wke

November 2024

PROJECT ID: 2040-15-73

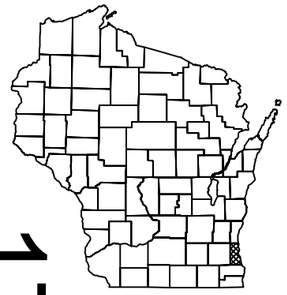
WITH: N/A

COUNTY: MILWAUKEE

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 = 718



17

N

DESIGN DESIGNATION

A.A.D.T.	2025	=	14,000
A.A.D.T.	2045	=	16,600
D.H.V.		=	-- -- --
D.D.		=	50/50
T.		=	7.56%
DESIGN SPEED		=	55 MPH
ESALS		=	3,500,000

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

C FRANKLIN, RYAN RD/ST MARTINS RD

60TH STREET TO ST. MARTINS ROAD

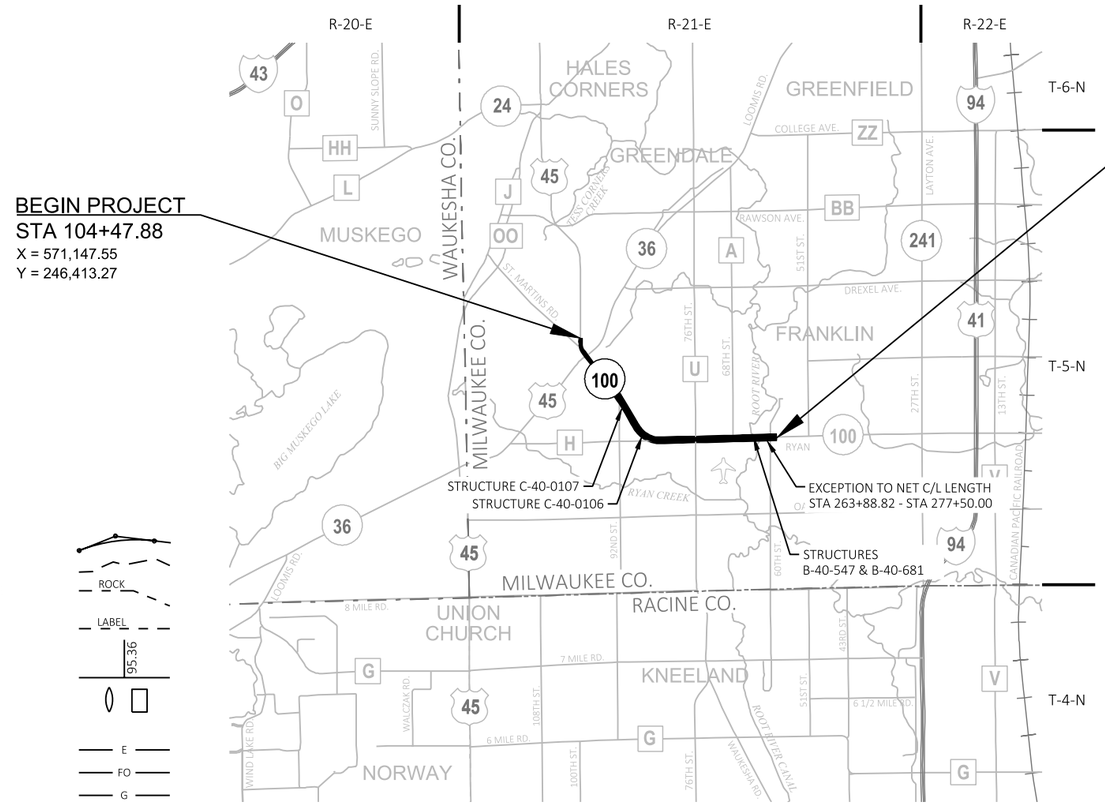
STH 100

MILWAUKEE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
2040-15-73	wisc 2025031	1

STATE PROJECT NUMBER

2040-15-73



LAYOUT

SCALE 0 2 MI

TOTAL NET LENGTH OF CENTERLINE = 3.019

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

ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

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
BHUPENDRA B. BISTA
E - 34675
NEW BERLIN
WI
PROFESSIONAL ENGINEER

Bhupendra Bista 08/01/2024

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	STRAND ASSOCIATES, INC.
Designer	STRAND ASSOCIATES, INC.
Project Manager	ROBERT BELLIN, P.E.
Regional Examiner	WISDOT SE REGION
Regional Supervisor	BENEDICT ERUCHALU, P.E.

APPROVED FOR THE DEPARTMENT

DATE: 8/1/2024 Robert A. Bellin (Signature)

E

GENERAL NOTES

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

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

EROSION CONTROL BMP'S ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S ECIP AND BY THE ENGINEER. EROSION CONTROL BMP'S SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE BMP IS NO LONGER REQUIRED.

THE LOCATION OF PROPOSED SIGNS AS SHOWN ON THE PLANS ARE APPROXIMATE. THE EXACT NUMBER OF SIGNS AND SIGN LOCATIONS ARE TO BE APPROVED BY THE ENGINEER IN THE FIELD.

MISCELLANEOUS REMOVAL ITEMS SHALL BE REMOVED TO AN EXISTING JOINT. SAWCUT WHERE SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

A SAWED JOINT SHALL BE REQUIRED WHEN NEW PAVEMENT IS TO MEET AN EXISTING PAVED SURFACE.

RADIUS DIMENSIONS FOR THE CURB & GUTTER ARE TO THE FLANGE LINE UNLESS OTHERWISE NOTED.

ELEVATIONS SHOWN ON THE PLANS ARE ALONG THE EDGE OF LANE AND EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

STORM SEWER PIPE ELEVATIONS, LENGTH, AND LOCATIONS AS SHOWN ON THE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

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

WISDOT PREPARED THE FOLLOWING PLANS FOR THE PROJECT:

- SIGNING PLANS

SECTION 2 ORDER OF SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
CURB RAMP DETAILS
PAVING GRADES
EROSION CONTROL
STORM SEWER
SIGNING
TRAFFIC SIGNALS
PAVEMENT MARKING
TRAFFIC CONTROL
DETOUR
ALIGNMENT
SURVEY CONTROL

HMA PAVEMENT SUMMARY TABLE

LOCATION	LOWER LAYER	UPPER LAYER
	HMA TYPE	HMA TYPE
STH 100 (STA. 104+48 - STA. 125+51)	2 1/4-INCH	1 3/4-INCH
	3 MT 58-28 S	4 MT 58-28 S
STH 100 (ASPHALTIC SHOULDERS) (STA. 125+51 - STA. 263+90)	--- --- ---	3 1/2-INCH
	--- --- ---	4 LT 58-28 S
STH 36 (STA. 16+01 A - STA. 27+00 A)	2 1/4-INCH	1 3/4-INCH
	3 MT 58-28 S	4 MT 58-28 S

UTILITY CONTACTS

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

* CITY OF FRANKLIN - SANITARY SEWER
MIKE ROBERTS
5550 W AIRWAYS AVENUE
FRANKLIN, WI 53132
OFFICE: (414) 421-2613
MOBILE: (414) 254-8442
MROBERTS@FRANKLINWI.GOV

* FRANKLIN MUNICIPAL WATER UTILITY - WATER
MIKE ROBERTS
5550 W AIRWAYS AVENUE
FRANKLIN, WI 53132
OFFICE: (414) 421-2613
MOBILE: (414) 254-8442
MROBERTS@FRANKLINWI.GOV

* MIDWEST FIBER NETWORKS - COMMUNICATION LINE
CORY SCHMUKI
6070 N FLINT ROAD
GLENDALE, WI 53209
OFFICE: (414) 459-3561
MOBILE: (414) 349-2764
CSCHMUKI@MIDWESTFIBERNETWORKS.COM

* MILWAUKEE METROPOLITAN SEWERAGE DISTRICT- SEWER
MICHAEL LEE
260 W SEEBOTH STREET
MILWAUKEE, WI 53204
OFFICE: (414) 225-2241
MOBILE: (414) 617-1429
MLEE@MMSD.COM

* SPECTRUM - COMMUNICATION LINE
BEAU ABUYA
1320 N MARTIN LUTHER KING JR. DRIVE
MILWAUKEE WI, 53212
(414) 758-9241
BEAU.ABUYA@CHARTER.COM

* WAUKESHA WATER UTILITY - WATER
CHRIS WALTER
115 DELAFIELD STREET
WAUKESHA, WI 53107
OFFICE: (262) 409-4426
MOBILE: (262) 901-5886
CWALTER@WAUKESHA-WATER.COM

* WE ENERGIES - ELECTRICITY
JACOB SCHOENUNG
7815 NORTHWESTERN AVENUE
RACINE, WI 53406
OFFICE: (262) 884-6738
MOBILE: (414) 416-3365
JACOB.SCHOENUNG@WE-ENERGIES.COM
WE ENERGIES ELECTRIC DISPATCH AT 1-800-662-4797

* WE ENERGIES - GAS/PETROLEUM
WESLEY NUNN
7815 NORTHWESTERN AVENUE
RACINE, WI 53406
(414) 659-4933
WESLEY.NUNN@WE-ENERGIES.COM
WE ENERGIES GAS DISPATCH AT 1-800-261-5325

OTHER CONTACTS

* CITY OF FRANKLIN - COMMUNICATION LINE
JAMES MATELSKI
7979 W RYAN ROAD
FRANKLIN, WI 53132
(414) 425-7500
JMATELSKI@FRANKLINWI.GOV

* CITY OF FRANKLIN - STORM SEWER
KEVIN SCHLUETER
7979 W RYAN ROAD
FRANKLIN, WI 53132
OFFICE: (414) 425-2592
MOBILE: (414) 425-8881
KSCHLUETER@FRANKLINWI.GOV

* CITY OF FRANKLIN - STREET LIGHTING
KEVIN SCHLUETER
7979 W RYAN ROAD
FRANKLIN, WI 53132
OFFICE: (414) 425-2592
MOBILE: (414) 425-8881
KSCHLUETER@FRANKLINWI.GOV

* WISDOT - STREET LIGHTING
ERIC PEREA
141 NW BARSTOW STREET
WAUKESHA, WI 53188
(262) 574-5422
ERIC.PEREA@DOT.WI.GOV

* WISDOT - WISCONSIN SIGNAL
JARRETT GATES
141 NW BARSTOW STREET
WAUKESHA, WI 53188
(262) 548-5894
JARRETT.GATES@DOT.WI.GOV

* WAUKESHA WATER UTILITY - COMMUNICATION LINE
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115 DELAFIELD STREET
WAUKESHA, WI 53107
OFFICE: (262) 409-4426
MOBILE: (262) 901-5886
CWALTER@WAUKESHA-WATER.COM

DESIGNER NOTES

DESIGN, PLANS, SPECIFICATIONS, AND ESTIMATE FOR PERMANENT SIGNING PROVIDED BY WISDOT.

DESIGN, PLANS, SPECIFICATIONS, AND ESTIMATE FOR WATER MAIN AND SANITARY SEWER PROVIDED BY CITY OF FRANKLIN.

DESIGN, PLANS, SPECIFICATIONS, AND ESTIMATE FOR REMAINING ITEMS PROVIDED BY STRAND ASSOCIATES, INC.

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

* DENOTES DIGGERS HOTLINE MEMBERS

SEWRPC CONTACT

ROB MERRY
SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION
W239 N1812 ROCKWOOD DRIVE
P.O. BOX 1607
WAUKESHA, WI 53187-1607
(262) 953-4289
RMERRY@SEWRPC.ORG

SEWRPC CONTACT

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

DNR LIAISON

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

WISDOT REGION CONTACT

BOB BELLIN, P.E.
WISDOT SOUTHEAST REGION
WAUKESHA OFFICE
141 NW BARSTOW STREET
PO BOX 798
WAUKESHA, WI 53187
(262) 521-4405
ROBERT.BELLIN@DOT.WI.GOV

DESIGN CONSULTANT

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126 N. JEFFERSON STREET, SUITE 350
MILWAUKEE, WI 53202
(414) 271-0771
BHUPENDRA.BISTA@STRAND.COM

2

2

N

ST. MARTINS ROAD (CTH MM)

36

FOREST HILL AVENUE

BEGIN PROJECT
STA 104+47.88
X = 571,147.55
Y = 246,413.27

BEGIN RESURFACING
STA. 104+47.88

100
110
40 A
30 A
20
120
510

END RESURFACING
BEGIN PAVEMENT REPLACEMENT
STA. 125+51.00

50 B
220
130
PUETZ ROAD

60 B
530
140
ELM COURT

36

PRAIRIE GRASS WAY

540
150
100

EXISTING C-40-0107
(SEE STORM SEWER PLANS FOR ADDITIONAL INFORMATION)

550
160
40 D
30 D
92ND STREET
560
170
570
180
580
190
20 D
30 E
40 E
RYAN ROAD (CTH H)

EXISTING C-40-0106
(SEE STORM SEWER PLANS FOR ADDITIONAL INFORMATION)

END PAVEMENT REPLACEMENT
BEGIN RECONSTRUCTION
STA. 201+25.00

590
600
610
620
630
640
650
200
210
220
230
240
250
260
270
280
50 G
50 K
80TH STREET
76TH STREET (CTH U)
68TH STREET
51ST STREET
60TH STREET

B-40-681
(SEE STRUCTURE PLANS FOR ADDITIONAL INFORMATION)

END PAVEMENT REPLACEMENT
STA. 263+88.82

ROOT RIVER

B-40-547
(SEE STRUCTURE PLANS FOR ADDITIONAL INFORMATION)

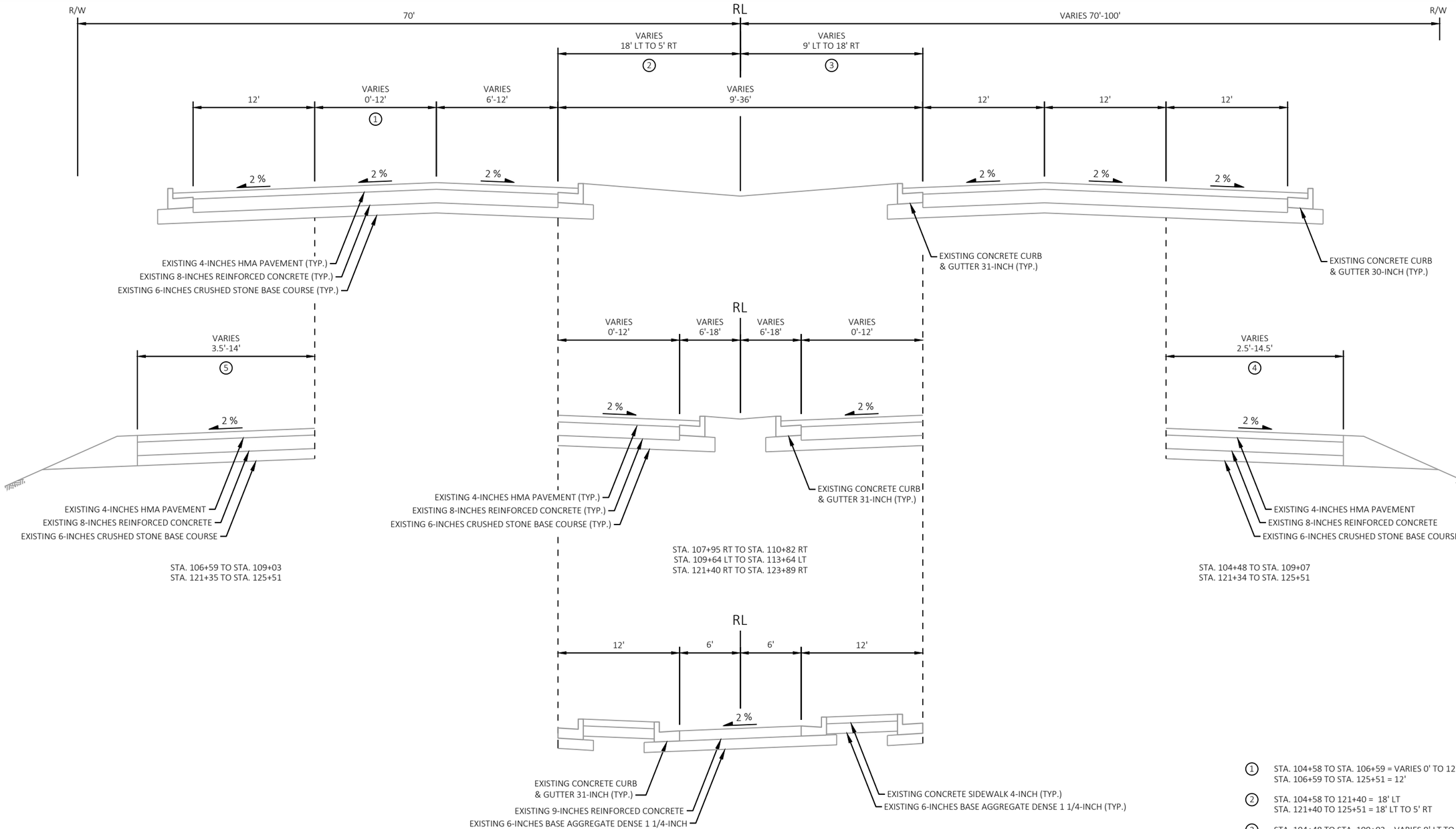
END RECONSTRUCTION
BEGIN PAVEMENT REPLACEMENT
STA. 239+25.00

END PROJECT
END CONSTRUCTION
STA 277+50.00

100

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PROJECT OVERVIEW	SHEET 3	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\020201-PO.DWG
LAYOUT NAME - 020201-po
PLOT DATE : 7/1/2024 8:27 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1:1250



EXISTING TYPICAL SECTION

STA. 104+48 TO STA. 125+51

① STA. 104+58 TO STA. 106+59 = VARIES 0' TO 12'
STA. 106+59 TO STA. 125+51 = 12'

② STA. 104+58 TO 121+40 = 18' LT
STA. 121+40 TO 125+51 = 18' LT TO 5' RT

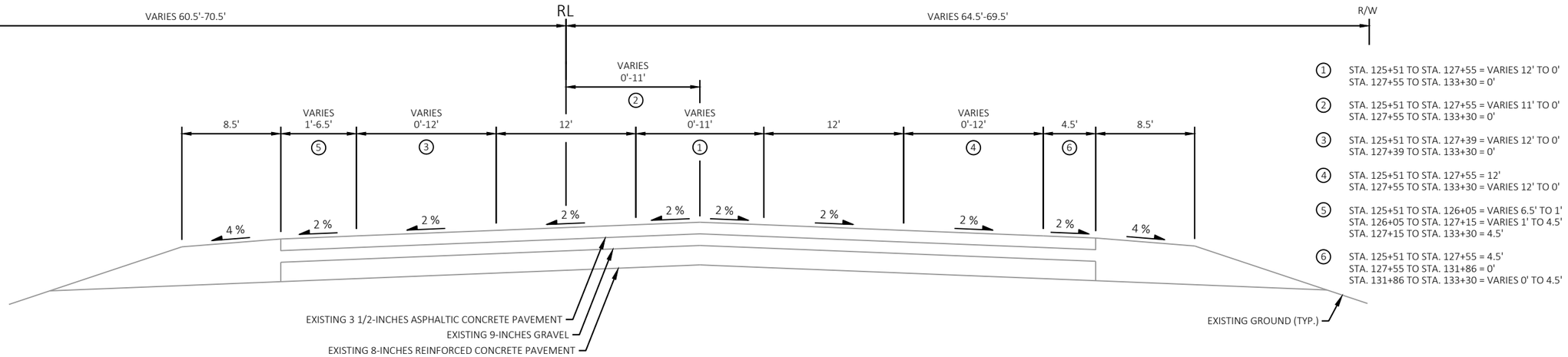
③ STA. 104+48 TO STA. 109+03 = VARIES 9' LT TO 18' RT
STA. 109+03 TO STA. 125+51 = 18' RT

④ STA. 104+58 TO STA. 109+07 = VARIES 2.5' TO 14.5'
STA. 121+34 TO STA. 122+87 = VARIES 12' TO 5.5'
STA. 122+87 TO STA. 125+51 = 5.5'

⑤ STA. 106+59 TO STA. 109+03 = VARIES 3.5' TO 12'
STA. 121+35 TO STA. 124+13 = 14'
STA. 124+13 TO STA. 125+51 = VARIES 14' TO 4.5'

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 4	E

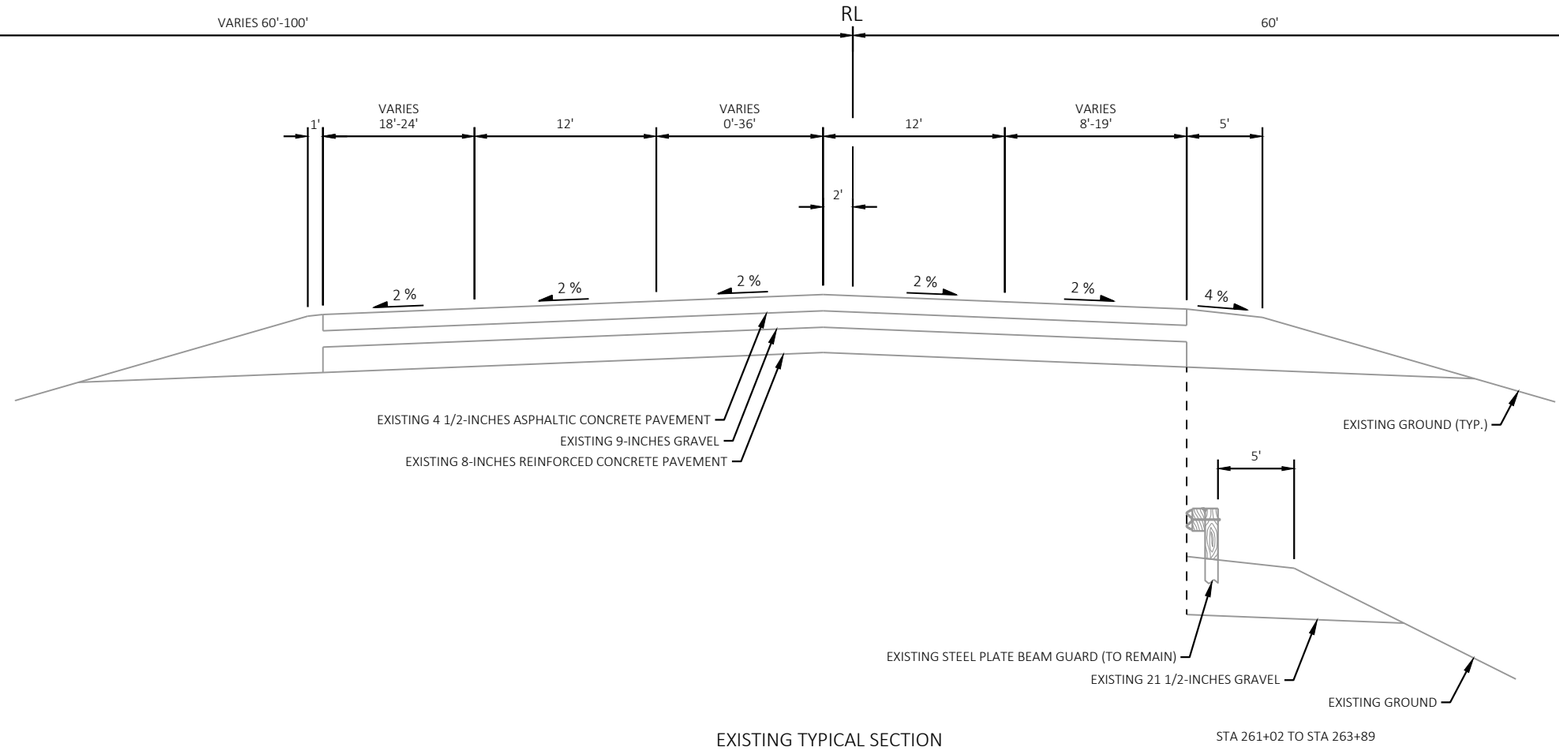
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LAYOUT NAME - 020301-ts
PLOT DATE : 6/26/2024 9:59 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



1. STA. 125+51 TO STA. 127+55 = VARIES 12' TO 0'
   STA. 127+55 TO STA. 133+30 = 0'
2. STA. 125+51 TO STA. 127+55 = VARIES 11' TO 0'
   STA. 127+55 TO STA. 133+30 = 0'
3. STA. 125+51 TO STA. 127+39 = VARIES 12' TO 0'
   STA. 127+39 TO STA. 133+30 = 0'
4. STA. 125+51 TO STA. 127+55 = 12'
   STA. 127+55 TO STA. 133+30 = VARIES 12' TO 0'
5. STA. 125+51 TO STA. 126+05 = VARIES 6.5' TO 1'
   STA. 126+05 TO STA. 127+15 = VARIES 1' TO 4.5'
   STA. 127+15 TO STA. 133+30 = 4.5'
6. STA. 125+51 TO STA. 127+55 = 4.5'
   STA. 127+55 TO STA. 131+86 = 0'
   STA. 131+86 TO STA. 133+30 = VARIES 0' TO 4.5'

EXISTING TYPICAL SECTION

STA. 125+51 TO STA. 133+30



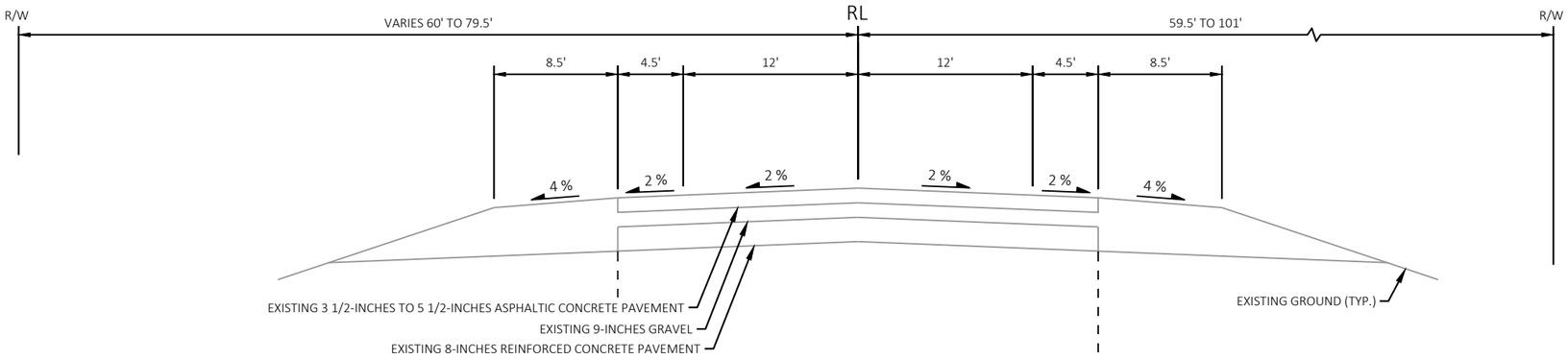
EXISTING TYPICAL SECTION

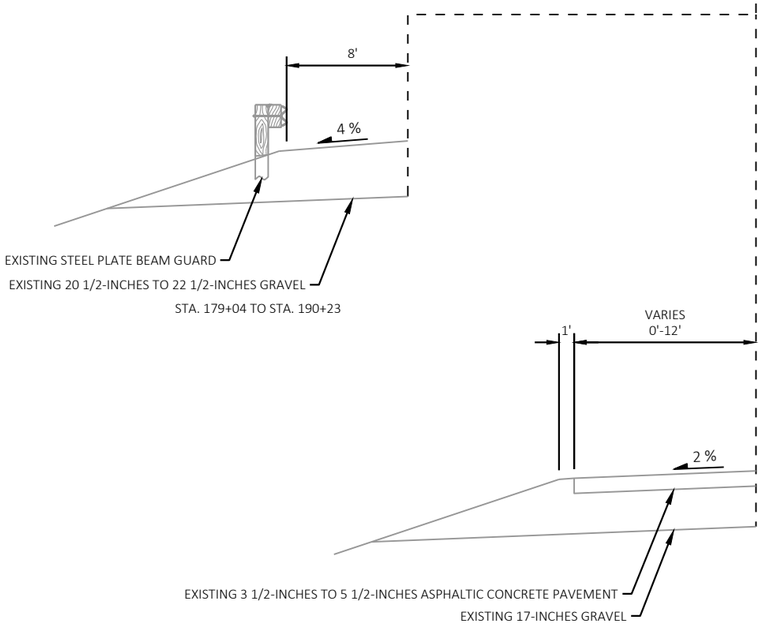
STA. 254+75 TO STA. 263+89

STA 261+02 TO STA 263+89

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 5	E

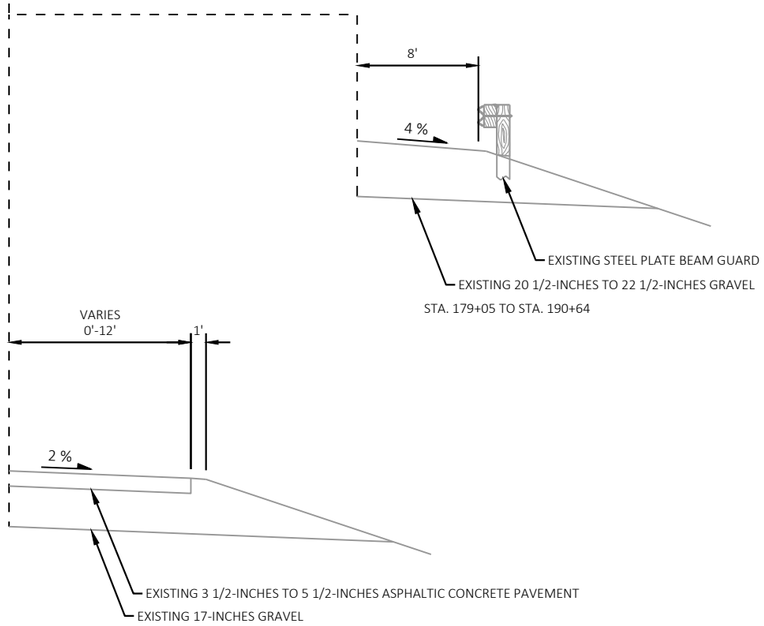
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LAYOUT NAME - 020302-ts
PLOT DATE : 6/26/2024 9:59 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42





STA. 179+04 TO STA. 190+23

STA. 139+55 TO STA. 149+88
STA. 161+97 TO STA. 173+00
STA. 190+34 TO STA. 197+72
STA. 206+73 TO STA. 227+42
STA. 248+49 TO STA. 254+23



STA. 179+05 TO STA. 190+64

STA. 139+11 TO STA. 149+93
STA. 163+94 TO STA. 171+24
STA. 191+42 TO STA. 196+23
STA. 204+89 TO STA. 226+61
STA. 246+26 TO STA. 254+30

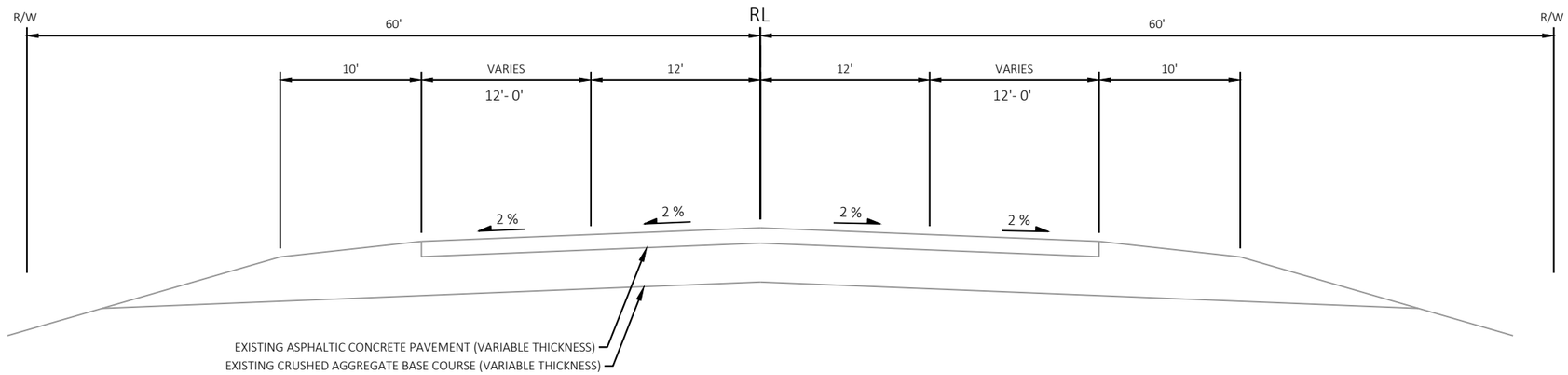
EXISTING TYPICAL SECTION

STA. 133+30 TO STA. 254+75

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 6	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020303-ts
PLOT DATE : 6/26/2024 9:59 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2



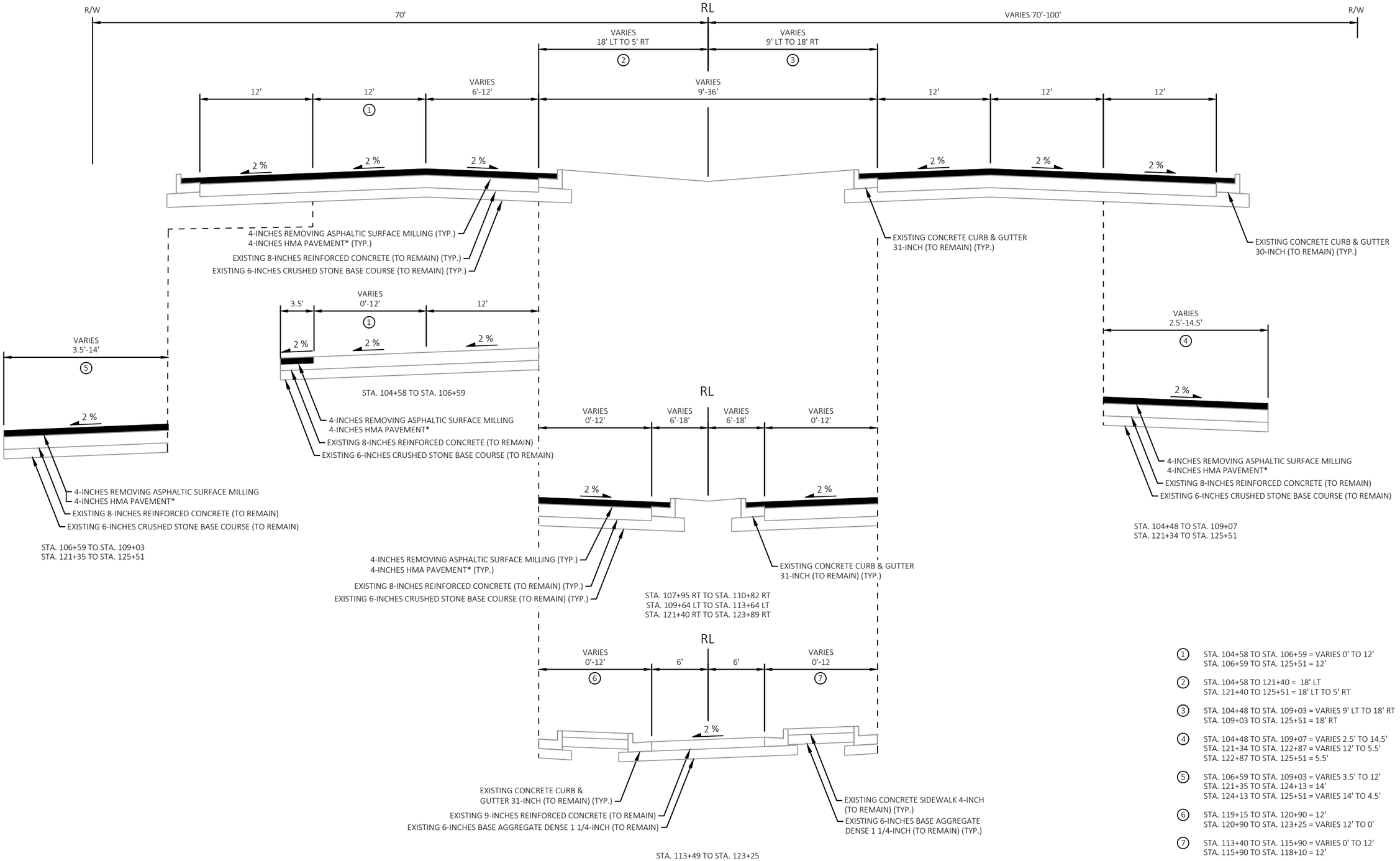
EXISTING TYPICAL SECTION

STA. 40+18 H TO STA. 58+25 H

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 7	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020304-ts

PLOT DATE : 6/26/2024 9:59 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROPOSED TYPICAL SECTION

STA. 104+48 TO STA. 125+51

① STA. 104+58 TO STA. 106+59 = VARIES 0' TO 12'
STA. 106+59 TO STA. 125+51 = 12'

② STA. 104+58 TO 121+40 = 18' LT
STA. 121+40 TO 125+51 = 18' LT TO 5' RT

③ STA. 104+48 TO STA. 109+03 = VARIES 9' LT TO 18' RT
STA. 109+03 TO STA. 125+51 = 18' RT

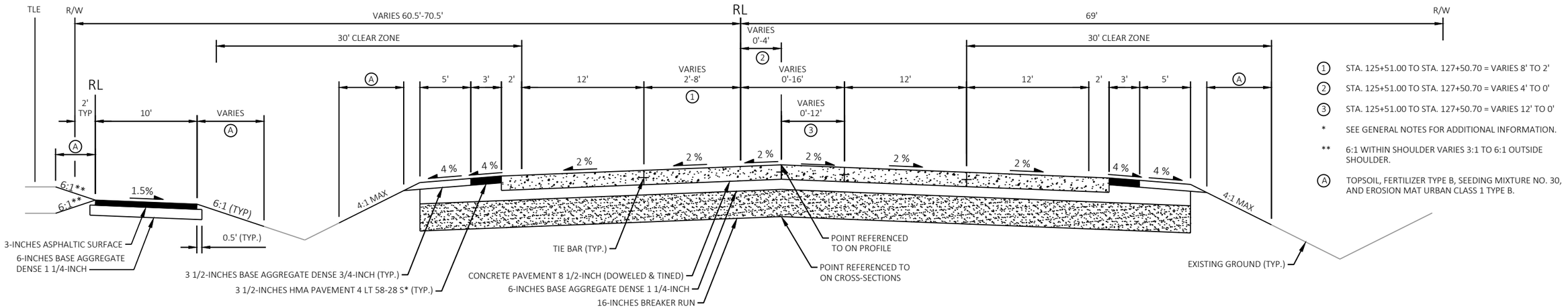
④ STA. 104+48 TO STA. 109+07 = VARIES 2.5' TO 14.5'
STA. 121+34 TO STA. 122+87 = VARIES 12' TO 5.5'
STA. 122+87 TO STA. 125+51 = 5.5'

⑤ STA. 106+59 TO STA. 109+03 = VARIES 3.5' TO 12'
STA. 121+35 TO STA. 124+13 = 14'
STA. 124+13 TO STA. 125+51 = VARIES 14' TO 4.5'

⑥ STA. 119+15 TO STA. 120+90 = 12'
STA. 120+90 TO STA. 123+25 = VARIES 12' TO 0'

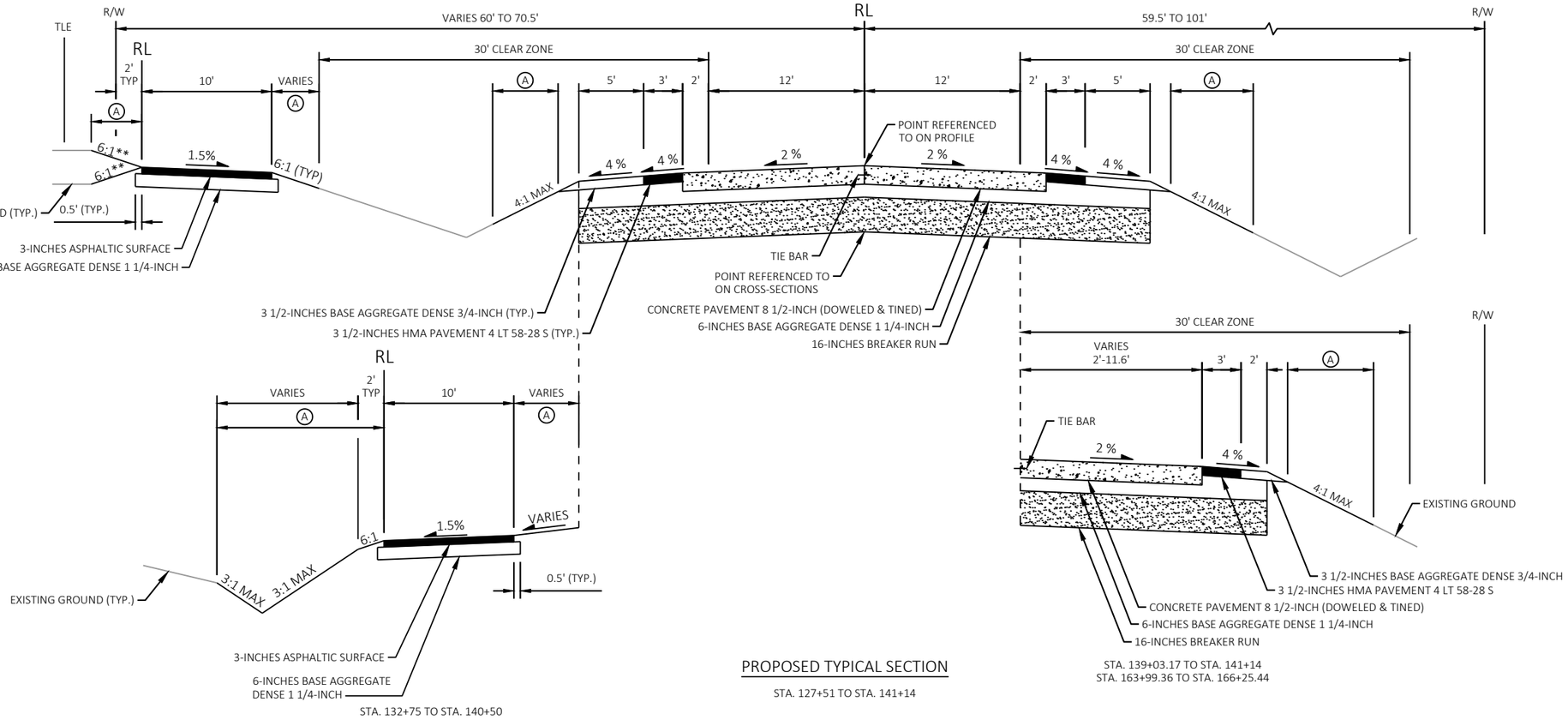
⑦ STA. 113+40 TO STA. 115+90 = VARIES 0' TO 12'
STA. 115+90 TO STA. 118+10 = 12'

* SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.



PROPOSED TYPICAL SECTION

STA. 125+51 TO STA. 127+51



PROPOSED TYPICAL SECTION

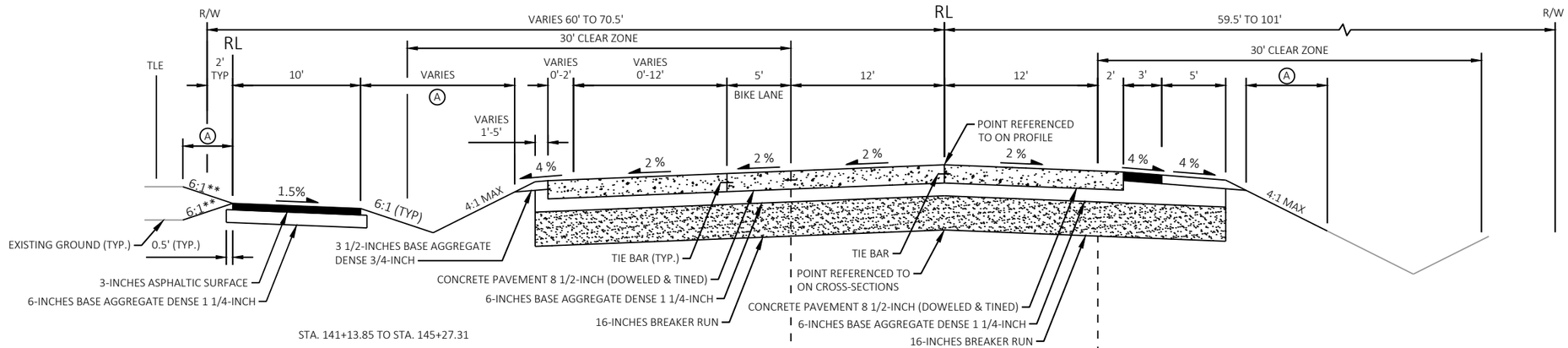
STA. 127+51 TO STA. 141+14

STA. 132+75 TO STA. 140+50

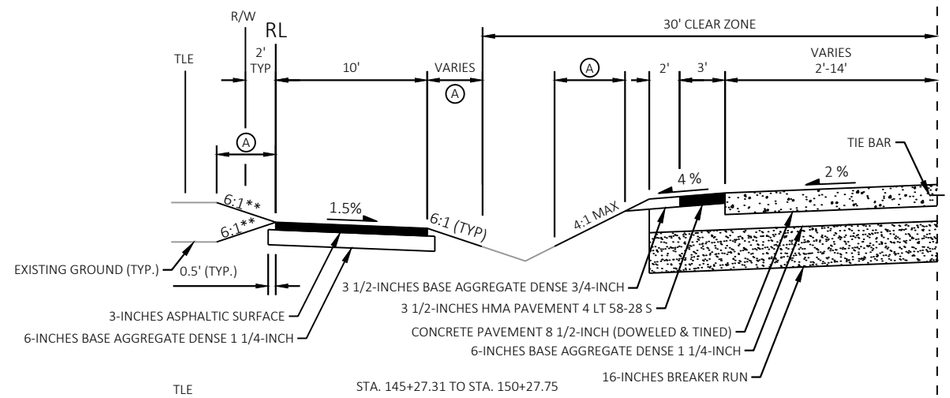
STA. 139+03.17 TO STA. 141+14
STA. 163+99.36 TO STA. 166+25.44

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 9	E

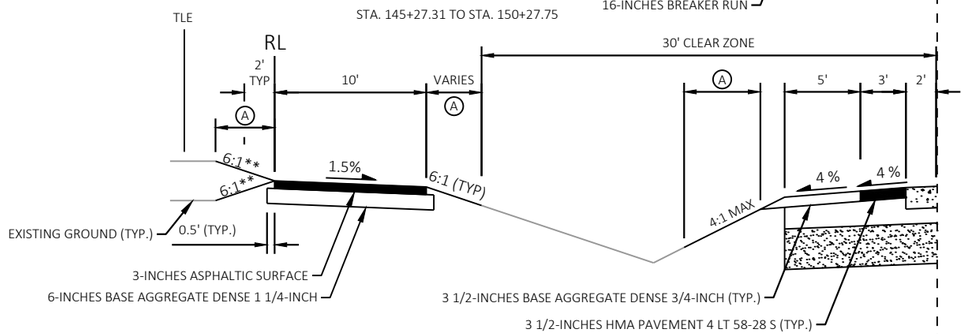
FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020306-ts
PLOT DATE : 6/26/2024 9:59 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



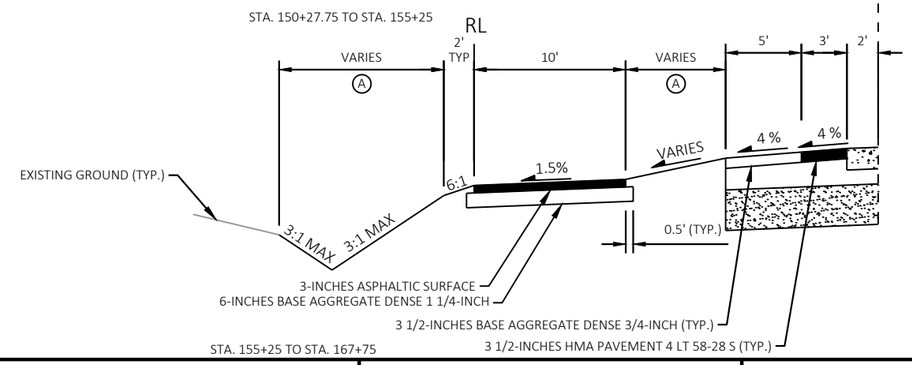
STA. 141+13.85 TO STA. 145+27.31



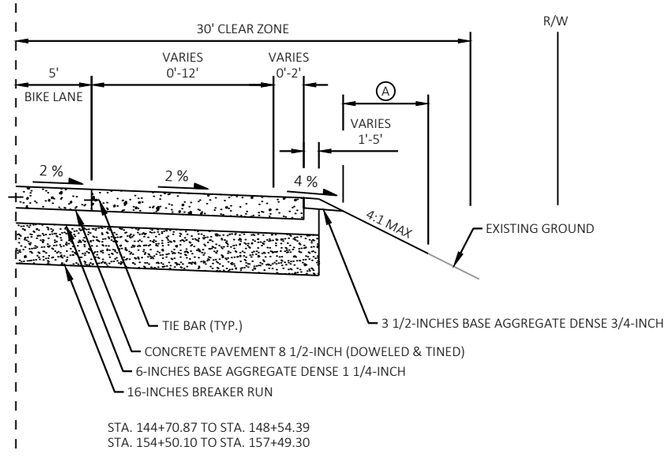
STA. 145+27.31 TO STA. 150+27.75



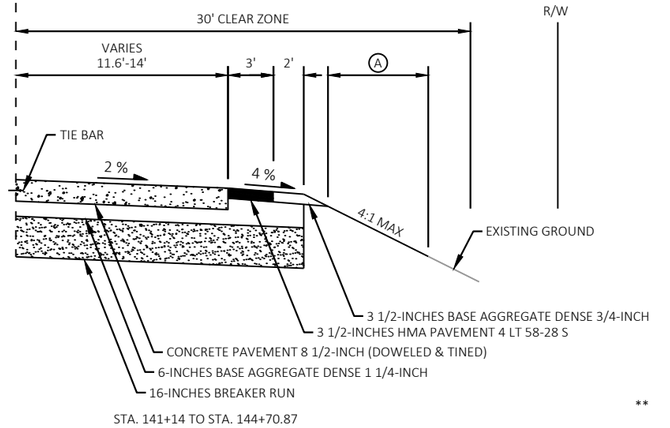
STA. 150+27.75 TO STA. 155+25



STA. 155+25 TO STA. 167+75



STA. 144+70.87 TO STA. 148+54.39
STA. 154+50.10 TO STA. 157+49.30



STA. 141+14 TO STA. 144+70.87

** 6:1 WITHIN SHOULDER VARIES 3:1 TO 6:1 OUTSIDE SHOULDER.

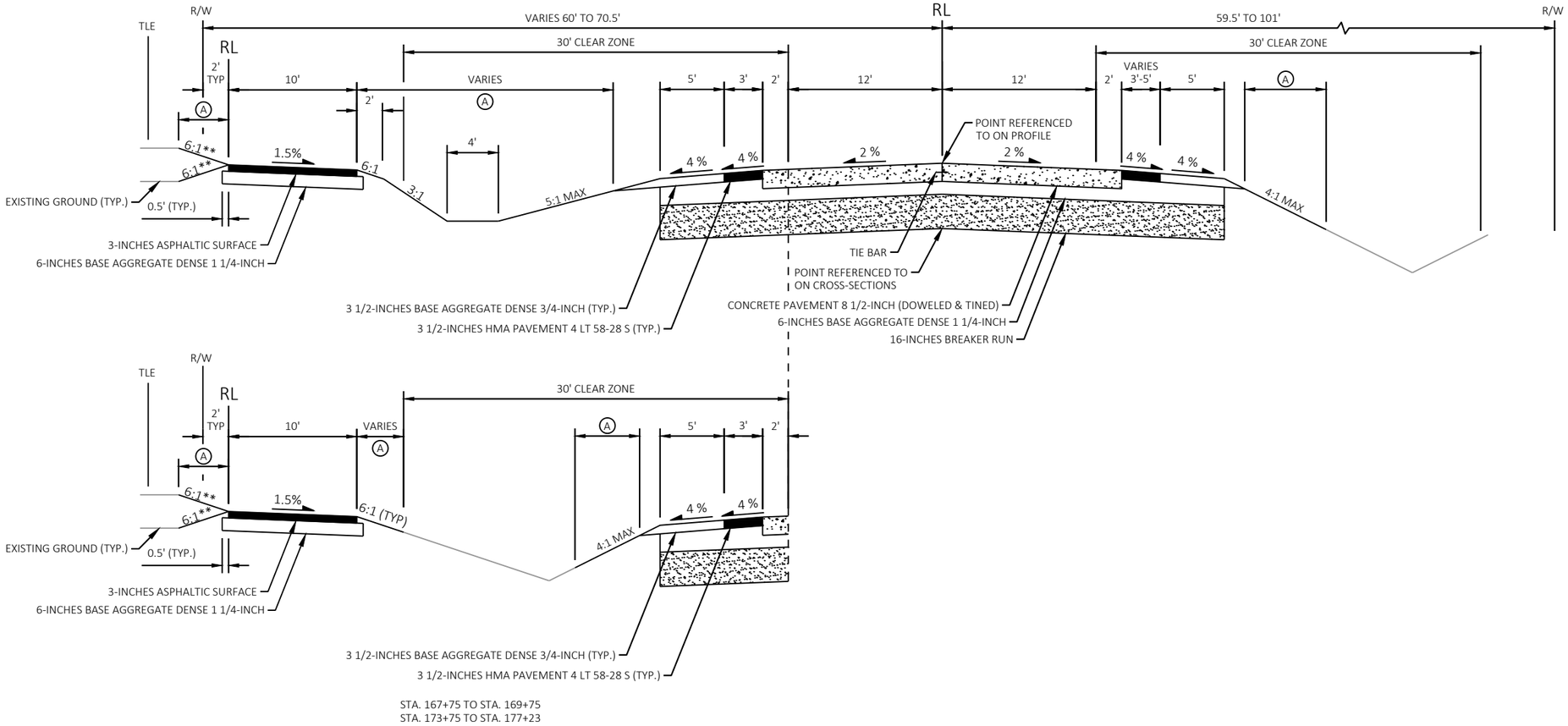
(A) TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 30, AND EROSION MAT URBAN CLASS 1 TYPE B.

PROPOSED TYPICAL SECTION

STA. 141+14 TO 167+75

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 10	E

2



STA. 167+75 TO STA. 169+75
STA. 173+75 TO STA. 177+23

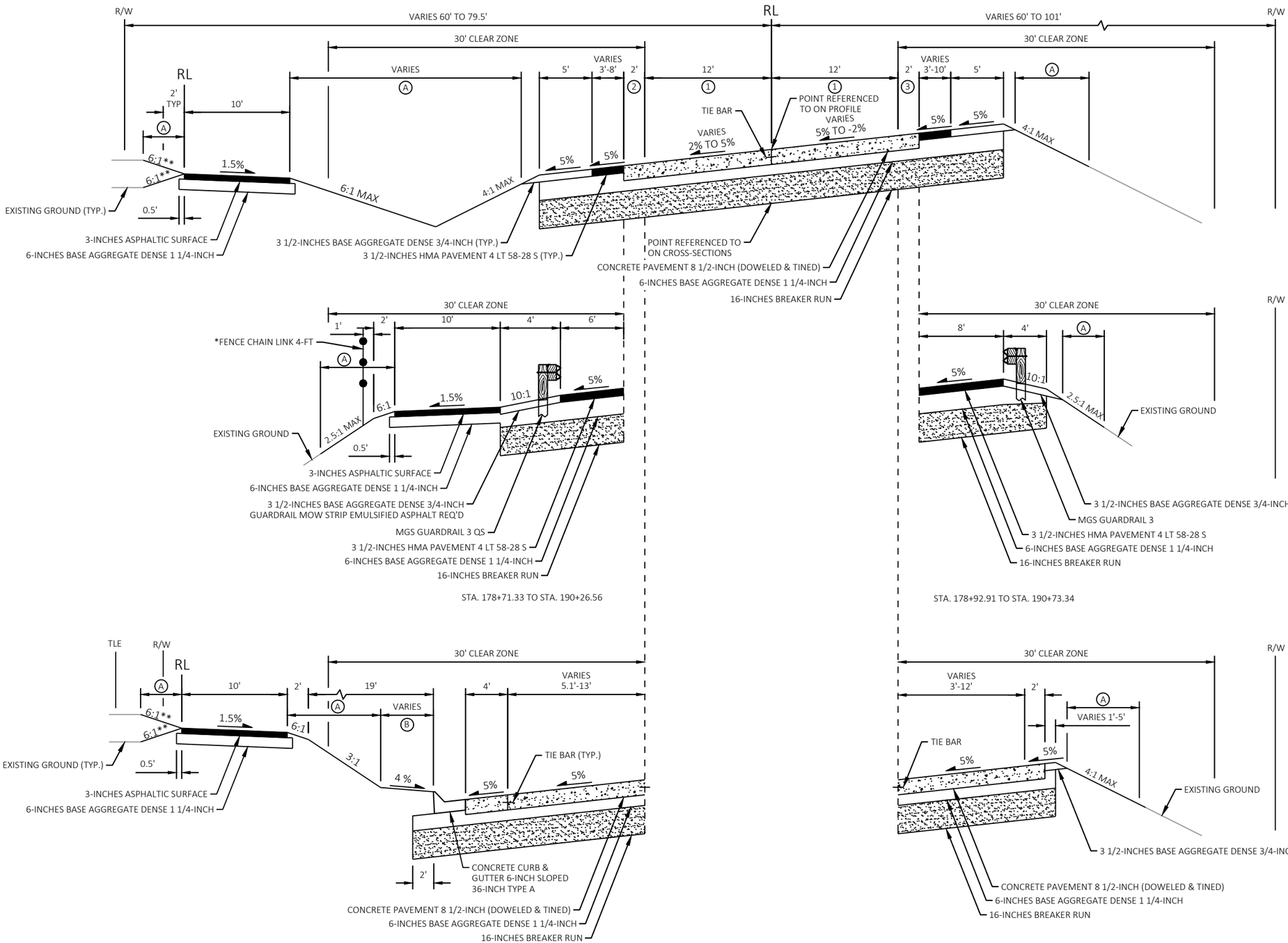
PROPOSED TYPICAL SECTION

STA. 167+75 TO STA. 177+23

** 6:1 WITHIN SHOULDER VARIES 3:1 TO 6:1 OUTSIDE SHOULDER.

(A) TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 30, AND EROSION MAT URBAN CLASS 1 TYPE B.

(B) TOPSOIL, SOD LAWN, AND FERTILIZER TYPE B.



STA. 178+71.33 TO STA. 190+26.56

STA. 178+92.91 TO STA. 190+73.34

STA. 191+75 TO STA. 196+68.12

STA. 191+20.88 TO STA. 195+60.23

PROPOSED TYPICAL SECTION

STA. 177+23 TO STA. 201+25 (PAVEMENT REPLACEMENT
STA. 201+25 TO STA. 201+65 (RECONSTRUCTION)

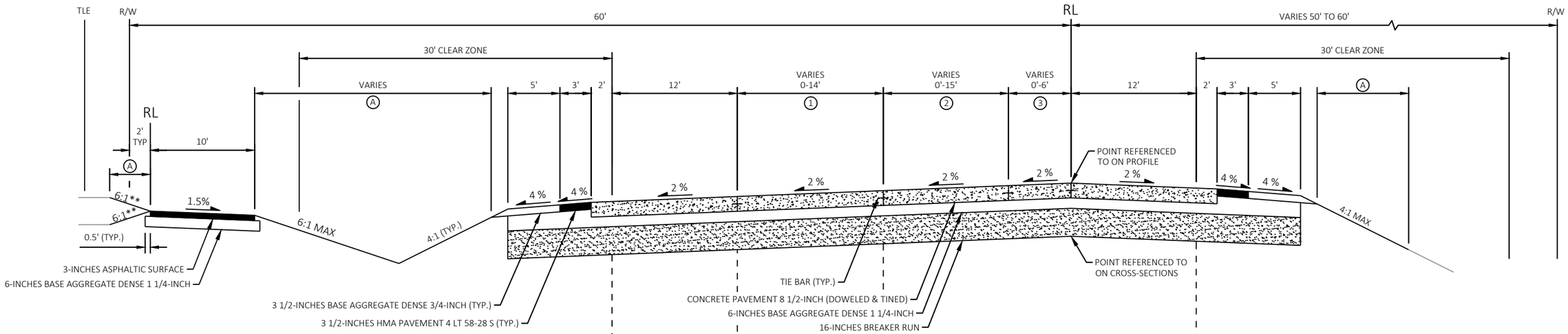
* SEE PLAN DETAILS FOR FENCE CHAIN LINK 4-FT LIMITS

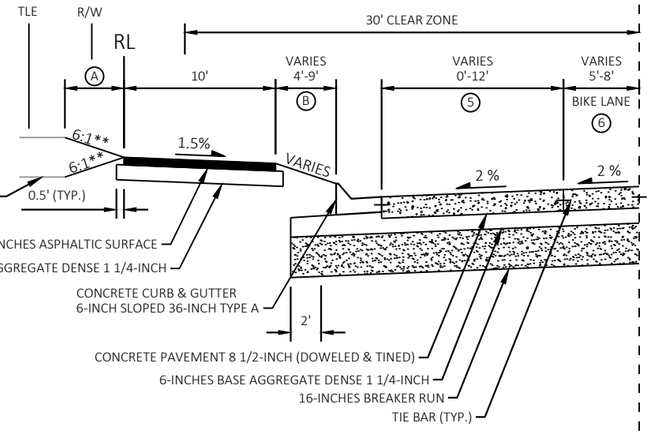
** 6:1 WITHIN SHOULDER VARIES 3:1 TO 6:1 OUTSIDE SHOULDER.

A TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 30, AND EROSION MAT URBAN CLASS 1 TYPE B.

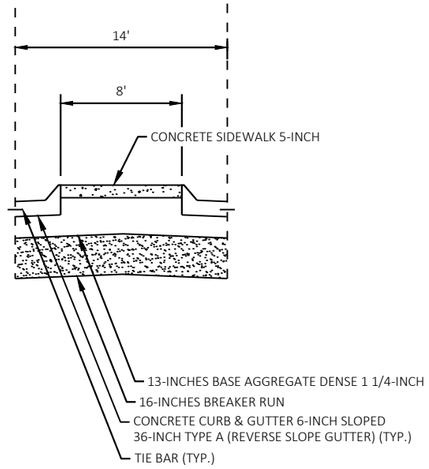
B TOPSOIL, SOD LAWN, AND FERTILIZER TYPE B.

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 12	E

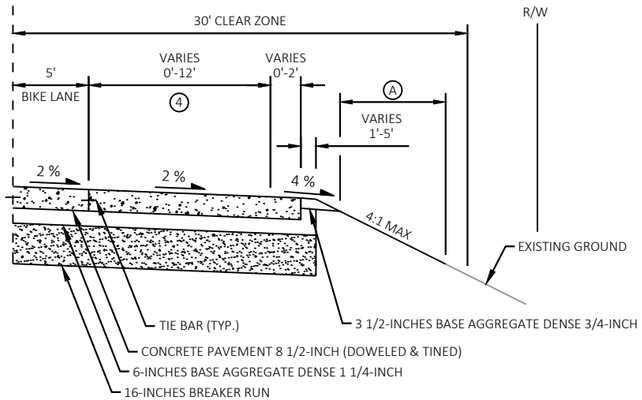




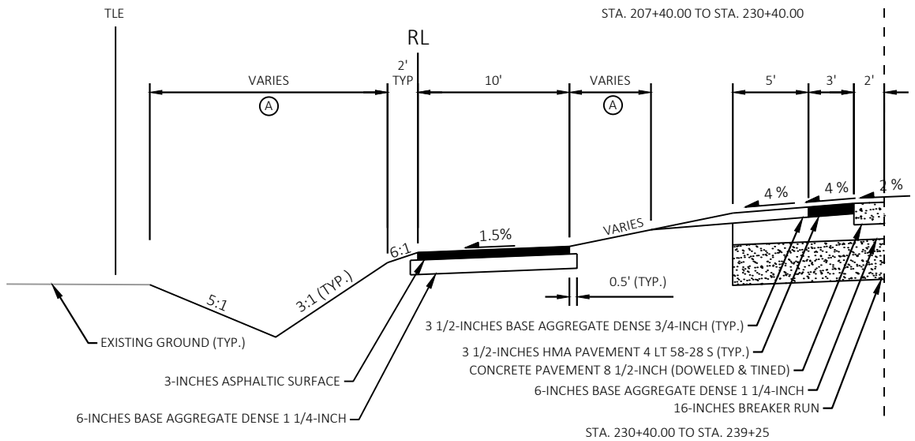
STA. 207+40.00 TO STA. 230+40.00



STA. 209+00.00 TO STA. 210+31.03



STA. 205+73.71 TO STA. 225+73.02



STA. 230+40.00 TO STA. 239+25

PROPOSED TYPICAL SECTION

STA. 201+65 TO STA. 239+25

** 6:1 WITHIN SHOULDER VARIES 3:1 TO 6:1 OUTSIDE SHOULDER.

(A) TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 30, AND EROSION MAT URBAN CLASS 1 TYPE B.

(B) TOPSOIL, SOD LAWN, AND FERTILIZER TYPE B.

(1) STA. 201+65.00 TO STA. 201+92.98 = 0'
STA. 201+92.98 TO STA. 208+98.84 = VARIES 0' TO 14'
STA. 208+98.84 TO STA. 217+73.58 = 14'
STA. 217+73.58 TO STA. 220+68.47 = VARIES 14' TO 0'

(2) STA. 218+43.47 TO STA. 219+93.89 = VARIES 0' TO 12'
STA. 219+93.89 TO STA. 228+06.04 = 12'
STA. 228+06.04 TO STA. 229+57.46 = VARIES 12' TO 15'
STA. 229+57.46 TO STA. 231+08.58 = 15'
STA. 231+08.58 TO STA. 238+65.09 = VARIES 15' TO 0'

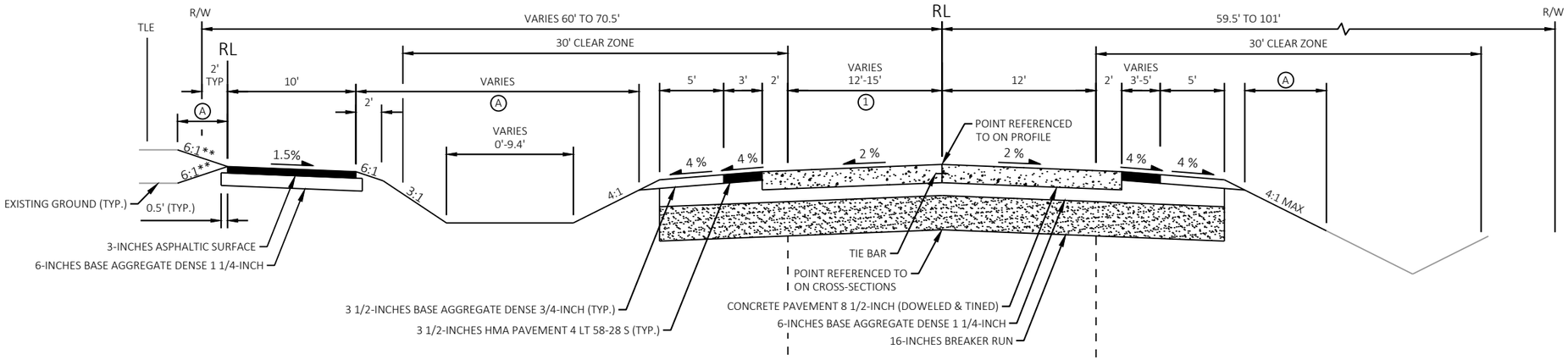
(3) STA. 219+93.89 TO STA. 220+68.89 = VARIES 0' TO 6'
STA. 220+68.89 TO STA. 228+06.04 = 6'
STA. 228+06.04 TO STA. 231+08.58 = VARIES 6' TO 0'

(4) STA. 206+11.21 TO STA. 207+86.19 = VARIES 0' TO 12'
STA. 207+86.19 TO STA. 209+82.86 = 12'
STA. 211+42.61 TO STA. 217+66.17 = 11'
STA. 217+66.17 TO STA. 218+03.67 = VARIES 11' TO 12'
STA. 218+03.67 TO STA. 223+15.51 = 12'

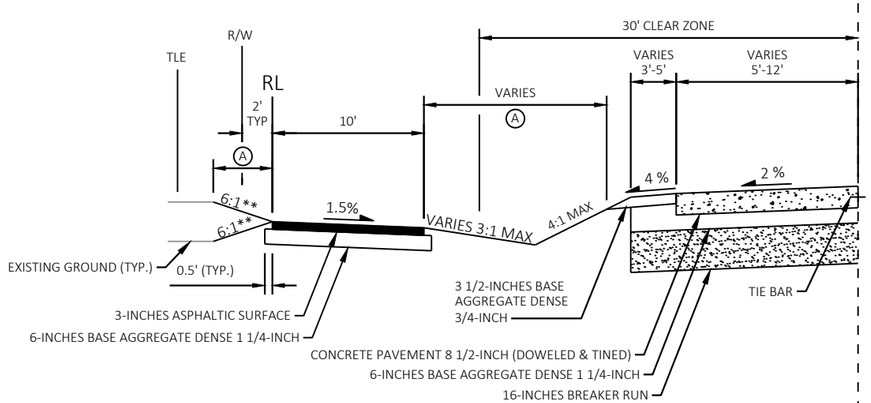
(5) STA. 207+40.00 TO STA. 224+82.15 = 0'
STA. 224+82.15 TO STA. 228+06.85 = 12'
STA. 228+06.85 TO STA. 229+56.72 = VARIES 12' TO 0'

(6) STA. 207+40.06 TO STA. 223+01.60 = 8'
STA. 223+01.60 TO STA. 230+40.00 = 5'

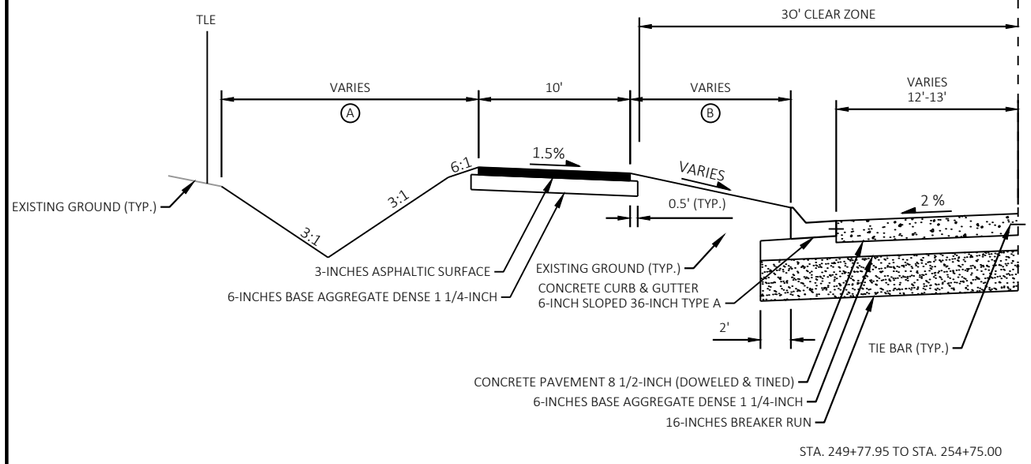
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 13	E



STA. 248+77.95 TO STA. 249+77.95



STA. 246+81.06 TO STA. 253+95.67



STA. 249+77.95 TO STA. 254+75.00

PROPOSED TYPICAL SECTION

STA. 239+25 TO STA. 254+75

(1) STA. 239+25.00 TO STA. 254+15.00 = 12'
STA. 254+15.00 TO STA. 254+75.00 = VARIES 12' TO 15'

(2) STA. 246+81.06 TO STA. 248+67.06 = VARIES 2' TO 14'
STA. 248+67.06 TO STA. 251+17.10 = 14'
STA. 251+17.10 TO STA. 253+95.67 = VARIES 14' TO 2'

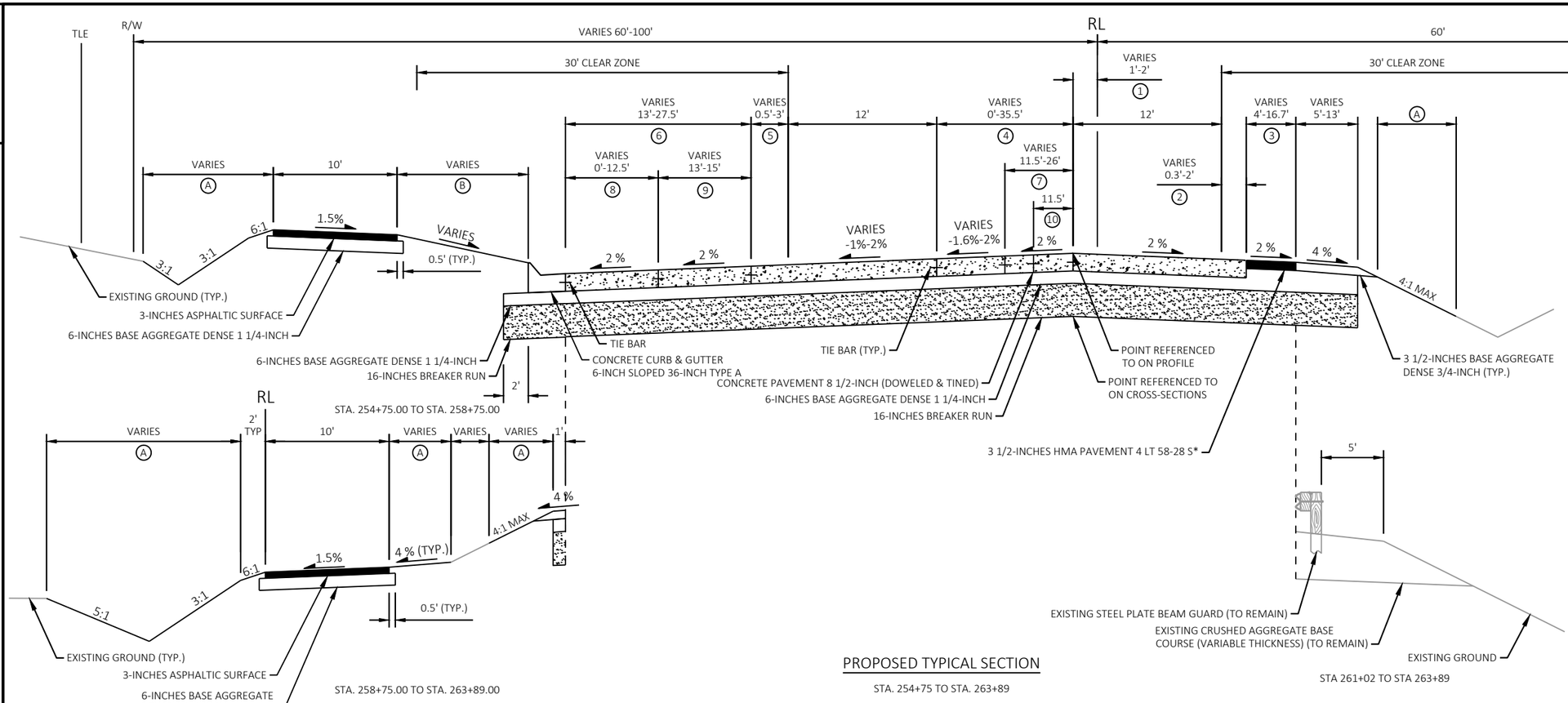
** 6:1 WITHIN SHOULDER VARIES 3:1 TO 6:1 OUTSIDE SHOULDER.

(A) TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 30, AND EROSION MAT URBAN CLASS 1 TYPE B.

(B) TOPSOIL, SOD LAWN, AND FERTILIZER TYPE B.

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 14	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020311-ts
PLOT DATE : 6/26/2024 9:59 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



PROPOSED TYPICAL SECTION

STA. 254+75 TO STA. 263+89

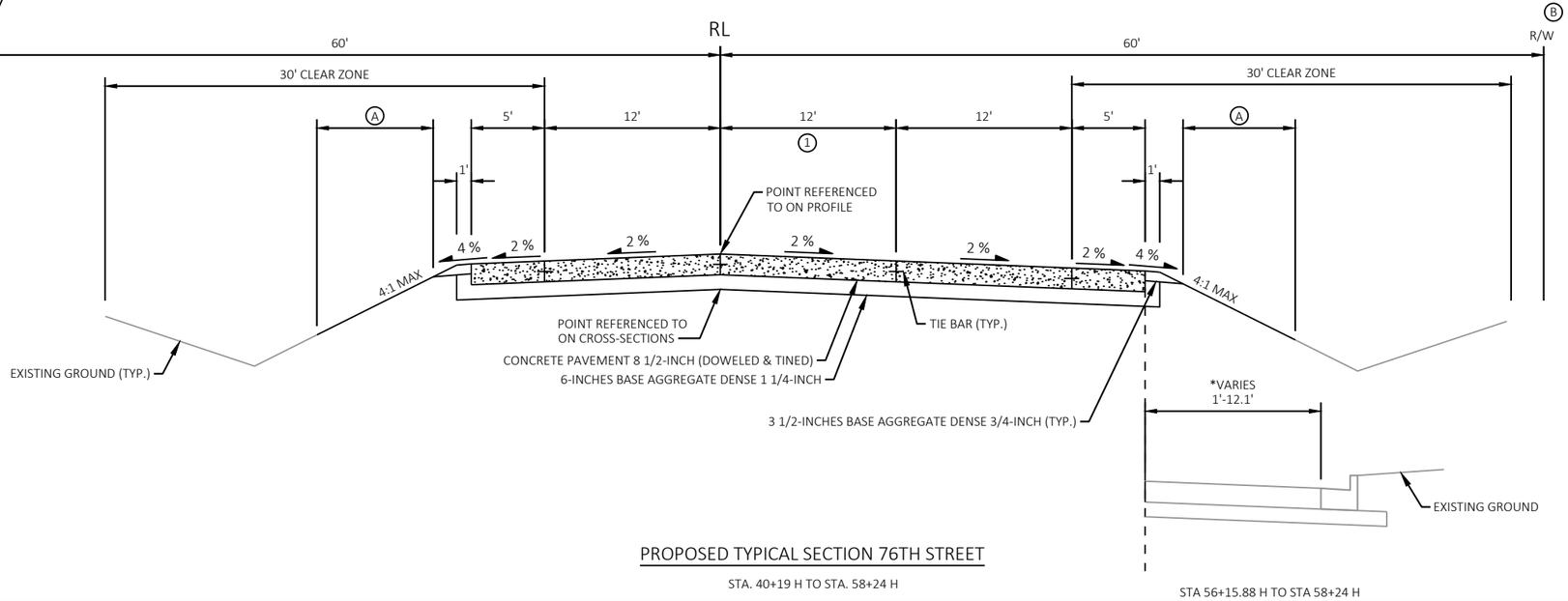
1. STA. 254+75.00 TO STA. 255+72.39 = VARIES 0' TO 1'
   STA. 255+72.39 TO STA. 258+57.53 = 1'
   STA. 258+57.53 TO STA. 263+88.71 = VARIES 1' TO 2'
2. STA. 254+75.00 TO STA. 262+88.78 = 2'
   STA. 262+88.78 TO STA. 263+88.77 = VARIES 2' TO 0.3'
3. STA. 254+75.00 TO STA. 255+72.39 = VARIES 4' TO 5'
   STA. 255+72.39 TO STA. 260+36.52 = 5'
   STA. 260+36.52 TO STA. 260+87.86 = VARIES 5' TO 16.7'
   STA. 260+87.86 TO STA. 261+53.78 = VARIES 16.7' TO 14.0'
   STA. 261+53.78 TO STA. 263+88.87 = VARIES 14.0' TO 15.5'
4. STA. 254+75.00 TO STA. 262+82.79 = VARIES 0' TO 35.5'
   STA. 262+82.79 TO STA. 263+90.36 = 35.5'
5. STA. 254+75.00 TO STA. 262+08.82 = 3'
   STA. 262+08.82 TO STA. 262+82.56 = VARIES 3' TO 0.5'
   STA. 262+82.56 TO STA. 263+90.36 = 0.5'
6. STA. 254+75.00 TO STA. 258+75.00 = 13'
   STA. 258+75.00 TO STA. 262+56.59 = 15'
   STA. 262+56.59 TO STA. 263+31.63 = VARIES 15' TO 27.5'
   STA. 263+31.62 TO STA. 263+90.36 = 27.5'
7. STA. 258+03.24 TO STA. 260+46.52 = 11.5'
   STA. 260+46.52 TO STA. 263+49.19 = VARIES 11.5' TO 26'
8. STA. 262+56.59 TO STA. 263+31.62 = VARIES 0' TO 12.5'
   STA. 263+31.62 TO STA. 263+90.36 = 12.5'
9. STA. 254+75.00 TO STA. 258+75.00 = 13'
   STA. 258+75.00 TO STA. 263+88.82 = 15'
10. STA. 261+10.51 TO STA. 263+88.82 = 11.5'

* SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.

** 6:1 WITHIN SHOULDER VARIES 3:1 TO 6:1 OUTSIDE SHOULDER.

A TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 30, AND EROSION MAT URBAN CLASS 1 TYPE B.

B TOPSOIL, SOD LAWN, AND FERTILIZER TYPE B.



PROPOSED TYPICAL SECTION 76TH STREET

STA. 40+19 H TO STA. 58+24 H

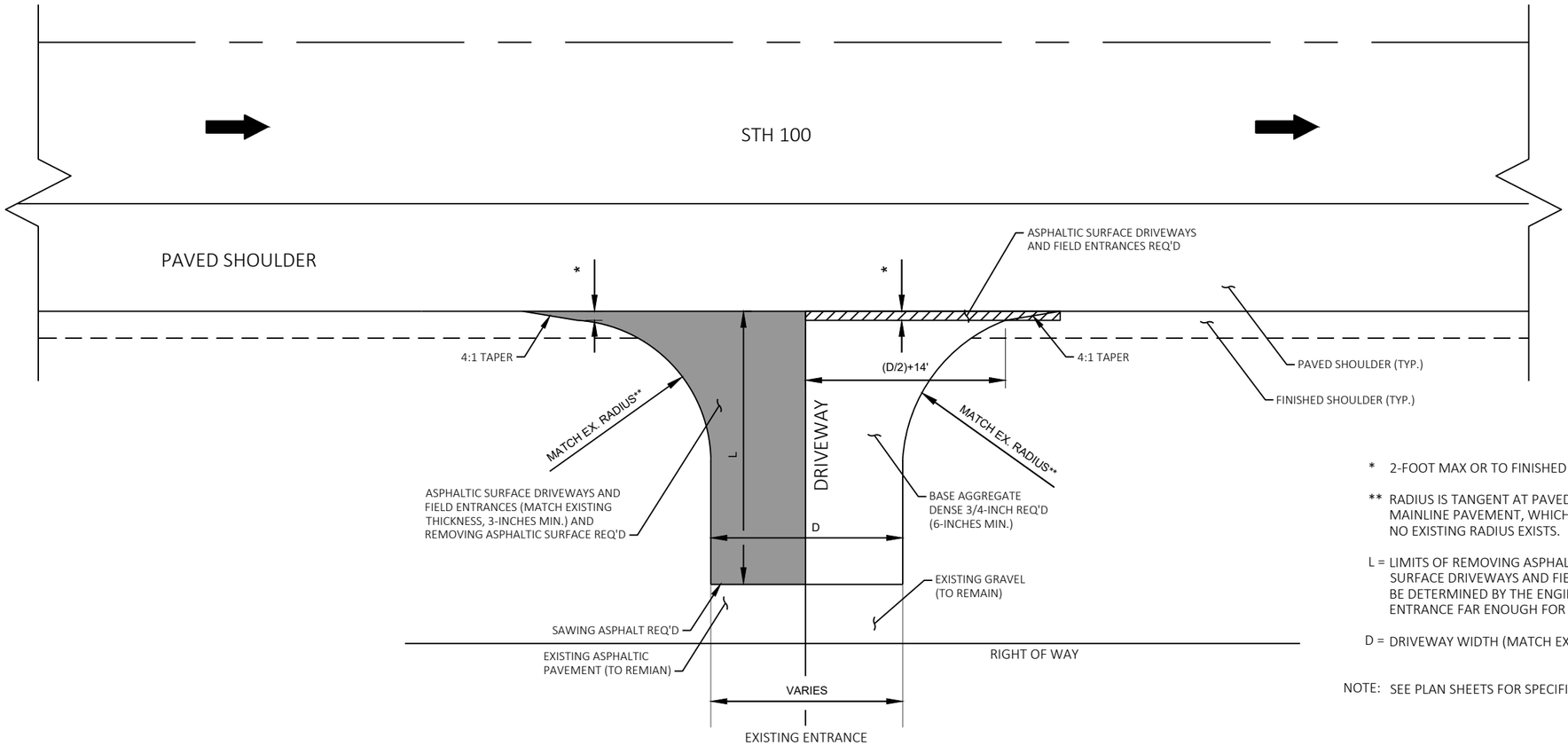
1. STA. 40+19.22 H TO STA. 46+19.19 H = VARIES 0' TO 12'
   STA. 46+19.19 H TO STA. 53+44.49 H = 12'
   STA. 53+44.49 H TO STA. 58+24.34 H = VARIES 12' TO 0'

A TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 30, AND EROSION MAT URBAN CLASS 1 TYPE B.

* RIGHT TURN LANE CONSTRUCTED BY OTHERS

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 15	E

NOT TO SCALE



PLAN VIEW

* 2-FOOT MAX OR TO FINISHED SHOULDER, WHICHEVER IS LESS.

** RADIUS IS TANGENT AT PAVED SHOULDER EDGE OR 10' OFF OF MAINLINE PAVEMENT, WHICHEVER IS LESS. USE RADIUS OF 20' IF NO EXISTING RADIUS EXISTS.

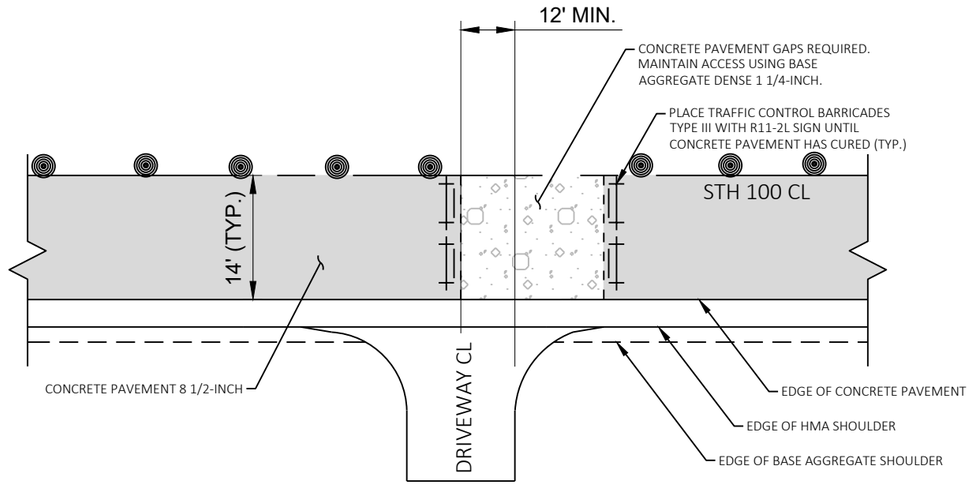
L = LIMITS OF REMOVING ASPHALTIC SURFACE AND ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES. EXACT LENGTH TO BE DETERMINED BY THE ENGINEER IN THE FIELD. BLEND BACK THE ENTRANCE FAR ENOUGH FOR A SMOOTH PROFILE TRANSITION.

D = DRIVEWAY WIDTH (MATCH EXISTING)

NOTE: SEE PLAN SHEETS FOR SPECIFIC LOCATIONS.

RURAL ASPHALT AND AGGREGATE DRIVEWAY DETAIL
(DRIVEWAYS WITHOUT MULTIUSE PATH)

NOT TO SCALE



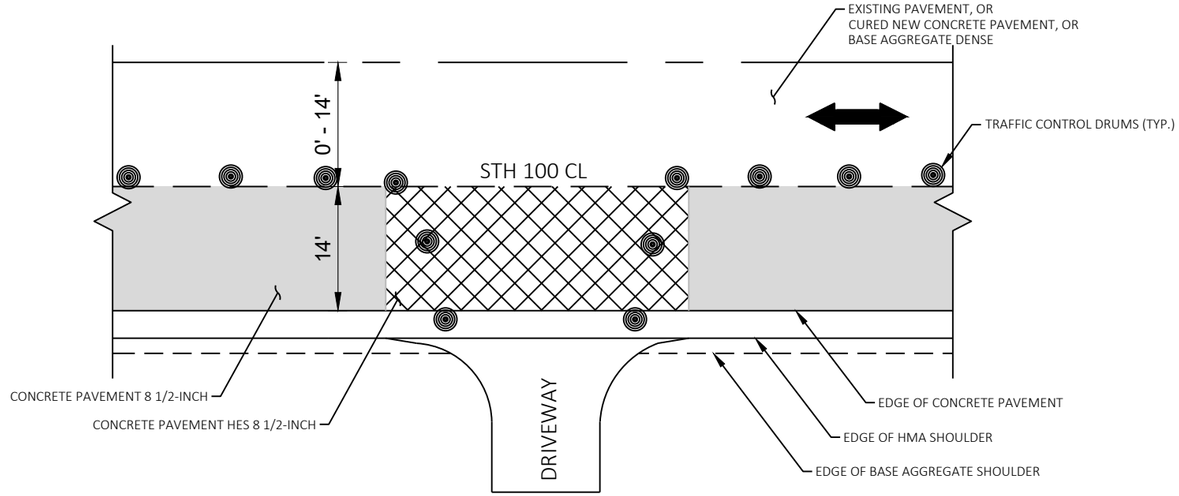
DRIVEWAY CONSTRUCTION IN HALVES

NOTES:

MAINTAIN ACCESS TO DRIVEWAYS WITHIN PROJECT LIMITS AT ALL TIMES. CONSTRUCT DRIVEWAYS IN HALVES OR USE CONCRETE PAVEMENT HES 8 1/2-INCH TO MAINTAIN ACCESS TO PROPERTIES WITH SINGLE DRIVEWAYS.

SEE PLAN DETAILS FOR CONCRETE PAVEMENT HES 8 1/2-INCH LOCATIONS.

ROADWAY SHALL BE MAINTAINED FOR LOCAL ACCESS ONLY.

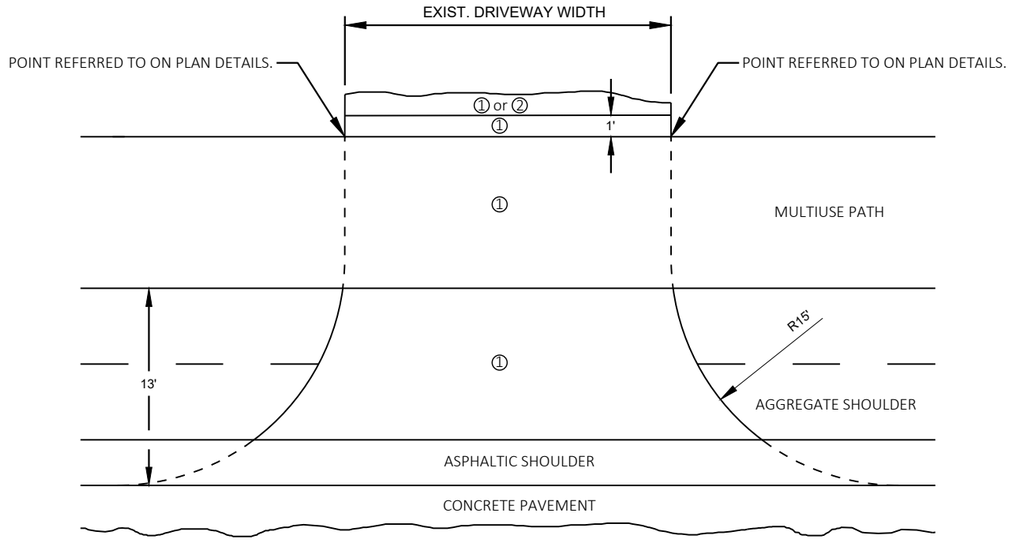


CONCRETE DRIVEWAY HES

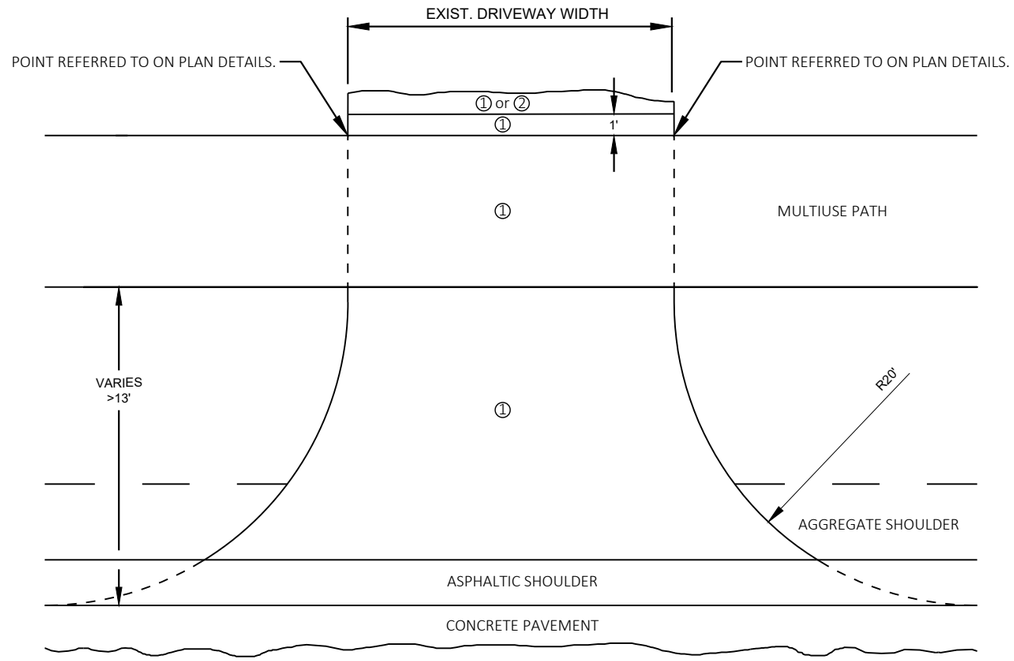
DRIVEWAY CONSTRUCTION USING CONCRETE PAVEMENT HES 8 1/2-INCH

MAINTAINING ACCESS TO PROPERTIES WITH
SINGLE DRIVEWAY DETAILS

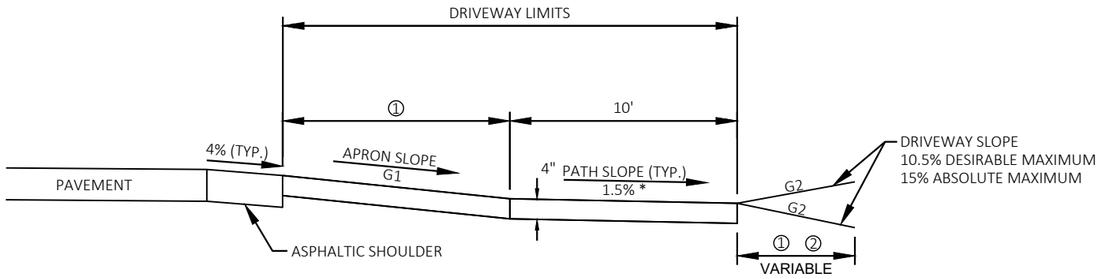
NOT TO SCALE



PLAN VIEW
TERRACE WIDTH = 13 FEET



PLAN VIEW
TERRACE WIDTH > 13 FEET



TYPICAL DRIVEWAY SECTION

DRIVEWAY ENTRANCE WITH MULTIUSE PATH DETAIL

STA. 138+90 LT	STA. 157+64 LT
STA. 139+78 LT	STA. 158+89 LT
STA. 141+56 LT	STA. 160+24 LT
STA. 146+43 LT	STA. 167+36 LT
STA. 150+24 LT	STA. 190+50 LT
STA. 152+91 LT	STA. 196+89 LT
STA. 153+76 LT	STA. 200+42 LT
STA. 156+55 LT	STA. 210+66 LT
STA. 157+02 LT	STA. 235+79 LT

① 4-INCH 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

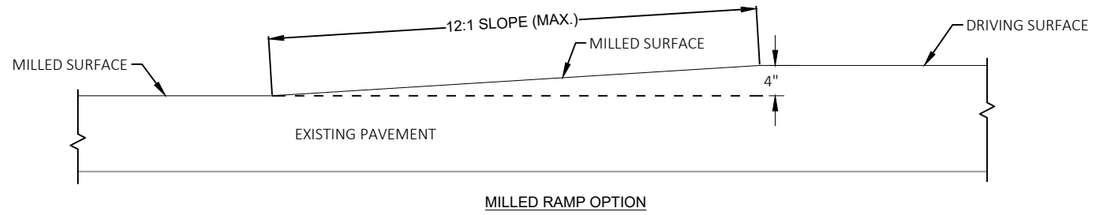
NOTES:

SEE PLAN DETAILS FOR DRIVEWAY LOCATIONS.

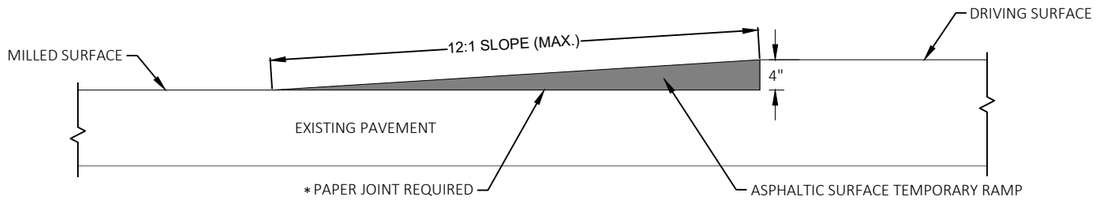
SEE CROSS SECTIONS FOR DRIVEWAY SLOPES.

2

NOT TO SCALE



MILLED RAMP OPTION



ASPHALTIC SURFACE TEMPORARY RAMP OPTION

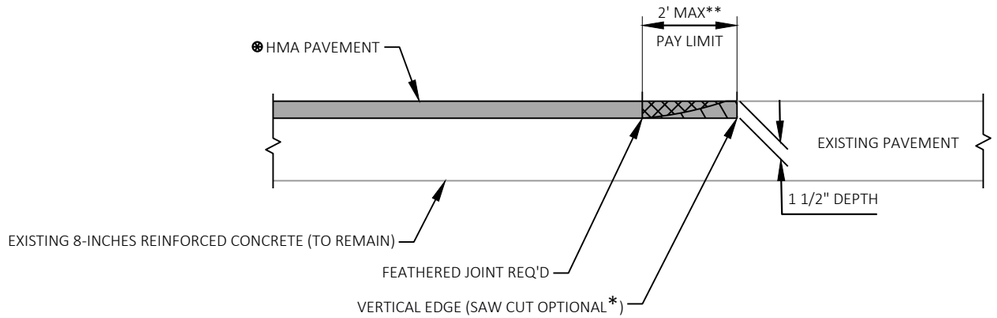
NOTES:

- THESE CONSTRUCTION DETAILS AND THE SPECIAL PROVISIONS SUPPLEMENT THE REQUIREMENTS FOR PROVIDING DROP-OFF PROTECTION AS STATED IN STANDARD SPECIFICATION 104.6.1.2.3.
- MILLING RAMP PAID AS 'REMOVING ASPHALTIC SURFACE BUTT JOINTS' OR 'REMOVING PAVEMENT BUTT JOINTS'.
- PAVING OF ASPHALTIC SURFACE TEMPORARY RAMP PAID AS 'ASPHALTIC SURFACE TEMPORARY'
- REMOVAL OF RAMPS PAID AS 'REMOVING ASPHALTIC SURFACE BUTT JOINTS' OR 'REMOVING PAVEMENT BUTT JOINTS'.

*NOT PAID FOR SEPARATELY

PROTECTION FOR LONGITUDINAL DROP-OFFS GREATER THAN 2"

NOT TO SCALE



HMA PAVEMENT

REMOVING ASPHALTIC SURFACE BUTT JOINTS

HMA PAVEMENT 3 MT 58-28 S (ASPHALTIC WEDGE)

* NOT PAID FOR SEPARATELY

** TRANSITION PAVEMENT CROSS SLOPE TO MATCH EXISTING CROSS SLOPE.

⊛ SEE HMA PAVEMENT SUMMARY TABLE ON GENERAL NOTES PLAN SHEET FOR PAVEMENT TYPE AND LAYER THICKNESS.

NOTE:

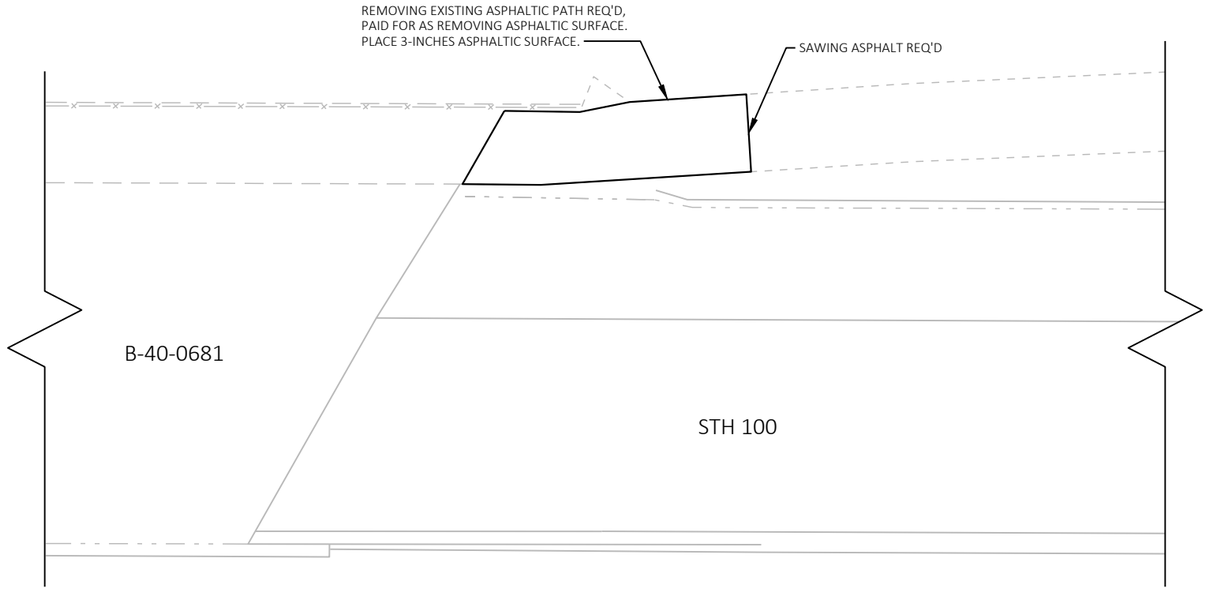
REMOVE ASPHALTIC SURFACE WEDGE PRIOR TO PAVING UPPER PAVEMENT LAYER TO CREATE A VERTICAL FACE AT BUTT JOINT. CREATE BY SAWING, MILLING, OR OTHER ENGINEER-APPROVED METHODS. PAID FOR UNDER REMOVING ASPHALTIC SURFACE BUTT JOINTS.

REMOVING ASPHALTIC SURFACE BUTT JOINTS DETAIL (NO PROFILE CHANGE)

STA. 104+48
STA. 106+58
ST. MARTINS ROAD
STA. 16+01 A
STA. 27+00 A

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET 19	E

NOT TO SCALE



MULTIUSE PATH ASPHALTIC SURFACE WEDGE

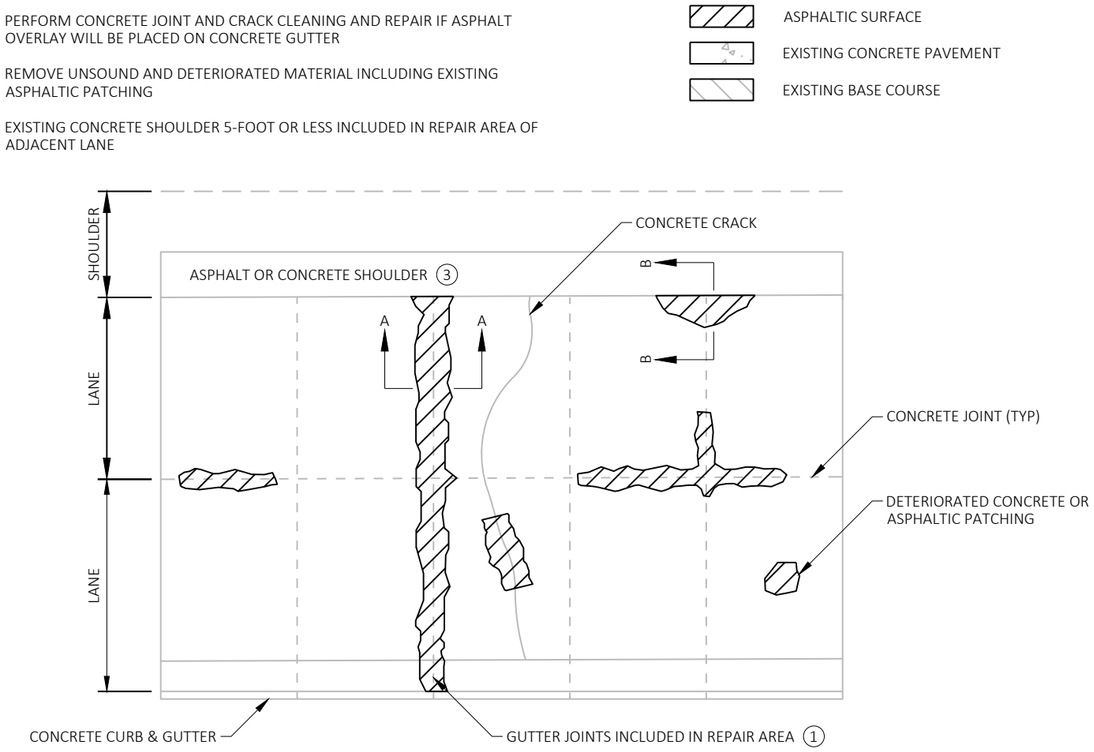
2

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET 20	E

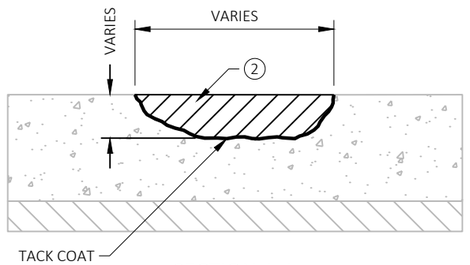
2

NOTES:

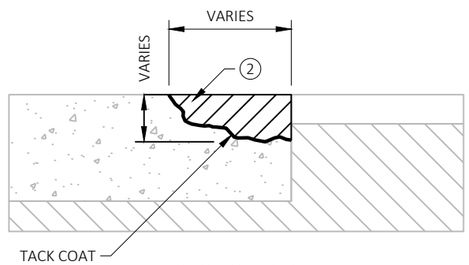
1. PERFORM CONCRETE JOINT AND CRACK CLEANING AND REPAIR IF ASPHALT OVERLAY WILL BE PLACED ON CONCRETE GUTTER
2. REMOVE UNSOUND AND DETERIORATED MATERIAL INCLUDING EXISTING ASPHALTIC PATCHING
3. EXISTING CONCRETE SHOULDER 5-FOOT OR LESS INCLUDED IN REPAIR AREA OF ADJACENT LANE



PLAN VIEW



SECTION A-A



SECTION B-B

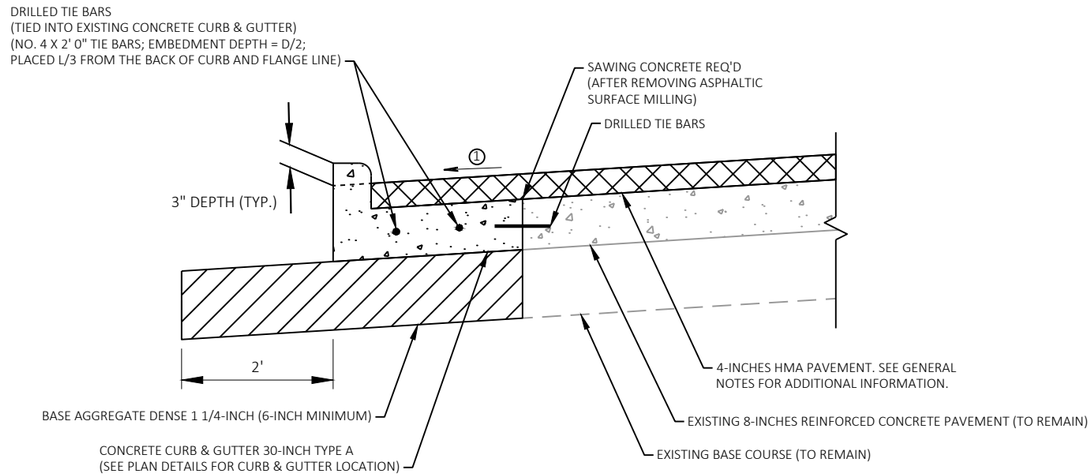
CONCRETE JOINT AND CRACK CLEANING AND REPAIR

SEE MISCELLANEOUS QUANTITIES FOR LOCATION

2

NOT TO SCALE

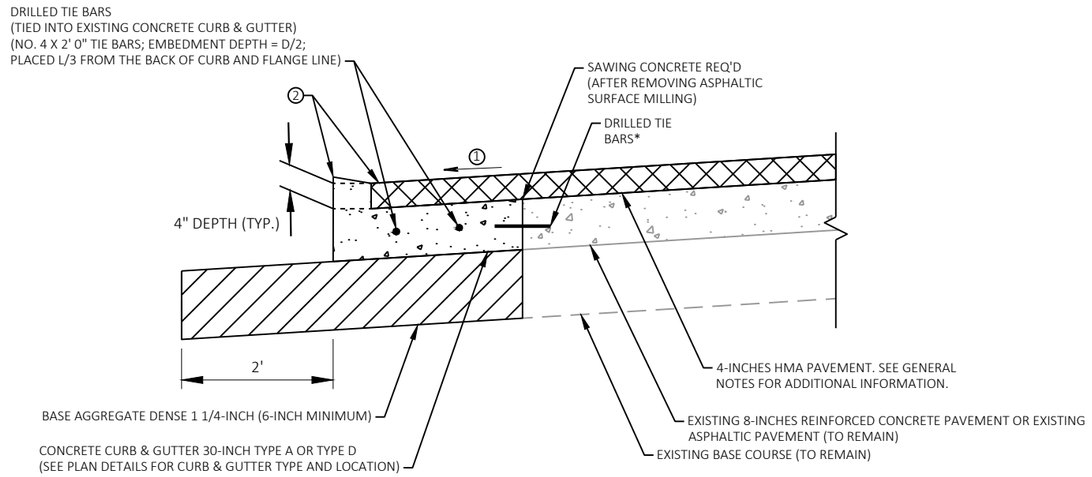
① MATCH ADJACENT PAVEMENT SLOPE



CONCRETE CURB & GUTTER SPOT REPLACEMENT

STA. 104+48 TO STA. 125+51

NOT TO SCALE



CONCRETE CURB & GUTTER SPOT
REPLACEMENT AT CURB RAMP OPENINGS

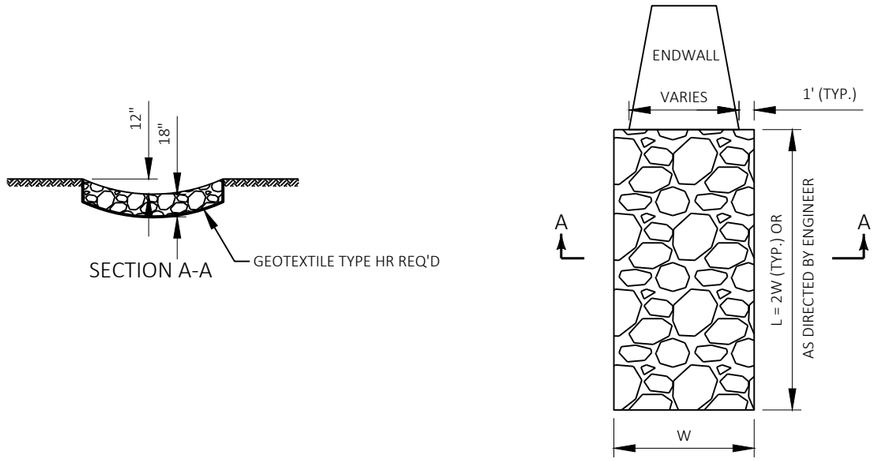
ST. MARTINS ROAD
STH 36

① MATCH ADJACENT PAVEMENT SLOPE

② GRADE CHANGE BETWEEN OVERLAYED GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM OVERLAYED GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

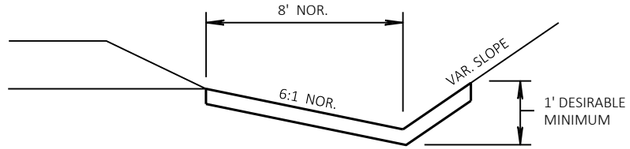
* DRILLED TIE BARS ONLY REQUIRED FOR CONCRETE CURB & GUTTER TYPE A (SEE PLAN DETAILS FOR CONCRETE CURB AND GUTTER TYPE AND LOCATION)

NOT TO SCALE



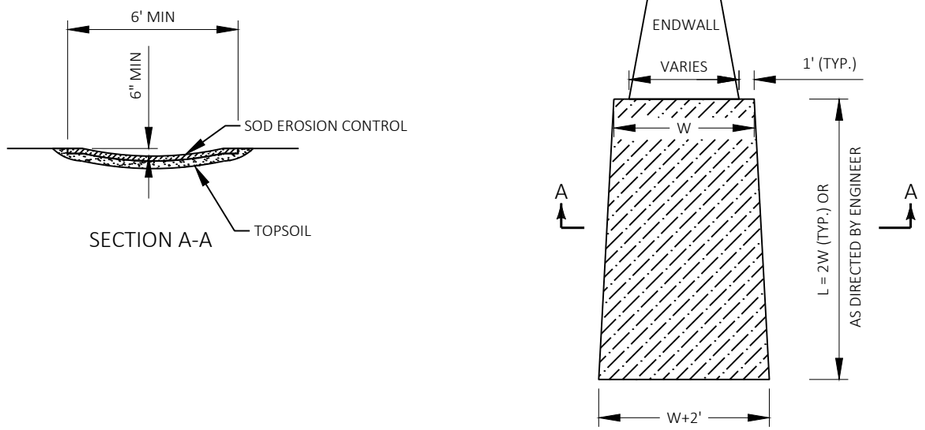
RIPRAP MEDIUM TREATMENT AT CULVERTS

NOT TO SCALE



EROSION MAT DETAIL FOR DITCHES

NOT TO SCALE



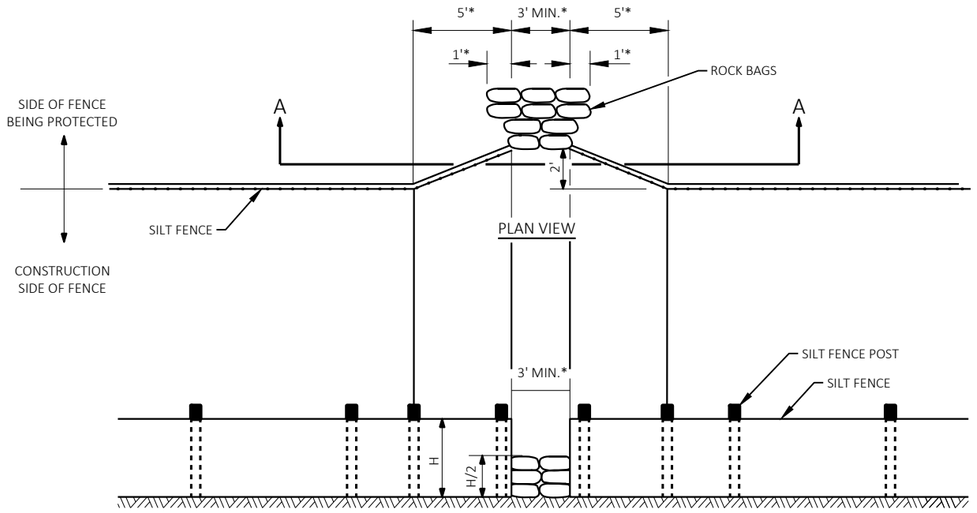
SOD EROSION CONTROL TREATMENT AT CULVERTS

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 = 61.3 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 40.7 ACRES

NOT TO SCALE



SECTION A-A (ELEVATION VIEW)

NOTE:

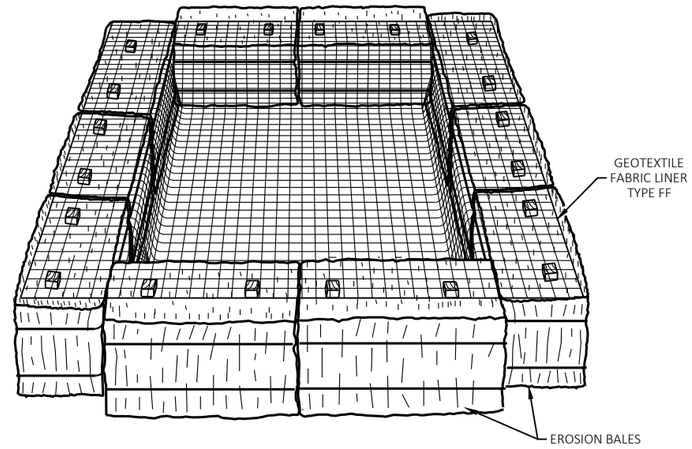
* = DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY ENGINEER

H = HEIGHT OF SILT FENCE

SILT FENCE DRAINAGE RELIEF DETAIL

SEE EROSION CONTROL AND MISCELLANEOUS QUANTITIES FOR LOCATIONS

NOT TO SCALE



TEMPORARY SETTLING BASIN

(SIZE TO BE DETERMINED IN FIELD AS INDICATED BELOW:)

STORAGE VOLUME (CF) = 16 X GPM (PUMP RATE)

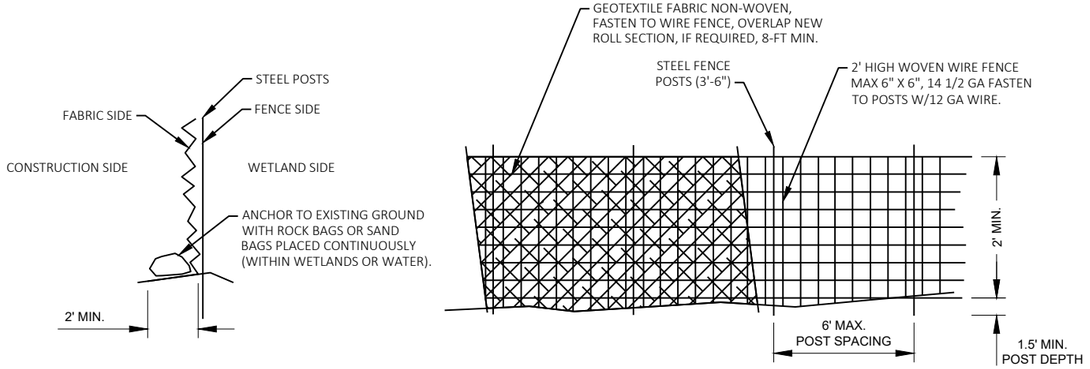
EXAMPLE:
CONTRACTOR INDICATES PUMP CAPABLE OF 50 GPM
HEIGHT OF BALES = 1.5 FT

SOLUTION:
SV (CF) = 16 X 50
SV = 800 CF

$$\frac{800\ CF}{1.5\ FT} = 533\ SF$$

USE A 20 FT X 27 FT BASIN

NOT TO SCALE

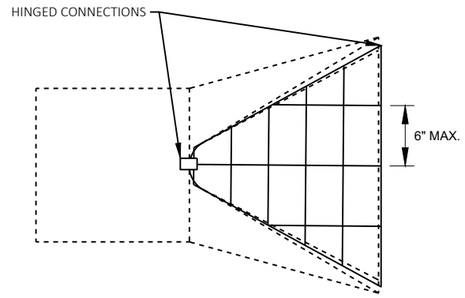


SILT FENCE HEAVY DUTY (SFHD)

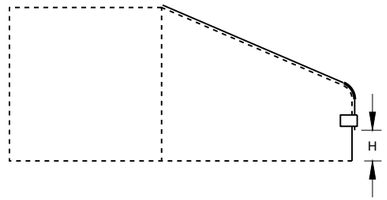
NOTES: ANCHOR GEOTEXTILE FABRIC A MINIMUM OF 6" BELOW GRADE. TRENCH, ANCHOR AND BACKFILL SIMILAR TO REGULAR SILT FENCE INSTALLATION OUTSIDE OF WETLANDS OR WHEN THE GROUND IS DRY ENOUGH FOR TRENCHING. THE CONTRACTOR SHALL NOT BE REQUIRED TO TRENCH IF THE SFHD IS WITHIN STANDING WATER AT THE TIME OF INSTALLATION.

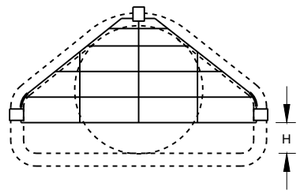
ANCHOR MATERIAL INCIDENTAL TO HEAVY DUTY SILT FENCE.

NOT TO SCALE



GRATE CLEARANCE HEIGHT			
ROUND PIPE		ARCH PIPE	
PIPE SIZE	H	PIPE SIZE	H
12"	2 1/2"	22" - 29"	4"
15"	3"	36" - 44"	5"
18" - 24"	4"	51" - 65"	6"
27" - 36"	5"	73" - 85"	7"
42" - 54"	6"		
60" - 72"	7"		
78" - 90"	8"		

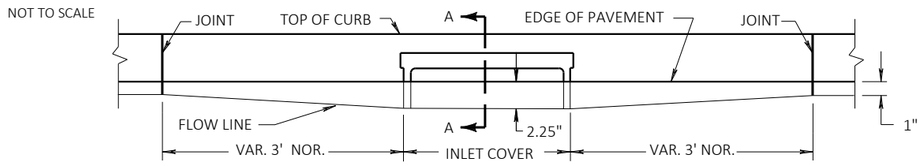




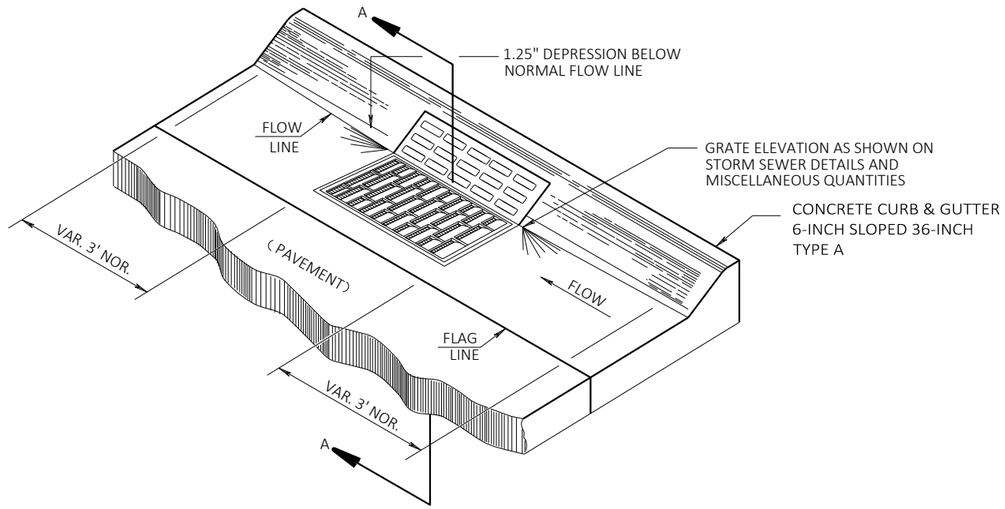
BAR SIZES				
STANDARD DESIGN				
	PIPE SIZE	HOLE DIAMETER REQUIRED	BOLT DIAMETER	BAR SIZE
ROUND PIPE	12" - 24"	3/4"	5/8"	5/8"
	27" - 48"	7/8"	3/4"	3/4"
	54" - 90"	1 1/8"	1"	1"
ARCH PIPE	22" - 29"	3/4"	5/8"	5/8"
	36" - 59"	7/8"	3/4"	3/4"
	65" - 85"	1 1/8"	1"	1"
BOLT LENGTH = PIPE WALL THICKNESS + 2 1/2"				

PIPE GRATES DETAIL

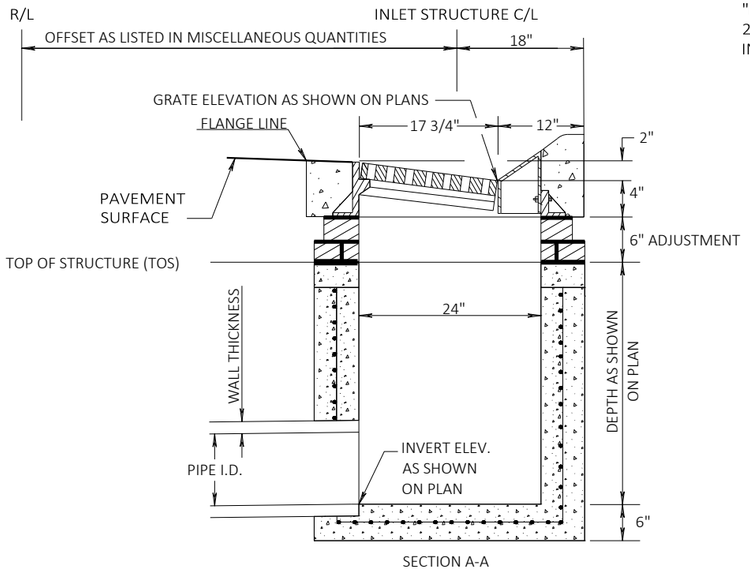
NOT TO SCALE



ELEVATION



REFER TO STANDARD DETAIL DRAWING "INLETS 2X2-FT, 2X2.5-FT, 2X3-FT, 2.5X3-FT" FOR ADDITIONAL INFORMATION

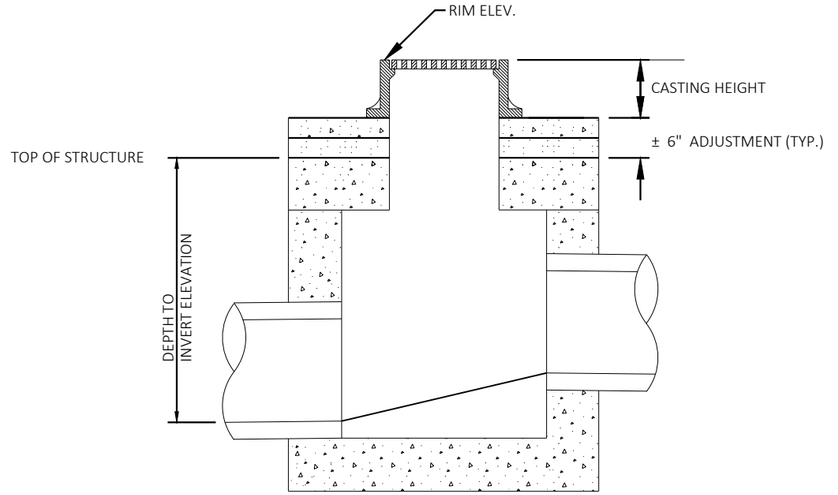


SECTION A-A

(INLET 2X3-FT WITH COVERS TYPE HM SHOWN)

DETAIL OF CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A AT INLETS

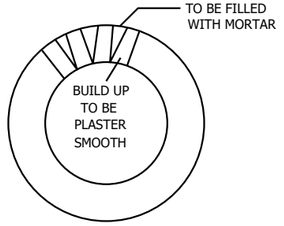
NOT TO SCALE



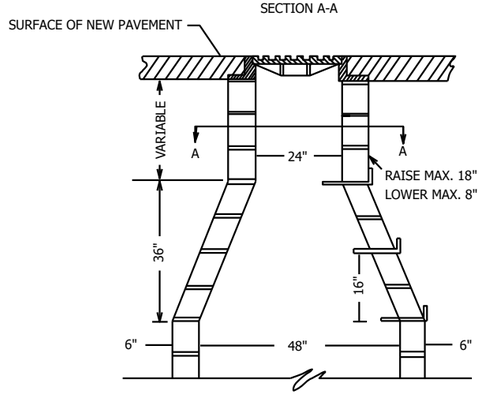
NOTE:
RIM ELEVATION IS AT FLOW LINE OF CURB & GUTTER FOR INLETS

DETAIL FOR COMPUTING STRUCTURE ELEVATIONS

NOT TO SCALE



SECTION A-A

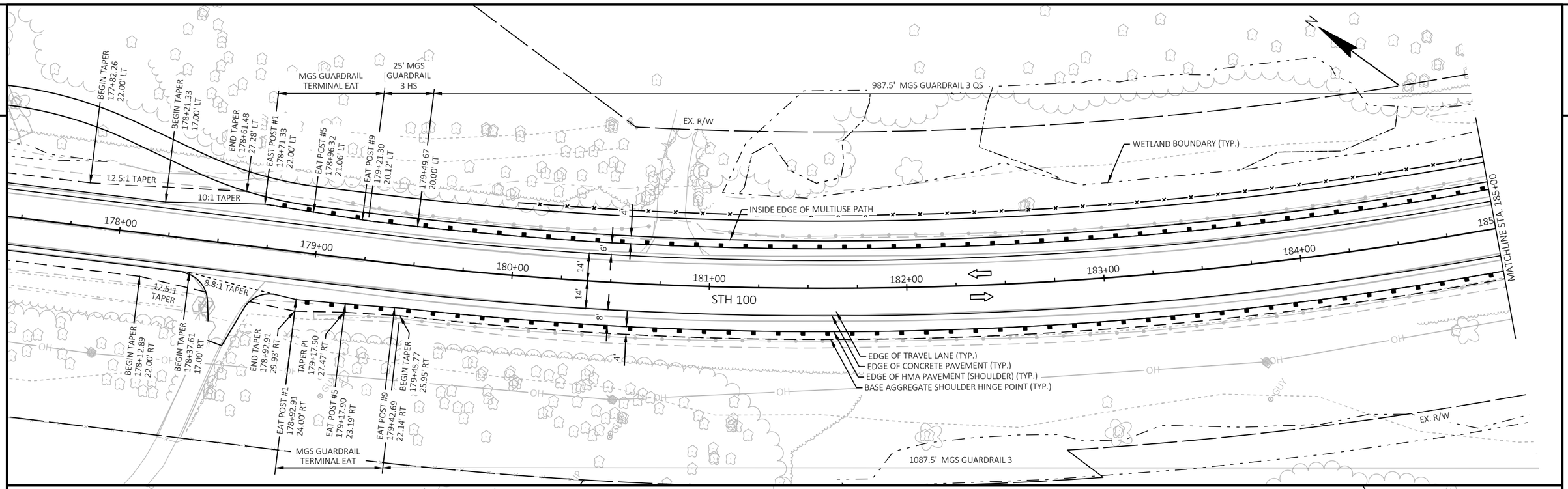


1. ADJUSTMENT SHALL BE MADE WITH REINFORCED CONCRETE RINGS OR CURVED CONCRETE BLOCKS. SUCCESSIVE COURSE OF BLOCKS SHALL BE LAID WITH THE TOP COURSE OVERLAPPING THE BOTTOM COURSE ONE HALF (1/2) THE WIDTH OF THE BLOCK. STANDARD CAST IRON MANHOLE STEPS SHALL BE INSTALLED 16" O.C. THE MANHOLE CASTING SHALL BE SECURED TO THE STRUCTURE BY MORTAR. ALL WOODEN SHIMS SHALL BE REMOVED BEFORE THE MORTAR IS APPLIED.

2. VITRIFIED BRICK MAY BE USED. IF CONCRETE BRICK IS USED, THE BRICK SHALL BE LAID AS SHOWN IN SECTION A-A.

DETAIL FOR ADJUSTING MANHOLES

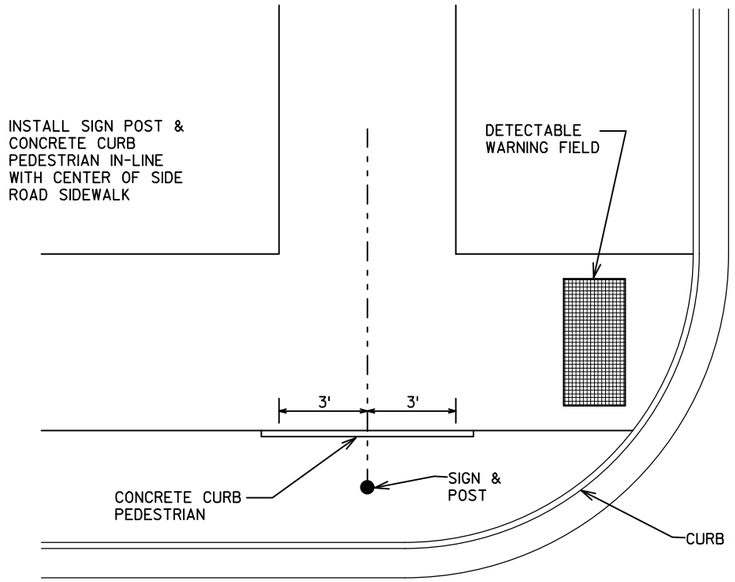
2



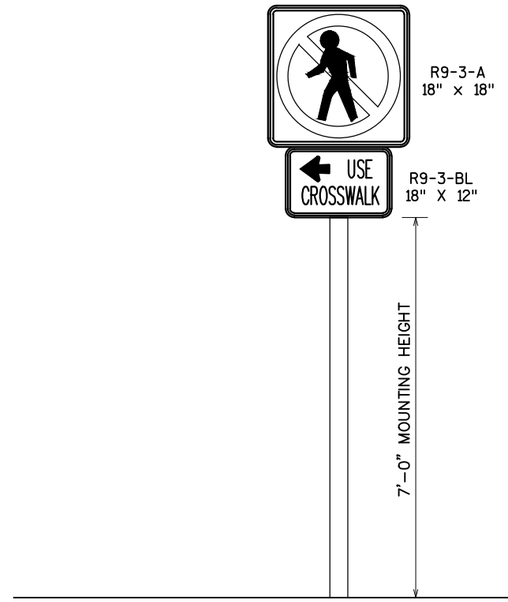
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	GUARDRAIL LAYOUT DETAILS	SHEET 27	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021002-CD.DWG
LAYOUT NAME - 021021-cd
PLOT DATE : 7/1/2024 9:14 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2



CURB AND SIGN LOCATION DETAIL



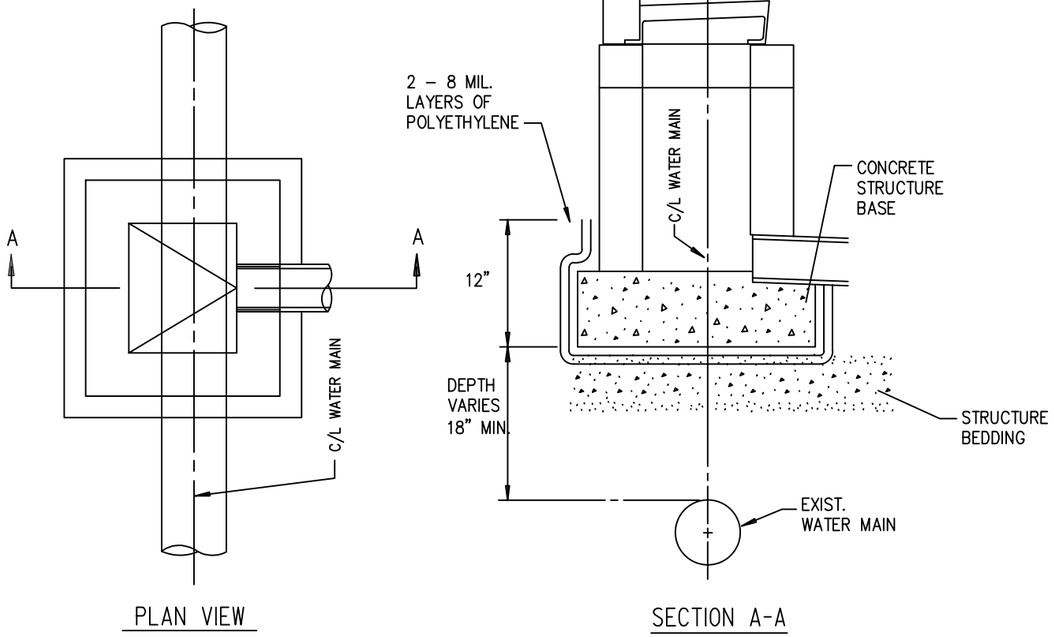
CONCRETE CURB PEDESTRIAN DETAIL
CURB ELEVATION VIEW

PEDESTRIAN BARRIER DETAIL
NOT TO SCALE

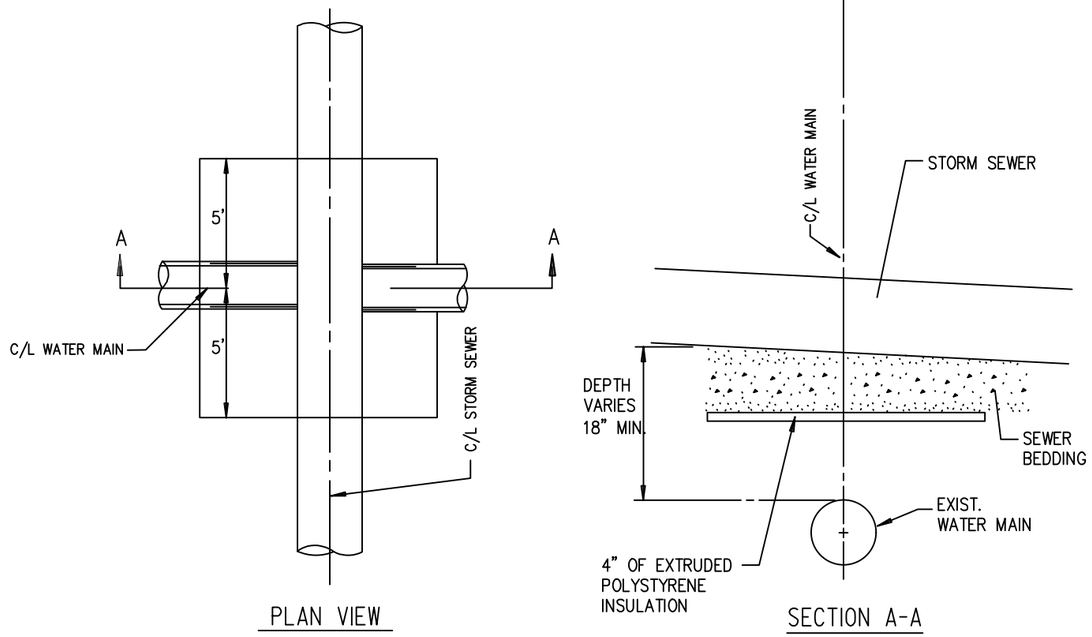
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS - PEDESTRIAN SIGN TYPICAL	SHEET 28 E

2

WATER MAIN PROTECTION AT STRUCTURES



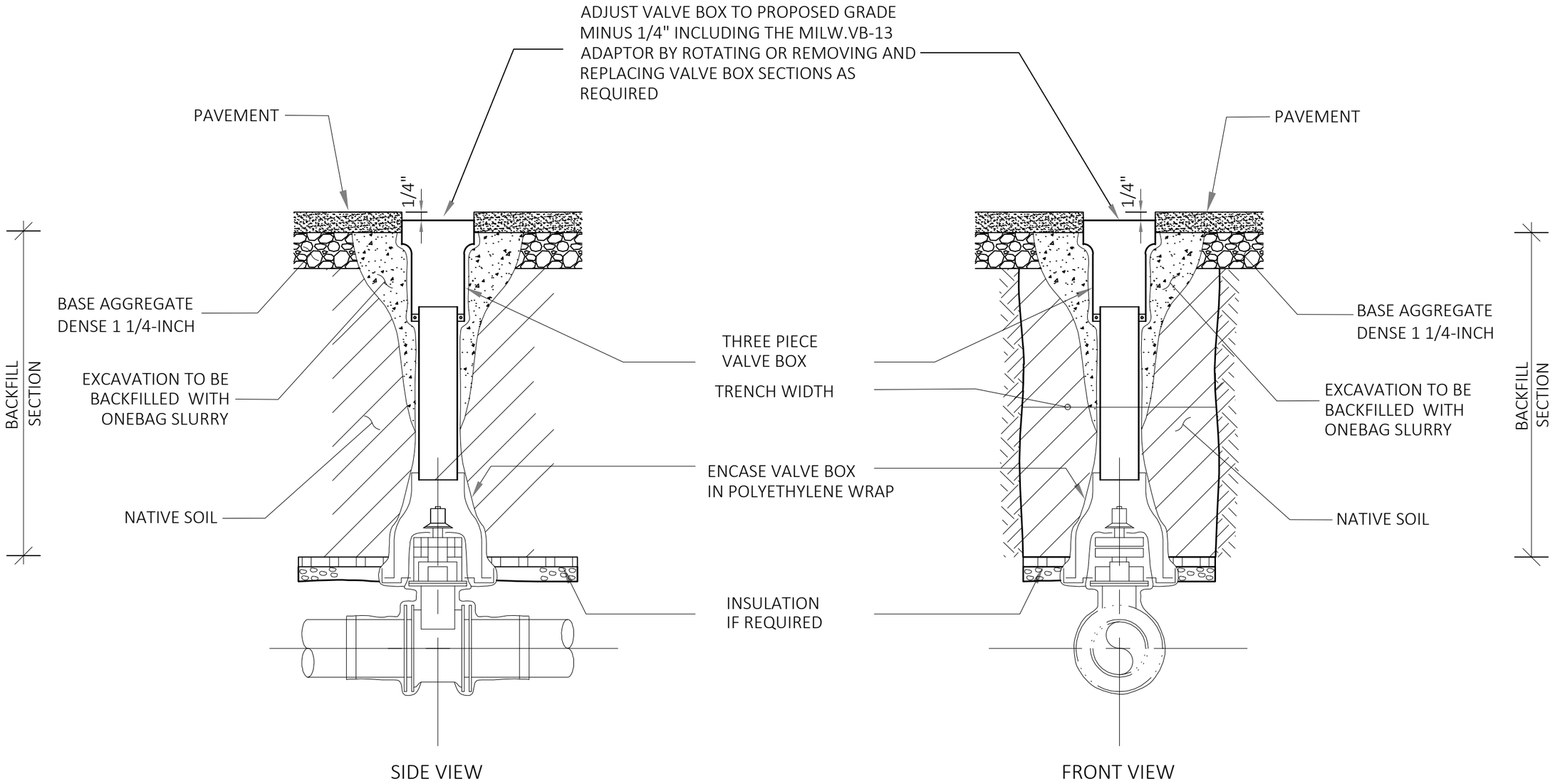
WATER MAIN PROTECTION AT CROSSINGS



WATER MAIN INSULATION - CITY OF FRANKLIN

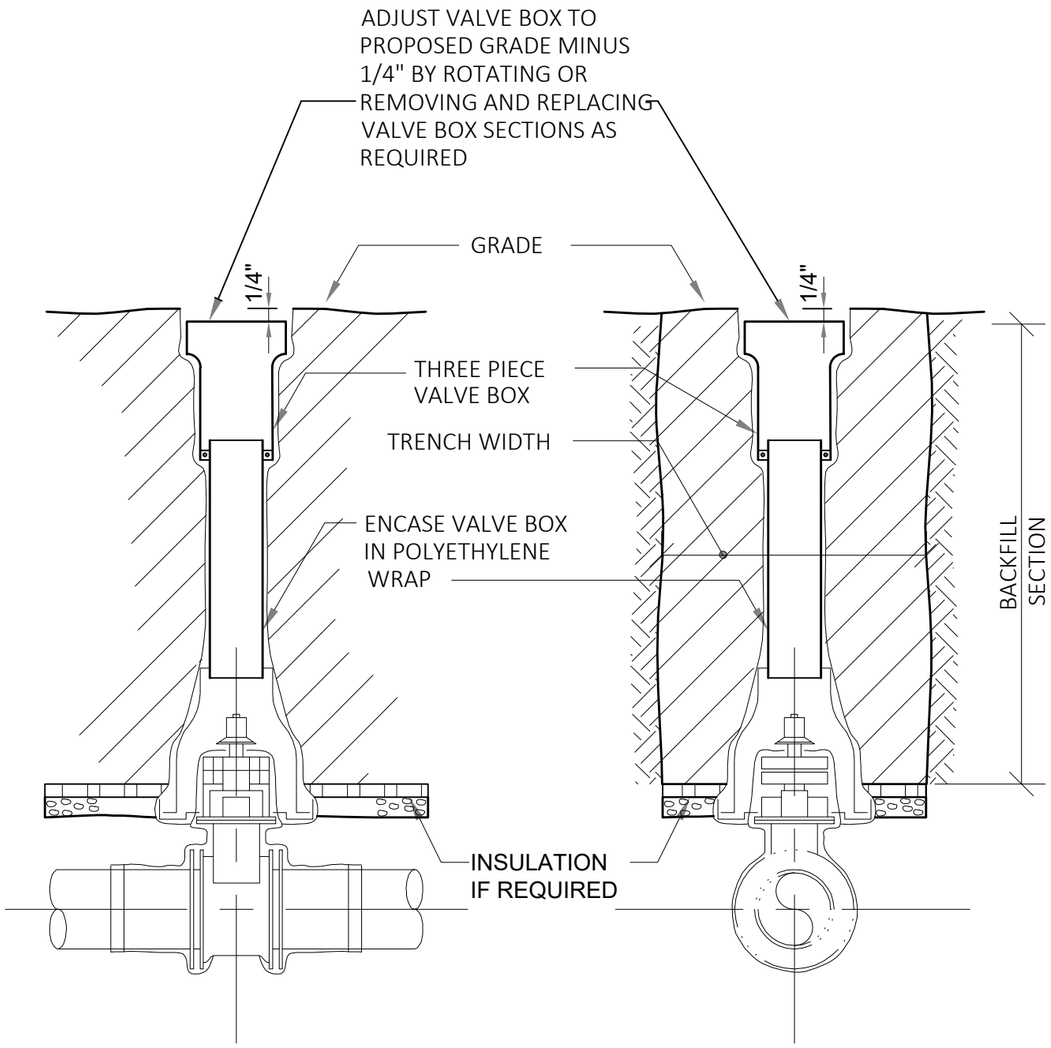
NOTE: INSTALL ON ALL CATCH BASINS OR INLETS WITH LESS THAN 24" OF HORIZONTAL OUT-TO-OUT SEPARATION FROM STRUCTURE TO WATER MAIN AND AT CROSSING WITH LESS THAN 5' OF VERTICAL OUT-TO-OUT SEPARATION FROM STORM SEWER PIPE TO WATER MAIN

2



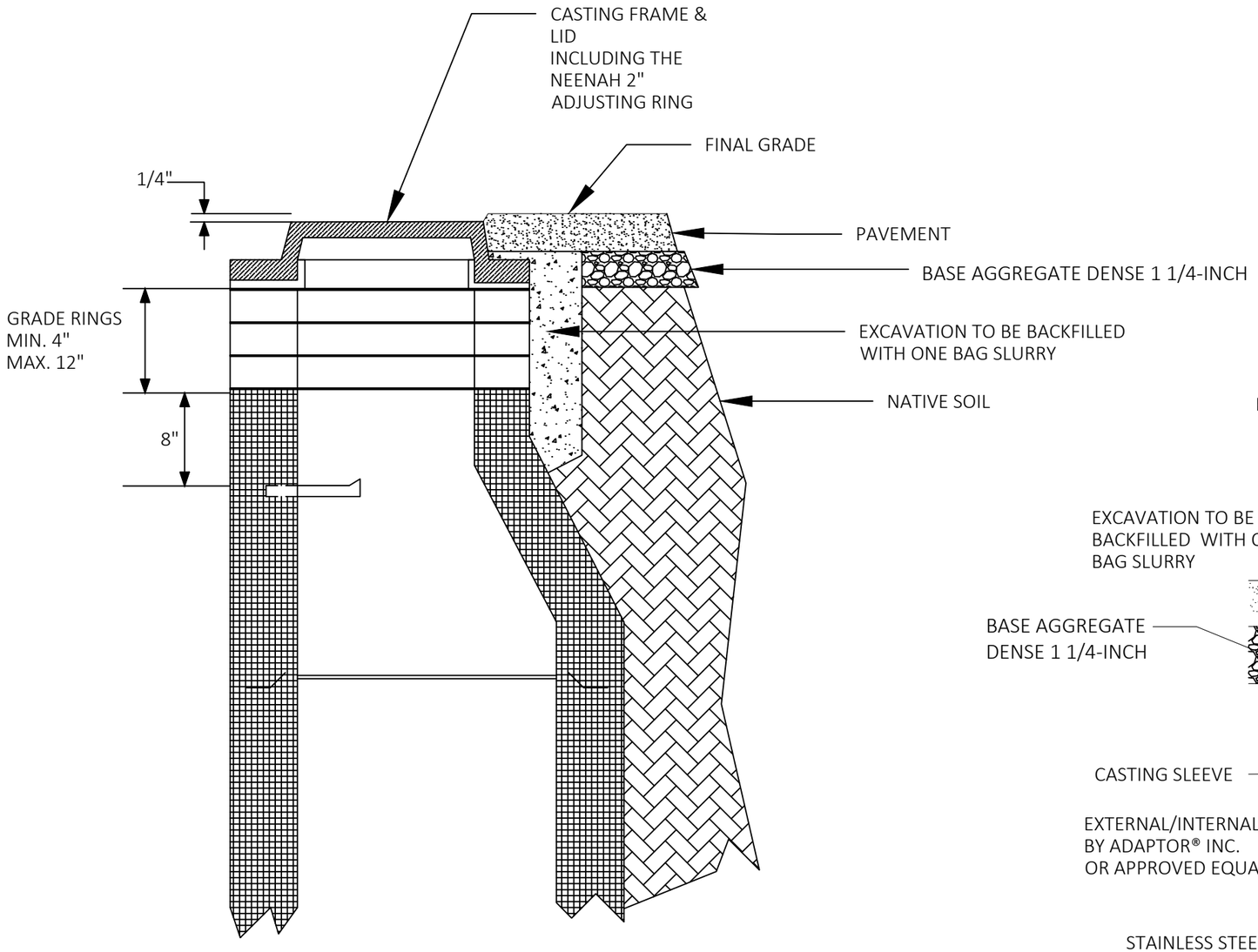
WATER GATE VALVE & BOX SETTING IN PAVEMENT

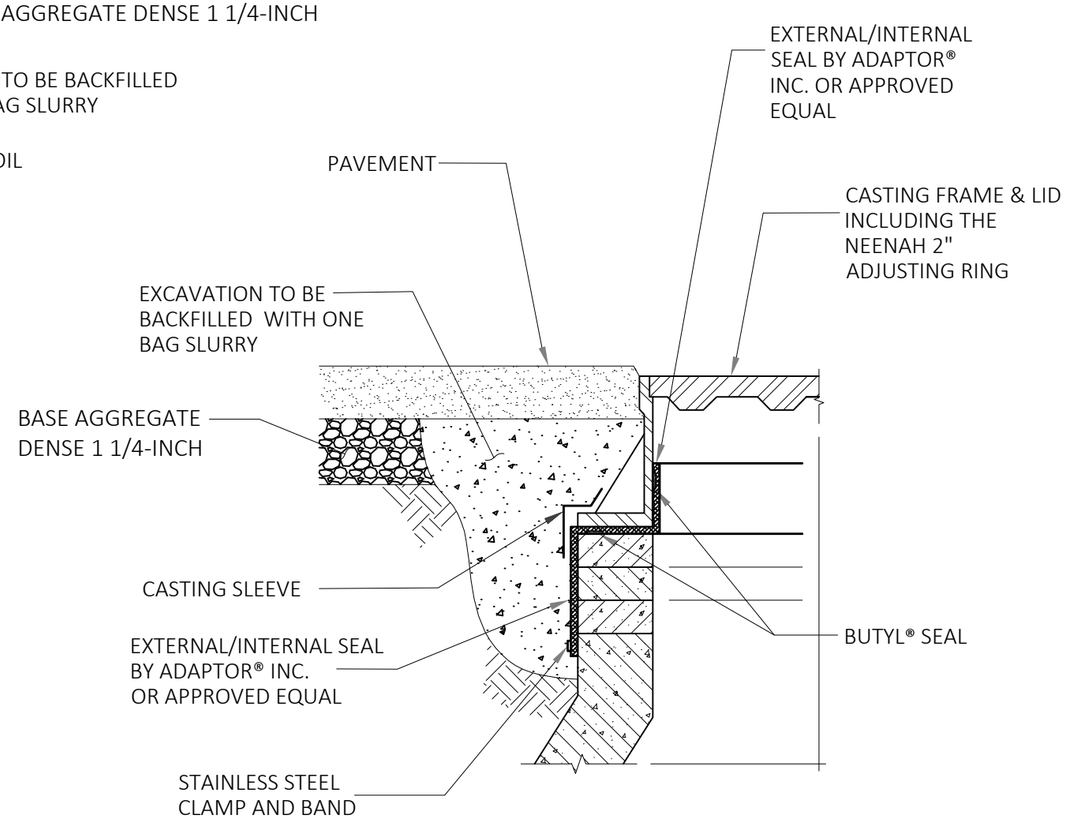
2



WATER GATE VALVE & BOX SETTING OUTSIDE OF PAVEMENT

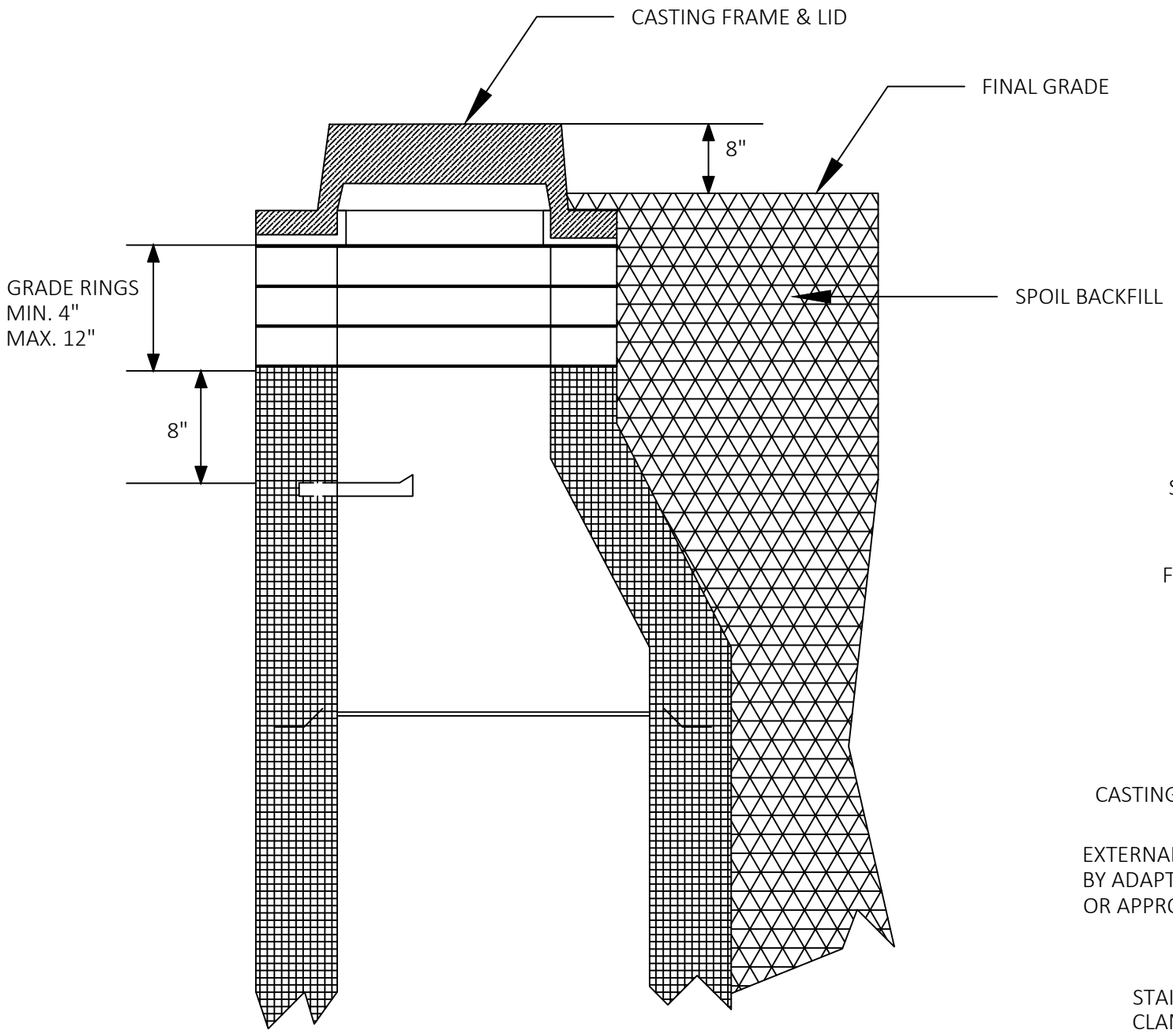
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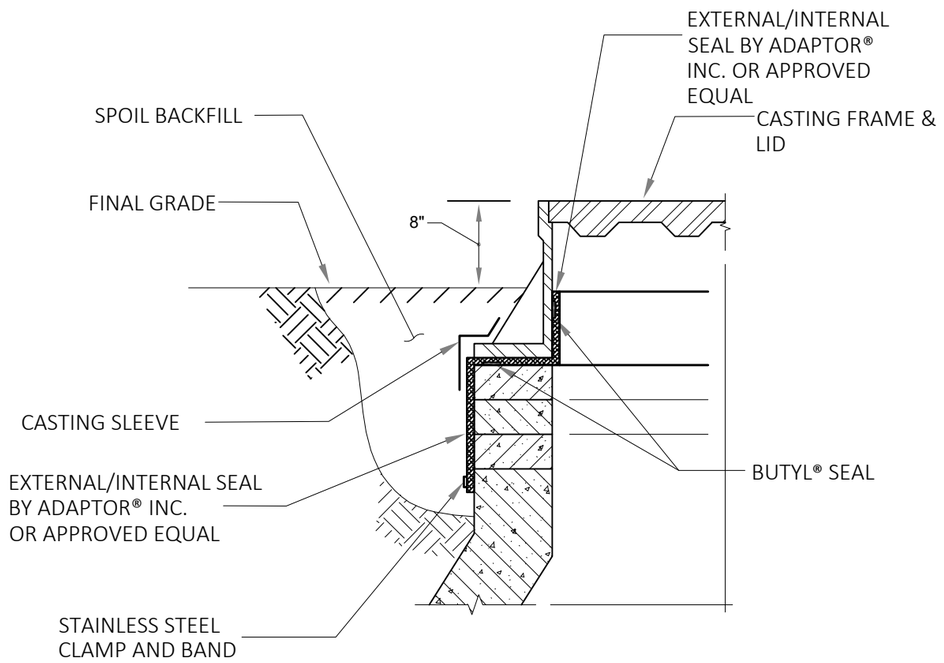




SANITARY SEWER MANHOLE SETTING IN PAVEMENT

2





SANITARY SEWER MANHOLE SETTING OUTSIDE OF PAVEMENT

2

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
A01	104+58.43	35.54' LT	246,402.08	571,182.89	---
A02	104+58.65	32.27' LT	246,401.92	571,179.62	---
A03	106+57.95	42.01' LT	246,202.48	571,185.78	---
A04	106+57.98	16.41' LT	246,202.91	571,160.18	---

N

R/W

BEGIN PROJECT
BEGIN RESURFACING
STA. 104+47.88

A01
A02
A03
A04
OVR

STH 100

104+00
105+00
106+00
107+00
108+00
109+00

MATCHLINE STA. 109+50

WETLAND BOUNDARY (TYP.)

R/W

LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	xxxxxxxxxx	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY HES 6-INCH		SAWING ASPHALT
ASPH	4-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-30A/CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE A OR D
AP	3-INCHES ASPHALTIC SURFACE	CG-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
HMA-S	HMA PAVEMENT 3 1/2-INCH (SHOULDER)	SN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED & TINED)		STORM SEWER INLET
OVR	HMA OVERLAY 4-INCH		STORM SEWER MANHOLE
X	TREE CUT DOWN BY OTHERS		REVERSE SLOPE GUTTER
XX XX	DRIVEWAY REMOVAL		CONCRETE PAVEMENT HES 8 1/2-INCH

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 34	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021201-pd
PLOT DATE : 7/12/2024 10:33 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
B01	110+21.16	60.15' RT	245,834.20	571,084.38	---
B02	110+30.90	76.26' RT	245,822.16	571,069.46	---
B03	110+72.91	75.63' RT	245,777.43	571,076.00	---
B04	110+84.50	59.74' RT	245,767.70	571,093.64	---
B05	113+36.11	53.75' RT	245,515.26	571,175.22	---
B06	113+76.18	53.68' RT	245,477.02	571,193.13	---
B07	113+45.11	73.91' RT	245,498.28	571,160.73	---

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
B08	113+73.26	73.91' RT	245,470.93	571,173.60	---
B09	109+95.62	125.75' RT	245,856.29	571,016.60	R=100'
B10	109+67.86	201.23' RT	245,883.95	570,939.30	R=100'
B11	109+34.06	241.64' RT	245,924.04	570,897.68	---
B12	109+37.53	245.80' RT	245,919.66	570,893.58	---
B14	110+29.80	83.04' RT	245,822.60	571,062.59	---
B15	110+71.44	85.23' RT	245,777.54	571,066.27	---

MATCHLINE STA. 109+50

MATCHLINE STA. 115+50

STH 100

ST. MARTINS ROAD

ST. MARTINS ROAD MARTINS

BEGIN CONSTRUCTION

SLOPE INTERCEPT (TYP.)

EXISTING STREET LIGHT TO REMAIN

EXISTING SIGN TO REMAIN

STA. 109+07.09, 130.66' RT
R = 100'

LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	xxxxxxxxxx	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY HES 6-INCH		SAWING ASPHALT
ASPH	4-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-30A/CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE A OR D
AP	3-INCHES ASPHALTIC SURFACE	CG-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
HMA-S	HMA PAVEMENT 3 1/2-INCH (SHOULDER)	SN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED & TINED)		STORM SEWER INLET
OVR	HMA OVERLAY 4-INCH		STORM SEWER MANHOLE
X	TREE CUT DOWN BY OTHERS		REVERSE SLOPE GUTTER
XX XX	DRIVEWAY REMOVAL		CONCRETE PAVEMENT HES 8 1/2-INCH

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 35	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021202-pd

PLOT DATE : 7/12/2024 10:35 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

END CONSTRUCTION
STA 27+00.00 A

BEGIN CONSTRUCTION
STA 16+01.00 A

STH 100

STH 36
(LOOMIS ROAD)

MATCHLINE STA. 115+50

MATCHLINE STA. 121+50

STA 118+15.50
-89.50' LT

STA 118+01.52
-89.76' LT

STA 119+17.23
-88.49' LT

STA 118+69.24
-89.96' LT

STA 118+15.84
-53.77' LT

STA 118+15.16
126.08' RT

STA 118+15.85, 70.10' RT

BASE PATCHING CONCRETE SHES REQ'D (TYP.)

ADJUSTING INLET COVERS REQ'D

SLOPE INTERCEPT (TYP.)

407+00 SB

408+00 SB

409+00 SB

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
C01	118+03.51	83.84' LT	245,191.16	571,544.04	---
C02	117+77.49	54.64' LT	245,195.95	571,505.24	---
C03	119+15.47	83.89' LT	245,103.19	571,607.71	---
C04	119+42.43	54.54' LT	245,063.99	571,600.47	---
C05	119+38.08	54.49' RT	245,001.92	571,510.73	---
C06	119+12.82	71.09' RT	245,012.12	571,482.28	---
C07	117+79.62	56.22' RT	245,131.13	571,415.27	---
C08	117+97.96	60.45' RT	245,113.64	571,422.23	---
C09	117+98.35	69.63' RT	245,108.09	571,414.90	---
C10	117+78.81	69.70' RT	245,124.12	571,403.73	---
C11	117+74.08	83.44' RT	245,120.19	571,389.74	---
C12	117+89.45	91.90' RT	245,102.74	571,391.52	---
C13	115+52.80	73.88' RT	245,307.61	571,271.70	---
C14	115+74.64	73.89' RT	245,289.65	571,284.12	---
C15	116+04.10	73.90' RT	245,265.42	571,300.87	---
C16	116+23.68	73.90' RT	245,249.31	571,312.01	---

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
C20	115+70.66	54.12' RT	245,304.17	571,298.11	---
C21	115+93.75	54.26' RT	245,285.10	571,311.14	---
C22	116+09.46	55.55' RT	245,271.45	571,319.02	---
C23	120+75.25	74.50' LT	244,969.87	571,696.27	---
C24	121+11.25	74.50' LT	244,941.10	571,717.92	---
C25	120+65.17	61.96' RT	244,895.88	571,581.17	---
C26	121+14.19	61.49' RT	244,856.99	571,611.02	---
C27	21+58.26 A	71.49' RT	245,113.87	571,652.75	---
C28	21+58.22 A	66.49' RT	245,117.95	571,649.86	---
C29	21+52.67 A	71.54' RT	245,110.64	571,648.18	---
C30	21+42.66 A	73.74' RT	245,103.13	571,641.20	---
C31	21+28.91 A	79.92' RT	245,090.22	571,633.42	---
C32	21+10.85 A	82.01' RT	245,078.22	571,619.77	---
C33	118+01.98	217.98' RT	245,020.71	571,294.97	---
C34	118+42.17	217.27' RT	244,988.05	571,318.42	---

LEGEND

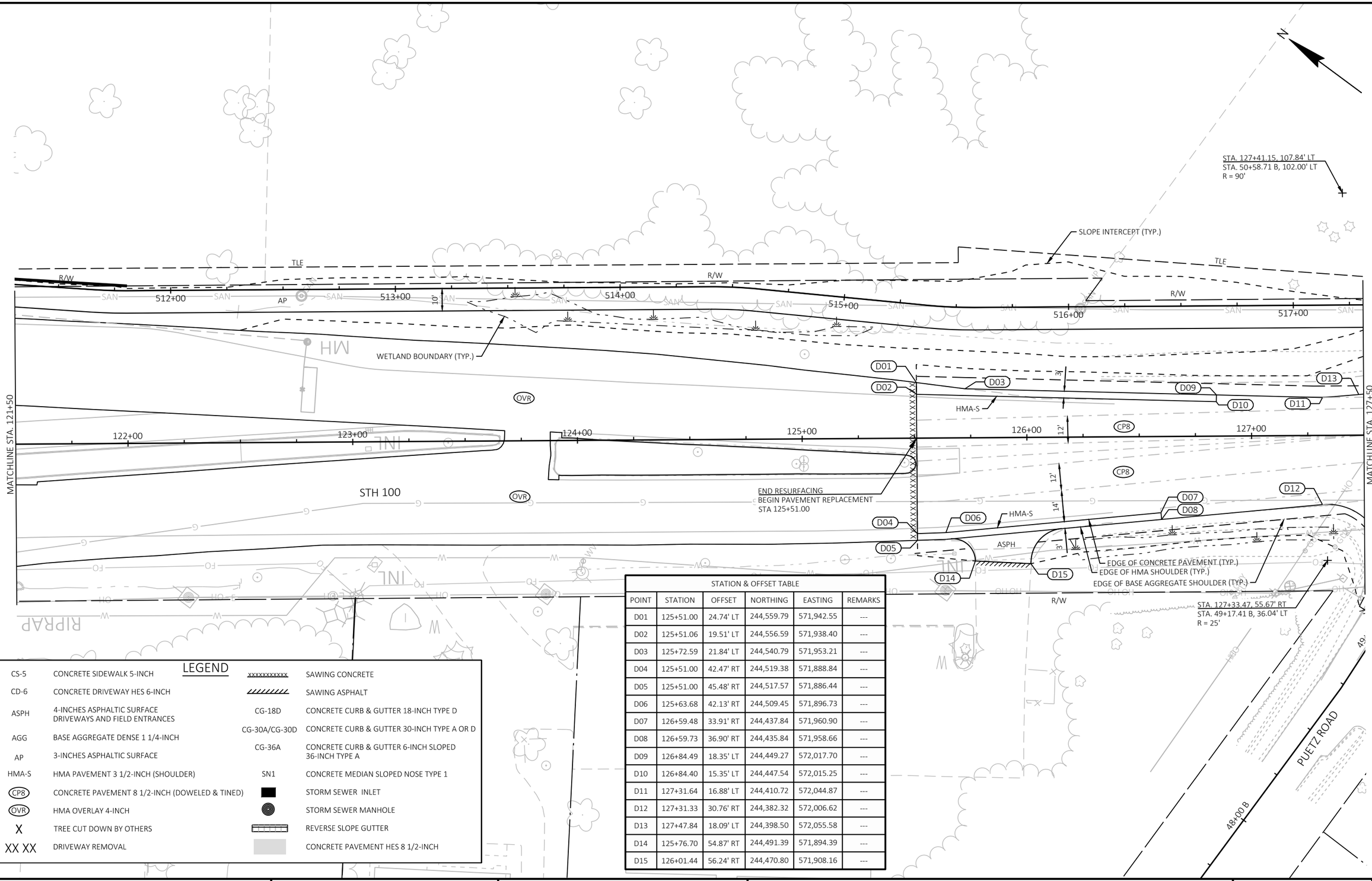
CS-5	CONCRETE SIDEWALK 5-INCH	xxxxxxxxxx	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY HES 6-INCH		SAWING ASPHALT
ASPH	4-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-30A/CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE A OR D
AP	3-INCHES ASPHALTIC SURFACE	CG-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
HMA-S	HMA PAVEMENT 3 1/2-INCH (SHOULDER)	SN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED & TINED)		STORM SEWER INLET
OVR	HMA OVERLAY 4-INCH		STORM SEWER MANHOLE
X	TREE CUT DOWN BY OTHERS		REVERSE SLOPE GUTTER
XX XX	DRIVEWAY REMOVAL		CONCRETE PAVEMENT HES 8 1/2-INCH

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 36	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021203-pd

PLOT DATE : 7/12/2024 10:36 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	xxxxxxxxxx	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY HES 6-INCH		SAWING ASPHALT
ASPH	4-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-30A/CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE A OR D
AP	3-INCHES ASPHALTIC SURFACE	CG-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
HMA-S	HMA PAVEMENT 3 1/2-INCH (SHOULDER)	SN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED & TINED)		STORM SEWER INLET
OVR	HMA OVERLAY 4-INCH		STORM SEWER MANHOLE
X	TREE CUT DOWN BY OTHERS		REVERSE SLOPE GUTTER
XX XX	DRIVEWAY REMOVAL		CONCRETE PAVEMENT HES 8 1/2-INCH

STATION & OFFSET TABLE

POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
D01	125+51.00	24.74' LT	244,559.79	571,942.55	---
D02	125+51.06	19.51' LT	244,556.59	571,938.40	---
D03	125+72.59	21.84' LT	244,540.79	571,953.21	---
D04	125+51.00	42.47' RT	244,519.38	571,888.84	---
D05	125+51.00	45.48' RT	244,517.57	571,886.44	---
D06	125+63.68	42.13' RT	244,509.45	571,896.73	---
D07	126+59.48	33.91' RT	244,437.84	571,960.90	---
D08	126+59.73	36.90' RT	244,435.84	571,958.66	---
D09	126+84.49	18.35' LT	244,449.27	572,017.70	---
D10	126+84.40	15.35' LT	244,447.54	572,015.25	---
D11	127+31.64	16.88' LT	244,410.72	572,044.87	---
D12	127+31.33	30.76' RT	244,382.32	572,006.62	---
D13	127+47.84	18.09' LT	244,398.50	572,055.58	---
D14	125+76.70	54.87' RT	244,491.39	571,894.39	---
D15	126+01.44	56.24' RT	244,470.80	571,908.16	---

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 37	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021204-pd
PLOT DATE : 7/12/2024 10:37 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
E01	49+08.00 B	10.00' RT	244,319.11	571,981.42	---
E02	49+08.00 B	10.00' LT	244,339.08	571,980.20	---
E03	128+14.64	55.88' LT	244,367.85	572,125.94	---
E04	127+93.97	42.74' RT	244,325.07	572,034.71	---
E05	128+25.30	22.70' RT	244,312.08	572,069.56	---
E06	128+67.56	19.07' RT	244,280.49	572,097.86	---
E07	128+67.30	16.08' RT	244,282.49	572,100.10	---
E08	50+82.01 B	28.14' LT	244,384.67	572,148.75	---
E09	50+93.73 B	28.14' LT	244,385.02	572,160.47	---
E10	51+15.00 B	12.00' LT	244,369.51	572,182.21	---
E11	51+15.00 B	12.00' RT	244,345.52	572,182.92	---
E12	127+55.56	67.37' RT	244,340.95	571,991.93	---
E13	128+91.60	14.00' RT	244,264.33	572,116.37	---
E14	128+78.02	17.00' LT	244,293.82	572,132.98	---

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
E15	128+51.92	61.80' LT	244,341.61	572,153.08	---
E16	129+40.14	17.00' LT	244,244.18	572,170.32	---
E17	129+40.14	14.00' LT	244,242.38	572,167.93	---
E18	129+56.47	26.00' RT	244,205.28	572,145.79	---
E19	129+57.71	35.00' RT	244,198.88	572,139.34	---
E20	129+81.02	35.00' RT	244,180.25	572,153.35	---
E21	129+82.25	26.00' RT	244,184.68	572,161.29	---
E22	131+28.97	35.73' RT	244,061.59	572,241.72	---
E23	131+45.76	35.73' LT	244,048.18	572,251.81	---
E24	127+63.12	62.00' LT	244,412.69	572,099.86	---
E25	127+73.58	62.00' LT	244,404.33	572,106.14	---
E26	131+29.30	41.72' RT	244,057.72	572,237.13	---
E27	131+45.42	41.72' RT	244,044.84	572,246.83	---

END CONSTRUCTION
STA 51+15.00 B

BEGIN CONSTRUCTION
STA 49+08.00 B

STA. 128+78.02, 47.00' LT
STA. 50+88.05 B, 44.88' RT
R = 30'

STA. 128+28.72, 62.55' RT
STA. 49+45.10 B, 54.80 RT
R = 40'

PUETZ ROAD

STH 100

MATCHLINE STA. 127+50

MATCHLINE STA. 133+50

LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	xxxxxxxxxx	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY HES 6-INCH		SAWING ASPHALT
ASPH	4-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-30A/CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE A OR D
AP	3-INCHES ASPHALTIC SURFACE	CG-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
HMA-S	HMA PAVEMENT 3 1/2-INCH (SHOULDER)	SN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED & TINED)		STORM SEWER INLET
OVR	HMA OVERLAY 4-INCH		STORM SEWER MANHOLE
X	TREE CUT DOWN BY OTHERS		REVERSE SLOPE GUTTER
XX XX	DRIVEWAY REMOVAL		CONCRETE PAVEMENT HES 8 1/2-INCH

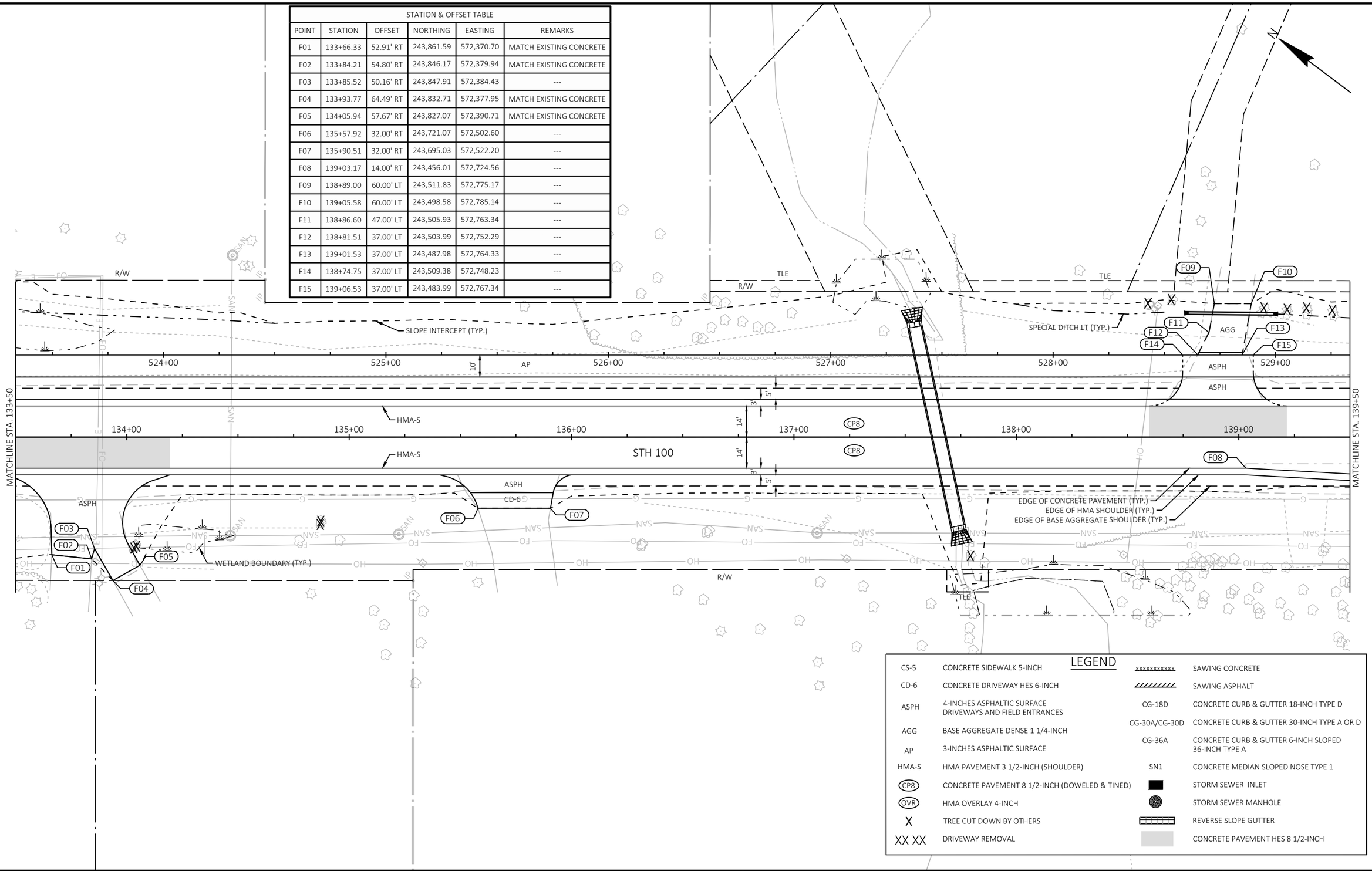
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 38	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021205-pd
PLOT DATE : 7/12/2024 10:39 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
F01	133+66.33	52.91' RT	243,861.59	572,370.70	MATCH EXISTING CONCRETE
F02	133+84.21	54.80' RT	243,846.17	572,379.94	MATCH EXISTING CONCRETE
F03	133+85.52	50.16' RT	243,847.91	572,384.43	---
F04	133+93.77	64.49' RT	243,832.71	572,377.95	MATCH EXISTING CONCRETE
F05	134+05.94	57.67' RT	243,827.07	572,390.71	MATCH EXISTING CONCRETE
F06	135+57.92	32.00' RT	243,721.07	572,502.60	---
F07	135+90.51	32.00' RT	243,695.03	572,522.20	---
F08	139+03.17	14.00' RT	243,456.01	572,724.56	---
F09	138+89.00	60.00' LT	243,511.83	572,775.17	---
F10	139+05.58	60.00' LT	243,498.58	572,785.14	---
F11	138+86.60	47.00' LT	243,505.93	572,763.34	---
F12	138+81.51	37.00' LT	243,503.99	572,752.29	---
F13	139+01.53	37.00' LT	243,487.98	572,764.33	---
F14	138+74.75	37.00' LT	243,509.38	572,748.23	---
F15	139+06.53	37.00' LT	243,483.99	572,767.34	---

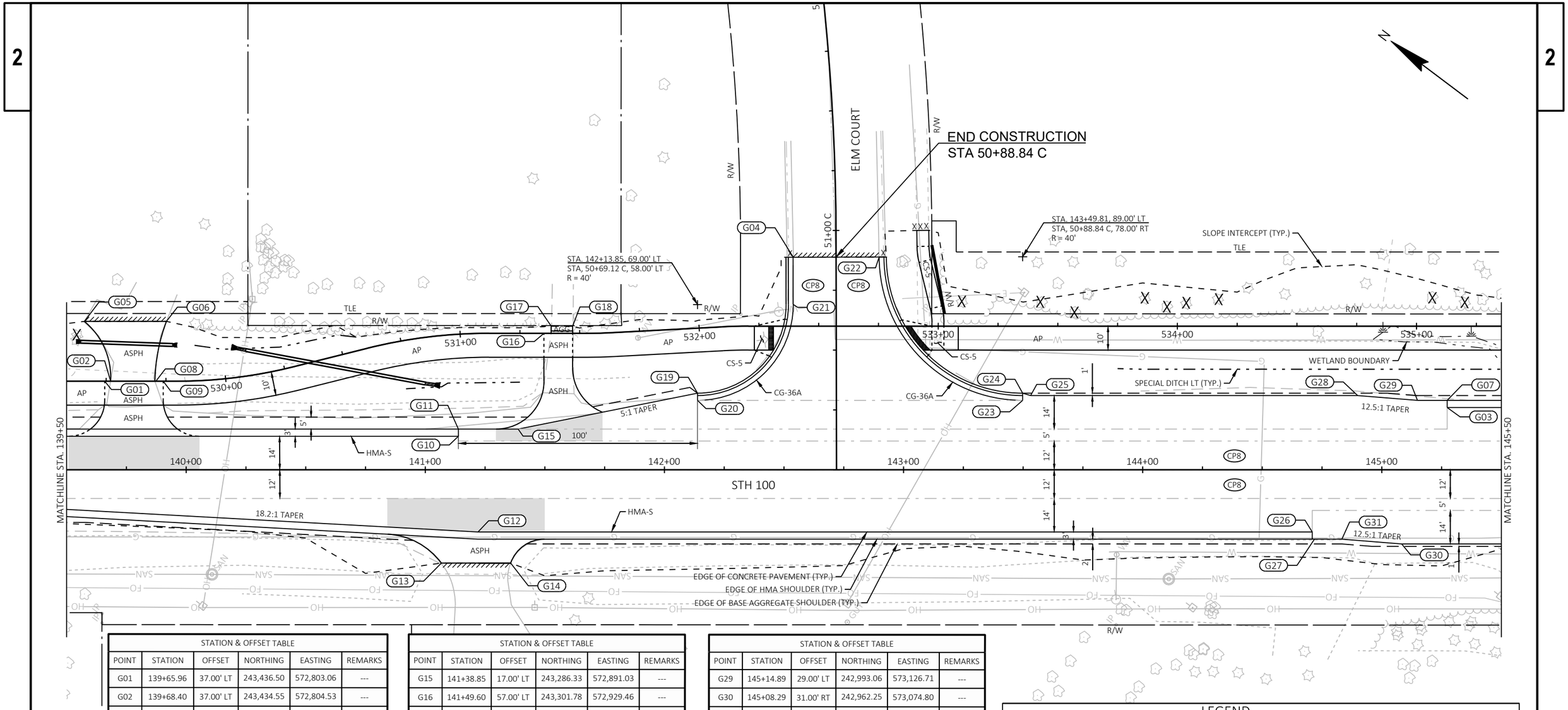


LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	xxxxxxxxxx	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY HES 6-INCH		SAWING ASPHALT
ASPH	4-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-30A/CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE A OR D
AP	3-INCHES ASPHALTIC SURFACE	CG-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
HMA-S	HMA PAVEMENT 3 1/2-INCH (SHOULDER)	SN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED & TINED)		STORM SEWER INLET
OVR	HMA OVERLAY 4-INCH		STORM SEWER MANHOLE
X	TREE CUT DOWN BY OTHERS		REVERSE SLOPE GUTTER
XX XX	DRIVEWAY REMOVAL		CONCRETE PAVEMENT HES 8 1/2-INCH

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 39	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021206-pd
PLOT DATE : 7/12/2024 10:40 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
G01	139+65.96	37.00' LT	243,436.50	572,803.06	---
G02	139+68.40	37.00' LT	243,434.55	572,804.53	---
G03	145+27.31	26.00' LT	242,981.33	573,131.78	---
G04	50+88.84 C	17.94' LT	243,237.59	573,017.56	---
G05	139+57.43	62.00' LT	243,458.34	572,817.92	---
G06	139+91.75	62.00' LT	243,430.93	572,838.55	---
G07	145+27.31	29.00' LT	242,983.13	573,134.17	---
G08	139+87.36	37.00' LT	243,419.40	572,815.93	---
G09	139+90.41	37.00' LT	243,416.97	572,817.76	---
G10	141+13.85	14.00' LT	243,304.50	572,873.60	---
G11	141+13.85	17.00' LT	243,306.30	572,876.00	---
G12	141+22.03	26.00' RT	243,273.91	572,846.56	---
G13	141+06.71	39.00' RT	243,278.34	572,826.96	---
G14	141+35.71	39.00' RT	243,255.17	572,844.39	---

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
G15	141+38.85	17.00' LT	243,286.33	572,891.03	---
G16	141+49.60	57.00' LT	243,301.78	572,929.46	---
G17	141+52.63	60.03' LT	243,301.19	572,933.70	---
G18	141+61.60	60.00' LT	243,293.99	572,939.07	---
G19	142+13.85	32.00' LT	243,235.41	572,948.11	---
G20	142+13.85	29.00' LT	243,233.61	572,945.71	---
G21	142+53.85	69.08' LT	243,225.75	573,001.79	---
G22	142+89.81	88.88' LT	243,208.91	573,039.23	---
G23	143+49.81	29.00' LT	243,124.97	573,027.45	---
G24	143+49.81	32.00' LT	243,126.77	573,029.85	---
G25	143+53.14	31.00' LT	243,123.51	573,031.06	---
G26	144+70.87	26.00' RT	242,995.16	573,056.29	---
G27	144+71.81	29.00' RT	242,992.61	573,054.46	---
G28	144+89.89	31.00' LT	243,014.24	573,113.27	---

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
G29	145+14.89	29.00' LT	242,993.06	573,126.71	---
G30	145+08.29	31.00' RT	242,962.25	573,074.80	---
G31	144+83.29	29.00' RT	242,983.43	573,061.36	---

LEGEND

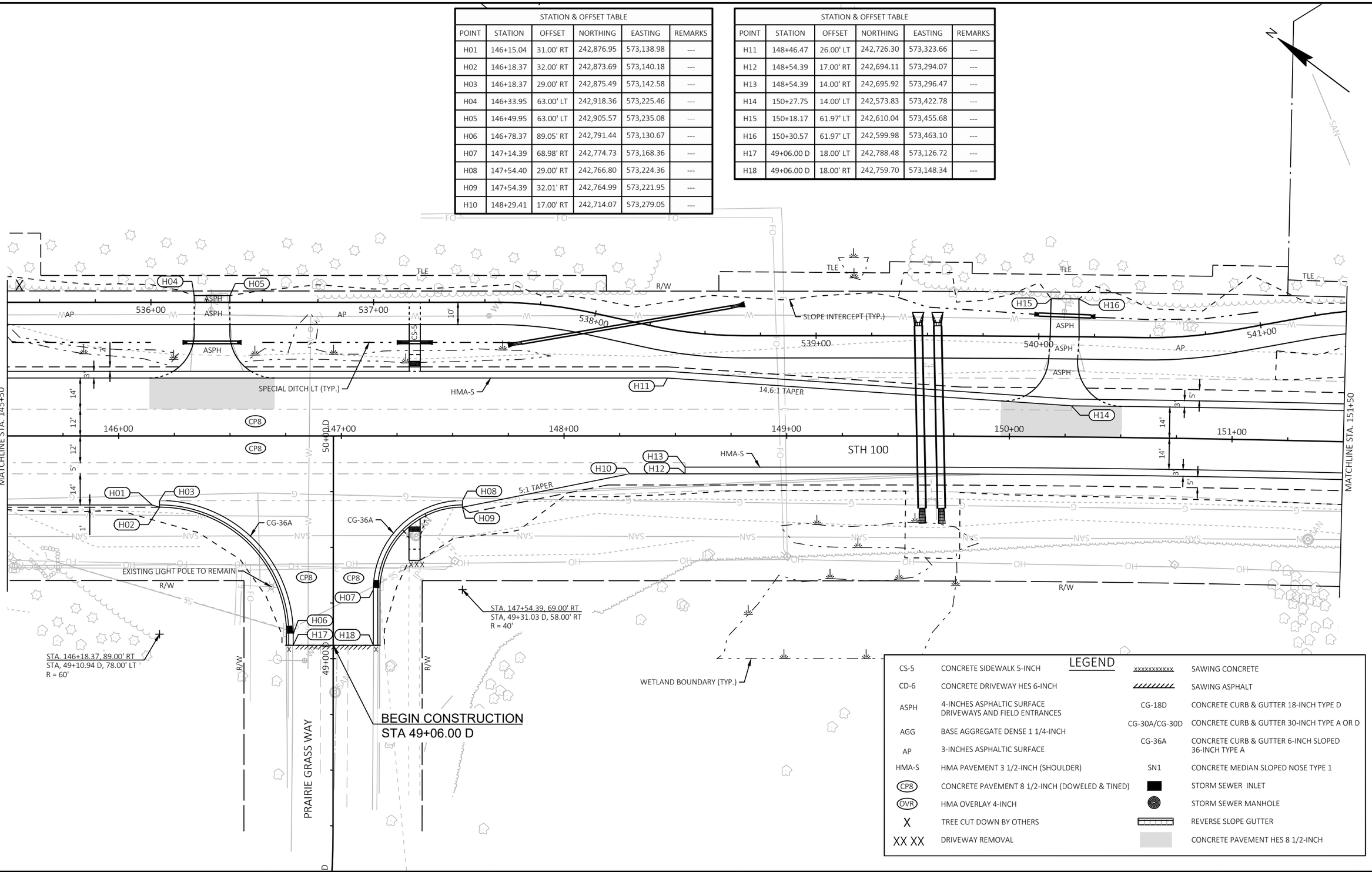
CS-5	CONCRETE SIDEWALK 5-INCH	xxxxxxxxxx	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY HES 6-INCH	//////////	SAWING ASPHALT
ASPH	4-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-30A/CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE A OR D
AP	3-INCHES ASPHALTIC SURFACE	CG-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
HMA-S	HMA PAVEMENT 3 1/2-INCH (SHOULDER)	SN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED & TINED)	■	STORM SEWER INLET
OVR	HMA OVERLAY 4-INCH	◎	STORM SEWER MANHOLE
X	TREE CUT DOWN BY OTHERS	▭	REVERSE SLOPE GUTTER
XX XX	DRIVEWAY REMOVAL	▭	CONCRETE PAVEMENT HES 8 1/2-INCH

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 40	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021207-pd
PLOT DATE : 7/12/2024 10:41 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
H01	146+15.04	31.00' RT	242,876.95	573,138.98	---
H02	146+18.37	32.00' RT	242,873.69	573,140.18	---
H03	146+18.37	29.00' RT	242,875.49	573,142.58	---
H04	146+33.95	63.00' LT	242,918.36	573,225.46	---
H05	146+49.95	63.00' LT	242,905.57	573,235.08	---
H06	146+78.37	89.05' RT	242,791.44	573,130.67	---
H07	147+14.39	68.98' RT	242,774.73	573,168.36	---
H08	147+54.40	29.00' RT	242,766.80	573,224.36	---
H09	147+54.39	32.01' RT	242,764.99	573,221.95	---
H10	148+29.41	17.00' RT	242,714.07	573,279.05	---

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
H11	148+46.47	26.00' LT	242,726.30	573,323.66	---
H12	148+54.39	17.00' RT	242,694.11	573,294.07	---
H13	148+54.39	14.00' RT	242,695.92	573,296.47	---
H14	150+27.75	14.00' LT	242,573.83	573,422.78	---
H15	150+18.17	61.97' LT	242,610.04	573,455.68	---
H16	150+30.57	61.97' LT	242,599.98	573,463.10	---
H17	49+06.00 D	18.00' LT	242,788.48	573,126.72	---
H18	49+06.00 D	18.00' RT	242,759.70	573,148.34	---



LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	xxxxxxxxxx	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY HES 6-INCH		SAWING ASPHALT
ASPH	4-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-30A/CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE A OR D
AP	3-INCHES ASPHALTIC SURFACE	CG-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
HMA-S	HMA PAVEMENT 3 1/2-INCH (SHOULDER)	SN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED & TINED)		STORM SEWER INLET
OVR	HMA OVERLAY 4-INCH		STORM SEWER MANHOLE
X	TREE CUT DOWN BY OTHERS		REVERSE SLOPE GUTTER
XX XX	DRIVEWAY REMOVAL		CONCRETE PAVEMENT HES 8 1/2-INCH

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 41	E

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
I01	152+84.00	63.00' LT	242,392.77	573,612.16	---
I02	152+96.90	63.01' LT	242,382.08	573,619.56	---
I03	153+78.56	60.00' LT	242,312.43	573,663.41	---
I04	153+84.19	60.00' LT	242,307.73	573,666.58	---
I05	153+93.83	73.72' LT	242,307.34	573,683.39	---
I06	154+07.16	65.04' LT	242,291.35	573,683.68	---
I07	154+03.93	60.00' LT	242,291.24	573,677.68	---
I08	154+50.10	14.00' RT	242,211.67	573,641.80	---
I09	154+50.10	17.00' RT	242,210.01	573,639.30	---
I10	155+15.39	17.00' RT	242,155.57	573,675.10	---
I11	155+14.84	25.75' RT	242,151.25	573,667.47	---
I12	155+46.79	29.75' RT	242,122.36	573,681.47	---
I13	156+46.21	64.99' RT	242,020.06	573,705.00	---
I14	156+91.38	66.69' RT	241,981.19	573,727.37	---

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
I15	157+06.11	17.00' RT	241,995.00	573,777.30	---
I16	156+46.81	37.00' LT	242,073.97	573,791.59	---
I17	156+51.79	37.00' LT	242,069.74	573,794.25	---
I18	156+49.64	57.87' LT	242,082.69	573,810.75	---
I19	156+58.51	59.06' LT	242,075.76	573,816.52	---
I20	156+61.46	37.00' LT	242,061.52	573,799.42	---
I21	156+64.45	37.00' LT	242,058.98	573,801.02	---
I22	156+96.80	46.19' LT	242,036.28	573,826.04	---
I23	157+07.77	45.95' LT	242,026.79	573,831.66	---
I24	48+56.00 E	11.00' LT	241,977.37	573,704.30	---
I25	48+56.00 E	12.00' RT	241,977.00	573,727.30	---
I26	157+49.30	17.00' RT	241,958.32	573,799.95	---
I27	157+49.30	14.00' RT	241,959.89	573,802.51	---

SLOPE INTERCEPT (TYP.)
SPECIAL DITCH LT (TYP.)
WETLAND BOUNDARY
MATCHLINE STA. 151+50
MATCHLINE STA. 157+50
STH 100
HMA-S
ASPH
AGG
AP
CP8
R/W
EDGE OF CONCRETE PAVEMENT (TYP.)
EDGE OF HMA SHOULDER (TYP.)
EDGE OF BASE AGGREGATE SHOULDER (TYP.)
EX. EASEMENT
92ND STREET
49+00 E
48+00 E
STA. 157+06.11, 44.00' RT
STA, 48+60.20 E, 39.00' RT
R = 27'
STA. 154+75.83, 314.48' RT
STA, 48+98.70 E, 311.00' LT
R = 300'
BEGIN CONSTRUCTION
STA 48+56.00 E

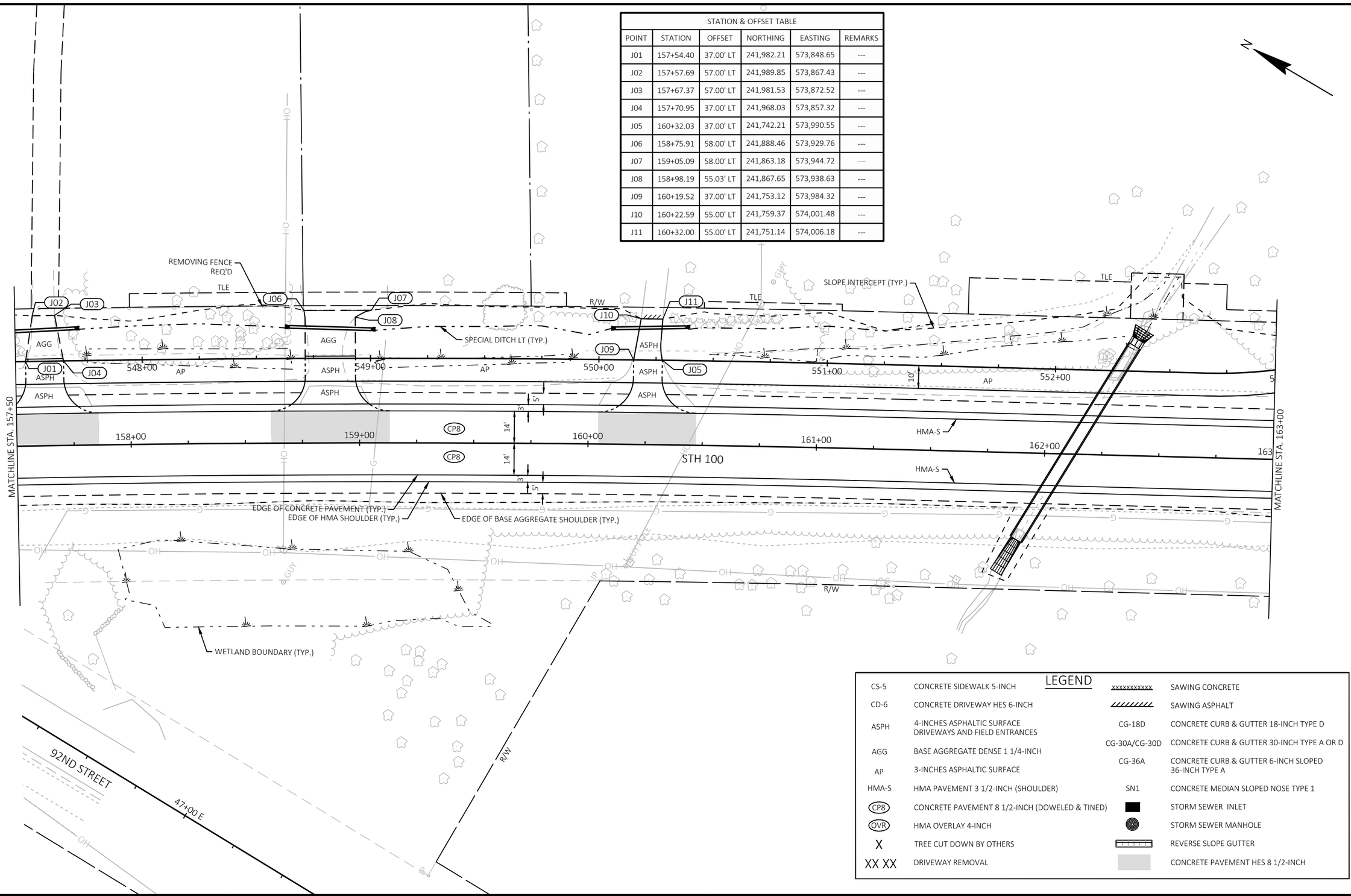
LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	xxxxxxxxxx	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY HES 6-INCH		SAWING ASPHALT
ASPH	4-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-30A/CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE A OR D
AP	3-INCHES ASPHALTIC SURFACE	CG-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
HMA-S	HMA PAVEMENT 3 1/2-INCH (SHOULDER)	SN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED & TINED)		STORM SEWER INLET
OVR	HMA OVERLAY 4-INCH		STORM SEWER MANHOLE
X	TREE CUT DOWN BY OTHERS		REVERSE SLOPE GUTTER
XX XX	DRIVEWAY REMOVAL		CONCRETE PAVEMENT HES 8 1/2-INCH

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 42	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021209-pd
PLOT DATE : 7/12/2024 10:44 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
J01	157+54.40	37.00' LT	241,982.21	573,848.65	---
J02	157+57.69	57.00' LT	241,989.85	573,867.43	---
J03	157+67.37	57.00' LT	241,981.53	573,872.52	---
J04	157+70.95	37.00' LT	241,968.03	573,857.32	---
J05	160+32.03	37.00' LT	241,742.21	573,990.55	---
J06	158+75.91	58.00' LT	241,888.46	573,929.76	---
J07	159+05.09	58.00' LT	241,863.18	573,944.72	---
J08	158+98.19	55.03' LT	241,867.65	573,938.63	---
J09	160+19.52	37.00' LT	241,753.12	573,984.32	---
J10	160+22.59	55.00' LT	241,759.37	574,001.48	---
J11	160+32.00	55.00' LT	241,751.14	574,006.18	---



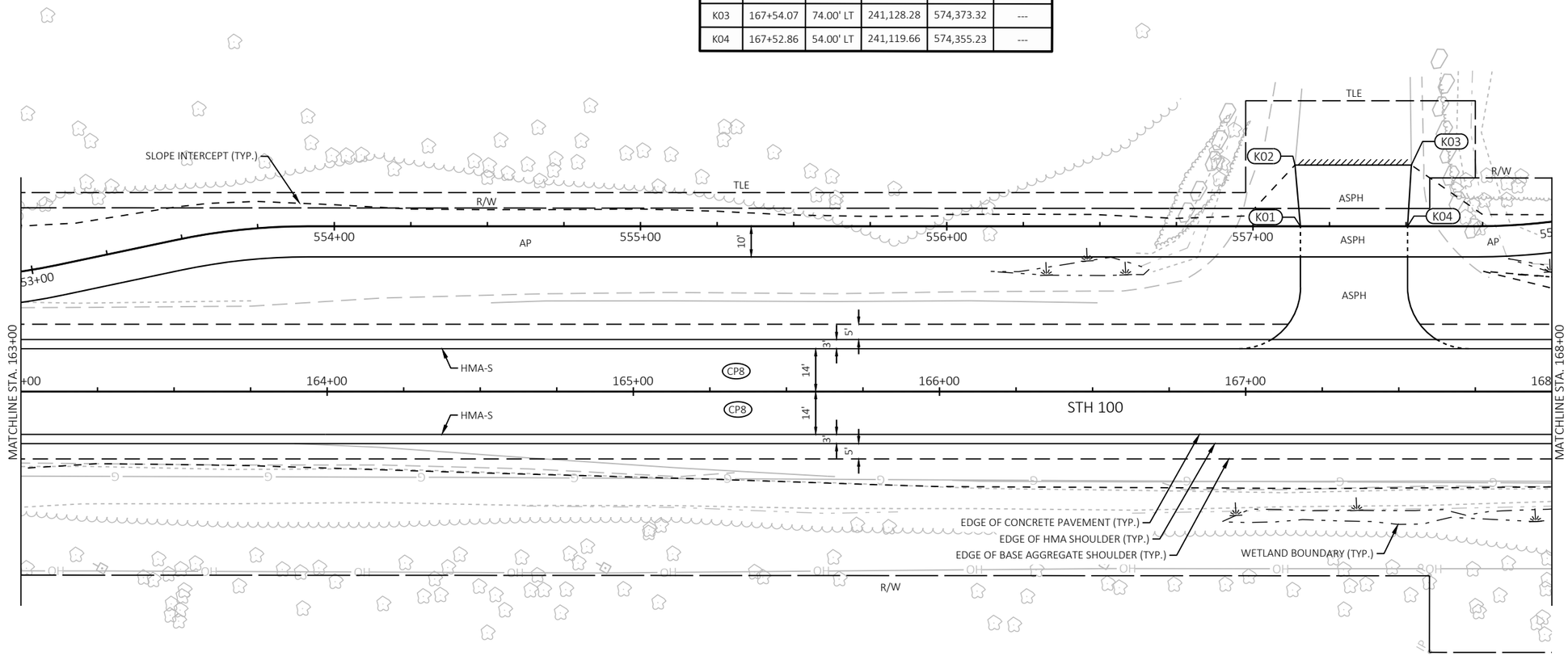
LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	xxxxxxxxxx	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY HES 6-INCH		SAWING ASPHALT
ASPH	4-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-30A/CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE A OR D
AP	3-INCHES ASPHALTIC SURFACE	CG-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
HMA-S	HMA PAVEMENT 3 1/2-INCH (SHOULDER)	SN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED & TINED)		STORM SEWER INLET
OVR	HMA OVERLAY 4-INCH		STORM SEWER MANHOLE
X	TREE CUT DOWN BY OTHERS		REVERSE SLOPE GUTTER
XX XX	DRIVEWAY REMOVAL		CONCRETE PAVEMENT HES 8 1/2-INCH

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 43	E

2

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
K01	167+17.86	54.00' LT	241,150.28	574,338.28	---
K02	167+16.08	74.00' LT	241,161.53	574,354.92	---
K03	167+54.07	74.00' LT	241,128.28	574,373.32	---
K04	167+52.86	54.00' LT	241,119.66	574,355.23	---



LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	xxxxxxxxxx	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY HES 6-INCH		SAWING ASPHALT
ASPH	4-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
		CG-30A/CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE A OR D
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
AP	3-INCHES ASPHALTIC SURFACE		
HMA-S	HMA PAVEMENT 3 1/2-INCH (SHOULDER)	SN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED & TINED)		STORM SEWER INLET
OVR	HMA OVERLAY 4-INCH		STORM SEWER MANHOLE
X	TREE CUT DOWN BY OTHERS		REVERSE SLOPE GUTTER
XX XX	DRIVEWAY REMOVAL		CONCRETE PAVEMENT HES 8 1/2-INCH

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 44	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021211-pd
PLOT DATE : 7/12/2024 10:47 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

PROTECT HEIGHT
MODERNIZATION
SURVEY STATION
1Y45
PID DF9538
X = 574,384.06
Y = 241,073.10

HMOD

8+00

TLE

R/W

SLOPE INTERCEPT (TYP.)

559+00 560+00 561+00 562+00 563+00 56

10'

AP

SPECIAL DITCH LT

MATCHLINE STA. 168+00

+00 169+00 170+00 171+00 172+00 173+00 174

MATCHLINE STA. 174+00

14'
3'
5'

CP8

HMA-S

STH 100

EDGE OF CONCRETE PAVEMENT (TYP.)
EDGE OF HMA SHOULDER (TYP.)
EDGE OF BASE AGGREGATE SHOULDER (TYP.)

WETLAND BOUNDARY (TYP.)

OH

R/W

LEGEND

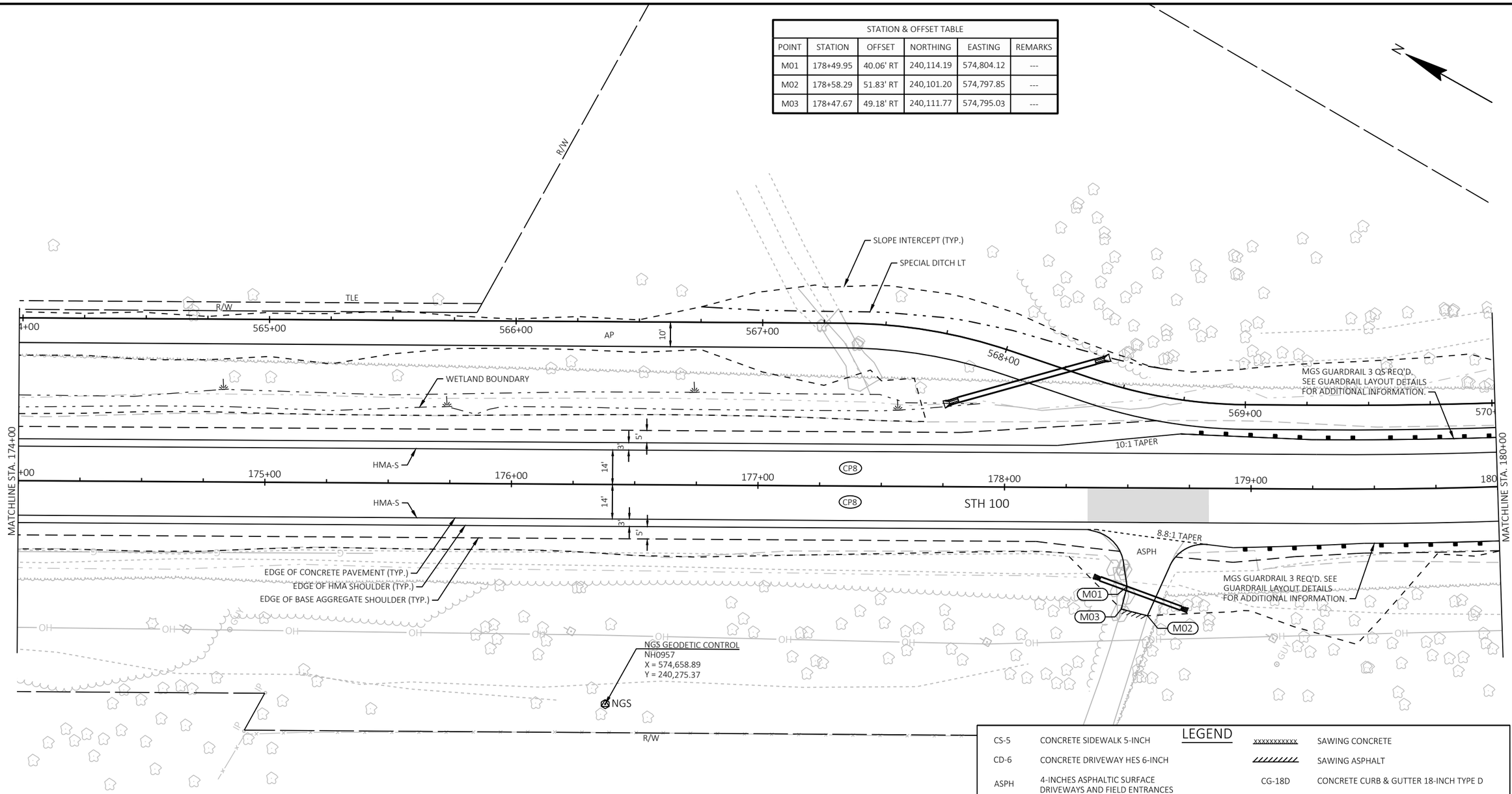
CS-5	CONCRETE SIDEWALK 5-INCH	xxxxxxxxxx	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY HES 6-INCH		SAWING ASPHALT
ASPH	4-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-30A/CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE A OR D
AP	3-INCHES ASPHALTIC SURFACE	CG-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
HMA-S	HMA PAVEMENT 3 1/2-INCH (SHOULDER)	SN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED & TINED)		STORM SEWER INLET
OVR	HMA OVERLAY 4-INCH		STORM SEWER MANHOLE
X	TREE CUT DOWN BY OTHERS		REVERSE SLOPE GUTTER
XX XX	DRIVEWAY REMOVAL		CONCRETE PAVEMENT HES 8 1/2-INCH

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 45	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021212-pd
PLOT DATE : 7/12/2024 10:48 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

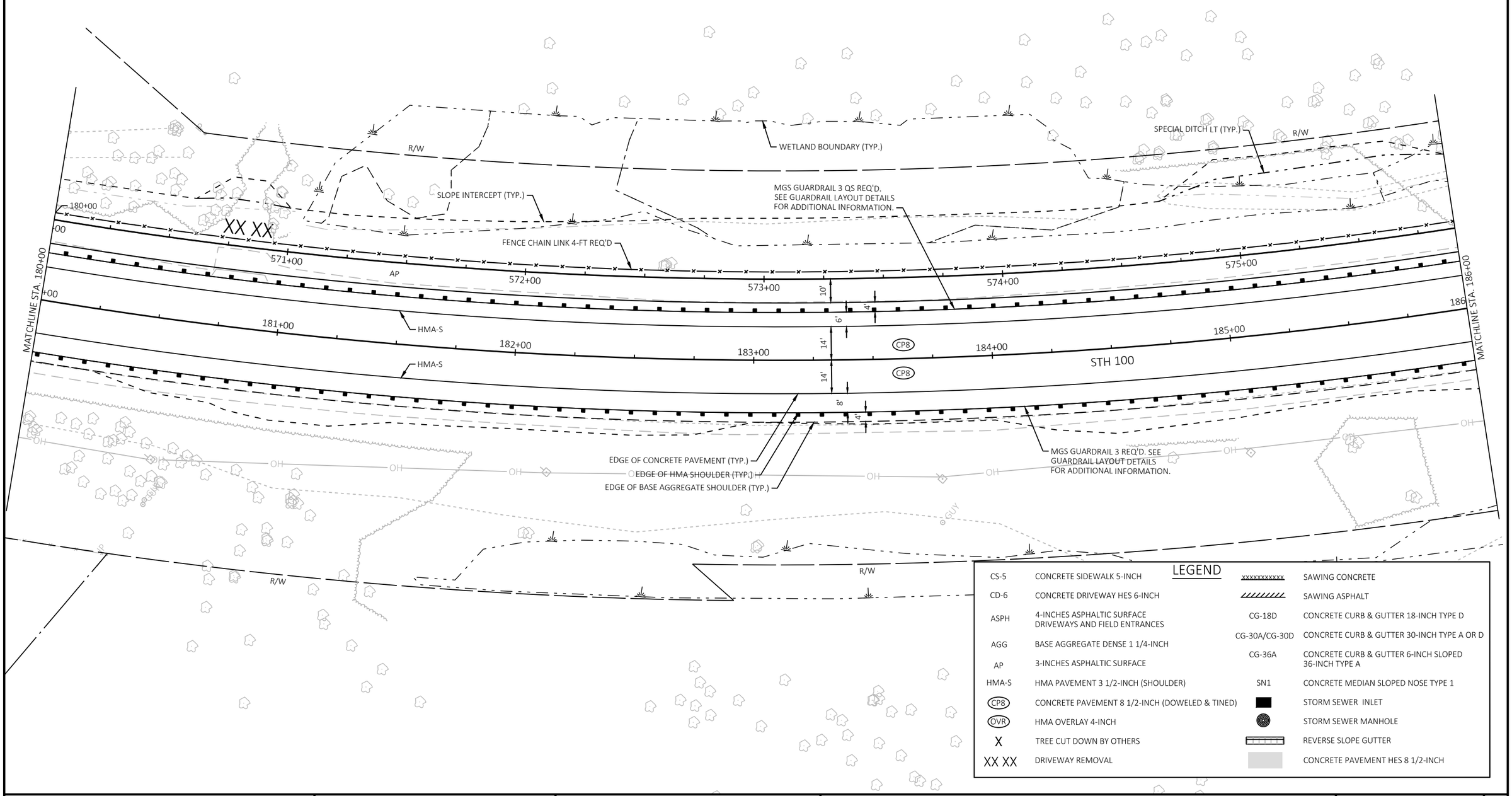
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
M01	178+49.95	40.06' RT	240,114.19	574,804.12	---
M02	178+58.29	51.83' RT	240,101.20	574,797.85	---
M03	178+47.67	49.18' RT	240,111.77	574,795.03	---



LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	xxxxxxxxxx	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY HES 6-INCH		SAWING ASPHALT
ASPH	4-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-30A/CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE A OR D
AP	3-INCHES ASPHALTIC SURFACE	CG-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
HMA-S	HMA PAVEMENT 3 1/2-INCH (SHOULDER)	SN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED & TINED)		STORM SEWER INLET
OVR	HMA OVERLAY 4-INCH		STORM SEWER MANHOLE
X	TREE CUT DOWN BY OTHERS		REVERSE SLOPE GUTTER
XX XX	DRIVEWAY REMOVAL		CONCRETE PAVEMENT HES 8 1/2-INCH

2



LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	xxxxxxxxxx	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY HES 6-INCH		SAWING ASPHALT
ASPH	4-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-30A/CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE A OR D
AP	3-INCHES ASPHALTIC SURFACE	CG-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
HMA-S	HMA PAVEMENT 3 1/2-INCH (SHOULDER)	SN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED & TINED)		STORM SEWER INLET
OVR	HMA OVERLAY 4-INCH		STORM SEWER MANHOLE
X	TREE CUT DOWN BY OTHERS		REVERSE SLOPE GUTTER
XX XX	DRIVEWAY REMOVAL		CONCRETE PAVEMENT HES 8 1/2-INCH

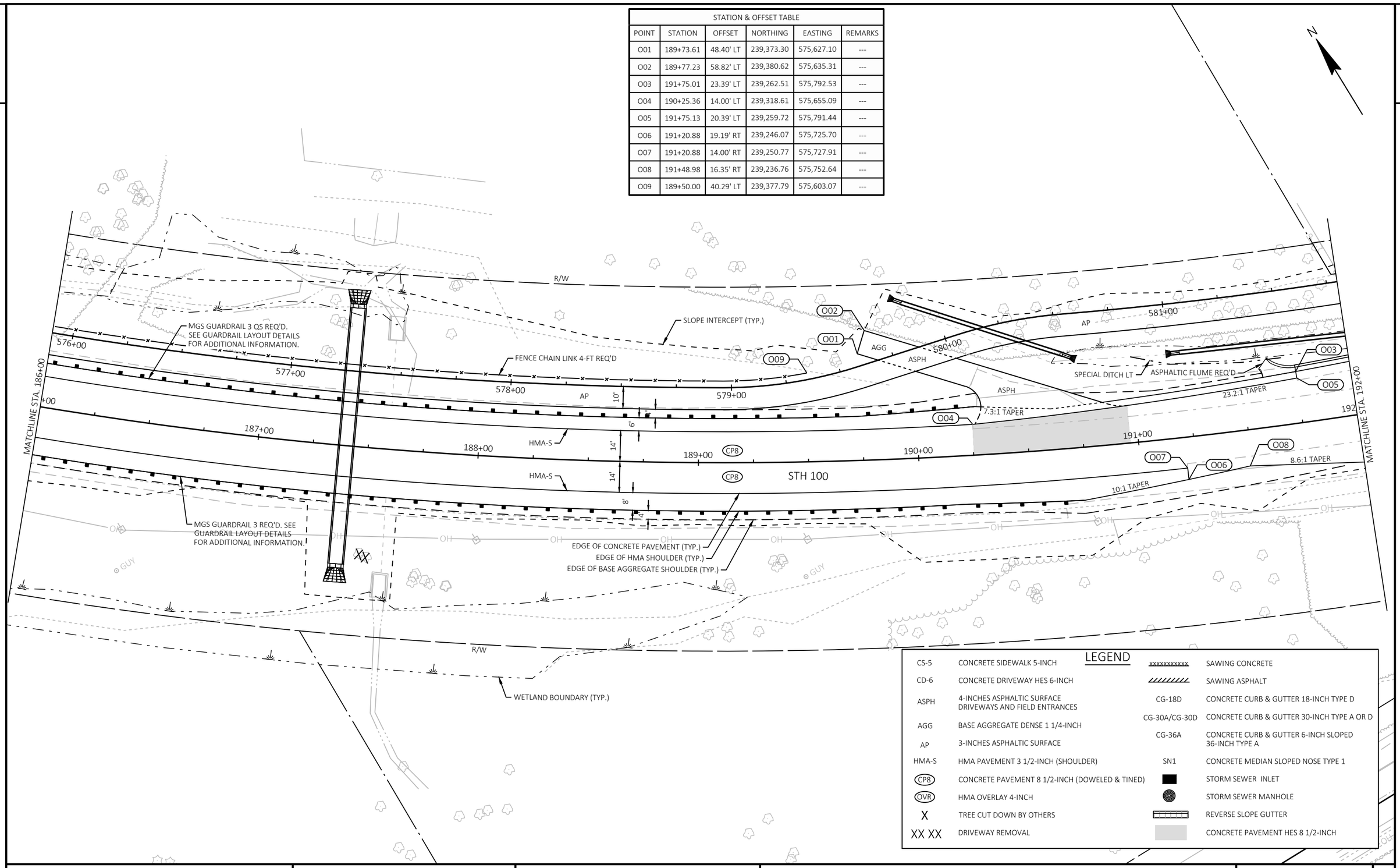
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 47	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021214-pd

PLOT DATE : 7/12/2024 10:51 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
O01	189+73.61	48.40' LT	239,373.30	575,627.10	---
O02	189+77.23	58.82' LT	239,380.62	575,635.31	---
O03	191+75.01	23.39' LT	239,262.51	575,792.53	---
O04	190+25.36	14.00' LT	239,318.61	575,655.09	---
O05	191+75.13	20.39' LT	239,259.72	575,791.44	---
O06	191+20.88	19.19' RT	239,246.07	575,725.70	---
O07	191+20.88	14.00' RT	239,250.77	575,727.91	---
O08	191+48.98	16.35' RT	239,236.76	575,752.64	---
O09	189+50.00	40.29' LT	239,377.79	575,603.07	---



LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	xxxxxxxxxx	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY HES 6-INCH		SAWING ASPHALT
ASPH	4-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-30A/CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE A OR D
AP	3-INCHES ASPHALTIC SURFACE	CG-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
HMA-S	HMA PAVEMENT 3 1/2-INCH (SHOULDER)	SN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED & TINED)		STORM SEWER INLET
OVR	HMA OVERLAY 4-INCH		STORM SEWER MANHOLE
X	TREE CUT DOWN BY OTHERS		REVERSE SLOPE GUTTER
XX XX	DRIVEWAY REMOVAL		CONCRETE PAVEMENT HES 8 1/2-INCH

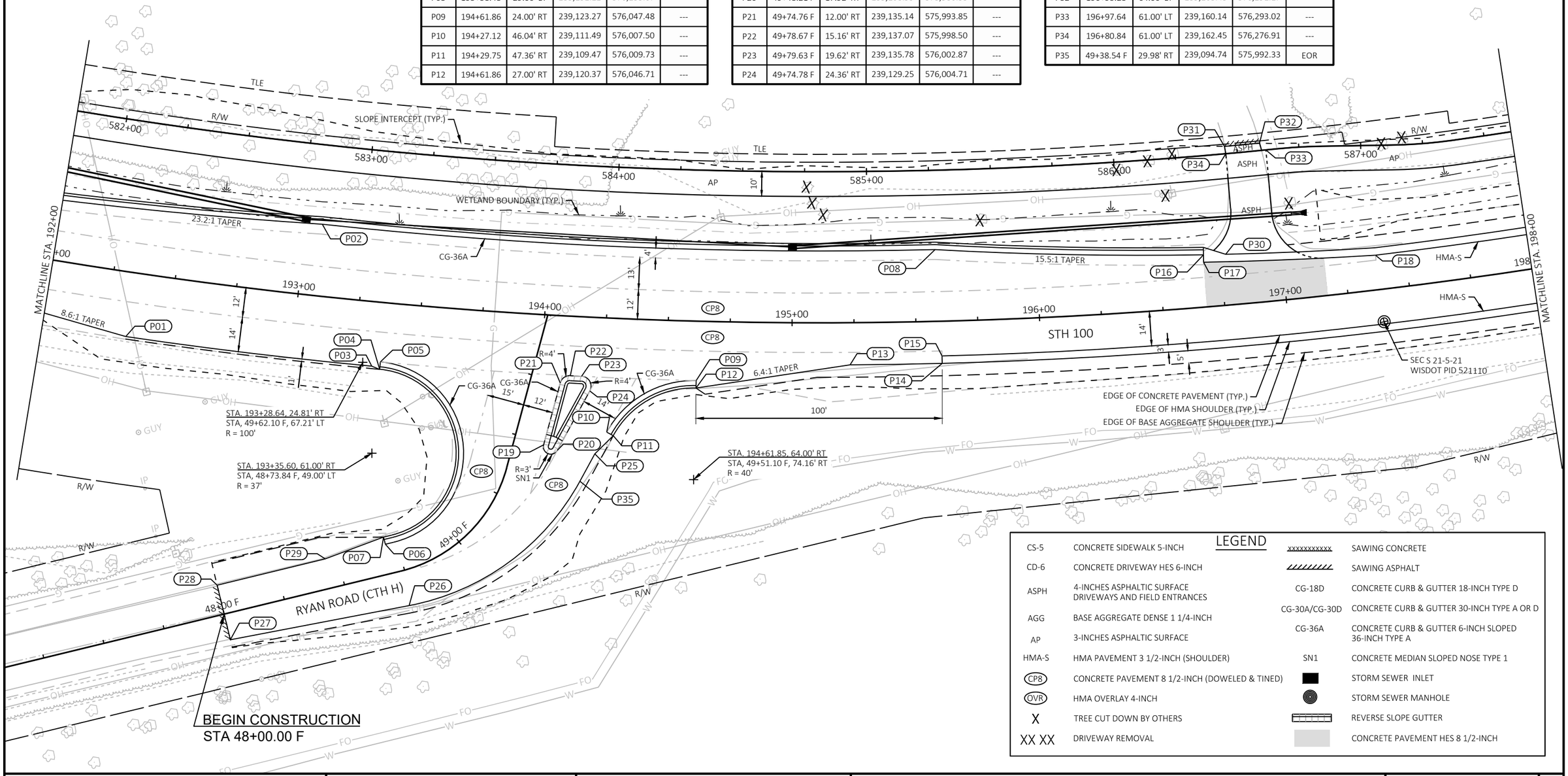
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 48	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021215-pd
PLOT DATE : 7/12/2024 10:52 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
P01	192+33.58	26.00' RT	239,194.33	575,827.54	---
P02	193+06.72	29.00' LT	239,219.90	575,915.35	---
P03	193+32.34	26.00' RT	239,159.54	575,921.39	---
P04	193+35.60	27.00' RT	239,157.53	575,924.19	---
P05	193+35.60	24.00' RT	239,160.37	575,925.15	---
P06	193+43.95	97.12' RT	239,088.32	575,909.95	---
P07	193+43.04	94.28' RT	239,091.32	575,909.94	---
P08	195+58.48	29.00' LT	239,152.22	576,153.67	---
P09	194+61.86	24.00' RT	239,123.27	576,047.48	---
P10	194+27.12	46.04' RT	239,111.49	576,007.50	---
P11	194+29.75	47.36' RT	239,109.47	576,009.73	---
P12	194+61.86	27.00' RT	239,120.37	576,046.71	---

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
P13	195+23.33	17.00' RT	239,114.97	576,109.45	---
P14	195+60.23	17.00' RT	239,106.87	576,145.77	---
P15	195+60.23	14.00' RT	239,109.80	576,146.40	---
P16	196+68.12	21.11' LT	239,124.87	576,258.65	---
P17	196+67.93	18.12' LT	239,121.94	576,258.00	---
P18	197+37.87	14.00' LT	239,108.51	576,326.17	---
P19	49+48.91 F	12.00' RT	239,112.44	575,981.49	---
P20	49+48.21 F	17.92' RT	239,108.99	575,986.35	---
P21	49+74.76 F	12.00' RT	239,135.14	575,993.85	---
P22	49+78.67 F	15.16' RT	239,137.07	575,998.50	---
P23	49+79.63 F	19.62' RT	239,135.78	576,002.87	---
P24	49+74.78 F	24.36' RT	239,129.25	576,004.71	---

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
P25	49+50.79 F	32.95' RT	239,104.08	576,000.79	---
P26	48+73.39 F	14.34' RT	239,062.00	575,913.53	EOR
P27	48+00.00 F	10.67' RT	239,065.45	575,840.09	---
P28	48+00.00 F	12.00' LT	239,088.12	575,840.02	---
P29	48+44.93 F	12.00' LT	239,088.25	575,884.95	---
P30	196+77.18	20.54' LT	239,122.95	576,267.42	---
P31	196+80.57	64.00' LT	239,165.45	576,277.10	---
P32	196+95.28	64.00' LT	239,163.43	576,291.17	---
P33	196+97.64	61.00' LT	239,160.14	576,293.02	---
P34	196+80.84	61.00' LT	239,162.45	576,276.91	---
P35	49+38.54 F	29.98' RT	239,094.74	575,992.33	EOR



LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	xxxxxxxxxx	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY HES 6-INCH		SAWING ASPHALT
ASPH	4-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-30A/CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE A OR D
AP	3-INCHES ASPHALTIC SURFACE	CG-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
HMA-S	HMA PAVEMENT 3 1/2-INCH (SHOULDER)	SN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED & TINED)		STORM SEWER INLET
OVR	HMA OVERLAY 4-INCH		STORM SEWER MANHOLE
X	TREE CUT DOWN BY OTHERS		REVERSE SLOPE GUTTER
XX XX	DRIVEWAY REMOVAL		CONCRETE PAVEMENT HES 8 1/2-INCH

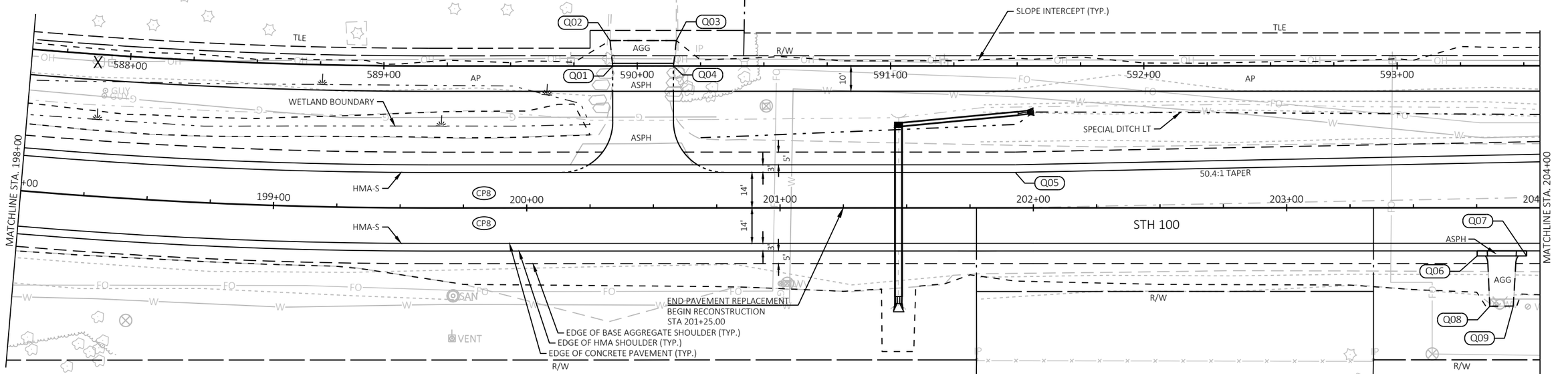
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 49	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021216-pd

PLOT DATE : 7/12/2024 10:54 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
Q01	200+33.93	56.00' LT	239,137.59	576,620.07	---
Q02	200+32.90	66.00' LT	239,147.59	576,619.04	---
Q03	200+59.06	66.00' LT	239,147.59	576,645.21	---
Q04	200+57.93	56.00' LT	239,137.59	576,644.07	---
Q05	201+92.84	14.00' LT	239,095.61	576,778.99	---
Q06	203+75.20	19.00' RT	239,062.64	576,961.35	---
Q07	203+94.69	19.00' RT	239,062.64	576,980.84	---
Q08	203+80.17	38.88' RT	239,042.76	576,966.33	---
Q09	203+89.44	38.77' RT	239,042.88	576,975.60	---



LEGEND

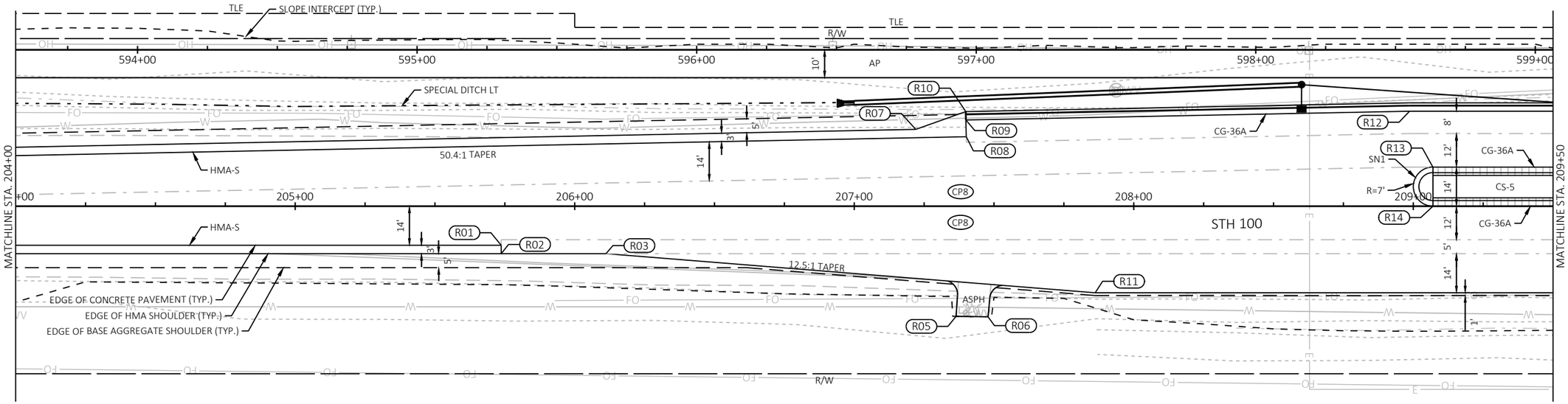
CS-5	CONCRETE SIDEWALK 5-INCH	xxxxxxxxxx	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY HES 6-INCH		SAWING ASPHALT
ASPH	4-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-30A/CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE A OR D
AP	3-INCHES ASPHALTIC SURFACE	CG-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
HMA-S	HMA PAVEMENT 3 1/2-INCH (SHOULDER)	SN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED & TINED)		STORM SEWER INLET
OVR	HMA OVERLAY 4-INCH		STORM SEWER MANHOLE
X	TREE CUT DOWN BY OTHERS		REVERSE SLOPE GUTTER
XX XX	DRIVEWAY REMOVAL		CONCRETE PAVEMENT HES 8 1/2-INCH

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 50	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021217-pd
PLOT DATE : 7/12/2024 10:55 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
R01	205+73.71	14.00' RT	239,067.67	577,159.86	---
R02	205+73.71	17.00' RT	239,064.67	577,159.86	---
R03	206+11.21	17.00' RT	239,064.68	577,197.36	---
R05	207+36.43	39.43' RT	239,042.26	577,322.59	---
R06	207+47.86	39.59' RT	239,042.11	577,334.02	---
R07	207+22.00	27.50' LT	239,109.19	577,308.15	---
R08	207+40.06	24.85' LT	239,106.55	577,326.21	---
R09	207+39.94	30.85' LT	239,112.55	577,326.09	---
R10	207+39.88	33.85' LT	239,115.55	577,326.03	---
R11	207+86.19	31.00' RT	239,050.70	577,372.35	---
R12	208+98.64	34.00' LT	239,115.72	577,484.79	---
R13	209+07.00	14.00' LT	239,095.72	577,493.15	---
R14	209+07.01	0.00' RT	239,081.72	577,493.16	---

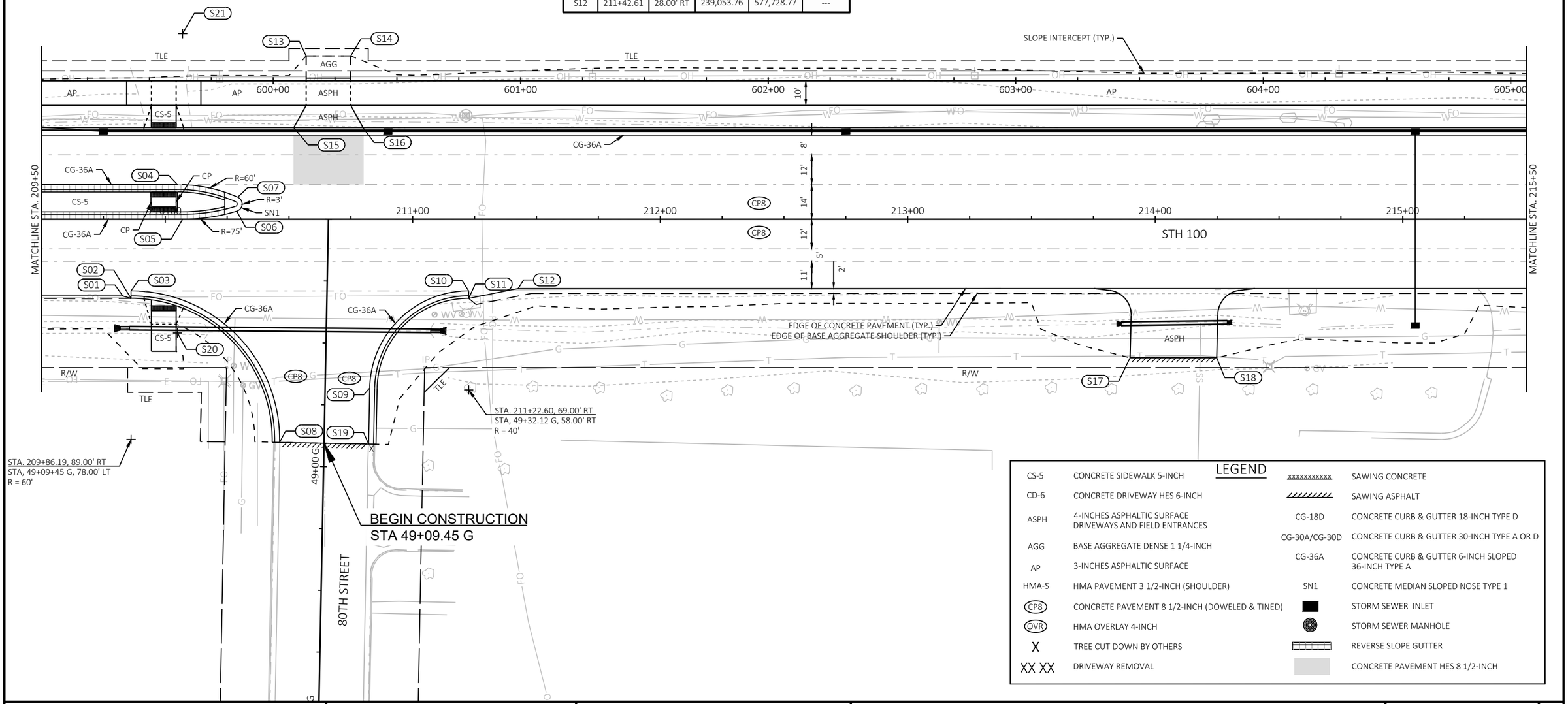


LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	xxxxxxxxxx	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY HES 6-INCH		SAWING ASPHALT
ASPH	4-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-30A/CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE A OR D
AP	3-INCHES ASPHALTIC SURFACE	CG-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
HMA-S	HMA PAVEMENT 3 1/2-INCH (SHOULDER)	SN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED & TINED)		STORM SEWER INLET
OVR	HMA OVERLAY 4-INCH		STORM SEWER MANHOLE
X	TREE CUT DOWN BY OTHERS		REVERSE SLOPE GUTTER
XX XX	DRIVEWAY REMOVAL		CONCRETE PAVEMENT HES 8 1/2-INCH

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
S01	209+82.86	31.00' RT	239,050.73	577,569.02	---
S02	209+86.19	32.00' RT	239,049.73	577,572.35	---
S03	209+86.19	29.00' RT	239,052.73	577,572.35	---
S04	210+04.98	14.00' LT	239,095.73	577,591.14	---
S05	210+07.03	0.00' RT	239,081.74	577,593.18	---
S06	210+28.91	3.26' LT	239,085.00	577,615.06	---
S07	210+29.25	8.88' LT	239,090.61	577,615.40	---
S08	210+46.18	90.18' RT	238,991.57	577,632.35	---
S09	210+82.61	68.22' RT	239,013.53	577,668.77	---
S10	211+22.60	29.00' RT	239,052.75	577,708.76	---
S11	211+22.60	32.00' RT	239,049.75	577,708.76	---
S12	211+42.61	28.00' RT	239,053.76	577,728.77	---

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
S13	210+56.94	66.00' LT	239,147.74	577,643.09	---
S14	210+74.94	66.00' LT	239,147.75	577,661.09	---
S15	210+51.94	37.00' LT	239,118.74	577,638.09	---
S16	210+79.94	37.00' LT	239,118.75	577,666.09	---
S17	213+89.83	56.00' RT	239,025.79	577,976.00	---
S18	214+24.83	56.00' RT	239,025.80	578,010.99	---
S19	49+09.45 G	18.00' RT	238,990.87	577,668.33	---
S20	210+04.98	46.00' RT	239,035.73	577,591.14	R=60'
S21	210+07.03	75.00' LT	239,156.74	577,593.17	R=75'



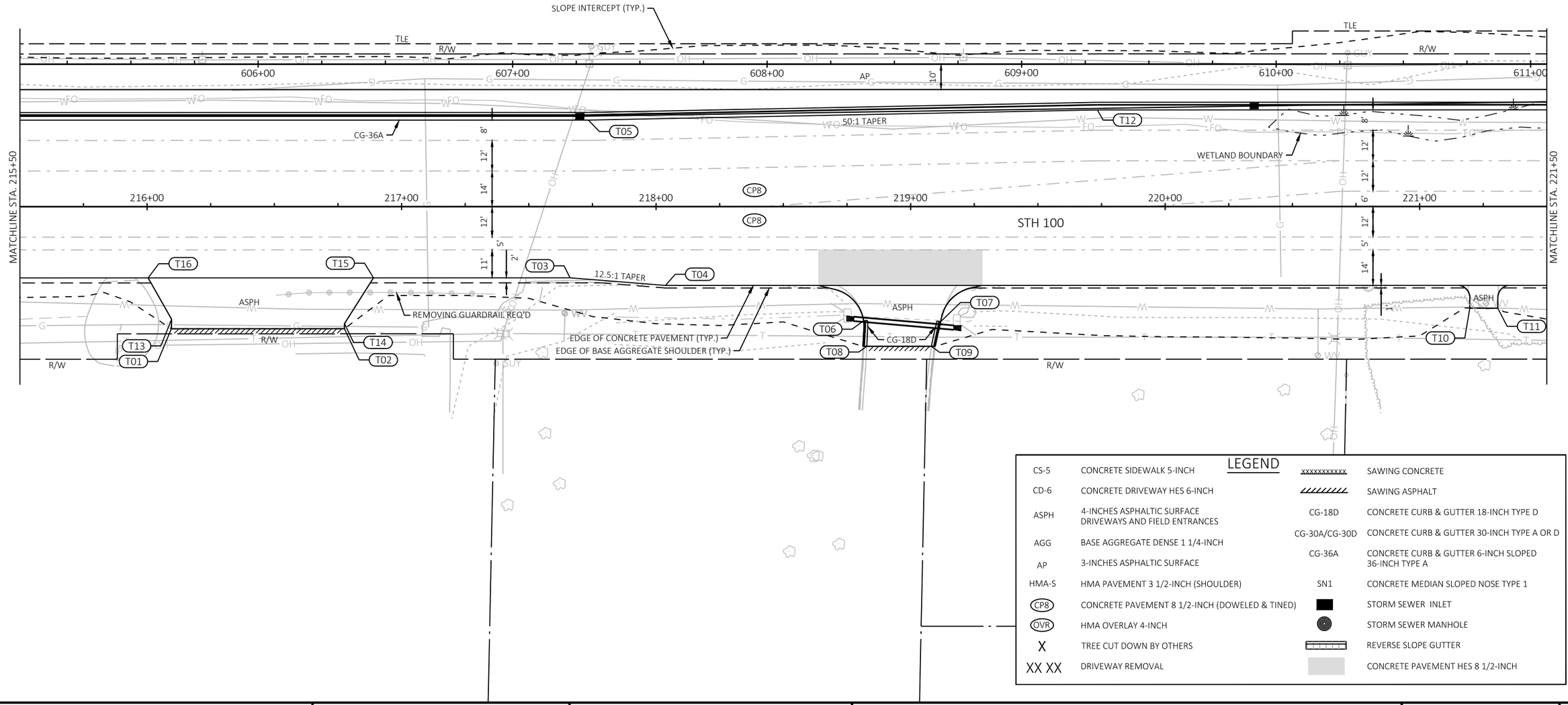
LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	xxxxxxxxxx	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY HES 6-INCH		SAWING ASPHALT
ASPH	4-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-30A/CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE A OR D
AP	3-INCHES ASPHALTIC SURFACE	CG-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
HMA-S	HMA PAVEMENT 3 1/2-INCH (SHOULDER)	SN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED & TINED)		STORM SEWER INLET
OVR	HMA OVERLAY 4-INCH		STORM SEWER MANHOLE
X	TREE CUT DOWN BY OTHERS		REVERSE SLOPE GUTTER
XX XX	DRIVEWAY REMOVAL		CONCRETE PAVEMENT HES 8 1/2-INCH

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 52	E

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
T01	216+09.53	48.00' RT	239,033.82	578,195.69	---
T02	216+77.52	48.00' RT	239,033.83	578,263.68	---
T03	217+66.17	28.00' RT	239,053.85	578,352.33	---
T04	218+03.67	31.00' RT	239,050.85	578,389.83	---
T05	217+73.38	34.00' LT	239,115.85	578,359.53	---
T06	218+81.47	44.93' RT	239,036.94	578,467.63	---
T07	219+11.74	45.32' RT	239,036.55	578,497.90	---
T08	218+82.76	54.93' RT	239,026.93	578,468.92	---
T09	219+08.13	54.93' RT	239,026.94	578,494.30	---
T10	221+19.70	40.00' RT	239,041.90	578,705.86	---
T11	221+30.70	40.00' RT	239,041.90	578,716.86	---
T12	219+73.39	38.00' LT	239,119.88	578,559.54	---

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
T13	216+09.62	44.29' RT	239,037.54	578,195.78	---
T14	216+77.57	46.00' RT	239,035.83	578,263.73	---
T15	216+88.95	28.00' RT	239,053.84	578,275.11	---
T16	216+00.38	28.00' RT	239,053.82	578,186.54	---



LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	xxxxxxxxxx	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY HES 6-INCH		SAWING ASPHALT
ASPH	4-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-30A/CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE A OR D
AP	3-INCHES ASPHALTIC SURFACE	CG-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
HMA-S	HMA PAVEMENT 3 1/2-INCH (SHOULDER)	SN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED & TINED)		STORM SEWER INLET
OVR	HMA OVERLAY 4-INCH		STORM SEWER MANHOLE
X	TREE CUT DOWN BY OTHERS		REVERSE SLOPE GUTTER
XX XX	DRIVEWAY REMOVAL		CONCRETE PAVEMENT HES 8 1/2-INCH

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 53	E

2

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
U01	223+15.51	31.00' RT	239,050.93	578,901.67	---
U02	223+18.85	32.00' RT	239,049.93	578,905.01	---
U03	223+18.85	29.00' RT	239,052.93	578,905.01	---
U04	223+68.84	80.05' RT	239,001.89	578,955.00	---
U05	223+65.40	85.96' RT	238,995.98	578,951.57	---
U06	223+01.60	38.00' LT	239,119.93	578,887.74	---
U07	223+35.56	43.10' LT	239,125.03	578,921.70	---
U08	223+78.13	91.65' LT	239,173.59	578,964.27	---
U09	224+32.43	91.70' LT	239,173.62	579,018.64	---
U10	224+82.15	47.00' LT	239,128.89	579,068.33	---

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
U11	224+28.68	74.46' RT	239,007.46	579,014.79	---
U12	224+23.03	72.99' RT	239,008.93	579,009.14	---
U13	224+73.02	24.00' RT	239,057.89	579,059.16	---
U14	224+73.02	27.00' RT	239,054.89	579,059.16	---
U15	225+39.69	17.00' RT	239,064.85	579,125.83	---
U16	225+73.02	17.00' RT	239,064.83	579,159.16	---
U17	225+73.02	14.00' RT	239,067.83	579,159.17	---
U18	49+17.09 H	30.75' RT	238,998.40	579,009.67	---
U19	49+02.64 H	29.01' RT	238,984.00	579,007.63	---
U20	48+61.29 H	30.00' RT	238,942.64	579,007.76	---

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
U21	48+79.03 H	48.00' RT	238,960.00	579,026.13	---
U22	49+13.65 H	48.00' RT	238,994.61	579,026.85	---
U23	48+64.84 H	21.47' LT	238,947.26	578,956.38	---
U24	48+55.72 H	33.16' LT	238,938.38	578,944.50	---
U25	51+06.46 H	18.00' LT	239,188.70	578,964.54	---
U26	51+16.42 H	17.00' LT	239,198.65	578,965.71	---
U27	51+45.95 H	41.01' LT	239,228.59	578,942.23	---
U28	51+12.26 H	33.89' RT	239,193.58	579,016.52	---
U29	51+12.70 H	36.86' RT	239,193.97	579,019.50	---
U30	51+08.37 H	56.54' RT	239,189.30	579,039.10	---
U31	50+82.75 H	59.72' RT	239,163.62	579,041.83	---
U32	224+26.03	73.05' RT	239,008.87	579,012.14	---
U33	223+65.84	79.99' RT	239,001.95	578,952.00	---

MATCHLINE STA. 51+50 H

MATCHLINE STA. 48+50 H

MATCHLINE STA. 221+50

MATCHLINE STA. 227+50

76TH STREET (CTH U)

STH 100

STA. 223+28.13, 92.00' LT
STA, 50+90.80 H, 68.00' LT
R = 50'

STA. 223+18.85, 79.00' RT
STA, 49+19.43 H, 73.98' LT
R = 50'

STA. 224+82.15, 97.00' LT
STA, 50+98.48 H, 85.98' RT
R = 50'

STA. 224+73.02, 74.00' RT
STA, 49+27.60 H, 80.00' RT
R = 50'

SEC SE 21-5-21
WISDOT PID 521111

USGS MONUMENT
US0339
X = 579,245.18
Y = 239,135.23

ASPHALTIC FLUME REQ'D

SPECIAL DITCH LT

SLOPE INTERCEPT (TYP.)

WETLAND BOUNDARY (TYP.)

EDGE OF CONCRETE PAVEMENT (TYP.)

EDGE OF HMA SHOULDER (TYP.)

EDGE OF BASE AGGREGATE SHOULDER (TYP.)

6.7:1 TAPER

LEGEND

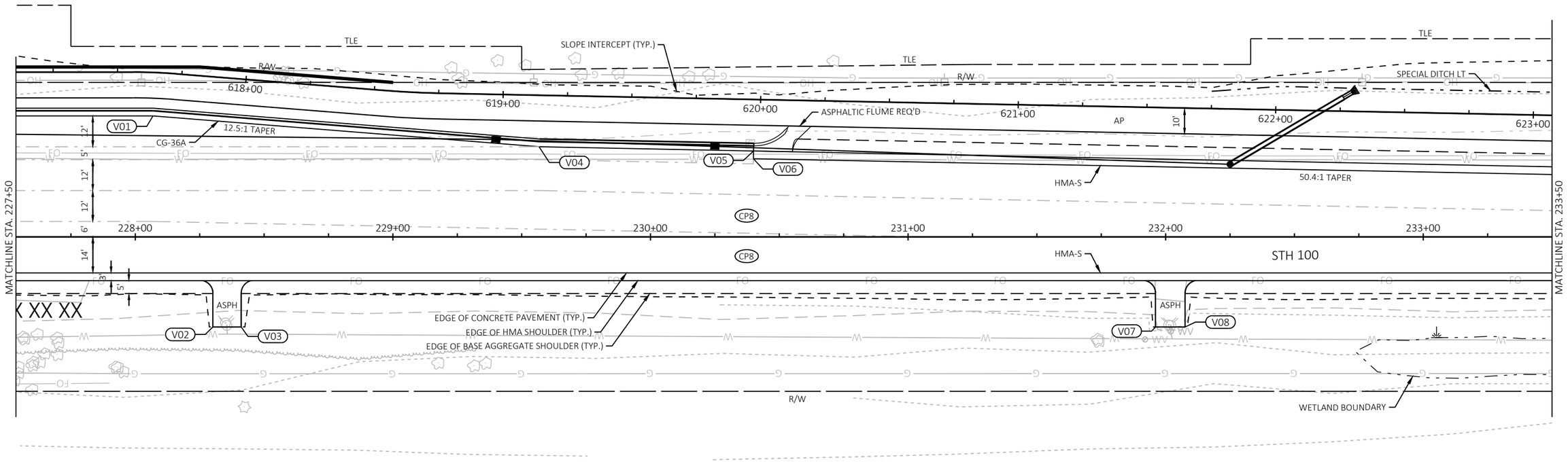
CS-5	CONCRETE SIDEWALK 5-INCH	xxxxxxxxxx	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY HES 6-INCH		SAWING ASPHALT
ASPH	4-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-30A/CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE A OR D
AP	3-INCHES ASPHALTIC SURFACE	CG-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
HMA-S	HMA PAVEMENT 3 1/2-INCH (SHOULDER)	SN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED & TINED)		STORM SEWER INLET
OVR	HMA OVERLAY 4-INCH		STORM SEWER MANHOLE
X	TREE CUT DOWN BY OTHERS		REVERSE SLOPE GUTTER
XX XX	DRIVEWAY REMOVAL		CONCRETE PAVEMENT HES 8 1/2-INCH

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 54	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021221-pd

PLOT DATE : 7/12/2024 11:01 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
V01	228+06.85	47.00' LT	239,128.69	579,393.04	---
V02	228+30.10	35.00' RT	239,046.67	579,416.23	---
V03	228+41.10	35.00' RT	239,046.67	579,427.23	---
V04	229+56.72	35.02' LT	239,116.61	579,542.89	---
V05	230+40.00	33.37' LT	239,114.91	579,626.18	---
V06	230+39.94	30.37' LT	239,111.91	579,626.12	---
V07	231+96.01	35.00' RT	239,046.45	579,782.14	---
V08	232+07.51	35.00' RT	239,046.44	579,793.64	---



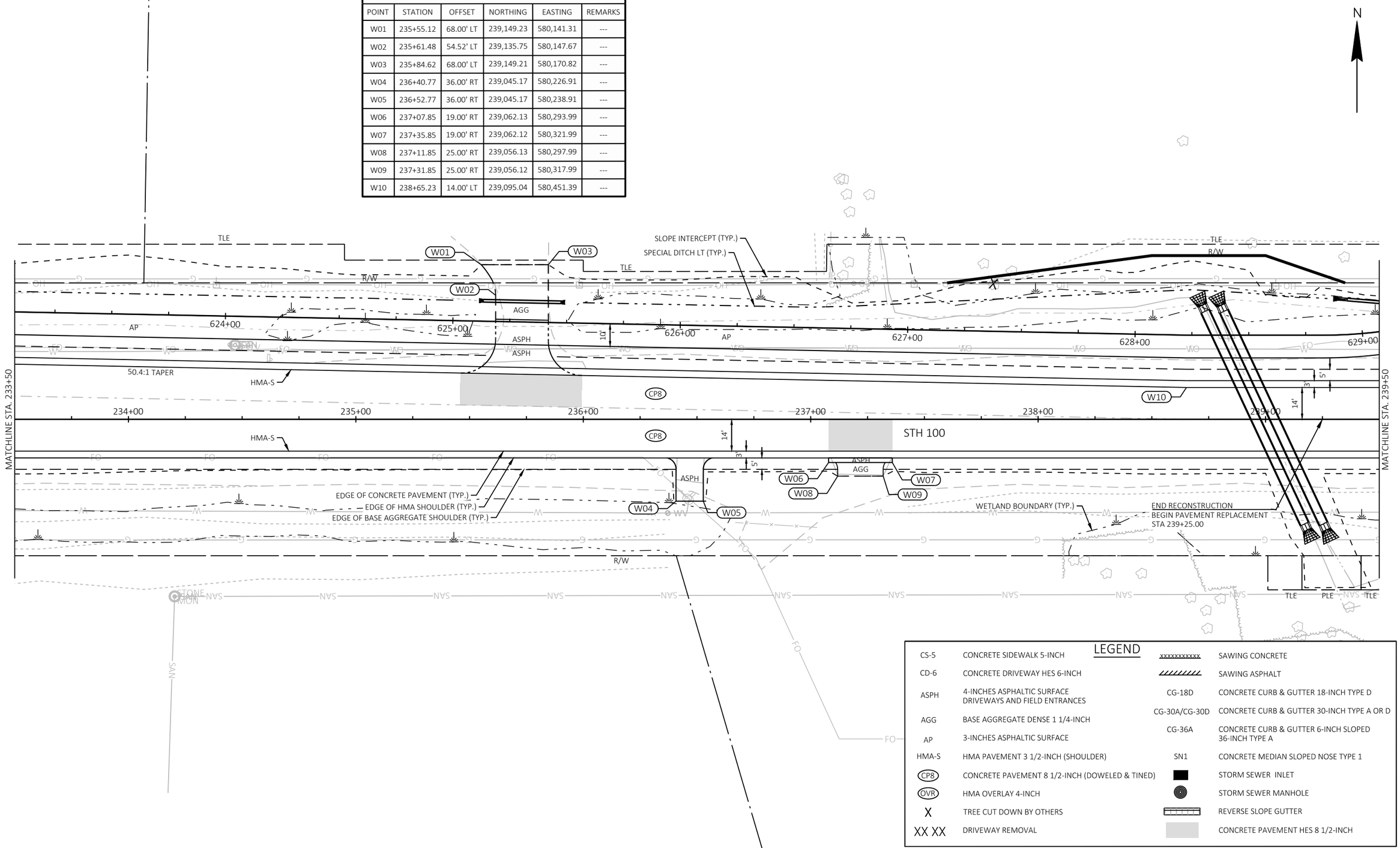
LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	xxxxxxxxxx	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY HES 6-INCH		SAWING ASPHALT
ASPH	4-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-30A/CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE A OR D
AP	3-INCHES ASPHALTIC SURFACE	CG-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
HMA-S	HMA PAVEMENT 3 1/2-INCH (SHOULDER)	SN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED & TINED)		STORM SEWER INLET
OVR	HMA OVERLAY 4-INCH		STORM SEWER MANHOLE
X	TREE CUT DOWN BY OTHERS		REVERSE SLOPE GUTTER
XX XX	DRIVEWAY REMOVAL		CONCRETE PAVEMENT HES 8 1/2-INCH

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 55	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021222-pd
PLOT DATE : 7/12/2024 11:02 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
W01	235+55.12	68.00' LT	239,149.23	580,141.31	---
W02	235+61.48	54.52' LT	239,135.75	580,147.67	---
W03	235+84.62	68.00' LT	239,149.21	580,170.82	---
W04	236+40.77	36.00' RT	239,045.17	580,226.91	---
W05	236+52.77	36.00' RT	239,045.17	580,238.91	---
W06	237+07.85	19.00' RT	239,062.13	580,293.99	---
W07	237+35.85	19.00' RT	239,062.12	580,321.99	---
W08	237+11.85	25.00' RT	239,056.13	580,297.99	---
W09	237+31.85	25.00' RT	239,056.12	580,317.99	---
W10	238+65.23	14.00' LT	239,095.04	580,451.39	---



LEGEND

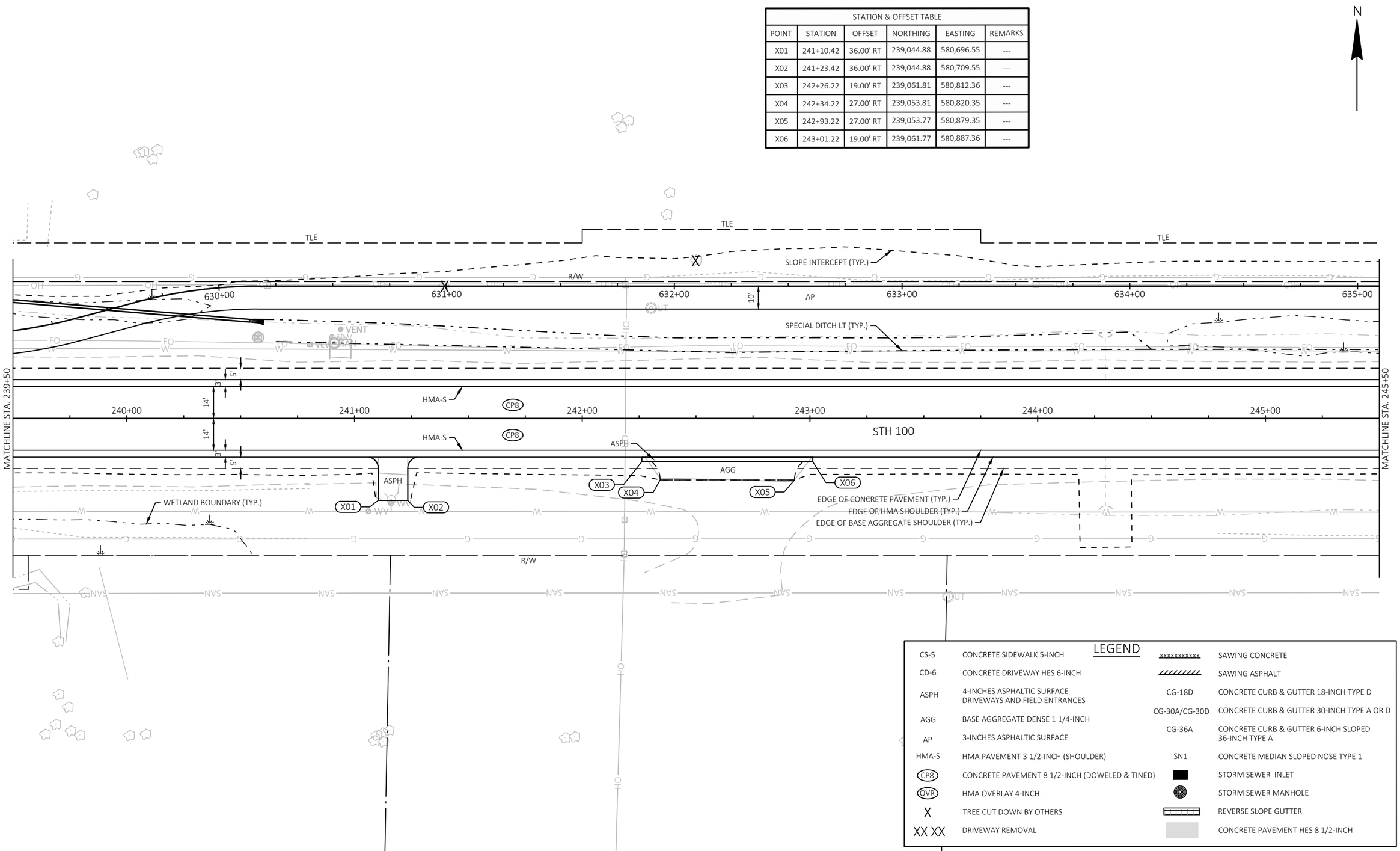
CS-5	CONCRETE SIDEWALK 5-INCH	xxxxxxxxxx	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY HES 6-INCH		SAWING ASPHALT
ASPH	4-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-30A/CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE A OR D
AP	3-INCHES ASPHALTIC SURFACE	CG-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
HMA-S	HMA PAVEMENT 3 1/2-INCH (SHOULDER)	SN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED & TINED)		STORM SEWER INLET
OVR	HMA OVERLAY 4-INCH		STORM SEWER MANHOLE
X	TREE CUT DOWN BY OTHERS		REVERSE SLOPE GUTTER
XX XX	DRIVEWAY REMOVAL		CONCRETE PAVEMENT HES 8 1/2-INCH

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 56	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021223-pd
PLOT DATE : 7/12/2024 11:03 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
X01	241+10.42	36.00' RT	239,044.88	580,696.55	---
X02	241+23.42	36.00' RT	239,044.88	580,709.55	---
X03	242+26.22	19.00' RT	239,061.81	580,812.36	---
X04	242+34.22	27.00' RT	239,053.81	580,820.35	---
X05	242+93.22	27.00' RT	239,053.77	580,879.35	---
X06	243+01.22	19.00' RT	239,061.77	580,887.36	---



LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	xxxxxxxxxx	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY HES 6-INCH		SAWING ASPHALT
ASPH	4-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-30A/CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE A OR D
AP	3-INCHES ASPHALTIC SURFACE	CG-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
HMA-S	HMA PAVEMENT 3 1/2-INCH (SHOULDER)	SN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED & TINED)		STORM SEWER INLET
OVR	HMA OVERLAY 4-INCH		STORM SEWER MANHOLE
X	TREE CUT DOWN BY OTHERS		REVERSE SLOPE GUTTER
XX XX	DRIVEWAY REMOVAL		CONCRETE PAVEMENT HES 8 1/2-INCH

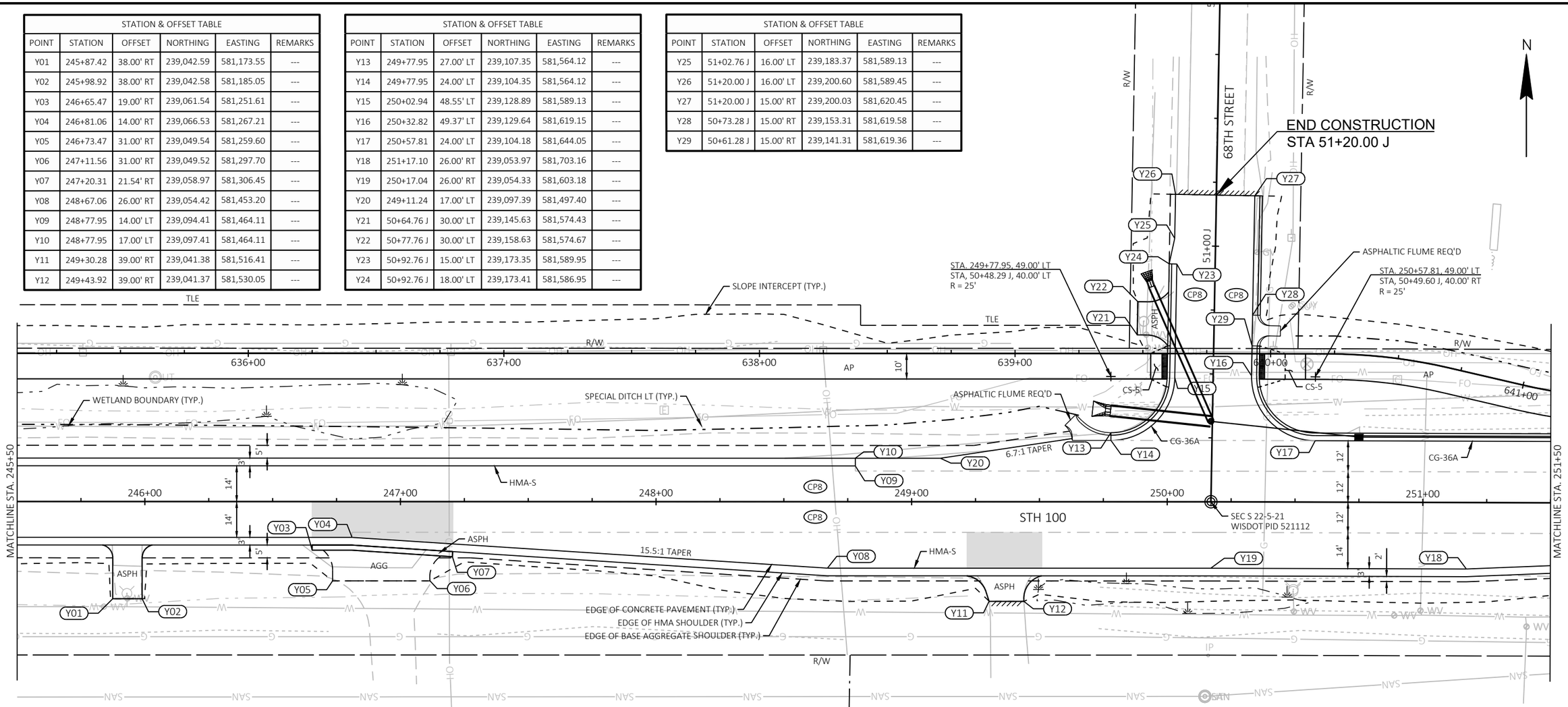
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 57	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021224-pd
PLOT DATE : 7/12/2024 11:05 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
Y01	245+87.42	38.00' RT	239,042.59	581,173.55	---
Y02	245+98.92	38.00' RT	239,042.58	581,185.05	---
Y03	246+65.47	19.00' RT	239,061.54	581,251.61	---
Y04	246+81.06	14.00' RT	239,066.53	581,267.21	---
Y05	246+73.47	31.00' RT	239,049.54	581,259.60	---
Y06	247+11.56	31.00' RT	239,049.52	581,297.70	---
Y07	247+20.31	21.54' RT	239,058.97	581,306.45	---
Y08	248+67.06	26.00' RT	239,054.42	581,453.20	---
Y09	248+77.95	14.00' LT	239,094.41	581,464.11	---
Y10	248+77.95	17.00' LT	239,097.41	581,464.11	---
Y11	249+30.28	39.00' RT	239,041.38	581,516.41	---
Y12	249+43.92	39.00' RT	239,041.37	581,530.05	---

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
Y13	249+77.95	27.00' LT	239,107.35	581,564.12	---
Y14	249+77.95	24.00' LT	239,104.35	581,564.12	---
Y15	250+02.94	48.55' LT	239,128.89	581,589.13	---
Y16	250+32.82	49.37' LT	239,129.64	581,619.15	---
Y17	250+57.81	24.00' LT	239,104.18	581,644.05	---
Y18	251+17.10	26.00' RT	239,053.97	581,703.16	---
Y19	250+17.04	26.00' RT	239,054.33	581,603.18	---
Y20	249+11.24	17.00' LT	239,097.39	581,497.40	---
Y21	50+64.76 J	30.00' LT	239,145.63	581,574.43	---
Y22	50+77.76 J	30.00' LT	239,158.63	581,574.67	---
Y23	50+92.76 J	15.00' LT	239,173.35	581,589.95	---
Y24	50+92.76 J	18.00' LT	239,173.41	581,586.95	---

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
Y25	51+02.76 J	16.00' LT	239,183.37	581,589.13	---
Y26	51+20.00 J	16.00' LT	239,200.60	581,589.45	---
Y27	51+20.00 J	15.00' RT	239,200.03	581,620.45	---
Y28	50+73.28 J	15.00' RT	239,153.31	581,619.58	---
Y29	50+61.28 J	15.00' RT	239,141.31	581,619.36	---



LEGEND

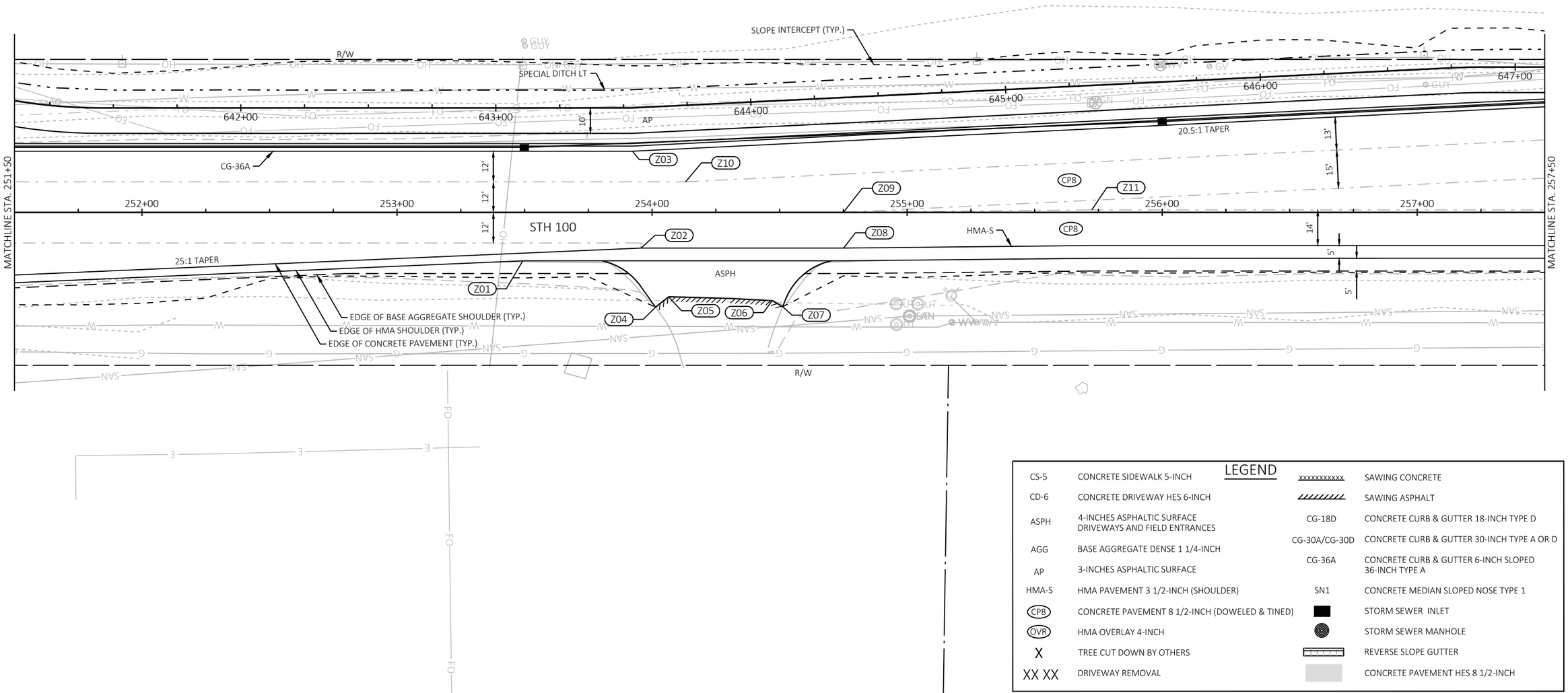
CS-5	CONCRETE SIDEWALK 5-INCH	xxxxxxxxxx	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY HES 6-INCH		SAWING ASPHALT
ASPH	4-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-30A/CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE A OR D
AP	3-INCHES ASPHALTIC SURFACE	CG-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
HMA-S	HMA PAVEMENT 3 1/2-INCH (SHOULDER)	SN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED & TINED)		STORM SEWER INLET
OVR	HMA OVERLAY 4-INCH		STORM SEWER MANHOLE
X	TREE CUT DOWN BY OTHERS		REVERSE SLOPE GUTTER
XX XX	DRIVEWAY REMOVAL		CONCRETE PAVEMENT HES 8 1/2-INCH

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 58	E

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
Z01	253+49.30	19.00' RT	239,060.15	581,935.39	---
Z02	253+95.67	14.00' RT	239,064.98	581,981.77	---
Z03	253+92.30	24.00' LT	239,102.99	581,978.54	---
Z04	254+01.35	37.18' RT	239,041.78	581,987.37	---
Z05	254+06.46	33.09' RT	239,045.85	581,992.49	---
Z06	254+47.07	34.61' RT	239,044.19	582,033.10	---
Z07	254+51.22	36.99' RT	239,041.79	582,037.24	---
Z08	254+75.07	14.00' RT	239,064.70	582,061.17	---
Z09	254+75.00	0.00' RT	239,078.70	582,061.15	---
Z10	254+13.12	12.00' LT	239,090.92	581,999.32	---
Z11	255+72.39	1.00' LT	239,079.36	582,158.54	

N

NOTE:
OBTAIN A TEMPORARY OCCUPANCY PERMIT
FROM MILWAUKEE COUNTY PRIOR TO PERFORMING WORK
OUTSIDE THE RIGHT-OF-WAY ON THE NORTH SIDE OF STH 100 BETWEEN
68TH STREET AND THE ROOT RIVER.



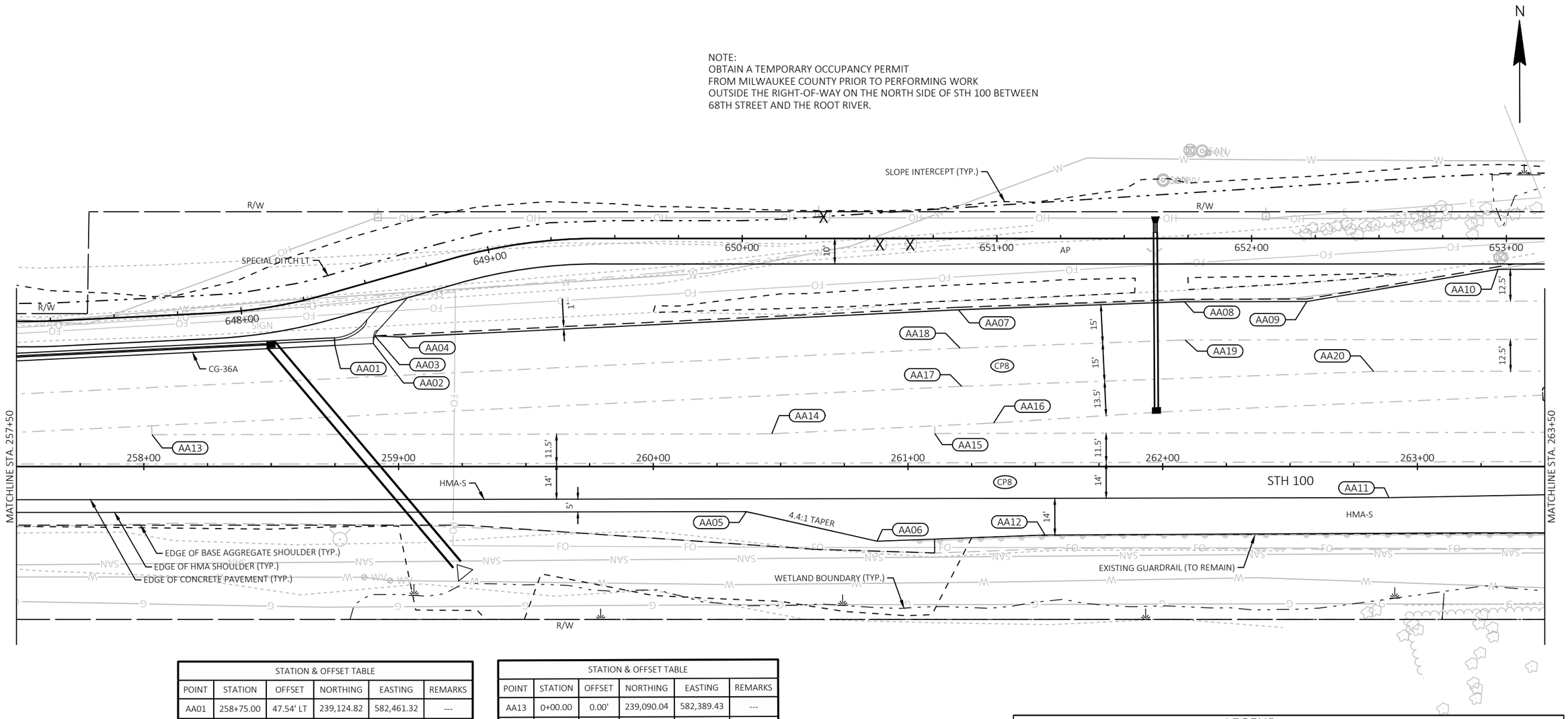
LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	xxxxxxxxxx	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY HES 6-INCH		SAWING ASPHALT
ASPH	4-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-30A/CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE A OR D
AP	3-INCHES ASPHALTIC SURFACE	CG-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
HMA-S	HMA PAVEMENT 3 1/2-INCH (SHOULDER)	SN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED & TINED)		STORM SEWER INLET
OVR	HMA OVERLAY 4-INCH		STORM SEWER MANHOLE
X	TREE CUT DOWN BY OTHERS		REVERSE SLOPE GUTTER
XX XX	DRIVEWAY REMOVAL		CONCRETE PAVEMENT HES 8 1/2-INCH

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 59	E

2

NOTE:
OBTAIN A TEMPORARY OCCUPANCY PERMIT
FROM MILWAUKEE COUNTY PRIOR TO PERFORMING WORK
OUTSIDE THE RIGHT-OF-WAY ON THE NORTH SIDE OF STH 100 BETWEEN
68TH STREET AND THE ROOT RIVER.



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
AA01	258+75.00	47.54' LT	239,124.82	582,461.32	---
AA02	258+90.09	48.28' LT	239,125.51	582,476.41	---
AA03	258+90.69	51.31' LT	239,128.54	582,477.02	---
AA04	259+00.72	50.80' LT	239,127.99	582,487.05	---
AA05	260+36.52	17.66' RT	239,059.05	582,622.61	---
AA06	260+87.86	29.30' RT	239,047.23	582,673.90	---
AA07	261+19.81	61.48' LT	239,137.90	582,706.17	---
AA08	262+08.53	64.66' LT	239,140.76	582,794.91	---
AA09	262+56.59	64.75' LT	239,140.68	582,842.97	---
AA10	263+31.62	77.39' LT	239,153.05	582,918.04	---
AA11	262+88.78	12.19' RT	239,063.62	582,874.89	---
AA12	261+53.78	26.88' RT	239,049.41	582,739.83	---

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
AA13	0+00.00	0.00'	239,090.04	582,389.43	---
AA14	0+00.00	0.00'	239,089.53	582,632.71	---
AA15	0+00.00	0.00'	239,089.42	582,696.70	---
AA16	0+00.00	0.00'	239,093.47	582,719.83	---
AA17	0+00.00	0.00'	239,107.92	582,707.33	---
AA18	0+00.00	0.00'	239,122.91	582,706.75	---
AA19	0+00.00	0.00'	239,125.76	582,795.14	---
AA20	0+00.00	0.00'	239,113.13	582,869.06	---

LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	xxxxxxxxxx	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY HES 6-INCH		SAWING ASPHALT
ASPH	4-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-30A/CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE A OR D
AP	3-INCHES ASPHALTIC SURFACE	CG-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
HMA-S	HMA PAVEMENT 3 1/2-INCH (SHOULDER)	SN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED & TINED)		STORM SEWER INLET
OVR	HMA OVERLAY 4-INCH		STORM SEWER MANHOLE
X	TREE CUT DOWN BY OTHERS		REVERSE SLOPE GUTTER
XX XX	DRIVEWAY REMOVAL		CONCRETE PAVEMENT HES 8 1/2-INCH

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 60	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021227-pd
PLOT DATE : 7/12/2024 11:09 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
BB01	263+90.32	31.82' LT	239,107.27	582,976.57	---
BB02	263+88.56	24.39' LT	239,099.85	582,974.79	---
BB03	263+69.21	26.14' LT	239,101.67	582,955.45	---
BB04	263+88.87	26.00' RT	239,049.46	582,974.92	---
BB05	263+90.36	77.50' LT	239,152.95	582,976.78	---
BB06	264+35.32	89.50' LT	239,164.79	583,021.79	---
BB07	264+29.47	79.50' LT	239,154.81	583,015.90	---
BB08	263+88.77	10.34' RT	239,065.12	582,974.87	---

N

SPECIAL DITCH LT

SLOPE INTERCEPT (TYP.)

R/W

EX. EASEMENT

BB06

AP

65+00

BB07

B-40-0681

BB05

12.5'

15'

CP8

12.5'

BB01

EXISTING CONCRETE BARRIER AND END TREATMENT (TO REMAIN)

BB02

BB03

12.5'

11.5'

CP8

MATCHLINE STA. 263+50

264+00

265+00

266+00

267+00

268+00

269+00

STH 100

STA. 269+50

(PAVING EXCEPTION STA. 263+89 TO STA. 277+50)

BB08

END PAVEMENT REPLACEMENT
STA 263+88.82

HMA-S

BB04

B-40-0547

WETLAND BOUNDARY

R/W

EXISTING GUARDRAIL (TO REMAIN)

EXCEPTION TO NET CENTERLINE LENGTH
STA. 263+88.82 TO STA. 277+50.00

ROOT RIVER

LEGEND

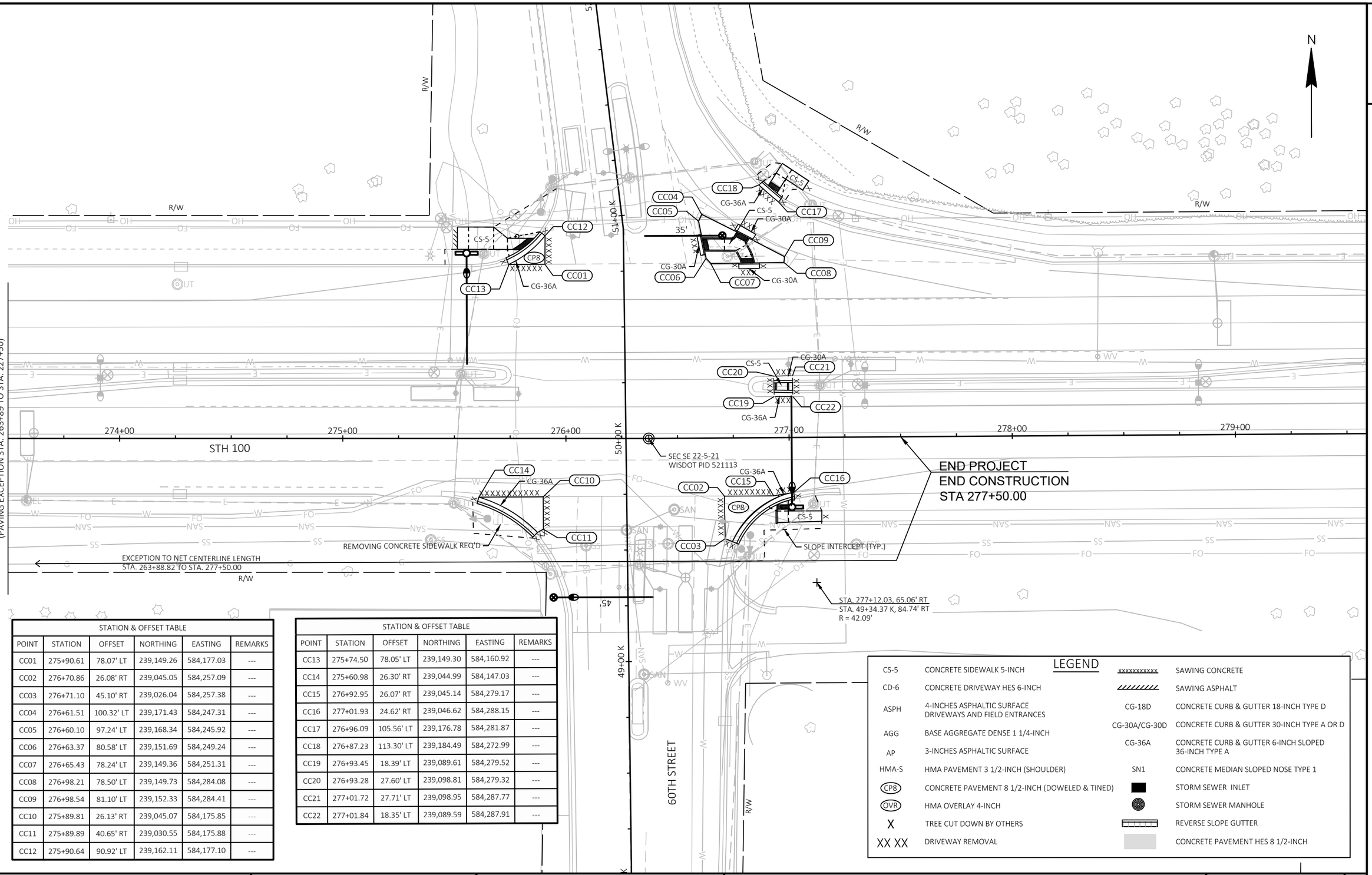
CS-5	CONCRETE SIDEWALK 5-INCH	xxxxxxxxxx	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY HES 6-INCH		SAWING ASPHALT
ASPH	4-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
		CG-30A/CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE A OR D
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
AP	3-INCHES ASPHALTIC SURFACE		
HMA-S	HMA PAVEMENT 3 1/2-INCH (SHOULDER)	SN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED & TINED)		STORM SEWER INLET
OVR	HMA OVERLAY 4-INCH		STORM SEWER MANHOLE
X	TREE CUT DOWN BY OTHERS		REVERSE SLOPE GUTTER
XX XX	DRIVEWAY REMOVAL		CONCRETE PAVEMENT HES 8 1/2-INCH

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 61	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021228-pd

PLOT DATE : 7/12/2024 11:10 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
CC01	275+90.61	78.07' LT	239,149.26	584,177.03	---
CC02	276+70.86	26.08' RT	239,045.05	584,257.09	---
CC03	276+71.10	45.10' RT	239,026.04	584,257.38	---
CC04	276+61.51	100.32' LT	239,171.43	584,247.31	---
CC05	276+60.10	97.24' LT	239,168.34	584,245.92	---
CC06	276+63.37	80.58' LT	239,151.69	584,249.24	---
CC07	276+65.43	78.24' LT	239,149.36	584,251.31	---
CC08	276+98.21	78.50' LT	239,149.73	584,284.08	---
CC09	276+98.54	81.10' LT	239,152.33	584,284.41	---
CC10	275+89.81	26.13' RT	239,045.07	584,175.85	---
CC11	275+89.89	40.65' RT	239,030.55	584,175.88	---
CC12	275+90.64	90.92' LT	239,162.11	584,177.10	---

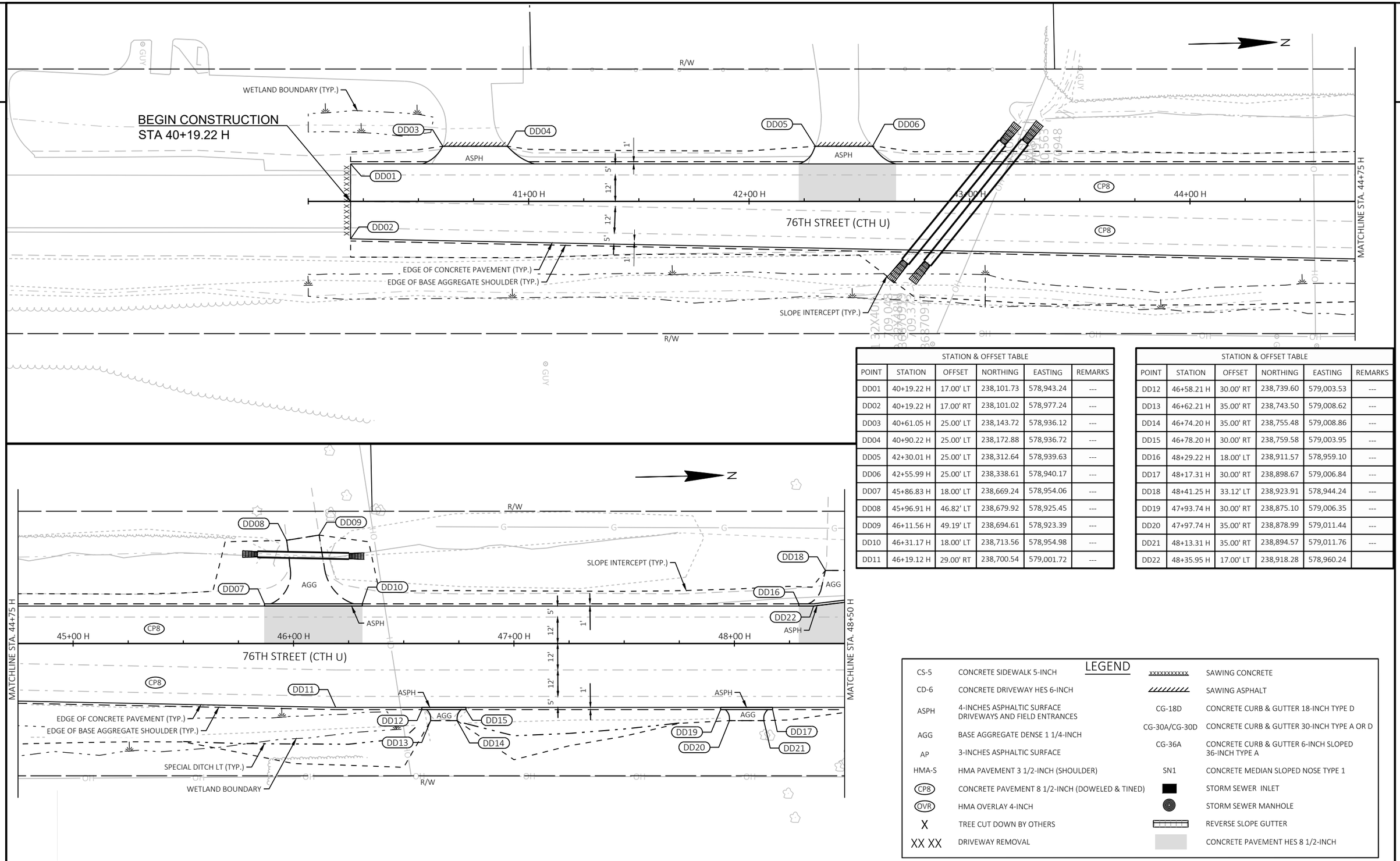
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
CC13	275+74.50	78.05' LT	239,149.30	584,160.92	---
CC14	275+60.98	26.30' RT	239,044.99	584,147.03	---
CC15	276+92.95	26.07' RT	239,045.14	584,279.17	---
CC16	277+01.93	24.62' RT	239,046.62	584,288.15	---
CC17	276+96.09	105.56' LT	239,176.78	584,281.87	---
CC18	276+87.23	113.30' LT	239,184.49	584,272.99	---
CC19	276+93.45	18.39' LT	239,089.61	584,279.52	---
CC20	276+93.28	27.60' LT	239,098.81	584,279.32	---
CC21	277+01.72	27.71' LT	239,098.95	584,287.77	---
CC22	277+01.84	18.35' LT	239,089.59	584,287.91	---

LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	xxxxxxxxxx	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY HES 6-INCH		SAWING ASPHALT
ASPH	4-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-30A/CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE A OR D
AP	3-INCHES ASPHALTIC SURFACE	CG-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
HMA-S	HMA PAVEMENT 3 1/2-INCH (SHOULDER)	SN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED & TINED)		STORM SEWER INLET
OVR	HMA OVERLAY 4-INCH		STORM SEWER MANHOLE
X	TREE CUT DOWN BY OTHERS		REVERSE SLOPE GUTTER
XX XX	DRIVEWAY REMOVAL		CONCRETE PAVEMENT HES 8 1/2-INCH

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 62	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021229-pd
PLOT DATE : 7/12/2024 11:12 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
DD01	40+19.22 H	17.00' LT	238,101.73	578,943.24	---
DD02	40+19.22 H	17.00' RT	238,101.02	578,977.24	---
DD03	40+61.05 H	25.00' LT	238,143.72	578,936.12	---
DD04	40+90.22 H	25.00' LT	238,172.88	578,936.72	---
DD05	42+30.01 H	25.00' LT	238,312.64	578,939.63	---
DD06	42+55.99 H	25.00' LT	238,338.61	578,940.17	---
DD07	45+86.83 H	18.00' LT	238,669.24	578,954.06	---
DD08	45+96.91 H	46.82' LT	238,679.92	578,925.45	---
DD09	46+11.56 H	49.19' LT	238,694.61	578,923.39	---
DD10	46+31.17 H	18.00' LT	238,713.56	578,954.98	---
DD11	46+19.12 H	29.00' RT	238,700.54	579,001.72	---

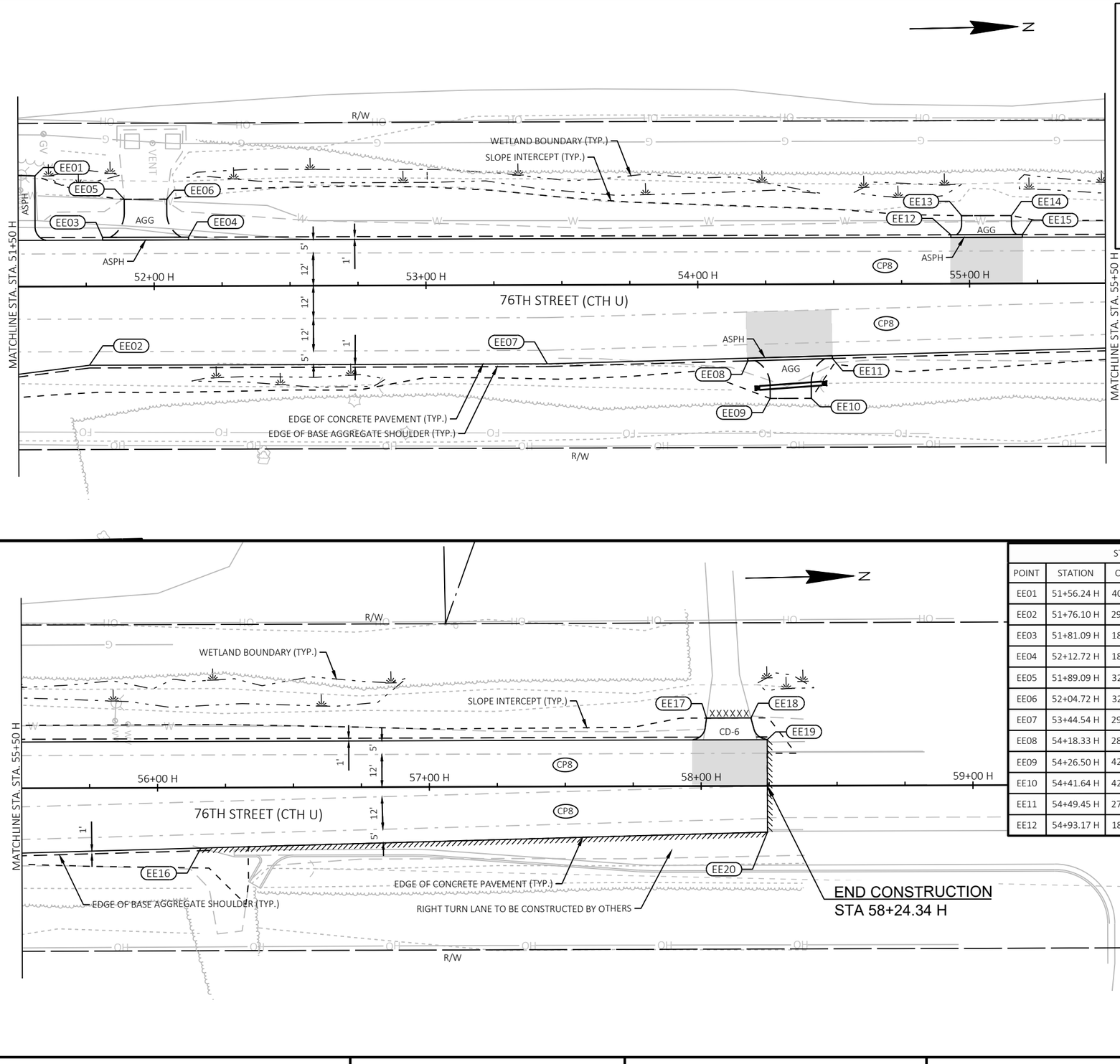
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
DD12	46+58.21 H	30.00' RT	238,739.60	579,003.53	---
DD13	46+62.21 H	35.00' RT	238,743.50	579,008.62	---
DD14	46+74.20 H	35.00' RT	238,755.48	579,008.86	---
DD15	46+78.20 H	30.00' RT	238,759.58	579,003.95	---
DD16	48+29.22 H	18.00' LT	238,911.57	578,959.10	---
DD17	48+17.31 H	30.00' RT	238,898.67	579,006.84	---
DD18	48+41.25 H	33.12' LT	238,923.91	578,944.24	---
DD19	47+93.74 H	30.00' RT	238,875.10	579,006.35	---
DD20	47+97.74 H	35.00' RT	238,878.99	579,011.44	---
DD21	48+13.31 H	35.00' RT	238,894.57	579,011.76	---
DD22	48+35.95 H	17.00' LT	238,918.28	578,960.24	

LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	xxxxxxxxxx	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY HES 6-INCH		SAWING ASPHALT
ASPH	4-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-30A/CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE A OR D
AP	3-INCHES ASPHALTIC SURFACE	CG-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
HMA-S	HMA PAVEMENT 3 1/2-INCH (SHOULDER)	SN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED & TINED)		STORM SEWER INLET
OVR	HMA OVERLAY 4-INCH		STORM SEWER MANHOLE
X	TREE CUT DOWN BY OTHERS		REVERSE SLOPE GUTTER
XX XX	DRIVEWAY REMOVAL		CONCRETE PAVEMENT HES 8 1/2-INCH

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 63	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021230-pd
PLOT DATE : 7/12/2024 11:14 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT



LEGEND

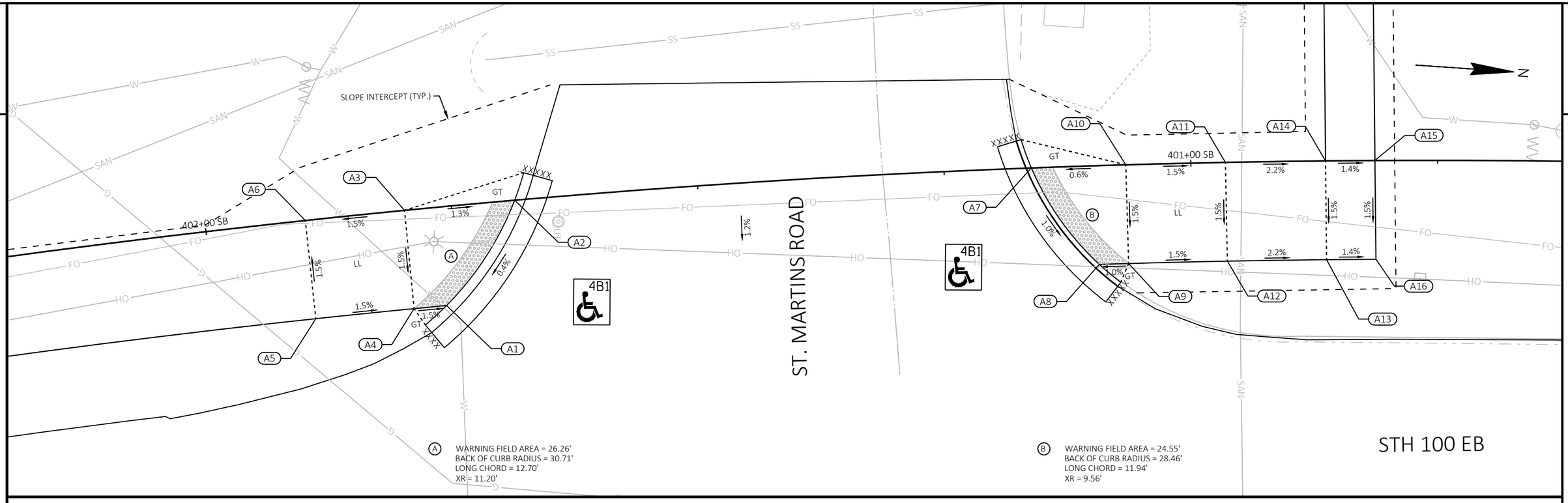
CS-5	CONCRETE SIDEWALK 5-INCH	xxxxxxxxxx	SAWING CONCRETE
CD-6	CONCRETE DRIVEWAY HES 6-INCH		SAWING ASPHALT
ASPH	4-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-30A/CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE A OR D
AP	3-INCHES ASPHALTIC SURFACE	CG-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
HMA-S	HMA PAVEMENT 3 1/2-INCH (SHOULDER)	SN1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED & TINED)		STORM SEWER INLET
OVR	HMA OVERLAY 4-INCH		STORM SEWER MANHOLE
X	TREE CUT DOWN BY OTHERS		REVERSE SLOPE GUTTER
XX XX	DRIVEWAY REMOVAL		CONCRETE PAVEMENT HES 8 1/2-INCH

STATION & OFFSET TABLE

POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
EE01	51+56.24 H	40.73' LT	239,238.87	578,942.69	---
EE02	51+76.10 H	29.00' RT	239,257.50	579,012.76	---
EE03	51+81.09 H	18.00' LT	239,263.32	578,965.86	---
EE04	52+12.72 H	18.00' LT	239,294.94	578,966.41	---
EE05	51+89.09 H	32.00' LT	239,271.56	578,952.00	---
EE06	52+04.72 H	32.00' LT	239,287.19	578,952.27	---
EE07	53+44.54 H	29.00' RT	239,425.92	579,015.74	---
EE08	54+18.33 H	28.16' RT	239,499.70	579,016.19	---
EE09	54+26.50 H	42.00' RT	239,507.63	579,030.18	---
EE10	54+41.64 H	42.00' RT	239,522.77	579,030.45	---
EE11	54+49.45 H	27.38' RT	239,530.84	579,015.97	---
EE12	54+93.17 H	18.00' LT	239,575.35	578,971.37	---

STATION & OFFSET TABLE

POINT	STATION	OFFSET	NORTHING	EASTING	REMARKS
EE13	54+97.17 H	25.00' LT	239,579.47	578,964.44	---
EE14	55+15.48 H	25.00' LT	239,597.78	578,964.76	---
EE15	55+19.48 H	18.00' LT	239,601.65	578,971.83	---
EE16	56+15.88 H	22.22' RT	239,697.33	579,013.75	---
EE17	58+02.03 H	25.00' LT	239,884.29	578,969.82	---
EE18	58+18.39 H	25.00' LT	239,900.64	578,970.11	---
EE19	58+24.34 H	17.00' LT	239,906.45	578,978.22	---
EE20	58+24.34 H	17.01' RT	239,905.85	579,012.22	---



A WARNING FIELD AREA = 26.26'
BACK OF CURB RADIUS = 30.71'
LONG CHORD = 12.70'
XR = 11.20'

B WARNING FIELD AREA = 24.55'
BACK OF CURB RADIUS = 28.46'
LONG CHORD = 11.94'
XR = 9.56'

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
A1	110+83.91	63.97' RT	245,767.63	571,089.36	806.79
A2	110+76.59	73.97' RT	245,773.77	571,078.24	806.84
A3	110+87.02	73.97' RT	245,762.72	571,080.04	806.99
A4	110+87.02	63.97' RT	245,764.37	571,089.91	806.84
A5	110+96.41	63.97' RT	245,754.52	571,091.61	806.99
A6	110+96.42	73.97' RT	245,752.77	571,081.77	806.84
A7	110+27.79	73.98' RT	245,825.74	571,071.36	806.86
A8	110+21.68	63.98' RT	245,833.27	571,080.63	806.74
A9	110+18.88	63.98' RT	245,836.24	571,080.33	806.77
A10	110+18.88	73.98' RT	245,835.25	571,070.38	806.92
A11	110+09.49	73.99' RT	245,845.30	571,069.44	806.77
A12	110+09.48	63.99' RT	245,846.19	571,079.40	806.62
A13	110+00.04	63.99' RT	245,856.20	571,078.55	806.40
A14	110+00.05	73.99' RT	245,855.41	571,068.58	806.55
A15	109+95.39	74.00' RT	245,860.39	571,068.19	806.48

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
A16	109+95.35	63.99' RT	245,861.19	571,078.17	806.33

CURB RAMP DETAIL NOTES (APPLIES TO ALL CURB RAMP DETAIL SHEETS):

SEE PLAN DETAILS FOR ADDITIONAL INFORMATION.

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

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.

DASHED LINES SHOWN FOR PROPOSED SIDEWALKS ARE SUGGESTED JOINT LOCATIONS. THESE ARE FOR INFORMATION ONLY.

MATCH EXISTING SIDEWALK WIDTH AND CROSS SLOPE AT MATCH POINTS.

STATIONING AND OFFSETS ARE TO STH 100 ALIGNMENT.

THESE DETAILS SUPPLEMENTS STANDARD DETAIL DRAWINGS CURB RAMPS TYPES 1 AND 1-A, TYPE 2 AND 3, TYPE 4A AND 4A1, TYPE 4B AND 4B1, AND TYPE 5, 6, 7A, 7B.

FLARES ARE GRADED WITH TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN UNLESS OTHERWISE NOTED.

REMOVE EXISTING CONCRETE SIDEWALK TO NEAREST JOINT OR SAWCUT AS DIRECTED BY THE ENGINEER.

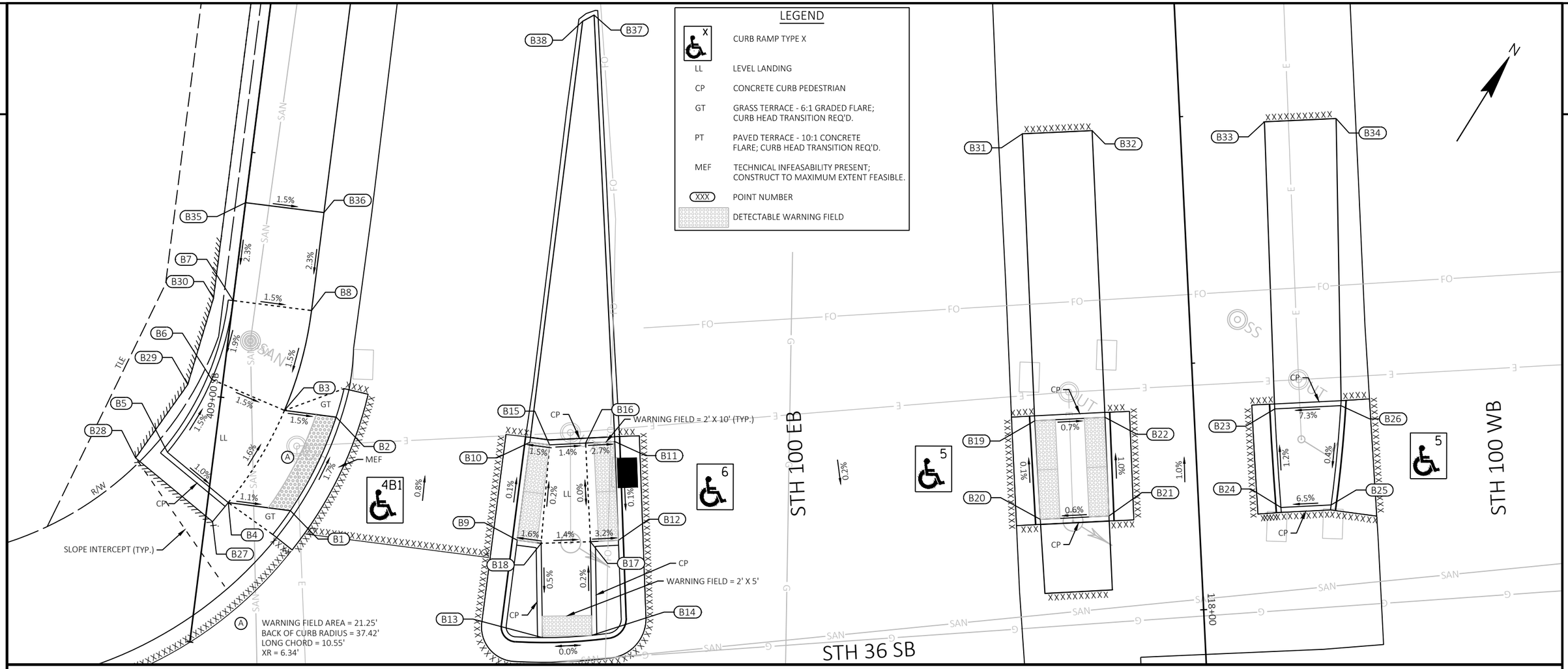
GUTTER SLOPE SHALL BE 4.0% UNLESS OTHERWISE NOTED. REPLICATE EXISTING DRAINAGE FLOW AROUND RADIUS.

RADIAL DIMENSIONS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED PRIOR TO ORDERING RADIAL DETECTABLE WARNING FIELDS.

LEGEND

X	CURB RAMP TYPE X
LL	LEVEL LANDING
CP	CONCRETE CURB PEDESTRIAN
GT	GRASS TERRACE - 6:1 GRADED FLARE; CURB HEAD TRANSITION REQ'D.
PT	PAVED TERRACE - 10:1 CONCRETE FLARE; CURB HEAD TRANSITION REQ'D.
MEF	TECHNICAL INFEASABILITY PRESENT; CONSTRUCT TO MAXIMUM EXTENT FEASIBLE.
XXX	POINT NUMBER
	DETECTABLE WARNING FIELD

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CURB RAMP DETAILS LOOMIS ROAD - NE AND NW QUADRANTS	SHEET 65	E



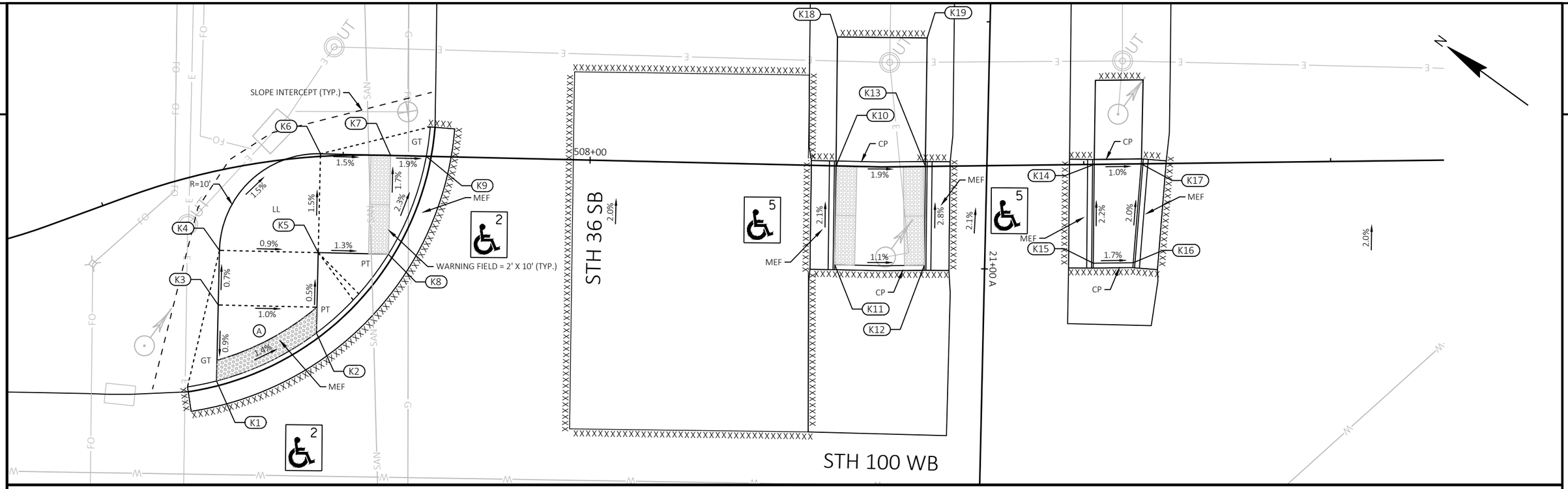
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
B1	117+85.48	91.88' RT	245,106.02	571,389.28	805.57
B2	117+76.23	86.79' RT	245,116.52	571,388.21	805.39
B3	117+75.30	91.98' RT	245,114.33	571,383.40	805.47
B4	117+84.35	98.12' RT	245,103.39	571,383.51	805.64
B5	117+78.96	104.03' RT	245,104.47	571,375.58	805.72
B6	117+71.81	99.18' RT	245,113.11	571,375.50	805.59
B7	117+63.94	96.63' RT	245,121.03	571,373.12	805.75
B8	117+65.33	88.76' RT	245,124.37	571,380.39	805.63
B9	117+89.58	69.08' RT	245,115.62	571,410.36	805.69
B10	117+79.74	67.32' RT	245,124.71	571,406.21	805.68
B11	117+80.09	58.73' RT	245,129.32	571,413.48	805.58
B12	117+90.09	58.85' RT	245,121.02	571,419.06	805.57
B13	117+99.56	67.01' RT	245,108.59	571,417.74	805.68

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
B14	117+99.57	62.01' RT	245,111.43	571,421.86	805.68
B15	117+80.09	65.34' RT	245,125.55	571,408.04	805.71
B16	117+80.09	61.69' RT	245,127.63	571,411.04	805.66
B17	117+90.09	61.68' RT	245,119.41	571,416.74	805.66
B18	117+90.01	66.68' RT	245,116.62	571,412.58	805.73
B19	117+80.05	16.15' RT	245,153.57	571,448.47	806.20
B20	117+90.05	16.08' RT	245,145.39	571,454.22	806.21
B21	117+90.04	9.12' RT	245,149.35	571,459.94	806.25
B22	117+80.04	9.04' RT	245,157.62	571,454.32	806.15
B23	117+80.03	8.17' LT	245,167.42	571,468.46	805.91
B24	117+90.03	8.32' LT	245,159.28	571,474.27	806.03
B25	117+90.03	13.41' LT	245,162.18	571,478.45	806.36
B26	117+80.02	14.88' LT	245,171.24	571,473.97	806.40

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
B27	117+86.20	99.81' RT	245,100.91	571,383.17	805.98
B28	117+79.38	107.27' RT	245,102.28	571,373.15	806.18
B29	117+72.20	101.64' RT	245,111.39	571,373.70	806.00
B30	117+63.59	98.60' RT	245,120.19	571,371.30	805.94
B31	117+50.96	15.99' RT	245,177.58	571,432.05	MATCH EX.
B32	117+50.98	8.92' RT	245,181.59	571,437.88	MATCH EX.
B33	117+50.93	8.55' LT	245,191.57	571,452.22	MATCH EX.
B34	117+50.95	15.82' LT	245,195.69	571,458.20	MATCH EX.
B35	117+54.09	94.90' RT	245,130.12	571,368.94	805.98
B36	117+55.48	87.02' RT	245,133.45	571,376.21	805.86
B37	117+36.83	58.73' RT	245,164.89	571,388.86	MATCH EX.
B38	117+37.40	59.91' RT	245,163.74	571,388.22	MATCH EX.

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CURB RAMP DETAILS LOOMIS ROAD - NE AND NW QUADRANTS	SHEET 66	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021302-cr
PLOT DATE : 7/2/2024 8:18 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:10 FT



(A) WARNING FIELD AREA = 22.83'
BACK OF CURB RADIUS = 29.00'
LONG CHORD = 11.13'
XR = 7.69'

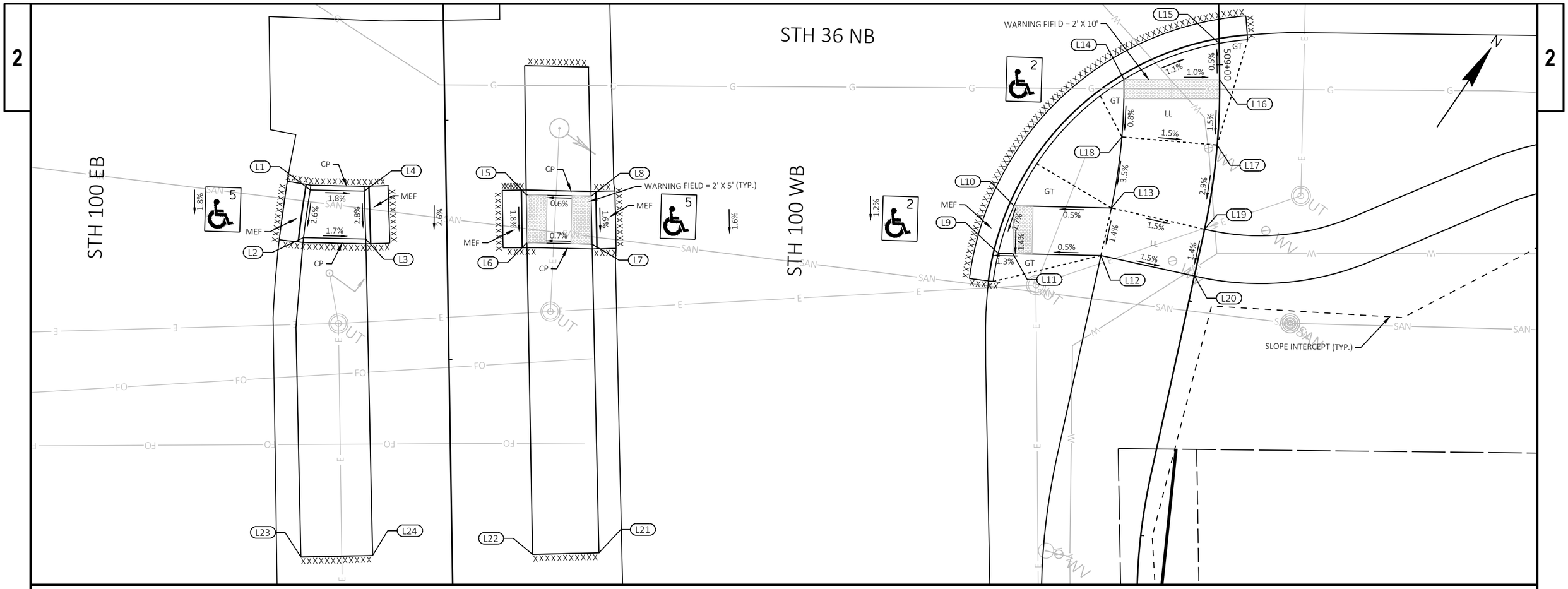
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
K1	117+79.99	57.78' LT	245,195.68	571,509.23	805.68
K2	117+89.98	62.87' LT	245,190.36	571,519.11	805.52
K3	117+79.98	65.47' LT	245,200.06	571,515.55	805.61
K4	117+79.98	70.99' LT	245,203.21	571,520.09	805.57
K5	117+89.98	71.00' LT	245,194.99	571,525.79	805.48
K6	117+89.98	81.00' LT	245,200.68	571,534.01	805.33
K7	117+97.08	81.00' LT	245,194.84	571,538.05	805.22
K8	117+97.08	71.00' LT	245,189.15	571,529.83	805.39
K9	118+00.68	81.00' LT	245,191.87	571,540.10	805.15
K10	118+42.19	81.00' LT	245,157.74	571,563.72	805.39
K11	118+42.30	71.00' LT	245,151.96	571,555.56	805.60
K12	118+51.36	71.15' LT	245,144.60	571,560.84	805.50
K13	118+51.24	81.16' LT	245,150.38	571,569.00	805.22
K14	118+71.57	81.26' LT	245,136.68	571,579.22	805.02
K15	118+71.32	71.26' LT	245,130.87	571,571.07	805.24

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
K16	118+75.36	71.24' LT	245,127.63	571,573.49	805.17
K17	118+76.34	81.24' LT	245,132.86	571,582.06	804.97
K18	118+42.04	94.05' LT	245,165.29	571,574.36	MATCH EX.
K19	118+51.12	94.16' LT	245,157.88	571,579.62	MATCH EX.

LEGEND

X	CURB RAMP TYPE X
LL	LEVEL LANDING
CP	CONCRETE CURB PEDESTRIAN
GT	GRASS TERRACE - 6:1 GRADED FLARE; CURB HEAD TRANSITION REQ'D.
PT	PAVED TERRACE - 10:1 CONCRETE FLARE; CURB HEAD TRANSITION REQ'D.
MEF	TECHNICAL INFEASABILITY PRESENT; CONSTRUCT TO MAXIMUM EXTENT FEASIBLE.
XXX	POINT NUMBER
	DETECTABLE WARNING FIELD

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CURB RAMP DETAILS LOOMIS ROAD - NE AND NW QUADRANTS	SHEET 67	E



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
L1	119+32.04	14.22' RT	245,030.96	571,539.28	805.19
L2	119+37.01	14.99' RT	245,026.52	571,541.65	805.06
L3	119+37.27	8.49' RT	245,030.23	571,547.00	804.95
L4	119+32.26	8.56' RT	245,034.18	571,543.93	805.09
L5	119+32.92	8.36' LT	245,043.83	571,557.85	805.28
L6	119+37.92	8.35' LT	245,039.83	571,560.85	805.19
L7	119+38.19	15.16' LT	245,043.71	571,566.45	805.24
L8	119+33.18	15.14' LT	245,047.70	571,563.43	805.32
L9	119+39.84	57.59' LT	245,067.90	571,601.35	804.66
L10	119+34.91	59.32' LT	245,072.88	571,599.77	804.75
L11	119+39.90	59.13' LT	245,068.77	571,602.61	804.68
L12	119+40.26	68.33' LT	245,074.02	571,610.18	804.73
L13	119+35.30	69.50' LT	245,078.68	571,608.14	804.80
L14	119+21.91	71.04' LT	245,090.31	571,601.31	805.11
L15	119+18.29	81.05' LT	245,099.22	571,607.14	804.99

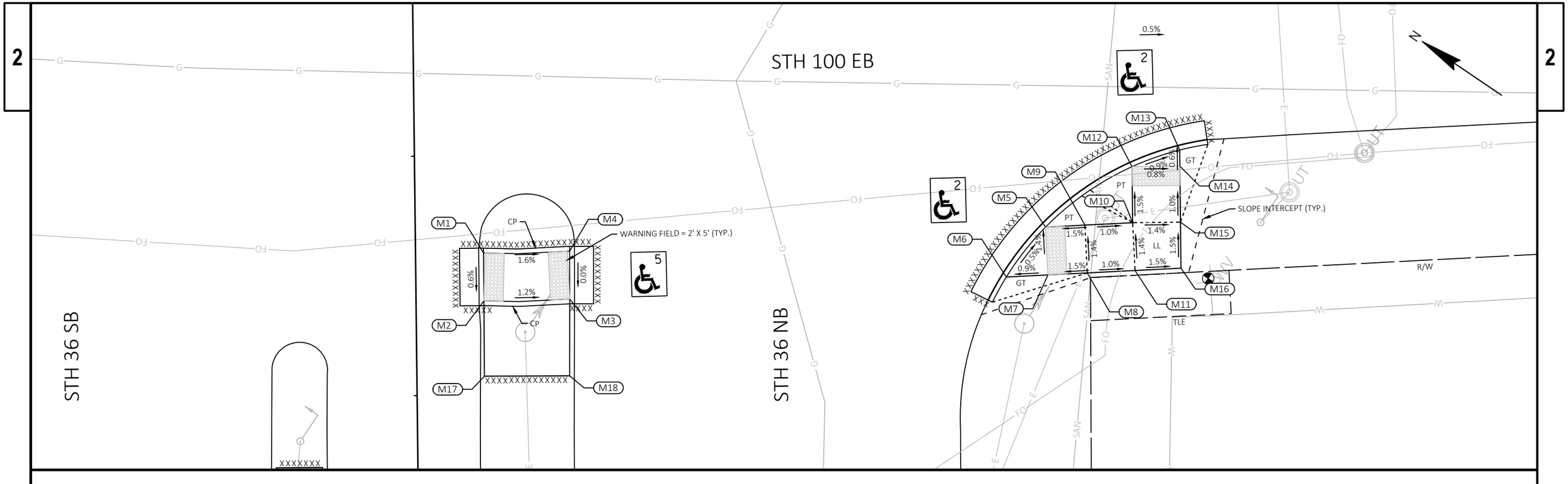
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
L16	119+22.09	81.03' LT	245,096.18	571,609.41	805.01
L17	119+28.91	80.68' LT	245,090.51	571,613.22	804.91
L18	119+27.90	70.73' LT	245,085.34	571,604.67	805.06
L19	119+37.69	79.21' LT	245,082.61	571,617.33	804.65
L20	119+42.56	78.06' LT	245,078.03	571,619.34	804.58
L21	119+70.46	15.34' LT	245,018.03	571,586.00	MATCH EX.
L22	119+70.50	8.41' LT	245,013.83	571,580.48	MATCH EX.
L23	119+70.38	15.82' RT	244,999.35	571,561.05	MATCH EX.
L24	119+70.35	8.32' RT	245,003.89	571,567.02	MATCH EX.

LEGEND

X	CURB RAMP TYPE X
LL	LEVEL LANDING
CP	CONCRETE CURB PEDESTRIAN
GT	GRASS TERRACE - 6:1 GRADED FLARE; CURB HEAD TRANSITION REQ'D.
PT	PAVED TERRACE - 10:1 CONCRETE FLARE; CURB HEAD TRANSITION REQ'D.
MEF	TECHNICAL INFEASABILITY PRESENT; CONSTRUCT TO MAXIMUM EXTENT FEASIBLE.
XXX	POINT NUMBER
	DETECTABLE WARNING FIELD

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CURB RAMP DETAILS LOOMIS ROAD - NE AND NW QUADRANTS	SHEET 68	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021304-cr
PLOT DATE : 7/2/2024 8:19 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

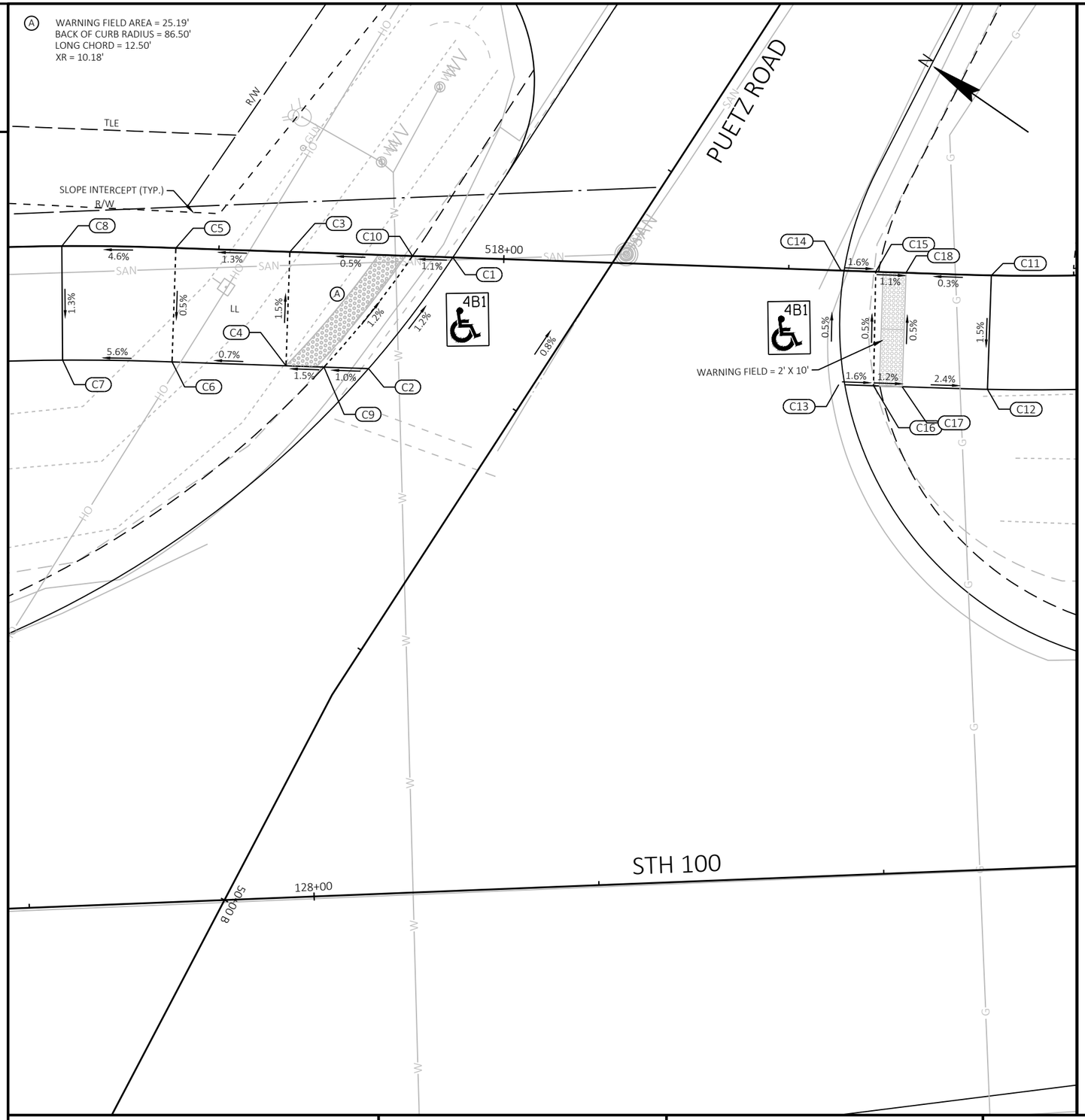


STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
M1	118+62.13	64.48' RT	245,056.60	571,457.08	805.66
M2	118+61.93	69.48' RT	245,053.76	571,452.97	805.63
M3	118+70.89	69.75' RT	245,046.43	571,458.14	805.52
M4	118+71.14	64.75' RT	245,049.24	571,462.29	805.52
M5	119+20.95	64.75' RT	245,009.44	571,492.23	804.61
M6	119+16.59	69.75' RT	245,009.92	571,485.62	804.64
M7	119+20.95	69.75' RT	245,006.44	571,488.23	804.68
M8	119+25.07	69.75' RT	245,003.14	571,490.71	804.74
M9	119+25.07	64.75' RT	245,006.15	571,494.71	804.67
M10	119+30.07	64.75' RT	245,002.15	571,497.71	804.62
M11	119+30.07	69.75' RT	244,999.15	571,493.72	804.69
M12	119+30.30	58.91' RT	245,005.48	571,502.52	804.53
M13	119+35.36	57.42' RT	245,002.33	571,506.75	804.48
M14	119+35.29	59.10' RT	245,001.38	571,505.37	804.49
M15	119+35.07	64.94' RT	244,998.04	571,500.56	804.55

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
M16	119+34.88	69.75' RT	244,995.30	571,496.61	804.62
M17	118+61.58	77.34' RT	245,049.31	571,446.47	MATCH EX.
M18	118+70.48	77.75' RT	245,041.95	571,451.50	MATCH EX.

LEGEND

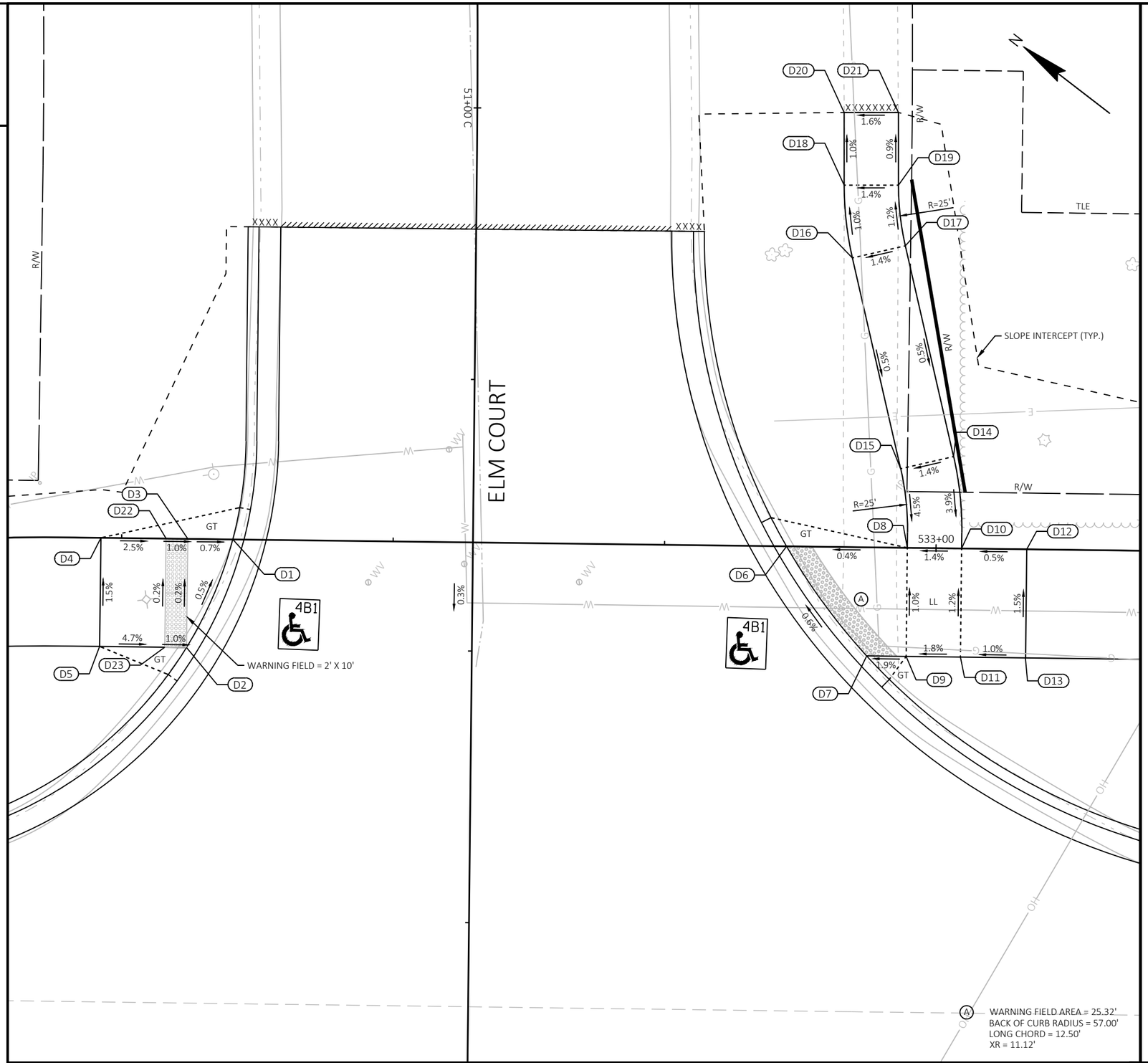
X	CURB RAMP TYPE X
LL	LEVEL LANDING
CP	CONCRETE CURB PEDESTRIAN
GT	GRASS TERRACE - 6:1 GRADED FLARE; CURB HEAD TRANSITION REQ'D.
PT	PAVED TERRACE - 10:1 CONCRETE FLARE; CURB HEAD TRANSITION REQ'D.
MEF	TECHNICAL INFEASABILITY PRESENT; CONSTRUCT TO MAXIMUM EXTENT FEASIBLE.
XXX	POINT NUMBER
	DETECTABLE WARNING FIELD



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
C1	128+14.39	55.53' LT	244,367.83	572,125.51	791.01
C2	128+06.61	46.08' LT	244,368.36	572,113.28	791.16
C3	128+00.12	56.59' LT	244,379.87	572,117.78	790.92
C4	127+99.39	46.61' LT	244,374.46	572,109.36	791.07
C5	127+90.15	57.32' LT	244,388.28	572,112.37	791.05
C6	127+89.41	47.35' LT	244,382.87	572,103.96	791.00
C7	127+79.84	47.89' LT	244,390.85	572,098.63	790.46
C8	127+80.17	57.89' LT	244,396.60	572,106.82	790.59
C9	128+02.71	46.37' LT	244,371.65	572,111.17	791.12
C10	128+10.86	55.79' LT	244,370.81	572,123.60	790.97
C11	128+61.52	52.07' LT	244,328.09	572,151.08	790.54
C12	128+60.78	42.10' LT	244,322.69	572,142.67	790.39
C13	128+47.76	43.04' LT	244,333.66	572,135.59	790.65
C14	128+48.36	53.02' LT	244,339.17	572,143.93	790.60
C15	128+51.39	52.80' LT	244,336.62	572,145.57	790.55
C16	128+50.80	42.81' LT	244,331.09	572,137.24	790.60
C17	128+53.31	42.63' LT	244,328.98	572,138.60	790.57
C18	128+54.04	52.60' LT	244,334.38	572,147.01	790.52

LEGEND

X	CURB RAMP TYPE X
LL	LEVEL LANDING
CP	CONCRETE CURB PEDESTRIAN
GT	GRASS TERRACE - 6:1 GRADED FLARE; CURB HEAD TRANSITION REQ'D.
PT	PAVED TERRACE - 10:1 CONCRETE FLARE; CURB HEAD TRANSITION REQ'D.
MEF	TECHNICAL INFEASABILITY PRESENT; CONSTRUCT TO MAXIMUM EXTENT FEASIBLE.
XXX	POINT NUMBER
	DETECTABLE WARNING FIELD

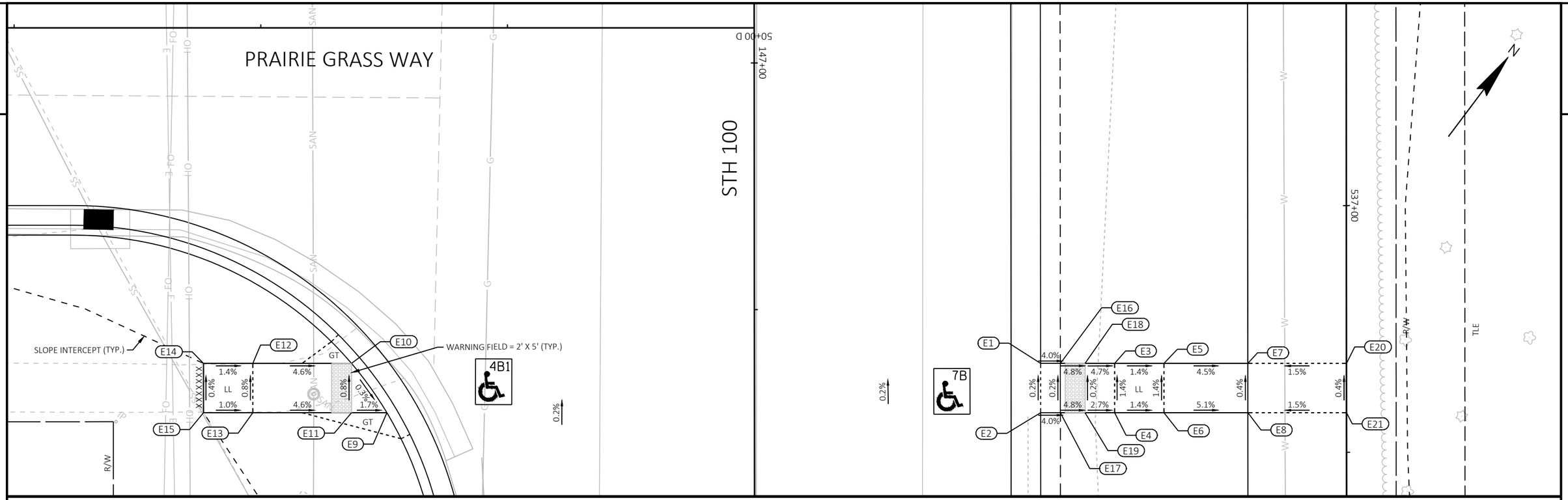


STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
D1	142+49.74	60.00' LT	243,223.57	572,992.06	790.17
D2	142+45.60	50.00' LT	243,220.87	572,981.58	790.22
D3	142+45.60	60.00' LT	243,226.88	572,989.57	790.20
D4	142+37.60	60.00' LT	243,233.27	572,984.76	790.37
D5	142+37.60	50.00' LT	243,227.26	572,976.77	790.52
D6	143+00.74	60.00' LT	243,182.82	573,022.72	790.35
D7	143+08.24	50.00' LT	243,170.81	573,019.24	790.42
D8	143+11.86	60.00' LT	243,173.93	573,029.41	790.39
D9	143+11.88	50.00' LT	243,167.90	573,021.43	790.49
D10	143+16.86	60.00' LT	243,169.94	573,032.41	790.46
D11	143+16.88	50.00' LT	243,163.91	573,024.44	790.58
D12	143+22.86	60.00' LT	243,165.14	573,036.02	790.49
D13	143+22.86	50.00' LT	243,159.13	573,028.03	790.64
D14	143+16.01	68.45' LT	243,175.69	573,038.66	790.79
D15	143+11.15	67.27' LT	243,178.87	573,034.79	790.72
D16	143+06.47	86.62' LT	243,194.24	573,047.44	790.82
D17	143+11.33	87.79' LT	243,191.07	573,051.30	790.89
D18	143+05.63	93.30' LT	243,198.93	573,052.28	790.75
D19	143+10.63	93.37' LT	243,194.97	573,055.33	790.82
D20	143+05.55	100.00' LT	243,203.02	573,057.58	MATCH EX.
D21	143+10.55	100.06' LT	243,199.07	573,060.63	MATCH EX.
D22	142+43.60	60.00' LT	243,228.48	572,988.37	790.22

LEGEND

X	CURB RAMP TYPE X
LL	LEVEL LANDING
CP	CONCRETE CURB PEDESTRIAN
GT	GRASS TERRACE - 6:1 GRADED FLARE; CURB HEAD TRANSITION REQ'D.
PT	PAVED TERRACE - 10:1 CONCRETE FLARE; CURB HEAD TRANSITION REQ'D.
MEF	TECHNICAL INFEASABILITY PRESENT; CONSTRUCT TO MAXIMUM EXTENT FEASIBLE.
XXX	POINT NUMBER
	DETECTABLE WARNING FIELD

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CURB RAMP DETAILS ELM COURT - NE AND NW QUADRANTS	SHEET 71 E



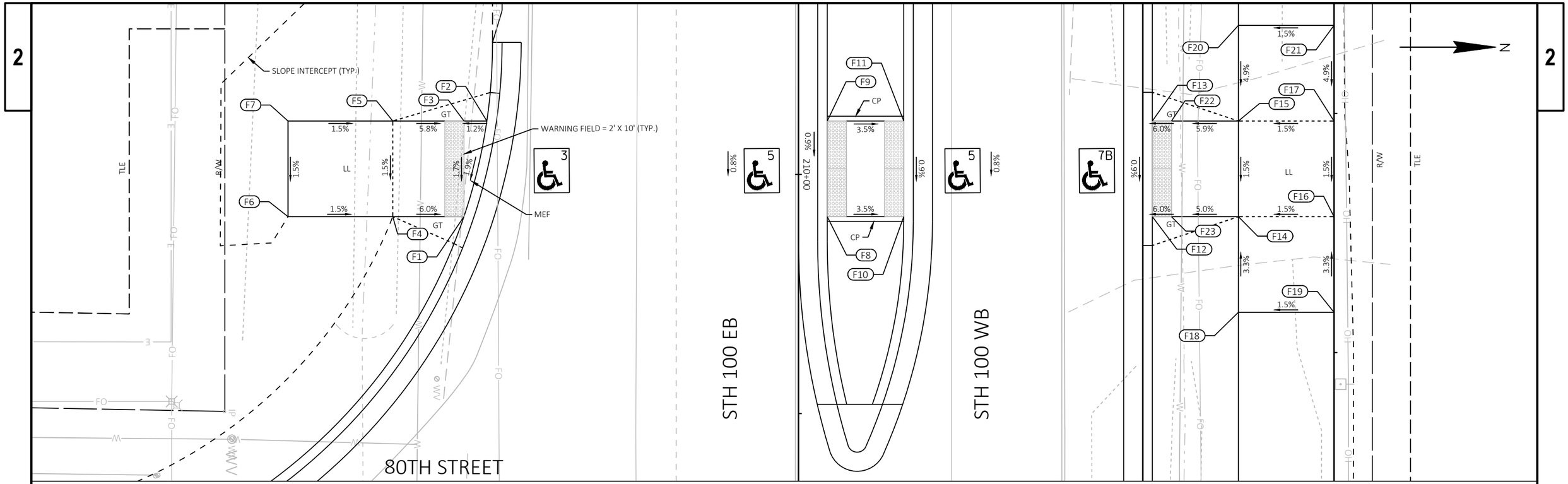
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
E1	147+30.47	29.00' LT	242,820.79	573,256.32	791.61
E2	147+35.47	29.00' LT	242,816.80	573,259.33	791.62
E3	147+30.48	36.50' LT	242,825.30	573,262.32	791.27
E4	147+35.47	36.50' LT	242,821.30	573,265.32	791.34
E5	147+30.48	41.50' LT	242,828.30	573,266.31	791.20
E6	147+35.48	41.50' LT	242,824.30	573,269.32	791.27
E7	147+30.49	50.00' LT	242,833.40	573,273.11	790.82
E8	147+35.49	50.00' LT	242,829.41	573,276.12	790.84
E9	147+35.41	37.25' RT	242,777.01	573,206.35	791.72
E10	147+30.41	40.84' RT	242,778.85	573,200.48	791.74
E11	147+35.41	40.84' RT	242,774.85	573,203.48	791.78
E12	147+30.40	50.84' RT	242,772.84	573,192.48	792.20
E13	147+35.40	50.84' RT	242,768.85	573,195.49	792.24
E14	147+30.40	55.84' RT	242,769.84	573,188.49	MATCH EX.
E15	147+35.40	55.84' RT	242,765.84	573,191.49	MATCH EX.

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
E16	147+30.47	31.00' LT	242,821.99	573,257.92	791.53
E17	147+35.47	31.00' LT	242,818.00	573,260.93	791.54
E18	147+30.47	33.50' LT	242,823.49	573,259.92	791.41
E19	147+35.47	33.50' LT	242,819.50	573,262.92	791.42
E20	147+30.49	60.00' LT	242,839.41	573,281.11	790.97
E21	147+35.49	60.00' LT	242,835.41	573,284.11	790.99

LEGEND

X	CURB RAMP TYPE X
LL	LEVEL LANDING
CP	CONCRETE CURB PEDESTRIAN
GT	GRASS TERRACE - 6:1 GRADED FLARE; CURB HEAD TRANSITION REQ'D.
PT	PAVED TERRACE - 10:1 CONCRETE FLARE; CURB HEAD TRANSITION REQ'D.
MEF	TECHNICAL INFEASABILITY PRESENT; CONSTRUCT TO MAXIMUM EXTENT FEASIBLE.
XXX	POINT NUMBER
	DETECTABLE WARNING FIELD

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CURB RAMP DETAILS PRAIRIE GRASS WAY - NE AND SE QUADRANTS	SHEET 72	E



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
F1	210+04.41	34.99' RT	239,046.74	577,590.57	756.16
F2	209+94.41	32.60' RT	239,049.14	577,580.57	756.36
F3	209+94.41	34.99' RT	239,046.74	577,580.57	756.33
F4	210+04.41	42.44' RT	239,039.30	577,590.57	756.61
F5	209+94.41	42.44' RT	239,039.29	577,580.57	756.76
F6	210+04.41	53.39' RT	239,028.34	577,590.58	756.77
F7	209+94.41	53.39' RT	239,028.34	577,580.58	756.92
F8	210+04.41	3.00' LT	239,084.73	577,590.57	756.96
F9	209+94.41	3.00' LT	239,084.74	577,580.57	757.05
F10	210+04.41	11.00' LT	239,092.73	577,590.57	756.68
F11	209+94.42	11.00' LT	239,092.74	577,580.57	756.77
F12	210+04.41	37.00' LT	239,118.73	577,590.56	756.35
F13	209+94.41	37.00' LT	239,118.73	577,580.56	756.44
F14	210+04.41	46.00' LT	239,127.73	577,590.56	756.82
F15	209+94.41	46.00' LT	239,127.73	577,580.56	756.97

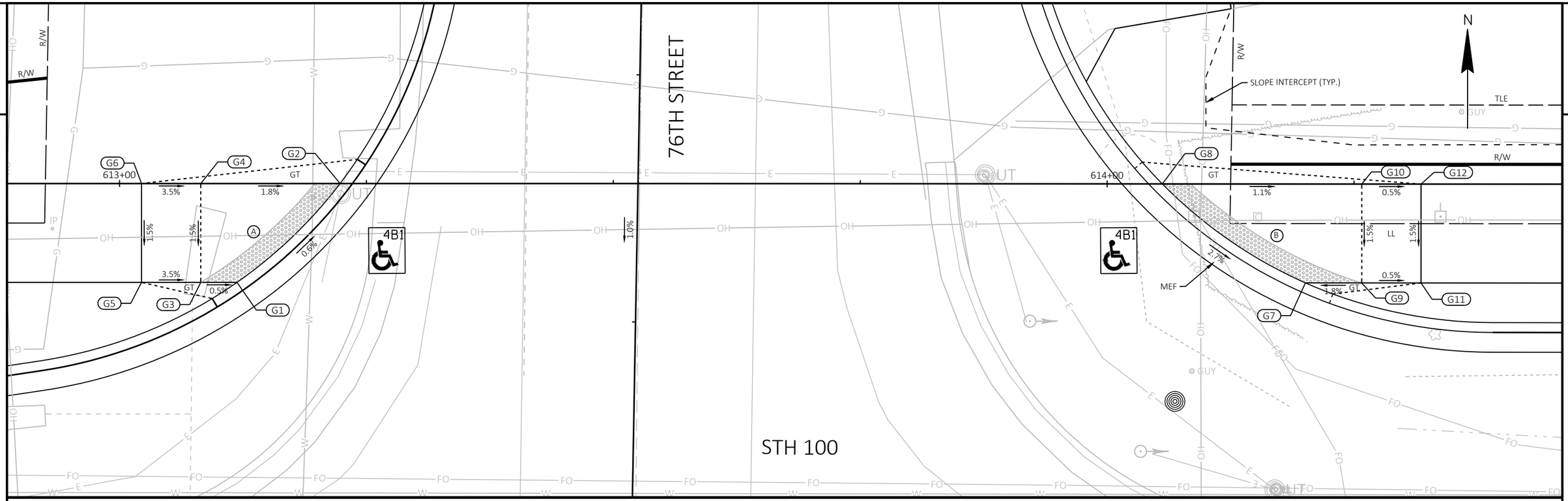
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
F16	210+04.41	56.00' LT	239,137.73	577,590.56	756.97
F17	209+94.41	56.00' LT	239,137.73	577,580.56	757.12
F18	210+14.41	46.00' LT	239,127.74	577,600.56	757.15
F19	210+14.41	56.00' LT	239,137.74	577,600.56	757.30
F20	209+84.41	46.00' LT	239,127.73	577,570.56	757.46
F21	209+84.41	56.00' LT	239,137.73	577,570.56	757.61
F22	209+94.41	39.00' LT	239,120.73	577,580.56	756.56
F23	210+04.41	39.00' LT	239,120.74	577,590.56	756.47

LEGEND

X	CURB RAMP TYPE X
LL	LEVEL LANDING
CP	CONCRETE CURB PEDESTRIAN
GT	GRASS TERRACE - 6:1 GRADED FLARE; CURB HEAD TRANSITION REQ'D.
PT	PAVED TERRACE - 10:1 CONCRETE FLARE; CURB HEAD TRANSITION REQ'D.
MEF	TECHNICAL INFEASABILITY PRESENT; CONSTRUCT TO MAXIMUM EXTENT FEASIBLE.
XXX	POINT NUMBER
	DETECTABLE WARNING FIELD

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CURB RAMP DETAILS 80TH STREET - NW AND SW QUADRANTS	SHEET 73	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021309-cr
PLOT DATE : 7/2/2024 8:21 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



(A) WARNING FIELD AREA = 29.83'
BACK OF CURB RADIUS = 47.00'
LONG CHORD = 14.46'
XR = 14.11'

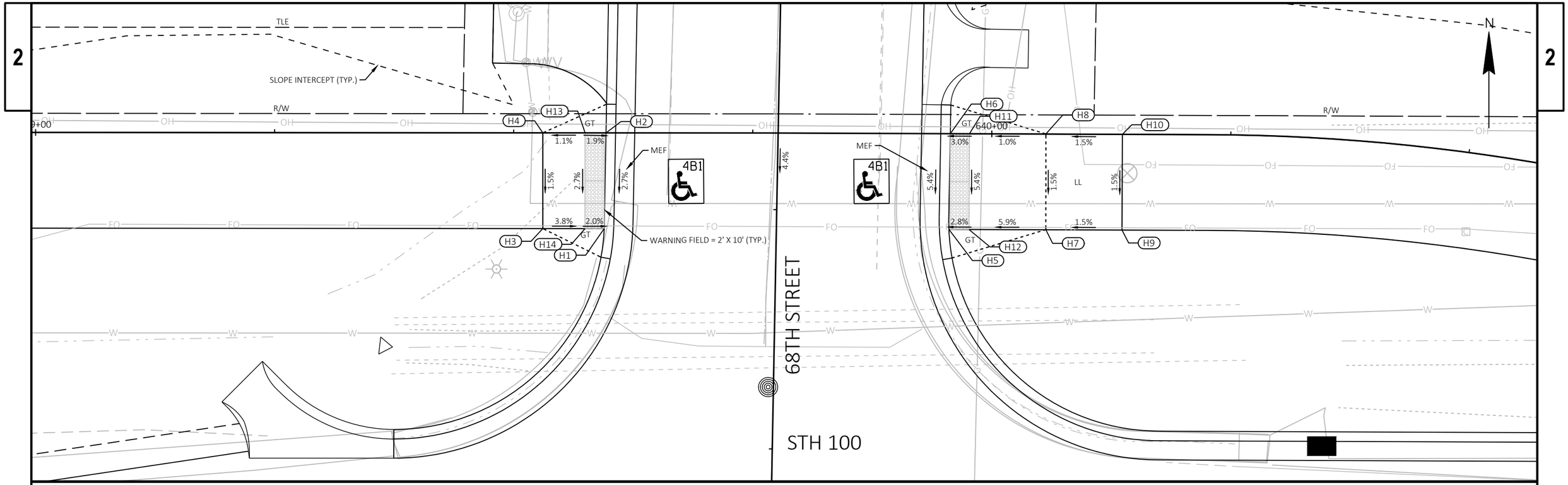
(B) WARNING FIELD AREA = 37.63'
BACK OF CURB RADIUS = 47.00'
LONG CHORD = 17.61'
XR = 20.20'

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
G1	223+55.04	54.00' LT	239,135.94	578,941.18	737.48
G2	223+65.48	64.00' LT	239,145.94	578,951.62	737.40
G3	223+51.37	54.00' LT	239,135.93	578,937.51	737.50
G4	223+51.37	64.00' LT	239,145.93	578,937.51	737.65
G5	223+45.37	54.00' LT	239,135.93	578,931.51	737.71
G6	223+45.37	64.00' LT	239,145.93	578,931.51	737.86
G7	224+63.18	54.00' LT	239,135.90	579,049.36	735.16
G8	224+48.68	64.00' LT	239,145.91	579,034.88	735.64
G9	224+68.88	54.00' LT	239,135.90	579,055.07	735.26
G10	224+68.88	64.00' LT	239,145.90	579,055.08	735.41
G11	224+74.88	54.00' LT	239,135.89	579,061.07	735.23
G12	224+74.88	64.00' LT	239,145.89	579,061.08	735.38

LEGEND

X	CURB RAMP TYPE X
LL	LEVEL LANDING
CP	CONCRETE CURB PEDESTRIAN
GT	GRASS TERRACE - 6:1 GRADED FLARE; CURB HEAD TRANSITION REQ'D.
PT	PAVED TERRACE - 10:1 CONCRETE FLARE; CURB HEAD TRANSITION REQ'D.
MEF	TECHNICAL INFEASABILITY PRESENT; CONSTRUCT TO MAXIMUM EXTENT FEASIBLE.
XXX	POINT NUMBER
	DETECTABLE WARNING FIELD

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CURB RAMP DETAILS 76TH STREET - NE AND NW QUADRANTS	SHEET 74	E



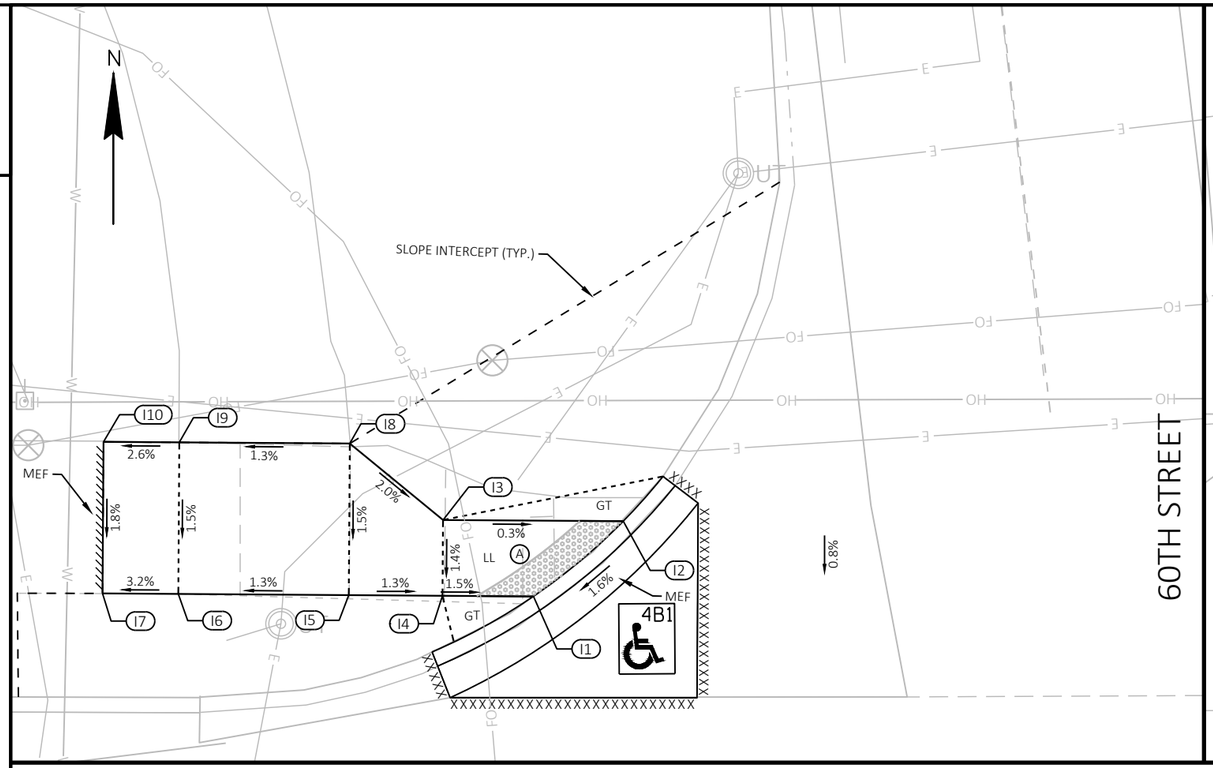
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
H1	249+99.92	48.00' LT	239,128.34	581,586.11	694.99
H2	250+00.11	58.00' LT	239,138.34	581,586.30	695.26
H3	249+93.51	48.00' LT	239,128.34	581,579.69	695.20
H4	249+93.51	58.00' LT	239,138.34	581,579.69	695.35
H5	250+35.84	48.00' LT	239,128.26	581,622.16	694.74
H6	250+35.95	58.00' LT	239,138.26	581,622.31	695.28
H7	250+45.98	48.01' LT	239,128.24	581,632.30	695.27
H8	250+45.95	58.01' LT	239,138.24	581,632.31	695.42
H9	250+53.94	48.00' LT	239,128.19	581,640.27	695.39
H10	250+53.95	57.99' LT	239,138.19	581,640.31	695.54
H11	250+37.95	58.00' LT	239,138.25	581,624.31	695.34
H12	250+37.94	48.00' LT	239,128.25	581,624.27	694.80
H13	249+97.92	58.00' LT	239,138.34	581,584.11	695.30
H14	249+97.93	48.00' LT	239,128.34	581,584.11	695.03

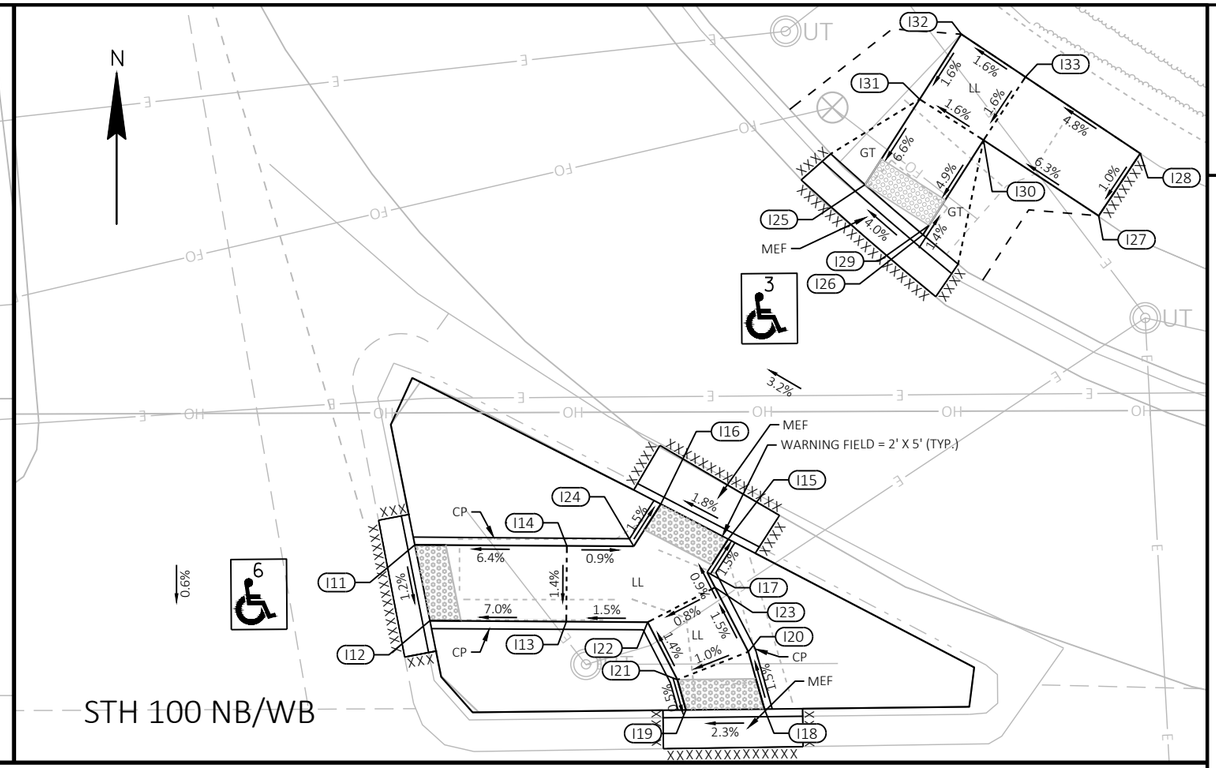
LEGEND

X	CURB RAMP TYPE X
LL	LEVEL LANDING
CP	CONCRETE CURB PEDESTRIAN
GT	GRASS TERRACE - 6:1 GRADED FLARE; CURB HEAD TRANSITION REQ'D.
PT	PAVED TERRACE - 10:1 CONCRETE FLARE; CURB HEAD TRANSITION REQ'D.
MEF	TECHNICAL INFEASABILITY PRESENT; CONSTRUCT TO MAXIMUM EXTENT FEASIBLE.
XXX	POINT NUMBER
	DETECTABLE WARNING FIELD

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CURB RAMP DETAILS 68TH STREET - NE AND NW QUADRANTS	SHEET 75	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021311-cr
PLOT DATE : 7/2/2024 8:22 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42





Ⓐ WARNING FIELD AREA = 16.13'
BACK OF CURB RADIUS = 39.44'
LONG CHORD = 7.73'
XR = 9.63'

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
I1	275+79.79	84.72' LT	239,155.95	584,166.23	692.58
I2	275+85.70	89.70' LT	239,160.91	584,172.16	692.70
I3	275+73.81	89.74' LT	239,160.99	584,160.27	692.74
I4	275+73.79	84.74' LT	239,155.99	584,160.23	692.67
I5	275+67.61	84.76' LT	239,156.03	584,154.05	692.75
I6	275+56.36	84.80' LT	239,156.11	584,142.80	692.60
I7	275+51.36	84.81' LT	239,156.14	584,137.80	MATCH EX.
I8	275+67.64	94.76' LT	239,166.03	584,154.11	MATCH EX.
I9	275+56.39	94.80' LT	239,166.11	584,142.86	MATCH EX.
I10	275+51.39	94.81' LT	239,166.14	584,137.87	MATCH EX.
I11	276+61.66	89.30' LT	239,160.41	584,247.50	695.39
I12	276+62.64	84.29' LT	239,155.40	584,248.50	695.33
I13	276+71.64	84.20' LT	239,155.34	584,257.50	695.96
I14	276+71.69	89.20' LT	239,160.34	584,257.53	696.03
I15	276+82.34	89.61' LT	239,160.78	584,268.18	696.03
I16	276+77.89	91.94' LT	239,163.10	584,263.73	695.94
I17	276+80.94	87.44' LT	239,158.61	584,266.79	696.07
I18	276+84.69	78.39' LT	239,149.58	584,270.57	696.21

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
I19	276+79.51	78.35' LT	239,149.52	584,265.39	696.09
I20	276+83.63	82.18' LT	239,153.36	584,269.50	696.15
I21	276+78.95	80.35' LT	239,151.51	584,264.83	696.10
I22	276+77.01	84.15' LT	239,155.31	584,262.87	696.04
I23	276+81.46	86.43' LT	239,157.60	584,267.31	696.08
I24	276+76.10	89.16' LT	239,160.31	584,261.94	695.99
I25	276+91.44	112.97' LT	239,184.18	584,277.20	695.30
I26	276+95.25	109.65' LT	239,180.87	584,281.02	695.50
I27	277+06.85	110.87' LT	239,182.13	584,292.62	MATCH EX.
I28	277+09.60	114.98' LT	239,186.24	584,295.36	MATCH EX.
I29	276+95.64	110.27' LT	239,181.48	584,281.42	695.49
I30	276+99.26	115.89' LT	239,187.12	584,285.02	695.82
I31	276+95.06	118.60' LT	239,189.81	584,280.81	695.74
I32	276+97.82	122.88' LT	239,194.10	584,283.55	695.82
I33	277+02.05	120.04' LT	239,191.28	584,287.79	695.90

LEGEND

X	CURB RAMP TYPE X
LL	LEVEL LANDING
CP	CONCRETE CURB PEDESTRIAN
GT	GRASS TERRACE - 6:1 GRADED FLARE; CURB HEAD TRANSITION REQ'D.
PT	PAVED TERRACE - 10:1 CONCRETE FLARE; CURB HEAD TRANSITION REQ'D.
MEF	TECHNICAL INFEASABILITY PRESENT; CONSTRUCT TO MAXIMUM EXTENT FEASIBLE.
XXX	POINT NUMBER
	DETECTABLE WARNING FIELD

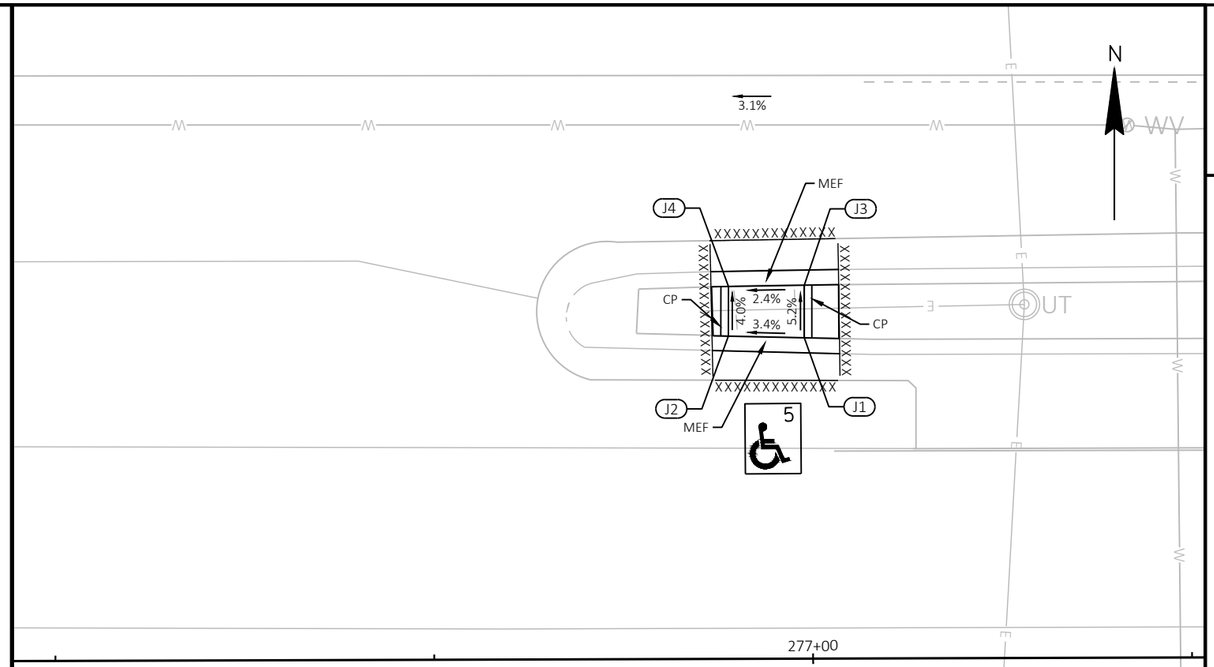
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CURB RAMP DETAILS 60TH STREET - NE AND NW QUADRANTS	SHEET 76	E

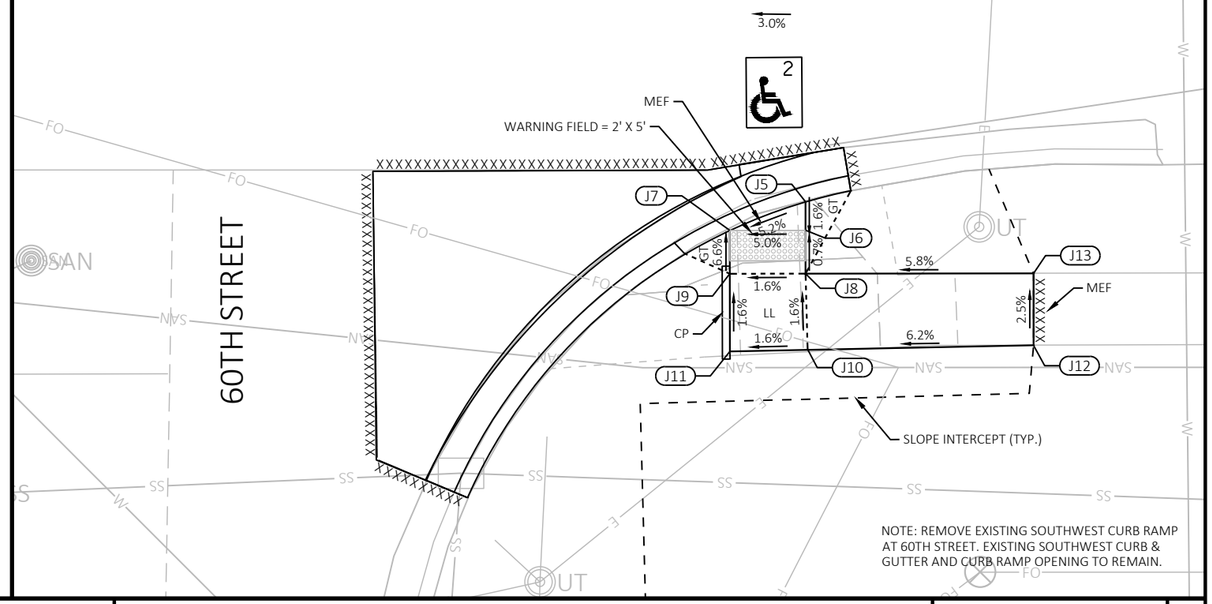
FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021312-cr
PLOT DATE : 7/2/2024 8:23 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
J1	276+99.48	21.18' LT	239,092.41	584,285.55	696.96
J2	276+94.48	21.32' LT	239,092.54	584,280.54	696.79
J3	276+99.49	24.64' LT	239,095.87	584,285.54	696.78
J4	276+94.49	24.57' LT	239,095.78	584,280.54	696.66
J5	276+99.40	28.18' RT	239,043.05	584,285.63	696.57
J6	276+99.40	30.06' RT	239,041.17	584,285.64	696.54
J7	276+94.40	30.05' RT	239,041.16	584,280.64	696.29
J8	276+99.40	32.92' RT	239,038.31	584,285.64	696.56
J9	276+94.40	32.92' RT	239,038.30	584,280.64	696.48
J10	276+99.51	37.92' RT	239,033.31	584,285.78	696.64
J11	276+94.39	38.04' RT	239,033.17	584,280.65	696.56
J12	277+14.43	37.70' RT	239,033.58	584,300.69	MATCH EX.
J13	277+14.44	32.96' RT	239,038.32	584,300.68	MATCH EX.

LEGEND

X	CURB RAMP TYPE X
LL	LEVEL LANDING
CP	CONCRETE CURB PEDESTRIAN
GT	GRASS TERRACE - 6:1 GRADED FLARE; CURB HEAD TRANSITION REQ'D.
PT	PAVED TERRACE - 10:1 CONCRETE FLARE; CURB HEAD TRANSITION REQ'D.
MEF	TECHNICAL INFEASABILITY PRESENT; CONSTRUCT TO MAXIMUM EXTENT FEASIBLE.
XXX	POINT NUMBER
	DETECTABLE WARNING FIELD

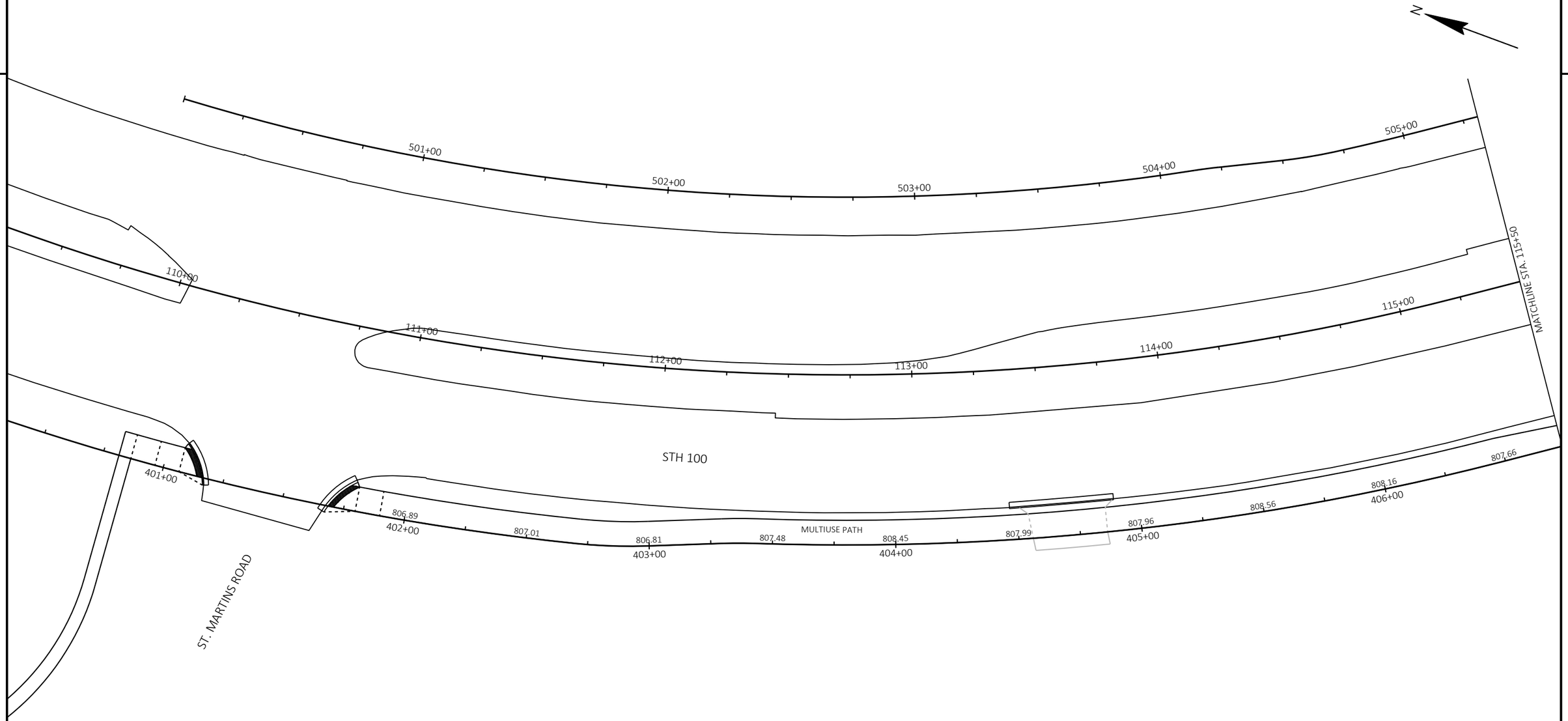




PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CURB RAMP DETAILS 60TH STREET - SE AND SW QUADRANTS	SHEET 77	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021313-cr
PLOT DATE : 7/2/2024 8:23 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2



NOTES:

UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN ON THE PLANS ARE ALONG THE EDGE OF PAVEMENT FOR CURB & GUTTER, THE CONCRETE PAVEMENT JOINT LINE OR THE EDGE OF CONCRETE PAVEMENT FOR CONCRETE PAVEMENT, AND THE EDGE OF HMA SHOULDER FOR HMA SHOULDERS.

LEGEND

- HIGH POINT
- LOW POINT
- * END OF RADIUS
- ** MATCH EXISTING ELEVATION
- STORM SEWER INLET
- STORM SEWER MANHOLE

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVING GRADES	SHEET 78	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021401-JD.DWG
LAYOUT NAME - 0214000-jd
PLOT DATE : 7/12/2024 10:47 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

2

N

506+00

507+00

508+00

509+00

510+00

511+00

804.11

803.25

802.30

801.36

MULTIUSE PATH

STH 100

MATCHLINE STA. 115+50

MATCHLINE STA. 121+50

116+00

117+00

118+00

119+00

120+00

121+00

807.16

407+00

806.76

MULTIUSE PATH

806.46

408+00

806.16

409+00

STH 36
(LOOMIS ROAD)

LEGEND

- HIGH POINT
- LOW POINT
- END OF RADIUS
- MATCH EXISTING ELEVATION
- STORM SEWER INLET
- STORM SEWER MANHOLE

NOTES:

UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN ON THE PLANS ARE ALONG THE EDGE OF PAVEMENT FOR CURB & GUTTER, THE CONCRETE PAVEMENT JOINT LINE OR THE EDGE OF CONCRETE PAVEMENT FOR CONCRETE PAVEMENT, AND THE EDGE OF HMA SHOULDER FOR HMA SHOULDERS.

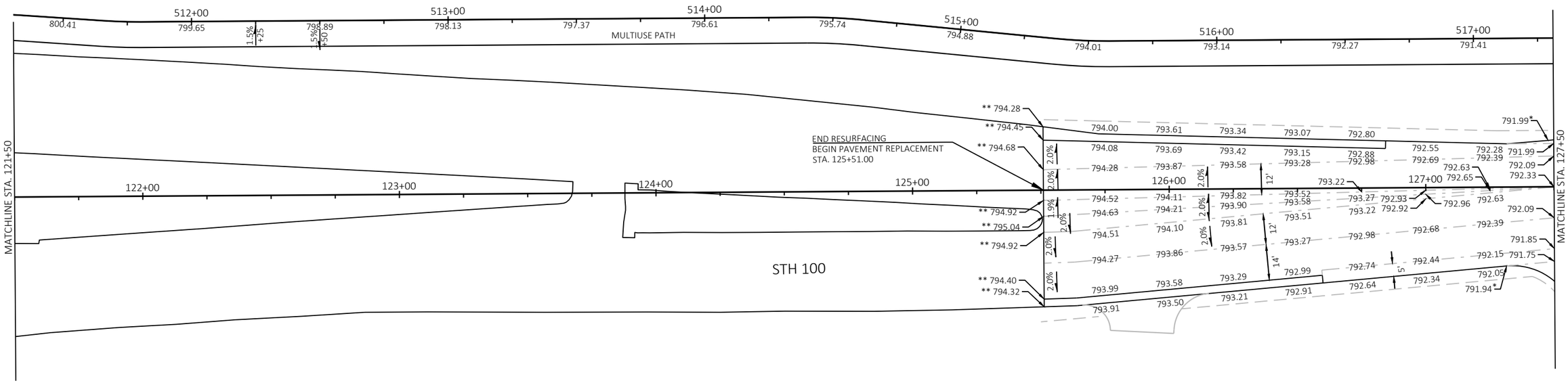
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVING GRADES	SHEET 79	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021401-JD.DWG
LAYOUT NAME - 021400-jd

PLOT DATE : 7/12/2024 10:48 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2



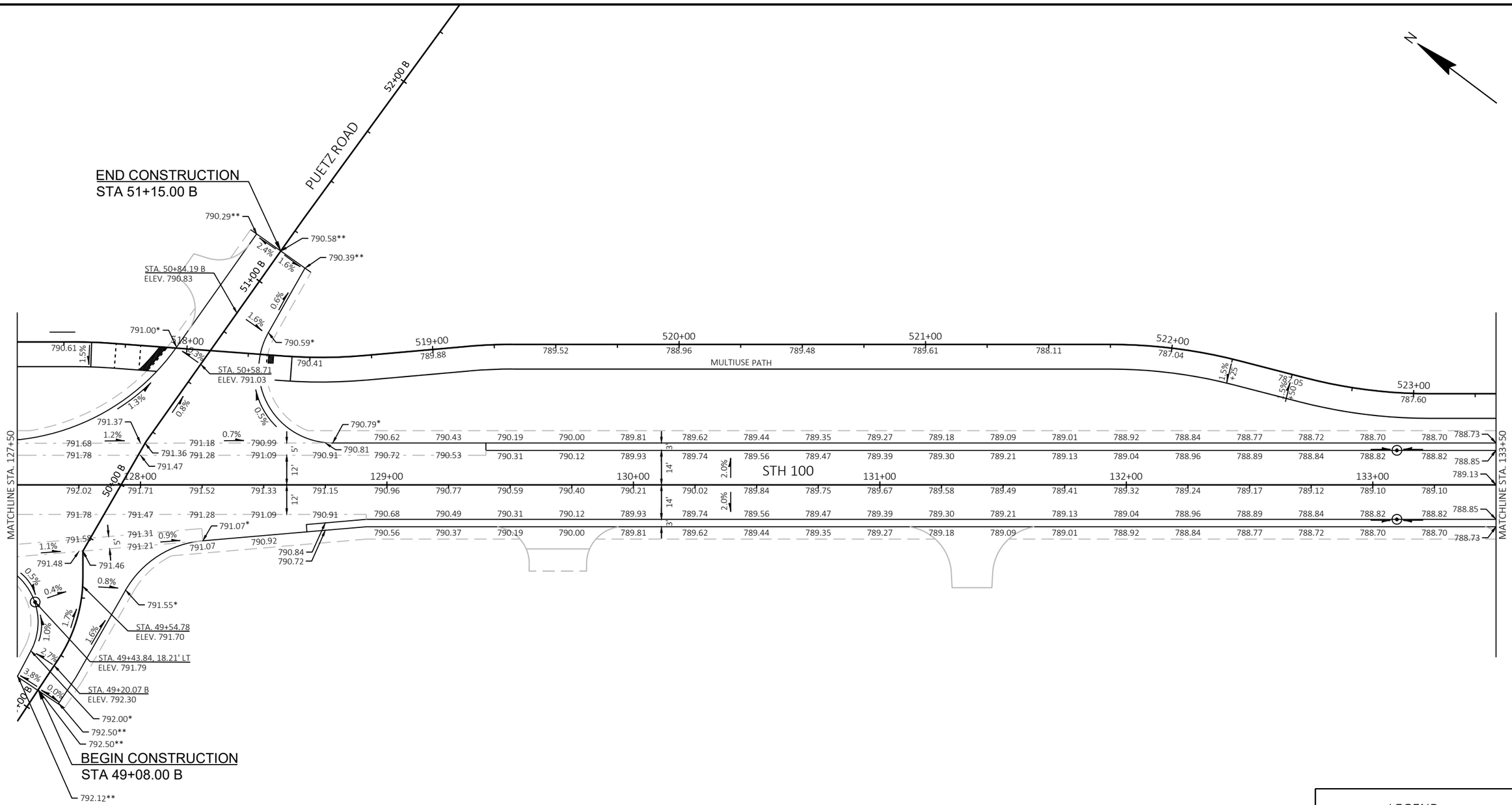
LEGEND

- HIGH POINT
- LOW POINT
- * END OF RADIUS
- ** MATCH EXISTING ELEVATION
- STORM SEWER INLET
- STORM SEWER MANHOLE

NOTES:

UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN ON THE PLANS ARE ALONG THE EDGE OF PAVEMENT FOR CURB & GUTTER, THE CONCRETE PAVEMENT JOINT LINE OR THE EDGE OF CONCRETE PAVEMENT FOR CONCRETE PAVEMENT, AND THE EDGE OF HMA SHOULDER FOR HMA SHOULDERS.

2



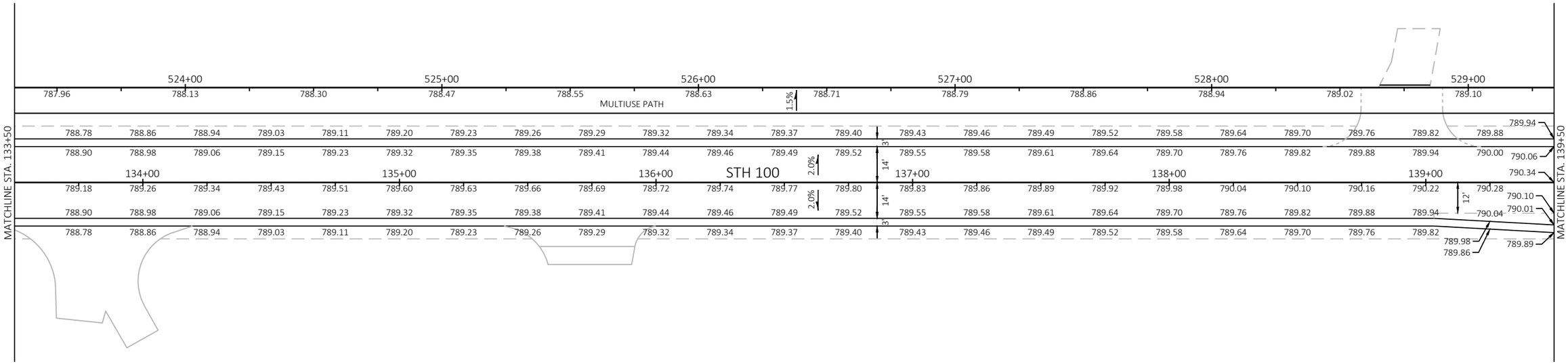
LEGEND

- HIGH POINT
- LOW POINT
- * END OF RADIUS
- ** MATCH EXISTING ELEVATION
- STORM SEWER INLET
- STORM SEWER MANHOLE

NOTES:

UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN ON THE PLANS ARE ALONG THE EDGE OF PAVEMENT FOR CURB & GUTTER, THE CONCRETE PAVEMENT JOINT LINE OR THE EDGE OF CONCRETE PAVEMENT FOR CONCRETE PAVEMENT, AND THE EDGE OF HMA SHOULDER FOR HMA SHOULDERS.

2



NOTES:

UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN ON THE PLANS ARE ALONG THE EDGE OF PAVEMENT FOR CURB & GUTTER, THE CONCRETE PAVEMENT JOINT LINE OR THE EDGE OF CONCRETE PAVEMENT FOR CONCRETE PAVEMENT, AND THE EDGE OF HMA SHOULDER FOR HMA SHOULDERS.

LEGEND

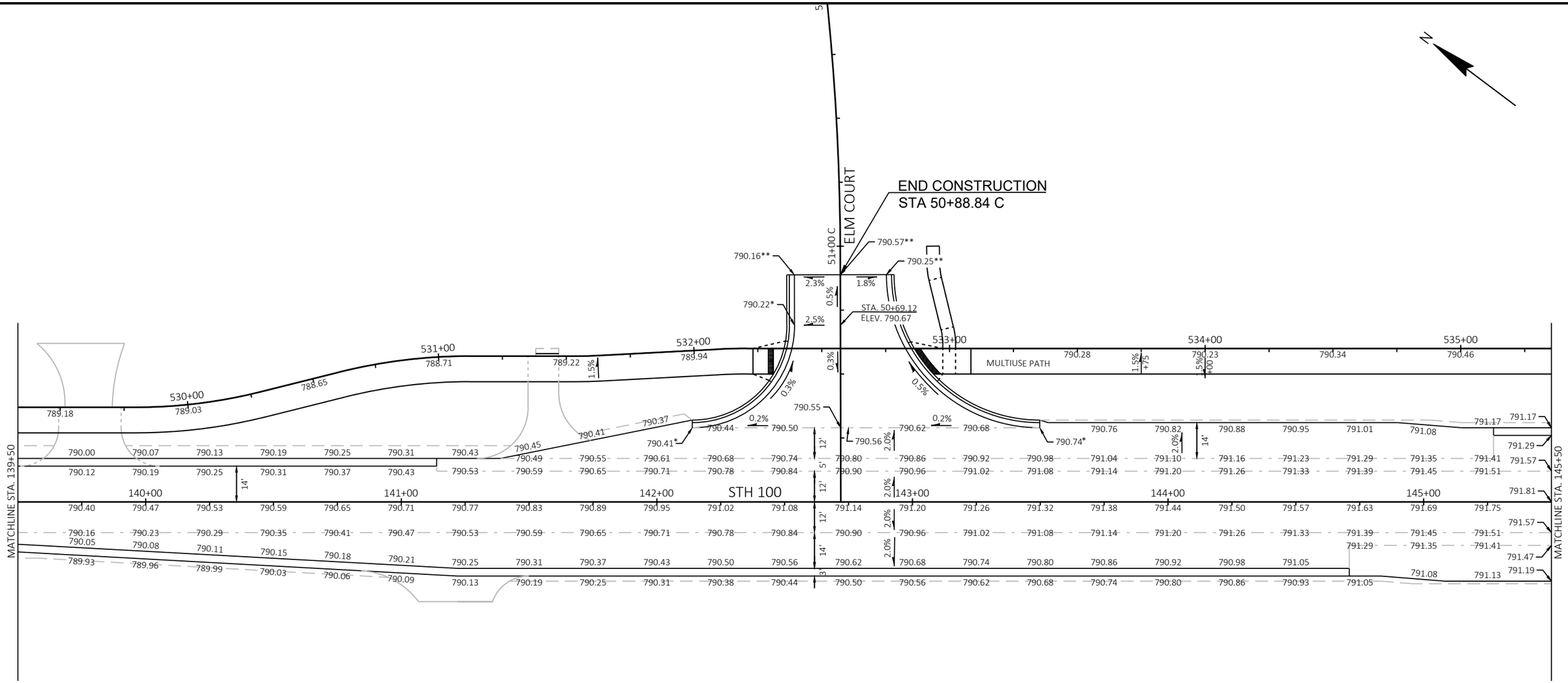
- HIGH POINT
- LOW POINT
- * END OF RADIUS
- ** MATCH EXISTING ELEVATION
- STORM SEWER INLET
- STORM SEWER MANHOLE

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVING GRADES	SHEET 82	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021401-JD.DWG
LAYOUT NAME - 021403-jd

PLOT DATE : 7/12/2024 10:49 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



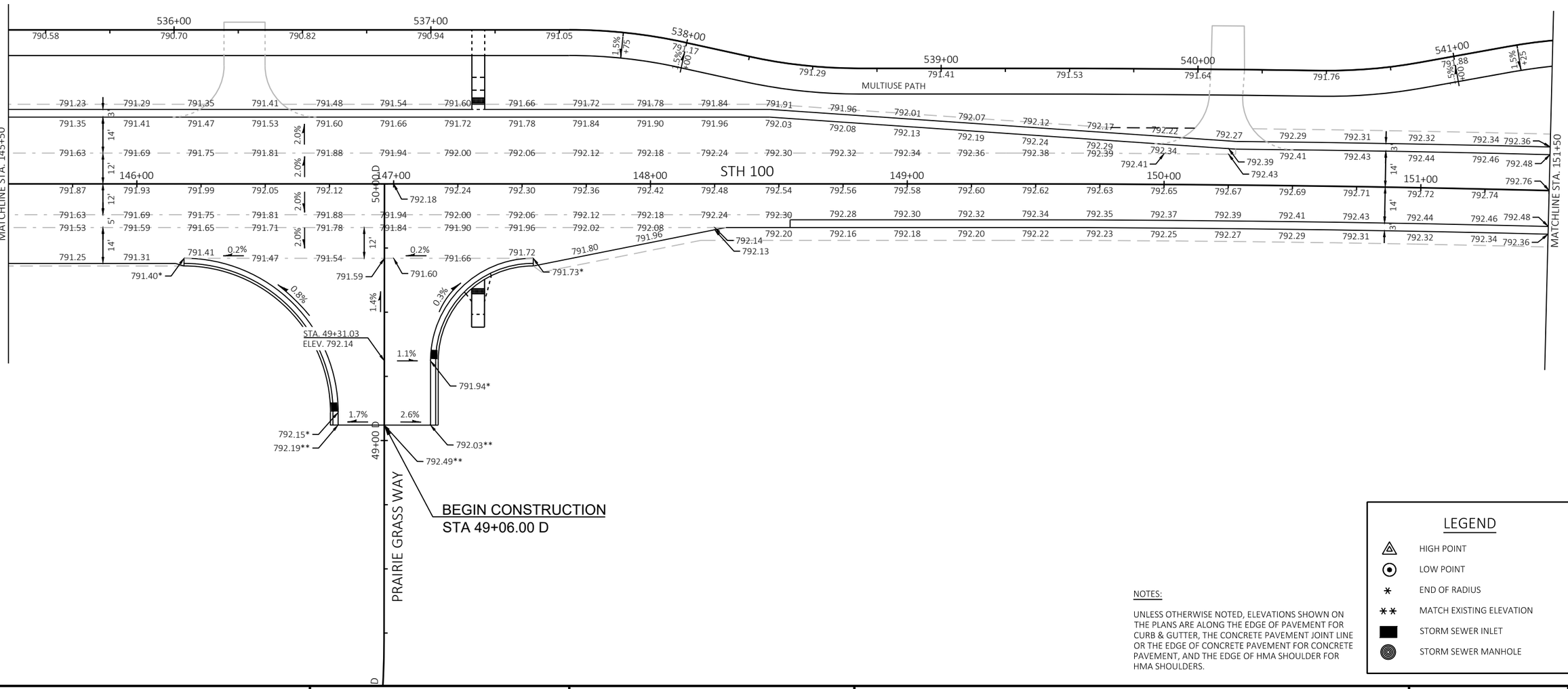
LEGEND

- HIGH POINT
- LOW POINT
- * END OF RADIUS
- ** MATCH EXISTING ELEVATION
- STORM SEWER INLET
- STORM SEWER MANHOLE

NOTES:

UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN ON THE PLANS ARE ALONG THE EDGE OF PAVEMENT FOR CURB & GUTTER, THE CONCRETE PAVEMENT JOINT LINE OR THE EDGE OF CONCRETE PAVEMENT FOR CONCRETE PAVEMENT, AND THE EDGE OF HMA SHOULDER FOR HMA SHOULDERS.

2



LEGEND

- HIGH POINT
- LOW POINT
- END OF RADIUS
- MATCH EXISTING ELEVATION
- STORM SEWER INLET
- STORM SEWER MANHOLE

NOTES:

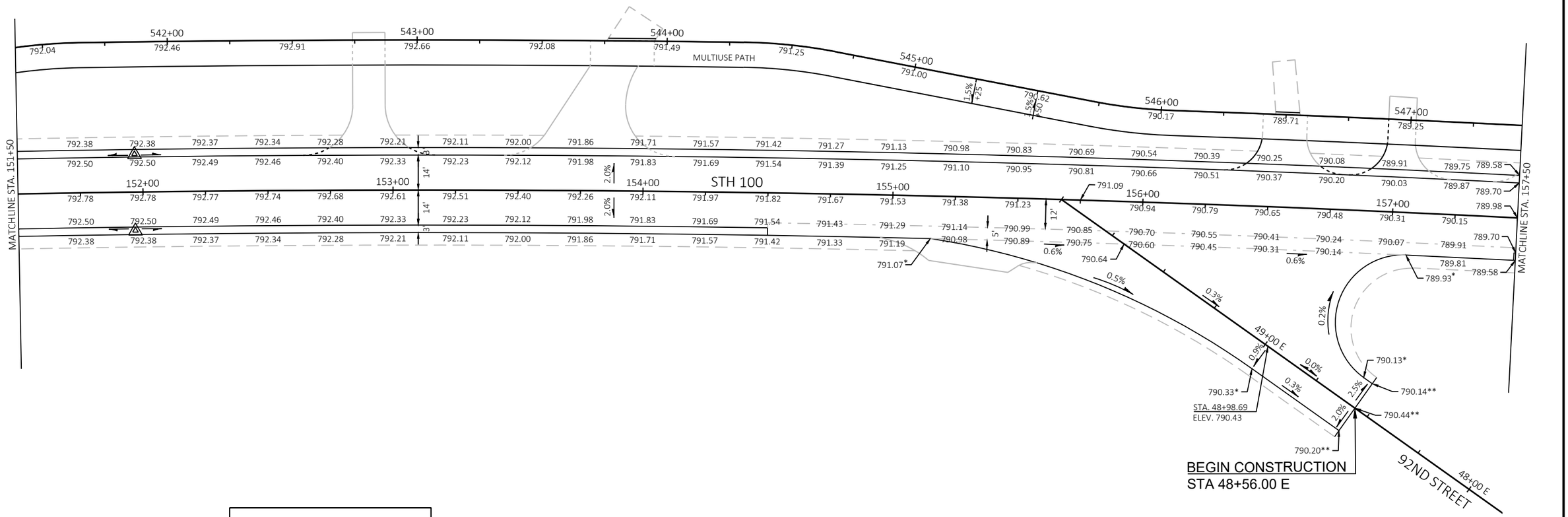
UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN ON THE PLANS ARE ALONG THE EDGE OF PAVEMENT FOR CURB & GUTTER, THE CONCRETE PAVEMENT JOINT LINE OR THE EDGE OF CONCRETE PAVEMENT FOR CONCRETE PAVEMENT, AND THE EDGE OF HMA SHOULDER FOR HMA SHOULDERS.

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVING GRADES	SHEET 84	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021401-JD.DWG
LAYOUT NAME - 021405-jd

PLOT DATE : 7/12/2024 10:49 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

- HIGH POINT
- LOW POINT
- * END OF RADIUS
- ** MATCH EXISTING ELEVATION
- STORM SEWER INLET
- STORM SEWER MANHOLE

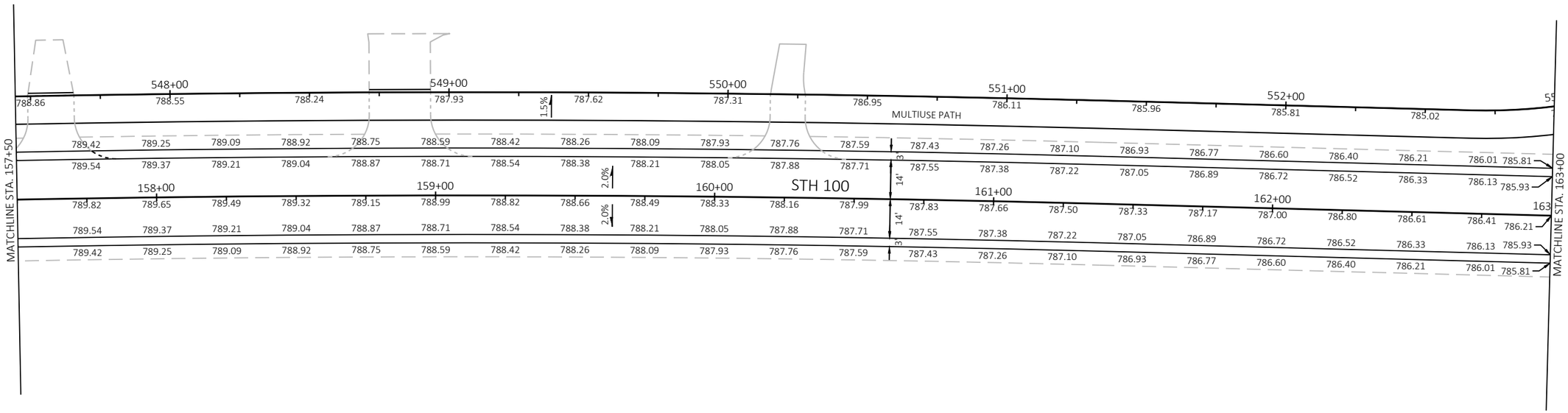
NOTES:

UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN ON THE PLANS ARE ALONG THE EDGE OF PAVEMENT FOR CURB & GUTTER, THE CONCRETE PAVEMENT JOINT LINE OR THE EDGE OF CONCRETE PAVEMENT FOR CONCRETE PAVEMENT, AND THE EDGE OF HMA SHOULDER FOR HMA SHOULDERS.

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVING GRADES	SHEET 85	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021401-JD.DWG
LAYOUT NAME - 021406-jd
PLOT DATE : 7/12/2024 10:50 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



NOTES:

UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN ON THE PLANS ARE ALONG THE EDGE OF PAVEMENT FOR CURB & GUTTER, THE CONCRETE PAVEMENT JOINT LINE OR THE EDGE OF CONCRETE PAVEMENT FOR CONCRETE PAVEMENT, AND THE EDGE OF HMA SHOULDER FOR HMA SHOULDERS.

LEGEND

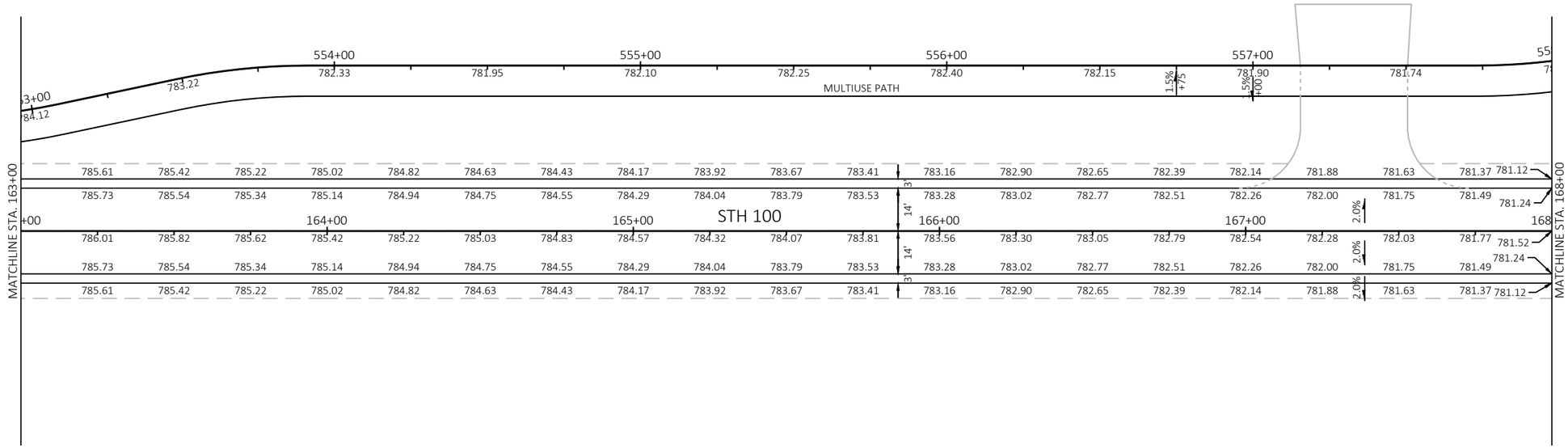
- HIGH POINT
- LOW POINT
- END OF RADIUS
- MATCH EXISTING ELEVATION
- STORM SEWER INLET
- STORM SEWER MANHOLE

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVING GRADES	SHEET 86	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021401-JD.DWG
LAYOUT NAME - 021407-jd

PLOT DATE : 7/12/2024 10:50 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



NOTES:

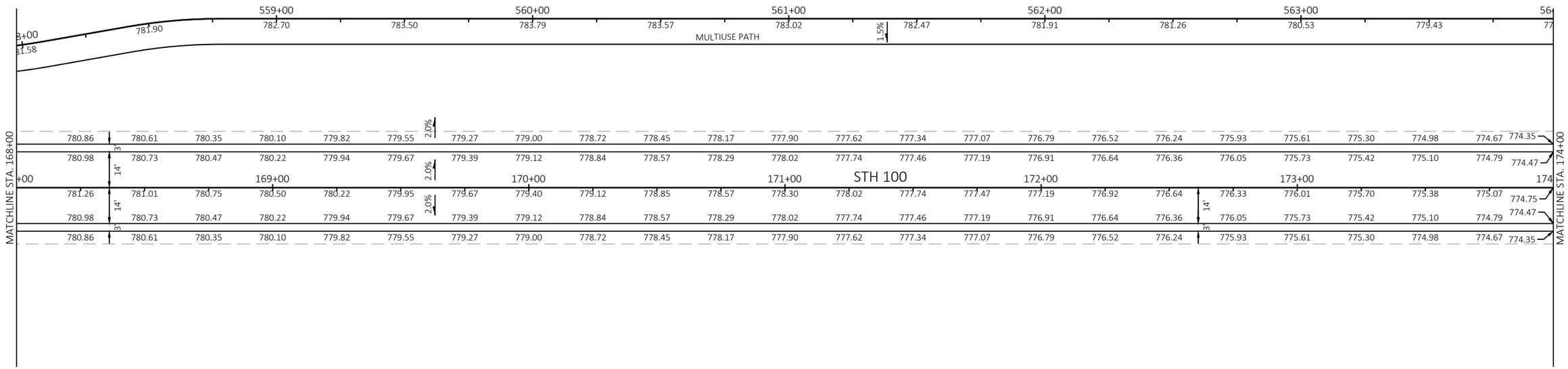
UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN ON THE PLANS ARE ALONG THE EDGE OF PAVEMENT FOR CURB & GUTTER, THE CONCRETE PAVEMENT JOINT LINE OR THE EDGE OF CONCRETE PAVEMENT FOR CONCRETE PAVEMENT, AND THE EDGE OF HMA SHOULDER FOR HMA SHOULDERS.

LEGEND

- HIGH POINT
- LOW POINT
- * END OF RADIUS
- ** MATCH EXISTING ELEVATION
- STORM SEWER INLET
- STORM SEWER MANHOLE

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVING GRADES	SHEET 87	E

2



NOTES:

UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN ON THE PLANS ARE ALONG THE EDGE OF PAVEMENT FOR CURB & GUTTER, THE CONCRETE PAVEMENT JOINT LINE OR THE EDGE OF CONCRETE PAVEMENT FOR CONCRETE PAVEMENT, AND THE EDGE OF HMA SHOULDER FOR HMA SHOULDERS.

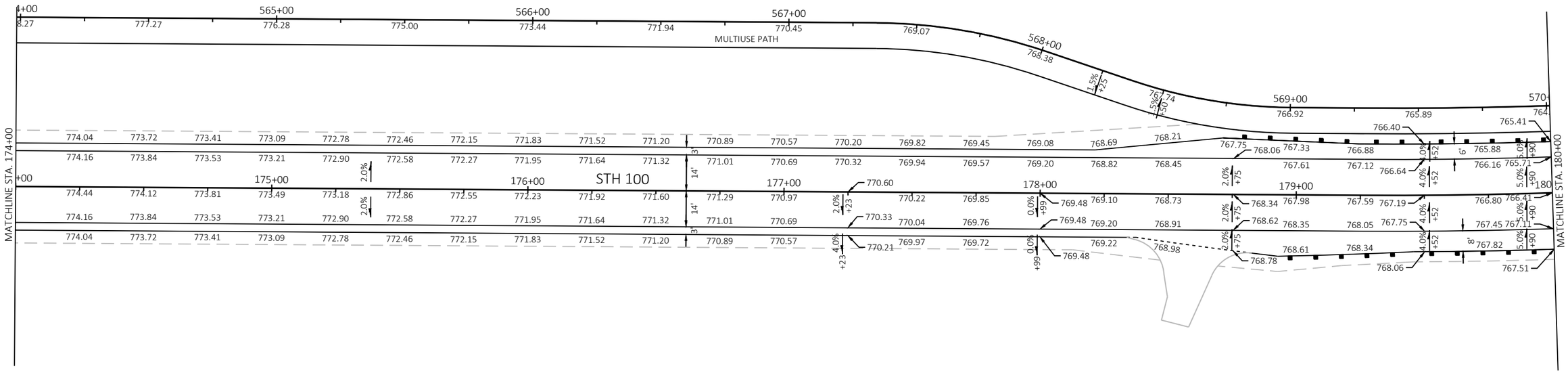
LEGEND

- HIGH POINT
- LOW POINT
- END OF RADIUS
- MATCH EXISTING ELEVATION
- STORM SEWER INLET
- STORM SEWER MANHOLE

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVING GRADES	SHEET 88	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021401-JD.DWG
LAYOUT NAME - 021409-jd
PLOT DATE : 7/12/2024 10:51 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



NOTES:

UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN ON THE PLANS ARE ALONG THE EDGE OF PAVEMENT FOR CURB & GUTTER, THE CONCRETE PAVEMENT JOINT LINE OR THE EDGE OF CONCRETE PAVEMENT FOR CONCRETE PAVEMENT, AND THE EDGE OF HMA SHOULDER FOR HMA SHOULDERS.

LEGEND

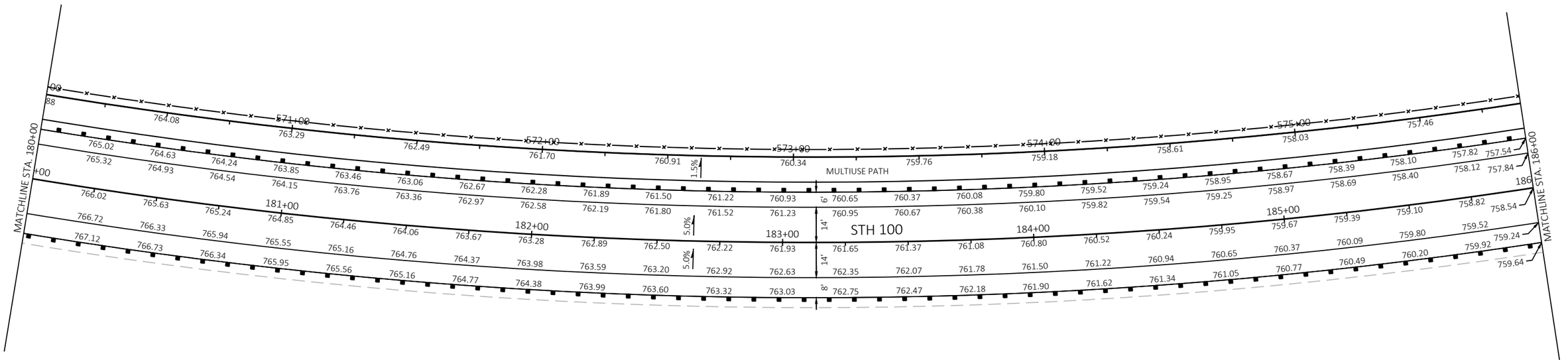
- HIGH POINT
- LOW POINT
- END OF RADIUS
- MATCH EXISTING ELEVATION
- STORM SEWER INLET
- STORM SEWER MANHOLE

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVING GRADES	SHEET 89	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021401-JD.DWG
LAYOUT NAME - 021410-jd

PLOT DATE : 7/12/2024 10:51 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



NOTES:

UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN ON THE PLANS ARE ALONG THE EDGE OF PAVEMENT FOR CURB & GUTTER, THE CONCRETE PAVEMENT JOINT LINE OR THE EDGE OF CONCRETE PAVEMENT FOR CONCRETE PAVEMENT, AND THE EDGE OF HMA SHOULDER FOR HMA SHOULDERS.

LEGEND

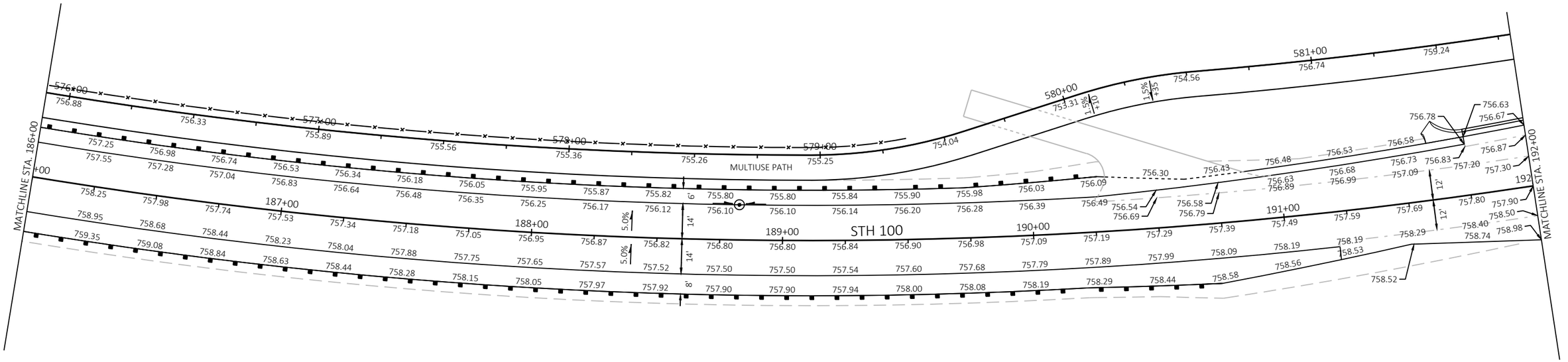
- HIGH POINT
- LOW POINT
- END OF RADIUS
- MATCH EXISTING ELEVATION
- STORM SEWER INLET
- STORM SEWER MANHOLE

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVING GRADES	SHEET 90	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021401-JD.DWG
LAYOUT NAME - 021411-jd

PLOT DATE : 7/12/2024 10:51 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

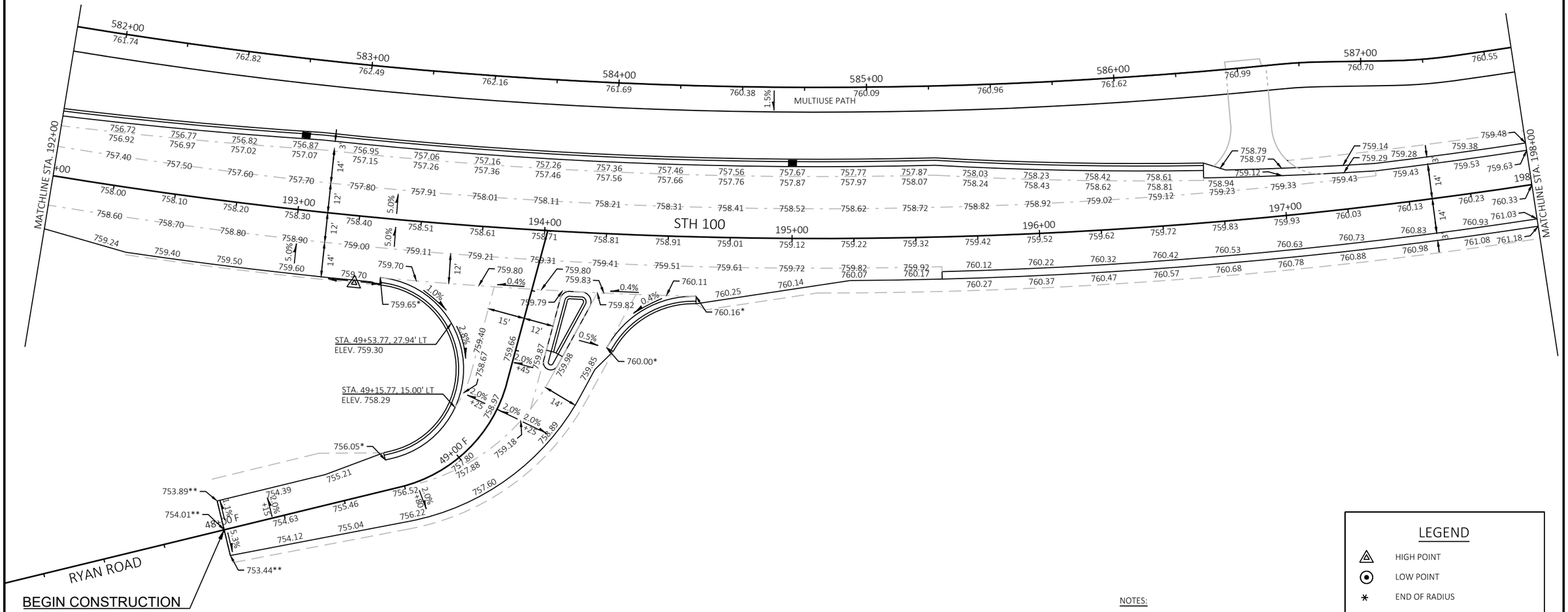
- HIGH POINT
- LOW POINT
- END OF RADIUS
- MATCH EXISTING ELEVATION
- STORM SEWER INLET
- STORM SEWER MANHOLE

NOTES:

UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN ON THE PLANS ARE ALONG THE EDGE OF PAVEMENT FOR CURB & GUTTER, THE CONCRETE PAVEMENT JOINT LINE OR THE EDGE OF CONCRETE PAVEMENT FOR CONCRETE PAVEMENT, AND THE EDGE OF HMA SHOULDER FOR HMA SHOULDERS.

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVING GRADES	SHEET 91	E

2



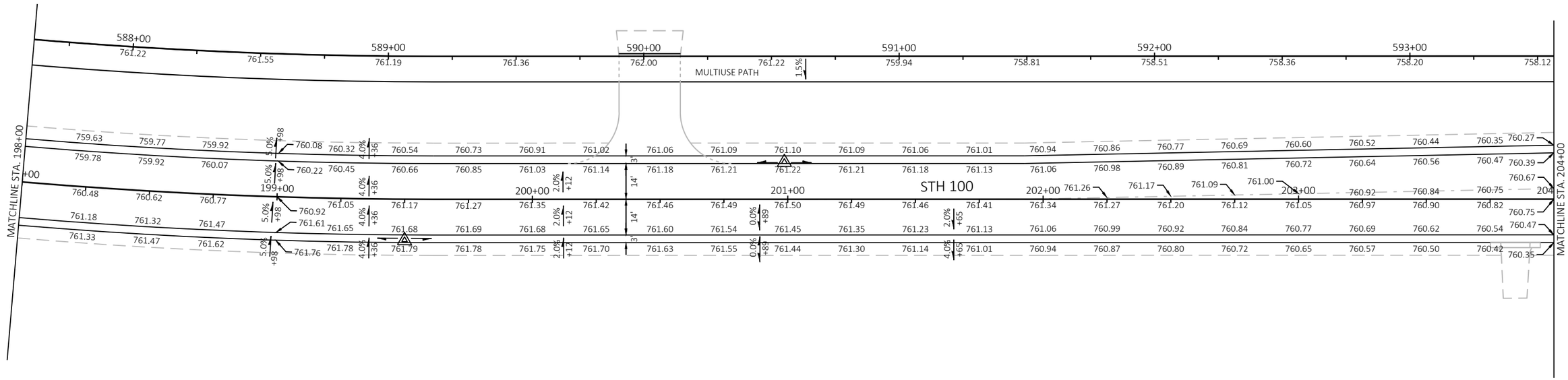
NOTES:

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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVING GRADES	SHEET 92	E

2

N



LEGEND

- HIGH POINT
- LOW POINT
- END OF RADIUS
- MATCH EXISTING ELEVATION
- STORM SEWER INLET
- STORM SEWER MANHOLE

NOTES:

UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN ON THE PLANS ARE ALONG THE EDGE OF PAVEMENT FOR CURB & GUTTER, THE CONCRETE PAVEMENT JOINT LINE OR THE EDGE OF CONCRETE PAVEMENT FOR CONCRETE PAVEMENT, AND THE EDGE OF HMA SHOULDER FOR HMA SHOULDERS.

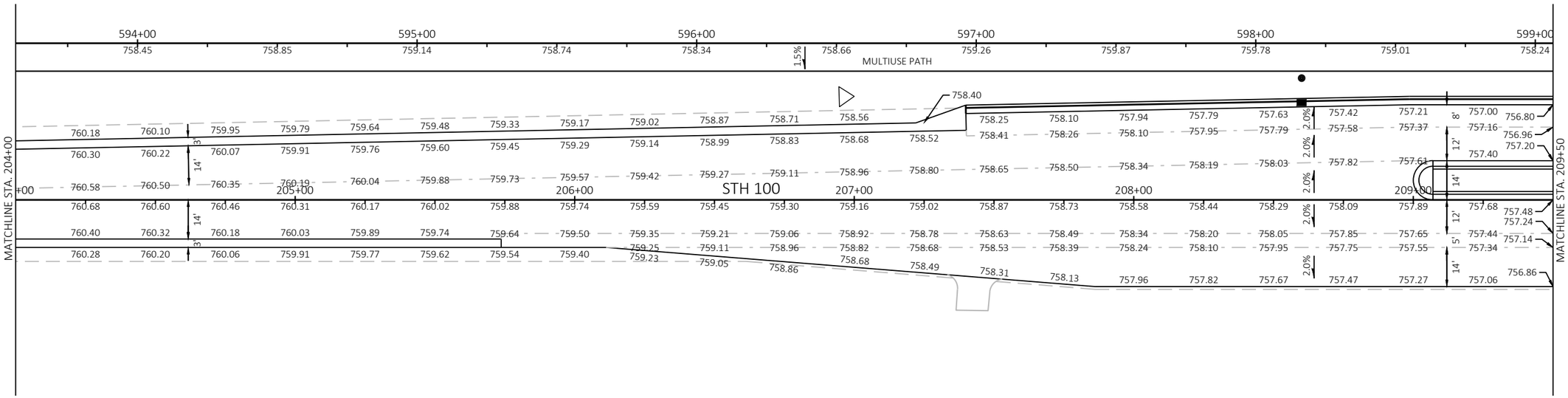
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVING GRADES	SHEET 93	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021401-JD.DWG
LAYOUT NAME - 021414-jd

PLOT DATE : 7/12/2024 10:52 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N



LEGEND

- HIGH POINT
- LOW POINT
- END OF RADIUS
- MATCH EXISTING ELEVATION
- STORM SEWER INLET
- STORM SEWER MANHOLE

NOTES:

UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN ON THE PLANS ARE ALONG THE EDGE OF PAVEMENT FOR CURB & GUTTER, THE CONCRETE PAVEMENT JOINT LINE OR THE EDGE OF CONCRETE PAVEMENT FOR CONCRETE PAVEMENT, AND THE EDGE OF HMA SHOULDER FOR HMA SHOULDERS.

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVING GRADES	SHEET 94	E

2

N

600+00 601+00 602+00 603+00 604+00 605+00

MULTIUSE PATH

MATCHLINE STA. 209+50

MATCHLINE STA. 215+50

211+00 212+00 STH 100 213+00 214+00 215+00

STA. 49+32.12 G
ELEV. 755.39

49+00 G

80TH STREET

BEGIN CONSTRUCTION
STA 49+09.45 G

LEGEND

- HIGH POINT
- LOW POINT
- END OF RADIUS
- MATCH EXISTING ELEVATION
- STORM SEWER INLET
- STORM SEWER MANHOLE

NOTES:

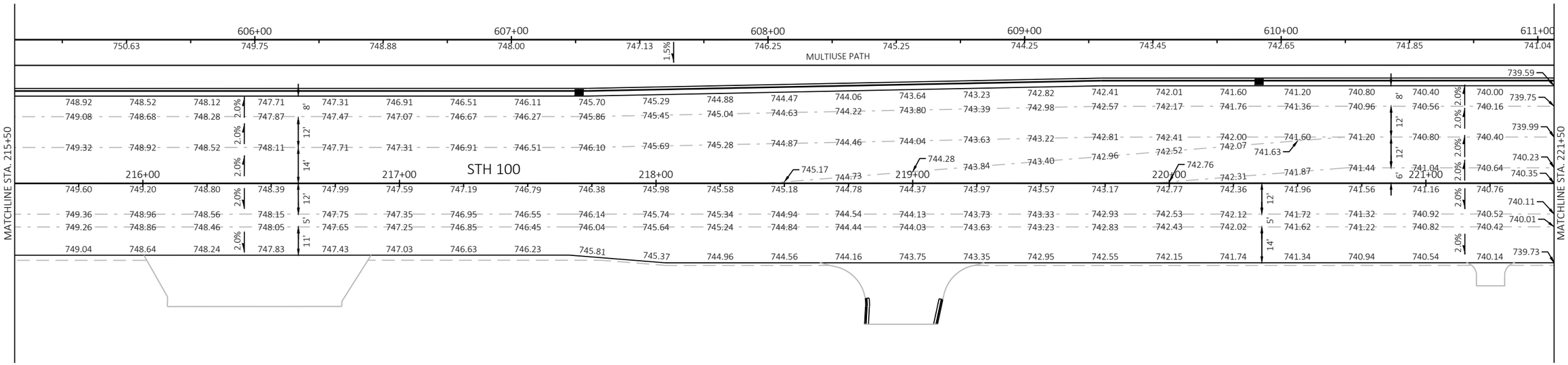
UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN ON THE PLANS ARE ALONG THE EDGE OF PAVEMENT FOR CURB & GUTTER, THE CONCRETE PAVEMENT JOINT LINE OR THE EDGE OF CONCRETE PAVEMENT FOR CONCRETE PAVEMENT, AND THE EDGE OF HMA SHOULDER FOR HMA SHOULDERS.

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVING GRADES	SHEET 95	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021401-JD.DWG
LAYOUT NAME - 021416-jd
PLOT DATE : 7/12/2024 10:53 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N



NOTES:

UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN ON THE PLANS ARE ALONG THE EDGE OF PAVEMENT FOR CURB & GUTTER, THE CONCRETE PAVEMENT JOINT LINE OR THE EDGE OF CONCRETE PAVEMENT FOR CONCRETE PAVEMENT, AND THE EDGE OF HMA SHOULDER FOR HMA SHOULDERS.

LEGEND

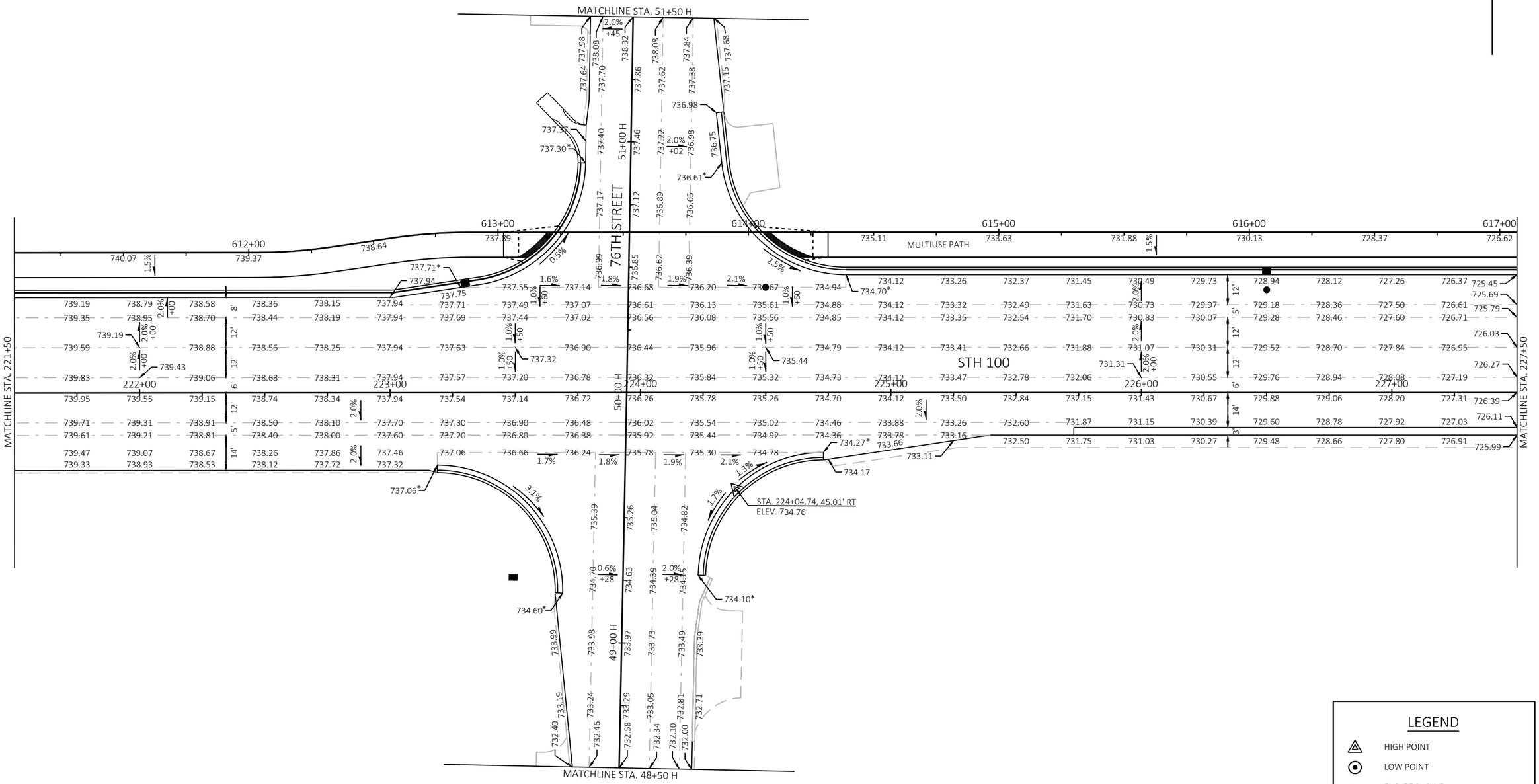
- HIGH POINT
- LOW POINT
- END OF RADIUS
- MATCH EXISTING ELEVATION
- STORM SEWER INLET
- STORM SEWER MANHOLE

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVING GRADES	SHEET 96	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021401-JD.DWG
LAYOUT NAME - 021417-jd

PLOT DATE : 7/12/2024 10:53 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

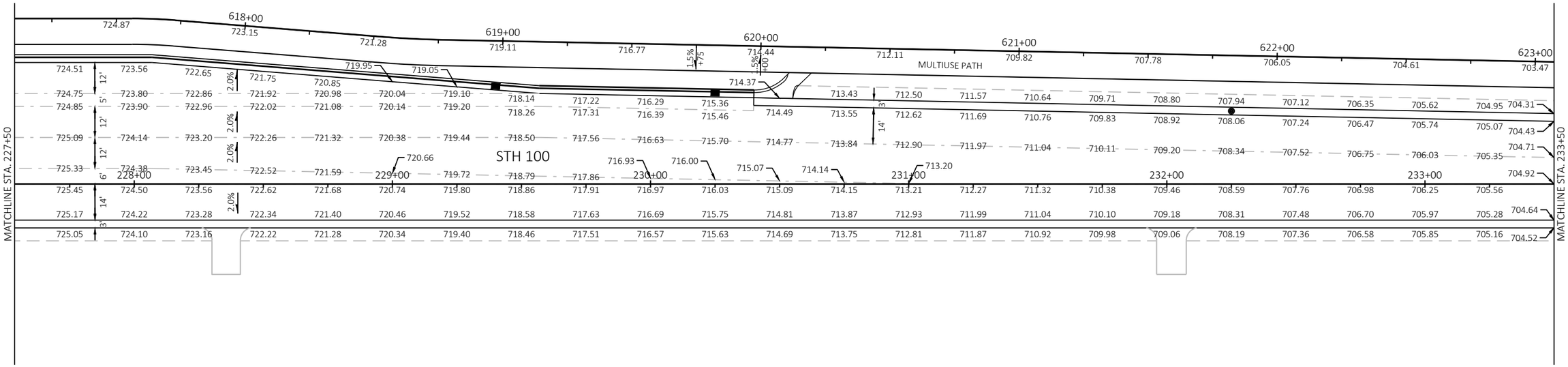
- HIGH POINT
- LOW POINT
- END OF RADIUS
- MATCH EXISTING ELEVATION
- STORM SEWER INLET
- STORM SEWER MANHOLE

NOTES:

UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN ON THE PLANS ARE ALONG THE EDGE OF PAVEMENT FOR CURB & GUTTER, THE CONCRETE PAVEMENT JOINT LINE OR THE EDGE OF CONCRETE PAVEMENT FOR CONCRETE PAVEMENT, AND THE EDGE OF HMA SHOULDER FOR HMA SHOULDERS.

2

N



NOTES:

UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN ON THE PLANS ARE ALONG THE EDGE OF PAVEMENT FOR CURB & GUTTER, THE CONCRETE PAVEMENT JOINT LINE OR THE EDGE OF CONCRETE PAVEMENT FOR CONCRETE PAVEMENT, AND THE EDGE OF HMA SHOULDER FOR HMA SHOULDERS.

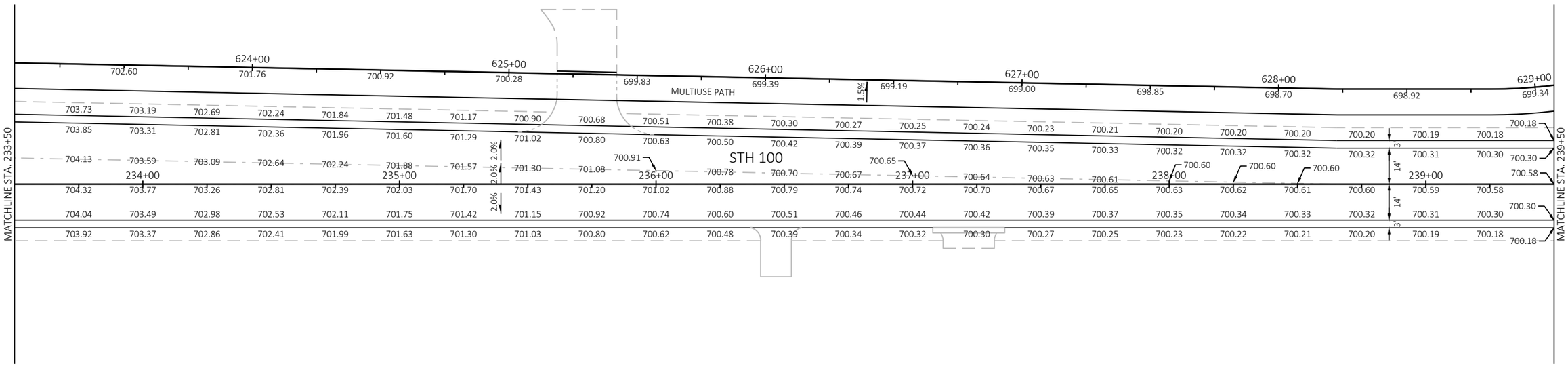
LEGEND

- HIGH POINT
- LOW POINT
- END OF RADIUS
- MATCH EXISTING ELEVATION
- STORM SEWER INLET
- STORM SEWER MANHOLE

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVING GRADES	SHEET 98	E

2

N



NOTES:

UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN ON THE PLANS ARE ALONG THE EDGE OF PAVEMENT FOR CURB & GUTTER, THE CONCRETE PAVEMENT JOINT LINE OR THE EDGE OF CONCRETE PAVEMENT FOR CONCRETE PAVEMENT, AND THE EDGE OF HMA SHOULDER FOR HMA SHOULDERS.

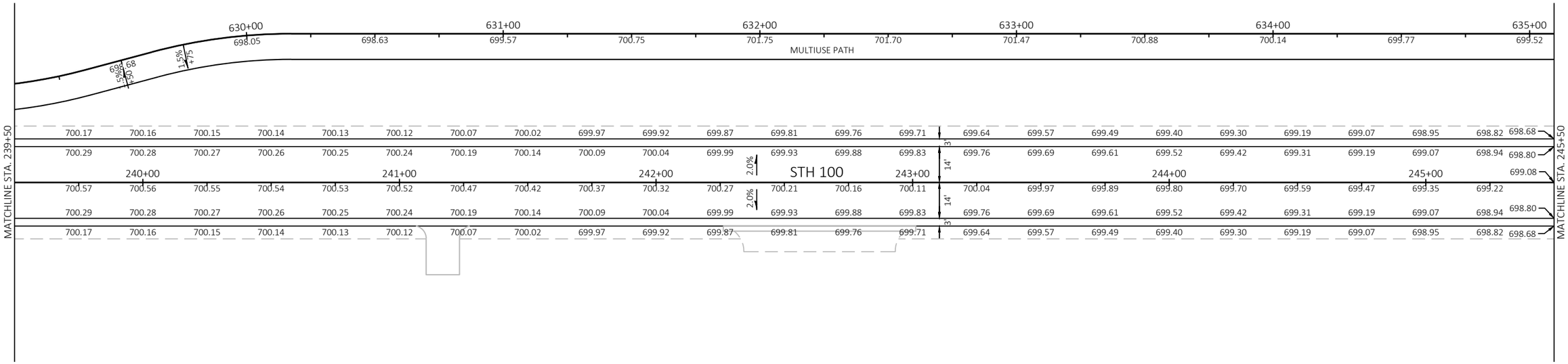
LEGEND

- HIGH POINT
- LOW POINT
- * END OF RADIUS
- ** MATCH EXISTING ELEVATION
- STORM SEWER INLET
- STORM SEWER MANHOLE

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVING GRADES	SHEET 99	E

2

N



NOTES:

UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN ON THE PLANS ARE ALONG THE EDGE OF PAVEMENT FOR CURB & GUTTER, THE CONCRETE PAVEMENT JOINT LINE OR THE EDGE OF CONCRETE PAVEMENT FOR CONCRETE PAVEMENT, AND THE EDGE OF HMA SHOULDER FOR HMA SHOULDERS.

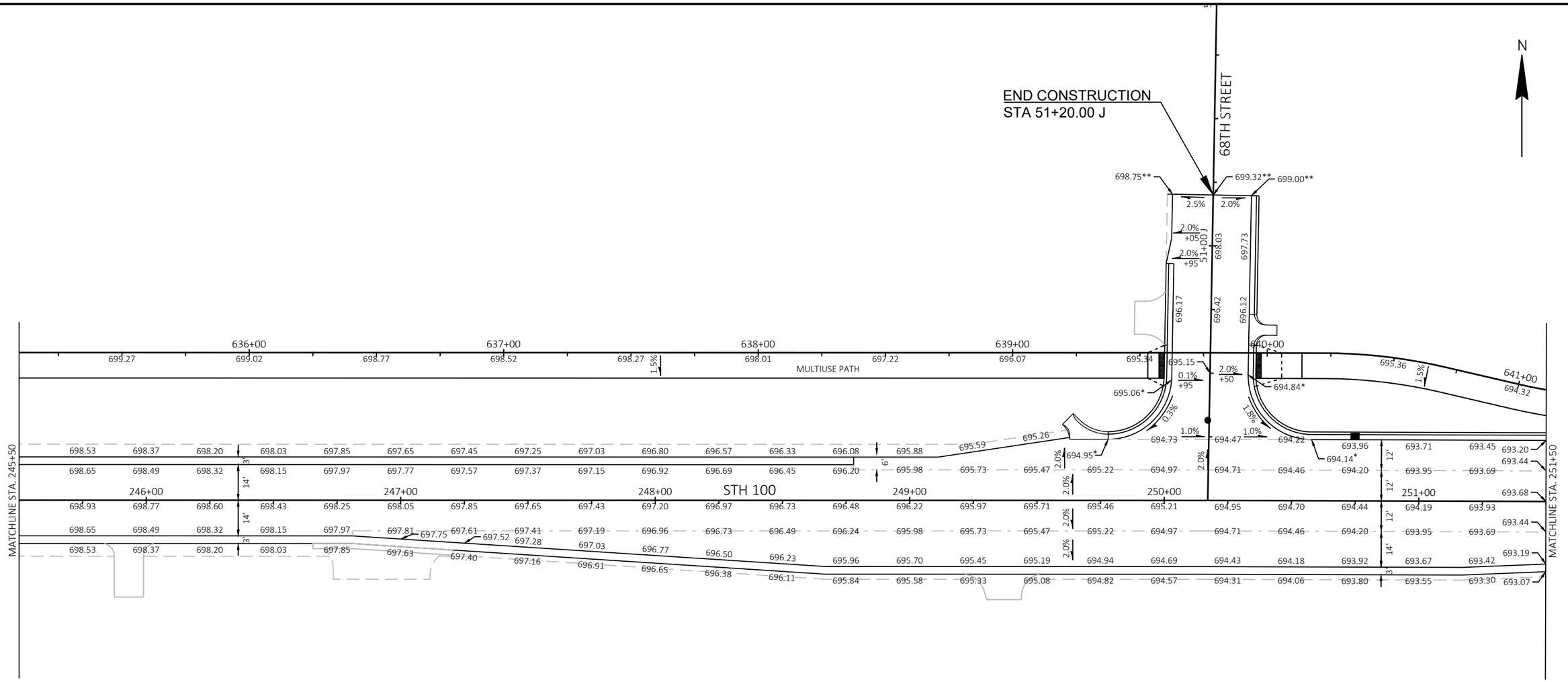
LEGEND

- HIGH POINT
- LOW POINT
- * END OF RADIUS
- ** MATCH EXISTING ELEVATION
- STORM SEWER INLET
- STORM SEWER MANHOLE

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVING GRADES	SHEET 100	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021401-JD.DWG
LAYOUT NAME - 021421-jd
PLOT DATE : 7/12/2024 10:54 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



NOTES:

UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN ON THE PLANS ARE ALONG THE EDGE OF PAVEMENT FOR CURB & GUTTER, THE CONCRETE PAVEMENT JOINT LINE OR THE EDGE OF CONCRETE PAVEMENT FOR CONCRETE PAVEMENT, AND THE EDGE OF HMA SHOULDER FOR HMA SHOULDERS.

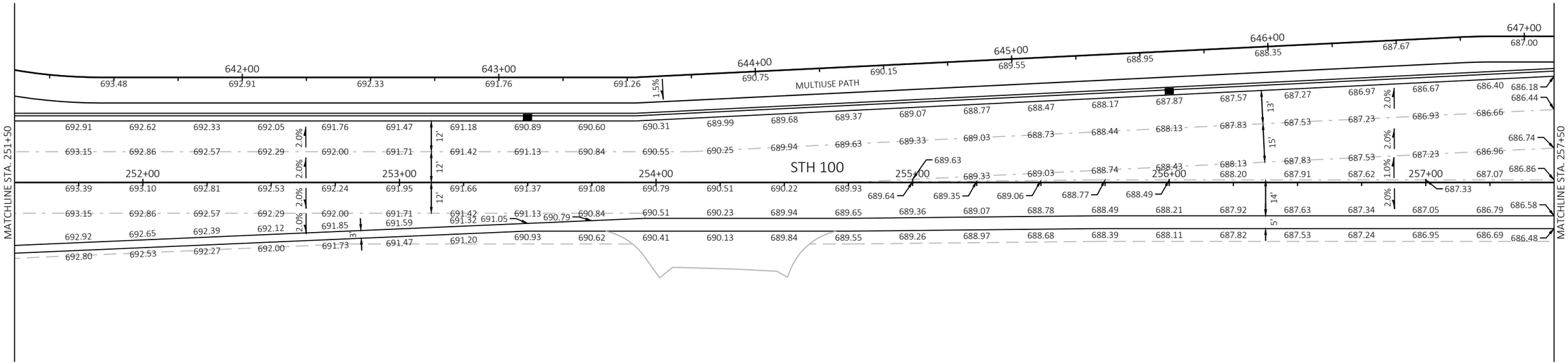
LEGEND

- HIGH POINT
- LOW POINT
- * END OF RADIUS
- ** MATCH EXISTING ELEVATION
- STORM SEWER INLET
- STORM SEWER MANHOLE

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVING GRADES	SHEET 101	E

2

N



LEGEND

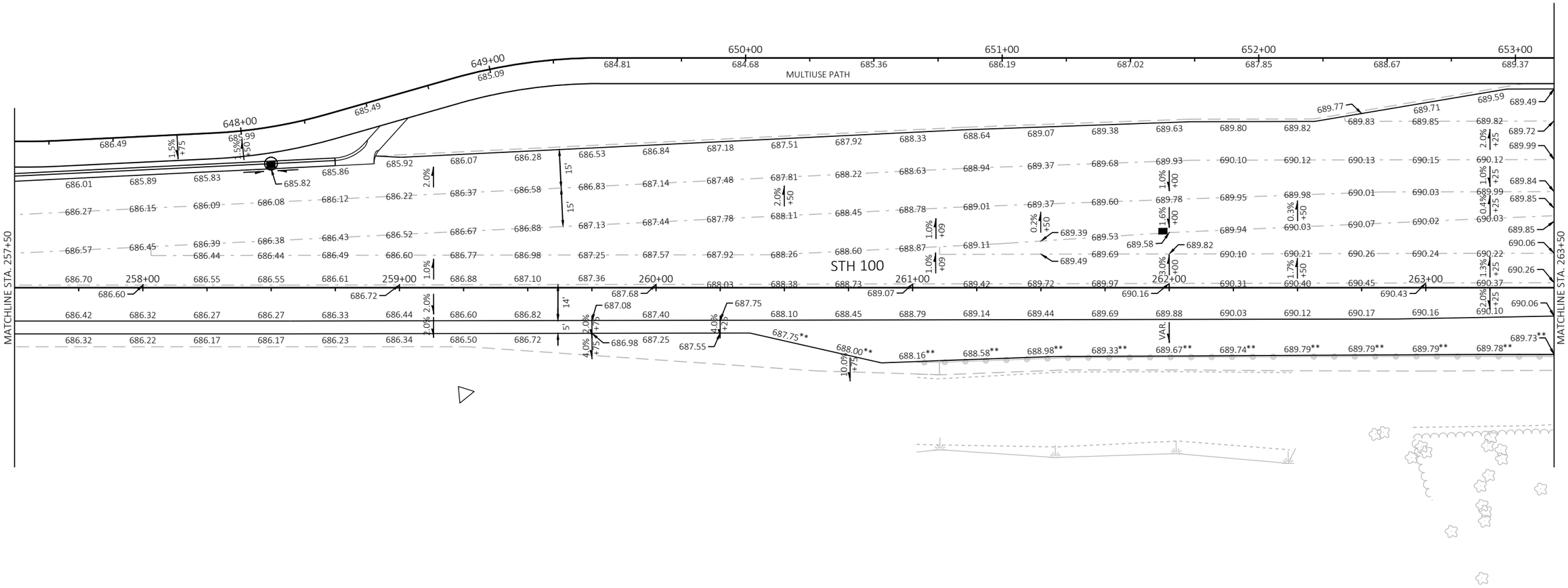
- HIGH POINT
- LOW POINT
- END OF RADIUS
- MATCH EXISTING ELEVATION
- STORM SEWER INLET
- STORM SEWER MANHOLE

NOTES:

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2

N



NOTES:

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LEGEND

- HIGH POINT
- LOW POINT
- * END OF RADIUS
- ** MATCH EXISTING ELEVATION
- STORM SEWER INLET
- STORM SEWER MANHOLE

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVING GRADES	SHEET 103	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021401-JD.DWG
LAYOUT NAME - 021424-jd

PLOT DATE : 7/12/2024 10:55 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

END CONSTRUCTION
STA. 654+00.00

654+00

689.26
MULTIUSE PATH
689.98

1.5%

689.42
689.35**
689.62
1.5%
689.82**
689.86
1.5%
689.61**
689.69
689.53**
689.68
689.67
689.58**
689.91
2.1%
689.86**
690.02**
690.13

B-40-0681

STH 100 WB

B-40-0547

MULTIUSE PATH

264+00 265+00 266+00 267+00 268+00 269+00

MATCHLINE STA. 263+50

689.99
0.9%
STH 100 EB
689.91**
1.8%
689.63**
689.67**

END PAVEMENT REPLACEMENT
STA. 263+88.82

MH
MH
SAN

NOTES:

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LEGEND

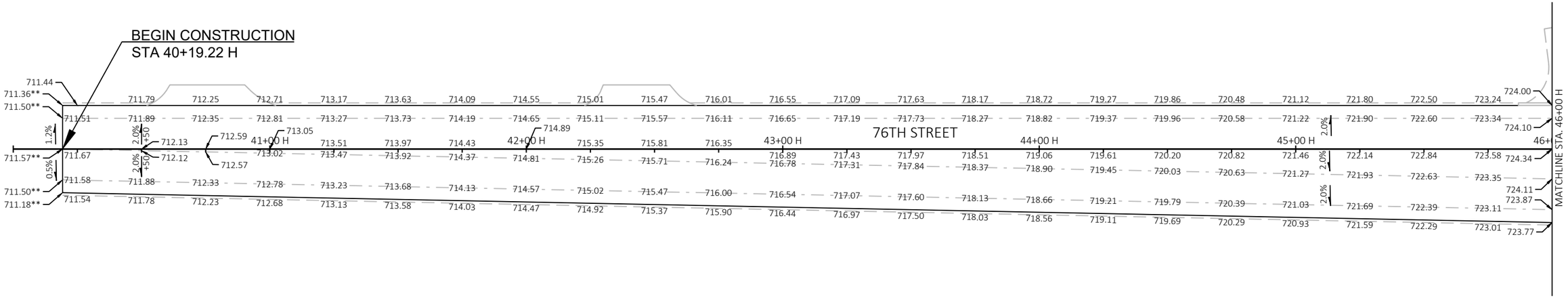
- HIGH POINT
- LOW POINT
- * END OF RADIUS
- ** MATCH EXISTING ELEVATION
- STORM SEWER INLET
- STORM SEWER MANHOLE

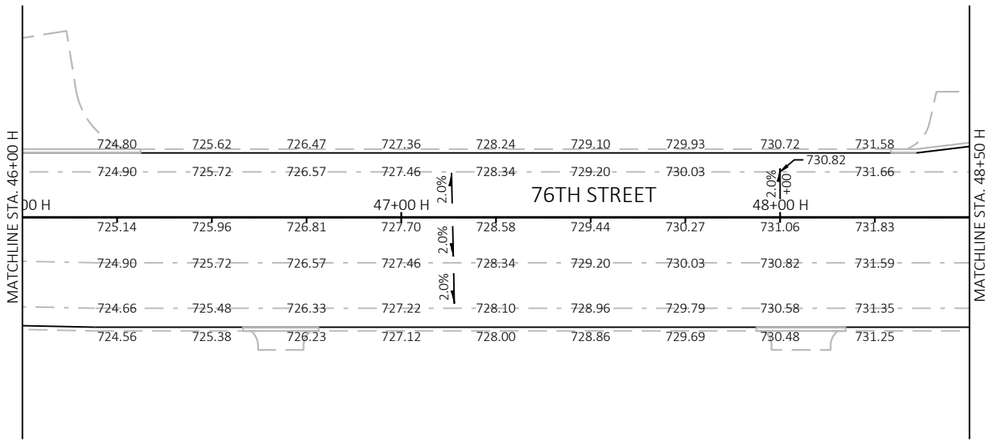
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVING GRADES	SHEET 104	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021401-JD.DWG
LAYOUT NAME - 021425-jd

PLOT DATE : 7/12/2024 10:56 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

2





LEGEND

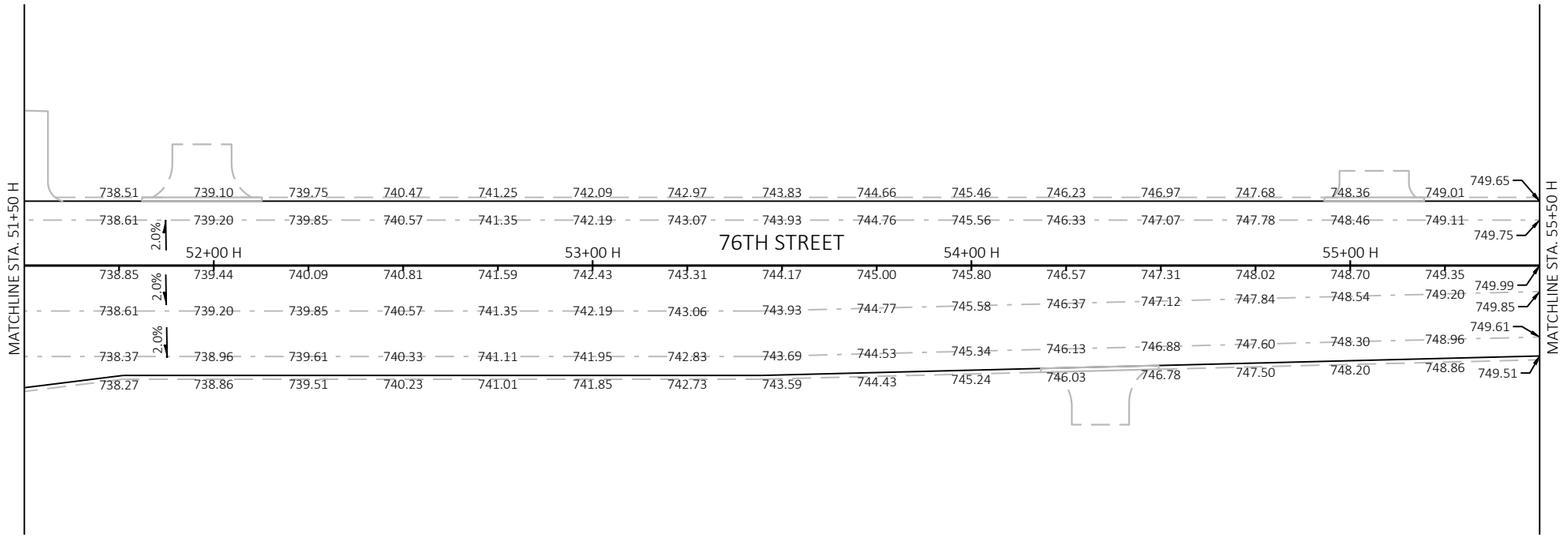
- HIGH POINT
- LOW POINT
- END OF RADIUS
- MATCH EXISTING ELEVATION
- STORM SEWER INLET
- STORM SEWER MANHOLE

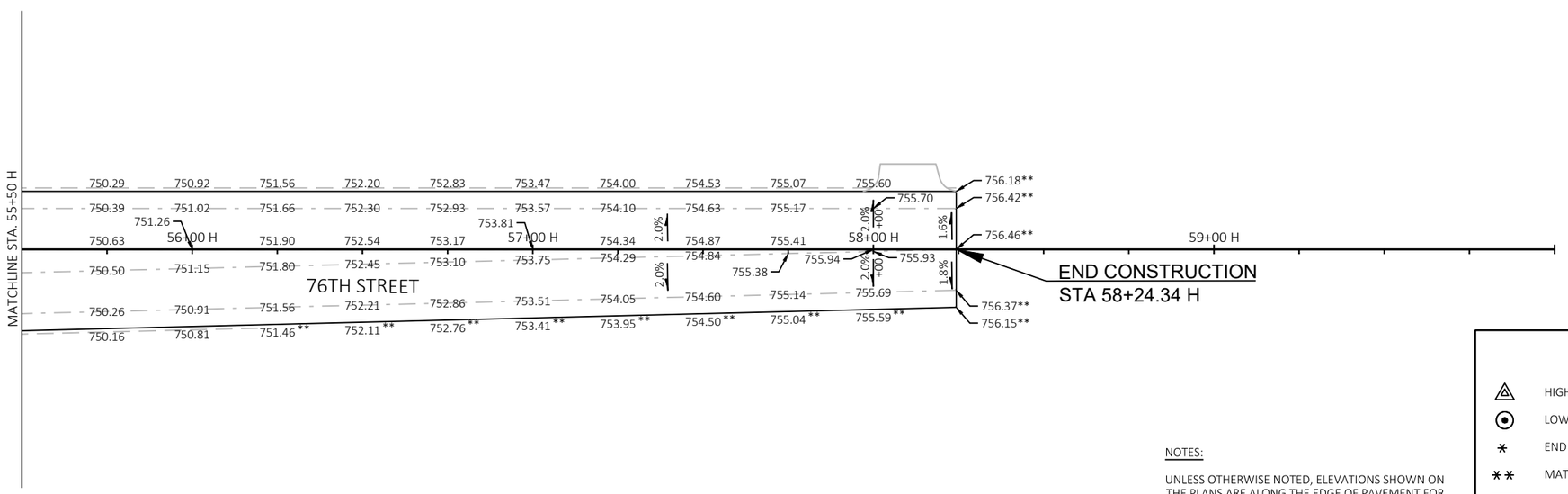
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVING GRADES	SHEET 105	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021401-JD.DWG
LAYOUT NAME - 021426-jd
PLOT DATE : 7/12/2024 10:57 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42





NOTES:

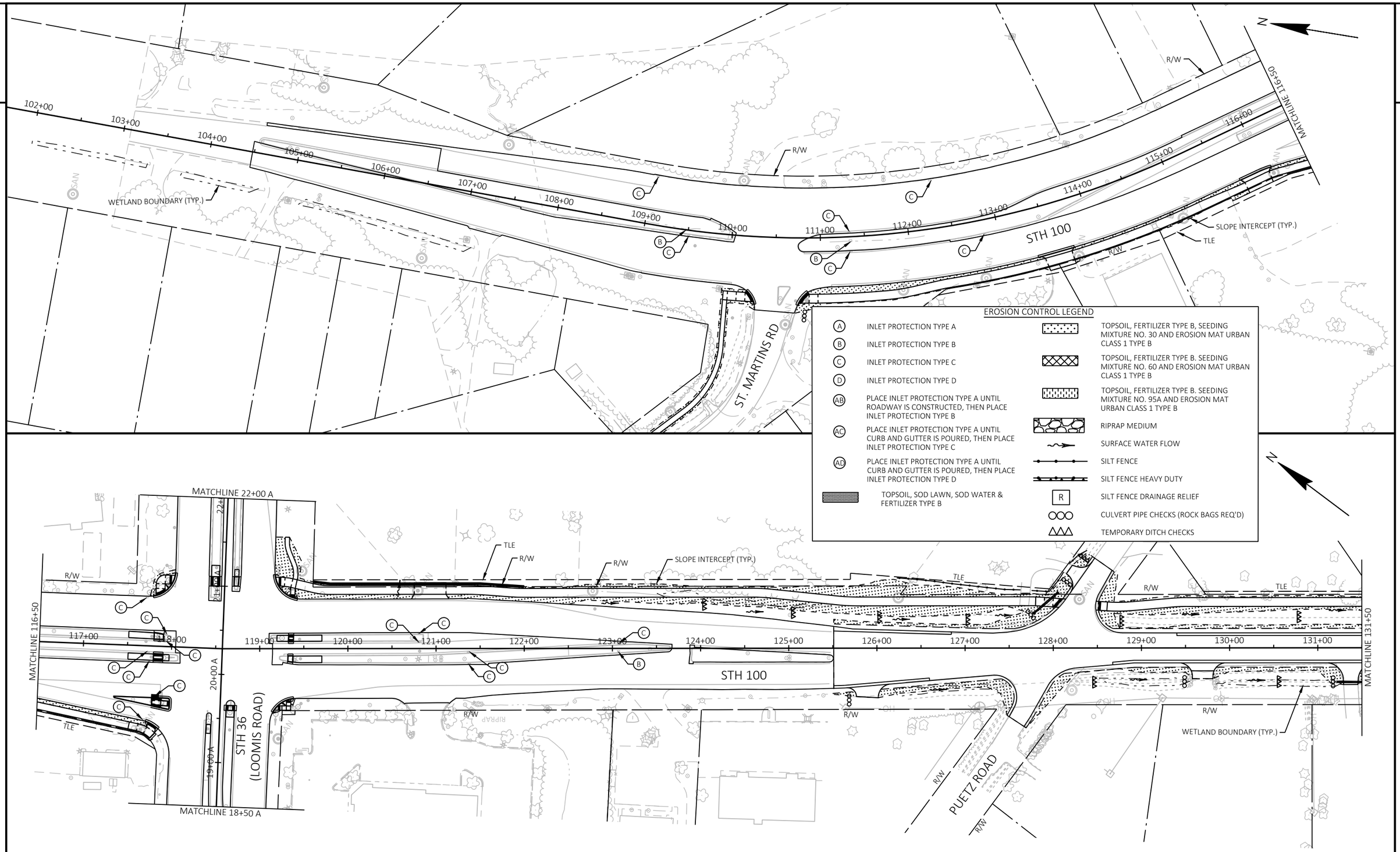
UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN ON THE PLANS ARE ALONG THE EDGE OF PAVEMENT FOR CURB & GUTTER, THE CONCRETE PAVEMENT JOINT LINE OR THE EDGE OF CONCRETE PAVEMENT FOR CONCRETE PAVEMENT, AND THE EDGE OF HMA SHOULDER FOR HMA SHOULDERS.

LEGEND

- HIGH POINT
- LOW POINT
- * END OF RADIUS
- ** MATCH EXISTING ELEVATION
- STORM SEWER INLET
- STORM SEWER MANHOLE

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVING GRADES	SHEET 106	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\021401-JD.DWG
LAYOUT NAME - 021427-jd
PLOT DATE : 7/12/2024 10:57 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



EROSION CONTROL LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AB) PLACE INLET PROTECTION TYPE A UNTIL ROADWAY IS CONSTRUCTED, THEN PLACE INLET PROTECTION TYPE B
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED, THEN PLACE INLET PROTECTION TYPE C
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED, THEN PLACE INLET PROTECTION TYPE D
- TOPSOIL, SOD LAWN, SOD WATER & FERTILIZER TYPE B
- TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 30 AND EROSION MAT URBAN CLASS 1 TYPE B
- TOPSOIL, FERTILIZER TYPE B. SEEDING MIXTURE NO. 60 AND EROSION MAT URBAN CLASS 1 TYPE B
- TOPSOIL, FERTILIZER TYPE B. SEEDING MIXTURE NO. 95A AND EROSION MAT URBAN CLASS 1 TYPE B
- RIPRAP MEDIUM
- SURFACE WATER FLOW
- SILT FENCE
- SILT FENCE HEAVY DUTY
- (R) SILT FENCE DRAINAGE RELIEF
- CULVERT PIPE CHECKS (ROCK BAGS REQ'D)
- TEMPORARY DITCH CHECKS

2

CULVERT AT STA. 137+70
IN-STREAM WORK RESTRICTIONS APPLIES TO THIS CULVERT. CULVERT REMOVAL AND CONSTRUCTION SHALL BE COMPLETED BEFORE MARCH 1, 2025 OR AFTER JUNE 15, 2025.

TEMPORARY SETTLING BASIN FOR DEWATERING REQ'D FOR CULVERTS

ELM COURT

MATCHLINE 131+50

MATCHLINE 146+00

132+00 133+00 134+00 135+00 136+00 137+00 138+00 139+00 140+00 141+00 142+00 143+00 144+00 145+00 146

STH 100

R/W

TLE

SLOPE INTERCEPT (TYP.)

WETLAND BOUNDARY (TYP.)

NOTES (CULVERT REMOVAL AND CONSTRUCTION):

1. DO NOT NEED TO MAINTAIN THE FLOW DURING CONSTRUCTION UNLESS OTHERWISE NOTED.
2. WORK AREA SHALL BE ISOLATED WITH SANDBAGS OR SOMETHING SIMILAR IF THERE IS WATER WITHIN THE DISTURBED AREAS. MATERIALS REQUIRED FOR ISOLATING WORK AREA ARE INCIDENTAL TO CULVERT.
3. DEWATERING IS ANTICIPATED.

EROSION CONTROL LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AB) PLACE INLET PROTECTION TYPE A UNTIL ROADWAY IS CONSTRUCTED, THEN PLACE INLET PROTECTION TYPE B
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED, THEN PLACE INLET PROTECTION TYPE C
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED, THEN PLACE INLET PROTECTION TYPE D
- TOPSOIL, SOD LAWN, SOD WATER & FERTILIZER TYPE B
- TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 30 AND EROSION MAT URBAN CLASS 1 TYPE B
- TOPSOIL, FERTILIZER TYPE B. SEEDING MIXTURE NO. 60 AND EROSION MAT URBAN CLASS 1 TYPE B
- TOPSOIL, FERTILIZER TYPE B. SEEDING MIXTURE NO. 95A AND EROSION MAT URBAN CLASS 1 TYPE B
- RIPRAP MEDIUM
- SURFACE WATER FLOW
- SILT FENCE
- SILT FENCE HEAVY DUTY
- R — SILT FENCE DRAINAGE RELIEF
- CULVERT PIPE CHECKS (ROCK BAGS REQ'D)
- TEMPORARY DITCH CHECKS

MATCHLINE 146+00

147+00 148+00 149+00 150+00 151+00 152+00 153+00 154+00 155+00 156+00 157+00 158+00 159+00 160+00 161+00

MATCHLINE 161+50

STH 100

SLOPE INTERCEPT (TYP.)

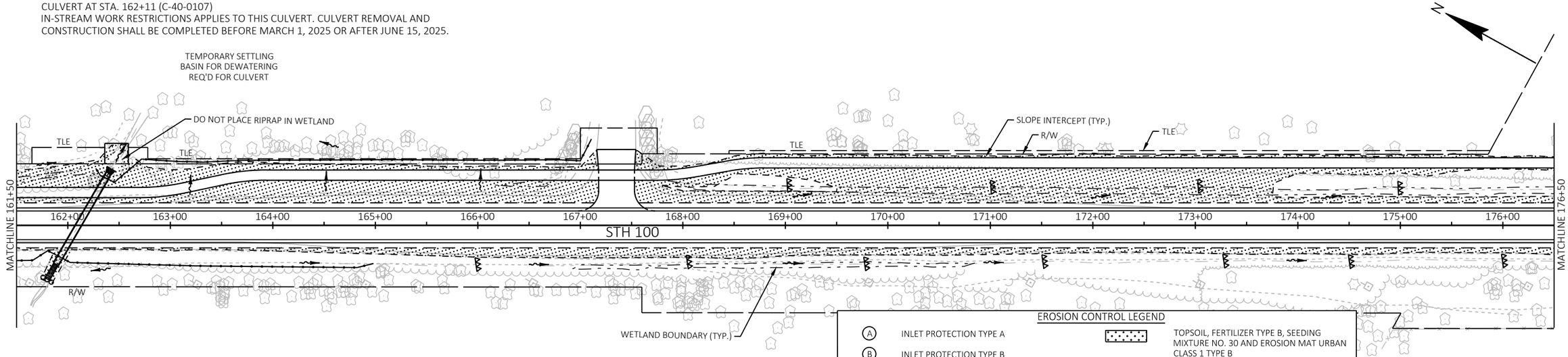
WETLAND BOUNDARY (TYP.)

PRAIRIE GRASS WAY

92ND STREET

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET 108	E

CULVERT AT STA. 162+11 (C-40-0107)
IN-STREAM WORK RESTRICTIONS APPLIES TO THIS CULVERT. CULVERT REMOVAL AND CONSTRUCTION SHALL BE COMPLETED BEFORE MARCH 1, 2025 OR AFTER JUNE 15, 2025.

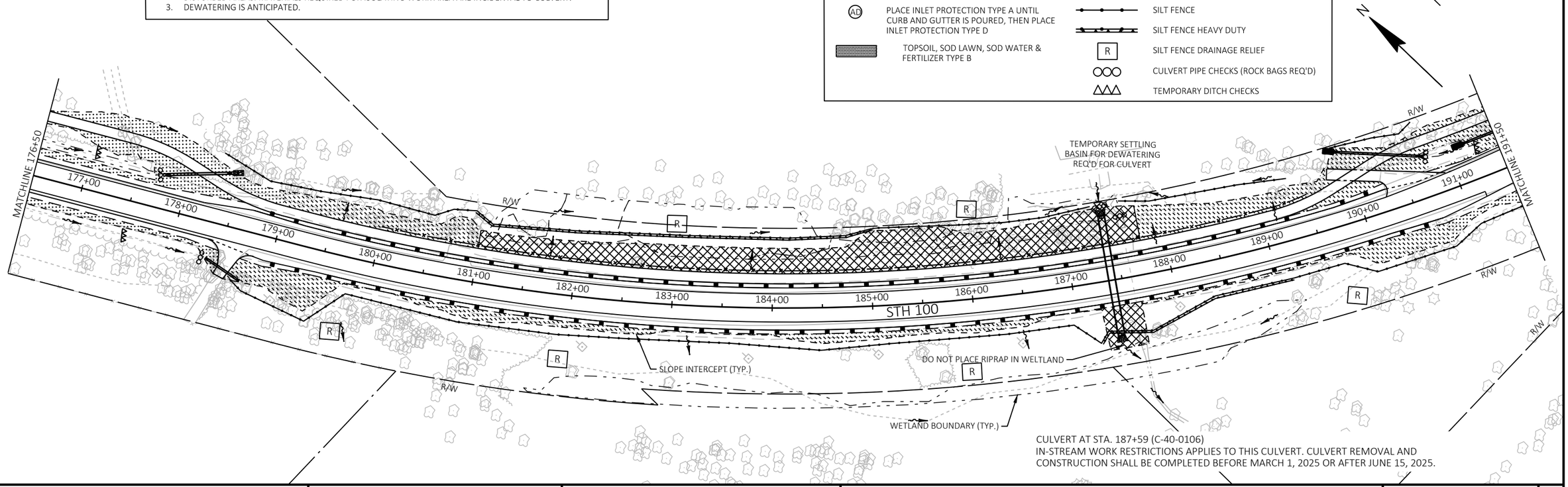


NOTES (CULVERT REMOVAL AND CONSTRUCTION):

1. DO NOT NEED TO MAINTAIN THE FLOW DURING CONSTRUCTION UNLESS OTHERWISE NOTED.
2. WORK AREA SHALL BE ISOLATED WITH SANDBAGS OR SOMETHING SIMILAR IF THERE IS WATER WITHIN THE DISTURBED AREAS. MATERIALS REQUIRED FOR ISOLATING WORK AREA ARE INCIDENTAL TO CULVERT.
3. DEWATERING IS ANTICIPATED.

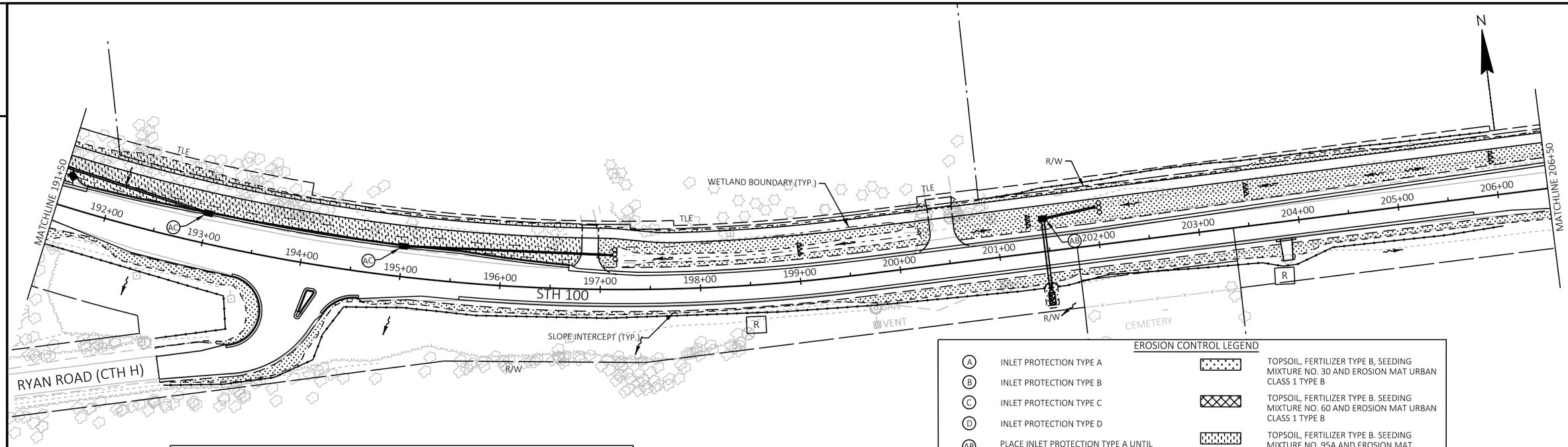
EROSION CONTROL LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AB) PLACE INLET PROTECTION TYPE A UNTIL ROADWAY IS CONSTRUCTED, THEN PLACE INLET PROTECTION TYPE B
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED, THEN PLACE INLET PROTECTION TYPE C
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED, THEN PLACE INLET PROTECTION TYPE D
- TOPSOIL, SOD LAWN, SOD WATER & FERTILIZER TYPE B
- TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 30 AND EROSION MAT URBAN CLASS 1 TYPE B
- TOPSOIL, FERTILIZER TYPE B. SEEDING MIXTURE NO. 60 AND EROSION MAT URBAN CLASS 1 TYPE B
- TOPSOIL, FERTILIZER TYPE B. SEEDING MIXTURE NO. 95A AND EROSION MAT URBAN CLASS 1 TYPE B
- RIPRAP MEDIUM
- SURFACE WATER FLOW
- SILT FENCE
- SILT FENCE HEAVY DUTY
- R SILT FENCE DRAINAGE RELIEF
- CULVERT PIPE CHECKS (ROCK BAGS REQ'D)
- TEMPORARY DITCH CHECKS



CULVERT AT STA. 187+59 (C-40-0106)
IN-STREAM WORK RESTRICTIONS APPLIES TO THIS CULVERT. CULVERT REMOVAL AND CONSTRUCTION SHALL BE COMPLETED BEFORE MARCH 1, 2025 OR AFTER JUNE 15, 2025.

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET 109	E

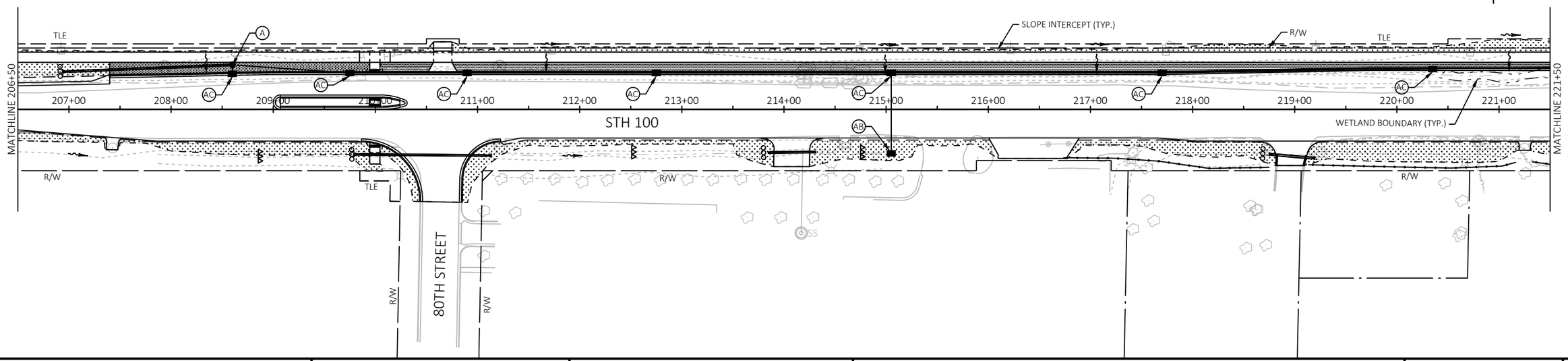


NOTES (CULVERT REMOVAL AND CONSTRUCTION):

1. DO NOT NEED TO MAINTAIN THE FLOW DURING CONSTRUCTION UNLESS OTHERWISE NOTED.
2. WORK AREA SHALL BE ISOLATED WITH SANDBAGS OR SOMETHING SIMILAR IF THERE IS WATER WITHIN THE DISTURBED AREAS. MATERIALS REQUIRED FOR ISOLATING WORK AREA ARE INCIDENTAL TO CULVERT.
3. DEWATERING IS ANTICIPATED.

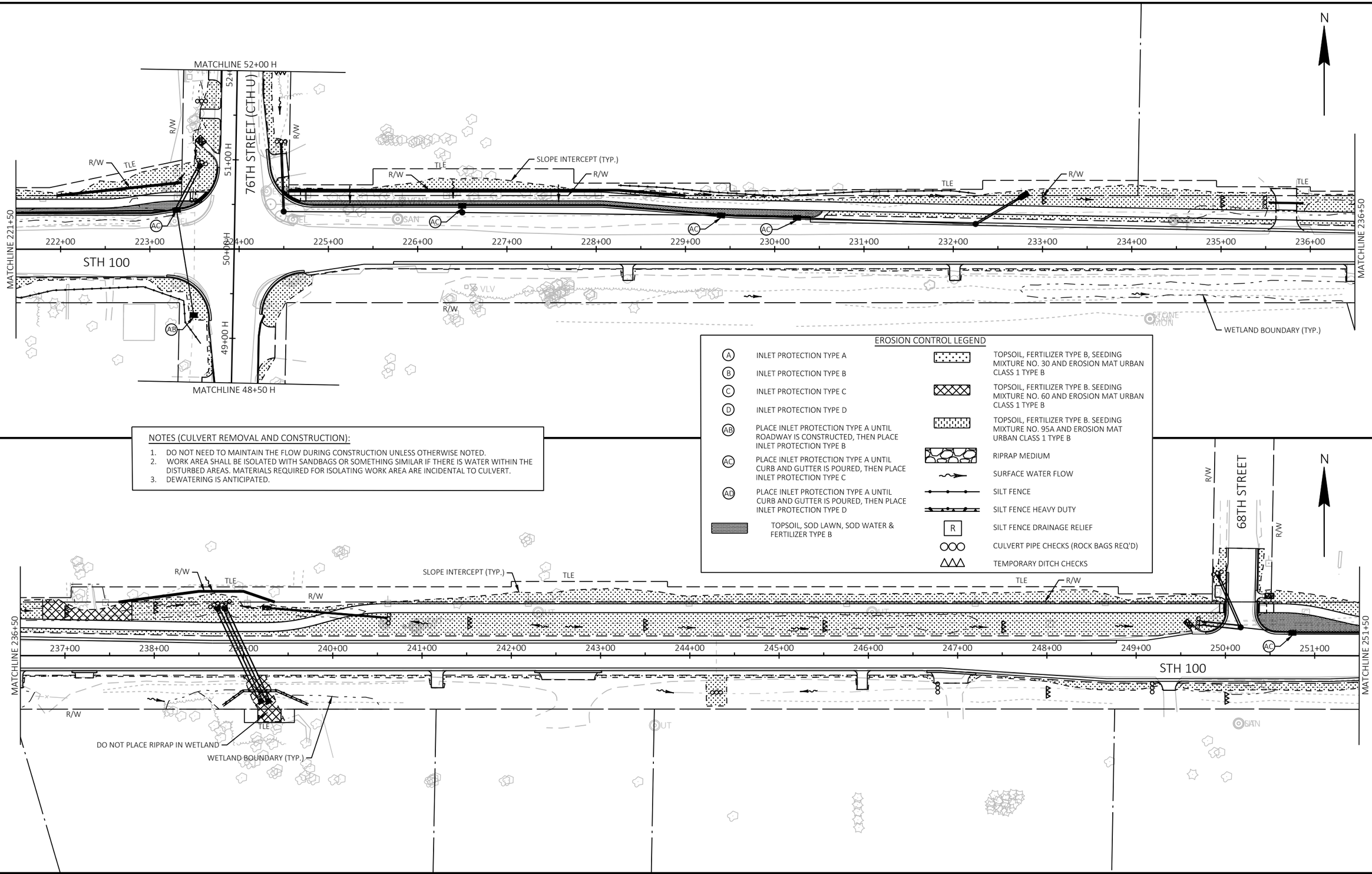
EROSION CONTROL LEGEND

- (A) INLET PROTECTION TYPE A
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- (C) INLET PROTECTION TYPE C
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- RIPRAP MEDIUM
- SURFACE WATER FLOW
- SILT FENCE
- SILT FENCE HEAVY DUTY
- R — SILT FENCE DRAINAGE RELIEF
- CULVERT PIPE CHECKS (ROCK BAGS REQ'D)
- TEMPORARY DITCH CHECKS



PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET 110	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022004-ec
PLOT DATE : 7/12/2024 10:16 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



NOTES (CULVERT REMOVAL AND CONSTRUCTION):

1. DO NOT NEED TO MAINTAIN THE FLOW DURING CONSTRUCTION UNLESS OTHERWISE NOTED.
2. WORK AREA SHALL BE ISOLATED WITH SANDBAGS OR SOMETHING SIMILAR IF THERE IS WATER WITHIN THE DISTURBED AREAS. MATERIALS REQUIRED FOR ISOLATING WORK AREA ARE INCIDENTAL TO CULVERT.
3. DEWATERING IS ANTICIPATED.

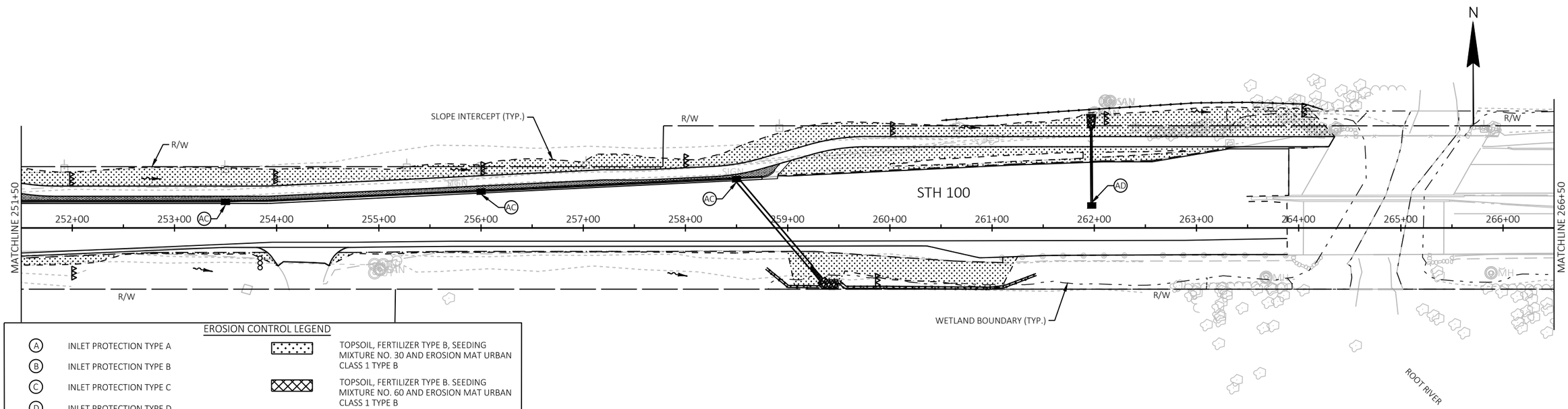
EROSION CONTROL LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AB) PLACE INLET PROTECTION TYPE A UNTIL ROADWAY IS CONSTRUCTED, THEN PLACE INLET PROTECTION TYPE B
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- TOPSOIL, FERTILIZER TYPE B. SEEDING MIXTURE NO. 95A AND EROSION MAT URBAN CLASS 1 TYPE B
- RIPRAP MEDIUM
- SURFACE WATER FLOW
- SILT FENCE
- SILT FENCE HEAVY DUTY
- (R) SILT FENCE DRAINAGE RELIEF
- CULVERT PIPE CHECKS (ROCK BAGS REQ'D)
- TEMPORARY DITCH CHECKS

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET 111	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022005-ec
PLOT DATE : 7/12/2024 10:17 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

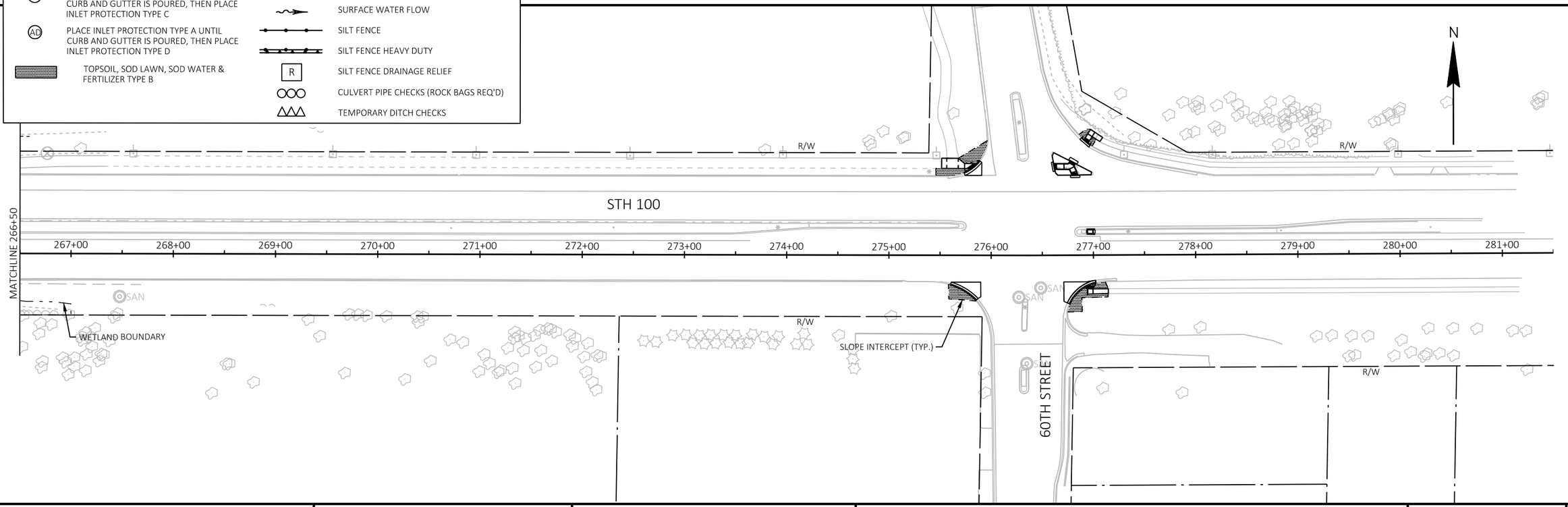
2



NOTE:
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 COLLECITON SHALL BE INCLUDED IN THE EROSION CONTROL IMPLEMENTATION PLAN SUBMITTED BY THE ENGINEER.

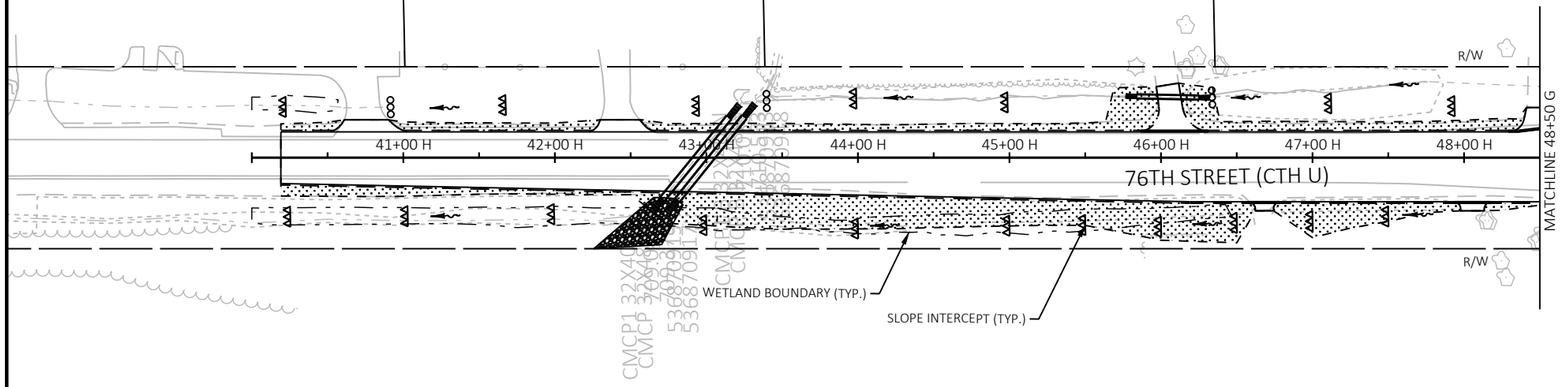
EROSION CONTROL LEGEND

- (A) INLET PROTECTION TYPE A
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- (D) INLET PROTECTION TYPE D
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- SURFACE WATER FLOW
- SILT FENCE
- SILT FENCE HEAVY DUTY
- (R) SILT FENCE DRAINAGE RELIEF
- CULVERT PIPE CHECKS (ROCK BAGS REQ'D)
- TEMPORARY DITCH CHECKS



PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET 112	E

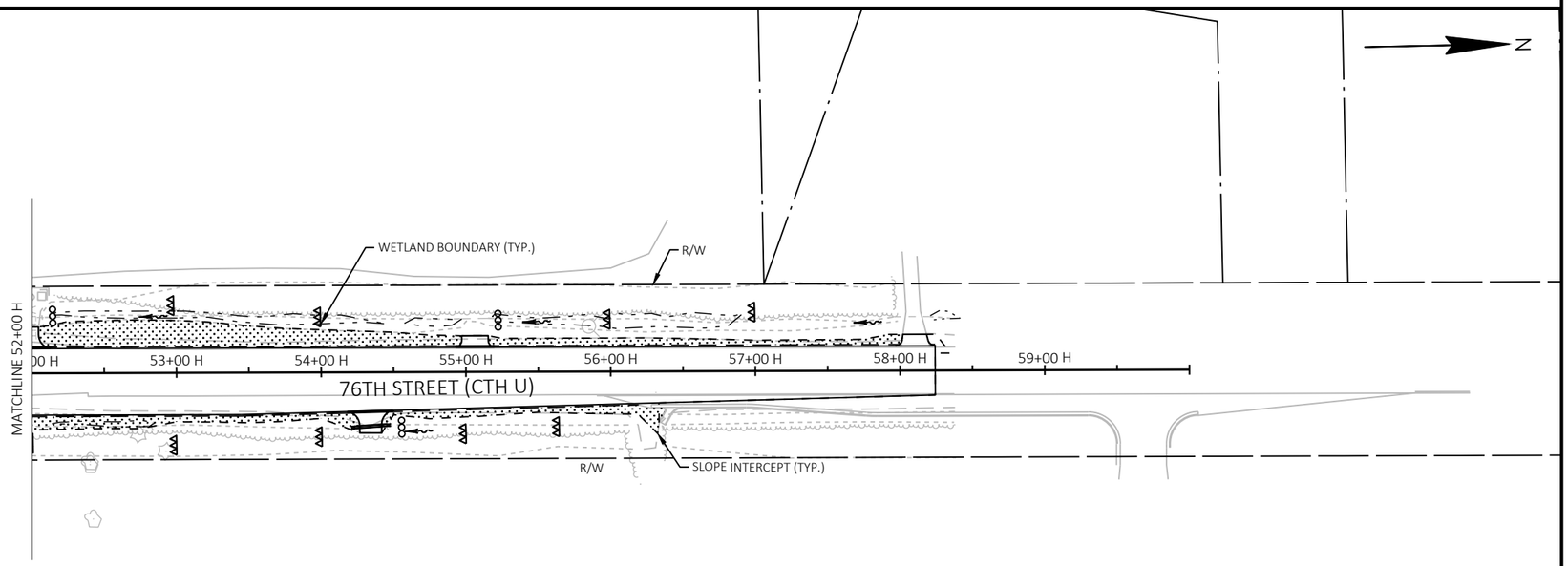
FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022006-ec
PLOT DATE : 7/12/2024 10:18 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



N

EROSION CONTROL LEGEND

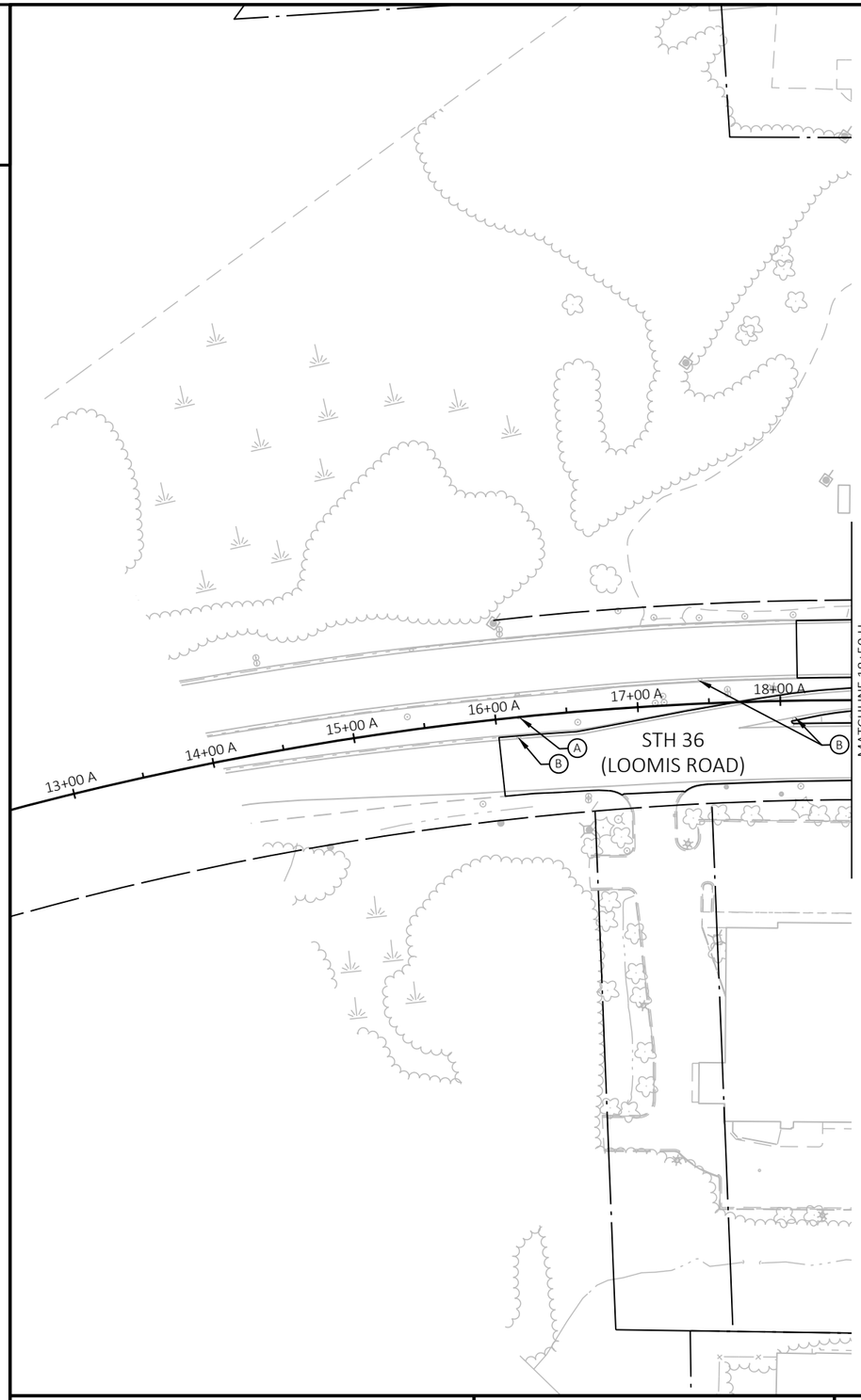
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- (C) INLET PROTECTION TYPE C
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- (R) SILT FENCE DRAINAGE RELIEF
- CULVERT PIPE CHECKS (ROCK BAGS REQ'D)
- TEMPORARY DITCH CHECKS

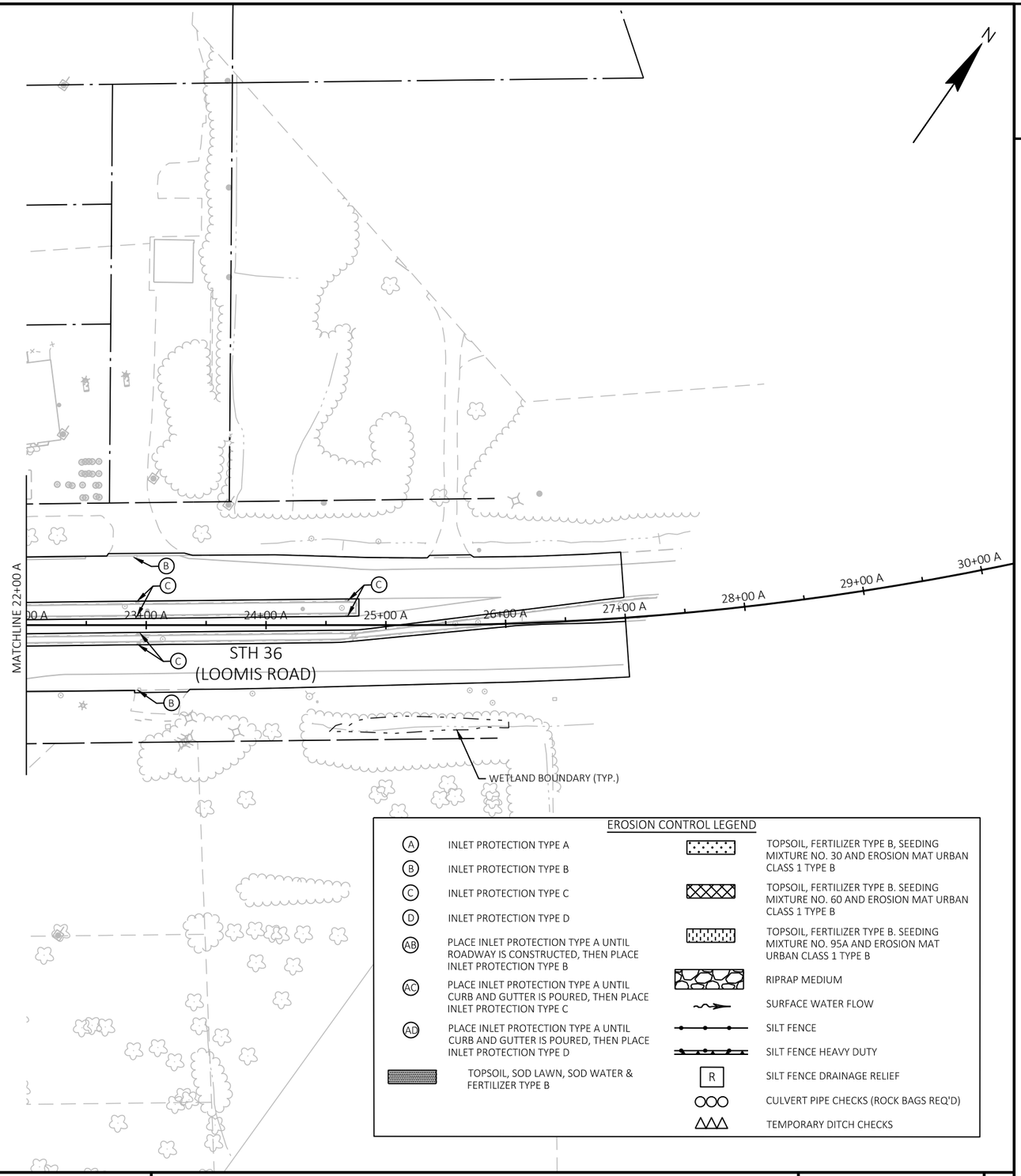


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET 113	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022007-ec

PLOT DATE : 7/12/2024 10:19 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT





EROSION CONTROL LEGEND

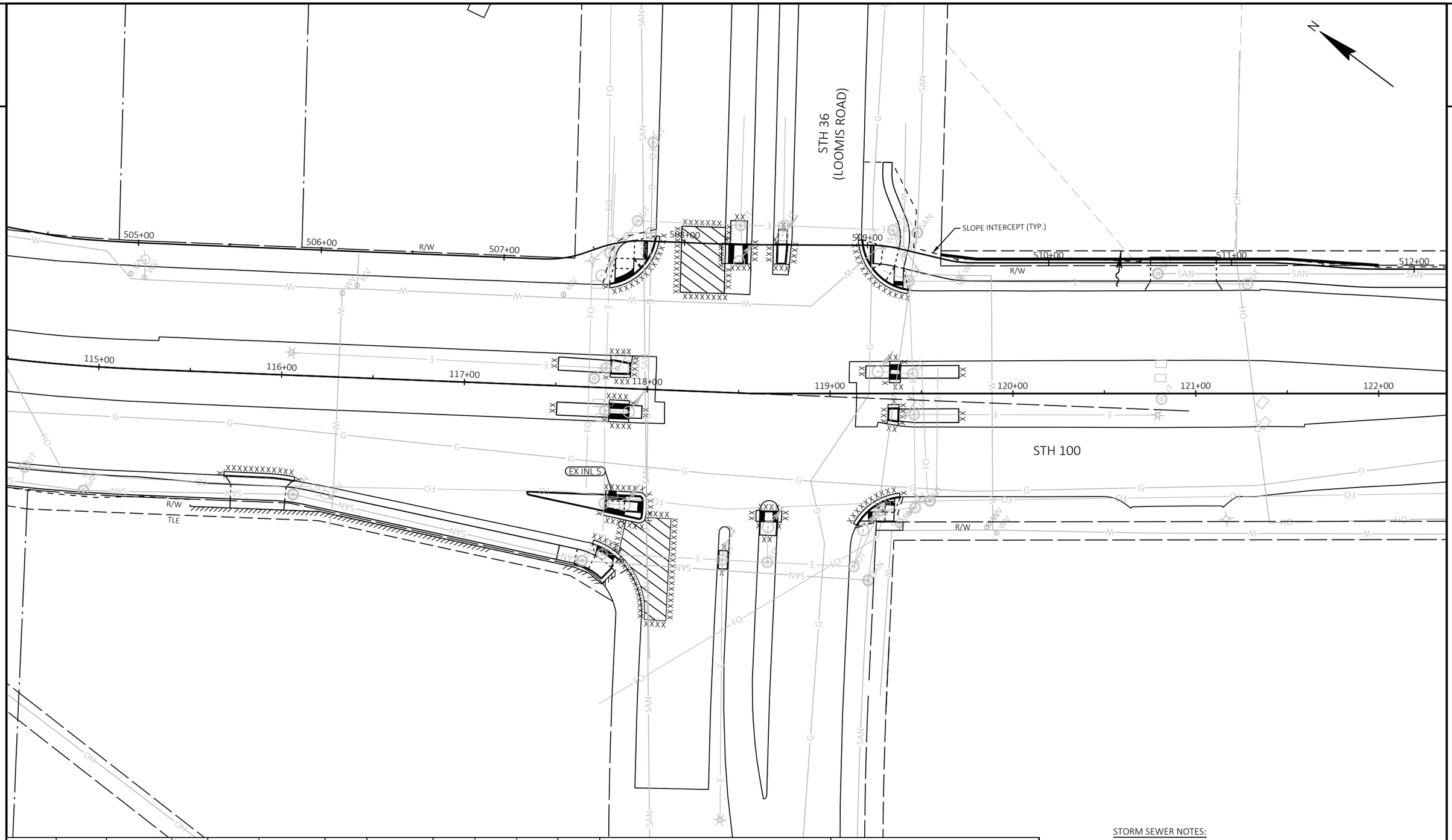
- (A) INLET PROTECTION TYPE A
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- (C) INLET PROTECTION TYPE C
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- (R) SILT FENCE DRAINAGE RELIEF
- CULVERT PIPE CHECKS (ROCK BAGS REQ'D)
- TEMPORARY DITCH CHECKS

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET 114	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022008-ec

PLOT DATE : 7/12/2024 10:20 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : ##########

2

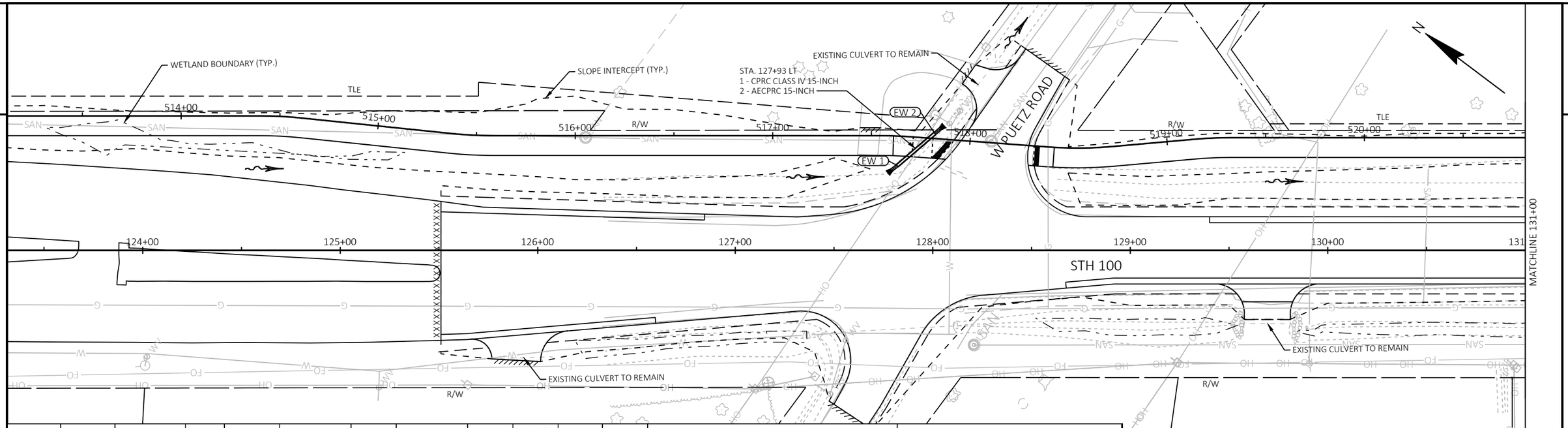


STRUCT NO.	STATION	OFFSET		C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
EX INL 5	117+83.29	58.3	' RT	-	-	-	-	-	-	805.44	-	-	-	-	-	-	-	ADJUSTING INLET COVERS REQ'D

STORM SEWER NOTES:

ENDWALL STATION/OFFSET IS AT CONNECTION WITH PIPE.

STRUCTURE STATION/OFFSET IS AT CENTER OF STRUCTURE.

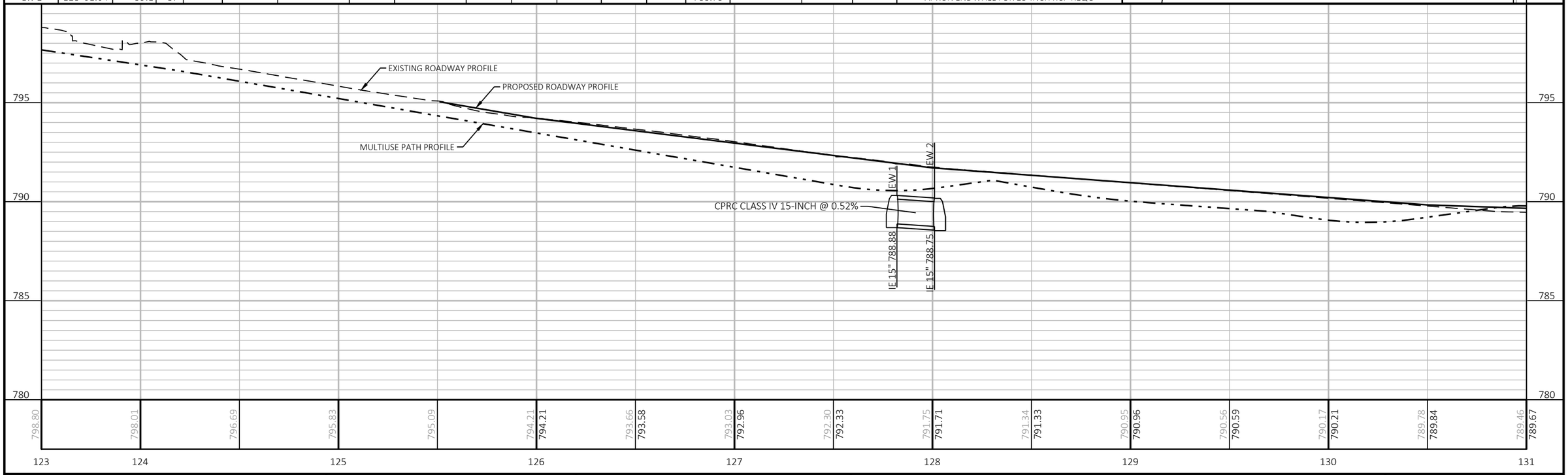


STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
EW 1	127+82.06	42.9 'LT	25.0	EW 2	-	-	-	-	-	-	-	15	788.88	788.75	25	0.52%	APRON ENDWALL FOR 15-INCH RCP REQ'D
EW 2	128+01.04	59.1 'LT	-	-	-	-	-	-	-	-	-	-	788.75	-	-	-	APRON ENDWALL FOR 15-INCH RCP REQ'D

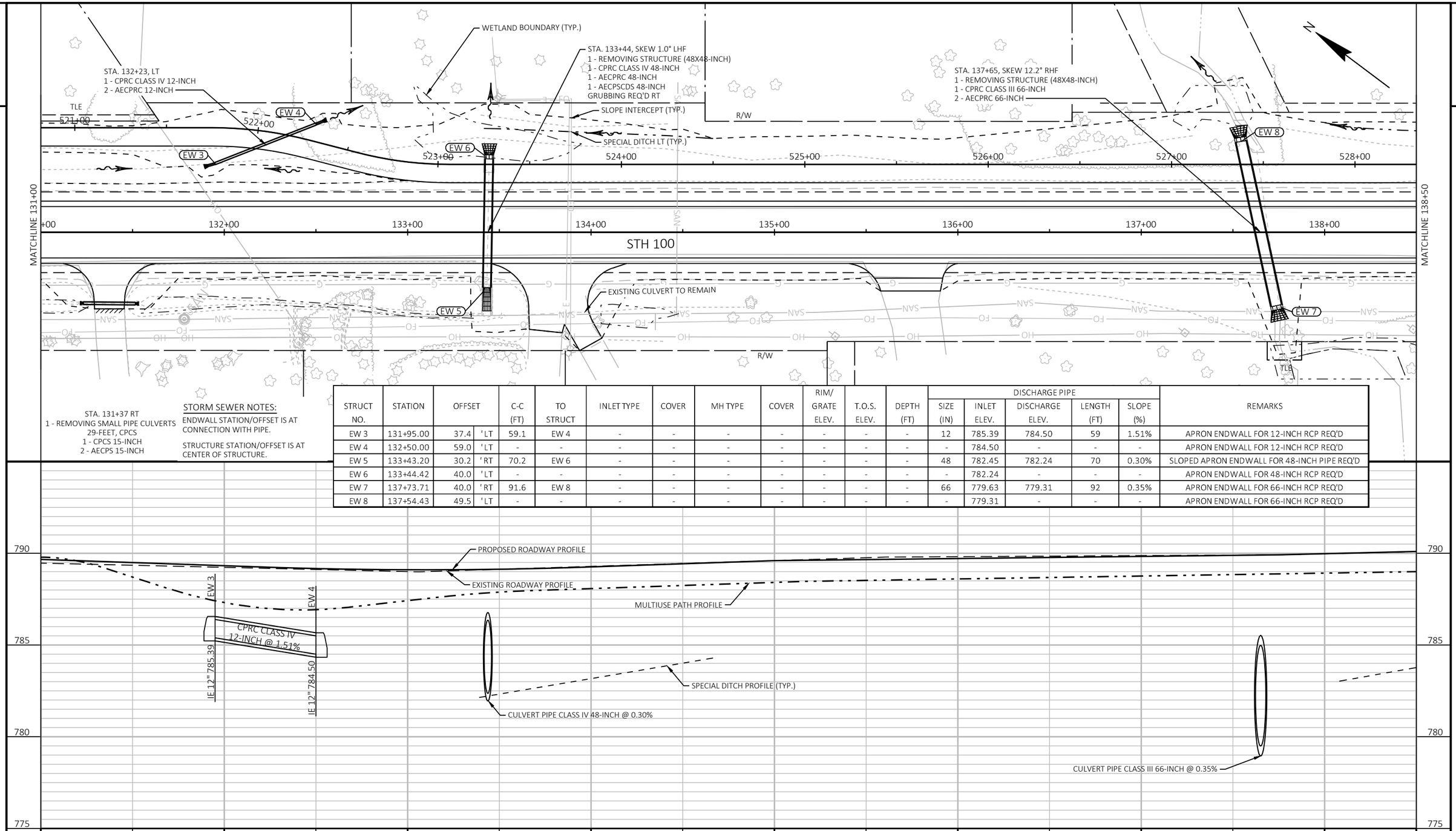
STORM SEWER NOTES:

ENDWALL STATION/OFFSET IS AT CONNECTION WITH PIPE.

STRUCTURE STATION/OFFSET IS AT CENTER OF STRUCTURE.



PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	STORM SEWER	SHEET 116	E



STA. 131+37 RT
1 - REMOVING SMALL PIPE CULVERTS
29-FEET, CPCS
1 - CPCS 15-INCH
2 - AECPS 15-INCH

STORM SEWER NOTES:

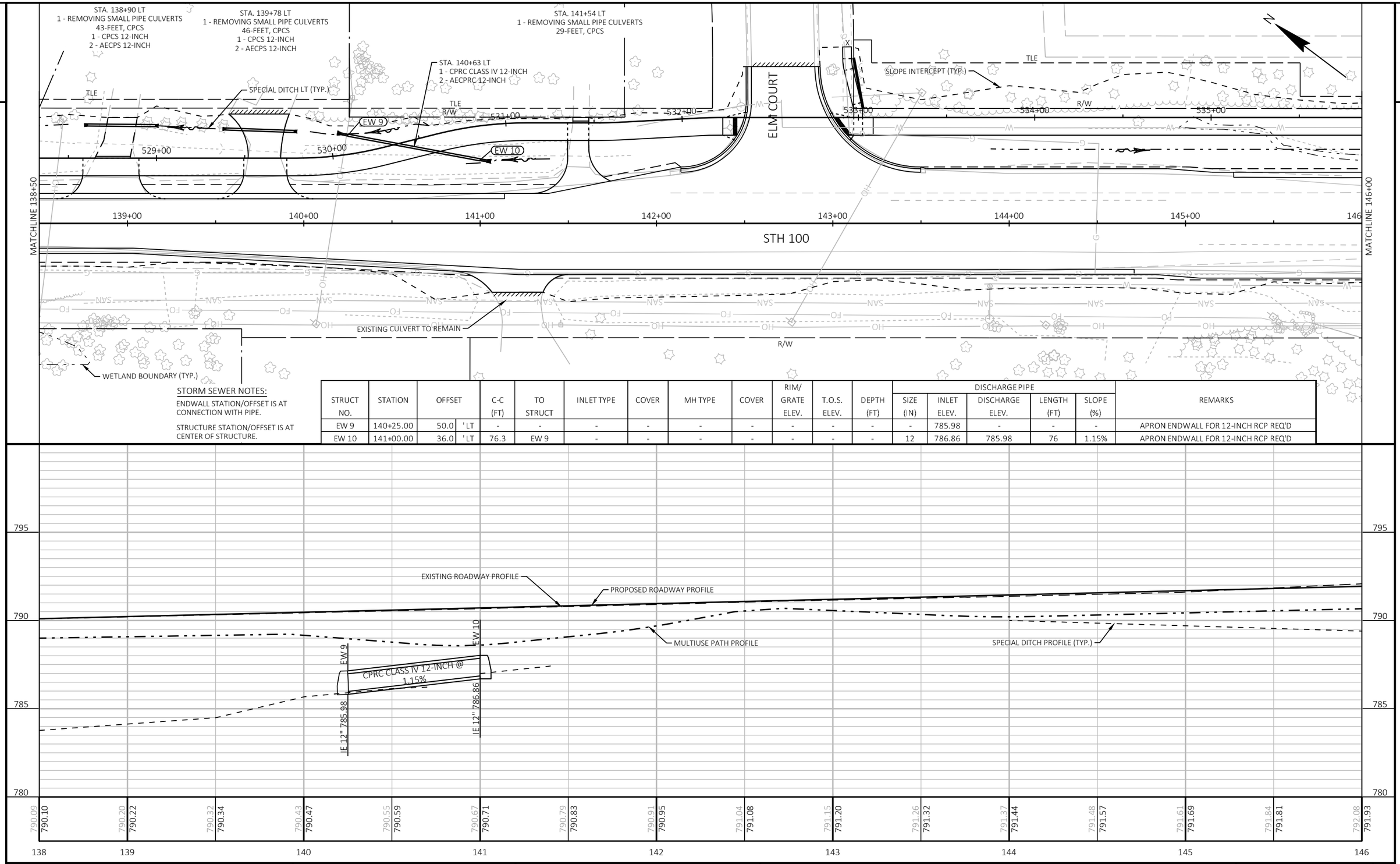
ENDWALL STATION/OFFSET IS AT CONNECTION WITH PIPE.

STRUCTURE STATION/OFFSET IS AT CENTER OF STRUCTURE.

STRUCT NO.	STATION	OFFSET		C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH 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	131+95.00	37.4	'LT	59.1	EW 4	-	-	-	-	-	-	-	12	785.39	784.50	59	1.51%	APRON ENDWALL FOR 12-INCH RCP REQ'D
EW 4	132+50.00	59.0	'LT	-	-	-	-	-	-	-	-	-	-	784.50	-	-	-	APRON ENDWALL FOR 12-INCH RCP REQ'D
EW 5	133+43.20	30.2	'RT	70.2	EW 6	-	-	-	-	-	-	-	48	782.45	782.24	70	0.30%	SLOPED APRON ENDWALL FOR 48-INCH PIPE REQ'D
EW 6	133+44.42	40.0	'LT	-	-	-	-	-	-	-	-	-	-	782.24	-	-	-	APRON ENDWALL FOR 48-INCH RCP REQ'D
EW 7	137+73.71	40.0	'RT	91.6	EW 8	-	-	-	-	-	-	-	66	779.63	779.31	92	0.35%	APRON ENDWALL FOR 66-INCH RCP REQ'D
EW 8	137+54.43	49.5	'LT	-	-	-	-	-	-	-	-	-	-	779.31	-	-	-	APRON ENDWALL FOR 66-INCH RCP REQ'D

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	STORM SEWER	SHEET 117	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022502-ss
PLOT DATE : 7/12/2024 10:15 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42



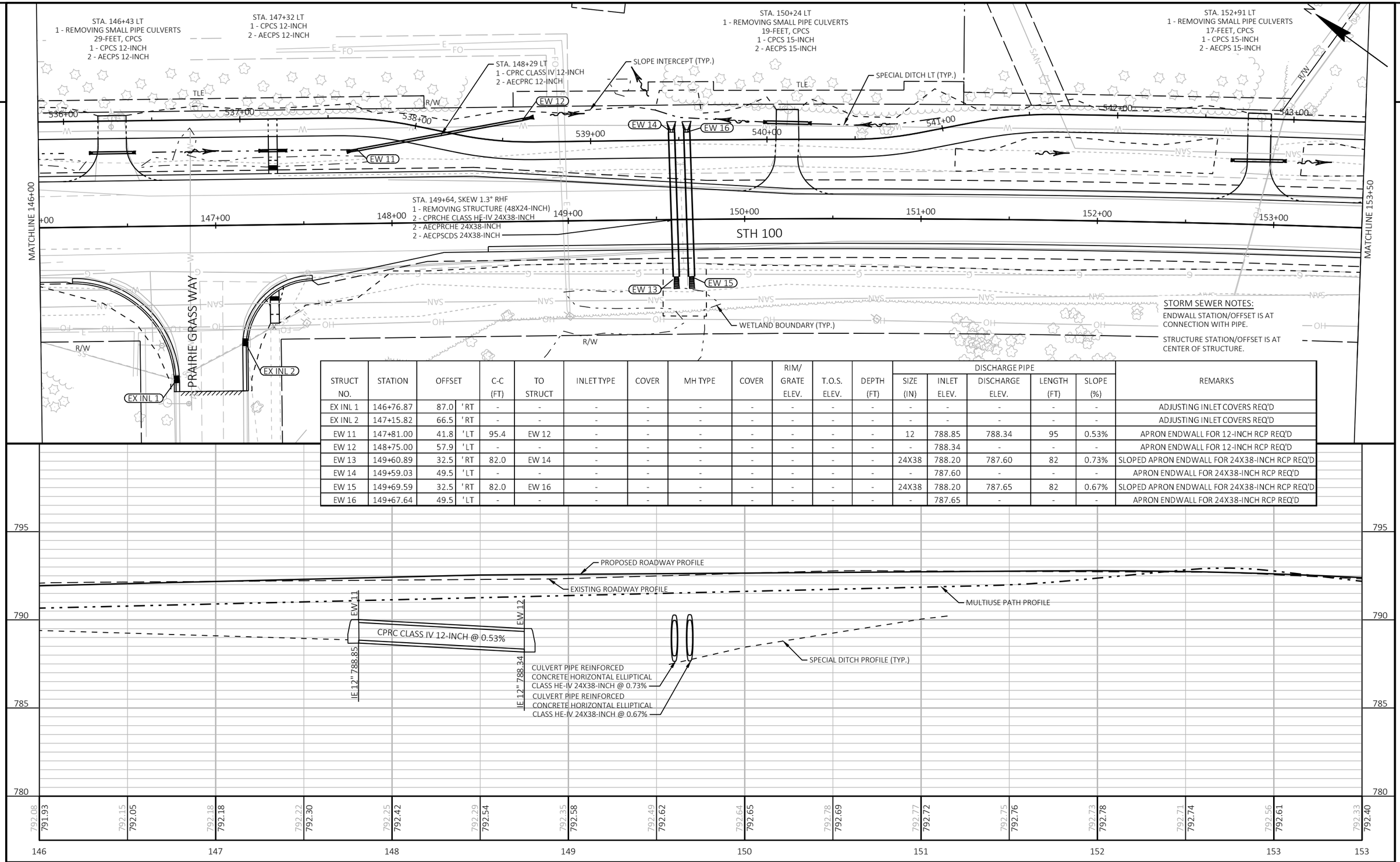
STORM SEWER NOTES:

ENDWALL STATION/OFFSET IS AT CONNECTION WITH PIPE.

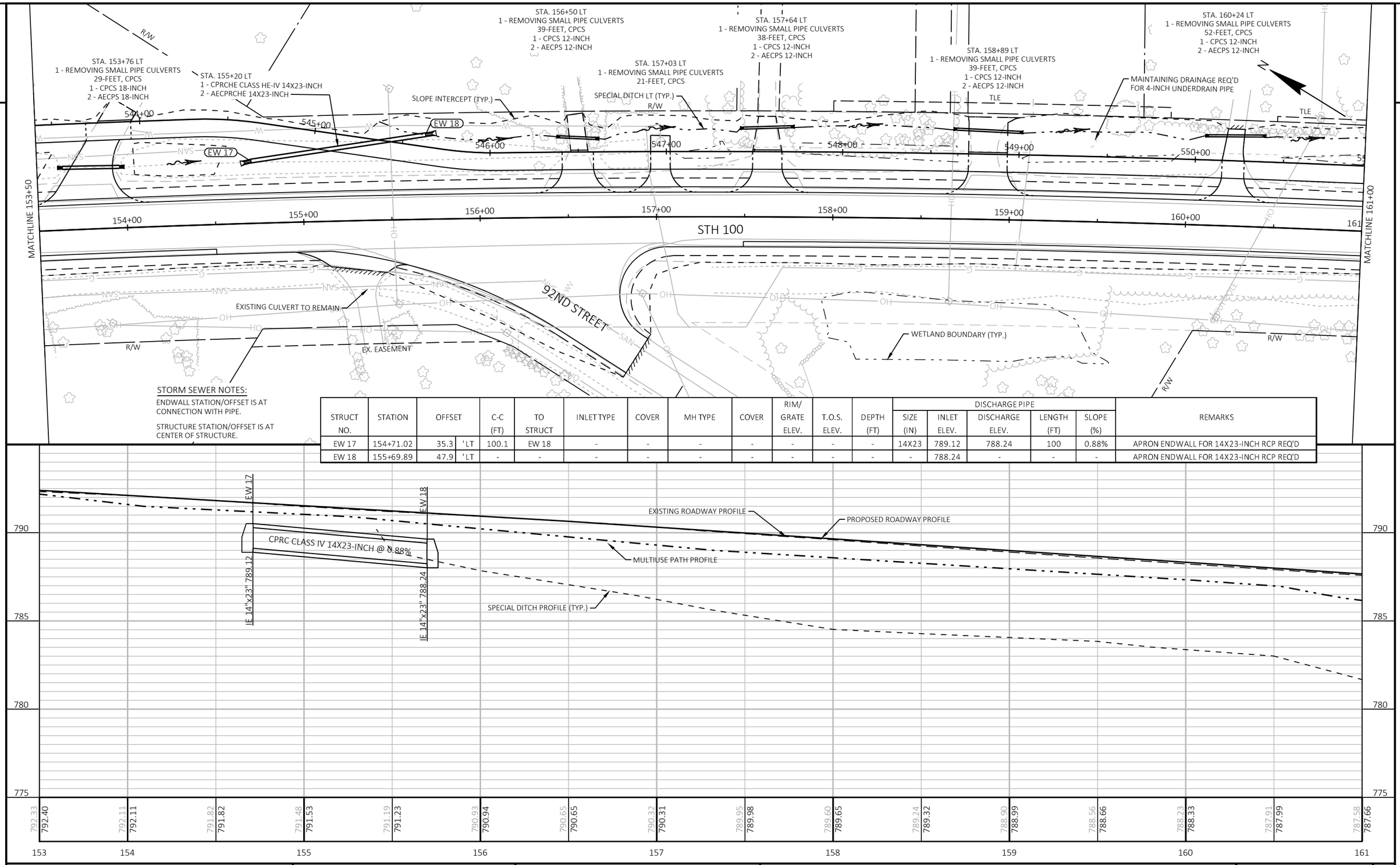
STRUCTURE STATION/OFFSET IS AT CENTER OF STRUCTURE.

STRUCT NO.	STATION	OFFSET		C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH 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 9	140+25.00	50.0	'LT	-	-	-	-	-	-	-	-	-	-	785.98	-	-	-	APRON ENDWALL FOR 12-INCH RCP REQ'D
EW 10	141+00.00	36.0	'LT	76.3	EW 9	-	-	-	-	-	-	-	12	786.86	785.98	76	1.15%	APRON ENDWALL FOR 12-INCH RCP REQ'D

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	STORM SEWER	SHEET 118	E

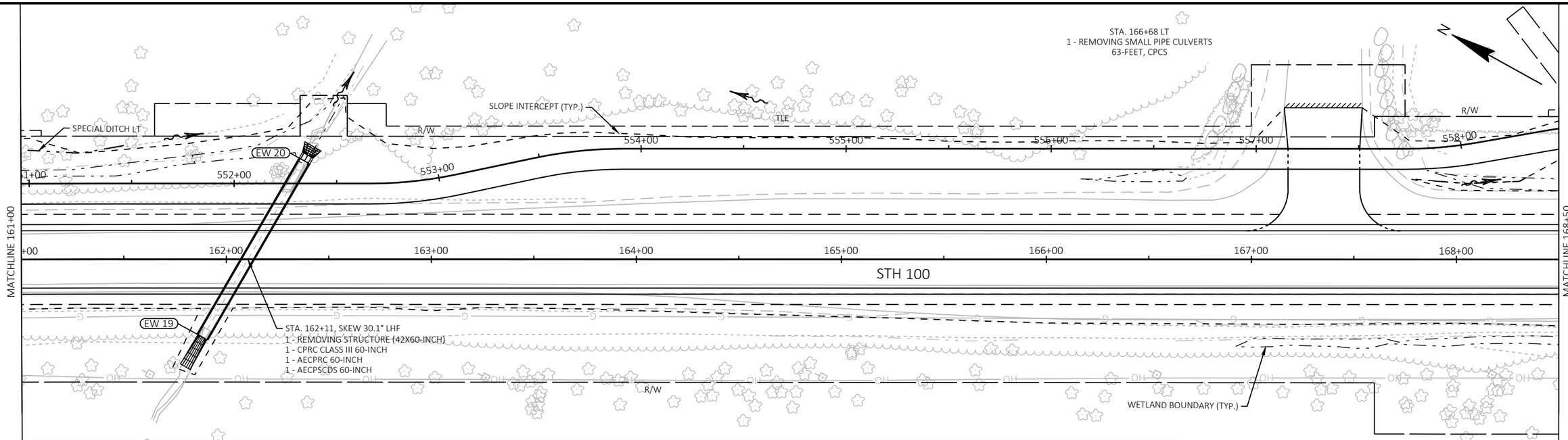


STRUCT NO.	STATION	OFFSET		C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
EX INL 1	146+76.87	87.0	'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING INLET COVERS REQ'D
EX INL 2	147+15.82	66.5	'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING INLET COVERS REQ'D
EW 11	147+81.00	41.8	'LT	95.4	EW 12	-	-	-	-	-	-	-	12	788.85	788.34	95	0.53%	APRON ENDWALL FOR 12-INCH RCP REQ'D
EW 12	148+75.00	57.9	'LT	-	-	-	-	-	-	-	-	-	-	788.34	-	-	-	APRON ENDWALL FOR 12-INCH RCP REQ'D
EW 13	149+60.89	32.5	'RT	82.0	EW 14	-	-	-	-	-	-	-	24X38	788.20	787.60	82	0.73%	SLOPED APRON ENDWALL FOR 24X38-INCH RCP REQ'D
EW 14	149+59.03	49.5	'LT	-	-	-	-	-	-	-	-	-	-	787.60	-	-	-	APRON ENDWALL FOR 24X38-INCH RCP REQ'D
EW 15	149+69.59	32.5	'RT	82.0	EW 16	-	-	-	-	-	-	-	24X38	788.20	787.65	82	0.67%	SLOPED APRON ENDWALL FOR 24X38-INCH RCP REQ'D
EW 16	149+67.64	49.5	'LT	-	-	-	-	-	-	-	-	-	-	787.65	-	-	-	APRON ENDWALL FOR 24X38-INCH RCP REQ'D



STRUCT NO.	STATION	OFFSET		C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH 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 17	154+71.02	35.3	'LT	100.1	EW 18	-	-	-	-	-	-	-	14X23	789.12	788.24	100	0.88%	APRON ENDWALL FOR 14X23-INCH RCP REQ'D
EW 18	155+69.89	47.9	'LT	-	-	-	-	-	-	-	-	-	-	788.24	-	-	-	APRON ENDWALL FOR 14X23-INCH RCP REQ'D

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	STORM SEWER	SHEET 120 E

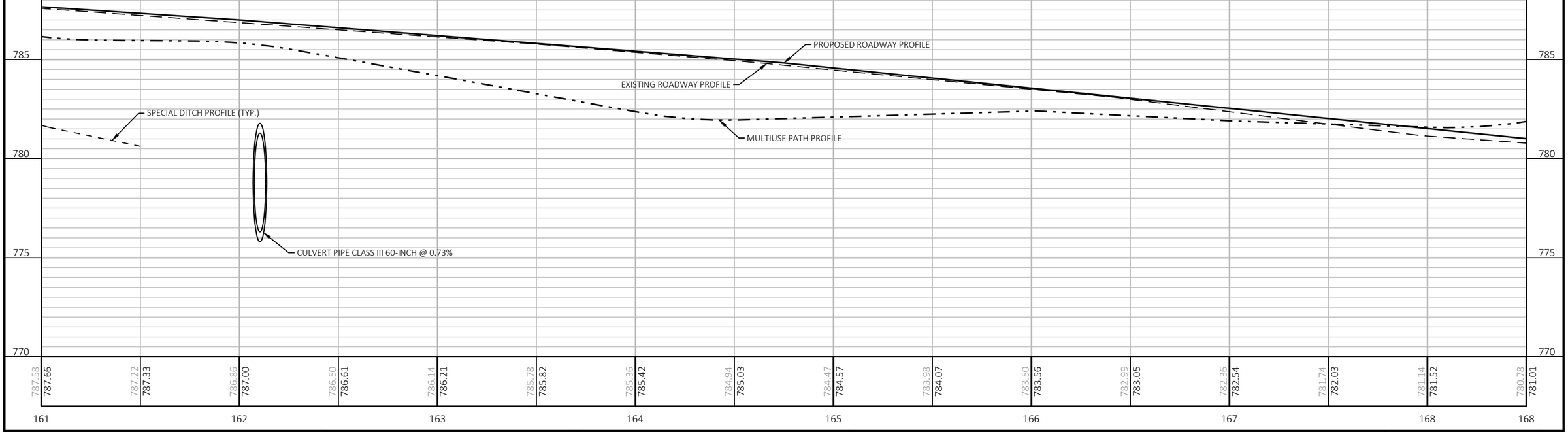


STRUCT NO.	STATION	OFFSET		C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
EW 19	161+88.34	38.0	'RT	99.4	EW 20	-	-	-	-	-	-	-	60	776.61	775.89	99	0.73%	SLOPED APRON ENDWALL FOR 60-INCH PIPE REQ'D
EW 20	162+38.11	48.0	'LT	-	-	-	-	-	-	-	-	-	-	775.89	-	-	-	APRON ENDWALL FOR 60-INCH RCP REQ'D

STORM SEWER NOTES:

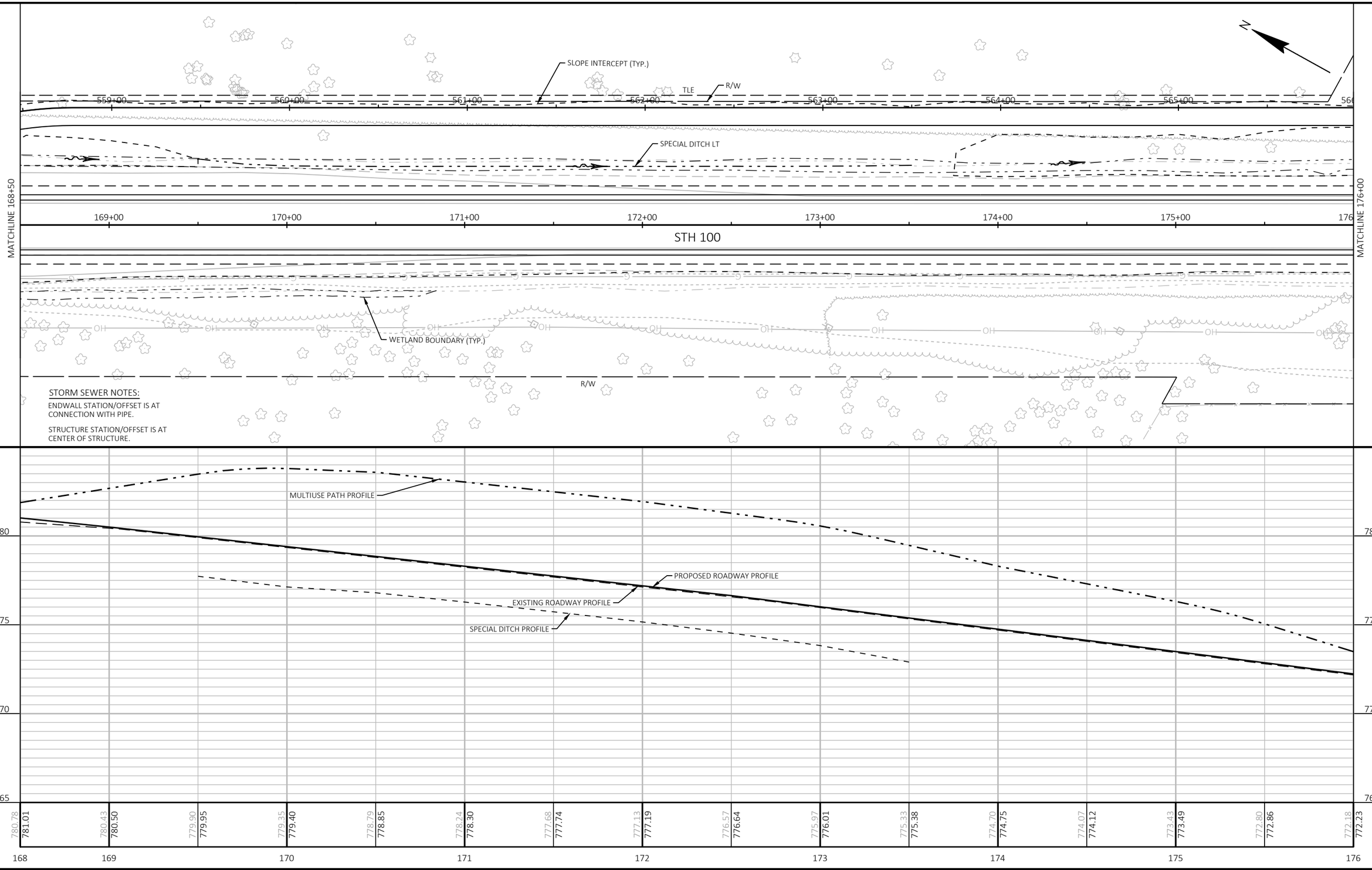
ENDWALL STATION/OFFSET IS AT CONNECTION WITH PIPE.

STRUCTURE STATION/OFFSET IS AT CENTER OF STRUCTURE.



PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	STORM SEWER	SHEET 121	E

2



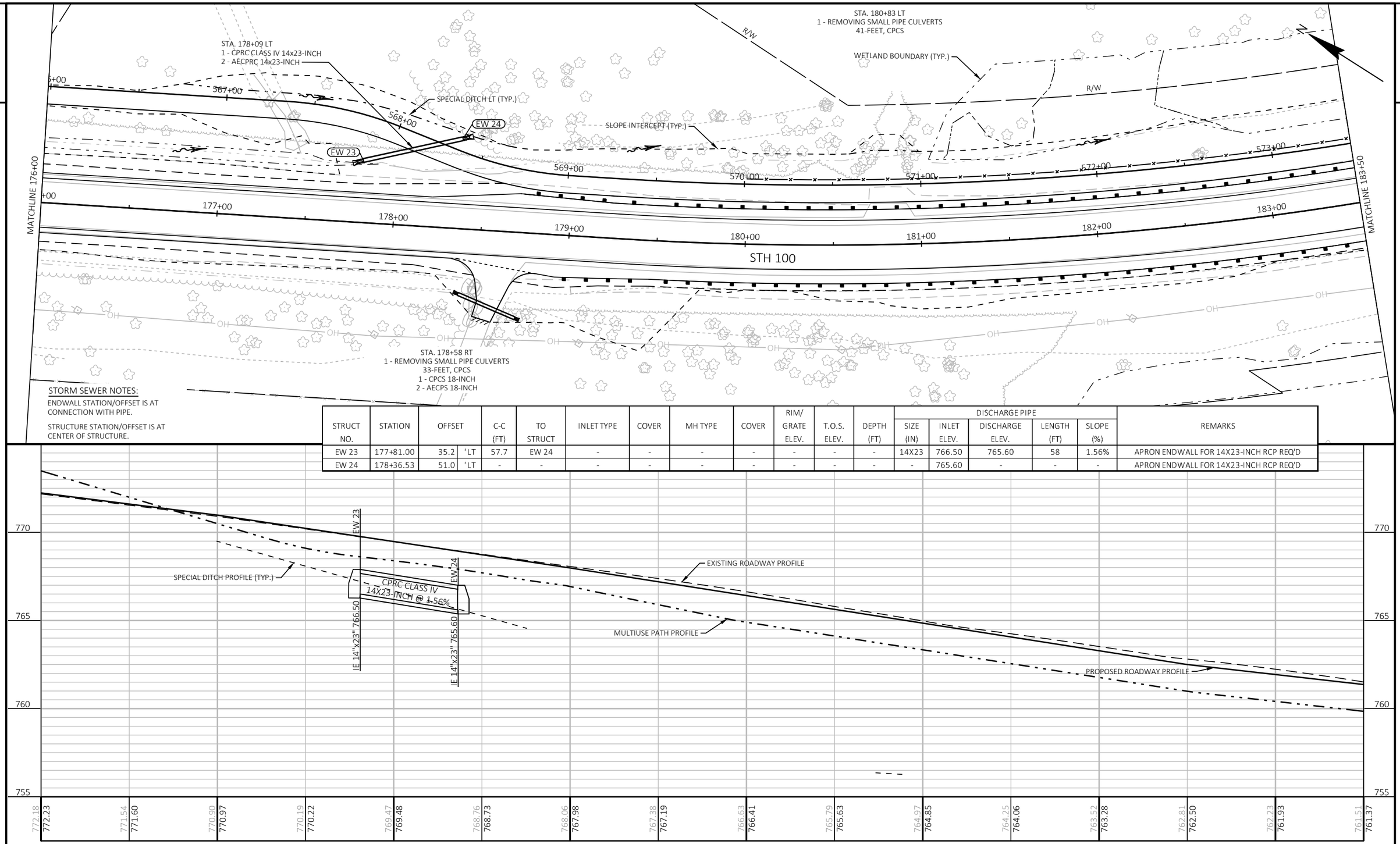
STORM SEWER NOTES:

ENDWALL STATION/OFFSET IS AT CONNECTION WITH PIPE.

STRUCTURE STATION/OFFSET IS AT CENTER OF STRUCTURE.

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	STORM SEWER	SHEET 122	E

2



STORM SEWER NOTES:

ENDWALL STATION/OFFSET IS AT CONNECTION WITH PIPE.

STRUCTURE STATION/OFFSET IS AT CENTER OF STRUCTURE.

STRUCT NO.	STATION	OFFSET		C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH 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 23	177+81.00	35.2	'LT	57.7	EW 24	-	-	-	-	-	-	-	14X23	766.50	765.60	58	1.56%	APRON ENDWALL FOR 14X23-INCH RCP REQ'D
EW 24	178+36.53	51.0	'LT	-	-	-	-	-	-	-	-	-	-	765.60	-	-	-	APRON ENDWALL FOR 14X23-INCH RCP REQ'D

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	STORM SEWER	SHEET 123	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022508-ss
PLOT DATE : 7/12/2024 10:21 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

NOTE:

WE ENERGIES CAN DE-ENERGIZE THE OVERHEAD ELECTRIC LINE BETWEEN THE POLES LOCATED AT STATION 186+41, 49' RT AND STATION 188+04, 36' RT, IF NEEDED. CONTACT WE ENERGIES AT LEAST 20 WORKING DAYS IN ADVANCE IF OVERHEAD ELECTRIC LINE NEEDS TO BE DE-ENERGIZED FOR CULVERT REMOVAL AND/OR CONSTRUCTION. OVERHEAD COMMUNICATION LINE WILL REMAIN IN PLACE.

STA. 190+33 LT
1- REMOVING SMALL PIPE CULVERTS
74-FEET, CPCS
1 - CPRC CLASS IV 18-INCH
2 - AECPRC 18-INCH

MATCHLINE 183+50

MATCHLINE 191+00

SLOPE INTERCEPT (TYP.)

SPECIAL DITCH LT (TYP.)

R/W

EW 25

EW 26

EW 27

EW 28

574+00 575+00 576+00 577+00 578+00 579+00 580+00

184+00 185+00 186+00 187+00 188+00 189+00 190+00 191

STH 100

OH

STA. 187+40
1 - CPRC CLASS III 72-INCH
2 - AECPRC 72-INCH

STA. 187+60
1 - REMOVING STRUCTURE (72X60-INCH)
MAINTAINING DRAINAGE REQ'D

WETLAND BOUNDARY (TYP.)

STORM SEWER NOTES:

ENDWALL STATION/OFFSET IS AT CONNECTION WITH PIPE.

STRUCTURE STATION/OFFSET IS AT CENTER OF STRUCTURE.

760
755
750
745
740

EXISTING ROADWAY PROFILE

PROPOSED ROADWAY PROFILE

MULTIUSE PATH PROFILE

SPECIAL DITCH PROFILE

CULVERT PIPE CLASS III 72-INCH @ 0.31%

CPRC CLASS IV 18-INCH @ 3.57%

IE 18" 748.43

IE 18" 751.17

761.51 761.37 760.98 760.80 760.53 760.24 760.10 759.67 759.34 759.10 758.86 758.54 758.26 757.98 757.78 757.53 757.41 757.18 757.16 756.95 756.91 756.82 756.79 756.80 756.88 756.90 757.00 757.09 757.25 757.29 757.55 757.49

183 184 185 186 187 188 189 190 191

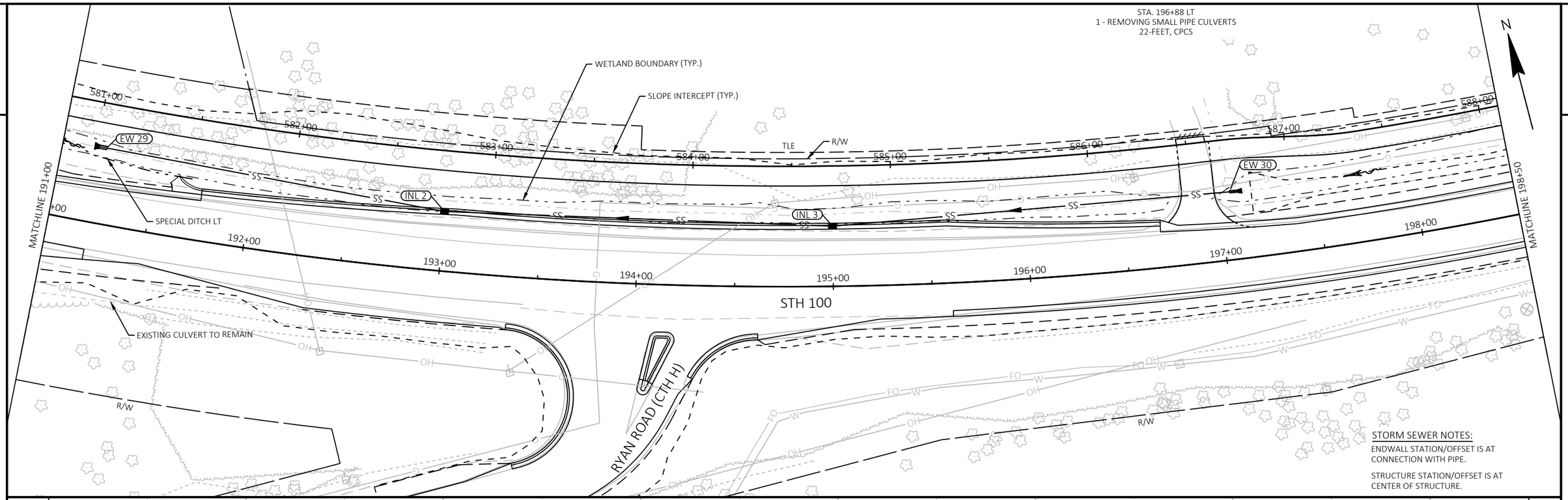
STRUCT NO.	STATION	OFFSET		C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
EW 25	187+40.00	62.7	'LT	116.4	EW 26	-	-	-	-	-	-	-	72	740.96	740.60	116	0.31%	APRON ENDWALL FOR 72-INCH RCP REQ'D
EW 26	187+40.00	53.7	'RT	-	-	-	-	-	-	-	-	-	-	740.60	-	-	-	APRON ENDWALL FOR 72-INCH RCP REQ'D
EW 27	189+95.10	70.7	'LT	-	-	-	-	-	-	-	-	-	-	748.43	-	-	-	APRON ENDWALL FOR 18-INCH RCP REQ'D
EW 28	190+68.86	42.7	'LT	76.8	EW 27	-	-	-	-	-	-	-	18	751.17	748.43	77	3.57%	APRON ENDWALL FOR 18-INCH RCP REQ'D

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	STORM SEWER	SHEET 124	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022509-ss
PLOT DATE : 7/22/2024 2:21 PM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

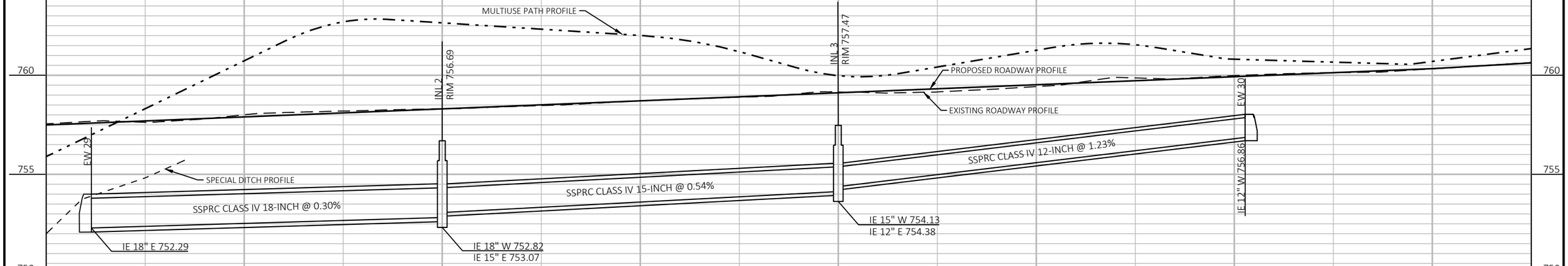
STA. 196+88 LT
1 - REMOVING SMALL PIPE CULVERTS
22-FEET, CPCS



STORM SEWER NOTES:

ENDWALL STATION/OFFSET IS AT CONNECTION WITH PIPE.

STRUCTURE STATION/OFFSET IS AT CENTER OF STRUCTURE.

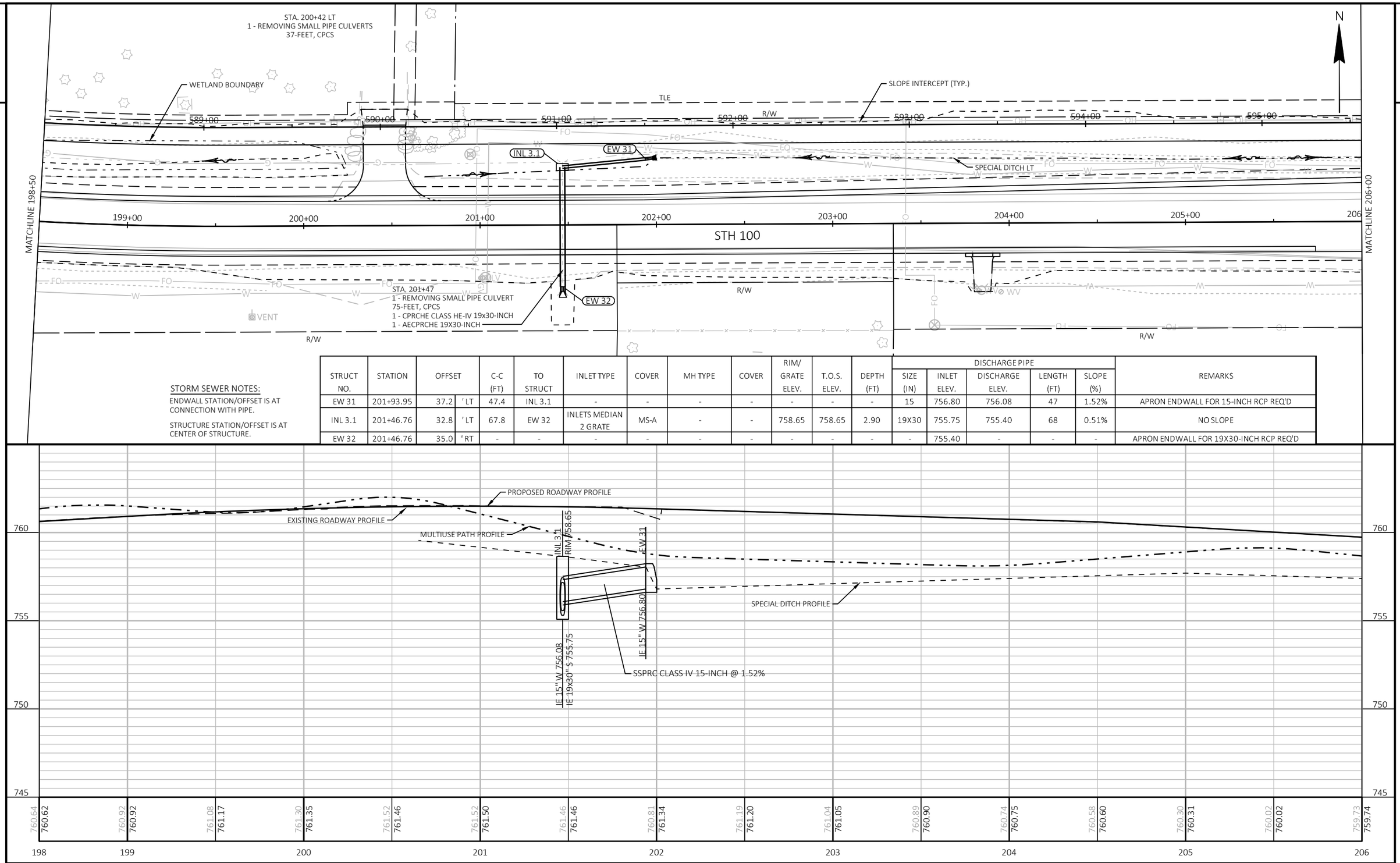


STRUCT NO.	STATION	OFFSET		C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
EW 29	191+22.80	38.5	'LT	-	-	-	-	-	-	-	-	-	-	752.29	-	-	-	APRON ENDWALL FOR 18-INCH RCP REQ'D
INL 2	193+00.00	30.2	'LT	174.2	EW 29	4-FT DIAMETER	HM	-	-	756.69	755.86	3.04	18	752.82	752.29	174	0.30%	FLAT TOP 2'X3' OPENING REQ'D
INL 3	195+00.00	30.5	'LT	196.7	INL 2	4-FT DIAMETER	HM	-	-	757.47	756.81	2.68	15	754.13	753.07	197	0.54%	FLAT TOP 2'X3' OPENING REQ'D
EW 30	197+05.48	34.4	'LT	201.9	INL 3	-	-	-	-	-	-	-	12	756.86	754.38	202	1.23%	APRON ENDWALL FOR 12-INCH RCP REQ'D

757.55	757.49	757.62	757.69	758.00	757.90	758.19	758.10	758.31	758.30	758.47	758.51	758.71	758.71	758.89	758.91	759.15	759.12	759.15	759.32	759.43	759.52	759.87	759.72	759.98	759.93	760.13	760.13	760.32	760.33	760.64	760.62
191		192		193		194		195		196		197		198		198															

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	STORM SEWER	SHEET 125	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022510-ss
PLOT DATE : 7/12/2024 10:22 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42



STORM SEWER NOTES:

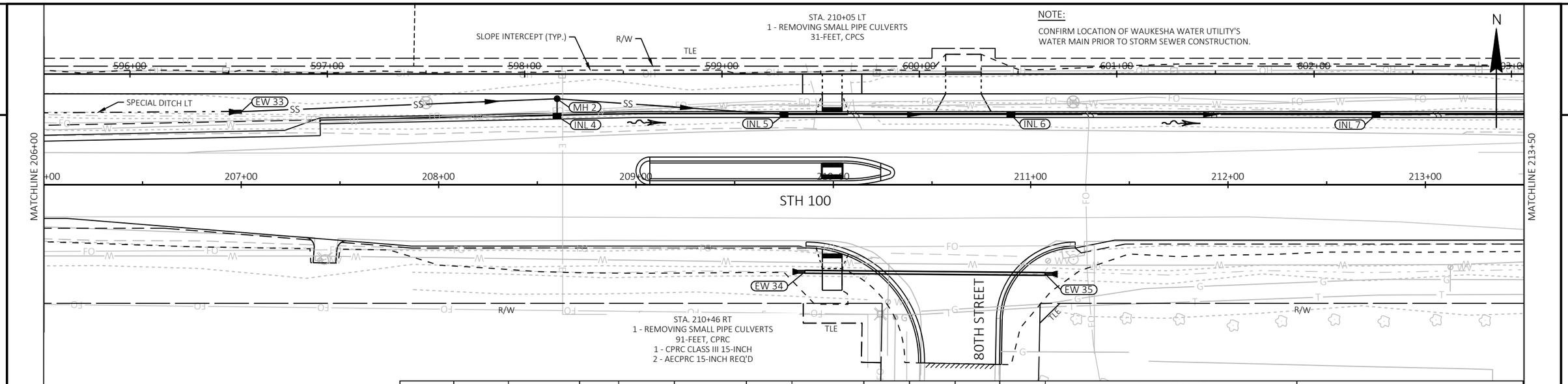
ENDWALL STATION/OFFSET IS AT CONNECTION WITH PIPE.

STRUCTURE STATION/OFFSET IS AT CENTER OF STRUCTURE.

STRUCT NO.	STATION	OFFSET		C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH 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 31	201+93.95	37.2	' LT	47.4	INL 3.1	-	-	-	-	-	-	-	15	756.80	756.08	47	1.52%	APRON ENDWALL FOR 15-INCH RCP REQ'D
INL 3.1	201+46.76	32.8	' LT	67.8	EW 32	INLETS MEDIAN 2 GRATE	MS-A	-	-	758.65	758.65	2.90	19X30	755.75	755.40	68	0.51%	NO SLOPE
EW 32	201+46.76	35.0	' RT	-	-	-	-	-	-	-	-	-	-	755.40	-	-	-	APRON ENDWALL FOR 19X30-INCH RCP REQ'D

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	STORM SEWER	SHEET 126	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022511-ss
PLOT DATE : 7/12/2024 10:23 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

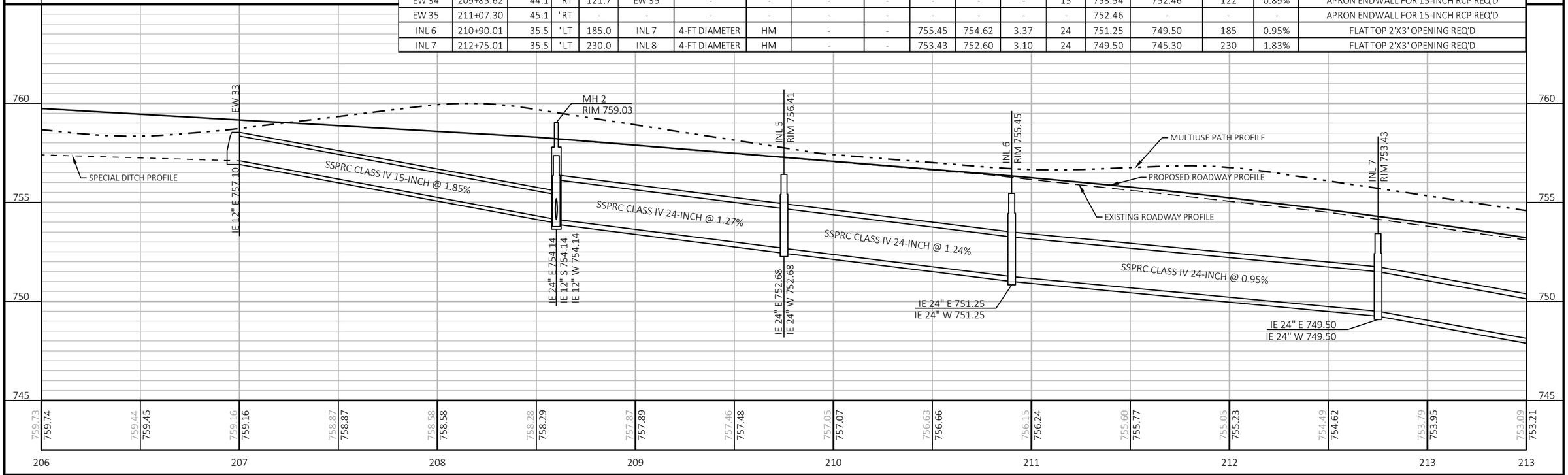


STORM SEWER NOTES:

ENDWALL STATION/OFFSET IS AT CONNECTION WITH PIPE.

STRUCTURE STATION/OFFSET IS AT CENTER OF STRUCTURE.

STRUCT NO.	STATION	OFFSET		C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH 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 33	207+00.00	37.0	'LT	160.1	MH 2	-	-	-	-	-	-	-	15	757.10	754.14	160	1.85%	APRON ENDWALL FOR 15-INCH RCP REQ'D
INL 4	208+60.00	34.7	'LT	8.8	MH 2	2X3-FT	HM	-	-	757.36	756.53	2.34	12	754.19	754.14	9	0.56%	
MH 2	208+60.01	43.5	'LT	115.3	INL 5	-	-	4-FT DIAMETER	J	759.03	757.78	3.64	24	754.14	752.68	115	1.27%	
INL 5	209+75.01	35.5	'LT	115.0	INL 6	4-FT DIAMETER	HM	-	-	756.41	755.58	2.90	24	752.68	751.25	115	1.24%	FLAT TOP 2'X3' OPENING REQ'D
EW 34	209+85.62	44.1	'RT	121.7	EW 35	-	-	-	-	-	-	-	15	753.54	752.46	122	0.89%	APRON ENDWALL FOR 15-INCH RCP REQ'D
EW 35	211+07.30	45.1	'RT	-	-	-	-	-	-	-	-	-	-	752.46	-	-	-	APRON ENDWALL FOR 15-INCH RCP REQ'D
INL 6	210+90.01	35.5	'LT	185.0	INL 7	4-FT DIAMETER	HM	-	-	755.45	754.62	3.37	24	751.25	749.50	185	0.95%	FLAT TOP 2'X3' OPENING REQ'D
INL 7	212+75.01	35.5	'LT	230.0	INL 8	4-FT DIAMETER	HM	-	-	753.43	752.60	3.10	24	749.50	745.30	230	1.83%	FLAT TOP 2'X3' OPENING REQ'D



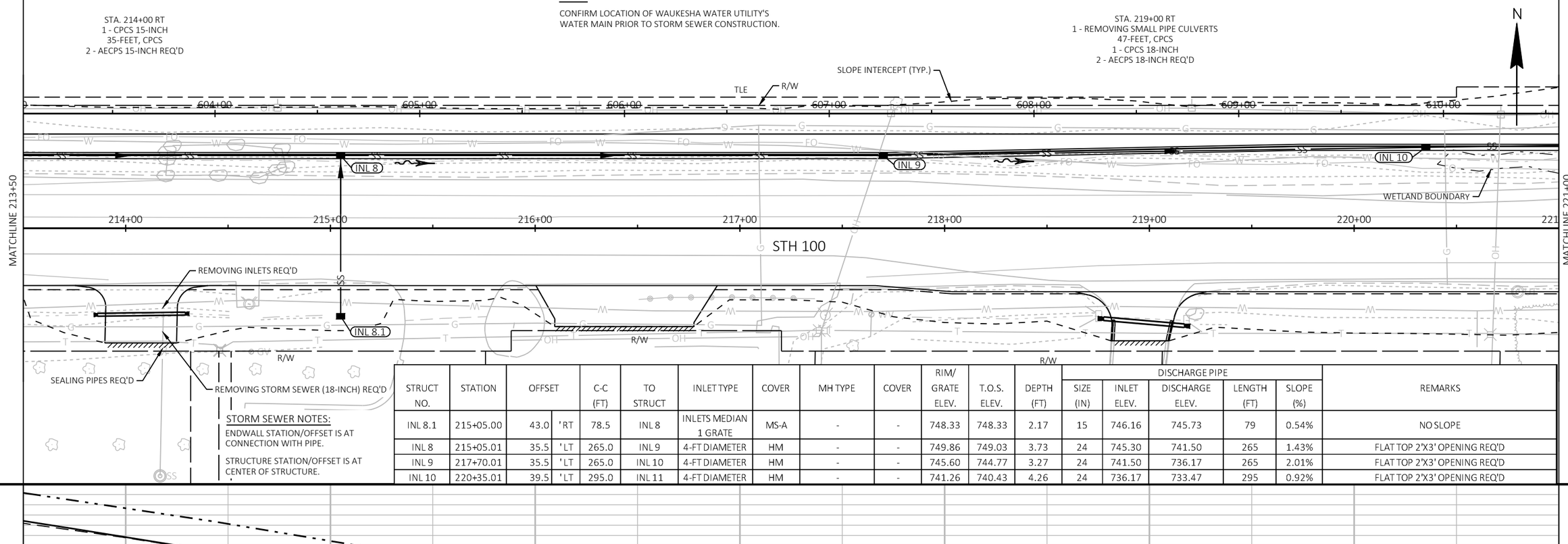
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	STORM SEWER	SHEET 127	E

STA. 214+00 RT
1 - CPCS 15-INCH
35-FEET, CPCS
2 - AECPS 15-INCH REQ'D

NOTE:

CONFIRM LOCATION OF WAUKESHA WATER UTILITY'S WATER MAIN PRIOR TO STORM SEWER CONSTRUCTION.

STA. 219+00 RT
1 - REMOVING SMALL PIPE CULVERTS
47-FEET, CPCS
1 - CPCS 18-INCH
2 - AECPS 18-INCH REQ'D

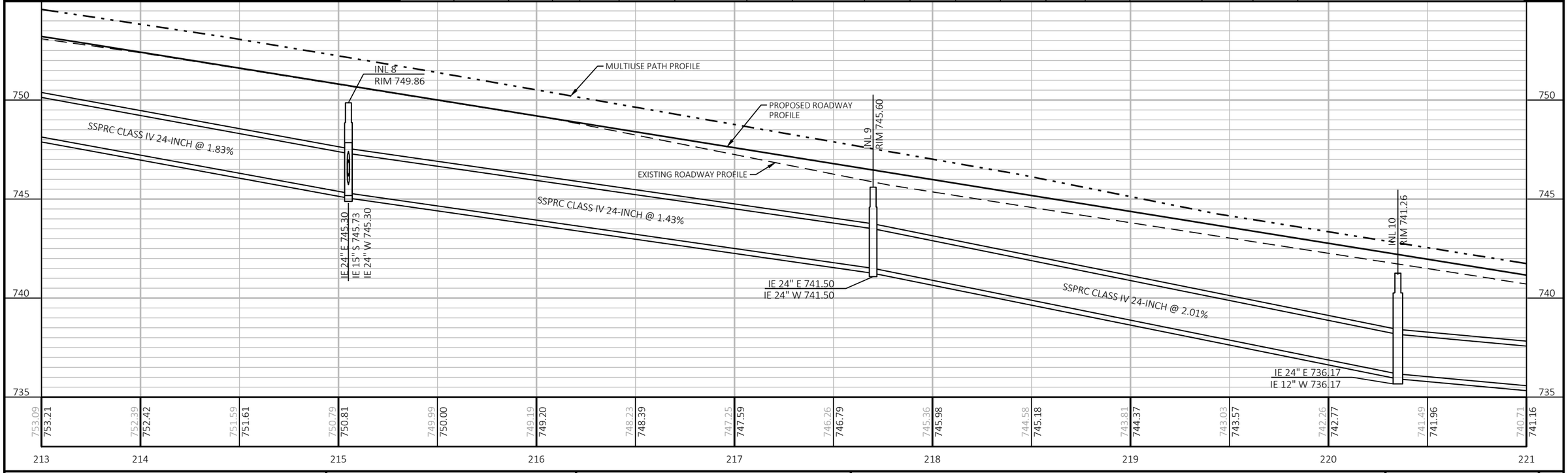


STRUCT NO.	STATION	OFFSET		C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
INL 8.1	215+05.00	43.0	'RT	78.5	INL 8	INLETS MEDIAN 1 GRATE	MS-A	-	-	748.33	748.33	2.17	15	746.16	745.73	79	0.54%	NO SLOPE
INL 8	215+05.01	35.5	'LT	265.0	INL 9	4-FT DIAMETER	HM	-	-	749.86	749.03	3.73	24	745.30	741.50	265	1.43%	FLAT TOP 2'X3' OPENING REQ'D
INL 9	217+70.01	35.5	'LT	265.0	INL 10	4-FT DIAMETER	HM	-	-	745.60	744.77	3.27	24	741.50	736.17	265	2.01%	FLAT TOP 2'X3' OPENING REQ'D
INL 10	220+35.01	39.5	'LT	295.0	INL 11	4-FT DIAMETER	HM	-	-	741.26	740.43	4.26	24	736.17	733.47	295	0.92%	FLAT TOP 2'X3' OPENING REQ'D

STORM SEWER NOTES:

ENDWALL STATION/OFFSET IS AT CONNECTION WITH PIPE.

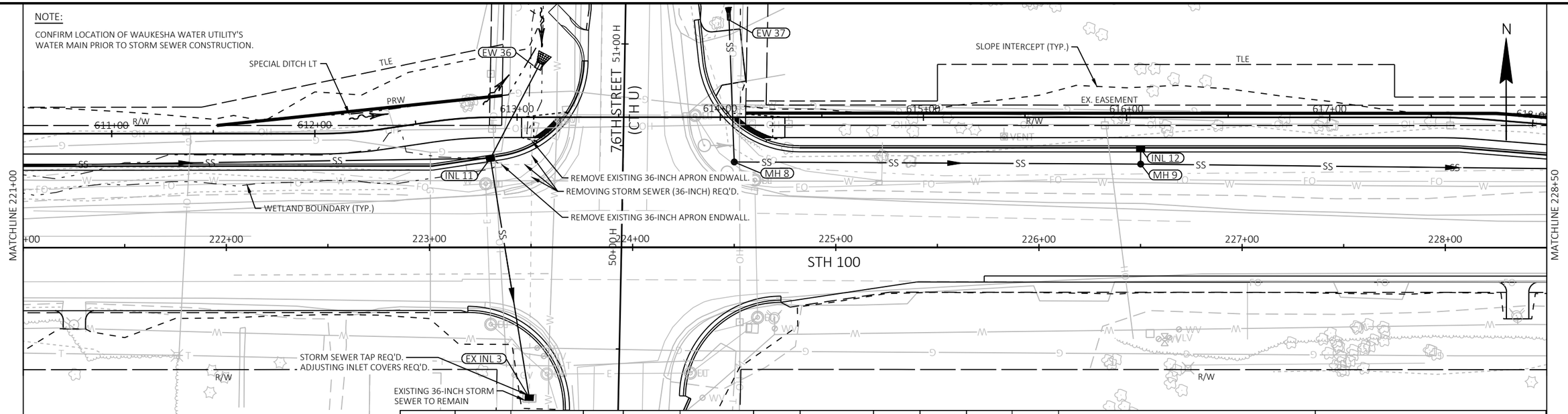
STRUCTURE STATION/OFFSET IS AT CENTER OF STRUCTURE.



PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	STORM SEWER	SHEET 128	E

NOTE:

CONFIRM LOCATION OF WAUKESHA WATER UTILITY'S WATER MAIN PRIOR TO STORM SEWER CONSTRUCTION.

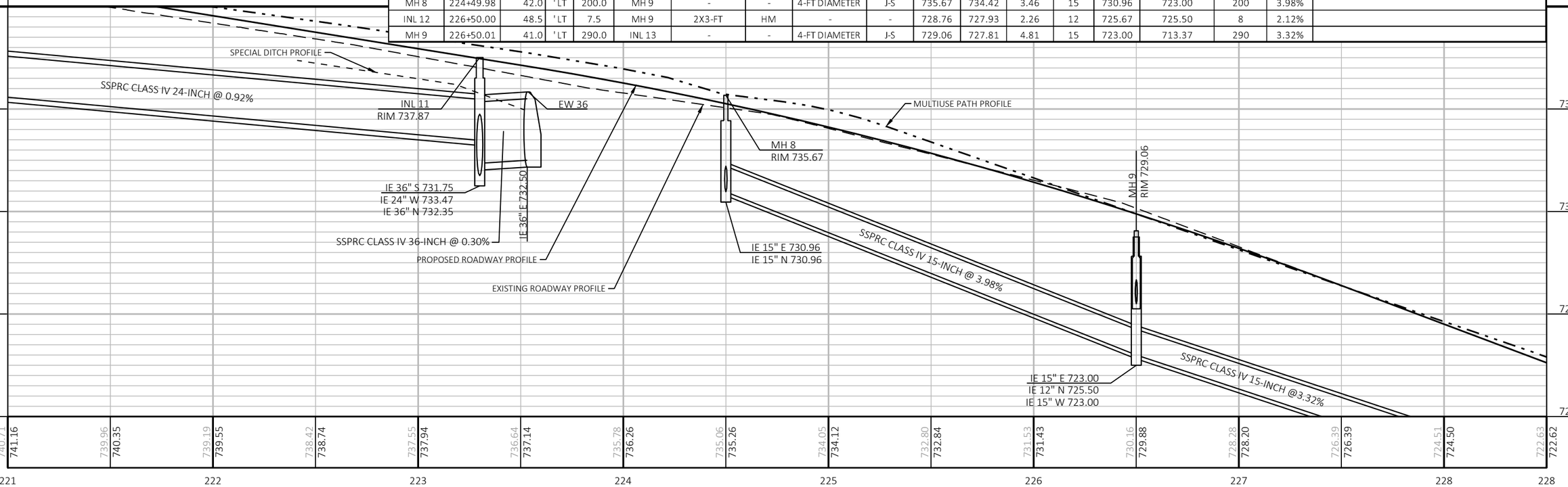


STRUCT NO.	STATION	OFFSET		C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
INL 11	223+30.01	43.8	'LT	119.2	EX INL 3	-	HM	6-FT DIAMETER	-	737.51	736.68	4.93	36	731.75	729.45	119	1.93%	FLAT TOP 2'X3' OPENING REQ'D
EW 36	223+53.16	87.9	'LT	49.8	INL 11	-	-	-	-	-	-	-	36	732.50	732.35	50	0.30%	APRON ENDWALL FOR 36-INCH RCP REQ'D
EW 37	224+47.41	111.8	'LT	69.9	MH 8	-	-	-	-	-	-	-	15	733.75	730.96	70	3.99%	APRON ENDWALL FOR 15-INCH RCP REQ'D
MH 8	224+49.98	42.0	'LT	200.0	MH 9	-	-	4-FT DIAMETER	J-S	735.67	734.42	3.46	15	730.96	723.00	200	3.98%	
INL 12	226+50.00	48.5	'LT	7.5	MH 9	2X3-FT	HM	-	-	728.76	727.93	2.26	12	725.67	725.50	8	2.12%	
MH 9	226+50.01	41.0	'LT	290.0	INL 13	-	-	4-FT DIAMETER	J-S	729.06	727.81	4.81	15	723.00	713.37	290	3.32%	

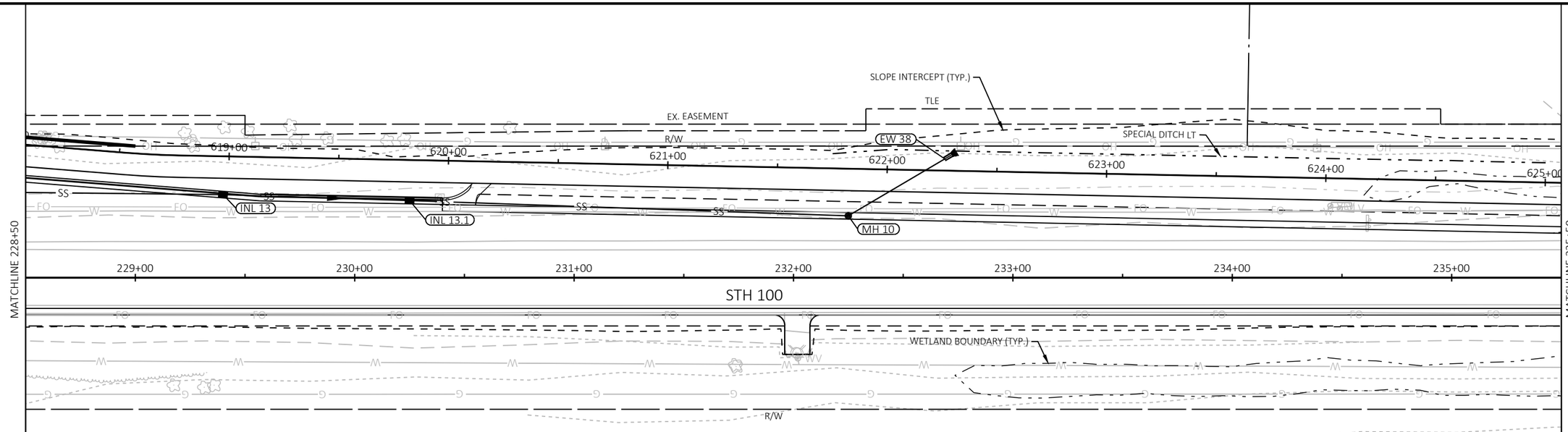
STORM SEWER NOTES:

ENDWALL STATION/OFFSET IS AT CONNECTION WITH PIPE.

STRUCTURE STATION/OFFSET IS AT CENTER OF STRUCTURE.



PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	STORM SEWER	SHEET 129	E

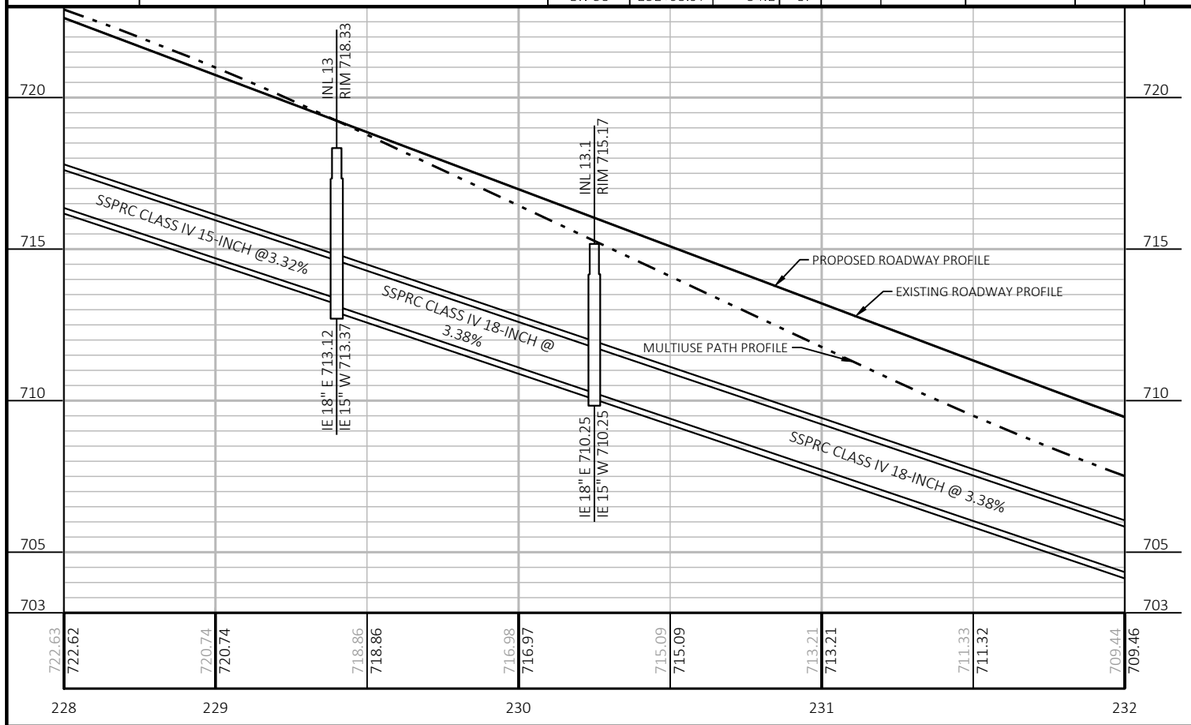


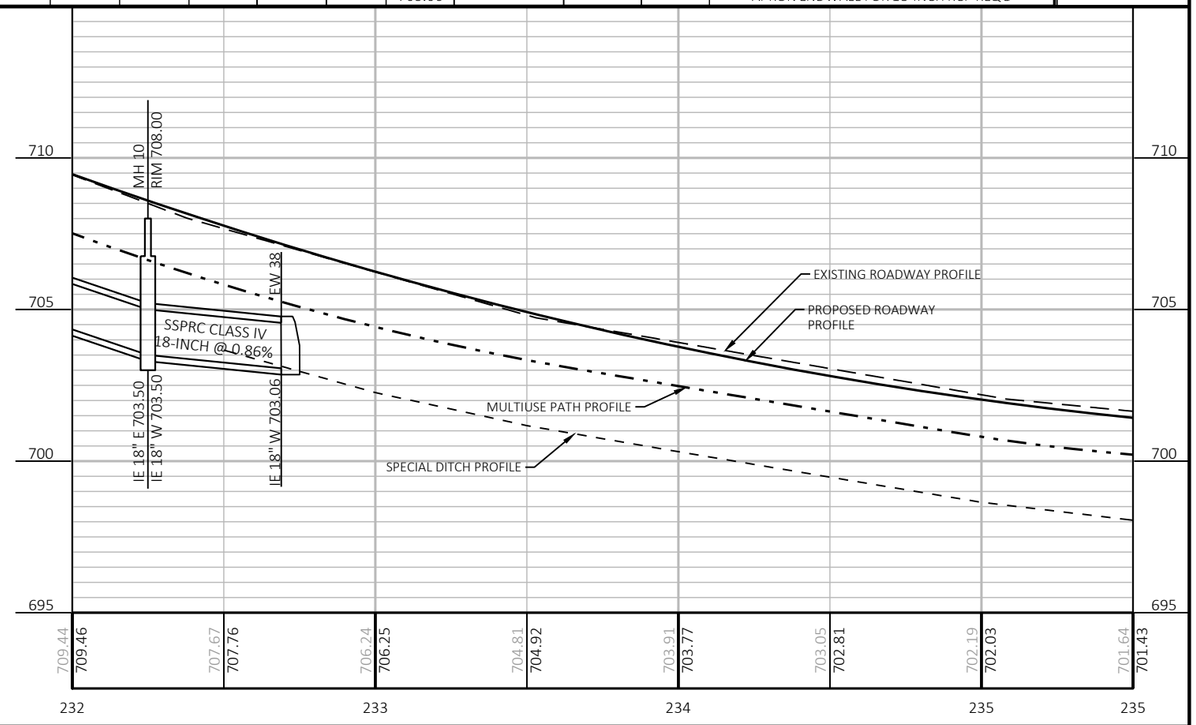
STORM SEWER NOTES:

ENDWALL STATION/OFFSET IS AT CONNECTION WITH PIPE.

STRUCTURE STATION/OFFSET IS AT CENTER OF STRUCTURE.

STRUCT NO.	STATION	OFFSET		C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH 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	229+40.00	37.9	' LT	85.0	INL 13.1	4-FT DIAMETER	HM	-	-	718.33	717.50	4.38	18	713.12	710.25	85	3.38%	FLAT TOP 2'X3' OPENING REQ'D
INL 13.1	230+25.00	35.2	' LT	200.1	MH 10	4-FT DIAMETER	HM	-	-	715.17	714.34	4.09	18	710.25	703.50	200	3.38%	FLAT TOP 2'X3' OPENING REQ'D
MH 10	232+24.98	28.2	' LT	51.1	EW 38	-	-	4-FT DIAMETER	J	708.00	706.75	3.25	18	703.50	703.06	51	0.86%	
EW 38	232+68.97	54.2	' LT	-	-	-	-	-	-	-	-	-	-	703.06	-	-	-	APRON ENDWALL FOR 18-INCH RCP REQ'D





PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	STORM SEWER	SHEET 130	E

STA. 235+79 LT
1 - REMOVING SMALL PIPE CULVERTS
39-FEET, CPCS
1 - CPCS 12-INCH
2 - AECPS 12-INCH REQ'D

SLOPE INTERCEPT (TYP.)

TLE

PRW

EX. EASEMENT

R/W

STA. 239+95 LT
1 - CPRC CLASS IV 12-INCH
2 - AECPRC 12-INCH

EW 39

EW 41

EW 40.1

SPECIAL DITCH LT

626+00

627+00

628+00

629+00

630+00

631+00

632+00

EW 42

MATCHLINE 235+50

MATCHLINE 243+00

236+00

237+00

238+00

239+00

240+00

241+00

242+00

243

STH 100

STA. 239+00, SKEW 25.1° RHF
1 - REMOVING STRUCTURE (60X36-INCH)
2 - CPRC CLASS III 42-INCH
4- AECPRC 42-INCH

EW 40

EW 40.2

WETLAND BOUNDARY (TYP.)

R/W

EX. EASEMENT

EX. EASEMENT

STORM SEWER NOTES:

ENDWALL STATION/OFFSET IS AT CONNECTION WITH PIPE.

STRUCTURE STATION/OFFSET IS AT CENTER OF STRUCTURE.

STRUCT NO.	STATION	OFFSET		C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH 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 39	238+73.44	47.5	'LT	103.2	EW 40	-	-	-	-	-	-	-	42	692.83	690.27	103	2.49%	APRON ENDWALL FOR 42-INCH RCP REQ'D
EW 40	239+17.14	46.0	'RT	-	-	-	-	-	-	-	-	-	-	690.27	-	-	-	APRON ENDWALL FOR 42-INCH RCP REQ'D
EW 40.1	238+81.72	47.5	'LT	103.2	EW 40.2	-	-	-	-	-	-	-	42	692.83	690.27	103	2.49%	APRON ENDWALL FOR 42-INCH RCP REQ'D
EW 40.2	239+25.42	46.0	'RT	-	-	-	-	-	-	-	-	-	-	690.27	-	-	-	APRON ENDWALL FOR 42-INCH RCP REQ'D
EW 41	239+35.97	52.7	'LT	-	-	-	-	-	-	-	-	-	-	695.64	-	-	-	APRON ENDWALL FOR 12-INCH RCP REQ'D
EW 42	240+54.03	42.9	'LT	118.5	EW 41	-	-	-	-	-	-	-	12	696.80	695.64	118	0.98%	APRON ENDWALL FOR 12-INCH RCP REQ'D

EXISTING ROADWAY PROFILE

PROPOSED ROADWAY PROFILE

MULTIUSE PATH PROFILE

SPECIAL DITCH PROFILE (TYP.)

CULVERT PIPE CLASS III 42-INCH @ 2.49%

EW 41

EW 42

CPRC CLASS IV 12-INCH @ 0.98%

IE 12" 695.64

IE 12" 696.80

700

695

690

685

701.64 701.43 701.20 701.02 700.99 700.79 700.78 700.72 700.65 700.67 700.63 700.63 700.61 700.61 700.59 700.59 700.57 700.58 700.56 700.56 700.54 700.54 700.53 700.52 700.45 700.42 700.31 700.32 700.17 700.21 700.02 700.11

235 236 237 238 239 240 241 242 243

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	STORM SEWER	SHEET 131	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022516-ss

PLOT DATE : 7/12/2024 10:27 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

N

SLOPE INTERCEPT (TYP.)

TLE

EX. EASEMENT

633+00 634+00 635+00 R/W 636+00 637+00 638+00 639+00

WETLAND BOUNDARY

SPECIAL DITCH LT

MATCHLINE 243+00

244+00 245+00 246+00 247+00 248+00 249+00

MATCHLINE 249+50

STH 100

STA. 244+30
1 - REMOVING SMALL PIPE CULVERTS
74-FEET, CPRC

EXISTING CULVERT PIPE TO REMAIN

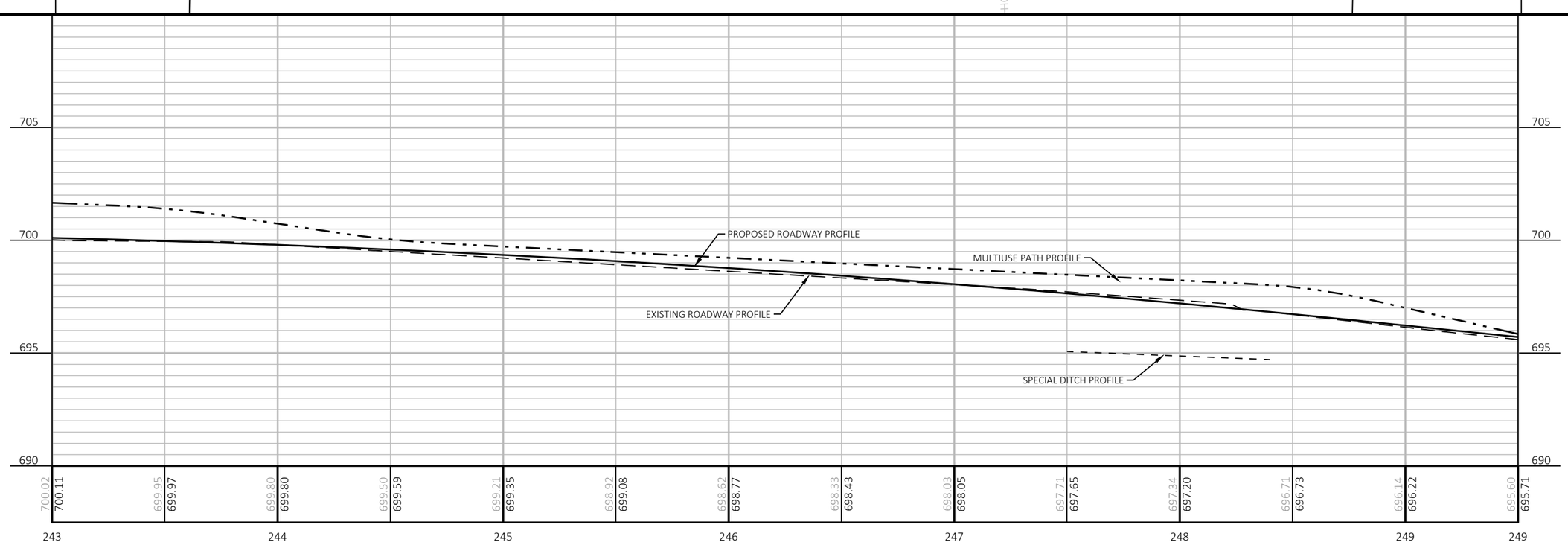
EXISTING CULVERT PIPE TO REMAIN

R/W

STORM SEWER NOTES:

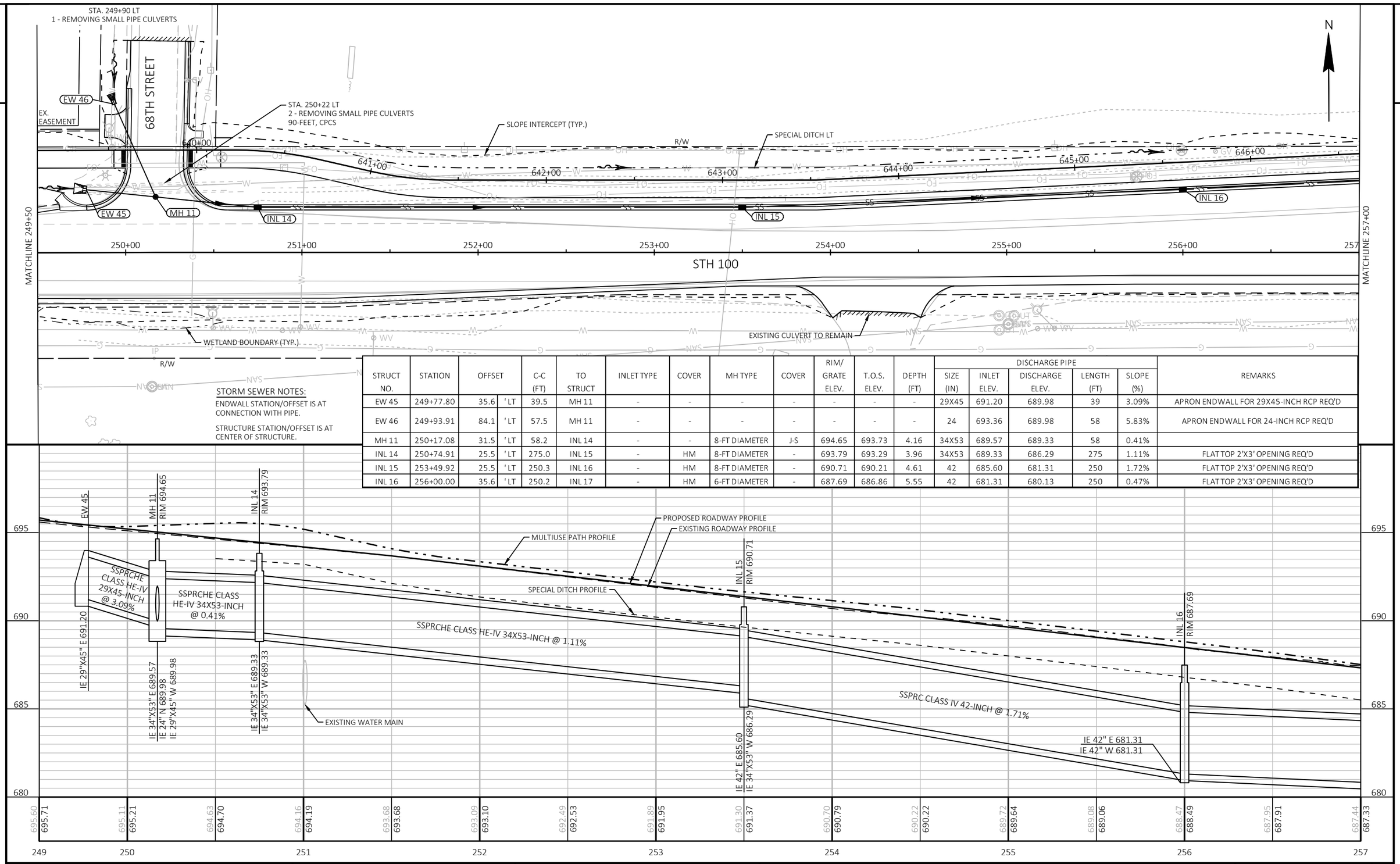
ENDWALL STATION/OFFSET IS AT CONNECTION WITH PIPE.

STRUCTURE STATION/OFFSET IS AT CENTER OF STRUCTURE.



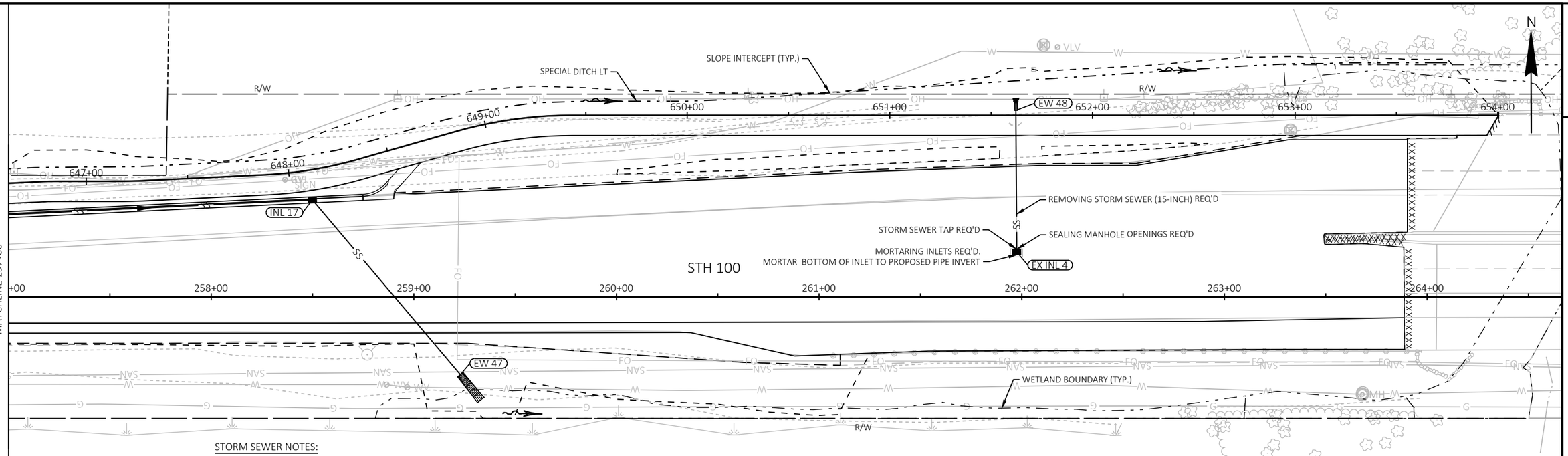
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	STORM SEWER	SHEET 132	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022517-ss
PLOT DATE : 7/12/2024 10:28 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42



STRUCT NO.	STATION	OFFSET		C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH 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 45	249+77.80	35.6	'LT	39.5	MH 11	-	-	-	-	-	-	-	29X45	691.20	689.98	39	3.09%	APRON ENDWALL FOR 29X45-INCH RCP REQ'D
EW 46	249+93.91	84.1	'LT	57.5	MH 11	-	-	-	-	-	-	-	24	693.36	689.98	58	5.83%	APRON ENDWALL FOR 24-INCH RCP REQ'D
MH 11	250+17.08	31.5	'LT	58.2	INL 14	-	-	8-FT DIAMETER	J-S	694.65	693.73	4.16	34X53	689.57	689.33	58	0.41%	
INL 14	250+74.91	25.5	'LT	275.0	INL 15	-	HM	8-FT DIAMETER	-	693.79	693.29	3.96	34X53	689.33	686.29	275	1.11%	FLAT TOP 2'X3' OPENING REQ'D
INL 15	253+49.92	25.5	'LT	250.3	INL 16	-	HM	8-FT DIAMETER	-	690.71	690.21	4.61	42	685.60	681.31	250	1.72%	FLAT TOP 2'X3' OPENING REQ'D
INL 16	256+00.00	35.6	'LT	250.2	INL 17	-	HM	6-FT DIAMETER	-	687.69	686.86	5.55	42	681.31	680.13	250	0.47%	FLAT TOP 2'X3' OPENING REQ'D

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	STORM SEWER	SHEET 133	E

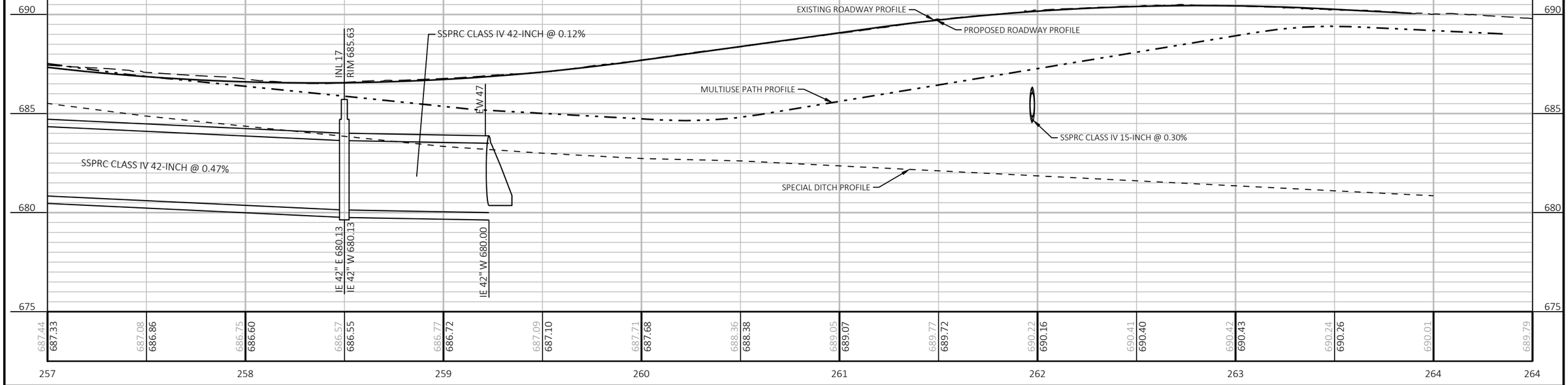


STORM SEWER NOTES:

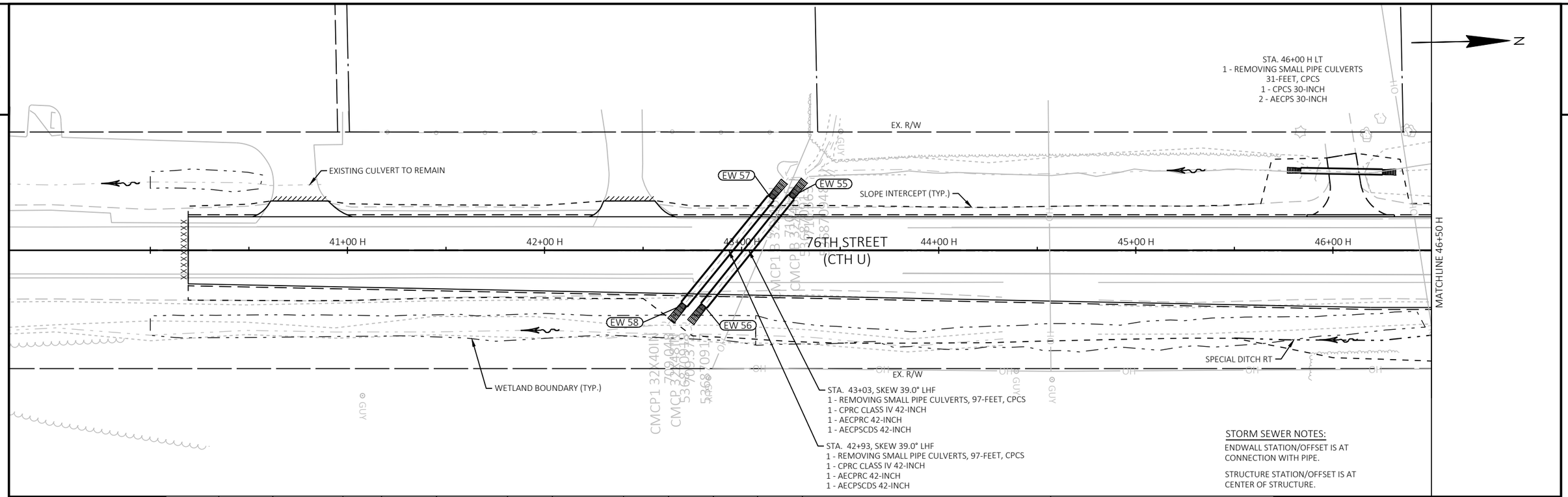
ENDWALL STATION/OFFSET IS AT CONNECTION WITH PIPE.

STRUCTURE STATION/OFFSET IS AT CENTER OF STRUCTURE.

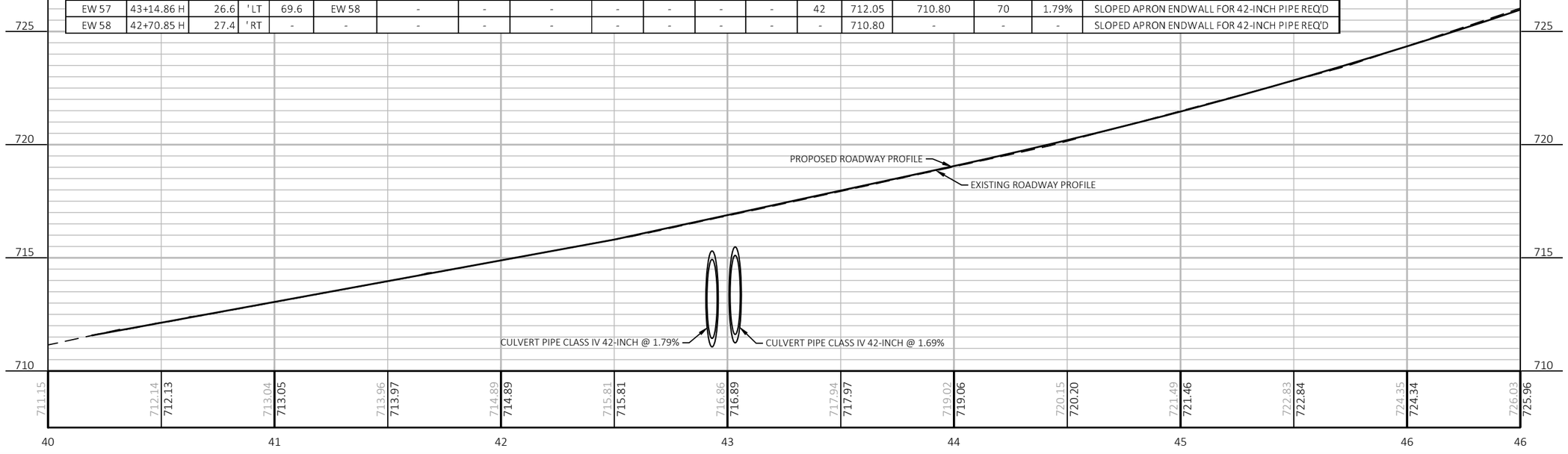
STRUCT NO.	STATION	OFFSET		C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
INL 17	258+49.93	47.8	'LT	113.1	EW 47	-	HM	6-FT DIAMETER	-	685.63	685.30	5.17	42	680.13	680.00	113	0.12%	FLAT TOP 2'X3' OPENING REQ'D
EW 47	259+22.97'	38.5	'RT	-	-	-	-	-	-	-	-	-	-	680.00	-	-	-	SLOPED APRON ENDWALL FOR 42-INCH PIPE REQ'D
EX INL 4	261+97.53	22.0	'LT	69.9	EW 48	-	-	-	-	689.15	-	-	15	684.92	684.71	70	0.30%	ADJUSTING INLET COVERS REQ'D
EW 48	261+97.10	91.9	'LT	-	-	-	-	-	-	-	-	-	-	684.71	-	-	-	APRON ENDWALL FOR 15-INCH RCP REQ'D



PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	STORM SEWER	SHEET 134	E

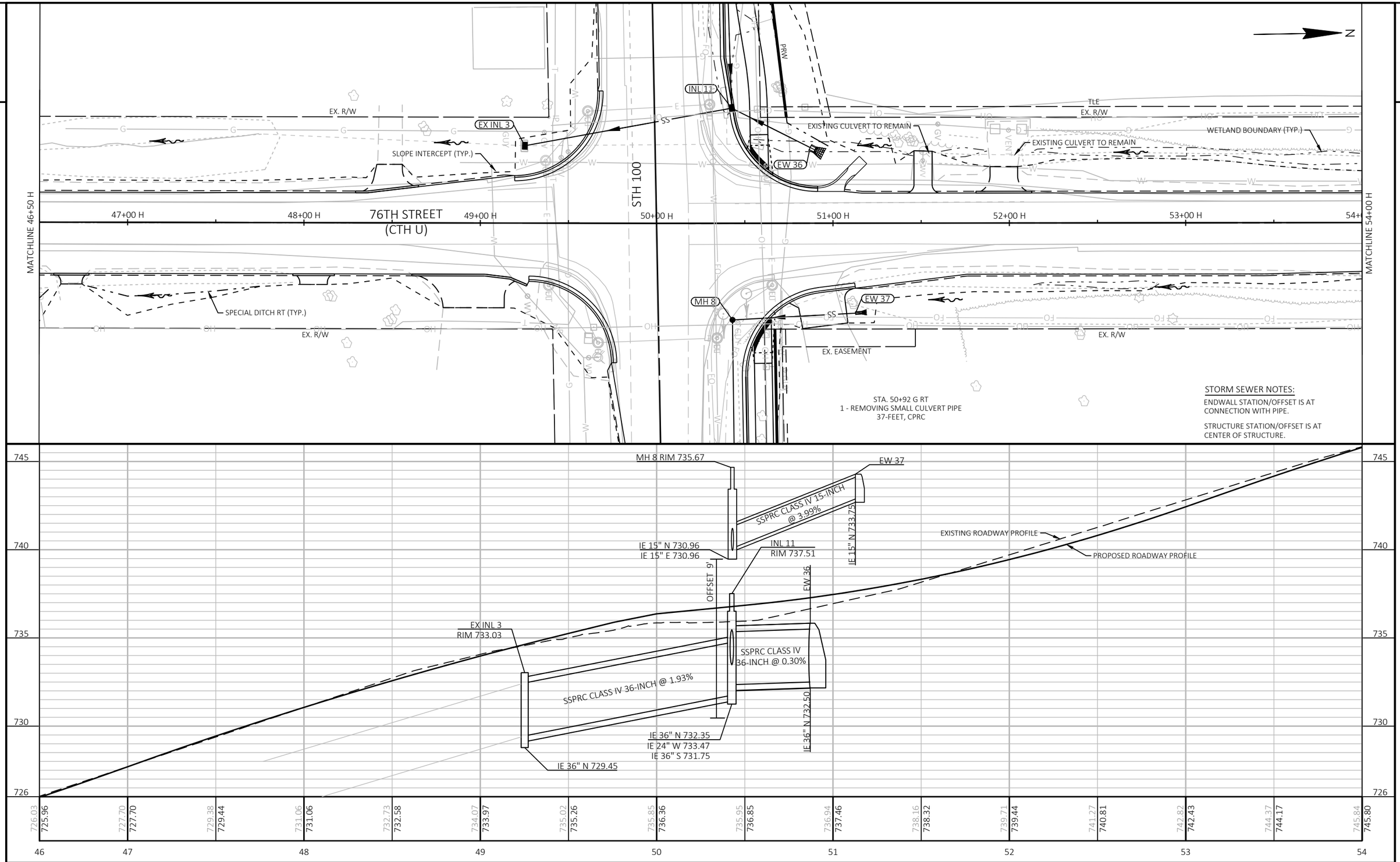


STRUCT NO.	STATION	OFFSET		C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
EW 55	43+25.08 H	27.0	'LT	70.6	EW 56	-	-	-	-	-	-	-	42	712.20	711.00	71	1.69%	SLOPED APRON ENDWALL FOR 42-INCH PIPE REQ'D
EW 56	42+80.84 H	28.1	'RT	-	-	-	-	-	-	-	-	-	-	711.00	-	-	-	SLOPED APRON ENDWALL FOR 42-INCH PIPE REQ'D
EW 57	43+14.86 H	26.6	'LT	69.6	EW 58	-	-	-	-	-	-	-	42	712.05	710.80	70	1.79%	SLOPED APRON ENDWALL FOR 42-INCH PIPE REQ'D
EW 58	42+70.85 H	27.4	'RT	-	-	-	-	-	-	-	-	-	-	710.80	-	-	-	SLOPED APRON ENDWALL FOR 42-INCH PIPE REQ'D



PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	STORM SEWER	SHEET 135	E

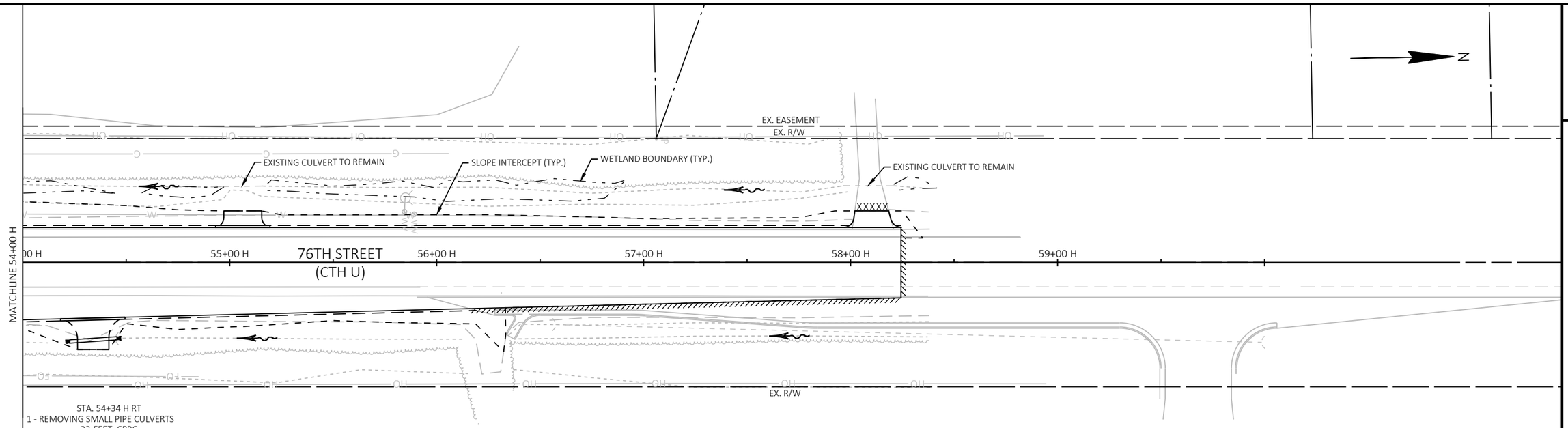
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	STORM SEWER	SHEET 136	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\022502-SS.DWG
LAYOUT NAME - 022521-ss
PLOT DATE : 7/12/2024 10:32 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

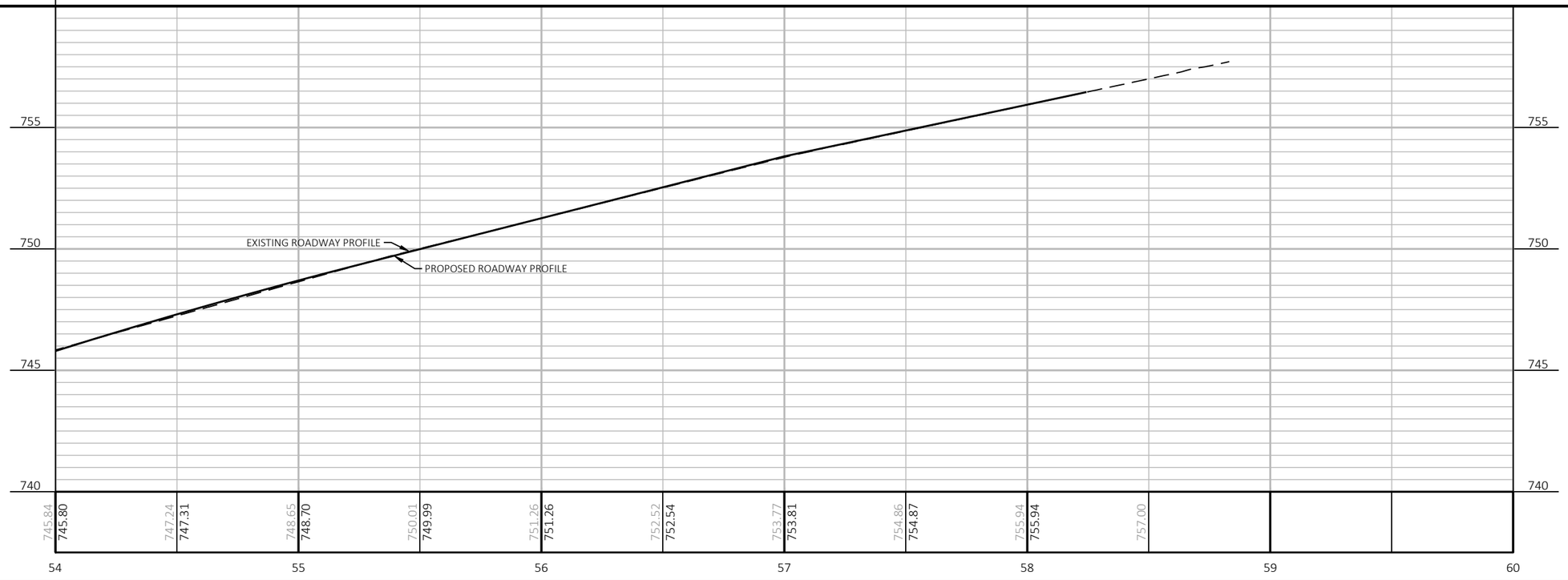


STA. 54+34 H RT
1 - REMOVING SMALL PIPE CULVERTS
23-FEET, CPRC
1 - CPCS 15-INCH
2 - AECPS 15-INCH

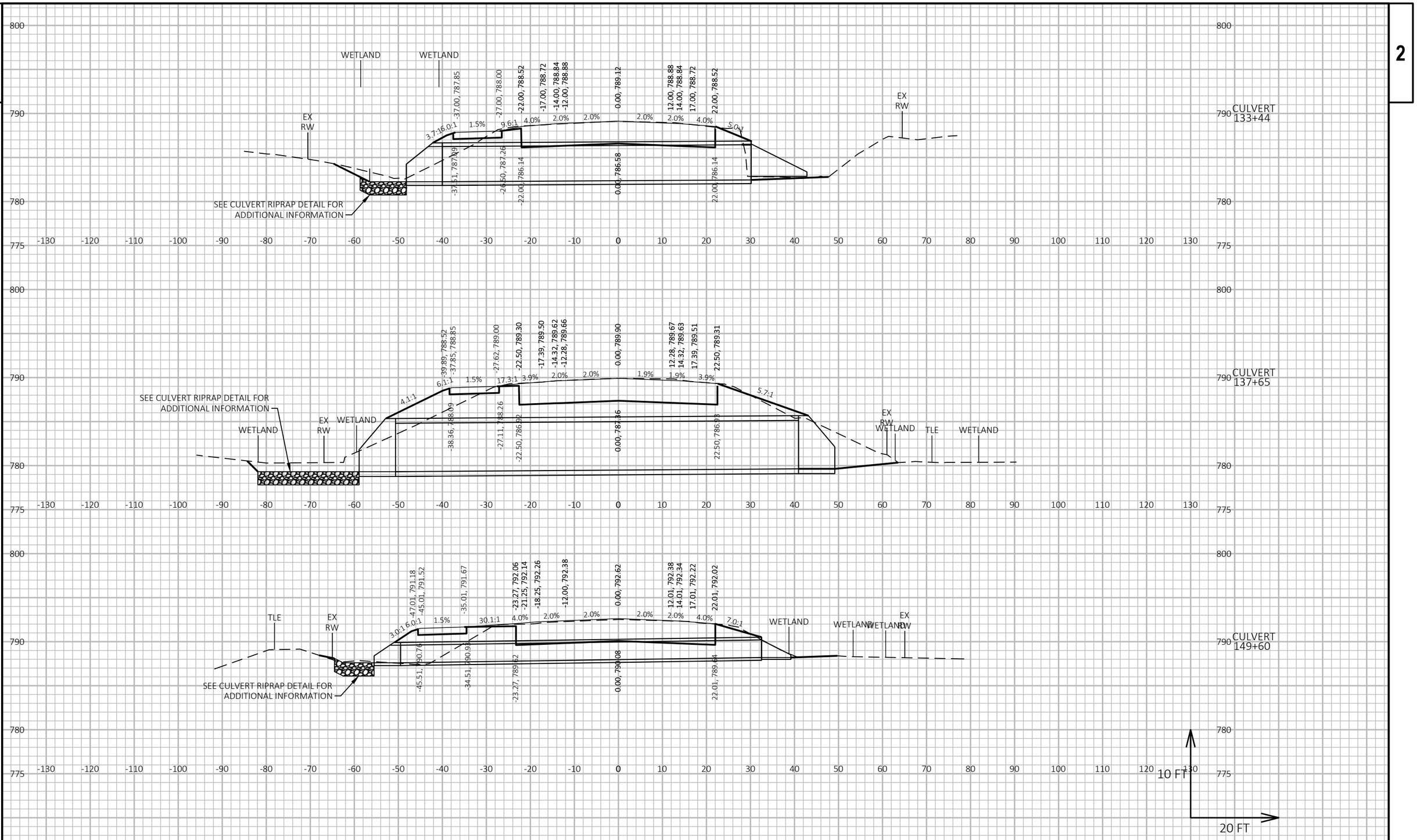
STORM SEWER NOTES:

ENDWALL STATION/OFFSET IS AT CONNECTION WITH PIPE.

STRUCTURE STATION/OFFSET IS AT CENTER OF STRUCTURE.



PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	STORM SEWER	SHEET 137	E

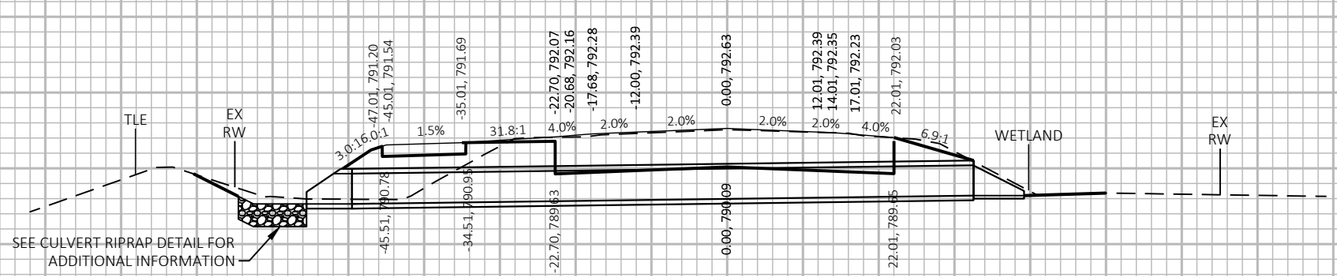


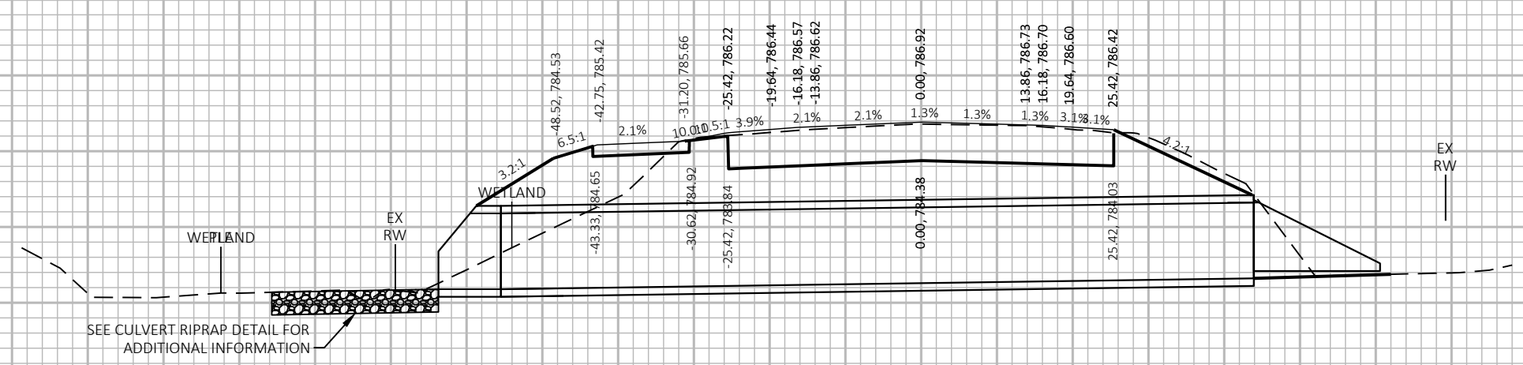
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	STORM SEWER	SHEET 138	E

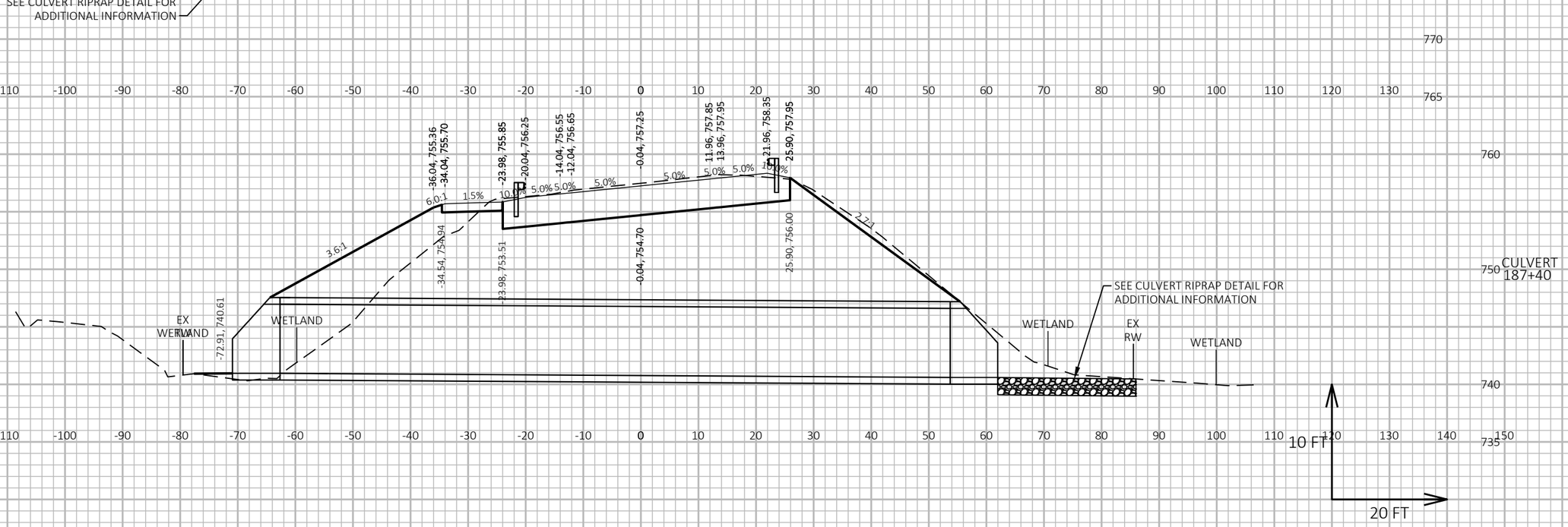
FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\022503-SS.DWG
LAYOUT NAME - 022523-ss

PLOT DATE : 9/23/2024 1:33 PM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

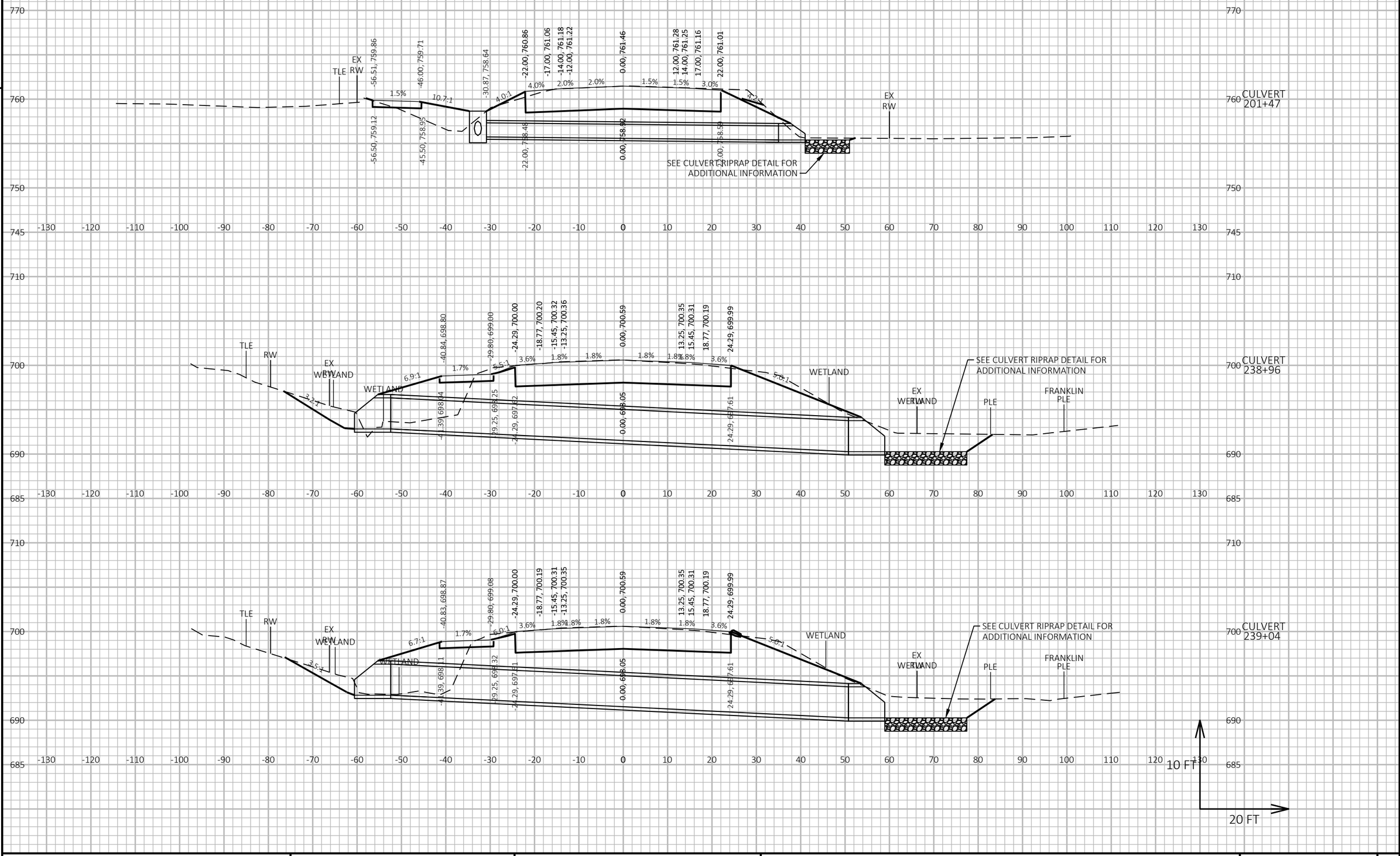
WISDOT/CADDS SHEET 42







PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	STORM SEWER	SHEET 139	E

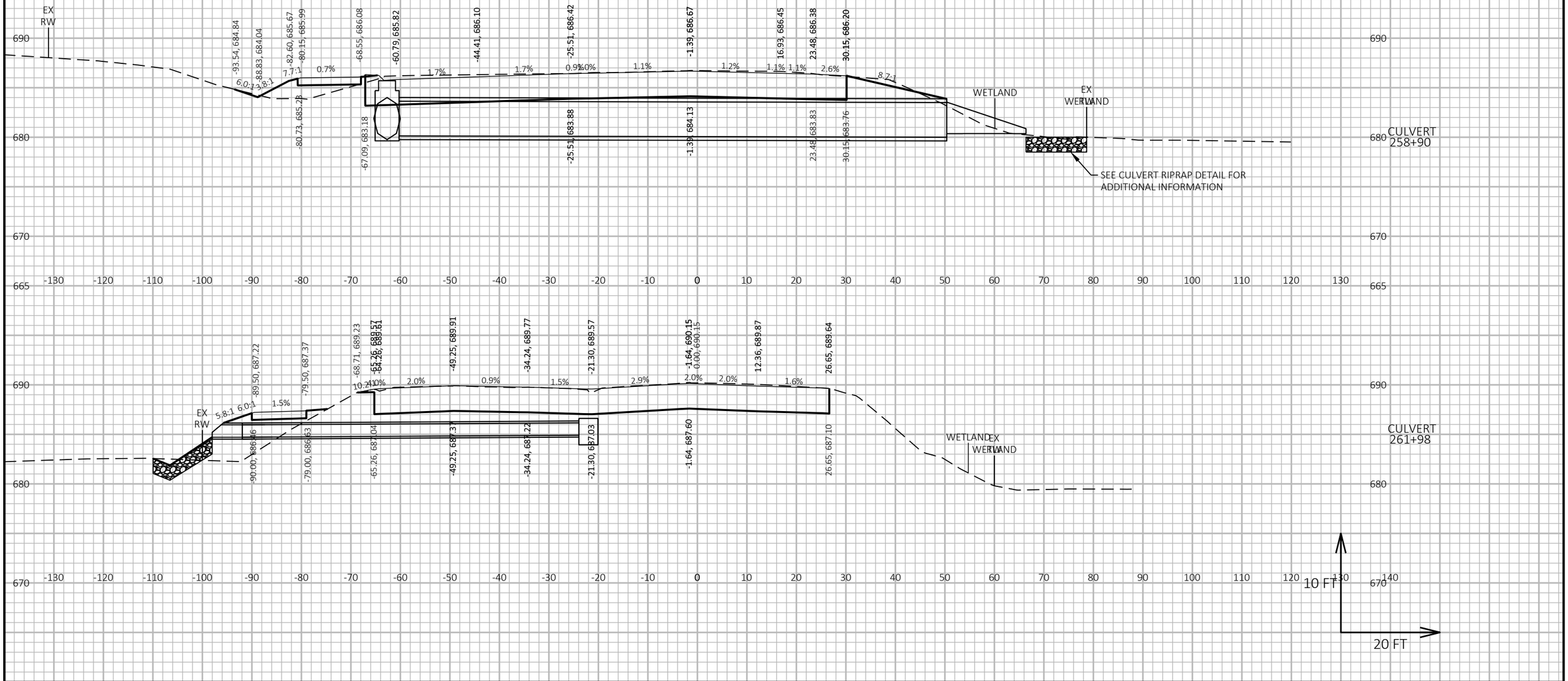


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	STORM SEWER	SHEET 140	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\022503-SS.DWG
LAYOUT NAME - 022525-ss

PLOT DATE : 9/23/2024 1:33 PM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

2



PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	STORM SEWER	SHEET 141	E

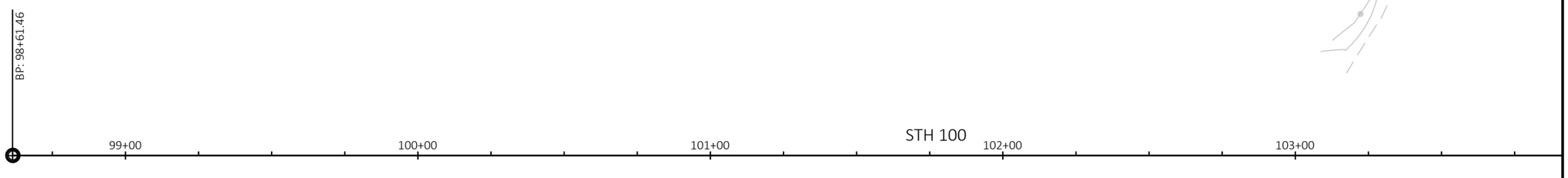
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LAYOUT NAME - 022526-ss
PLOT DATE : 9/23/2024 1:33 PM
PLOT BY : WRIGHT, BRANDON
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE

NO SIGNS IMPACTED THIS SHEET



SIGNING NOTES

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

SIGNING COORDINATOR	COUNTY(S)	PHONE #
• BREE JOHNS-KONKEL	MILWAUKEE, RACINE, WASHINGTON, OZAUKEE	414-266-1171
• CHUCK SALDIVAR	KENOSHA, WALWORTH, WAUKESHA	414-750-1682

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

WHEN AN EXISTING STOP SIGN SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED, THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A NEW SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.

WOOD POSTS SIZES, FOR TYPE II SIGNS ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

STREET NAME SIGNS ARE PROPERTY OF THE MUNICIPALITY (CITY, VILLAGE OR TOWN). THE MUNICIPALITY SHALL BE CONTACTED TO REMOVE THEIR STREET NAME SIGNS PRIOR TO CONSTRUCTION AND IT IS THEIR RESPONSIBILITY TO REINSTALL THE OLD SIGNS OR REPLACE THEM FOLLOWING CONSTRUCTION. WISDOT DOES NOT FURNISH OR INSTALL STREET NAME SIGNS. THE STREET NAME SIGNS SHALL NOT BE PLACED ON TOP OF THE STOP SIGNS.

LOCATE NO PASSING PENNANTS BASED ON ESTABLISHING NO PASSING ZONES PAY ITEM. PLACE SIGNS BASED ON WHERE THE PAVEMENT MARKING FOR NO PASSING ZONES BEGIN

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

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 142	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 01
PLOT DATE : 7/9/2024 11:25 AM
PLOT BY : MARTENS, KAREN L
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE

N

STH 100

103+00 104+00 105+00 106+00 107+00 108+00

STH 100

DO NOT ENTER
REMOVE

5 DO NOT ENTER R5-1 (3)

1 R4-7 (3)
REMOVE

ONE WAY R6-2R ESTR

3 St Martins Rd D1-1
St Martins Rd
REMOVE

ONE WAY R6-2R ESTR

11 JCT 36 M2-1 M1-6 J1-1 (3)
REMOVAL ON SHEET 3 STA 111+75

4 BEGIN RIGHT TURN LANE R3-20R (3)

SHEET 2 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 143	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 02

PLOT DATE : 7/9/2024 11:26 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE

N

USH 45/STH 100

PC: 109+08.30

109+00

110+00

111+00

112+00

113+00

114+00

USH 45/STH 100

CTH MM
(W ST MARTINS RD)

W6-2
ESTR

20
W4-2R(3)

W4-2R
ESTR

ONE WAY
R6-2L(3)
18

19
R4-7(3)

REMOVE

17
R4-7(3)

Loomis Rd
NEXT SIGNAL
D1-65
14

RIGHT LANE ENDS
W9-1R
ESTR

RIGHT LANE ENDS
72
W9-1R(3)

W5-52R
ESTR

STOP
REMOVE

6
STOP
R1-1(3)

9
10
W3-3(3)

REMOVE

STOP
8
R1-1(3)

STOP
REMOVE

RIGHT LANE MUST TURN RIGHT
12
R3-7R(3)

JCT
36
11
REMOVE

Loomis Rd
NEXT SIGNAL
D1-65
13

Loomis Rd
REMOVE

15
BEGIN LEFT TURN LANE
R3-20L(3)

LEFT TURN LANE
REMOVE

16
M3-3 SOUTH SOUTH M3-3
M1-4 45 36 M1-6
M5-1R M5-1R
J2-2(3)

SOUTH SOUTH
45 36
REMOVE

SHEET 3 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 144	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 03

PLOT DATE : 7/9/2024 11:26 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE

SEE SHEET 35 OF 41

SEE SHEET 34 OF 41

SHEET 4 OF 41

USH 45/STH 100

STH 100

STH 36 (LOOMIS RD)

USH 45/STH 36 (LOOMIS RD)

22STH 36+00

21STH 36+00

20STH 36+00

PT: 115+24.23

PI: 118+57.27

PT: 18+49.68

115+00 116+00 117+00 118+00 119+00 120+00

50'

1 St Martins Rd REMOVE D1-2

2 ONE WAY R6-2R ESTR

3 SPEED LIMIT 45 R2-1 ESTR

4 ASSIST 4 HIGHWAY I55-56; SUMITOMO ELECTRIC CARBITE I55-56P ESTR

5 STOP REMOVE; STOP R1-1F(3) 28

6 Loomis Rd M1-94S ON SIGNAL ARM 67

7 NORTH 45 100 REMOVE; NORTH 45 100 JV4-1(3) 68

8 DO NOT ENTER REMOVE; DO NOT ENTER R5-1(3) ON S.P. 65

9 ONE WAY R6-2L(2M) ON S.P. 69

10 STOP REMOVE; STOP R1-1F(3) ON S.P. 63 64

11 St Martins Rd M1-94S ON SIGNAL ARM 60

12 SOUTH 100 REMOVE; SOUTH 100 J3-1 296

13 STOP REMOVE; STOP R1-1F(3) 59

14 ONE WAY R6-2L(2M) ON S.P. 55

15 NORTH 36 REMOVE; NORTH 36 J4-1(3) ON S.P. 54

16 STOP R1-1 18"x18" ON PATH 62

17 NORTH 45 100 36 J3-3(3) 61

18 NORTH 45 100 36 REMOVE

19 NO PARKING ANY TIME REMOVE; NO PARKING ANY TIME R7-1D(2M) 97A

20 DO NOT ENTER REMOVE; DO NOT ENTER R5-1(3) ON S.P. 58

21 LEFT TURN YIELD ON FLASHING YELLOW ARROW REMOVE 66

22 R4-7(3) REMOVE 57

23 DO NOT ENTER REMOVE; DO NOT ENTER R5-1(3) ON S.P. 53

24 LEFT TURN YIELD ON FLASHING YELLOW ARROW REMOVE 50

25 STOP R1-1F(3) ON S.P. 51 52

26 STOP REMOVE 32

27 R4-7(3) REMOVE

28 DO NOT ENTER R5-1(3) ON S.P. 30 31

29 DO NOT ENTER REMOVE; DO NOT ENTER R5-1(3) ON S.P. 49

30 R4-7(3) 56

31 DO NOT ENTER REMOVE; DO NOT ENTER R5-1(3) ON S.P. 33

32 LEFT TURN YIELD ON FLASHING YELLOW ARROW REMOVE 42

33 R4-7(3) REMOVE

34 RIGHT LANE ENDS W9-1R(3) ON S.P. 43

35 SOUTH 45 36 JV3-1(2S); SOUTH 45 36 REMOVE 47

36 ONE WAY R6-2L(2M) ON S.P. 40

37 STOP R1-1F(3) ON S.P. 48

38 SOUTH 100 J4-1(3) REMOVE; SOUTH 100 REMOVE 37

39 UP HIGH ON S.P.

40 STOP R1-1F(3) ON S.P. 38 39

41 R4-7(3) ONLY 36

42 STOP REMOVE

43 Loomis Rd M1-94S ON SIGNAL ARM 44

44 W St Martins Rd M1-94S ON SIGNAL ARM 41

45 W St Martins Rd REMOVE

46 ONE WAY R6-2L(2M) 46

47 STOP R1-1F(3) REMOVE 295

48 STOP REMOVE

49 NORTH 36 J2-1(3) 25

50 RIGHT LANE MUST TURN RIGHT R3-7R(3) 21

51 RIGHT LANE MUST TURN RIGHT REMOVE

52 NORTH 36 REMOVE

53 Burlington D1-1(3) 22

54 Burlington REMOVE

55 BEGIN LEFT TURN LANE R3-20LL(2S) 23

56 LEFT TURN LANE REMOVE

57 ONE WAY R6-2R(2S) 24

58 ONE WAY REMOVE

59 NORTH 36 45 100 J3-2(3) 26

60 NORTH 36 45 100 REMOVE

61 HIGH UP ON S.P.

62 W12-1D(2S) 2' MOUNT HEIGHT 27

63 REMOVE

64 STOP R1-1F(3) ON S.P. 34

65 STOP REMOVE

66 YIELD R1-2(3) 35

67 YIELD REMOVE

68 SOUTH 45 36 JV3-1(2S) 45

69 SOUTH 45 36 REMOVE

70 W St Martins Rd M1-94S ON SIGNAL ARM

71 W St Martins Rd REMOVE

72 PT: 18+49.68 REMOVE

73 SEE SHEET 34 OF 41

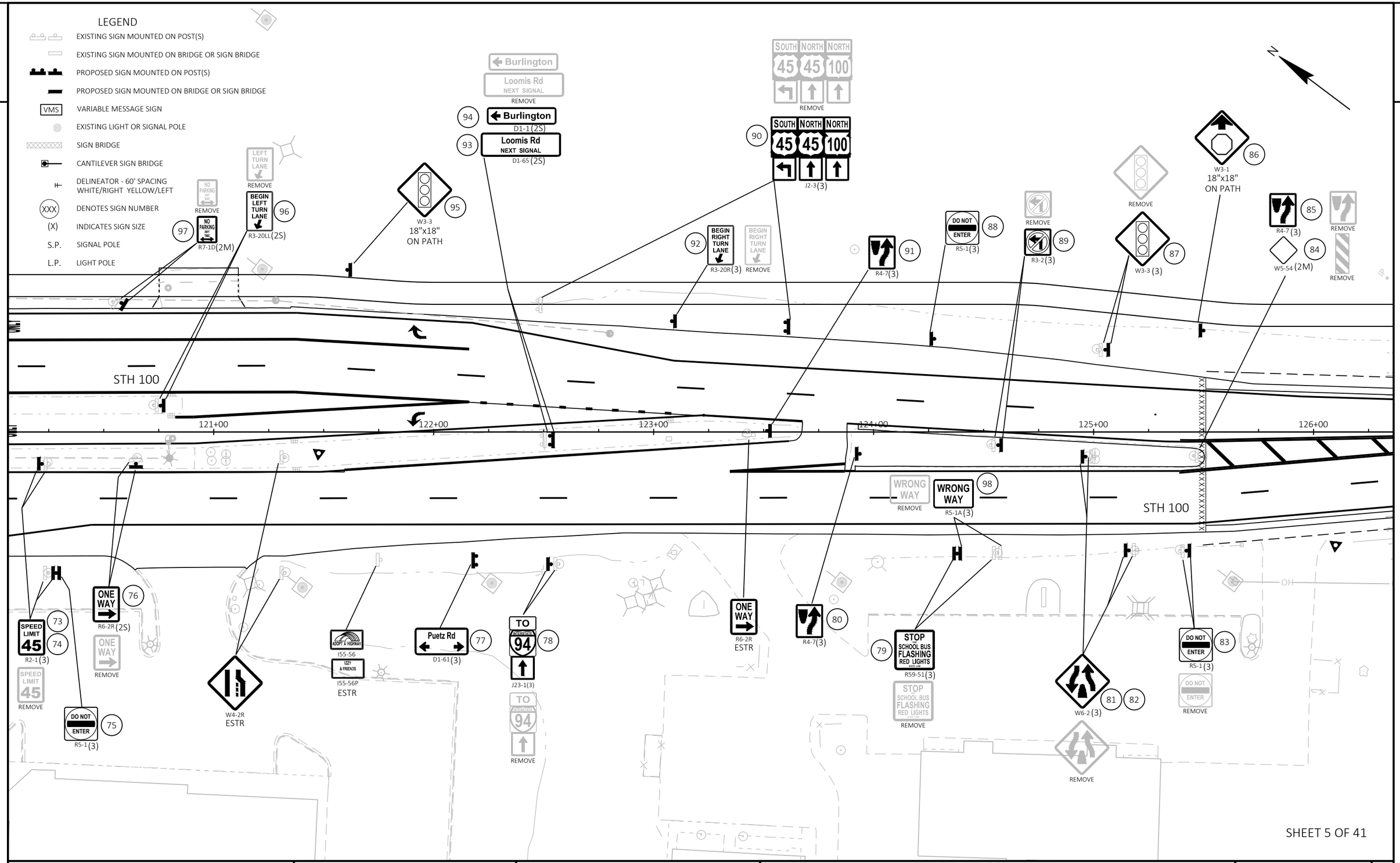
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 145 E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 04
PLOT DATE : 7/9/2024 11:26 AM
PLOT BY : MARTENS, KAREN L
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE



PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 146	E

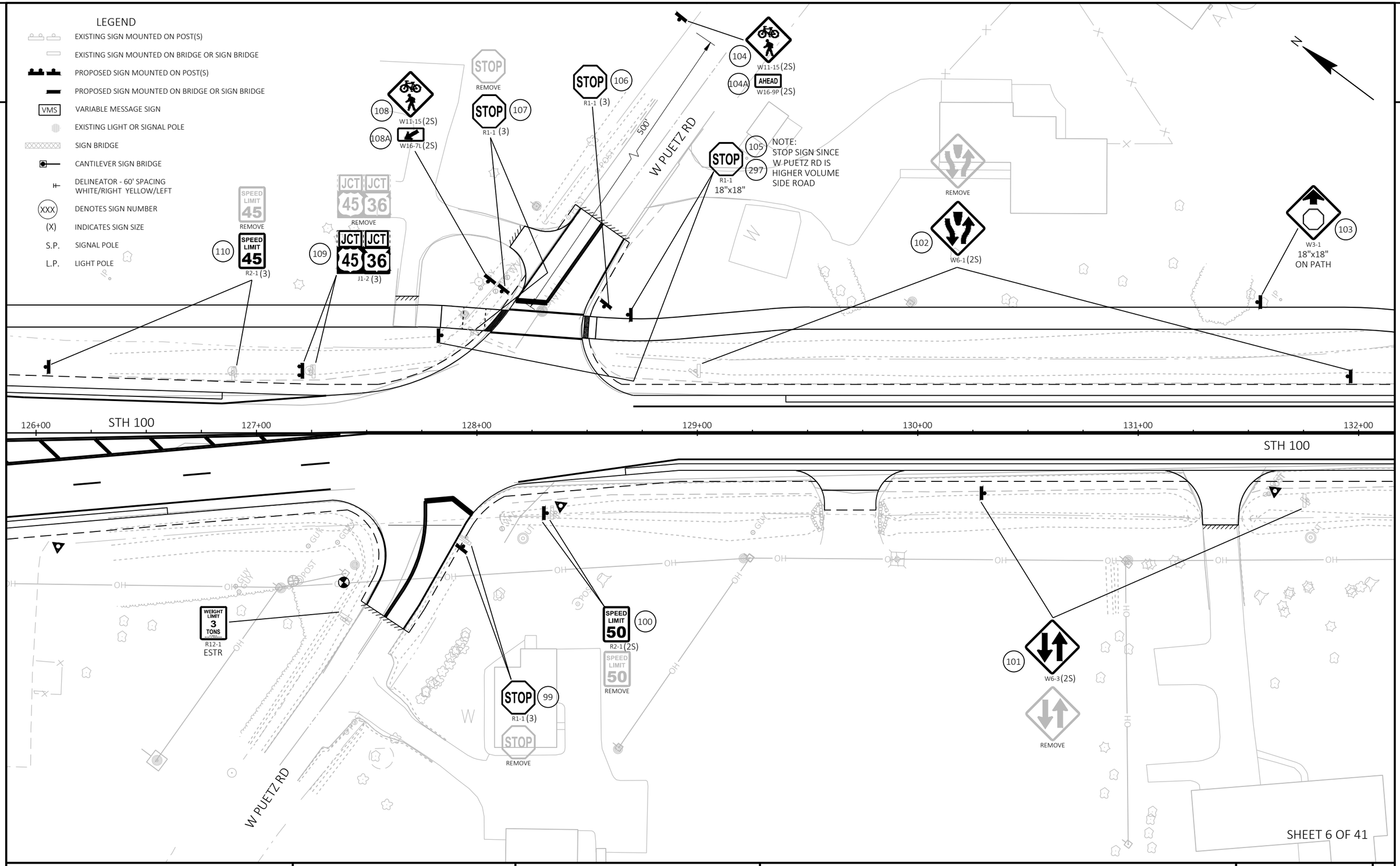
FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 05

PLOT DATE : 7/9/2024 11:26 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE



SHEET 6 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 147	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 06

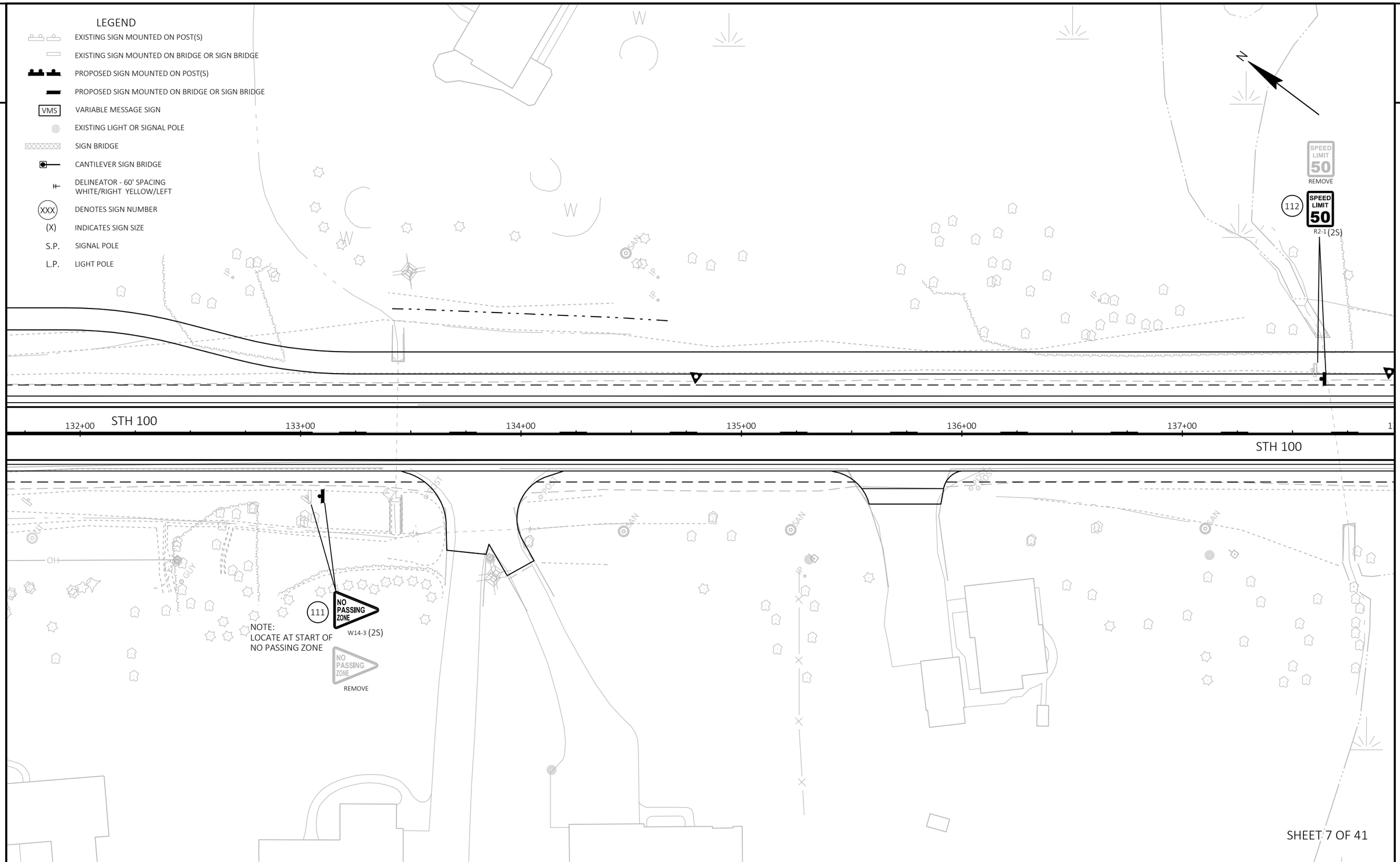
PLOT DATE : 7/9/2024 11:26 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE



2

SHEET 7 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 148	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 07

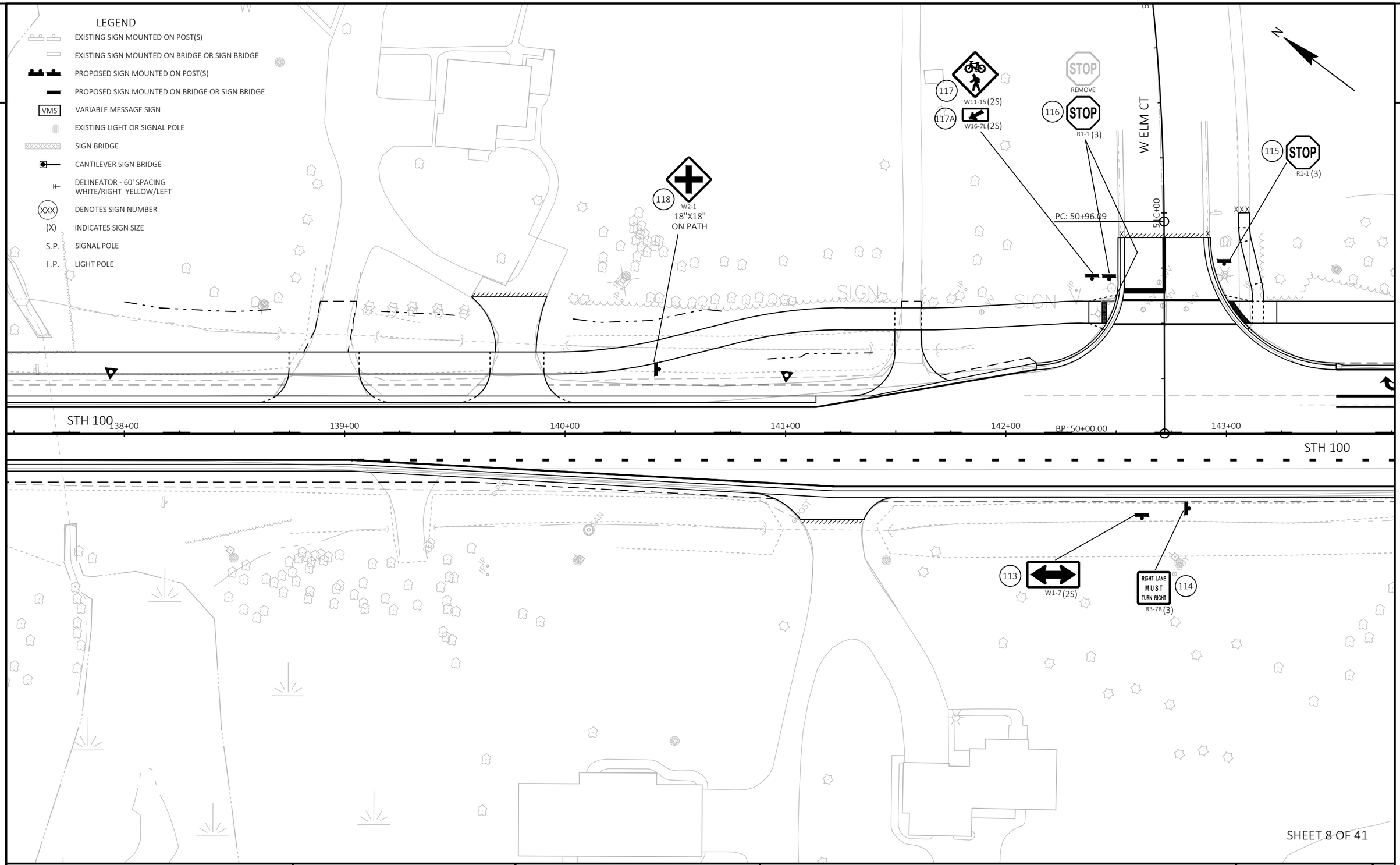
PLOT DATE : 7/9/2024 11:27 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE



SHEET 8 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 149	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 08

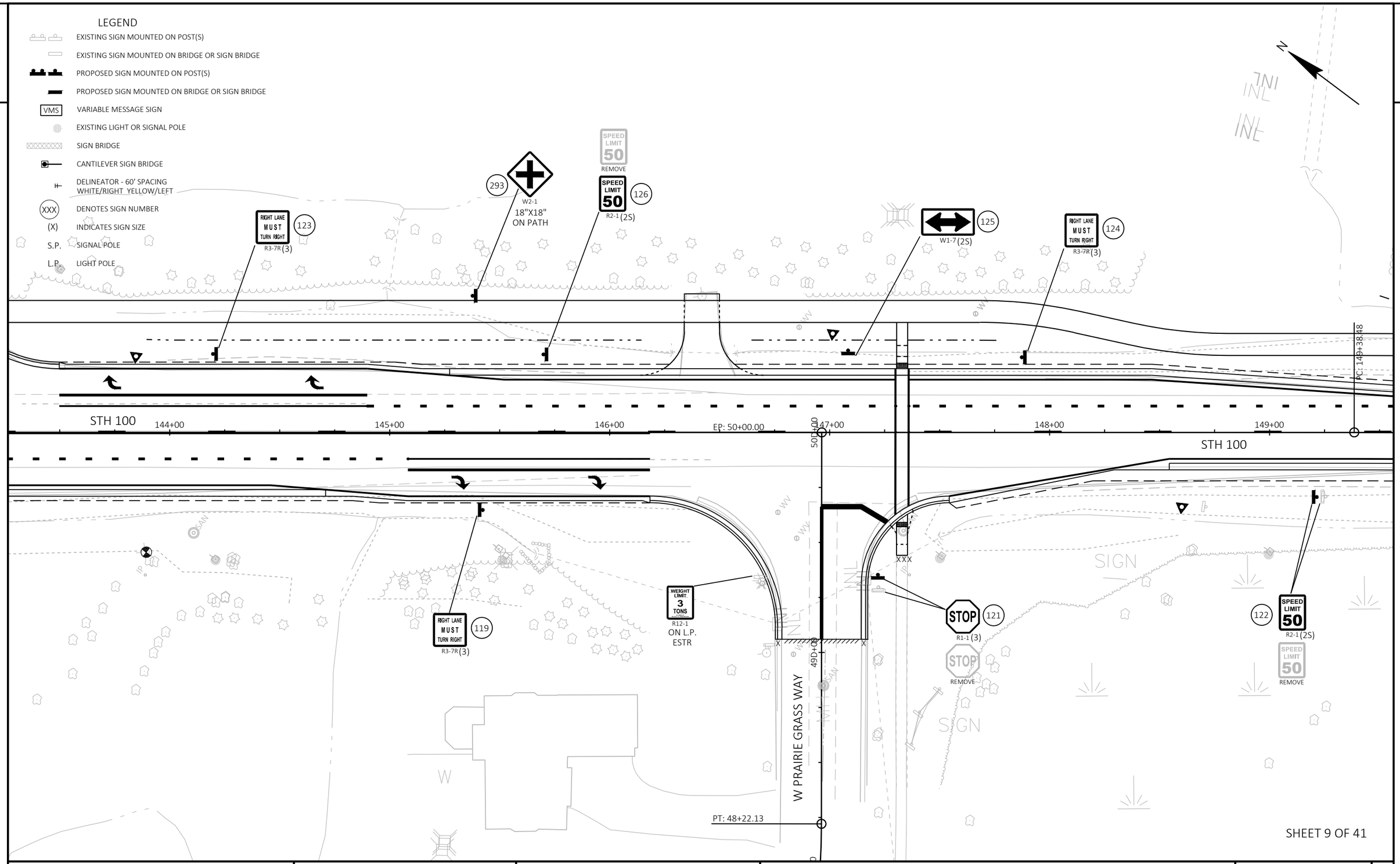
PLOT DATE : 7/9/2024 11:27 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE



SHEET 9 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 150	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 09

PLOT DATE : 7/9/2024 11:27 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

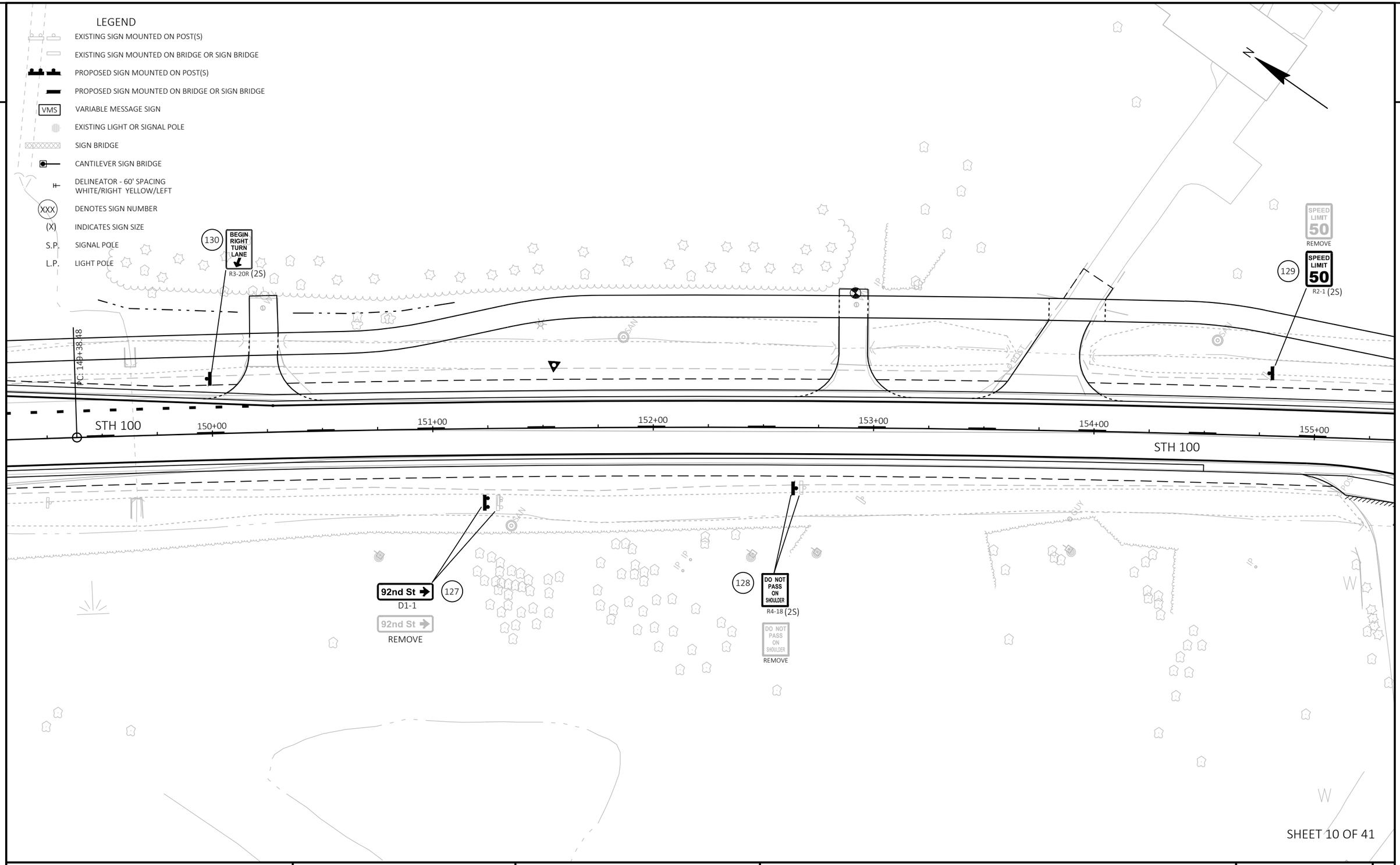
WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE



SHEET 10 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 151	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 10

PLOT DATE : 7/9/2024 11:27 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE

FACING ANGLE TOWARDS 92ND ST

135 W1-7 (2S)

NO PASSING ZONE

REMOVE

NO PASSING ZONE W14-3 (2S) 134

NOTE:
LOCATE AT START OF NO PASSING ZONE

STH 100

155+00 156+00 157+00 158+00 159+00 160+00 161+00

STH 100

EP: 50+00.00

49E+00

48E+00

47E+00

S 92ND ST

131 STOP R1-1 (3)

STOP REMOVE

133 SPEED LIMIT 50 R2-1 (2S)

SPEED LIMIT 50 REMOVE

132 W3-1(2S)

STOP AHEAD REMOVE

SIGN

POOL

FOOTBRIDGE

SHEET 11 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 152	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 11

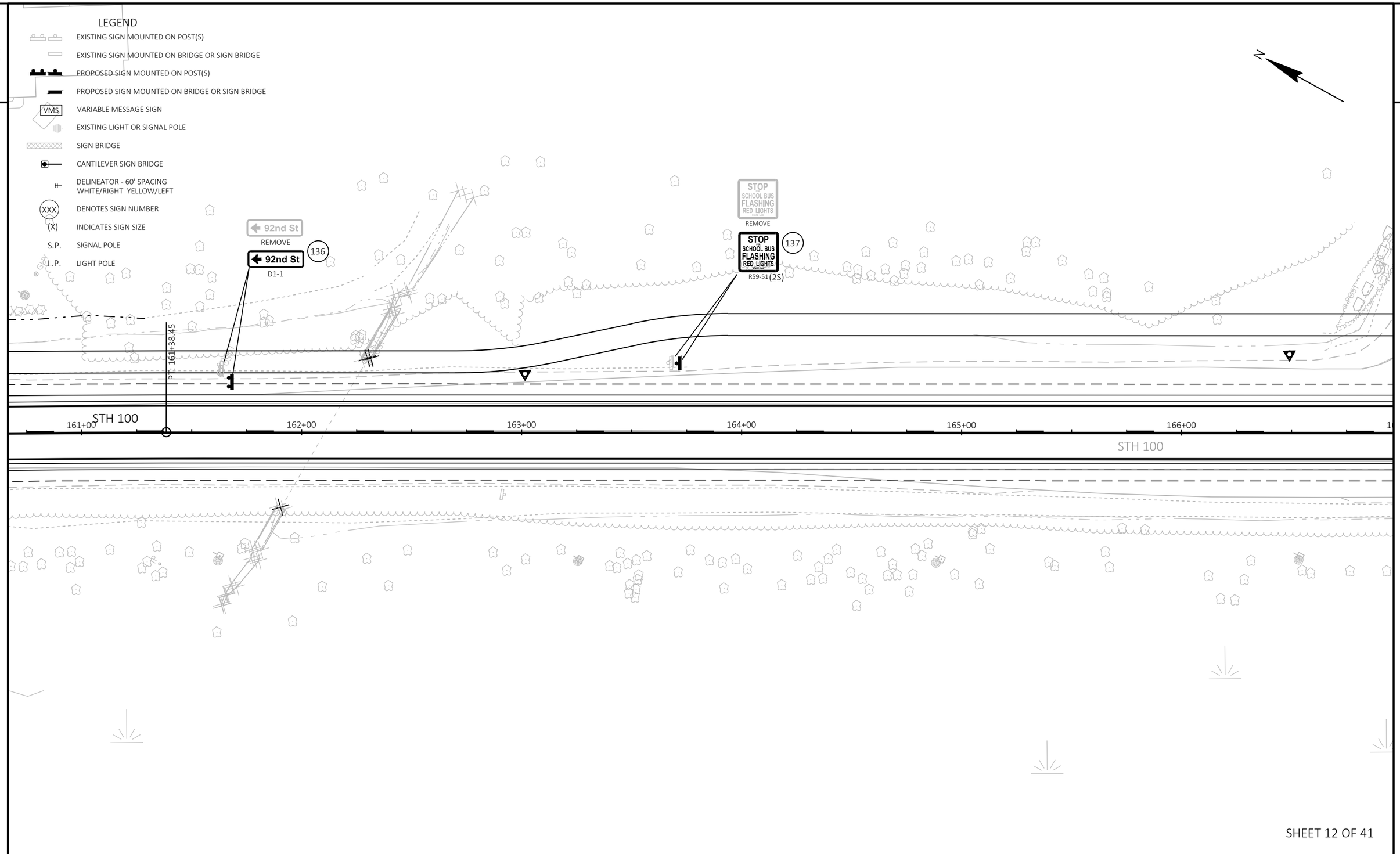
PLOT DATE : 7/9/2024 11:28 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE



2

SHEET 12 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 153	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 12

PLOT DATE : 7/9/2024 11:28 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE

N

SPEED LIMIT 50 REMOVE

139 SPEED LIMIT 50 R2-1 (2S)

STH 100

167+00 168+00 169+00 170+00 171+00 172+00

STH 100

138 W1-2L (2S)

REMOVE

SHEET 13 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 154	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 13

PLOT DATE : 7/9/2024 11:28 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

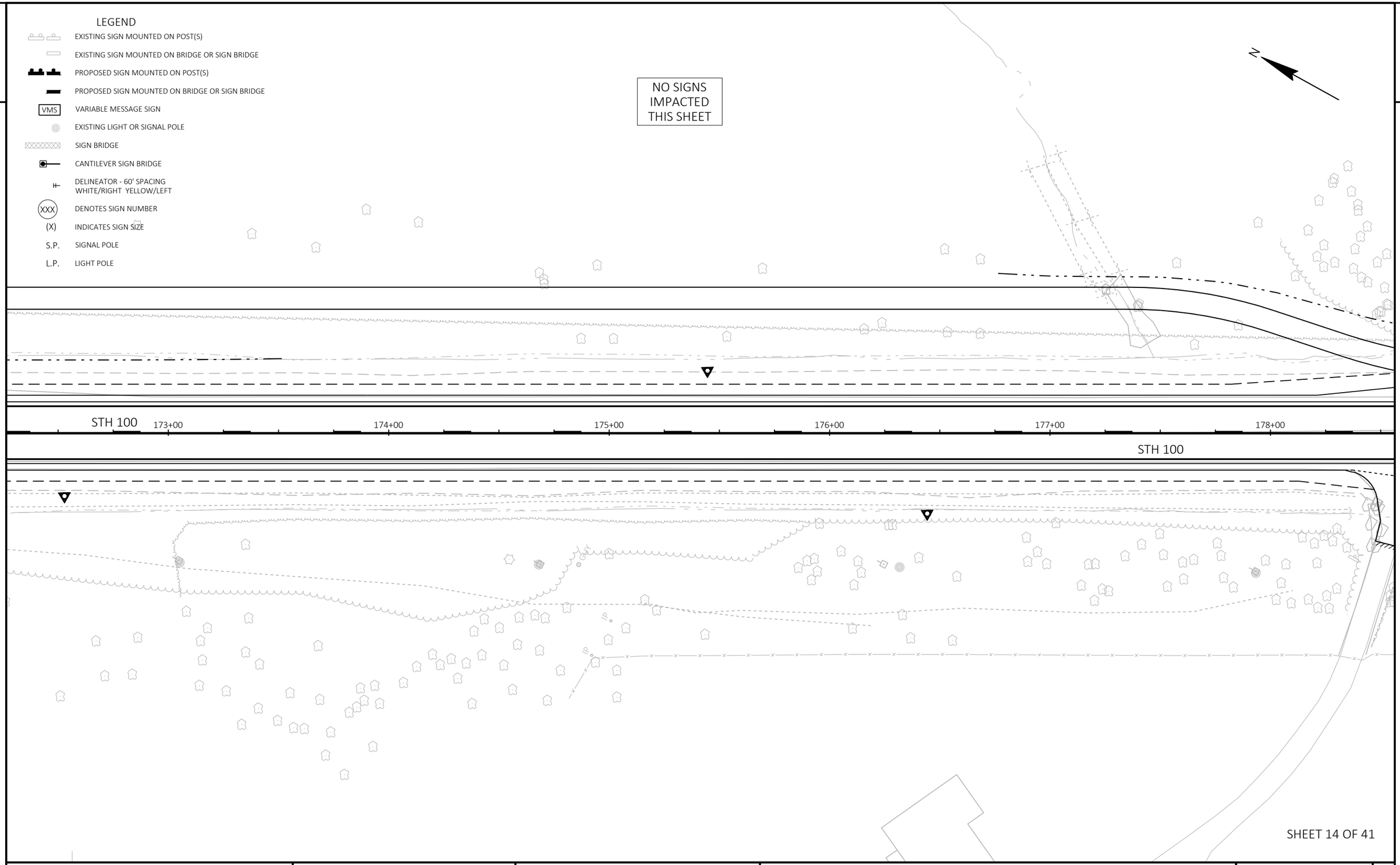
WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE

NO SIGNS IMPACTED THIS SHEET



SHEET 14 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 155	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 14

PLOT DATE : 7/9/2024 11:28 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE

N

NO PARKING ANY TIME
REMOVE

142
NO PARKING ANY TIME
R7-1D (2M)

XX XX

PC: 179+26.36

STH 100

179+00 180+00 181+00 182+00 183+00 184+00

STH 100

140
SPEED LIMIT 50
R2-1 (2S)

SPEED LIMIT 50
REMOVE

141
W1-6 (2S)

SHEET 15 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 156	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 15

PLOT DATE : 7/9/2024 11:28 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE

N

SPEED LIMIT 50 REMOVE

144 SPEED LIMIT 50 R2-1 (2S)

184+00 STH 100 185+00 186+00 187+00 188+00 189+00 190+00 STH 100

143 JCT COUNTY H M2-1 M1-5A

J1-1(2S)

JCT COUNTY H REMOVE

GUY

GUY

SHEET 16 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 157	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 16

PLOT DATE : 7/9/2024 11:29 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE

N

158 ADOPT A HIGHWAY I55-56 / MILTOWN RUFF RYDERS I55-56P MOVE

NO PARKING ANY TIME REMOVE

157 NO PARKING ANY TIME R7-1D (2M)

156 WEST M3-4 / 100 M1-6 / J4-1 (2S)

154 W1-7(2S) FACING CTH H

COUNTY H REMOVE

155 COUNTY H J13-1 (2S)

190+00 STH 100 191+00 192+00 193+00 EP: 50+00.00 194+00 195+00 STH 100

145 BEGIN RIGHT TURN LANE R3-20R (2S)

159 W1-6 (2S)

146 COUNTY H J13-1

COUNTY H REMOVE

M3-4 M1-5A 147 WEST COUNTY H J4-1(2S)

WEST COUNTY H REMOVE

WEIGHT LIMIT 3 TONS R12-1 MOVE PART OF #147

PT: 49+36.33

PC: 48+73.24

49F+00

48F+00

CTH (RYAN RD)

47F+00

152 DO NOT ENTER R5-1 (2S) NOT ON BACK OF STOP SIGN

DO NOT ENTER REMOVE

153 W1-6 (2S)

REMOVE

150 STOP R1-1(3)

151 STOP REMOVE

149 W12-1D (2S) 2' MOUNT HEIGHT

148 W1-6 (2S)

REMOVE

SHEET 17 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 158	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 17

PLOT DATE : 7/9/2024 11:29 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE

N

164 WEIGHT LIMIT 3 TONS R12-1

M6-2 MOVE

163 MB4-1 ALTERNATE ALTERNATE MB4-1; MB3-3 SOUTH EAST MB3-2; M1-1 CUTSIGN 41 CUTSIGN 94 M1-1; MB6-1 MB6-1

J33-2(2S)

POOL

W

IP

POST

GUY

PT: 199+61.36

196+00 STH 100 197+00 198+00 199+00 200+00 201+00 STH 100

160 ADOPT A HIGHWAY I55-56 STEELE SOLUTIONS I55-56P MOVE

161 SPEED LIMIT 50 R2-1(2S)

SPEED LIMIT 50 REMOVE

162 EAST M3-2; 100 M1-6

J4-1(2S)

SAN

VENT

WV

SHEET 18 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 159	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 18

PLOT DATE : 7/9/2024 11:29 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE

N

SPEED LIMIT 50 REMOVE

168 SPEED LIMIT 50 R2-1 (2S)

JCT COUNTY H REMOVE

167 JCT COUNTY H M2-1 M1-5A J1-1 (2S)

STH 100

202+00 203+00 204+00 205+00 206+00 207+00

STH 100

IP CHIS

IP CHIS

CEMETERY

165 W11-15 (2S)

165A AHEAD W16-9P (2S)

166 BEGIN RIGHT TURN LANE R3-20R (2S)

CEMETERY

SHEET 19 OF 41

2

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 160	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 19

PLOT DATE : 7/9/2024 11:29 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE

N

REMOVE

179 W1-2R (2S)

178 DO NOT ENTER R5-1 (2S)

176 177 W11-15 (2S) 176A 177A W16-7R (2S)

175 W11-15 (2S) 175A W16-7L (2S)

ONE WAY 174 R6-2L (2S)

298 R4-7 (2S)

173 W1-7 (2S)

STH 100

208+00 209+00 210+00 P: 50+00.00 211+00 212+00 213+00

STH 100

169 R4-7 (2S)

170 W11-15 (2S) 170A W16-7L (2S)

180 DO NOT ENTER R5-1 (2S)

49G+00

S 80TH ST

STOP 171 R1-1 (3)

STOP REMOVE

172 JCT M2-1 COUNTY U M1-5A J1-1 (2S)

IP

INL

POST

SHEET 20 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 161	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 20

PLOT DATE : 7/9/2024 11:30 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE

N

END
R3-9D (2S)
CENTER LANE ONLY
R3-9B (2S)
190A
190

189
W11-15 (2S)
189A
AHEAD
W16-9P (2S)

BEGIN
R3-9C (2S)
CENTER LANE ONLY
R3-9B (2S)
188A
188

STH 100

213+00 214+00 215+00 216+00 217+00 218+00 219+00

STH 100

W3-3 (2S)
181
REMOVE

BEGIN
R3-9C (2S)
CENTER LANE ONLY
R3-9B (2S)
182A
182

76th St
NEXT SIGNAL
D1-65 (2S)
183

ONLY ONLY ONLY
R3-8LAR (2S)
185

186
STOP
R1-1
MOVE
PRIVATE PROPERTY
OWNER SIGN
DO NOT REPLACE

END
R3-9D (2S)
CENTER LANE ONLY
R3-9B (2S)
187A
187

JCT
COUNTY U
REMOVE
184

76th St
NEXT SIGNAL
REMOVE
PART OF #183

SHEET 21 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 162	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 21

PLOT DATE : 7/9/2024 11:30 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE

SEE SHEET 38 OF 41

N

STH 100

CTH U (S 76TH ST)

206 W3-3 18"X18" ON PATH

207 WEST M3-4 100 M1-6 J4-1 (2S)

SPEED LIMIT 50 REMOVE

205 SPEED LIMIT 50 R2-1 (2S)

203 STOP R1-1F (3) ON S.P.

204 100 M1-6 M6-4 J13-1 (2S)

197 U S 76th St M1-9 4S

U S 76th St REMOVE

COUNTY U REMOVE

201 COUNTY U J13-1 (2S)

202 STOP R1-1F (3) ON S.P.

STOP REMOVE

199 200 100 Ryan Rd M1-9 4S ON S.P.

PI: 50+00.00

100 Ryan Rd REMOVE

U S 76th St REMOVE

196 U S 76th St M1-9 4S ON S.P.

45'

51H+00

50+00

24+00

PI: 23+94.50

191 MB4-1 ALTERNATE MB4-1 / MB3-1 NORTH MB3-4 WEST / M1-1 INTERSTATE 41 INTERSTATE 94 M1-1 / MB6-1 MB6-1 J33-2(2S)

193 STOP R1-1F (3) ON S.P.

STOP REMOVE

192 COUNTY U M1-5A M6-4 J13-1 (2S)

COUNTY U REMOVE

194 STOP R1-1F (3) ON S.P.

STOP REMOVE

198 W11-15 (2S)

198A W16-5PL (2S) ON SIGNAL ARM

195 100 M1-6 M6-4 J13-1 (2S)

42H+00

ONLY

WALL

SIGN

SHEET 22 OF 41

SEE SHEET 36 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 163	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 22
PLOT DATE : 7/9/2024 11:30 AM
PLOT BY : MARTENS, KAREN L
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE

N

213 W11-15 (2S)
213A W16-5PR (2S)

212 W3-3 18"X18" ON PATH

211 MB4-1 ALTERNATE / ALTERNATE MB4-1; MB3-3 SOUTH / EAST MB3-2; M1-1 ALT STATE 41 / ALT STATE 94 M1-1; MB6-1 MB6-1; J33-2(2S)

STH 100

225+00 226+00 227+00 228+00 229+00 230+00

45'

XX XX XX XX XX

XX XX XX

XX XX XX

208 NO PARKING ANY TIME R7-1D (2M)

209 SPEED LIMIT 50 R2-1 (2S)

SPEED LIMIT 50 REMOVE

210 EAST M3-2; 100 M1-6; J4-1 (2S)

STH 100

SHEET 23 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 164	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 23

PLOT DATE : 7/9/2024 11:30 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE

214 — ONLY | ONLY | ONLY — R3-8LAR (2S)

220 — REMOVE — W3-3 (2S)

219 — M2-1 JCT / M1-5A COUNTY U — J1-1 (2S)

218 — 76th St NEXT SIGNAL — D1-65

JCT COUNTY U — PART OF #219 — REMOVE

76th St NEXT SIGNAL — REMOVE

215 — SPEED LIMIT 50 — R2-1 (2S)

216 — NO PARKING ANY TIME — R7-1D (2M)

SPEED LIMIT 50 — REMOVE

NO PARKING ANY TIME — REMOVE

217 — NO PASSING ZONE — REMOVE

STH 100

231+00 | 232+00 | 233+00 | 234+00 | 235+00 | 236+00

STH 100

N

W

SIGN

POST

POST

WV

WV

WV

STONE MON

U/C

SHEET 24 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 165	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 24

PLOT DATE : 7/9/2024 11:30 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE

N

2

STH 100

237+00 238+00 239+00 240+00 241+00 242+00

STH 100

221 NO PASSING ZONE

W14-3 (2S)

NOTE:
LOCATE AT START OF
NO PASSING ZONE

SHEET 25 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 166	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 25

PLOT DATE : 7/9/2024 11:31 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE

N

SPEED LIMIT 50
REMOVE

SPEED LIMIT 50
223
R2-1 (2S)

224
W2-1
18"X18"
ON PATH

242+00 STH 100 243+00 244+00 245+00 246+00 247+00 248+00

STH 100

222
NO PASSING ZONE
W14-3 (2S)
NOTE:
LOCATE AT START OF NO PASSING ZONE

NO PASSING ZONE
REMOVE

SIGN

U/C

SHEET 26 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 167	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 26

PLOT DATE : 7/9/2024 11:31 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE

231 W11-15 (2S)
231A AHEAD W16-9P (2S)
REMOVE 100
232 100 M1-6 M6-4 J13-1 (2S)
233 W11-15 (2S)
233A W16-7L (2S)
500'
S 68TH ST
REMOVE STOP
230 STOP R1-1 (3)
228 W2-1 18"X18" ON PATH
REMOVE NO PARKING ANY TIME
229 R7-1D (2M)
PI: 250+17.08
248+00 STH 100
249+00
BP: 50+00.00
250+00
251+00
252+00
253+00
STH 100
225 W1-7 (2S)
REMOVE
226 NO PARKING ANY TIME R7-1D (2M)
REMOVE
227 W6-1 (2S)
REMOVE
N

SHEET 27 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 168	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 27
PLOT DATE : 7/9/2024 11:31 AM
PLOT BY : MARTENS, KAREN L
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE

N

REMOVE NO PARKING ANY TIME

NO PARKING ANY TIME 237

R7-1D (2M)

REMOVE SPEED LIMIT 50

SPEED LIMIT 50 236

R2-1 (2S)

STH 100

254+00 255+00 256+00 257+00 258+00 259+00

STH 100

SPEED LIMIT 45 235

R2-1 (3)

NO PARKING ANY TIME 234

R7-1D (2M)

REMOVE SPEED LIMIT 45

REMOVE NO PARKING ANY TIME

SHEET 28 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 169	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 28

PLOT DATE : 7/9/2024 11:31 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

REMOVE
NO PARKING ANY TIME
245
R7-1D (2M)

DO NOT ENTER
R5-1
ESTR

W6-3
ESTR

REMOVE
NO PARKING ANY TIME
244
R7-1D (2M)

WRONG WAY
REMOVE

WRONG WAY
243
R5-1A (3)

STH 100

260+00 261+00 262+00 263+00 264+00 265+00

STH 100

MH

241
R4-7 (3)

241A
W5-54 (2M)

238
NO PARKING ANY TIME
R7-1D (2M)

Root River
239
I3-1

240
W5-52R (2S)
4' MOUNT HEIGHT

242
REMOVE

ROOT RIVER

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE

SHEET 29 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 170	E

2

2

ROOT RIVER

STH 100

Root River
REMOVE

REMOVE

252 Root River
I3-1

253
W5-52R (2S)
4' MOUNT HEIGHT

REMOVE

251
W6-1 (2S)

SPEED LIMIT 45
R2-1
ESTR

NO PARKING ANY TIME
R7-1D
ESTR

N

266+00 267+00 268+00 269+00 270+00 271+00

STH 100

REMOVE

294
W3-3 (2S)

246
W3-3 (2S)
ON L.P.

REMOVE

247 60th St NEXT SIGNAL
D1-65

60th St NEXT SIGNAL
REMOVE

60th St NEXT SIGNAL
D1-65

248

249 NO PARKING ANY TIME
R7-1D

NO PARKING ANY TIME
REMOVE

LEGEND

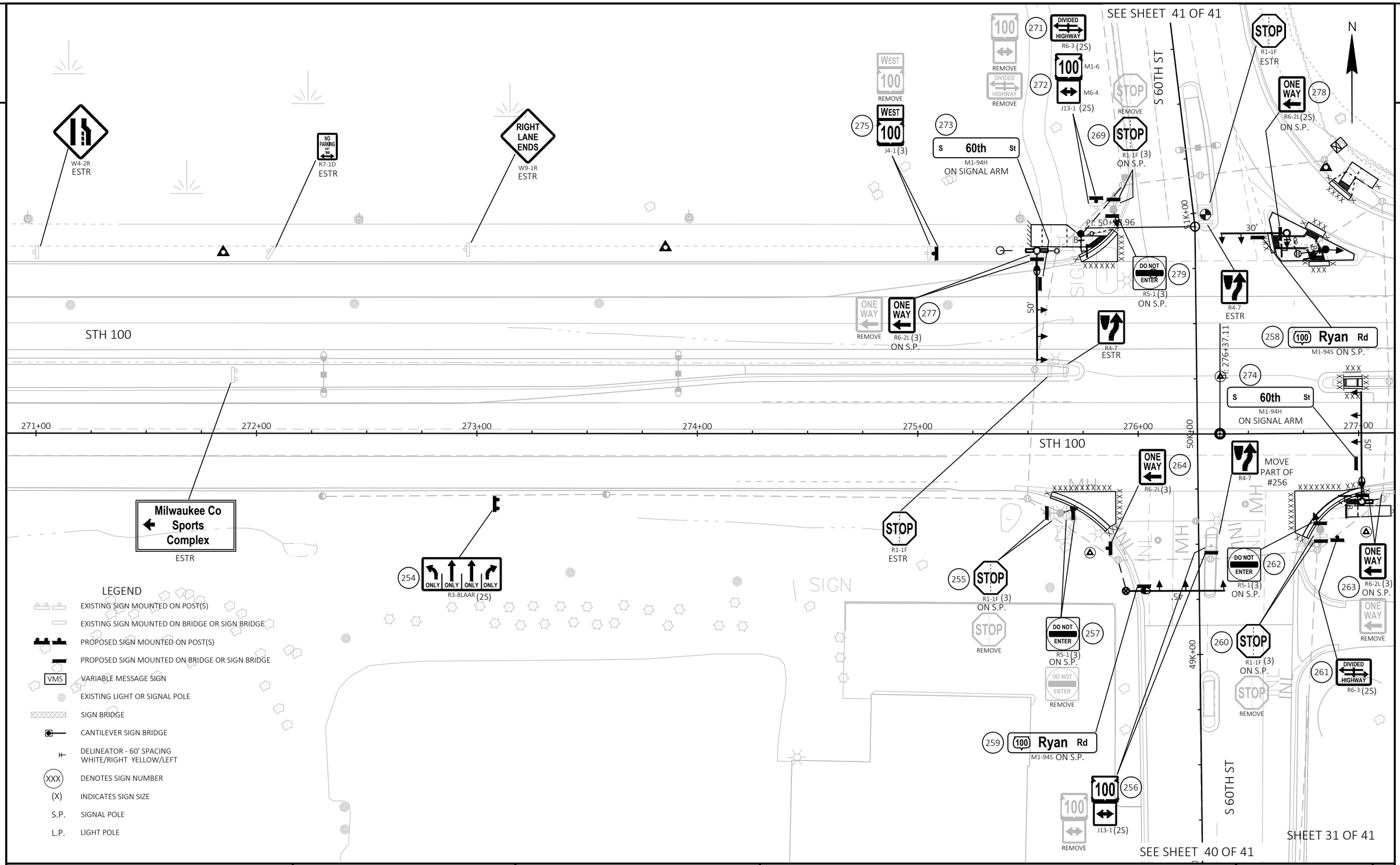
- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE

SHEET 30 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 171	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 30

PLOT DATE : 7/9/2024 11:32 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT



PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 172	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 31
PLOT DATE : 7/9/2024 11:32 AM
PLOT BY : MARTENS, KAREN L
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE

N

265 DO NOT ENTER R5-1 (3) ON S.P.
REMOVE DO NOT ENTER

283 STOP R1-1 (3)
REMOVE STOP

267 STOP R1-1F (3) ON S.P.
REMOVE STOP

282 W12-1D 2' MOUNT HEIGHT
REMOVE

281 ONLY ONLY ONLY ONLY R3-8LAAR (2S)

XXX

268 R4-7 (3)
REMOVE

STH 100

277+00 278+00 279+00 280+00 281+00 282+00

STH 100

50'

XXXXXXXX XXX

266 STOP R1-1F (3)
REMOVE STOP

280 EAST M3-2 100 M1-6 J4-1 (3)
REMOVE EAST 100

SHEET 32 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 173	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 32

PLOT DATE : 7/9/2024 11:32 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

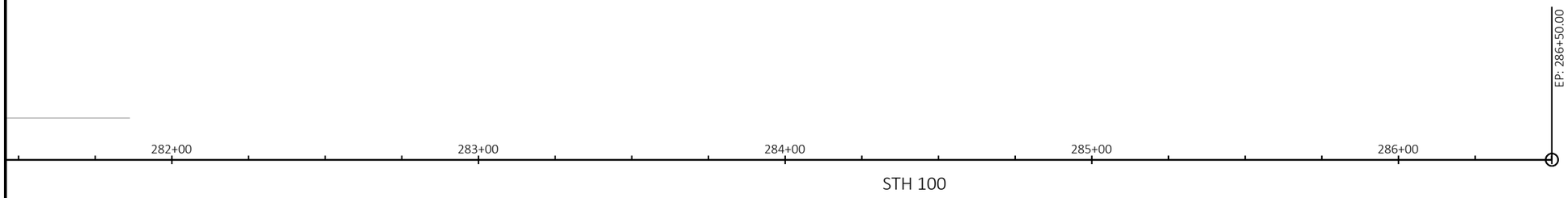
2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE

N

NO SIGNS IMPACTED THIS SHEET





2

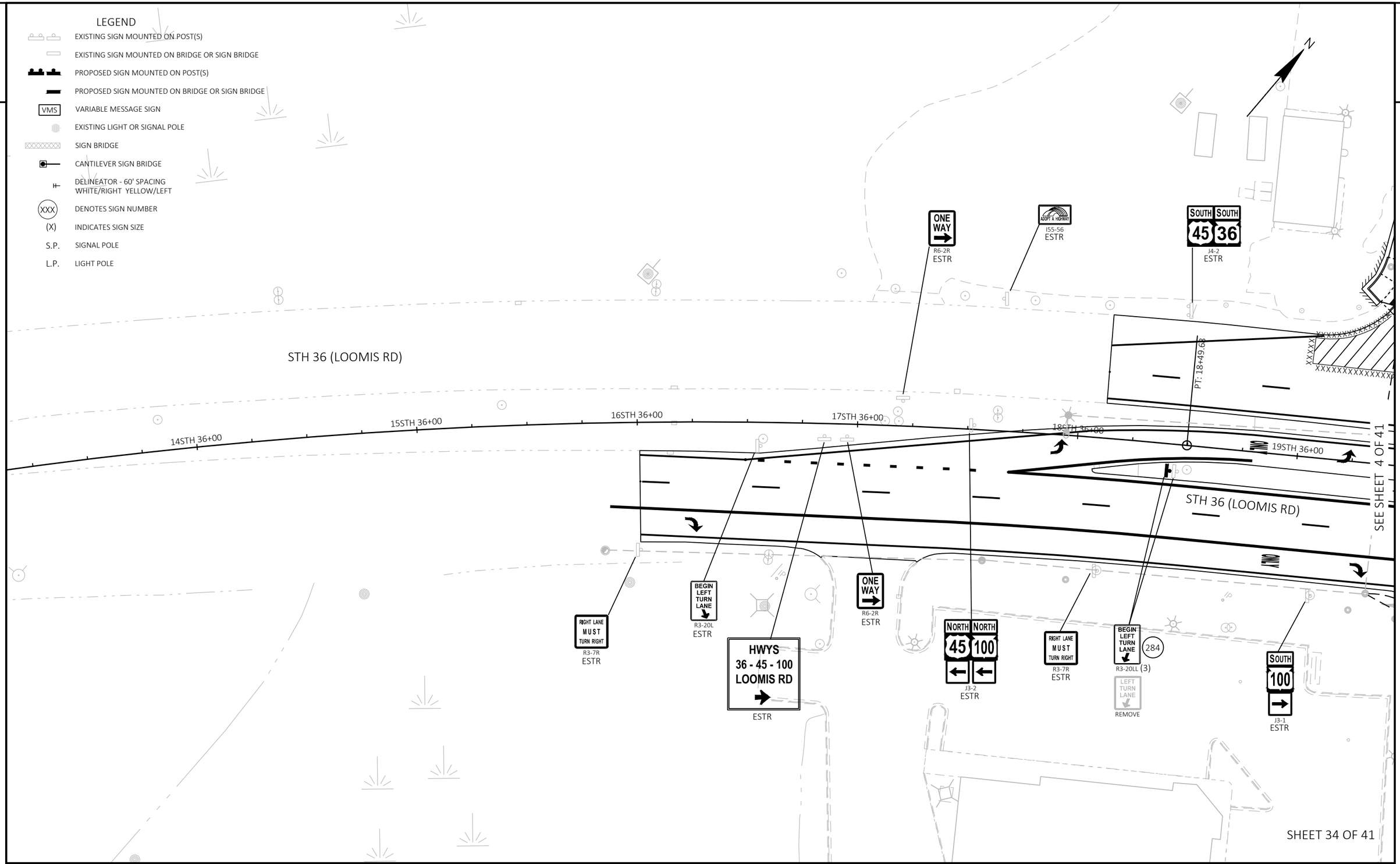
SHEET 33 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 174	E

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE



PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 175	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 34

PLOT DATE : 7/9/2024 11:33 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

CANOPY

CANOPY

NO SIGNS IMPACTED THIS SHEET

STH 36 (LOOMIS RD)

22STH 36+00

23STH 36+00

24STH 36+00

25STH 36+00

PC: 25+27.35

26STH 36+00

27STH 36+00

STH 36 (LOOMIS RD)

SEE SHEET 4 OF 41

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE

SHEET 35 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 176	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 35

PLOT DATE : 7/9/2024 11:33 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE

N

GUY

BP: 40+00.00

CTH U (S 76TH ST)

41H+00 42H+00 43H+00 44H+00 45H+00

CTH U (S 76TH ST)

GUY GUY GUY GUY GUY

W3-3
ESTR

SHEET 36 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 177	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 36

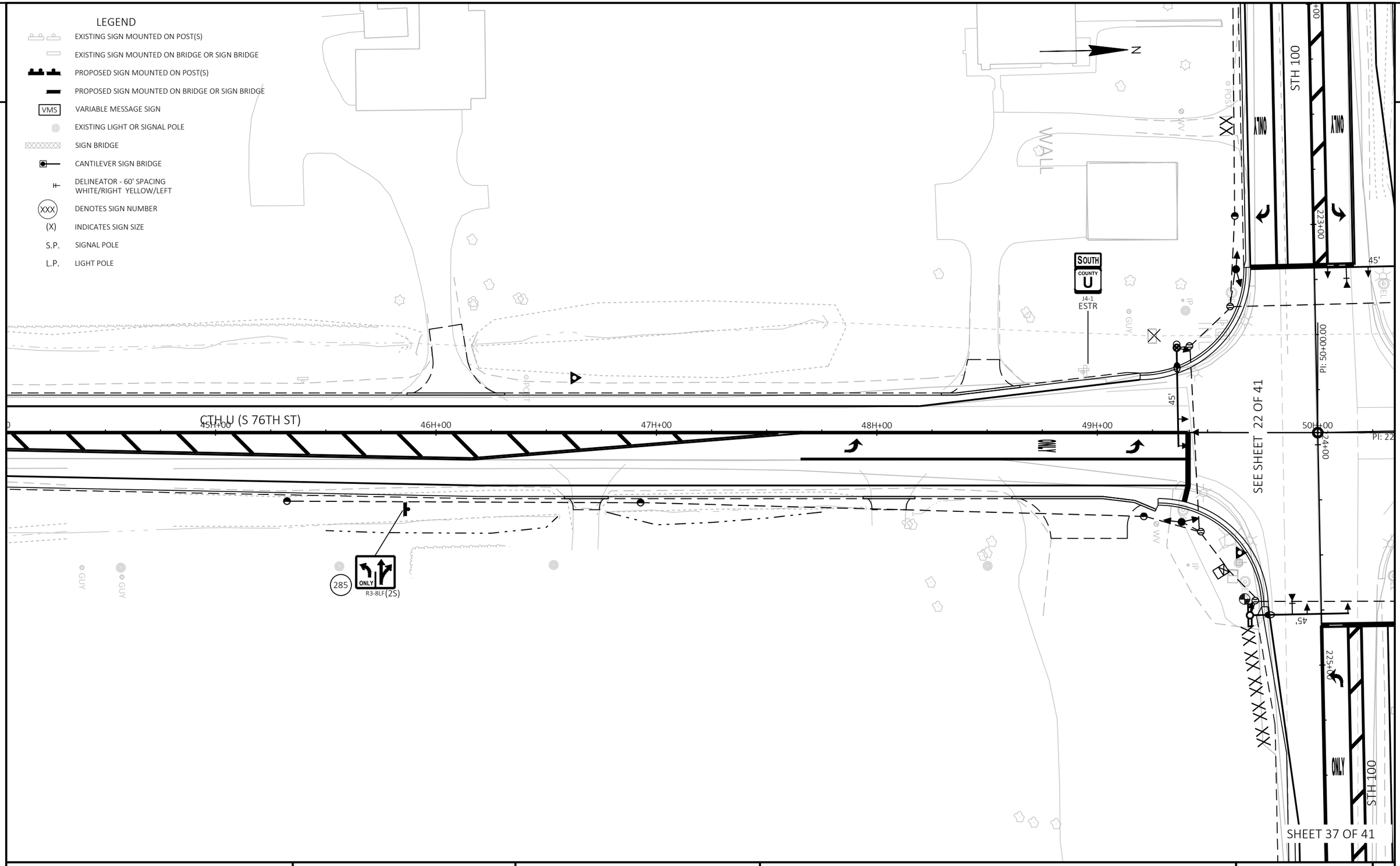
PLOT DATE : 7/9/2024 11:33 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE

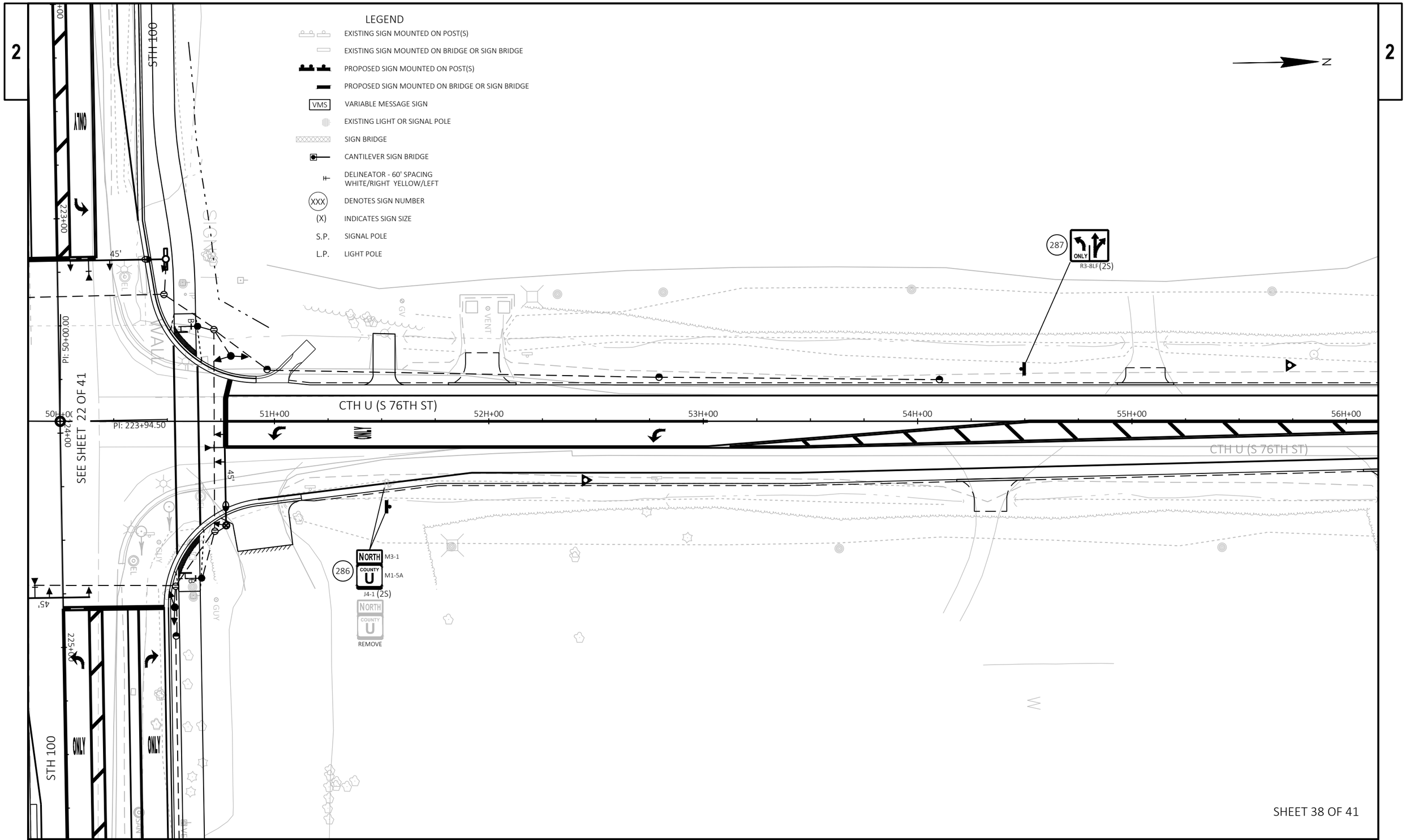


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 178	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 37

PLOT DATE : 7/9/2024 11:33 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 179	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 38

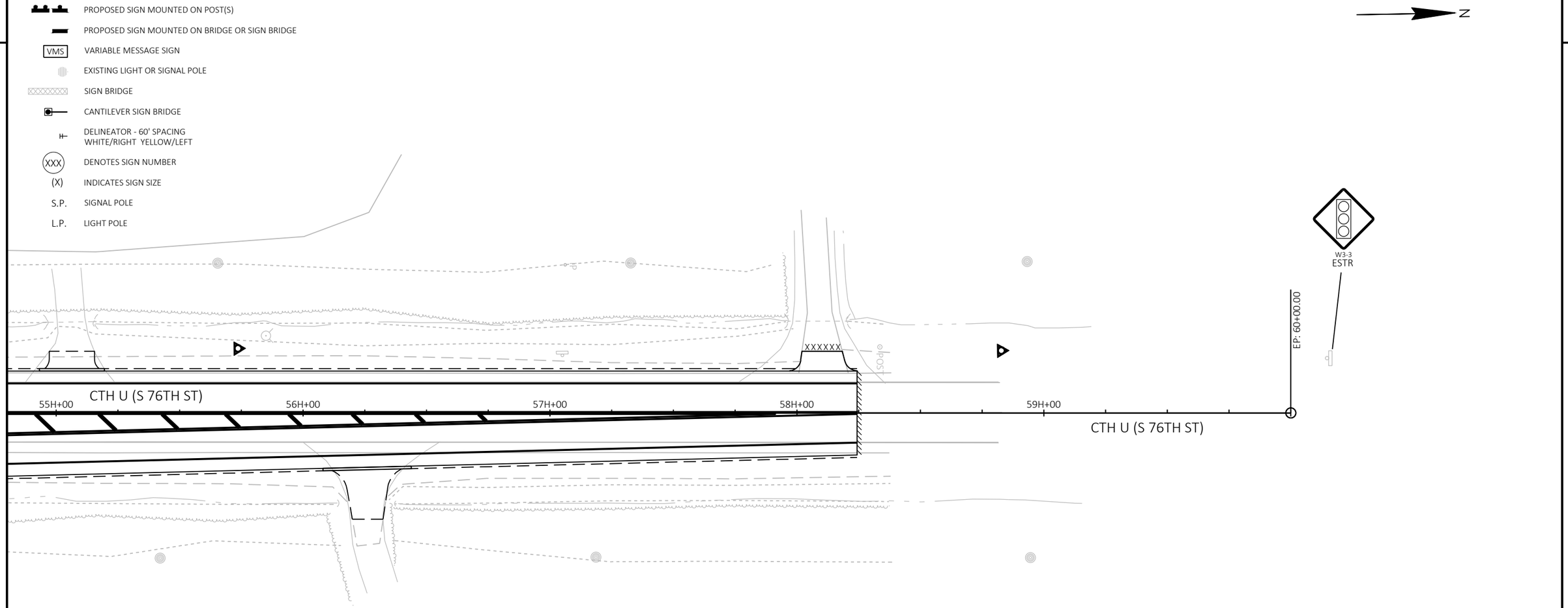
PLOT DATE : 7/9/2024 11:34 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE



2

SHEET 39 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 180	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 39

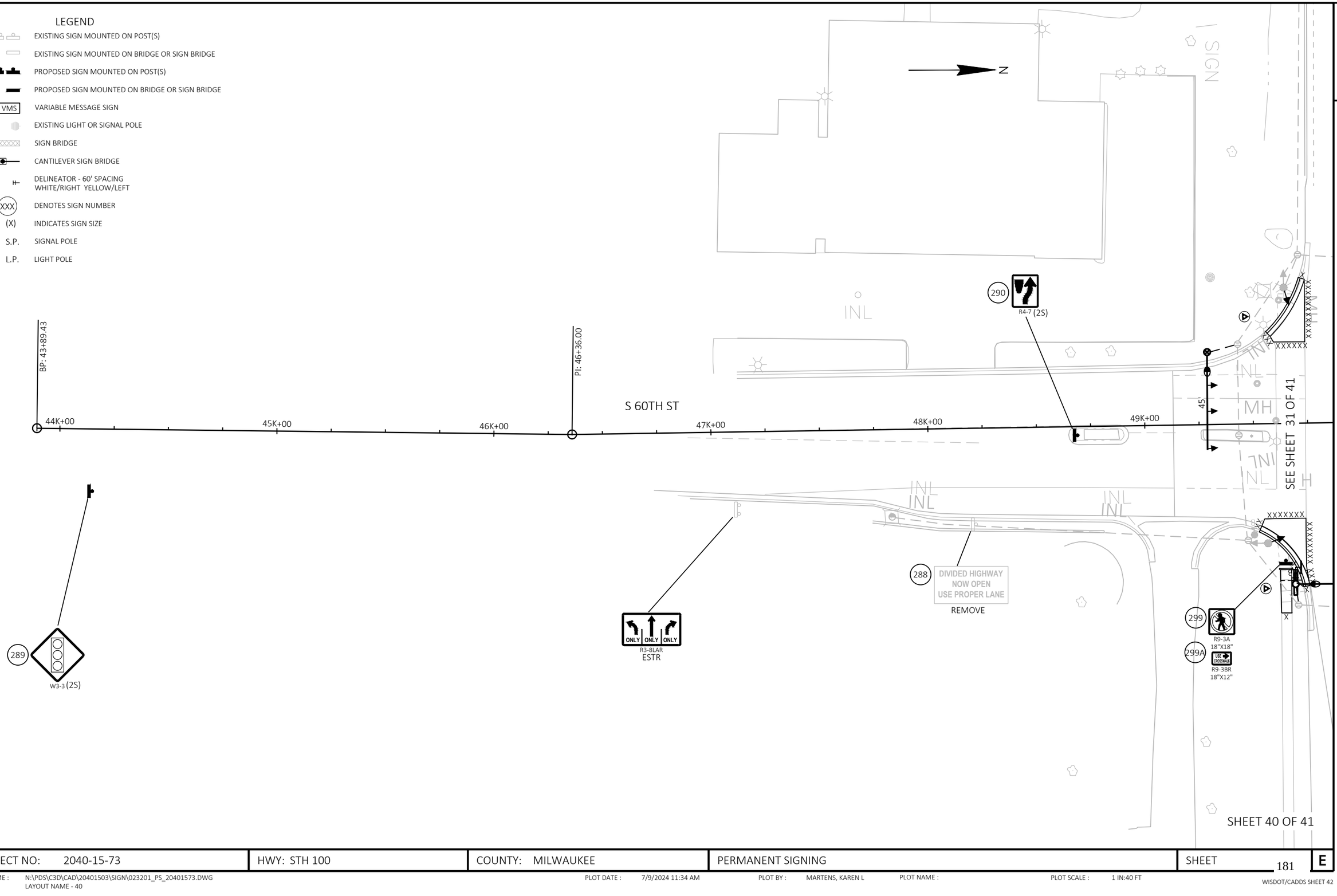
PLOT DATE : 7/9/2024 11:34 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE



SHEET 40 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 181	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 40

PLOT DATE : 7/9/2024 11:34 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- DELINEATOR - 60' SPACING WHITE/RIGHT YELLOW/LEFT
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- S.P. — SIGNAL POLE
- L.P. — LIGHT POLE

N

R4-7
ESTR

291
ONLY
R3-8LF (2S)

292
W3-3 (2S)

PI: 51+93.96

PC: 53+90.69

PT: 54+88.15

EP: 56+33.31

51K+00

52K+00

53K+00

S 60TH ST

54K+00

55K+00

56K+00

SEE SHEET 31 OF 41

SHEET 41 OF 41

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 182	E

FILE NAME : N:\PDS\C3D\CAD\20401503\SIGN\023201_PS_20401573.DWG
LAYOUT NAME - 41

PLOT DATE : 7/9/2024 11:34 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

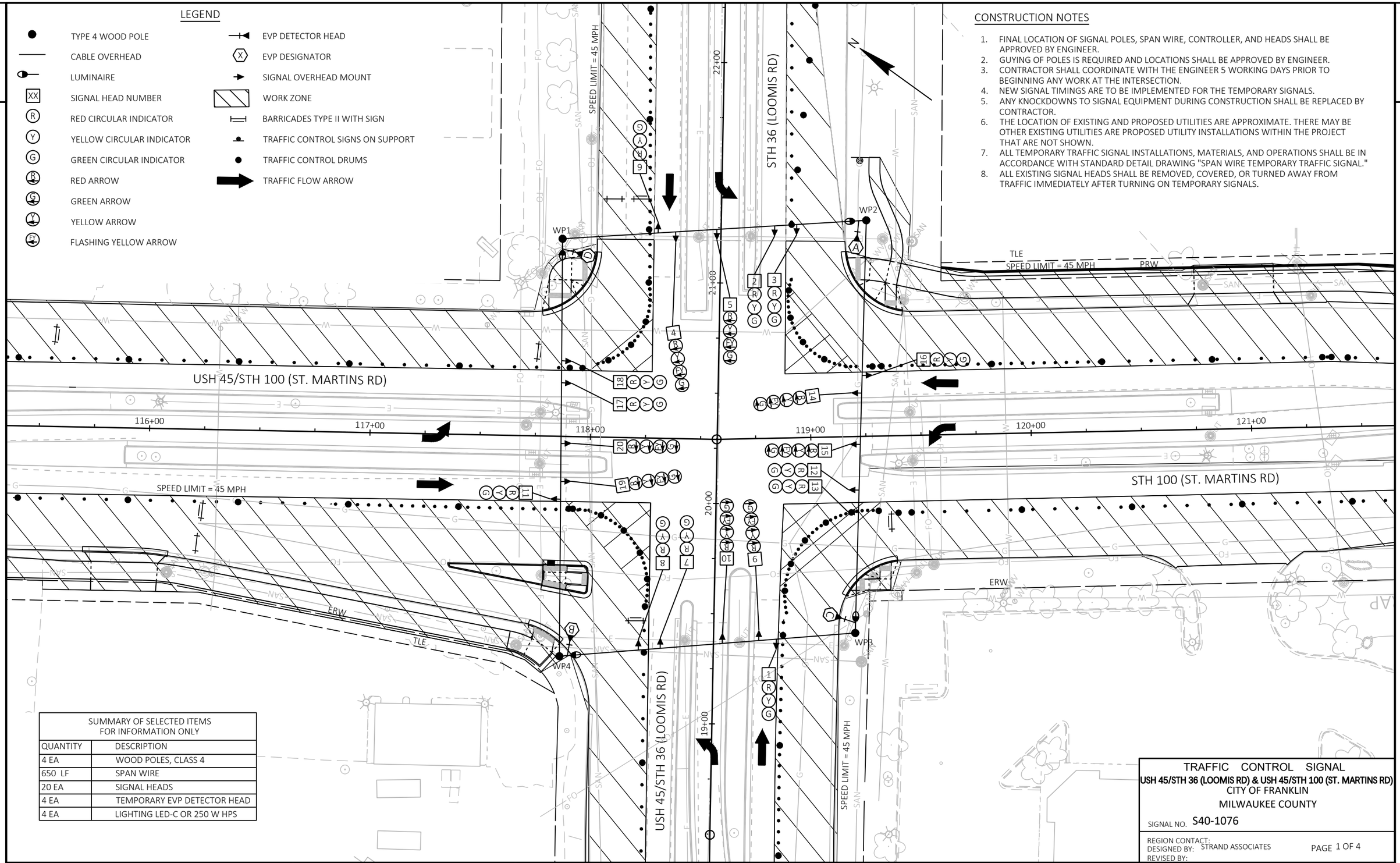
2

LEGEND

TYPE 4 WOOD POLE	EVP DETECTOR HEAD
CABLE OVERHEAD	EVP DESIGNATOR
LUMINAIRE	SIGNAL OVERHEAD MOUNT
SIGNAL HEAD NUMBER	WORK ZONE
RED CIRCULAR INDICATOR	BARRICADES TYPE II WITH SIGN
YELLOW CIRCULAR INDICATOR	TRAFFIC CONTROL SIGNS ON SUPPORT
GREEN CIRCULAR INDICATOR	TRAFFIC CONTROL DRUMS
RED ARROW	TRAFFIC FLOW ARROW
GREEN ARROW	
YELLOW ARROW	
FLASHING YELLOW ARROW	

CONSTRUCTION NOTES

1. FINAL LOCATION OF SIGNAL POLES, SPAN WIRE, CONTROLLER, AND HEADS SHALL BE APPROVED BY ENGINEER.
2. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY ENGINEER.
3. CONTRACTOR SHALL COORDINATE WITH THE ENGINEER 5 WORKING DAYS PRIOR TO BEGINNING ANY WORK AT THE INTERSECTION.
4. NEW SIGNAL TIMINGS ARE TO BE IMPLEMENTED FOR THE TEMPORARY SIGNALS.
5. ANY KNOCKDOWNS TO SIGNAL EQUIPMENT DURING CONSTRUCTION SHALL BE REPLACED BY CONTRACTOR.
6. THE LOCATION OF EXISTING AND PROPOSED UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER EXISTING UTILITIES ARE PROPOSED UTILITY INSTALLATIONS WITHIN THE PROJECT THAT ARE NOT SHOWN.
7. ALL TEMPORARY TRAFFIC SIGNAL INSTALLATIONS, MATERIALS, AND OPERATIONS SHALL BE IN ACCORDANCE WITH STANDARD DETAIL DRAWING "SPAN WIRE TEMPORARY TRAFFIC SIGNAL."
8. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.



SUMMARY OF SELECTED ITEMS FOR INFORMATION ONLY	
QUANTITY	DESCRIPTION
4 EA	WOOD POLES, CLASS 4
650 LF	SPAN WIRE
20 EA	SIGNAL HEADS
4 EA	TEMPORARY EVP DETECTOR HEAD
4 EA	LIGHTING LED-C OR 250 W HPS

TRAFFIC CONTROL SIGNAL

USH 45/STH 36 (LOOMIS RD) & USH 45/STH 100 (ST. MARTINS RD)
CITY OF FRANKLIN
MILWAUKEE COUNTY

SIGNAL NO. S40-1076

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES
REVISED BY:

PAGE 1 OF 4

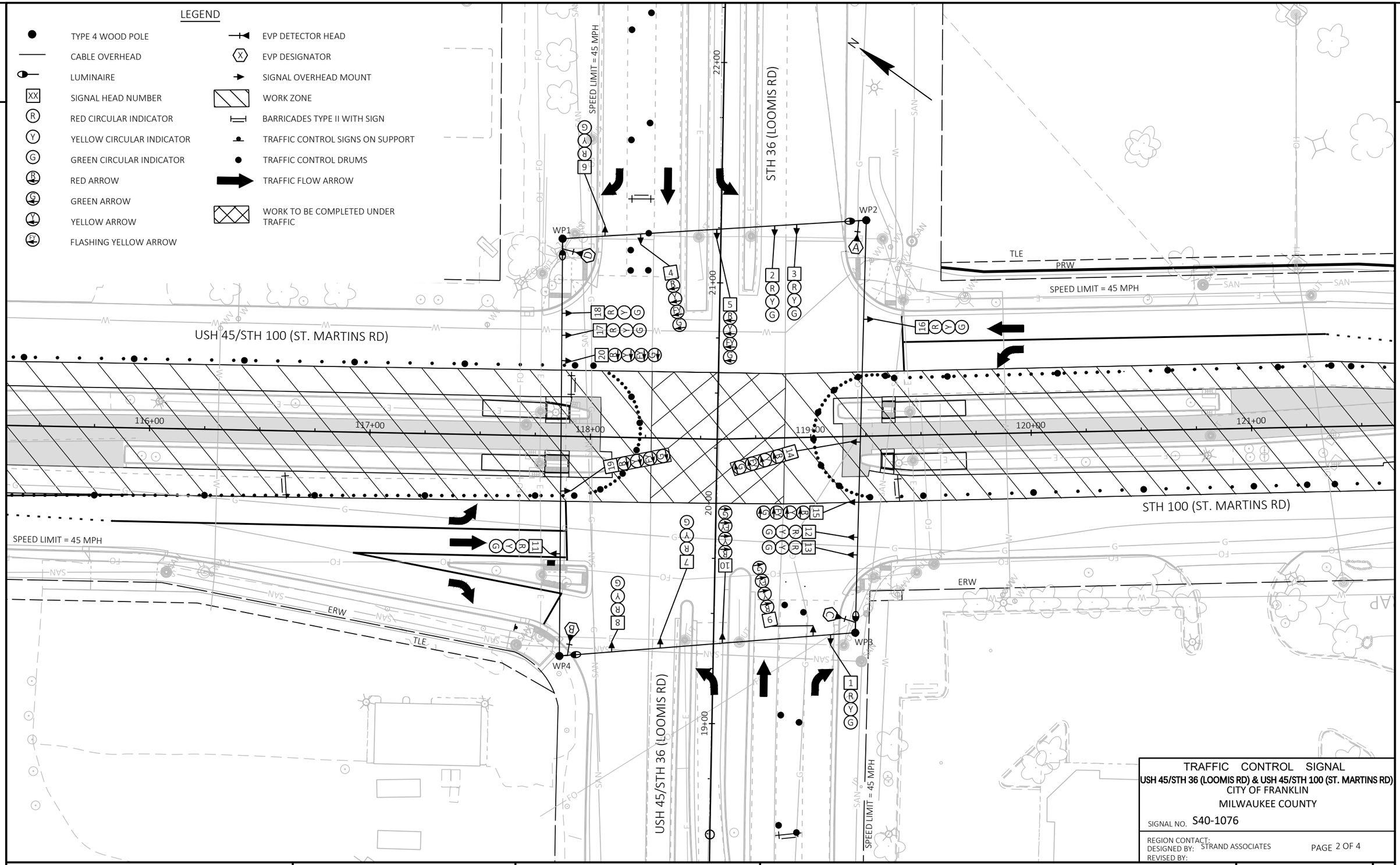
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLANS - STAGE 1	SHEET 183	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\024101-ST.DWG
LAYOUT NAME - 024101-st
PLOT DATE : 7/29/2024 11:32 AM
PLOT BY : WALTER, ADAM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE 4 WOOD POLE
- CABLE OVERHEAD
- LUMINAIRE
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- GREEN ARROW
- YELLOW ARROW
- FLASHING YELLOW ARROW
- EVP DETECTOR HEAD
- EVP DESIGNATOR
- SIGNAL OVERHEAD MOUNT
- WORK ZONE
- BARRICADES TYPE II WITH SIGN
- TRAFFIC CONTROL SIGNS ON SUPPORT
- TRAFFIC CONTROL DRUMS
- TRAFFIC FLOW ARROW
- WORK TO BE COMPLETED UNDER TRAFFIC



TRAFFIC CONTROL SIGNAL

USH 45/STH 36 (LOOMIS RD) & USH 45/STH 100 (ST. MARTINS RD)

CITY OF FRANKLIN

MILWAUKEE COUNTY

SIGNAL NO. S40-1076

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES
REVISED BY:

PAGE 2 OF 4

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLANS - STAGE 2	SHEET 184	E

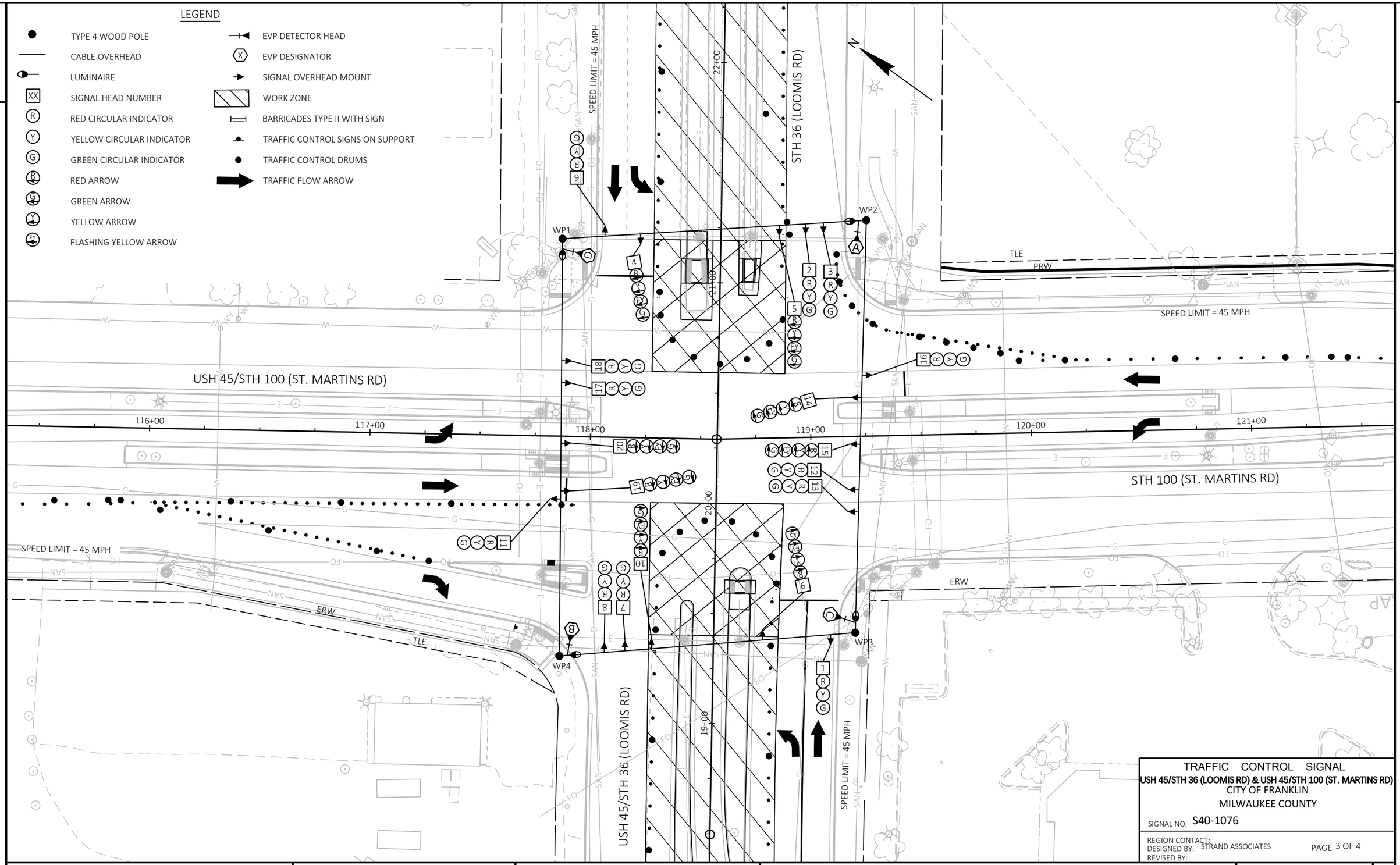
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LAYOUT NAME - 024101-st

PLOT DATE : 8/1/2024 9:17 AM PLOT BY : WALTER, ADAM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- TYPE 4 WOOD POLE
- CABLE OVERHEAD
- LUMINAIRE
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- GREEN ARROW
- YELLOW ARROW
- FLASHING YELLOW ARROW
- EVP DETECTOR HEAD
- EVP DESIGNATOR
- SIGNAL OVERHEAD MOUNT
- WORK ZONE
- BARRICADES TYPE II WITH SIGN
- TRAFFIC CONTROL SIGNS ON SUPPORT
- TRAFFIC CONTROL DRUMS
- TRAFFIC FLOW ARROW



TRAFFIC CONTROL SIGNAL

USH 45/STH 36 (LOOMIS RD) & USH 45/STH 100 (ST. MARTINS RD)

CITY OF FRANKLIN

MILWAUKEE COUNTY

SIGNAL NO. S40-1076

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES
REVISED BY:

PAGE 3 OF 4

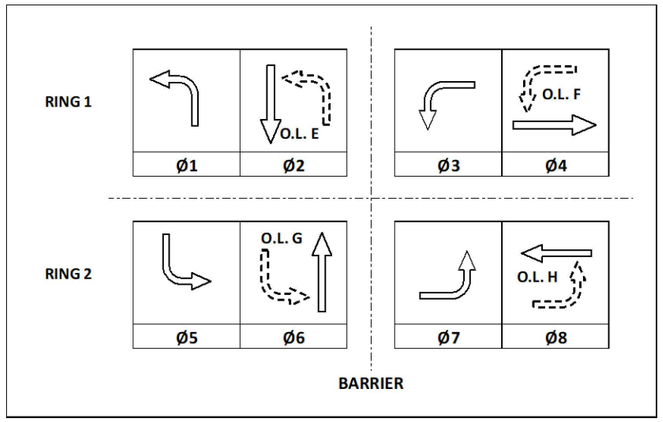
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLANS - STAGE 3	SHEET 185	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\024103-ST.DWG
LAYOUT NAME - 024101-st

PLOT DATE : 8/1/2024 9:28 AM PLOT BY : WALTER, ADAM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	4,5	R
Ø2	6,7,8	R
Ø3	19,20	R
Ø4	11,12,13	R
Ø5	9,10	R
Ø6	1,2,3	R
Ø7	14,15	R
Ø8	16,17,18	R
OLE	4,5	-
OLF	19,20	-
OLG	9,10	-
OLH	14,15	-



GENERAL NOTES:

1. O.L.E. AND O.L.G. TO BE USED IN STAGE 1 AND 2.
2. O.L.F. AND O.L.H. TO BE USED IN STAGE 1 AND 3.

CONTROLLER LOGIC

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

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

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

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

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

TRAFFIC CONTROL SIGNAL
USH 45/STH 36 (LOOMIS RD) & USH 45/STH 100 (ST. MARTINS RD)
CITY OF FRANKLIN
MILWAUKEE COUNTY
SIGNAL NO. S40-1076

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES
REVISED BY:

PROJECT NO: 2040-15-73 | HWY: STH 100 | COUNTY: MILWAUKEE | TEMPORARY TRAFFIC SIGNAL PLAN - SEQUENCE OF OPERATIONS | SHEET 186 | E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\024101-ST.DWG
LAYOUT NAME - 024102-st
PLOT DATE : 7/29/2024 11:32 AM PLOT BY : WALTER, ADAM PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

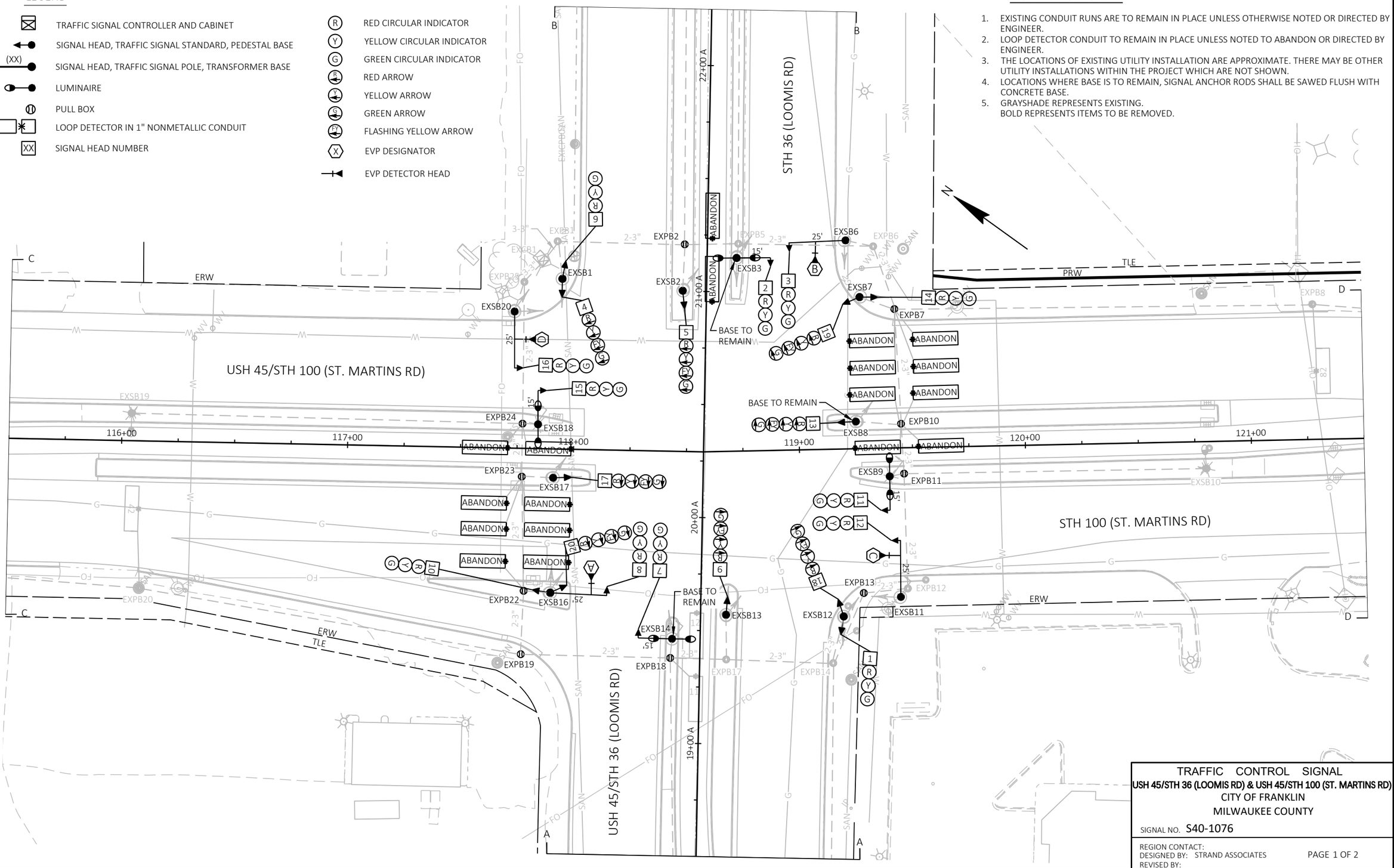
2

LEGEND

- TRAFFIC SIGNAL CONTROLLER AND CABINET
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- LUMINAIRE
- PULL BOX
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RA RED ARROW
- YA YELLOW ARROW
- GA GREEN ARROW
- FYA FLASHING YELLOW ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD

CONSTRUCTION NOTES

1. EXISTING CONDUIT RUNS ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED OR DIRECTED BY ENGINEER.
2. LOOP DETECTOR CONDUIT TO REMAIN IN PLACE UNLESS NOTED TO ABANDON OR DIRECTED BY ENGINEER.
3. THE LOCATIONS OF EXISTING UTILITY INSTALLATION ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. LOCATIONS WHERE BASE IS TO REMAIN, SIGNAL ANCHOR RODS SHALL BE SAWED FLUSH WITH CONCRETE BASE.
5. GRAYSHADE REPRESENTS EXISTING.
   BOLD REPRESENTS ITEMS TO BE REMOVED.



TRAFFIC CONTROL SIGNAL

USH 45/STH 36 (LOOMIS RD) & USH 45/STH 100 (ST. MARTINS RD)

CITY OF FRANKLIN

MILWAUKEE COUNTY

SIGNAL NO. S40-1076

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES
REVISED BY:

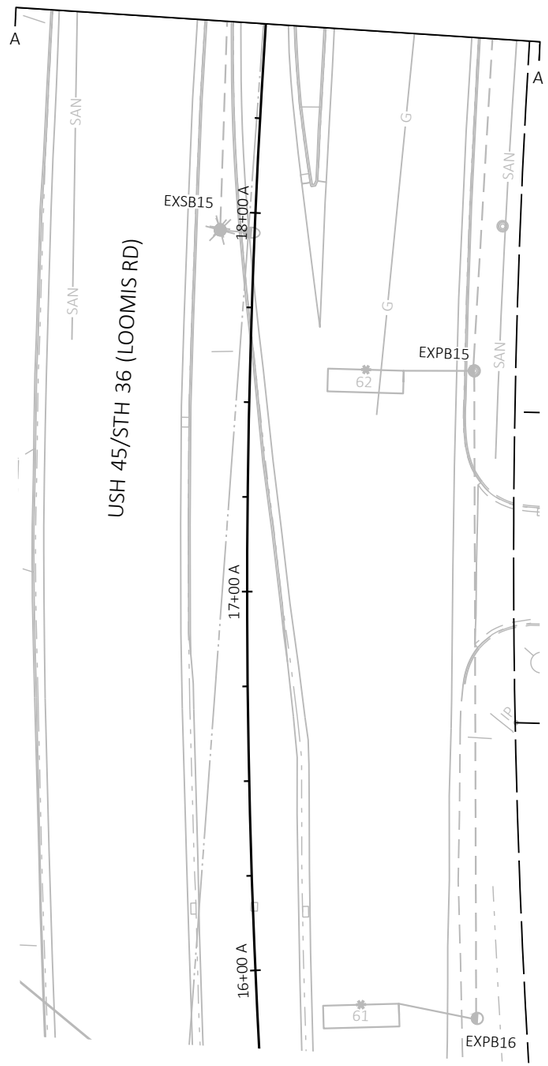
PAGE 1 OF 2

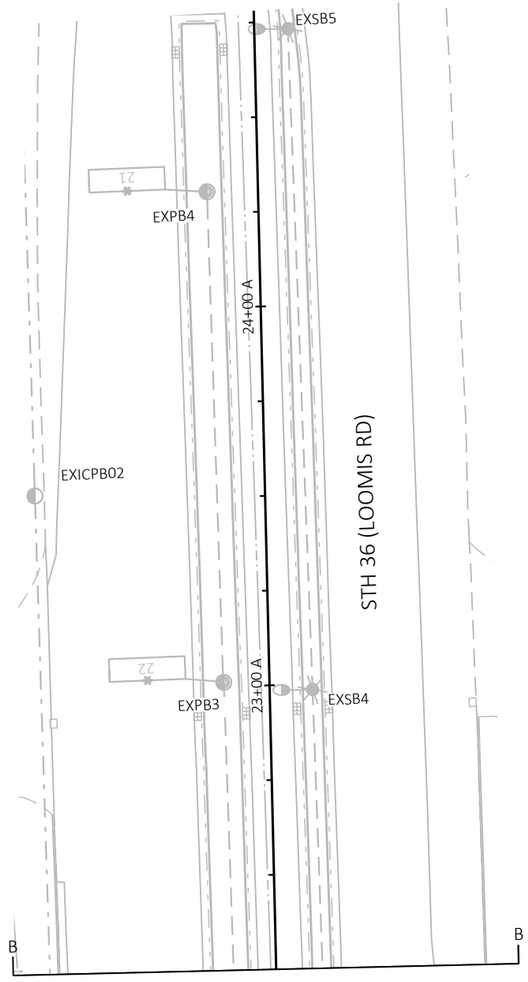
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 187	E

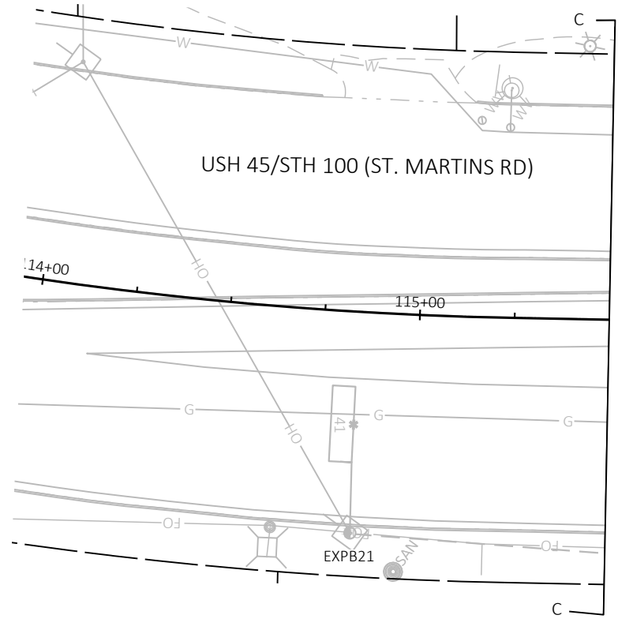
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LAYOUT NAME - 024001-sr

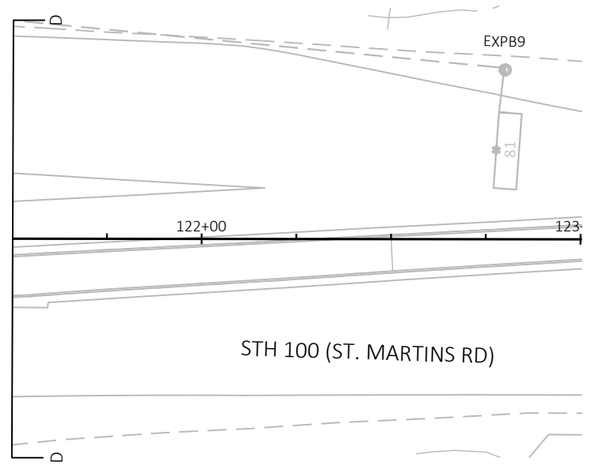
PLOT DATE : 7/29/2024 11:37 AM PLOT BY : WALTER, ADAM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42









TRAFFIC CONTROL SIGNAL

USH 45/STH 36 (LOOMIS RD) & USH 45/STH 100 (ST. MARTINS RD)

CITY OF FRANKLIN

MILWAUKEE COUNTY

SIGNAL NO. S40-1076

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES
REVISED BY:

PAGE 2 OF 2

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 188	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\024001-SR.DWG
LAYOUT NAME - 024002-sr
PLOT DATE : 7/29/2024 11:39 AM
PLOT BY : WALTER, ADAM
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

LEGEND

- CONTROL CABINET
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- (XX) SPECIAL MONOTUBE BASE, POLE, 35'-45' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- B PEDESTRIAN HEAD WITH PUSH BUTTON
- B PUSH BUTTON
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW

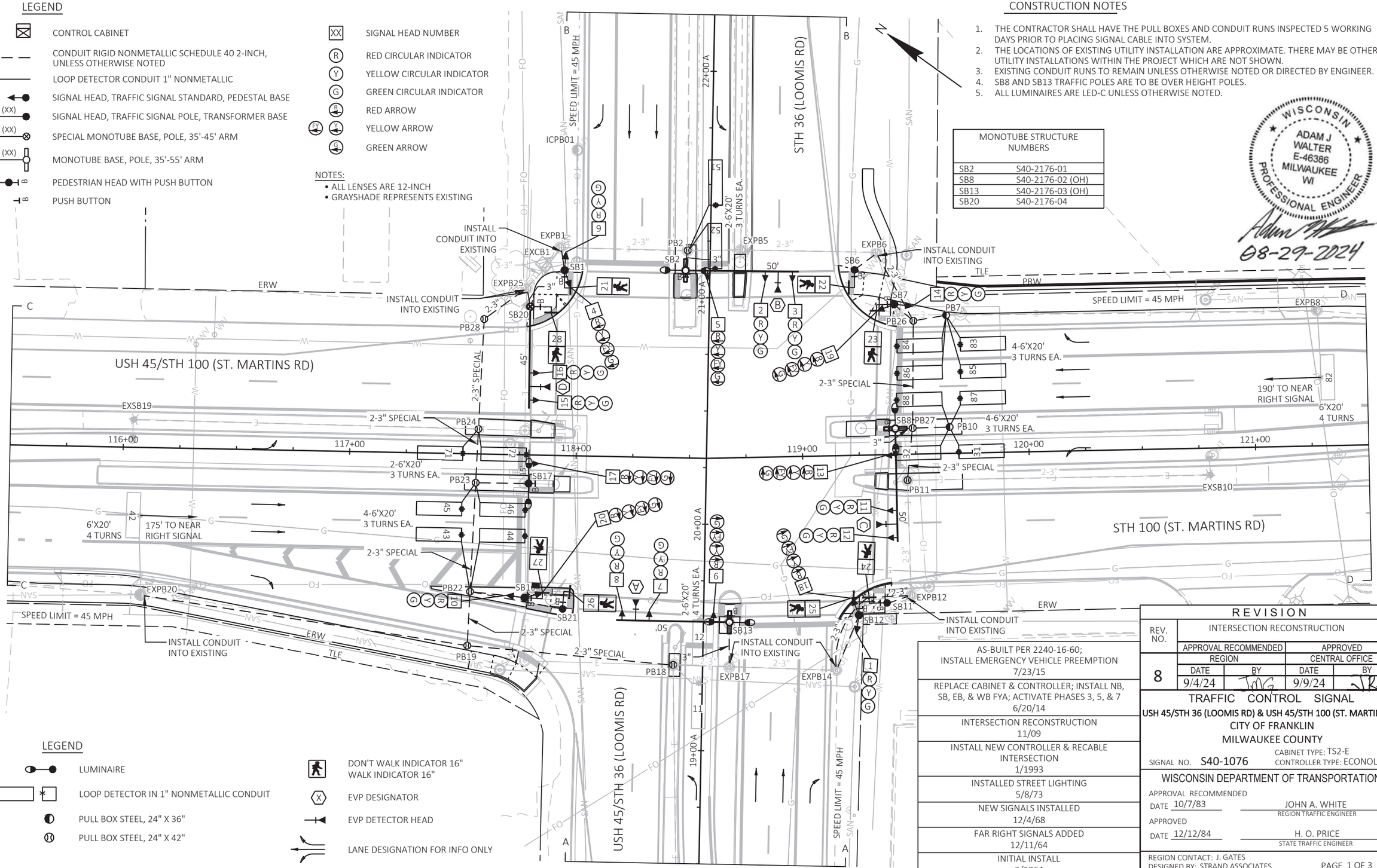
NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM.
2. THE LOCATIONS OF EXISTING UTILITY INSTALLATION ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
3. EXISTING CONDUIT RUNS TO REMAIN UNLESS OTHERWISE NOTED OR DIRECTED BY ENGINEER.
4. SB8 AND SB13 TRAFFIC POLES ARE TO BE OVER HEIGHT POLES.
5. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.

MONOTUBE STRUCTURE NUMBERS	
SB2	S40-2176-01
SB8	S40-2176-02 (OH)
SB13	S40-2176-03 (OH)
SB20	S40-2176-04

WISCONSIN
ADAM J WALTER
E-46386
MILWAUKEE WI
PROFESSIONAL ENGINEER
08-29-2024



LEGEND

- LUMINAIRE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX STEEL, 24" X 36"
- PULL BOX STEEL, 24" X 42"
- DON'T WALK INDICATOR 16" / WALK INDICATOR 16"
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- LANE DESIGNATION FOR INFO ONLY

REVISION				
REV. NO.	INTERSECTION RECONSTRUCTION			
	APPROVAL RECOMMENDED		APPROVED	
	REGION		CENTRAL OFFICE	
8	DATE	BY	DATE	BY
	9/4/24	JMG	9/9/24	JKL

DAS 9/5/24

AS-BUILT PER 2240-16-60; INSTALL EMERGENCY VEHICLE PREEMPTION 7/23/15
REPLACE CABINET & CONTROLLER; INSTALL NB, SB, EB, & WB FYA; ACTIVATE PHASES 3, 5, & 7 6/20/14
INTERSECTION RECONSTRUCTION 11/09
INSTALL NEW CONTROLLER & RECABLE INTERSECTION 1/1993
INSTALLED STREET LIGHTING 5/8/73
NEW SIGNALS INSTALLED 12/4/68
FAR RIGHT SIGNALS ADDED 12/11/64
INITIAL INSTALL 3/1964

TRAFFIC CONTROL SIGNAL

USH 45/STH 36 (LOOMIS RD) & USH 45/STH 100 (ST. MARTINS RD)

CITY OF FRANKLIN

MILWAUKEE COUNTY

SIGNAL NO. S40-1076

CABINET TYPE: TS2-E

CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED

DATE 10/7/83 — JOHN A. WHITE, REGION TRAFFIC ENGINEER

APPROVED

DATE 12/12/84 — H. O. PRICE, STATE TRAFFIC ENGINEER

REGION CONTACT: J. GATES

DESIGNED BY: STRAND ASSOCIATES

REVISED BY:

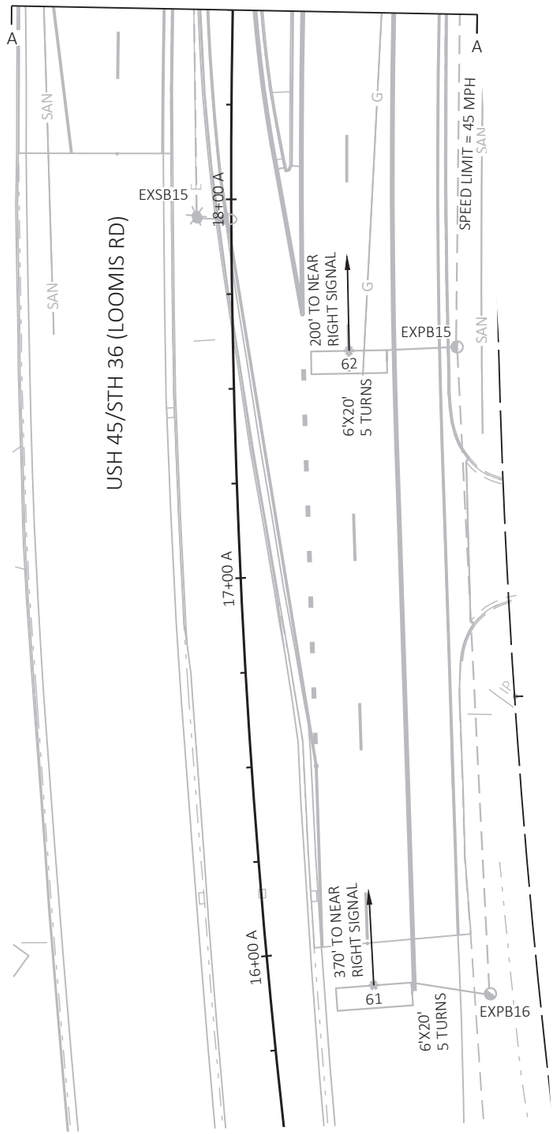
PAGE 1 OF 3

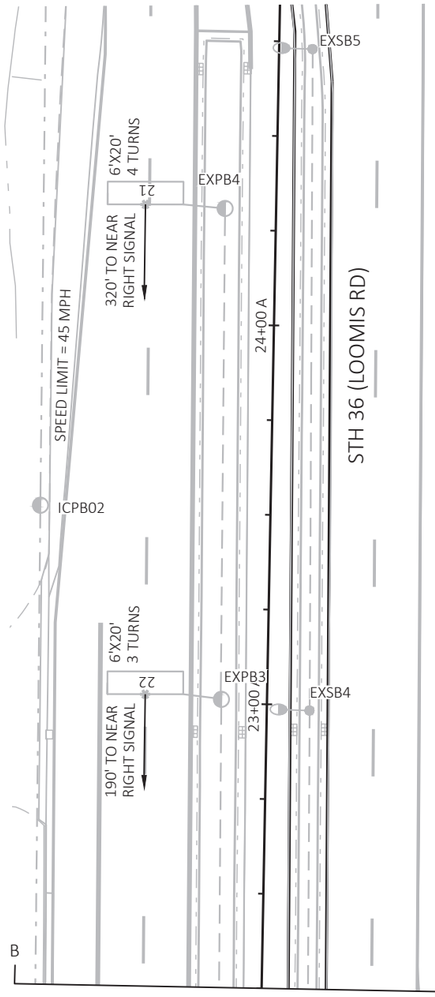
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 189	E

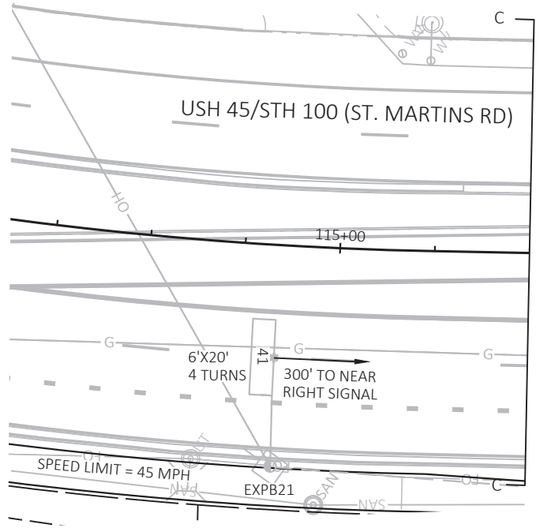
FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - 024201-sp

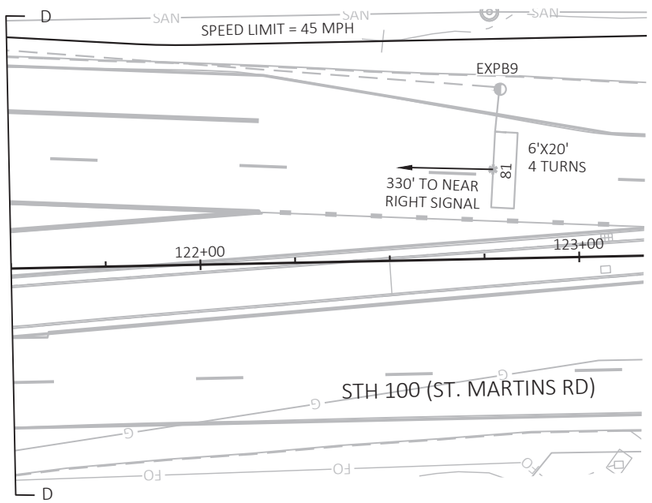
PLOT DATE : 8/29/2024 1:23 PM PLOT BY : WALTER, ADAM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42









N

2

TRAFFIC CONTROL SIGNAL

USH 45/STH 36 (LOOMIS RD) & USH 45/STH 100 (ST. MARTINS RD)

CITY OF FRANKLIN

MILWAUKEE COUNTY

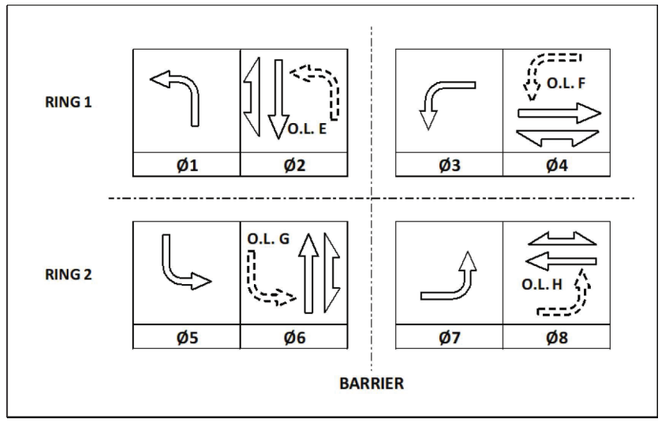
SIGNAL NO. S40-1076

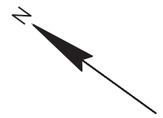
REGION CONTACT: J. GATES
DESIGNED BY: STRAND ASSOCIATES
REVISED BY:

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 190	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - 024202-sp
PLOT DATE : 8/29/2024 1:27 PM
PLOT BY : WALTER, ADAM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

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





CONTROLLER LOGIC

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

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

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

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

TYPE OF COORDINATION	
NONE	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	X
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	11	21	31	41	43	45	51	61	71	81	83	85	87				PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	3	4	4	4	5	6	7	8	8	8	8				CALLED PHASE
CALL OPTION	X	X	X		X	X	X	X	X		X	X	X				CALL OPTION
DELAY TIME											X						DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X	X	X	X				EXTENTION OPTION
EXTEND TIME				X						X							EXTEND TIME
USE ADDED INITIAL		X						X									USE ADDED INITIAL
CROSS SWITCH PHASE	2		4				6		8								CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	12	22	32	42	44	46	52	62	72	82	84	86	88				PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	3	4	4	4	5	6	7	8	8	8	8				CALLED PHASE
CALL OPTION	X	X	X		X	X	X	X	X		X	X	X				CALL OPTION
DELAY TIME											X						DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X	X	X	X				EXTENTION OPTION
EXTEND TIME				X						X							EXTEND TIME
USE ADDED INITIAL		X						X									USE ADDED INITIAL
CROSS SWITCH PHASE	2		4				6		8								CROSS SWITCH PHASE

USH 45/STH 36 (LOOMIS RD) & USH 45/STH 100 (ST. MARTINS RD)
CITY OF FRANKLIN
MILWAUKEE COUNTY

SIGNAL NO: S40-1076 CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE
DATE: 8/1/2024 PAGE NUMBER: 3 OF 3

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - 024203-sp
PLOT DATE : 9/16/2024 9:05 AM PLOT BY : WALTER, ADAM PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

PROJECT ID:	2040-15-73
INTERSECTION:	USH 45/STH 36 (LOOMIS RD) & USH 45/STH 100 (ST. MARTINS RD)

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

CB1 TO	NO. OF CONDUCTORS	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON	OTHER
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING YELLOW>	D/WALK	WALK		
SB1	12	4				RED	ORG	GRN	BLK/WHT				
		6	RED/BLK	ORG/BLK	GRN/BLK								
		21								BLK	BLU		
		B										WHT/BLK	
SB2	12	2	RED	ORG	GRN								
		3	RED	ORG	GRN								
		5				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
		B										WHT/BLK	
SB6	7	22								BLK	BLU		
		B										WHT/BLK	
SB7	12	14	RED/BLK	ORG/BLK	GRN/BLK								
		19				RED	ORG	GRN	BLK/WHT				
		23								BLK	BLU		
		B										WHT/BLK	
SB8	12	11	RED	ORG	GRN								
		12	RED	ORG	GRN								
		13				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
		B										WHT/BLK	
SB11	7	24								BLK	BLU		
		B										WHT/BLK	
SB12	12	1	RED	ORG	GRN								
		18				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
		25								BLK	BLU		
		B										WHT/BLK	
SB13	12	7	RED	ORG	GRN								
		8	RED	ORG	GRN								
		9				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
		B										WHT/BLK	
SB21	7	26								BLK	BLU		
		B										WHT/BLK	
SB16	12	10	RED	ORG	GRN								
		20				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
		27								BLK	BLU		
		B										WHT/BLK	
SB17	12	17				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
		B										WHT/BLK	
SB20	12	15	RED	ORG	GRN								
		16	RED	ORG	GRN								
		28								BLK	BLU		
		B										WHT/BLK	

Equipment grounding conductor 10 AWG Green XLP	
From	TO
EXCB1	SB1
SB1	SB2
SB2	EXSB4
EXSB4	EXSB5
EXSB5	SB6
SB6	SB7
SB7	SB8
SB8	EXSB10
EXSB10	SB11
SB11	SB12
SB12	SB13
SB13	EXSB15
EXSB15	SB21
SB21	SB16
SB16	SB17
SB17	EXSB19
SB17	SB20
SB20	EXCB1

Pull Box Bonding Jumper 10 AWG Green XLP	
From	To
EXPB1	EXCB1
PB2	SB2
EXPB3	SB2
EXPB4	SB2
EXPB5	SB2
EXPB6	SB6
PB26	SB7
PB7	SB7
PB27	SB8
PB11	SB8
EXPB12	SB11
EXPB14	SB12
EXPB17	SB13
PB18	SB13
PB19	SB16
PB22	SB16
PB23	SB17
PB24	SB17
PB28	SB20
EXPB25	EXCB1

Lighting UF 2-10 AWG Grounded	
From	To
EXCB1	SB2
SB2	EXSB5
EXCB1	EXSB4
EXSB4	EXSB10
EXCB1	SB8
EXCB1	SB17
SB17	EXSB15
EXCB1	EXSB19
EXSB19	SB13

EVP CABLE	
From	To
EXCB1	SB2 (HEAD B)
EXCB1	SB8 (HEAD C)
EXCB1	SB13 (HEAD A)
EXCB1	SB20 (HEAD D)

***Use the white conductor in the cable assembly as the grounded conductor for all traffic signal indications**
***Ensure the grounded conductor in the feeder cable and the pole cables are both 18" longer than the ungrounded conductors.**
***At the signal bases, connect one terminal from the pedestrian push buttons to the color indicated in the chart. Connect the other terminal to the grounded conductor.**
***Reconnect the grounding conductors wherever the circuit has been interrupted to ensure the grounding circuit is complete.**

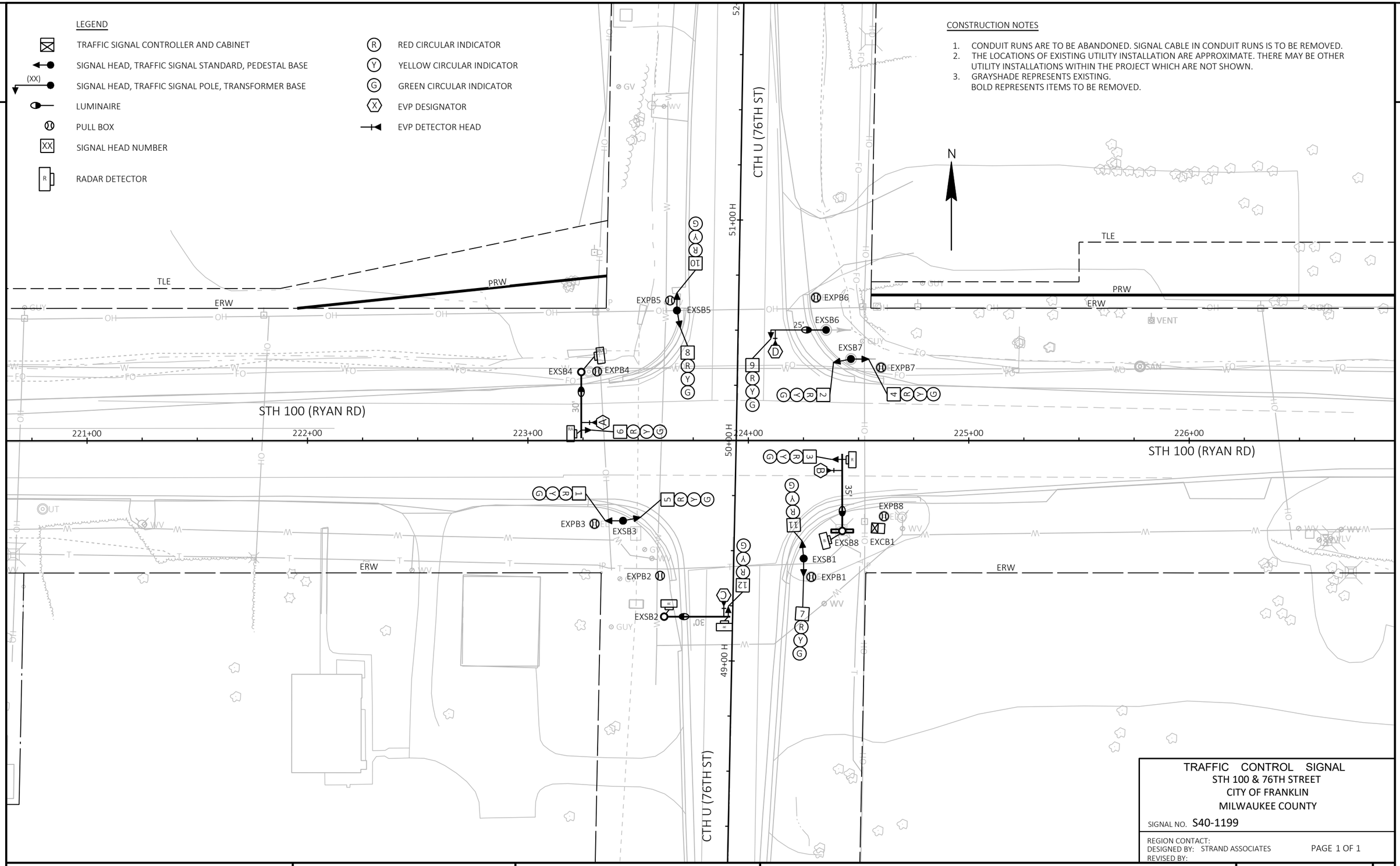
2

LEGEND

- TRAFFIC SIGNAL CONTROLLER AND CABINET
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- LUMINAIRE
- PULL BOX
- XX SIGNAL HEAD NUMBER
- R RADAR DETECTOR
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- X EVP DESIGNATOR
- EVP DETECTOR HEAD

CONSTRUCTION NOTES

1. CONDUIT RUNS ARE TO BE ABANDONED. SIGNAL CABLE IN CONDUIT RUNS IS TO BE REMOVED.
2. THE LOCATIONS OF EXISTING UTILITY INSTALLATION ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
3. GRAYSHADE REPRESENTS EXISTING.
   BOLD REPRESENTS ITEMS TO BE REMOVED.



TRAFFIC CONTROL SIGNAL
STH 100 & 76TH STREET
CITY OF FRANKLIN
MILWAUKEE COUNTY

SIGNAL NO. S40-1199

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES
REVISED BY:

PAGE 1 OF 1

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 193	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\024001-SR.DWG
LAYOUT NAME - 024003-sr

PLOT DATE : 7/29/2024 11:46 AM PLOT BY : WALTER, ADAM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

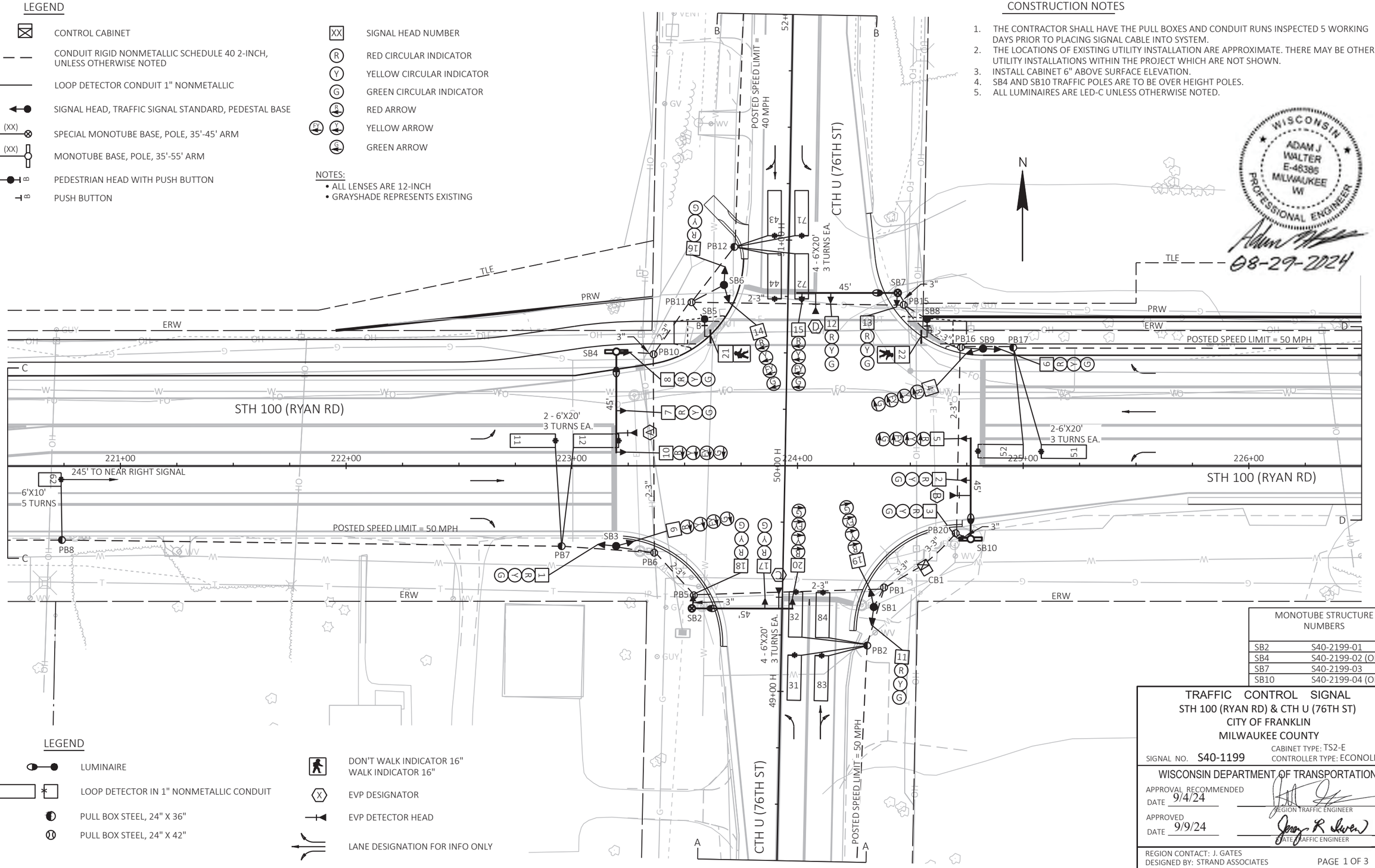
- CONTROL CABINET
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SPECIAL MONOTUBE BASE, POLE, 35'-45' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- B PEDESTRIAN HEAD WITH PUSH BUTTON
- B PUSH BUTTON
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- EY Y YELLOW ARROW
- EG G GREEN ARROW

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM.
2. THE LOCATIONS OF EXISTING UTILITY INSTALLATION ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
3. INSTALL CABINET 6" ABOVE SURFACE ELEVATION.
4. SB4 AND SB10 TRAFFIC POLES ARE TO BE OVER HEIGHT POLES.
5. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.

WISCONSIN
ADAM J WALTER
E-48395
MILWAUKEE
WI
PROFESSIONAL ENGINEER
08-29-2024



LEGEND

- LUMINAIRE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX STEEL, 24" X 36"
- PULL BOX STEEL, 24" X 42"
- DON'T WALK INDICATOR 16" / WALK INDICATOR 16"
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- LANE DESIGNATION FOR INFO ONLY

MONOTUBE STRUCTURE NUMBERS	
SB2	S40-2199-01
SB4	S40-2199-02 (OH)
SB7	S40-2199-03
SB10	S40-2199-04 (OH)

TRAFFIC CONTROL SIGNAL
STH 100 (RYAN RD) & CTH U (76TH ST)
CITY OF FRANKLIN
MILWAUKEE COUNTY

SIGNAL NO. S40-1199
CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE 9/4/24
REGION TRAFFIC ENGINEER

APPROVED
DATE 9/9/24
STATE TRAFFIC ENGINEER

REGION CONTACT: J. GATES
DESIGNED BY: STRAND ASSOCIATES
REVISED BY:

PAGE 1 OF 3

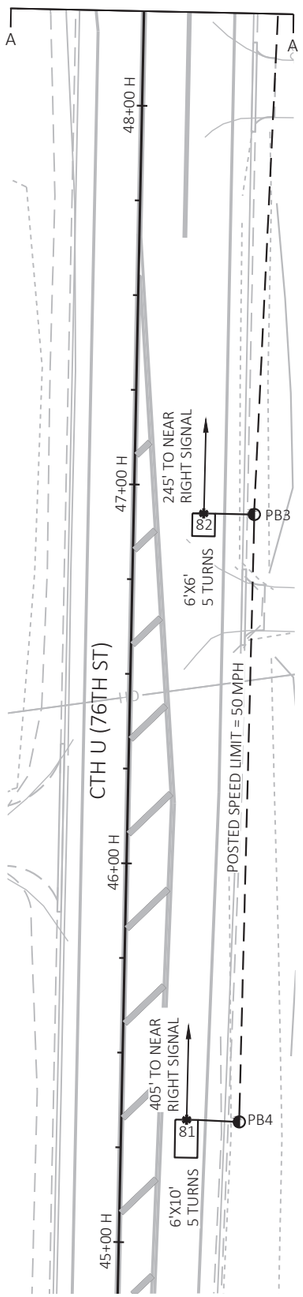
DAB 9/5/24

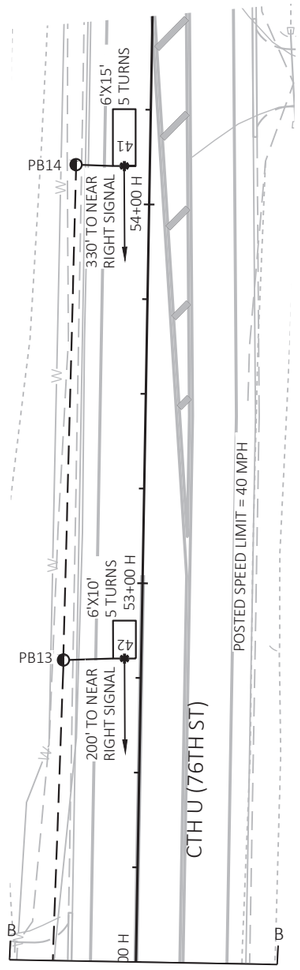
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 194	E

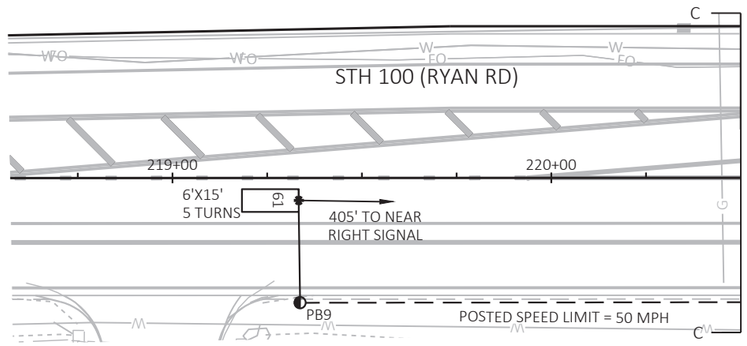
FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - 024205-sp
PLOT DATE : 8/29/2024 1:30 PM
PLOT BY : WALTER, ADAM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

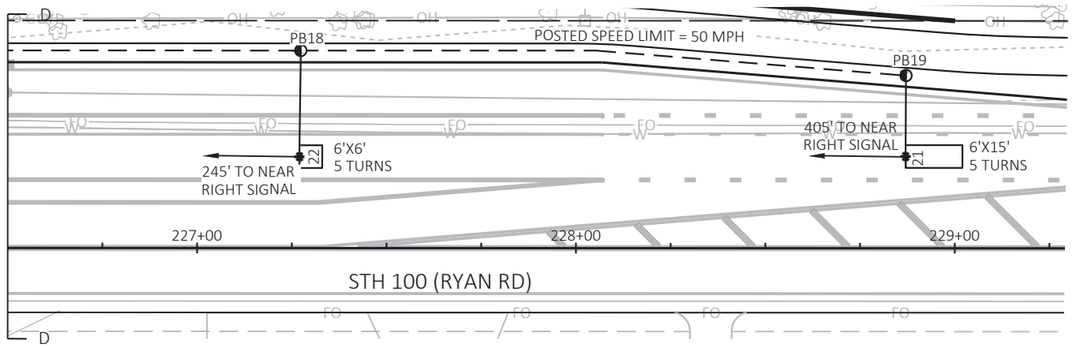
WISDOT/CADDS SHEET 42

2









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TRAFFIC CONTROL SIGNAL
STH 100 (RYAN RD) & CTH U (76TH ST)
CITY OF FRANKLIN
MILWAUKEE COUNTY

SIGNAL NO. S40-1199

REGION CONTACT: J. GATES
DESIGNED BY: STRAND ASSOCIATES
REVISED BY:

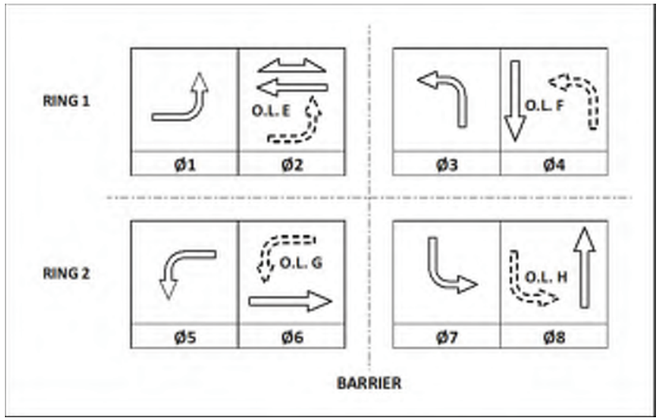
PAGE 2 OF 3

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 195	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - 024206-sp

PLOT DATE : 8/29/2024 1:34 PM PLOT BY : WALTER, ADAM PLOT NAME : PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1	4,5	R
Ø2	6,7,8	R
Ø3	14,15	R
Ø4	16,17,18	R
Ø5	9,10	R
Ø6	1,2,3	R
Ø7	19,20	R
Ø8	11,12,13	R
Ø2P	21,22	
OLE	4,5	-
OLF	14,15	-
OLG	9,10	-
OLH	19,20	-





CONTROLLER LOGIC

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

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

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

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
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	X
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	11	21	31	41	43	51	61	71	81	83							PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	3	4	4	5	6	7	8	8							CALLED PHASE
CALL OPTION	X	X	X		X	X	X	X		X							CALL OPTION
DELAY TIME					X					X							DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X							EXTENTION OPTION
EXTEND TIME				X					X								EXTEND TIME
USE ADDED INITIAL		X					X										USE ADDED INITIAL
CROSS SWITCH PHASE	2		4			6		8									CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	12	22	32	42	44	52	62	72	82	84							PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	3	4	4	5	6	7	8	8							CALLED PHASE
CALL OPTION	X	X	X		X	X	X	X		X							CALL OPTION
DELAY TIME	X		X		X	X		X		X							DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X							EXTENTION OPTION
EXTEND TIME				X					X								EXTEND TIME
USE ADDED INITIAL		X					X										USE ADDED INITIAL
CROSS SWITCH PHASE	2		4			6		8									CROSS SWITCH PHASE

STH 100 (RYAN RD) AND CTH U (76TH ST)
CITY OF FRANKLIN
MILWAUKEE COUNTY

SIGNAL NO: S40-1199 CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE
DATE: 8/1/2024 PAGE NUMBER: 3 OF 3

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - 024207-sp
PLOT DATE : 9/16/2024 9:05 AM PLOT BY : WALTER, ADAM PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

PROJECT ID:	2040-15-73
INTERSECTION:	STH 100 (RYAN RD) & CTH U (76TH ST)

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

CB1 TO	NO. OF CONDUCTORS	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON	OTHER
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING YELLOW>	D/WALK	WALK		
SB1	12	11	RED	ORG	GRN								
		19				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
SB2	12	17	RED	ORG	GRN								
		18	RED	ORG	GRN								
		20				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
SB3	12	1	RED	ORG	GRN								
		9				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
SB4	12	7	RED	ORG	GRN								
		8	RED	ORG	GRN								
		10				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
SB5	7	21								BLK	BLU		
		B										WHT/BLK	
SB6	12	14				RED	ORG	GRN	BLK/WHT				
		16	RED/BLK	ORG/BLK	GRN/BLK								
SB7	12	12	RED	ORG	GRN								
		13	RED	ORG	GRN								
		15				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
SB8	7	22								BLK	BLU		
		B										WHT/BLK	
SB9	12	4				RED	ORG	GRN	BLK/WHT				
		6	RED/BLK	ORG/BLK	GRN/BLK								
SB10	12	2	RED	ORG	GRN								
		3	RED	ORG	GRN								
		5				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				

Equipment grounding conductor 10 AWG Green XLP	
From	To
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	CB1

Pull Box Bonding Jumper 10 AWG Green XLP	
From	To
PB1	SB1
PB5	SB2
PB6	SB3
PB10	SB4
PB11	SB6
PB15	SB7
PB16	SB9
PB20	SB10

Lighting UF 2-10 AWG Grounded	
From	To
CB1	SB2
SB2	SB4
CB1	SB10
SB10	SB7

EVP CABLE	
From	To
CB1	SB2 (HEAD C)
CB1	SB4 (HEAD A)
CB1	SB7 (HEAD D)
CB1	SB10 (HEAD B)

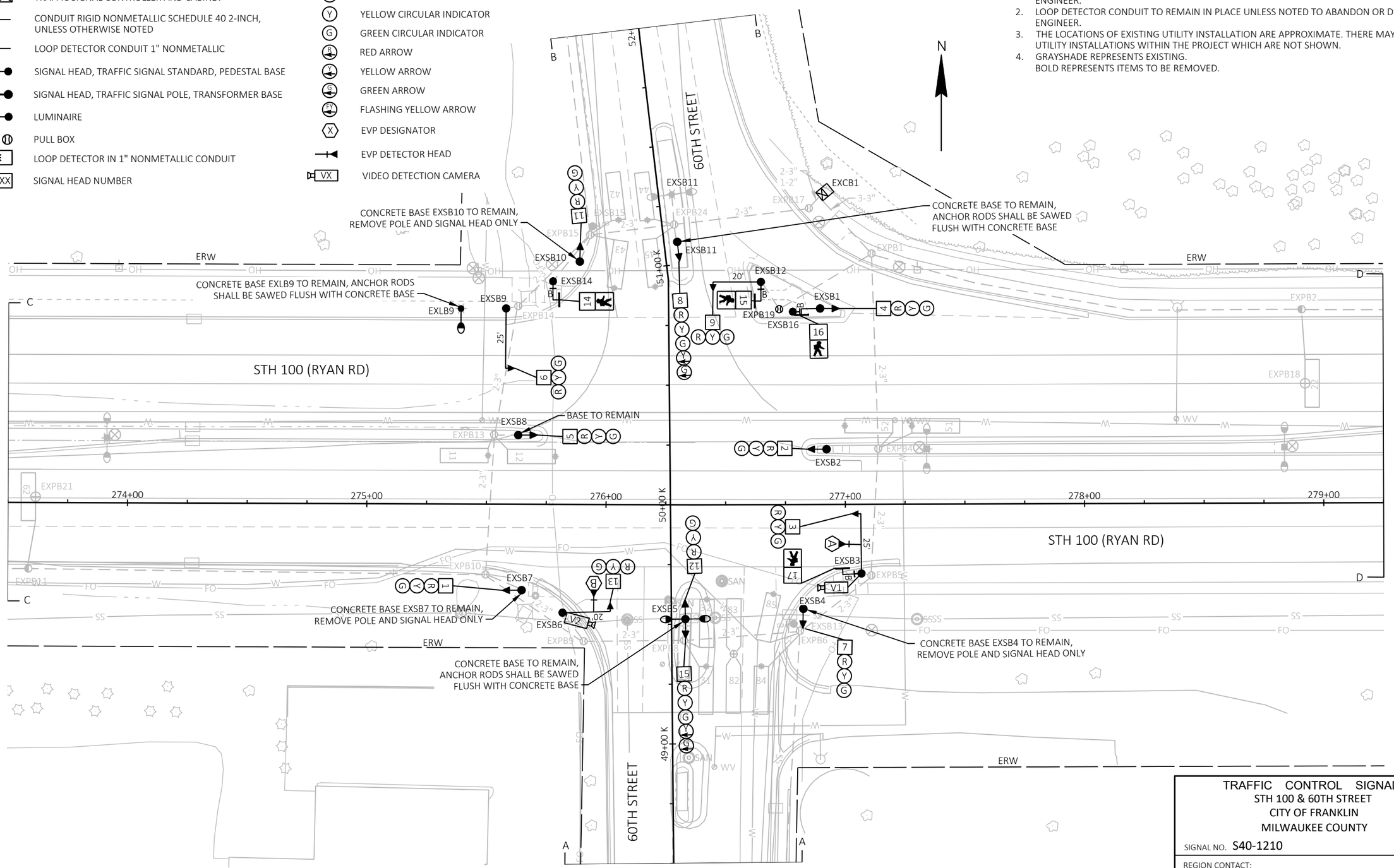
*Use the white conductor in the cable assembly as the grounded conductor for all traffic signal indications
*Ensure the grounded conductor in the feeder cable and the pole cables are both 18" longer than the ungrounded conductors.
*At the signal bases, connect one terminal from the pedestrian push buttons to the color indicated in the chart. Connect the other terminal to the grounded conductor.
*Reconnect the grounding conductors wherever the circuit has been interrupted to ensure the grounding circuit is complete.

LEGEND

- TRAFFIC SIGNAL CONTROLLER AND CABINET
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- LUMINAIRE
- PULL BOX
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RA RED ARROW
- YA YELLOW ARROW
- GA GREEN ARROW
- FY FLASHING YELLOW ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- VX VIDEO DETECTION CAMERA

CONSTRUCTION NOTES

1. EXISTING CONDUIT RUNS ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED OR DIRECTED BY ENGINEER.
2. LOOP DETECTOR CONDUIT TO REMAIN IN PLACE UNLESS NOTED TO ABANDON OR DIRECTED BY ENGINEER.
3. THE LOCATIONS OF EXISTING UTILITY INSTALLATION ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. GRAYSHADE REPRESENTS EXISTING.
   BOLD REPRESENTS ITEMS TO BE REMOVED.



TRAFFIC CONTROL SIGNAL
STH 100 & 60TH STREET
CITY OF FRANKLIN
MILWAUKEE COUNTY

SIGNAL NO. S40-1210

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES
REVISED BY:

PAGE 1 OF 1

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 198	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\024001-SR.DWG
LAYOUT NAME - 024004-sr
PLOT DATE : 7/31/2024 9:36 AM PLOT BY : WALTER, ADAM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

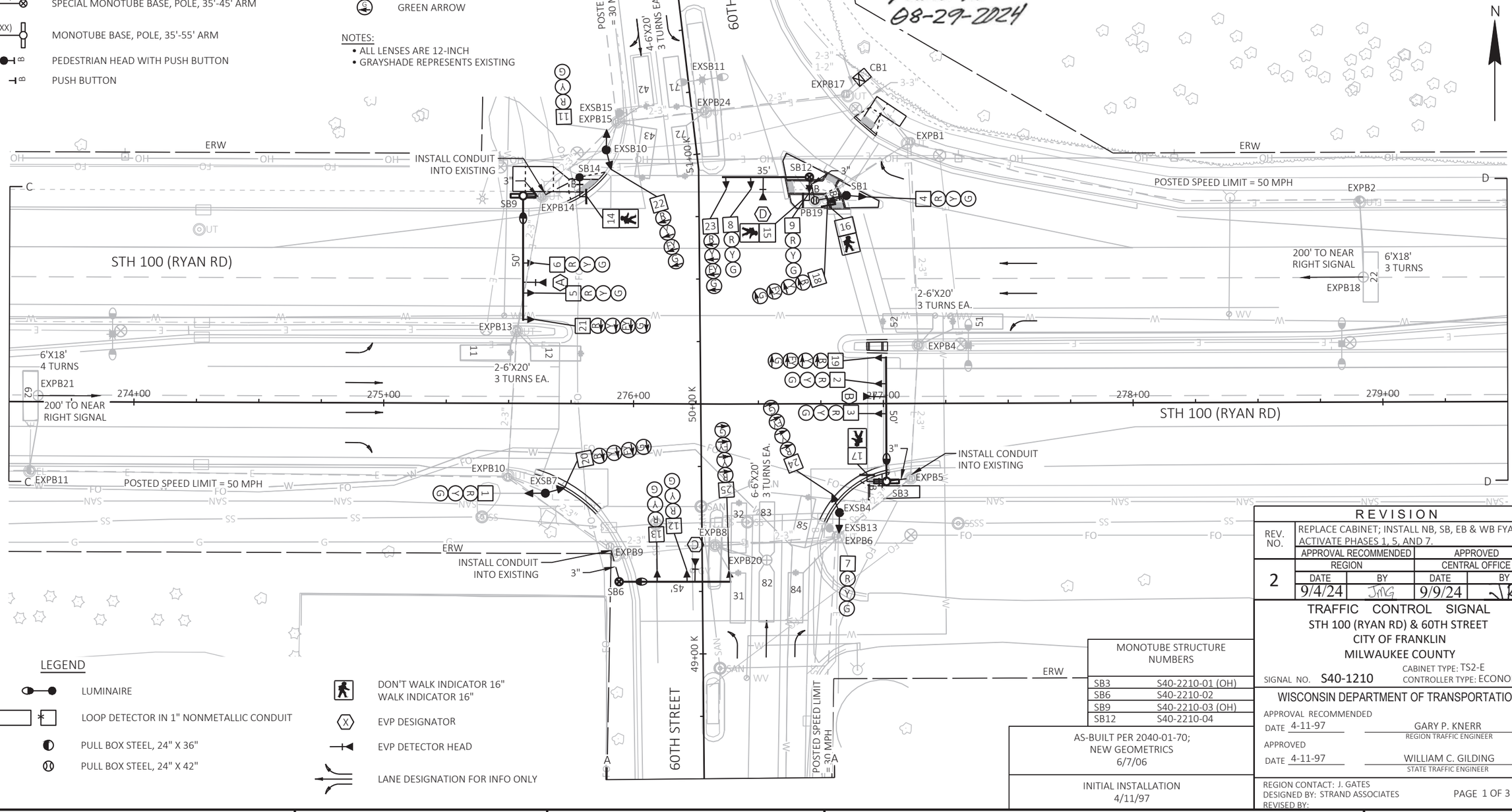
- CONTROL CABINET
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) SPECIAL MONOTUBE BASE, POLE, 35'-45' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- B PEDESTRIAN HEAD WITH PUSH BUTTON
- B PUSH BUTTON
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- FY YELLOW ARROW
- G GREEN ARROW

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

WISCONSIN
ADAM J WALTER E-46386 MILWAUKEE WI
PROFESSIONAL ENGINEER
08-29-2024

CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM.
2. THE LOCATIONS OF EXISTING UTILITY INSTALLATION ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
3. INSTALL CABINET 6" ABOVE SURFACE ELEVATION.
4. EXISTING CONDUIT RUNS TO REMAIN UNLESS OTHERWISE NOTED OR DIRECTED BY ENGINEER.
5. ANCHOR RODS ON CONCRETE BASES TO REMAIN SHALL BE PROTECTED UNTIL PROPOSED PEDESTAL BASES AND TRAFFIC SIGNAL STANDARDS ARE INSTALLED.
6. SB3 AND SB9 TRAFFIC POLES ARE TO BE OVER HEIGHT POLES.
7. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.
8. PLACE POLES FOR EXSB4, EXSB7, AND EXSB10 ON EXISTING CONCRETE BASES.



LEGEND

- LUMINAIRE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX STEEL, 24" X 36"
- PULL BOX STEEL, 24" X 42"
- DON'T WALK INDICATOR 16" / WALK INDICATOR 16"
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- LANE DESIGNATION FOR INFO ONLY

MONOTUBE STRUCTURE NUMBERS	
SB3	S40-2210-01 (OH)
SB6	S40-2210-02
SB9	S40-2210-03 (OH)
SB12	S40-2210-04

AS-BUILT PER 2040-01-70; NEW GEOMETRICS 6/7/06

INITIAL INSTALLATION 4/11/97

REVISION				
REV. NO.	REPLACE CABINET; INSTALL NB, SB, EB & WB FYA; ACTIVATE PHASES 1, 5, AND 7.			
	APPROVAL RECOMMENDED		APPROVED	
2	REGION		CENTRAL OFFICE	
	DATE	BY	DATE	BY
	9/4/24	JMG	9/9/24	

TRAFFIC CONTROL SIGNAL
STH 100 (RYAN RD) & 60TH STREET
CITY OF FRANKLIN
MILWAUKEE COUNTY

SIGNAL NO. S40-1210
CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE 4-11-97 — GARY P. KNERR, REGION TRAFFIC ENGINEER

APPROVED
DATE 4-11-97 — WILLIAM C. GILDING, STATE TRAFFIC ENGINEER

REGION CONTACT: J. GATES
DESIGNED BY: STRAND ASSOCIATES
REVISED BY:

PAGE 1 OF 3

DAR 9/5/24

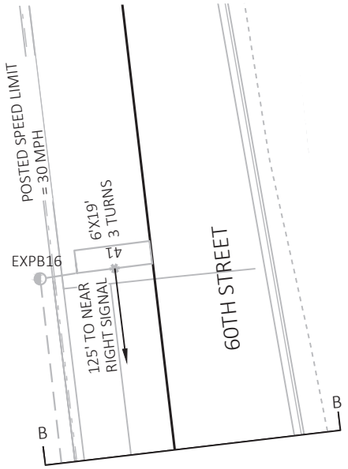
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 199	E

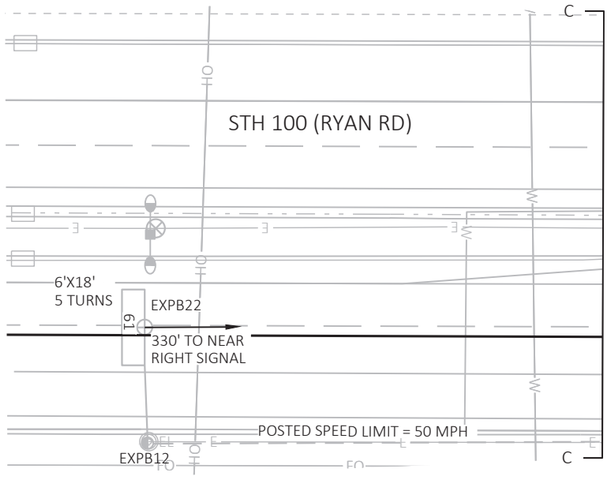
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LAYOUT NAME - 024209-sp
PLOT DATE : 8/29/2024 1:39 PM
PLOT BY : WALTER, ADAM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

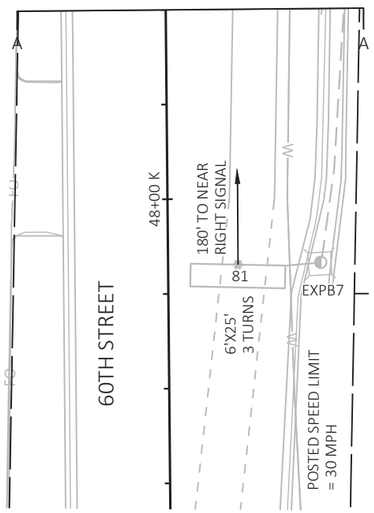
WISDOT/CADDS SHEET 42

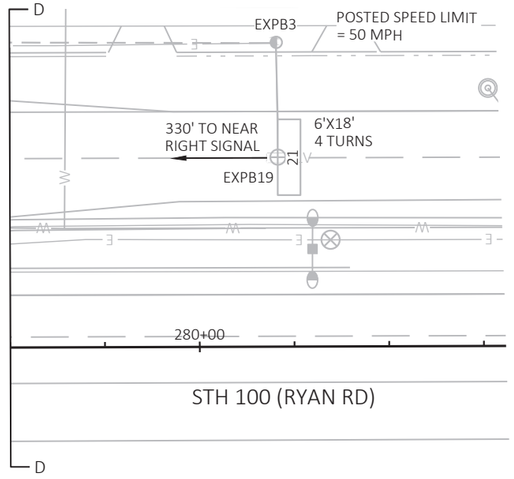
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TRAFFIC CONTROL SIGNAL
STH 100 (RYAN RD) & 60TH STREET
CITY OF FRANKLIN
MILWAUKEE COUNTY

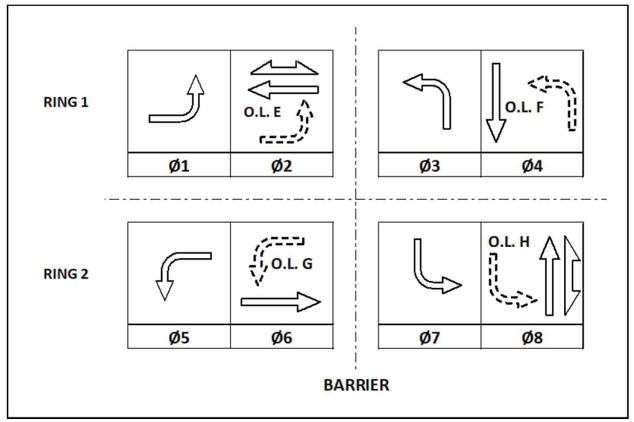
SIGNAL NO. S40-1210

REGION CONTACT: J. GATES
DESIGNED BY: STRAND ASSOCIATES
REVISED BY:

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 200	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - 024210-sp
PLOT DATE : 8/29/2024 1:42 PM
PLOT BY : WALTER, ADAM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

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





CONTROLLER LOGIC

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

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

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

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
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	X
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	11	21	31	41	43	52	62	72
CALLED PHASE	1	2	3	4	3	5	6	7
CALL OPTION	X	X	X		X	X	X	X
DELAY TIME					X			
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME				X				
USE ADDED INITIAL		X					X	
CROSS SWITCH PHASE	2		4			6		8

DETECTOR INPUT	19	17	23	21	27	25	31	29
PLAN LOOP DETECTOR*(S)	82	84						
CALLED PHASE	8	8						
CALL OPTION	X	X						
DELAY TIME		X						
EXTENTION OPTION	X	X						
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	12	22	32	42	51	61	71	81
CALLED PHASE	1	2	3	4	5	6	7	8
CALL OPTION	X	X	X	X	X	X	X	
DELAY TIME				X				
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME								X
USE ADDED INITIAL		X				X		
CROSS SWITCH PHASE	2		4		6		8	

DETECTOR INPUT	20	18	24	22	28	26	32	30
PLAN LOOP DETECTOR*(S)	83	85						
CALLED PHASE	8	8						
CALL OPTION	X	X						
DELAY TIME		X						
EXTENTION OPTION	X	X						
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

GENERAL NOTES:

1. PUSH BUTTONS ON SB13 AND SB15 CALL BIKE MIN GREEN

STH 100 (RYAN RD) AND 60TH STREET
CITY OF FRANKLIN
MILWAUKEE COUNTY

SIGNAL NO: S40-1210 CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE
DATE: 8/1/2024 PAGE NUMBER: 3 OF 3

PROJECT ID:	2040-15-73
INTERSECTION:	STH 100 (RYAN RD) & 60TH STREET

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

CB1 TO	NO. OF CONDUCTORS	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON	OTHER
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING YELLOW>	D/WALK	WALK		
SB1	12	4	RED/BLK	ORG/BLK	GRN/BLK								
		18				RED	ORG	GRN	BLK/WHT				
		16								BLK	BLU		
		B										WHT/BLK	
SB3	12	2	RED	ORG	GRN								
		3	RED	ORG	GRN								
		19				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
		17								BLK	BLU		
		B										WHT/BLK	
SB4	12	7	RED	ORG	GRN								
		24				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
SB13	7	B										WHT/BLK	
SB6	12	12	RED	ORG	GRN								
		13	RED	ORG	GRN								
		25				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
SB7	12	1	RED	ORG	GRN								
		20				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
SB9	12	5	RED	ORG	GRN								
		6	RED	ORG	GRN								
		21				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
SB14	7	14								BLK	BLU		
		B										WHT/BLK	
SB10	12	11	RED/BLK	ORG/BLK	GRN/BLK								
		22				RED	ORG	GRN	BLK/WHT				
SB15	7	B										WHT/BLK	
SB12	12	8	RED	ORG	GRN								
		9	RED	ORG	GRN								
		23				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
		15								BLK	BLU		
		B										WHT/BLK	

Equipment grounding conductor 10 AWG Green XLP	
From	To
CB1	SB1
SB1	SB12
SB12	SB3
SB3	EXSB4
EXSB4	EXSB13
EXSB13	SB6
SB6	EXSB7
EXSB7	SB9
SB9	SB14
SB14	EXSB15
EXSB15	EXSB10
EXSB10	CB1

Pull Box Bonding Jumper 10 AWG Green XLP	
From	To
EXPB1	CB1
PB19	SB1
EXPB4	SB3
EXPB5	SB3
EXPB6	EXSB4
EXPB8	EXSB4
EXPB9	SB6
EXPB10	EXSB7
EXPB13	EXSB7
EXPB14	SB9
EXPB15	EXSB10
EXPB24	CB1
EXPB17	CB1

Lighting UF 2-10 AWG Grounded	
From	To
CB1	SB12
SB12	SB3
SB3	SB6
CB1	EXSB11
EXSB11	SB9

EVP CABLE	
From	To
CB1	SB12 (HEAD D)
CB1	SB3 (HEAD B)
CB1	SB6 (HEAD C)
CB1	SB9 (HEAD A)

*Use the white conductor in the cable assembly as the grounded conductor for all traffic signal indications
*Ensure the grounded conductor in the feeder cable and the pole cables are both 18" longer than the ungrounded conductors.
*At the signal bases, connect one terminal from the pedestrian push buttons to the color indicated in the chart. Connect the other terminal to the grounded conductor.
*Reconnect the grounding conductors wherever the circuit has been interrupted to ensure the grounding circuit is complete.

2



PAVEMENT MARKING LEGEND

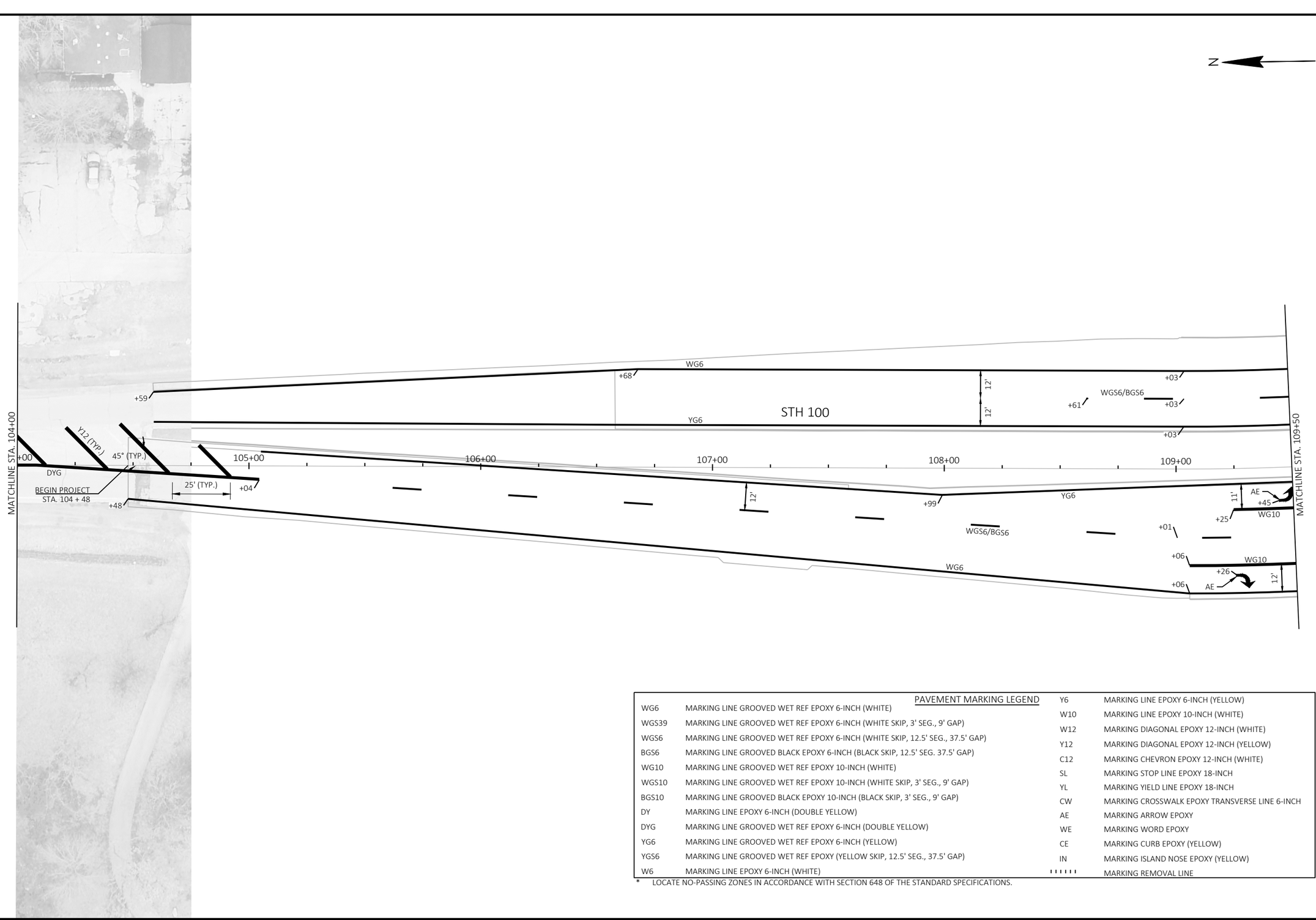
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WGS39	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 3' SEG., 9' GAP)	W10	MARKING LINE EPOXY 10-INCH (WHITE)
WGS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
BGS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (BLACK SKIP, 12.5' SEG. 37.5' GAP)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WG10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	C12	MARKING CHEVRON EPOXY 12-INCH (WHITE)
WGS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
BGS10	MARKING LINE GROOVED BLACK EPOXY 10-INCH (BLACK SKIP, 3' SEG., 9' GAP)	YL	MARKING YIELD LINE EPOXY 18-INCH
DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
DYG	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	AE	MARKING ARROW EPOXY
YG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	WE	MARKING WORD EPOXY
YGS6	MARKING LINE GROOVED WET REF EPOXY (YELLOW SKIP, 12.5' SEG., 37.5' GAP)	CE	MARKING CURB EPOXY (YELLOW)
W6	MARKING LINE EPOXY 6-INCH (WHITE)	IN	MARKING ISLAND NOSE EPOXY (YELLOW)
			MARKING REMOVAL LINE

* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 203	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024501-pm
PLOT DATE : 9/25/2024 11:51 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

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WGS39	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 3' SEG., 9' GAP)	W10	MARKING LINE EPOXY 10-INCH (WHITE)
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BGS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (BLACK SKIP, 12.5' SEG. 37.5' GAP)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WG10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	C12	MARKING CHEVRON EPOXY 12-INCH (WHITE)
WGS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
BGS10	MARKING LINE GROOVED BLACK EPOXY 10-INCH (BLACK SKIP, 3' SEG., 9' GAP)	YL	MARKING YIELD LINE EPOXY 18-INCH
DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
DYG	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	AE	MARKING ARROW EPOXY
YG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	WE	MARKING WORD EPOXY
YGS6	MARKING LINE GROOVED WET REF EPOXY (YELLOW SKIP, 12.5' SEG., 37.5' GAP)	CE	MARKING CURB EPOXY (YELLOW)
W6	MARKING LINE EPOXY 6-INCH (WHITE)	IN	MARKING ISLAND NOSE EPOXY (YELLOW)
		' ' ' ' ' '	MARKING REMOVAL LINE

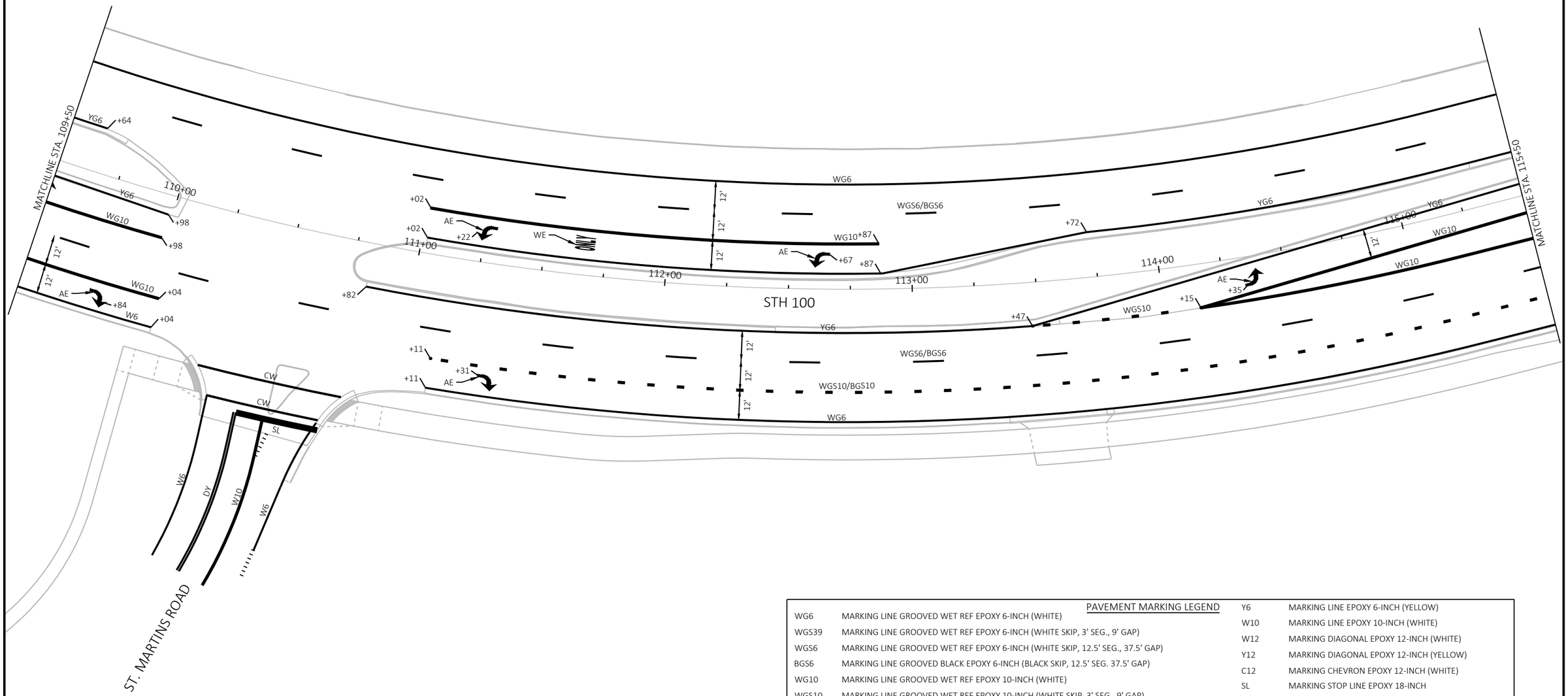
* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 204	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024502-pm

PLOT DATE : 9/25/2024 11:51 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PAVEMENT MARKING LEGEND

WG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y6	MARKING LINE EPOXY 6-INCH (YELLOW)
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WG10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	C12	MARKING CHEVRON EPOXY 12-INCH (WHITE)
WGS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
BGS10	MARKING LINE GROOVED BLACK EPOXY 10-INCH (BLACK SKIP, 3' SEG., 9' GAP)	YL	MARKING YIELD LINE EPOXY 18-INCH
DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
DYG	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	AE	MARKING ARROW EPOXY
YG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	WE	MARKING WORD EPOXY
YGS6	MARKING LINE GROOVED WET REF EPOXY (YELLOW SKIP, 12.5' SEG., 37.5' GAP)	CE	MARKING CURB EPOXY (YELLOW)
W6	MARKING LINE EPOXY 6-INCH (WHITE)	IN	MARKING ISLAND NOSE EPOXY (YELLOW)
		' ' ' ' ' ' '	MARKING REMOVAL LINE

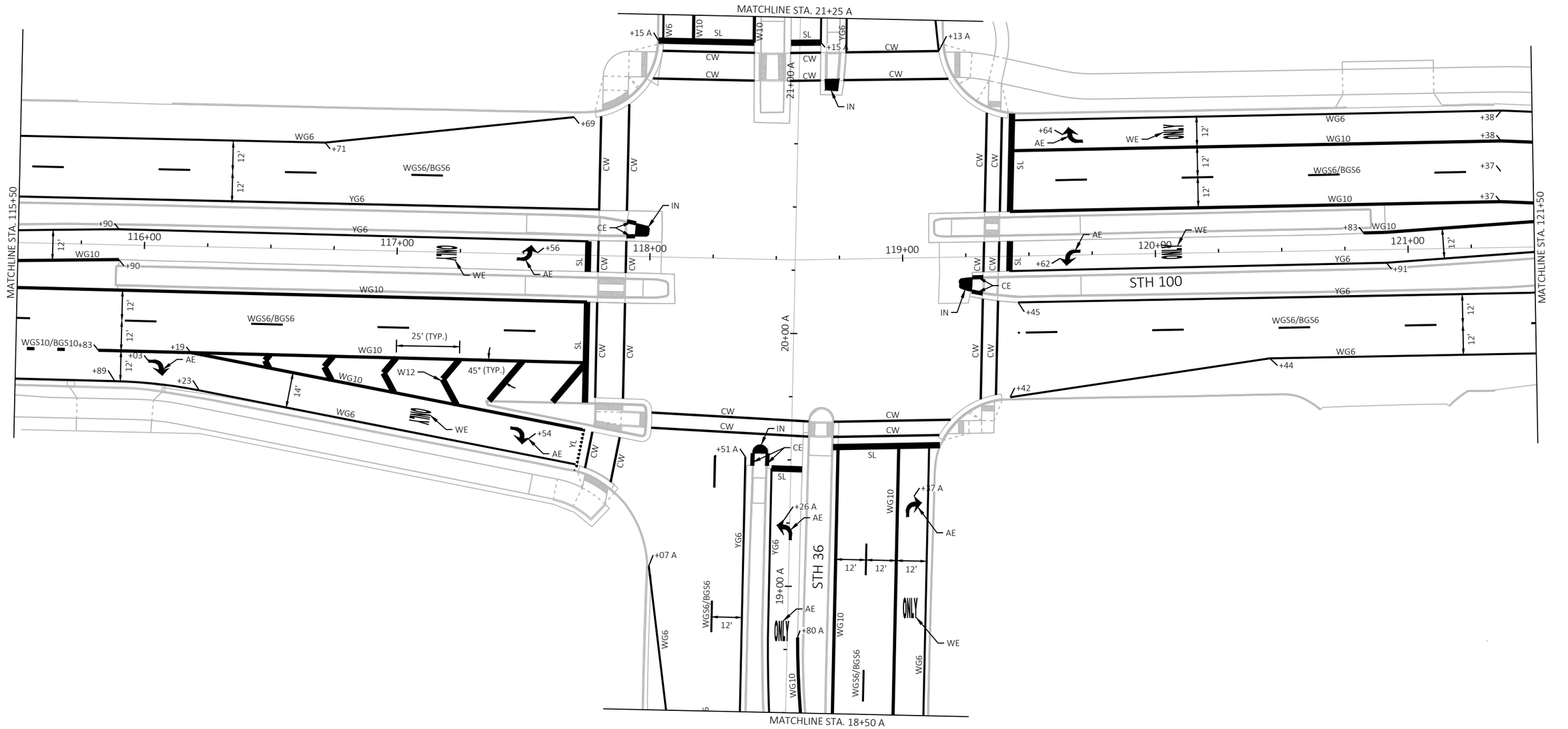
* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

2

PAVEMENT MARKING LEGEND

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* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

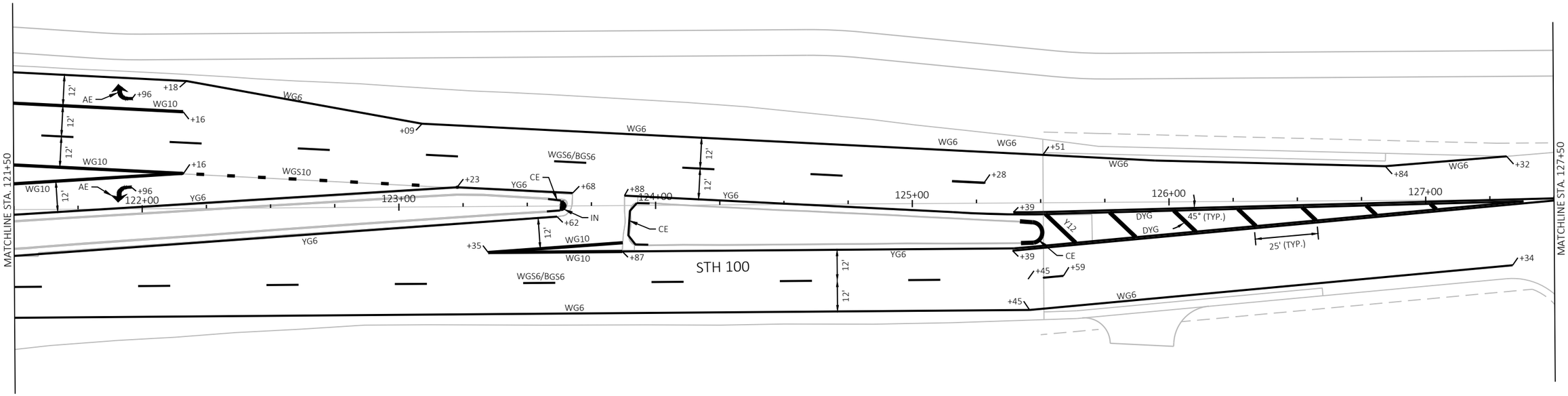


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 206 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024504-pm

PLOT DATE : 9/25/2024 11:52 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



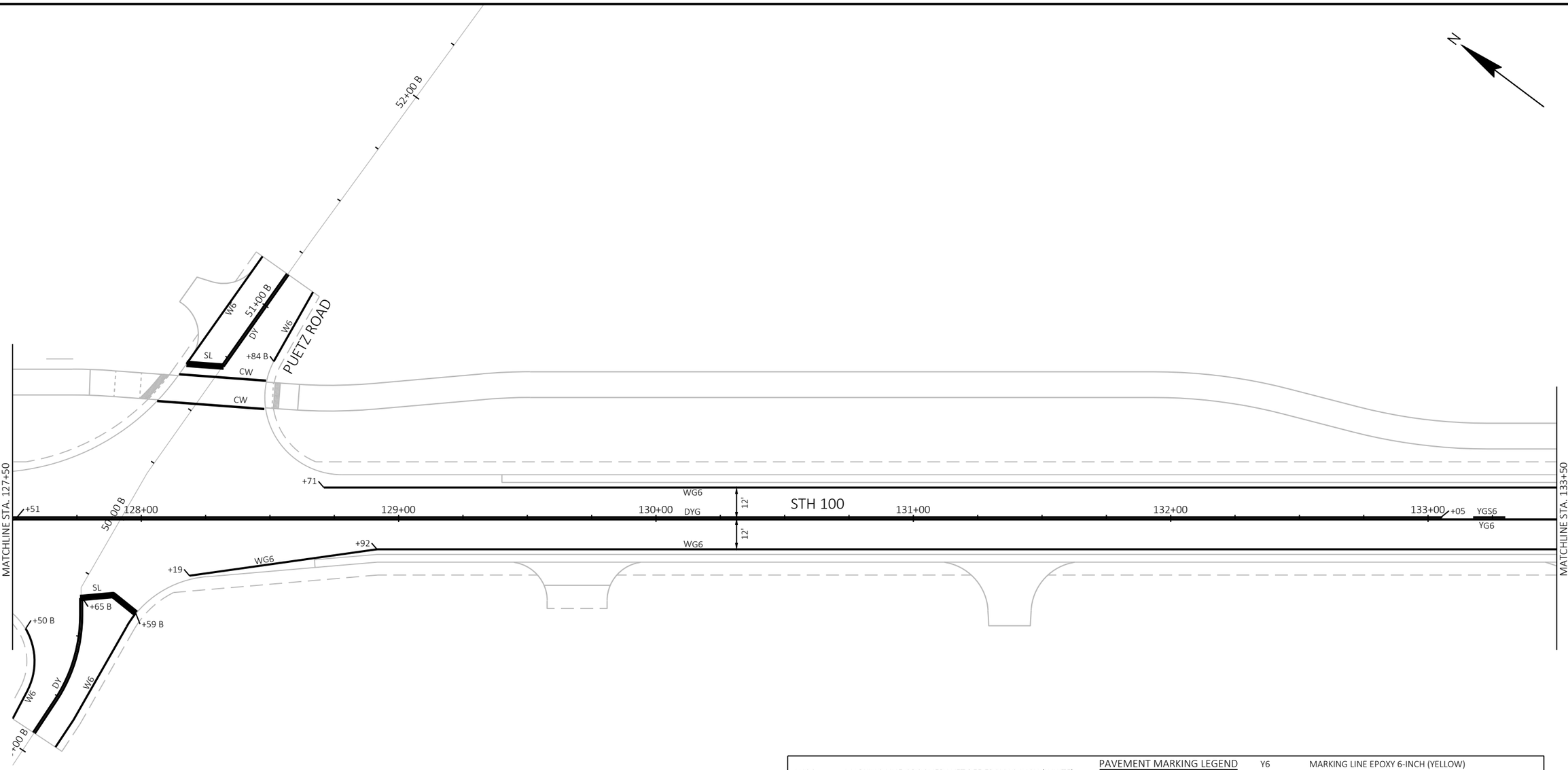
PAVEMENT MARKING LEGEND

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W6	MARKING LINE EPOXY 6-INCH (WHITE)	IN	MARKING ISLAND NOSE EPOXY (YELLOW)
			MARKING REMOVAL LINE

* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 207	E

2



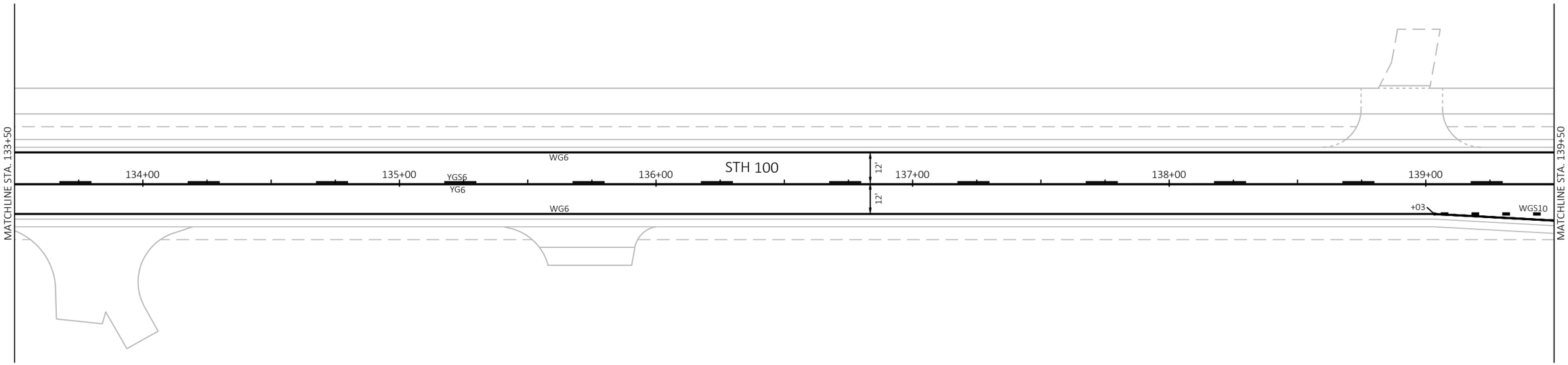
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			MARKING REMOVAL LINE

* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 208	E

2



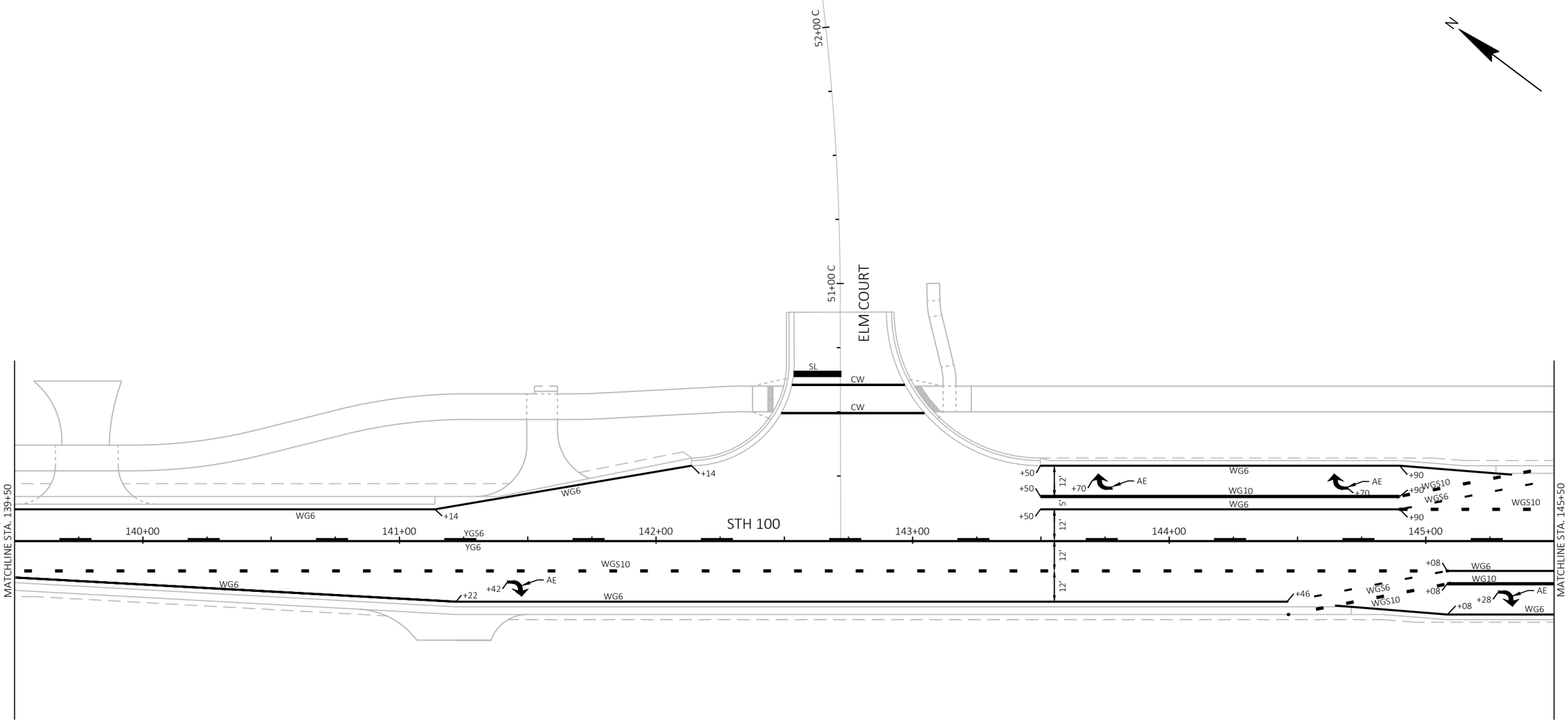
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WGS39	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 3' SEG., 9' GAP)	W10	MARKING LINE EPOXY 10-INCH (WHITE)
WGS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
BGS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (BLACK SKIP, 12.5' SEG. 37.5' GAP)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WG10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	C12	MARKING CHEVRON EPOXY 12-INCH (WHITE)
WGS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
BGS10	MARKING LINE GROOVED BLACK EPOXY 10-INCH (BLACK SKIP, 3' SEG., 9' GAP)	YL	MARKING YIELD LINE EPOXY 18-INCH
DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
DYG	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	AE	MARKING ARROW EPOXY
YG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	WE	MARKING WORD EPOXY
YGS6	MARKING LINE GROOVED WET REF EPOXY (YELLOW SKIP, 12.5' SEG., 37.5' GAP)	CE	MARKING CURB EPOXY (YELLOW)
W6	MARKING LINE EPOXY 6-INCH (WHITE)	IN	MARKING ISLAND NOSE EPOXY (YELLOW)
		, , , , , ,	MARKING REMOVAL LINE

* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 209 E

2



PAVEMENT MARKING LEGEND

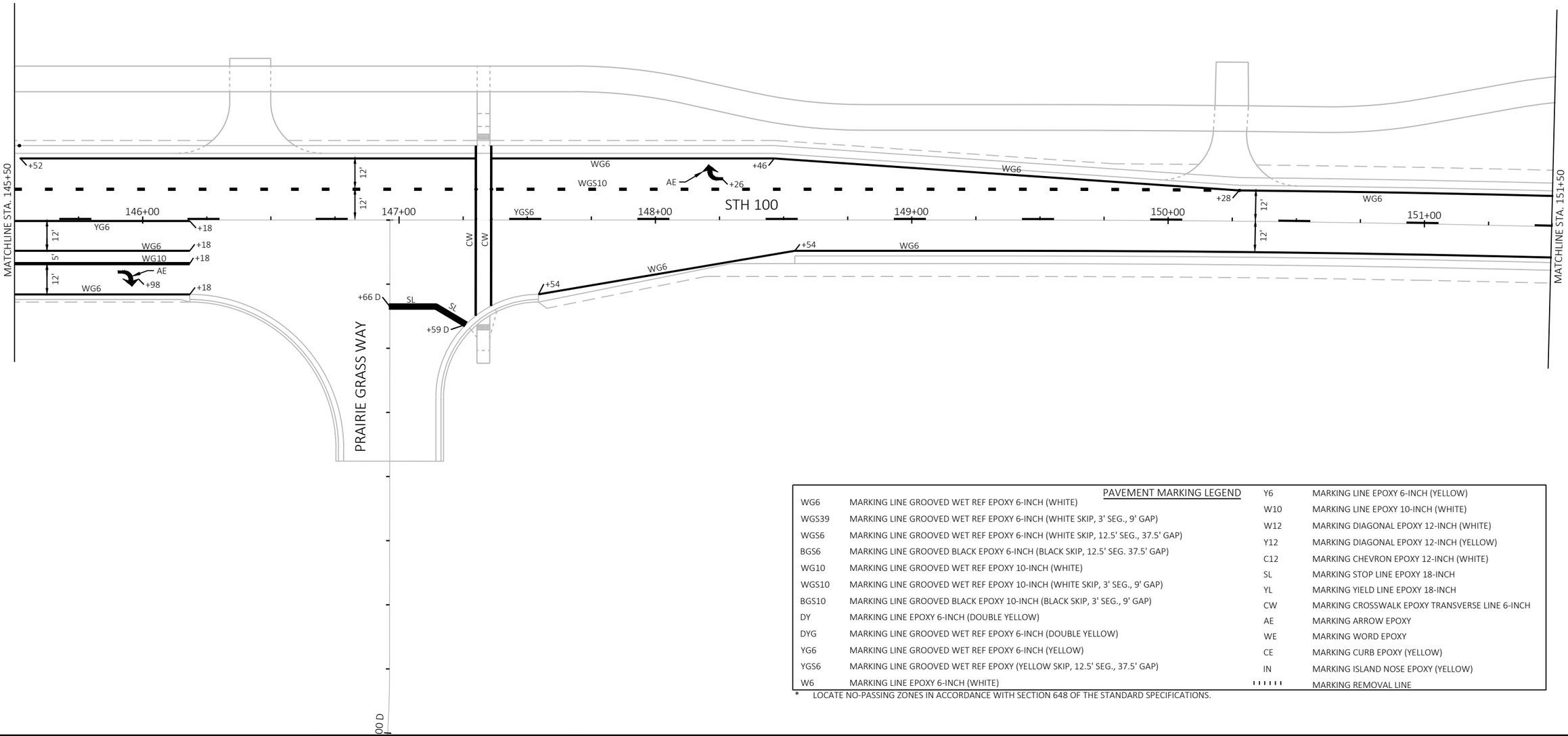
WG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y6	MARKING LINE EPOXY 6-INCH (YELLOW)
WGS39	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 3' SEG., 9' GAP)	W10	MARKING LINE EPOXY 10-INCH (WHITE)
WGS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
BGS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (BLACK SKIP, 12.5' SEG. 37.5' GAP)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WG10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	C12	MARKING CHEVRON EPOXY 12-INCH (WHITE)
WGS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
BGS10	MARKING LINE GROOVED BLACK EPOXY 10-INCH (BLACK SKIP, 3' SEG., 9' GAP)	YL	MARKING YIELD LINE EPOXY 18-INCH
DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
DYG	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	AE	MARKING ARROW EPOXY
YG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	WE	MARKING WORD EPOXY
YGS6	MARKING LINE GROOVED WET REF EPOXY (YELLOW SKIP, 12.5' SEG., 37.5' GAP)	CE	MARKING CURB EPOXY (YELLOW)
W6	MARKING LINE EPOXY 6-INCH (WHITE)	IN	MARKING ISLAND NOSE EPOXY (YELLOW)
			MARKING REMOVAL LINE

* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 210 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024508-pm
PLOT DATE : 9/25/2024 11:52 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

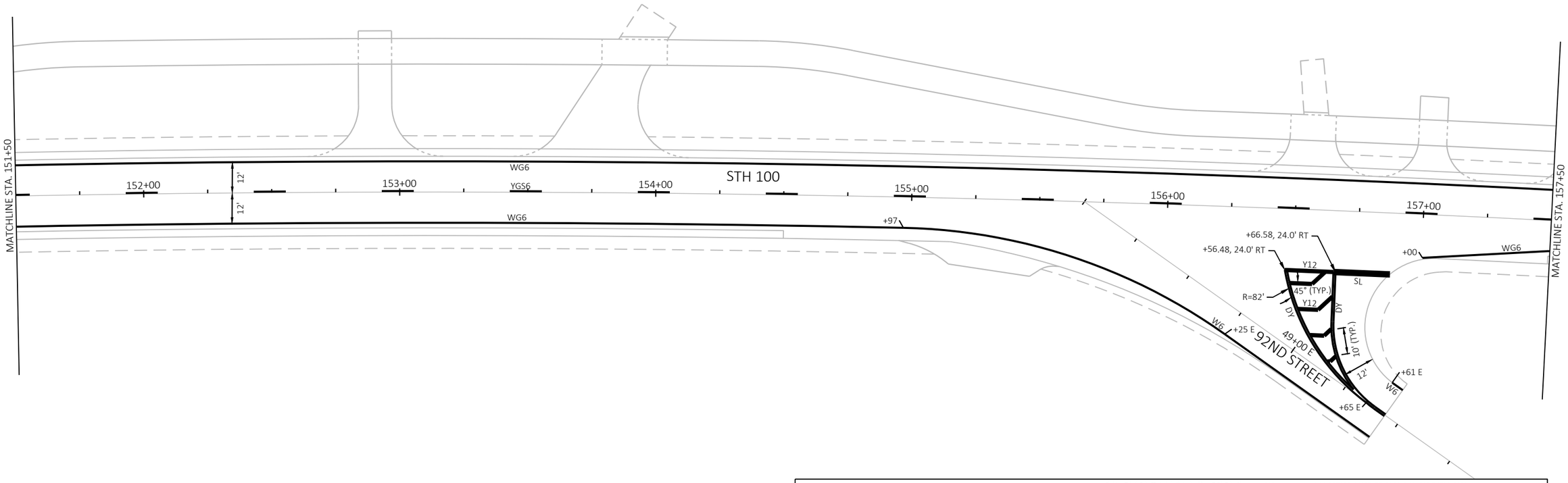
WG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y6	MARKING LINE EPOXY 6-INCH (YELLOW)
WGS39	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 3' SEG., 9' GAP)	W10	MARKING LINE EPOXY 10-INCH (WHITE)
WGS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
BGS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (BLACK SKIP, 12.5' SEG. 37.5' GAP)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WG10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	C12	MARKING CHEVRON EPOXY 12-INCH (WHITE)
WGS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
BGS10	MARKING LINE GROOVED BLACK EPOXY 10-INCH (BLACK SKIP, 3' SEG., 9' GAP)	YL	MARKING YIELD LINE EPOXY 18-INCH
DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
DYG	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	AE	MARKING ARROW EPOXY
YG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	WE	MARKING WORD EPOXY
YGS6	MARKING LINE GROOVED WET REF EPOXY (YELLOW SKIP, 12.5' SEG., 37.5' GAP)	CE	MARKING CURB EPOXY (YELLOW)
W6	MARKING LINE EPOXY 6-INCH (WHITE)	IN	MARKING ISLAND NOSE EPOXY (YELLOW)
			MARKING REMOVAL LINE

* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 211	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024509-pm
PLOT DATE : 9/25/2024 11:52 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

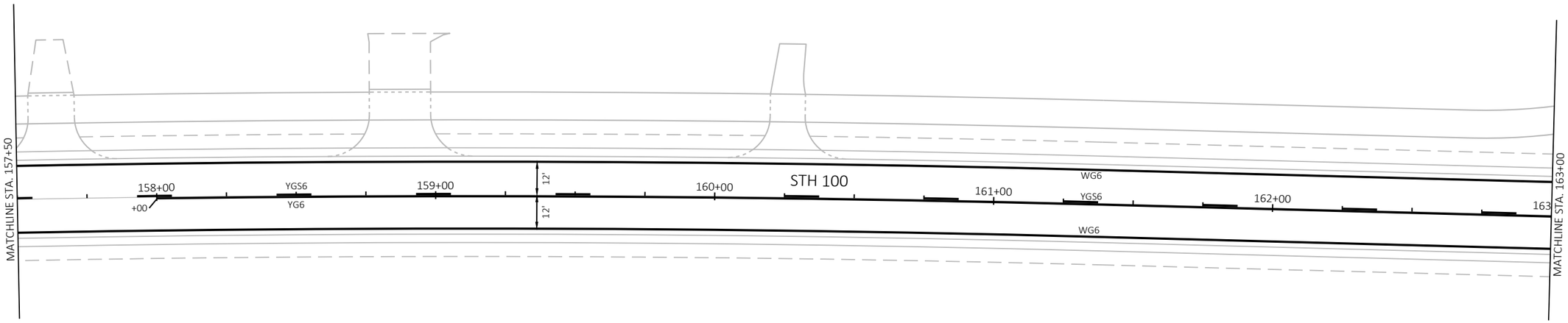
WG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y6	MARKING LINE EPOXY 6-INCH (YELLOW)
WGS39	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 3' SEG., 9' GAP)	W10	MARKING LINE EPOXY 10-INCH (WHITE)
WGS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
BGS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (BLACK SKIP, 12.5' SEG. 37.5' GAP)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WG10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	C12	MARKING CHEVRON EPOXY 12-INCH (WHITE)
WGS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
BGS10	MARKING LINE GROOVED BLACK EPOXY 10-INCH (BLACK SKIP, 3' SEG., 9' GAP)	YL	MARKING YIELD LINE EPOXY 18-INCH
DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
DYG	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	AE	MARKING ARROW EPOXY
YG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	WE	MARKING WORD EPOXY
YGS6	MARKING LINE GROOVED WET REF EPOXY (YELLOW SKIP, 12.5' SEG., 37.5' GAP)	CE	MARKING CURB EPOXY (YELLOW)
W6	MARKING LINE EPOXY 6-INCH (WHITE)	IN	MARKING ISLAND NOSE EPOXY (YELLOW)
			MARKING REMOVAL LINE

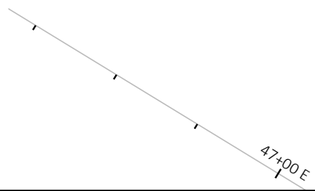
* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 212	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024510-pm
PLOT DATE : 9/25/2024 11:52 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2





PAVEMENT MARKING LEGEND

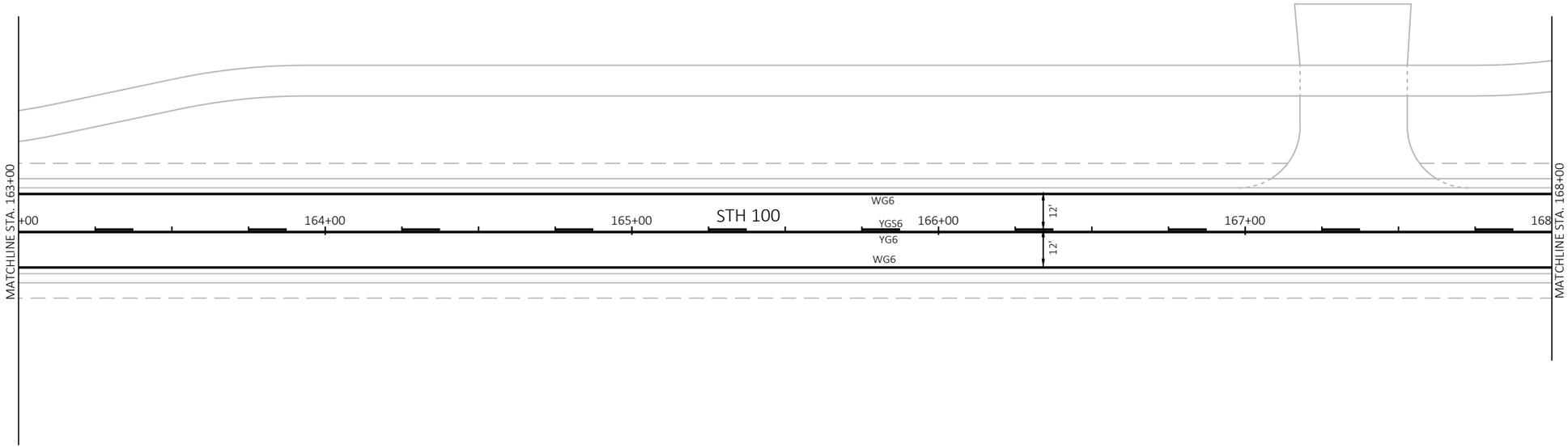
WG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y6	MARKING LINE EPOXY 6-INCH (YELLOW)
WGS39	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 3' SEG., 9' GAP)	W10	MARKING LINE EPOXY 10-INCH (WHITE)
WGS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
BGS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (BLACK SKIP, 12.5' SEG. 37.5' GAP)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WG10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	C12	MARKING CHEVRON EPOXY 12-INCH (WHITE)
WGS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
BGS10	MARKING LINE GROOVED BLACK EPOXY 10-INCH (BLACK SKIP, 3' SEG., 9' GAP)	YL	MARKING YIELD LINE EPOXY 18-INCH
DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
DYG	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	AE	MARKING ARROW EPOXY
YG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	WE	MARKING WORD EPOXY
YGS6	MARKING LINE GROOVED WET REF EPOXY (YELLOW SKIP, 12.5' SEG., 37.5' GAP)	CE	MARKING CURB EPOXY (YELLOW)
W6	MARKING LINE EPOXY 6-INCH (WHITE)	IN	MARKING ISLAND NOSE EPOXY (YELLOW)
			MARKING REMOVAL LINE

* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 213	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024511-pm
PLOT DATE : 9/25/2024 11:52 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

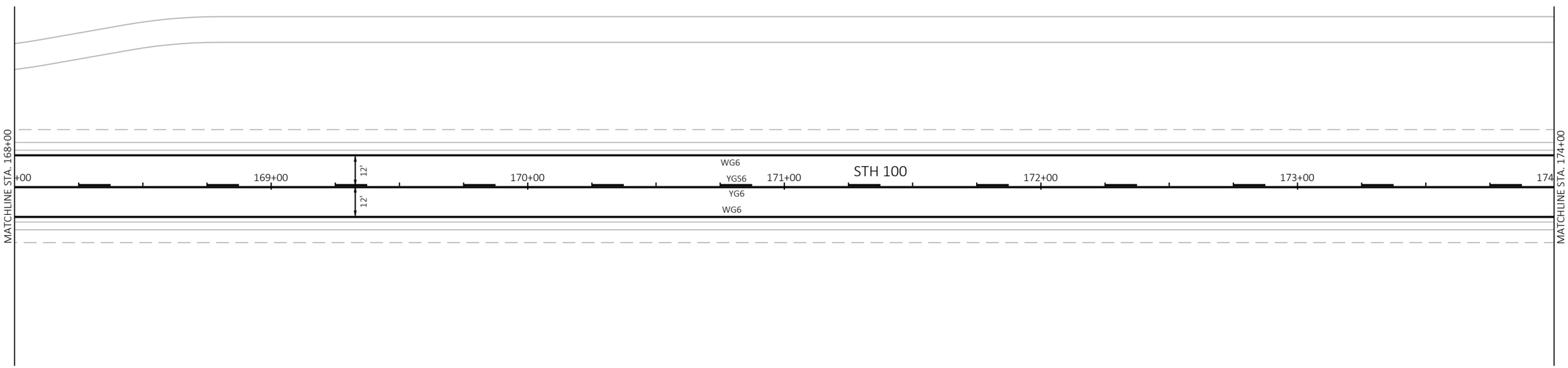


PAVEMENT MARKING LEGEND

WG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y6	MARKING LINE EPOXY 6-INCH (YELLOW)
WGS39	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 3' SEG., 9' GAP)	W10	MARKING LINE EPOXY 10-INCH (WHITE)
WGS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
BGS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (BLACK SKIP, 12.5' SEG. 37.5' GAP)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WG10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	C12	MARKING CHEVRON EPOXY 12-INCH (WHITE)
WGS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
BGS10	MARKING LINE GROOVED BLACK EPOXY 10-INCH (BLACK SKIP, 3' SEG., 9' GAP)	YL	MARKING YIELD LINE EPOXY 18-INCH
DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
DYG	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	AE	MARKING ARROW EPOXY
YG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	WE	MARKING WORD EPOXY
YGS6	MARKING LINE GROOVED WET REF EPOXY (YELLOW SKIP, 12.5' SEG., 37.5' GAP)	CE	MARKING CURB EPOXY (YELLOW)
W6	MARKING LINE EPOXY 6-INCH (WHITE)	IN	MARKING ISLAND NOSE EPOXY (YELLOW)
		' ' ' ' ' '	MARKING REMOVAL LINE

* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

2



PAVEMENT MARKING LEGEND

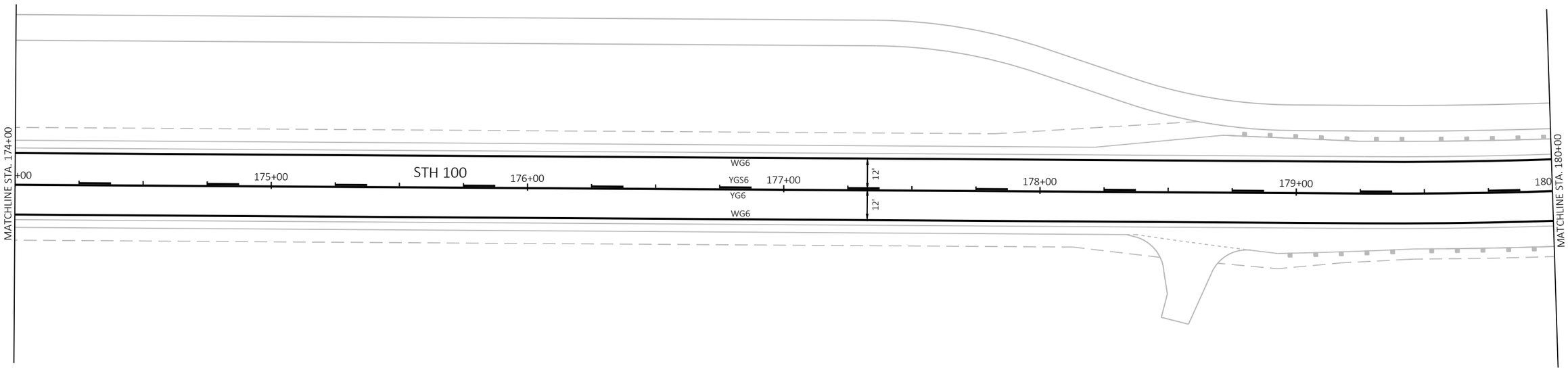
WG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y6	MARKING LINE EPOXY 6-INCH (YELLOW)
WGS39	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 3' SEG., 9' GAP)	W10	MARKING LINE EPOXY 10-INCH (WHITE)
WGS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
BGS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (BLACK SKIP, 12.5' SEG. 37.5' GAP)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WG10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	C12	MARKING CHEVRON EPOXY 12-INCH (WHITE)
WGS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
BGS10	MARKING LINE GROOVED BLACK EPOXY 10-INCH (BLACK SKIP, 3' SEG., 9' GAP)	YL	MARKING YIELD LINE EPOXY 18-INCH
DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
DYG	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	AE	MARKING ARROW EPOXY
YG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	WE	MARKING WORD EPOXY
YGS6	MARKING LINE GROOVED WET REF EPOXY (YELLOW SKIP, 12.5' SEG., 37.5' GAP)	CE	MARKING CURB EPOXY (YELLOW)
W6	MARKING LINE EPOXY 6-INCH (WHITE)	IN	MARKING ISLAND NOSE EPOXY (YELLOW)
		' ' ' ' ' '	MARKING REMOVAL LINE

* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 215	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024513-pm
PLOT DATE : 9/25/2024 11:52 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2



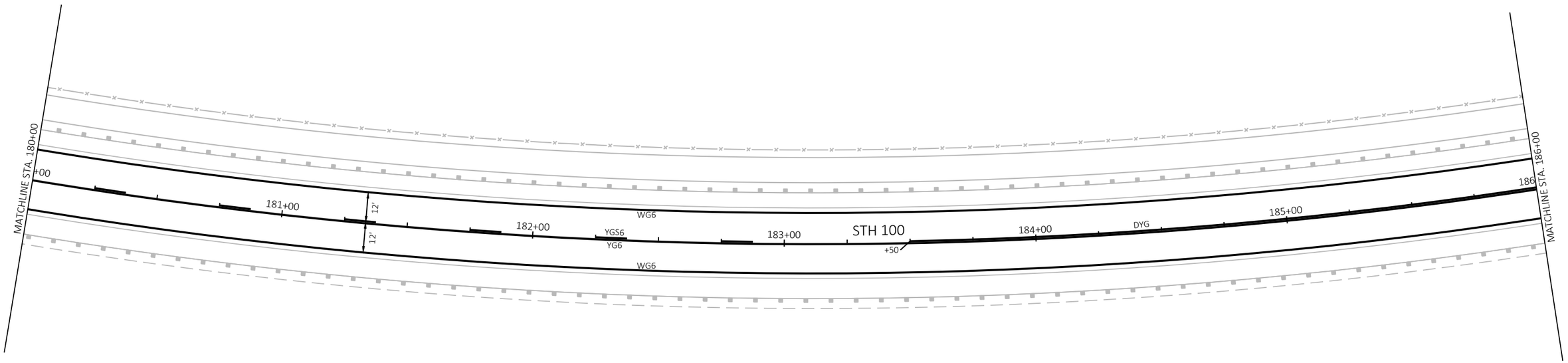
PAVEMENT MARKING LEGEND

WG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y6	MARKING LINE EPOXY 6-INCH (YELLOW)
WGS39	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 3' SEG., 9' GAP)	W10	MARKING LINE EPOXY 10-INCH (WHITE)
WGS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
BGS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (BLACK SKIP, 12.5' SEG. 37.5' GAP)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WG10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	C12	MARKING CHEVRON EPOXY 12-INCH (WHITE)
WGS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
BGS10	MARKING LINE GROOVED BLACK EPOXY 10-INCH (BLACK SKIP, 3' SEG., 9' GAP)	YL	MARKING YIELD LINE EPOXY 18-INCH
DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
DYG	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	AE	MARKING ARROW EPOXY
YG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	WE	MARKING WORD EPOXY
YGS6	MARKING LINE GROOVED WET REF EPOXY (YELLOW SKIP, 12.5' SEG., 37.5' GAP)	CE	MARKING CURB EPOXY (YELLOW)
W6	MARKING LINE EPOXY 6-INCH (WHITE)	IN	MARKING ISLAND NOSE EPOXY (YELLOW)
			MARKING REMOVAL LINE

* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 216	E

2



PAVEMENT MARKING LEGEND

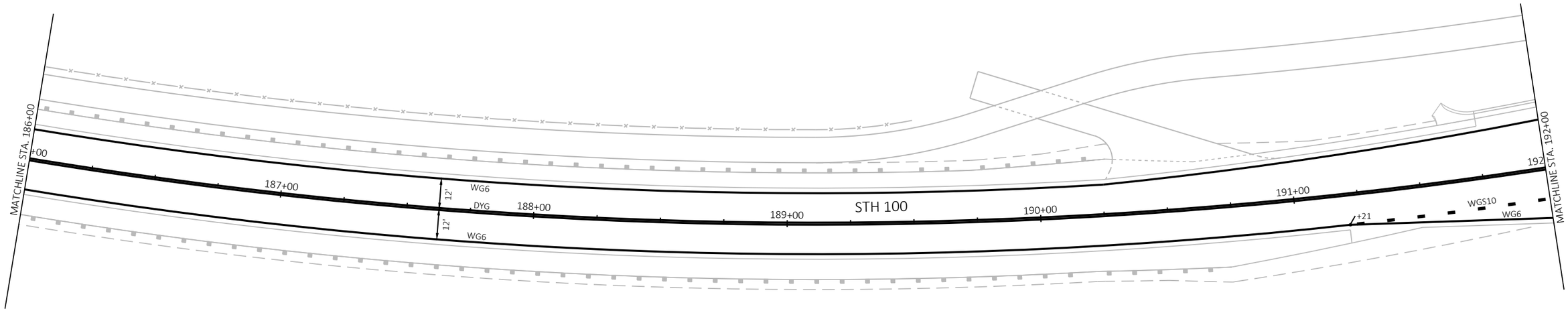
WG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y6	MARKING LINE EPOXY 6-INCH (YELLOW)
WGS39	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 3' SEG., 9' GAP)	W10	MARKING LINE EPOXY 10-INCH (WHITE)
WGS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
BGS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (BLACK SKIP, 12.5' SEG. 37.5' GAP)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WG10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	C12	MARKING CHEVRON EPOXY 12-INCH (WHITE)
WGS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
BGS10	MARKING LINE GROOVED BLACK EPOXY 10-INCH (BLACK SKIP, 3' SEG., 9' GAP)	YL	MARKING YIELD LINE EPOXY 18-INCH
DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
DYG	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	AE	MARKING ARROW EPOXY
YG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	WE	MARKING WORD EPOXY
YGS6	MARKING LINE GROOVED WET REF EPOXY (YELLOW SKIP, 12.5' SEG., 37.5' GAP)	CE	MARKING CURB EPOXY (YELLOW)
W6	MARKING LINE EPOXY 6-INCH (WHITE)	IN	MARKING ISLAND NOSE EPOXY (YELLOW)
		' ' ' ' ' '	MARKING REMOVAL LINE

* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 217	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024515-pm
PLOT DATE : 9/25/2024 11:52 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

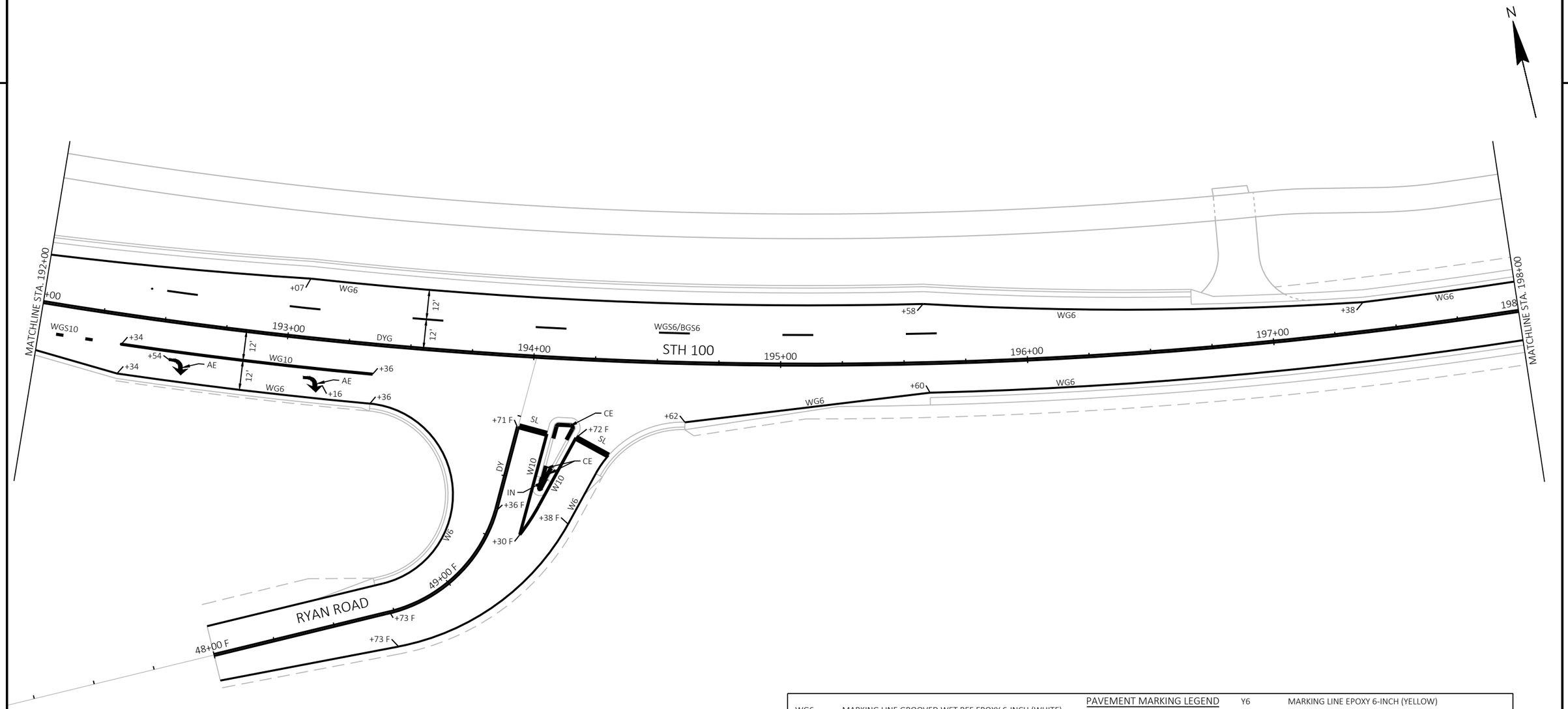


PAVEMENT MARKING LEGEND

WG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y6	MARKING LINE EPOXY 6-INCH (YELLOW)
WGS39	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 3' SEG., 9' GAP)	W10	MARKING LINE EPOXY 10-INCH (WHITE)
WGS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
BGS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (BLACK SKIP, 12.5' SEG. 37.5' GAP)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WG10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	C12	MARKING CHEVRON EPOXY 12-INCH (WHITE)
WGS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
BGS10	MARKING LINE GROOVED BLACK EPOXY 10-INCH (BLACK SKIP, 3' SEG., 9' GAP)	YL	MARKING YIELD LINE EPOXY 18-INCH
DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
DYG	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	AE	MARKING ARROW EPOXY
YG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	WE	MARKING WORD EPOXY
YGS6	MARKING LINE GROOVED WET REF EPOXY (YELLOW SKIP, 12.5' SEG., 37.5' GAP)	CE	MARKING CURB EPOXY (YELLOW)
W6	MARKING LINE EPOXY 6-INCH (WHITE)	IN	MARKING ISLAND NOSE EPOXY (YELLOW)
		' ' ' ' ' '	MARKING REMOVAL LINE

* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

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PAVEMENT MARKING LEGEND

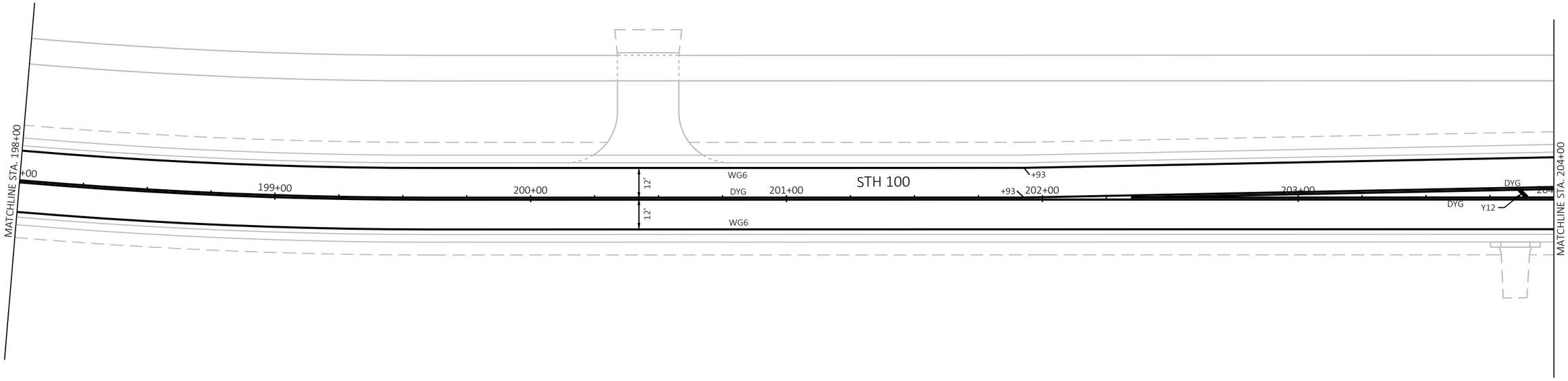
WG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y6	MARKING LINE EPOXY 6-INCH (YELLOW)
WGS39	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 3' SEG., 9' GAP)	W10	MARKING LINE EPOXY 10-INCH (WHITE)
WGS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
BGS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (BLACK SKIP, 12.5' SEG. 37.5' GAP)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WG10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	C12	MARKING CHEVRON EPOXY 12-INCH (WHITE)
WGS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
BGS10	MARKING LINE GROOVED BLACK EPOXY 10-INCH (BLACK SKIP, 3' SEG., 9' GAP)	YL	MARKING YIELD LINE EPOXY 18-INCH
DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
DYG	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	AE	MARKING ARROW EPOXY
YG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	WE	MARKING WORD EPOXY
YGS6	MARKING LINE GROOVED WET REF EPOXY (YELLOW SKIP, 12.5' SEG., 37.5' GAP)	CE	MARKING CURB EPOXY (YELLOW)
W6	MARKING LINE EPOXY 6-INCH (WHITE)	IN	MARKING ISLAND NOSE EPOXY (YELLOW)
		' ' ' ' ' '	MARKING REMOVAL LINE

* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 219	E

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N



PAVEMENT MARKING LEGEND

WG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y6	MARKING LINE EPOXY 6-INCH (YELLOW)
WGS39	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 3' SEG., 9' GAP)	W10	MARKING LINE EPOXY 10-INCH (WHITE)
WGS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
BGS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (BLACK SKIP, 12.5' SEG. 37.5' GAP)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WG10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	C12	MARKING CHEVRON EPOXY 12-INCH (WHITE)
WGS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
BGS10	MARKING LINE GROOVED BLACK EPOXY 10-INCH (BLACK SKIP, 3' SEG., 9' GAP)	YL	MARKING YIELD LINE EPOXY 18-INCH
DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
DYG	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	AE	MARKING ARROW EPOXY
YG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	WE	MARKING WORD EPOXY
YGS6	MARKING LINE GROOVED WET REF EPOXY (YELLOW SKIP, 12.5' SEG., 37.5' GAP)	CE	MARKING CURB EPOXY (YELLOW)
W6	MARKING LINE EPOXY 6-INCH (WHITE)	IN	MARKING ISLAND NOSE EPOXY (YELLOW)
		' ' ' ' ' '	MARKING REMOVAL LINE

* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

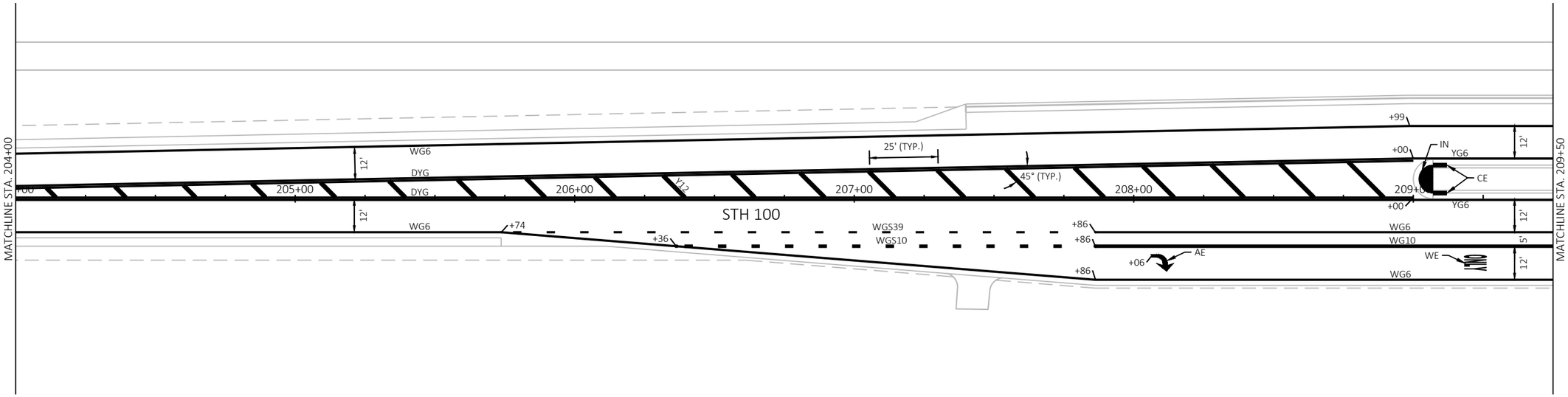
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 220	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024518-pm

PLOT DATE : 9/25/2024 11:53 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : ##########

2

N



PAVEMENT MARKING LEGEND

WG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y6	MARKING LINE EPOXY 6-INCH (YELLOW)
WGS39	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 3' SEG., 9' GAP)	W10	MARKING LINE EPOXY 10-INCH (WHITE)
WGS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
BGS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (BLACK SKIP, 12.5' SEG. 37.5' GAP)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WG10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	C12	MARKING CHEVRON EPOXY 12-INCH (WHITE)
WGS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
BGS10	MARKING LINE GROOVED BLACK EPOXY 10-INCH (BLACK SKIP, 3' SEG., 9' GAP)	YL	MARKING YIELD LINE EPOXY 18-INCH
DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
DYG	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	AE	MARKING ARROW EPOXY
YG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	WE	MARKING WORD EPOXY
YGS6	MARKING LINE GROOVED WET REF EPOXY (YELLOW SKIP, 12.5' SEG., 37.5' GAP)	CE	MARKING CURB EPOXY (YELLOW)
W6	MARKING LINE EPOXY 6-INCH (WHITE)	IN	MARKING ISLAND NOSE EPOXY (YELLOW)
		' ' ' ' ' '	MARKING REMOVAL LINE

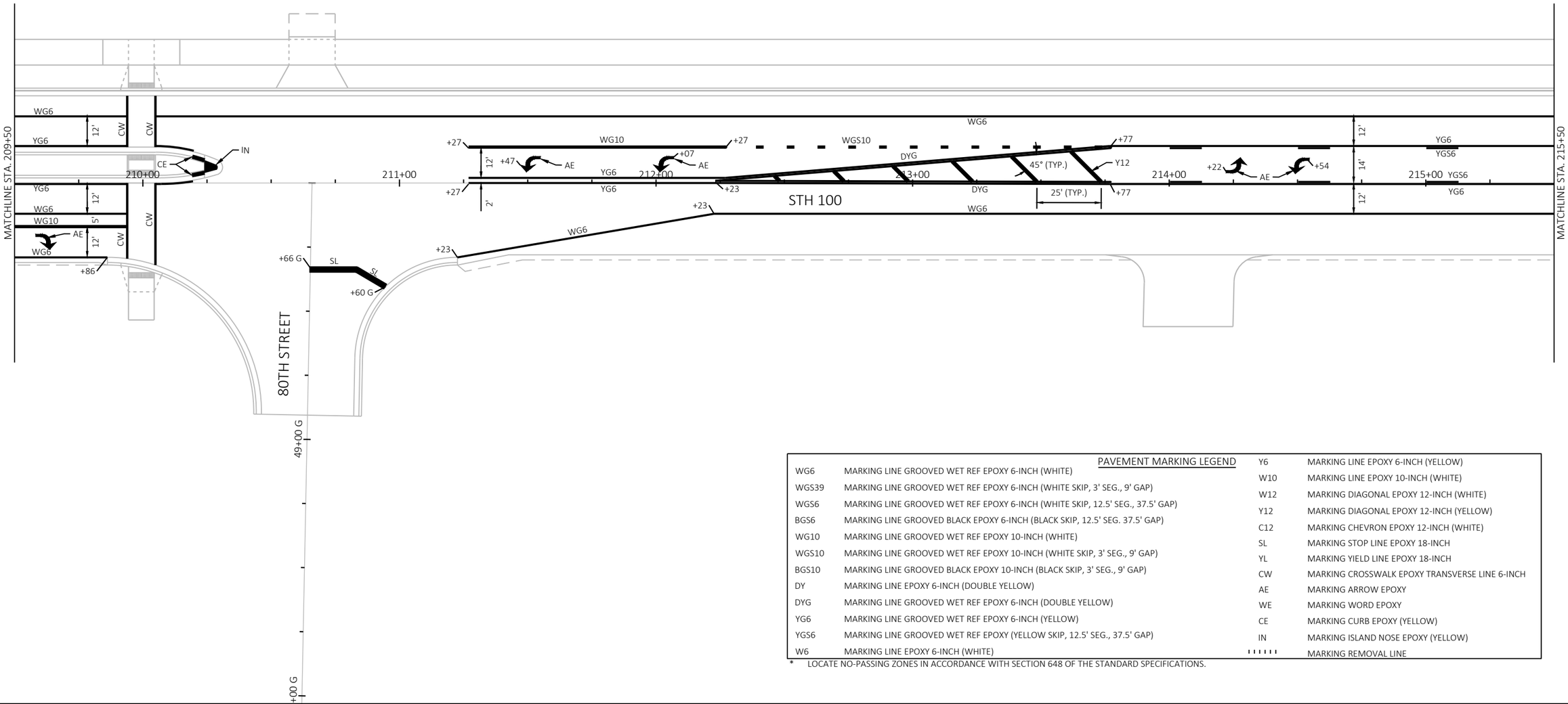
* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 221	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024519-pm
PLOT DATE : 9/25/2024 11:53 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

N



PAVEMENT MARKING LEGEND

WG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y6	MARKING LINE EPOXY 6-INCH (YELLOW)
WGS39	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 3' SEG., 9' GAP)	W10	MARKING LINE EPOXY 10-INCH (WHITE)
WGS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
BGS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (BLACK SKIP, 12.5' SEG. 37.5' GAP)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WG10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	C12	MARKING CHEVRON EPOXY 12-INCH (WHITE)
WGS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
BGS10	MARKING LINE GROOVED BLACK EPOXY 10-INCH (BLACK SKIP, 3' SEG., 9' GAP)	YL	MARKING YIELD LINE EPOXY 18-INCH
DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
DYG	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	AE	MARKING ARROW EPOXY
YG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	WE	MARKING WORD EPOXY
YGS6	MARKING LINE GROOVED WET REF EPOXY (YELLOW SKIP, 12.5' SEG., 37.5' GAP)	CE	MARKING CURB EPOXY (YELLOW)
W6	MARKING LINE EPOXY 6-INCH (WHITE)	IN	MARKING ISLAND NOSE EPOXY (YELLOW)
			MARKING REMOVAL LINE

* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

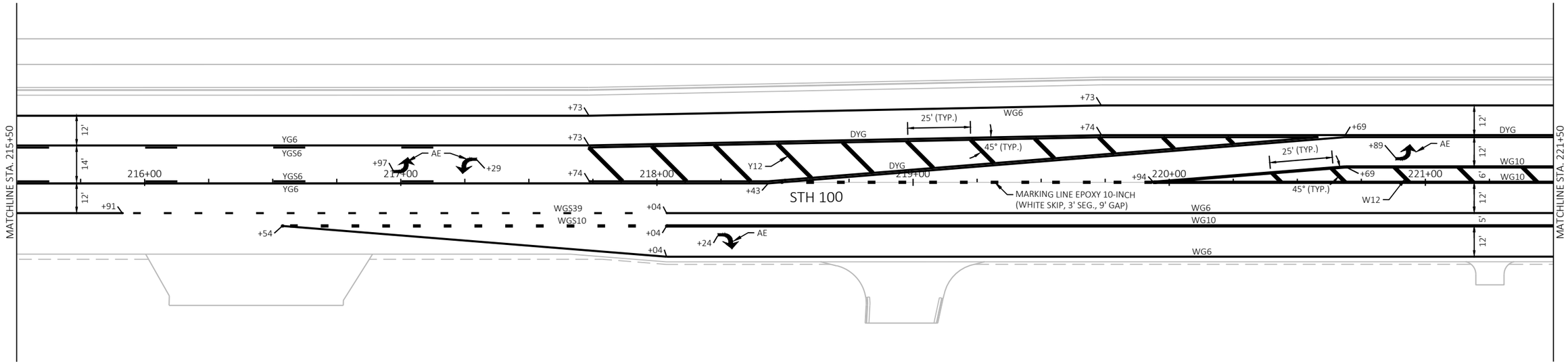
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 222	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024520-pm
PLOT DATE : 9/25/2024 11:53 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

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N



PAVEMENT MARKING LEGEND

WG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y6	MARKING LINE EPOXY 6-INCH (YELLOW)
WGS39	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 3' SEG., 9' GAP)	W10	MARKING LINE EPOXY 10-INCH (WHITE)
WGS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
BGS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (BLACK SKIP, 12.5' SEG. 37.5' GAP)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WG10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	C12	MARKING CHEVRON EPOXY 12-INCH (WHITE)
WGS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
BGS10	MARKING LINE GROOVED BLACK EPOXY 10-INCH (BLACK SKIP, 3' SEG., 9' GAP)	YL	MARKING YIELD LINE EPOXY 18-INCH
DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
DYG	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	AE	MARKING ARROW EPOXY
YG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	WE	MARKING WORD EPOXY
YGS6	MARKING LINE GROOVED WET REF EPOXY (YELLOW SKIP, 12.5' SEG., 37.5' GAP)	CE	MARKING CURB EPOXY (YELLOW)
W6	MARKING LINE EPOXY 6-INCH (WHITE)	IN	MARKING ISLAND NOSE EPOXY (YELLOW)
			MARKING REMOVAL LINE

* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 223	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024521-pm
PLOT DATE : 9/25/2024 11:53 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

MATCHLINE STA. 53+00 H

53+

+82 H

AE

12' 12' 12'

WG6

52+00 H

+92 H

76TH STREET
(CTH U)

WE

WG10

WG6

DYG

AE

51+00 H

+97 H

+92 H

SL

+77 H

CW

CW

N

PAVEMENT MARKING LEGEND

WG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y6	MARKING LINE EPOXY 6-INCH (YELLOW)
WGS39	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 3' SEG., 9' GAP)	W10	MARKING LINE EPOXY 10-INCH (WHITE)
WGS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
BGS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (BLACK SKIP, 12.5' SEG. 37.5' GAP)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WG10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	C12	MARKING CHEVRON EPOXY 12-INCH (WHITE)
WGS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
BGS10	MARKING LINE GROOVED BLACK EPOXY 10-INCH (BLACK SKIP, 3' SEG., 9' GAP)	YL	MARKING YIELD LINE EPOXY 18-INCH
DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
DYG	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	AE	MARKING ARROW EPOXY
YG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	WE	MARKING WORD EPOXY
YGS6	MARKING LINE GROOVED WET REF EPOXY (YELLOW SKIP, 12.5' SEG., 37.5' GAP)	CE	MARKING CURB EPOXY (YELLOW)
W6	MARKING LINE EPOXY 6-INCH (WHITE)	IN	MARKING ISLAND NOSE EPOXY (YELLOW)
			MARKING REMOVAL LINE

* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

MATCHLINE STA. 221+50

+02

WG6 +28

12' DYG

+19

12' 45° (TYP.) WE AE +99

222+00 6' WG10 WG10 223+00

12' WG6 25' (TYP.) W12

5' WG10

12' WG6 WE AE +99

SL

50+00 H

224+00

+41 H

SL

DYG WG10 WG6

MATCHLINE STA. 49+25 H

+02 AE WE

12' WG6

WG10

5' WG6

SL

W12

25' (TYP.)

12' 6' WG10 WG10 45° (TYP.)

+02 AE 225+00 WE 226+00 +12 AE 227+00 +32 +33

12' DYG

+82

STH 100

12' WG6

+73

+73

WG6

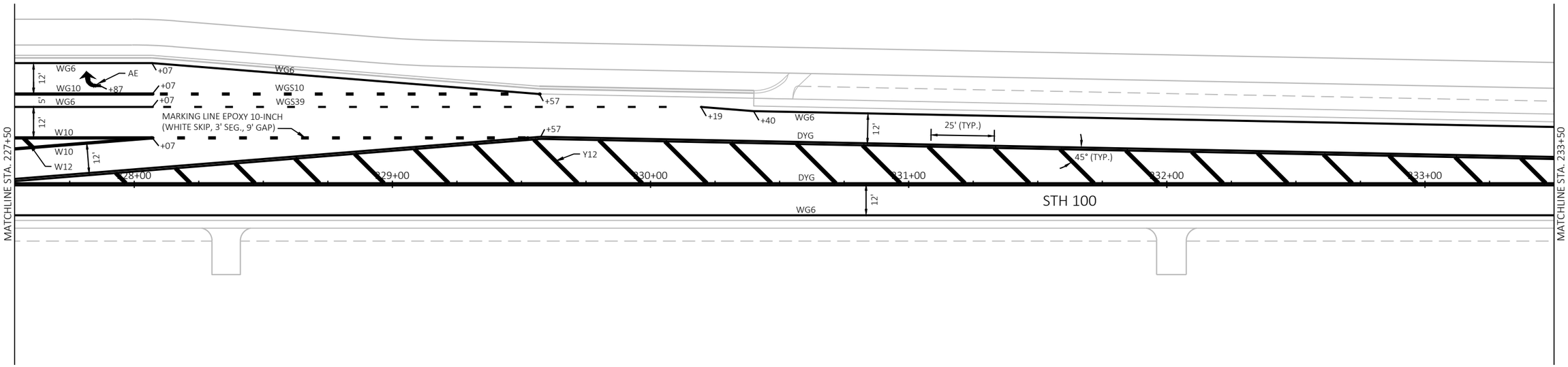
MATCHLINE STA. 227+50

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 224	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024522-pm
PLOT DATE : 9/25/2024 11:53 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

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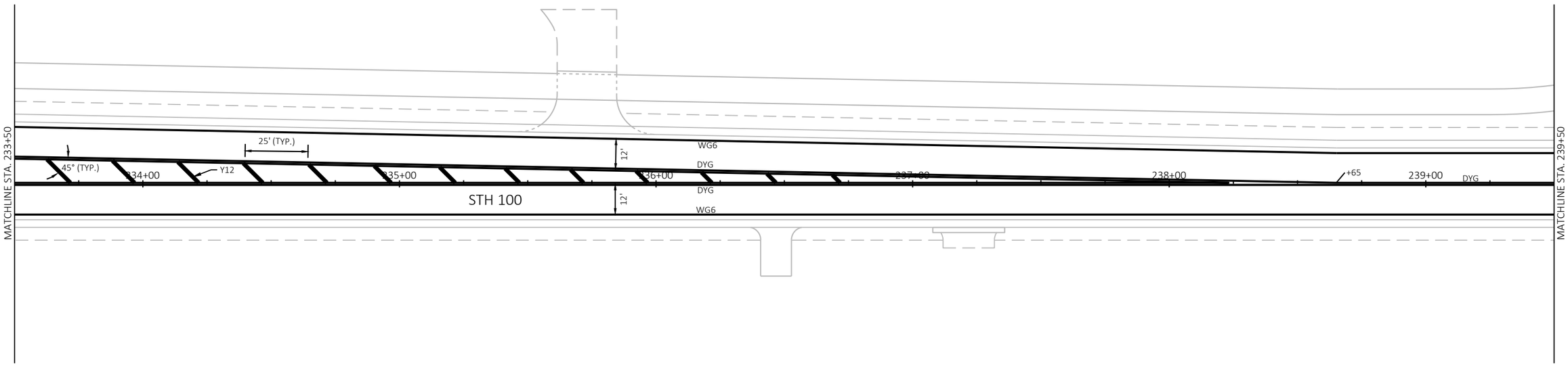
PAVEMENT MARKING LEGEND

WG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y6	MARKING LINE EPOXY 6-INCH (YELLOW)
WGS39	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 3' SEG., 9' GAP)	W10	MARKING LINE EPOXY 10-INCH (WHITE)
WGS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
BGS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (BLACK SKIP, 12.5' SEG. 37.5' GAP)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WG10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	C12	MARKING CHEVRON EPOXY 12-INCH (WHITE)
WGS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
BGS10	MARKING LINE GROOVED BLACK EPOXY 10-INCH (BLACK SKIP, 3' SEG., 9' GAP)	YL	MARKING YIELD LINE EPOXY 18-INCH
DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
DYG	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	AE	MARKING ARROW EPOXY
YG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	WE	MARKING WORD EPOXY
YGS6	MARKING LINE GROOVED WET REF EPOXY (YELLOW SKIP, 12.5' SEG., 37.5' GAP)	CE	MARKING CURB EPOXY (YELLOW)
W6	MARKING LINE EPOXY 6-INCH (WHITE)	IN	MARKING ISLAND NOSE EPOXY (YELLOW)
		' ' ' ' ' '	MARKING REMOVAL LINE

* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

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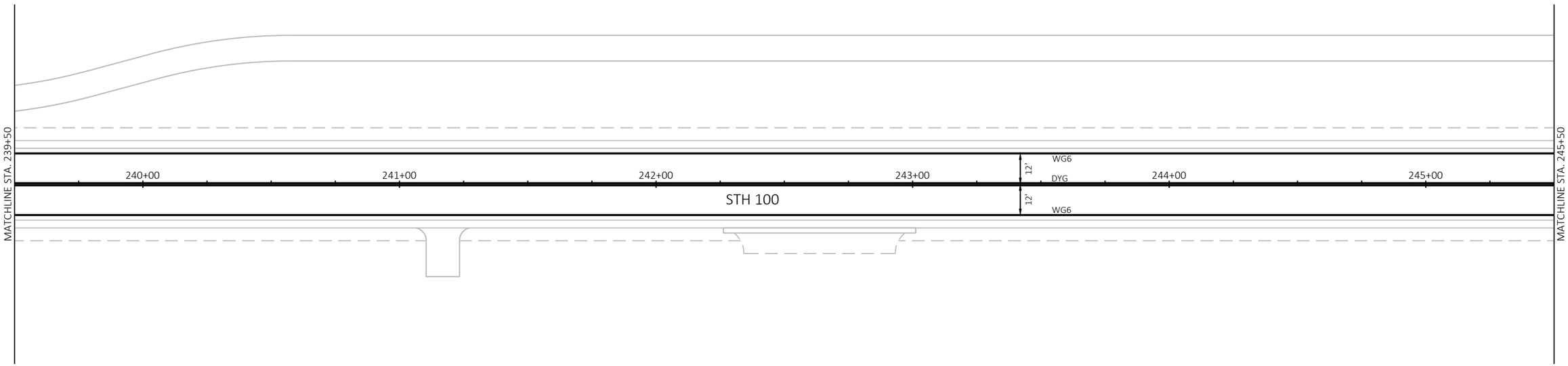
PAVEMENT MARKING LEGEND

WG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y6	MARKING LINE EPOXY 6-INCH (YELLOW)
WGS39	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 3' SEG., 9' GAP)	W10	MARKING LINE EPOXY 10-INCH (WHITE)
WGS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
BGS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (BLACK SKIP, 12.5' SEG. 37.5' GAP)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WG10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	C12	MARKING CHEVRON EPOXY 12-INCH (WHITE)
WGS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
BGS10	MARKING LINE GROOVED BLACK EPOXY 10-INCH (BLACK SKIP, 3' SEG., 9' GAP)	YL	MARKING YIELD LINE EPOXY 18-INCH
DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
DYG	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	AE	MARKING ARROW EPOXY
YG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	WE	MARKING WORD EPOXY
YGS6	MARKING LINE GROOVED WET REF EPOXY (YELLOW SKIP, 12.5' SEG., 37.5' GAP)	CE	MARKING CURB EPOXY (YELLOW)
W6	MARKING LINE EPOXY 6-INCH (WHITE)	IN	MARKING ISLAND NOSE EPOXY (YELLOW)
		' ' ' ' ' '	MARKING REMOVAL LINE

* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

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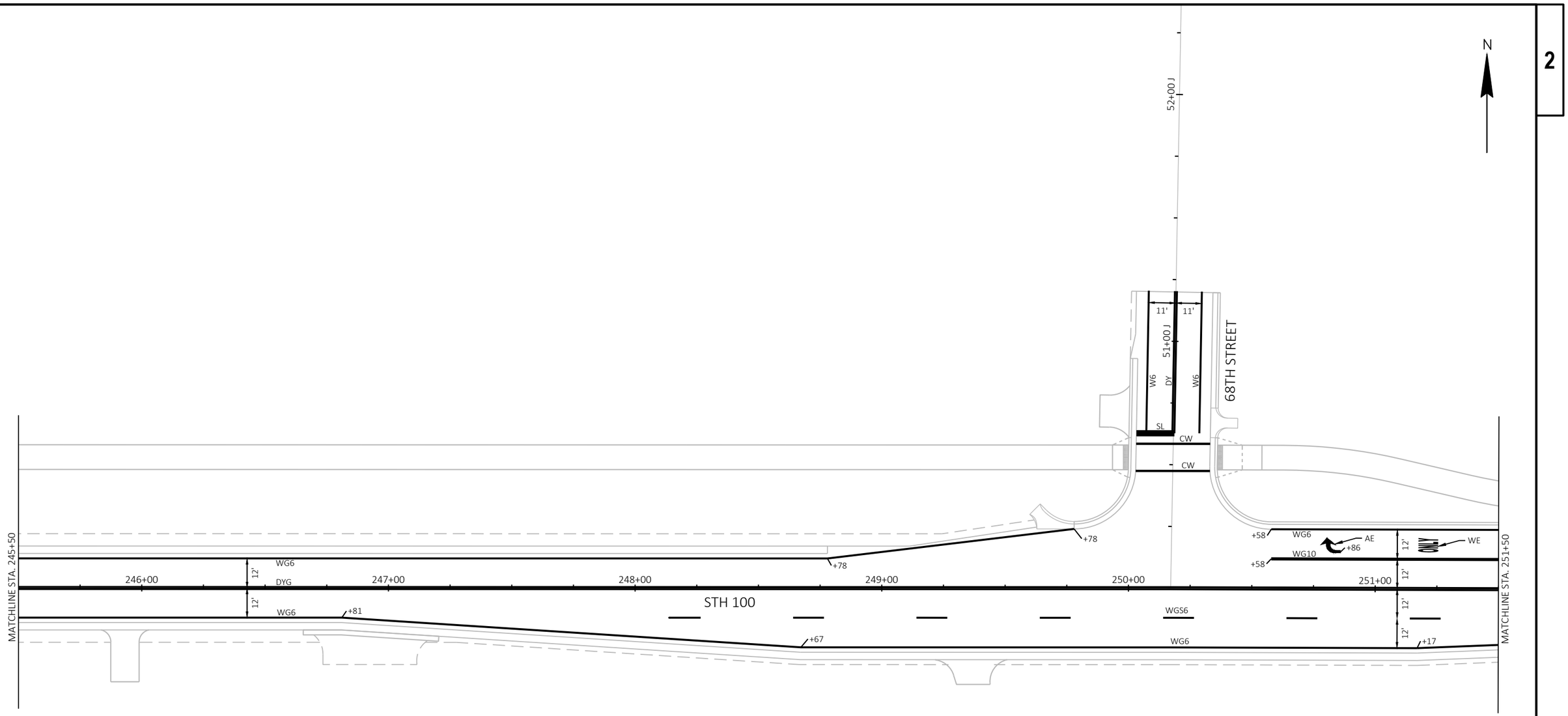
PAVEMENT MARKING LEGEND

WG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y6	MARKING LINE EPOXY 6-INCH (YELLOW)
WGS39	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 3' SEG., 9' GAP)	W10	MARKING LINE EPOXY 10-INCH (WHITE)
WGS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
BGS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (BLACK SKIP, 12.5' SEG. 37.5' GAP)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WG10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	C12	MARKING CHEVRON EPOXY 12-INCH (WHITE)
WGS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
BGS10	MARKING LINE GROOVED BLACK EPOXY 10-INCH (BLACK SKIP, 3' SEG., 9' GAP)	YL	MARKING YIELD LINE EPOXY 18-INCH
DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
DYG	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	AE	MARKING ARROW EPOXY
YG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	WE	MARKING WORD EPOXY
YGS6	MARKING LINE GROOVED WET REF EPOXY (YELLOW SKIP, 12.5' SEG., 37.5' GAP)	CE	MARKING CURB EPOXY (YELLOW)
W6	MARKING LINE EPOXY 6-INCH (WHITE)	IN	MARKING ISLAND NOSE EPOXY (YELLOW)
		' ' ' ' ' '	MARKING REMOVAL LINE

* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 227	E

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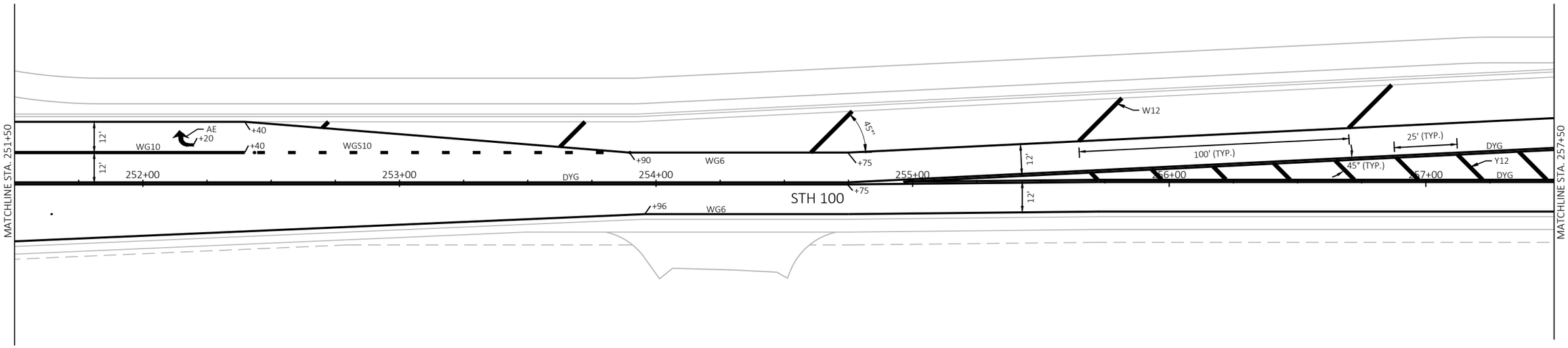
PAVEMENT MARKING LEGEND

WG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y6	MARKING LINE EPOXY 6-INCH (YELLOW)
WGS39	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 3' SEG., 9' GAP)	W10	MARKING LINE EPOXY 10-INCH (WHITE)
WGS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
BGS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (BLACK SKIP, 12.5' SEG. 37.5' GAP)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WG10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	C12	MARKING CHEVRON EPOXY 12-INCH (WHITE)
WGS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
BGS10	MARKING LINE GROOVED BLACK EPOXY 10-INCH (BLACK SKIP, 3' SEG., 9' GAP)	YL	MARKING YIELD LINE EPOXY 18-INCH
DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
DYG	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	AE	MARKING ARROW EPOXY
YG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	WE	MARKING WORD EPOXY
YGS6	MARKING LINE GROOVED WET REF EPOXY (YELLOW SKIP, 12.5' SEG., 37.5' GAP)	CE	MARKING CURB EPOXY (YELLOW)
W6	MARKING LINE EPOXY 6-INCH (WHITE)	IN	MARKING ISLAND NOSE EPOXY (YELLOW)
			MARKING REMOVAL LINE

* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

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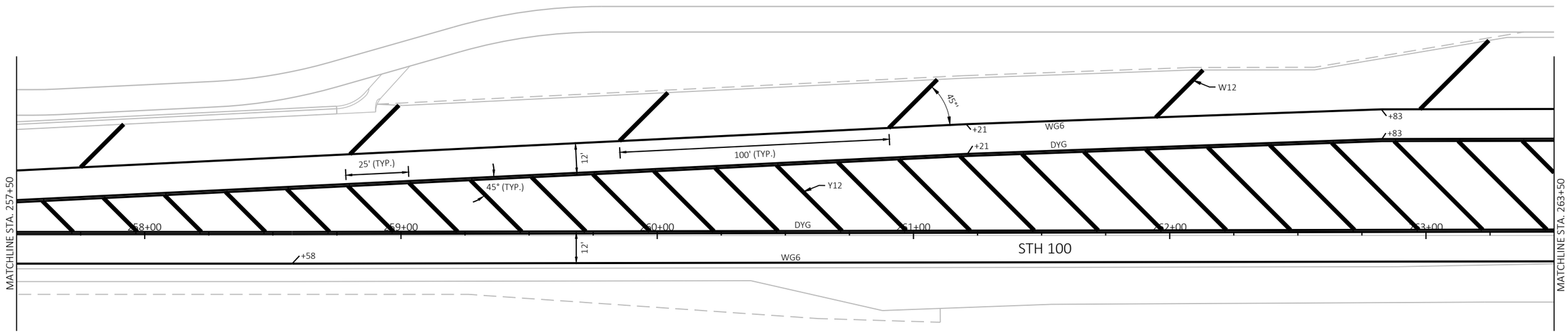
PAVEMENT MARKING LEGEND

WG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y6	MARKING LINE EPOXY 6-INCH (YELLOW)
WGS39	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 3' SEG., 9' GAP)	W10	MARKING LINE EPOXY 10-INCH (WHITE)
WGS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
BGS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (BLACK SKIP, 12.5' SEG. 37.5' GAP)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WG10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	C12	MARKING CHEVRON EPOXY 12-INCH (WHITE)
WGS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
BGS10	MARKING LINE GROOVED BLACK EPOXY 10-INCH (BLACK SKIP, 3' SEG., 9' GAP)	YL	MARKING YIELD LINE EPOXY 18-INCH
DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
DYG	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	AE	MARKING ARROW EPOXY
YG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	WE	MARKING WORD EPOXY
YGS6	MARKING LINE GROOVED WET REF EPOXY (YELLOW SKIP, 12.5' SEG., 37.5' GAP)	CE	MARKING CURB EPOXY (YELLOW)
W6	MARKING LINE EPOXY 6-INCH (WHITE)	IN	MARKING ISLAND NOSE EPOXY (YELLOW)
		' ' ' ' ' '	MARKING REMOVAL LINE

* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

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PAVEMENT MARKING LEGEND

WG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y6	MARKING LINE EPOXY 6-INCH (YELLOW)
WGS39	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 3' SEG., 9' GAP)	W10	MARKING LINE EPOXY 10-INCH (WHITE)
WGS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
BGS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (BLACK SKIP, 12.5' SEG. 37.5' GAP)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WG10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	C12	MARKING CHEVRON EPOXY 12-INCH (WHITE)
WGS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
BGS10	MARKING LINE GROOVED BLACK EPOXY 10-INCH (BLACK SKIP, 3' SEG., 9' GAP)	YL	MARKING YIELD LINE EPOXY 18-INCH
DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
DYG	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	AE	MARKING ARROW EPOXY
YG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	WE	MARKING WORD EPOXY
YGS6	MARKING LINE GROOVED WET REF EPOXY (YELLOW SKIP, 12.5' SEG., 37.5' GAP)	CE	MARKING CURB EPOXY (YELLOW)
W6	MARKING LINE EPOXY 6-INCH (WHITE)	IN	MARKING ISLAND NOSE EPOXY (YELLOW)
		, , , , , , ,	MARKING REMOVAL LINE

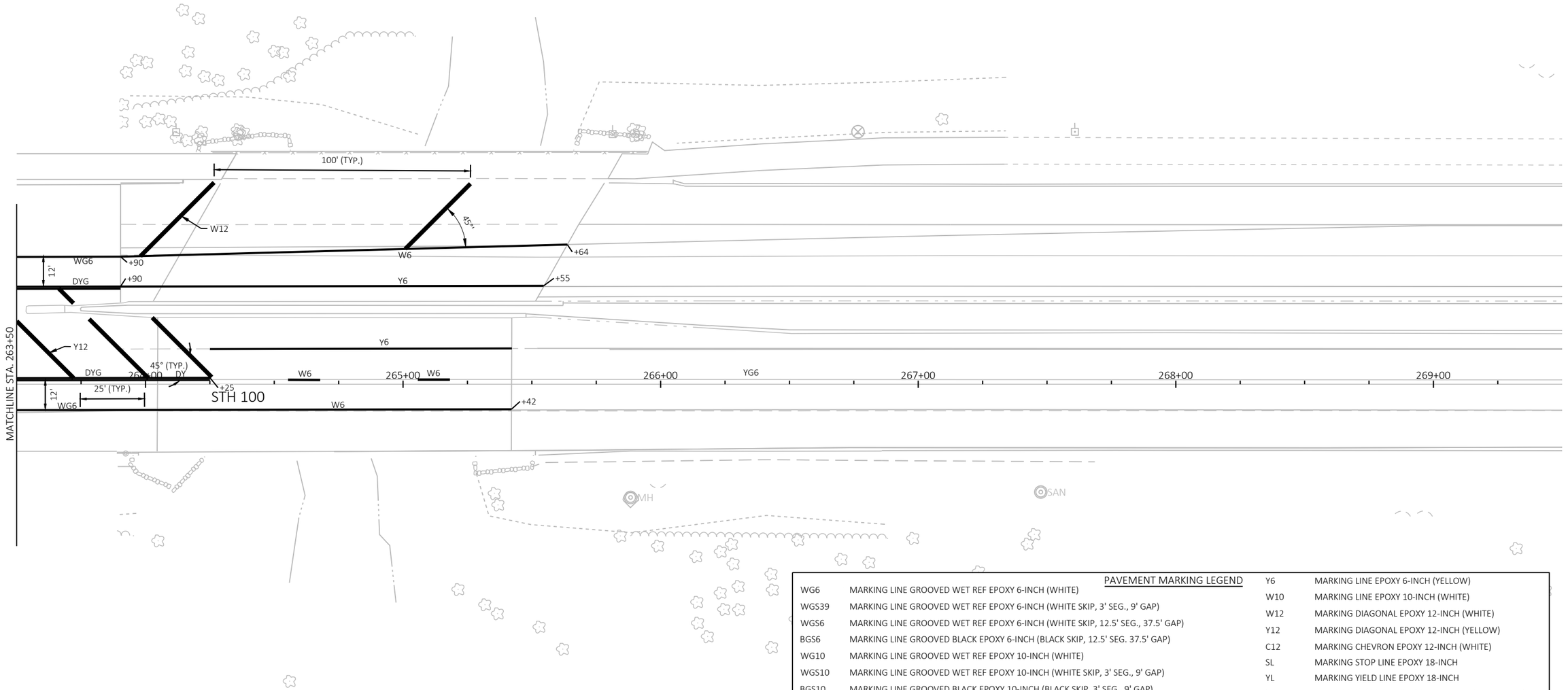
* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 230	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024528-pm
PLOT DATE : 9/25/2024 11:54 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

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PAVEMENT MARKING LEGEND

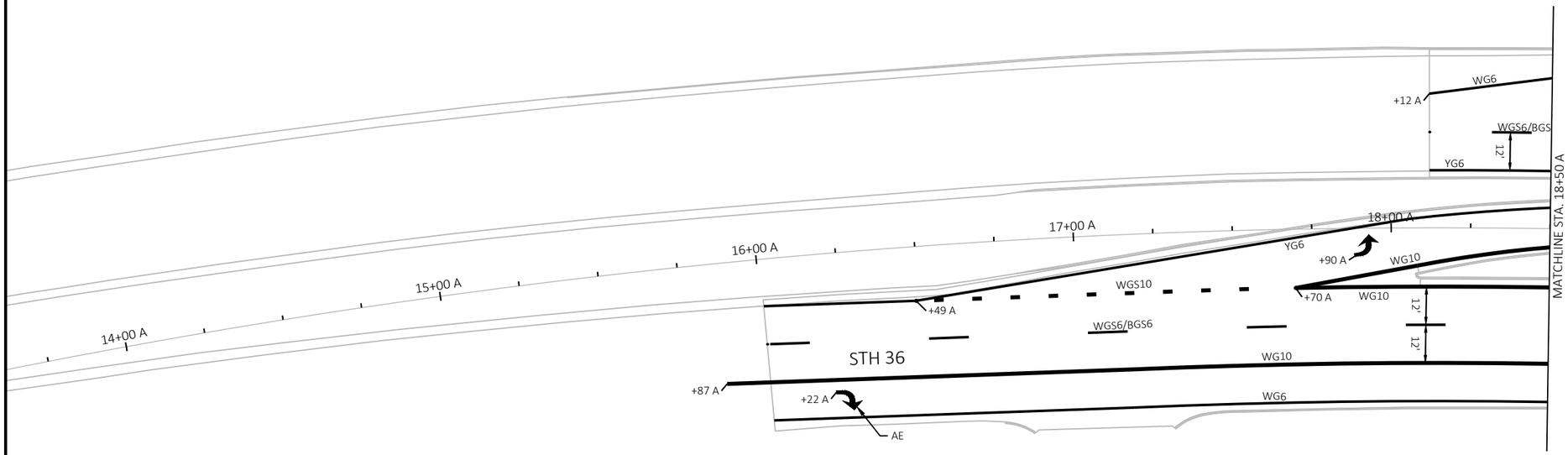
WG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y6	MARKING LINE EPOXY 6-INCH (YELLOW)
WGS39	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 3' SEG., 9' GAP)	W10	MARKING LINE EPOXY 10-INCH (WHITE)
WGS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
BGS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (BLACK SKIP, 12.5' SEG. 37.5' GAP)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WG10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	C12	MARKING CHEVRON EPOXY 12-INCH (WHITE)
WGS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
BGS10	MARKING LINE GROOVED BLACK EPOXY 10-INCH (BLACK SKIP, 3' SEG., 9' GAP)	YL	MARKING YIELD LINE EPOXY 18-INCH
DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
DYG	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	AE	MARKING ARROW EPOXY
YG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	WE	MARKING WORD EPOXY
YGS6	MARKING LINE GROOVED WET REF EPOXY (YELLOW SKIP, 12.5' SEG., 37.5' GAP)	CE	MARKING CURB EPOXY (YELLOW)
W6	MARKING LINE EPOXY 6-INCH (WHITE)	IN	MARKING ISLAND NOSE EPOXY (YELLOW)
			MARKING REMOVAL LINE

* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 231	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024529-pm
PLOT DATE : 9/25/2024 11:54 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

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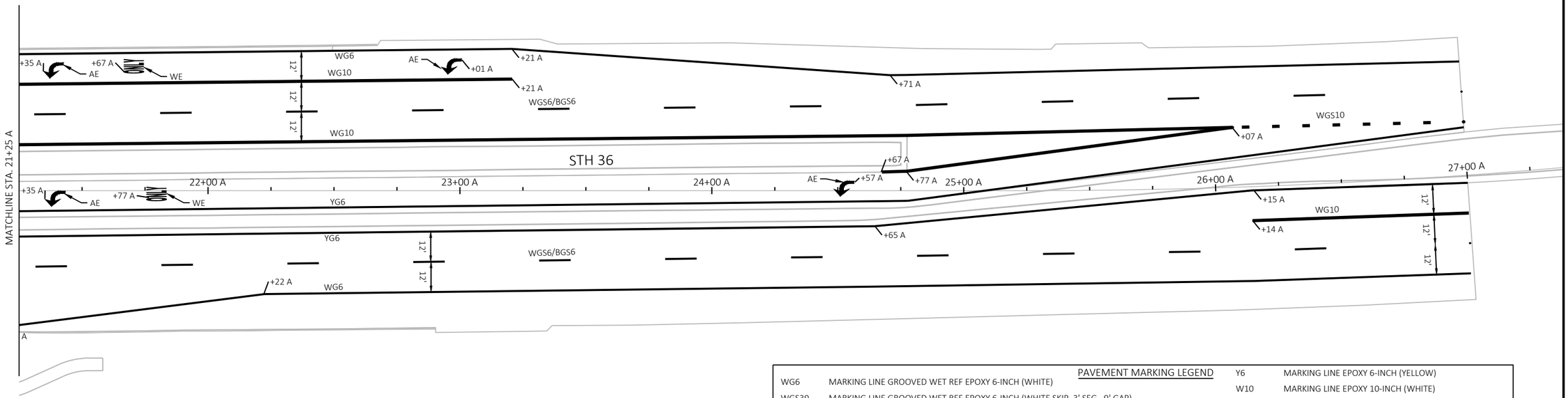
PAVEMENT MARKING LEGEND			
WG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y6	MARKING LINE EPOXY 6-INCH (YELLOW)
WGS39	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 3' SEG., 9' GAP)	W10	MARKING LINE EPOXY 10-INCH (WHITE)
WGS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
BGS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (BLACK SKIP, 12.5' SEG. 37.5' GAP)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WG10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	C12	MARKING CHEVRON EPOXY 12-INCH (WHITE)
WGS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
BGS10	MARKING LINE GROOVED BLACK EPOXY 10-INCH (BLACK SKIP, 3' SEG., 9' GAP)	YL	MARKING YIELD LINE EPOXY 18-INCH
DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
DYG	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	AE	MARKING ARROW EPOXY
YG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	WE	MARKING WORD EPOXY
YGS6	MARKING LINE GROOVED WET REF EPOXY (YELLOW SKIP, 12.5' SEG., 37.5' GAP)	CE	MARKING CURB EPOXY (YELLOW)
W6	MARKING LINE EPOXY 6-INCH (WHITE)	IN	MARKING ISLAND NOSE EPOXY (YELLOW)
		' ' ' ' ' '	MARKING REMOVAL LINE

* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 232	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024530-pm
PLOT DATE : 9/25/2024 11:54 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

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PAVEMENT MARKING LEGEND			
WG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y6	MARKING LINE EPOXY 6-INCH (YELLOW)
WGS39	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 3' SEG., 9' GAP)	W10	MARKING LINE EPOXY 10-INCH (WHITE)
WGS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
BGS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (BLACK SKIP, 12.5' SEG. 37.5' GAP)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WG10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	C12	MARKING CHEVRON EPOXY 12-INCH (WHITE)
WGS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
BGS10	MARKING LINE GROOVED BLACK EPOXY 10-INCH (BLACK SKIP, 3' SEG., 9' GAP)	YL	MARKING YIELD LINE EPOXY 18-INCH
DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
DYG	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	AE	MARKING ARROW EPOXY
YG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	WE	MARKING WORD EPOXY
YGS6	MARKING LINE GROOVED WET REF EPOXY (YELLOW SKIP, 12.5' SEG., 37.5' GAP)	CE	MARKING CURB EPOXY (YELLOW)
W6	MARKING LINE EPOXY 6-INCH (WHITE)	IN	MARKING ISLAND NOSE EPOXY (YELLOW)
		' ' ' ' ' '	MARKING REMOVAL LINE

* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

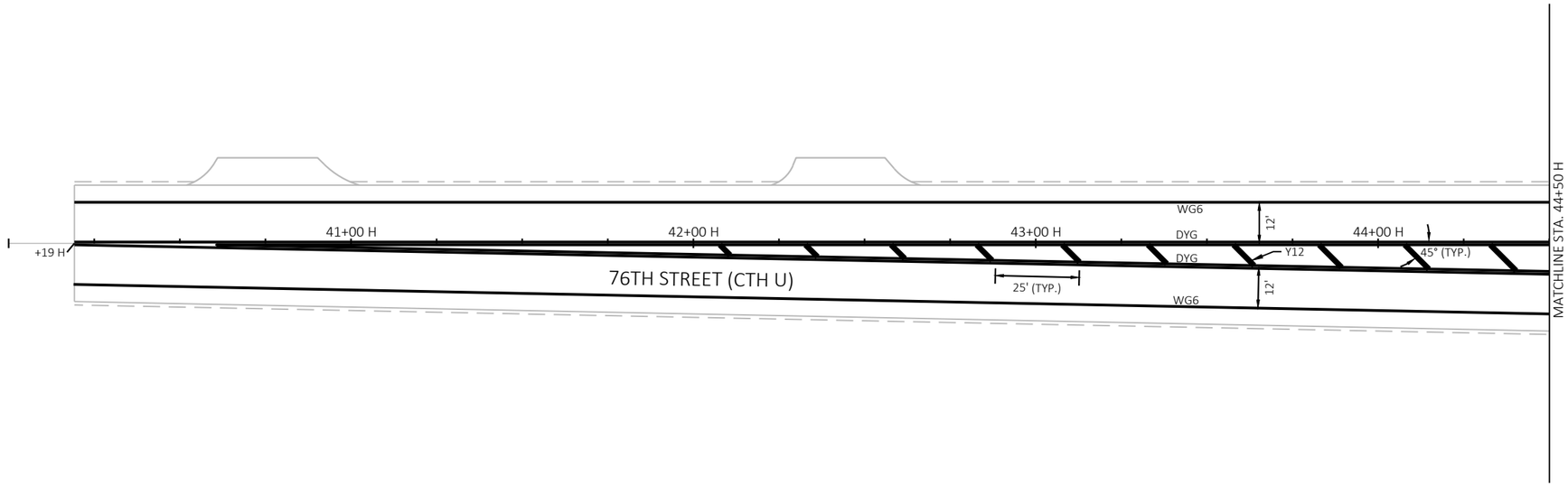
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 233	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024531-pm

PLOT DATE : 9/25/2024 11:54 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : ##########

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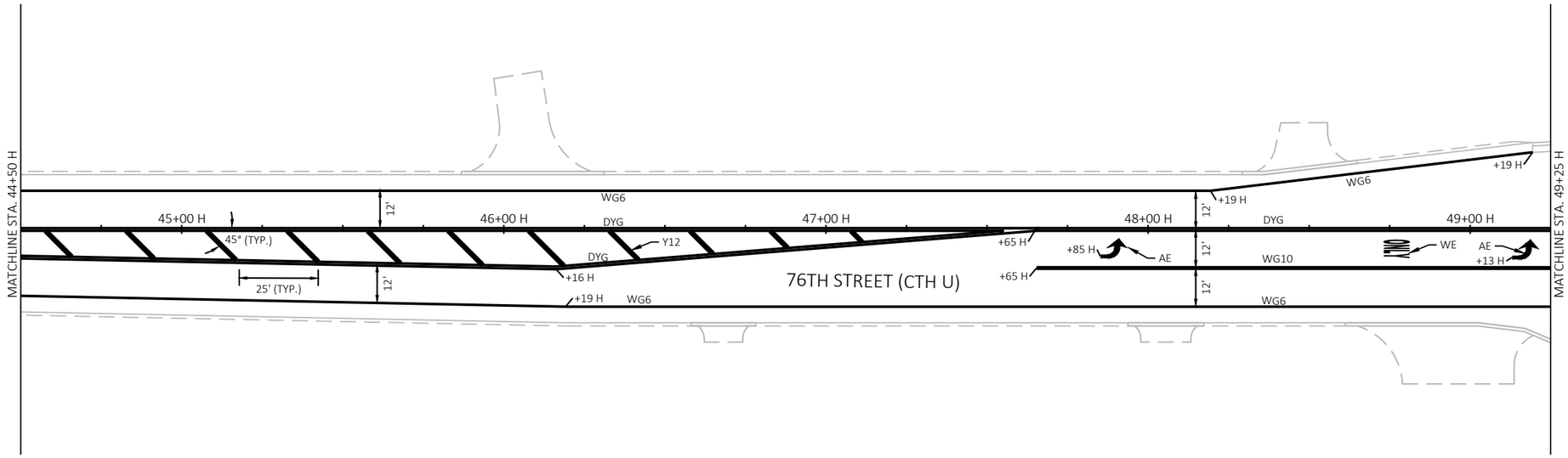
PAVEMENT MARKING LEGEND

WG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y6	MARKING LINE EPOXY 6-INCH (YELLOW)
WGS39	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 3' SEG., 9' GAP)	W10	MARKING LINE EPOXY 10-INCH (WHITE)
WGS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
BGS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (BLACK SKIP, 12.5' SEG. 37.5' GAP)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WG10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	C12	MARKING CHEVRON EPOXY 12-INCH (WHITE)
WGS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
BGS10	MARKING LINE GROOVED BLACK EPOXY 10-INCH (BLACK SKIP, 3' SEG., 9' GAP)	YL	MARKING YIELD LINE EPOXY 18-INCH
DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
DYG	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	AE	MARKING ARROW EPOXY
YG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	WE	MARKING WORD EPOXY
YGS6	MARKING LINE GROOVED WET REF EPOXY (YELLOW SKIP, 12.5' SEG., 37.5' GAP)	CE	MARKING CURB EPOXY (YELLOW)
W6	MARKING LINE EPOXY 6-INCH (WHITE)	IN	MARKING ISLAND NOSE EPOXY (YELLOW)
		' ' ' ' ' '	MARKING REMOVAL LINE

* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

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PAVEMENT MARKING LEGEND

WG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y6	MARKING LINE EPOXY 6-INCH (YELLOW)
WGS39	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 3' SEG., 9' GAP)	W10	MARKING LINE EPOXY 10-INCH (WHITE)
WGS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
BGS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (BLACK SKIP, 12.5' SEG. 37.5' GAP)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WG10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	C12	MARKING CHEVRON EPOXY 12-INCH (WHITE)
WGS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
BGS10	MARKING LINE GROOVED BLACK EPOXY 10-INCH (BLACK SKIP, 3' SEG., 9' GAP)	YL	MARKING YIELD LINE EPOXY 18-INCH
DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
DYG	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	AE	MARKING ARROW EPOXY
YG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	WE	MARKING WORD EPOXY
YGS6	MARKING LINE GROOVED WET REF EPOXY (YELLOW SKIP, 12.5' SEG., 37.5' GAP)	CE	MARKING CURB EPOXY (YELLOW)
W6	MARKING LINE EPOXY 6-INCH (WHITE)	IN	MARKING ISLAND NOSE EPOXY (YELLOW)
			MARKING REMOVAL LINE

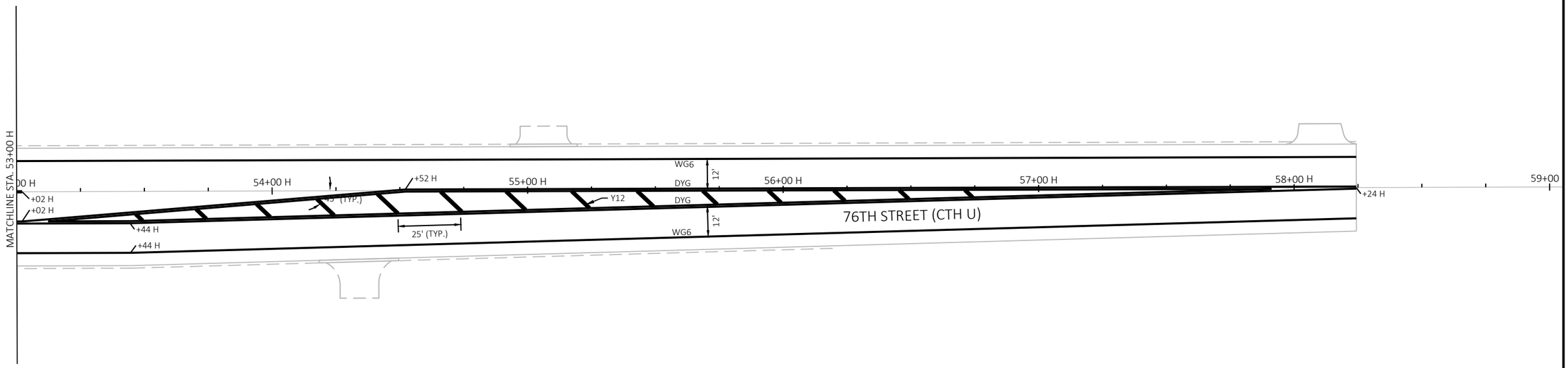
* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 235	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024533-pm
PLOT DATE : 9/25/2024 11:54 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

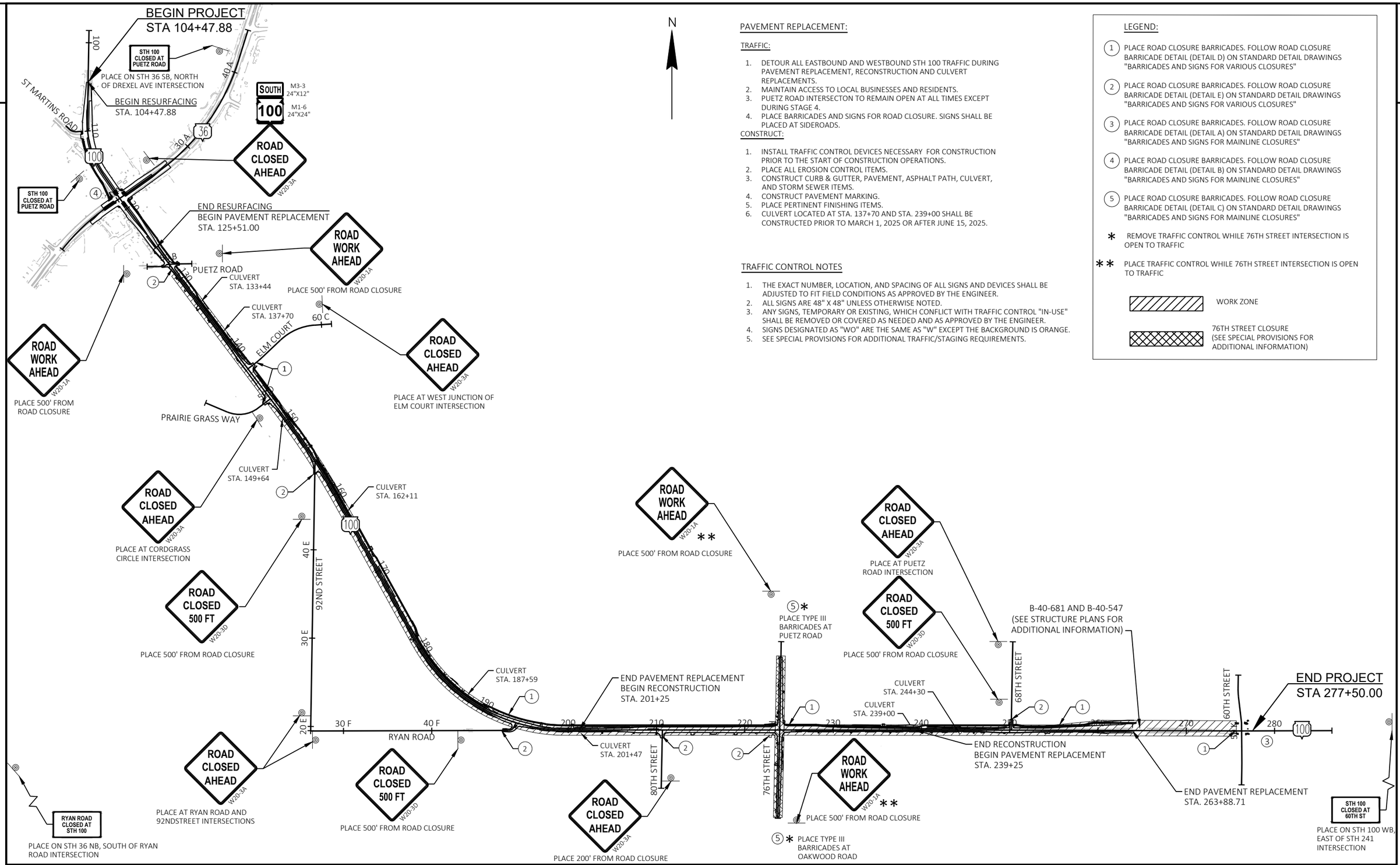
N



PAVEMENT MARKING LEGEND

WG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y6	MARKING LINE EPOXY 6-INCH (YELLOW)
WGS39	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 3' SEG., 9' GAP)	W10	MARKING LINE EPOXY 10-INCH (WHITE)
WGS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	W12	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
BGS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (BLACK SKIP, 12.5' SEG. 37.5' GAP)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WG10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	C12	MARKING CHEVRON EPOXY 12-INCH (WHITE)
WGS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
BGS10	MARKING LINE GROOVED BLACK EPOXY 10-INCH (BLACK SKIP, 3' SEG., 9' GAP)	YL	MARKING YIELD LINE EPOXY 18-INCH
DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
DYG	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	AE	MARKING ARROW EPOXY
YG6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	WE	MARKING WORD EPOXY
YGS6	MARKING LINE GROOVED WET REF EPOXY (YELLOW SKIP, 12.5' SEG., 37.5' GAP)	CE	MARKING CURB EPOXY (YELLOW)
W6	MARKING LINE EPOXY 6-INCH (WHITE)	IN	MARKING ISLAND NOSE EPOXY (YELLOW)
		, , , , , ,	MARKING REMOVAL LINE

* LOCATE NO-PASSING ZONES IN ACCORDANCE WITH SECTION 648 OF THE STANDARD SPECIFICATIONS.



PAVEMENT REPLACEMENT:

TRAFFIC:

1. DETOUR ALL EASTBOUND AND WESTBOUND STH 100 TRAFFIC DURING PAVEMENT REPLACEMENT, RECONSTRUCTION AND CULVERT REPLACEMENTS.
2. MAINTAIN ACCESS TO LOCAL BUSINESSES AND RESIDENTS.
3. PUETZ ROAD INTERSECTON TO REMAIN OPEN AT ALL TIMES EXCEPT DURING STAGE 4.
4. PLACE BARRICADES AND SIGNS FOR ROAD CLOSURE. SIGNS SHALL BE PLACED AT SIDEROADS.

CONSTRUCT:

1. INSTALL TRAFFIC CONTROL DEVICES NECESSARY FOR CONSTRUCTION PRIOR TO THE START OF CONSTRUCTION OPERATIONS.
2. PLACE ALL EROSION CONTROL ITEMS.
3. CONSTRUCT CURB & GUTTER, PAVEMENT, ASPHALT PATH, CULVERT, AND STORM SEWER ITEMS.
4. CONSTRUCT PAVEMENT MARKING.
5. PLACE PERTINENT FINISHING ITEMS.
6. CULVERT LOCATED AT STA. 137+70 AND STA. 239+00 SHALL BE CONSTRUCTED PRIOR TO MARCH 1, 2025 OR AFTER JUNE 15, 2025.

TRAFFIC CONTROL NOTES

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
2. ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
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. SIGNS DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
5. SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.

LEGEND:

1. PLACE ROAD CLOSURE BARRICADES. FOLLOW ROAD CLOSURE BARRICADE DETAIL (DETAIL D) ON STANDARD DETAIL DRAWINGS "BARRICADES AND SIGNS FOR VARIOUS CLOSURES"
2. PLACE ROAD CLOSURE BARRICADES. FOLLOW ROAD CLOSURE BARRICADE DETAIL (DETAIL E) ON STANDARD DETAIL DRAWINGS "BARRICADES AND SIGNS FOR VARIOUS CLOSURES"
3. PLACE ROAD CLOSURE BARRICADES. FOLLOW ROAD CLOSURE BARRICADE DETAIL (DETAIL A) ON STANDARD DETAIL DRAWINGS "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
4. PLACE ROAD CLOSURE BARRICADES. FOLLOW ROAD CLOSURE BARRICADE DETAIL (DETAIL B) ON STANDARD DETAIL DRAWINGS "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
5. PLACE ROAD CLOSURE BARRICADES. FOLLOW ROAD CLOSURE BARRICADE DETAIL (DETAIL C) ON STANDARD DETAIL DRAWINGS "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"

* REMOVE TRAFFIC CONTROL WHILE 76TH STREET INTERSECTION IS OPEN TO TRAFFIC

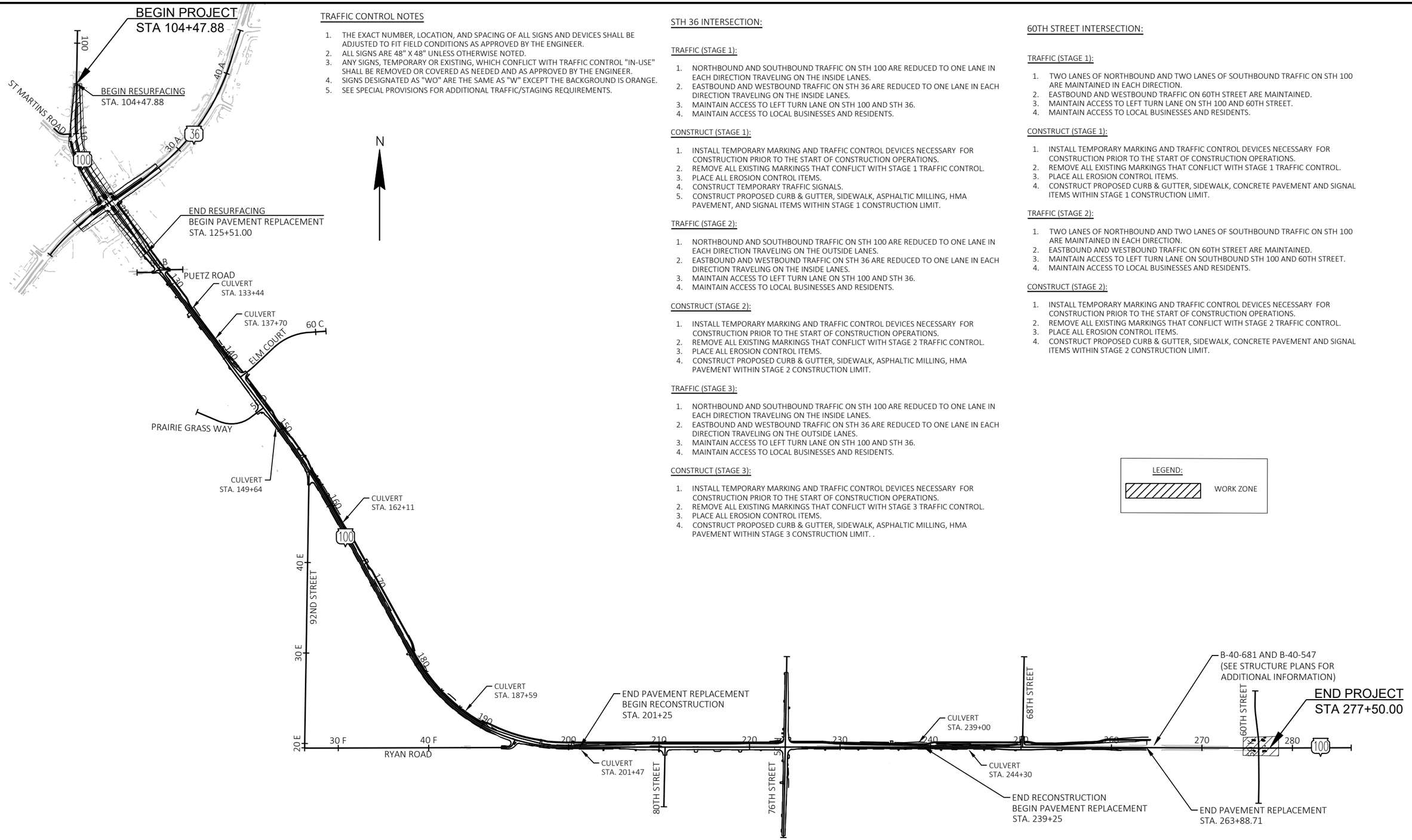
** PLACE TRAFFIC CONTROL WHILE 76TH STREET INTERSECTION IS OPEN TO TRAFFIC

WORK ZONE

76TH STREET CLOSURE (SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION)

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TRAFFIC CONROL OVERVIEW	SHEET 237	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\025100-TC.DWG
LAYOUT NAME - 025100-tc
PLOT DATE : 9/23/2024 1:39 PM
PLOT BY : WRIGHT, BRANDON
PLOT NAME :
PLOT SCALE : 1 IN:1000 FT
WISDOT/CADDS SHEET 42



TRAFFIC CONTROL NOTES

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
2. ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
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. SIGNS DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
5. SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.

STH 36 INTERSECTION:

TRAFFIC (STAGE 1):

1. NORTHBOUND AND SOUTHBOUND TRAFFIC ON STH 100 ARE REDUCED TO ONE LANE IN EACH DIRECTION TRAVELING ON THE INSIDE LANES.
2. EASTBOUND AND WESTBOUND TRAFFIC ON STH 36 ARE REDUCED TO ONE LANE IN EACH DIRECTION TRAVELING ON THE INSIDE LANES.
3. MAINTAIN ACCESS TO LEFT TURN LANE ON STH 100 AND STH 36.
4. MAINTAIN ACCESS TO LOCAL BUSINESSES AND RESIDENTS.

CONSTRUCT (STAGE 1):

1. INSTALL TEMPORARY MARKING AND TRAFFIC CONTROL DEVICES NECESSARY FOR CONSTRUCTION PRIOR TO THE START OF CONSTRUCTION OPERATIONS.
2. REMOVE ALL EXISTING MARKINGS THAT CONFLICT WITH STAGE 1 TRAFFIC CONTROL.
3. PLACE ALL EROSION CONTROL ITEMS.
4. CONSTRUCT TEMPORARY TRAFFIC SIGNALS.
5. CONSTRUCT PROPOSED CURB & GUTTER, SIDEWALK, ASPHALTIC MILLING, HMA PAVEMENT, AND SIGNAL ITEMS WITHIN STAGE 1 CONSTRUCTION LIMIT.

TRAFFIC (STAGE 2):

1. NORTHBOUND AND SOUTHBOUND TRAFFIC ON STH 100 ARE REDUCED TO ONE LANE IN EACH DIRECTION TRAVELING ON THE OUTSIDE LANES.
2. EASTBOUND AND WESTBOUND TRAFFIC ON STH 36 ARE REDUCED TO ONE LANE IN EACH DIRECTION TRAVELING ON THE INSIDE LANES.
3. MAINTAIN ACCESS TO LEFT TURN LANE ON STH 100 AND STH 36.
4. MAINTAIN ACCESS TO LOCAL BUSINESSES AND RESIDENTS.

CONSTRUCT (STAGE 2):

1. INSTALL TEMPORARY MARKING AND TRAFFIC CONTROL DEVICES NECESSARY FOR CONSTRUCTION PRIOR TO THE START OF CONSTRUCTION OPERATIONS.
2. REMOVE ALL EXISTING MARKINGS THAT CONFLICT WITH STAGE 2 TRAFFIC CONTROL.
3. PLACE ALL EROSION CONTROL ITEMS.
4. CONSTRUCT PROPOSED CURB & GUTTER, SIDEWALK, ASPHALTIC MILLING, HMA PAVEMENT WITHIN STAGE 2 CONSTRUCTION LIMIT.

TRAFFIC (STAGE 3):

1. NORTHBOUND AND SOUTHBOUND TRAFFIC ON STH 100 ARE REDUCED TO ONE LANE IN EACH DIRECTION TRAVELING ON THE INSIDE LANES.
2. EASTBOUND AND WESTBOUND TRAFFIC ON STH 36 ARE REDUCED TO ONE LANE IN EACH DIRECTION TRAVELING ON THE OUTSIDE LANES.
3. MAINTAIN ACCESS TO LEFT TURN LANE ON STH 100 AND STH 36.
4. MAINTAIN ACCESS TO LOCAL BUSINESSES AND RESIDENTS.

CONSTRUCT (STAGE 3):

1. INSTALL TEMPORARY MARKING AND TRAFFIC CONTROL DEVICES NECESSARY FOR CONSTRUCTION PRIOR TO THE START OF CONSTRUCTION OPERATIONS.
2. REMOVE ALL EXISTING MARKINGS THAT CONFLICT WITH STAGE 3 TRAFFIC CONTROL.
3. PLACE ALL EROSION CONTROL ITEMS.
4. CONSTRUCT PROPOSED CURB & GUTTER, SIDEWALK, ASPHALTIC MILLING, HMA PAVEMENT WITHIN STAGE 3 CONSTRUCTION LIMIT. .

60TH STREET INTERSECTION:

TRAFFIC (STAGE 1):

1. TWO LANES OF NORTHBOUND AND TWO LANES OF SOUTHBOUND TRAFFIC ON STH 100 ARE MAINTAINED IN EACH DIRECTION.
2. EASTBOUND AND WESTBOUND TRAFFIC ON 60TH STREET ARE MAINTAINED.
3. MAINTAIN ACCESS TO LEFT TURN LANE ON STH 100 AND 60TH STREET.
4. MAINTAIN ACCESS TO LOCAL BUSINESSES AND RESIDENTS.

CONSTRUCT (STAGE 1):

1. INSTALL TEMPORARY MARKING AND TRAFFIC CONTROL DEVICES NECESSARY FOR CONSTRUCTION PRIOR TO THE START OF CONSTRUCTION OPERATIONS.
2. REMOVE ALL EXISTING MARKINGS THAT CONFLICT WITH STAGE 1 TRAFFIC CONTROL.
3. PLACE ALL EROSION CONTROL ITEMS.
4. CONSTRUCT PROPOSED CURB & GUTTER, SIDEWALK, CONCRETE PAVEMENT AND SIGNAL ITEMS WITHIN STAGE 1 CONSTRUCTION LIMIT.

TRAFFIC (STAGE 2):

1. TWO LANES OF NORTHBOUND AND TWO LANES OF SOUTHBOUND TRAFFIC ON STH 100 ARE MAINTAINED IN EACH DIRECTION.
2. EASTBOUND AND WESTBOUND TRAFFIC ON 60TH STREET ARE MAINTAINED.
3. MAINTAIN ACCESS TO LEFT TURN LANE ON SOUTHBOUND STH 100 AND 60TH STREET.
4. MAINTAIN ACCESS TO LOCAL BUSINESSES AND RESIDENTS.

CONSTRUCT (STAGE 2):

1. INSTALL TEMPORARY MARKING AND TRAFFIC CONTROL DEVICES NECESSARY FOR CONSTRUCTION PRIOR TO THE START OF CONSTRUCTION OPERATIONS.
2. REMOVE ALL EXISTING MARKINGS THAT CONFLICT WITH STAGE 2 TRAFFIC CONTROL.
3. PLACE ALL EROSION CONTROL ITEMS.
4. CONSTRUCT PROPOSED CURB & GUTTER, SIDEWALK, CONCRETE PAVEMENT AND SIGNAL ITEMS WITHIN STAGE 2 CONSTRUCTION LIMIT.

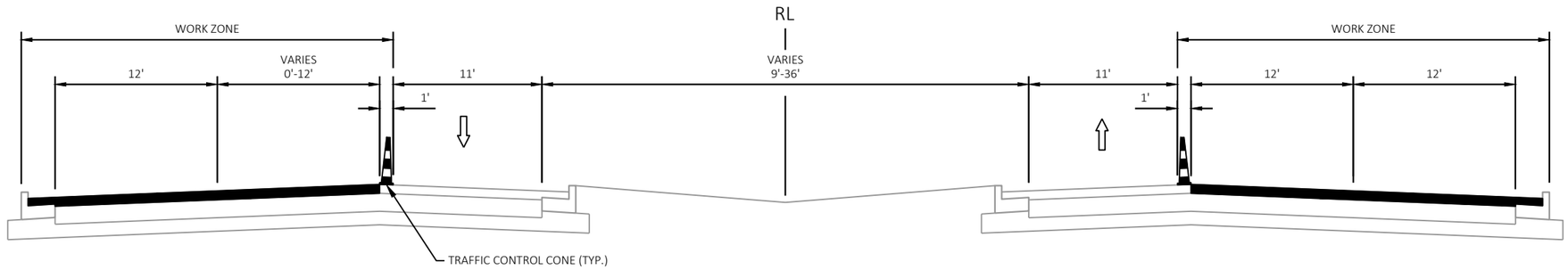
LEGEND:

WORK ZONE

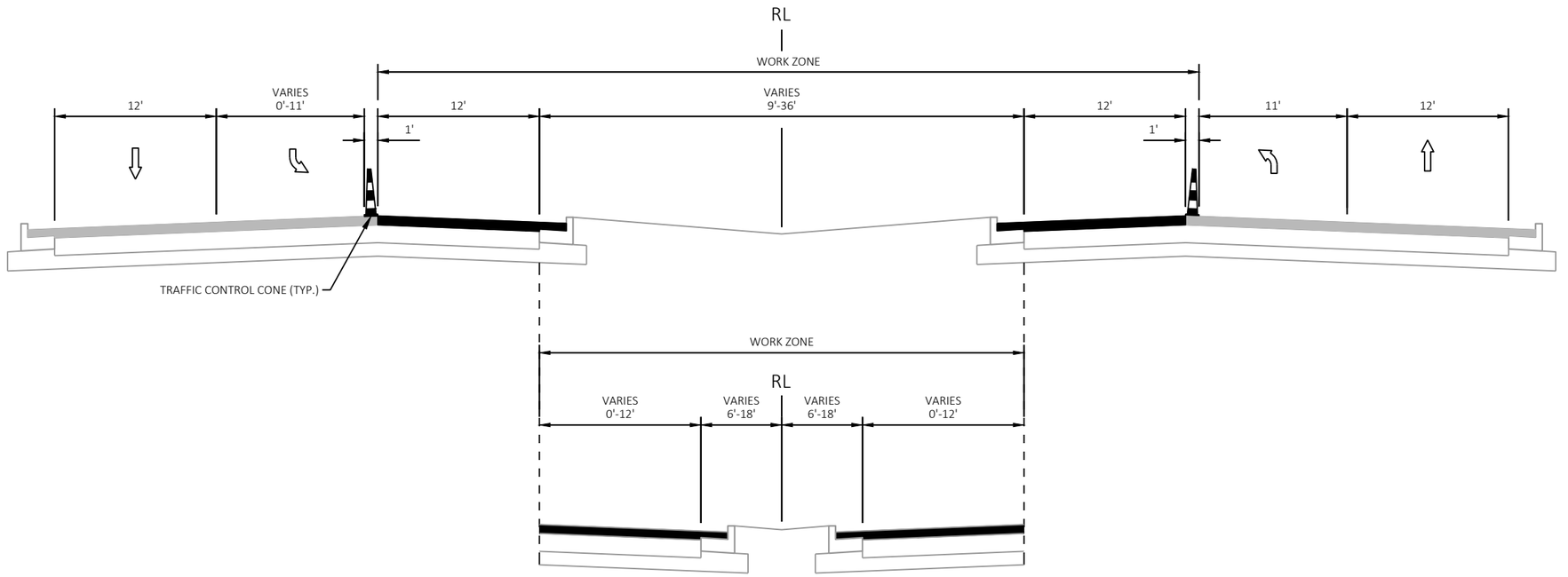
2

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TRAFFIC CONROL OVERVIEW: STH 36 AND 60TH STREET INTERSECTION	SHEET 238	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\025101-TC OV.DWG
LAYOUT NAME - 025101-tc ov
PLOT DATE : 7/3/2024 9:43 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:1000 FT
WISDOT/CADDS SHEET 42



STAGE 1 TYPICAL SECTION
STH 100
RESURFACING SEGMENT
STA. 104+48 TO STA. 125+51



STAGE 2 TYPICAL SECTION
STH 100
RESURFACING SEGMENT
STA. 104+48 TO STA. 125+51

PAVEMENT TO BE CONSTRUCTED IN CURRENT STAGE

PAVEMENT CONSTRUCTED IN PREVIOUS STAGE

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	STAGING TYPICAL SECTIONS	SHEET 239	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\025101-TC TS.DWG
LAYOUT NAME - 025101-tc-ts
PLOT DATE : 7/3/2024 9:44 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:10 FT

2

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

101+59.7
1.8' RT

290' SHIFTING TAPER

6YT

6WT 25' (TYP.)

101+60.2
12.8' RT

500'

500'

W01-4L

99+00 100+00 101+00 102+00 103+00 104+00 105+00 106+00 107+00 108+00 109+00 110+00 111+00

STH 100

11'

12'

25' (TYP.)

MATCHLINE 111+50

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

W01-6
48" X 24"

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

FOR OFF-PEAK HOUR WORK, PLACE ROAD CLOSURE BARRICADES. FOLLOW ROAD CLOSURE BARRICADE DETAIL (DETAIL C) ON STANDARD DETAIL DRAWINGS "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"

END ROAD WORK
G20-2A
48"X24"

SIDEWALK CLOSED
R9-9
24"X12"

TEMPORARY PEDESTRIAN BARRICADE

ST MARTINS ROAD

ROAD WORK AHEAD
W20-1A

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

N

LEGEND

WORK ZONE	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT
WORK TO BE COMPLETED DURING OFF-PEAK HOURS (7:00PM TO 6:00AM)	TRAFFIC CONTROL CONES 42-INCH
TRAFFIC CONTROL COVERING SIGNS	DIRECTION OF TRAFFIC
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN WITH 2 TYPE A LIGHTS	MARKING REMOVAL
TRAFFIC CONTROL SIGNS ON POST	6WT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	6YT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
TRAFFIC CONTROL ARROW BOARDS	10WT TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	AT TEMPORARY MARKING ARROW REMOVABLE TAPE

MATCHLINE 22+50 A

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

STH 36

22+00 A

21+00 A

20+00 A

19+00 A

TEMPORARY PEDESTRIAN BARRICADE

SIDEWALK CLOSED
R9-9
24"X12"

MATCHLINE 111+50

112+00 113+00 114+00 115+00 116+00 117+00 118+00 119+00 120+00 121+00 122+00 123+00 124+00 125+00

STH 100

25' (TYP.)

12.5' (TYP.)

R11-2
48"X30"
ROAD CLOSED
TYPE III BARRICADE

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

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

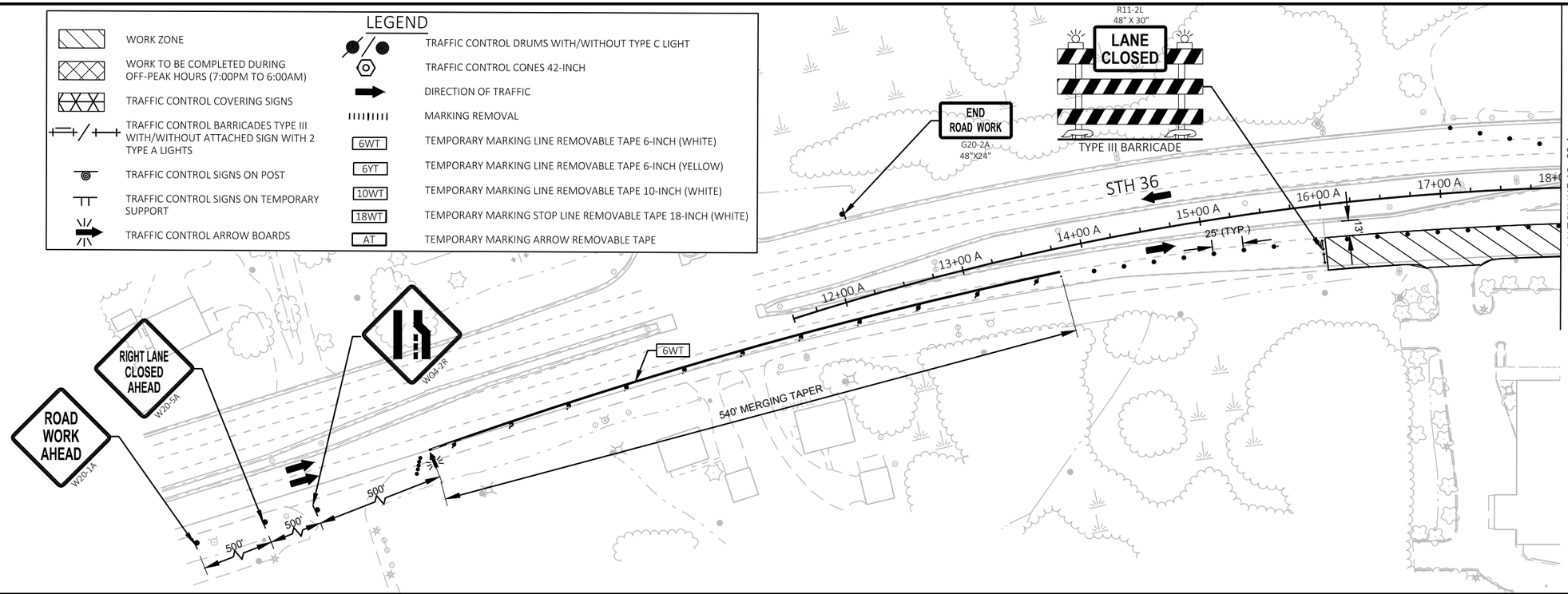
MATCHLINE 18+00 A

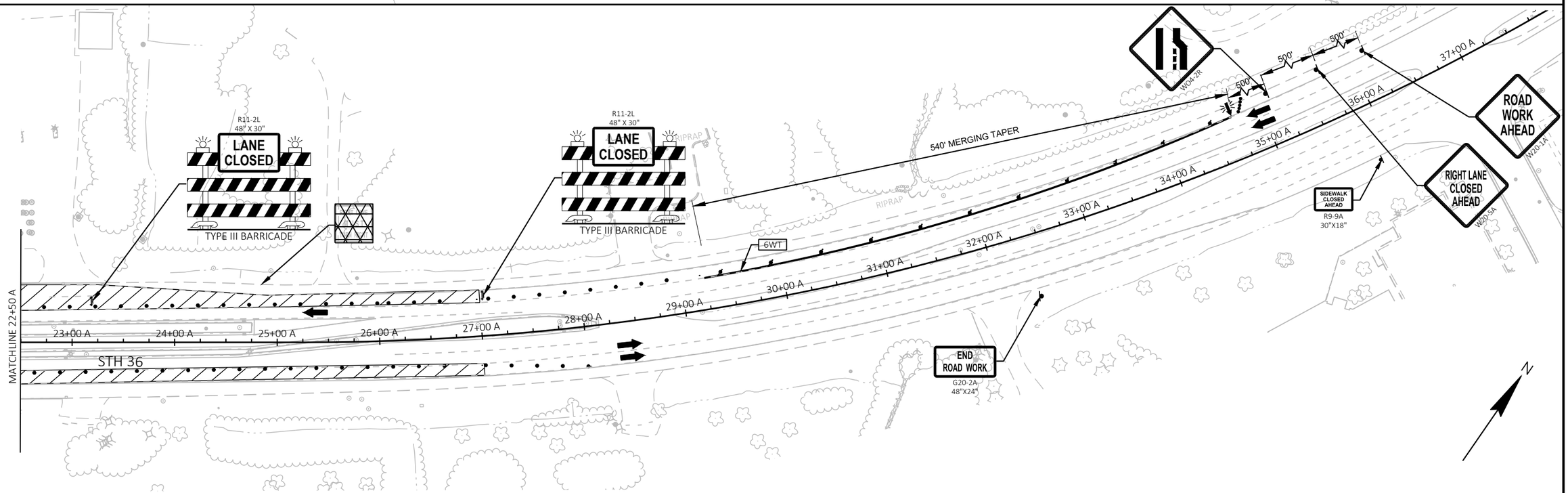
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TRAFFIC CONTROL: STH 36 INTERSECTION STAGE 1	SHEET 240	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\025101-TC.DWG
LAYOUT NAME - 025101-tc
PLOT DATE : 9/17/2024 11:07 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : ############
WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- WORK TO BE COMPLETED DURING OFF-PEAK HOURS (7:00PM TO 6:00AM)
- TRAFFIC CONTROL COVERING SIGNS
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN WITH 2 TYPE A LIGHTS
- TRAFFIC CONTROL SIGNS ON POST
- TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
- TRAFFIC CONTROL ARROW BOARDS
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- MARKING REMOVAL
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
- AT — TEMPORARY MARKING ARROW REMOVABLE TAPE





PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TRAFFIC CONTROL: STH 36 INTERSECTION STAGE 1	SHEET 241	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\025101-TC.DWG
LAYOUT NAME - 025102-tc
PLOT DATE : 9/17/2024 11:08 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

NOTE:

* ORANGE FLAGS INSTALLED ON ANY SIGNS ARE INCIDENTAL TO TRAFFIC CONTROL SIGNS

N

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

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

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

PLACE AT NORTHEAST CORNER OF STH 100 AND COBBLESTONE WAY INTERSECTION

ROAD WORK AHEAD
W20-1A

W03-1
48"X48"

STOP
R1-1
30"X30"

STH 100

60TH STREET

15' (TYP.)

225' TAPER

25' (TYP.)

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

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

LEGEND

WORK ZONE	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT
WORK TO BE COMPLETED DURING OFF-PEAK HOURS (7:00PM TO 6:00AM)	TRAFFIC CONTROL CONES 42-INCH
TRAFFIC CONTROL COVERING SIGNS	DIRECTION OF TRAFFIC
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN WITH 2 TYPE A LIGHTS	MARKING REMOVAL
TRAFFIC CONTROL SIGNS ON POST	6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
TRAFFIC CONTROL ARROW BOARDS	10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
	18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	AT — TEMPORARY MARKING ARROW REMOVABLE TAPE

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TRAFFIC CONTROL: 60TH STREET INTERSECTION STAGE 1	SHEET 242	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\025101-TC.DWG
LAYOUT NAME - 025103-tc

PLOT DATE : 9/17/2024 11:09 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : ##########

2

N

M4-60R
30"X24"

TEMPORARY PEDESTRIAN BARRICADE (TYP.)

TEMPORARY PEDESTRIAN SURFACE MATTING REQ'D

TEMPORARY PEDESTRIAN CURB RAMP REQ'D AND
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD REQ'D

TEMPORARY MARKING CROSSWALK REMOVABLE TAPE 6-INCH (TYP.)

SIDEWALK CLOSED
R9-9
24"X12"

STH 100

52+00 K

51+00 K

50+00 K

49+00 K

273+00 274+00 275+00 276+00 277+00 278+00 279+00

60TH STREET

SAN

SIDEWALK CLOSED
R9-9
24"X12"

R9-11R
24"X12"

PLACE AT SOUTHEAST CORNER OF
STH 100 AND COBBLESTONE WAY
INTERSECTION

LEGEND

WORK ZONE	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT
WORK TO BE COMPLETED DURING OFF-PEAK HOURS (7:00PM TO 6:00AM)	TRAFFIC CONTROL CONES 42-INCH
TRAFFIC CONTROL COVERING SIGNS	DIRECTION OF TRAFFIC
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN WITH 2 TYPE A LIGHTS	MARKING REMOVAL
TRAFFIC CONTROL SIGNS ON POST	6WT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	6YT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
TRAFFIC CONTROL ARROW BOARDS	10WT TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	AT TEMPORARY MARKING ARROW REMOVABLE TAPE

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TRAFFIC CONTROL: 60TH STREET INTERSECTION PEDESTRIAN ACCESS STAGE 1A	SHEET 243	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\025101A-TC.DWG
LAYOUT NAME - 025103a-tc
PLOT DATE : 7/3/2024 9:47 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

TEMPORARY PEDESTRIAN SURFACE MATTING REQ'D

M4-60L
30"X24"

M4-60R
30"X24"

TEMPORARY PEDESTRIAN ACCESS TO REMAIN FROM PREVIOUS STAGE

STH 100

52+00 K

51+00 K

50+00 K

49+00 K

273+00 274+00 275+00 276+00 277+00 278+00 279+00

N

PLACE AT NORTHEAST CORNER OF STH 100 AND COBBLESTONE WAY INTERSECTION

SIDEWALK CLOSED AHEAD
R9-9
24"X12"

SIDEWALK CLOSED AHEAD
R9-11L
24"X12"

TEMPORARY MARKING CROSSWALK REMOVABLE TAPE 6-INCH (TYP.)

TEMPORARY PEDESTRIAN BARRICADE (TYP.)

60TH STREET

SAN

LEGEND

WORK ZONE	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT
WORK TO BE COMPLETED DURING OFF-PEAK HOURS (7:00PM TO 6:00AM)	TRAFFIC CONTROL CONES 42-INCH
TRAFFIC CONTROL COVERING SIGNS	DIRECTION OF TRAFFIC
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN WITH 2 TYPE A LIGHTS	MARKING REMOVAL
TRAFFIC CONTROL SIGNS ON POST	6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
TRAFFIC CONTROL ARROW BOARDS	10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
	18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	AT — TEMPORARY MARKING ARROW REMOVABLE TAPE

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TRAFFIC CONTROL: 60TH STREET INTERSECTION PEDESTRIAN ACCESS STAGE 1B	SHEET 244	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\025101B-TC.DWG
LAYOUT NAME - 025103b-tc

PLOT DATE : 7/3/2024 9:48 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

STH 100

52+00 K

51+00 K

50+00 K

49+00 K

73+00

274+00

275+00

276+00

277+00

278+00

279+00

N

SAN

SAN

SAN

60TH STREET

LEGEND

WORK ZONE	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT
WORK TO BE COMPLETED DURING OFF-PEAK HOURS (7:00PM TO 6:00AM)	TRAFFIC CONTROL CONES 42-INCH
TRAFFIC CONTROL COVERING SIGNS	DIRECTION OF TRAFFIC
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN WITH 2 TYPE A LIGHTS	MARKING REMOVAL
TRAFFIC CONTROL SIGNS ON POST	6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
TRAFFIC CONTROL ARROW BOARDS	10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
	18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	AT — TEMPORARY MARKING ARROW REMOVABLE TAPE

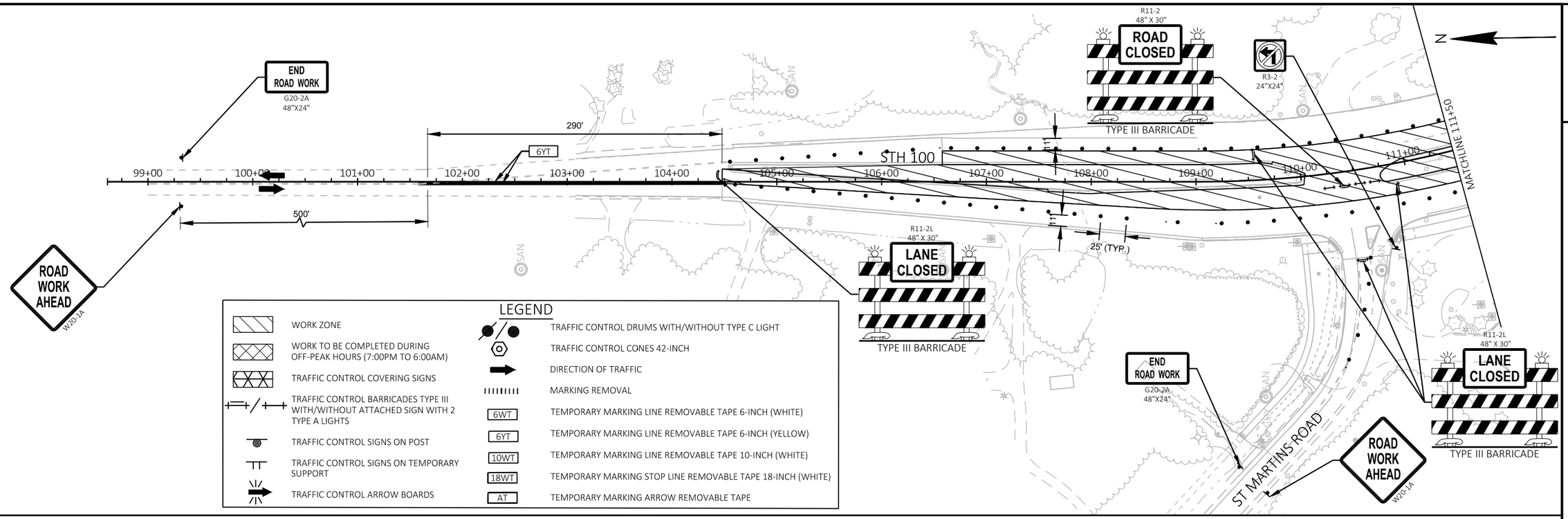
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TRAFFIC CONTROL: 60TH STREET INTERSECTION PEDESTRIAN ACCESS STAGE 1C	SHEET 245	E

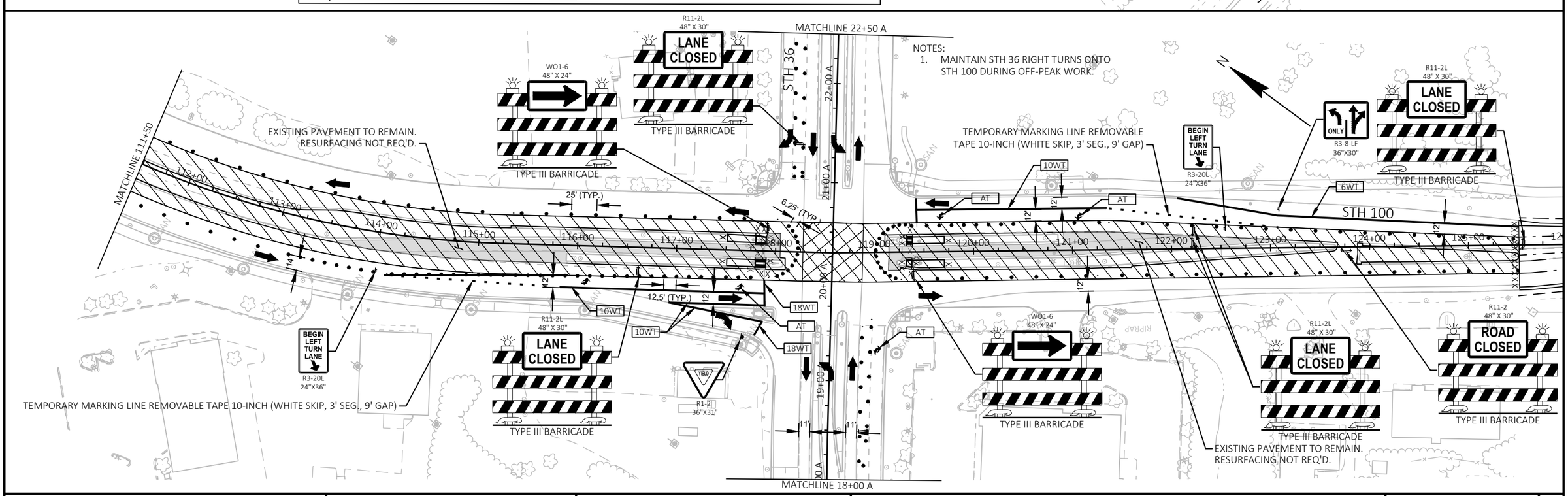
FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\025101C-TC.DWG
LAYOUT NAME - 025103c-tc

PLOT DATE : 7/3/2024 9:49 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : ##########

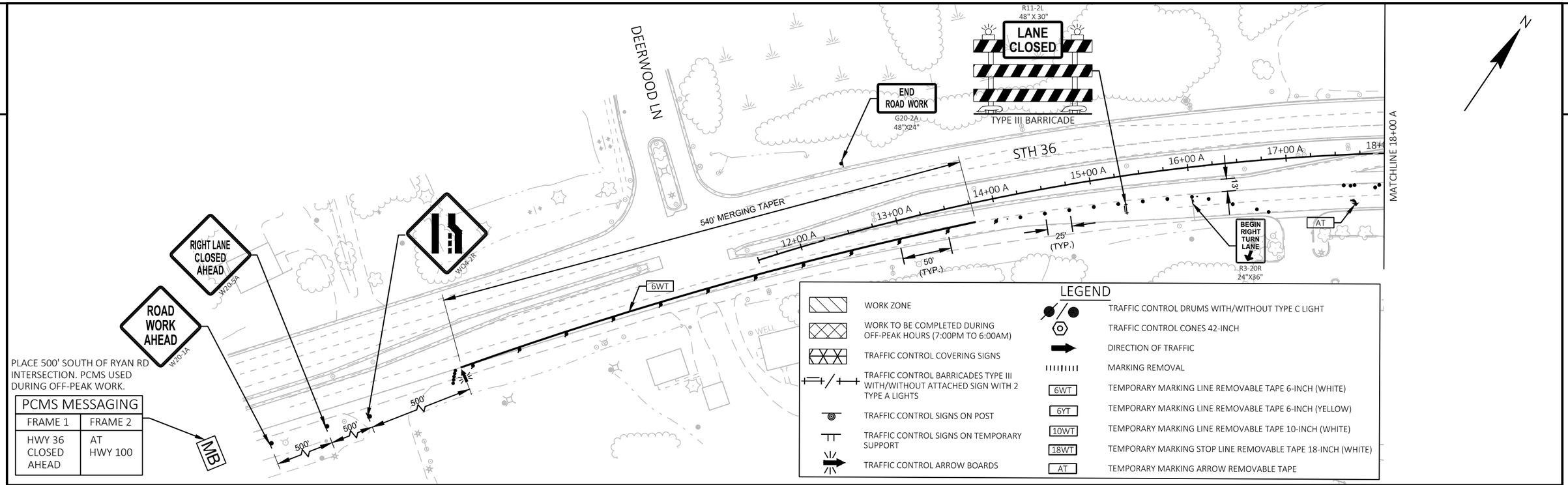
WISDOT/CADDS SHEET 42

2





PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TRAFFIC CONTROL: STH 36 INTERSECTION STAGE 2	SHEET 246	E



PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TRAFFIC CONTROL: STH 36 INTERSECTION STAGE 2	SHEET 247	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\025102-TC.DWG
LAYOUT NAME - 025202-tc
PLOT DATE : 9/17/2024 11:12 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : ##########

2

END ROAD WORK
G20-2A
48"X24"

290'

4YT

99+00 100+00 101+00 102+00 103+00 104+00 105+00 106+00 107+00 108+00 109+00 110+00 111+00

STH 100

MATCHLINE 111+50

500'

4WT

ROAD WORK AHEAD
W20-1A

25' (TYP.)

R11-2L
48" X 30"

LANE CLOSED

TYPE III BARRICADE

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

N

LEGEND

- WORK ZONE
- WORK TO BE COMPLETED DURING OFF-PEAK HOURS (7:00PM TO 6:00AM)
- TRAFFIC CONTROL COVERING SIGNS
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN WITH 2 TYPE A LIGHTS
- TRAFFIC CONTROL SIGNS ON POST
- TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
- TRAFFIC CONTROL ARROW BOARDS
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- MARKING REMOVAL
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
- AT — TEMPORARY MARKING ARROW REMOVABLE TAPE

MATCHLINE 22+50 A

R11-2L
48" X 30"

LANE CLOSED

TYPE III BARRICADE

STH 36

22+00 A

AT

18WT

SIDEWALK CLOSED
R9-9
24"X12"

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

MATCHLINE 111+50

112+00 113+00 114+00 115+00 116+00 117+00 118+00 119+00 120+00 121+00 122+00 123+00 124+00 125+00

25' (TYP.)

12'

11'

STH 100

19+00 A

24'

8YT

MATCHLINE 18+00 A

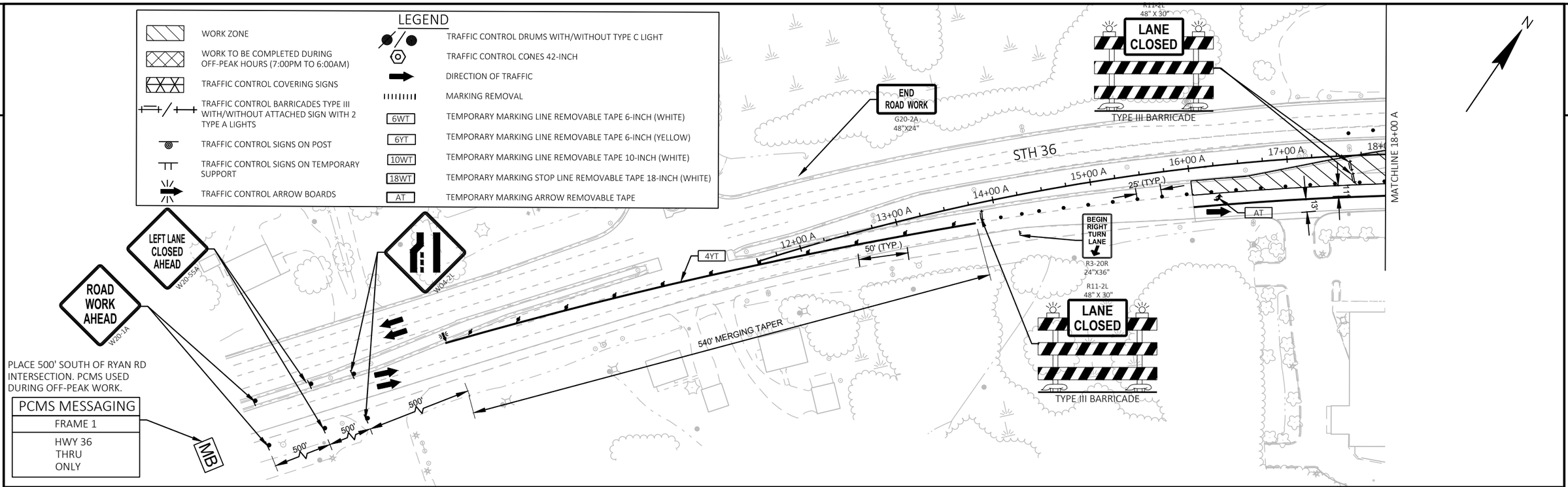
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TRAFFIC CONTROL: STH 36 INTERSECTION STAGE 3	SHEET 248	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\025103-TC.DWG
LAYOUT NAME - 025301-tc

PLOT DATE : 9/17/2024 11:14 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : ##########

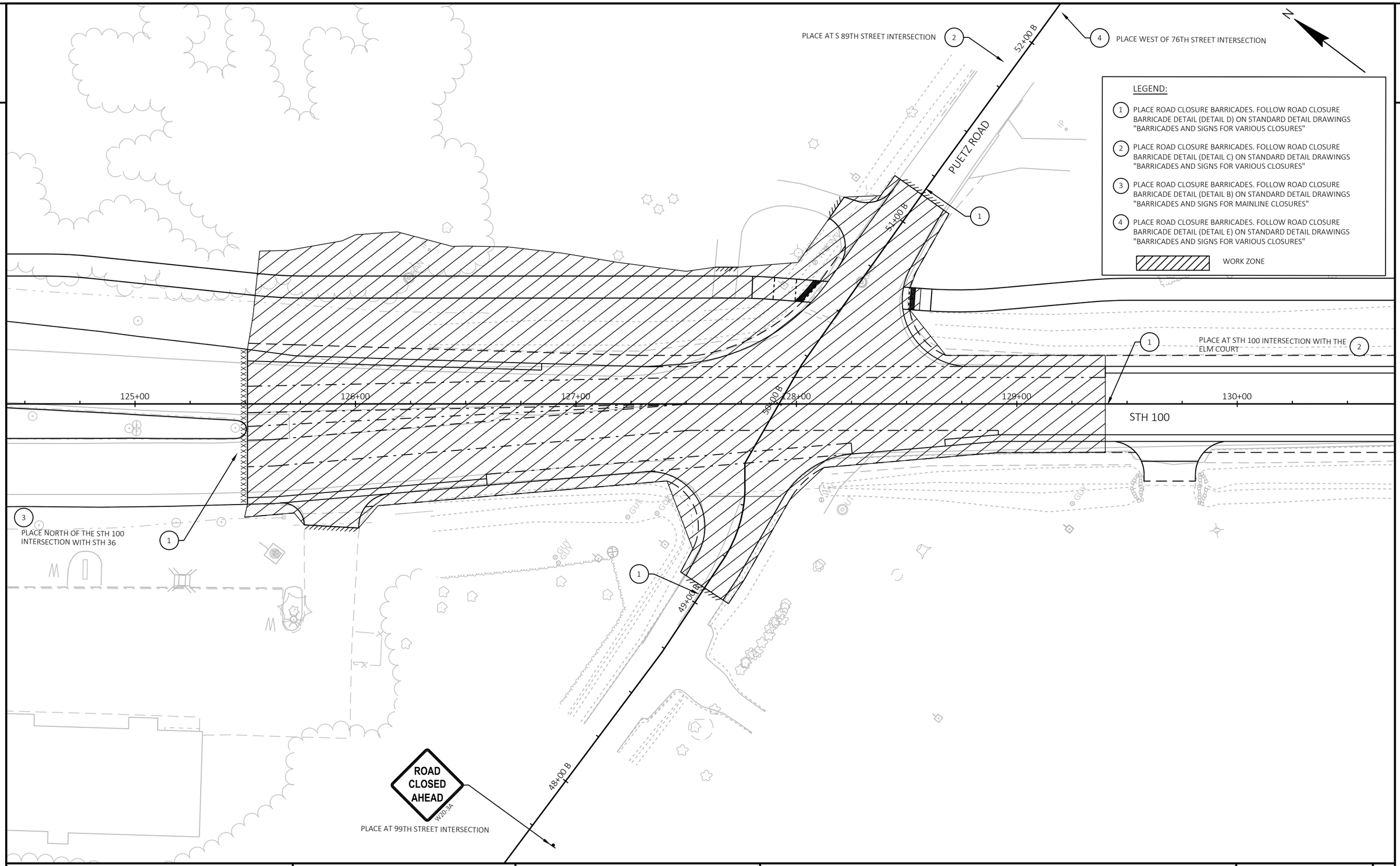
LEGEND

- WORK ZONE
- WORK TO BE COMPLETED DURING OFF-PEAK HOURS (7:00PM TO 6:00AM)
- TRAFFIC CONTROL COVERING SIGNS
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN WITH 2 TYPE A LIGHTS
- TRAFFIC CONTROL SIGNS ON POST
- TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
- TRAFFIC CONTROL ARROW BOARDS
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- MARKING REMOVAL
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
- AT — TEMPORARY MARKING ARROW REMOVABLE TAPE



PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TRAFFIC CONTROL: STH 36 INTERSECTION STAGE 3	SHEET 249	E

2



PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	TRAFFIC CONTROL: STAGE 4	SHEET 250	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\025104-TC.DWG
LAYOUT NAME - 025401-tc

PLOT DATE : 7/3/2024 9:55 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT



1. SOUTH 100 — M3-3 24"X12", M1-6 24"X24" — DETOUR AHEAD W20-2A
2. DETOUR SOUTH 100 — M4-8 24"X12", M3-3 24"X12", M1-6 24"X24"
3. END DETOUR SOUTH 100 — M4-8A 24"X18", M3-3 24"X12", M1-6 24"X24"
4. NORTH 100 — M3-1 24"X12", M1-6 24"X24" — DETOUR AHEAD W20-2A
5. DETOUR NORTH 100 — M4-8 24"X12", M3-1 24"X12", M1-6 24"X24"
6. END DETOUR NORTH 100 — M4-8A 24"X18", M3-1 24"X12", M1-6 24"X24"

A. MO6-1 21"X21"
B. MO6-1 21"X21"
C. MO6-1 21"X21"
D. MO5-1R 21"X21"
E. MO5-1L 21"X21"
F. MO5-2R 21"X21"
G. MO6-2R 21"X21"

7. NORTH 45 NORTH 100
8.
9.

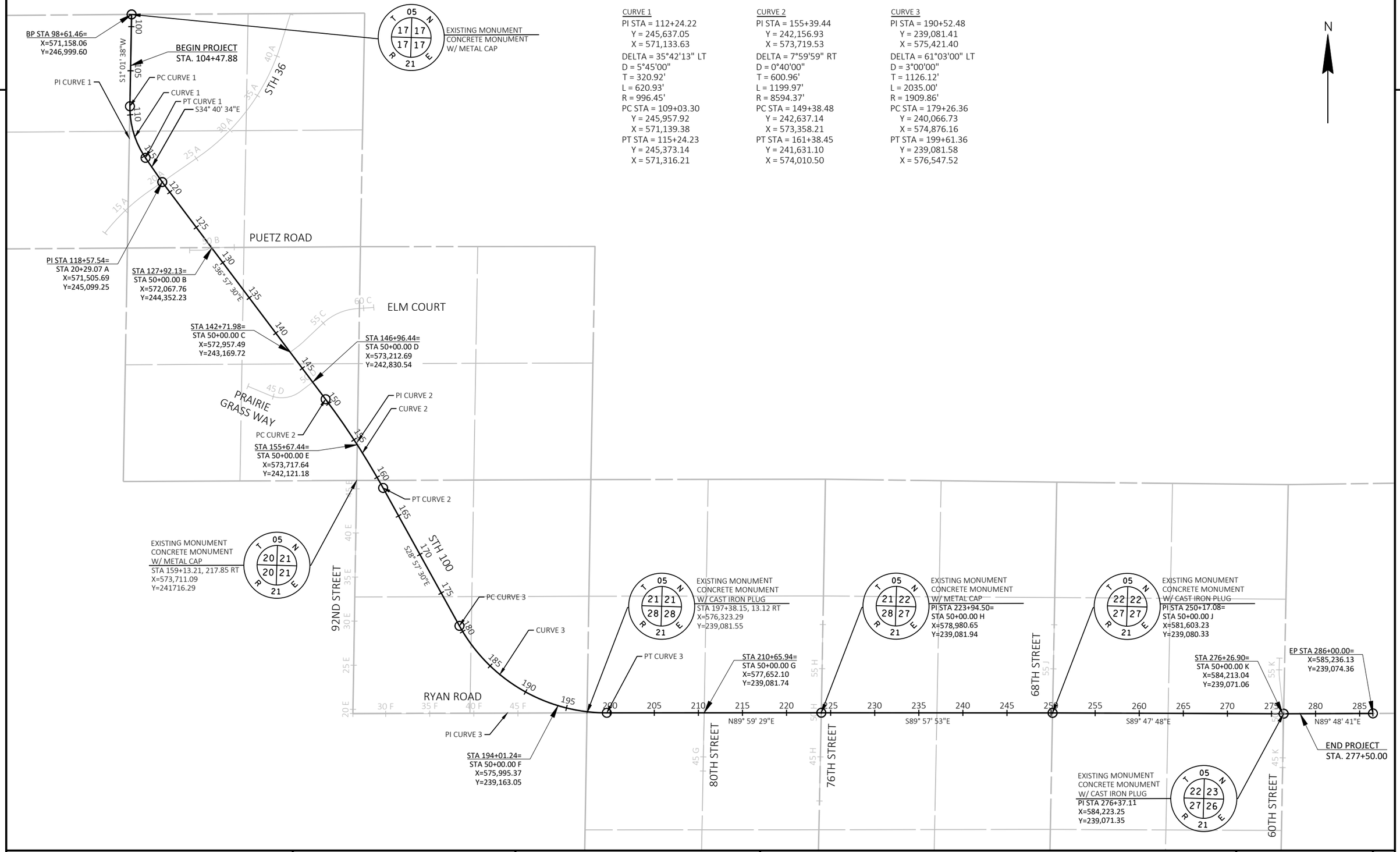
NOTES:
1. SEE STANDARD DETAIL DRAWINGS "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" AND "BARRICADES AND SIGNS FOR VARIOUS CLOSURES" FOR ROAD CLOSURE SIGN DETAILS.
2. DEPLOY PCMS 5 DAYS PRIOR TO CLOSURE.

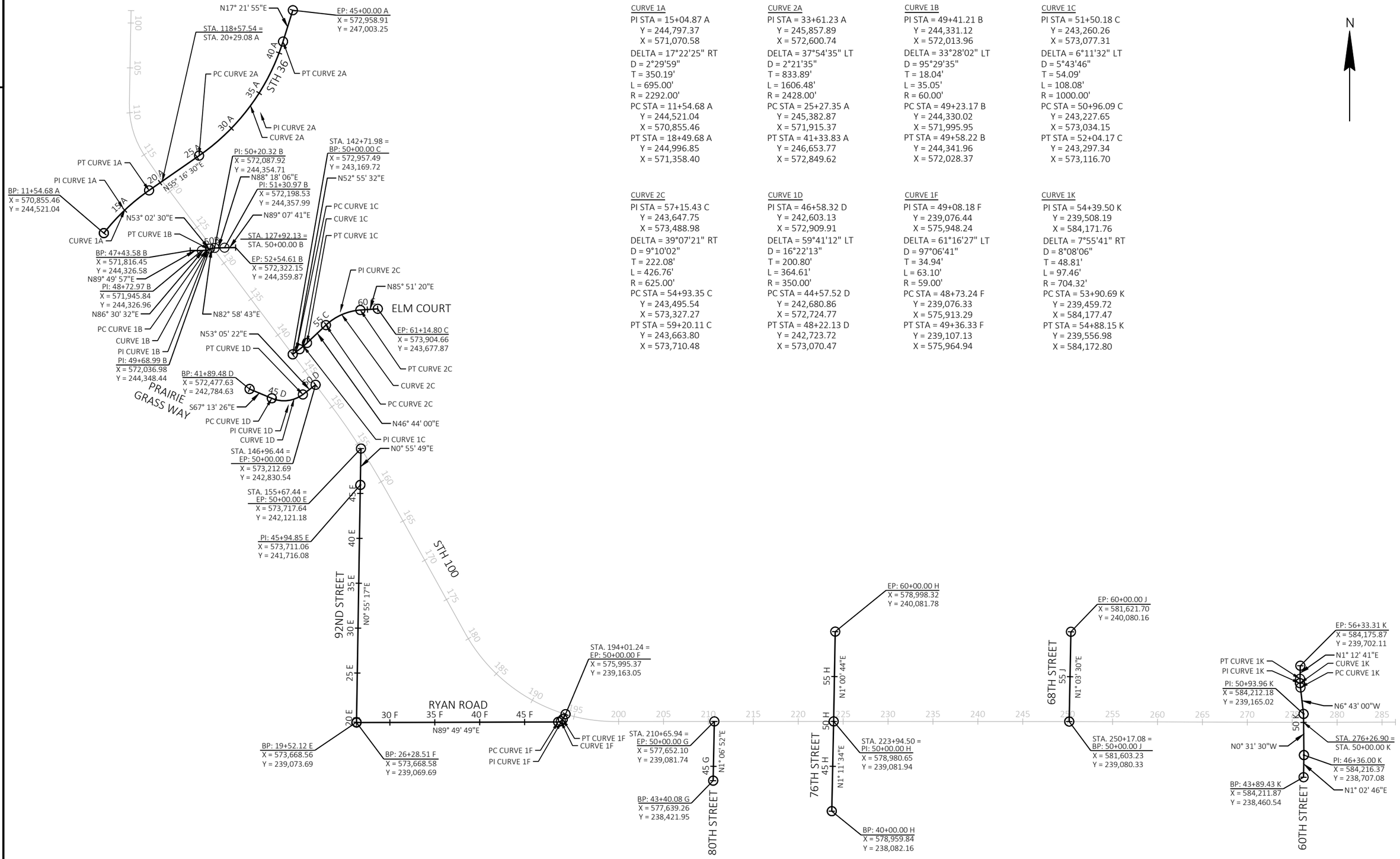
PCMS MESSAGING	
FRAME 1	FRAME 2
HWY 100 TO CLOSE	BEGINS XXXDAY (DAY OF WEEK) XX/XX (DATE)

MB — TRAFFIC CONTROL SIGNS PCMS
WORK ZONE
TRAFFIC CONTROL COVERING SIGNS

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	DETOUR	SHEET 251	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\027001-DT.DWG
LAYOUT NAME - 027001-dt
PLOT DATE : 9/19/2024 8:53 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : 1 IN:.0.8 MI
WISDOT/CADDS SHEET 42


BP STA 98+61.46=
X=571,158.06
Y=246,999.60
BEGIN PROJECT
STA. 104+47.88
S1° 10' 38"W
PI CURVE 1
PC CURVE 1
CURVE 1
PT CURVE 1
S34° 40' 34"E
STH 36
EXISTING MONUMENT
CONCRETE MONUMENT
W/ METAL CAP
PUETZ ROAD
PI STA 118+57.54=
STA 20+29.07 A
X=571,505.69
Y=245,099.25
STA 127+92.13=
STA 50+00.00 B
X=572,067.76
Y=244,352.23
S56° 57' 30"E
ELM COURT
STA 142+71.98=
STA 50+00.00 C
X=572,957.49
Y=243,169.72
STA 146+96.44=
STA 50+00.00 D
X=573,212.69
Y=242,830.54
PRAIRIE
GRASS WAY
PI CURVE 2
CURVE 2
PC CURVE 2
STA 155+67.44=
STA 50+00.00 E
X=573,717.64
Y=242,121.18
PT CURVE 2
EXISTING MONUMENT
CONCRETE MONUMENT
W/ METAL CAP
STA 159+13.21, 217.85 RT
X=573,711.09
Y=241716.29
S28° 57' 30"E
STH 100
PC CURVE 3
CURVE 3
PT CURVE 3
92ND STREET
RYAN ROAD
PI CURVE 3
STA 194+01.24=
STA 50+00.00 F
X=575,995.37
Y=239,163.05
EXISTING MONUMENT
CONCRETE MONUMENT
W/ CAST IRON PLUG
STA 197+38.15, 13.12 RT
X=576,323.29
Y=239,081.55
STA 210+65.94=
STA 50+00.00 G
X=577,652.10
Y=239,081.74
N89° 59' 29"E
80TH STREET
EXISTING MONUMENT
CONCRETE MONUMENT
W/ METAL CAP
PI STA 223+94.50=
STA 50+00.00 H
X=578,980.65
Y=239,081.94
S89° 57' 53"E
76TH STREET
68TH STREET
EXISTING MONUMENT
CONCRETE MONUMENT
W/ CAST IRON PLUG
PI STA 250+17.08=
STA 50+00.00 J
X=581,603.23
Y=239,080.33
STA 276+26.90=
STA 50+00.00 K
X=584,213.04
Y=239,071.06
S89° 47' 48"E
EP STA 286+00.00=
X=585,236.13
Y=239,074.36
N89° 48' 41"E
END PROJECT
STA. 277+50.00
EXISTING MONUMENT
CONCRETE MONUMENT
W/ CAST IRON PLUG
PI STA 276+37.11
X=584,223.25
Y=239,071.35
60TH STREET
EXISTING MONUMENT
CONCRETE MONUMENT
W/ METAL CAP
PI STA 223+94.50=
STA 50+00.00 H
X=578,980.65
Y=239,081.94
EXISTING MONUMENT
CONCRETE MONUMENT
W/ CAST IRON PLUG
PI STA 250+17.08=
STA 50+00.00 J
X=581,603.23
Y=239,080.33
EXISTING MONUMENT
CONCRETE MONUMENT
W/ CAST IRON PLUG
STA 197+38.15, 13.12 RT
X=576,323.29
Y=239,081.55
EXISTING MONUMENT
CONCRETE MONUMENT
W/ METAL CAP
STA 159+13.21, 217.85 RT
X=573,711.09
Y=241716.29
EXISTING MONUMENT
CONCRETE MONUMENT
W/ METAL CAP
PI STA 223+94.50=
STA 50+00.00 H
X=578,980.65
Y=239,081.94
EXISTING MONUMENT
CONCRETE MONUMENT
W/ CAST IRON PLUG
PI STA 250+17.08=
STA 50+00.00 J
X=581,603.23
Y=239,080.33
EXISTING MONUMENT
CONCRETE MONUMENT
W/ CAST IRON PLUG
PI STA 276+37.11
X=584,223.25
Y=239,071.35
EXISTING MONUMENT
CONCRETE MONUMENT
W/ METAL CAP
STA 159+13.21, 217.85 RT
X=573,711.09
Y=241716.29
EXISTING MONUMENT
CONCRETE MONUMENT
W/ CAST IRON PLUG
STA 197+38.15, 13.12 RT
X=576,323.29
Y=239,081.55



CURVE 1A
PI STA = 15+04.87 A
Y = 244,797.37
X = 571,070.58
DELTA = 17°22'25" RT
D = 2°29'59"
T = 350.19'
L = 695.00'
R = 2292.00'
PC STA = 11+54.68 A
Y = 244,521.04
X = 570,855.46
PT STA = 18+49.68 A
Y = 244,996.85
X = 571,358.40

CURVE 2A
PI STA = 33+61.23 A
Y = 245,857.89
X = 572,600.74
DELTA = 37°54'35" LT
D = 2°21'35"
T = 833.89'
L = 1606.48'
R = 2428.00'
PC STA = 25+27.35 A
Y = 245,382.87
X = 571,915.37
PT STA = 41+33.83 A
Y = 246,653.77
X = 572,849.62

CURVE 1B
PI STA = 49+41.21 B
Y = 244,331.12
X = 572,013.96
DELTA = 33°28'02" LT
D = 95°29'35"
T = 18.04'
L = 35.05'
R = 60.00'
PC STA = 49+23.17 B
Y = 244,330.02
X = 571,995.95
PT STA = 49+58.22 B
Y = 244,341.96
X = 572,028.37

CURVE 1C
PI STA = 51+50.18 C
Y = 243,260.26
X = 573,077.31
DELTA = 6°11'32" LT
D = 5°43'46"
T = 54.09'
L = 108.08'
R = 1000.00'
PC STA = 50+96.09 C
Y = 243,227.65
X = 573,034.15
PT STA = 52+04.17 C
Y = 243,297.34
X = 573,116.70

CURVE 2C
PI STA = 57+15.43 C
Y = 243,647.75
X = 573,488.98
DELTA = 39°07'21" RT
D = 9°10'02"
T = 222.08'
L = 426.76'
R = 625.00'
PC STA = 54+93.35 C
Y = 243,495.54
X = 573,327.27
PT STA = 59+20.11 C
Y = 243,663.80
X = 573,710.48

CURVE 1D
PI STA = 46+58.32 D
Y = 242,603.13
X = 572,909.91
DELTA = 59°41'12" LT
D = 16°22'13"
T = 200.80'
L = 364.61'
R = 350.00'
PC STA = 44+57.52 D
Y = 242,680.86
X = 572,724.77
PT STA = 48+22.13 D
Y = 242,723.72
X = 573,070.47

CURVE 1F
PI STA = 49+08.18 F
Y = 239,076.44
X = 575,948.24
DELTA = 61°16'27" LT
D = 97°06'41"
T = 34.94'
L = 63.10'
R = 59.00'
PC STA = 48+73.24 F
Y = 239,076.33
X = 575,913.29
PT STA = 49+36.33 F
Y = 239,107.13
X = 575,964.94

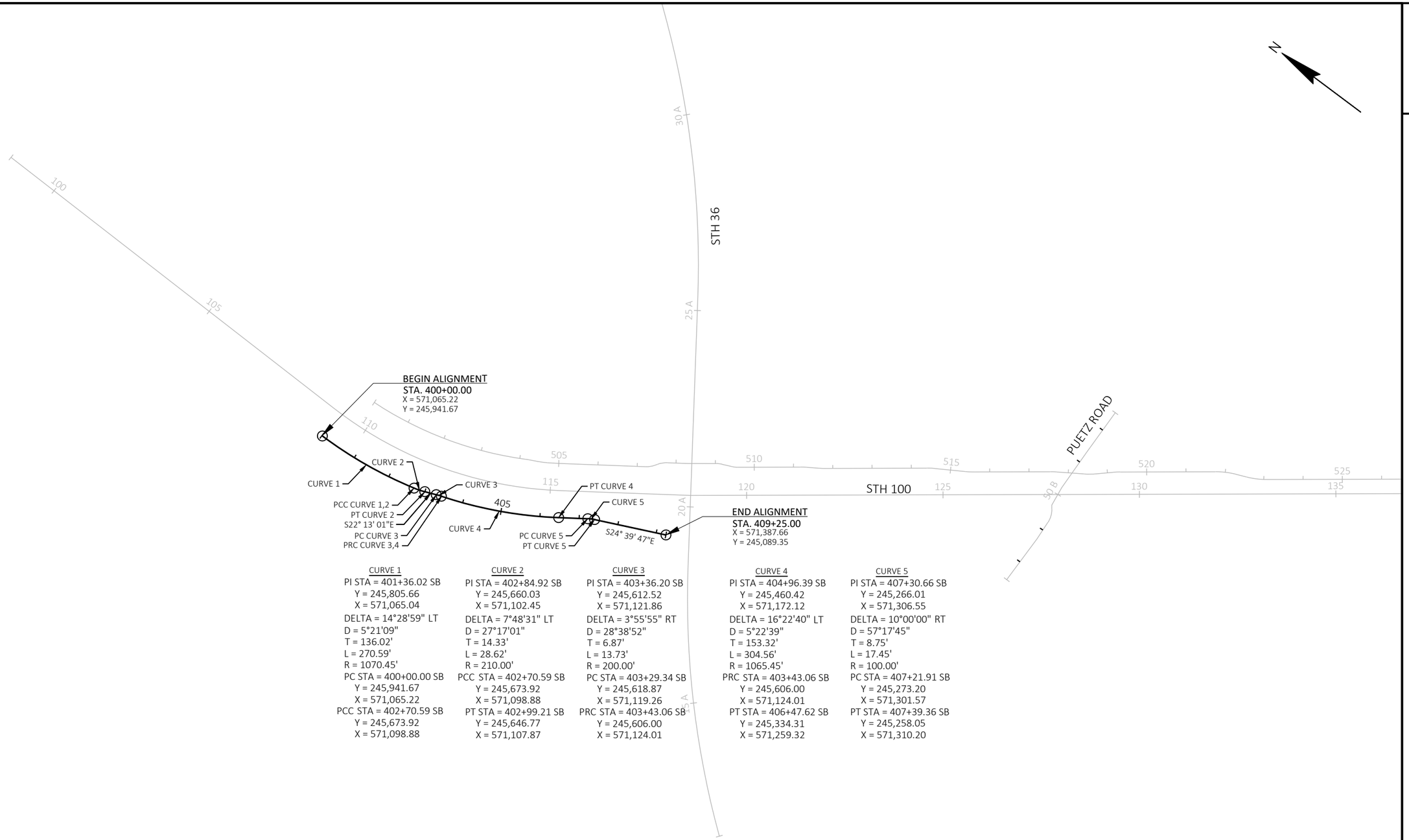
CURVE 1K
PI STA = 54+39.50 K
Y = 239,508.19
X = 584,171.76
DELTA = 7°55'41" RT
D = 8°08'06"
T = 48.81'
L = 97.46'
R = 704.32'
PC STA = 53+90.69 K
Y = 239,459.72
X = 584,177.47
PT STA = 54+88.15 K
Y = 239,556.98
X = 584,172.80

N

2

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	ALIGNMENT DETAILS SIDEROADS	SHEET 253	E

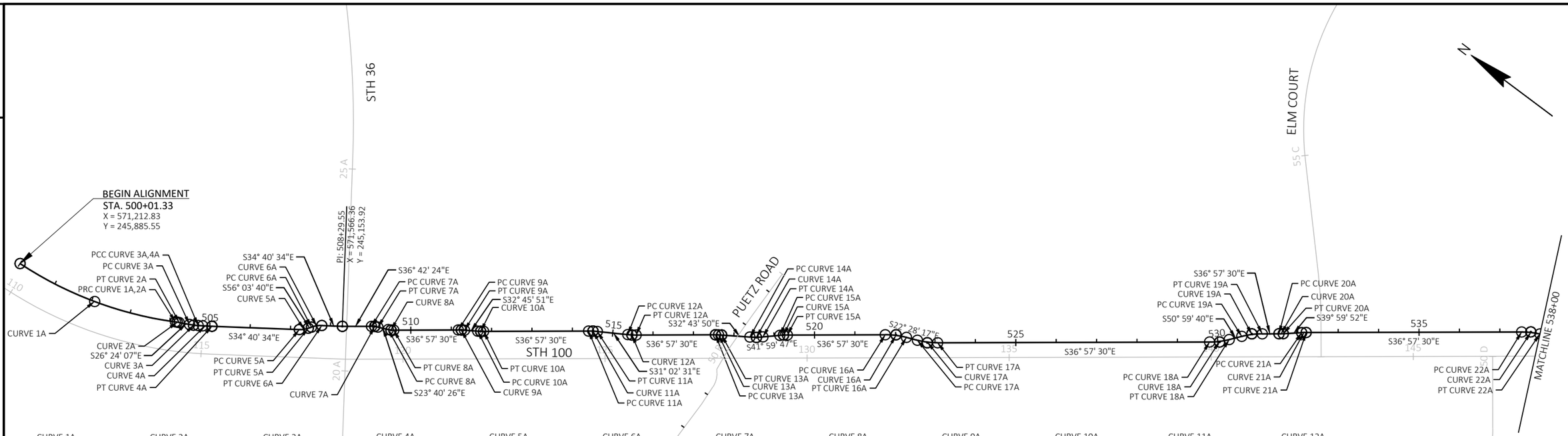
FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\027202-AD.DWG
LAYOUT NAME - 027202-ad
PLOT DATE : 4/18/2024 8:22 AM
PLOT BY : NOTSON, ERIC
PLOT NAME :
PLOT SCALE : 1 IN:1000 FT
WISDOT/CADDS SHEET 42



CURVE 1	CURVE 2	CURVE 3	CURVE 4	CURVE 5
PI STA = 401+36.02 SB	PI STA = 402+84.92 SB	PI STA = 403+36.20 SB	PI STA = 404+96.39 SB	PI STA = 407+30.66 SB
Y = 245,805.66	Y = 245,660.03	Y = 245,612.52	Y = 245,460.42	Y = 245,266.01
X = 571,065.04	X = 571,102.45	X = 571,121.86	X = 571,172.12	X = 571,306.55
DELTA = 14°28'59" LT	DELTA = 7°48'31" LT	DELTA = 3°55'55" RT	DELTA = 16°22'40" LT	DELTA = 10°00'00" RT
D = 5°21'09"	D = 27°17'01"	D = 28°38'52"	D = 5°22'39"	D = 57°17'45"
T = 136.02'	T = 14.33'	T = 6.87'	T = 153.32'	T = 8.75'
L = 270.59'	L = 28.62'	L = 13.73'	L = 304.56'	L = 17.45'
R = 1070.45'	R = 210.00'	R = 200.00'	R = 1065.45'	R = 100.00'
PC STA = 400+00.00 SB	PCC STA = 402+70.59 SB	PC STA = 403+29.34 SB	PRC STA = 403+43.06 SB	PC STA = 407+21.91 SB
Y = 245,941.67	Y = 245,673.92	Y = 245,618.87	Y = 245,606.00	Y = 245,273.20
X = 571,065.22	X = 571,098.88	X = 571,119.26	X = 571,124.01	X = 571,301.57
PCC STA = 402+70.59 SB	PT STA = 402+99.21 SB	PRC STA = 403+43.06 SB	PT STA = 406+47.62 SB	PT STA = 407+39.36 SB
Y = 245,673.92	Y = 245,646.77	Y = 245,606.00	Y = 245,334.31	Y = 245,258.05
X = 571,098.88	X = 571,107.87	X = 571,124.01	X = 571,259.32	X = 571,310.20

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	ALIGNMENT DETAILS MULTIUSE PATH SB	SHEET 254	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\027203-AD.DWG
LAYOUT NAME - 027203-ad
PLOT DATE : 4/18/2024 8:22 AM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:250 FT
WISDOT/CADDS SHEET 42



CURVE 1A
PI STA = 502+10.55
Y = 245,675.37
X = 571,225.24
DELTA = 25°39'42" LT
D = 6°11'52"
T = 210.55'
L = 414.05'
R = 924.45'
PC STA = 500+00.00
Y = 245,885.55
X = 571,212.83
PRC STA = 504+14.05
Y = 245,491.28
X = 571,327.45

CURVE 2A
PI STA = 504+18.88
Y = 245,487.05
X = 571,329.80
DELTA = 2°38'23" RT
D = 27°17'01"
T = 4.84'
L = 9.68'
R = 210.00'
PRC STA = 504+14.05
Y = 245,491.28
X = 571,327.45
PT STA = 504+23.72
Y = 245,482.72
X = 571,331.95

CURVE 3A
PI STA = 504+60.33
Y = 245,449.93
X = 571,348.23
DELTA = 6°09'45" LT
D = 28°38'52"
T = 10.77'
L = 21.51'
R = 200.00'
PC STA = 504+49.56
Y = 245,459.57
X = 571,343.45
PCC STA = 504+71.08
Y = 245,440.86
X = 571,354.03

CURVE 4A
PI STA = 504+88.17
Y = 245,426.45
X = 571,363.23
DELTA = 2°06'42" LT
D = 6°10'40"
T = 17.09'
L = 34.18'
R = 927.45'
PCC STA = 504+71.08
Y = 245,440.86
X = 571,354.03
PT STA = 505+05.26
Y = 245,412.39
X = 571,372.95

CURVE 5A
PI STA = 507+33.16
Y = 245,224.97
X = 571,502.61
DELTA = 21°23'06" LT
D = 95°29'35"
T = 11.33'
L = 22.39'
R = 60.00'
PC STA = 507+21.83
Y = 245,234.29
X = 571,496.17
PT STA = 507+44.22
Y = 245,218.65
X = 571,512.01

CURVE 6A
PI STA = 507+65.80
Y = 245,206.60
X = 571,529.92
DELTA = 21°23'06" RT
D = 81°51'04"
T = 13.22'
L = 26.13'
R = 70.00'
PC STA = 507+52.58
Y = 245,213.98
X = 571,518.95
PT STA = 507+78.71
Y = 245,195.73
X = 571,537.44

CURVE 7A
PI STA = 509+09.61
Y = 245,089.74
X = 571,614.21
DELTA = 13°01'58" RT
D = 81°51'04"
T = 8.00'
L = 15.92'
R = 70.00'
PC STA = 509+01.61
Y = 245,096.15
X = 571,609.43
PT STA = 509+17.53
Y = 245,082.42
X = 571,617.42

CURVE 8A
PI STA = 509+50.88
Y = 245,051.88
X = 571,630.81
DELTA = 13°17'03" LT
D = 95°29'35"
T = 6.99'
L = 13.91'
R = 60.00'
PC STA = 509+43.89
Y = 245,058.28
X = 571,628.01
PT STA = 509+57.80
Y = 245,046.29
X = 571,635.01

CURVE 9A
PI STA = 511+25.00
Y = 244,912.69
X = 571,735.53
DELTA = 4°11'39" RT
D = 27°17'01"
T = 7.69'
L = 15.37'
R = 210.00'
PC STA = 511+17.31
Y = 244,918.84
X = 571,730.91
PT STA = 511+32.68
Y = 244,906.23
X = 571,739.70

CURVE 10A
PI STA = 511+72.85
Y = 244,872.45
X = 571,761.43
DELTA = 4°11'39" LT
D = 28°38'52"
T = 7.32'
L = 14.64'
R = 200.00'
PC STA = 511+65.53
Y = 244,878.61
X = 571,757.47
PT STA = 511+80.17
Y = 244,866.60
X = 571,765.84

CURVE 11A
PI STA = 514+50.72
Y = 244,650.40
X = 571,928.51
DELTA = 5°54'59" RT
D = 27°17'01"
T = 10.85'
L = 21.68'
R = 210.00'
PC STA = 514+39.87
Y = 244,659.07
X = 571,921.98
PT STA = 514+61.56
Y = 244,641.10
X = 571,934.10

CURVE 12A
PI STA = 515+47.72
Y = 244,567.28
X = 571,978.53
DELTA = 5°54'59" LT
D = 28°38'52"
T = 10.34'
L = 20.65'
R = 200.00'
PC STA = 515+37.39
Y = 244,576.13
X = 571,973.20
PT STA = 515+58.04
Y = 244,559.02
X = 571,984.75

CURVE 13A
PI STA = 517+62.04
Y = 244,396.01
X = 572,107.40
DELTA = 4°13'40" RT
D = 27°24'51"
T = 7.71'
L = 15.42'
R = 209.00'
PC STA = 517+54.32
Y = 244,402.17
X = 572,102.76
PT STA = 517+69.74
Y = 244,389.52
X = 572,111.57

CURVE 14A
PI STA = 518+55.94
Y = 244,317.01
X = 572,158.18
DELTA = 9°15'57" LT
D = 28°38'52"
T = 16.21'
L = 32.34'
R = 200.00'
PC STA = 518+39.74
Y = 244,330.64
X = 572,149.41
PT STA = 518+72.08
Y = 244,304.96
X = 572,169.02

CURVE 15A
PI STA = 519+23.32
Y = 244,266.88
X = 572,203.31
DELTA = 5°02'17" RT
D = 27°17'01"
T = 9.24'
L = 18.47'
R = 210.00'
PC STA = 519+14.08
Y = 244,273.75
X = 572,197.12
PT STA = 519+32.55
Y = 244,259.50
X = 572,208.86

CURVE 16A
PI STA = 522+01.58
Y = 244,044.53
X = 572,370.61
DELTA = 14°29'13" RT
D = 27°17'01"
T = 26.69'
L = 53.10'
R = 210.00'
PC STA = 521+74.88
Y = 244,065.85
X = 572,354.56
PT STA = 522+27.98
Y = 244,019.86
X = 572,380.81

CURVE 17A
PI STA = 522+81.24
Y = 243,970.65
X = 572,401.17
DELTA = 14°29'13" LT
D = 28°38'52"
T = 25.42'
L = 50.57'
R = 200.00'
PC STA = 522+55.82
Y = 243,994.14
X = 572,391.45
PT STA = 523+06.39
Y = 243,950.34
X = 572,416.45

CURVE 18A
PI STA = 530+04.21
Y = 243,392.73
X = 572,836.00
DELTA = 14°02'10" LT
D = 28°38'52"
T = 24.62'
L = 49.00'
R = 200.00'
PC STA = 529+79.59
Y = 243,412.40
X = 572,821.20
PT STA = 530+28.58
Y = 243,377.23
X = 572,855.13

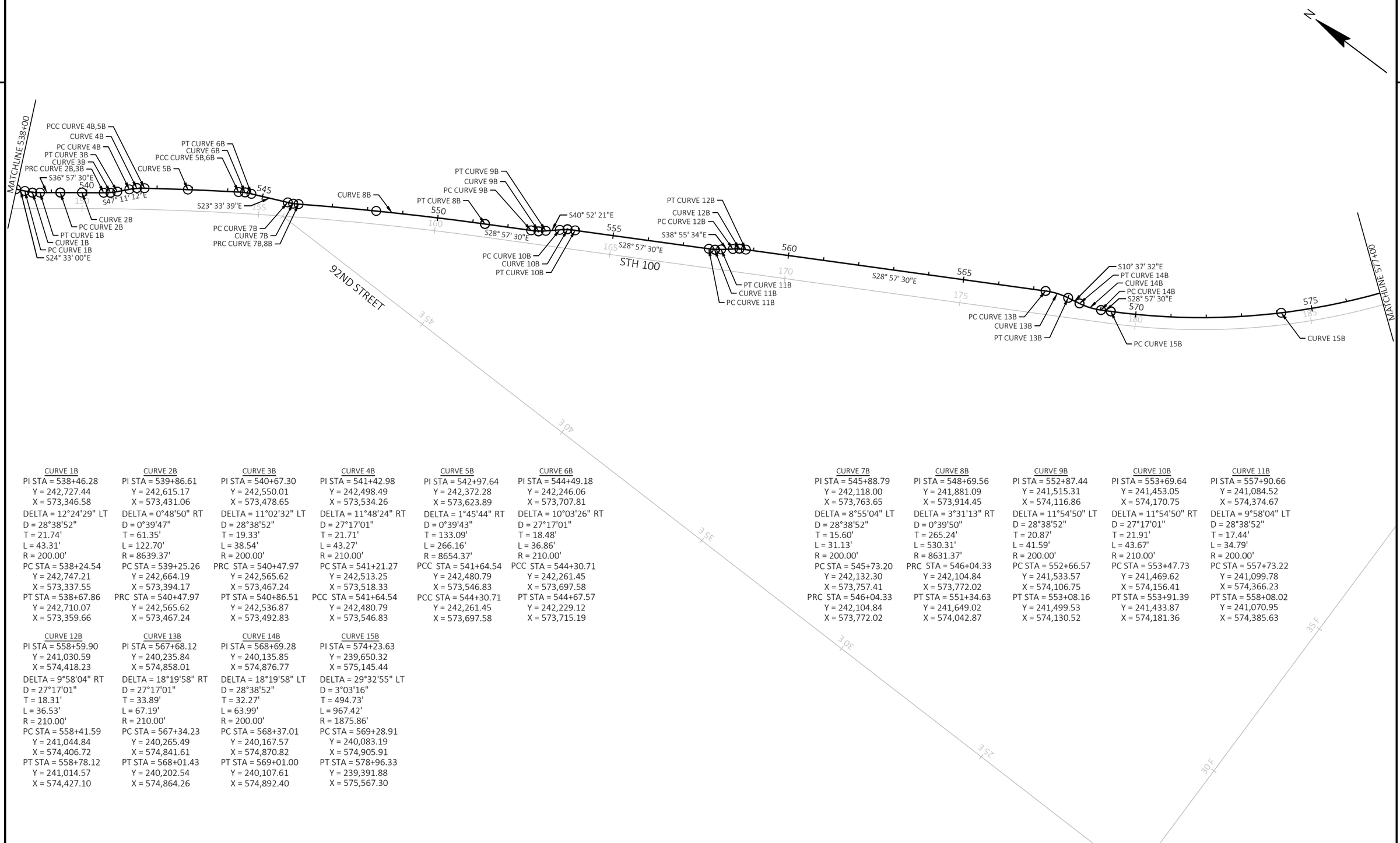
CURVE 19A
PI STA = 530+86.42
Y = 243,340.83
X = 572,900.08
DELTA = 14°02'10" RT
D = 27°17'01"
T = 25.85'
L = 51.45'
R = 210.00'
PC STA = 530+60.57
Y = 243,357.10
X = 572,879.99
PT STA = 531+12.02
Y = 243,320.17
X = 572,915.62

CURVE 20A
PI STA = 531+58.50
Y = 243,283.02
X = 572,943.57
DELTA = 3°02'23" LT
D = 28°38'52"
T = 5.31'
L = 10.61'
R = 200.00'
PC STA = 531+53.20
Y = 243,287.26
X = 572,940.38
PT STA = 531+63.81
Y = 243,278.96
X = 572,946.99

CURVE 21A
PI STA = 532+15.08
Y = 243,239.68
X = 572,979.94
DELTA = 3°02'23" RT
D = 27°17'01"
T = 5.57'
L = 11.14'
R = 210.00'
PC STA = 532+09.51
Y = 243,243.95
X = 572,976.36
PT STA = 532+20.65
Y = 243,235.23
X = 572,983.29

CURVE 22A
PI STA = 537+76.65
Y = 242,790.94
X = 573,317.58
DELTA = 12°24'29" RT
D = 27°17'01"
T = 22.83'
L = 45.48'
R = 210.00'
PC STA = 537+53.83
Y = 242,809.18
X = 573,303.85
PT STA = 537+99.30
Y = 242,770.17
X = 573,327.06

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	ALIGNMENT DETAILS MULTIUSE PATH	SHEET 255	E



CURVE 1B
PI STA = 538+46.28
Y = 242,727.44
X = 573,346.58
DELTA = 12°24'29" LT
D = 28°38'52"
T = 21.74'
L = 43.31'
R = 200.00'
PC STA = 538+24.54
Y = 242,747.21
X = 573,337.55
PT STA = 538+67.86
Y = 242,710.07
X = 573,359.66

CURVE 2B
PI STA = 539+86.61
Y = 242,615.17
X = 573,431.06
DELTA = 0°48'50" RT
D = 0°39'47"
T = 61.35'
L = 122.70'
R = 8639.37'
PC STA = 539+25.26
Y = 242,664.19
X = 573,394.17
PRC STA = 540+47.97
Y = 242,565.62
X = 573,467.24

CURVE 3B
PI STA = 540+67.30
Y = 242,550.01
X = 573,478.65
DELTA = 11°02'32" LT
D = 28°38'52"
T = 19.33'
L = 38.54'
R = 200.00'
PRC STA = 540+47.97
Y = 242,565.62
X = 573,467.24
PT STA = 540+86.51
Y = 242,536.87
X = 573,492.83

CURVE 4B
PI STA = 541+42.98
Y = 242,498.49
X = 573,534.26
DELTA = 11°48'24" RT
D = 27°17'01"
T = 21.71'
L = 43.27'
R = 210.00'
PC STA = 541+21.27
Y = 242,513.25
X = 573,518.33
PCC STA = 541+64.54
Y = 242,480.79
X = 573,546.83

CURVE 5B
PI STA = 542+97.64
Y = 242,372.28
X = 573,623.89
DELTA = 1°45'44" RT
D = 0°39'43"
T = 133.09'
L = 266.16'
R = 8654.37'
PCC STA = 541+64.54
Y = 242,480.79
X = 573,546.83
PCC STA = 544+30.71
Y = 242,261.45
X = 573,697.58

CURVE 6B
PI STA = 544+49.18
Y = 242,246.06
X = 573,707.81
DELTA = 10°03'26" RT
D = 27°17'01"
T = 18.48'
L = 36.86'
R = 210.00'
PCC STA = 544+30.71
Y = 242,261.45
X = 573,697.58
PT STA = 544+67.57
Y = 242,229.12
X = 573,715.19

CURVE 7B
PI STA = 545+88.79
Y = 242,118.00
X = 573,763.65
DELTA = 8°55'04" LT
D = 28°38'52"
T = 15.60'
L = 31.13'
R = 200.00'
PC STA = 545+73.20
Y = 242,132.30
X = 573,757.41
PRC STA = 546+04.33
Y = 242,104.84
X = 573,772.02

CURVE 8B
PI STA = 548+69.56
Y = 241,881.09
X = 573,914.45
DELTA = 3°31'13" RT
D = 0°39'50"
T = 265.24'
L = 530.31'
R = 8631.37'
PRC STA = 546+04.33
Y = 242,104.84
X = 573,772.02
PT STA = 551+34.63
Y = 241,649.02
X = 574,042.87

CURVE 9B
PI STA = 552+87.44
Y = 241,515.31
X = 574,116.86
DELTA = 11°54'50" LT
D = 28°38'52"
T = 20.87'
L = 41.59'
R = 200.00'
PC STA = 552+66.57
Y = 241,533.57
X = 574,106.75
PT STA = 553+08.16
Y = 241,499.53
X = 574,130.52

CURVE 10B
PI STA = 553+69.64
Y = 241,453.05
X = 574,170.75
DELTA = 11°54'50" RT
D = 27°17'01"
T = 21.91'
L = 43.67'
R = 210.00'
PC STA = 553+47.73
Y = 241,469.62
X = 574,156.41
PT STA = 553+91.39
Y = 241,433.87
X = 574,181.36

CURVE 11B
PI STA = 557+90.66
Y = 241,084.52
X = 574,374.67
DELTA = 9°58'04" LT
D = 28°38'52"
T = 17.44'
L = 34.79'
R = 200.00'
PC STA = 557+73.22
Y = 241,099.78
X = 574,366.23
PT STA = 558+08.02
Y = 241,070.95
X = 574,385.63

CURVE 12B
PI STA = 558+59.90
Y = 241,030.59
X = 574,418.23
DELTA = 9°58'04" RT
D = 27°17'01"
T = 18.31'
L = 36.53'
R = 210.00'
PC STA = 558+41.59
Y = 241,044.84
X = 574,406.72
PT STA = 558+78.12
Y = 241,014.57
X = 574,427.10

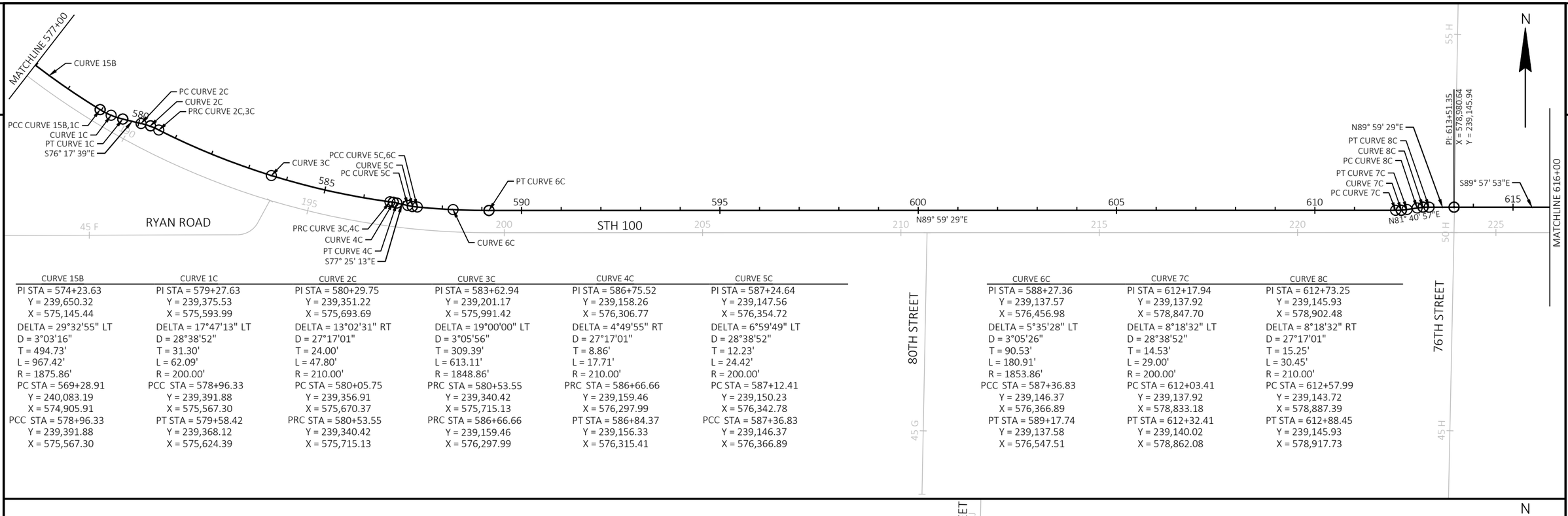
CURVE 13B
PI STA = 567+68.12
Y = 240,235.84
X = 574,858.01
DELTA = 18°19'58" RT
D = 27°17'01"
T = 33.89'
L = 67.19'
R = 210.00'
PC STA = 567+34.23
Y = 240,265.49
X = 574,841.61
PT STA = 568+01.43
Y = 240,202.54
X = 574,864.26

CURVE 14B
PI STA = 568+69.28
Y = 240,135.85
X = 574,876.77
DELTA = 18°19'58" LT
D = 28°38'52"
T = 32.27'
L = 63.99'
R = 200.00'
PC STA = 568+37.01
Y = 240,167.57
X = 574,870.82
PT STA = 569+01.00
Y = 240,107.61
X = 574,892.40

CURVE 15B
PI STA = 574+23.63
Y = 239,650.32
X = 575,145.44
DELTA = 29°32'55" LT
D = 3°03'16"
T = 494.73'
L = 967.42'
R = 1875.86'
PC STA = 569+28.91
Y = 240,083.19
X = 574,905.91
PT STA = 578+96.33
Y = 239,391.88
X = 575,567.30

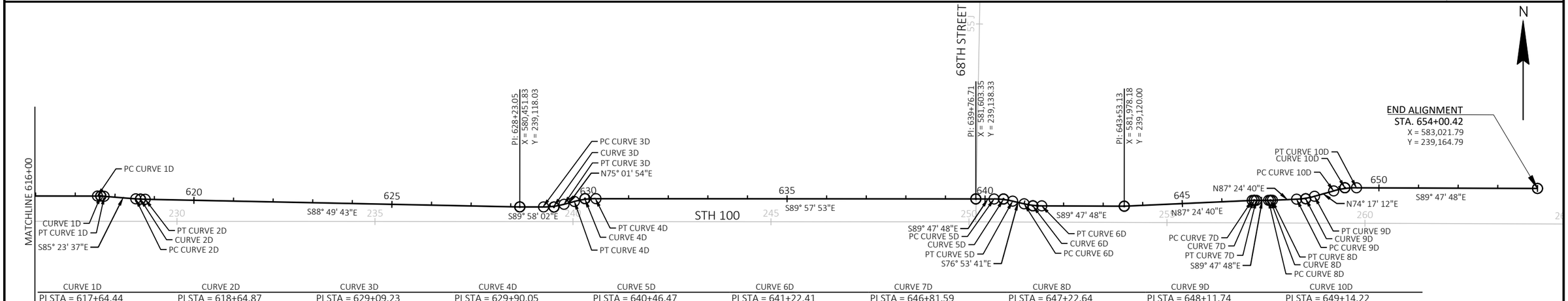
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	ALIGNMENT DETAILS MULTIUSE PATH	SHEET 256	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\027204-AD.DWG
LAYOUT NAME - 027205-ad
PLOT DATE : 4/18/2024 8:22 AM
PLOT BY : NOTSON, ERIC
PLOT NAME :
PLOT SCALE : 1 IN:250 FT



CURVE 15B	CURVE 1C	CURVE 2C	CURVE 3C	CURVE 4C	CURVE 5C
PI STA = 574+23.63	PI STA = 579+27.63	PI STA = 580+29.75	PI STA = 583+62.94	PI STA = 586+75.52	PI STA = 587+24.64
Y = 239,650.32	Y = 239,375.53	Y = 239,351.22	Y = 239,201.17	Y = 239,158.26	Y = 239,147.56
X = 575,145.44	X = 575,593.99	X = 575,693.69	X = 575,991.42	X = 576,306.77	X = 576,354.72
DELTA = 29°32'55" LT	DELTA = 17°47'13" LT	DELTA = 13°02'31" RT	DELTA = 19°00'00" LT	DELTA = 4°49'55" RT	DELTA = 6°59'49" LT
D = 3°03'16"	D = 28°38'52"	D = 27°17'01"	D = 3°05'56"	D = 27°17'01"	D = 28°38'52"
T = 494.73'	T = 31.30'	T = 24.00'	T = 309.39'	T = 8.86'	T = 12.23'
L = 967.42'	L = 62.09'	L = 47.80'	L = 613.11'	L = 17.71'	L = 24.42'
R = 1875.86'	R = 200.00'	R = 210.00'	R = 1848.86'	R = 210.00'	R = 200.00'
PC STA = 569+28.91	PCC STA = 578+96.33	PC STA = 580+05.75	PRC STA = 580+53.55	PRC STA = 586+66.66	PC STA = 587+12.41
Y = 240,083.19	Y = 239,391.88	Y = 239,356.91	Y = 239,340.42	Y = 239,159.46	Y = 239,150.23
X = 574,905.91	X = 575,567.30	X = 575,670.37	X = 575,715.13	X = 576,297.99	X = 576,342.78
PCC STA = 578+96.33	PT STA = 579+58.42	PRC STA = 580+53.55	PRC STA = 586+66.66	PT STA = 586+84.37	PCC STA = 587+36.83
Y = 239,391.88	Y = 239,368.12	Y = 239,340.42	Y = 239,159.46	Y = 239,156.33	Y = 239,146.37
X = 575,567.30	X = 575,624.39	X = 575,715.13	X = 575,976.99	X = 576,315.41	X = 576,366.89

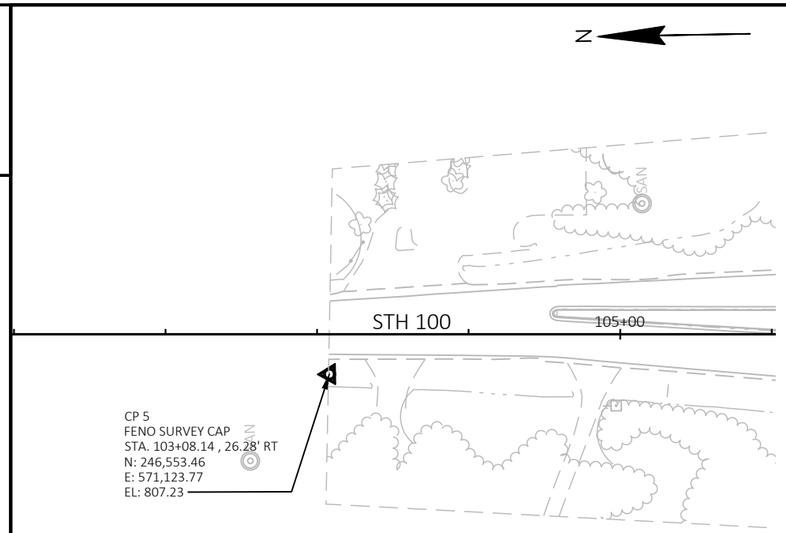
CURVE 6C	CURVE 7C	CURVE 8C
PI STA = 588+27.36	PI STA = 612+17.94	PI STA = 612+73.25
Y = 239,137.57	Y = 239,137.92	Y = 239,145.93
X = 576,456.98	X = 578,847.70	X = 578,902.48
DELTA = 5°35'28" LT	DELTA = 8°18'32" LT	DELTA = 8°18'32" RT
D = 3°05'26"	D = 28°38'52"	D = 27°17'01"
T = 90.53'	T = 14.53'	T = 15.25'
L = 180.91'	L = 29.00'	L = 30.45'
R = 1853.86'	R = 200.00'	R = 210.00'
PCC STA = 587+36.83	PC STA = 612+03.41	PC STA = 612+57.99
Y = 239,146.37	Y = 239,137.92	Y = 239,143.72
X = 576,366.89	X = 578,833.18	X = 578,887.39
PT STA = 589+17.74	PT STA = 612+32.41	PT STA = 612+88.45
Y = 239,137.58	Y = 239,140.02	Y = 239,145.93
X = 576,547.51	X = 578,862.08	X = 578,917.73

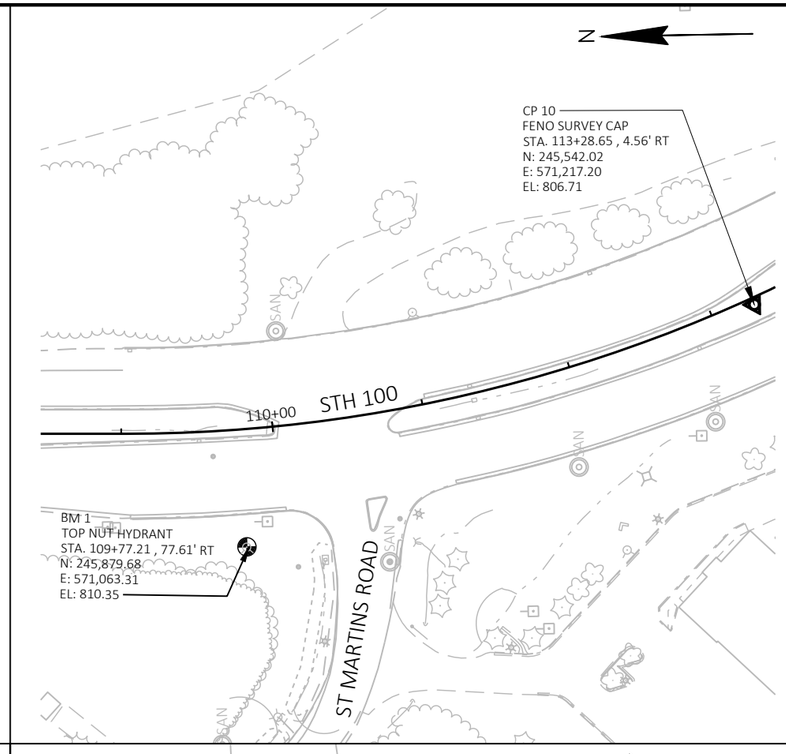


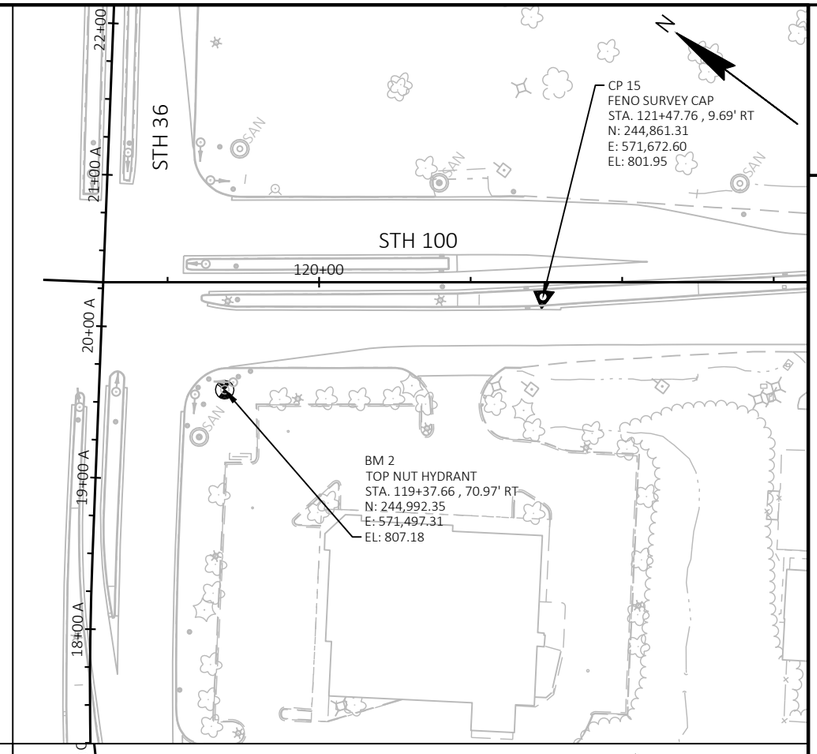
CURVE 1D	CURVE 2D	CURVE 3D	CURVE 4D	CURVE 5D	CURVE 6D	CURVE 7D	CURVE 8D	CURVE 9D	CURVE 10D
PI STA = 617+64.44	PI STA = 618+64.87	PI STA = 629+09.23	PI STA = 629+90.05	PI STA = 640+46.47	PI STA = 641+22.41	PI STA = 646+81.59	PI STA = 647+22.64	PI STA = 648+11.74	PI STA = 649+14.22
Y = 239,145.69	Y = 239,137.62	Y = 239,117.98	Y = 239,138.93	Y = 239,138.08	Y = 239,120.82	Y = 239,134.83	Y = 239,134.69	Y = 239,138.71	Y = 239,166.52
X = 579,393.73	X = 579,493.84	X = 580,538.01	X = 580,616.38	X = 581,673.11	X = 581,747.27	X = 582,306.30	X = 582,347.36	X = 582,436.37	X = 582,535.21
DELTA = 4°34'16" RT	DELTA = 3°26'06" LT	DELTA = 15°00'03" LT	DELTA = 15°00'12" RT	DELTA = 12°54'07" RT	DELTA = 12°54'07" LT	DELTA = 2°47'32" RT	DELTA = 2°47'32" LT	DELTA = 13°07'28" LT	DELTA = 15°55'00" RT
D = 27°17'01"	D = 14°19'26"	D = 28°38'52"	D = 27°17'01"	D = 27°17'01"	D = 28°38'52"	D = 27°17'01"	D = 28°38'52"	D = 28°38'52"	D = 27°17'01"
T = 8.38'	T = 11.99'	T = 26.33'	T = 27.65'	T = 23.74'	T = 22.61'	T = 5.12'	T = 4.87'	T = 23.01'	T = 29.36'
L = 16.75'	L = 23.98'	L = 52.36'	L = 54.99'	L = 47.29'	L = 45.04'	L = 10.23'	L = 9.75'	L = 45.81'	L = 58.34'
R = 210.00'	R = 400.00'	R = 200.00'	R = 210.00'	R = 210.00'	R = 200.00'	R = 210.00'	R = 200.00'	R = 200.00'	R = 210.00'
PC STA = 617+56.06	PC STA = 618+52.88	PC STA = 628+82.90	PC STA = 629+62.39	PC STA = 640+22.73	PC STA = 640+99.79	PC STA = 646+76.47	PC STA = 647+17.77	PC STA = 647+88.73	PC STA = 648+84.86
Y = 239,145.69	Y = 239,138.58	Y = 239,118.00	Y = 239,131.79	Y = 239,138.16	Y = 239,125.94	Y = 239,134.60	Y = 239,134.70	Y = 239,137.67	Y = 239,158.57
X = 579,385.35	X = 579,481.89	X = 580,511.68	X = 580,589.66	X = 581,649.37	X = 581,725.24	X = 582,301.19	X = 582,342.48	X = 582,413.38	X = 582,506.95
PT STA = 617+72.81	PT STA = 618+76.86	PT STA = 629+35.26	PT STA = 630+17.38	PT STA = 640+70.01	PT STA = 641+44.83	PT STA = 646+86.70	PT STA = 647+27.51	PT STA = 648+34.54	PT STA = 649+43.20
Y = 239,145.01	Y = 239,137.37	Y = 239,124.78	Y = 239,138.92	Y = 239,132.70	Y = 239,120.74	Y = 239,134.81	Y = 239,134.91	Y = 239,144.94	Y = 239,166.41
X = 579,402.08	X = 579,505.83	X = 580,563.45	X = 580,644.03	X = 581,696.24	X = 581,769.88	X = 582,311.42	X = 582,352.23	X = 582,458.51	X = 582,564.57

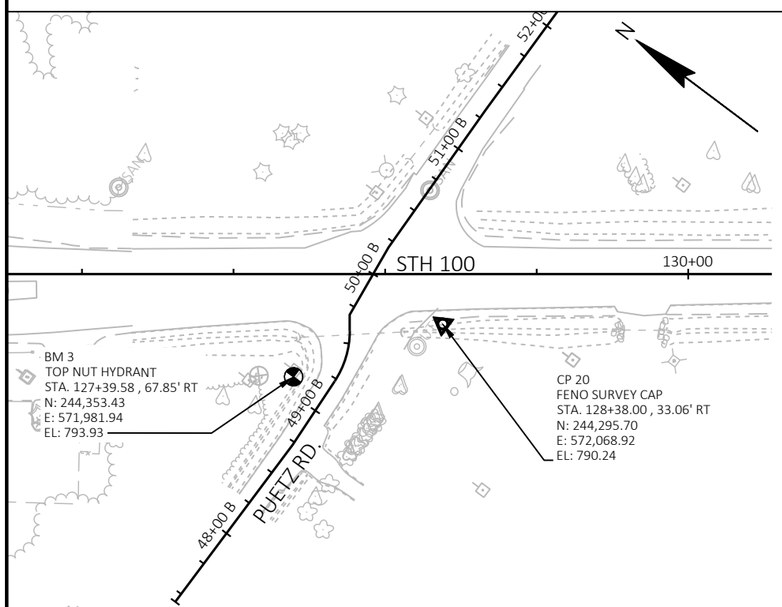
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	ALIGNMENT DETAILS MULTIUSE PATH	SHEET 257	E

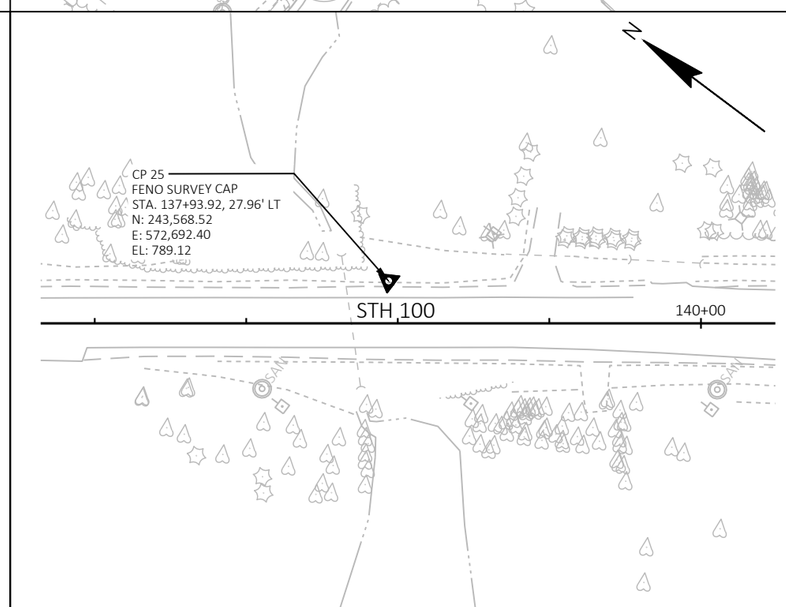
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WISDOT/CADDS SHEET 42

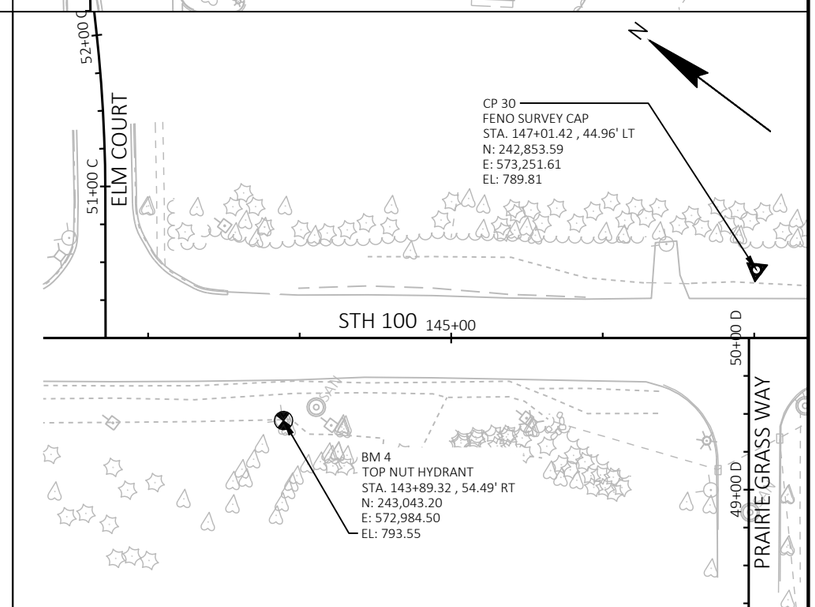








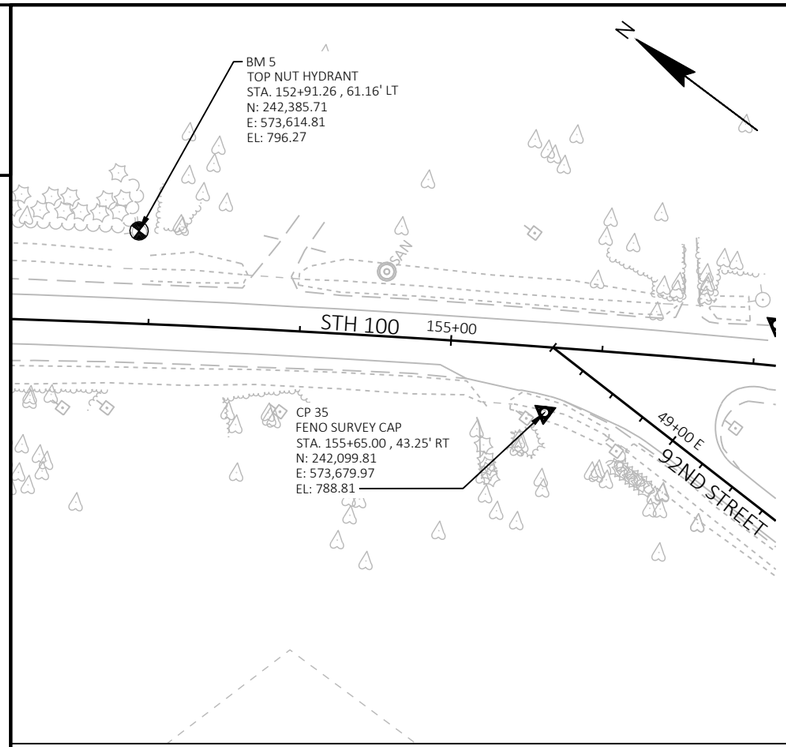


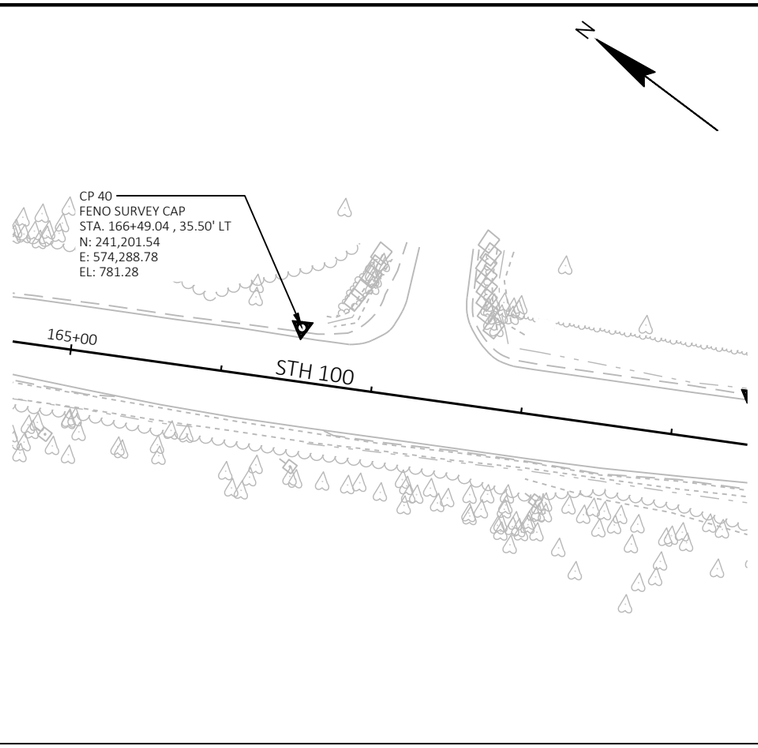


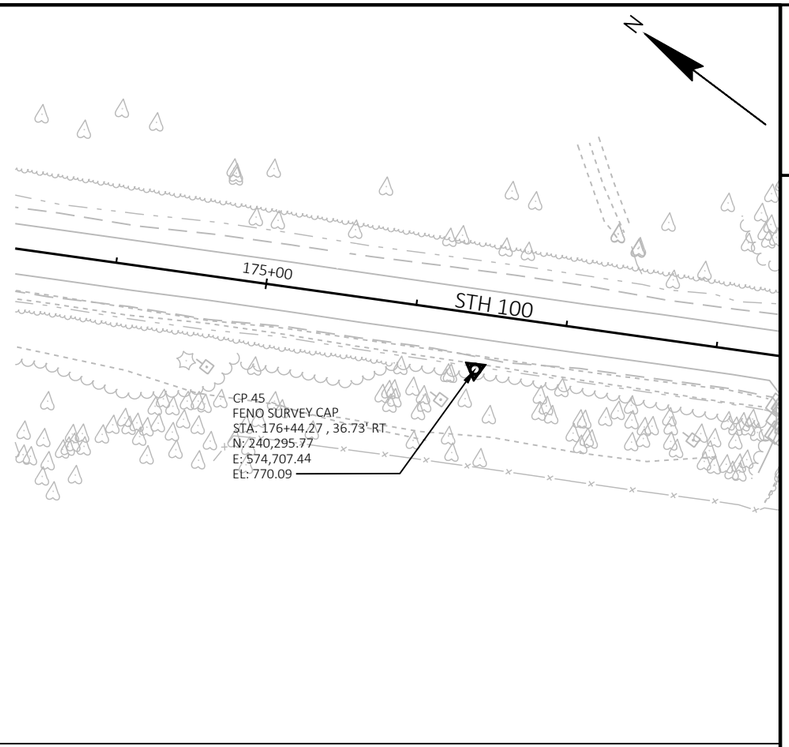
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	SURVEY CONTROL	SHEET 258	E

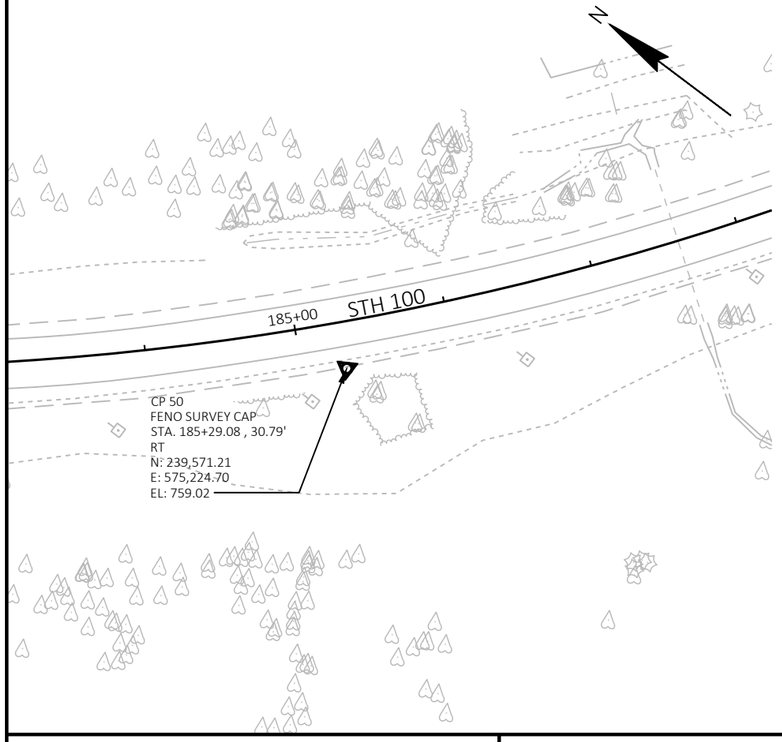
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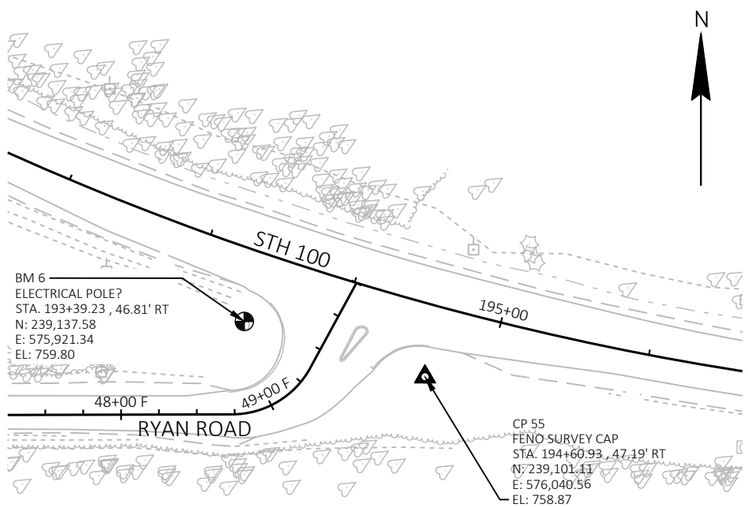
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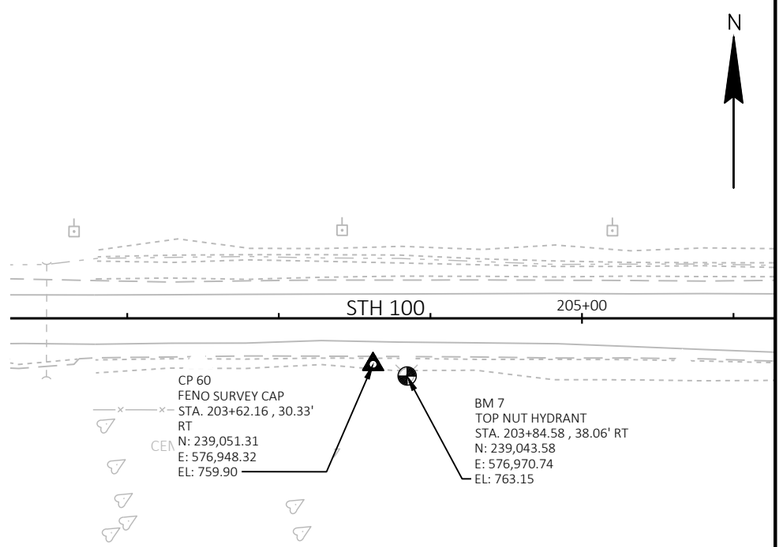








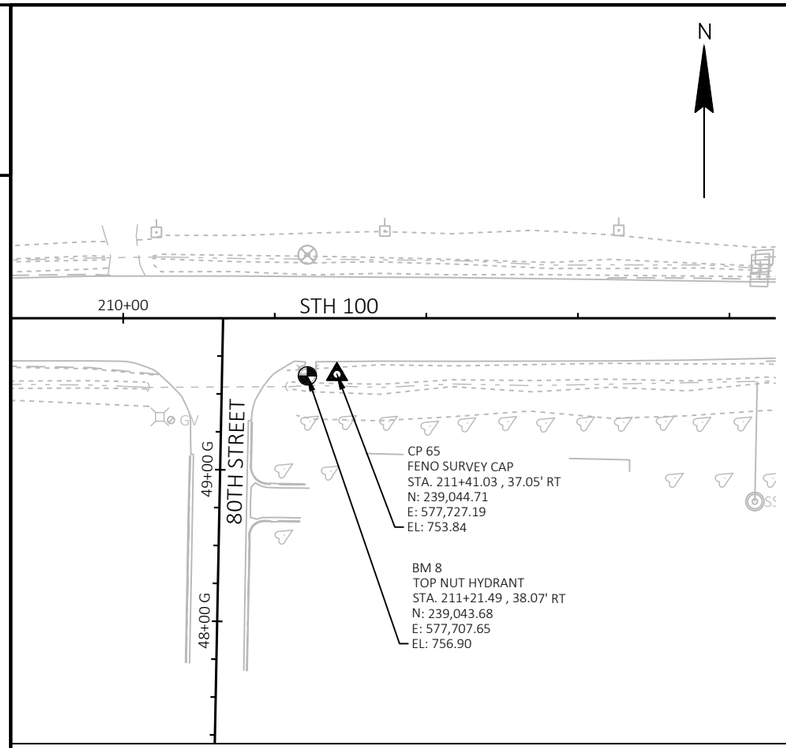


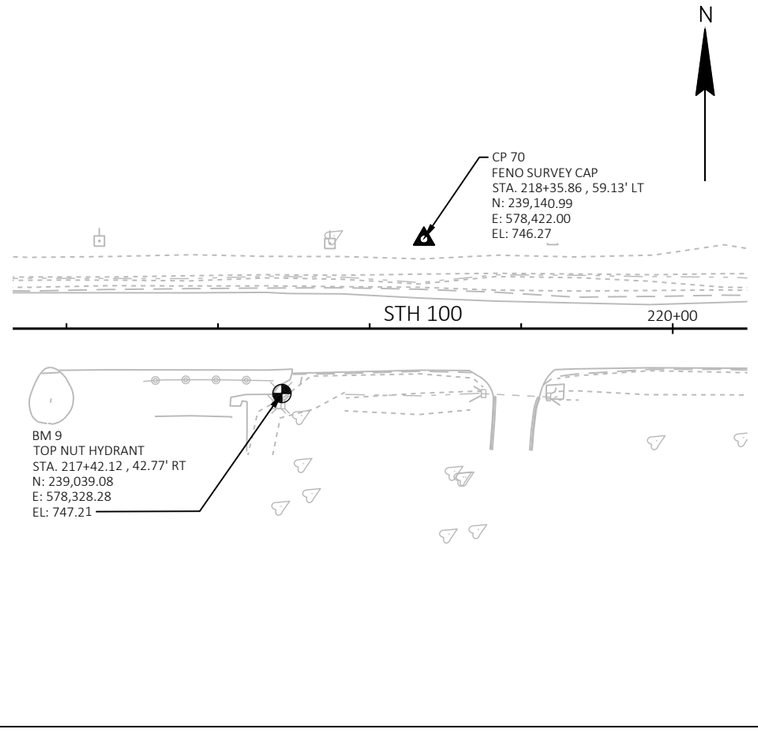


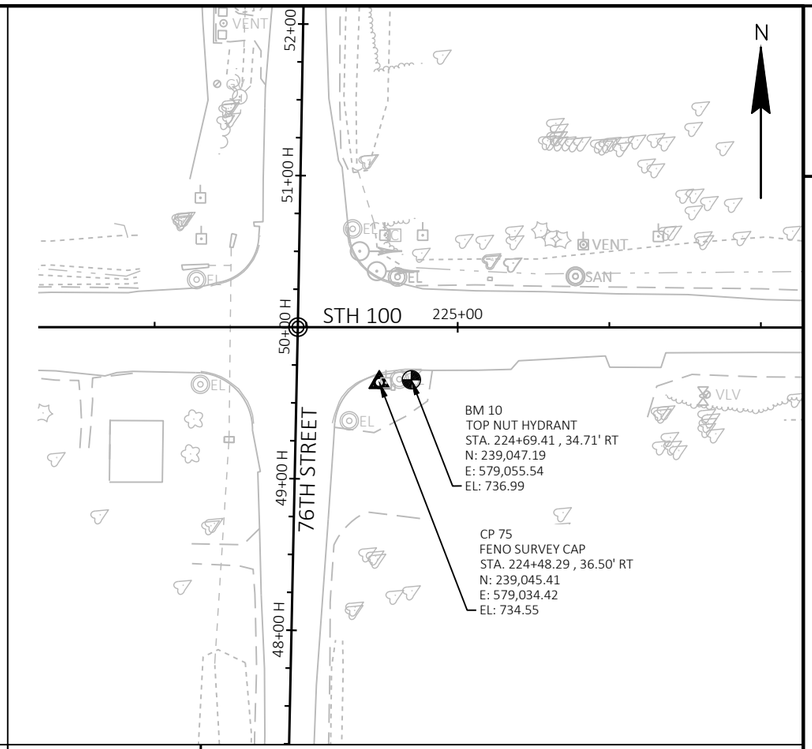
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	SURVEY CONTROL	SHEET 259	E

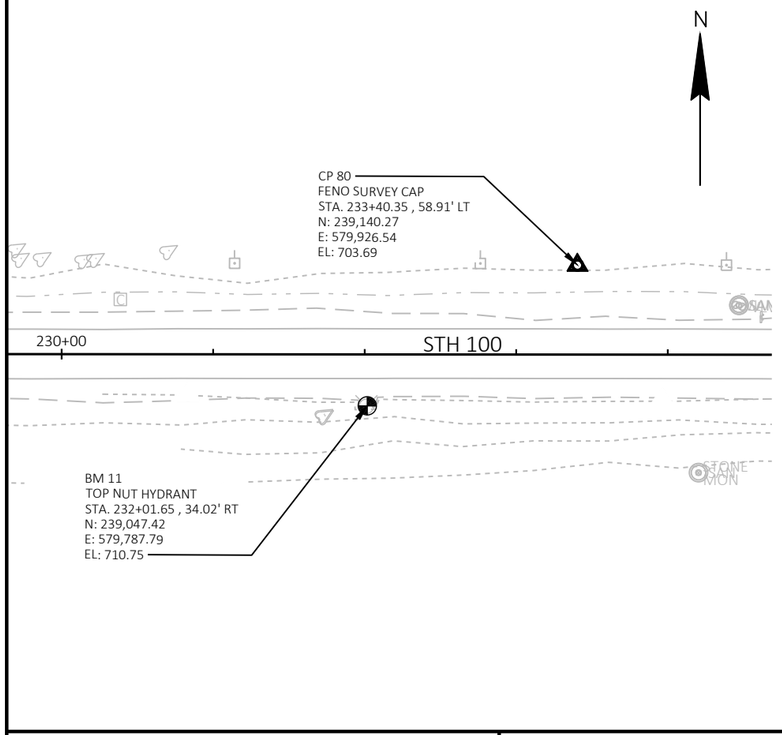
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LAYOUT NAME - 027302_cp

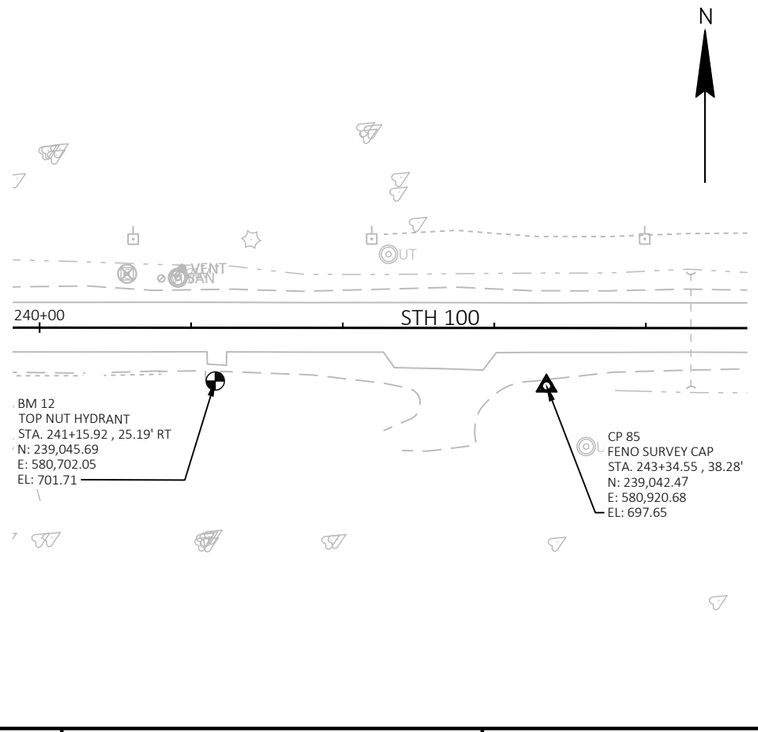
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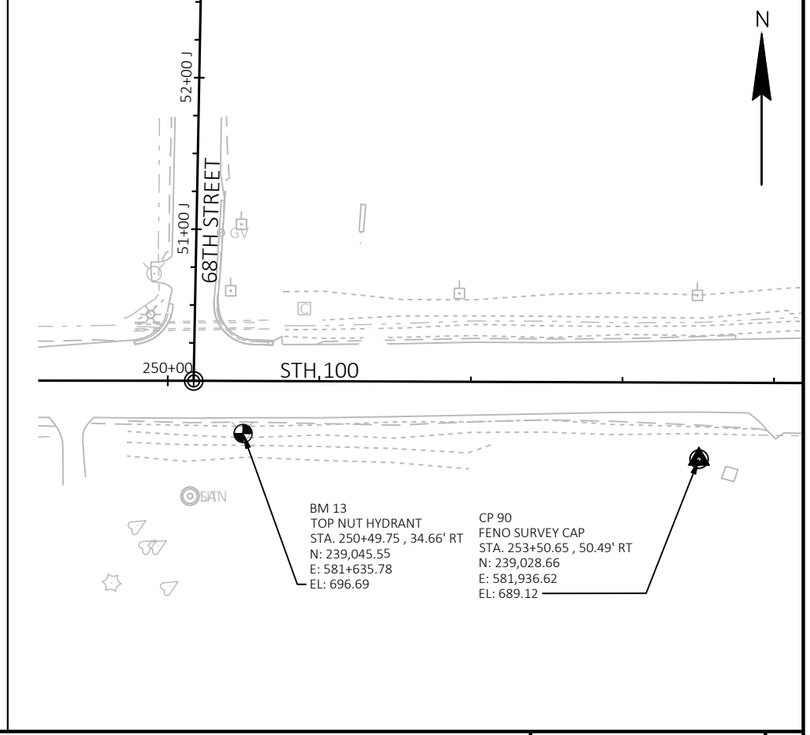






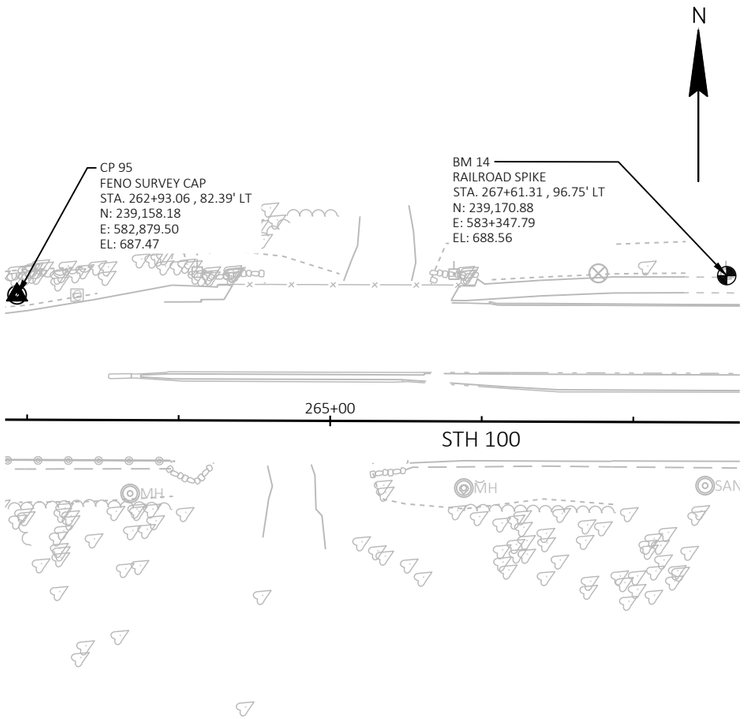


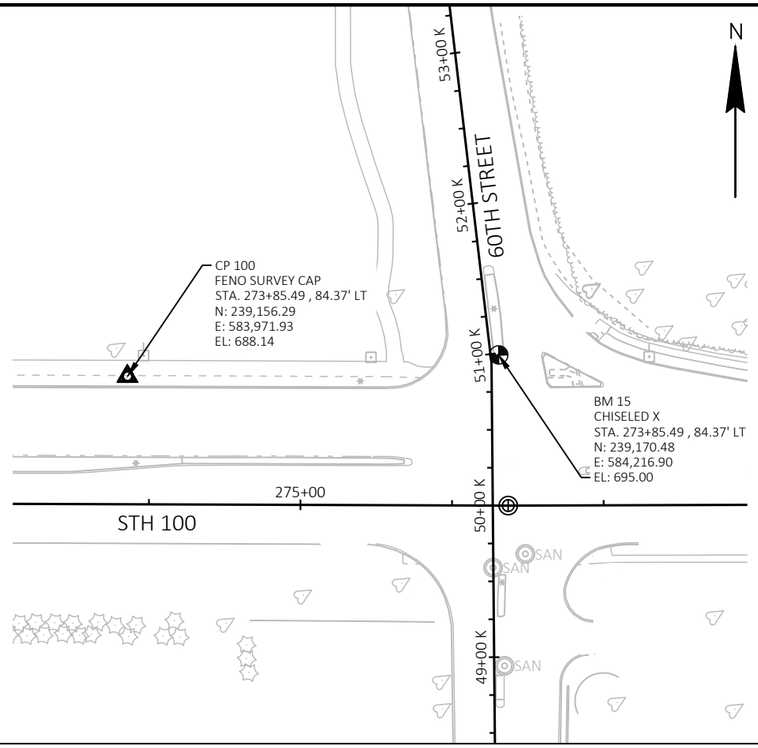




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WISDOT/CADDS SHEET 42





2

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	SURVEY CONTROL	SHEET 261	E

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WISDOT/CADDS SHEET 42

Estimate Of Quantities

2040-15-73

Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	64.000	64.000
0004	201.0120	Clearing	ID	216.000	216.000
0006	201.0205	Grubbing	STA	64.000	64.000
0008	201.0220	Grubbing	ID	216.000	216.000
0010	203.0100	Removing Small Pipe Culverts	EACH	33.000	33.000
0012	203.0220	Removing Structure (structure) 01. Sta. 133+44, 48x48-Inch	EACH	1.000	1.000
0014	203.0220	Removing Structure (structure) 02. Sta. 137+65, 48x48-Inch	EACH	1.000	1.000
0016	203.0220	Removing Structure (structure) 03. Sta. 149+64, 48x24-Inch	EACH	1.000	1.000
0018	203.0220	Removing Structure (structure) 04. Sta. 239+00, 60x36-Inch	EACH	1.000	1.000
0020	203.0220	Removing Structure (structure) 05. Sta. 187+60, 72x60-Inch	EACH	1.000	1.000
0022	203.0220	Removing Structure (structure) 06. Sta. 162+11, 42x60-Inch	EACH	1.000	1.000
0024	203.0335	Debris Containment Over Waterway (structure) 01. B-40-547	EACH	1.000	1.000
0026	203.0335	Debris Containment Over Waterway (structure) 02. B-40-681	EACH	1.000	1.000
0028	204.0100	Removing Concrete Pavement	SY	55,520.000	55,520.000
0030	204.0115	Removing Asphaltic Surface Butt Joints	SY	5,700.000	5,700.000
0032	204.0120	Removing Asphaltic Surface Milling	SY	27,600.000	27,600.000
0034	204.0150	Removing Curb & Gutter	LF	1,540.000	1,540.000
0036	204.0155	Removing Concrete Sidewalk	SY	378.000	378.000
0038	204.0165	Removing Guardrail	LF	2,339.000	2,339.000
0040	204.0170	Removing Fence	LF	78.000	78.000
0042	204.0195	Removing Concrete Bases	EACH	31.000	31.000
0044	204.0220	Removing Inlets	EACH	1.000	1.000
0046	204.0245	Removing Storm Sewer (size) 01. 15-Inch	LF	62.000	62.000
0048	204.0245	Removing Storm Sewer (size) 02. 18-Inch	LF	18.000	18.000
0050	204.0245	Removing Storm Sewer (size) 03. 36-Inch	LF	141.000	141.000
0052	204.0280	Sealing Pipes	EACH	1.000	1.000
0054	204.9060.S	Removing (item description) 01. Monotube Concrete Bases	EACH	3.000	3.000
0056	205.0100	Excavation Common	CY	83,949.000	83,949.000
0058	205.0400	Excavation Marsh	CY	84.000	84.000
0060	205.0501.S	Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	TON	29.000	29.000
0062	211.0101	Prepare Foundation for Asphaltic Paving (project) 01. 2040-15-73	EACH	1.000	1.000
0064	213.0100	Finishing Roadway (project) 01. 2040-15-73	EACH	1.000	1.000
0066	305.0110	Base Aggregate Dense 3/4-Inch	TON	2,250.000	2,250.000
0068	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	46,495.000	46,495.000
0070	311.0110	Breaker Run	TON	89,427.000	89,427.000
0072	390.0100	Removing Pavement for Base Patching	CY	118.000	118.000
0074	390.0305	Base Patching Concrete HES	CY	71.000	71.000
0076	390.0405	Base Patching Concrete SHES	CY	47.000	47.000
0078	415.0085	Concrete Pavement 8 1/2-Inch	SY	71,210.000	71,210.000
0080	415.0210	Concrete Pavement Gaps	EACH	9.000	9.000
0082	415.1085	Concrete Pavement HES 8 1/2-Inch	SY	2,560.000	2,560.000
0084	415.4100	Concrete Pavement Joint Filling	SY	74,910.000	74,910.000
0086	416.0610	Drilled Tie Bars	EACH	222.000	222.000
0088	416.0620	Drilled Dowel Bars	EACH	253.000	253.000
0090	450.4000	HMA Cold Weather Paving	TON	1,200.000	1,200.000
0092	455.0605	Tack Coat	GAL	6,930.000	6,930.000
0094	460.2000	Incentive Density HMA Pavement	DOL	5,270.000	5,270.000
0096	460.5224	HMA Pavement 4 LT 58-28 S	TON	1,700.000	1,700.000
0098	460.6223	HMA Pavement 3 MT 58-28 S	TON	3,650.000	3,650.000

2040-15-73

Line	Item	Item Description	Unit	Total	Qty
0100	460.6224	HMA Pavement 4 MT 58-28 S	TON	2,850.000	2,850.000
0102	465.0105	Asphaltic Surface	TON	2,810.000	2,810.000
0104	465.0110	Asphaltic Surface Patching	TON	10.000	10.000
0106	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	730.000	730.000
0108	465.0125	Asphaltic Surface Temporary	TON	650.000	650.000
0110	465.0315	Asphaltic Flumes	SY	60.000	60.000
0112	492.2020.S	Cleaning and Sealing Cracks and Joints with Hot-Applied Sealant	MI	0.040	0.040
0114	502.0180.S	Bridge Deck Crack Sealing	LF	460.000	460.000
0116	502.3215	Protective Surface Treatment Reseal	SY	1,726.000	1,726.000
0118	509.1500	Concrete Surface Repair	SF	380.000	380.000
0120	520.8000	Concrete Collars for Pipe	EACH	2.000	2.000
0122	521.0342	Apron Endwalls for Culvert Pipe Sloped Cross Drains Steel 42-Inch 4 to 1	EACH	4.000	4.000
0124	521.0348	Apron Endwalls for Culvert Pipe Sloped Cross Drains Steel 48-Inch 4 to 1	EACH	1.000	1.000
0126	521.0360	Apron Endwalls for Culvert Pipe Sloped Cross Drains Steel 60-Inch 4 to 1	EACH	1.000	1.000
0128	521.0442	Apron Endwalls for Culvert Pipe Sloped Cross Drains Steel 42-Inch 6 to 1	EACH	1.000	1.000
0130	521.1012	Apron Endwalls for Culvert Pipe Steel 12-Inch	EACH	18.000	18.000
0132	521.1015	Apron Endwalls for Culvert Pipe Steel 15-Inch	EACH	10.000	10.000
0134	521.1018	Apron Endwalls for Culvert Pipe Steel 18-Inch	EACH	6.000	6.000
0136	521.1030	Apron Endwalls for Culvert Pipe Steel 30-Inch	EACH	2.000	2.000
0138	521.3112	Culvert Pipe Corrugated Steel 12-Inch	LF	260.000	260.000
0140	521.3115	Culvert Pipe Corrugated Steel 15-Inch	LF	146.000	146.000
0142	521.3118	Culvert Pipe Corrugated Steel 18-Inch	LF	108.000	108.000
0144	521.3130	Culvert Pipe Corrugated Steel 30-Inch	LF	42.000	42.000
0146	522.0142	Culvert Pipe Reinforced Concrete Class III 42-Inch	LF	206.000	206.000
0148	522.0160	Culvert Pipe Reinforced Concrete Class III 60-Inch	LF	99.000	99.000
0150	522.0166	Culvert Pipe Reinforced Concrete Class III 66-Inch	LF	92.000	92.000
0152	522.0172	Culvert Pipe Reinforced Concrete Class III 72-Inch	LF	116.000	116.000
0154	522.0412	Culvert Pipe Reinforced Concrete Class IV 12-Inch	LF	348.000	348.000
0156	522.0415	Culvert Pipe Reinforced Concrete Class IV 15-Inch	LF	147.000	147.000
0158	522.0418	Culvert Pipe Reinforced Concrete Class IV 18-Inch	LF	77.000	77.000
0160	522.0442	Culvert Pipe Reinforced Concrete Class IV 42-Inch	LF	141.000	141.000
0162	522.0448	Culvert Pipe Reinforced Concrete Class IV 48-Inch	LF	70.000	70.000
0164	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	9.000	9.000
0166	522.1015	Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	EACH	8.000	8.000
0168	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	4.000	4.000
0170	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	1.000	1.000
0172	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	1.000	1.000
0174	522.1042	Apron Endwalls for Culvert Pipe Reinforced Concrete 42-Inch	EACH	4.000	4.000
0176	522.1048	Apron Endwalls for Culvert Pipe Reinforced Concrete 48-Inch	EACH	1.000	1.000
0178	522.1060	Apron Endwalls for Culvert Pipe Reinforced Concrete 60-Inch	EACH	1.000	1.000
0180	522.1066	Apron Endwalls for Culvert Pipe Reinforced Concrete 66-Inch	EACH	2.000	2.000
0182	522.1072	Apron Endwalls for Culvert Pipe Reinforced Concrete 72-Inch	EACH	2.000	2.000
0184	522.2414	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 14x23-Inch	LF	158.000	158.000
0186	522.2424	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 24x38-Inch	LF	164.000	164.000
0188	522.2614	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 14x23-Inch	EACH	4.000	4.000
0190	522.2619	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 19x30-Inch	EACH	1.000	1.000
0192	522.2624	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 24x38-Inch	EACH	2.000	2.000
0194	522.2629	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 29x45-Inch	EACH	1.000	1.000
0196	601.0407	Concrete Curb & Gutter 18-Inch Type D	LF	20.000	20.000

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Line	Item	Item Description	Unit	Total	Qty
0198	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	413.000	413.000
0200	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	37.000	37.000
0202	601.0555	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type A	LF	5,025.000	5,025.000
0204	601.0600	Concrete Curb Pedestrian	LF	235.000	235.000
0206	602.0410	Concrete Sidewalk 5-Inch	SF	8,091.000	8,091.000
0208	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	440.000	440.000
0210	602.0605	Curb Ramp Detectable Warning Field Radial Yellow	SF	259.000	259.000
0212	602.0860	Concrete Driveway HES 6-Inch	SY	48.000	48.000
0214	606.0200	Riprap Medium	CY	141.000	141.000
0216	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	219.000	219.000
0218	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	1,113.000	1,113.000
0220	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	510.000	510.000
0222	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	1,528.000	1,528.000
0224	608.0436	Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch	LF	169.000	169.000
0226	608.0442	Storm Sewer Pipe Reinforced Concrete Class IV 42-Inch	LF	613.000	613.000
0228	608.2419	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 19x30-Inch	LF	68.000	68.000
0230	608.2429	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 29x45-Inch	LF	39.000	39.000
0232	608.2434	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 34x53-Inch	LF	333.000	333.000
0234	611.0530	Manhole Covers Type J	EACH	2.000	2.000
0236	611.0535	Manhole Covers Type J-Special	EACH	3.000	3.000
0238	611.0627	Inlet Covers Type HM	EACH	17.000	17.000
0240	611.0645	Inlet Covers Type MS-A	EACH	3.000	3.000
0242	611.2004	Manholes 4-FT Diameter	EACH	4.000	4.000
0244	611.2006	Manholes 6-FT Diameter	EACH	3.000	3.000
0246	611.2008	Manholes 8-FT Diameter	EACH	3.000	3.000
0248	611.3004	Inlets 4-FT Diameter	EACH	10.000	10.000
0250	611.3230	Inlets 2x3-FT	EACH	2.000	2.000
0252	611.3901	Inlets Median 1 Grate	EACH	1.000	1.000
0254	611.3902	Inlets Median 2 Grate	EACH	1.000	1.000
0256	611.8115	Adjusting Inlet Covers	EACH	8.000	8.000
0258	614.0397	Guardrail Mow Strip Emulsified Asphalt	SY	510.000	510.000
0260	614.2300	MGS Guardrail 3	LF	1,088.000	1,088.000
0262	614.2310	MGS Guardrail 3 HS	LF	50.000	50.000
0264	614.2320	MGS Guardrail 3 QS	LF	988.000	988.000
0266	614.2610	MGS Guardrail Terminal EAT	EACH	4.000	4.000
0268	616.0204	Fence Chain Link 4-FT	LF	932.000	932.000
0270	618.0100	Maintenance and Repair of Haul Roads (project) 01. 2040-15-73	EACH	1.000	1.000
0272	619.1000	Mobilization	EACH	1.000	1.000
0274	624.0100	Water	MGAL	65.000	65.000
0276	625.0100	Topsoil	SY	53,700.000	53,700.000
0278	627.0200	Mulching	SY	7,630.000	7,630.000
0280	628.1104	Erosion Bales	EACH	25.000	25.000
0282	628.1504	Silt Fence	LF	10,106.000	10,106.000
0284	628.1520	Silt Fence Maintenance	LF	10,106.000	10,106.000
0286	628.1530.S	Silt Fence Heavy Duty	LF	1,742.000	1,742.000
0288	628.1535.S	Silt Fence Heavy Duty Maintenance	LF	1,742.000	1,742.000
0290	628.1905	Mobilizations Erosion Control	EACH	16.000	16.000
0292	628.1910	Mobilizations Emergency Erosion Control	EACH	8.000	8.000
0294	628.2008	Erosion Mat Urban Class I Type B	SY	53,700.000	53,700.000

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Line	Item	Item Description	Unit	Total	Qty
0296	628.7005	Inlet Protection Type A	EACH	28.000	28.000
0298	628.7010	Inlet Protection Type B	EACH	14.000	14.000
0300	628.7015	Inlet Protection Type C	EACH	46.000	46.000
0302	628.7020	Inlet Protection Type D	EACH	5.000	5.000
0304	628.7504	Temporary Ditch Checks	LF	1,565.000	1,565.000
0306	628.7555	Culvert Pipe Checks	EACH	246.000	246.000
0308	628.7560	Tracking Pads	EACH	2.000	2.000
0310	628.7570	Rock Bags	EACH	469.000	469.000
0312	629.0210	Fertilizer Type B	CWT	81.000	81.000
0314	630.0130	Seeding Mixture No. 30	LB	1,978.000	1,978.000
0316	630.0160	Seeding Mixture No. 60	LB	52.000	52.000
0318	630.0200	Seeding Temporary	LB	2,741.000	2,741.000
0320	630.0300	Seeding Borrow Pit	LB	104.000	104.000
0322	630.0400	Seeding Nurse Crop	LB	193.000	193.000
0324	630.0500	Seed Water	MGAL	1,319.000	1,319.000
0326	631.0300	Sod Water	MGAL	64.000	64.000
0328	631.1000	Sod Lawn	SY	2,610.000	2,610.000
0330	633.5200	Markers Culvert End	EACH	50.000	50.000
0332	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	231.000	231.000
0334	634.0622	Posts Wood 4x6-Inch X 22-FT	EACH	4.000	4.000
0336	634.0814	Posts Tubular Steel 2x2-Inch X 14-FT	EACH	10.000	10.000
0338	637.2210	Signs Type II Reflective H	SF	1,944.710	1,944.710
0340	637.2215	Signs Type II Reflective H Folding	SF	156.660	156.660
0342	637.2230	Signs Type II Reflective F	SF	441.750	441.750
0344	638.2102	Moving Signs Type II	EACH	7.000	7.000
0346	638.2602	Removing Signs Type II	EACH	176.000	176.000
0348	638.3000	Removing Small Sign Supports	EACH	148.000	148.000
0350	642.5201	Field Office Type C	EACH	1.000	1.000
0352	643.0300	Traffic Control Drums	DAY	15,630.000	15,630.000
0354	643.0420	Traffic Control Barricades Type III	DAY	10,810.000	10,810.000
0356	643.0705	Traffic Control Warning Lights Type A	DAY	20,171.000	20,171.000
0358	643.0715	Traffic Control Warning Lights Type C	DAY	990.000	990.000
0360	643.0800	Traffic Control Arrow Boards	DAY	66.000	66.000
0362	643.0900	Traffic Control Signs	DAY	25,259.000	25,259.000
0364	643.0920	Traffic Control Covering Signs Type II	EACH	12.000	12.000
0366	643.1000	Traffic Control Signs Fixed Message	SF	54.000	54.000
0368	643.1050	Traffic Control Signs PCMS	DAY	18.000	18.000
0370	643.1070	Traffic Control Cones 42-Inch	DAY	7,400.000	7,400.000
0372	643.3180	Temporary Marking Line Removable Tape 6-Inch	LF	4,153.000	4,153.000
0374	643.3280	Temporary Marking Line Removable Tape 10-Inch	LF	1,126.000	1,126.000
0376	643.3350	Temporary Marking Crosswalk Removable Tape 6-inch	LF	437.000	437.000
0378	643.3550	Temporary Marking Arrow Removable Tape	EACH	10.000	10.000
0380	643.3850	Temporary Marking Stop Line Removable Tape 18-Inch	LF	122.000	122.000
0382	643.5000	Traffic Control	EACH	1.000	1.000
0384	644.1440	Temporary Pedestrian Surface Matting	SF	175.000	175.000
0386	644.1601	Temporary Pedestrian Curb Ramp	DAY	30.000	30.000
0388	644.1605	Temporary Pedestrian Detectable Warning Field	SF	24.000	24.000
0390	644.1810	Temporary Pedestrian Barricade	LF	243.000	243.000
0392	645.0120	Geotextile Type HR	SY	432.000	432.000

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Line	Item	Item Description	Unit	Total	Qty
0394	646.2020	Marking Line Epoxy 6-Inch	LF	2,376.000	2,376.000
0396	646.2025	Marking Line Grooved Black Epoxy 6-Inch	LF	1,191.000	1,191.000
0398	646.2040	Marking Line Grooved Wet Ref Epoxy 6-Inch	LF	78,344.000	78,344.000
0400	646.4020	Marking Line Epoxy 10-Inch	LF	238.000	238.000
0402	646.4025	Marking Line Grooved Black Epoxy 10-Inch	LF	196.000	196.000
0404	646.4040	Marking Line Grooved Wet Ref Epoxy 10-Inch	LF	7,756.000	7,756.000
0406	646.5020	Marking Arrow Epoxy	EACH	52.000	52.000
0408	646.5120	Marking Word Epoxy	EACH	17.000	17.000
0410	646.6120	Marking Stop Line Epoxy 18-Inch	LF	583.000	583.000
0412	646.6220	Marking Yield Line Epoxy 18-Inch	EACH	10.000	10.000
0414	646.6466	Cold Weather Marking Epoxy 6-Inch	LF	20,000.000	20,000.000
0416	646.6470	Cold Weather Marking Epoxy 10-Inch	LF	2,000.000	2,000.000
0418	646.7120	Marking Diagonal Epoxy 12-Inch	LF	3,221.000	3,221.000
0420	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	1,524.000	1,524.000
0422	646.8120	Marking Curb Epoxy	LF	134.000	134.000
0424	646.8220	Marking Island Nose Epoxy	EACH	8.000	8.000
0426	646.9000	Marking Removal Line 4-Inch	LF	593.000	593.000
0428	646.9100	Marking Removal Line 8-Inch	LF	12.000	12.000
0430	646.9200	Marking Removal Line Wide	LF	171.000	171.000
0432	646.9300	Marking Removal Special Marking	EACH	3.000	3.000
0434	648.0100	Locating No-Passing Zones	MI	1.440	1.440
0436	650.4000	Construction Staking Storm Sewer	EACH	36.000	36.000
0438	650.4500	Construction Staking Subgrade	LF	15,650.000	15,650.000
0440	650.6000	Construction Staking Pipe Culverts	EACH	19.000	19.000
0442	650.7000	Construction Staking Concrete Pavement	LF	15,650.000	15,650.000
0444	650.8000	Construction Staking Resurfacing Reference	LF	4,200.000	4,200.000
0446	650.8501	Construction Staking Electrical Installations (project) 01. 2040-15-73	EACH	1.000	1.000
0448	650.9000	Construction Staking Curb Ramps	EACH	40.000	40.000
0450	650.9500	Construction Staking Sidewalk (project) 01. 2040-15-73	EACH	1.000	1.000
0452	650.9911	Construction Staking Supplemental Control (project) 01. 2040-15-73	EACH	1.000	1.000
0454	650.9920	Construction Staking Slope Stakes	LF	32,850.000	32,850.000
0456	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	1,224.000	1,224.000
0458	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	1,344.000	1,344.000
0460	652.0605	Conduit Special 2-Inch	LF	792.000	792.000
0462	652.0615	Conduit Special 3-Inch	LF	612.000	612.000
0464	652.0700.S	Install Conduit into Existing Item	EACH	10.000	10.000
0466	652.0800	Conduit Loop Detector	LF	2,510.000	2,510.000
0468	652.0900	Loop Detector Slots	LF	1,087.000	1,087.000
0470	653.0135	Pull Boxes Steel 24x36-Inch	EACH	14.000	14.000
0472	653.0140	Pull Boxes Steel 24x42-Inch	EACH	19.000	19.000
0474	653.0905	Removing Pull Boxes	EACH	19.000	19.000
0476	654.0101	Concrete Bases Type 1	EACH	15.000	15.000
0478	654.0102	Concrete Bases Type 2	EACH	1.000	1.000
0480	654.0113	Concrete Bases Type 13	EACH	7.000	7.000
0482	654.0120	Concrete Bases Type 10-Special	EACH	5.000	5.000
0484	654.0217	Concrete Control Cabinet Bases Type 9 Special	EACH	2.000	2.000
0486	655.0230	Cable Traffic Signal 5-14 AWG	LF	2,817.000	2,817.000
0488	655.0240	Cable Traffic Signal 7-14 AWG	LF	1,537.000	1,537.000
0490	655.0260	Cable Traffic Signal 12-14 AWG	LF	5,643.000	5,643.000

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Line	Item	Item Description	Unit	Total	Qty
0492	655.0320	Cable Type UF 2-10 AWG Grounded	LF	4,463.000	4,463.000
0494	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	8,613.000	8,613.000
0496	655.0610	Electrical Wire Lighting 12 AWG	LF	3,312.000	3,312.000
0498	655.0700	Loop Detector Lead In Cable	LF	22,083.000	22,083.000
0500	655.0800	Loop Detector Wire	LF	14,672.000	14,672.000
0502	655.0900	Traffic Signal EVP Detector Cable	LF	2,961.000	2,961.000
0504	656.0201	Electrical Service Meter Breaker Pedestal (location) 01. STH 100 & STH 36	EACH	1.000	1.000
0506	656.0201	Electrical Service Meter Breaker Pedestal (location) 02. STH 100 & 76th Street	EACH	1.000	1.000
0508	656.0201	Electrical Service Meter Breaker Pedestal (location) 03. STH 100 & 60th Street	EACH	1.000	1.000
0510	657.0100	Pedestal Bases	EACH	18.000	18.000
0512	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	1.000	1.000
0514	657.0310	Poles Type 3	EACH	1.000	1.000
0516	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	12.000	12.000
0518	657.0430	Traffic Signal Standards Aluminum 10-FT	EACH	6.000	6.000
0520	657.0585	Trombone Arms 15-FT	EACH	1.000	1.000
0522	658.0173	Traffic Signal Face 3S 12-Inch	EACH	36.000	36.000
0524	658.0174	Traffic Signal Face 4S 12-Inch	EACH	24.000	24.000
0526	658.0416	Pedestrian Signal Face 16-Inch	EACH	14.000	14.000
0528	658.0500	Pedestrian Push Buttons	EACH	18.000	18.000
0530	658.5070	Signal Mounting Hardware (location) 01. STH 100 & STH 36	EACH	1.000	1.000
0532	658.5070	Signal Mounting Hardware (location) 02. STH 100 & 76th Street	EACH	1.000	1.000
0534	658.5070	Signal Mounting Hardware (location) 03. STH 100 & 60th Street	EACH	1.000	1.000
0536	659.1125	Luminaires Utility LED C	EACH	15.000	15.000
0538	659.5000.S	Lamp, Ballast, LED, Switch Disposal by Contractor	EACH	72.000	72.000
0540	661.0201	Temporary Traffic Signals for Intersections (location) 01. STH 100 & STH 36	EACH	1.000	1.000
0542	690.0150	Sawing Asphalt	LF	962.000	962.000
0544	690.0250	Sawing Concrete	LF	1,491.000	1,491.000
0546	715.0715	Incentive Flexural Strength Concrete Pavement	DOL	21,363.000	21,363.000
0548	740.0440	Incentive IRI Ride	DOL	14,890.000	14,890.000
0550	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,800.000	2,800.000
0552	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	8,100.000	8,100.000
0554	SPV.0060	Special 01. Remove Traffic Signals STH 100 & STH 36	EACH	1.000	1.000
0556	SPV.0060	Special 02. Remove Traffic Signals STH 100 & 76th Street	EACH	1.000	1.000
0558	SPV.0060	Special 03. Remove Traffic Signals STH 100 & 60th Street	EACH	1.000	1.000
0560	SPV.0060	Special 04. Transport and Install Emergency Vehicle Preemption System STH 100 & STH 36	EACH	1.000	1.000
0562	SPV.0060	Special 05. Transport and Install Emergency Vehicle Preemption System STH 100 & 76th St	EACH	1.000	1.000
0564	SPV.0060	Special 06. Transport and Install Emergency Vehicle Preemption System STH 100 & 60th St	EACH	1.000	1.000
0566	SPV.0060	Special 07. Transport and Install Traffic Signal Cabinet and Controller STH 100 & 76th S	EACH	1.000	1.000
0568	SPV.0060	Special 08. Transport and Install Traffic Signal Cabinet and Controller STH 100 & 60th	EACH	1.000	1.000
0570	SPV.0060	Special 09. Utility Line Opening (ULO)	EACH	17.000	17.000
0572	SPV.0060	Special 10. Maintain Existing Traffic Signal Cabinet STH 100 & STH 36	EACH	1.000	1.000
0574	SPV.0060	Special 11. Transport and Install Poles Type 9-Special	EACH	2.000	2.000
0576	SPV.0060	Special 12. Transport and Install Poles Type 10-Special	EACH	3.000	3.000
0578	SPV.0060	Special 13. Transport and Install Poles Type 13	EACH	1.000	1.000
0580	SPV.0060	Special 14. Transport and Install Poles Type 13-Over Height	EACH	6.000	6.000
0582	SPV.0060	Special 15. Transport and Install Monotube Arms 35-FT-Special	EACH	1.000	1.000
0584	SPV.0060	Special 16. Transport and Install Monotube Arms 45-FT	EACH	2.000	2.000

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Line	Item	Item Description	Unit	Total	Qty
0586	SPV.0060	Special 17. Transport and Install Monotube Arms 45-FT-Special	EACH	4.000	4.000
0588	SPV.0060	Special 18. Transport and Install Monotube Arms 50-FT	EACH	5.000	5.000
0590	SPV.0060	Special 19. Transport and Install Luminaire Arms Steel 15-FT	EACH	15.000	15.000
0592	SPV.0060	Special 25. Storm Sewer Tap	EACH	2.000	2.000
0594	SPV.0060	Special 26. Sealing Manhole Openings	EACH	1.000	1.000
0596	SPV.0060	Special 27. Mortaring Inlets	EACH	1.000	1.000
0598	SPV.0060	Special 28. Apron Endwalls for Culvert Pipe Sloped Cross Drains Steel 24x38-Inch 4:1	EACH	2.000	2.000
0600	SPV.0060	Special 29. Section Corner Monuments	EACH	3.000	3.000
0602	SPV.0060	Special 30. Adjusting Water Valve Boxes	EACH	43.000	43.000
0604	SPV.0060	Special 31. Replace Water Valve Box Tops	EACH	5.000	5.000
0606	SPV.0060	Special 32. Adjusting Sanitary Manhole Covers	EACH	12.000	12.000
0608	SPV.0060	Special 33. Sanitary Tracer Wire Box	EACH	1.000	1.000
0610	SPV.0085	Special 01. Seeding Mixture No. 95A	LB	228.000	228.000
0612	SPV.0165	Special 01. Water Main Insulation	SF	585.000	585.000
0614	SPV.0195	Special 01. Concrete Joint and Crack Cleaning and Repair	TON	150.000	150.000

CLEARING AND GRUBBING ITEMS

CATEGORY	STATION - STATION	LOCATION	201.0105 CLEARING STA	201.0120 CLEARING ID	201.0205 GRUBBING STA	201.0220 GRUBBING ID
0010	133+41	RT	---	18	---	18
	134+05	RT	---	22	---	22
	137+80	RT	---	8	---	8
	161+75 - 162+00	RT	1	---	1	---
	178+25 - 179+75	RT	2	---	2	---
	187+00 - 188+00	RT	1	---	1	---
	220+50 - 221+50	RT	2	---	2	---
	45+75 H - 46+50 H	RT	2	---	2	---
	SUBTOTALS		8	48	8	48
0010^	129+69	LT	---	18	---	18
	130+39	LT	---	24	---	24
	130+43	LT	---	26	---	26
	131+00 - 132+00	LT	1	---	1	---
	136+00 - 140+00	LT	4	---	4	---
	143+00 - 146+00	LT	4	---	4	---
	155+93	LT	---	30	---	30
	156+00 - 163+00	LT	7	---	7	---
	165+00 - 181+00	LT	16	---	16	---
	182+50 - 183+00	LT	1	---	1	---
	185+50 - 188+00	LT	3	---	3	---
	189+00 - 198+00	LT	9	---	9	---
	198+27	LT	---	12	---	12
	200+00 - 201+00	LT	1	---	1	---
	223+00 - 223+50	LT	1	---	1	---
	224+50 - 229+50	LT	6	---	6	---
	237+81	LT	---	8	--	8
	241+39	LT	---	12	---	12
	242+50	LT	---	8	---	8
	260+66	LT	---	12	---	12
	260+88	LT	---	12	---	12
	261+00	LT	---	6	---	6
	262+50 - 264+50	LT	3	---	3	---
	SUBTOTALS		56	168	56	168
	TOTALS		64	216	64	216

^QUANTITIES ASSOCIATED WITH MULTI-USE PATH

PREPARE FOUNDATION FOR ASPHALTIC PAVING

CATEGORY	PROJECT	211.0101 EACH
0010	2040-15-73	1

REMOVING CONCRETE PAVEMENT

CATEGORY	STATION - STATION	204.0100 SY
0010	104+48 - 125+51	---
	125+51 - 160+00	13,400
	160+00 - 201+25	15,000
	201+25 - 239+25	13,800
	239+25 - 277+50	13,300
	40+19 H - 58+24 H	20
	TOTAL	55,520

FENCE ITEMS

CATEGORY	STATION	LOCATION	204.0170 REMOVING FENCE LF	616.0204 FENCE CHAIN LINK 4-FT LF
0010	157+98 - 158+76	LT	78	---
	180+00 - 189+50	LT	---	932
	TOTALS		78	932

REMOVING CONCRETE BASES

CATEGORY	STATION	LOCATION	204.0195* EACH
0010	275+39	81' LT	1

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING ASPHALTIC SURFACE

CATEGORY	STATION - STATION	LOCATION	204.0115 BUTT JOINTS SY	204.0120 MILLING SY
0010	104+48 - 125+51	LT/RT	5,700	27,600

EXCAVATION, HAULING, AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL

CATEGORY	PROJECT	205.0501.S TONS
0010	117+25 - 118+57 RT	9
	118+57 - 120+00 RT	9
	233+35 - 233+95 LT	11
	TOTAL	29

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	205.0400 EXCAVATION MARSH (6) CY	EXPANDED EBS BACKFILL (11) FACTOR 1.30 CY	(16) 311.0110* BREAKER RUN FACTOR 1.75 TON	UNEXPANDED FILL CY	EXPANDED FILL (13) FACTOR 1.25 CY	MASS ORDINATE ± (14) CY
0010	125+51	264+33	STH 100 MAINLINE	68,542	3,416	24,152	44,390	3	4,441	7,771	1,810	2,263	42,128
	49+08 B	51+15 B	PUETZ ROAD	634	32	109	525	--	42	74	--	--	525
	50+29 C	50+89 C	ELM COURT	388	19	77	311	--	25	44	--	--	311
	49+06 D	49+71 D	PRAIRIE GRASS WAY	409	20	72	337	--	26	46	--	--	337
	48+56 E	49+69 E	92ND STREET	522	26	110	412	--	34	60	--	--	412
	48+00 F	49+50 F	RYAN ROAD (CTH H)	366	18	150	216	--	23	41	32	40	176
	49+09 G	49+71 G	80TH STREET	397	20	66	331	--	26	46	--	--	331
	40+19 H	58+24 H	76TH STREET (CTH U)	3,812	193	1,262	2,550	--	251	439	306	383	2,168
	50+50 J	51+20 J	68TH STREET	267	14	70	197	--	18	32	1	1	196
	---	---	60TH STREET	72	--	35	37	--	--	--	--	--	37
	ROADWAY SUBTOTALS			75,409	3,758	26,103	49,306	3	4,886	8,553	2,149	2,686	46,620
	ROADWAY TOTALS			79,167				3		8,553			
0010^	402+00	408+50	MULTIUSE PATH	197	13	--	197	--	17	30	2	3	195
	508+00	515+00	MULTIUSE PATH	126	7	--	126	--	9	16	152	190	(64)
	125+51	264+33	MULTIUSE PATH	4,251	188	--	4,251	81	244	428	11,334	14,168	(9,917)
	MULTIUSE PATH SUBTOTALS			4,574	208	--	4,574	81	270	474	11,488	14,360	(9,786)
	MULTIUSE PATH TOTALS			4,782				81		474			
	TOTALS			83,949				84		9,027			36,834

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.
(6) MARSH EXCAVATION - TO BE BACKFILLED WITH SELECT BORROW MATERIAL. NOTE: THIS IS DESIGNERS CHOICE, CAN BE BACKFILLED WITH BORROW, OR CUT AS WELL. ITEM NUMBER 205.0500
(11) EXPANDED EBS BACKFILL - THIS IS TO BE FILLED WITH BREAKER RUN. EBS BACKFILL FACTOR = 1.30.
(13) EXPANDED FILL FACTOR = 1.25; 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.
(16) UNDISTRIBUTED QUANTITY OF BREAKER RUN TO FILL EBS. CY TO TON CONVERSION FACTOR = 1.75 TON/CY.

* ADDITIONAL QUANTITIES LISTED ELSEWHERE
** UNDISTRIBUTED EBS EXCAVATION = 5% OF CUT
^QUANTITIES ASSOCIATED WITH MULTI-USE PATH

3

FINISHING ROADWAY

CATEGORY	PROJECT	213.0100 EACH
0010	2040-15-73	1

PAVEMENT BARS

CATEGORY	STATION	-	STATION	LOCATION	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH
0010	104+48	-	125+51	LT/RT	133	94
	125+51	-	160+00	LT/RT	--	10
	160+00	-	201+25	LT/RT	--	--
	201+25	-	239+25	LT/RT	--	5
	239+25	-	280+00	LT/RT	89	120
	40+19 H	-	58+24 H	LT/RT	--	24
			TOTALS		222	253

BASE AGGREGATE DENSE

CATEGORY	STATION	-	STATION	305.0110 3/4-INCH TON	305.0120 1 1/4-INCH TON
0010	104+48	-	125+51	--	45
	125+51	-	160+00	560	8,850
	160+00	-	201+25	770	10,100
	201+25	-	239+25	410	10,700
	239+25	-	280+00	320	6,950
	40+19 H	-	58+24 H	190	3,250
			SUBTOTALS	2,250	39,895
0010^	104+48	-	125+51	--	750
	125+51	-	160+00	--	1,500
	160+00	-	201+25	--	1,750
	201+25	-	239+25	--	1,550
	239+25	-	280+00	--	1,050
	40+19 H	-	58+24 H	--	--
			SUBTOTALS	--	6,600
			TOTALS	2,250	46,495

^QUANTITIES ASSOCIATED WITH MULTI-USE PATH

ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

CATEGORY	STATION	-	STATION	465.0120 TON
0010	104+48	-	125+51	10
	125+51	-	160+00	210
	160+00	-	201+25	100
	201+25	-	239+25	120
	239+25	-	280+00	55
	40+19 H	-	58+24 H	50
			SUBTOTAL	545
0010^	104+48	-	125+51	45
	125+51	-	160+00	75
	160+00	-	201+25	55
	201+25	-	239+25	10
	239+25	-	280+00	---
	40+19 H	-	58+24 H	---
			SUBTOTAL	185
			TOTAL	730

^QUANTITIES ASSOCIATED WITH MULTI-USE PATH

BREAKER RUN

CATEGORY	STATION	-	STATION	311.0110* TON
0010	104+48	-	125+51	--
	125+51	-	160+00	19,000
	160+00	-	201+25	20,600
	201+25	-	239+25	25,400
	239+25	-	280+00	15,400
	40+19 H	-	58+24 H	--
			TOTAL	80,400

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

ASPHALTIC SURFACE TEMPORARY

CATEGORY	STATION	-	STATION	LOCATION	465.0125 TON
0010	104+48	-	125+51	LT/RT	650

CONCRETE PAVEMENT

CATEGORY	STATION	-	STATION	LOCATION	415.0085 8 1/2-INCH SY	415.1085 HES 8 1/2-INCH SY	415.4100 JOINT FILLING SY	415.0210 GAPS EACH
0010	104+48	-	125+51	LT/RT	---	---	---	---
	125+51	-	160+00	LT/RT	14,500	1,380	15,950	1
	160+00	-	201+25	LT/RT	14,400	355	14,950	2
	201+25	-	239+25	LT/RT	22,950	290	23,900	---
	239+25	-	280+00	LT/RT	12,850	135	13,200	2
	40+19 H	-	58+24 H	LT/RT	6,510	400	6,910	---
	UNDISTRIBUTED			LT/RT	---	---	---	4
				TOTALS	71,210	2,560	74,910	9

BASE PATCHING CONCRETE

CATEGORY	STATION	-	STATION	LOCATION	390.0305 HES SY	390.0405 SHES SY	390.0100 REMOVING PAVEMENT FOR BASE PATCHING CY
0010	19+03 A	-	19+59 A	LT	---	27	27
	20+83 A	-	21+19 A	LT	21	---	21
	UNDISTRIBUTED			LT/RT	50	20	70
				TOTALS	71	47	118

ASPHALTIC FLUMES

CATEGORY	STATION	LOCATION	465.0315 SY
0010	191+67	LT	9
	50+99 H	LT	20
	230+48	LT	12
	249+70	LT	11
	50+67 J	RT	8
		TOTAL	60

CONCRETE DRIVEWAY HES 6-INCH

CATEGORY	STATION	LOCATION	602.0860 SY
0010	135+72	RT	27
	58+09 H	LT	21
		TOTAL	48

ASPHALTIC ITEMS

CATEGORY	STATION	-	STATION	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	460.2000 INCENTIVE DENSITY HMA PAVEMENT DOL	465.0105 ASPHALTIC SURFACE TON	450.4000 HMA COLD WEATHER PAVING TON	455.0605 TACK COAT GAL	SPV.0195.01 CONCRETE JOINT AND CRACK CLEANING AND REPAIR TON	465.0110 ASPHALTIC SURFACE PATCHING TON	REMARKS
0010	104+48	-	125+51	---	3,650	2,850	4,160	---	---	4,400	---	---	---
	125+51	-	160+00	370	---	---	240	---	---	550	---	---	---
	160+00	-	201+25	740	---	---	480	---	---	450	---	---	---
	201+25	-	239+25	230	---	---	150	---	---	200	---	---	---
	239+25	-	280+00	360	---	---	240	---	---	100	---	---	---
	UNDISTRIBUTED			---	---	---	---	---	1,200	90	150	10	FILLING POTHOLES
	SUBTOTALS			1,700	3,650	2,850	5,270	---	1,200	5,790	150	10	
0010^	104+48	-	125+51	---	---	---	---	230	---	90	---	---	---
	125+51	-	160+00	---	---	---	---	610	---	250	---	---	---
	160+00	-	201+25	---	---	---	---	780	---	300	---	---	---
	201+25	-	239+25	---	---	---	---	710	---	300	---	---	---
	239+25	-	280+00	---	---	---	---	480	---	200	---	---	---
	SUBTOTALS			---	---	---	---	2,810	---	1,140	---	---	
	TOTALS			1,700	3,650	2,850	5,270	2,810	1,200	6,930	150	10	

NOTE: HMA PAVEMENT WEIGHT CALCULATIONS BASED ON 112 LB/SY/IN.
^QUANTITIES ASSOCIATED WITH MULTI-USE PATH

REMOVING STRUCTURE SUMMARY

CATEGORY	STATION	SIZE	203.0220 .01 REMOVING STRUCTURE EACH	.02 EACH	.03 EACH	.04 EACH	.05 EACH	.06 EACH
0010	133+44	48x48-INCH	1	---	---	---	---	---
	137+65	48x48-INCH	---	1	---	---	---	---
	149+64	48x24-INCH	---	---	1	---	---	---
	239+00	60x36-INCH	---	---	---	1	---	---
	CATEGORY 0010 TOTALS		1	1	1	1	---	---
0100	187+60	72x60-INCH	---	---	---	---	1	---
	CATEGORY 0100 TOTALS		---	---	---	---	1	---
0110	162+11	42x60-INCH	---	---	---	---	---	1
	CATEGORY 0110 TOTALS		---	---	---	---	---	1
	ALL CATEGORY TOTALS		1	1	1	1	1	1

CROSS CULVERT PIPE SUMMARY

CATEGORY	FROM STRUCTURE	TO STRUCTURE	522.0142 CULVERT PIPE REINFORCED CONCRETE CLASS III 42-INCH LF	522.0160 60-INCH LF	522.0166 66-INCH LF	522.0172 72-INCH LF	522.0412 CLASS IV 12-INCH LF	522.0415 15-INCH LF	522.0418 18-INCH LF	522.0442 42-INCH LF	522.0448 48-INCH LF	522.2414 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 14X23-INCH LF	522.2424 24X38-INCH LF
0010	EW 1	EW 2	---	---	---	---	---	25	---	---	---	---	---
	EW 3	EW 4	---	---	---	---	59	---	---	---	---	---	---
	EW 5	EW 6	---	---	---	---	---	---	---	---	70	---	---
	EW 7	EW 8	---	---	92	---	---	---	---	---	---	---	---
	EW 9	EW 10	---	---	---	---	76	---	---	---	---	---	---
	EW 11	EW 12	---	---	---	---	95	---	---	---	---	---	---
	EW 13	EW 14	---	---	---	---	---	---	---	---	---	---	82
	EW 15	EW 16	---	---	---	---	---	---	---	---	---	---	82
	EW 34	EW 35	---	---	---	---	---	122	---	---	---	---	---
	EW 39	EW 40	103	---	---	---	---	---	---	---	---	---	---
	EW 40.1	EW 40.2	103	---	---	---	---	---	---	---	---	---	---
	CATEGORY 0010 TOTALS		206	---	92	---	230	147	---	---	70	---	164
0100	EW 25	EW 26	---	---	---	116	---	---	---	---	---	---	---
	CATEGORY 0100 TOTALS		---	---	---	116	---	---	---	---	---	---	---
0110	EW 19	EW 20	---	99	---	---	---	---	---	---	---	---	---
	CATEGORY 0110 TOTALS		---	99	---	---	---	---	---	---	---	---	---
0010^	EW 17	EW 18	---	---	---	---	---	---	---	---	---	100	---
	EW 23	EW 24	---	---	---	---	---	---	---	---	---	58	---
	EW 27	EW 28	---	---	---	---	---	---	77	---	---	---	---
	EW 41	EW 42	---	---	---	---	118	---	---	---	---	---	---
	CATEGORY 0010^ TOTALS		---	---	---	---	118	---	77	---	---	158	---
0140	EW 55	EW 56	---	---	---	---	---	---	---	71	---	---	---
	EW 57	EW 58	---	---	---	---	---	---	---	70	---	---	---
	CATEGORY 0140 TOTALS		---	---	---	---	---	---	---	141	---	---	---
	ALL CATEGORY TOTALS		206	99	92	116	348	147	77	141	70	158	164

^QUANTITIES ASSOCIATED WITH MULTI-USE PATH

DRIVEWAY CULVERT PIPE SUMMARY

CATEGORY	STATION	LOCATION	521.3112 CULVERT PIPE CORRUGATED STEEL 12-INCH LF	521.3115 15-INCH LF	521.3118 18-INCH LF	521.3130 30-INCH LF	STEEL THICKNESS (INCHES)	521.1012 APRON ENDWALLS FOR CULVERT PIPE STEEL 12-INCH EACH	521.1015 STEEL 15-INCH EACH	521.1018 STEEL 18-INCH EACH	521.1030 STEEL 30-INCH EACH
0010	131+37	RT	---	28	---	---	0.064	---	2	---	---
	138+90	LT	39	---	---	---	0.064	2	---	---	---
	139+78	LT	39	---	---	---	0.064	2	---	---	---
	146+43	LT	23	---	---	---	0.064	2	---	---	---
	147+32	LT	13	---	---	---	0.064	2	---	---	---
	150+24	LT	---	24	---	---	0.064	---	2	---	---
	152+91	LT	---	28	---	---	0.064	---	2	---	---
	153+76	LT	---	---	33	---	0.064	---	---	2	---
	156+50	LT	21	---	---	---	0.064	2	---	---	---
	157+64	LT	27	---	---	---	0.064	2	---	---	---
	158+89	LT	33	---	---	---	0.064	2	---	---	---
	160+24	LT	31	---	---	---	0.064	2	---	---	---
	178+58	RT	---	---	35	---	0.064	---	---	2	---
	214+00	RT	---	43	---	---	0.064	---	2	---	---
	219+00	RT	---	---	40	---	0.064	---	---	2	---
	235+79	LT	34	---	---	---	0.064	2	---	---	---
	46+00 H	LT	---	---	---	42	0.079	---	---	---	2
	54+34 H	RT	---	23	---	---	0.064	---	2	---	---
	TOTALS		260	146	108	42		18	10	6	2

CULVERT ITEMS

CATEGORY	STRUCT. ID#	STATION	OFFSET	SPV.0060.28 APRON ENDWALLS FOR CULVERT PIPE SLOPED CROSS DRAINS STEEL 24x38-INCH 4:1 EACH	521.0342 APRON ENDWALLS FOR CULVERT PIPE SLOPED CROSS DRAINS STEEL 42-INCH 4:1 EACH	521.0442 APRON ENDWALLS FOR CULVERT PIPE SLOPED CROSS DRAINS STEEL 42-INCH 6:1 EACH	521.0348 APRON ENDWALLS FOR CULVERT PIPE SLOPED CROSS DRAINS STEEL 48-INCH 4:1 EACH	521.0360 APRON ENDWALLS FOR CULVERT PIPE SLOPED CROSS DRAINS STEEL 60-INCH 4:1 EACH	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1015 15-INCH EACH	522.1018 18-INCH EACH	522.1024 24-INCH EACH	522.1036 36-INCH EACH	522.1042 42-INCH EACH	522.1048 48-INCH EACH	522.1060 60-INCH EACH	522.1066 66-INCH EACH	522.1072 72-INCH EACH	522.2614 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 14x23-INCH EACH	522.2619 19x30-INCH EACH	522.2624 24x38-INCH EACH	522.2629 29x45-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
0010	EW 1	127+82.06	42.9 ' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	3	1	---	1
	EW 2	128+01.04	59.1 ' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	3	1	---	---
	EW 3	131+95.00	37.4 ' LT	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	3	1	---	1
	EW 4	132+50.00	59.0 ' LT	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	3	1	---	---
	EW 5	133+43.20	30.2 ' RT	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	1	---	1
	EW 6	133+44.42	40.0 ' LT	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	3	1	---	---
	EW 7	137+73.71	40.0 ' RT	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	3	1	---	1
	EW 8	137+54.43	49.5 ' LT	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	3	1	---	---
	EW 9	140+25.00	50.0 ' LT	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	3	1	---	1
	EW 10	141+00.00	36.0 ' LT	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	3	1	---	---
	EW 11	147+81.00	41.8 ' LT	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	3	1	---	1
	EW 12	148+75.00	57.9 ' LT	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	3	1	---	---
	EW 13	149+60.89	32.5 ' RT	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	1	---	1
	EW 14	149+59.03	49.5 ' LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	3	1	---	---
	EW 15	149+69.59	32.5 ' RT	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	1	---	1
	EW 16	149+67.64	49.5 ' LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	3	1	---	---
	EW 31	201+93.95	37.2 ' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	3	1	1	---
	EW 32	201+46.76	35.0 ' RT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	3	1	1	---
	EW 33	207+00.00	37.0 ' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	3	1	1	---
	EW 34	209+85.62	44.1 ' RT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	3	1	---	1
	EW 35	211+07.30	45.1 ' RT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	3	1	---	---
	EW 36	223+53.16	87.9 ' LT	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	3	1	1	---
	EW 37	224+47.41	111.8 ' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	3	1	1	---
	EW 38	232+68.97	54.2 ' LT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	3	1	1	---
	EW 39	238+73.44	47.5 ' LT	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	3	1	---	1
	EW 40	239+17.14	46.0 ' RT	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	3	1	---	---
	EW 40.1	238+81.72	47.5 ' LT	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	3	1	---	1
	EW 40.2	239+25.42	46.0 ' RT	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	3	1	---	---
	EW 45	249+77.80	35.6 ' LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	3	1	1	---
	CATEGORY 0010 TOTALS			2	---	---	1	---	6	7	1	---	1	4	1	---	2	---	---	1	2	1	84	29	7	11
0100	EW 25	187+40.00	62.7 ' LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	1	---	1
	EW 26	187+40.00	53.7 ' RT	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	3	1	---	---
	CATEGORY 0100 TOTALS			---	---	---	---	---	---	---	---	---	---	---	---	---	2	---	---	---	---	---	6	2	---	1
0110	EW 19	161+88.34	38.0 ' RT	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	1	---	1
	EW 20	162+38.11	48.0 ' LT	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	3	1	---	---
	CATEGORY 0110 TOTALS			---	---	---	---	1	---	---	---	---	---	---	---	1	---	---	---	---	---	---	5	2	---	1
0010^	EW 17	154+71.02	35.3 ' LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	3	1	---	1
	EW 18	155+69.89	47.9 ' LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	3	1	---	---
	EW 23	177+81.00	35.2 ' LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	3	1	---	1
	EW 24	178+36.53	51.0 ' LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	3	1	---	---
	EW 27	189+95.10	70.7 ' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	3	1	---	1
	EW 28	190+68.86	42.7 ' LT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	3	1	---	---
	EW 29	191+22.80	38.5 ' LT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	3	1	1	---
	EW 30	197+05.48	34.4 ' LT	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	3	1	1	---
	EW 41	239+35.97	52.7 ' LT	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	3	1	---	1
	EW 42	240+54.03	42.9 ' LT	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	3	1	---	---
	EW 46	249+93.91	84.1 ' LT	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	3	1	1	---
	EW 47	259+22.97'	38.5 ' RT	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	1	1	---
	EW 48	261+97.10	91.9 ' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	3	1	1	---
	CATEGORY 0010^ TOTALS			---	---	1	---	---	3	1	3	1	---	---	---	---	---	---	---	---	---	---	38	13	5	4
0140	EW 55	43+25.08 H	27.0 ' LT	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	1	---	1
	EW 56	42+80.84 H	28.1 ' RT	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	1	---	---
	EW 57	43+14.86 H	26.6 ' LT	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	1	---	1
	EW 58	42+70.85 H	27.4 ' RT	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	1	---	---
	CATEGORY 0140 TOTALS			---	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8	4	---	2
	ALL CATEGORY TOTALS			2	4	1	1	1	9	8	4	1	1	4	1	1	2	2	4	1	2	1	141	50	12	19

*NON-BID ITEM: FOR INFORMATION ONLY
^QUANTITIES ASSOCIATED WITH MULTI-USE PATH

**ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

STORM SEWER SUMMARY

CATEGORY	FROM STRUCTURE	TO STRUCTURE	608.0412 12-INCH LF	608.0415 15-INCH LF	608.0418 18-INCH LF	608.0424 24-INCH LF	608.0436 36-INCH LF	608.0442 42-INCH LF	608.2419 19X30-INCH LF	608.2429 29X45-INCH LF	608.2434 34X53-INCH LF	520.8000 CONCRETE COLLARS FOR PIPE EACH	SPV.0060.09* UTILITY LINE OPENING EACH
			STORM SEWER PIPE REINFORCED CONCRETE CLASS IV						STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV				
0010	EW 31	INL 3.1	---	47	---	---	---	---	---	---	---	---	---
	INL 3.1	EW 32	---	---	---	---	---	---	68	---	---	---	---
	EW 33	MH 2	---	160	---	---	---	---	---	---	---	---	---
	INL 4	MH 2	9	---	---	---	---	---	---	---	---	---	---
	MH 2	MH 3	---	---	---	115	---	---	---	---	---	---	---
	INL 5	MH 3	---	---	---	115	---	---	---	---	---	---	---
	INL 6	MH 4	---	---	---	185	---	---	---	---	---	---	---
	INL 7	MH 5	---	---	---	230	---	---	---	---	---	---	---
	INL 8.1	INL 8	---	79	---	---	---	---	---	---	---	---	---
	INL 8	MH 6	---	---	---	265	---	---	---	---	---	---	---
	INL 9	MH 7	---	---	---	265	---	---	---	---	---	---	---
	INL 10	INL 11	---	---	---	295	---	---	---	---	---	---	---
	EW 36	INL 11	---	---	---	---	50	---	---	---	---	---	---
	INL 11	EX INL 3	---	---	---	---	119	---	---	---	---	1	---
	EW 37	MH 8	---	70	---	---	---	---	---	---	---	---	---
	MH 8	MH 9	---	200	---	---	---	---	---	---	---	---	---
	INL 12	MH 9	8	---	---	---	---	---	---	---	---	---	---
	MH 9	INL 13	---	290	---	---	---	---	---	---	---	---	---
	INL 13	INL 13.1	---	---	85	---	---	---	---	---	---	---	---
	INL 13.1	MH 10	---	---	200	---	---	---	---	---	---	---	---
	MH 10	EW 38	---	---	51	---	---	---	---	---	---	---	---
	EW 45	MH 11	---	---	---	---	---	---	---	39	---	---	---
	MH 11	INL 14	---	---	---	---	---	---	---	---	58	---	---
	UNDISTRIBUTED		---	---	---	---	---	---	---	---	---	---	4
	SUBTOTALS		17	846	336	1470	169	---	68	39	58	1	4
0010^	EW 30	INL 3	202	---	---	---	---	---	---	---	---	---	---
	INL 3	INL 2	---	197	---	---	---	---	---	---	---	---	---
	INL 2	EW 29	---	---	174	---	---	---	---	---	---	---	---
	EW 46	MH 11	---	---	---	58	---	---	---	---	---	---	---
	INL 14	INL 15	---	---	---	---	---	---	---	---	275	---	---
	INL 15	INL 16	---	---	---	---	---	250	---	---	---	---	---
	INL 16	INL 17	---	---	---	---	---	250	---	---	---	---	---
	INL 17	EW 47	---	---	---	---	---	113	---	---	---	---	---
	EX INL 4	EW 48	---	70	---	---	---	---	---	---	---	1	---
	SUBTOTALS		202	267	174	58	---	613	---	---	275	1	---
	TOTALS		219	1,113	510	1,528	169	613	68	39	333	2	4

*ADDITIONAL QUANTITIES LISTED ELSEWHERE
^QUANTITIES ASSOCIATED WITH MULTI-USE PATH

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 15-INCH LF	204.0245 .02 18-INCH LF	204.0245 .03 36-INCH LF	204.0280 SEALING PIPES EACH	611.8115 ADJUSTING INLET COVERS EACH	SPV.0060.25 STORM SEWER TAP EACH	SPV.0060.26 SEALING MANHOLE OPENINGS EACH	SPV.0060.27 MORTARING INLETS EACH
0010	104+48	-	125+51	---	---	---	---	---	---	4	---	---	---
	125+51	-	160+00	12	---	---	---	---	---	2	---	---	---
	160+00	-	201+25	7	---	---	---	---	---	---	---	---	---
	201+25	-	239+25	5	1	---	18	141	1	1	1	---	---
	239+25	-	280+00	4	---	62	---	---	---	1	1	1	1
	76TH STREET			3	---	---	---	---	---	---	---	---	---
	CATEGORY 0010 TOTALS			31	1	62	18	141	1	8	2	1	1
0140	76TH STREET			2	---	---	---	---	---	---	---	---	---
	CATEGORY 0140 TOTALS			2	---	---	---	---	---	---	---	---	---
	ALL CATEGORY TOTALS			33	1	62	18	141	1	8	2	1	1

STORM SEWER ITEMS

CATEGORY	STRUCT. ID#	STATION	OFFSET		611.2004 MANHOLES 4-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0627 INLET COVERS TYPE HM EACH	611.0645 INLET COVERS TYPE MS-A EACH	650.4000** CONSTRUCTION STAKING STORM SEWER EACH
0010	INL 3.1	201+46.76	32.8	' LT	---	---	---	---	---	---	1	---	---	---	2	1
	MH 2	208+60.01	43.5	' LT	1	---	---	---	---	---	---	1	---	---	---	1
	INL 4	208+60.00	34.7	' LT	---	---	---	---	1	---	---	---	---	1	---	1
	INL 5	209+75.01	35.5	' LT	---	---	---	1	---	---	---	---	---	1	---	1
	INL 6	210+90.01	35.5	' LT	---	---	---	1	---	---	---	---	---	1	---	1
	INL 7	212+75.01	35.5	' LT	---	---	---	1	---	---	---	---	---	1	---	1
	INL 8.1	215+05.00	43.0	' RT	---	---	---	---	---	1	---	---	---	---	1	1
	INL 8	215+05.01	35.5	' LT	---	---	---	1	---	---	---	---	---	1	---	1
	INL 9	217+70.01	35.5	' LT	---	---	---	1	---	---	---	---	---	1	---	1
	INL 10	220+35.01	39.5	' LT	---	---	---	1	---	---	---	---	---	1	---	1
	INL 11	223+30.01	43.8	' LT	---	1	---	---	---	---	---	---	---	1	---	1
	MH 8	224+49.98	42.0	' LT	1	---	---	---	---	---	---	---	1	---	---	1
	MH 9	226+50.01	41.0	' LT	1	---	---	---	---	---	---	---	1	---	---	1
	INL 12	226+50.00	48.5	' LT	---	---	---	---	1	---	---	---	---	1	---	1
	INL 13	229+40.00	37.9	' LT	---	---	---	1	---	---	---	---	---	1	---	1
	INL 13.1	230+25.00	35.2	' LT	---	---	---	1	---	---	---	---	---	1	---	1
	MH 10	232+24.98	28.2	' LT	1	---	---	---	---	---	---	1	---	---	---	1
	MH 11	250+17.08	31.5	' LT	---	---	1	---	---	---	---	---	1	---	---	1
		SUBTOTALS			4	1	1	8	2	1	1	2	3	11	3	18
0010^	INL 2	193+00.00	30.2	' LT	---	---	---	1	---	---	---	---	---	1	---	1
	INL 3	195+00.00	30.5	' LT	---	---	---	1	---	---	---	---	---	1	---	1
	INL 14	250+74.91	25.5	' LT	---	---	1	---	---	---	---	---	---	1	---	1
	INL 15	253+49.92	25.5	' LT	---	---	1	---	---	---	---	---	---	1	---	1
	INL 16	256+00.00	35.63	' LT	---	1	---	---	---	---	---	---	---	1	---	1
	INL 17	258+49.93	47.82	' LT	---	1	---	---	---	---	---	---	---	1	---	1
		SUBTOTALS			---	2	2	2	---	---	---	---	---	6	---	6
		TOTALS			4	3	3	10	2	1	1	2	3	17	3	24

^QUANTITIES ASSOCIATED WITH MULTI-USE PATH

**ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

CONCRETE CURB & GUTTER

CATEGORY	STATION		STATION	204.0150 REMOVING CURB & GUTTER LF	601.0555 6-INCH SLOPED 36-INCH TYPE A LF	601.0407 18-INCH TYPE D LF	601.0409 30-INCH TYPE A LF	601.0411 30-INCH TYPE D LF	601.0600 CONCRETE CURB PEDSTRIAN LF
0010	104+48	-	125+51	420	---	---	385	37	155
	125+51	-	160+00	330	350	---	---	---	---
	160+00	-	201+25	205	200	---	---	---	---
	201+25	-	239+25	285	2,870	20	---	---	16
	239+25	-	280+00	300	300	---	28	---	64
	SUBTOTALS			1,540	3,720	20	413	37	235
0010^	104+48	-	125+51	---	---	---	---	---	---
	125+51	-	160+00	---	---	---	---	---	---
	160+00	-	201+25	---	485	---	---	---	---
	201+25	-	239+25	---	---	---	---	---	---
	239+25	-	280+00	---	820	---	---	---	---
	SUBTOTALS			---	1,305	---	---	---	---
	TOTALS			1,540	5,025	20	413	37	235

^QUANTITIES ASSOCIATED WITH MULTI-USE PATH

SIDEWALK ITEMS

CATEGORY	STATION		STATION	204.0155 REMOVING CONCRETE SIDEWALK SY	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 CONSTRUCTION STAKING SIDEWALK 01. 2040-15-73 EACH
0010	104+48	-	125+51	220	1398	60	---	6	---
	125+51	-	160+00	39	190	20	---	2	---
	160+00	-	201+25	---	---	---	---	---	---
	201+25	-	239+25	---	278	60	---	3	---
	239+25	-	280+00	119	933	20	47	6	---
	SUBTOTALS			378	2,799	160	47	17	1
0010^	104+48	-	125+51	---	3,377	180	95	14	---
	125+51	-	160+00	---	926	40	51	4	---
	160+00	-	201+25	---	---	---	---	---	---
	201+25	-	239+25	---	744	20	67	3	---
	239+25	-	280+00	---	245	40	---	2	---
	SUBTOTALS			---	5,292	280	212	23	---
	TOTALS			378	8,091	440	259	40	1

^QUANTITIES ASSOCIATED WITH MULTI-USE PATH

MAINTENANCE AND REPAIR OF HAUL ROADS

CATEGORY	PROJECT	618.0100 EACH
0010	2040-15-73	1

MOBILIZATION

CATEGORY	PROJECT	619.1000 EACH
0010	2040-15-73	1

CULVERT PIPE AND FLUME EROSION CONTROL ITEMS

CATEGORY	STATION	LOCATION	606.0200 RIPRAP MEDIUM CY	645.0120 GEOTEXTILE TYPE HR SY
0010	132+60	LT	2	10
	133+44	LT	6	20
	137+53	LT	15	42
	148+85	LT	2	10
	149+64	LT	8	26
	155+80	LT	3	12
	178+55	LT	3	12
	189+90	LT	3	13
	191+12	LT	3	13
	191+60	LT	3	11
	201+47	RT	5	17
	232+75	LT	3	13
	239+25	LT	2	9
	249+60	LT	3	13
	259+25	RT	10	29
	262+00	LT	6	20
	51+25 H	LT	4	16
	50+65 J	RT	3	13
	SUBTOTALS		85	298
0140	42+70 H	RT	56	134
	SUBTOTALS		56	134
	TOTALS		140	431

WATER

CATEGORY	STATION		STATION	LOCATION	624.0100 MGAL
0010	104+48	-	280+00	RT/LT	65

MGS GUARDRAIL ITEMS

CATEGORY	STATION		STATION	LOCATION	204.0165 REMOVING GUARDRAIL LF	614.0397 GUARDRAIL MOW STRIP EMULSIFIED ASPHALT SY	614.2300 MGS GUARDRAIL 3 LF	614.2310 MGS GUARDRAIL 3 HS LF	614.2320 MGS GUARDRAIL 3 QS LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH
0010	178+61	-	190+27	LT	1,077	510	---	50	988	2
	178+93		190+73	RT	1,176	---	1,088	---	---	2
	216+50	-	217+36	RT	86	---	---	---	---	---
	TOTALS				2,339	510	1,088	50	988	4

MOBILIZATIONS EROSION CONTROL

CATEGORY	PROJECT	628.1905 EACH
0010	2040-15-73	16

MOBILIZATIONS EMERGENCY EROSION CONTROL

CATEGORY	PROJECT	628.1910 EACH
0010	2040-15-73	8

EROSION CONTROL ITEMS

CATEGORY	STATION - STATION			LOCATION	628.1104 EROSION BALES EACH	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.1530.S SILT FENCE HEAVY DUTY LF	628.1535.S SILT FENCE HEAVY DUTY MAINTENANCE LF	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	628.7560 TRACKING PADS EACH	628.7570 ROCK BAGS EACH
0010	104+48	-	125+51	LT/RT	---	---	---	---	---	1	6	24	---	30	3	---	3
	125+51	-	160+00	LT/RT	---	1,620	1,620	272	272	2	---	2	---	300	75	---	115
	160+00	-	201+25	LT/RT	---	4,060	4,060	607	607	2	---	2	---	240	54	---	194
	201+25	-	239+25	LT/RT	---	2,030	2,030	104	104	15	3	11	---	150	43	---	63
	239+25	-	280+00	LT/RT	---	375	375	259	259	5	---	4	1	205	19	---	19
	76TH STREET				---	---	---	---	---	---	---	---	---	405	25	---	25
	UNDISTRIBUTED				25	2,021	2,021	500	500	3	5	3	4	235	27	2	50
	TOTALS				25	10,106	10,106	1,742	1,742	28	14	46	5	1,565	246	2	469

FINISHING ITEMS

CATEGORY	STATION - STATION	LOCATION	625.0100 TOPSOIL SY	627.0200 MULCHING SY	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIXTURE NO. 30 LB	630.0160 SEEDING MIXTURE NO. 60 LB	SPV.0085.01 SEEDING MIXTURE NO. 95A LB	630.0200 SEEDING TEMPORARY LB	630.0300 SEEDING BORROW PIT LB	630.0400 SEEDING NURSE CROP LB	630.0500 SEED WATER MGAL	631.0300 SOD WATER MGAL	631.1000 SOD LAWN SY
0010	104+48 - 125+51	LT/RT	1,290	--	1,290	2	58	--	--	69	--	--	29	--	--
	125+51 - 160+00	RT/RT	10,770	--	10,770	14	484	--	--	436	--	--	242	--	--
	160+00 - 201+25	LT/RT	14,530	--	14,530	18	376	42	208	785	--	173	326	--	--
	201+25 - 239+25	LT/RT	9,710	--	9,710	12	346	5	--	525	--	--	179	39	1,720
	239+25 - 280+00	LT/RT	9,320	--	9,320	12	390	--	--	503	--	--	195	15	650
	76TH STREET	LT/RT	3,200	--	3,200	4	144	--	--	173	--	--	72	--	--
	WASTE SITE	---	--	6,940	--	9	--	--	--	--	94	--	156	--	--
	10% UNDISTRIBUTED	---	4,880	690	4,880	10	180	5	20	250	10	20	120	10	240
	TOTALS		53,700	7,630	53,700	81	1,978	52	228	2,741	104	193	1,319	64	2,610

FIELD OFFICE TYPE C

CATEGORY	PROJECT	642.5201 EACH
0010	2040-15-73	1

TRAFFIC CONTROL

CATEGORY	PROJECT	643.5000 EACH
0010	2040-15-73	1

TRAFFIC CONTROL AND DETOUR ITEMS

CATEGORY	STATION - STATION	STAGE	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	643.0800 TRAFFIC CONTROL ARROW BOARDS DAY	643.0900 TRAFFIC CONTROL SIGNS DAY	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	643.0920 TRAFFIC CONTROL COVER/UNCOVER CYCLES EACH	643.1000 TRAFFIC CONTROL SIGNS FIXED MESSAGE SF	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY	643.1070 TRAFFIC CONTROL CONES 42-INCH DAY	644.1440 TEMPORARY PEDESTRIAN SURFACE MATTING SF	644.1601 TEMPORARY PEDESTRIAN CURB RAMP DAY	644.1605 TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD SF	644.1810 TEMPORARY PEDESTRIAN BARRICADE LF
0010	STH 36/STH 100 INTERSECTION	STAGE 1	11	990	187	374	462	22	418	3	1	---	---	2,750	---	---	---	12
	STH 36/STH 100 INTERSECTION	STAGE 2	11	1,210	220	341	275	22	374	1	1	---	4	2,310	---	---	---	---
	STH 36/STH 100 INTERSECTION	STAGE 3	11	310	132	264	253	22	407	3	1	---	4	2,340	---	---	---	---
	PUETZ/STH 100 INTERSECTION	STAGE 4	14	---	336	672	---	---	210	---	---	---	---	---	---	---	---	---
	125+50 - 270+00	ALL	112	11,200	7,620	13,890	---	---	4,140	---	---	54	---	---	---	---	---	---
	60TH STREET	STAGE 1	15	1,920	75	150	---	---	330	1	1	---	---	---	175	30	24	231
	DETOUR	ALL	112	---	2,240	4,480	---	---	19,380	4	1	---	10	---	---	---	---	---
	TOTALS			15,630	10,810	20,171	990	66	25,259	12		54	18	7,400	175	30	24	243

TEMPORARY MARKING

CATEGORY	STAGE	WHITE (3' SEG. 9' GAP) LF	643.3180 LINE REMOVABLE TAPE 6-INCH WHITE LF	YELLOW LF	643.3280 LINE REMOVABLE TAPE 10-INCH WHITE LF	643.3350 CROSSWALK REMOVABLE TAPE 6-INCH LF	643.3550 ARROW REMOVABLE TAPE EACH	643.3850 STOP LINE REMOVABLE TAPE 18-INCH WHITE LF
0010	STAGE 1	---	1370	290	---	437	---	---
	STAGE 2	88	347	580	775	---	6	43
	STAGE 3	---	1,290	188	351	---	4	79
	TOTALS		4,153		1,126	437	10	122

PAVEMENT MARKING ITEMS

CATEGORY	STATION - STATION	646.2020 MARKING LINE EPOXY 6-INCH SOLID WHITE LF	646.2020 MARKING LINE EPOXY 6-INCH SOLID YELLOW LF	646.2040 MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE LF	646.2040 DASHED WHITE 12.5-FOOT SEG., 37.5-FOOT GAP LF	646.2040 DASHED WHITE 3-FOOT SEG., 9-FOOT GAP LF	646.2040 YELLOW LF	646.2040 DASHED YELLOW 12.5-FOOT SEG., 37.5-FOOT GAP LF	646.2025 MARKING LINE GROOVED BLACK EPOXY 6-INCH 12.5-FOOT SEG. 37.5-FOOT GAP LF	646.4020 MARKING LINE EPOXY 10-INCH WHITE LF	646.4020 DASHED WHITE 3-FOOT SEG., 9-FOT GAP LF	646.4040 MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH WHITE LF	646.4040 DASHED WHITE 3-FOOT SEG., 9-FOOT GAP LF	646.4025 MARKING LINE GROOVED BLACK EPOXY 10-INCH DASHED BLACK 3-FOOT SEG., 9-FOOT GAP LF	646.6466 COLD WEATHER MARKING EPOXY 6-INCH LF	646.6470 COLD WEATHER MARKING EPOXY 10-INCH LF
0010	104+48 - 125+51	126	137	5,370	1,191	---	5,910	---	1,191	72	---	3,620	219	196	---	---
	125+51 - 160+00	389	438	6,450	46	32	3,400	672	---	---	---	250	316	---	---	---	---
	160+00 - 201+25	371	342	8,120	91	---	5,900	588	---	93	---	103	28	---	---	---	---
	201+25 - 239+25	---	---	8,170	---	159	11,400	198	---	---	73	2,450	150	---	---	---	---
	239+25 - 280+00	467	466	4,850	88	---	6,720	---	---	---	---	182	37	---	---	---	---
	40+19 H - 58+24 H	---	---	3,300	---	---	5,690	---	---	---	---	401	---	---	---	---	---
	UNDISTRIBUTED	---	---	---	---	---	---	---	---	---	---	---	---	---	20,000	2,000
	SUB-TOTALS	1,353	1,383	36,260	1,415	191	39,020	1,458	1,191	165	73	7,006	750	196	20,000	2,000
	TOTALS	2,736		78,344					1,191	238		7,756		196	20,000	2,000

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 EACH	646.7120 MARKING DIAGONAL EPOXY 12-INCH YELLOW LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH WHITE LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.8120 MARKING CURB EPOXY YELLOW LF	646.8220 MARKING ISLAND NOSE EPOXY YELLOW EACH
0010	104+48 - 125+51	22	9	240	10	176	97	887	86	5
	125+51 - 160+00	6	---	111	---	113	---	304	---	---
	160+00 - 201+25	2	---	27	---	---	---	---	28	1
	201+25 - 239+25	16	5	126	---	953	196	273	20	2
	239+25 - 280+00	2	1	16	---	1,040	333	60	---	---
	40+19 H - 58+24 H	4	2	63	---	313	---	---	---	---
	SUB-TOTALS	52	17	583	10	2,595	626	1,524	134	8
	TOTALS	52	17	583	10	3,221		1,524	134	8

CONSTRUCTION STAKING SUMMARY

CATEGORY	STATION - STATION	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT LF	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE LF	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
0010	104+48 - 125+51	---	---	4,200	1,560
	125+51 - 160+00	3,450	3,450	---	6,900
	160+00 - 201+25	4,130	4,130	---	8,250
	201+25 - 239+25	3,800	3,800	---	7,600
	239+25 - 263+89	2,460	2,460	---	4,930
	40+19 H - 58+24 H	1,810	1,810	---	3,610
	TOTALS	15,650	15,650	4,200	32,850

MARKING REMOVAL ITEMS

CATEGORY	STATION - STATION	646.9000 MARKING REMOVAL LINE 4-INCH LF	646.9100 MARKING REMOVAL LINE 8-INCH LF	646.9200 MARKING REMOVAL LINE WIDE LF	646.9300 MARKING REMOVAL SPECIAL MARKING EACH
0010	104+48 - 125+51	593	12	171	3
	239+25 - 280+00	---	---	---	---
	TOTALS	593	12	171	3

CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS

CATEGORY	PROJECT	650.8501 EACH
0010	2040-15-73	1

CONSTRUCTION STAKING SUPPLEMENTAL CONTROL

CATEGORY	PROJECT	650.9911 EACH
0010	2040-15-73	1

LOCATING NO-PASSING ZONES

CATEGORY	STATION-STATION	648.0100 MI
0010	125+51 - 201+25	1.44

INCENTIVE FLEXURAL STRENGTH CONCRETE PAVEMENT

CATEGORY	PROJECT	715.0715 DOL
0010	2040-15-73	21,363

SECTION CORNER MONUMENTS

CATEGORY	STATION	LOCATION	SPV.0060.29 EACH
0010	198+38.15	13.1' RT	1
	223+94.50	0.0' RT	1
	250+17.08	0.0' RT	1
	TOTAL		3

SAWING EXISTING PAVEMENT

CATEGORY	STATION - STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
0010	104+48 - 125+51	LT/RT	35	867
	125+51 - 160+00	LT/RT	275	92
	160+00 - 201+25	LT/RT	96	---
	201+25 - 239+25	LT/RT	165	6
	239+25 - 280+00	LT/RT	67	485
	76TH STREET		324	41
	TOTALS		962	1,491

3

WATER ITEMS

CATEGORY	STATION	OFFSET (FT)	LT/RT	SPV.0060.30 ADJUSTING WATER VALVE BOXES EACH	SPV.0060.31 REPLACE WATER VALVE BOX TOPS EACH	SPV.0165.01 WATER MAIN INSULATION SF
0150	116+29.40	65.70	RT	1	---	---
	115+15.00	52.00	LT	---	1	---
	115+23.02	50.20	LT	---	1	---
	116+31.30	46.00	LT	---	1	---
	116+39.60	50.50	LT	---	1	---
	117+52.30	50.00	LT	---	1	---
	119+29.10	79.70	LT	1	---	---
	119+38.00	85.60	LT	1	---	---
	119+41.03	75.70	LT	1	---	---
	119+71.40	63.40	LT	1	---	---
	128+06.51	43.40	RT	1	---	---
	128+16.00	78.00	LT	1	---	---
	128+14.00	70.50	LT	1	---	---
	128+08.80	64.40	LT	1	---	---
	127+55.70	45.40	RT	1	---	---
	127+48.20	72.50	RT	1	---	---
	128+11.51	43.41	RT	1	---	---
	141+88.90	55.13	LT	1	---	---
	142+62.40	56.20	LT	1	---	---
	142+69.90	68.30	LT	1	---	---
	142+70.70	58.10	LT	1	---	---
	142+81.90	56.40	LT	1	---	---
	143+89.40	35.24	RT	1	---	---
	146+41.50	56.70	LT	1	---	---
	146+76.60	36.60	RT	1	---	---
	146+85.50	48.20	RT	1	---	---
	146+86.20	47.70	LT	1	---	---
	147+66.40	54.00	LT	1	---	---
	150+24.01	56.45	LT	1	---	---
	152+92.00	55.90	LT	1	---	---
	156+93.30	48.40	LT	1	---	---
	156+97.90	51.83	LT	1	---	---
	157+02.50	50.54	LT	1	---	---
	203+82.60	38.30	RT	1	---	---
	207+40.00	38.20	RT	1	---	---
	210+21.48	37.85	RT	1	---	---
	210+27.80	59.30	RT	1	---	---
	211+09.00	38.60	RT	1	---	---
	211+19.80	38.32	RT	1	---	---
	55+86.00 H	25.00	LT	1	---	---
	55+83.77 H	26.33	LT	1	---	---
	215+05.00	36.20	RT	---	---	55
	223+61.74	151.50	LT	1	---	---
	223+62.76	62.58	LT	1	---	---
	223+45.30	50.70	RT	---	---	70
	223+56.62	53.62	RT	1	---	---
	244+34.40	74.00	RT	1	---	---
	224+70.00	40.00	RT	1	---	---
	239+19.80	40.70	RT	---	---	190
	249+92.00	65.10	LT	1	---	---
	249+92.50	60.10	LT	1	---	---
	249+93.91	84.10	LT	---	---	60
	250+08.60	50.60	LT	---	---	60
	251+00.00	25.40	LT	---	---	75
	259+06.58	45.00	RT	---	---	75
	TOTALS			43	5	585

SANITARY ITEMS

CATEGORY	STATION	OFFSET (FT)	LT/RT	SPV.0060.32 ADJUSTING SANITARY MANHOLE COVERS EACH	SPV.0060.33 SANITARY TRACER WIRE BOX EACH
0150	109+59.60	210.70	RT	1	---
	111+87.50	64.70	RT	1	---
	112+76.70	65.73	RT	1	---
	113+78.15	67.20	RT	1	---
	114+96.10	68.00	RT	1	---
	116+08.70	65.40	RT	1	---
	117+68.11	95.11	RT	1	---
	120+79.20	65.50	LT	1	---
	122+77.50	65.30	LT	1	---
	126+24.30	57.00	LT	1	---
	128+29.70	55.10	RT	1	---
	147+33.61	44.60	RT	1	---
	156+47.65	44.60	RT	---	1
	TOTALS			12	1

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STH 100 & STH 36

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

REMOVING CONCRETE BASES

BASE NO.	STATION	LOCATION	204.0195* EACH
EXSB1	21+04.4 A	63.9' LT	1
EXSB2	21+00.0 A	10.5' LT	1
EXSB3	21+15.1 A	13.0' RT	1
EXSB6	21+23.8 A	61..1 RT	1
EXSB7	119+28.2	67.0' LT	1
EXSB8	119+25.2	12.0' LT	1
EXSB9	119+39.8	12.5' RT	1
EXSB11	119+43.5	66.0' RT	1
EXSB12	19+57.4 A	63.4' RT	1
EXSB13	19+57.1 A	11.3' RT	1
EXSB14	19+46.1 A	12.4' LT	1
EXSB16	117+90.9	63.7' RT	1
EXSB17	117+91.2	12.8' RT	1
EXSB18	117+84.1	10.6' LT	1
EXSB20	117+72.7	60.5' LT	1
	TOTAL		15

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING PULL BOXES

PULL BOX NO.	STATION	LOCATION	653.0905* EACH
EXPB2	118+47.4	91.6' LT	1
EXPB7	119+43.2	61.4' LT	1
EXPB10	119+45.2	10.6' LT	1
EXPB11	119+46.1	11.5' RT	1
EXPB13	119+27.2	64.0' RT	1
EXPB18	118+44.6	91.5' RT	1
EXPB19	117+78.4	91.1' RT	1
EXPB22	117+79.2	63.1' RT	1
EXPB23	117+77.3	12.6' RT	1
EXPB24	117+77.2	10.9' LT	1
	TOTAL		10

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC SIGNAL PULL BOX SUMMARY

PULL BOX NO.	LOCATION* STATION	LOCATION* OFFSET	653.0135** PULL BOXES STEEL 24X36-INCH EACH	653.0140** PULL BOXES STEEL 24X42-INCH EACH
PB2	118+47.4	91.6' LT	--	1
PB7	119+64.6	61.0' LT	1	--
PB10	119+65.1	11.6' LT	1	--
PB11	119+46.0	11.5' RT	--	1
PB18	118+44.6	91.5' RT	--	1
PB19	117+53.5	84.7' RT	--	1
PB22	117+54.3	60.8' RT	--	1
PB23	117+55.9	12.7' RT	--	1
PB24	117+56.7	11.0' LT	--	1
PB26	119+50.1	58.8' LT	--	1
PB27	119+48.8	11.5' LT	--	1
PB28	117+58.2	59.6' LT	--	1
	TOTALS		2	10

*FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD
** ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC SIGNAL CONDUIT SUMMARY

FROM	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0615 CONDUIT SPECIAL 3-INCH LF
EXPB6	PB26	--	68	--
PB26	PB7	15	--	--
PB26	PB27	--	--	94
PB27	PB10	16	--	--
PB27	PB11	--	--	46
EXPB12	EXPB14	--	112	--
PB18	PB19	--	--	182
PB19	EXPB20	146	--	--
PB19	PB22	--	--	48
PB22	PB23	--	--	96
PB23	PB24	--	--	48
PB24	PB28	--	--	98
PB28	EXPB25	--	46	--
EXPB1	SB1	10	--	--
PB2	SB2	--	9	--
EXPB6	SB6	12	--	--
PB26	SB7	11	--	--
PB27	SB8	--	8	--
EXPB12	SB11	11	--	--
EXPB14	SB12	26	--	--
EXPB17	SB13	--	20	--
PB22	SB16	24	--	--
PB22	SB21	42	--	--
PB23	SB17	23	--	--
EXPB25	SB20	--	8	--
	TOTALS	336	271	612

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONCRETE BASES

SB NO.	STATION	LOCATION	654.0101* CONCRETE BASES TYPE 1 EACH	654.0102 CONCRETE BASES TYPE 2 EACH	654.0120* CONCRETE BASES TYPE 10-SPECIAL EACH	654.0113* CONCRETE BASES TYPE 13 EACH
SB1	117+93.3	81.9' LT	1	--	--	--
SB2	118+46.7	82.8' LT	--	--	--	1
SB6	119+24.6	81.9' LT	1	--	--	--
SB7	119+41.6	66.3' LT	1	--	--	--
SB8	119+41.2	11.4' LT	--	--	--	1
SB11	119+35.9	65.4' RT	1	--	--	--
SB12	119+23.5	70.6' RT	1	--	--	--
SB13	118+66.2	72.6' RT	--	--	--	1
SB16	117+78.4	63.1' RT	1	--	--	--
SB17	117+79.2	12.6' RT	--	1	--	--
SB20	117+78.5	65.5' LT	--	--	1	--
SB21	117+95.2	67.7' RT	1	--	--	--
	TOTALS		7	1	1	3

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC SIGNAL CABLE SUMMARY

FROM	TO	655.0230* CABLE TRAFFIC SIGNAL 5-14 AWG LF	655.0240* CABLE TRAFFIC SIGNAL 7-14 AWG LF	655.0260* CABLE TRAFFIC SIGNAL 12-14 AWG LF
EXCB1	SB1	---	---	51
SB1	HEAD 4	22	---	---
SB1	HEAD 6	19	---	---
SB1	HEAD 21	14	---	---
EXCB1	SB2	---	---	121
SB2	HEAD 2	60	---	---
SB2	HEAD 3	72	---	---
SB2	HEAD 5	36	---	---
EXCB1	SB6	---	238	---
SB6	HEAD 22	14	---	---
EXCB1	SB7	---	---	286
SB7	HEAD 14	19	---	---
SB7	HEAD19	22	---	---
SB7	HEAD 23	14	---	---
EXCB1	SB8	---	---	345
SB8	HEAD 11	61	---	---
SB8	HEAD 12	73	---	---
SB8	HEAD 13	38	---	---
EXCB1	SB11	---	452	---
SB11	HEAD 24	14	---	---
EXCB1	SB12	---	---	505
SB12	HEAD 1	19	---	---
SB12	HEAD 18	22	---	---
SB12	HEAD 25	14	---	---
EXCB1	SB13	---	---	437
SB13	HEAD 7	60	---	---
SB13	HEAD 8	72	---	---
SB13	HEAD 9	33	---	---
EXCB1	SB16	---	---	256
SB16	HEAD 10	19	---	---
SB16	HEAD 20	22	---	---
SB16	HEAD 27	14	---	---
EXCB1	SB17	---	---	192
SB17	HEAD 17	34	---	---
EXCB1	SB20	---	51	---
SB20	HEAD 28	14	---	---
SB20	HEAD 15	66	---	---
SB20	HEAD 16	54	---	---
EXCB1	SB21	---	274	---
SB21	HEAD 26	14	---	---
	TOTALS	935	1,015	2,193

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

INSTALL CONDUIT INTO EXISTING ITEM

ITEM NO.	STATION	LOCATION	652.0700.S* EACH
EXPB1	117+91.2	91.9' LT	1
EXPB6	119+34.4	89.3' LT	1
EXPB12	119+46.7	62.3' RT	1
EXPB14	119+13.0	94.6' RT	1
EXPB17	118+65.7	92.1' RT	1
EXPB20	116+08.9	65.1' RT	1
EXPB25	117+76.8	73.6' LT	1
	TOTAL		7

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

STH 100 & STH 36

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

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TRAFFIC SIGNAL LIGHTING WIRE SUMMARY

LOCATION		655.0320* CABLE TYPE UF 2-10 AWG GROUNDED	655.0610* ELECTRICAL WIRE LIGHTING 12 AWG
FROM	TO	LF	LF
EXCB1	SB2	124	--
SB2	LUMN	--	288
SB2	EXSB5	417	--
EXSB5	LUMN	--	144
EXCB1	EXSB4	332	--
EXSB4	LUMN	--	144
EXSB4	SB8	390	--
SB8	LUMN	--	288
EXCB1	EXSB10	517	--
EXSB10	LUMN	--	144
EXCB1	SB17	212	--
SB17	LUMN	--	288
SB17	EXSB15	393	--
EXSB15	LUMN	--	144
EXCB1	EXSB19	302	--
EXSB19	LUMN	--	288
EXSB19	SB13	481	--
SB13	LUMN	--	288
TOTALS		3,168	2,016

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC SIGNAL EVP DETECTOR CABLE

FROM	TO	655.0900* LF
EXCB1	SB2	168
EXCB1	SB8	334
EXCB1	SB13	411
EXCB1	SB20	113
TOTAL		1,025

* ADDITIONAL QUANTITIES LISTED ELSEWHERE
** FINAL LOCATION TO BE DETERMINED BY THE DEPARTMENT

ELECTRICAL SERVICE METER BREAKER PEDESTAL

LOCATION	656.0201.01* EACH
STH 100 & STH 36	1

* FINAL LOCATION TO BE DETERMINED BY THE FIELD ENGINEER

TRAFFIC SIGNAL MOUNTING HARDWARE

LOCATION	658.5070.01 EACH
STH 100 & STH 36	1

TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS

LOCATION	661.0201.01 EACH
STH 100 & STH 36	1

LOOP DETECTOR INSTALLATION

LOOP NO.	LOCATION* STATION	LOCATION* OFFSET	SIZE FT x FT	NO. OF TURNS	652.0800** CONDUIT LOOP DETECTOR LF	652.0900 LOOP DETECTOR SLOTS LF	655.0700** LOOP DETECTOR LEAD IN CABLE LF	655.0800** LOOP DETECTOR WIRE LF	REMARKS/SDD INSTALLATION REFERENCE
11	19+29.7 A	1.5' LT	6 x 20	4	--	--	391	251	USE EXISTING LOOP DETECTOR CONDUIT
12	19+57.7 A	1.6' LT	6 x 20	4	--	--	391	243	USE EXISTING LOOP DETECTOR CONDUIT
21	24+31.3 A	34.5' LT	6 x 20	4	--	--	452	249	USE EXISTING LOOP DETECTOR CONDUIT
22	23+02.1 A	32.2' LT	6 x 20	3	--	--	307	195	USE EXISTING LOOP DETECTOR CONDUIT
31	119+69.0	0.6' LT	6 x 20	3	63	63	353	193	LOOP DETECTOR INSTALLED IN EXISTING CONCRETE PAVEMENT WITH NEW ASPHALTIC OVERLAY
32	119+41.0	0.4' LT	6 x 20	3	63	63	353	193	LOOP DETECTOR INSTALLED IN EXISTING CONCRETE PAVEMENT WITH NEW ASPHALTIC OVERLAY
41	114+84.2	29.8' RT	6 x 20	4	--	--	574	265	USE EXISTING LOOP DETECTOR CONDUIT
42	116+08.0	30.1' RT	6 x 20	4	--	--	432	277	USE EXISTING LOOP DETECTOR CONDUIT
43	117+50.1	35.9' RT	6 x 20	3	75	75	232	217	LOOP DETECTOR INSTALLED IN EXISTING CONCRETE PAVEMENT WITH NEW ASPHALTIC OVERLAY
44	117+78.0	35.9' RT	6 x 20	3	74	74	232	215	LOOP DETECTOR INSTALLED IN EXISTING CONCRETE PAVEMENT WITH NEW ASPHALTIC OVERLAY
45	117+50.0	24.4' RT	6 x 20	3	65	65	184	197	LOOP DETECTOR INSTALLED IN EXISTING CONCRETE PAVEMENT WITH NEW ASPHALTIC OVERLAY
46	117+78.0	24+4 RT	6 x 20	3	63	63	184	193	LOOP DETECTOR INSTALLED IN EXISTING CONCRETE PAVEMENT WITH NEW ASPHALTIC OVERLAY
51	21+40.9 A	2.0' RT	6 x 20	3	76	76	112	219	LOOP DETECTOR INSTALLED IN EXISTING CONCRETE PAVEMENT WITH NEW ASPHALTIC OVERLAY
52	21+12.9 A	2.2' RT	6 x 20	3	69	69	112	205	LOOP DETECTOR INSTALLED IN EXISTING CONCRETE PAVEMENT WITH NEW ASPHALTIC OVERLAY
61	15+89.6 A	27.4' RT	6 x 20	5	--	--	870	321	USE EXISTING LOOP DETECTOR CONDUIT
62	17+59.4 A	30.5' RT	6 x 20	5	--	--	684	317	USE EXISTING LOOP DETECTOR CONDUIT
71	117+50.0	0.1' LT	6 x 20	3	65	65	145	197	LOOP DETECTOR INSTALLED IN EXISTING CONCRETE PAVEMENT WITH NEW ASPHALTIC OVERLAY
72	117+78.0	0.1' LT	6 x 20	3	62	62	145	191	LOOP DETECTOR INSTALLED IN EXISTING CONCRETE PAVEMENT WITH NEW ASPHALTIC OVERLAY
81	122+77.7	23.5' LT	6 x 20	4	--	--	637	249	USE EXISTING LOOP DETECTOR CONDUIT
82	121+29.4	30.2' LT	6 x 20	4	--	--	469	267	USE EXISTING LOOP DETECTOR CONDUIT
83	119+70.6	48.0' LT	6 x 20	3	66	66	290	199	LOOP DETECTOR INSTALLED IN EXISTING CONCRETE PAVEMENT WITH NEW ASPHALTIC OVERLAY
84	119+42.6	47.8' LT	6 x 20	3	64	64	290	195	LOOP DETECTOR INSTALLED IN EXISTING CONCRETE PAVEMENT WITH NEW ASPHALTIC OVERLAY
85	119+70.4	36.0' LT	6 x 20	3	77	77	290	221	LOOP DETECTOR INSTALLED IN EXISTING CONCRETE PAVEMENT WITH NEW ASPHALTIC OVERLAY
86	119+42.4	35.8' LT	6 x 20	3	76	76	290	219	LOOP DETECTOR INSTALLED IN EXISTING CONCRETE PAVEMENT WITH NEW ASPHALTIC OVERLAY
87	119+70.0	24.3' LT	6 x 20	3	65	65	353	197	LOOP DETECTOR INSTALLED IN EXISTING CONCRETE PAVEMENT WITH NEW ASPHALTIC OVERLAY
88	119+42.0	24.1' LT	6 x 20	3	64	64	353	195	LOOP DETECTOR INSTALLED IN EXISTING CONCRETE PAVEMENT WITH NEW ASPHALTIC OVERLAY
	TOTALS				1,087	1,087	9,125	5,880	

*STATION AND OFFSET IS TO FRONT CENTER OF DETECTOR LOOP, FINAL LOCATION TO BE DETERMINED BY THE FIELD ENGINEER
** ADDITIONAL QUANTITIES LISTED ELSEWHERE

ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG

FROM	TO	655.0515* LF
EXCB1	SB1	54
SB1	SB2	111
SB2	EXSB4	246
EXSB4	EXSB5	181
EXSB5	SB6	463
SB6	SB7	93
SB7	SB8	102
SB8	EXSB10	201
EXSB10	SB11	247
SB11	SB12	129
SB12	SB13	129
SB13	EXSB15	224
EXSB15	SB16	333
SB16	SB21	87
SB21	SB17	149
SB17	EXSB19	236
EXSB19	SB20	284
SB20	EXCB1	54
EXPB1	EXCB1	26
PB2	SB2	27
EXPB3	SB2	222
EXPB4	SB2	367
EXPB5	SB2	66
EXPB6	SB6	30
PB26	SB7	29
PB7	SB7	59
PB10	SB8	42
PB11	SB8	79
EXPB12	SB11	29
EXPB14	SB12	44
EXPB16	SB12	420
EXPB17	SB13	38
PB18	SB13	78
PB19	SB16	81
PB22	SB16	42
PB23	SB17	41
PB24	SB17	80
PB28	SB20	64
EXPB25	EXCB1	43
TOTAL		5,230

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

TRAFFIC SIGNAL BASES, POLES, MONOTUBE ARMS, PUSH BUTTONS, AND LUMINAIRES

SIGNAL BASE NO.	657.0100* PEDESTAL BASES EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2 INCH BOLT CIRCLE EACH	657.0310 POLES TYPE 3 EACH	657.0430* TRAFFIC SIGNAL STANDARDS ALUMINUM 10-FT EACH	657.0425* TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	657.0585 TROMBONE ARMS 15-FT EACH	SPV.0060.11* TRANSPORT AND INSTALL POLES TYPE 9-SPECIAL EACH	SPV.0060.13 TRANSPORT AND INSTALL POLES TYPE 13 EACH	SPV.0060.14* TRANSPORT AND INSTALL POLES TYPE 13-OVER HEIGHT EACH	SPV.0060.17* TRANSPORT AND INSTALL MONOTUBE ARMS 45-FT-SPECIAL EACH	SPV.0060.18* TRANSPORT AND INSTALL MONOTUBE ARMS 50-FT EACH	658.0500* PEDESTRIAN PUSH BUTTONS EACH	SPV.0060.19* RANSPORT AND INSTALL LUMINAIRE ARMS STEEL 15-FT EACH	659.1125* LUMINAIRES UTILITY LED C EACH
SB1	1	--	--	--	1	--	--	--	--	--	--	1	--	--
SB2	--	--	--	--	--	--	--	1	--	--	1	1	2	2
SB6	1	--	--	1	--	--	--	--	--	--	--	1	--	--
SB7	1	--	--	--	1	--	--	--	--	--	--	1	--	--
SB8	--	--	--	--	--	--	--	--	1	--	1	1	2	2
SB11	1	--	--	1	--	--	--	--	--	--	--	1	--	--
SB12	1	--	--	--	1	--	--	--	--	--	--	1	--	--
SB13	--	--	--	--	--	--	--	--	1	--	1	1	2	2
SB16	1	--	--	--	1	--	--	--	--	--	--	1	--	--
SB17	--	1	1	--	--	1	--	--	--	--	--	1	2	2
SB20	--	--	--	--	--	--	1	--	--	1	--	1	--	--
SB21	1	--	--	1	--	--	--	--	--	--	--	1	--	--
TOTALS	7	1	1	3	4	1	1	1	2	1	3	12	8	8

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC SIGNAL FACES SUMMARY

SIGNAL BASE NO.	SIGNAL HEAD NO.	658.0173* TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0174* TRAFFIC SIGNAL FACE 4S 12-INCH EACH	658.0416* PEDESTRIAN SIGNAL FACE 16-INCH EACH
SB1	4	--	1	--
SB1	6	1	--	--
SB1	21	--	--	1
SB2	2	1	--	--
SB2	3	1	--	--
SB2	5	--	1	--
SB6	22	--	--	1
SB7	14	1	--	--
SB7	19	--	1	--
SB7	23	--	--	1
SB8	11	1	--	--
SB8	12	1	--	--
SB8	13	--	1	--
SB11	24	--	--	1
SB12	1	1	--	--
SB12	18	--	1	--
SB12	25	--	--	1
SB13	7	1	--	--
SB13	8	1	--	--
SB13	9	--	1	--
SB16	10	1	--	--
SB16	20	--	1	--
SB16	27	--	--	1
SB17	17	--	1	--
SB20	15	1	--	--
SB20	16	1	--	--
SB20	28	--	--	1
SB21	26	--	--	1
TOTALS		12	8	8

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVE TRAFFIC SIGNALS

LOCATION	SPV.0060.01 EACH
STH 100 & STH 36	1

TRANSPORT AND INSTALL EMERGENCY VEHICLE PREEMPTION SYSTEM

LOCATION	SPV.0060.04 EACH
STH 100 & STH 36	1

UTILITY LINE OPENING (ULO)

SB NO.	SPV.0060.09* EACH
SB2	1
SB6	1
SB8	1
SB13	1
SB17	1
TOTAL	5

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

MAINTAIN EXISTING TRAFFIC SIGNAL CABINET

LOCATION	CABINET NO.	SPV.0060.10 EACH
STH 100 & STH 36	EXCB1	1

LAMP, BALLAST, LED, SWITCH DISPOSAL BY CONTRACTOR

BASE NO.	STATION	LOCATION	659.5000.S* EACH
EXSB1	21+04.4 A	63.9' LT	2
EXSB2	21+00.0 A	10.5' LT	1
EXSB3	21+15.1 A	13.0' RT	3
EXSB6	21+23.8 A	61..1 RT	2
EXSB7	119+28.2	67.0' LT	2
EXSB8	119+25.2	12.0' LT	1
EXSB9	119+39.8	12.5' RT	3
EXSB11	119+43.5	66.0' RT	2
EXSB12	19+57.4 A	63.4' RT	2
EXSB13	19+57.1 A	11.3' RT	1
EXSB14	19+46.1 A	12.4' LT	3
EXSB16	117+90.9	63.7' RT	4
EXSB17	117+91.2	12.8' RT	1
EXSB18	117+84.1	10.6' LT	3
EXSB20	117+72.7	60.5' LT	2
TOTAL			32

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

SUMMARY OF STATE FURNISHED MATERIALS - FOR INFORMATION ONLY

QUANTITY	UNIT	DESCRIPTION
1	EACH	POLES TYPE 9-SPECIAL
1	EACH	POLES TYPE 13
2	EACH	POLES TYPE 13-OVER HEIGHT
1	EACH	MONOTUBE ARMS 45-FT SPECIAL
3	EACH	MONOTUBE ARMS 50-FT
8	EACH	LUMINAIRE ARMS STEEL 15-FT
4	EACH	EVP DETECTOR HEADS

STH 100 & 76TH STREET

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

REMOVING CONCRETE BASES

BASE NO.	STATION	LOCATION	204.0195* EACH
EXCB1	224+58.8	39.8' RT	1
EXSB1	49+47.1 H	31.7' RT	1
EXSB3	223+43.1	36.4' RT	1
EXSB5	50+58.5 H	27.9' LT	1
EXSB6	50+50.8 H	39.9' RT	1
EXSB7	224+46.5	36.9' LT	1
	TOTAL		6

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING MONOTUBE CONCRETE BASES

BASE NO.	STATION	LOCATION	204.9060.S.01 EACH
EXSB2	49+19.4 H	31.1' LT	1
EXSB4	223+24.2	31.1' LT	1
EXSB8	224+42.6	41.0' RT	1
	TOTAL		3

CONCRETE BASES

SB NO.	STATION	LOCATION	654.0101* CONCRETE BASES TYPE 1 EACH	654.0120* CONCRETE BASES TYPE 10-SPECIAL EACH	654.0113* CONCRETE BASES TYPE 13 EACH	654.0217* CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH
CB1	224+55.8	43.9' RT	--	--	--	1
SB1	49+38.2 H	40.6' RT	1	--	--	--
SB2	49+36.0 H	40.0' LT	--	1	--	--
SB3	223+19.6	35.5' RT	1	--	--	--
SB4	223+19.8	50.6' LT	--	--	1	--
SB5	223+58.9	65.1' LT	1	--	--	--
SB6	50+79.6 H	28.5' LT	1	--	--	--
SB7	50+77.4 H	48.6' RT	--	1	--	--
SB8	224+57.4	64.9' LT	1	--	--	--
SB9	224+82.2	51.9' LT	1	--	--	--
SB10	224+76.7	32.4' RT	--	--	1	--
	TOTALS		6	2	2	1

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC SIGNAL CONDUIT SUMMARY

FROM	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0605 CONDUIT SPECIAL 2-INCH LF
CB1	PB1	--	60	--
PB1	PB5	--	168	--
PB5	PB6	--	52	--
PB6	PB10	--	176	--
PB10	PB11	--	58	--
PB11	PB15	--	188	--
PB15	PB16	--	66	--
PB16	PB20	--	166	--
PB20	CB1	--	60	--
PB1	PB2	27	--	--
PB2	PB3	--	--	228
PB3	PB4	--	--	160
PB6	PB7	41	--	--
PB7	PB8	--	--	221
PB8	PB9	140	--	--
PB11	PB12	31	--	--
PB12	PB13	--	--	183
PB13	PB14	131	--	--
PB16	PB17	23	--	--
PB17	PB18	232	--	--
PB18	PB19	160	--	--
PB1	SB1	10	--	--
PB5	SB2	--	6	--
PB6	SB3	17	--	--
PB10	SB4	--	17	--
PB11	SB5	9	--	--
PB11	SB6	15	--	--
PB15	SB7	--	6	--
PB15	SB8	12	--	--
PB16	SB9	10	--	--
PB20	SB10	--	7	--
TOTALS		858	1,030	792

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC SIGNAL PULL BOX SUMMARY

PULL BOX NO.	LOCATION* STATION	LOCATION* OFFSET	653.0135** PULL BOXES STEEL 24X36-INCH EACH	653.0140** PULL BOXES STEEL 24X42-INCH EACH
PB1	49+47.0 H	45.0' RT	--	1
PB2	49+21.0 H	38.0' RT	1	--
PB3	46+92.7 H	31.8' RT	1	--
PB4	45+32.3 H	31.2' RT	1	--
PB5	49+41.8 H	39.2' LT	--	1
PB6	223+36.5	38.5' RT	--	1
PB7	222+95.5	35.6' RT	1	--
PB8	220+74.1	32.8' RT	1	--
PB9	219+33.6	32.9' RT	1	--
PB10	223+36.3	49.4' LT	--	1
PB11	50+71.7 H	42.7' LT	--	1
PB12	50+96.5 H	24.2' LT	1	--
PB13	52+79.4 H	20.5' LT	1	--
PB14	54+10.2 H	19.5' LT	1	--
PB15	50+72.2 H	51.3' RT	--	1
PB16	224+72.4	52.5' LT	--	1
PB17	224+95.6	52.4' LT	1	--
PB18	227+27.3	52.1' LT	1	--
PB19	228+87.1	45.6' LT	1	--
PB20	224+70.1	29.9' RT	--	1
TOTALS			12	8

*FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD
** ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING PULL BOXES

PULL BOX NO.	STATION	LOCATION	653.0905* EACH
EXPB1	49+38.8 H	35.3' RT	1
EXPB2	49+38.0 H	33.3' LT	1
EXPB3	223+30.2	37.8' RT	1
EXPB4	223+31.4	31.3' LT	1
EXPB5	50+62.9 H	31.1' LT	1
EXPB6	50+65.4 H	35.0' RT	1
EXPB7	224+60.2	33.1' LT	1
EXPB8	224+61.6	34.4' RT	1
	TOTAL		8

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC SIGNAL CABLE SUMMARY

FROM	TO	655.0230* CABLE TRAFFIC SIGNAL 5-14 AWG LF	655.0240* CABLE TRAFFIC SIGNAL 7-14 AWG LF	655.0260* CABLE TRAFFIC SIGNAL 12-14 AWG LF
CB1	SB1	---	---	60
SB1	HEAD 11	19	---	---
SB1	HEAD 19	22	---	---
CB1	SB2	---	---	155
SB2	HEAD 17	57	---	---
SB2	HEAD 18	19	---	---
SB2	HEAD 20	71	---	---
CB1	SB3	---	---	207
SB3	HEAD 1	19	---	---
SB3	HEAD 9	22	---	---
CB1	SB4	---	---	310
SB4	HEAD 7	51	---	---
SB4	HEAD 8	19	---	---
SB4	HEAD 10	71	---	---
CB1	SB5	---	314	---
SB5	HEAD 21	14	---	---
CB1	SB6	---	---	320
SB6	HEAD 14	22	---	---
SB6	HEAD 16	19	---	---
CB1	SB7	---	---	201
SB7	HEAD 12	55	---	---
SB7	HEAD 13	19	---	---
SB7	HEAD 15	68	---	---
CB1	SB8	---	208	---
SB8	HEAD 22	14	---	---
CB1	SB9	---	---	158
SB9	HEAD 4	22	---	---
SB9	HEAD 6	19	---	---
CB1	SB10	---	---	57
SB10	HEAD 2	51	---	---
SB10	HEAD 3	19	---	---
SB10	HEAD 5	71	---	---
TOTALS		763	522	1,468

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

TRAFFIC SIGNAL LIGHTING WIRE SUMMARY

LOCATION FROM	LOCATION TO	655.0320* CABLE TYPE UF 2-10 AWG GROUNDED LF	655.0610* ELECTRICAL WIRE LIGHTING 12 AWG LF
CB1	SB2	158	--
SB2	LUMN	--	144
SB2	SB4	185	--
SB4	LUMN	--	144
CB1	SB10	59	--
SB10	LUMN	--	144
SB10	SB7	177	--
SB7	LUMN	--	144
TOTALS		579	576

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG

FROM	TO	655.0515* LF
CB1	SB1	63
SB1	SB2	136
SB2	SB3	85
SB3	SB4	150
SB4	SB5	83
SB5	SB6	45
SB6	SB7	150
SB7	SB8	39
SB8	SB9	91
SB9	SB10	136
SB10	CB1	60
PB1	CB1	50
PB5	SB2	24
PB6	SB2	65
PB10	SB4	35
PB11	SB6	33
PB15	SB7	24
PB16	SB9	28
PB20	SB10	25
TOTAL		1,322

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

LOOP DETECTOR INSTALLATION

LOOP NO.	LOCATION* STATION	LOCATION* OFFSET	SIZE FT x FT	NO. OF TURNS	652.0800** CONDUIT LOOP DETECTOR LF	655.0700** LOOP DETECTOR LEAD IN CABLE LF	655.0800** LOOP DETECTOR WIRE LF	REMARKS/SDD INSTALLATION REFERENCE
11	222+92.8	11.1' LT	6 x 20	3	98	246	263	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
12	223+20.8	11.1' LT	6 x 20	3	98	246	263	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
21	228+87.1	24.2' LT	6 x 15	5	62	608	265	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
22	227+27.1	24.1' LT	6 x 6	5	51	433	189	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
31	49+16.2 H	6.0' RT	6 x 20	3	83	92	233	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
32	49+44.2 H	6.0' RT	6 x 20	3	83	92	233	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
41	54+10.0 H	6.7' LT	6 x 15	5	54	695	249	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
42	52+80.0 H	4.4' LT	6 x 10	5	47	549	205	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
43	51+01.8 H	6.4' LT	6 x 20	3	70	351	207	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
44	50+73.8 H	5.9' LT	6 x 20	3	69	351	205	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
51	225+08.0	6.4' LT	6 x 20	3	99	186	265	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
52	224+80.0	6.5' LT	6 x 20	3	97	186	261	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
61	219+33.3	5.9' RT	6 x 15	5	68	637	277	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
62	220+73.7	6.0' RT	6 x 10	5	58	482	227	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
71	51+02.0 H	5.6' RT	6 x 20	3	81	351	229	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
72	50+74.0 H	6.1' RT	6 x 20	3	81	351	229	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
81	45+32.6 H	17.3' RT	6 x 10	5	45	510	201	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
82	46+92.7 H	18.5' RT	6 x 6	5	36	335	159	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
83	49+16.2 H	18.0' RT	6 x 20	3	72	92	211	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
84	49+44.2 H	18.0' RT	6 x 20	3	71	92	209	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
		TOTALS			1,423	6,885	4,580	

*STATION AND OFFSET IS TO FRONT CENTER OF DETECTOR LOOP, FINAL LOCATION TO BE DETERMINED BY THE FIELD ENGINEER
** ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC SIGNAL EVP DETECTOR CABLE

FROM	TO	655.0900* LF
CB1	SB2	197
CB1	SB4	324
CB1	SB7	229
CB1	SB10	116
TOTAL		865

* ADDITIONAL QUANTITIES LISTED ELSEWHERE
** FINAL LOCATION TO BE DETERMINED BY THE DEPARTMENT

ELECTRICAL SERVICE METER BREAKER PEDESTAL

LOCATION	656.0201.02* EACH
STH 100 & 76TH STREET	1

* FINAL LOCATION TO BE DETERMINED BY THE FIELD ENGINEER

TRAFFIC SIGNAL MOUNTING HARDWARE

LOCATION	658.5070.02 EACH
STH 100 & 76TH STREET	1

STH 100 & 76TH STREET

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

TRAFFIC SIGNAL BASES, POLES, MONOTUBE ARMS, PUSH BUTTONS, AND LUMINAIRES

SIGNAL BASE NO.	657.0100* PEDESTAL BASES EACH	657.0430* TRAFFIC SIGNAL STANDARDS ALUMINUM 10-FT EACH	657.0425* TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	SPV.0060.12* TRANSPORT AND INSTALL POLES TYPE 10-SPECIAL EACH	SPV.0060.14* TRANSPORT AND INSTALL POLES TYPE 13-OVER HEIGHT EACH	SPV.0060.16 TRANSPORT AND INSTALL MONOTUBE ARMS 45-FT EACH	SPV.0060.17* TRANSPORT AND INSTALL MONOTUBE ARMS 45-FT-SPECIAL EACH	658.0500* PEDESTRIAN PUSH BUTTONS EACH	SPV.0060.19* TRANSPORT AND INSTALL LUMINAIRE ARMS STEEL 15-FT EACH	659.1125* LUMINAIRES UTILITY LED C EACH
SB1	1	--	1	--	--	--	--	--	--	--
SB2	--	--	--	1	--	--	1	--	1	1
SB3	1	--	1	--	--	--	--	--	--	--
SB4	--	--	--	--	1	1	--	--	1	1
SB5	1	1	--	--	--	--	--	1	--	--
SB6	1	--	1	--	--	--	--	--	--	--
SB7	--	--	--	1	--	--	1	--	1	1
SB8	1	1	--	--	--	--	--	1	--	--
SB9	1	--	1	--	--	--	--	--	--	--
SB10	--	--	--	--	1	1	--	--	1	1
TOTALS	6	2	4	2	2	2	2	2	4	4

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

LAMP, BALLAST, LED, SWITCH DISPOSAL BY CONTRACTOR

BASE NO.	STATION	LOCATION	659.5000.S* EACH
EXSB1	49+47.1 H	31.7' RT	2
EXSB2	49+19.4 H	31.1' LT	3
EXSB3	223+43.1	36.4' RT	2
EXSB4	223+24.2	31.1' LT	3
EXSB5	50+58.5 H	27.9' LT	2
EXSB6	50+50.8 H	39.9' RT	3
EXSB7	224+46.5	36.9' LT	2
EXSB8	224+42.6	41.0' RT	3
TOTAL			20

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC SIGNAL FACES SUMMARY

SIGNAL BASE NO.	SIGNAL HEAD NO.	658.0173* TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0174* TRAFFIC SIGNAL FACE 4S 12-INCH EACH	658.0416* PEDESTRIAN SIGNAL FACE 16-INCH EACH
SB1	11	1	--	--
SB1	19	--	1	--
SB2	17	1	--	--
SB2	18	1	--	--
SB2	20	--	1	--
SB3	1	1	--	--
SB3	9	--	1	--
SB4	7	1	--	--
SB4	8	1	--	--
SB4	10	--	1	--
SB5	21	--	--	1
SB6	14	--	1	--
SB6	16	1	--	--
SB7	12	1	--	--
SB7	13	1	--	--
SB7	15	--	1	--
SB8	22	--	--	1
SB9	4	--	1	--
SB9	6	1	--	--
SB10	2	1	--	--
SB10	3	1	--	--
SB10	5	--	1	--
TOTALS		12	8	2

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVE TRAFFIC SIGNALS

LOCATION	SPV.0060.02 EACH
STH 100 & 76TH STREET	1

UTILITY LINE OPENING (ULO)

SB NO.	SPV.0060.09* EACH
SB2	1
SB4	1
SB7	1
SB10	1
TOTAL	4

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRANSPORT AND INSTALL TRAFFIC SIGNAL CABINET AND CONTROLLER

LOCATION	SPV.0060.07 EACH
STH 100 & 76TH STREET	1

TRANSPORT AND INSTALL EMERGENCY VEHICLE PREEMPTION SYSTEM

LOCATION	SPV.0060.05 EACH
STH 100 & 76TH STREET	1

SUMMARY OF STATE FURNISHED MATERIALS - FOR INFORMATION ONLY

QUANTITY	UNIT	DESCRIPTION
1	EACH	TRAFFIC SIGNAL CONTROLLER AND CABINET
2	EACH	POLES TYPE 10-SPECIAL
2	EACH	POLES TYPE 13-OVER HEIGHT
2	EACH	MONOTUBE ARMS 45-FT
2	EACH	MONOTUBE ARMS 45-FT SPECIAL
4	EACH	LUMINAIRE ARMS STEEL 15-FT
4	EACH	EVP DETECTOR HEADS

STH 100 & 60TH STREET

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

3

REMOVING CONCRETE BASES

BASE NO.	STATION	LOCATION	204.0195* EACH
EXCB1	51+22.0 K	68.0' RT	1
EXSB1	276.89.7	81.9' LT	1
EXSB2	276+92.2	23.1' LT	1
EXSB3	277+06.7	28.9' RT	1
EXSB6	275+82.0	45.3' RT	1
EXSB9	275+58.0	81.9' LT	1
EXSB12	276+65.0	93.0' LT	1
EXSB14	275+77.5	93.2' LT	1
EXSB16	276+78.3	80.6' LT	1
	TOTAL		9

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC SIGNAL CONDUIT SUMMARY

FROM	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF
PB19	SB1	13	--
PB19	SB12	--	9
EXPB5	SB3	--	10
EXPB9	SB6	--	15
EXPB14	SB9	--	9
EXPB14	SB14	17	--
TOTALS		30	43

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

INSTALL CONDUIT INTO EXISTING ITEM

ITEM NO.	STATION	LOCATION	652.0700.S* EACH
EXPB5	277+10.9	29.9' RT	1
EXPB9	275+90.8	57.2' RT	1
EXPB14	275+63.0	82.8' LT	1
	TOTAL		3

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC SIGNAL CABLE SUMMARY

FROM	TO	655.0230* CABLE TRAFFIC SIGNAL 5-14 AWG LF	655.0260* CABLE TRAFFIC SIGNAL 12-14 AWG LF
CB1	SB1	---	135
SB1	HEAD 4	19	---
SB1	HEAD 18	22	---
SB1	HEAD 16	14	---
CB1	SB3	---	237
SB3	HEAD 2	64	---
SB3	HEAD 3	52	---
SB3	HEAD 17	14	---
SB3	HEAD 19	75	---
CB1	EXSB4	---	289
EXSB4	HEAD 7	19	---
EXSB4	HEAD 24	22	---
CB1	SB6	---	416
SB6	HEAD 12	52	---
SB6	HEAD 13	40	---
SB6	HEAD 25	70	---
CB1	EXSB7	---	377
EXSB7	HEAD 1	19	---
EXSB7	HEAD 20	22	---
CB1	SB9	---	226
SB9	HEAD 5	64	---
SB9	HEAD 6	52	---
SB9	HEAD 21	75	---
CB1	EXSB10	---	170
EXSB10	HEAD 11	19	---
EXSB10	HEAD 22	22	---
CB1	SB12	---	132
SB12	HEAD 8	50	---
SB12	HEAD 9	19	---
SB12	HEAD 15	14	---
SB12	HEAD 23	61	---
CB1	SB14	225	---
SB14	HEAD 14	14	---
TOTALS		1,119	1,982

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC SIGNAL PULL BOX SUMMARY

PULL BOX NO.	LOCATION* STATION	LOCATION* OFFSET	653.0140** PULL BOXES STEEL 24X42-INCH EACH
PB19	276+72.9	81.4' LT	1

*FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD
** ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING PULL BOXES

PULL BOX NO.	STATION	LOCATION	653.0905* EACH
EXPB19	276+72.6	81.7' LT	1

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONCRETE BASES

SB NO.	STATION	LOCATION	654.0101* CONCRETE BASES TYPE 1 EACH	654.0120* CONCRETE BASES TYPE 10-SPECIAL EACH	654.0113* CONCRETE BASES TYPE 13 EACH	654.0217* CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH
CB1	51+22.0 K	68.0' RT	--	--	--	1
SB1	276+85.5	83.3' LT	1	--	--	--
SB3	277+01.2	31.1' RT	--	--	1	--
SB6	49+29.2 K	33.3' LT	--	1	--	--
SB9	275+55.5	83.1' LT	--	--	1	--
SB12	276+70.7	90.7' LT	--	1	--	--
SB14	275+78.1	90.6' LT	1	--	--	--
	TOTALS		2	2	2	1

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC SIGNAL LIGHTING WIRE SUMMARY

LOCATION FROM	LOCATION TO	655.0320* CABLE TYPE UF 2-10 AWG GROUNDED LF	655.0610* ELECTRICAL WIRE LIGHTING 12 AWG LF
CB1	SB3	241	--
SB3	LUMN	--	144
SB3	SB6	218	--
SB6	LUMN	--	144
CB1	EXSB11	110	--
EXSB11	LUMN	--	288
EXSB11	SB9	147	--
SB9	LUMN	--	144
TOTALS		716	720

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

STH 100 & 60TH STREET

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

3

3

ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG

FROM	TO	655.0515* LF
CB1	SB1	138
SB1	SB12	43
SB12	SB3	265
SB3	EXSB4	93
EXSB4	EXSB13	34
EXSB13	SB6	161
SB6	EXSB7	117
EXSB7	SB9	190
SB9	SB14	47
SB14	EXSB10	98
EXSB10	EXSB15	37
EXSB15	CB1	167
EXPB1	CB1	62
EXPB4	SB3	96
EXPB5	SB3	28
EXPB6	EXSB4	27
EXPB8	SB6	89
EXPB9	SB6	33
EXPB10	EXSB7	34
EXPB13	SB9	97
EXPB14	SB9	27
EXPB15	EXSB10	30
EXPB24	CB1	110
EXPB17	CB1	38
TOTAL		2,061

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

LOOP DETECTOR INSTALLATION

LOOP NO.	LOCATION* STATION	LOCATION* OFFSET	SIZE FT x FT	NO. OF TURNS	655.0700** LOOP DETECTOR LEAD IN CABLE LF	655.0800** LOOP DETECTOR WIRE LF	REMARKS/SDD INSTALLATION REFERENCE
11	275+50.6	20.3' LT	6 x 20	3	287	187	USE EXISTING LOOP DETECTOR CONDUIT
12	275+78.7	20.0' LT	6 x 20	3	287	191	USE EXISTING LOOP DETECTOR CONDUIT
21	280+20.8	50.0' LT	6 x 18	4	404	251	USE EXISTING LOOP DETECTOR CONDUIT
22	278+92.3	50.0' LT	6 x 18	3	260	205	USE EXISTING LOOP DETECTOR CONDUIT
31	49+32.3 K	14.4' RT	6 x 20	3	344	201	USE EXISTING LOOP DETECTOR CONDUIT
32	49+60.2 K	15.0' RT	6 x 20	3	344	189	USE EXISTING LOOP DETECTOR CONDUIT
41	52+49.4 K	10.1' LT	6 x 19	3	307	189	USE EXISTING LOOP DETECTOR CONDUIT
42	51+21.4 K	17.8' LT	6 x 20	3	160	197	USE EXISTING LOOP DETECTOR CONDUIT
43	50+90.8 K	22.6' LT	6 x 20	3	160	195	USE EXISTING LOOP DETECTOR CONDUIT
51	277+28.0	32.7' LT	6 x 20	3	159	193	USE EXISTING LOOP DETECTOR CONDUIT
52	277+00.0	32.9' LT	6 x 20	3	159	193	USE EXISTING LOOP DETECTOR CONDUIT
61	272+29.1	2.1' LT	6 x 18	5	711	289	USE EXISTING LOOP DETECTOR CONDUIT
62	273+61.6	2.4' LT	6 x 18	4	567	229	USE EXISTING LOOP DETECTOR CONDUIT
71	51+19.9 K	5.8' LT	6 x 20	3	110	217	USE EXISTING LOOP DETECTOR CONDUIT
72	50+91.3 K	5.5' LT	6 x 20	3	110	215	USE EXISTING LOOP DETECTOR CONDUIT
81	47+82.6 K	18.4' RT	6 x 25	3	456	225	USE EXISTING LOOP DETECTOR CONDUIT
82	49+37.3 K	25.9' RT	6 x 20	3	344	215	USE EXISTING LOOP DETECTOR CONDUIT
83	49+60.6 K	26.2' RT	6 x 20	3	344	215	USE EXISTING LOOP DETECTOR CONDUIT
84	49+32.1 K	37.5' RT	6 x 20	3	280	215	USE EXISTING LOOP DETECTOR CONDUIT
85	49+62.2 K	42.8' RT	6 x 20	3	280	201	USE EXISTING LOOP DETECTOR CONDUIT
		TOTALS			6,073	4,212	

*STATION AND OFFSET IS TO FRONT CENTER OF DETECTOR LOOP, FINAL LOCATION TO BE DETERMINED BY THE FIELD ENGINEER

** ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC SIGNAL EVP DETECTOR CABLE

FROM	TO	655.0900* LF
CB1	SB12	158
CB1	SB3	271
CB1	SB6	398
CB1	SB9	245
TOTAL		1,071

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

** FINAL LOCATION TO BE DETERMINED BY THE DEPARTMENT

ELECTRICAL SERVICE METER BREAKER PEDESTAL

LOCATION	656.0201.03* EACH
STH 100 & 60TH STREET	1

* FINAL LOCATION TO BE DETERMINED BY THE FIELD ENGINEER

TRAFFIC SIGNAL BASES, POLES, MONOTUBE ARMS, PUSH BUTTONS, AND LUMINAIRES

SIGNAL BASE NO.	657.0100* PEDESTAL BASES EACH	657.0430* TRAFFIC SIGNAL STANDARDS ALUMINUM 10-FT EACH	657.0425* TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	SPV.0060.11* TRANSPORT AND INSTALL POLES TYPE 9-SPECIAL EACH	SPV.0060.12* TRANSPORT AND INSTALL POLES TYPE 10-SPECIAL EACH	SPV.0060.14* TRANSPORT AND INSTALL POLES TYPE 13-OVER HEIGHT EACH	SPV.0060.15 TRANSPORT AND INSTALL MONOTUBE ARMS 35-FT-SPECIAL EACH	SPV.0060.17* TRANSPORT AND INSTALL MONOTUBE ARMS 45-FT-SPECIAL EACH	SPV.0060.18* TRANSPORT AND INSTALL MONOTUBE ARMS 50-FT EACH	658.0500* PEDESTRIAN PUSH BUTTONS EACH	SPV.0060.19* TRANSPORT AND INSTALL LUMINAIRE ARMS STEEL 15-FT EACH	659.1125* LUMINAIRES UTILITY LED C EACH
SB1	1	--	1	--	--	--	--	--	--	1	--	--
SB3	--	--	--	--	--	1	--	--	1	1	1	1
SB4	1	--	1	--	--	--	--	--	--	--	--	--
SB6	--	--	--	--	1	--	--	1	--	--	1	1
SB7	1	--	1	--	--	--	--	--	--	--	--	--
SB9	--	--	--	--	--	1	--	--	1	--	1	1
SB10	1	--	1	--	--	--	--	--	--	--	--	--
SB12	--	--	--	1	--	--	1	--	--	1	--	--
SB14	1	1	--	--	--	--	--	--	--	1	--	--
TOTALS	5	1	4	1	1	2	1	1	2	4	3	3

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

STH 100 & 60TH STREET

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

TRAFFIC SIGNAL FACES SUMMARY

SIGNAL BASE NO.	SIGNAL HEAD NO.	658.0173* TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0174* TRAFFIC SIGNAL FACE 4S 12-INCH EACH	658.0416* PEDESTRIAN SIGNAL FACE 16-INCH EACH
SB1	4	1	--	--
SB1	16	--	--	1
SB1	18	--	1	--
SB3	2	1	--	--
SB3	3	1	--	--
SB3	17	--	--	1
SB3	19	--	1	--
SB4	24	--	1	--
SB6	12	1	--	--
SB6	13	1	--	--
SB6	25	--	1	--
SB7	20	--	1	--
SB9	5	1	--	--
SB9	6	1	--	--
SB9	21	--	1	--
SB10	22	--	1	--
SB12	8	1	--	--
SB12	9	1	--	--
SB12	15	--	--	1
SB12	23	--	1	--
SB14	14	--	--	1
EXSB4	7	1	--	--
EXSB7	1	1	--	--
EXSB10	11	1	--	--
TOTALS		12	8	4

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC SIGNAL MOUNTING HARDWARE

LOCATION	658.5070.03 EACH
STH 100 & 60TH STREET	1

LAMP, BALLAST, LED, SWITCH DISPOSAL BY CONTRACTOR

BASE NO.	STATION	LOCATION	659.5000.S* EACH
EXSB1	276.89.7	81.9' LT	2
EXSB2	276+92.2	23.1' LT	1
EXSB3	277+06.7	28.9' RT	3
EXSB5	276+33.3	47.8' RT	4
EXSB6	275+82.0	45.3' RT	2
EXSB8	275+63.2	28.9' LT	1
EXSB9	275+58.0	81.9' LT	1
EXLB9	275+39.0	81.8' LT	1
EXSB11	276+29.4	109.9' LT	1
EXSB12	276+65.0	93.0' LT	1
EXSB14	275+77.5	93.2' LT	1
EXSB16	276+78.3	80.6' LT	2
	TOTAL		20

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVE TRAFFIC SIGNALS

LOCATION	SPV.0060.03 EACH
STH 100 & 60TH STREET	1

TRANSPORT AND INSTALL EMERGENCY VEHICLE PREEMPTION SYSTEM

LOCATION	SPV.0060.06 EACH
STH 100 & 60TH STREET	1

TRANSPORT AND INSTALL TRAFFIC SIGNAL CABINET AND CONTROLLER

LOCATION	SPV.0060.08 EACH
STH 100 & 60TH STREET	1

UTILITY LINE OPENING (ULO)

SB NO.	SPV.0060.09* EACH
SB3	1
SB6	1
SB9	1
SB12	1
TOTAL	4

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

SUMMARY OF STATE FURNISHED MATERIALS - FOR INFORMATION ONLY

QUANTITY	UNIT	DESCRIPTION
1	EACH	TRAFFIC SIGNAL CONTROLLER AND CABINET
1	EACH	POLES TYPE 9-SPECIAL
1	EACH	POLES TYPE 10-SPECIAL
2	EACH	POLES TYPE 13-OVER HEIGHT
1	EACH	MONOTUBE ARMS 35-FT SPECIAL
1	EACH	MONOTUBE ARMS 45-FT SPECIAL
2	EACH	MONOTUBE ARMS 50-FT
3	EACH	LUMINAIRE ARMS STEEL 15-FT
4	EACH	EVP DETECTOR HEADS

TYPE II PERMANENT SIGNING — 2040-15-73 STH 100

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0622 POSTS WOOD 4" X 6" X 22' (EA0	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
1	R4-7(3)		36	X	48	12.000				1	1	1				
2	NOT USED															
3	D1-1	ST MARTINS RD (ARROW RIGHT)	120	X	21	17.500				1	2	2				
4	R3-20R(3)		36	X	54	13.500						1				
5	R5-1(3)		36	X	36	9.000				1	1	1				
6	R1-1(3)		36	X	36	7.460				1	1	1				
7	NOT USED															
8	R1-1(3)		36	X	36	7.460				1	1	1				
9	W3-3(3)		36	X	36		9.000			1	1	1				
10	W3-3(3)		36	X	36		9.000			1	1	1				
11	J1-1(3)		36	X	57	14.250				1	1	1				
	M2-1		30		21											
	M1-6	STH 36	36	X	36											
12	R3-7R(3)		36	X	36	9.000						1				
13	D1-65(3)	LOOMIS RD	78	X	30	16.250				1	2	2				
		NEXT SIGNAL														
14	D1-65(3)	LOOMIS RD	78	X	30	16.250						2				
		NEXT SIGNAL														
15	R3-20L(3)		36	X	54	13.500				1	1	1				
16	J2-2(3)		72	X	84	42.000				1	2	2				
	M3-3		36	X	18											
	M1-4	USH 45														
	M5-1R		30	X	30											
	M3-3		36	X	18											
	M1-6	STH 36	36	X	36											
	M5-1R		30	X	30											
17	R4-7(3)		36	X	48	12.000						1				
18	R6-2L(3)		36	X	48	12.000						1				
19	R4-7(3)		36	X	48	12.000				1	1	1				
20	W4-2R(3)		36	X	36		9.000					1				
21	R3-7R(3)		36	X	36	9.000				1	1	1				
22	D1-1(3)	BURLINGTON (ARROW RIGHT)	102	X	21	14.875				1	2	2				
23	R3-20LL(2S)		24	X	36	6.000				1	1	1				
24	R6-2R(2S)		24	X	30	5.000						1				
25	J2-2(3)		36	X	84	21.000				1	2	2				
26	J3-2(2S)		48	X	57	19.000				1						ON SIGNAL POLE UP HIGH
	M3-1		24	X	12											
	M1-6	STH 36	24	X	24											
	M6-1		21	X	21											
	M3-3		24	X	12											
	M1-6	STH 100	24	X	24											
	M6-1		21	X	21											
27	W12-1D(3)		30	X	30		6.250			1	1	1				2 FOOT HEIGHT
28	R1-1F(3)		36	X	36			7.460		1						ON SIGNAL POLE
29	R1-1F(3)		36	X	36			7.460		1						ON SIGNAL POLE
30	R5-1(3)		36	X	36	9.000										ON SIGNAL POLE

SHEET: 1 OF 10

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0622 POSTS WOOD 4" X 6" X 22' (EA0	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
31	R5-1(3)		36	X	36	9.000										ON SIGNAL POLE
32	R4-7(3)		36	X	48	12.000				1	1	1				
33	R5-1(3)		36	X	36	9.000				1						ON SIGNAL POLE
34	R1-1F(3)		36	X	36			7.460		1						ON SIGNAL POLE
35	R1-2(3)		48	X	42	7.000				1	1	1				
36	R4-7(3)		36	X	48	12.000				1	1	1				
37	J4-1(3)		36	X	54	13.500				1						ON SIGNAL POLE
	M3-3		36	X	18											
	M1-6	STH 100	36	X	36											
38	R1-1F(3)		36	X	36			7.460		1						ON SIGNAL POLE
39	R1-1F(3)		36	X	36			7.460		1						ON SIGNAL POLE
40	R6-2L(2M)		30	X	36	7.500										ON SIGNAL POLE
41	M1-94S	100 W. ST MARTINS RD (ARROW LEFT)	108	X	30	22.500				1						ON SIGNAL ARM
		45 100 W. ST MARTINS RD (ARROW RIGHT)														
42	R10-50L									1						ON SIGNAL POLE
43	W9-1R(3)		36	X	36		9.000									UP HIGH ON SIGNAL POLE
44	M1-94S	36 LOOMIS RD (ARROW LEFT)	96	X	30	20.000				1						ON SIGNAL ARM
		45 36 LOOMIS RD (ARROW RIGHT)														
45	JV3-1(2S)		24	X	81	13.500				1	1	1				
	M3-3		24	X	12											
	M1-4	USH 45	24	X	24											
	M1-6	STH 36	24	X	24											
	M6-1		21	X	21											
46	R6-2L(2M)		30	X	36	7.500										SIGNAL POLE
47	J3-1(2S)		24	X	81	13.500				1					48	
	M3-3		24	X	12											
	M1-4	USH 45	24	X	24											
	M1-6	STH 36	24	X	24											
	M6-1		21	X	21											
48	R1-1F(3)		36	X	36			7.460		1	1		1			
49	R5-1(3)		36	X	36	9.000				1						ON SIGNAL POLE
50	R10-50L									1						ON SIGNAL POLE
51	R1-1F(3)		36	X	36			7.460		1						ON SIGNAL POLE
52	R1-1F(3)		36	X	36			7.460		1						ON SIGNAL POLE
53	R5-1(3)		36	X	36	9.000				1						ON SIGNAL POLE
54	J4-1(3)		36	X	54	13.500				1						ON SIGNAL POLE
	M3-1		36	X	18											
	M1-6	STH 100	36	X	36											
55	R6-2L(2M)		30	X	36	7.500										ON SIGNAL POLE
56	R4-7(3)		36	X	48	12.000				1	1				48	
57	R4-7(3)		36	X	48	12.000				1	1	1				
58	R5-1(3)		36	X	36	9.000				1						ON SIGNAL POLE
59	R1-1(3)		36	X	36			7.460		1					56	

TYPE II PERMANENT SIGNING 2040-15-73 STH 100

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	SIGN SIZE H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0622 POSTS WOOD 4" X 6" X 22' (EA0	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
60	M1-94S	45 100 W ST. MARTINS RD (ARROW LEFT) 100 W. ST MARTINS RD (ARROW RIGHT)	108	X	30	22.500				1						MOUNT ON SIGNAL ARM
61	J3-3(3)		108	X	84	63.000				1	3	3				
	M3-1		36	X	18											
	M1-4	USH 45	36	X	36											
	M6-1		30	X	30											
	M3-1		36	X	18											
	M1-6	STH 100	36	X	36											
	M6-1		30	X	30											
	M3-1		36	X	18											
	M1-6	STH 36	36	X	36											
	M6-1		30	X	30											
62	R1-1		18	X	18	1.590						1				FOR ON TRAIL
63	R1-1F(3)		36	X	36			7.460		1						ON SIGNAL POLE
64	R1-1F(3)		36	X	36			7.460		1						ON SIGNAL POLE
65	R5-1(3)		36	X	36	9.000				1						ON SIGNAL POLE
66	R10-50L									1						ON SIGNAL POLE
67	M1-94S	45 36 LOOMIS RD (ARROW LEFT) 36 LOOMIS RD (ARROW RIGHT)	96	X	30	20.000										ON SIGNAL ARM
68	JV4-1(3)		36	X	90	22.500				1	2	2				
	M3-1		36	X	18											
	M1-4	USH 45	36	X	36											
	M1-6	STH 100	36	X	36											
69	R6-2L(2M)		30	X	36	7.500										ON SIGNAL POLE
70	NOT USED															
71	D1-2	ST MARTINS RD (ARROW LEFT)	102	X	36	25.500				1	2	2				
72	W9-1R(3)		36	X	36		9.000					1				SHEET 3
73	R2-1(3)	SPEED LIMIT 45	36	X	48	12.000				1	1	1				
74	R2-1(3)	SPEED LIMIT 45	36	X	48	12.000				1	1	1				
75	R5-1(3)		36	X	36	9.000									74	
76	R6-2R(2S)		24	X	30	5.000				1	1	1				
77	D1-61(3)	;PUETZ RD (ARROW RIGHT AND LEFT)	72	X	30	15.000						2				
78	J23-1(3)		36	X	84	21.000				1	2	2				
	MB4-5		36	X	18											
	M1-1	IH 94	36	X	36											
	MB6-1		30	X	30											
79	R59-51(3)		48	X	48	16.000				1	1	1				
80	R4-7(3)		36	X	48	12.000						1				
81	W6-2(3)		36	X	36		9.000			1	1	1				
82	W6-2(3)		36	X	36		9.000			1	1	1				
83	R5-1(3)		36	X	36	9.000				1	1	1				
84	W5-54(2M)		18	X	18		2.250								85	REMOVE W5-52 PART OF SIGN # 85
85	R4-7(3)		36	X	48	12.000				1	1	1				
86	W3-1		18	X	18		2.250					1				FOR ON TRAIL
87	W3-3(3)		36	X	36		9.000			1	1	1				
88	R5-1(3)		36	X	36	9.000						1				
89	R3-2(3)		36	X	36	9.000				1	1	1				
90	J2-3(3)		108	X	84	63.000				1	3	3				
	M3-3		36	X	18											
	M1-4	USH 45	36	X	36											
	M5-1L		30	X	30											
	M3-1		36	X	18											

TYPE II PERMANENT SIGNING 2040-15-73 STH 100

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0622 POSTS WOOD 4" X 6" X 22' (EA0	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
	M1-4	USH 45	36	X	36											
	M6-1	`	30	X	30											
	M3-1		36	X	18											
	M1-6	STH 100	36	X	36											
	M6-1		30	X	30											
91	R4-7(3)		36	X	48	12.000						1				
92	R3-20R(3)		36	X	54	13.500				1	1	1				
93	D1-65(2S)	LOOMIS RD	60	X	21	8.750				1	2	2				
		NEXT SIGNAL														
94	D1-1(2S)	BURLINGTON (ARROW LEFT)	78	X	15	8.125									93	REMOVAL PART OF # 93
95	W3-3		18	X	18		2.250					1				ALONG MULTIUSE PATH
96	R3-20LL(2S)		24	X	36	6.000				1	1	1				
97	R7-1D(2M)		24	X	30	5.000				1	1	1				
98	R5-1A(3)		42	X	30	8.750				1	1				79	
99	R1-1(3)		36	X	36	7.460				1	1	1				
100	R2-1(2S)	SPEED LIMIT 50	24	X	30	5.000				1	1	1				
101	W6-3(2S)		36	X	36		9.000			1	1	1				
102	W6-1(2S)		36	X	36		9.000			1	1	1				
103	W3-1		18	X	18		2.250					1				MOUNTED ALONG SHARED USE PATH
104	W11-15(2S)		30	X	30		6.250							1		
104A	W16-9P(2S)		24	X	12		2.000								104	
105	R1-1		18	X	18	1.590						1				MOUNTED ALONG SHARED USE PATH
106	R1-1(3)		36	X	36	7.460						1				
107	R1-1(3)		36	X	36	7.460				1	1	1				
108	W11-15(2S)		30	X	30		6.250					1				
108A	W16-7L(2S)		24	X	12		2.000								108	
109	J1-2(3)		72	X	57	28.500				1	2	2				
	M2-1		30	X	21											
	M1-4	USH 45	36	X	36											
	M2-1		30	X	21											
	M1-6	STH 36	36	X	36											
110	R2-1(3)	SPEED LIMIT 45	36	X	48	12.000				1	1	1				
111	W14-3(2S)		48	X	36		6.000			1	1	1				
112	R2-1(2S)	SPEED LIMIT 50	24	X	30	5.000				1	1	1				
113	W1-7(2S)		48	X	24		8.000					1				
114	R3-7R(3)		36	X	36	9.000						1				
115	R1-1(3)		36	X	36	7.460						1				
116	R1-1(3)		36	X	36	7.460				1	1	1				
117	W11-15(2S)		30	X	30		6.250					1				

SHEET: 4 OF 10

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	MISCELLANEOUS QUANTITIES – PERMANENT SIGNING	SHEET: 291	E

TYPE II PERMANENT SIGNING 2040-15-73 STH 100

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0622 POSTS WOOD 4" X 6" X 22' (EA0	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
117A	W16-7L(2S)		24	X	12		2.000								117	
118	W2-1		18	X	18		2.250					1				ALONG MULTIUSE PATH
119	R3-7R(3)		36	X	36	9.000						1				
120	NOT USED															
121	R1-1(3)		36	X	36	7.460				1	1	1				
122	R2-1(2S)	SPEED LIMIT 50	24	X	30	5.000				1	1	1				
123	R3-7R(3)		36	X	36	9.000						1				
124	R3-7R(3)		36	X	36	9.000						1				
125	W1-7(2S)		48	X	24		8.000					1				
126	R2-1(2S)	SPEED LIMIT 50	24	X	30	5.000				1	1	1				
127	D1-1	92ND ST (ARROW RIGHT)	66	X	15	6.875				1	2	2				
128	R4-18(2S)	DO NOT PASS ON SHOULDER	24	X	30	5.000				1	1	1				
129	R2-1(2S)	SPEED LIMIT 50	24	X	30	5.000				1	1	1				
130	R3-2R(2S)		24	X	36	6.000						1				
131	R1-1(3)		36	X	36	7.460				1	1	1				
132	W3-1 (2S)		36	X	36		9.000			1	1			1		
133	R2-1(2S)	SPEED LIMIT 50	24	X	30	5.000				1	1	1				
134	W14-3(2S)		48	X	36		6.000			1	1	1				
135	W1-7(2S)		48	X	24		8.000					1				
136	D1-1	92ND ST (ARROW LEFT)	66	X	15	6.875				1	1	1				
137	R59-51(2S)		36	X	36	9.000				1	1	1				
138	W1-2L(2S)		30	X	30		6.250			1	1	1				
139	R2-1(2S)	SPEED LIMIT 50	24	X	30	5.000				1	1	1				
140	R2-1(2S)	SPEED LIMIT 50	24	X	30	5.000				1	1	1				
141	W1-6(2S)		48	X	24		8.000					1				
142	R7-1D(2M)		24	X	30	5.000				1	1	1				
143	J1-1(2S)		24	X	39	6.500				1	1	1				
	M2-1		21	X	15											
	M1-5A	CTH H	24	X	24											
144	R2-1(2S)	SPEED LIMIT 50	24	X	30	5.000				1	1	1				
145	R3-20R(2S)		24	X	36	6.000						1				
146	J13-1(2S)		24	X	45	7.500				1	1	1				
	M1-5A	CTH H	24	X	24											
	M6-1		21	X	21											
147	J4-1(2S)		24	X	36	6.000			1	1	1			1		MOVE WEIGHT LIMIT SIGN
	M3-4		24	X	12											

SHEET: 5 OF 10

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0622 POSTS WOOD 4" X 6" X 22' (EA0	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
	M1-5A	CTH H	24	x	24											
148	W1-6(2S)		48	x	24		8.000			1	1			1		
149	W12-1D(2S)		24	x	24		4.000					1				2 FOOT MOUNTING HEIGHT
150	R1-1(3)		36	x	36	7.460				1	1	1				
151	R1-1(3)		36	x	36	7.460				1	1	1				
152	R5-1(2S)		30	x	30	6.250				1	1	1				DO NOT PUT ON BACK OF STOP SIGN
153	W1-6(2S)		48	x	24		8.000			1	1	1				
154	W1-7(2S)		48	x	24		8.000					1				
155	J13-1(2S)		24	x	45	7.500				1	1	1				
	M1-5A	CTH H	24	x	24											
	M6-1		21	x	21											
156	J4-1(2S)		24	x	36	6.000						1				
	M3-4		24	x	12											
	M1-6	STH 100	24	x	24											
157	R7-1D(2M)		24	x	30	5.000						1				
158	I55-56								1		1	1				
158A	I55-56P								1						158	
159	W1-6(2S)		48	x	24		8.000								145	
160	I55-56	ADOPT A HIGHWAY							1		1	1				INCLUDES MOVING THE STEELE SOLUTIONS PLAQUE
161	R2-1(2S)	SPEED LIMIT 50	24	x	30	5.000				1	1	1				
162	J4-1(2S)		24	x	36	6.000				1		1				
	M3-2		24	x	12											
	M1-6	STH 100	24	x	24											
163	J33-2(2S)		48	x	69	23.000						2				
	MB4-1		24	x	12											
	MB3-3		24	x	12											
	M1-1	IH 41	24	x	24											
	MB6-1		21	x	21											
	MB4-1		24	x	12											
	MB3-2		24	x	12											
	M1-1	IH 94	24	x	24											
	MB6-1		21	x	21											
164	R12-1								1		1	1				PERMIT SIGN. MOVE THE W6-2 SIGN WITH IT
165	W11-15(2S)		30	x	30		6.250					1				
165A	W16-9P(2S)		24	x	12		2.000								165	
166	R3-20R(2S)		24	x	36	6.000						1				
167	J1-1(2S)		24	x	39	6.500				1	1	1				
	M2-1		24	x	15											
	M1-5A	CTH H														
168	R2-1(2S)	SPEED LIMIT 50	24	x	30	5.000				1	1	1				
169	R4-7(2S)		24	x	30	5.000						1				
170	W11-15(2S)		30	x	30		6.250					1				
170A	W16-7L(2S)		24	x	12		2.000								170	
171	R1-1(3)		36	x	36	7.460				1	1	1				
172	J1-1(2S)		24	x	39	6.500						1				
	M2-1		24	x	15											
	M1-5A	CTH U	24	x	24											
173	W1-6(2S)		24	x	48		8.000					1				
174	R6-2L(2S)		24	x	30	5.000						1				
175	W11-15(2S)		30	x	30		6.250					1				
175A	W16-7L(2S)		24	x	12		2.000								175	
176	W11-15(2S)		30	x	30		6.250					1				
176A	W16-7R(2S)		24	x	12		2.000								176	
177	W11-15(2S)		30	x	30		6.250								176	MOUNT ON BACK

TYPE II PERMANENT SIGNING 2040-15-73 STH 100

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0622 POSTS WOOD 4" X 6" X 22' (EA0	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
177A	W16-7R(2S)		24	x	12		2.000								177	
178	R5-1(2S)		30	x	30	6.250						1				
179	W1-2R(2S)		30	x	30		6.250			1	1	1				
180	R5-1(2S)		30	x	30	6.250									170	
181	W3-3(2S)		36	x	36		9.000			1	1	1				
182	R3-9B(2S)		24	x	36	6.000						1				
182A	R3-9C(2S)		24	x	6	1.000									182	
183	D1-65(2S)	76TH ST NEXT SIGNAL	54	x	21	7.875				1	2	2				
184	J1-1									1						REMOVAL OF POST IS PART OF SIGN # 183
185	R3-8LAR(2S)		54	x	30	11.250						2				
186	R1-1								1							PRIVATE PROPERTY SIGN. DO NOT REPLACE
187	R3-9B(2S)		24	x	36	6.000						1				
187A	R3-9D(2S)		24	x	6	1.000									187	
188	R3-9B(2S)		24	x	36	6.000						1				
188A	R3-9C(2S)		24	x	6	1.000									188	
189	W11-15(2S)		30	x	30		6.250					1				
189A	W16-9P(2S)		24	x	12		2.000								189	
190	R3-9B(2S)		24	x	36	6.000						1				
190A	R3-9D(2S)		24	x	6	1.000									190	
191	J33-2(2S)		48	x	69	23.000						2				
	MB4-1		24	x	12											
	MB3-1		24	x	12											
	M1-1	IH 41	24	x	24											
	MB6-1		21	x	21											
	MB4-1		24	x	12											
	MB3-4		24	x	12											
	M1-1	IH 94	24	x	24											
	MB6-1		21	x	21											
192	J13-1(2S)		24	x	45	7.500				1	1	1				
	M1-5A	CTH U	24	x	24											
	M6-4		21	x	21											
193	R1-1F(3)		36	x	36			7.460		1						MOUNT ON SIGNAL POLE
194	R1-1F(3)		36	x	36			7.460		1						MOUNT ON SIGNAL POLE
195	J13-1(2S)		24	x	45	7.500						1				
	M1-6	STH 100	24	x	24											
	M6-4		21	x	21											
196	M1-94S	U - S. 76TH ST	84	x	18	10.500				1						MOUNT ON SIGNAL ARM
197	M1-94S	U - S. 76TH ST	84	x	18	10.500				1						MOUNT ON SIGNAL ARM
198	W11-15(2S)		30	x	30		6.250									MOUNT ON SIGNAL ARM
198A	W16-5pL(2S)	ARROW LEFT	24	x	18		3.000								198	MOUNT ON SIGNAL ARM
199	M1-94S	100 - RYAN RD	78	x	18	9.750				1						MOUNT ON SIGNAL ARM
200	M1-94S	100- RYAN RD	78	x	18	9.750				1						MOUNT ON SIGNAL ARM
201	J13-1(2S)		24	x	45	7.500				1	1	1				
	M1-5A	CTH U	24	x	24											
	M6-4		21	x	21											
202	R1-1F(3)		36	x	36			7.460		1						MOUNT ON SIGNAL POLE
203	R1-1F(3)		36	x	36			7.460		1						MOUNT ON SIGNAL POLE
204	J13-1(2S)		24	x	45	7.500						1				
	M1-6	STH 100	24	x	24											
	M6-4		21	x	21											
205	R2-1(2S)	SPEED LIMIT 50	24	x	30	5.000				1	1	1				
206	W3-3		18	x	18		2.250					1				MOUNT ALONG TRAIL
207	J4-1(2S)		24	x	36	6.000						1				
	M3-4		24	x	12											
	M1-6	STH 100	24	x	24											
208	R7-1D(2M)		24	x	30	5.000						1				

TYPE II PERMANENT SIGNING 2040-15-73 STH 100

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0622 POSTS WOOD 4" X 6" X 22' (EA0	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
209	R2-1(2S)	SPEED LIMIT 50	24	X	30	5.000				1	1	1				
210	J4-1(2S)		24	X	36	6.000						1				
	M3-2		24	X	12											
	M1-6	STH 100	24	X	24											
211	J33-2(2S)		48	X	69	23.000						2				
	MB4-1		24	X	12											
	M3-3		24	X	12											
	M1-1	IH 41	24	X	24											
	MB6-1		21	X	21											
	MB4-1		24	X	12											
	MB3-2		24	X	12											
	M1-1	IH 94	24	X	24											
	MB6-1		21	X	21											
212	W3-3		18	X	18		2.250					1				ON TRAIL
213	W11-15(2S)		30	X	30		6.250					1				
213A	W16-5pL	ARROW RIGHT	24	X	18		3.000								213	
214	R3-8LAR(2S)		54	X	30	11.250						1				
215	R2-1(2S)	SPEED LIMIT 50	24	X	30	5.000						1				
216	R7-1D(2M)		24	X	30	5.000									215	
217	W14-3									1	1					
218	D1-65(2S)	76TH ST	54	X	21	7.875				1	2	2				
		NEXT SIGNAL														
219	J1-1(2S)		24	X	39	6.500				1	1	1				
	M2-1		21	X	15											
	M1-5A	CTH U	24	X	24											
220	W3-3(2S)		36	X	36		9.000			1	1	1				
221	W14-3(2S)		48	X	36		6.000					1				
222	W14-3(2S)		48	X	36		6.000			1	1	1				
223	R2-1(2S)	SPEED LIMIT 50	24	X	30	5.000				1	1	1				
224	W2-1		18	X	18		2.250					1				TRAIL SIGN
225	W1-7(2S)		48	X	24		8.000			1	1	1				
226	R7-1D(2M)		24	X	30	5.000				1	1	1				
227	W6-1(2S)		36	X	36		9.000			1	1	1				
228	W2-1		18	X	18		2.250					1				ON TRAIL
229	R7-1D(2M)		24	X	30	5.000				1	1	1				
230	R1-1(3)		36	X	36	7.460				1	1	1				
231	W11-15(2S)		30	X	30		6.250							1		
231A	W16-9P(2S)		24	X	12		2.000								231	
232	J13-1(2S)		24	X	45	7.500				1	1	1				
	M1-6	STH 100	24	X	24											
	M6-4		21	X	21											
233	W11-15(2S)		30	X	30		6.250					1				
233A	W16-7L(2S)		24	X	12		2.000								233	
234	R7-1D(2M)		24	X	30	5.000				1	1	1				
235	R2-1(3)	SPEED LIMIT 45	36	X	48	12.000				1	1	1				
236	R2-1(2S)	SPEED LIMIT 50	24	X	30	5.000				1	1	1				

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0622 POSTS WOOD 4" X 6" X 22' (EA0	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
237	R7-1D(2M)		24	X	30	5.000				1	1	1				
238	R7-1D(2M)		24	X	30	5.000						1				
239	I3-1	ROOT RIVER	36	X	24	6.000				1	1	1				
240	W5-52R(2S)		12	X	36		3.000								239	
241	R4-7(2S)		24	X	30	5.000						1				
241A	W5-54(2M)		18	X	18		2.250								241	
242	W5-52R									1	1					
243	R5-1A(3)		42	X	30	8.750				1	1	1				
244	R7-1D(2M)		24	X	30	5.000				1	1	1				
245	R7-1D(2M)		24	X	30	5.000				1	1	1				
246	W3-3(2S)		36	X	36		9.000			1	1	1				
247	D1-65	60TH ST, NEXT SIGNAL	72	X	30	15.000				1	2	2				
248	D1-65	60TH ST, NEXT SIGNAL	72	X	30	15.000						2				
249	R7-1D(2M)		24	X	30	5.000				1	1	1				
250	NOT USED															
251	W6-2(2S)		36	X	36		9.000			1	1	1				
252	I3-1	ROOT RIVER	36	X	24	6.000				1	1	1				
253	W5-52R(2S)		12	X	36		3.000			1						POST IS PART OF # 252. 4 FOOT MOUNTING HEIGHT
254	R3-8LAAR(2S)		72	X	30	15.000						2				
255	R1-1F(3)		36	X	36			7.460		1						SIGNAL POLE
256	J13-1(2S)		24	X	39	6.500			1	1		1				MOVE R4-7
	M1-6	STH 100	24	X	24											
	M6-4															
257	R5-1(3)		36	X	36	9.000				1						SIGNAL POLE
258	M1-94S	100 - RYAN RD	78	X	18	9.750										SIGNAL ARM
259	M1-94S	100- RYAN RD	78	X	18	9.750										SIGNAL ARM
260	R1-1F(3)		36	X	36			7.460		1						SIGNAL POLE
261	R6-3(2S)		30	X	24	5.000						1				
262	R5-1(3)		36	X	36	9.000										SIGNAL POLE FACING NORTH
263	R6-2L(3)		36	X	48	12.000				1						SIGNAL POLE
264	R6-2L(2M)		30	X	36	7.500				1						SIGNAL POLE
265	R5-1(3)		36	X	36	9.000				1						SIGNAL POLE
266	R1-1F(3)		36	X	36			7.460		1						SIGNAL POLE

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0622 POSTS WOOD 4" X 6" X 22' (EA0	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
267	R1-1F(3)		36	X	36			7.460		1						SIGNAL POLE
268	R4-7(3)		36	X	48	12.000				1	1	1				
269	R1-1F(3)		36	X	36			7.460		1						SIGNAL POLE
270	NOT USED															
271	R6-3(2S)		30	X	24	5.000									272	
272	J13-1(2S)		24	X	45	7.500				1	1	1				
	M1-6	STH 100	24	X	24											
	M6-4		21	X	21											
273	M1-94H	S. 60TH ST	66	X	18	8.250										SIGNAL ARM
274	M1-94H	S. 60TH ST	66	X	18	8.250										SIGNAL ARM
275	J4-1(2S)		24	X	36	6.000				1	1	1				
	M3-4		24	X	12											
	M1-6	STH 100	24	X	24											
276	NOT USED															
277	R6-2L(3)		36	X	48	12.000				1						SIGNAL POLE
278	R6-2L(2M)		30	X	36	7.500										SIGNAL POLE
279	R5-1(3)		36	X	36	9.000										SIGNAL POLE
280	J4-1(2S)		24	X	36	6.000				1	1	1				
	M3-2		24	X	12											
	M1-6	STH 100	24	X	24											
281	R3-8LAAR(2S)		72	X	30	15.000						2				
282	W12-1D(2M)		24	x	24		4.000			1	1	1				2 FOOT MOUNTING HEIGHT
283	R1-1(3)		36	X	36	7.460				1	1	1				
284	R3-20LL(3)		36	X	54	13.500				1	2	2				
285	R3-8LF(2S)		36	X	30	7.500						1				
286	J4-1(2S)		24	X	36	6.000				1	1	1				
	M3-1		24	X	12											
	M1-5A	CTH U	24	X	24											
287	R3-8LF(2S)		36	X	30	7.500						1				
288	NONE	DIVIDED HIGHWAY NOW OPEN								1	1					
289	W3-3(2S)		36	X	36		9.000							1		
290	R4-7(2S)		24	X	30	5.000						1				
291	R3-8LF(2S)		36	X	30	7.500								2		
292	W3-3(2S)		36	X	36		9.000							1		
293	W2-1		18	X	18		2.250					1				MOUNT ALONG MULTIUSE PATH SHEET 9
294	W3-3(2S)		36	X	36		9.000			1						LIGHT POLE
295	R1-1F(3)		36	X	36			7.460		1					36	SHEET 4
296	J3-1(2S)		24	X	57	9.500				1					59	SHEET 4
	M3-3		24	X	12											
	M1-6	STH 100	24	X	24											
	M6-1		21	X	21											
297	R1-1		18	X	18	1.590						1				MOUNT ALONG THE TRAIL. SHEET 6
298	R4-7(2S)		24	X	30	5.000						1				SHEET 20
299	R9-3A		18	X	18	2.250								1		STHEET 40. ALSO, SEE DETAIL FOR MOUNTING
299A	R9-3BR		18	X	12	1.500									299	
UNDISTRIBUTED													3			
TOTALS						1944.710	441.750	156.660	7	176	148	231	4	10	--	--

CONVENTIONAL SYMBOLS

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

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED) IP
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN
OFF-PREMISE SIGN

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE	■	□
TELEPHONE POLE	●	○
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)	◙	◎

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

CONVENTIONAL UTILITY SYMBOLS

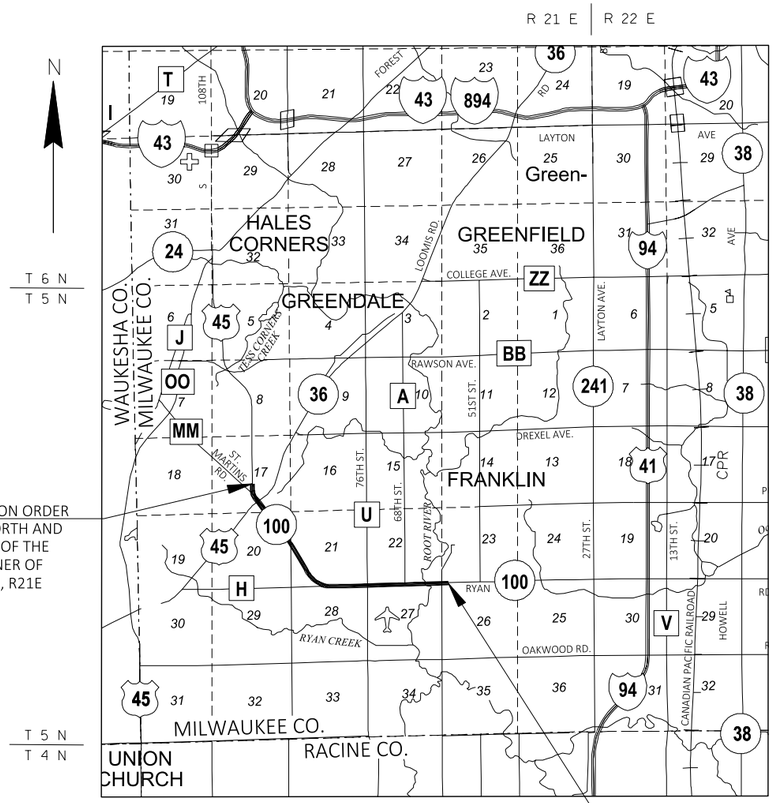
WATER	W
GAS	G
TELEPHONE	T
OVERHEAD TRANSMISSION LINES	OH
ELECTRIC	E
CABLE TELEVISION	TV
FIBER OPTIC	FO
SANITARY SEWER	SAN
STORM SEWER	SS
ELECTRIC TOWER	

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



LAYOUT
SCALE 0 1 MI.

TOTAL NET LENGTH OF CENTERLINE = 3.14 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
2040-15-23/24		
FEDERAL PROJECT NUMBER	4.01	

PLAT OF RIGHT OF WAY REQUIRED FOR

C FRANKLIN, RYAN RD/ST MARTINS RD 60TH STREET TO ST. MARTINS ROAD

STH 100	MILWAUKEE COUNTY

CONSTRUCTION PROJECT NUMBER
2040-15-73

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 TPP DETAIL PAGES.

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

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
12/13/22 (DATE)
(SIGNATURE)

REVISION DATE
2/1/23
4/30/24

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED FOR THE DEPARTMENT
DATE: 12/14/22 (Signatur

R-21-E

T-5-N

CITY OF FRANKLIN

17 16 15 22 21 20 29 28 27

ST. MARTINS RD.

BEGIN RELOCATION ORDER

END RELOCATION ORDER

76TH ST.

68TH ST.

ROOT RIVER

RYAN RD

GN

4 4

H U

45 100

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 30 31 32 101 102 103 104

REVISION DATE 2/1/23 4/30/24	DATE 12/13/22	SCALE, FEET 0 50 100	HWY: STH 100	STATE R/W PROJECT NUMBER 2040-15-23/24	PLAT SHEET 4.02
	GRID FACTOR N/A		COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 2040-15-73	PS&E SHEET 299 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\RW\DWG\040101_RP_TRADITIONAL.DWG
LAYOUT NAME - 4.02

PLOT DATE : 4/30/2024 2:46 PM 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	PROJECT ID	OWNERS	INTERESTS REQUIRED	R/W S.F REQUIRED NEW	EXISTING	TOTAL	HE	TLE S.F.
1	2040-15-24	ELIMINATED	~~FEE,TLE~~	~~1533~~	---	~~1533~~	---	~~2126~~
2	2040-15-24	ELIMINATED	~~FEE,TLE~~	~~261~~	---	~~261~~	---	~~730~~
3	2040-15-24	ELIMINATED	~~TLE~~	---	---	---	---	~~996~~
4	2040-15-24	ELIMINATED	~~HE,TLE~~	---	---	---	90	~~1421~~
30	2040-15-24	ST. MARTINS PLACE LLC	TLE	---	---	---	---	777
31	2040-15-24	KAMBOURIS INVESTMENTS LLC	TLE	---	---	---	---	1045
32	2040-15-24	LOOMIS TRIANGLE LLC	TLE	---	---	---	---	2450

UTILITY INTERESTS REQUIRED

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

COURSE TABLE		
COURSE	BEARING	DISTANCE
100 - 101	N83° 50' 34"E	2.77'
101 - 102	N83° 50' 34"E	70.10'
~~102 - 103~~	~~SEE CURVE 1 DATA~~	
~~103 - 104~~	~~N86° 36' 23"E~~	~~3.99'~~
~~104 - 105~~	~~SEE CURVE 2 DATA~~	
~~105 - 106~~	~~S27° 56' 04"E~~	~~69.67'~~
~~106 - 107~~	~~SEE CURVE 3 DATA~~	
~~107 - 108~~	~~S34° 39' 47"E~~	~~211.17'~~
~~108 - 109~~	~~S54° 03' 21"E~~	~~23.89'~~
~~109 - 110~~	~~S54° 35' 51"W~~	~~7.93'~~
110 - 111	S51° 58' 18"W	70.19'
111 - 112	S51° 58' 18"W	98.45'
112 - 113	N24° 39' 47"W	163.23'
113 - 114	N34° 39' 47"W	82.95'
114 - 115	SEE CURVE 4 DATA	
115 - 116	SEE CURVE 5 DATA	
116 - 117	N17° 44' 17"W	272.84'
117 - 100	N83° 50' 34"E	100.79'
115 - 100	N01°01'37"E	304.69'
104 - 150	SEE CURVE 2-1 DATA	
150 - 151	S54° 35' 51"W	3.94'
151 - 103	SEE CURVE EX-1 DATA	
150 - 105	SEE CURVE 2-2 DATA	
105 - 106	S27° 56' 04"E	69.67'
106 - 151	SEE CURVE EX-2 DATA	
110 - 108	N34° 39' 47"W	22.63'
~~102 - TLE100~~	~~N86° 36' 23"E~~	~~8.97'~~
~~TLE100 - TLE150~~	~~SEE CURVE TLE1 DATA~~	
~~TLE150 - 150~~	~~S54° 35' 51"W~~	~~5.40'~~
~~TLE150 - TLE101~~	~~SEE CURVE TLE2 DATA~~	
~~TLE101 - TLE151~~	~~S31° 56' 40"E~~	~~75.20'~~
~~TLE151 - TLE152~~	~~S54° 35' 51"W~~	~~9.98'~~
~~TLE152 - 106~~	~~SEE CURVE TLE3 DATA~~	
~~TLE151 - TLE102~~	~~S31° 56' 40"E~~	~~2.98'~~
~~TLE102 - TLE153~~	~~S34° 39' 08"E~~	~~97.03'~~
~~TLE153 - TLE154~~	~~S54° 35' 51"W~~	~~9.95'~~
~~TLE154 - 107~~	~~N34° 39' 47"W~~	~~84.47'~~
~~107 - TLE152~~	~~SEE CURVE EX-3 DATA~~	
~~TLE153 - TLE103~~	~~S34° 39' 08"E~~	~~126.83'~~
~~TLE103 - TLE104~~	~~S40° 47' 03"E~~	~~22.60'~~
~~TLE104 - 109~~	~~S54° 35' 51"W~~	~~4.41'~~
~~108 - TLE154~~	~~N34° 39' 47"W~~	~~126.70'~~

COURSE TABLE		
COURSE	BEARING	DISTANCE
116 - 115	S18° 53' 46"E	35.90'
115 - TLE182	SEE CURVE EX-7 DATA	
TLE182 - TLE176	S51° 36' 23"W	9.25'
TLE176 - TLE175	N19° 53' 22"W	144.46'
TLE175 - 116	S46° 31' 50"E	11.54'
TLE182 - TLE181	SEE CURVE EX-6 DATA	
TLE181 - TLE177	S55° 31' 31"W	10.69'
TLE177 - TLE176	N27° 28' 54"W	119.50'
TLE176 - TLE182	N51° 36' 23"E	9.25'
TLE181 - 114	SEE CURVE EX-5 DATA	
114 - 113	S34° 39' 47"E	82.95'
113 - 112	S24° 39' 47"E	163.23'
112 - TLE180	SEE CURVE EX-4 DATA	
TLE180 - TLE179	N05° 54' 02"W	27.36'
TLE179 - TLE178	N24° 39' 47"W	140.82'
TLE178 - TLE177	N34° 39' 47"W	159.50'
TLE177 - TLE181	N55° 31' 31"E	10.69'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
100	109+78.49	2.77'
101	109+78.35	0.00'
102	109+74.57	-70.01'
~~103~~	~~109+79.95~~	~~-74.01'~~
~~104~~	~~109+79.95~~	~~-74.00'~~
~~105~~	~~114+25.00~~	~~-74.00'~~
~~106~~	~~115+00.00~~	~~-70.12'~~
~~107~~	~~115+23.80~~	~~-70.12'~~
~~108~~	~~117+35.00~~	~~-70.07'~~
~~109~~	~~117+57.53~~	~~-78.00'~~
110	117+57.63	-70.07'
111	117+61.74	0.00'
112	117+67.49	98.28'
113	116+06.75	69.90'
114	115+23.83	69.88'
115	112+66.37	69.93'
116	112+32.83	69.94'
117	109+83.04	103.45'
~~150~~	~~113+98.49~~	~~74.00'~~
~~151~~	~~113+99.08~~	~~-70.10'~~

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
~~TLE100~~	~~109+74.52~~	~~78.98'~~
~~TLE101~~	~~114+25.00~~	~~79.28'~~
~~TLE102~~	~~115+10.00~~	~~80.00'~~
~~TLE103~~	~~117+35.00~~	~~80.00'~~
~~TLE104~~	~~117+57.48~~	~~82.40'~~
~~TLE150~~	~~113+97.68~~	~~79.34'~~
~~TLE151~~	~~115+06.76~~	~~80.09'~~
~~TLE152~~	~~115+07.08~~	~~70.12'~~
~~TLE153~~	~~116+08.17~~	~~80.05'~~
~~TLE154~~	~~116+08.30~~	~~70.10'~~
TLE175	112+23.41	75.51'
TLE176	113+57.55	78.91'
TLE177	114+68.24	80.56'
TLE178	116+23.24	78.90'
TLE179	117+61.91	103.38'
TLE180	117+85.89	116.55'
TLE181	114+67.71	69.89'
TLE182	113+55.56	69.91'

CURVE 1
(102-103)
R = 926.45'
L = 5.00'
LCH = 5.00'
LCB = S03° 14' 21"E

CURVE 2
(104-105)
R = 922.45'
L = 412.00'
LCH = 408.58'
LCB = S16° 10' 30"E

CURVE 3
(106-107)
R = 926.45'
L = 22.13'
LCH = 22.13'
LCB = S33° 58' 43"E

CURVE 4
(114-115)
R = 1066.45'
L = 275.52'
LCH = 274.75'
LCB = N27° 15' 42"W

CURVE 5
(115-116)
R = 1066.45'
L = 35.90'
LCH = 35.90'
LCB = N18° 53' 46"W

CURVE EX-1
(151-103)
R = 926.45'
L = 389.67'
LCH = 386.80'
LCB = N15° 26' 35"W

CURVE EX-2
(106-151)
R = 926.45'
L = 99.82'
LCH = 93.78'
LCB = N30° 23' 36"W

CURVE EX-3
(107-TLE152)
R = 926.45'
L = 15.54'
LCH = 15.54'
LCB = N34° 10' 56"W

CURVE EX-4
(112-TLE180)
R = 33.66'
L = 26.62'
LCH = 25.93'
LCB = N10° 08' 23"E

CURVE EX-5
(TLE181-114)
R = 1066.45'
L = 60.05'
LCH = 60.05'
LCB = S33° 02' 59"E

CURVE EX-6
(TLE182-TLE181)
R = 1066.45'
L = 120.02'
LCH = 119.95'
LCB = S28° 12' 45"E

CURVE EX-7
(115-TLE182)
R = 1066.45'
L = 95.45'
LCH = 95.41'
LCB = S22° 25' 28"E

CURVE 2-1
(104-150)
R = 922.45'
L = 387.46'
LCH = 384.62'
LCB = S15° 24' 47"E

CURVE 2-2
(150-105)
R = 922.45'
L = 24.54'
LCH = 24.54'
LCB = S28° 12' 23"E

CURVE TLE1
(TLE100-TLE150)
R = 932.16'
L = 389.45'
LCH = 386.63'
LCB = S15° 17' 11"E

CURVE TLE2
(TLE150-TLE101)
R = 932.16'
L = 25.14'
LCH = 25.14'
LCB = S28° 01' 42"E

CURVE TLE3
(TLE152-106)
R = 926.45'
L = 6.58'
LCH = 6.58'
LCB = N33° 29' 53"W

(200) WE ENERGIES-ELECTRIC (MILWAUKEE ELECTRIC RAILWAY AND LIGHT COMPANY) BLANKET EASEMENT SOUTH 1/2 SECT 17 DOC. 1511199 PARCELS ~~1, 2, 3, 4,~~ 30, 31, & 32

(200) WE ENERGIES-ELECTRIC (MILWAUKEE ELECTRIC RAILWAY AND LIGHT COMPANY) BLANKET EASEMENT SW-SE SECT 17 DOC. 1511201 PARCELS ~~1, 2, 3, 4,~~ 30, 31, & 32

(200) WE ENERGIES-ELECTRIC (MILWAUKEE ELECTRIC RAILWAY AND LIGHT COMPANY) BLANKET EASEMENT SW1/4 SECT 17 DOC. 2097388 PARCEL 30

(200) WE ENERGIES-ELECTRIC (WEPCO) BLANKET EASEMENT ENTIRE LOT IN SW1/4 SECT 17 DOC. 3076753 PARCEL 30

(200) WE ENERGIES-ELECTRIC (WEPCO) BLANKET EASEMENT SW1/4 SECT 17 DOC. 2428707 PARCEL 30

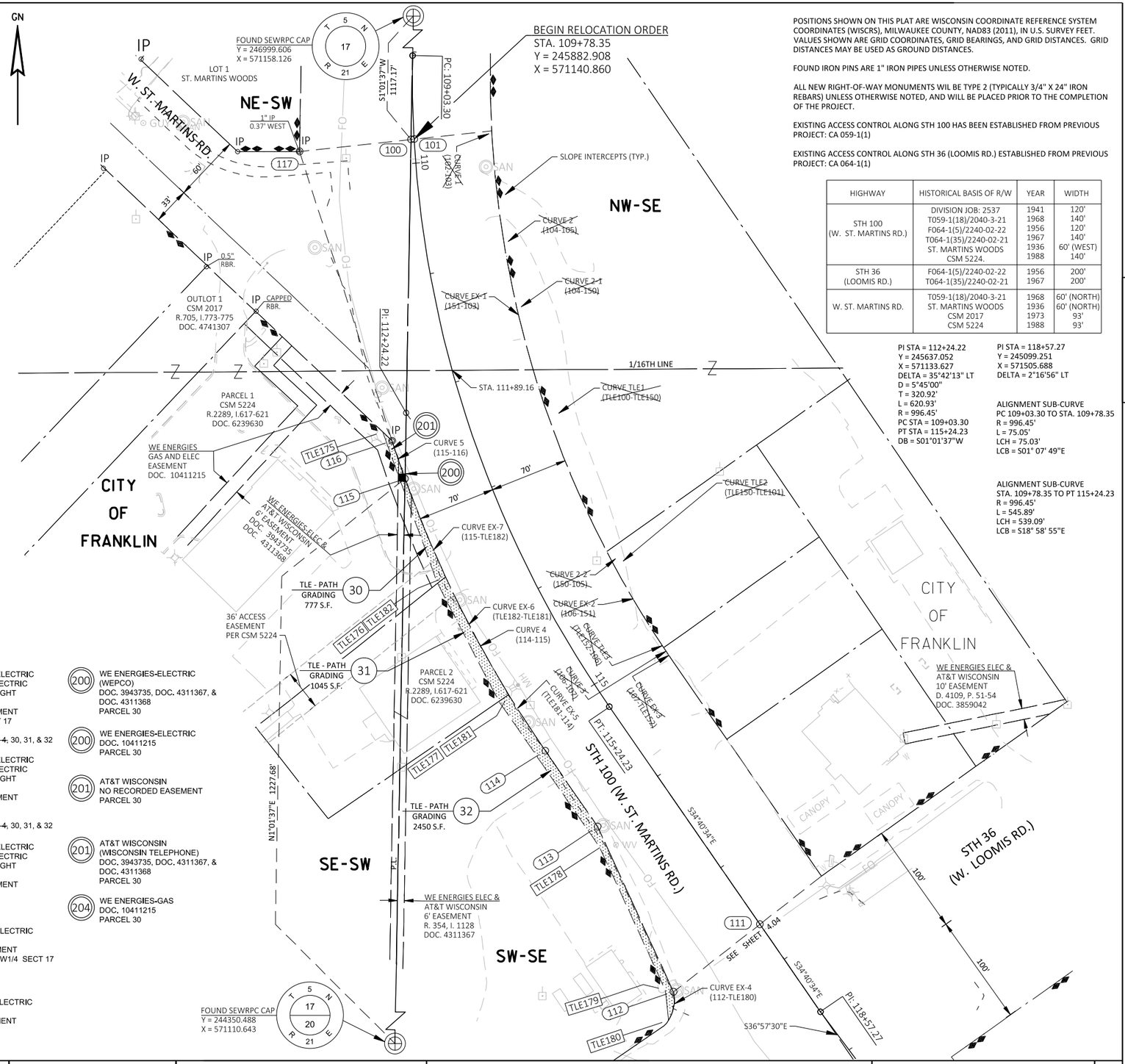
(200) WE ENERGIES-ELECTRIC (WEPCO) DOC. 3943735, DOC. 4311367, & DOC. 4311368 PARCEL 30

(200) WE ENERGIES-ELECTRIC DOC. 10411215 PARCEL 30

(201) AT&T WISCONSIN NO RECORDED EASEMENT PARCEL 30

(201) AT&T WISCONSIN (WISCONSIN TELEPHONE) DOC. 3943735, DOC. 4311367, & DOC. 4311368 PARCEL 30

(204) WE ENERGIES-GAS DOC. 10411215 PARCEL 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.

FOUND IRON PINS ARE 1" IRON PIPES UNLESS OTHERWISE NOTED.

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.

EXISTING ACCESS CONTROL ALONG STH 100 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT: CA 059-1(1)

EXISTING ACCESS CONTROL ALONG STH 36 (LOOMIS RD.) ESTABLISHED FROM PREVIOUS PROJECT: CA 064-1(1)

HIGHWAY	HISTORICAL BASIS OF R/W	YEAR	WIDTH
STH 100 (W. ST. MARTINS RD.)	DIVISION JOB: 2537 T059-1(18)/2040-3-21 F064-1(5)/2240-02-22 T064-1(35)/2240-02-21 ST. MARTINS WOODS CSM 5224.	1941 1968 1956 1967 1936 1988	120' 140' 120' 140' 60' (WEST) 140'
STH 36 (LOOMIS RD.)	F064-1(5)/2240-02-22 T064-1(35)/2240-02-21	1956 1967	200' 200'
W. ST. MARTINS RD.	T059-1(18)/2040-3-21 ST. MARTINS WOODS CSM 2017 CSM 5224	1968 1936 1973 1988	60' (NORTH) 60' (NORTH) 93' 93'

PI STA = 112+24.22
Y = 245637.052
X = 571133.627
DELTA = 35°42'13" LT
D = 5°45'00"
T = 320.92'
L = 620.93'
R = 996.45'
PC STA = 109+03.30
PT STA = 115+24.23
DB = S01°01'37"W

PI STA = 118+57.27
Y = 245099.251
X = 571505.688
DELTA = 2°16'56" LT

ALIGNMENT SUB-CURVE
PC 109+03.30 TO STA. 109+78.35
R = 996.45'
L = 75.05'
LCH = 75.03'
LCB = S01° 07' 49"E

ALIGNMENT SUB-CURVE
STA. 109+78.35 TO PT 115+24.23
R = 996.45'
L = 545.89'
LCH = 539.09'
LCB = S18° 58' 55"E

REVISION DATE 2/1/23, 4/30/24	DATE 12/13/22	SCALE, FEET 0 50 100	HWY: STH 100	STATE R/W PROJECT NUMBER 2040-15-23/24	PLAT SHEET 4.03
	GRID FACTOR N/A		COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 2040-15-73	PS&E SHEET 300 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\RW\DWG\040101_RP_TRADITIONAL.DWG
LAYOUT NAME - 4.03
PLOT DATE : 4/30/2024 2:46 PM PLOT BY : BARTELT, HEATHER PLOT NAME : PLOT SCALE : 1 IN:50 FT
STH 100 2040-15-23/24-4.03

4

4

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	PROJECT ID	OWNERS	INTERESTS REQUIRED	R/W S.F REQUIRED NEW	EXISTING	TOTAL	TLE S.F.
5	2040-15-24	CROSSROADS AT FRANKLIN LLC	FEE,TLE	786	---	786	6791
104	2040-15-23	9909 FRANKLIN WI, LLC	TLE	---	---	---	66

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTERESTS REQUIRED
200	WE ENERGIES-ELECTRIC	RELEASE OF RIGHTS
206	CITY OF FRANKLIN-WATER	RELEASE OF RIGHTS

PI STA = 118+57.27
Y = 245099.251
X = 571505.688
DELTA = 2°16'56" LT

PI STA = 155+39.44
Y = 242156.927
X = 573719.529
DELTA = 7°59'59" RT
D = 0°40'00"
T = 600.96'
L = 1199.97'
R = 8594.37'
PC STA = 149+38.48
PT STA = 161+38.45
DB = S36°57'30"E
DA = S28°57'30"E

(200) WE ENERGIES-ELECTRIC (MILWAUKEE ELECTRIC RAILWAY AND LIGHT COMPANY) BLANKET EASEMENT SOUTH 1/2 SECT 17 DOC. 1511199 PARCELS 5 & 104

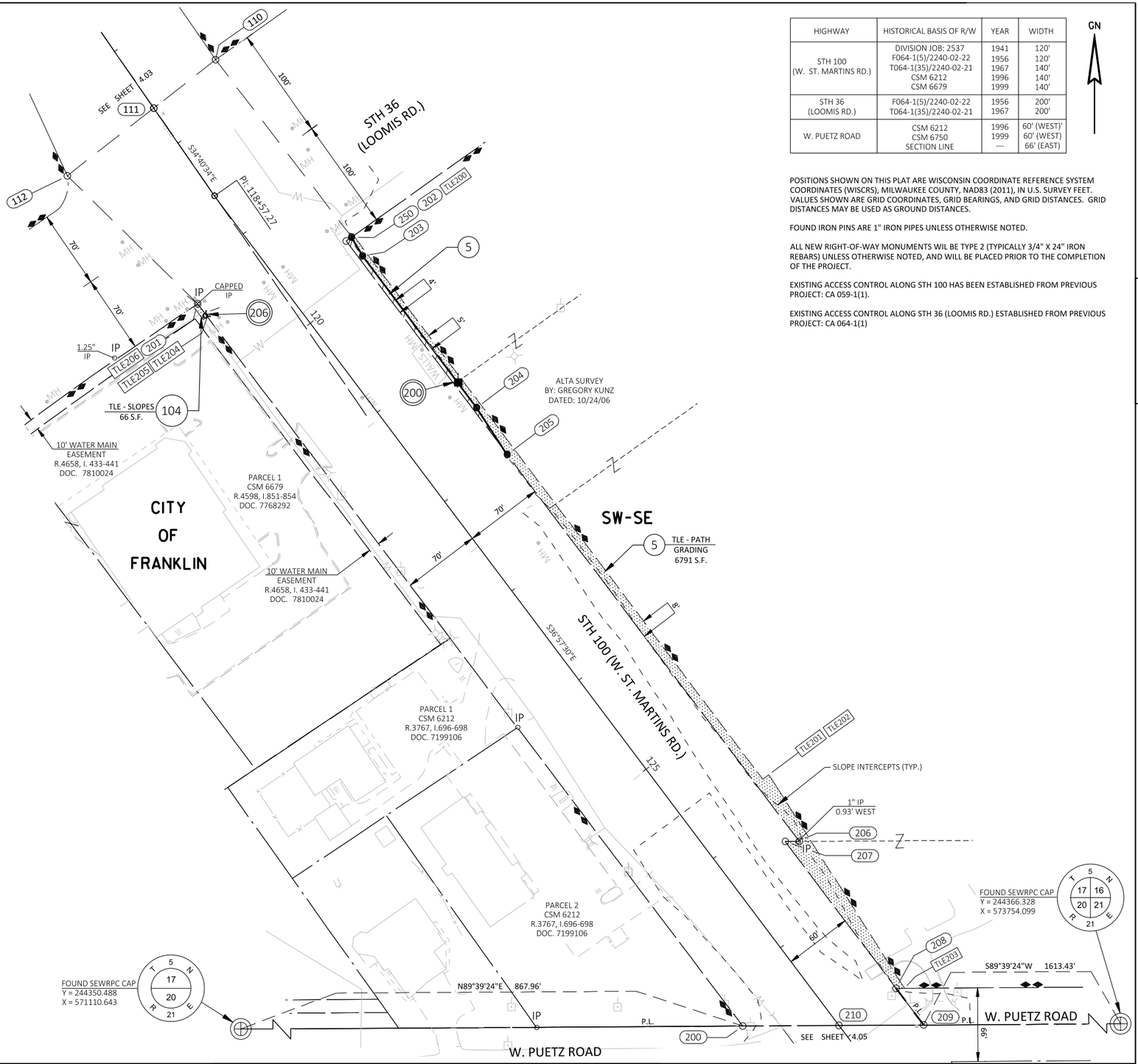
(200) WE ENERGIES-ELECTRIC (MILWAUKEE ELECTRIC RAILWAY AND LIGHT COMPANY) BLANKET EASEMENT SW-SE SECT 17 DOC. 1511201 PARCELS 5 & 104

(206) CITY OF FRANKLIN-WATER DOC. 7810024 PARCEL 104

COURSE TABLE		
COURSE	BEARING	DISTANCE
200 - 201	N37° 02' 03"W	810.38'
201 - 112	N45° 31' 48"W	163.55'
112 - 111	N51° 58' 18"E	98.45'
111 - 110	N51° 58' 18"E	70.19'
110 - 202	S37° 29' 38"E	200.13'
202 - 203	S30° 02' 06"E	19.52'
203 - 204	S36° 57' 30"E	170.00'
204 - 205	S33° 05' 14"E	50.11'
205 - 206	S37° 02' 03"E	434.01'
206 - 207	S89° 29' 31"W	12.44'
207 - 208	S37° 02' 03"E	164.68'
208 - 209	S37° 02' 03"E	41.15'
209 - 210	S89° 39' 24"W	75.94'
210 - 200	S89° 39' 24"W	86.18'
205 - 250	N37° 02' 03"W	239.54'
250 - 202	N54° 35' 51"E	6.06'
202 - TLE200	N54° 35' 51"E	2.15'
TLE200 - TLE201	S36° 57' 30"E	609.32'
TLE201 - TLE202	N53° 02' 30"E	7.00'
TLE202 - TLE203	S32° 24' 04"E	226.55'
TLE203 - 208	S89° 39' 24"W	7.60'
201 - TLE204	S37° 02' 03"E	14.49'
TLE204 - TLE205	S52° 57' 57"W	4.52'
TLE205 - TLE206	N36° 57' 30"W	14.71'
TLE206 - 201	N55° 42' 35"E	4.51'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
110	117+57.63	-70.07'
111	117+61.74	0.00'
112	117+67.49	98.28'
200	127+35.76	69.17'
201	119+25.38	70.27'
202	119+60.63	-75.85'
203	119+80.00	-73.50'
204	121+50.00	-73.50'
205	122+00.00	-70.12'
206	126+34.01	-70.69'
207	126+26.62	-60.68'
208	127+91.30	-60.90'
209	128+32.45	-60.95'
210	127+87.16	0.00'
250	119+60.46	-69.80'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
TLE200	119+60.68	-78.00'
TLE201	125+70.00	-78.00'
TLE202	125+70.00	-85.00'
TLE203	127+95.83	-67.00'
TLE204	119+39.87	70.23'
TLE205	119+39.88	74.75'
TLE206	119+25.17	74.75'



HIGHWAY	HISTORICAL BASIS OF R/W	YEAR	WIDTH
STH 100 (W. ST. MARTINS RD.)	DIVISION JOB: 2537	1941	120'
	F064-1(5)/2240-02-22	1956	120'
	T064-1(35)/2240-02-21	1967	140'
	CSM 6212	1996	140'
	CSM 6679	1999	140'
STH 36 (LOOMIS RD.)	F064-1(5)/2240-02-22	1956	200'
	T064-1(35)/2240-02-21	1967	200'
W. PUETZ ROAD	CSM 6212	1996	60' (WEST)'
	CSM 6750	1999	60' (WEST)
	SECTION LINE	---	66' (EAST)

GN

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.

FOUND IRON PINS ARE 1" IRON PIPES UNLESS OTHERWISE NOTED.

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.

EXISTING ACCESS CONTROL ALONG STH 100 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT: CA 059-1(1).

EXISTING ACCESS CONTROL ALONG STH 36 (LOOMIS RD.) ESTABLISHED FROM PREVIOUS PROJECT: CA 064-1(1)

4

4

REVISION DATE
2/1/23
4/30/24 (N.C.)

DATE 12/13/22

GRID FACTOR N/A

SCALE, FEET 0 50 100

HWY: STH 100

COUNTY: MILWAUKEE

STATE R/W PROJECT NUMBER 2040-15-23/24

CONSTRUCTION PROJECT NUMBER 2040-15-73

PLAT SHEET 4.04

PS&E SHEET 301 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\RW\DWG\040101_RP_TRADITIONAL.DWG
LAYOUT NAME - 4.04

PLOT DATE : 4/30/2024 2:47 PM 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	PROJECT ID	OWNERS	INTERESTS REQUIRED	R/W S.F REQUIRED NEW	EXISTING	TOTAL	TLE S.F.
6	2040-15-24	9640 MANAGEMENT LLC	TLE	---	---	---	646

UTILITY INTERESTS REQUIRED

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

PI STA = 118+57.27
Y = 245099.251
X = 571505.688
DELTA = 2°16'56" LT

PI STA = 155+39.44
Y = 242156.927
X = 573719.529
DELTA = 7°59'59" RT
D = 0°40'00"
T = 600.96'
L = 1199.97'
R = 8594.37'
PC STA = 149+38.48
PT STA = 161+38.45
DB = S36°57'30"E
DA = 528°57'30"E

(200) WE ENERGIES-ELECTRIC
(MILWAUKEE ELECTRIC RAILWAY AND LIGHT COMPANY)
BLANKET EASEMENT
NE1/4, SECTION 20
DOC. 2083450 & DOC. 2083451
PARCEL 6

(201) AT&T WISCONSIN
(WISCONSIN BELL)
R.2944, I.1008-1010
DOC. 6712244
PARCEL 6

COURSE TABLE		
COURSE	BEARING	DISTANCE
200 - 210	N89° 39' 24"E	86.18'
210 - 209	N89° 39' 24"E	75.94'
209 - 300	S36° 36' 07"E	40.92'
300 - 301	S36° 56' 15"E	291.10'
301 - 302	N18° 38' 48"E	12.12'
302 - 303	S36° 56' 15"E	136.97'
303 - 304	S00° 57' 52"W	114.79'
304 - 305	S00° 57' 52"W	104.97'
305 - 306	N36° 56' 15"W	653.80'
306 - 200	N40° 31' 53"W	78.54'
300 - TLE300	S36° 56' 15"E	99.53'
TLE300 - TLE301	N17° 28' 51"E	4.10'
TLE301 - TLE302	S36° 57' 30"E	191.62'
TLE302 - 301	S18° 38' 48"W	4.13'
301 - TLE300	N36° 56' 15"W	191.56'
TLE302 - 302	N18° 38' 48"E	7.99'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
200	127+35.76	69.17'
209	128+32.45	-60.95'
210	127+87.16	0.00'
300	128+73.37	-60.70'
301	131+64.47	-60.59'
302	131+57.62	-70.60'
303	132+94.59	-70.55'
304	133+85.14	0.00'
305	134+67.95	64.52'
306	128+14.14	64.28'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
TLE300	129+72.91	-60.66'
TLE301	129+70.52	-64.00'
TLE302	131+62.14	-64.00'

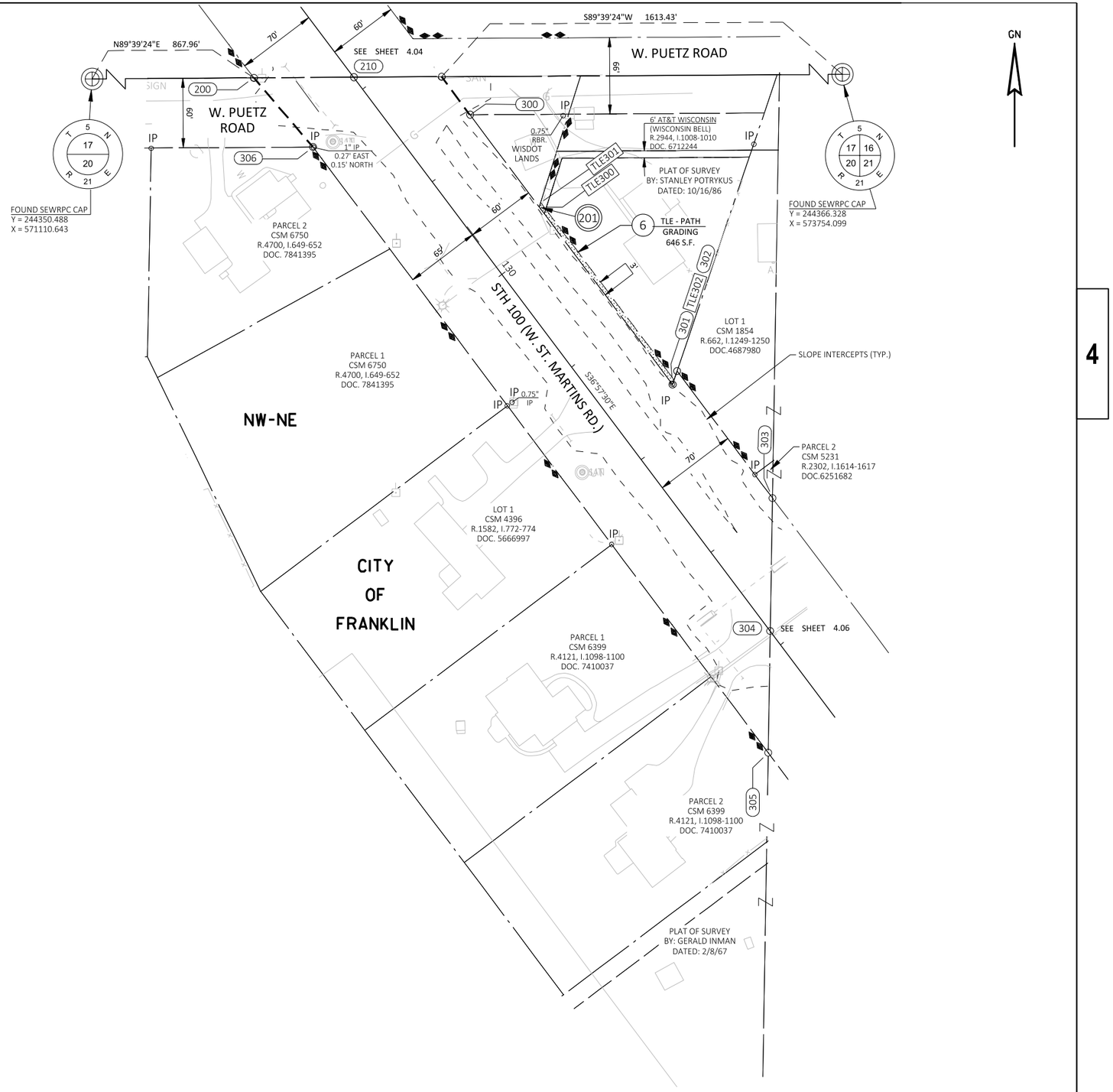
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MILWAUKEE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOUND IRON PINS ARE 1" IRON PIPES UNLESS OTHERWISE NOTED.

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.

EXISTING ACCESS CONTROL ALONG STH 100 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT: CA 059-1(1)

HIGHWAY	HISTORICAL BASIS OF R/W	YEAR	WIDTH
STH 100 (W. ST. MARTINS RD.)	DIVISION JOB: 2537	1941	120'
	CSM 1854	1971	130'
	CSM 4396	1983	130'/135'
	CSM 6399	1997	135'
	CSM 6750	1999	125'
W. PUETZ ROAD	CSM 1854	1971	93' (EAST)
	CSM 6212	1996	60' (WEST)'
	CSM 6750	1999	60' (WEST)
	SECTION LINE	---	66' (EAST)



REVISION DATE			
2/1/23			
4/30/24 (N.C.)			

DATE 12/13/22
GRID FACTOR N/A

SCALE, FEET
0 50 100

HWY: STH 100
COUNTY: MILWAUKEE

STATE R/W PROJECT NUMBER 2040-15-23/24
CONSTRUCTION PROJECT NUMBER 2040-15-73

PLAT SHEET 4.05
PS&E SHEET 302

E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\RW\DWG\040101_RP_TRADITIONAL.DWG
LAYOUT NAME - 4.05

PLOT DATE : 4/30/2024 2:47 PM PLOT BY : BARTELT, HEATHER PLOT NAME : PLOT SCALE : 1 IN:50 FT

4

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	PROJECT ID	OWNERS	INTERESTS REQUIRED	R/W S.F REQUIRED NEW	EXISTING	TOTAL	TLE S.F.
7	2040-15-24	JAMES M. & NANCY J. BONNEY	TLE	---	---	---	610
8	2040-15-24	JUAN M. SANCHEZ	TLE	---	---	---	874
9	2040-15-24	EVA MURR	TLE	---	---	---	781
10	2040-15-24	LAHRACHE HOLDINGS LLC	FEE,TLE	77	---	77	4797
100	2040-15-23	DAVID ARIAS	TLE	---	---	---	187

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTERESTS REQUIRED
200	WE ENERGIES-ELECTRIC	RELEASE OF RIGHTS

(200) WE ENERGIES-ELECTRIC (MILWAUKEE ELECTRIC RAILWAY AND LIGHT COMPANY) BLANKET EASEMENT NE1/4, SECTION 20 DOC. 2083450 & DOC. 2083451 PARCELS 7, 8, 9, 10, 100

COURSE TABLE		
COURSE	BEARING	DISTANCE
400 - 401	S89° 42' 12"W	81.17'
401 - 402	S89° 42' 12"W	80.84'
402 - 403	N36° 56' 15"W	424.12'
403 - 404	N53° 03' 45"E	5.00'
404 - 405	N36° 56' 15"W	196.11'
405 - 406	N12° 38' 26"E	78.30'
406 - 407	N12° 38' 26"E	85.90'
407 - 408	S36° 56' 15"E	363.54'
408 - 409	S53° 03' 45"W	5.00'
409 - 410	S36° 56' 15"E	156.35'
410 - 411	N49° 08' 50"E	5.01'
411 - 412	S36° 56' 15"E	49.94'
412 - 413	S62° 46' 48"E	88.91'
413 - 414	SEE CURVE 1 DATA	
414 - 415	S42° 37' 52"W	29.20'
415 - 400	S36° 56' 15"E	168.54'
415 - 450	N36° 56' 15"W	5.36'
450 - 414	N53° 12' 17"E	28.72'
404 - TLE400	N36° 56' 15"W	177.37'
TLE400 - TLE401	S53° 03' 45"W	10.00'
TLE401 - TLE402	N36° 56' 15"W	18.74'
TLE402 - 405	N53° 03' 45"E	10.00'
405 - TLE400	S36° 56' 15"E	18.74'
407 - TLE403	N53° 03' 45"E	5.00'
TLE403 - TLE411	S36° 56' 15"E	49.22'
TLE411 - TLE412	S27° 09' 21"W	5.56'
TLE412 - 407	N36° 56' 15"W	51.65'
TLE412 - TLE405	S36° 56' 15"E	66.70'
TLE405 - TLE404	N27° 09' 21"E	5.56'
TLE404 - TLE450	S36° 56' 15"E	73.85'
TLE450 - TLE451	S76° 16' 50"W	5.44'
TLE451 - TLE405	N36° 56' 15"W	69.28'
TLE450 - TLE406	S36° 56' 15"E	173.76'
TLE406 - 408	S53° 03' 45"W	5.00'
TLE451 - 408	N36° 56' 15"W	175.91'
408 - 411	S36° 56' 15"E	156.01'
411 - 410	S49° 08' 50"W	5.01'
413 - TLE408	S37° 31' 39"E	10.00'
TLE408 - TLE409	S53° 02' 30"W	13.03'
TLE409 - TLE410	S36° 57' 30"E	183.14'
TLE410 - 400	S89° 42' 12"W	32.27'

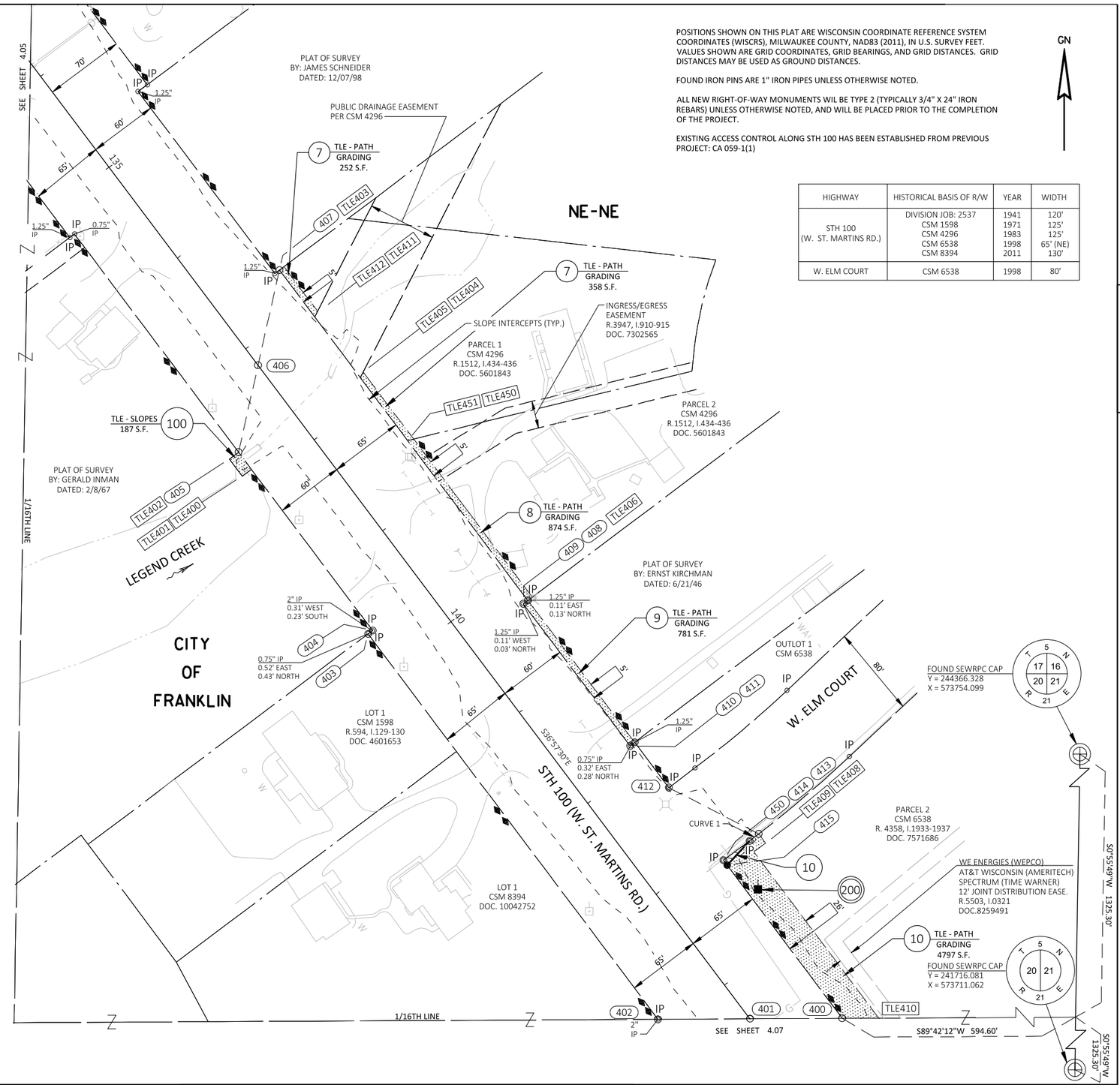
STATION & OFFSET TABLE		
POINT	STATION	OFFSET
400	144+85.66	-65.12'
401	144+37.19	0.00'
402	143+88.92	64.85'
403	139+64.80	64.70'
404	139+64.80	59.70'
405	137+68.69	59.62'
406	137+17.94	0.00'
407	136+62.27	-65.41'
408	140+25.81	-65.28'
409	140+25.81	-60.28'
410	141+82.16	-60.23'
411	141+81.82	-65.23'
412	142+31.76	-65.21'
413	143+11.79	-103.93'
414	143+11.84	-93.90'
415	143+17.12	-65.18'
450	143+11.76	-65.18'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
TLE400	137+87.43	59.63'
TLE401	137+87.43	69.63'
TLE402	137+68.69	69.62'
TLE403	136+62.27	-70.41'
TLE404	137+78.20	-70.37'
TLE405	137+80.62	-65.37'
TLE406	140+25.81	-70.28'
TLE408	143+21.79	-104.03'
TLE409	143+21.79	-91.00'
TLE410	145+04.93	-91.00'
TLE411	137+11.49	-70.40'
TLE412	137+13.92	-65.40'
TLE450	138+52.05	-70.35'
TLE451	138+49.90	-65.35'

PI STA = 118+57.27
Y = 245099.251
X = 571505.688
DELTA = 2°16'56" LT

PI STA = 155+39.44
Y = 242156.927
X = 573719.529
DELTA = 7°59'59" RT
D = 0°40'00"
T = 600.96'
L = 1199.97'
R = 8594.37'
PC STA = 149+38.48
PT STA = 161+38.45
DB = S36°57'30"E
DA = S28°57'30"E

CURVE 1
R = 1040.00'
L = 10.04'
LCH = 10.04'
LCB = S52° 44' 57"W



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.

FOUND IRON PINS ARE 1" IRON PIPES UNLESS OTHERWISE NOTED.

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.

EXISTING ACCESS CONTROL ALONG STH 100 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT: CA 059-1(1)

GN

HIGHWAY	HISTORICAL BASIS OF R/W	YEAR	WIDTH
STH 100 (W. ST. MARTINS RD.)	DIVISION JOB: 2537	1941	120'
	CSM 1598	1971	125'
	CSM 4296	1983	125'
	CSM 6538	1998	65' (NE)
	CSM 8394	2011	130'
W. ELM COURT	CSM 6538	1998	80'

REVISION DATE 2/1/23 4/30/24 (N.C.)	DATE 12/13/22	SCALE, FEET 0 50 100	HWY: STH 100
	GRID FACTOR N/A		COUNTY: MILWAUKEE

STATE R/W PROJECT NUMBER 2040-15-23/24	PLAT SHEET 4.06	
CONSTRUCTION PROJECT NUMBER 2040-15-73	PS&E SHEET 303	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\RW\DWG\040101_RP_TRADITIONAL.DWG
LAYOUT NAME - 4.06

PLOT DATE : 4/30/2024 2:47 PM 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	PROJECT ID	OWNERS	INTERESTS REQUIRED	R/W S.F REQUIRED NEW	EXISTING	TOTAL	TLE S.F.
10	2040-15-24	LAHRACHE HOLDINGS LLC	TLE	---	---	---	6009
11	2040-15-24	KAITLIN WOODS CONDOMINIUM ASSOCIATION, INC.	TLE	---	---	---	1225

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTERESTS REQUIRED
200	WE ENERGIES-ELECTRIC	RELEASE OF RIGHTS
201	AT&T WISCONSIN	RELEASE OF RIGHTS
202	CITY OF FRANKLIN-SANITARY SEWER	RELEASE OF RIGHTS
203	SPECTRUM	RELEASE OF RIGHTS

PI STA = 155+39.44
Y = 242156.927
X = 573719.529
DELTA = 7°59'59" RT
D = 0°40'00"
T = 600.96'
L = 1199.97'
R = 8594.37'
PC STA = 149+38.48
PT STA = 161+38.45
DA = S28°57'30"E

ALIGNMENT SUB-CURVE
PC 149+38.48 TO STA. 154+76.86
R = 8594.37'
L = 538.38'
LCH = 538.29'
LCB = S35° 09' 49"E

ALIGNMENT SUB-CURVE
STA. 154+76.86 TO PT 161+38.45
R = 8594.37'
L = 661.59'
LCH = 661.43'
LCB = S31° 09' 50"E

CURVE 1
(503-504)
R = 8529.42'
L = 524.90'
LCH = 524.82'
LCB = N35° 10' 28"W

CURVE 2
(507-508)
R = 8659.42'
L = 363.04'
LCH = 363.01'
LCB = S35° 44' 11"E

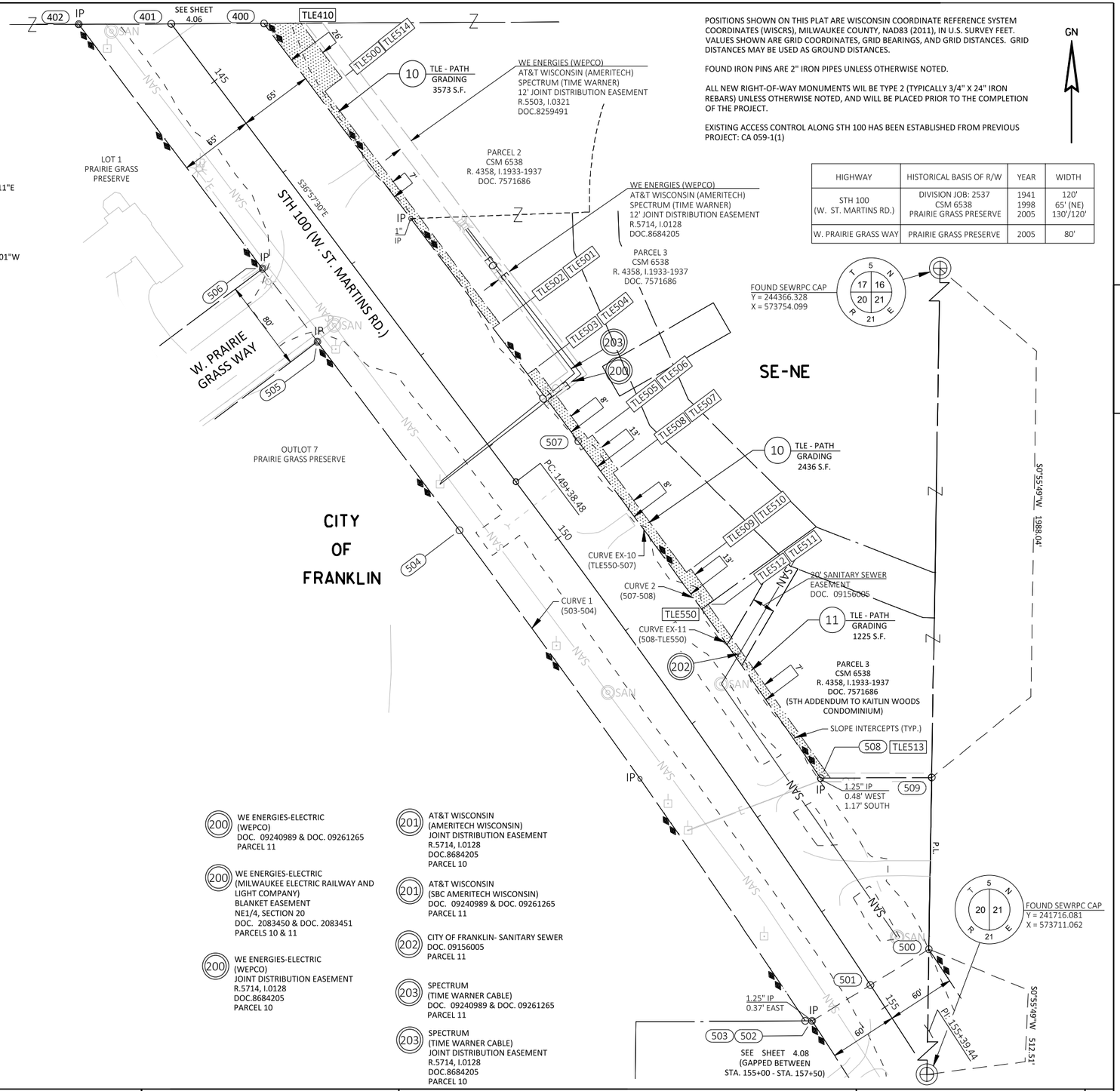
CURVE EX-10
(TLE550-507)
R = 8659.42'
L = 182.24'
LCH = 182.24'
LCB = N36° 20' 05"W

CURVE EX-11
(508-TLE550)
R = 8659.42'
L = 180.79'
LCH = 180.79'
LCB = N35° 08' 01"W

COURSE TABLE		
COURSE	BEARING	DISTANCE
500 - 501	S58° 25' 38"W	60.05'
501 - 502	S58° 25' 38"W	60.00'
502 - 503	S89° 45' 10"W	5.97'
503 - 504	SEE CURVE 1 DATA	
504 - 505	N36° 56' 15"W	80.44'
505 - 506	N36° 56' 15"W	80.00'
506 - 402	N36° 56' 15"W	267.38'
402 - 401	N89° 42' 12"E	80.84'
401 - 400	N89° 42' 12"E	81.17'
400 - 507	S36° 56' 15"E	457.13'
507 - 508	SEE CURVE 2 DATA	
508 - 509	N89° 43' 36"E	97.10'
509 - 500	S00° 55' 49"W	150.04'
400 - TLE410	N89° 42' 12"E	32.27'
TLE410 - TLE514	S36° 57' 30"E	60.07'
TLE514 - TLE500	S53° 02' 30"W	19.00'
TLE500 - TLE501	S36° 57' 30"E	254.00'
TLE501 - TLE502	S53° 02' 30"W	7.00'
TLE502 - TLE503	S36° 56' 15"E	50.56'
TLE503 - TLE504	N53° 03' 45"E	8.77'
TLE504 - TLE505	S36° 31' 59"E	76.63'
TLE505 - TLE506	N53° 28' 01"E	5.00'
TLE506 - TLE507	S36° 31' 59"E	37.11'
TLE507 - TLE508	S53° 28' 01"W	5.00'
TLE508 - TLE509	S36° 17' 36"E	107.99'
TLE509 - TLE510	N54° 03' 07"E	5.00'
TLE510 - TLE511	S35° 49' 53"E	33.94'
TLE511 - TLE550	S54° 16' 06"W	13.02'
TLE550 - 507	SEE CURVE EX-10 DATA	
507 - TLE503	N36° 56' 15"W	73.23'
TLE502 - 400	N36° 56' 15"W	333.34'
TLE550 - TLE512	N54° 16' 06"E	7.04'
TLE512 - TLE513	S35° 06' 20"E	185.70'
TLE513 - 508	S89° 43' 36"W	8.47'
508 - TLE550	SEE CURVE EX-11 DATA	
TLE513 - 509	N89° 43' 36"E	88.63'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
400	144+85.66	-65.12'
401	144+37.19	0.00'
402	143+88.92	64.85'
500	154+78.73	-60.03'
501	154+76.86	0.00'
502	154+74.96	59.98'
503	154+71.67	64.98'
504	149+42.77	65.05'
505	147+36.30	64.97'
506	146+56.30	64.95'
507	149+42.76	-64.95'
508	153+03.07	-65.00'
509	153+56.81	-145.43'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
TLE410	145+04.93	-91.00'
TLE500	145+65.00	-72.00'
TLE501	148+19.00	-72.00'
TLE502	148+19.00	-65.00'
TLE503	148+69.56	-64.98'
TLE504	148+69.56	-73.75'
TLE505	149+46.12	-73.19'
TLE506	149+46.15	-78.18'
TLE507	149+82.93	-78.02'
TLE508	149+82.92	-73.02'
TLE509	150+90.00	-73.00'
TLE510	150+90.00	-78.00'
TLE511	151+23.63	-78.00'
TLE512	151+23.63	-72.01'
TLE513	153+07.79	-72.00'
TLE514	145+65.00	-91.00'
TLE550	151+23.63	-64.98'



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.

FOUND IRON PINS ARE 2" IRON PIPES UNLESS OTHERWISE NOTED.

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.

EXISTING ACCESS CONTROL ALONG STH 100 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT: CA 059-1(1)

GN

HIGHWAY	HISTORICAL BASIS OF R/W	YEAR	WIDTH
STH 100 (W. ST. MARTINS RD.)	DIVISION JOB: 2537 CSM 6538 PRAIRIE GRASS PRESERVE	1941 1998 2005	120' 65' (NE) 130'/120'
W. PRAIRIE GRASS WAY	PRAIRIE GRASS PRESERVE	2005	80'

(200) WE ENERGIES-ELECTRIC (WEPCO)
DOC. 09240989 & DOC. 09261265
PARCEL 11

(200) WE ENERGIES-ELECTRIC (MILWAUKEE ELECTRIC RAILWAY AND LIGHT COMPANY)
BLANKET EASEMENT
NE1/4, SECTION 20
DOC. 2083450 & DOC. 2083451
PARCELS 10 & 11

(200) WE ENERGIES-ELECTRIC (WEPCO)
JOINT DISTRIBUTION EASEMENT
R.5714, I.0128
DOC.8684205
PARCEL 10

(201) AT&T WISCONSIN (AMERITECH WISCONSIN)
JOINT DISTRIBUTION EASEMENT
R.5714, I.0128
DOC.8684205
PARCEL 10

(201) AT&T WISCONSIN (SBC AMERITECH WISCONSIN)
DOC. 09240989 & DOC. 09261265
PARCEL 11

(202) CITY OF FRANKLIN- SANITARY SEWER
DOC. 09156005
PARCEL 11

(203) SPECTRUM (TIME WARNER CABLE)
DOC. 09240989 & DOC. 09261265
PARCEL 11

(203) SPECTRUM (TIME WARNER CABLE)
JOINT DISTRIBUTION EASEMENT
R.5714, I.0128
DOC.8684205
PARCEL 10

REVISION DATE
2/1/23
4/30/24 (N.C.)

DATE 12/13/22
GRID FACTOR N/A

SCALE, FEET
0 50 100

HWY: STH 100
COUNTY: MILWAUKEE

STATE R/W PROJECT NUMBER 2040-15-23/24
CONSTRUCTION PROJECT NUMBER 2040-15-73

PLAT SHEET 4.07
PS&E SHEET 304 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\RW\DWG\040101_RP_TRADITIONAL.DWG
LAYOUT NAME - 4.07
PLOT DATE : 4/30/2024 2:48 PM PLOT BY : BARTELT, HEATHER PLOT NAME : PLOT SCALE : 1 IN:50 FT

4

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	PROJECT ID	OWNERS	INTERESTS REQUIRED	R/W S.F REQUIRED			PLE S.F.	TLE S.F.
				NEW	EXISTING	TOTAL		
12	2040-15-24	RICHARD W. & ERINA D. FITZGERALD	TLE	---	---	---	---	451
13	2040-15-24	MATTHEW D. HAUKE	TLE	---	---	---	---	590
14	2040-15-24	RANDY D. & KIM HINTZ	TLE	---	---	---	---	161
15	2040-15-24	MARILYN HRIBAR AND MARILYN J. FANETTI	PLE,TLE	---	---	---	459	5788

UTILITY INTERESTS REQUIRED

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

COURSE TABLE		
COURSE	BEARING	DISTANCE
600 - 601	N00° 55' 49"E	241.89'
601 - 602	S89° 04' 11"E	106.21'
602 - 603	S89° 04' 11"E	71.04'
603 - 604	SEE CURVE 1 DATA	
604 - 605	SEE CURVE 2 DATA	
605 - 606	S28° 55' 42"E	615.91'
606 - 607	S61° 04' 18"W	59.79'
607 - 608	S61° 04' 18"W	60.21'
608 - 609	N28° 55' 42"W	615.91'
609 - 610	SEE CURVE 3 DATA	
610 - 600	S89° 47' 20"W	182.42'
604 - 610	S89° 47' 20"W	137.76'
603 - TLE600	N58° 47' 07"E	5.93'
TLE600 - TLE651	SEE CURVE TLE12 DATA	
TLE651 - TLE650	S58° 54' 24"W	5.92'
TLE650 - 603	SEE CURVE EX-12 DATA	
TLE651 - TLE652	SEE CURVE TLE13 DATA	
TLE652 - TLE653	S58° 54' 24"W	5.91'
TLE653 - TLE650	SEE CURVE EX-13 DATA	
TLE652 - TLE601	SEE CURVE TLE14 DATA	
TLE601 - TLE602	S60° 03' 07"W	5.90'
TLE602 - TLE653	SEE CURVE EX-14A DATA	
604 - TLE603	SEE CURVE EX-14B DATA	
TLE603 - TLE604	N60° 27' 07"E	2.90'
TLE604 - TLE654	S29° 21' 14"E	25.32'
TLE654 - 604	S89° 47' 20"W	3.26'
TLE654 - TLE605	S29° 21' 14"E	35.05'
TLE605 - TLE606	S60° 38' 46"W	2.89'
TLE606 - 604	SEE CURVE EX-15 DATA	
605 - TLE607	S28° 55' 42"E	20.84'
TLE607 - TLE613	N61° 02' 30"E	15.90'
TLE613 - TLE614	S28° 57' 30"E	71.00'
TLE614 - PLE600	S61° 02' 30"W	15.93'
PLE600 - TLE607	N28° 55' 42"W	71.00'
605 - PLE600	S28° 55' 42"E	91.84'
PLE600 - PLE601	N61° 02' 30"E	19.93'
PLE601 - PLE602	S28° 57' 30"E	23.00'
PLE602 - PLE603	S61° 02' 30"W	19.95'
PLE603 - PLE600	N28° 55' 42"W	23.00'
PLE603 - TLE615	N61° 02' 30"E	15.95'
TLE615 - TLE608	S28° 57' 30"E	19.00'
TLE608 - TLE609	S61° 02' 30"W	11.00'
TLE609 - TLE610	S28° 57' 30"E	422.00'
TLE610 - TLE611	N61° 02' 30"E	30.00'
TLE611 - TLE612	S28° 57' 30"E	60.09'
TLE612 - 606	S61° 04' 18"W	35.21'
606 - PLE603	N28° 55' 42"W	501.07'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
600	159+13.38	217.98'
601	157+04.70	89.49'
602	157+62.20	0.00'
603	158+00.00	-60.07'
604	160+73.56	-60.11'
605	161+44.16	-60.11'
606	167+60.07	-59.79'
607	167+60.04	0.00'
608	167+60.01	60.21'
609	161+44.10	59.89'
610	160+05.92	59.90'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
PLE600	162+36.00	-60.07'
PLE601	162+36.00	-80.00'
PLE602	162+59.00	-80.00'
PLE603	162+59.00	-60.05'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
TLE600	158+00.00	-66.00'
TLE601	159+90.00	-66.00'
TLE602	159+90.00	60-.10'
TLE603	160+50.00	-60.10'
TLE604	160+50.00	-63.00'
TLE605	161+09.93	-63.01'
TLE606	161+09.94	-60.11'
TLE607	161+65.00	-60.10'
TLE608	162+78.00	-76.00'
TLE609	162+78.00	-65.00'
TLE610	167+00.00	-65.00'
TLE611	167+00.00	-95.00'
TLE612	167+60.09	-95.00'
TLE613	161+65.00	-76.00'
TLE614	162+36.00	-76.00'
TLE615	162+59.00	-76.00'
TLE650	158+75.57	-60.08'
TLE651	158+75.53	-66.00'
TLE652	159+74.60	-66.00'
TLE653	159+74.71	-60.09'
TLE654	160+75.14	-62.95'

PI STA = 118+57.27
Y = 245099.251
X = 571505.688
DELTA = 2°16'56" LT

PI STA = 155+39.44
Y = 242156.927
X = 573719.529
DELTA = 7°59'59" RT
D = 0°40'00"
T = 600.96'
L = 1199.97'
R = 8594.37'
PC STA = 149+38.48
PT STA = 161+38.45
DB = S36°57'30"E
DA = S28°57'30"E

ALIGNMENT SUB-CURVE
PC 149+38.48 TO STA. 157+62.20
R = 8594.37'
L = 823.72'
LCH = 823.40'
LCB = S34° 12' 45"E

ALIGNMENT SUB-CURVE
STA. 157+62.20 TO STA. 160+39.96
R = 8594.37'
L = 277.76'
LCH = 277.74'
LCB = S30° 32' 27"E

ALIGNMENT SUB-CURVE
STA. 160+39.96 PT 161+38.45
R = 8594.37'
L = 98.49'
LCH = 98.49'
LCB = S29° 17' 12"E

(200) WE ENERGIES-ELECTRIC (WEPCO)
BLANKET EASEMENT
SW1/4, SECTION 21
DOC. 2701674
PARCEL 15

(201) AT&T WISCONSIN (WISCONSIN TELEPHONE)
BLANKET EASEMENT
ENTIRE FORMER PARCEL
DOC. 3400349
PARCEL 12

(200) WE ENERGIES-ELECTRIC (WEPCO)
BLANKET EASEMENT
NW1/4, SECTION 21
DOC. 2528807 & DOC. 2528808
PARCELS 12, 13, & 14

(201) AT&T WISCONSIN (WISCONSIN TELEPHONE)
DOC. 3841494
PARCEL 12

(200) WE ENERGIES-ELECTRIC (WEPCO)
BLANKET EASEMENT
ENTIRE FORMER PARCEL
DOC. 3400349
PARCEL 12

(200) WE ENERGIES-ELECTRIC (WEPCO)
DOC. 3841494
PARCEL 12

CURVE 1 (603-604)
R = 8654.42'
L = 275.47'
LCH = 275.46'
LCB = S30° 18' 39"E

CURVE 2 (604-605)
R = 8654.42'
L = 71.06'
LCH = 71.06'
LCB = S29° 09' 49"E

CURVE 3 (609-610)
R = 8534.42'
L = 137.25'
LCH = 137.25'
LCB = N29° 23' 21"W

CURVE EX-12 (TLE650-603)
R = 8654.42'
L = 76.10'
LCH = 76.10'
LCB = N30° 58' 14"W

CURVE EX-13 (TLE653-TLE650)
R = 8654.42'
L = 99.83'
LCH = 99.83'
LCB = N30° 23' 18"W

CURVE EX-14A (TLE602-TLE653)
R = 8654.42'
L = 15.40'
LCH = 15.40'
LCB = N30° 00' 25"W

CURVE EX-14B (604-TLE603)
R = 8654.42'
L = 23.72'
LCH = 23.72'
LCB = N29° 28' 39"W

CURVE EX-15 (TLE606-604)
R = 8654.42'
L = 36.63'
LCH = 36.63'
LCB = N29° 16' 39"W

CURVE TLE12 (TLE600-TLE651)
R = 8660.37'
L = 76.11'
LCH = 76.11'
LCB = S30° 57' 47"E

CURVE TLE13 (TLE651-TLE652)
R = 8660.37'
L = 99.83'
LCH = 99.83'
LCB = S30° 22' 52"E

CURVE TLE14 (TLE652-TLE601)
R = 8660.37'
L = 15.52'
LCH = 15.52'
LCB = S29° 59' 58"E

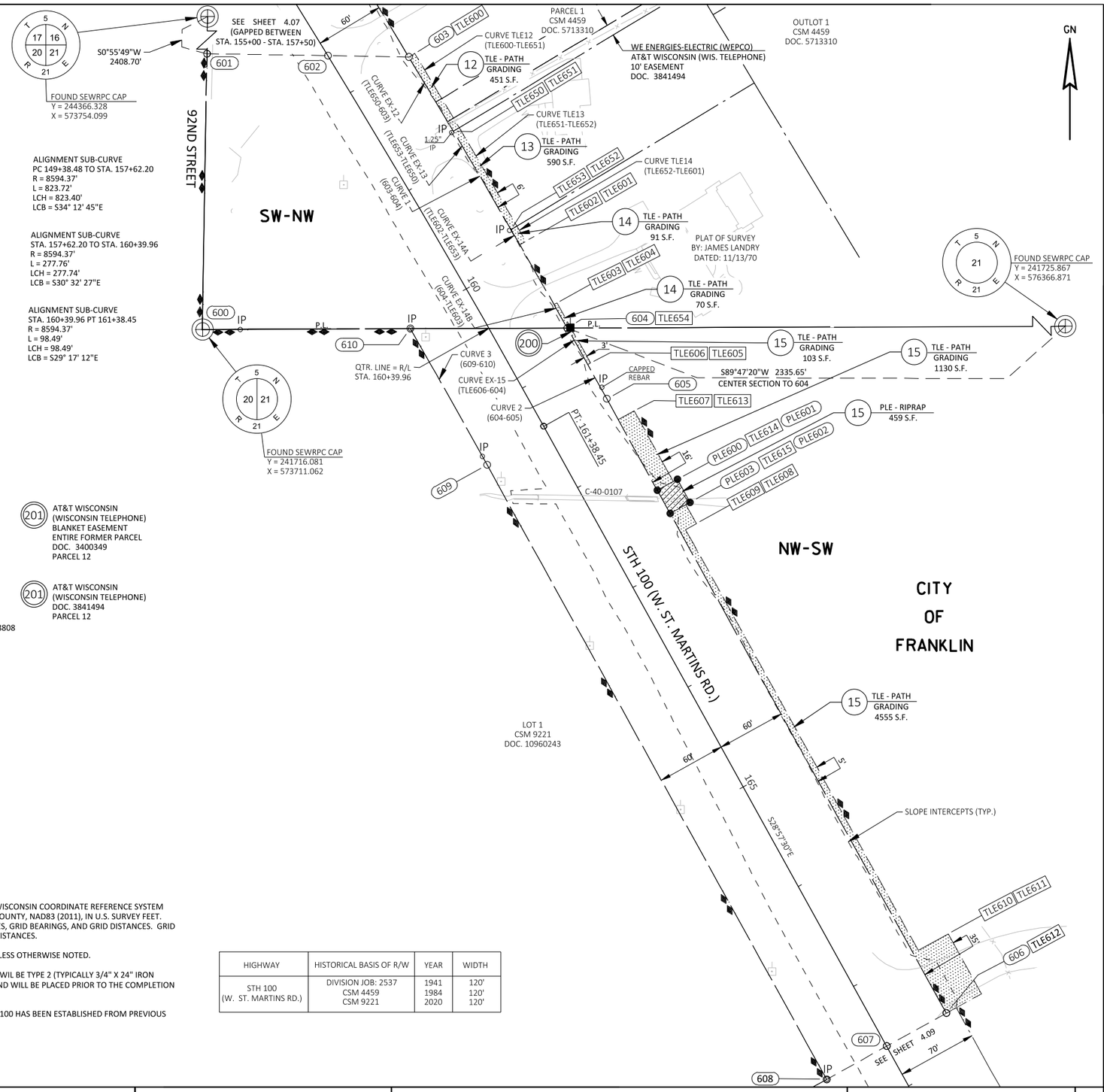
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MILWAUKEE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOUND IRON PINS ARE 3/4" REBARS UNLESS OTHERWISE NOTED.

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.

EXISTING ACCESS CONTROL ALONG STH 100 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT: CA 059-1(1)

HIGHWAY	HISTORICAL BASIS OF R/W	YEAR	WIDTH
STH 100 (W. ST. MARTINS RD.)	DIVISION JOB: 2537	1941	120'
	CSM 4459	1984	120'
	CSM 9221	2020	120'



REVISION DATE			
2/1/23			
4/30/24 (N.C.)			

DATE 12/13/22
GRID FACTOR N/A
SCALE, FEET 0 50 100
HWY: STH 100
COUNTY: MILWAUKEE
STATE R/W PROJECT NUMBER 2040-15-23/24
CONSTRUCTION PROJECT NUMBER 2040-15-73
PLAT SHEET 4.08
PS&E SHEET 305
E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\RW\DWG\040101_RP_TRADITIONAL.DWG
LAYOUT NAME - 4.08
PLOT DATE : 4/30/2024 2:48 PM 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	PROJECT ID	OWNERS	INTERESTS REQUIRED	R/W S.F REQUIRED NEW	EXISTING	TOTAL	TLE S.F.
15	2040-15-24	MARILYN HRIBAR AND MARILYN J. FANETTI	TLE	---	---	---	2932

UTILITY INTERESTS REQUIRED

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

PI STA = 155+39.44
Y = 242156.927
X = 573719.529
DELTA = 7°59'59" RT
D = 0°40'00"
T = 600.96'
L = 1199.97'
R = 8594.37'
PC STA = 149+38.48
PT STA = 161+38.45
DB = S36°57'30"E
DA = S28°57'30"E

PI STA = 190+52.48
Y = 239081.413
X = 575421.400
DELTA = 61°03'00" LT
D = 3°00'00"
T = 1126.12'
L = 2035.00'
R = 1909.86'
PC STA = 179+26.36
PT STA = 199+61.36
DB = S28°57'30"E
DA = N89°59'29"E

(200) WE ENERGIES-ELECTRIC (WEPCO)
R.272, I.905-907, DOC. 4210713
PARCEL 15

(201) AT&T WISCONSIN (WISCONSIN TELEPHONE)
R.272, I.905-907, DOC. 4210713
PARCEL 15

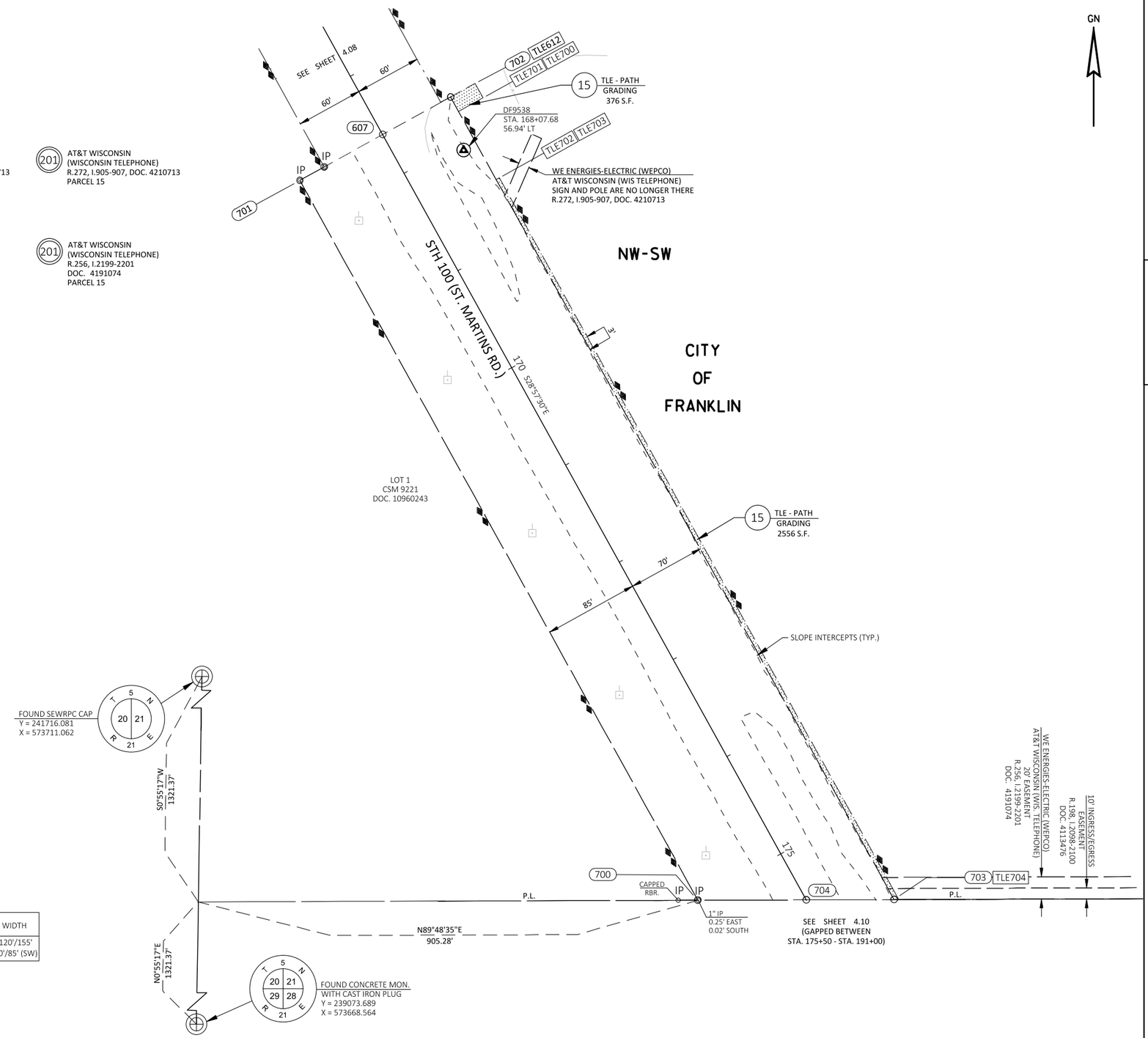
(200) WE ENERGIES-ELECTRIC (WEPCO)
R.256, I.2199-2201
DOC. 4191074
PARCEL 15

(201) AT&T WISCONSIN (WISCONSIN TELEPHONE)
R.256, I.2199-2201
DOC. 4191074
PARCEL 15

COURSE TABLE		
COURSE	BEARING	DISTANCE
700 - 701	N28° 55' 42"W	740.52'
701 - 607	N61° 04' 18"E	85.21'
607 - 702	N61° 04' 18"E	69.79'
702 - 703	S28° 55' 42"E	825.51'
703 - 704	S89° 48' 35"W	79.13'
704 - 700	S89° 48' 35"W	97.65'
702 - TLE612	N61° 04' 18"E	25.21'
TLE612 - TLE700	S28° 57' 30"E	14.91'
TLE700 - TLE701	S61° 02' 30"W	25.22'
TLE701 - 702	N28° 55' 42"W	14.92'
702 - TLE702	S28° 55' 42"E	84.92'
TLE702 - TLE703	N61° 02' 30"E	3.25'
TLE703 - TLE704	S28° 57' 30"E	742.59'
TLE704 - 703	S89° 48' 35"W	4.15'
703 - TLE702	N28° 55' 42"W	740.59'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
607	167+60.04	0.00'
700	175+00.51	85.60'
701	167+60.00	85.21'
702	167+60.08	-69.79'
703	175+85.59	-69.36'
704	175+47.51	0.00'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
TLE612	167+60.09	-95.00'
TLE700	167+75.00	-95.00'
TLE701	167+75.00	-69.78'
TLE702	168+45.00	-69.75'
TLE703	168+45.00	-73.00'
TLE704	175+87.59	-73.00'



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.

FOUND IRON PINS ARE 3/4" REBARS UNLESS OTHERWISE NOTED.

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.

EXISTING ACCESS CONTROL ALONG STH 100 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT: CA 059-1(1)

HIGHWAY	HISTORICAL BASIS OF R/W	YEAR	WIDTH
STH 100 (W. ST. MARTINS RD.)	DIVISION JOB: 2537 CSM 9221	1941 2020	120'/155' 60'/85' (SW)

REVISION DATE
2/1/23
4/30/24 (N.C.)

DATE 12/13/22

GRID FACTOR N/A

SCALE, FEET
0 50 100

HWY: STH 100

COUNTY: MILWAUKEE

STATE R/W PROJECT NUMBER 2040-15-23/24

CONSTRUCTION PROJECT NUMBER 2040-15-73

PLAT SHEET 4.09

PS&E SHEET 306

E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\RW\DWG\040101_RP_TRADITIONAL.DWG
LAYOUT NAME - 4.09

PLOT DATE : 4/30/2024 2:49 PM 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	PROJECT ID	OWNERS	INTERESTS REQUIRED	R/W S.F REQUIRED NEW	EXISTING	TOTAL	TLE S.F.
16	2040-15-24	MICHAEL J. MAZOLA	TLE	---	---	---	4034
17	2040-15-24	PEGGY J. DOBRON LIVING TRUST	TLE	---	---	---	1699

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTERESTS REQUIRED
200	WE ENERGIES-ELECTRIC	RELEASE OF RIGHTS

COURSE TABLE		
COURSE	BEARING	DISTANCE
800 - 801	N74° 24' 09"W	187.48'
801 - 802	N00° 56' 39"E	91.19'
802 - 803	N00° 56' 39"E	69.54'
803 - 804	SEE CURVE 1 DATA	
804 - 805	S00° 56' 39"W	5.03'
805 - 806	SEE CURVE 2 DATA	
806 - 807	S89° 59' 60"E	125.21'
807 - 808	S00° 00' 31"E	59.98'
808 - 809	S00° 00' 31"E	60.00'
809 - 810	S89° 59' 29"W	349.53'
810 - 811	N82° 24' 47"W	200.03'
811 - 800	N74° 24' 09"W	121.45'
803 - TLE800	N00° 56' 39"E	16.18'
TLE800 - TLE801	SEE CURVE TLE16A	
TLE801 - TLE802	S16° 49' 57"W	12.00'
TLE802 - TLE803	SEE CRUVE TLE16B	
TLE803 - 804	S00° 56' 39"W	3.12'
TLE803 - TLE804	SEE CURVE TLE17A	
TLE804 - TLE805	S05° 34' 57"W	5.00'
TLE805 - TLE806	SEE CURVE TLE17B	
TLE806 - TLE807	N89° 59' 29"E	63.64'
TLE807 - TLE808	N00° 00' 31"W	7.00'
TLE808 - TLE809	N89° 59' 29"E	60.83'
TLE809 - 807	S01° 00' 42"W	10.02'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
800	194+34.88	75.86'
801	192+55.15	85.31'
802	192+23.61	0.00'
803	191+97.61	-64.67'
804	197+30.03	-64.90'
805	197+30.57	-59.90'
806	199+60.42	-60.00'
807	200+85.66	-59.98'
808	200+85.66	0.00'
809	200+85.66	60.00'
810	197+43.93	72.84'
811	195+51.57	79.17'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
TLE800	191+91.29	-79.67'
TLE801	194+00.00	-80.00'
TLE802	194+00.00	-68.00'
TLE803	197+29.69	-68.00'
TLE804	197+75.00	-68.00'
TLE805	197+75.00	-63.00'
TLE806	199+61.36	-63.00'
TLE807	200+25.00	-63.00'
TLE808	200+25.00	-70.00'
TLE809	200+85.83	-70.00'

(200) WE ENERGIES-ELECTRIC (WEPCO)
BLANKET EASEMENT
ENTIRE PARCEL
SOUTH 15 ACRES OF EAST 30 ACRES
D.1767, P.511, DOC. 2340334
PARCEL 16

(200) WE ENERGIES-ELECTRIC (WEPCO)
BLANKET EASEMENT
SW1/4, SECTION 21
DOC. 2701674
PARCEL 16

(200) WE ENERGIES-ELECTRIC (WEPCO)
12' EASEMENT
R.3142, I.2462-2464
DOC. 6843085
PARCEL 17

PI STA = 190+52.48
Y = 239081.413
X = 575421.400
DELTA = 61°03'00" LT
D = 3°00'00"
T = 1126.12'
L = 2035.00'
R = 1909.86'
PC STA = 179+26.36
PT STA = 199+61.36
DB = S28°57'30"E
DA = N89°59'29"E

ALIGNMENT SUB-CURVE
PC 179+26.36 TO STA. 192+23.61
R = 1909.86'
L = 1297.25'
LCH = 1272.46'
LCB = S48° 25' 02"E

ALIGNMENT SUB-CURVE
STA. 192+23.61 TO STA. 197+36.84
R = 1909.86'
L = 513.22'
LCH = 511.68'
LCB = S75° 34' 28"E

ALIGNMENT SUB-CURVE
STA. 197+36.84 TO PT 199+61.36
R = 1909.86'
L = 224.53'
LCH = 224.40'
LCB = S86° 38' 26"E

CURVE 1
(803-804)
R = 1845.08'
L = 514.36'
LCH = 512.70'
LCB = S75° 06' 28"E

CURVE 2
(805-806)
R = 1850.08'
L = 222.63'
LCH = 222.50'
LCB = S86° 33' 28"E

CURVE TLE16A
(TLE800-TLE801)
R = 1829.86'
L = 200.10'
LCH = 200.00'
LCB = S70° 02' 06"E

CURVE TLE16B
(TLE802-TLE803)
R = 1841.86'
L = 317.95'
LCH = 317.56'
LCB = S78° 06' 47"E

CURVE TLE17A
(TLE803-TLE804)
R = 1841.86'
L = 43.69'
LCH = 43.69'
LCB = S83° 44' 17"E

CURVE TLE17B
(TLE805-TLE806)
R = 1846.86'
L = 180.22'
LCH = 180.14'
LCB = S87° 12' 47"E

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.

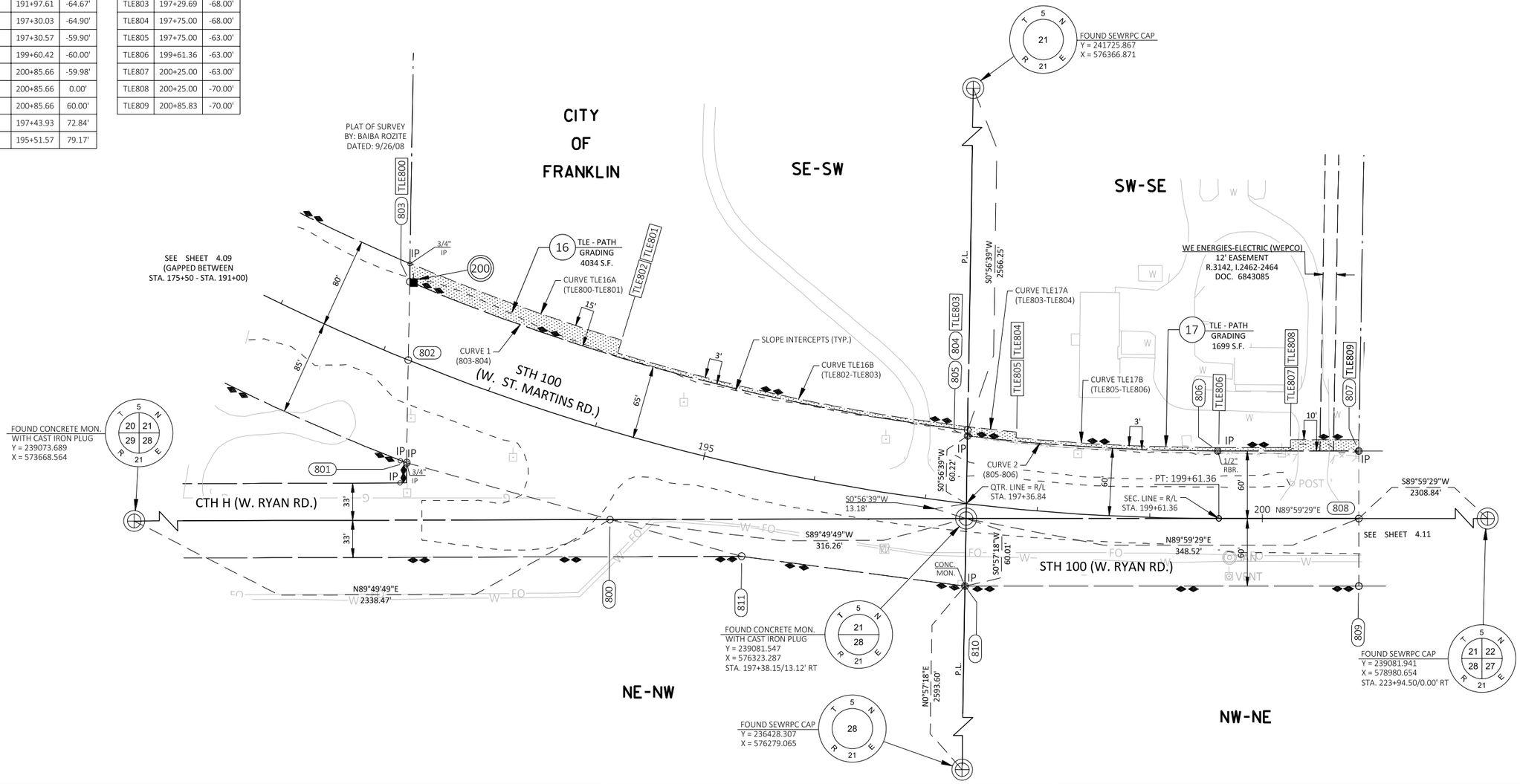
FOUND IRON PINS ARE 1.25" IRON PIPES UNLESS OTHERWISE NOTED.

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.

EXISTING ACCESS CONTROL ALONG STH 100 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT: CA 059-1(1)

HIGHWAY	HISTORICAL BASIS OF R/W	YEAR	WIDTH
STH 100 (W. RYAN RD.)	DIVISION JOB: 2537	1941	165'/120'
CTH H (W. RYAN RD.)	DIVISION JOB: 2537	1941	66'

GN



REVISION DATE			
2/1/23			
4/30/24 (N.C.)			

DATE 12/13/22
GRID FACTOR N/A
SCALE, FEET 0 50 100
HWY: STH 100
COUNTY: MILWAUKEE
STATE R/W PROJECT NUMBER 2040-15-23/24
CONSTRUCTION PROJECT NUMBER 2040-15-73
PLAT SHEET 4.10
PS&E SHEET 307 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\RW\DWG\040101_RP_TRADITIONAL.DWG
LAYOUT NAME - 4.10
PLOT DATE : 4/30/2024 2:49 PM 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	PROJECT ID	OWNERS	INTERESTS REQUIRED	R/W S.F REQUIRED NEW	EXISTING	TOTAL	TLE S.F.
18	2040-15-24	SHIV SHKTI VENTURE, LLC	TLE	---	---	---	6581
101	2040-15-23	GEN3 VENTURES, LLC	TLE	---	---	---	598

UTILITY INTERESTS REQUIRED

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

(200) WE ENERGIES-ELECTRIC
(MILWAUKEE ELECTRIC RAILWAY AND LIGHT COMPANY)
BLANKET EASEMENT
SE1/4 SECTION 21
DOC. 1417736, DOC. 1768443
PARCEL 18

(200) WE ENERGIES-ELECTRIC
WEPCO-ELECTRIC
(WE ENERGIES)
BLANKET EASEMENT
WEST 1/2 OF NE1/4, SECTION 28
D. 2581, P. 258-260
DOC. 2841111
PARCEL 101

(201) AT&T WISCONSIN
NO RECORDED EASEMENT
PARCEL 101

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.

FOUND IRON PINS ARE 1" IRON PIPES UNLESS OTHERWISE NOTED.

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.

EXISTING ACCESS CONTROL ALONG STH 100 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT: CA 059-1(1)

GN

HIGHWAY	HISTORICAL BASIS OF R/W	YEAR	WIDTH
STH 100 (W. RYAN RD.)	DIVISION JOB: 2537 CSM 5887 CSM 6113	1941 1993 1995	120' 120' 120'
S. 80TH STREET	CSM 6113	1995	80'

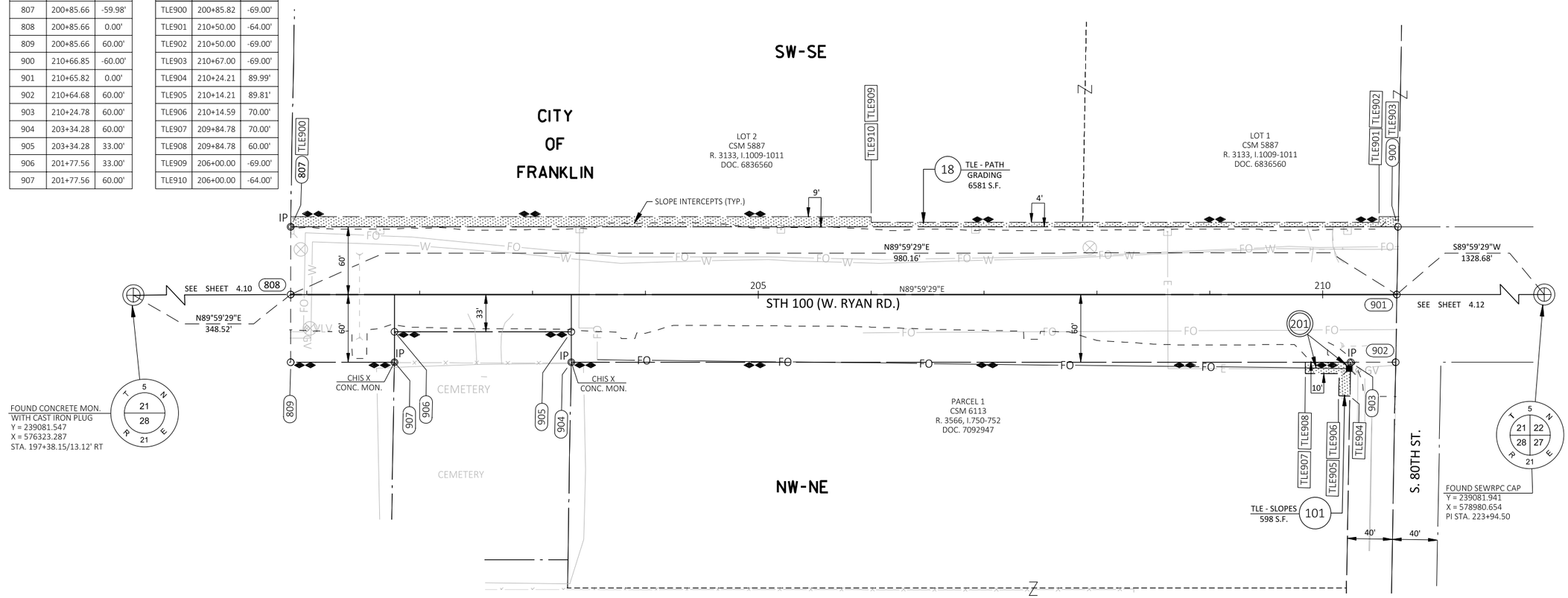
PI STA = 190+52.48
Y = 239081.413
X = 575421.400
DELTA = 61°03'00" LT
D = 3°00'00"
T = 1126.12'
L = 2035.00'
R = 1909.86'
PC STA = 179+26.36
PT STA = 199+61.36
DB = S28°57'30"E
DA = N89°59'29"E

PI STA = 223+94.50
Y = 239081.941
X = 578980.654
DELTA = 0°02'38" RT

COURSE TABLE		
COURSE	BEARING	DISTANCE
808 - 807	N00° 00' 31"W	59.98'
807 - 900	N89° 59' 25"E	981.19'
900 - 901	S00° 58' 42"W	60.01'
901 - 902	S01° 04' 25"W	60.01'
902 - 903	S89° 59' 29"W	39.91'
903 - 904	S89° 59' 29"W	690.49'
904 - 905	N00° 00' 31"W	27.00'
905 - 906	S89° 59' 29"W	156.72'
906 - 907	S00° 00' 31"E	27.00'
907 - 809	S89° 59' 29"W	91.90'
809 - 808	N00° 00' 31"W	60.00'
807 - TLE900	N01° 00' 42"E	9.02'
TLE900 - TLE909	N89° 59' 29"E	514.18'
TLE909 - TLE910	S00° 00' 31"E	5.00'
TLE910 - TLE901	N89° 59' 29"E	450.00'
TLE901 - TLE902	N00° 00' 00"E	5.00'
TLE902 - TLE903	N90° 00' 00"E	17.00'
TLE903 - 900	S00° 58' 42"W	9.00'
903 - TLE904	S01° 04' 25"W	30.00'
TLE904 - TLE905	N88° 55' 35"W	10.00'
TLE905 - TLE906	N01° 04' 25"E	19.81'
TLE906 - TLE907	S89° 59' 29"W	29.81'
TLE907 - TLE908	N00° 00' 31"W	10.00'
TLE908 - 904	S89° 59' 29"W	650.49'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
807	200+85.66	-59.98'
808	200+85.66	0.00'
809	200+85.66	60.00'
900	210+66.85	-60.00'
901	210+65.82	0.00'
902	210+64.68	60.00'
903	210+24.78	60.00'
904	203+34.28	60.00'
905	203+34.28	33.00'
906	201+77.56	33.00'
907	201+77.56	60.00'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
TLE900	200+85.82	-69.00'
TLE901	210+50.00	-64.00'
TLE902	210+50.00	-69.00'
TLE903	210+67.00	-69.00'
TLE904	210+24.21	89.99'
TLE905	210+14.21	89.81'
TLE906	210+14.59	70.00'
TLE907	209+84.78	70.00'
TLE908	209+84.78	60.00'
TLE909	206+00.00	-69.00'
TLE910	206+00.00	-64.00'



REVISION DATE 2/1/23 4/30/24 (N.C.)	DATE 12/13/22	SCALE, FEET 0 50 100	HWY: STH 100	STATE R/W PROJECT NUMBER 2040-15-23/24	PLAT SHEET 4.11
	GRID FACTOR N/A		COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 2040-15-73	PS&E SHEET 308 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\RW\DWG\040101_RP_TRADITIONAL.DWG
LAYOUT NAME - 4.11
PLOT DATE : 4/30/2024 2:50 PM 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	PROJECT ID	OWNERS	INTERESTS REQUIRED	R/W S.F REQUIRED NEW	EXISTING	TOTAL	TLE S.F.
18	2040-15-24	SHIV SHKTI VENTURE, LLC	FEE,TLE	1028	---	1028	7829
102	2040-15-23	CITY OF FRANKLIN	TLE	---	---	---	50

UTILITY INTERESTS REQUIRED

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

PI STA = 190+52.48
Y = 239081.413
X = 575421.400
DELTA = 61°03'00" LT
D = 3°00'00"
T = 1126.12'
L = 2035.00'
R = 1909.86'
PC STA = 179+26.36
PT STA = 199+61.36
DB = S28°57'30"E
DA = N89°59'29"E

PI STA = 223+94.50
Y = 239081.941
X = 578980.654
DELTA = 0°02'38" RT

(200) WE ENERGIES-ELECTRIC
(MILWAUKEE ELECTRIC RAILWAY AND LIGHT COMPANY)
BLANKET EASEMENT
SE1/4 SECTION 21
DOC. 1417736, DOC. 1768443
PARCEL 18

(200) WE ENERGIES-ELECTRIC
(WEPCO)
6' EASEMENT
D.3684, P.301-302
DOC. 3567802
PARCEL 18

(201) AT&T WISCONSIN
(WISCONSIN TELEPHONE)
6' EASEMENT
D.3684, P.301-302
DOC. 3567802
PARCEL 18

COURSE TABLE		
COURSE	BEARING	DISTANCE
1000 - 1001	S01° 11' 34"W	60.04'
1001 - 1002	N89° 59' 13"W	60.01'
1002 - 1003	S89° 59' 29"W	612.92'
1003 - 1004	N00° 00' 31"W	10.00'
1004 - 1005	S89° 59' 29"W	132.00'
1005 - 1006	S00° 00' 31"E	10.00'
1006 - 1007	S89° 59' 29"W	483.51'
1007 - 902	S89° 59' 29"W	40.11'
902 - 901	N01° 04' 25"E	60.01'
901 - 900	N00° 58' 42"E	60.01'
900 - 1008	N89° 59' 29"E	1128.50'
1008 - 1009	N84° 02' 01"E	141.23'
1009 - 1010	S85° 51' 15"E	60.09'
1010 - 1000	S01° 00' 44"W	70.32'

COURSE TABLE		
COURSE	BEARING	DISTANCE
1009 - 1050	S01° 00' 44"W	14.66'
1050 - 1008	S89° 59' 29"W	140.20'
900 - TLE903	N00° 58' 42"E	9.00'
TLE903 - TLE1002	N90° 00' 00"E	15.00'
TLE1002 - TLE1003	S00° 00' 00"W	5.00'
TLE1003 - TLE1004	N89° 59' 29"E	968.00'
TLE1004 - TLE1005	N00° 00' 31"W	5.00'
TLE1005 - TLE1006	N89° 59' 29"E	137.79'
TLE1006 - TLE1007	N78° 16' 28"E	151.64'
TLE1007 - 1009	S01° 00' 44"W	25.14'
TLE1000 - TLE1001	S45° 31' 57"W	14.28'
TLE1001 - 1007	N01° 04' 25"E	10.00'
1007 - TLE1000	N89° 59' 29"E	10.00'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
900	210+66.85	-60.00'
901	210+65.82	0.00'
902	210+64.68	60.00'
1001	223+93.24	60.02'
1002	223+33.23	60.00'
1003	217+20.31	60.00'
1004	217+20.31	50.00'
1005	215+88.31	50.00'
1006	215+88.31	60.00'
1007	211+04.79	60.00'
1008	221+95.35	-60.00'
1009	223+35.82	-74.66'
1010	223+95.70	-70.31'
1050	223+35.56	-60.00'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
TLE903	210+67.00	-69.00'
TLE1000	211+14.79	60.00'
TLE1001	211+04.60	70.00'
TLE1002	210+82.00	-69.00'
TLE1003	210+82.00	-64.00'
TLE1004	220+50.00	-64.00'
TLE1005	220+50.00	-69.00'
TLE1006	221+87.79	-69.00'
TLE1007	223+36.27	-99.79'

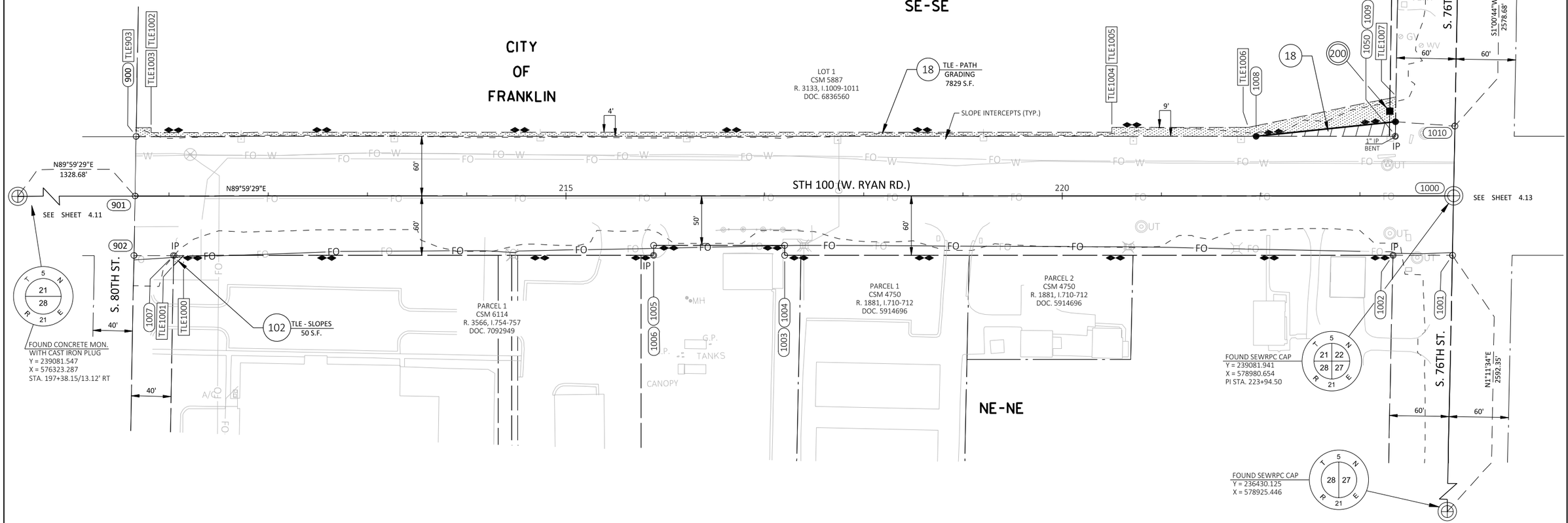
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MILWAUKEE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOUND IRON PINS ARE 1" IRON PIPES UNLESS OTHERWISE NOTED.

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.

EXISTING ACCESS CONTROL ALONG STH 100 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT: CA 059-1(1)

HIGHWAY	HISTORICAL BASIS OF R/W	YEAR	WIDTH
STH 100 (W. RYAN RD.)	DIVISION JOB: 2537	1941	120'
	FAS S 0344(5)	1956	120'
	CSM 4750	1986	120'
	CSM 5887	1993	120'
	CSM 6114	1995	120'
S. 80TH STREET	CSM 6114	1995	80'
S. 76TH STREET	DIVISION JOB: 2537	1941	120'
	FAS S 0344(5)	1956	120'
	CSM 5887	1993	120'



REVISION DATE	DATE 12/13/22	SCALE, FEET 0 50 100	HWY: STH 100	STATE R/W PROJECT NUMBER 2040-15-23/24	PLAT SHEET 4.12	
2/1/23 4/30/24 (N.C.)	GRID FACTOR N/A		COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 2040-15-73	PS&E SHEET 309	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\RW\DWG\040101_RP_TRADITIONAL.DWG
LAYOUT NAME - 4.12
PLOT DATE : 4/30/2024 2:50 PM 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	PROJECT ID	OWNERS	INTERESTS REQUIRED	R/W S.F REQUIRED NEW	R/W S.F REQUIRED EXISTING	R/W S.F REQUIRED TOTAL	TLE S.F.
19	2040-15-24	CARMA LABORATORIES, INC.	FEE,TLE	2442	---	2442	12654
20	2040-15-24	ECE HILLS, LLC	TLE	---	---	---	3081

UTILITY INTERESTS REQUIRED

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

PI STA = 223+94.50
Y = 239081.941
X = 578980.654
DELTA = 0°02'38" RT

(200) WE ENERGIES - ELECTRIC (MILWAUKEE ELECTRIC RAILWAY AND LIGHT COMPANY)
BLANKET EASEMENT
SW1/4 SECTION 22
DOC. 1417737
PARCELS 19 & 20

(200) WE ENERGIES - ELECTRIC (WEPCO)
BLANKET EASEMENT
WEST 1/2-SW1/4 SECTION 22
DOC. 2336652
PARCELS 19 & 20

(200) WE ENERGIES - ELECTRIC (WEPCO)
BLANKET EASEMENT
WEST 1/2-SW1/4 SECTION 22
DOC. 3489687
PARCELS 19 & 20

(200) WE ENERGIES - ELECTRIC (MILWAUKEE ELECTRIC RAILWAY AND LIGHT COMPANY)
BLANKET EASEMENT
ALONG STH 100 IN SECTION 22
DOC. 1417738
PARCELS 19 & 20

(201) AT&T WISCONSIN (WISCONSIN TELEPHONE)
BLANKET EASEMENT
WEST 1/2-SW1/4 SECTION 22
DOC. 3489687
PARCELS 19 & 20

(204) WE ENERGIES - GAS (WEPCO)
10' EASEMENT
DOC. 10812832
PARCEL 19

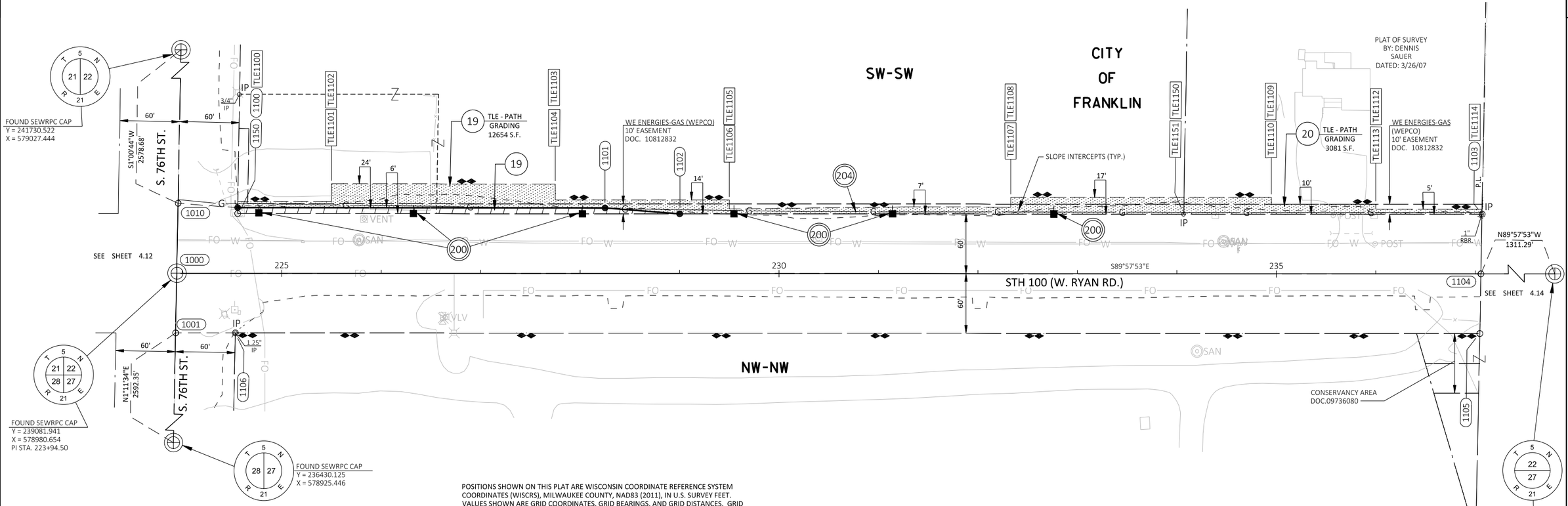
(204) WE ENERGIES - GAS (WEPCO)
10' EASEMENT
DOC. 10812831
PARCEL 20

COURSE TABLE		
COURSE	BEARING	DISTANCE
1000 - 1010	N01° 00' 44"E	70.32'
1010 - 1100	S85° 51' 15"E	60.09'
1100 - 1101	S89° 57' 53"E	369.41'
1101 - 1102	S85° 23' 37"E	75.28'
1102 - 1103	S89° 57' 53"E	806.75'
1103 - 1104	S01° 02' 06"W	60.01'
1104 - 1105	S01° 08' 49"W	60.01'
1105 - 1106	N89° 57' 53"W	1251.32'
1106 - 1001	N89° 59' 13"W	60.01'
1001 - 1000	N01° 11' 34"E	60.04'
1102 - 1150	N89° 57' 53"W	444.55'
1150 - 1100	N01° 00' 44"E	6.00'
1100 - TLE1100	N01° 00' 44"E	6.00'
TLE1100 - TLE1101	S89° 57' 53"E	94.26'
TLE1101 - TLE1102	N00° 02' 07"E	18.00'
TLE1102 - TLE1103	S89° 57' 53"E	225.00'

COURSE TABLE		
COURSE	BEARING	DISTANCE
TLE1103 - TLE1104	S00° 02' 07"W	16.00'
TLE1104 - TLE1105	S89° 57' 53"E	175.00'
TLE1105 - TLE1106	S00° 02' 07"W	9.00'
TLE1106 - TLE1107	N89° 37' 49"E	283.00'
TLE1107 - TLE1108	N00° 02' 07"E	10.00'
TLE1108 - TLE1150	S89° 57' 53"E	174.09'
TLE1150 - TLE1151	S01° 02' 06"W	17.00'
TLE1151 - 1102	N89° 57' 53"W	506.71'
TLE1150 - TLE1109	S89° 57' 53"E	87.91'
TLE1109 - TLE1110	S00° 02' 07"W	7.00'
TLE1110 - TLE1112	S89° 57' 53"E	105.00'
TLE1112 - TLE1113	S00° 02' 07"W	5.00'
TLE1113 - TLE1114	S89° 57' 53"E	106.92'
TLE1114 - 1103	S01° 02' 06"W	5.00'
1103 - TLE1151	N89° 57' 53"W	300.05'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
1000	223+94.50	0.00'
1001	223+93.24	60.02'
1010	223+95.70	-70.31'
1100	224+55.63	-66.00'
1101	228+25.04	-66.00'
1102	229+00.08	-60.00'
1103	237+06.84	-60.00'
1104	237+05.79	0.00'
1105	237+04.62	60.00'
1106	224+53.30	60.00'
1150	224+55.53	-60.00'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
TLE1100	224+55.74	-72.00'
TLE1101	225+50.00	-72.00'
TLE1102	225+50.00	-90.00'
TLE1103	227+75.00	-90.00'
TLE1104	227+75.00	-74.00'
TLE1105	229+50.00	-74.00'
TLE1106	229+50.00	-65.00'
TLE1107	232+33.00	-67.00'
TLE1108	232+33.00	-77.00'
TLE1109	234+95.00	-77.00'
TLE1110	234+95.00	-70.00'
TLE1112	236+00.00	-70.00'
TLE1113	236+00.00	-65.00'
TLE1114	237+06.92	-65.00'
TLE1150	234+07.09	-77.00'
TLE1151	234+06.79	-60.00'



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.

FOUND IRON PINS ARE 1" IRON PIPES UNLESS OTHERWISE NOTED.

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.

EXISTING ACCESS CONTROL ALONG STH 100 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT: CA 059-1(1)

HIGHWAY	HISTORICAL BASIS OF R/W	YEAR	WIDTH
STH 100 (W. RYAN RD.)	DIVISION JOB: 2537 FAS S 0344(5)	1941 1956	120' 120'
S. 76TH STREET	DIVISION JOB: 2537 FAS S 0344(5)	1941 1956	120' 120'

REVISION DATE 2/1/23 4/30/24 (N.C.)	DATE 12/13/22	SCALE, FEET 0 50 100	HWY: STH 100	STATE R/W PROJECT NUMBER 2040-15-23/24	PLAT SHEET 4.13
	GRID FACTOR N/A		COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 2040-15-73	PS&E SHEET 310 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\RW\DWG\040101_RP_TRADITIONAL.DWG
LAYOUT NAME - 4.13
PLOT DATE : 4/30/2024 2:50 PM 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	PROJECT ID	OWNERS	INTERESTS REQUIRED	R/W S.F REQUIRED			PLE S.F.	TLE S.F.
				NEW	EXISTING	TOTAL		
21	2040-15-24	MILWAUKEE COUNTY	FEE,TLE	1350	---	1350	---	20588
103	2040-15-23	O'MALLEY INVESTMENTS II FAMILY LIMITED PARTNERSHIP	PLE,TLE	---	---	---	390	450

UTILITY INTERESTS REQUIRED

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

PI STA = 223+94.50
Y = 239081.941
X = 578980.654
DELTA = 0°02'38" RT

PI STA = 250+17.08
Y = 239080.327
X = 581603.232
DELTA = 0°10'05" RT

(200) WE ENERGIES - ELECTRIC
(MILWAUKEE ELECTRIC RAILWAY AND LIGHT COMPANY)
BLANKET EASEMENT
SW1/4 SECTION 22
DOC. 1417737
PARCEL 21

(200) WE ENERGIES - ELECTRIC
(WEPCO)
12' EASEMENT
R.1457, I.348-352
DOC. 5551884
PARCEL 21

(201) AT&T WISCONSIN
(WISCONSIN TELEPHONE)
BLANKET EASEMENT
EAST 1/2-SW 1/4 & SE 1/4,
SECTION 22
DOC. 3437655
PARCEL 21

(200) WE ENERGIES - ELECTRIC
(WEPCO)
12' EASEMENT
R.2512, I.1132-1135
DOC.6436488
PARCEL 21

(200) WE ENERGIES - ELECTRIC
(MILWAUKEE ELECTRIC RAILWAY AND LIGHT COMPANY)
BLANKET EASEMENT
ALONG STH 100 IN SECTION 22
DOC. 1417738
PARCEL 21

(204) WE ENERGIES - GAS
(WEPCO)
10' EASEMENT
10871906
PARCEL 21

COURSE TABLE		
COURSE	BEARING	DISTANCE
1200 - 1201	S01° 06' 04"W	60.01'
1201 - 1105	N89° 57' 53"W	1311.34'
1105 - 1104	N01° 08' 49"E	60.01'
1104 - 1103	N01° 02' 06"E	60.01'
1103 - 1202	S89° 57' 53"E	53.16'
1202 - 1203	N82° 26' 26"E	90.80'
1203 - 1204	S89° 57' 53"E	50.00'
1204 - 1205	S71° 02' 24"E	37.00'
1205 - 1206	S89° 57' 53"E	1050.14'
1206 - 1207	S89° 57' 53"E	33.01'
1207 - 1200	S01° 03' 30"W	60.01'
1205 - 1202	N89° 57' 53"W	175.00'
1103 - TLE1204	N01° 02' 06"E	17.00'
TLE1204 - TLE1205	S89° 57' 53"E	492.87'
TLE1205 - TLE1206	N00° 02' 07"E	6.00'
TLE1206 - TLE1207	S89° 57' 53"E	175.00'
TLE1207 - TLE1208	S00° 02' 07"W	6.00'

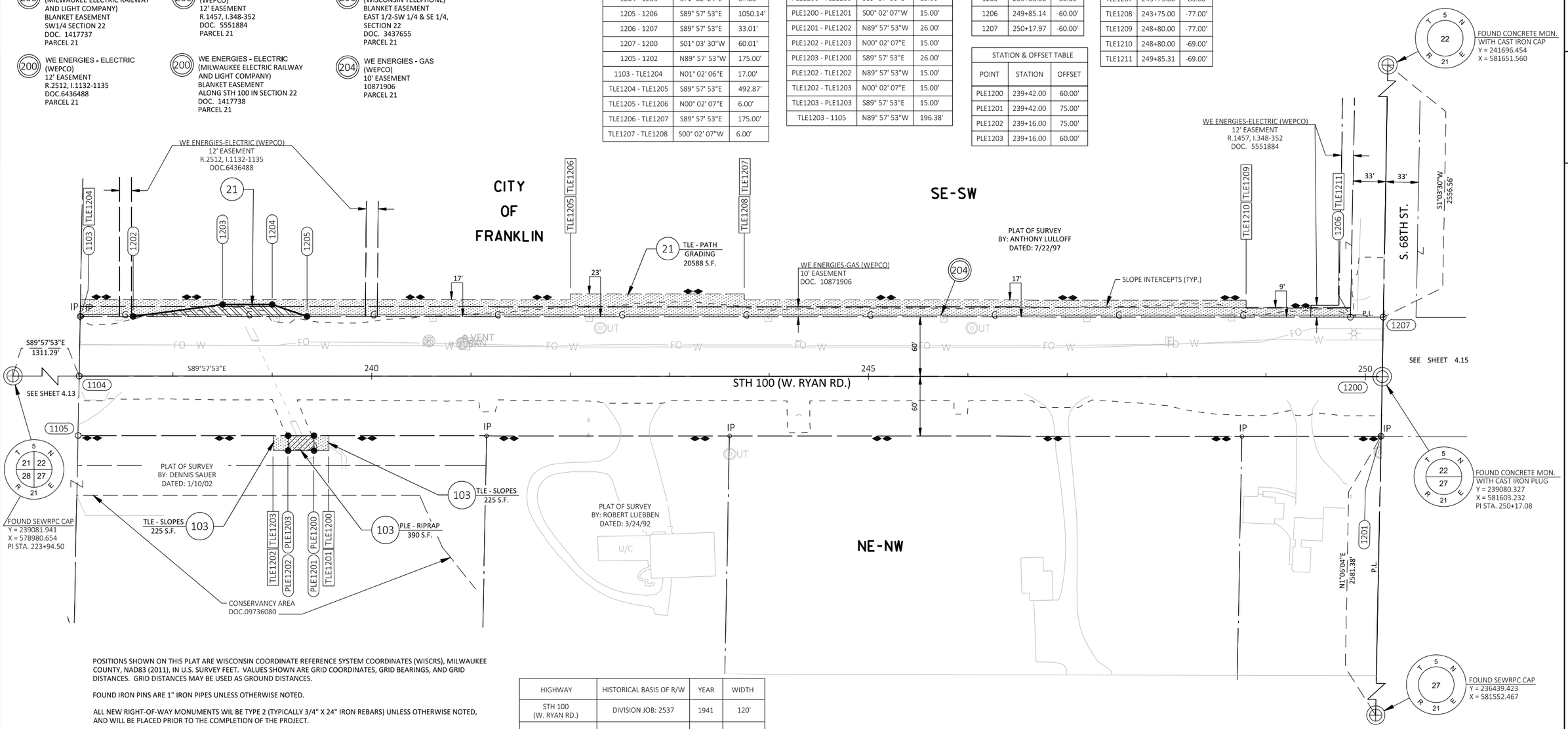
COURSE TABLE		
COURSE	BEARING	DISTANCE
TLE1208 - TLE1209	S89° 57' 53"E	505.00'
TLE1209 - TLE1210	S00° 02' 07"W	8.00'
TLE1210 - TLE1211	S89° 57' 53"E	105.31'
TLE1211 - 1206	S01° 03' 30"W	9.00'
1201 - TLE1200	N89° 57' 53"W	1058.96'
TLE1200 - TLE1201	S00° 02' 07"W	15.00'
TLE1201 - PLE1201	N89° 57' 53"W	15.00'
PLE1200 - TLE1200	S89° 57' 53"E	15.00'
PLE1200 - PLE1201	S00° 02' 07"W	15.00'
PLE1201 - PLE1202	N89° 57' 53"W	26.00'
PLE1202 - PLE1203	N00° 02' 07"E	15.00'
PLE1203 - PLE1200	S89° 57' 53"E	26.00'
PLE1202 - TLE1202	N89° 57' 53"W	15.00'
TLE1202 - TLE1203	N00° 02' 07"E	15.00'
TLE1203 - PLE1203	S89° 57' 53"E	15.00'
TLE1203 - 1105	N89° 57' 53"W	196.38'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
1103	237+06.84	-60.00'
1104	237+05.79	0.00'
1105	237+04.62	60.00'
1201	250+15.96	60.00'
1202	237+60.00	-60.00'
1203	238+50.00	-72.00'
1204	239+00.00	-72.00'
1205	239+35.00	-60.00'
1206	249+85.14	-60.00'
1207	250+17.97	-60.00'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
PLE1200	239+42.00	60.00'
PLE1201	239+42.00	75.00'
PLE1202	239+16.00	75.00'
PLE1203	239+16.00	60.00'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
TLE1200	239+57.00	60.00'
TLE1201	239+57.00	75.00'
TLE1202	239+01.00	75.00'
TLE1203	239+01.00	60.00'
TLE1204	237+07.13	-77.00'
TLE1205	242+00.00	-77.00'
TLE1206	242+00.00	-83.00'
TLE1207	243+75.00	-83.00'
TLE1208	243+75.00	-77.00'
TLE1209	248+80.00	-77.00'
TLE1210	248+80.00	-69.00'
TLE1211	249+85.31	-69.00'

GN



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.

FOUND IRON PINS ARE 1" IRON PIPES UNLESS OTHERWISE NOTED.

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.

EXISTING ACCESS CONTROL ALONG STH 100 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT: CA 059-1(1)

HIGHWAY	HISTORICAL BASIS OF R/W	YEAR	WIDTH
STH 100 (W. RYAN RD.)	DIVISION JOB: 2537	1941	120'
S. 68TH STREET	DIVISION JOB: 2537	1941	120'

REVISION DATE 2/1/23 4/30/24 (N.C.)	DATE 12/13/22	SCALE, FEET 0 50 100	HWY: STH 100	STATE R/W PROJECT NUMBER 2040-15-23/24	PLAT SHEET 4.14	
	GRID FACTOR N/A		COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 2040-15-73	PS&E SHEET 311	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\RW\DWG\040101_RP_TRADITIONAL.DWG
LAYOUT NAME - 4.14
PLOT DATE : 4/30/2024 2:51 PM 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

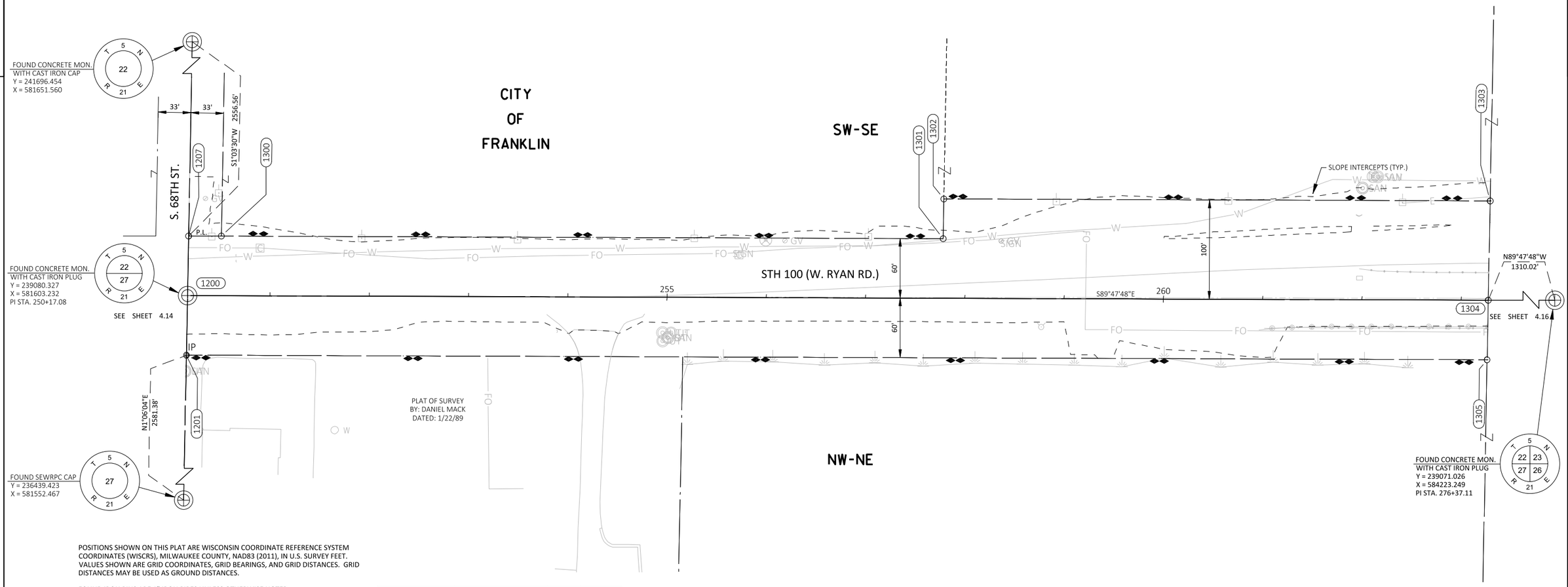
PARCEL NUMBER	PROJECT ID	OWNERS	INTERESTS REQUIRED	R/W S.F REQUIRED NEW	EXISTING	TOTAL	TLE S.F.
34		ELIMINATED	---	---	---	---	---

PI STA = 250+17.08
Y = 239080.327
X = 581603.232
DELTA = 0°10'05" RT

PI STA = 276+37.11
Y = 239071.026
X = 584223.249
DELTA = 0°23'31" LT

COURSE TABLE		
COURSE	BEARING	DISTANCE
1200 - 1207	N01° 03' 30"E	60.01'
1207 - 1300	S89° 47' 30"E	33.00'
1300 - 1301	S89° 47' 48"E	726.90'
1301 - 1302	N01° 03' 30"E	40.00'
1302 - 1303	S89° 47' 48"E	550.21'
1303 - 1304	S01° 06' 48"W	100.01'
1304 - 1305	S01° 04' 08"W	60.01'
1305 - 1201	N89° 47' 48"W	1310.05'
1201 - 1200	N01° 06' 04"E	60.01'

STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y COORDS	X COORDS
1200	250+17.08	0.00'	239080.327	581603.232
1201	250+15.96	60.00'	239020.328	581602.079
1207	250+17.97	-60.00'	239140.326	581604.340
1300	250+50.98	-60.00'	239140.206	581637.344
1301	257+77.87	-60.00'	239137.626	582364.236
1302	257+78.47	-100.00'	239177.623	582364.974
1303	263+28.68	-100.00'	239175.670	582915.184
1304	263+27.10	0.00'	239075.676	582913.240
1305	263+26.19	60.00'	239015.680	582912.121



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.

FOUND IRON PINS ARE 1" IRON PIPES UNLESS OTHERWISE NOTED.

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.

EXISTING ACCESS CONTROL ALONG STH 100 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT: CA 059-1(1)

HIGHWAY	HISTORICAL BASIS OF R/W	YEAR	WIDTH
STH 100 (W. RYAN RD.)	DIVISION JOB: 2537 2040-01-20	1941 2001	120' 120'/160'
S. 68TH STREET	DIVISION JOB: 2537	1941	120'

REVISION DATE
2/1/23
4/30/24 (N.C.)

DATE 12/13/22

GRID FACTOR N/A

SCALE, FEET
0 50 100

HWY: STH 100

COUNTY: MILWAUKEE

STATE R/W PROJECT NUMBER 2040-15-23/24

CONSTRUCTION PROJECT NUMBER 2040-15-73

PLAT SHEET 4.15

PS&E SHEET 312 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\RW\DWG\040101_RP_TRADITIONAL.DWG
LAYOUT NAME - 4.15

PLOT DATE : 4/30/2024 2:51 PM 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	PROJECT ID	OWNERS	INTERESTS REQUIRED	R/W S.F REQUIRED NEW	EXISTING	TOTAL	TLE S.F.
34		ELIMINATED	---	---	---	---	---

PI STA = 250+17.08
Y = 239080.327
X = 581603.232
DELTA = 0°10'05" RT

PI STA = 276+37.11
Y = 239071.026
X = 584223.249
DELTA = 0°23'31" LT

HIGHWAY	HISTORICAL BASIS OF R/W	YEAR	WIDTH
STH 100 (W. RYAN RD.)	DIVISION JOB: 2537	1941	120'
	2040-01-20	2001	160'
	CSM 2247	1973	120'
	CSM 4929	1987	120'
	DOC. 9508641	2006	100' (NORTH)
S. 60TH STREET	CSM 2247	1973	90' (SOUTH)
	CSM 4929	1973	90' (SOUTH)
	DOC. 9508641	2006	100' (NORTH)

COURSE TABLE		
COURSE	BEARING	DISTANCE
1400 - 1401	S17° 56' 49"E	63.14'
1401 - 1305	N89° 47' 48"W	1265.05'
1305 - 1304	N01° 04' 08"E	60.01'
1304 - 1303	N01° 06' 48"E	100.01'
1303 - 1402	S89° 47' 48"E	1210.10'
1402 - 1400	S17° 56' 49"E	105.24'

STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y COORDS	X COORDS
1303	263+28.68	-100.00'	239175.670	582915.184
1304	263+27.10	0.00'	239075.676	582913.240
1305	263+26.19	60.00'	239015.680	582912.121
1400	275+71.57	0.00'	239071.259	584157.703
1401	275+91.23	60.00'	239011.189	584177.159
1402	275+38.78	-100.00'	239171.374	584125.276

GN

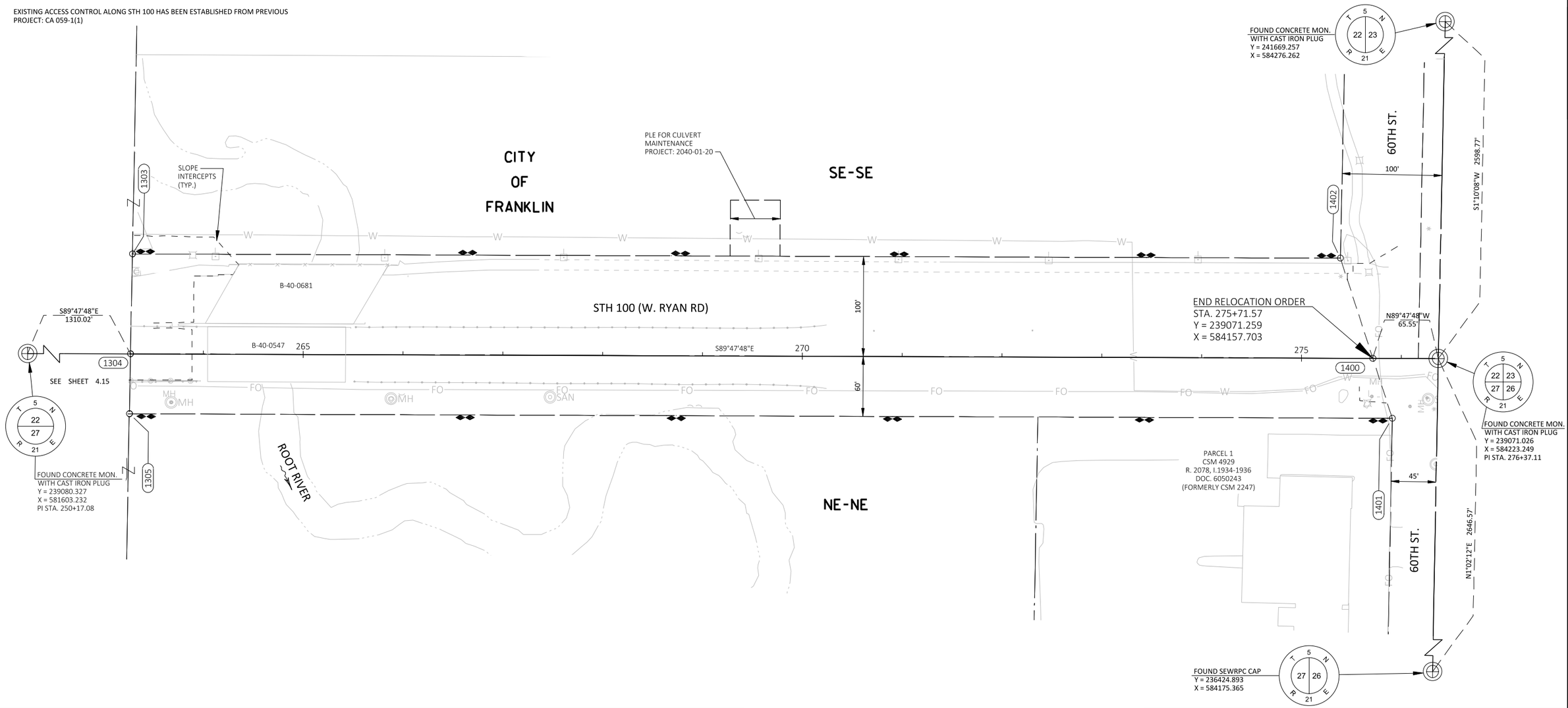
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MILWAUKEE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOUND IRON PINS ARE 1" IRON PIPES UNLESS OTHERWISE NOTED.

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.

EXISTING ACCESS CONTROL ALONG STH 100 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT: CA 059-1(1)

4



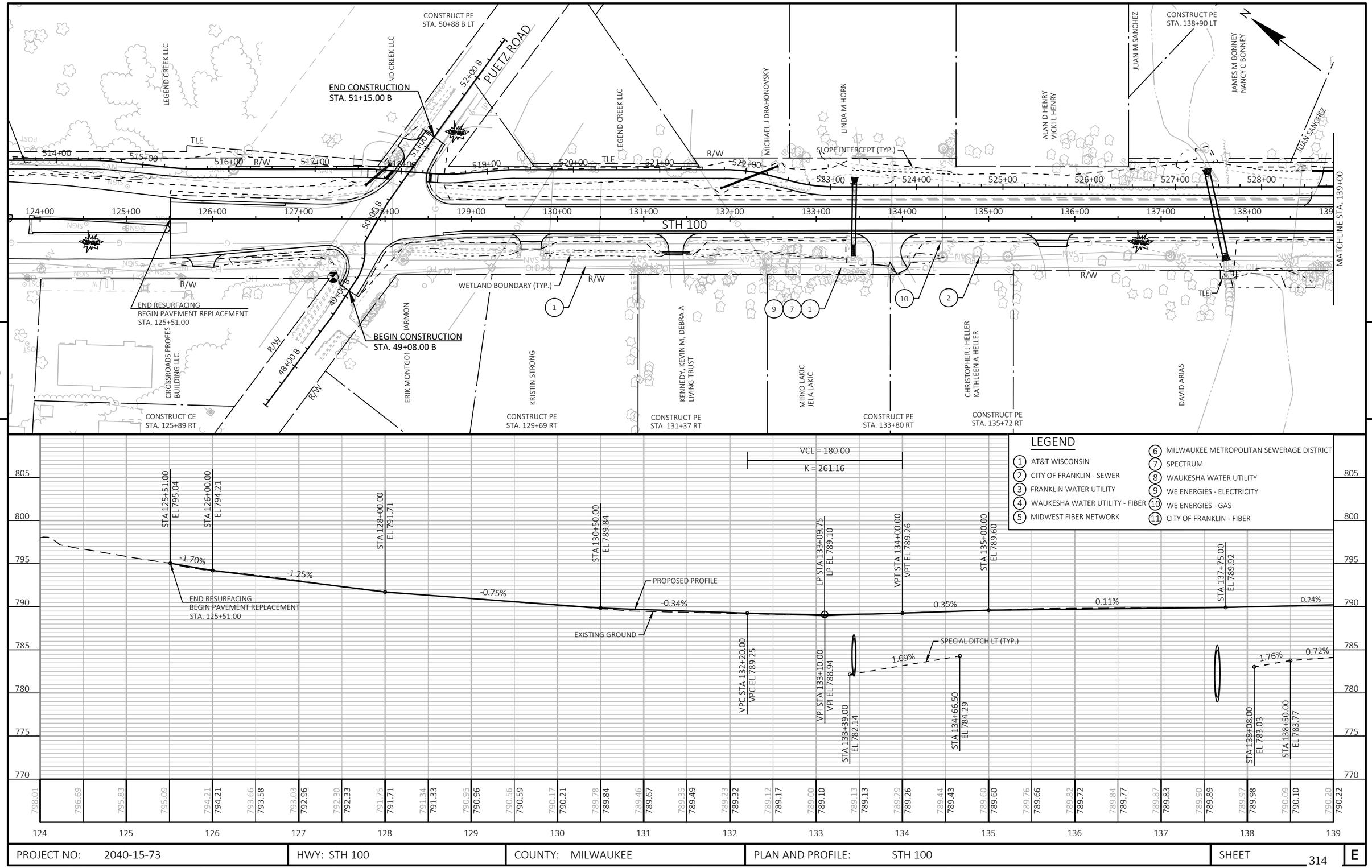
4

REVISION DATE			
2/1/23			
4/30/24 (N.C.)			

DATE 12/13/22	SCALE, FEET 0 50 100	HWY: STH 100	STATE R/W PROJECT NUMBER 2040-15-23/24	PLAT SHEET 4.16	
GRID FACTOR N/A		COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 2040-15-73	PS&E SHEET 313	E

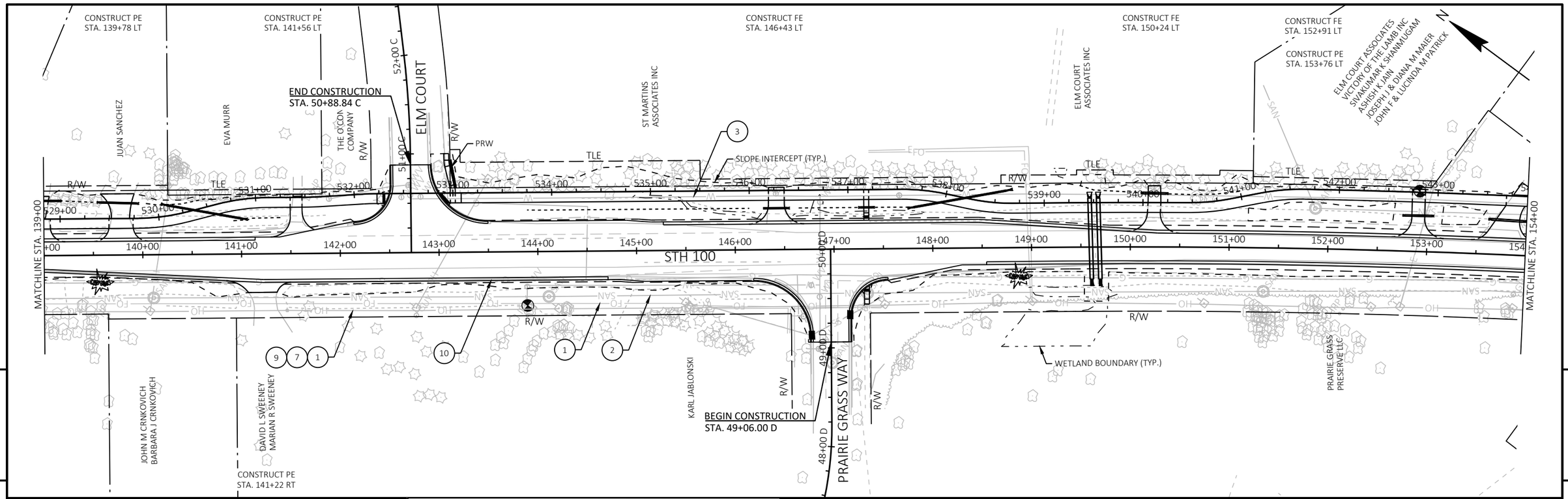
FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\RW\DWG\040101_RP_TRADITIONAL.DWG
LAYOUT NAME - 4.16

PLOT DATE : 4/30/2024 2:52 PM PLOT BY : BARTELT, HEATHER PLOT NAME : PLOT SCALE : 1 IN:50 FT



PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN AND PROFILE: STH 100	SHEET 314 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050101-pp
PLOT DATE : 7/12/2024 10:43 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

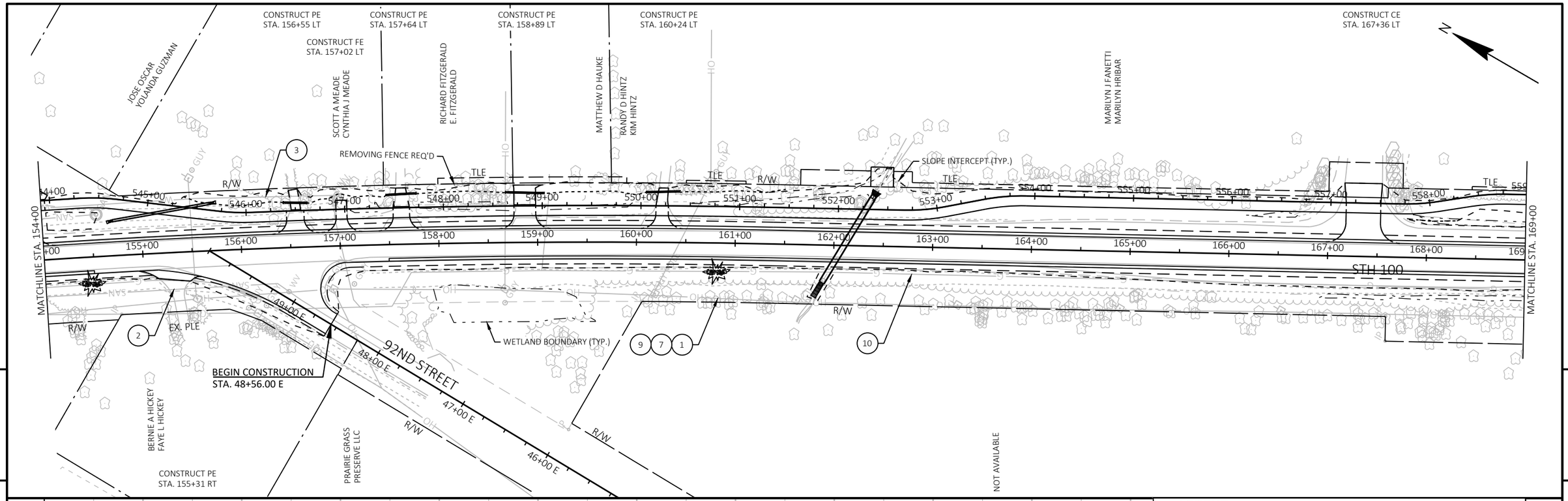


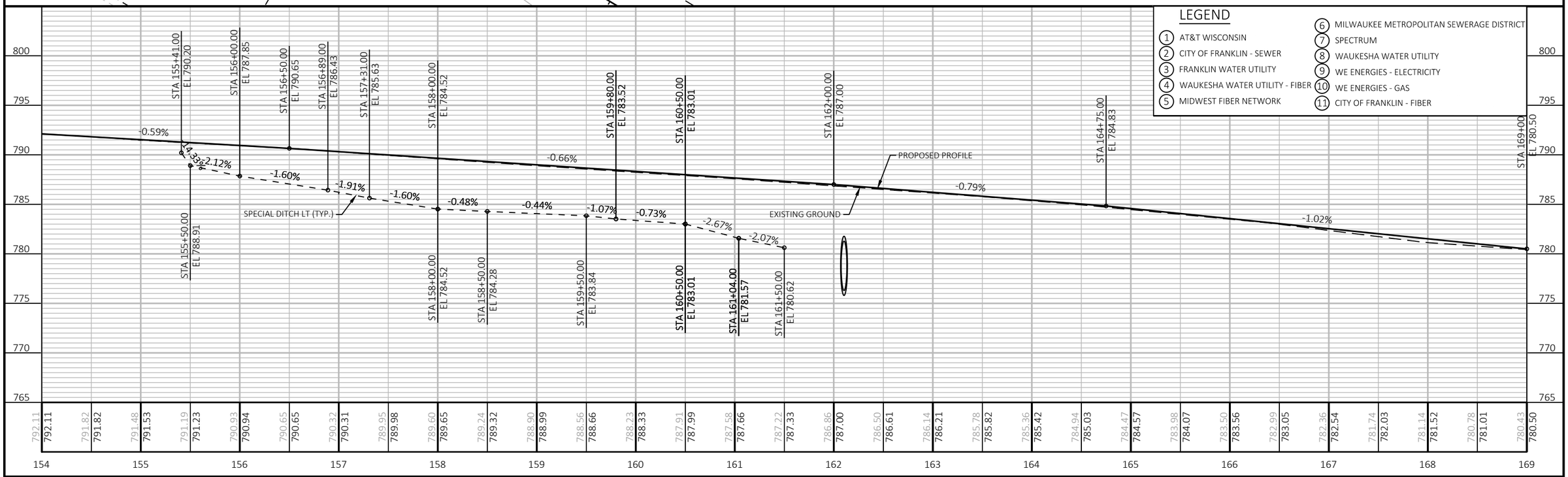
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN AND PROFILE: STH 100	SHEET 315 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050102-pp

PLOT DATE : 7/12/2024 10:44 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT

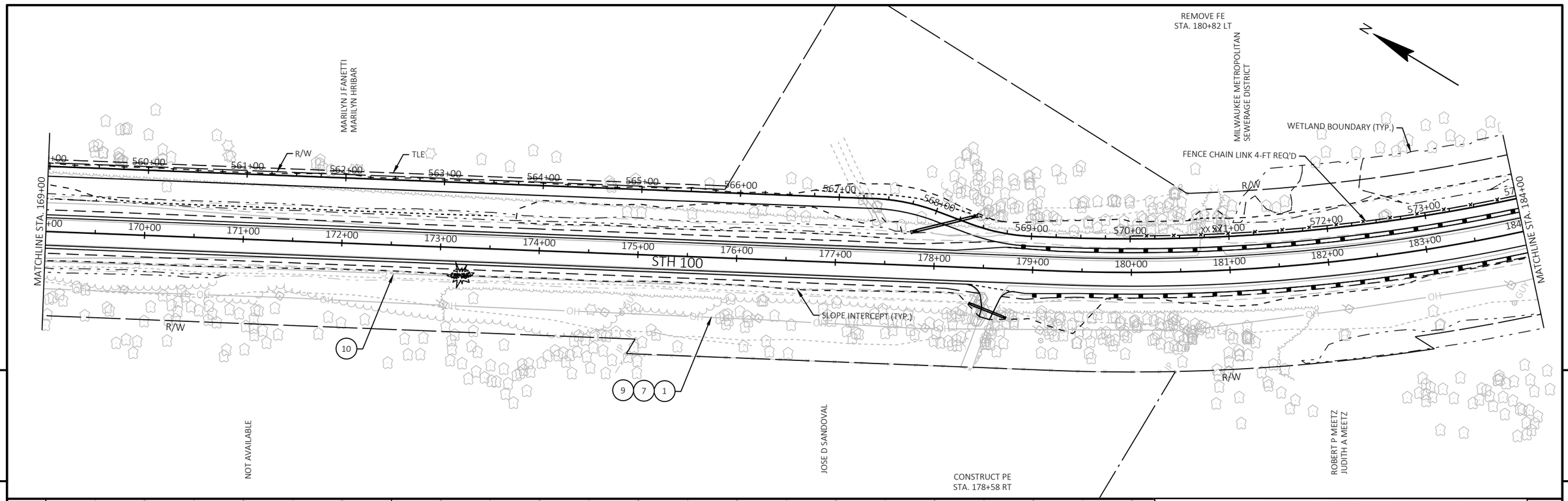
WISDOT/CADDS SHEET 44





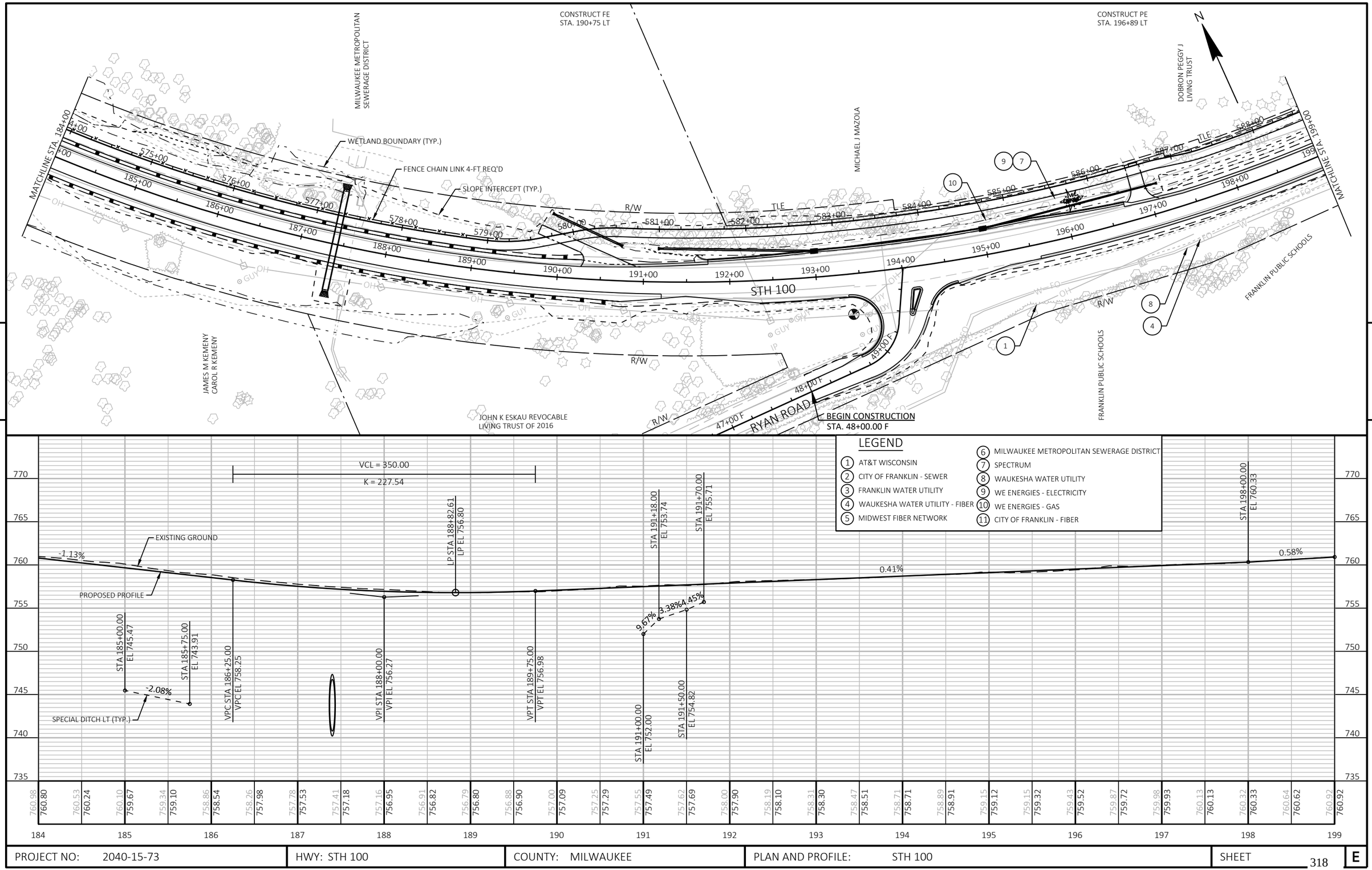
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN AND PROFILE: STH 100	SHEET 316	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050103-pp
PLOT DATE : 7/12/2024 10:45 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN AND PROFILE: STH 100	SHEET 317	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050104-pp
PLOT DATE : 7/12/2024 10:46 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT

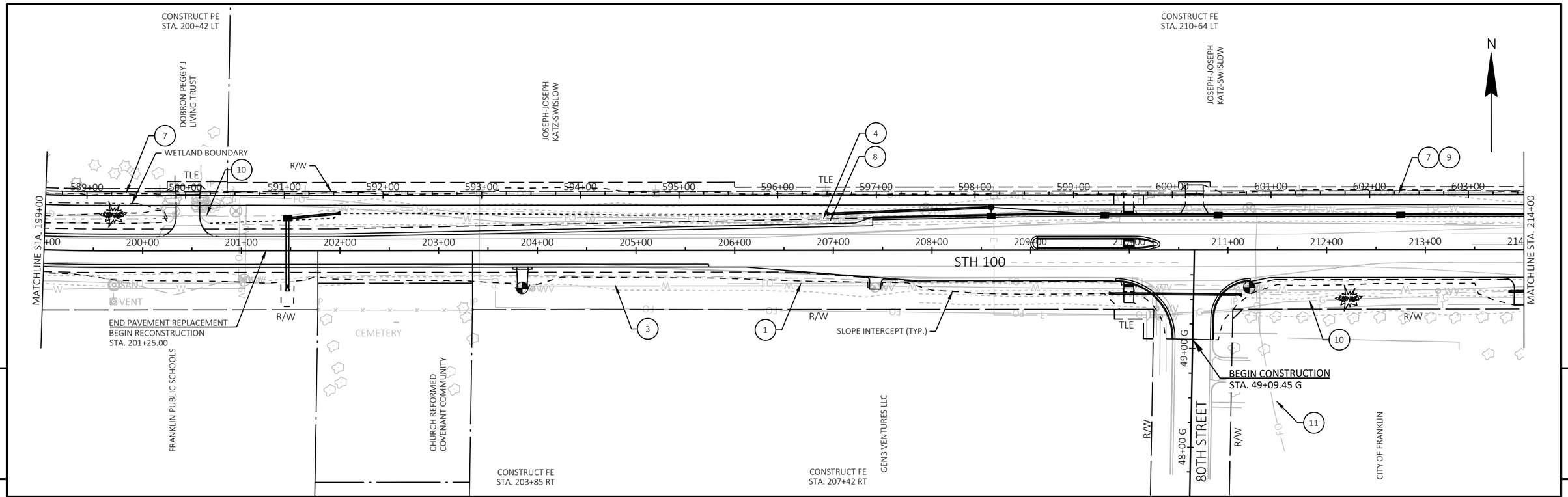


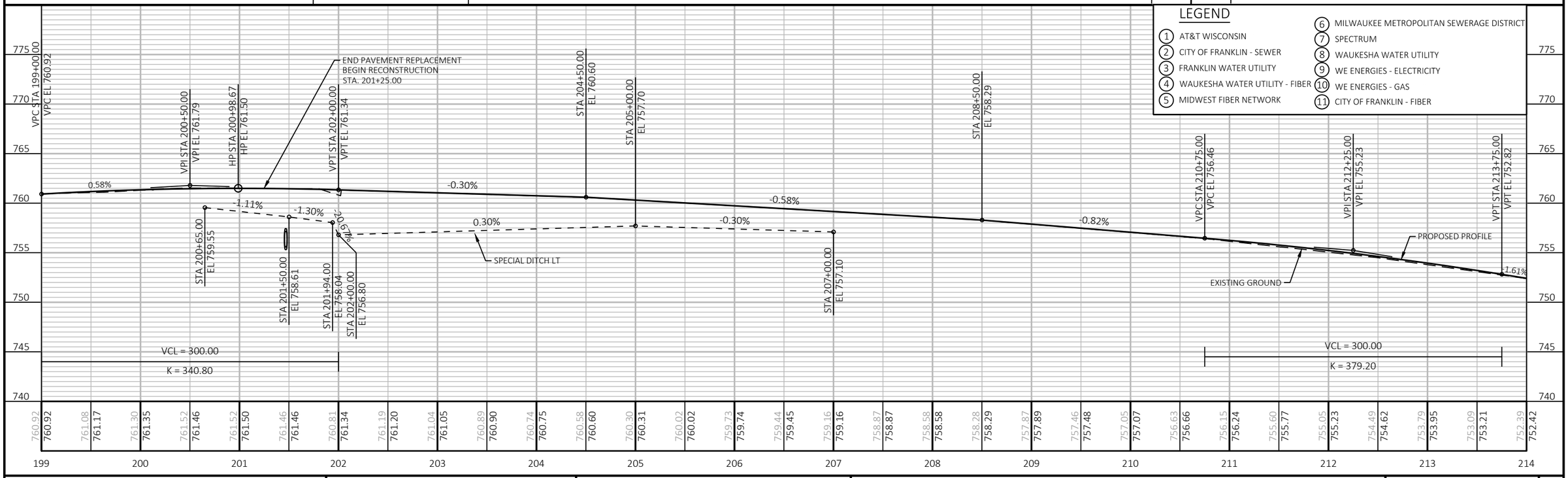
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN AND PROFILE: STH 100	SHEET 318	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050105-pp

PLOT DATE : 7/12/2024 10:47 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN AND PROFILE: STH 100	SHEET 319	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050106-pp
PLOT DATE : 7/12/2024 10:48 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

LEGEND

PETROLEUM-CONTAMINATED SOIL

JOSEPH-JOSEPH
KATZ-SWISLOW

CONSTRUCT FE
STA. 51+97 H LT

CONSTRUCT FE
STA. 51+51 H LT

CONSTRUCT PE
STA. 50+93 H RT

CARMA LABORATORIES INC

CARMA LABORATORIES INC

N

WETLAND BOUNDARY TYP.)

SLOPE INTERCEPT (TYP.)

1'-6' BGS

R/W

TLE

PRW

MATCHLINE STA. 214+00

MATCHLINE STA. 229+00

604+00 605+00 606+00 607+00 608+00 609+00 610+00 611+00 612+00 613+00 614+00 615+00 616+00 617+00 618+00

214+00 215+00 216+00 217+00 218+00 219+00 220+00 221+00 222+00 223+00 224+00 225+00 226+00 227+00 228+00 229

STH 100

52+00 H

51+00 H

50+00 H

49+00 H

48+00 H

76TH STREET (CTH U)

CITY OF FRANKLIN

MAPL STORAGE INC

MAPL STORAGE INC

RONALD SKARIE
PAUL SKARIE

JAMES B O'MALLEY
REVOCABLE TRUST

CONSTRUCT PE
STA. 214+05 RT

CONSTRUCT PE
STA. 216+37 RT

CONSTRUCT PE
STA. 218+95 RT

CONSTRUCT FE
STA. 221+26 RT

CONSTRUCT PE
STA. 48+49 H LT

CONSTRUCT PE
STA. 48+96 H RT

CONSTRUCT FE
STA. 48+06 H RT

CONSTRUCT FE
STA. 228+36 RT

5

5

LEGEND

1. AT&T WISCONSIN
2. CITY OF FRANKLIN - SEWER
3. FRANKLIN WATER UTILITY
4. WAUKESHA WATER UTILITY - FIBER
5. MIDWEST FIBER NETWORK
6. MILWAUKEE METROPOLITAN SEWERAGE DISTRICT
7. SPECTRUM
8. WAUKESHA WATER UTILITY
9. WE ENERGIES - ELECTRICITY
10. WE ENERGIES - GAS
11. CITY OF FRANKLIN - FIBER

750 745 740 735 730 725 720 715

-1.61%

PROPOSED PROFILE

EXISTING GROUND

VPC STA 223+50.00
VPC EL 737.14

-1.52%

-3.68%

SPECIAL
DITCH LT

STA 222+41.00
EL 737.37

STA 223+18.00
EL 736.20

STA 223+52.00
EL 734.95

VPI STA 225+50.00
VPI EL 733.92

VPT STA 227+50.00
VPT EL 726.39

-3.77%

VCL = 400.00

K = 185.39

752.39	751.59	750.79	750.00	749.19	748.23	747.25	746.26	745.36	744.58	743.81	743.03	742.26	741.49	740.71	739.96	739.19	738.42	737.55	736.64	735.78	735.06	734.05	732.80	731.53	730.16	728.28	726.39	724.51	722.63
752.42	751.61	750.81	750.00	749.20	748.39	747.59	746.79	745.98	745.18	744.37	743.57	742.77	741.96	741.16	740.35	739.55	738.74	737.94	737.14	736.26	735.26	734.12	732.84	731.43	729.88	728.20	726.39	724.50	722.62

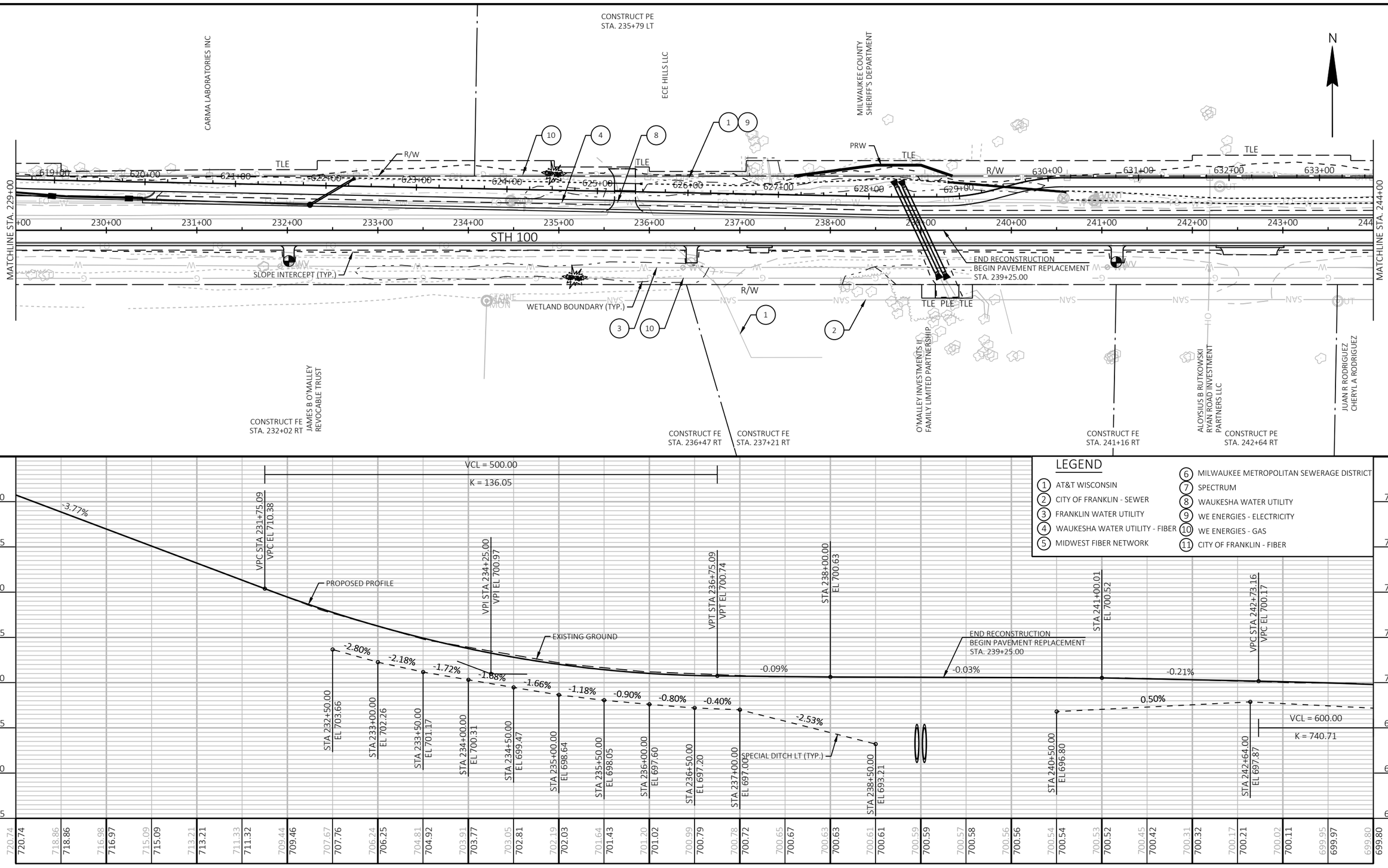
214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN AND PROFILE: STH 100	SHEET 320	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050107-pp

PLOT DATE : 7/12/2024 10:49 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

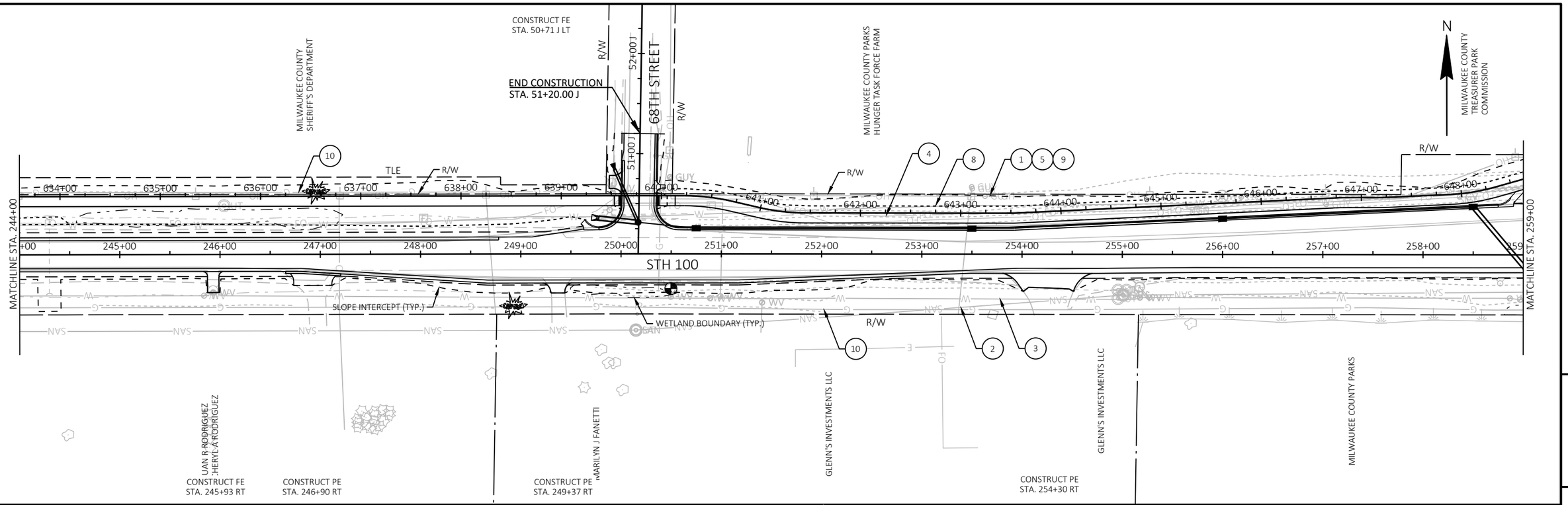


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN AND PROFILE: STH 100	SHEET 321 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050108-pp

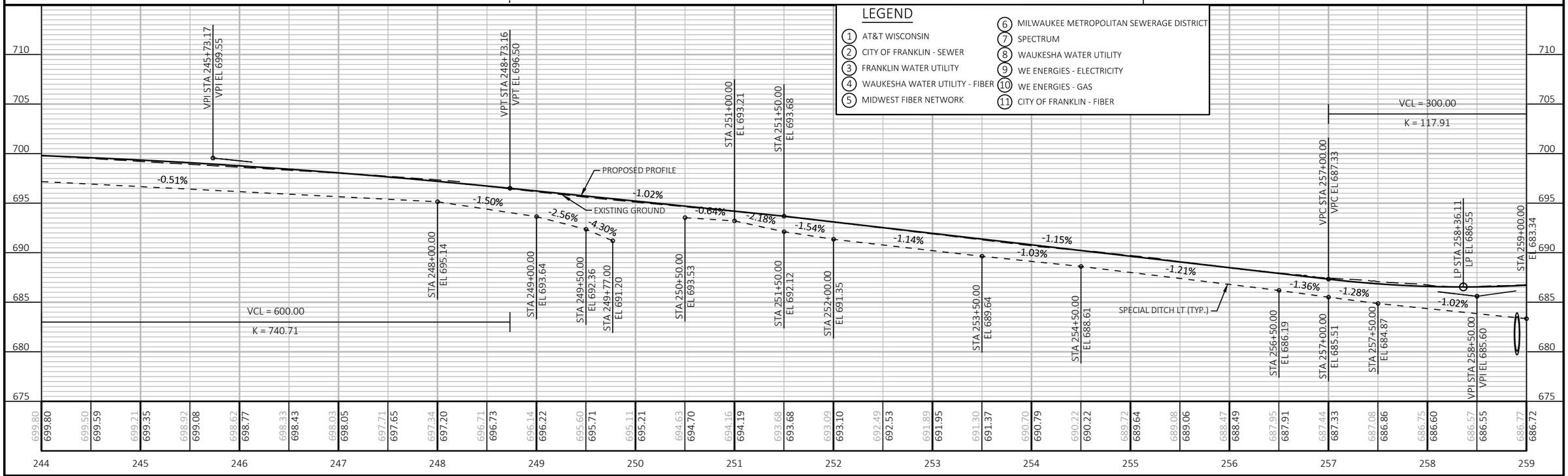
PLOT DATE : 7/12/2024 10:50 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



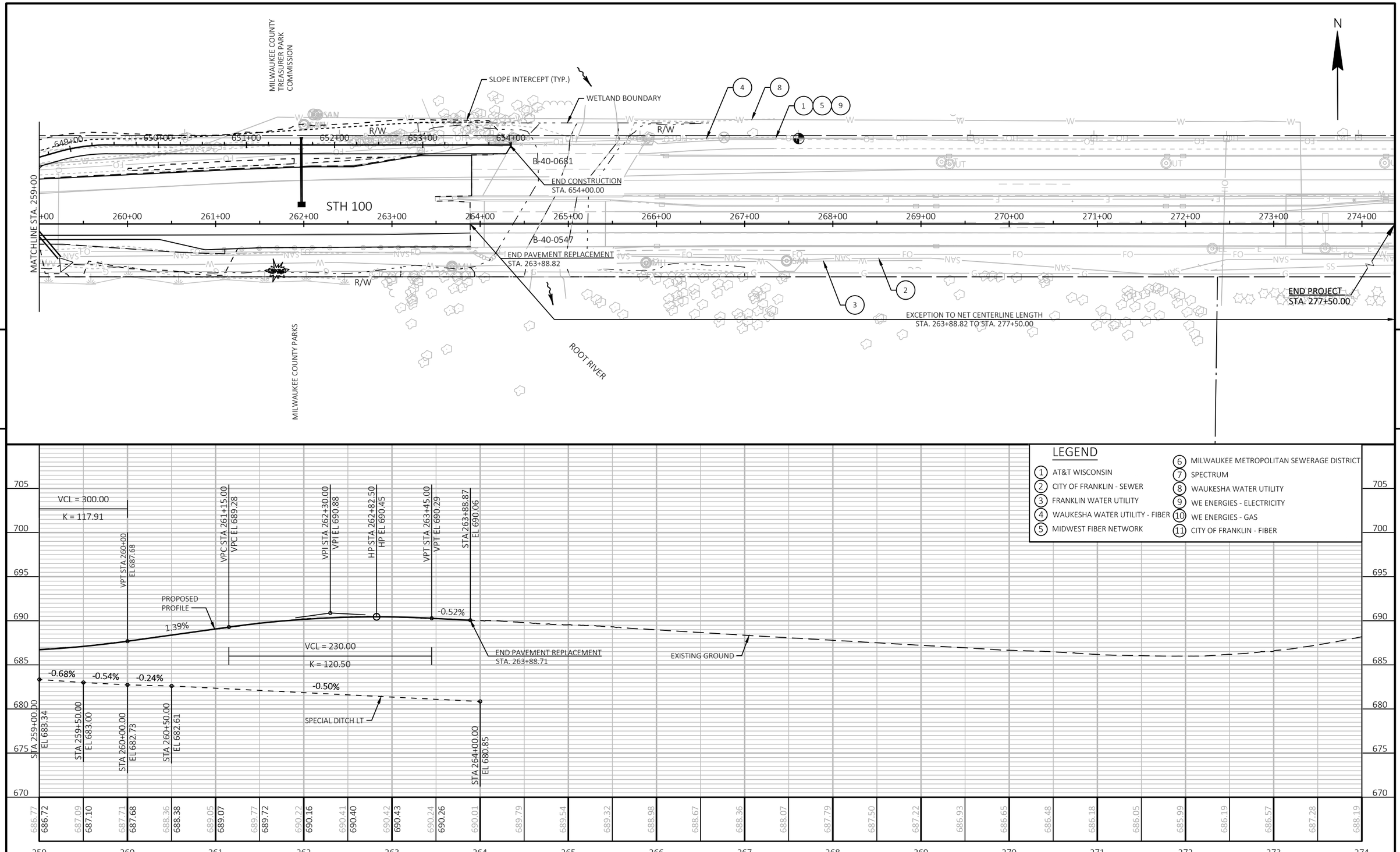
5

5



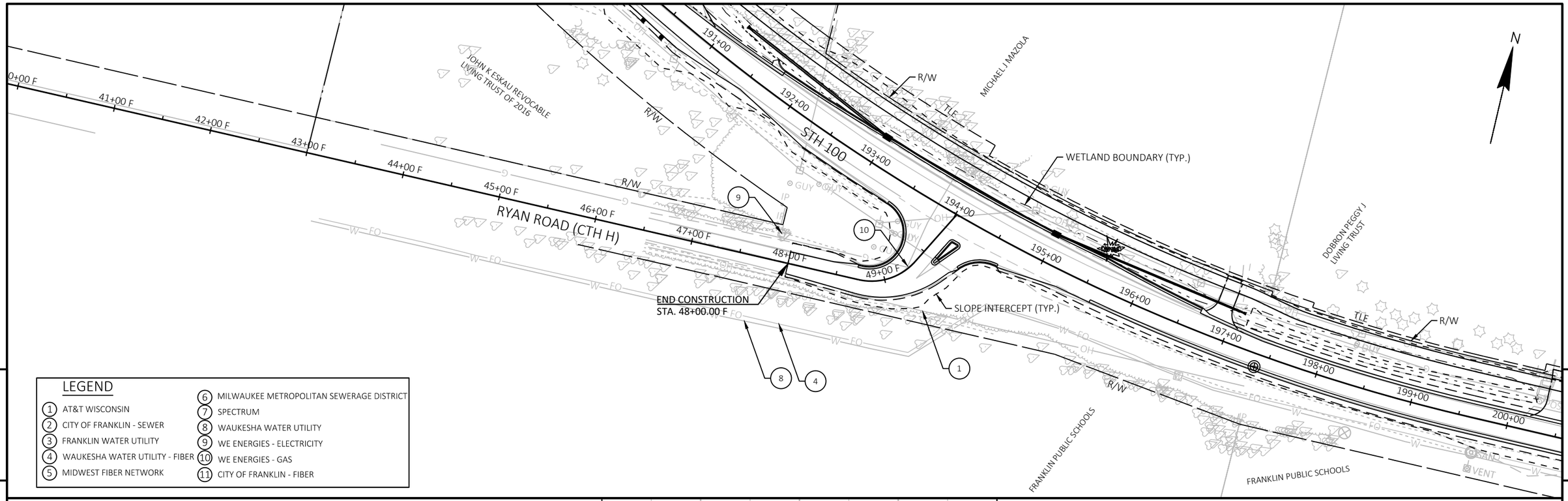
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN AND PROFILE: STH 100	SHEET 322	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050109-pp
PLOT DATE : 7/12/2024 10:51 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



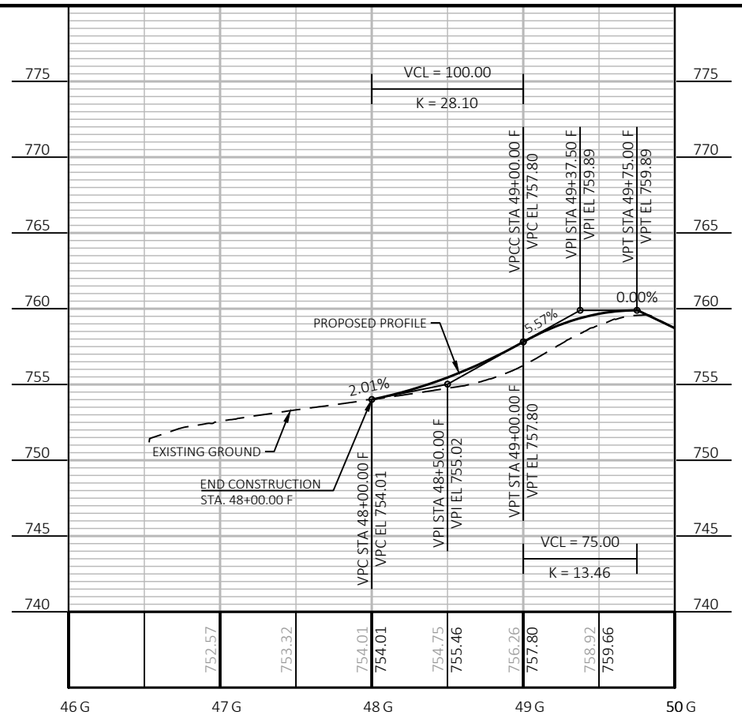
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN AND PROFILE: STH 100	SHEET 323	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050110-pp
PLOT DATE : 7/12/2024 10:52 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



LEGEND

1. AT&T WISCONSIN
2. CITY OF FRANKLIN - SEWER
3. FRANKLIN WATER UTILITY
4. WAUKESHA WATER UTILITY - FIBER
5. MIDWEST FIBER NETWORK
6. MILWAUKEE METROPOLITAN SEWERAGE DISTRICT
7. SPECTRUM
8. WAUKESHA WATER UTILITY
9. WE ENERGIES - ELECTRICITY
10. WE ENERGIES - GAS
11. CITY OF FRANKLIN - FIBER



PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN AND PROFILE: RYAN ROAD	SHEET 324 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 050121-pp
PLOT DATE : 7/12/2024 10:54 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

CONSTRUCT PE
STA. 40+76 H LT

CONSTRUCT PE
STA. 42+44 H LT

CONSTRUCT PE
STA. 46+06 H LT

N

R/W

BEGIN CONSTRUCTION
STA. 40+19.22 H

SLOPE INTERCEPT (TYP.)

76TH STREET (CTH U)

41+00 H | 42+00 H | 43+00 H | 44+00 H | 45+00 H | 46+00 H | 47+00 H

MATCHLINE STA. 47+50 G

R/W

WETLAND BOUNDARY (TYP.)

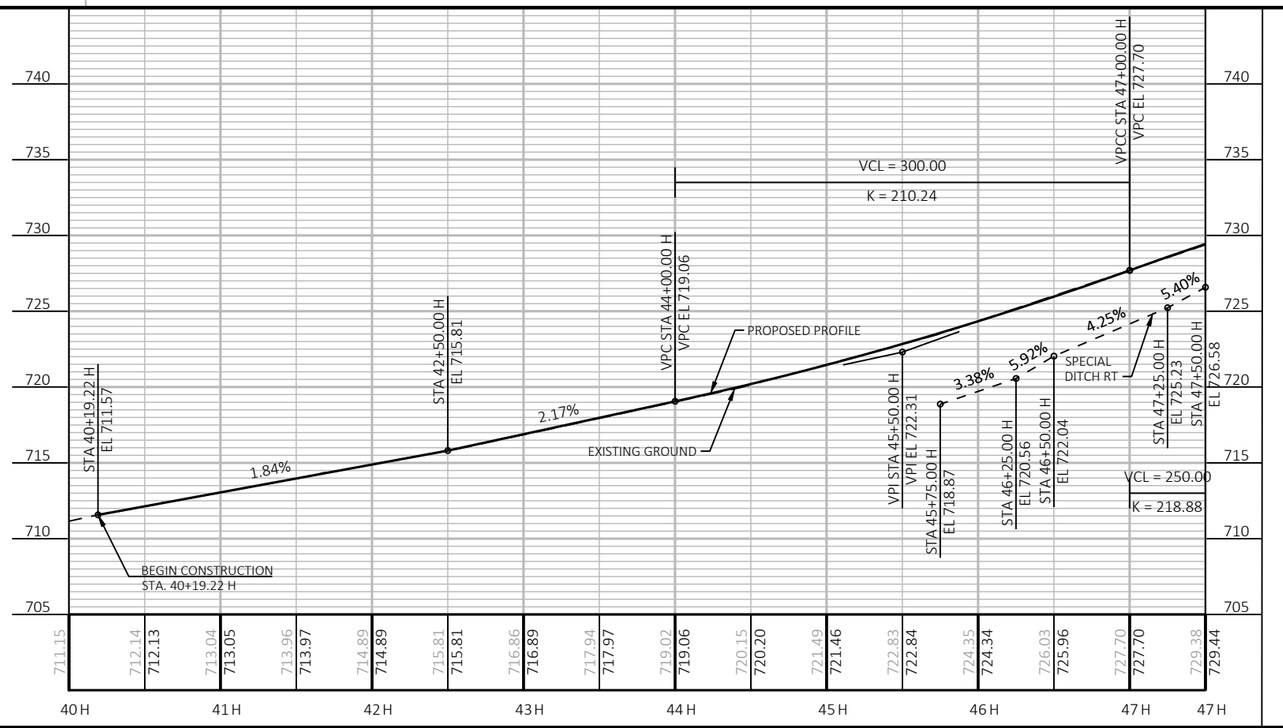
SPECIAL DITCH RT (TYP.)

10 9 7 1

LEGEND

1. AT&T WISCONSIN
2. CITY OF FRANKLIN - SEWER
3. FRANKLIN WATER UTILITY
4. WAUKESHA WATER UTILITY - FIBER
5. MIDWEST FIBER NETWORK
6. MILWAUKEE METROPOLITAN SEWERAGE DISTRICT
7. SPECTRUM
8. WAUKESHA WATER UTILITY
9. WE ENERGIES - ELECTRICITY
10. WE ENERGIES - GAS
11. CITY OF FRANKLIN - FIBER

CONSTRUCT FE
STA. 46+68 H RT



PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN AND PROFILE: 76TH STREET	SHEET 325	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 050122-pp

PLOT DATE : 7/12/2024 10:55 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

RONALD SKARIE
PAUL SKARIE

CONSTRUCT FE
STA. 51+51 H LT

CONSTRUCT FE
STA. 51+97 H LT

CONSTRUCT FE
STA. 55+06 H LT

CONSTRUCT PE
STA. 58+09 H LT

N

222+00
223+00
224+00
225+00
226+00

TLE
PRW
R/W

1 7 9
10
WETLAND BOUNDARY (TYP.)
SLOPE INTERCEPT (TYP.)
END CONSTRUCTION
STA. 58+24.34 H

MATCHLINE STA. 47+50 G

48+00 H 49+00 H 50+00 H 51+00 H 52+00 H 53+00 H 54+00 H 55+00 H 56+00 H 57+00 H 58+00 H 59+00 H

76TH STREET (CTH U)

1 11

STH 100

CARMA LABORATORIES INC

CONSTRUCT FE
STA. 48+06 H RT

CONSTRUCT PE
STA. 48+96 H RT

JAMES B O'MALLEY

CONSTRUCT PE
STA. 50+93 H RT

CONSTRUCT FE
STA. 54+34 H RT

CONSTRUCT FE
STA. 56+25 H RT

LEGEND

1. AT&T WISCONSIN
2. CITY OF FRANKLIN - SEWER
3. FRANKLIN WATER UTILITY
4. WAUKESHA WATER UTILITY - FIBER
5. MIDWEST FIBER NETWORK
6. MILWAUKEE METROPOLITAN SEWERAGE DISTRICT
7. SPECTRUM
8. WAUKESHA WATER UTILITY
9. WE ENERGIES - ELECTRICITY
10. WE ENERGIES - GAS
11. CITY OF FRANKLIN - FIBER

5

5

VCL = 250.00
K = 218.88

VCL = 250.00
K = 98.92

VCL = 200.00
K = 210.59

VPI STA 48+25.00 H
VPI EL 732.19

VPT STA 49+50.00 H
VPT EL 735.26
STA 49+75.99 H
EL 735.89

STA 50+42.00 H
EL 736.77

VPC STA 50+50.00 H
VPC EL 736.85

VPI STA 51+75.00 H
VPI EL 738.06

VPT STA 53+00.00 H
VPT EL 742.43
VPC STA 53+25.00 H
VPC EL 743.31

VPI STA 54+25.00 H
VPI EL 746.80

VPT STA 55+25.00 H
VPT EL 749.35

STA 57+00.00 H
EL 753.81

STA 58+24.34 H
EL 756.46

END CONSTRUCTION
STA. 58+24.34 H

EXISTING GROUND
PROPOSED PROFILE

2.45% 0.97% 3.50% 2.55% 2.13%

755	750	745	740	735	730	725	720

729.38	729.44	731.06	731.06	732.73	732.58	734.07	733.97	735.02	735.26	735.85	736.36	735.95	736.85	736.94	737.46	738.16	738.32	739.71	739.44	741.27	740.81	742.82	742.43	744.37	744.17	745.84	745.80	747.24	747.31	748.65	748.70	750.01	749.99	751.26	751.26	752.52	752.54	753.77	753.81	754.86	754.87	755.94	755.94	757.00

47 H 48 H 49 H 50 H 51 H 52 H 53 H 54 H 55 H 56 H 57 H 58 H 59 H 60 H

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN AND PROFILE: 76TH STREET	SHEET 326	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 050123-pp

PLOT DATE : 7/12/2024 10:56 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

CONSTRUCT FE
STA. 50+71 J LT

N

MARILYN J FANETTI

GLENN'S INVESTMENTS LLC

MILWAUKEE COUNTY PARKS
HUNGER TASK FORCE FARM

STH 100

68TH STREET

248+00
249+00
250+00
251+00
252+00

TLE
R/W
SAN
G
W
OHU
GUY

3
END CONSTRUCTION
STA. 51+20.00 J

51+00 J
52+00 J
53+00 J
54+00 J
55+00 J
56+00 J
57+00 J
58+00 J
59+00 J

10
1 5 9

SLOPE INTERCEPT (TYP.)

LEGEND

1. AT&T WISCONSIN
2. CITY OF FRANKLIN - SEWER
3. FRANKLIN WATER UTILITY
4. WAUKESHA WATER UTILITY - FIBER
5. MIDWEST FIBER NETWORK
6. MILWAUKEE METROPOLITAN SEWERAGE DISTRICT
7. SPECTRUM
8. WAUKESHA WATER UTILITY
9. WE ENERGIES - ELECTRICITY
10. WE ENERGIES - GAS
11. CITY OF FRANKLIN - FIBER

5

5

715
710
705
700
695
690
685
680

VCL = 50.00
K = 9.20

STA.50+23.94 J
EL 694.55

STA.51+20.00 J
EL 699.32

EXISTING GROUND

6.44%

1.00%

END CONSTRUCTION
STA. 51+20.00 J

PROPOSED PROFILE

VPC STA 50+25.00 J
VPC EL 694.56
VPI STA 50+50.00 J
VPI EL 694.81
VPT STA 50+75.00 J
VPT EL 696.42

694.94
695.31
695.15
698.10
698.03
700.98
703.51

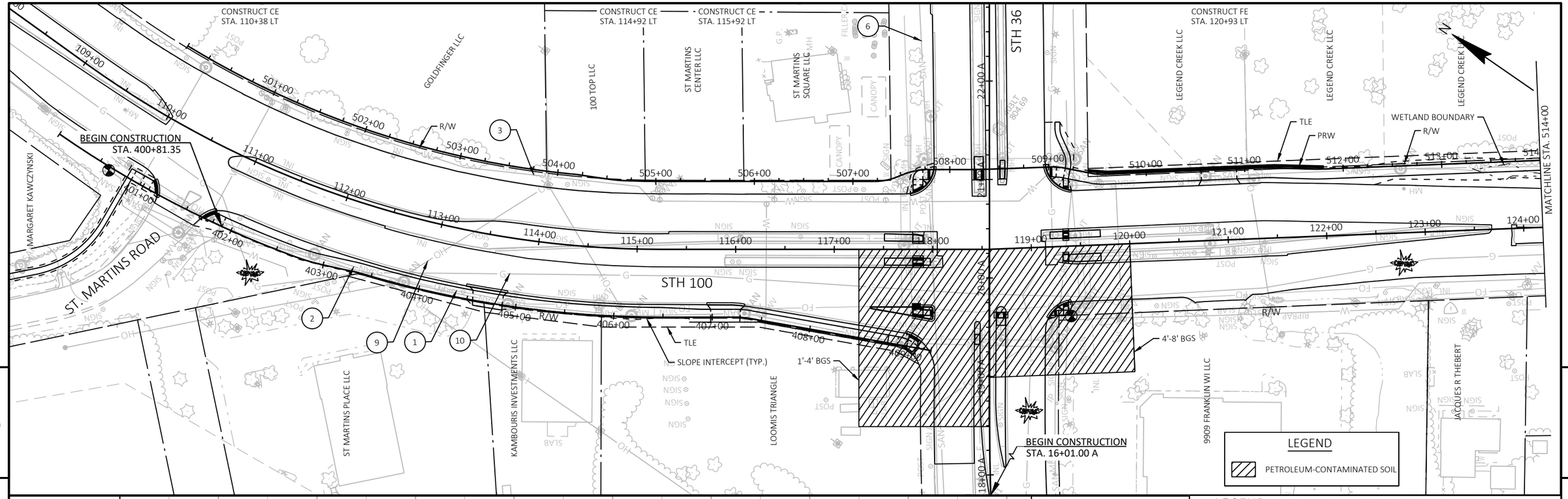
50 J
51 J
52 J
53 J
54 J
55 J
56 J
57 J
58 J
59 J
60 J

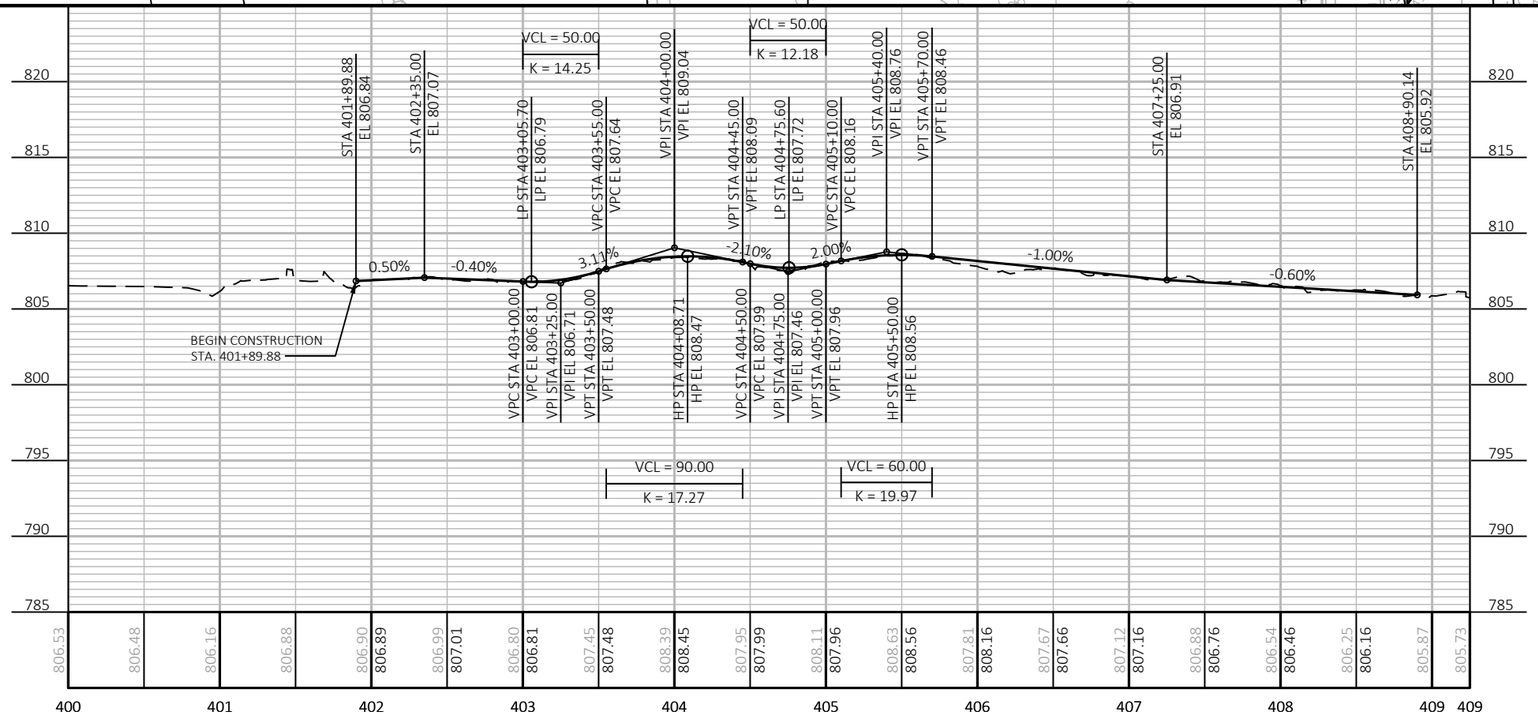
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN AND PROFILE: 68TH STREET	SHEET 327	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 050124-pp

PLOT DATE : 7/12/2024 10:56 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44





LEGEND

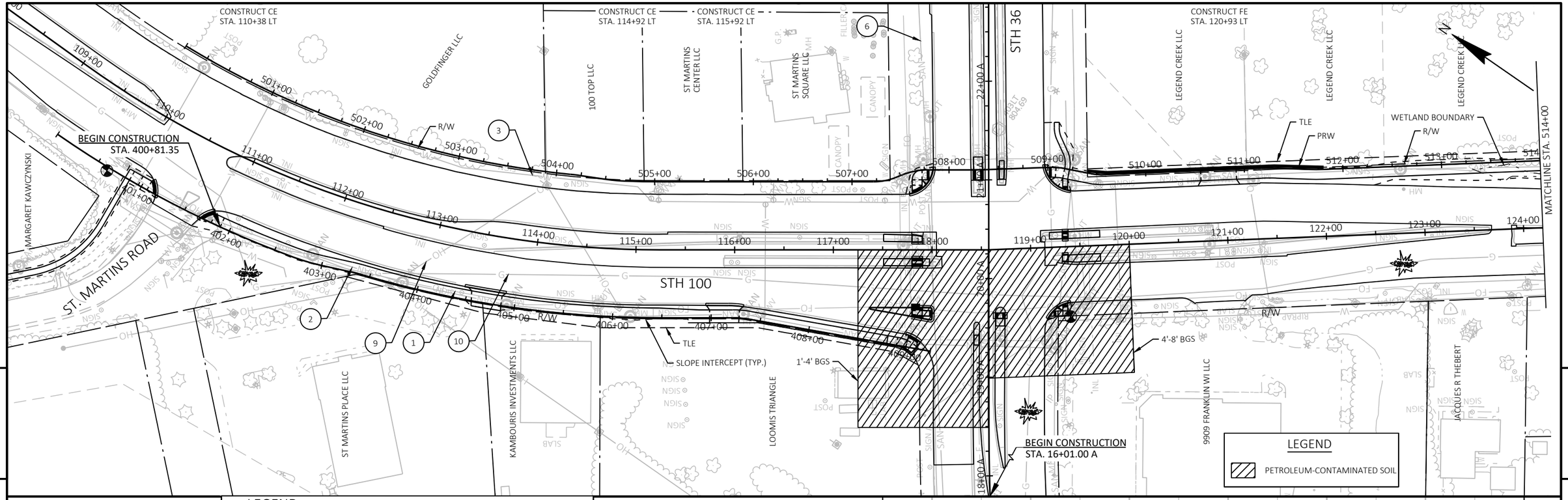
(1) AT&T WISCONSIN	(6) MILWAUKEE METROPOLITAN SEWERAGE DISTRICT
(2) CITY OF FRANKLIN - SEWER	(7) SPECTRUM
(3) FRANKLIN WATER UTILITY	(8) WAUKESHA WATER UTILITY
(4) WAUKESHA WATER UTILITY - FIBER	(9) WE ENERGIES - ELECTRICITY
(5) MIDWEST FIBER NETWORK	(10) WE ENERGIES - GAS
	(11) CITY OF FRANKLIN - FIBER

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN AND PROFILE: MULTIUSE PATH	SHEET 328	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050141-pp

PLOT DATE : 7/12/2024 10:58 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

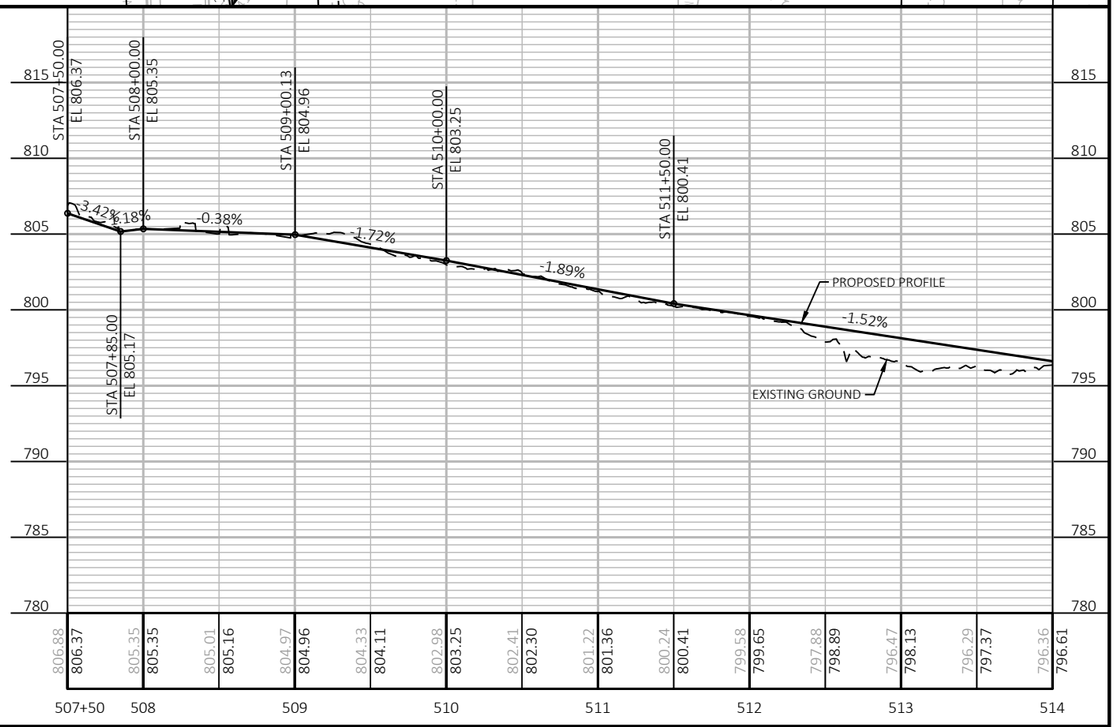


5

5

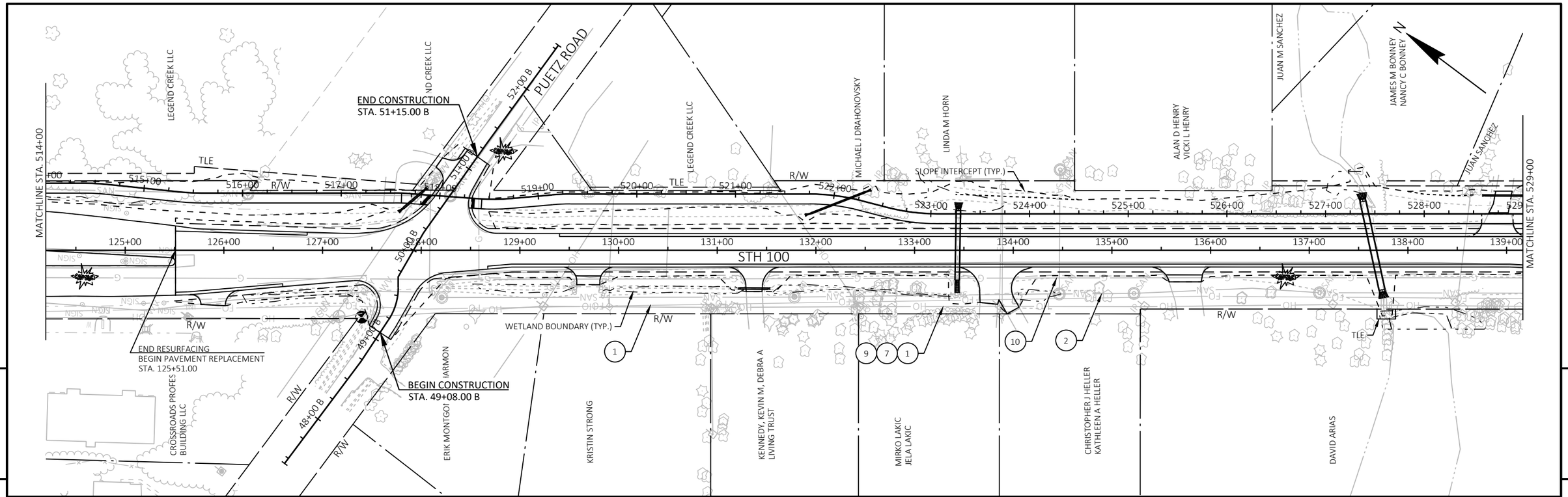
LEGEND

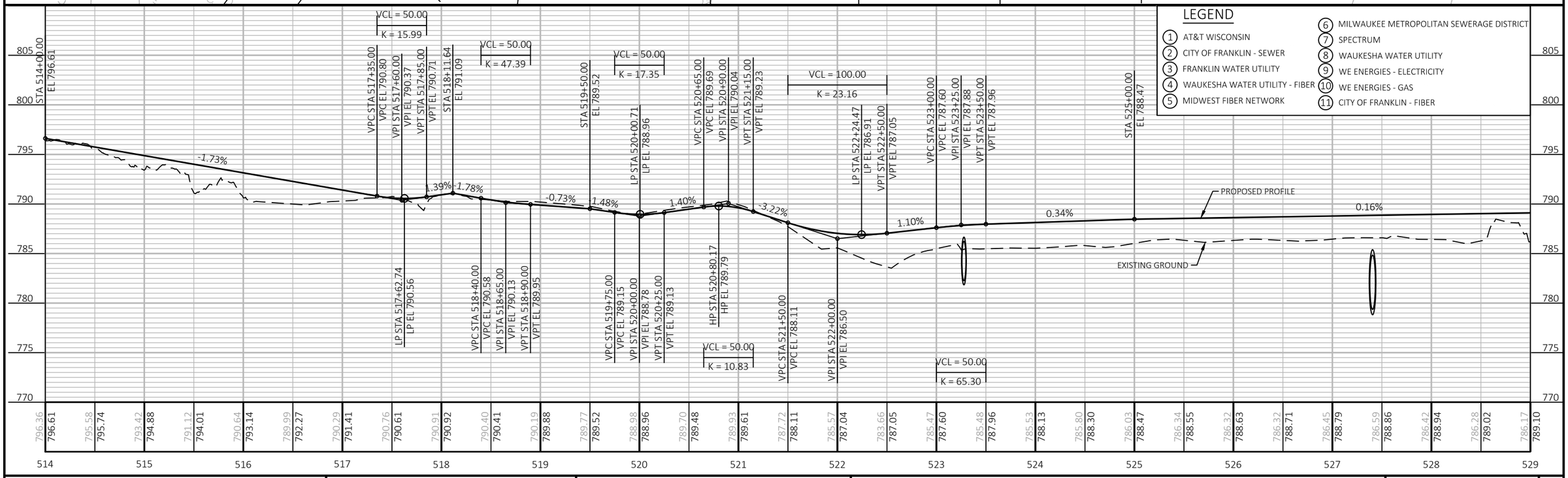
1. AT&T WISCONSIN
2. CITY OF FRANKLIN - SEWER
3. FRANKLIN WATER UTILITY
4. WAUKESHA WATER UTILITY - FIBER
5. MIDWEST FIBER NETWORK
6. MILWAUKEE METROPOLITAN SEWERAGE DISTRICT
7. SPECTRUM
8. WAUKESHA WATER UTILITY
9. WE ENERGIES - ELECTRICITY
10. WE ENERGIES - GAS
11. CITY OF FRANKLIN - FIBER



PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN AND PROFILE: MULTIUSE PATH	SHEET 329	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050151-pp
PLOT DATE : 7/12/2024 11:00 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

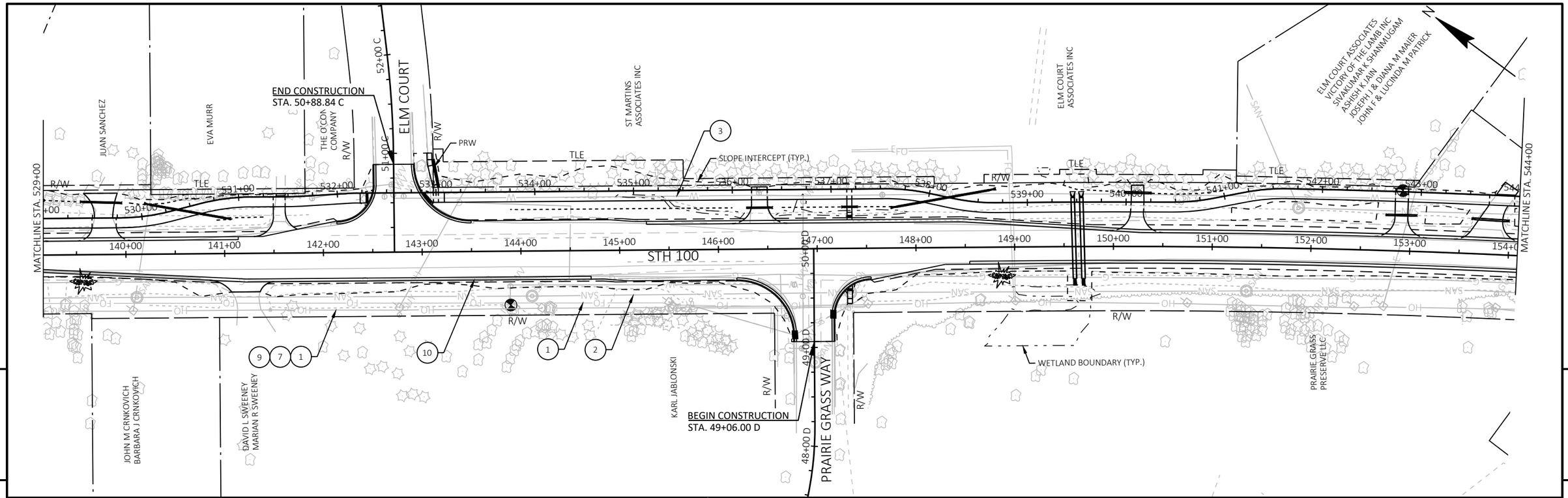


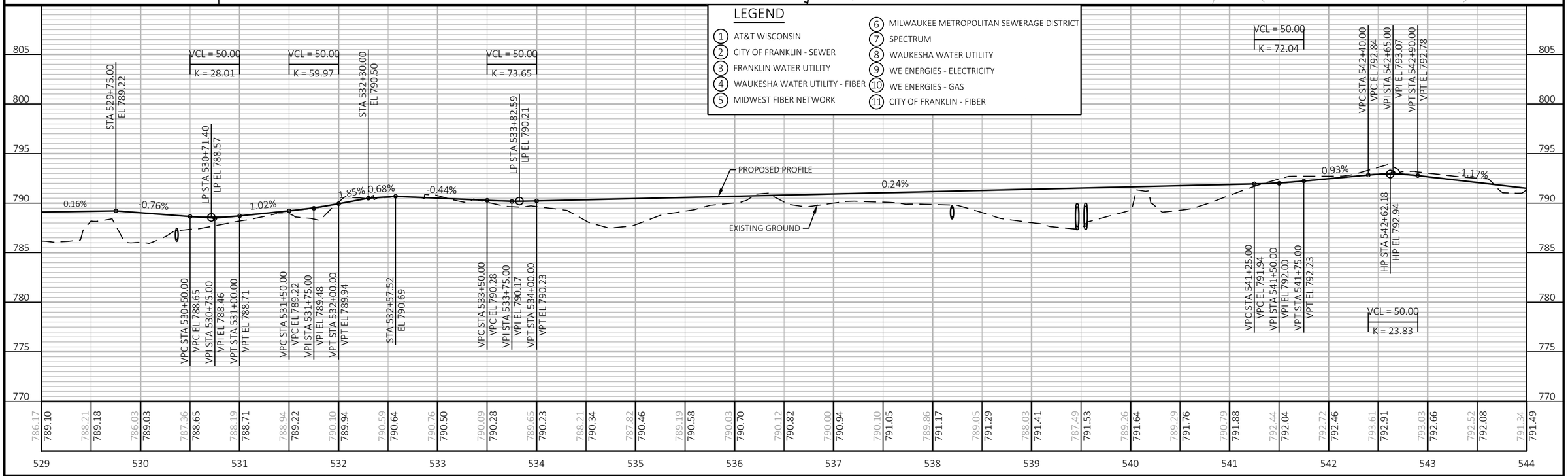


796.36	795.58	793.42	791.12	790.64	789.99	790.29	790.76	790.91	790.40	790.19	789.77	788.98	789.70	789.93	787.72	785.57	783.66	785.47	785.48	785.53	785.80	786.03	786.34	786.32	786.45	786.59	786.42	786.28	786.17
796.61	795.74	794.88	794.01	793.14	792.27	791.41	790.61	790.92	790.41	789.88	789.52	788.96	789.48	789.61	788.11	787.04	787.05	787.60	787.96	788.13	788.30	788.47	788.55	788.63	788.71	788.79	788.86	788.94	789.02	789.10
514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529														

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN AND PROFILE: MULTIUSE PATH	SHEET 330 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050152-pp
PLOT DATE : 7/12/2024 11:01 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT

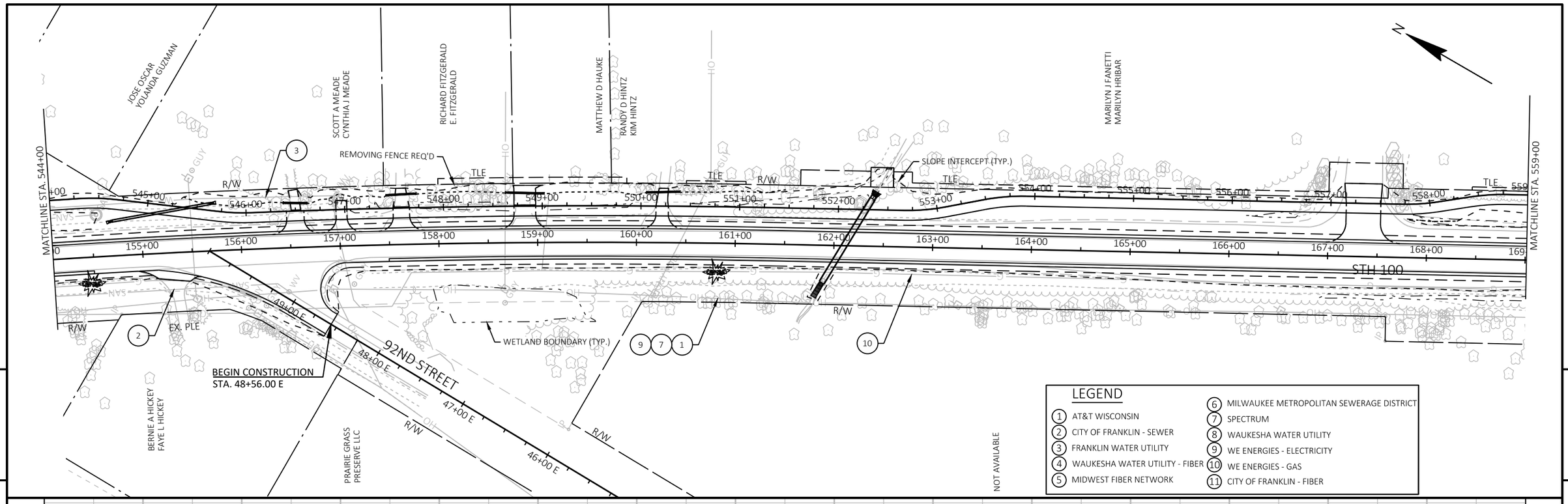




PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN AND PROFILE: MULTIUSE PATH	SHEET 331 E

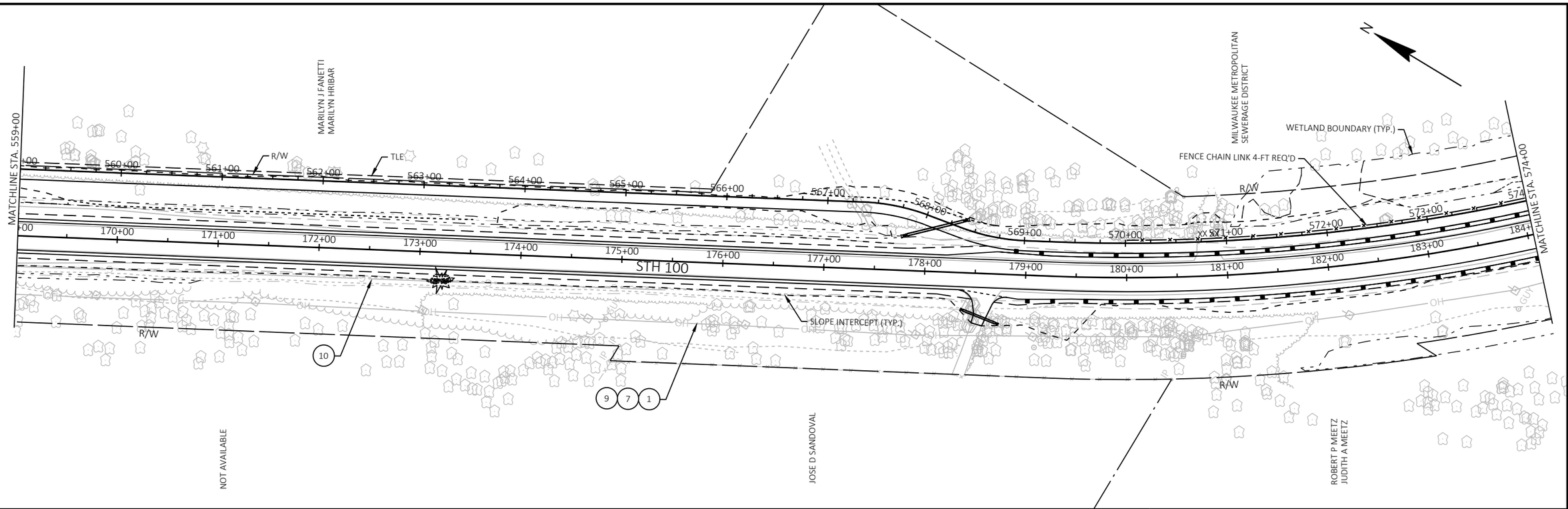
FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050153-pp
PLOT DATE : 7/12/2024 11:03 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT

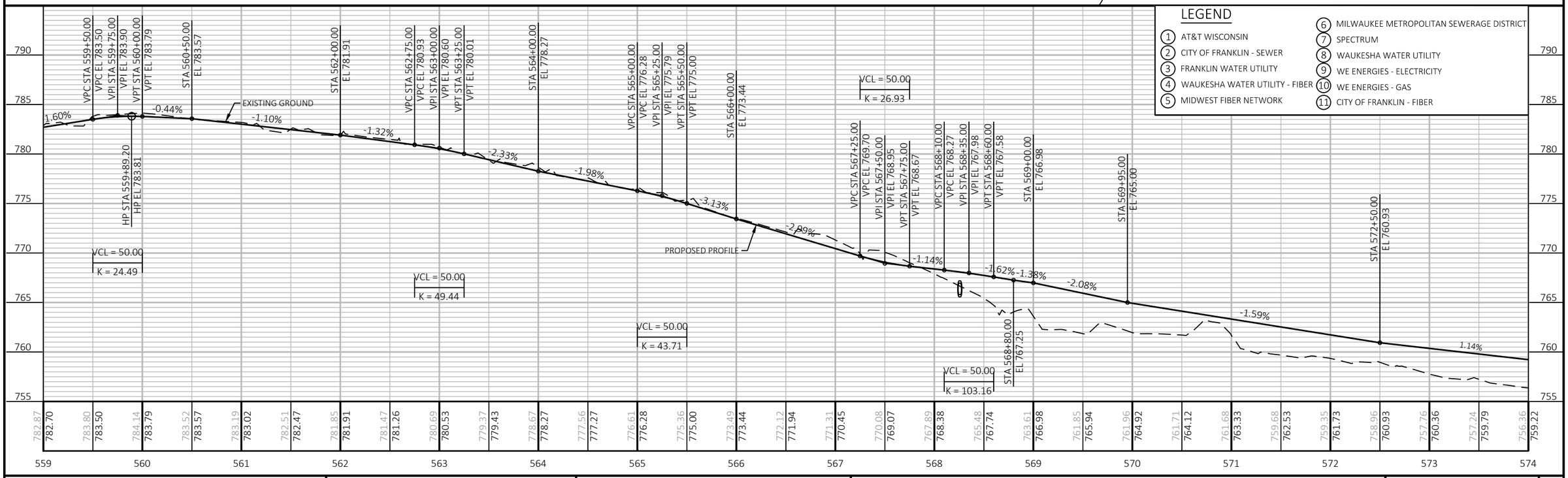
WISDOT/CADDS SHEET 44



PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN AND PROFILE: MULTIUSE PATH	SHEET 332	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050154-pp
PLOT DATE : 7/12/2024 11:04 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN AND PROFILE: MULTIUSE PATH	SHEET 333	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050155-pp
PLOT DATE : 7/12/2024 11:05 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

LEGEND

1. AT&T WISCONSIN
2. CITY OF FRANKLIN - SEWER
3. FRANKLIN WATER UTILITY
4. WAUKESHA WATER UTILITY - FIBER
5. MIDWEST FIBER NETWORK
6. MILWAUKEE METROPOLITAN SEWERAGE DISTRICT
7. SPECTRUM
8. WAUKESHA WATER UTILITY
9. WE ENERGIES - ELECTRICITY
10. WE ENERGIES - GAS
11. CITY OF FRANKLIN - FIBER

MILWAUKEE METROPOLITAN SEWERAGE DISTRICT
MICHAEL J MAZOLA
DOBRON PEGGY J LIVING TRUST
MATCHLINE STA. 574+00
MATCHLINE STA. 589+00
WETLAND BOUNDARY (TYP.)
FENCE CHAIN LINK 4-FT REQ'D
SLOPE INTERCEPT (TYP.)
JAMES M KEMENY
CAROL R KEMENY
JOHN K ESKAU REVOCABLE LIVING TRUST OF 2016
FRANKLIN PUBLIC SCHOOLS
STH 100
RYAN ROAD
R/W
TLE
BEGIN CONSTRUCTION
STA. 48+00.00 F

PROPOSED PROFILE
EXISTING GROUND
-1.14%
0.03%
-2.09%
2.41%
5.00%
-0.66%
2.91%
1.75%
-1.69%
-0.30%
1.33%
-0.76%

VCL = 220.00, K = 187.74
VCL = 50.00, K = 7.70
VCL = 50.00, K = 19.30
VCL = 50.00, K = 8.84
VCL = 50.00, K = 10.73
VCL = 50.00, K = 22.19
VCL = 50.00, K = 14.55
VCL = 50.00, K = 23.86
VCL = 50.00, K = 12.14

VPI STA 577+50.00, VPI EL 755.22
LP STA 578+54.61, LP EL 755.25
VPC STA 578+95.00, VPC EL 755.26
VPI STA 579+20.00, VPI EL 755.27
VPT STA 579+45.00, VPT EL 754.25
LP STA 579+86.48, LP EL 753.19
VPC STA 580+35.01, VPC EL 754.14
VPI STA 580+60.01, VPI EL 754.74
VPT STA 580+85.01, VPT EL 755.99
VPC STA 582+00.00, VPC EL 761.74
VPI STA 582+25.00, VPI EL 762.98
VPT STA 582+50.00, VPT EL 762.82
VPC STA 583+75.00, VPC EL 762.00
VPI STA 584+00.00, VPI EL 761.83
VPT STA 584+25.00, VPT EL 761.10
LP STA 584+81.25, LP EL 759.92
VPC STA 585+75.00, VPC EL 761.40
VPI STA 586+00.00, VPI EL 761.83
VPT STA 586+25.00, VPT EL 761.41
STA 586+60.00, EL 760.82
STA 587+50.00, EL 760.55
VPC STA 588+10.00, VPC EL 761.35
VPI STA 588+35.00, VPI EL 761.68
VPT STA 588+60.00, VPT EL 761.49
VPC STA 576+40.00, VPC EL 756.48
VPT STA 578+60.00, VPT EL 755.25
HP STA 578+95.35, HP EL 755.26
VPC STA 579+55.00, VPC EL 753.84
VPI STA 579+80.00, VPI EL 752.81
VPT STA 580+05.00, VPT EL 753.42
HP STA 582+44.18, HP EL 762.84
VPC STA 584+50.00, VPC EL 760.38
VPI STA 584+75.00, VPI EL 759.65
VPT STA 585+00.00, VPT EL 760.09
HP STA 586+00.43, HP EL 761.62
HP STA 588+41.85, HP EL 761.56

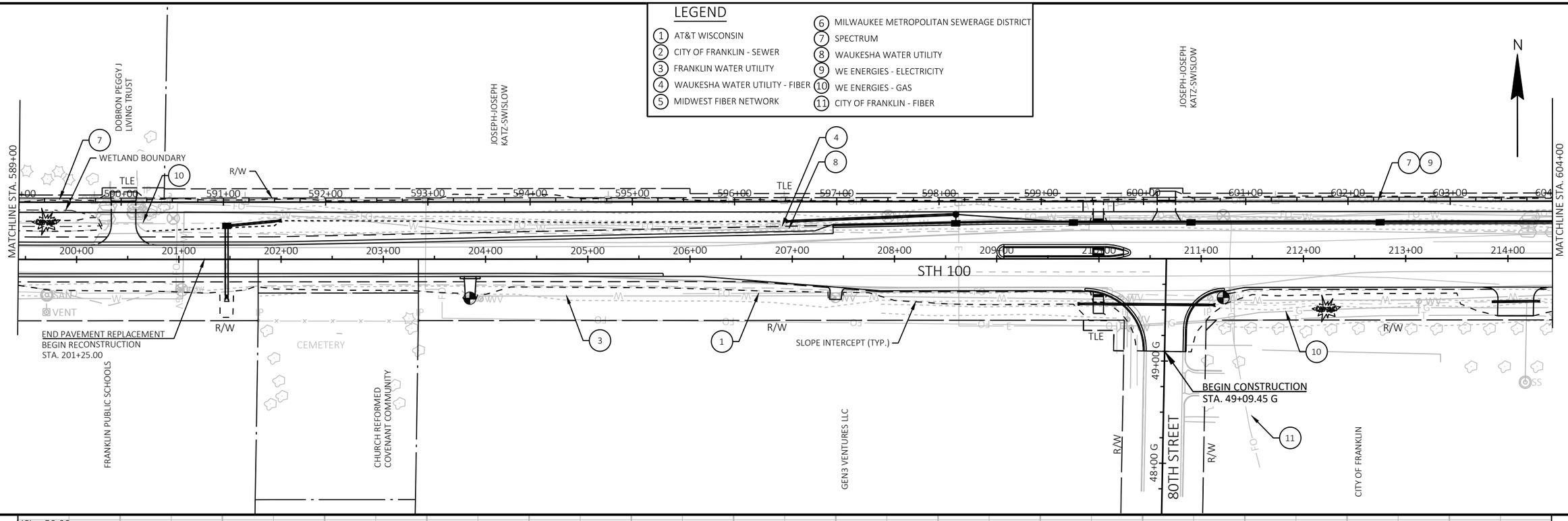
574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589
756.36	755.63	755.28	754.22	753.50	753.45	752.86	752.38	752.45	752.45	752.51	751.76	752.32	761.95	762.32	760.93	760.86	760.80	761.31	761.58	761.15
759.22	758.65	758.08	757.51	756.93	756.36	755.89	755.54	755.33	755.25	755.25	754.04	753.31	761.74	762.82	762.49	762.16	761.69	760.38	760.09	760.96	761.62	760.99	760.70	760.55	761.22	761.55	761.19

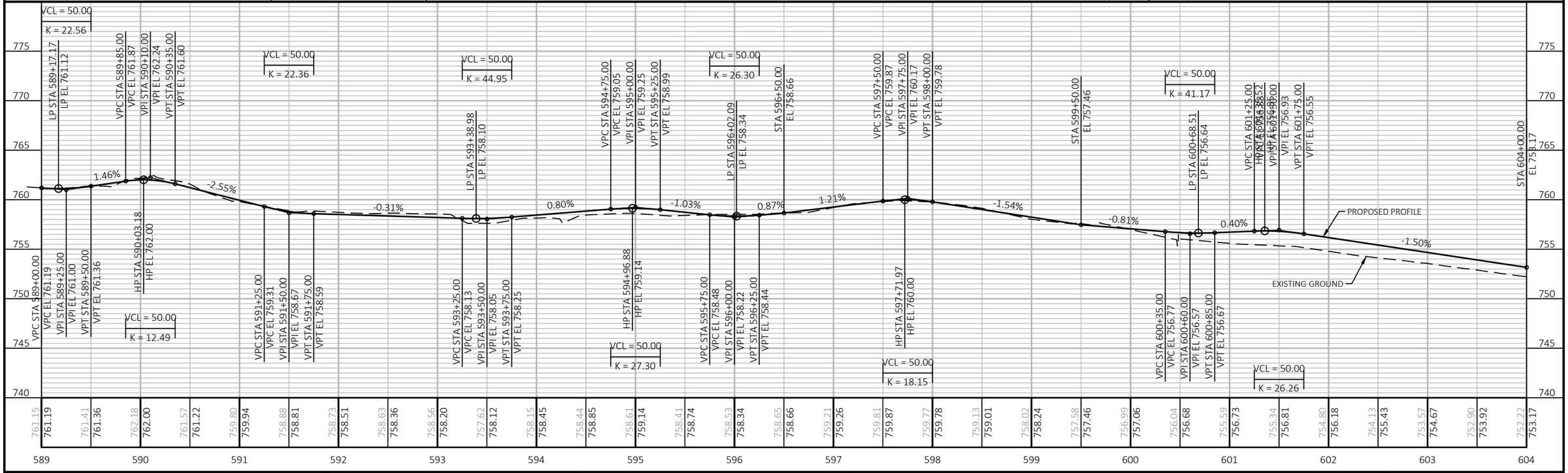
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN AND PROFILE: MULTIUSE PATH	SHEET 334	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050156-pp
PLOT DATE : 7/12/2024 11:06 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

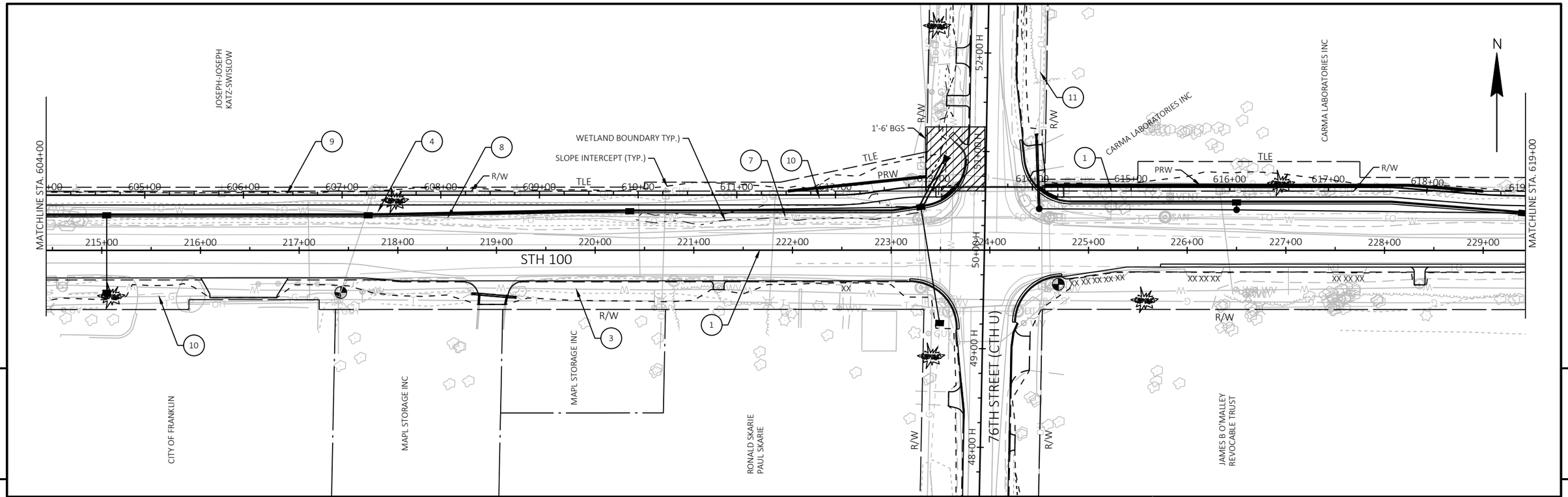
LEGEND

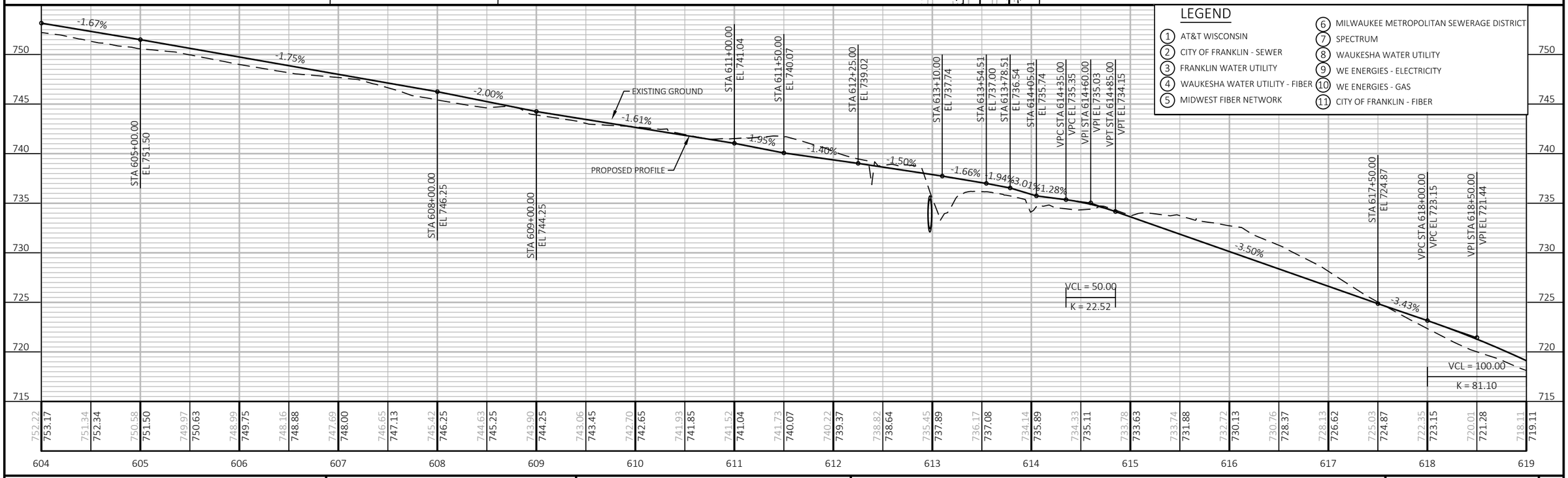
1. AT&T WISCONSIN
2. CITY OF FRANKLIN - SEWER
3. FRANKLIN WATER UTILITY
4. WAUKESHA WATER UTILITY - FIBER
5. MIDWEST FIBER NETWORK
6. MILWAUKEE METROPOLITAN SEWERAGE DISTRICT
7. SPECTRUM
8. WAUKESHA WATER UTILITY
9. WE ENERGIES - ELECTRICITY
10. WE ENERGIES - GAS
11. CITY OF FRANKLIN - FIBER





PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN AND PROFILE: MULTIUSE PATH	SHEET 335	E





PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN AND PROFILE: MULTIUSE PATH	SHEET 336 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050158-pp
PLOT DATE : 7/12/2024 11:08 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

LEGEND

1. AT&T WISCONSIN
2. CITY OF FRANKLIN - SEWER
3. FRANKLIN WATER UTILITY
4. WAUKESHA WATER UTILITY - FIBER
5. MIDWEST FIBER NETWORK
6. MILWAUKEE METROPOLITAN SEWERAGE DISTRICT
7. SPECTRUM
8. WAUKESHA WATER UTILITY
9. WE ENERGIES - ELECTRICITY
10. WE ENERGIES - GAS
11. CITY OF FRANKLIN - FIBER

N

CARMA LABORATORIES INC
ECE HILLS LLC
MILWAUKEE COUNTY SHERIFF'S DEPARTMENT
JAMES B O'MALLEY REVOCABLE TRUST
O'MALLEY INVESTMENTS II FAMILY LIMITED PARTNERSHIP
ALOYSIUS B RUTKOWSKI RYAN ROAD INVESTMENT PARTNERS LLC
JUAN R RODRIGUEZ CHERYL A RODRIGUEZ

MATCHLINE STA. 619+00
MATCHLINE STA. 634+00

STH 100

TLE
R/W
PRW
PLE
SLOPE INTERCEPT (TYP.)
WETLAND BOUNDARY (TYP.)
END RECONSTRUCTION
BEGIN PAVEMENT REPLACEMENT
STA. 239+25.00

620+00 621+00 622+00 623+00 624+00 625+00 626+00 627+00 628+00 629+00 630+00 631+00 632+00 633+00 634+00
230+00 231+00 232+00 233+00 234+00 235+00 236+00 237+00 238+00 239+00 240+00 241+00 242+00 243+00 244+00

PROPOSED PROFILE
EXISTING GROUND

VCL = 250.00
K = 83.72
-4.66%
VPT STA 619+00.00
VPT EL 719.11
VPC STA 620+75.00
VPC EL 710.94
-1.68%
VCL = 50.00
K = 63.24
VPI STA 622+00.00
VPI EL 705.11
VPT STA 623+25.00
VPT EL 703.02
VPC STA 624+50.00
VPC EL 700.92
VPI STA 624+75.00
VPI EL 700.50
VPT STA 625+00.00
VPT EL 700.28
-0.89%
STA 626+00.00
EL 699.39
-0.39%
STA 627+00.00
EL 699.00
-0.30%
VCL = 50.00
K = 33.36
VPC STA 628+00.00
VPC EL 698.70
VPI STA 628+25.00
VPI EL 698.62
LP STA 628+10.12
LP EL 698.68
VPT STA 628+50.00
VPT EL 698.92
1.20%
VPC STA 628+75.00
VPC EL 699.22
VPI STA 629+00.00
VPI EL 699.52
VPT STA 629+25.00
VPT EL 699.10
HP STA 628+95.88
HP EL 699.34
-1.67%
VCL = 50.00
K = 17.46
VCL = 50.00
K = 15.46
VPC STA 629+75.00
VPC EL 698.27
VPI STA 630+00.00
VPI EL 697.85
VPT STA 630+25.00
VPT EL 698.24
LP STA 630+00.79
LP EL 698.05
1.57%
STA 630+80.00
EL 699.10
2.35%
VPC STA 631+75.00
VPC EL 701.34
VPI STA 632+00.00
VPI EL 701.93
VPT STA 632+25.00
VPT EL 701.82
HP STA 632+17.01
HP EL 701.83
-0.45%
VCL = 50.00
K = 17.84
VPC STA 632+90.00
VPC EL 701.53
VPI STA 633+15.00
VPI EL 701.41
VPT STA 633+40.00
VPT EL 701.03
1.52%
VCL = 50.00
K = 46.65
VPC STA 633+85.00
VPC EL 700.35
VCL = 50.00
K = 49.02

720 715 710 705 700 695 690 685

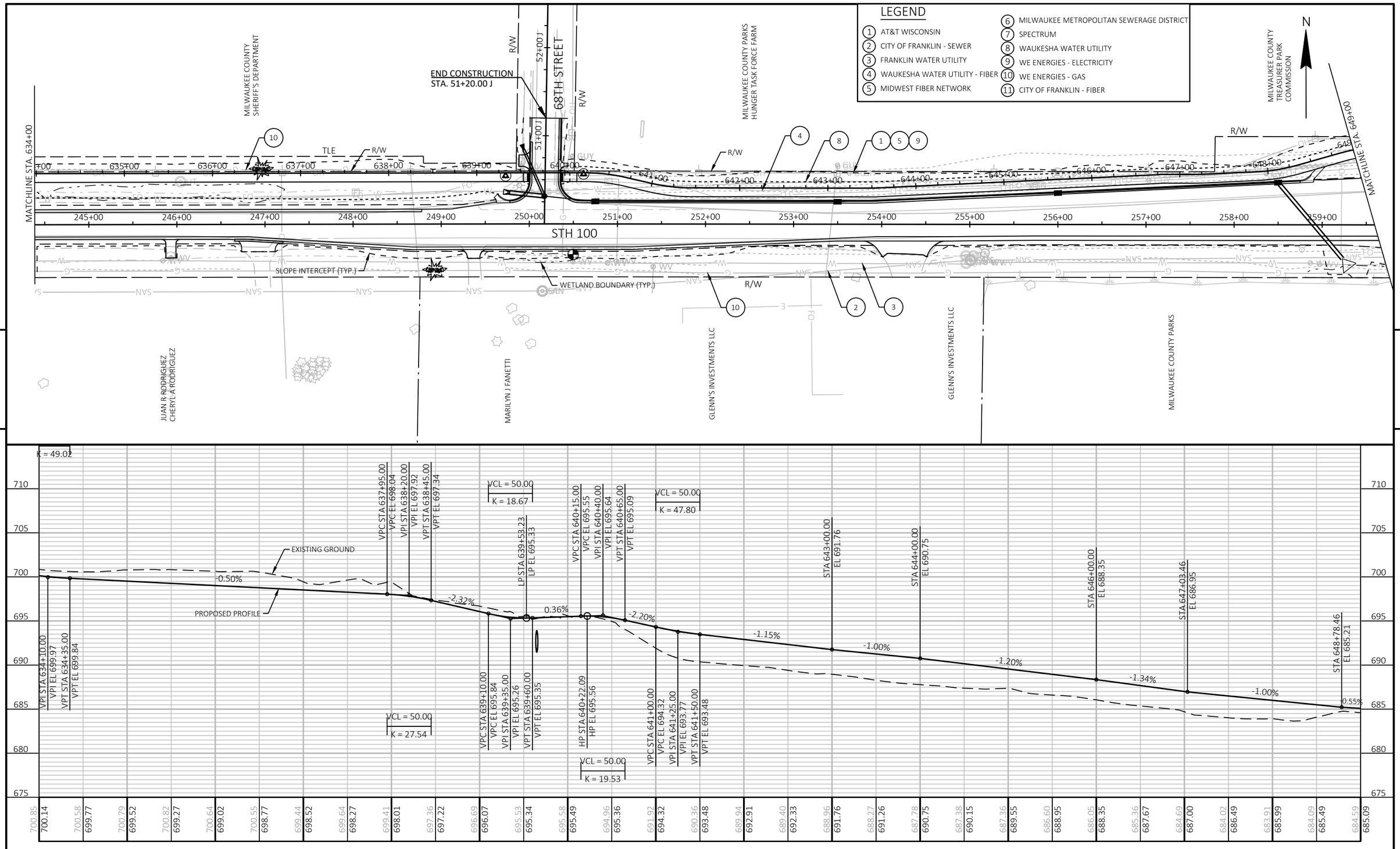
718.11 719.11 715.89 716.77 714.08 714.44 710.71 712.11 708.02 709.82 706.08 707.78 704.51 706.05 703.40 704.61 702.64 703.47 701.33 702.60 700.53 701.76 699.02 700.92 698.56 700.28 699.68 699.83 697.59 699.39 697.41 699.19 697.08 699.00 697.07 698.85 696.77 698.70 693.91 698.92 697.10 699.34 696.43 698.68 698.10 698.05 698.95 698.63 700.11 699.57 702.08 700.75 702.66 701.75 704.37 701.70 704.07 701.47 702.38 700.88 700.85 700.14

619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN AND PROFILE: MULTIUSE PATH	SHEET 337	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050159-pp
PLOT DATE : 7/12/2024 11:09 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

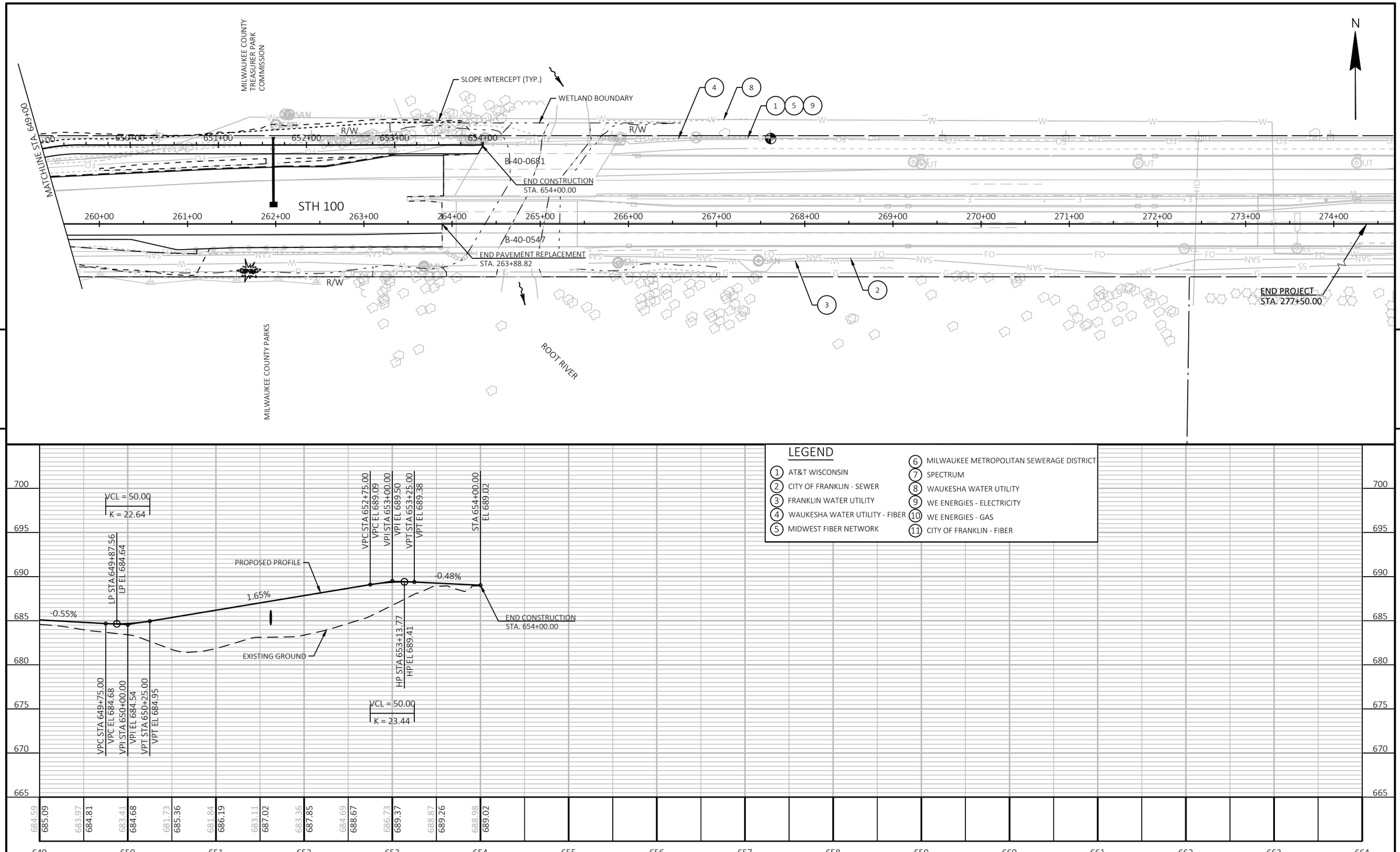
WISDOT/CADDS SHEET 44



PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN AND PROFILE: MULTIUSE PATH	SHEET 338 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050160-pp
PLOT DATE : 7/12/2024 11:11 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN AND PROFILE: MULTIUSE PATH	SHEET 339	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050161-pp

PLOT DATE : 7/12/2024 11:12 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

Standard Detail Drawing List

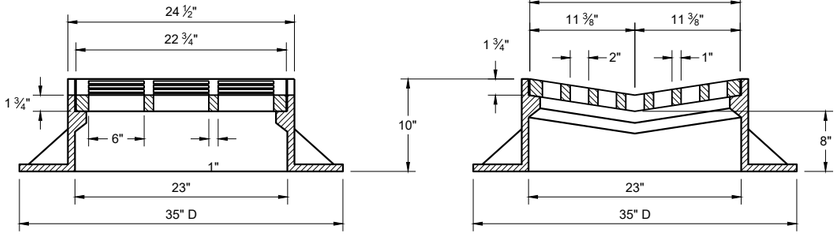
08A05-21B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-21C	INLET COVERS TYPE F, HM, HM-S, S, T, HM-GJ & HM-GJ-S
08A05-21E	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-04	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08C06-03	INLETS 3-FT AND 4-FT DIAMETER
08C07-03	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT, 2.5X3-FT & 2X3.5-FT
08C08-03	INLETS MEDIAN 1 AND 2 GRATE
08D01-23A	CONCRETE CURB & GUTTER
08D01-23B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-07	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-21A	CURB RAMPS TYPES 1 AND 1-A
08D05-21B	CURB RAMPS TYPES 2 AND 3
08D05-21C	CURB RAMPS TYPES 4A AND 4A1
08D05-21D	CURB RAMPS TYPE 4B AND 4B1
08D05-21E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-21F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-21G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D18-04	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
08D19-04	DRIVEWAY AND SIDEWALK RAMPS TYPE Z
08D21-01	DRIVEWAYS WITHOUT CURB & GUTTER
08D22-01	DRIVEWAYS WITHOUT CURB & GUTTER RESURFACING PROJECTS RURAL
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
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
08F08-02	STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED CROSS DRAINS
09A01-14A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
09B02-10	CONDUIT
09B04-12	PULL BOX
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C06-07	CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL
09C12-09A	CONCRETE BASE TYPE 13
09C12-09B	CONCRETE BASE TYPE 13
09C15-01	CONCRETE BASE TYPE 10 SPECIAL
09C16-01	CONCRETE BASE TYPE 10 SPECIAL EXTENSION
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D02-03	SIGNAL CONTROL CABINET
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
09E07-06	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
09E08-09B	TYPE 9 SPECIAL POLE 35' MONOTUBE ARM
09E08-09D	TYPE 9 SPECIAL POLE 45' MONOTUBE ARM
09E08-09H	TYPE 10 SPECIAL POLE 45' MONOTUBE ARM
09E08-09J	TYPE 13 POLE 35'-55' MONOTBE ARM
09E08-09K	GENERAL NOTES,HARDWARE DETAILS FOR TYPE 9/10,9/10 SPECIAL,12 & 13 POLES W/MONOTUBE ARMS
09E12-01D	OVER HEIGHT TYPE 13 POLE 35'-55' MONOTBE ARM
09E12-01E	GENERAL NOTES AND HARDWARE DETAILS FOR OVER HEIGHT TYPE 9, 10, 12 & 13 POLES WITH MONOTUBE ARMS
09F11-04	LOOP DETECTOR INSTALLED IN EXISTING CONCRETE PAVEMENT WITH NEW ASPHALTIC OVERLAY
09F15-04B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
09G01-04B	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04C	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04D	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04E	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04F	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04G	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
11B02-02	CONCRETE MEDIAN NOSE
13A03-07	CONCRETE PAVEMENT SHOULDERS
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C11-14A	RURAL DOWELED CONCRETE PAVEMENT
13C11-14B	RURAL DOWELED CONCRETE PAVEMENT
13C14-07A	BASE PATCHING CONCRETE
13C14-07B	BASE PATCHING CONCRETE
13C14-07C	BASE PATCHING CONCRETE

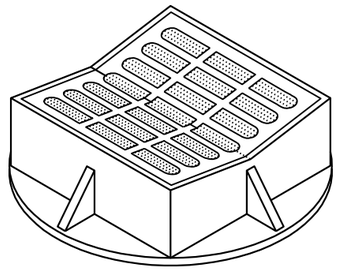
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Standard Detail Drawing List

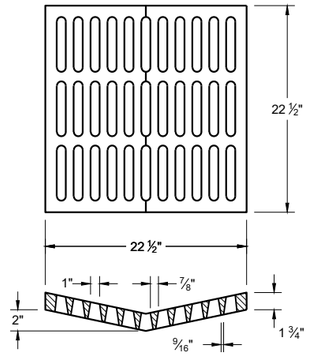
13C16-02A	DETAIL FOR RIGHT TURN LANE/TEE INTERSECTION BYPASS LANE ON A CONRETE ROADWAY
13C16-02B	DETAIL FOR RIGHT TURN LANE/TEE INTERSECTION BYPASS LANE ON A CONRETE ROADWAY
13C18-08A	CONCRETE PAVEMENT JOINTING
13C18-08B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-08C	CONCRETE PAVEMENT JOINT TYPES
13C18-08D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
13C18-08F	CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER
13C19-03	HMA LONGITUDINAL JOINTS
14B28-04A	GUARDRAIL MOW STRIP
14B29-01	SAFETY EDGE
14B42-07A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15B03-15A	FENCE CHAIN LINK
15B03-15B	FENCE CHAIN LINK
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-09C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C07-15E	PAVEMENT MARKING FOR BIKE LANES
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-23B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C08-23C	PAVEMENT MARKING (TURN LANES)
15C08-23D	PAVEMENT MARKING (TURN LANES)
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C18-08A	MEDIAN ISLAND MARKING PAVEMENT MARKINGS
15C18-08B	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C18-08C	MEDIAN PAVEMENT MARKINGS DOUBLE ARROW WARNING SIGN PLACEMENT
15C20-02	YIELD MARKING
15C21-11	SIGNING AND MARKING FOR TWO LANE TO FOUR LANE DIVIDED TRANSITIONS
15C31-06D	PAVEMENT MARKING LANE DROP AND LANE REDUCTION
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C33-05	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-06A	PAVEMENT MARKING (INTERSECTIONS)
15D12-12A	TRAFFIC CONTROL, LANE CLOSURE, WITH TEMPORARY RUMBLE STRIPS
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D30-09A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09B	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09D	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09E	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09F	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09G	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09H	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09I	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09J	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09K	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09L	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
16A01-07	LANDMARK REFERENCE MONUMENTS AND COVERS

6





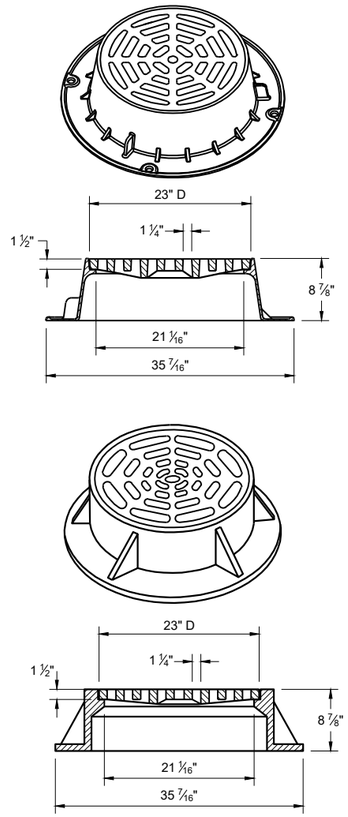
TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS POSSIBLE

NOTED AS TYPE B - A ON THE DRAINAGE TABLE



TYPE "C"

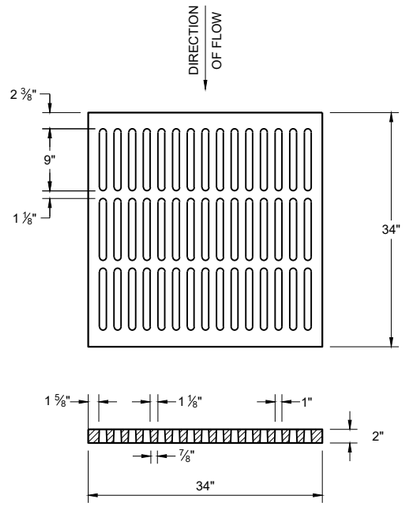
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

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

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

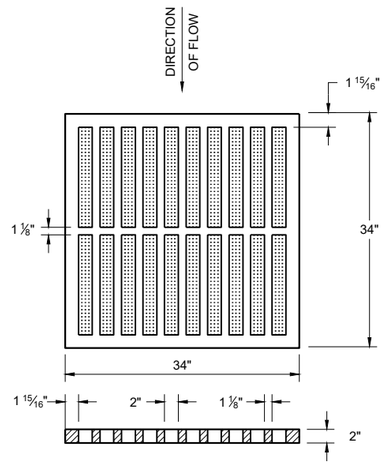
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS PERMITTED

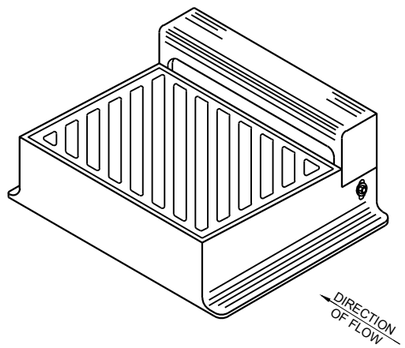
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE



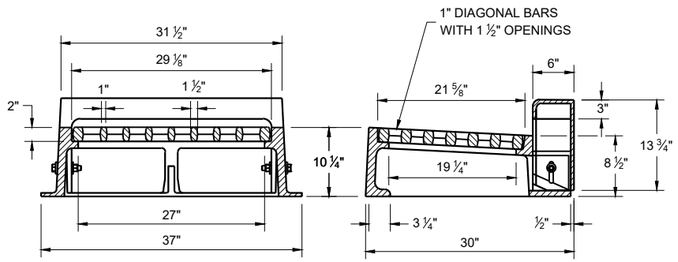
TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON THE DRAINAGE TABLE



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



TYPE "WM"

NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

INLET COVERS TYPES B, B-A, C, MS, MS-A AND WM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

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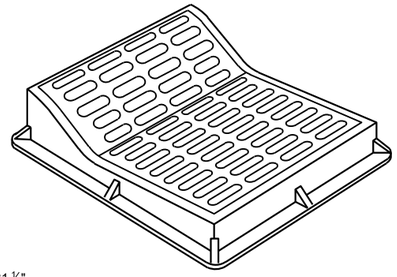
SDD 08A05-21b

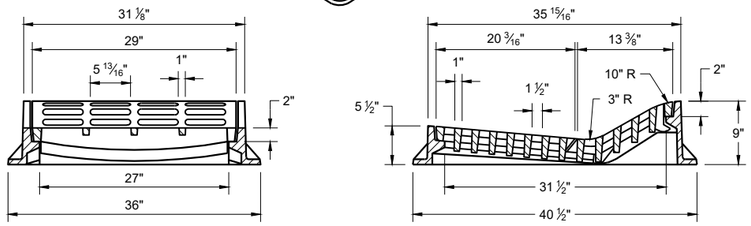
SDD 08A05-21b

GENERAL NOTES

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

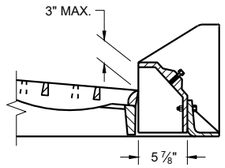
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.





TYPE "F"

USE WITH TYPES "A" AND "D" CONCRETE CURB AND GUTTER, 36"

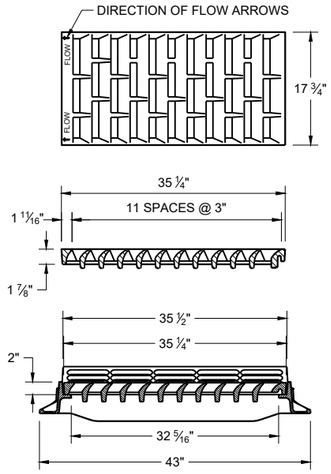


ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

USE WITH TYPES "G" AND "J" CONCRETE CURB AND GUTTER, 30 INCH
NOTED AS TYP "HM-GJ" ON DRAINAGE TABLE

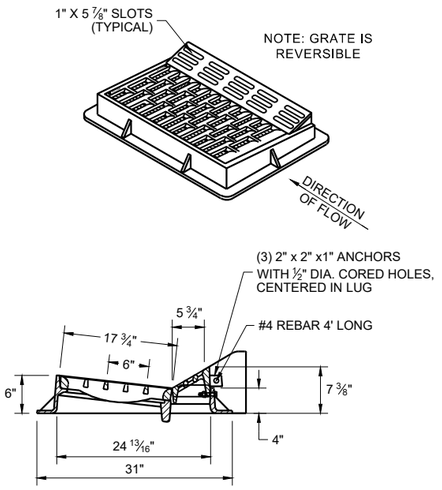
NOTE:
SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM-GJ" COVER.

NOTED AS TYPE HM-GJ-S ON THE DRAINAGE TABLE.



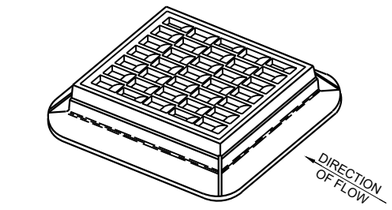
TYPE "HM"

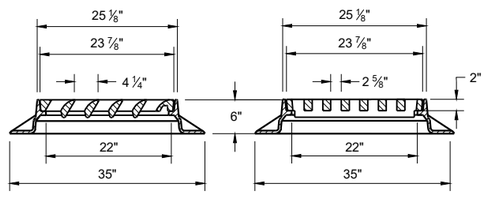
USE WITH TYPES "A" AND "D" CONCRETE CURB AND GUTTER, 36"



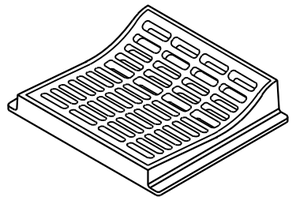
NOTE:
SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM-GJ" COVER.

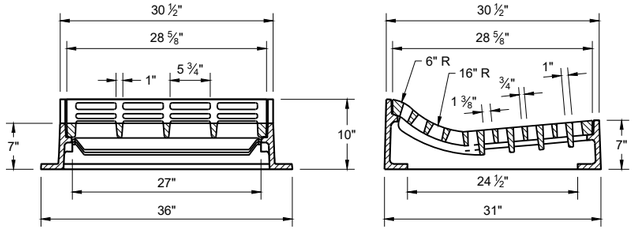
NOTED AS TYPE HM-GJ-S ON THE DRAINAGE TABLE.





TYPE "S"





TYPE "T"

USE WITH TYPES "R" AND "T" CONCRETE CURB AND GUTTER, 36"

INLET COVERS
TYPES F, HM, HM-S, S, T, HM-GJ AND HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

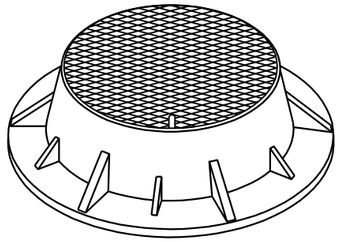
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SDD 08A05-21c

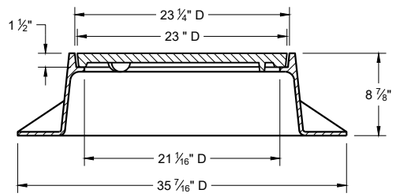
GENERAL NOTES

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 MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

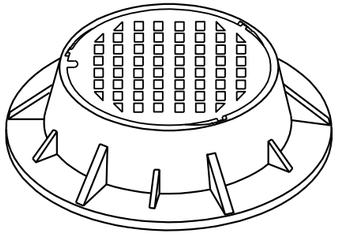
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

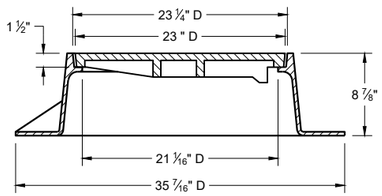




TYPE "J"

NOTE: EITHER CASTING IS ACCEPTABLE

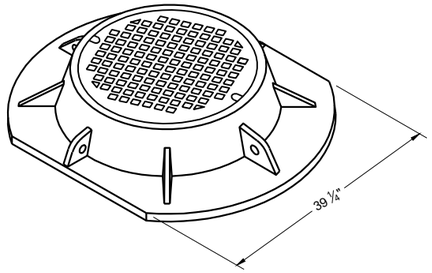


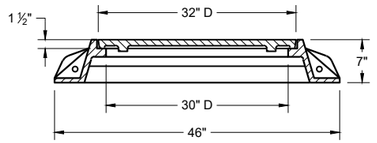


TYPE "J" SPECIAL

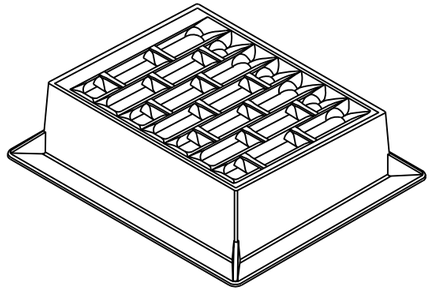
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

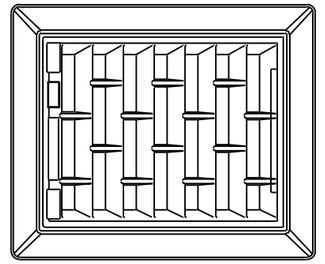
NOTE: EITHER CASTING IS ACCEPTABLE

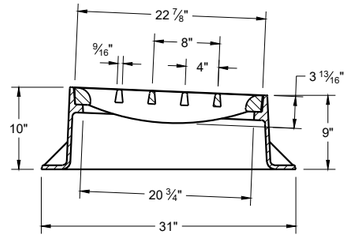


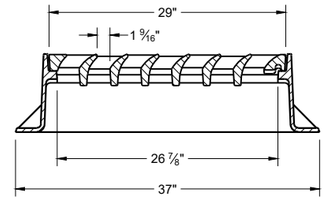


TYPE "K"

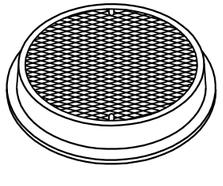


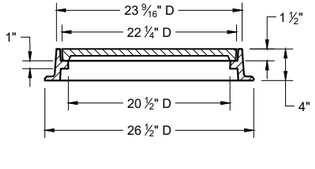




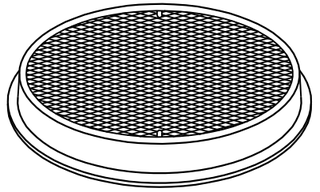


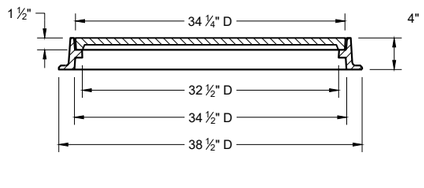
INLET COVER TYPE "BW"





TYPE "L"





TYPE "M"

INLET COVERS TYPES BW
MANHOLE COVERS TYPES K, J, J-S, L, AND M

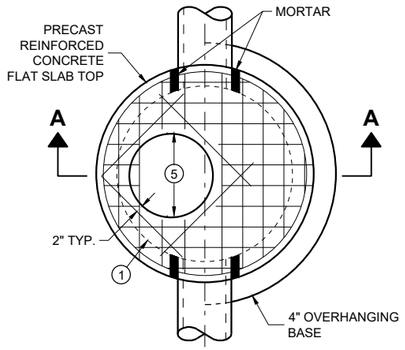
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

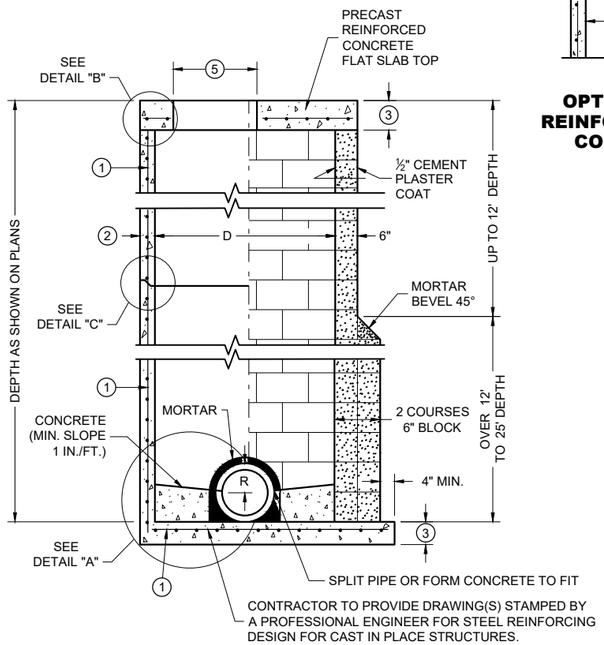
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PLAN VIEW

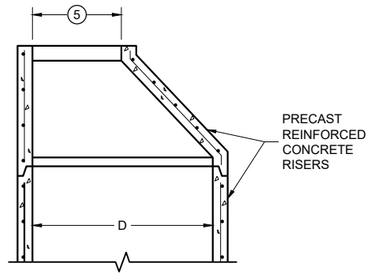
CIRCULAR OPENING



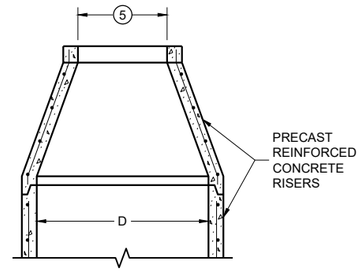
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

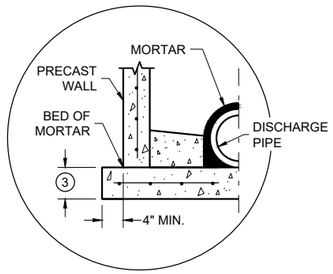
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)



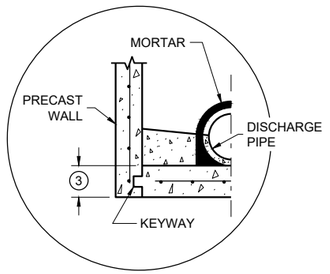
OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

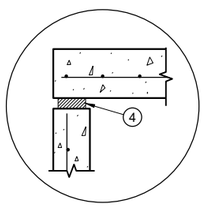


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

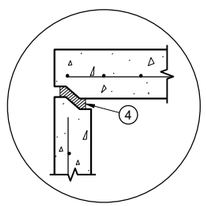


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

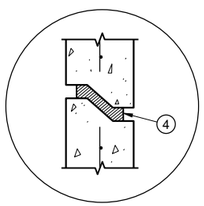
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

DETAIL "C"

MANHOLE COVER OPENING MATRIX

OPENING SIZE (FT.) (5) \ MANHOLE COVER TYPE	C	ALL J'S	K	L	M
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE (DIA.)	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES		MINIMUM WALL THICKNESS (IN)	MINIMUM PRECAST FLAT SLAB TOP AND BASE THICKNESS
	180° SEPARATION (IN)	90° SEPARATION (IN)		
3-FT	15	12	4	6
4-FT	24	18	4	6
5-FT	36	24	5	8
6-FT	42	36	6	8
7-FT	48	36/42 *	7	8
8-FT	60	42	8	8
9-FT	66	54	9	10
10-FT	72	60	10	10

*A 36" PIPE AND A 42" PIPE CAN BE PLACED WITHIN 90 DEGREES. SEE MINIMUM HORIZONTAL PIPE SEPARATION 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.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE 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.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL IMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

ALL PRECAST MANHOLE 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.

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

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".

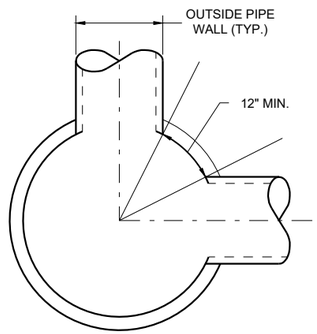
(1) FOR PRECAST MANHOLES AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(2) SEE PIPE MATRIX TABLE FOR MINIMUM WALL THICKNESS FOR PRECAST MANHOLES

(3) SEE PIPE MATRIX TABLE FOR MINIMUM THICKNESS OF PRECAST FLAT SLAB TOPS AND BASES.

(4) 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.

(5) SEE MANHOLE COVER OPENING MATRIX.



MINIMUM HORIZONTAL PIPE SEPARATION

DETAIL "D"

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

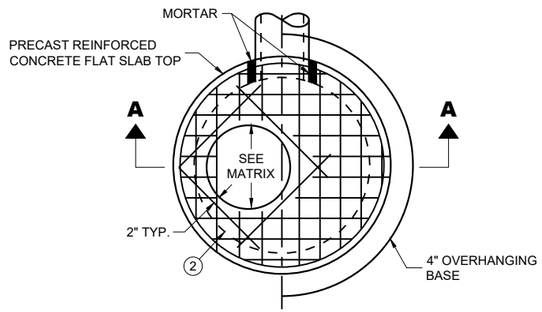
MANHOLES, 3-FT, 4-FT 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

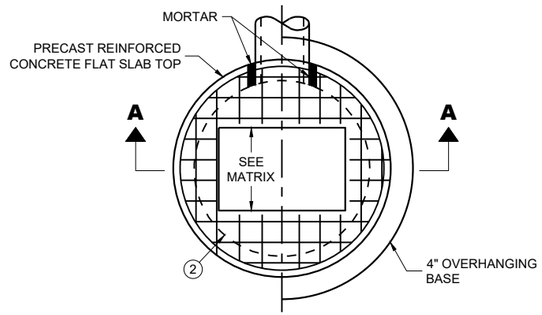
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FHWA

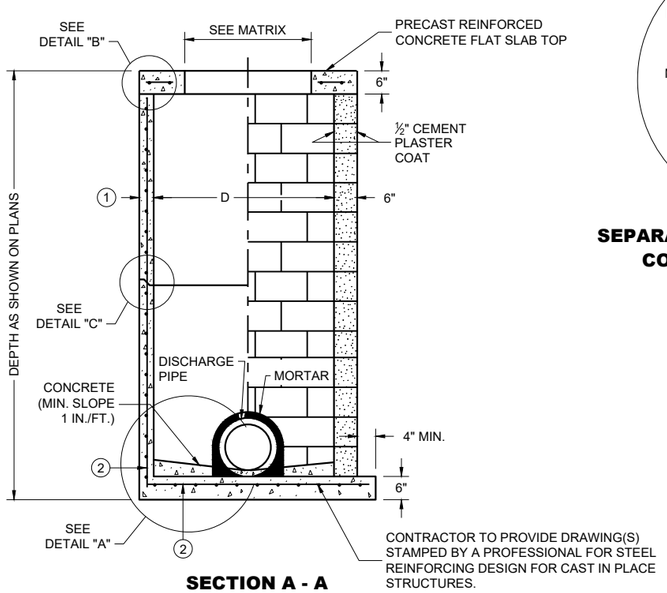
SDD 08B09-04



PLAN VIEW CIRCULAR OPENING



PLAN VIEW RECTANGULAR OPENING



SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (2)

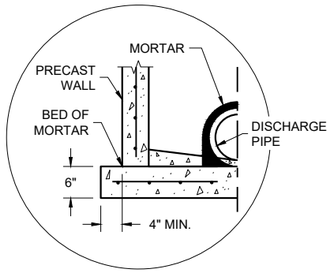
CIRCULAR INLETS WITH FLAT TOP

CATCH BASIN COVER OPENING MATRIX

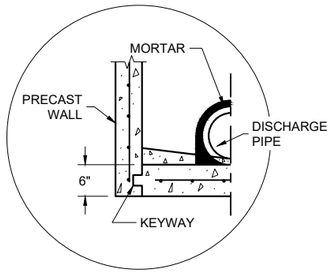
INLET SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
	OPENING SIZE (FT.)											
3-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
4-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
	2 X 2.5			X				X	X	X	X	
	2 X 3						X					
	2.5 X 3					X						

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

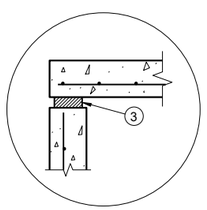


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

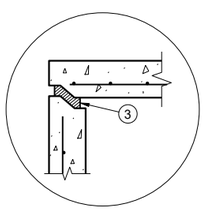


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

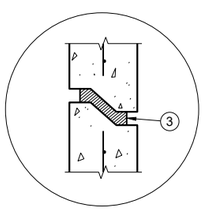
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B" **DETAIL "C"**

INLETS 3-FT AND 4-FT DIAMETER

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

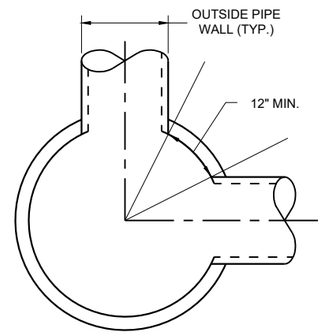
4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

(1) MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT DIAMETER AND 5 INCHES FOR 4-FT DIAMTER PRECAST INLETS.

(2) FOR PRECAST INLETS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(3) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFORMING TO ASTM C443.



MINIMUM HORIZONTAL PIPE SEPARATION

DETAIL "D"

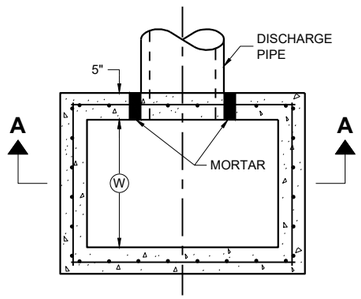
INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

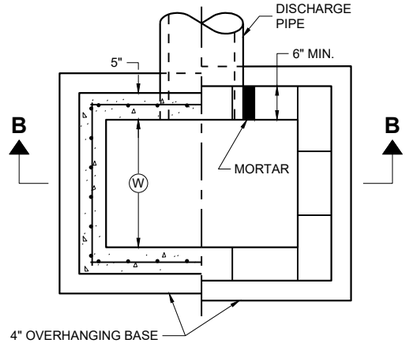
APPROVED
December 2023 — DATE
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FHWA

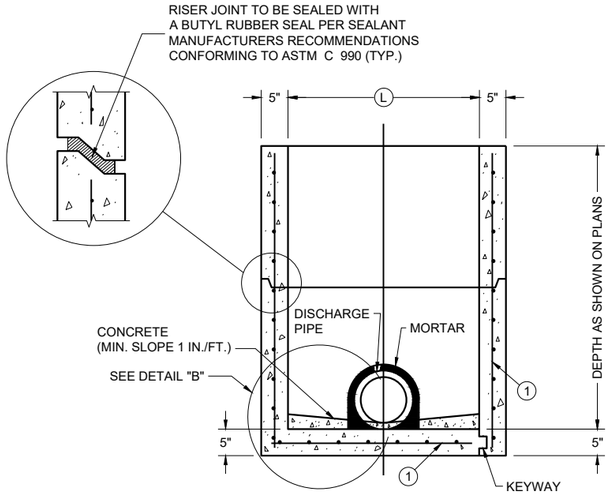
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SDD 08C06-03



PLAN VIEW



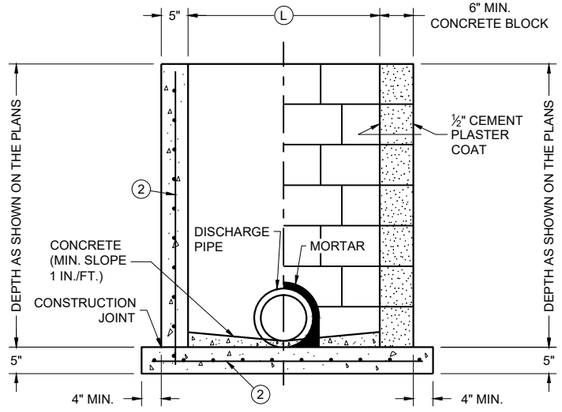
PLAN VIEW



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

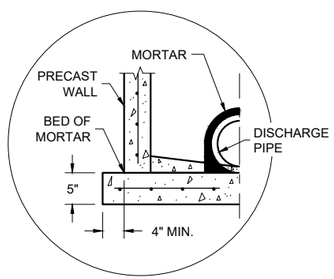
SECTION A - A



CAST IN PLACE REINFORCED CONCRETE

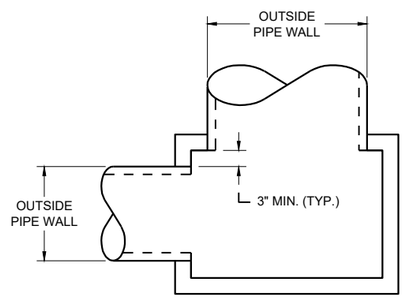
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)

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

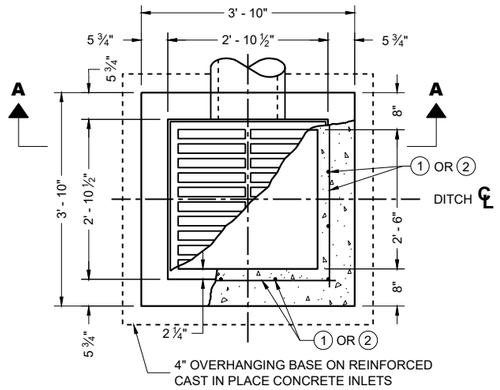
FHWA

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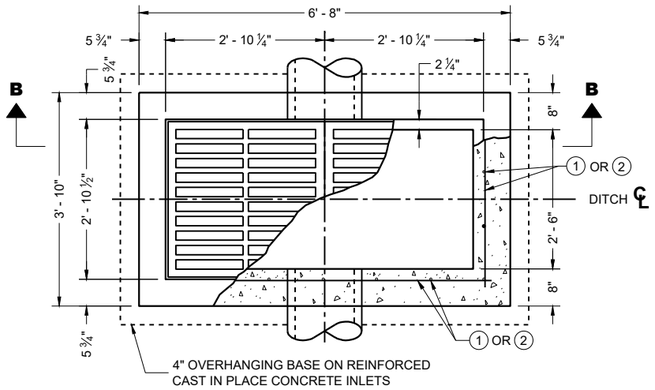
SDD 08C07-03

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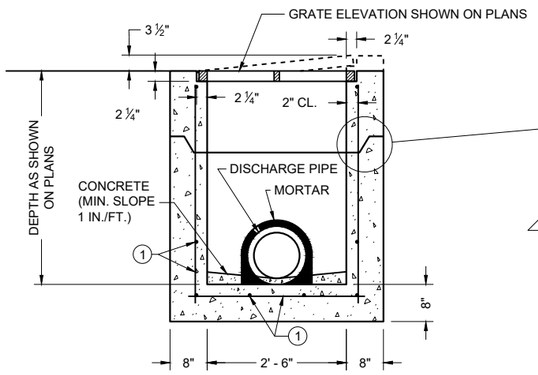
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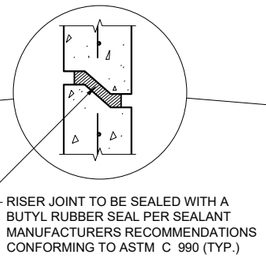
PLAN VIEW

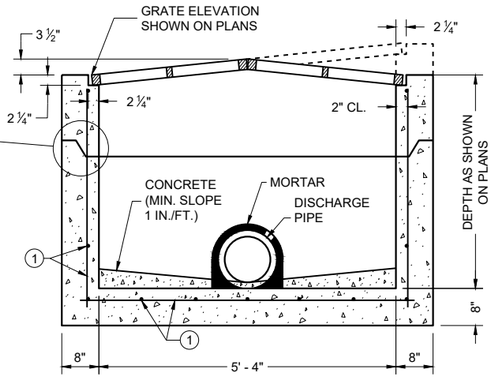


PLAN VIEW

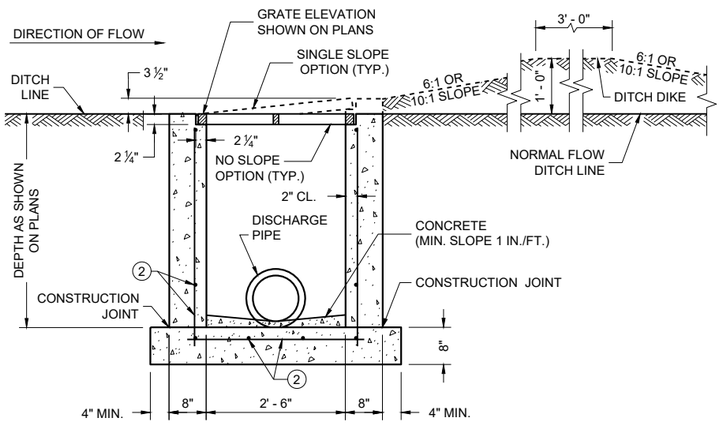


PRECAST REINFORCED CONCRETE SECTION A - A



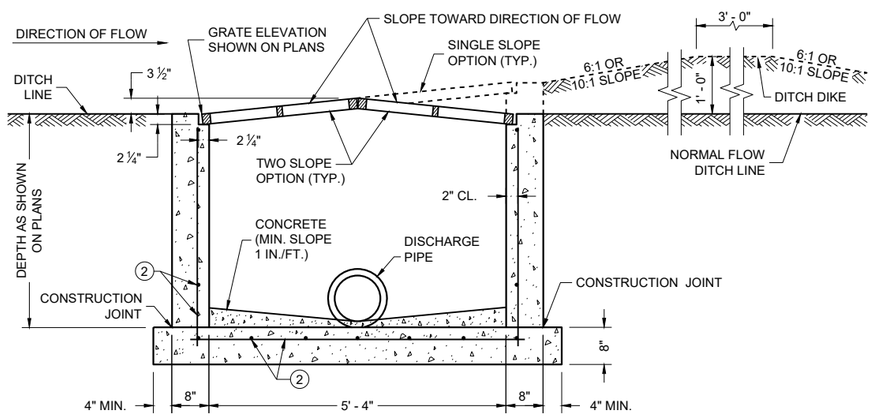


PRECAST REINFORCED CONCRETE SECTION B - B



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.

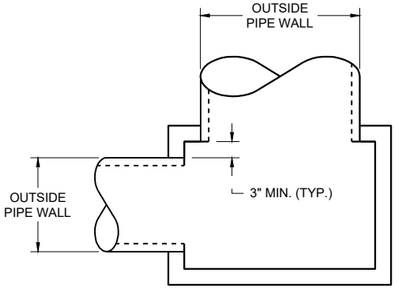
ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

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

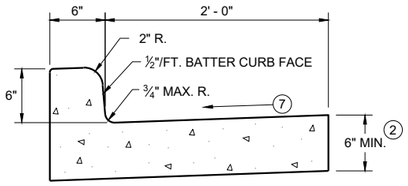
INLETS
MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

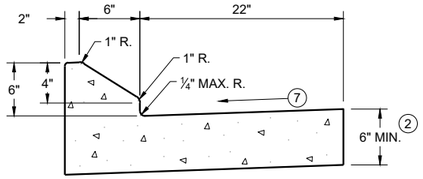
APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

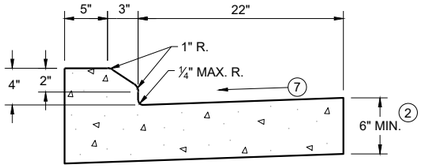
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SDD 08C08-03



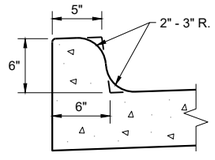
TYPES A (1) & D



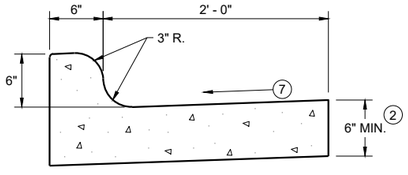
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

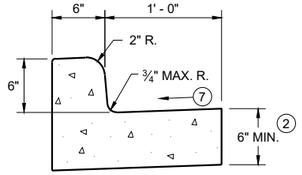


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



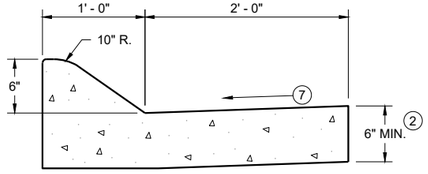
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

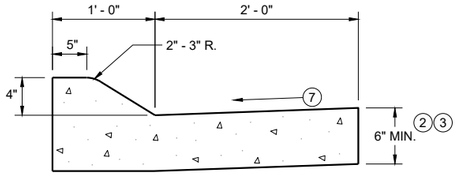


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

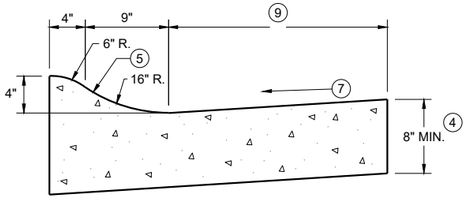


6" SLOPED CURB TYPES A (1) & D



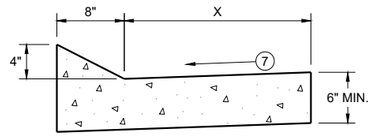
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

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

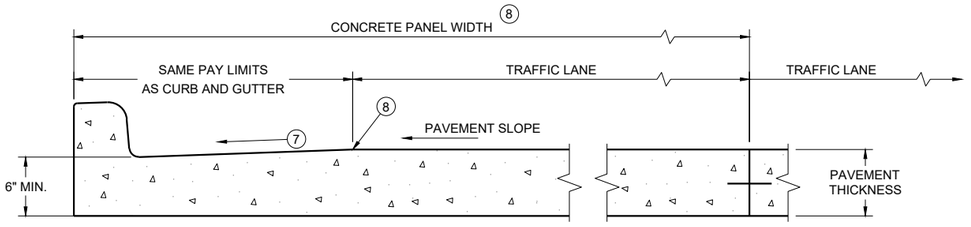


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

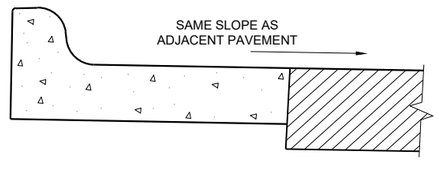
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

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

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

INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

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

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

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

(3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

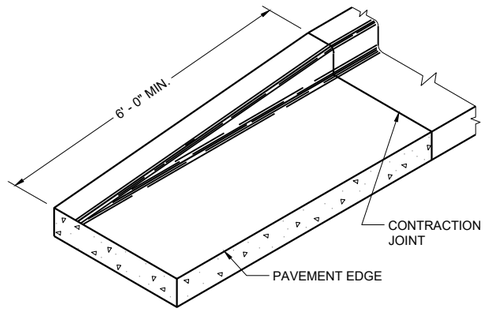
(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

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

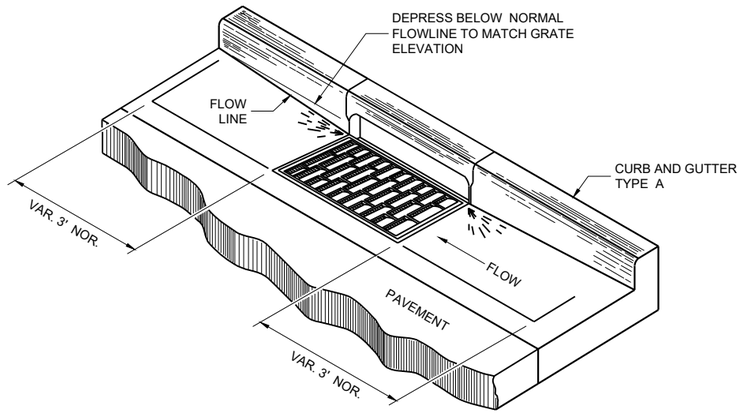
CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D01-23a



END SECTION CURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS

(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

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

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

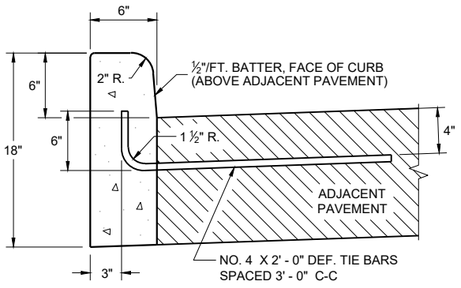
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

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

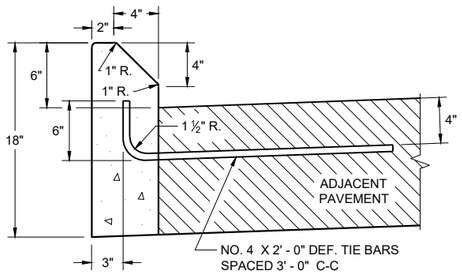
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

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

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

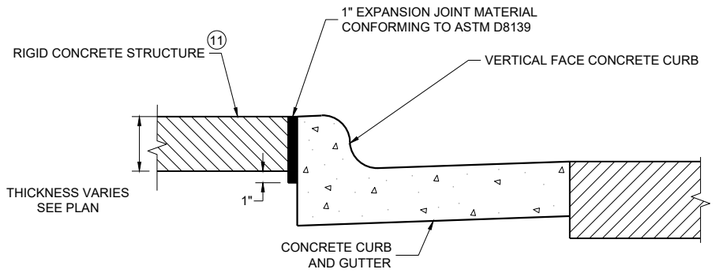


TYPES A (1) & D

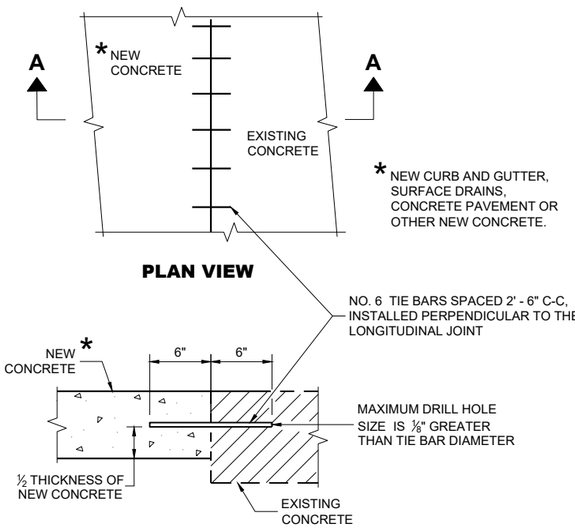


TYPES G (1) & J

CONCRETE CURB



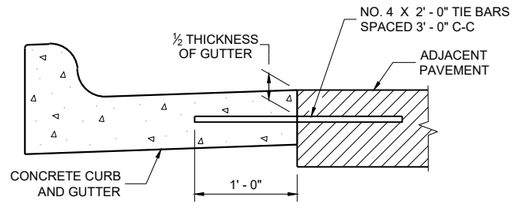
EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE (11)



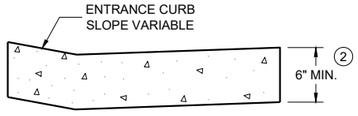
PLAN VIEW

SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (10)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

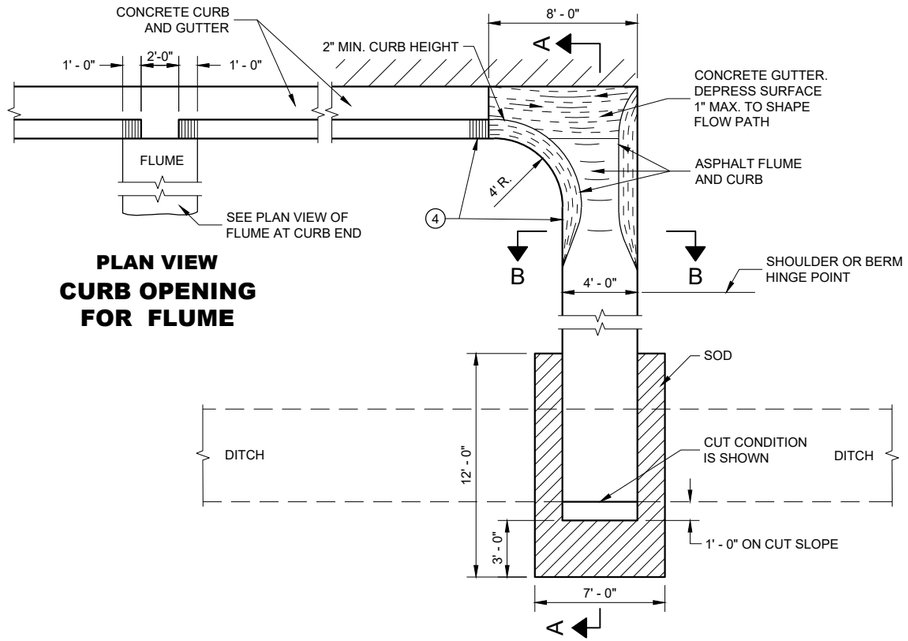
APPROVED
May 2023 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6
SDD 08D01-23b

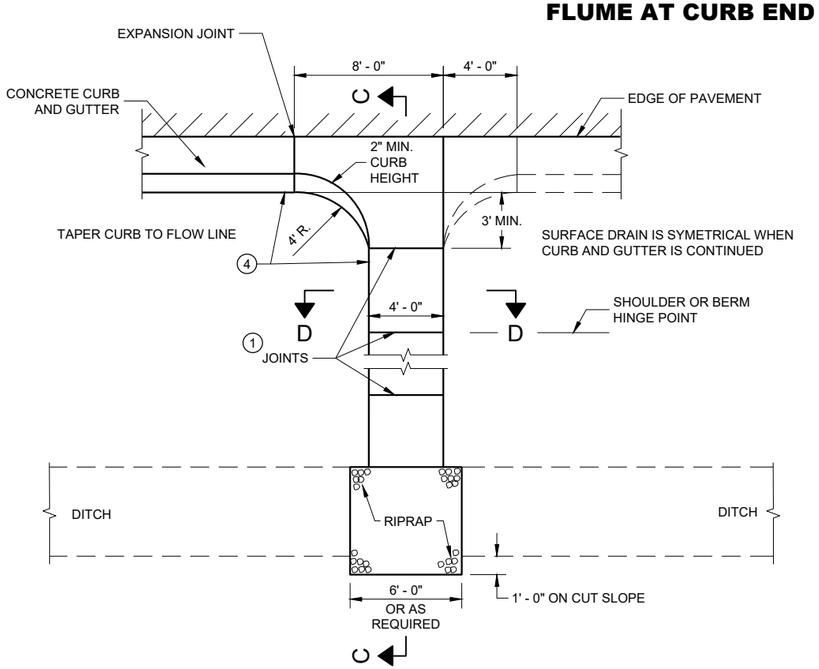
NOTE: TAPER CURB ENDS TO GUTTER IN 1' - 0"

ASPHALTIC FLUME



PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



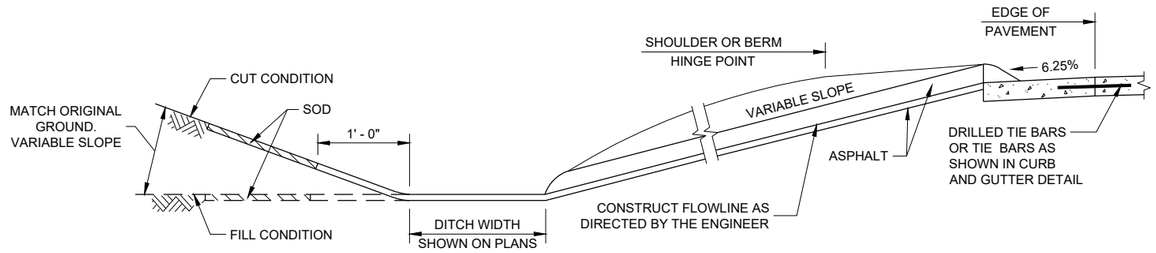
PLAN VIEW
CONCRETE SURFACE DRAIN

GENERAL NOTES

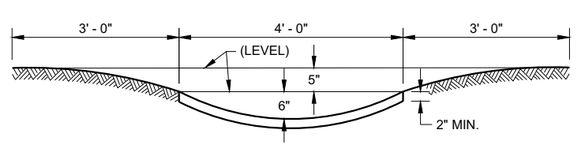
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

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

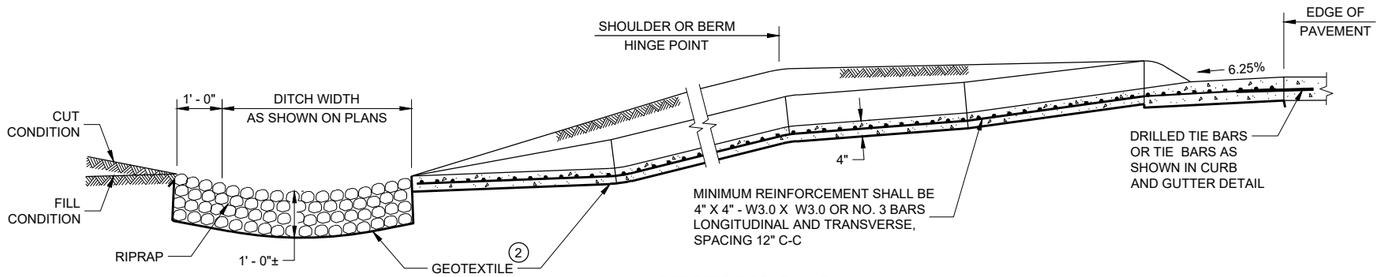
1. JOINTS SHALL BE ⅛" TO ¼" WIDE BY 1½" DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.
2. GEOTEXTILE TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.
3. CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED.
4. 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.



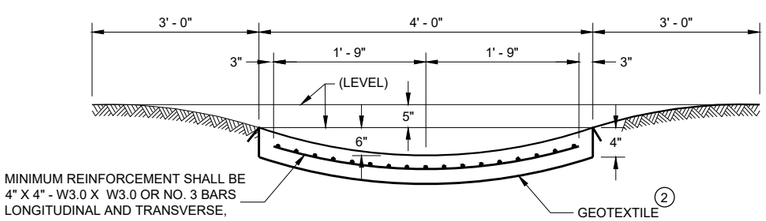
SECTION A - A



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

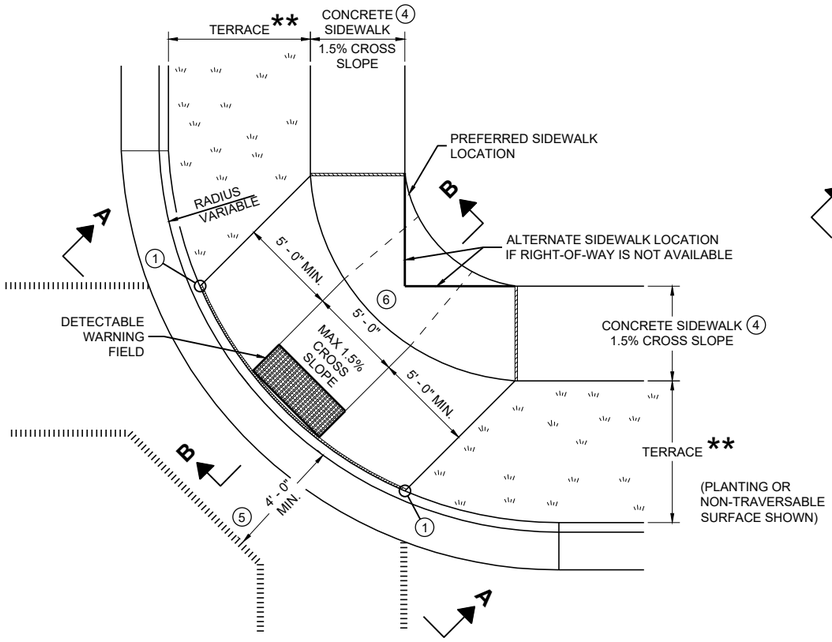
FHWA

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SDD 08D04 - 07

6

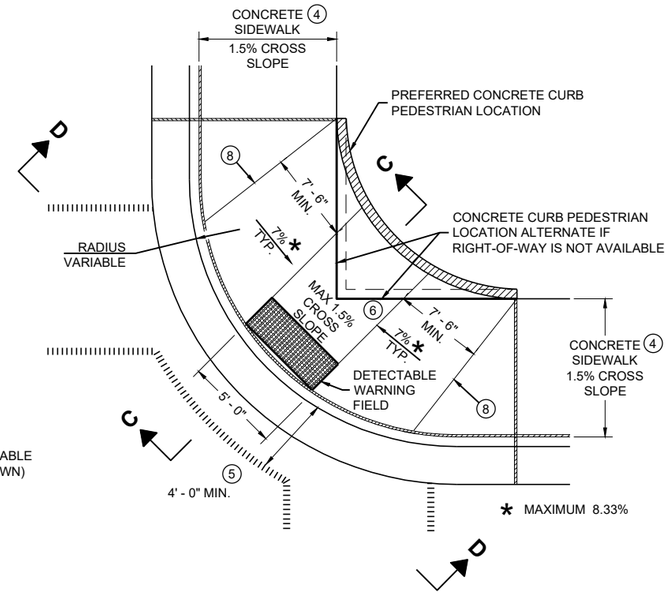
SDD 08D04 - 07



PLAN VIEW

CURB RAMP TYPE 1

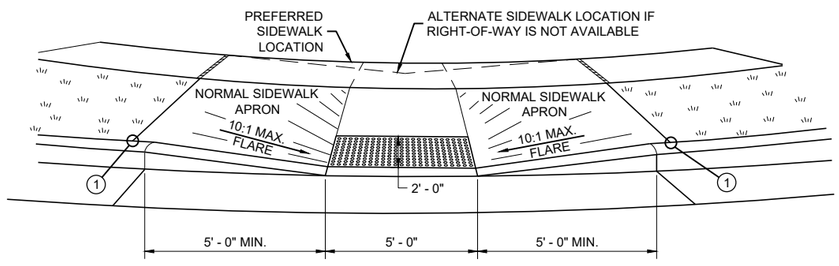
(CENTER OF CORNER RADIUS)



PLAN VIEW

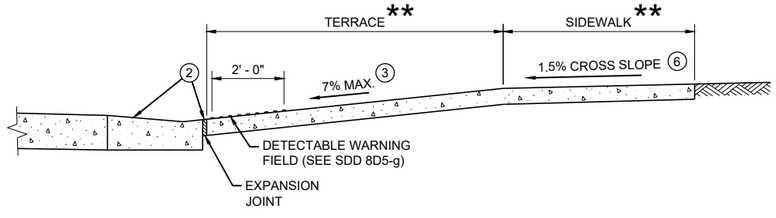
CURB RAMP TYPE 1 - A

(NO TERRACE)

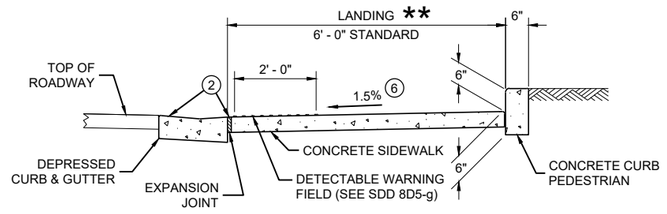


VIEW A - A FOR TYPE 1

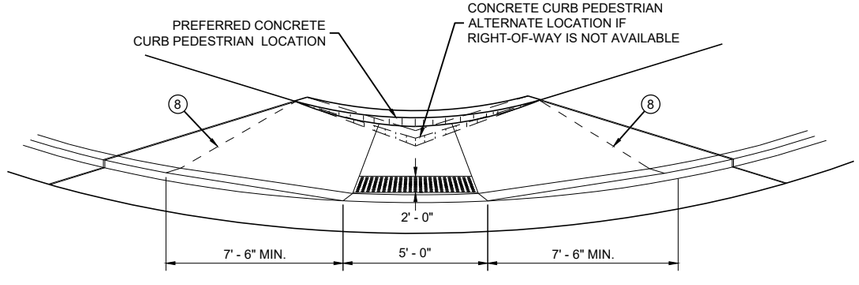
** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



SECTION C - C FOR TYPE 1 - A



VIEW D - D FOR TYPE 1 - A

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

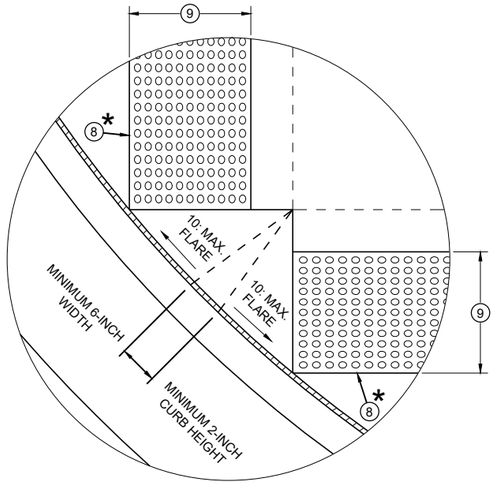
LEGEND

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

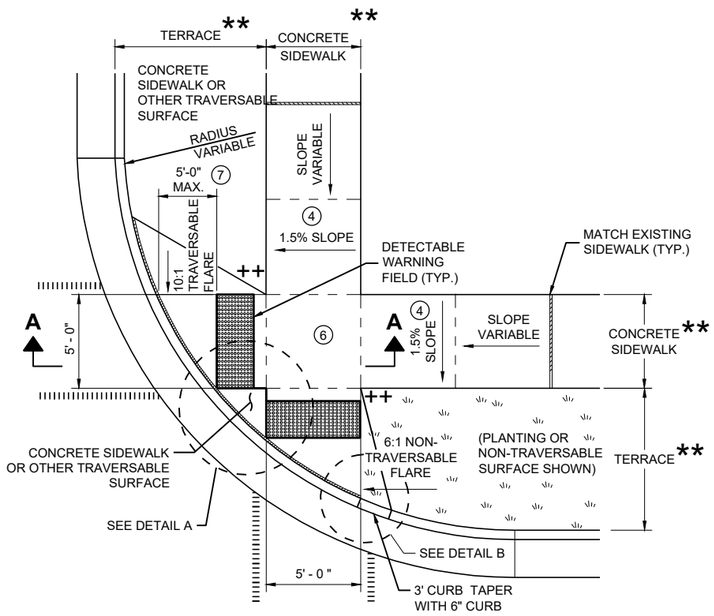
CURB RAMPS TYPE 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

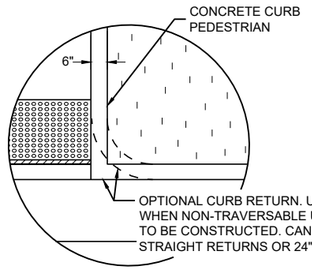
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SDD 08D05-21a



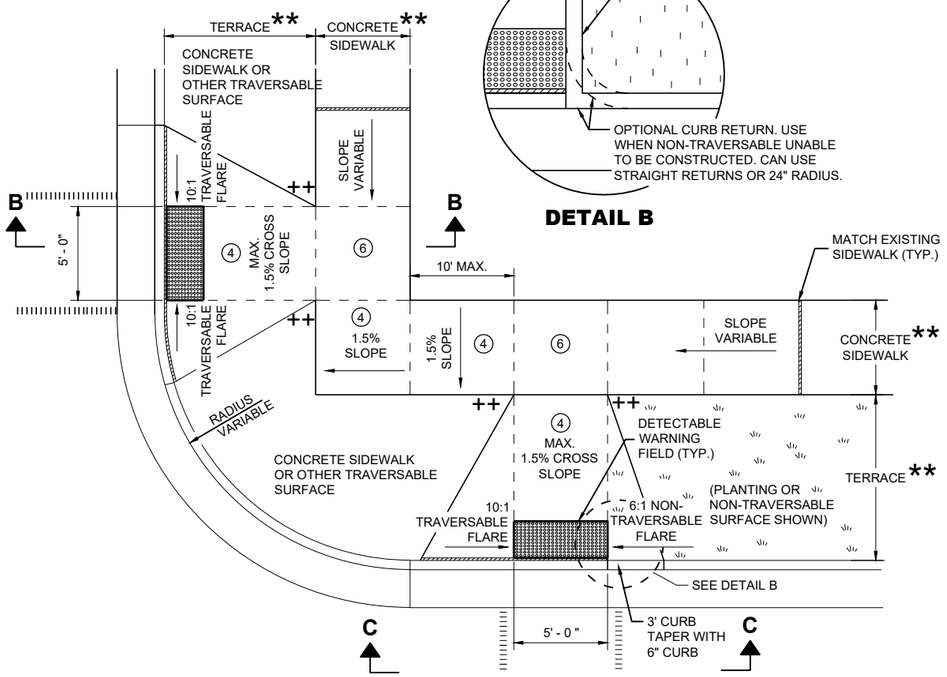
DETAIL A



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



DETAIL B



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

GENERAL NOTES

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

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

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

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

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

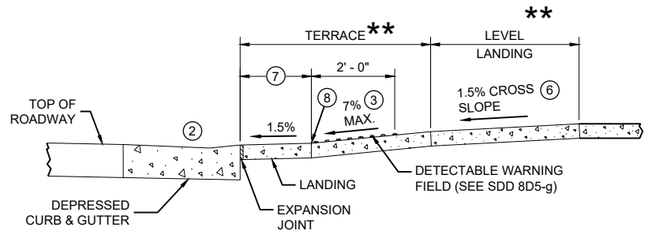
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

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

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

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

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

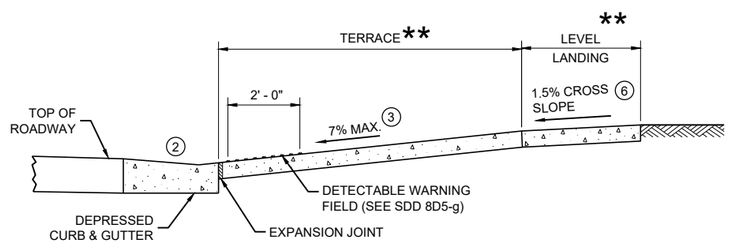


SECTION A - A FOR TYPE 2

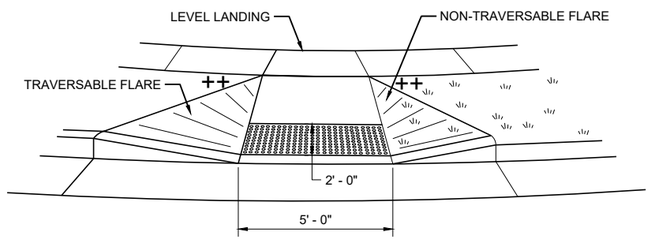
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



SECTION B - B FOR TYPE 3



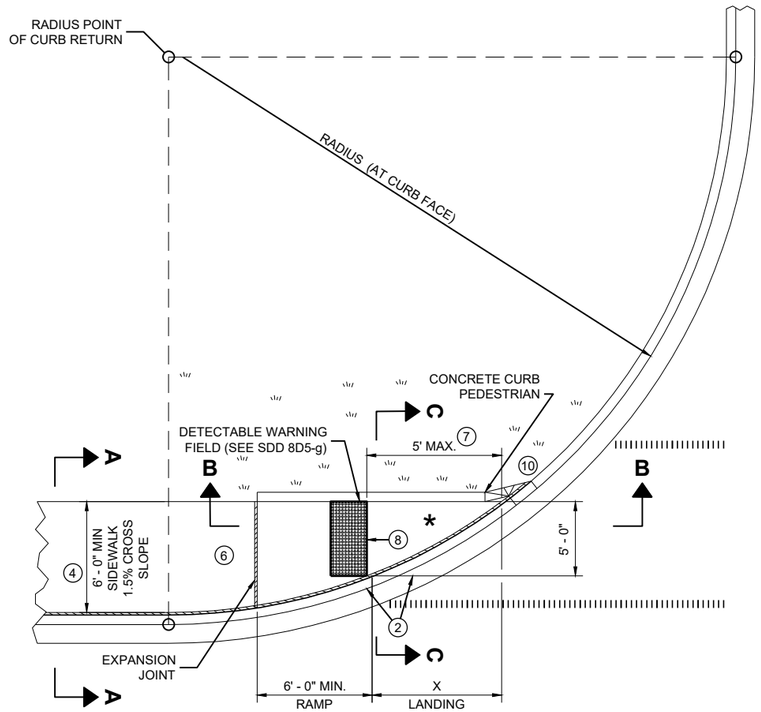
VIEW C - C FOR TYPE 3

LEGEND

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

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

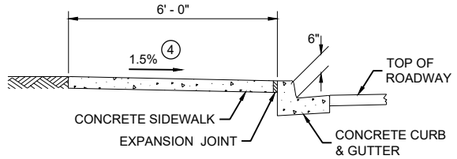


PLAN VIEW

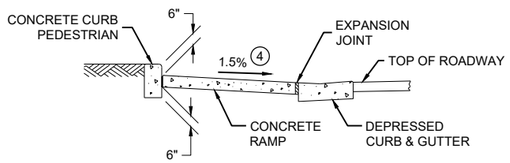
CURB RAMP TYPE 4A

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

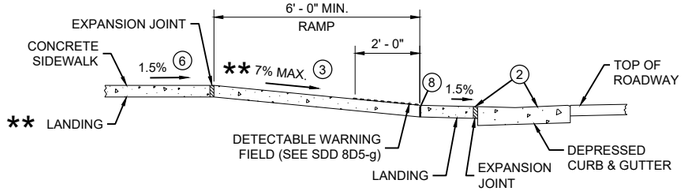
INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A



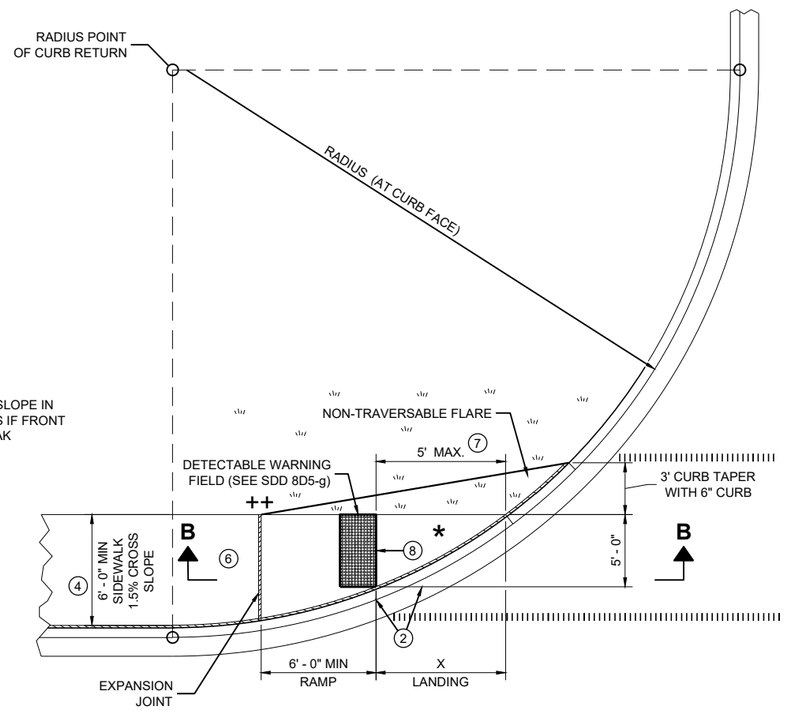
SECTION C - C FOR TYPE 4A



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

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

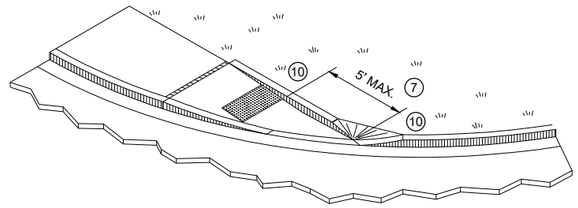
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK



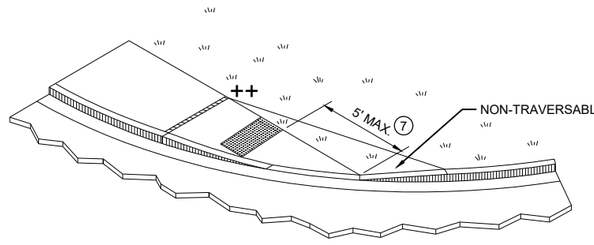
PLAN VIEW

CURB RAMP TYPE 4A1

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

LEGEND

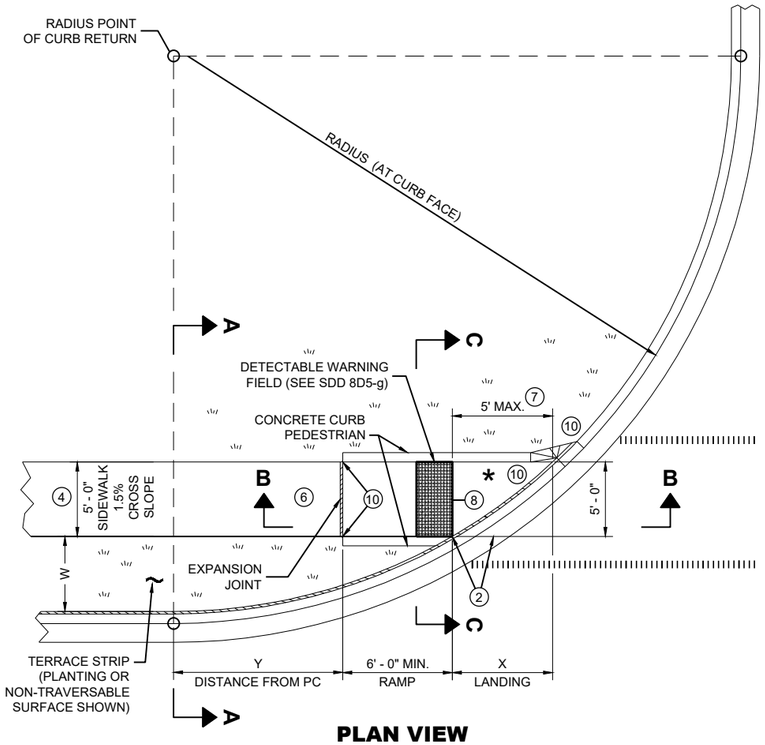
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 4A AND 4A1

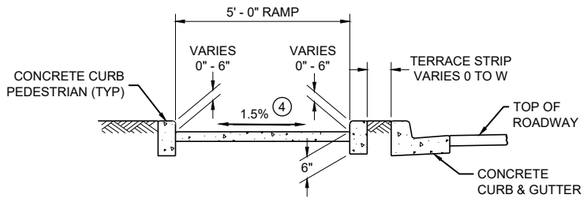
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



PLAN VIEW
CURB RAMP TYPE 4B

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

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



SECTION C - C FOR TYPE 4B

LEGEND

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

GENERAL NOTES

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

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

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

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

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

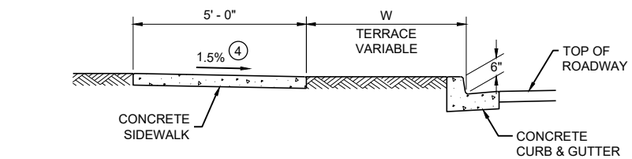
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

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

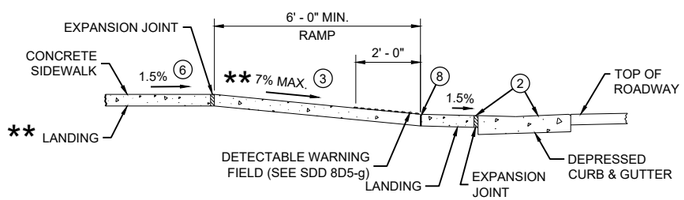
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

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

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

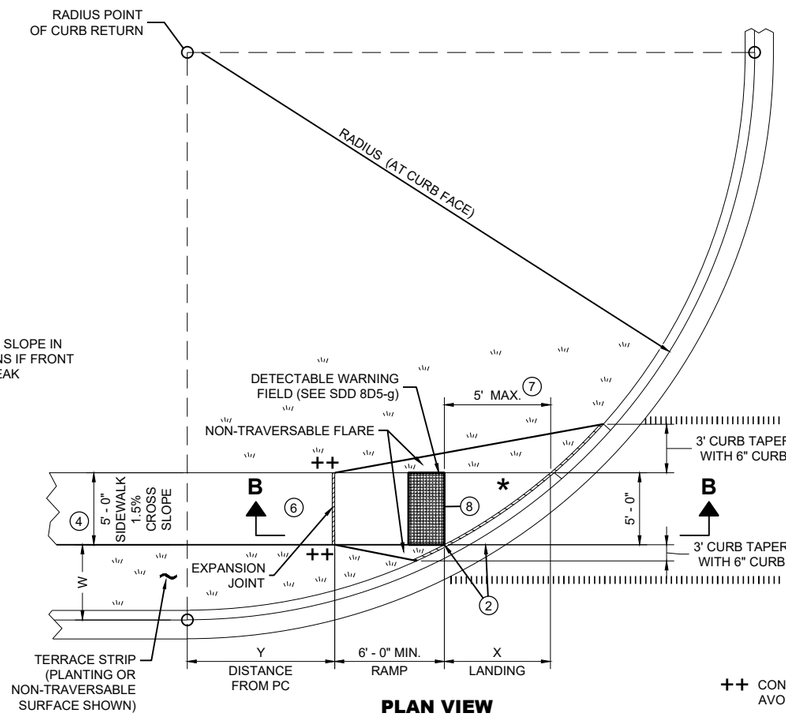


SECTION A - A FOR TYPE 4B



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

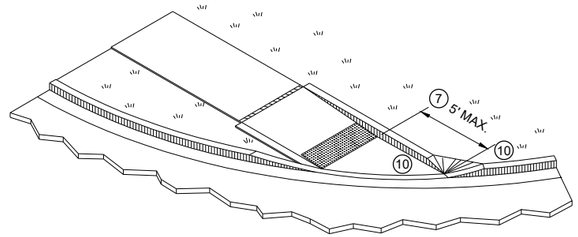
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED



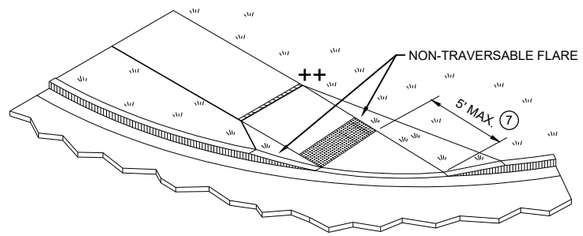
PLAN VIEW
CURB RAMP TYPE 4B1

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

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



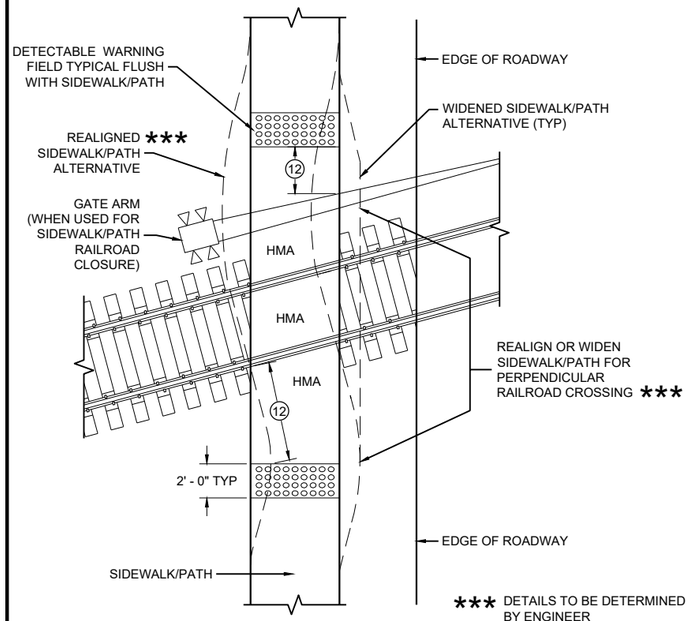
ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1

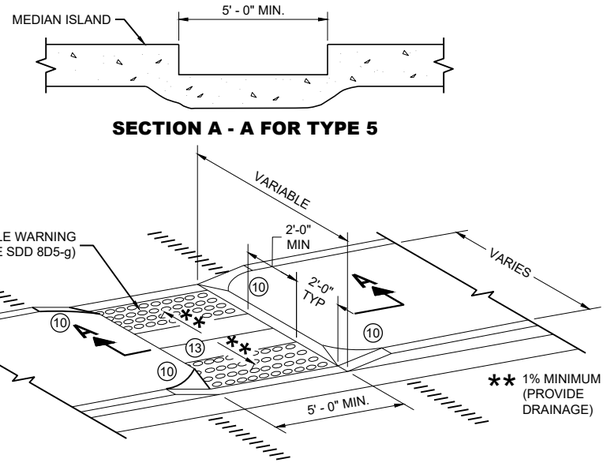
CURB RAMPS
TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



CURB RAMP TYPE 8

DETECTABLE WARNINGS FOR SIDEWALKS OR SHARED USE PATHS AT RAILROAD CROSSINGS



SECTION A - A FOR TYPE 5

CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

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

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

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

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

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

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

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

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

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

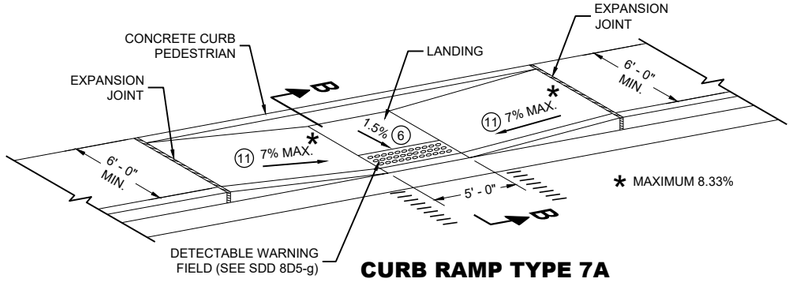
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

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

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

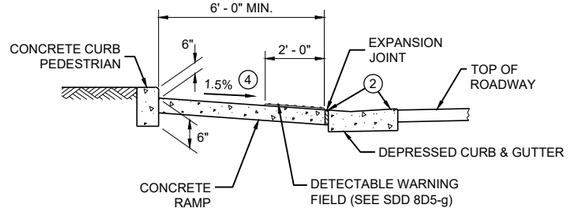
LEGEND

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

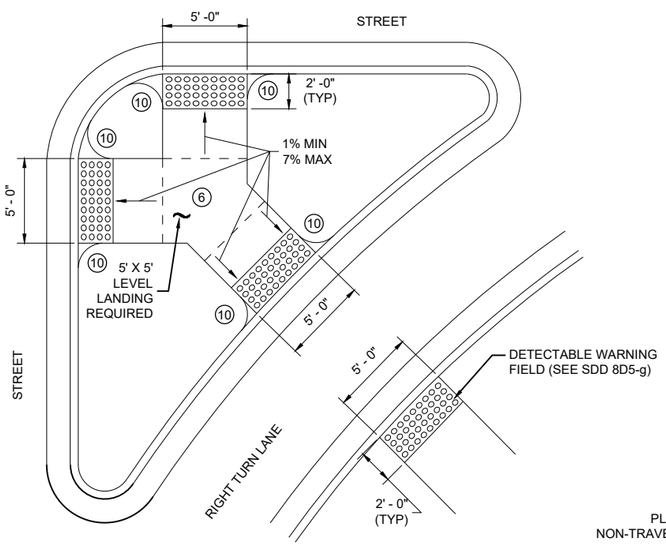


CURB RAMP TYPE 7A

FOR INTERSECTIONS AND MID BLOCK CROSSINGS



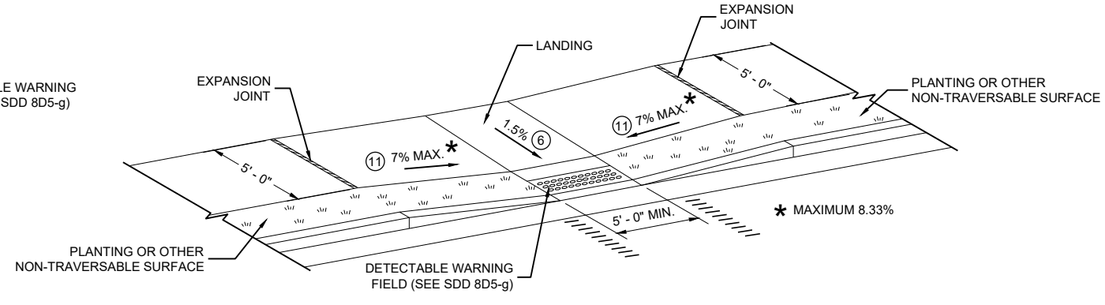
SECTION B - B FOR TYPE 7A



CURB RAMP TYPE 6

DETECTABLE WARNING AT ISLANDS

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



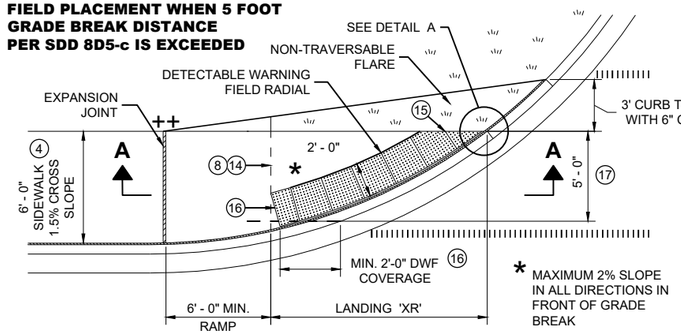
CURB RAMP TYPE 7B

FOR INTERSECTIONS AND MID BLOCK CROSSINGS

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

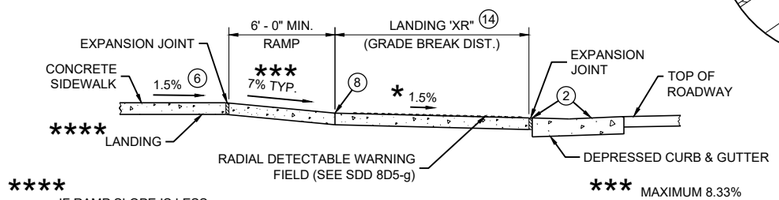
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

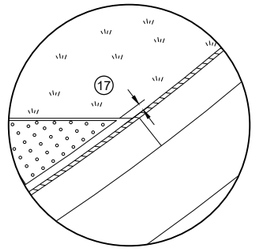


PLAN VIEW

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



SECTION A - A FOR TYPE 4A1



DETAIL A

LEGEND

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

GENERAL NOTES

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

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

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

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

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

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

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

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

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

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

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

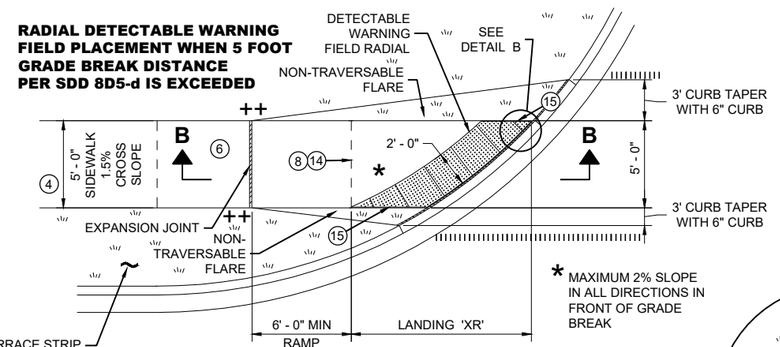
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

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

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

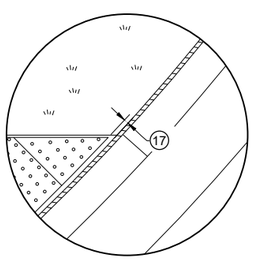
(17) A MAXIMUM 3 INCH CONCRETE BORDER WIDTH IS ALLOWABLE IN FRONT OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

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

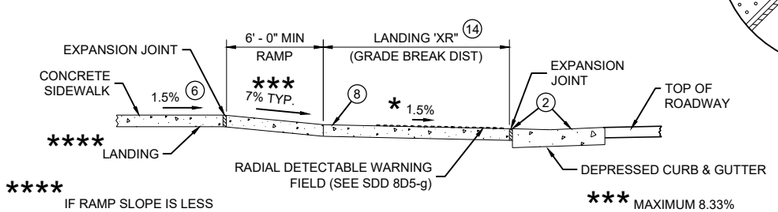


PLAN VIEW

CURB RAMP TYPE 4B1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

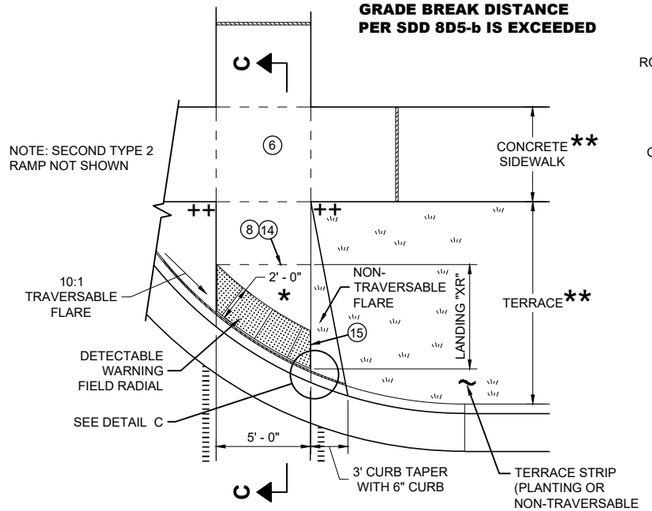


DETAIL B



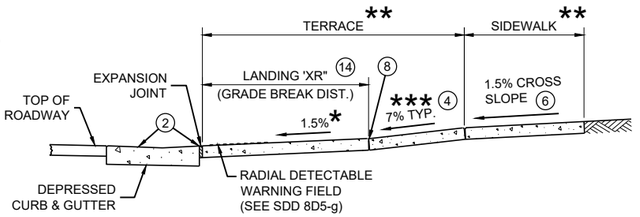
SECTION B - B FOR TYPE 4B1

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

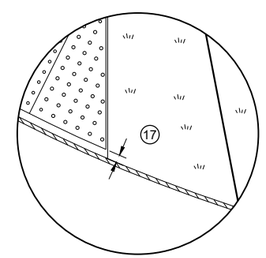


PLAN VIEW

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



SECTION C - C FOR TYPE 2



DETAIL C

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

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

CURB RAMPS
RADIAL DETECTABLE WARNING

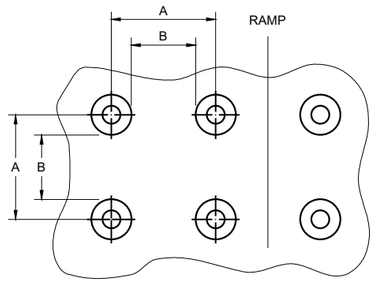
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

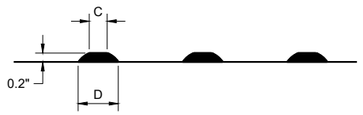
SDD 08D05-21f

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

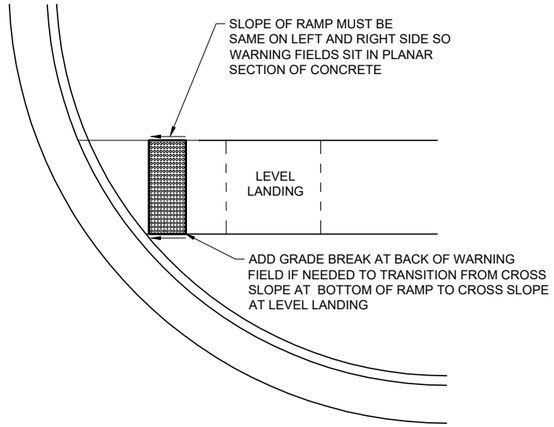
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



PLAN VIEW



ELEVATION VIEW



DETECTABLE WARNING FIELD
PLANAR INSTALLATION

GENERAL NOTES

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

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

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

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

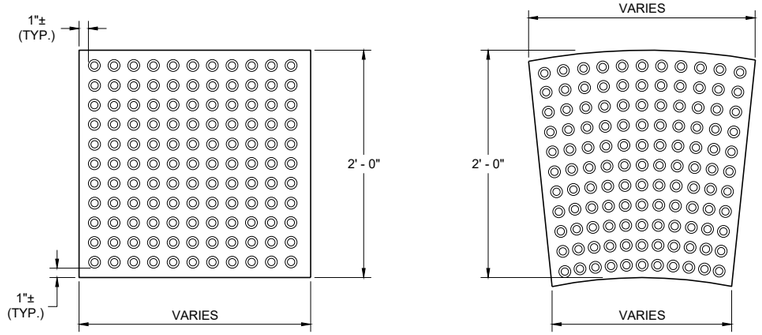
FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE.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

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

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

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

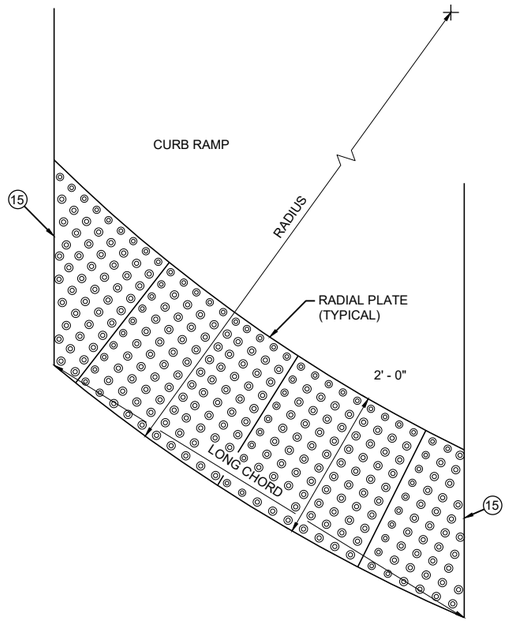
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



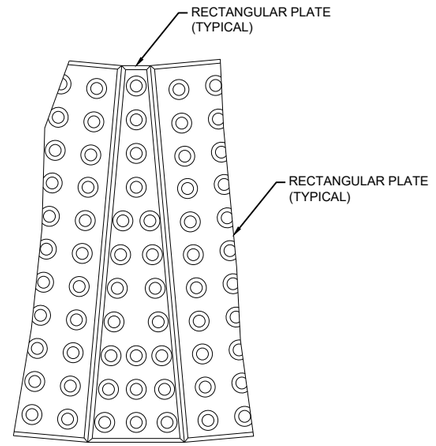
RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

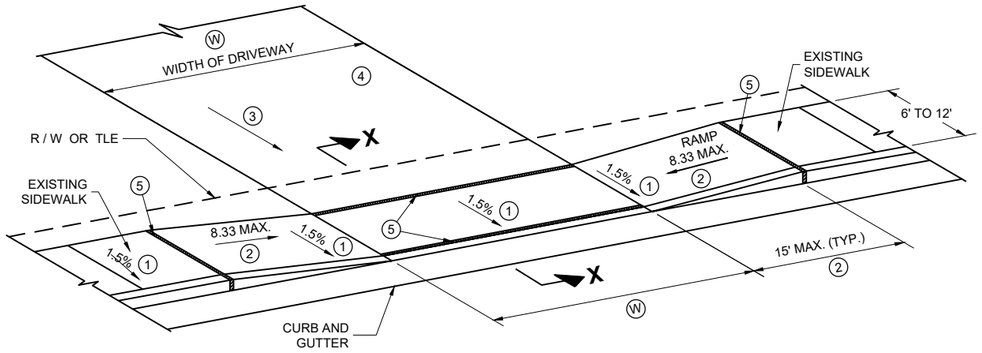
CURB RAMPS
RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

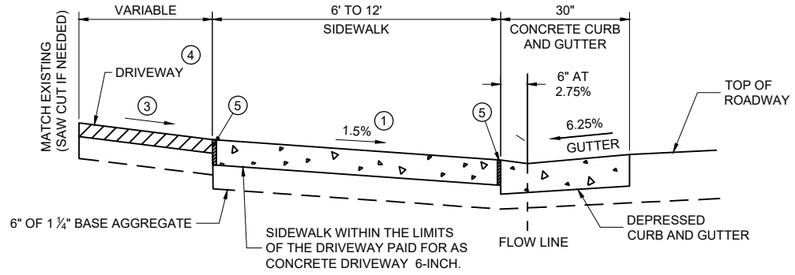
APPROVED
July 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

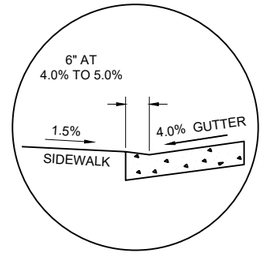
6
SDD 08D05-21g



TYPE X
SIDEWALK ABUTS CURB AND GUTTER
TERRACE VARIES 0 TO 3 FEET



SECTION X - X



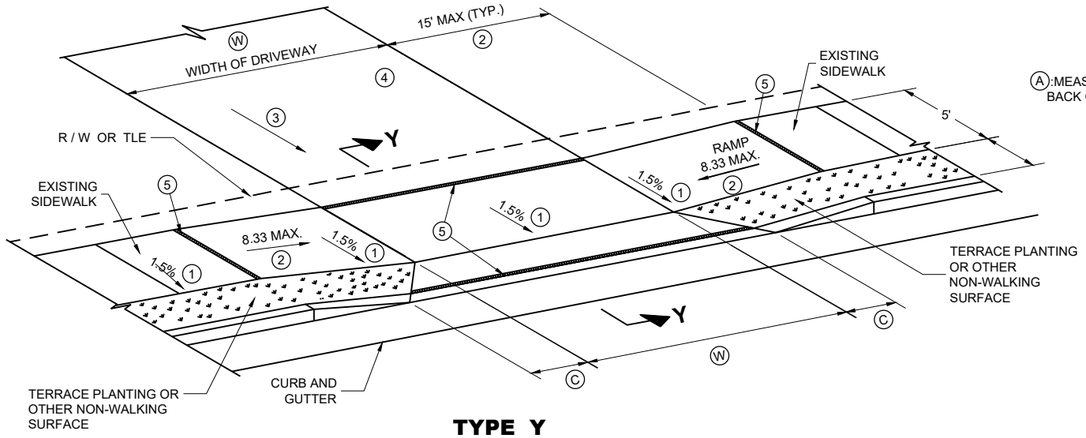
SECTION X - X
4% GUTTER SLOPE

Ⓦ: 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

16' MIN. - 35' MAX. COMMERCIAL (CE)

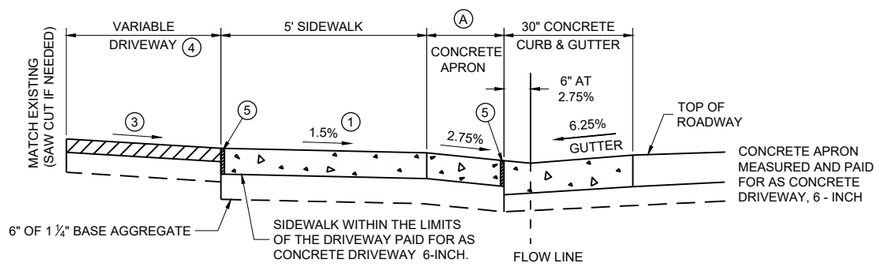
TABLE Y

Ⓐ FEET	Ⓒ FEET
3.5'	2.0'
4.5'	3.0'
5.5'	3.5'

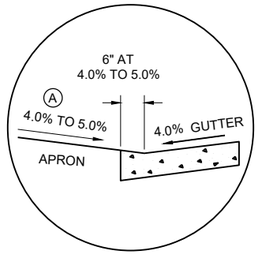


TYPE Y
SIDEWALK WITH NARROWER TERRACE
TERRACE VARIES 4 TO 6 FEET

Ⓐ: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%.

② THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY. SLOPE SIDEWALK RAMP TOWARD APRON AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

③ DRIVEWAY SLOPES: DESIRABLE MAXIMUM
- 10.5% UP AWAY FROM SIDEWALK (SAG)
- 8.5% DOWN AWAY FROM SIDEWALK (CREST)
- ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

④ DRIVEWAY TYPES
- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES.)

⑤ ½" EXPANSION JOINT FILLER

DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y

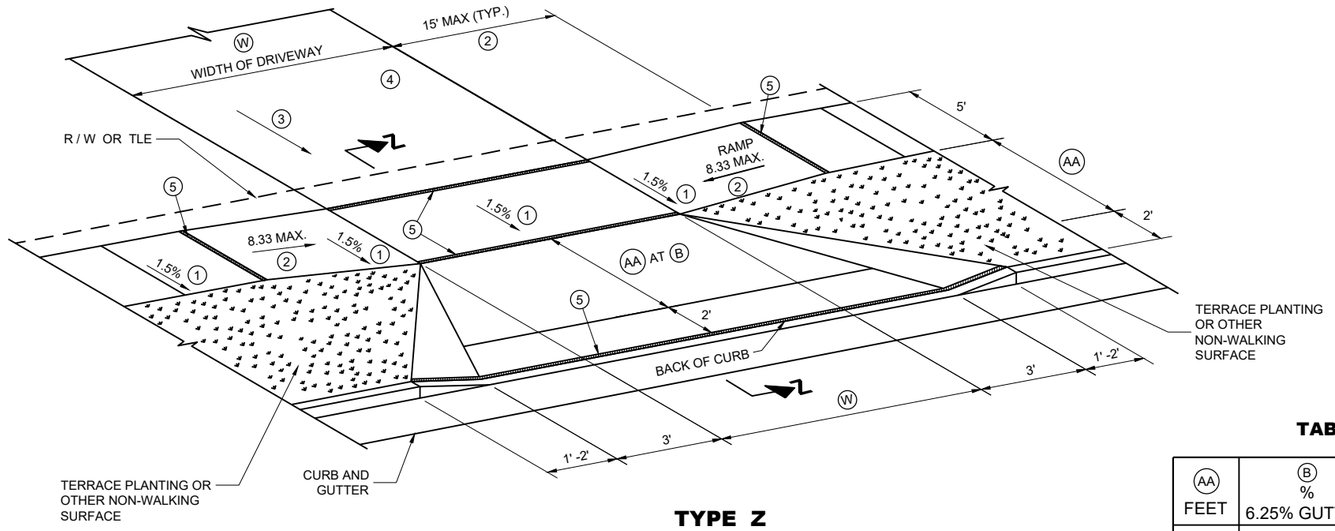
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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SDD 08D18-04



TYPE Z

SIDEWALK WITH WIDER TERRACE
TERRACE VARIES 7 TO 12 FEET

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.

(W) IS SHOWN ON PLAN AND PROFILE SHEETS.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

(1) CONSTRUCTION TOLERANCE OF 0.5%± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

(2) THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY.

(3) DRIVEWAY SLOPES: DESIRABLE MAXIMUM
- 10.5% UP AWAY FROM SIDEWALK (SAG)
- 8.5% DOWN AWAY FROM SIDEWALK (CREST)
- ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

(4) DRIVEWAY TYPES
- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES.)

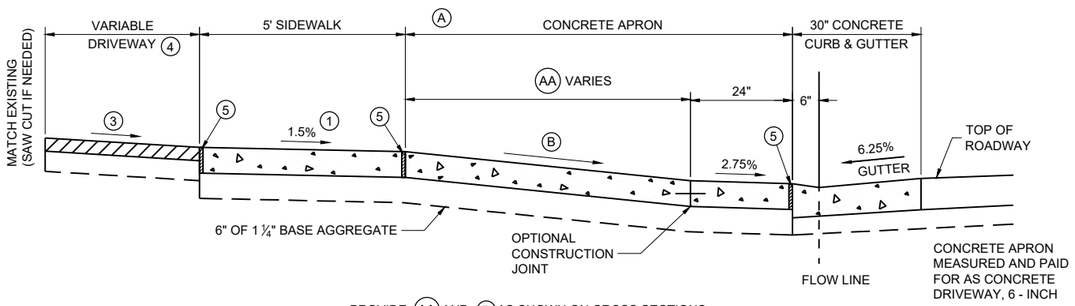
(5) ½" EXPANSION JOINT FILLER.

TABLE Z

(AA) FEET	(B) % 6.25% GUTTER	(B) % 4% GUTTER
4.5'	11.5%	9% TO 11.5%
5.5'	9% TO 11.5%	8% TO 11.5%
6.5'	8% TO 11.5%	6% TO 11.5%
7.5'	7% TO 11.5%	6% TO 11.5%
8.5'	6% TO 11.5%	5% TO 11.5%
9.5'	5% TO 11.5%	4% TO 11.5%

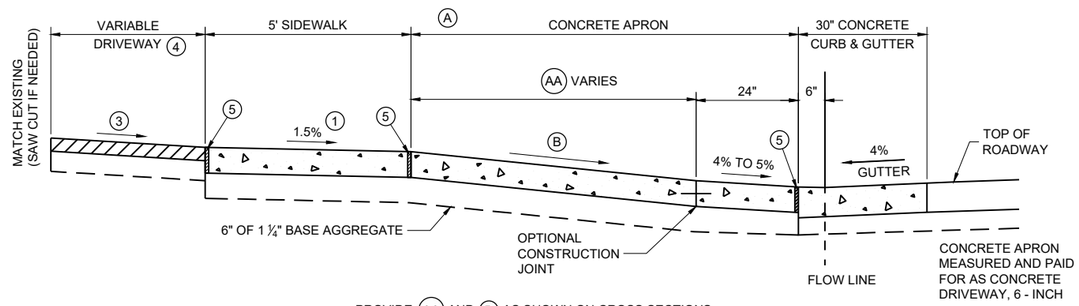
(W): 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

16' MIN. - 35' MAX. COMMERCIAL (CE)



PROVIDE (AA) AND (B) AS SHOWN ON CROSS SECTIONS.

6.25% GUTTER SLOPE



PROVIDE (AA) AND (B) AS SHOWN ON CROSS SECTIONS.

4% GUTTER SLOPE

NOTE: SIDEWALK MY BE DEPRESSED IN DRIVEWAY AREAS FOR (B) VALUES NOT SHOWN IN TABLE Z.

SIDEWALK WITHIN THE LIMITS OF THE DRIVEWAY PAID FOR AS CONCRETE DRIVEWAY 6-INCH.

SECTION Z - Z

DRIVEWAY DETAIL WITH CONCRETE CURB AND GUTTER

(URBAN AND SUBURBAN)

DRIVEWAY AND SIDEWALK RAMPS TYPE Z

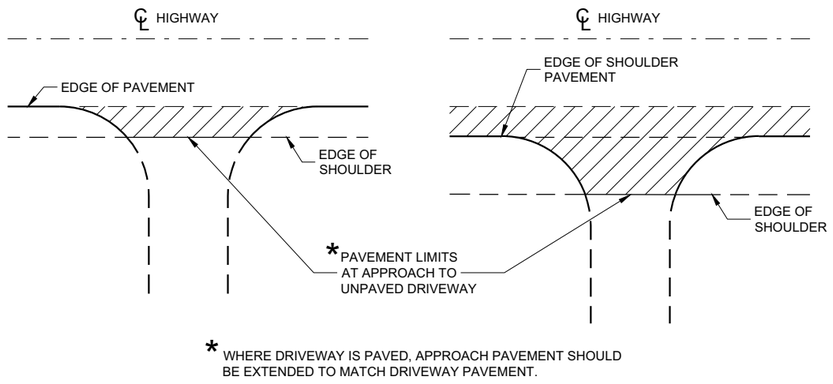
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2023 — DATE
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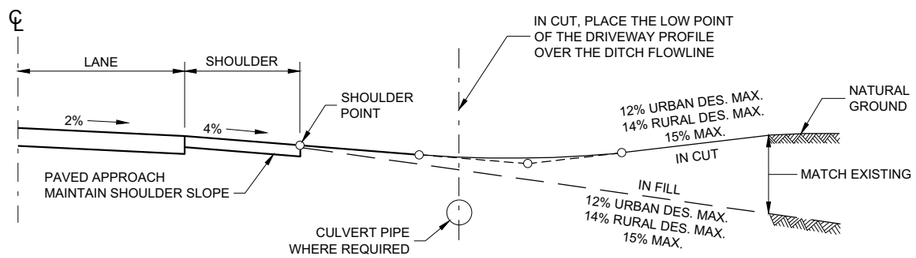
SDD 08D19-04



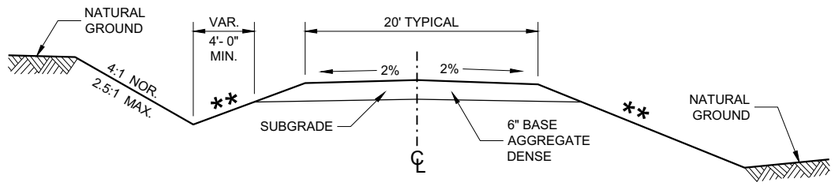
PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

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



TYPICAL DRIVEWAY PROFILES

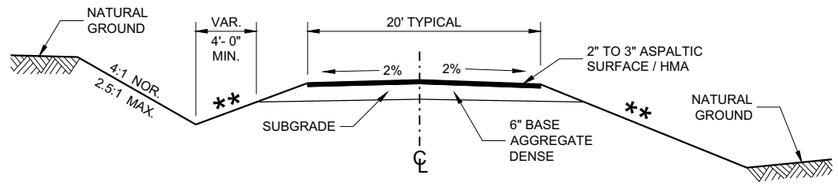


IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE AGGREGATE SURFACE

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

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



IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE ASPHALTIC SURFACE

6

SDD 08D21 - 01

6

SDD 08D21 - 01

DRIVEWAYS WITHOUT CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

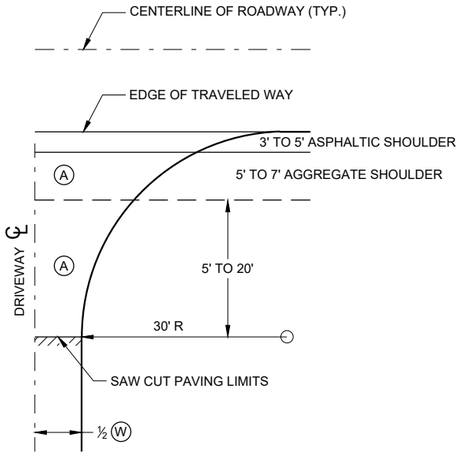
APPROVED
December 2017
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

FHWA

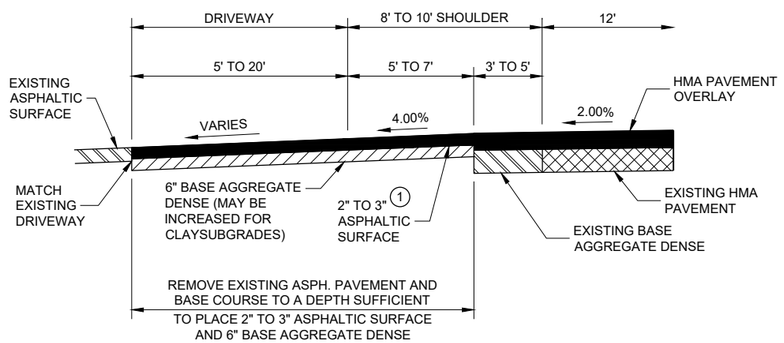
GENERAL NOTES

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



PLAN VIEW

HALF SECTION



PROFILE VIEW

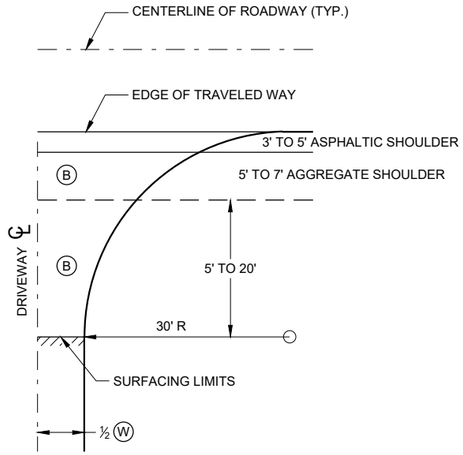
RURAL ENTRANCE WITH ASPHALTIC SURFACE

RESURFACING PROJECTS

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

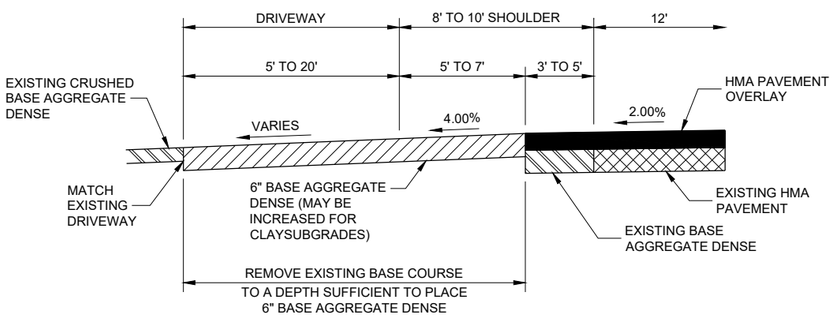
(B) : PAID FOR AS BASE AGGREGATE DENSE 1 ¼" (TON)

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



PLAN VIEW

HALF SECTION



PROFILE VIEW

RURAL ENTRANCE WITH AGGREGATE SURFACE

6" BASE AGGREGATE DENSE

RESURFACING PROJECTS

DRIVEWAYS WITHOUT CURB AND GUTTER RESURFACING PROJECTS RURAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

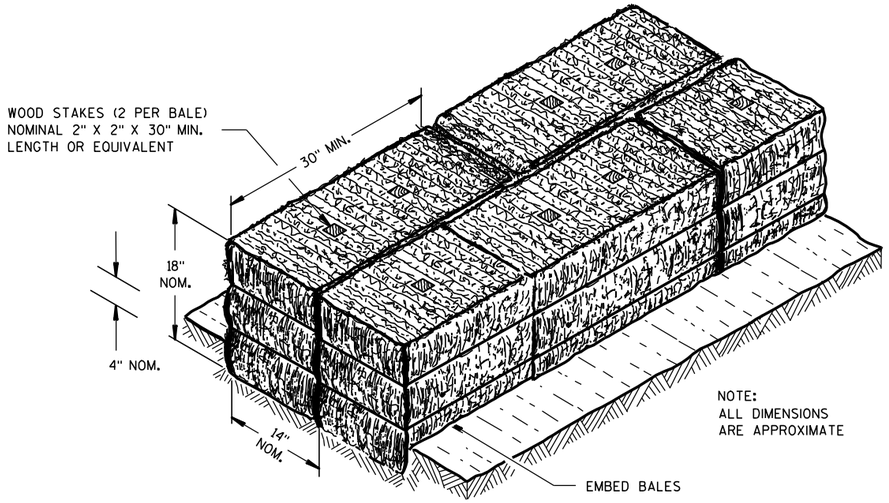
APPROVED
December 2016
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

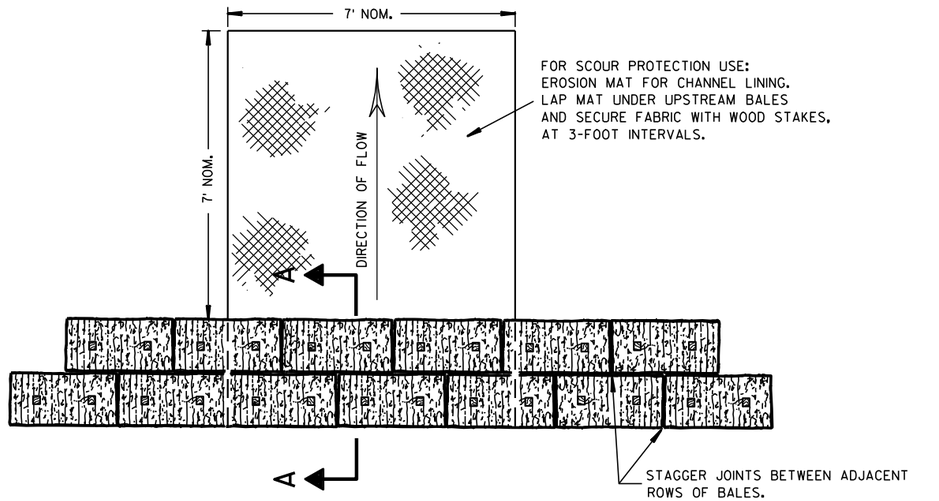
FHWA

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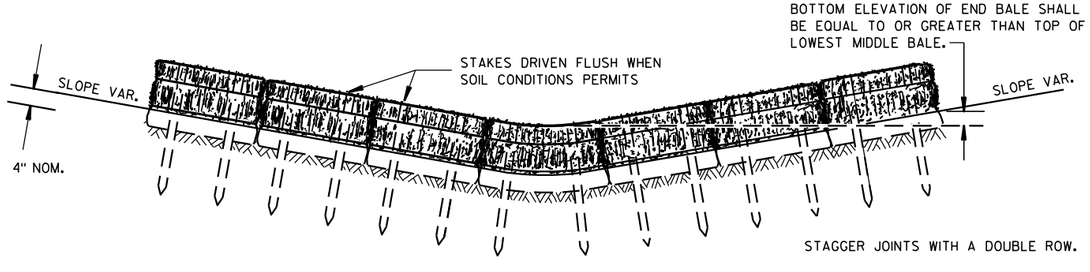
SDD 08D22 - 01



SECTION A-A



PLAN VIEW



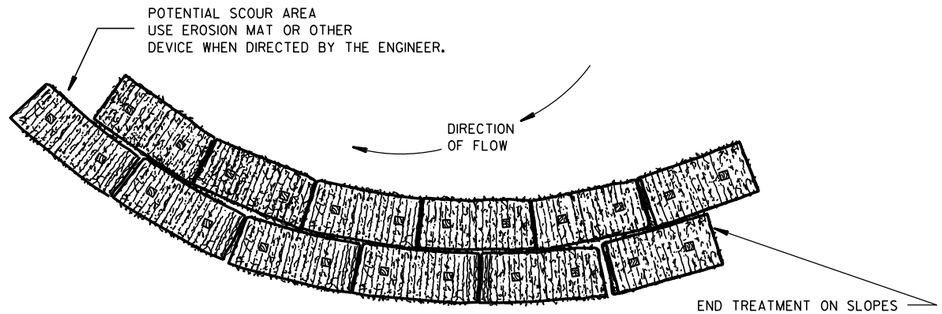
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

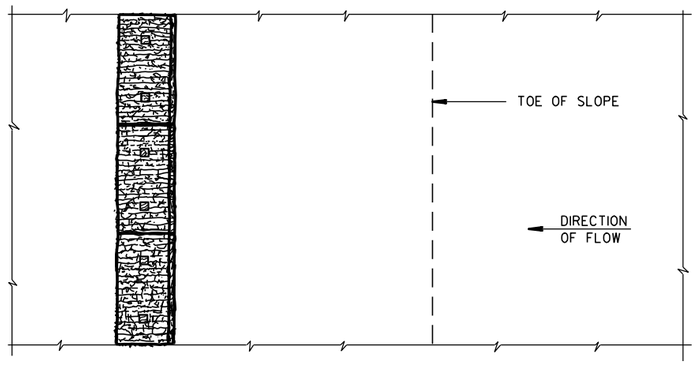
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

① TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

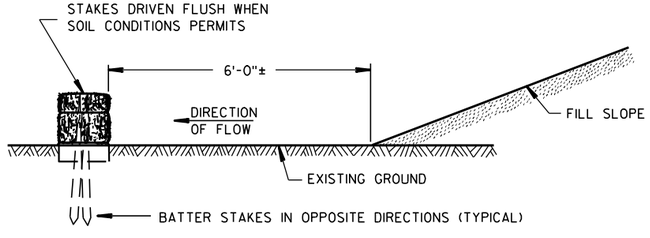


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

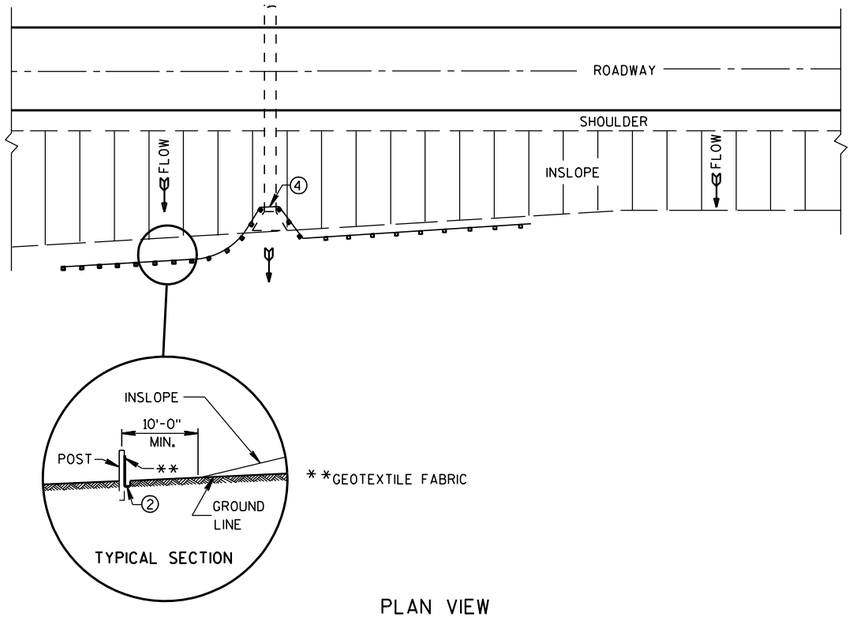
6/04/02 — DATE

/S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER

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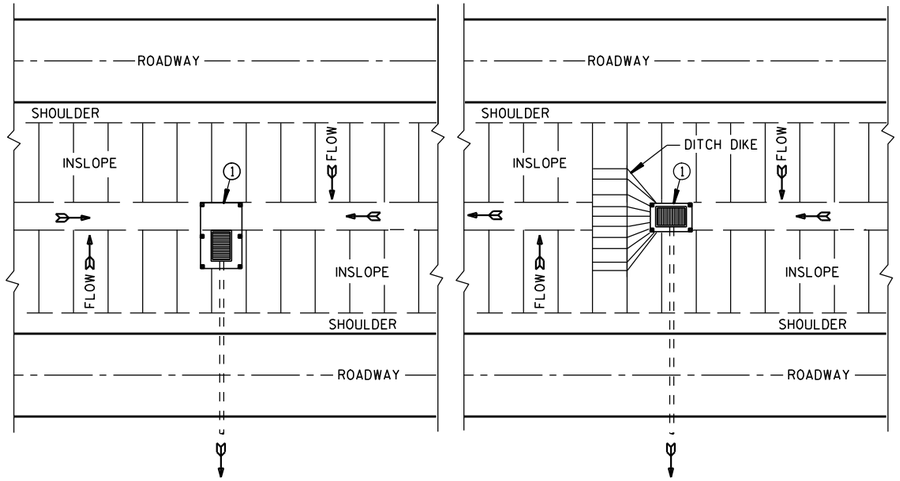
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S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



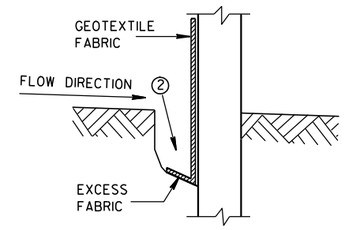
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

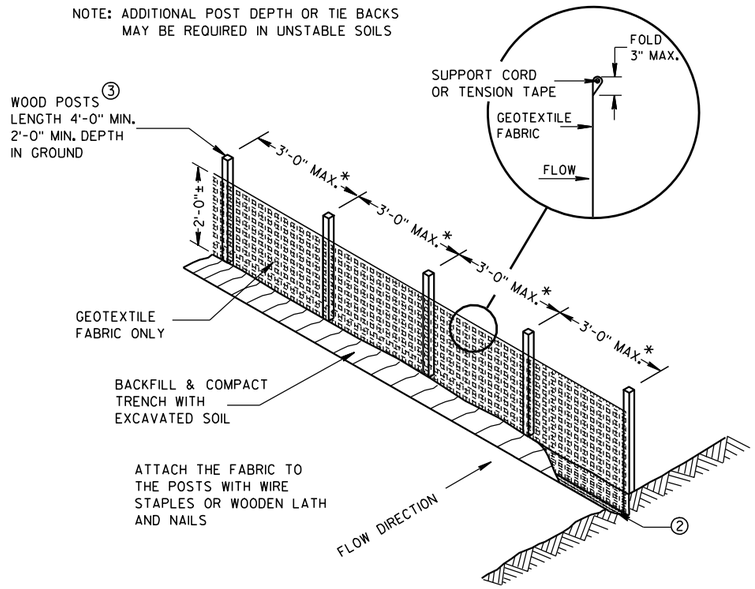
GENERAL NOTES

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

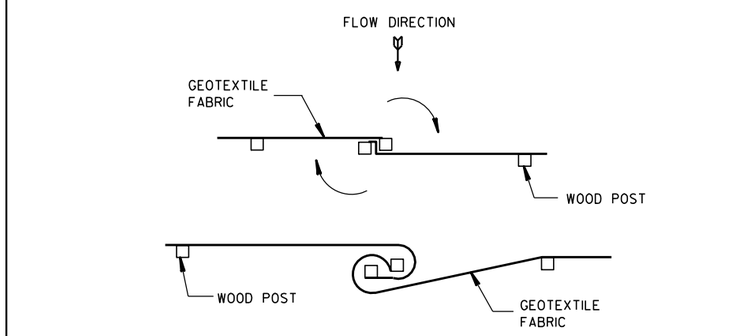
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



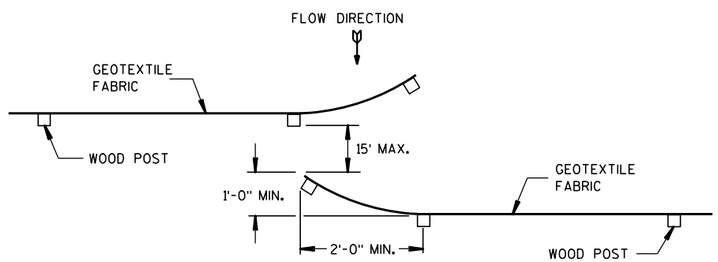
TRENCH DETAIL



SILT FENCE

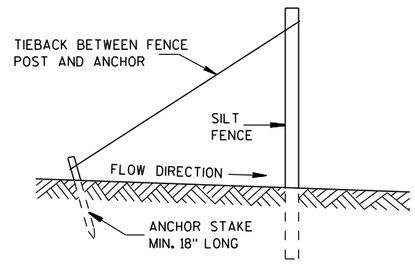


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

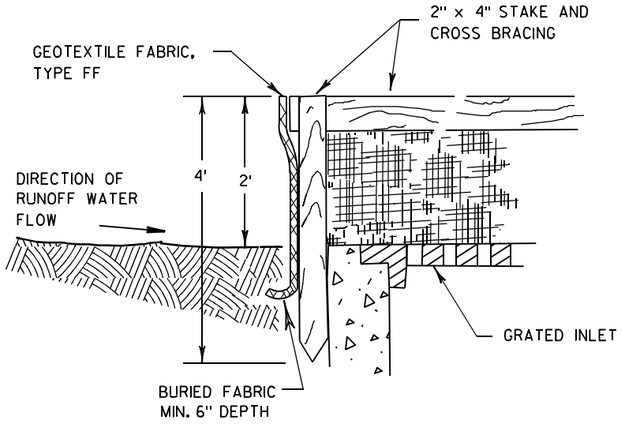
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

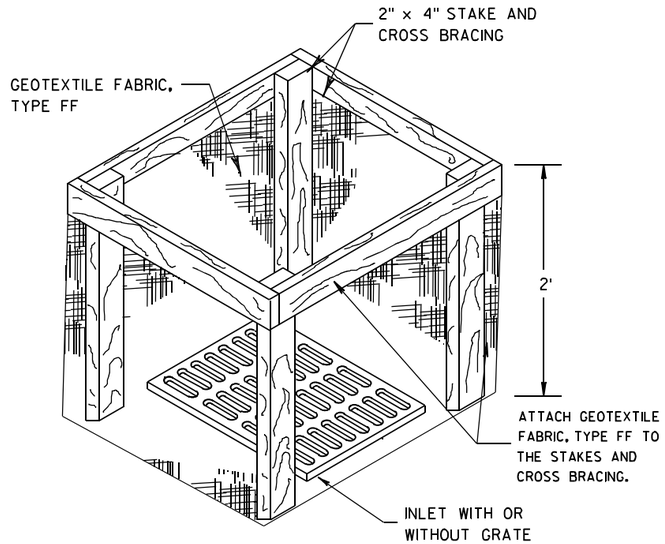
6

S.D.D. 8 E 9-6

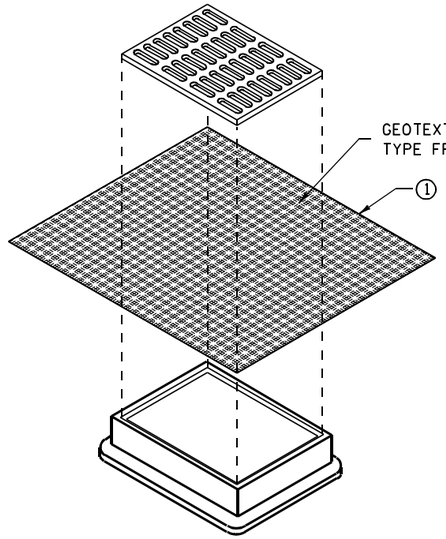
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S.D.D. 8 E 9-6



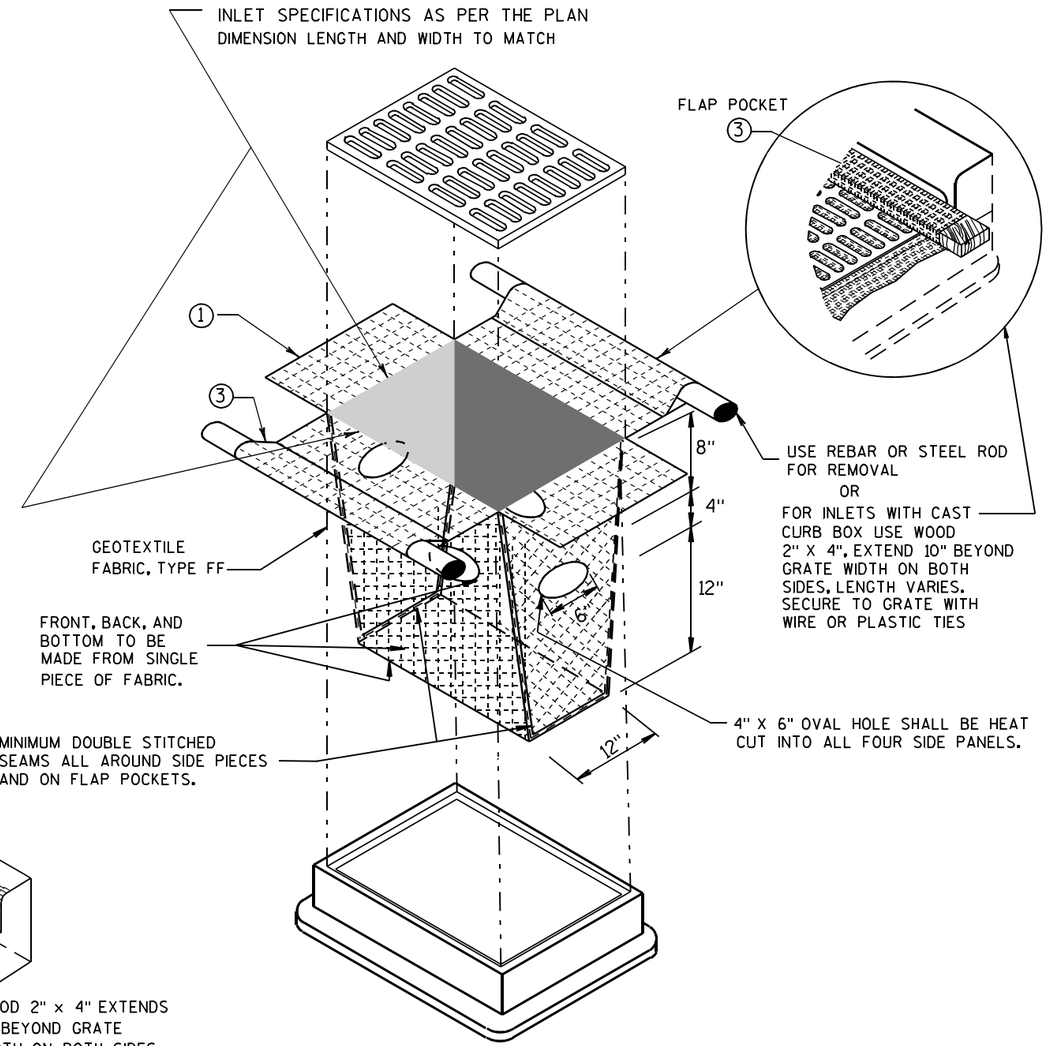


INLET PROTECTION, TYPE A



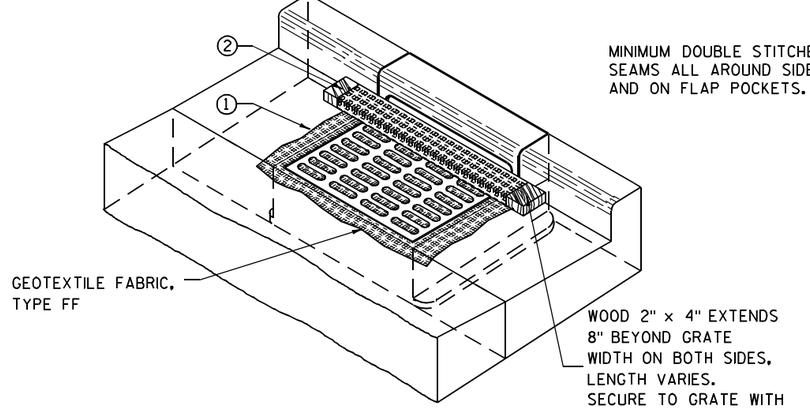
INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE 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.

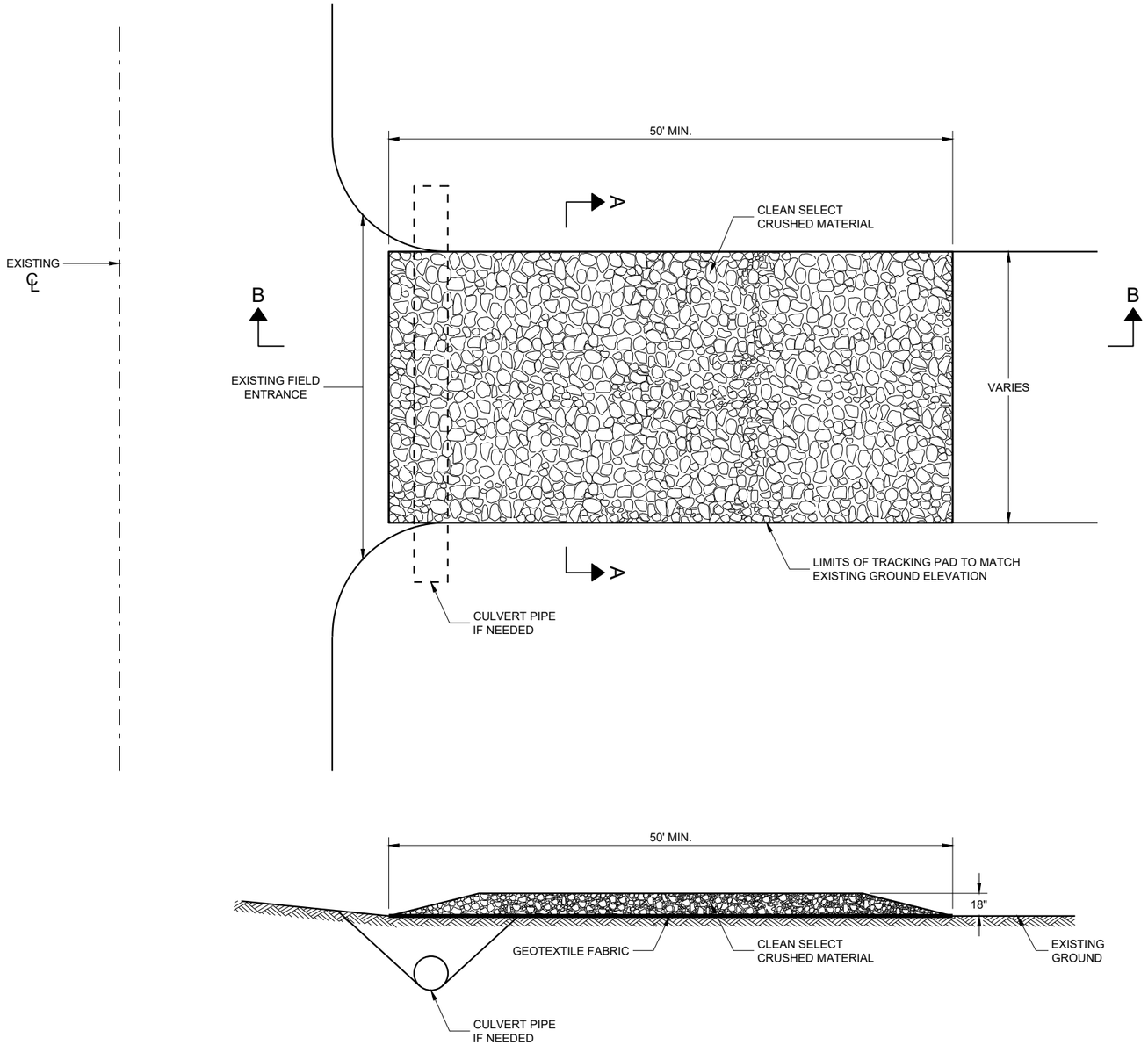
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE 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



SECTION B - B

GENERAL NOTES

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

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

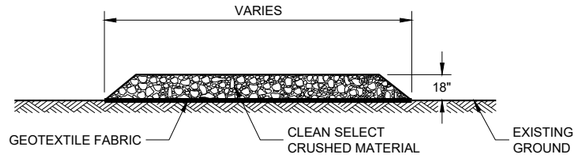
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A - A

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/24/2011 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVE ENGINEER

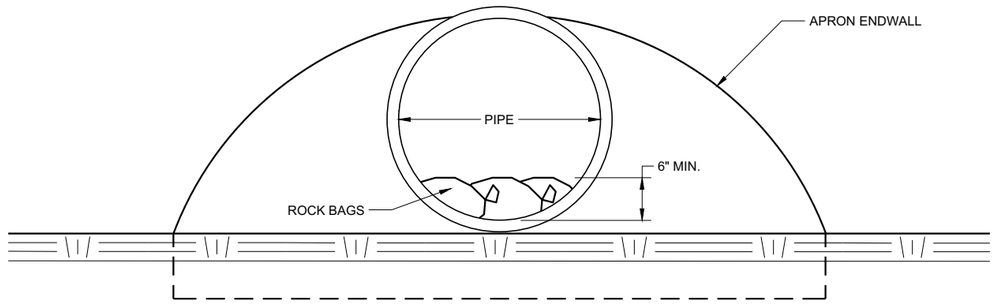
FHWA

6

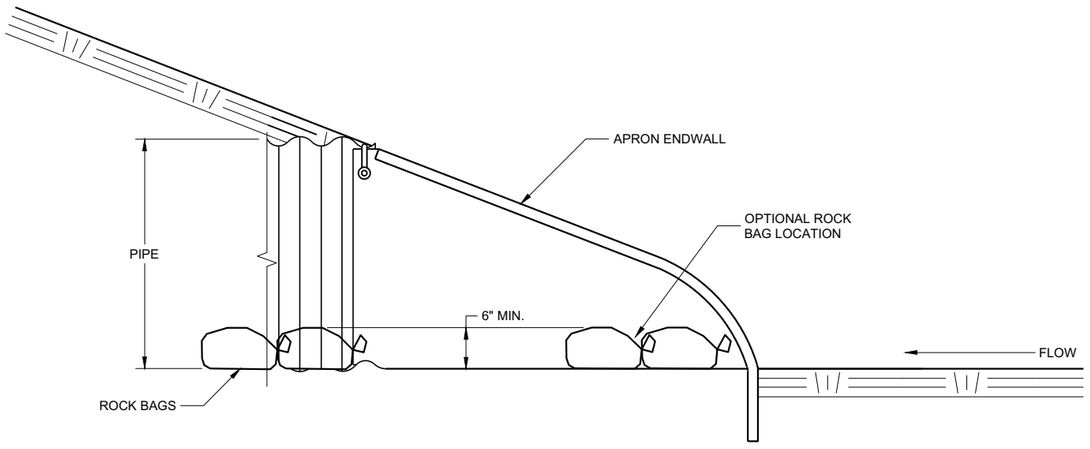
SDD 08E14 - 01

6

SDD 08E14 - 01



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2019 DATE	/S/ Daniel Schave EROSION CONTROL ENGI
FHWA	

6

SDD 08E15 - 01

METAL APRON ENDWALLS

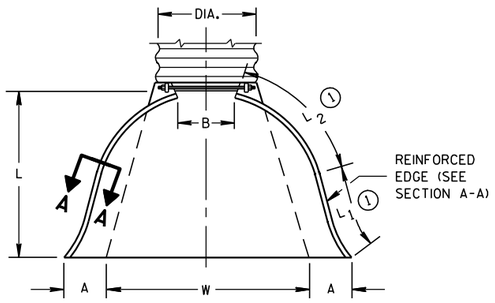
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

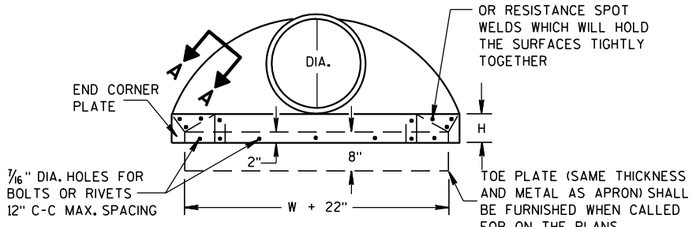
REINFORCED CONCRETE APRON ENDWALLS

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

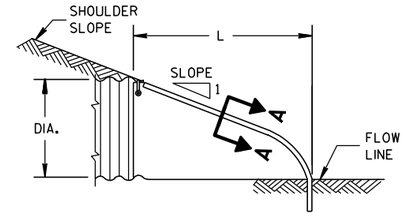
*MINIMUM
**MAXIMUM



PLAN VIEW

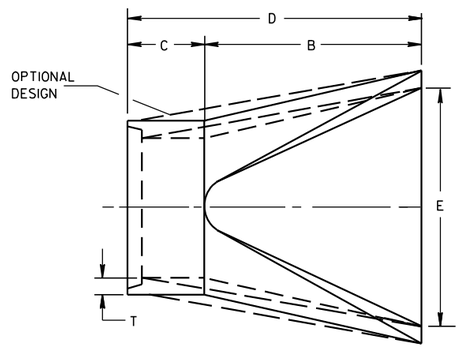


END VIEW

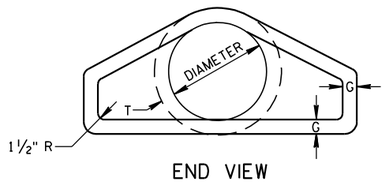


SIDE ELEVATION

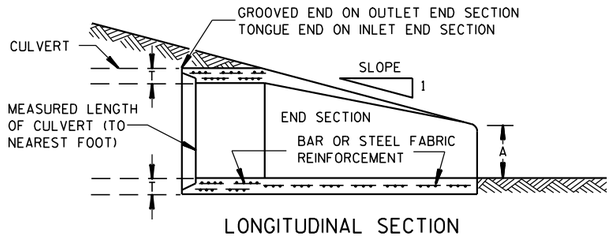
METAL ENDWALLS



PLAN

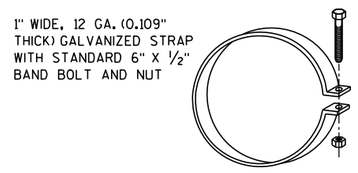


END VIEW



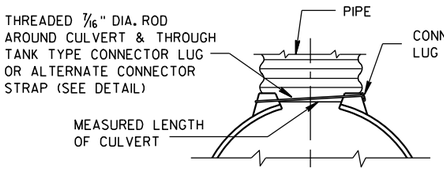
LONGITUDINAL SECTION

CONCRETE ENDWALLS

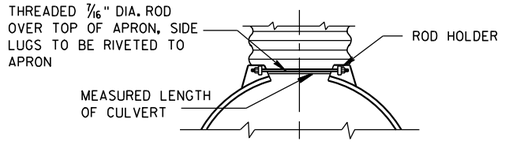


ALTERNATE FOR TYPE 1 CONNECTION

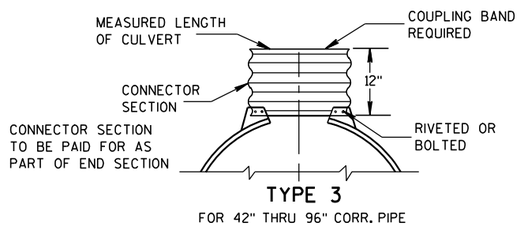
END SECTION CONNECTOR STRAP



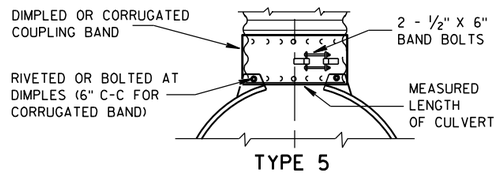
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

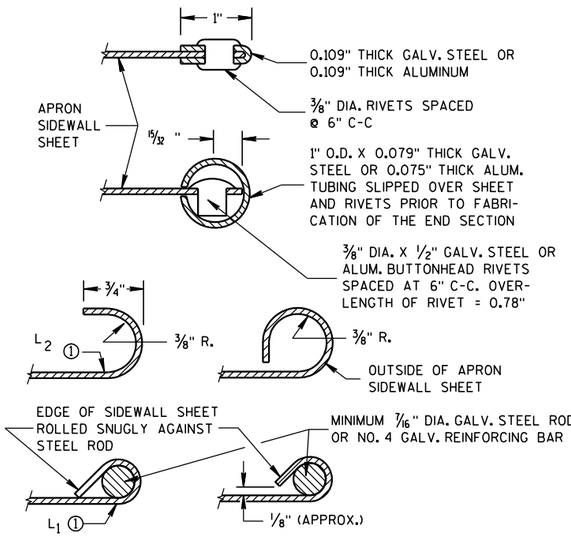
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

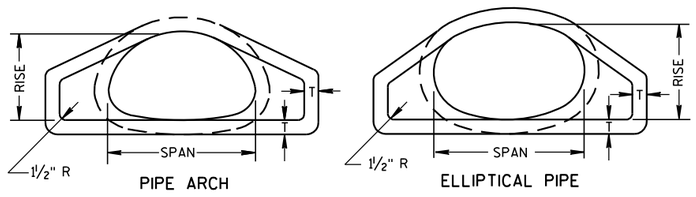
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

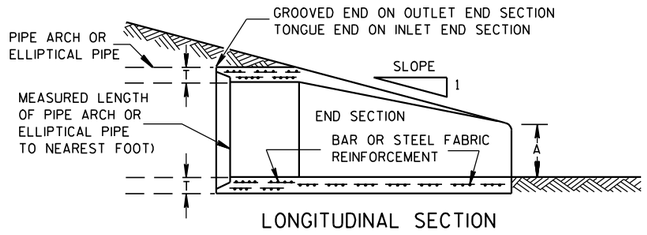
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

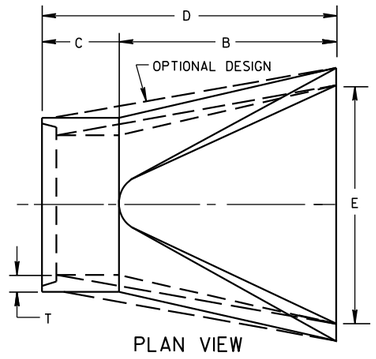
6
S.D.D. 8 F 1-11



END VIEW

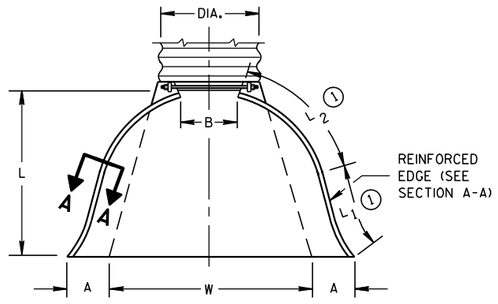


LONGITUDINAL SECTION

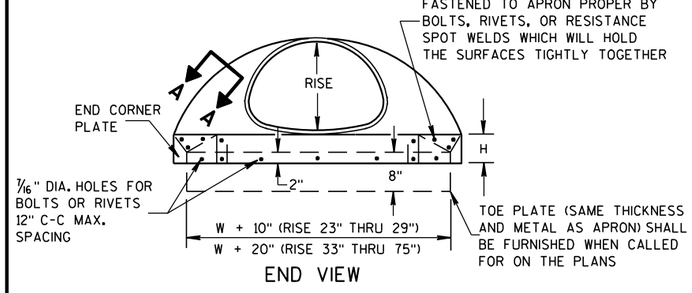


PLAN VIEW

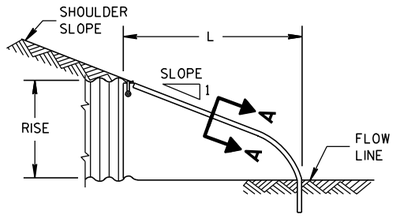
CONCRETE ENDWALLS



PLAN VIEW

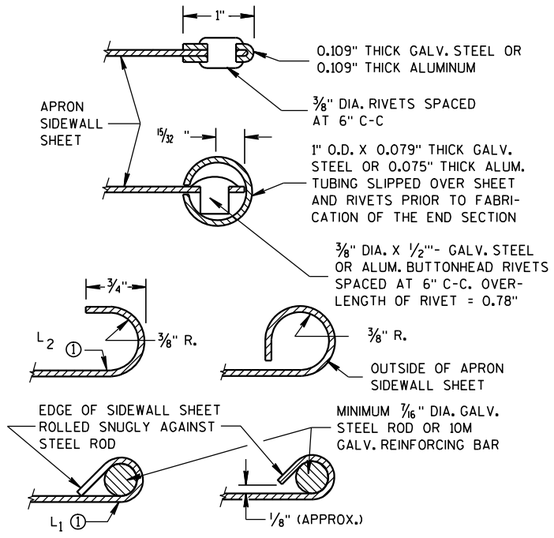


END VIEW



SIDE ELEVATION

METAL ENDWALLS



SECTION A-A

2- 2/3" X 1/2" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
15	17	13	.064	.060	7	9	6	19	14	16	30	2½ to 1	1 Pc.
18	21	15	.064	.060	7	10	6	23	14	19⅜	36	2½ to 1	1 Pc.
21	24	18	.064	.060	8	12	6	28	18	21¾	42	2½ to 1	1 Pc.
24	28	20	.064	.060	9	14	6	32	18	27½	48	2½ to 1	1 Pc.
30	35	24	.079	.075	10	16	6	39	18	37⅝	60	2½ to 1	1 Pc.
36	42	29	.079	.075	12	18	8	46	24	45⅜	75	2½ to 1	1 Pc.
42	49	33	.109	.105	13	21	9	53	24	54¾	85	2½ to 1	2 Pc.
48	57	38	.109	.105	18	26	12	63	24	68	90	2½ to 1	3 Pc.
54	64	43	.109	.105	18	30	12	70	24	72¾	102	2¼ to 1	3 Pc.
60	71	47	.109*	.105*	18	33	12	77	30	82¼	114	2¼ to 1	3 Pc.
66	77	52	.109*	.105*	18	36	12	77	—	—	126	2 to 1	3 Pc.
72	83	57	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.

3" X 1" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
48	53	41	.109	.105	18	26	12	63	24	72¾	90	2½ to 1	2 Pc.
54	60	46	.109	.105	18	30	12	70	30	82¼	102	2 to 1	2 Pc.
60	66	51	.109*	.105*	18	33	12	77	—	—	114	1½ to 1	3 Pc.
66	73	55	.109*	.105*	18	36	12	77	—	—	126	1½ to 1	3 Pc.
72	81	59	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.
78	87	63	.109*	.105*	22	38	12	77	—	—	148	1½ to 1	3 Pc.
84	95	67	.109*	.105*	22	34	12	77	—	—	162	1½ to 1	3 Pc.
90	103	71	.109*	.105*	22	38	12	77	—	—	174	1½ to 1	3 Pc.
96	112	75	.109*	.105*	24	40	12	77	—	—	174	1½ to 1	3 Pc.

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

* EXCEPT CENTER PANEL SEE GENERAL NOTES

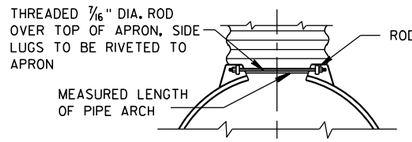
REINFORCED CONCRETE PIPE ARCH

EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	29	18	3	8½	39	33	72	48	3 to 1
30	36	22	3½	9½	50	46	96	60	3 to 1
36	44	27	4	11⅛	60	36	96	72	3 to 1
42	51	31	4½	15 13/16	60	36	96	78	3 to 1
48	58	36	5	21	60	36	96	84	3 to 1
54	65	40	5½	25½	60	36	96	90	3 to 1
60	73	45	6	31	60	36	96	96	3 to 1
72	88	54	7	31	60	39	99	120	2 to 1
84	102	62	8	28½	83	19	102	144	2 to 1

REINFORCED CONCRETE ELLIPTICAL PIPE

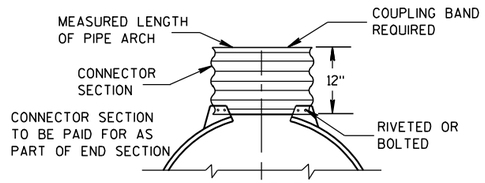
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE



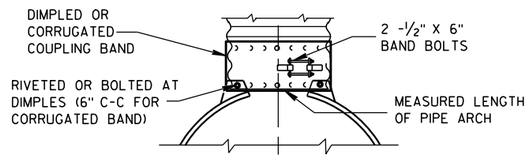
TYPE 2

FOR 17" X 13" THRU 112" X 75" PIPE ARCH



TYPE 3

FOR 64" X 43" THRU 112" X 75" PIPE ARCH



TYPE 5

ALTERNATE FOR:

ALL SIZES CORRUGATED PIPE ARCHES

NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL.

CONNECTION DETAILS

GENERAL NOTES

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

CONCRETE APRON ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM APRON ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE ARCH PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 77" X 52" THROUGH 112" X 75" APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/94 — DATE

/S/ Rory L. Rhinesmith — CHIEF ROADWAY DEVELOPMENT ENGINEER

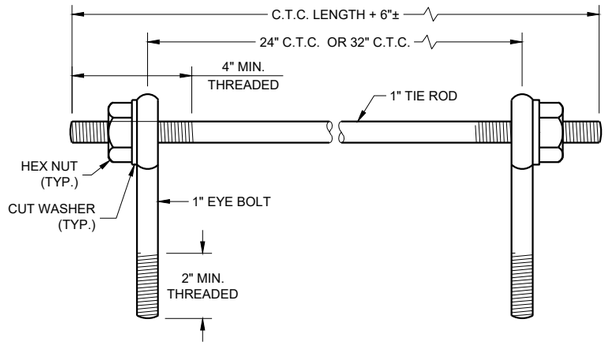
FHWA

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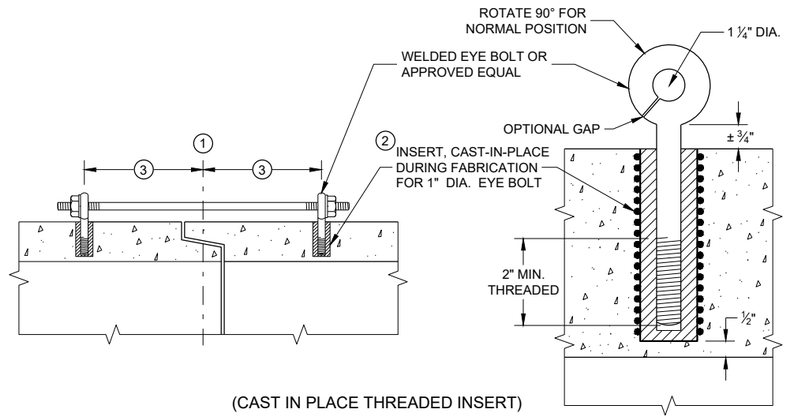
S.D.D. 8 F 2-1

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.

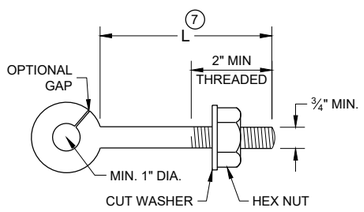
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

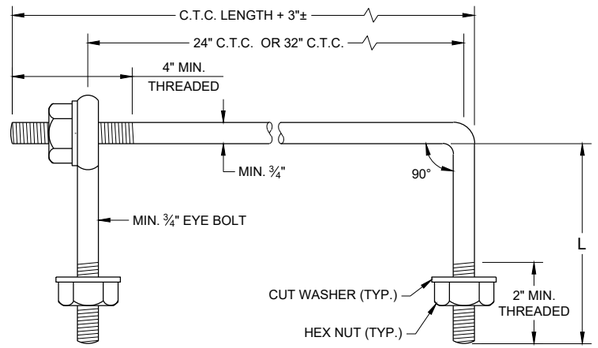
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

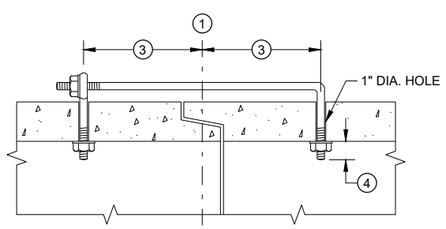


EYE BOLT (7)

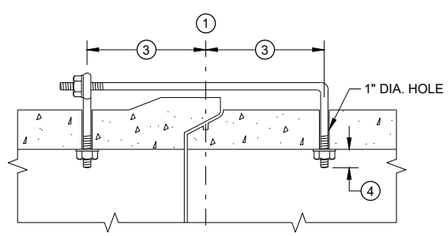
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

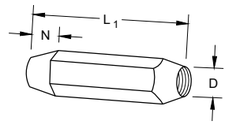
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

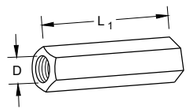
ADJUSTABLE TIE ROD TABLE

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



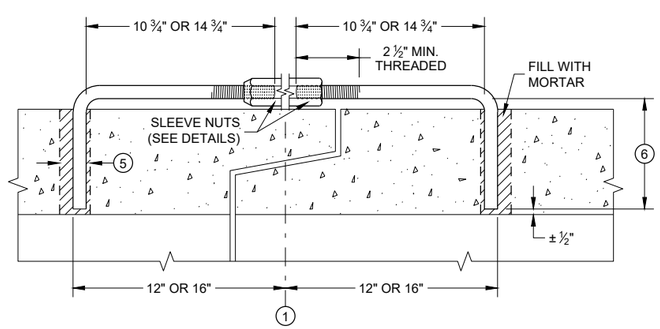
TAPERED



PLAIN

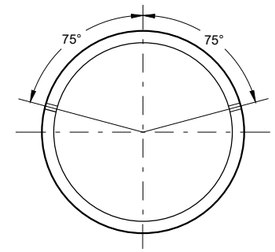
RIGHT AND LEFT THREADS

SLEEVE NUTS



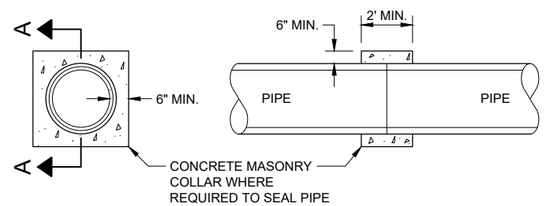
LONGITUDINAL SECTION

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

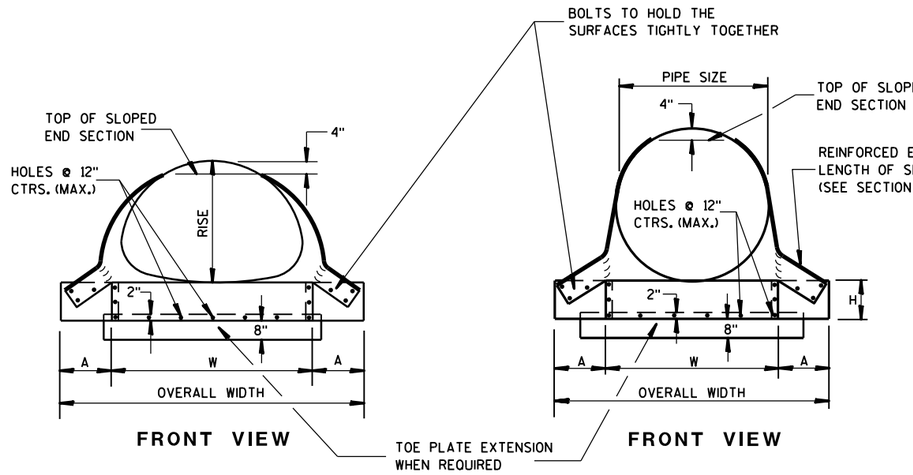
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

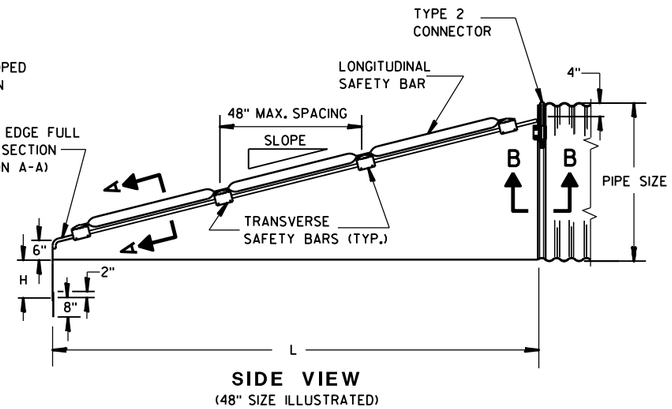
SDD 08F04 - 08

SDD 08F04 - 08



FRONT VIEW

FRONT VIEW



SIDE VIEW
(48" SIZE ILLUSTRATED)

GENERAL NOTES

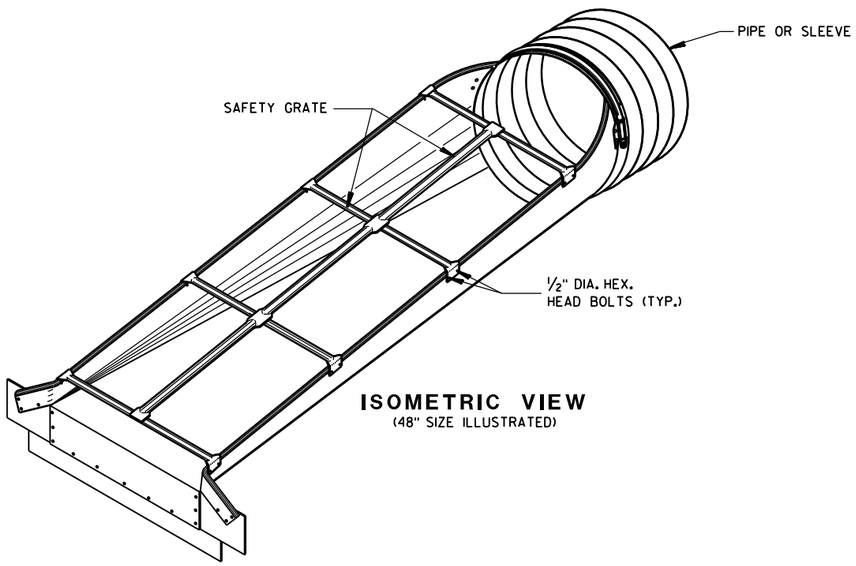
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

SAFETY GRATES SHALL BE FABRICATED FROM 3-INCH DIAMETER GALVANIZED PIPE MEETING THE REQUIREMENTS OF ASTM A-53, GRADE B, SCHEDULE 40 OR APPROVED EQUAL. THE LONGITUDINAL BAR SHALL BE WELDED TO THE TRANSVERSE BARS WHERE THE BARS CROSS. THE NUMBER OF TRANSVERSE BARS REQUIRED WILL VARY DEPENDING ON THE LENGTH OF THE END SECTION.

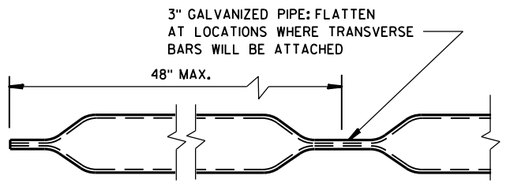
SLOPED STEEL ENDWALLS LOCATED AT THE ENDS OF CONCRETE CULVERT PIPE SHALL BE FURNISHED WITH STEEL ADAPTER SLEEVES.

STEEL APRON ENDWALLS FOR CULVERT PIPE CROSS DRAINS

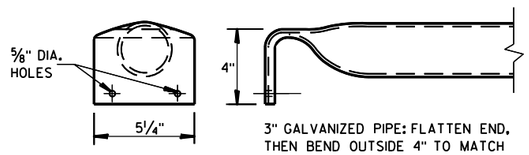
PIPE DIA. (IN.)	MIN. THICK.		DIMENSIONS (Inches)				L DIMENSIONS			
	IN.	GAGE	A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
36	.109	12	12	9	42	66	4:1	104	6:1	156
42	.109	12	16	12	48	80	4:1	128	6:1	192
48	.109	12	16	12	54	86	4:1	152	6:1	228
54	.109	12	16	12	60	92	4:1	176	6:1	264
60	.109	12	16	12	66	98	4:1	200	6:1	300



ISOMETRIC VIEW
(48" SIZE ILLUSTRATED)



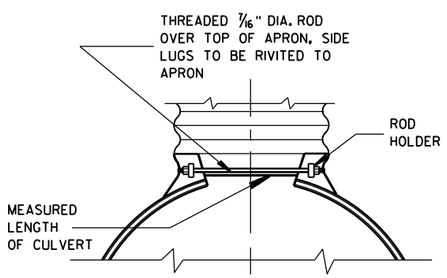
LONGITUDINAL SAFETY BAR



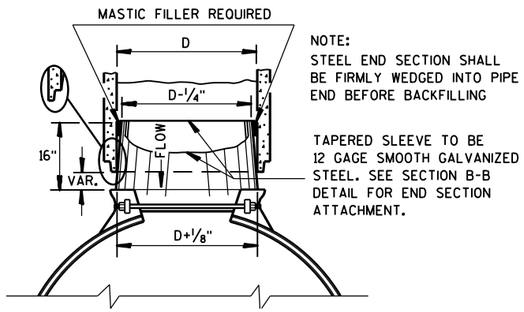
TRANSVERSE SAFETY BAR

STEEL APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS

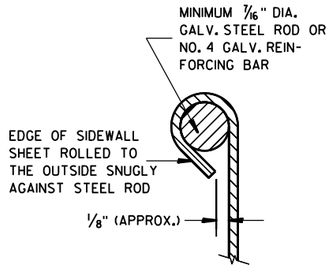
EQUIV. DIA. (IN.)	INCHES		MIN. THICK.		DIMENSIONS (Inches)				L DIMENSIONS			
	SPAN	RISE	IN.	GAGE	A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
30	35	24	.079	14	12	9	41	65	4:1	56	6:1	84
36	42	29	.109	12	12	9	48	72	4:1	76	6:1	114
42	49	33	.109	12	16	12	55	87	4:1	92	6:1	138
48	57	38	.109	12	16	12	63	95	4:1	112	6:1	168
54	64	43	.109	12	16	12	70	102	4:1	132	6:1	198
60	71	47	.109	12	16	12	77	109	4:1	148	6:1	222



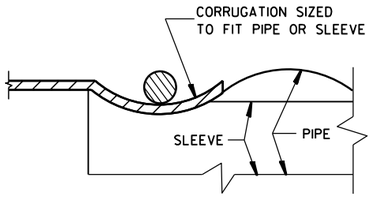
TYPE 2 CONNECTOR DETAIL



STEEL ADAPTER SLEEVE FOR CONCRETE PIPE



SECTION A-A



SECTION B-B

STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED CROSS DRAINS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/5/2012
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

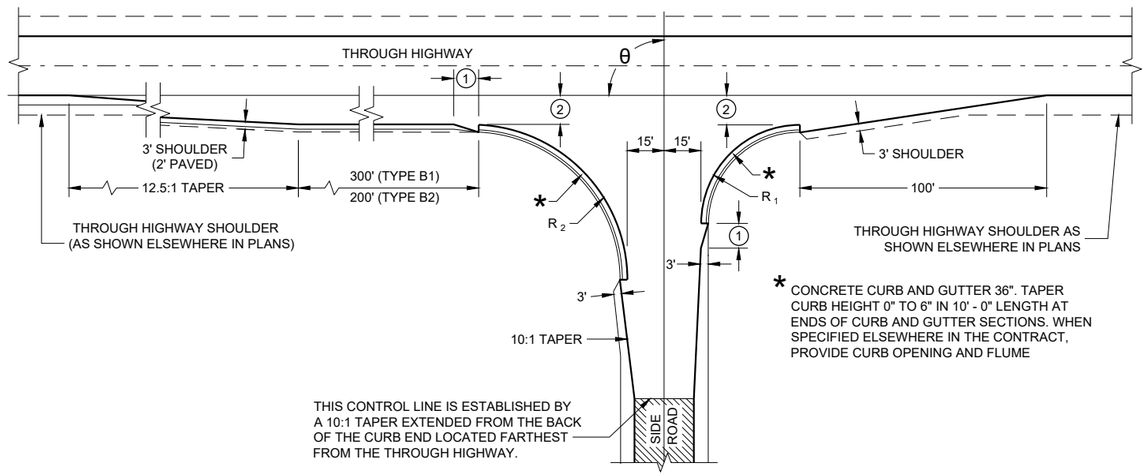
FHWA

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S.D.D. 8 F 8-2

6

S.D.D. 8 F 8-2



* 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.

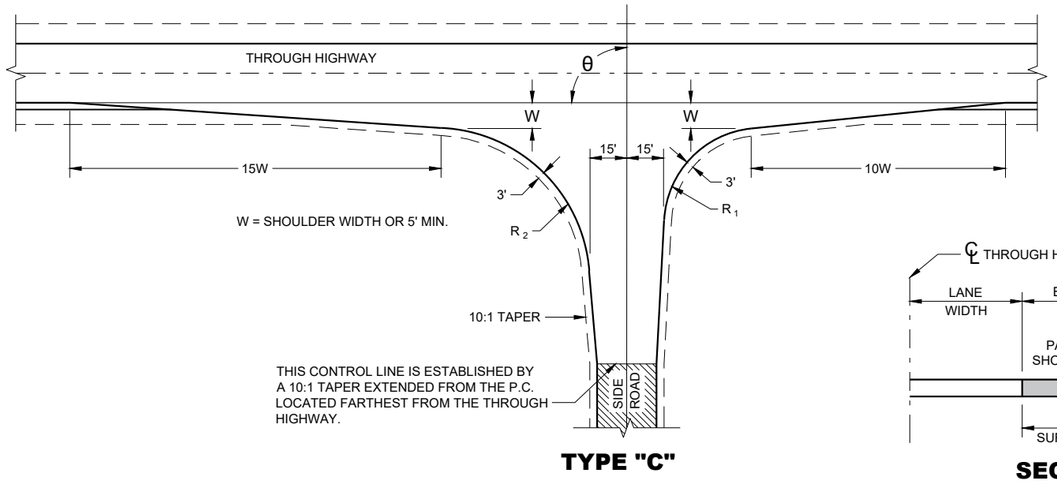
(1) 10-FT TYPICAL.

(2) 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.

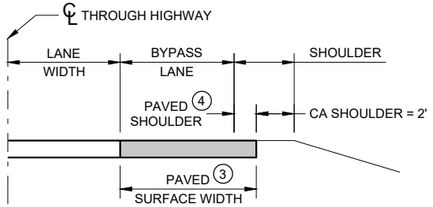
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.

(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

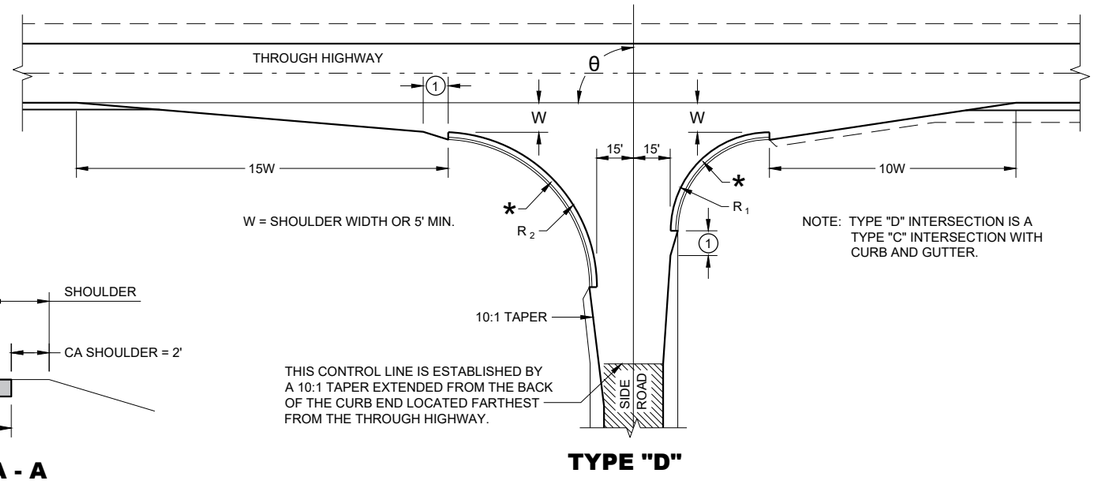
(4) BYPASS LANE PAVED SHOULDER WIDTH = THE GREATER OF 1-FT OR THE PAVED SHOULDER WIDTH OF THE THROUGH HIGHWAY.



TYPE "C"

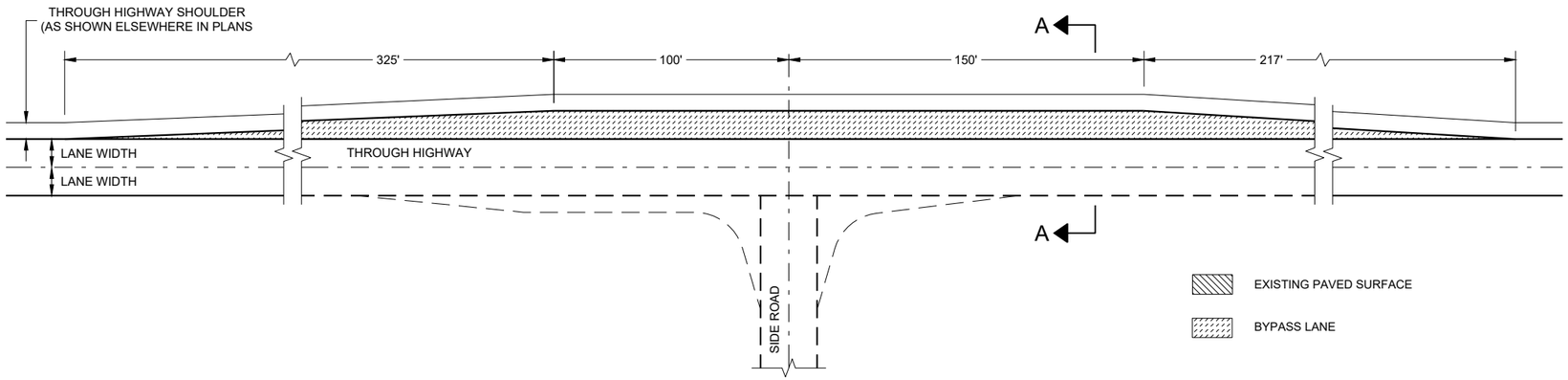


SECTION A - A
(SHOWING BYPASS LANE AND SHOULDER)



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

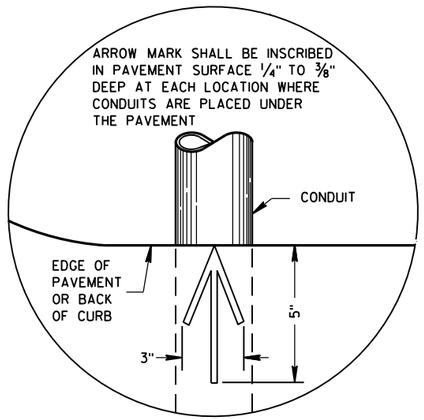
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 09A01 - 14a

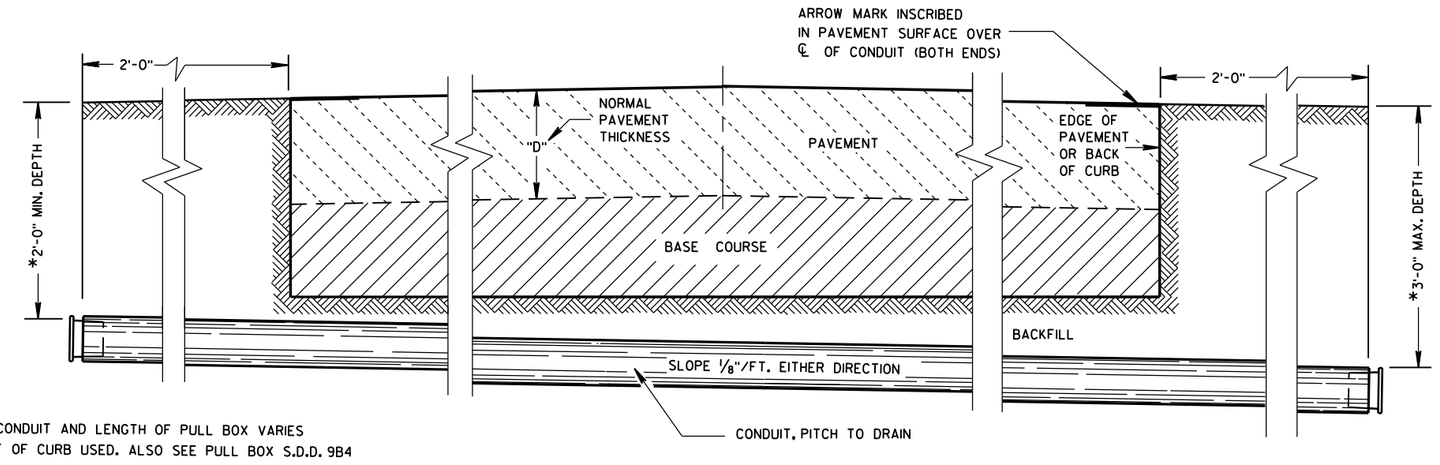
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SDD 09A01 - 14a



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.

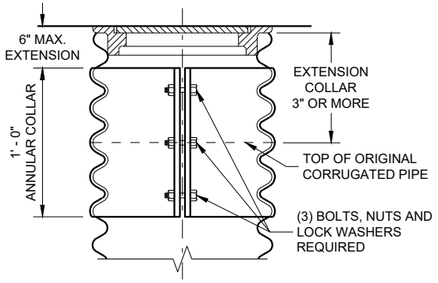
CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

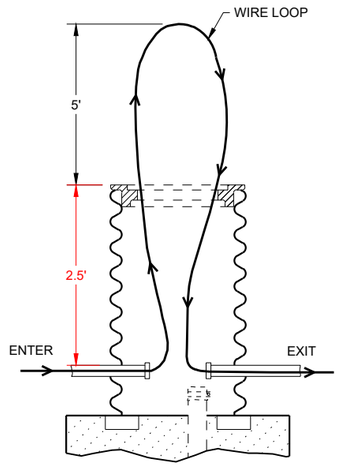
APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 373
FHWA

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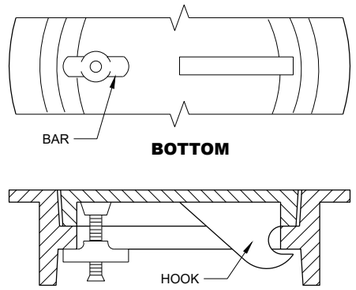
S.D.D. 9 B 2-10



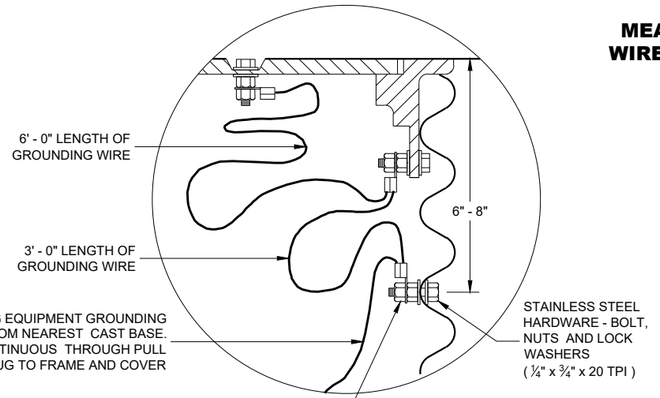
CORRUGATED PIPE EXTENDER



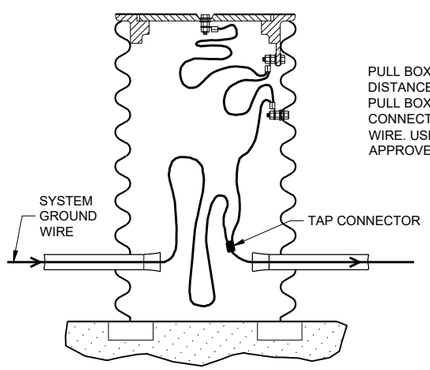
MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



ALTERNATE COVER (LOCKING)
TIGHTENING BAR TYPE

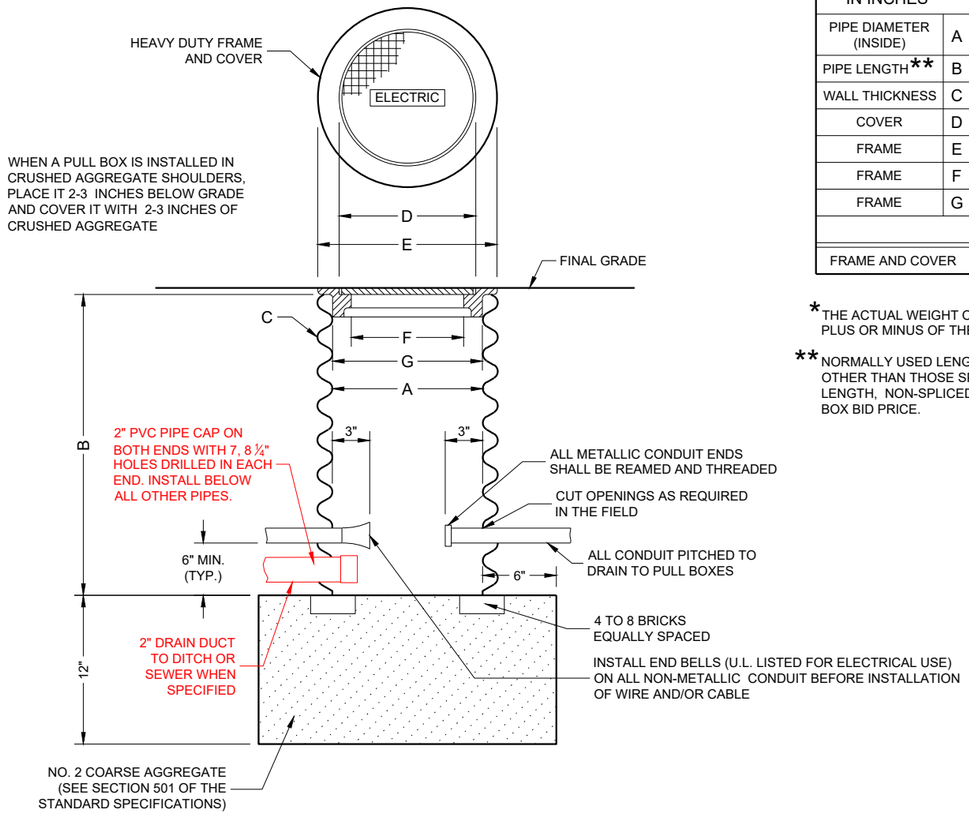


EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX

GENERAL NOTES

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

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN ¼".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH**	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 ¼	10 ¼	10 ¼	16 ¼	16 ¼	16 ¼	22 ¼	22 ¼	22 ¼
FRAME	E	14 ½	14 ½	14 ½	20 ½	20 ½	20 ½	26 ½	26 ½	26 ½
FRAME	F	8 ½	8 ½	8 ½	14 ½	14 ½	14 ½	20 ½	20 ½	20 ½
FRAME	G	11 ½	11 ½	11 ½	17 ½	17 ½	17 ½	23 ½	23 ½	23 ½
WEIGHT IN POUNDS*										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

*THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

**NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.

PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

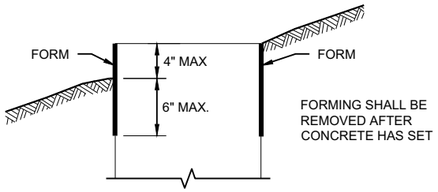
APPROVED
May 2022
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 374

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SDD 09B04-12

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



FORMING DETAIL

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

GENERAL NOTES

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

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

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

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS

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

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

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

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

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

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

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

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

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

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

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

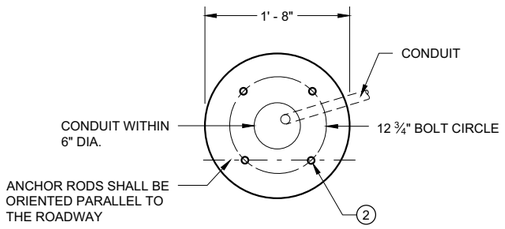
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

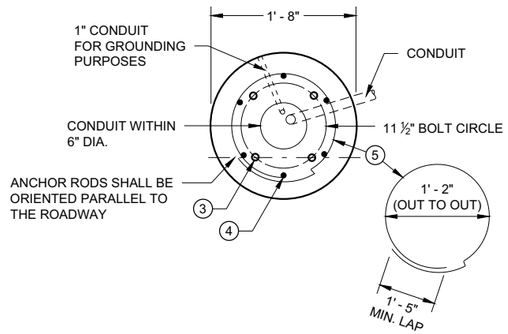
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

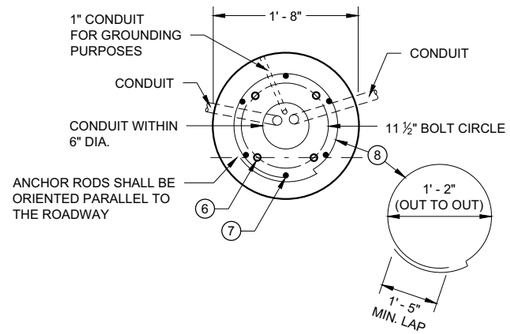
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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

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







1 THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

2 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

3 (4) 1" DIA. X 5' - 0" ANCHOR RODS.

4 (6) NO. 6 X 6' - 8" BAR STEEL REINFORCEMENT.

5 (7) NO. 4 X 5' - 1" BAR STEEL REINFORCEMENT @ 1' - 0" C - C.

6 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

7 (6) NO. 4 X 4' - 8" BAR STEEL REINFORCEMENT.

8 (5) NO. 4 X 5' - 1" BAR STELL REINFORCEMENT @ 1' - 0" C -C.

9 EXOTHERMIC CONNECTION TO EUIPMENT GROUNDING CONDUCTOR

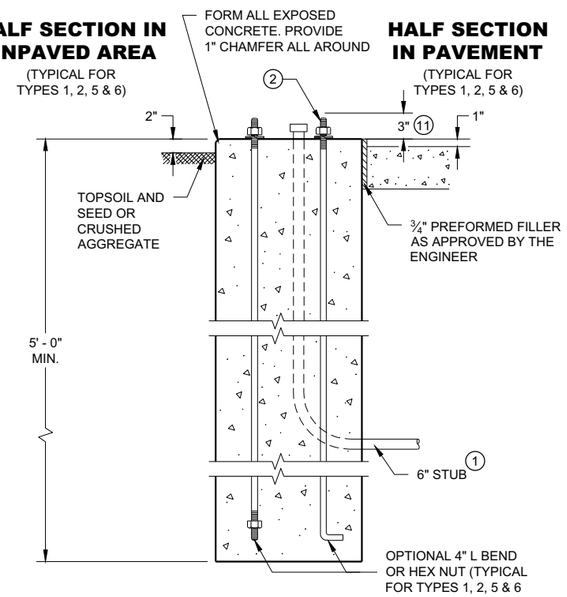
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

11 ANY ANCHOR ROD PROJECTION SHORTER THAN 2 ¾" OR LONGER THAN 3 ¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

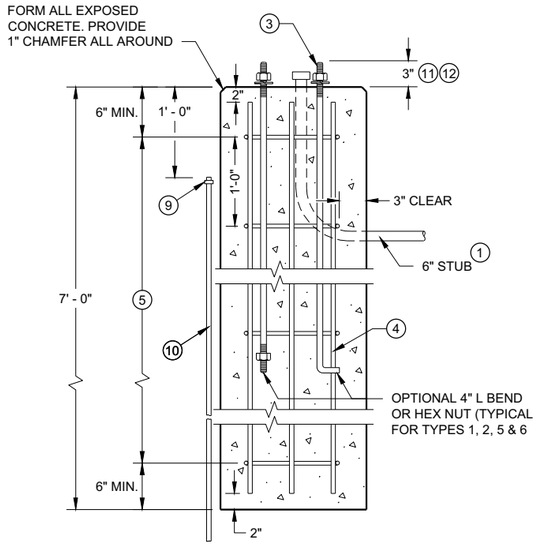
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

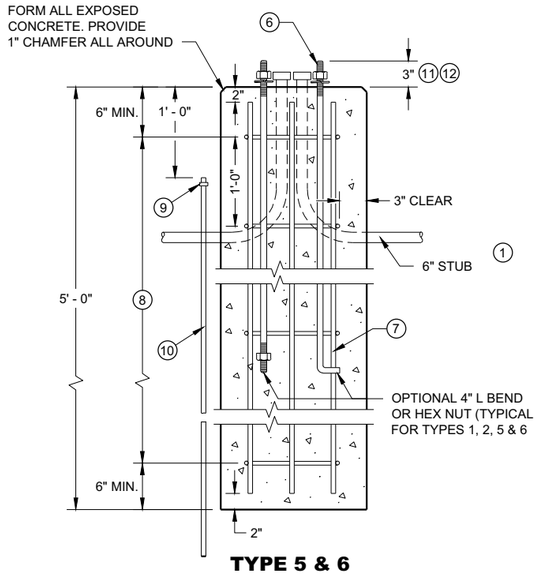
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



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 375
FHWA

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SDD 09C02 - 09

GENERAL NOTES

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

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

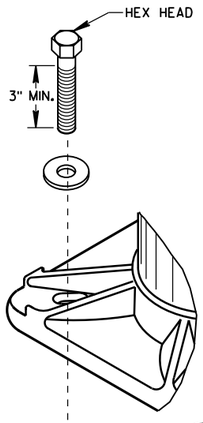
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

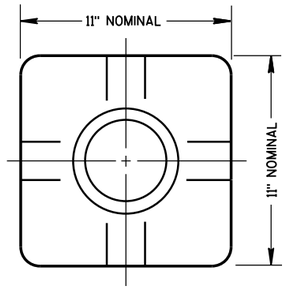
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

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

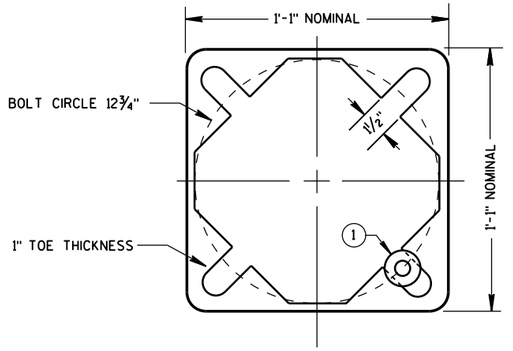
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

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

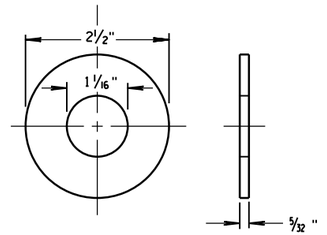




TOP VIEW
(PEDESTAL BASE)

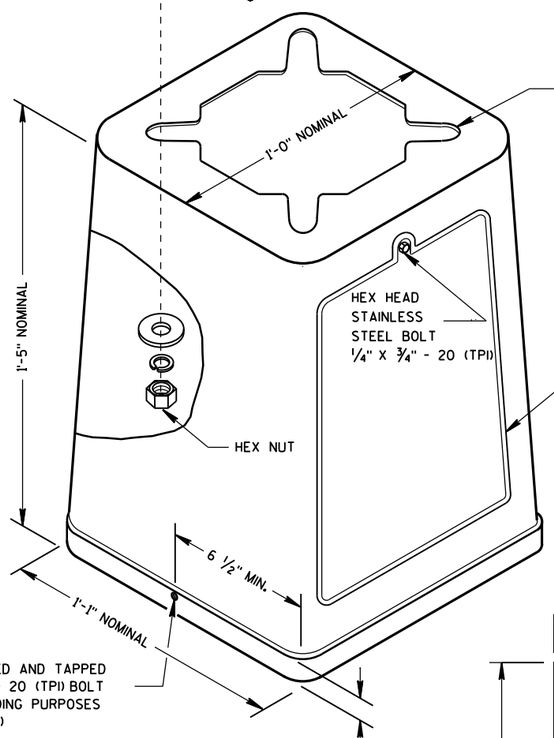


BOTTOM VIEW
(PEDESTAL BASE)

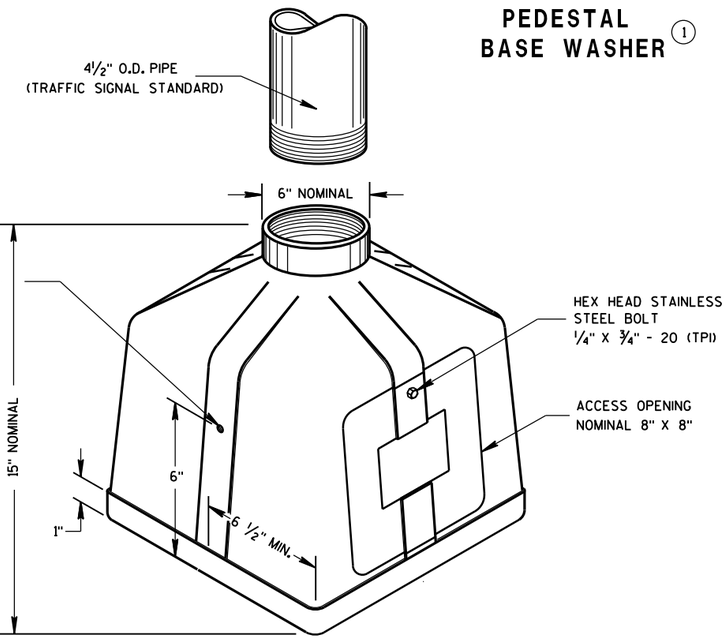


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

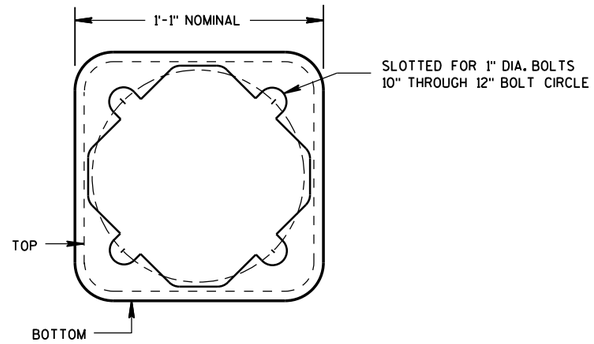


ISOMETRIC VIEW

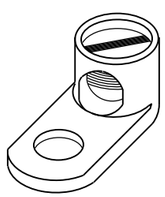


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

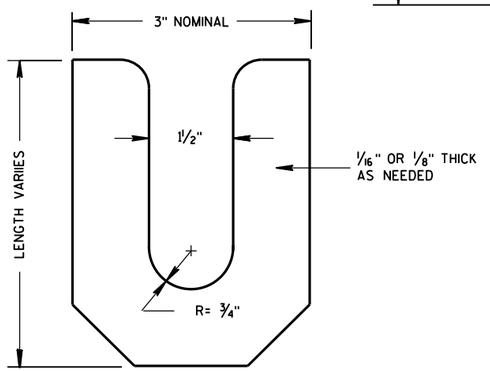


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

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



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

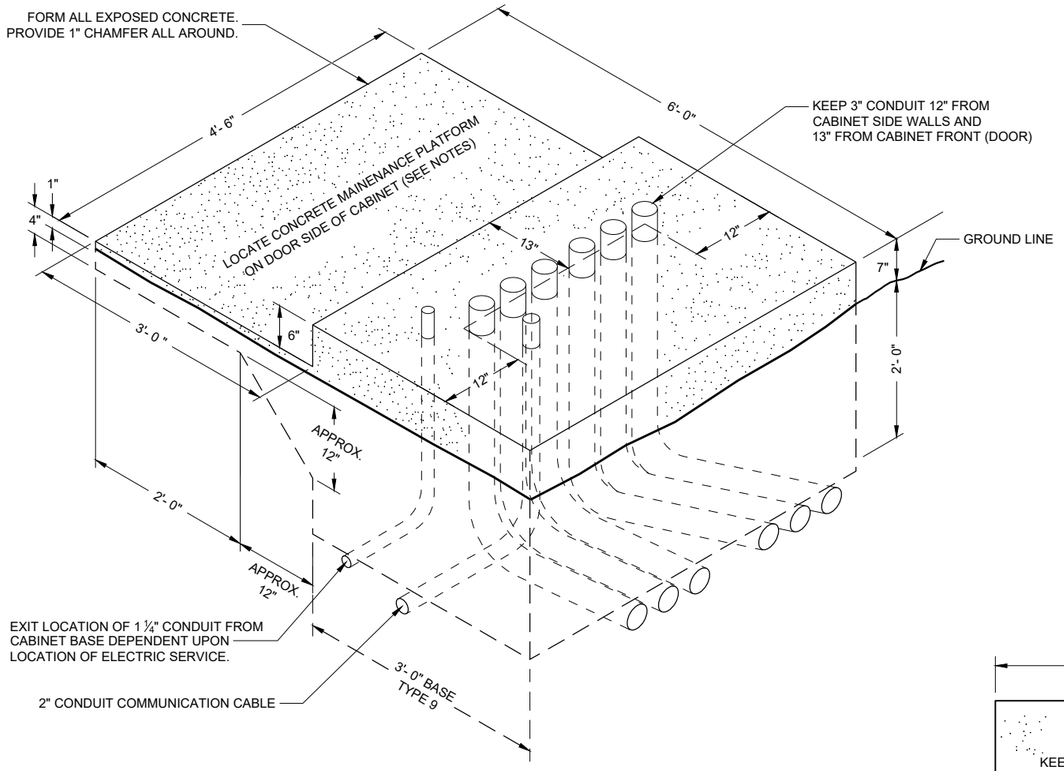
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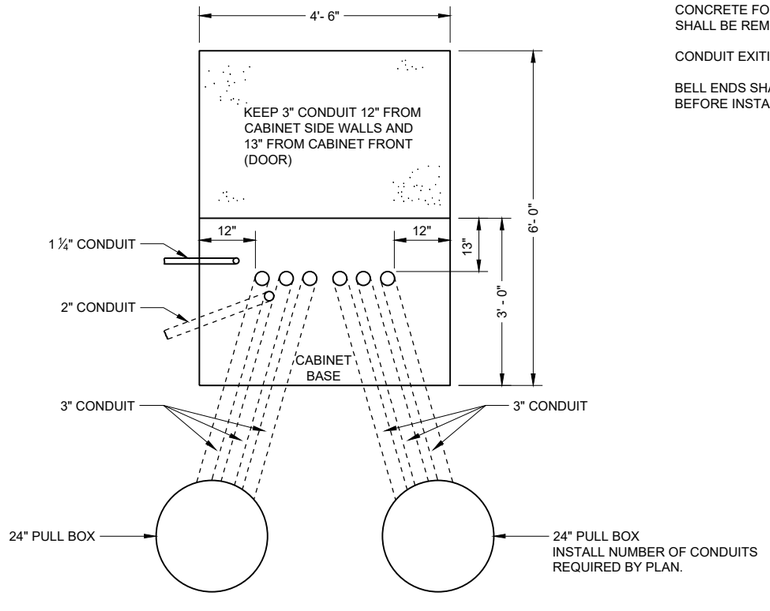
SDD 09C06 Concrete Control Cabinet Base, Type 9, Special



ISOMETRIC VIEW

TYPE 9 SPECIAL

(C.Y. CONCRETE = APPROX. 1.56)



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE 9 SPECIAL

GENERAL NOTES

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

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

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

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

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

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

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

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

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND LEVEL.

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

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

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

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

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

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

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

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

CONCRETE CONTROL CABINET BASE TYPE 9, SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE

/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 377

FHWA

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SDD 09C06 - 07

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SDD 09C06 - 07

GENERAL NOTES

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

BASES (SHAFT), BELOW THE WING, SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, 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.

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

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

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

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

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

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

CONDUIT SIZE AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

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

CONDUIT HEIGHT ABOVE CONCRETE BASE SHALL BE 4 ½ INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NONMETALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

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

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

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTOR FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

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

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

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

(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVEL WAY SHALL BE 24-INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18-INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36-INCHES, (GREATER THAN 36-INCHES IF INSTALLED IN BREAKER-RUN), EXCEPT WITH THE WRITTEN APPROVAL OF THE ENGINEER.

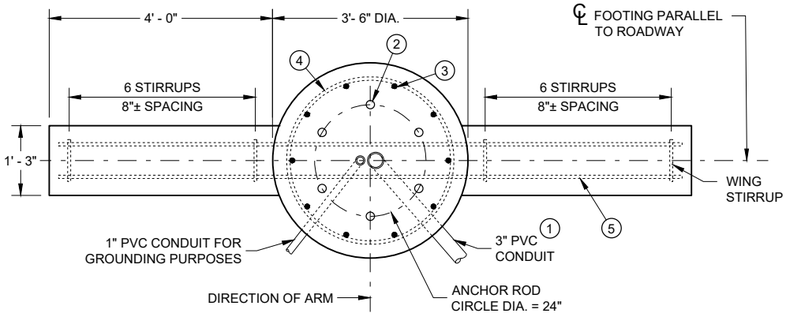
(2) (6) 1 ¾" DIA. X 7' - 2" ANCHOR RODS

(3) (10) NO. 6 X 14' - 1" BAR STEEL VERTICAL REINFORCEMENT.

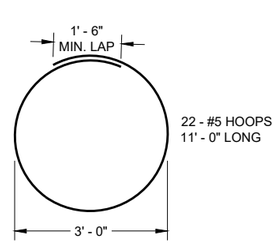
(4) (22) NO. 5 X 11'- 0" BAR STEEL REINFORCEMENT @ 8" MAX. C-C.

(5) (10) NO. 5 X 11' - 0" BAR STEEL HORIZONTAL REINFORCEMENT

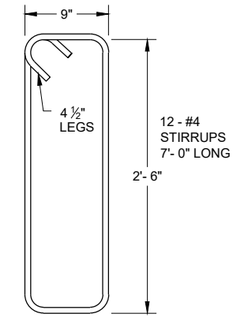
CONCRETE MASONRY.....fc = 3,500 p.s.i
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60.....fy = 60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE .....fy = 55,000 p.s.i.
WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATION)
TEMPLATES, ASTM A709, GRADE 36.....fy = 36,000 p.s.i.



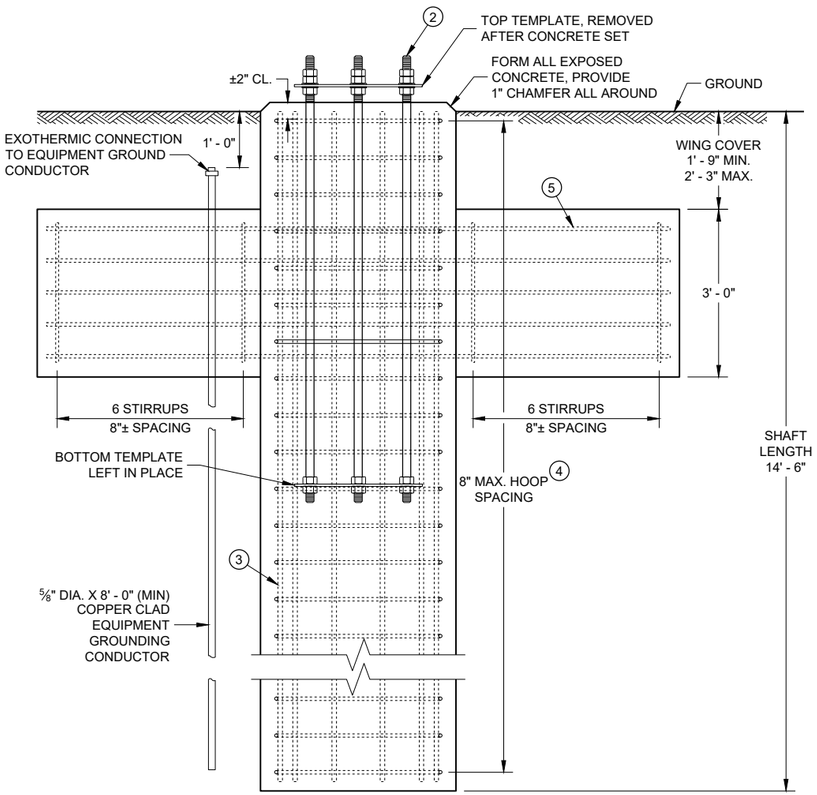
PLAN VIEW



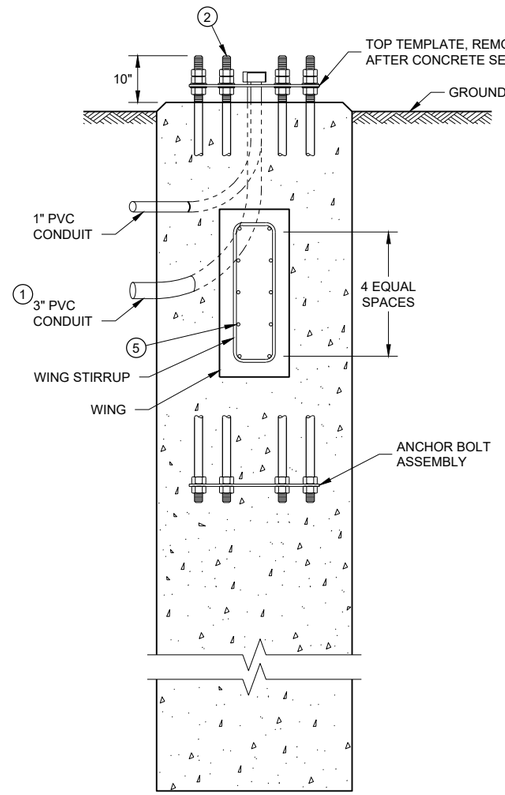
HOOP DETAIL



WING STIRRUP DETAIL



ELEVATION VIEW
(CONDUITS NOT SHOWN ON THIS VIEW FOR CLARITY)



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

CONCRETE BASE, TYPE 13
(FOR TYPE 12, TYPE 13 AND OVER HEIGHT (OH) POLES)

CONCRETE = 6.3 CUBIC YARD
H.S. REINFORCEMENT = 635 LBS.

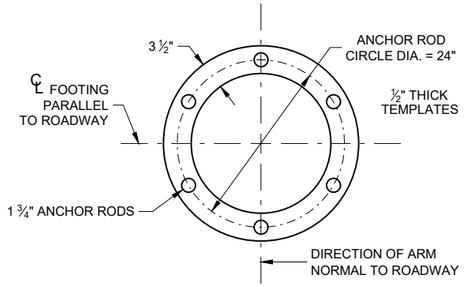
TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION. SEE 9C13 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION

CONCRETE BASE TYPE 13

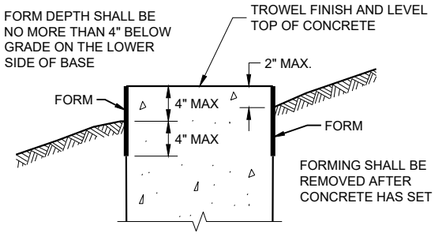
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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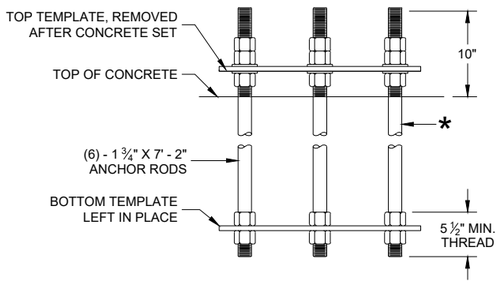
SDD 09C12 - 09a



TOP AND BOTTOM TEMPLATE



FORMING DETAIL



ANCHOR ROD ASSEMBLY DETAILS

* THREAD TOP 11" OF ANCHOR ROD FOR 3 NUTS AND 2 WASHERS AND BOTTOM 5 ½" FOR 2 NUTS PER ANCHOR ROD. HOT DIP GALVANIZE THE ENTIRE LENGTH OF THE ANCHOR ROD (ASTM A123) AND HOT DIP NUTS AND WASHERS (ASTM A153. USE ZINC COATED NUTS MANUFACTURED WITH SUFFICIENT ALLOWANCE TO ALLOW NUTS TO RUN FREELY ON THE THREADS.

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CONCRETE BASE TYPE 13

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

SDD 09C12 - 09b

GENERAL NOTES

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

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

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

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

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

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

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

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

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

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

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

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

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

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS.

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

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

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

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

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

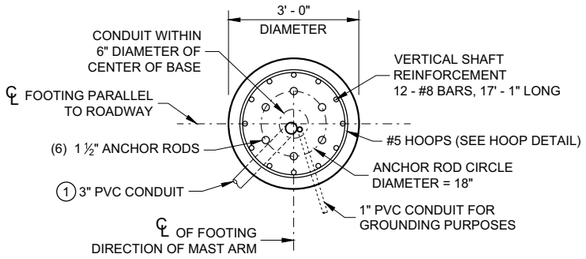
A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

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

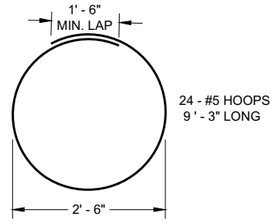
THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES (GREATER THAN 36 INCHES IF INSTALLED IN BREAKER RUN) EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

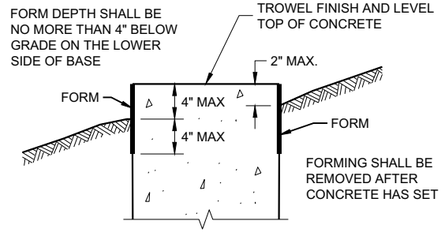
CONCRETE MASONRY.....fc = 3,500 p.s.i
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60.....fy = 60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATION).....fy = 55,000 p.s.i.
TEMPLATES, ASTM A709, GRADE 36.....fy = 36,000 p.s.i.



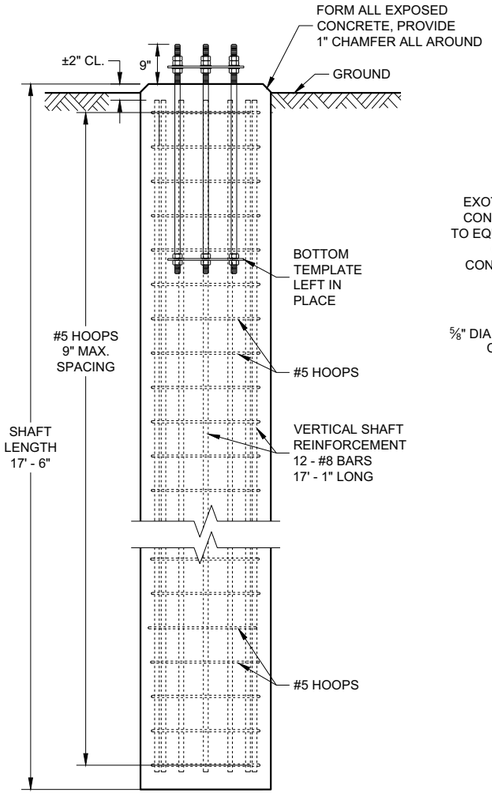
PLAN VIEW



HOOP DETAIL

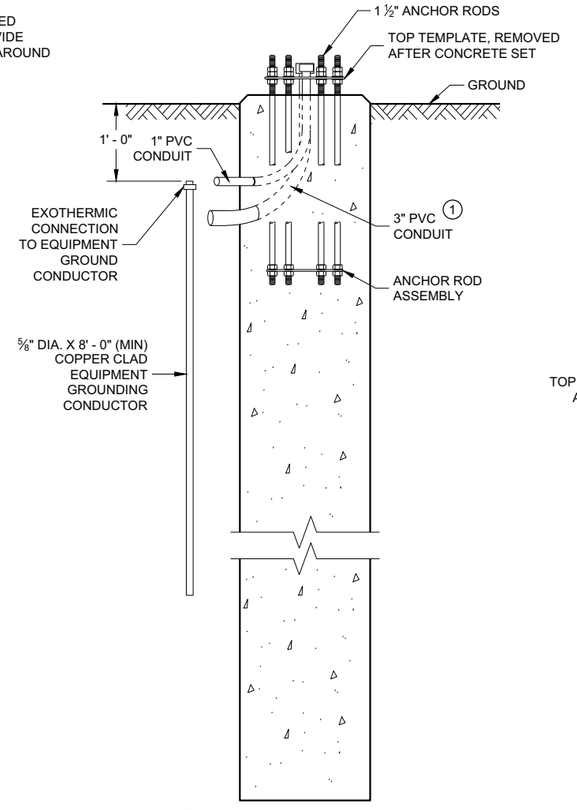


FORMING DETAIL



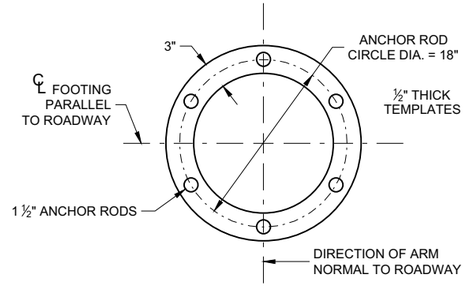
ELEVATION VIEW

(CONDUITS NOT SHOWN ON THIS VIEW FOR CLARITY)

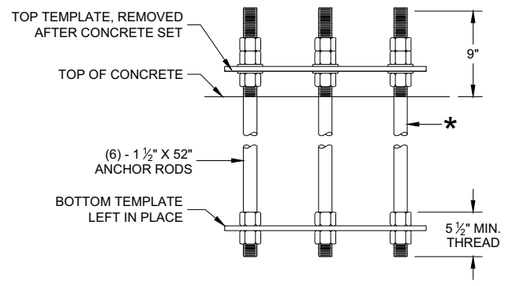


SIDE VIEW

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



TOP AND BOTTOM TEMPLATE



ANCHOR ROD ASSEMBLY DETAILS

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

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

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

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

CONCRETE BASE TYPE 10 SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

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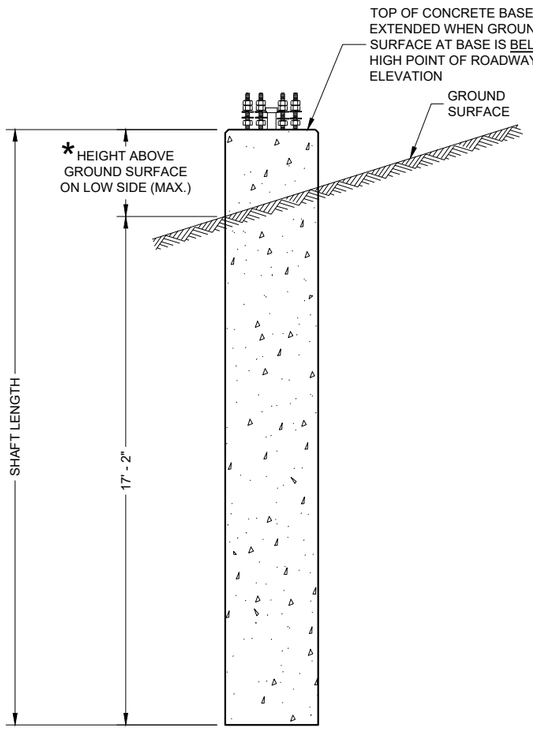
SDD 09C15 - 01

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SDD 09C15 - 01

REINFORCEMENT AND CONCRETE QUANTITIES
ADJUSTED FOR EXTENDED TYPE 10 SPECIAL CONCRETE BASE

HEIGHT INCREASE REQUIRED	*HEIGHT ABOVE GROUND SURFACE ON LOW SIDE (MAX.)	SHAFT LENGTH	LENGTH OF #8 VERTICAL REINF.	NO. OF #5 HOOPS	CU. YD. OF CONCRETE	LBS. OF HOOP BAR STEEL	LBS. OF VERTICAL STEEL
>0" TO 6"	10"	18' - 0"	17' - 7"	25	4.7	241	563
>6" TO 1' - 0"	1' - 4"	18' - 6"	18' - 1"	25	4.8	241	579
>1' - 0" TO 1' - 6"	1' - 10"	19' - 0"	18' - 7"	26	5.0	251	595
>1' - 6" TO 2 - 0"	2' - 4"	19' - 6"	19' - 1"	27	5.1	260	611



CONCRETE BASE TYPE 10 SPECIAL (EXTENDED)

CONCRETE BASE TYPE 10 SPECIAL EXTENSION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2023
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 381

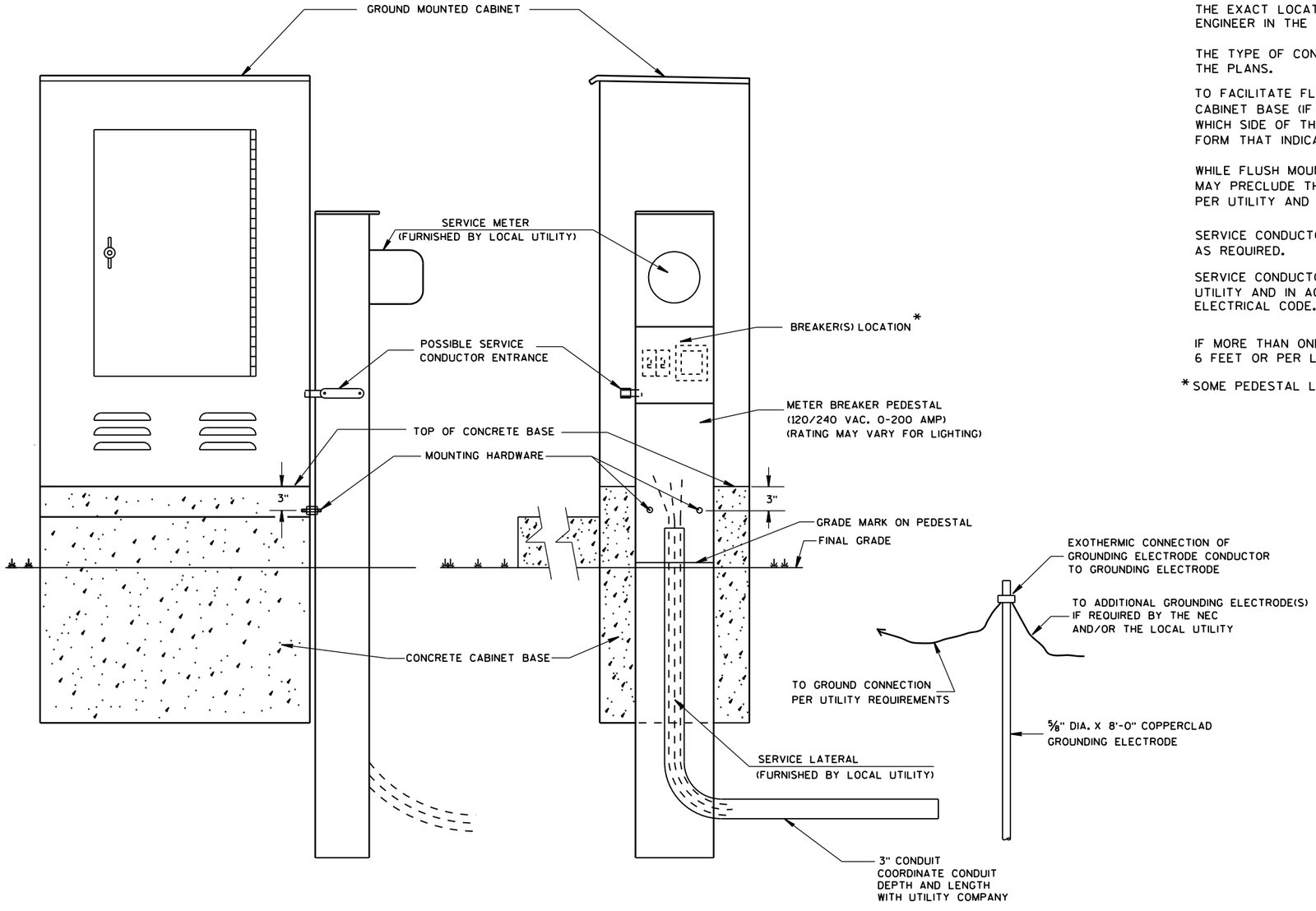
FHWA

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SDD 09C16-01

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SDD 09C16-01



TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

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

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

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

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

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S.D.D. 9 D 1-5

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S.D.D. 9 D 1-5

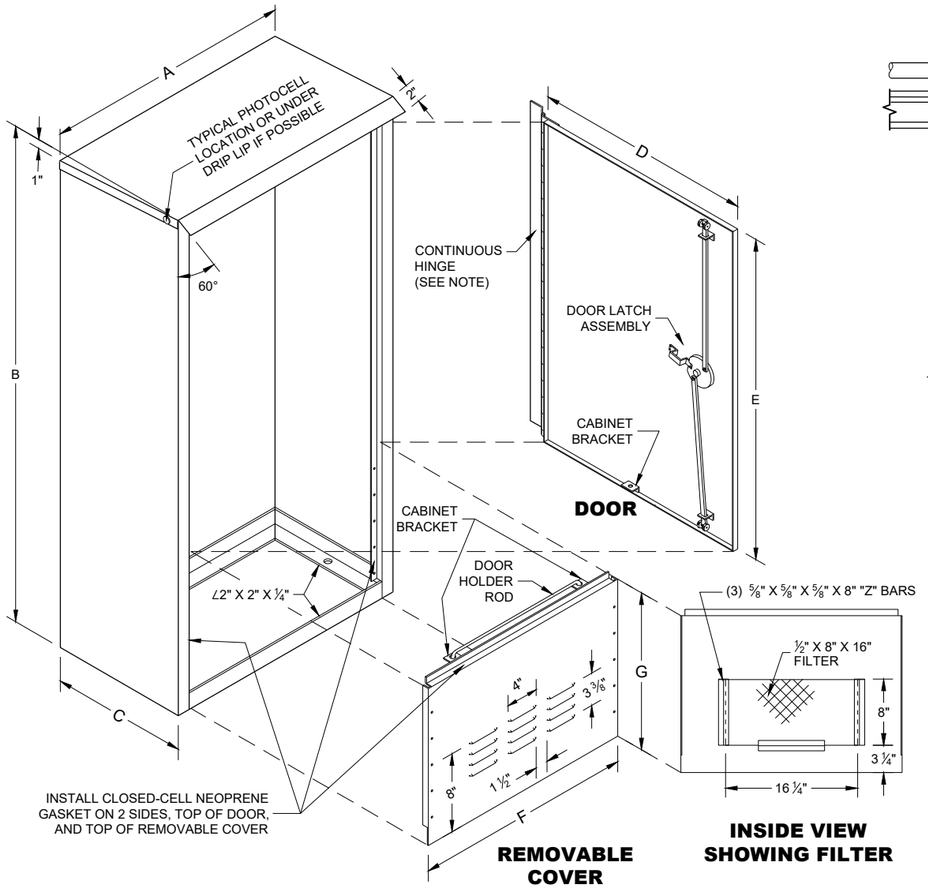
CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL

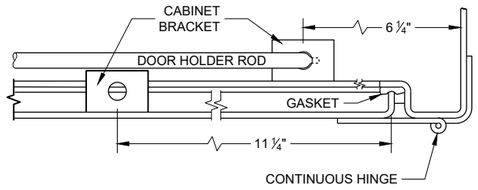
FHWA



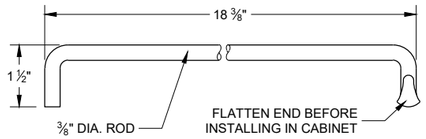
DOOR

REMOVABLE COVER

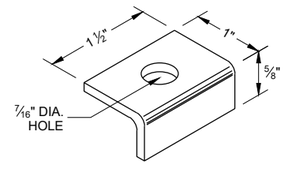
INSIDE VIEW SHOWING FILTER



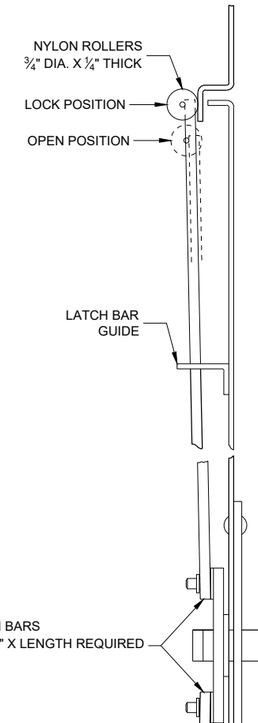
HINGE AND DOOR HOLDER



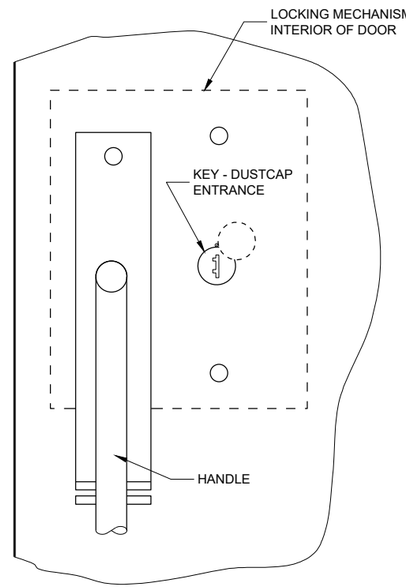
HOLDER ROD



CABINET BRACKET



SIDE VIEW



FRONT VIEW

LATCH ASSEMBLY

GENERAL NOTES

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

PRIME WITH PHOSPHATE TREATMENT AND PRIMER.

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

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

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

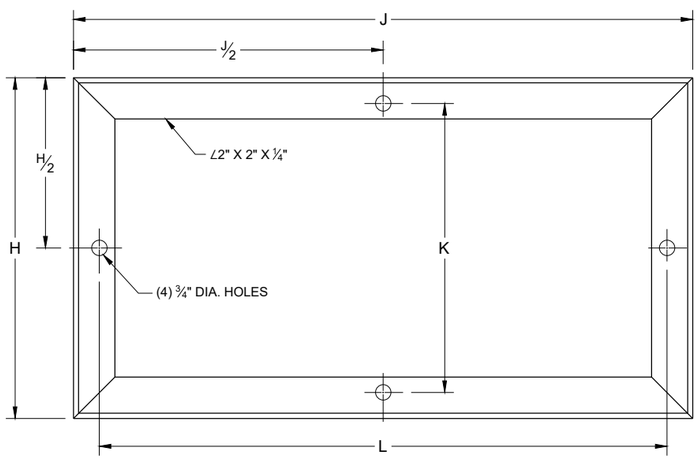
ALL SEAMS SHALL BE CONTINUOUSLY WELDED.

ALUMINUM SHALL BE TYPE 5052-H32.

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

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

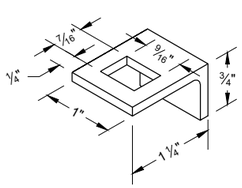
DOOR LATCH ASSEMBLY TO BE PROVIDED WITH THREE-POINT LOCKING MECHANISM.



MOUNTING BASE

TABLE OF DIMENSIONS (INCHES)

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



LATCH BAR GUIDE

SIGNAL CONTROL CABINET

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE

/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 383

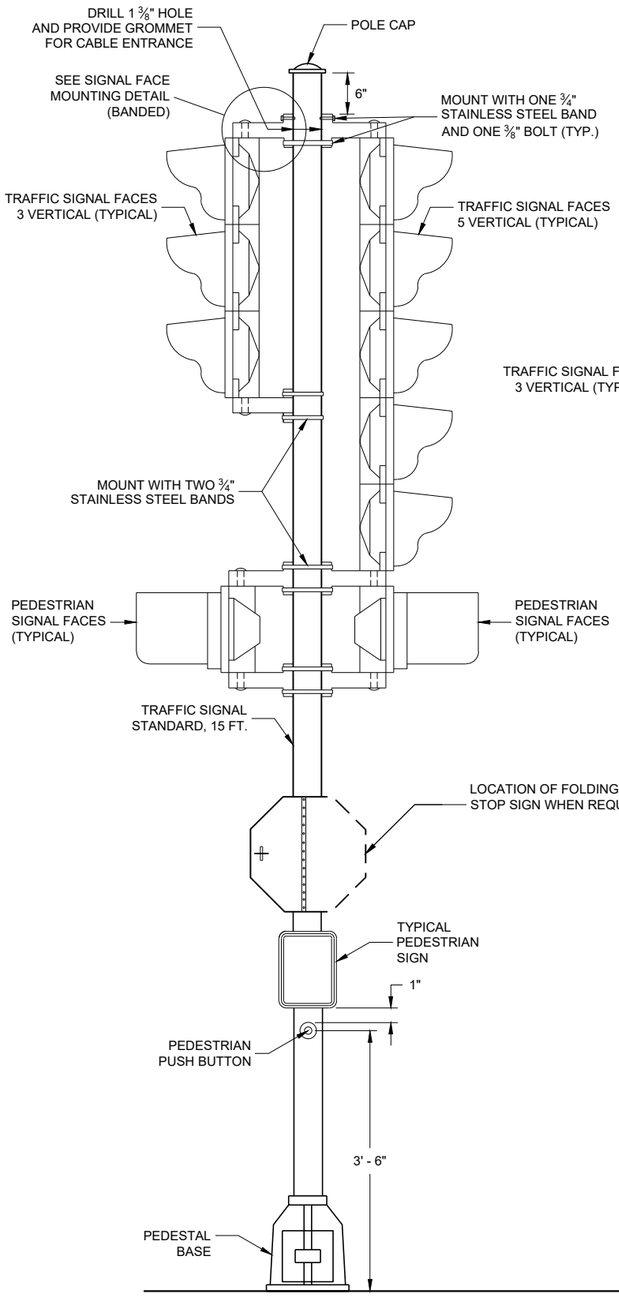
FHWA

SDD 09D02 - 03

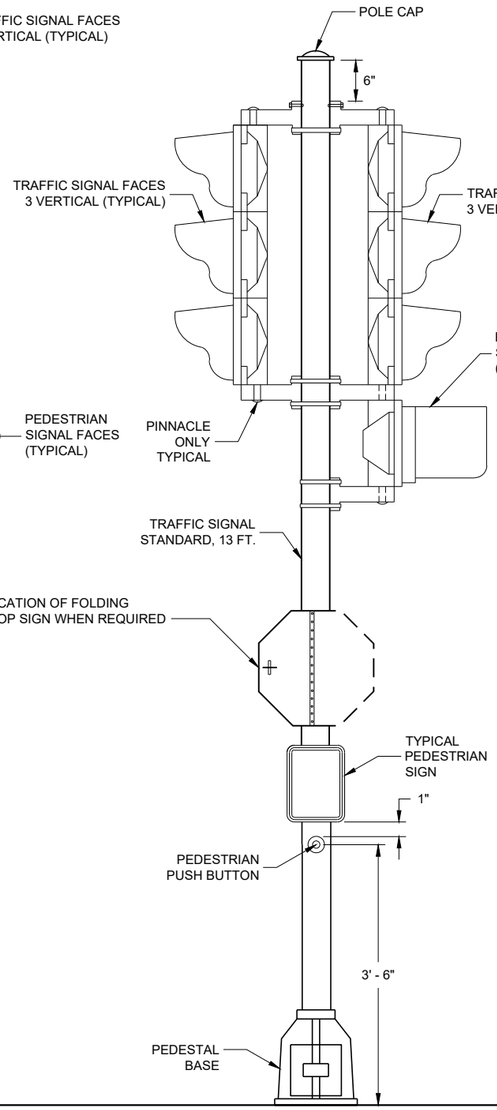
SDD 09D02 - 03

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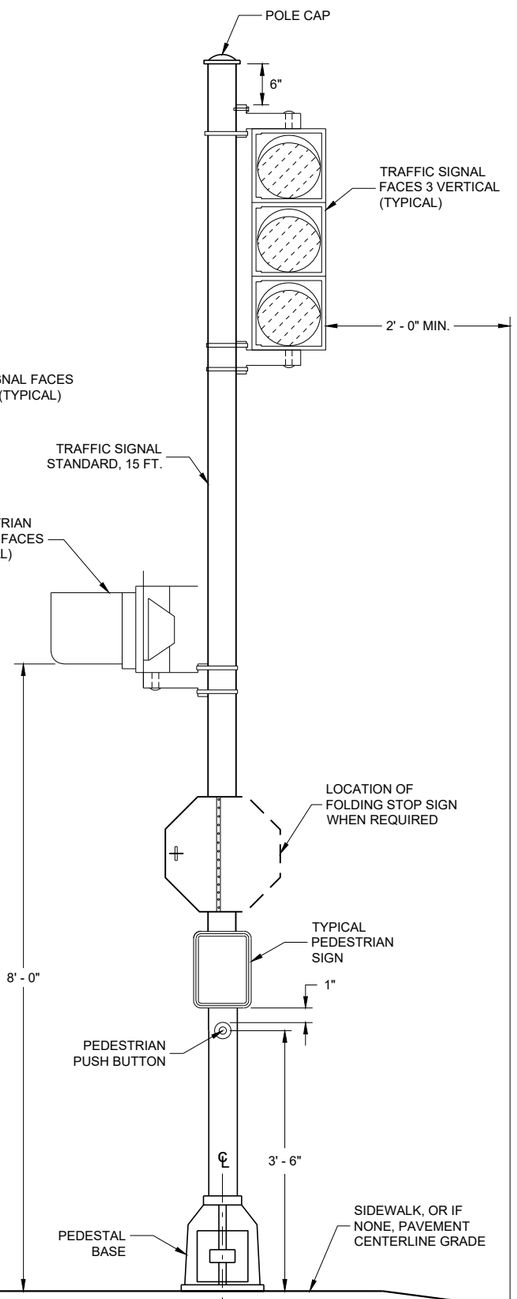
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TRAFFIC SIGNAL STANDARD - 15 FT.



TRAFFIC SIGNAL STANDARD - 13 FT.



TRAFFIC SIGNAL TANDARD - 15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLYCARBONATE MOUNTING BRACKETS SHALL BE USED.

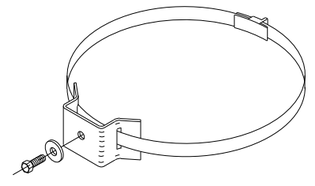
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

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

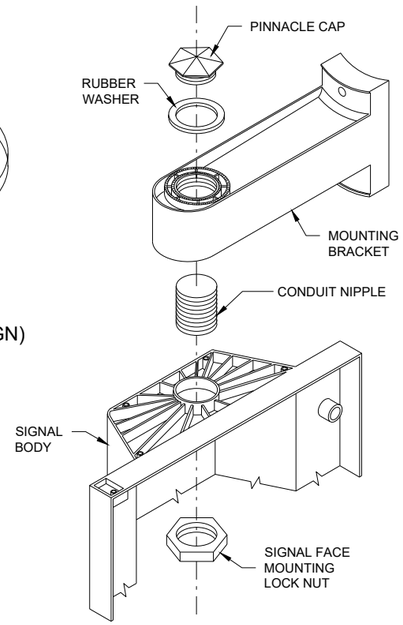
FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) 1/4" X 3/4" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



SIGNAL FACE MOUNTING DETAIL (BANDED)

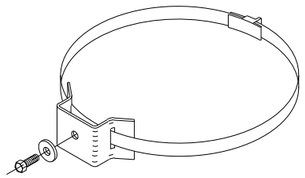
TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

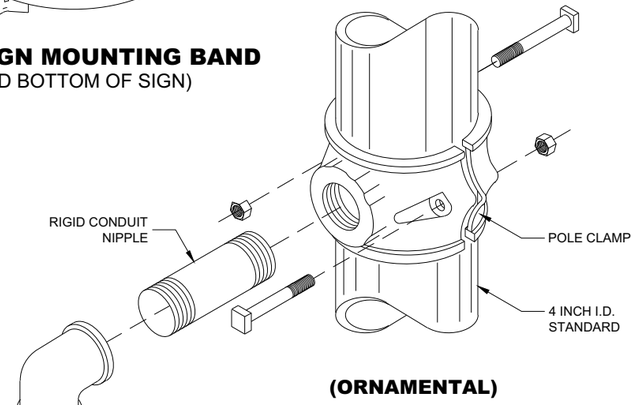
APPROVED
2/28/2013
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 384

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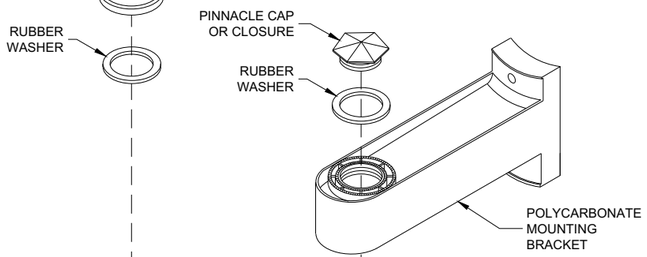
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SDD 09E06 - 05



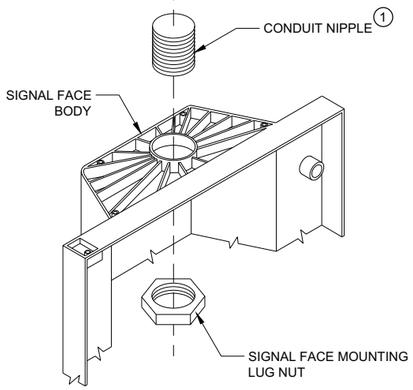
TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



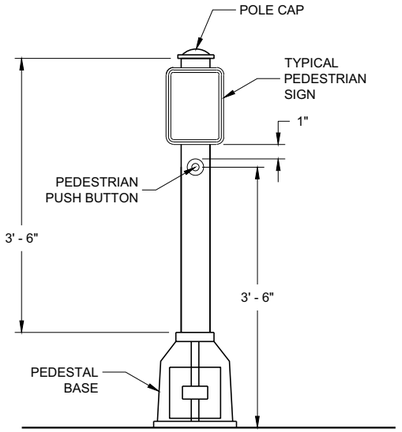
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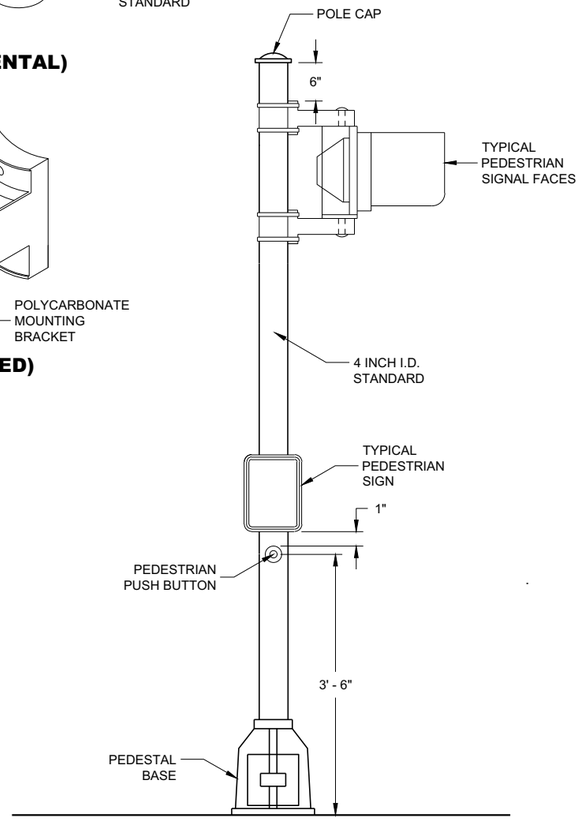
(BANDED)



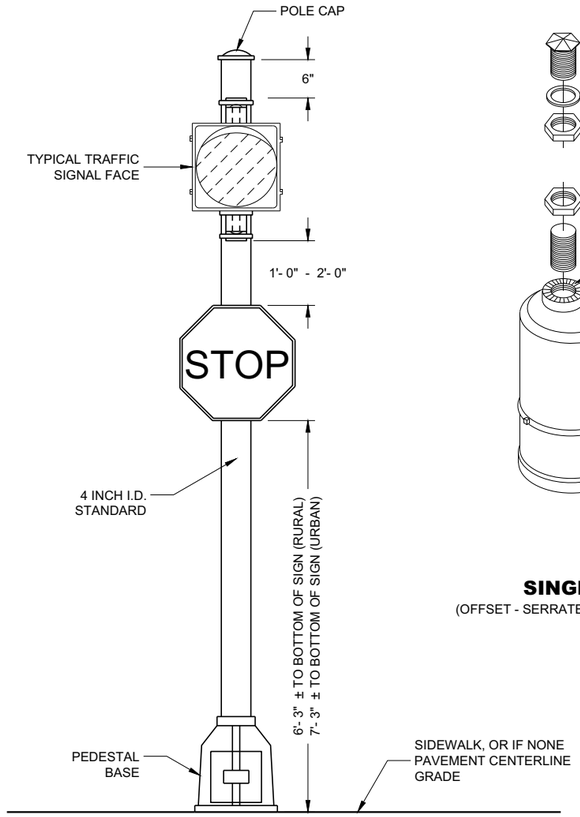
SIGNAL FACE MOUNTING DETAILS



PEDESTRIAN PUSH BUTTON TYPICAL MOUNTING



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



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

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

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

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIFICATIONS.

POLYCARBONATE SIGNAL FACE MOUNTING BRACKETS SHALL BE USED UNLESS ORNAMENTAL POLE CLAMPS ARE SPECIFIED.

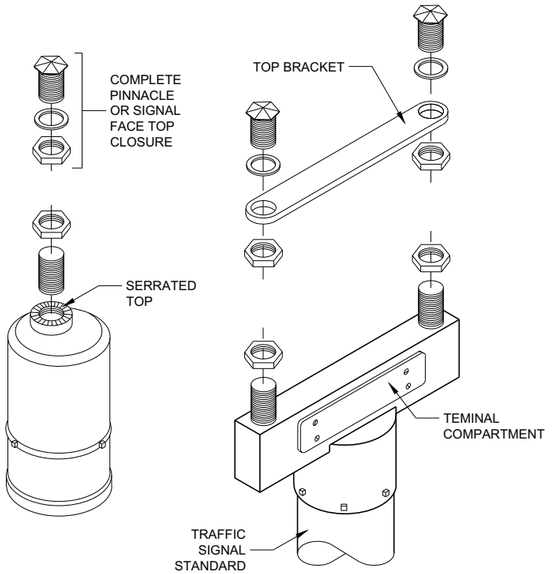
LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

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

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

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

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



SINGLE
(OFFSET - SERRATED MOUNTING)

DOUBLE
(SERRATED MOUNTING)

SLIPFITTERS

TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

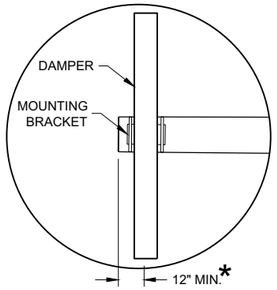
APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 385

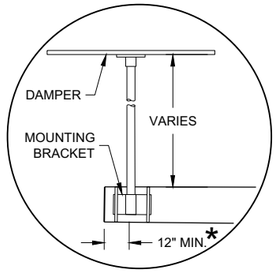
FHWA

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SDD 09E07 - 06

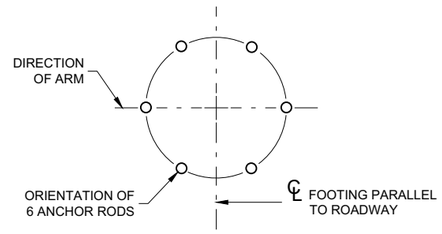


DUMBBELL VIBRATION DAMPER

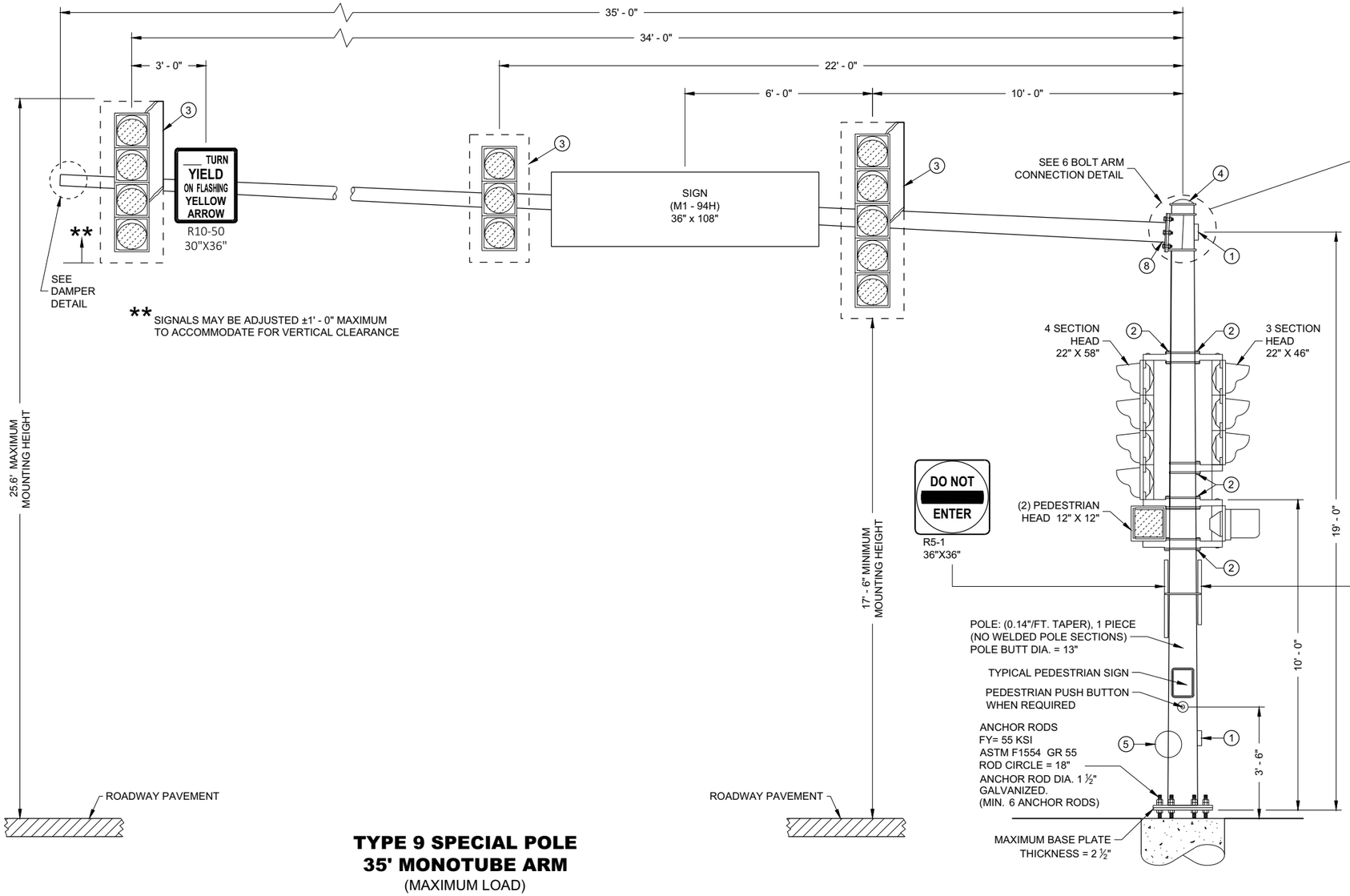


FLAT VIBRATION DAMPER

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

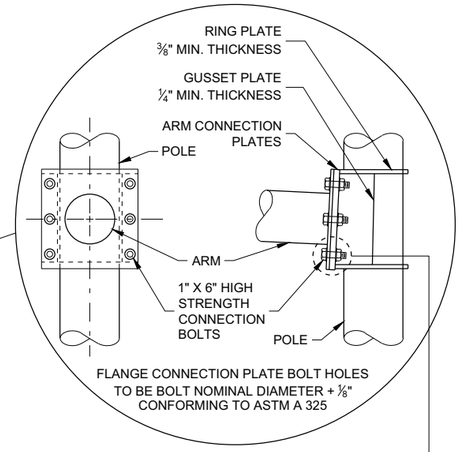


ANCHOR ROD LOCATION

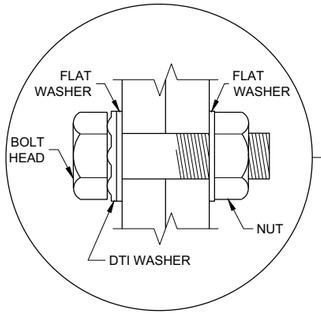


** SIGNALS MAY BE ADJUSTED ±1' - 0" MAXIMUM TO ACCOMMODATE FOR VERTICAL CLEARANCE

TYPE 9 SPECIAL POLE
35' MONOTUBE ARM
(MAXIMUM LOAD)



6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 9 SPECIAL POLE
35' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

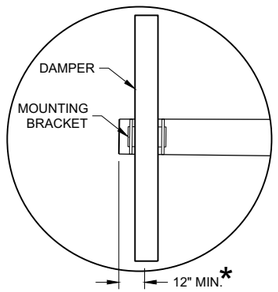
APPROVED
August 2020
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 386

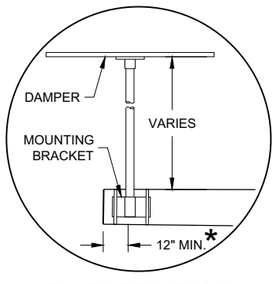
FHWA

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SDD 09E08 - 09b

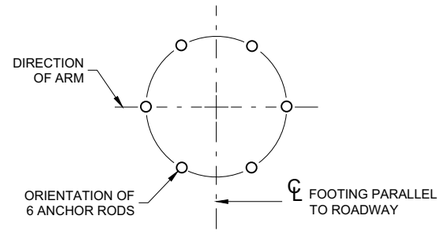


DUMBBELL VIBRATION DAMPER

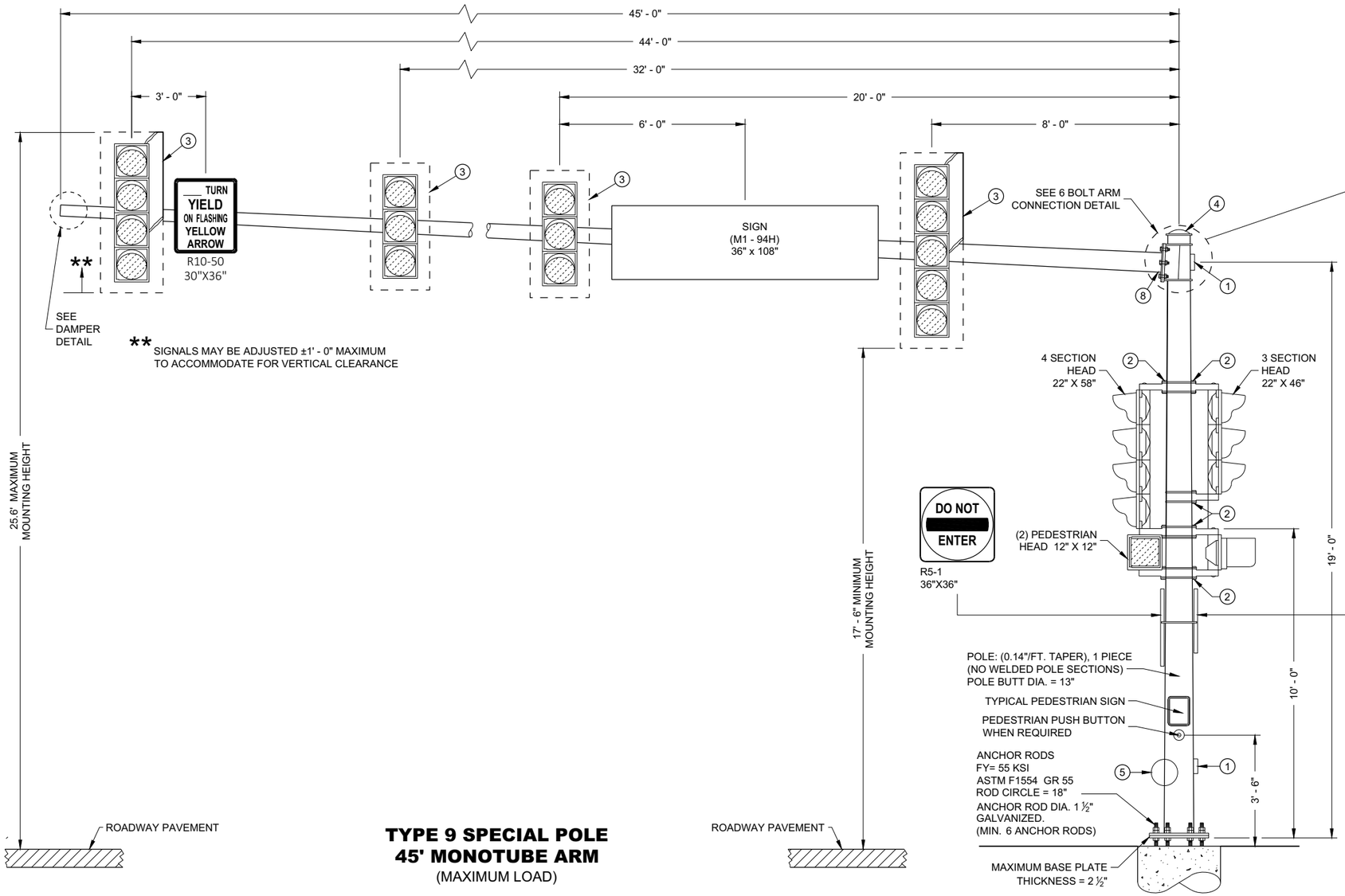


FLAT VIBRATION DAMPER

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

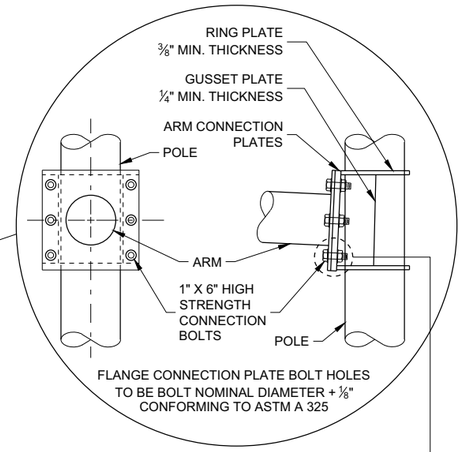


ANCHOR ROD LOCATION

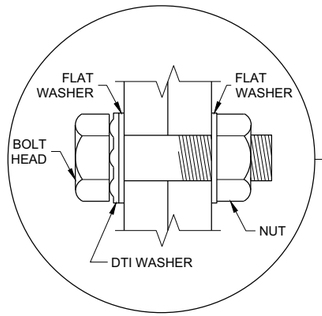


** SIGNALS MAY BE ADJUSTED ±1' - 0" MAXIMUM TO ACCOMMODATE FOR VERTICAL CLEARANCE

TYPE 9 SPECIAL POLE 45' MONOTUBE ARM
(MAXIMUM LOAD)



6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 9 SPECIAL POLE 45' MONOTUBE ARM

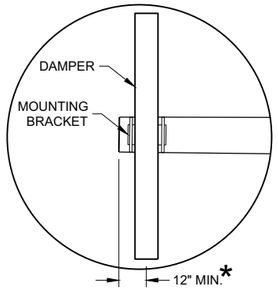
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

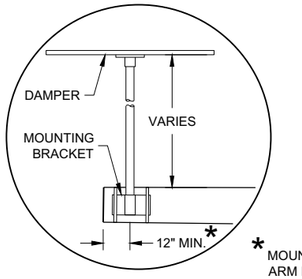
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 387

FHWA

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SDD 09E08 - 09d

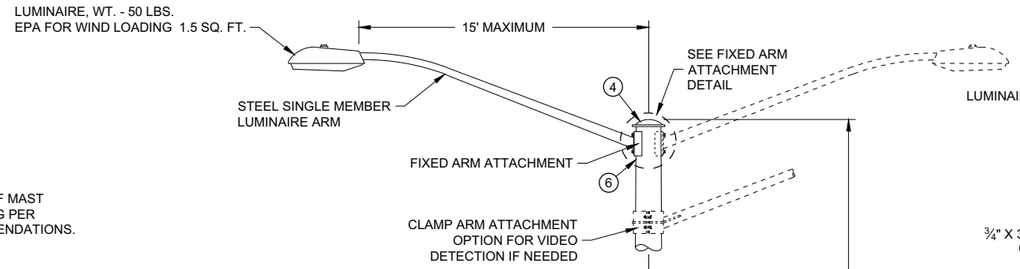


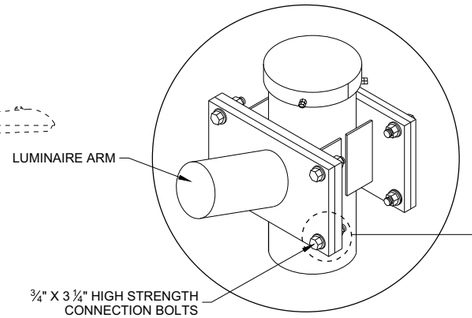
DUMBBELL VIBRATION DAMPER



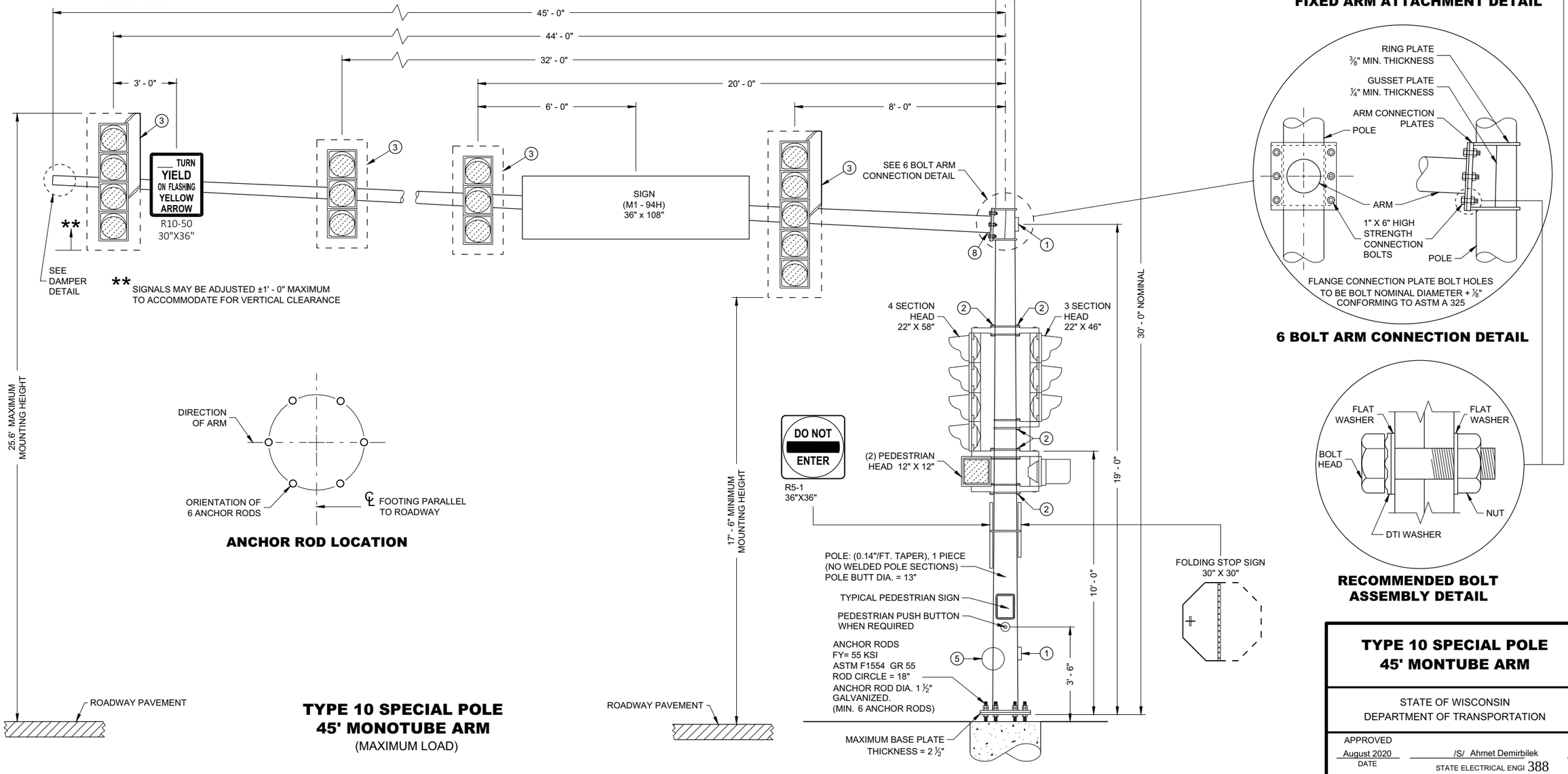
FLAT VIBRATION DAMPER

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





FIXED ARM ATTACHMENT DETAIL



6 BOLT ARM CONNECTION DETAIL

ANCHOR ROD LOCATION

RECOMMENDED BOLT ASSEMBLY DETAIL

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

TYPE 10 SPECIAL POLE
45' MONTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 388

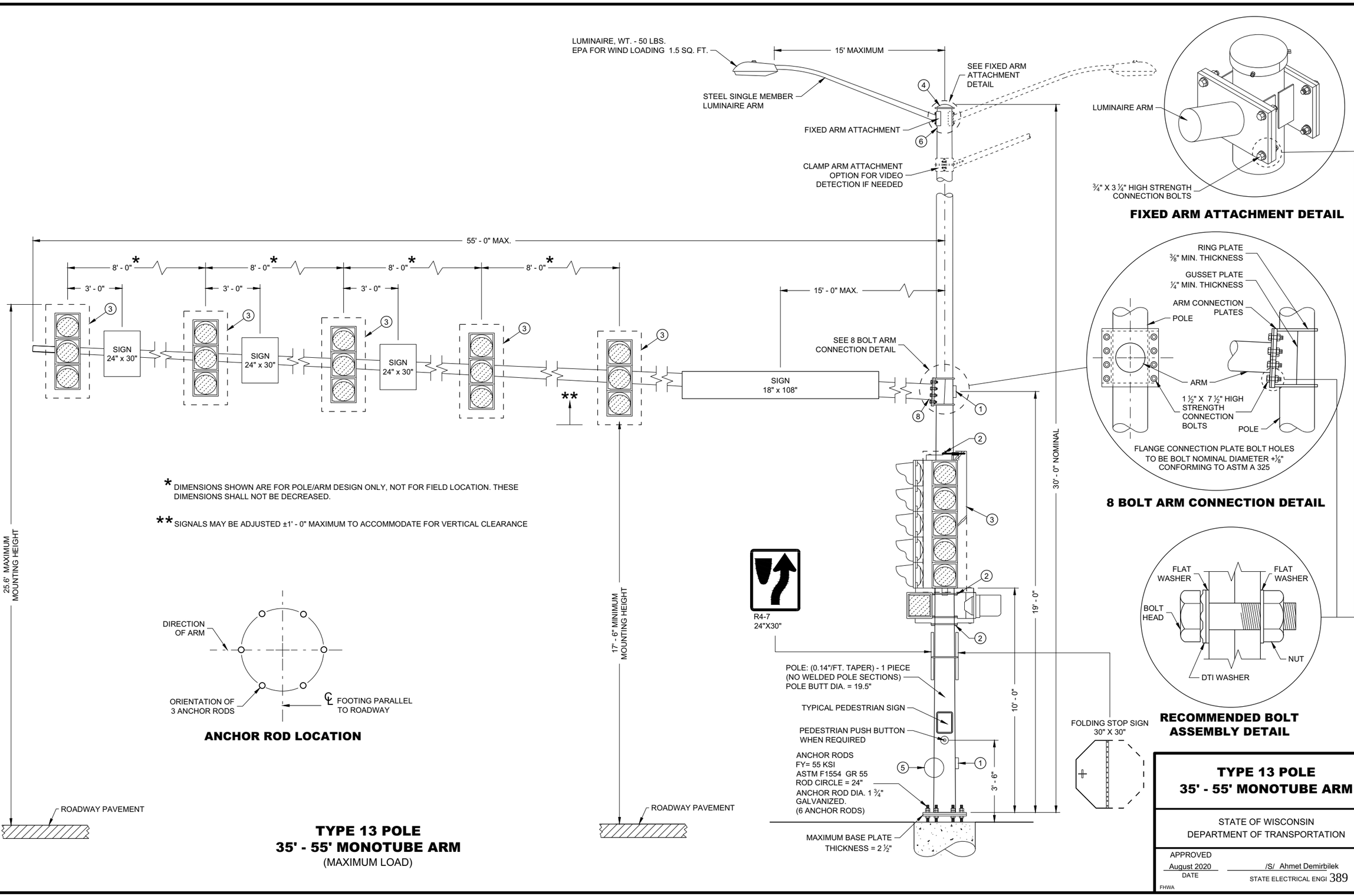
FHWA

SDD 09E08 - 08h

SDD 09E08 - 08h

6

6



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

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

ANCHOR ROD LOCATION

FIXED ARM ATTACHMENT DETAIL

8 BOLT ARM CONNECTION DETAIL

RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 13 POLE
35' - 55' MONOTUBE ARM
(MAXIMUM LOAD)

TYPE 13 POLE
35' - 55' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 389

FHWA

6
SDD 09E08 - 09j

GENERAL NOTES

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

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

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

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

MONOTUBE POLES AND ARMS SHALL BE GALVANIZED STEEL.

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

ONE PIECE POLE CONSTRUCTION (NO WELDED POLE SECTIONS).

STANDARD STRAIGHT ARM DESIGN (3% ± RISE).

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

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

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

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

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

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

115 MPH (700 YEAR MRI BASIC WIND SPEED).

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

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

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

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

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

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

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

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

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

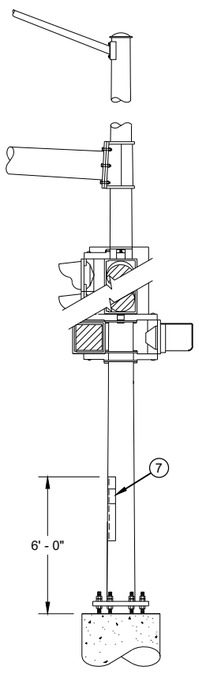
(6) FACTORY WELDED "J" HOOK FOR STRAIN RELIEF FOR POLE LUMINAIRE WIRE.

(7) INSTALL STRUCTURAL IDENTIFICATION PLAQUES.

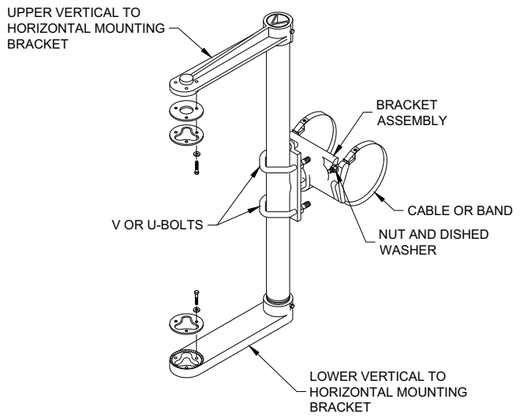
STRUCTURAL IDENTIFICATION PLAQUES SHALL BE PLACED ON THE POLES IN THE SAME DIRECTION AS THE ARM.

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

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

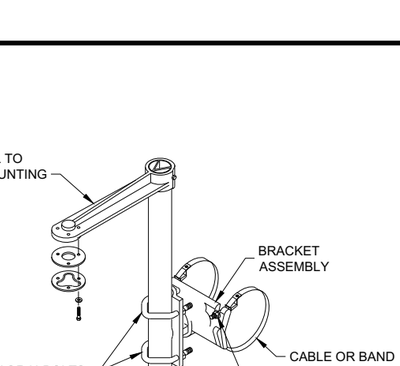


STRUCTURAL IDENTIFICATION PLAQUE PLACEMENT



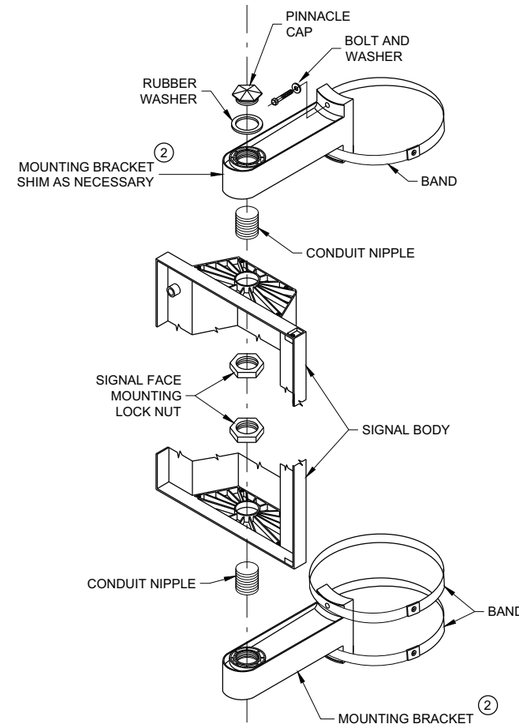
SIGNAL FACE MOUNTING BRACKET DETAIL FOR MONOTUBE ARM

(MOUNT PER MANFACTURER'S RECOMMENDATION)

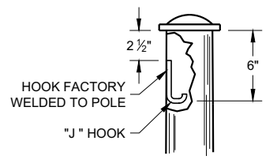


TYPICAL GROUNDING (5) CONNECTIONS

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



SIGNAL FACE VERTICAL MOUNTING DETAIL



TYPICAL "J" HOOK (6) WIRE SUPPORT

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

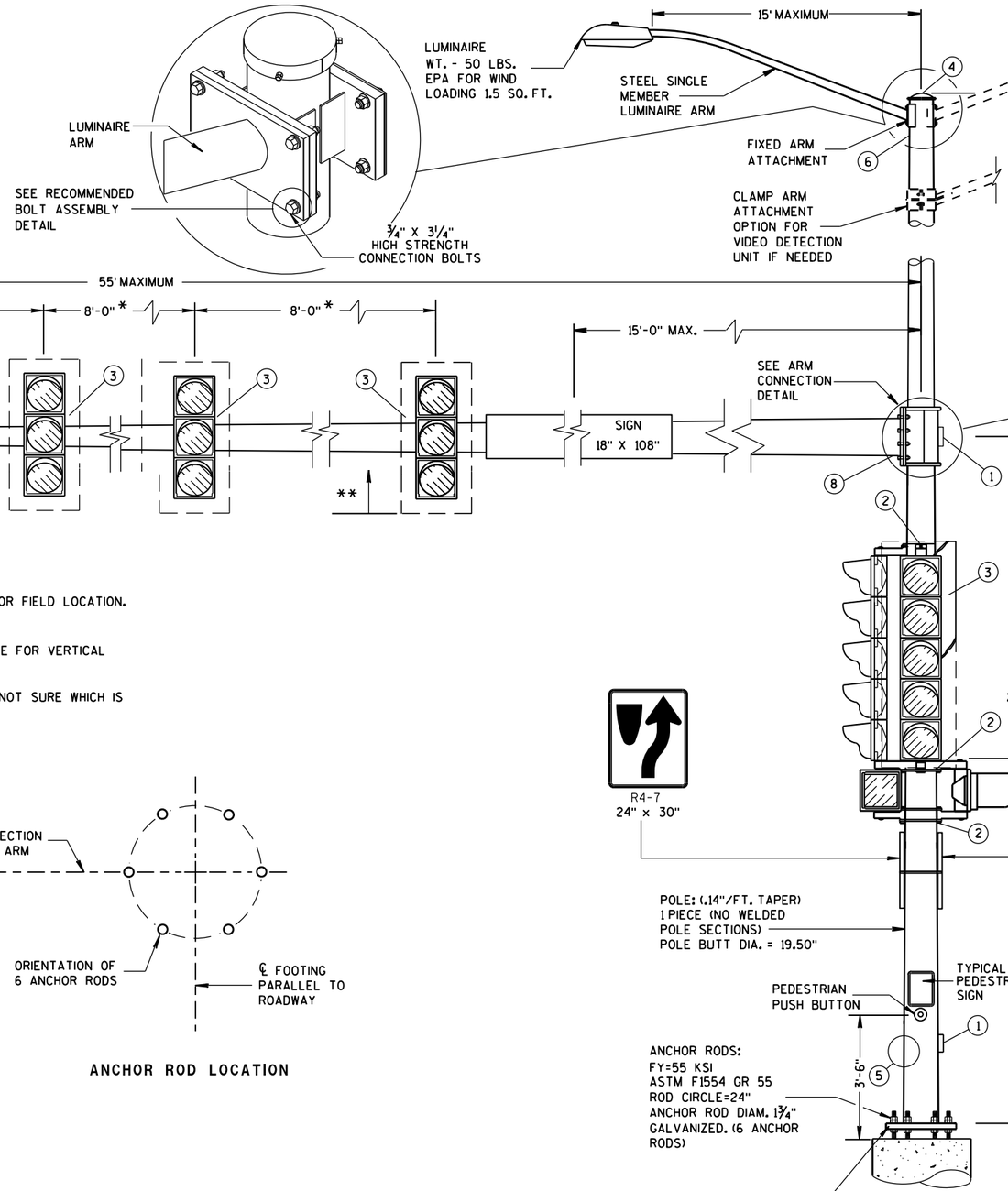
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL ENGINEER

FHWA

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SDD 09E08 - 09k



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

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

*** THIS SIGN WOULD ONLY BE USED IF ALL 3 SECTION HEADS. NOT SURE WHICH IS WORST CASE SCENARIO.

8 BOLT ARM CONNECTION DETAIL

ANCHOR ROD LOCATION

RECOMMENDED BOLT ASSEMBLY DETAIL

(MAXIMUM LOAD)

OVER HEIGHT TYPE 13 POLE 35'- 55' MONOTUBE ARM

OVER HEIGHT TYPE 13 POLE 35' - 55' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

S.D.D. 9 E 12-1d

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GENERAL NOTES

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

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

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

MONOTUBE POLE AND ARM SHALL BE GALVANIZED STEEL.

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

ONE (1) PIECE POLE CONSTRUCTION (NO WELDED POLE SECTIONS).

STANDARD STRAIGHT ARM DESIGN (3 % ± RISE).

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

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

MANUFACTURER'S SUBMITTED POLE DESIGNS AND DRAWINGS SHALL BE SIGNED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER AND CERTIFIED AS BEING IN COMPLIANCE WITH THE AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNAL 2015 1ST EDITION (INCLUDING 2017 INTERIM REVISIONS) AND ALL PERTINENT WISDOT SPECIFICATIONS AND DRAWINGS FOR TRAFFIC AND LIGHTING STRUCTURES AND AS FOLLOWS:

- CATEGORY III FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 AND TYPE 10 STRUCTURES.
- CATEGORY II FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 12 AND TYPE 13 STRUCTURES.
- 90 MPH (3-SECOND GUST) WIND SPEED AND A 50 YEAR DESIGN LIFE.

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

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

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

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

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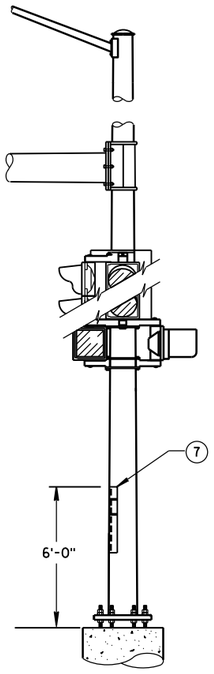
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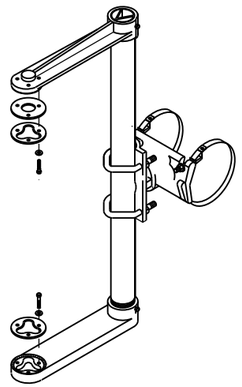
STRUCTURAL IDENTIFICATION PLAQUES SHALL BE PLACED ON THE POLES IN THE SAME DIRECTION AS THE ARM.

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

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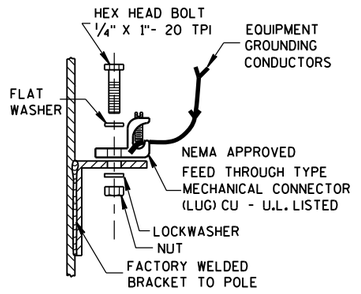


STRUCTURAL IDENTIFICATION PLAQUE PLACEMENT



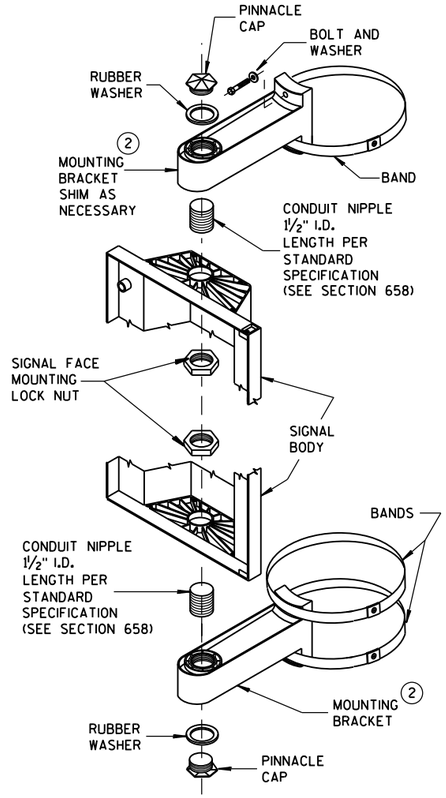
SIGNAL FACE MOUNTING BRACKET DETAIL FOR MONOTUBE ARM

(MOUNT PER MANUFACTURER'S RECOMMENDATION)

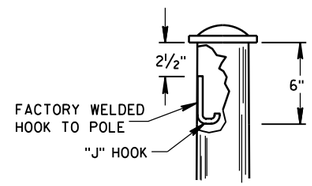


TYPICAL GROUNDING CONNECTIONS (5)

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



SIGNAL FACE VERTICAL MOUNTING DETAIL



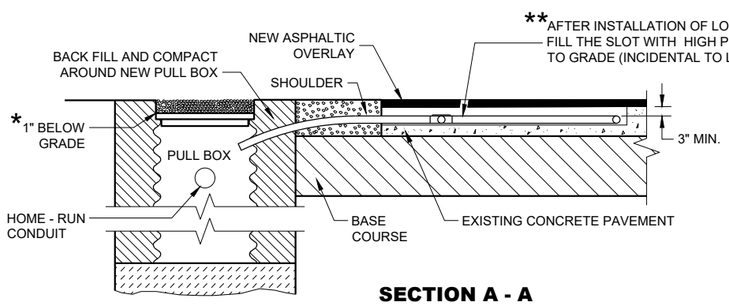
"J" HOOK WIRE SUPPORT (6)

GENERAL NOTES AND HARDWARE DETAILS FOR OVER HEIGHT TYPE 9, 10, 12 & 13 POLES WITH MONOTUBE ARMS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

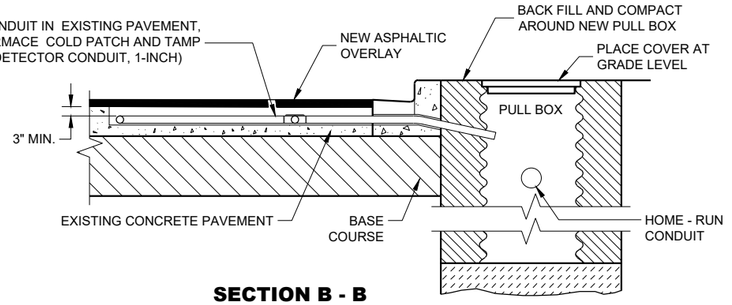
APPROVED
May 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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S.D.D. 9 E 12-1e



SECTION A - A
NO CURB AND GUTTER

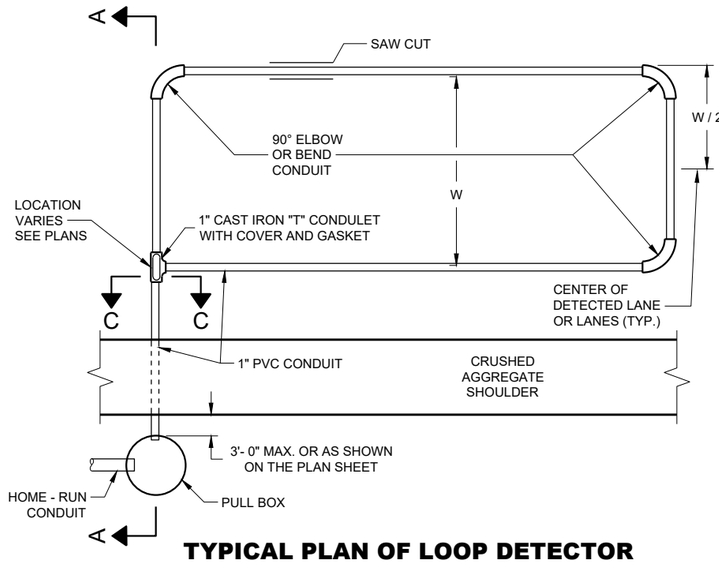
LOOP DETECTOR INSTALLATION DETAIL



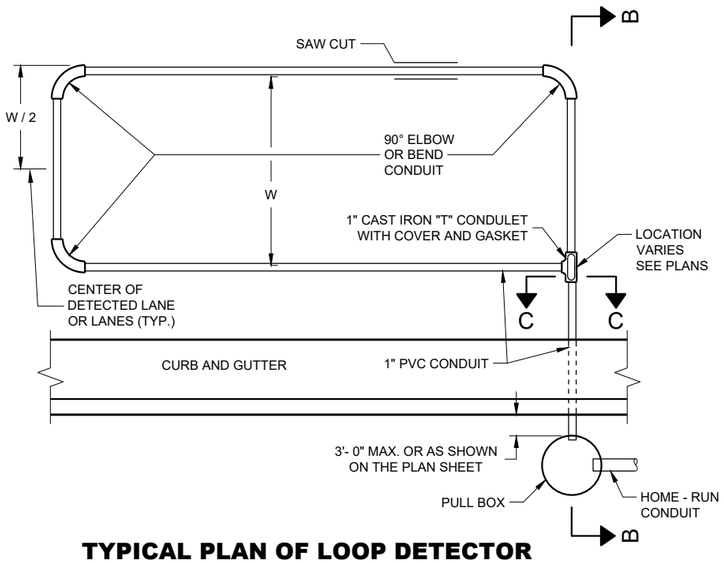
SECTION B - B
CURB AND GUTTER

LOOP DETECTOR INSTALLATION DETAIL

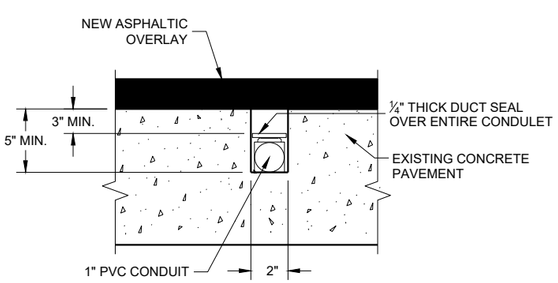
* RECESS PULL BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.



TYPICAL PLAN OF LOOP DETECTOR

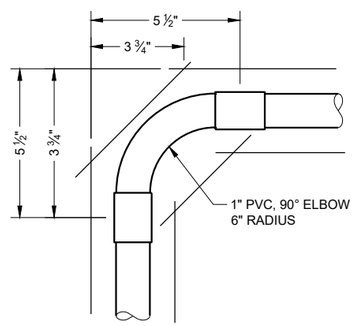


TYPICAL PLAN OF LOOP DETECTOR



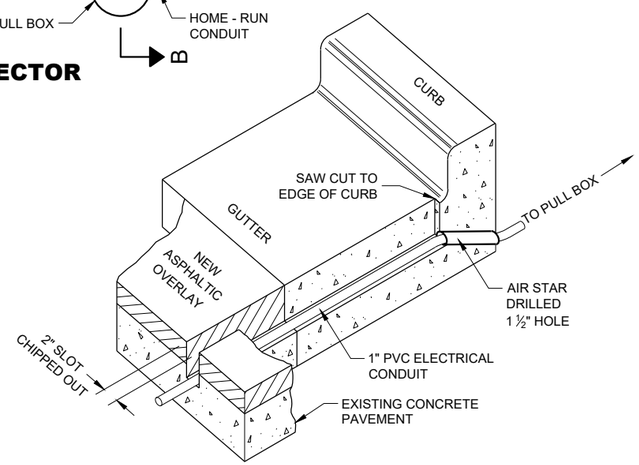
SIDE VIEW
SECTION C - C

LOOP DETECTOR SLOT DETAIL



TOP VIEW

CORNER SAW SLOT DETAIL



ISOMETRIC VIEW

TYPICAL SAW CUT DETAIL FOR LEAD-IN CONDUIT

GENERAL NOTES

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

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL BOX.

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READING TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

THE #12 AWG LOOP WIRE FROM THE LOOP TO THE ROADSIDE PULL BOX, SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE INSTALLATION.

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

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

BEFORE PLACING THE 1 INCH CONDUIT IN THE CLEANED OUT SLOT, PLACE SOME OF THE TAR OR EPOXY SEALANT IN THE SLOT TO A DEPTH OF APPROXIMATELY ½ INCH.

ONCE THE 2" LOOP SLOT HAS BEEN CHIPPED OUT, THE LOOP INSTALLATION SHALL BE COMPLETED PRIOR TO OPENING THE LANE(S) TO TRAFFIC.

** AFTER THE HIGH PERFORMANCE COLD PATCH HAS BEEN TAMPED, SEAL THE SLOT/HIGH PERFORMANCE COLD PATCH/PAVEMENT OPENING WITH HOT POURED ELASTIC TYPE MATERIAL CONFORMING TO THE REQUIREMENTS OF THE "SPECIFICATION FOR JOINT SEALANTS, HOT POURED, FOR CONCRETE AND ASPHALT PAVEMENTS, ASTM DESIGNATION: D3405".

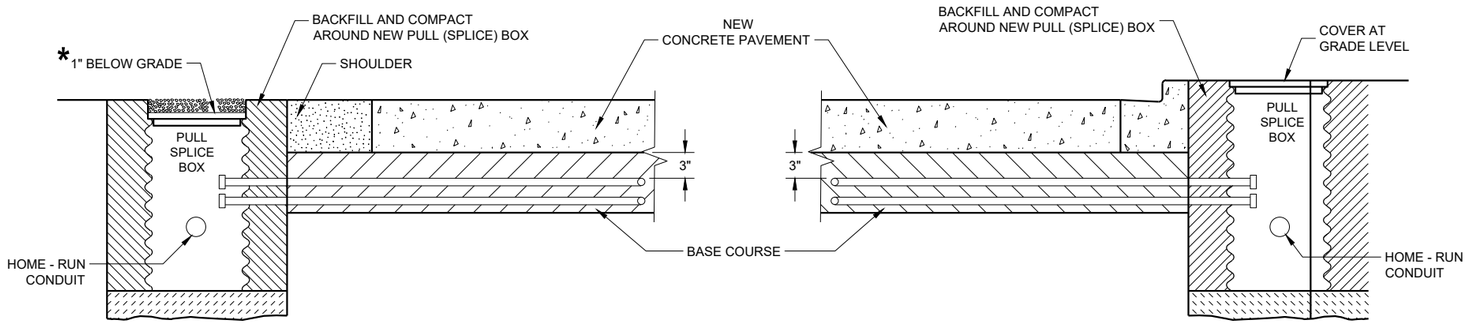
IN THE EVENT HIGH PERFORMANCE COLD PATCH IS NOT AVAILABLE, AND FLEXIBLE TYPE EPOXY IS USED AS A LOOP SLOT FILLER, THE 2 INCH SLOT SHALL BE TOTALLY CLEAN AND DRY BEFORE ITS INSTALLATION. EPOXY USE SHALL BE APPROVED BY THE DISTRICT ENGINEER AND THE FURNISHED EPOXY SHALL BE INSTALLED AFTER WRITTEN APPROVAL BY THE PROJECT ENGINEER.

LOOP DETECTOR INSTALLED IN EXISTING CONCRETE PAVEMENT WITH NEW ASPHALTIC OVERLAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 393
FHWA

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SDD 09F11 - 04



SECTION A - A
NO CURB AND GUTTER

SECTION B - B
CURB AND GUTTER

* RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

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

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

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LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

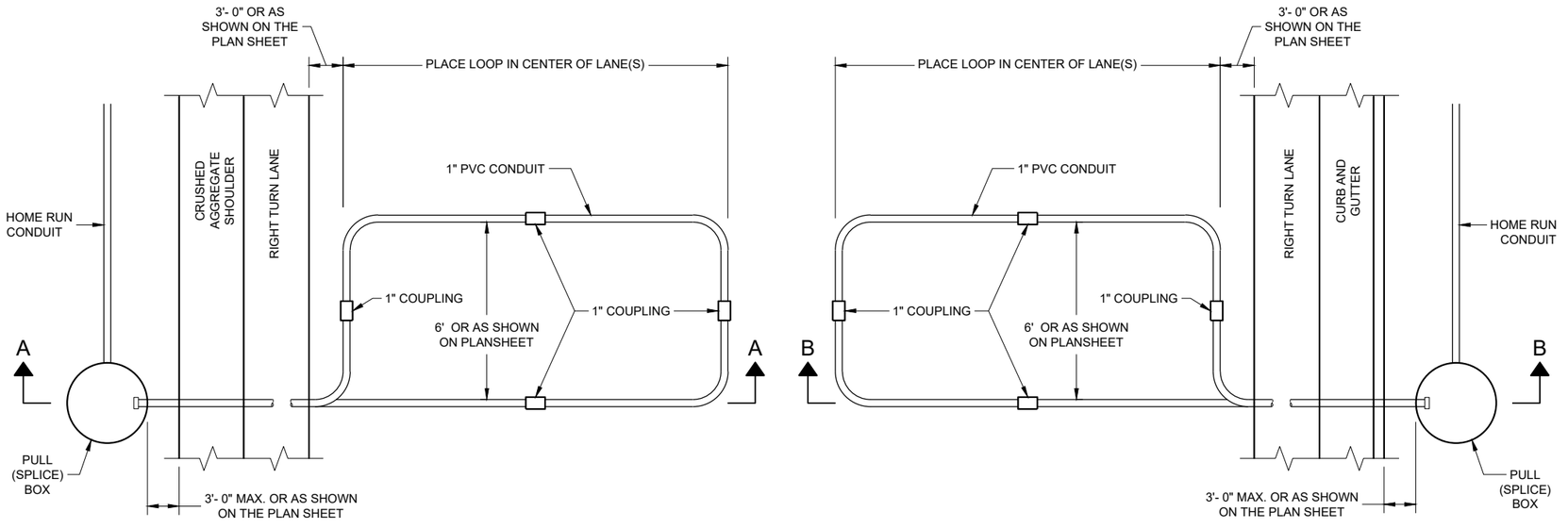
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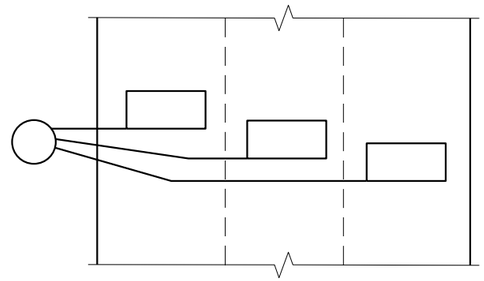
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE NON-SPLICED, CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT IN THE BASE COURSE SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN LOOP DETECTOR WITH 24" PULL (SPLICE) BOX



MULTI-LANE INSTALLATION

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

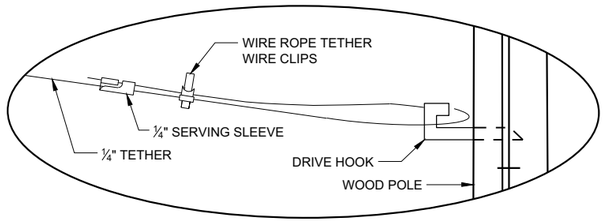
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SDD 09F15 - 04b

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SDD 09F15 - 04b

MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

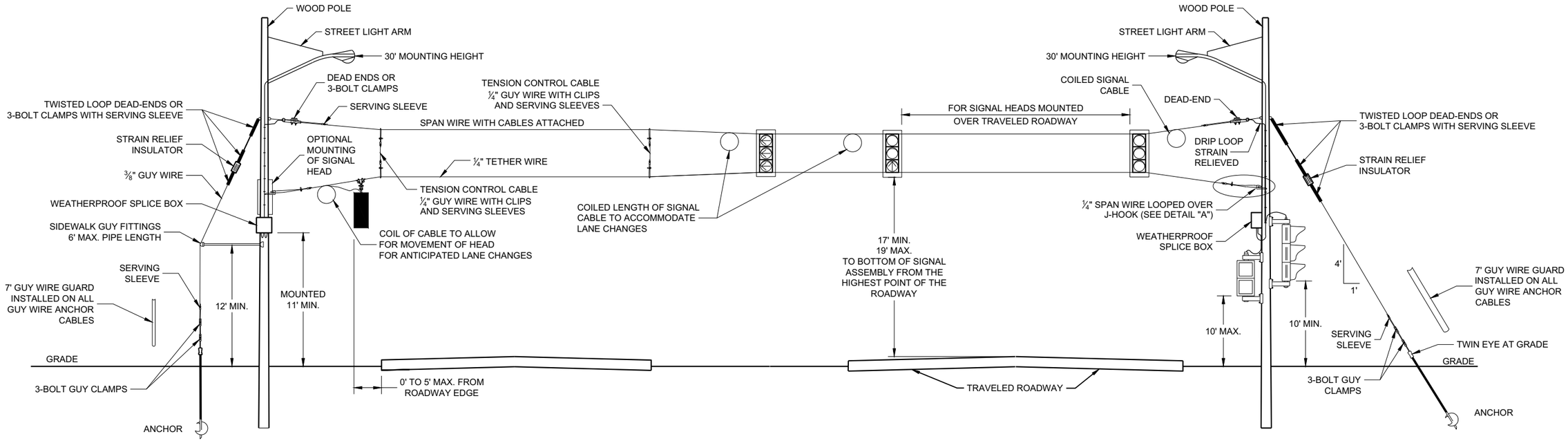


DETAIL "A"

GENERAL NOTES

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

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.
2. SIGNAL FACES:
   A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.
   B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.
   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.
3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBLY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.



SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE

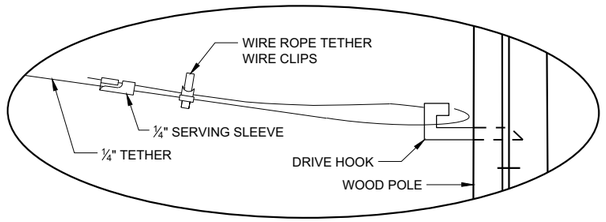
/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI

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MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

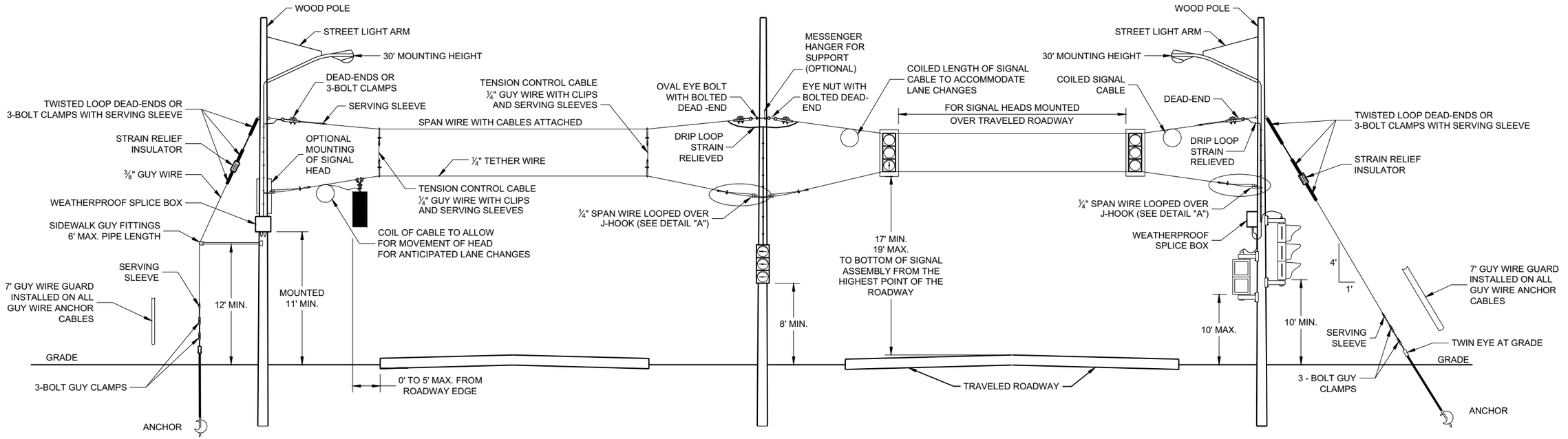


DETAIL "A"

GENERAL NOTES

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SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

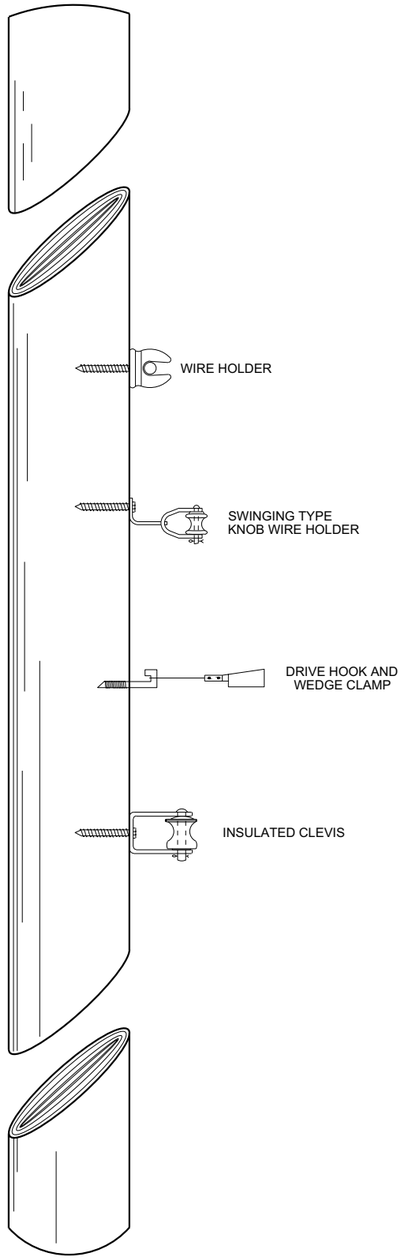
APPROVED
June 2015
DATE

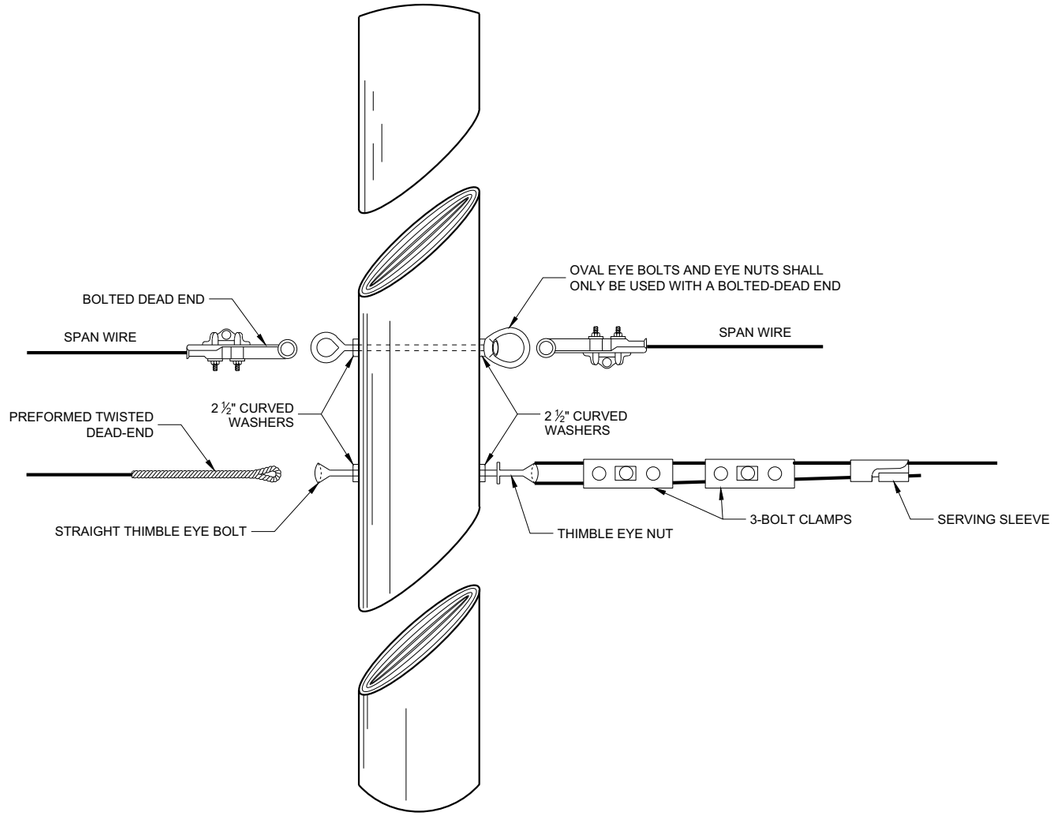
/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI

FHWA

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SDD09G01 - 04c





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SDD 09G01 - 4d

SDD 09G01 - 4d

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

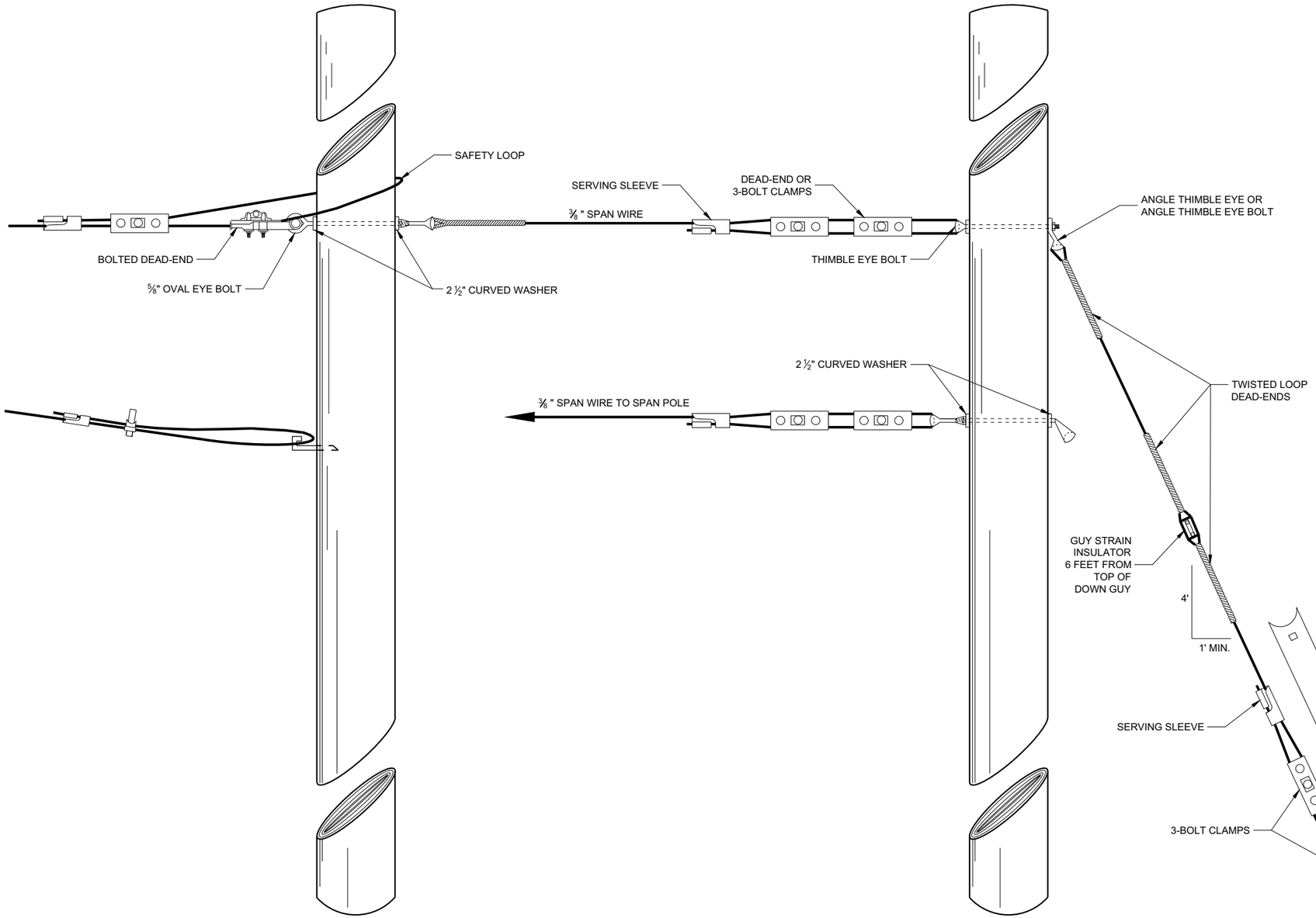
June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

FHWA

GENERAL NOTES

1. USE ¾" DRILL IN WOOD POLE TO PROVIDE FOR ⅝" BOLTS.
2. SAFETY LOOP REQUIRED ON EACH END OF ALL SPAN WIRES.



SPAN WIRE POLE

GUY POLE

TYPICAL DEAD-ENDINGS OR GUYING

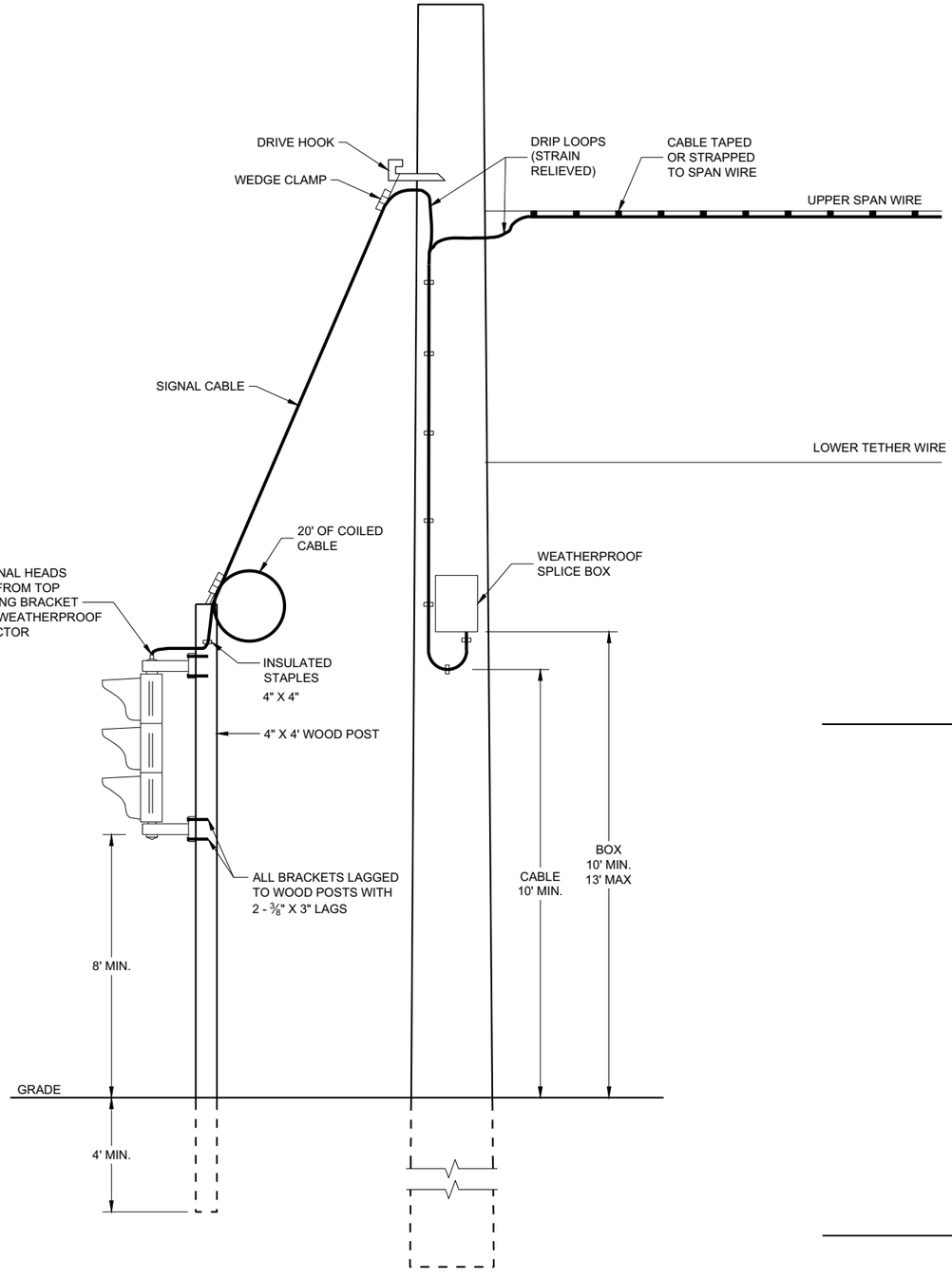
SPAN WIRE TEMPORARY TRAFFIC SIGNAL	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2015 DATE	/S/ Ahmet Demerbilek ROADWAY STANDARDS DEVE ENGINEER
FHWA	398

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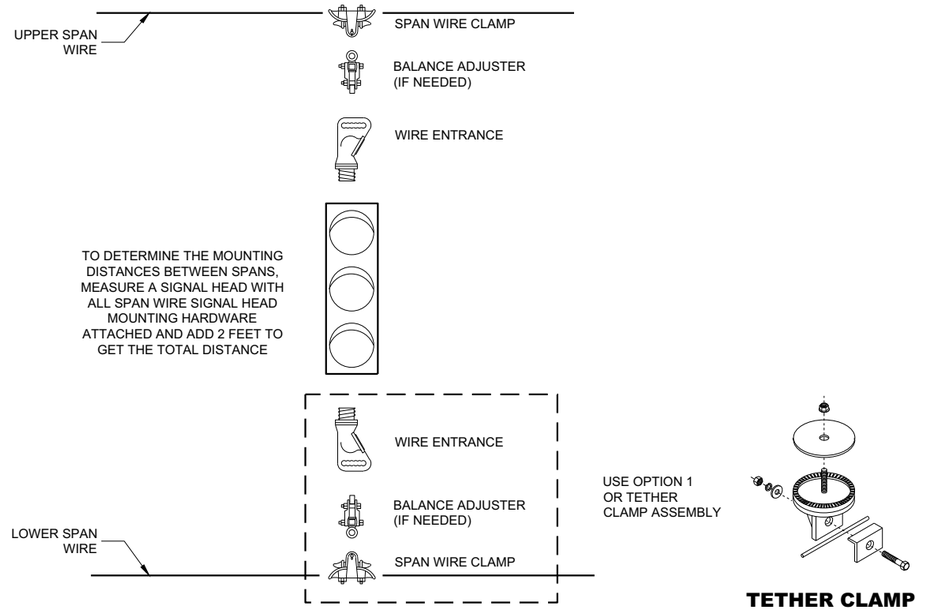
SDD 09G01 - 4e

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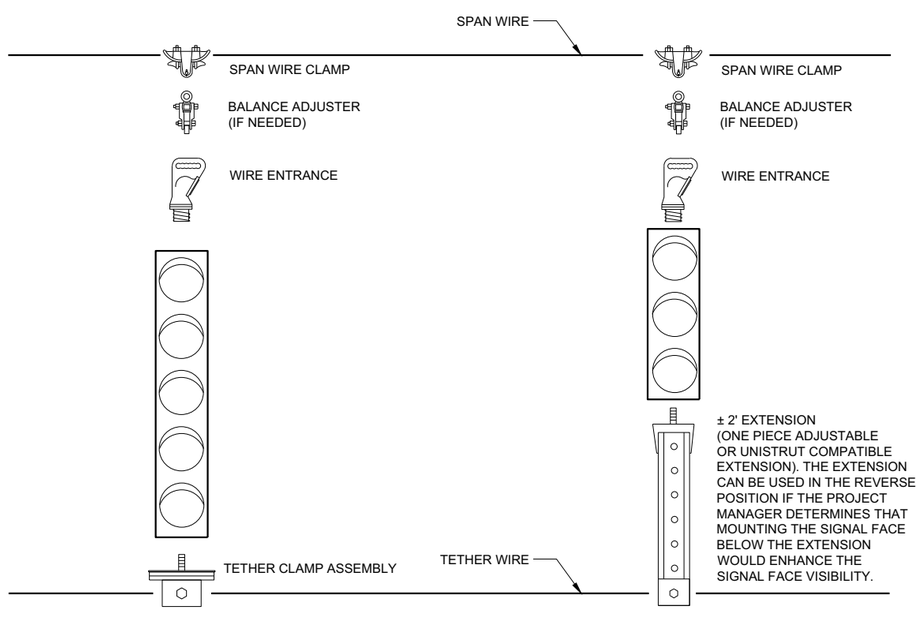
SDD 09G01 - 4e



TYPICAL DROP TO TEMPORARY MOVEABLE SIGNAL



TYPICAL SPAN WIRE MOUNTING HARDWARE



5 SECTION VERTICAL WITH 3 SECTION VERTICAL ON ONE SPAN WIRE

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

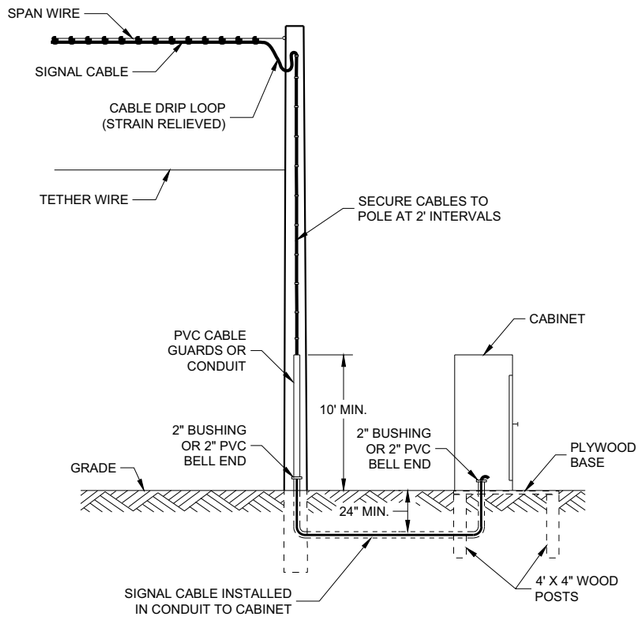
APPROVED
June 2015
DATE

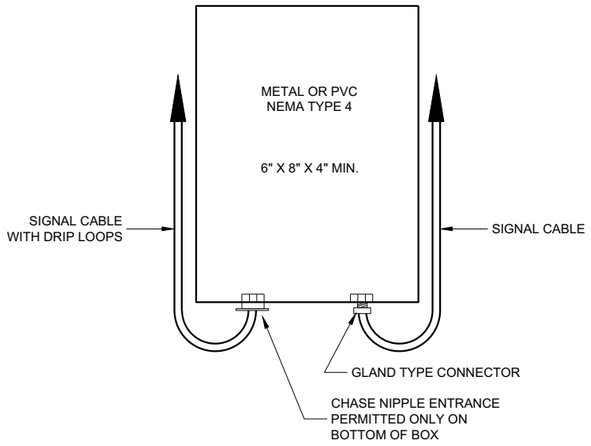
/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

FHWA

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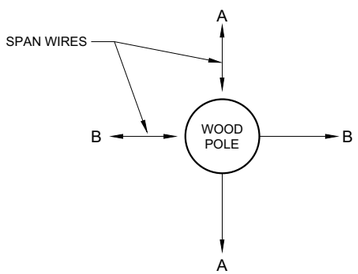
SDD 09G01 - 4f





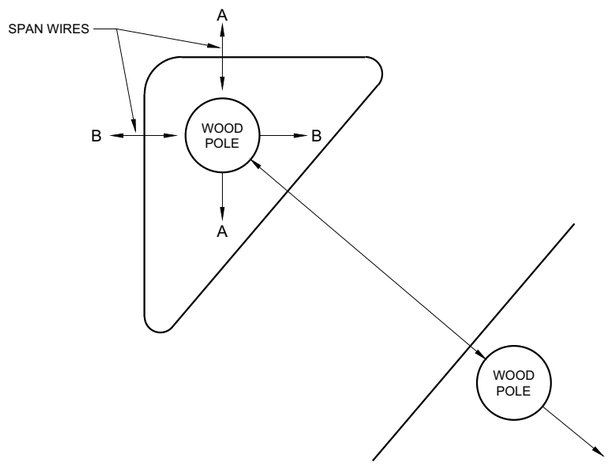
SPLICE BOX

TYPICAL SKID TYPE TEMPORARY

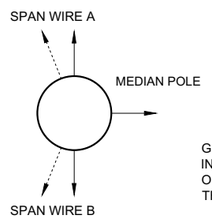


ALL DOWN OR SIDEWALK GUYS
SHALL BE INSTALLED IN THE
OPOSITE DIRECTION OF THE
STRAIN OF THE SPAN WIRE

CORNER POLES



ISLAND POLES



GUY AWAY FROM
INTERSECTION OR IN
OPPOSITE DIRECTION OF
THE SPAN LOADING

MEDIAN POLES

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

FHWA

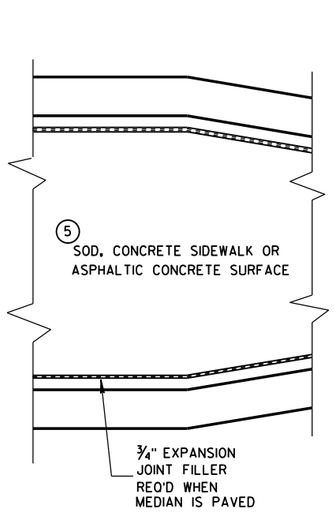
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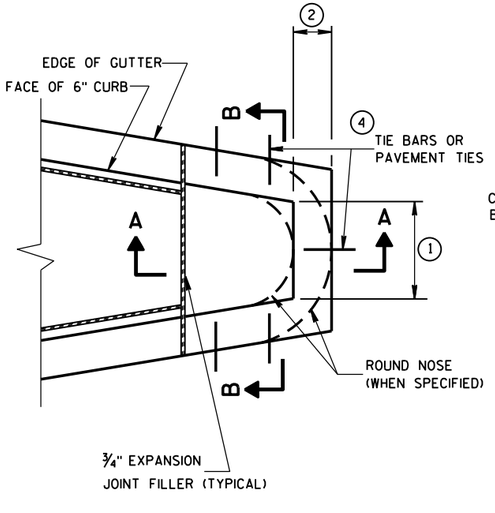
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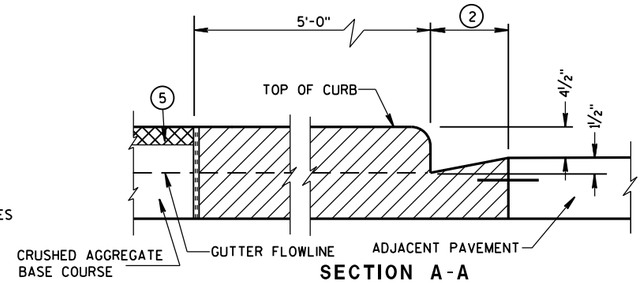
SDD 09G01 - 4g

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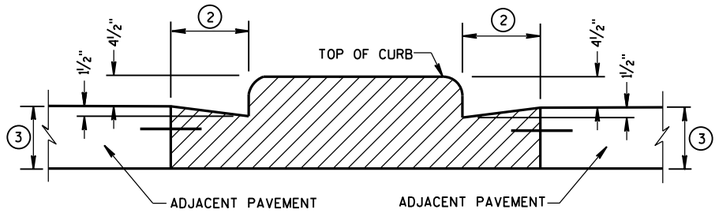
SDD 09G01 - 4g







SECTION A-A



SECTION B-B

CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

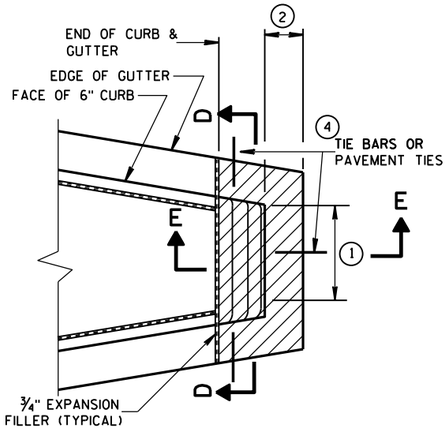
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

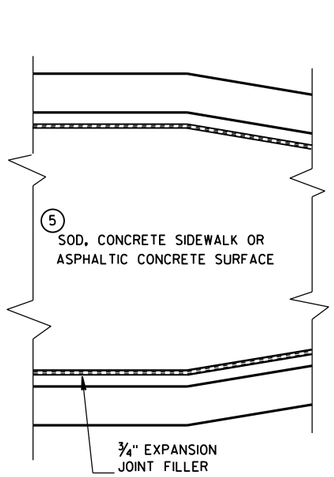
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

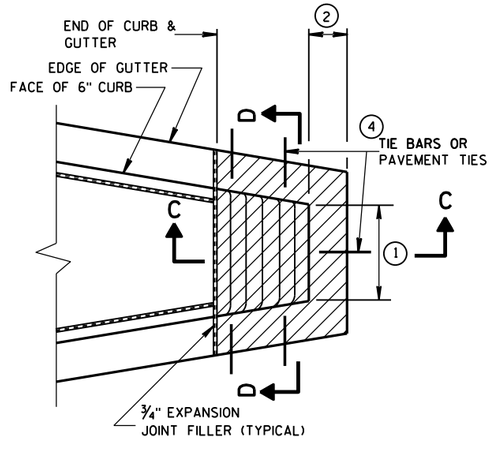
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

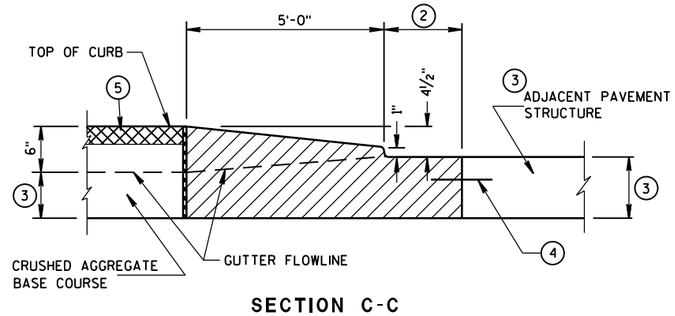
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



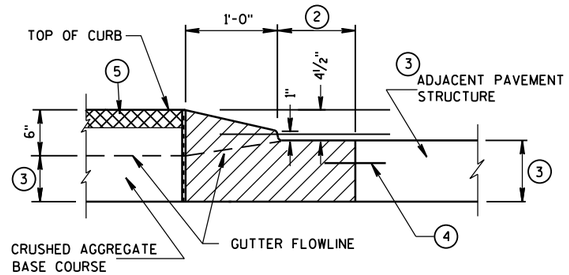




CONCRETE MEDIAN SLOPED NOSE TYPE 1

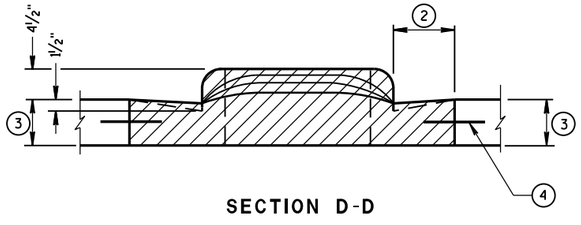


SECTION C-C



SECTION E-E

CONCRETE MEDIAN SLOPED NOSE TYPE 2



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

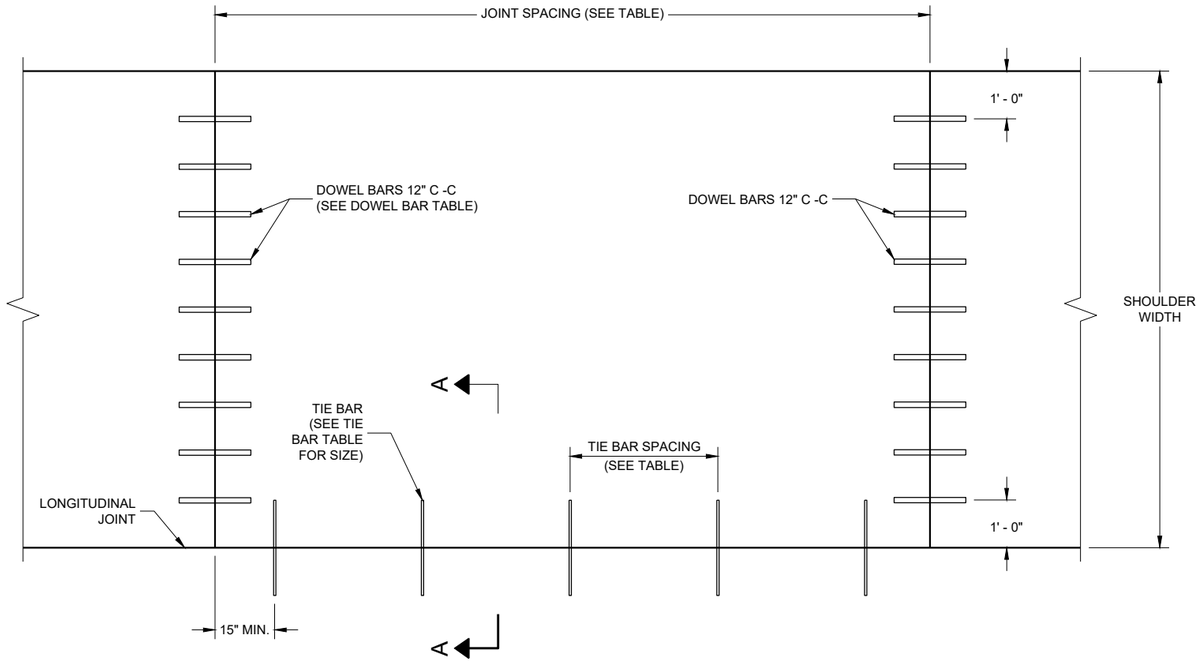
APPROVED
6/8/2006
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS D ENGINEER
FHWA

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S.D.D. 11 B 2-2



PLAN VIEW

CONCRETE PAVEMENT SHOULDER

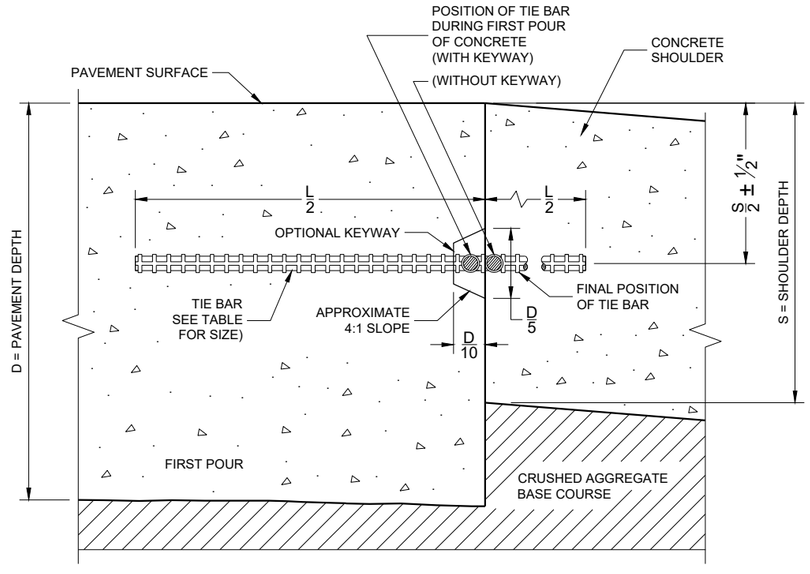
GENERAL NOTES

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

TRANSVERSE JOINT DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

FINISH THE SHOULDER PAVEMENT CONFORMING TO SUBSECTION 415.3.8 OF THE STANDARD SPECIFICATIONS.

TIE BARS SHALL CONFORM TO SUBSECTION 505.2.4 OF THE STANDARD SPECIFICATIONS.



SECTION A - A

LONGITUDINAL CONSTRUCTION JOINT

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 BATS 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"

*** FOR DOWELED CONCRETE SHOULDERS WITH TRAPEZOIDAL CROSS SECTIONS, CHOSE THE APPROPRIATE DOWEL BAR DIAMETER BASED ON THE SMALLER PAVEMENT DEPTH (LIKELY THE OUTSIDE EDGE OF THE SHOULDER). IF USING BASKETS, USE BASKETS FRO THE AVERAGE THICKNESS OF THE CROSS SECTION.

CONCRETE PAVEMENT SHOULDERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

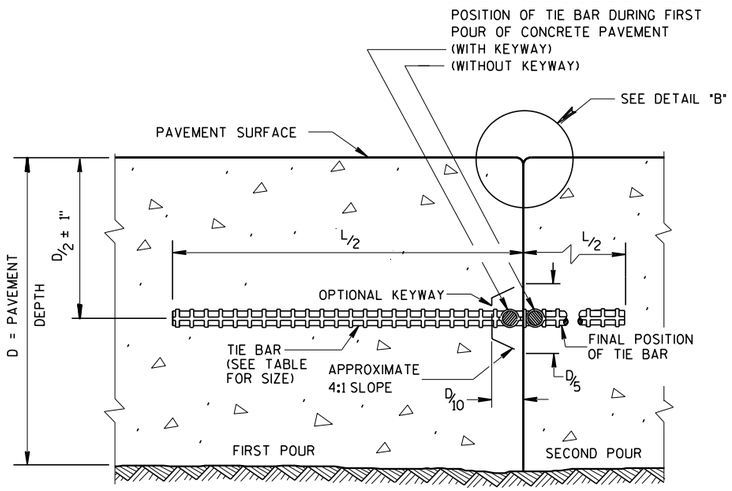
APPROVED
November 2022
DATE

/S/ Peter Kemp
PAVEMENT SUPERVIS

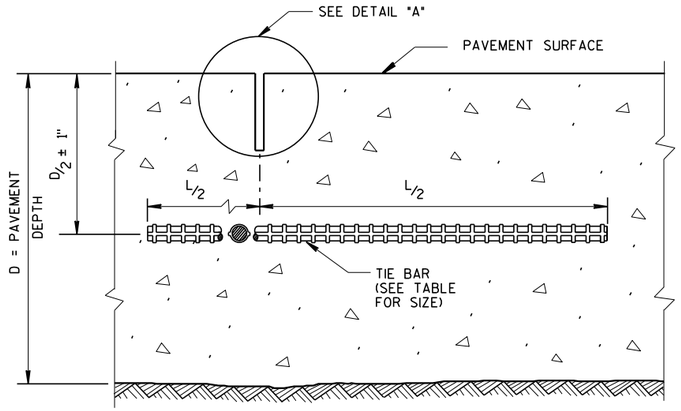
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SDD 13A03 - 07



CONSTRUCTION JOINT



SAWED JOINT

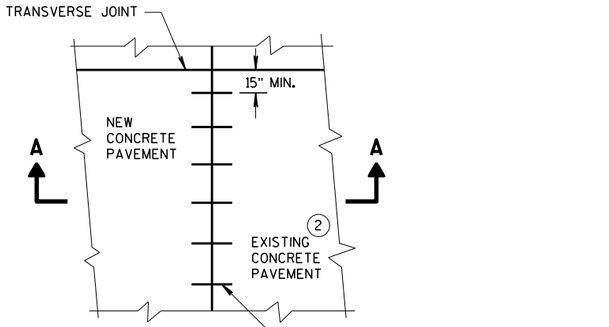
GENERAL NOTES

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

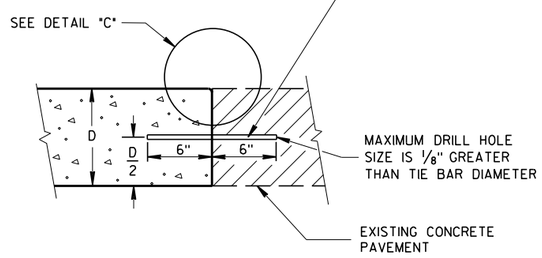
CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

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

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

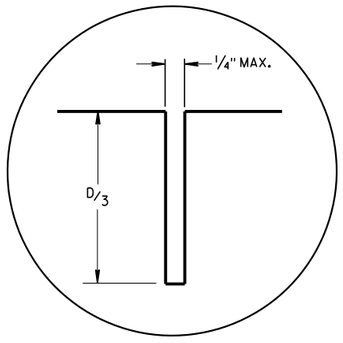


PLAN VIEW

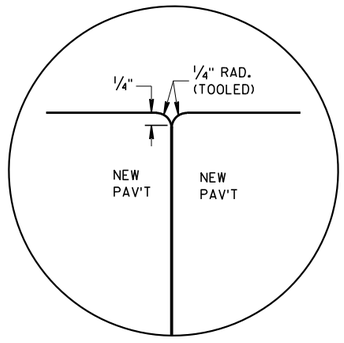


SECTION A-A

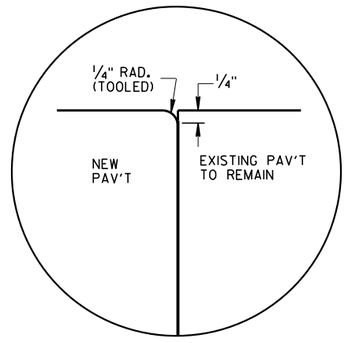
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT



DETAIL "A"



DETAIL "B"



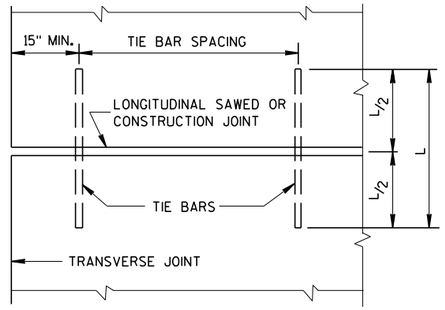
DETAIL "C"

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

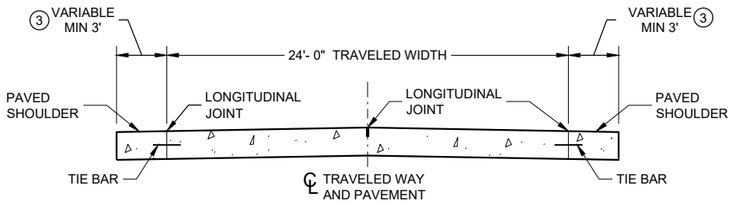
APPROVED
March 2018 — DATE
/S/ Peter Kemp PE — PAVEMENT SUPE
FHWA

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S.D.D. 13 C 1-19

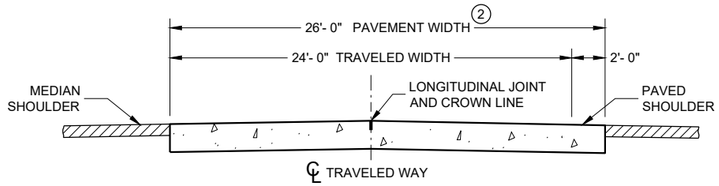
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S.D.D. 13 C 1-19

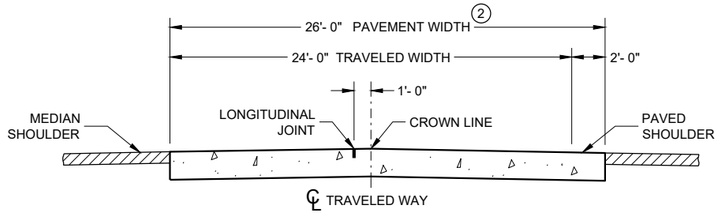


SECTION A - A

TWO-LANE TWO-WAY HIGHWAY (1)



SECTION B - B



ALTERNATIVE SECTION B - B

DIVIDED HIGHWAY (1)

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.

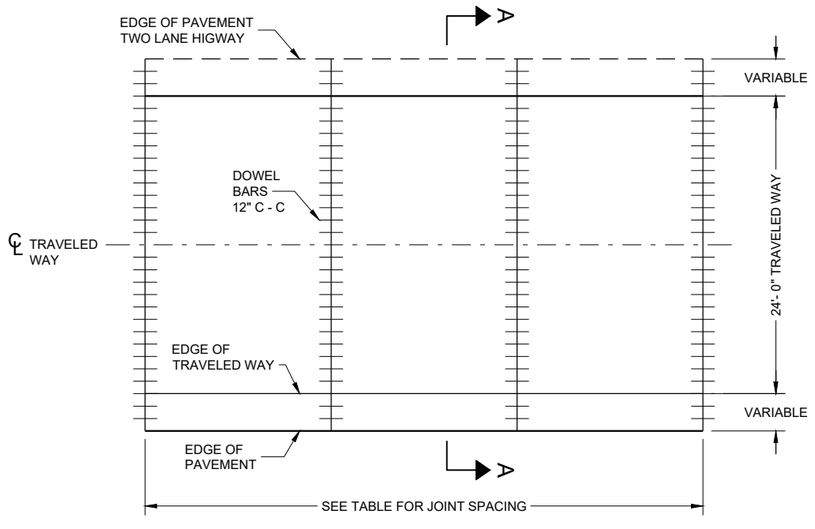
(1) REFER TO TYPICAL CROSS SECTIONS FOR ADDITIONAL DETAILS.

(2) MEASURE THE ENTIRE PAVED WIDTH INCLUDING THE PORTION(S) LABELED "PAVED SHOULDER" AS CONCRETE PAVEMENT.

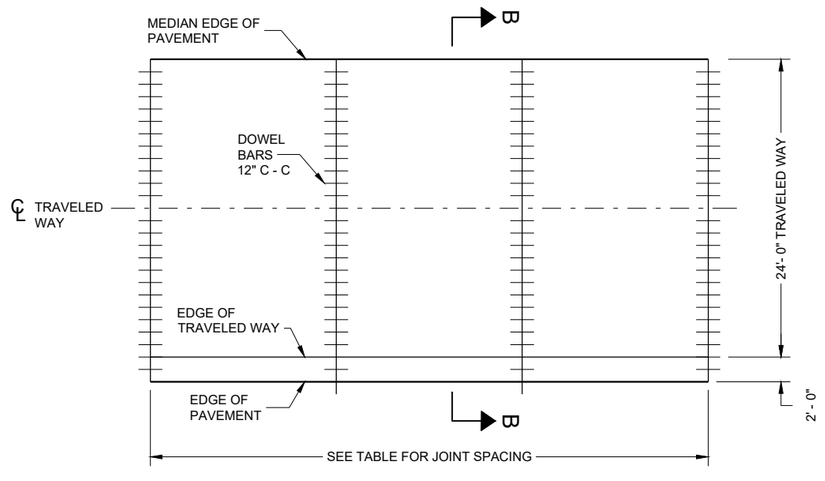
(3) SHOULDER WIDTHS LESS THAN 3 FEET SHALL BE PAVED INTEGRAL TO THE MAINLINE CONCRETE PAVEMENT, SEE SECTION B-B.

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'



CONTRACTION JOINT LAYOUT FOR TWO-LANE TWO-WAY HIGHWAY



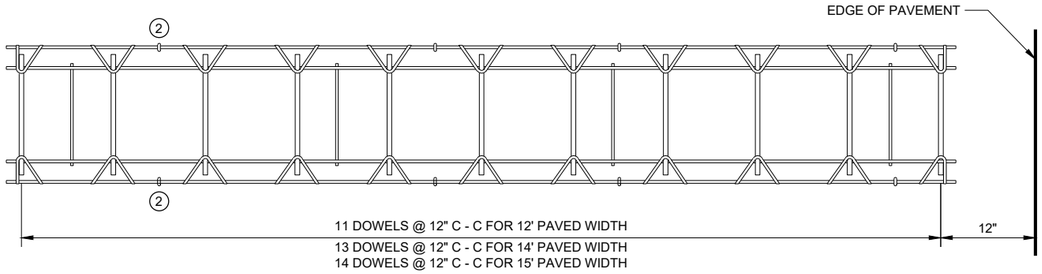
CONTRACTION JOINT LAYOUT FOR DIVIDED HIGHWAY

RURAL DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD13C11 - 14a



PLAN VIEW



SIDE VIEW

(NORMAL TO CENTERLINE)

CONTRACTION JOINT DOWEL ASSEMBLY (1)

GENERAL NOTES

(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.

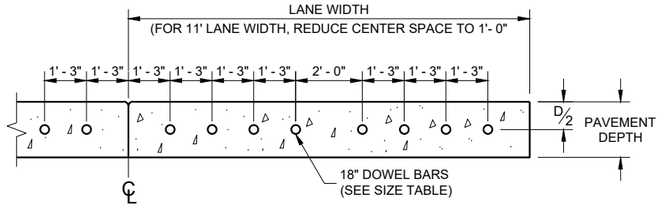
(3) FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼" RADIUS AT FORMED JOINTS.

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

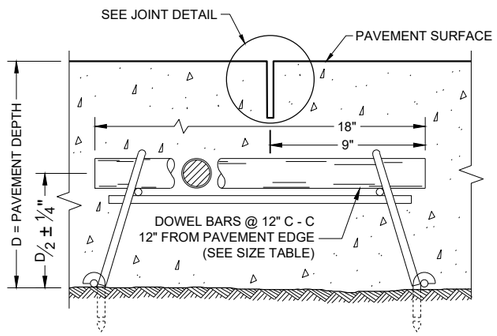
(5) INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C - C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO THE "DRILLED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

(6) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

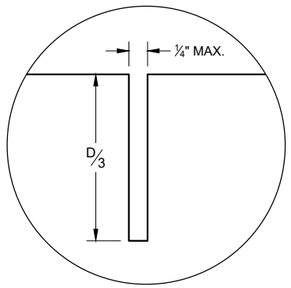
(7) ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛" GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



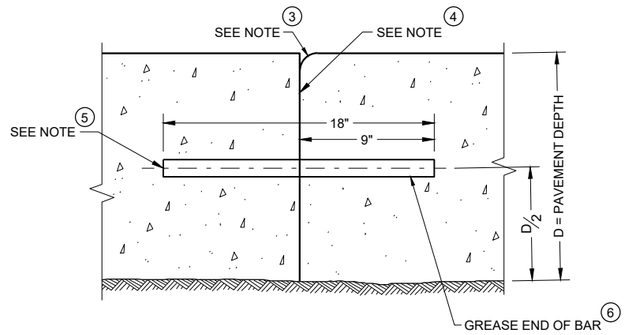
DRILLED DOWEL BAR CONSTRUCTION JOINT (7)



DOWELED CONTRACTION JOINT



JOINT DETAIL



TRANSVERSE CONSTRUCTION JOINT

RURAL DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVISOR

FHWA

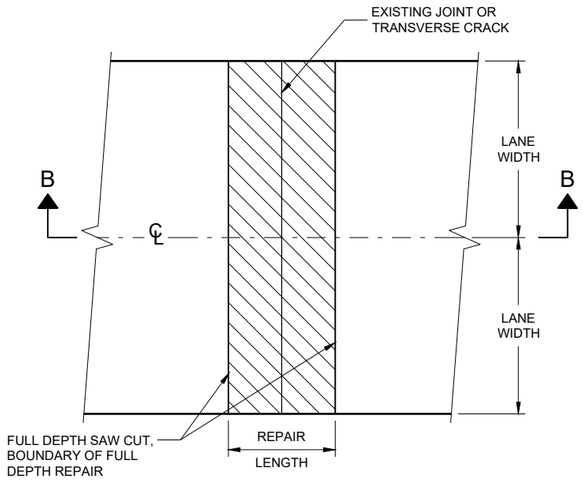
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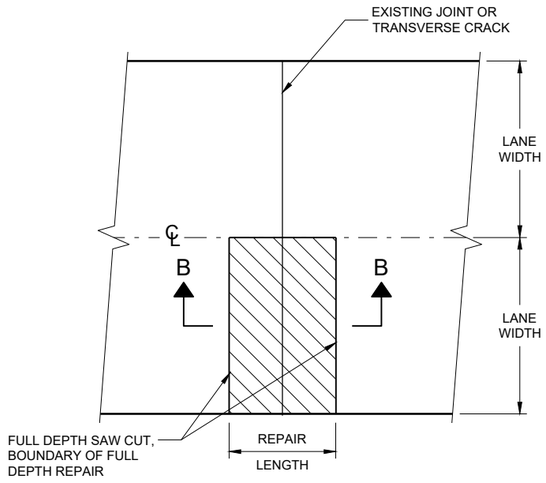
SDD 13C11 - 14b

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SDD 13C11 - 14b

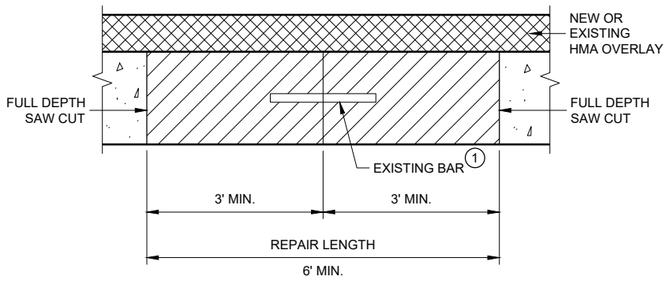


PLAN VIEW
DOUBLE LANE REPAIR



PLAN VIEW
SINGLE LANE REPAIR

FULL DEPTH CONCRETE PAVEMENT REMOVAL



SECTION B - B
CONCRETE REMOVAL

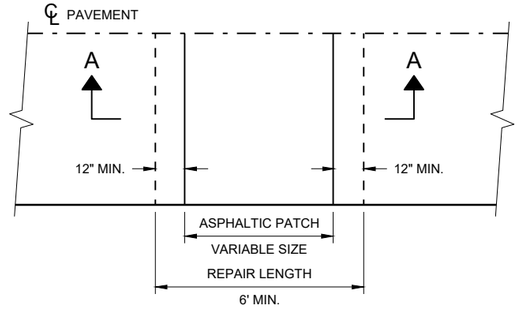
GENERAL NOTES

SAW CUT, DRILL, AND LIFT OUT EXISTING CONCRETE PAVEMENT WITHIN THE BOUNDARIES OF CONCRETE REPAIR AREAS. THE CONTRACTOR MAY MAKE ADDITIONAL SAW CUTS INSIDE THE REPAIR LIMITS TO REDUCE WEIGHT AND SIZE OF CONCRETE PIECES.

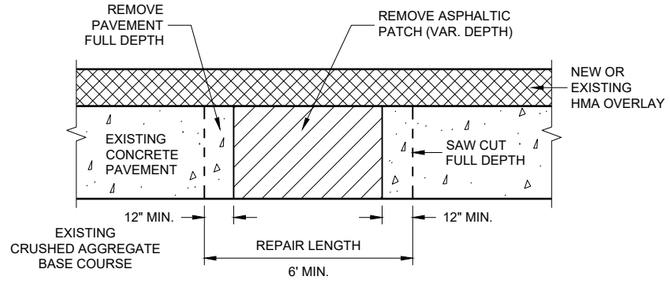
PROVIDE A 6 FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREA TO ADJACENT TRANSVERSE JOINT OR CRACK.

THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NON-DOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

(1) DOWEL BARS MAY NOT BE PRESENT.



PLAN VIEW



SECTION A - A

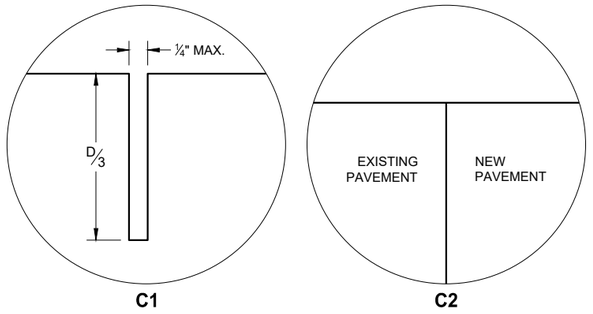
HMA PATCH REMOVAL

BASE PATCHING CONCRETE

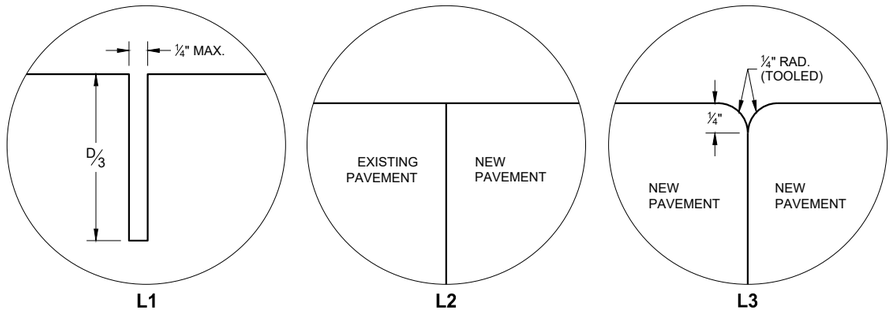
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

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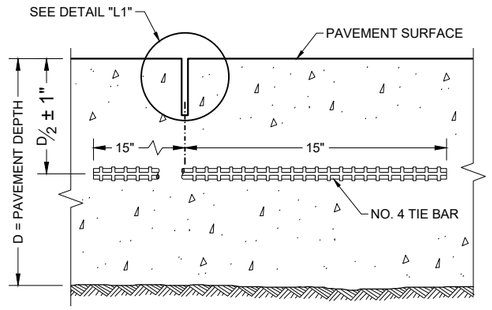
SDD 13C14 - 07a



TRANSVERSE JOINTS

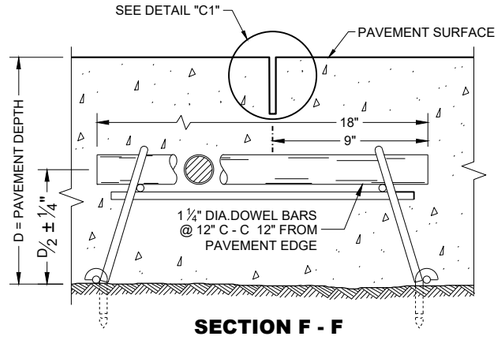


LONGITUDINAL JOINTS



SECTION C - C

SAWED LONGITUDINAL JOINT



SECTION F - F

CONTRACTION JOINT

GENERAL NOTES

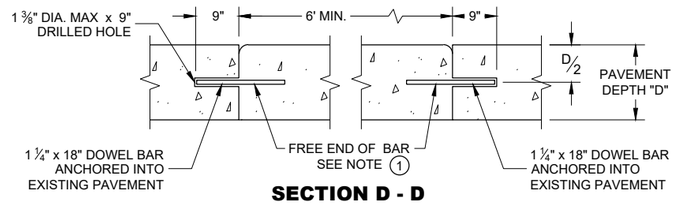
INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

CONCRETE BASE PATCHES OF EXISTING NON-DOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

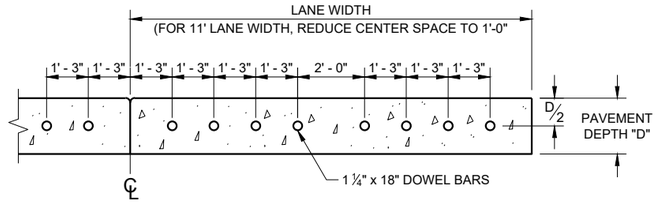
ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM ALL TRANSVERSE JOINTS OR EDGES OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT O EDGE.

(1) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

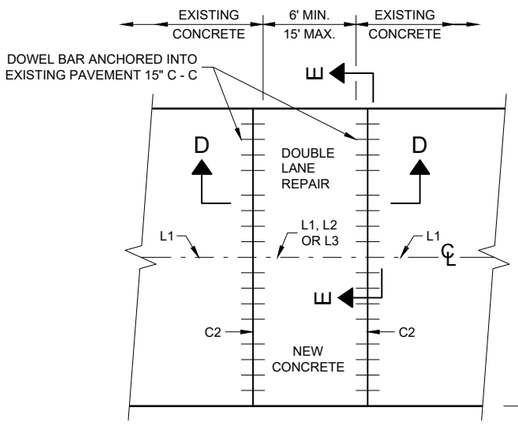


SECTION D - D



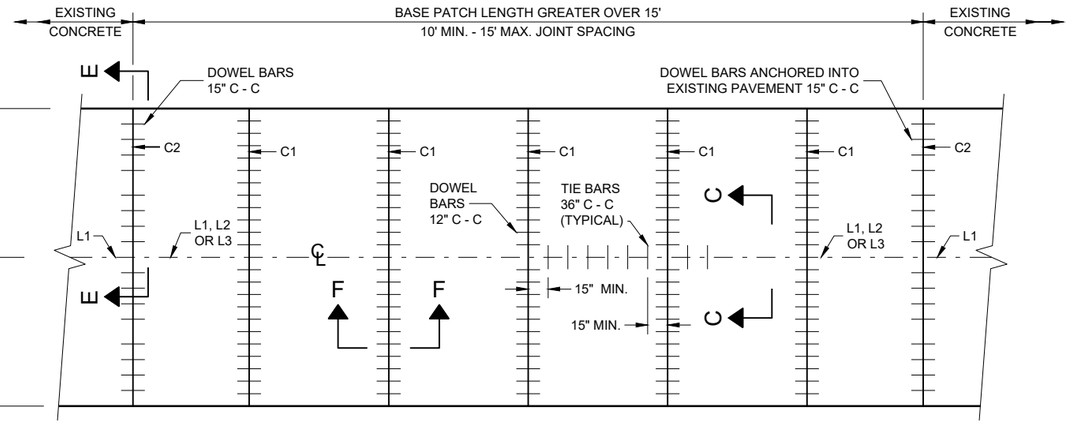
SECTION E - E

SPACING OF DOWEL BARS ANCHORED INTO EXISTING PAVEMENT



PLAN VIEW

MULTILANE CONCRETE BASE PATCH 15' MAXIMUM LENGTH



PLAN VIEW

MULTILANE CONCRETE BASE PATCH GREATER THAN 15' IN LENGTH

BASE PATCHING CONCRETE

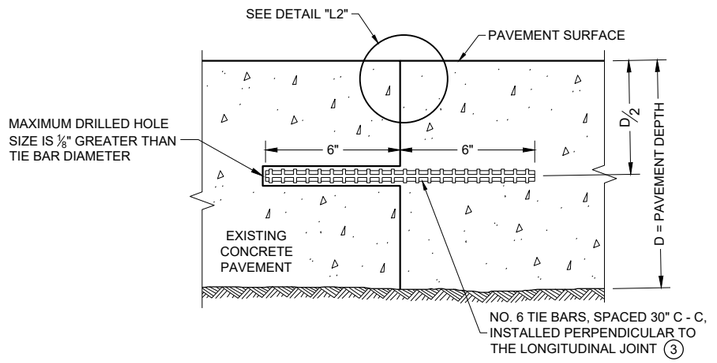
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTAT 407

SDD 13C14 - 07b

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SDD 13C14 - 07b

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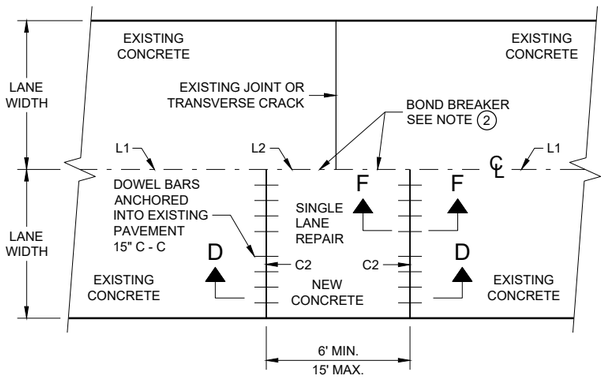


SECTION G - G

TIE BARS ANCHORED INTO EXISTING PAVEMENT

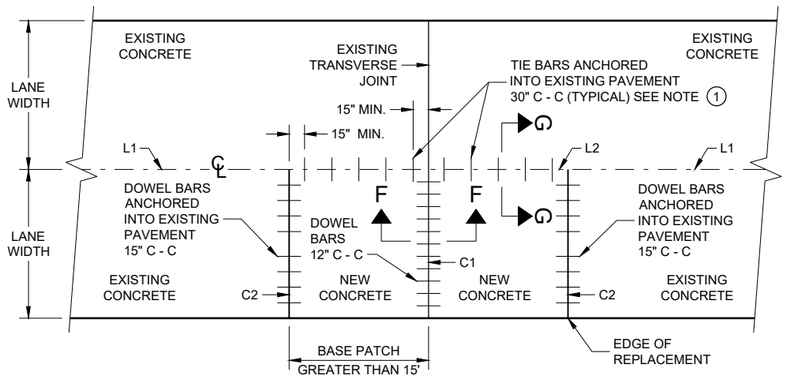
GENERAL NOTES

1. WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, THE CONTRACTOR MAY INSTALL DRILLED TIE BARS ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES IN A HOLE OF SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.
2. USE AN ENGINEER APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SINGLE LANE REPAIRS UP TO 15 FEET IN LENGTH.
3. ANCHOR TIE BARS INTO DRILLED HOES WITH AN EPOXY.



PLAN VIEW

SINGLE LANE CONCRETE BASE PATCH
15' MAXIMUM LENGTH



PLAN VIEW

SINGLE LANE CONCRETE BASE PATCH
GREATER THAN 15' LENGTH

BASE PATCHING CONCRETE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE

/S/ Peter Kemp, P.E.
PAVEMENT SUPERVISO

FHWA

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SDD 13C14 - 07c

GENERAL NOTES

PCCP = PORTLAND CEMENT CONCRETE PAVEMENT.

SHLDR = SHOULDER.

CONTINUE SAW CUT CONTRACTION JOINT ACROSS TURN LANE, EXIT TAPER AND PASSING LANE.

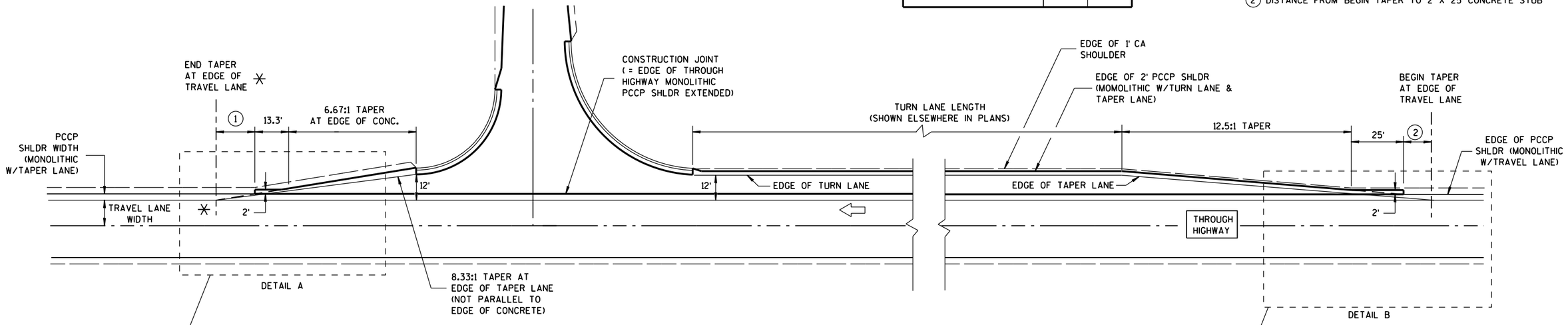
PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

THROUGH HIGHWAY LANE WIDTH AND PCCP SHOULDER WIDTH ARE SHOWN ELSEWHERE IN PLANS

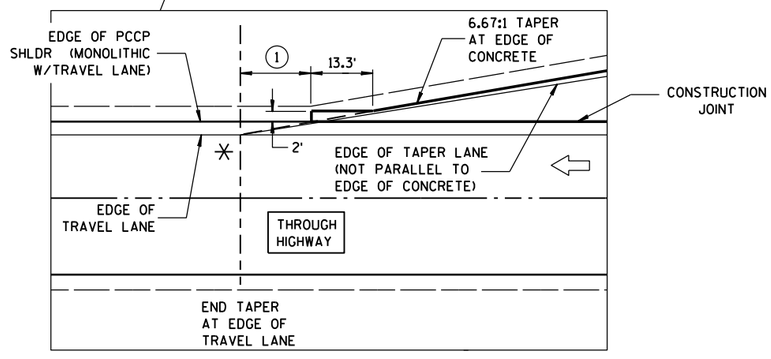
(1) DISTANCE FROM END TAPER TO 2' X 13.3' CONCRETE STUB

(2) DISTANCE FROM BEGIN TAPER TO 2' X 25' CONCRETE STUB

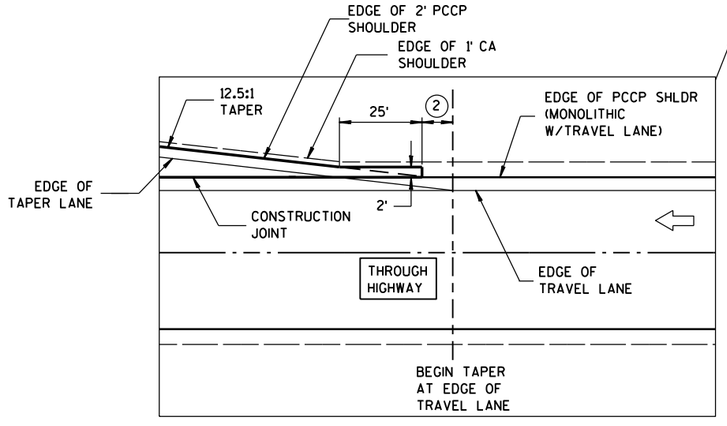
THROUGH HIGHWAY MONOLITHIC PCCP SHOULDER WIDTH (FEET)	DISTANCE (FEET)	
	(1)	(2)
2	13.3	0.0
3	20.0	12.5
TAPER RATE : 1	6.67	12.5



NOTE: EDGE OF CONCRETE TAPER (EXTENDED) & EDGE OF TAPER LANE CONVERGE



DETAIL A



DETAIL B

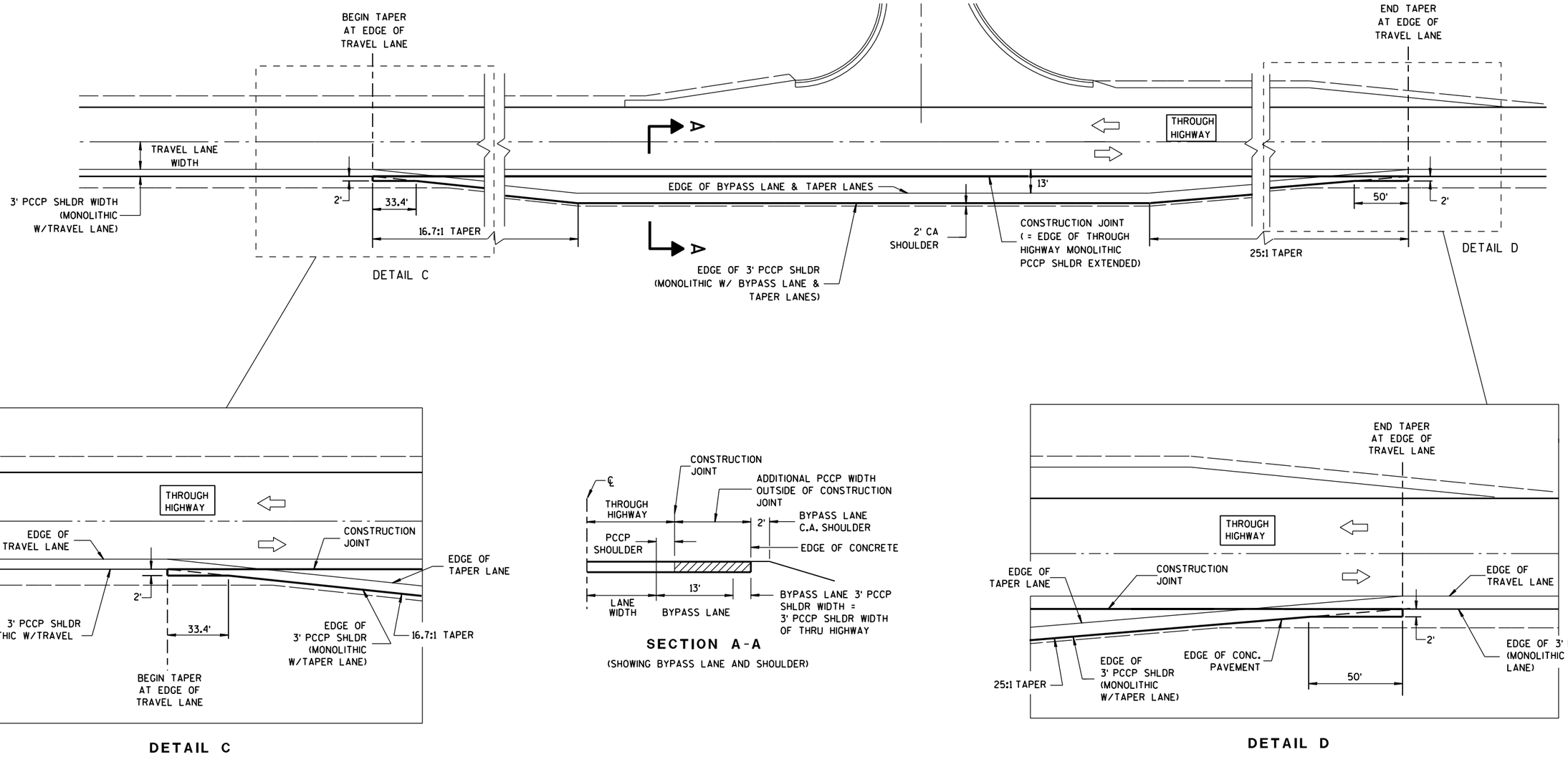
RIGHT TURN LANE AND EXIT TAPER

DETAIL FOR RIGHT TURN LANE/ TEE INTERSECTION BYPASS LANE ON A CONCRETE ROADWAY

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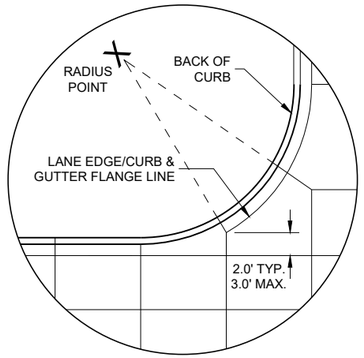


TWO LANE UNDIVIDED HIGHWAY TEE INTERSECTION BYPASS LANE

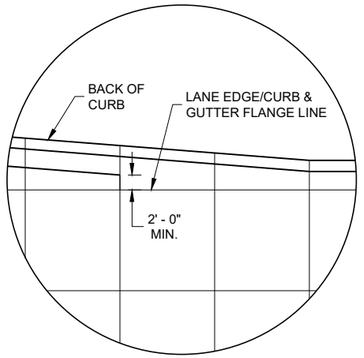
DETAIL FOR RIGHT TURN LANE/ TEE INTERSECTION BYPASS LANE ON A CONCRETE ROADWAY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
12/18/12 DATE	/S/ Jerry H. Zogg ROADWAY STANDARDS ENGINEER
FHWA	

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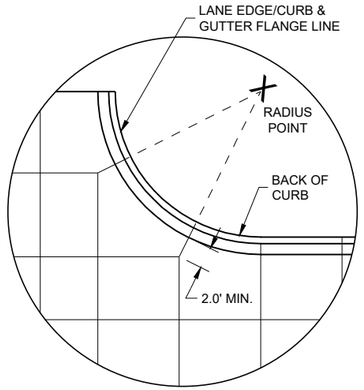
S.D.D. 13 C 16-2b



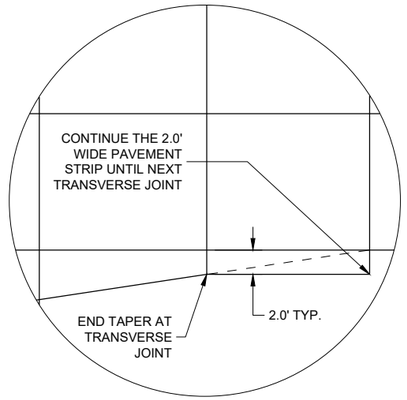
DETAIL "A"



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.

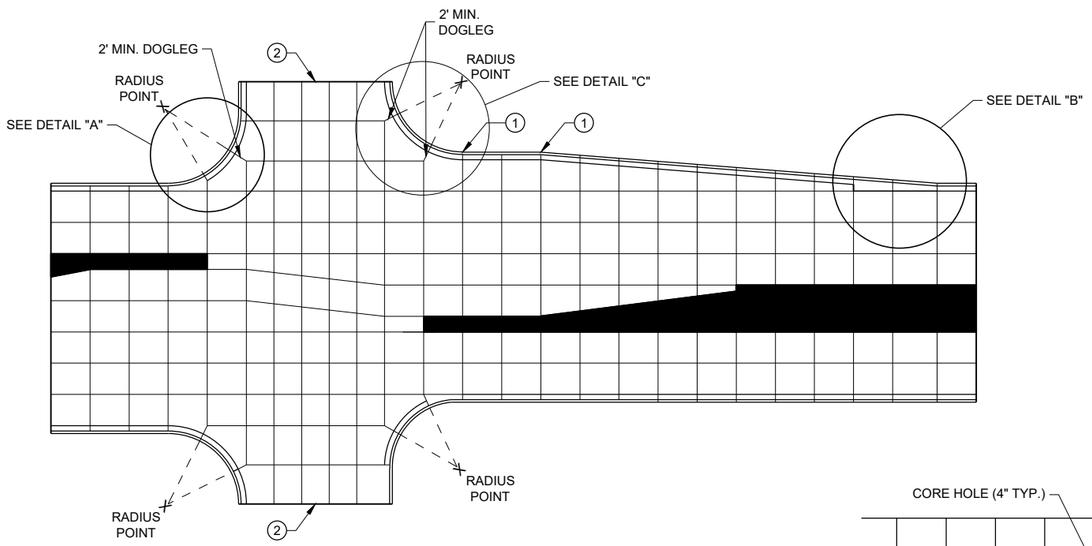
AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

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.

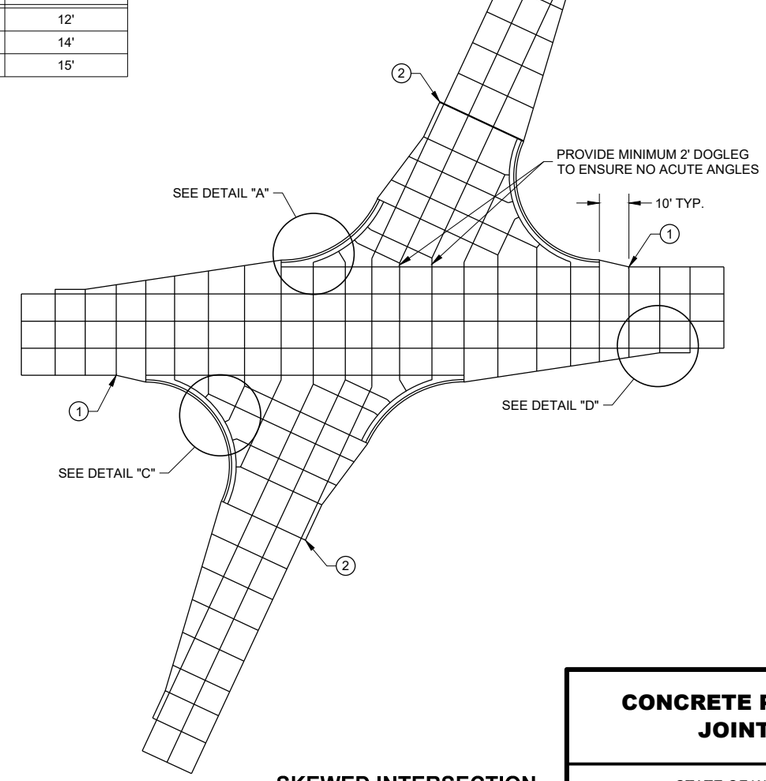
(3) THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



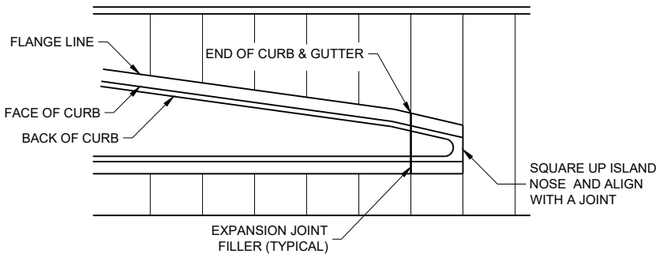
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

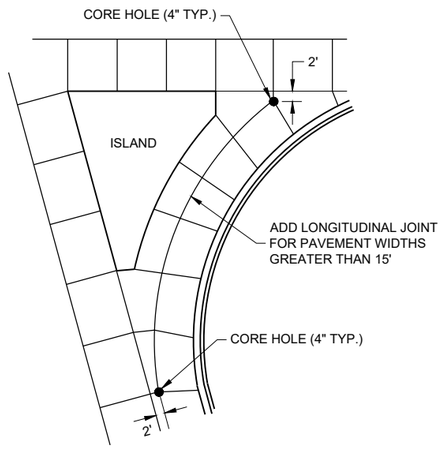
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C18 - 08a

6

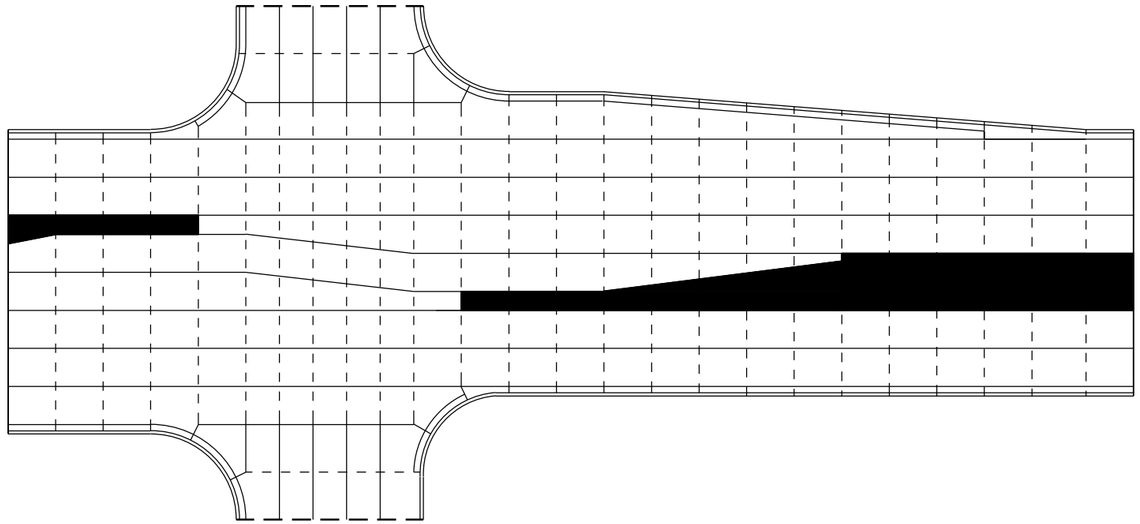
SDD 13C18 - 08a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

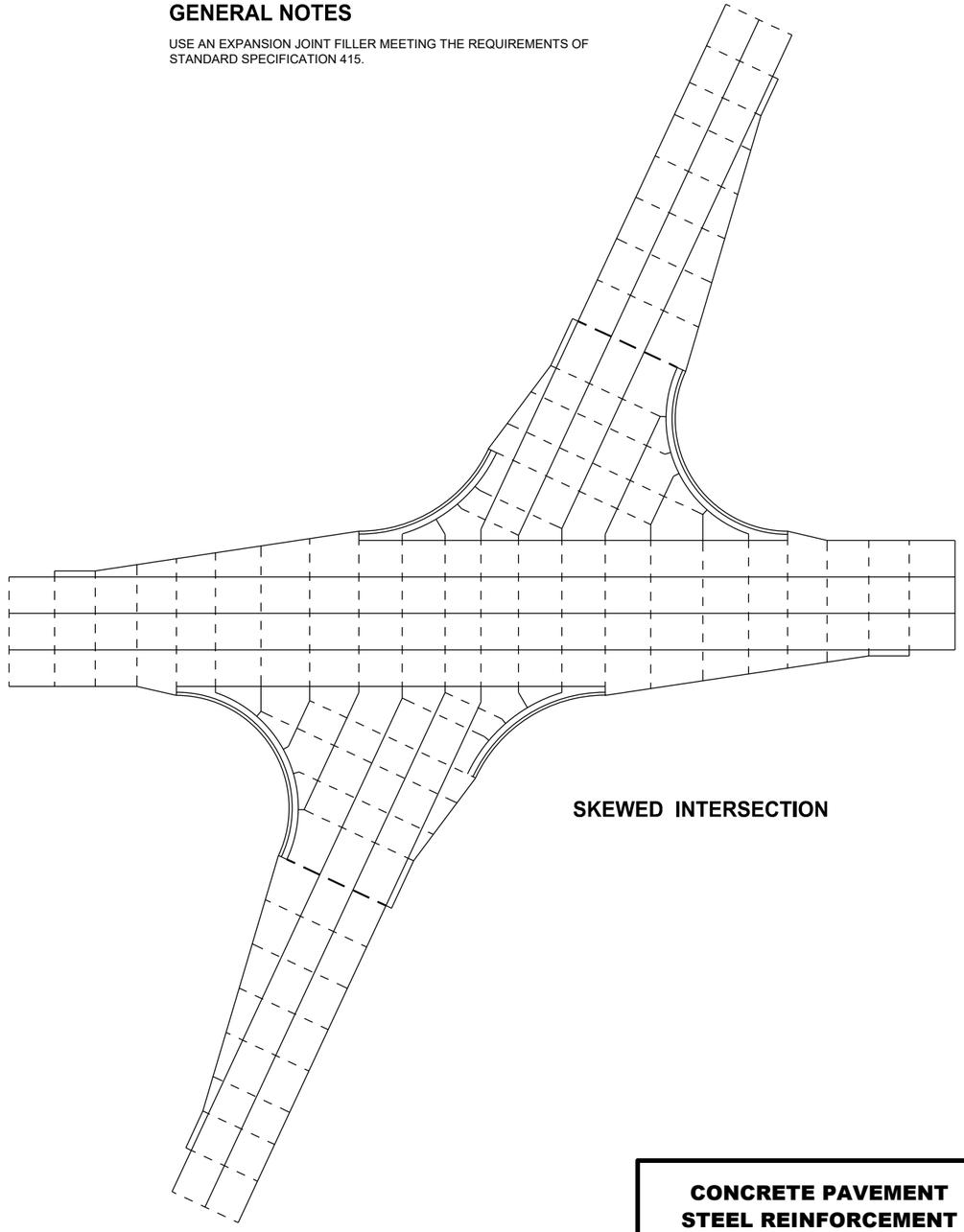
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

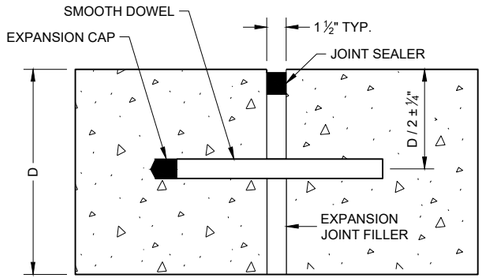
SDD 13C18 - 08b

CONCRETE PAVEMENT STEEL REINFORCEMENT

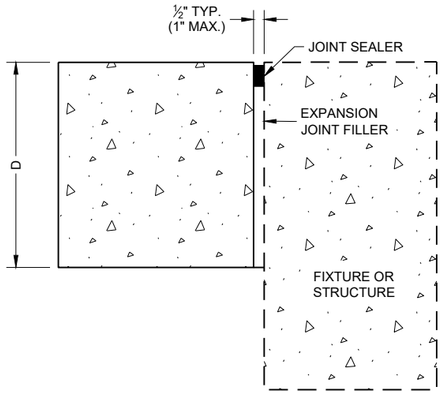
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C18 - 08b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

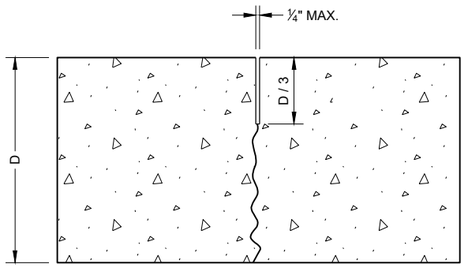
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

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

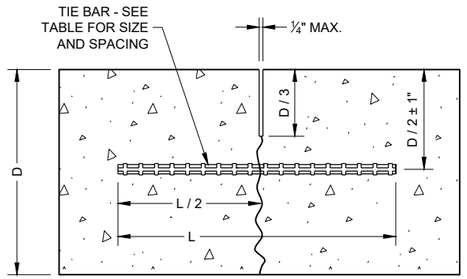
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

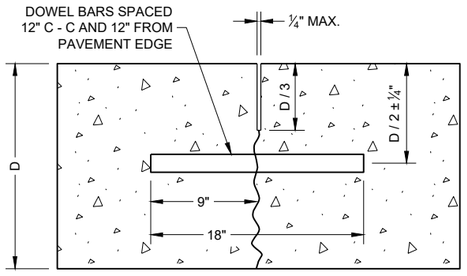
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM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



UNDOWELED TRANSVERSE

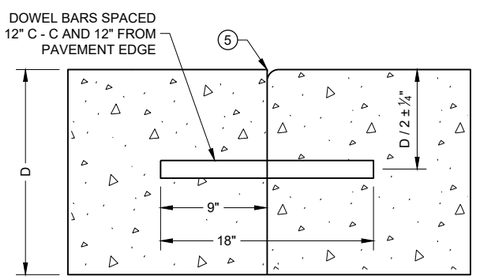


TIED LONGITUDINAL

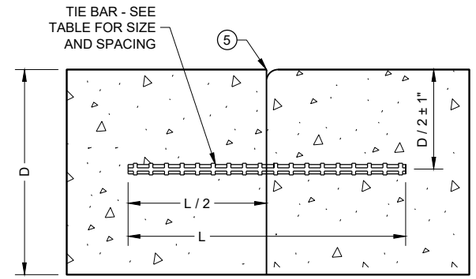


DOWELED TRANSVERSE

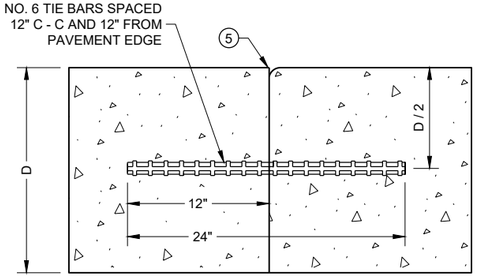
CONTRACTION JOINTS (2)



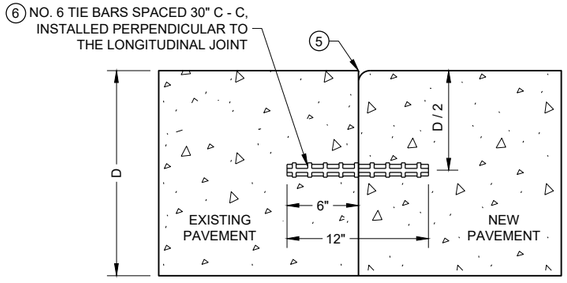
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



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



TIED LONGITUDINAL TO EXISTING

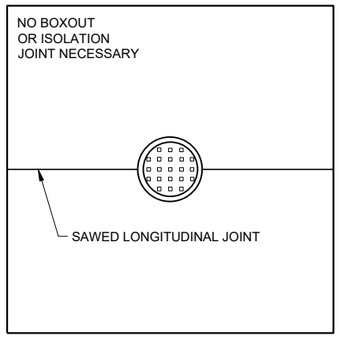
CONSTRUCTION JOINTS (4)

CONCRETE PAVEMENT JOINT TYPES

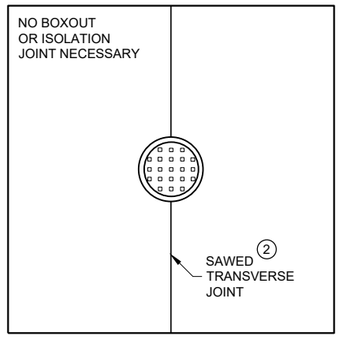
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

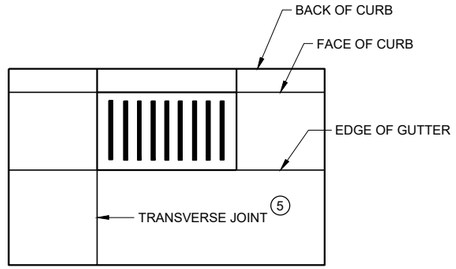
SDD 13C18 - 08c



MANHOLE WITH LONGITUDINAL JOINT



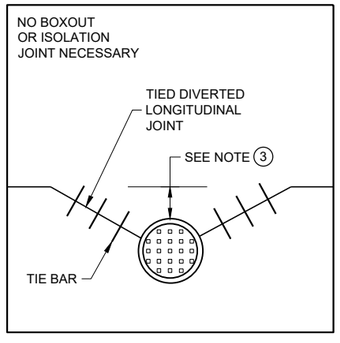
MANHOLE WITH TRANSVERSE JOINT



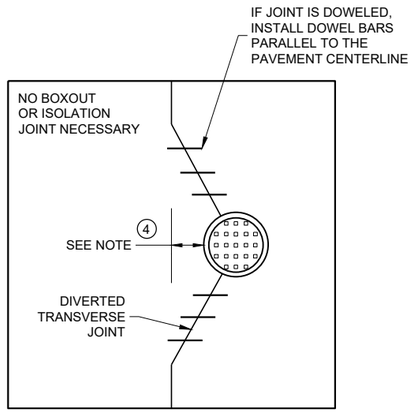
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

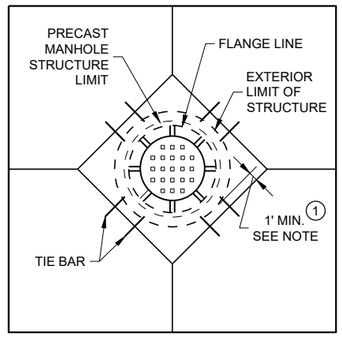
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF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



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVISOR

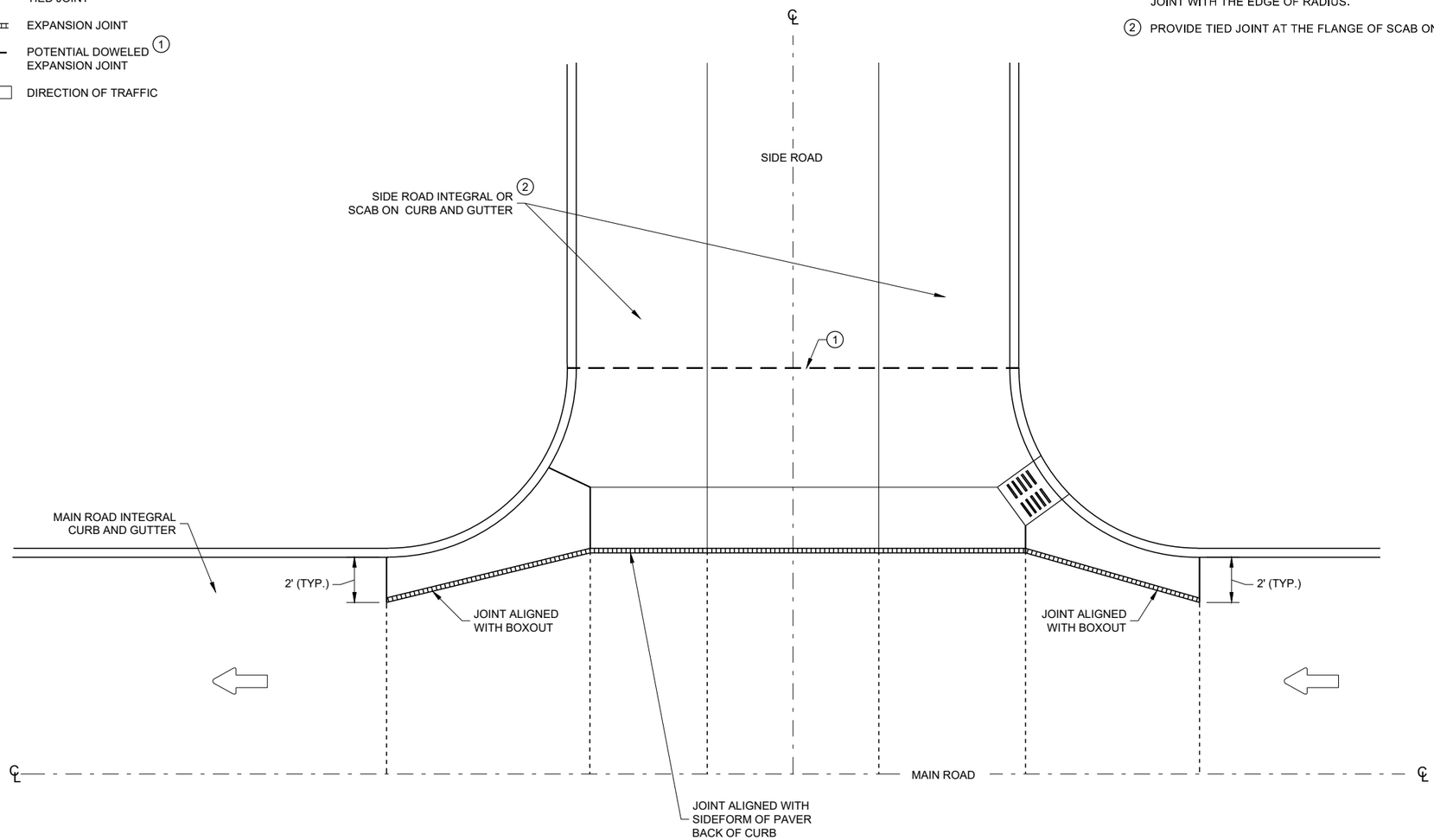
FHWA

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SDD13C18 - 08d

LEGEND

- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT (1)
- DIRECTION OF TRAFFIC



GENERAL NOTES

(1) CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH THE EDGE OF RADIUS.

(2) PROVIDE TIED JOINT AT THE FLANGE OF SCAB ON CURB IF SCAB ON CURB AND GUTTER IS USE.

INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

FHWA

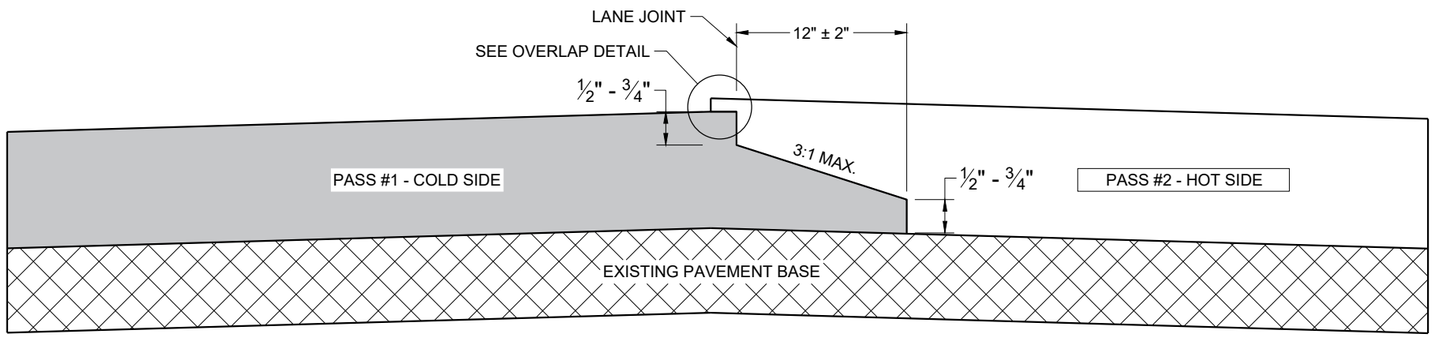
415

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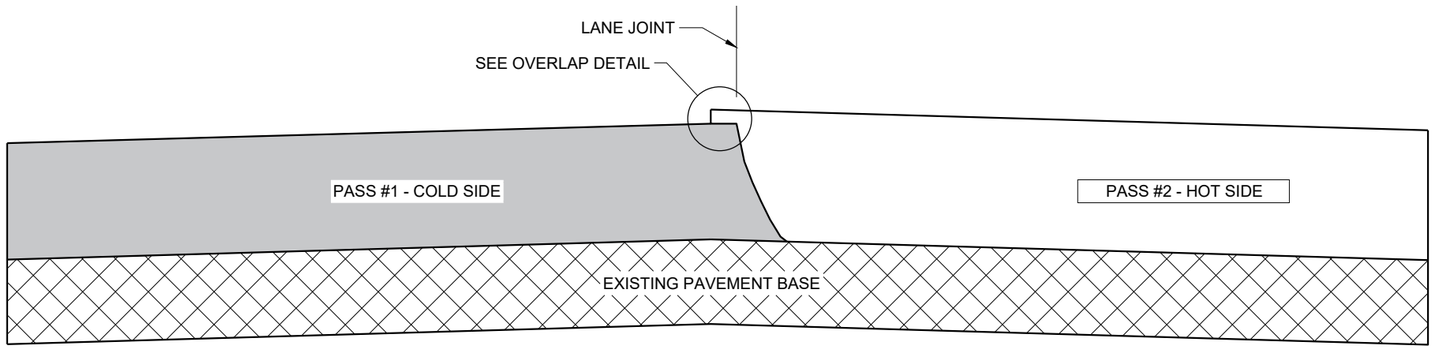
SDD 13C18 - 08f

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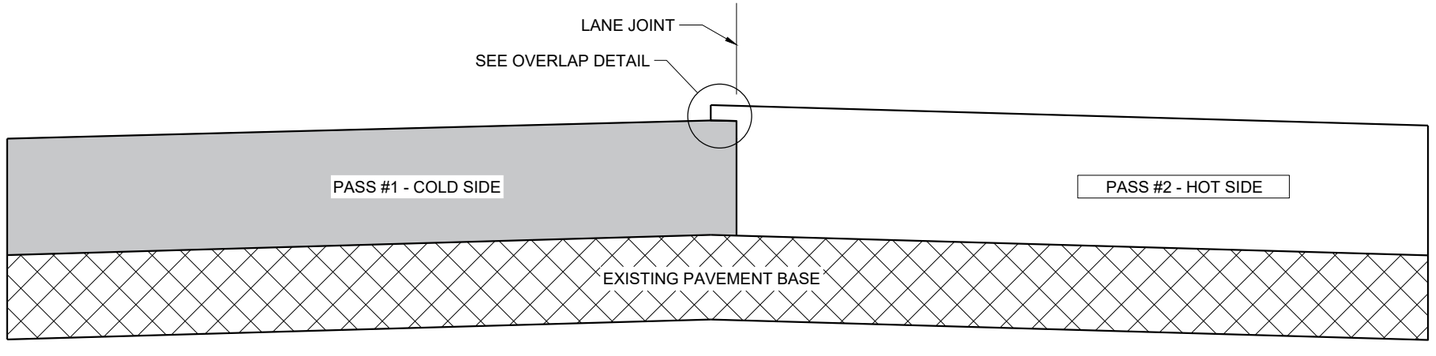
SDD 13C18 - 08f



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

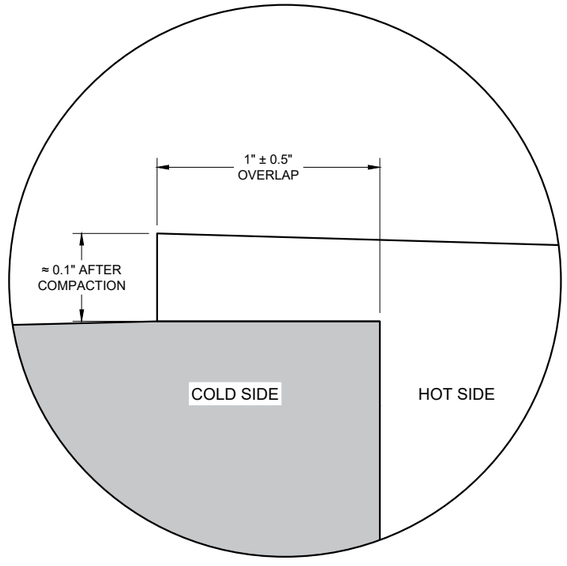
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

6

6

SDD 13C19 - 03

SDD 13C19 - 03

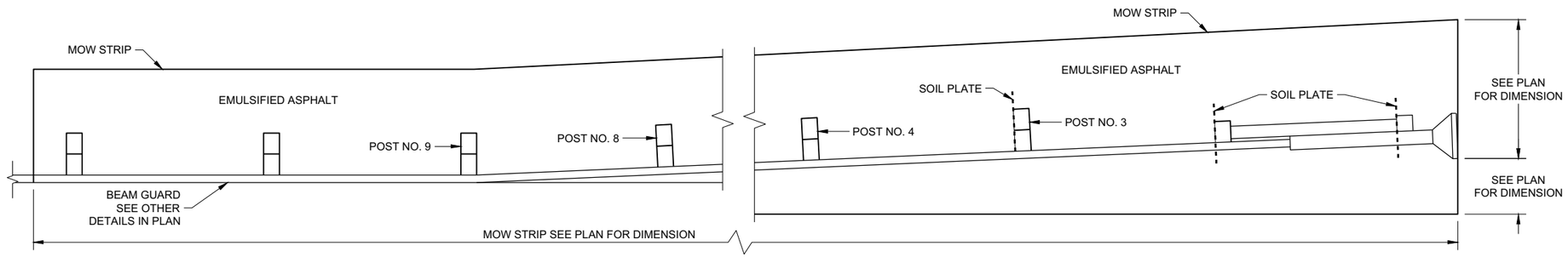
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA



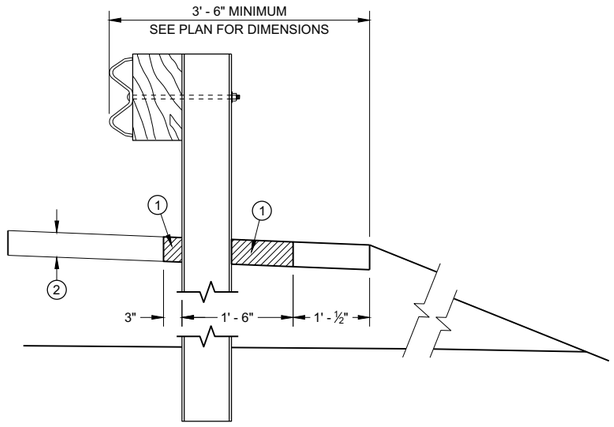
PLAN VIEW

MOW STRIP LAYOUT FOR ENERGY ABSORBING TERMINAL

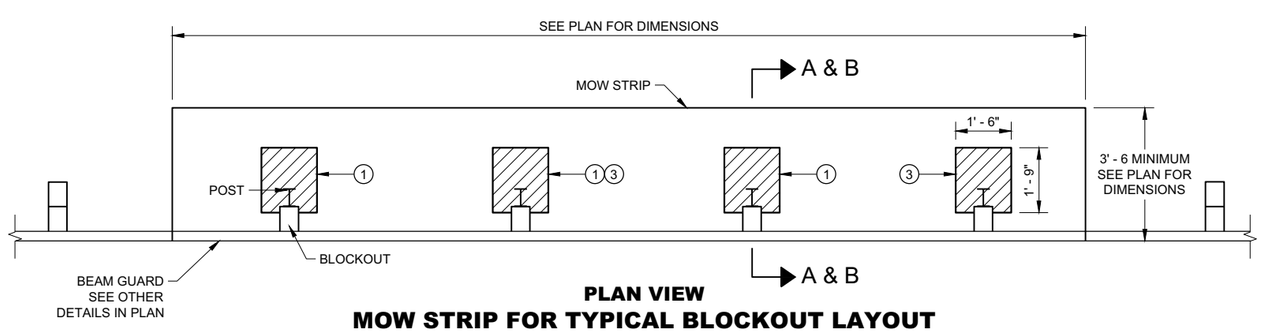
GENERAL NOTES

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)

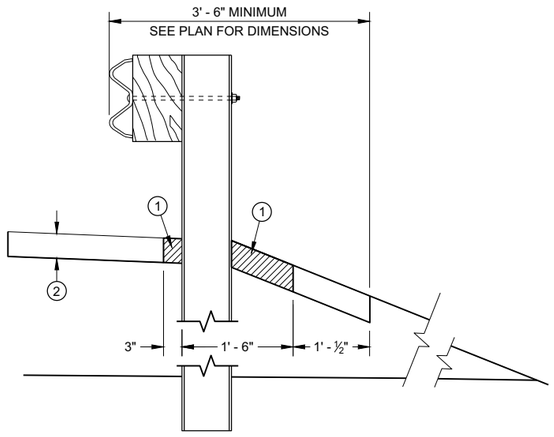


SECTION A - A

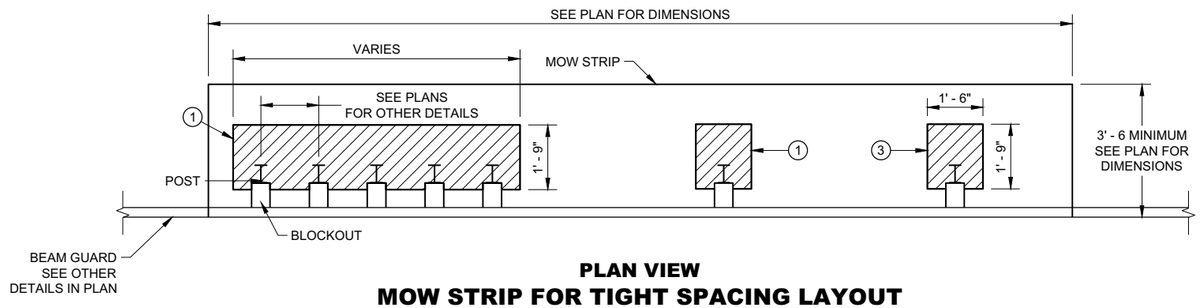


PLAN VIEW

MOW STRIP FOR TYPICAL BLOCKOUT LAYOUT

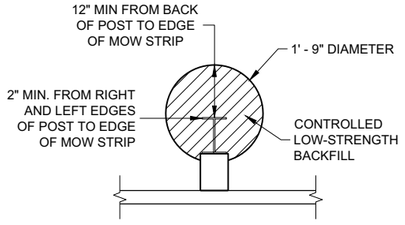


SECTION B - B

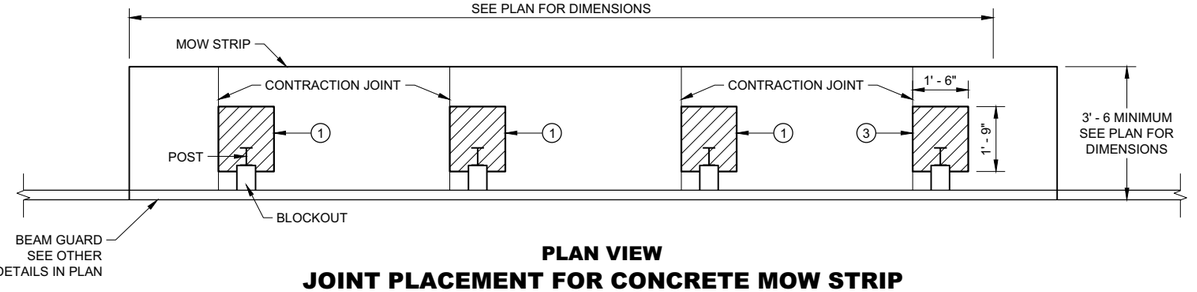


PLAN VIEW

MOW STRIP FOR TIGHT SPACING LAYOUT



ALTERNATIVE HMA MOW STRIP DESIGN



PLAN VIEW

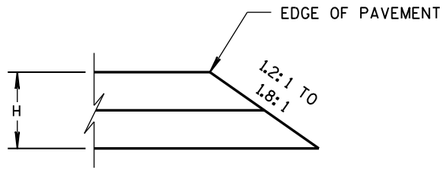
JOINT PLACEMENT FOR CONCRETE MOW STRIP

GUARDRAIL MOW STRIP

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

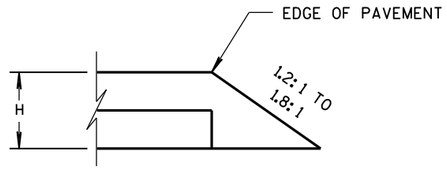
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SDD 14B28 - 04a



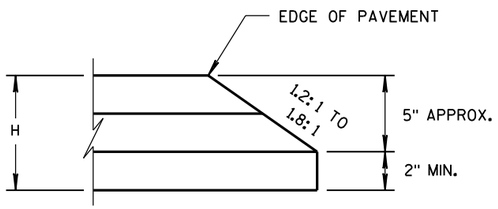
CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS



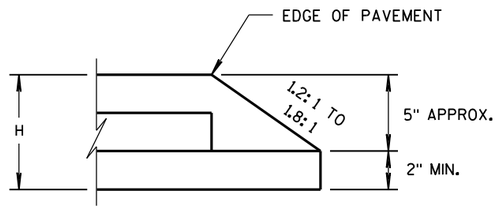
CONSTRUCTED WITH FINAL LAYER

FOR H 5" OR LESS



CONSTRUCTED WITH FINAL TWO LAYERS

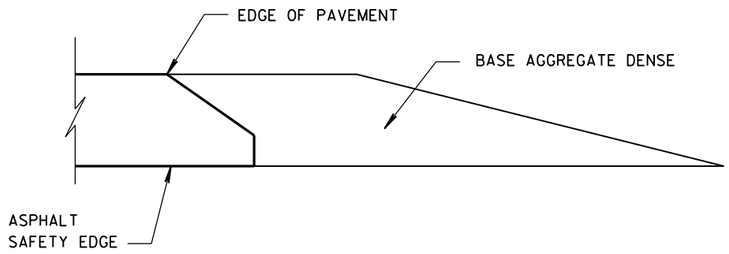
FOR H GREATER THAN 5"



CONSTRUCTED WITH FINAL LAYER

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

6

6

S.D.D. 14 B 29-1

S.D.D. 14 B 29-1

SAFETY EDGE SM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/2012
DATE

/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

(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.

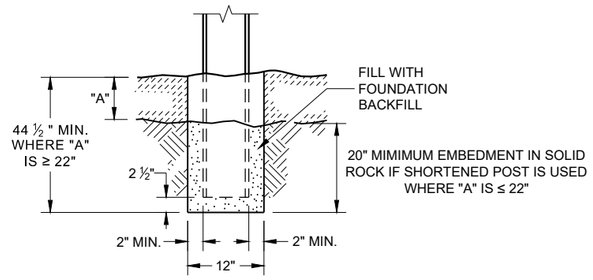
(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL 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).

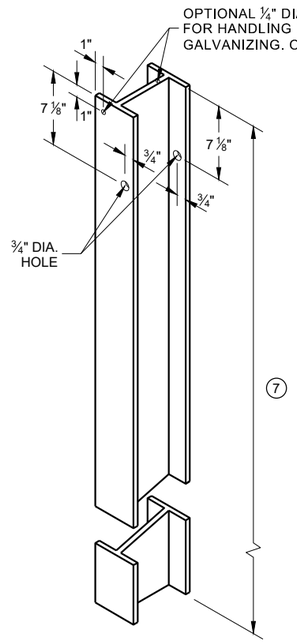
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ±1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

(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.

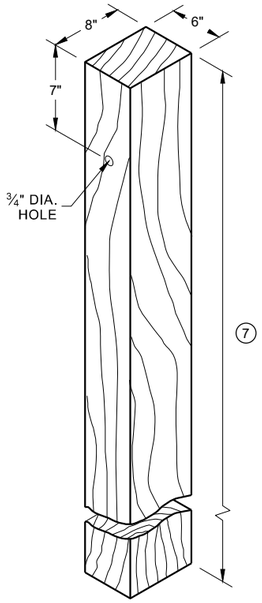
(7) TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



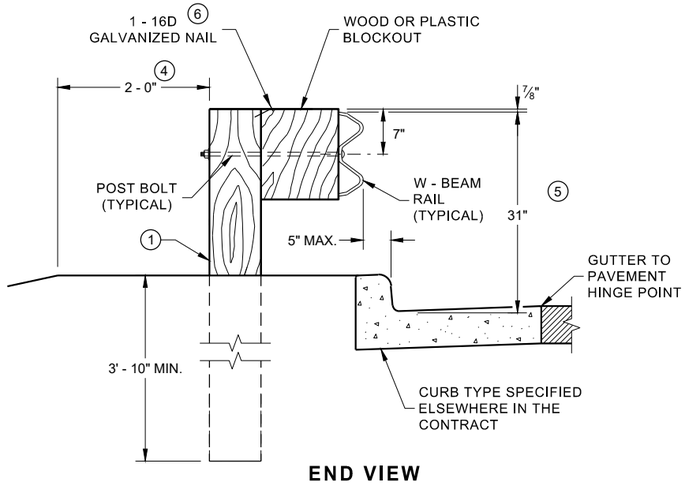
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



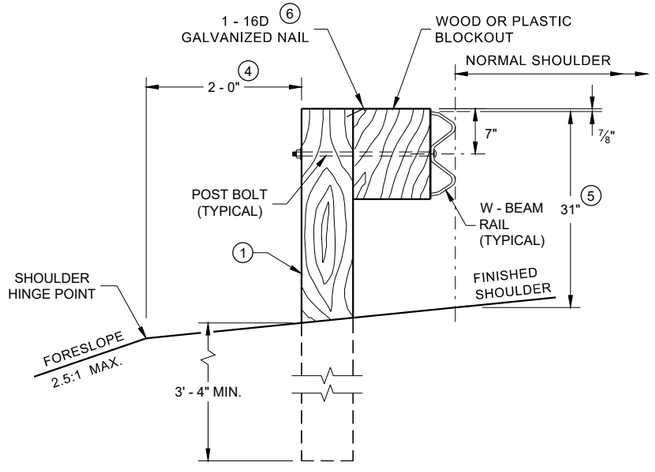
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



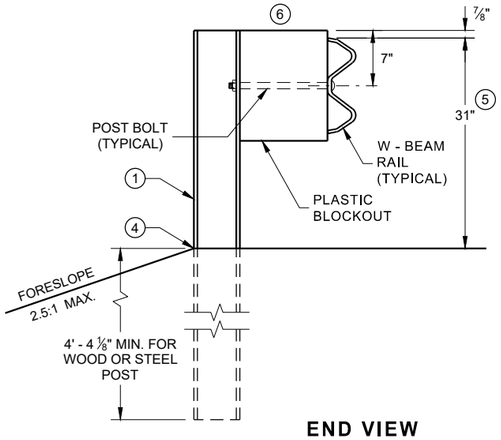
WOOD POST (6" X 8") NOMINAL (1)



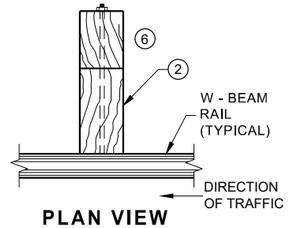
END VIEW
LOCATED ALONG A CURBED ROADWAY



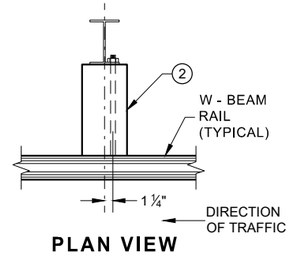
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



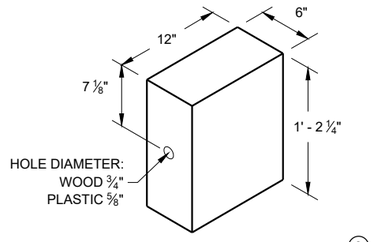
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



PLAN VIEW
STEEL POST, PLASTIC BLOCKOUT & BEAM



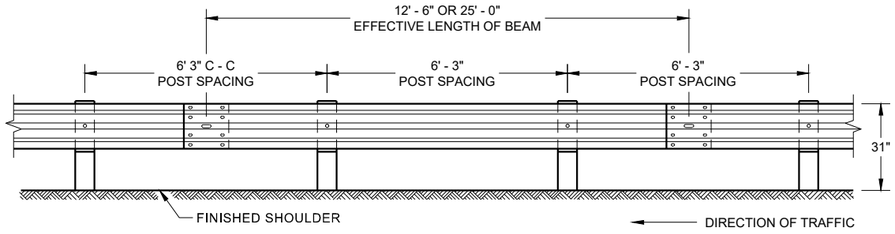
WOOD OR PLASTIC BLOCKOUT (2)

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

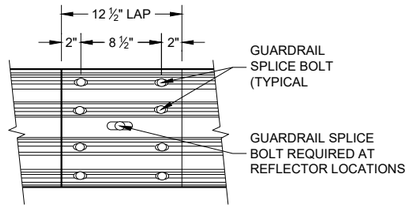
STATE OF WISCONSIN
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FRONT VIEW
POST SPACING STANDARD INSTALLATION



FRONT VIEW
MID-SPAN BEAM SPLICE

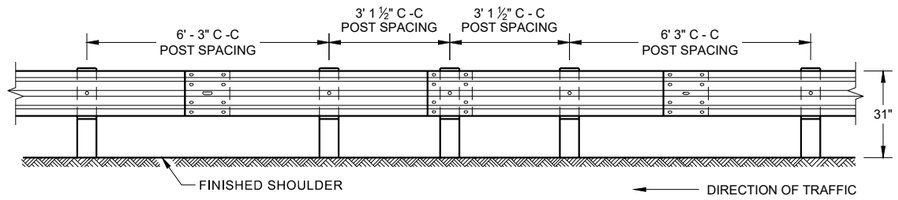
GENERAL NOTES

(8) DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

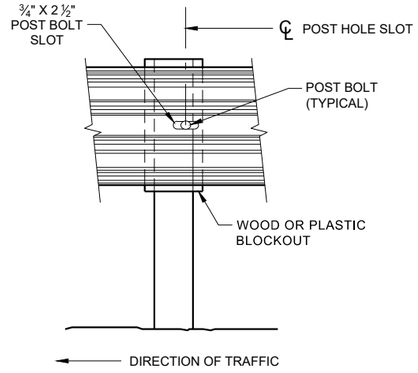
(9) 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

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.

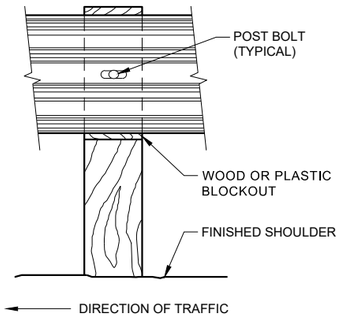
GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.



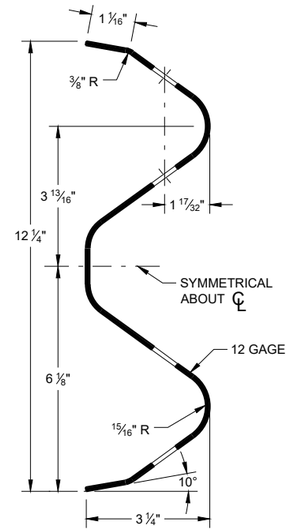
FRONT VIEW
HALF POST SPACING (HS) AND
HALF POST SPACING WITH LONGER POSTS (K)



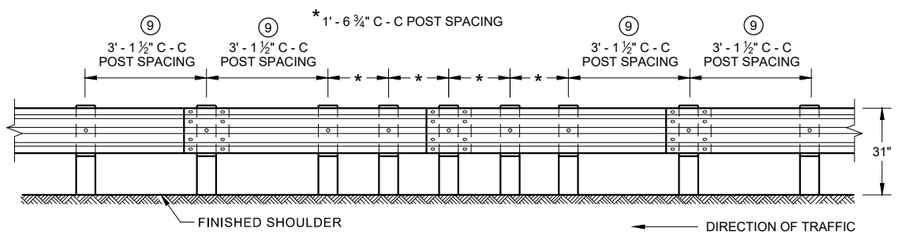
FRONT VIEW AT STEEL POST



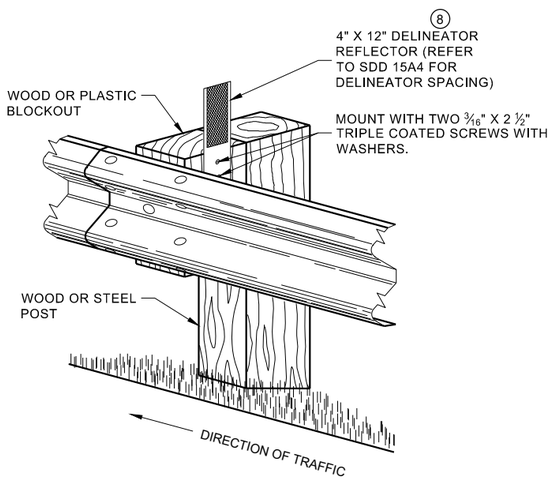
FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



FRONT VIEW
QUARTER POST SPACING (QS)



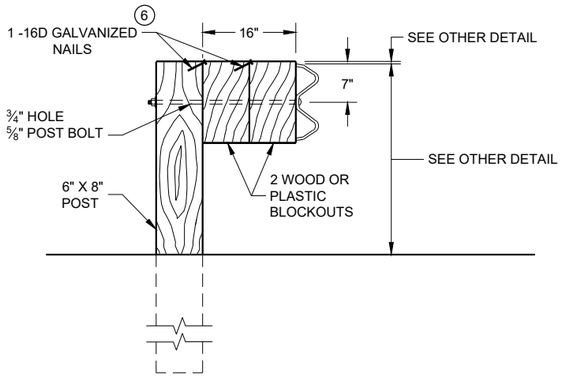
ONE SIDED REFLECTOR DETAIL
AND TYPICAL INSTALLATION

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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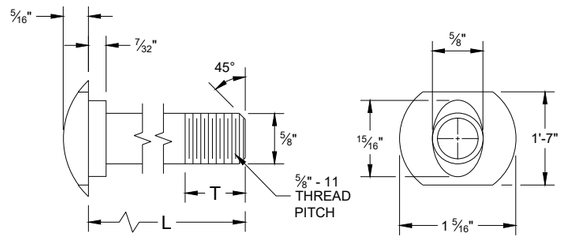


DETAIL FOR 16" BLOCKOUT DEPTH

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.

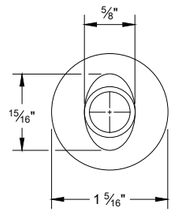
NOTE:

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.

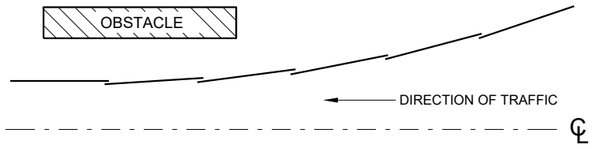


POST BOLT TABLE

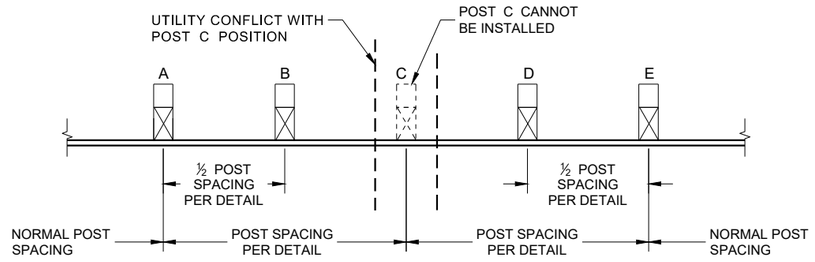
L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1⁄16"
18"	4"
21"	4 1⁄16"
25"	4"



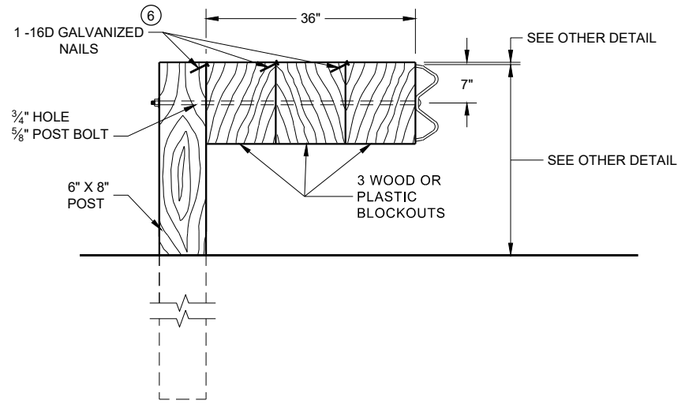
ALTERNATE BOLT HEAD



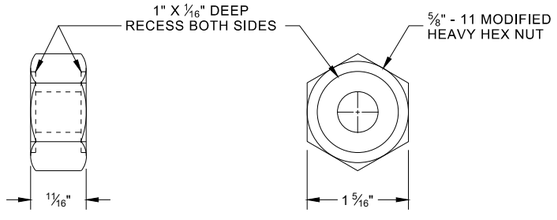
PLAN VIEW
BEAM LAPPING DETAIL



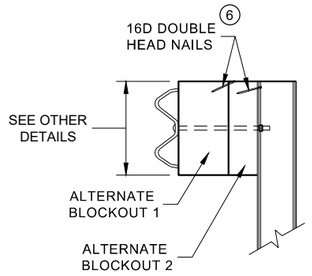
POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



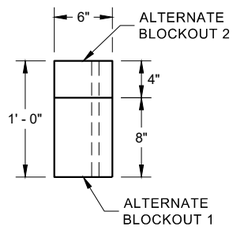
DETAIL FOR 36" BLOCKOUT DEPTH



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.

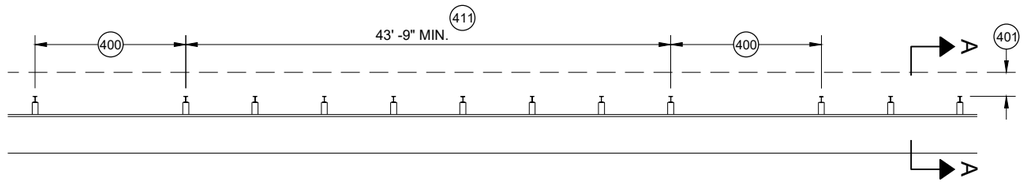
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

(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.

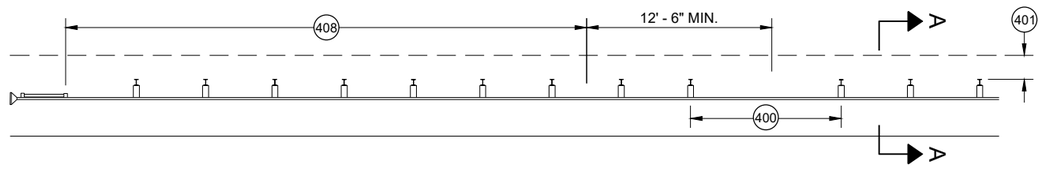
MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

6

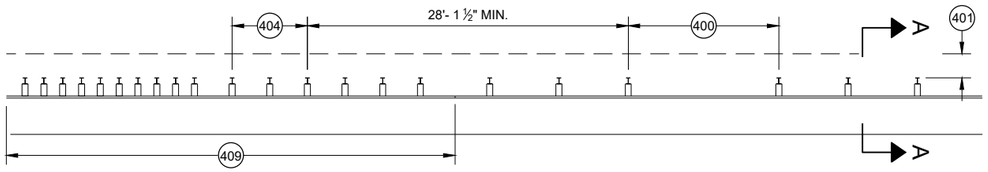
SDD 14B42 - 07c



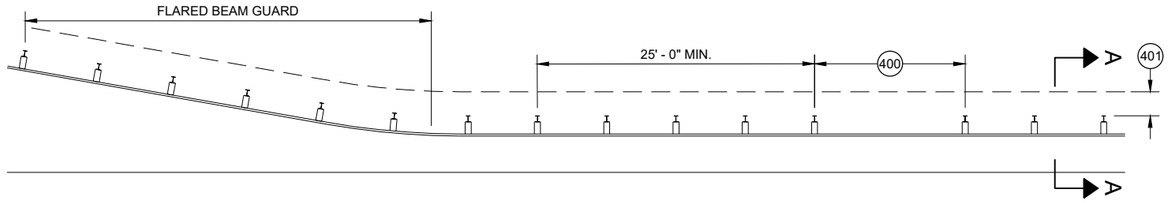
MISSING POST IN MGS GUARDRAIL



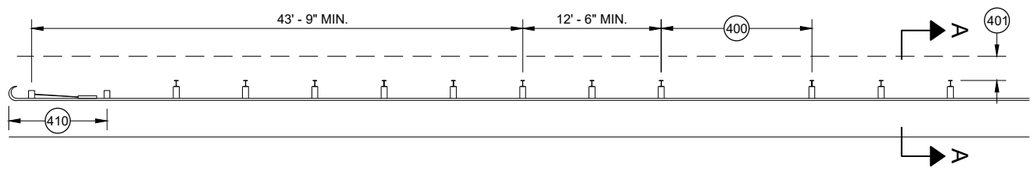
MISSING POST IN MGS GUARDRAIL NEAR EAT



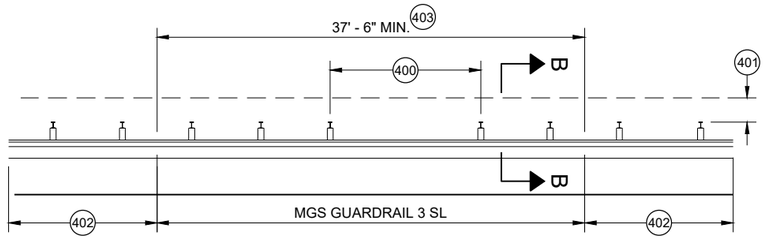
MISSING POST IN MGS GUARDRAIL NEAR AN APPROACH TRANSITION



MISSING POST IN MGS GUARDRAIL NEAR FLARED BEAM GUARD

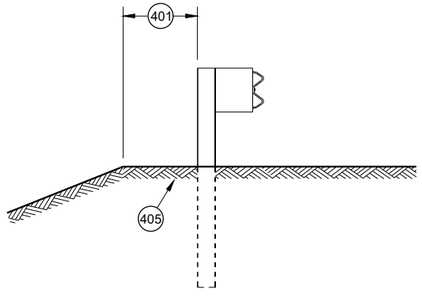


MISSING POST IN MGS GUARDRAIL NEAR A TYPE 2 END TERMINAL

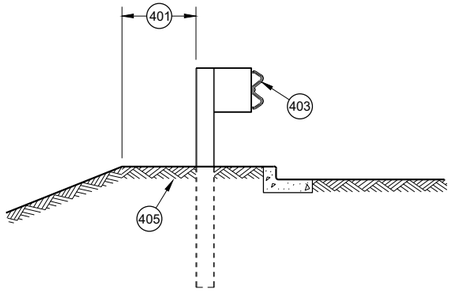


MISSING POST IN SHORT SPAN MGS GUARDRAIL NEAR CURB (SL) 407

(400) MAX SPAN 12' - 6"
(401) 2' MIN.
(402) MGS GUARDRAIL 3
(403) NESTING BEAM GUARD
(404) ASYMMETRIC TRANSITION
(405) SOIL WELL DRAINED AND COMPACTED
(406) SEE OTHER DRAWINGS IN THIS SDD
(407) SEE OTHER DRAWINGS FOR MIN. SPACING BETWEEN SPANS
(408) SEE SDD 14B44
(409) SEE SDD 14B45
(410) SEE SDD 14B47
(411) MINIMUM DISTANCE BETWEEN MISSING POST SPANS.



SECTION A - A 406



SECTION B - B 406

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

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SDD 14B42 - 07d

GENERAL NOTES

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL) AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED

(C) DIFFERENT MANUFACTURERS REQUIRE DIFFERENT PERFORATED W - BEAM RAIL END PANELS. SEE MANUFACTURER'S INFORMATION.

(D) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF - TAPPING SCREWS. ONE SCREW PER CORNER.

(E) HARDWARE MAY VARY BETWEEN MANUFACTURER. SEE MANUFACTURER'S DRAWING FOR INFORMATION.

DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

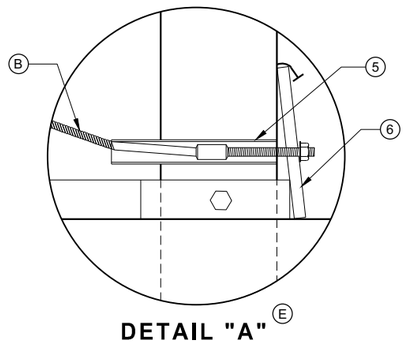
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

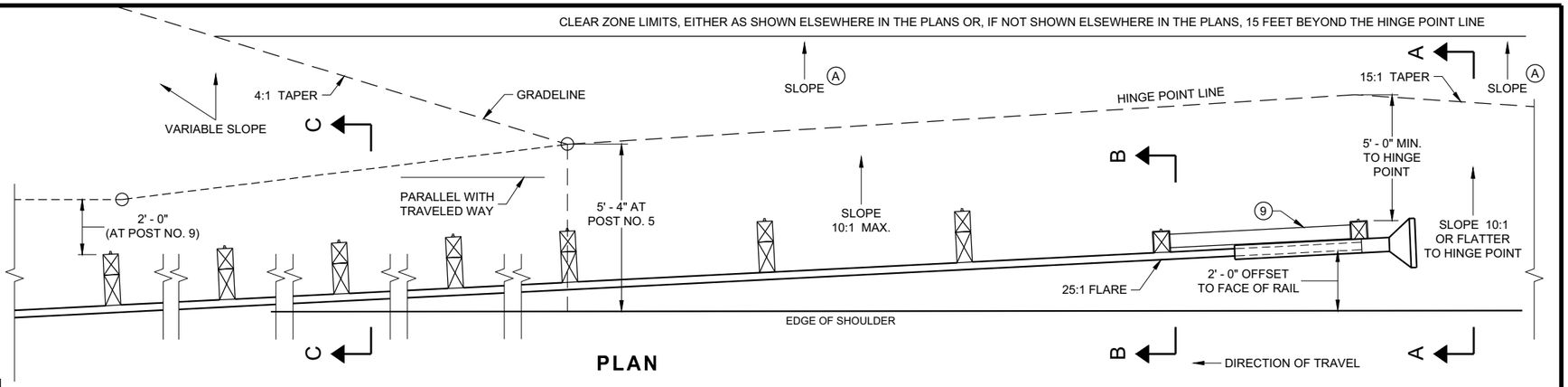
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

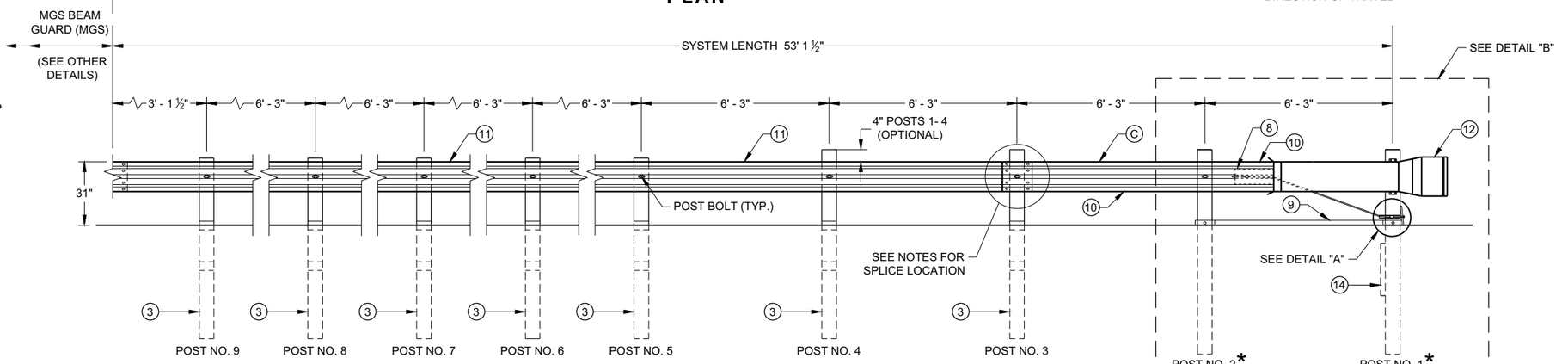
SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

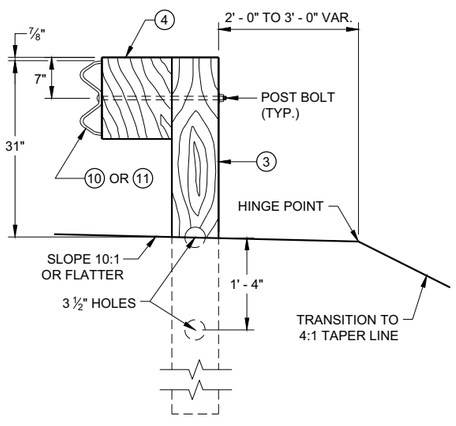
THE CENTER OF THE UPPER 3 ½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.



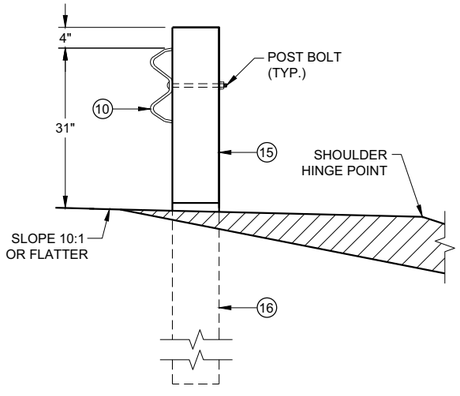
DETAIL "A" (E)



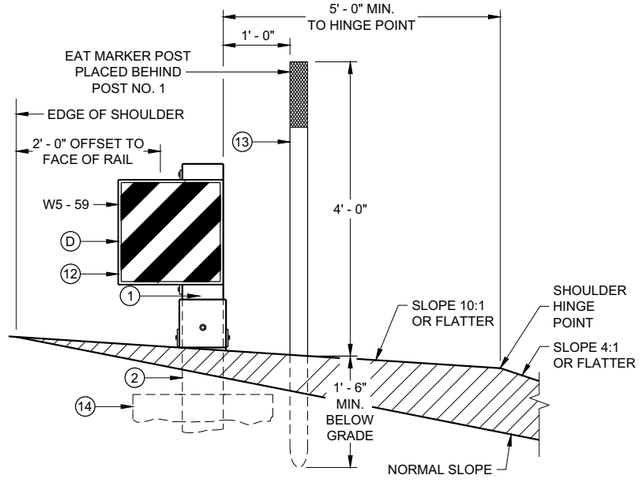




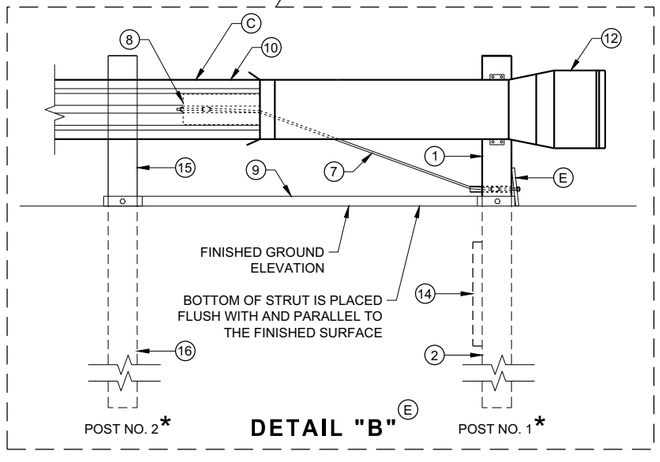
SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



SECTION A - A
TYPICAL AT POST NO. 1*



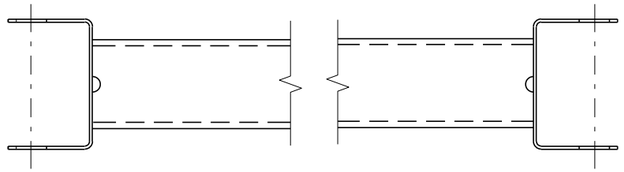
DETAIL "B" (E)

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B44 - 04a

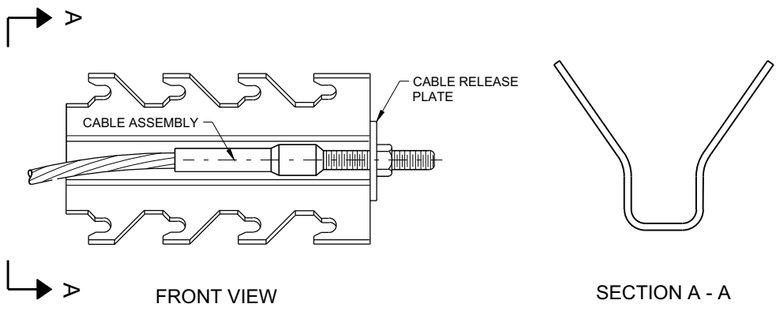
SDD 14B44 - 04a



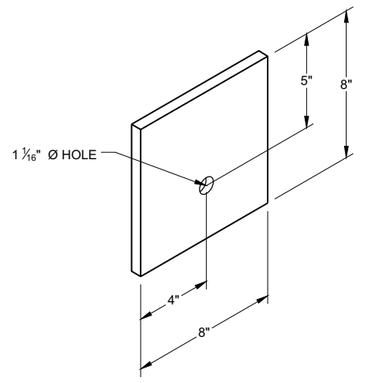
GENERIC GROUND STRUT ⑨ Ⓔ

BILL OF MATERIALS

PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUGACTURER'S DETAILS FOR MORE INFORMATION.
①	UPPER POST NO. 1 6" X 6" TUBE
②	LOWER POST NO. 1
③	WOOD CRT
④	WOOD BLOCKOUT
⑤	PIPE SLEEVE
⑥	BEARING PLATE
⑦	BCT CABLE ASSEMBLY
⑧	ANCHOR CABLE BOX
⑨	GROUND STRUT
⑩	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
⑪	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
⑫	IMPACT HEAD
⑬	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)
⑭	SOIL PLATE
⑮	UPPER POST NO. 2
⑯	LOWER POST NO. 2



GENERIC ANCHOR CABLE BOX ⑨ Ⓔ



BEARING PLATE ⑥ Ⓔ

6

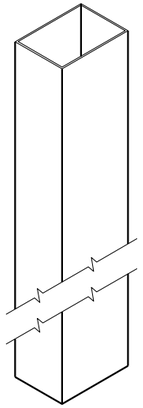
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SDD 14B44 - 04b

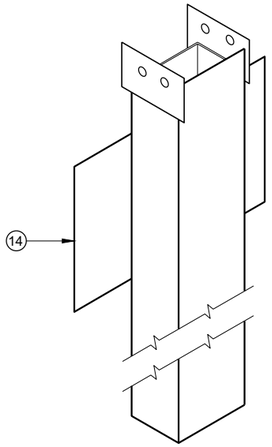
SDD 14B44 - 04b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

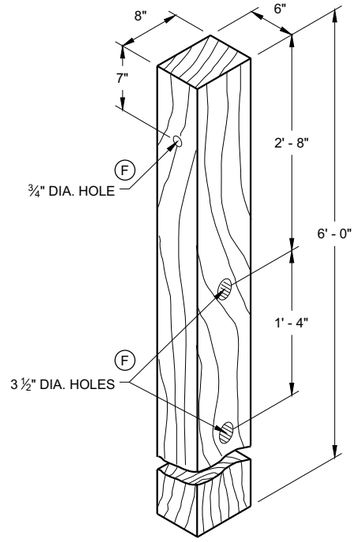
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



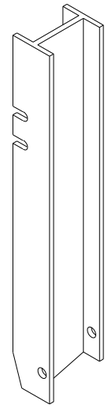
UPPER POST NO. 1 (1) (E)



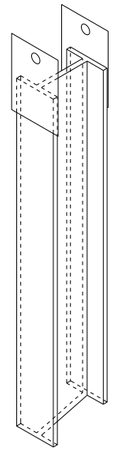
LOWER POST NO. 1 (2) (E)



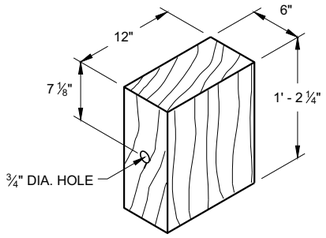
WOOD CRT POST (3) (E)
POSTS NUMBER 3-9



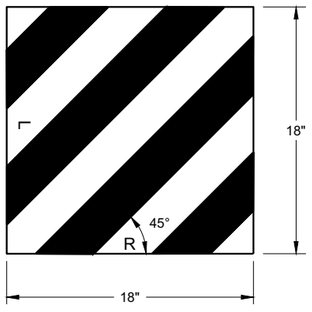
UPPER POST NO. 2 (15) (E)



LOWER POST NO. 2 (16) (E)

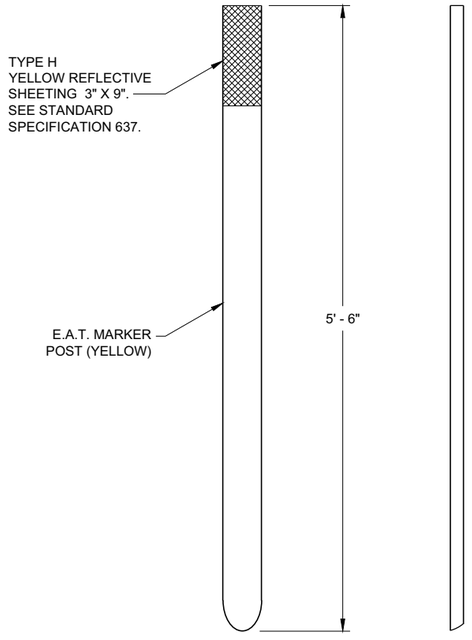


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



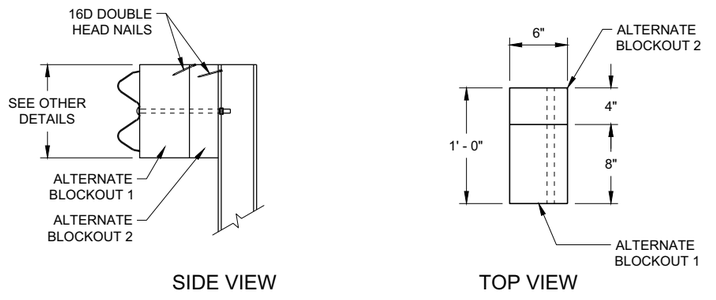
W5 - 59

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)

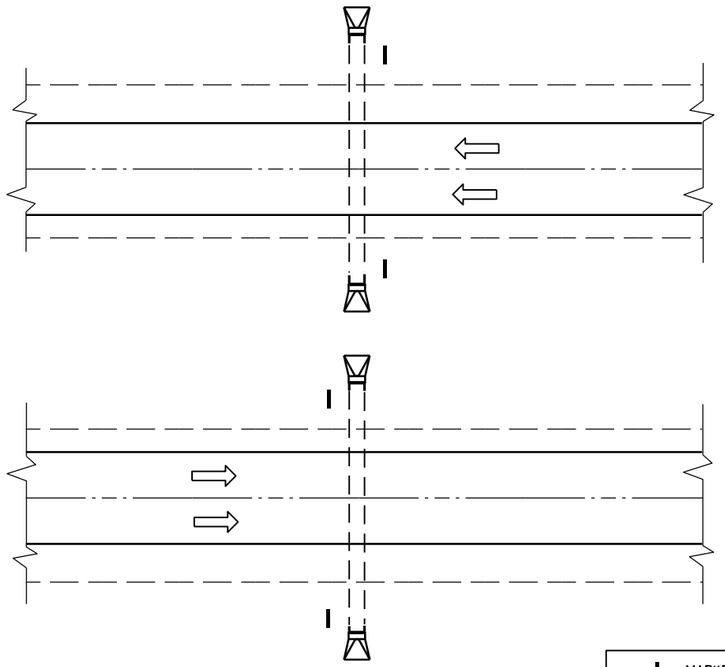
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

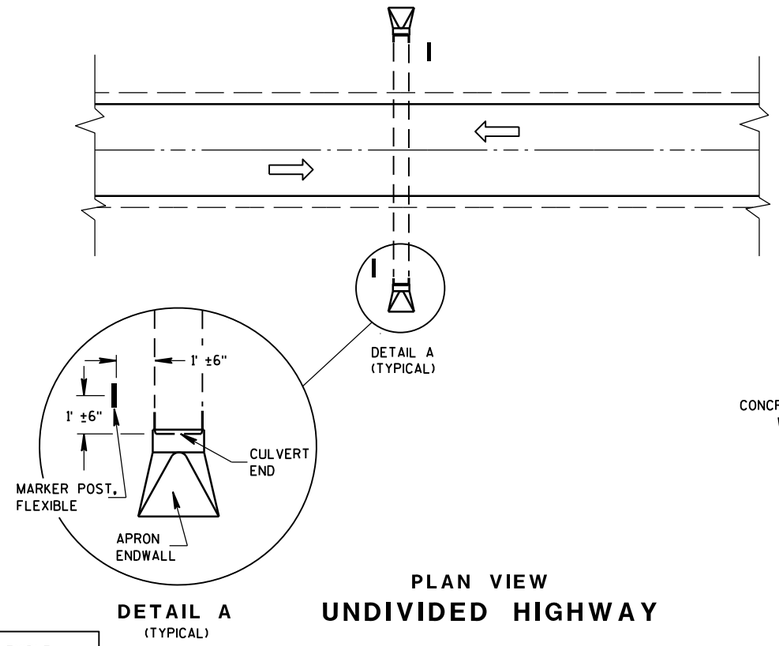
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SDD 14B44 - 04c



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

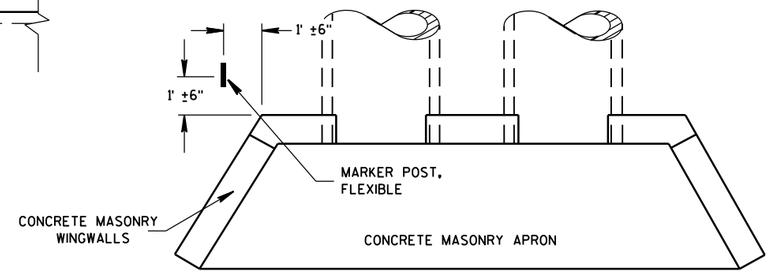
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

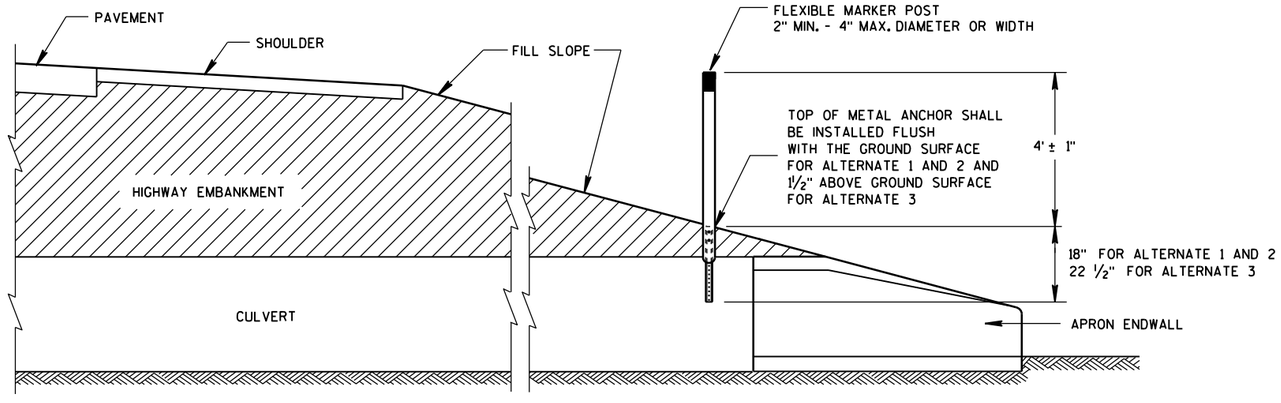
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



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

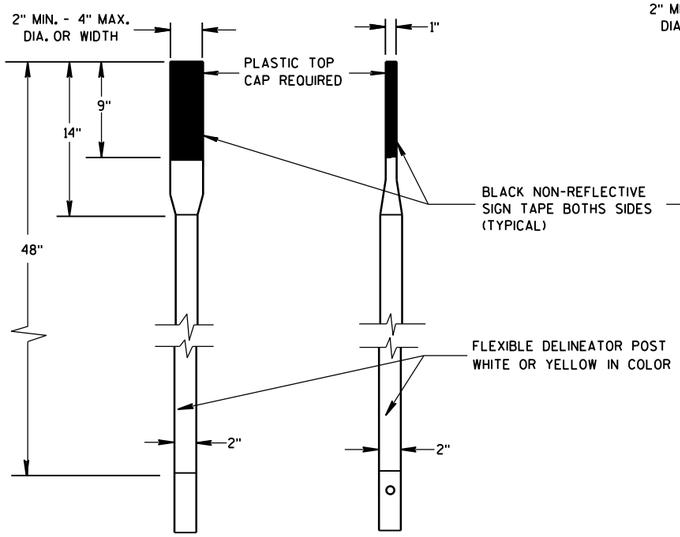
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

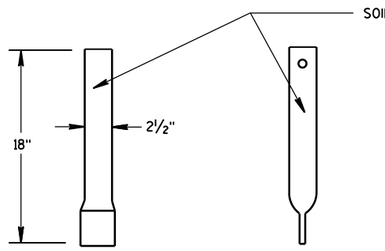
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S.D.D. 15 A 3-2a

6

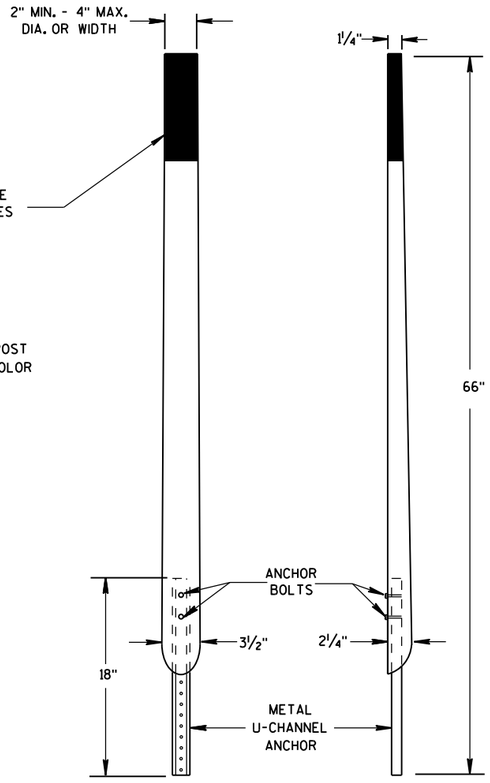
S.D.D. 15 A 3-2a





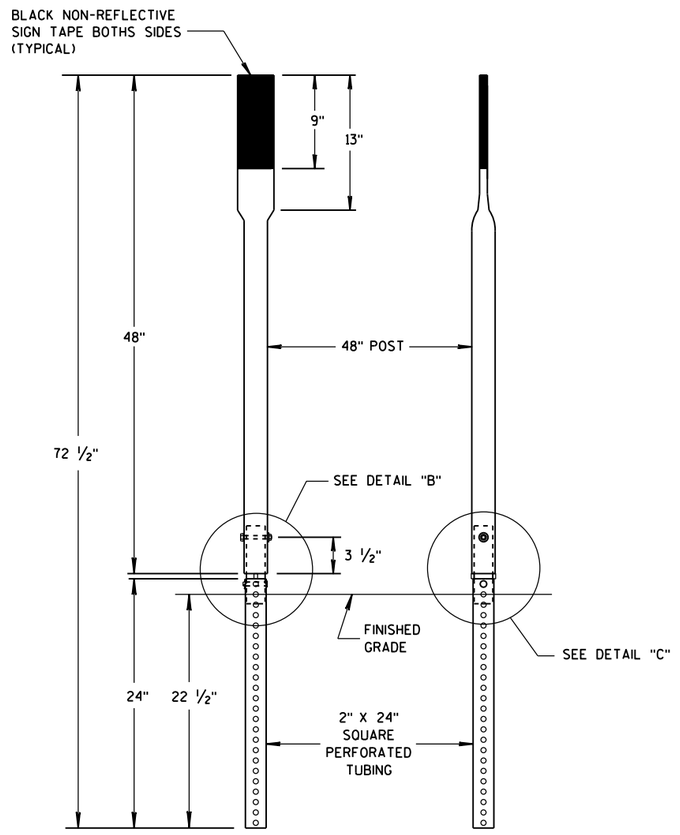
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

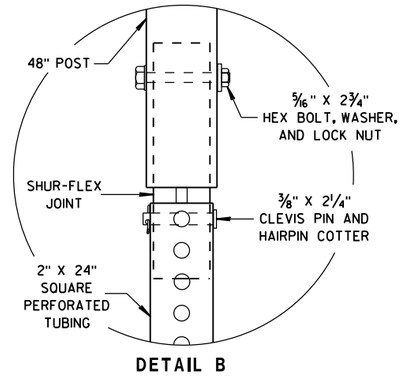
ALTERNATE 2



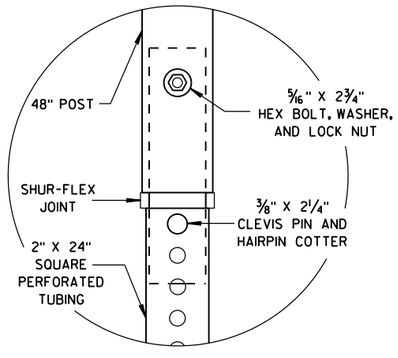
FRONT VIEW SIDE VIEW

ALTERNATE 3

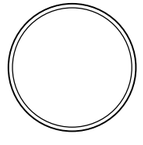
FLEXIBLE MARKER POSTS



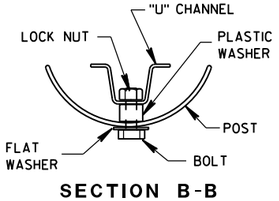
DETAIL B



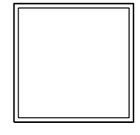
DETAIL C



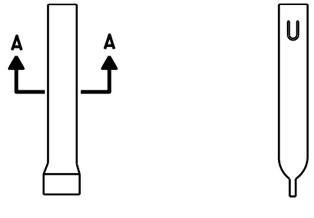
SECTION A-A



SECTION B-B

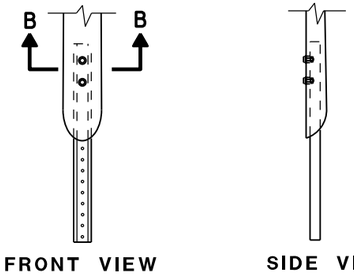


SECTION C-C



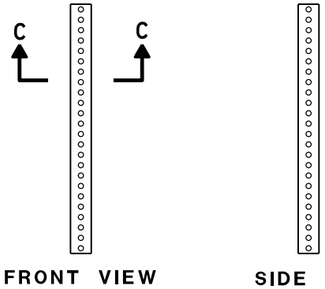
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

ALTERNATE 2



FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

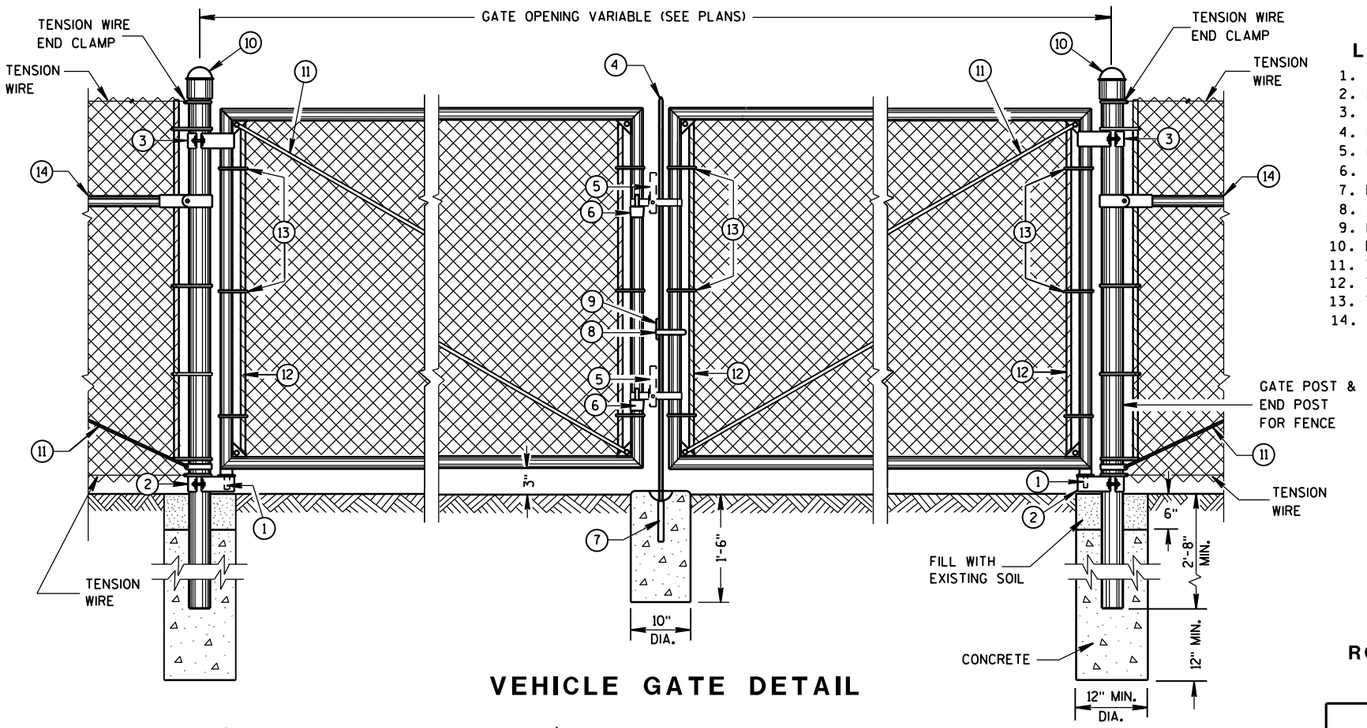
APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
427
IGN
FHWA

6

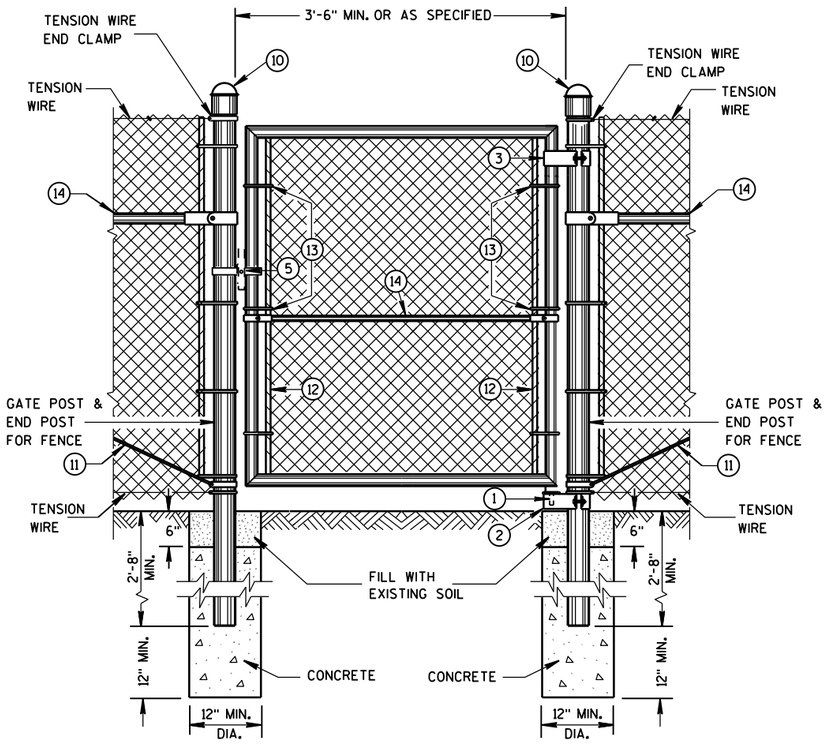
S.D.D. 15 A 3-2b

6

S.D.D. 15 A 3-2b



VEHICLE GATE DETAIL



PEDESTRIAN GATE DETAIL

LEGEND

1. STRAIGHT PLUG
2. BOTTOM HINGE
3. TOP HINGE
4. PLUNGER ROD
5. FULCRUM LATCH
6. FORK CATCH *
7. PLUNGER ROD CATCH
8. LOCK KEEPER GUIDE
9. LOCK KEEPER
10. DOME TOPS
11. TRUSS RODS
12. TENSION BAR
13. TENSION BANDS
14. BRACE RAIL

*NOT REQUIRED ON SINGLE SWING PEDESTRIAN GATE

GENERAL NOTES

FENCE POSTS INSTALLED ON CONCRETE WALLS SHALL BE ANCHORED INTO EMBEDDED METAL SLEEVES OR CORED HOLE BY FILLING THE ANNULAR SPACE WITH PEA GRAVEL FOLLOWED BY AN EPOXY RESIN ADHESIVE. THE EPOXY RESIN ADHESIVE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 235, CLASS A, B OR C.

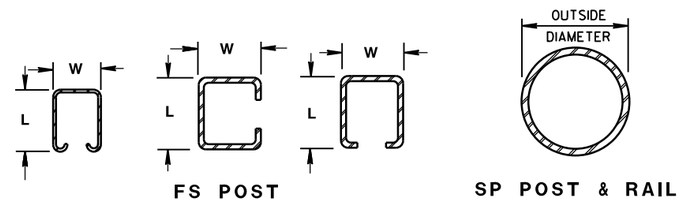
USE FENCE FABRIC KNUCKLED AT BOTH SELVAGES.

FOR LEAF GATES GREATER THAN 8 FEET WIDE, INSTALL INTERIOR VERTICAL BRACE RAIL AT 8 FOOT INTERVALS.

FOR FABRIC HEIGHTS GREATER THAN 8 FEET, INSTALL INTERIOR HORIZONTAL BRACE RAILS TO LEAF GATE.

MAXIMUM SAG FOR OUTER GATE MEMBER SHALL NOT EXCEED THE GREATER OF 1% OF THE LEAF GATE WIDTH OR 2 INCHES.

USE TYPE 2, CLASS 3, MARCELLED/CRIMPED, TENSION WIRE PER ASTM A 817.



FS POST — SP POST & RAIL

CROSS SECTIONS OF POSTS AND RAILS

ROLLED-FORMED STEEL FENCE POST (2.0 OZ./SQ. FT. COATING)

POST TYPE	LENGTH (L) INCH	WIDTH (W) INCH	WEIGHT LBS/FT
FS1	1.625	1.25	1.35
FS2†	1.875	1.625	1.850
FS2	1.875	1.625	2.400
FS3	2.250	1.700	2.780

ROUND STEEL FENCE POST (1.8 OZ./SQ. FT. COATING)

POST TYPE	OUTSIDE DIMENSION INCH	WALL THICKNESS INCH	WEIGHT LBS/FT
SP1	1.660	0.140	2.270
SP2	1.900	0.145	2.720
SP3	2.375	0.154	3.650
SP4	2.875	0.203	5.800
SP5	4.000	0.226	9.120
SP6	6.625	0.280	18.990
SP7	8.625	0.322	28.580

REQUIRED FENCE POST SIZES

USE	FABRIC HEIGHTS FEET	POST TYPE
TERMINAL POSTS **	LESS THAN OR EQUAL TO 6 FT.	SP3
	GREATER THAN OR EQUAL TO 6 FT.	SP4
LINE POSTS	LESS THAN OR EQUAL TO 6 FT.	SP2
	LESS THAN OR EQUAL TO 8 FT.	SP3
	GREATER THAN OR EQUAL TO 8 FT.	SP4
	LESS THAN OR EQUAL TO 8 FT.	FS2 OR FS2†
	GREATER THAN OR EQUAL TO 8 FT.	FS3

REQUIRED POST SIZE FOR GATES

USE	LEAF WIDTHS FEET	POST TYPE
GATES	LESS THAN OR EQUAL TO 6 FT.	SP4
	LESS THAN OR EQUAL TO 13 FT.	SP5
	LESS THAN OR EQUAL TO 18 FT.	SP6
	LESS THAN OR EQUAL TO 23 FT.	SP7

BRACE RAIL TYPES

USE		TYPE
BRACE RAIL		SP1 OR FS1

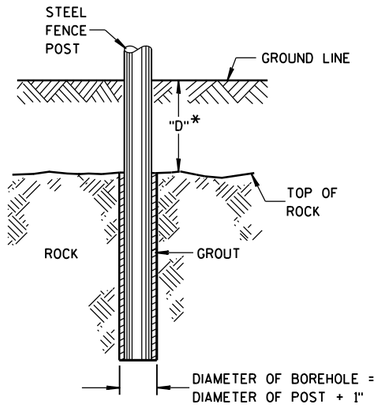
** INCLUDES END, CORNER, ANGLE, INTERSECTION AND INTERMEDIATE BRACED POSTS

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

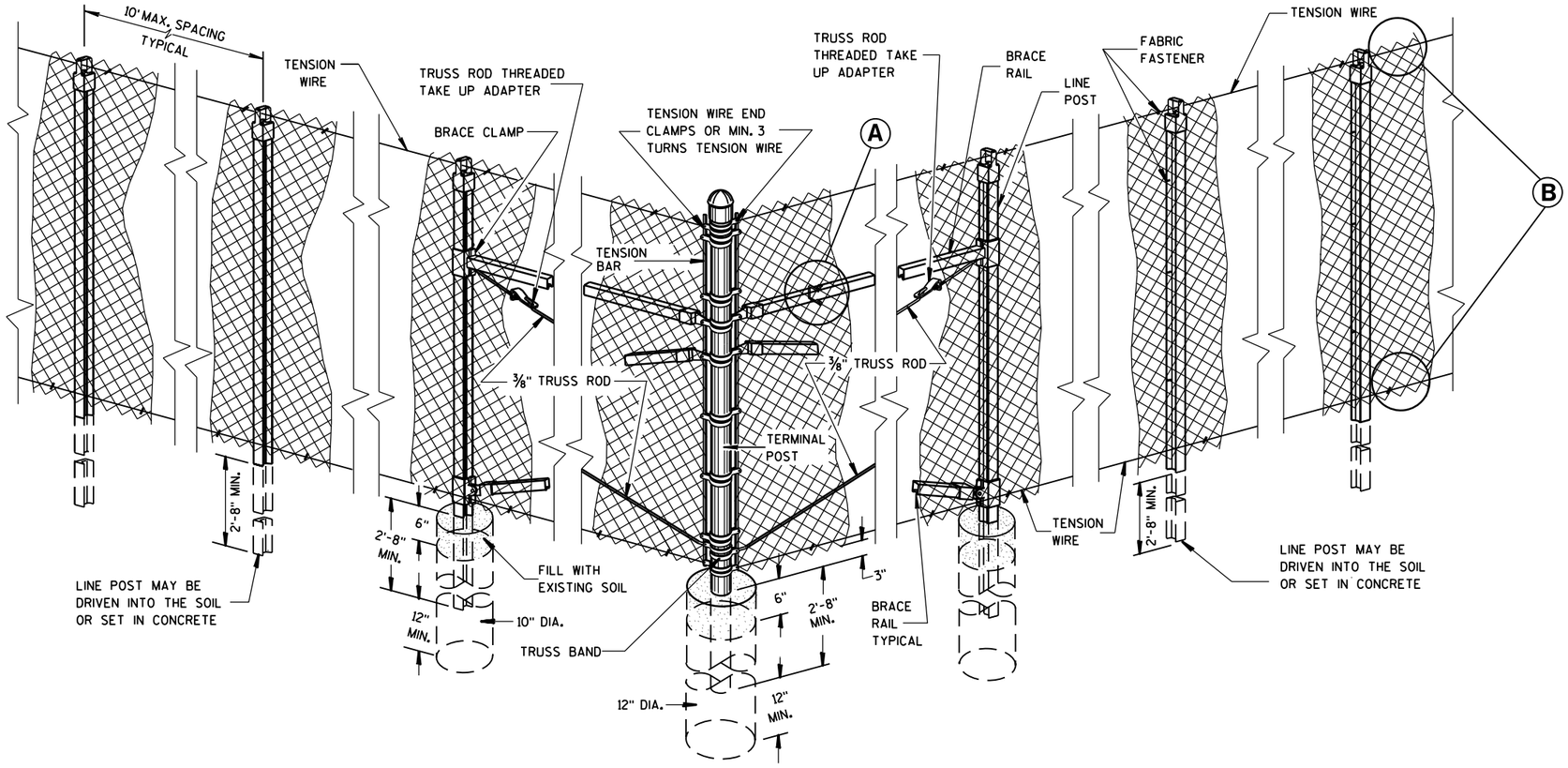
6

S.D.D. 15 B 3-15a

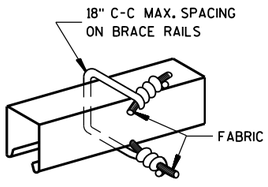


*IF "D" IS LESS THAN 2'-6", DRILL ROCK AND INSTALL GROUT

ROCK INSTALLATION OF LINE POST



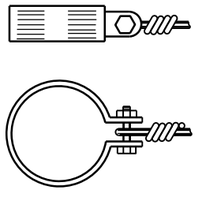
END, CORNER, ANGLE INTERSECTION & INTERMEDIATE BRACED POSTS



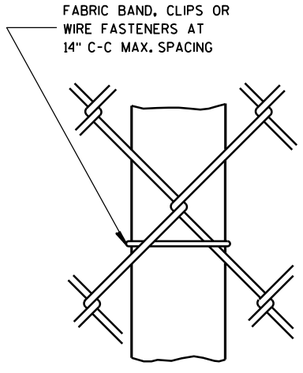
BRACE RAIL

FABRIC FASTENER

Ⓐ



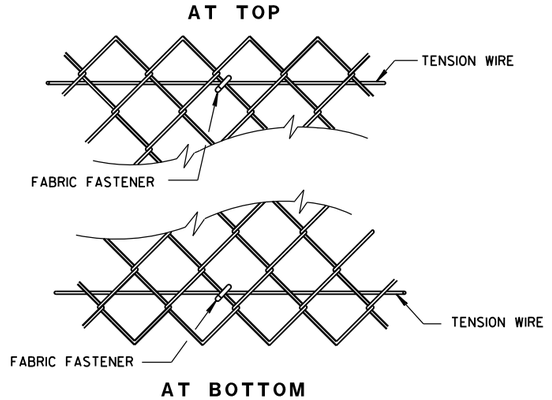
TENSION WIRE END CLAMP



LINE POST

FABRIC FASTENER

AT TOP



AT BOTTOM

SELVAGES

Ⓑ

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

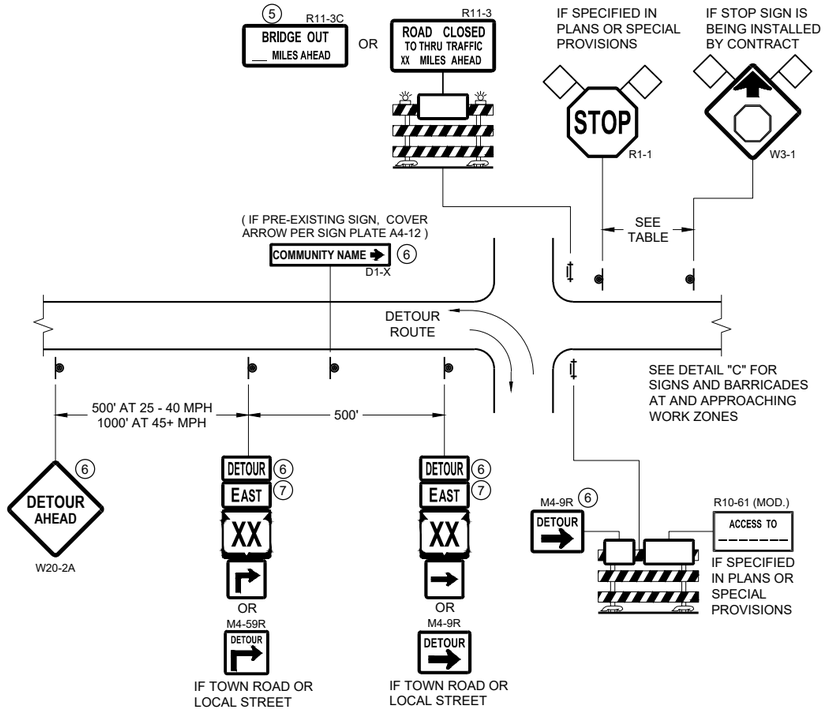
APPROVED
FEB. 2015 DATE
FHWA
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

S.D.D. 15 B 3-15b

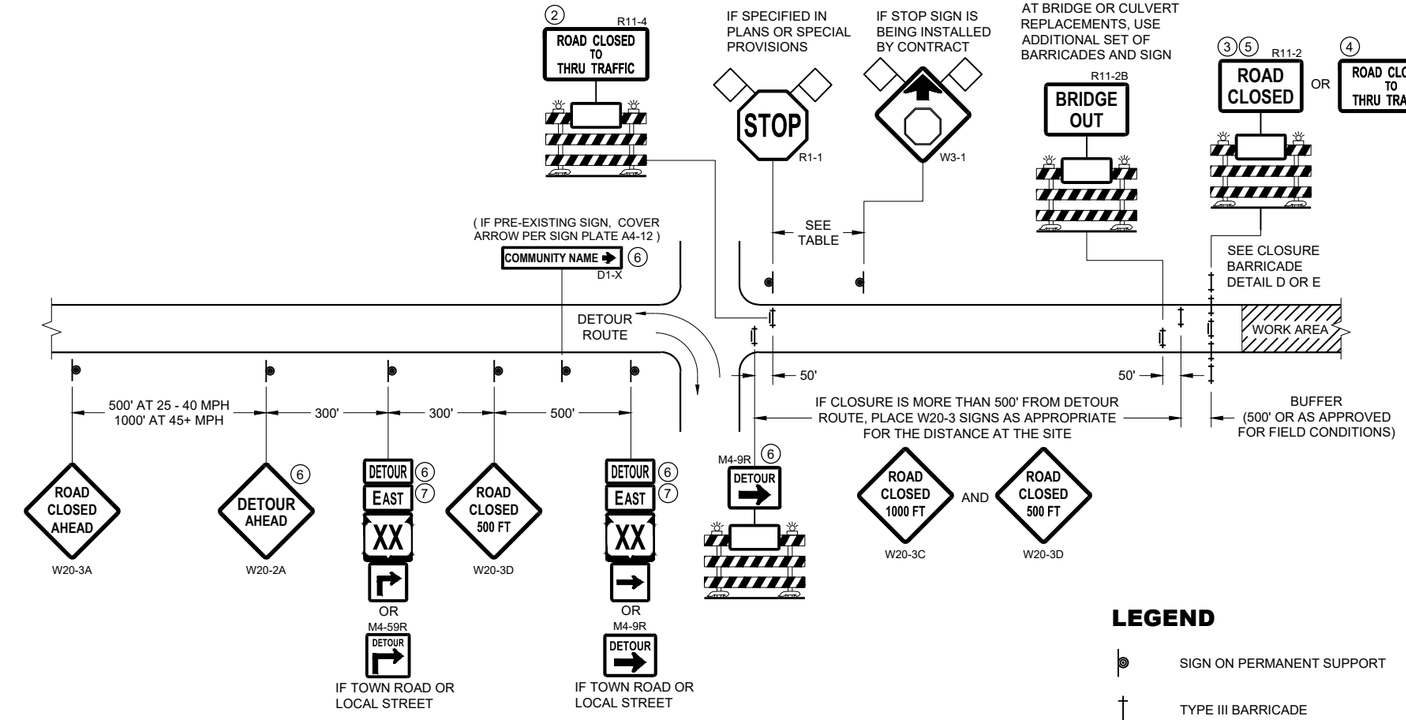
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S.D.D. 15 B 3-15b



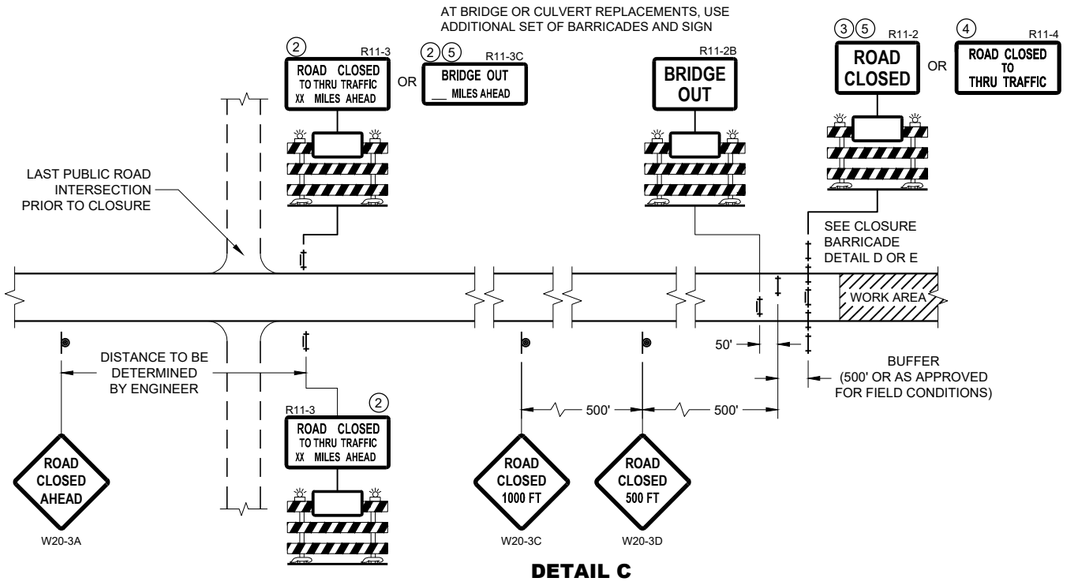
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

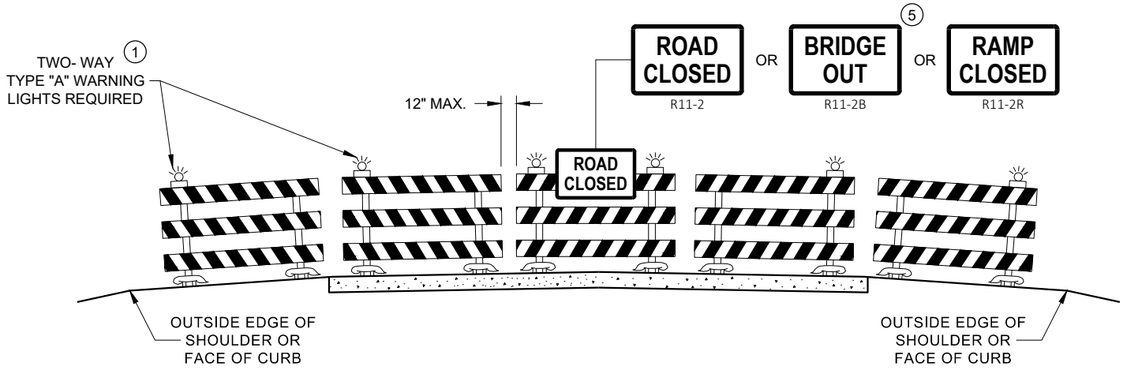
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

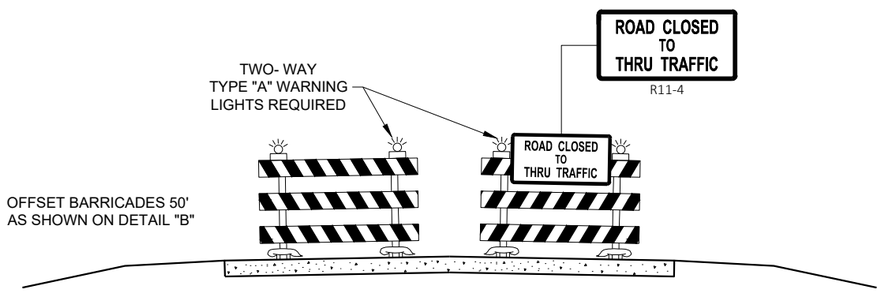
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SDD 15C02 - 09a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

6

SDD 15C02 - 09b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR / EAST — M4 - 8, M3 - X
- XX — M1 - 4
- OR XX — M1 - 6
- OR COUNTY X — M1 - 5A
- M05 - 1
- OR M06 - 1
- OR M06 - 1

GENERAL NOTES

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

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

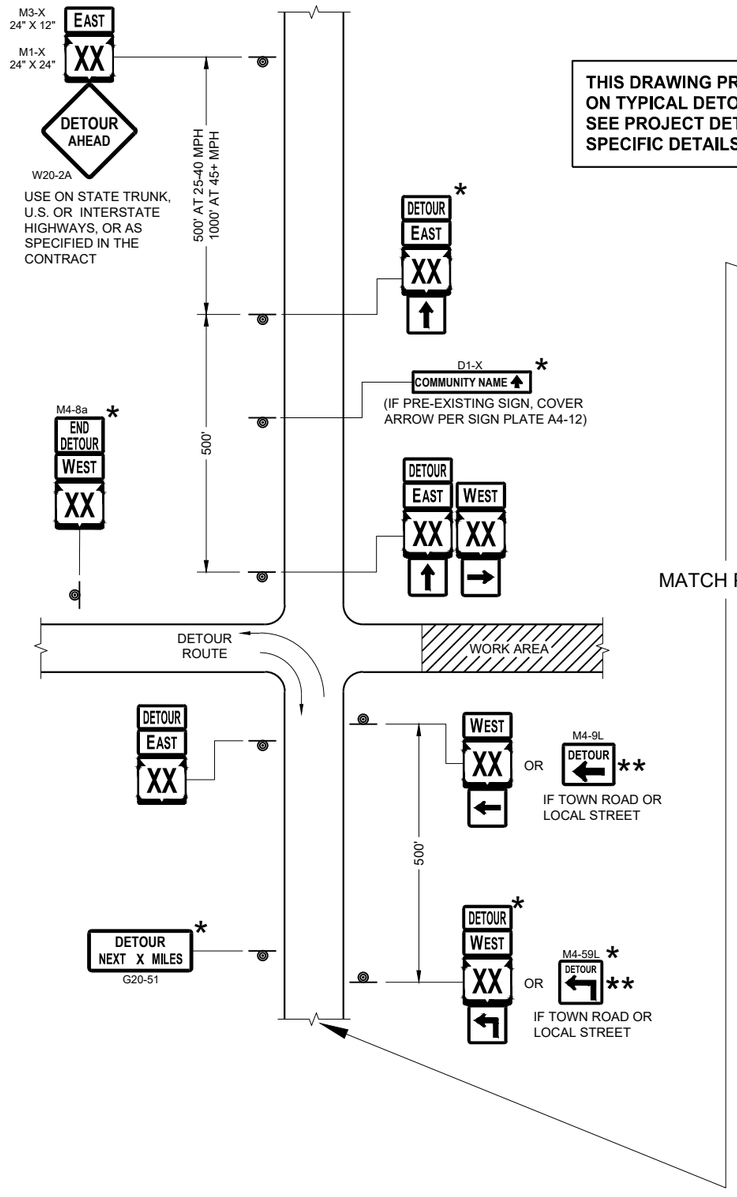
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

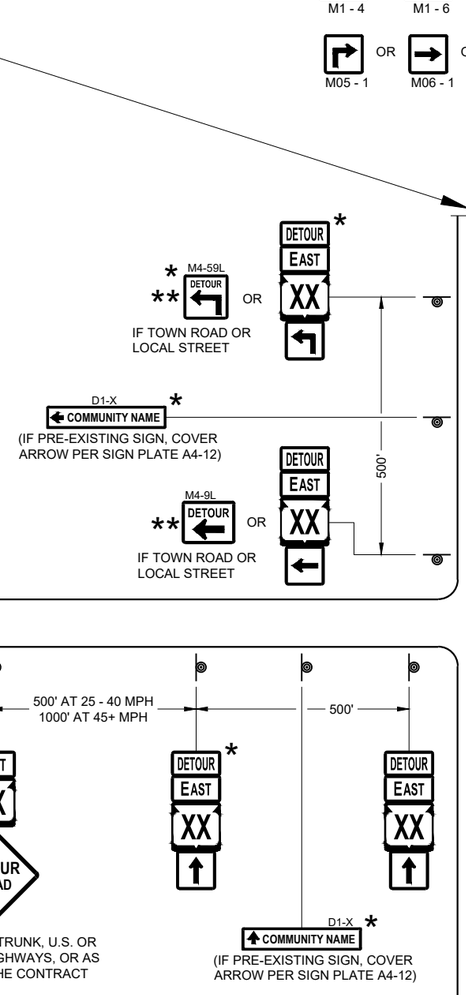
- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-9 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2A SHALL BE 48" X 48"
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

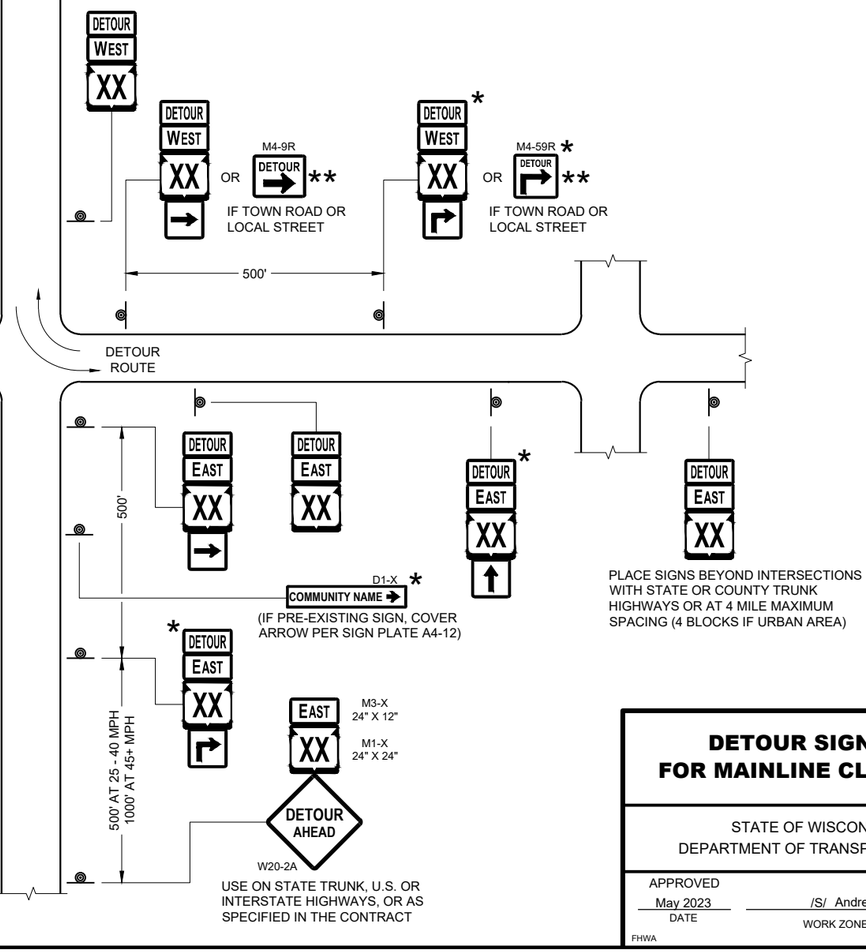
* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT



MATCH POINT





SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

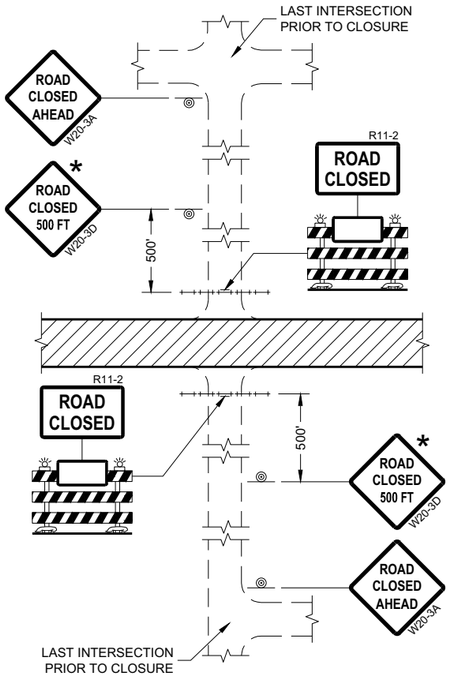
APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

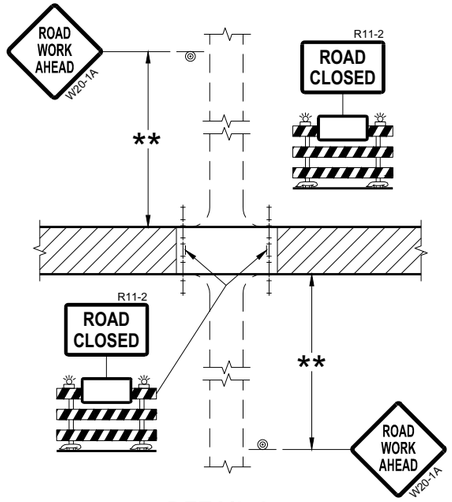
FHWA

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SDD 15C02 - 09c



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.

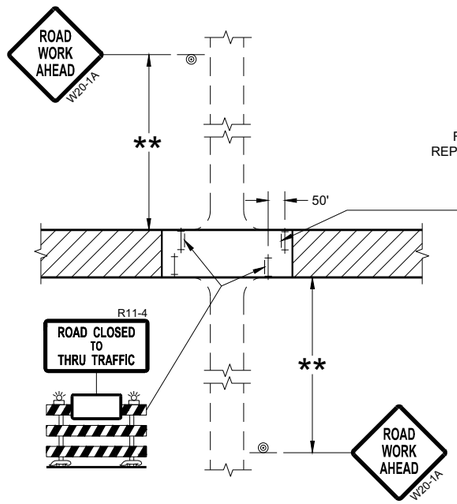
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

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.

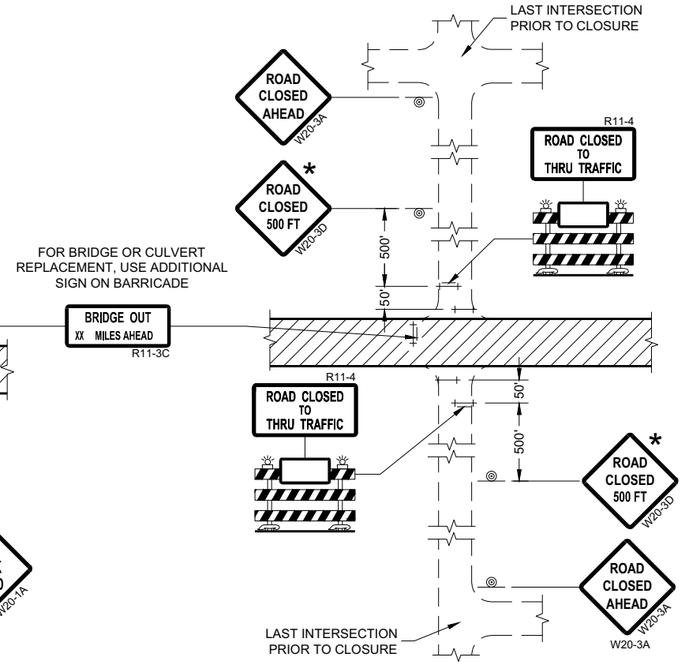
ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* 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

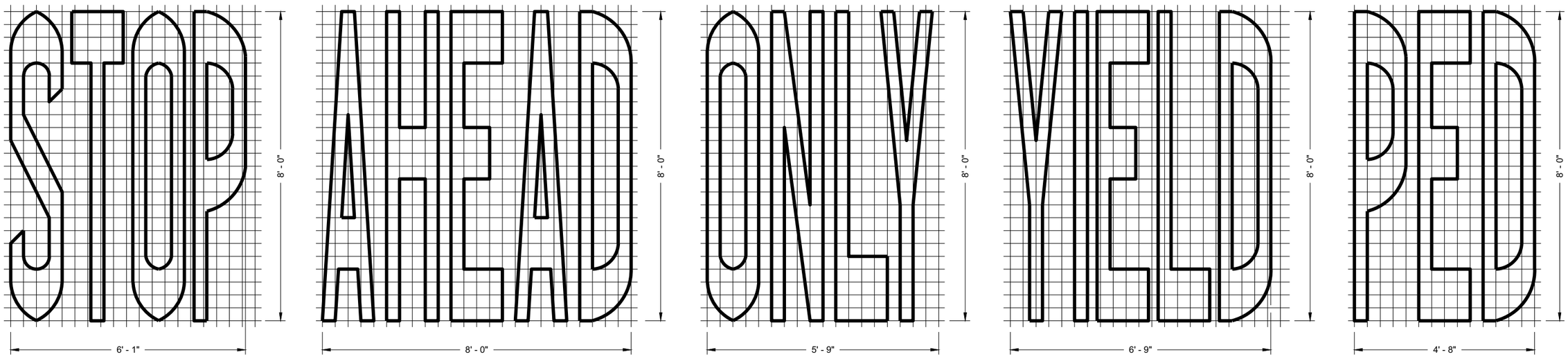
APPROVED
July 2018
DATE

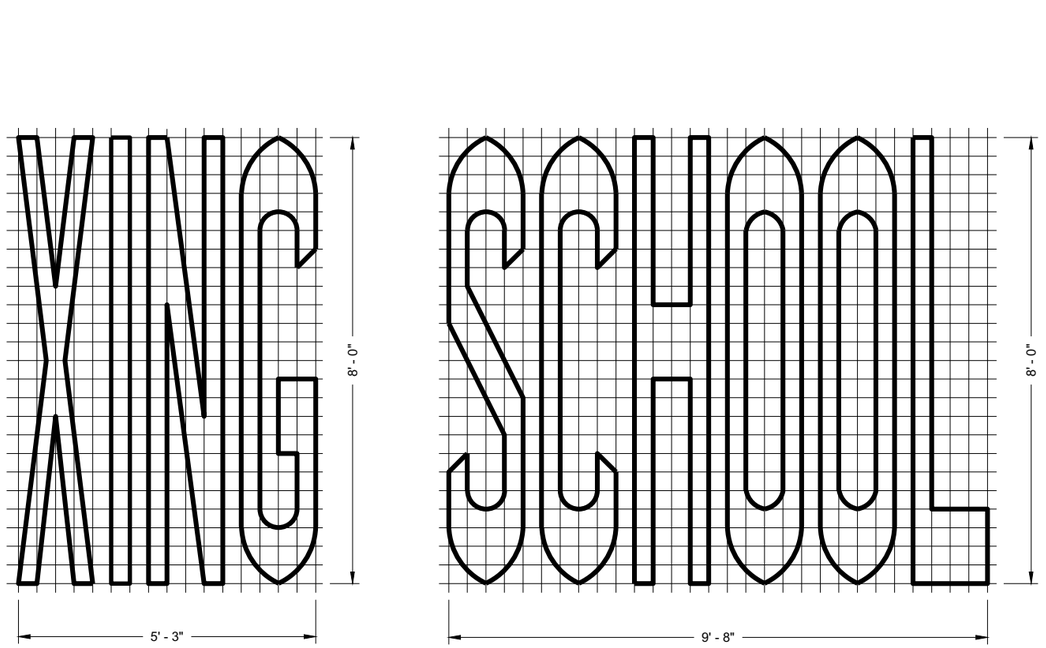
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

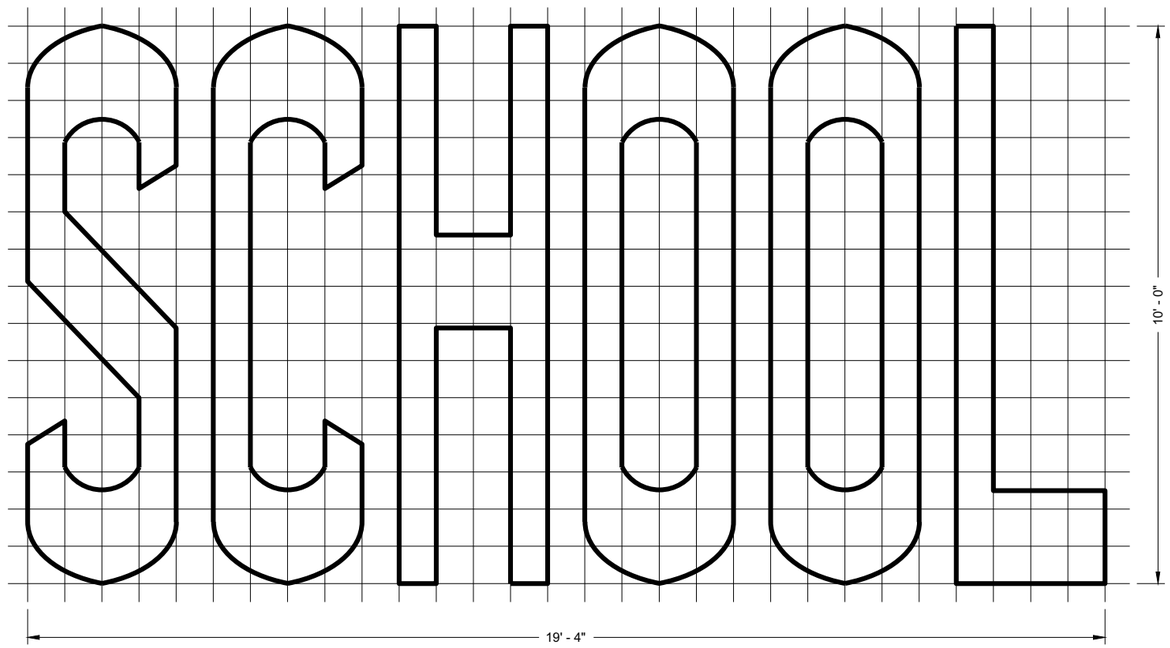
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SDD 15C03 - 05





SINGLE LANE



TWO - LANE

GENERAL NOTES

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

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

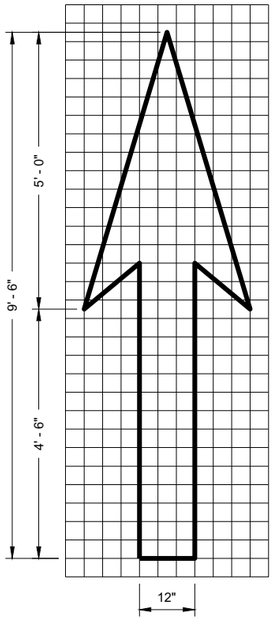
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SDD 15C07 - 15b

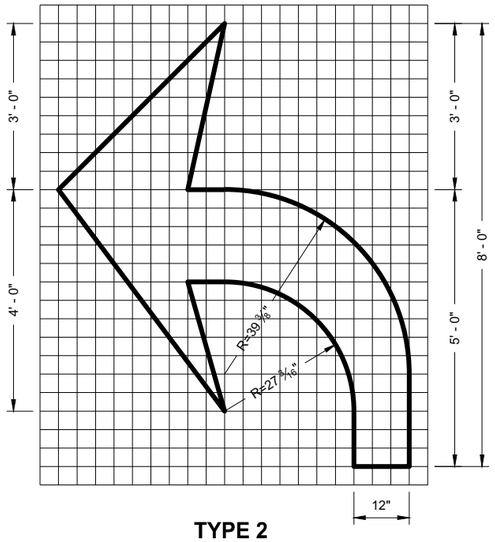
SDD 15C07 - 15b

GENERAL NOTES

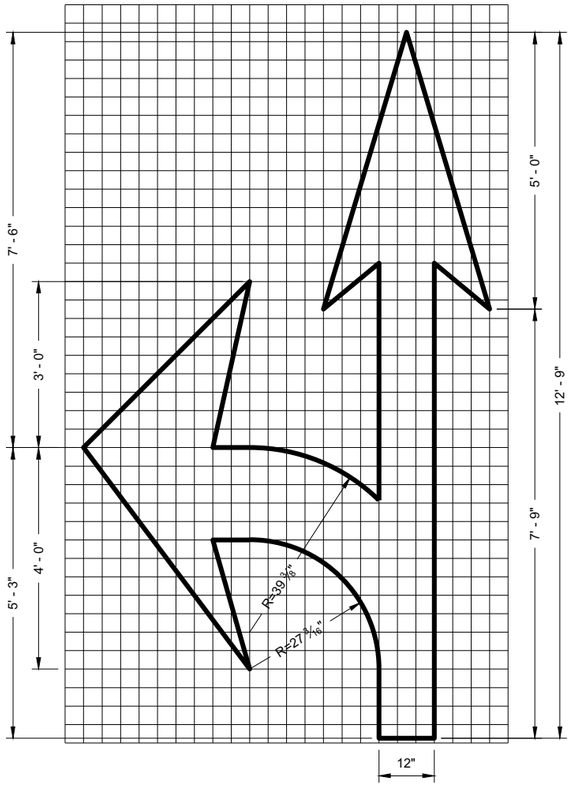
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



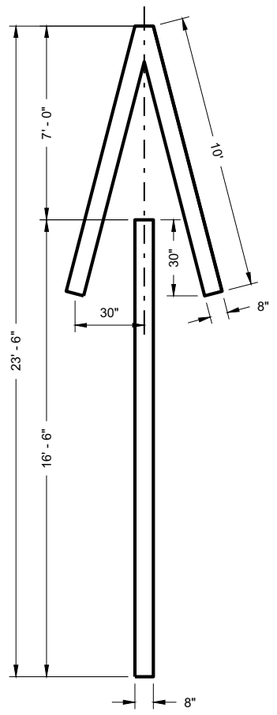
TYPE 1



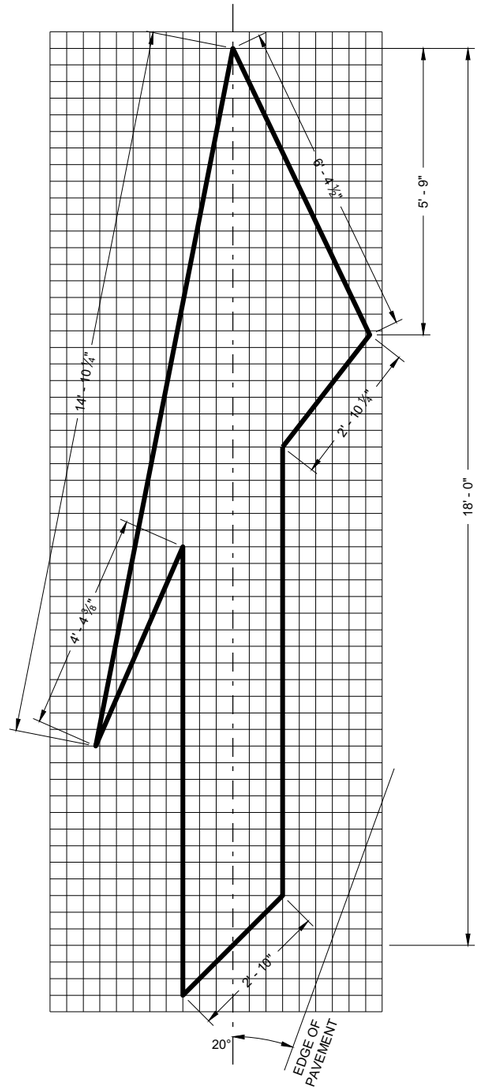
TYPE 2



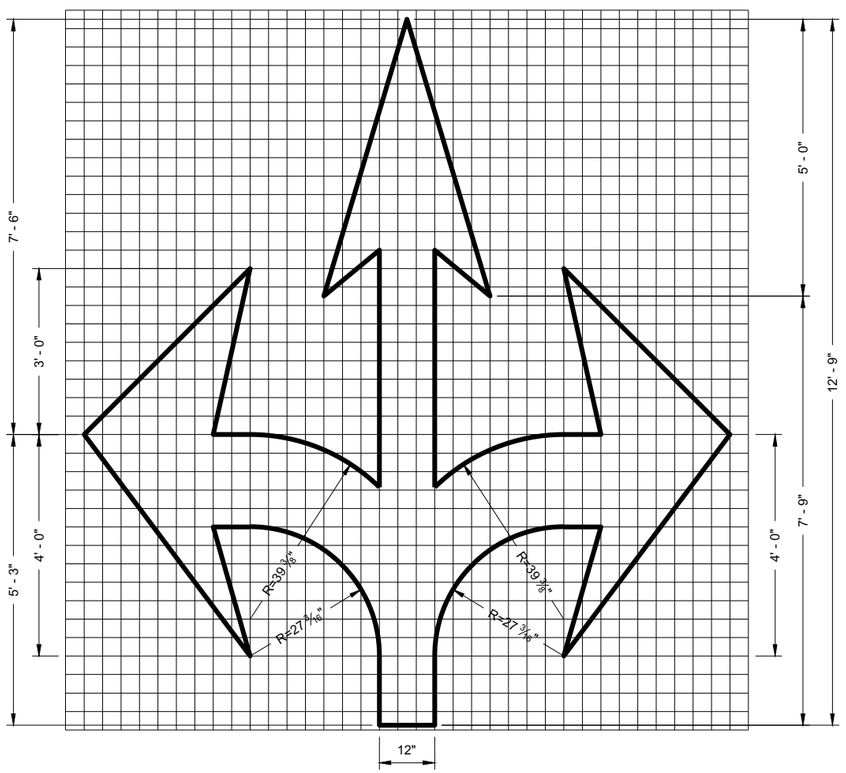
TYPE 3



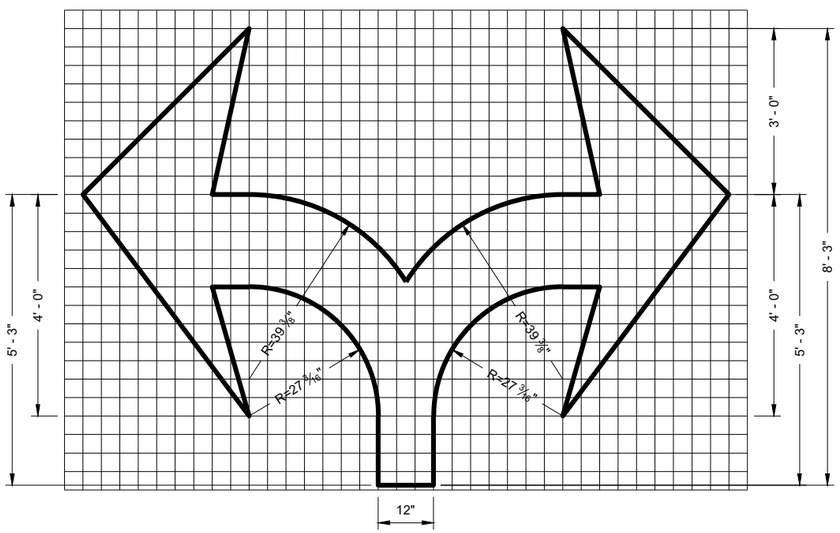
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER
435

FHWA

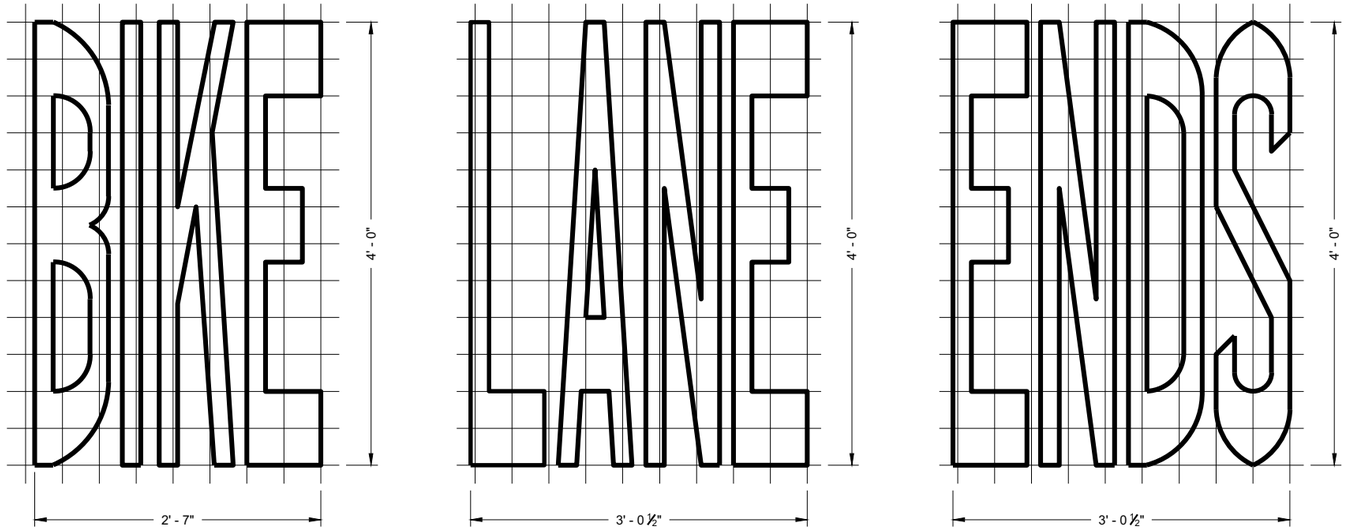
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SDD 15C07 - 15c

6

SDD 15C07 - 15c

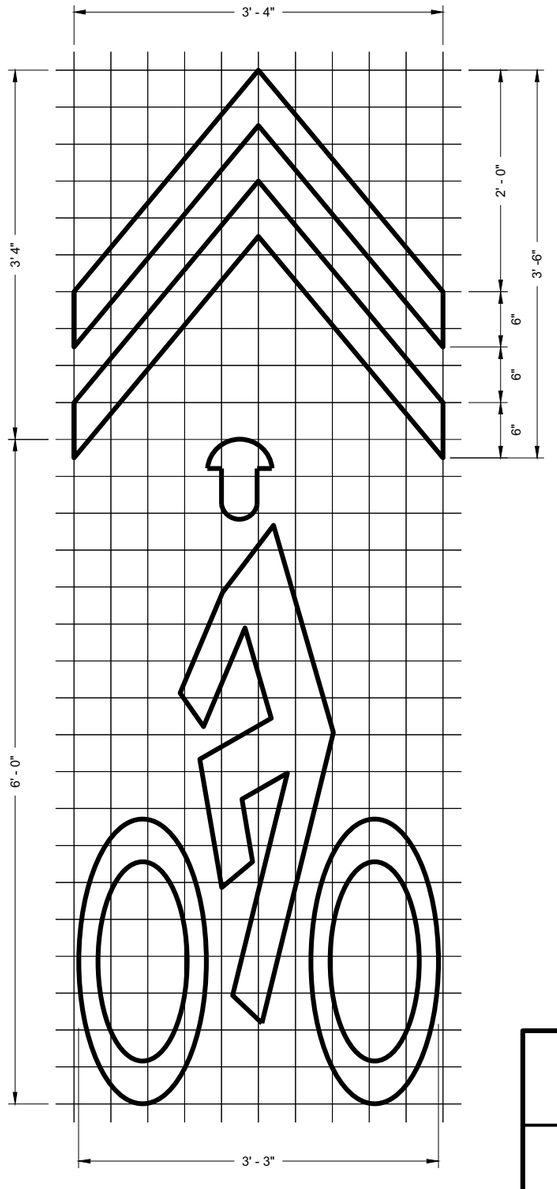
SDD 15C7-e Pavement Marking For Bike Lanes

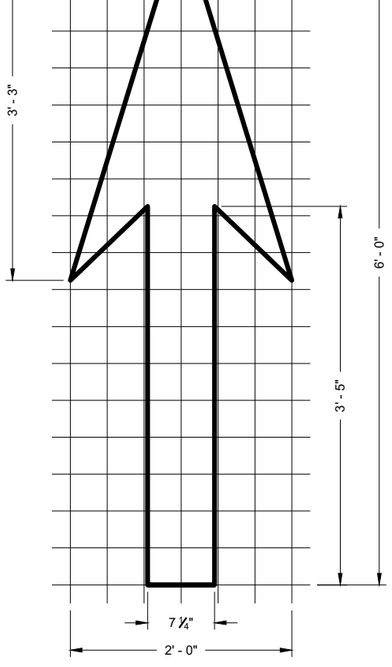


BIKE LANE WORDS

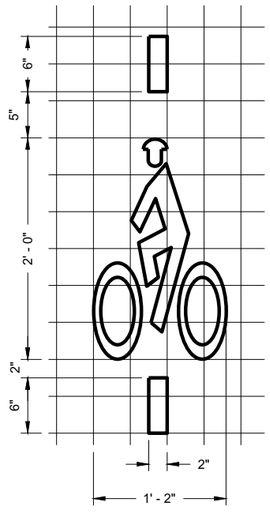
GENERAL NOTES

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

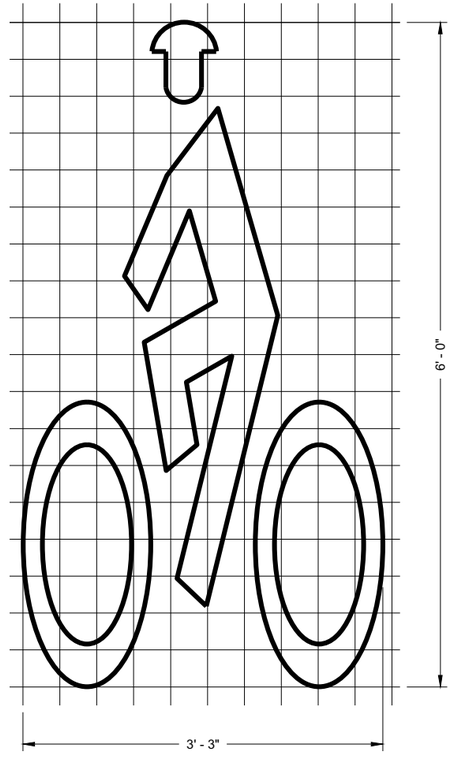




BIKE LANE ARROW



BICYCLE DETECTOR PAVEMENT MARKING



BIKE LANE SYMBOL

BIKE LANE SYMBOL FOR SHARED LANE

PAVEMENT MARKING FOR BIKE LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

6

SDD 15C07 - 15e

6

SDD15C07 - 15e

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING

(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

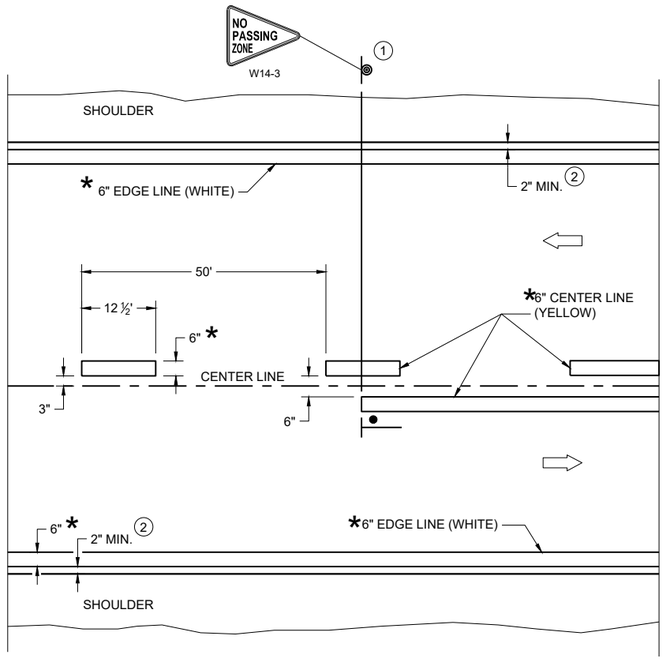
LEGEND

"T" MARKING

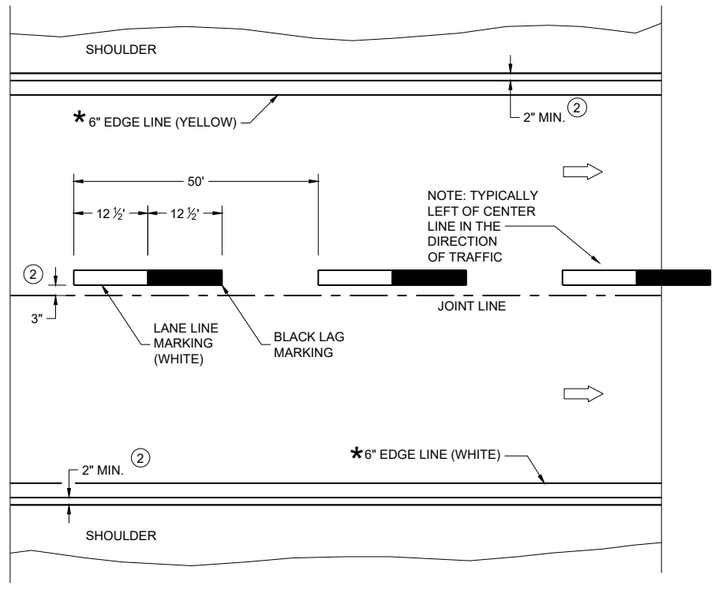
SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

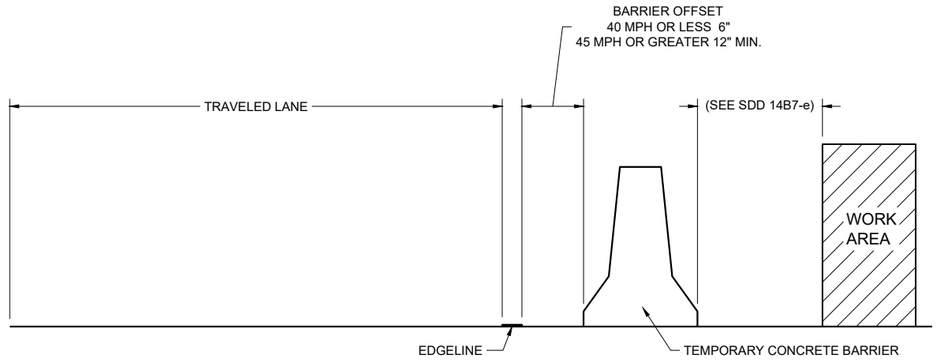
FHWA

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SDD 15C08-23a

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SDD 15C08-23a



TEMPORARY BARRIER OFFSET FROM EDGELINE

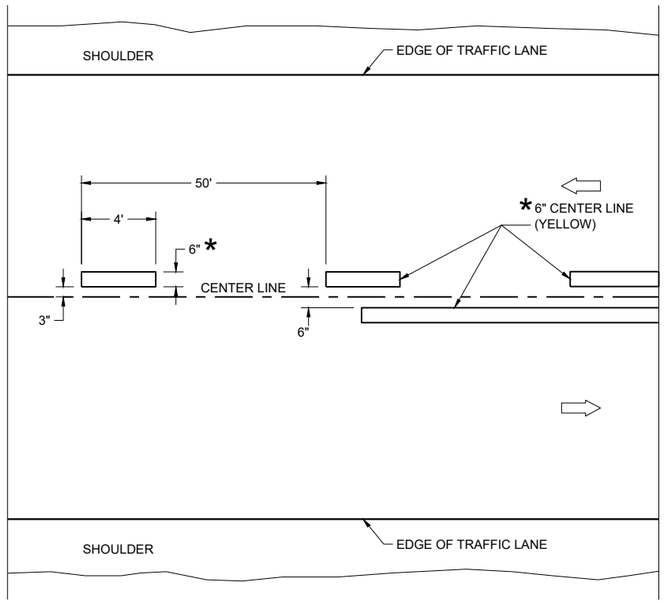
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

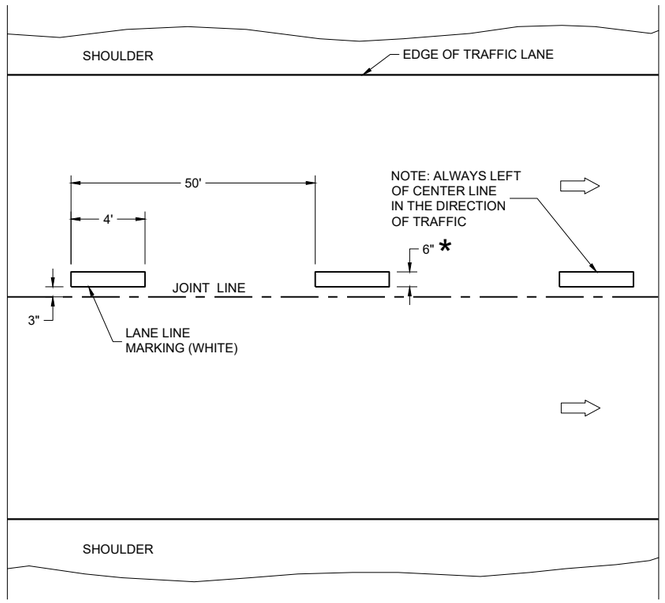
LEGEND

DIRECTION OF TRAFFIC

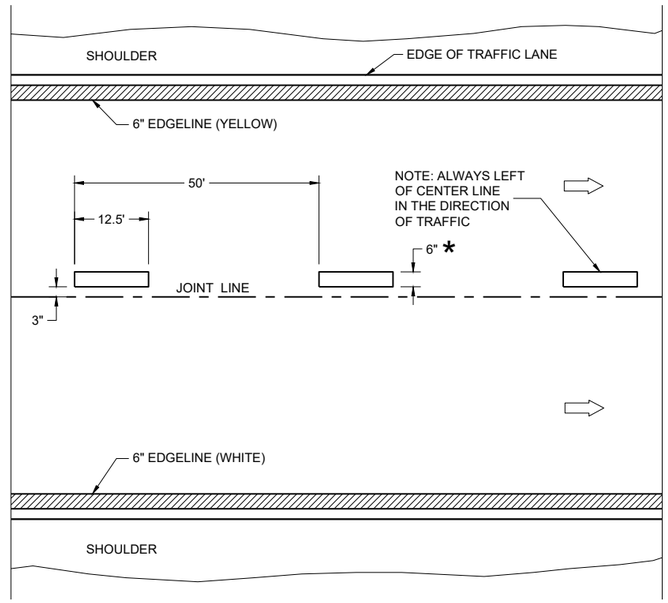
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY TRAFFIC



ONE WAY TRAFFIC



FREEWAYS AND EXPRESSWAYS

TEMPORARY PAVEMENT MARKING

TEMPORARY LONGITUDINAL PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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SDD 15C08-23b

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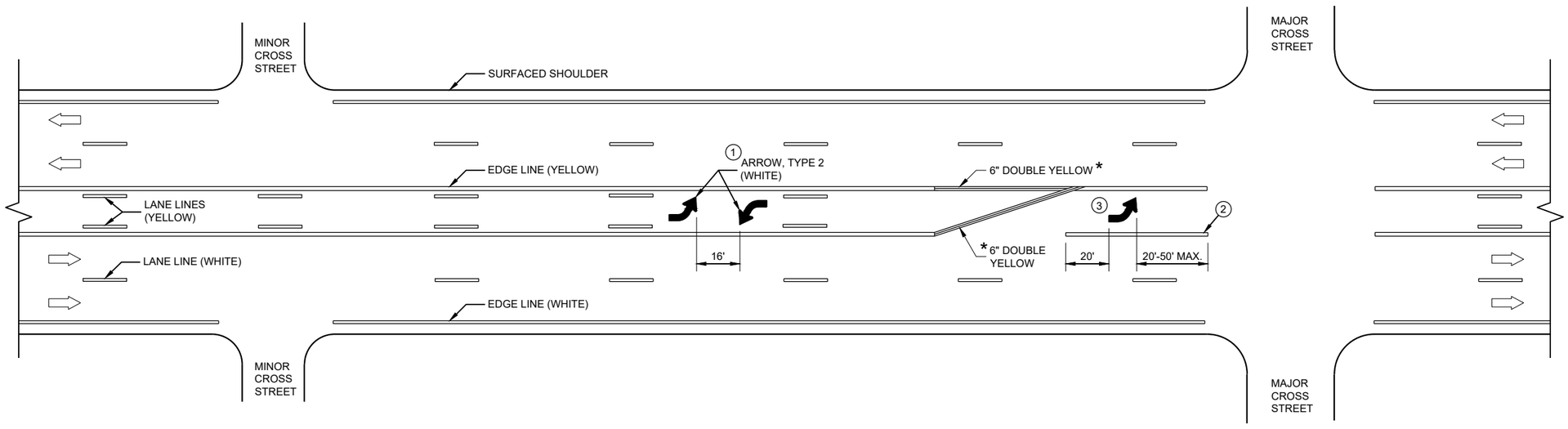
SDD 15C08-23b

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 10" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

⇨ DIRECTION OF TRAFFIC

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY LEFT TURN LANE

6

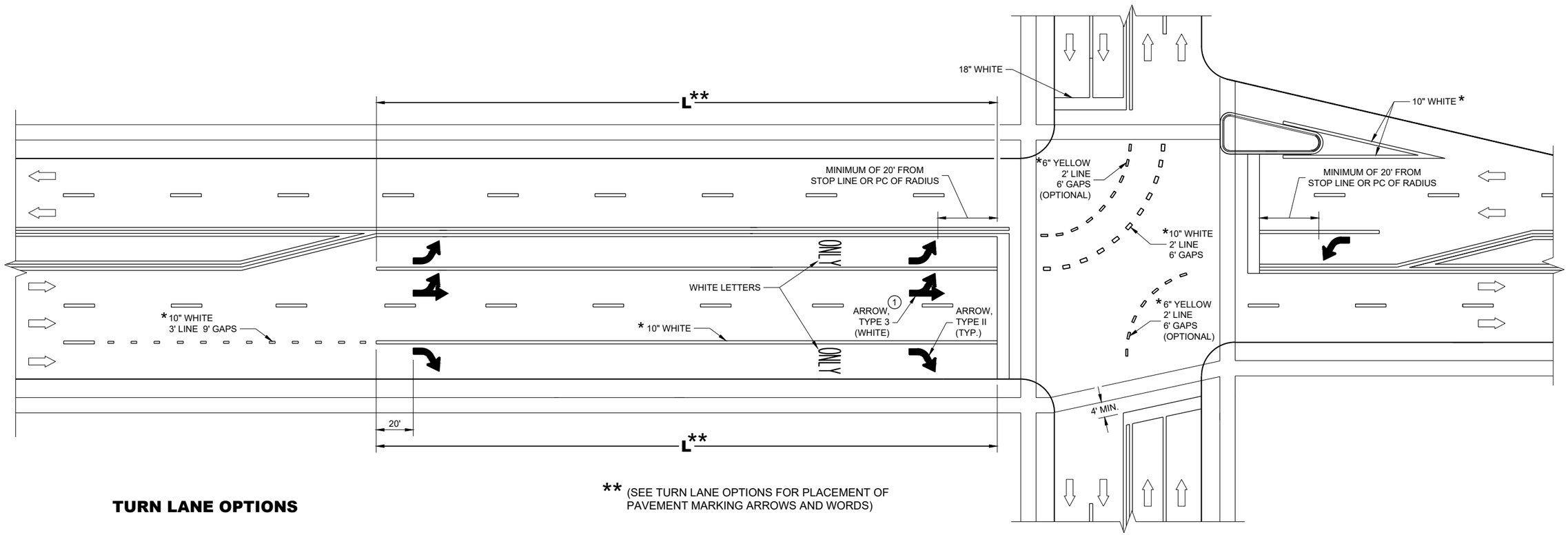
SDD 15C08-23c

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA· 439

6

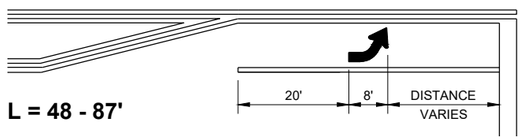
SDD 15C08-23c



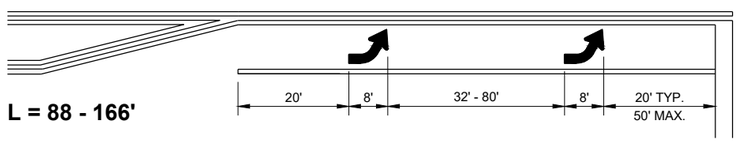
** (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

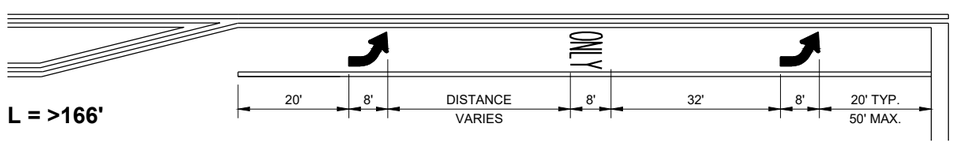
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



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)

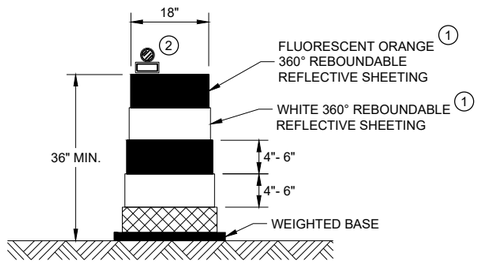
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C08-23d

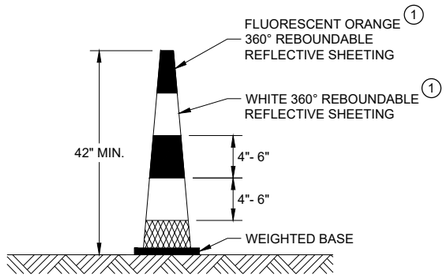
GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

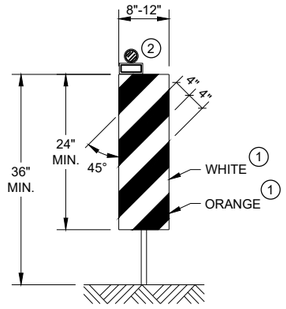
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

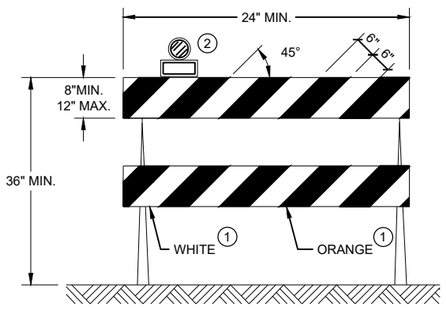
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



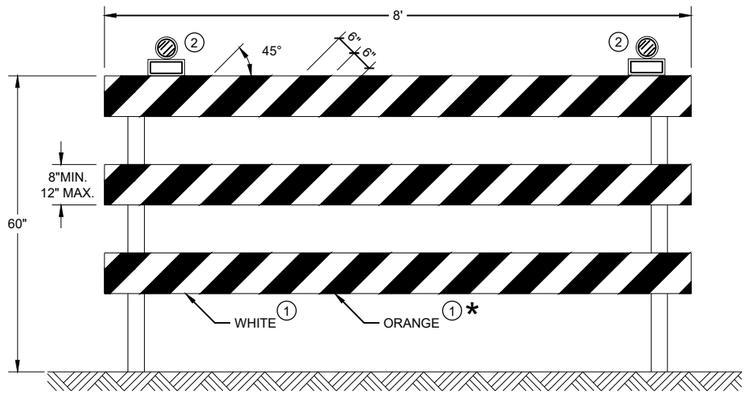
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

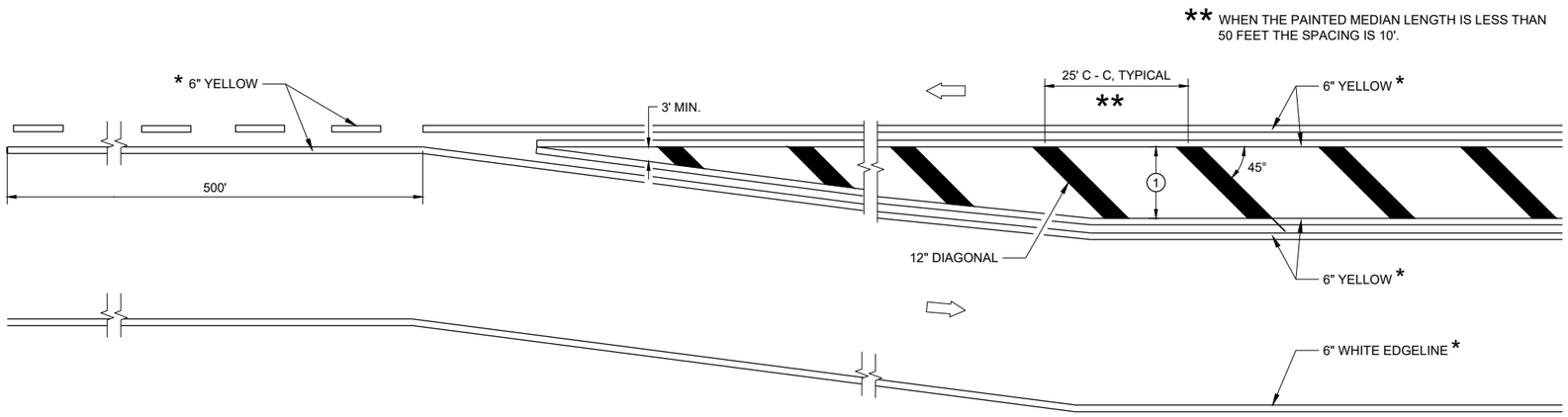
FHWA

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SDD 15C11 - 10b

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SDD 15C11 - 10b



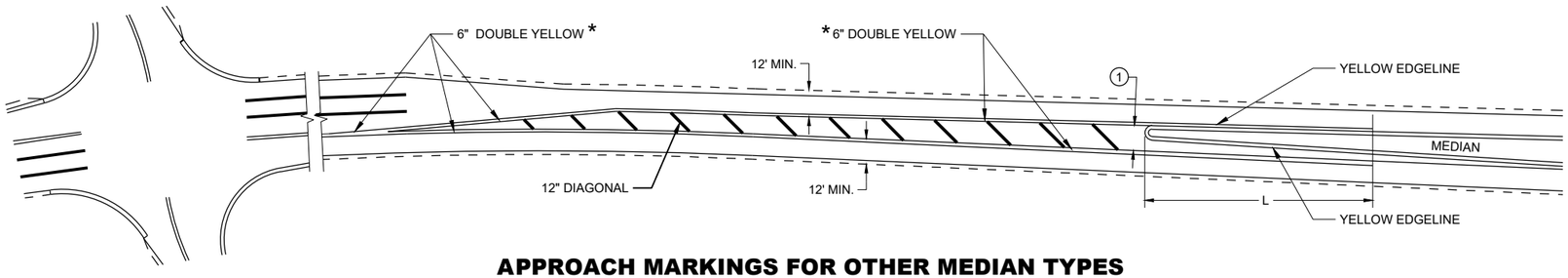
MEDIAN ISLAND DETAIL

GENERAL NOTES

1. DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT THE WIDEST POINT. OMIT DIAGONALS IF WIDTH IS LESS THAN 4 FEET.

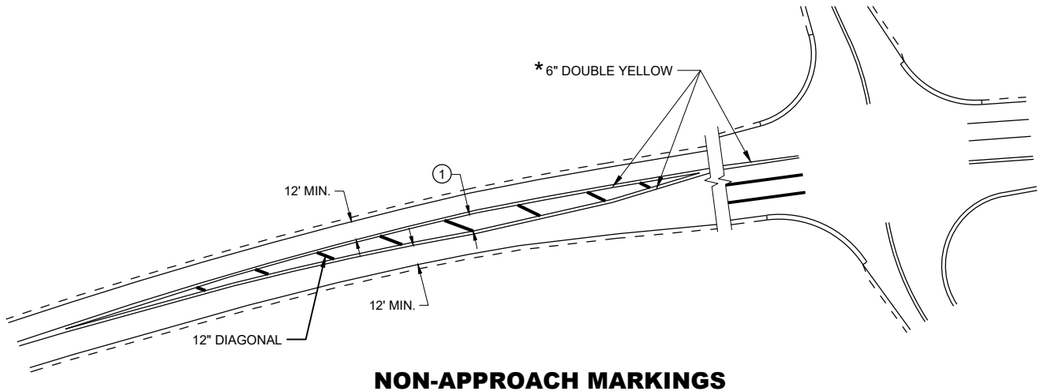
DIRECTION OF TRAVEL

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



APPROACH MARKINGS FOR OTHER MEDIAN TYPES

SPEED LIMIT	L
<35 MPH	5'
35> MPH	50'



NON-APPROACH MARKINGS

MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

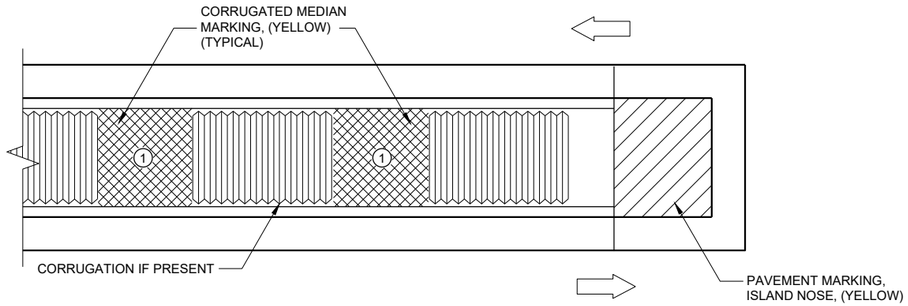
APPROVED
May 2023 — DATE
/S/ Jeannie Silver — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

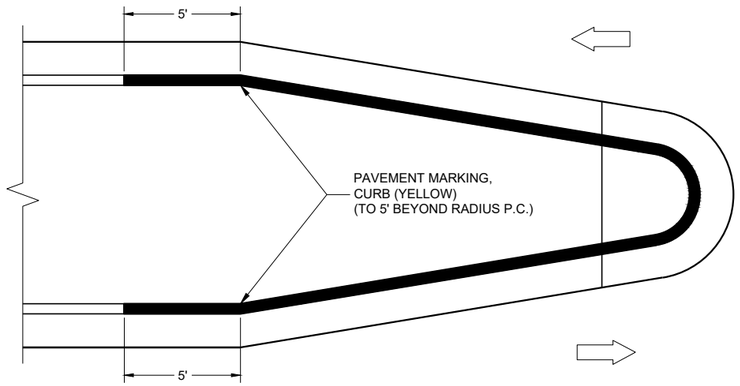
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SDD 15C18-08a

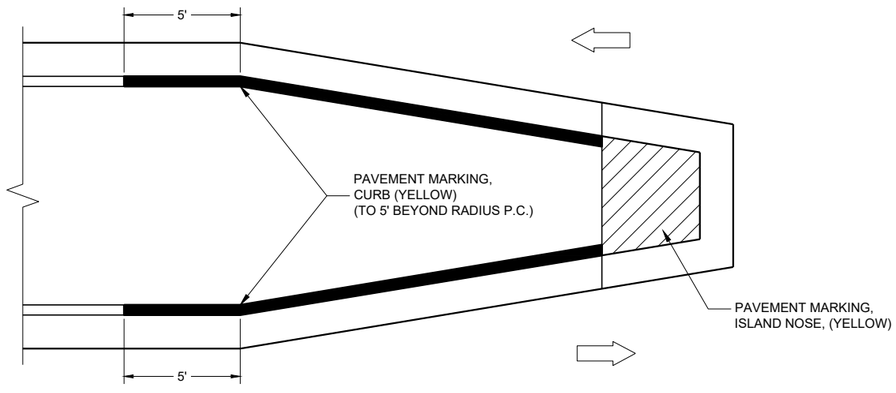
SDD 15C18-08a



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

(1) APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL

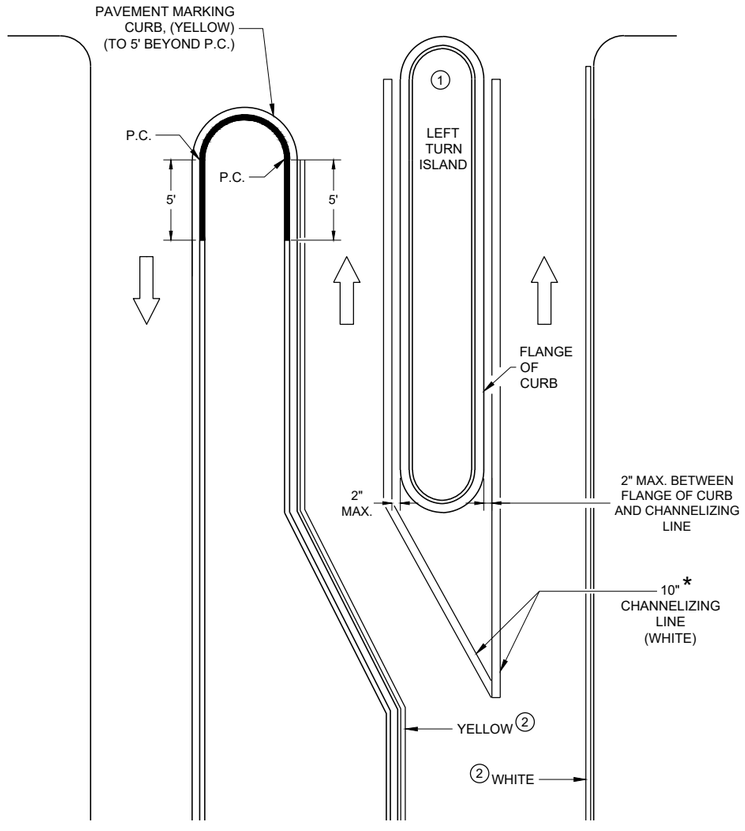
PAVEMENT MARKINGS, MEDIAN ISLAND NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Jeannie Silver — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA

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SDD 15C18-08b

REQUIREMENTS FOR EDGE LINES		
POSTED SPEED	IS THERE CONTINUOUS LIGHTING?	
	YES	NO
≤ 30 MPH	NO	OPTIONAL
35 OR 40 MPH	OPTIONAL	RECOMMENDED
≥ 45 MPH	RECOMMENDED	REQUIRED



LEFT TURN & MEDIAN ISLAND

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

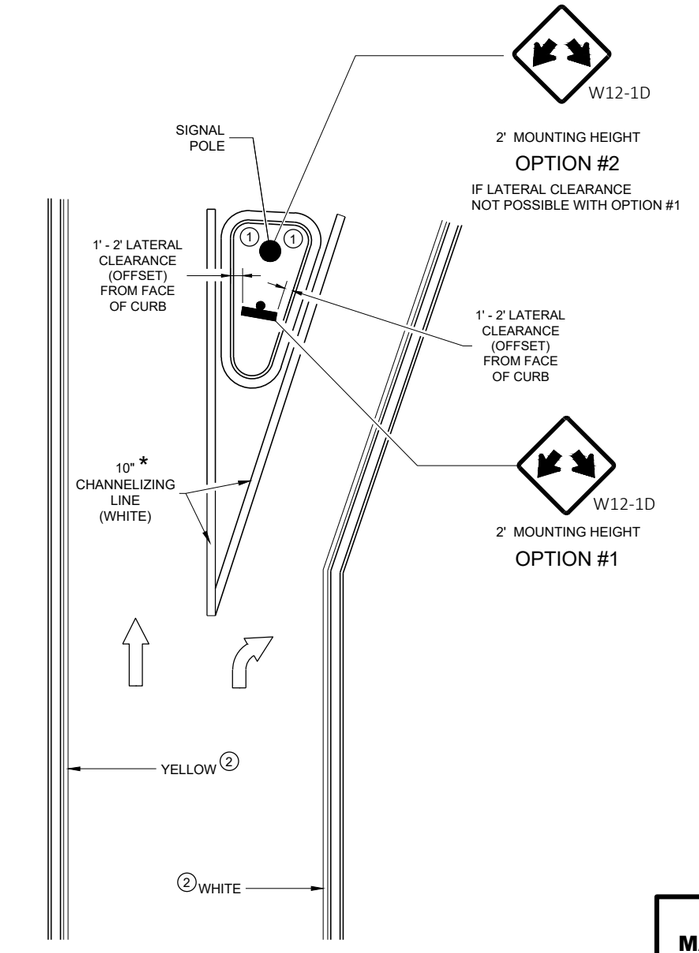
GENERAL NOTES

APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.

SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

1. MARK CURB NOSES YELLOW.
2. MARK ACCORDING TO TABLE.

DIRECTION OF TRAVEL



RIGHT TURN ISLAND

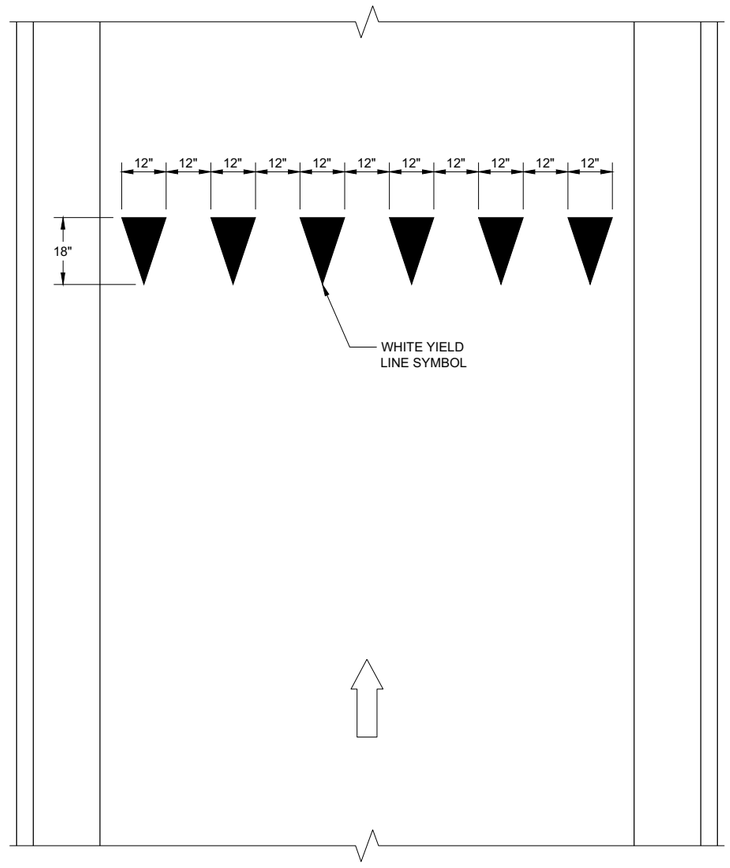
MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Jeannie Silver — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

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SDD 15C18-08c

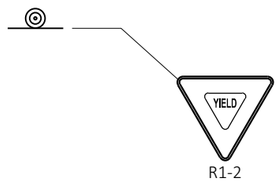


YIELD LINE

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

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SDD 15C20 - 02

SDD 15C20 - 02

GENERAL NOTES

SIGNING AND MARKING IS SHOWN AS TYPICAL PLACEMENT. FIELD CONDITIONS MAY DICTATE CHANGES IN SIGNING AND MARKING PLACEMENT.

(1) USED ONLY WHEN APPROVED BY REGION TRAFFIC ENGINEER.

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

** SIGNS MAY BE OMITTED IF SPACE DOES NOT PERMIT PLACEMENT.

*** IF POSTED SPEED IS 45 MPH OR GREATER, PLACE W5-54 SIGN UNDER R4-7 SIGN. MOUNT W5-54 SIGN AT 4' MOUNTING HEIGHT (TOP OF ROADWAY TO BOTTOM OF SIGN).

LEGEND

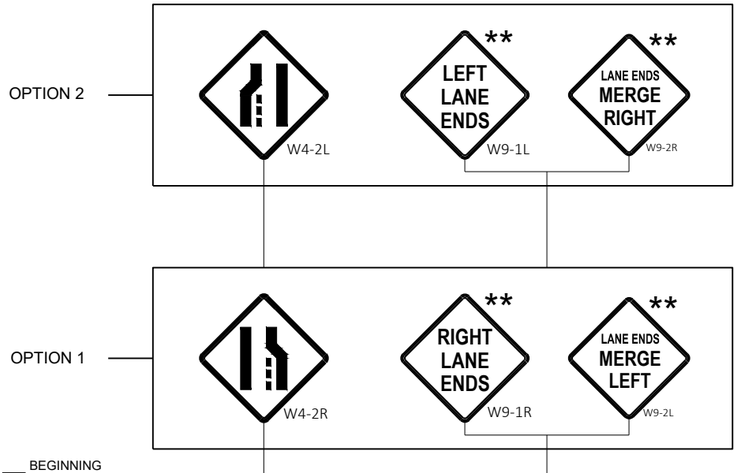
A DISTANCE DEPENDENT ON SPEED (SEE TABLE)

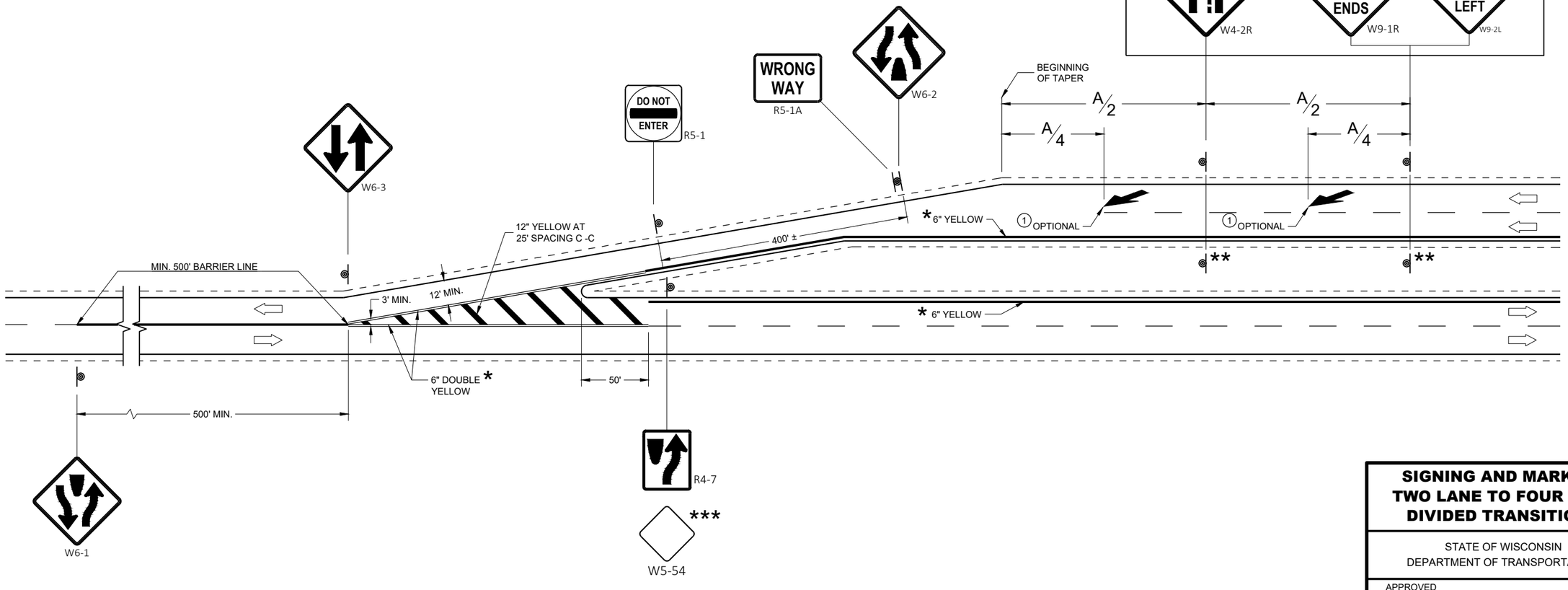
SIGN MOUNTED ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

DISTANCE TABLE

POSTED OR 85TH PERCENTILE SPEED	DISTANCE "A"
25	325'
30	460'
35	565'
40	670'
45	775'
50	885'
55	990'
65	1200'
70	1250'





SIGNING AND MARKING TWO LANE TO FOUR LANE DIVIDED TRANSITIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER
FHWA

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SDD 15C21-11

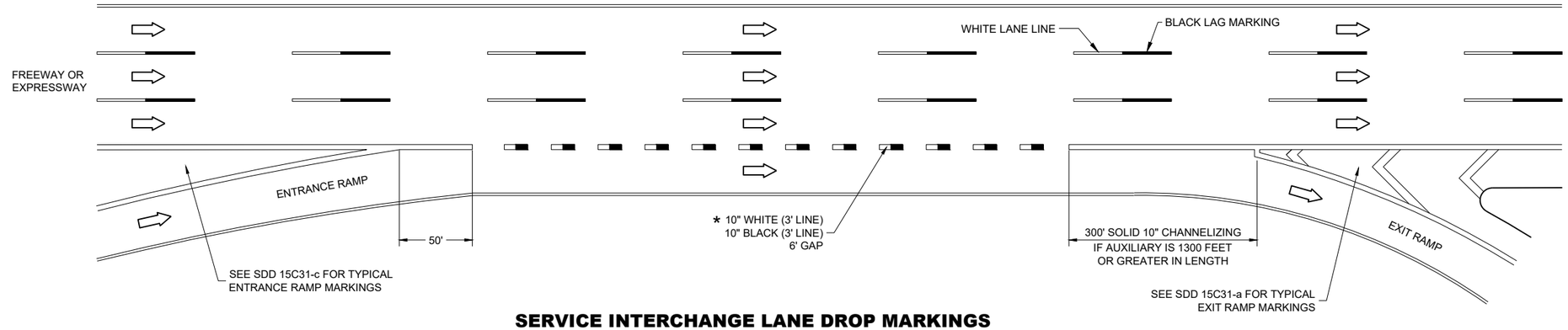
LEGEND

DIRECTION OF TRAVEL

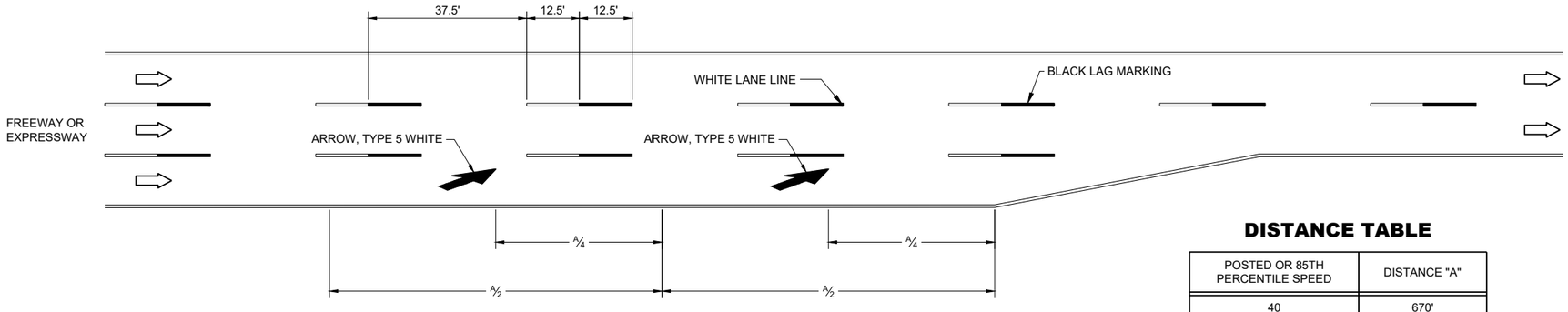
* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

GENERAL NOTES

PLACE GROOVE 3 INCHES LEFT OF JOINT.



SERVICE INTERCHANGE LANE DROP MARKINGS



LANE REDUCTION MARKINGS

DISTANCE TABLE

POSTED OR 85TH PERCENTILE SPEED	DISTANCE "A"
40	670'
45	775'
50	885'
55	990'
60	1100'
65	1200'
70	1250'

PAVEMENT MARKING, LANE DROP AND LANE REDUCTION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

September 2023
DATE

/S/ Matthew Rauch
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

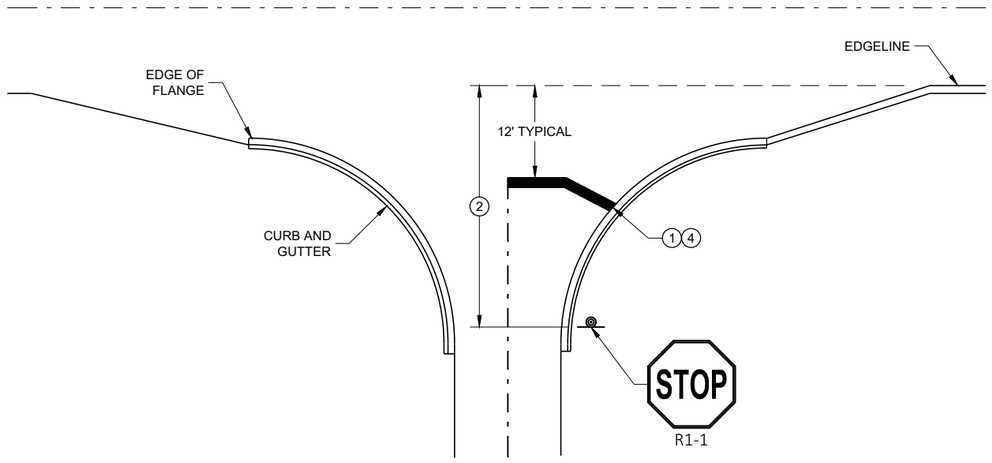
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SDD 15C31-06d

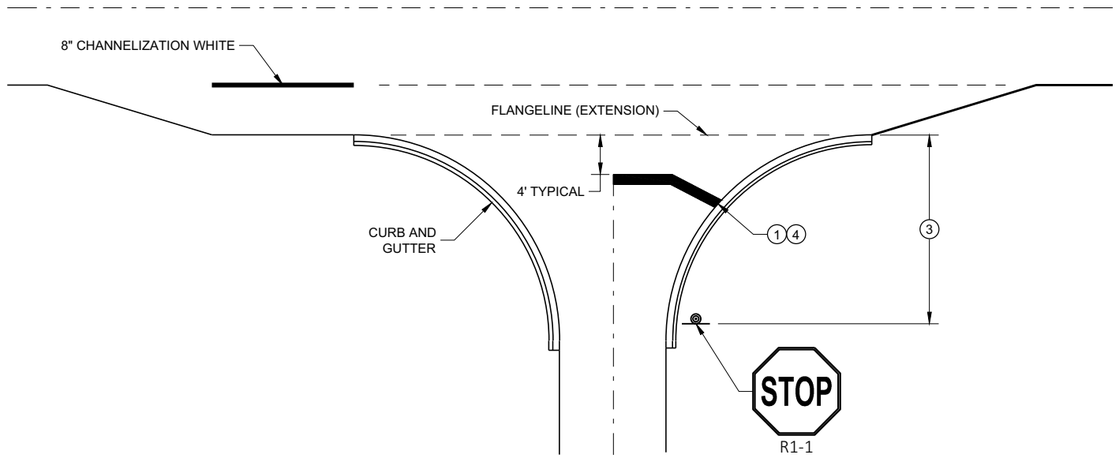
GENERAL NOTES

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

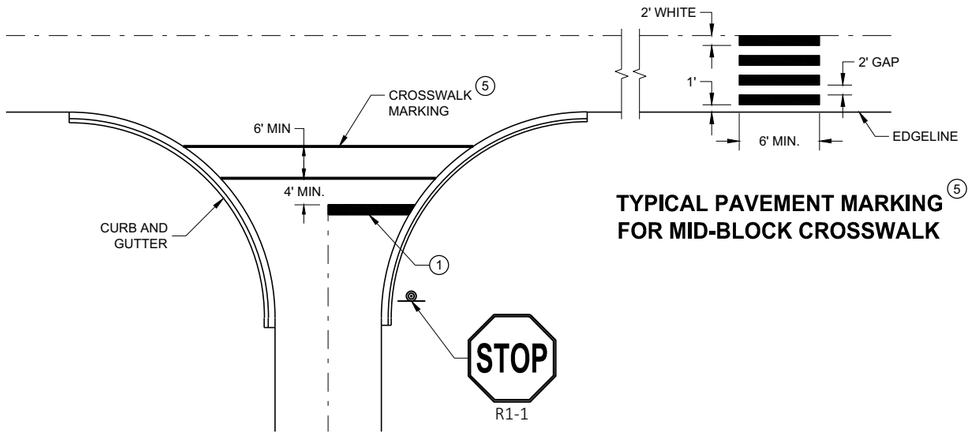
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES INSTEAD.



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

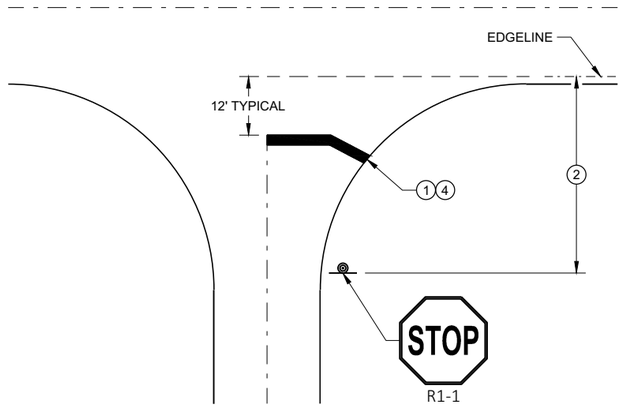


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MARKING ENGINEER

FHWA

6

SDD 15C33 - 04

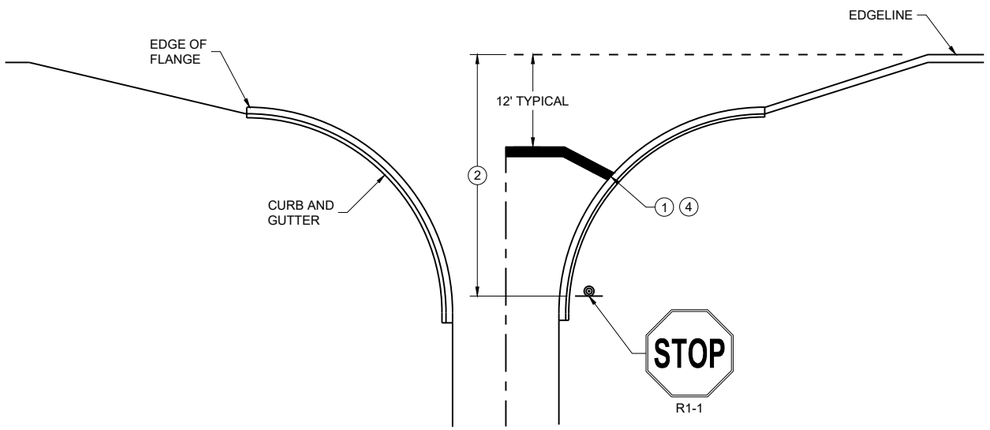
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SDD 15C33 - 04

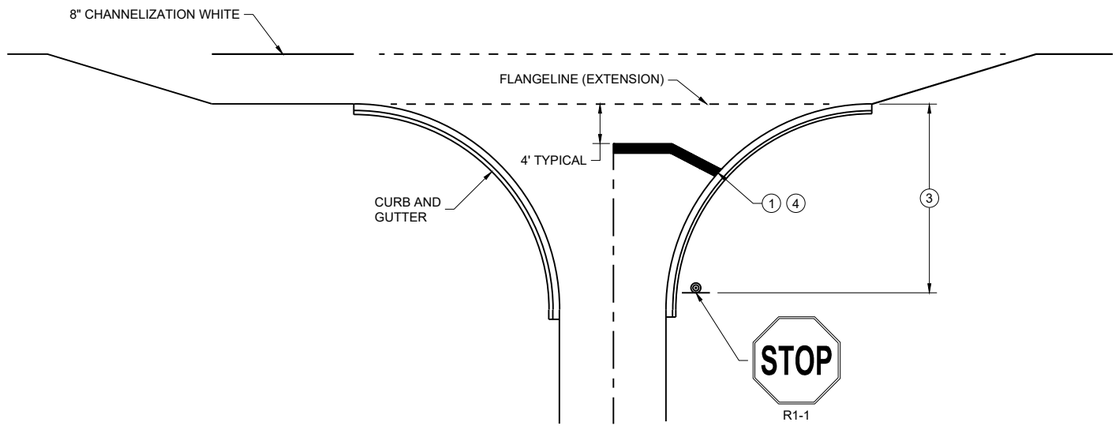
GENERAL NOTES

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

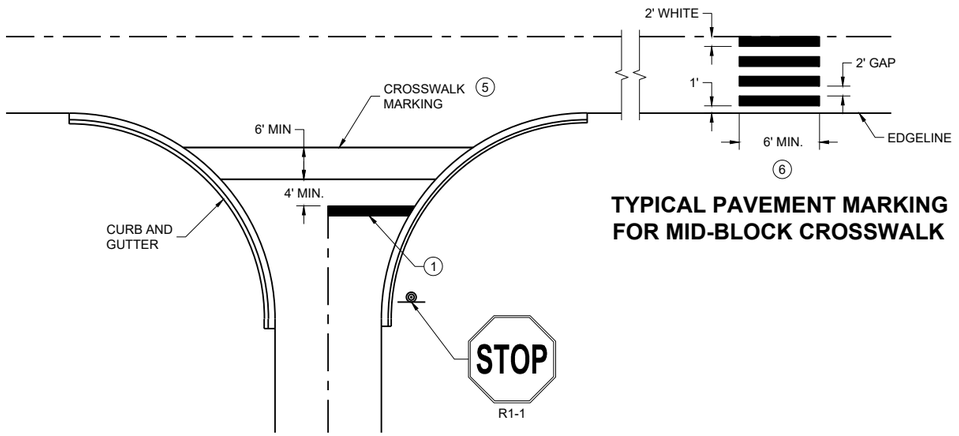
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGE LINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES.
6. POSTED SPEED LIMITS OF 40 MPH OR GREATER USE A MINIMUM WIDTH OF 8' FOR MIDBLOCK CROSSWALKS



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

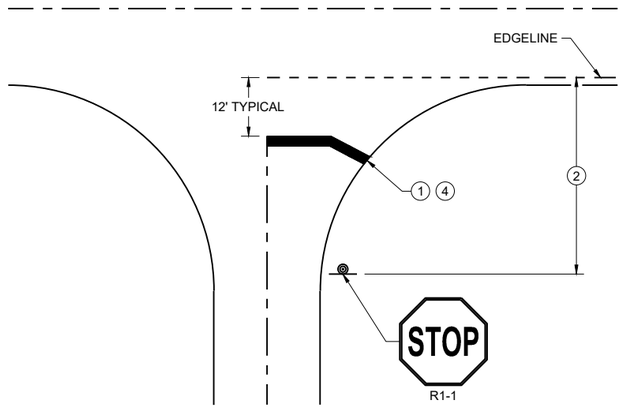


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK (5)

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2024 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

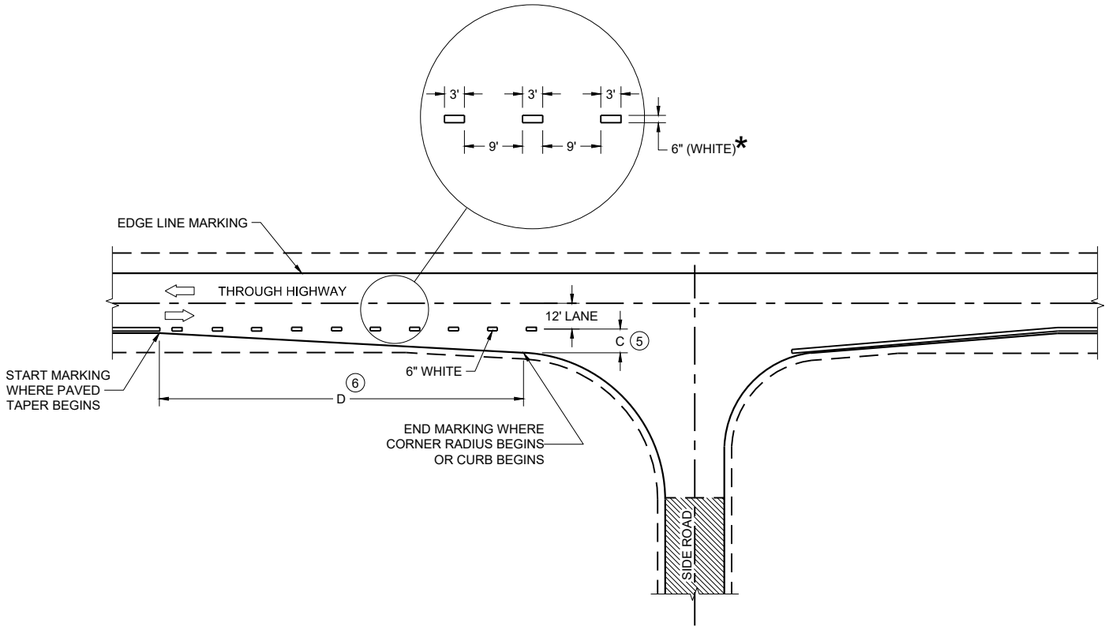
FHWA

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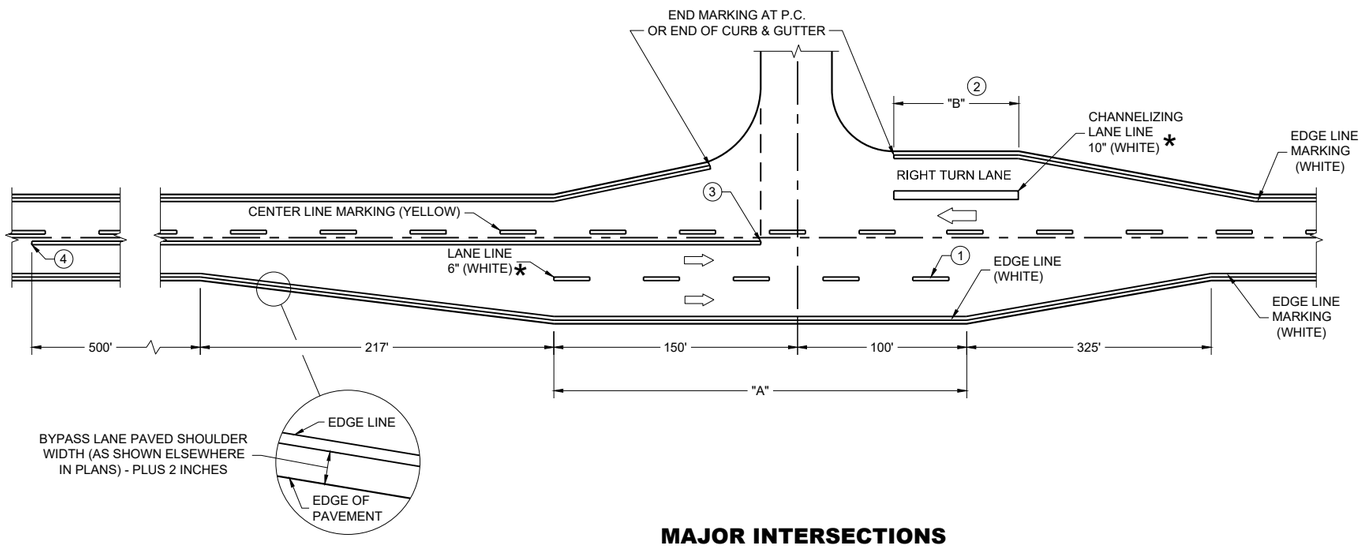
SDD 15C33-05

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SDD 15C33-05



MINOR INTERSECTION



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

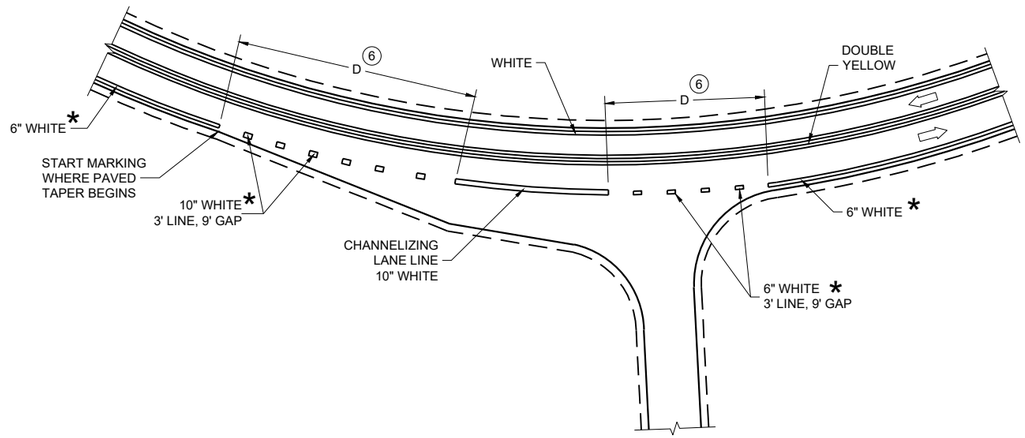
GENERAL NOTES

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

6
SDD 15C35-06a

GENERAL NOTES

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48" x 48" UNLESS OTHERWISE NOTED.

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED OR AS APPROVED BY THE ENGINEER.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

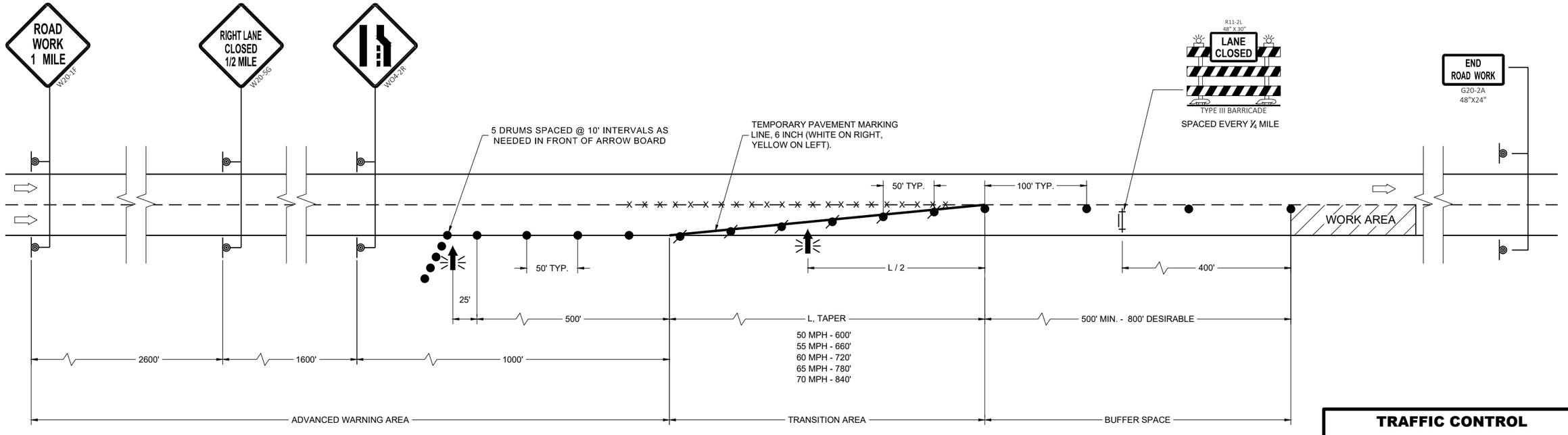
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD



TRAFFIC CONTROL LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2023
DATE

/S/ Andrew Heidtke
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

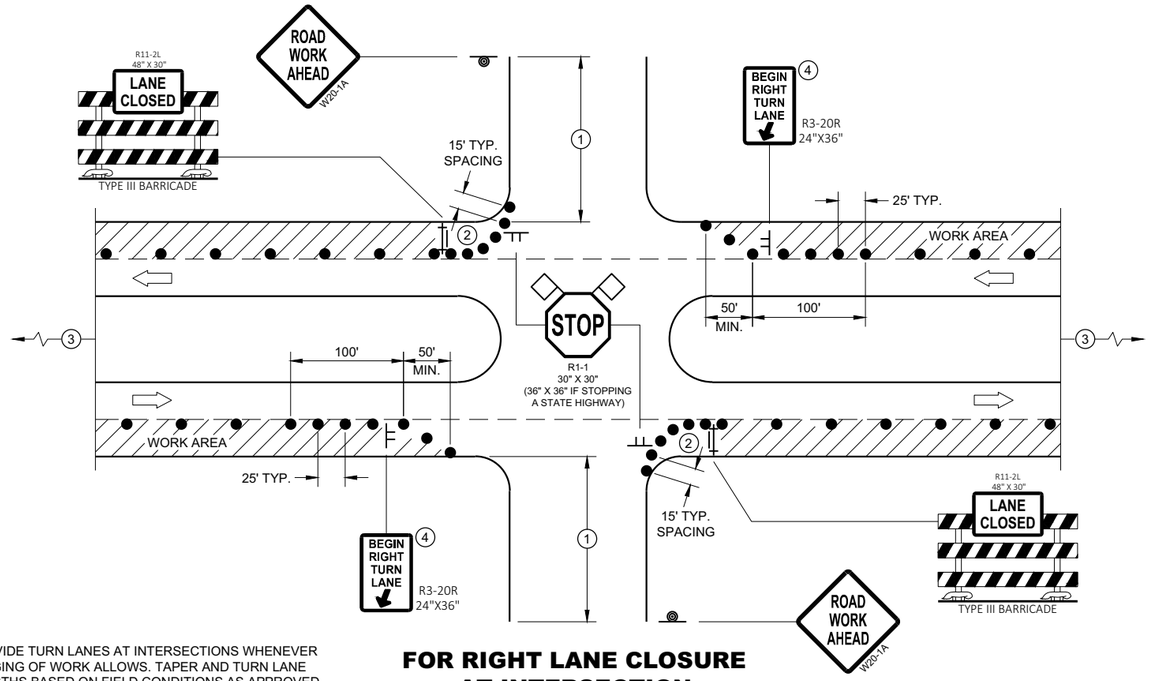
FHWA

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SDD 15D12-12a

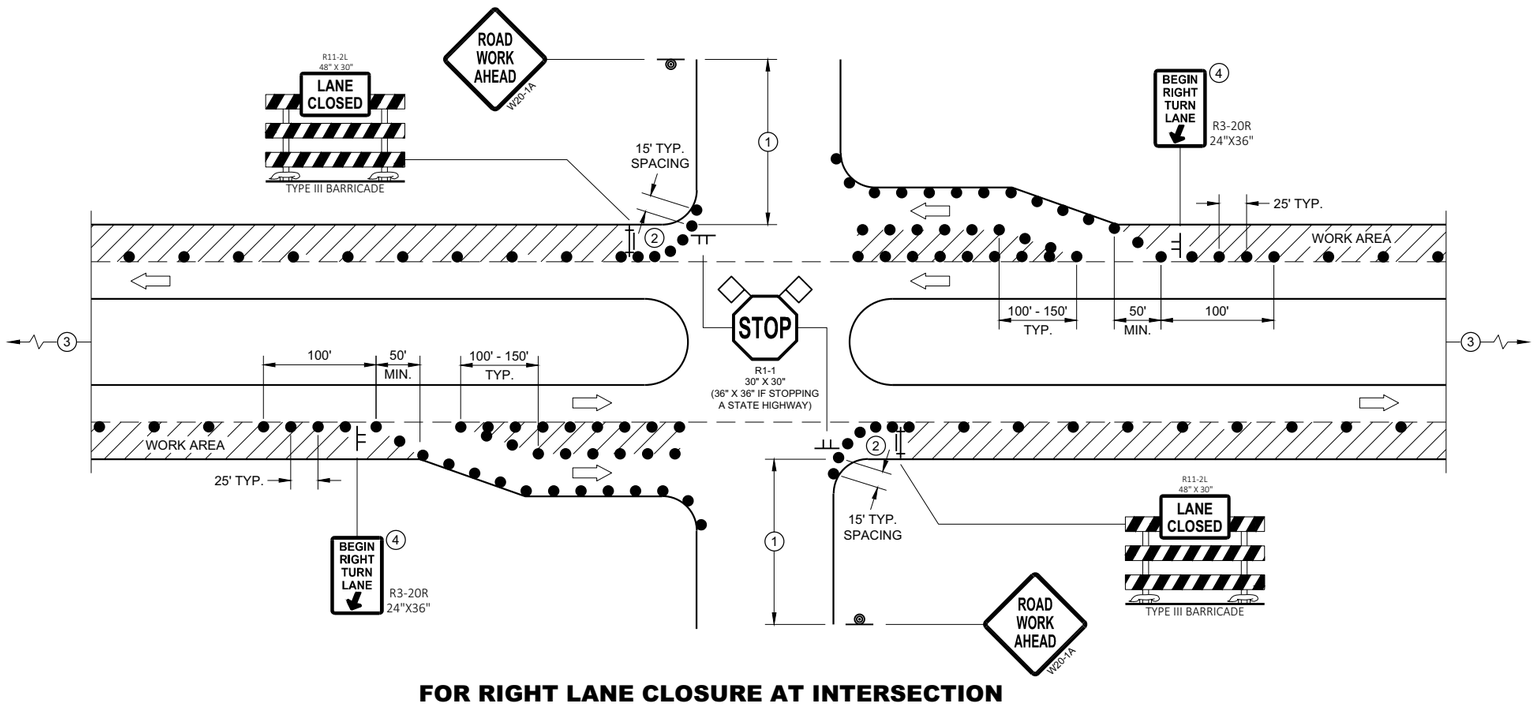
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SDD 15D12-12a



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

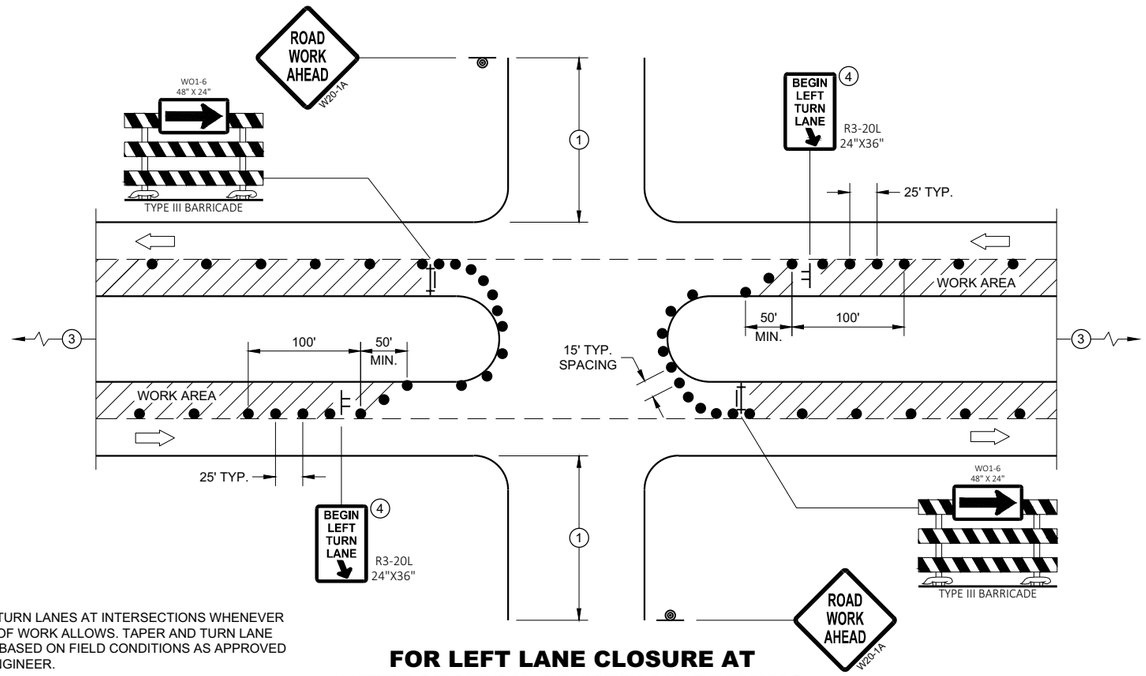
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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.

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SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

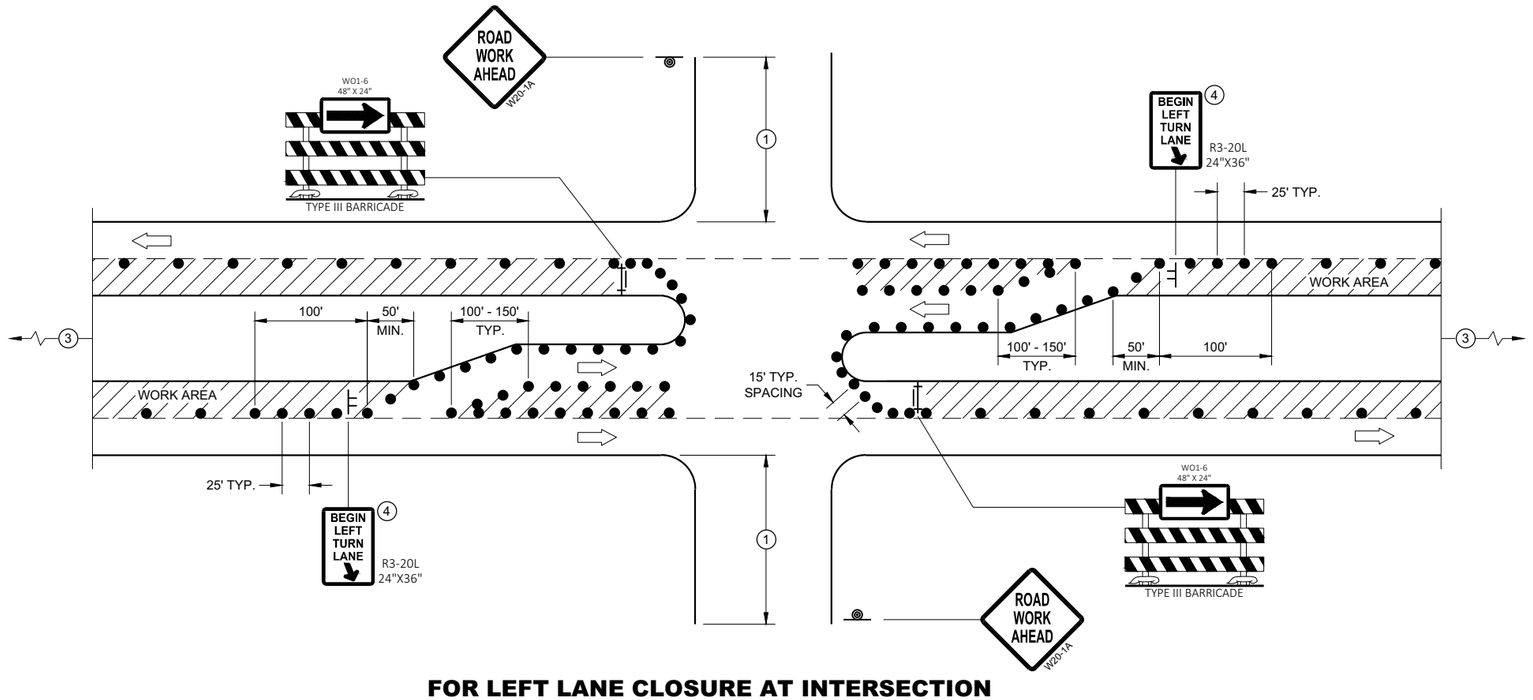
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

6

SDD 15D21 - 07b

6

SDD 15D21 - 07b

GENERAL NOTES

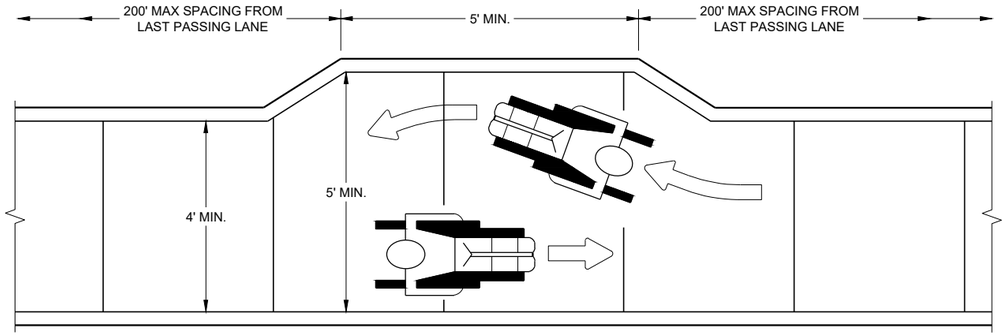
BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

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

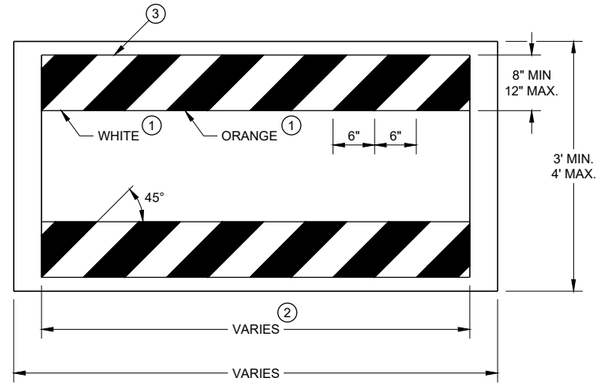
(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

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

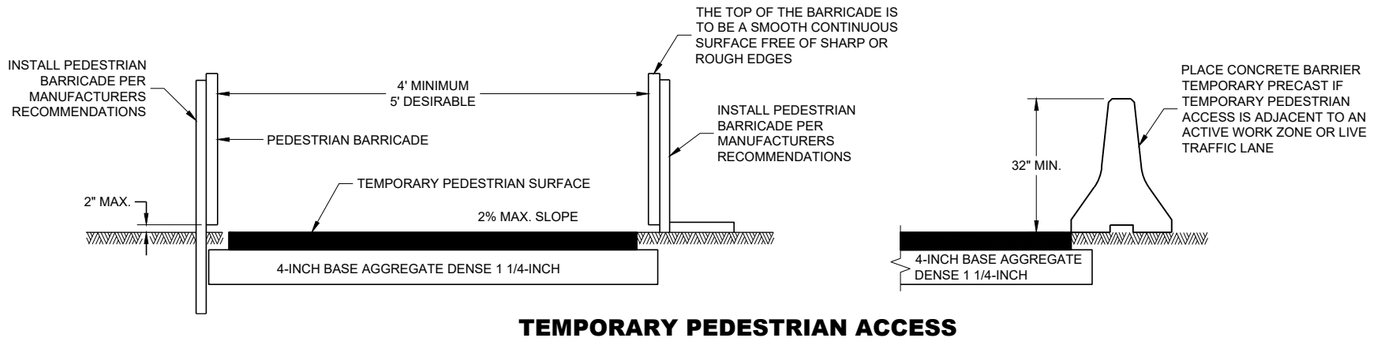
* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.



NARROW SIDEWALK PASSING DETAIL



TEMPORARY PEDESTRIAN BARRICADE*



TEMPORARY PEDESTRIAN ACCESS

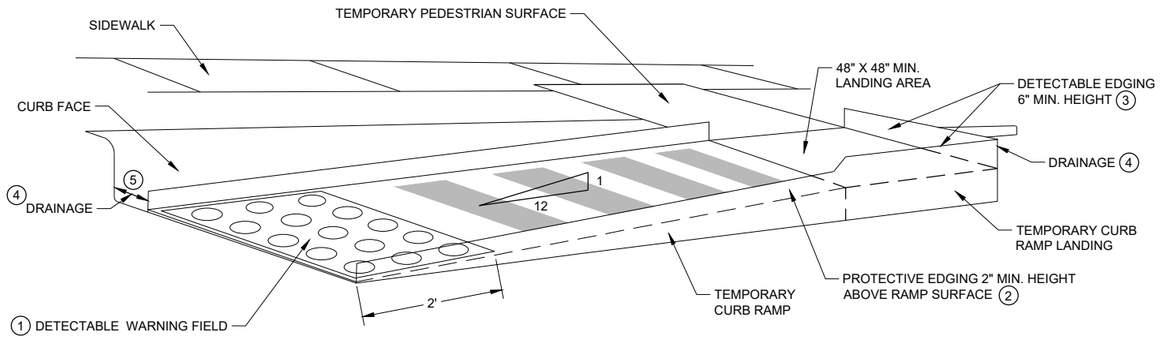
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SDD 15D30 - 09a

SDD 15D30 - 09a

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION



PERSPECTIVE VIEW

GENERAL NOTES

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

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

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

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

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

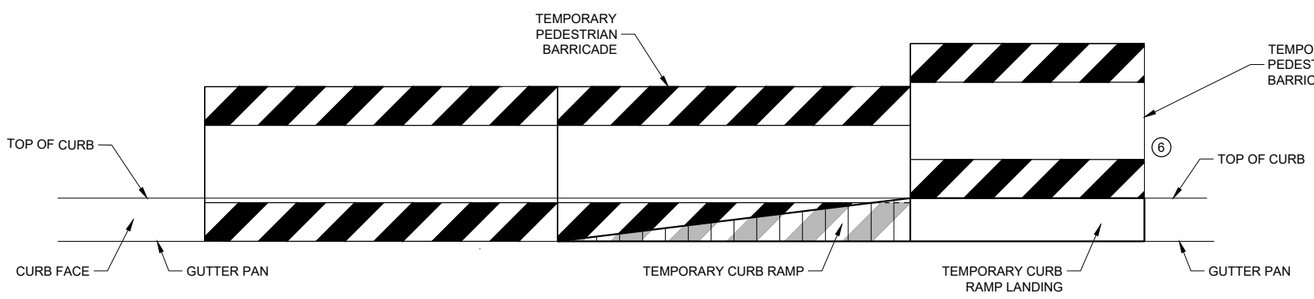
(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

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

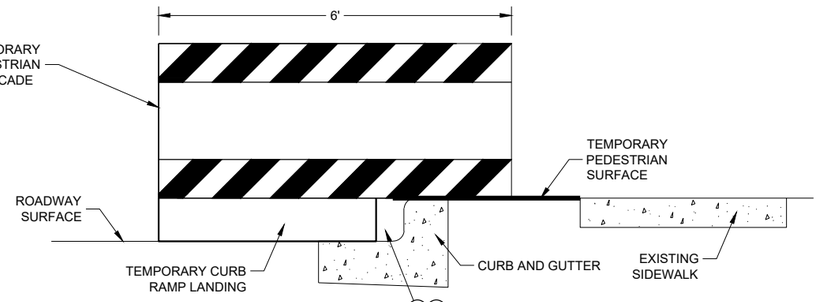
(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

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

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



FRONT VIEW



SIDE VIEW

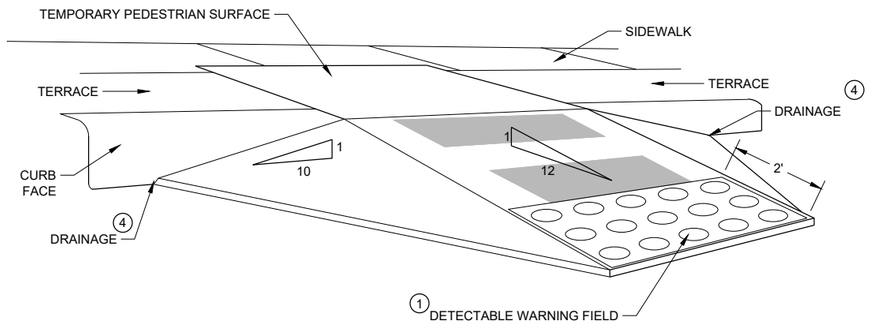
TEMPORARY CURB RAMP PARALLEL TO CURB

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

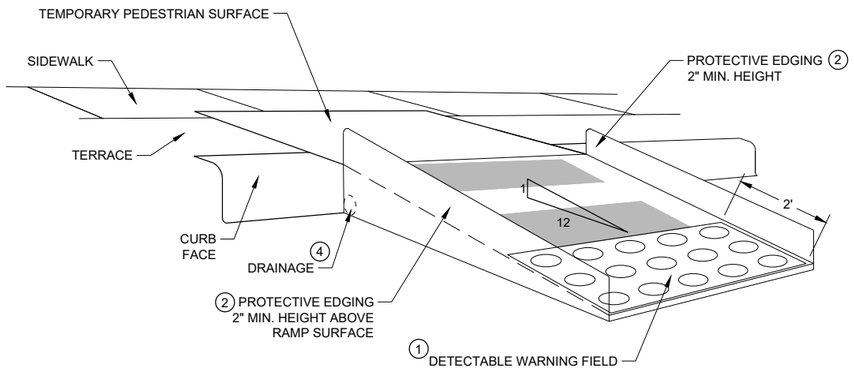
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 15D30 - 09b



WITH SIDE APRON (5)



WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

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

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

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

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

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

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

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

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

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

(5) CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.

GENERAL NOTES

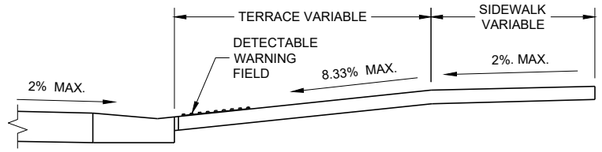
BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

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

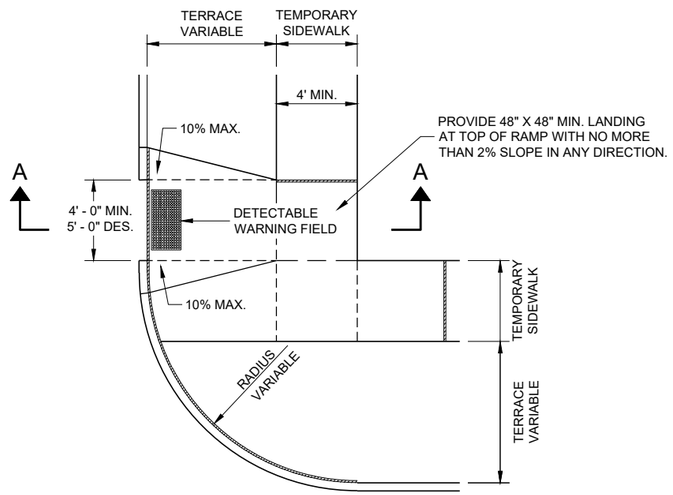
(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

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

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.



SECTION A - A



PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

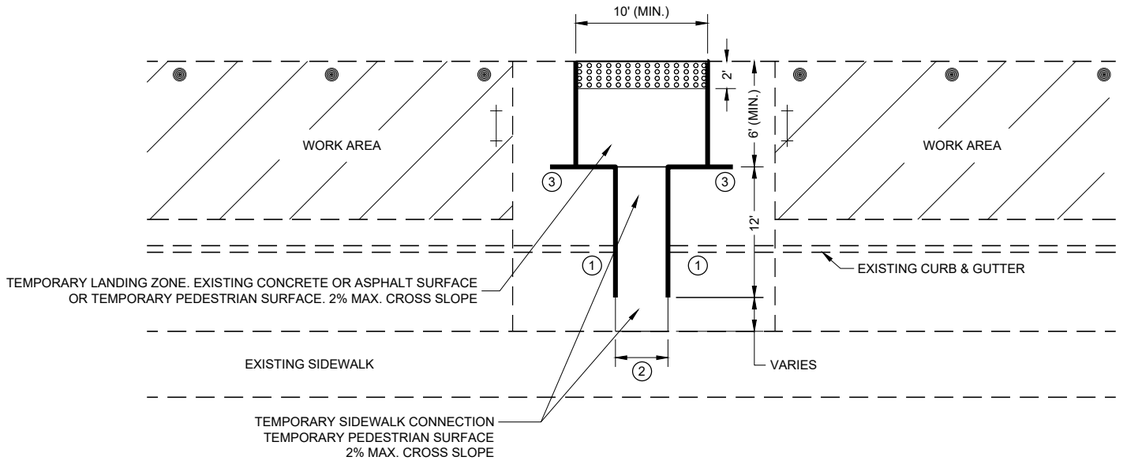
APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

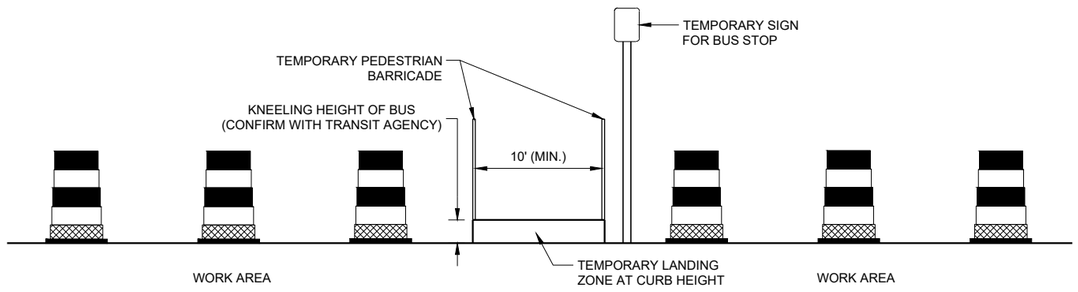
FHWA

6

SDD 15D30-09d



PLAN VIEW



PROFILE VIEW

TEMPORARY BUS STOP PAD

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

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

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

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

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

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

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

(2) 5' WIDE MIN. WITH TEMPORARY PEDESTRIAN BARRICADE, 10' WIDE MIN. WITHOUT TEMPORARY PEDESTRIAN BARRICADE.

(3) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE INTO THIS SPACE.

LEGEND

- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY DETECTABLE WARNING FIELD
- WORK AREA

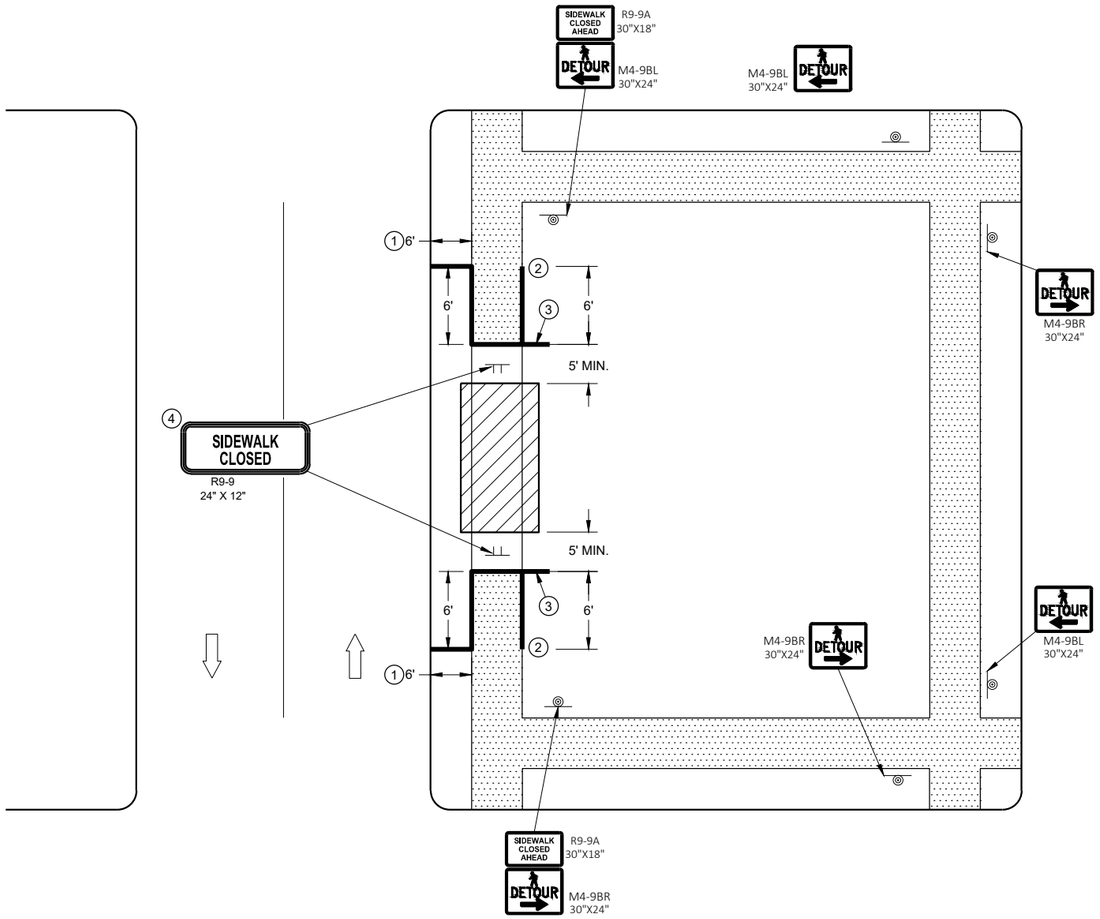
6

SDD 15D30 - 09e

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC



GENERAL NOTES

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

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

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

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING 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.

SIDEWALK DETOUR, SIDEWALK ONLY ON ONE SIDE

LEGEND

- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY PEDESTRIAN SURFACE
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

GENERAL NOTES

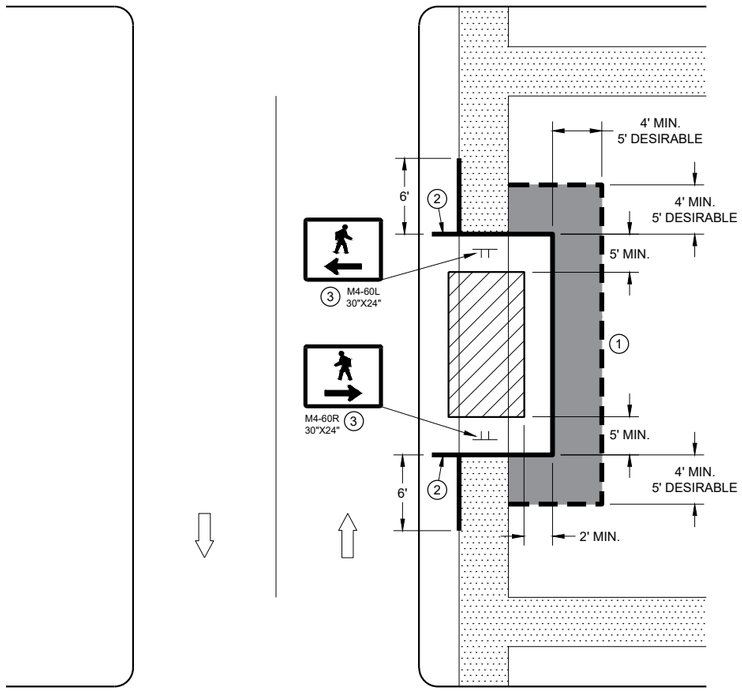
TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

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

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

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

1. USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
2. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
3. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.



SIDEWALK DIVERSION
SINGLE SIDE

6

SDD 15D30 - 09g

6

SDD15D30 - 09g

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

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.

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

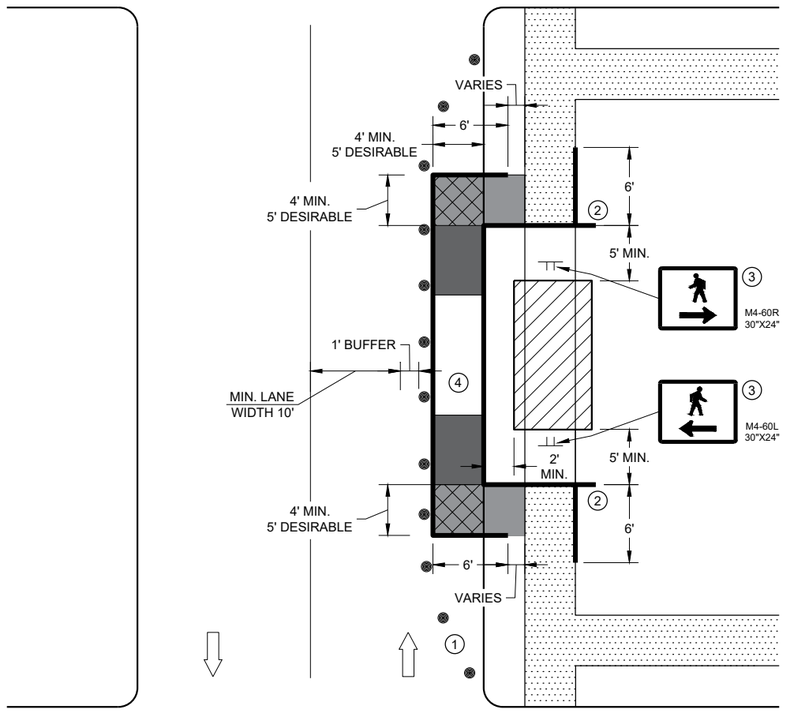
WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

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

(2) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL PAST THE SIDEWALK ON THE SIDE AWAY FROM THE ROAD.

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

(4) USE EXISTING PAVEMENT SURFACE. IF EXISTING PAVEMENT SURACE HAS BEEN REMOVED, USE A TEMPORARY PEDESTRIAN SURFACE.



SIDEWALK DIVERSION, SINGLE SIDE

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

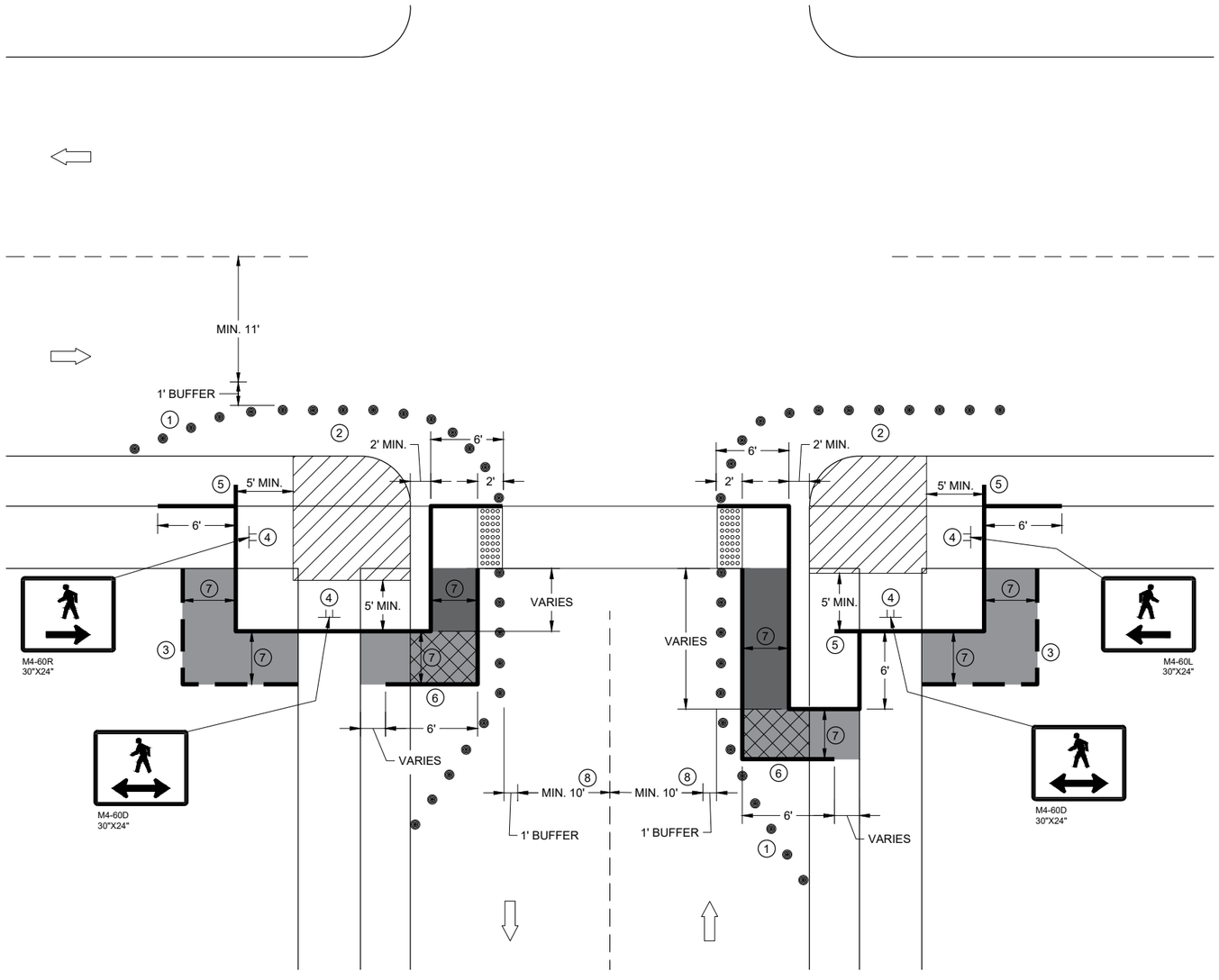
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30 - 09h

6

SDD 15D30 - 09h



CURB RAMP PEDESTRIAN TRAFFIC CONTROL
SIDEWALK ON SINGLE SIDE

GENERAL NOTES

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

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

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

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

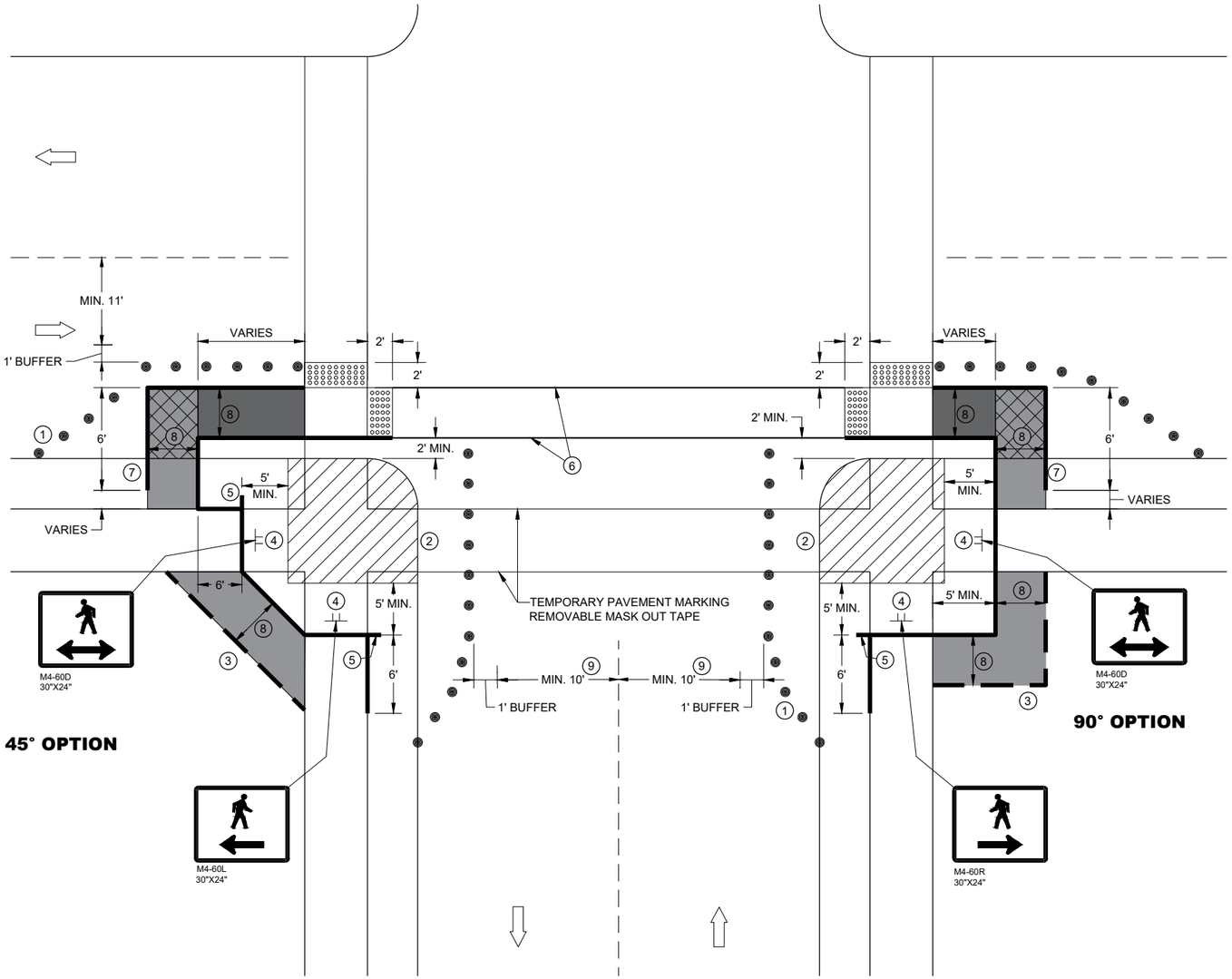
1. SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.
2. PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS
3. USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
4. MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE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

LEGEND

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

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

6
SDD 15D30 - 09i



CURB RAMP PEDESTRIAN TRAFFIC CONTROL

GENERAL NOTES

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

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

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

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

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

LEGEND

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

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

SDD 15D30 - 09j

6

LEGEND

SIGN ON PERMANENT SUPPORT

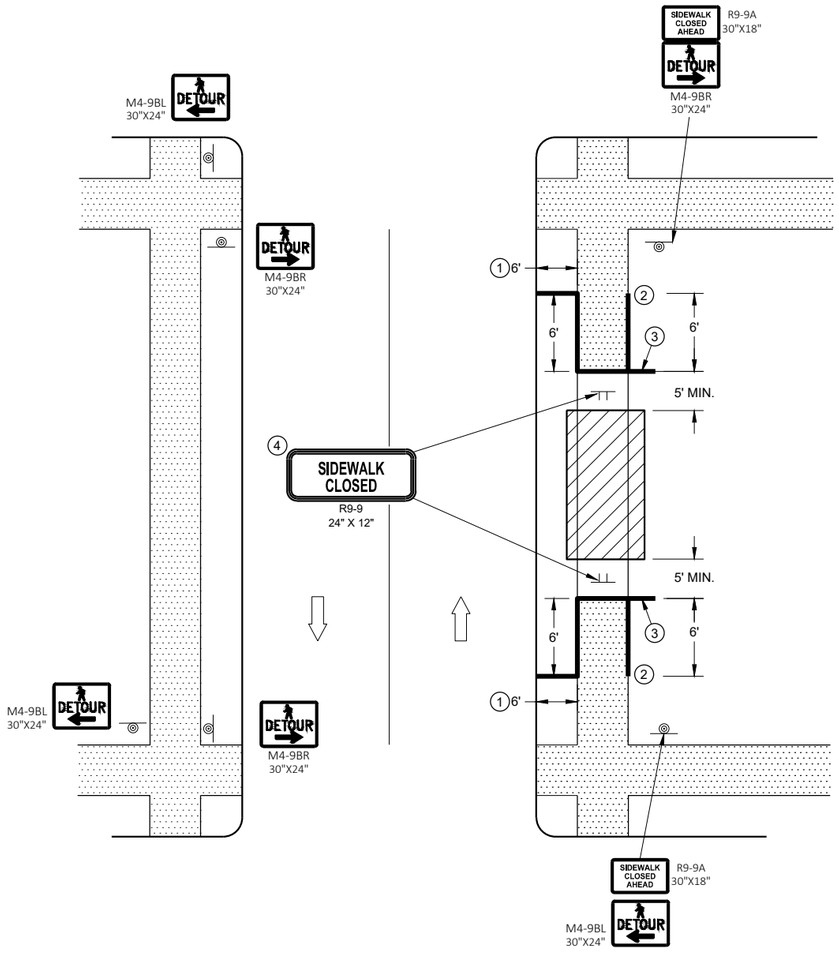
SIGN ON TEMPORARY SUPPORT

UNDER PEDESTRIAN TRAFFIC

WORK AREA

TEMPORARY PEDESTRIAN BARRICADE

DIRECTION OF TRAFFIC



SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES

GENERAL NOTES

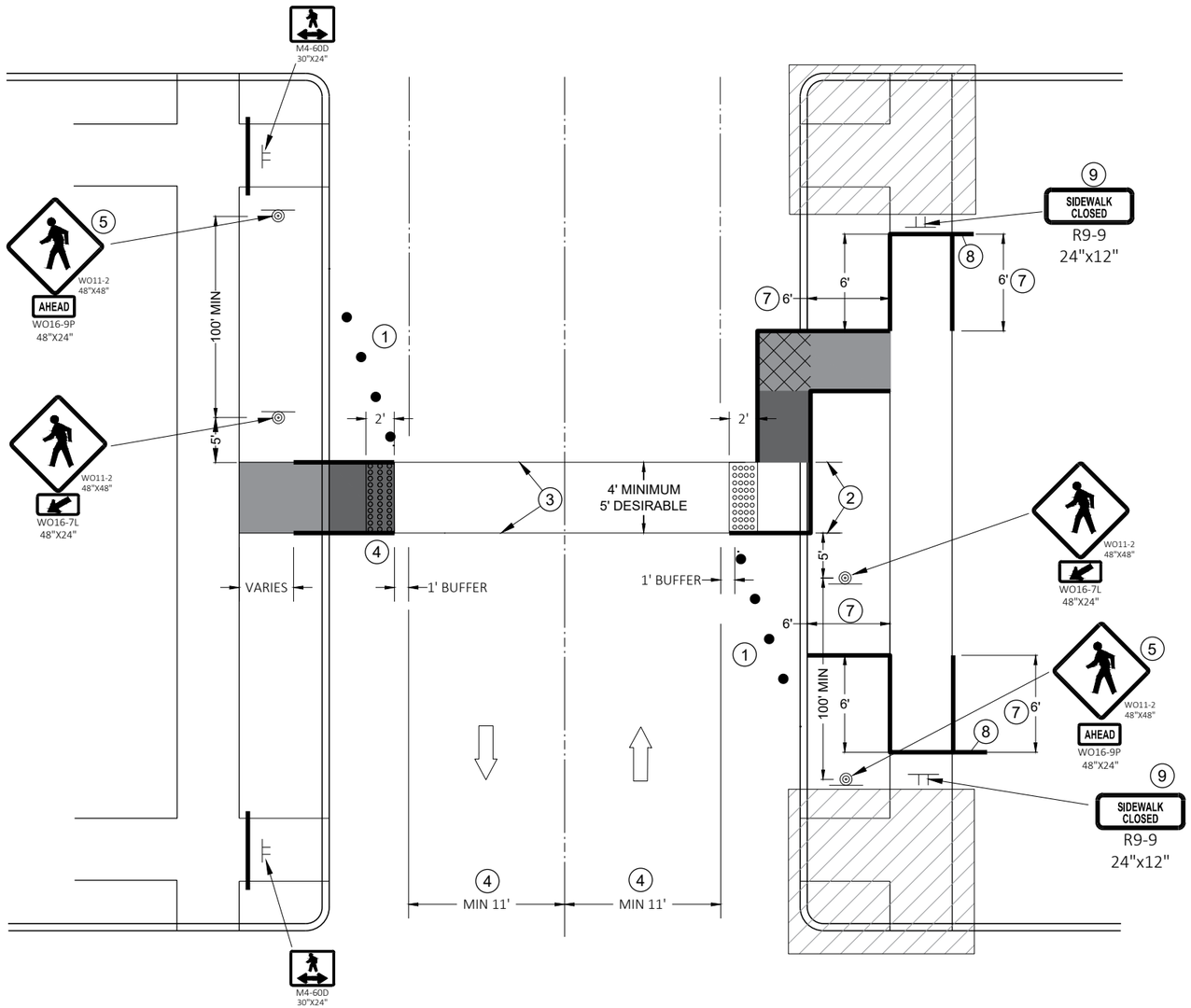
SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

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

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

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

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



TEMPORARY PEDESTRIAN CROSSING

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

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

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

1. SHOULDER OR LANE CLOSURE ADVANCED WARNING AND PROPER BUFFER SPACE REQUIRED.
2. 4 FEET MINIMUM, 5 FEET DESIRABLE.
3. WHITE 6" TEMPORARY PAVEMENT MARKING.
4. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, PERPENDICULAR CURB RAMPS MAY NEED TO BE UTILIZED.
5. IF MINIMUM 100' SPACING FROM THE MID-BLOCK CROSSING CANNOT BE ATTAINED BEFORE THE INTERSECTION, REMOVE THIS SIGN ASSEMBLY.
6. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
7. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
8. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF THE EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
9. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF THE SIGN.

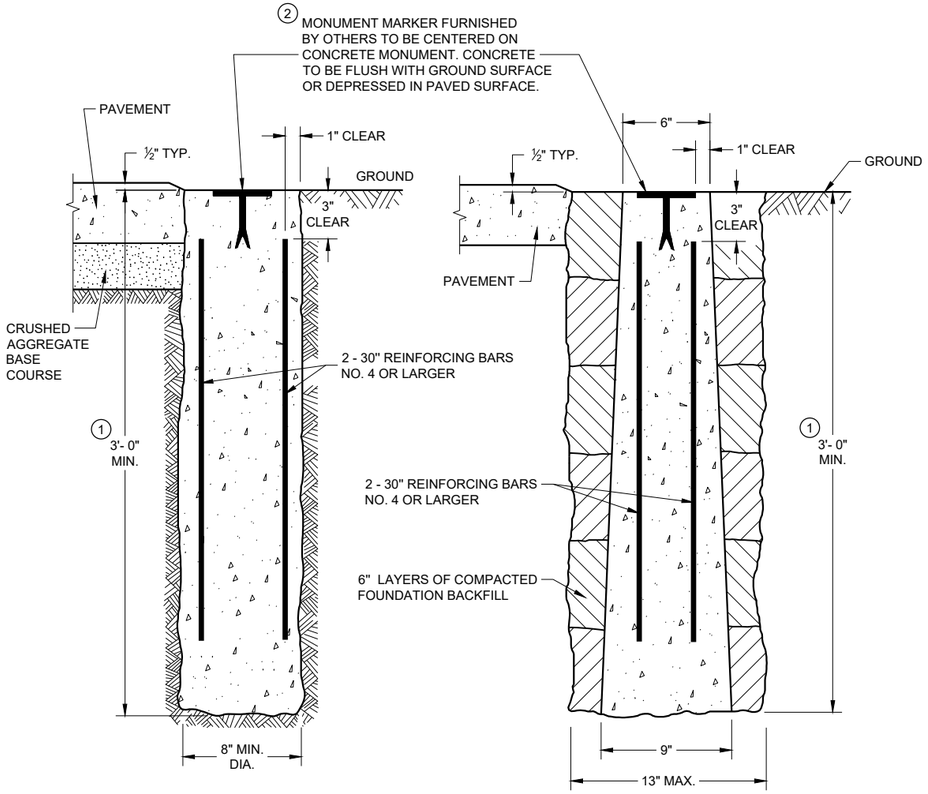
LEGEND

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

6

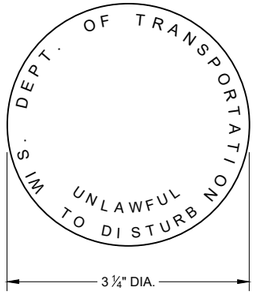
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

SDD 15D30 - 09L



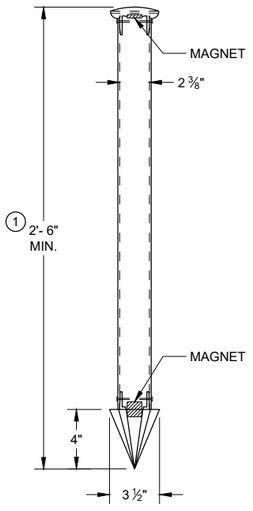
CAST-IN-PLACE **PRECAST**

CONCRETE MONUMENTS
TYPE A

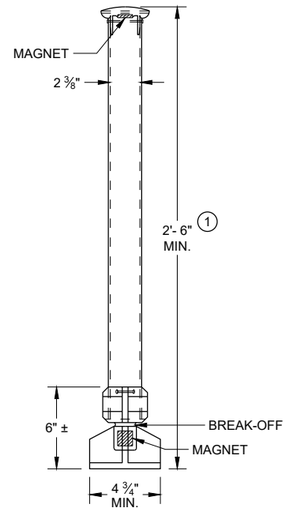


② **WIS DOT MONUMENT MARKER LOGO**

FOR TYPES "A", "C" & "D"

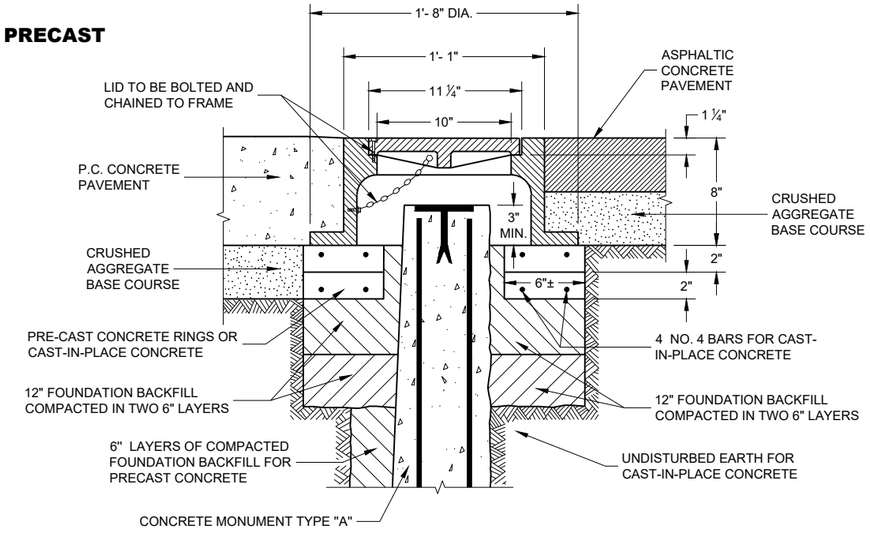


TYPE C DRIVEN MONUMENT



TYPE D NON-DRIVEN BREAK-OFF MONUMENT

ALUMINUM MONUMENTS
(INCLUDES MARKER)



CAST IRON MONUMENT COVER
(APPROXIMATE WEIGHT 95 LBS)

GENERAL NOTES

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

DETAILED DRAWINGS OF PROPOSED ALTERNATE DESIGNS FOR METAL MONUMENTS OR MONUMENT COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

PERMANENT MAGNETS SHALL BE INSERTED NEAR THE TOP AND BOTTOM OF ALL ALUMINUM MONUMENTS SO THE MONUMENT CAN EASILY BE DETECTED BY A METAL DETECTOR.

THE CAST IRON MONUMENT COVER SHALL BE A "NON-ROCKING" TYPE. ADJUSTMENT OF THE COVER TO GRADE MAY BE ACCOMPLISHED BY THE USE OF MORTAR AND BRICK, OR BY EITHER PRECAST OR CAST-IN-PLACE REINFORCED CONCRETE GRADE RINGS.

MONUMENTS SHALL BE LOCATED AND PLACED AT THE DIRECTION OF THE ENGINEER.

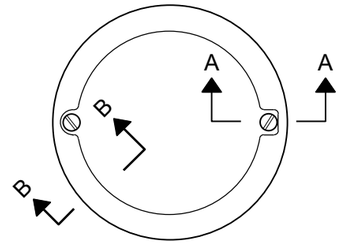
ALUMINUM MONUMENTS AND MONUMENT COVERS SHALL BE MADE FROM AN ALUMINUM AND MAGNESIUM ALLOY AS DETERMINED BY THE MANUFACTURER.

THE MONUMENT COVERS DETAILED ON THIS DRAWING ARE NOT EQUAL ALTERNATES. MONUMENT COVERS SHALL BE CAST IRON UNLESS ALUMINUM IS SPECIFIED ELSEWHERE IN THE CONTRACT.

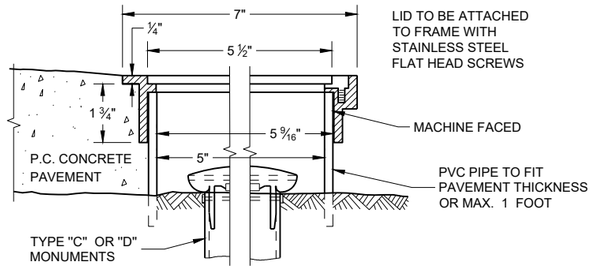
MONUMENT SHALL BE CAST-IN-PLACE CONCRETE UNLESS PRECAST CONCRETE OR ALUMINUM MONUMENTS ARE SPECIFIED IN THE CONTRACT OR PERMITTED BY THE ENGINEER.

① MINIMUM LENGTH SHALL BE 4'-0" FOR MONUMENTS INSTALLED IN PAVED AREAS.

② AN OFFICIAL COUNTY MONUMENT MARKER SUPPLIED BY A COUNTY MAY BE REQUIRED FOR SOME SECTION CORNERS AND WITNESS MONUMENTS INSTEAD OF THIS WISDOT MARKER.



TOP VIEW



SECTION B-B **SECTION A-A**

ALUMINUM MONUMENT COVER
(APPROXIMATE WEIGHT 2 LBS)
(FOR CONCRETE PAVEMENT ONLY)

LANDMARK REFERENCE MONUMENTS AND COVERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE

/S/ Raymond A. Kumapayii
CHIEF SURVEYING AND MAPPING ENGINEER

FHWA

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SDD 16A01 - 07



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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN	SHEET 467	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050201-pn

PLOT DATE : 6/27/2024 7:48 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

MATCHLINE 22+00A

MATCHLINE 117+00

STH 100

STH 36

PUETZ ROAD

END RESURFACING
BEGIN PAVEMENT REPLACEMENT
STA. 125+51.00

BEGIN RESURFACING
STA. 16+01.03 A

END RESURFACING
STA. 27+00.00 A

MATCHLINE 22+00A

N

LEGEND

1. AT&T WISCONSIN
2. CITY OF FRANKLIN - SEWER
3. FRANKLIN WATER UTILITY
4. WAUKESHA WATER UTILITY - FIBER
5. MIDWEST FIBER NETWORK
6. MILWAUKEE METROPOLITAN SEWERAGE DISTRICT
7. SPECTRUM
8. WAUKESHA WATER UTILITY
9. WE ENERGIES - ELECTRICITY
10. WE ENERGIES - GAS
11. CITY OF FRANKLIN - FIBER

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PLAN	SHEET 468 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050202-pn

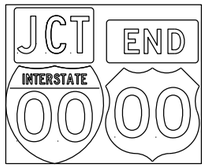
PLOT DATE : 6/27/2024 7:48 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

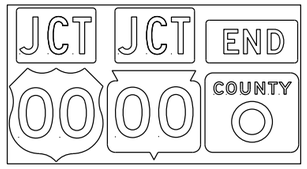
TYPICAL ASSEMBLIES



J1-1



J1-2



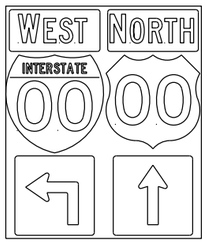
J1-3



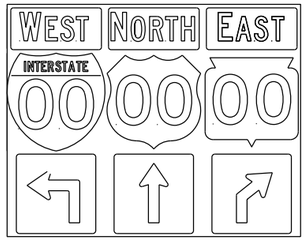
JR1-1



J2-1



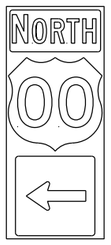
J2-2



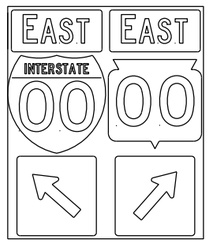
J2-3



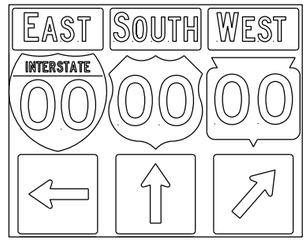
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



J3-1



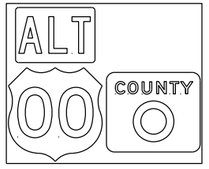
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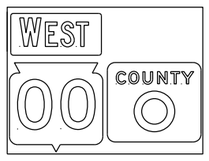
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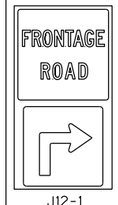
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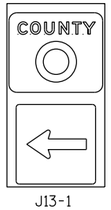
J4-2



J4-2



J12-1



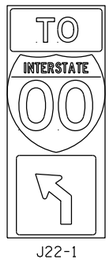
J13-1



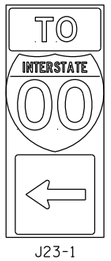
J32-1



J33-1



J22-1



J23-1



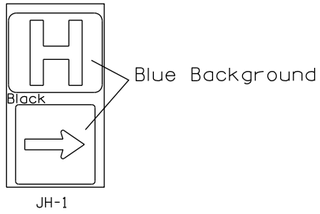
JR13-1



JR23-1



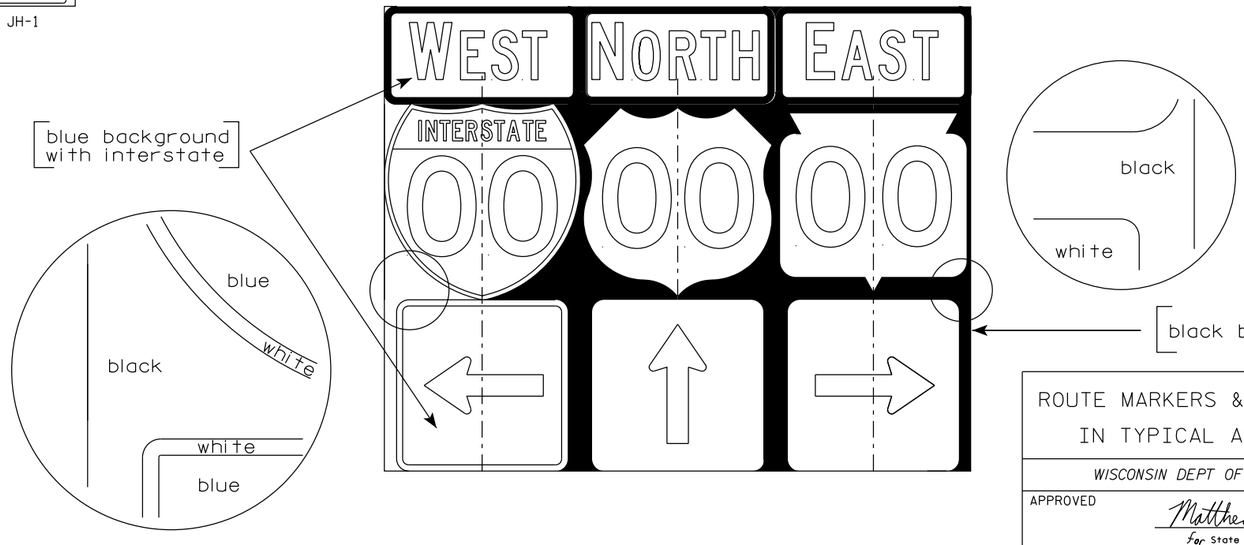
JR99-1



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

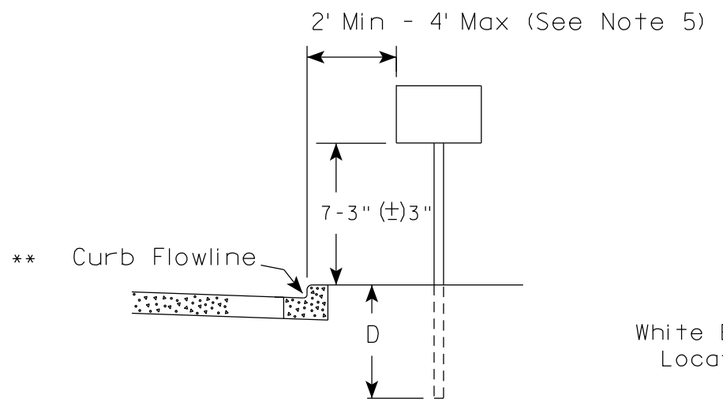
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/23 PLATE NO. A2-1S.10

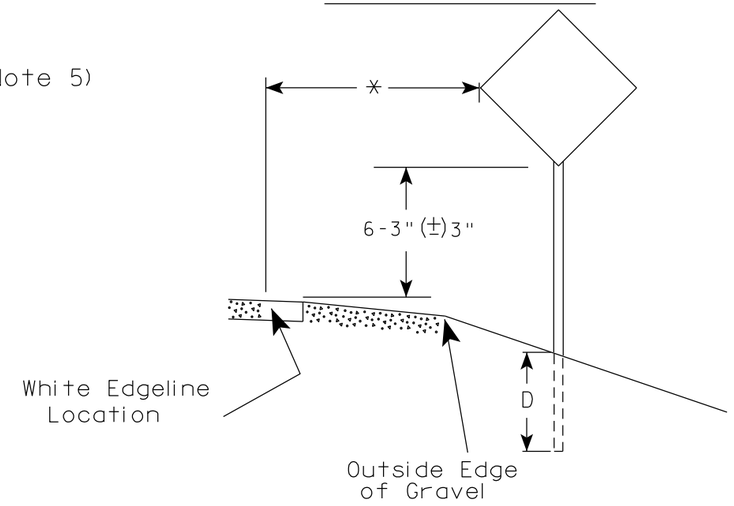
PROJECT NO:

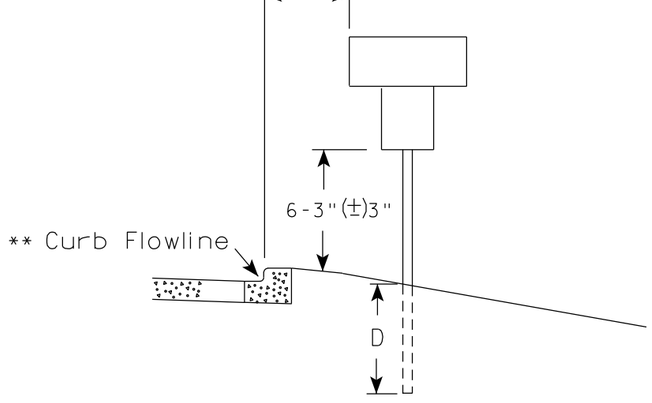
SHEET NO: 469 E

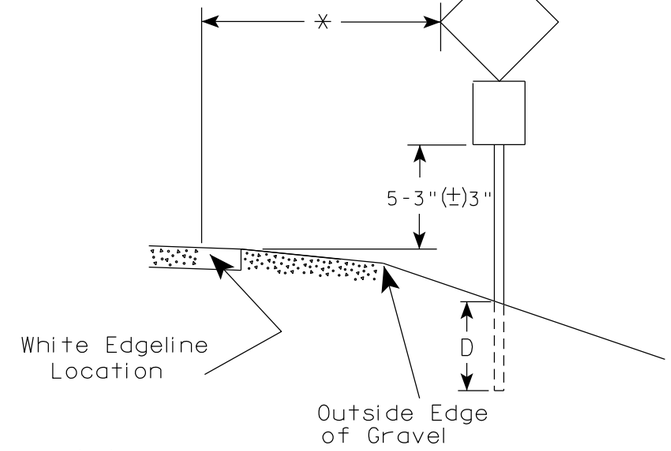
URBAN AREA



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.

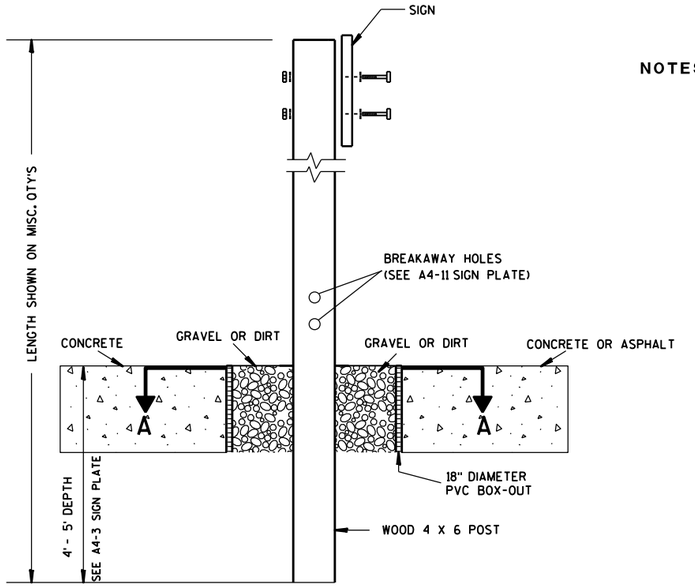
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

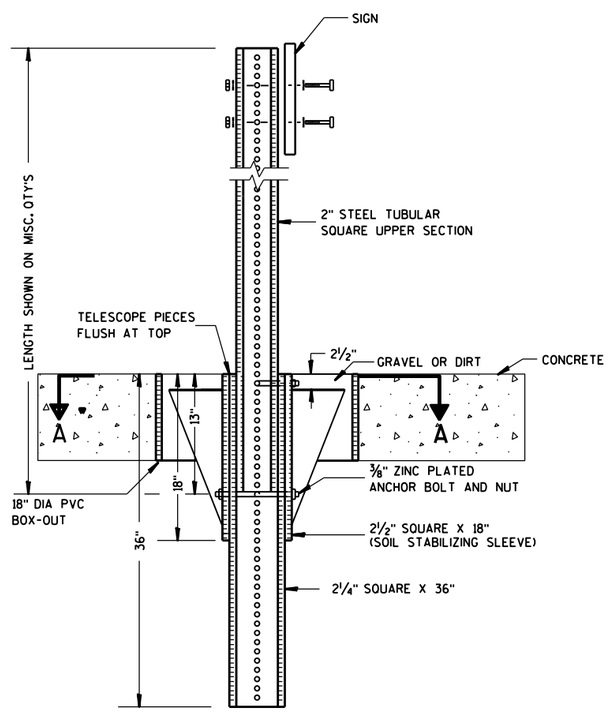
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 470	E



ELEVATION VIEW

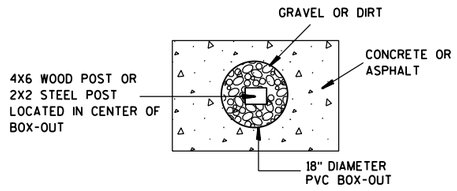
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

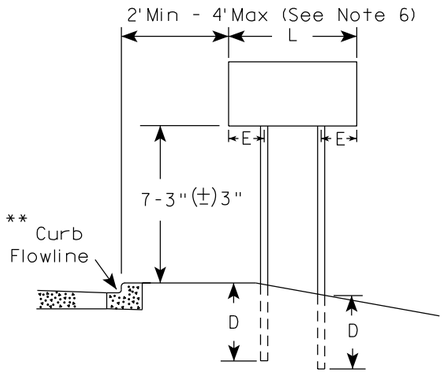
APPROVED Matthew R Rauch
for State Traffic Engineer

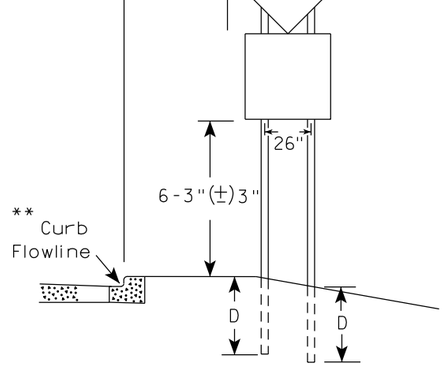
DATE 1/27/14 PLATE NO. A4-3B.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

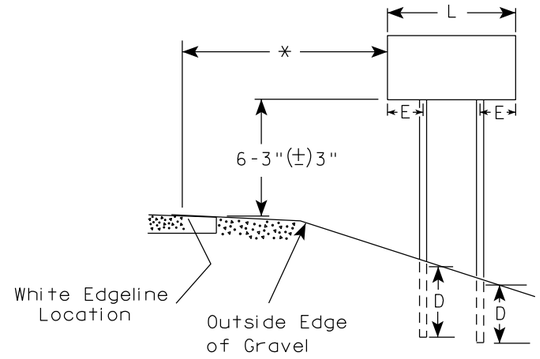
URBAN AREA

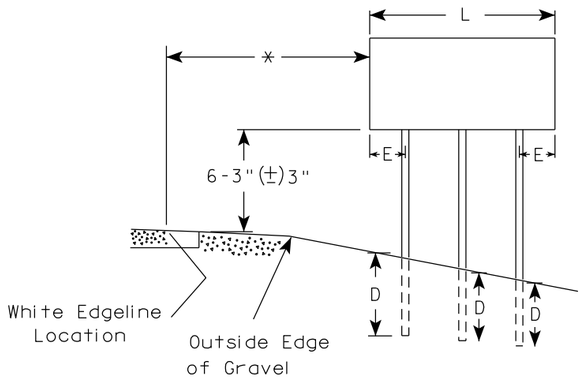


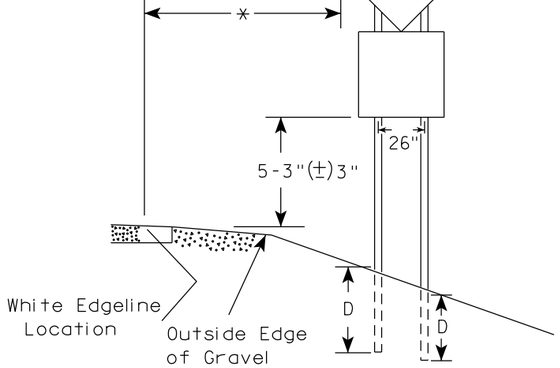


48" DIAMOND WARNING SIGN

RURAL AREA (See Note 3)







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'

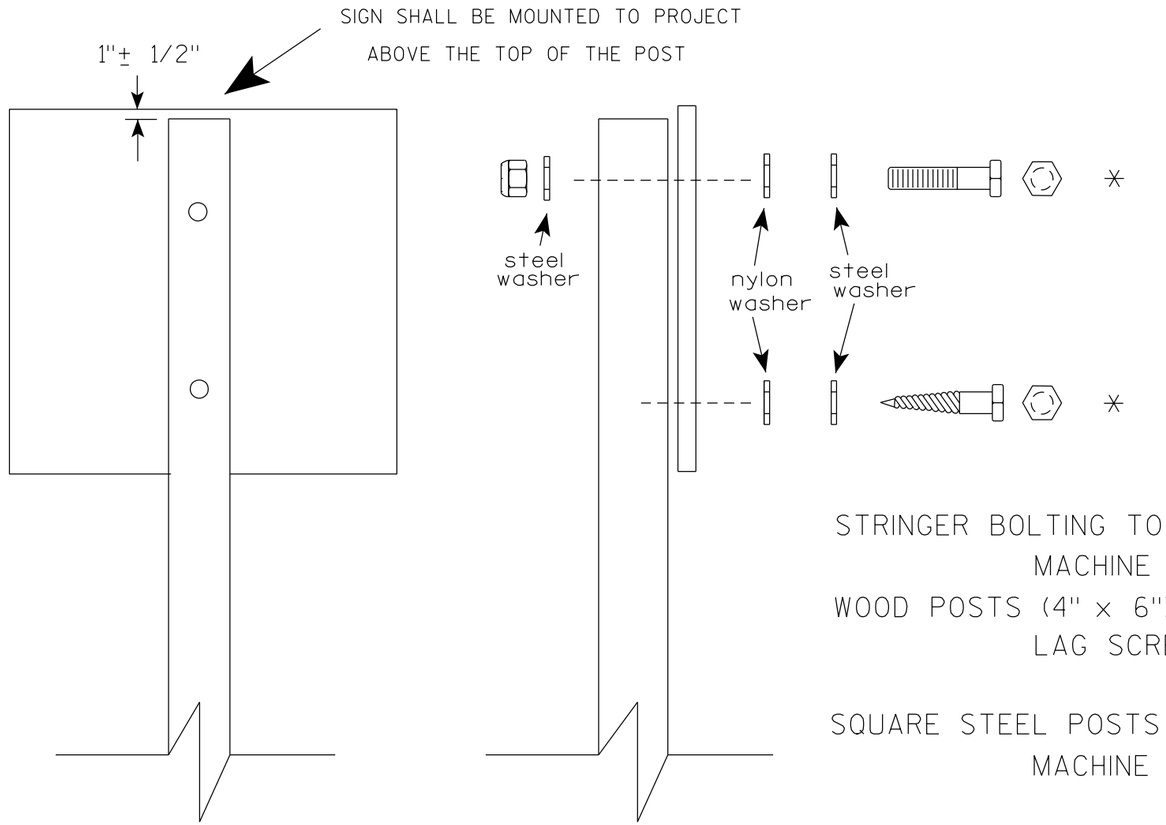
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

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: 472	E



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

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

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

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

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

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

WOOD POSTS (4" x 6")

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

SQUARE STEEL POSTS (2" x 2")

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

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

WASHERS (ALL POSTS) -

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

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

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:

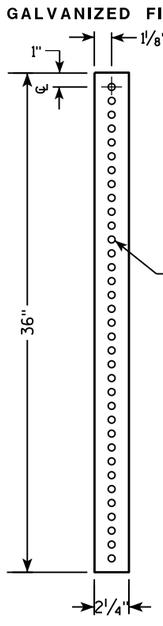
SHEET NO: 473 E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 01-APRIL-2020 PLOT BY : dotc4c

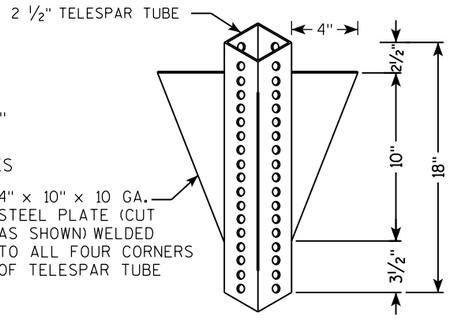
WISDOT/CADDS SHEET 42

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

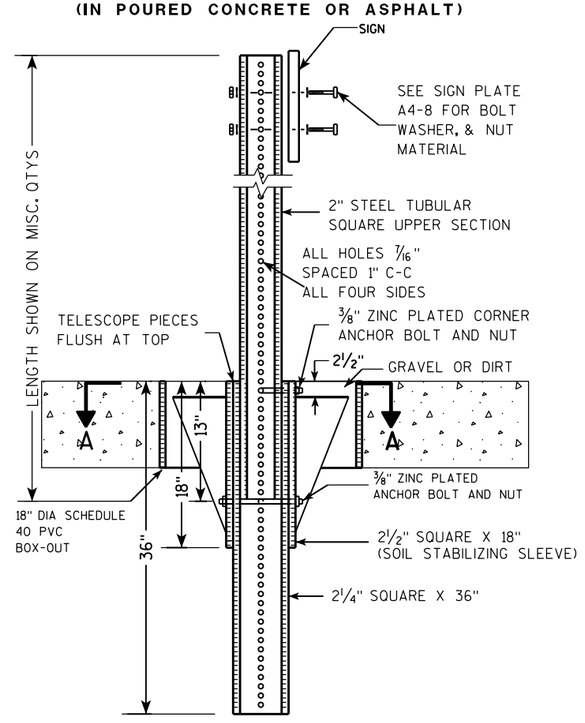
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



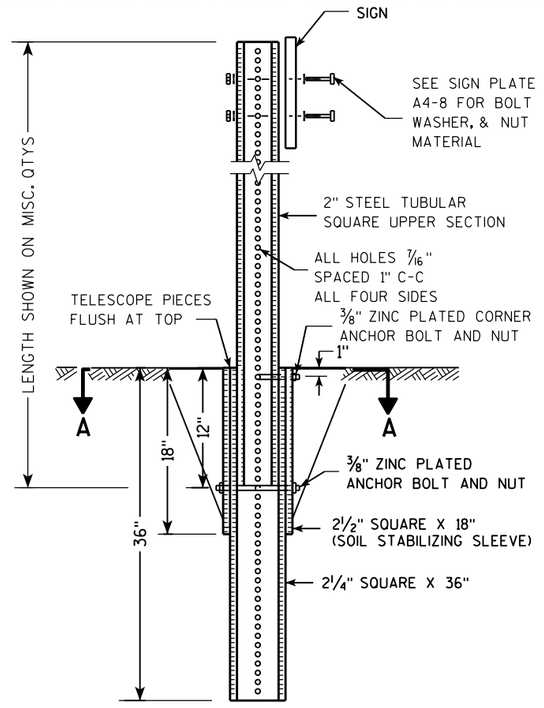
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

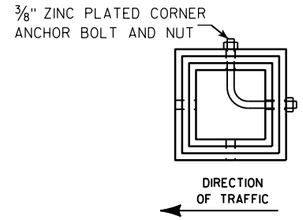


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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).

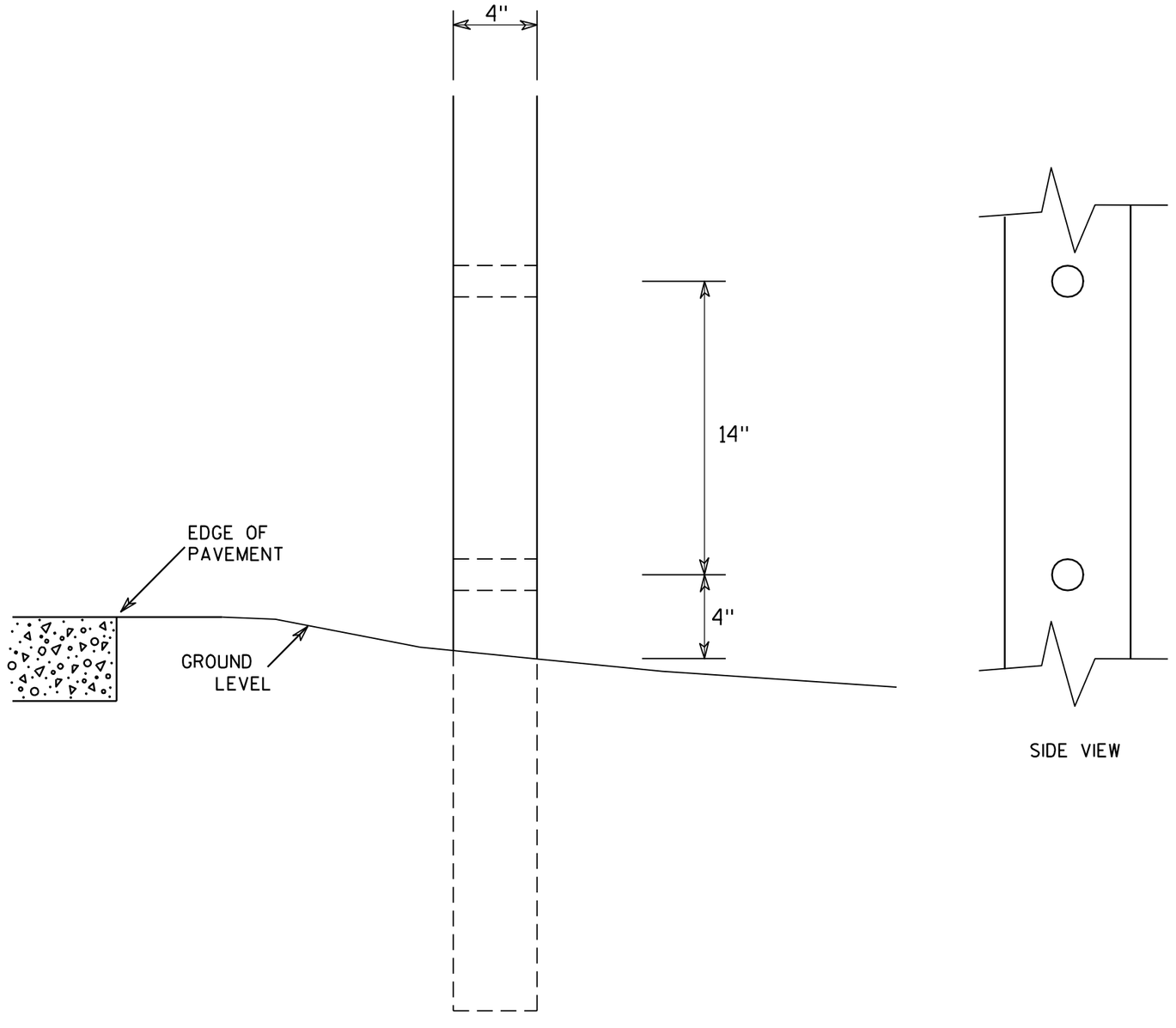
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 474 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

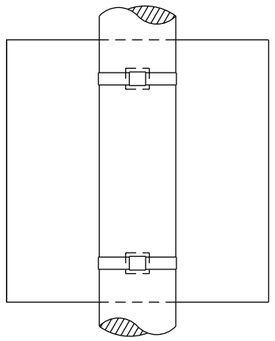
APPROVED Chester J Spang for State Traffic Engineer

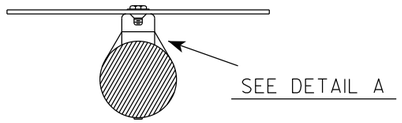
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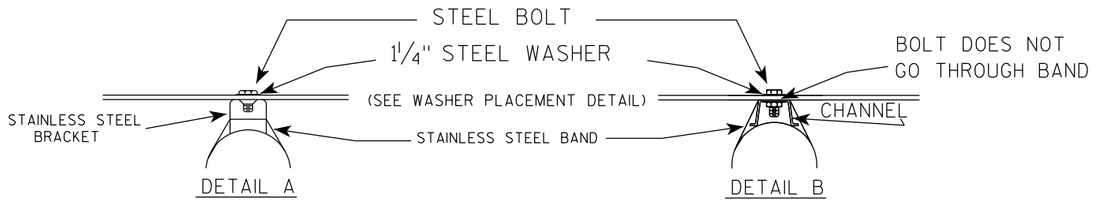
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 475	E

BANDING

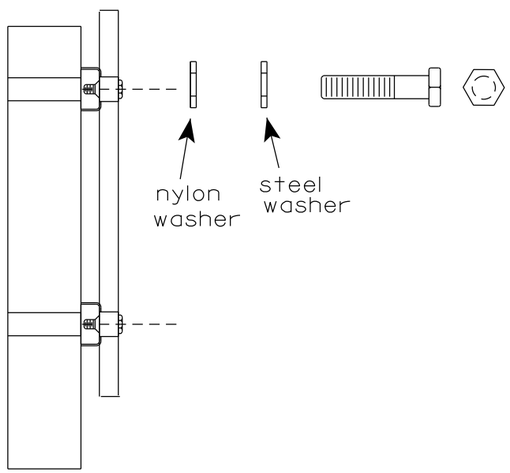
SINGLE SIGN







WASHER PLACEMENT

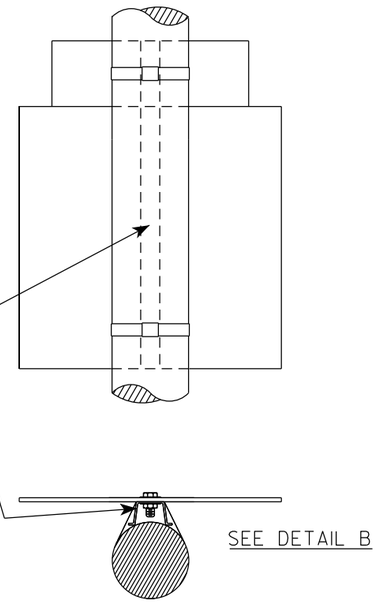


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

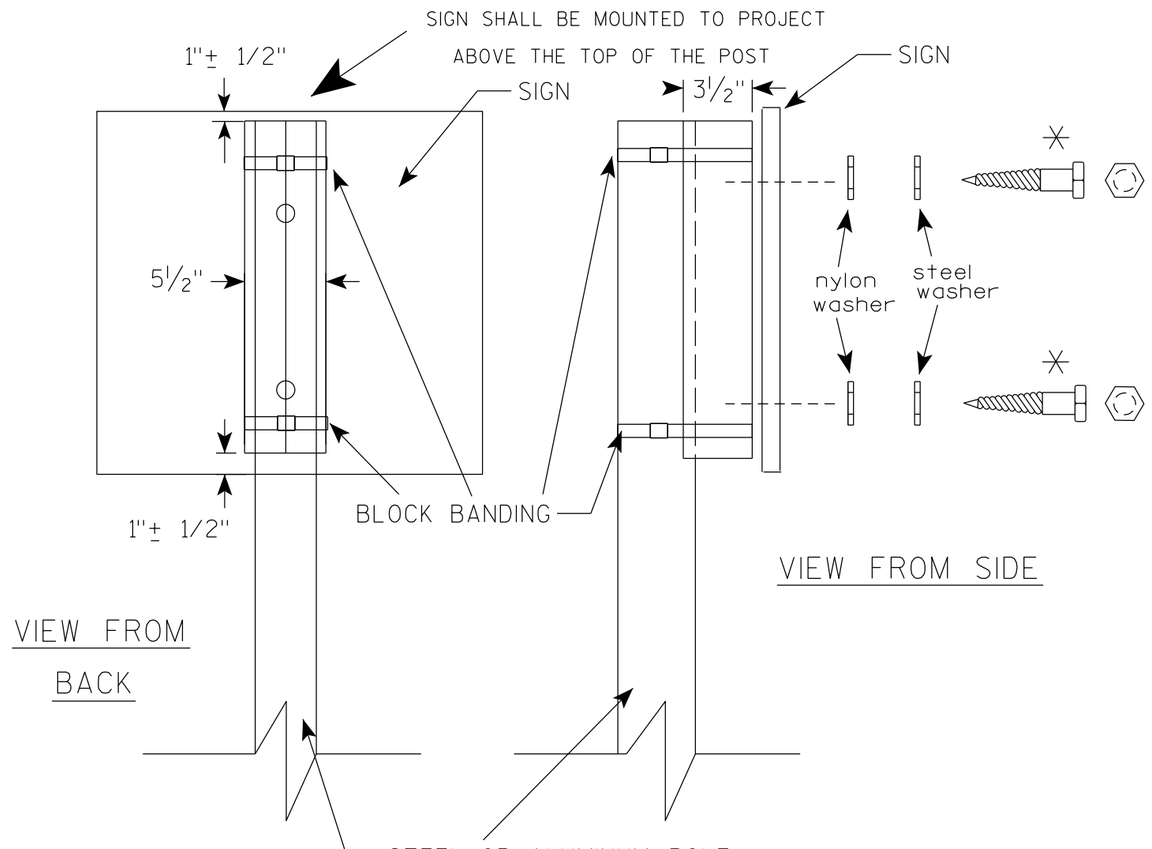
DATE 6/10/19 PLATE NO. A5-9.4

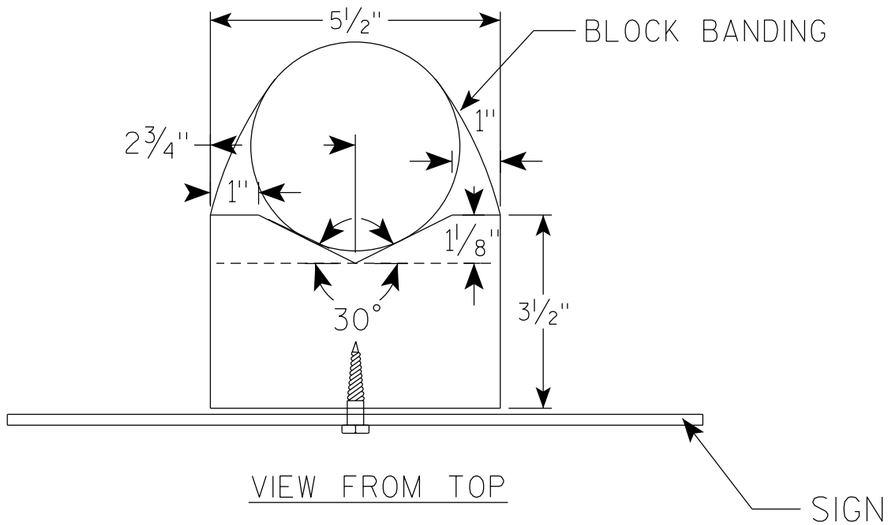
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 476	E

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)

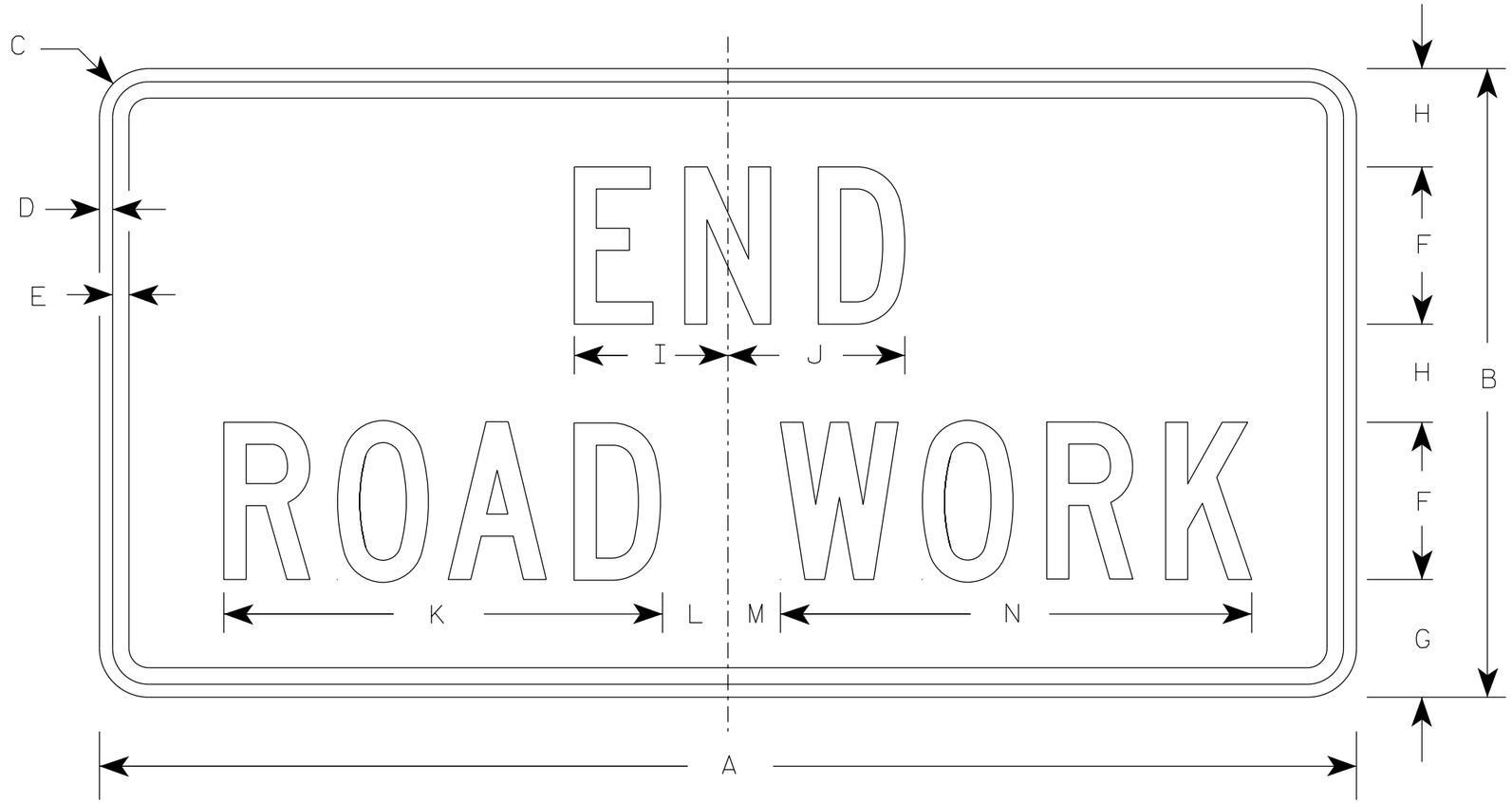
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 477 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

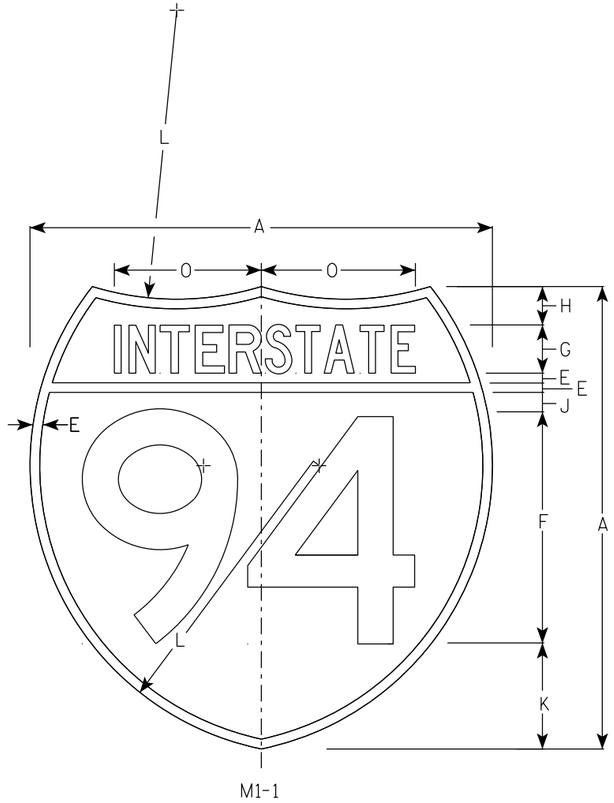
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/26/2023 PLATE NO. G20-2A.10

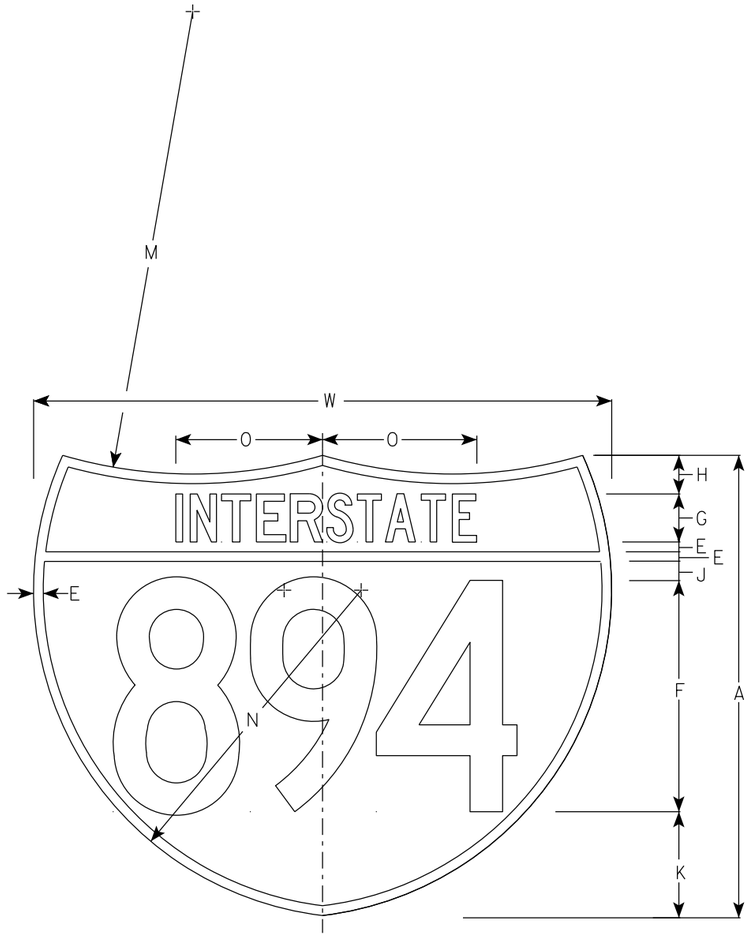
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 478 E

7

7



M1-1



M1-1A

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Top Red - Bottom Blue
   Message - White
3. Message Series - See note 5
4. Substitute appropriate numerals & ajust spacing as per plate A10-1.
5. M1-1 - Numerals - D
   Interstate - C
   M1-1A - All copy - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	M1-1 Area sq. ft.	M1-1A Area sq. ft.
1																											
2	24				1/2	12	2 1/2	2		1	5 1/2	15	24	17	7 7/8								30			3.13	3.91
2M	24				1/2	12	2 1/2	2		1	5 1/2	15	24	17	7 7/8								30			3.13	3.91
3	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79
4	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79
5	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79

INTERSTATE ROUTE MARKER M1-1 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

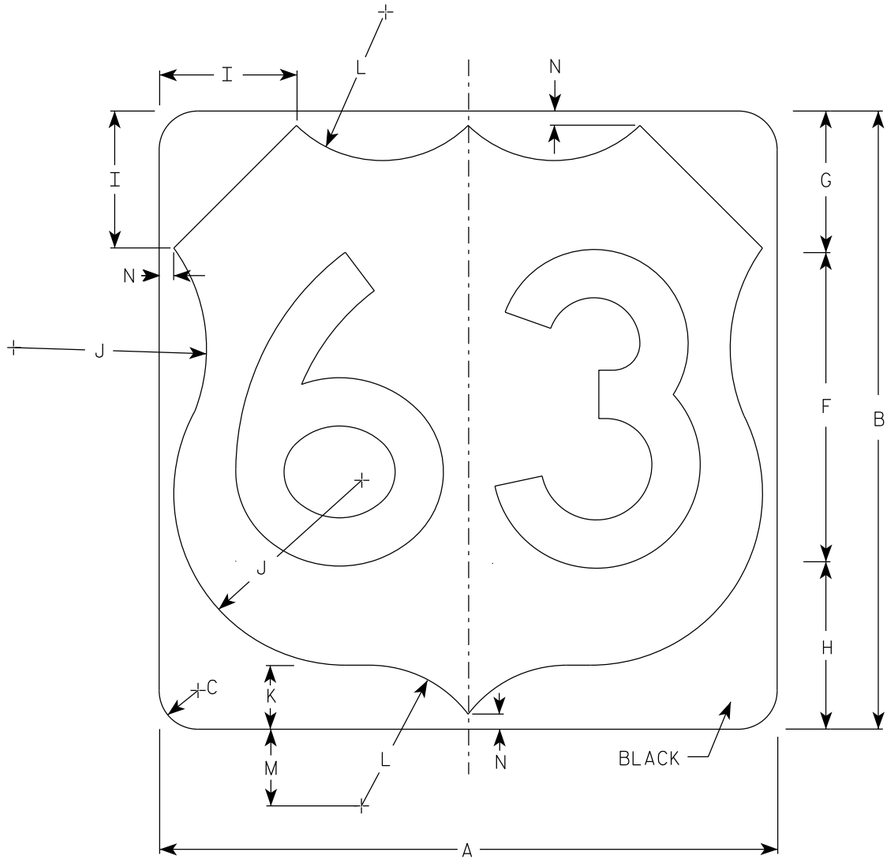
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 11/7/2022 PLATE NO. M1-1.9

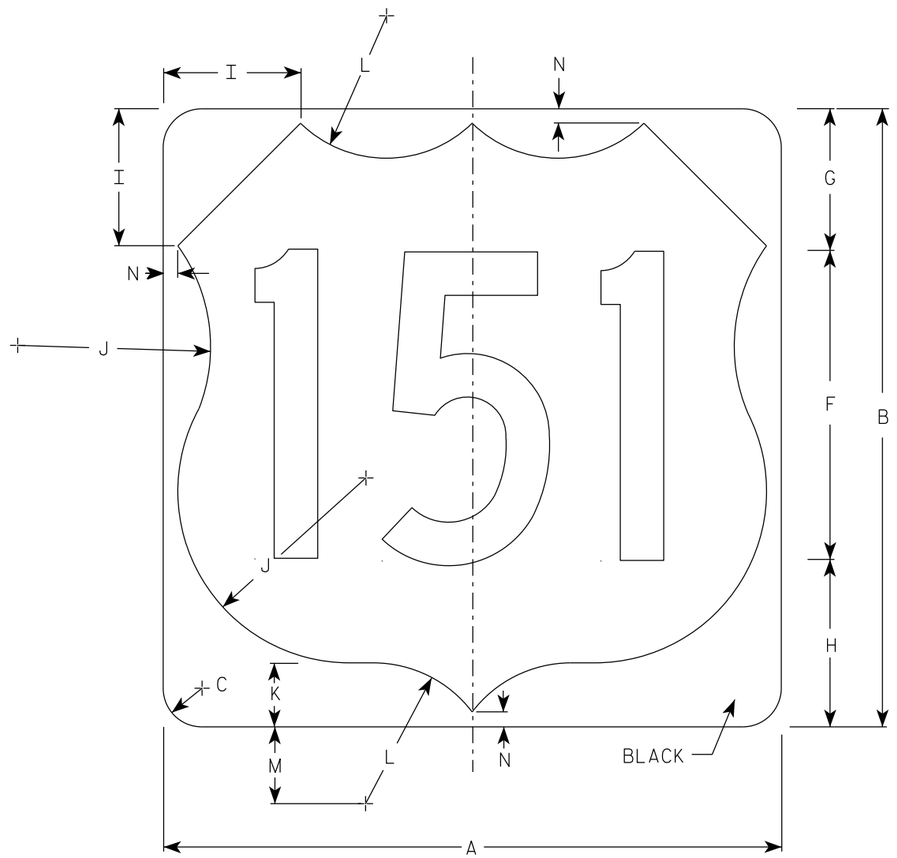
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 479 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C



M1-4



M1-4

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	24	1 ½			12	5 ½	6 ½	5	7 ½	2 ½	5 ½	3	½													4.0
2M	24	24	1 ½			12	5 ½	6 ½	5	7 ½	2 ½	5 ½	3	½													4.0
3	36	36	2 ¼			18	8 ¼	9 ¼	7 ¼	11 ¼	3 ¾	8 ¼	4 ½	¾													9.0
4	36	36	2 ¼			18	8 ¼	9 ¼	7 ¼	11 ¼	3 ¾	8 ¼	4 ½	¾													9.0
5	36	36	2 ¼			18	8 ¼	9 ¼	7 ¼	11 ¼	3 ¾	8 ¼	4 ½	¾													9.0

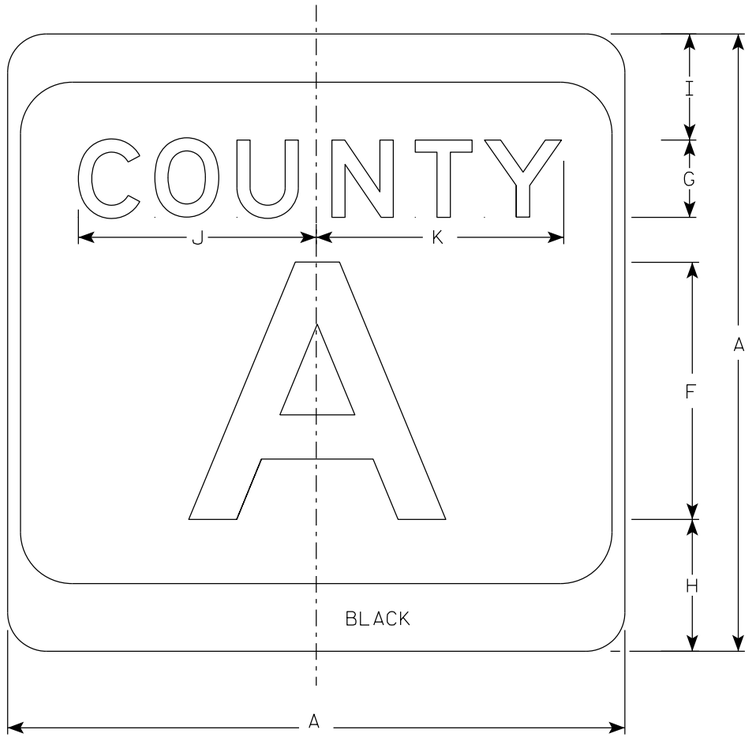
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

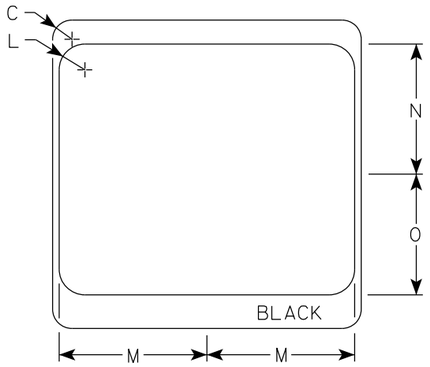
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/20/22 PLATE NO. M1-4.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 480 E

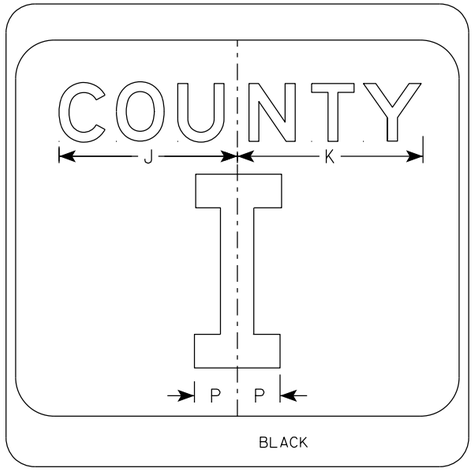


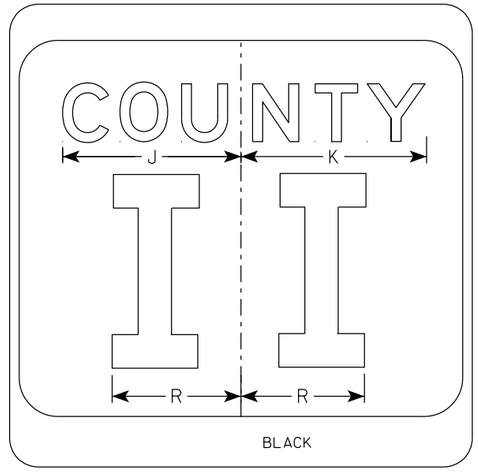
M1-5A



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

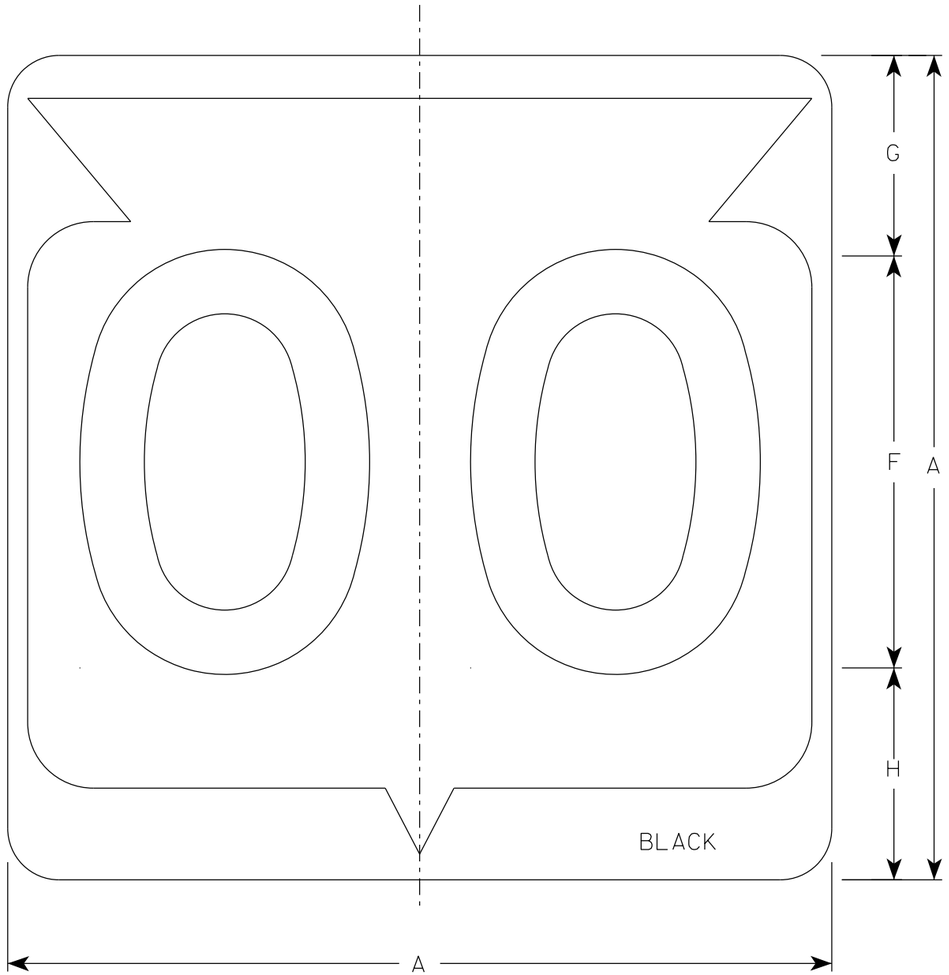
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/8/2022 PLATE NO. M1-5A.9

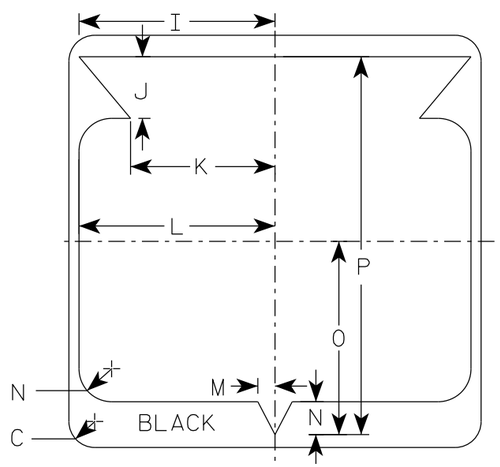
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

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



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

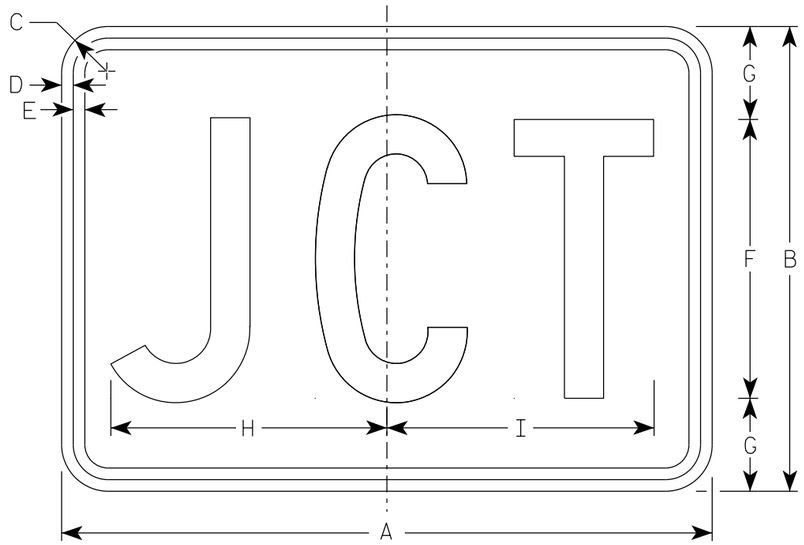
STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

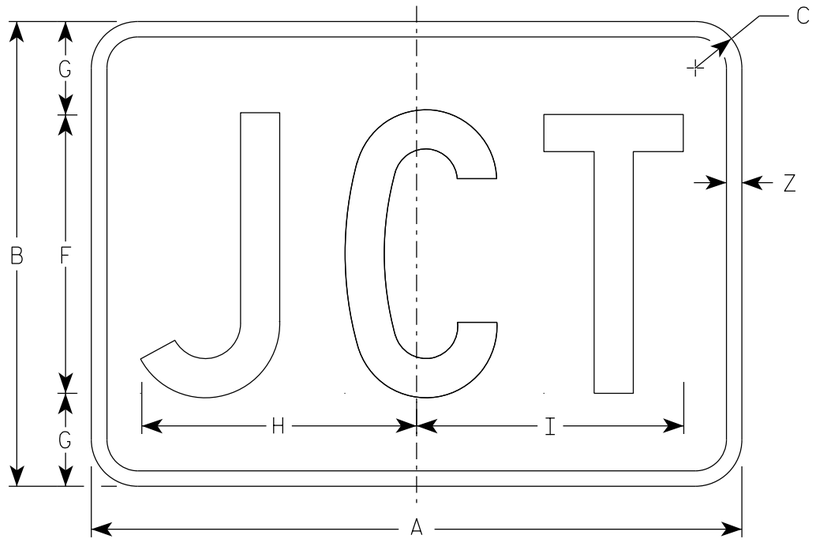
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/8/2022 PLATE NO. M1-6.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 482	E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21	15	1 1/2	3/8	3/8	9	3	8 7/8	8 5/8																	1/2	2.20
2M	21	15	1 1/2	3/8	3/8	9	3	8 7/8	8 5/8																	1/2	2.20
3	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40
4	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40
5	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40

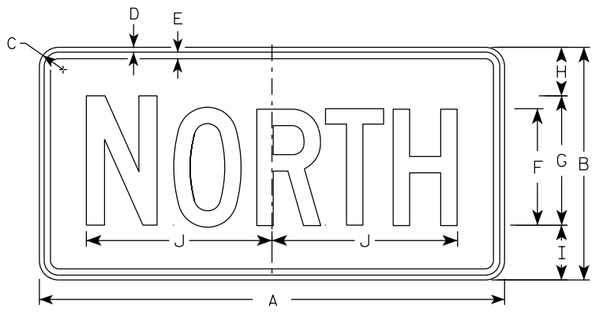
STANDARD SIGN
M2-1

WISCONSIN DEPT OF TRANSPORTATION

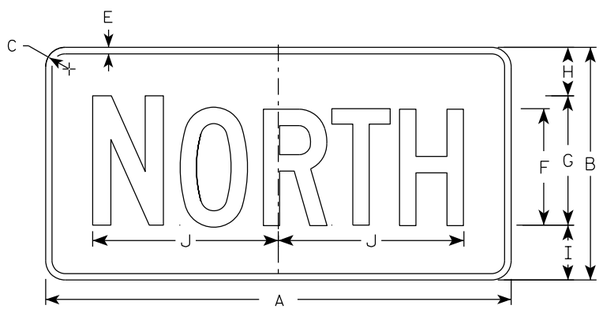
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/8/2023 PLATE NO. M2-1.14

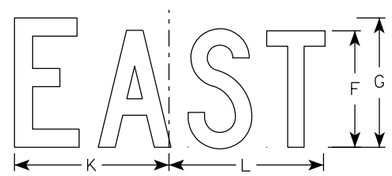
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 483 | E



M3-1
MM3-1
MP3-1



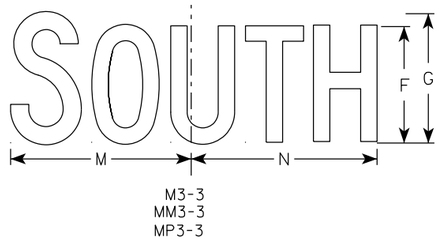
MB3-1
MK3-1
MN3-1



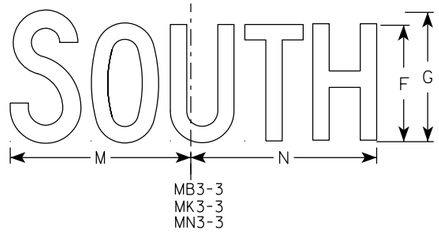
M3-2
MM3-2
MP3-2



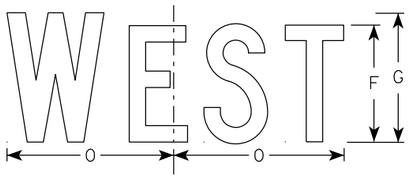
MB3-2
MK3-2
MN3-2



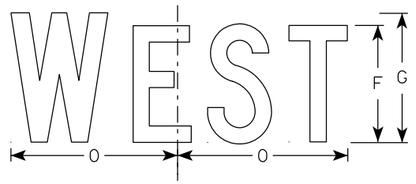
M3-3
MM3-3
MP3-3



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

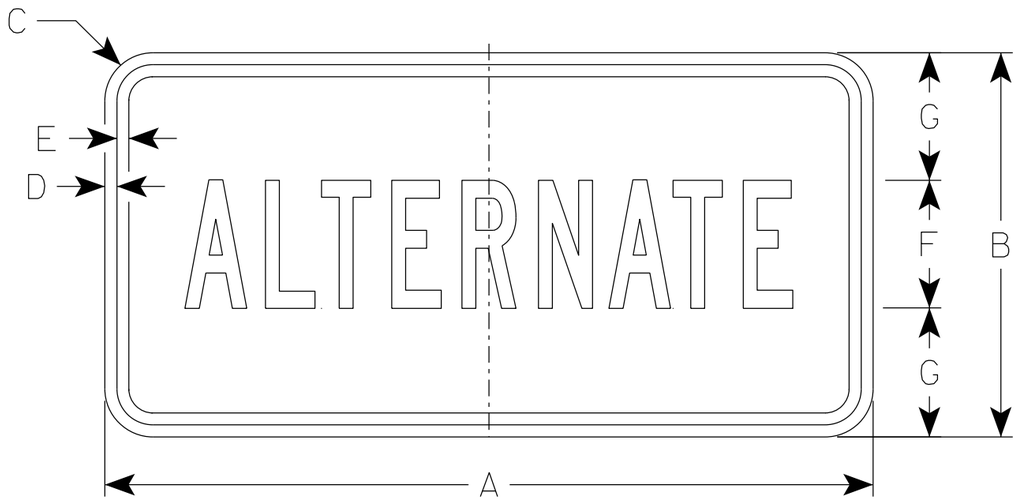
STANDARD SIGNS
M3-1 THRU M3-4
SERIES

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: 484 | E



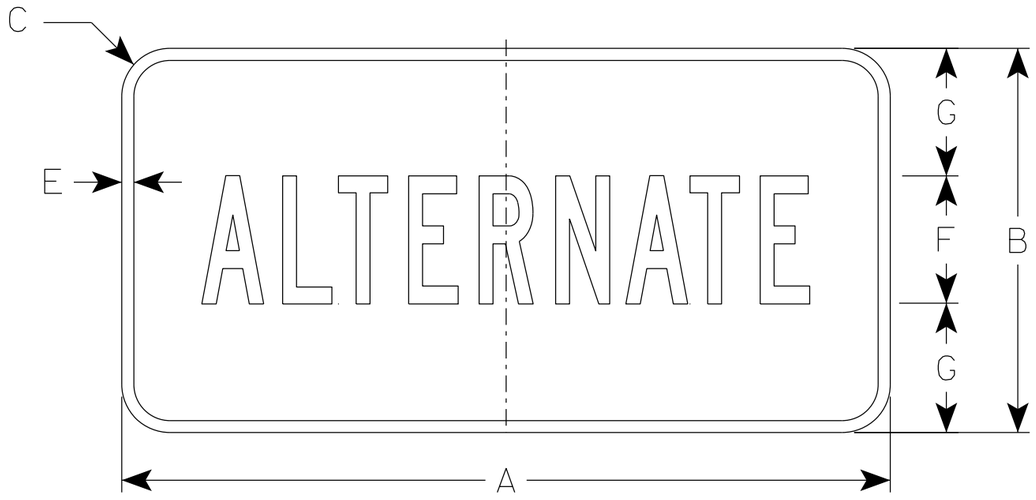
M4-1
MO4-1

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

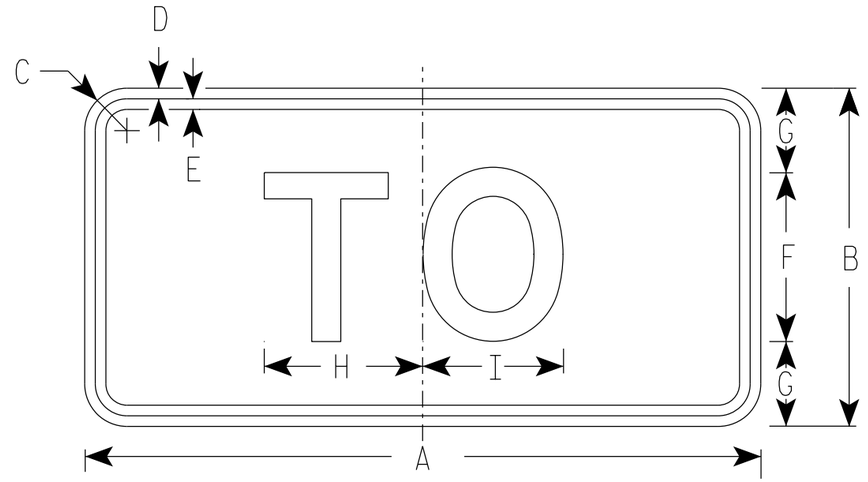
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/8/2023 PLATE NO. M4-1.10

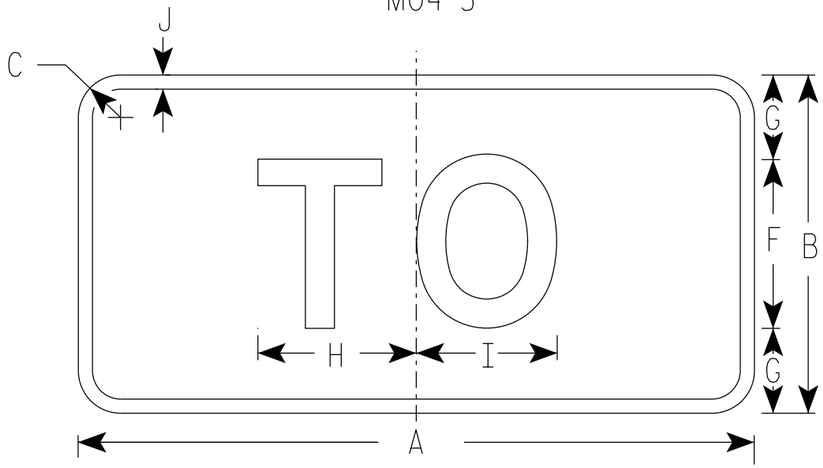
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 485 | E

7

7



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 1/2	3/8	3/8	6	3	5 3/8	5 1/4	1/2																	2.00
2M	24	12	1 1/2	3/8	3/8	6	3	5 3/8	5 1/4	1/2																	2.00
3	36	18	1 1/2	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2																	4.5
4	36	18	1 1/2	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2																	4.5
5	36	18	1 1/2	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2																	4.5

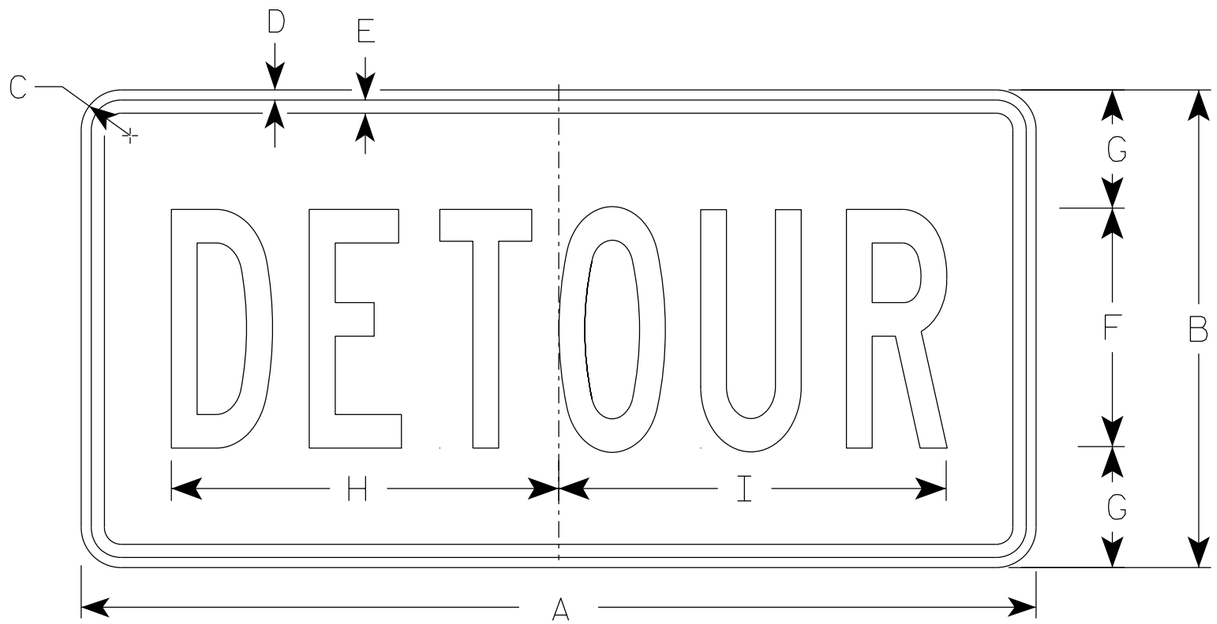
STANDARD SIGN
M4-5

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: 486 | E



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

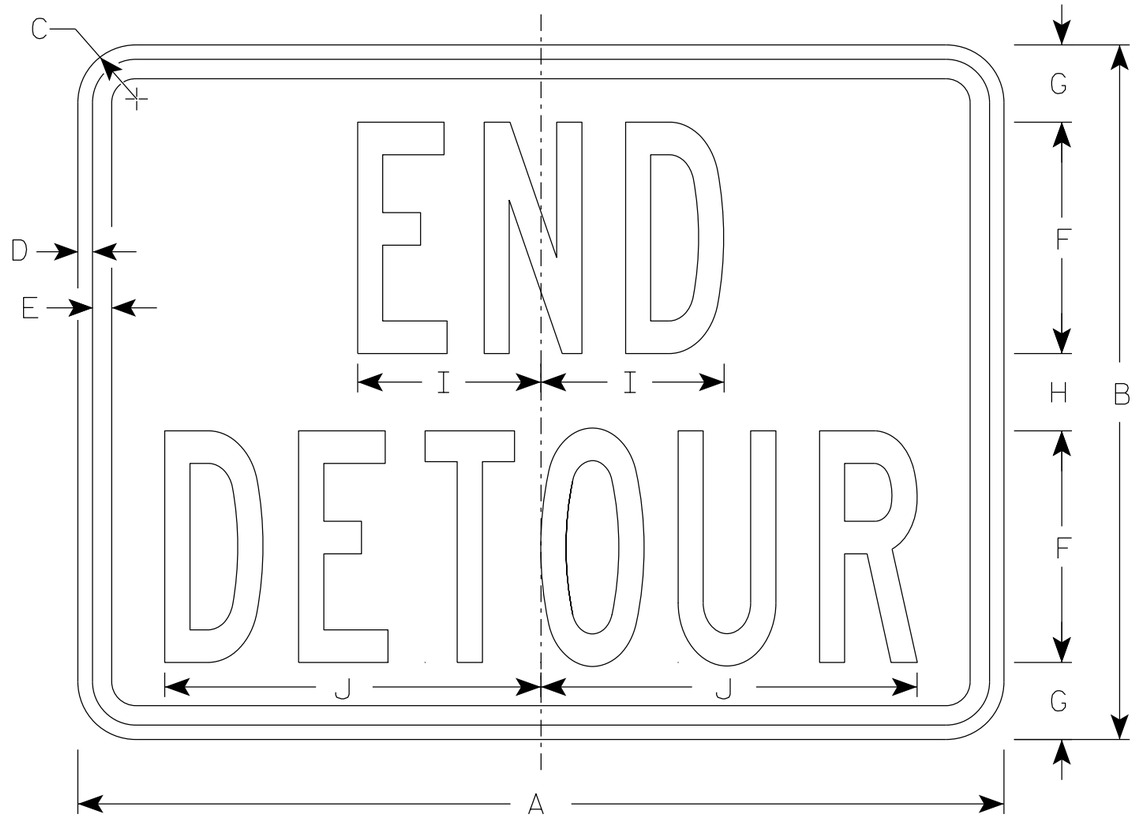
STANDARD SIGN
M4-8

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: 487	E



M4-8A

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 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

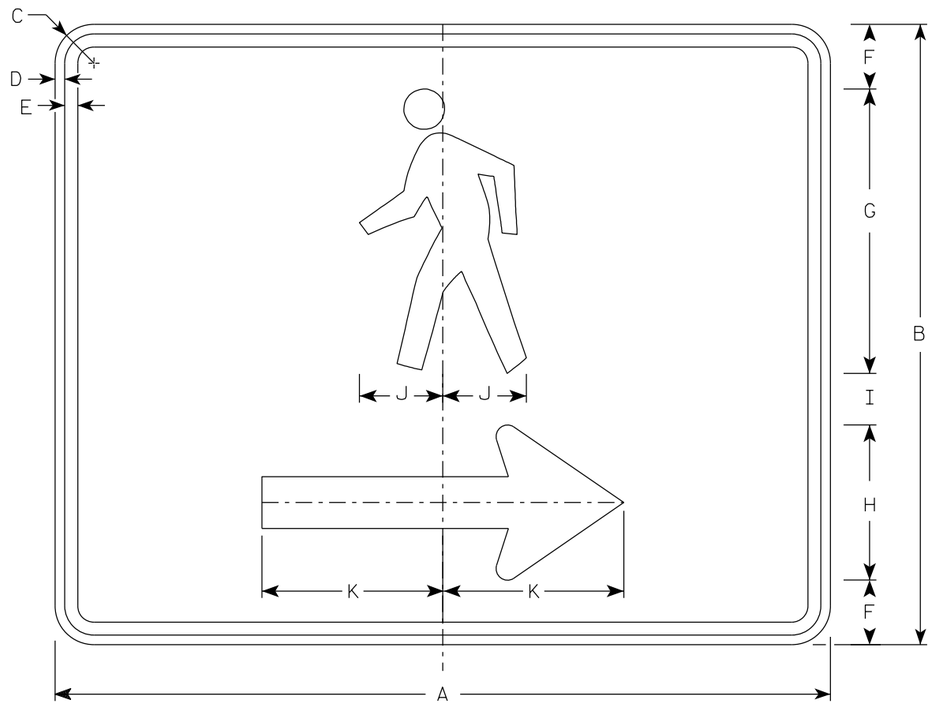
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-8A.4

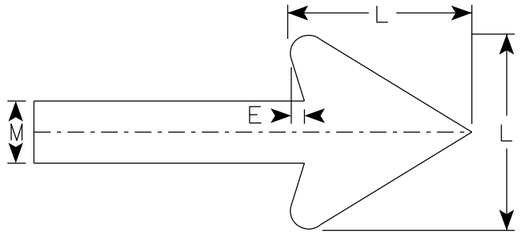
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 488 | E

NOTES

1. Sign is Type II- Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M4-60L is the same as M4-60R except the arrow is reversed.



M4-60R



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 ½	⅜	½	2 ½	11	6	2	3 ¼	7	6	2														5.00
2M	30	24	1 ½	⅜	½	2 ½	11	6	2	3 ¼	7	6	2														5.00
3																											
4																											
5																											

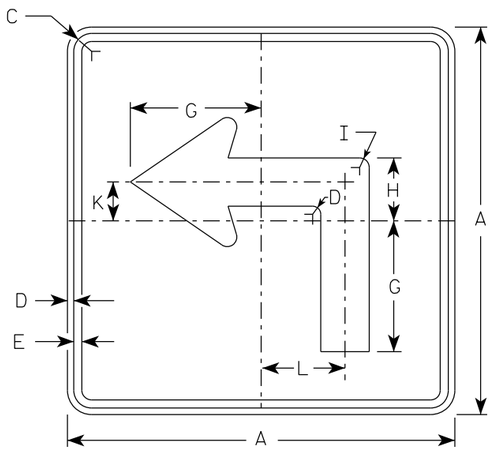
STANDARD SIGN
M4-60 L&R

WISCONSIN DEPT OF TRANSPORTATION

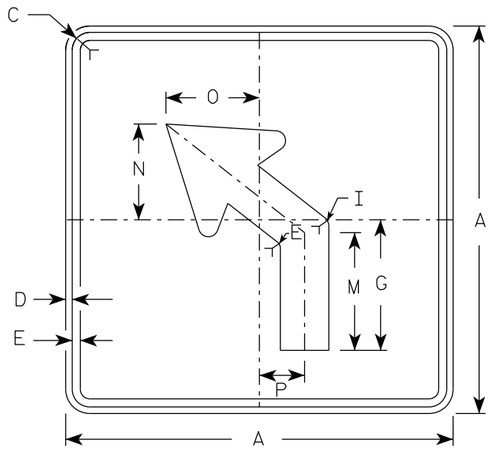
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/14/2023 PLATE NO. M4-60.2

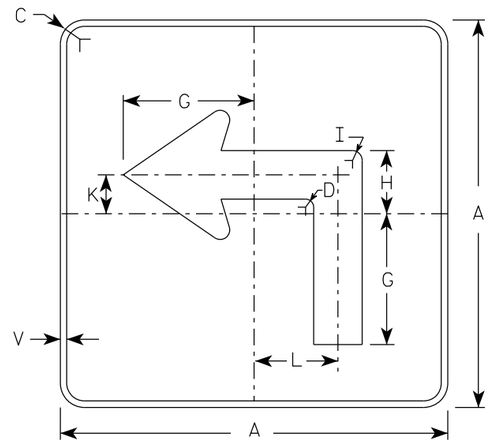
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 489 | E



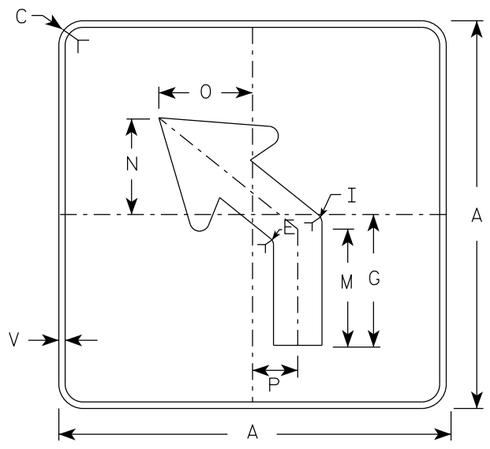
M5-1L
MM5-1L
MO5-1L
MP5-1L



M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L

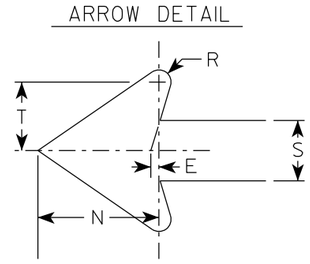


MB5-2L
MK5-2L
MN5-2L
MR5-2L

NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21		1 1/2	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3		1/2					3.06
2M	21		1 1/2	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3		1/2					3.06
3	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
4	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
5	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25

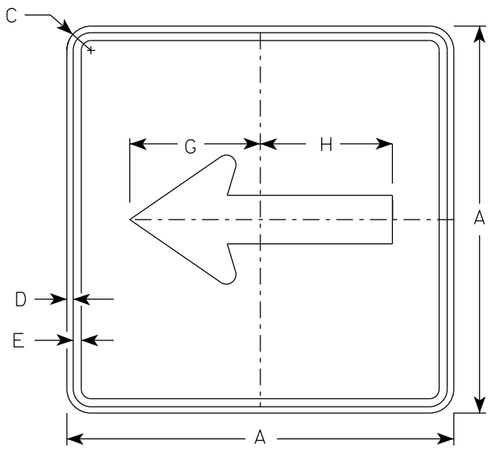
STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

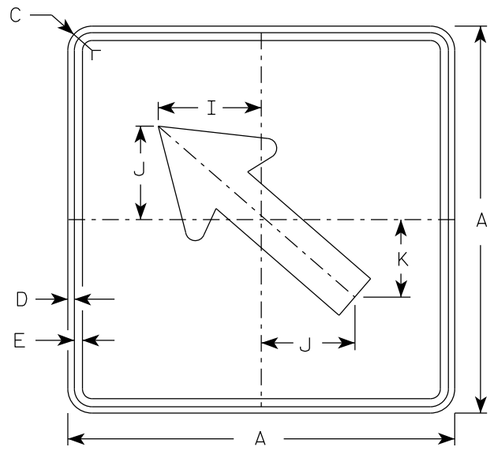
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M5-1.15

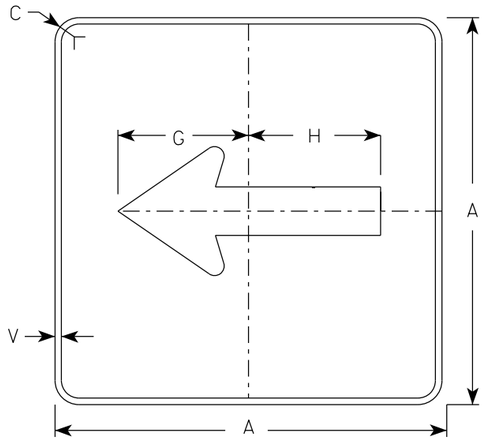
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 490 | E



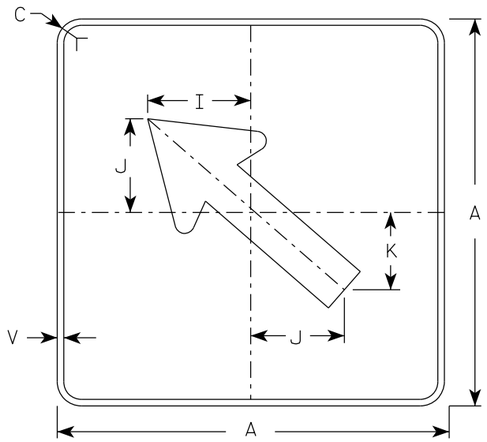
M6-1
MM6-1
MO6-1
MP6-1



M6-2
MM6-2
MO6-2
MP6-2



MB6-1
MK6-1
MN6-1
MR6-1

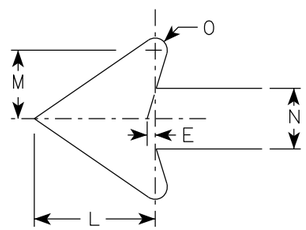


MB6-2
MK6-2
MN6-2
MR6-2

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

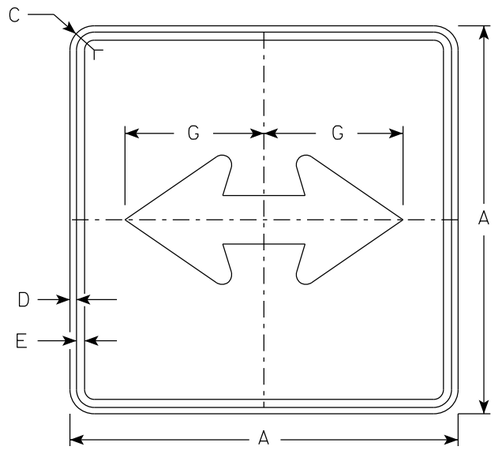
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M6-1.16

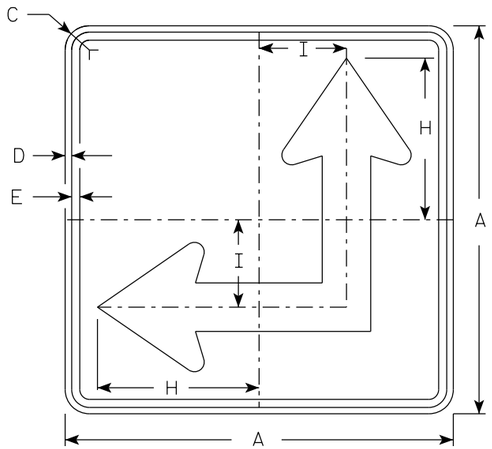
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 491 | E

7

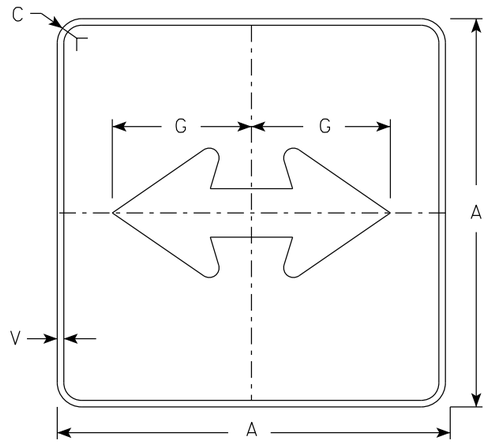
7



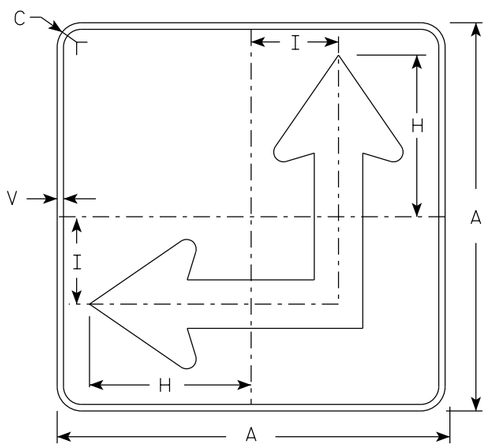
M6-4
MM6-4
MO6-4
MP6-4



M6-6
MM6-6
MO6-6
MP6-6



MB6-4
MK6-4
MN6-4
MR6-4

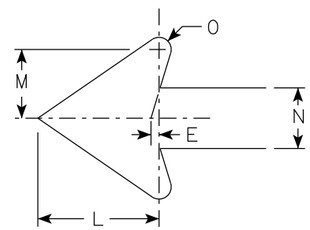


MB6-6
MK6-6
MN6-6
MR6-6

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

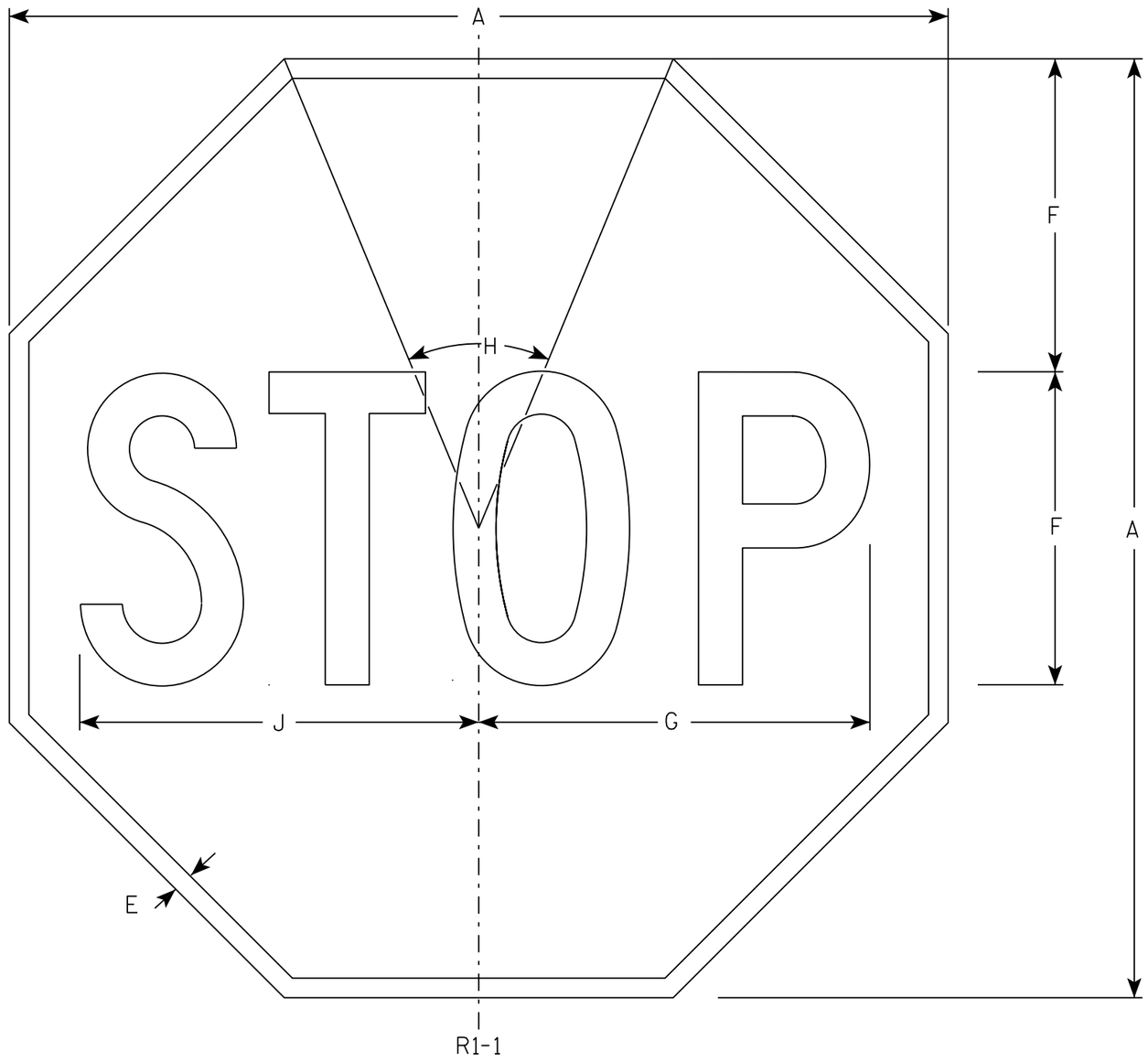
STANDARD SIGN M6-4 & M6-6 SERIES

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: 492 | E



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

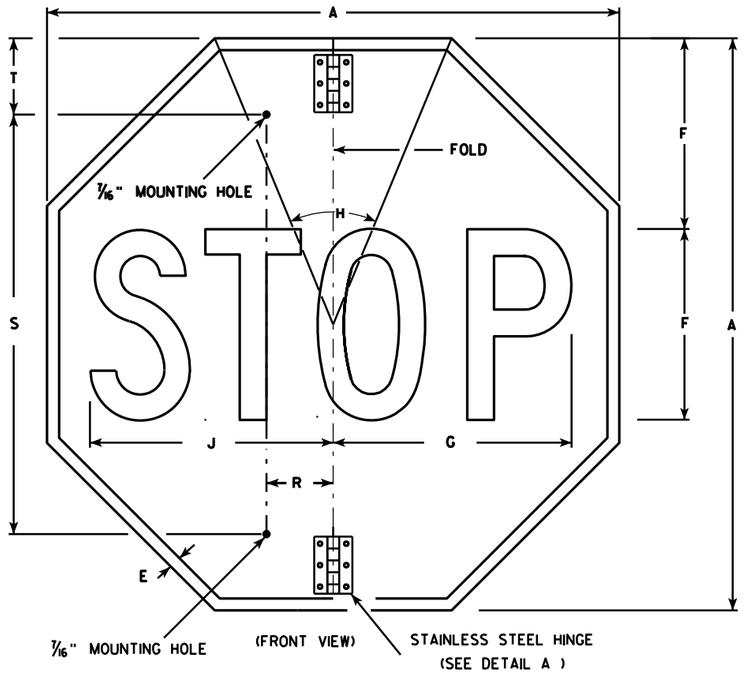
STANDARD SIGN
R1-1

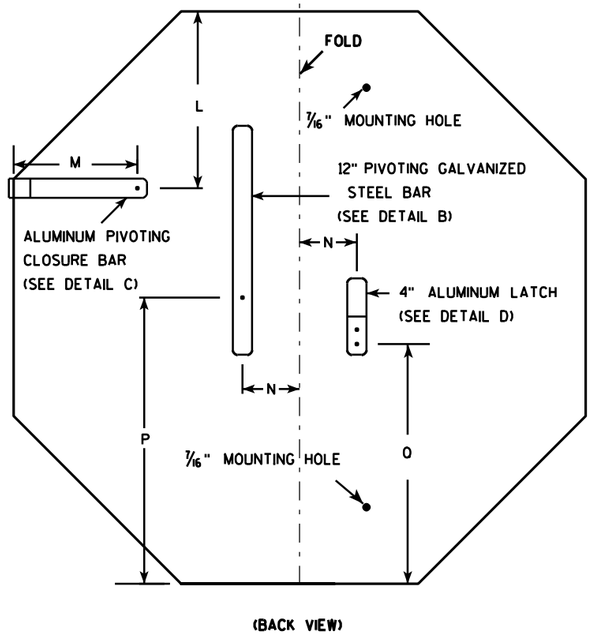
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

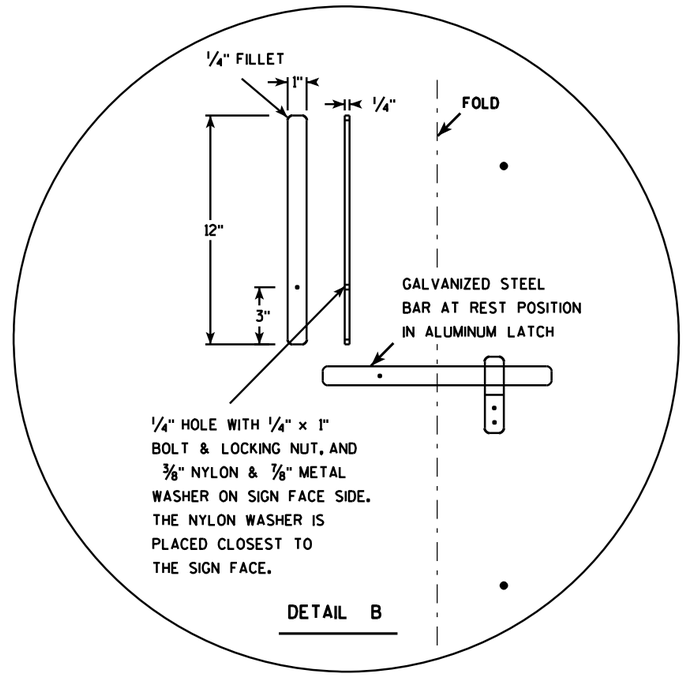
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 493	E



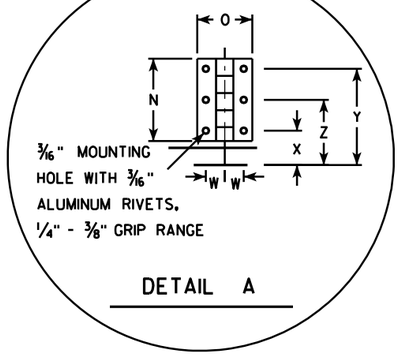


NOTES

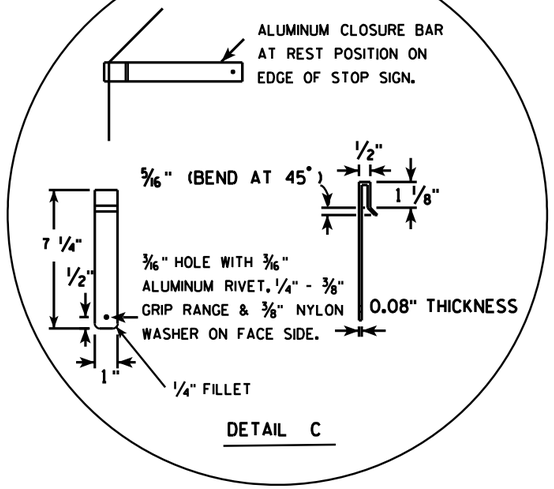
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. All hardware used on the folding STOP sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.



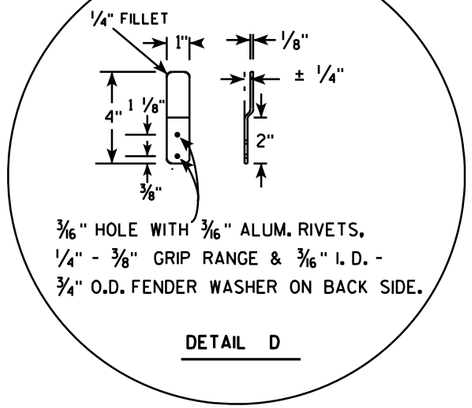
DETAIL B



DETAIL A



DETAIL C



DETAIL D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30				5/8	10	12 1/2	45		12 3/4		9 1/4	6 1/2	3	2	15	12 3/8	2 1/2	22	5			11/16	1 1/4	3 1/2	2 3/8	5.18
2M	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
3	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
4																											
5																											

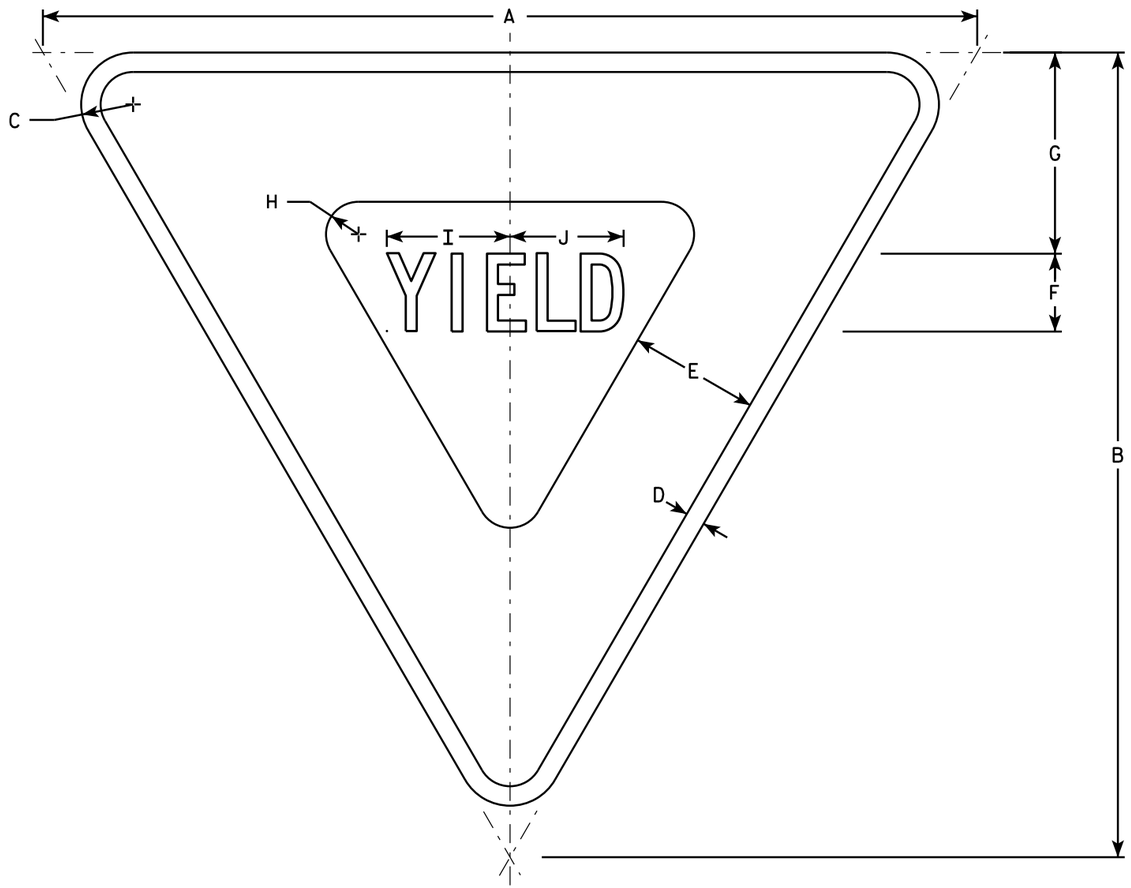
STANDARD SIGN
R1-1F

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1F.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 494	E



R1-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The border strip and word message are reflectorized red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

STANDARD SIGN
R1-2

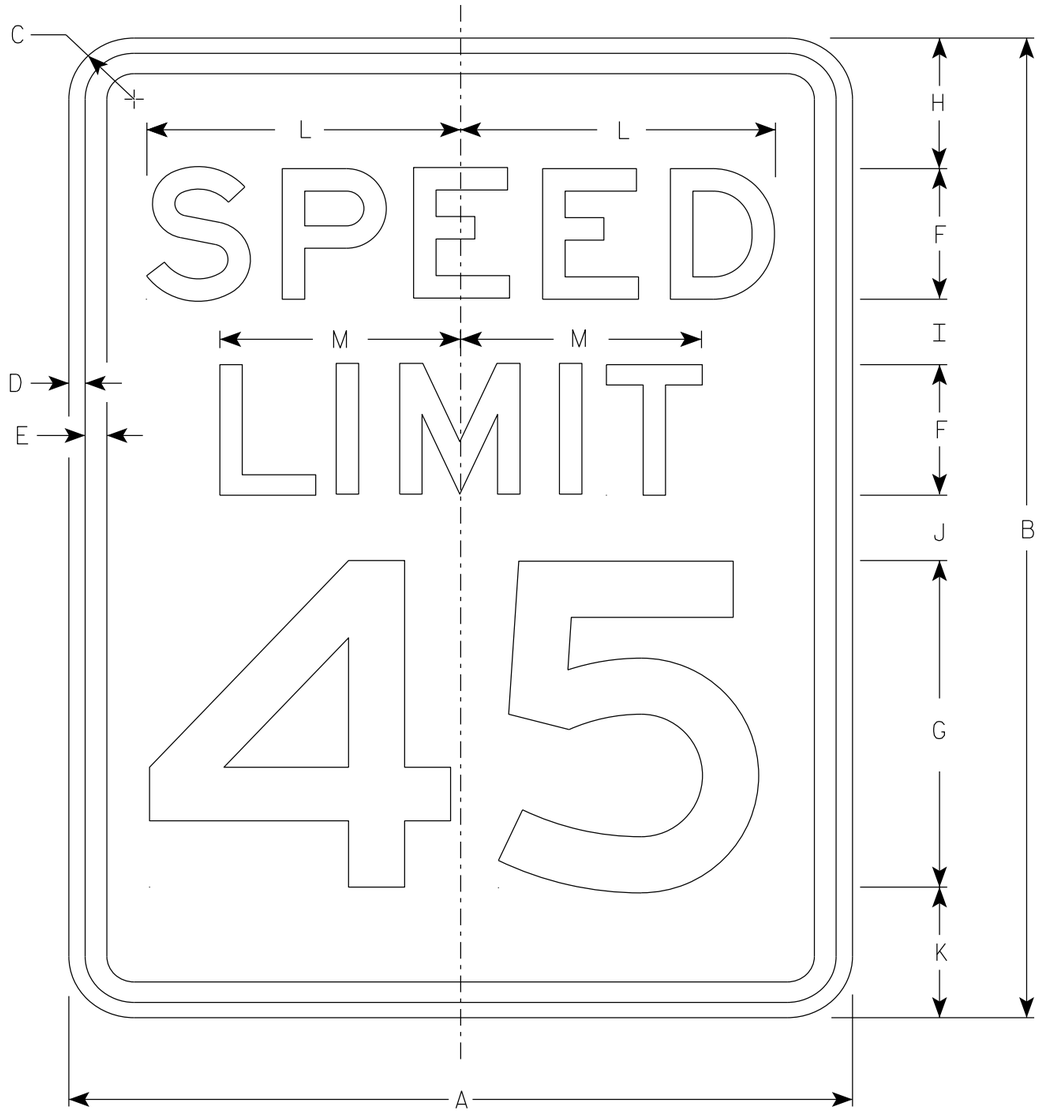
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE R1-2.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R12.DGN PLOT DATE : 13-OCT-2014 15:12 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



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

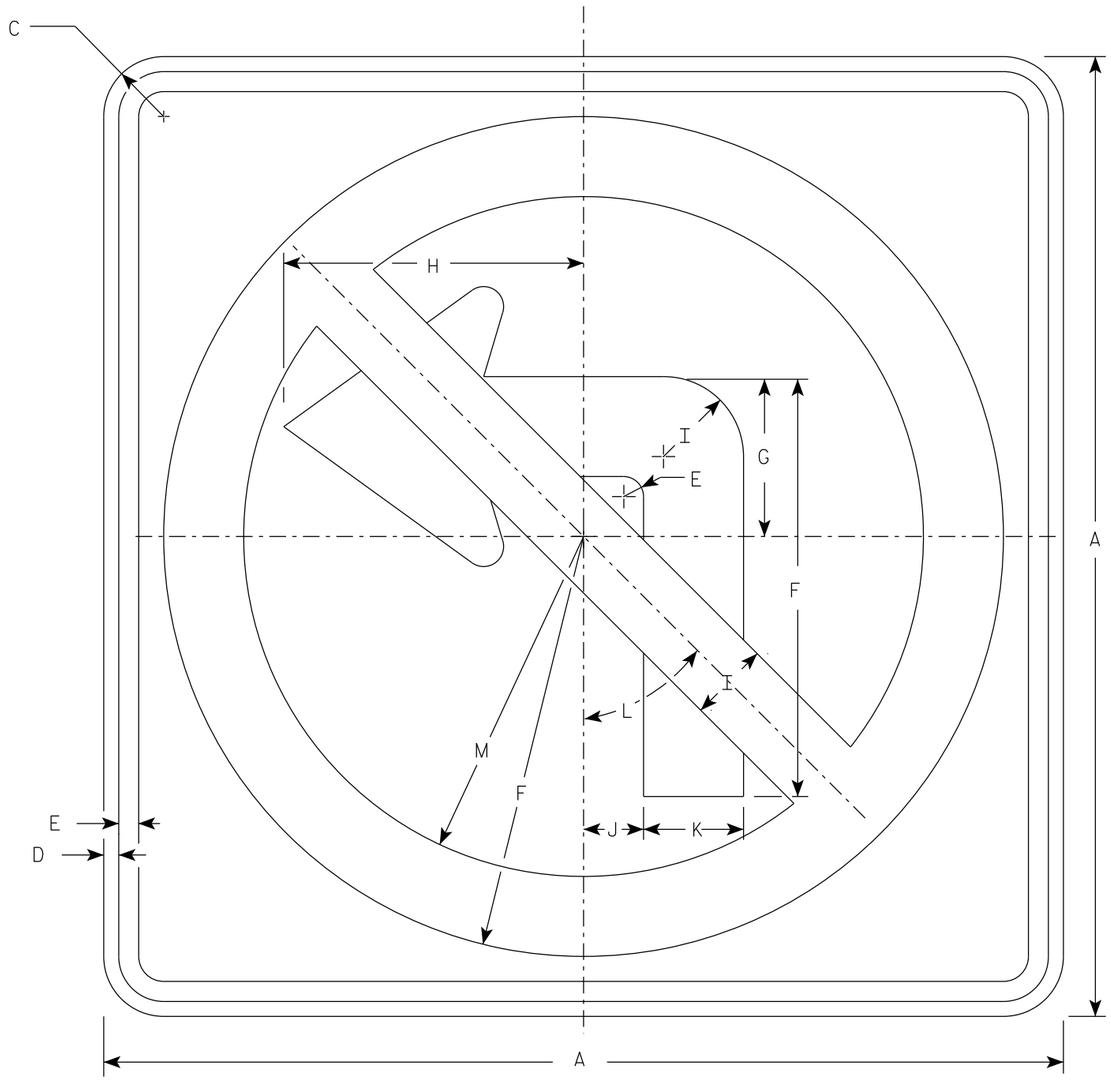
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/23 PLATE NO. R2-1.14

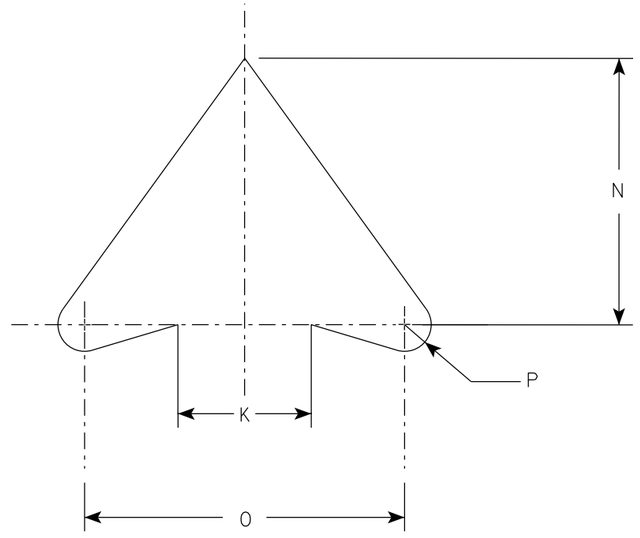
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 496 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 3
3. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



R3-2



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 ½	⅜	½	10 ½	4	7 ½	2	1 ½	2 ½	45°	8 ½	5	6	½											4.0
2S	24		1 ½	⅜	½	10 ½	4	7 ½	2	1 ½	2 ½	45°	8 ½	5	6	½											4.0
2M	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45°	12 ¾	7 ½	9	¾											9.0
3	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45°	12 ¾	7 ½	9	¾											9.0
4	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45°	12 ¾	7 ½	9	¾											9.0
5	48		2 ¼	¾	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

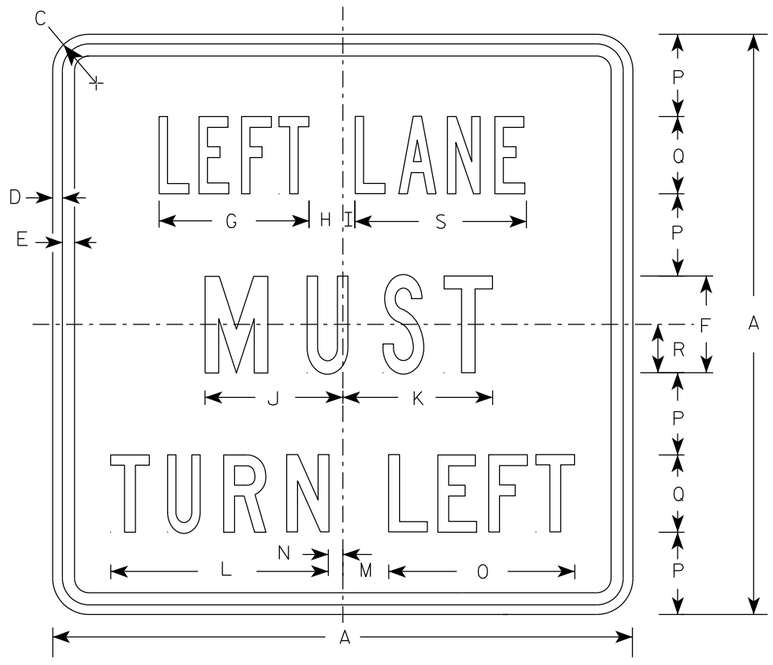
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/2/23 PLATE NO. R3-2.11

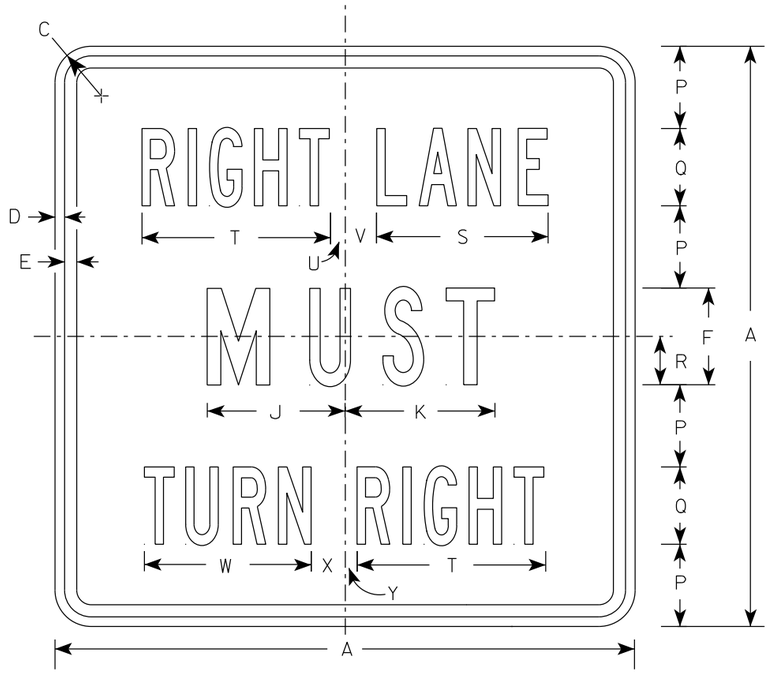
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 497 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - Line 1 is Series B.
   Line 2 is Series C.
   Line 3 on plate R3-7R is Series B and Series C on plate R3-7L.



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	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2S	30		1 7/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2M	30		1 7/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
3	36		2 1/4	5/8	3/4	6	9 5/8	2	1 1/8	8 3/4	9	13 1/2	3 7/8	1 1/2	12 1/2	5	5	3	10 5/8	12	7/8	2 1/4	10 5/8	2 1/8	1		9.00
4	48		2 1/4	3/4	1	8	13 1/2	2 3/8	1 1/2	11 1/2	11 7/8	17 3/4	3 5/8	2 1/2	16 3/8	6 1/2	7	4	14 3/8	16 7/8	5/8	3 1/4	15 1/8	2 3/4	1 1/8		16.00
5																											

STANDARD SIGN
R3-7L & R3-7R

WISCONSIN DEPT OF TRANSPORTATION

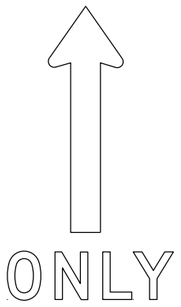
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/23 PLATE NO. R3-7.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 498 | E

7

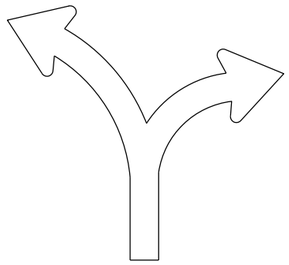
7

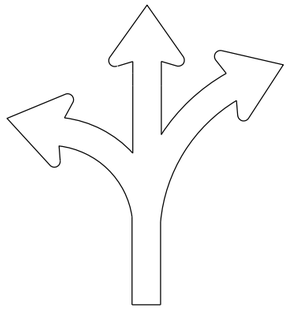


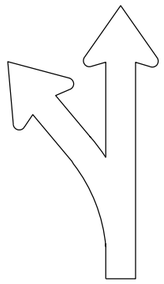
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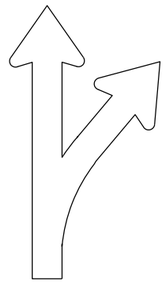


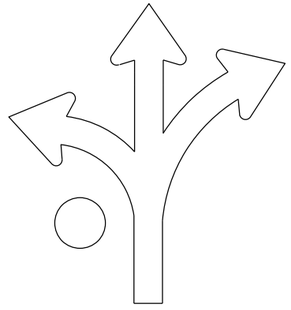
(B)

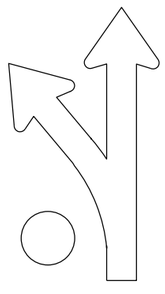

(C)

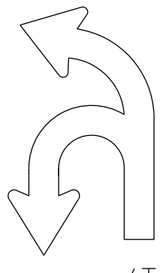

(D)

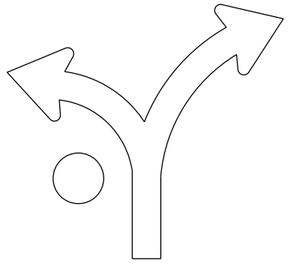

(E)

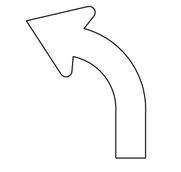

(F)


(G)

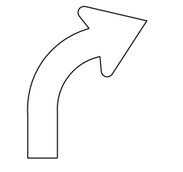

(H)


(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: 499 E

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 14-FEB 2023 3:01 PLOT BY : mscj9h PLOT NAME :

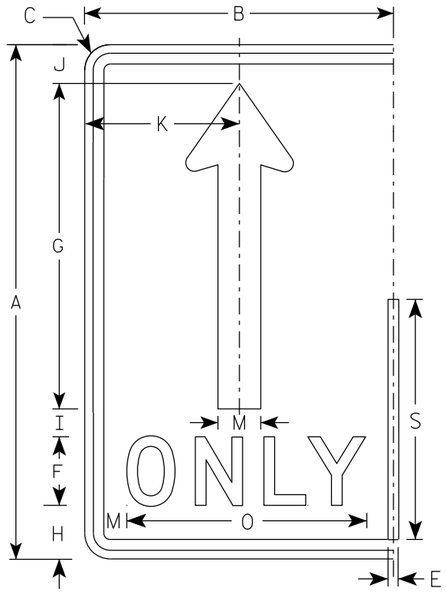
WISDOT/CADDS SHEET 42

7

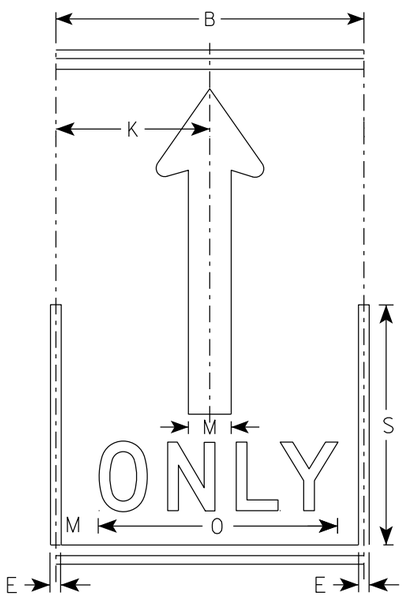
7

NOTES

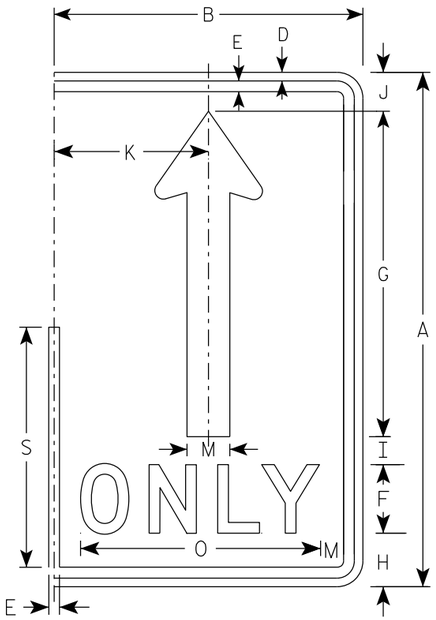
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



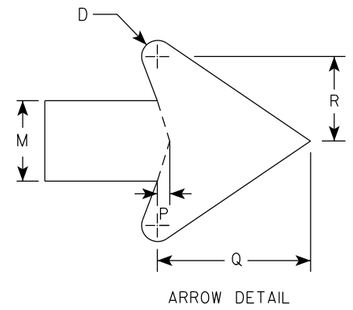
(A)



(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

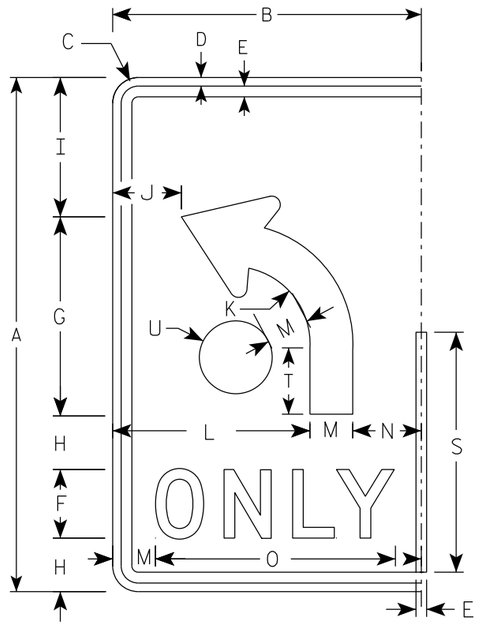
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

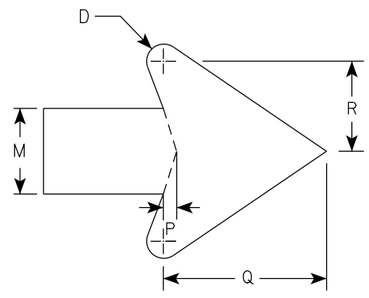
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 500 | E

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

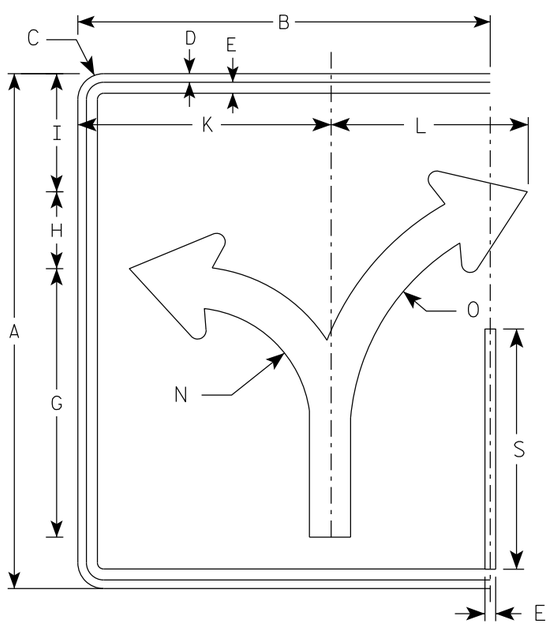
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

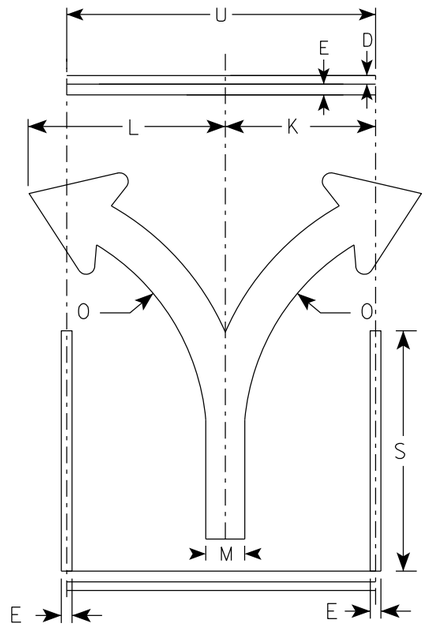
SHEET NO: 501 E

NOTES

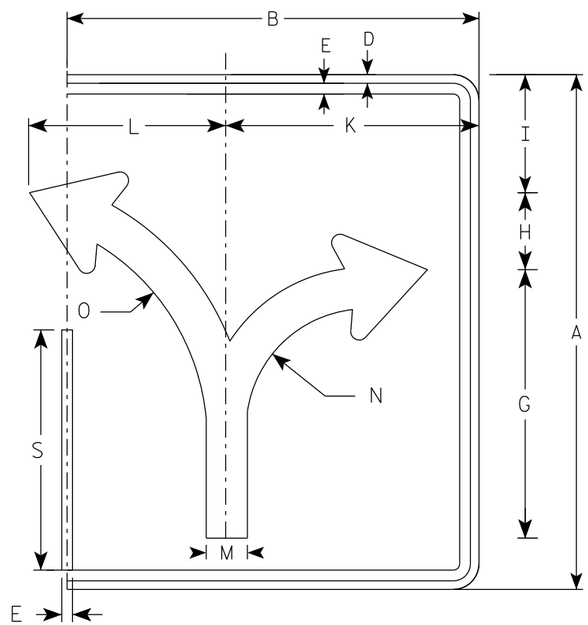
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



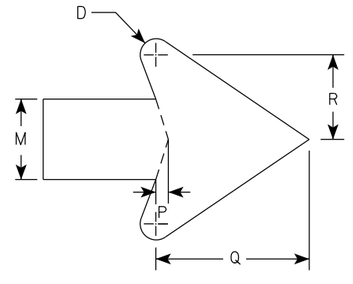
(C)



(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

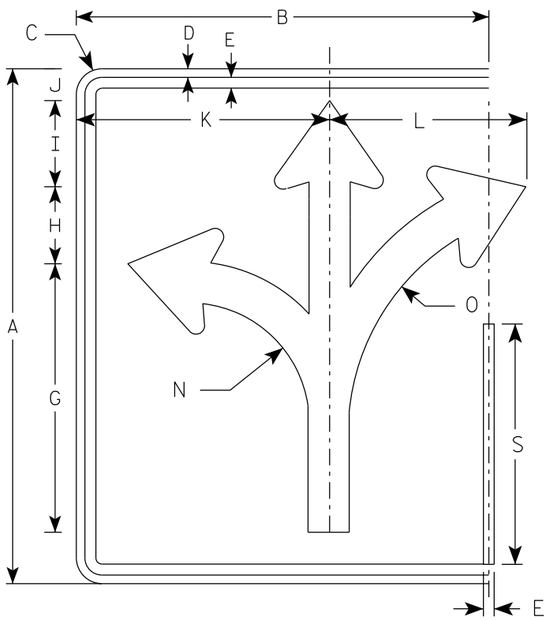
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

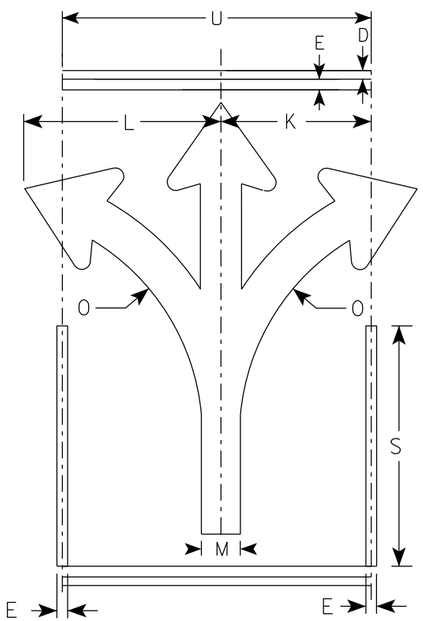
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 502 | E

NOTES

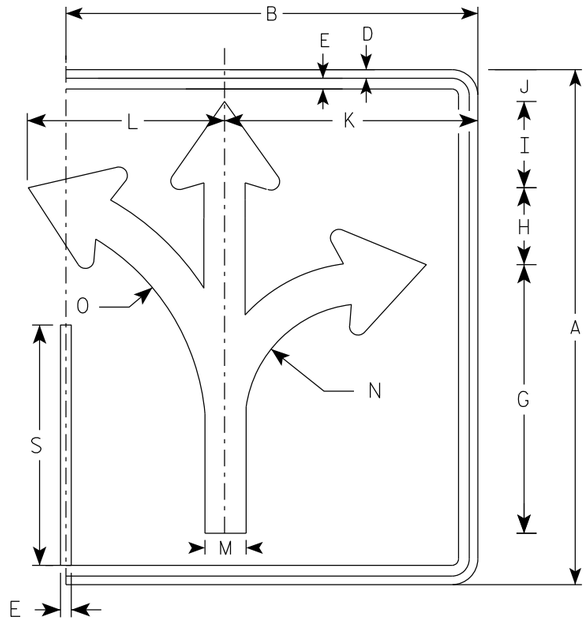
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



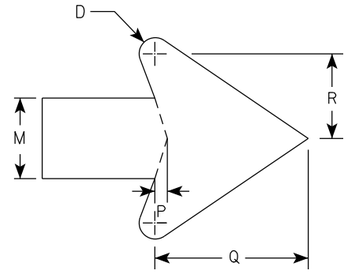
(D)



(D)



(D)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 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

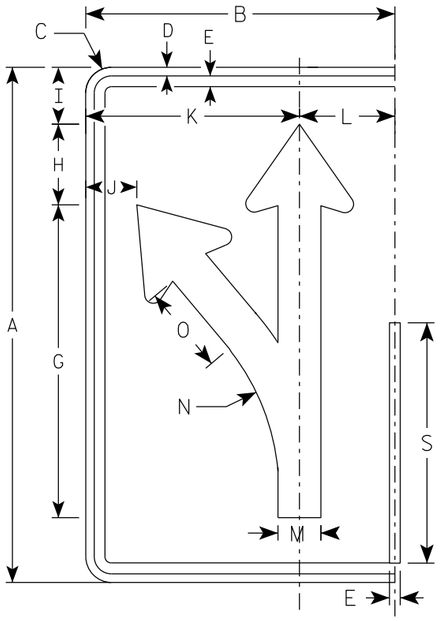
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

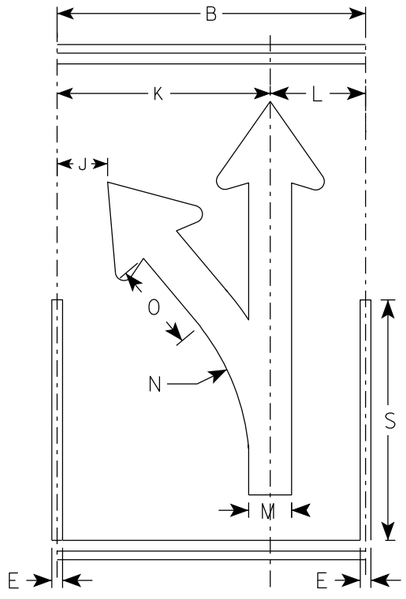
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 503 | E

NOTES

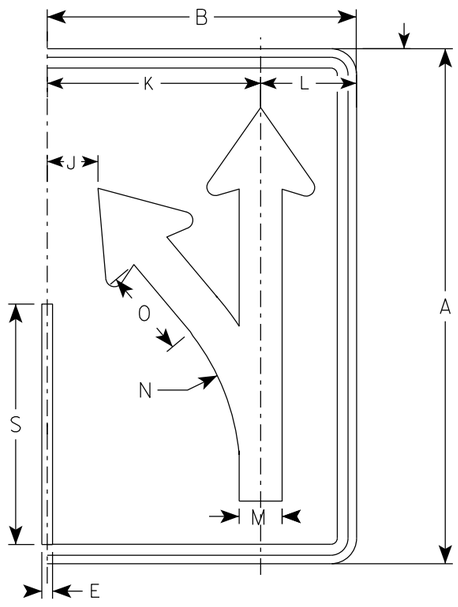
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



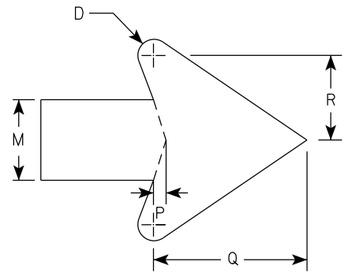
(E)



(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

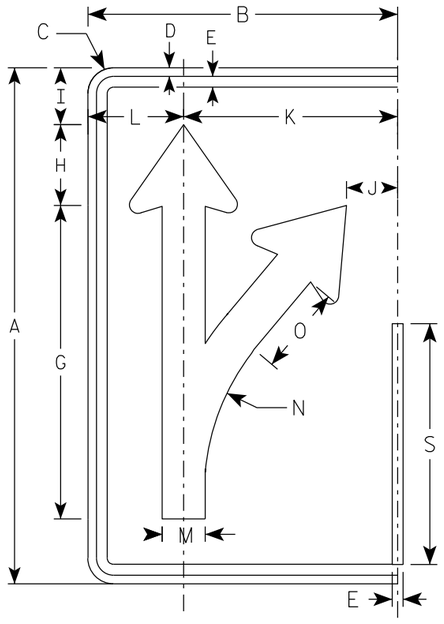
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

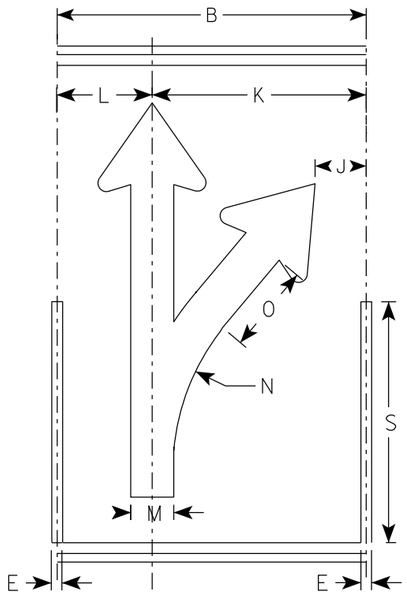
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 504 | E

NOTES

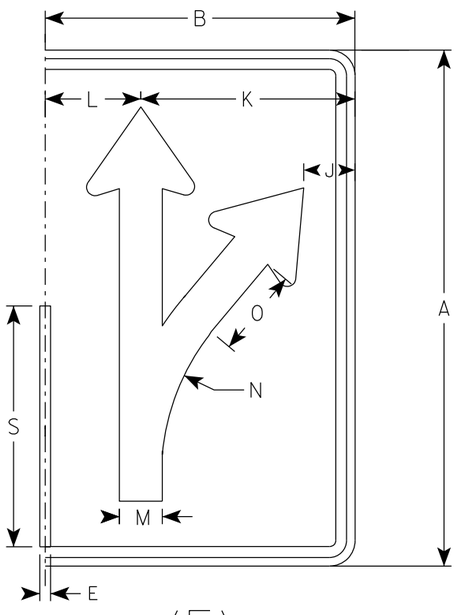
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



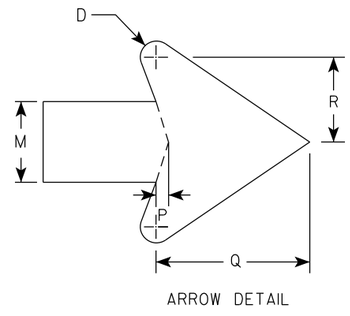
(F)



(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

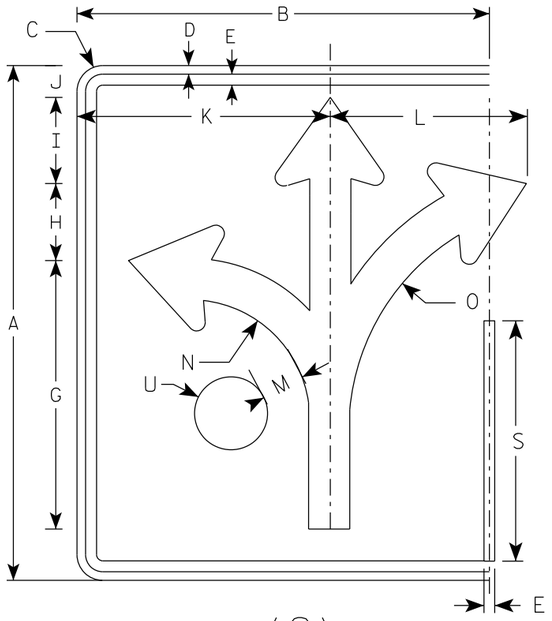
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

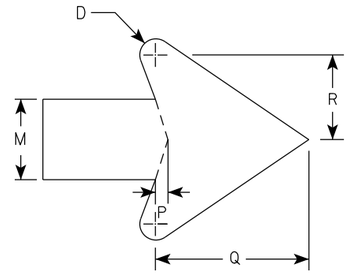
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 505 | E

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

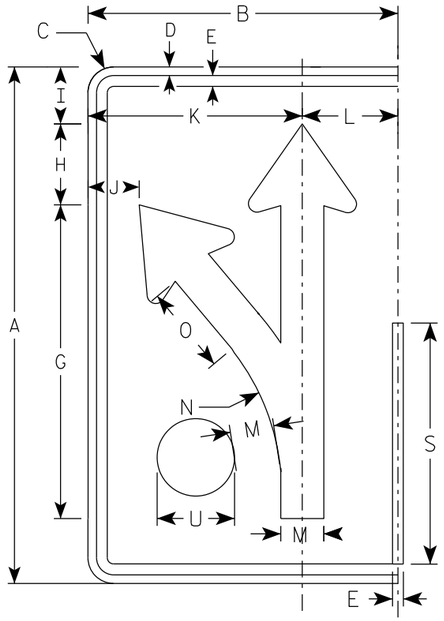
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

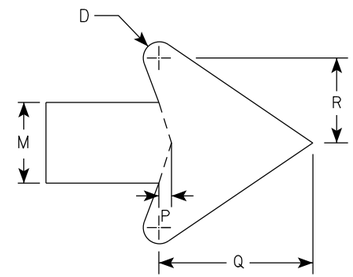
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 506	E

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

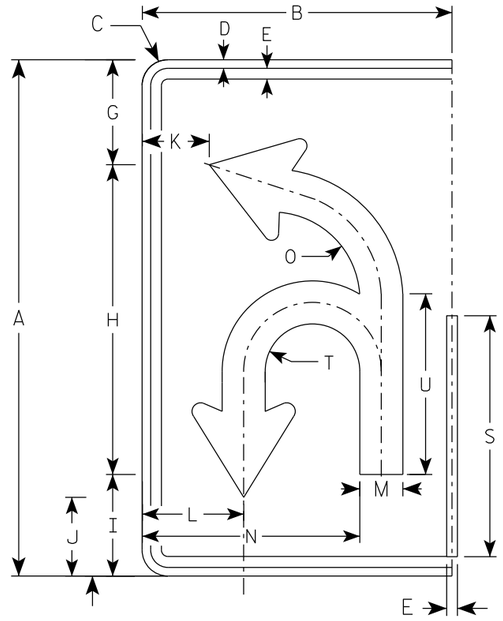
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

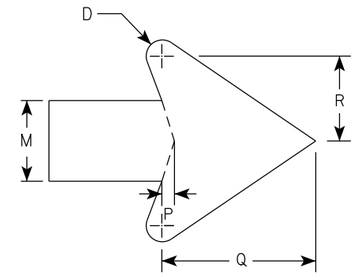
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 507 | E

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

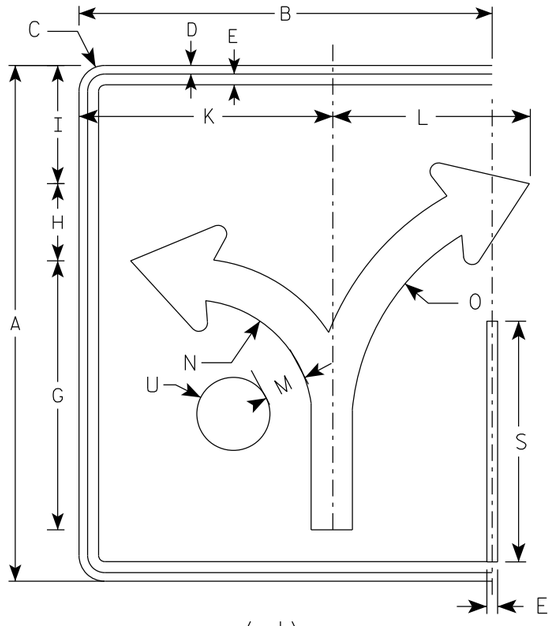
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

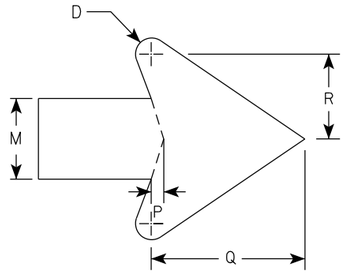
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 508 | E

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

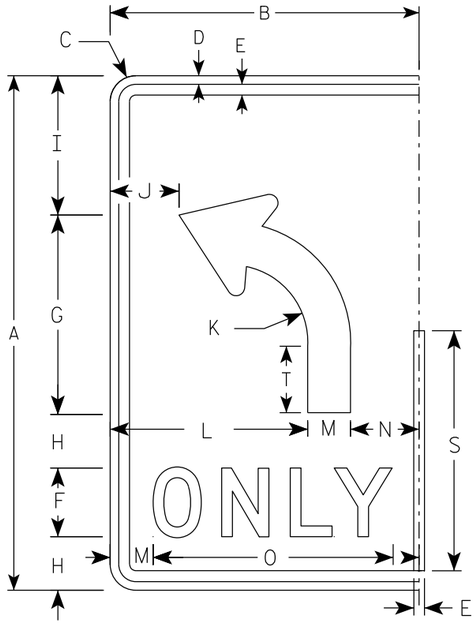
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 509 | E

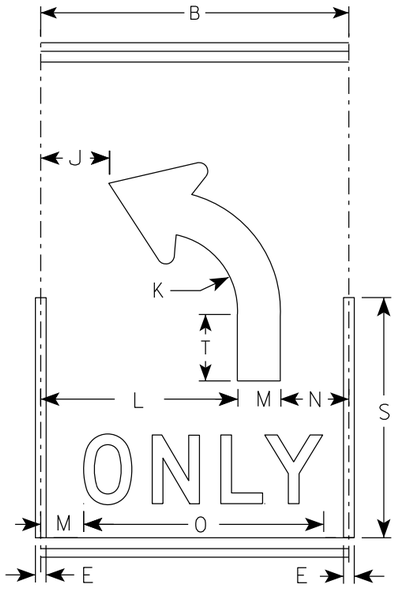
FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 14-FEB 2023 3:18 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTES

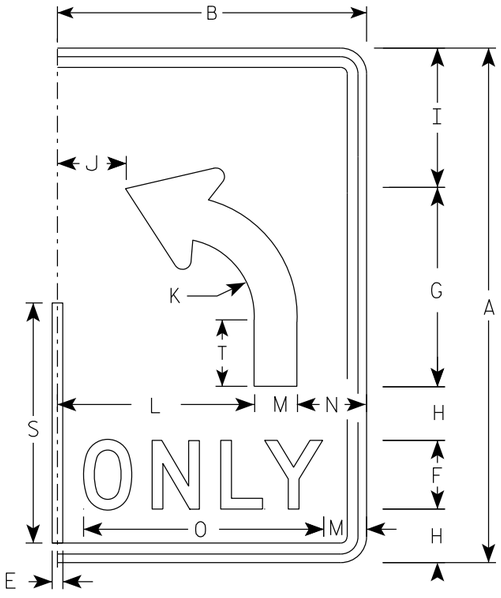
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



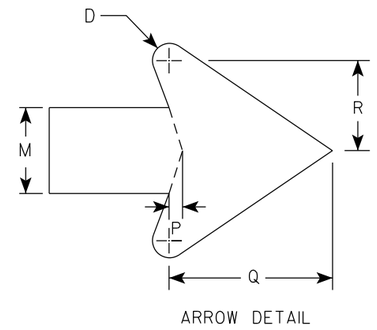
(L)



(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

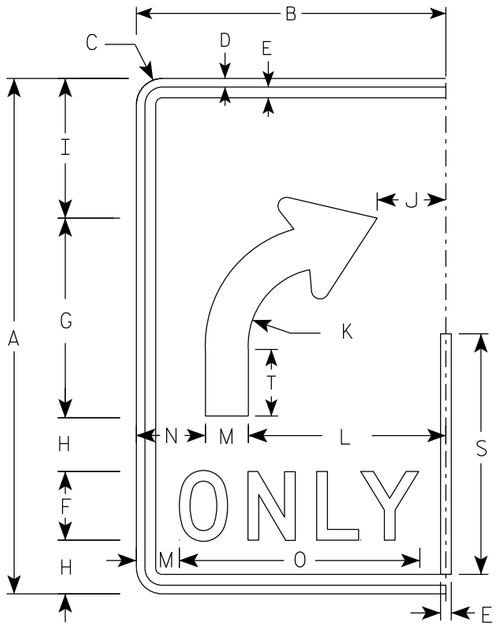
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

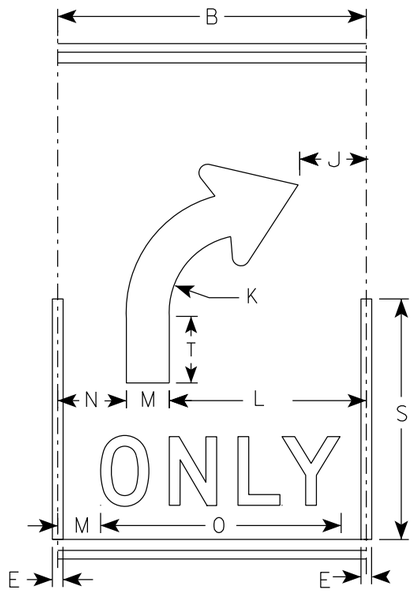
SHEET NO: 510 E

NOTES

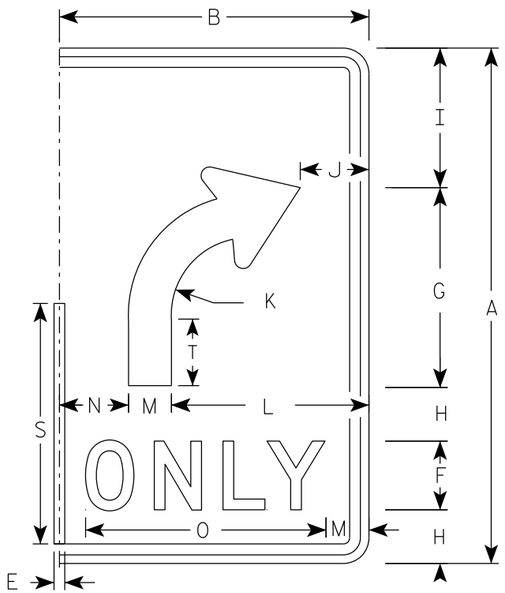
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



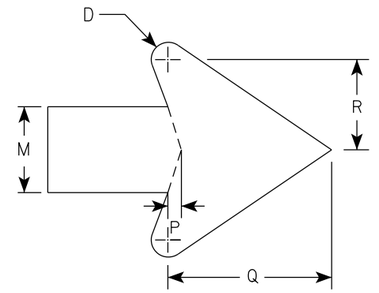
(R)



(R)



(R)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 1/2	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (R) Arrow

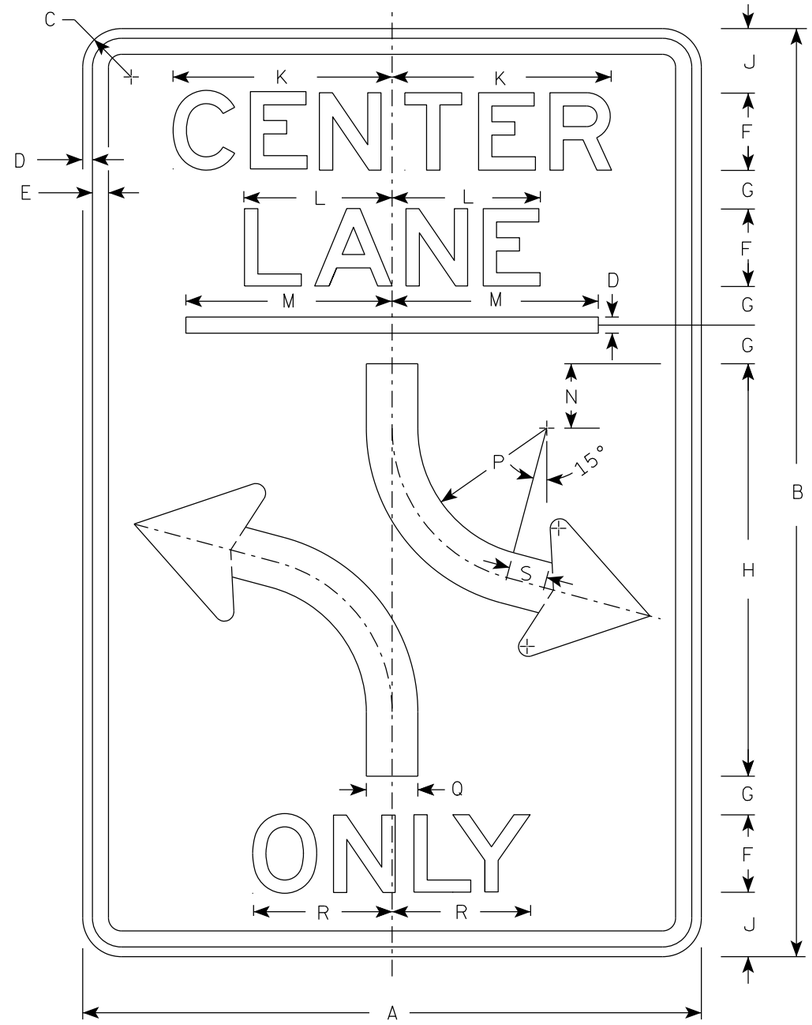
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

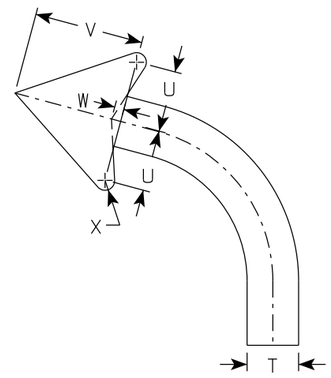
SHEET NO: 511 E



R3-9B

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 ½	⅜	½	3	1 ½	16		2 ½	8 ½	5 ¾	8	2 ½		6	2	5 ⅛	1 ½		2 ⅜	4 ⅜	⅜				6.0
2M	24	36	1 ½	⅜	½	3	1 ½	16		2 ½	8 ½	5 ¾	8	2 ½		6	2	5 ⅛	1 ½		2 ⅜	4 ⅜	⅜				6.0
3	36	48	1 ⅞	⅝	⅞	5	1 ½	20		3 ½	14 ⅛	9 ½	12	3		4	3	9 ⅞	2		3 ½	6 ⅛	½				12.0
4																											
5																											

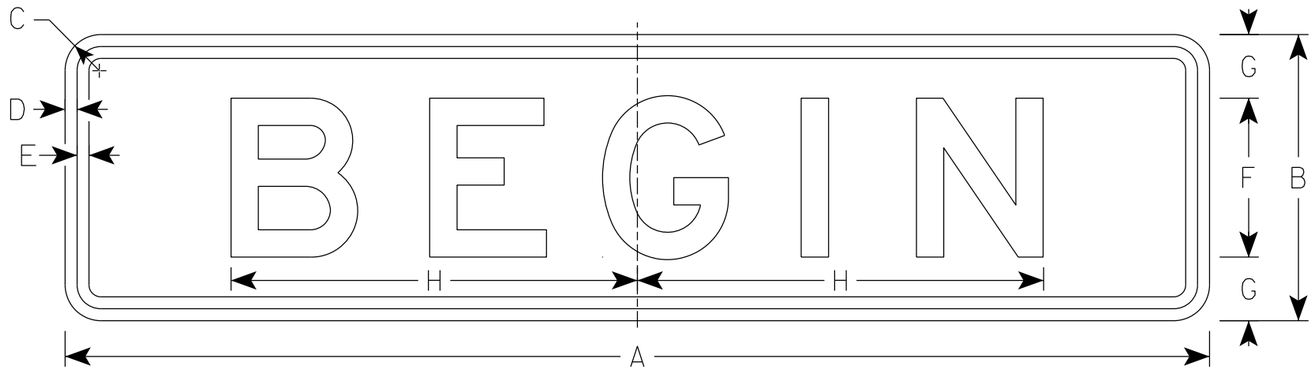
STANDARD SIGN
R3-9B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/15/23 PLATE NO. R3-9B.6

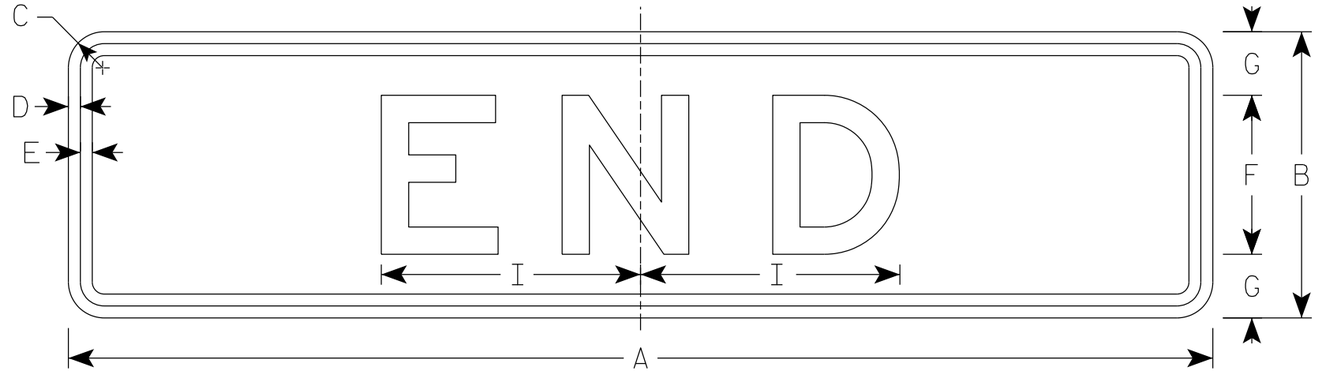
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 512 | E



R3-9C

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E



R3-9D

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	6	1 1/2	3/8	3/8	3	1 1/2	7 3/4	4 7/8																		1.0
2M	24	6	1 1/2	3/8	3/8	3	1 1/2	7 3/4	4 7/8																		1.0
3	36	9	1 1/2	3/8	3/8	5	2	12 3/4	8 1/8																		2.25
4																											
5																											

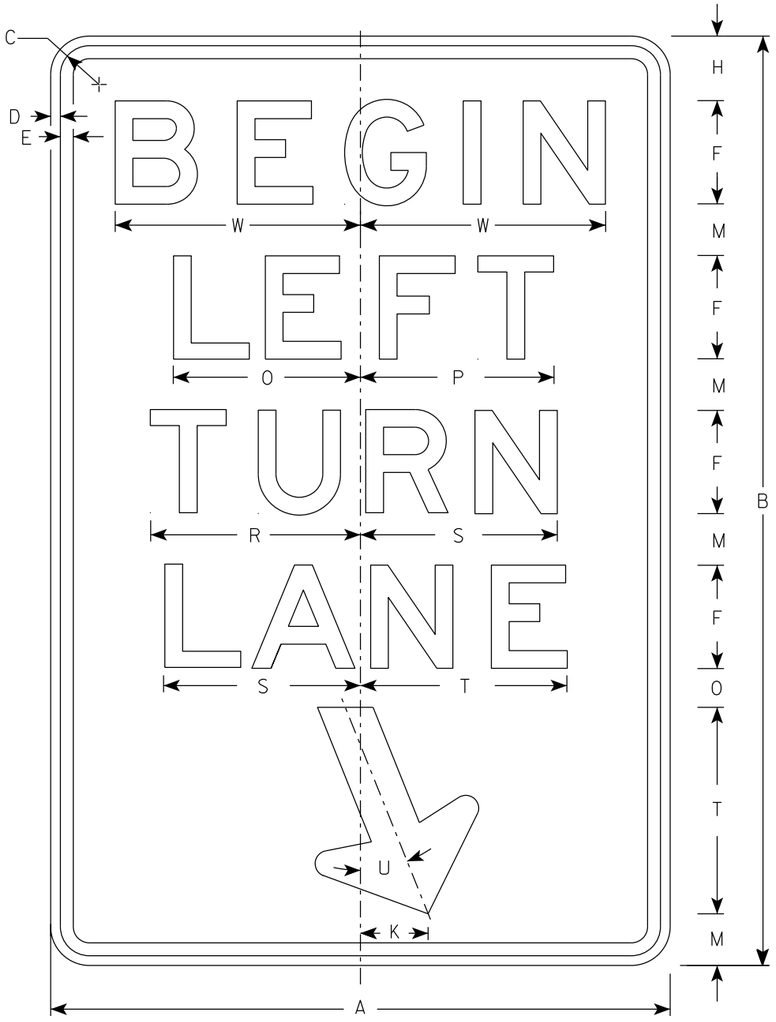
STANDARD SIGN
R3-9C & R3-9D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/23 PLATE NO. R3-9C.4

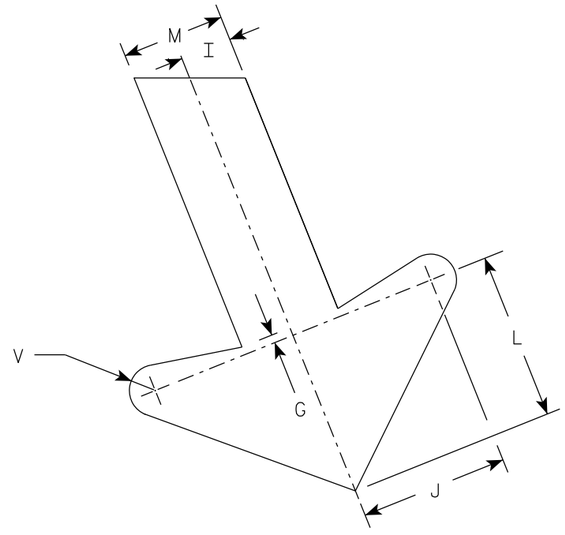
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 513 | E



R3-20L

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 7/8	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

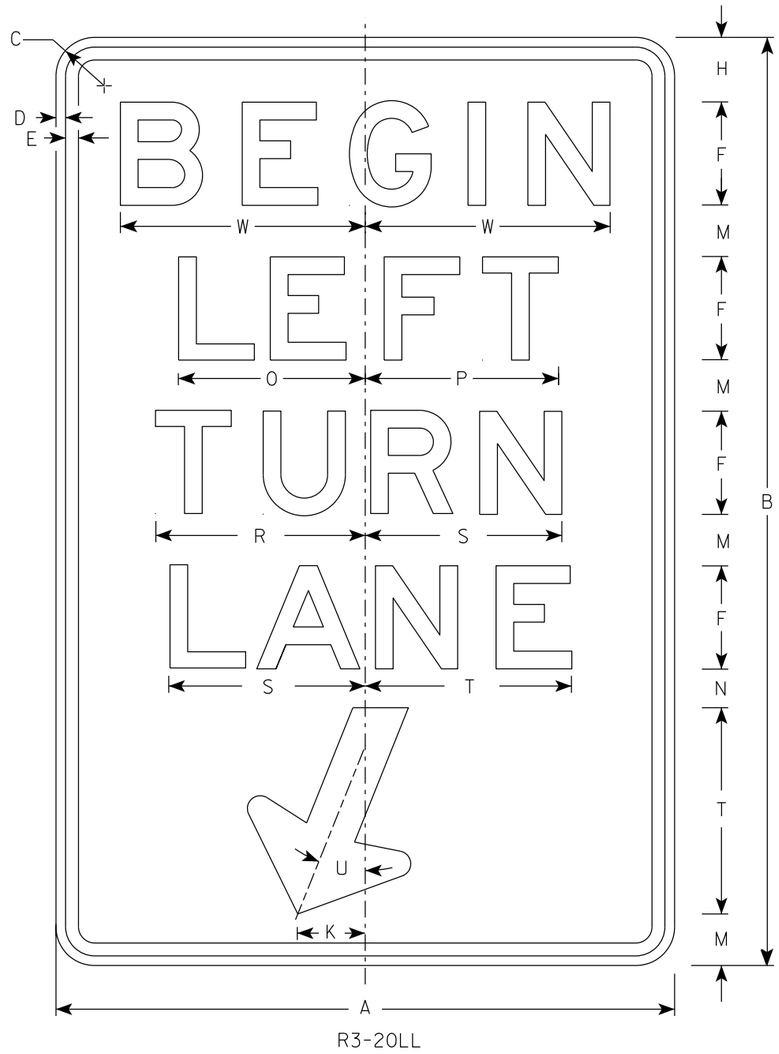
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/23 PLATE NO. R3-20L.8

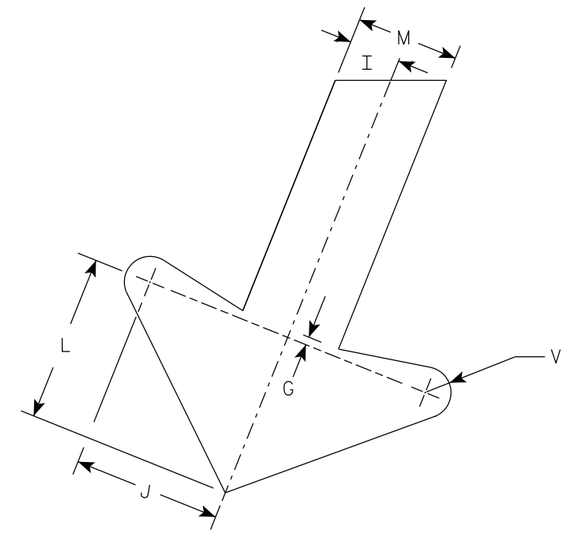
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 514	E



R3-20LL

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 7/8	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

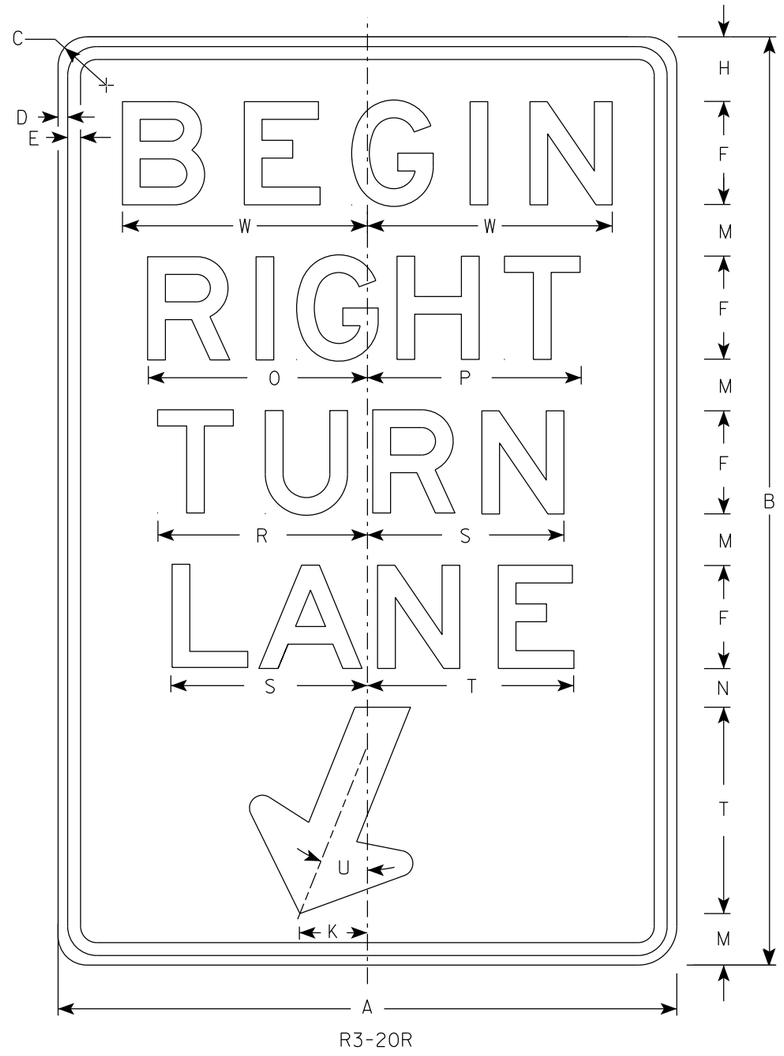
STANDARD SIGN
R3-20LL

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/23 PLATE NO. R3-20LL.2

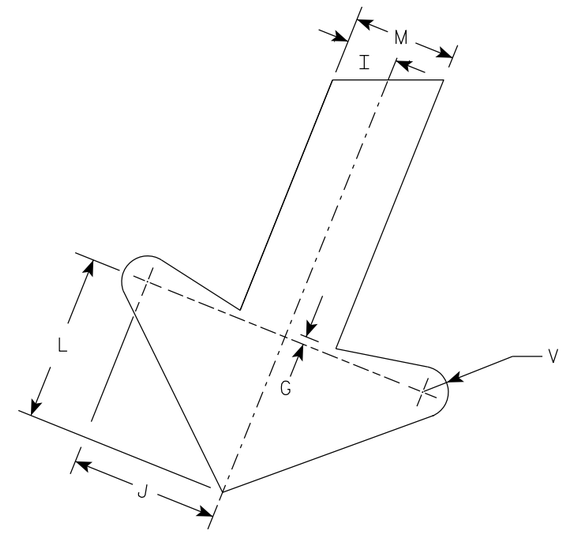
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 515 | E



R3-20R

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 7/8	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	12 3/4	12 1/2		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

STANDARD SIGN
R3-20R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

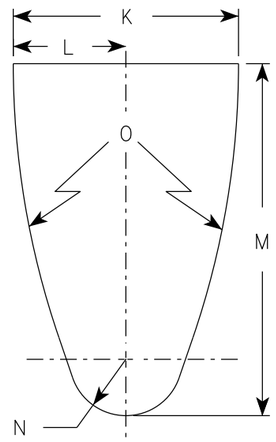
DATE 2/23/23 PLATE NO. R3-20R.7

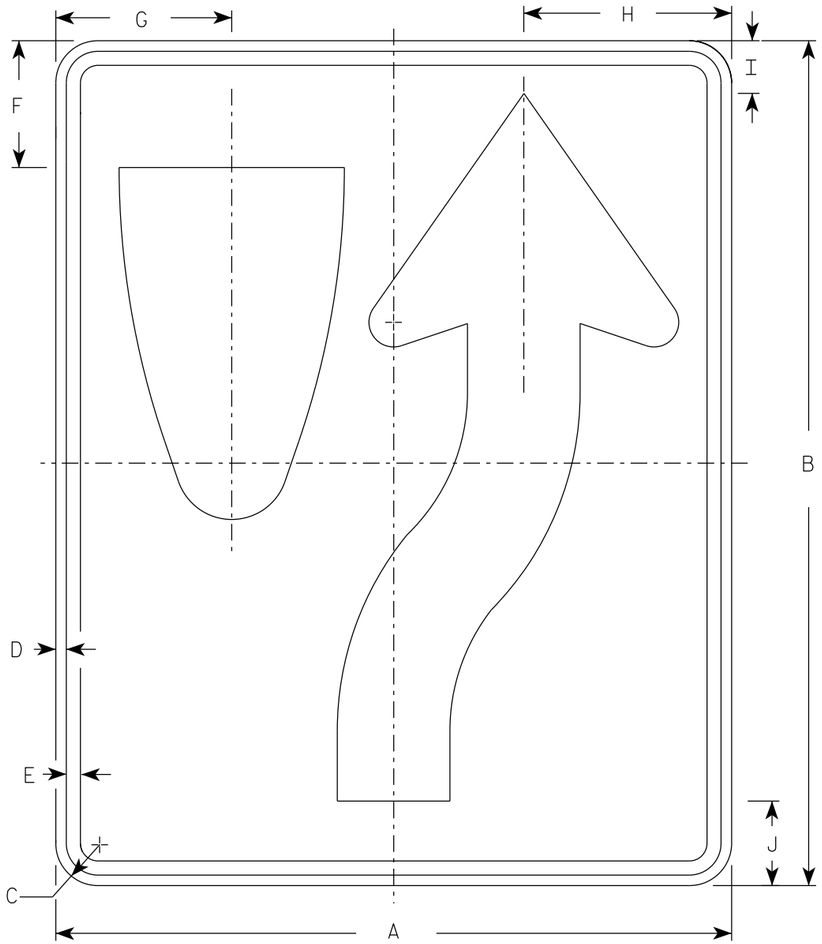
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 516 | E

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.

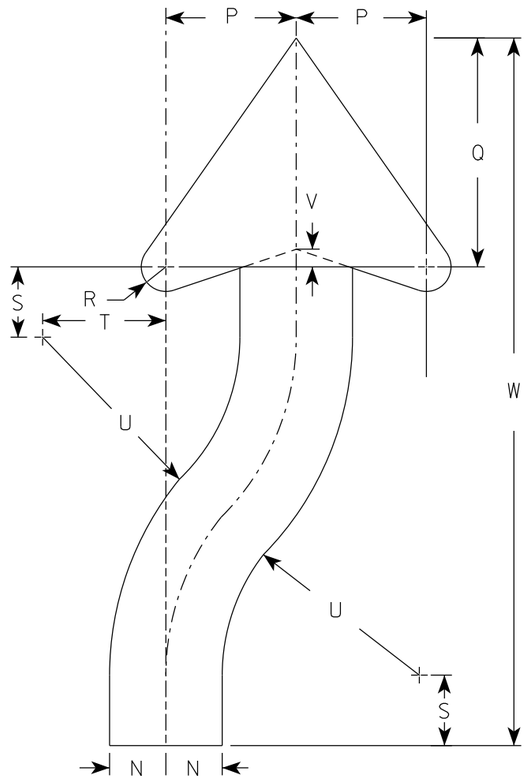
DIVIDER DETAIL





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

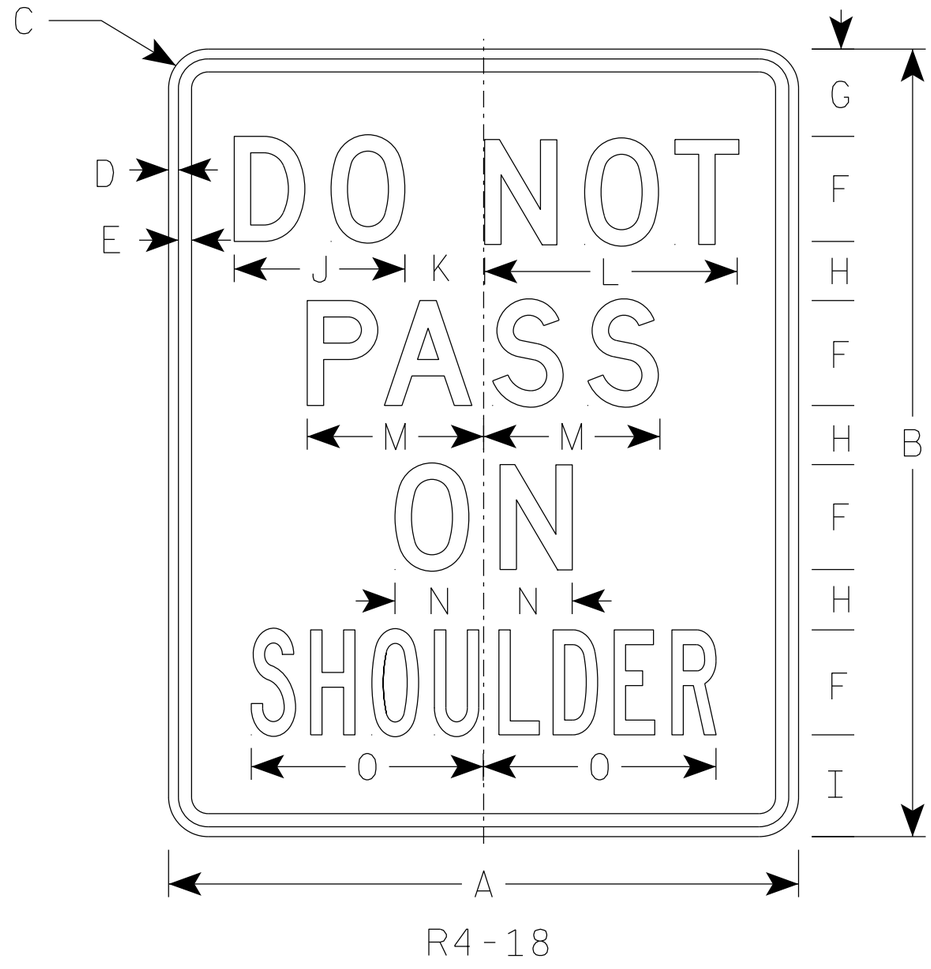
STANDARD SIGN
R4-7 & R4-8

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: 517	E



R4-18

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - Series D except last line is Series B

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	30	1 1/2	3/8	1/2	4	3 3/8	2 1/4	3 7/8	6 1/2	3	9 5/8	6 3/4	3 3/8	8 7/8												5.0
2M	24	30	1 1/2	3/8	1/2	4	3 3/8	2 1/4	3 7/8	6 1/2	3	9 5/8	6 3/4	3 3/8	8 7/8												5.0
3	36	48	1 7/8	1/2	5/8	6	5 1/4	4 1/2	5 1/4	9 7/8	4	15 1/8	10 5/8	5 1/4	13 1/4												12.0
4	36	48	1 7/8	1/2	5/8	6	5 1/4	4 1/2	5 1/4	9 7/8	4	15 1/8	10 5/8	5 1/4	13 1/4												12.0
5	48	60	3	1/2	5/8	8	6 1/2	5	6 1/2	13	6	19 3/8	13 1/2	6 3/4	17 3/4												20.0

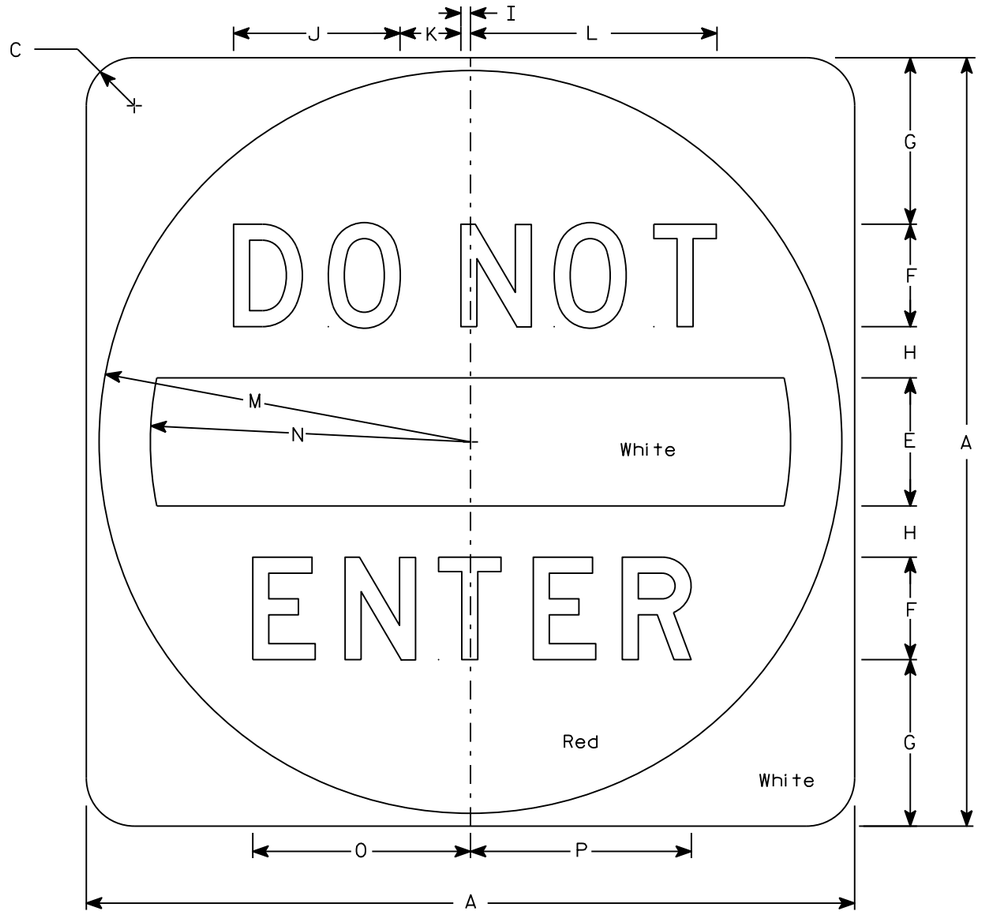
STANDARD SIGN
R4-18

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/17/23 PLATE NO. R4-18.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 518 | 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

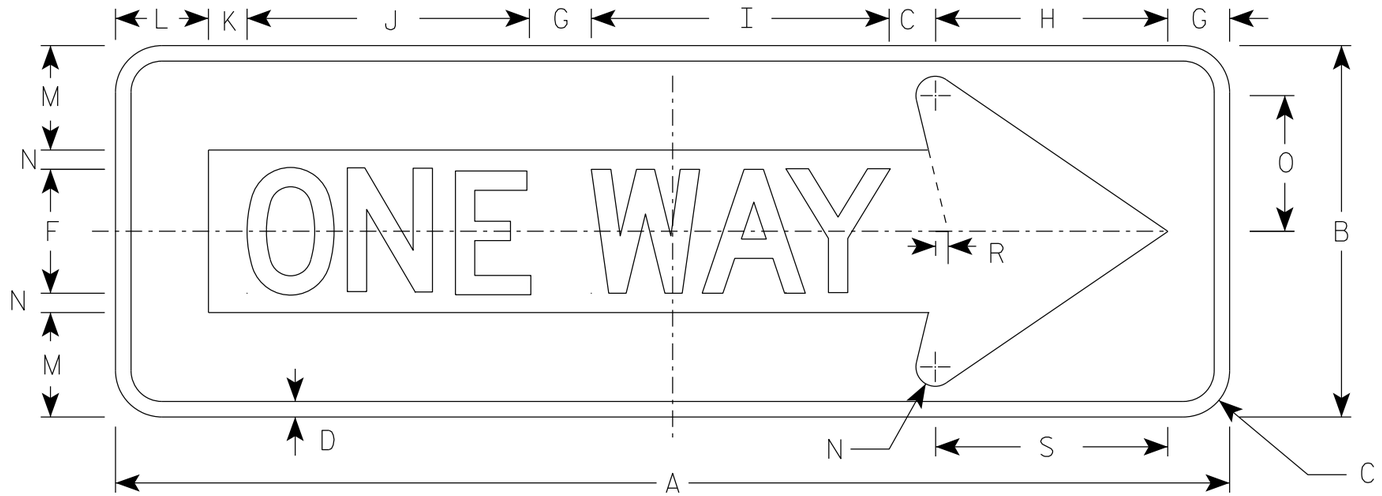
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

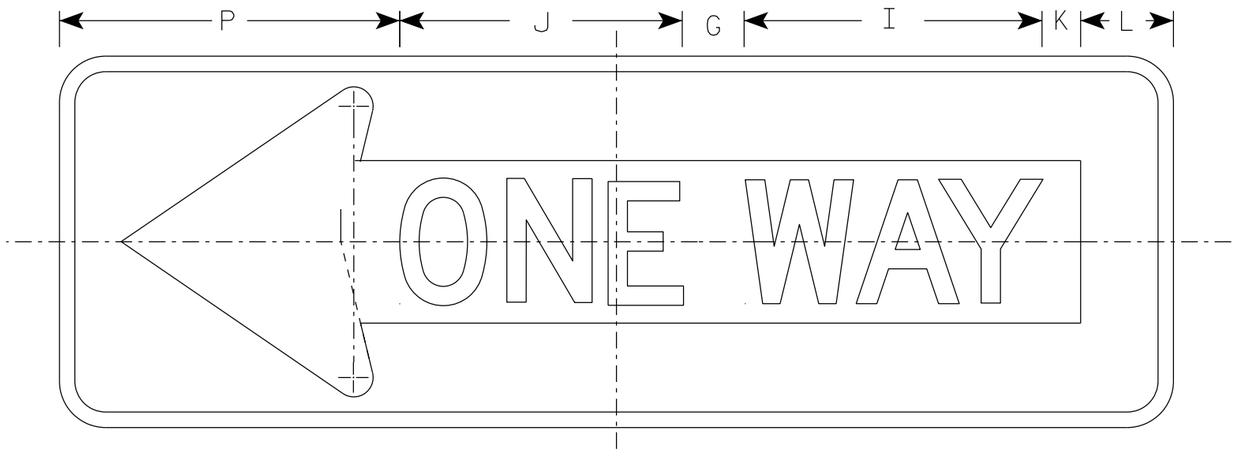
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 519 | E



R6-1R

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Black
   Message - Black Legend & White Arrow & Border
3. Message Series - D



R6-1L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36	12	1 ½	½		4	2	7 ½	9 ⅝	9 ⅛	1 ¼	3	3 ⅜	⅝	4 ⅜	11		⅜	7 ½								3.0
2M	54	18	1 ½	¾		6	3	11 ¼	13 ⅝	14 ½	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
3	54	18	1 ½	¾		6	3	11 ¼	13 ⅝	14 ½	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
4	54	18	1 ½	¾		6	3	11 ¼	13 ⅝	14 ½	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
5																											

STANDARD SIGN
R6-1 L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

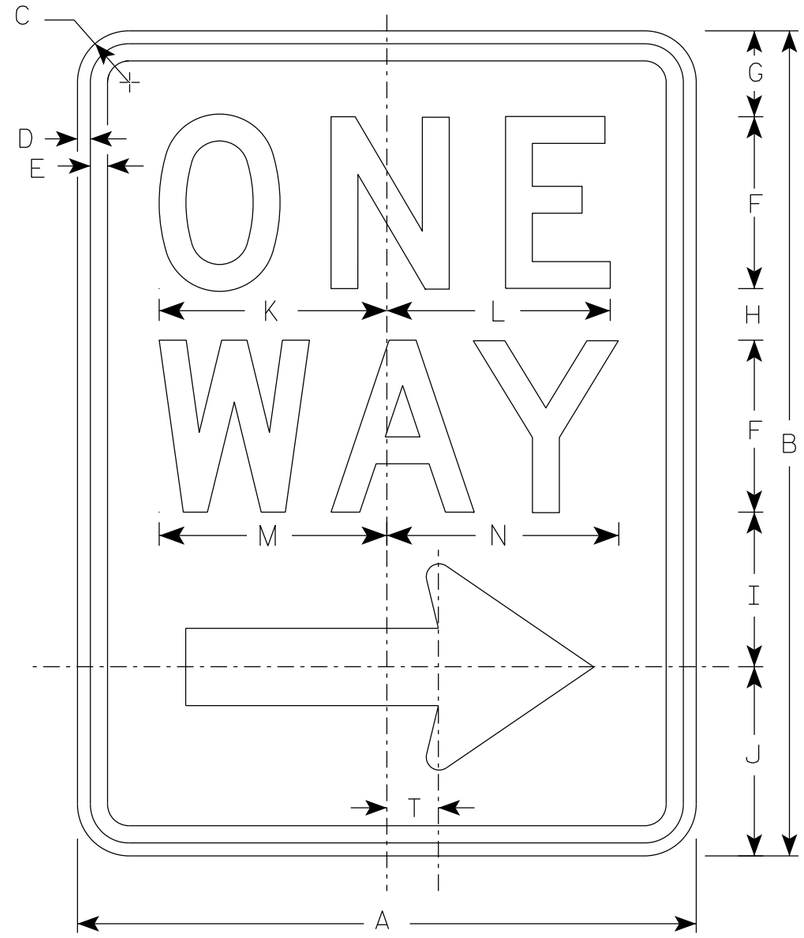
DATE 8/30/23 PLATE NO. R6-1.4

PROJECT NO:

SHEET NO: 520 E

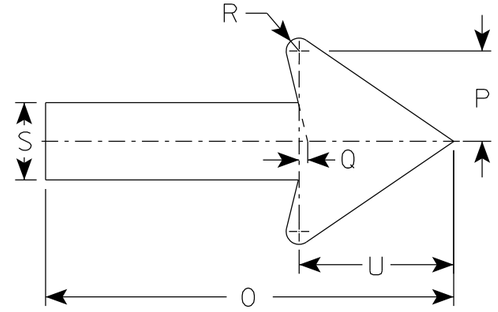
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. R6-2L same as R6-2R except arrow points to the left.



R6-2R

Arrow Detail



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	18	24	1 1/2	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	1 1/2	1 1/2	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 7/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

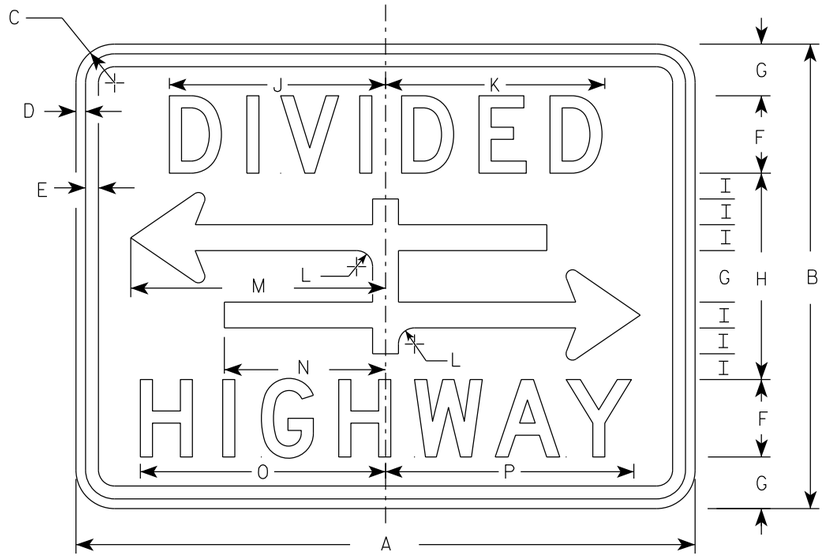
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

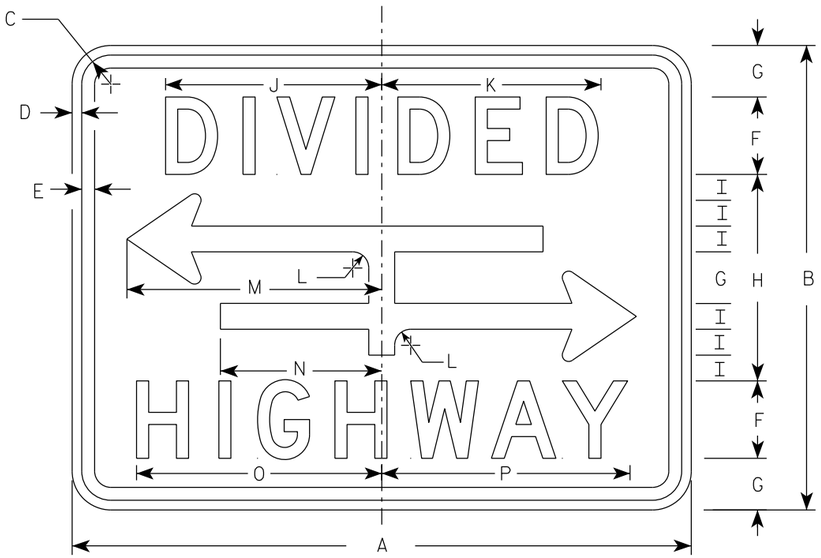
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 521	E

NOTES

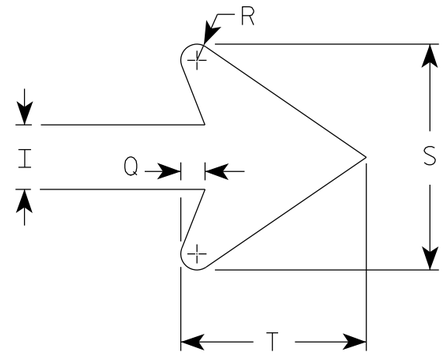
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



R6-3



R6-3A



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	18	1 1/2	3/8	3/8	3	2	8	1	8 3/8	8 1/2	5/8	9 7/8	6 1/4	9 1/2	9 5/8	3/8	1/4	3 1/2	2 3/4							3.0
2S	30	24	1 1/2	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
2M	30	24	1 1/2	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
3																											
4																											
5																											

STANDARD SIGN
R6-3 & R6-3A

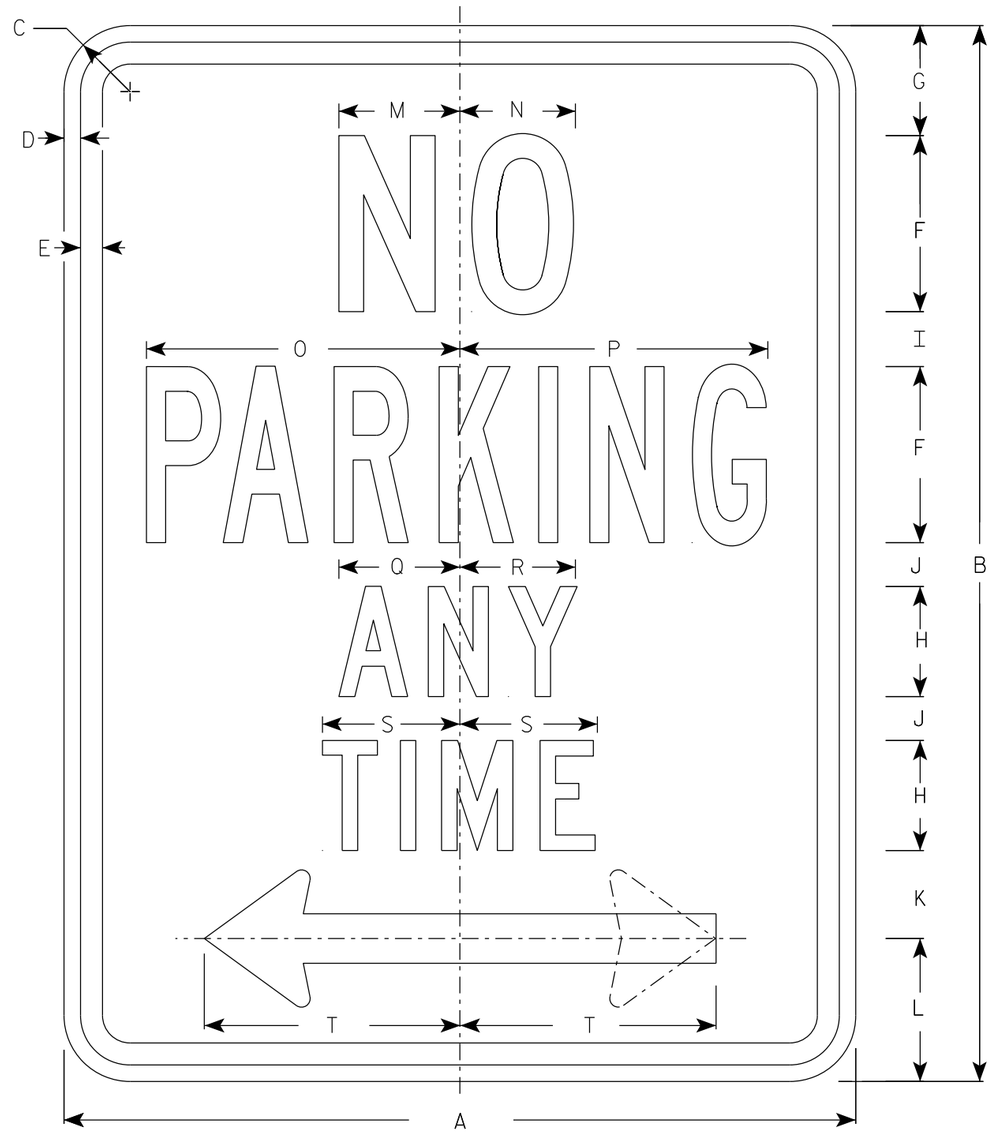
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/26/23 PLATE NO. R6-3.6

PROJECT NO:

SHEET NO: 522 E

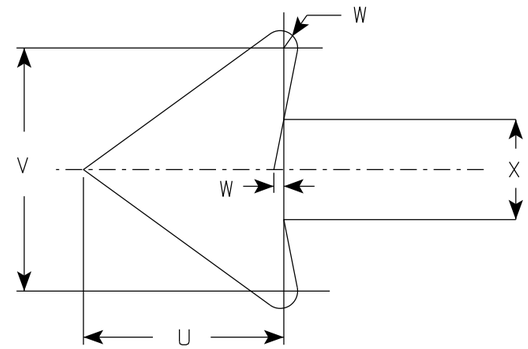


R7-1

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

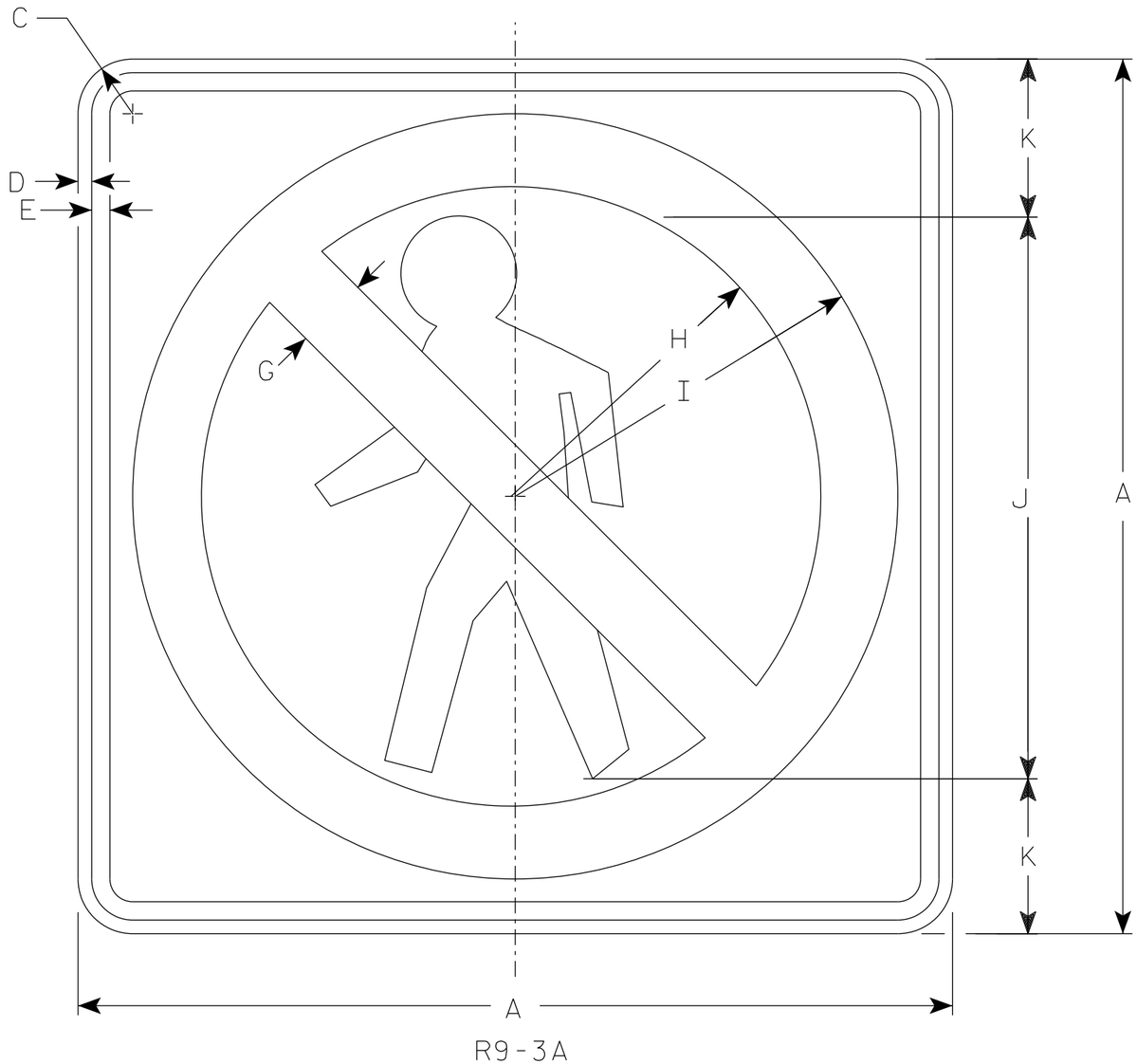
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/26/23 PLATE NO. R7-1.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 523 | E

7

7



R9-3A

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 3
3. Border & Pedestrian are non-reflective black. Circle with diagonal bar is reflective red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18		1 1/2	3/8	3/8		1 1/2	6 1/4	7 7/8	12	3																2.25
2S	24		1 1/2	3/8	1/2		2	8 1/2	10 1/2	15	4																4.00
2M	24		1 1/2	3/8	1/2		2	8 1/2	10 1/2	15	4																4.00
3																											
4																											
5																											

STANDARD SIGN
R9-3A

WISCONSIN DEPT OF TRANSPORTATION

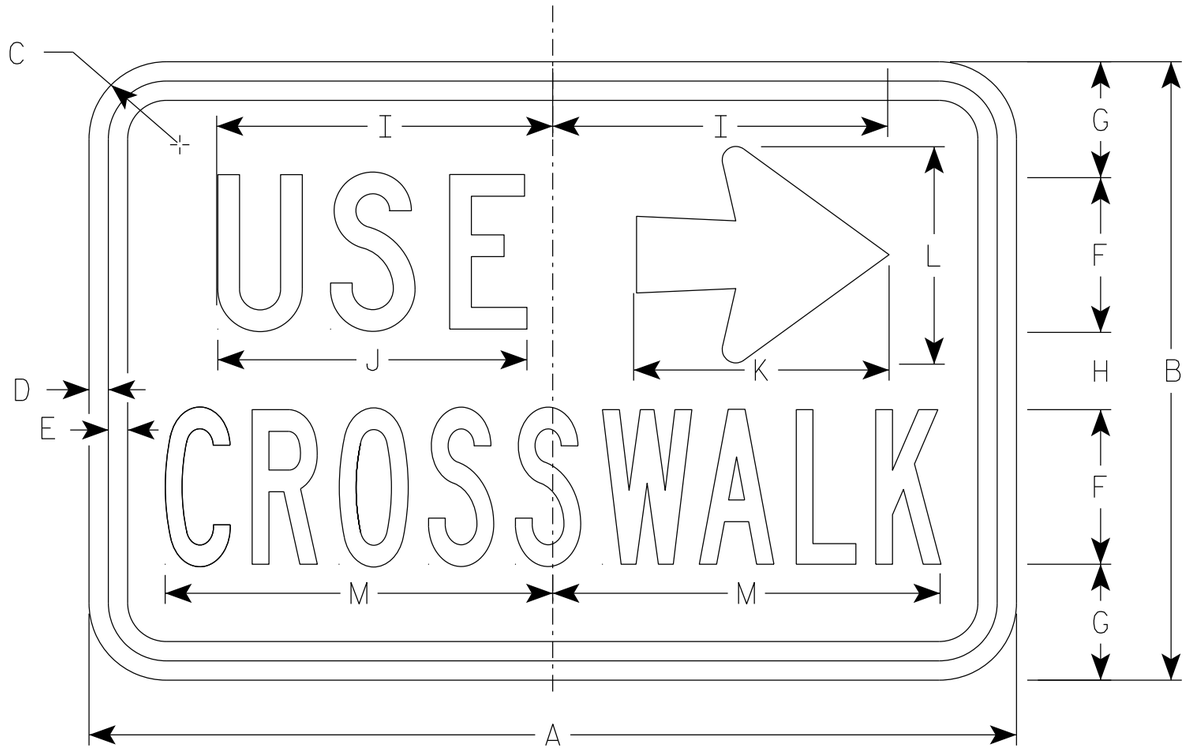
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/23/24 PLATE NO. R9-3A.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 524 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C Line 1, Series B Line 2



R9-3B

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	18	12	1 ½	⅜	⅜	3	2 ¼	1 ½	6 ½	6	5	4 ¼	7 ½														1.5
2M	18	12	1 ½	⅜	⅜	3	2 ¼	1 ½	6 ½	6	5	4 ¼	7 ½														1.5
3																											
4																											
5																											

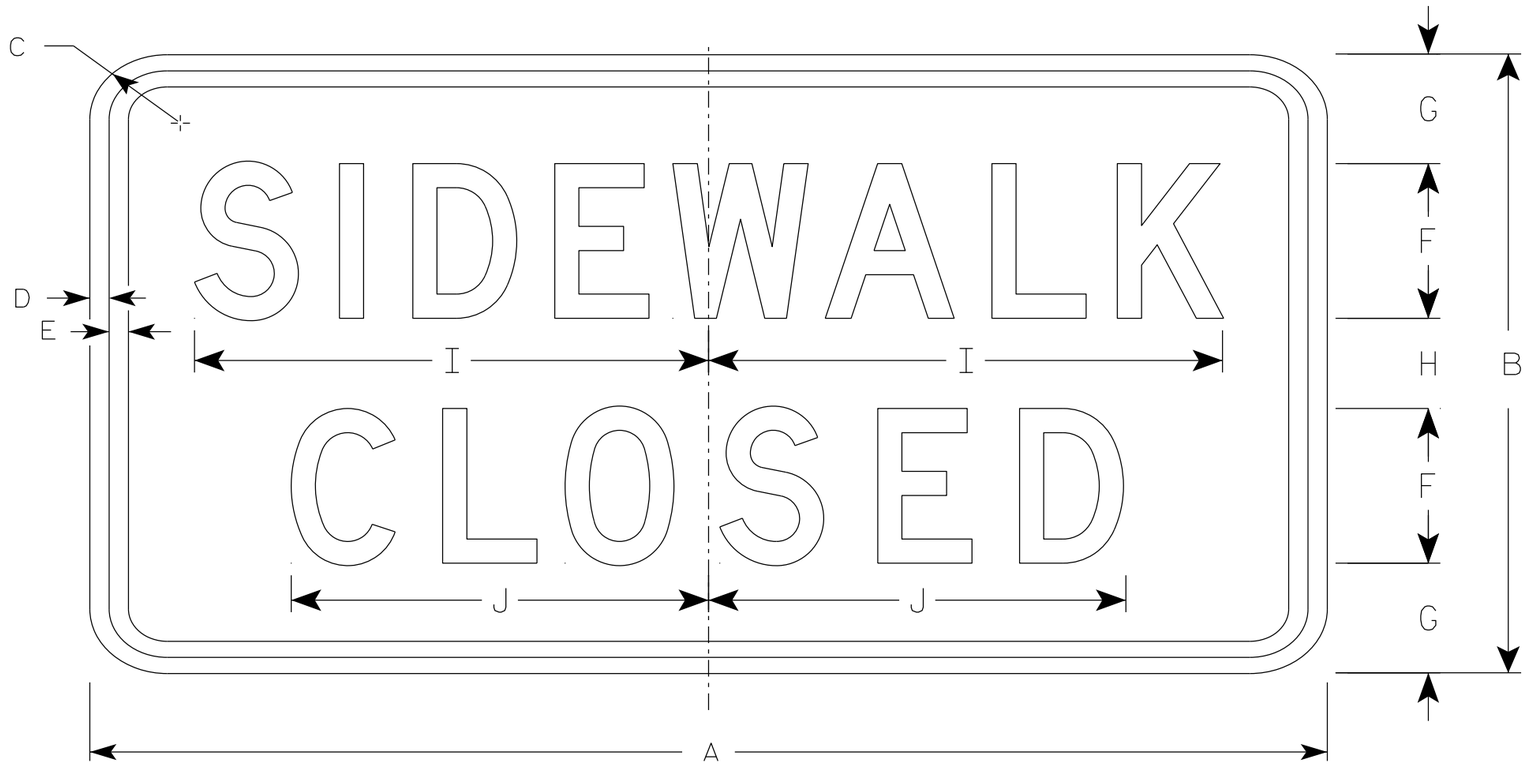
STANDARD SIGN
R9-3B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/23/24 PLATE NO. R9-3B.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 525 | E



R9-9

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 ½	½	½	3	2 ⅛	1 ¾	10	8 ⅛																	2.0
2M	24	12	1 ½	½	½	3	2 ⅛	1 ¾	10	8 ⅛																	2.0
3	30	18	1 ½	½	½	4	3 ½	3	12 ½	10 ¼																	3.75
4																											
5																											

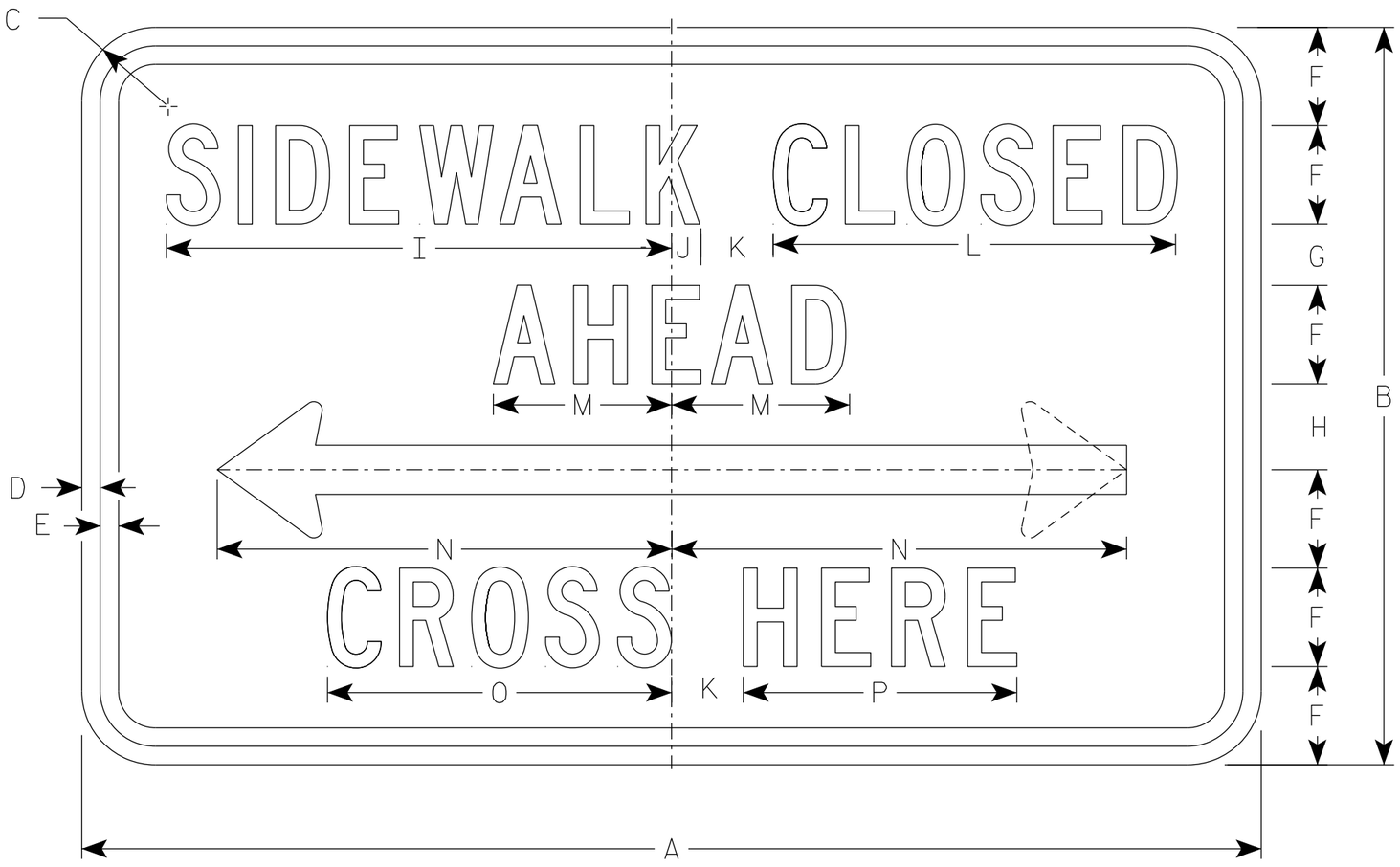
STANDARD SIGN
R9-9

WISCONSIN DEPT OF TRANSPORTATION

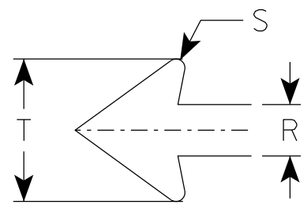
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/24 PLATE NO. R9-9.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 526 | E



R9-11



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C except Size 1 is Series D
4. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.
5. R9-11 D (double arrow)
   R9-11 L (left arrow)
   R9-11 R (right arrow)

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/2	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
2M	24	12	1 1/2	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
3	30	15	1 1/2	3/8	1/2	2	1 1/2	1 1/2	13	3/4	2	10 1/4	4 5/8	12 3/8	8 7/8	6 7/8		1 1/4	1/4	3 5/8							3.125
4																											
5																											

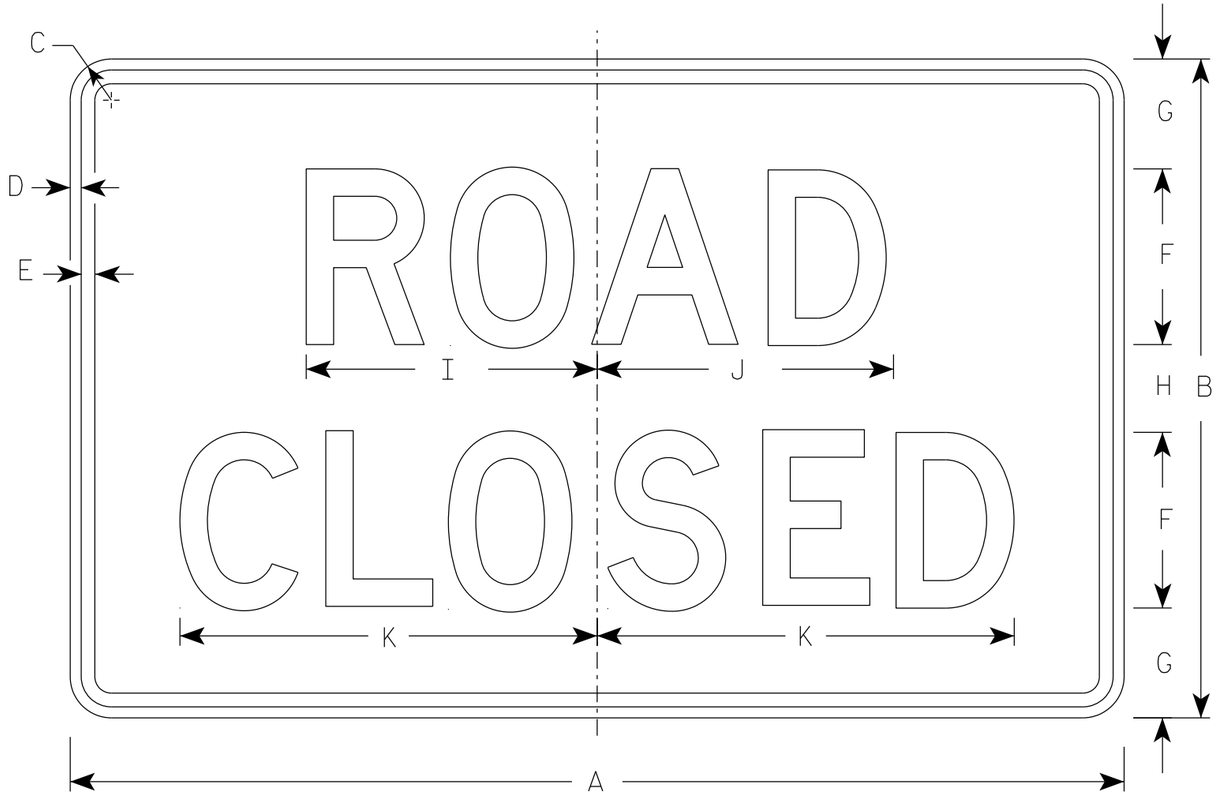
STANDARD SIGN
R9-11

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/24 PLATE NO. R9-11.5

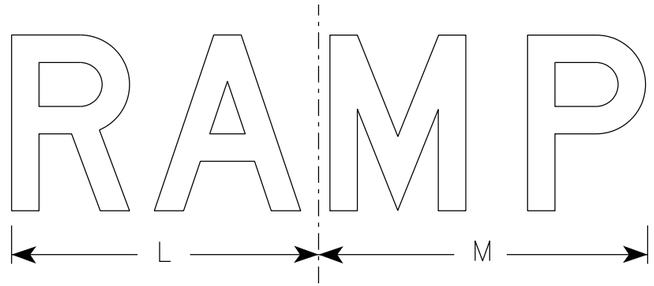
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 527	E



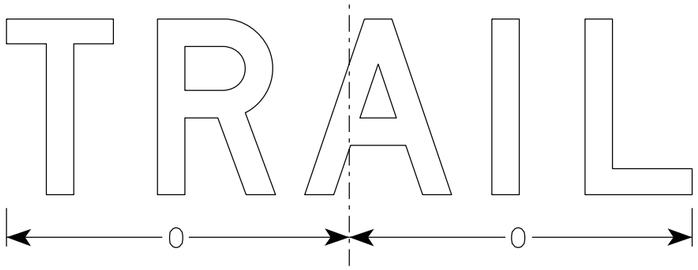
R11-2

NOTES

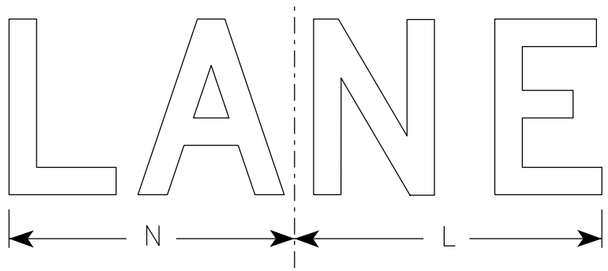
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2T



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
2M	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
3	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
4	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
5	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0

STANDARD SIGN
R11-2

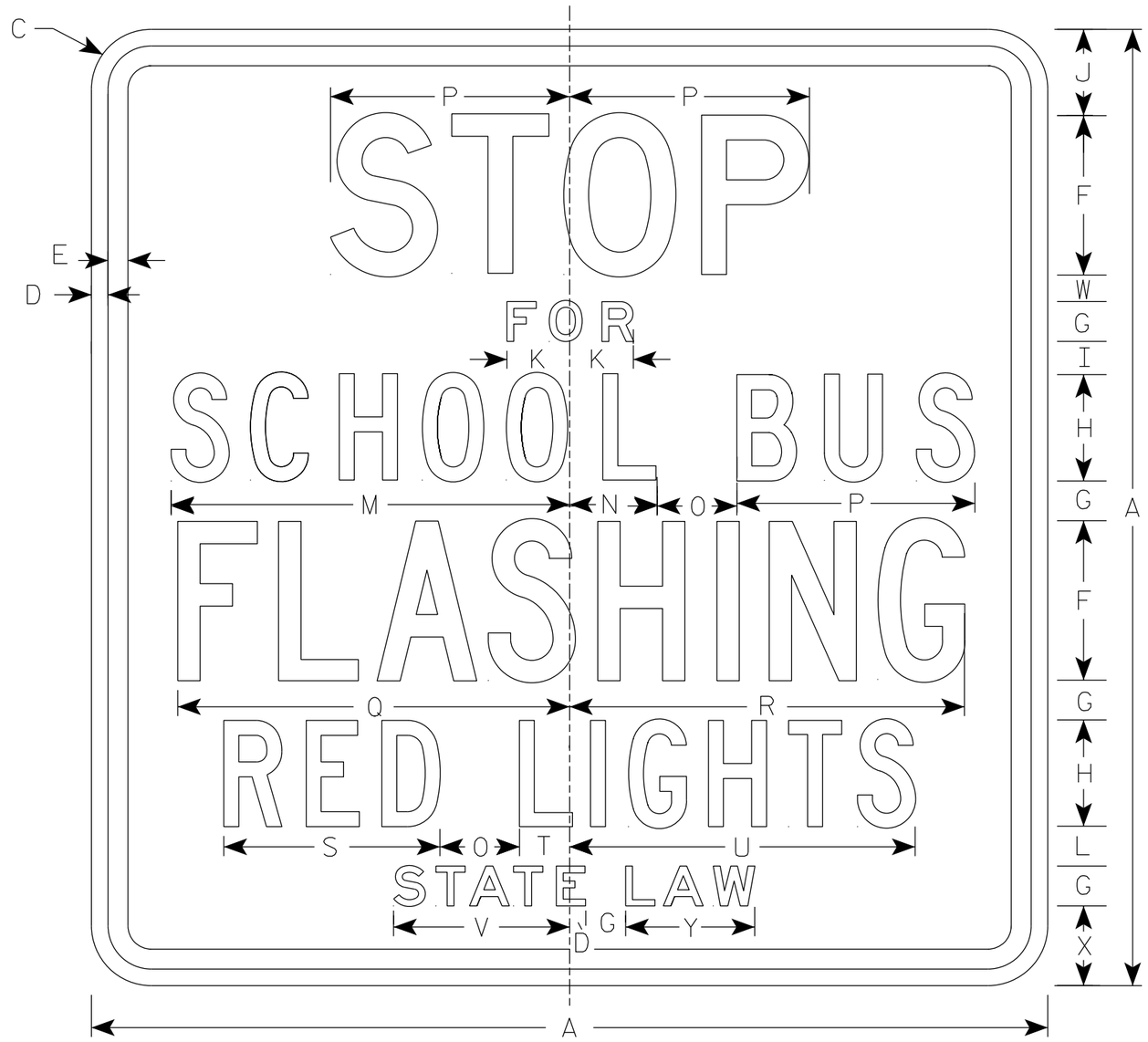
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-2.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R112.dgn PLOT DATE : 5-FEB 2024 2:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



R59-51

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - Line 1 is Series D
   Lines 2 & 6 are Series E
   Line 3, 4 & 5 are 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																											
2S	36		2 1/4	5/8	3/4	6	1 1/2	4	1 1/4	3 1/4	2 3/8	1 1/2	15	3 1/4	3	9	14 3/4	14 7/8	8 1/8	1 7/8	13	6 5/8	1	3	4 7/8		9.0
2M	36		2 1/4	5/8	3/4	6	1 1/2	4	1 1/4	3 1/4	2 3/8	1 1/2	15	3 1/4	3	9	14 3/4	14 7/8	8 1/8	1 7/8	13	6 5/8	1	3	4 7/8		9.0
3	48		1 7/8	3/4	1	8	2	6	1 1/4	4 3/4	3 1/4	1 1/2	20 1/4	5	3 5/8	12	19 1/2	20	11 5/8	3 3/4	19	9 1/2	1	3 1/2	6 3/4		16.0
4	48		1 7/8	3/4	1	8	2	6	1 1/4	4 3/4	3 1/4	1 1/2	20 1/4	5	3 5/8	12	19 1/2	20	11 5/8	3 3/4	19	9 1/2	1	3 1/2	6 3/4		16.0
5																											

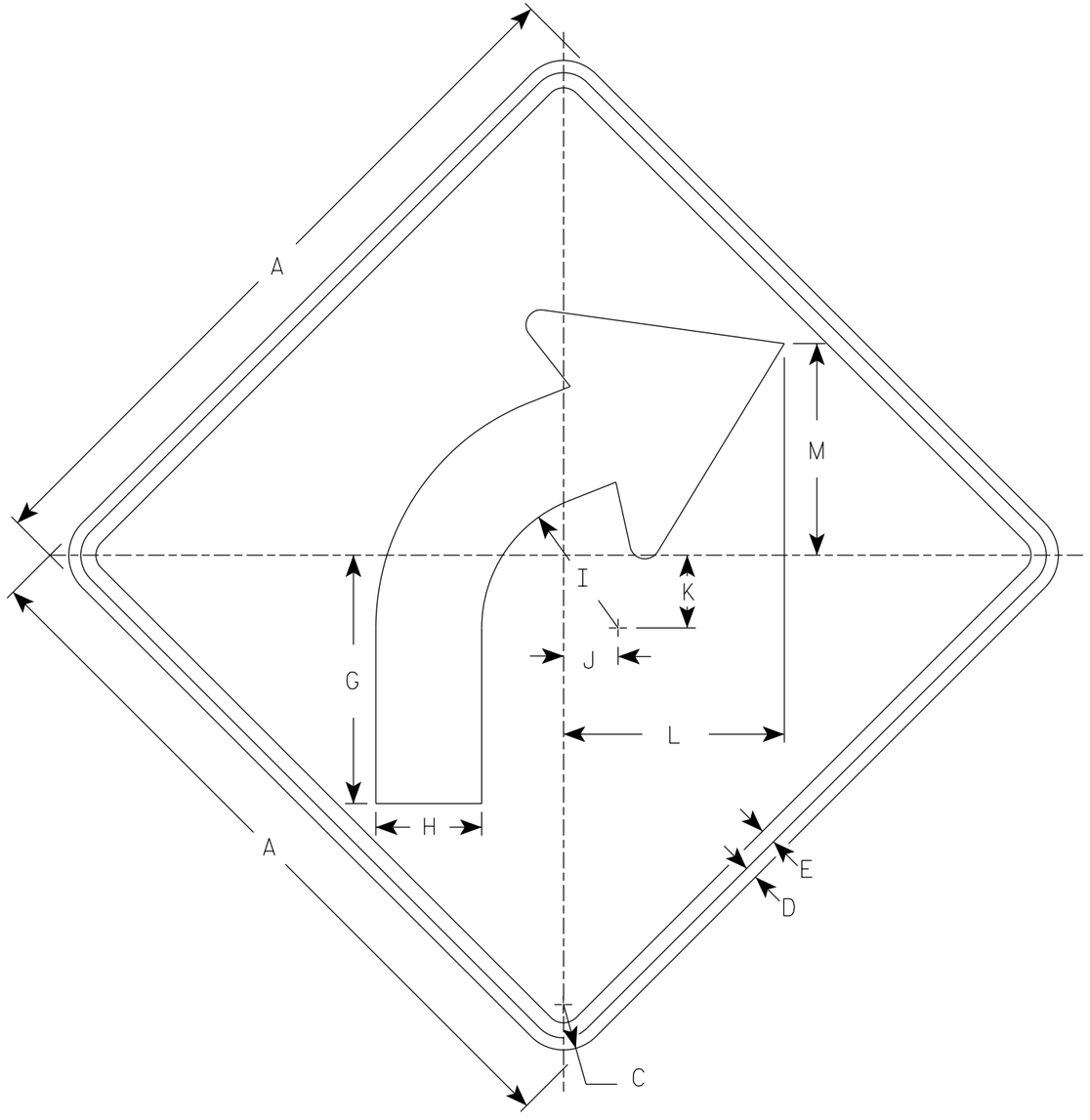
STANDARD SIGN
R59-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/28/24 PLATE NO. R59-51.11

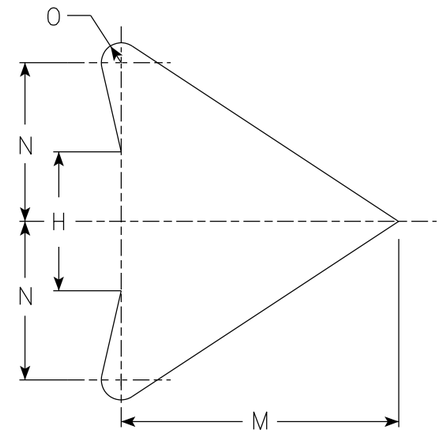
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 529 | E



W1-2R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. W1-2L is the same as W1-2R except the arrow is reversed along the vertical centerline.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/2	3/8	1/2		8 1/4	3 1/2	4 1/2	1 3/4	2 3/8	7 1/4	7	4	1/2												4.0
2S	30		1 7/8	1/2	5/8		10 1/4	4 3/8	5 5/8	2 1/4	3	9 1/8	8 3/4	5	5/8												6.25
2M	36		2 1/4	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
3	36		2 1/4	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
4	36		2 1/4	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
5	48		3	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0

STANDARD SIGN
W1-2

WISCONSIN DEPT OF TRANSPORTATION

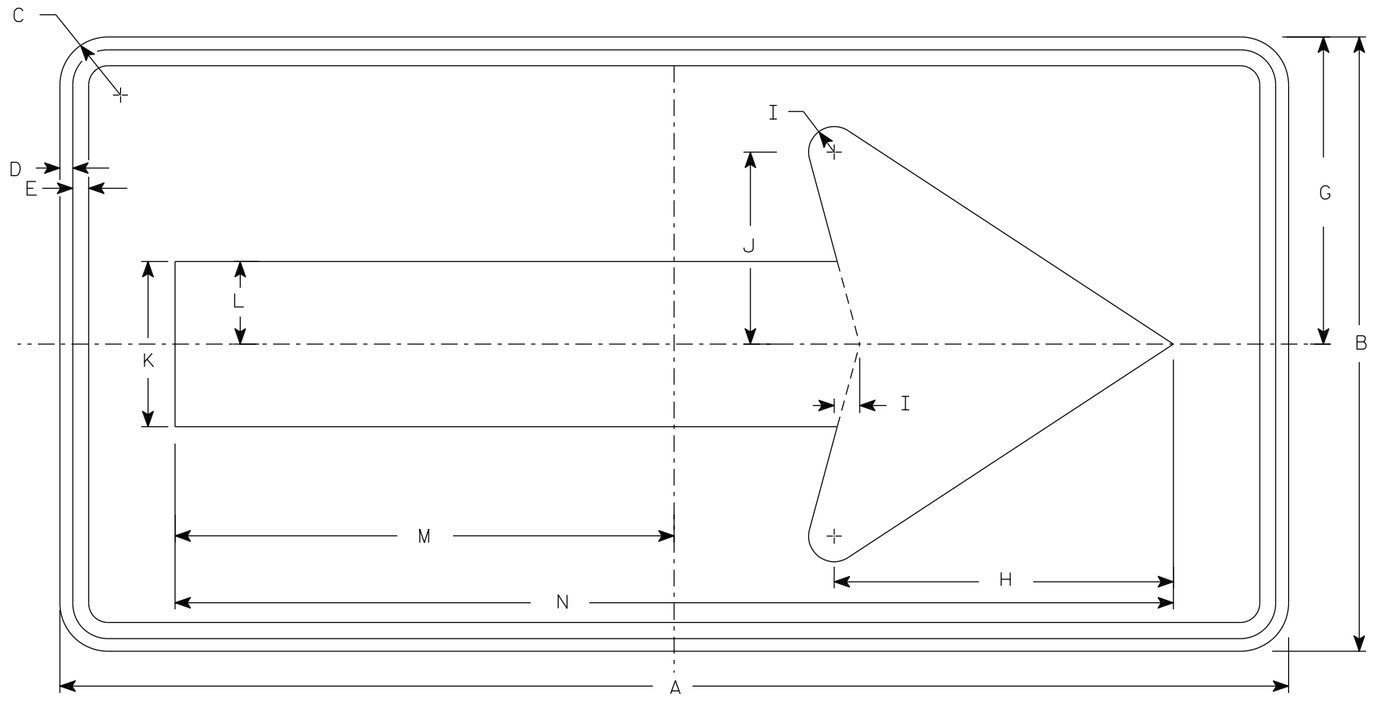
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/23/2023 PLATE NO. W1-2.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 530	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

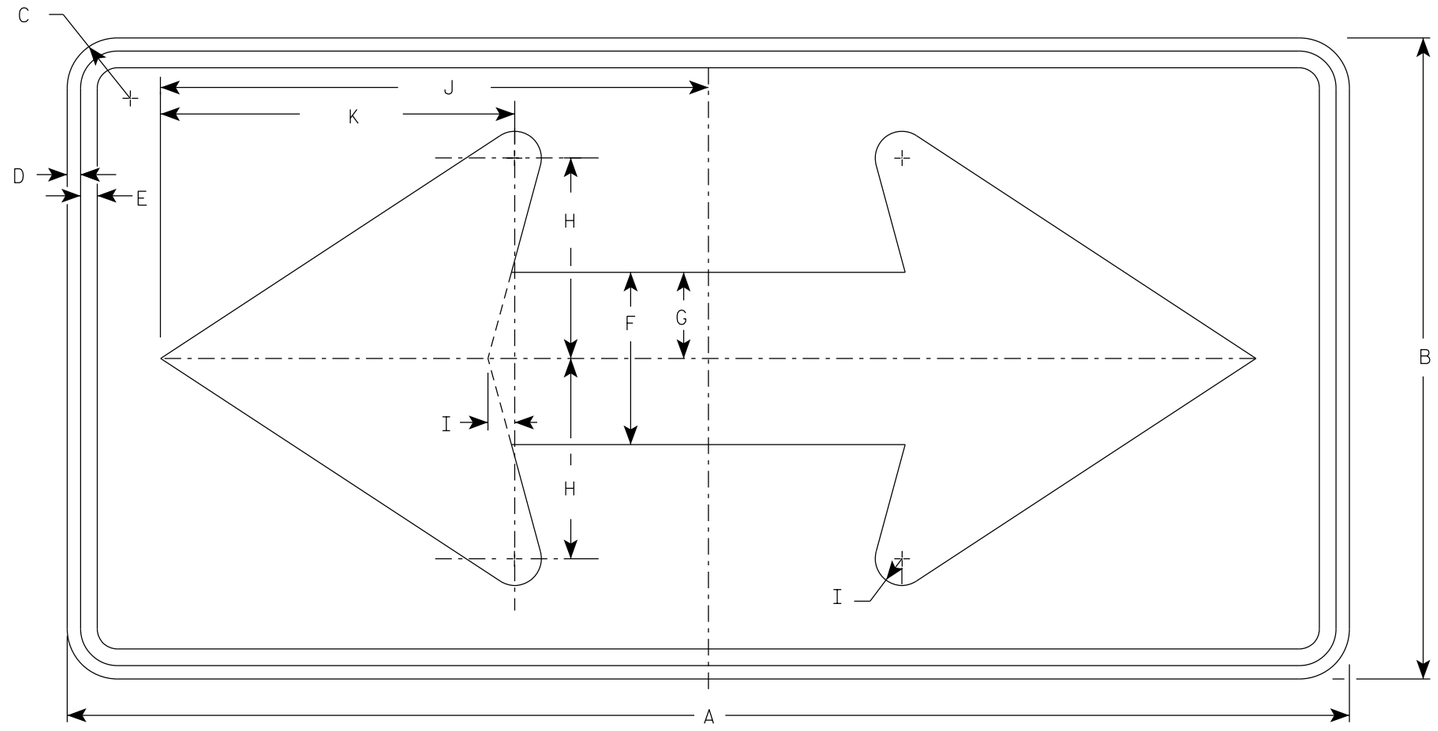
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/13/2023 PLATE NO. W1-6.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black



W1-7

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	5	2 1/2	5 3/4	3/4	15 5/8	10 1/8																4.5
2S	48	24	1 7/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 7/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 7/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 7/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	96	48	3	3/4	1	13	6 1/2	15	2	41	26 1/2																32.0

STANDARD SIGN
W1-7

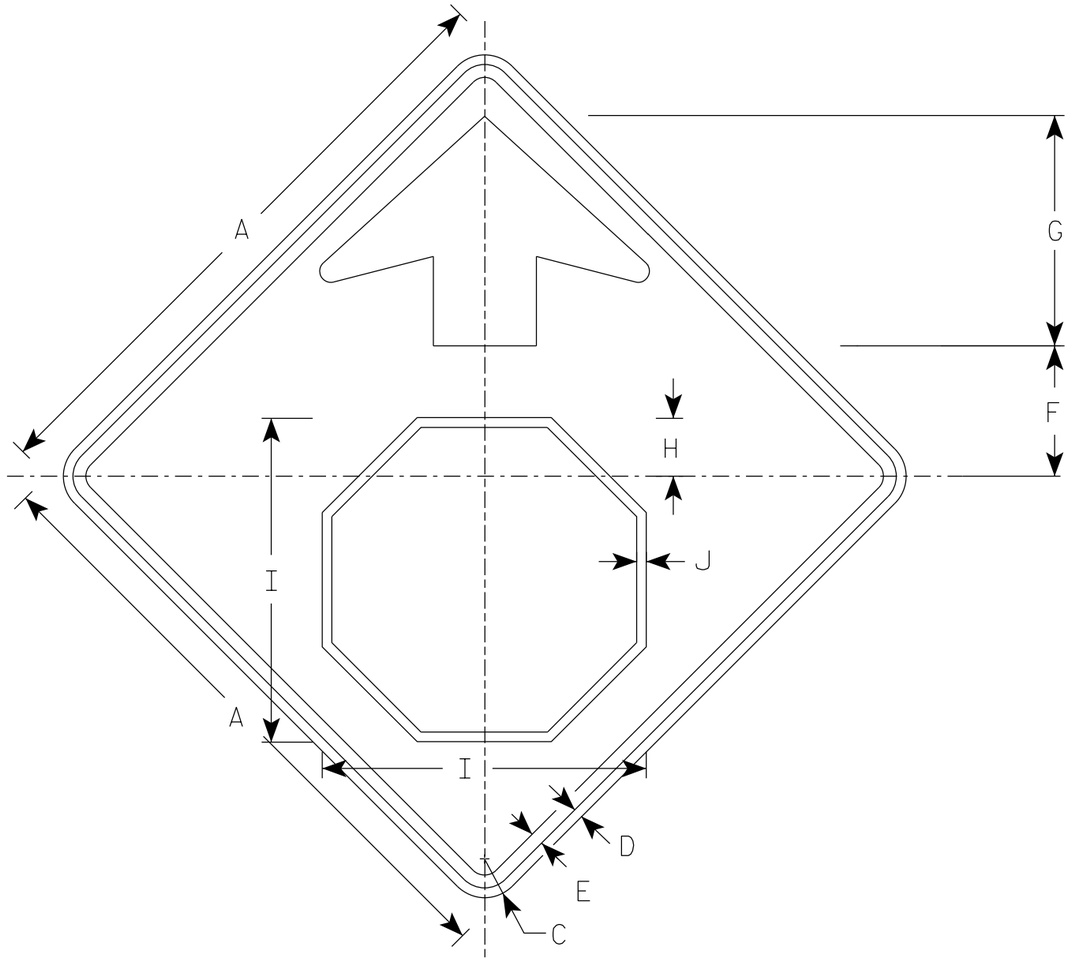
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/10/2023 PLATE NO. W1-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

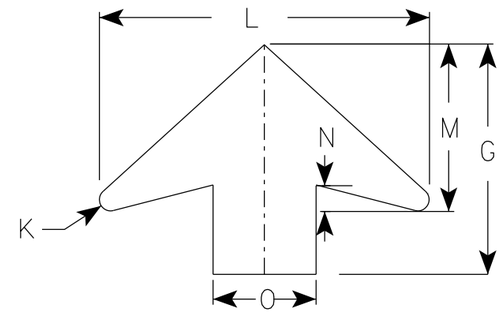
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W17.dgn PLOT DATE : 10-MAY 2023 3:05 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



W3-1

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Arrow & Border - Black
   Stop Symbol - White Border on Red Background



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 7/8	1/2	5/8	6 1/4	11 1/4	2 7/8	15 3/4	1/2	1/2	16	8	1 1/4	5												6.25
2S	36		2 1/4	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2M	36		2 1/4	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
3	36		2 1/4	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
4	48		3	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		3	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

STANDARD SIGN
W3-1

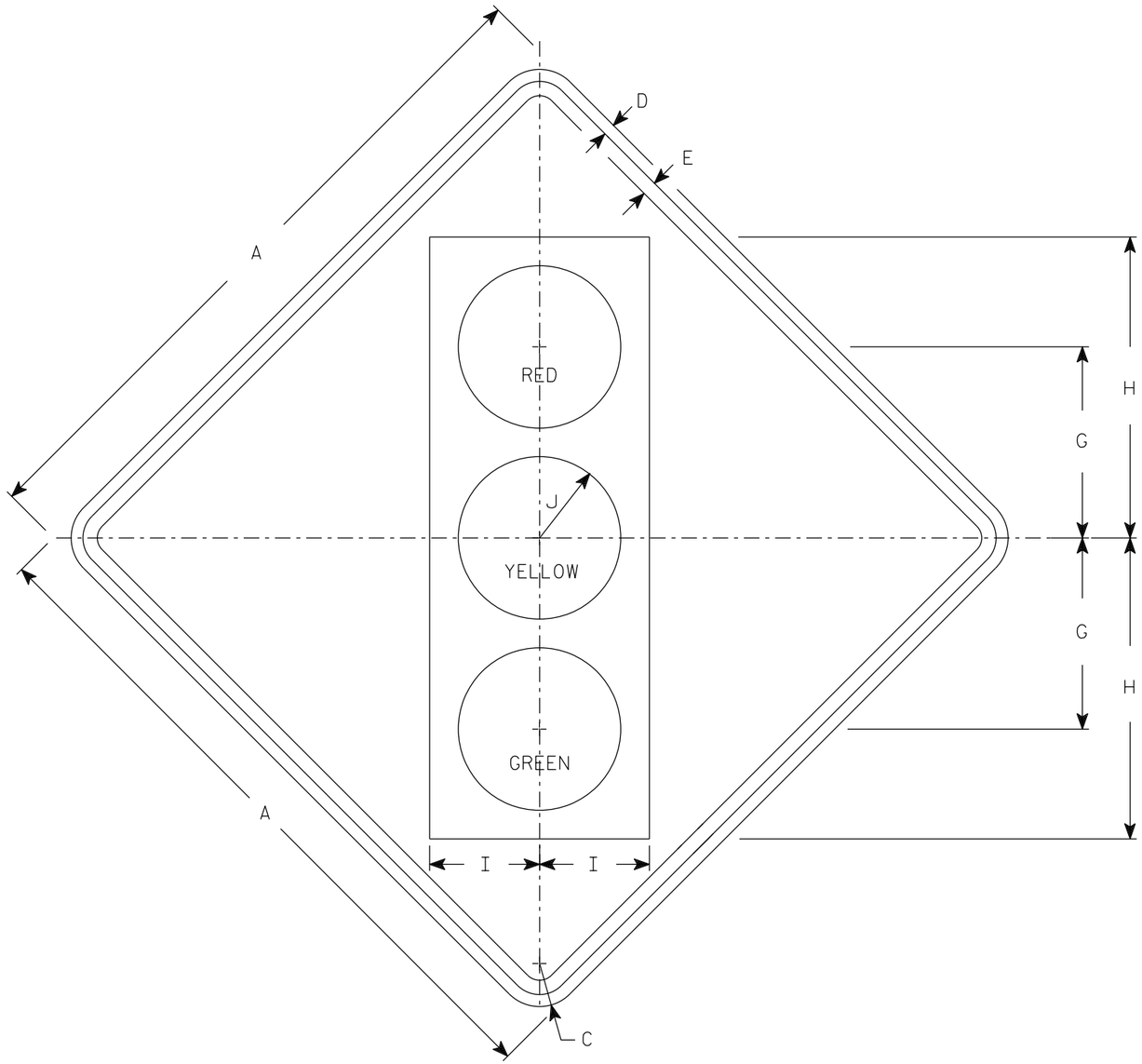
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/17/2023 PLATE NO. W3-1.13

PROJECT NO:

SHEET NO: 533 E



W3-3

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - See Note 3
3. Symbol and border are non-reflective black.
   Top circle - Type H Reflectorized Red
   Center circle - Same as background
   Bottom circle - Type H Reflectorized Green

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 7/8	1/2	5/8		8 3/4	13 3/4	5	3 3/4																	6.25
2S	36		2 1/4	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
2M	36		2 1/4	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
3	36		2 1/4	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
4	48		3	3/4	1		12 1/2	20	7 1/2	5																	16.0
5	48		3	3/4	1		12 1/2	20	7 1/2	5																	16.0

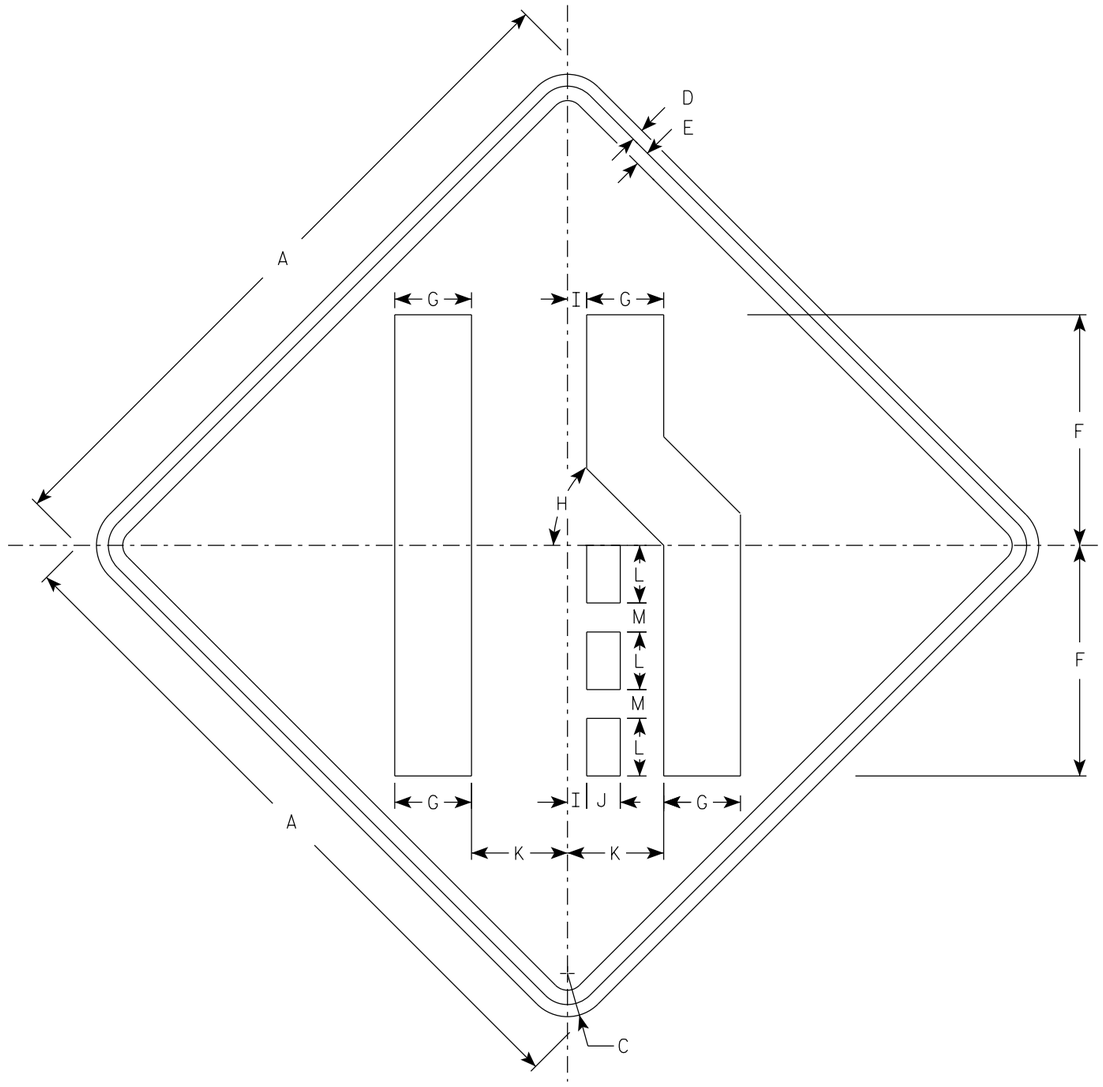
STANDARD SIGN
W3-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/2023 PLATE NO. W3-3.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 534	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

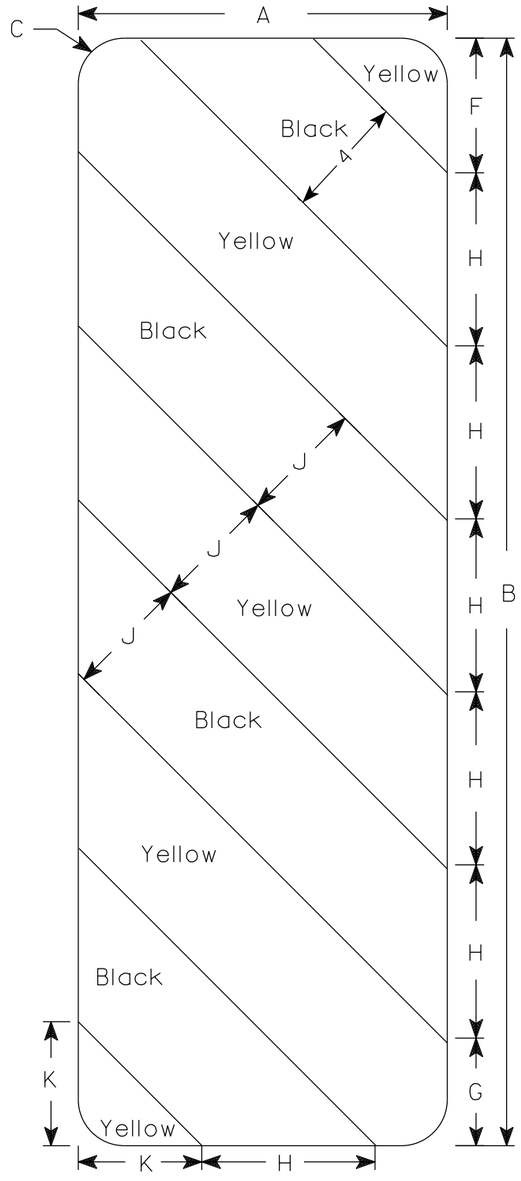
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

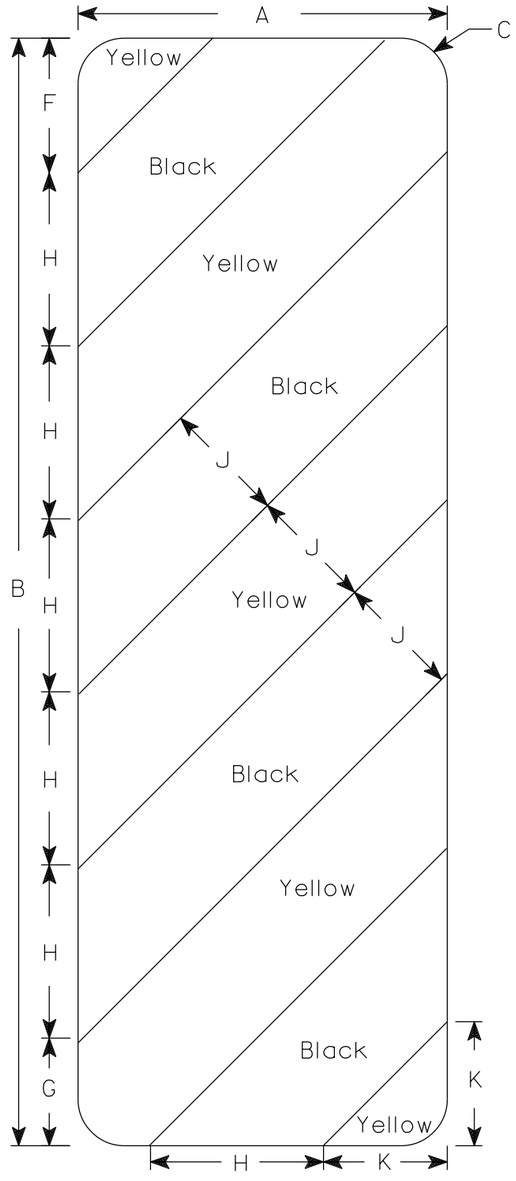
DATE 8/31/2023 PLATE NO. W4-2.15

PROJECT NO:

SHEET NO: E



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

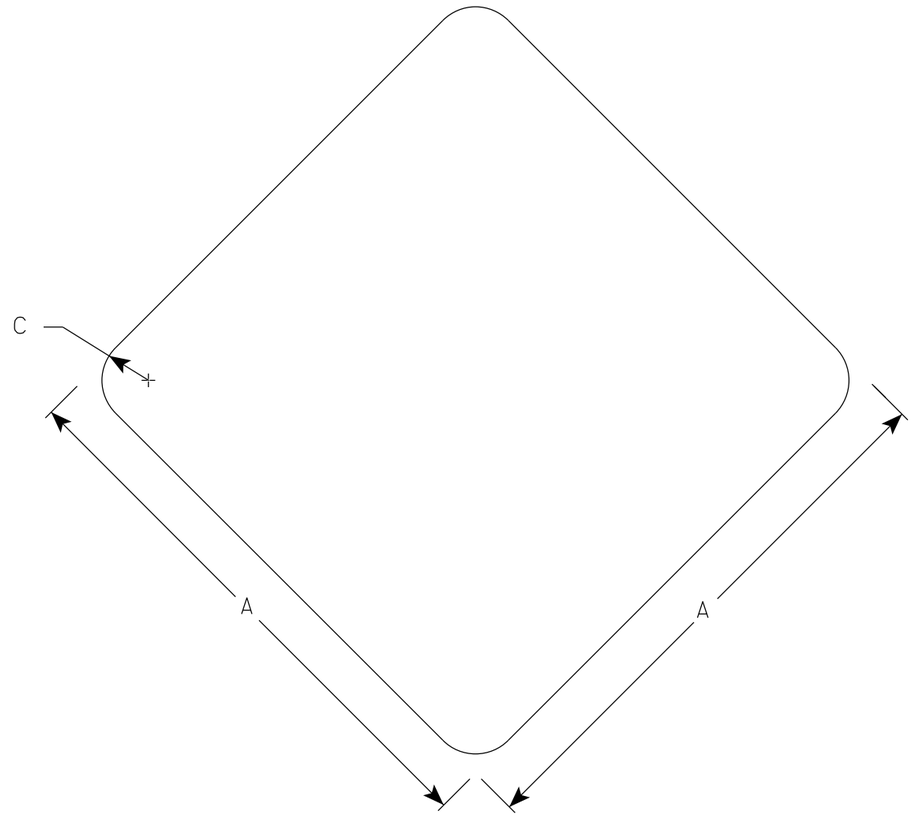
W5-52L & W5-52R

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: 536 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

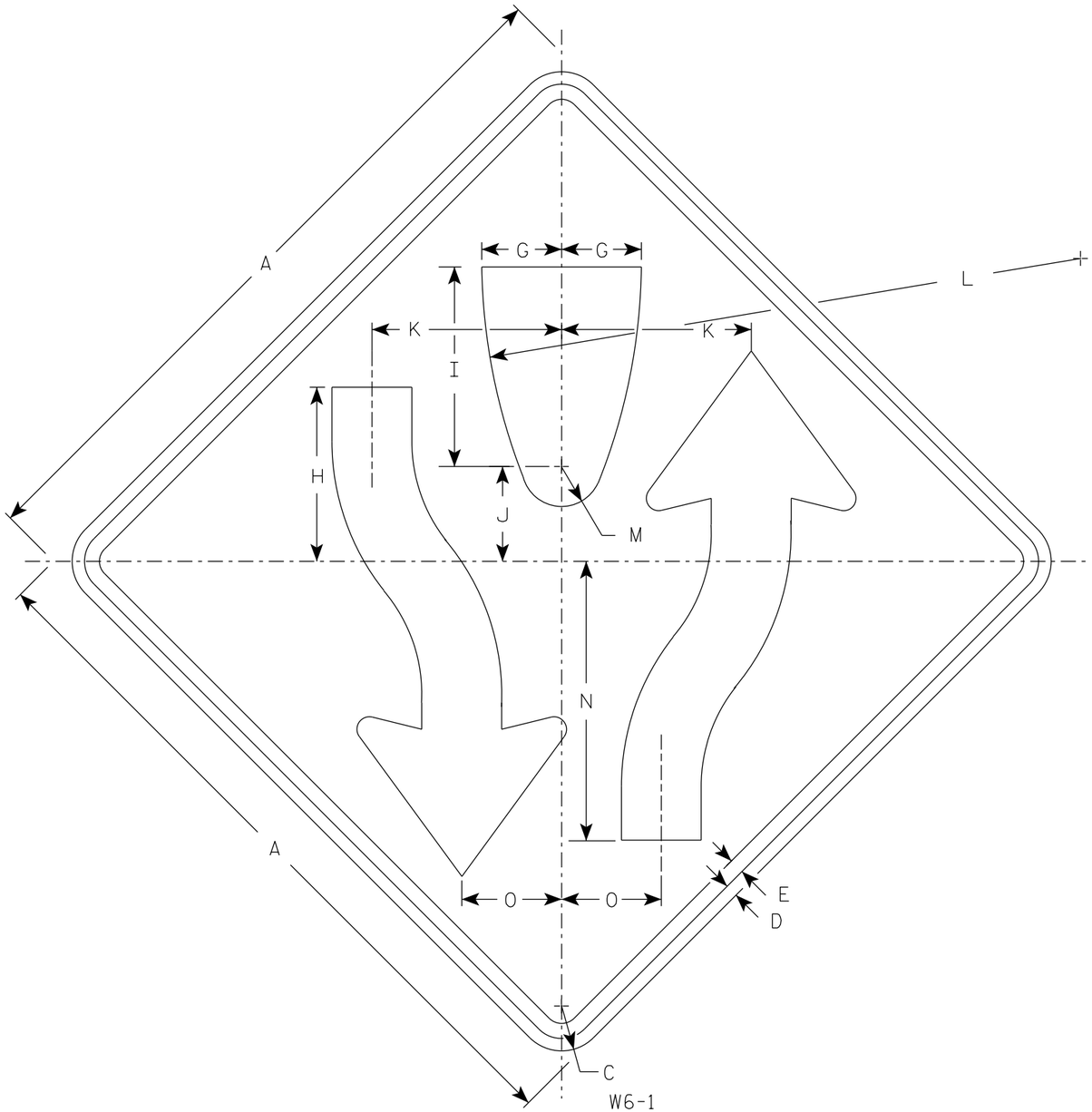
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/5/2024 PLATE NO. W5-54.9

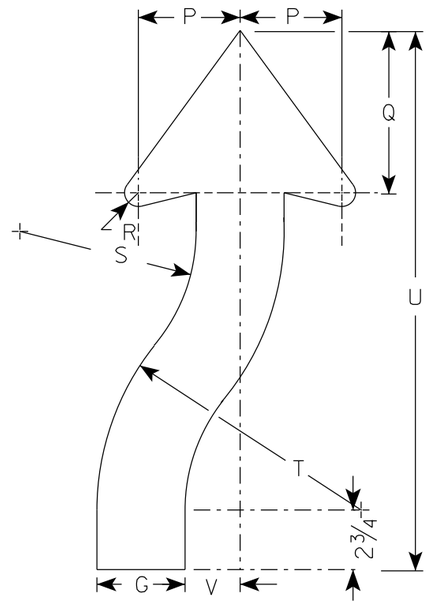
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

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

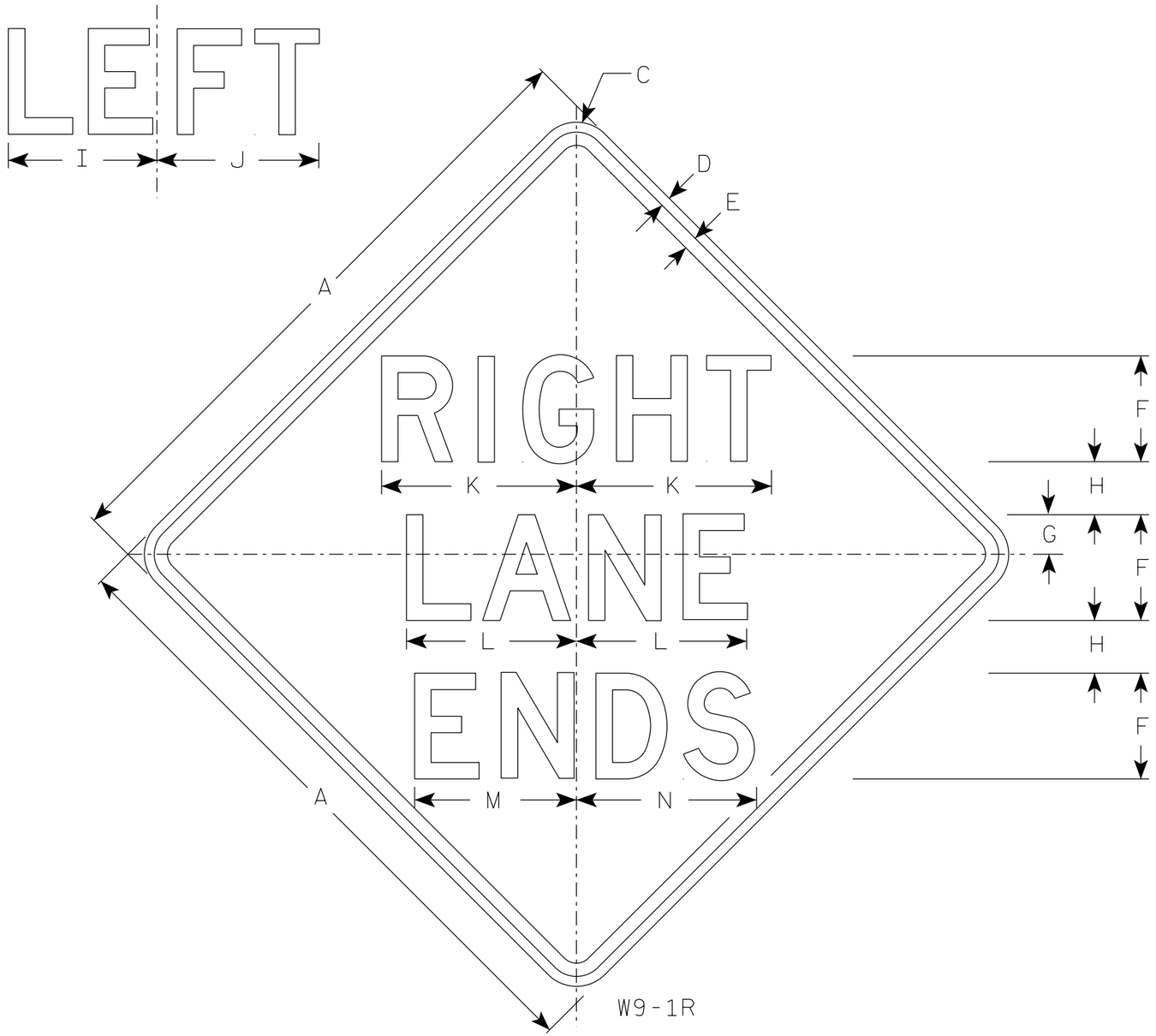
STANDARD SIGN
W6-1 & W6-2

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: 538	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:

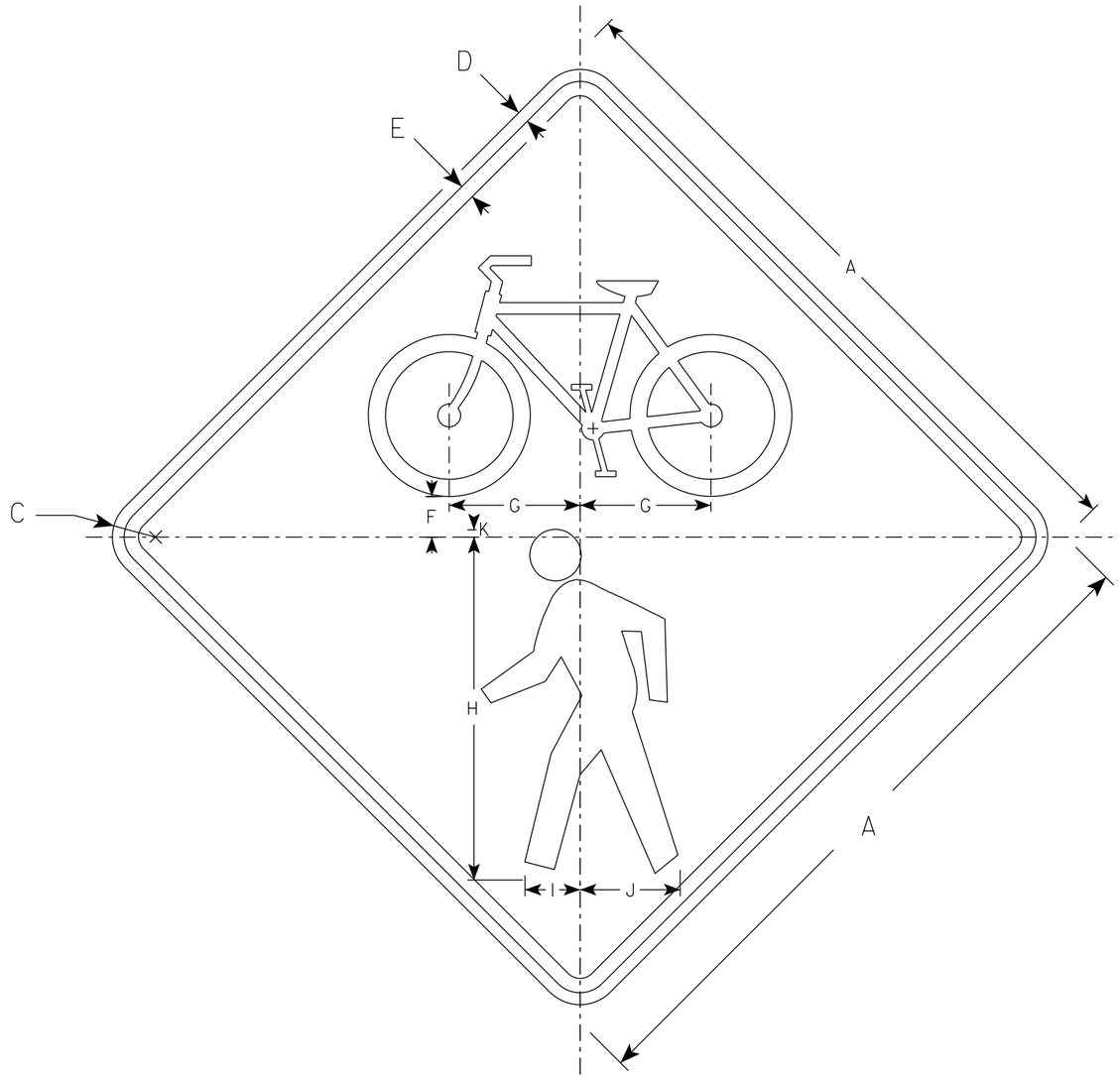
SHEET NO: 539 E

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



W11-15

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	1 3/8	4 5/8	12	1 7/8	3 1/2	1/4																4.0
2S	30		1 7/8	1/2	5/8	1 3/4	5 3/4	15	2 3/8	4 3/8	3/8																6.25
2M	36		2 1/4	5/8	3/4	2 1/8	6 7/8	18	2 7/8	5 1/4	3/8																9.0
3	36		2 1/4	5/8	3/4	2 1/8	6 7/8	18	2 7/8	5 1/4	3/8																9.0
4	48		3	3/4	1	2 7/8	9 1/8	24	3 7/8	7	1/2																16.0
5																											

STANDARD SIGN
W11-15

WISCONSIN DEPT OF TRANSPORTATION

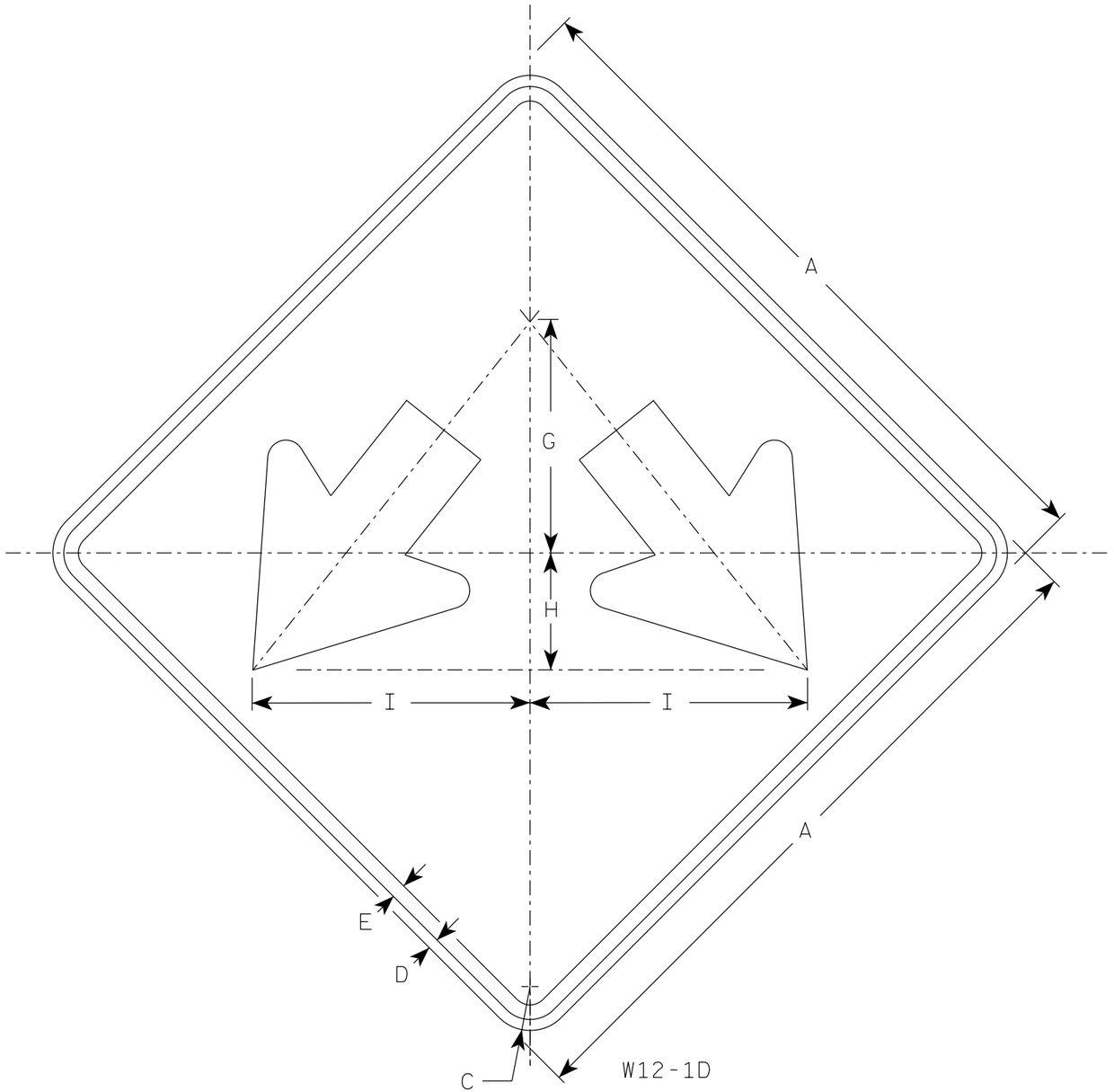
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/21/2023 PLATE NO. W11-15.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 540 E

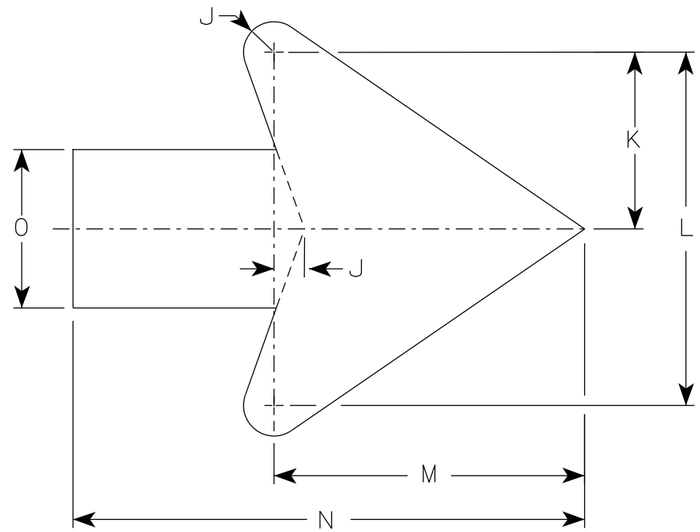
7

7



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Areq sq. ft.
1																											
2S	24		1 1/2	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2M	24		1 1/2	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
3	30		1 7/8	1/2	5/8		10	5	11 7/8	3/4	4 1/2	9	7 7/8	13	4												6.25
4	36		2 1/4	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0
5	48		3	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0

STANDARD SIGN
W12-1D

WISCONSIN DEPT OF TRANSPORTATION

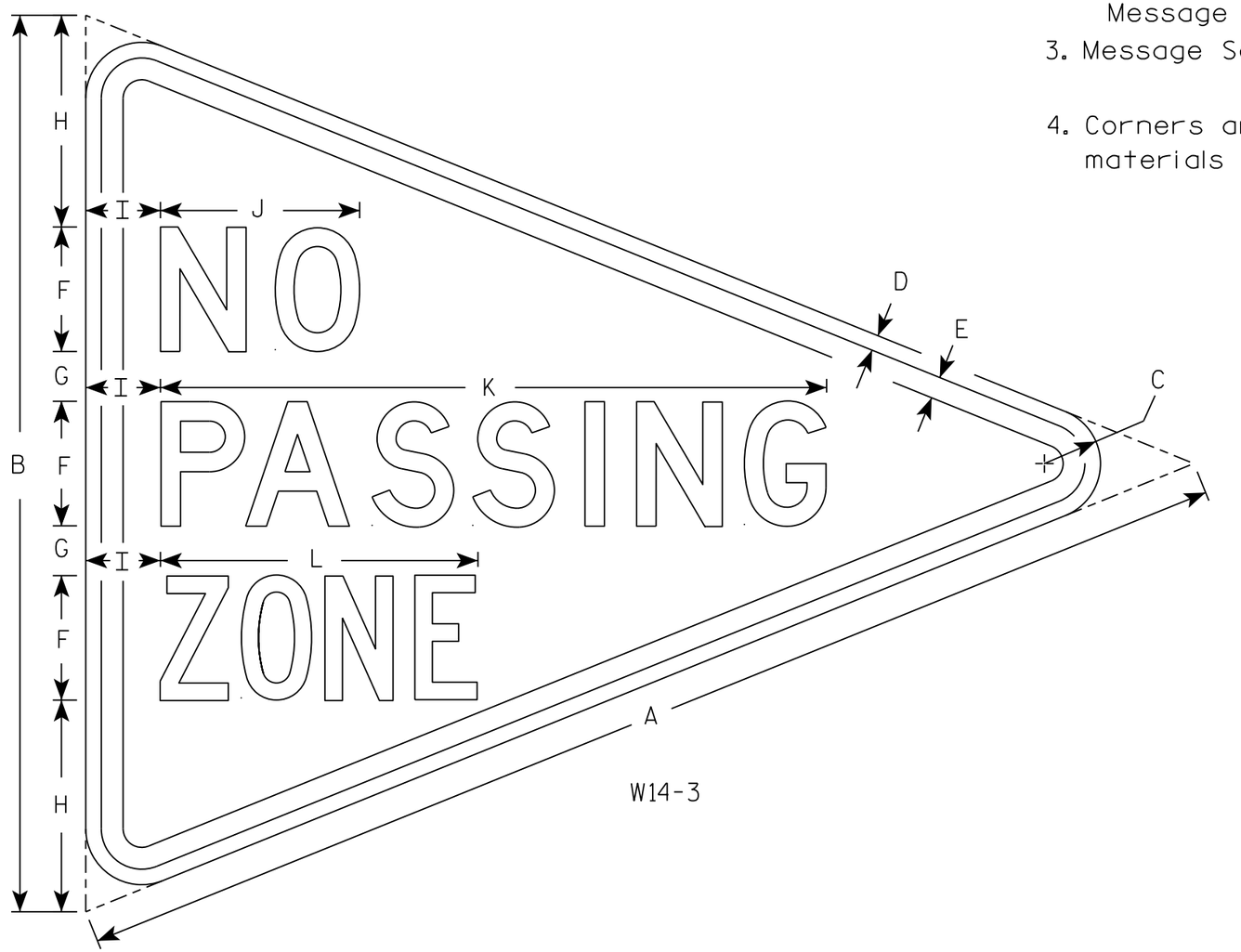
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/30/2023 PLATE NO. W12-1D.16

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 541	E

NOTES

1. Sign is Type II- Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - Lines 1 and 2 are Series D.
   Line 3 is series C.
4. Corners and borders shall be rounded on all base materials for this sign.



W14-3

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	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															5.56
2M																											
3																											
4																											
5																											

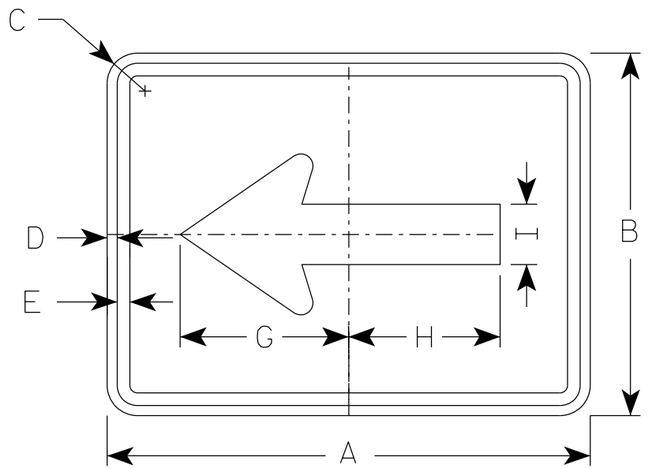
STANDARD SIGN
W14-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/17 PLATE NO. W14-3.10

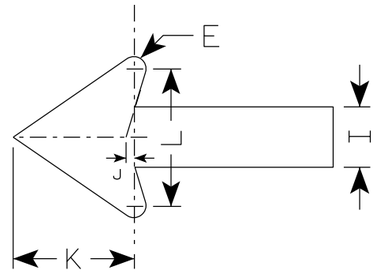
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 542	E



W16-5P

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	18	1 1/2	1/2	5/8		8 3/8	7 1/2	3	3/8	6	6 7/8															3.0
2M	24	18	1 1/2	1/2	5/8		8 3/8	7 1/2	3	3/8	6	6 7/8															3.0
3																											
4																											
5																											

STANDARD SIGN

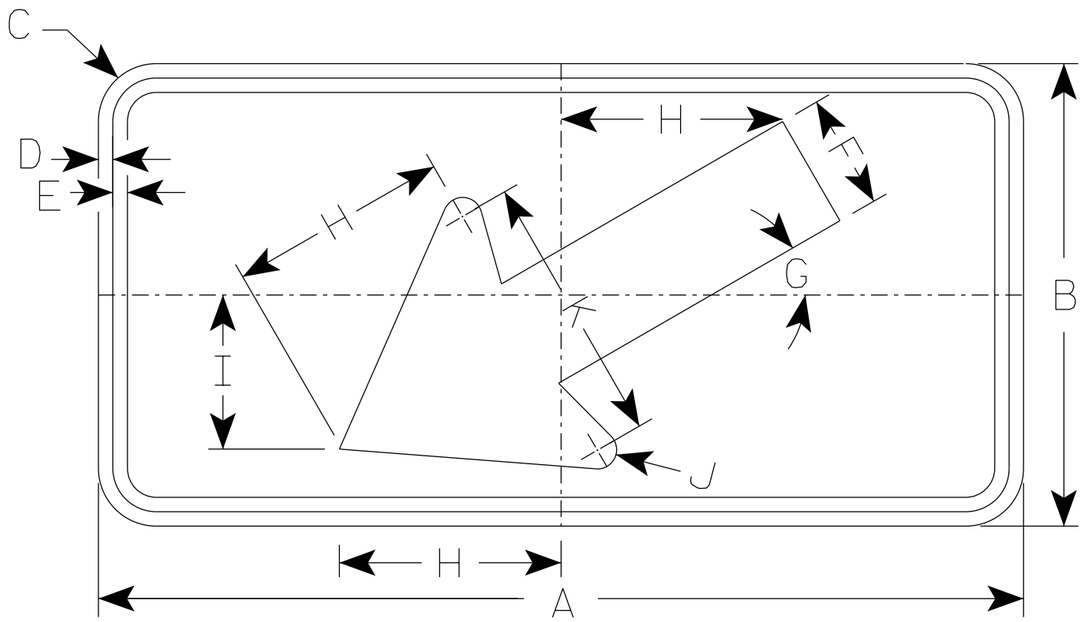
W16-5P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/16/2024 PLATE NO. W16-5P.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 543	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 18" W16-7L signs.
* For 48" x 48" Warning Signs, use 48" 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	24	12	1 ½	⅜	⅜	3	30°	5 ¾	4	½	7																2.0
*	2M	30	18	1 ½	⅜	½	4 ½	30°	8 ½	6	⅝	10 ¼																3.75
*	3	30	18	1 ½	⅜	½	4 ½	30°	8 ½	6	⅝	10 ¼																3.75
*	4	48	24	1 ⅞	½	⅝	6	30°	11 ½	8	1	14																8.0
	5																											

STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

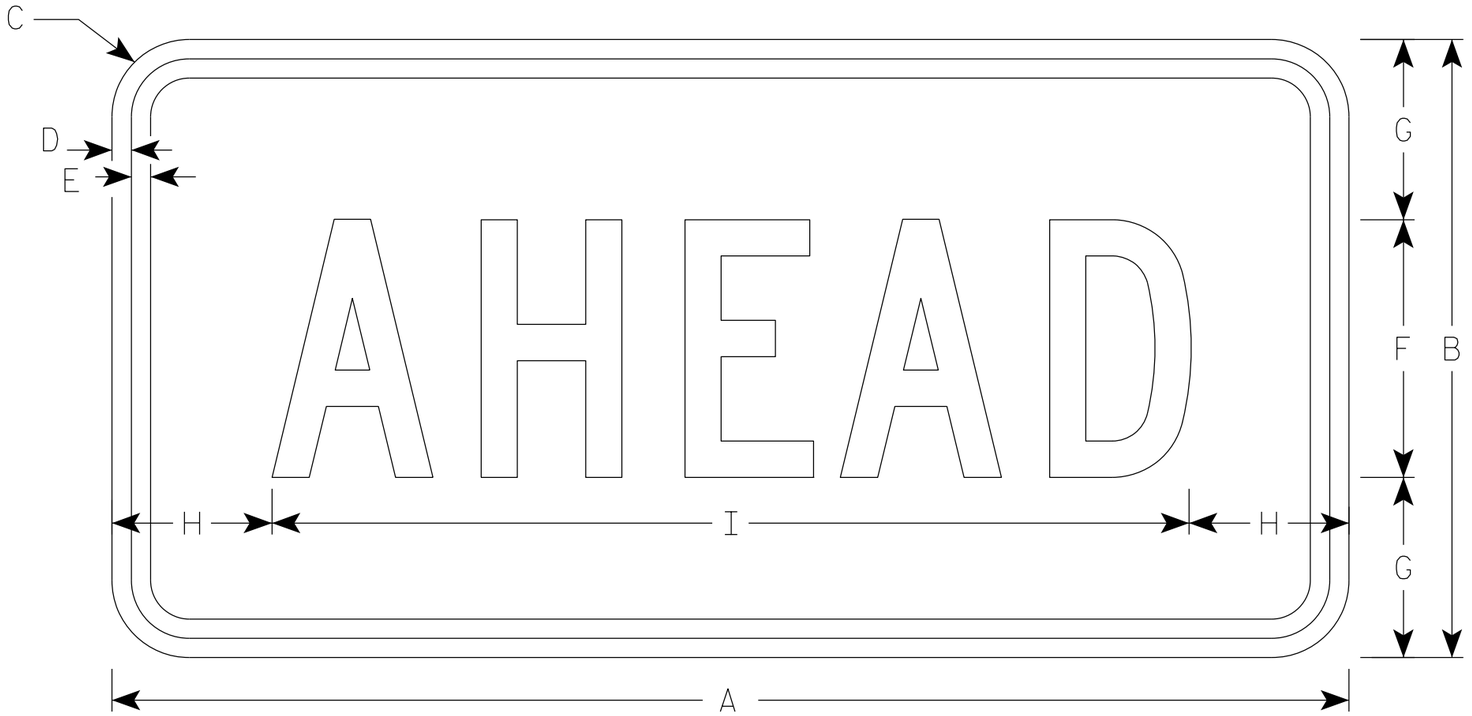
DATE 1/9/2024 PLATE NO. W16-7.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 544 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																											

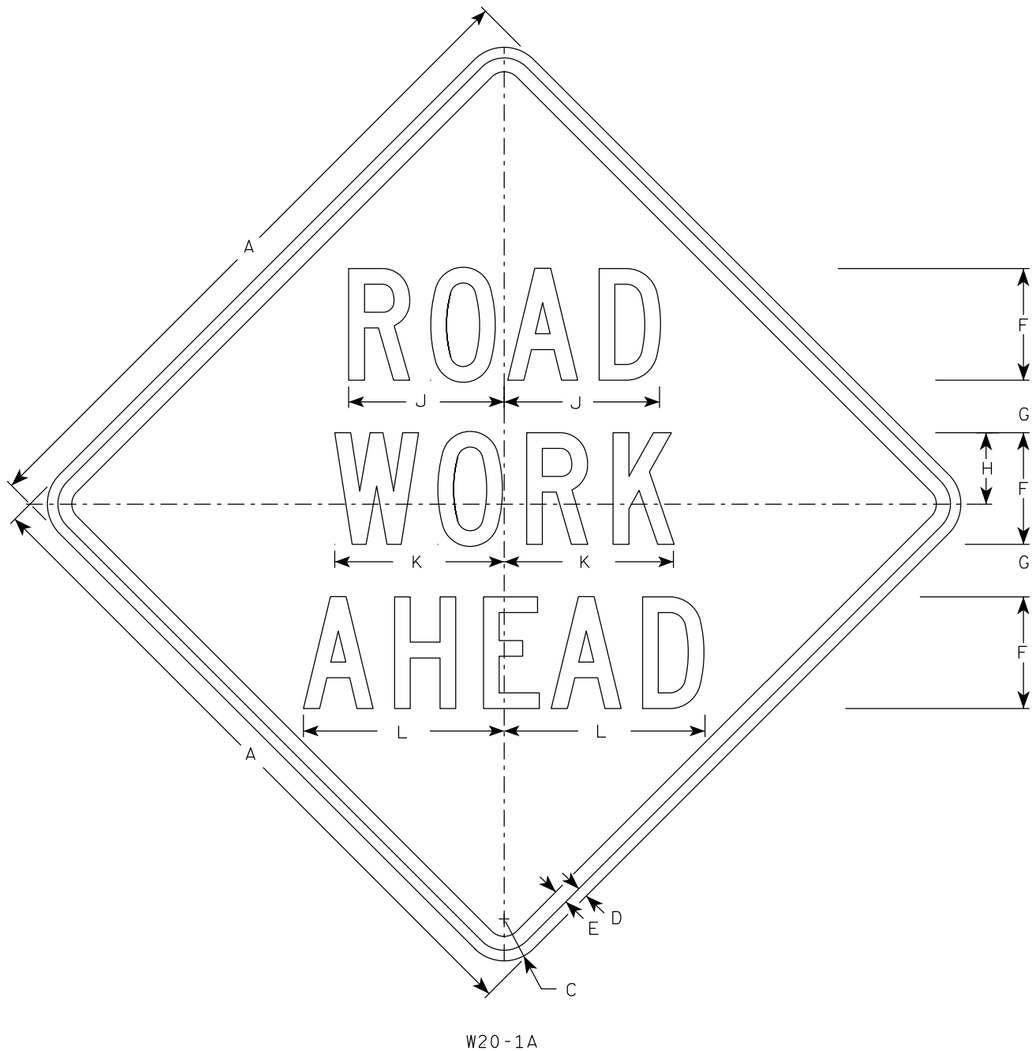
STANDARD SIGN
W16-9P

WISCONSIN DEPT OF TRANSPORTATION

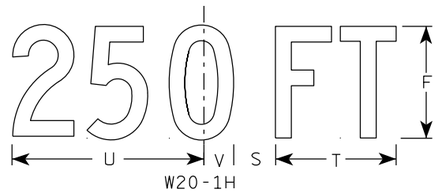
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/9/2024 PLATE NO. W16-9P.9

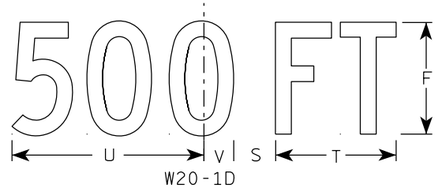
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 545 E



W20-1A



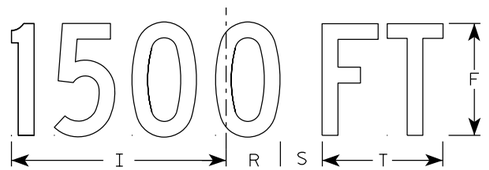
W20-1H



W20-1D



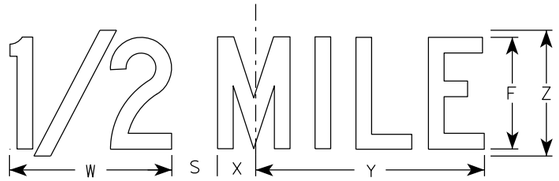
W20-1C



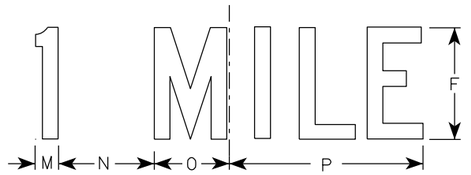
W20-1B

NOTES

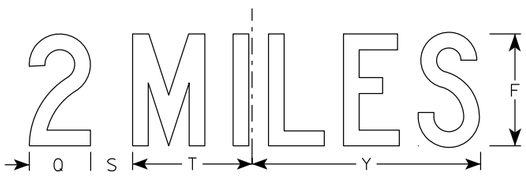
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



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:

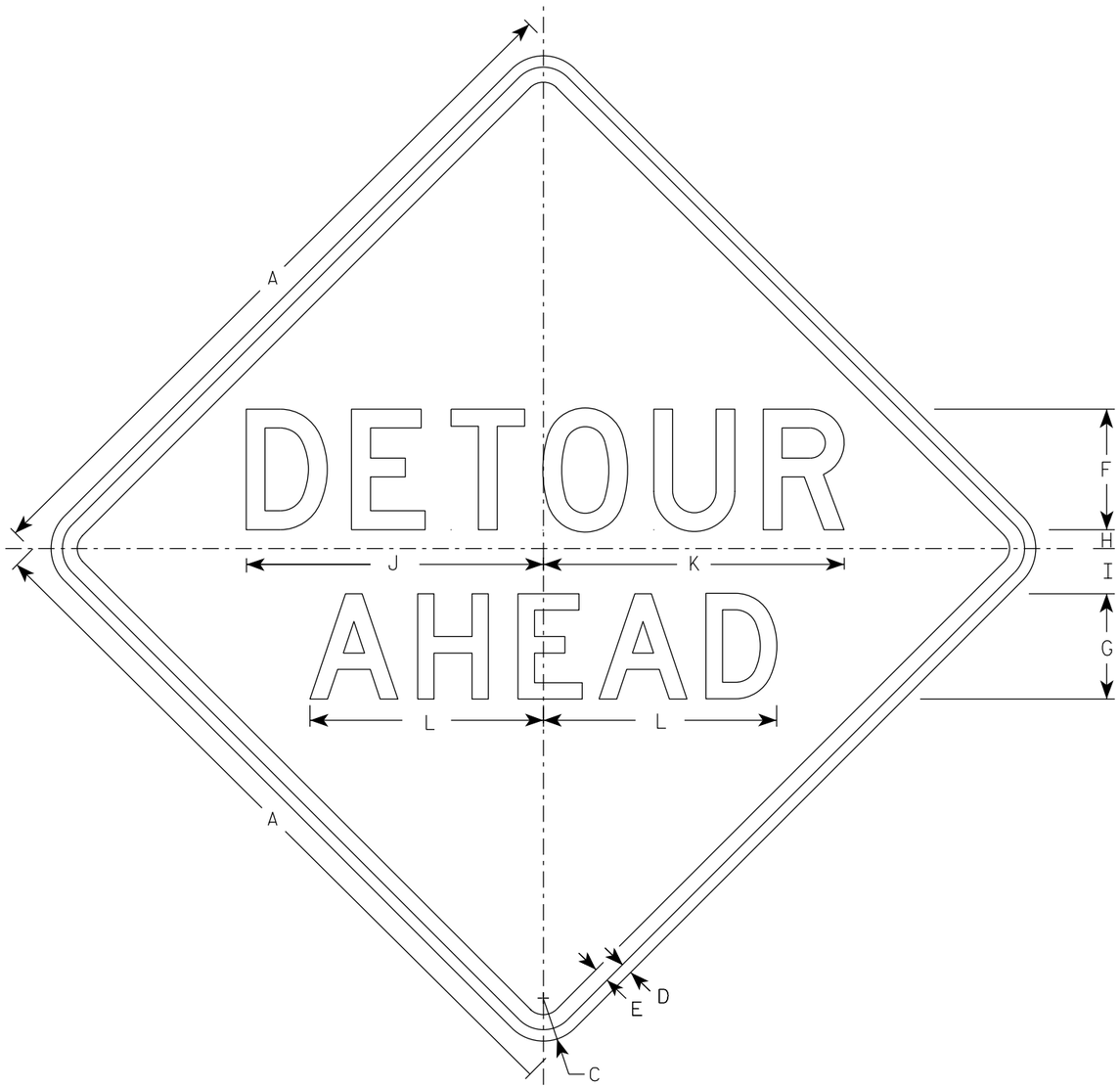
SHEET NO: 546 E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 10-JAN 2024 11:16 PLOT BY : dotc4c

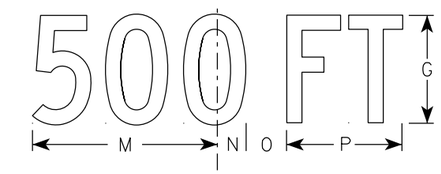
WISDOT/CADDS SHEET 42

7

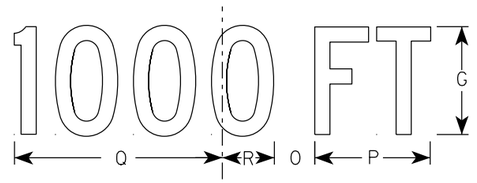
7



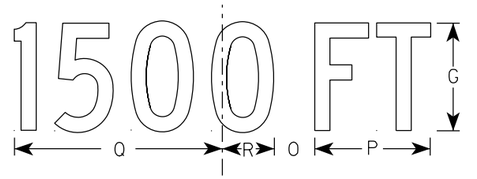
W20-2A



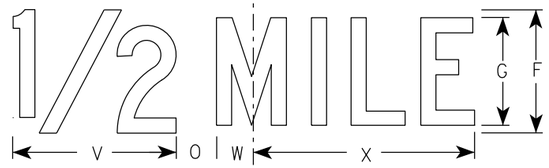
W20-2D



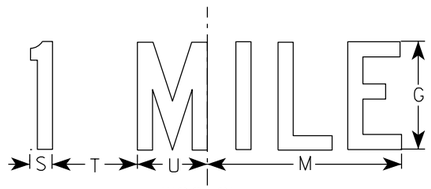
W20-2C



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

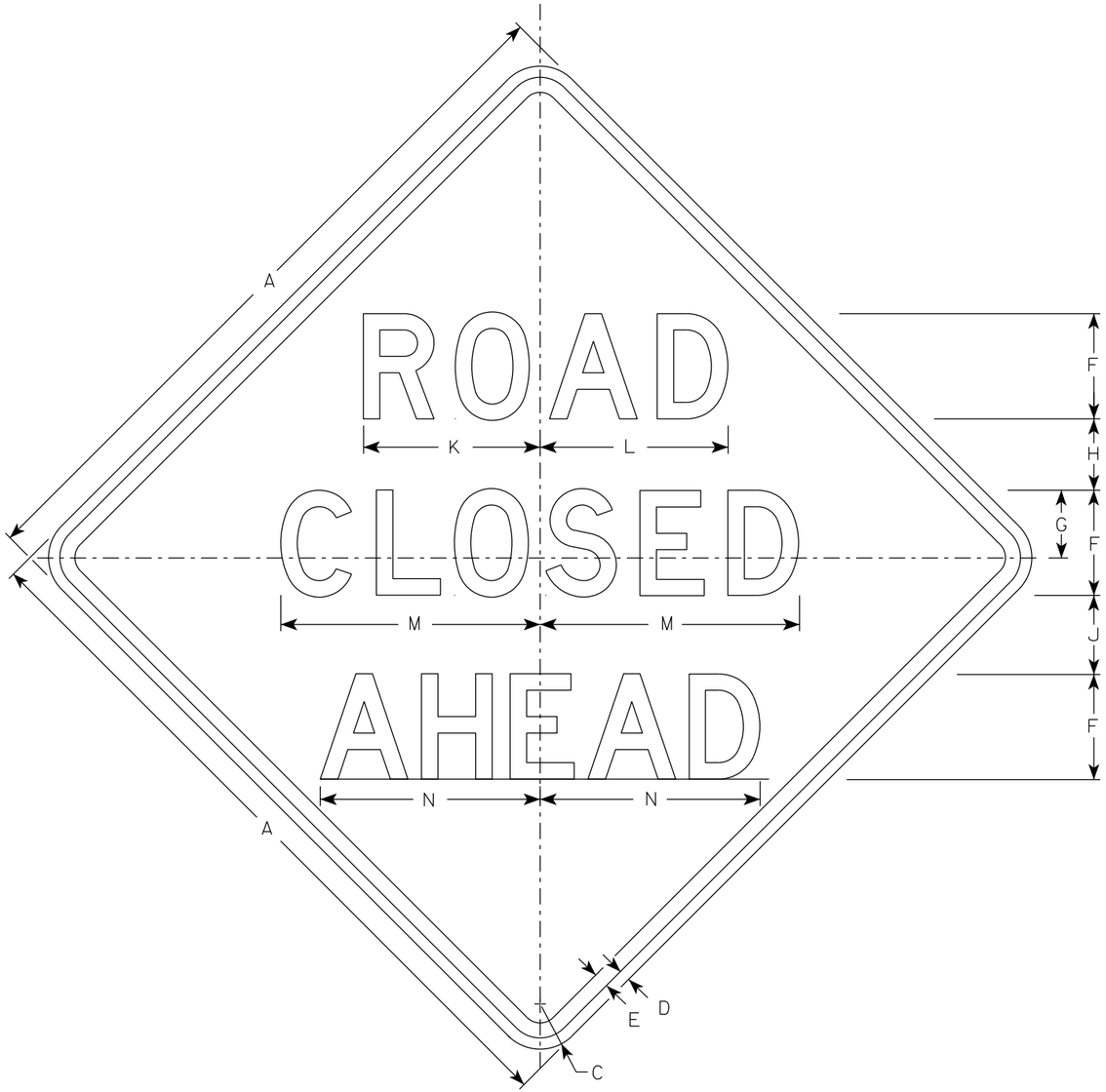
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

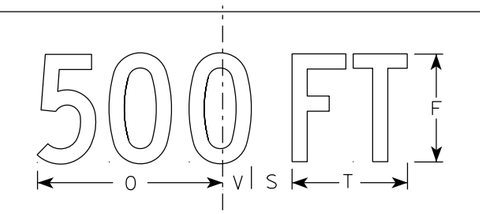
DATE 1/10/2024 PLATE NO. W20-2.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

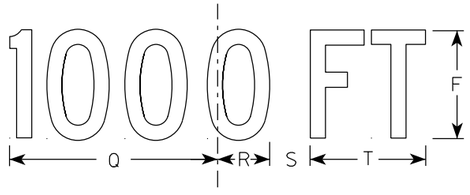
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W202.DGN PLOT DATE : 10-JAN 2024 11:36 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



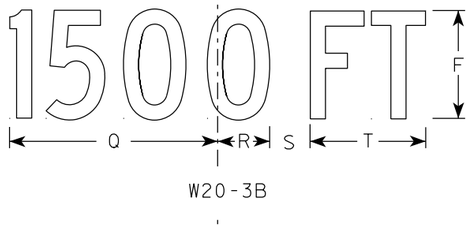
W20-3A



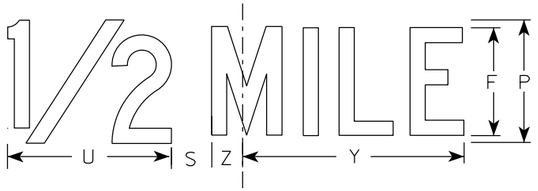
W20-3D



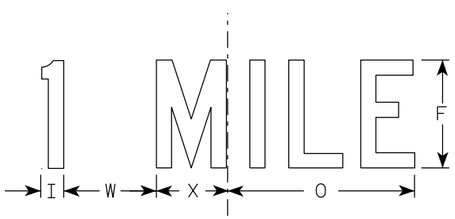
W20-3C



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

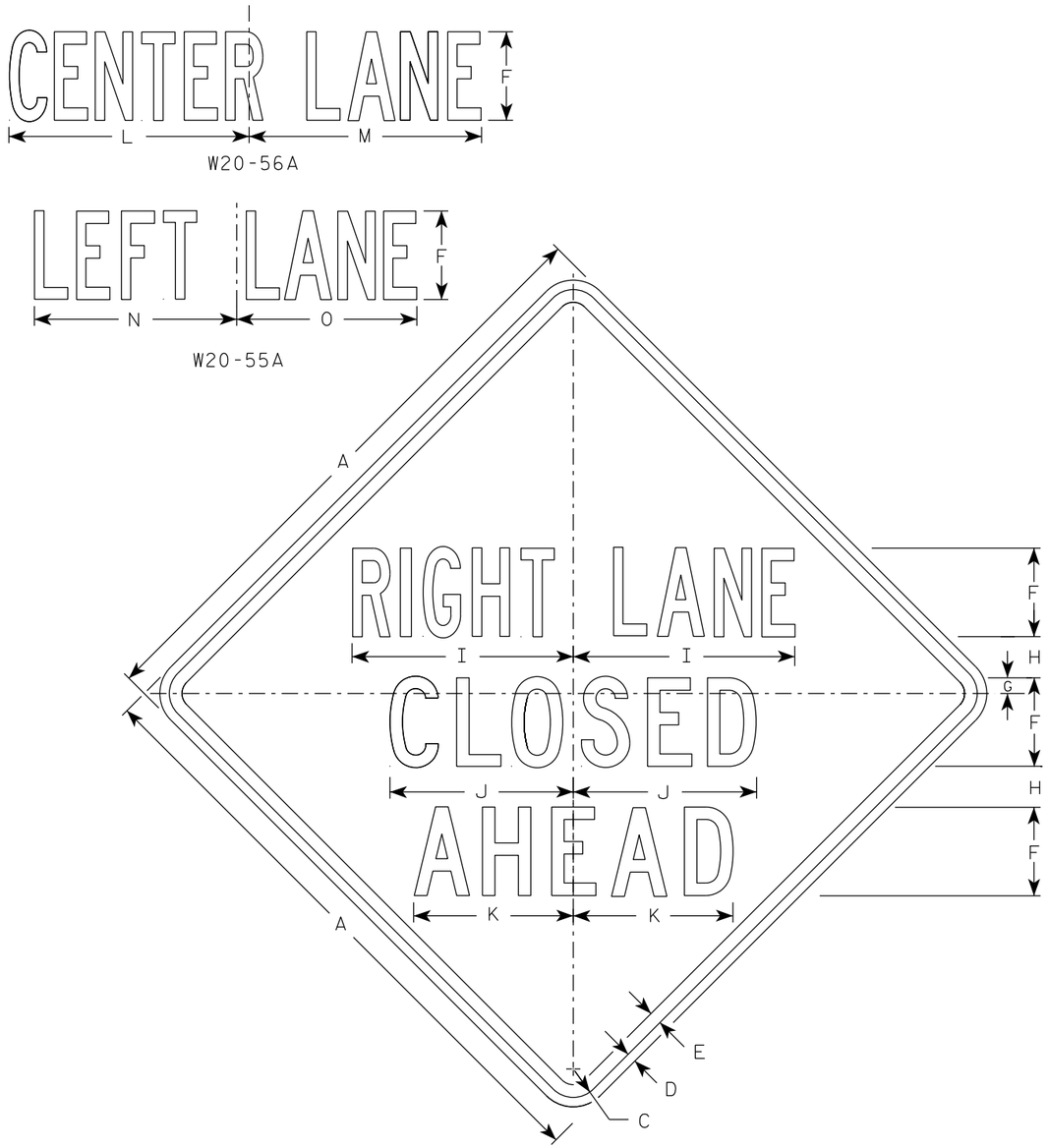
STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

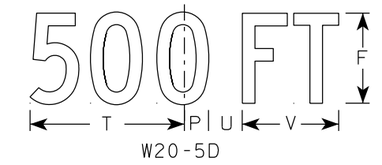
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-3.8

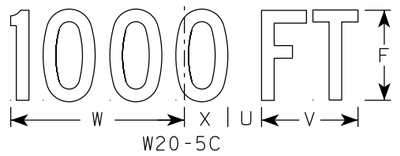
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 548 | E



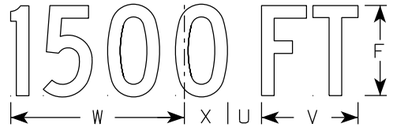
W20-5A



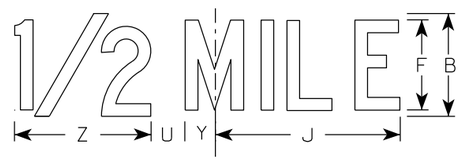
W20-5D



W20-5C



W20-5B



W20-5G



W20-5F

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. " _____ LANE" is Series B.
   All other copy is Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	6	2 1/4	5/8	3/4	5	7/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 7/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

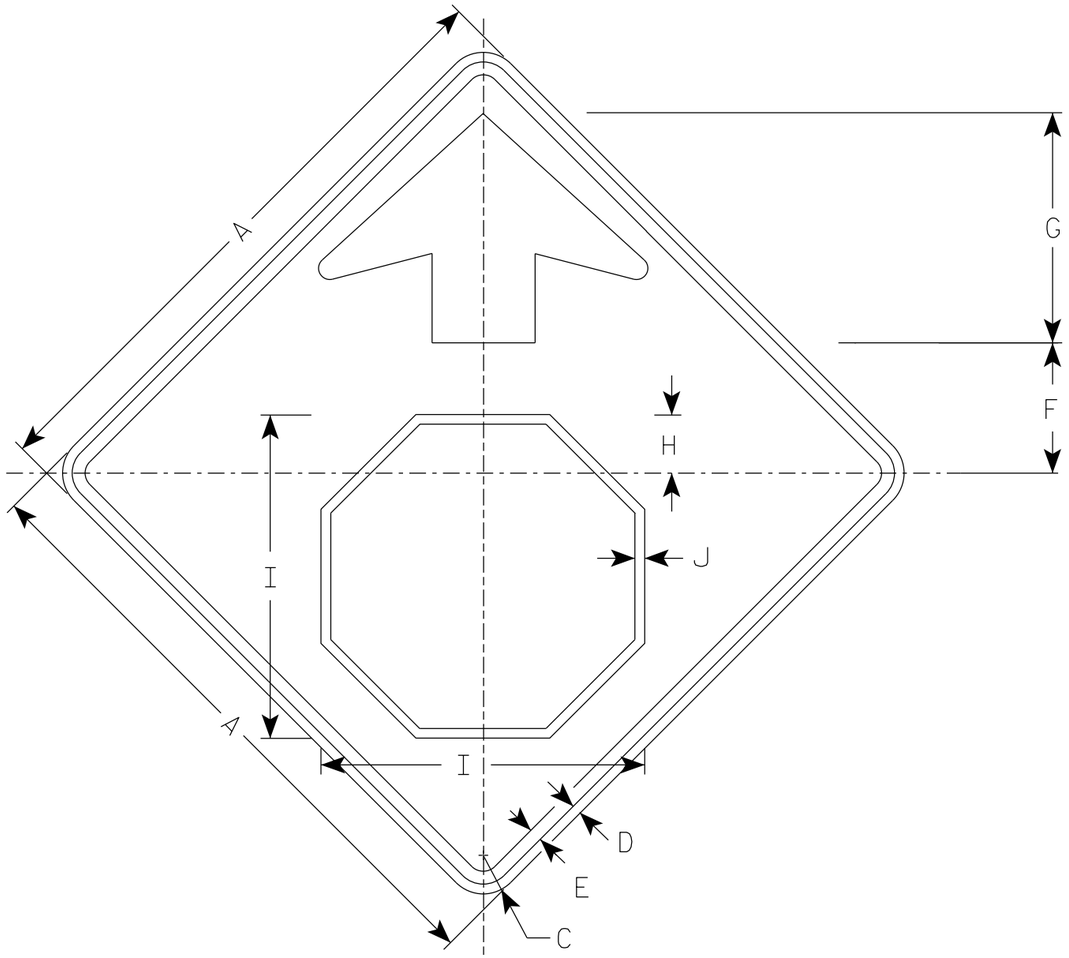
STANDARD SIGN
W20-5A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/27/24 PLATE NO. W20-5.12

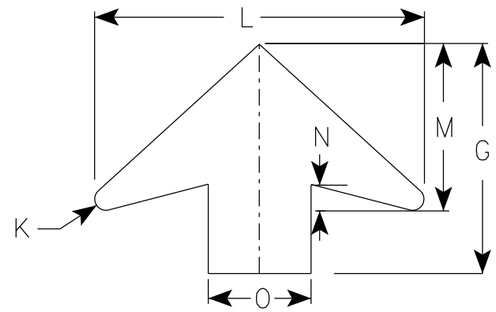
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 549	E



W03-1

NOTES

1. All Signs Type II - Type F Reflective
2. Color:
   Background - ORANGE
   Arrow & Border - BLACK
   Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2S	48		3	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
2M	48		3	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
3	48		3	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
4	48		3	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		3	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

STANDARD SIGN
W03-1

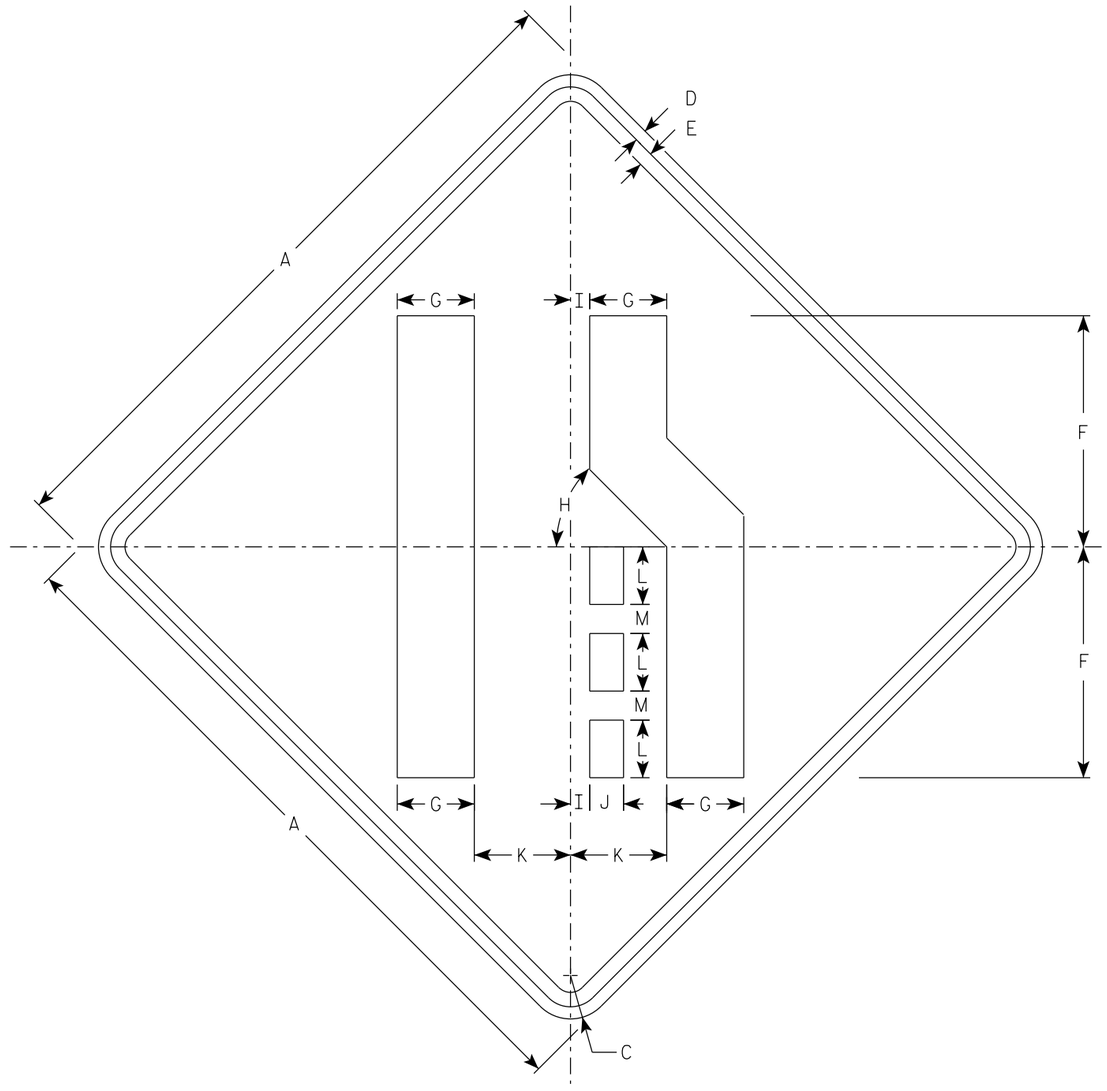
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/24/2024 PLATE NO. W03-1.2

PROJECT NO:

SHEET NO: 550 E



W04-2R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-2L is the same as W04-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

STANDARD SIGN
W04-2

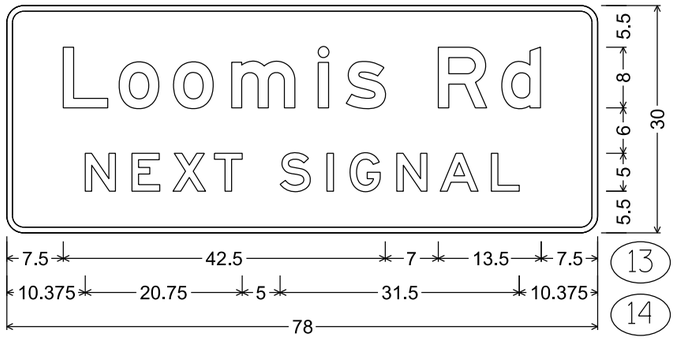
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

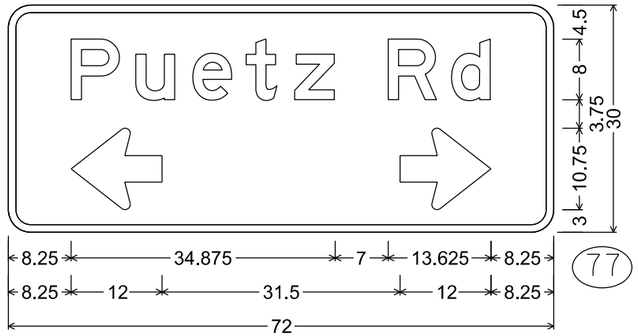
DATE 1/25/2024 PLATE NO. W04-2.2

PROJECT NO:

SHEET NO: 551 E



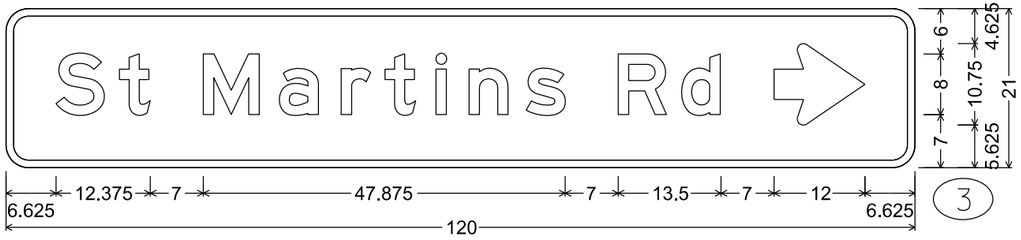
D1-65; 2.250" Radius, 0.750" Border



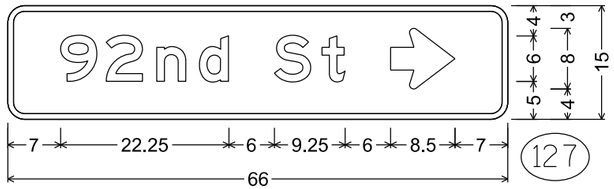
D1-61; 3.000" Radius, 1.000" Border

NOTES

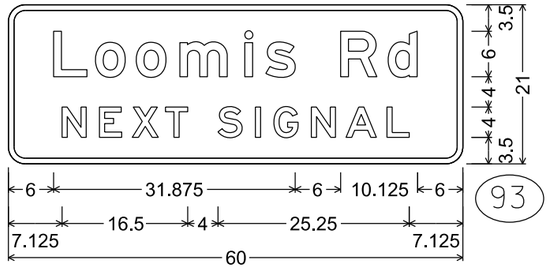
1. Signs are Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E



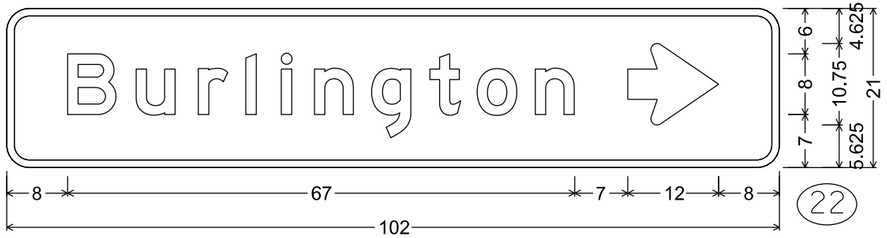
D1-1; 3.000" Radius, 1.000" Border



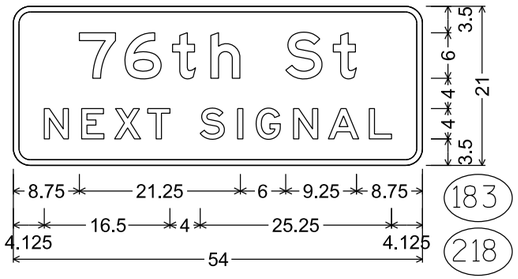
D1-1; 2.250" Radius, 0.750" Border, White on Green;



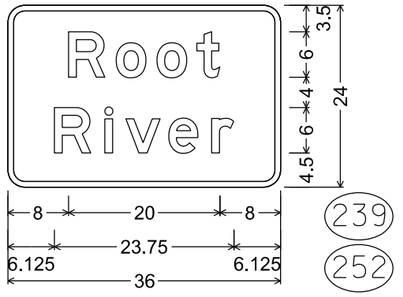
D1-65; 2.250" Radius, 0.750" Border



D1-1; 3.000" Radius, 1.000" Border



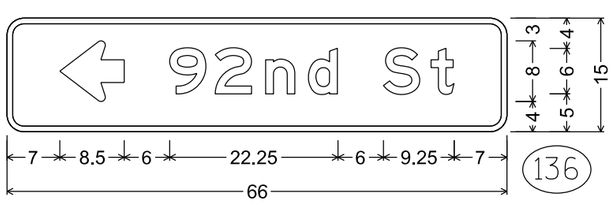
D1-65; 2.250" Radius, 0.750" Border



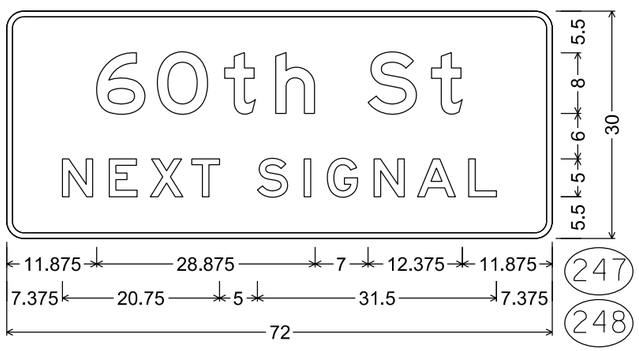
I3-1; 2.250" Radius, 0.750" Border



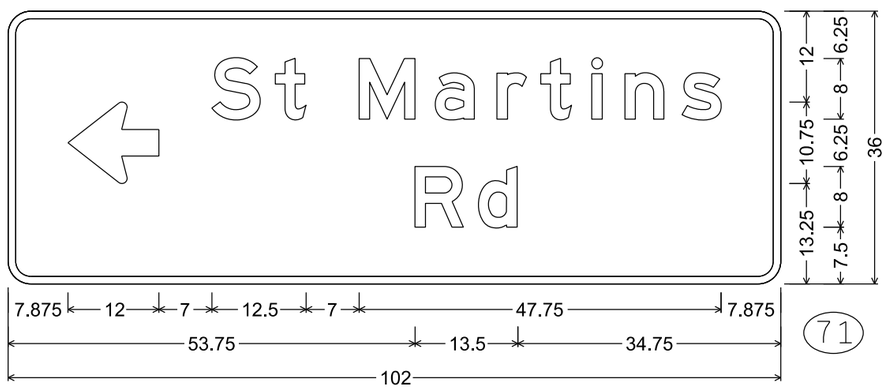
D1-1; 2.250" Radius, 0.750" Border



D1-1; 2.250" Radius, 0.750" Border



D1-65; 2.250" Radius, 0.750" Border

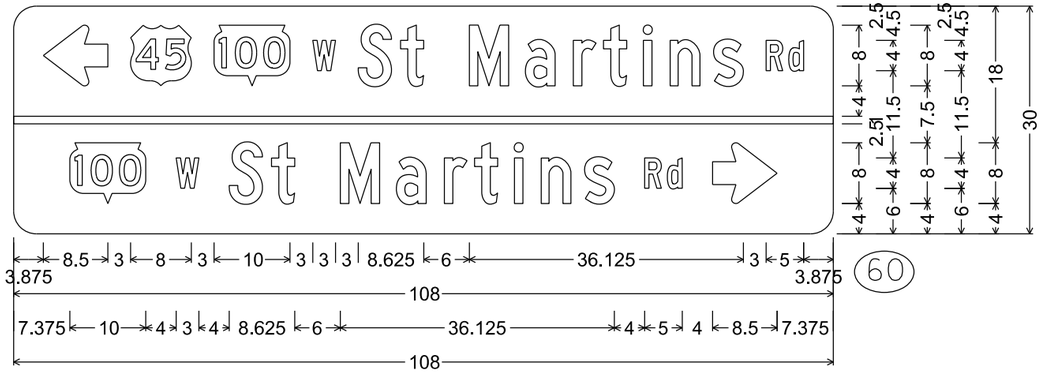


D1-2; 3.000" Radius, 1.000" Border

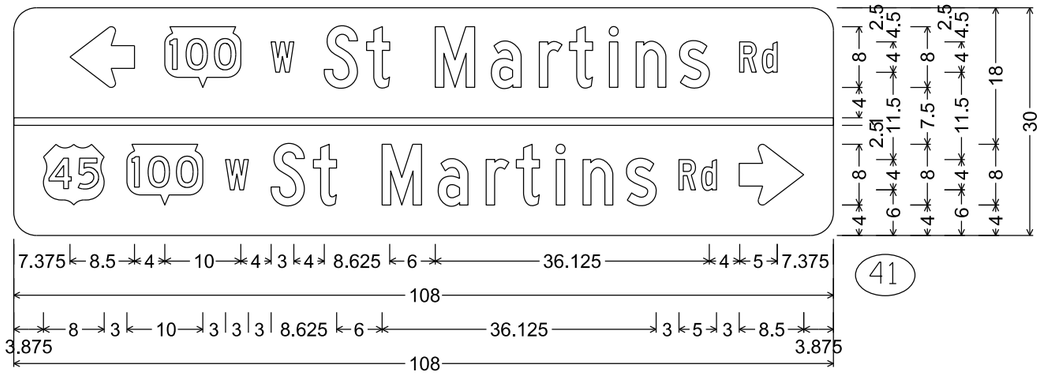
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7

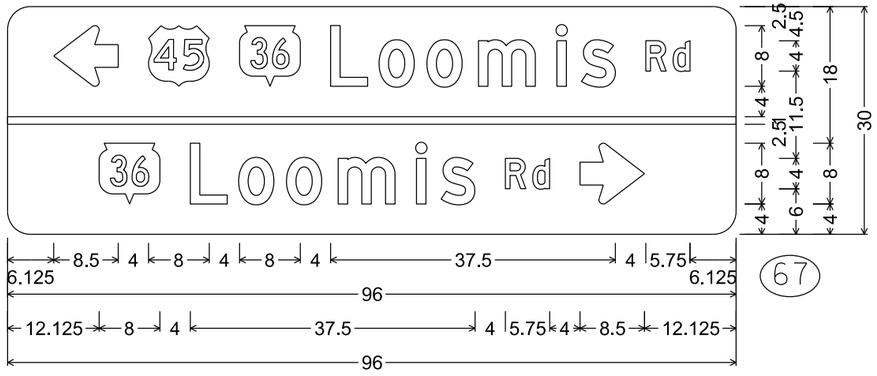
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET NO: 552	E



M1-94S; 3.000" Radius, No border,
"W", C; "St", C; "Martins", C; "Rd", C; "W", C; "St", C; "Martins", C; "Rd", C



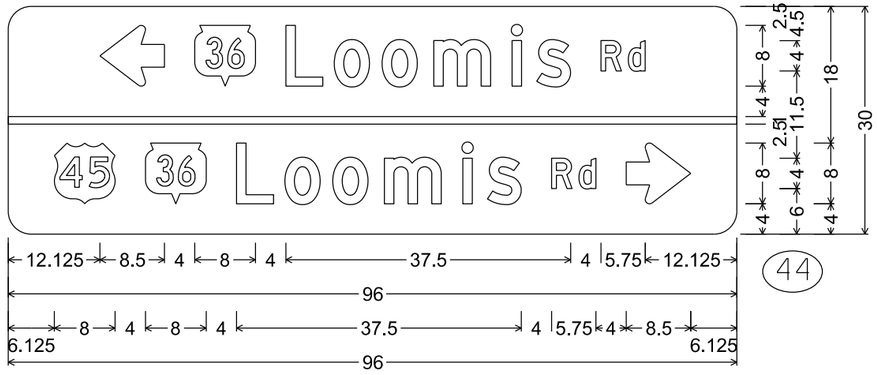
M1-94S; 3.000" Radius, No border,
"W", C; "St", C; "Martins", C; "Rd", C; "W", C; "St", C; "Martins", C; "Rd", C



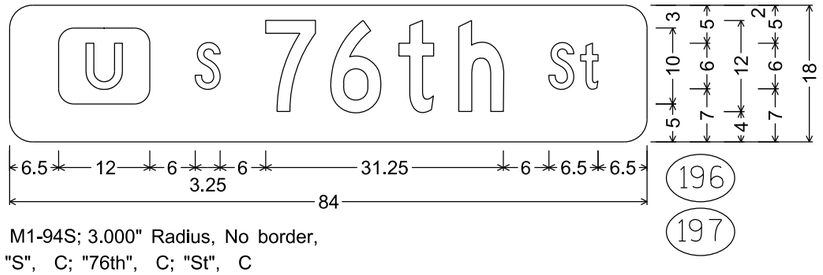
M1-94S; 3.000" Radius, No border

NOTES

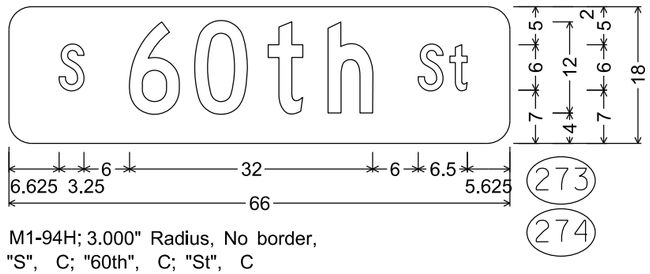
1. Signs are Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E



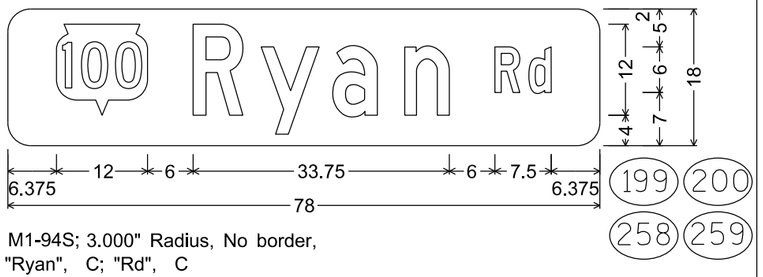
M1-94S; 3.000" Radius, No border



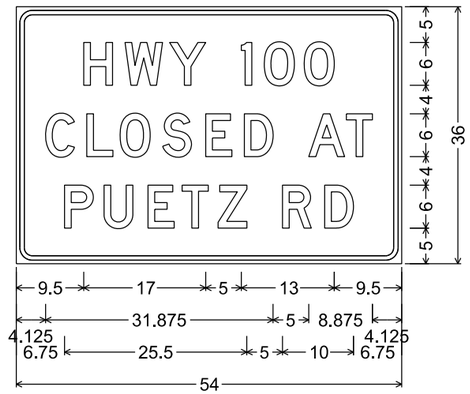
M1-94S; 3.000" Radius, No border,
"S", C; "76th", C; "St", C



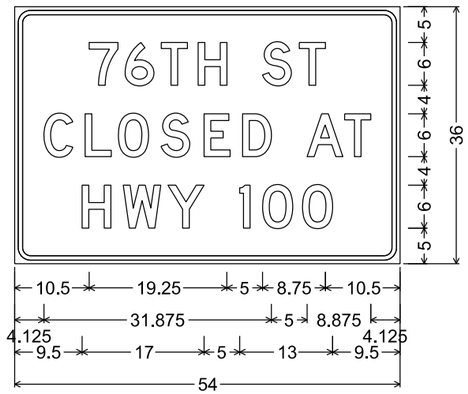
M1-94H; 3.000" Radius, No border,
"S", C; "60th", C; "St", C



M1-94S; 3.000" Radius, No border,
"Ryan", C; "Rd", C



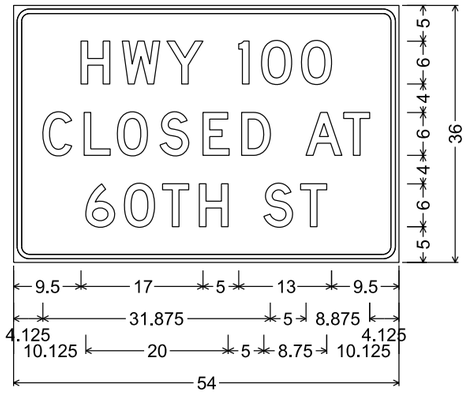
2.250" Radius, 0.625" Border, 0.500" Indent



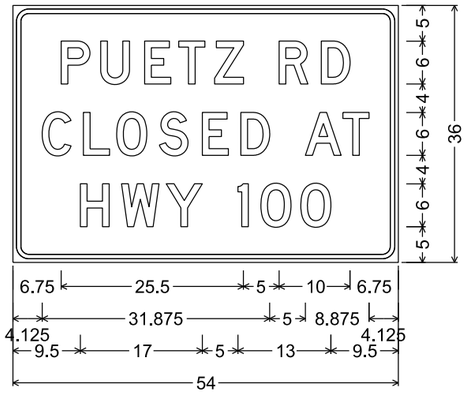
2.250" Radius, 0.625" Border, 0.500" Indent

NOTES

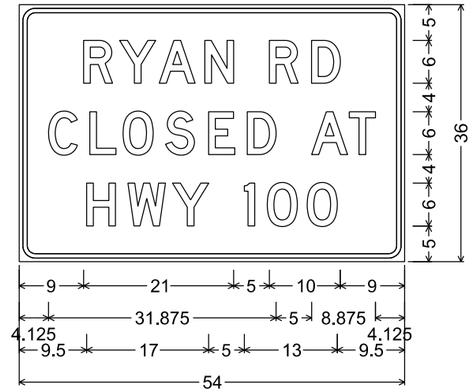
1. Fixed Message Signs are Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D



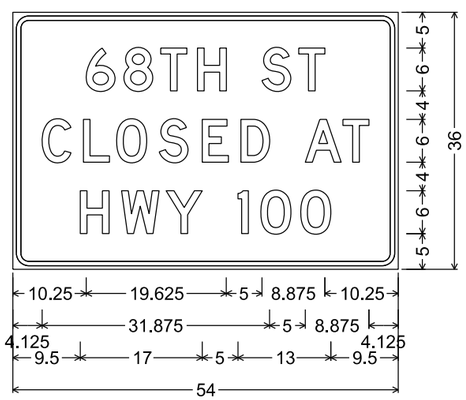
2.250" Radius, 0.625" Border, 0.500" Indent



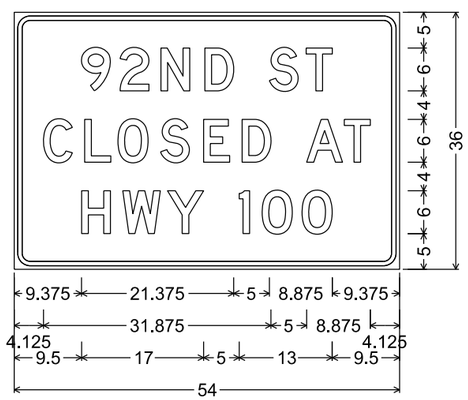
2.250" Radius, 0.625" Border, 0.500" Indent



2.250" Radius, 0.625" Border, 0.500" Indent



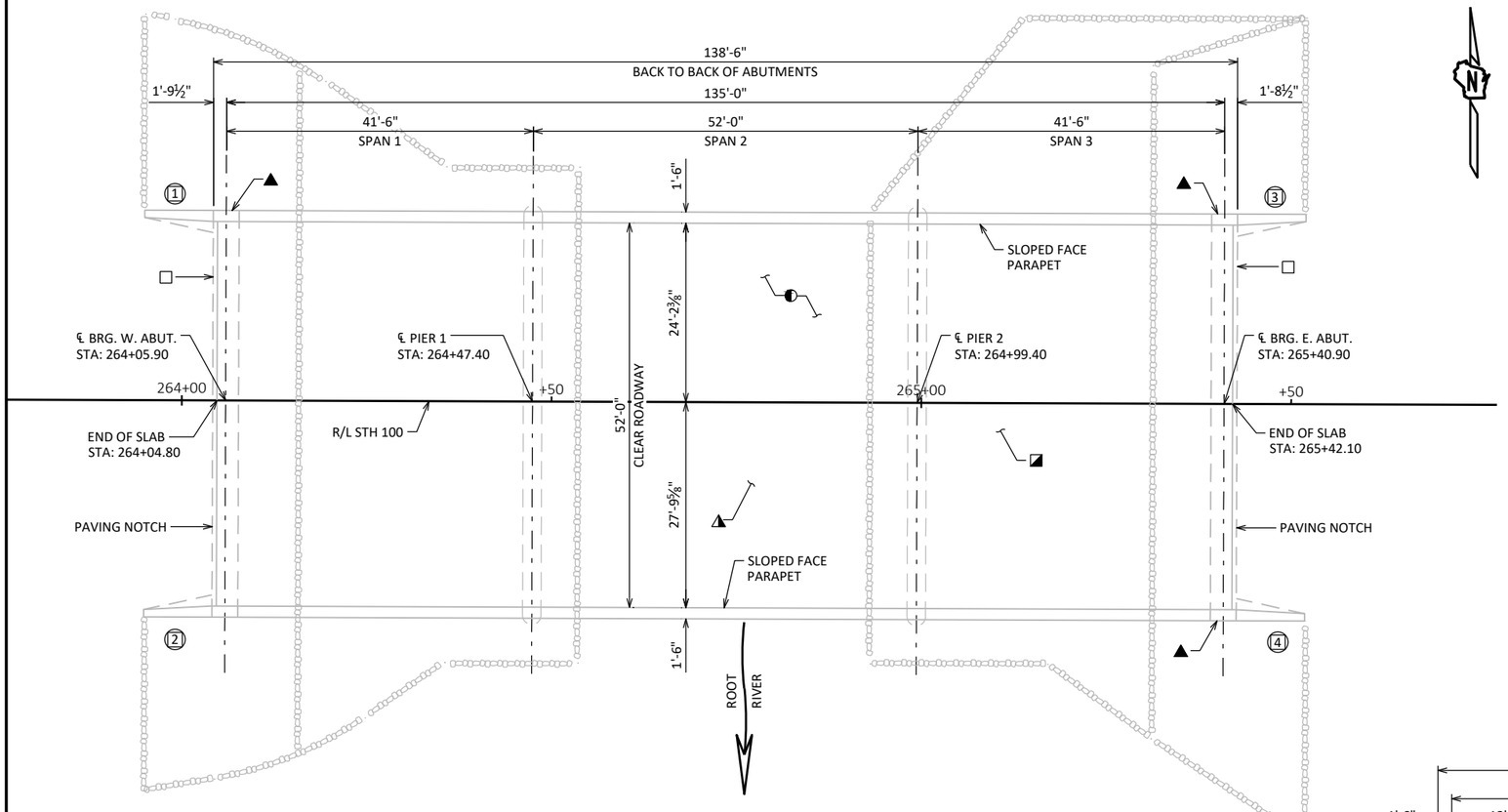
2.250" Radius, 0.625" Border, 0.500" Indent



2.250" Radius, 0.625" Border, 0.500" Indent

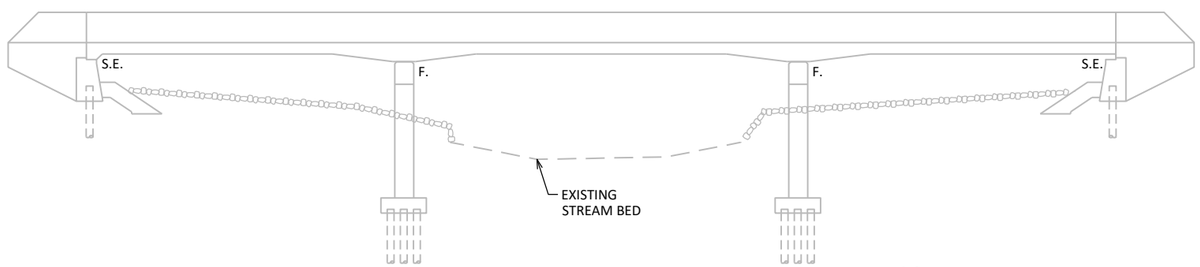
STATE PROJECT NUMBER

2040-15-73



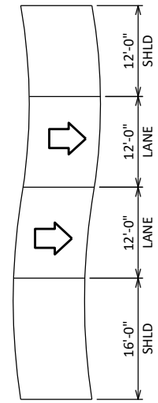
PLAN

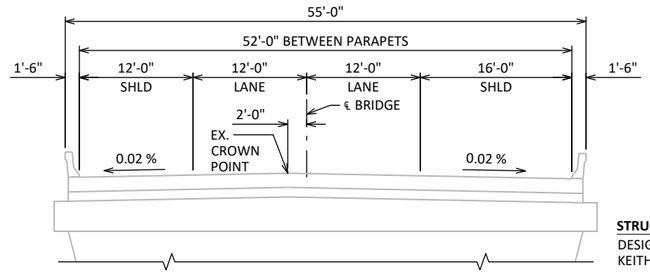
(REHABILITATION OF 3-SPAN HAUNCHED SLAB)



ELEVATION

(LOOKING NORTH, NORMAL TO SUBSTRUCTURES)





DECK CROSS SECTION

(LOOKING EAST)

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HS20
INVENTORY RATING FACTOR: HS25
OPERATING RATING FACTOR: HS41
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = 250 KIPS

MATERIAL PROPERTIES:

CONCRETE MASONRY:
SUPERSTRUCTURE ——— f'c = 4,000 P.S.I.
ALL OTHER ——— f'c = 3,500 P.S.I.

GENERAL NOTES

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.

LEGEND

◪ CONCRETE SURFACE REPAIR ON UNDERSIDE OF CONCRETE DECK AS DIRECTED BY THE FIELD ENGINEER.

▲ CONCRETE SURFACE REPAIR ON FACE OF ABUTMENT AS DIRECTED BY THE FIELD ENGINEER.

◐ CLEAN AND FILL EXISTING LONGITUDINAL AND TRANSVERSE CRACKS WITH PENETRATING EPOXY AS DIRECTED BY THE FIELD ENGINEER.

(#) INDICATES WING NUMBER.

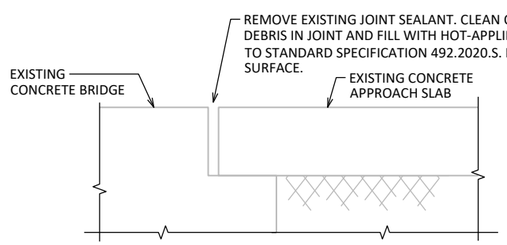
□ CLEAN AND SEAL TRANSVERSE JOINT BETWEEN EXISTING APPROACH SLAB AND PAVING BLOCK WITH HOT-APPLIED SEALANT.

◭ PROVIDE PROTECTIVE SURFACE TREATMENT RESEAL TO TOP OF EXISTING DECK.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTAL
203.0335	DEBRIS CONTAINMENT OVER WATERWAY (B-40-547)	EACH	1
492.2020.S	CLEANING AND SEALING CRACKS AND JOINTS WITH HOT-APPLIED SEALANT	MI	0.02
502.0180.S	BRIDGE DECK CRACK SEALING	LF	237
502.3215	PROTECTIVE SURFACE TREATMENT RESEAL	SY	793
509.1500	CONCRETE SURFACE REPAIR	SF	320

WISCONSIN
KEITH R. BEHREND
E-42073
MADISON
WI
PROFESSIONAL ENGINEER
7/23/2024



JOINT SEAL DETAIL

STRUCTURE DESIGN CONTACTS:

DESIGN CONSULTANT CONTACT:
KEITH BEHREND 608-251-4843

BUREAU OF STRUCTURES CONTACT:
AARON BONK 608-261-0261

NO.	DATE	REVISION	BY

STRAND ASSOCIATES®
MADISON, WISCONSIN 53715
(608)–251–4843
(608) 251–8655 FAX
WWW.STRAND.COM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORATION

ACCEPTED SDR 08/06/24
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-40-547

STH 100 EB OVER ROOT RIVER

COUNTY: MILWAUKEE | ~~TOWN~~/CITY/~~VILLAGE~~: FRANKLIN

DESIGN SPEC.
REHABILITATION N/A

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
JDH	KRB	ZHC	KRB

GENERAL PLAN

SHEET 1 OF 1
555

I.D.

DATE:

SCALE =

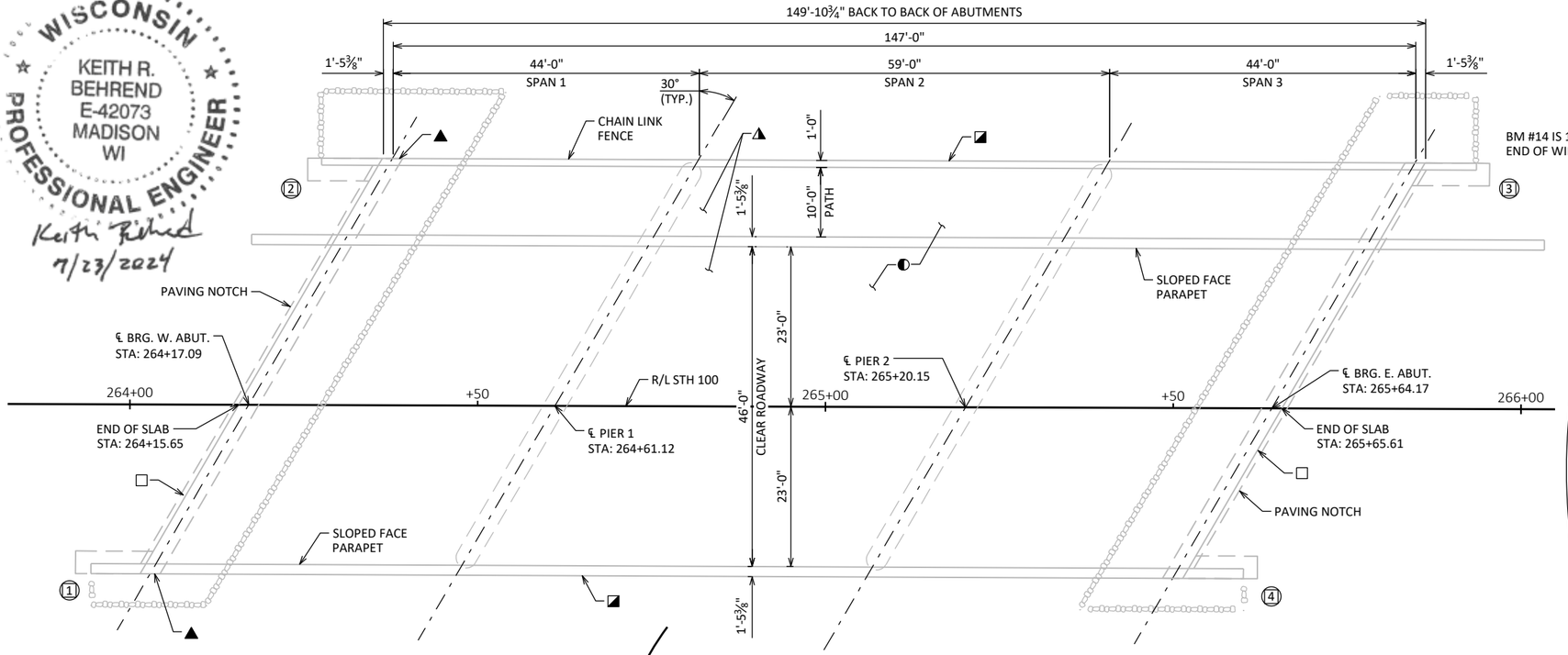
8

8



STATE PROJECT NUMBER

2040-15-73



PLAN

(REHABILITATION OF 3-SPAN HAUNCHED SLAB)

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HS20
INVENTORY RATING FACTOR: HS25
OPERATING RATING FACTOR: HS43
WISCONSIN STANDARD PERMIT VEHICLE (Wis-SPV)= 250 kips

MATERIAL PROPERTIES:

CONCRETE MASONRY:
SUPERSTRUCTURE ——— f'c = 4,000 P.S.I.
ALL OTHER ——— f'c = 3,500 P.S.I.

GENERAL NOTES

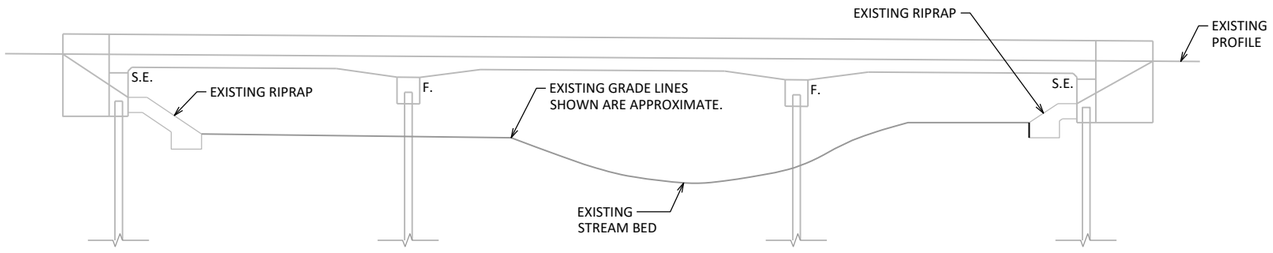
DRAWINGS SHALL NOT BE SCALED.

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.

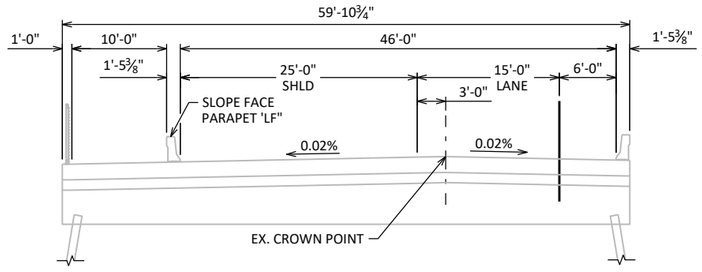
LEGEND

- ◪ CONCRETE SURFACE REPAIR ON EDGE OF CONCRETE DECK AS DIRECTED BY THE FIELD ENGINEER.
- ▲ CONCRETE SURFACE REPAIR ON FACE OF ABUTMENT AS DIRECTED BY THE FIELD ENGINEER.
- ◐ CLEAN AND FILL EXISTING LONGITUDINAL AND TRANSVERSE CRACKS WITH PENETRATING EPOXY AS DIRECTED BY THE FIELD ENGINEER.
- (#) INDICATES WING NUMBER.
- □ CLEAN AND SEAL TRANSVERSE JOINT BETWEEN EXISTING APPROACH SLAB AND PAVING BLOCK WITH HOT-APPLIED SEALANT.
- ⚠ PROVIDE PROTECTIVE SURFACE TREATMENT RESEAL TO TOP OF EXISTING PATH AND DECK.



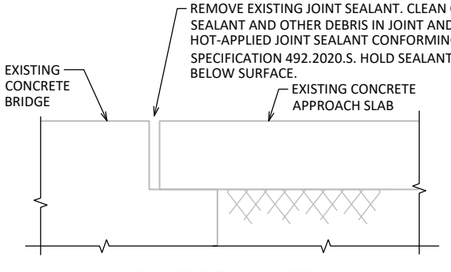
ELEVATION

(LOOKING NORTH, NORMAL TO SUBSTRUCTURES)



CROSS SECTION THRU ROADWAY

(LOOKING EAST)



JOINT SEAL DETAIL

BENCH MARK

NO.	STATION	DESCRIPTION	ELEV.
14	267+61.31	RAILROAD SPIKE	688.56

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTAL
203.0335	DEBRIS CONTAINMENT OVER WATERWAY (B-40-681)	EACH	1
492.2020.S	CLEANING AND SEALING CRACKS AND JOINTS WITH HOT-APPLIED SEALANT	MI	0.02
502.0180.S	BRIDGE DECK CRACK SEALING	LF	223
502.3215	PROTECTIVE SURFACE TREATMENT RESEAL	SY	933
509.1500	CONCRETE SURFACE REPAIR	SF	60

STRUCTURE DESIGN CONTACTS:

DESIGN CONSULTANT CONTACT:
KEITH BEHREND 608-251-4843

BUREAU OF STRUCTURES CONTACT:
AARON BONK 608-261-0261

NO.	DATE	REVISION	BY

STRAND ASSOCIATES®
MADISON, WISCONSIN 53715
(608)–251–4843
(608) 251–8655 FAX
WWW.STRAND.COM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORATION

ACCEPTED SDR 08/06/24
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-40-681

STH 100 WB OVER ROOT RIVER

COUNTY MILWAUKEE ~~TOWN~~/CITY/~~VILLAGE~~ FRANKLIN

DESIGN SPEC.
REHABILITATION N/A

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
JDH	KRB	ZHC	KRB

GENERAL PLAN

SHEET 1 OF 1
556

I.D. DATE:

SCALE =

8

8

CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	AREA (SF) CUT	AREA (SF) SALVAGED/UNUSABLE PAVEMENT MATERIAL	AREA (SF) FILL	AREA (SF) MARSH EXC	AREA (SF) EBS	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 3	INCREMENTAL VOL (CY) (UNADJUSTED) MARSH EXC	INCREMENTAL VOL (CY) (UNADJUSTED) EBS	CUMULATIVE VOL (CY) CUT NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) EXPANDED EBS BACKFILL 1.30 NOTE 5	CUMULATIVE VOL (CY) MASS ORDINATE NOTE 8
0010	125+51		213	47	0	0	11	0	0	0	0	0	0	0	0	0
	126+00	49	202	47	0	0	10	377	85	0	0	19	377	0	25	292
	126+50	50	186	47	2	0	9	360	87	2	0	18	737	3	48	563
	127+00	50	167	47	2	0	8	328	87	5	0	16	1,065	9	69	797
	127+50	50	122	47	0	0	6	268	87	2	0	13	1,333	11	86	976
	127+68	18	116	47	0	0	6	80	32	0	0	4	1,413	11	91	1,024
	128+00	32	112	47	0	0	6	134	55	0	0	7	1,547	11	100	1,103
	128+50	50	111	47	0	0	6	206	87	0	0	10	1,753	11	113	1,222
	129+00	50	111	47	0	0	6	205	87	0	0	10	1,958	11	126	1,340
	129+50	50	108	47	0	0	5	203	87	0	0	10	2,161	11	139	1,456
	129+69	19	116	47	0	0	6	80	34	0	0	4	2,241	11	144	1,502
	130+00	31	108	47	0	0	5	127	53	0	0	6	2,368	11	152	1,576
	130+50	50	108	47	0	0	5	200	87	0	0	10	2,568	11	165	1,689
	131+00	50	103	47	0	0	5	195	87	0	0	10	2,763	11	178	1,797
	131+37	37	117	47	0	0	6	151	65	0	0	8	2,914	11	189	1,883
	131+50	13	106	47	0	0	5	53	22	0	0	3	2,967	11	192	1,914
	132+00	50	109	47	0	0	5	199	87	0	0	10	3,166	11	205	2,026
	132+50	50	109	47	0	0	5	202	87	0	0	10	3,368	11	218	2,141
	133+00	50	112	47	0	0	6	205	87	0	0	10	3,573	11	231	2,259
	133+44	44	112	47	0	0	6	181	76	0	0	9	3,754	11	243	2,364
	133+50	6	112	47	0	0	6	26	11	0	0	1	3,780	11	244	2,379
	133+80	30	128	47	0	0	6	134	52	0	0	7	3,914	11	254	2,461
	134+00	20	124	47	8	0	6	93	35	3	0	5	4,007	15	260	2,515
	134+50	50	108	47	1	0	5	215	87	8	0	11	4,222	25	274	2,633
	135+00	50	109	47	0	0	5	201	87	1	0	10	4,423	26	287	2,746
	135+50	50	114	47	0	0	6	206	87	0	0	10	4,629	26	300	2,865
	135+72	22	123	47	0	0	6	98	39	0	0	5	4,727	26	307	2,924
	136+00	28	116	47	0	0	6	123	48	0	0	6	4,850	26	315	2,999
	136+50	50	114	47	0	0	6	213	87	0	0	11	5,063	26	329	3,125
	137+00	50	114	47	0	0	6	210	87	0	0	11	5,273	26	343	3,248
	137+50	50	114	47	0	0	6	211	87	0	0	11	5,484	26	358	3,372
	137+65	15	114	47	0	0	6	64	26	0	0	3	5,548	26	361	3,410
	138+00	35	114	47	0	0	6	147	61	0	0	7	5,695	26	371	3,496
	138+50	50	113	47	0	0	6	210	87	0	0	11	5,905	26	385	3,619
	138+90	40	115	47	0	0	6	169	70	0	0	8	6,074	26	395	3,718
	139+00	10	115	47	0	0	6	43	17	0	0	2	6,117	26	398	3,744
	139+50	50	114	47	1	0	6	212	87	1	0	11	6,329	28	412	3,868
	139+78	28	118	47	0	0	6	119	48	0	0	6	6,448	28	420	3,939
	140+00	22	122	47	0	0	6	99	39	0	0	5	6,547	28	426	3,999
	140+50	50	128	47	3	0	6	232	87	3	0	12	6,779	31	442	4,140
	141+00	50	142	47	0	0	7	250	87	3	0	12	7,029	35	458	4,299
	141+22	22	140	47	0	0	7	115	38	0	0	6	7,144	35	465	4,376
	141+50	28	153	47	3	0	8	152	49	1	0	8	7,296	36	476	4,478
	141+56	6	152	47	3	0	8	32	10	1	0	2	7,328	38	478	4,499
	142+00	44	160	47	13	0	8	256	77	13	0	13	7,584	54	495	4,661
	142+50	50	159	47	1	0	8	296	87	13	0	15	7,880	70	515	4,854
	142+72	22	160	47	0	0	8	129	38	1	0	6	8,009	71	523	4,944
	143+00	28	157	47	0	0	8	165	49	0	0	8	8,174	71	533	5,060
	143+50	50	171	47	0	0	9	304	87	0	0	15	8,478	71	553	5,277
	144+00	50	153	47	5	0	8	300	87	4	0	15	8,778	76	572	5,485
	144+50	50	153	47	5	0	8	283	87	9	0	14	9,061	88	590	5,670
	145+00	50	156	47	5	0	8	286	87	10	0	14	9,347	100	608	5,856
	145+50	50	159	47	3	0	8	291	87	8	0	15	9,638	110	628	6,050
	146+00	50	164	47	6	0	8	299	87	9	0	15	9,937	121	647	6,251
	146+43	43	179	47	0	0	9	270	74	5	0	14	10,207	128	666	6,441
	146+50	7	181	47	0	0	9	50	13	0	0	2	10,257	128	668	6,478
	147+00	50	155	47	10	0	8	311	87	9	0	16	10,568	139	689	6,690
	147+50	50	147	47	7	0	7	280	87	16	0	14	10,848	159	707	6,863
	148+00	50	136	47	25	0	7	262	87	30	0	13	11,110	196	724	7,001
	148+50	50	122	47	11	0	6	239	87	33	0	12	11,349	238	740	7,112
	149+00	50	117	47	7	0	6	222	87	16	0	11	11,571	258	754	7,227
	149+50	50	113	47	6	0	6	213	87	12	0	11	11,784	273	768	7,338
	149+64	14	112	47	6	0	6	59	25	3	0	3	11,843	276	772	7,368
	150+00	36	113	47	10	0	6	150	62	10	0	7	11,993	289	781	7,443
	150+24	24	123	47	0	0	6	106	42	4	0	5	12,099	294	788	7,502

CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	AREA (SF) CUT	AREA (SF) SALVAGED/UNUSABLE PAVEMENT MATERIAL	AREA (SF) FILL	AREA (SF) MARSH EXC	AREA (SF) EBS	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 3	INCREMENTAL VOL (CY) (UNADJUSTED) MARSH EXC	INCREMENTAL VOL (CY) (UNADJUSTED) EBS	CUMULATIVE VOL (CY) CUT NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) EXPANDED EBS BACKFILL 1.30 NOTE 5	CUMULATIVE VOL (CY) MASS ORDINATE NOTE 8
0010	150+50	26	118	47	5	0	6	115	45	2	0	6	12,214	296	796	7,570
	151+00	50	120	47	14	0	6	221	87	17	0	11	12,435	318	810	7,683
	151+50	50	119	47	0	0	6	222	87	13	0	11	12,657	334	824	7,801
	152+00	50	115	47	0	0	6	217	87	0	0	11	12,874	334	839	7,931
	152+50	50	114	47	0	0	6	212	87	0	0	11	13,086	334	853	8,056
	152+91	41	129	47	0	0	6	184	71	0	0	9	13,270	334	865	8,169
	153+00	9	112	47	17	0	6	40	16	3	0	2	13,310	338	867	8,190
	153+50	50	109	47	0	0	5	205	87	16	0	10	13,515	358	880	8,288
	153+76	26	121	47	0	0	6	109	44	0	0	5	13,624	358	887	8,353
	154+00	24	113	47	0	0	6	106	43	0	0	5	13,730	358	893	8,416
	154+50	50	112	47	0	0	6	209	87	0	0	10	13,939	358	906	8,538
	155+00	50	112	47	0	0	6	208	87	0	0	10	14,147	358	919	8,659
	155+31	31	118	47	2	0	6	131	54	1	0	7	14,278	359	928	8,734
	155+50	19	98	47	8	0	5	77	33	4	0	4	14,355	364	933	8,773
	156+00	50	102	47	0	0	5	186	87	8	0	9	14,541	374	945	8,862
	156+50	50	106	47	0	0	5	193	87	0	0	10	14,734	374	958	8,968
	157+00	50	103	47	0	0	5	194	87	0	0	10	14,928	374	971	9,075
	157+50	50	110	47	0	0	5	197	87	0	0	10	15,125	374	984	9,185
	157+64	14	113	47	0	0	6	58	24	0	0	3	15,183	374	988	9,219
	158+00	36	112	47	0	0	6	150	63	0	0	7	15,333	374	997	9,306
	158+50	50	109	47	0	0	5	205	87	0	0	10	15,538	374	1,010	9,424
	158+89	39	112	47	0	0	6	161	69	0	0	8	15,699	374	1,021	9,516
	159+00	11	111	47	0	0	6	44	19	0	0	2	15,743	374	1,023	9,541
	159+50	50	108	47	0	0	5	202	87	0	0	10	15,945	374	1,036	9,656
	160+00	50	109	47	0	0	5	201	87	0	0	10	16,146	374	1,049	9,770
	160+24	24	114	47	0	0	6	98	41	0	0	5	16,244	374	1,056	9,827
	160+50	26	110	47	0	0	5	109	46	0	0	5	16,353	374	1,062	9,890
	161+00	50	110	47	0	0	6	204	87	0	0	10	16,557	374	1,075	10,007
	161+50	50	109	47	0	0	5	203	87	0	0	10	16,760	374	1,088	10,123
	162+00	50	105	47	0	0	5	198	87	0	0	10	16,958	374	1,101	10,234
	162+10	10	105	47	0	0	5	38	17	0	0	2	16,996	374	1,104	10,255
	162+50	40	107	47	0	0	5	158	70	0	0	8	17,154	374	1,114	10,343
	163+00	50	108	47	0	0	5	199	87	0	0	10	17,353	374	1,127	10,455
	163+50	50	112	47	9	0	6	204	87	8	0	10	17,557	384	1,140	10,562
	164+00	50	114	47	15	0	6	209	87	22	0	10	17,766	411	1,153	10,657
	164+50	50	112	47	11	0	6	209	87	24	0	10	17,975	441	1,166	10,749
	165+00	50	110	47	12	0	5	205	87	22	0	10	18,180	469	1,179	10,839
	165+50	50	109	47	12	0	5	202	87	23	0	10	18,382	498	1,192	10,926
	166+00	50	109	47	15	0	5	201	87	26	0	10	18,583	530	1,205	11,007
	166+50	50	109	47	15	0	5	202	87	28	0	10	18,785	565	1,218	11,087
	167+00	50	106	47	1	0	5	199	87	15	0	10	18,984	584	1,231	11,180
	167+36	36	112	47	0	0	6	144	62	0	0	7	19,128	584	1,240	11,262
	167+50	14	111	47	0	0	6	59	25	0	0	3	19,187	584	1,244	11,296
	168+00	50	102	47	0	0	5	197	87	0	0	10	19,384	584	1,257	11,406
	168+50	50	107	47	0	0	5	194	87	0	0	10	19,578	584	1,270	11,513
	169+00	50	113	47	0	0	6	204	87	0	0	10	19,782	584	1,283	11,630
	169+50	50	116	47	0	0	6	212	87	0	0	11	19,994	584	1,297	11,755
	170+00	50	123	47	0	0	6	222	87	0	0	11	20,216	584	1,312	11,890
	170+50	50	122	47	0	0	6	227	87	0	0	11	20,443	584	1,326	12,030
	171+00	50	121	47	0	0	6	225	87	0	0	11	20,668	584	1,340	12,168
	171+50	50	120	47	0	0	6	223	87	0	0	11	20,891	584	1,355	12,304
	172+00	50	117	47	0	0	6	219	87	0	0	11	21,110	584	1,369	12,436
	172+50	50	114	47	0	0	6	214	87	0	0	11	21,324	584	1,383	12,563
	173+00	50	114	47	0	0	6	211	87	0	0	11	21,535	584	1,398	12,687
	173+50	50	113	47	0	0	6	210	87	0	0	11	21,745	584	1,412	12,810
	174+00	50	109	47	0	0	5	206	87	0	0	10	21,951	584	1,425	12,929
	174+50	50	108	47	0	0	5	201	87	0	0	10	22,152	584	1,438	13,043
	175+00	50	108	47	0	0	5	201	87	0	0	10	22,353	584	1,451	13,157
	175+50	50	110	47	0	0	5	202	87	0	0	10	22,555	584	1,464	13,272
	176+00	50	111	47	0	0	6	204	87	0	0	10	22,759	584	1,477	13,389
	176+50	50	111	47	0	0	6	205	87	0	0	10	22,964	584	1,490	13,507
	177+00	50	109	47	0	0	5	203	87	0	0	10	23,167	584	1,503	13,623
	177+23	23	110	47	0	0	5	92	39	0	0	5	23,259	584	1,509	13,676
	177+50	27	110	47	0	0	5	111	48	0	0	6	23,370	584	1,517	13,739
	178+00	50	114	47	8	0	6	207	87	7	0	10	23,577	593	1,530	13,851

CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	AREA (SF) CUT	AREA (SF) SALVAGED/UNUSABLE PAVEMENT MATERIAL	AREA (SF) FILL	AREA (SF) MARSH EXC	AREA (SF) EBS	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 3	INCREMENTAL VOL (CY) (UNADJUSTED) MARSH EXC	INCREMENTAL VOL (CY) (UNADJUSTED) EBS	CUMULATIVE VOL (CY) CUT NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) EXPANDED EBS BACKFILL 1.30 NOTE 5	CUMULATIVE VOL (CY) MASS ORDINATE NOTE 8
0010	178+50	50	133	47	23	0	7	229	87	28	0	11	23,806	628	1,544	13,958
	178+58	8	143	47	21	0	7	41	14	6	0	2	23,847	635	1,547	13,977
	178+71	13	129	47	10	0	6	68	23	8	0	3	23,915	645	1,551	14,012
	178+75	4	130	47	15	0	7	20	7	2	0	1	23,935	648	1,552	14,023
	178+93	17	131	47	14	0	7	85	30	10	0	4	24,020	660	1,557	14,065
	178+96	3	131	47	14	0	7	16	6	2	0	1	24,036	663	1,559	14,073
	179+00	4	130	47	14	0	6	18	6	2	0	1	24,054	665	1,560	14,082
	179+18	18	127	47	26	0	6	85	31	13	0	4	24,139	681	1,565	14,120
	179+21	3	127	47	26	0	6	16	6	3	0	1	24,155	685	1,567	14,126
	179+43	21	130	47	28	0	6	102	37	21	0	5	24,257	711	1,573	14,165
	179+50	7	131	47	12	0	7	35	13	5	0	2	24,292	718	1,576	14,181
	179+52	2	131	47	12	0	7	9	3	1	0	0	24,301	719	1,576	14,185
	179+90	38	131	47	0	0	7	186	66	9	0	9	24,487	730	1,587	14,294
	180+00	10	131	47	0	0	7	48	17	0	0	2	24,535	730	1,590	14,325
	180+50	50	131	47	0	0	7	243	87	0	0	12	24,778	730	1,606	14,481
	180+82	32	132	47	0	0	7	154	55	0	0	8	24,932	730	1,616	14,580
	181+00	18	131	47	0	0	7	90	32	0	0	4	25,022	730	1,621	14,638
	181+50	50	131	47	0	0	7	243	87	0	0	12	25,265	730	1,637	14,794
	182+00	50	132	47	0	0	7	244	87	0	0	12	25,509	730	1,652	14,951
	182+50	50	140	47	0	0	7	252	87	0	0	13	25,761	730	1,669	15,116
	183+00	50	136	47	0	0	7	255	87	0	0	13	26,016	730	1,686	15,284
	183+50	50	130	47	0	0	7	247	87	0	0	12	26,263	730	1,702	15,444
	184+00	50	130	47	0	0	6	241	87	0	0	12	26,504	730	1,717	15,598
	184+50	50	141	47	0	0	7	251	87	0	0	13	26,755	730	1,734	15,762
	185+00	50	142	47	0	0	7	262	87	0	0	13	27,017	730	1,751	15,937
	185+50	50	134	47	0	0	7	255	87	0	0	13	27,272	730	1,768	16,105
	186+00	50	135	47	0	0	7	249	87	0	0	12	27,521	730	1,784	16,267
	186+50	50	136	47	0	0	7	251	87	0	0	13	27,772	730	1,801	16,431
	187+00	50	134	47	0	0	7	250	87	0	0	12	28,022	730	1,816	16,594
	187+50	50	132	47	0	0	7	246	87	0	0	12	28,268	730	1,832	16,753
	187+59	9	131	47	0	0	7	46	16	0	0	2	28,314	730	1,834	16,783
	188+00	41	130	47	0	0	7	196	71	0	0	10	28,510	730	1,847	16,908
	188+50	50	126	47	0	0	6	237	87	0	0	12	28,747	730	1,863	17,058
	189+00	50	122	47	0	0	6	229	87	0	0	11	28,976	730	1,877	17,200
	189+50	50	120	47	-9	0	6	224	87	-8	0	11	29,200	720	1,892	17,347
	189+76	26	117	47	2	0	6	114	45	-3	0	6	29,314	716	1,899	17,420
	190+00	24	121	47	-4	0	6	105	42	-1	0	5	29,419	715	1,906	17,484
	190+01	1	121	47	-2	0	6	6	2	0	0	0	29,425	715	1,906	17,488
	190+24	23	127	47	7	0	6	104	39	2	0	5	29,529	718	1,912	17,551
	190+27	3	131	47	9	0	7	12	4	1	0	1	29,541	719	1,914	17,557
	190+49	22	136	47	18	0	7	109	38	11	0	5	29,650	733	1,920	17,615
	190+50	1	136	47	18	0	7	7	2	1	0	0	29,657	734	1,920	17,618
	190+73	23	126	47	16	0	6	113	41	15	0	6	29,770	753	1,928	17,672
	191+00	27	125	47	2	0	6	124	46	9	0	6	29,894	764	1,936	17,738
	191+50	50	118	47	11	0	6	225	87	12	0	11	30,119	779	1,950	17,861
	192+00	50	131	47	36	0	7	230	87	44	0	11	30,349	834	1,964	17,949
	192+50	50	141	47	18	0	7	251	87	50	0	13	30,600	896	1,981	18,051
	193+00	50	141	47	6	0	7	261	87	22	0	13	30,861	924	1,998	18,197
	193+50	50	133	47	6	0	7	254	87	12	0	13	31,115	939	2,015	18,349
	194+00	50	136	47	13	0	7	249	87	17	0	12	31,364	960	2,031	18,490
	194+50	50	137	47	19	0	7	253	87	29	0	13	31,617	996	2,048	18,620
	195+00	50	143	47	17	0	7	260	87	34	0	13	31,877	1,039	2,064	18,750
	195+50	50	127	47	18	0	6	251	87	33	0	13	32,128	1,080	2,081	18,873
	196+00	50	124	47	27	0	6	233	87	42	0	12	32,361	1,133	2,097	18,967
	196+50	50	124	47	35	0	6	230	87	57	0	12	32,591	1,204	2,113	19,038
	196+89	39	117	47	2	0	6	172	67	27	0	9	32,763	1,238	2,124	19,110
	197+00	11	113	47	24	0	6	49	20	5	0	2	32,812	1,244	2,127	19,132
	197+50	50	111	47	0	0	6	208	87	22	0	10	33,020	1,271	2,140	19,226
	198+00	50	111	47	0	0	6	205	87	0	0	10	33,225	1,271	2,153	19,344
	198+50	50	110	47	0	0	6	205	87	0	0	10	33,430	1,271	2,166	19,462
	198+98	48	111	47	27	0	6	195	83	24	0	10	33,625	1,301	2,179	19,544
	199+00	2	111	47	28	0	6	9	4	2	0	0	33,634	1,304	2,179	19,546
	199+36	36	107	47	0	0	5	145	62	19	0	7	33,779	1,328	2,188	19,606
	199+50	14	107	47	1	0	5	56	25	0	0	3	33,835	1,328	2,192	19,637
	200+00	50	106	47	1	0	5	197	87	1	0	10	34,032	1,329	2,205	19,745

CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	AREA (SF) CUT	AREA (SF) SALVAGED/UNUSABLE PAVEMENT MATERIAL	AREA (SF) FILL	AREA (SF) MARSH EXC	AREA (SF) EBS	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 3	INCREMENTAL VOL (CY) (UNADJUSTED) MARSH EXC	INCREMENTAL VOL (CY) (UNADJUSTED) EBS	CUMULATIVE VOL (CY) CUT NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) EXPANDED EBS BACKFILL 1.30 NOTE 5	CUMULATIVE VOL (CY) MASS ORDINATE NOTE 8
0010	200+12	12	107	47	3	0	5	49	21	1	0	2	34,081	1,330	2,207	19,772
	200+42	29	120	47	0	0	6	124	51	1	0	6	34,205	1,331	2,215	19,844
	200+50	8	122	47	0	0	6	37	14	0	0	2	34,242	1,331	2,218	19,867
	200+89	39	116	47	0	0	6	171	67	0	0	9	34,413	1,331	2,230	19,971
	201+00	11	114	47	0	0	6	48	20	0	0	2	34,461	1,331	2,232	19,999
	201+47	47	117	47	1	0	6	200	81	1	0	10	34,661	1,333	2,245	20,117
	201+50	3	116	47	1	0	6	14	6	0	0	1	34,675	1,333	2,246	20,125
	201+65	15	115	47	2	0	6	65	26	1	0	3	34,740	1,334	2,250	20,162
	202+00	35	97	47	1	0	5	137	61	2	0	7	34,877	1,336	2,259	20,236
	202+50	50	117	47	5	0	6	199	87	6	0	10	35,076	1,344	2,272	20,340
	203+00	50	121	47	3	0	6	221	87	7	0	11	35,297	1,353	2,287	20,466
	203+50	50	121	47	4	0	6	225	87	7	0	11	35,522	1,361	2,301	20,595
	203+85	35	128	47	6	0	6	161	61	6	0	8	35,683	1,369	2,311	20,687
	204+00	15	117	47	7	0	6	68	26	4	0	3	35,751	1,374	2,315	20,724
	204+50	50	115	47	4	0	6	215	87	10	0	11	35,966	1,386	2,330	20,840
	205+00	50	120	47	1	0	6	218	87	5	0	11	36,184	1,393	2,344	20,965
	205+50	50	121	47	2	0	6	223	87	3	0	11	36,407	1,396	2,358	21,097
	206+00	50	122	47	2	0	6	225	87	4	0	11	36,632	1,401	2,373	21,230
	206+50	50	123	47	2	0	6	227	87	4	0	11	36,859	1,406	2,387	21,365
	207+00	50	133	47	2	0	7	237	87	4	0	12	37,096	1,411	2,402	21,510
	207+42	42	158	47	0	0	8	229	74	2	0	11	37,325	1,414	2,417	21,662
	207+50	8	155	47	0	0	8	44	13	0	0	2	37,369	1,414	2,419	21,693
	208+00	50	166	47	0	0	8	297	87	0	0	15	37,666	1,414	2,439	21,903
	208+50	50	169	47	2	0	8	310	87	2	0	16	37,976	1,416	2,460	22,124
	209+00	50	176	47	3	0	9	319	87	4	0	16	38,295	1,421	2,480	22,351
	209+50	50	176	47	2	0	9	326	87	5	0	16	38,621	1,428	2,501	22,584
	210+00	50	169	47	0	0	8	320	87	2	0	16	38,941	1,430	2,522	22,814
	210+50	50	165	47	6	0	8	309	87	6	0	15	39,250	1,438	2,542	23,029
	210+64	14	163	47	2	0	8	86	25	2	0	4	39,336	1,440	2,547	23,087
	211+00	36	155	47	0	0	8	210	62	1	0	11	39,546	1,441	2,561	23,234
	211+50	50	152	47	0	0	8	284	87	0	0	14	39,830	1,441	2,579	23,431
	212+00	50	154	47	1	0	8	283	87	1	0	14	40,113	1,443	2,597	23,626
	212+50	50	153	47	0	0	8	284	87	1	0	14	40,397	1,444	2,616	23,821
	213+00	50	151	47	0	0	8	281	87	1	0	14	40,678	1,445	2,634	24,014
	213+50	50	153	47	0	0	8	281	87	1	0	14	40,959	1,446	2,652	24,207
	214+00	50	161	47	12	0	8	290	87	11	0	15	41,249	1,460	2,672	24,396
	214+50	50	157	47	0	0	8	294	87	11	0	15	41,543	1,474	2,691	24,589
	214+60	10	157	47	0	0	8	56	17	0	0	3	41,599	1,474	2,695	24,628
	215+00	40	157	47	1	0	8	234	70	1	0	12	41,833	1,475	2,711	24,791
	215+50	50	156	47	2	0	8	290	87	3	0	15	42,123	1,479	2,730	24,990
	215+58	8	157	47	2	0	8	47	14	1	0	2	42,170	1,480	2,733	25,022
	216+00	42	158	47	1	0	8	245	73	3	0	12	42,415	1,484	2,748	25,190
	216+50	50	154	47	1	0	8	289	87	2	0	14	42,704	1,486	2,766	25,390
	217+00	50	137	47	2	0	7	269	87	3	0	13	42,973	1,490	2,783	25,568
	217+50	50	126	47	3	0	6	244	87	4	0	12	43,217	1,495	2,799	25,720
	218+00	50	128	47	10	0	6	236	87	11	0	12	43,453	1,509	2,815	25,855
	218+50	50	128	47	15	0	6	238	87	22	0	12	43,691	1,536	2,830	25,979
	219+00	50	141	47	0	0	7	249	87	14	0	12	43,940	1,554	2,846	26,123
	219+50	50	137	47	20	0	7	258	87	19	0	13	44,198	1,578	2,863	26,271
	220+00	50	136	47	26	0	7	253	87	42	0	13	44,451	1,630	2,880	26,384
	220+50	50	136	47	22	0	7	252	87	44	0	13	44,703	1,685	2,896	26,494
	221+00	50	129	47	12	0	6	245	87	31	0	12	44,948	1,724	2,912	26,613
	221+26	26	129	47	24	0	6	122	44	17	0	6	45,070	1,745	2,920	26,670
	221+50	24	138	47	6	0	7	121	43	14	0	6	45,191	1,763	2,928	26,731
	222+00	50	152	47	0	0	8	269	87	6	0	13	45,460	1,770	2,945	26,905
	222+50	50	143	47	0	0	7	274	87	0	0	14	45,734	1,770	2,963	27,092
	222+55	5	143	47	0	0	7	28	9	0	0	1	45,762	1,770	2,964	27,111
	223+00	45	127	47	1	0	6	224	78	0	0	11	45,986	1,770	2,978	27,257
	223+50	50	114	47	0	0	6	224	87	1	0	11	46,210	1,771	2,993	27,393
	224+00	50	129	47	0	0	6	226	87	0	0	11	46,436	1,771	3,007	27,532
	224+50	50	132	47	0	0	7	242	87	0	0	12	46,678	1,771	3,023	27,687
	225+00	50	162	47	0	0	8	272	87	0	0	14	46,950	1,771	3,041	27,872
	225+50	50	184	47	0	0	9	320	87	0	0	16	47,270	1,771	3,062	28,105
	226+00	50	209	47	0	0	10	364	87	0	0	18	47,634	1,771	3,085	28,382
	226+18	18	217	47	0	0	11	138	30	0	0	7	47,772	1,771	3,094	28,490

CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	AREA (SF) CUT	AREA (SF) SALVAGED/UNUSABLE PAVEMENT MATERIAL	AREA (SF) FILL	AREA (SF) MARSH EXC	AREA (SF) EBS	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 3	INCREMENTAL VOL (CY) (UNADJUSTED) MARSH EXC	INCREMENTAL VOL (CY) (UNADJUSTED) EBS	CUMULATIVE VOL (CY) CUT NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) EXPANDED EBS BACKFILL 1.30 NOTE 5	CUMULATIVE VOL (CY) MASS ORDINATE NOTE 8
0010	226+50	32	226	47	0	0	11	266	57	0	0	13	48,038	1,771	3,111	28,699
	227+00	50	208	47	0	0	10	401	87	0	0	20	48,439	1,771	3,137	29,013
	227+50	50	195	47	0	0	10	373	87	0	0	19	48,812	1,771	3,162	29,299
	227+64	14	193	47	0	0	10	100	24	0	0	5	48,912	1,771	3,168	29,375
	228+00	36	186	47	0	0	9	253	63	0	0	13	49,165	1,771	3,185	29,565
	228+36	36	185	47	0	0	9	246	62	0	0	12	49,411	1,771	3,201	29,749
	228+50	14	174	47	0	0	9	94	25	0	0	5	49,505	1,771	3,207	29,818
	229+00	50	157	47	0	0	8	306	87	0	0	15	49,811	1,771	3,227	30,037
	229+50	50	142	47	0	0	7	276	87	0	0	14	50,087	1,771	3,245	30,226
	230+00	50	136	47	0	0	7	257	87	0	0	13	50,344	1,771	3,262	30,396
	230+50	50	121	47	5	0	6	238	87	5	0	12	50,582	1,778	3,277	30,541
	231+00	50	116	47	9	0	6	220	87	13	0	11	50,802	1,794	3,292	30,657
	231+50	50	119	47	9	0	6	218	87	17	0	11	51,020	1,815	3,306	30,767
	232+00	50	126	47	26	0	6	227	87	32	0	11	51,247	1,855	3,320	30,867
	232+50	50	120	47	7	0	6	228	87	30	0	11	51,475	1,893	3,335	30,971
	233+00	50	119	47	7	0	6	222	87	13	0	11	51,697	1,909	3,349	31,089
	233+50	50	120	47	7	0	6	221	87	13	0	11	51,918	1,925	3,363	31,207
	234+00	50	129	47	5	0	6	231	87	11	0	12	52,149	1,939	3,379	31,337
	234+50	50	130	47	6	0	7	241	87	10	0	12	52,390	1,951	3,394	31,479
	235+00	50	129	47	5	0	6	240	87	9	0	12	52,630	1,963	3,410	31,621
	235+50	50	133	47	2	0	7	242	87	7	0	12	52,872	1,971	3,426	31,767
	235+79	29	136	47	0	0	7	144	50	1	0	7	53,016	1,973	3,435	31,860
	236+00	21	133	47	0	0	7	106	37	0	0	5	53,122	1,973	3,441	31,929
	236+47	47	137	47	0	0	7	232	81	0	0	12	53,354	1,973	3,457	32,080
	236+50	3	136	47	0	0	7	18	6	0	0	1	53,372	1,973	3,458	32,092
	237+00	50	120	47	0	1	6	238	87	0	1	12	53,610	1,973	3,474	32,243
	237+21	21	120	47	0	1	6	95	37	0	1	5	53,705	1,973	3,480	32,301
	237+50	29	117	47	0	0	6	126	50	0	1	6	53,831	1,973	3,488	32,377
	238+00	50	116	47	0	0	6	215	87	0	0	11	54,046	1,973	3,502	32,505
	238+50	50	112	47	0	0	6	211	87	0	0	11	54,257	1,973	3,517	32,629
	239+00	50	110	47	0	0	5	206	87	0	0	10	54,463	1,973	3,530	32,748
	239+25	25	108	47	0	0	5	101	44	0	0	5	54,564	1,973	3,536	32,805
	239+50	25	107	47	1	0	5	100	44	1	0	5	54,664	1,974	3,543	32,859
	240+00	50	107	47	16	0	5	198	87	16	0	10	54,862	1,994	3,556	32,950
	240+50	50	118	47	0	0	6	208	87	15	0	10	55,070	2,013	3,569	33,053
	241+00	50	112	47	1	0	6	213	87	1	0	11	55,283	2,014	3,583	33,177
	241+16	16	123	47	0	0	6	72	29	1	0	4	55,355	2,015	3,588	33,219
	241+50	34	115	47	0	0	6	147	58	0	0	7	55,502	2,015	3,597	33,308
	242+00	50	112	47	0	0	6	210	87	1	0	10	55,712	2,016	3,610	33,430
	242+50	50	115	47	0	0	6	210	87	0	0	11	55,922	2,016	3,624	33,553
	242+64	14	114	47	0	0	6	61	25	0	0	3	55,983	2,016	3,628	33,589
	243+00	36	110	47	0	0	5	148	62	0	0	7	56,131	2,016	3,637	33,675
	243+50	50	107	47	0	0	5	201	87	1	0	10	56,332	2,018	3,650	33,788
	244+00	50	107	47	1	0	5	199	87	1	0	10	56,531	2,019	3,663	33,898
	244+30	30	103	47	1	0	5	116	52	1	0	6	56,647	2,020	3,671	33,961
	244+50	20	101	47	2	0	5	76	35	1	0	4	56,723	2,021	3,676	34,001
	245+00	50	99	47	1	0	5	186	87	3	0	9	56,909	2,025	3,688	34,096
	245+50	50	100	47	1	0	5	184	87	2	0	9	57,093	2,028	3,700	34,191
	245+93	43	108	47	1	0	5	166	75	1	0	8	57,259	2,029	3,710	34,280
	246+00	7	100	47	1	0	5	26	12	0	0	1	57,285	2,029	3,712	34,294
	246+50	50	102	47	1	0	5	188	87	1	0	9	57,473	2,030	3,723	34,394
	246+90	40	111	47	0	0	6	157	69	1	0	8	57,630	2,031	3,734	34,481
	247+00	10	112	47	0	0	6	42	18	0	0	2	57,672	2,031	3,736	34,505
	247+50	50	114	47	0	0	6	209	87	1	0	10	57,881	2,033	3,749	34,626
	248+00	50	125	47	0	0	6	221	87	0	0	11	58,102	2,033	3,764	34,760
	248+50	50	133	47	2	0	7	239	87	2	0	12	58,341	2,035	3,779	34,909
	249+00	50	133	47	5	0	7	246	87	6	0	12	58,587	2,043	3,795	35,061
	249+37	37	147	47	0	0	7	192	65	3	0	10	58,779	2,046	3,808	35,184
	249+50	13	141	47	6	0	7	69	22	2	0	3	58,848	2,049	3,812	35,228
	250+00	50	135	47	4	0	7	255	87	9	0	13	59,103	2,060	3,829	35,385
	250+19	19	136	47	2	0	7	97	34	2	0	5	59,200	2,063	3,835	35,446
	250+50	31	136	47	2	0	7	154	53	2	0	8	59,354	2,065	3,845	35,544
	251+00	50	144	47	22	0	7	259	87	22	0	13	59,613	2,093	3,862	35,689
	251+50	50	134	47	3	0	7	258	87	23	0	13	59,871	2,121	3,879	35,831
	252+00	50	131	47	3	0	7	246	87	5	0	12	60,117	2,128	3,895	35,984

STH 100

CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	AREA (SF) CUT	AREA (SF) SALVAGED/UNUSABLE PAVEMENT MATERIAL	AREA (SF) FILL	AREA (SF) MARSH EXC	AREA (SF) EBS	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 3	INCREMENTAL VOL (CY) (UNADJUSTED) MARSH EXC	INCREMENTAL VOL (CY) (UNADJUSTED) EBS	CUMULATIVE VOL (CY) CUT NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) EXPANDED EBS BACKFILL 1.30 NOTE 5	CUMULATIVE VOL (CY) MASS ORDINATE NOTE 8
0010	252+50	50	134	47	3	0	7	245	87	6	0	12	60,362	2,135	3,910	36,134
	253+00	50	130	47	3	0	7	245	87	6	0	12	60,607	2,143	3,926	36,285
	253+50	50	132	47	4	0	7	243	87	6	0	12	60,850	2,150	3,942	36,433
	254+00	50	134	47	0	0	7	246	87	4	0	12	61,096	2,155	3,957	36,587
	254+50	50	148	47	0	0	7	261	87	0	0	13	61,357	2,155	3,974	36,761
	255+00	50	151	47	1	0	8	277	87	1	0	14	61,634	2,156	3,992	36,950
	255+50	50	154	47	1	0	8	282	87	2	0	14	61,916	2,159	4,011	37,142
	256+00	50	158	47	0	0	8	288	87	1	0	14	62,204	2,160	4,029	37,342
	256+50	50	165	47	0	0	8	299	87	0	0	15	62,503	2,160	4,048	37,554
	257+00	50	179	47	0	0	9	318	87	0	0	16	62,821	2,160	4,069	37,785
	257+50	50	190	47	0	0	9	341	87	0	0	17	63,162	2,160	4,091	38,039
	258+00	50	192	47	0	0	10	353	87	0	0	18	63,515	2,160	4,115	38,305
	258+50	50	198	47	0	0	10	361	87	0	0	18	63,876	2,160	4,138	38,579
	259+00	50	199	47	0	0	10	367	87	0	0	18	64,243	2,160	4,161	38,859
	259+50	50	209	47	0	0	10	377	87	0	0	19	64,620	2,160	4,186	39,149
	260+00	50	215	47	13	0	11	392	87	12	0	20	65,012	2,175	4,212	39,439
	260+50	50	226	47	10	0	11	408	87	21	0	20	65,420	2,201	4,238	39,734
	261+00	50	238	47	21	0	12	430	87	29	0	21	65,850	2,238	4,265	40,041
	261+50	50	232	47	0	0	12	435	87	20	0	22	66,285	2,263	4,294	40,364
	262+00	50	238	47	0	0	12	435	87	0	0	22	66,720	2,263	4,323	40,712
	262+50	50	241	47	0	0	12	443	87	0	0	22	67,163	2,263	4,351	41,068
	263+00	50	254	47	0	0	13	458	87	0	0	23	67,621	2,263	4,381	41,439
	263+50	50	272	47	0	0	14	487	87	0	0	24	68,108	2,263	4,412	41,839
	263+89	39	258	47	0	0	13	380	67	0	0	19	68,488	2,263	4,437	42,152
	264+00	11	0	47	0	0	0	54	20	0	0	3	68,542	2,263	4,441	42,186
	264+33	33	0	47	0	0	0	0	58	0	0	0	68,542	2,263	4,441	42,128
							COLUMN TOTALS	68,542	24,152	1,810	3	3,416	68,542	2,263	4,441	42,128

RYAN ROAD (CTH H)

CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	AREA (SF) CUT	AREA (SF) SALVAGED/UNUSABLE PAVEMENT MATERIAL	AREA (SF) FILL	AREA (SF) EBS	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 3	INCREMENTAL VOL (CY) (UNADJUSTED) EBS	CUMULATIVE VOL (CY) CUT NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) EXPANDED EBS BACKFILL 1.30 NOTE 5	CUMULATIVE VOL (CY) MASS ORDINATE NOTE 8
0010	48+00 E		88	27	0	4	0	0	0	0	0	0	0	0
	48+25 E	25	82	27	0	4	79	25	0	4	79	0	5	54
	48+50 E	25	66	27	2	3	69	25	1	3	148	1	9	97
	48+75 E	25	46	27	4	2	52	25	3	3	200	5	13	120
	49+00 E	25	39	27	14	2	39	25	8	2	239	15	16	124
	49+25 E	25	61	27	13	3	46	25	12	2	285	30	18	130
	49+50 E	25	113	27	4	6	81	25	8	4	366	40	23	176
						COLUMN TOTALS	366	150	32	18	366	40	23	176

NOTES:

1. CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2. THIS DOES NOT SHOW UP IN CROSS SECTIONS
3. DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
5. WILL BE BACKFILLED WITH BREAKER RUN
8. EBS TO BE BACKFILLED WITH BREAKER RUN: [CUT - SALVAGED PAVT - EXPANDED FILL]

76TH STREET

CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	AREA (SF) CUT	AREA (SF) SALVAGED/UNUSABLE PAVEMENT MATERIAL	AREA (SF) FILL	AREA (SF) EBS	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 3	INCREMENTAL VOL (CY) (UNADJUSTED) EBS	CUMULATIVE VOL (CY) CUT NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) EXPANDED EBS BACKFILL 1.30 NOTE 5	CUMULATIVE VOL (CY) MASS ORDINATE NOTE 8
0010	40+19		45	20	0	2	0	0	0	0	0	0	0	0
	40+50	31	48	20	0	2	53	23	0	3	53	0	4	30
	40+76	26	55	20	0	3	49	19	0	2	102	0	7	60
	41+00	24	51	20	0	3	48	18	0	2	150	0	9	90
	41+50	50	53	20	0	3	97	37	0	5	247	0	16	150
	42+00	50	56	20	0	3	101	37	0	5	348	0	22	214
	42+44	44	58	20	0	3	92	32	0	5	440	0	29	274
	42+50	6	57	20	0	3	13	5	0	1	453	0	30	282
	43+00	50	49	20	13	2	98	37	12	5	551	15	36	328
	43+50	50	49	20	18	2	91	37	28	5	642	50	43	347
	44+00	50	49	20	15	2	91	37	30	5	733	88	49	364
	44+50	50	49	20	20	2	90	37	32	5	823	128	56	377
	45+00	50	54	20	10	3	95	37	27	5	918	161	62	401
	45+50	50	55	20	11	3	100	37	19	5	1,018	185	69	440
	46+00	50	84	20	16	4	129	37	25	6	1,147	216	77	501
	46+50	50	65	20	12	3	138	37	25	7	1,285	248	86	571
	46+68	18	66	20	0	3	44	13	4	2	1,329	253	88	597
	47+00	32	67	20	9	3	79	24	5	4	1,408	259	94	645
	47+50	50	57	20	5	3	115	37	13	6	1,523	275	101	707
	48+00	50	72	20	0	4	120	37	5	6	1,643	281	109	784
	48+06	6	74	20	0	4	15	4	0	1	1,658	281	111	795
	48+50	44	83	20	0	4	129	33	0	6	1,787	281	118	891
	49+00	50	88	20	0	4	158	37	0	8	1,945	281	129	1,012
	49+19	19	79	20	0	4	60	14	0	3	2,005	281	133	1,058
	49+50	31	76	20	3	4	88	23	2	4	2,093	284	138	1,120
	50+00	0	0	0	0	0	0	0	0	0	2,093	284	138	1,120
	50+50	0	24	20	39	1	0	0	0	0	2,093	284	138	1,120
	50+98	48	35	20	1	2	53	36	36	3	2,146	329	142	1,092
	51+00	2	44	20	0	2	2	1	0	0	2,148	329	142	1,093
	51+50	50	70	20	9	3	105	37	8	5	2,253	339	148	1,151
	52+00	50	80	20	9	4	139	37	16	7	2,392	359	157	1,233
	52+50	50	90	20	3	4	157	37	10	8	2,549	371	168	1,341
	53+00	50	84	20	1	4	161	37	3	8	2,710	375	178	1,461
	53+50	50	70	20	1	4	143	37	1	7	2,853	376	187	1,566
	54+00	50	61	20	0	3	121	37	1	6	2,974	378	195	1,649
	54+34	34	64	20	0	3	79	25	0	4	3,053	378	200	1,703
	54+50	16	54	20	0	3	35	12	0	2	3,088	378	203	1,726
	55+00	50	55	20	1	3	100	37	1	5	3,188	379	209	1,787
	55+06	6	55	20	1	3	13	5	0	1	3,201	379	211	1,795
	55+50	44	53	20	0	3	87	32	1	4	3,288	380	216	1,849
	56+00	50	52	20	0	3	97	37	0	5	3,385	380	222	1,909
	56+25	25	54	20	1	3	50	19	1	2	3,435	381	225	1,939
	56+50	25	51	20	0	3	48	18	1	2	3,483	383	228	1,968
	57+00	50	49	20	0	2	92	37	0	5	3,575	383	234	2,023
	57+50	50	51	20	0	3	93	37	0	5	3,668	383	241	2,079
	58+00	50	52	20	0	3	96	37	0	5	3,764	383	247	2,138
	58+09	9	57	20	0	3	17	6	0	1	3,781	383	248	2,149
	58+24	16	49	20	0	2	31	12	0	2	3,812	383	251	2,168
					COLUMN TOTALS		3,812	1,262	306	193	3,812	383	251	2,168

NOTES:

1. CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2. THIS DOES NOT SHOW UP IN CROSS SECTIONS
3. DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
5. WILL BE BACKFILLED WITH BREAKER RUN
8. EBS TO BE BACKFILLED WITH BREAKER RUN: [CUT - SALVAGED PAVT - EXPANDED FILL]

68TH STREET

CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	AREA (SF) CUT	AREA (SF) SALVAGED/UNUSABLE PAVEMENT MATERIAL	AREA (SF) FILL	AREA (SF) EBS	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 3	INCREMENTAL VOL (CY) (UNADJUSTED) EBS	CUMULATIVE VOL (CY) CUT NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) EXPANDED EBS BACKFILL 1.30 NOTE 5	CUMULATIVE VOL (CY) MASS ORDINATE NOTE 8
0010	50+50		98	27	0	5	0	0	0	0	0	0	0	0
	50+75	25	112	27	0	6	97	25	0	5	97	0	7	72
	51+00	25	100	27	0	5	98	25	0	5	195	0	13	145
	51+20	20	95	27	2	5	72	20	1	4	267	1	18	196
					COLUMN TOTALS		267	70	1	14	267	1	18	196

MULTIUSE PATH

CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	AREA (SF) CUT	AREA (SF) SALVAGED/UNUSABLE PAVEMENT MATERIAL	AREA (SF) FILL	AREA (SF) EBS	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 3	INCREMENTAL VOL (CY) (UNADJUSTED) EBS	CUMULATIVE VOL (CY) CUT NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) EXPANDED EBS BACKFILL 1.30 NOTE 5	CUMULATIVE VOL (CY) MASS ORDINATE NOTE 8
0010	402+00		9	0	0	0	0	0	0	0	0	0	0	0
	402+50	50	10	0	0	1	18	0	0	1	18	0	1	18
	403+00	50	9	0	0	0	18	0	0	1	36	0	3	36
	403+50	50	8	0	0	0	15	0	0	1	51	0	4	51
	404+00	50	7	0	0	0	13	0	0	1	64	0	5	64
	404+50	50	8	0	0	0	14	0	0	1	78	0	7	78
	404+72	22	10	0	0	1	7	0	0	0	85	0	7	85
	405+00	28	10	0	0	0	11	0	0	1	96	0	8	96
	405+50	50	8	0	0	0	16	0	0	1	112	0	9	112
	406+00	50	6	0	0	0	13	0	0	1	125	0	10	125
	406+50	50	7	0	0	0	12	0	0	1	137	0	12	137
	407+00	50	9	0	0	0	15	0	0	1	152	0	13	152
	407+13	13	9	0	0	0	4	0	0	0	156	0	13	156
	407+50	37	8	0	0	0	11	0	1	1	167	1	14	166
	408+00	50	8	0	0	0	15	0	1	1	182	3	16	180
	408+50	50	9	0	0	0	15	0	0	1	197	3	17	195
					COLUMN TOTALS		197	0	2	13	197	3	17	195

MULTIUSE PATH

CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	AREA (SF) CUT	AREA (SF) SALVAGED/UNUSABLE PAVEMENT MATERIAL	AREA (SF) FILL	AREA (SF) EBS	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 3	INCREMENTAL VOL (CY) (UNADJUSTED) EBS	CUMULATIVE VOL (CY) CUT NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) EXPANDED EBS BACKFILL 1.30 NOTE 5	CUMULATIVE VOL (CY) MASS ORDINATE NOTE 8
0010	508+00		0	0	0	0	0	0	0	0	0	0	0	0
	508+50	50	0	0	0	0	0	0	0	0	0	0	0	0
	509+00	50	0	0	0	0	0	0	0	0	0	0	0	0
	509+50	50	12	0	0	1	11	0	0	1	11	0	1	11
	510+00	50	11	0	0	1	21	0	0	1	32	0	3	32
	510+50	50	13	0	0	1	23	0	0	1	55	0	4	55
	510+74	24	7	0	1	0	9	0	0	0	64	0	4	64
	511+00	26	7	0	1	0	7	0	1	0	71	1	4	70
	511+50	50	7	0	1	0	13	0	2	1	84	4	5	80
	512+00	50	7	0	1	0	13	0	1	1	97	5	7	92
	512+50	50	0	0	5	0	6	0	5	0	103	11	7	92
	513+00	50	0	0	21	0	0	0	24	0	103	41	7	62
	513+50	50	0	0	21	0	0	0	38	0	103	89	7	14
	514+00	50	1	0	14	0	1	0	32	0	104	129	7	-25
	514+50	50	10	0	9	0	10	0	21	1	114	155	8	-41
	515+00	50	3	0	21	0	12	0	28	1	126	190	9	-64
					COLUMN TOTALS		126	0	152	7	126	190	9	-64

NOTES:

1. CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2. THIS DOES NOT SHOW UP IN CROSS SECTIONS
3. DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
5. WILL BE BACKFILLED WITH BREAKER RUN
8. EBS TO BE BACKFILLED WITH BREAKER RUN: [CUT - SALVAGED PAVT - EXPANDED FILL]

MULTIUSE PATH

CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	AREA (SF) CUT	AREA (SF) SALVAGED/UNUSABLE PAVEMENT MATERIAL	AREA (SF) FILL	AREA (SF) MARSH EXC	AREA (SF) ROCK EXC	AREA (SF) EBS	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 3	INCREMENTAL VOL (CY) (UNADJUSTED) MARSH EXC	INCREMENTAL VOL (CY) (UNADJUSTED) EBS	CUMULATIVE VOL (CY) CUT NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) EXPANDED EBS BACKFILL 1.30 NOTE 5	CUMULATIVE VOL (CY) MASS ORDINATE NOTE 8
0010	125+51		1	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0
	126+00	49	0	0	40	0	0	0	1	0	63	0	0	1	79	0	-78	
	126+50	50	0	0	47	0	0	0	0	0	80	0	0	1	179	0	-178	
	127+00	50	0	0	25	0	0	0	0	0	67	0	0	1	263	0	-262	
	127+50	50	6	0	0	0	0	0	6	0	24	0	0	7	293	0	-286	
	127+68	18	16	0	0	0	0	1	8	0	0	0	0	15	293	0	-278	
	128+00	32	1	0	11	0	0	0	10	0	6	0	0	25	300	0	-275	
	128+50	50	0	0	0	0	0	0	1	0	10	0	0	26	313	0	-287	
	129+00	50	13	0	0	0	0	1	12	0	0	0	1	38	313	1	-275	
	129+50	50	15	0	0	0	0	1	25	0	0	0	1	63	313	3	-250	
	129+69	19	13	0	0	0	0	1	10	0	0	0	0	73	313	3	-240	
	130+00	31	10	0	0	0	0	0	13	0	0	0	1	86	313	4	-227	
	130+50	50	11	0	0	0	0	1	19	0	0	0	1	105	313	5	-208	
	131+00	50	14	0	0	0	0	1	23	0	0	0	1	128	313	7	-185	
	131+37	37	12	0	0	0	0	1	17	0	0	0	1	145	313	8	-168	
	131+50	13	11	0	0	0	0	1	5	0	0	0	0	150	313	8	-163	
	132+00	50	0	0	27	0	0	0	10	0	25	0	0	160	344	8	-184	
	132+50	50	0	0	49	0	0	0	0	0	70	0	0	160	431	8	-271	
	133+00	50	2	0	41	0	0	0	2	0	84	0	0	162	536	8	-374	
	133+44	44	8	0	42	0	0	0	9	0	68	0	0	171	621	8	-450	
	133+50	6	8	0	41	0	0	0	2	0	10	0	0	173	634	8	-461	
	133+80	30	9	0	42	0	0	0	10	0	47	0	0	183	693	8	-510	
	134+00	20	7	0	41	0	0	0	6	0	31	0	0	189	731	8	-542	
	134+50	50	3	0	36	0	0	0	9	0	71	0	0	198	820	8	-622	
	135+00	50	2	0	32	0	0	0	4	0	63	0	0	202	899	8	-697	
	135+50	50	3	0	26	0	0	0	4	0	54	0	0	206	966	8	-760	
	135+72	22	3	0	23	0	0	0	3	0	21	0	0	209	993	8	-784	
	136+00	28	3	0	25	0	0	0	3	0	25	0	0	212	1,024	8	-812	
	136+50	50	2	0	35	0	0	0	4	0	55	0	0	216	1,093	8	-877	
	137+00	50	2	0	53	0	0	0	3	0	81	0	0	219	1,194	8	-975	
	137+50	50	2	0	75	0	0	0	3	0	119	0	0	222	1,343	8	-1,121	
	137+65	15	2	0	61	0	0	0	1	0	38	0	0	223	1,390	8	-1,167	
	138+00	35	2	0	52	0	0	0	2	0	73	0	0	225	1,481	8	-1,256	
	138+50	50	4	0	50	0	0	0	5	0	94	0	0	230	1,599	8	-1,369	
	138+90	40	9	0	0	0	0	0	10	0	37	0	0	240	1,645	8	-1,405	
	139+00	10	7	0	2	0	0	0	3	0	0	0	0	243	1,645	8	-1,402	
	139+50	50	9	0	41	0	0	0	15	0	39	0	1	258	1,694	9	-1,436	
	139+78	28	7	0	3	0	0	0	8	0	23	0	0	266	1,723	9	-1,457	
	140+00	22	8	0	26	0	0	0	6	0	12	0	0	272	1,738	9	-1,466	
	140+50	50	4	0	19	0	0	0	11	0	42	0	1	283	1,790	10	-1,507	
	141+00	50	1	0	8	0	0	0	5	0	26	0	0	288	1,823	10	-1,535	
	141+22	22	2	0	6	0	0	0	1	0	6	0	0	289	1,830	10	-1,541	
	141+50	28	9	0	0	0	0	0	5	0	3	0	0	294	1,834	10	-1,540	
	141+56	6	9	0	0	0	0	0	2	0	0	0	0	296	1,834	10	-1,538	
	142+00	44	0	0	4	0	0	0	7	0	3	0	0	303	1,838	10	-1,535	
	142+50	50	0	0	0	0	0	0	0	0	3	0	0	303	1,841	10	-1,538	
	142+72	22	0	0	0	0	0	0	0	0	0	0	0	303	1,841	10	-1,538	
	143+00	28	0	0	0	0	0	0	0	0	0	0	0	303	1,841	10	-1,538	
	143+50	50	12	0	0	0	0	1	11	0	0	0	1	314	1,841	12	-1,527	
	144+00	50	0	0	10	0	0	0	11	0	9	0	1	325	1,853	13	-1,528	
	144+50	50	0	0	26	0	0	0	0	0	33	0	0	325	1,894	13	-1,569	
	145+00	50	0	0	68	0	0	0	0	0	87	0	0	325	2,003	13	-1,678	
	145+50	50	0	0	33	0	0	0	0	0	93	0	0	325	2,119	13	-1,794	
	146+00	50	0	0	11	0	0	0	0	0	40	0	0	325	2,169	13	-1,844	
	146+43	43	13	0	0	0	0	1	10	0	9	0	1	335	2,180	14	-1,845	
	146+50	7	13	0	0	0	0	1	4	0	0	0	0	339	2,180	14	-1,841	
	147+00	50	0	0	20	0	0	0	12	0	18	0	1	351	2,203	16	-1,852	
	147+50	50	0	0	12	0	0	0	0	0	29	0	0	351	2,239	16	-1,888	
	148+00	50	0	0	10	0	0	0	0	0	20	0	0	351	2,264	16	-1,913	
	148+50	50	0	0	22	0	0	0	0	0	29	0	0	351	2,300	16	-1,949	
	149+00	50	0	0	47	0	0	0	0	0	64	0	0	351	2,380	16	-2,029	
	149+50	50	0	0	60	0	0	0	0	0	99	0	0	351	2,504	16	-2,153	
	149+64	14	0	0	50	0	0	0	0	0	29	0	0	351	2,540	16	-2,189	
	150+00	36	5	0	32	0	0	0	4	0	55	0	0	355	2,609	16	-2,254	
	150+24	24	12	0	0	0	0	1	8	0	14	0	0	363	2,626	16	-2,263	

MULTIUSE PATH

CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	AREA (SF) CUT	AREA (SF) SALVAGED/UNUSABLE PAVEMENT MATERIAL	AREA (SF) FILL	AREA (SF) MARSH EXC	AREA (SF) ROCK EXC	AREA (SF) EBS	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 3	INCREMENTAL VOL (CY) (UNADJUSTED) MARSH EXC	INCREMENTAL VOL (CY) (UNADJUSTED) EBS	CUMULATIVE VOL (CY) CUT NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) EXPANDED EBS BACKFILL 1.30 NOTE 5	CUMULATIVE VOL (CY) MASS ORDINATE NOTE 8
0010	150+50	26	6	0	26	0	0	0	9	0	12	0	0	372	2,641	16	-2,269
	151+00	50	4	0	18	0	0	0	10	0	41	0	0	382	2,693	16	-2,311
	151+50	50	7	0	2	0	0	0	10	0	19	0	0	392	2,716	16	-2,324
	152+00	50	10	0	0	0	0	1	16	0	2	0	1	408	2,719	17	-2,311
	152+50	50	11	0	0	0	0	1	19	0	1	0	1	427	2,720	18	-2,293
	152+91	41	14	0	0	0	0	1	19	0	0	0	1	446	2,720	20	-2,274
	153+00	9	12	0	0	0	0	1	4	0	0	0	0	450	2,720	20	-2,270
	153+50	50	12	0	0	0	0	1	22	0	0	0	1	472	2,720	21	-2,248
	153+76	26	5	0	0	0	0	0	8	0	0	0	0	480	2,720	21	-2,240
	154+00	24	6	0	1	0	0	0	5	0	0	0	0	485	2,720	21	-2,235
	154+50	50	22	0	0	0	0	1	27	0	1	0	1	512	2,721	22	-2,209
	155+00	50	11	0	3	0	0	1	31	0	3	0	2	543	2,725	25	-2,182
	155+31	31	5	0	8	0	0	0	9	0	6	0	0	552	2,733	25	-2,181
	155+50	19	14	0	6	0	0	1	7	0	5	0	0	559	2,739	25	-2,180
	156+00	50	17	0	11	0	0	1	29	0	15	0	1	588	2,758	26	-2,170
	156+50	50	33	0	0	0	0	2	47	0	10	0	2	635	2,770	29	-2,135
	157+00	50	28	0	9	0	0	1	57	0	8	0	3	692	2,780	33	-2,088
	157+50	50	16	0	9	0	0	1	41	0	17	0	2	733	2,801	35	-2,068
	157+64	14	18	0	0	0	0	1	9	0	2	0	0	742	2,804	35	-2,062
	158+00	36	2	0	41	0	0	0	13	0	27	0	1	755	2,838	36	-2,083
	158+50	50	18	0	37	0	0	1	19	0	72	0	1	774	2,928	38	-2,154
	158+89	39	9	0	0	0	0	0	20	0	27	0	1	794	2,961	39	-2,167
	159+00	11	3	0	6	0	0	0	2	0	1	0	0	796	2,963	39	-2,167
	159+50	50	13	0	40	0	0	1	15	0	43	0	1	811	3,016	40	-2,205
	160+00	50	14	0	29	0	0	1	25	0	64	0	1	836	3,096	42	-2,260
	160+24	24	25	0	0	0	0	1	17	0	13	0	1	853	3,113	43	-2,260
	160+50	26	8	0	34	0	0	0	16	0	17	0	1	869	3,134	44	-2,265
	161+00	50	9	0	52	0	0	0	16	0	80	0	1	885	3,234	46	-2,349
	161+50	50	2	0	70	0	0	0	10	0	113	0	0	895	3,375	46	-2,480
	162+00	50	1	0	93	0	0	0	3	0	151	0	0	898	3,564	46	-2,666
	162+10	10	1	0	96	0	0	0	0	0	35	0	0	898	3,608	46	-2,710
	162+50	40	3	0	93	0	0	0	3	0	141	0	0	901	3,784	46	-2,883
	163+00	50	2	0	36	0	0	0	5	0	119	0	0	906	3,933	46	-3,027
	163+50	50	0	0	28	0	0	0	2	0	59	0	0	908	4,006	46	-3,098
	164+00	50	0	0	17	0	0	0	0	0	41	0	0	908	4,058	46	-3,150
	164+50	50	0	0	8	0	0	0	0	0	23	0	0	908	4,086	46	-3,178
	165+00	50	0	0	13	0	0	0	0	0	20	0	0	908	4,111	46	-3,203
	165+50	50	0	0	4	0	0	0	0	0	15	0	0	908	4,130	46	-3,222
	166+00	50	0	0	4	0	0	0	0	0	7	0	0	908	4,139	46	-3,231
	166+50	50	0	0	6	0	0	0	0	0	9	0	0	908	4,150	46	-3,242
	167+00	50	8	0	0	0	0	0	7	0	6	0	0	915	4,158	46	-3,243
	167+36	36	20	0	0	0	0	1	19	0	0	0	1	934	4,158	47	-3,224
	167+50	14	19	0	0	0	0	1	10	0	0	0	1	944	4,158	48	-3,214
	168+00	50	3	0	7	0	0	0	20	0	6	0	1	964	4,165	49	-3,201
	168+50	50	11	0	1	0	0	1	13	0	7	0	1	977	4,174	51	-3,197
	169+00	50	3	0	8	0	0	0	13	0	8	0	1	990	4,184	52	-3,194
	169+50	50	3	0	21	0	0	0	5	0	27	0	0	995	4,218	52	-3,223
	170+00	50	8	0	30	0	0	0	11	0	48	0	1	1,006	4,278	53	-3,272
	170+50	50	4	0	30	0	0	0	11	0	56	0	1	1,017	4,348	55	-3,331
	171+00	50	4	0	29	0	0	0	7	0	55	0	0	1,024	4,416	55	-3,392
	171+50	50	2	0	31	0	0	0	6	0	55	0	0	1,030	4,485	55	-3,455
	172+00	50	3	0	27	0	0	0	5	0	53	0	0	1,035	4,551	55	-3,516
	172+50	50	6	0	26	0	0	0	8	0	49	0	0	1,043	4,613	55	-3,570
	173+00	50	5	0	21	0	0	0	11	0	43	0	1	1,054	4,666	56	-3,612
	173+50	50	7	0	11	0	0	0	11	0	29	0	1	1,065	4,703	57	-3,638
	174+00	50	9	0	2	0	0	0	15	0	12	0	1	1,080	4,718	59	-3,638
	174+50	50	5	0	2	0	0	0	13	0	4	0	1	1,093	4,723	60	-3,630
	175+00	50	5	0	2	0	0	0	9	0	4	0	0	1,102	4,728	60	-3,626
	175+50	50	7	0	1	0	0	0	12	0	3	0	1	1,114	4,731	61	-3,617
	176+00	50	12	0	0	0	0	1	18	0	1	0	1	1,132	4,733	62	-3,601
	176+50	50	13	0	0	0	0	1	24	0	0	0	1	1,156	4,733	64	-3,577
	177+00	50	37	0	0	0	0	2	47	0	0	0	2	1,203	4,733	66	-3,530
	177+23	23	40	0	0	0	0	2	33	0	0	0	2	1,236	4,733	69	-3,497
	177+50	27	42	0	0	0	0	2	42	0	0	0	2	1,278	4,733	72	-3,455
	178+00	50	13	0	12	0	0	1	50	0	11	0	3	1,328	4,746	75	-3,418

MULTIUSE PATH

CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	AREA (SF) CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	MARSH EXC	EBS	CUMULATIVE VOL (CY) CUT NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.30 NOTE 5	MASS ORDINATE NOTE 8
0010	178+50	50	1	0	28	0	0	0	12	0	38	0	1	1,340	4,794	77	-3,454
	178+58	8	1	0	28	0	0	0	0	0	8	0	0	1,340	4,804	77	-3,464
	178+71	13	0	0	0	0	0	0	0	0	7	0	0	1,340	4,813	77	-3,473
	178+75	4	2	0	29	0	0	0	0	0	2	0	0	1,340	4,815	77	-3,475
	178+93	17	2	0	31	0	0	0	1	0	20	0	0	1,341	4,840	77	-3,499
	178+96	3	2	0	42	0	0	0	0	0	5	0	0	1,341	4,846	77	-3,505
	179+00	4	2	0	47	0	0	0	0	0	6	0	0	1,341	4,854	77	-3,513
	179+18	18	2	0	52	0	0	0	1	0	33	0	0	1,342	4,895	77	-3,553
	179+21	3	2	0	62	0	0	0	0	0	7	0	0	1,342	4,904	77	-3,562
	179+43	21	2	0	63	0	0	0	2	0	50	0	0	1,344	4,966	77	-3,622
	179+50	7	2	0	71	0	0	0	1	0	18	0	0	1,345	4,989	77	-3,644
	179+52	2	2	0	74	0	0	0	0	0	5	0	0	1,345	4,995	77	-3,650
	179+90	38	2	0	74	0	0	0	3	0	105	0	0	1,348	5,126	77	-3,778
	180+00	10	3	0	61	0	0	0	1	0	25	0	0	1,349	5,158	77	-3,809
	180+50	50	3	0	52	0	0	0	5	0	105	0	0	1,354	5,289	77	-3,935
	180+82	32	4	0	45	0	0	0	4	0	57	0	0	1,358	5,360	77	-4,002
	181+00	18	65	0	1	0	0	3	23	0	16	0	1	1,381	5,380	78	-3,999
	181+50	50	4	0	28	0	0	0	64	0	27	0	3	1,445	5,414	82	-3,969
	182+00	50	3	0	52	0	0	0	7	0	75	0	0	1,452	5,508	82	-4,056
	182+50	50	3	0	48	0	0	0	6	0	92	0	0	1,458	5,623	82	-4,165
	183+00	50	4	0	42	0	0	0	6	0	83	0	0	1,464	5,726	82	-4,262
	183+50	50	4	0	59	0	0	0	7	0	94	0	0	1,471	5,844	82	-4,373
	184+00	50	3	0	61	0	0	0	6	0	111	0	0	1,477	5,983	82	-4,506
	184+50	50	3	0	68	0	0	0	5	0	120	0	0	1,482	6,133	82	-4,651
	185+00	50	4	0	66		0	0	6	0	124	0	0	1,488	6,288	82	-4,800
	185+50	50	3	0	85	18	0	0	6	0	140	33	0	1,494	6,463	82	-4,969
	186+00	50	3	0	106	17	0	0	6	0	177	32	0	1,500	6,684	82	-5,184
	186+50	50	3	0	119	0	0	0	5	0	208	16	0	1,505	6,944	82	-5,439
	187+00	50	3	0	122	0	0	0	5	0	223	0	0	1,510	7,223	82	-5,713
	187+50	50	4	0	135	0	0	0	6	0	238	0	0	1,516	7,520	82	-6,004
	187+59	9	3	0	133	0	0	0	1	0	46	0	0	1,517	7,578	82	-6,061
	188+00	41	2	0	138	0	0	0	4	0	203	0	0	1,521	7,831	82	-6,310
	188+50	50	3	0	91	0	0	0	5	0	211	0	0	1,526	8,095	82	-6,569
	189+00	50	2	0	55	0	0	0	5	0	135	0	0	1,531	8,264	82	-6,733
	189+50	50	2	0	44	0	0	0	4	0	92	0	0	1,535	8,379	82	-6,844
	189+76	26	3	0	11	0	0	0	3	0	26	0	0	1,538	8,411	82	-6,873
	190+00	24	13	0	7	0	0	1	7	0	8	0	0	1,545	8,421	82	-6,876
	190+01	1	14	0	6	0	0	1	1	0	0	0	0	1,546	8,421	82	-6,875
	190+24	23	15	0	0	0	0	1	12	0	2	0	1	1,558	8,424	83	-6,866
	190+27	3	13	0	0	0	0	1	1	0	0	0	0	1,559	8,424	83	-6,865
	190+49	22	9	0	0	0	0	0	9	0	0	0	0	1,568	8,424	83	-6,856
	190+50	1	8	0	0	0	0	0	0	0	0	0	0	1,568	8,424	83	-6,856
	190+73	23	16	0	1	0	0	1	11	0	1	0	1	1,579	8,425	85	-6,846
	191+00	27	19	0	1	0	0	1	17	0	1	0	1	1,596	8,426	86	-6,830
	191+50	50	7	0	39	0	0	0	24	0	37	0	1	1,620	8,473	87	-6,853
	192+00	50	7	0	25	0	0	0	13	0	59	0	1	1,633	8,546	88	-6,913
	192+50	50	16	0	53	0	0	1	21	0	72	0	1	1,654	8,636	90	-6,982
	193+00	50	8	0	55	0	0	0	22	0	100	0	1	1,676	8,761	91	-7,085
	193+50	50	3	0	53	0	0	0	10	0	100	0	0	1,686	8,886	91	-7,200
	194+00	50	3	0	45	0	0	0	5	0	90	0	0	1,691	8,999	91	-7,308
	194+50	50	6	0	19	0	0	0	8	0	59	0	0	1,699	9,073	91	-7,374
	195+00	50	6	0	2	0	0	0	11	0	20	0	1	1,710	9,098	92	-7,388
	195+50	50	7	0	4	0	0	0	12	0	6	0	1	1,722	9,105	94	-7,383
	196+00	50	8	0	4	0	0	0	14	0	7	0	1	1,736	9,114	95	-7,378
	196+50	50	11	0	3	0	0	1	18	0	6	0	1	1,754	9,121	96	-7,367
	196+89	39	6	0	0	0	0	0	12	0	2	0	1	1,766	9,124	98	-7,358
	197+00	11	1	0	5	0	0	0	1	0	1	0	0	1,767	9,125	98	-7,358
	197+50	50	7	0	6	0	0	0	7	0	10	0	0	1,774	9,138	98	-7,364
	198+00	50	7	0	8	0	0	0	13	0	13	0	1	1,787	9,154	99	-7,367
	198+50	50	5	0	12	0	0	0	12	0	18	0	1	1,799	9,176	100	-7,377
	198+98	48	4	0	10	0	0	0	8	0	19	0	0	1,807	9,200	100	-7,393
	199+00	2	4	0	10	0	0	0	0	0	1	0	0	1,807	9,201	100	-7,394
	199+36	36	3	0	5	0	0	0	5	0	10	0	0	1,812	9,214	100	-7,402
	199+50	14	4	0	4	0	0	0	2	0	2	0	0	1,814	9,216	100	-7,402
	200+00	50	3	0	5	0	0	0	6	0	8	0	0	1,820	9,226	100	-7,406

MULTIUSE PATH

CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	AREA (SF) CUT	AREA (SF) SALVAGED/UNUSABLE PAVEMENT MATERIAL	AREA (SF) FILL	AREA (SF) MARSH EXC	AREA (SF) ROCK EXC	AREA (SF) EBS	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 3	INCREMENTAL VOL (CY) (UNADJUSTED) MARSH EXC	INCREMENTAL VOL (CY) (UNADJUSTED) EBS	CUMULATIVE VOL (CY) CUT NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) EXPANDED EBS BACKFILL 1.30 NOTE 5	CUMULATIVE VOL (CY) MASS ORDINATE NOTE 8
0010	200+12	12	2	0	6	0	0	0	1	0	2	0	0	1,821	9,229	100	-7,408
	200+42	29	16	0	0	0	0	1	10	0	3	0	0	1,831	9,233	100	-7,402
	200+50	8	18	0	0	0	0	1	5	0	0	0	0	1,836	9,233	100	-7,397
	200+89	39	9	0	11	0	0	0	19	0	8	0	1	1,855	9,243	101	-7,388
	201+00	11	6	0	14	0	0	0	3	0	5	0	0	1,858	9,249	101	-7,391
	201+47	47	2	0	34	0	0	0	6	0	41	0	0	1,864	9,300	101	-7,436
	201+50	3	2	0	31	0	0	0	0	0	4	0	0	1,864	9,305	101	-7,441
	201+65	15	3	0	17	0	0	0	1	0	13	0	0	1,865	9,321	101	-7,456
	202+00	35	5	0	3	0	0	0	5	0	13	0	0	1,870	9,338	101	-7,468
	202+50	50	9	0	2	0	0	0	13	0	5	0	1	1,883	9,344	103	-7,461
	203+00	50	15	0	0	0	0	1	23	0	2	0	1	1,906	9,346	104	-7,440
	203+50	50	15	0	0	0	0	1	28	0	0	0	1	1,934	9,346	105	-7,412
	203+85	35	13	0	3	0	0	1	19	0	2	0	1	1,953	9,349	107	-7,396
	204+00	15	12	0	3	0	0	1	7	0	2	0	0	1,960	9,351	107	-7,391
	204+50	50	11	0	1	0	0	1	22	0	3	0	1	1,982	9,355	108	-7,373
	205+00	50	6	0	1	0	0	0	16	0	2	0	1	1,998	9,358	109	-7,360
	205+50	50	4	0	2	0	0	0	9	0	3	0	0	2,007	9,361	109	-7,354
	206+00	50	7	0	0	0	0	0	10	0	2	0	1	2,017	9,364	111	-7,347
	206+50	50	10	0	0	0	0	0	16	0	1	0	1	2,033	9,365	112	-7,332
	207+00	50	7	0	1	0	0	0	16	0	1	0	1	2,049	9,366	113	-7,317
	207+42	42	5	0	14	0	0	0	10	0	12	0	1	2,059	9,381	114	-7,322
	207+50	8	5	0	14	0	0	0	2	0	4	0	0	2,061	9,386	114	-7,325
	208+00	50	4	0	16	0	0	0	9	0	28	0	0	2,070	9,421	114	-7,351
	208+50	50	3	0	13	0	0	0	7	0	27	0	0	2,077	9,455	114	-7,378
	209+00	50	3	0	14	0	0	0	5	0	25	0	0	2,082	9,486	114	-7,404
	209+50	50	1	0	15	0	0	0	4	0	27	0	0	2,086	9,520	114	-7,434
	210+00	50	6	0	4	0	0	0	7	0	18	0	0	2,093	9,543	114	-7,450
	210+50	50	2	0	11	0	0	0	7	0	14	0	0	2,100	9,560	114	-7,460
	210+64	14	8	0	12	0	0	0	2	0	6	0	0	2,102	9,568	114	-7,466
	211+00	36	0	0	17	0	0	0	5	0	19	0	0	2,107	9,591	114	-7,484
	211+50	50	0	0	29	0	0	0	0	0	42	0	0	2,107	9,644	114	-7,537
	212+00	50	0	0	35	0	0	0	0	0	59	0	0	2,107	9,718	114	-7,611
	212+50	50	0	0	34	0	0	0	0	0	64	0	0	2,107	9,798	114	-7,691
	213+00	50	0	0	33	0	0	0	0	0	62	0	0	2,107	9,875	114	-7,768
	213+50	50	0	0	30	0	0	0	0	0	59	0	0	2,107	9,949	114	-7,842
	214+00	50	0	0	26	0	0	0	0	0	52	0	0	2,107	10,014	114	-7,907
	214+50	50	0	0	25	0	0	0	0	0	47	0	0	2,107	10,073	114	-7,966
	214+60	10	0	0	25	0	0	0	0	0	9	0	0	2,107	10,084	114	-7,977
	215+00	40	0	0	25	0	0	0	0	0	37	0	0	2,107	10,130	114	-8,023
	215+50	50	0	0	21	0	0	0	0	0	42	0	0	2,107	10,183	114	-8,076
	215+58	8	0	0	20	0	0	0	0	0	6	0	0	2,107	10,190	114	-8,083
	216+00	42	0	0	17	0	0	0	0	0	29	0	0	2,107	10,226	114	-8,119
	216+50	50	0	0	18	0	0	0	0	0	33	0	0	2,107	10,268	114	-8,161
	217+00	50	0	0	20	0	0	0	0	0	35	0	0	2,107	10,311	114	-8,204
	217+50	50	1	0	15	0	0	0	1	0	32	0	0	2,108	10,351	114	-8,243
	218+00	50	0	0	19	0	0	0	1	0	31	0	0	2,109	10,390	114	-8,281
	218+50	50	0	0	16	0	0	0	0	0	32	0	0	2,109	10,430	114	-8,321
	219+00	50	2	0	8	0	0	0	2	0	22	0	0	2,111	10,458	114	-8,347
	219+50	50	3	0	5	0	0	0	4	0	12	0	0	2,115	10,473	114	-8,358
	220+00	50	1	0	7	0	0	0	3	0	12	0	0	2,118	10,488	114	-8,370
	220+50	50	3	0	7	0	0	0	4	0	14	0	0	2,122	10,505	114	-8,383
	221+00	50	3	0	12	0	0	0	6	0	18	0	0	2,128	10,528	114	-8,400
	221+26	26	3	0	11	0	0	0	3	0	11	0	0	2,131	10,541	114	-8,410
	221+50	24	8	0	8	0	0	0	5	0	8	0	0	2,136	10,551	114	-8,415
	222+00	50	17	0	5	0	0	1	23	0	11	0	1	2,159	10,565	116	-8,406
	222+50	50	36	0	6	0	0	2	49	0	9	0	2	2,208	10,576	118	-8,368
	222+55	5	33	0	6	0	0	2	7	0	1	0	0	2,215	10,578	118	-8,363
	223+00	45	45	0	21	0	0	2	65	0	22	0	3	2,280	10,605	122	-8,325
	223+50	50	0	0	0	0	0	0	42	0	19	0	2	2,322	10,629	125	-8,307
	224+00	50	0	0	0	0	0	0	0	0	0	0	0	2,322	10,629	125	-8,307
	224+50	50	0	0	0	0	0	0	0	0	0	0	0	2,322	10,629	125	-8,307
	225+00	50	1	0	3	0	0	0	1	0	3	0	0	2,323	10,633	125	-8,310
	225+50	50	14	0	0	0	0	1	14	0	3	0	1	2,337	10,636	126	-8,299
	226+00	50	39	0	0	0	0	2	50	0	0	0	2	2,387	10,636	129	-8,249
	226+18	18	49	0	0	0	0	2	29	0	0	0	1	2,416	10,636	130	-8,220

MULTIUSE PATH

CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	AREA (SF)						INCREMENTAL VOL (CY) (UNADJUSTED)						CUMULATIVE VOL (CY)			
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	MARSH EXC	EBS		CUT NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.30 NOTE 5	MASS ORDINATE NOTE 8
0010	226+50	32	68	0	0	0	0	3	70	0	0	0	4		2,486	10,636	135	-8,150
	227+00	50	50	0	0	0	0	2	109	0	0	0	5		2,595	10,636	142	-8,041
	227+50	50	29	0	0	0	0	1	73	0	0	0	4		2,668	10,636	147	-7,968
	227+64	14	21	0	0	0	0	1	13	0	0	0	1		2,681	10,636	148	-7,955
	228+00	36	9	0	0	0	0	0	20	0	0	0	1		2,701	10,636	150	-7,935
	228+36	36	1	0	3	0	0	0	6	0	2	0	0		2,707	10,639	150	-7,932
	228+50	14	0	0	6	0	0	0	0	0	2	0	0		2,707	10,641	150	-7,934
	229+00	50	0	0	13	0	0	0	0	0	18	0	0		2,707	10,664	150	-7,957
	229+50	50	0	0	13	0	0	0	0	0	24	0	0		2,707	10,694	150	-7,987
	230+00	50	0	0	14	0	0	0	0	0	25	0	0		2,707	10,725	150	-8,018
	230+50	50	1	0	2	0	0	0	1	0	15	0	0		2,708	10,744	150	-8,036
	231+00	50	0	0	14	0	0	0	1	0	14	0	0		2,709	10,761	150	-8,052
	231+50	50	0	0	19	0	0	0	0	0	30	0	0		2,709	10,799	150	-8,090
	232+00	50	0	0	17	0	0	0	0	0	33	0	0		2,709	10,840	150	-8,131
	232+50	50	3	0	11	0	0	0	3	0	26	0	0		2,712	10,873	150	-8,161
	233+00	50	12	0	8	0	0	1	14	0	17	0	1		2,726	10,894	151	-8,168
	233+50	50	17	0	5	0	0	1	27	0	12	0	1		2,753	10,909	152	-8,156
	234+00	50	27	0	7	0	0	1	40	0	11	0	2		2,793	10,923	155	-8,130
	234+50	50	17	0	7	0	0	1	40	0	13	0	2		2,833	10,939	157	-8,106
	235+00	50	13	0	15	0	0	1	28	0	21	0	1		2,861	10,965	159	-8,104
	235+50	50	12	0	12	0	0	1	23	0	25	0	1		2,884	10,996	160	-8,112
	235+79	29	37	0	0	0	0	2	26	0	7	0	1		2,910	11,005	161	-8,095
	236+00	21	13	0	13	0	0	1	19	0	5	0	1		2,929	11,011	163	-8,082
	236+47	47	12	0	11	0	0	1	21	0	21	0	1		2,950	11,038	164	-8,088
	236+50	3	12	0	11	0	0	1	2	0	1	0	0		2,952	11,039	164	-8,087
	237+00	50	6	0	15	0	0	0	16	0	24	0	1		2,968	11,069	165	-8,101
	237+21	21	3	0	17	0	0	0	3	0	12	0	0		2,971	11,084	165	-8,113
	237+50	29	7	0	17	0	0	0	5	0	18	0	0		2,976	11,106	165	-8,130
	238+00	50	14	0	27	0	0	1	19	0	41	0	1		2,995	11,158	166	-8,163
	238+50	50	19	0	37	0	0	1	30	0	60	0	2		3,025	11,233	169	-8,208
	239+00	50	5	0	60	0	0	0	22	0	90	0	1		3,047	11,345	170	-8,298
	239+25	25	3	0	30	0	0	0	4	0	42	0	0		3,051	11,398	170	-8,347
	239+50	25	1	0	32	0	0	0	2	0	29	0	0		3,053	11,434	170	-8,381
	240+00	50	0	0	17	0	0	0	0	0	46	0	0		3,053	11,491	170	-8,438
	240+50	50	19	0	0	0	0	1	17	0	16	0	1		3,070	11,511	172	-8,441
	241+00	50	26	0	0	0	0	1	42	0	0	0	2		3,112	11,511	174	-8,399
	241+16	16	30	0	0	0	0	2	17	0	0	0	1		3,129	11,511	176	-8,382
	241+50	34	34	0	1	0	0	2	40	0	1	0	2		3,169	11,513	178	-8,344
	242+00	50	33	0	2	0	0	2	62	0	2	0	3		3,231	11,515	182	-8,284
	242+50	50	41	0	2	0	0	2	69	0	3	0	3		3,300	11,519	186	-8,219
	242+64	14	49	0	1	0	0	2	24	0	1	0	1		3,324	11,520	187	-8,196
	243+00	36	58	0	2	0	0	3	71	0	2	0	4		3,395	11,523	192	-8,128
	243+50	50	49	0	2	0	0	2	99	0	4	0	5		3,494	11,528	199	-8,034
	244+00	50	22	0	9	0	0	1	66	0	10	0	3		3,560	11,540	203	-7,980
	244+30	30	18	0	11	0	0	1	22	0	11	0	1		3,582	11,554	204	-7,972
	244+50	20	14	0	15	0	0	1	12	0	10	0	1		3,594	11,566	205	-7,972
	245+00	50	17	0	12	0	0	1	29	0	25	0	1		3,623	11,598	207	-7,975
	245+50	50	24	0	8	0	0	1	37	0	19	0	2		3,660	11,621	209	-7,961
	245+93	43	24	0	7	0	0	1	38	0	12	0	2		3,698	11,636	212	-7,938
	246+00	7	24	0	7	0	0	1	6	0	2	0	0		3,704	11,639	212	-7,935
	246+50	50	27	0	9	0	0	1	48	0	15	0	2		3,752	11,658	215	-7,906
	246+90	40	27	0	9	0	0	1	40	0	13	0	2		3,792	11,674	217	-7,882
	247+00	10	27	0	8	0	0	1	10	0	3	0	1		3,802	11,678	218	-7,876
	247+50	50	19	0	6	0	0	1	43	0	13	0	2		3,845	11,694	221	-7,849
	248+00	50	29	0	6	0	0	1	45	0	11	0	2		3,890	11,708	224	-7,818
	248+50	50	26	0	3	0	0	1	51	0	9	0	3		3,941	11,719	228	-7,778
	249+00	50	9	0	5	0	0	0	33	0	7	0	2		3,974	11,728	230	-7,754
	249+37	37	14	0	5	0	0	1	16	0	6	0	1		3,990	11,735	231	-7,745
	249+50	13	13	0	5	0	0	1	6	0	2	0	0		3,996	11,738	231	-7,742
	250+00	50	0	0	0	0	0	0	12	0	4	0	1		4,008	11,743	233	-7,735
	250+19	19	0	0	0	0	0	0	0	0	0	0	0		4,008	11,743	233	-7,735
	250+50	31	23	0	25	0	0	1	13	0	14	0	1		4,021	11,760	234	-7,739
	251+00	50	11	0	76	0	0	1	31	0	93	0	2		4,052	11,876	237	-7,824
	251+50	50	6	0	48	0	0	0	16	0	115	0	1		4,068	12,020	238	-7,952
	252+00	50	3	0	36	0	0	0	8	0	78	0	0		4,076	12,118	238	-8,042

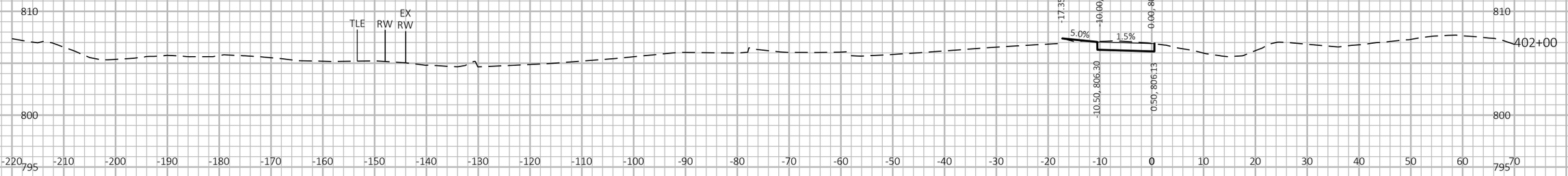
MULTIUSE PATH

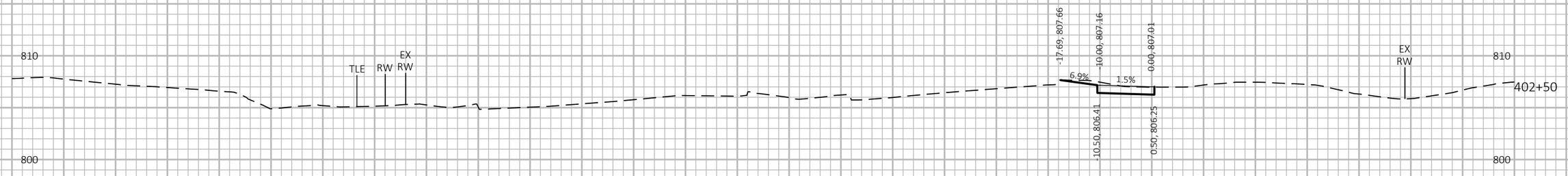
CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	AREA (SF) CUT	AREA (SF) SALVAGED/UNUSABLE PAVEMENT MATERIAL	AREA (SF) FILL	AREA (SF) MARSH EXC	AREA (SF) ROCK EXC	AREA (SF) EBS	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 3	INCREMENTAL VOL (CY) (UNADJUSTED) MARSH EXC	INCREMENTAL VOL (CY) (UNADJUSTED) EBS	CUMULATIVE VOL (CY) CUT NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) EXPANDED EBS BACKFILL 1.30 NOTE 5	CUMULATIVE VOL (CY) MASS ORDINATE NOTE 8
0010	252+50	50	5	0	34	0	0	0	7	0	64	0	0	4,083	12,198	238	-8,115
	253+00	50	6	0	31	0	0	0	10	0	60	0	0	4,093	12,273	238	-8,180
	253+50	50	7	0	28	0	0	0	12	0	55	0	1	4,105	12,341	239	-8,236
	254+00	50	2	0	30	0	0	0	8	0	54	0	0	4,113	12,409	239	-8,296
	254+50	50	3	0	30	0	0	0	5	0	56	0	0	4,118	12,479	239	-8,361
	255+00	50	1	0	31	0	0	0	4	0	56	0	0	4,122	12,549	239	-8,427
	255+50	50	3	0	26	0	0	0	4	0	52	0	0	4,126	12,614	239	-8,488
	256+00	50	1	0	27	0	0	0	4	0	49	0	0	4,130	12,675	239	-8,545
	256+50	50	2	0	29	0	0	0	3	0	52	0	0	4,133	12,740	239	-8,607
	257+00	50	0	0	28	0	0	0	2	0	53	0	0	4,135	12,806	239	-8,671
	257+50	50	3	0	23	0	0	0	3	0	47	0	0	4,138	12,865	239	-8,727
	258+00	50	0	0	18	0	0	0	3	0	38	0	0	4,141	12,913	239	-8,772
	258+50	50	3	0	18	0	0	0	3	0	34	0	0	4,144	12,955	239	-8,811
	259+00	50	17	0	11	0	0	1	18	0	27	0	1	4,162	12,989	241	-8,827
	259+50	50	12	0	35	0	0	1	26	0	43	0	1	4,188	13,043	242	-8,855
	260+00	50	5	0	39	0	0	0	16	0	68	0	1	4,204	13,128	243	-8,924
	260+50	50	2	0	42	0	0	0	7	0	75	0	0	4,211	13,221	243	-9,010
	261+00	50	0	0	54	0	0	0	2	0	89	0	0	4,213	13,333	243	-9,120
	261+50	50	0	0	60	0	0	0	0	0	106	0	0	4,213	13,465	243	-9,252
	262+00	50	2	0	61	0	0	0	2	0	112	0	0	4,215	13,605	243	-9,390
	262+50	50	2	0	78	0	0	0	3	0	128	0	0	4,218	13,765	243	-9,547
	263+00	50	3	0	76	0	0	0	4	0	142	0	0	4,222	13,943	243	-9,721
	263+50	50	5	0	46	0	0	0	7	0	113	0	0	4,229	14,084	243	-9,855
	263+89	39	7	0	21	0	0	0	9	0	48	0	0	4,238	14,144	243	-9,906
	264+00	11	6	0	18	0	0	0	3	0	8	0	0	4,241	14,154	243	-9,913
	264+33	33	10	0	0	0	0	0	10	0	11	0	1	4,251	14,168	244	-9,917
								COLUMN TOTALS	4,251	0	11,334	81	188	4,251	14,168	244	-9,917

NOTES:

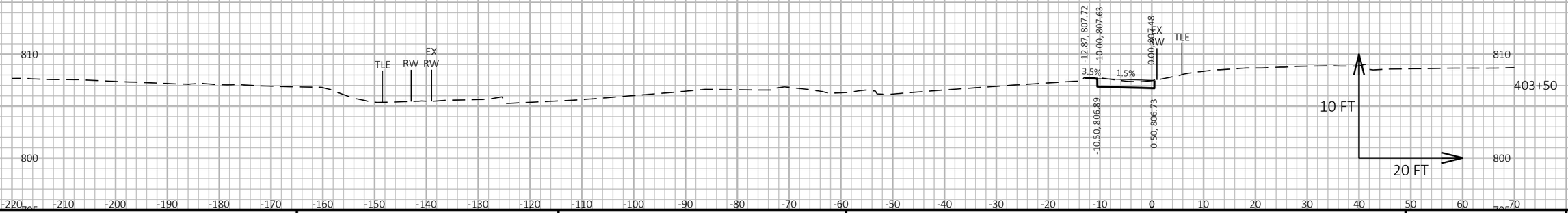
1. CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2. THIS DOES NOT SHOW UP IN CROSS SECTIONS
3. DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
5. WILL BE BACKFILLED WITH BREAKER RUN
8. EBS TO BE BACKFILLED WITH BREAKER RUN: [CUT - SALVAGED PAVT - EXPANDED FILL]

BEGIN MULTIUSE PATH CONSTRUCTION
STATION 109+96









9

9

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 571	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 090150-xs

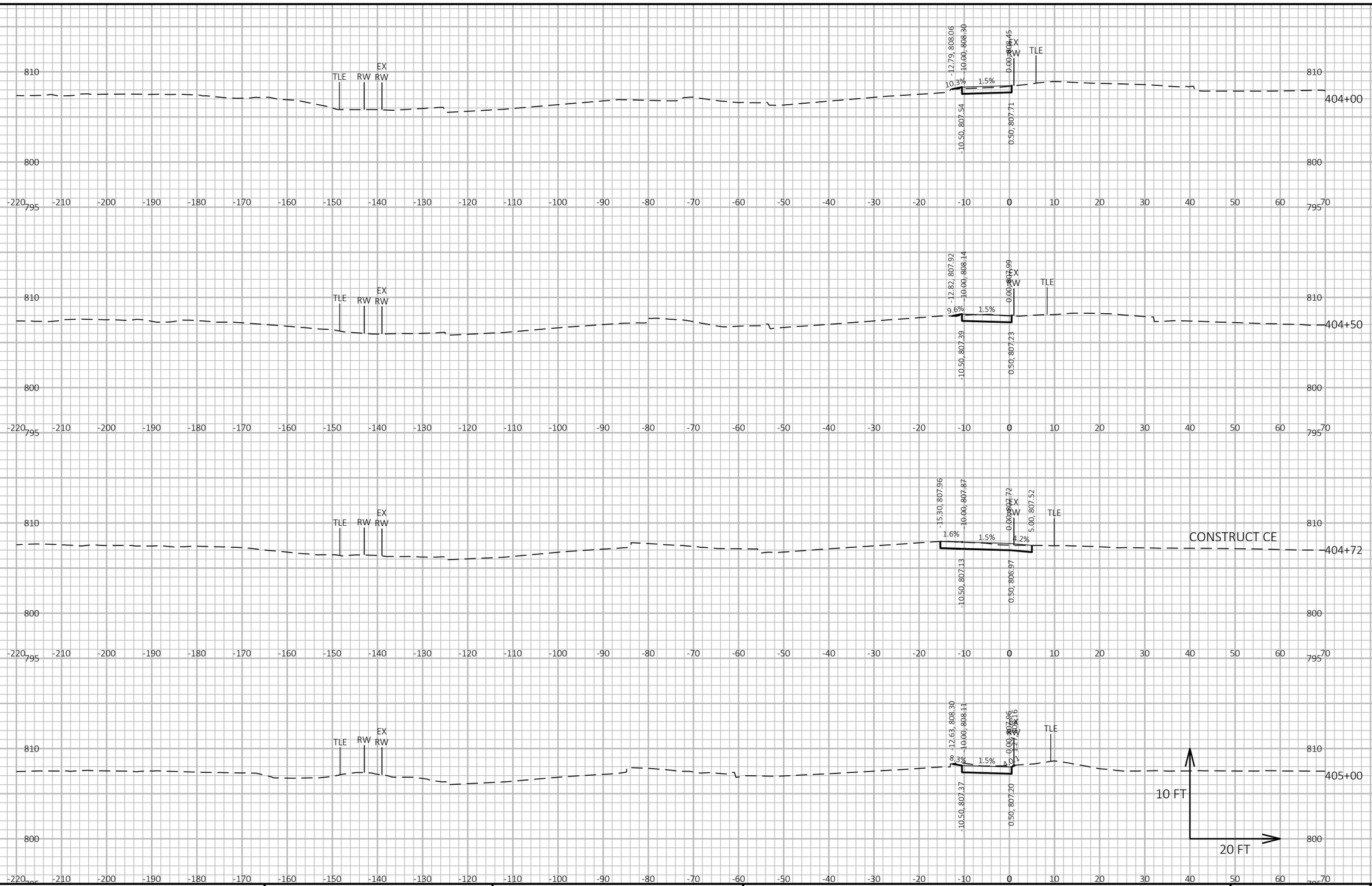
PLOT DATE : 4/4/2024 11:51 AM

PLOT BY : WRIGHT, BRANDON

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 572	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 090151-xs

PLOT DATE : 4/4/2024 11:51 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 573	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 090152-xs

PLOT DATE : 4/4/2024 11:51 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

9

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 574	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 090153-xs

PLOT DATE : 4/4/2024 11:51 AM

PLOT BY : WRIGHT, BRANDON

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

WITHIN LIMITS OF LOOMIS ROAD

508+00

WITHIN LIMITS OF LOOMIS ROAD

508+50

WITHIN LIMITS OF LOOMIS ROAD

509+00

509+50

TLE

RW

-0.85, 804.26

0.00, 804.11

EX RW

10.00, 804.26

16.01, 804.51

6.0:1

1.5%

4.2%

-0.50, 803.35

10.50, 803.52

10 FT

20 FT

9

9

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 575	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 090105-xs

PLOT DATE : 4/4/2024 11:51 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 576	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 090106-xs

PLOT DATE : 4/4/2024 11:51 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

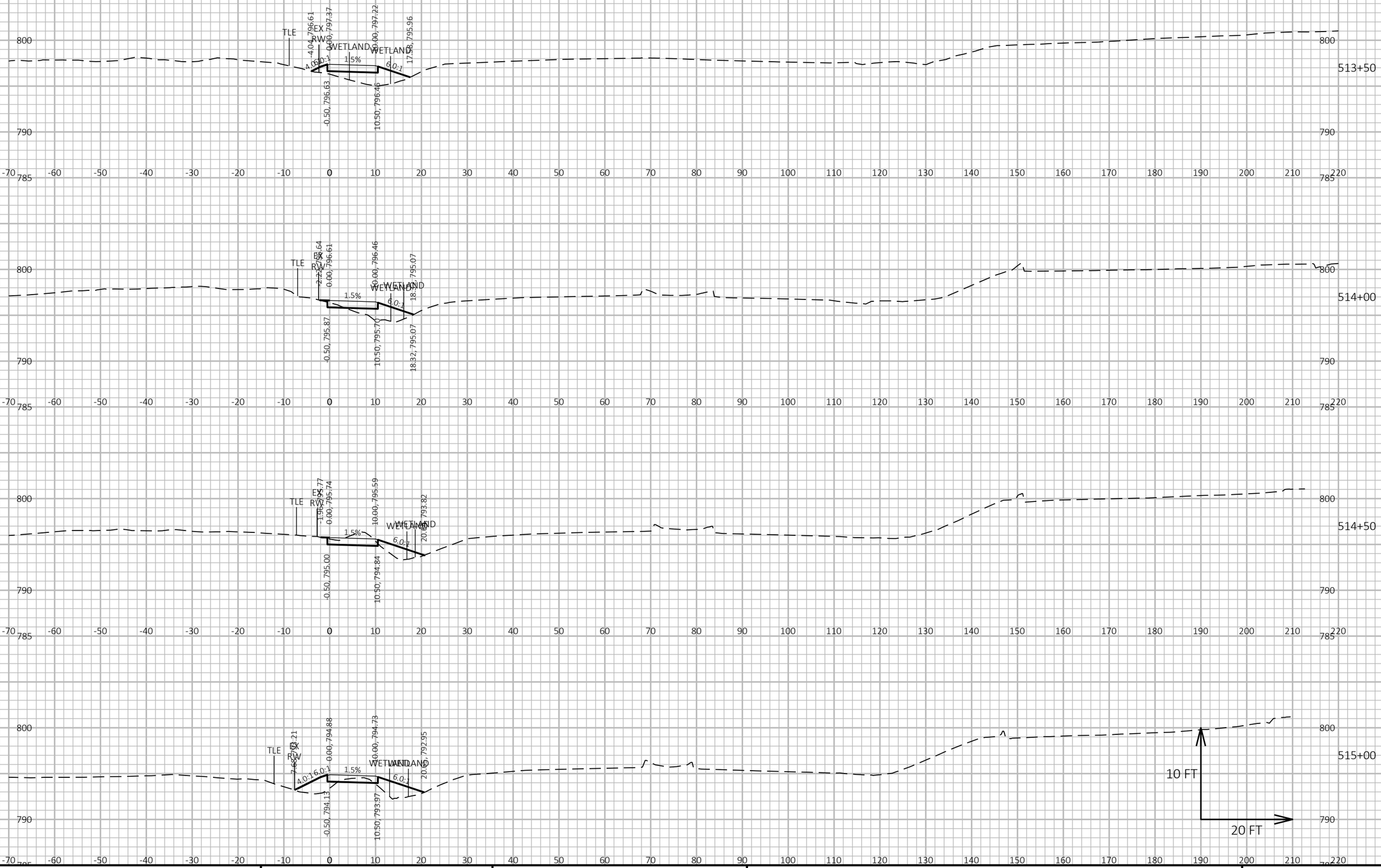
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 577	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 090107-xs

PLOT DATE : 4/4/2024 11:51 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 578	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 090108-xs

PLOT DATE : 4/4/2024 11:51 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

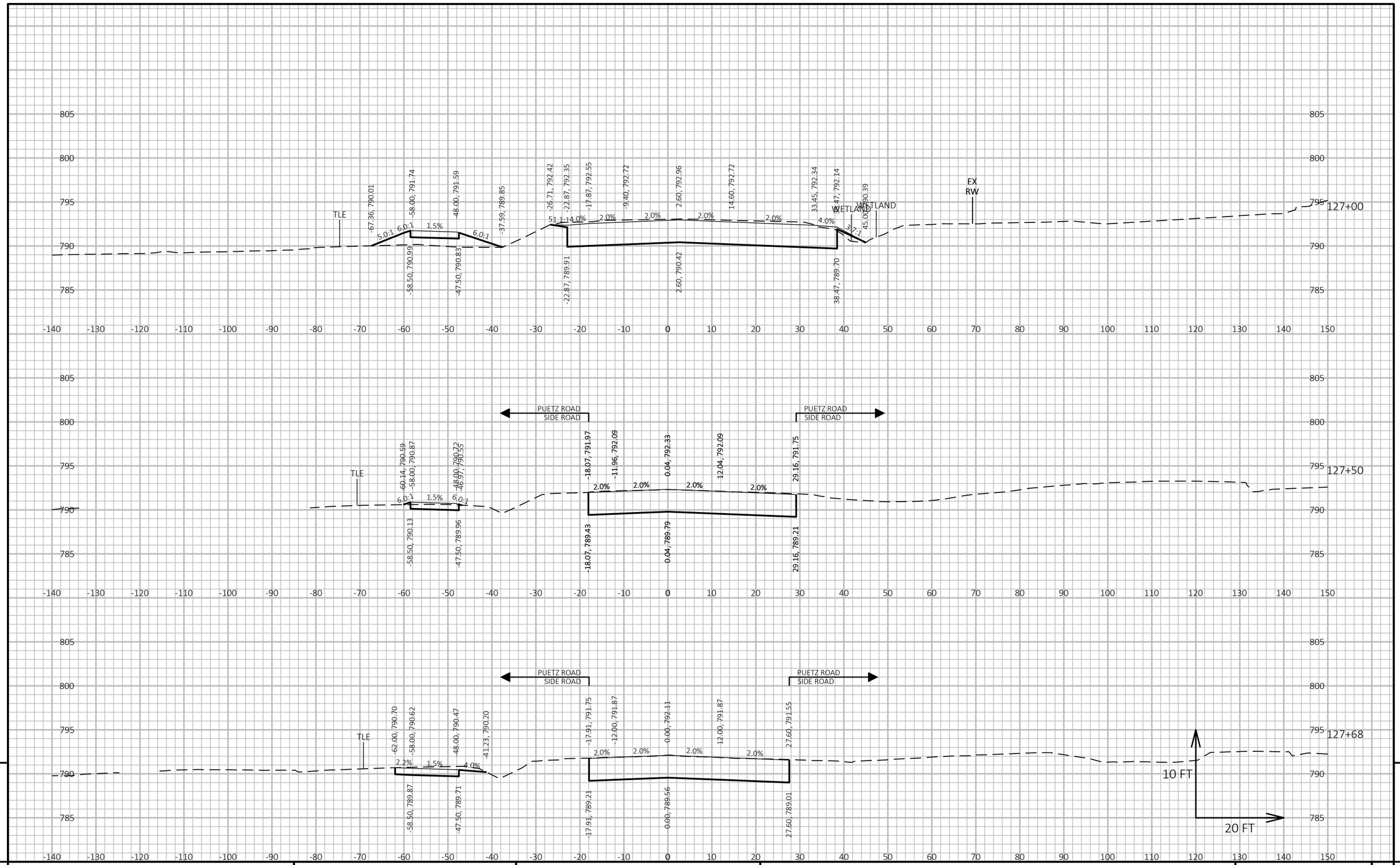
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 579	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090201-xs

PLOT DATE : 4/18/2024 10:56 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

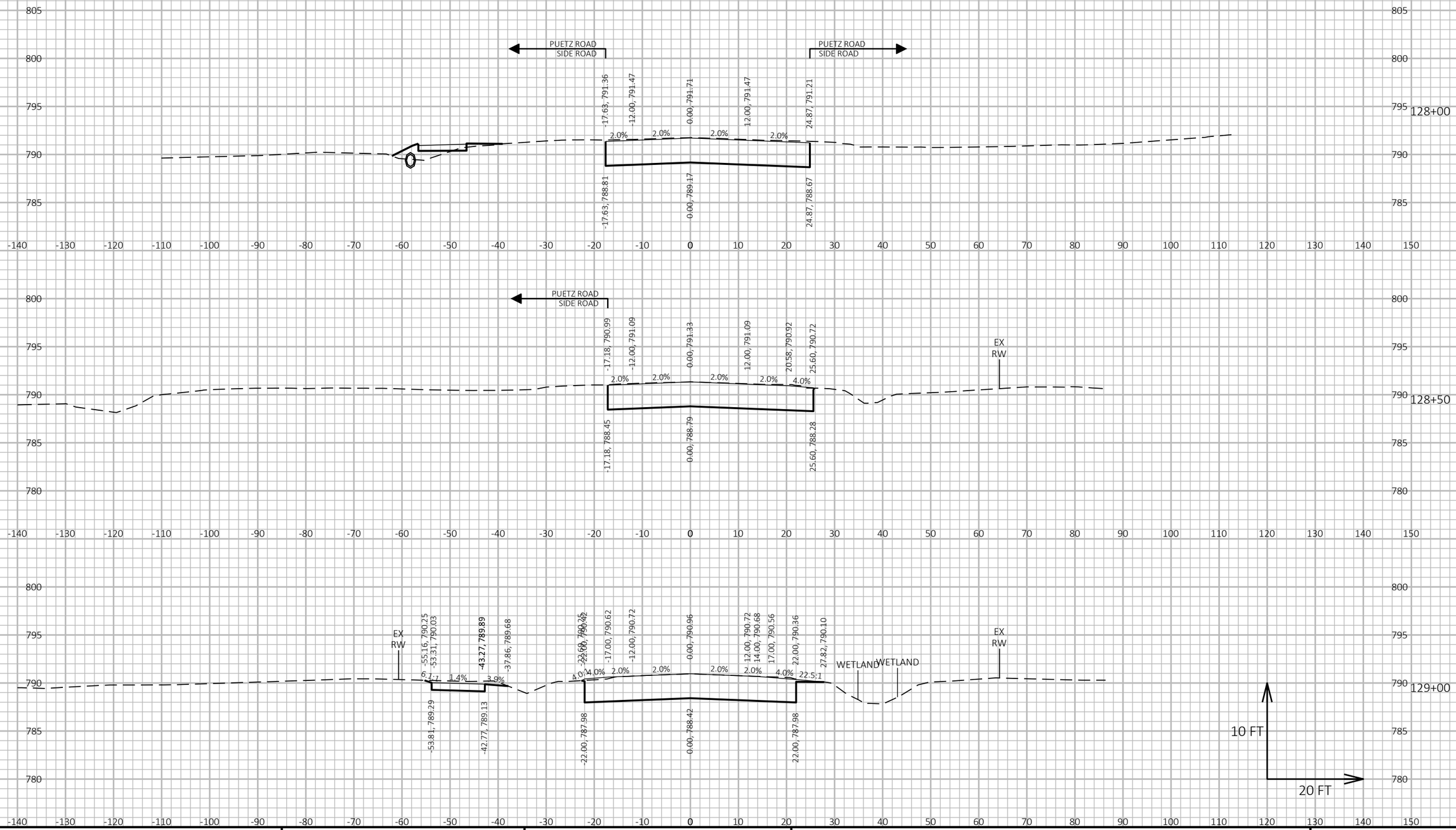
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 580	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090202-xs

PLOT DATE : 3/20/2024 12:01 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9 9

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 581	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090203-xs

PLOT DATE : 3/20/2024 12:01 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

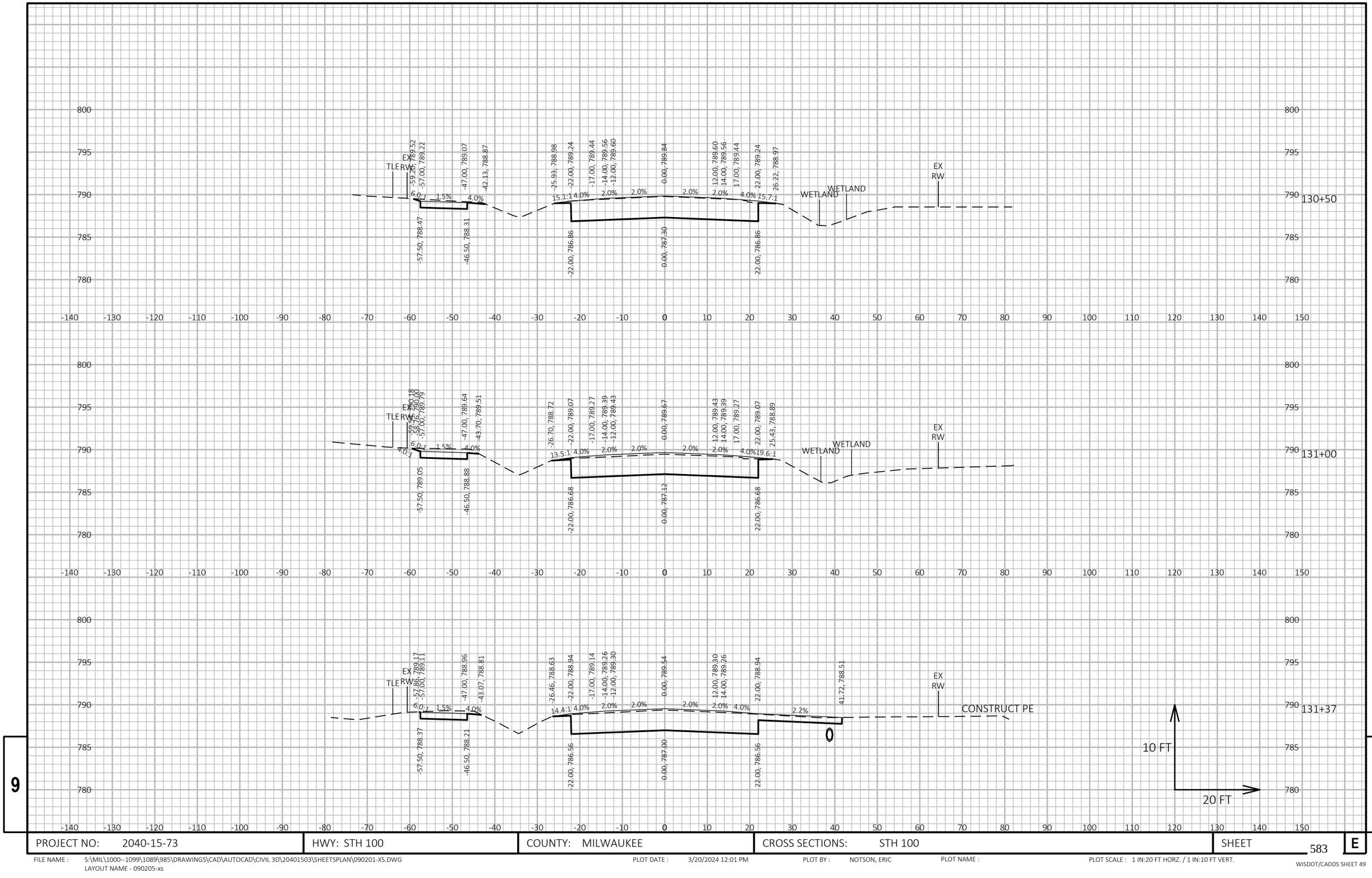
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 582	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090204-xs

PLOT DATE : 3/20/2024 12:01 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



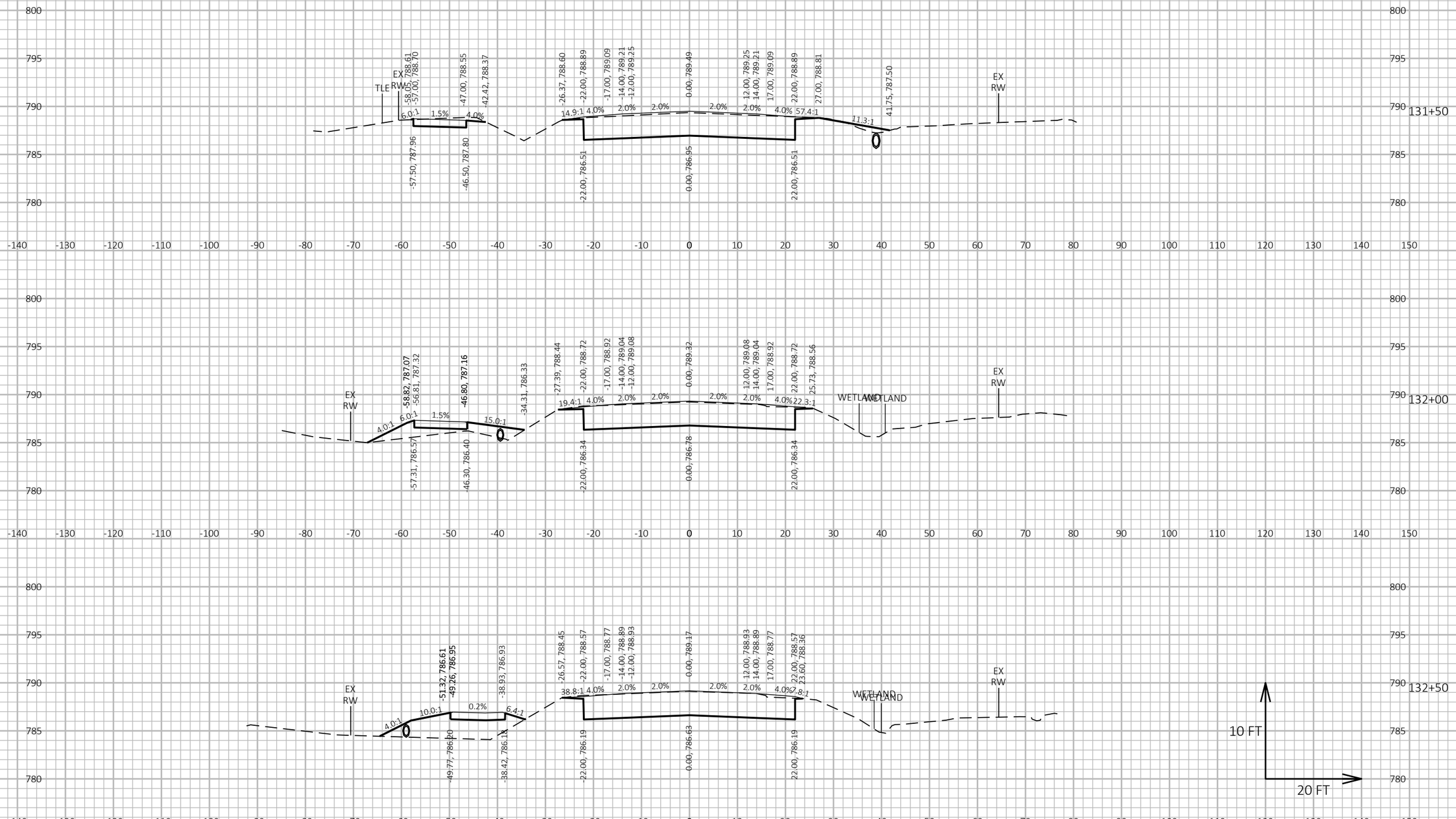
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 583	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090205-xs

PLOT DATE : 3/20/2024 12:01 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

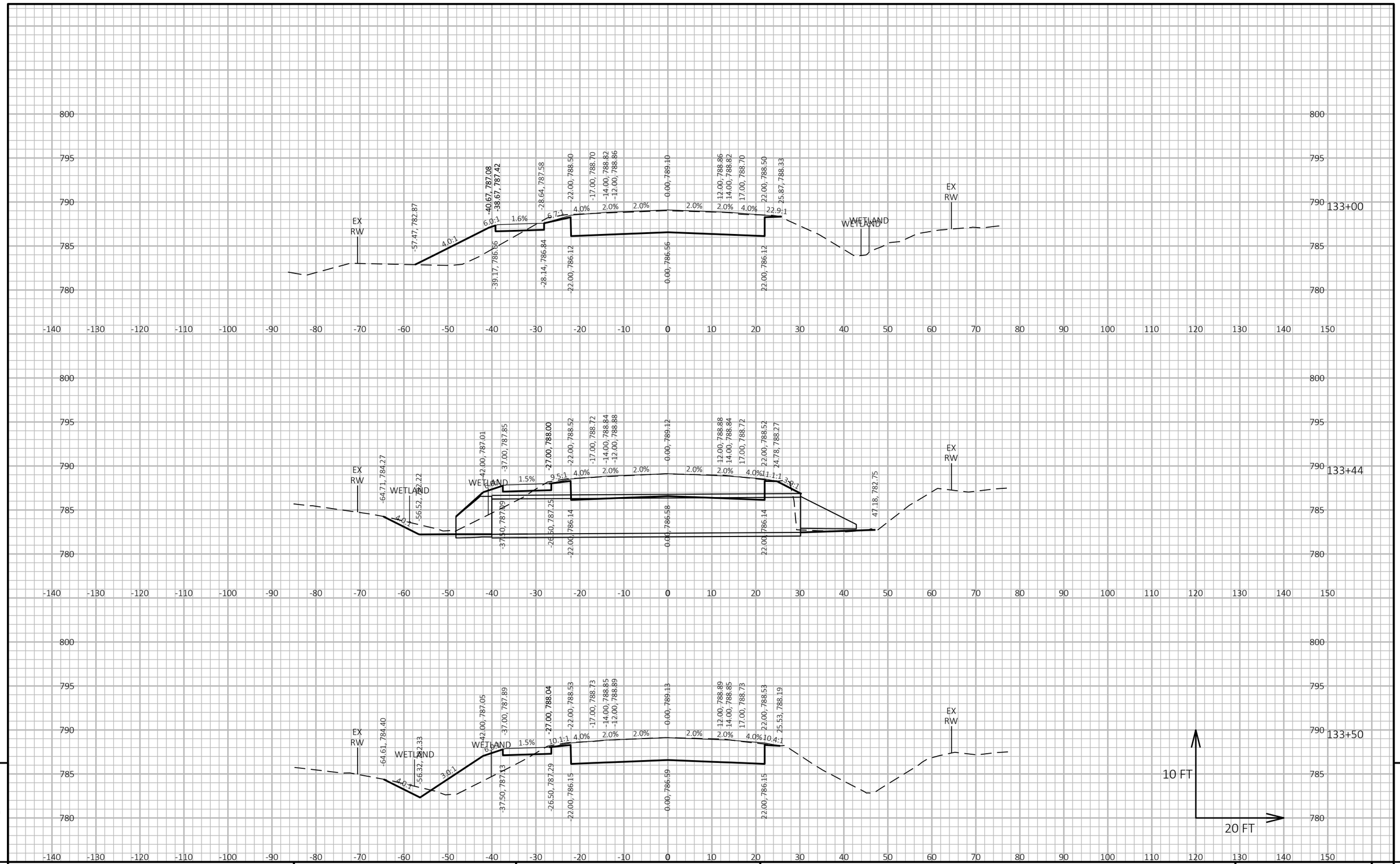


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 584 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090206-xs

PLOT DATE : 3/20/2024 12:01 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

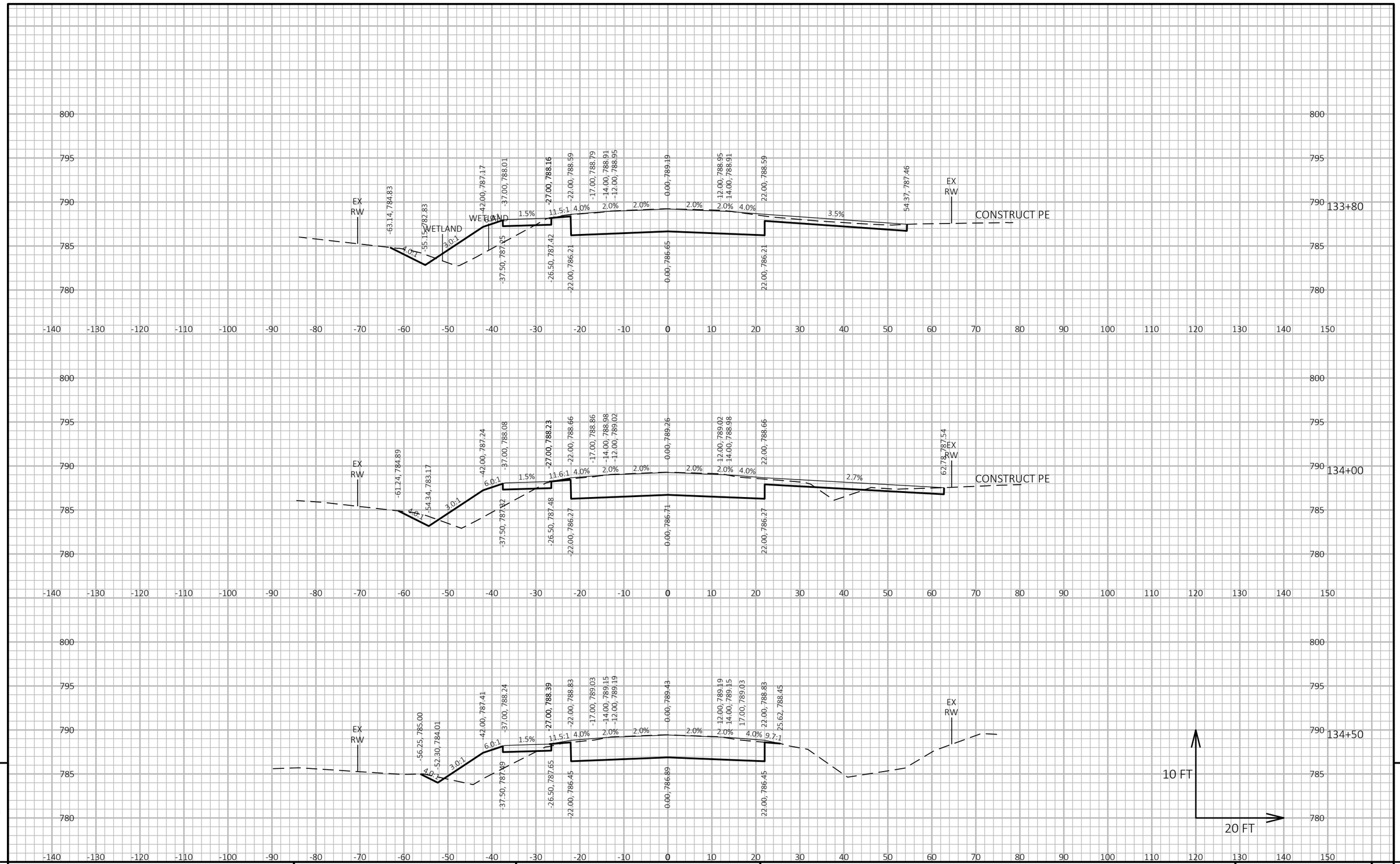
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 585	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090207-xs

PLOT DATE : 4/19/2024 11:43 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

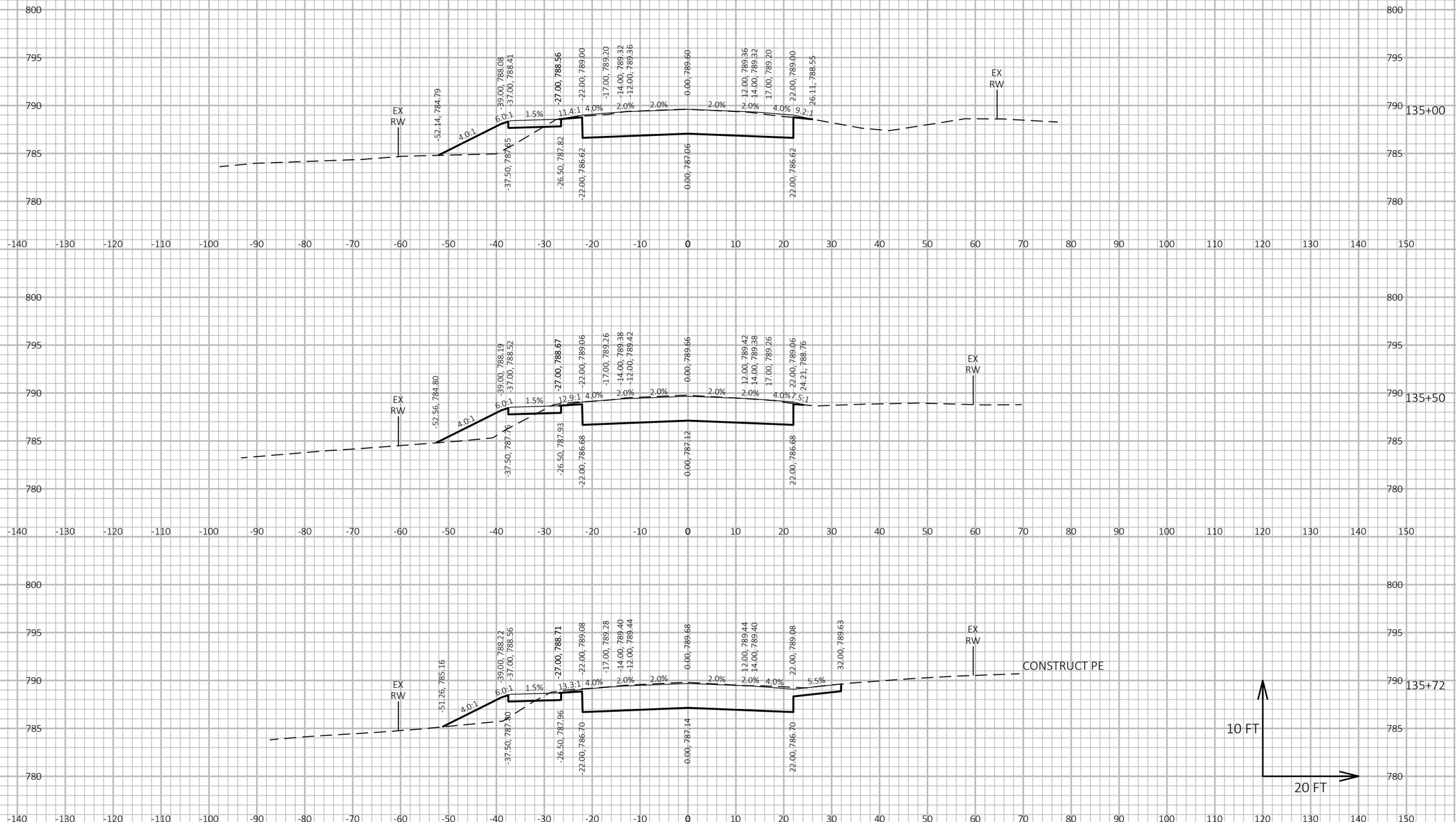
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 586	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090208-xs

PLOT DATE : 3/20/2024 12:01 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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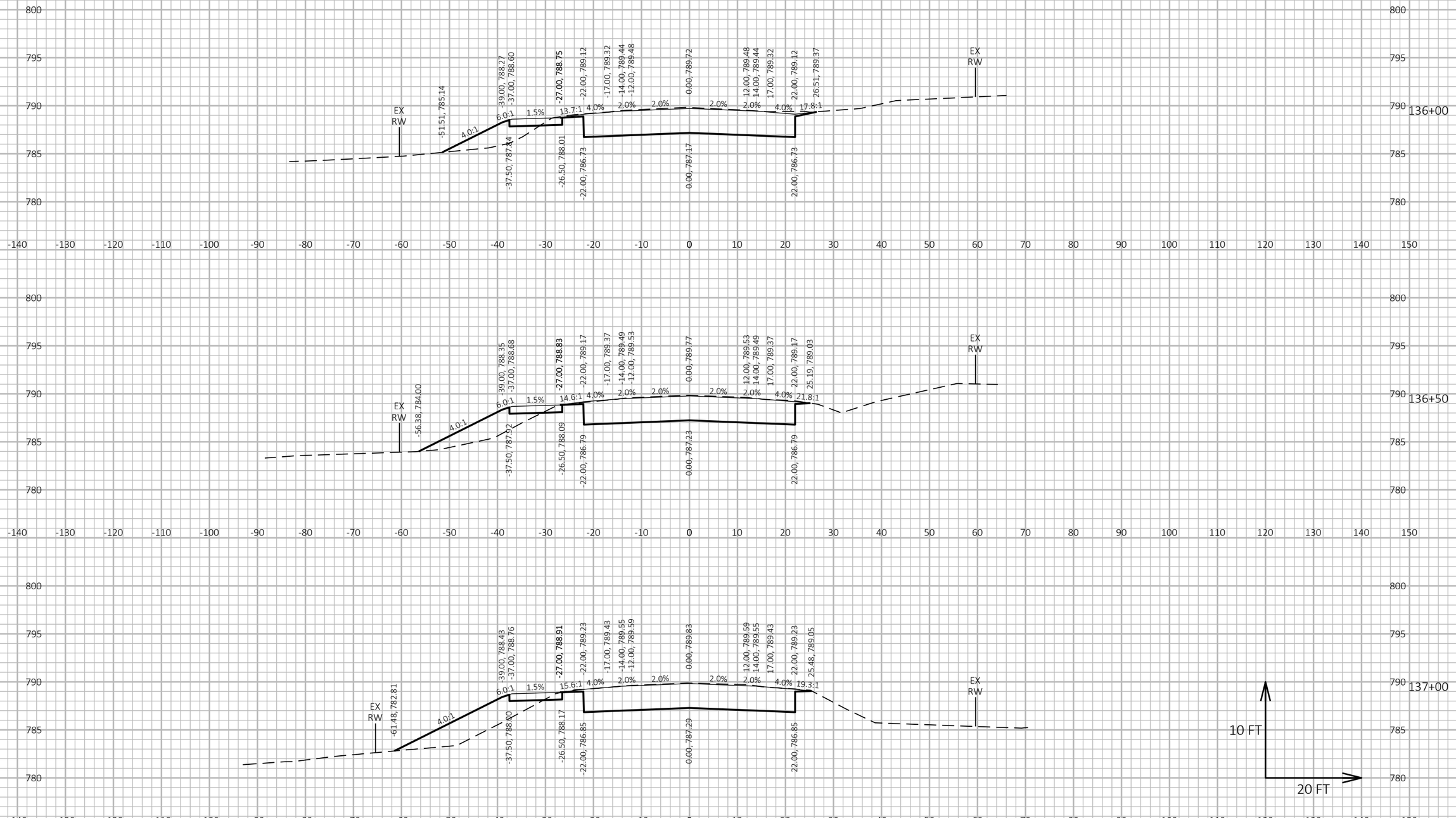
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 587	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090209-xs

PLOT DATE : 3/20/2024 12:01 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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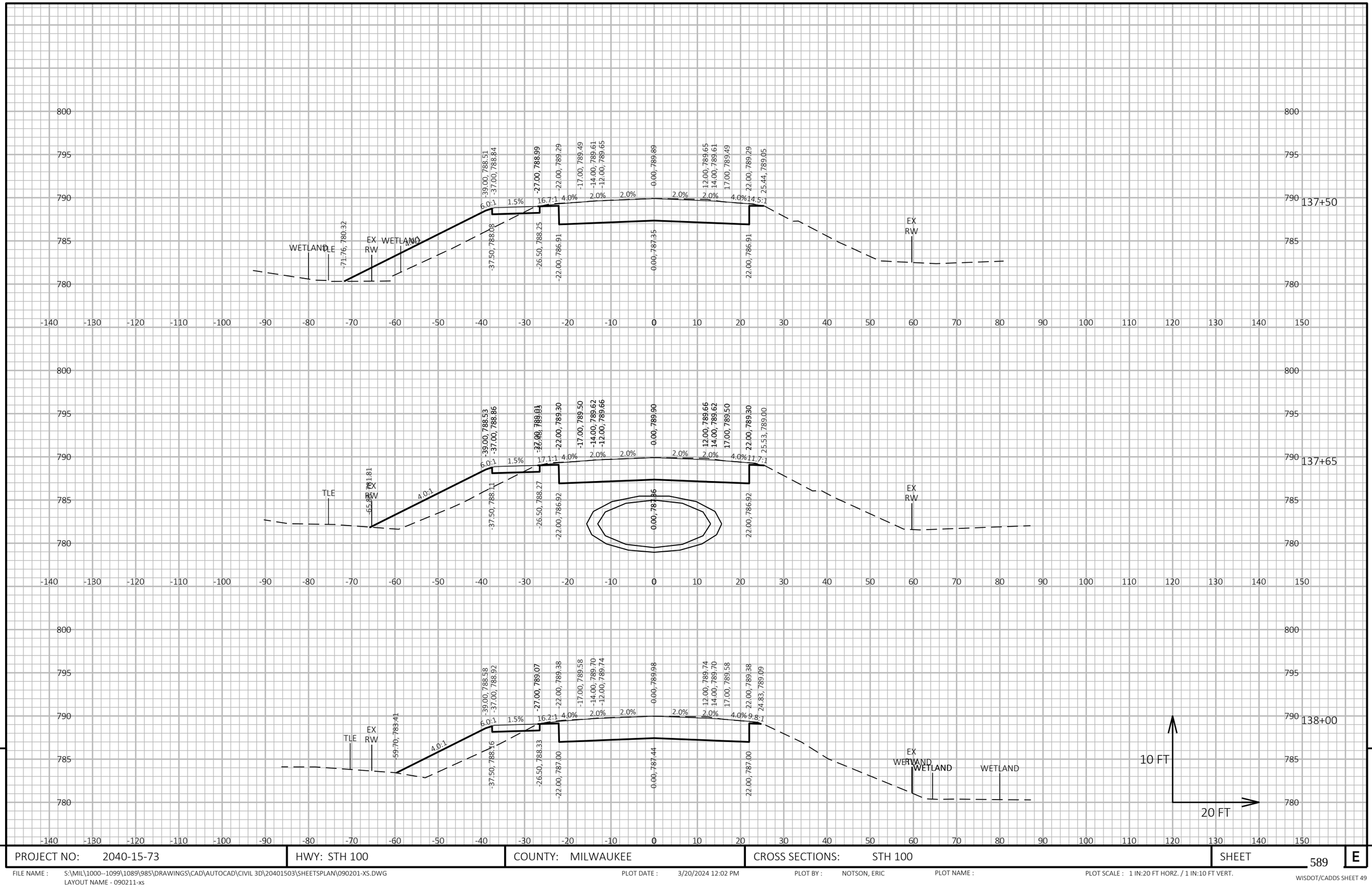
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 588	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090210-xs

PLOT DATE : 3/20/2024 12:02 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

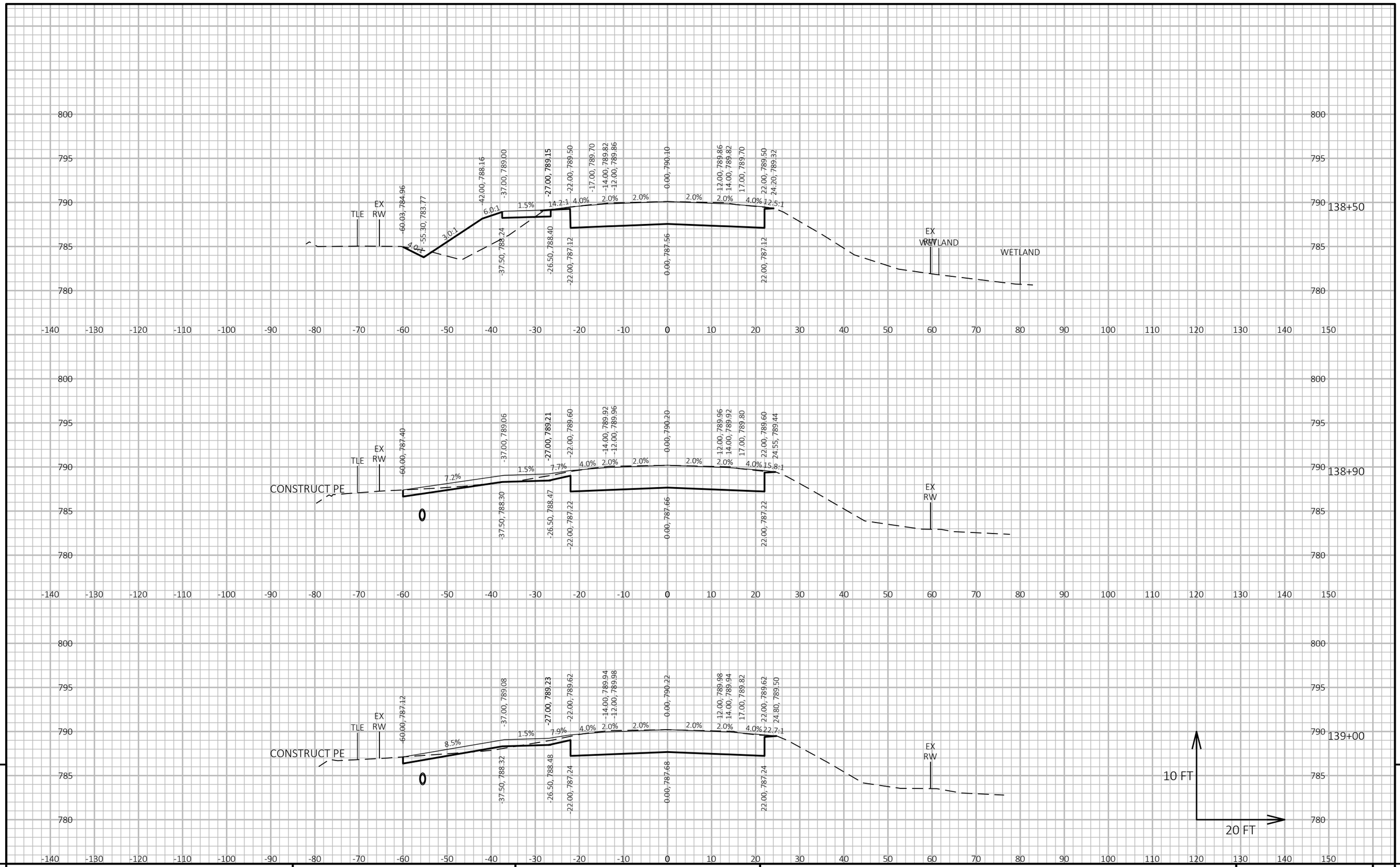
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 589	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090211-xs

PLOT DATE : 3/20/2024 12:02 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 590	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090212-xs

PLOT DATE : 3/20/2024 12:02 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 591	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090213-xs

PLOT DATE : 3/20/2024 12:02 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

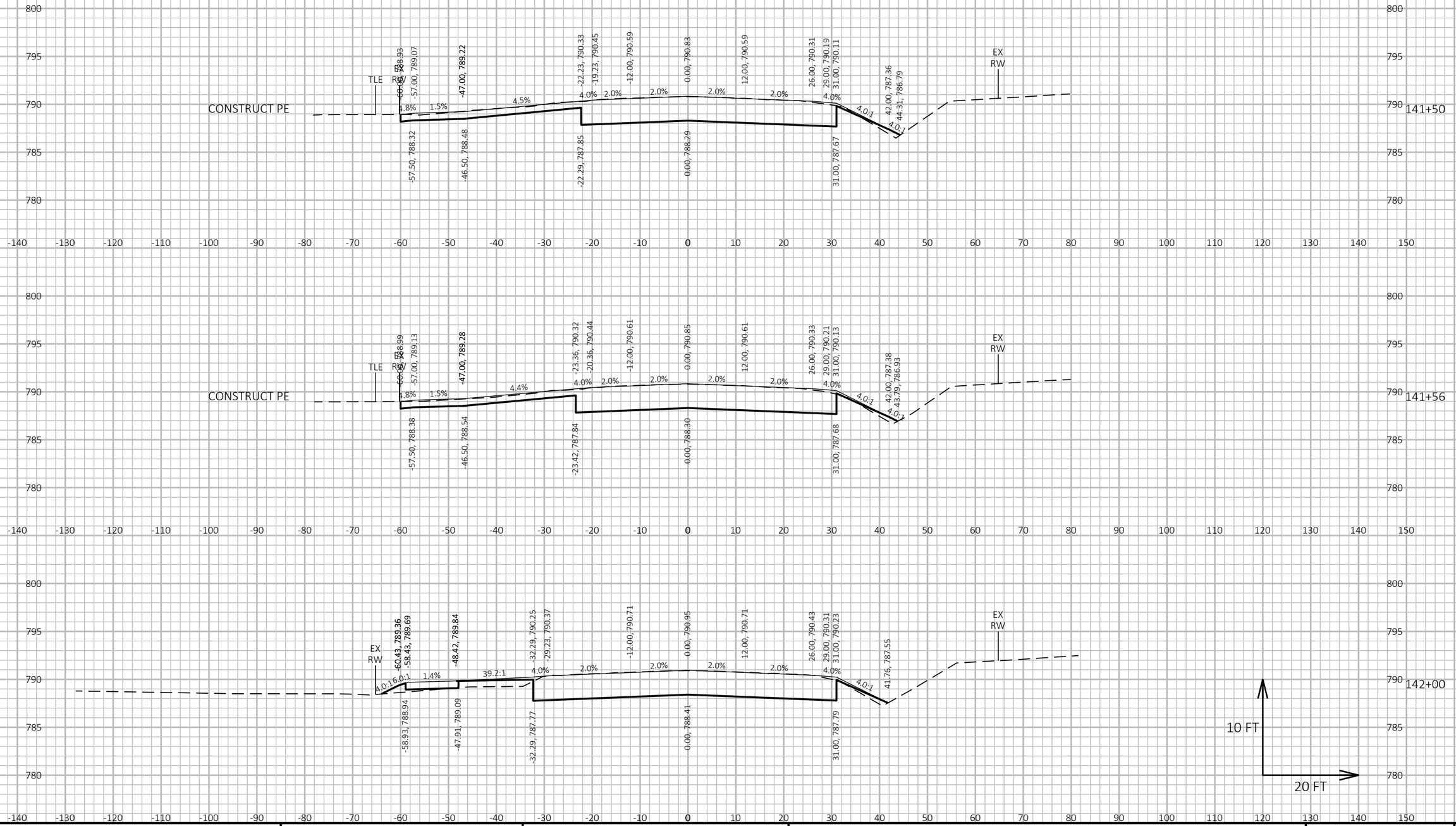
WISDOT/CADDS SHEET 49

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 592	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090214-xs

PLOT DATE : 3/20/2024 12:02 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

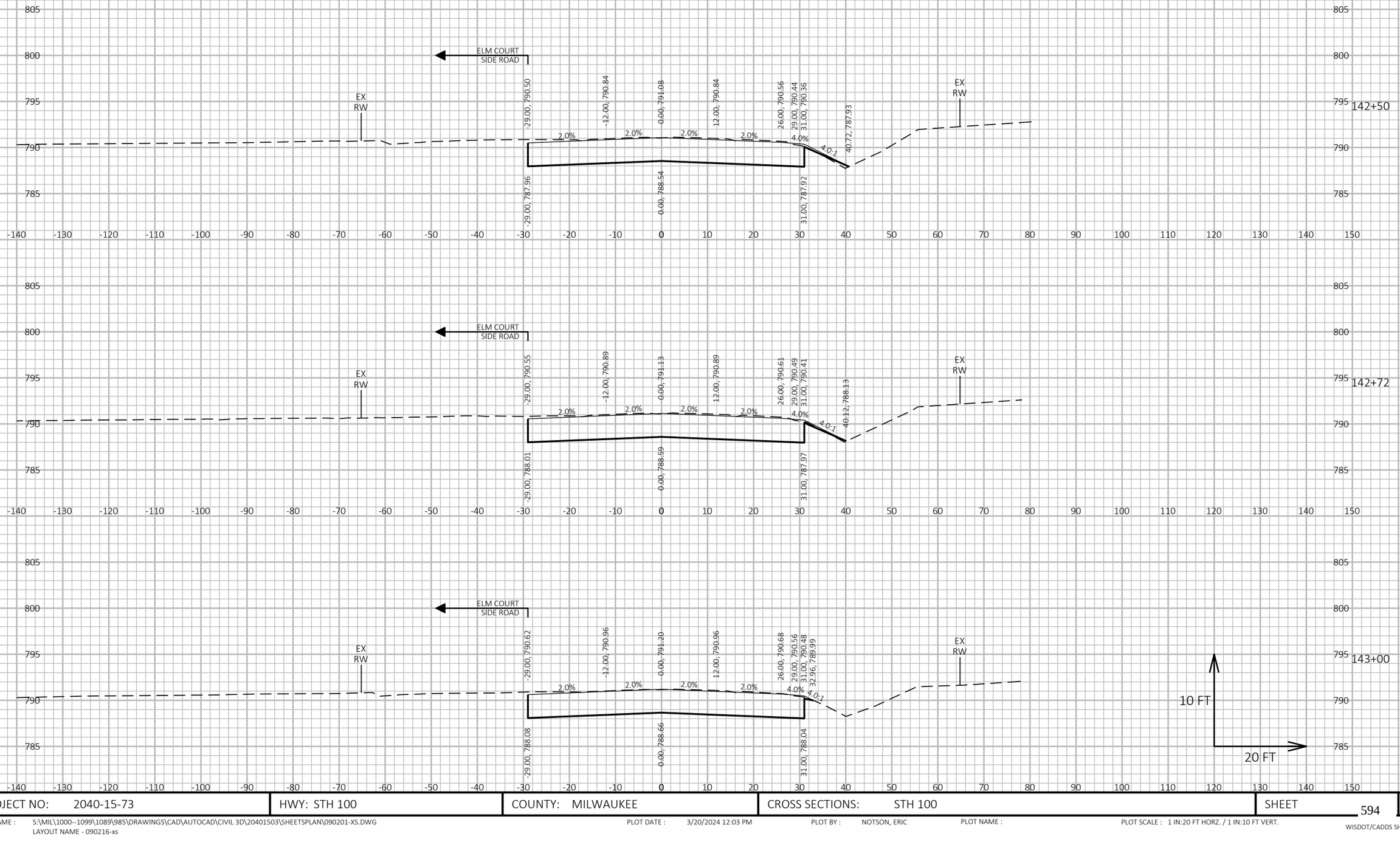
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 593	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090215-xs

PLOT DATE : 3/20/2024 12:03 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

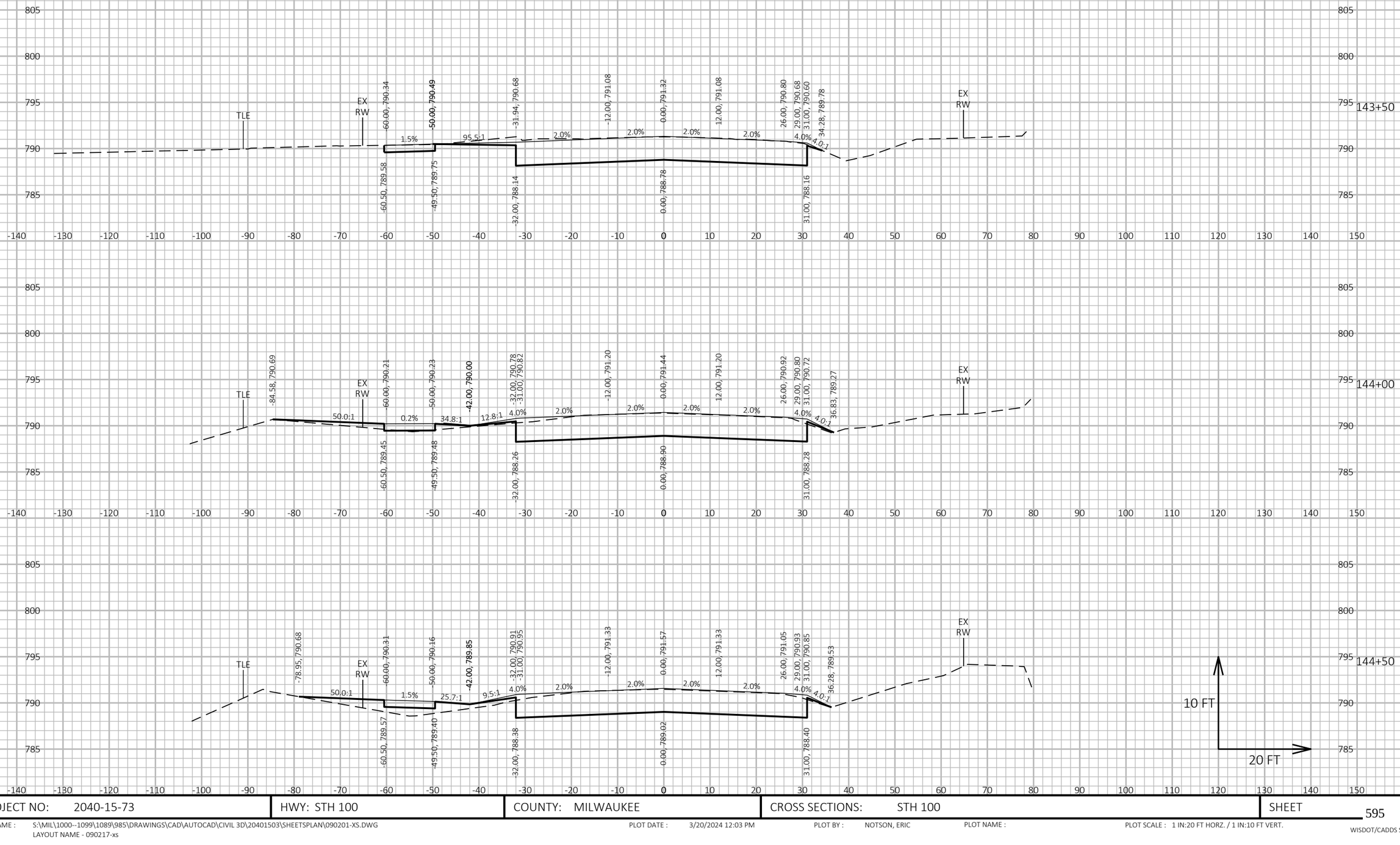


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 594 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090216-xs

PLOT DATE : 3/20/2024 12:03 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

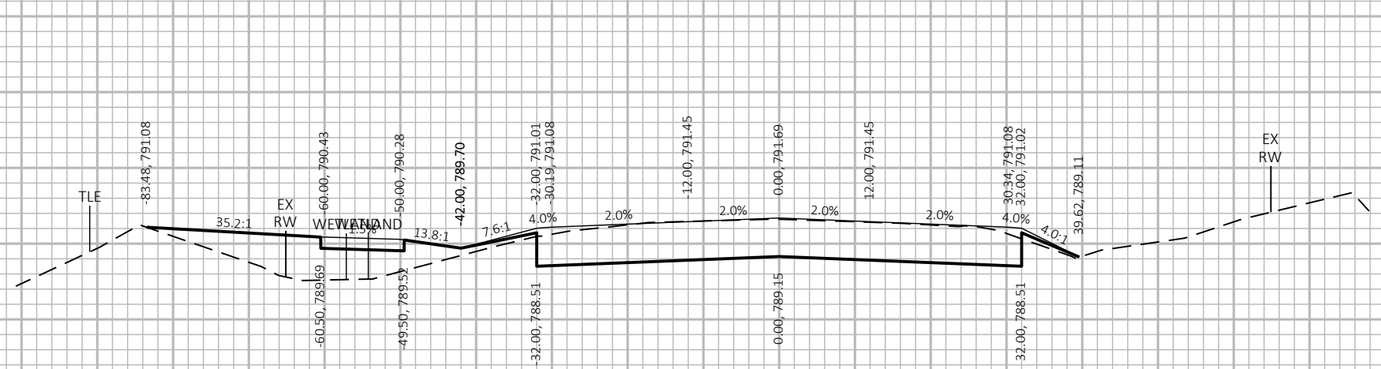
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 595	E

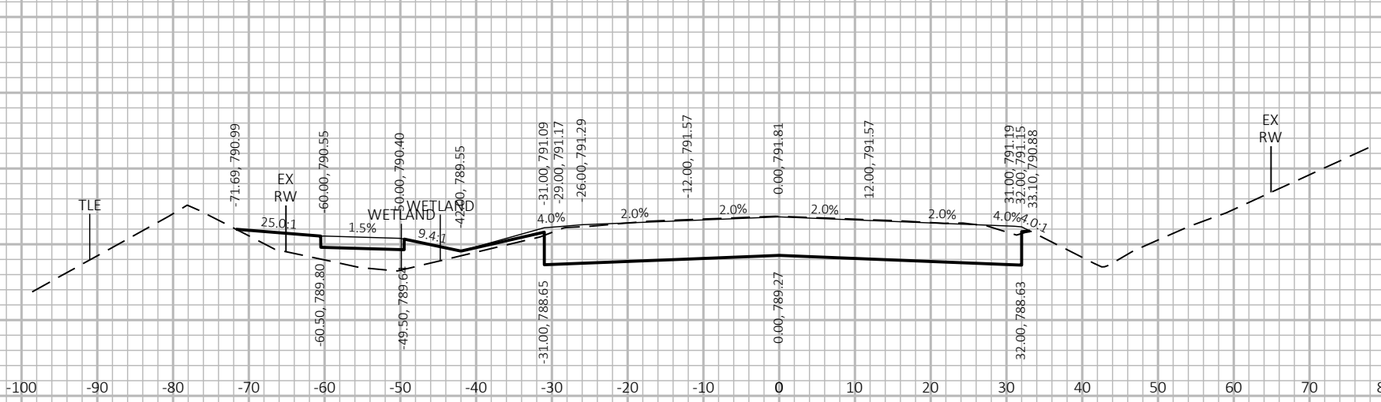
FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090217-xs

PLOT DATE : 3/20/2024 12:03 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

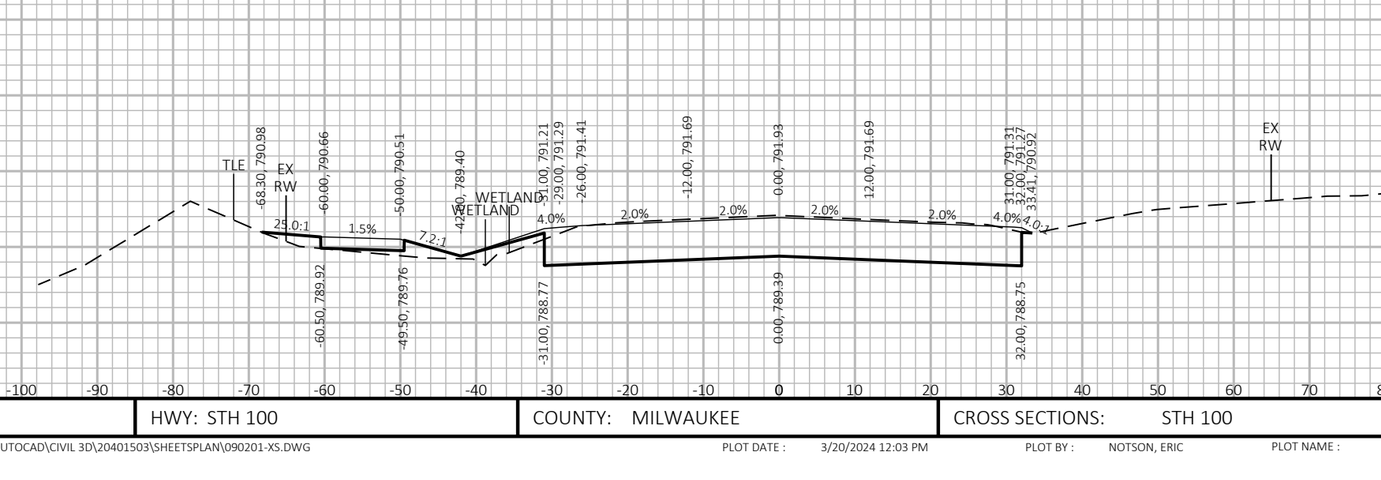
WISDOT/CADDS SHEET 49



145+00



145+50



146+00

10 FT

20 FT

9

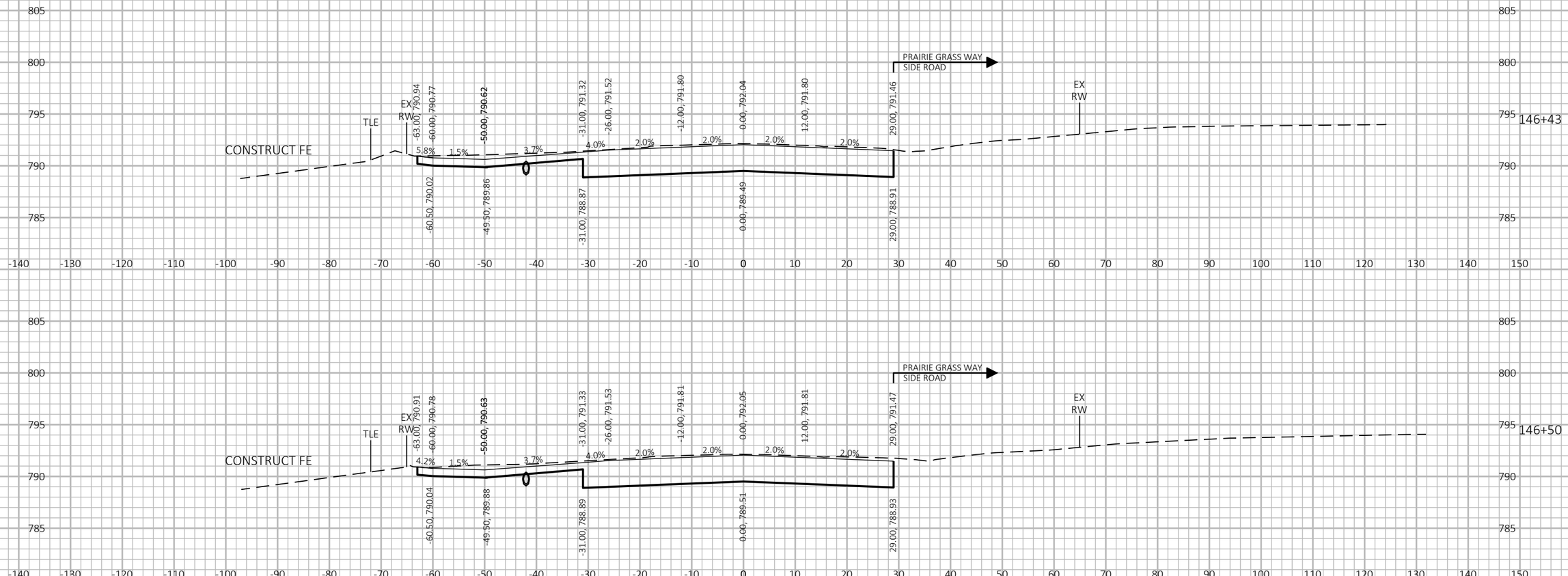
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 596	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090218-xs

PLOT DATE : 3/20/2024 12:03 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

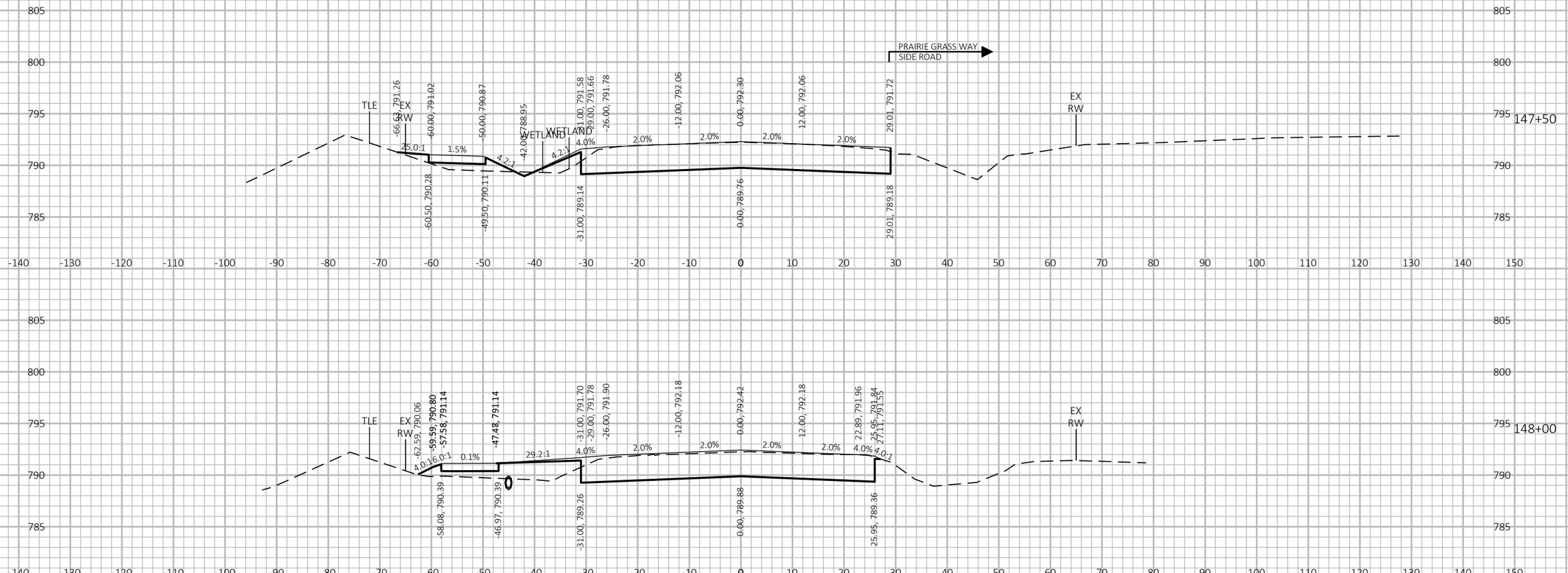
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 597	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090219-xs

PLOT DATE : 3/20/2024 12:03 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

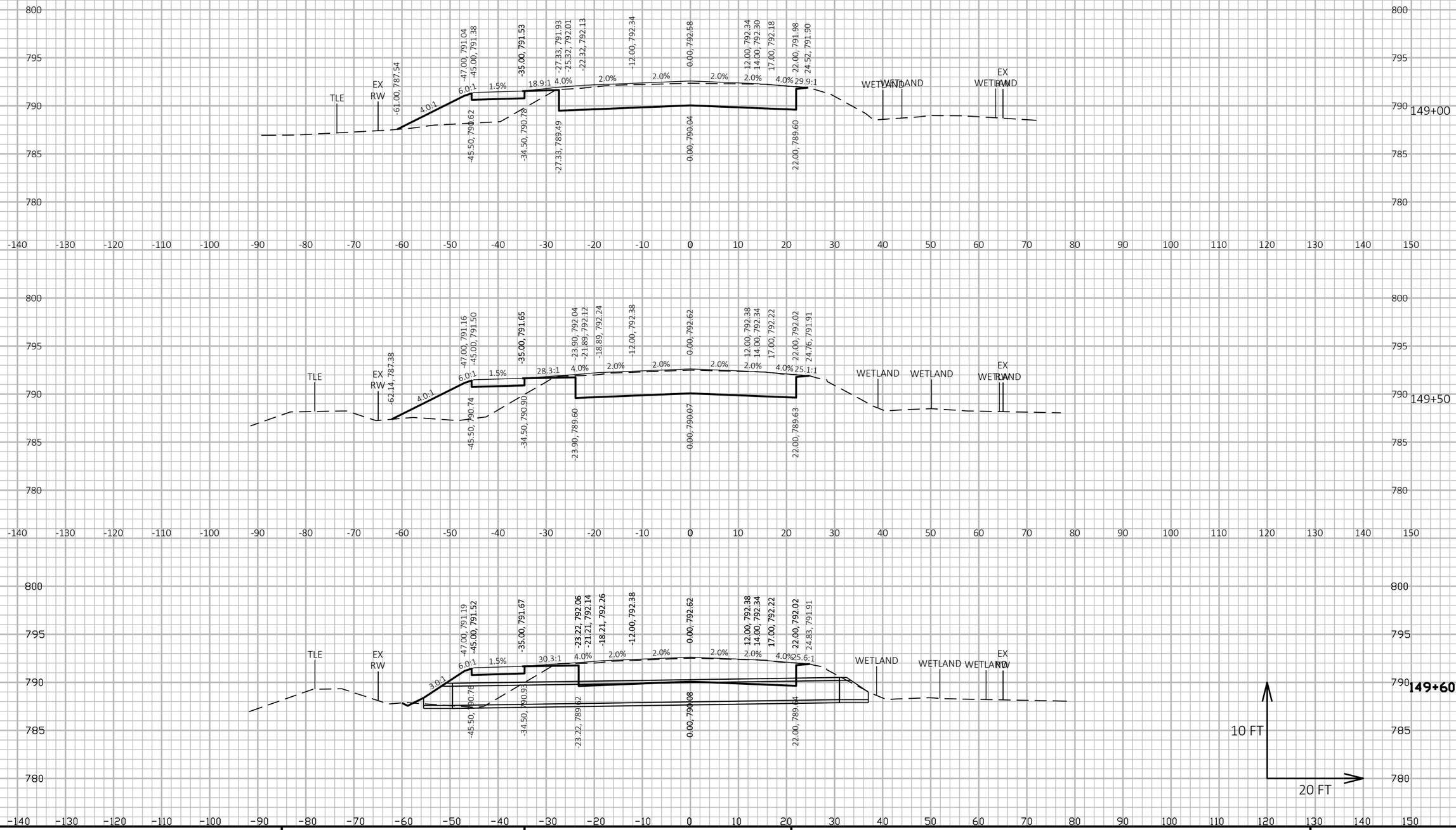
WISDOT/CADDS SHEET 49



PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 598	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090220-xs

PLOT DATE : 3/20/2024 12:04 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

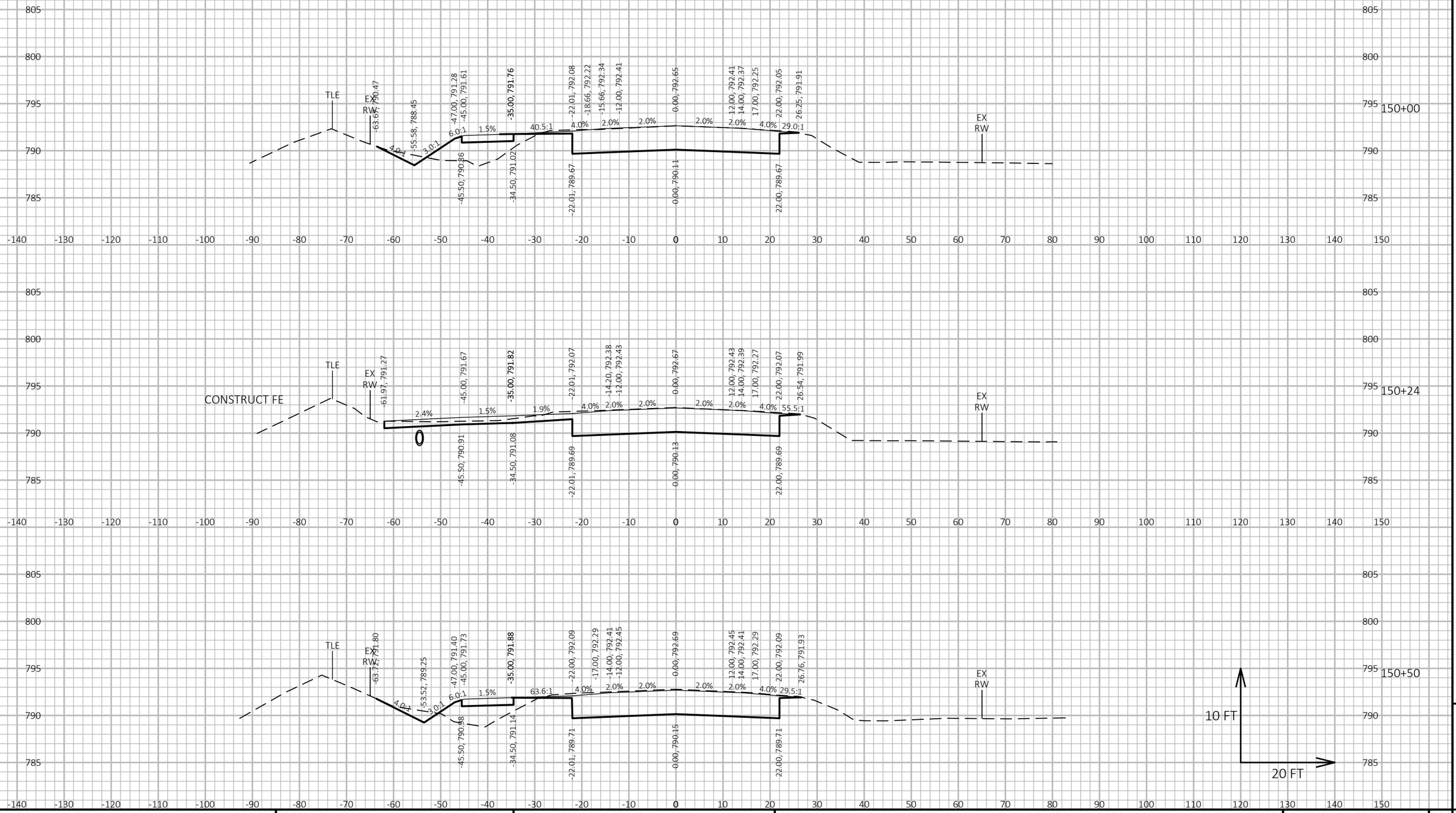
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 599	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090221-xs

PLOT DATE : 4/2/2024 8:19 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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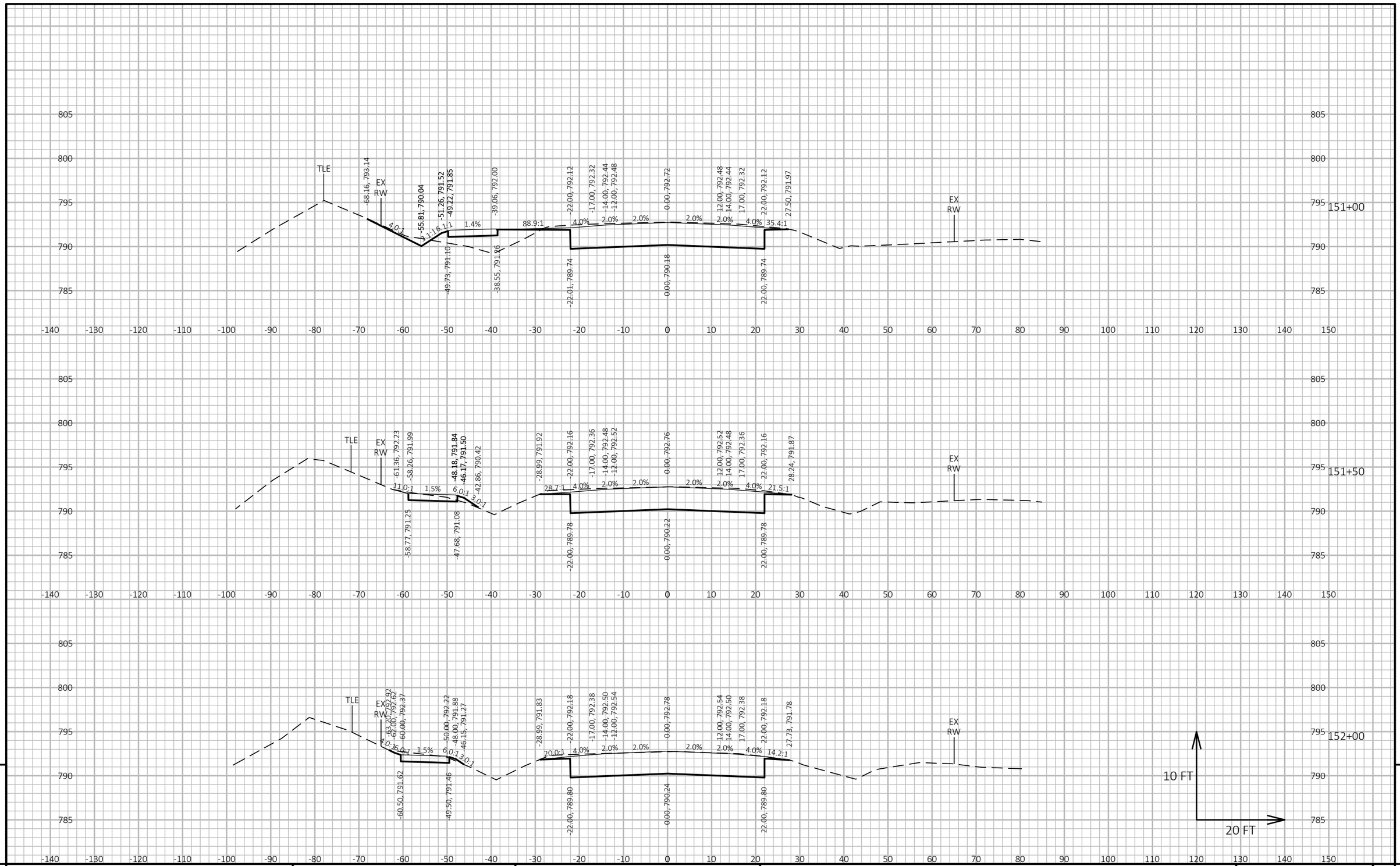
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 600	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090222-xs

PLOT DATE : 3/20/2024 12:04 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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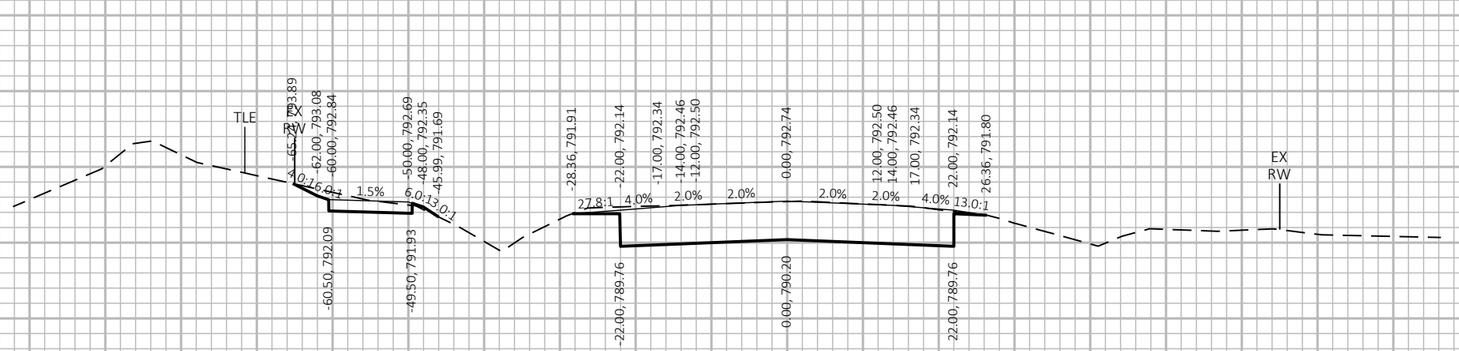
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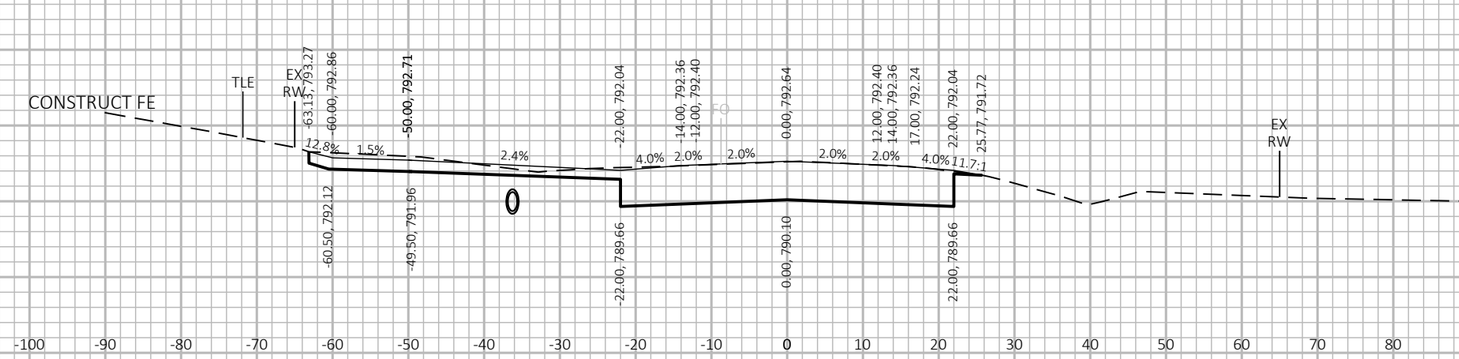
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 601	E

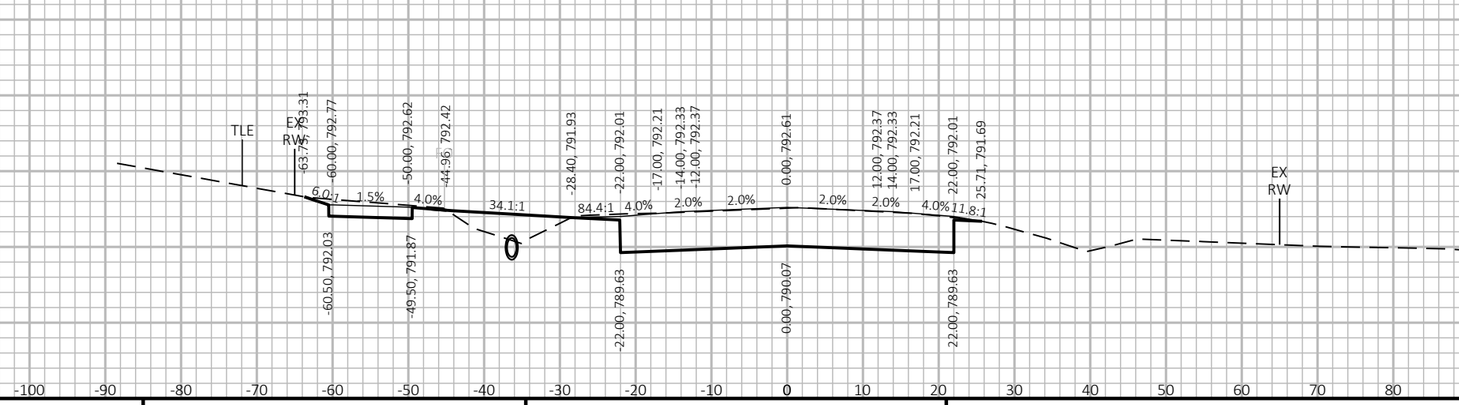
FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090223-xs

PLOT DATE : 3/20/2024 12:04 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







9

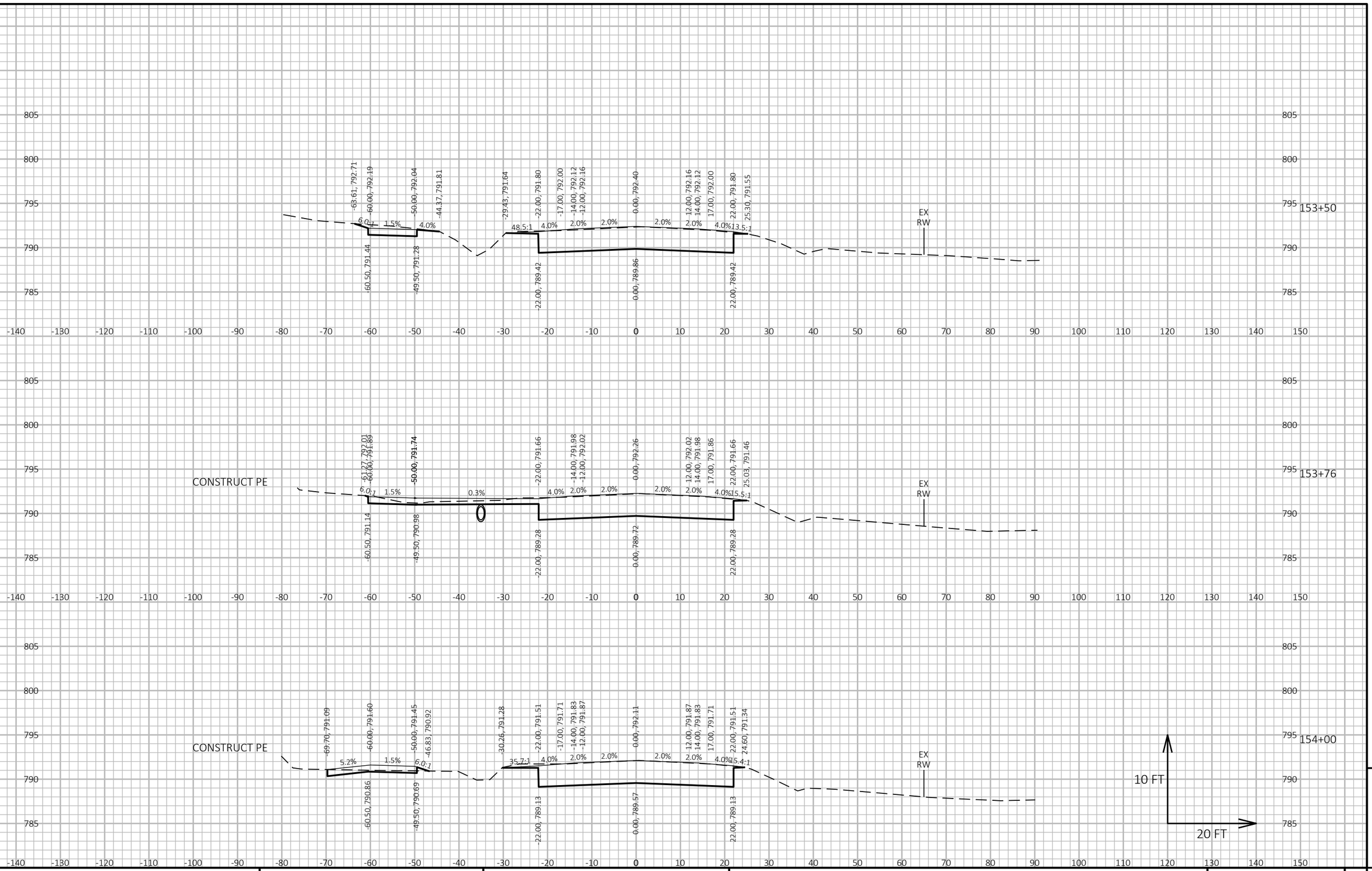
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 602	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090224-xs

PLOT DATE : 3/20/2024 12:04 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



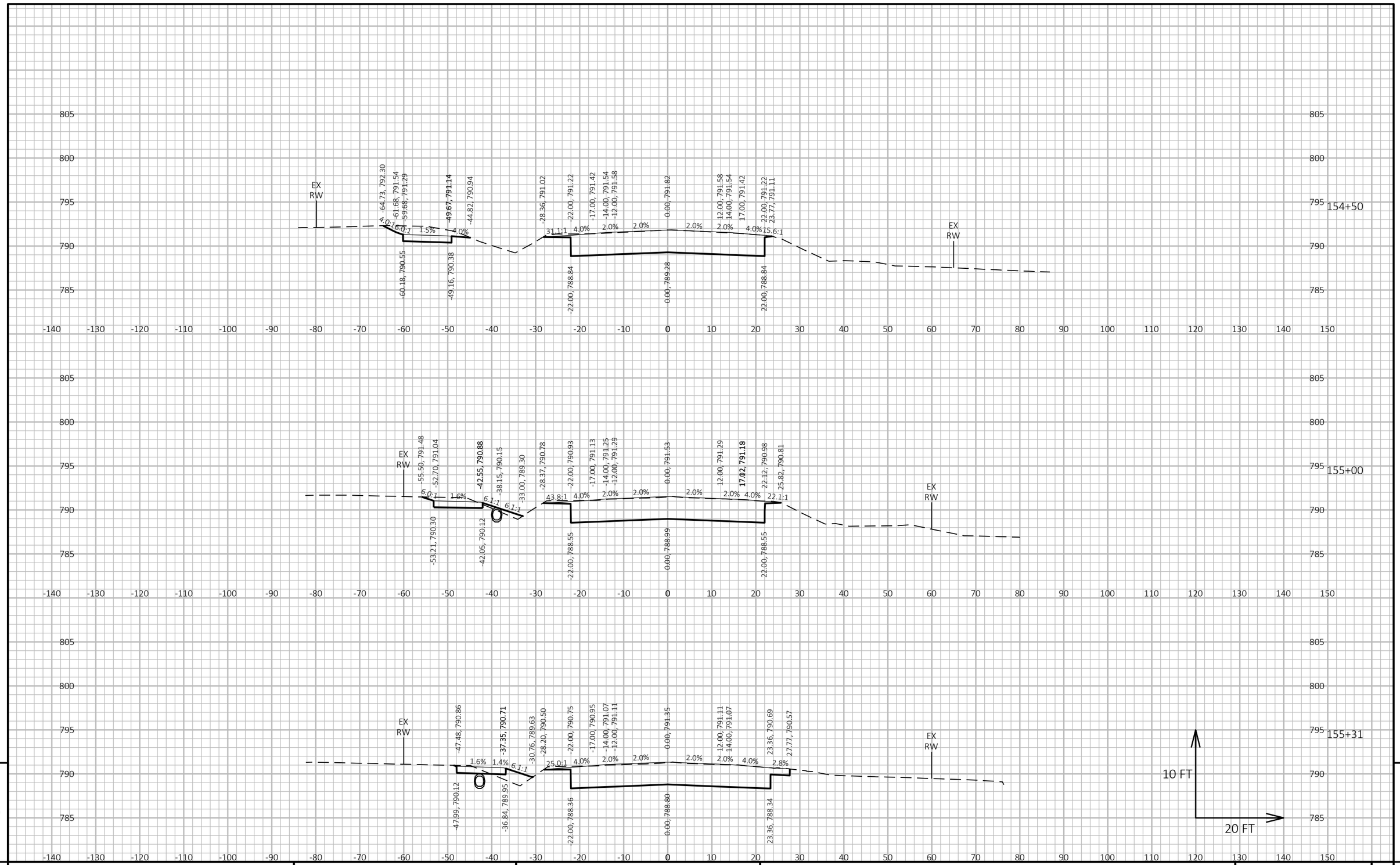
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 603	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090225-xs

PLOT DATE : 3/20/2024 12:04 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

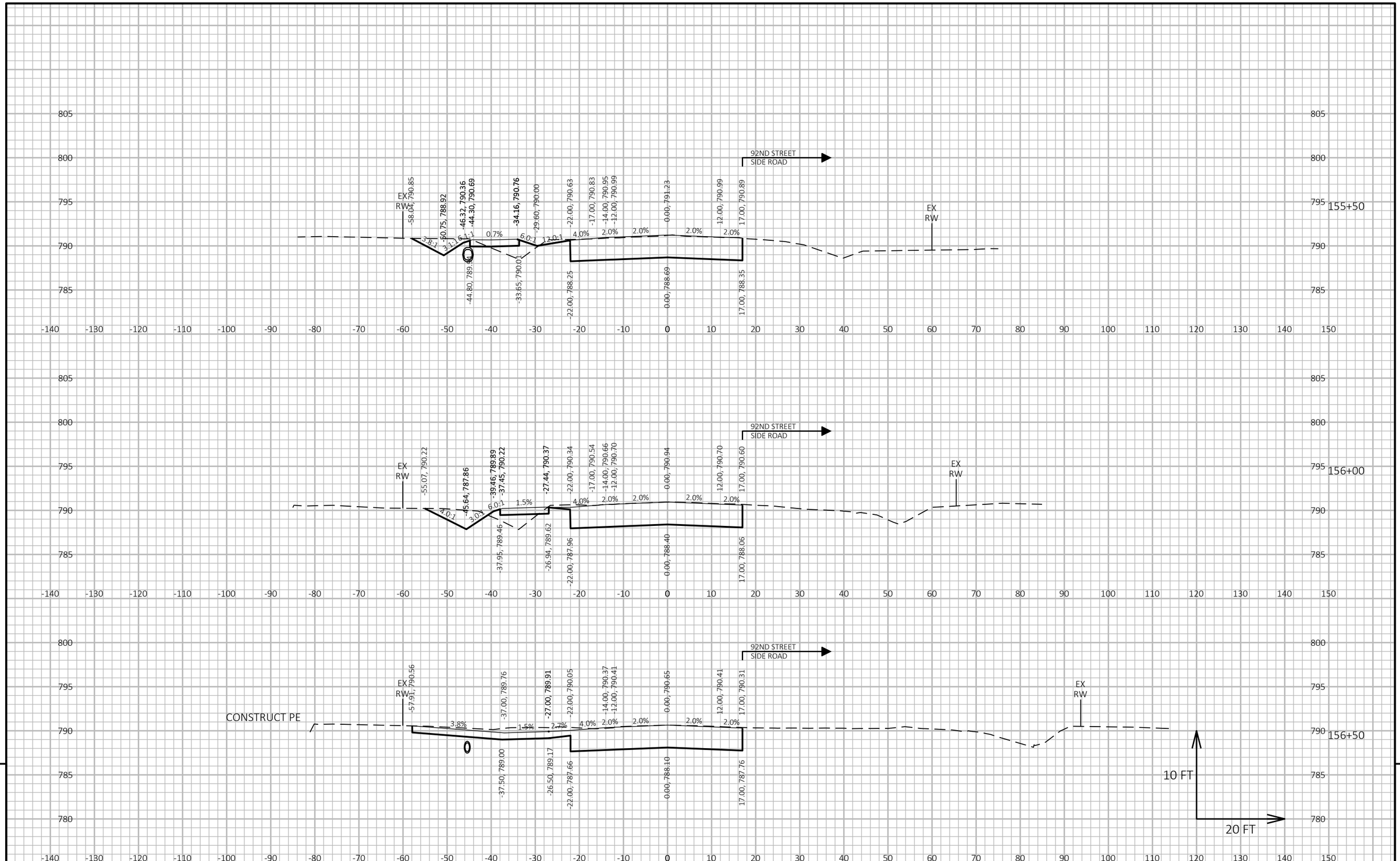


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 604	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090226-xs

PLOT DATE : 3/20/2024 12:12 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 605	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090227-xs

PLOT DATE : 3/20/2024 12:04 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

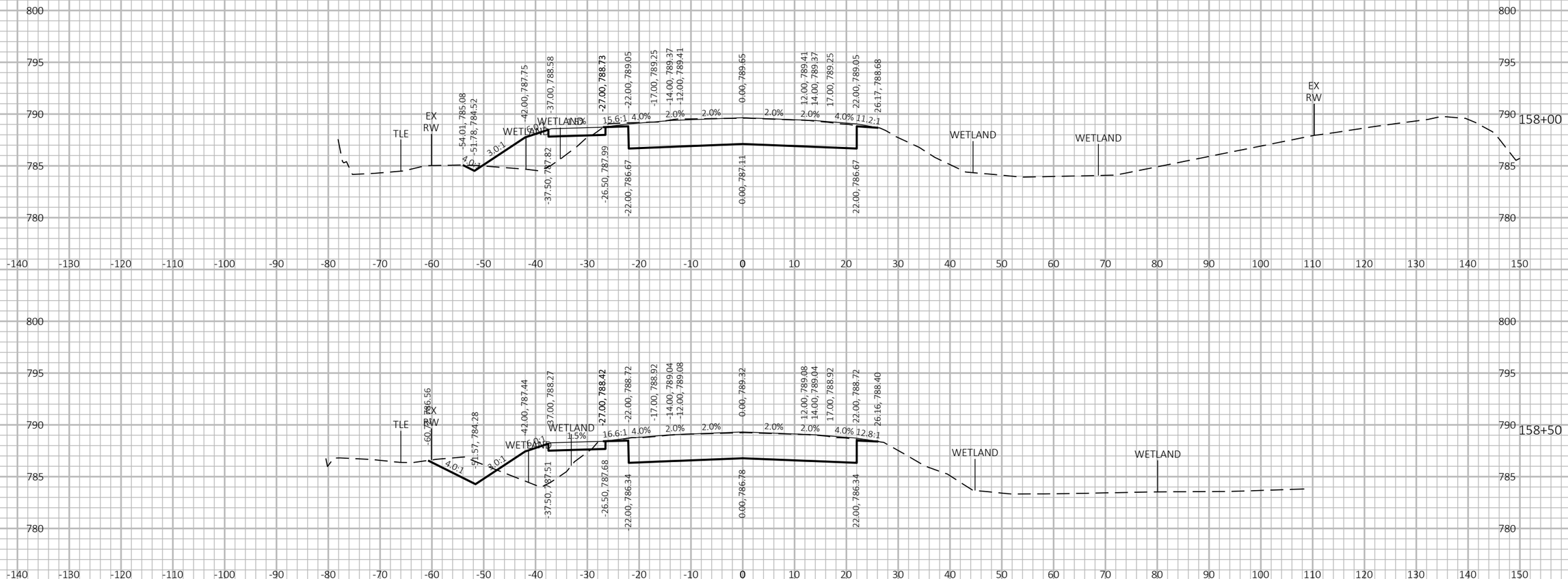


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 606	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090228-xs

PLOT DATE : 4/18/2024 10:56 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

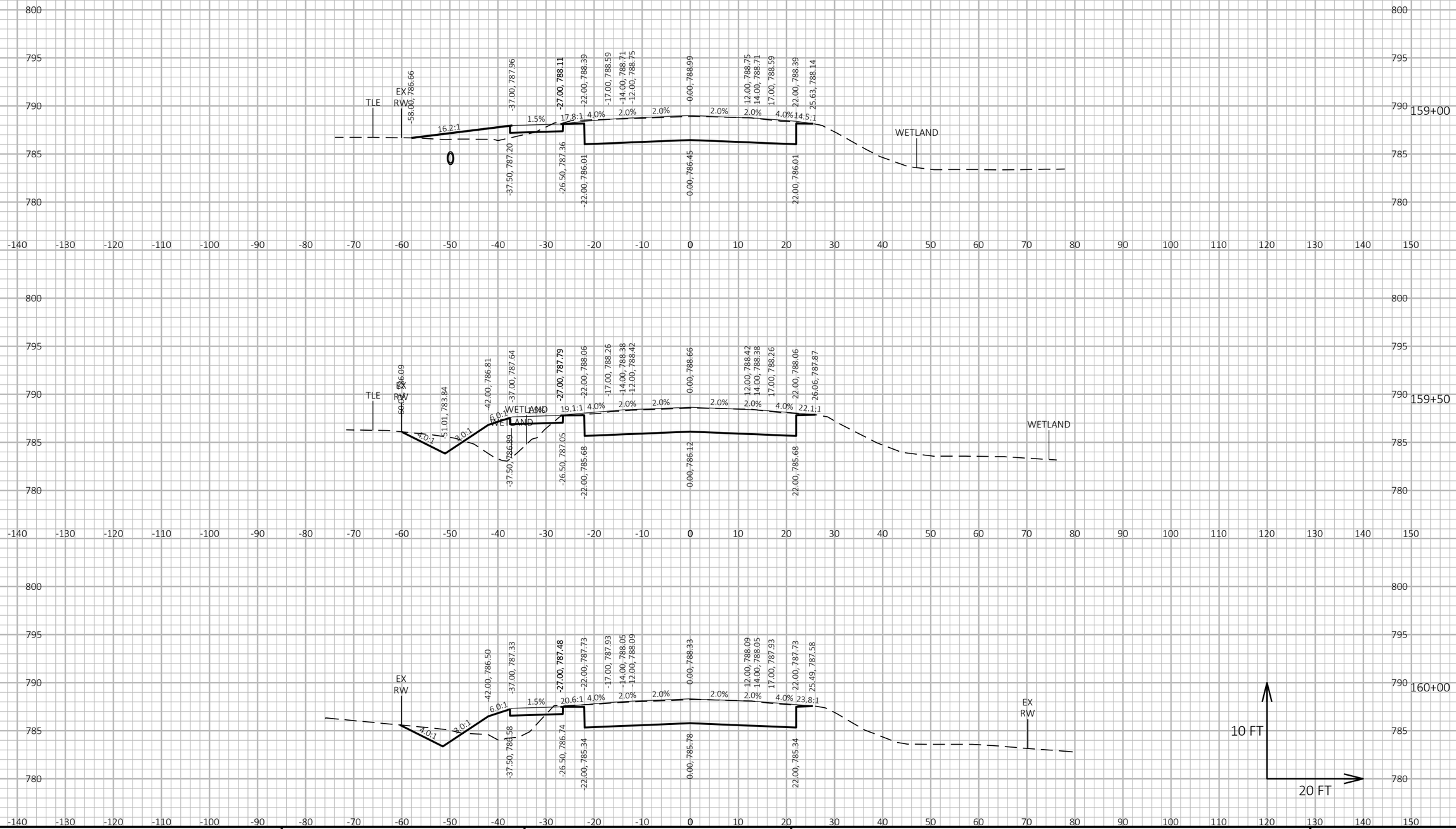


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 607 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090229-xs

PLOT DATE : 3/20/2024 12:04 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

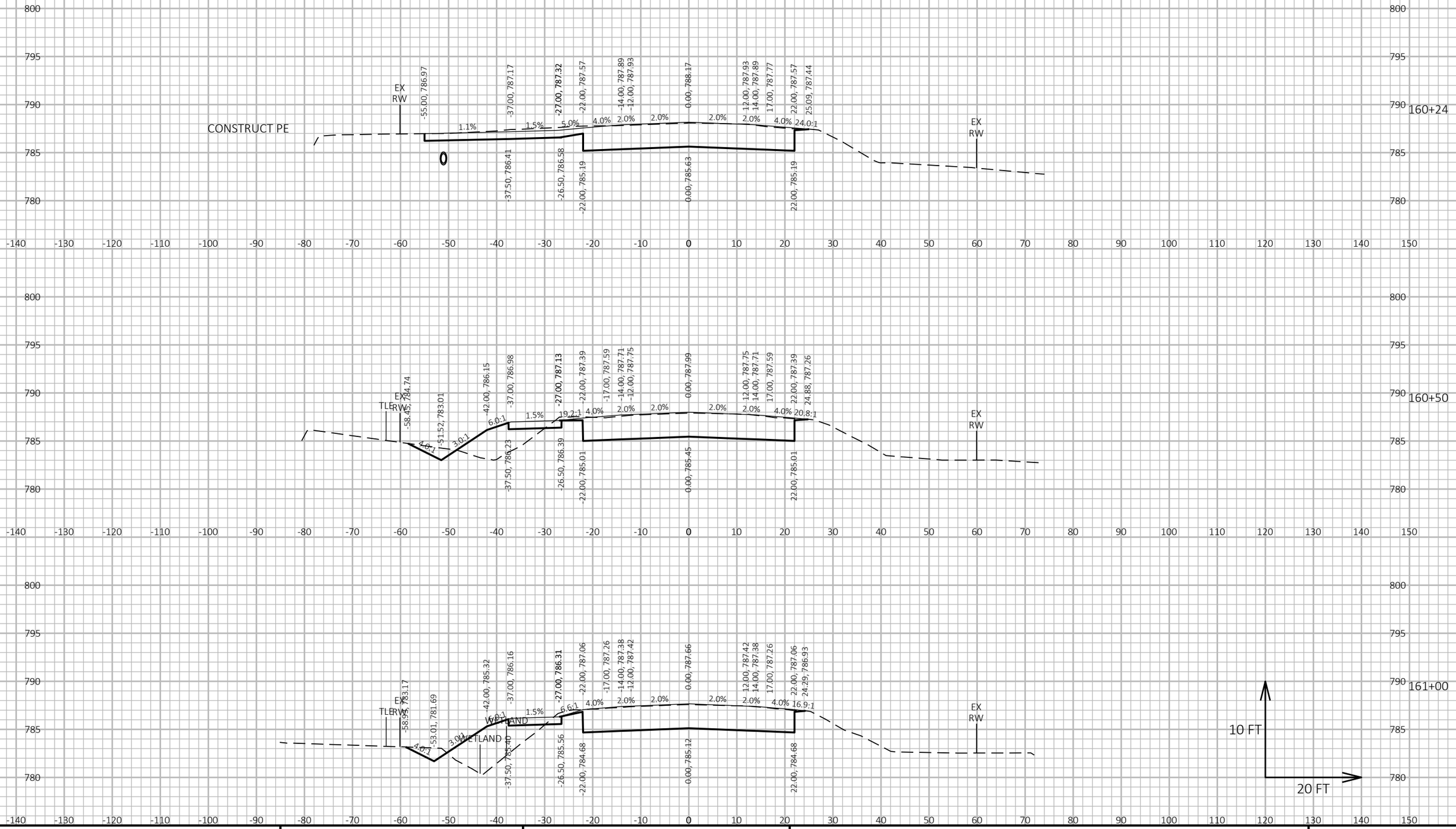


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 608 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090230-xs

PLOT DATE : 3/20/2024 12:16 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 609	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090231-xs

PLOT DATE : 3/20/2024 12:04 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

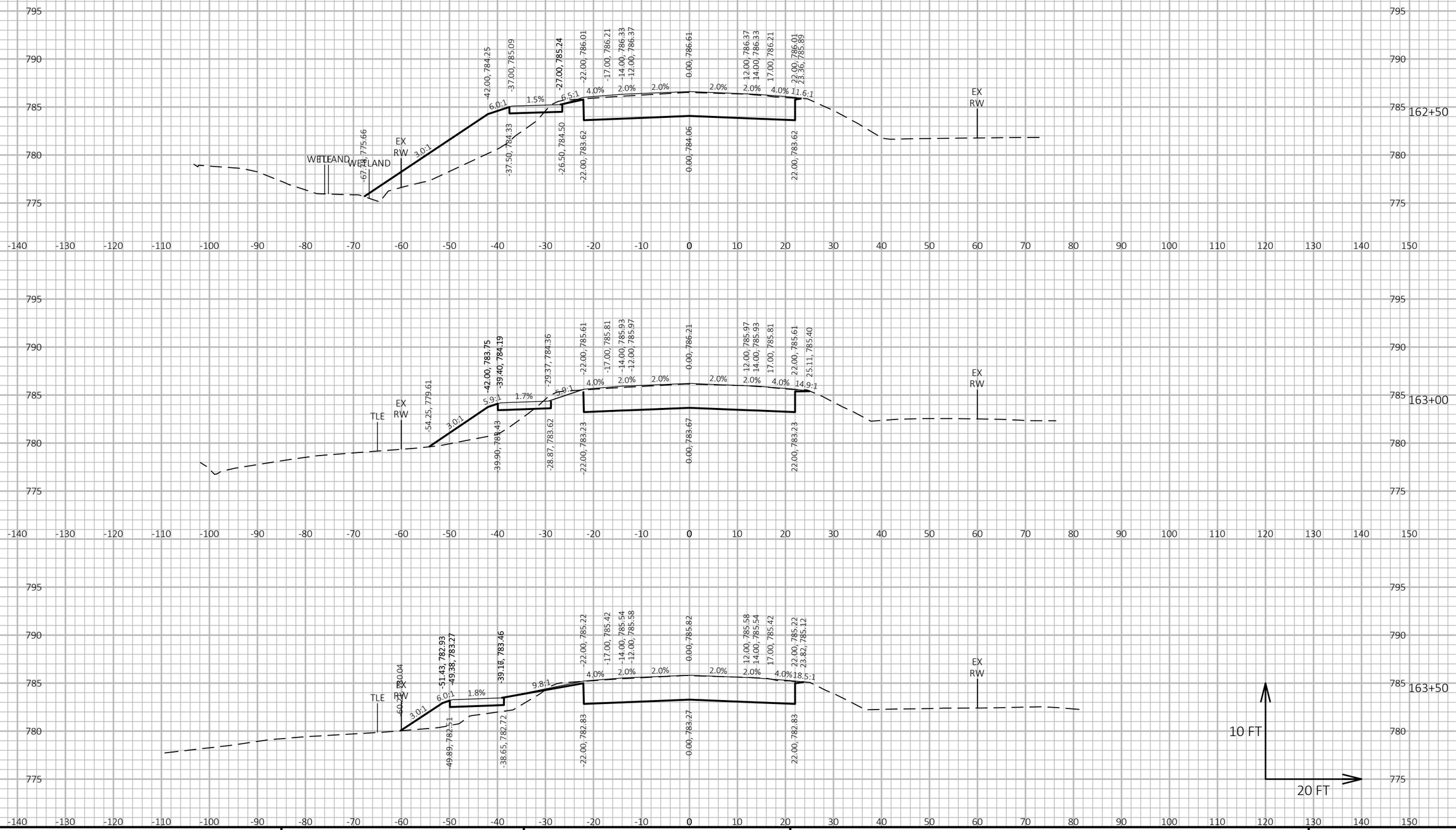
WISDOT/CADDS SHEET 49

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 610 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090232-xs

PLOT DATE : 4/19/2024 11:44 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

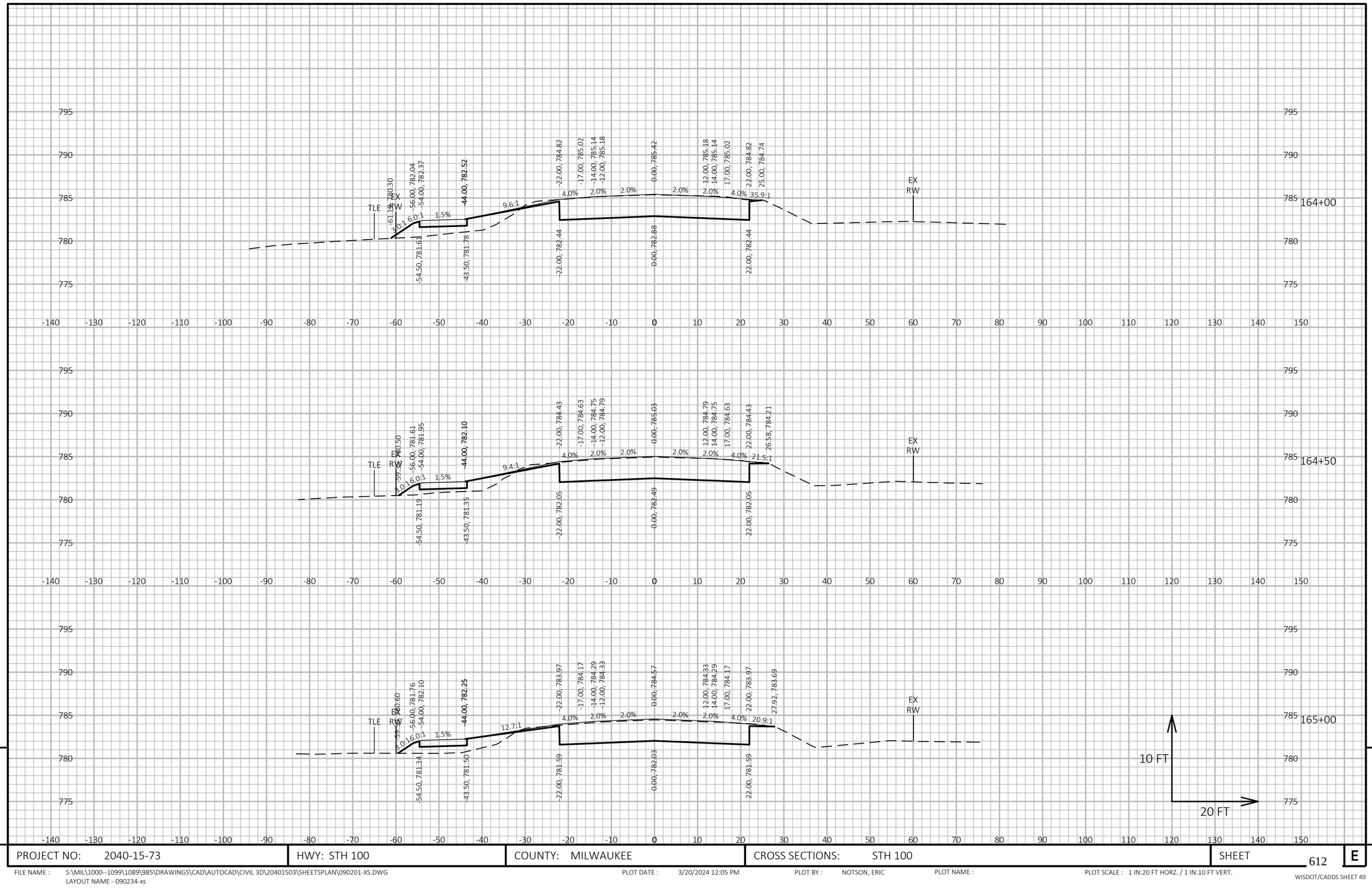
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 611	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090233-xs

PLOT DATE : 3/20/2024 12:04 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

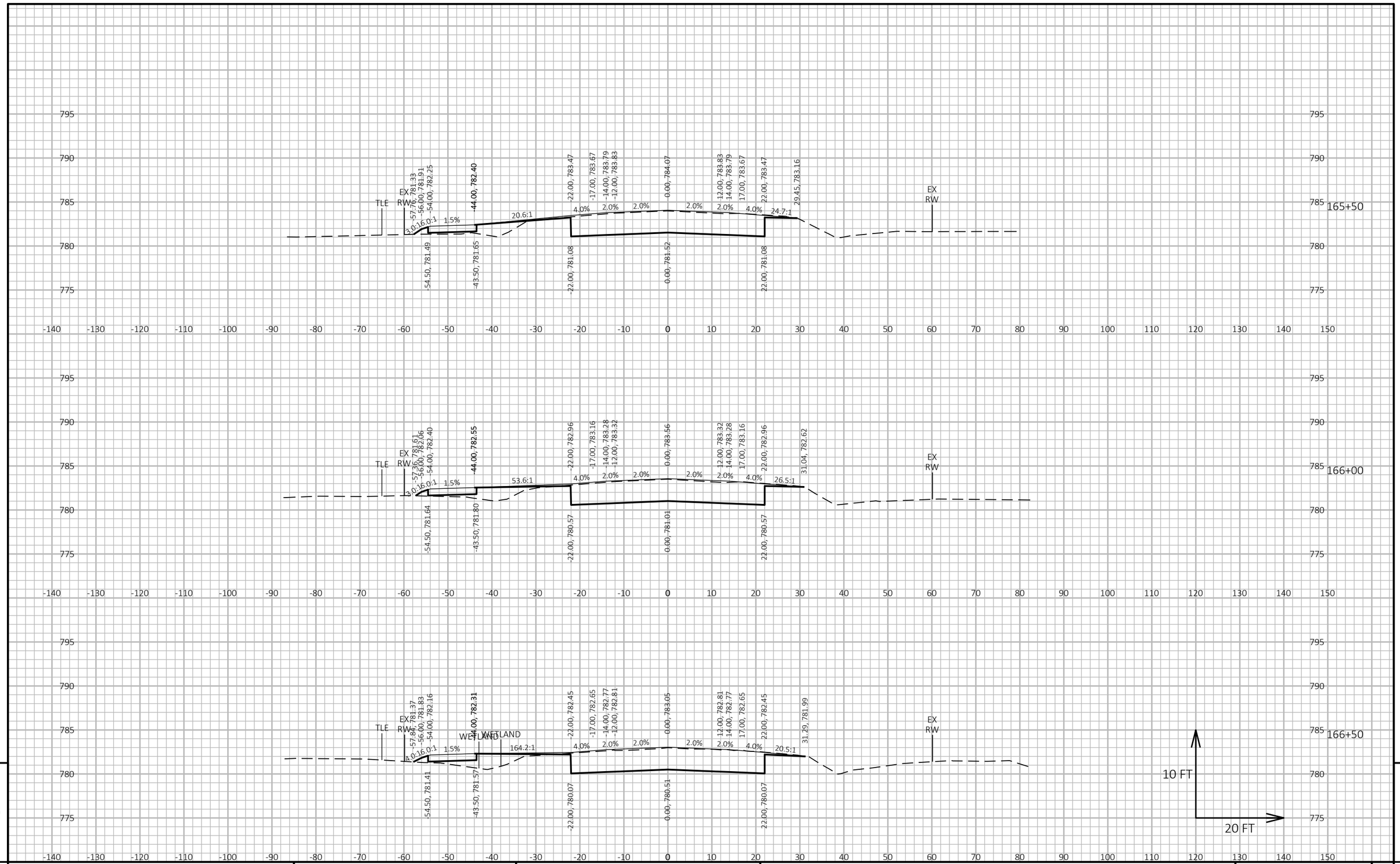


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 612	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090234-xs

PLOT DATE : 3/20/2024 12:05 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

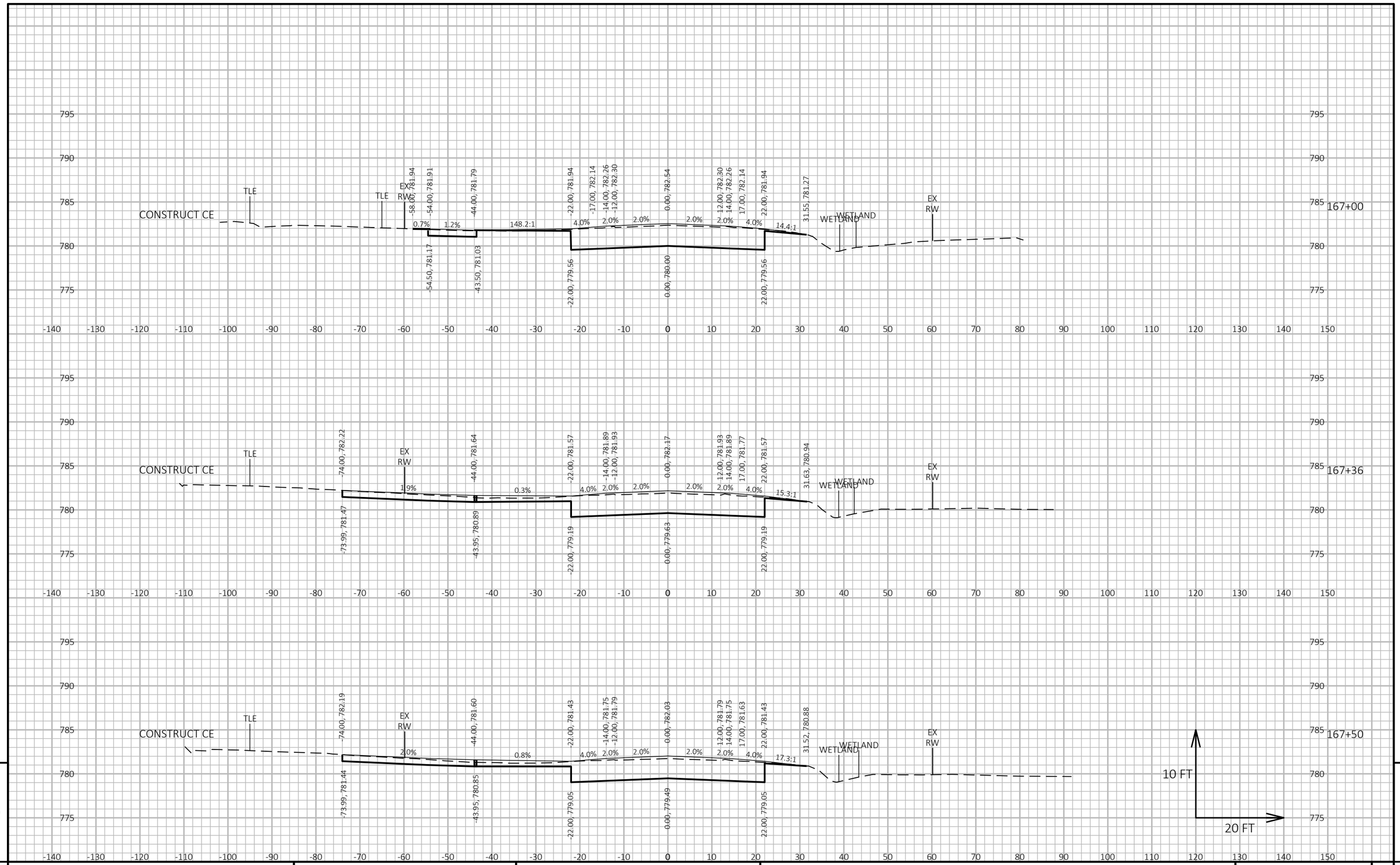
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 613	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090235-xs

PLOT DATE : 3/20/2024 12:05 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

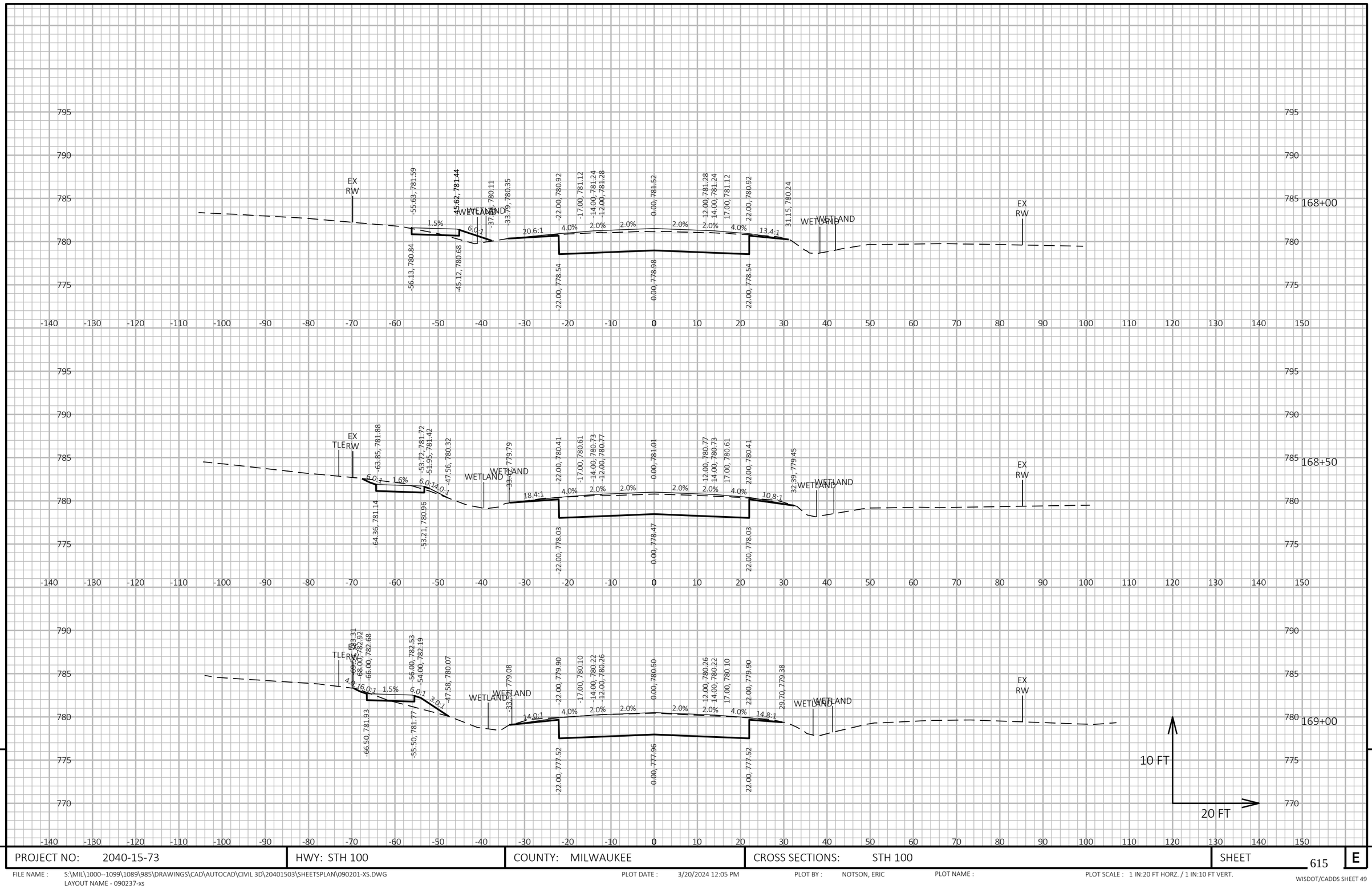
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 614	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090236-xs

PLOT DATE : 3/20/2024 12:05 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

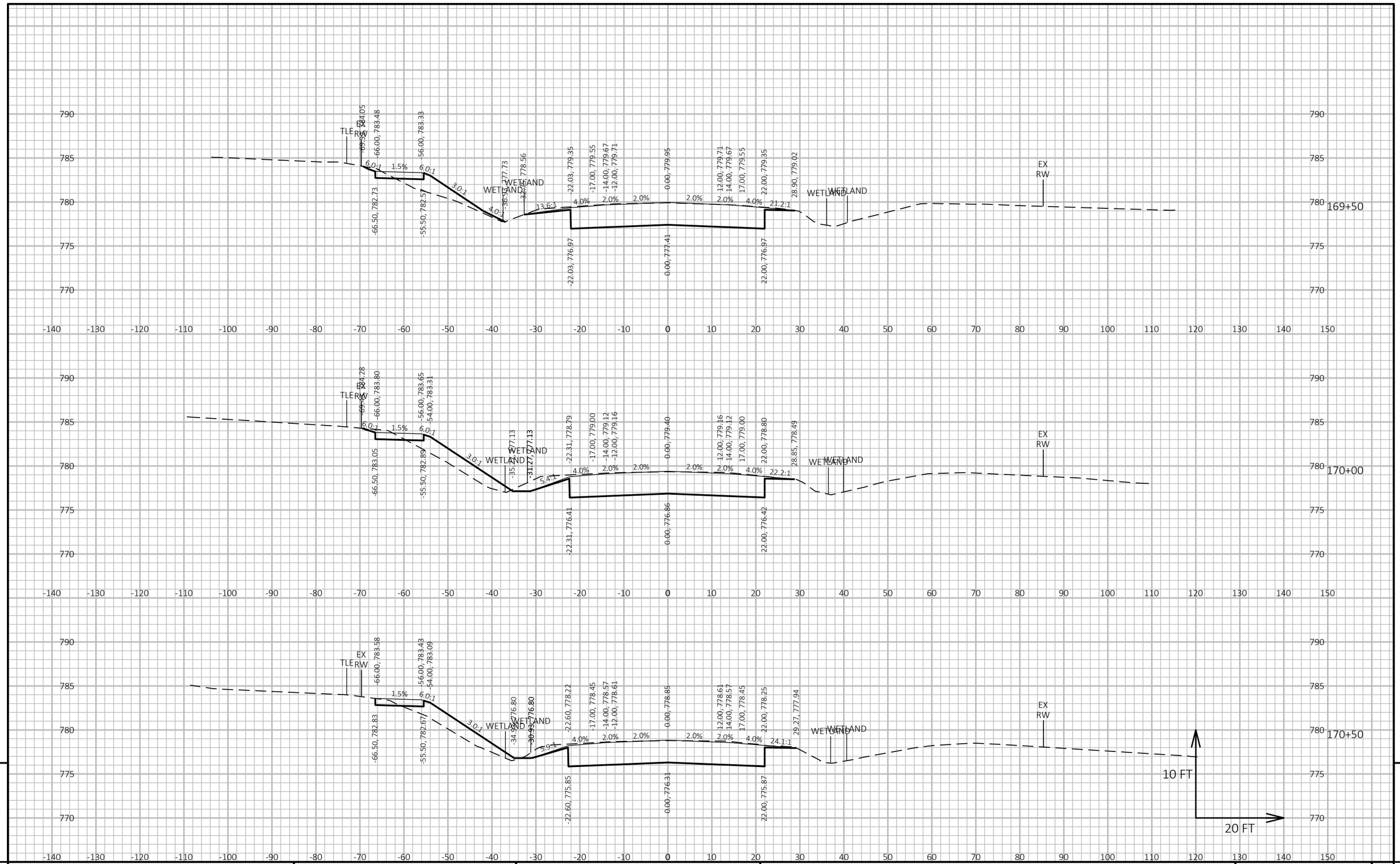
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 615	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090237-xs

PLOT DATE : 3/20/2024 12:05 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

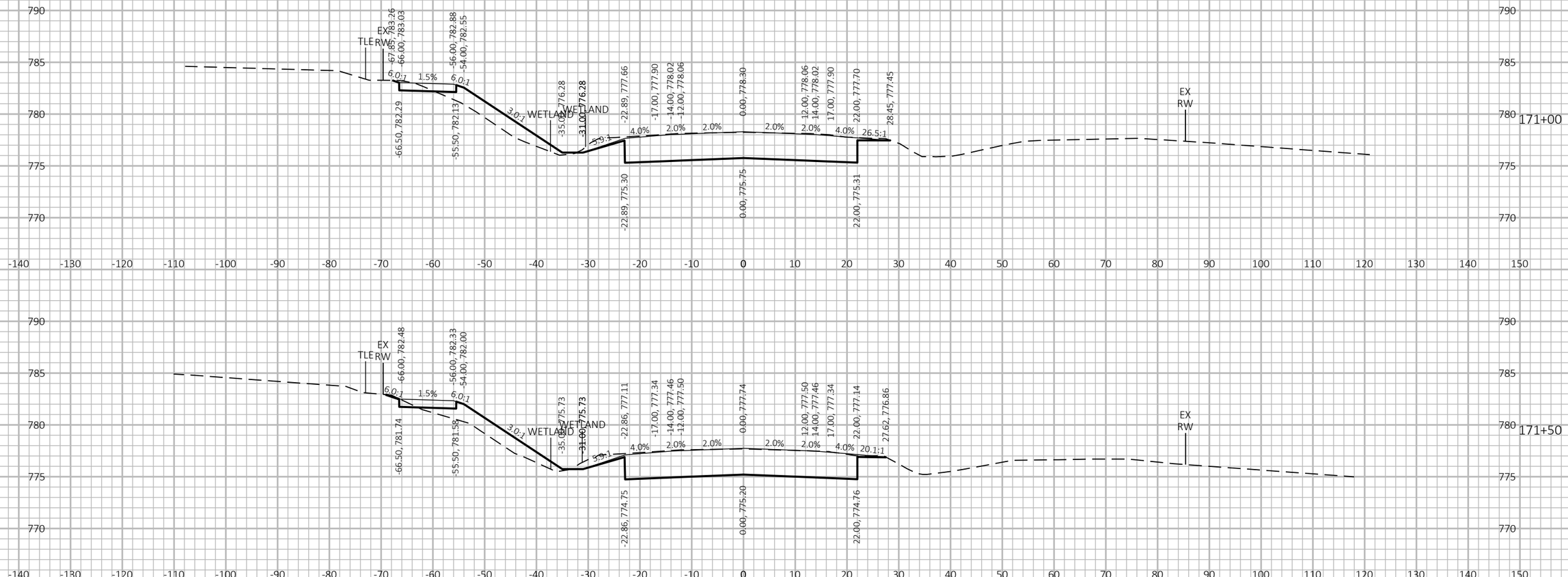


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 616 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090238-xs

PLOT DATE : 3/20/2024 12:05 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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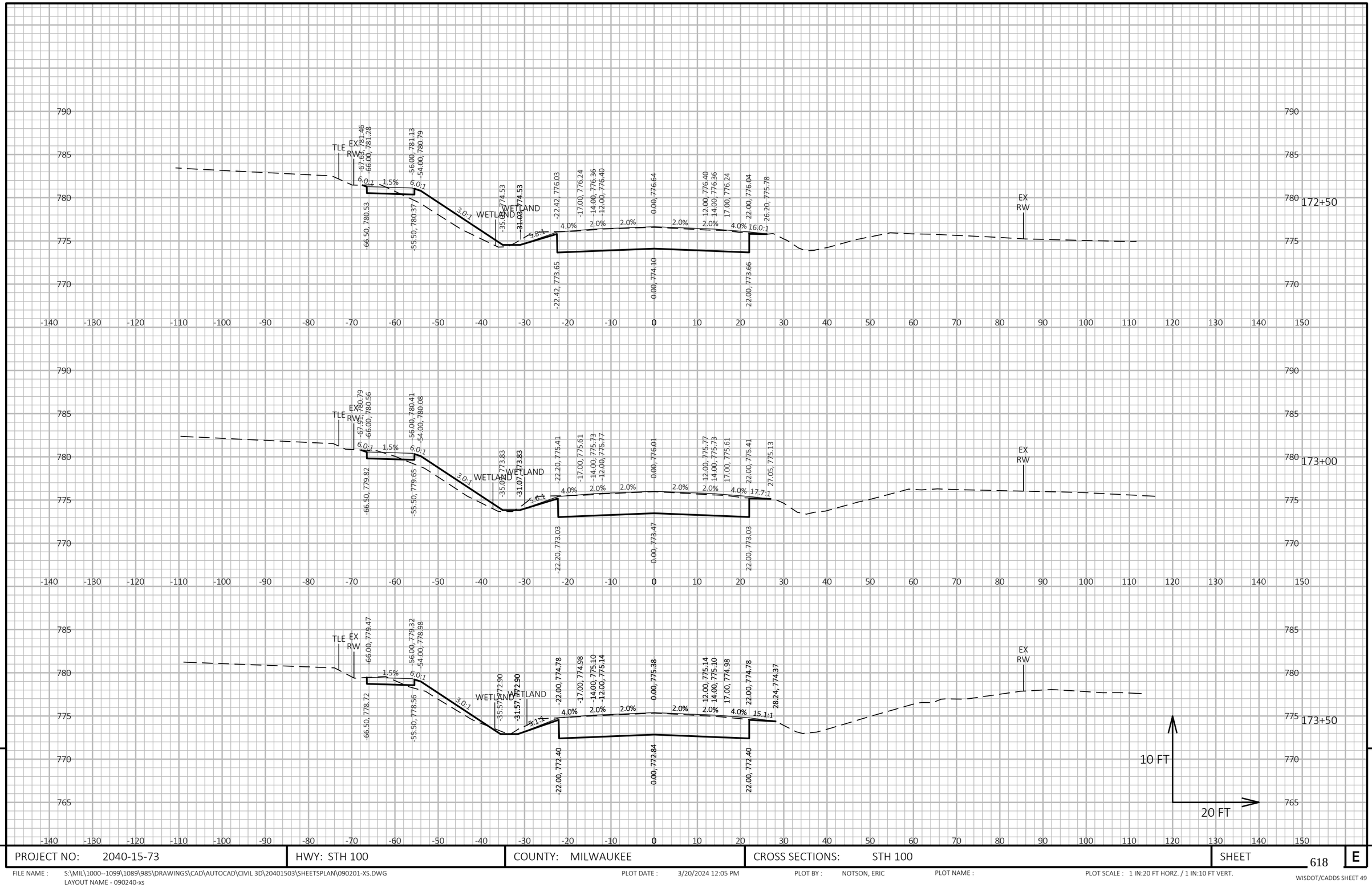
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 617	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090239-xs

PLOT DATE : 3/20/2024 12:05 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

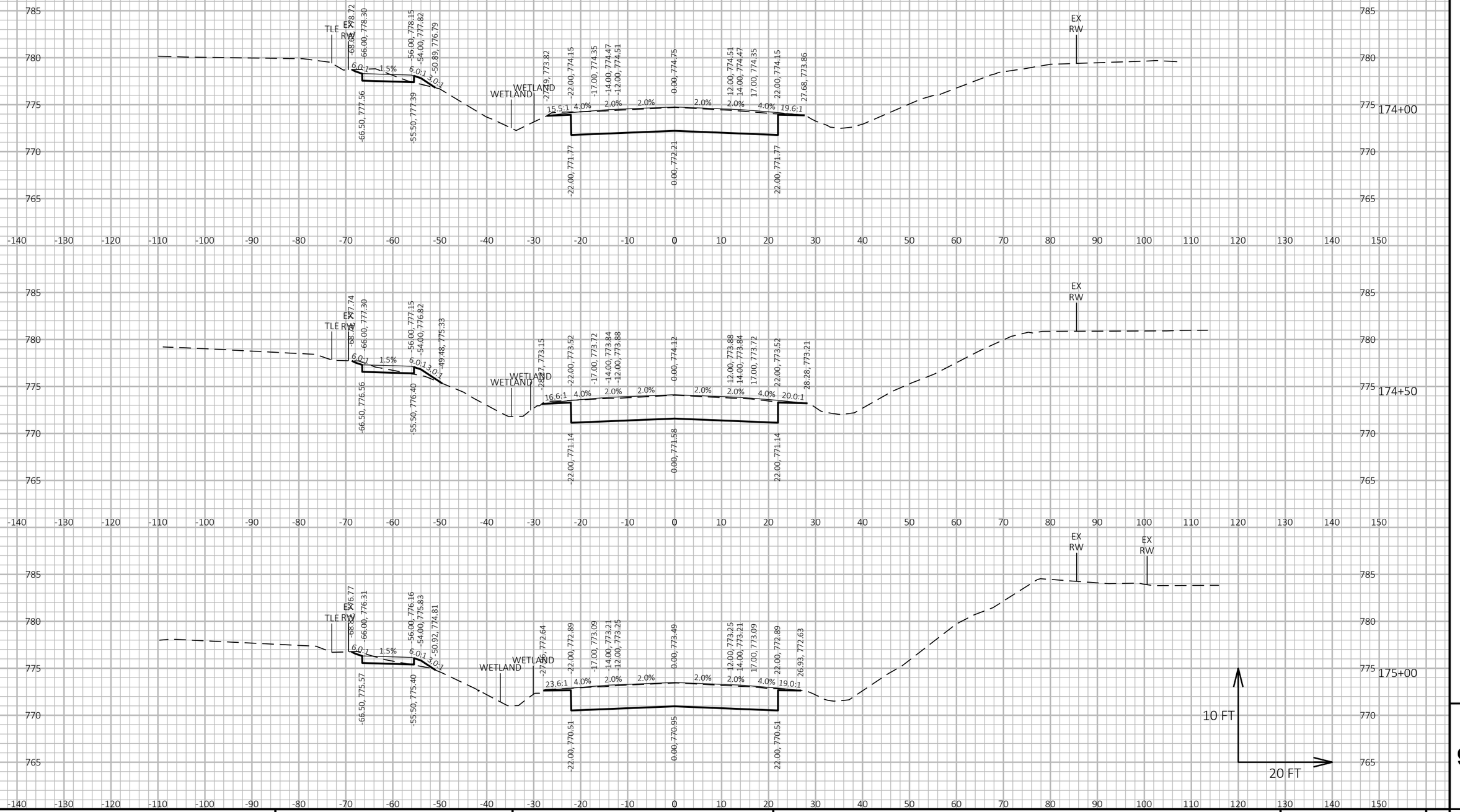


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 618 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090240-xs

PLOT DATE : 3/20/2024 12:05 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

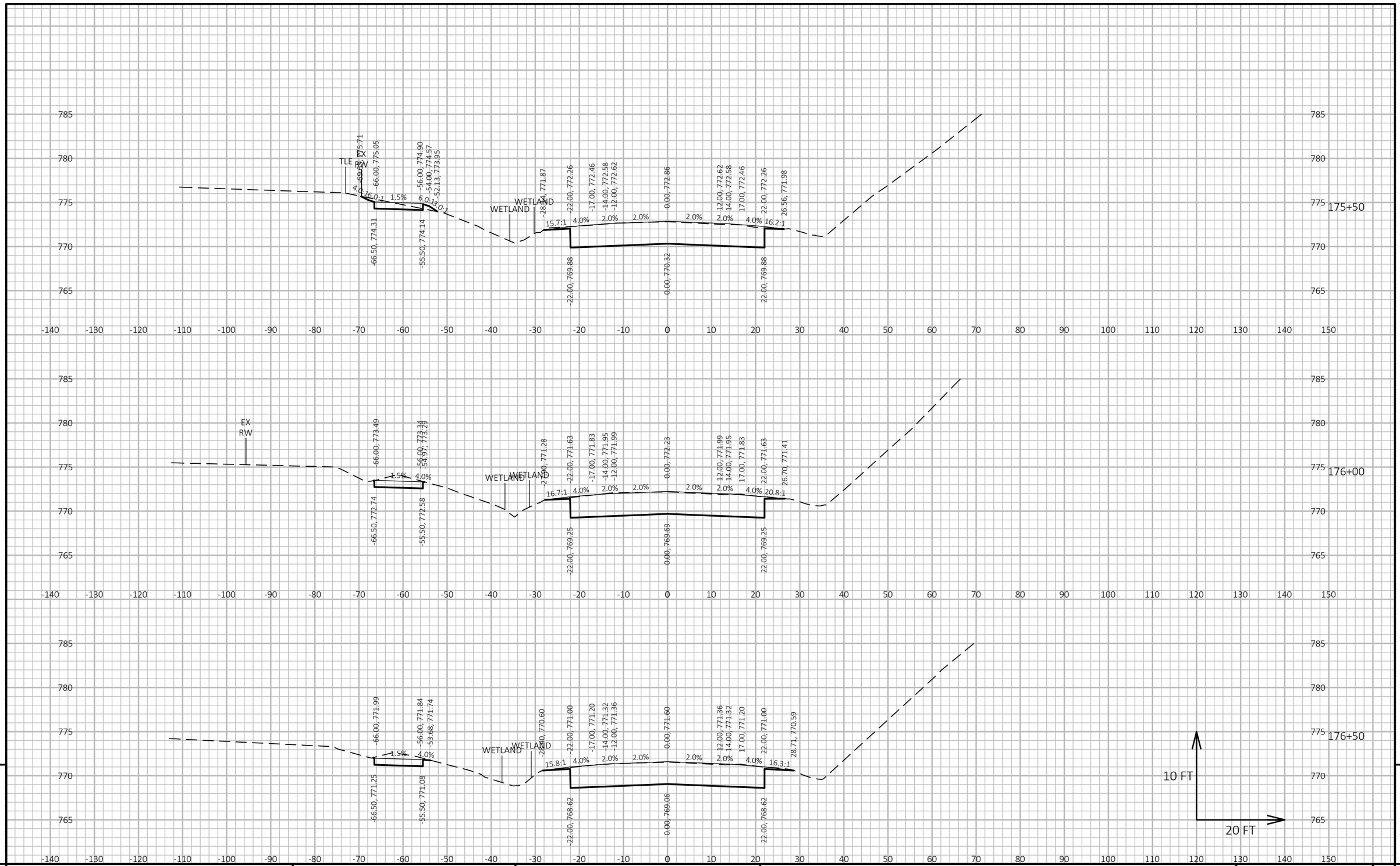


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 619 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090241-xs

PLOT DATE : 3/20/2024 12:05 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



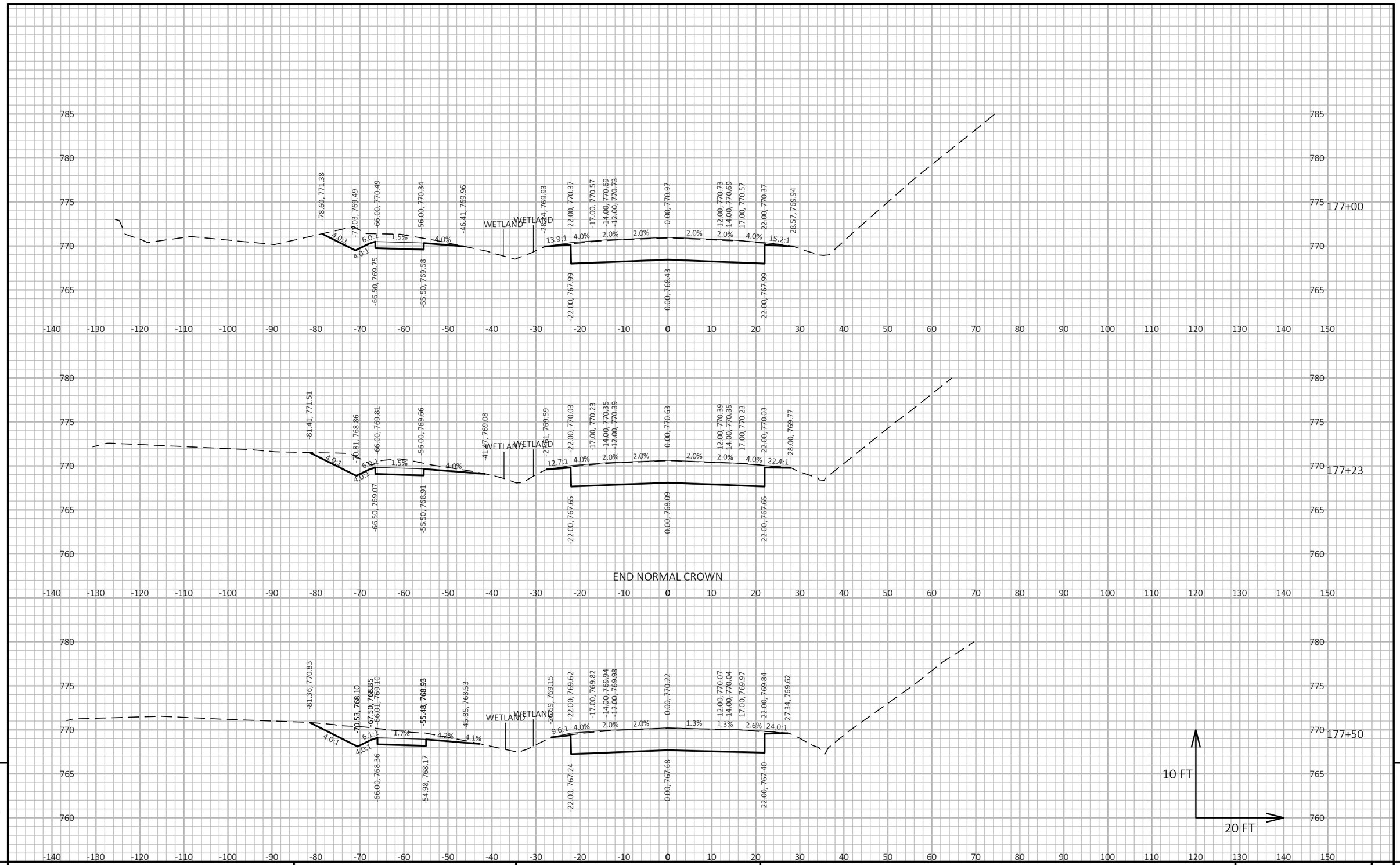
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 620	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090242-xs

PLOT DATE : 3/20/2024 12:05 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



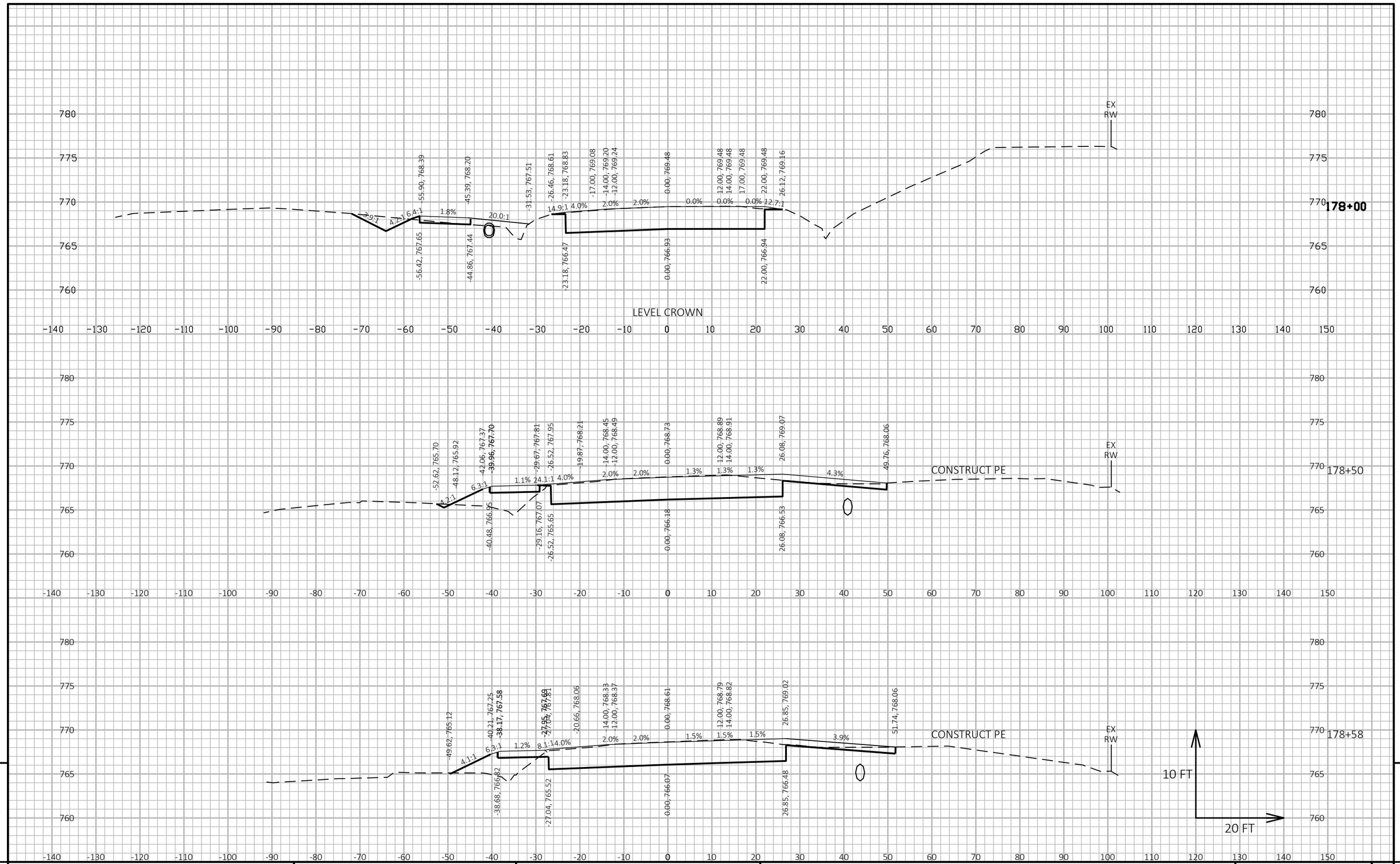
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 621	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090243-xs

PLOT DATE : 3/20/2024 12:05 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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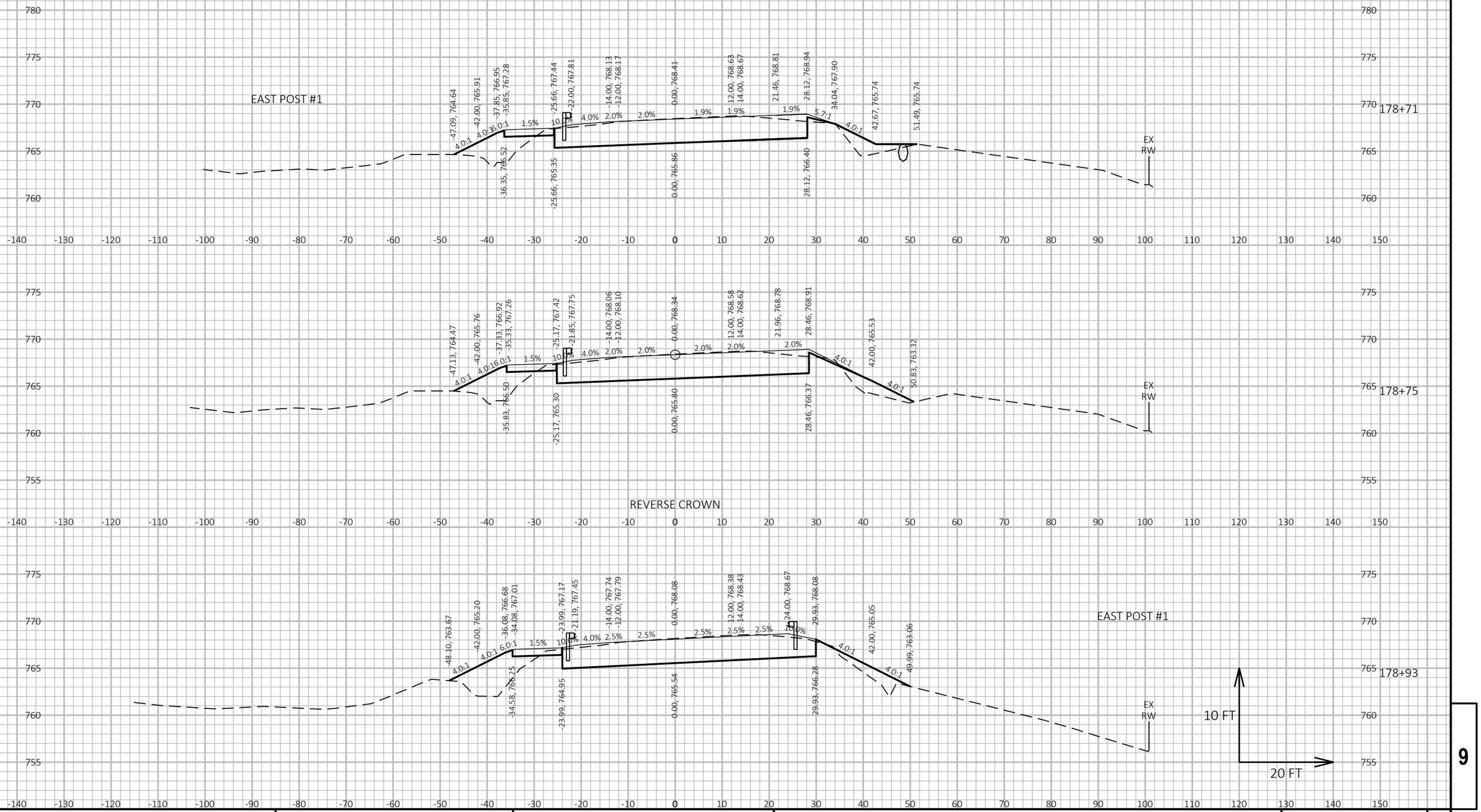
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 622	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090244-xs

PLOT DATE : 4/2/2024 8:19 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

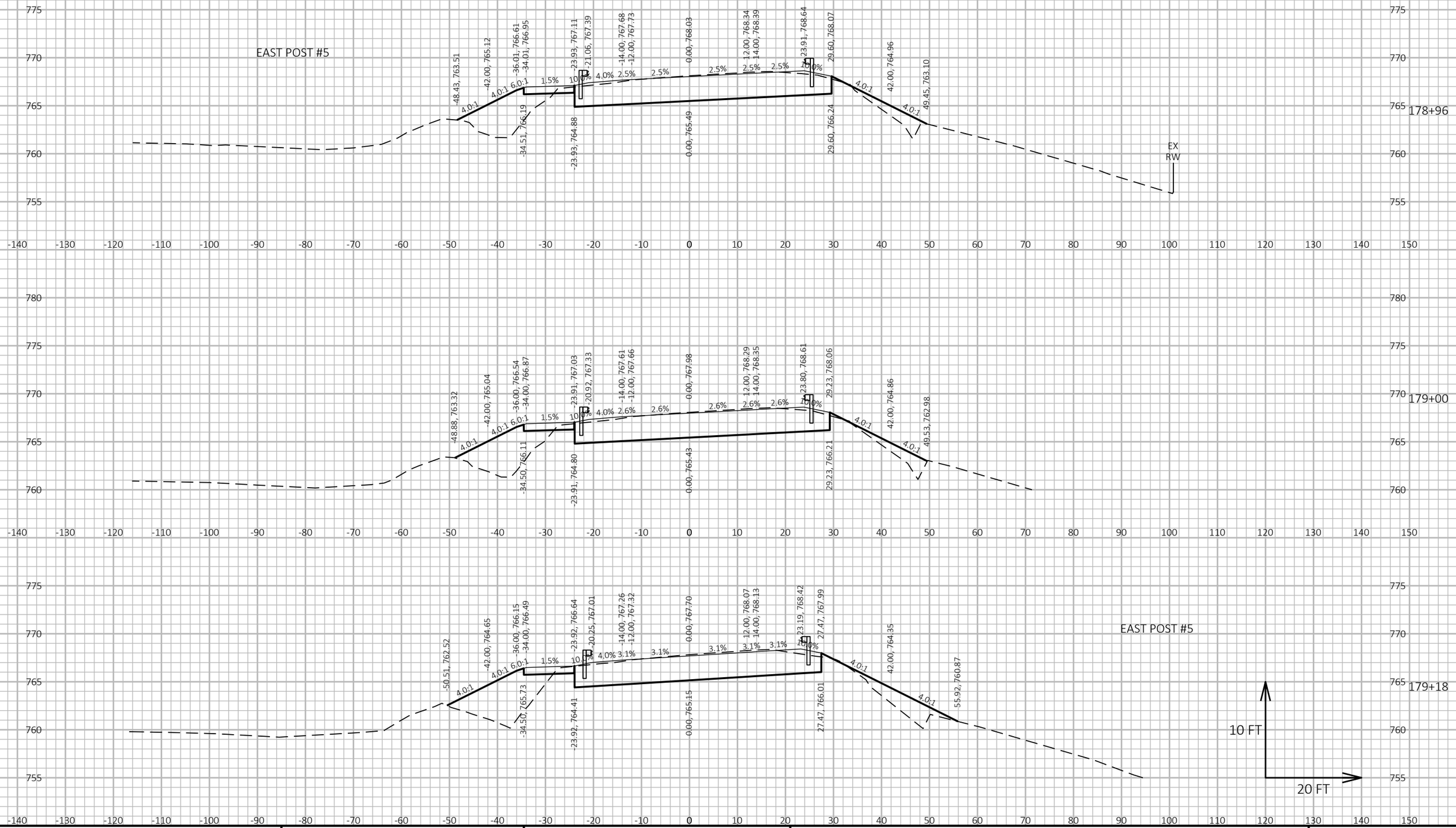


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 623	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090245-xs

PLOT DATE : 4/2/2024 8:20 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

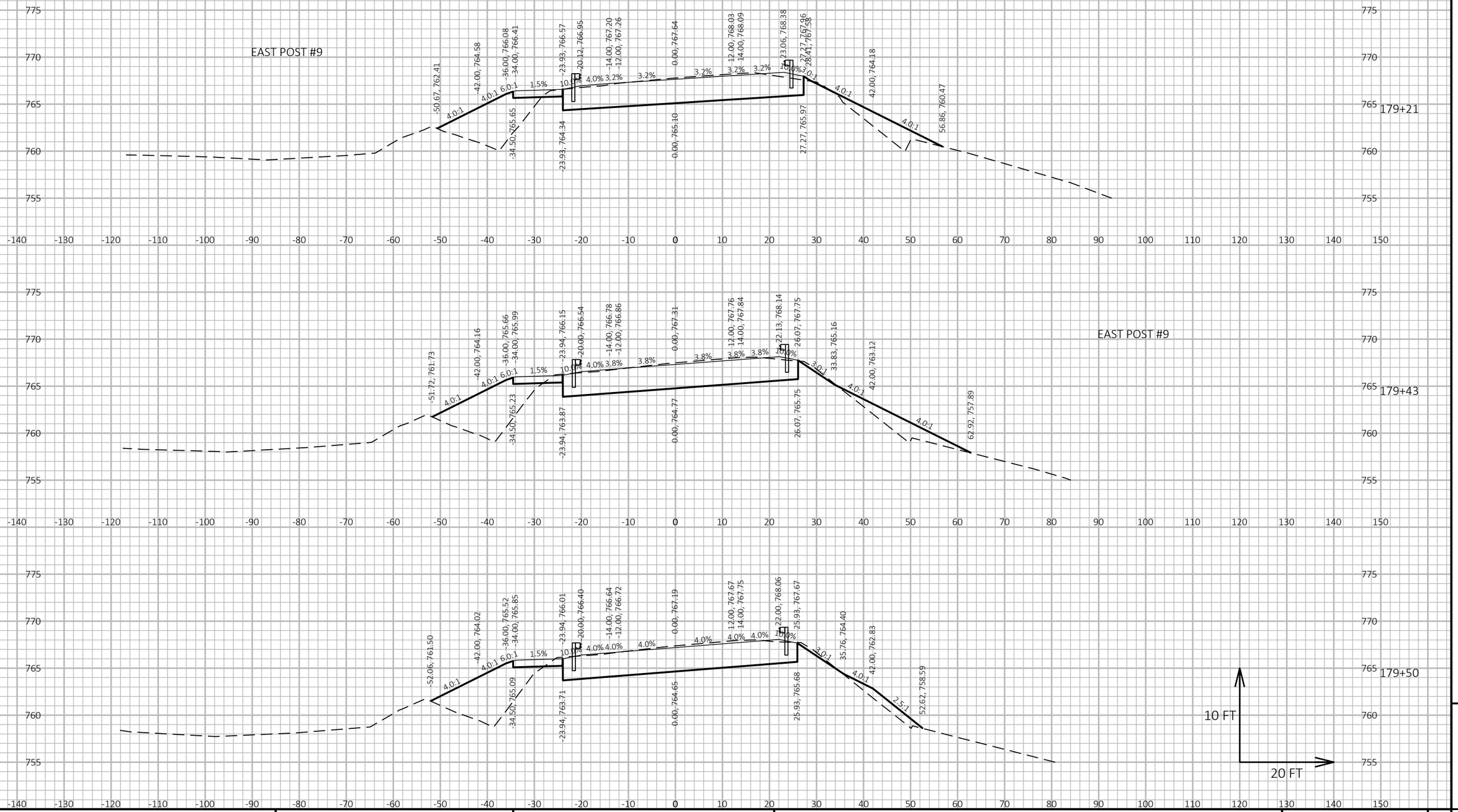
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 624	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090246-xs

PLOT DATE : 3/20/2024 12:05 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

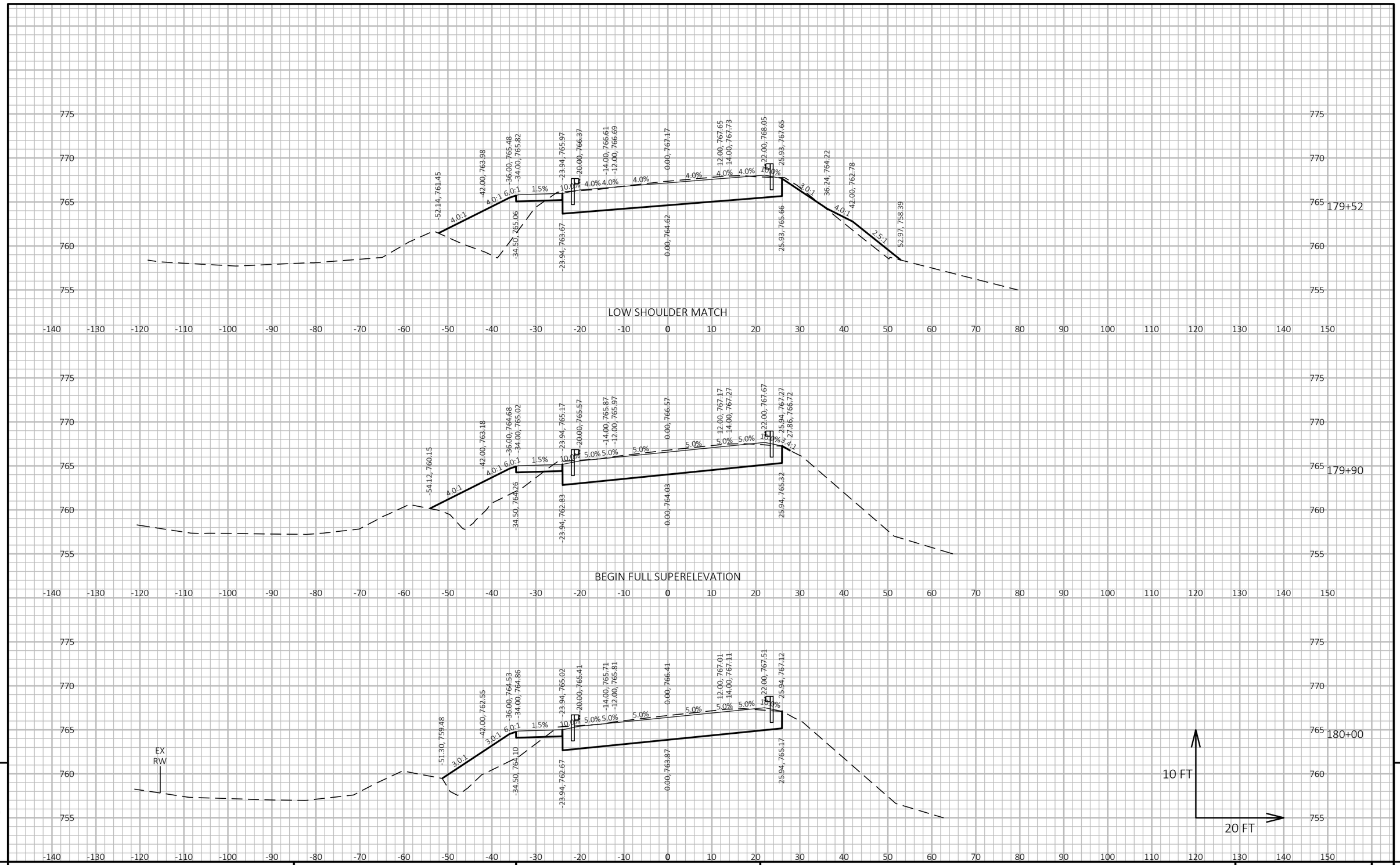
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 625	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090247-xs

PLOT DATE : 3/20/2024 12:05 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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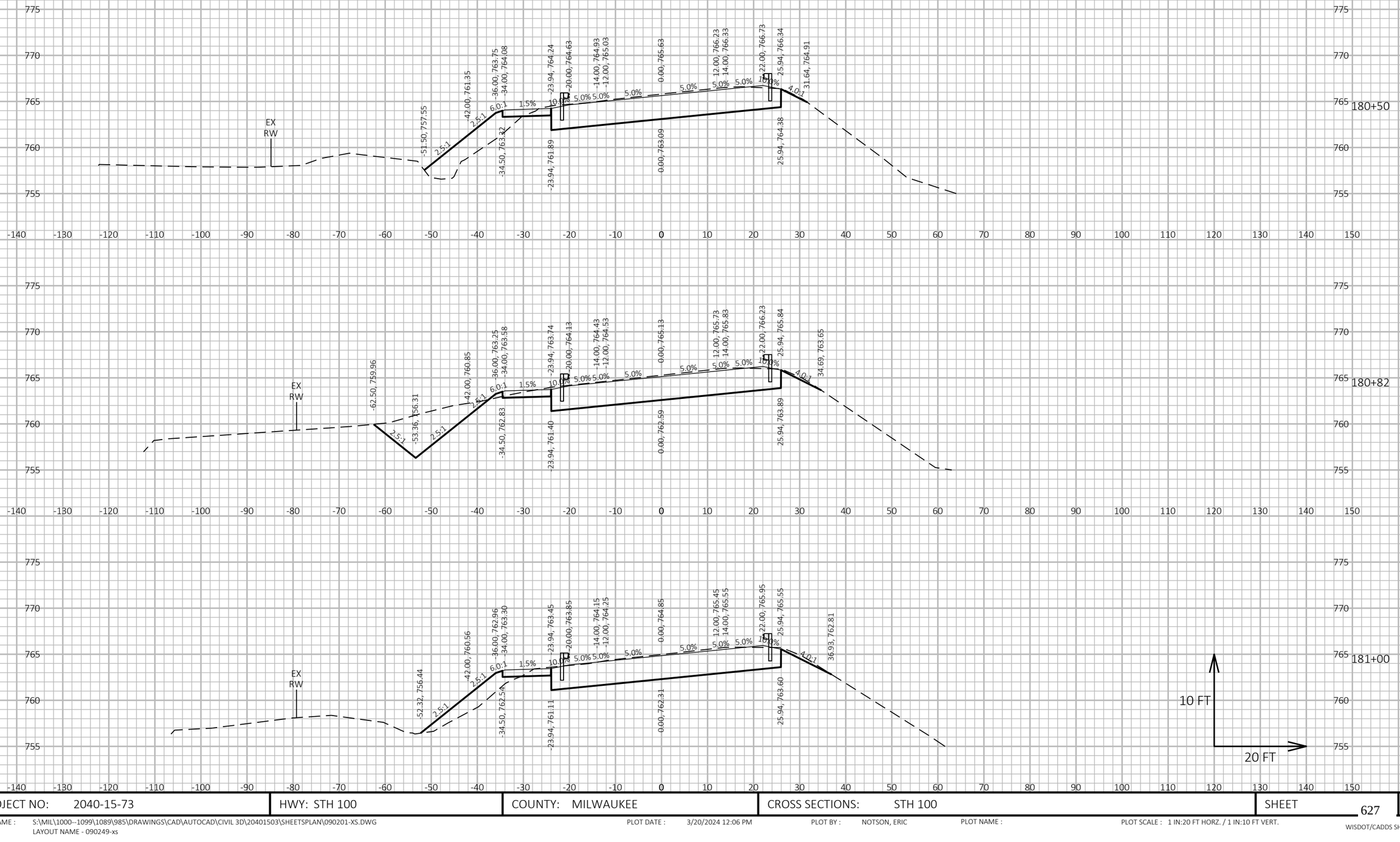
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 626	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090248-xs

PLOT DATE : 3/20/2024 12:05 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

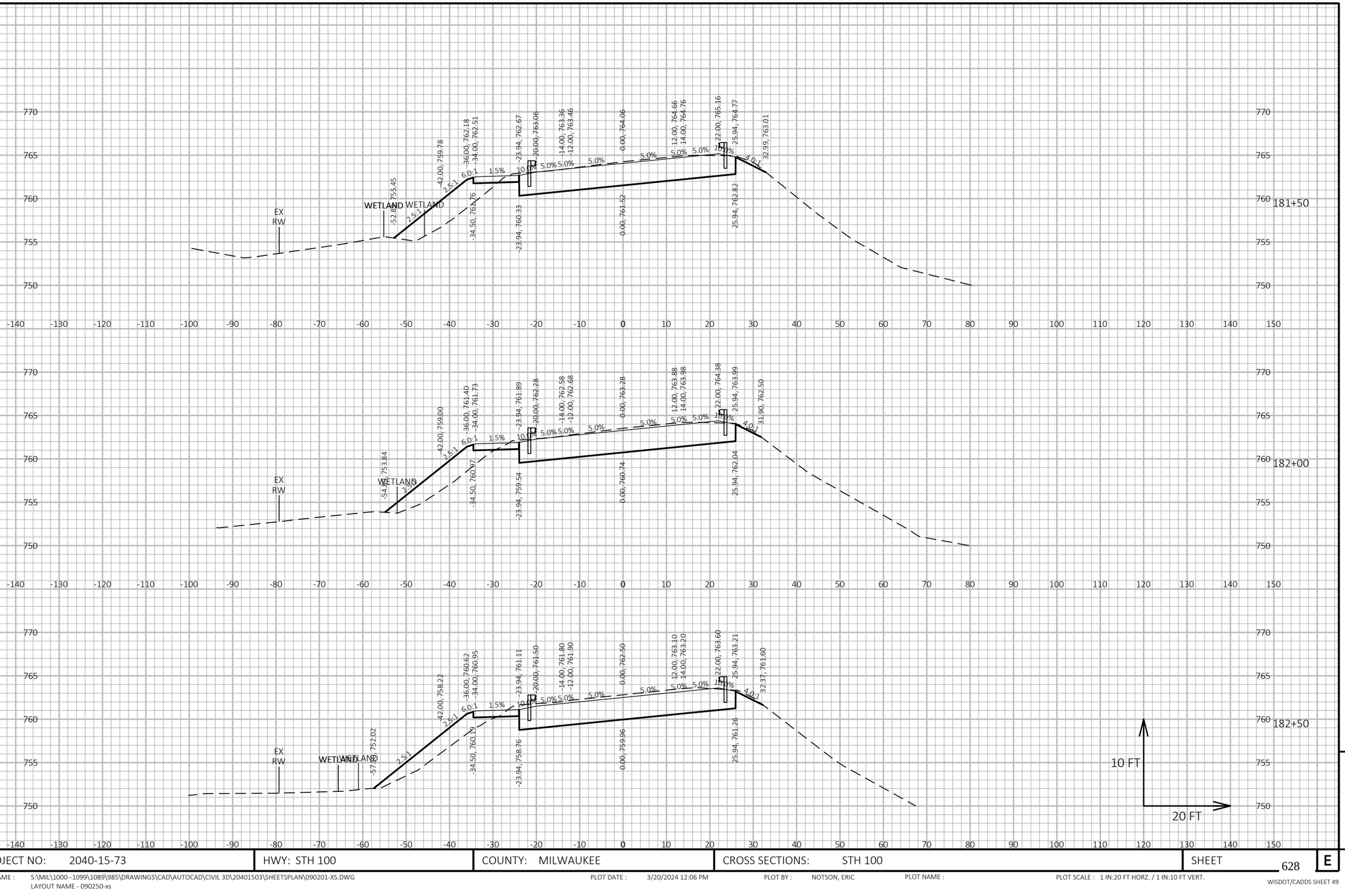
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 627 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090249-xs

PLOT DATE : 3/20/2024 12:06 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

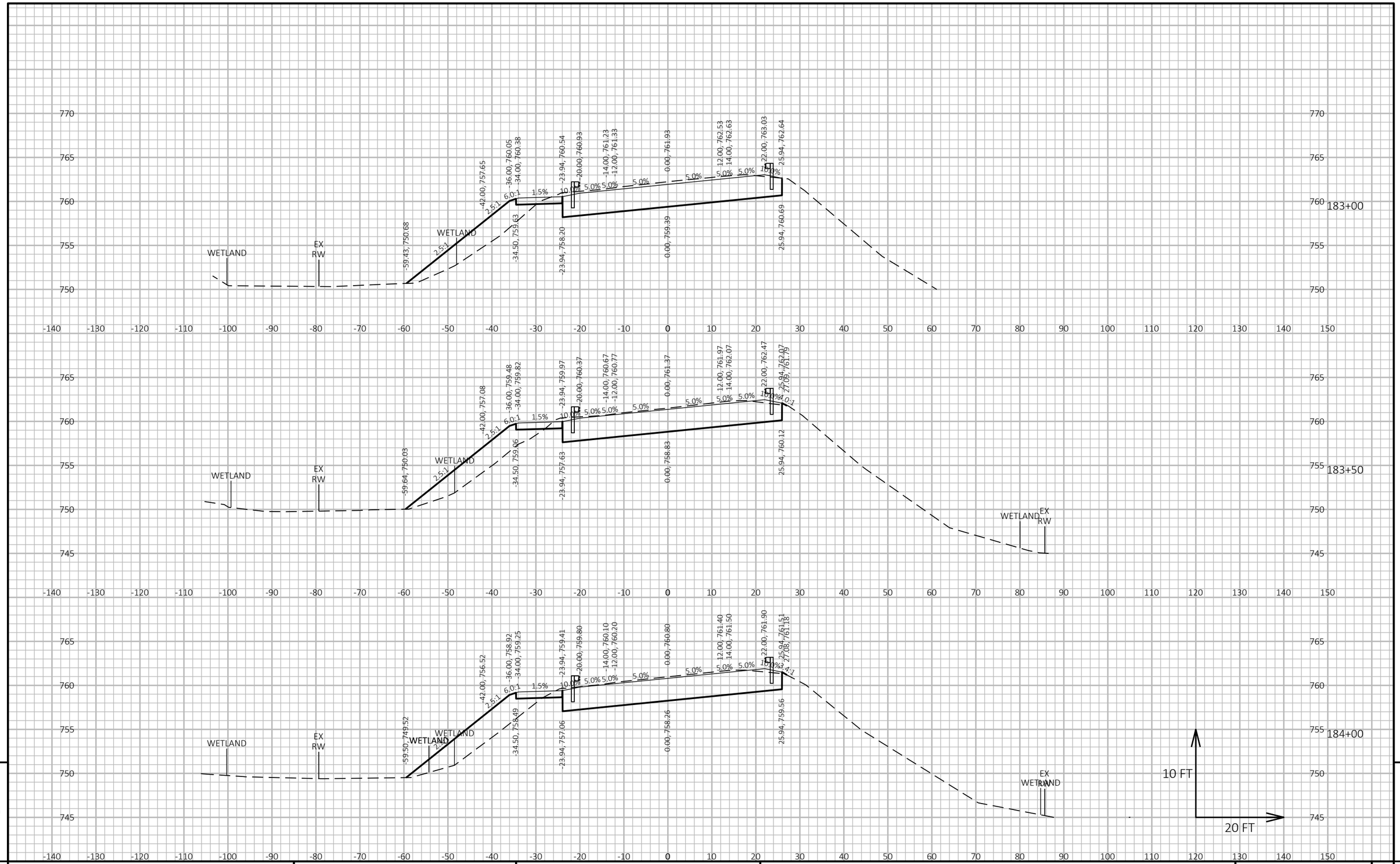


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 628 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090250-xs

PLOT DATE : 3/20/2024 12:06 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

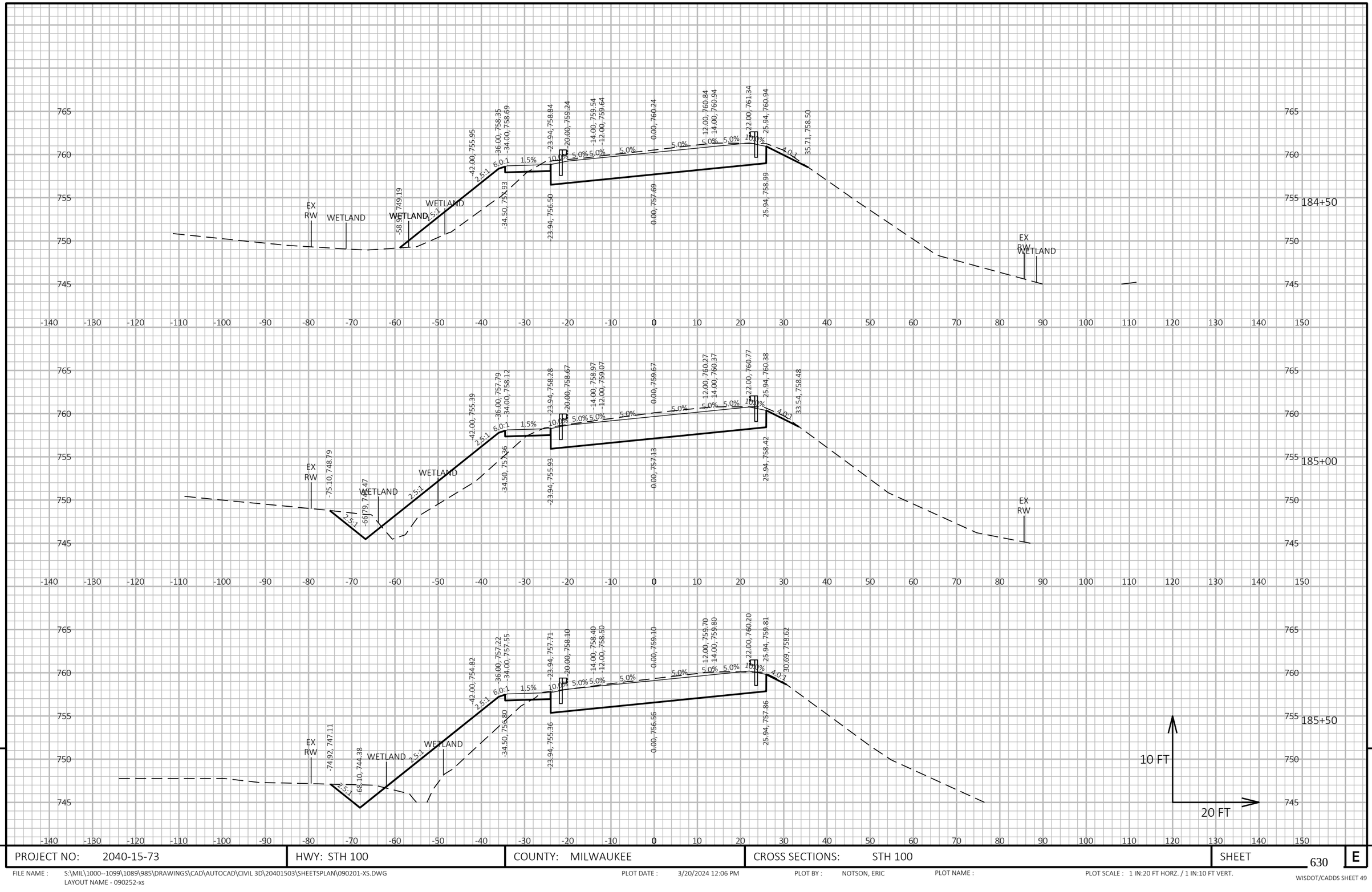
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 629	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090251-xs

PLOT DATE : 3/20/2024 12:06 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

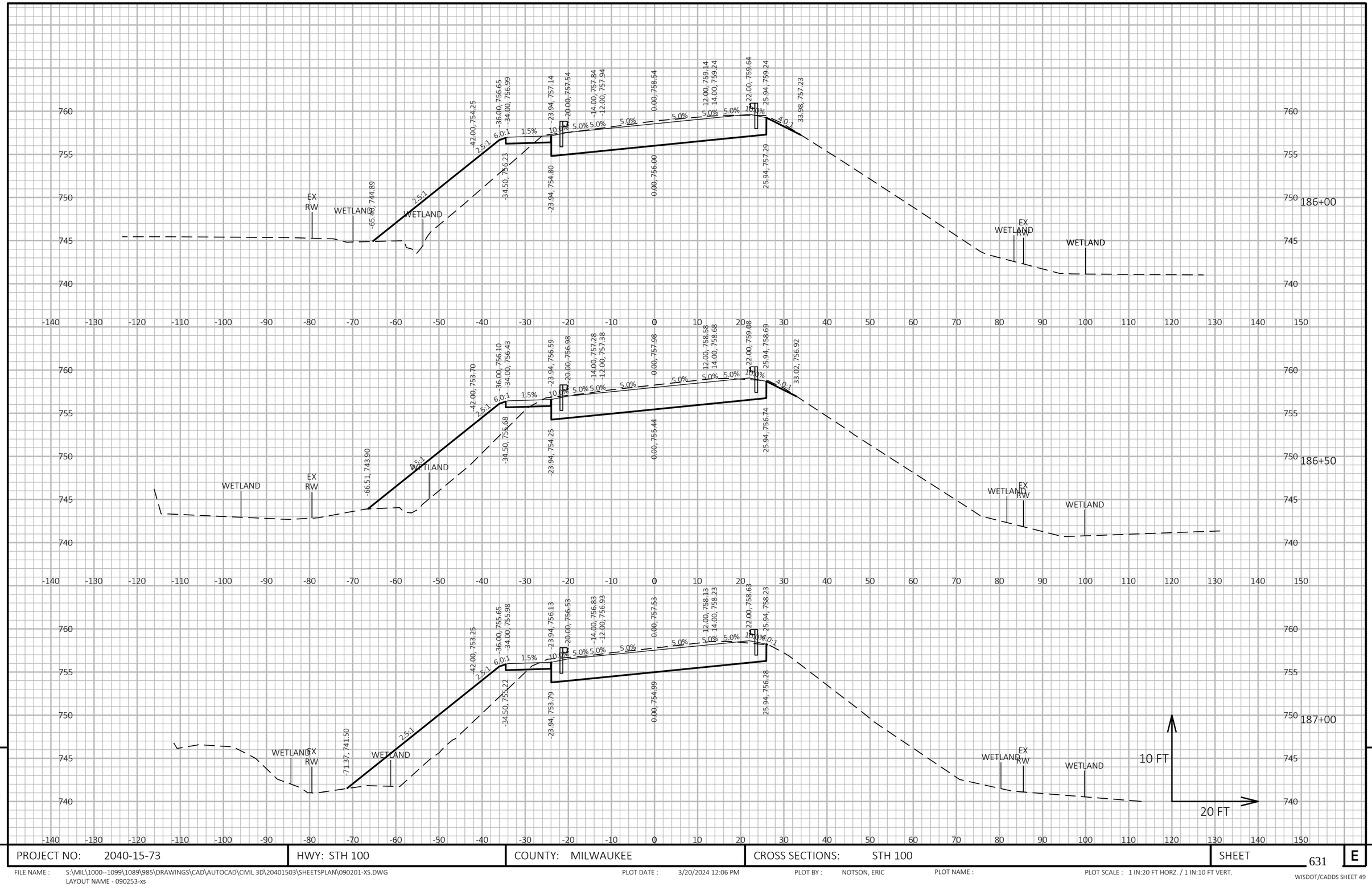


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 630 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090252-xs

PLOT DATE : 3/20/2024 12:06 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

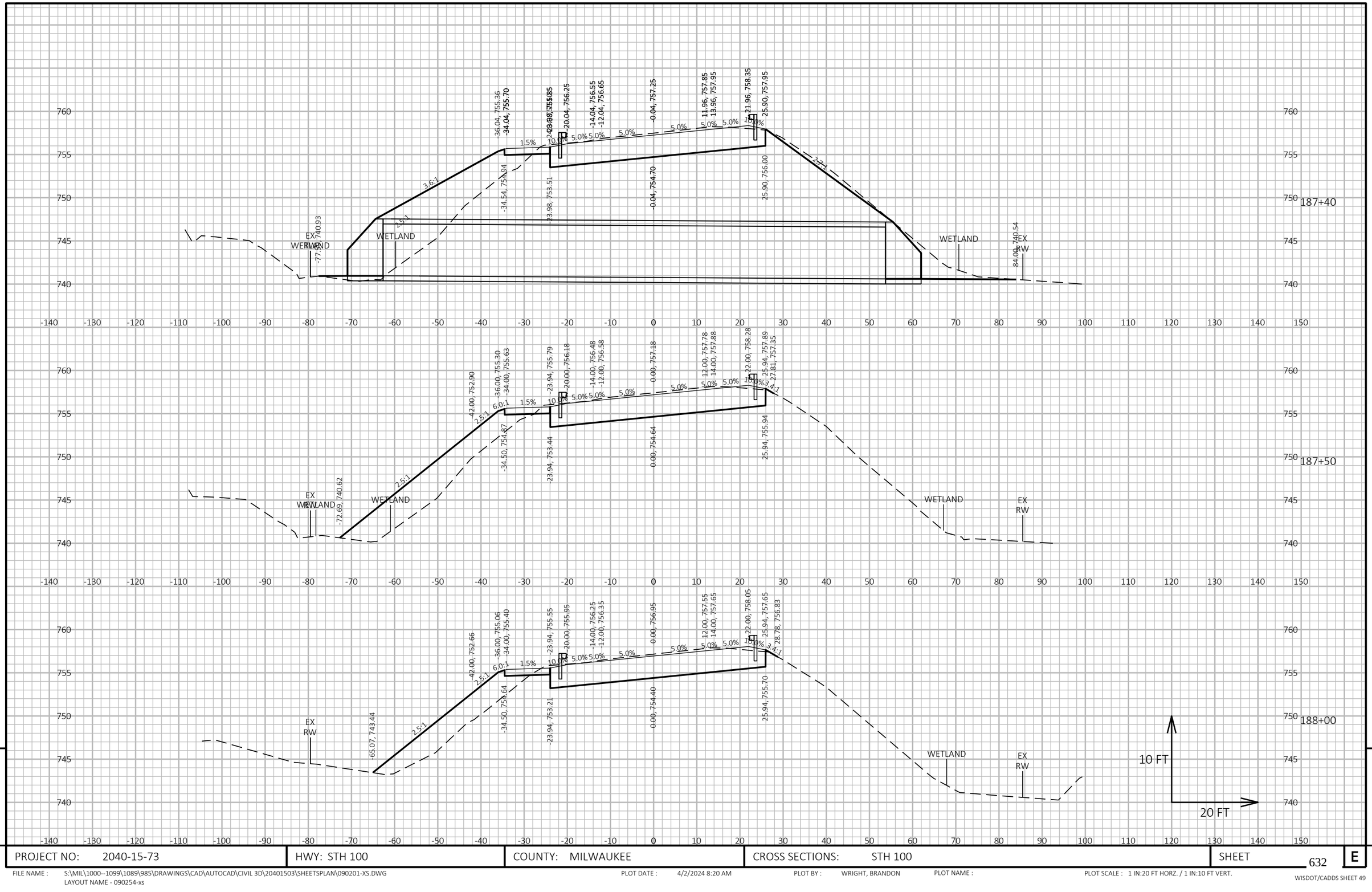


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 631 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090253-xs

PLOT DATE : 3/20/2024 12:06 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

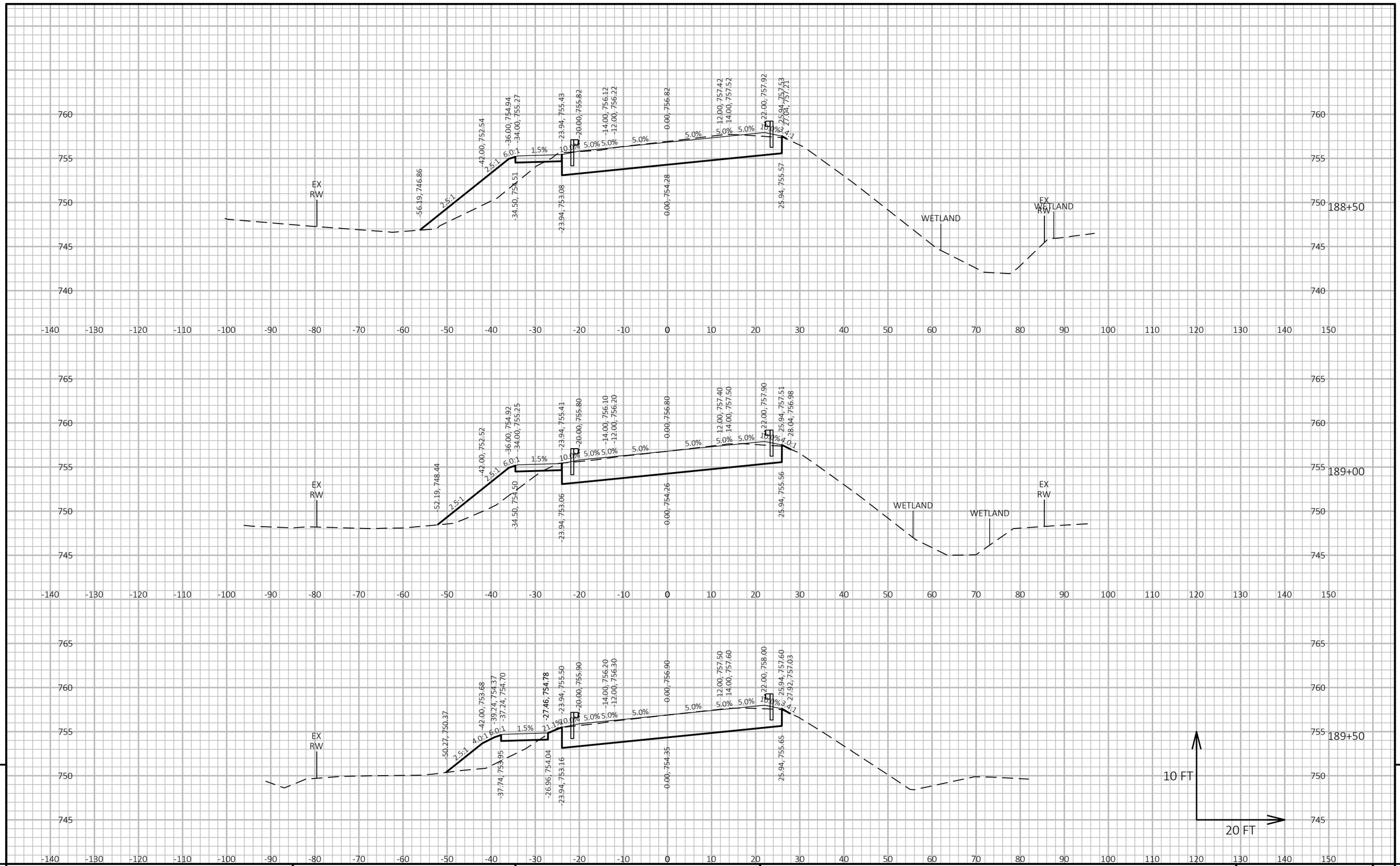
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 632	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090254-xs

PLOT DATE : 4/2/2024 8:20 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

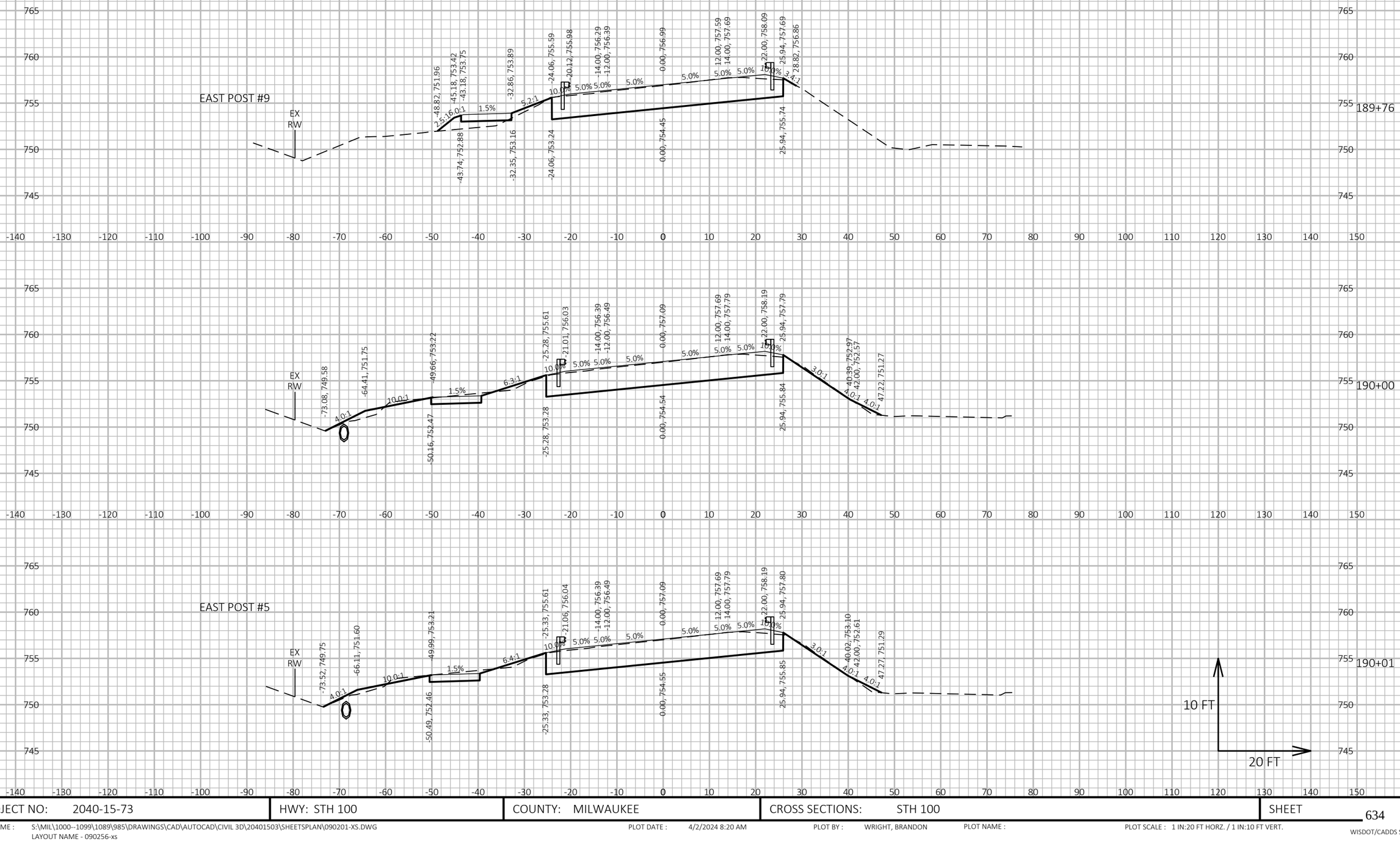
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 633	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090255-xs

PLOT DATE : 3/20/2024 12:06 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

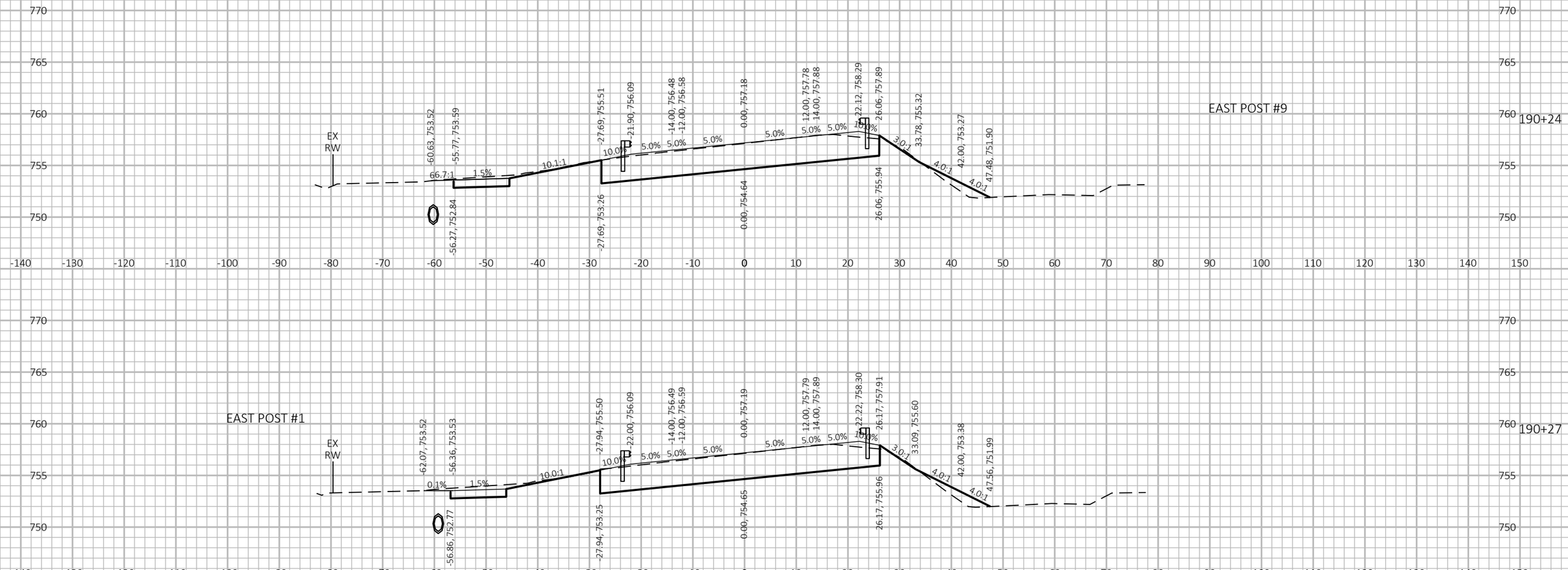
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 634	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090256-xs

PLOT DATE : 4/2/2024 8:20 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

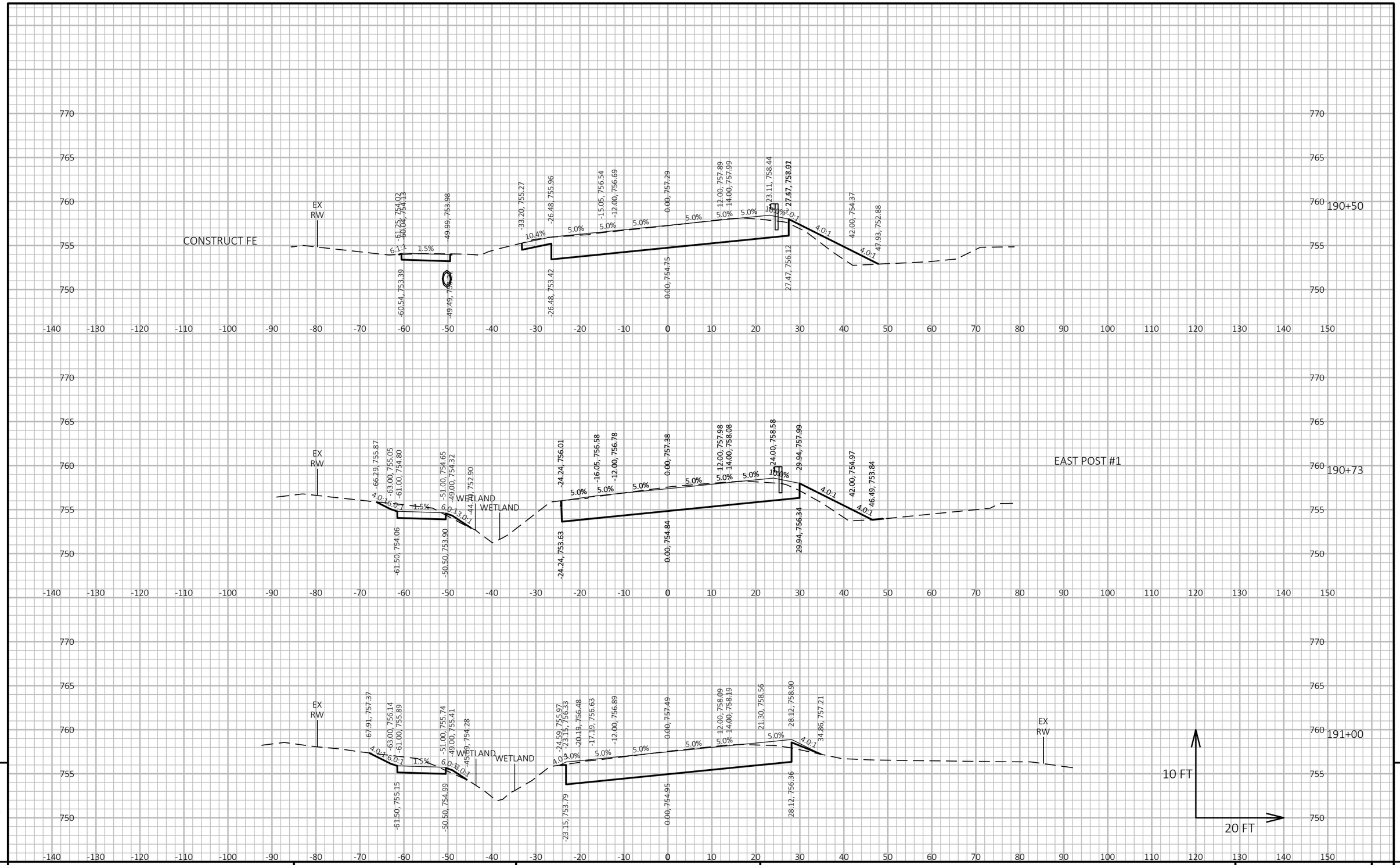
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 635	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090257-xs

PLOT DATE : 3/20/2024 12:06 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 636	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090258-xs

PLOT DATE : 3/20/2024 12:06 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

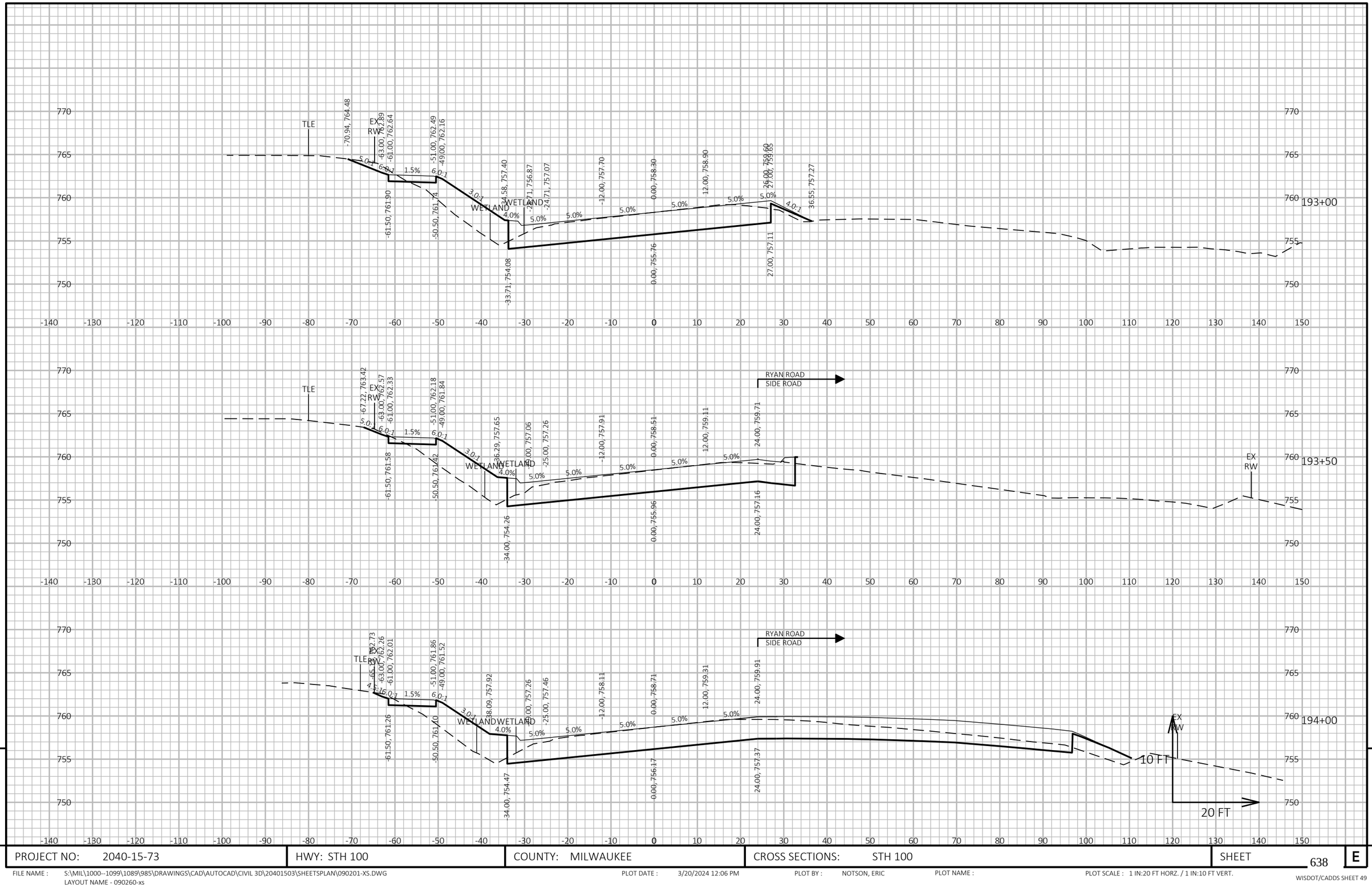
WISDOT/CADDS SHEET 49

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 637	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090259-xs

PLOT DATE : 3/20/2024 12:06 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

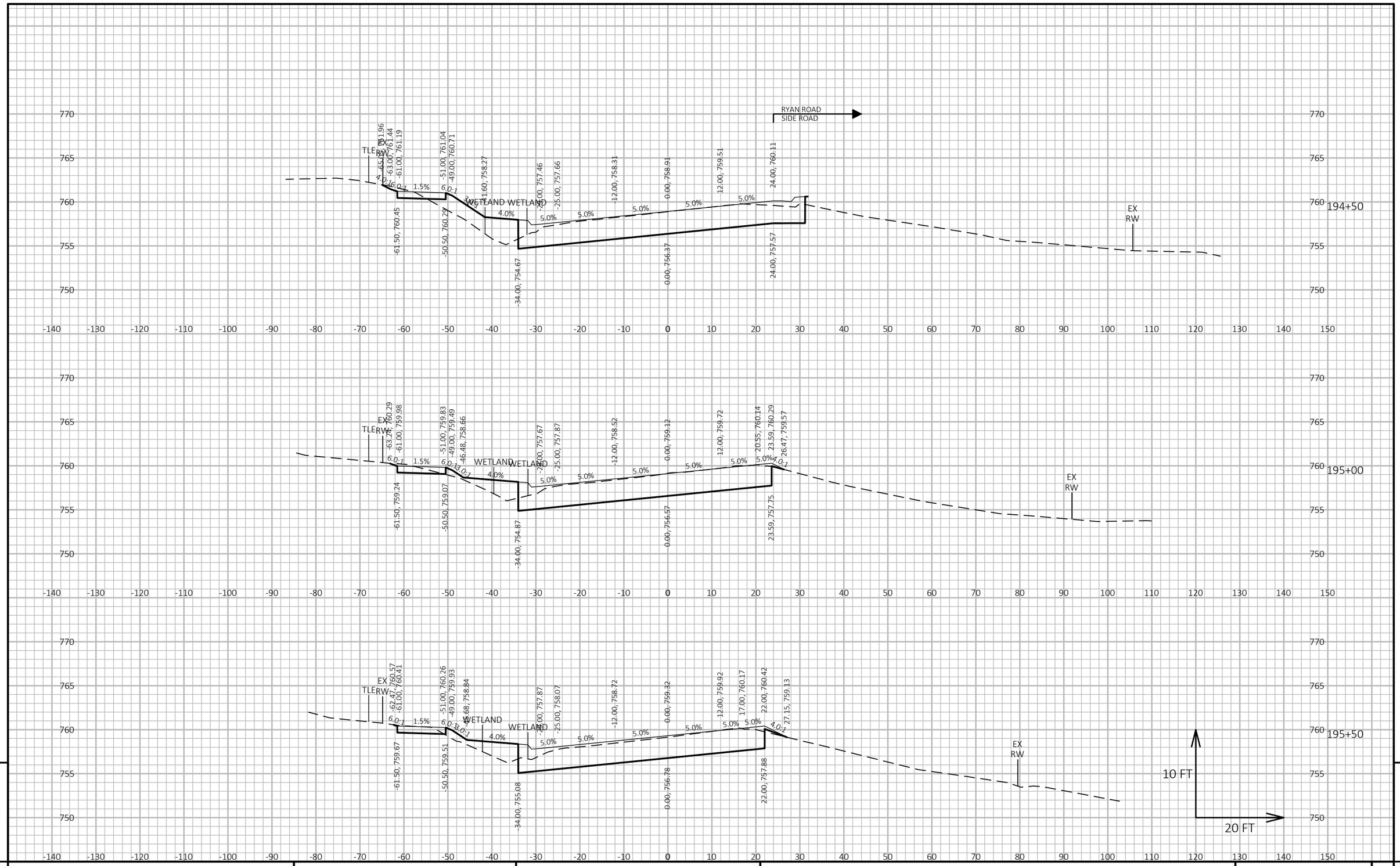
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 638	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090260-xs

PLOT DATE : 3/20/2024 12:06 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 639	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090261-xs

PLOT DATE : 3/20/2024 12:06 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

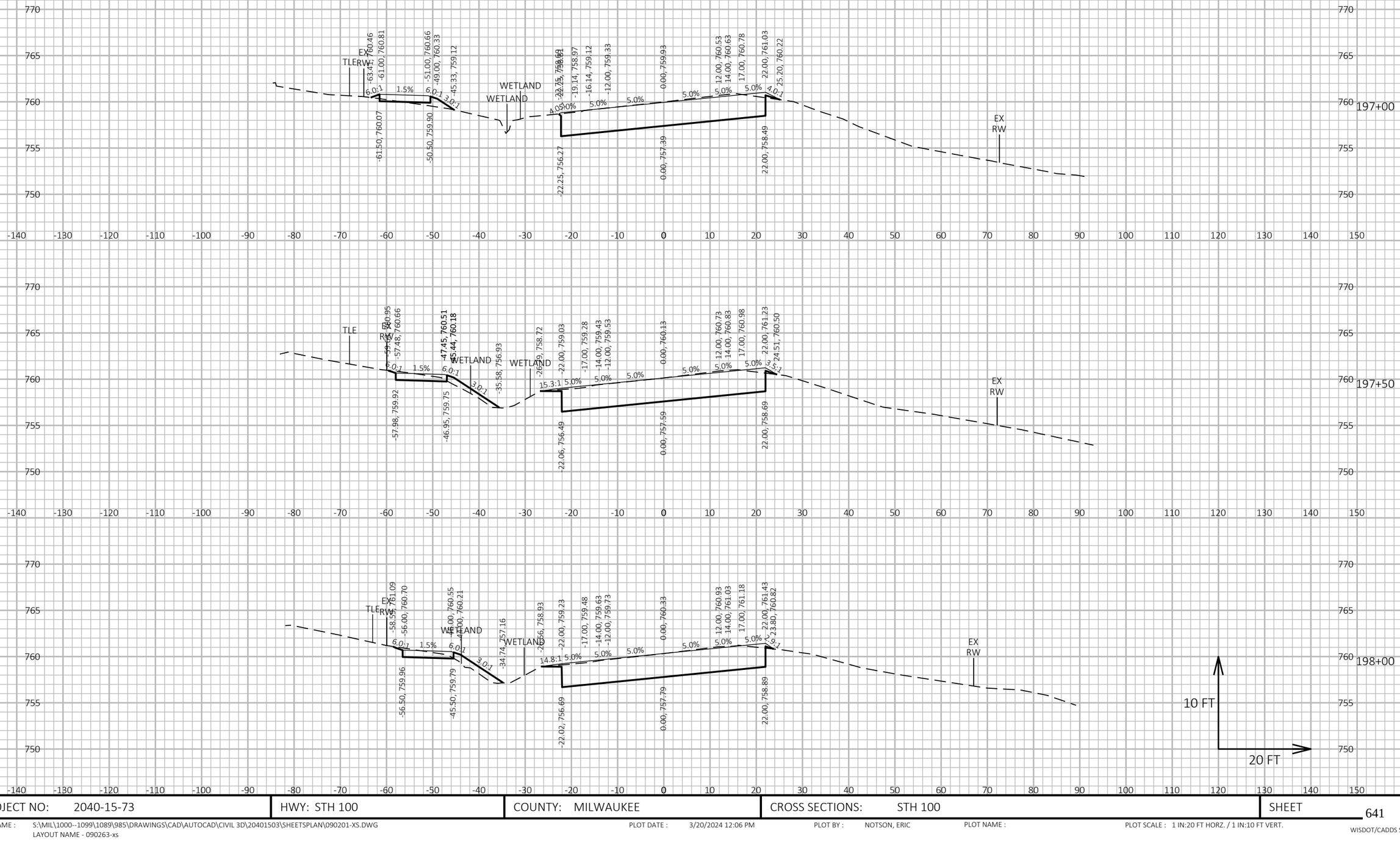
WISDOT/CADDS SHEET 49

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 640 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090262-xs

PLOT DATE : 3/20/2024 12:06 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 641	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090263-xs

PLOT DATE : 3/20/2024 12:06 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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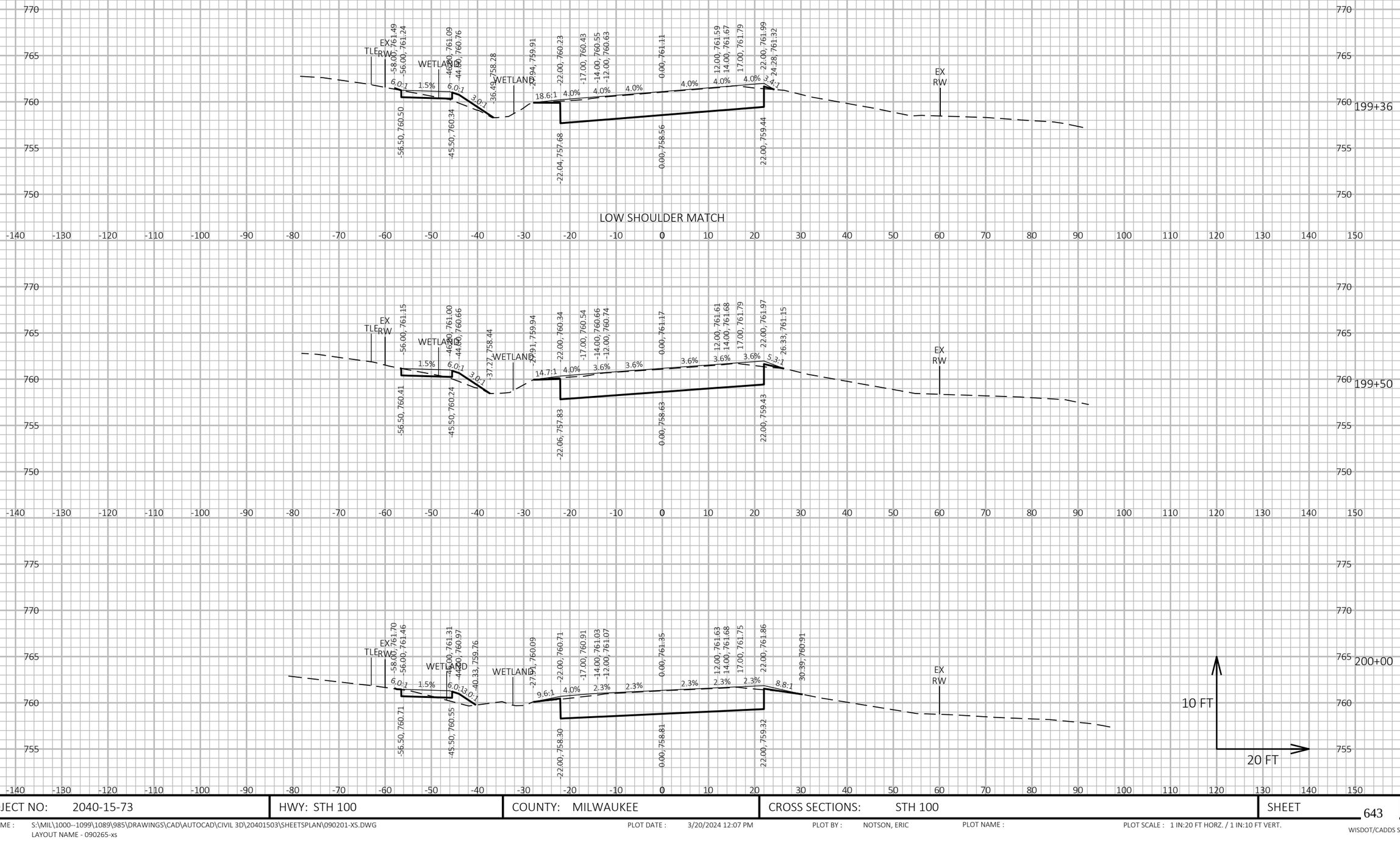
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 642	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090264-xs

PLOT DATE : 3/20/2024 12:06 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

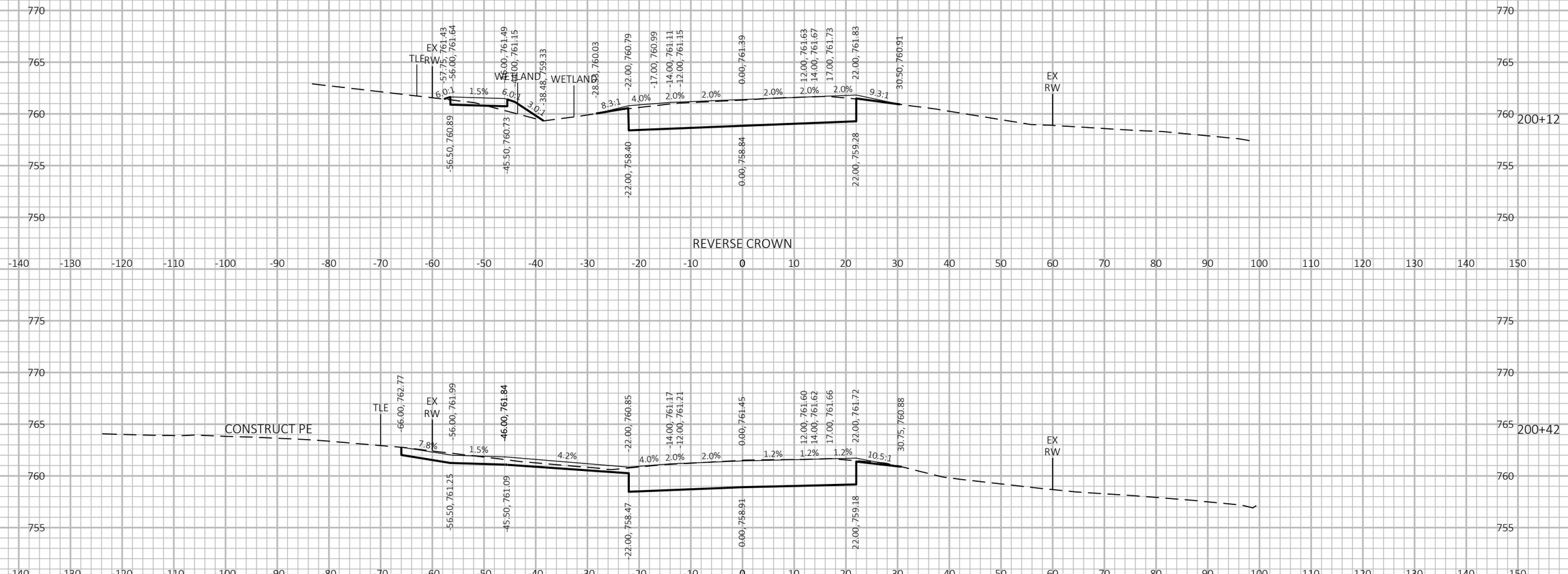


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 643	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090265-xs

PLOT DATE : 3/20/2024 12:07 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

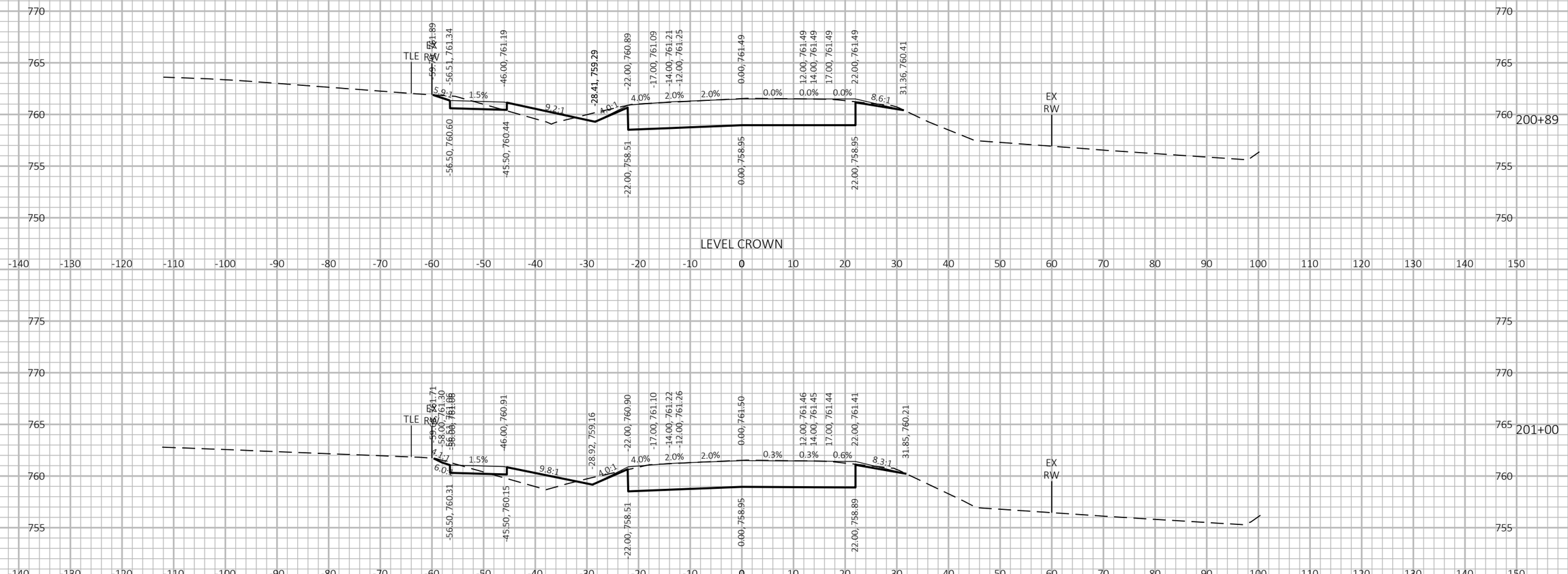
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 644	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090266-xs

PLOT DATE : 3/20/2024 12:07 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



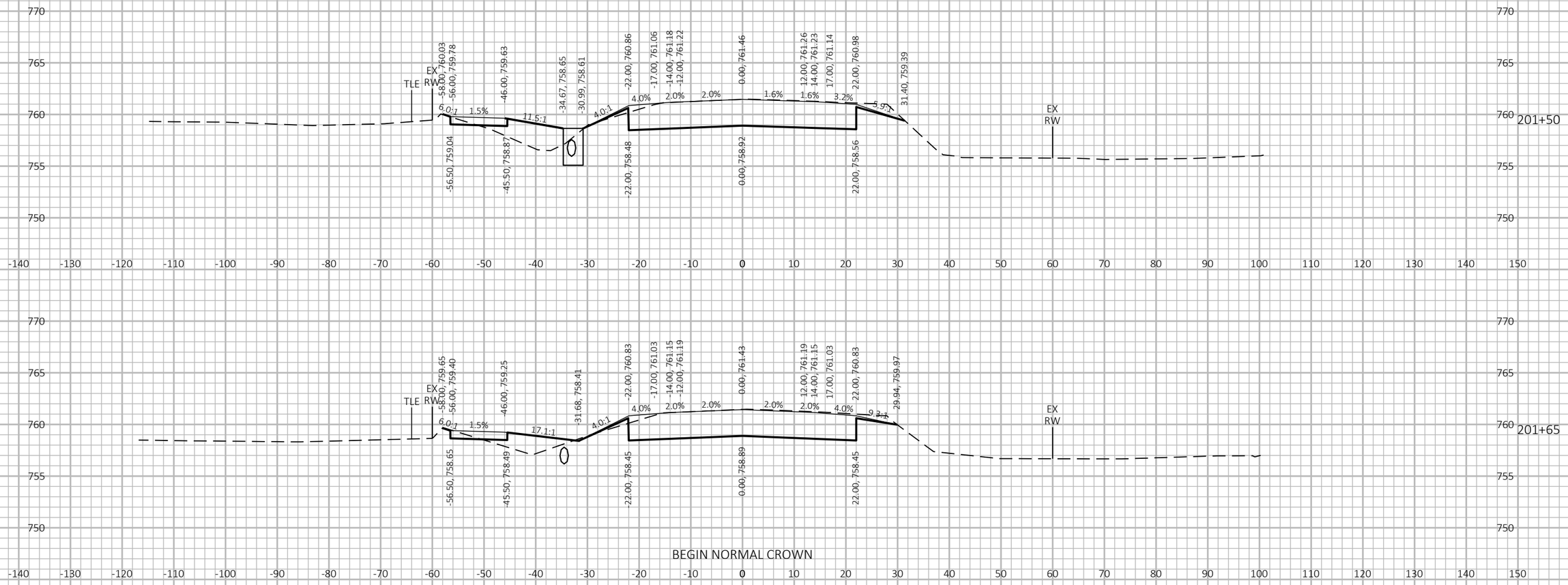
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9

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 645	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090267-xs

PLOT DATE : 4/2/2024 8:20 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



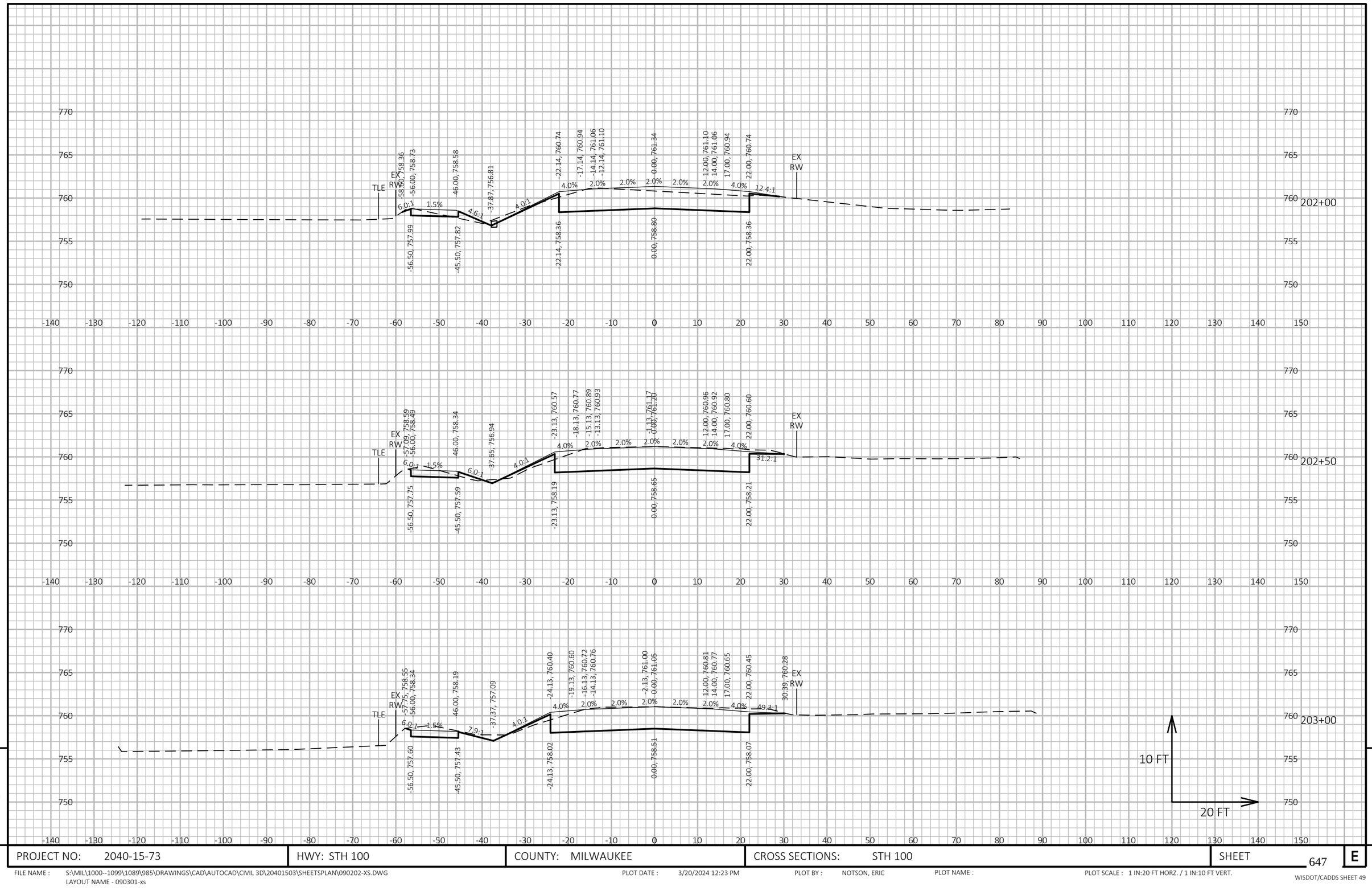
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 646	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090268-xs

PLOT DATE : 3/20/2024 12:07 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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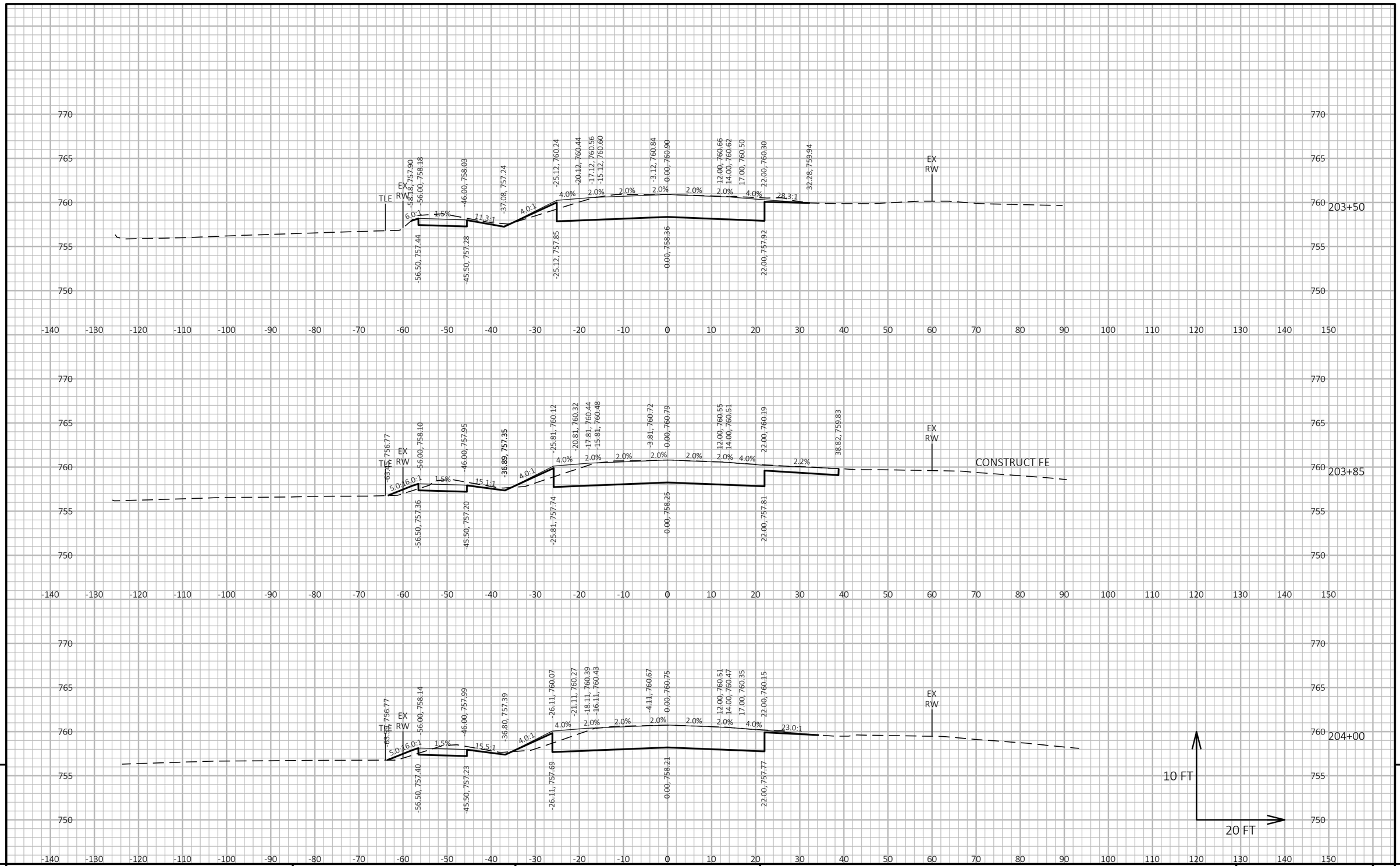
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 647	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090301-xs

PLOT DATE : 3/20/2024 12:23 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 648	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090302-xs

PLOT DATE : 3/20/2024 12:23 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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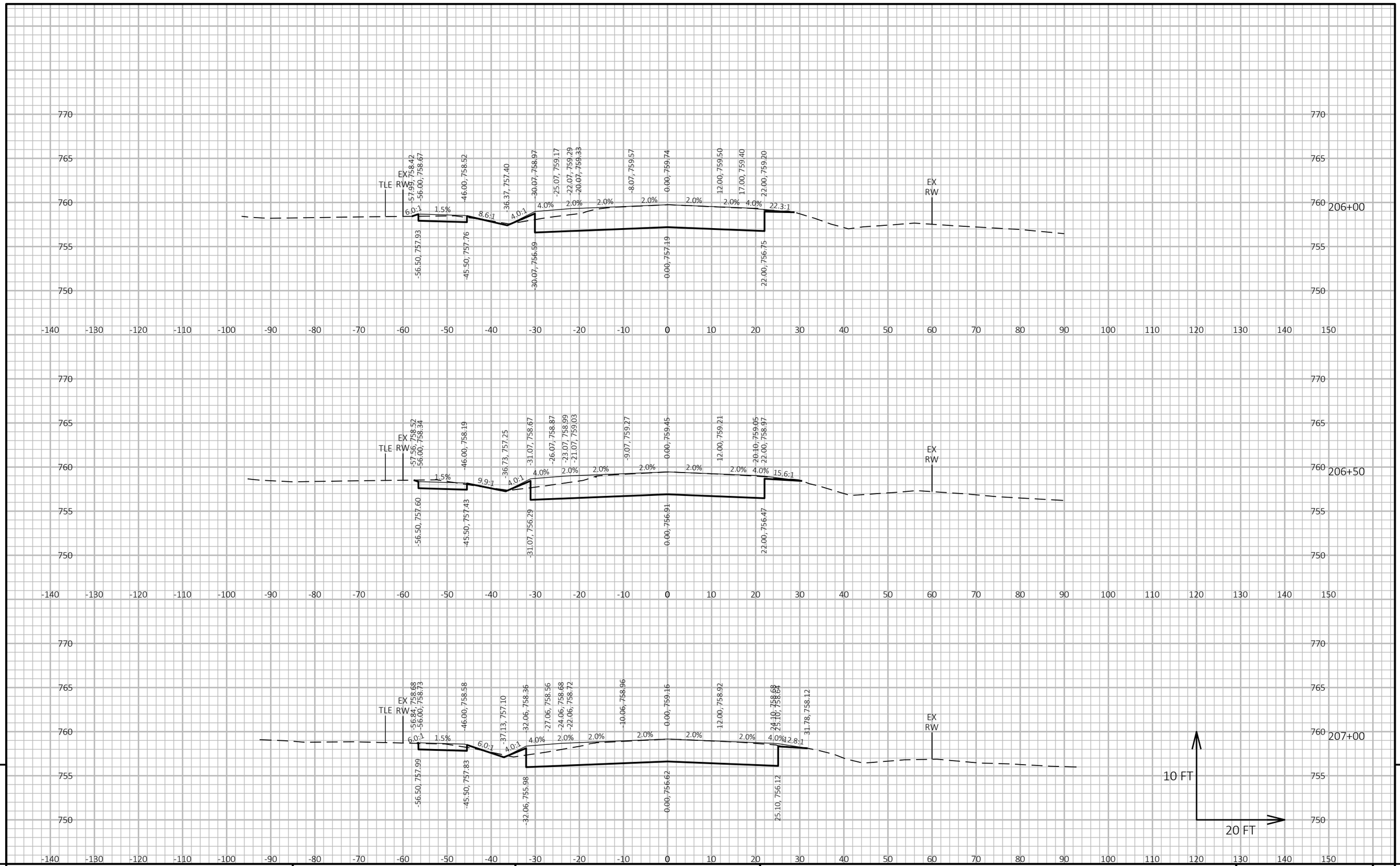
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 649	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090303-xs

PLOT DATE : 3/20/2024 12:23 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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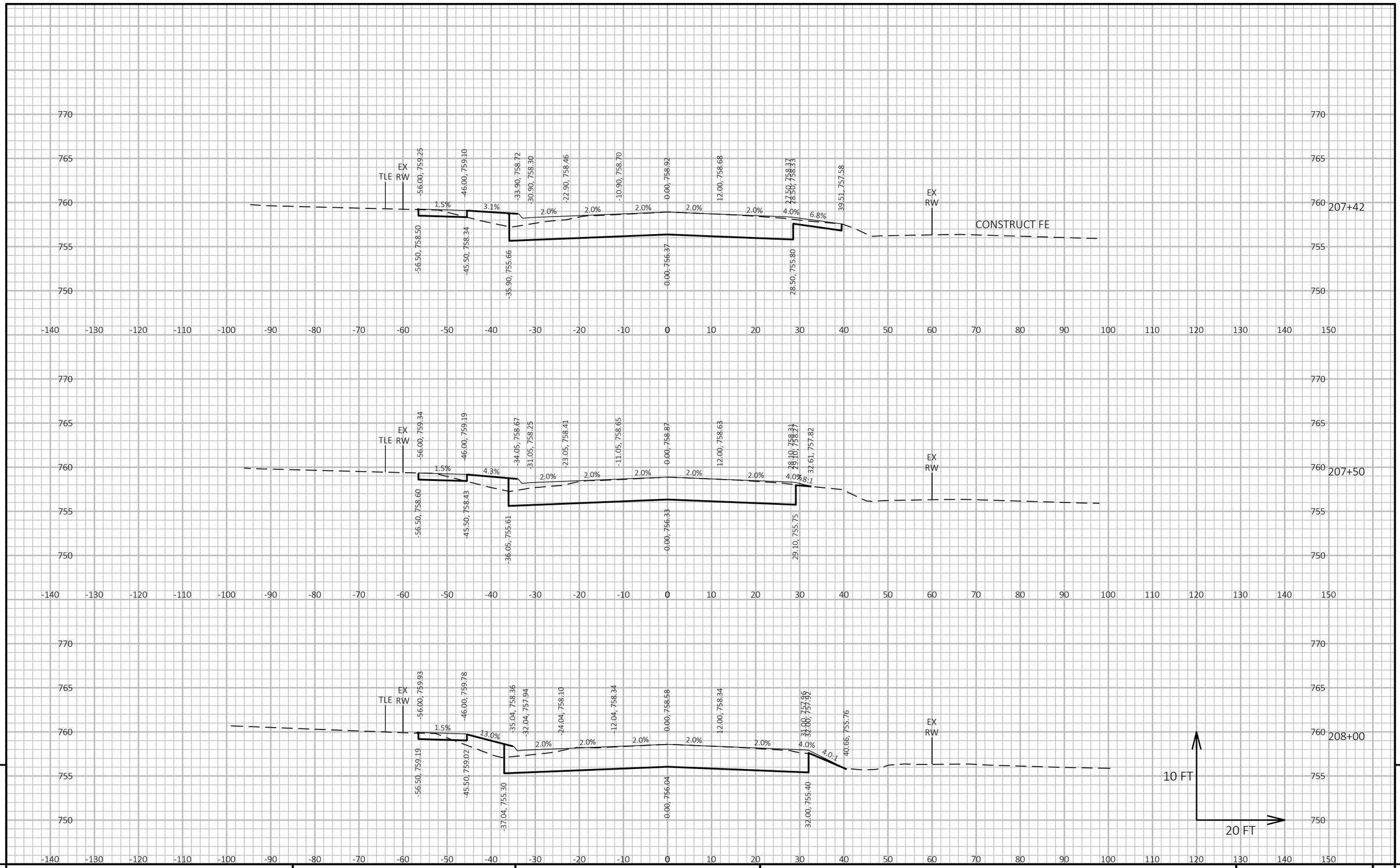
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 650	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090304-xs

PLOT DATE : 3/20/2024 12:23 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

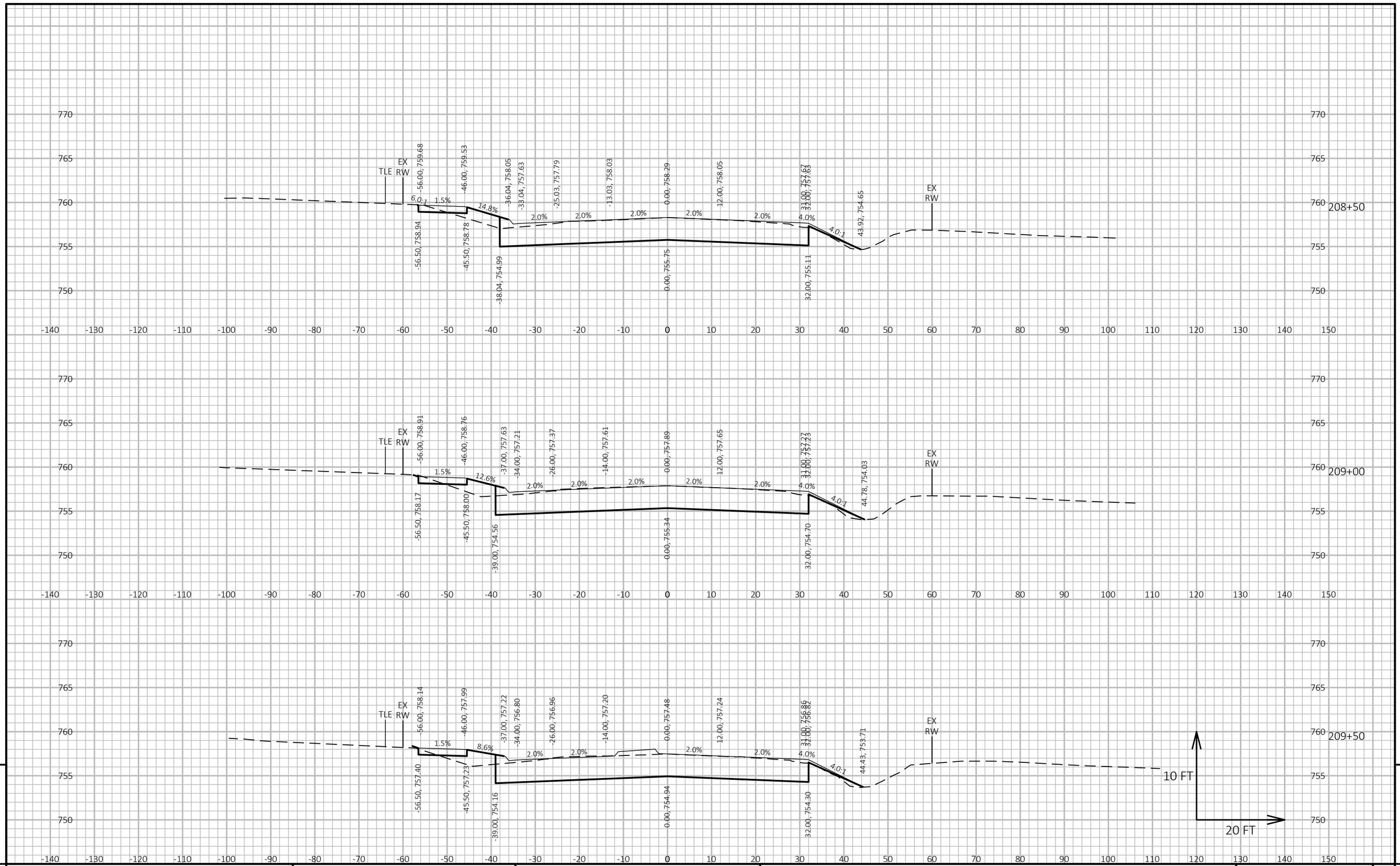
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 651	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090305-xs

PLOT DATE : 3/20/2024 12:23 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

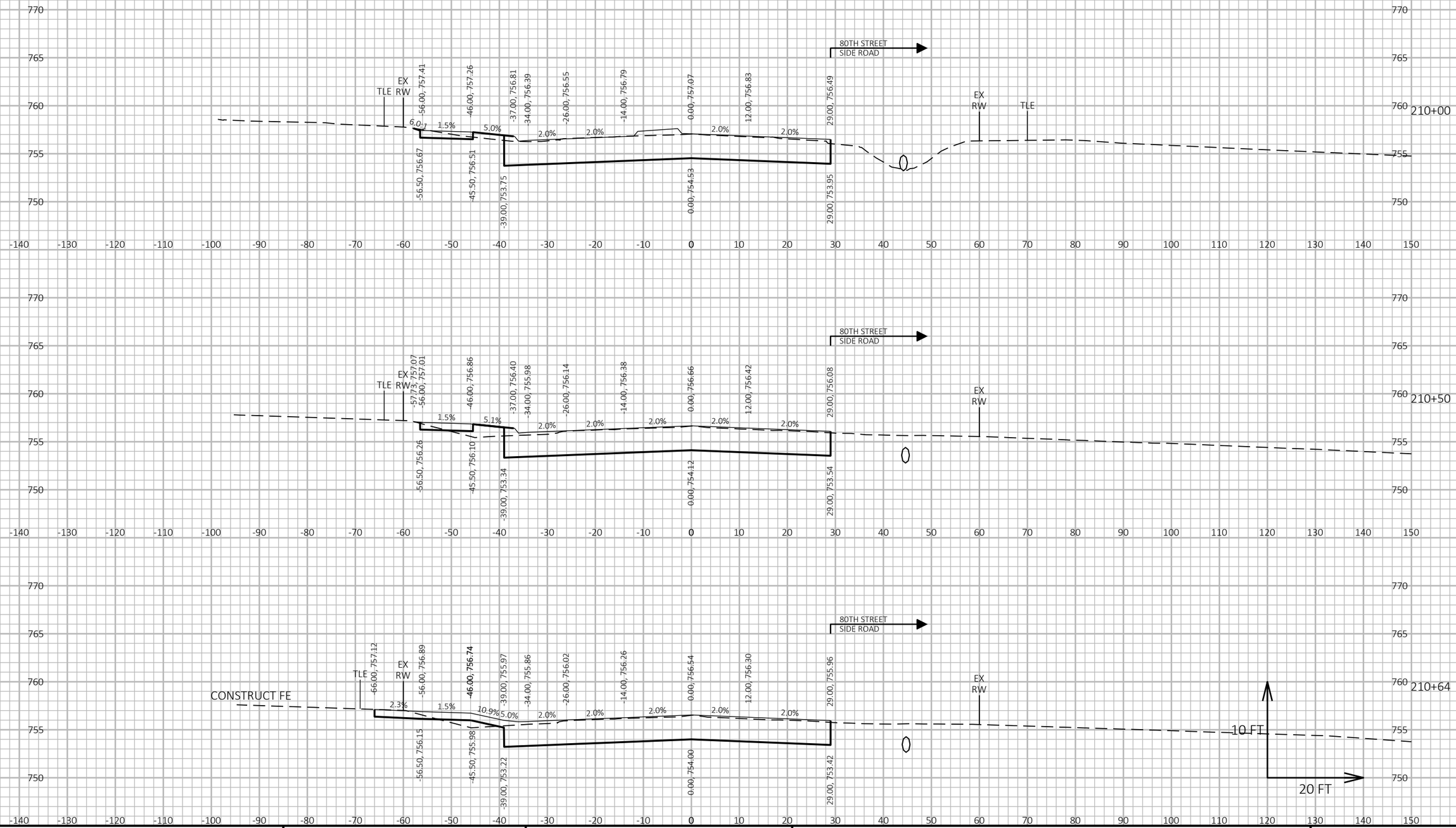
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 652	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090306-xs

PLOT DATE : 3/20/2024 12:23 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 653	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090307-xs

PLOT DATE : 3/20/2024 12:24 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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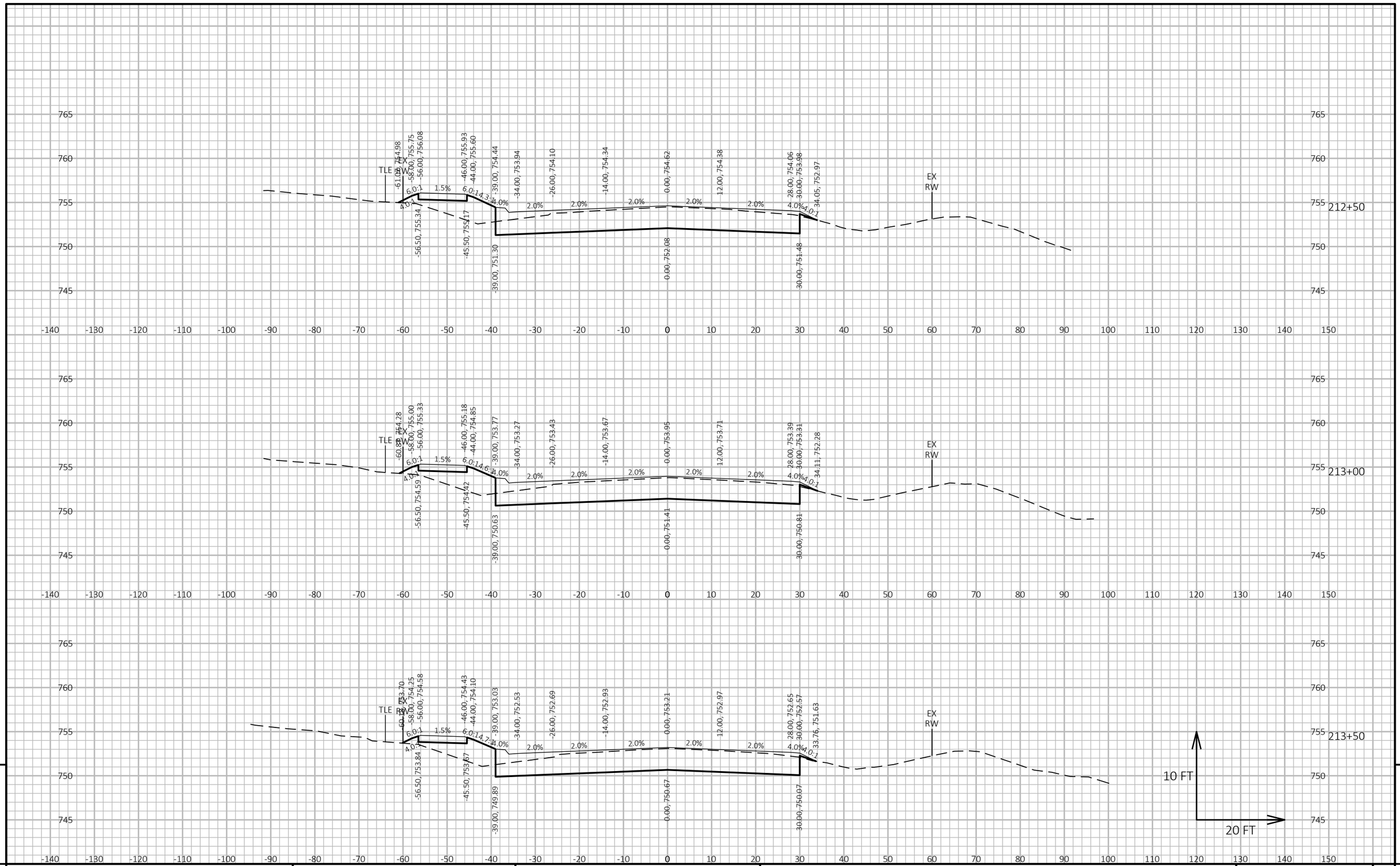
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 654	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090308-xs

PLOT DATE : 3/20/2024 12:24 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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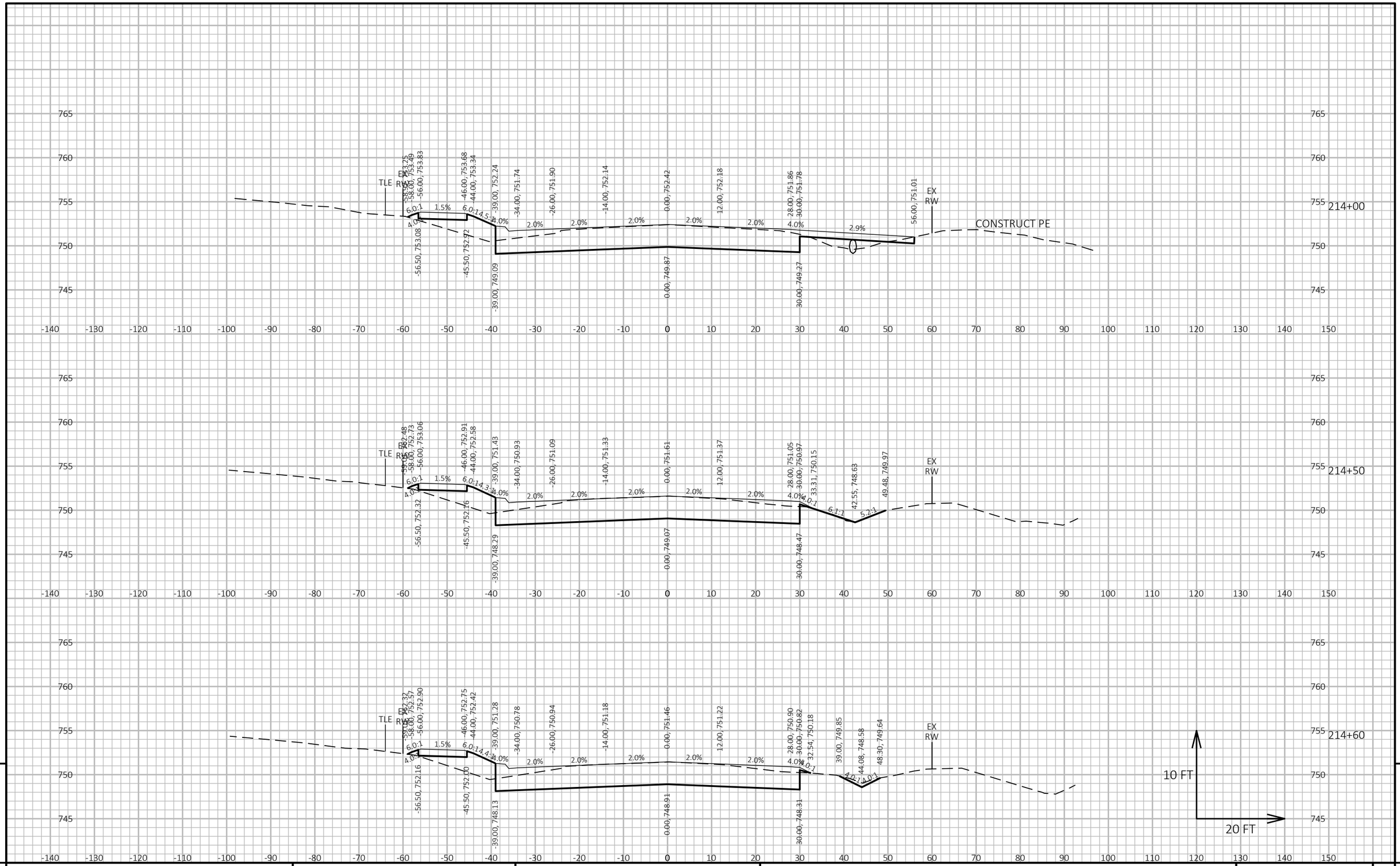
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 655	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090309-xs

PLOT DATE : 3/20/2024 12:24 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 656 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090310-xs

PLOT DATE : 3/20/2024 12:24 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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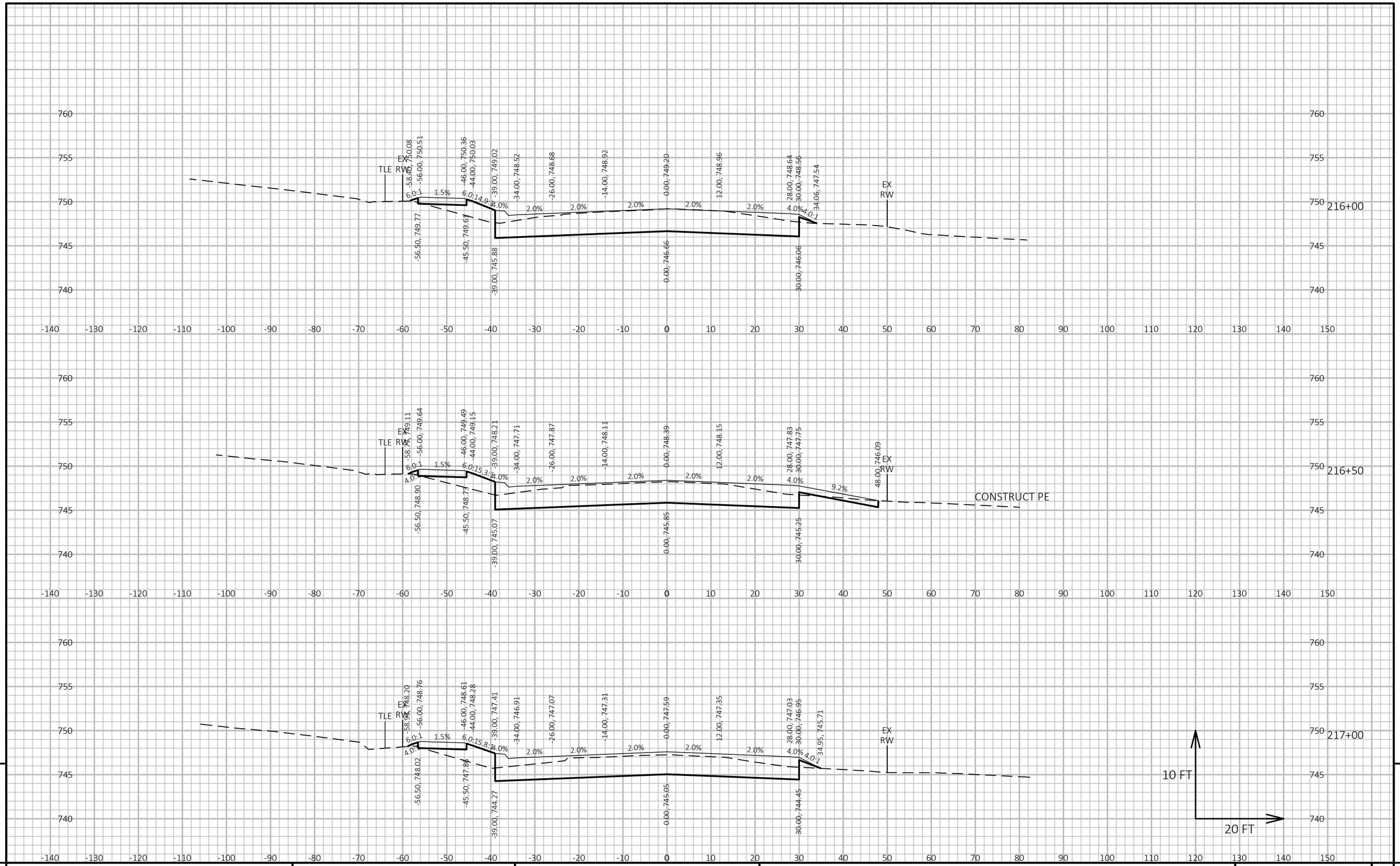
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 657	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090311-xs

PLOT DATE : 3/20/2024 12:24 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

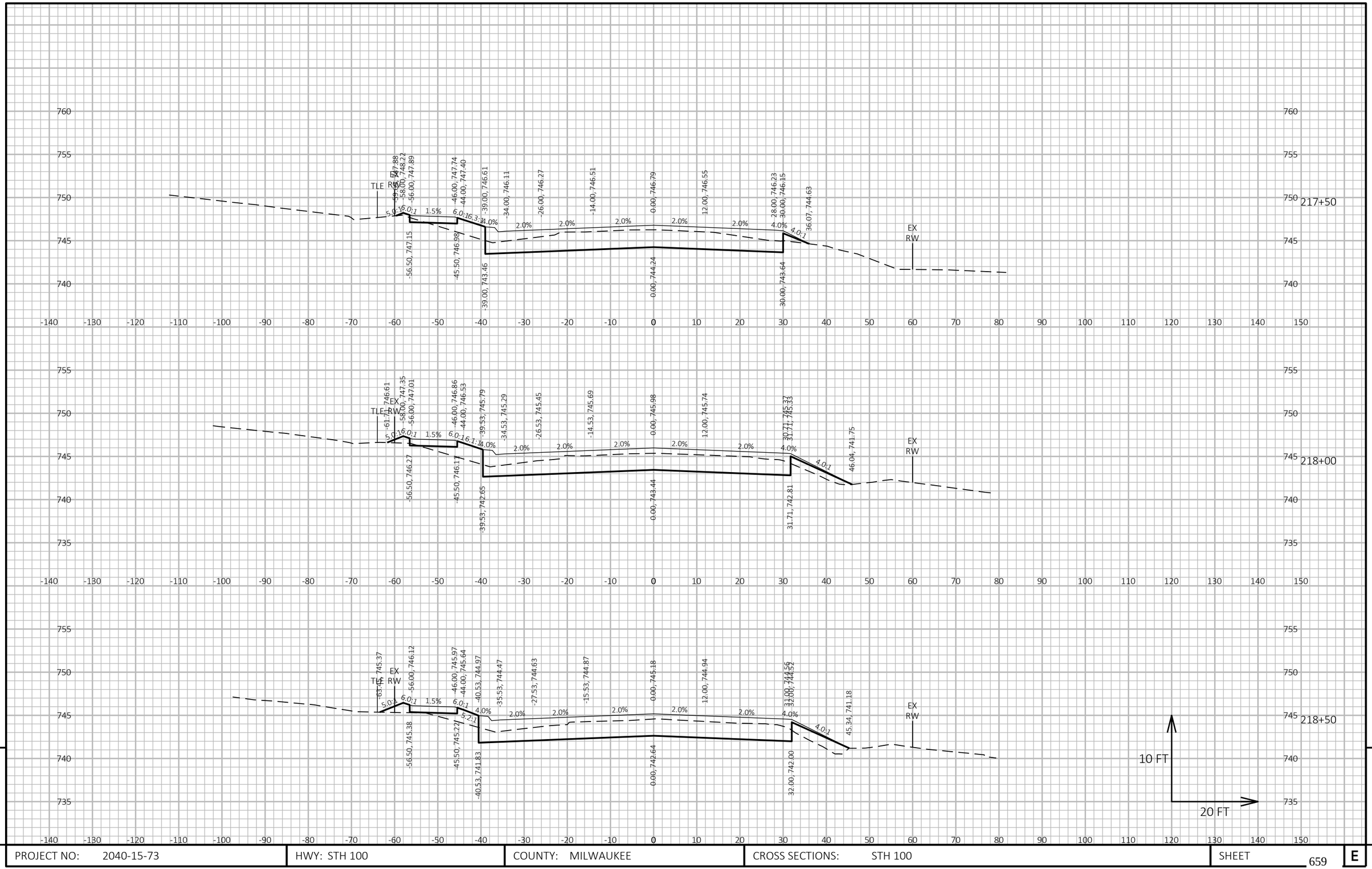
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 658	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090312-xs

PLOT DATE : 3/20/2024 12:24 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

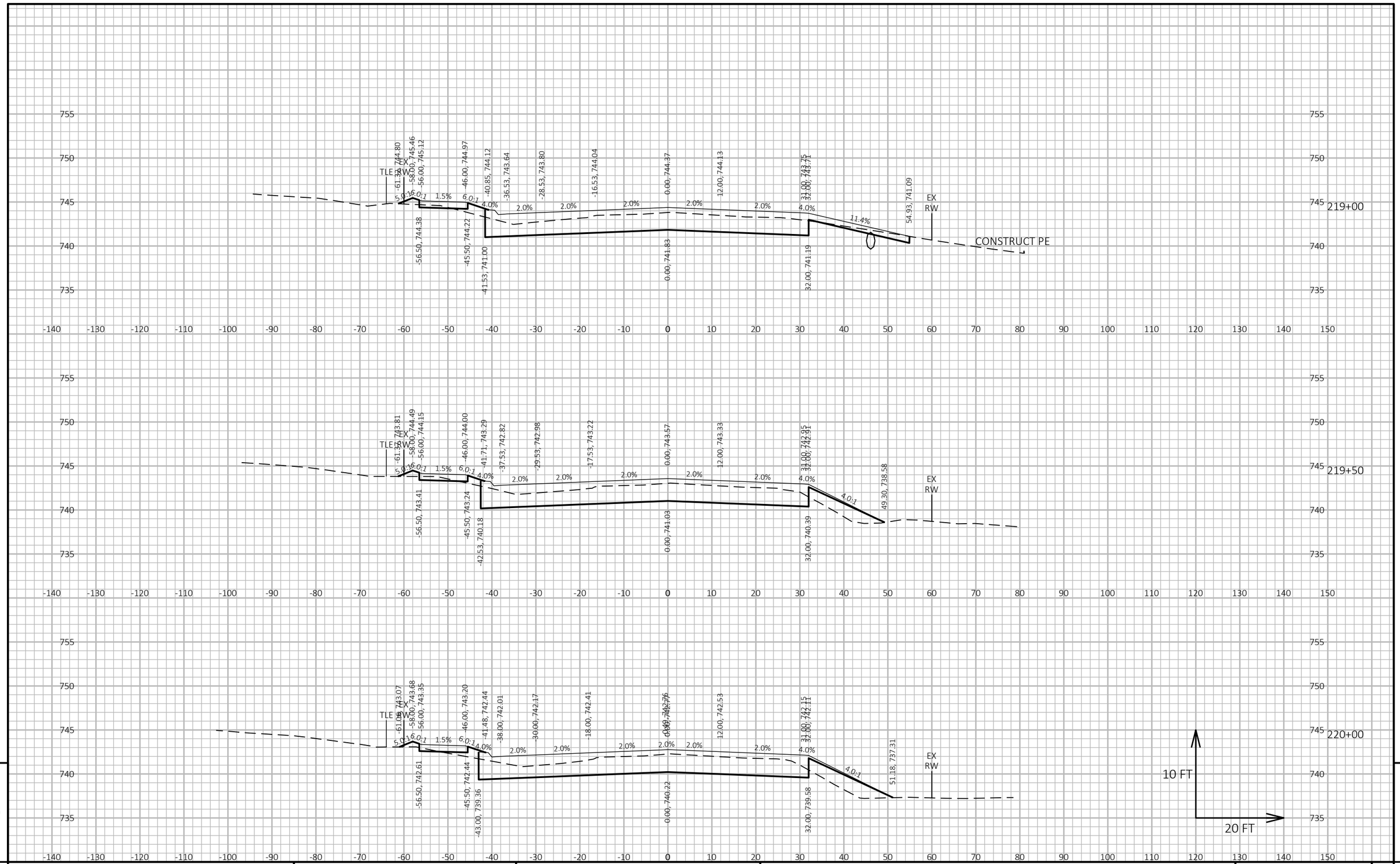
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 659	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090313-xs

PLOT DATE : 3/20/2024 12:24 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



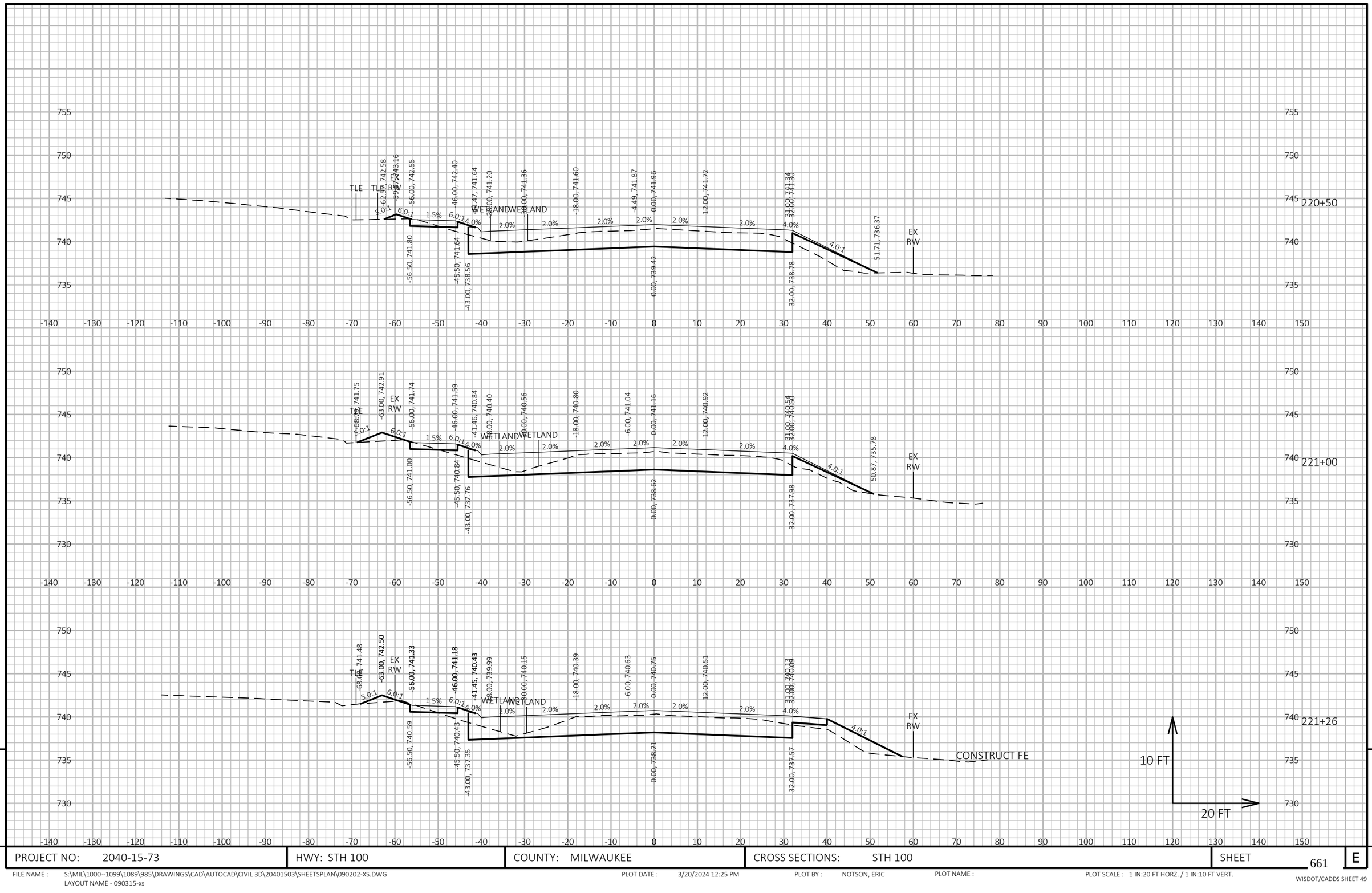
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9

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 660	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090314-xs

PLOT DATE : 3/20/2024 12:25 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

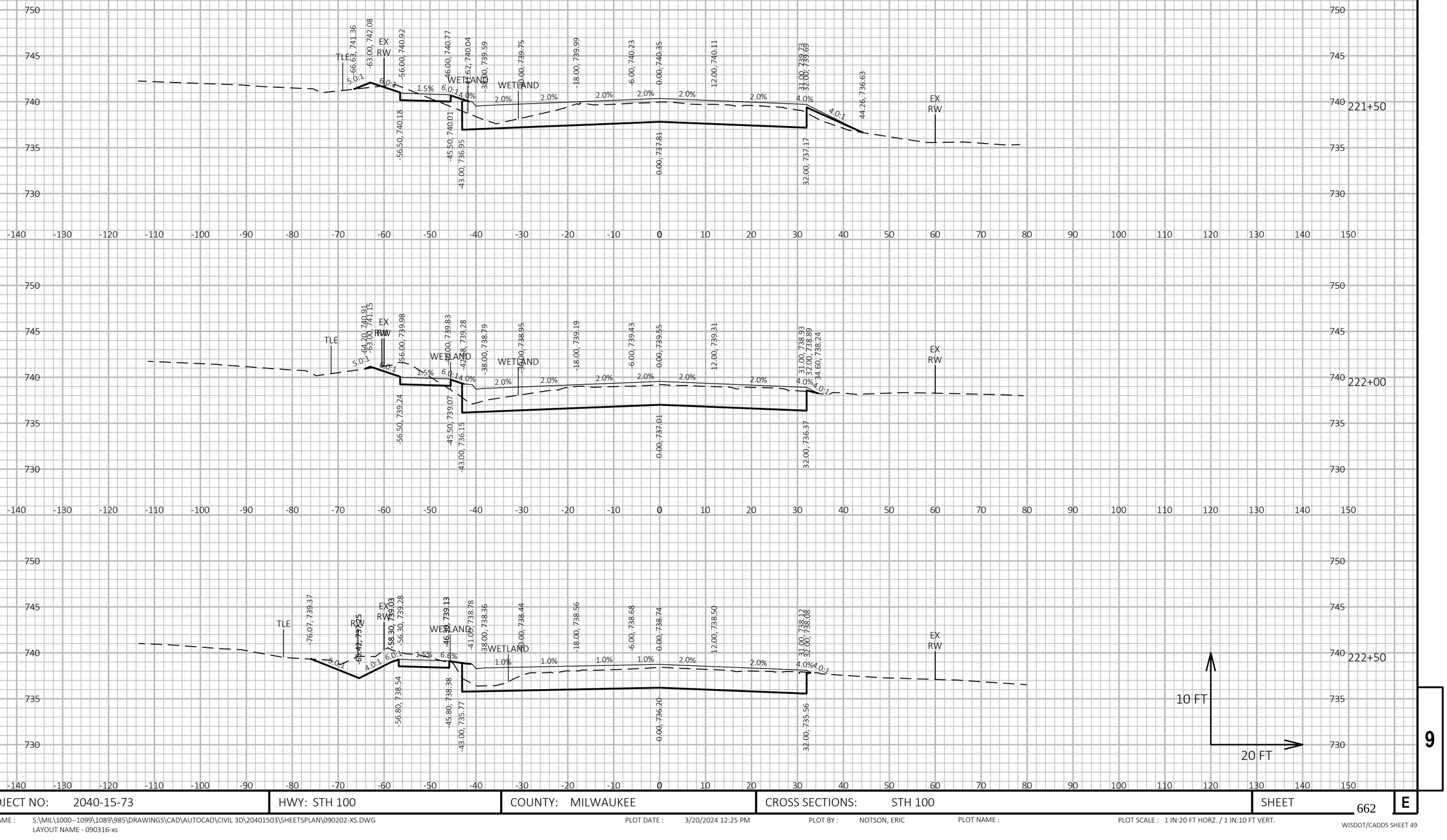


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 661	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090315-xs

PLOT DATE : 3/20/2024 12:25 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

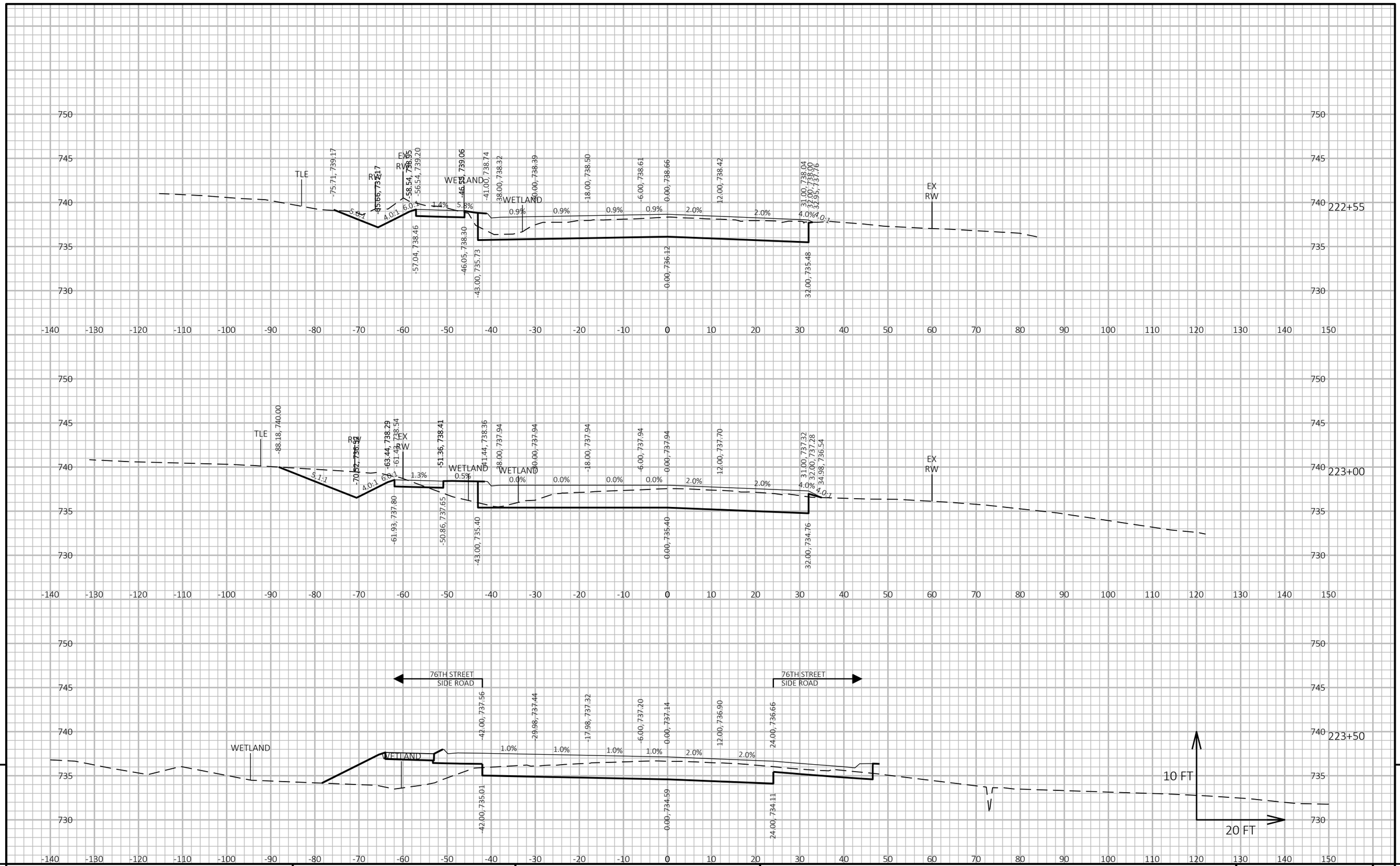


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 662	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090316-xs

PLOT DATE : 3/20/2024 12:25 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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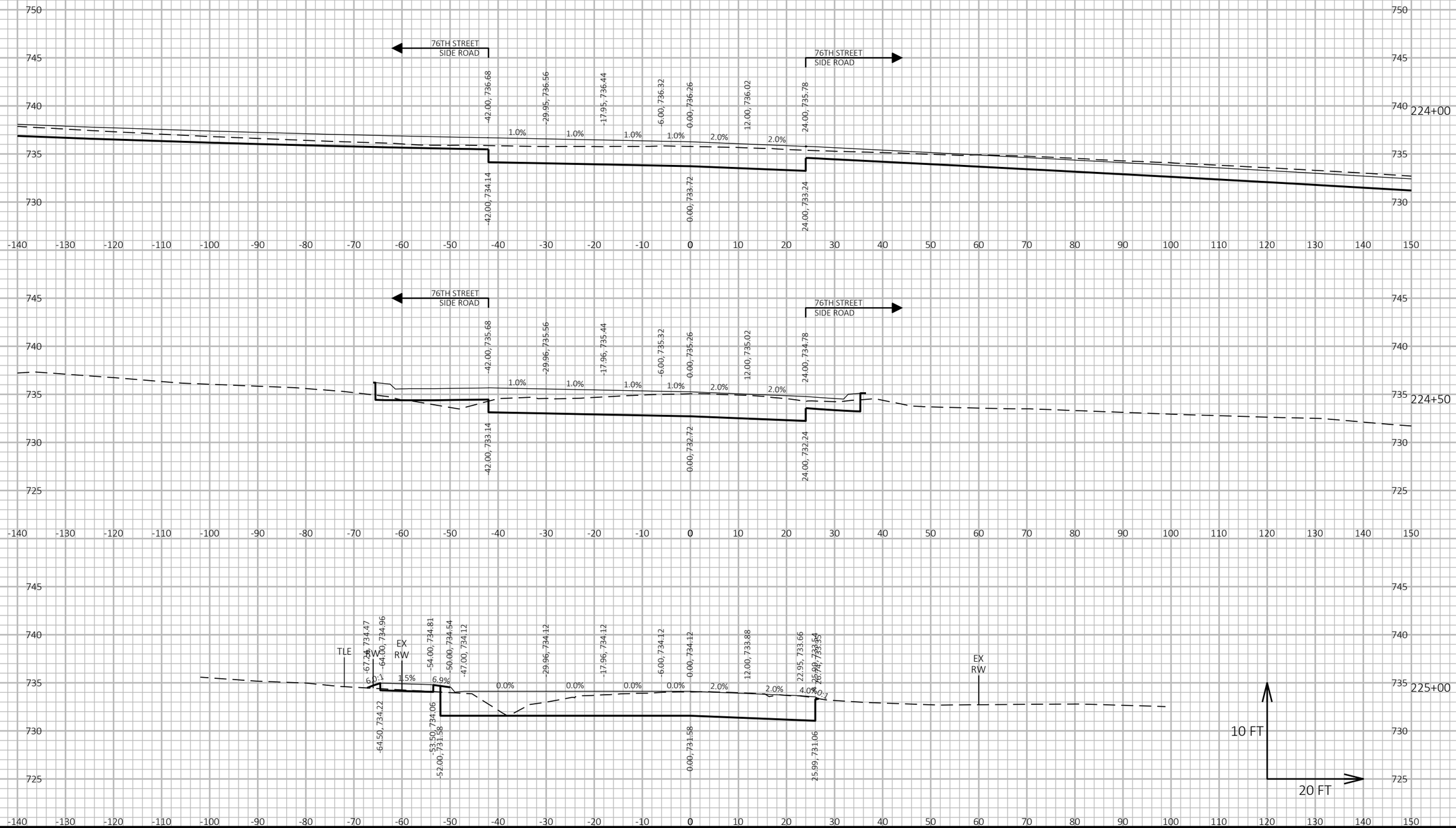
9

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 663	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090317-xs

PLOT DATE : 3/20/2024 12:25 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

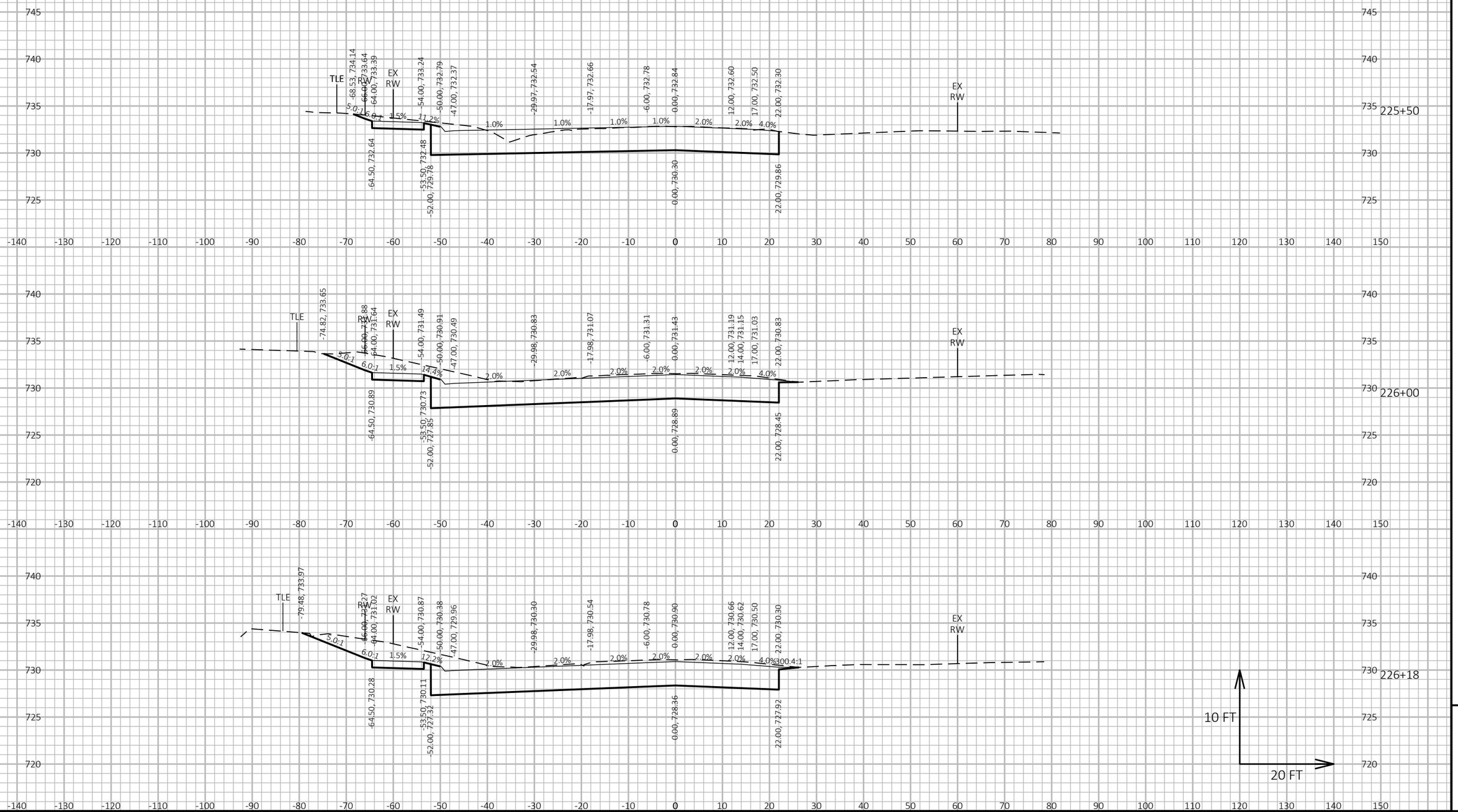


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 664	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090318-xs

PLOT DATE : 3/20/2024 12:25 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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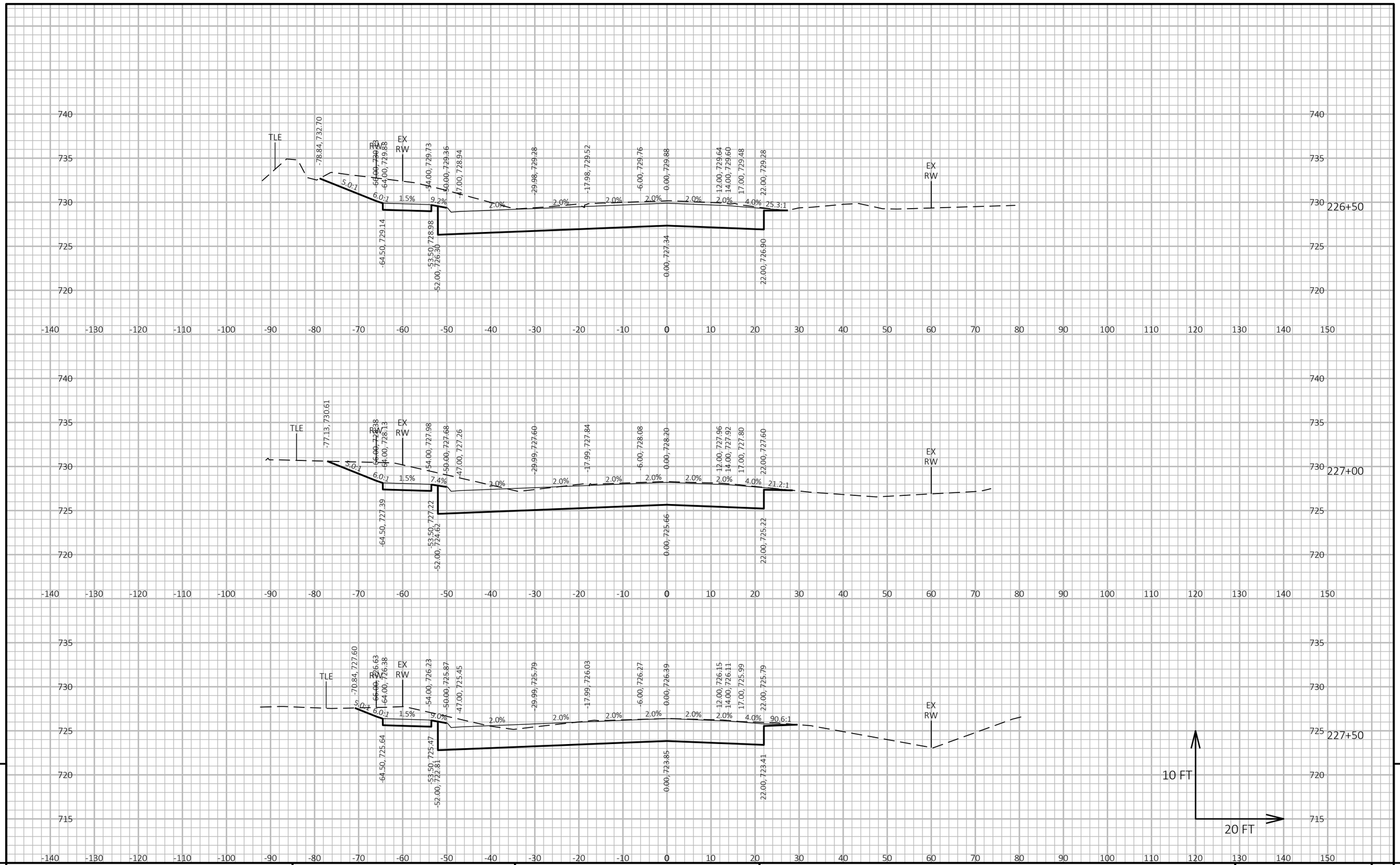
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 665	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090319-xs

PLOT DATE : 3/20/2024 12:25 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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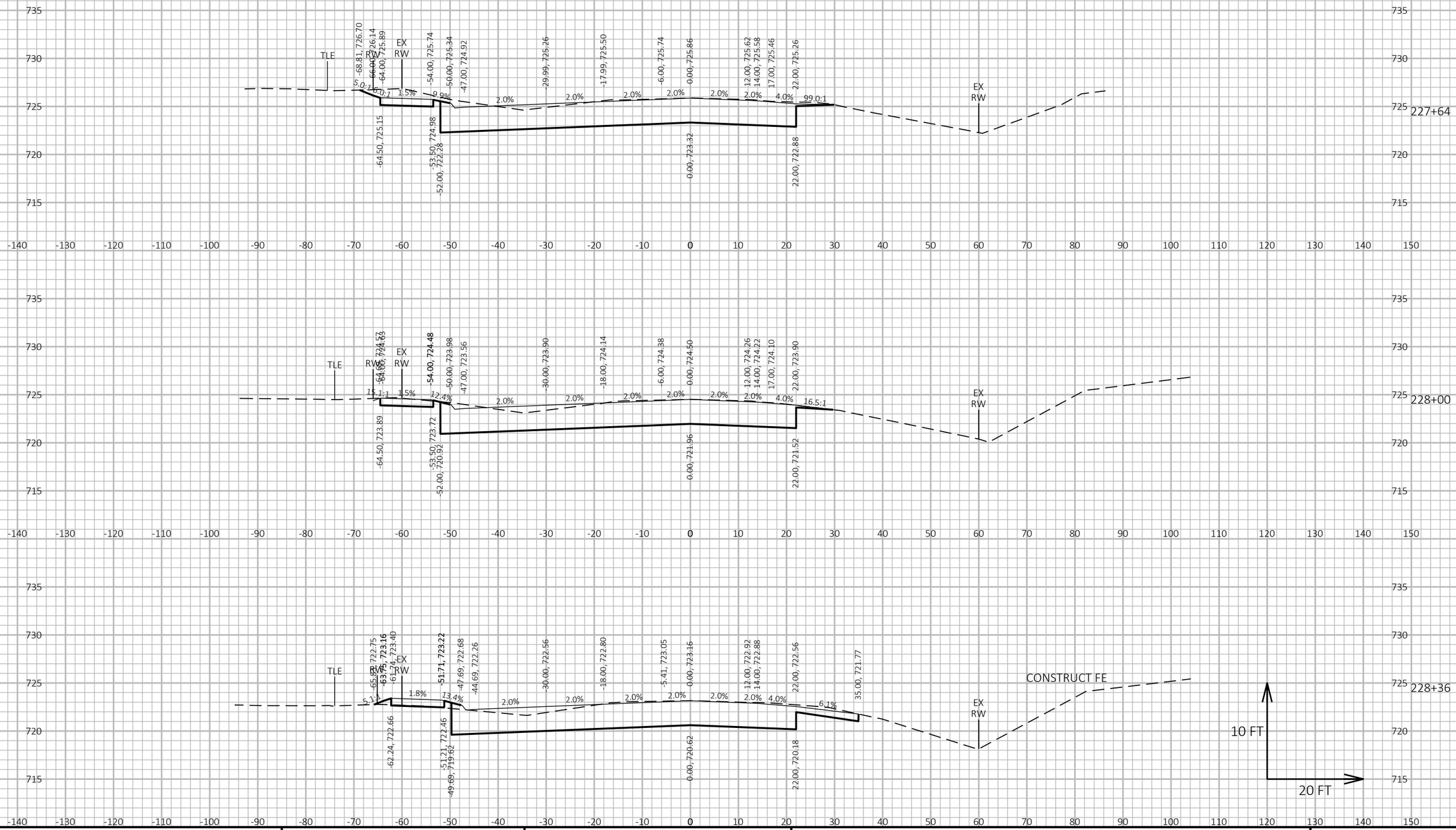
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 666	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090320-xs

PLOT DATE : 3/20/2024 12:25 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



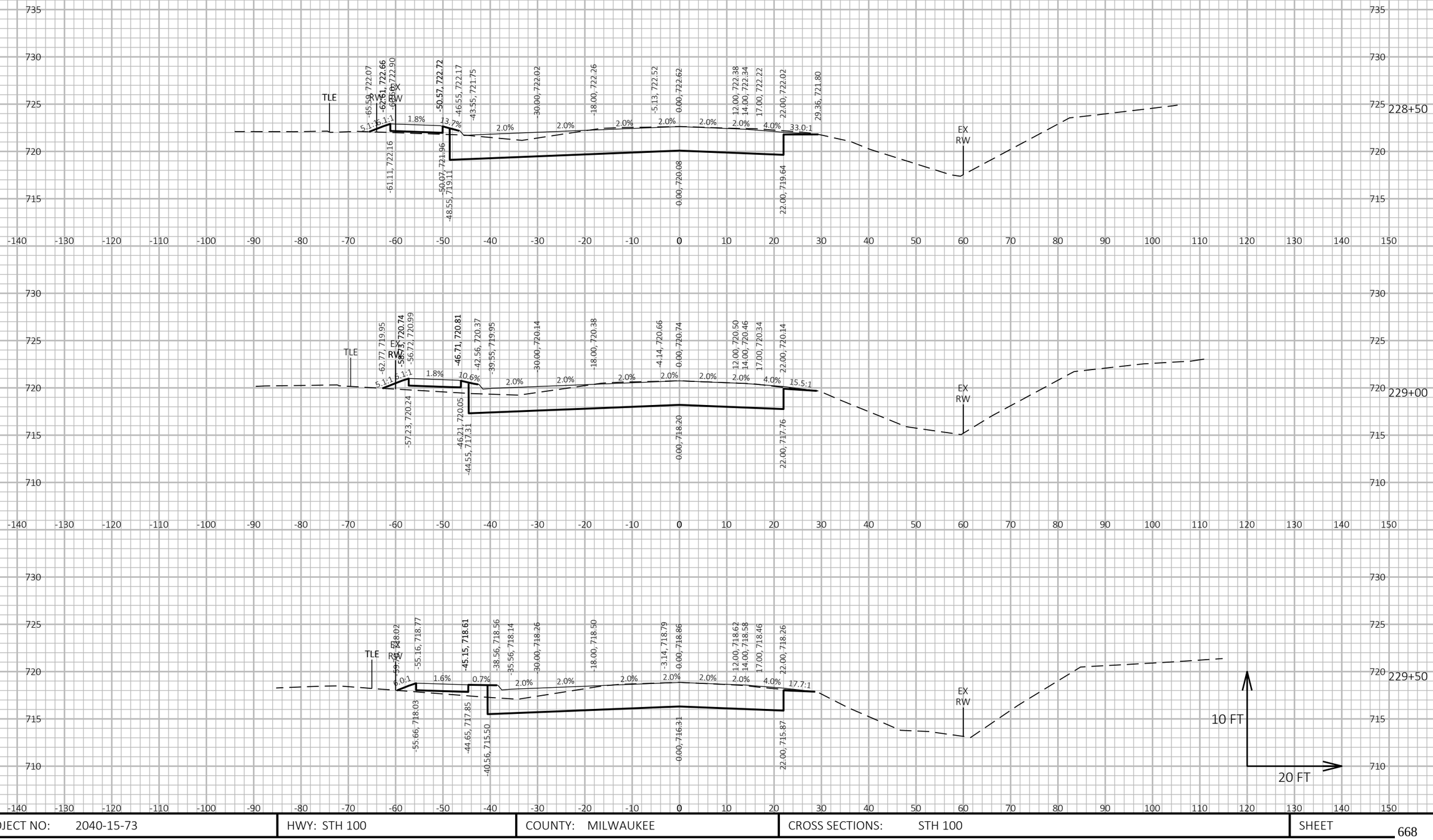
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 667	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090321-xs

PLOT DATE : 3/20/2024 12:25 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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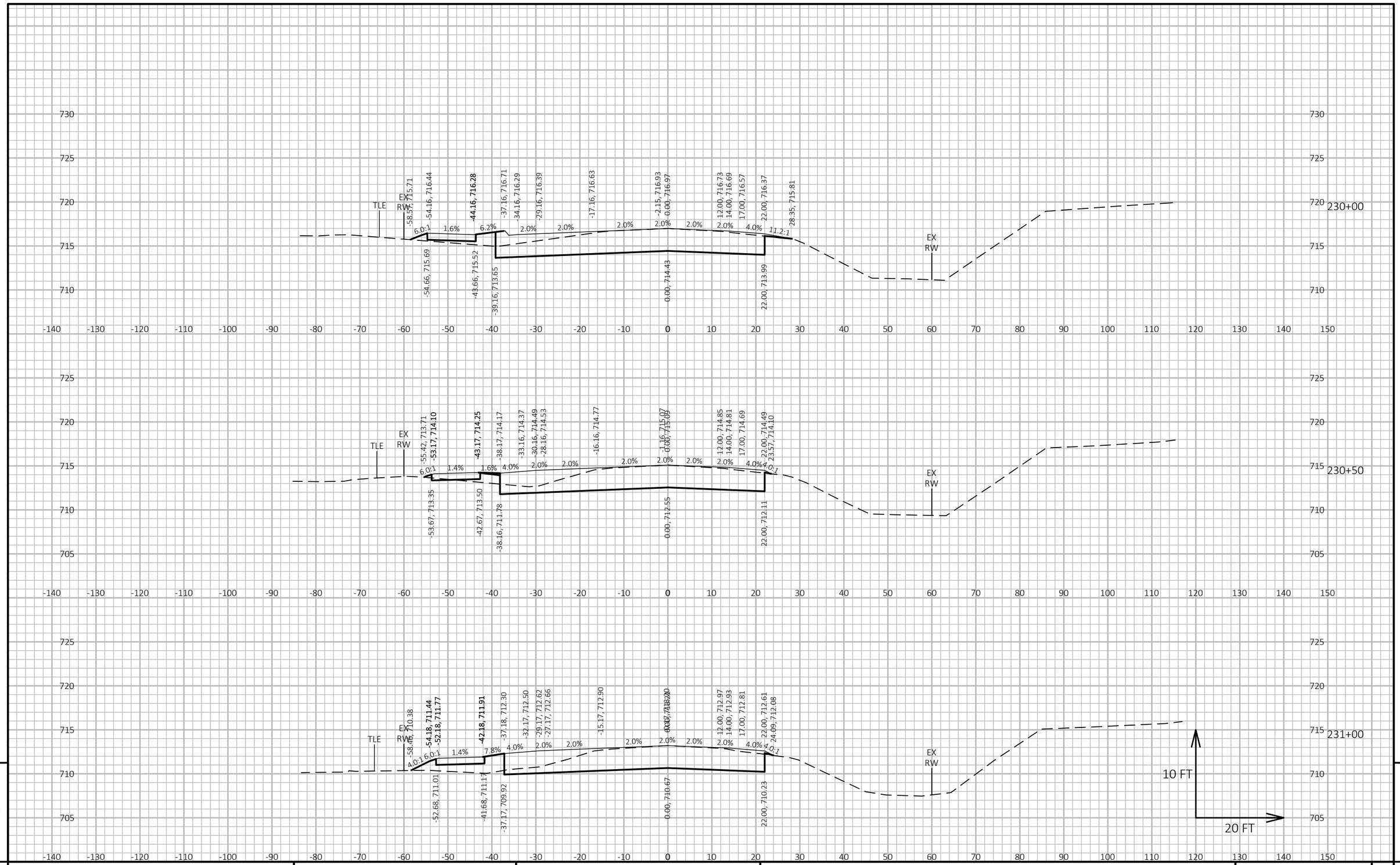
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 668	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090322-xs

PLOT DATE : 3/20/2024 12:25 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 669	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090323-xs

PLOT DATE : 3/20/2024 12:25 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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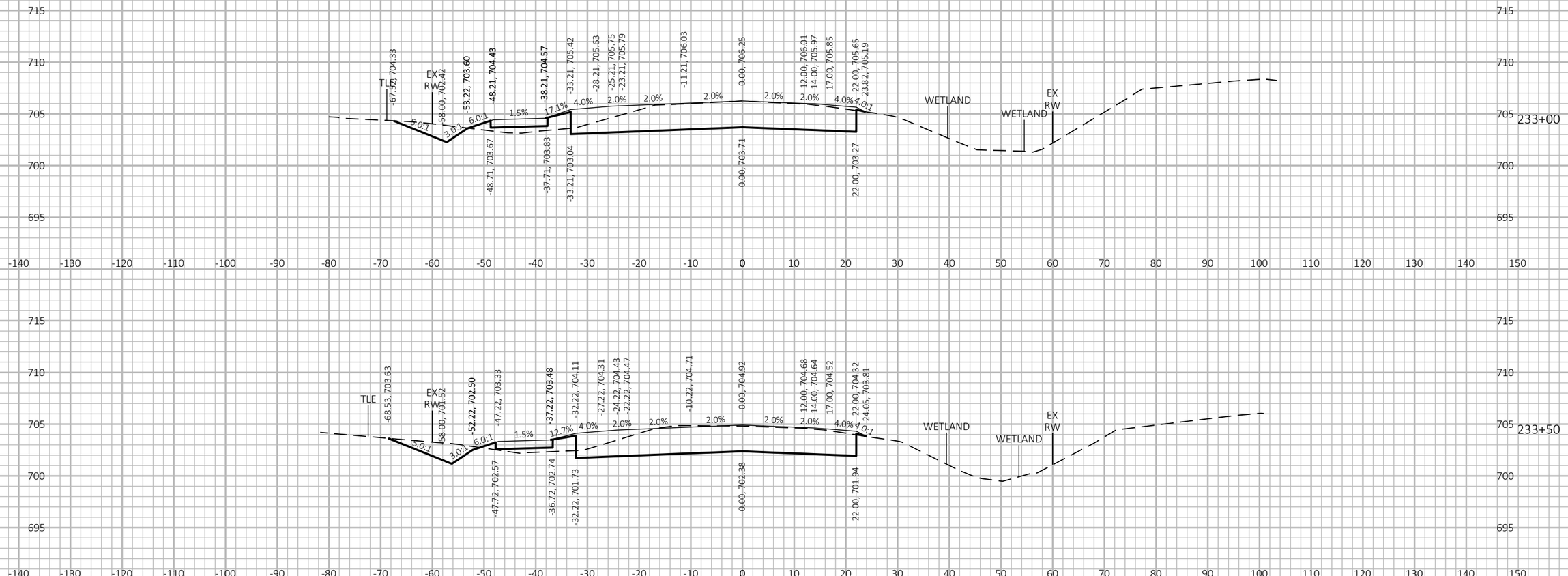
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 670	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090324-xs

PLOT DATE : 3/20/2024 12:25 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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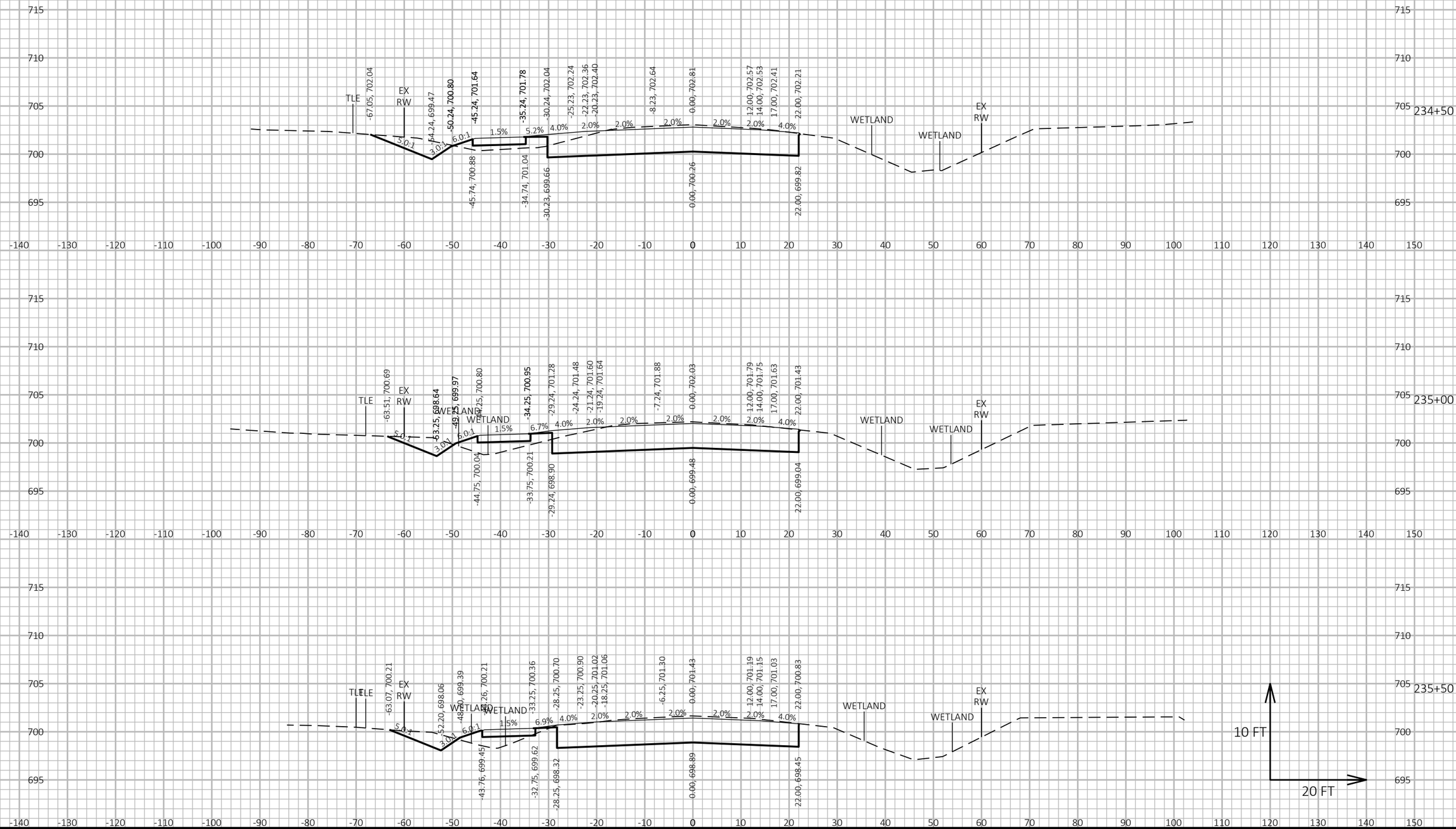
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 671	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090325-xs

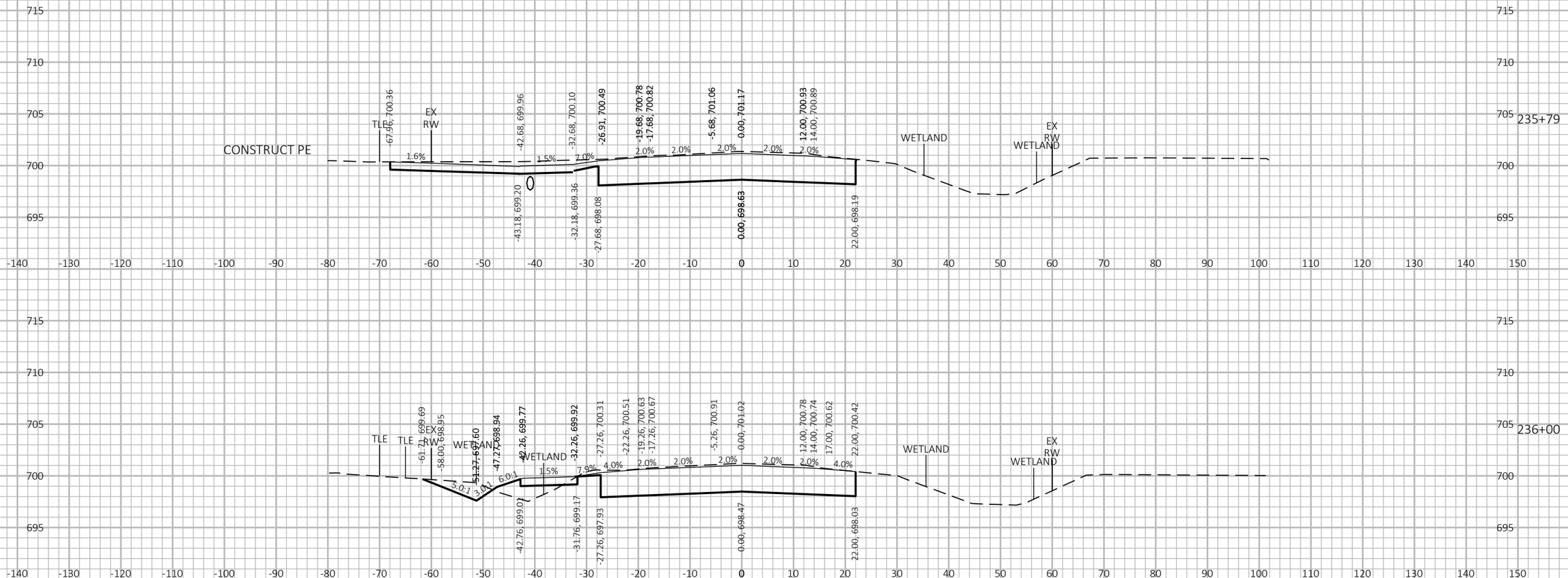
PLOT DATE : 3/20/2024 12:25 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 672	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090326-xs
PLOT DATE : 3/20/2024 12:25 PM
PLOT BY : NOTSON, ERIC
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 673	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090327-xs

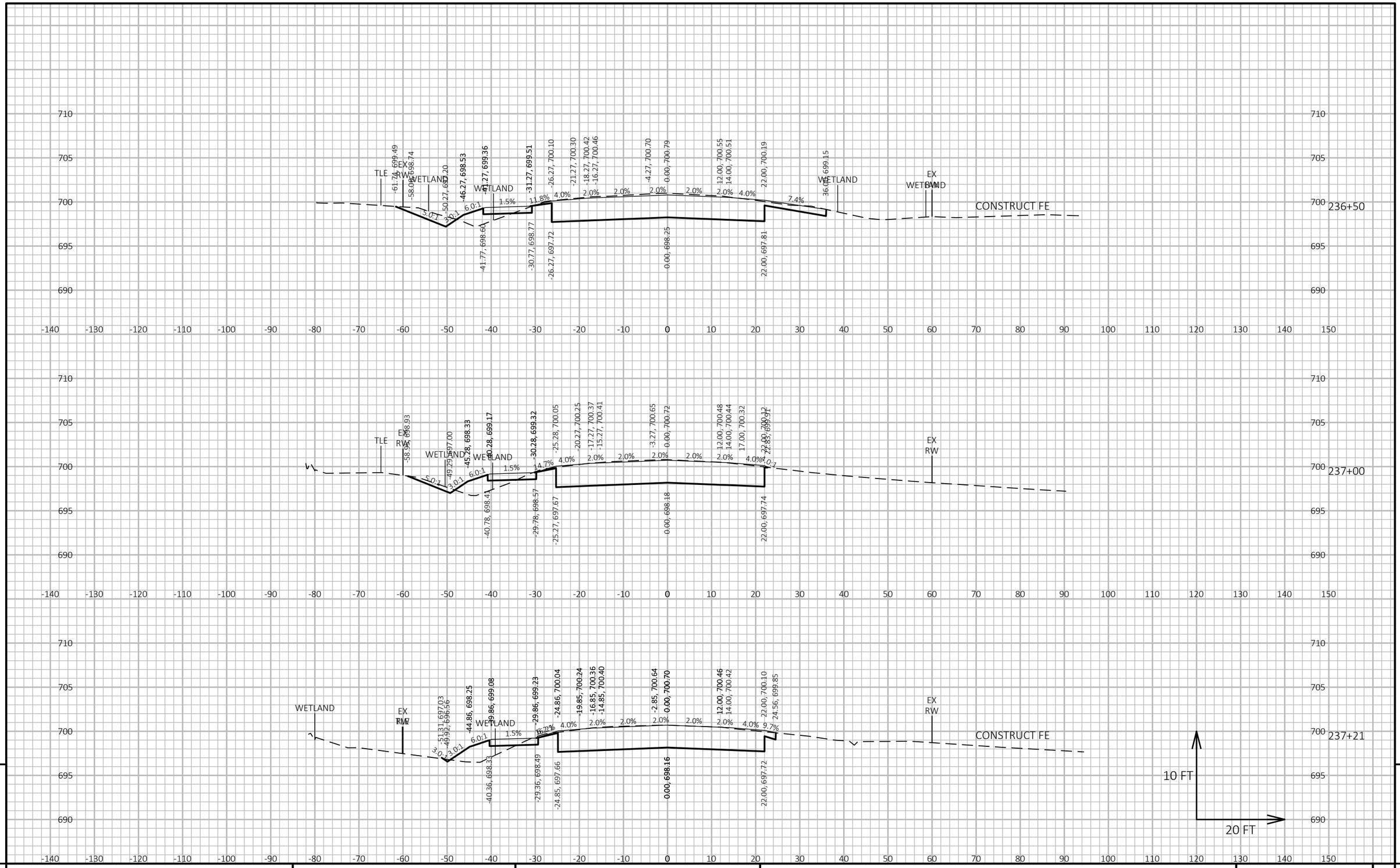
PLOT DATE : 3/20/2024 12:25 PM

PLOT BY : NOTSON, ERIC

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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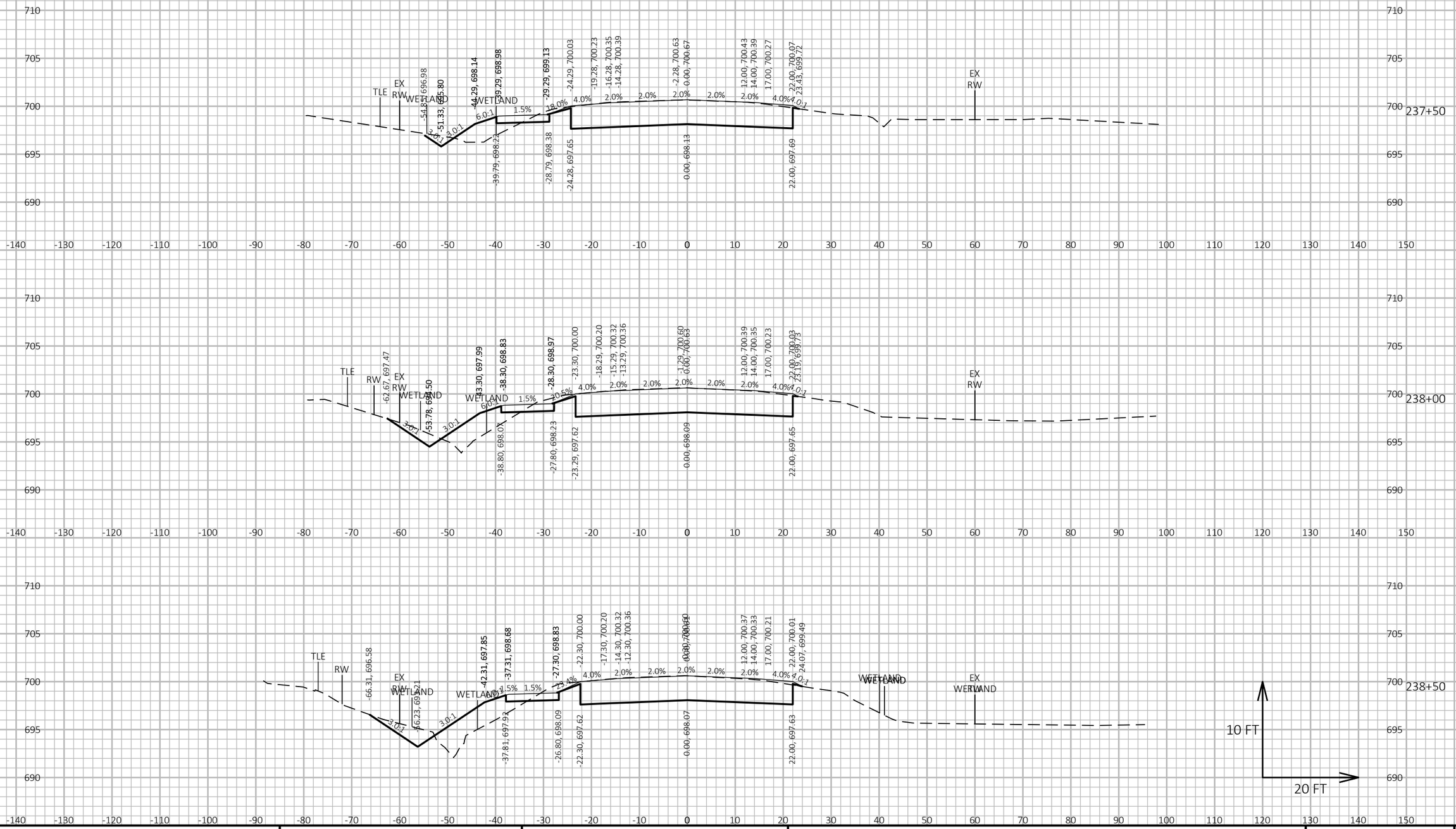
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 674	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090328-xs

PLOT DATE : 3/20/2024 12:25 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

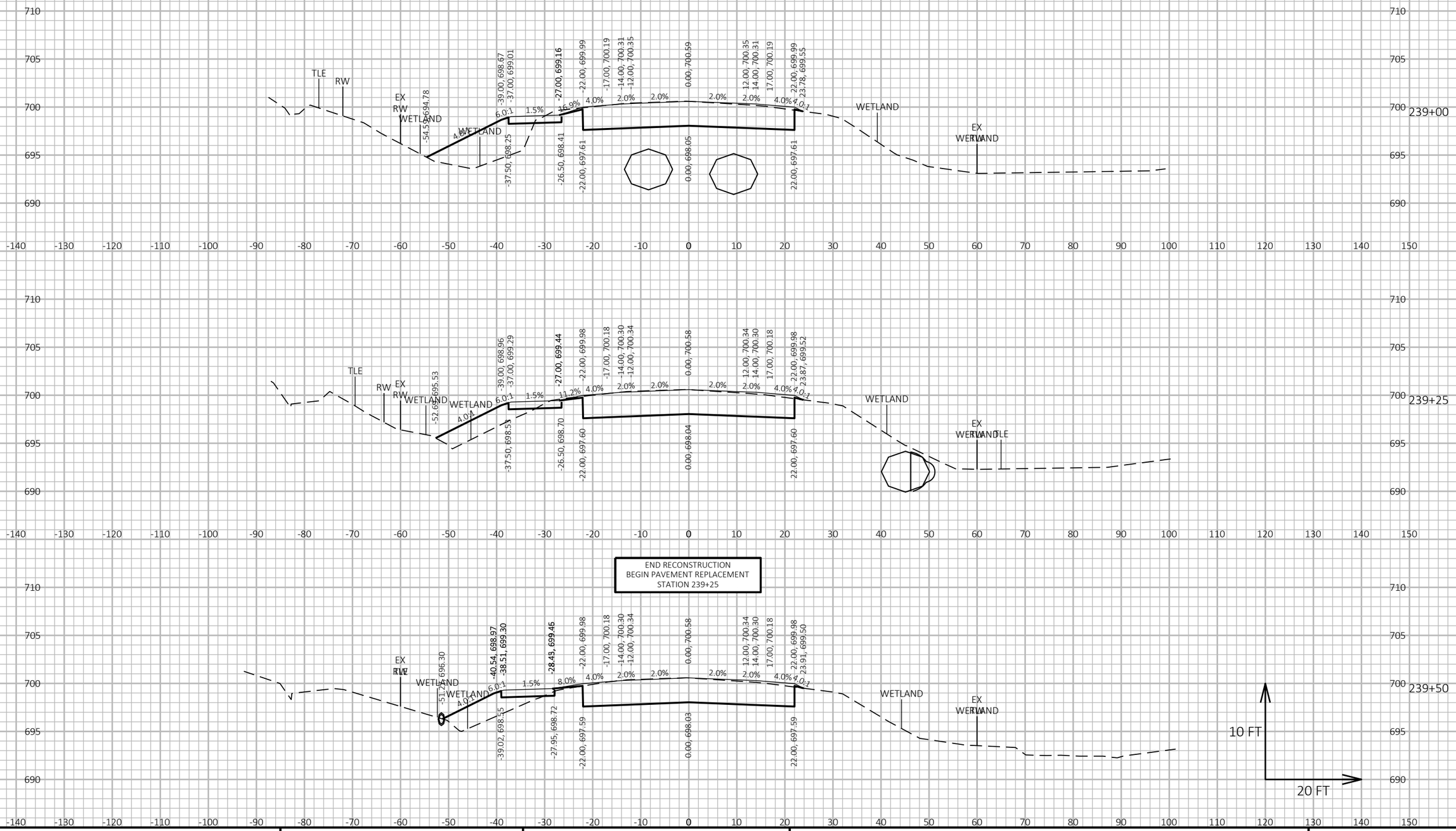


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 675 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090329-xs

PLOT DATE : 3/20/2024 12:26 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

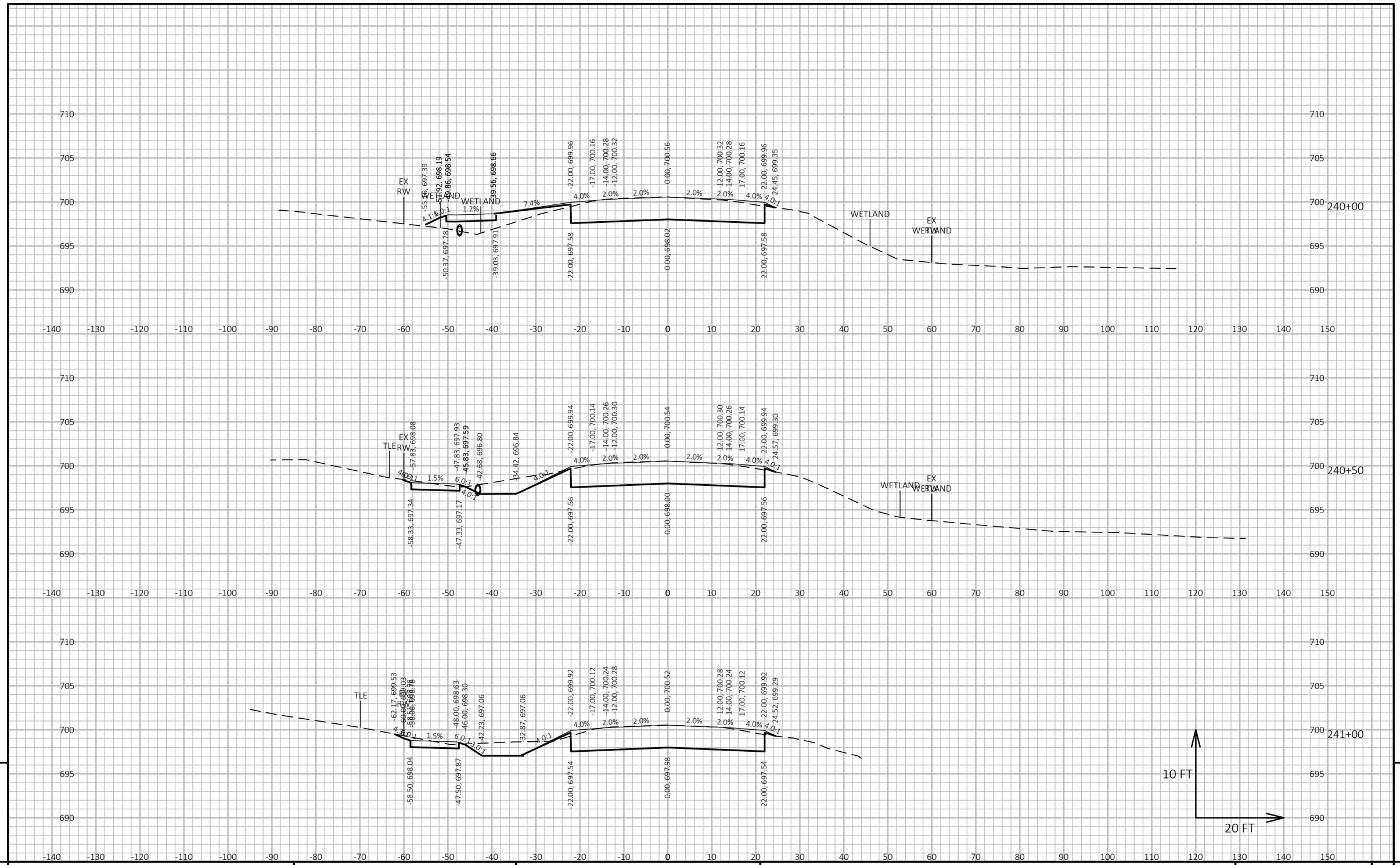


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 676	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090330-xs

PLOT DATE : 4/2/2024 9:16 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

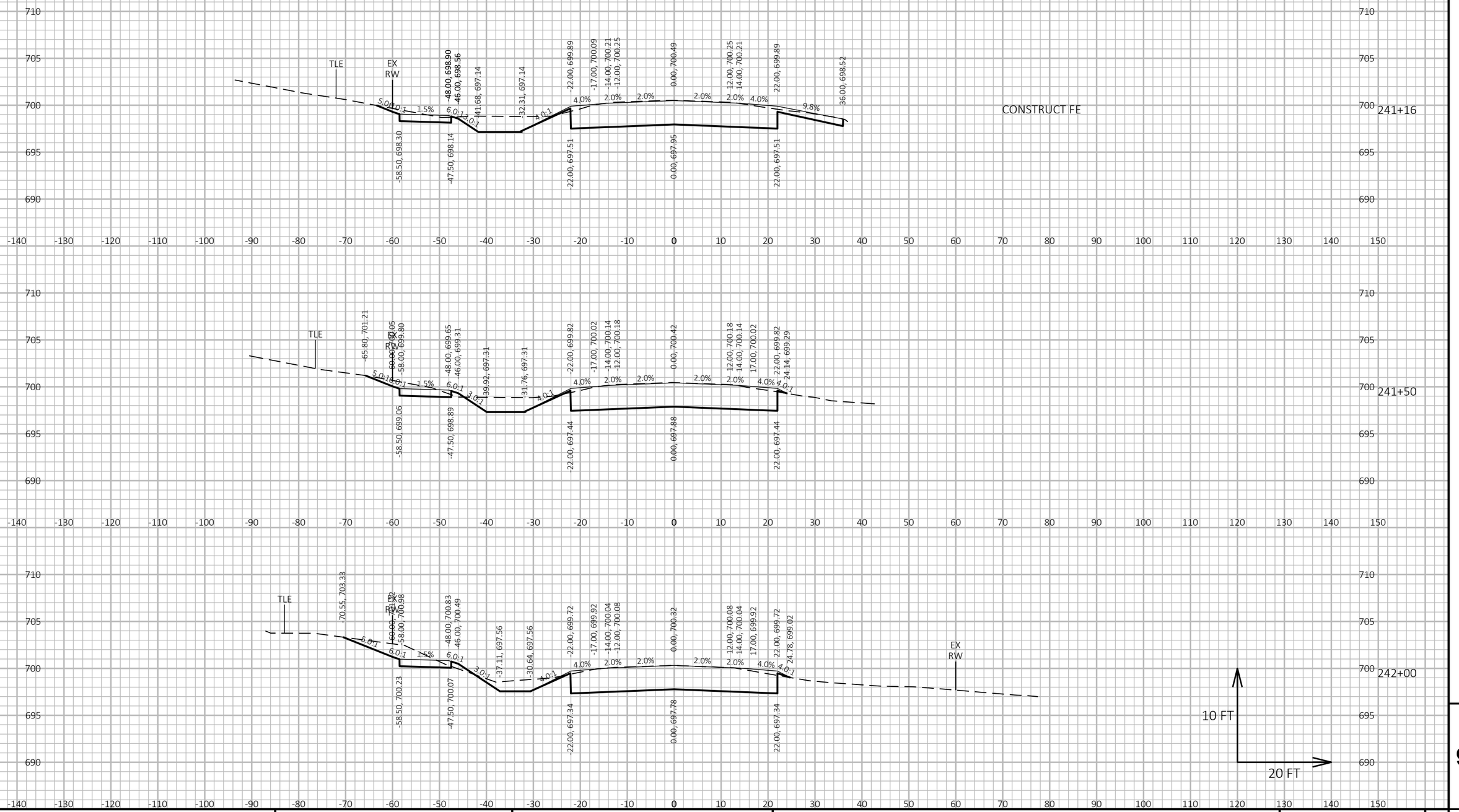


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 677	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090331-xs

PLOT DATE : 3/20/2024 12:26 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

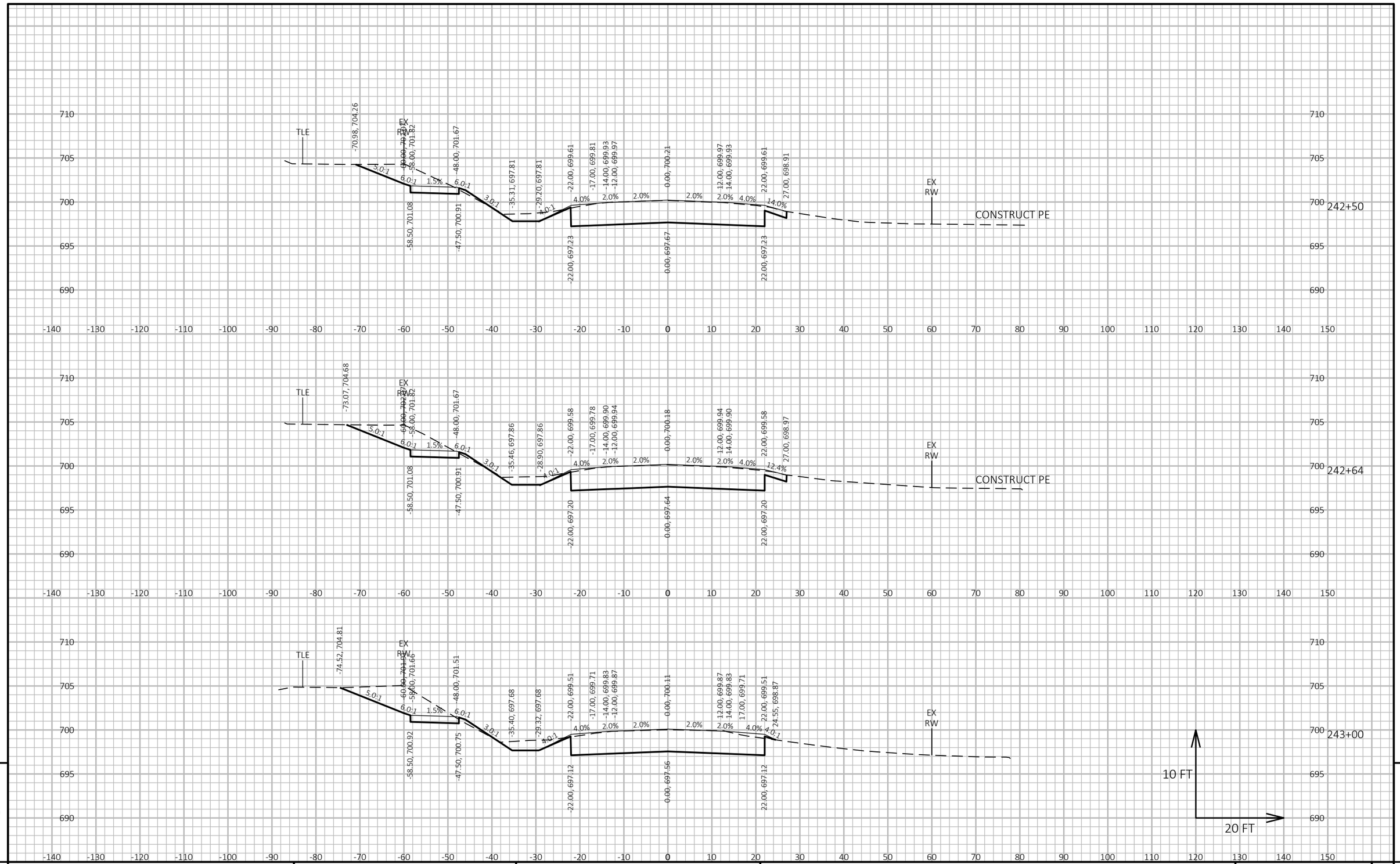
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 678	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090332-xs

PLOT DATE : 3/20/2024 12:26 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

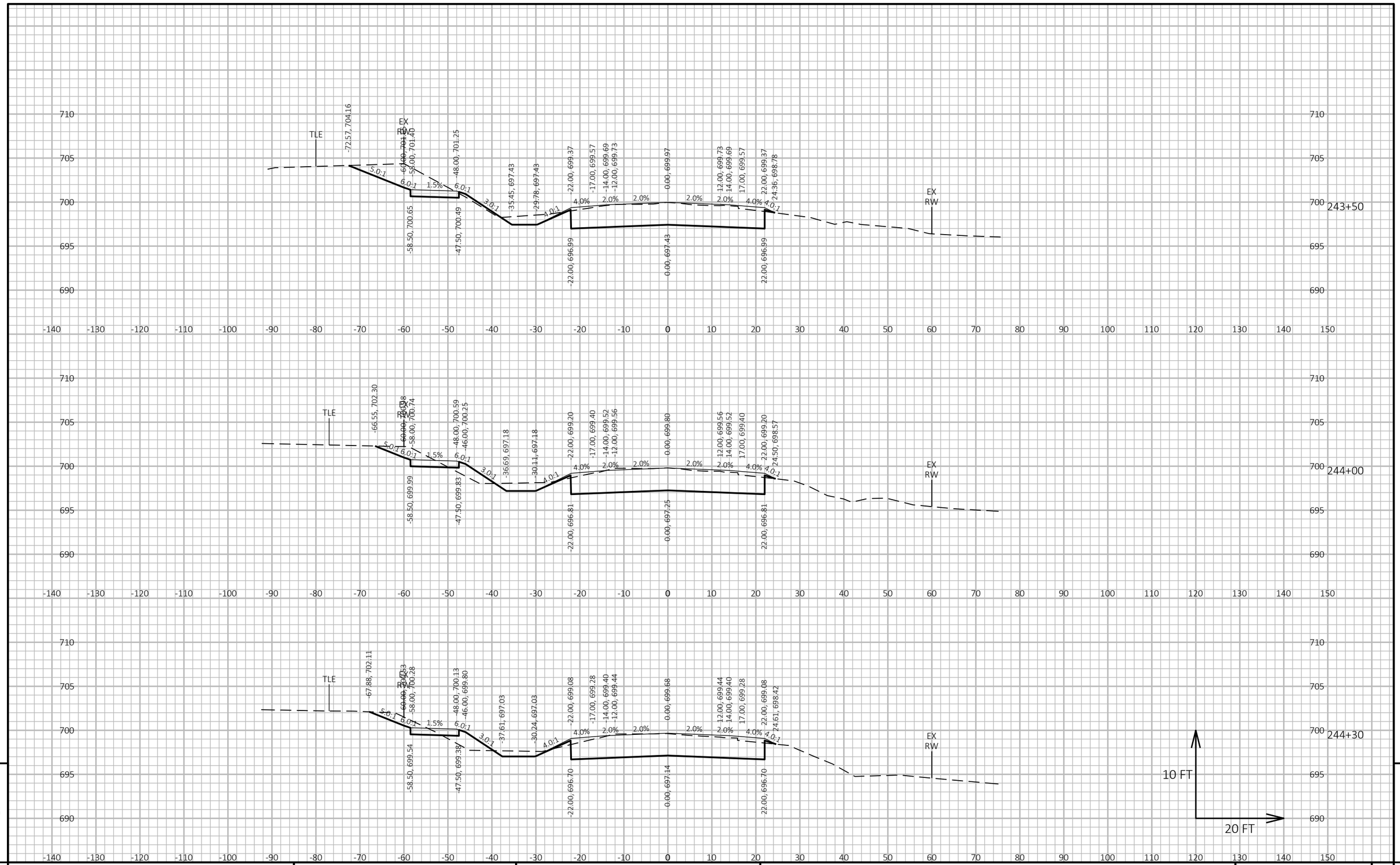
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 679	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090333-xs

PLOT DATE : 3/20/2024 12:26 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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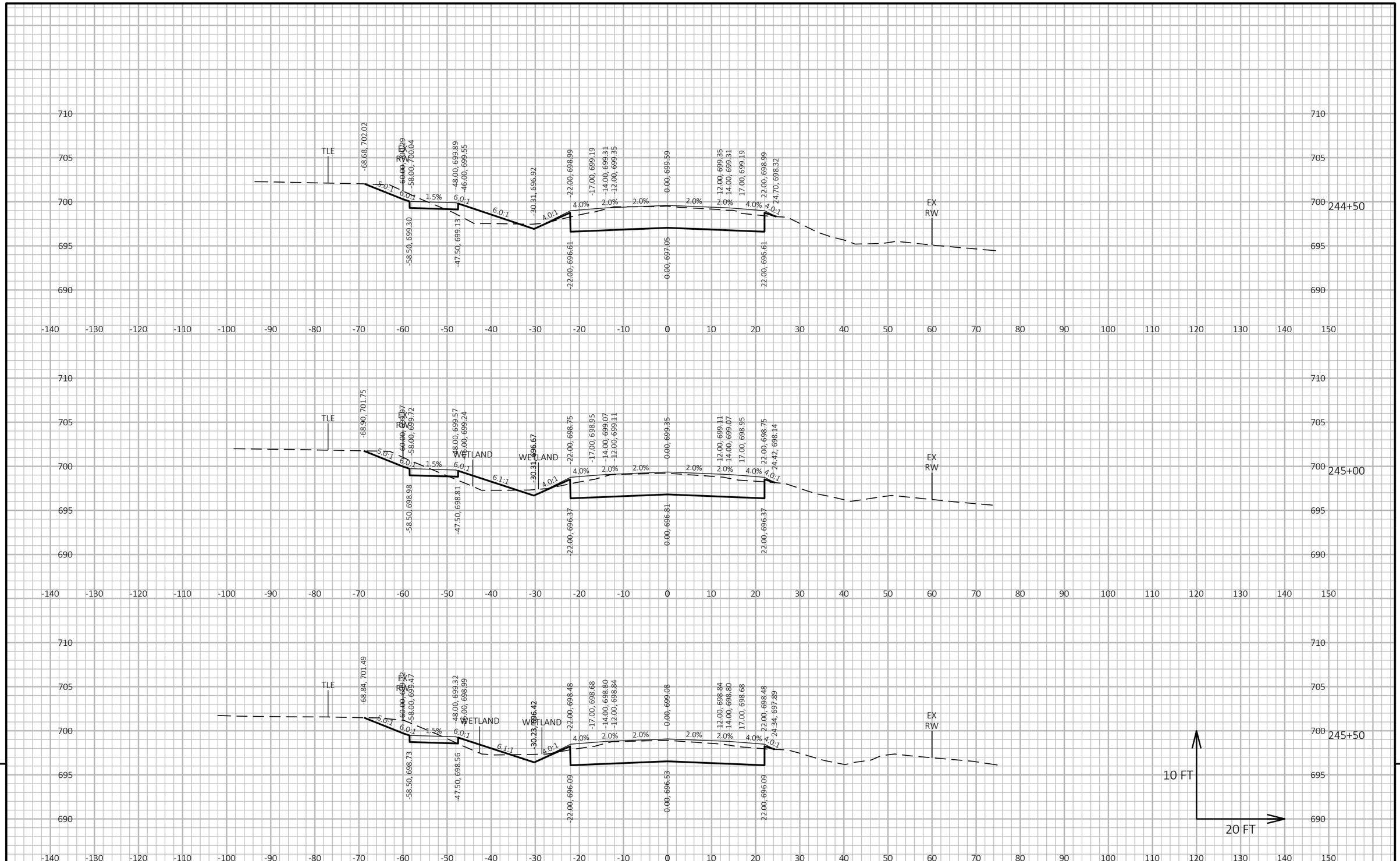
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 680	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090334-xs

PLOT DATE : 3/20/2024 12:26 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

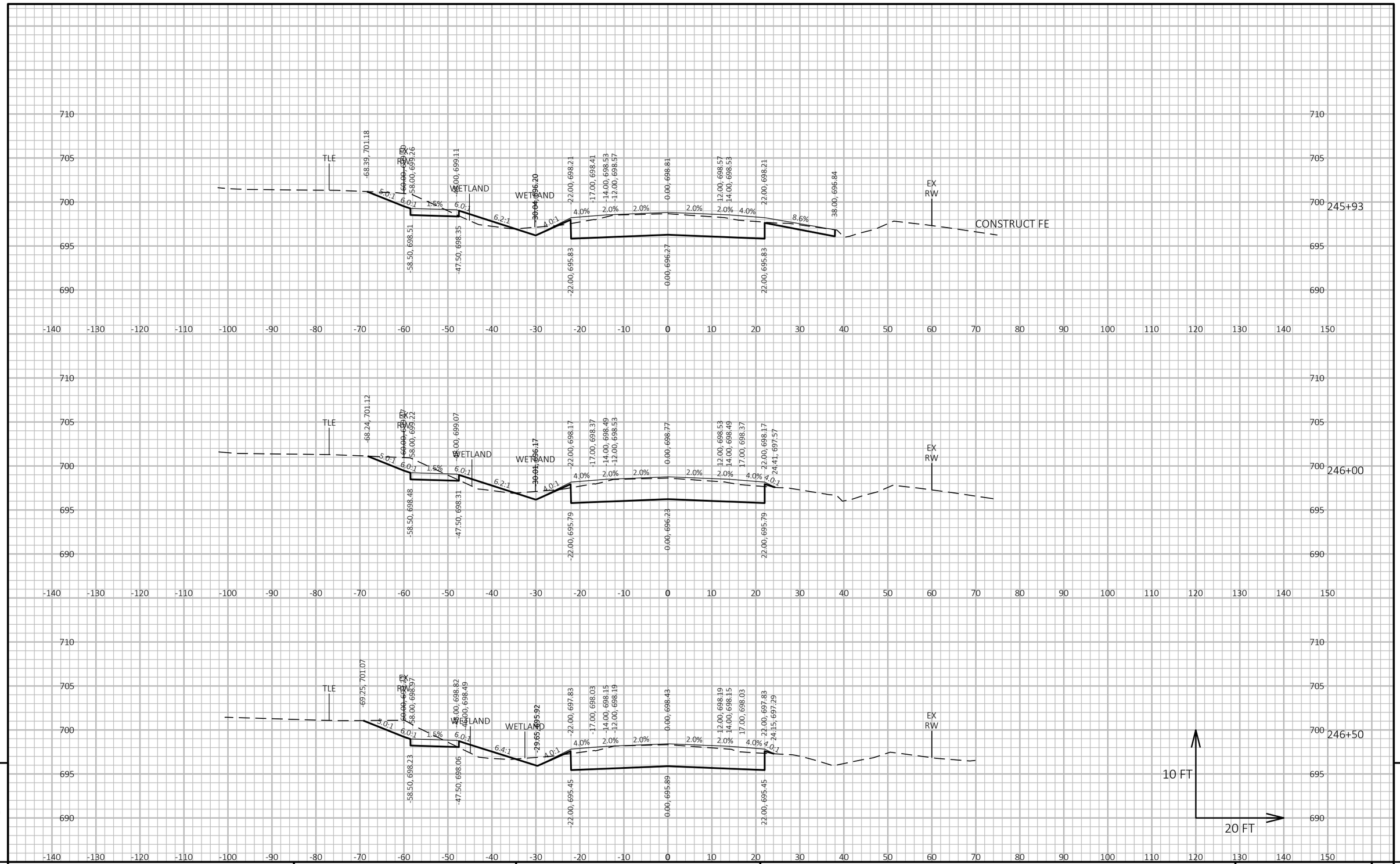


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 681	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090335-xs

PLOT DATE : 3/20/2024 12:26 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

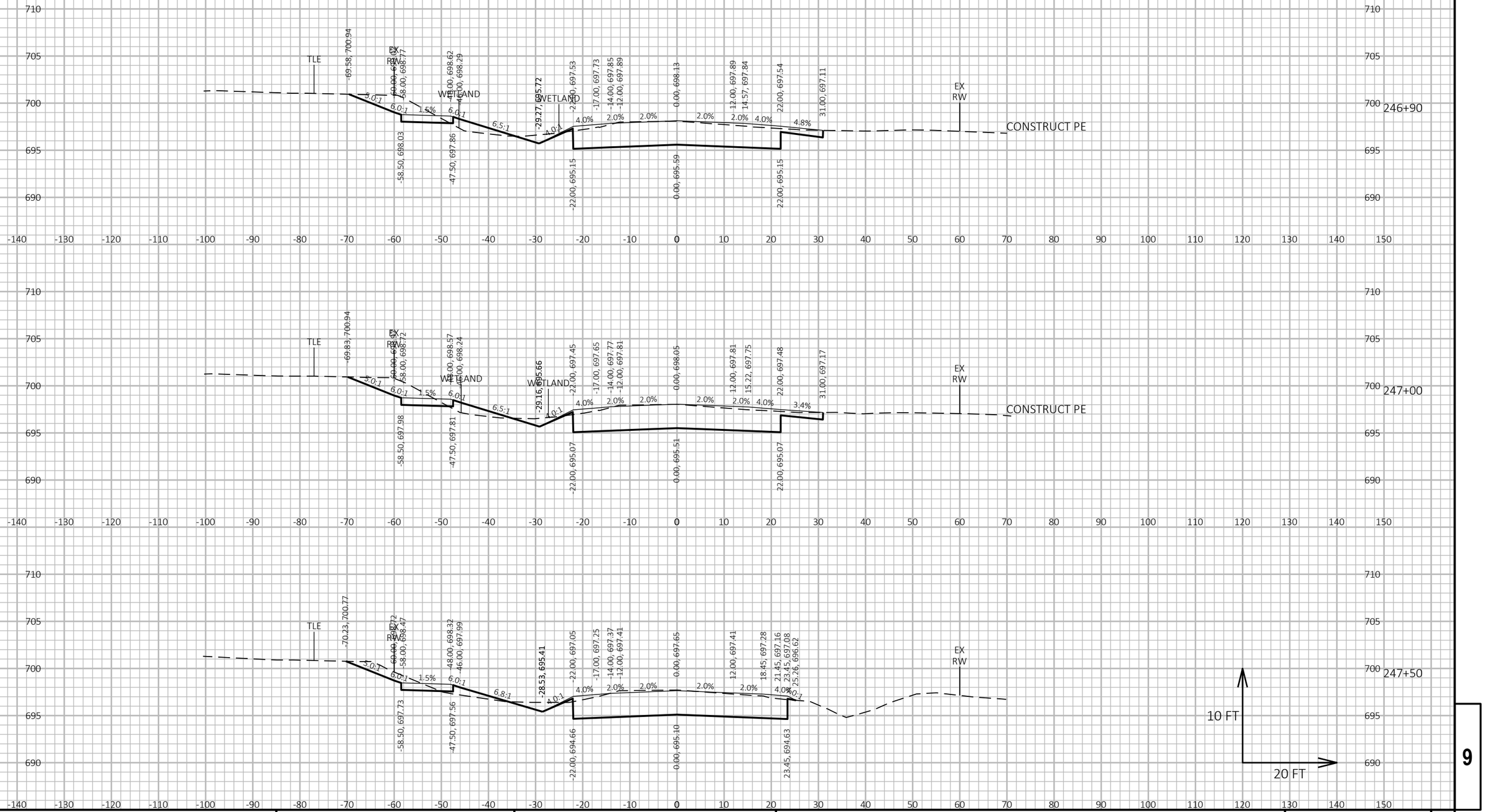
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 682	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090336-xs

PLOT DATE : 3/20/2024 12:26 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

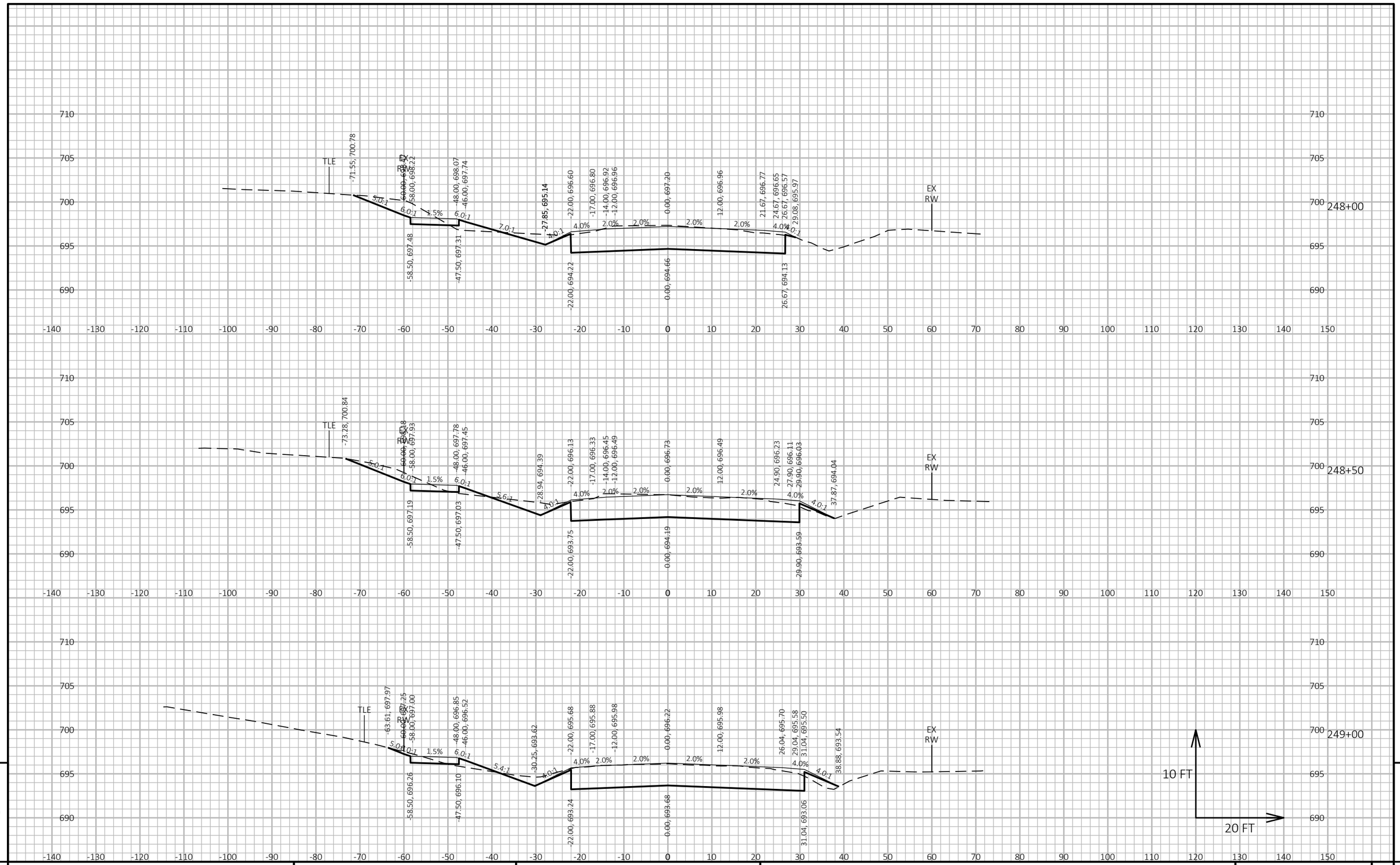


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 683	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090337-xs

PLOT DATE : 3/20/2024 12:26 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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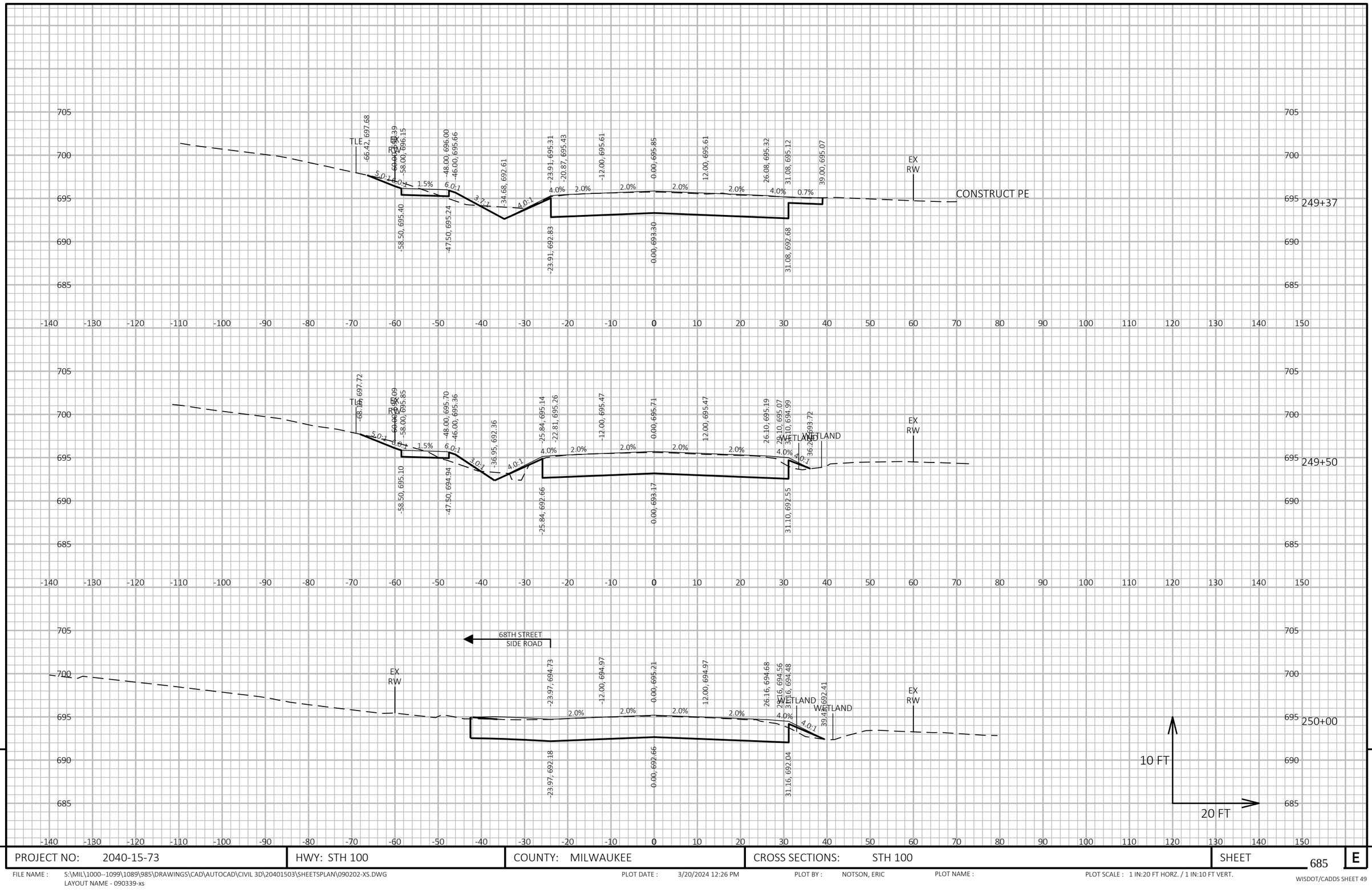
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 684	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090338-xs

PLOT DATE : 3/20/2024 12:26 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

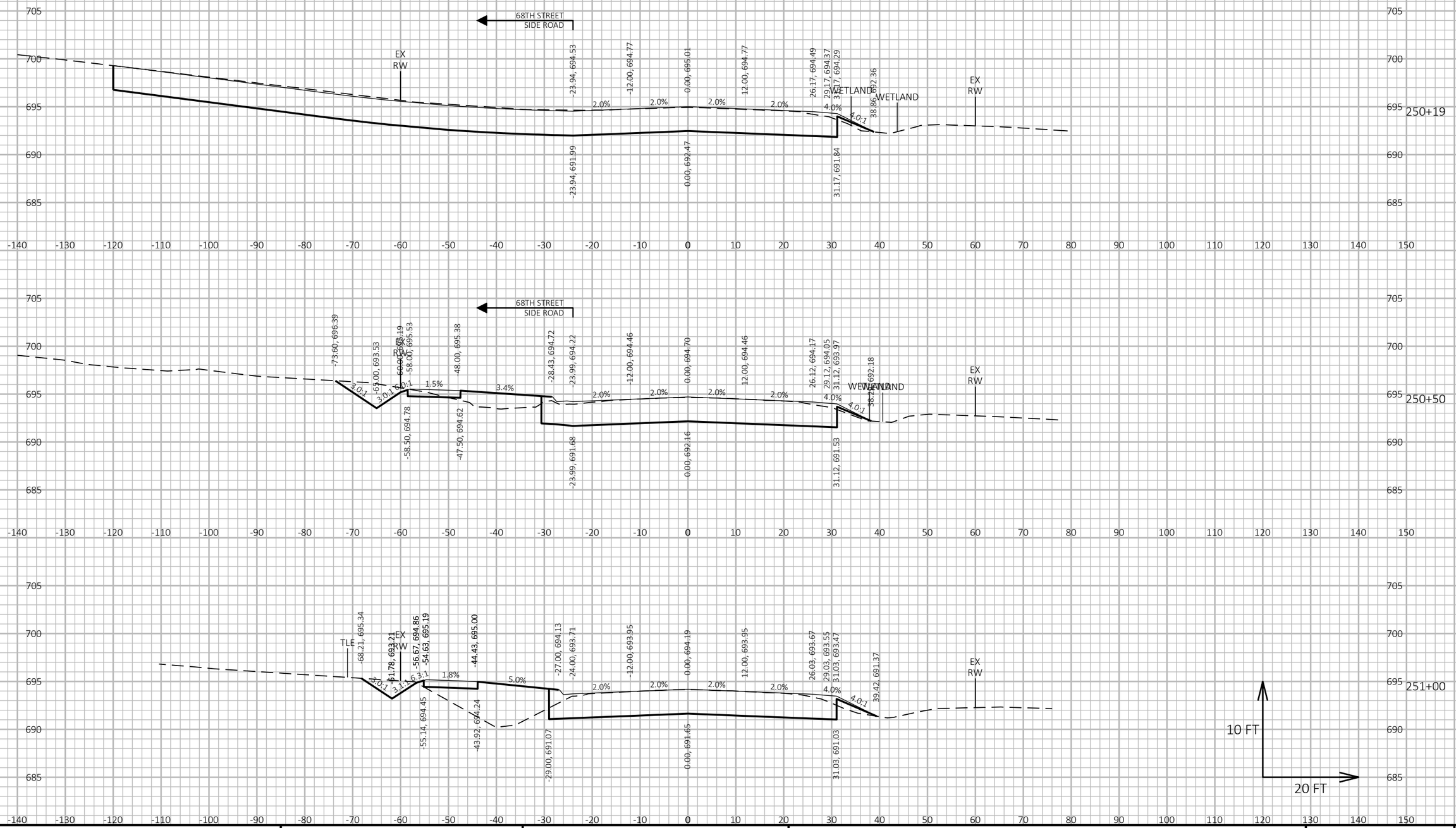
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 685	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090339-xs

PLOT DATE : 3/20/2024 12:26 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



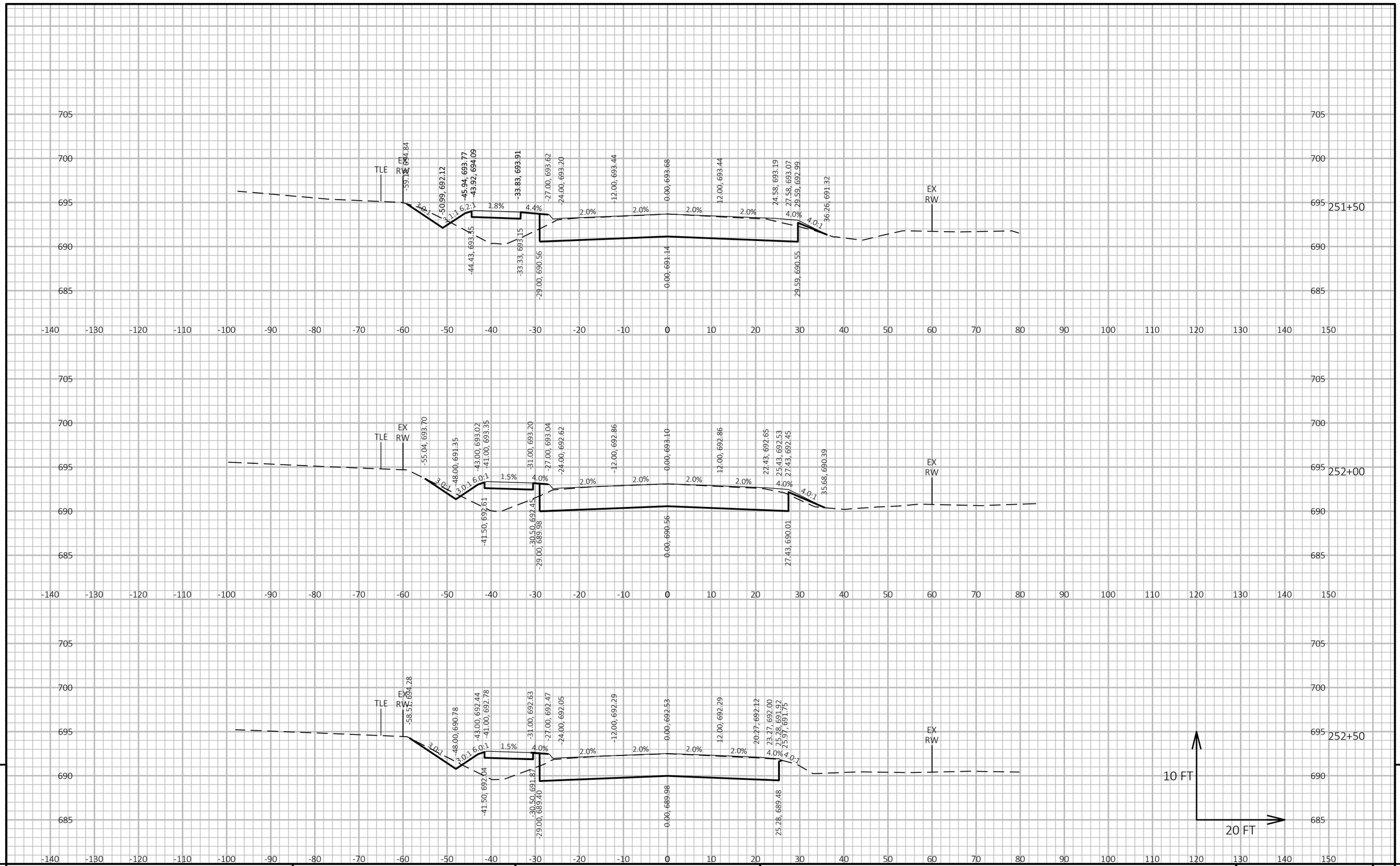
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 686	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090340-xs

PLOT DATE : 3/20/2024 12:26 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

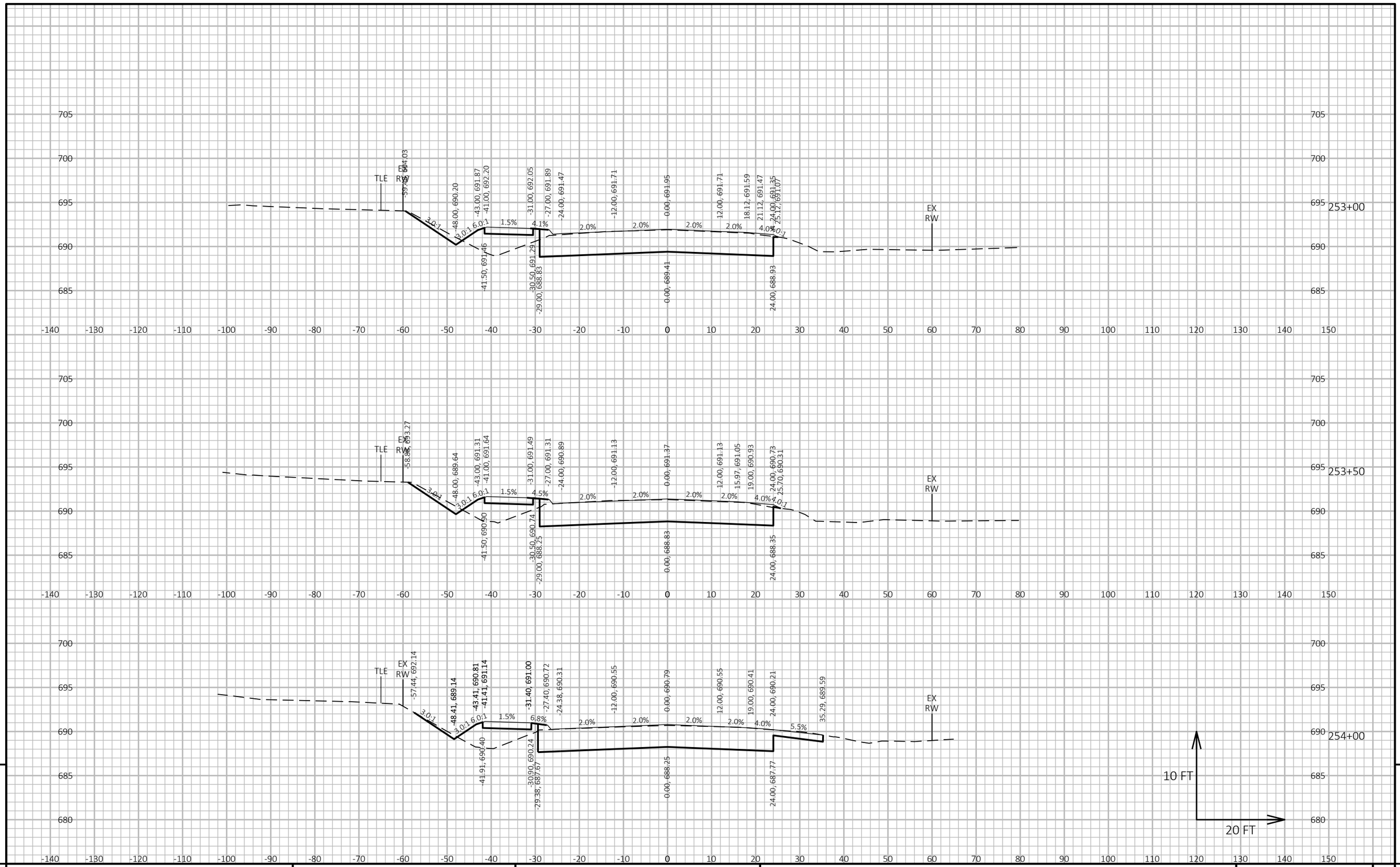
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 687	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090341-xs

PLOT DATE : 3/20/2024 12:27 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

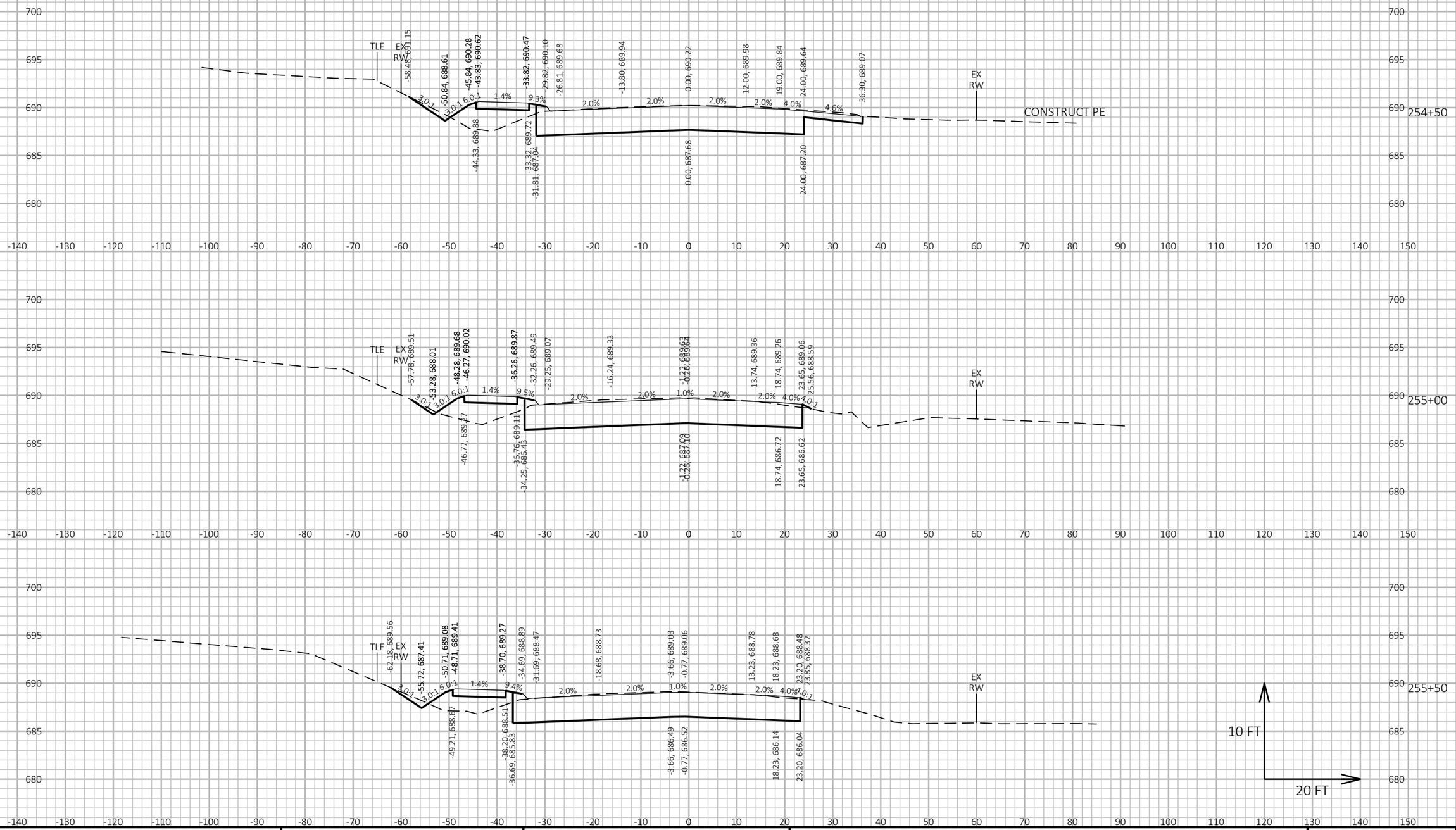
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 688	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090342-xs

PLOT DATE : 3/20/2024 12:27 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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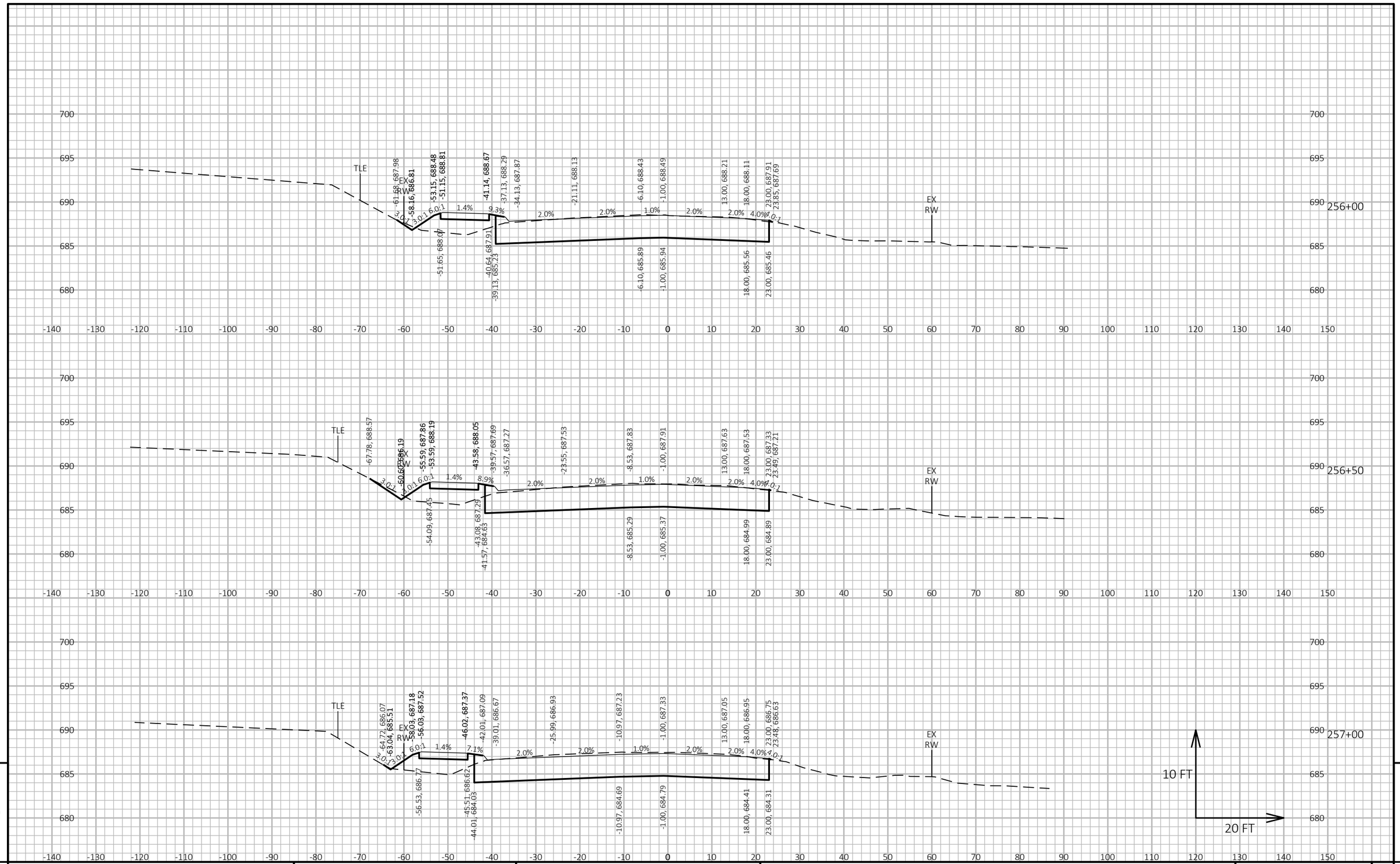
9

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 689	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090343-xs

PLOT DATE : 3/20/2024 12:27 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



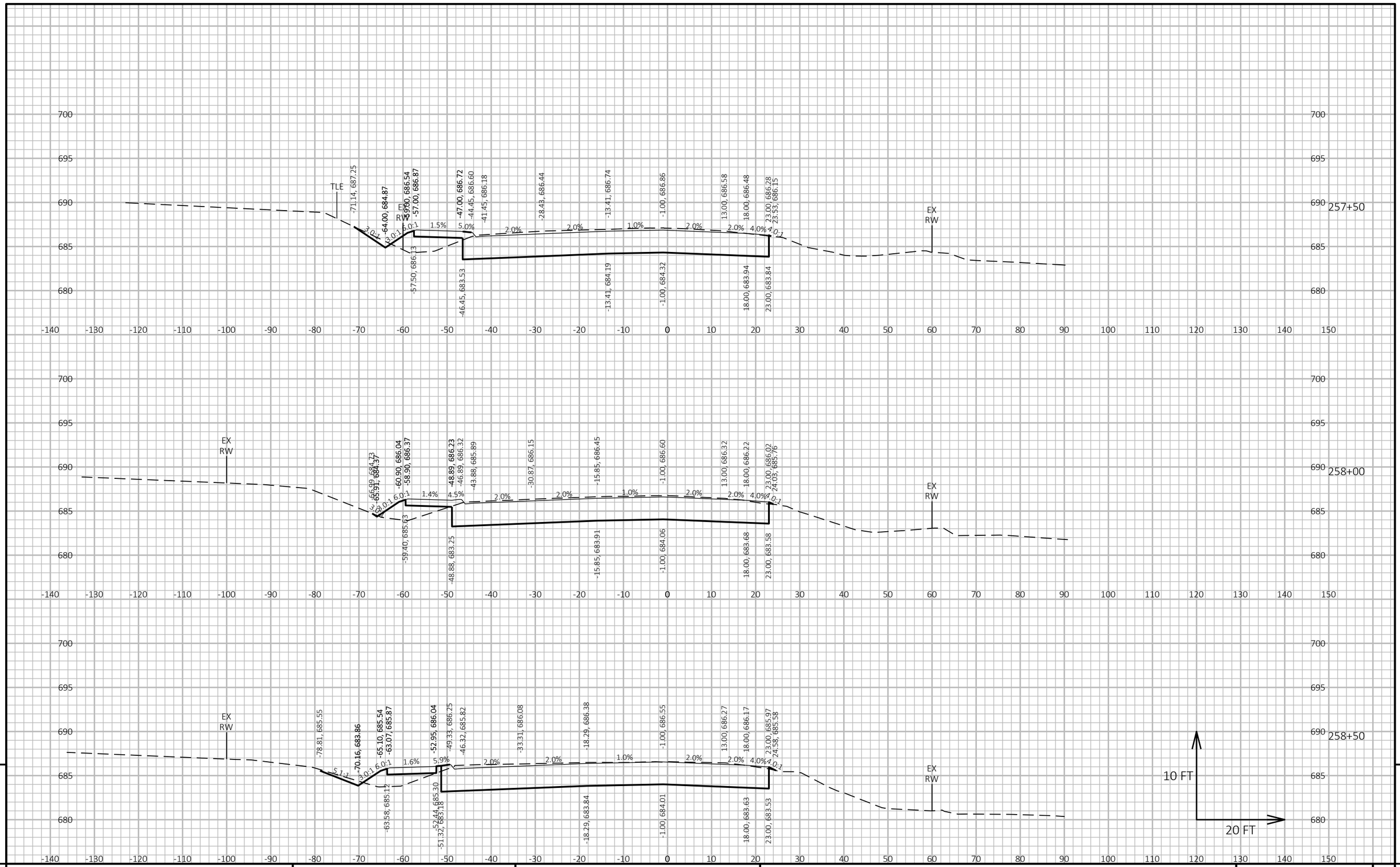
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 690 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090344-xs

PLOT DATE : 3/20/2024 12:27 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

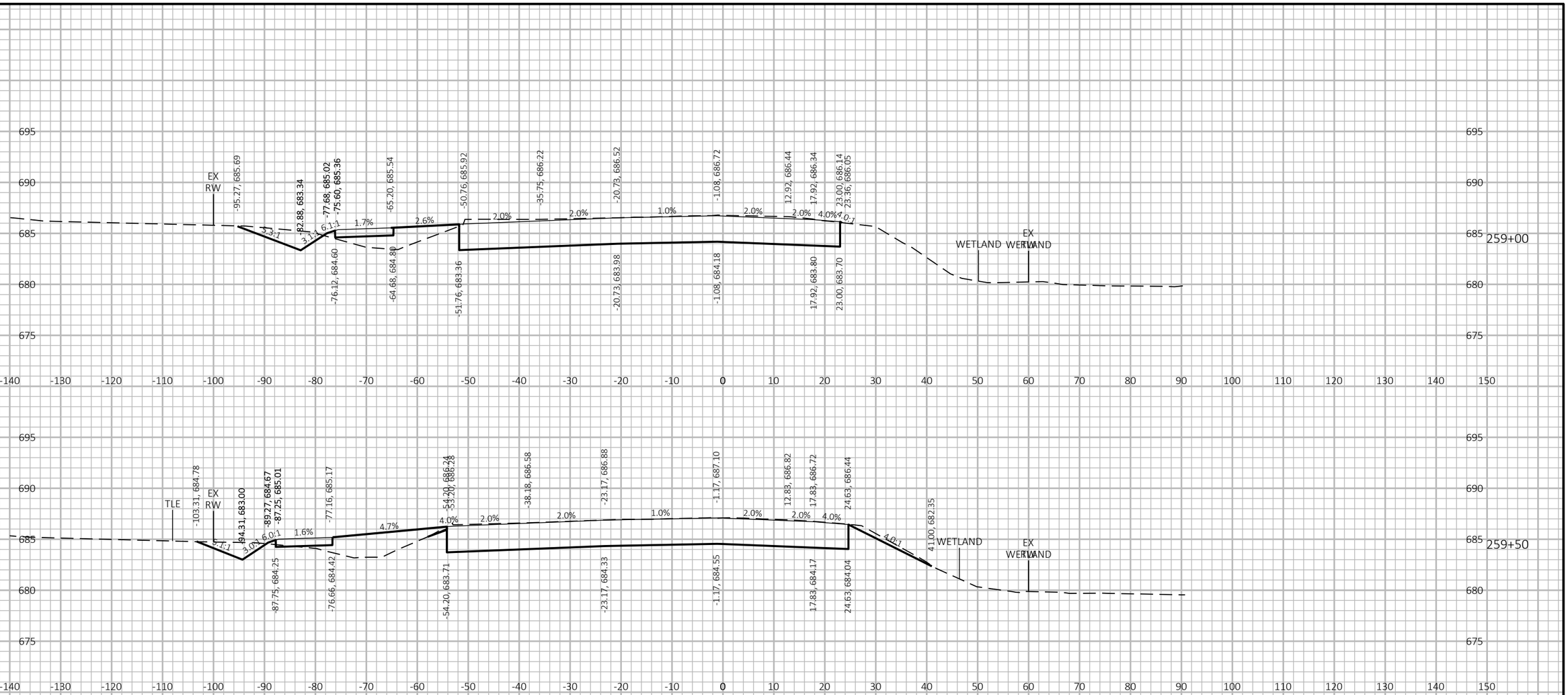


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 691	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090345-xs

PLOT DATE : 3/20/2024 12:27 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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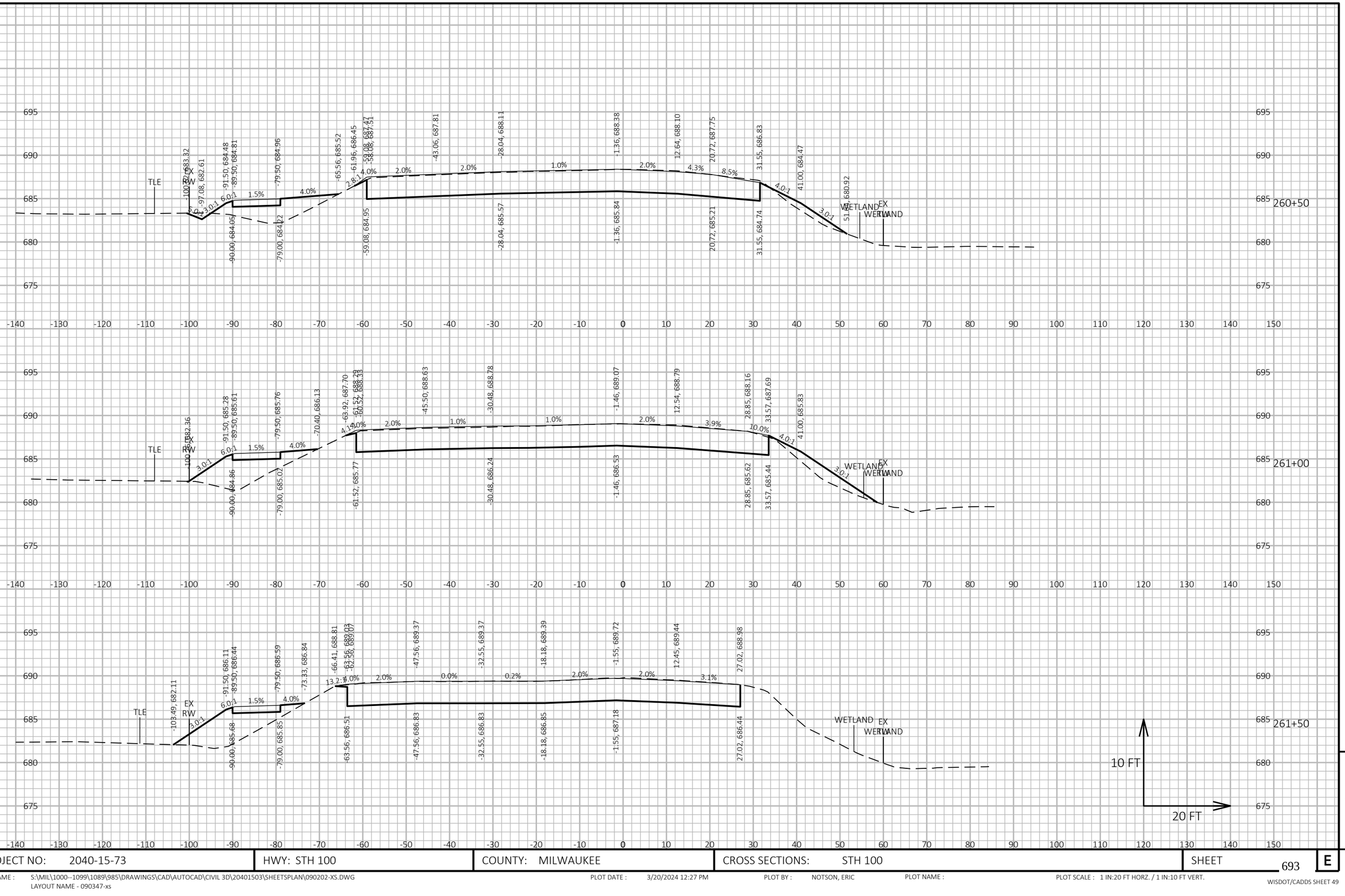
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 692	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090346-xs

PLOT DATE : 3/20/2024 12:27 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

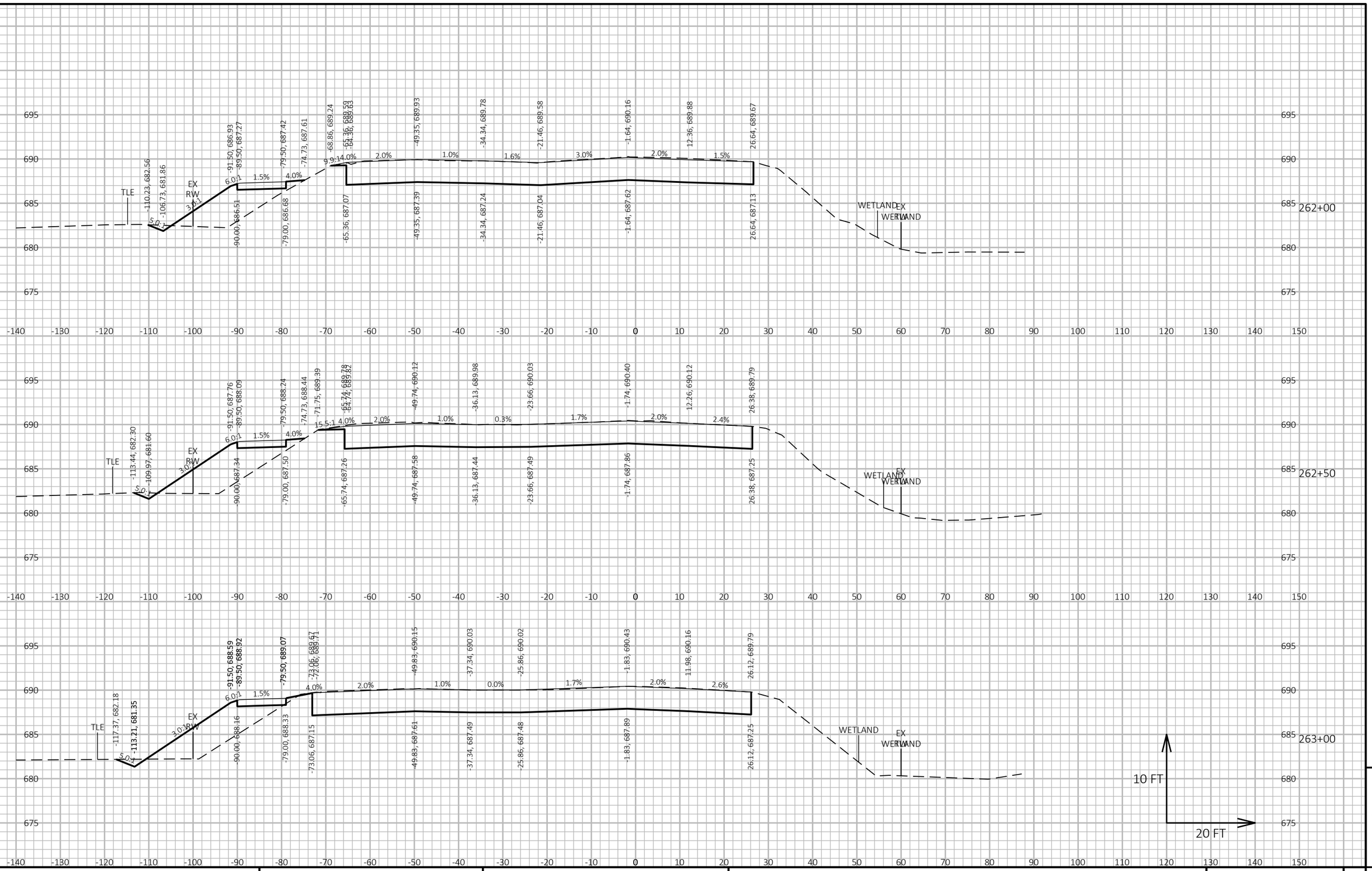


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 693	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090347-xs

PLOT DATE : 3/20/2024 12:27 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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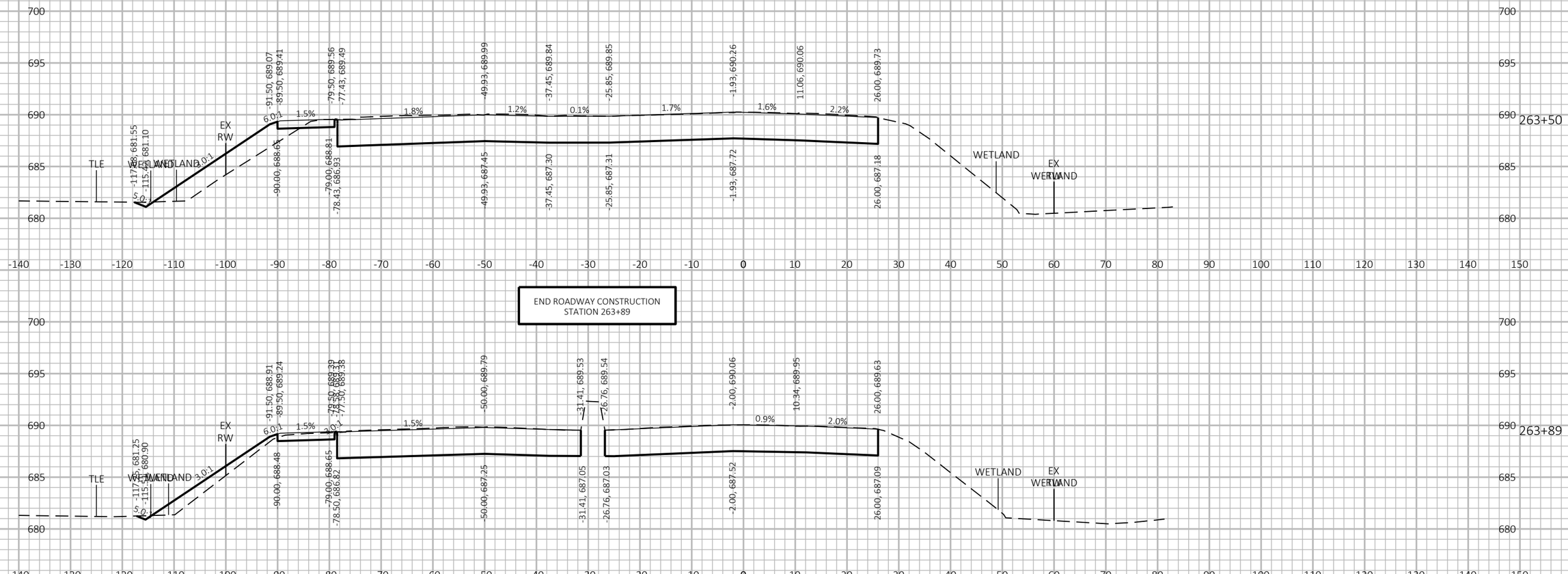
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 694	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090348-xs

PLOT DATE : 3/20/2024 12:27 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 695	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090349-xs

PLOT DATE : 4/2/2024 9:16 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END MULTIUSE PATH CONSTRUCTION
STATION 264+37

695
690
685
680
675

-140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

TLE
WETLAND
WETLAND
EX RW
-90.00, 688.27
-89.50, 689.03
1.5%
-79.50, 689.18
-79.00, 688.43
WETLAND
EX WETLAND
264+33

10 FT
20 FT

9

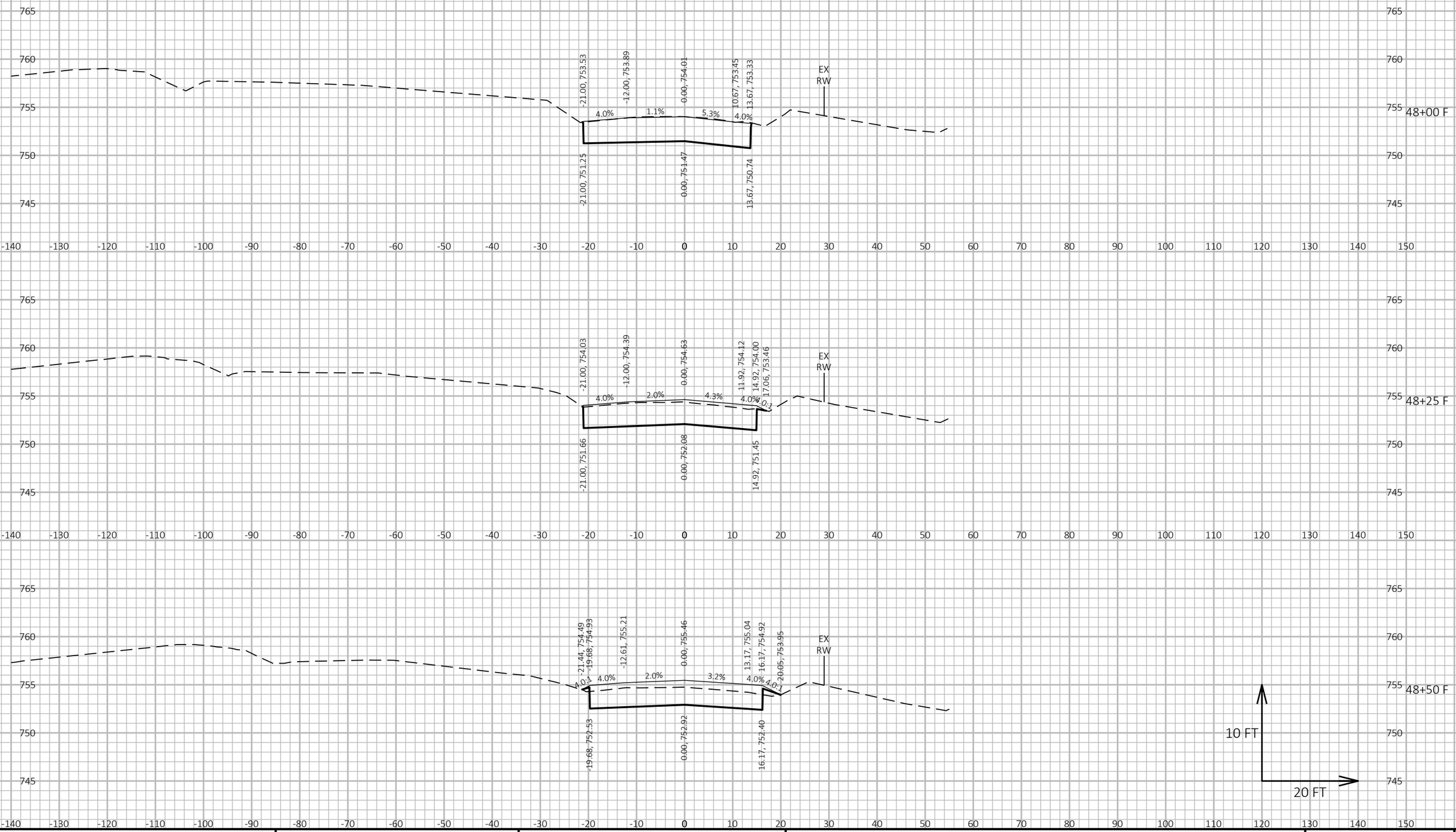
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 100	SHEET 696	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090350-xs

PLOT DATE : 4/2/2024 9:17 AM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



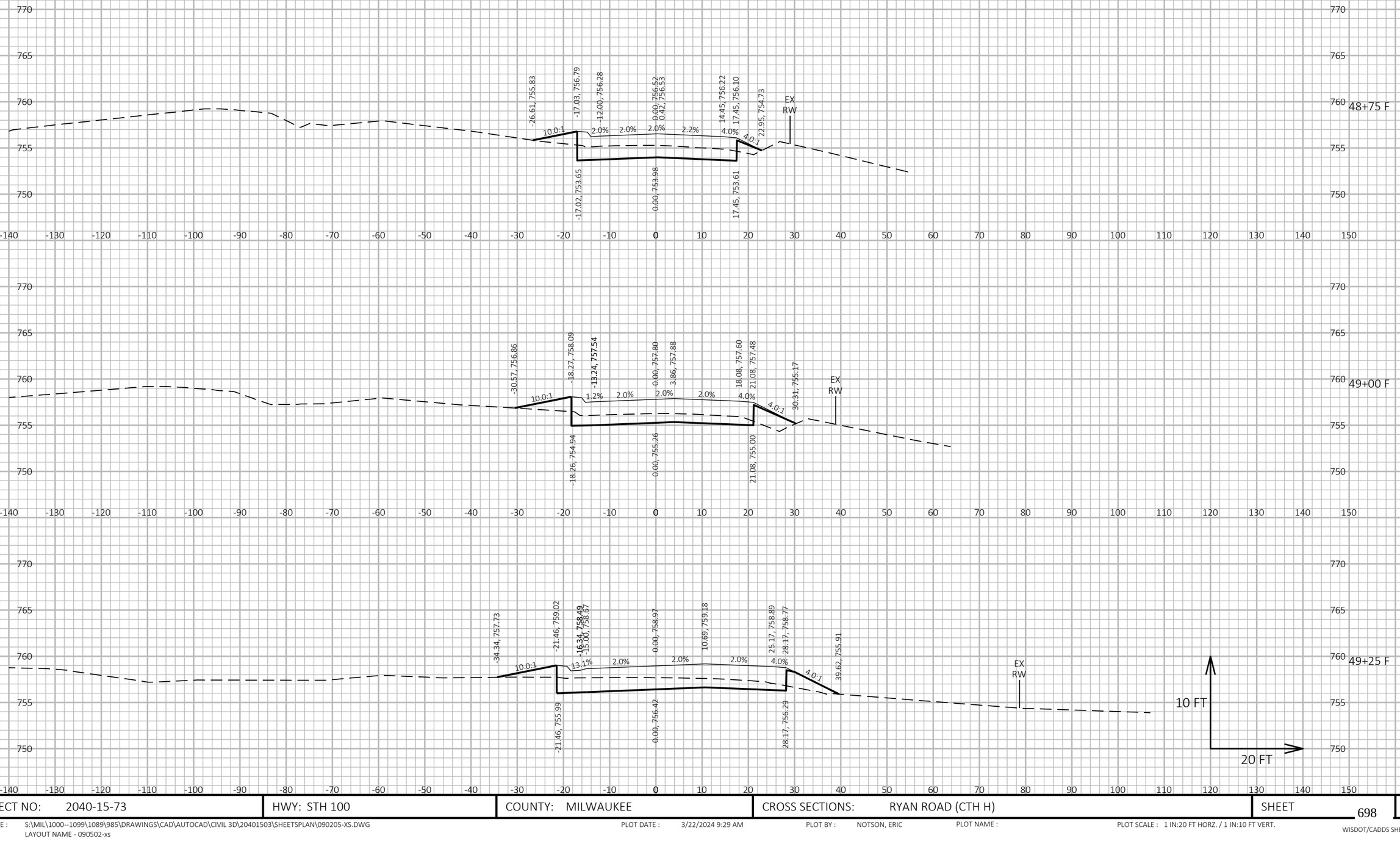
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: RYAN ROAD (CTH H)	SHEET 697	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 090501-xs

PLOT DATE : 3/22/2024 9:29 AM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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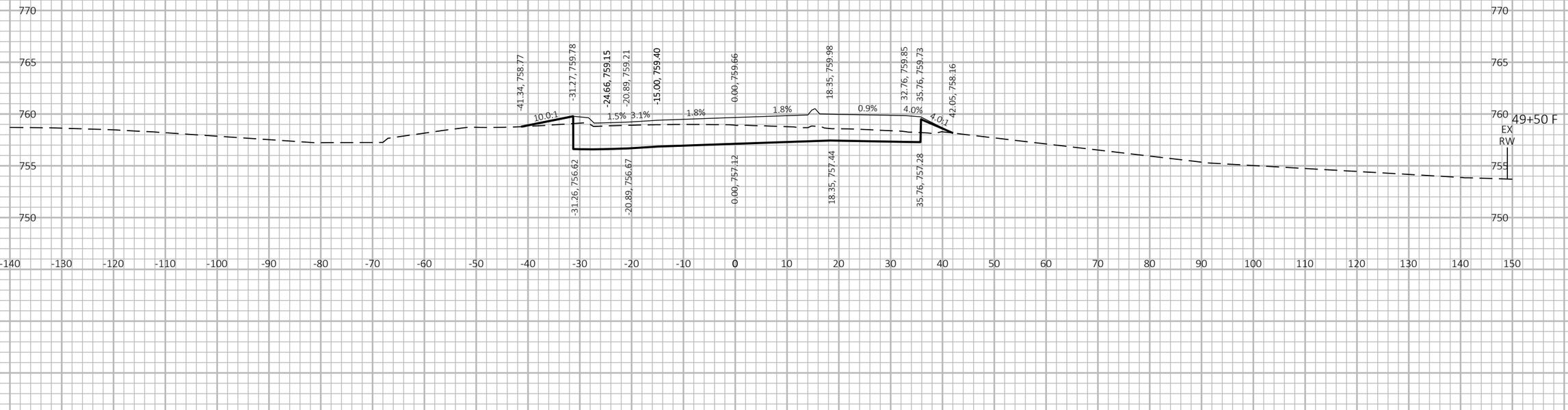
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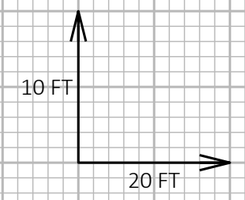
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: RYAN ROAD (CTH H)	SHEET 698	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 090502-xs

PLOT DATE : 3/22/2024 9:29 AM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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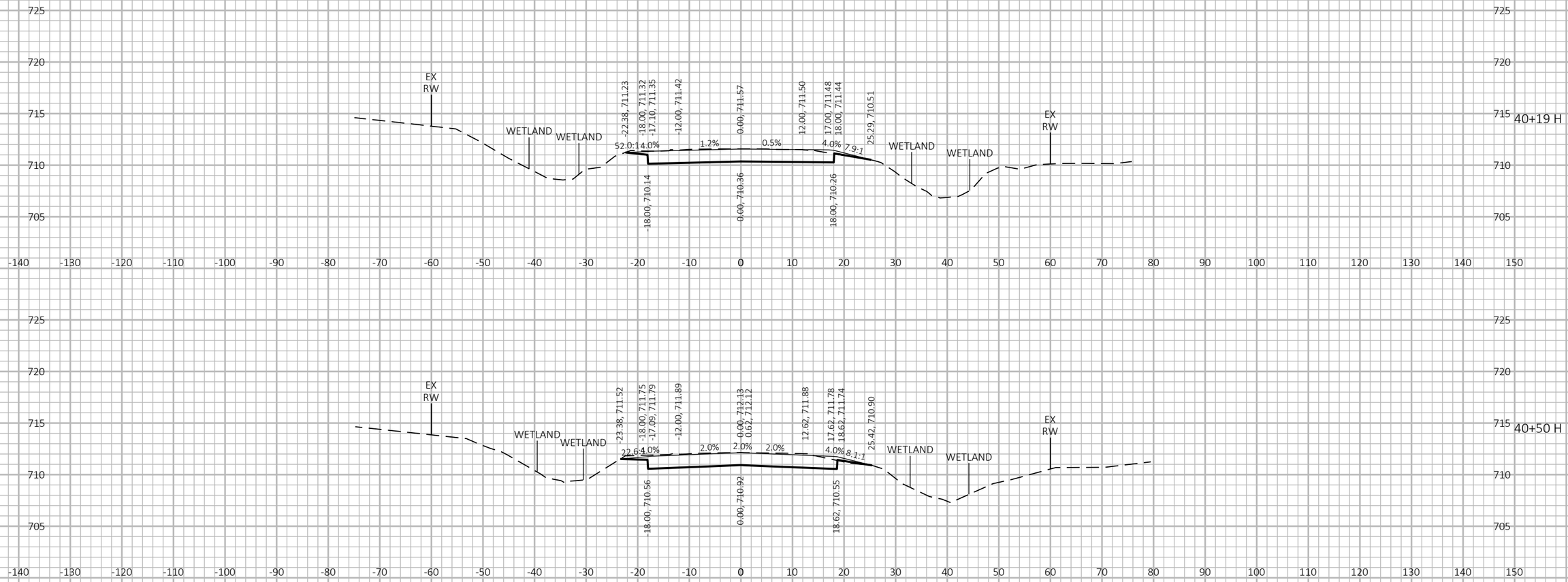
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: RYAN ROAD (CTH H)	SHEET 699	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 090503-xs

PLOT DATE : 3/22/2024 9:29 AM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: 76TH STREET	SHEET 700	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 090401-xs

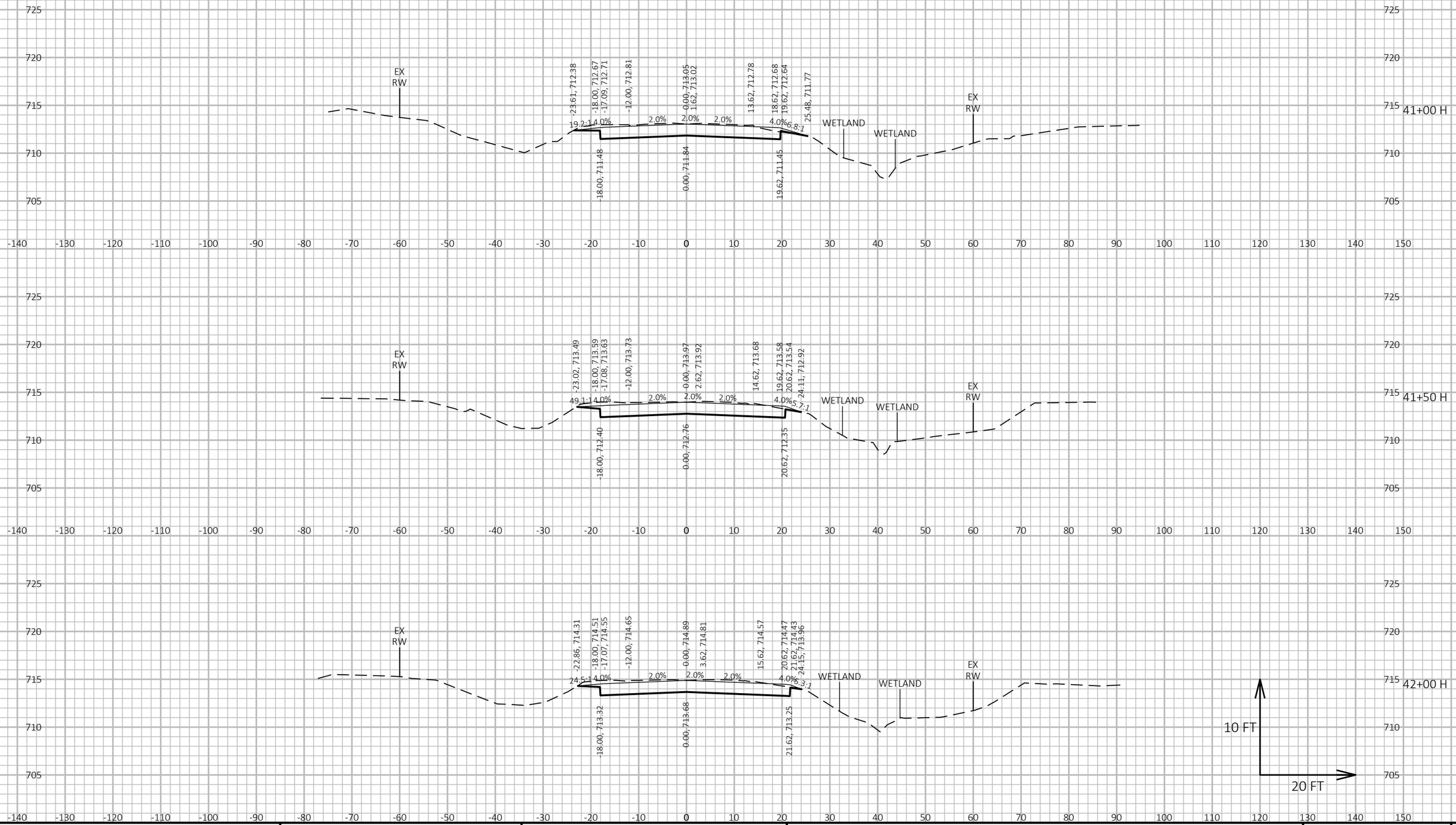
PLOT DATE : 3/22/2024 9:20 AM

PLOT BY : NOTSON, ERIC

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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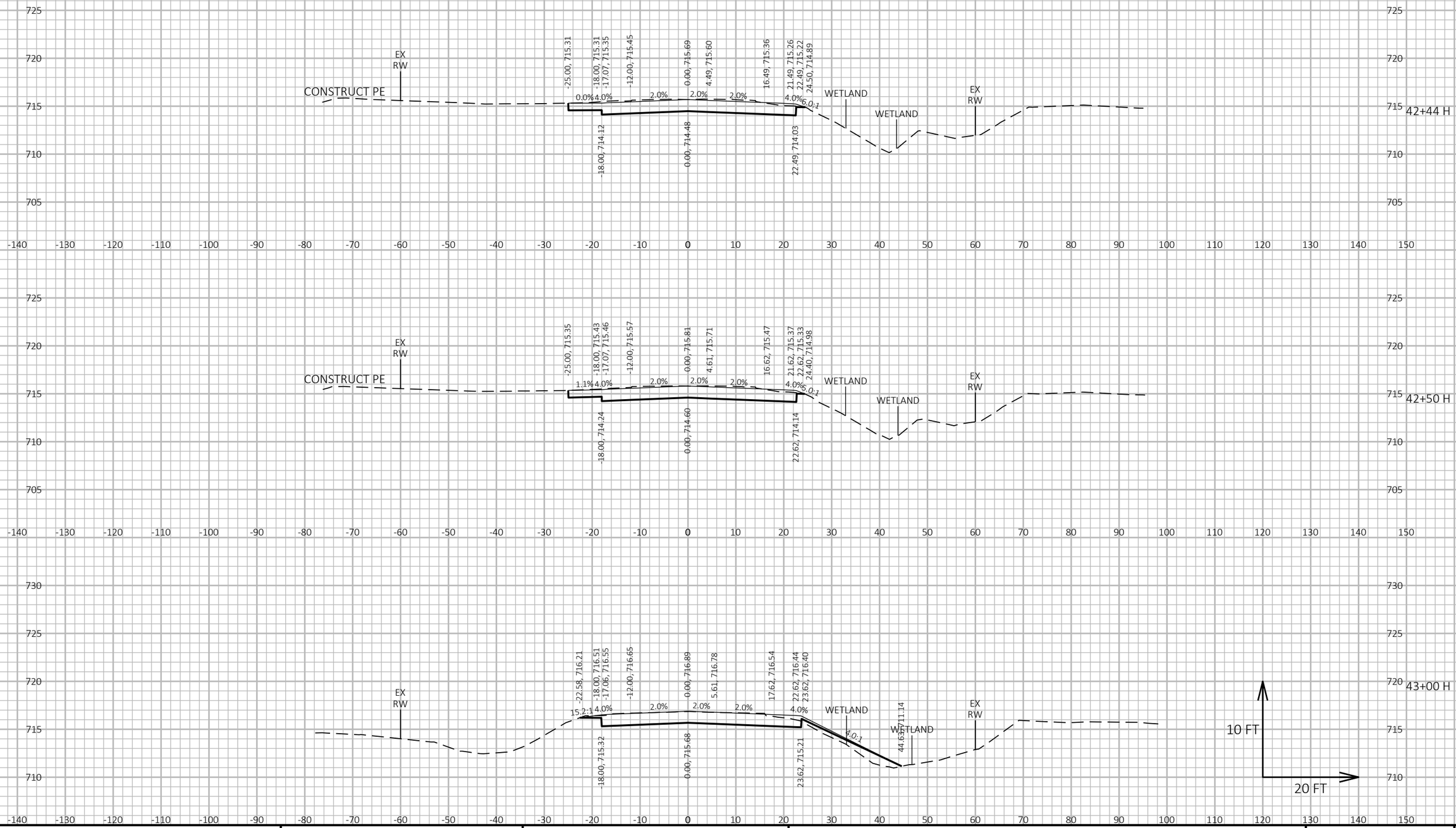
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: 76TH STREET	SHEET 701	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 090402-xs

PLOT DATE : 3/22/2024 9:20 AM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: 76TH STREET	SHEET 702	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 090403-xs

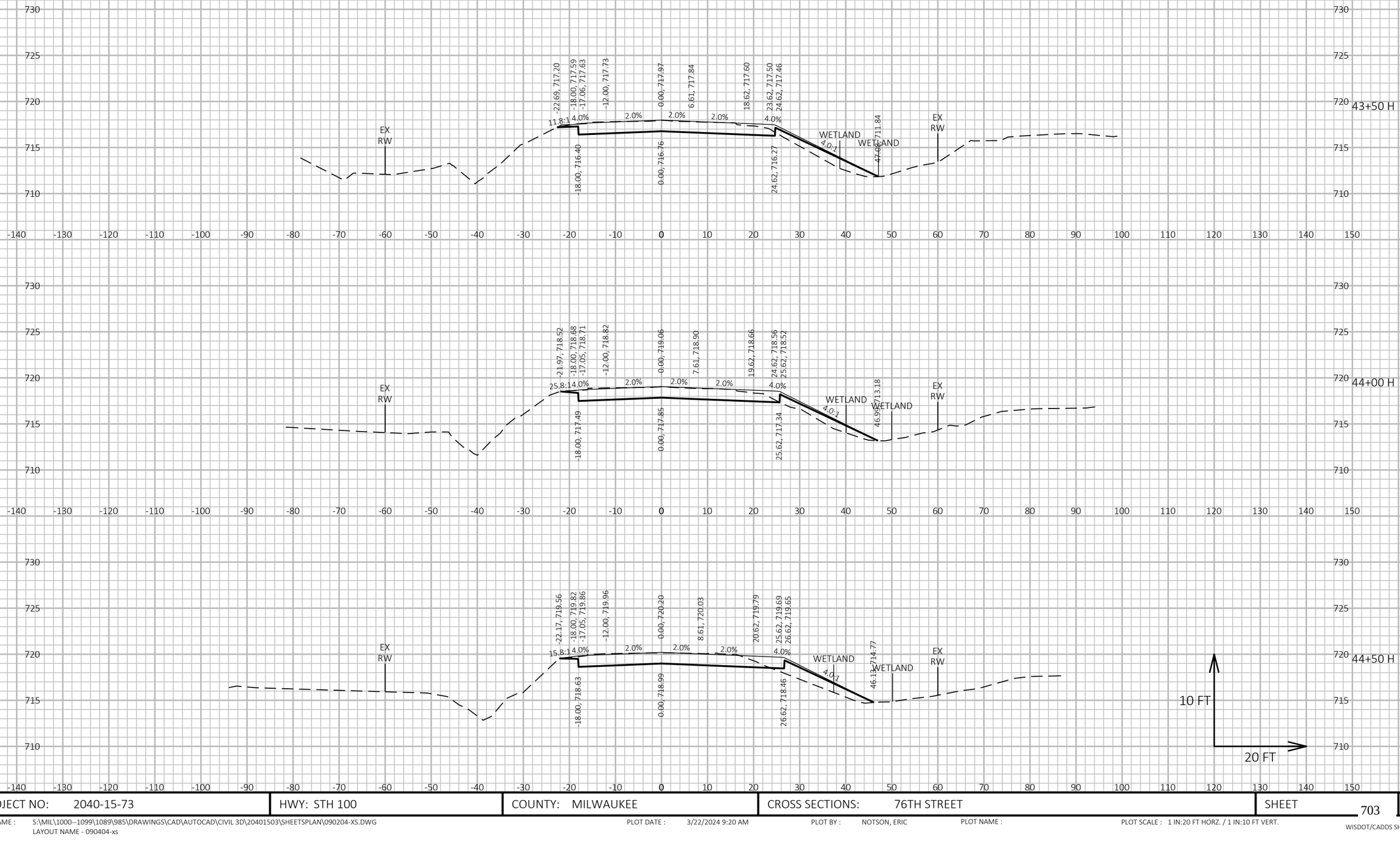
PLOT DATE : 3/22/2024 9:20 AM

PLOT BY : NOTSON, ERIC

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

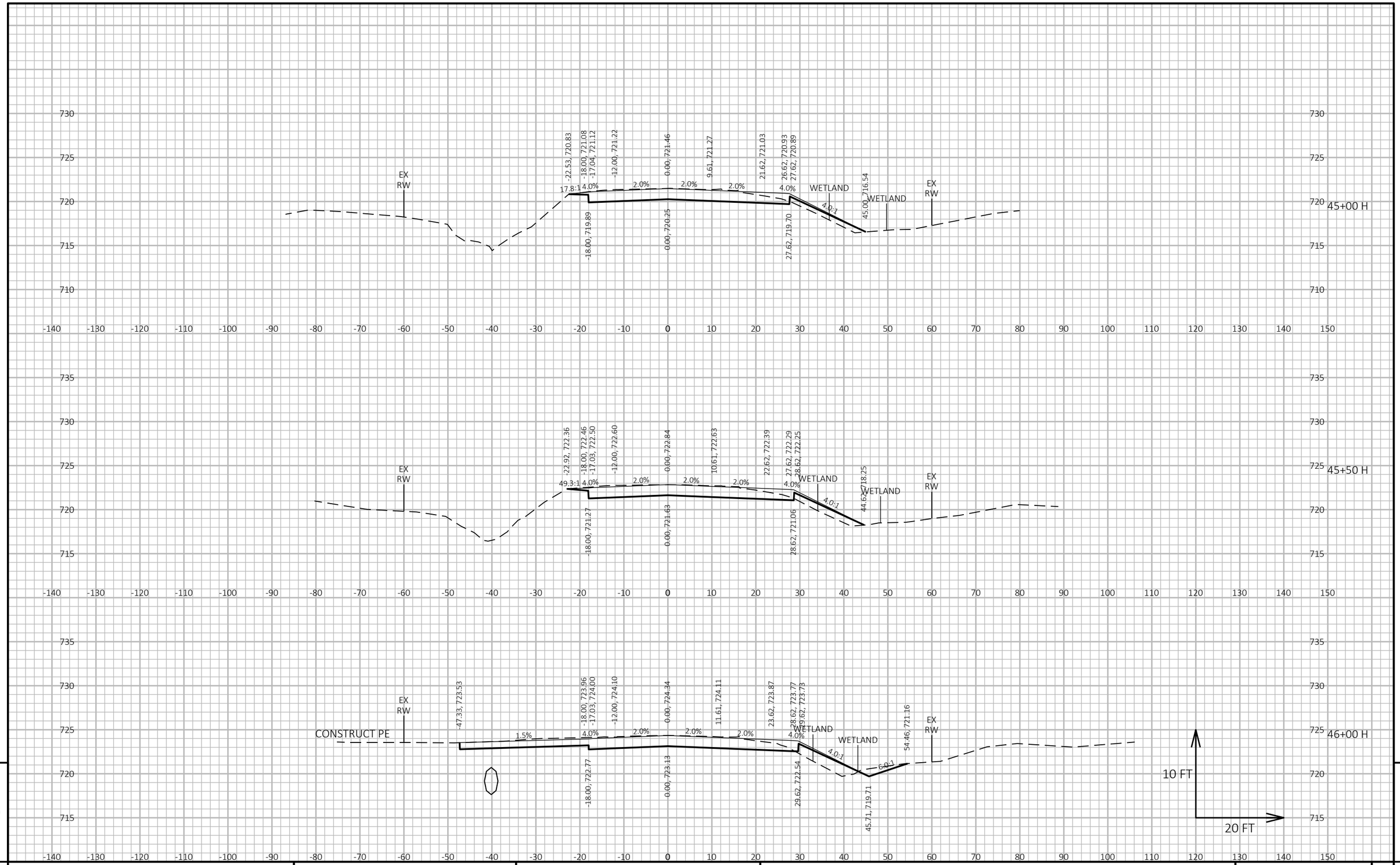


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: 76TH STREET	SHEET 703 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 090404-xs

PLOT DATE : 3/22/2024 9:20 AM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

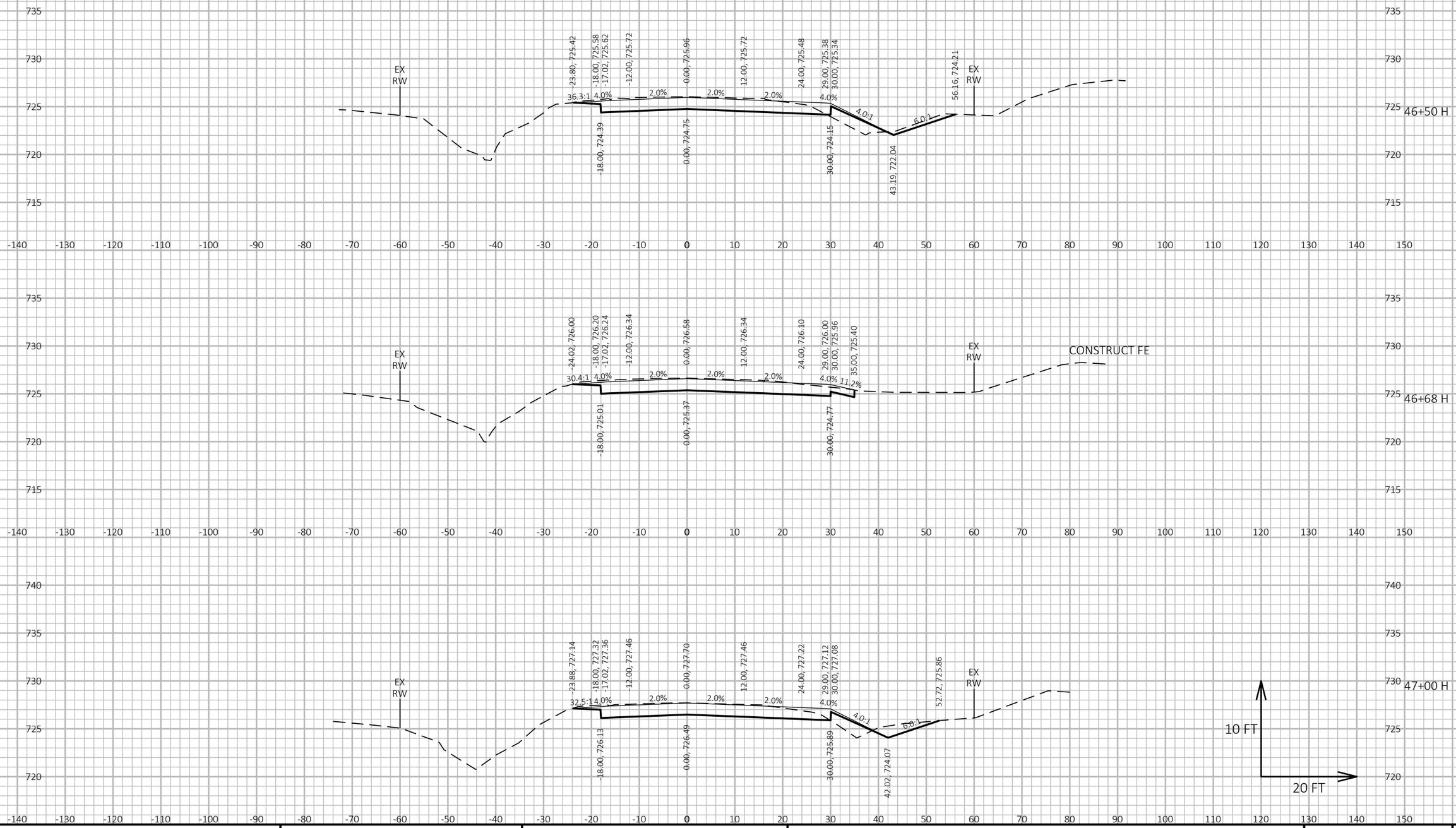


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: 76TH STREET	SHEET 704	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 090405-xs

PLOT DATE : 3/22/2024 9:20 AM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

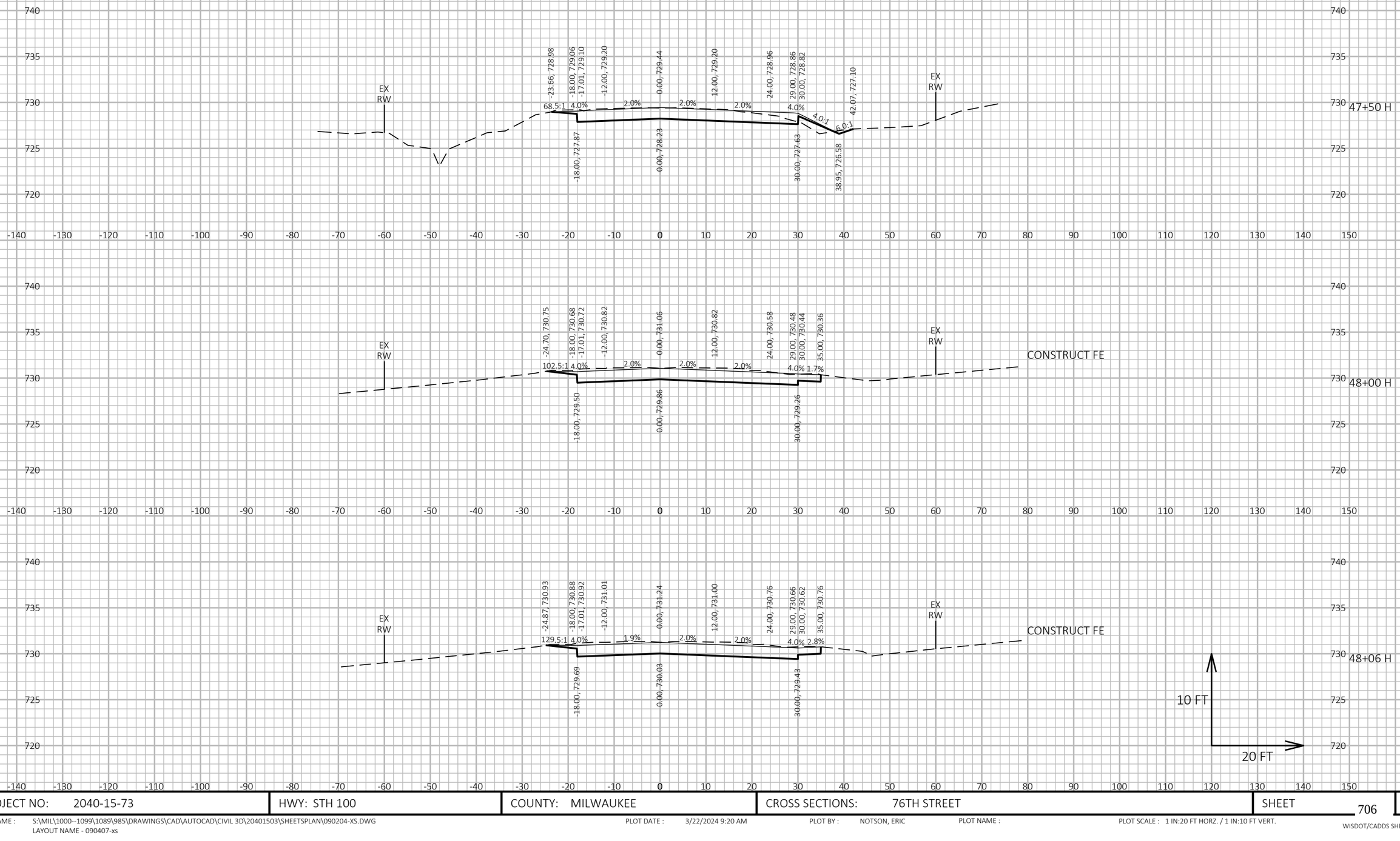


PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: 76TH STREET	SHEET 705	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 090406-xs

PLOT DATE : 3/22/2024 9:20 AM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: 76TH STREET	SHEET 706	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 090407-xs

PLOT DATE : 3/22/2024 9:20 AM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

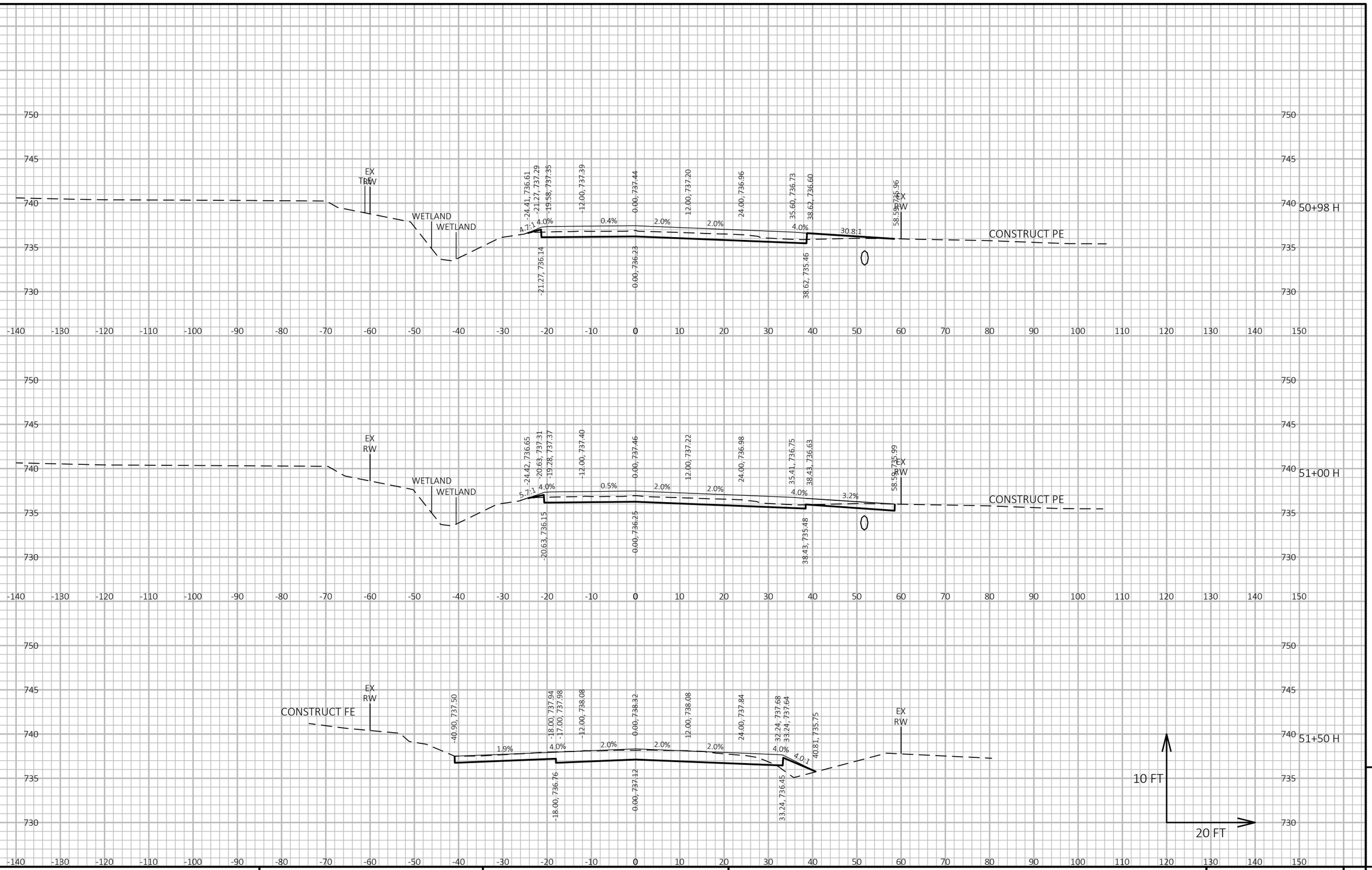
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: 76TH STREET	SHEET 707 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 090408-xs

PLOT DATE : 3/22/2024 9:21 AM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: 76TH STREET	SHEET 708	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 090409-xs

PLOT DATE : 3/22/2024 9:21 AM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



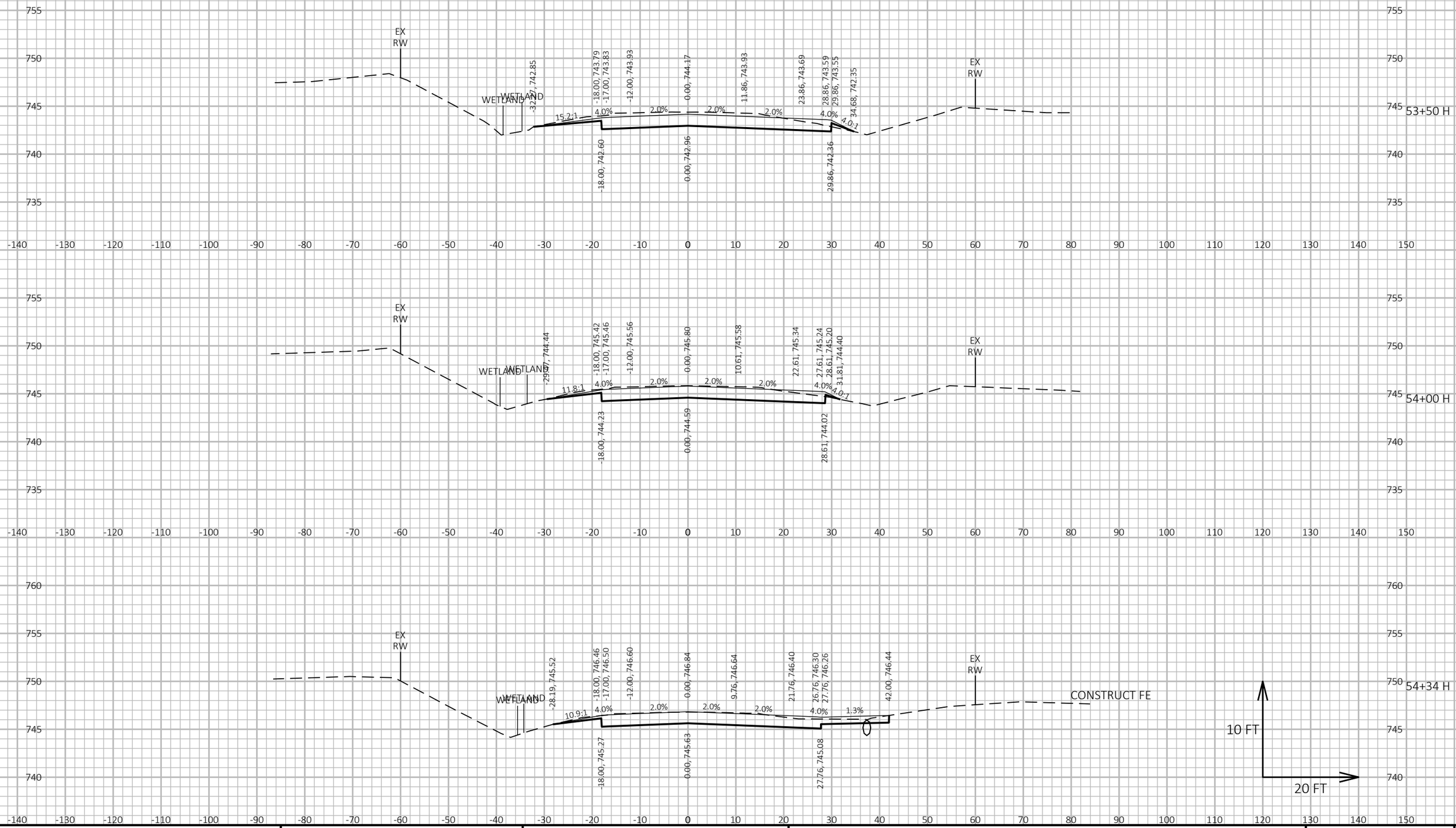
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: 76TH STREET	SHEET 709	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 090410-xs

PLOT DATE : 3/22/2024 9:21 AM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

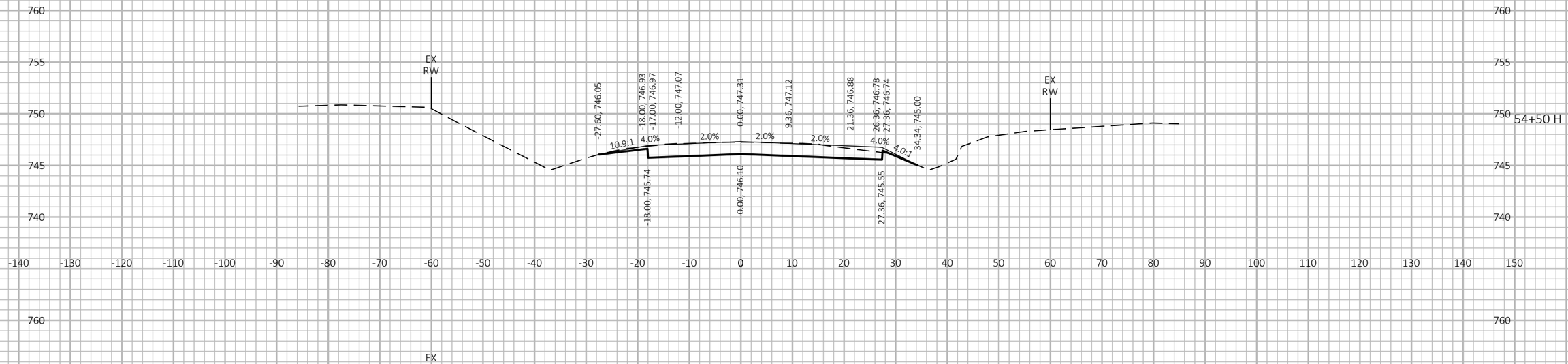


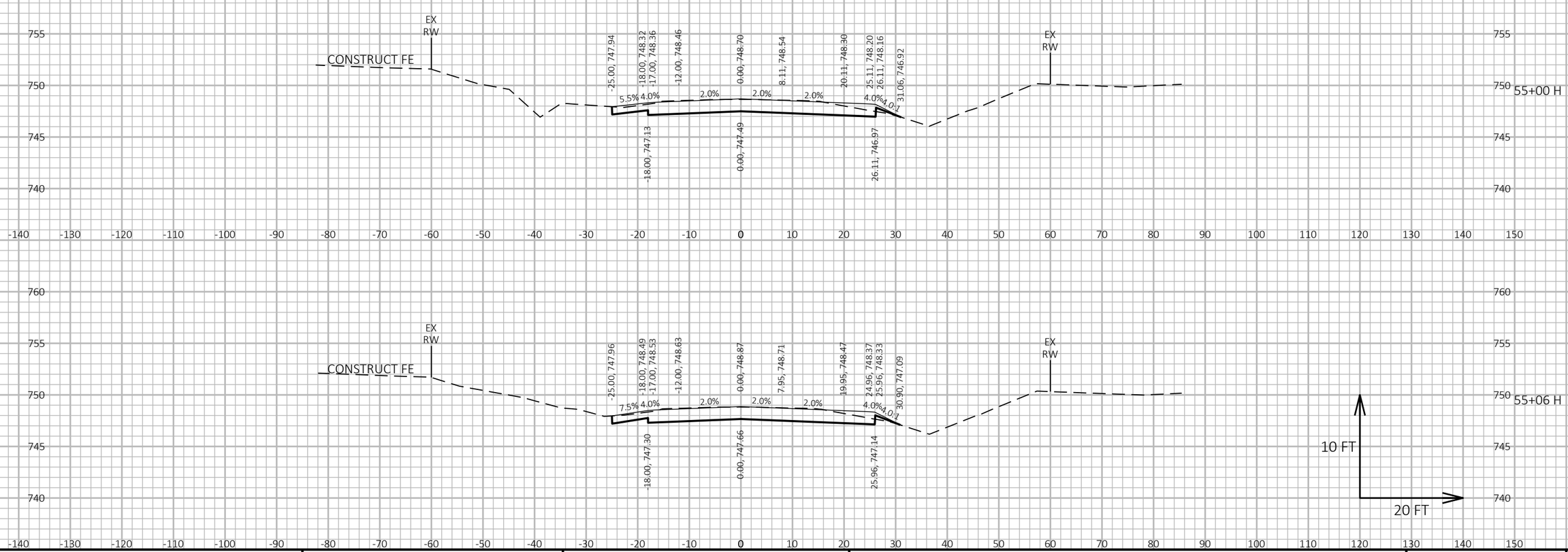
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: 76TH STREET	SHEET 710	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 090411-xs

PLOT DATE : 3/22/2024 9:21 AM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.





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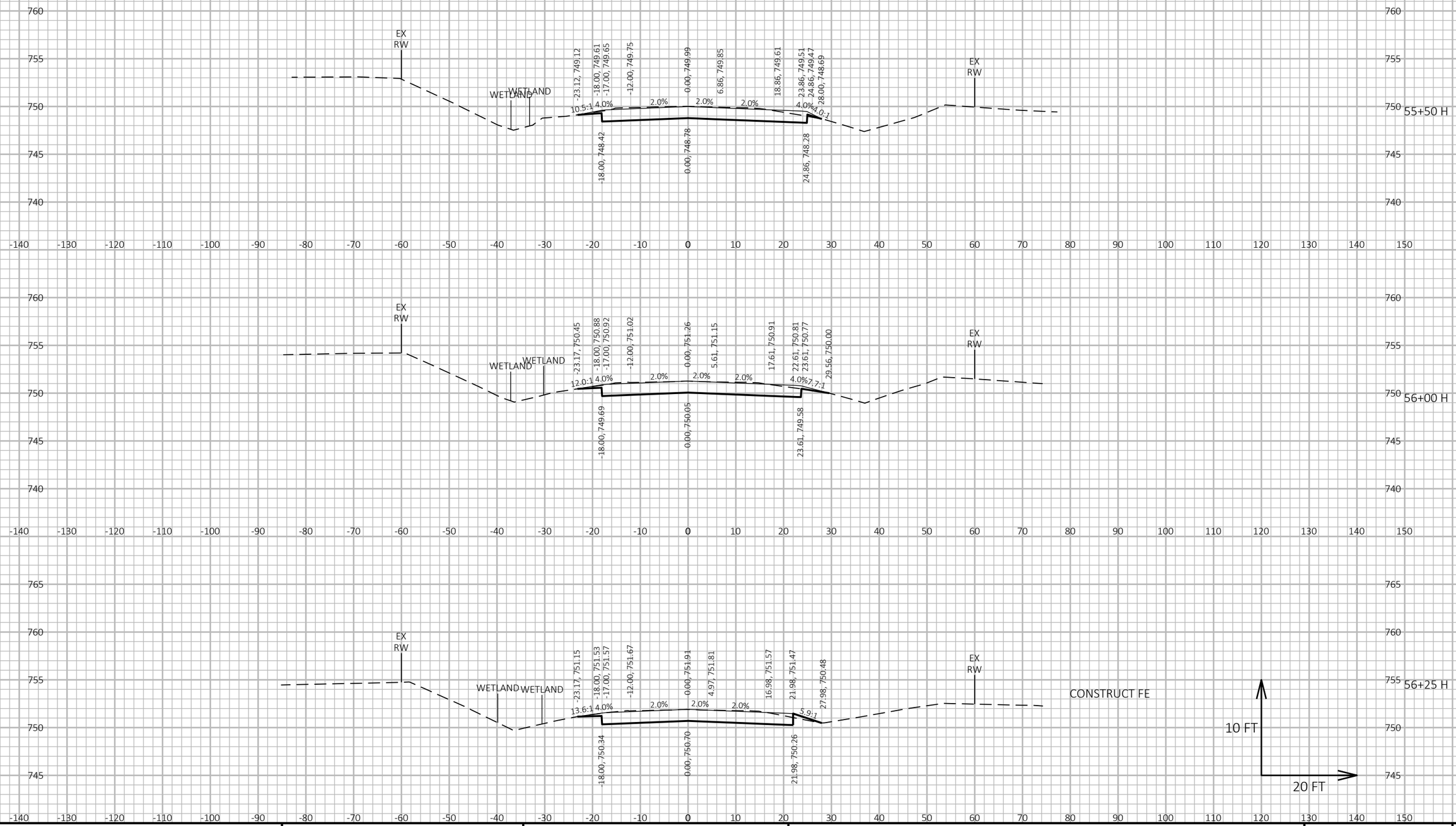
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: 76TH STREET	SHEET 711	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 090412-xs

PLOT DATE : 3/22/2024 9:21 AM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



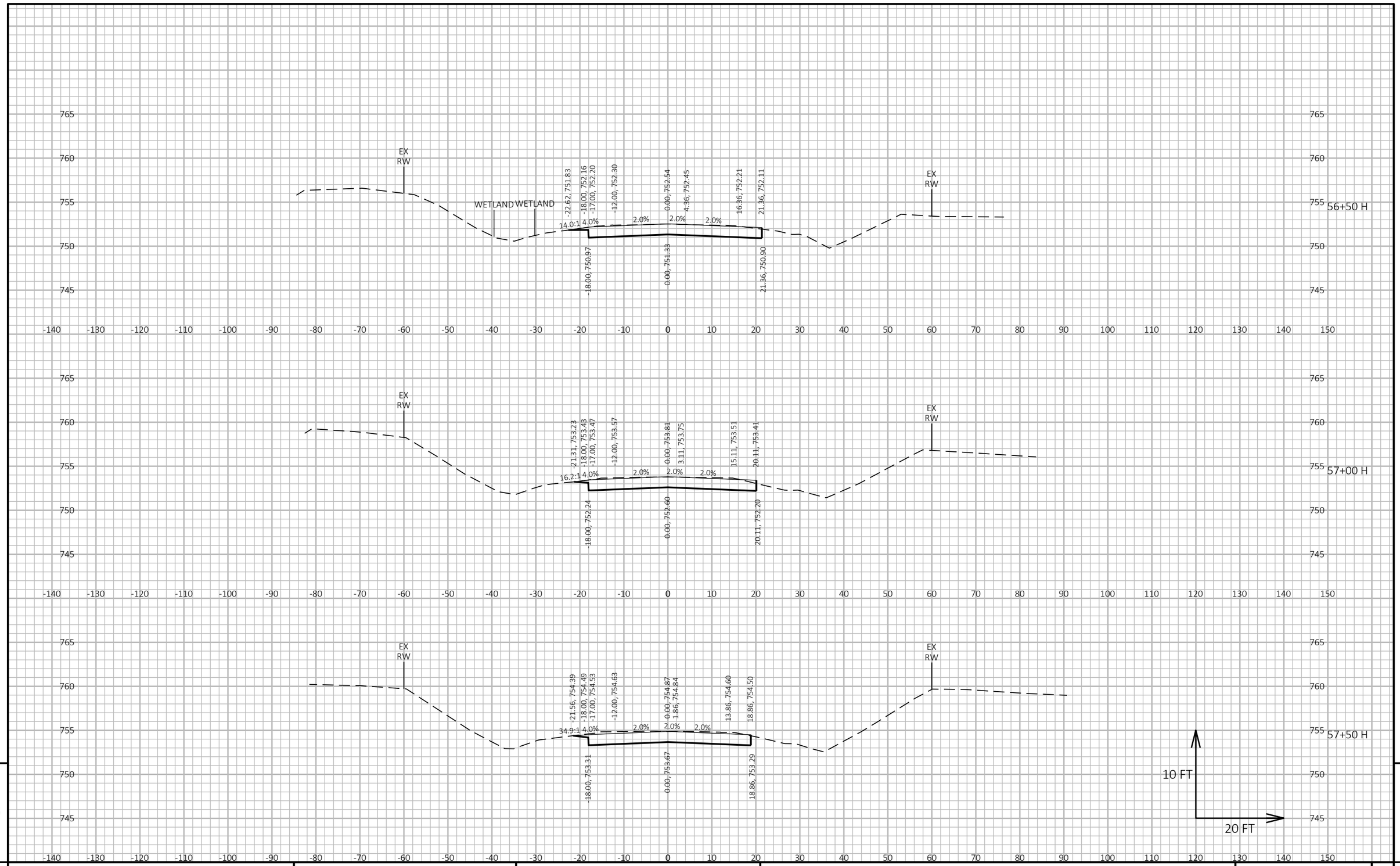
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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: 76TH STREET	SHEET 712	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 090413-xs

PLOT DATE : 4/23/2024 1:52 PM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: 76TH STREET	SHEET 713 E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 090414-xs

PLOT DATE : 4/23/2024 1:52 PM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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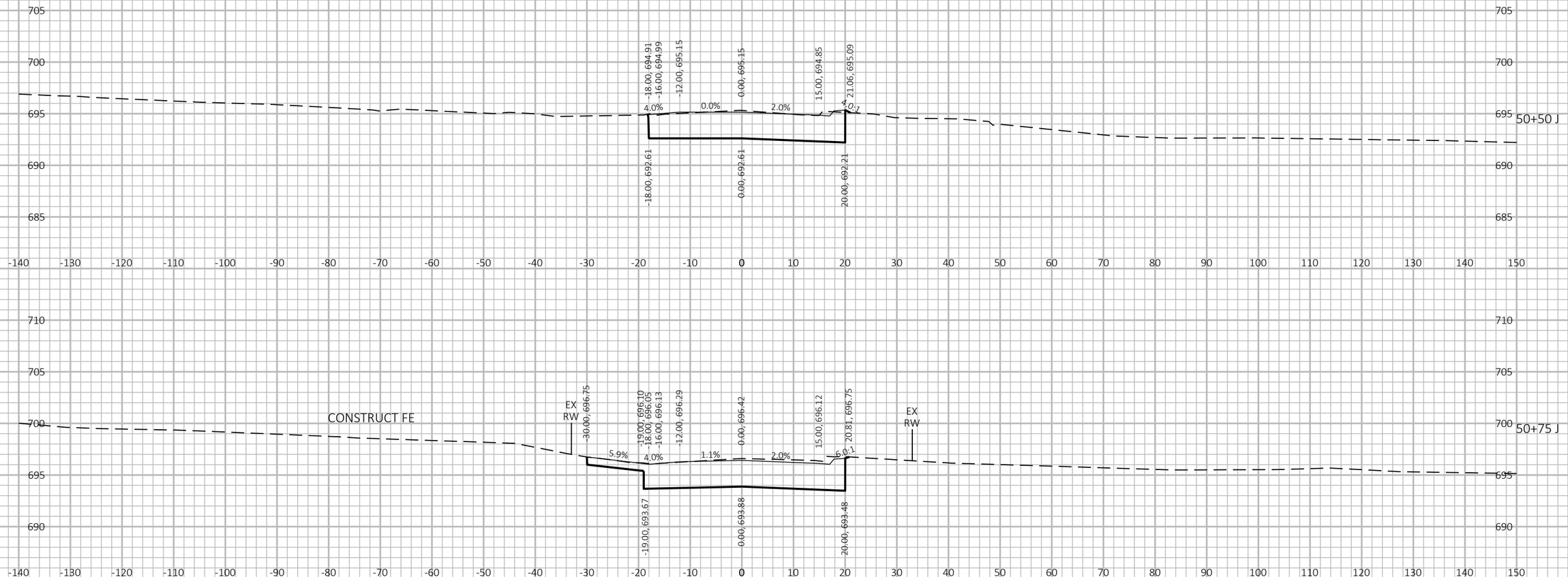
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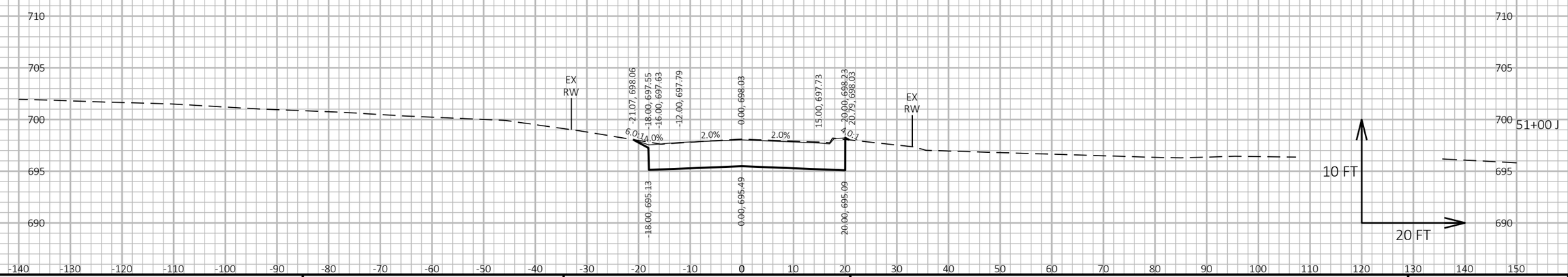
PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: 76TH STREET	SHEET 714	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 090415-xs

PLOT DATE : 4/23/2024 1:52 PM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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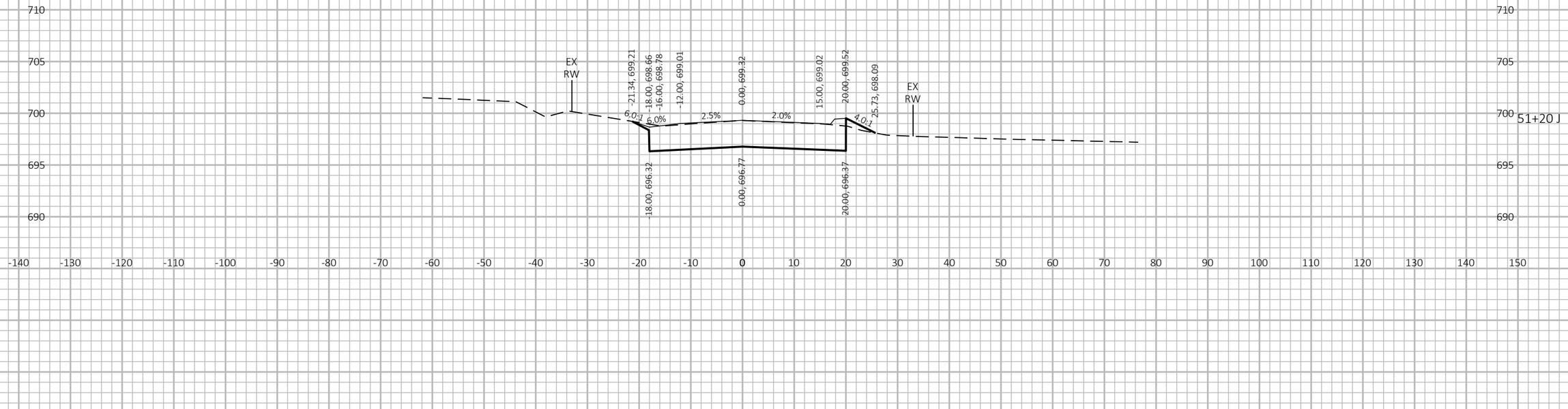
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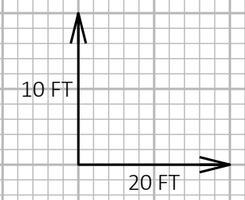
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LAYOUT NAME - 090601-xs

PLOT DATE : 4/19/2024 2:10 PM PLOT BY : WRIGHT, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

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PROJECT NO: 2040-15-73	HWY: STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: 68TH STREET	SHEET 716	E

FILE NAME : S:\MIL\1000--1099\1089\985\DRAWINGS\CAD\AUTOCAD\CIVIL 3D\20401503\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 090602-xs

PLOT DATE : 3/22/2024 9:22 AM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

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Notes

Wisconsin Department of Transportation

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