MAD

PROJECT ID: 5620-00-72, 5620-00-73

WITH: N/A

COUNTY: SAUK

APRIL 2026

ORDER OF SHEETS

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

TOTAL SHEETS = 266

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5620-00-72	WISC 2026272	1
5620-00-73	WISC 2026273	1

LODI - BARABOO
STH 78 TO MOUND STREET

STH 113

SAUK COUNTY

STATE PROJECT NUMBER

5620-00-72

LODI - BARABOO
CURVE 0.64 MI NORTH OF SOLUM LANE

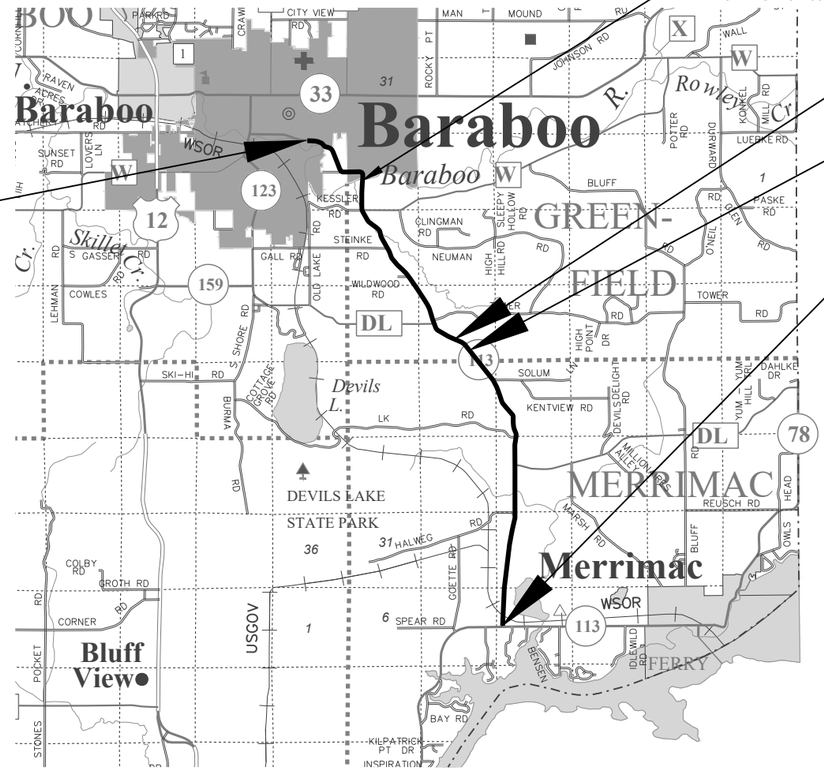
STH 113

SAUK COUNTY

STATE PROJECT NUMBER

5620-00-73

N



STRUCTURE B-56-099
NET EXCEPTION TO CL LENGTH
STA 451+34.65 - STA 452+79.82

END PROJECT 5620-00-73
STA 314+50.00

BEGIN PROJECT 5620-00-73
STA 303+50.00

END PROJECT 5620-00-72
STA 502+40.00
X: 654753.1327
Y: 235689.9593

BEGIN PROJECT 5620-00-72
STA 100+25.00
X: 667875.3741
Y: 201898.2934

DESIGN DESIGNATION

A.A.D.T.	2026	=	2,300
A.A.D.T.	2046	=	2,600
D.H.V.		=	7.3
D.D.		=	50/50
T.		=	8.4
DESIGN SPEED		=	60 MPH
ESALS		=	300,000

CONVENTIONAL SYMBOLS

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

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

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

LAYOUT

SCALE 0 2 MI

5620-00-72 TOTAL NET LENGTH OF CENTERLINE = 7.614 MILES

5620-00-73 TOTAL NET LENGTH OF CENTERLINE = 0.208 MILES

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

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

ORIGINAL PLAN PREPARED BY

BAXTER & WOODMAN Consulting Engineers

WISCONSIN
RYAN E. WALLACE
E-44206
WAUWATOSA WI.
PROFESSIONAL ENGINEER

10/15/25

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	BAXTER & WOODMAN, INC.
Designer	BAXTER & WOODMAN, INC.
Project Manager	MARC SCHWEIGER, P.E.
Regional Examiner	SW REGION
Regional Supervisor	MARC SCHWEIGER, P.E.

APPROVED FOR THE DEPARTMENT

DATE: 10/21/25 Marc Schweiger (Signature)

E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\010101-TI.DWG PLOT DATE : 10/21/2025 9:15 AM PLOT BY : NATHAN HARVEY PLOT NAME :

STANDARD ABBREVIATIONS

ABUT	ABUTMENT
AP	ACCESS POINT
AGG	AGGREGATE
ASPH	ASPHALTIC
BL	BASELINE
BM	BENCHMARK
CB	CATCH BASIN
CL	CENTER LINE
CONC	CONCRETE
CO	COUNTY
CABC	CRUSHED AGGREGATE BASE COURSE
CY	CUBIC YARD
CULV	CULVERT
CP	CULVERT PIPE
C&G	CURB AND GUTTER
DIA	DIAMETER
DWY	DRIVEWAY
EB	EASTBOUND
ELEV	ELEVATION
EW	ENDWALL
ENT	ENTRANCE
EXC	EXCAVATION
FP	FENCE POST
FERT	FERTILIZE
F	FILL
FG	FINISHED GRADE
FL	FLOW LINE
FO	FIBER OPTIC
FT	FOOT
HYD	HYDRANT
INL	INLET
INTERS	INTERSECTION
INV	INVERT
JT	JOINT
LT	LEFT
LF	LINEAR FOOT
MH	MANHOLE
MP	MARKER POST
MB	MESSAGE BOARD
NOM	NOMINAL
NB	NORTHBOUND
PAVT	PAVEMENT
PU	PIPE UNDERDRAIN
PCC	PORTLAND CEMENT CONCRETE
PE	PRIVATE ENTRANCE
PROJ	PROJECT
PL	PROPERTY LINE
RL	REFERENCE LINE
RT	RIGHT
R/W	RIGHT OF WAY
RDWY	ROADWAY
SHLDR	SHOULDER
SB	SOUTHBOUND
SS	STORM SEWER
TEL	TELPHONE
TEMP	TEMPORARY
TER	TERRACE
TV	TELEVISION
UG	UNDERGROUND
VOL	VOLUME
W	WATER
WB	WESTBOUND

HMA PAVEMENT TABLE

STH 113, 4 INCHES		
LAYER	THICKNESS	TYPE
UPPER	1.75 INCHES	4 LT 58-28 S
LOWER	2.25 INCHES	3 LT 58-28 S

SECTION 2 ORDER OF SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
INTERSECTION DETAILS
BEAM GUARD DETAILS
EROSION CONTROL
STORM SEWER PLAN & PROFILE
PAVEMENT MARKING
DETOUR
ALIGNMENT

GENERAL NOTES

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

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

APPLY TACK COAT AT A RATE OF 0.05 GAL/SY BETWEEN LAYERS OF HMA PAVEMENT.

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

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

THE CONTRACTOR IS TO WORK WITH UTMOST CARE AND PROTECT ALL SURVEY MARKERS. REMOVAL OF ANY SURVEY MARKER IS TO BE WITH THE APPROVAL OF THE ENGINEER.

WHEN THE QUANTITY OF THE ITEMS OF BASE AGGREGATE, SUBBASE OR HMA PAVEMENT IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE LAYERS SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT APPROXIMATE LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S EROSION CONTROL IMPLEMENTATION PLAN (ECIP) AND APPROVED BY THE ENGINEER. MAINTAIN EROSION CONTROL MEASURES UNTIL SUCH A TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

RADIUS DIMENSIONS AND PLAN GRADES FOR THE CURB AND GUTTER ARE TO THE FLANGE LINE UNLESS OTHERWISE NOTED.

CURVE DATA IS BASED ON THE ARC DEFINITION.

PAVEMENT REMOVAL WILL BE TO THE NEAREST JOINT OR A SAWED EDGE WILL BE REQUIRED AS DIRECTED BY THE ENGINEER.

PRIOR TO PLACING THE NEW BASE AGGREGATE DENSE COURSE OR PAVED SHOULDERS, EXISTING UNCOMPACTED SHOULDER MATERIAL SHALL BE REMOVED OR DEPOSITED ON THE OUTER PORTION OF THE EXISTING SHOULDER OR AS DIRECTED BY THE ENGINEER.

THE EXACT LOCATION AND WIDTH OF DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. DRIVEWAYS SHALL BE REPLACED IN KIND. COMMERCIAL DRIVEWAYS SHALL BE A MAXIMUM OF 30 FEET WIDE UNLESS SHOWN OTHERWISE IN THE PLANS. ALL RESIDENTIAL DRIVEWAYS SHALL BE A MAXIMUM OF 20 FEET WIDE.

PIPE ELEVATIONS, AS SHOWN ON THE PLANS, MAY BE ADJUSTED TO FIT EXISTING FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. CHANGES TO PIPE LENGTHS AND LOCATIONS, AS SHOWN IN THE PLANS, REQUIRE CONSULTATION WITH WDNR LIASON.

THE PROPOSED SHOULDER WIDTH SHOWN IN THE TYPICAL SECTIONS ARE MINIMUM WIDTH. PERPETUATE EXISTING SHOULDERS THAT ARE WIDER THAN WHAT IS SHOWN IN THE TYPICAL SECTIONS.

SAWCUTS, AS SHOWN ON THE PLANS, ARE SUGGESTED LOCATIONS AND MAY BE ADJUSTED AT THE DISCRETION OF THE ENGINEER TO BETTER SUIT FIELD CONDITIONS.

PRIOR TO PLACEMENT OF BEAM GUARD THE SHOULDERS SHALL BE IN PLACE, SHAPED AND COMPACTED.

CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES EXCEPT WHEN PAVING OR PIPE LAYING OPERATIONS REQUIRE THE DRIVEWAY TO BE CLOSED. ACCESS TO DRIVEWAYS SHALL BE RE-ESTABLISHED IMMEDIATELY AFTER OPERATIONS ARE COMPLETED. ACCESS SHALL BE PROVIDED DURING ALL NON-WORKING HOURS.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

PRIOR TO ORDERING DRAINAGE PIPES, THE CONTRACTOR SHALL FIELD VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN WITH THE ENGINEER.

BEARINGS SHOWN ON THE PLAN ARE GROUND BEARINGS TO THE NEAREST SECOND.

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

OUTSIDE OF THE AREA COVERED BY THE TPP, RIGHT OF WAY SHOWN IN PLANS ARE BASED ON SAUK COUNTY GIS.

WISDOT CONTACT

PROJECT SUPERVISOR
MARC SCHWEIGER, PE
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MADISON, WI 53704
PHONE: (608) 245-2633
MARC.SCHWEIGER@DOT.WI.GOV

DESIGNER CONTACT

BAXTER & WOODMAN, INC.
ATTN: RYAN WALLACE, PE
115 S. 84TH STREET, SUITE 220
MILWAUKEE, WI 53214
(815) 444-3309
RWALLACE@BAXTERWOODMAN.COM

WDNR LIAISON

WDNR SOUTHWEST REGION
ATTN: ANDY BARTA
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711
(608) 235-2955
ANDREW.BARTA@WISCONSIN.GOV

UTILITY CONTACTS

ALLIANT ENERGY - ELECTRICITY
ATTN: JOSH LOBENSTEIN
520 COMMERCE AVE
BARABOO, WI 53913
PHONE: (608) 356-0671
JOSHUALOBENSTEIN@ALLIANTENERGY.COM

ALLIANT ENERGY - GAS/PETROLEUM
ATTN: JOSH LOBENSTEIN
520 COMMERCE AVE
BARABOO, WI 53913
PHONE: (608) 356-0671
JOSHUALOBENSTEIN@ALLIANTENERGY.COM

ATC MANAGEMENT, INC. - ELECTRICITY-TRANSMISSION
ATTN: DOUG VOSBERG
2489 RINDEN ROAD
COTTAGE GROVE, WI 53527
PHONE: (608) 877-7650
DVOSBERG@ATCLLC.COM

BRIGHTSPEED OF NORTH CENTRAL WISCONSIN, LLC - COMMUNICATION LINE
ATTN: SCOTT HEINZELMAN
144 N PEARL ST
BERLIN, WI 54923
PHONE: (608) 716-5964
SCOTT.HEINZELMAN@BRIGHTSPEED.COM

CITY OF BARABOO - WATER, SEWER
ATTN: BEN BROWN
450 ROUNDHOUSE CT
BARABOO, WI 53913
PHONE: (608) 355-2740
BBROWN@BARABOOWI.GOV

COGENT COMMUNICATION
COMMUNICATION LINE
ATTN: KEVIN PERSON
849 EARL ST
ST. PAUL, MN 55106
PHONE:(612) 275-4131
KPERSON@COGENTCO.COM

FRONTIER COMMUNICATIONS OF WI LLC - COMMUNICATION LINE
ATTN: CHRIS POLLACK
521 4th ST
WAUSAU, WI 54403
(715) 847-1240
christopher.pollack@ftr.com

NORTHERN NATURAL GAS COMPANY - GAS/PETROLEUM
ATTN: NICK ROEPSCH
5557 COUNTY D
PLATTEVILLE, WI 53818
PHONE: (402) 530-2802
NICHOLAS.ROEPSCH@NNGCO.COM

SAUK COUNTY BUILDING SERVICES - COMMUNICATION LINE
ATTN: IAN CRAMMOND
510 BROADWAY
BARABOO, WI 53913
(608) 355-4415
IAN.CRAMMOND@SAUKCOUNTYWI.GOV

SPECTRUM
COMMUNICATION LINE
ATTN: TERRY BLAKE
E10714 WI33
BARABOO, WI 53913
PHONE: (608) 576-9208
TERRY.BLAKE@CHARTER.COM

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

SOIL BORINGS

FIELD LOG SUMMARY. LANE MILE MEASUREMENT BEGINS AT STH 78								
BORE	LANE MILE	APPROX. STA	OFFSET (FEET FROM R/L)	HMA (INCHES)	RECYCLED HMA BASE	BASE (INCHES)	LAYER 1 (INCHES)	LAYER 2 (INCHES)
1	0.05	102+15	9.0R	2.25	0	16.5	3.5-FT SAND, F-M, FIRM, BROWN	
2	0.27	113+75	2.5R	3.0	7.0	4.0	4.0-FT SAND, F-M, BROWN, SOME SILT, FEW GR	
3	0.51	126+45	10.5R	3.25	9.0	8.0	3-FT SAND, F-M, LIGHT BROWN, LITTLE SILT	
4	0.74	138+55	5.0R	4.5	14.5	0	1.5-FT SAND, F-M, DARK BROWN, SOME SILT	2-FT CLAY, RED - BROWN, FEW SAND
5	1.00	152+30	7.0L	5.0	14.5	00	1-FT SAND, F-M, GRAY, LITTLE SILT, LITTLE GR	2.5-FT SILT, GRAY, FEW SAND, FEW GR
6	1.26	166+65	2.5L	3.5	5.5	00	4.25-FT SAND, F-M, TAN, FEW SILT	
7	1.52	179+75	10.5L	5.5	10.0	0	3.5-FT SAND, F-M, BROWN, SOME SILT, FEW GR	
8	1.76	192+45	6.5L	5.0	10.0	0	3.5-FT SAND, F-M, TAN, FEW SILT	
9	2.02	206+15	8.0R	8.5	0	12.0	2.0-FT SAND, F-M, GRAY, SOME SILT, FEW GR	1.5-FT SILT, GRAY, SOME SAND, LITTLE GR
10	2.25	218+30	2.5R	3.5	14.5	0	3.5-FT CLAY, BROWN, LITTLE SAND, FEW SILT	
11	2.50	231+50	9.0R	7.0	12.0	0	3.5-FT SAND, F-M, BROWN, LITTLE SILT, LITTLE GR	
12	2.75	244+70	5.5R	4.0	9.0	0	2-FT CLAY, BROWN, FEW SAND, FEW GR	1.5-FT SAND, F-C, BROWN, FEW CLAY, FEW GR
13	2.98	256+85	8.5L	5.25	0	0	4.5-FT GRAVEL, BROWN-GRAY, SOME SAND, FEW SILT (BREAKER)	
14	3.27	272+15	3.0L	9.5 OVER 2.5" BASE	4.5" ASPHALT	4.0	3.5-FT SAND, F-M, BROWN, LITTLE SILT, LITTLE GR	
15	3.50	284+30	10.0L	5.0	8.0	2.0	3.5-FT CLAY, BROWN, SOME SILT, FEW GR	
16	3.75	297+50	5.5L	7.5	9.5	0	3.5-FT SAND, F-M, BROWN, LITTLE-SOME SILT, FEW-LITTLE GR	
17	4.00	310+70	8.0R	4.0	8.0	3.0 OVER 4.0" ASPHALT	2.0-FT SAND, F-M, GRAY, SOME SILT, LITTLE GR	1.5-FT CLAY, BROWN, FEW SAND, FEW DR
18	4.28	325+50	2.5R	7.5	3.5	4.0	3.5-FT CLAY, BROWN, LITTLE SILT, FEW GR	
19	4.51	337+65	10.5R	7.0	7.0	3.0 OVER 4.0" ASPHALT	1.5-FT SAND, F-M, BROWN, LITTLE GR, LITTLE SILT	2.0-FT SILT, BROWN, SOME SAND, FEW GR
20	4.74	349+75	5.0R	8.0	0	6.0	3.5-FT SAND, F-M, BROWN, LITTLE SILT, LITTLE GR	
21	5.00	363+50	8.0L	4.5	8.0	3.0	1-FT SAND, F-M, SOME SILT, LITTLE GR	2.5-FT CLAY, BROWN, SOME SILT, LITTLE SAND
22	5.32	380+40	3.0L	8.5	0	11.0	3.5-FT SAND, F-M, BROWN, LITTLE SILT, LITTLE GR	
23	5.64	397+30	11.5L	4.75	0	6.0	3.0" SILT, BLACK, FEW SAND, FEW GR	3.5-FT SAND, F-M, BROWN, LITTLE SILT, LITTLE GR
24	6.00	4166+30	6.0L	8.75	0	20.0	2.5-FT SAND, F-M, BROWN, LITTLE GR, LITTLE SILT	
25	6.24	428+95	7.5R	8.0	0	7.0	3.5-FT SAND, F-M, BROWN, LITTLE SILT	
26	6.51	443+25	3.5R	9.75	0	11.5	3-FT SAND, F-M, GRAY-BROWN, LITTLE-SOME SILT, LITTLE GR	
27	6.76	456+45	11.0R	3.75	0	10.5	3.5-FT, GRY, LITTLE SAND, FEW GR	
28	6.96	467+00	4.5R	7.25	0	2.0 OVER 9" RECYCLED ASPHALT	3.5-FT SAND, F-M, LITTLE GR, SOME SILT	
29	7.28	483+90	6.0L	8.25	0	9.5	3.5-FT SILT, DARK GRAY, SOME SAND	1-FT SILT, BLACK OVER 1-FT CLAY BROWN/GRAY MOTTLED, FEW SILT
30	7.65	503+40	5.0L	7.0	3.0	0	2-FT SAND F-M, DARK GRAY, SOME SILT, FEW GR	

NOTES:
1. BOULDERS WERE NOTED ON THE FIELD LOG AT 2.5-ft TO 3.5-ft
2. A BOULDER WAS NOTED ON THE FIELD LOG AT 2.5' TO 3.0'
3.& 4. A BOULDER WAS NOTED ON THE FIELD LOG AT 3.0' TO 3.5'
F-M = FINE TO MEDIUM GRAIN SIZE GR = GRAVEL TR= TRACE AMOUNT

FOR REFERENCE ONLY

2

MATCH LINE SEE BELOW RIGHT

SOLUM LN

KENTVIEW RD

TOWN OF MERRIMAC

TOWN OF MERRIMAC

LAKE RD

113

WISCONSIN & SOUTHERN RAILROAD

MANLEY CREEK

CTH DL

ENVIRONMENTALLY SENSITIVE AREA
MANLEY GRAVESITE
(47SK0666/BSK-0002)

MARSH RD

RUSTY PATCH BUMBLE BEE HIGH POTENTIAL ZONE

HALWEG RD

TOWN OF MERRIMAC

GOETTE RD

WISCONSIN & SOUTHERN RAILROAD

113

BEGIN PROJECT 5620-00-72
STA 100+25.00
X = 667875.3741
Y = 201898.2934

SPEAR RD

113

CITY OF BARABOO

END PROJECT 5620-00-72
STA 502+40.00
X = 654753.1327
Y = 235689.9593

MANCHESTER RD

STRUCTURE B-56-099

TOWN OF GREENFIELD

RUSTY PATCH BUMBLE BEE HIGH POTENTIAL ZONE

BARABOO RIVER

W

TOWN OF GREENFIELD

KESSLER RD

CLINGMAN RD

SLEEPY HOLLOW

UNNAMED TRIBUTARY TO BARABOO RIVER

NEUMAN RD

STEINKE RD

RUSTY PATCH BUMBLE BEE HIGH POTENTIAL ZONE

HIGH HILL RD

OLD LAKE RD

RUSTY PATCH BUMBLE BEE HIGH POTENTIAL ZONE

WILDWOOD RD

TOWER RD

DL

TOWN OF BARABOO

TOWN OF GREENFIELD

END PROJECT 5620-00-72
(CURVE RECONSTRUCTION)
STA 315+50
X = 664637.4268
Y = 221834.5564

113

ENVIRONMENTALLY SENSITIVE AREA
NICOLY-NEUMAN CEMETERY
(BSK-0015)

DEVILS LAKE

TOWN OF MERRIMAC

BEGIN PROJECT 5620-00-73
CURVE RECONSTRUCTION
STA 303+00
X = 665619.2550
Y = 221094.0431

MATCH LINE SEE ABOVE LEFT

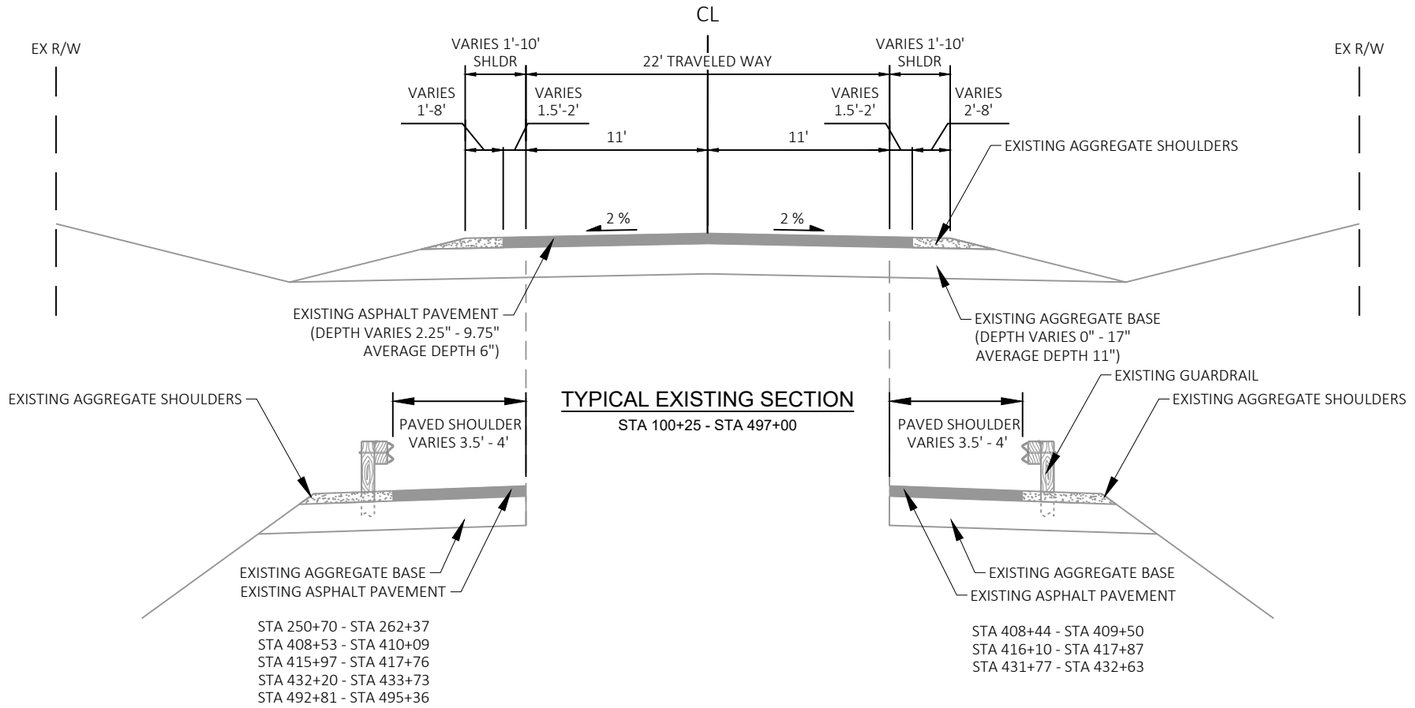
2

PROJECT NO: 5620-00-72, 5620-00-73	HWY: STH 113	COUNTY: SAUK	PROJECT OVERVIEW	SHEET 4	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\020201-PO.DWG
LAYOUT NAME - 020201-po

PLOT DATE : 10/15/2025 9:47 AM PLOT BY : NATHAN HARVEY PLOT NAME : PLOT SCALE : 1 IN:2000 FT

WISDOT/CADDS SHEET 42

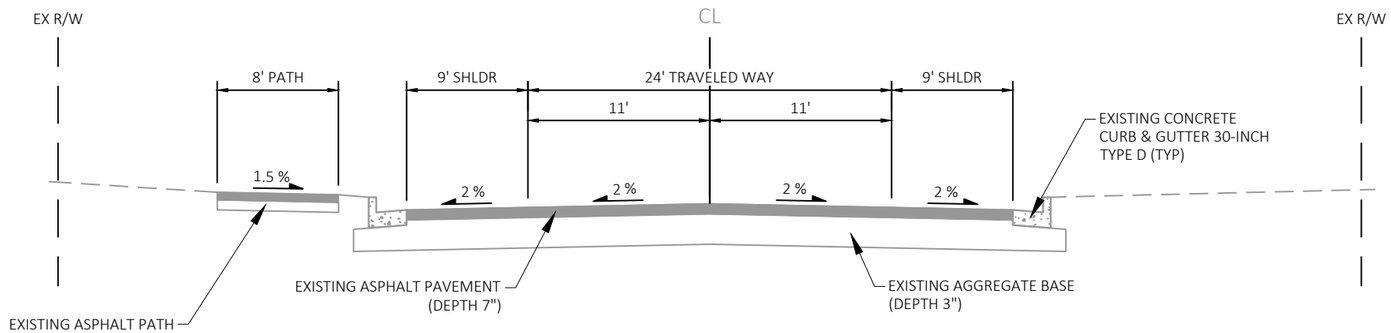


TYPICAL EXISTING SECTION

STA 100+25 - STA 497+00

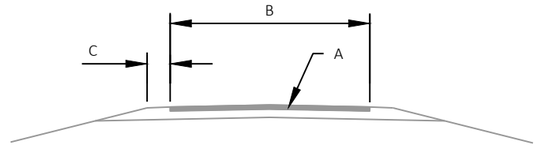
STA 250+70 - STA 262+37
STA 408+53 - STA 410+09
STA 415+97 - STA 417+76
STA 432+20 - STA 433+73
STA 492+81 - STA 495+36

STA 408+44 - STA 409+50
STA 416+10 - STA 417+87
STA 431+77 - STA 432+63



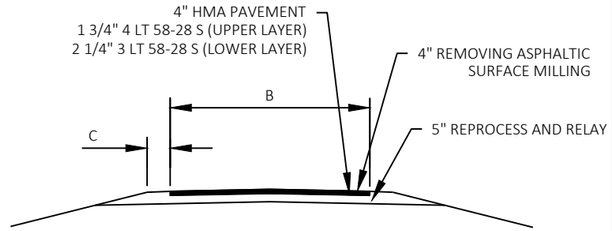
TYPICAL EXISTING SECTION

STA 497+00 - STA 502+40



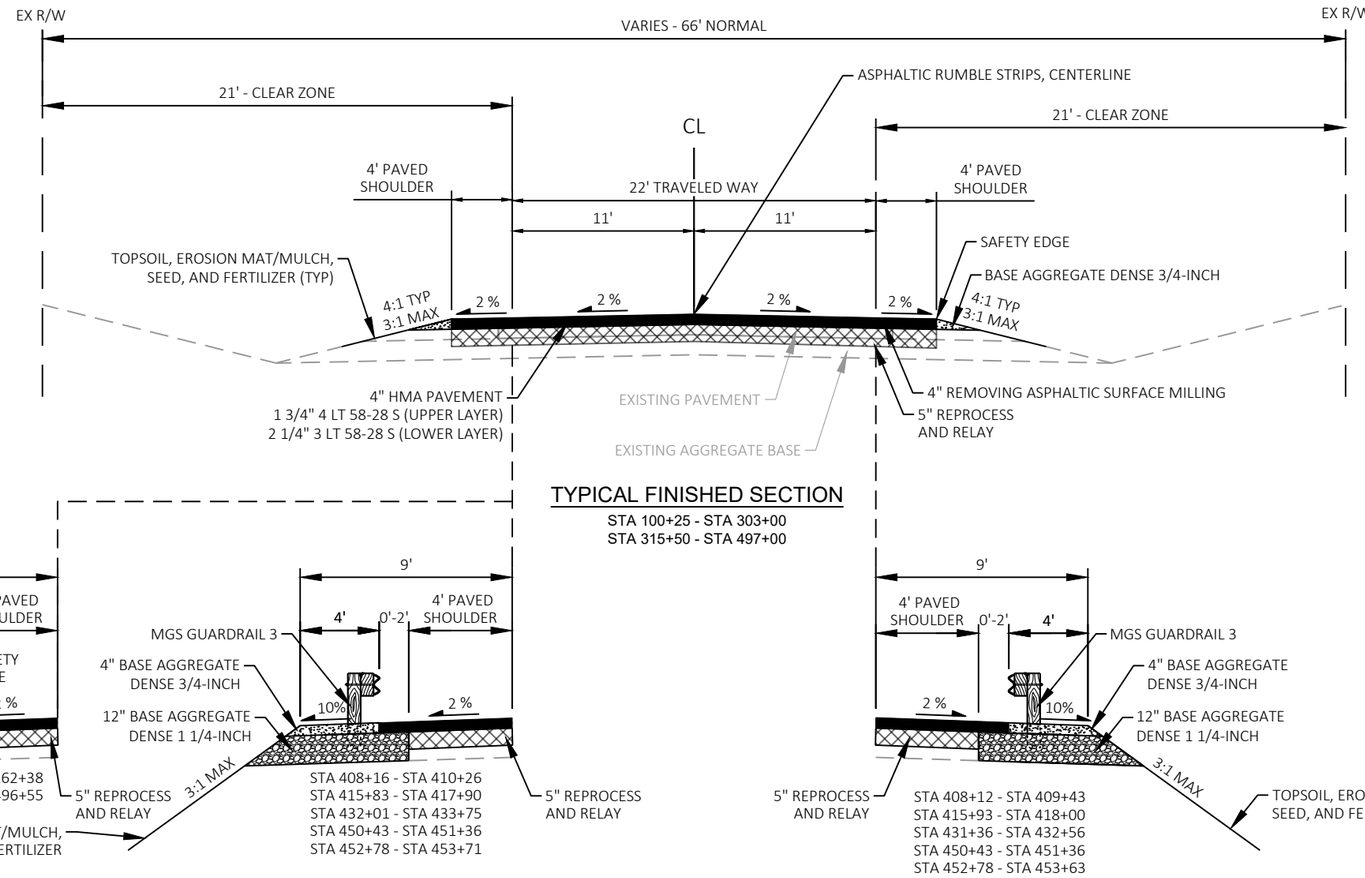
TYPICAL EXISTING SECTION - SIDEROADS

ROAD NAME	A	B (FT)	C (FT)
HALWEG RD	ASPHALT	28	-
CTH - DL - EAST	ASPHALT	25	3
S LAKE RD	ASPHALT	20	2
SOLUM LN	ASPHALT	20	1
CTH - DL - WEST	ASPHALT	24	2
TOWER RD	ASPHALT	24	2
WILDWOOD RD	ASPHALT	20	2
STEINKE RD	ASPHALT	22	2
KESSLER RD	ASPHALT	21	2
COUNTY RD W	ASPHALT	25	3
MANCHESTER RD	ASPHALT	22	-
EFFINGER RD	ASPHALT	20	-
WASHINGTON AVE	ASPHALT	27	-
MOUND ST	ASPHALT	31	-



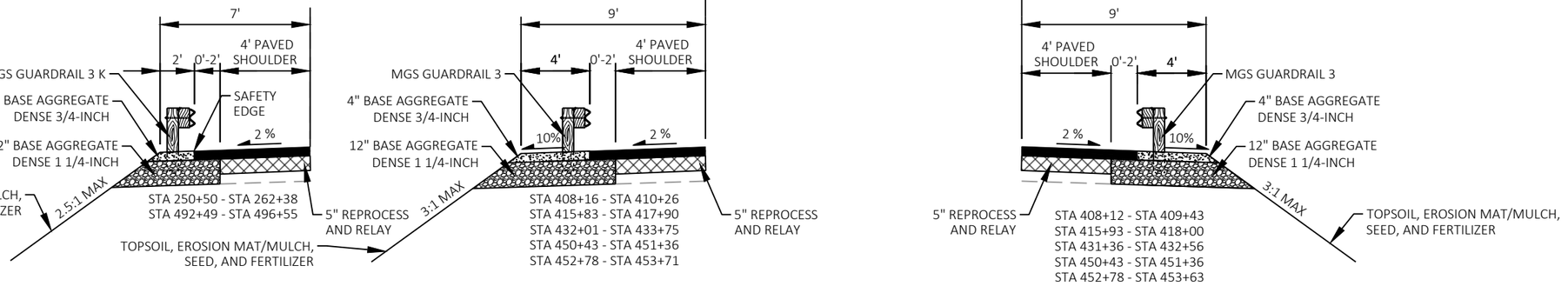
TYPICAL FINISHED SECTION - SIDEROADS

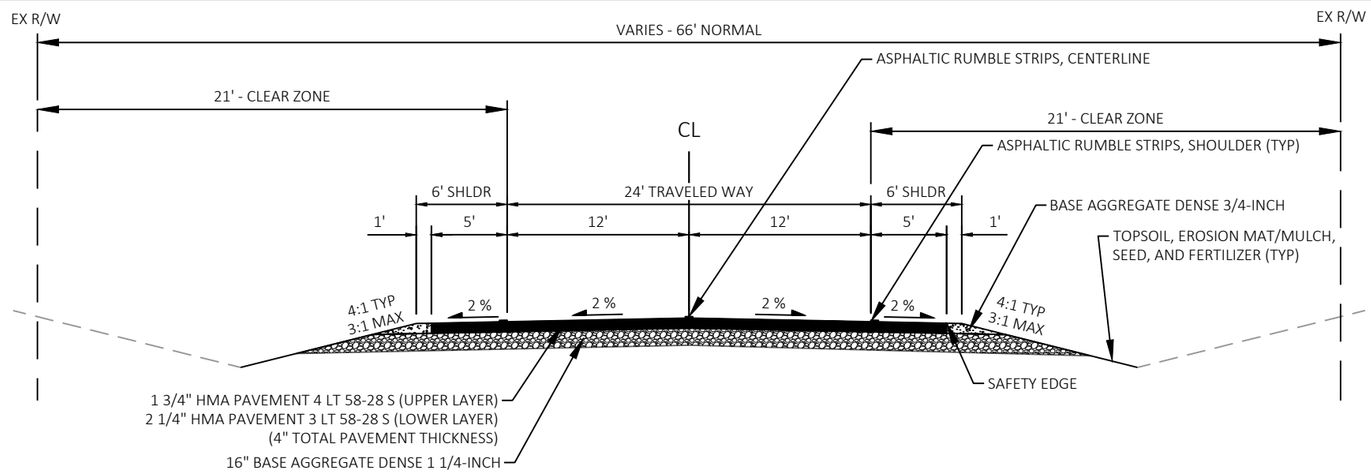
NOTE: SEE INTERSECTION DETAILS FOR FURTHER CONSTRUCTION REQUIREMENTS



TYPICAL FINISHED SECTION

STA 100+25 - STA 303+00
STA 315+50 - STA 497+00

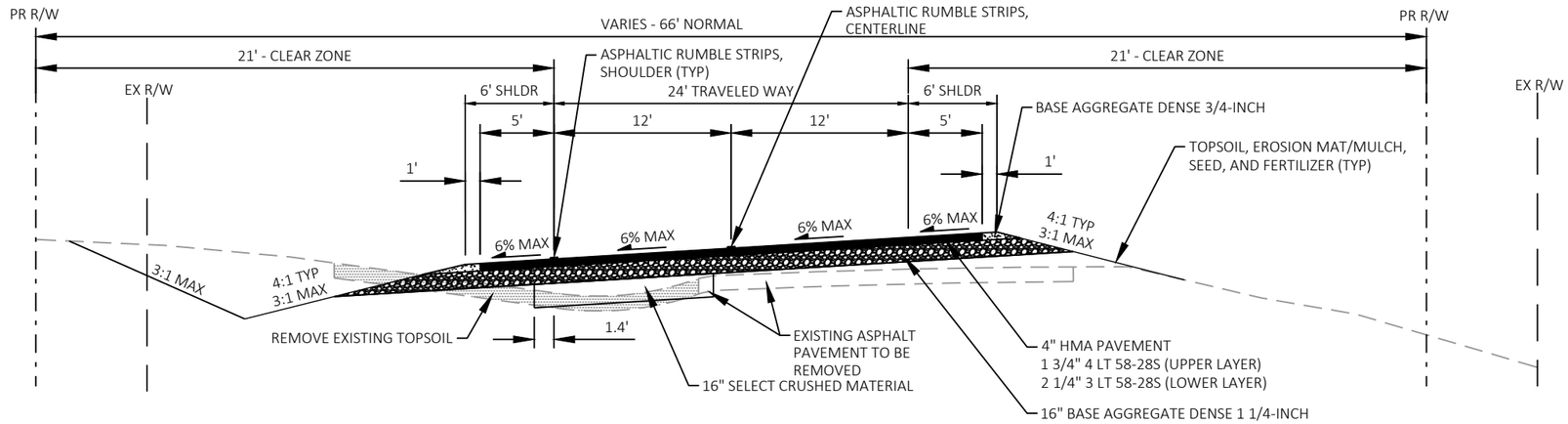




TYPICAL FINISHED SECTION

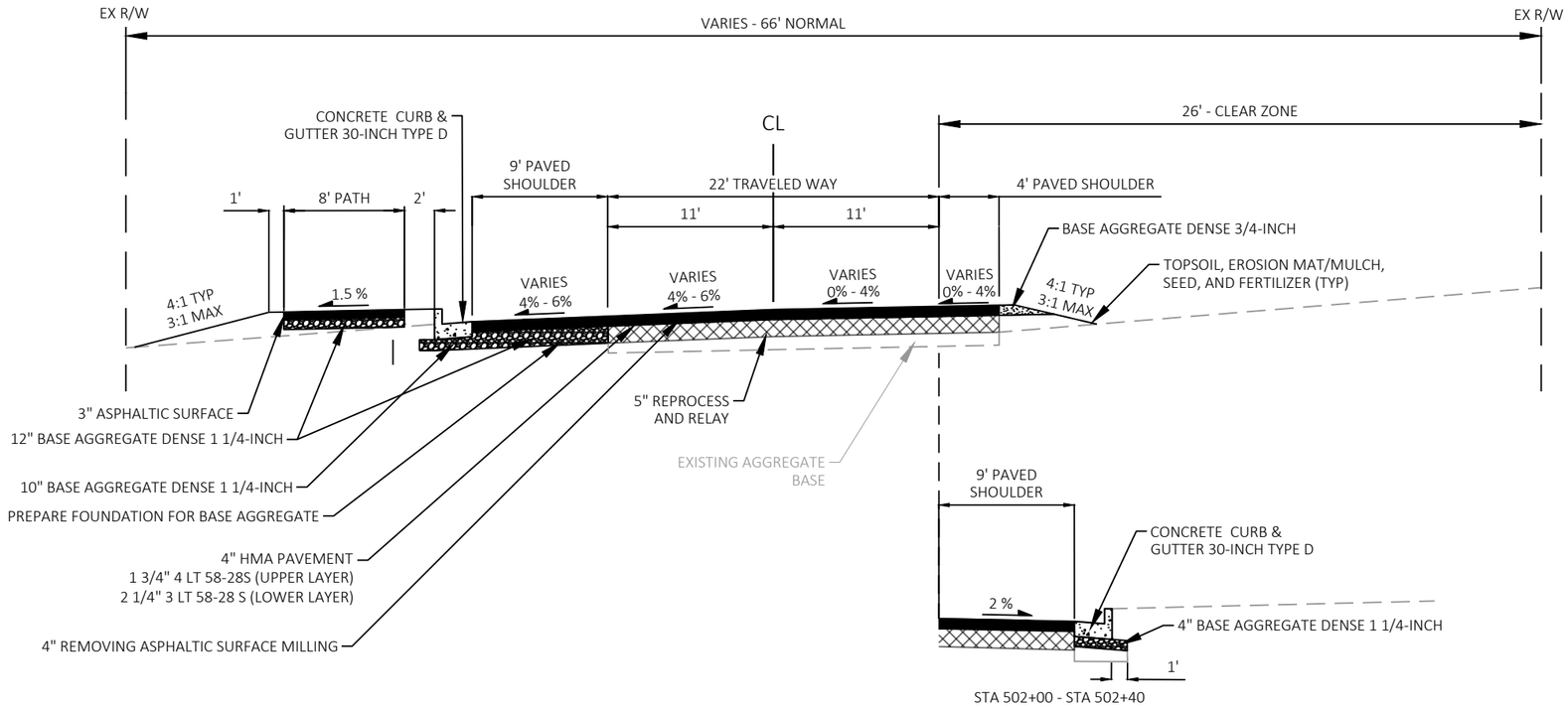
STA 303+00 - STA 306+46.89
STA 313+35.63 - STA 315+50
(RECONSTRUCTION)

PROJECT NO: 5620-00-72, 5620-00-73	HWY: STH 113	COUNTY: SAUK	TYPICAL SECTIONS	SHEET 6	E



TYPICAL FINISHED SECTION

STA 306+46.89 - STA 313+35.63



STA 502+00 - STA 502+40

TYPICAL FINISHED SECTION

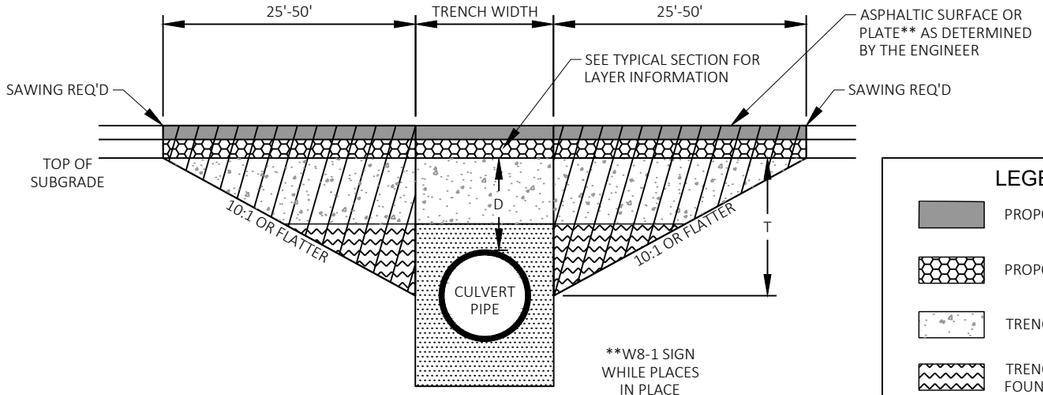
STA 497+00 - STA 502+40

PROJECT NO: 5620-00-72, 5620-00-73	HWY: STH 113	COUNTY: SAUK	TYPICAL SECTIONS	SHEET 7	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\020301-TS.DWG
LAYOUT NAME - 020303-ts

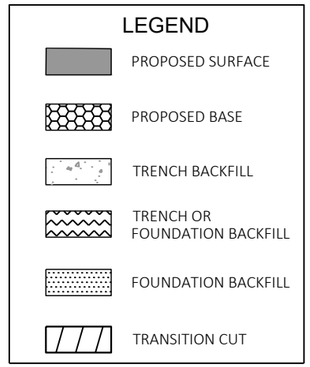
PLOT DATE : 2/12/2026 8:31 AM PLOT BY : ELA LODZINSKI PLOT NAME : PLOT SCALE : 1 IN:10 FT

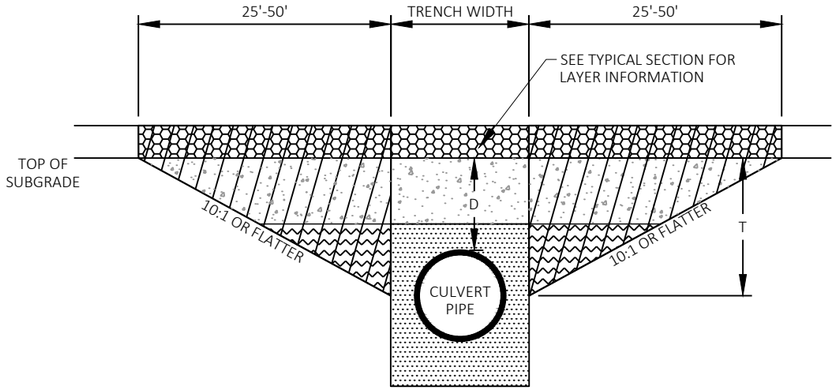
WISDOT/CADDS SHEET 42



TRANSITION CUT DEPTH (T) = THE LESSER OF DEPTH TO CENTER OF PIPE OR 5 FT.
DO NOT EXTEND TRANSITION CUT BELOW HORIZONTAL CENTER OF PIPE

DEPTH D < 6 FT
CULVERT PLACEMENT BEFORE MILLING OPTION





TRANSITION CUT DEPTH (T) = THE LESSER OF DEPTH TO CENTER OF PIPE OR 5 FT.
DO NOT EXTEND TRANSITION CUT BELOW HORIZONTAL CENTER OF PIPE

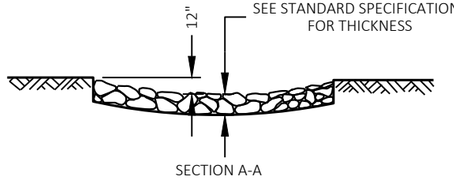
DEPTH D < 6 FT
CULVERT PLACEMENT AFTER MILLING OPTION

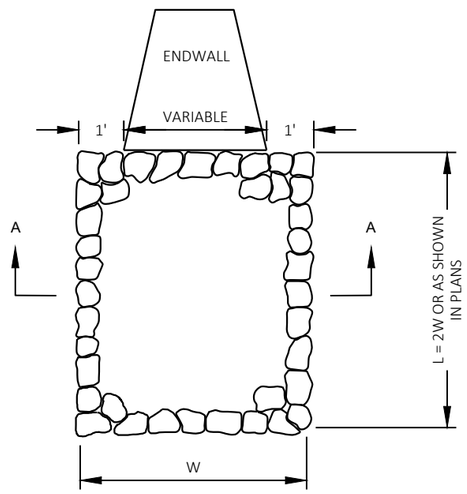
CULVERT PIPE TRANSITION DETAIL

NO SCALE
STA. 311+25, DEPTH = 4'
STA. 384+33, DEPTH = 4'

NOTES:

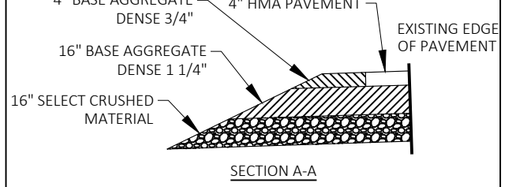
- TRANSITION CUT PAID AS EXCAVATION COMMON.
- TRANSITION CUT WIDTH IS FROM SUBGRADE SHOULDER POINT TO SUBGRADE SHOULDER POINT.
- TRENCH BACKFILL AND FOUNDATION BACKFILL USED IN TRANSITION CUT AREA IS INCIDENTAL TO CULVERT PIPE BID ITEMS.



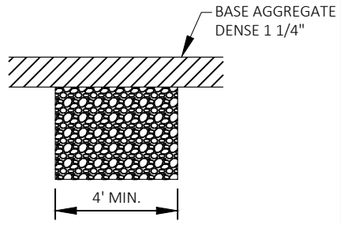


RIP RAP TREATMENT AT DOWNSTREAM OUTFALL DETAIL

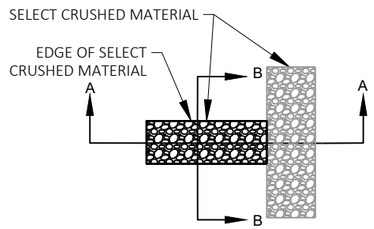
NOTE: SEE PLANS FOR MORE INFORMATION



SECTION A-A



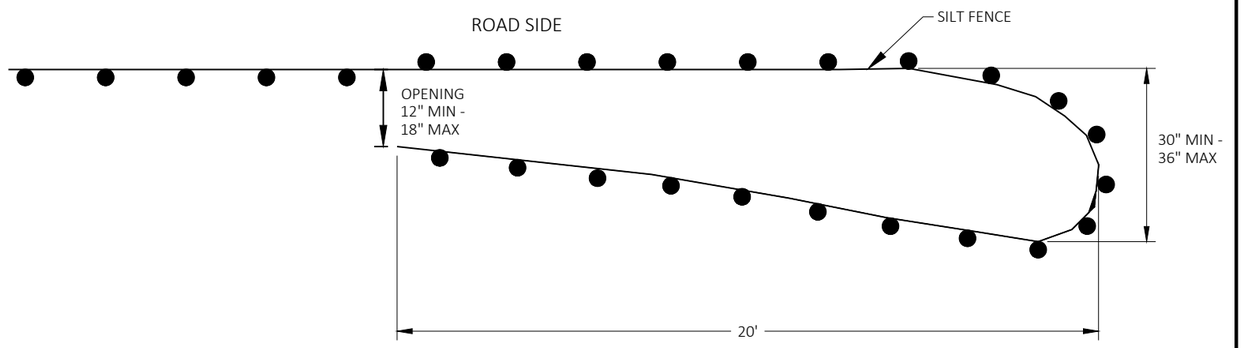
SECTION B-B



NOTE: PAID FOR AS SELECT CRUSHED MATERIAL
PLACE EVERY 250' AND AT LOW POINTS

FRENCH DRAIN DETAIL

NO SCALE

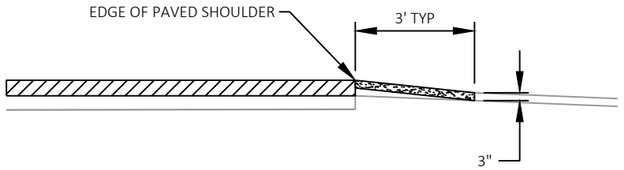


PLAN VIEW

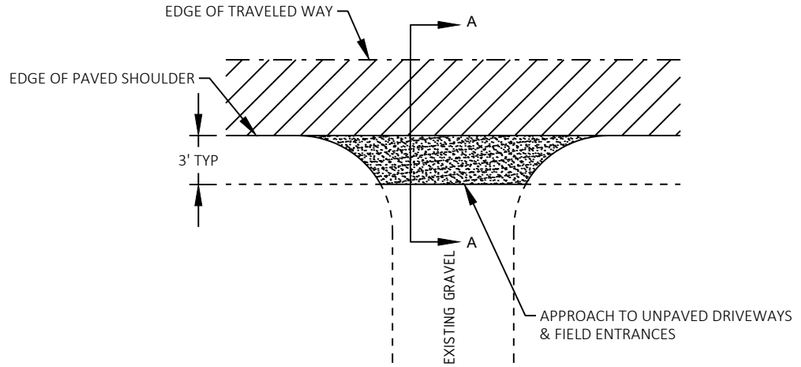
TEMPORARY SMALL ANIMAL TURN-AROUND

GENERAL NOTES:
SILT FENCE POSTS FOR THE TURN-AROUND SHOULD BE ON THE OUTSIDE OF THE TURN-AROUND AND TRENCHED IN ACCORDING TO SILT FENCE REQUIREMENTS.

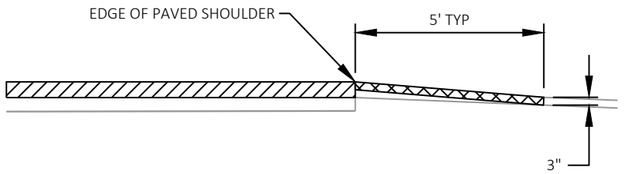
2



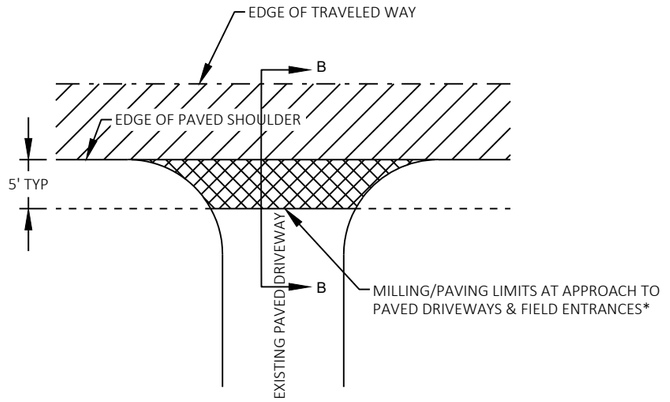
SECTION A-A



PLAN VIEW
GRAVEL DRIVEWAY



SECTION B-B



PLAN VIEW
PAVED DRIVEWAY

RURAL DRIVEWAY PAVING LIMITS

HMA PAVEMENT

REMOVING ASPHALTIC SURFACE BUTT JOINT
ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

BASE AGGREGATE DENSE 3/4-INCH

*LIMITS OF DRIVEWAYS TO BE CONFIRMED BY THE ENGINEER.

2

N

SIGN

HALWEG RD

SIGN

SIGN

SAUK CO BUILDING SERVICES
(COMMUNICATIONS)

PROJECT LIMITS
29.7' LT
MATCH EXIST
SAW CUT REQ'D

+73.8
50.0' LT

+02.3
29.6' LT

10+00

29.7' LT
+41.9

40.0' LT
+64.8

33'

FRONTIER (COMMUNICATIONS)

EX R/W

SIGN

SIGN

POST

R35'

R25'

+73.8
15.0' LT

15.0' LT
+64.7

SIGN

PT: 177+11.14

66'

15'

15'

177+00

CURVE 3

N1°26'54"E

300.98'

N1°26'54"E

178+00

PT: 10+42.59

EP: 10+50.00

179+00

N1°26'54"E

STH 113

C/L STH 113 STA 178+27.56
C/L HALWEG RD STA 10+50.00

EX R/W

FRONTIER
(COMMUNICATIONS)

ALLIANT ENERGY
(ELECTRICITY)

FRONTIER
(COMMUNICATIONS)

POST

RIVERLAND CONSERVANCY LLC
S6914
ID: 026-0607-00000

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	INTERSECTION DETAILS: STH 113 AT HALWEG RD	SHEET 10	E

2

N

WIS DEPARTMENT NATURAL RESOURCES

ID: 026-0494-00000

SAUK CO BUILDING SERVICES
(COMMUNICATIONS)

C/L STH 113 STA 212+81.06
C/L CTH DL STA 19+50.00

PI: 213+06.86

EX R/W

210+00 211+00 212+00 213+00 214+00 215+00 216+00

STH 113

N0°21'06"W

N0°27'27"W

BP: 19+50.00

+00.4 20.9' RT

+92.4 21.8' RT

TAPER

66'

15'

FRONTIER (COMMUNICATIONS)

ASPHALTIC FLUME

SAUK CO BUILDING SERVICES
(COMMUNICATIONS)

ASPHALTIC
FLUME

20+00

PC: 20+13.32

29'

TAPER

PROJECT LIMITS
-93.4' RT
MATCH EXIST.
SAW CUT REQ'D

ASPHALTIC FLUME

ALLIANT ENERGY
(ELECTRICITY)

CTH DL

21+00

120'

RIVERLAND CONSERVANCY INC
E13030
ID: 026-0495-00000

FRONTIER (COMMUNICATIONS)

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	INTERSECTION DETAILS: STH 113 AT CTH DL (EAST)	SHEET 11	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\021101-ID.DWG
LAYOUT NAME - 021101-CTH DL (East)

PLOT DATE : 10/15/2025 9:49 AM PLOT BY : NATHAN HARVEY PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

66'

EX R/W

EX R/W

S LAKE RD

+91.9
79.6' LT

+91.9
66.3' LT

23'

XXXXXXXXXXXXXXXXXX

81.3' LT +15.1

90.1' LT +89.7

+41.9
65.0' LT

PROJECT LIMITS
- 80.4' LT
MATCH EXIST.
SAW CUT REQ'D

R50'

R75'

30+00

SIGN

SIGN

ALLIANT ENERGY
(ELECTRICITY)

ALLIANT ENERGY
(ELECTRICITY)

OH

EXISTING DITCH LINE

+41.9
15.0' LT

EX R/W

15.0' LT +88.4

PI: 231+08.63

C/L STH 113 STA 232+09.22
C/L S. LAKE RD STA 30+50.00

15'

15'

231+00

STH 113

66'

N7°31'34"E

232+00

EP: 30+50.00

233+00

XXXXXXXXXXXXXXXXXXXXXXX

SIGN

T

E

EX R/W

BRIGHTSPEED
(COMMUNICATIONS)

ALLIANT ENERGY
(ELECTRICITY)

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	INTERSECTION DETAILS: STH 113 AT LAKE RD	SHEET 12	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\021101-ID.DWG
LAYOUT NAME - 021101-Lake Rd

PLOT DATE : 10/15/2025 9:49 AM PLOT BY : NATHAN HARVEY PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

2

ALLIANT ENERGY
(ELECTRICITY)

EX R/W

C/L STH 113 STA 276+45.19
C/L SOLUM LN STA 39+50.00

PI: 275+84.90

15'

275+00

N27°15'22"W

276+00

277+00

N27°26'41W

STH 113

66'

315.30'

15'

BP: 39+50.00

+91.8
15.0' RT

R 20'

+91.1
35.0' RT

EX R/W

BRIGHTSPEED
(COMMUNICATIONS)

+09.7
42.4' RT

+06.3
51.3' RT

EX R/W

24'

40.00

R 50'

15.0' RT +82.1

42.8' RT +37.4

65.0' RT +82.1

BRIGHTSPEED
(COMMUNICATIONS)

66'

61.9' RT +27.8

PROJECT LIMITS
56.6' RT
MATCH EXIST.
SAW CUT REQ'D

SOLUM LN

EX R/W

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	INTERSECTION DETAILS: STH 113 AT SOLUM LN	SHEET 13	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\021101-ID.DWG
LAYOUT NAME - 021101-Solum Ln

PLOT DATE : 10/15/2025 9:49 AM PLOT BY : NATHAN HARVEY PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

2

N

EX R/W

66'

CTH DL

PROJECT LIMITS
- 94.0' LT
MATCH EXIST
SAW CUT REQ'D

28.5'

XXXXXXXXXXXXXXXXXXXXXXXXX

EX R/W

TAPER

15'

50+00

WATER EDGE

SIGN

SIGN

EXISTING DITCH LINE

POST

POST

BRIGHTSPEED
(COMMUNICATIONS)

EX R/W

SIGN

SIGN

FO

PI: 334+17.45

+90.7

15.0' LT

15'

334+00

N19°31'04"W

66'

15'

N19°04'52"W

335+00

EP: 50+50.00

C/L STH 113 STA 334+75.26
C/L CTH DL STA 50+50.00

SIGN

SIGN

PI: 336+01.80

+94.0

15.0' LT

15'

336+00

STH 113

N18°42'12"W

15'

POST

T

OH

RIP-RAP EDGE

BRIGHTSPEED
(COMMUNICATIONS)

EX R/W

BRIGHTSPEED
(COMMUNICATIONS)

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	INTERSECTION DETAILS: STH 113 AT CTH DL (WEST)	SHEET 14	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\021101-ID.DWG
LAYOUT NAME - 021101-CTH Rd DL (West)

PLOT DATE : 10/15/2025 9:49 AM PLOT BY : NATHAN HARVEY PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

2

N

EX R/W

GN

POST

PI: 336+01.80

15'

66'

15'

+00

337+00

C/L STH 113 STA 337+33.25
C/L TOWER RD STA 59+50.00

BP: 59+50.00

N18°42'12"2W

338+00

339+00

STH 113

15'

BRIGHTSPEED
(COMMUNICATIONS)

15.0' RT +62.4

POST

SIGN

EX R/W

BRIGHTSPEED
(COMMUNICATIONS)

ALLIANT ENERGY
(ELECTRICITY)

R55'

+62.6
70.0' RT

+17.5
67.1' RT

24.5'

XXXXXXXXXXXXXXXXXX

60+00

TOWER RD

SIGN

EX R/W

BRIGHTSPEED
(COMMUNICATIONS)

66'

PROJECT LIMITS
- 67.7' RT
MATCH EXIST
SAW CUT REQ'D

15.0' RT +87.5

R45'

57.9' RT +42.6

60.0' RT +87.5

BRIGHTSPEED
(COMMUNICATIONS)

68.3' RT +42.1

EX R/W

BRIGHTSPEED
(COMMUNICATIONS)

ALLIANT ENERGY
(ELECTRICITY)

ALLIANT ENERGY
(ELECTRICITY)

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	INTERSECTION DETAILS: STH 113 AT TOWER RD	SHEET 15	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\021101-ID.DWG
LAYOUT NAME - 021101-Tower Rd

PLOT DATE : 10/15/2025 9:49 AM PLOT BY : NATHAN HARVEY PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

PROJECT LIMITS
- 51.8' LT
MATCH EXIST
SAW CUT REQ'D

+82.2
58.1' LT

EX R/W

49.5'

WILDWOOD RD

EX R/W

22.5'

+61.6
28.1' LT

+36.6
45.1' LT

+36.3
15.0' LT

R30'

BRIGHTSPEED
(COMMUNICATIONS)

EX R/W

SIGN

SIGN

SIGN
POST

+00.0

+00.8
45.4' LT

PC: 69+96.90

+14.9
33.5' LT

R18'

BRIGHTSPEED
(COMMUNICATIONS)

PT: 70+29.67

+18.0
15.0' LT

Mid: 372+68.50

66'

15'

15'

372+00

373+00
EP: 70+50.00

374+00

STH 113

C/L STH 113 STA 372+80.28
C/L WILDWOOD RD STA 70+50.00

EX R/W

ALLIANT ENERGY (ELECTRICITY),
SPECTRUM (COMMUNICATIONS)

BRIGHTSPEED
(COMMUNICATIONS)

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	INTERSECTION DETAILS: STH 113 AT WILDWOOD RD	SHEET 16	E

2

2

STEINKE RD

EX R/W

66'

+99.3
85.0' LT

R70'

+76.5
78.5' LT

22.5'

PROJECT LIMITS
- 73.3' LT
MATCH EXIST.
SAW CUT REQ'D

67.1' LT +96.1

PC: 79+76.76

80+00

PT: 80+17.68

R40'

55.1' LT +34.3

15.0' LT +34.3

TIMOTHY P & DARCY A JOHNSON LIVING TRUST
E12295
PI: 018-0235-00000

BRIGHTSPEED
(COMMUNICATIONS)

ALLIANT ENERGY
(ELECTRICITY) &
SPECTRUM
(COMMUNICATIONS)

ALLIANT ENERGY
(ELECTRICITY) &
SPECTRUM
(COMMUNICATIONS)

BRIGHTSPEED
(COMMUNICATIONS)

SIGN

SIGN

SIGN

+99.3
15.0' LT

PT: 396+73.91

397+00

398+00

399+00

EP: 80+50.00

N29°40'39"W

STH 113

15'

15'

66'

66'

C/L STH 113 STA 397+73.25
C/L STEINKE RD STA 80+50.00

BRIGHTSPEED
(COMMUNICATIONS)

ALLIANT ENERGY
(GAS)

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	INTERSECTION DETAILS: STH 113 AT STEINKE RD	SHEET 17	E

2

N

KESSLER RD

EX R/W

66'

PROJECT LIMITS
- 54.5' LT
MATCH EXIST.
SAW CUT REQ'D

+92.9
54.8' LT

+31.8
56.8' LT

+28.5
43.0' LT

52.0' LT +51.0

ALLIANT ENERGY (GAS)

BRIGHTSPEED (COMMUNICATIONS)

21.5'

95+00

R40'

R35'

49.7' LT +83.4

PT: 95+06.74

BRIGHTSPEED
(COMMUNICATIONS)

+96.5
15.0' LT

15.0' LT +79.1

BRIGHTSPEED (COMMUNICATIONS

18" GRATE OVER 18" CMP BASE AT 2.22' N&S

PE
GRVL

GUY

18" CMP

GRVL

Mid: 430+26.38

430+00

431+00

15'

STH 113

429+00

69'

15'

15'

66'

432+00

+63.8
15.0' RT

PC: 95+89.82

R35'

96+00

CAUTION

15.0' RT +69.0

ASPH

GRVL

R30'

SAUK CO BUILDING SERVICES
(COMMUNICATIONS)

45.0' RT +69.4

BM#56

SLOPE INTERCEPT
(TYP)

ALLIANT ENERGY
(GAS)

ALLIANT ENERGY
(GAS)

ALLIANT ENERGY
(ELECTRICITY) &
SPECTRUM
(COMMUNICATIONS)

+64.8
50.0' RT

28'

BRIGHTSPEED
(COMMUNICATIONS)

+01.8
58.9' RT

65.4' RT +31.9

40.1' RT +37.7

C/L STH 113 STA 430+30.42
C/L KESSLER RD / CTH W STA 95+50.00

8" CONC HEADWALL

PROJECT LIMITS
- 62.3' RT
MATCH EXIST
SAW CUT REQ'D

CTH W

66'

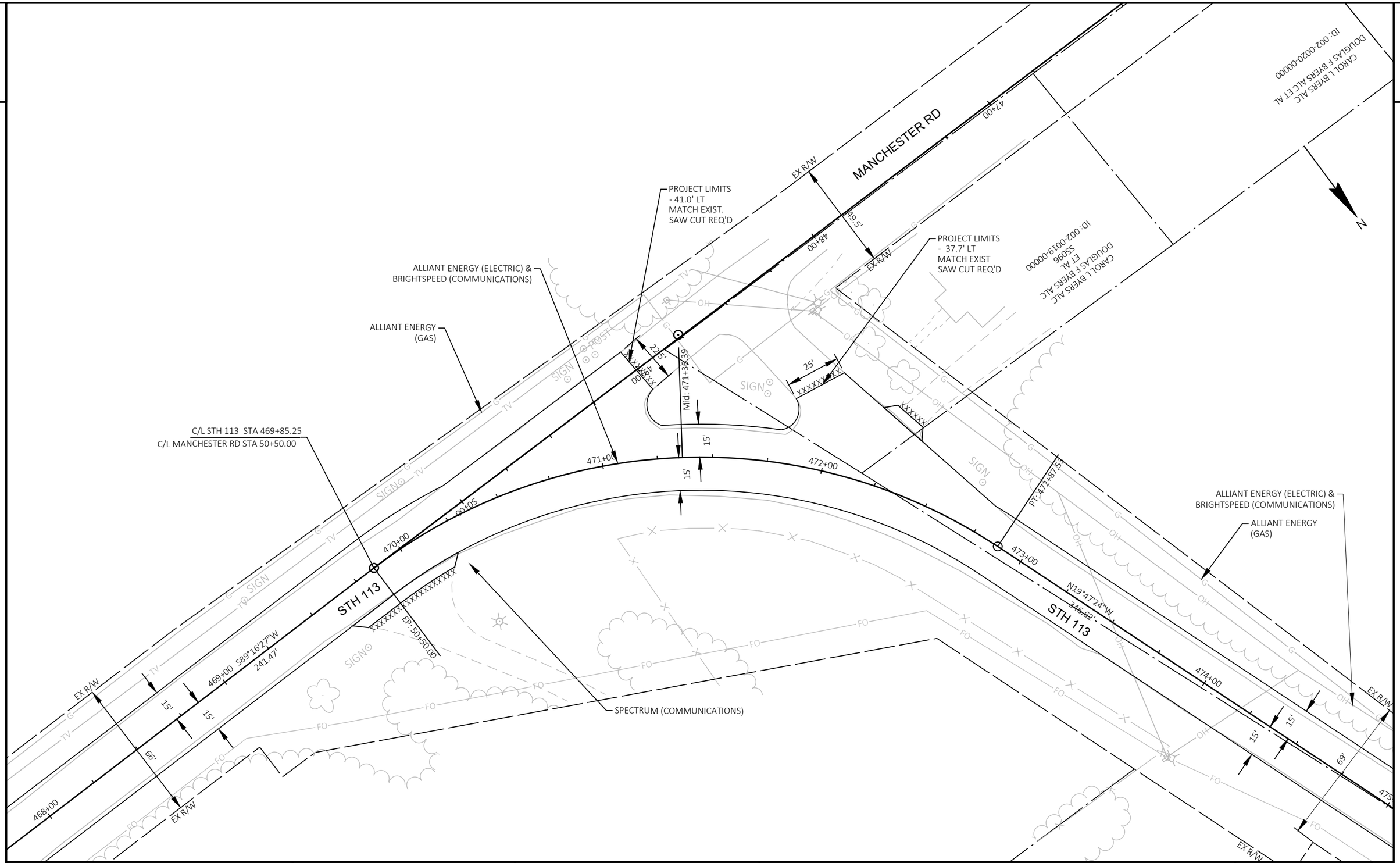
SIGN

POST

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	INTERSECTION DETAILS: STH 113 AT KESSLER RD AND CTH W	SHEET 18	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\021101-ID.DWG
LAYOUT NAME - 021101-Kessler Rd CTY Rd W
PLOT DATE : 10/15/2025 9:50 AM PLOT BY : NATHAN HARVEY PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2



PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	INTERSECTION DETAILS: STH 113 AT MANCHESTER RD	SHEET 19	E

PROJECT LIMITS
- 42.9' LT
MATCH EXIST
SAW CUT REQ'D

SLOPE INTERCEPT (TYP)
SAWING CONCRETE

EX IE 817.868

826.42 EOP
28.8' LT PT +23.7

44.9' LT +44.6

826.18 EOP
39.3' LT +12.7

826.58 EOP
22.6' LT MID +32.4

12" RETAINING
6' X 4' S

EXISTING ASPHALTIC PATH

TREE LINE

CONCRETE CURB & GUTTER
30-INCH TYPE D

ALLIANT ENERGY
(GAS)

REMOVE MARKER
POSTS (TYP)

EFFINGER RD

PI: 9+49.74

PC: 9+97.11

9+00

WHITE AND
SILVER MARKER

CITY OF BARABOO
(SANITARY)

XXXXXXXXXXXXXXXXXXXX

R 25'

ASPH

EX R/W

17'

WHITE AND BLACK MARKER

826.46 EOP
20.0' LT PC +42.7

PT: 497+51.81

CITY OF BARABOO
(WATER)

66'

15'

15'

STH 113

496+00

Mid: 496+51.81

PT: 10+32.37

498+00

N69°21'59"W

20'

69'

STH 113

497+00

EP: 10+50.00

15'

EX R/W

6" STONE
IN DITCH

GRVL

PE
ASPH

+36.3
15.0' RT

EX R/W

+61.3
45.0'

BRIGHTSPEED
(COMMUNICATIONS)

ALLIANT ENERGY (ELECTRICITY) &
SPECTRUM (COMMUNICATIONS)

RIPRAP MEDIUM

WHITE AND
BLACK MARKER

TREE LINE

CITY OF BARABOO
(WATER)

BM#51

EX IE 824.703

C/L STH 113 STA 497+00.83
C/L EFFINGER RD STA 10+50.00

#1031

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	INTERSECTION DETAILS: STH 113 AT EFFINGER RD	SHEET 20	E

2

2

N

C/L STH 113 STA 498+90.38
C/L WASHINGTON AVE STA 19+50.00

TEMPORARY LIMITED EASEMENT (TLE)

SLOPE INTERCEPT (TYP)

CONCRETE CURB & GUTTER
30-INCH TYPE D

ASPHALTIC PATH

REMOVE MARKER POSTS (TYP)

SAWING
ASPHALT

TLE

EX R/W

12" RETAINING WALL

6' X 4' STONE

6' X 4' STONE

EX IE 817.803

EX IE 813.951

12" VCP

CONC

TREE LINE

ASPH

2 BLACK AND
WHITE MAKERS

17'

8'

2'

20'

20'

15'

15'

99'

Mid: 500+95.12

498+00

499+00

500+00

STH 113

824.92 EOP
+61.3 15.0' RT PC

824.83 EOP
+77.6 20.1' RT MID

+36.3 15.0' RT

+61.3 45.0' RT

824.92 EOP
+88.2 33.5' RT PT

825.31 EOP
+93.8 47.9' RT

EX IE 822.741

15.0' RT +32.7

30.0' RT +32.8

35.2' RT +19.1

R30'

R15'

29'

501+00

GRVL

PE
ASPH

EX R/W
PE
GRVL

CITY OF BARABOO
(WATER)

SATELLITE DISH

STONE 4' + 4'

6" FLAGSTONE
RETAINING WALL

BRIGHTSPEED
(COMMUNICATIONS)

TIMBER EDGING

BM#50

WASHINGTON AVE

#1031

#1021

PROJECT LIMITS
- 42.6' RT
MATCH EXIST
SAW CUT REQ'D

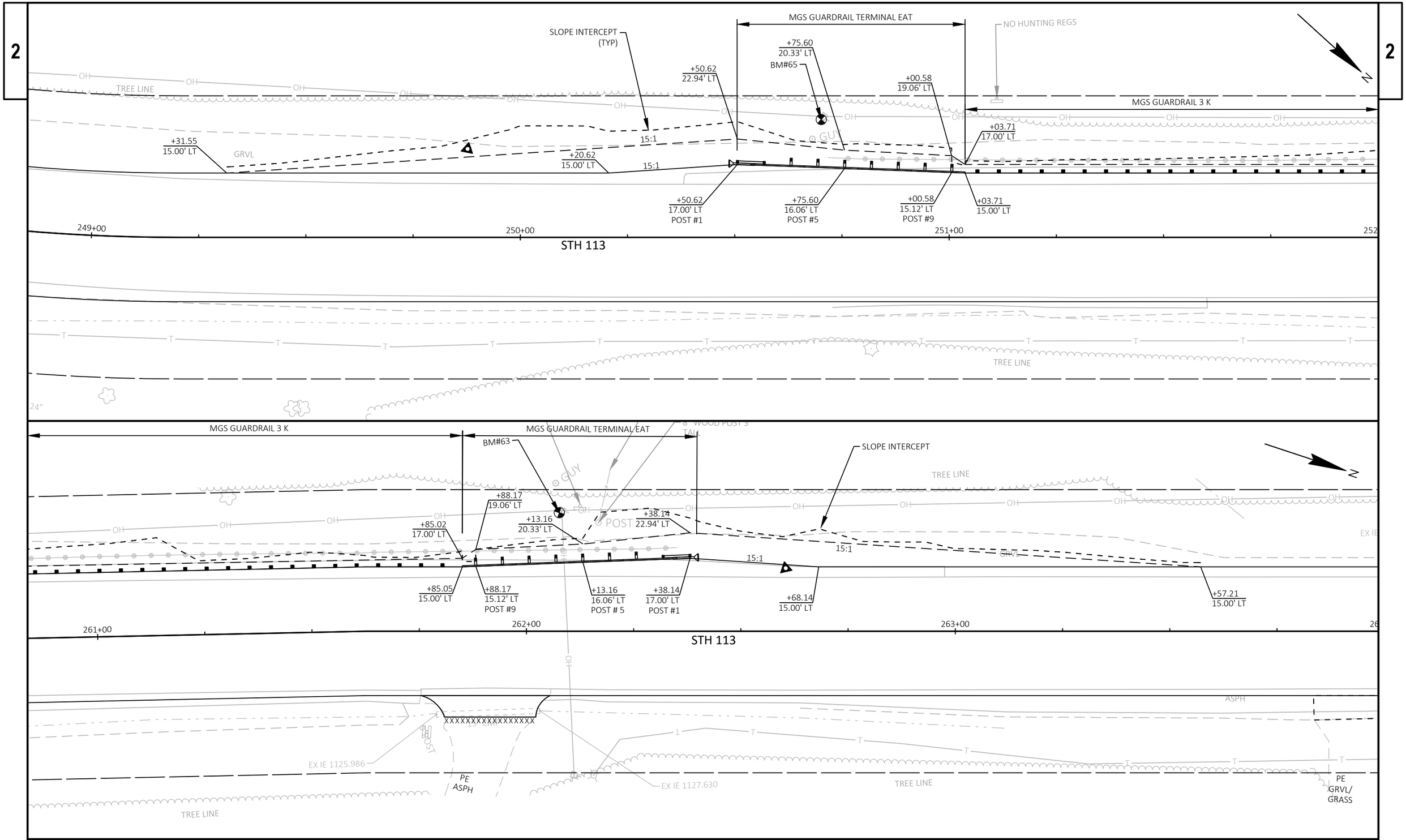
NICHOLAS R HEPP
SARAH M HEPP
1021 WATER ST
206-0774-00000

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	INTERSECTION DETAILS: STH 113 (WATER ST) AT WASHINGTON AVE	SHEET 21	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\021101-ID.DWG
LAYOUT NAME - 021101-Washington Ave

PLOT DATE : 10/15/2025 9:50 AM PLOT BY : NATHAN HARVEY PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	BEAM GUARD DETAIL	SHEET 22	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\021401-BG.DWG
LAYOUT NAME - 021401-bg
PLOT DATE : 2/12/2026 7:27 PM
PLOT BY : ELA LODZINSKI
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

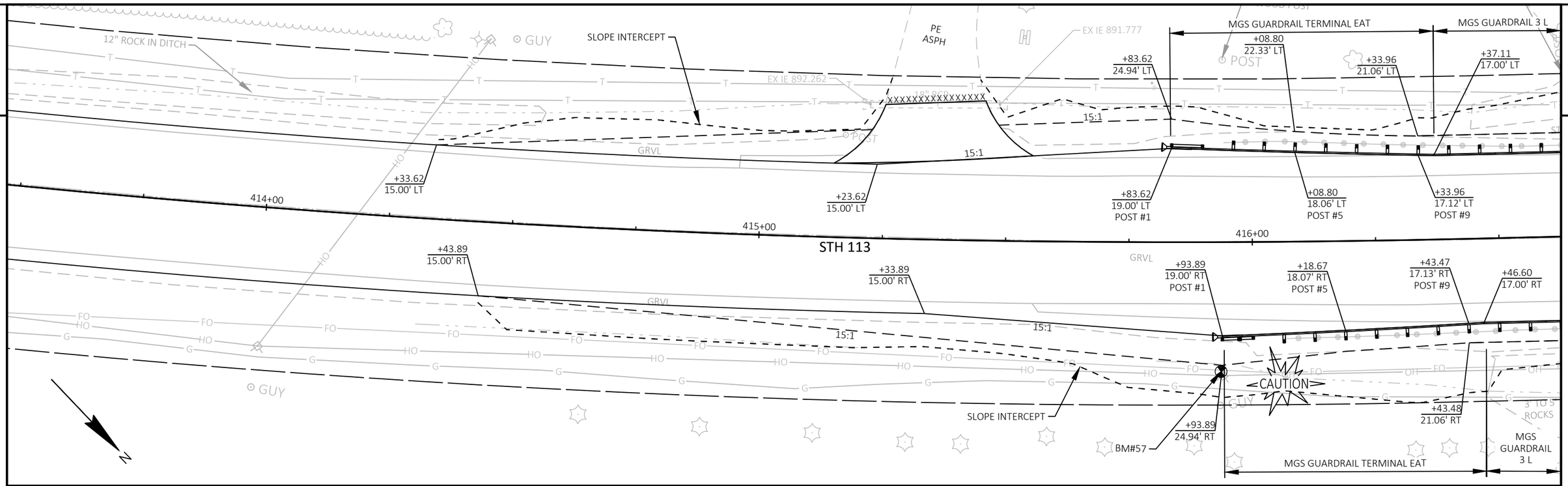
2

SLOPE INTERCEPT
+82.46
28.07' LT
INV = 922.59
+16.13
24.97' LT
PE
GRVL
+58.72
26.04' LT
INV = 923.37
MGS GUARDRAIL TERMINAL EAT
MGS GUARDRAIL 3 L
3' TO 5' ROCKS
8" CONC HEADWALL
15:1
15:1
+16.28
19.00' LT
POST #1
+41.05
18.08' LT
POST #5
+66.04
17.11' LT
POST #9
+69.16
17.00' LT
ASPH
+56.28
15.00' LT
+66.28
15.00' LT
408+00
409+00
407+00
STH 113
+11.98
19.00' RT
POST #1
+37.31
18.11' RT
POST #5
+62.29
17.12' RT
POST #9
+65.41
17.00' RT
+51.98
15.00' RT
12' X 5' BOX CULVERT
ASPH
CONC
15:1
15:1
CAUTION
18" RCP
XXXXXXXXXX
+61.98
15.00' RT
+55.69
24.37' RT
INV = 925.25
+35.61
22.95' RT
INV = 926.07
+61.97
23.28' RT
+66.92
21.01' RT
+11.17
24.99' RT
EX IE 925.917
8" CPP
BM#59
SLOPE INTERCEPT
MGS GUARDRAIL TERMINAL EAT
MGS GUARDRAIL 3 L
MGS GUARDRAIL 3 L
MGS GUARDRAIL TERMINAL EAT
SLOPE INTERCEPT
16.1' CENTER TO CENTER OF POSTS
+31.25
25.63' LT
+31.32
19.00' LT
15:1
+91.32
15.00' LT
409+00
411+00
410+00
STH 113
+74.54
17.12' LT
POST #9
+76.21
17.00' LT
+00.44
18.06' LT
POST #5
+26.43
18.93' LT
POST #1
15.5' CENTER TO CENTER OF POSTS
12' X 5' BOX CULVER
+36.84
17.00' RT
+66.19
15.00' RT
CONC
GRVL
XXXXXXXXXXXXXXXXXXXXXX
MGS GUARDRAIL 3 L
R8'
CAUTION
Y = 229269.373
X = 659407.707
+42.77
33.00' RT
MGS GUARDRAIL
SHORT RADIUS
PE
ASPH
4' POST
GUY
GEORGE N MAXWELL
GENEVIEVE G MAXWELL
LIVING TRUST
ID: 018-0218-00000

MGS BEAM GUARD SHORT RADIUS		
RADIUS	LENGTH	NO. POSTS
8'	21'	4

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	BEAM GUARD DETAIL	SHEET 23	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\021401-BG.DWG
LAYOUT NAME - 021402-bg
PLOT DATE : 2/12/2026 7:28 PM
PLOT BY : ELA LODZINSKI
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42



PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	BEAM GUARD DETAIL	SHEET 24	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\021401-BG.DWG
LAYOUT NAME - 021403-bg

PLOT DATE : 2/12/2026 7:28 PM PLOT BY : ELA LODZINSKI PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

MGS BEAM GUARD SHORT RADIUS		
RADIUS	LENGTH	NO. POSTS
8'	21'	4

KESSLER RD

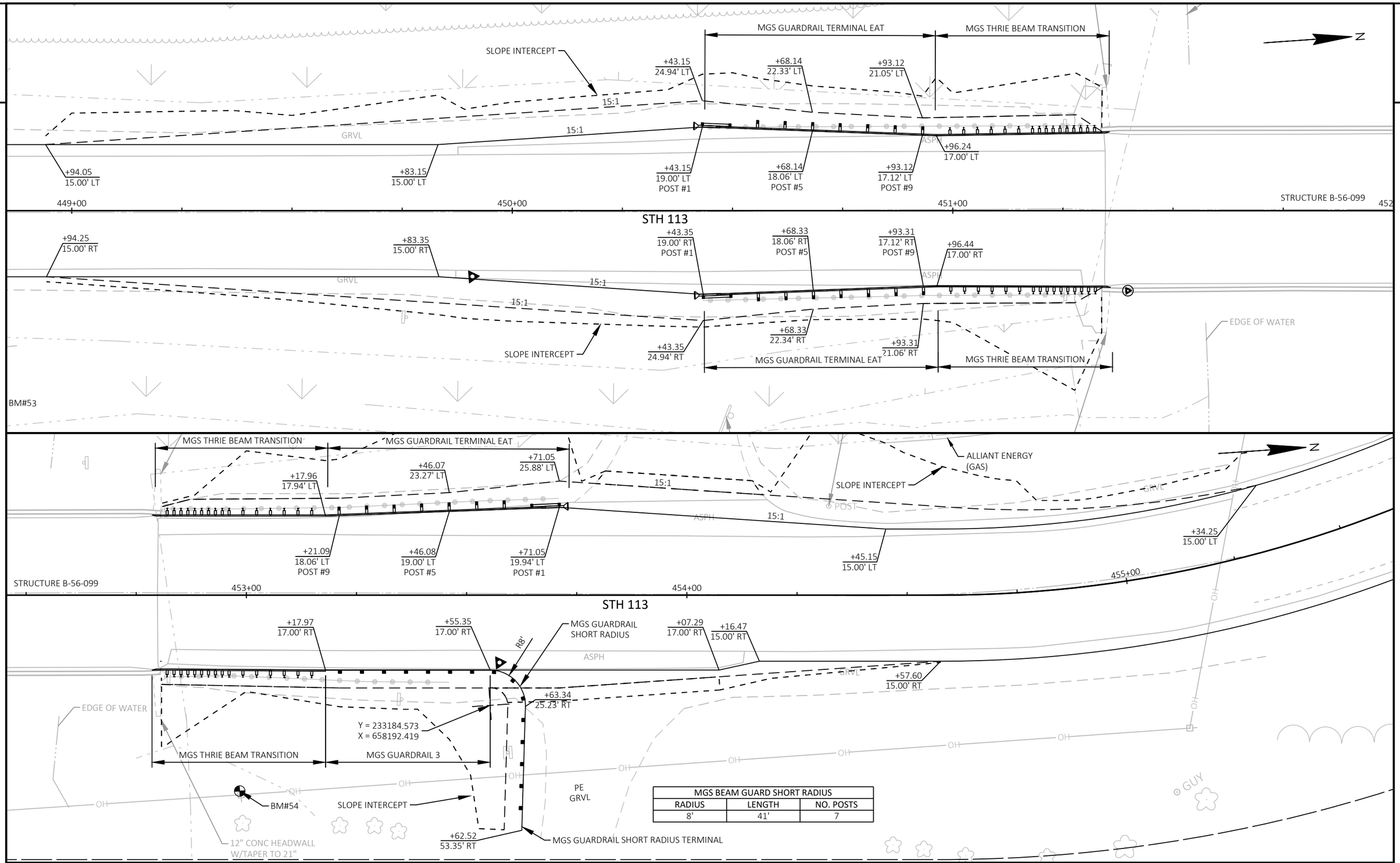
SLOPE INTERCEPT
REMOVING SMALL PIPE CULVERT, 2FT
CONCRETE COLLAR
REMOVING CULVERT ENDWALL
Y = 231043.120
X = 658069.068
EX IE 841.918
EX IE 844.120
8" CONC HEADWALL
APRON ENDWALLS FOR CULVERT PIPE STEEL 18-INCH
SURVEY MARKER
WHITE AND BLACK MARKER
PE GRVL
+01.62 25.00' LT
MGS GUARDRAIL SHORT RADIUS
MGS GUARDRAIL 3 L
18" GRATE OVER 18" CMP BASE AT 2.22' N&S
+17.08 28.50' LT INV = 841.59
+79.06 15.00' LT
+09.77 17.00' LT
CULVERT PIPE CORRGUATED STEEL 18-INCH, 10 FT
+56.65 17.00' LT
18.7' CENTER TO CENTER OF POSTS
STH 113
431+00
432+00
433+00
+36.28 19.00' RT POST #1
+61.99 18.06' RT POST #5
+87.67 17.12' RT POST #9
+90.88 17.00' RT
+76.28 15.00' RT
430+00
15:1
+61.99 22.33' RT
+87.67 16' RT
+36.28 24.94' RT
MGS GUARDRAIL TERMINAL EAT
MGS GUARDRAIL 3 L
MGS GUARDRAIL SHORT RADIUS
CAUTION
SLOPE INTERCEPT
Y = 231083.988
X = 658119.212
179' X 60" CMP CULVERT

MGS BEAM GUARD SHORT RADIUS		
RADIUS	LENGTH	NO. POSTS
8'	21'	4

MGS GUARDRAIL 3 L
MGS GUARDRAIL TERMINAL EAT
BM#55
SLOPE INTERCEPT
+75.36 24.94' LT
+22.27 21.00' LT
+50.38 22.33' LT
15:1
10:1
+22.27 17.00' LT
+25.39 17.12' LT POST #9
+50.38 18.06' LT POST #5
+75.36 19.00' LT POST #1
+35.36 15.00' LT
+24.46 15.00' LT
433+00
434+00
435+00
436+00
STH 113

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	BEAM GUARD DETAIL	SHEET 25	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\021401-BG.DWG
LAYOUT NAME - 021404-bg
PLOT DATE : 2/12/2026 7:28 PM
PLOT BY : ELA LODZINSKI
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42



MGS BEAM GUARD SHORT RADIUS		
RADIUS	LENGTH	NO. POSTS
8'	41'	7

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	BEAM GUARD DETAIL	SHEET 26 E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\021401-BG.DWG
LAYOUT NAME - 021405-bg
PLOT DATE : 2/12/2026 7:28 PM
PLOT BY : ELA LODZINSKI
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2

2

BM#52

+49.66
22.94' LT

MGS GUARDRAIL TERMINAL EAT

SLOPE INTERCEPT

+96.73
19.08' LT

+99.32
17.02' LT

MGS GUARDRAIL 3 K

15:1

15:1

+19.36
15.00' LT

+49.36
17.00' LT
POST #1

+72.97
16.06' LT
POST #5

+96.56
15.14' LT
POST #9

+99.82
15.00' LT

+30.56
15.00' LT

491+00

492+00

493+00

494+00

STH 113

GRVL

TREE LINE

POST

6" STONE
IN DITCH

EFFINGER RD

WHITE AND BLACK MARKER

SLOPE INTERCEPT

TREE LINE

MGS GUARDRAIL 3 K

WHITE AND
SILVER MARKER

MGS GUARDRAIL TERMINAL EAT

+00
17.00' LT

+00
15.00' LT

+03.24
19.06' LT

+29.16
20.34' LT

+55.14
22.96' LT

+03.24
15.12' LT
POST #9

+29.12
16.06' LT
POST #5

+55.14
17.00' LT
POST #1

+76.14
16.70' LT

495+00

496+00

497+00

STH 113

GRVL

TREE LINE

6" STONE
IN DITCH

WHITE AND
BLACK MARKER

BM#51

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	BEAM GUARD DETAIL	SHEET 27	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\021401-BG.DWG
LAYOUT NAME - 021406-bg

PLOT DATE : 2/12/2026 7:28 PM PLOT BY : ELA LODZINSKI PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

2

N

SIGN

128 130 132 134

STH 113

T OH FO POST

NOTE: TERMINATE ENDS OF SILT FENCE UPSLOPE OF MAIN LENGTH OF RUN.

LEGEND

- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- CULVERT PIPE CHECK
- DITCH CHECK
- EROSION MAT URBAN CLASS I, TYPE B
- MULCHING
- WEED FREE MULCH
- RIP RAP MEDIUM GEOTEXTILE TYPE HR

N

144 146 148 150

STH 113

POST SIGN

NOTE: TERMINATE ENDS OF SILT FENCE UPSLOPE OF MAIN LENGTH OF RUN.

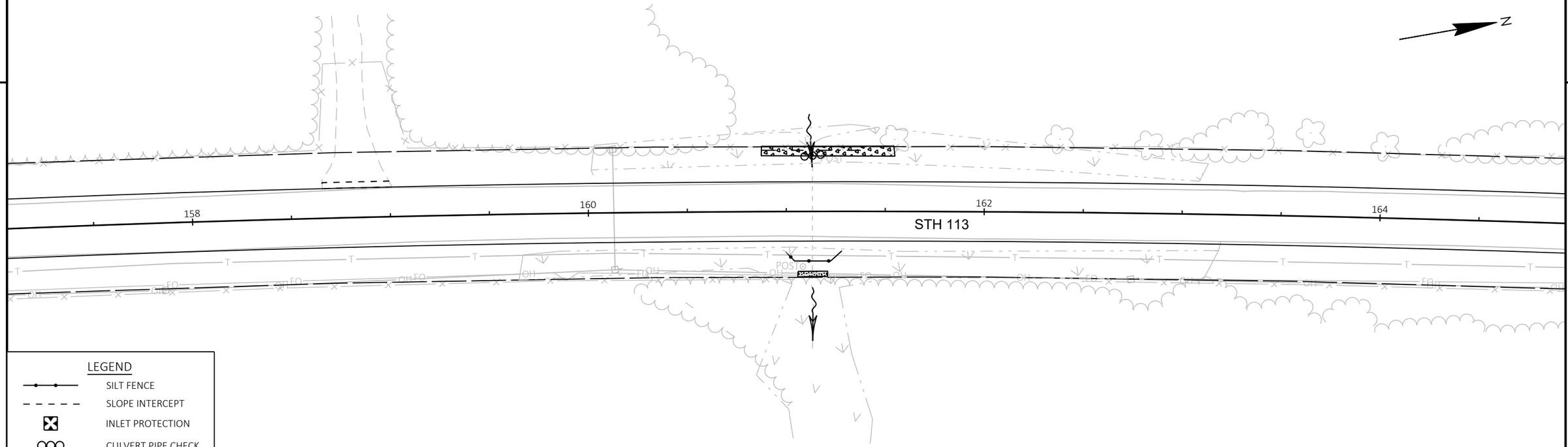
PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	EROSION CONTROL	SHEET 28	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\022001-EC.DWG
LAYOUT NAME - 022001-ec

PLOT DATE : 2/12/2026 6:46 PM PLOT BY : ELA LODZINSKI PLOT NAME : PLOT SCALE : 1 IN:50 FT

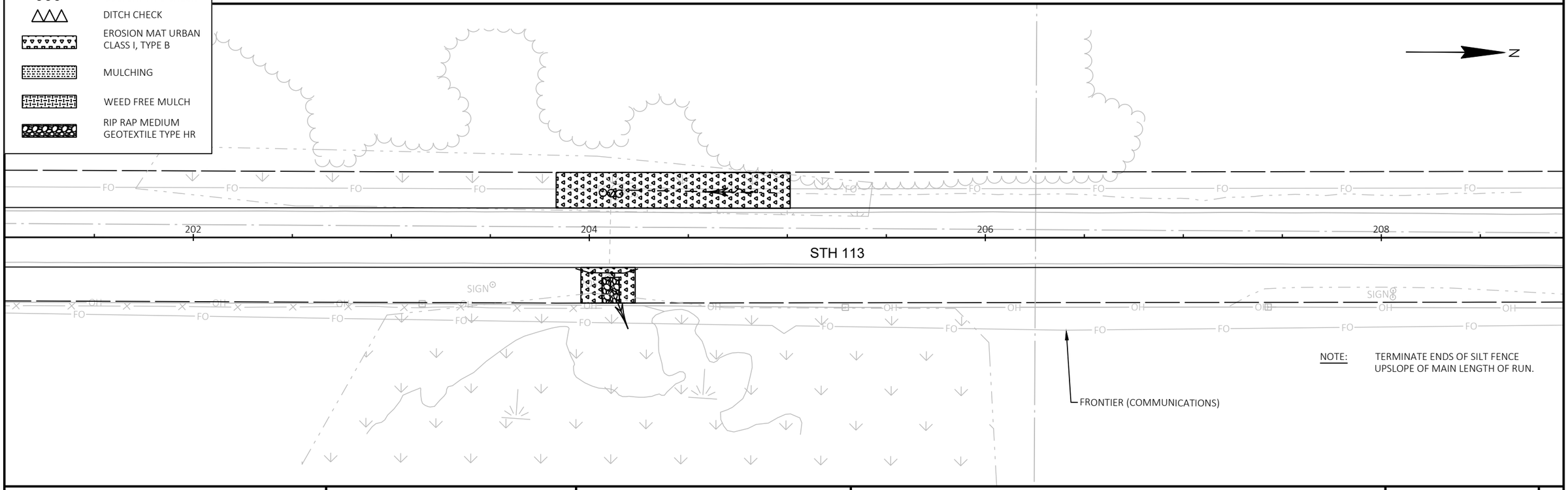
WISDOT/CADDS SHEET 44

2



LEGEND

- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- CULVERT PIPE CHECK
- DITCH CHECK
- EROSION MAT URBAN CLASS I, TYPE B
- MULCHING
- WEED FREE MULCH
- RIP RAP MEDIUM GEOTEXTILE TYPE HR



NOTE: TERMINATE ENDS OF SILT FENCE UPSLOPE OF MAIN LENGTH OF RUN.

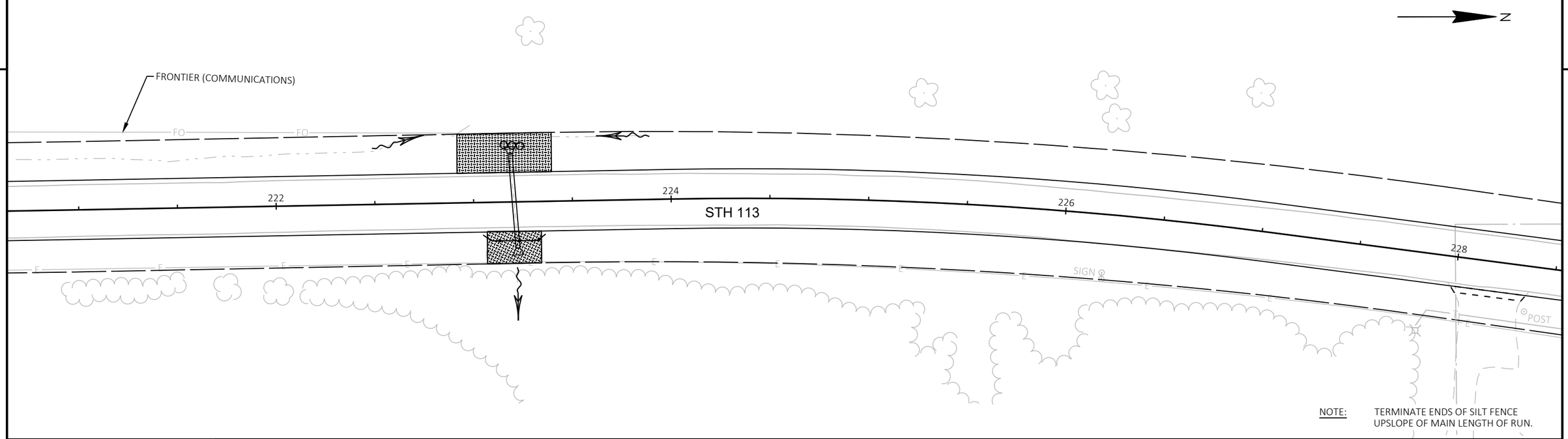
FRONTIER (COMMUNICATIONS)

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	EROSION CONTROL	SHEET 29	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\022001-EC.DWG
LAYOUT NAME - 022002-ec

PLOT DATE : 2/12/2026 6:47 PM PLOT BY : ELA LODZINSKI PLOT NAME : PLOT SCALE : 1 IN:50 FT

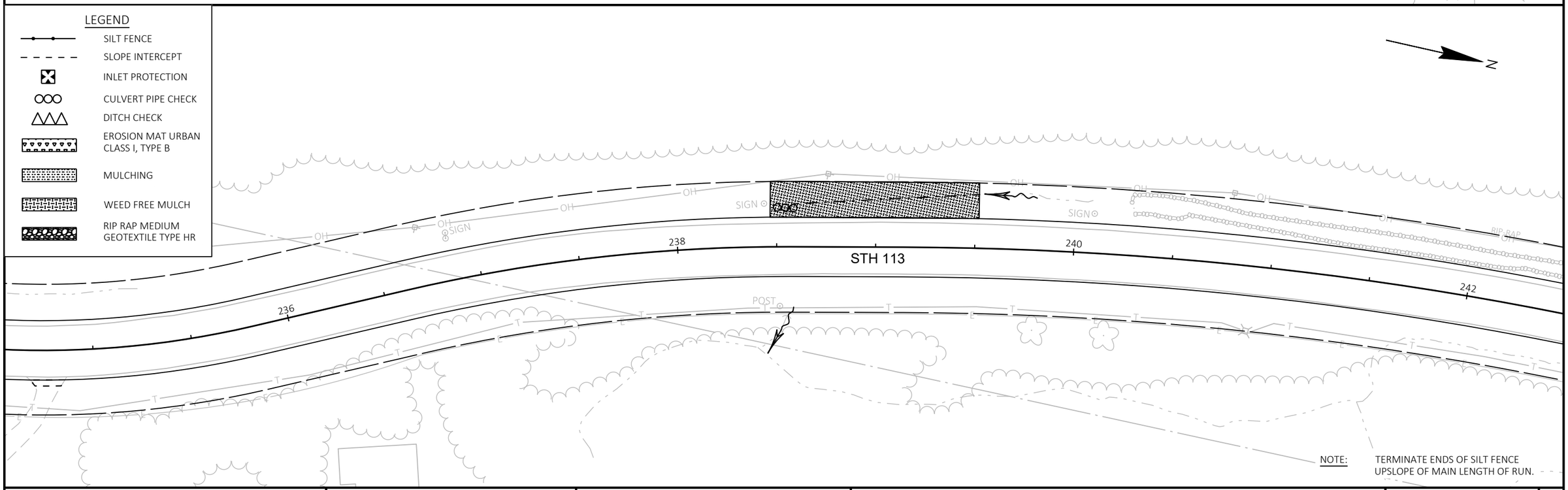
2



NOTE: TERMINATE ENDS OF SILT FENCE UPSLOPE OF MAIN LENGTH OF RUN.

LEGEND

- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- CULVERT PIPE CHECK
- DITCH CHECK
- EROSION MAT URBAN CLASS I, TYPE B
- MULCHING
- WEED FREE MULCH
- RIP RAP MEDIUM GEOTEXTILE TYPE HR



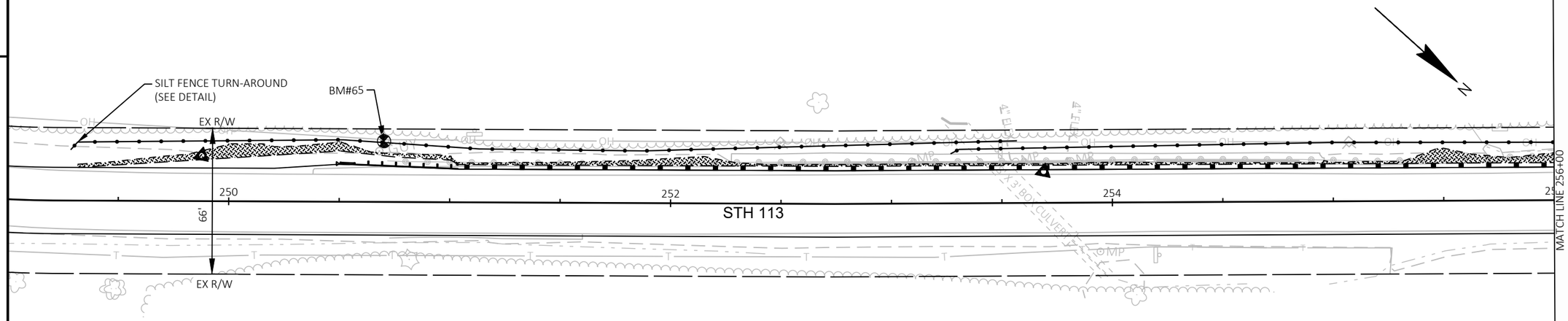
NOTE: TERMINATE ENDS OF SILT FENCE UPSLOPE OF MAIN LENGTH OF RUN.

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	EROSION CONTROL	SHEET 30	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\022001-EC.DWG
LAYOUT NAME - 022003-ec

PLOT DATE : 2/12/2026 6:47 PM PLOT BY : ELA LODZINSKI PLOT NAME : PLOT SCALE : 1 IN:50 FT

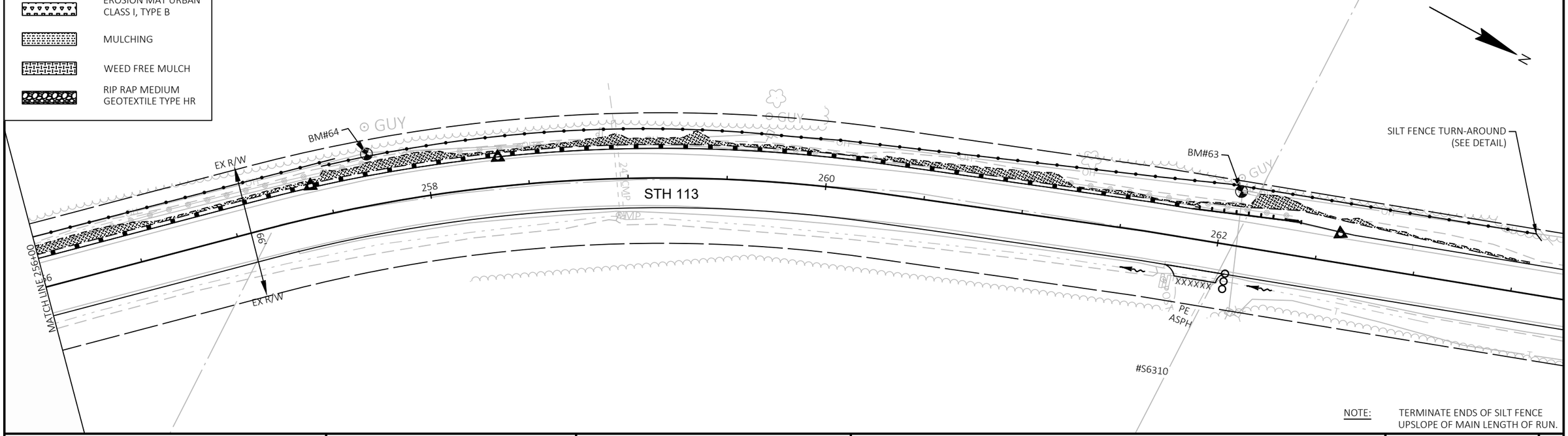
2



NOTE: TERMINATE ENDS OF SILT FENCE UPSLOPE OF MAIN LENGTH OF RUN.

LEGEND

- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- CULVERT PIPE CHECK
- DITCH CHECK
- EROSION MAT URBAN CLASS I, TYPE B
- MULCHING
- WEED FREE MULCH
- RIP RAP MEDIUM GEOTEXTILE TYPE HR



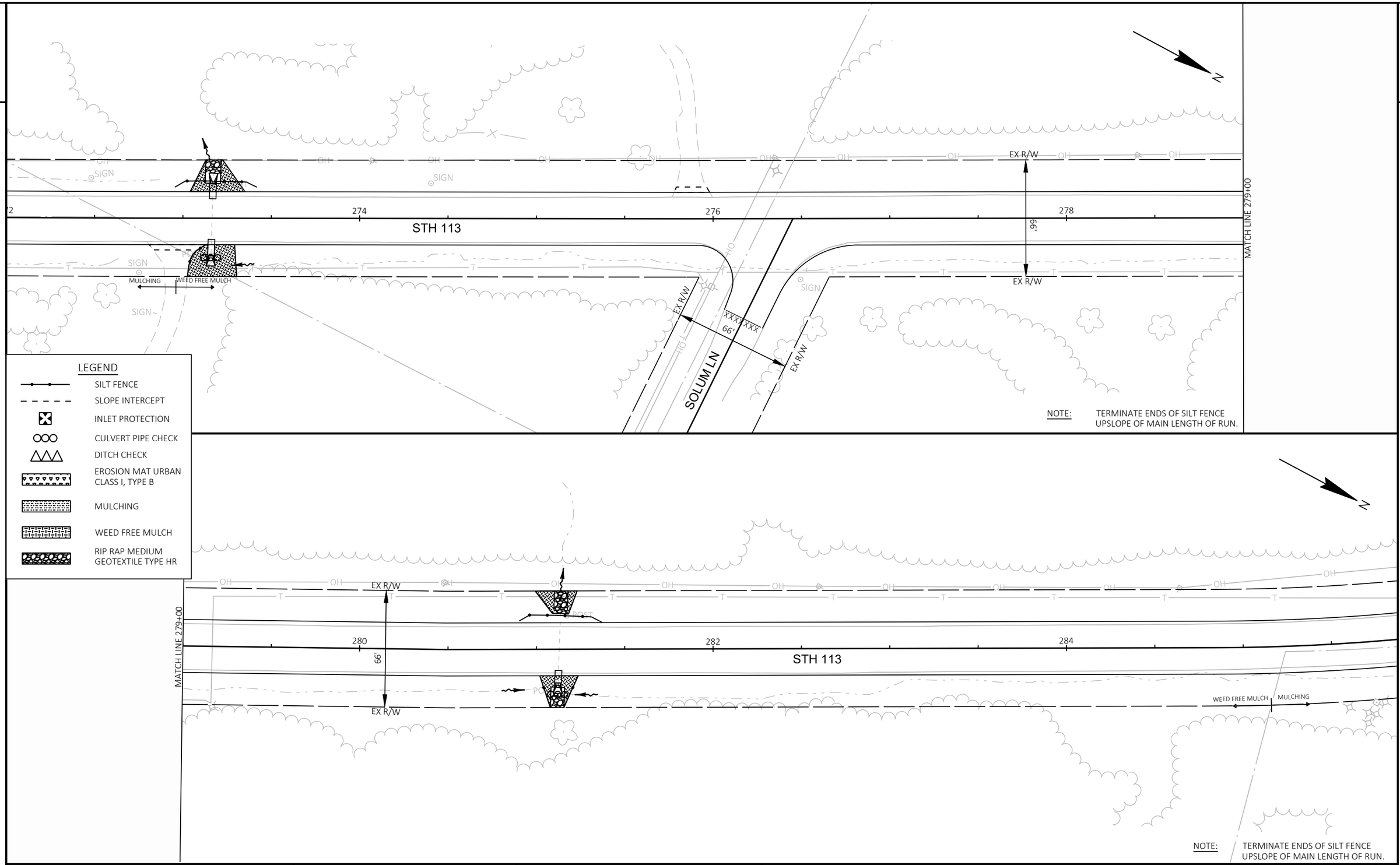
NOTE: TERMINATE ENDS OF SILT FENCE UPSLOPE OF MAIN LENGTH OF RUN.

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	EROSION CONTROL	SHEET 31	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\022001-EC.DWG
LAYOUT NAME - 022004-ec
PLOT DATE : 2/12/2026 6:47 PM
PLOT BY : ELA LODZINSKI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2

2



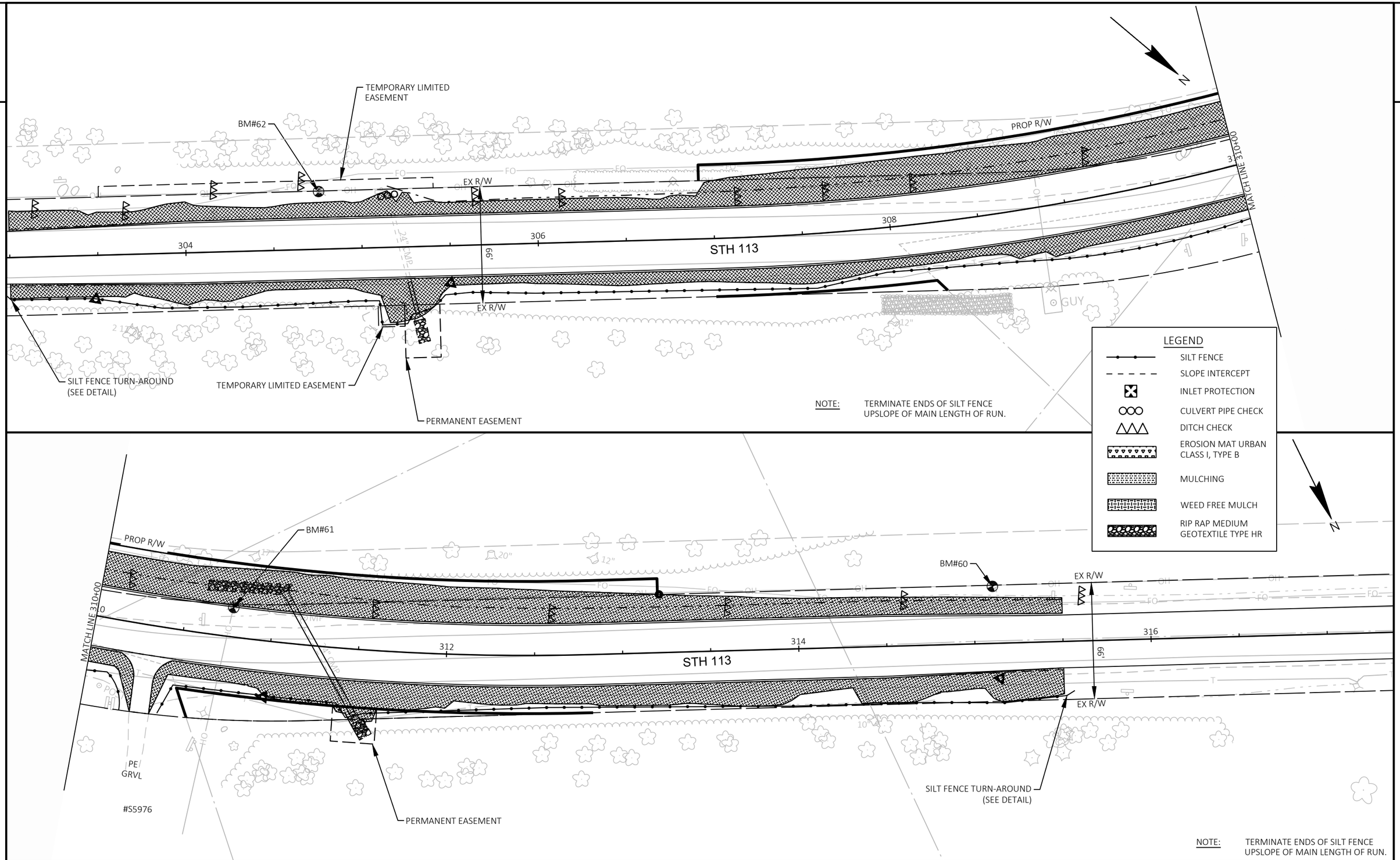
PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	EROSION CONTROL	SHEET 32	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\022001-EC.DWG
LAYOUT NAME - 022005-ec

PLOT DATE : 2/12/2026 6:47 PM PLOT BY : ELA LODZINSKI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

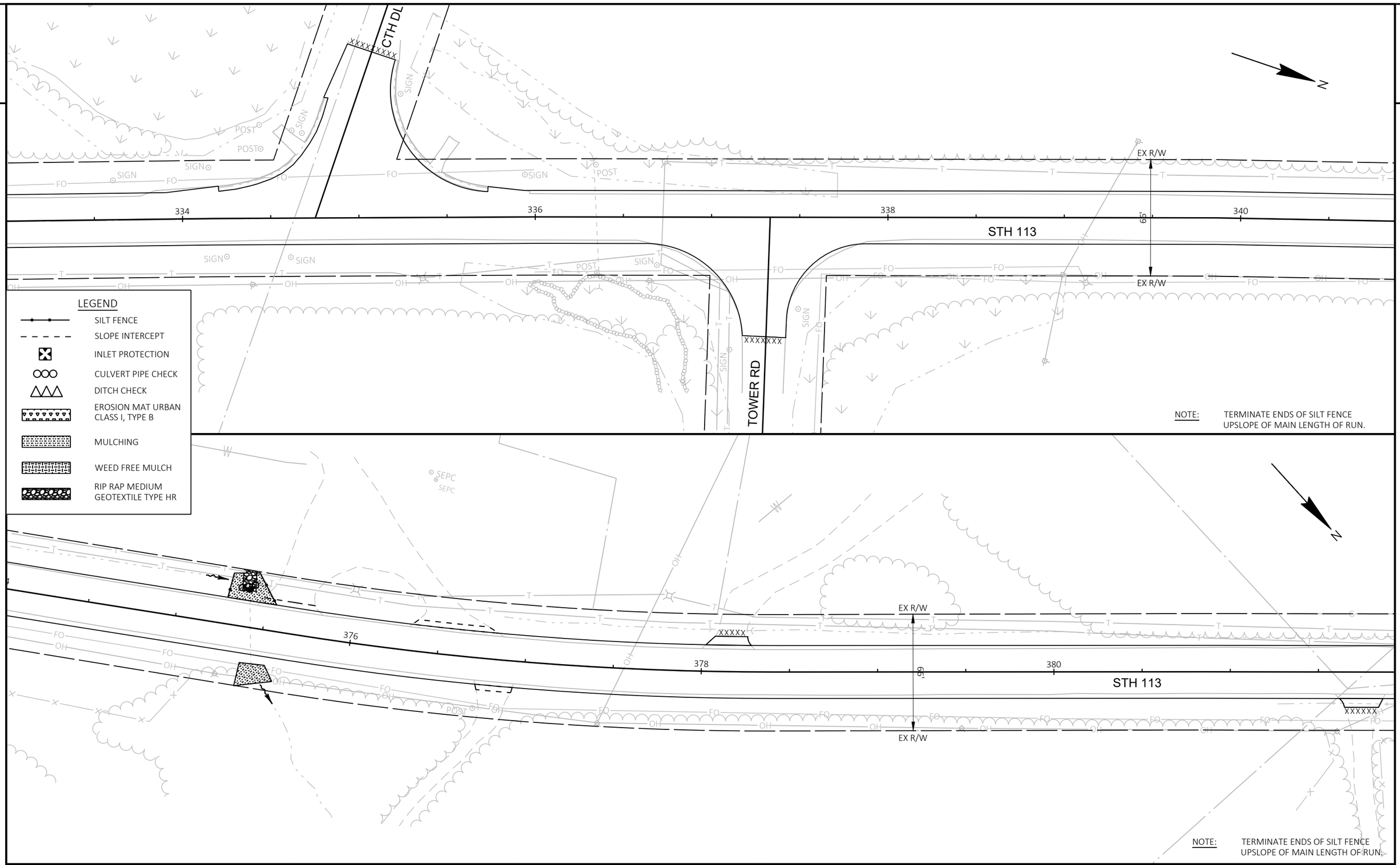


PROJECT NO: 5620-00-72, 5620-00-73	HWY: STH 113	COUNTY: SAUK	EROSION CONTROL	SHEET 33	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\022001-EC.DWG
LAYOUT NAME - 022006-ec
PLOT DATE : 2/12/2026 6:47 PM
PLOT BY : ELA LODZINSKI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2

2



LEGEND

- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- CULVERT PIPE CHECK
- DITCH CHECK
- EROSION MAT URBAN CLASS I, TYPE B
- MULCHING
- WEED FREE MULCH
- RIP RAP MEDIUM GEOTEXTILE TYPE HR

NOTE: TERMINATE ENDS OF SILT FENCE UPSLOPE OF MAIN LENGTH OF RUN.

NOTE: TERMINATE ENDS OF SILT FENCE UPSLOPE OF MAIN LENGTH OF RUN.

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	EROSION CONTROL	SHEET 34	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\022001-EC.DWG
LAYOUT NAME - 022007-ec
PLOT DATE : 2/12/2026 6:47 PM
PLOT BY : ELA LODZINSKI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2

2

STH 113

382

384

386

388

EX R/W

EX R/W

66'

XXXXXX

XXXXXXXX

XXXXXX

POST

OH

FO

SIGN

NOTE: TERMINATE ENDS OF SILT FENCE UPSLOPE OF MAIN LENGTH OF RUN.

LEGEND

- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- CULVERT PIPE CHECK
- DITCH CHECK
- EROSION MAT URBAN CLASS I, TYPE B
- MULCHING
- WEED FREE MULCH
- RIP RAP MEDIUM GEOTEXTILE TYPE HR

MATCH LINE

#S5427

PE GRVL

408

410

412

414

STH 113

BM#59

XXXXX

XXXXXXXXX

PE ASPH

#S5412

CE GRVL #S5390

RIPRAP

GUY

NOTE: TERMINATE ENDS OF SILT FENCE UPSLOPE OF MAIN LENGTH OF RUN.

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	EROSION CONTROL	SHEET 35	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\022001-EC.DWG
LAYOUT NAME - 022008-ec

PLOT DATE : 2/12/2026 6:48 PM PLOT BY : ELA LODZINSKI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

2

LEGEND

- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- CULVERT PIPE CHECK
- DITCH CHECK
- EROSION MAT URBAN CLASS I, TYPE B
- MULCHING
- WEED FREE MULCH
- RIP RAP MEDIUM GEOTEXTILE TYPE HR

#S5371

PE ASPH XXXXXX

414 416 418 420

STH 113

BM#57

SILT FENCE TURN-AROUND (SEE DETAIL)

BM#58

SILT FENCE TURN-AROUND (SEE DETAIL)

#S5338

NOTE: TERMINATE ENDS OF SILT FENCE UPSLOPE OF MAIN LENGTH OF RUN.

KESSLER RD

#S5297

18" GRATE OVER 18" CMP BASE AT 2.22' N&S

SILT FENCE TURN -AROUND (SEE DETAIL)

PE GRVL

BM#55

ALLIANT ENERGY (ELECTRIC), BRIGHTSPEED (COMMUNICATIONS), & SPECTRUM (COMMUNICATIONS)

SILT FENCE TURN-AROUND (SEE DETAIL)

XXXXXX

XXXXXXXXXX

430 432 434 436

STH 113

BM#56

PE GRVL

#S5284A

SILT FENCE TURN-AROUND (SEE DETAIL)

SILT FENCE TURN-AROUND (SEE DETAIL)

CTH W

XXXXXXXX

NOTE: TERMINATE ENDS OF SILT FENCE UPSLOPE OF MAIN LENGTH OF RUN.

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	EROSION CONTROL	SHEET 36	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\022001-EC.DWG
LAYOUT NAME - 022009-ec

PLOT DATE : 2/12/2026 6:48 PM PLOT BY : ELA LODZINSKI PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

SILT FENCE TURN-AROUND (SEE DETAIL)

EX R/W

450

110'

452

STRUCTURE B-56-099

454

456

STH 113

SILT FENCE TURN-AROUND (SEE DETAIL)

SILT FENCE TURN-AROUND #1660 #S5127 (SEE DETAIL)

CE GRVL

18" CMP

POST

TV

SIGN

BM#53

ASPH

EX R/W

SILT FENCE TURN-AROUND (SEE DETAIL)

BM#54

PE GRVL

#S5130

SILT FENCE TURN-AROUND (SEE DETAIL)

NOTE: TERMINATE ENDS OF SILT FENCE UPSLOPE OF MAIN LENGTH OF RUN.

GUY

OH

FO

SAN

VCP

SILT FENCE TURN-AROUND (SEE DETAIL)

BM#52

EX R/W

492

494

496

498

EFFINGER RD

STH 113

MATCH LINE 498+50

XXXXXX

GRVL

PE

ASPH

BM#51

#1031

NOTE: TERMINATE ENDS OF SILT FENCE UPSLOPE OF MAIN LENGTH OF RUN.

NOTE: TERMINATE ENDS OF SILT FENCE UPSLOPE OF MAIN LENGTH OF RUN.

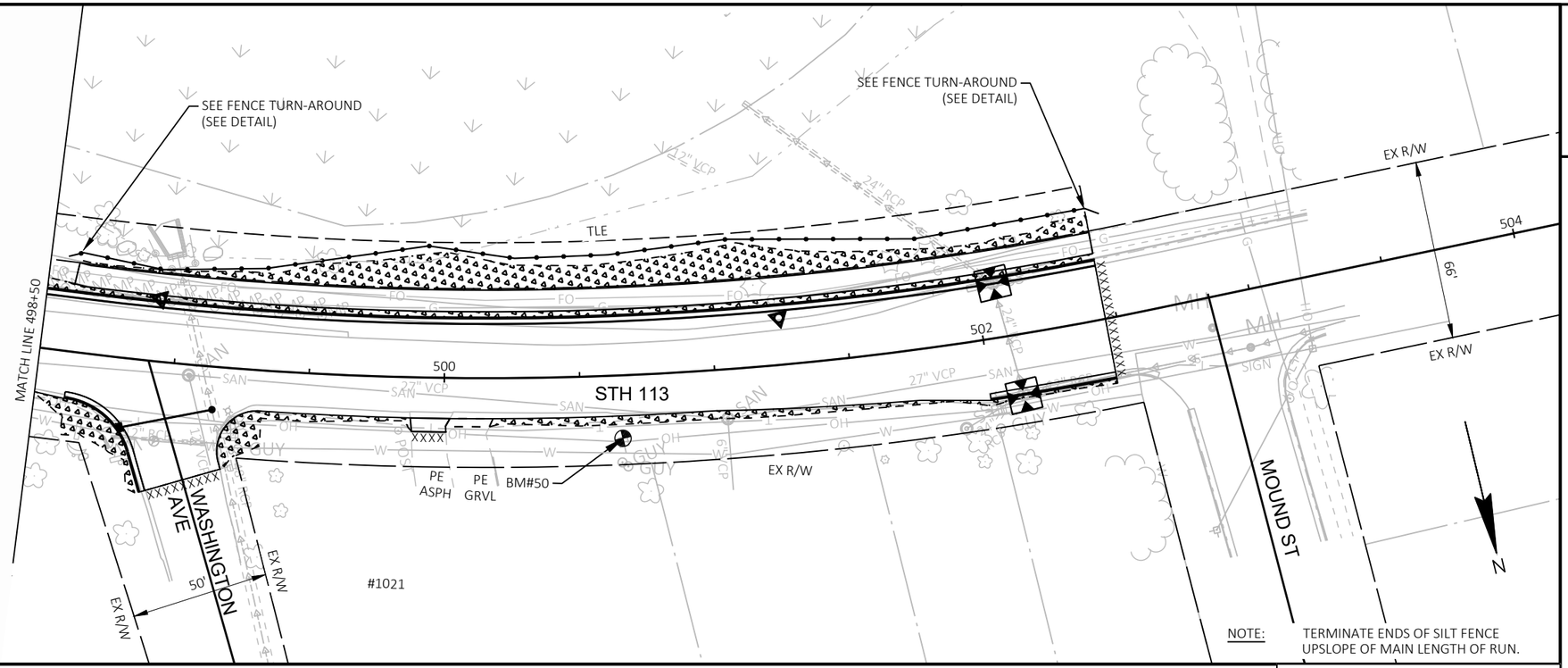
LEGEND

- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- CULVERT PIPE CHECK
- DITCH CHECK
- EROSION MAT URBAN CLASS I, TYPE B
- MULCHING
- WEED FREE MULCH
- RIP RAP MEDIUM GEOTEXTILE TYPE HR

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	EROSION CONTROL	SHEET 37	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\022001-EC.DWG
LAYOUT NAME - 022010-ec
PLOT DATE : 2/12/2026 6:48 PM PLOT BY : ELA LODZINSKI PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2



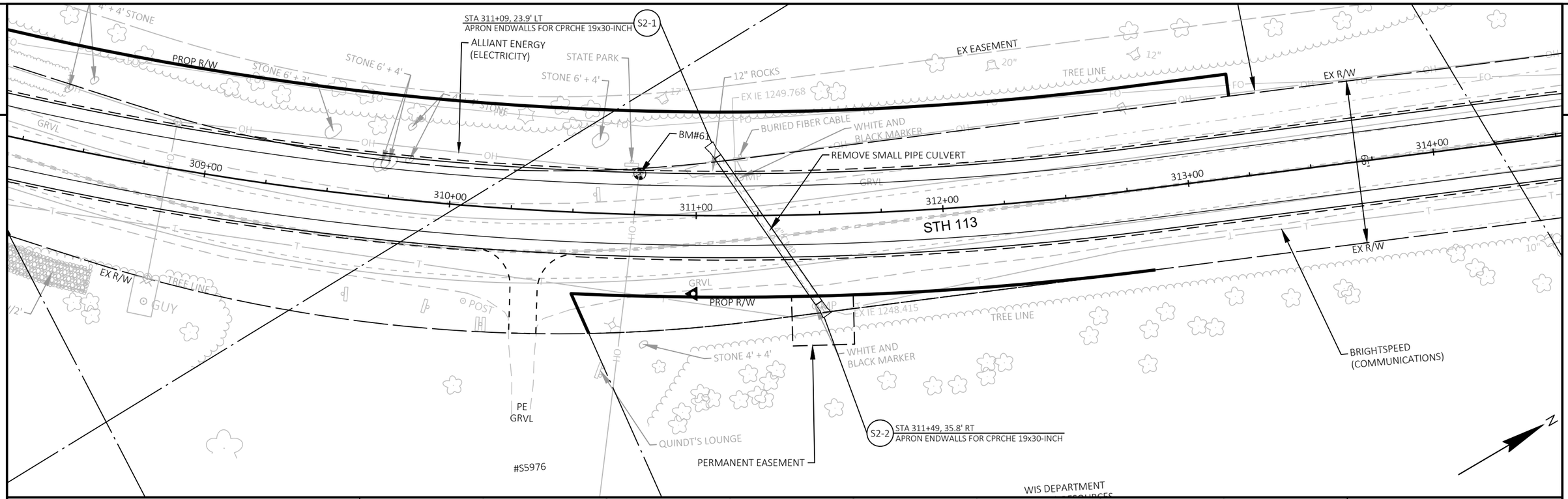
NOTE: TERMINATE ENDS OF SILT FENCE UPSLOPE OF MAIN LENGTH OF RUN.

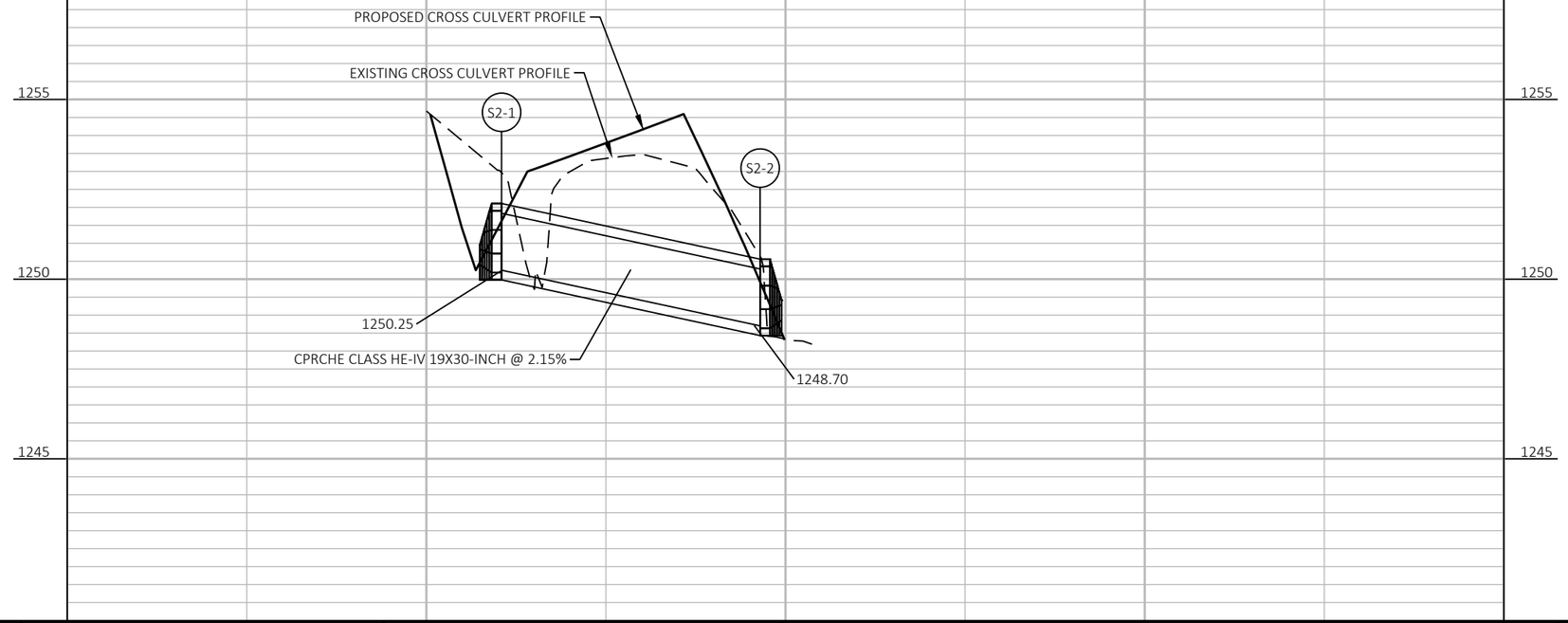
LEGEND

- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- CULVERT PIPE CHECK
- DITCH CHECK
- EROSION MAT URBAN CLASS I, TYPE B
- MULCHING
- WEED FREE MULCH
- RIP RAP MEDIUM GEOTEXTILE TYPE HR

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	EROSION CONTROL	SHEET 38	E

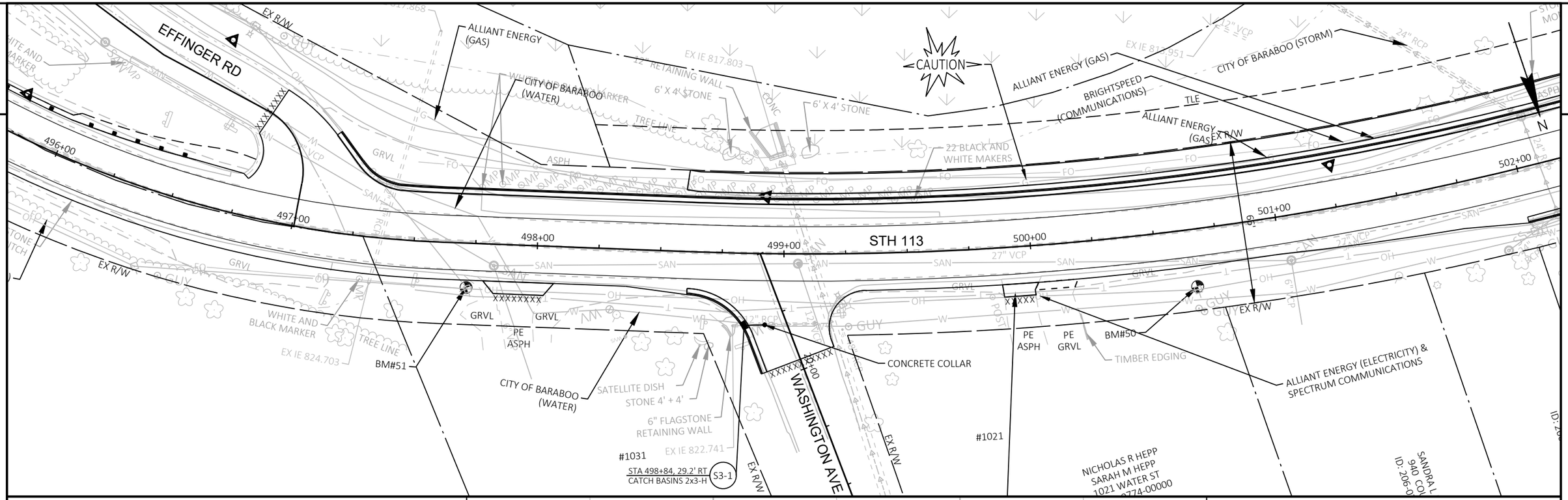
FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\022001-EC.DWG
LAYOUT NAME - 022011-ec
PLOT DATE : 2/12/2026 6:48 PM
PLOT BY : ELA LODZINSKI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

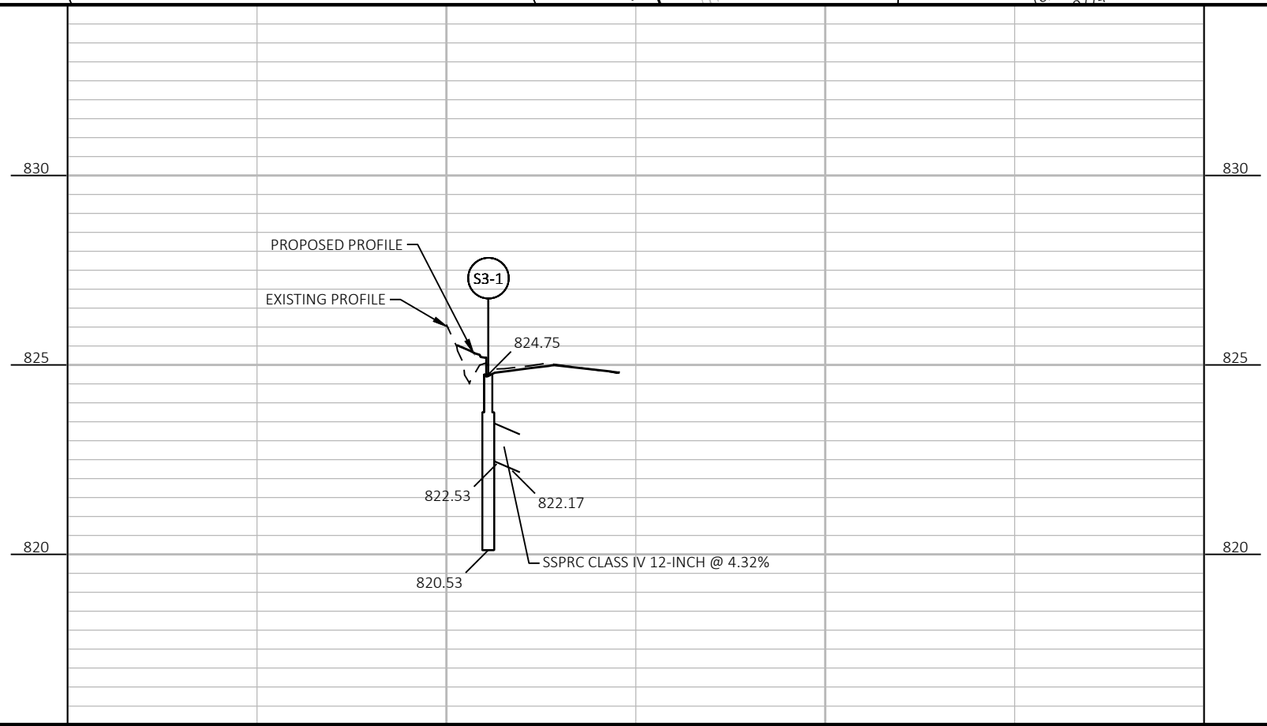




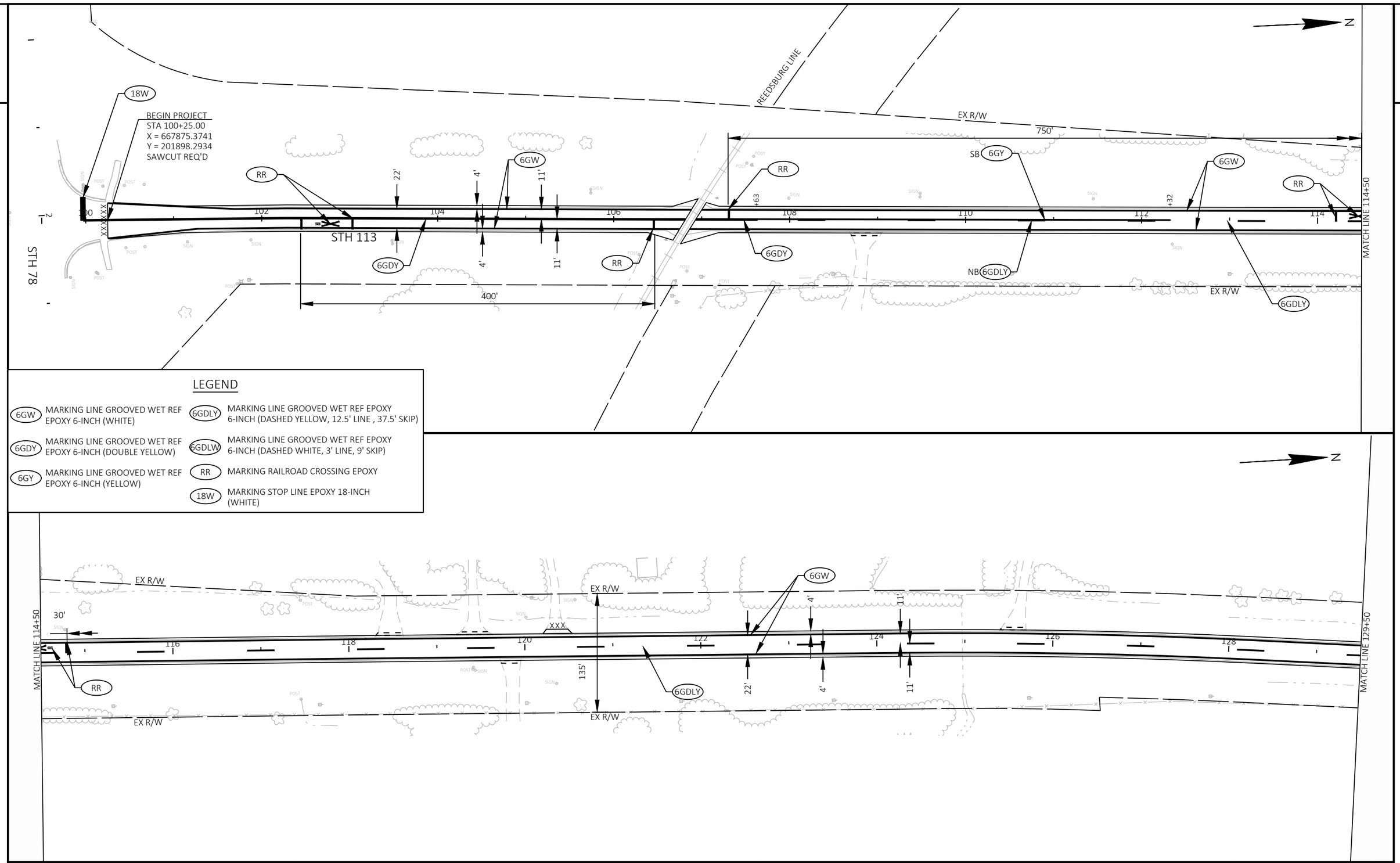
PROJECT NO: 5620-00-73	HWY: STH 113	COUNTY: SAUK	STORM SEWER PLAN AND PROFILE: HSIP CURVE	SHEET 39	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\022501-SS.DWG
LAYOUT NAME - 022501-ss
PLOT DATE : 10/15/2025 9:56 AM PLOT BY : NATHAN HARVEY PLOT NAME : PLOT SCALE : 1 IN:40 FT

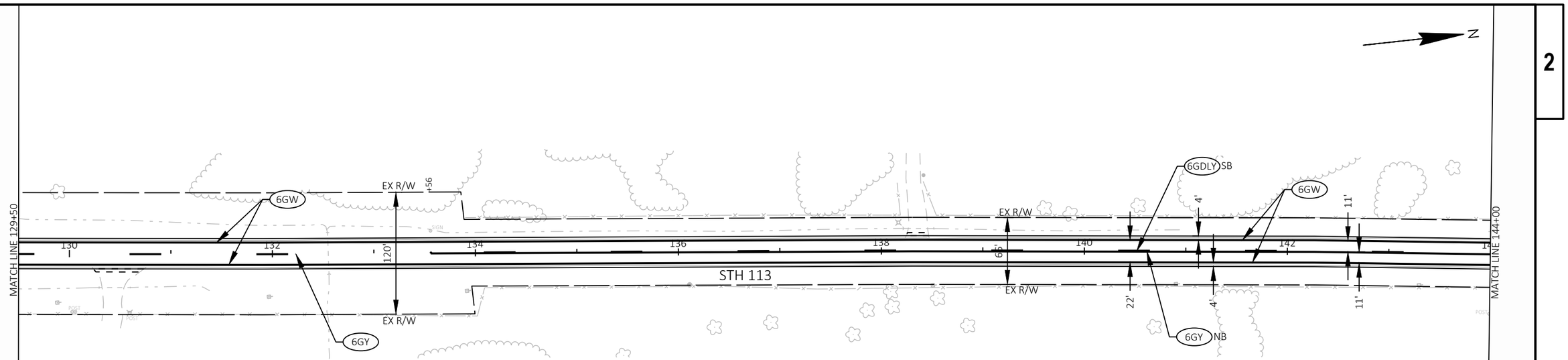




PROJECT NO: 5620-00-73	HWY: STH 113	COUNTY: SAUK	STORM SEWER PLAN AND PROFILE: WASHINGTON AVENUE	SHEET 40	E

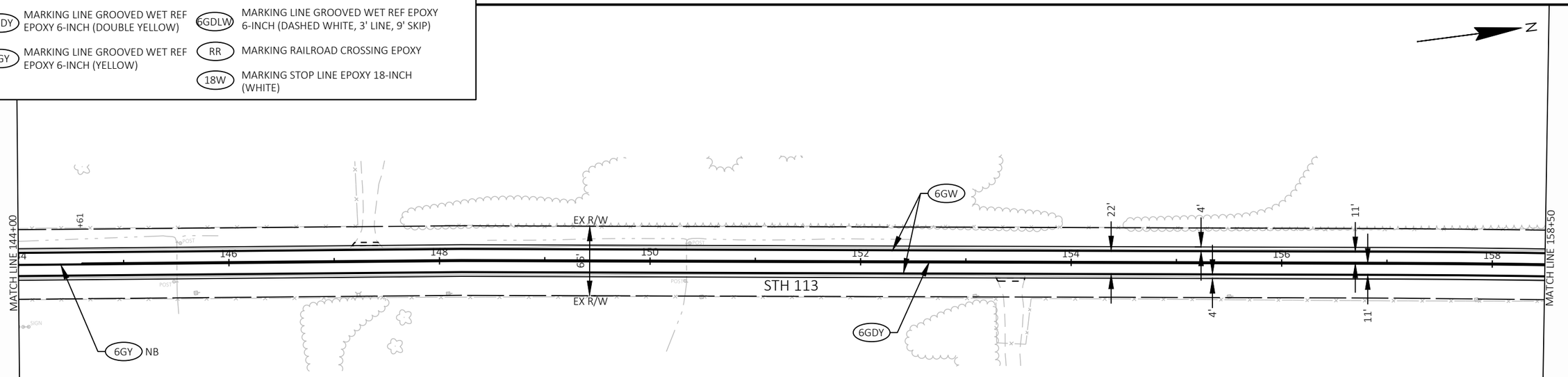


PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	PAVEMENT MARKING AND SIGNAGE: STA 99+50 TO STA 129+50	SHEET 41	E



LEGEND

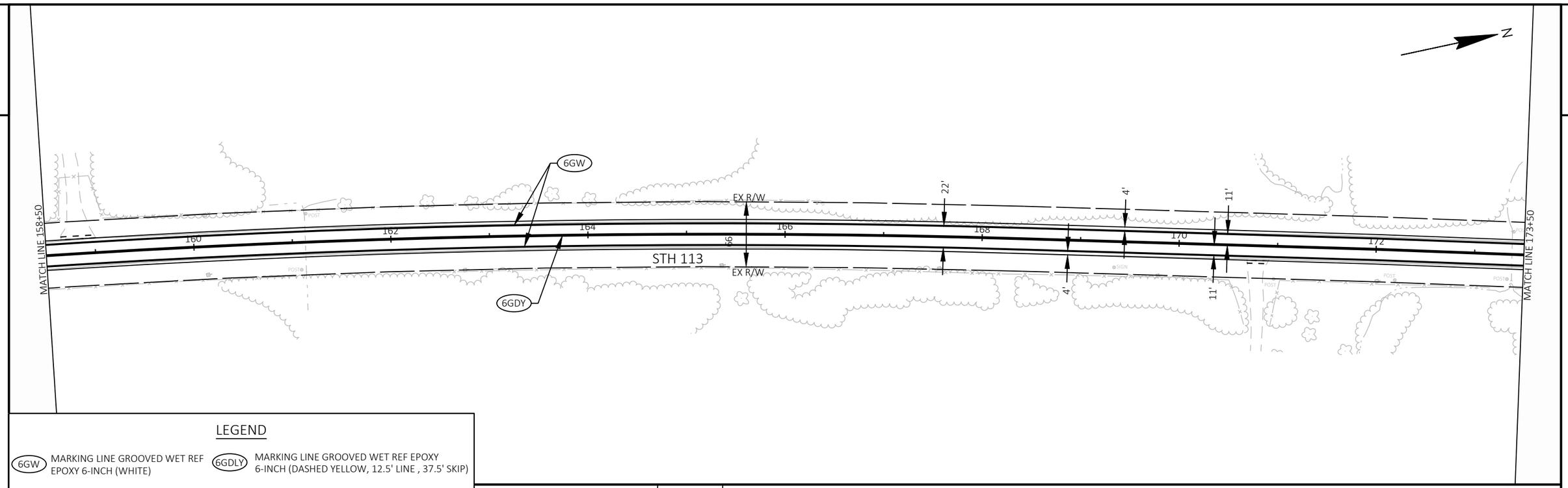
- 6GW — MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
- 6GDLY — MARKING LINE GROOVED WET REF EPOXY 6-INCH (DASHED YELLOW, 12.5' LINE , 37.5' SKIP)
- 6GDY — MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)
- 6GDLW — MARKING LINE GROOVED WET REF EPOXY 6-INCH (DASHED WHITE, 3' LINE, 9' SKIP)
- 6GY — MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
- RR — MARKING RAILROAD CROSSING EPOXY
- 18W — MARKING STOP LINE EPOXY 18-INCH (WHITE)



PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	PAVEMENT MARKING AND SIGNAGE: STA 129+50 TO STA 158+50	SHEET 42	E

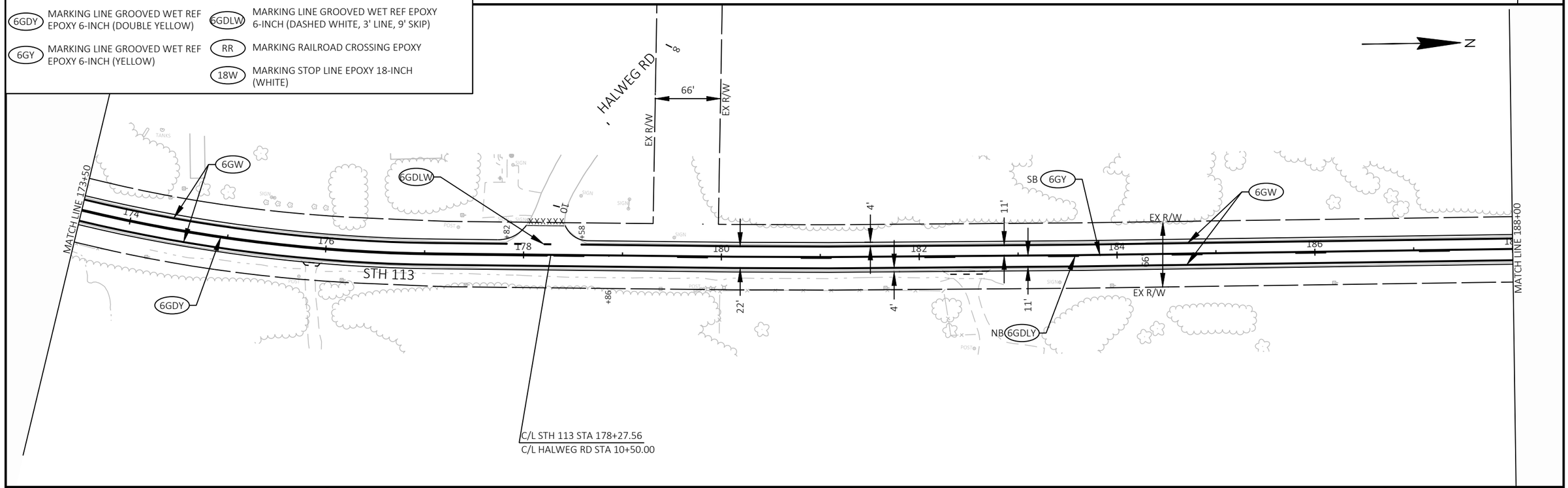
FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\024501-PM.DWG
LAYOUT NAME - 024502-pm2
PLOT DATE : 10/15/2025 9:56 AM
PLOT BY : NATHAN HARVEY
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2



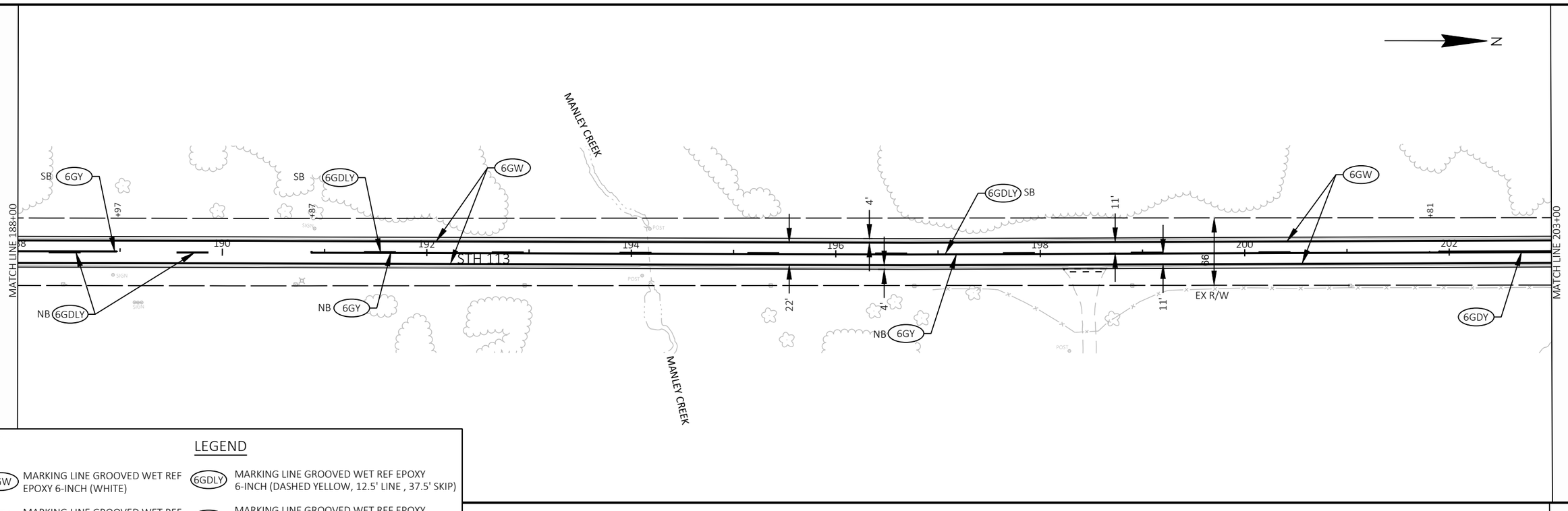
LEGEND

- 6GW — MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
- 6GDY — MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)
- 6GY — MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
- 6GDLY — MARKING LINE GROOVED WET REF EPOXY 6-INCH (DASHED YELLOW, 12.5' LINE , 37.5' SKIP)
- 6GDLW — MARKING LINE GROOVED WET REF EPOXY 6-INCH (DASHED WHITE, 3' LINE, 9' SKIP)
- RR — MARKING RAILROAD CROSSING EPOXY
- 18W — MARKING STOP LINE EPOXY 18-INCH (WHITE)



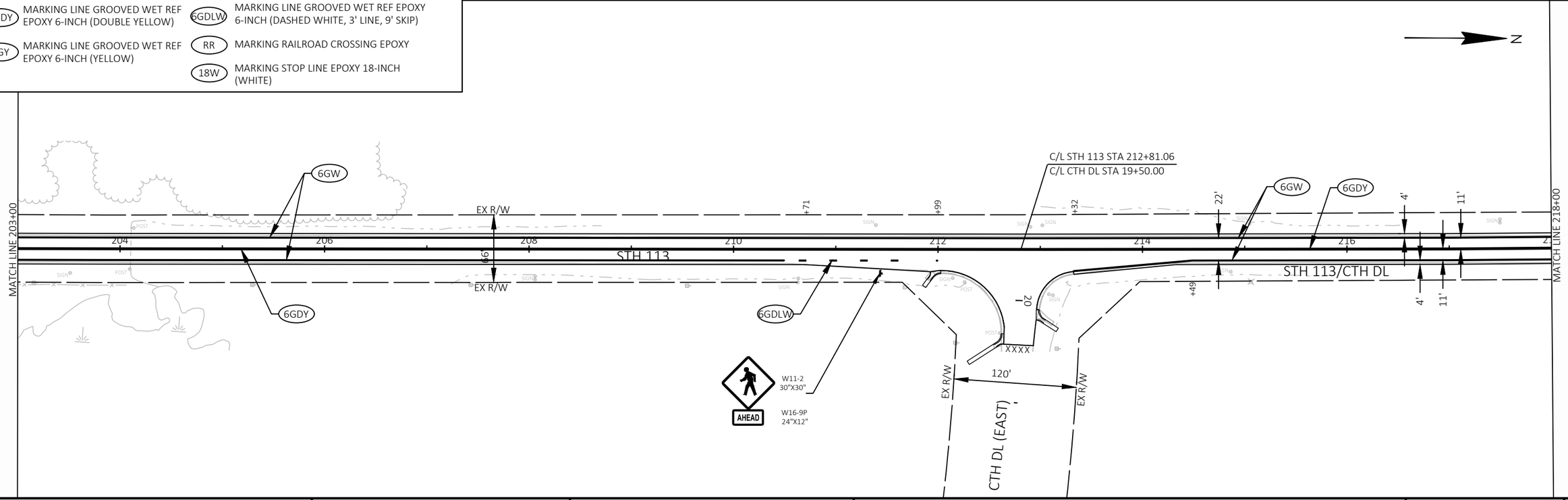
PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	PAVEMENT MARKING AND SIGNAGE: STA 158+50 TO STA 188+00	SHEET 43	E

2



LEGEND

- 6GW — MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
- 6GDLY — MARKING LINE GROOVED WET REF EPOXY 6-INCH (DASHED YELLOW, 12.5' LINE , 37.5' SKIP)
- 6GDY — MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)
- 6GDLW — MARKING LINE GROOVED WET REF EPOXY 6-INCH (DASHED WHITE, 3' LINE, 9' SKIP)
- 6GY — MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
- RR — MARKING RAILROAD CROSSING EPOXY
- 18W — MARKING STOP LINE EPOXY 18-INCH (WHITE)

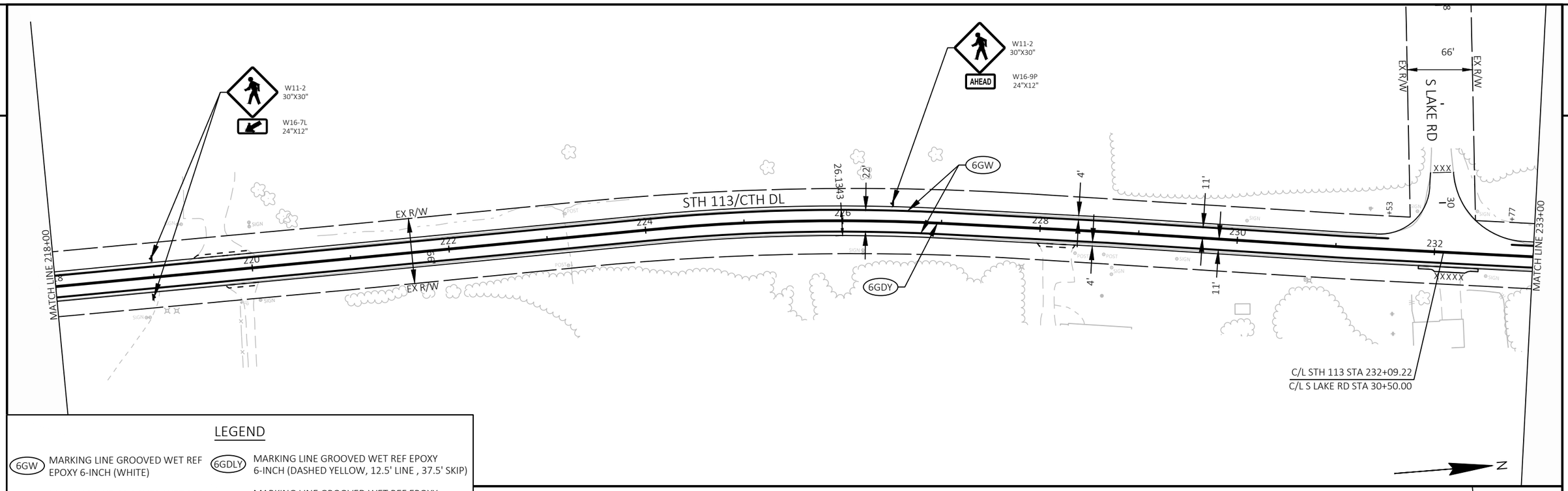


PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	PAVEMENT MARKING AND SIGNAGE: STA 188+00 TO STA 218+00	SHEET 44	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\024501-PM.DWG
LAYOUT NAME - 024504-pm4

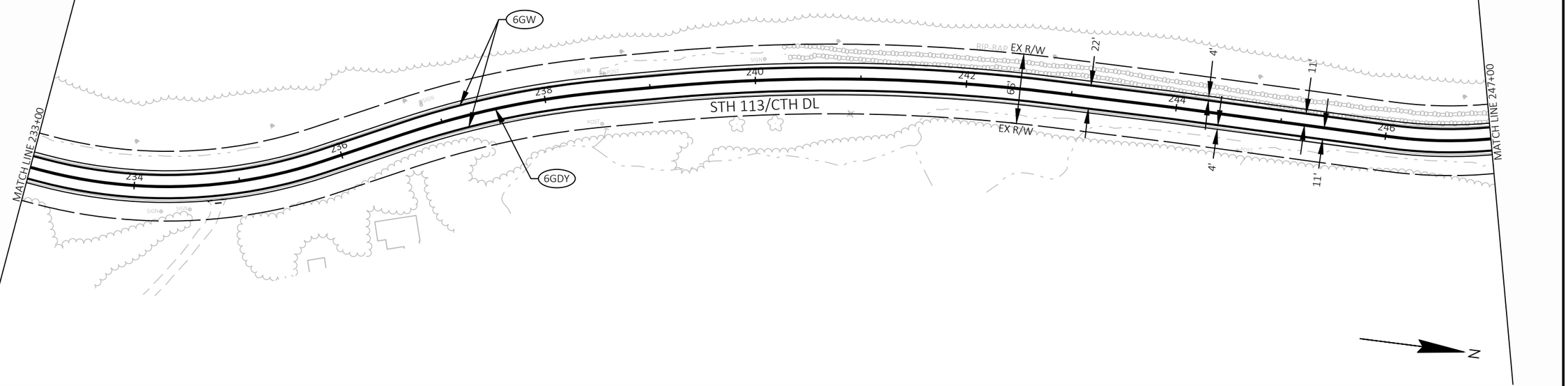
PLOT DATE : 10/15/2025 9:57 AM PLOT BY : NATHAN HARVEY PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

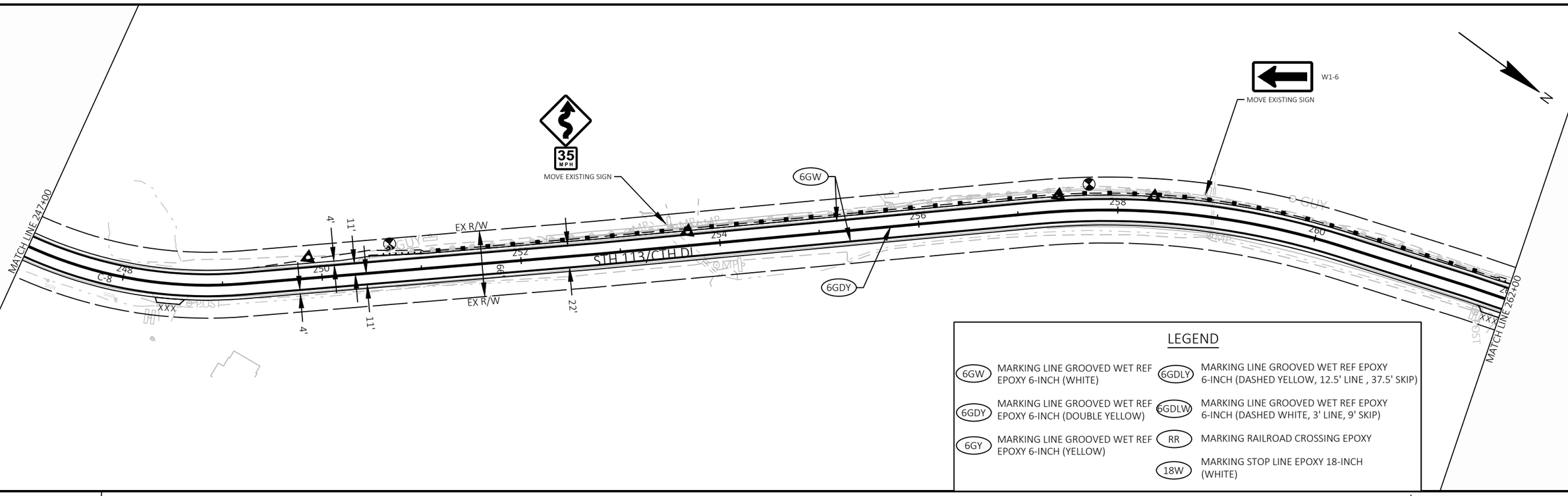


LEGEND

- 6GW — MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
- 6GDY — MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)
- 6GY — MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
- 6GDLY — MARKING LINE GROOVED WET REF EPOXY 6-INCH (DASHED YELLOW, 12.5' LINE , 37.5' SKIP)
- 6GDLW — MARKING LINE GROOVED WET REF EPOXY 6-INCH (DASHED WHITE, 3' LINE, 9' SKIP)
- RR — MARKING RAILROAD CROSSING EPOXY
- 18W — MARKING STOP LINE EPOXY 18-INCH (WHITE)

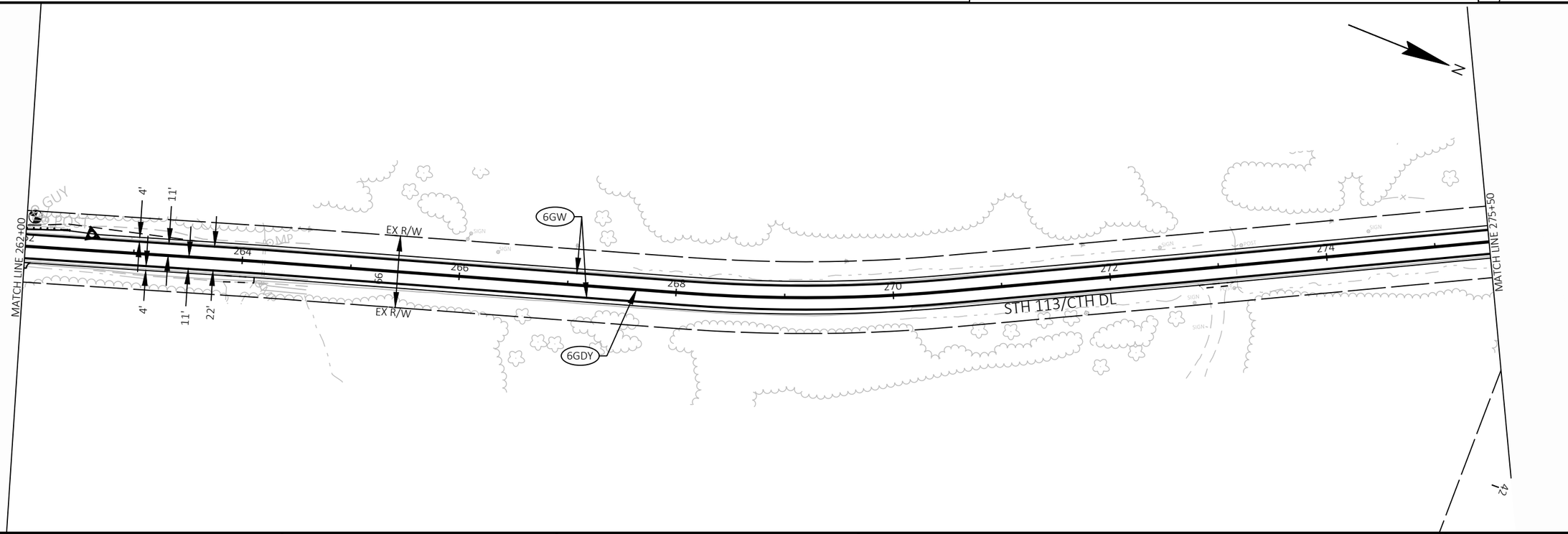


PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	PAVEMENT MARKING AND SIGNAGE: STA 218+00 TO 247+00	SHEET 45	E



LEGEND

6GW	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	6GDLY	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DASHED YELLOW, 12.5' LINE , 37.5' SKIP)
6GDY	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	6GDLW	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DASHED WHITE, 3' LINE, 9' SKIP)
6GY	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	RR	MARKING RAILROAD CROSSING EPOXY
		18W	MARKING STOP LINE EPOXY 18-INCH (WHITE)

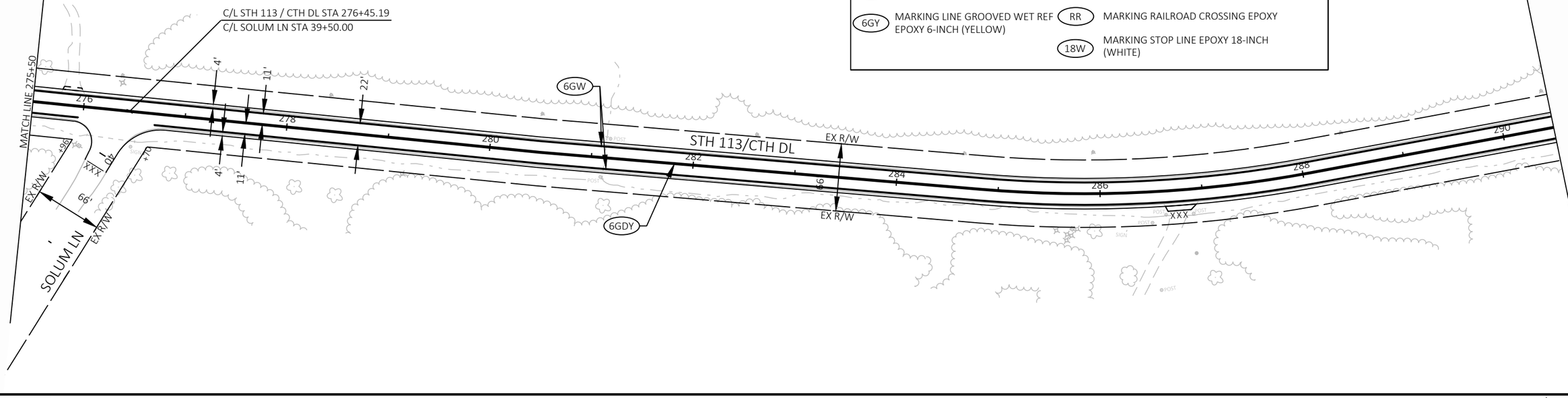


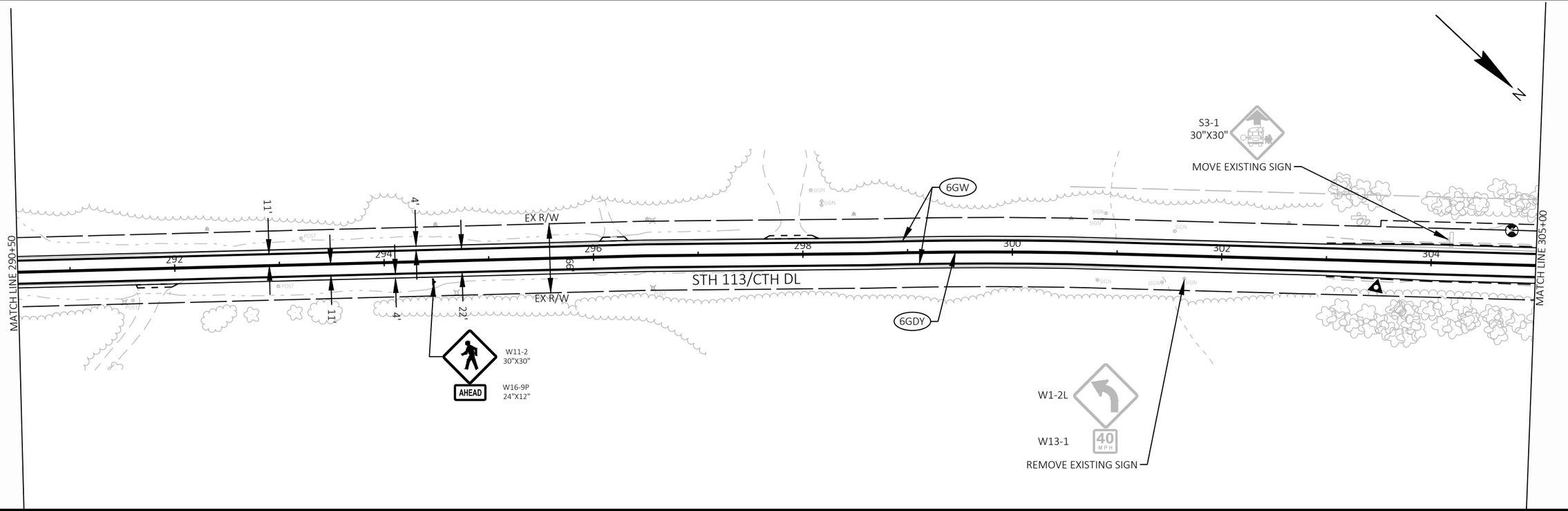
PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	PAVEMENT MARKING AND SIGNAGE: STA 247+00 TO STA 275+50	SHEET 46 E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\024506-PM.DWG
LAYOUT NAME - 024506-pm
PLOT DATE : 10/15/2025 9:57 AM
PLOT BY : NATHAN HARVEY
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

LEGEND

6GW	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	6GDLY	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DASHED YELLOW, 12.5' LINE , 37.5' SKIP)
6GDY	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	6GDLW	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DASHED WHITE, 3' LINE, 9' SKIP)
6GY	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	RR	MARKING RAILROAD CROSSING EPOXY
		18W	MARKING STOP LINE EPOXY 18-INCH (WHITE)

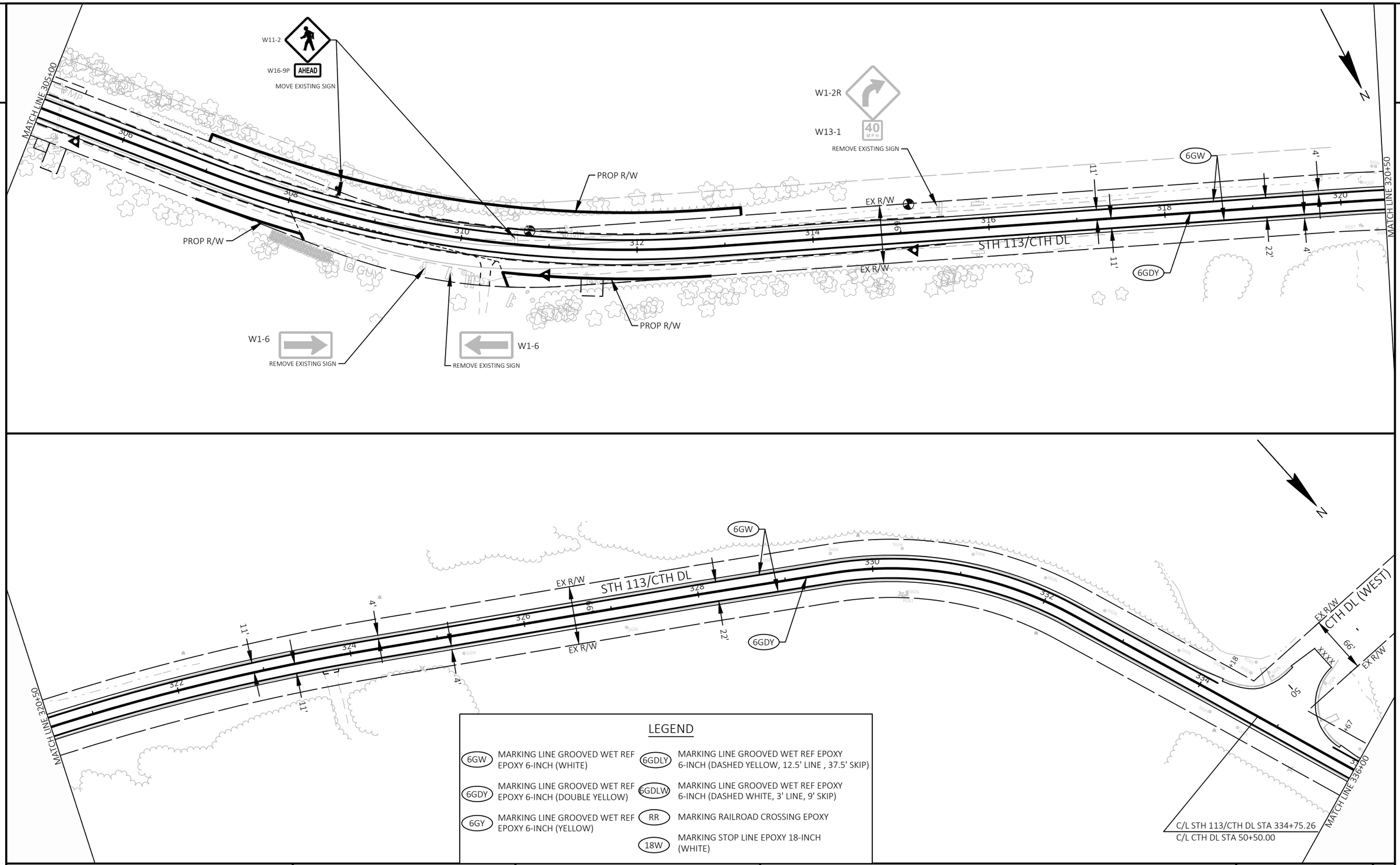




PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	PAVEMENT MARKING AND SIGNAGE: STA 275+50 TO STA 305+00	SHEET 47	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\024506-PM.DWG
LAYOUT NAME - 024507-pm

PLOT DATE : 10/15/2025 9:57 AM PLOT BY : NATHAN HARVEY PLOT NAME : PLOT SCALE : 1 IN:100 FT

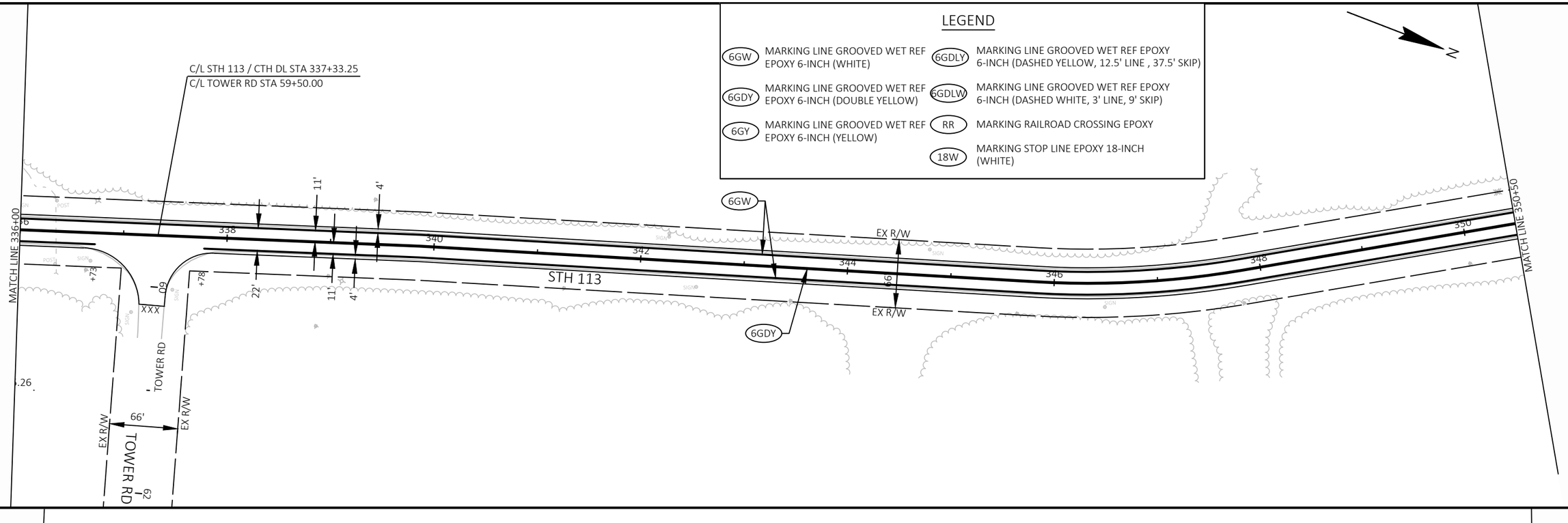


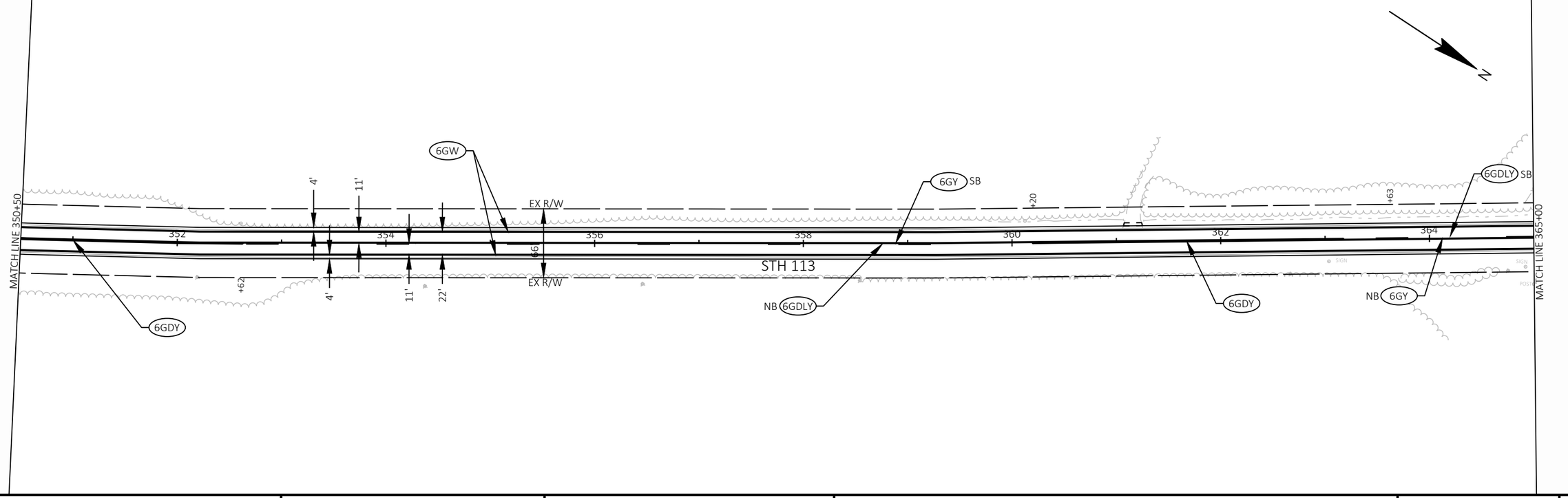
PROJECT NO: 5620-00-72, 5620-00-73	HWY: STH 113	COUNTY: SAUK	PAVEMENT MARKING AND SIGNAGE: STA 305+600 TO STA 336+00	SHEET 48	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\024506-PM.DWG
LAYOUT NAME - 024508-pm
PLOT DATE : 10/15/2025 9:57 AM PLOT BY : NATHAN HARVEY PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

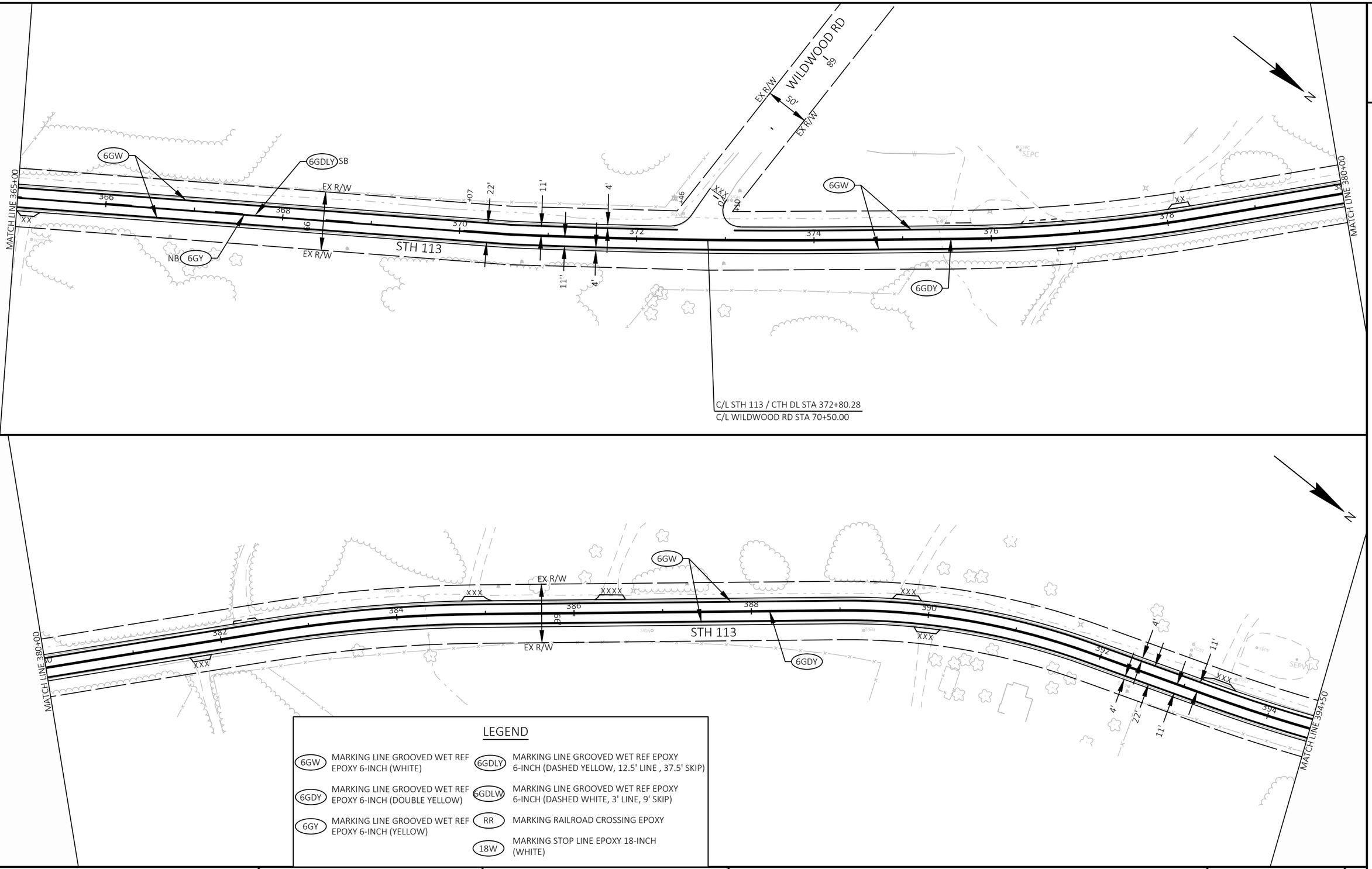
LEGEND

6GW	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	6GDLY	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DASHED YELLOW, 12.5' LINE , 37.5' SKIP)
6GDY	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	6GDLW	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DASHED WHITE, 3' LINE, 9' SKIP)
6GY	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	RR	MARKING RAILROAD CROSSING EPOXY
		18W	MARKING STOP LINE EPOXY 18-INCH (WHITE)





PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	PAVEMENT MARKING AND SIGNAGE: STA 336+00 TO STA 365+00	SHEET 49	E



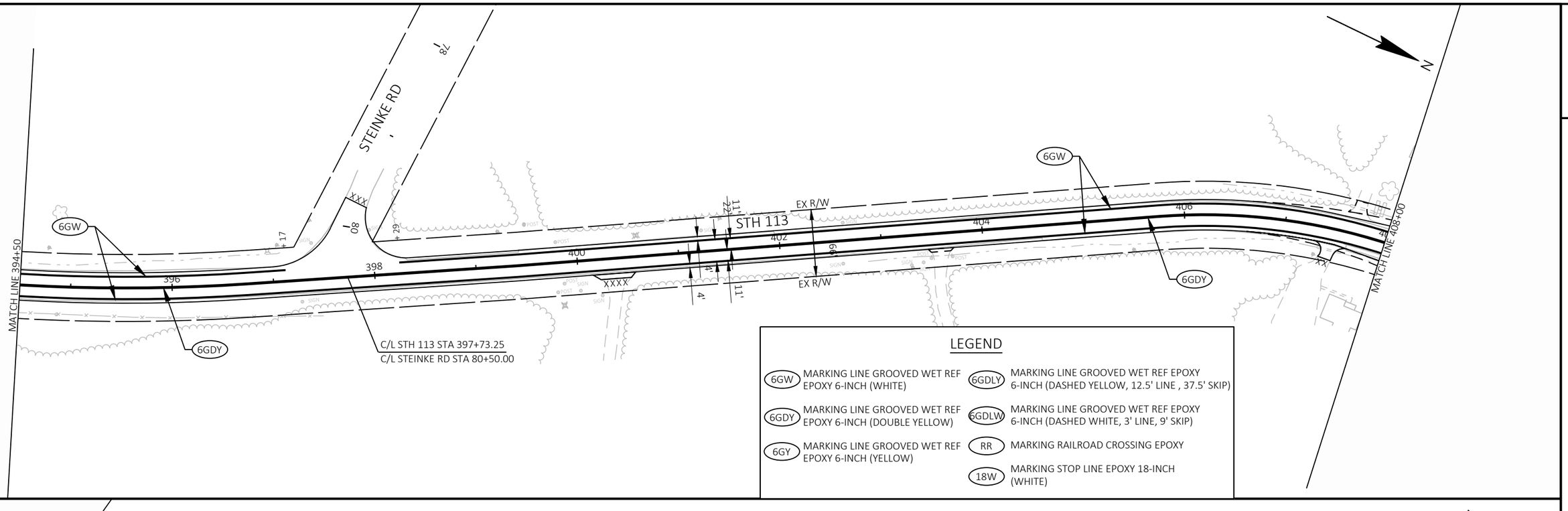
LEGEND

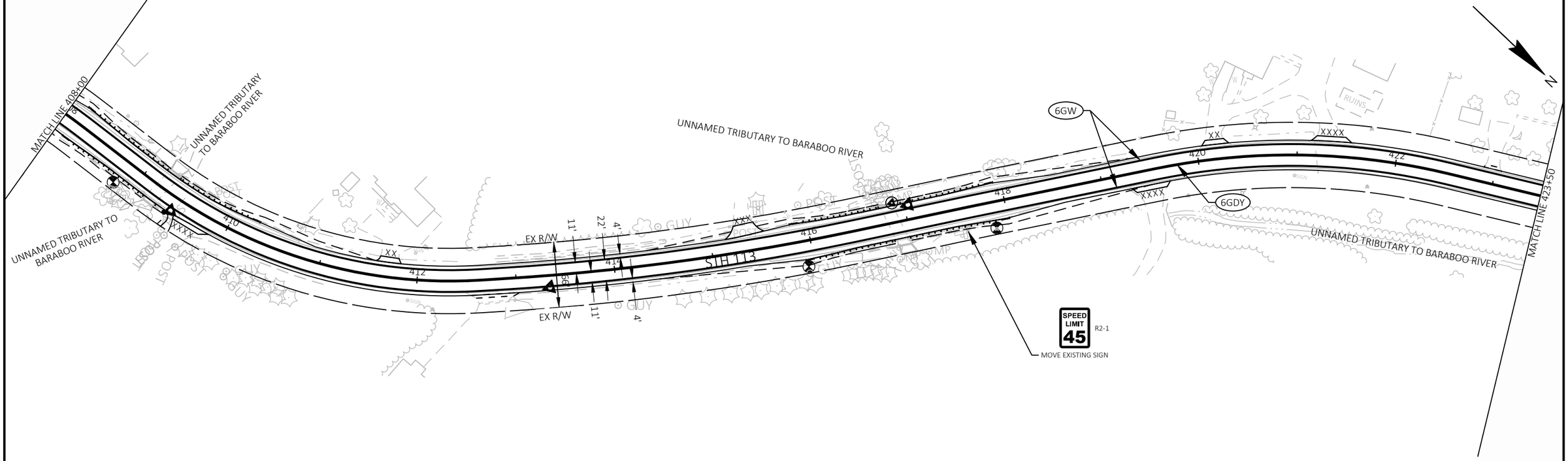
6GW	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	6GDLY	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DASHED YELLOW, 12.5' LINE , 37.5' SKIP)
6GDY	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	6GDLW	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DASHED WHITE, 3' LINE, 9' SKIP)
6GY	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	RR	MARKING RAILROAD CROSSING EPOXY
		18W	MARKING STOP LINE EPOXY 18-INCH (WHITE)

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	PAVEMENT MARKING AND SIGNAGE: STA 365+00 TO STA 394+50	SHEET 50 E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\024506-PM.DWG
LAYOUT NAME - 024510-pm

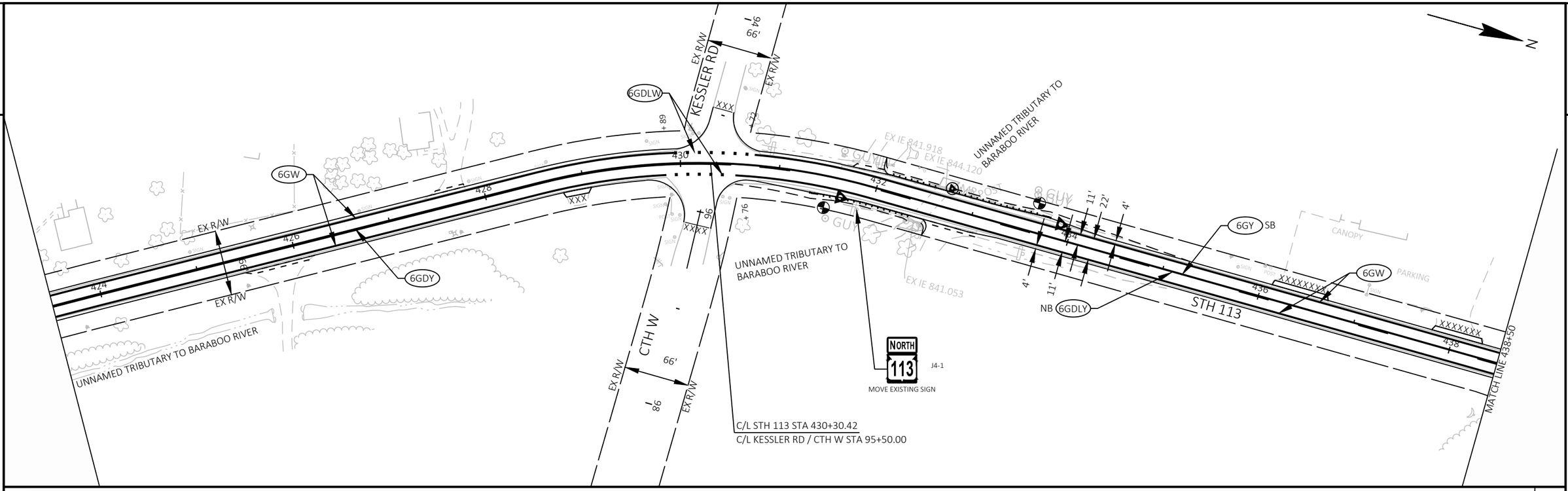
PLOT DATE : 10/15/2025 9:57 AM PLOT BY : NATHAN HARVEY PLOT NAME : PLOT SCALE : 1 IN:100 FT

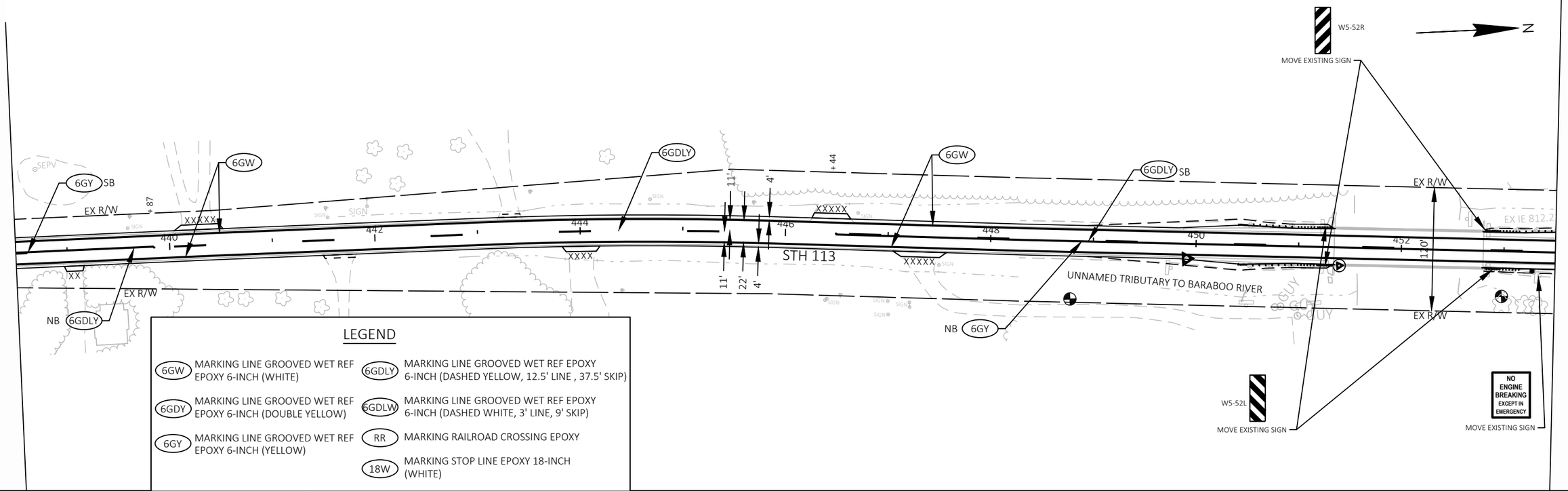




PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	PAVEMENT MARKING AND SIGNAGE: STA 394+50 TO STA 423+50	SHEET 51	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\024511-PM.DWG
LAYOUT NAME - 024511-pm11
PLOT DATE : 10/15/2025 9:58 AM PLOT BY : NATHAN HARVEY PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

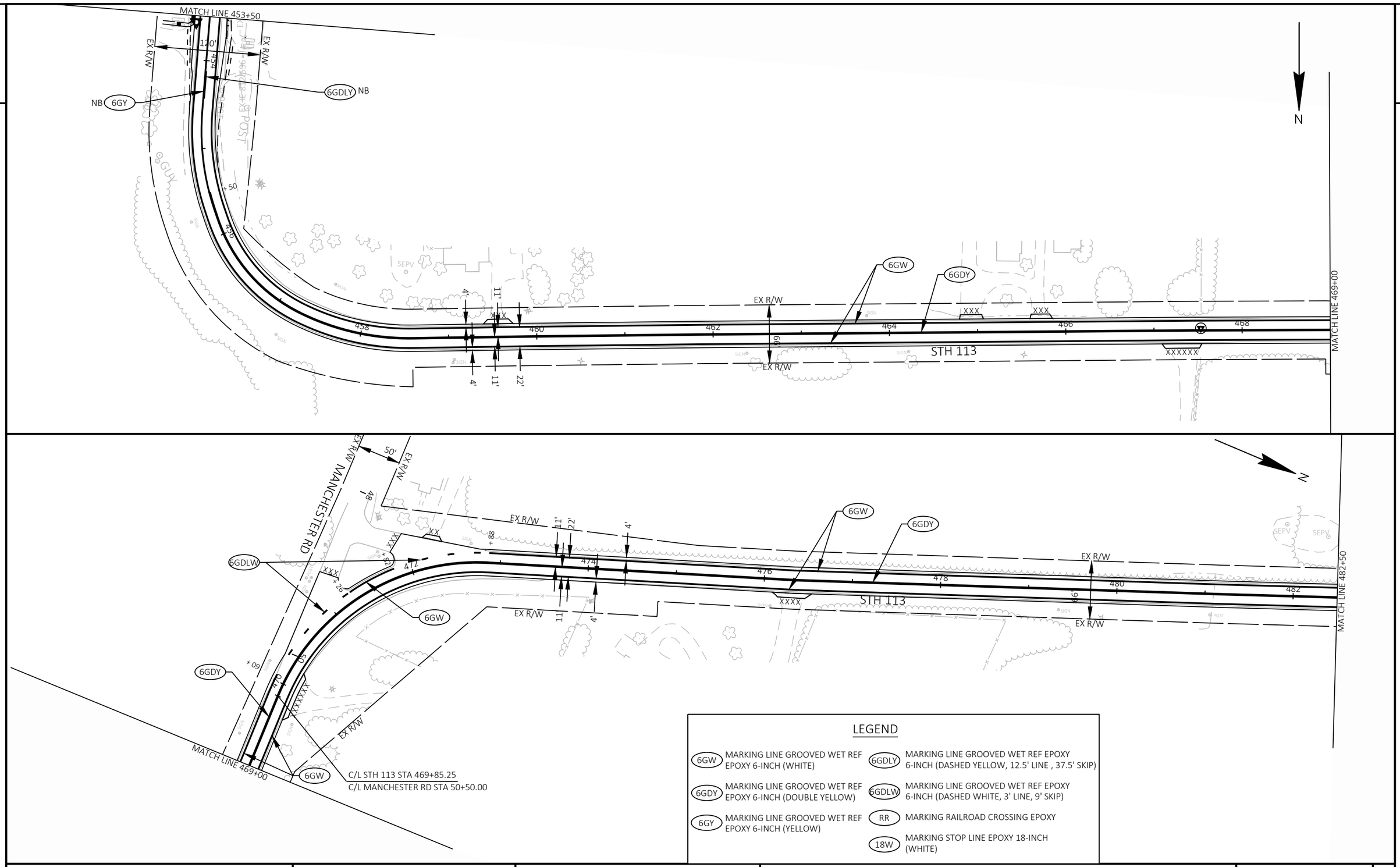




LEGEND

6GW	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	6GDLY	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DASHED YELLOW, 12.5' LINE , 37.5' SKIP)
6GDY	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	6GDLW	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DASHED WHITE, 3' LINE, 9' SKIP)
6GY	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	RR	MARKING RAILROAD CROSSING EPOXY
		18W	MARKING STOP LINE EPOXY 18-INCH (WHITE)

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	PAVEMENT MARKING AND SIGNAGE: STA 423+50 TO STA 453+50	SHEET 52	E

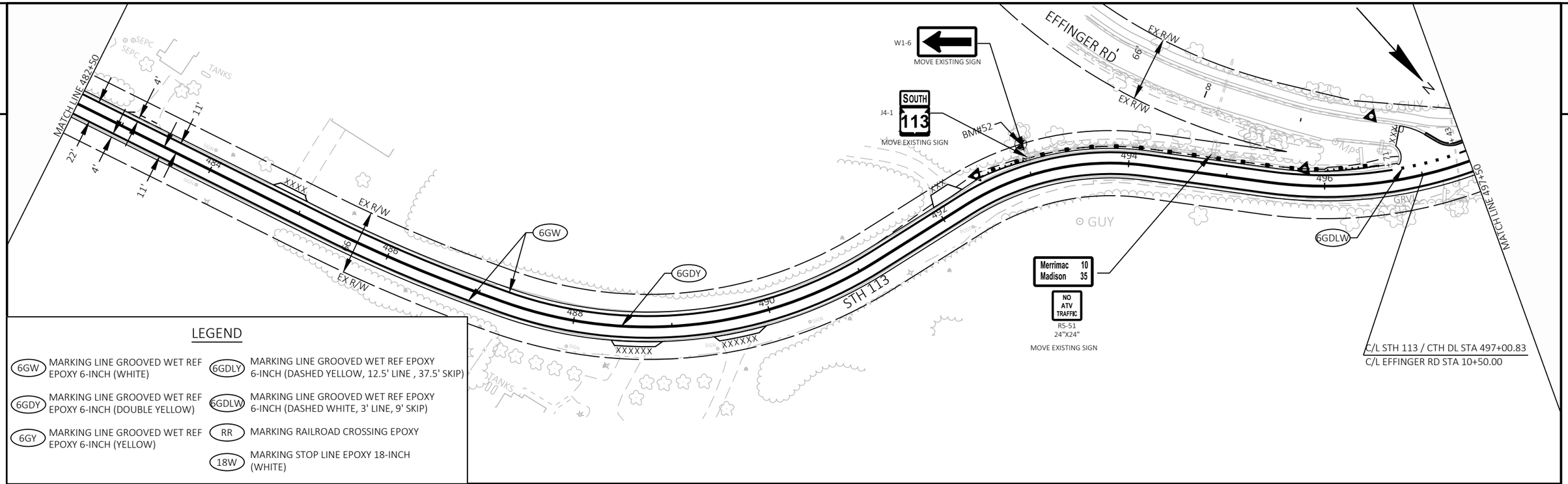


LEGEND

6GW	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	6GDLY	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DASHED YELLOW, 12.5' LINE , 37.5' SKIP)
6GDY	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	6GDLW	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DASHED WHITE, 3' LINE, 9' SKIP)
6GY	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	RR	MARKING RAILROAD CROSSING EPOXY
		18W	MARKING STOP LINE EPOXY 18-INCH (WHITE)

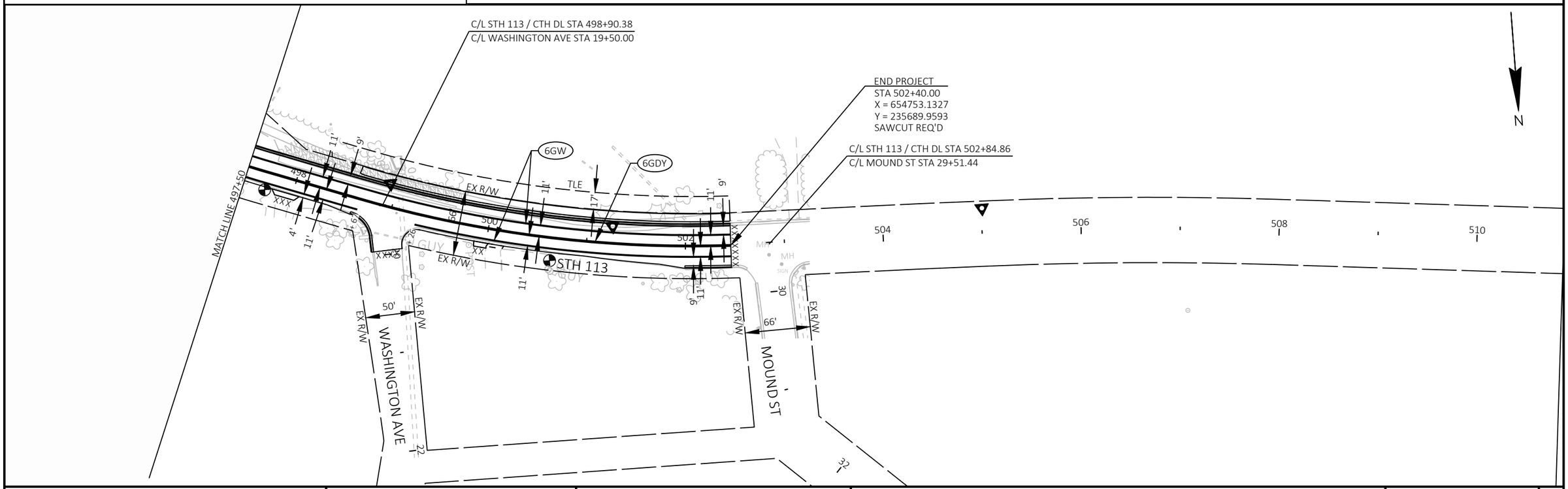
PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	PAVEMENT MARKING AND SIGNAGE: STA 453+50 TO STA 482+50	SHEET 53	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\024511-PM.DWG
LAYOUT NAME - 024513-pm13
PLOT DATE : 10/15/2025 9:58 AM PLOT BY : NATHAN HARVEY PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

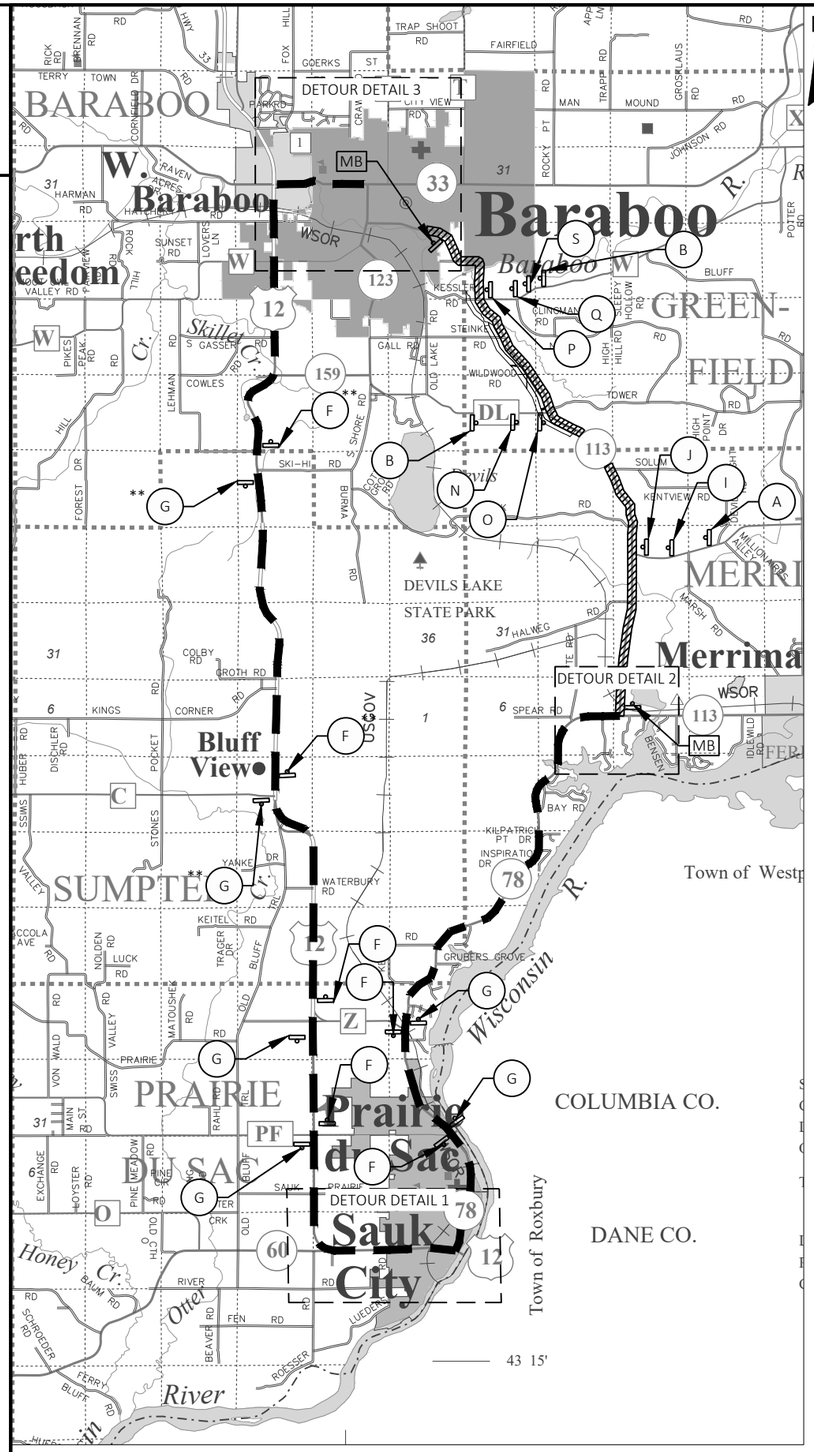


LEGEND

6GW	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	6GDLY	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DASHED YELLOW, 12.5' LINE , 37.5' SKIP)
6GDY	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	6GDLW	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DASHED WHITE, 3' LINE, 9' SKIP)
6GY	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	RR	MARKING RAILROAD CROSSING EPOXY
		18W	MARKING STOP LINE EPOXY 18-INCH (WHITE)



PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	PAVEMENT MARKING AND SIGNAGE: STA 482+50 TO STA 510+00	SHEET 54	E



2

NORTH 113 — M3-1 24"X12", M1-5 24"X24" — DETOUR AHEAD W20-2A — A

SOUTH 113 — M3-3 24"X12", M1-5 24"X24" — DETOUR AHEAD W20-2A — B

DETOUR AHEAD W20-2A — C

ROAD CLOSED AHEAD W20-3A — D

ROAD CLOSED 1000 FT W20-3C — E

DETOUR / NORTH 113 — MO4-8 24"X12"/36"X18"**, M3-1 24"X12"/36"X18"**, M1-5 24"X24"/36"X36"** — F

DETOUR / SOUTH 113 — MO4-8 24"X12"/36"X18"**, M3-3 24"X12"/36"X18"**, M1-5 24"X12"/36"X36"** — G

END DETOUR 113 — 24"X18", M1-5 24"X24" — H

DETOUR / NORTH 113 — MO4-8 24"X12", M3-1 24"X12", M1-5 24"X24", MO5-1L 21"X21" — I

DETOUR / NORTH 113 — MO4-8 24"X12", M3-1 24"X12", M1-5 24"X24", MO6-1 21"X21" — J

DETOUR / NORTH 113 — MO4-8 24"X12", M3-1 24"X12", M1-5 24"X24", MO6-1 21"X21" — K

DETOUR / NORTH 113 — MO4-8 24"X12", M3-1 24"X12", M1-5 24"X24", MO5-1R 21"X21" — L

DETOUR / NORTH 113 — MO4-8 24"X12", M3-1 24"X12", M1-5 24"X24", MO6-1 21"X21" — M

DETOUR / SOUTH 113 — MO4-8 24"X12", M3-3 24"X12", M1-5 24"X24", MO5-1L 21"X21" — N

DETOUR / SOUTH 113 — MO4-8 24"X12", M3-3 24"X12", M1-5 24"X24", MO6-1 21"X21" — O

DETOUR / SOUTH 113 — MO4-8 24"X12", M3-3 24"X12", M1-5 24"X24", MO6-1 21"X21" — P

DETOUR / SOUTH 113 — MO4-8 24"X12", M3-3 24"X12", M1-5 24"X24", MO5-1R 21"X21" — Q

DETOUR / SOUTH 113 — MO4-8 24"X12", M3-3 24"X12", M1-5 24"X24", MO6-1 21"X21" — R

ROAD OPEN TO HWY DL — S

FRAME A: HWY 113 CLOSED — FRAME B: STARTING MM-DD-YY

(IN PLACE 7 DAYS PRIOR TO STARTING DETOUR)

MB

**OVERSIZED WHERE NOTED

LEGEND

- WORK AREA
- DETOUR ROUTE
- TYPE III BARRICADE WITH SIGN
- SIGN ON PERMANENT SUPPORT
- EXISTING SIGN, COVER EXISTING SIGN, PROPOSED DETOUR SIGN

NOTES:

1. ALL SIGNS ARE 48"X48", UNLESS OTHERWISE NOTED.
2. "MO" SIGNS ARE THE SAME AS "M" SIGNS, EXCEPT THE BACKGROUND IS ORANGE.
3. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT CONDITIONS AS APPROVED BY THE ENGINEER.
4. MOUNT ALL PORTABLE TRAFFIC CONTROL SIGNS AT A MINIMUM HEIGHT OF 5 FEET, MEASURED FROM THE BOTTOM OF THE SIGN, ABOVE THE EDGE OF PAVEMENT.

SDD 15C2 - BARRICADES AND DETOUR SIGNING FOR MAINLINE, DETOUR, ON RAMP, OFF RAMP, CLOSURES, AND ADVANCED WITH RESTRICTION.

SDD 15C3 - BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

SDD 15C4 - TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

SDD 15D39 - TRAFFIC CONTROL, DROP-OFF SIGNING

SDD 15D45 -TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL

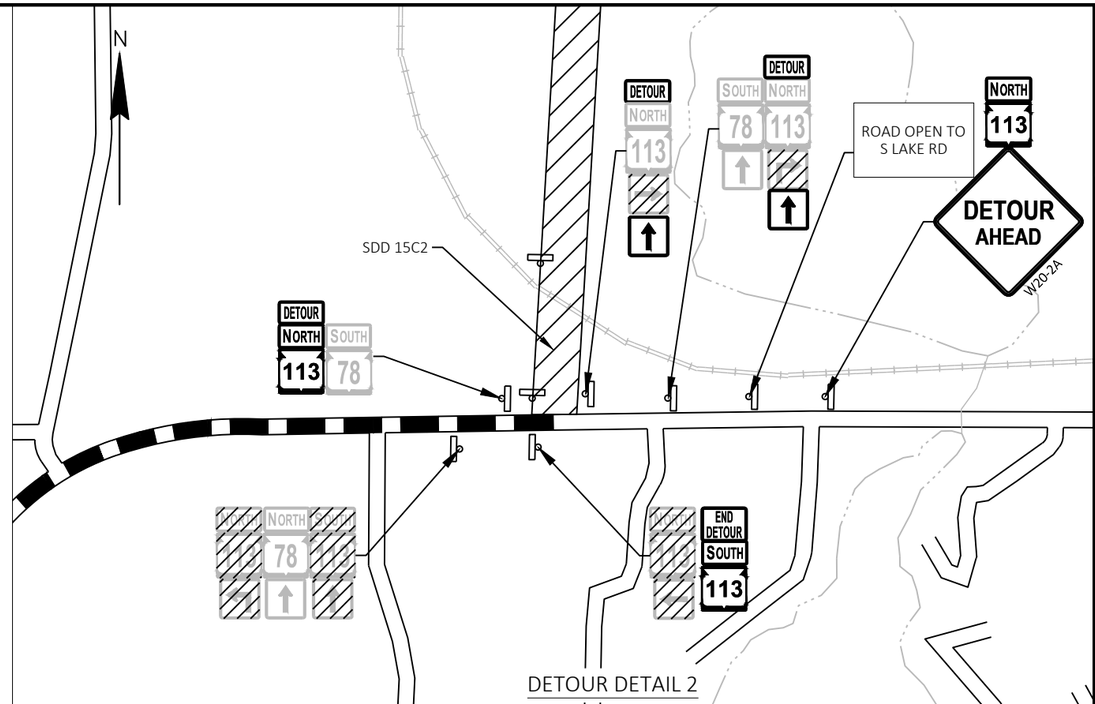
PROJECT NO: 5620-00-72, 5620-00-73	HWY: STH 113	COUNTY: SAUK	DETOUR PLAN OVERVIEW	SHEET 55	E

2

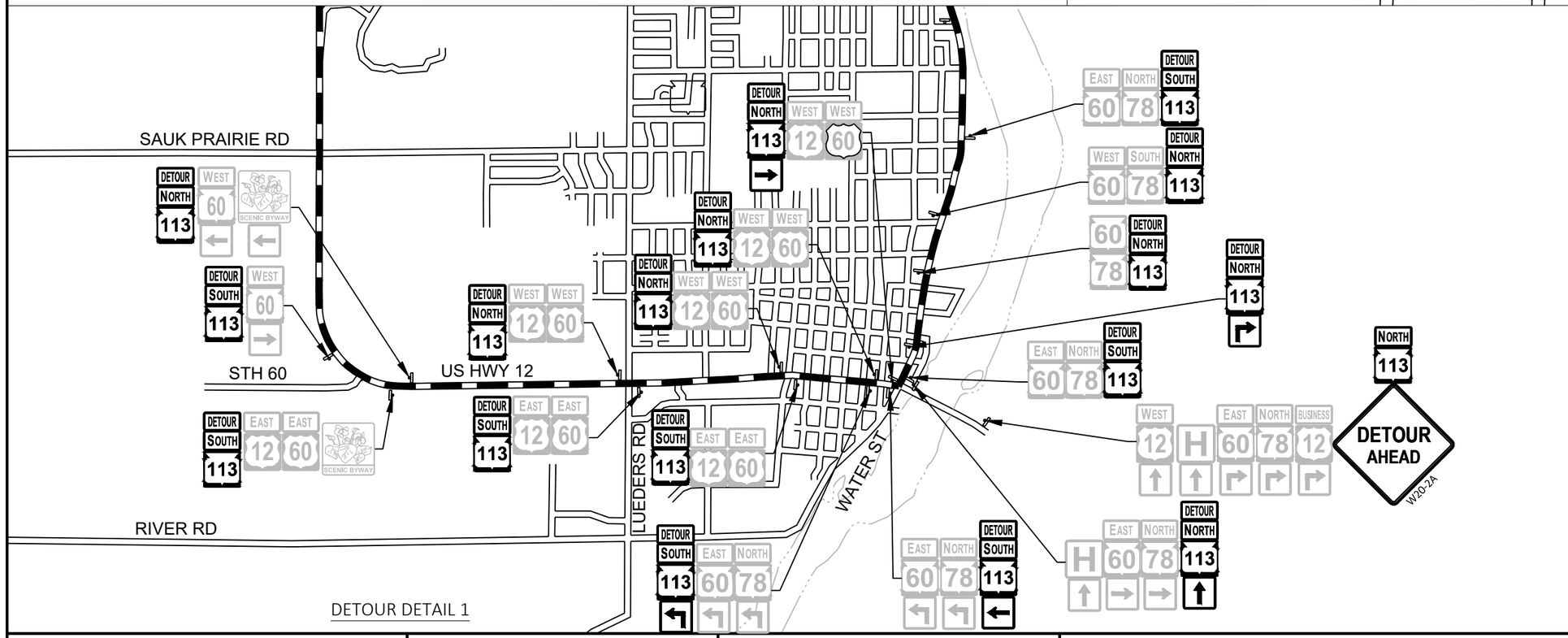
SIGN LEGEND

113	M1-5	24"X24" 36"X36"**
NORTH	M3-1	24"X12" 36"X18"**
SOUTH	M3-3	24"X12" 36"X18"**
DETOUR	M4-8	24"X12" 36"X18"**
END DETOUR	M4-8A	24"X18" 30"X24"**
	MO5-1L	21"X21" 30"X30"**
	MO5-1R	21"X21" 30"X30"**
	MO6-1	21"X21" 30"X30"**
	MO6-1	21"X21" 30"X30"**
	MO6-1	21"X21" 30"X30"**

** OVERSIZED (WHERE NOTED)



DETOUR DETAIL 2



DETOUR DETAIL 1

LEGEND

- WORK AREA
- DETOUR ROUTE
- TYPE III BARRICADE WITH SIGN
- SIGN ON PERMANENT SUPPORT
- EXISTING SIGN, COVER EXISTING SIGN, PROPOSED DETOUR SIGN

NOTES:

1. ALL SIGNS ARE 48"X48", UNLESS OTHERWISE NOTED.
2. "MO" SIGNS ARE THE SAME AS "M" SIGNS, EXCEPT THE BACKGROUND IS ORANGE.
3. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT CONDITIONS AS APPROVED BY THE ENGINEER.
4. MOUNT ALL PORTABLE TRAFFIC CONTROL SIGNS AT A MINIMUM HEIGHT OF 5 FEET, MEASURED FROM THE BOTTOM OF THE SIGN, ABOVE THE EDGE OF PAVEMENT.

SDD 15C2 - BARRICADES AND DETOUR SIGNING FOR MAINLINE, DETOUR, ON RAMP, OFF RAMP, CLOSURES, AND ADVANCED WITH RESTRICTION.

SDD 15C3 - BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

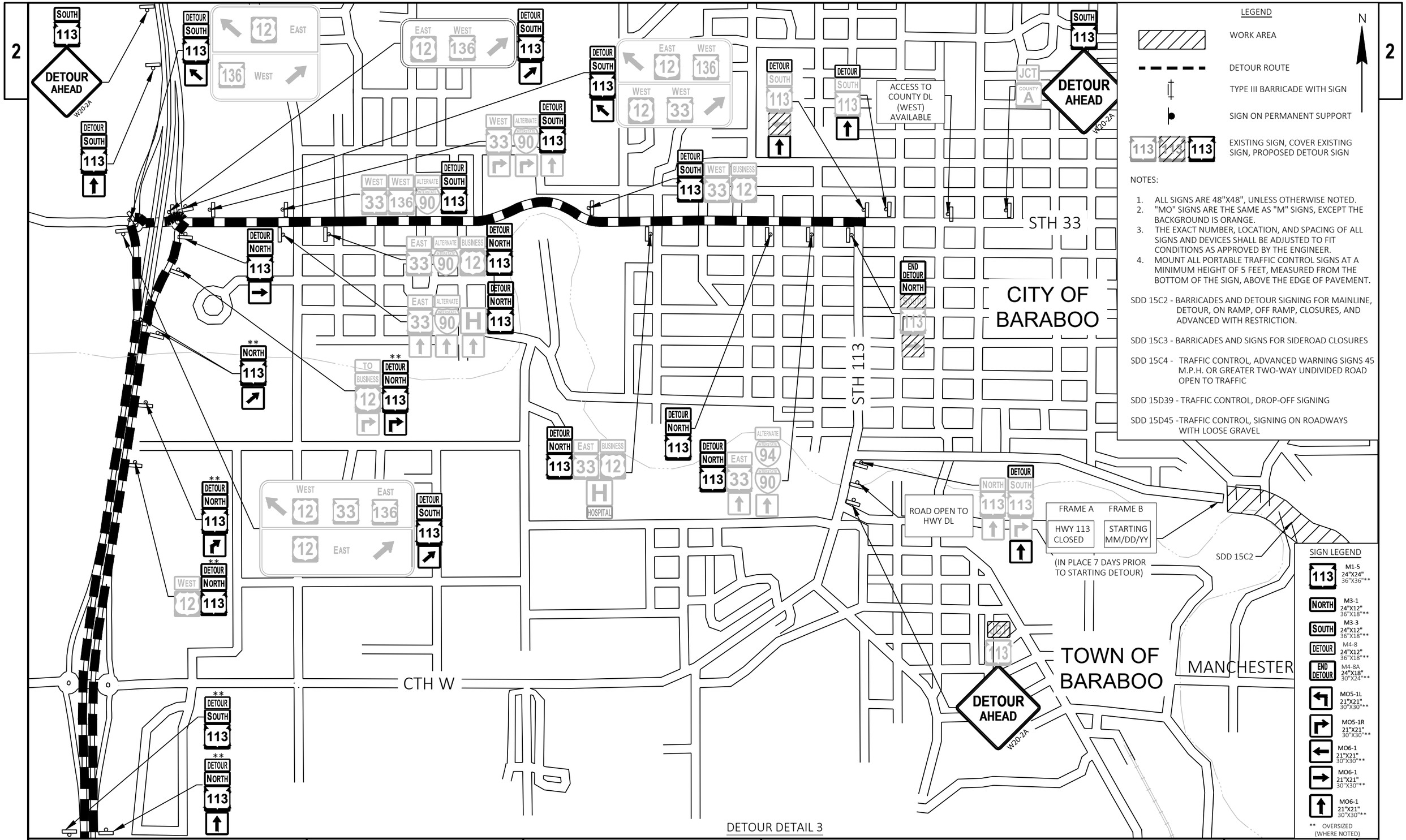
SDD 15C4 - TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

SDD 15D39 - TRAFFIC CONTROL, DROP-OFF SIGNING

SDD 15D45 -TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL

PROJECT NO: 5620-00-72, 5620-00-73	HWY: STH 113	COUNTY: SAUK	DETOUR	SHEET 56	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\027001-DT.DWG
LAYOUT NAME - Detail 1-2
PLOT DATE : 10/15/2025 9:58 AM PLOT BY : NATHAN HARVEY PLOT NAME : PLOT SCALE : Custom
WISDOT/CADDS SHEET 42



DETOUR DETAIL 3

PROJECT NO: 5620-00-72, 5620-00-73	HWY: STH 113	COUNTY: SAUK	DETOUR	SHEET 57	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\027001-DT.DWG
LAYOUT NAME - Detail 3
PLOT DATE : 10/15/2025 9:59 AM PLOT BY : NATHAN HARVEY PLOT NAME : PLOT SCALE : 1" = 1000'_XREF
WISDOT/CADDS SHEET 42

2

2

N

M4-9AR
30"X24"
DETOUR

SIDEWALK CLOSED AHEAD
R9-9A
30"X18"

M4-9AR
30"X24"
DETOUR

STH 113 (WATER ST)

BARABOO RIVER

MOUND ST

WASHINGTON ST

TEMPORARY PEDESTRIAN BARRICADE
ACCORDING TO SDD 15D30

SIDEWALK CLOSED
R9-9
24"X12"

STH 113

POTTER ST

ICE AGE TRAIL

MILL RACE DR

EFFINGER RD

MANCHESTER ST

STH 113

SIDEWALK CLOSED AHEAD
R9-9A
30"X18"

DETOUR
M4-9AL
30"X24"

HILL ST

HILL ST

LEGEND

WORK ZONE

DETOUR ROUTE

TYPE III BARRICADE
WITH ATTACHED SIGN

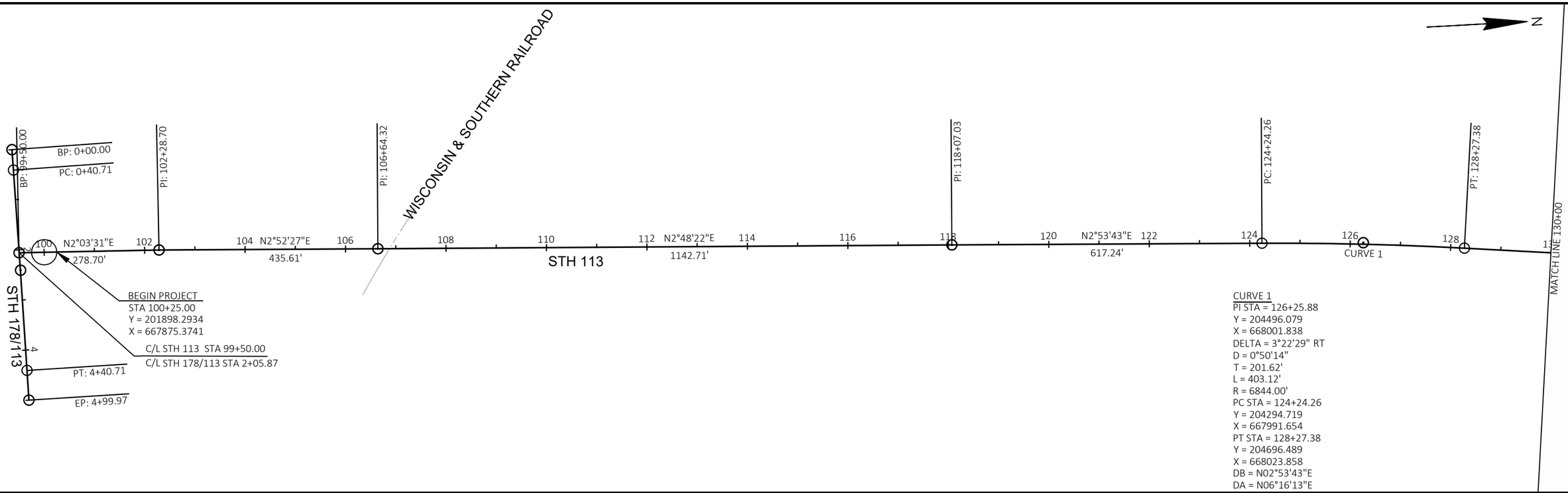
TYPE III BARRICADE
WITH ATTACHED SIGN

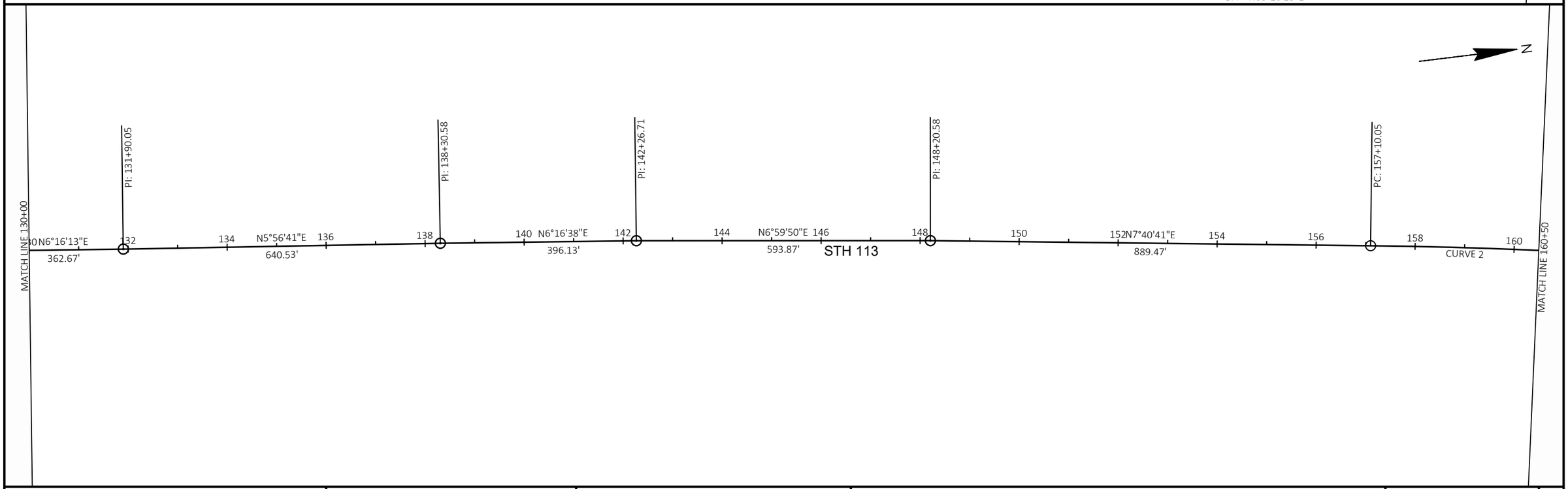
PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	DETOUR	SHEET 58	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\027002-DT.DWG
LAYOUT NAME - 027002-dt

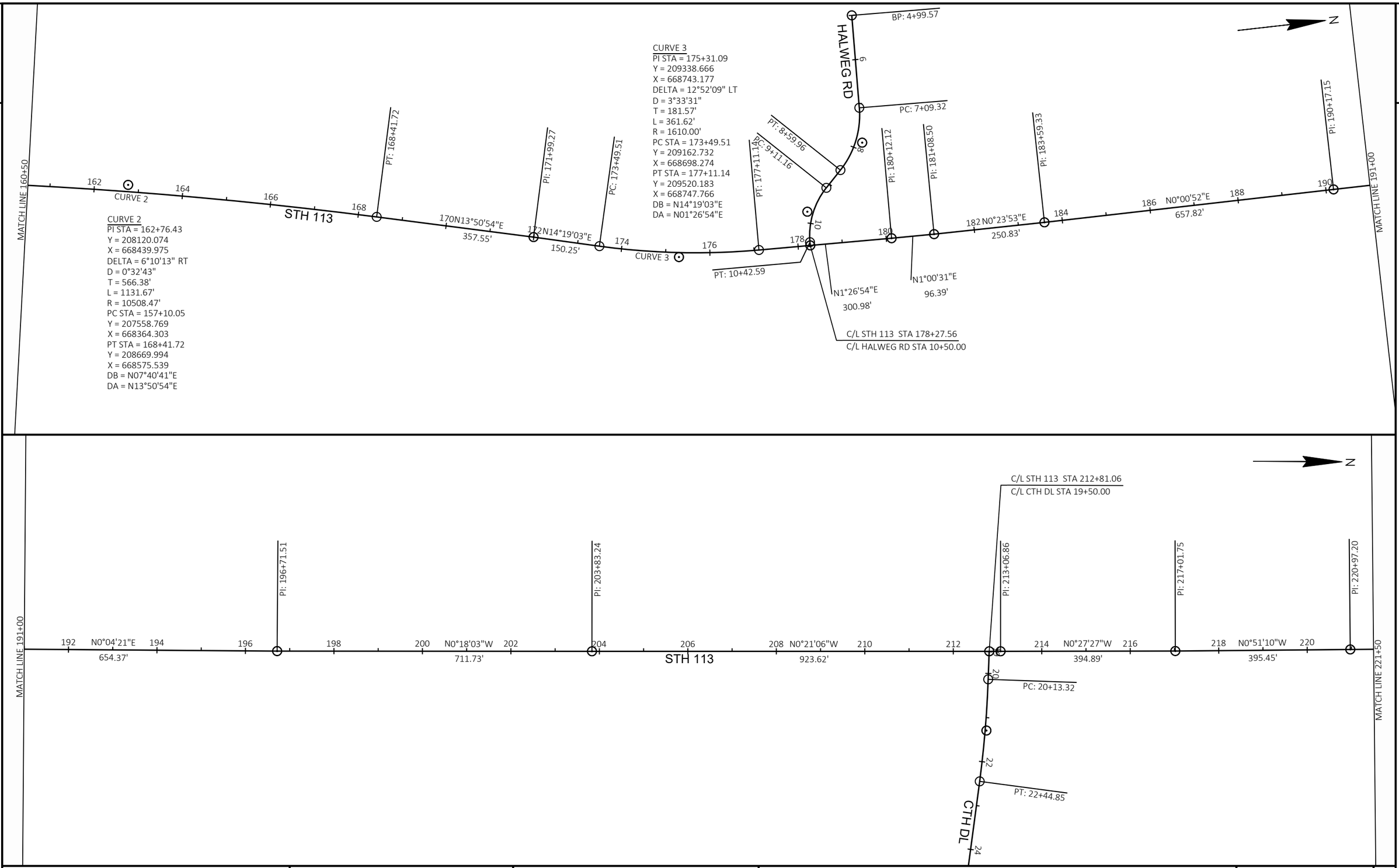
PLOT DATE : 10/15/2025 9:59 AM PLOT BY : NATHAN HARVEY PLOT NAME : PLOT SCALE : 1 IN:400 FT

WISDOT/CADDS SHEET 42



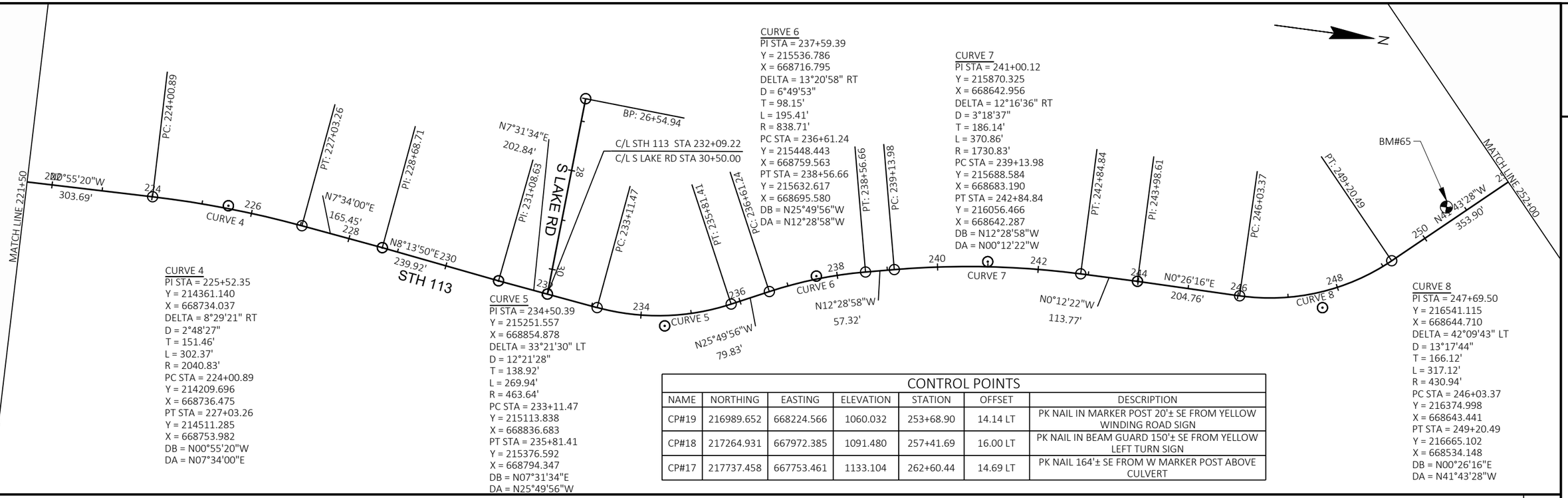


PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	ALIGNMENT DETAILS	SHEET 59	E



PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	ALIGNMENT DETAILS	SHEET 60	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\027201-AD.DWG
LAYOUT NAME - 027201-ad 2
PLOT DATE : 10/15/2025 10:00 AM
PLOT BY : NATHAN HARVEY
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44



CURVE 4
PI STA = 225+52.35
Y = 214361.140
X = 668734.037
DELTA = 8°29'21" RT
D = 2°48'27"
T = 151.46'
L = 302.37'
R = 2040.83'
PC STA = 224+00.89
Y = 214209.696
X = 668736.475
PT STA = 227+03.26
Y = 214511.285
X = 668753.982
DB = N00°55'20"W
DA = N07°34'00"E

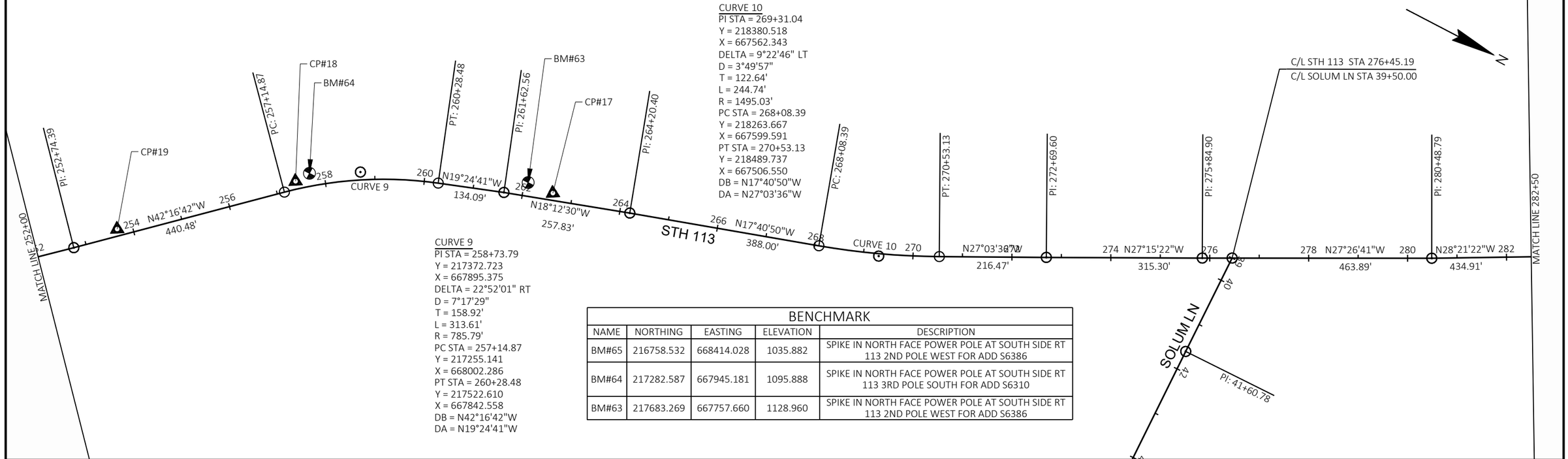
CURVE 5
PI STA = 234+50.39
Y = 215251.557
X = 668854.878
DELTA = 33°21'30" LT
D = 12°21'28"
T = 138.92'
L = 269.94'
R = 463.64'
PC STA = 233+11.47
Y = 215113.838
X = 668836.683
PT STA = 235+81.41
Y = 215376.592
X = 668794.347
DB = N07°31'34"E
DA = N25°49'56"W

CURVE 6
PI STA = 237+59.39
Y = 215536.786
X = 668716.795
DELTA = 13°20'58" RT
D = 6°49'53"
T = 98.15'
L = 195.41'
R = 838.71'
PC STA = 236+61.24
Y = 215448.443
X = 668759.563
PT STA = 238+56.66
Y = 215632.617
X = 668695.580
DB = N25°49'56"W
DA = N12°28'58"W

CURVE 7
PI STA = 241+00.12
Y = 215870.325
X = 668642.956
DELTA = 12°16'36" RT
D = 3°18'37"
T = 186.14'
L = 370.86'
R = 1730.83'
PC STA = 239+13.98
Y = 215688.584
X = 668683.190
PT STA = 242+84.84
Y = 216056.466
X = 668642.287
DB = N12°28'58"W
DA = N00°12'22"W

CURVE 8
PI STA = 247+69.50
Y = 216541.115
X = 668644.710
DELTA = 42°09'43" LT
D = 13°17'44"
T = 166.12'
L = 317.12'
R = 430.94'
PC STA = 246+03.37
Y = 216374.998
X = 668643.441
PT STA = 249+20.49
Y = 216665.102
X = 668534.148
DB = N00°26'16"E
DA = N41°43'28"W

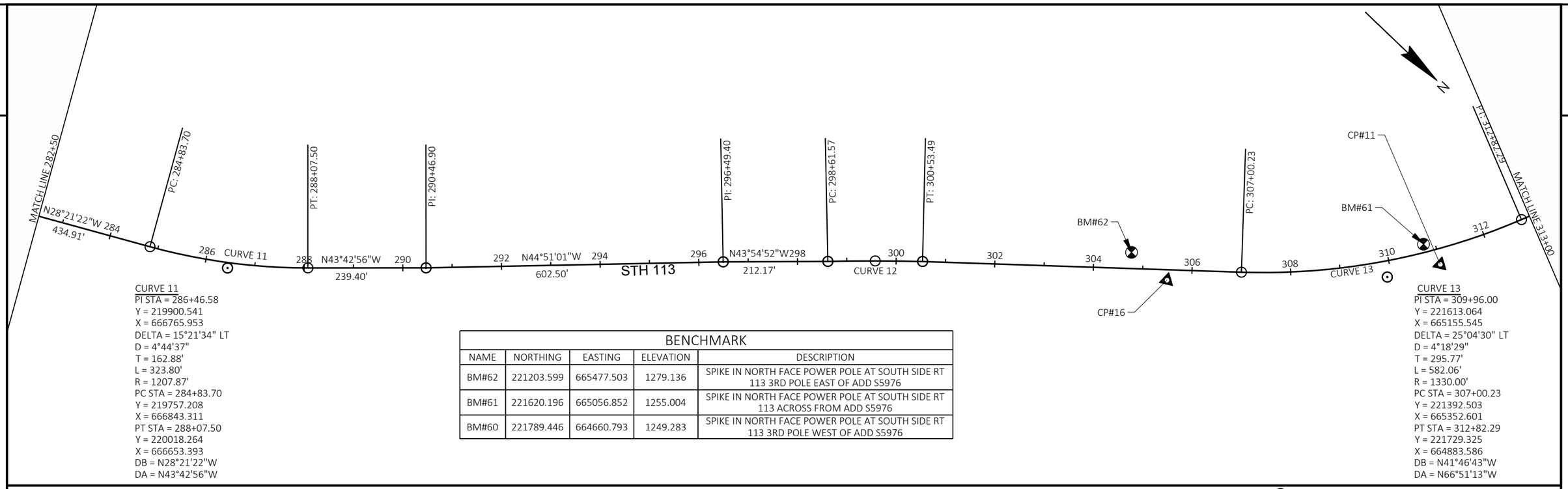
CONTROL POINTS						
NAME	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESCRIPTION
CP#19	216989.652	668224.566	1060.032	253+68.90	14.14 LT	PK NAIL IN MARKER POST 20'± SE FROM YELLOW WINDING ROAD SIGN
CP#18	217264.931	667972.385	1091.480	257+41.69	16.00 LT	PK NAIL IN BEAM GUARD 150'± SE FROM YELLOW LEFT TURN SIGN
CP#17	217737.458	667753.461	1133.104	262+60.44	14.69 LT	PK NAIL 164'± SE FROM W MARKER POST ABOVE CULVERT



CURVE 9
PI STA = 258+73.79
Y = 217372.723
X = 667895.375
DELTA = 22°52'01" RT
D = 7°17'29"
T = 158.92'
L = 313.61'
R = 785.79'
PC STA = 257+14.87
Y = 217255.141
X = 668002.286
PT STA = 260+28.48
Y = 217522.610
X = 667842.558
DB = N42°16'42"W
DA = N19°24'41"W

CURVE 10
PI STA = 269+31.04
Y = 218380.518
X = 667562.343
DELTA = 9°22'46" LT
D = 3°49'57"
T = 122.64'
L = 244.74'
R = 1495.03'
PC STA = 268+08.39
Y = 218263.667
X = 667599.591
PT STA = 270+53.13
Y = 218489.737
X = 667506.550
DB = N17°40'50"W
DA = N27°03'36"W

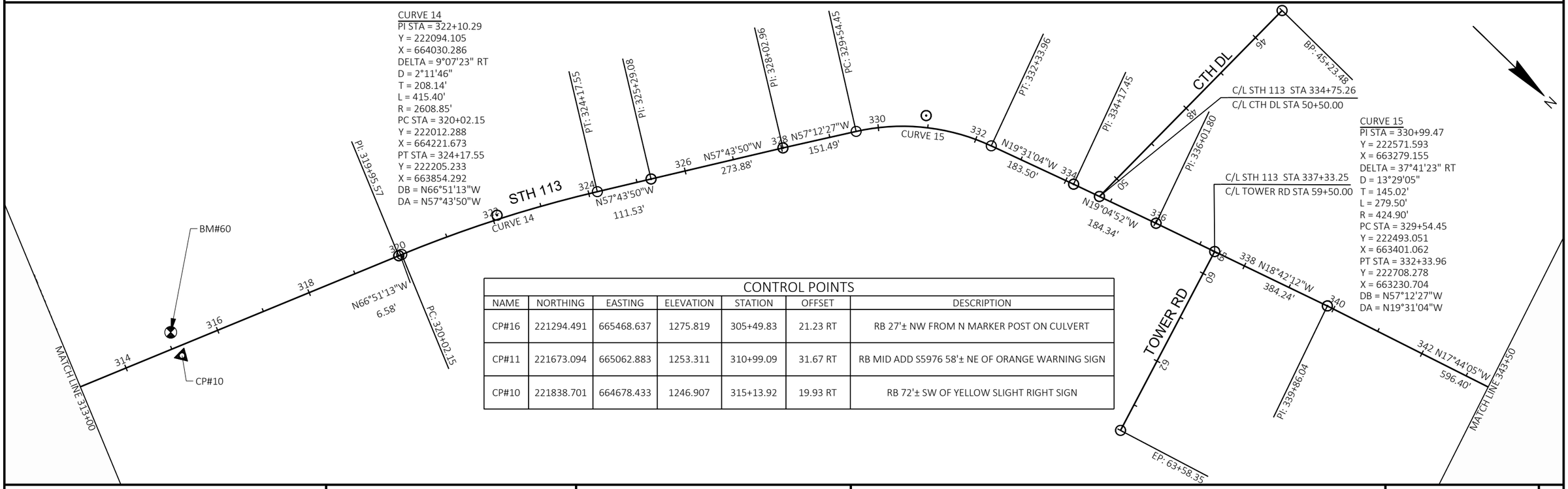
BENCHMARK				
NAME	NORTHING	EASTING	ELEVATION	DESCRIPTION
BM#65	216758.532	668414.028	1035.882	SPIKE IN NORTH FACE POWER POLE AT SOUTH SIDE RT 113 2ND POLE WEST FOR ADD S6386
BM#64	217282.587	667945.181	1095.888	SPIKE IN NORTH FACE POWER POLE AT SOUTH SIDE RT 113 3RD POLE SOUTH FOR ADD S6310
BM#63	217683.269	667757.660	1128.960	SPIKE IN NORTH FACE POWER POLE AT SOUTH SIDE RT 113 2ND POLE WEST FOR ADD S6386



CURVE 11
PI STA = 286+46.58
Y = 219900.541
X = 666765.953
DELTA = 15°21'34" LT
D = 4°44'37"
T = 162.88'
L = 323.80'
R = 1207.87'
PC STA = 284+83.70
Y = 219757.208
X = 666843.311
PT STA = 288+07.50
Y = 220018.264
X = 666653.393
DB = N28°21'22"W
DA = N43°42'56"W

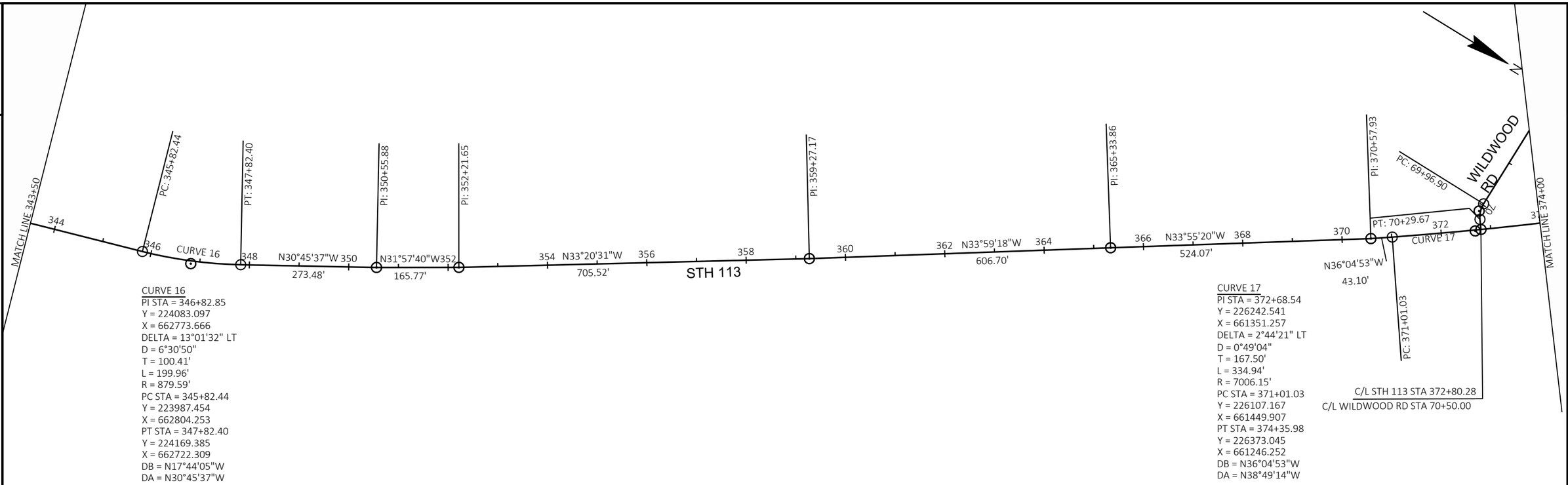
BENCHMARK				
NAME	NORTHING	EASTING	ELEVATION	DESCRIPTION
BM#62	221203.599	665477.503	1279.136	SPIKE IN NORTH FACE POWER POLE AT SOUTH SIDE RT 113 3RD POLE EAST OF ADD S5976
BM#61	221620.196	665056.852	1255.004	SPIKE IN NORTH FACE POWER POLE AT SOUTH SIDE RT 113 ACROSS FROM ADD S5976
BM#60	221789.446	664660.793	1249.283	SPIKE IN NORTH FACE POWER POLE AT SOUTH SIDE RT 113 3RD POLE WEST OF ADD S5976

CURVE 13
PI STA = 309+96.00
Y = 221613.064
X = 665155.545
DELTA = 25°04'30" LT
D = 4°18'29"
T = 295.77'
L = 582.06'
R = 1330.00'
PC STA = 307+00.23
Y = 221392.503
X = 665352.601
PT STA = 312+82.29
Y = 221729.325
X = 664883.586
DB = N41°46'43"W
DA = N66°51'13"W



CONTROL POINTS						
NAME	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESCRIPTION
CP#16	221294.491	665468.637	1275.819	305+49.83	21.23 RT	RB 27'± NW FROM N MARKER POST ON CULVERT
CP#11	221673.094	665062.883	1253.311	310+99.09	31.67 RT	RB MID ADD S5976 58'± NE OF ORANGE WARNING SIGN
CP#10	221838.701	664678.433	1246.907	315+13.92	19.93 RT	RB 72'± SW OF YELLOW SLIGHT RIGHT SIGN

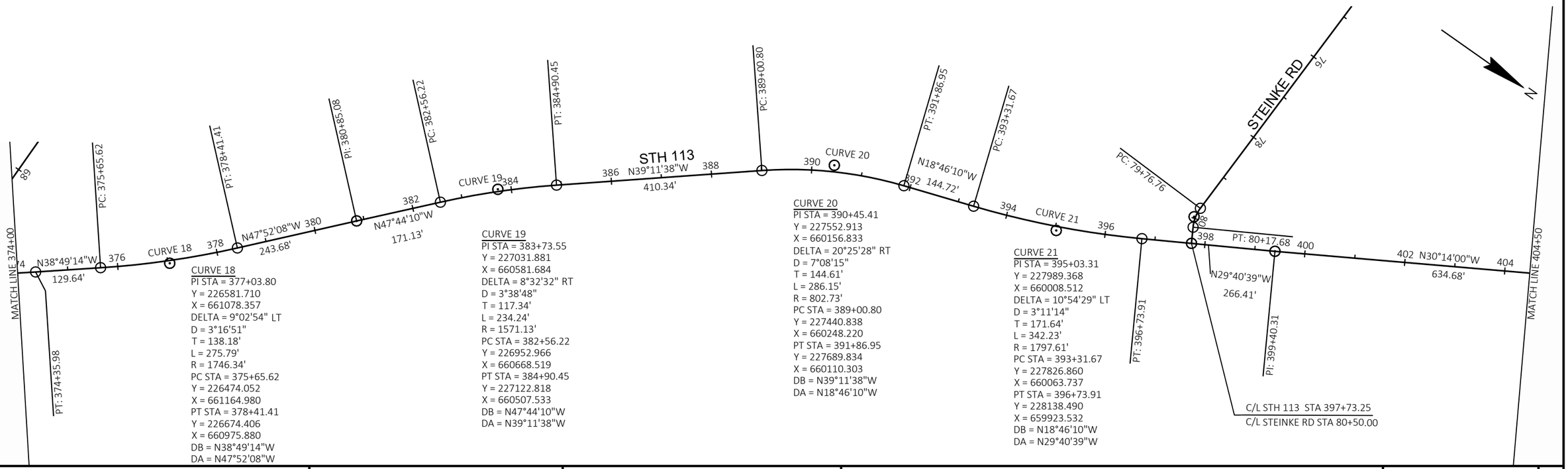
PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	ALIGNMENT DETAILS	SHEET 62	E



CURVE 16
PI STA = 346+82.85
Y = 224083.097
X = 662773.666
DELTA = 13°01'32" LT
D = 6°30'50"
T = 100.41'
L = 199.96'
R = 879.59'
PC STA = 345+82.44
Y = 223987.454
X = 662804.253
PT STA = 347+82.40
Y = 224169.385
X = 662722.309
DB = N17°44'05"W
DA = N30°45'37"W

CURVE 17
PI STA = 372+68.54
Y = 226242.541
X = 661351.257
DELTA = 2°44'21" LT
D = 0°49'04"
T = 167.50'
L = 334.94'
R = 7006.15'
PC STA = 371+01.03
Y = 226107.167
X = 661449.907
PT STA = 374+35.98
Y = 226373.045
X = 661246.252
DB = N36°04'53"W
DA = N38°49'14"W

C/L STH 113 STA 372+80.28
C/L WILDWOOD RD STA 70+50.00



CURVE 18
PI STA = 377+03.80
Y = 226581.710
X = 661078.357
DELTA = 9°02'54" LT
D = 3°16'51"
T = 138.18'
L = 275.79'
R = 1746.34'
PC STA = 375+65.62
Y = 226474.052
X = 661164.980
PT STA = 378+41.41
Y = 226674.406
X = 660975.880
DB = N38°49'14"W
DA = N47°52'08"W

CURVE 19
PI STA = 383+73.55
Y = 227031.881
X = 660581.684
DELTA = 8°32'32" RT
D = 3°38'48"
T = 117.34'
L = 234.24'
R = 1571.13'
PC STA = 382+56.22
Y = 226952.966
X = 660668.519
PT STA = 384+90.45
Y = 227122.818
X = 660507.533
DB = N47°44'10"W
DA = N39°11'38"W

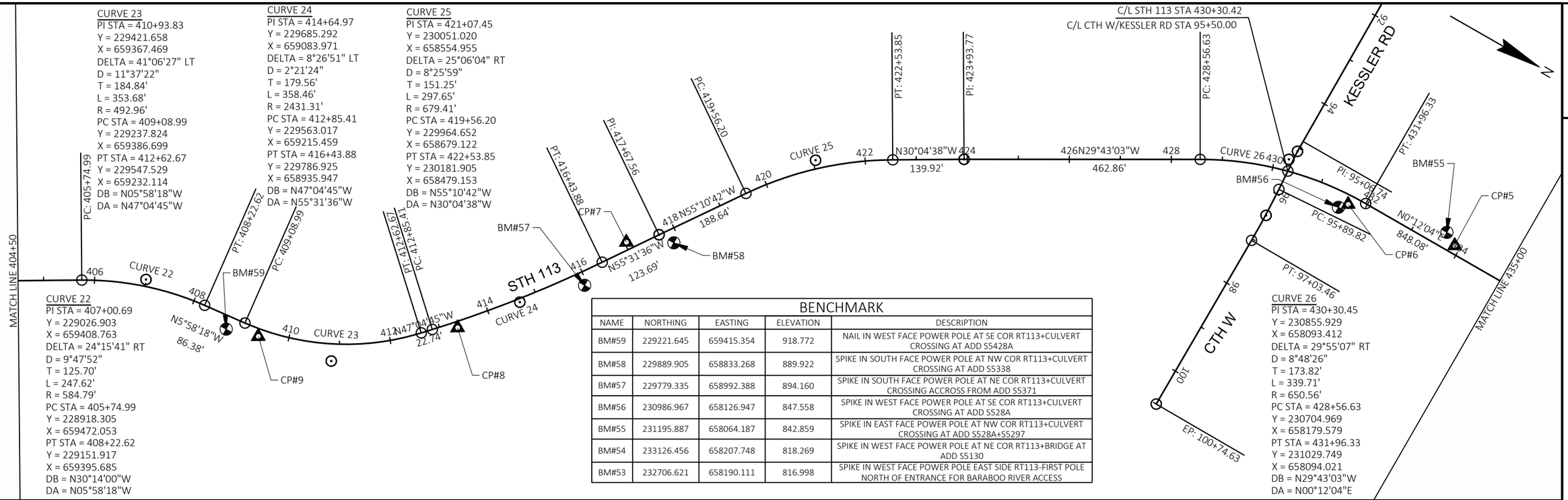
CURVE 20
PI STA = 390+45.41
Y = 227552.913
X = 660156.833
DELTA = 20°25'28" RT
D = 7°08'15"
T = 144.61'
L = 286.15'
R = 802.73'
PC STA = 389+00.80
Y = 227440.838
X = 660248.220
PT STA = 391+86.95
Y = 227689.834
X = 660110.303
DB = N39°11'38"W
DA = N18°46'10"W

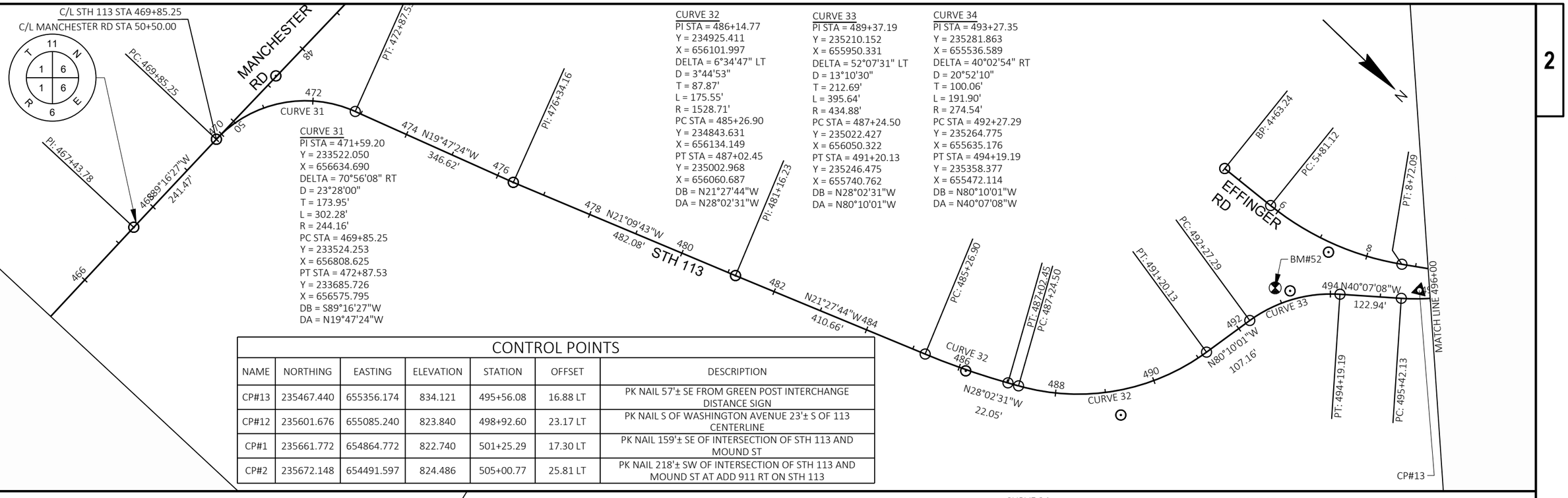
CURVE 21
PI STA = 395+03.31
Y = 227989.368
X = 660008.512
DELTA = 10°54'29" LT
D = 3°11'14"
T = 171.64'
L = 342.23'
R = 1797.61'
PC STA = 393+31.67
Y = 227826.860
X = 660063.737
PT STA = 396+73.91
Y = 228138.490
X = 659923.532
DB = N18°46'10"W
DA = N29°40'39"W

C/L STH 113 STA 397+73.25
C/L STEINKE RD STA 80+50.00

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	ALIGNMENT DETAILS	SHEET 63	E

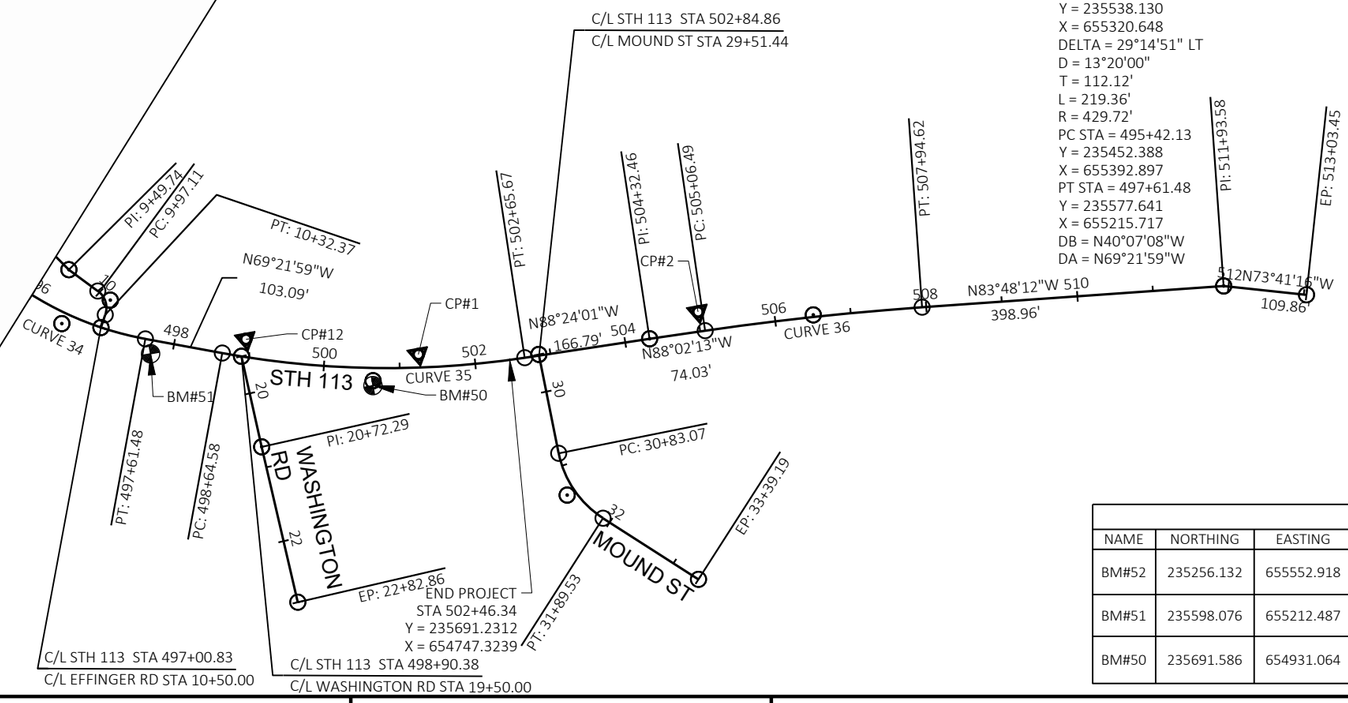
FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\027201-AD.DWG
LAYOUT NAME - 027201-ad 5
PLOT DATE : 10/15/2025 10:00 AM
PLOT BY : NATHAN HARVEY
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44


2
2
CURVE 23
PI STA = 410+93.83
Y = 229421.658
X = 659367.469
DELTA = 41°06'27" LT
D = 11°37'22"
T = 184.84'
L = 353.68'
R = 492.96'
PC STA = 409+08.99
Y = 229237.824
X = 659386.699
PT STA = 412+62.67
Y = 229547.529
X = 659232.114
DB = N05°58'18"W
DA = N47°04'45"W
CURVE 24
PI STA = 414+64.97
Y = 229685.292
X = 659083.971
DELTA = 8°26'51" LT
D = 2°21'24"
T = 179.56'
L = 358.46'
R = 2431.31'
PC STA = 412+85.41
Y = 229563.017
X = 659215.459
PT STA = 416+43.88
Y = 229786.925
X = 658935.947
DB = N47°04'45"W
DA = N55°31'36"W
CURVE 25
PI STA = 421+07.45
Y = 230051.020
X = 658554.955
DELTA = 25°06'04" RT
D = 8°25'59"
T = 151.25'
L = 297.65'
R = 679.41'
PC STA = 419+56.20
Y = 229964.652
X = 658679.122
PT STA = 422+53.85
Y = 230181.905
X = 658479.153
DB = N55°10'42"W
DA = N30°04'38"W
C/L STH 113 STA 430+30.42
C/L CTH W/KESSLER RD STA 95+50.00
MATCH LINE 404+50
PC: 405+74.99
406
CURVE 22
408
PT: 408+22.62
PC: 409+08.99
BM#59
410
CURVE 23
412
PT: 412+62.67
PC: 412+85.41
N47°04'45"W
22.74'
414
CURVE 24
CP#8
CP#9
N5°58'18"W
86.38'
CURVE 22
PI STA = 407+00.69
Y = 229026.903
X = 659408.763
DELTA = 24°15'41" RT
D = 9°47'52"
T = 125.70'
L = 247.62'
R = 584.79'
PC STA = 405+74.99
Y = 228918.305
X = 659472.053
PT STA = 408+22.62
Y = 229151.917
X = 659395.685
DB = N30°14'00"W
DA = N05°58'18"W
STH 113
PT: 416+43.88
CP#7
PI: 417+67.56
PC: 419+56.20
BM#57
416
N55°31'36"W
123.69'
418
N55°10'42"W
188.64'
BM#58
420
CURVE 25
422
PT: 422+53.85
PI: 423+93.77
N30°04'38"W 424
139.92'
426N29°43'03"W
462.86'
428
CURVE 26
430
PC: 428+56.63
BM#56
92
KESSLER RD
94
PT: 431+96.33
BM#55
PI: 95+06.74
432
CP#5
96
PC: 95+89.82
N0°12'04"E
848.08'
CP#6
434
98
CTH W
PT: 97+03.46
100
EP: 100+74.63
MATCH LINE 435+00
N
BENCHMARK
NAME | NORTHING | EASTING | ELEVATION | DESCRIPTION
BM#59 | 229221.645 | 659415.354 | 918.772 | NAIL IN WEST FACE POWER POLE AT SE COR RT113+CULVERT CROSSING AT ADD S5428A
BM#58 | 229889.905 | 658833.268 | 889.922 | SPIKE IN SOUTH FACE POWER POLE AT NW COR RT113+CULVERT CROSSING AT ADD S5338
BM#57 | 229779.335 | 658992.388 | 894.160 | SPIKE IN SOUTH FACE POWER POLE AT NE COR RT113+CULVERT CROSSING ACCROSS FROM ADD S5371
BM#56 | 230986.967 | 658126.947 | 847.558 | SPIKE IN WEST FACE POWER POLE AT SE COR RT113+CULVERT CROSSING AT ADD S528A
BM#55 | 231195.887 | 658064.187 | 842.859 | SPIKE IN EAST FACE POWER POLE AT NW COR RT113+CULVERT CROSSING AT ADD S528A+S5297
BM#54 | 233126.456 | 658207.748 | 818.269 | SPIKE IN WEST FACE POWER POLE AT NE COR RT113+BRIDGE AT ADD S5130
BM#53 | 232706.621 | 658190.111 | 816.998 | SPIKE IN WEST FACE POWER POLE EAST SIDE RT113-FIRST POLE NORTH OF ENTRANCE FOR BARABOO RIVER ACCESS
CURVE 26
PI STA = 430+30.45
Y = 230855.929
X = 658093.412
DELTA = 29°55'07" RT
D = 8°48'26"
T = 173.82'
L = 339.71'
R = 650.56'
PC STA = 428+56.63
Y = 230704.969
X = 658179.579
PT STA = 431+96.33
Y = 231029.749
X = 658094.021
DB = N29°43'03"W
DA = N00°12'04"E
MATCH LINE 435+00
436
N0°12'04"E
848.08'
438
440
PI: 440+44.41
PC: 443+03.30
N0°27'14"E
258.89'
442
444
CURVE 27
PT: 445+85.41
446
N4°25'20"E
243.12'
PI: 448+28.53
448
STH 113
450
N4°06'10"E
629.07'
CP#3
BM#53
452
BM#54
CP#4
454
N19°07'41"W
11.31'
PC: 454+57.60
PT: 455+70.68
PC: 455+81.99
456
458
N64°34'10"W
0.83'
CURVE 27
PI STA = 444+44.41
Y = 232277.807
X = 658100.166
DELTA = 3°58'05" RT
D = 1°24'24"
T = 141.11'
L = 282.10'
R = 4073.33'
PC STA = 443+03.30
Y = 232136.703
X = 658099.048
PT STA = 445+85.41
Y = 232418.495
X = 658111.046
DB = N00°27'14"E
DA = N04°25'20"E
CURVE 28
PI STA = 455+14.93
Y = 233345.535
X = 658178.901
DELTA = 23°13'52" LT
D = 20°32'39"
T = 57.33'
L = 113.08'
R = 278.89'
PC STA = 454+57.60
Y = 233288.356
X = 658174.799
PT STA = 455+70.68
Y = 233399.696
X = 658160.116
DB = N04°06'10"E
DA = N19°07'41"W
CURVE 29
PI STA = 456+59.21
Y = 233483.335
X = 658131.107
DELTA = 45°26'28" LT
D = 31°04'18"
T = 77.21'
L = 146.25'
R = 184.40'
PC STA = 455+81.99
Y = 233410.384
X = 658156.409
PT STA = 457+28.24
Y = 233516.491
X = 658061.375
DB = N19°07'41"W
DA = N64°34'10"W
MATCH LINE 465+00
STH 113
S89°02'22"W 464
553.19'
PI: 461+90.59
462
PI: 459+94.35
PT: 457+28.24
PC: 457+29.07
S88°51'35"W
196.24'
S88°38'56"W 460
135.44'
PT: 458+58.90
CURVE 30
PI STA = 457+95.20
Y = 233545.244
X = 658000.905
DELTA = 26°46'54" LT
D = 20°37'41"
T = 66.12'
L = 129.83'
R = 277.76'
PC STA = 457+29.07
Y = 233516.850
X = 658060.622
PT STA = 458+58.90
Y = 233543.685
X = 657934.799
DB = N64°34'10"W
DA = S88°38'56"W
CONTROL POINTS
NAME | NORTHING | EASTING | ELEVATION | STATION | OFFSET | DESCRIPTION
CP#9 | 229273.474 | 659396.438 | 916.076 | 409+42.47 | 14.57 RT | PK NAIL IN BEAM GUARD AT ADDRESS S5412
CP#8 | 229604.470 | 659187.937 | 899.918 | 413+33.56 | 12.09 RT | PK NAIL AT ADDRESS S5390
CP#7 | 229808.568 | 658878.225 | 891.808 | 417+03.71 | 14.86 LT | PK NAIL IN BEAM GUARD AT ADDRESS S5335
CP#6 | 231000.771 | 658112.436 | 846.961 | 431+66.60 | 17.86 RT | PK NAIL S OF BOX CULVERT AT ADDS5284A IN BEAM GUARD
CP#5 | 231222.208 | 658078.908 | 841.361 | 433+88.74 | 15.79 LT | PK NAIL N OF BOX CULVERT 50'± NW FROM WHITE 45 MPH SPEED LIMIT SIGN
CP#4 | 233187.369 | 658182.889 | 820.578 | 453+57.45 | 15.29 RT | PK NAIL 21'± SE FROM 30 MPH YELLOW LEFT TURN SIGN
CP#3 | 232821.836 | 658156.330 | 819.320 | 449+90.96 | 14.96 RT | PK NAIL S SIDE RIDGE
N
PROJECT NO: 5620-00-72
HWY: STH 113
COUNTY: SAUK
ALIGNMENT DETAILS
SHEET 64
E
FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\027201-AD.DWG
LAYOUT NAME - 027201-ad 6
PLOT DATE : 10/15/2025 10:00 AM
PLOT BY : NATHAN HARVEY
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44



CONTROL POINTS

NAME	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESCRIPTION
CP#13	235467.440	655356.174	834.121	495+56.08	16.88 LT	PK NAIL 57'± SE FROM GREEN POST INTERCHANGE DISTANCE SIGN
CP#12	235601.676	655085.240	823.840	498+92.60	23.17 LT	PK NAIL S OF WASHINGTON AVENUE 23'± S OF 113 CENTERLINE
CP#1	235661.772	654864.772	822.740	501+25.29	17.30 LT	PK NAIL 159'± SE OF INTERSECTION OF STH 113 AND MOUND ST
CP#2	235672.148	654491.597	824.486	505+00.77	25.81 LT	PK NAIL 218'± SW OF INTERSECTION OF STH 113 AND MOUND ST AT ADD 911 RT ON STH 113



BENCHMARK

NAME	NORTHING	EASTING	ELEVATION	DESCRIPTION
BM#52	235256.132	655552.918	853.475	SPIKE IN NORTH FACE FOR YELLOW DIRECTION ARROW SGN-S SIDE RT113 AT ADD S4971
BM#51	235598.076	655212.487	828.980	SPIKE IN SOUTH FACE POWER POLE AT NE COR RT113+WASHINGTON AT ADD1031
BM#50	235691.586	654931.064	825.628	SPIKE IN SOUTH FACE POWER POLE 2ND POLE WEST OF RT113+WASHINGTON AVE

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	ALIGNMENT DETAILS	SHEET 65	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\027201-AD.DWG
LAYOUT NAME - 027201-ad 7
PLOT DATE : 10/15/2025 10:00 AM
PLOT BY : NATHAN HARVEY
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44

Estimate Of Quantities

Line	Item	Item Description	Unit	Total	5620-00-72 Qty	5620-00-73 Qty
0002	201.0220	Grubbing	ID	91.000		91.000
0004	203.0100	Removing Small Pipe Culverts	EACH	5.000	4.000	1.000
0006	204.0110	Removing Asphaltic Surface	SY	323.000	323.000	
0008	204.0120	Removing Asphaltic Surface Milling	SY	121,367.000	121,367.000	
0010	204.0150	Removing Curb & Gutter	LF	146.000	146.000	
0012	204.0165	Removing Guardrail	LF	2,615.000	2,615.000	
0014	204.9060.S	Removing (item description) 01. Existing Culvert Endwall	EACH	2.000	1.000	1.000
0016	204.9090.S	Removing (item description) 01. Removing 2-FT X 2-FT Box Culvert	LF	9.000	9.000	
0018	204.9090.S	Removing (item description) 02. Removing 3-FT X 2-FT Box Culvert	LF	15.000	15.000	
0020	204.9090.S	Removing (item description) 03. Removing Small Culvert Pipe	LF	9.000	2.000	7.000
0022	205.0100	Excavation Common	CY	10,189.000	7,258.000	2,931.000
0024	211.0500	Prepare Foundation for Base Aggregate	STA	5.400	5.400	
0026	213.0100	Finishing Roadway (project) 01. 5620-00-72	EACH	1.000	1.000	
0028	213.0100	Finishing Roadway (project) 02. 5620-00-73	EACH	1.000		1.000
0030	305.0110	Base Aggregate Dense 3/4-Inch	TON	3,384.000	3,297.000	87.000
0032	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	19,931.000	15,980.000	3,951.000
0034	312.0110	Select Crushed Material	TON	359.000	31.000	328.000
0036	455.0605	Tack Coat	GAL	9,728.000	9,416.000	312.000
0038	460.0105.S	HMA Percent Within Limits (PWL) Test Strip Volumetrics	EACH	2.000	2.000	
0040	460.0110.S	HMA Percent Within Limits (PWL) Test Strip Density	EACH	2.000	2.000	
0042	460.2005	Incentive Density PWL HMA Pavement	DOL	40,203.000	40,203.000	
0044	460.2007	Incentive Density HMA Pavement Longitudinal Joints	DOL	8,045.000	8,045.000	
0046	460.2010	Incentive Air Voids HMA Pavement	DOL	40,203.000	40,203.000	
0048	460.5223	HMA Pavement 3 LT 58-28 S	TON	17,969.000	17,394.000	575.000
0050	460.5224	HMA Pavement 4 LT 58-28 S	TON	13,979.000	13,531.000	448.000
0052	465.0105	Asphaltic Surface	TON	58.000	58.000	
0054	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	158.000	158.000	
0056	465.0315	Asphaltic Flumes	SY	46.000	46.000	
0058	465.0520	Asphaltic Rumble Strips, Shoulder	LF	2,500.000		2,500.000
0060	465.0560	Asphaltic Rumble Strips, Centerline	LF	40,221.000	38,971.000	1,250.000
0062	504.1001.S	Precast Concrete Wingwalls (structure) 01. STA 273+16	EACH	1.000	1.000	
0064	504.1001.S	Precast Concrete Wingwalls (structure) 02. STA 281+13	EACH	1.000	1.000	
0066	504.2000.S	Precast Concrete Box Culvert (ft X ft) 01. 2-FT X 2-FT	LF	7.000	7.000	
0068	504.2000.S	Precast Concrete Box Culvert (ft X ft) 02. 3-FT X 2-FT	LF	18.000	18.000	
0070	520.8000	Concrete Collars for Pipe	EACH	7.000	6.000	1.000
0072	520.8700	Cleaning Culvert Pipes	EACH	12.000	12.000	
0074	521.1018	Apron Endwalls for Culvert Pipe Steel 18-Inch	EACH	3.000	3.000	
0076	521.1024	Apron Endwalls for Culvert Pipe Steel 24-Inch	EACH	5.000	4.000	1.000
0078	521.1228	Apron Endwalls for Pipe Arch Steel 28x20-Inch	EACH	3.000	3.000	
0080	521.3118	Culvert Pipe Corrugated Steel 18-Inch	LF	30.000	30.000	
0082	521.3124	Culvert Pipe Corrugated Steel 24-Inch	LF	85.000	73.000	12.000
0084	521.3728	Pipe Arch Corrugated Steel 28x20-Inch	LF	46.000	46.000	
0086	522.2419	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 19x30-Inch	LF	72.000		72.000
0088	522.2619	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 19x30-Inch	EACH	2.000		2.000
0090	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	624.000	624.000	
0092	606.0200	Riprap Medium	CY	55.000	30.000	25.000
0094	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	8.000	8.000	
0096	611.0410	Reconstructing Catch Basins	EACH	2.000	2.000	
0098	611.0624	Inlet Covers Type H	EACH	1.000	1.000	

Estimate Of Quantities

Line	Item	Item Description	Unit	Total	5620-00-72 Qty	5620-00-73 Qty
0100	611.1230	Catch Basins 2x3-FT	EACH	1.000	1.000	
0102	614.2300	MGS Guardrail 3	LF	38.000	38.000	
0104	614.2330	MGS Guardrail 3 K	LF	1,393.000	1,393.000	
0106	614.2340	MGS Guardrail 3 L	LF	546.000	546.000	
0108	614.2350	MGS Guardrail Short Radius	LF	104.000	104.000	
0110	614.2500	MGS Thrie Beam Transition	LF	160.000	160.000	
0112	614.2610	MGS Guardrail Terminal EAT	EACH	16.000	16.000	
0114	614.2630	MGS Guardrail Short Radius Terminal	EACH	4.000	4.000	
0116	618.0100	Maintenance and Repair of Haul Roads (project) 01. 5620-00-72	EACH	1.000	1.000	
0118	619.1000	Mobilization	EACH	1.000	0.950	0.050
0120	624.0100	Water	MGAL	472.000	390.000	82.000
0122	625.0100	Topsoil	SY	83,316.000	79,517.000	3,799.000
0124	627.0200	Mulching	SY	46,203.000	46,203.000	
0126	628.1504	Silt Fence	LF	6,082.000	4,583.000	1,499.000
0128	628.1520	Silt Fence Maintenance	LF	6,082.000	4,583.000	1,499.000
0130	628.1905	Mobilizations Erosion Control	EACH	19.000	19.000	
0132	628.1910	Mobilizations Emergency Erosion Control	EACH	4.000	4.000	
0134	628.2008	Erosion Mat Urban Class I Type B	SY	6,071.000	2,272.000	3,799.000
0136	628.7010	Inlet Protection Type B	EACH	3.000	3.000	
0138	628.7504	Temporary Ditch Checks	LF	619.000	299.000	320.000
0140	628.7555	Culvert Pipe Checks	EACH	55.000	51.000	4.000
0142	629.0210	Fertilizer Type B	CWT	67.000	63.000	4.000
0144	630.0130	Seeding Mixture No. 30	LB	1,109.000	1,109.000	
0146	630.0170	Seeding Mixture No. 70	LB	219.000	205.000	14.000
0148	630.0400	Seeding Nurse Crop	LB	431.000	403.000	28.000
0150	630.0500	Seed Water	MGAL	1,885.000	1,798.000	87.000
0152	633.5200	Markers Culvert End	EACH	9.000	9.000	
0154	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	10.000	10.000	
0156	637.2230	Signs Type II Reflective F	SF	66.250	66.250	
0158	638.2102	Moving Signs Type II	EACH	22.000	20.000	2.000
0160	638.2602	Removing Signs Type II	EACH	11.000	7.000	4.000
0162	638.3000	Removing Small Sign Supports	EACH	10.000	7.000	3.000
0164	638.4000	Moving Small Sign Supports	EACH	20.000	19.000	1.000
0166	642.5201	Field Office Type C	EACH	1.000	1.000	
0168	643.0420	Traffic Control Barricades Type III	DAY	1,654.000	1,654.000	
0170	643.0705	Traffic Control Warning Lights Type A	DAY	3,012.000	3,012.000	
0172	643.0900	Traffic Control Signs	DAY	11,831.000	11,831.000	
0174	643.0920	Traffic Control Covering Signs Type II	EACH	555.000	555.000	
0176	643.1000	Traffic Control Signs Fixed Message	SF	214.000	214.000	
0178	643.1050	Traffic Control Signs PCMS	DAY	28.000	28.000	
0180	643.3165	Temporary Marking Line Paint 6-Inch	LF	160,884.000	160,884.000	
0182	643.3820	Temporary Marking Stop Line Epoxy 18-Inch	LF	54.000	54.000	
0184	643.5000	Traffic Control	EACH	1.000	0.500	0.500
0186	645.0120	Geotextile Type HR	SY	134.000	75.000	59.000
0188	646.2040	Marking Line Grooved Wet Ref Epoxy 6-Inch	LF	149,013.000	149,013.000	
0190	646.5320	Marking Railroad Crossing Epoxy	EACH	2.000	2.000	
0192	646.6120	Marking Stop Line Epoxy 18-Inch	LF	27.000	27.000	
0194	648.0100	Locating No-Passing Zones	MI	1.100	1.100	
0196	650.4000	Construction Staking Storm Sewer	EACH	2.000	2.000	

					5620-00-72	5620-00-73
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0198	650.4500	Construction Staking Subgrade	LF	1,250.000		1,250.000
0200	650.5000	Construction Staking Base	LF	1,250.000		1,250.000
0202	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	624.000	624.000	
0204	650.6000	Construction Staking Pipe Culverts	EACH	7.000	5.000	2.000
0206	650.6501	Construction Staking Structure Layout (structure) 01. 3-FT X 2-FT Box Culvert	EACH	1.000	1.000	
0208	650.6501	Construction Staking Structure Layout (structure) 02. 2-FT X 2-FT Box Culvert	EACH	1.000	1.000	
0210	650.8000	Construction Staking Resurfacing Reference	LF	38,971.000	38,971.000	
0212	650.9911	Construction Staking Supplemental Control (project) 01. 5620-00-72	EACH	1.000	1.000	
0214	650.9911	Construction Staking Supplemental Control (project) 02. 5620-00-73	EACH	1.000		1.000
0216	650.9920	Construction Staking Slope Stakes	LF	1,250.000		1,250.000
0218	690.0150	Sawing Asphalt	LF	1,777.000	1,717.000	60.000
0220	690.0250	Sawing Concrete	LF	16.000	16.000	
0222	740.0440	Incentive IRI Ride	DOL	20,111.000	20,111.000	
0224	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,400.000	2,400.000	
0226	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	2,160.000	2,160.000	
0228	SPV.0060	Special 01. Landmark Reference Monuments	EACH	1.000	1.000	
0230	SPV.0060	Special 02. Site Mowing	EACH	3.000	3.000	
0232	SPV.0090	Special 01. Ditch Cleaning	LF	700.000	700.000	
0234	SPV.0180	Special 01. Reprocess and Relay	SY	133,895.000	133,895.000	
0236	SPV.0180	Special 02. Weed Free Mulch	SY	23,442.000	21,205.000	2,237.000

DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	205.0100 COMMON EXCAVATION (1) EBS EXCAVATION (3)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	UNEXPANDED FILL	EXPANDED FILL (13) FACTOR 1.15	MASS ORDINATE +/- (14)	WASTE	208.0100 BORROW	COMMENT
DIVISION 1 - BEAM GUARD - LT (5620-00-72; CATEGORY 0010)												
STA 249+32 - STA 263+57	249+31.55/263+57.21	LT	159	-	-	159	4	5	154			
STA 406+67 - STA 411+55	406+66.52/411+54.65	LT	109	-	-	109	14	16	93			
STA 414+34 - STA 419+37	414+34.00/419+37.28	LT	136	-	-	136	16	18	118			
STA 431+62 - STA 435+24	431+61.99/435+24.46	LT	68	-	-	68	9	10	58			
STA 448+94 - STA 451+34	448+94.25/451+33.93	LT	50	-	-	50	5	6	44			
STA 452+81 - STA 455+34	452+80.91/455+34.25	LT	53	-	-	53	21	24	29			
STA 491+31 - STA 496+76	491+30.56/496+76.14	LT	93	-	-	93	5	6	87			
DIVISION 1 SUBTOTAL (5620-00-72; CATEGORY 0010)			668	-	-	668	74	85	583	583	-	
DIVISION 2 - BEAM GUARD - RT (5620-00-72; CATEGORY 0010)												
STA 406+62 - STA 409+79	406+62.14/409+79.44	RT	68	-	-	68	2	2	66			
STA 414+44 - STA 419+26	414+44.00/419+26.46	RT	110	-	-	110	8	9	101			
STA 430+76 - STA 433+31	430+76.28/433+30.69	RT	54	-	-	54	-	-	54			
R STA 448+94 - STA 451+34	448+94.25/451+33.93	RT	54	-	-	54	1	1	53			
STA 452+81 - STA 454+58	452+80.91/454+57.60	RT	31	-	-	31	5	6	25			
DIVISION 2 SUBTOTAL (5620-00-72; CATEGORY 0010)			317	-	-	317	16	18	299	299	-	
DIVISION 3 - HSIP CURVE (5620-00-73; CATEGORY 0010)												
STA 303+00 - STA 315+50	303+00.00/315+50.00	HSIP CURVE	2,925	-	-	2,925	93	107	2,818			
STA 308+00		HSIP - FRENCH DRAIN	3	-	-	3	-	-	3			
STA 310+50		HSIP - FRENCH DRAIN	3	-	-	3	-	-	3			
DIVISION 3 SUBTOTAL (5620-00-73; CATEGORY 0010)			2,931	-	-	2,925	93	107	2,824	2,824	-	
DIVISION 4 - PATH SECTION (5620-00-72; CATEGORY 0010)												
STA 497+50 - STA 502+46	497+50.00/502+45.81	PATH SECTION	418	-	-	418	94	108	310			
DIVISION 4 SUBTOTAL (5620-00-72; CATEGORY 0010)			418	-	-	418	94	108	310	310	-	
DIVISION 1, 2, & 4 TOTAL (5620-00-72; CATEGORY 0010)			1,403	-	-	1,403	184	211	1,192	1,192	-	
DIVISION 3 TOTAL (5620-00-73; CATEGORY 0010)			2,931		-	2,925	93	107	2,824	2,824	-	
FRENCH DRAIN			24	-								
CULVERT REPLACEMENTS			1,367	-								
UNDISTRIBUTED			-	4,464								
TOTAL COMMON EXCAVATION			10,189									

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 BASE AGGREGATE DENSE 1 1/4-INCH
(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL
(5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL
(13) EXPANDED FILL FACTOR = 1.15 EXPANDED FILL = (UNEXPANDED FILL) *(FILL FACTOR)
(14) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.
(15) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

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PWL Mixture Use Table

Description	Station	To	Station	Mixture Use	Underlying Surface	Bid Item	Tons	Thickness	Quality Management Program to Use	
									Mixture Acceptance	Density Acceptance
11ft Driving Lane	100+25	TO	303+00	Lower Layer	Reprocess and Relay of existing asphaltic pavement and aggregate	HMA Pavement 3LT 58-28 S	6588	2 1/4"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
	100+25	TO	303+00	Upper Layer	3LT 58-28 S	HMA Pavement 4LT 58-28 S	3758.316	1 3/4"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
4ft Paved Shoulder	100+25	TO	303+00	Lower Layer	Reprocess and Relay of existing asphaltic pavement and aggregate	HMA Pavement 3LT 58-28 S	1756.756	2 1/4"	PWL Incentive Air Voids HMA Pavement 460.2010	Department Acceptance (SS 460.3.3.2) *Not eligible for incentive
	100+25	TO	303+00	Upper Layer	4LT 58-28 S	HMA Pavement 4LT 58-28 S	1366.663	1 3/4"	PWL Incentive Air Voids HMA Pavement 460.2010	Department Acceptance (SS 460.3.3.2) *Not eligible for incentive
12ft Driving Lane	303+00	TO	315+50	Lower Layer	16" Base Aggregate Dense 1 1/4 Inch	HMA Pavement 3LT 58-28 S	395.3125	2 1/4"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
	303+00	TO	315+50	Upper Layer	3LT 58-28 S	HMA Pavement 4LT 58-28 S	307.4653	1 3/4"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
5ft Paved Shoulder	303+00	TO	315+50	Lower Layer	16" Base Aggregate Dense 1 1/4 Inch	HMA Pavement 3LT 58-28 S	179.6875	2 1/4"	PWL Incentive Air Voids HMA Pavement 460.2010	Department Acceptance (SS 460.3.3.2) *Not eligible for incentive
	303+00	TO	315+50	Upper Layer	3LT 58-28 S	HMA Pavement 4LT 58-28 S	139.7569	1 3/4"	PWL Incentive Air Voids HMA Pavement 460.2010	Department Acceptance (SS 460.3.3.2) *Not eligible for incentive
11ft Driving Lane	315+50	TO	497+00	Lower Layer	Reprocess and Relay of existing asphaltic pavement and aggregate	HMA Pavement 3LT 58-28 S	6024	2 1/4"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
	315+50	TO	497+00	Upper Layer	3LT 58-28 S	HMA Pavement 4LT 58-28 S	4687	1 3/4"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
4ft Paved Shoulder	315+50	TO	497+00	Lower Layer	Reprocess and Relay of existing asphaltic pavement and aggregate	HMA Pavement 3LT 58-28 S	5459	2 1/4"	PWL Incentive Air Voids HMA Pavement 460.2010	Department Acceptance (SS 460.3.3.2) *Not eligible for incentive
	315+50	TO	497+00	Upper Layer	3LT 58-28 S	HMA Pavement 4LT 58-28 S	4247	1 3/4"	PWL Incentive Air Voids HMA Pavement 460.2010	Department Acceptance (SS 460.3.3.2) *Not eligible for incentive
11ft Driving Lane	497+00	TO	502+40	Lower Layer	Reprocess and Relay of existing asphaltic pavement and aggregate	HMA Pavement 3LT 58-28 S	297	2 1/4"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
	497+00	TO	502+40	Upper Layer	3LT 58-28 S	HMA Pavement 4LT 58-28 S	231	1 3/4"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
4ft Paved Shoulder	497+00	TO	502+40	Lower Layer	Reprocess and Relay of existing asphaltic pavement and aggregate	HMA Pavement 3LT 58-28 S	9	2 1/4"	PWL Incentive Air Voids HMA Pavement 460.2010	Department Acceptance (SS 460.3.3.2) *Not eligible for incentive
	497+00	TO	502+40	Upper Layer	3LT 58-28 S	HMA Pavement 4LT 58-28 S	7	1 3/4"	PWL Incentive Air Voids HMA Pavement 460.2010	Department Acceptance (SS 460.3.3.2) *Not eligible for incentive
9ft Paved Shoulder	497+00	TO	502+40	Lower Layer	12" Base Aggregate Dense 1 1/4 Inch	HMA Pavement 3LT 58-28 S	77	2 1/4"	PWL Incentive Air Voids HMA Pavement 460.2010	Department Acceptance (SS 460.3.3.2) *Not eligible for incentive
	497+00	TO	502+40	Upper Layer	3LT 58-28 S	HMA Pavement 4LT 58-28 S	43	1 3/4"	PWL Incentive Air Voids HMA Pavement 460.2010	Department Acceptance (SS 460.3.3.2) *Not eligible for incentive

*ADDITIONAL QUANTITY ELSEWHERE

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REMOVALS

CATEGORY	STATION	TO	STATION	LOCATION	* 204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	* 690.0150 SAWING ASPHALT LF	201.022 GRUBBING ID	REMARKS
0010	100+25	-	177+25	STH 78 TO HALWEG RD	22,406	92	-	
0010	177+25	-	231+00	HALWEG RD TO LAKE RD	16,304	70	-	
0010	231+00	-	275+50	LAKE RD TO SOLUM LN	14,358	100	-	
0010	275+50	-	303+00	SOLUMN LN TO HSIP CURVE	8,150	47	-	
0010	315+50	-	336+25	HSIP CURVE TO TOWER RD	6,560	29	-	
0010	336+25	-	396+50	TOWER RD TO STEINKE RD	18,115	214	-	
0010	396+50	-	469+75	STEINKE RD TO MANCHESTER RD	23,619	643	-	
0010	469+75	-	502+46	MANCHESTER RD TO MOUND ST	11,043	402	-	
				5620-00-72 TOTAL 0010	120,555	1,597	-	
0010	303+00	-	315+50	HSIP CURVE	-	-	91	
				5620-00-73 TOTAL 0010	-	-	91	
				5620-00-72 TOTAL	120,555	1,597	-	
				5620-00-73 TOTAL	-	-	91	
				PROJECT TOTAL	120,555	1,597	91	

PREPARE FOUNDATION

CATEGORY	STATION	TO	STATION	LOCATION	211.0500 PREPARE FOUNDATION FOR BASE AGGREGATE STA	REMARKS
0010	497+00	-	502+40	PROJECT 5620-00-72	5.4	
				5620-00-72 TOTAL 0010	5.4	
0020	100+25	-	502+46	PROJECT 5620-00-72	-	
				5620-00-72 TOTAL 0020	-	
0010	303+00	-	315+50	HSIP CURVE	-	
				5620-00-73 TOTAL 0010	-	
				5620-00-72 TOTAL	5.4	
				5620-00-73 TOTAL	-	
				PROJECT TOTAL	5.4	

ROAD AGGREGATE ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	* 305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	312.0110 SELECT CRUSHED MATERIAL TON	SPV.0180.01 SPECIAL (01. REPROCESS AND RELAY) SY	REMARKS
0010	100+25	-	177+25	STH 78 TO HALWEG RD	-	-	-	19,015	
0010	177+25	-	231+00	HALWEG RD TO LAKE RD	-	-	-	13,748	
0010	231+00	-	275+50	LAKE RD TO SOLUM LN	91	627	31	11,255	5 FRENCH DRAINS
0010	275+50	-	303+00	SOLUMN LN TO HSIP CURVE	-	-	-	6,895	
0010	315+50	-	336+25	HSIP CURVE TO TOWER RD	-	-	-	5,555	
0010	336+25	-	396+50	TOWER RD TO STEINKE RD	-	-	-	15,146	
0010	396+50	-	469+75	STEINKE RD TO MANCHESTER RD	347	2,495	-	19,191	
0010	469+75	-	502+46	MANCHESTER RD TO MOUND ST	44	608	-	8,669	
0010	100+25	-	502+46	UNDISTRIBUTED	-	9,612	-	-	EBS
				5620-00-72 TOTAL 0010	482	13,342	31	99,474	
0020	100+25	-	177+25	STH 78 TO HALWEG RD	533	-	-	6,845	
0020	177+25	-	231+00	HALWEG RD TO LAKE RD	372	-	-	4,778	
0020	231+00	-	275+50	LAKE RD TO SOLUM LN	308	-	-	3,956	
0020	275+50	-	303+00	SOLUMN LN TO HSIP CURVE	191	-	-	2,445	
0020	315+50	-	336+25	HSIP CURVE TO TOWER RD	144	-	-	1,845	
0020	336+25	-	396+50	TOWER RD TO STEINKE RD	417	-	-	5,356	
0020	396+50	-	469+75	STEINKE RD TO MANCHESTER RD	507	-	-	6,512	
0020	469+75	-	502+46	MANCHESTER RD TO MOUND ST	227	-	-	2,684	
0020	100+25	-	502+46	UNDISTRIBUTED	-	2,295	-	-	
				5620-00-72 TOTAL 0020	2,699	2,295	-	34,421	
0010	303+00	-	315+50	HSIP CURVE	87	3,951	328	-	
				5620-00-73 TOTAL 0010	87	3,951	328	-	
				5620-00-72 TOTAL	3,181	15,637	31	133,895	
				5620-00-73 TOTAL	87	3,951	328	-	
				PROJECT TOTAL	3,268	19,588	359	133,895	

*ADDITIONAL QUANTITY ELSEWHERE

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ROAD ASPHALT ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	455.0605 TACK COAT GAL	460.5223 HMA PAVEMENT 3 LT 58-28 S TON	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	465.0520 ASPHALTIC RUMBLE STRIPS, SHOULDER LF	465.0560 ASPHALTIC RUMBLE STRIPS, CENTERLINE LF	REMARKS
0010	100+25	-	177+25	STH 78 TO HALWEG RD	1,332	2,460	1,914	-	7,700	
0010	177+25	-	231+00	HALWEG RD TO LAKE RD	963	1,779	1,384	-	5,375	
0010	231+00	-	275+50	LAKE RD TO SOLUM LN	788	1,457	1,133	-	4,450	
0010	275+50	-	303+00	SOLUMN LN TO HSIP CURVE	483	892	694	-	2,750	
0010	315+50	-	336+25	HSIP CURVE TO TOWER RD	389	719	559	-	2,075	
0010	336+25	-	396+50	TOWER RD TO STEINKE RD	1,061	1,960	1,525	-	6,025	
0010	396+50	-	469+75	STEINKE RD TO MANCHESTER RD	1,344	2,483	1,932	-	7,325	
0010	469+75	-	502+46	MANCHESTER RD TO MOUND ST	627	1,158	901	-	3,271	
				5620-00-72 TOTAL 0010	6,987	12,908	10,042	-	38,971	
0020	100+25	-	177+25	STH 78 TO HALWEG RD	480	886	689	-	-	
0020	177+25	-	231+00	HALWEG RD TO LAKE RD	335	619	481	-	-	
0020	231+00	-	275+50	LAKE RD TO SOLUM LN	277	512	399	-	-	
0020	275+50	-	303+00	SOLUMN LN TO HSIP CURVE	172	317	246	-	-	
0020	315+50	-	336+25	HSIP CURVE TO TOWER RD	130	239	186	-	-	
0020	336+25	-	396+50	TOWER RD TO STEINKE RD	375	693	539	-	-	
0020	396+50	-	469+75	STEINKE RD TO MANCHESTER RD	456	843	656	-	-	
0020	469+75	-	502+46	MANCHESTER RD TO MOUND ST	204	377	293	-	-	
				5620-00-72 TOTAL 0020	2,429	4,486	3,489	-	-	
0010	303+00	-	315+50	HSIP CURVE	312	575	448	2,500	1,250	
				5620-00-73 TOTAL 0010	312	575	448	2,500	1,250	
				5620-00-72 TOTAL	9416	17394	13531	-	38,971	
				5620-00-73 TOTAL	312	575	448	2,500	1,250	
				PROJECT TOTAL	9,728	17,969	13,979	2,500	40,221	

PATH ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	204.0110 REMOVING ASPHALTIC SURFACE SY	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	465.0105 ASPHALTIC SURFACE TON	REMARKS
0010	100+25	-	177+25	STH 78 TO HALWEG RD	-	-	-	
0010	177+25	-	231+00	HALWEG RD TO LAKE RD	-	-	-	
0010	231+00	-	275+50	LAKE RD TO SOLUM LN	-	-	-	
0010	275+50	-	303+00	SOLUMN LN TO HSIP CURVE	-	-	-	
0010	315+50	-	336+25	HSIP CURVE TO TOWER RD	-	-	-	
0010	336+25	-	396+50	TOWER RD TO STEINKE RD	-	-	-	
0010	396+50	-	469+75	STEINKE RD TO MANCHESTER RD	-	-	-	
0010	469+75	-	502+46	MANCHESTER RD TO MOUND ST	323	219	58	
				5620-00-72 TOTAL 0010	323	219	58	
0020	100+25	-	502+46	PROJECT 5620-00-72	-	-	-	
				5620-00-72 TOTAL 0020	-	-	-	
0010	303+00	-	315+50	HSIP CURVE	-	-	-	
				5620-00-73 TOTAL 0010	-	-	-	
				5620-00-72 TOTAL	323	219	58	
				5620-00-73 TOTAL	-	-	-	
				PROJECT TOTAL	323	219	58	

*ADDITIONAL QUANTITY ELSEWHERE

DRIVEWAY ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	* 204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	* 305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	REMARKS
0010	100+25	-	177+25	STH 78 TO HALWEG RD				
			108+87	RT	-	2	-	
			118+46	LT	-	2	-	
			119+43	LT	-	3	-	
			119+84	RT	-	2	-	
			120+37	LT	16	-	3	
			125+55	LT	-	2	-	
			130+49	RT	-	3	-	
			138+36	LT	-	2	-	
			147+31	LT	-	2	-	
			153+42	RT	-	2	-	
			158+84	LT	-	3	-	
			170+80	RT	-	2	-	
			175+87	RT	-	1	-	
0010	177+25	-	231+00	HALWEG RD TO LAKE RD		-		
			182+47	RT	-	3	-	
			198+44	RT	-	3	-	
			219+71	LT	-	4	-	
			219+88	RT	-	2	-	
			228+17	RT	-	3	-	
0010	231+00	-	275+50	LAKE RD TO SOLUM LN		-		
			232+15	RT	28	-	5	
			234+77	RT	-	1	-	
			248+48	RT	15	-	3	
			262+90	RT	14	-	3	
			263+98	RT	-	3	-	
			272+97	RT	-	2	-	
0010	275+50	-	303+00	SOLUMN LN TO HSIP CURVE		-		
			275+88	LT	-	2	-	
			286+78	RT	15	-	3	
			291+83	RT	-	3	-	
			296+20	LT	-	2	-	
			297+89	LT	-	3	-	
0010	303+00	-	315+50	HSIP CURVE		-		
			310+32	RT	-	9	-	
0010	315+50	-	336+25	HSIP CURVE TO TOWER RD		-		
			323+75	RT	-	2	-	
0010	336+25	-	396+50	TOWER RD TO STEINKE RD		-		
			361+16	LT	-	2	-	
			365+13	RT	12	-	2	
			375+63	LT	-	2	-	
			376+59	LT	-	3	-	
			376+83	RT	-	2	-	
			378+15	LT	12	-	3	
			381+74	RT	12	-	3	
			382+30	LT	-	2	-	
			384+90	LT	15	-	3	
			386+41	LT	18	-	3	
			389+75	LT	16	-	3	
			390+00	RT	15	-	3	
			393+37	LT	18	-	4	

*ADDITIONAL QUANTITY ELSEWHERE

DRIVEWAY ITEMS (CONTINUED)

CATEGORY	STATION	TO	STATION	LOCATION	* 204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	* 305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	REMARKS
0010	396+50	-	469+75	STEINKE RD TO MANCHESTER RD				
			400+36	RT	20	-	4	
			403+58	RT	-	2	-	
			407+47	RT	28	-	5	
			407+70	LT	-	6	-	
			409+66	RT	19	-	4	
			411+69	LT	13	-	3	
			412+78	RT	-	3	-	
			415+35	LT	37	-	7	
			419+49	RT	20	-	4	
			420+19	LT	13	-	3	
			421+34	LT	19	-	4	
			422+97	LT	-	1	-	
			425+82	RT	-	4	-	
			427+64	LT	-	2	-	
			428+93	RT	15	-	3	
			431+91	LT	-	3	-	
			432+77	RT	-	4	-	
			436+40	LT	32	-	6	
			438+04	LT	28	-	5	
			439+06	RT	10	-	2	
			440+29	LT	24	-	4	
			441+65	RT	-	2	-	
			443+32	LT	-	2	-	
			444+01	RT	19	-	4	
			446+45	LT	20	-	4	
			447+31	RT	25	-	5	
			453+80	RT	-	3	-	
			453+98	LT	-	2	-	
			459+57	LT	17	-	3	
			464+93	LT	15	-	3	
			465+72	LT	13	-	3	
			467+32	RT	24	-	4	
0010	469+75	-	502+46	MANCHESTER RD TO MOUND ST				
			469+85	RT	30	-	5	
			472+28	LT	11	-	2	
			476+32	RT	22	-	4	
			483+18	LT	-	2	-	
			484+84	LT	19	-	4	
			488+65	RT	26	-	5	
			489+67	RT	27	-	5	
			492+14	LT	38	-	7	
			497+93	RT	14	-	3	
			499+95	RT	8	-	2	
			500+10	RT	-	1	-	
				5620-00-72 TOTAL 0010	812	116	158	
0010	303+00	-	315+50	HSIP CURVE	-	-	-	
				5620-00-73 TOTAL 0010	-	-	-	
				5620-00-72 TOTAL	812	116	158	
				5620-00-73 TOTAL	-	-	-	
				PROJECT TOTAL	812	116	158	

*ADDITIONAL QUANTITY ELSEWHERE

3

3

CULVERTS

CATEGORY	STATION	TO	STATION	LOCATION	203.0100 REMOVING SMALL PIPE CULVERTS EACH	204.9060.S.01 REMOVING (01. EXISTING CULVERT ENDWALL) EACH	204.9090.S.01 REMOVING (01. 2-FT X 2-FT BOX CULVERT) LF	204.9090.S.02 REMOVING (02. 3-FT X 2-FT BOX CULVERT) LF	204.9090.S.03 REMOVING (03. SMALL CULVERT PIPE) LF	504.1001.S.01 PRECAST CONCRETE WINGWALLS (02. STA 273+16) EACH	504.1001.S.02 PRECAST CONCRETE WINGWALLS (02. STA 281+13) EACH	504.2000.S.01 PRECAST CONCRETE BOX CULVERT (01. 2-FT X 2-FT) LF	504.2000.S.02 PRECAST CONCRETE BOX CULVERT (02. 3-FT X 2-FT) LF	* 520.8000 CONCRETE COLLLARS FOR PIPE EACH	520.8700 CLEANING CULVERT PIPES EACH	521.1018 APRON ENDWALLS FOR CULVERT PIPE STEEL 18-INCH [1] EACH	REMARKS
0010	106+60			L	-	-	-	-	-	-	-	-	-	-	1	-	
0010	125+00			L/R	-	-	-	-	-	-	-	-	-	-	-	-	
0010	132+50			L/R	-	-	-	-	-	-	-	-	-	-	1	-	
0010	145+50			L/R	-	-	-	-	-	-	-	-	-	-	1	-	
0010	150+30			L/R	-	-	-	-	-	-	-	-	-	-	1	-	
0010	161+20			L/R	-	-	-	-	-	-	-	-	-	-	1	-	
0010	194+20			L/R	-	-	-	-	-	-	-	-	-	-	-	-	
0010	204+10			L/R	-	-	-	-	-	-	-	-	-	-	1	-	
0010	223+25			L/R	1	-	-	-	-	-	-	-	-	-	-	-	
0010	238+50			L/R	-	-	-	-	-	-	-	-	-	-	1	-	
0010	239+00			L	-	-	-	-	-	-	-	-	-	-	-	-	
0010	264+25			L/R	-	-	-	-	-	-	-	-	-	-	-	-	
0010	273+16			L/R	-	-	-	15	-	1	-	-	18	2	1	-	
0010	281+13			R	-	-	9	-	-	-	1	7	-	1	1	-	
0010	375+45			L	-	-	-	-	-	-	-	-	-	1	1	-	
0010	384+30			L/R	1	-	-	-	-	-	-	-	-	-	-	-	
0010	407+50			R	1	-	-	-	-	-	-	-	-	-	-	2	
0010	407+65			L	1	-	-	-	-	-	-	-	-	-	-	-	
0010	420+60			L	-	-	-	-	-	-	-	-	-	-	-	-	
0010	421+20			R	-	-	-	-	-	-	-	-	-	-	-	-	
0010	421+20			L	-	-	-	-	-	-	-	-	-	-	1	-	
0010	432+00			L	-	1	-	-	2	-	-	-	-	1	-	1	
0010	481+00			L/R	-	-	-	-	-	-	-	-	-	-	1	-	
				5620-00-72 TOTAL 0010	4	1	9	15	2	1	1	7	18	5	12	3	
0020	100+25	-	502+46	PROJECT 5620-00-72	-	-	-	-	-	-	-	-	-	-	-	-	
				5620-00-72 TOTAL 0020	-	-	-	-	-	-	-	-	-	-	-	-	
0010	305+40			R	-	1	-	-	7	-	-	-	-	1	-	-	
0010	310+80	-	311+20	L	-	-	-	-	-	-	-	-	-	-	-	-	
0010	311+10	-	311+50	L/R	1	-	-	-	-	-	-	-	-	-	-	-	
				5620-00-73 TOTAL 0010	1	1	-	-	7	-	-	-	-	1	-	-	
				5620-00-72 TOTAL	4	1	9	15	2	1	1	7	18	5	12	3	
				5620-00-73 TOTAL	1	1	-	-	7	-	-	-	-	1	-	-	
				PROJECT TOTAL	5	2	9	15	9	1	1	7	18	6	12	3	

[1]CULVERT MATERIAL TO BE 0.064" THICK

*ADDITIONAL QUANTITY ELSEWHERE

CULVERTS (CONTINUED)

CATEGORY	STATION	TO	STATION	LOCATION	521.1024 APRON ENDWALLS FOR CULVERT PIPE STEEL 24-INCH [1] EACH	521.1228 APRON ENDWALLS FOR PIPE ARCH STEEL 28X20-INCH [1] EACH	521.3118 CULVERT PIPE CORRUGATED STEEL 18-INCH [1] LF	521.3124 CULVERT PIPE CORRUGATED STEEL 24-INCH [1] LF	521.3728 PIPE ARCH CORRUGATED STEEL 28X20-INCH [1] LF	522.2419 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 19X30-INCH LF	522.2619 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 19X30-INCH EACH	606.0200 RIPRAP MEDIUM CY	633.5200 MARKERS CULVERT END EACH	645.0120 GEOTEXTILE TYPE HR SY	* 690.0150 SAWING ASPHALT LF	SPV.0090.01 SPECIAL (01. DITCH CLEANING) LF	REMARKS
0010	106+60			L	-	-	-	-	-	-	-	-	1	-	-	-	
0010	125+00			L/R	-	-	-	-	-	-	-	-	2	-	-	-	
0010	132+50			L/R	-	-	-	-	-	-	-	-	2	-	-	100	
0010	145+50			L/R	-	-	-	-	-	-	-	-	-	-	-	100	
0010	150+30			L/R	-	-	-	-	-	-	-	-	1	-	-	100	
0010	161+20			L/R	-	-	-	-	-	-	-	-	-	-	-	100	
0010	194+20			L/R	-	-	-	-	-	-	-	-	1	-	-	-	
0010	204+10			L/R	-	-	-	-	-	-	-	-	-	-	-	100	
0010	223+25			L/R	2	-	-	48	-	-	-	-	-	-	60	-	
0010	238+50			L/R	-	-	-	-	-	-	-	-	-	-	-	-	
0010	239+00			L	-	-	-	-	-	-	-	-	-	-	-	100	
0010	264+25			L/R	-	-	-	-	-	-	-	-	1	-	-	-	
0010	273+16			L/R	-	-	-	-	-	-	-	7	-	17	-	-	
0010	281+13			R	-	-	-	-	-	-	-	9	-	23	-	-	
0010	375+45			L	-	1	-	-	-	-	-	5	-	13	-	-	
0010	384+30			L/R	-	2	-	-	46	-	-	9	-	22	60	-	
0010	407+50			R	-	-	20	-	-	-	-	-	-	-	-	-	
0010	407+65			L	2	-	-	25	-	-	-	-	-	-	-	-	
0010	420+60			L	-	-	-	-	-	-	-	-	-	-	-	85	
0010	421+20			R	-	-	-	-	-	-	-	-	-		-	15	
0010	421+20			L	-	-	-	-	-	-	-	-	1	-	-	-	
0010	432+00			L	-	-	10	-	-	-	-	-	-	-	-	-	
0010	481+00			L/R	-	-	-	-	-	-	-	-	-	-	-	-	
				5620-00-72 TOTAL 0010	4	3	30	73	46	-	-	30	9	75	120	700	
0020	100+25	-	502+46	PROJECT 5620-00-72	-	-	-	-	-	-	-	-	-	-		-	
				5620-00-72 TOTAL 0020	-	-	-	-	-	-	-	-	-	-		-	
0010	305+40			R	1	-	-	12	-	-	-	5	-	12	-	-	
0010	310+80	-	311+20	L	-	-	-	-	-	-	-	15	-	36	-	-	
0010	311+10	-	311+50	L/R	-	-	-	-	-	72	2	5	-	11	60	-	
				5620-00-73 TOTAL 0010	1	-	-	12	-	72	2	25	-	59	60	-	
				5620-00-72 TOTAL	4	3	30	73	46	-	-	30	9	75	120	700	
				5620-00-73 TOTAL	1	-	-	12	-	72	2	25	-	59	60	-	
				PROJECT TOTAL	5	3	30	85	46	72	2	55	9	134	180	700	

[1]CULVERT MATERIAL TO BE 0.064" THICK

*ADDITIONAL QUANTITY ELSEWHERE

3

CURB & GUTTER ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	204.0150 REMOVING CURB & GUTTER LF	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	690.0250 SAWING CONCRETE LF	REMARKS
0010	212+00	-	213+00	RT	-	-	-	8	
0010	497+12	-	502+45	LT	99	115	529	5	
0010	501+99	-	502+45	RT	47	9	95	3	
				5620-00-72 TOTAL 0010	146	124	624	16	
0010	303+00	-	315+50	HSIP CURVE	-	-	-	-	
				5620-00-73 TOTAL 0010	-	-	-	-	
				5620-00-72 TOTAL	146	124	624	16	
				5620-00-73 TOTAL	-	-	-	-	
				PROJECT TOTAL	146	124	624	16	

ASPHALTIC FLUMES

CATEGORY	STATION	OFFSET	SIDE	LOCATION	465.0315 ASPHALTIC FLUMES SY	REMARKS
0010	21200.00	21.8'	RT	STH 113/CTH DL	11	
0010	21264.00	92.7'	RT	STH 113/CTH DL	21	
0010	21296.00	68.9'	RT	STH 113/CTH DL	14	
				TOTAL 0010	46	

GUARDRAIL ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	204.0165 REMOVING GUARDRAIL LF	614.2300 MGS GUARDRAIL 3 LF	614.2330 MGS GUARDRAIL 3 K LF	614.2340 MGS GUARDRAIL 3 L LF	614.2350 MGS GUARDRAIL SHORT RADIUS LF	614.2500 MGS THRIE BEAM TRANSITION LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH	614.2630 MGS GUARDRAIL SHORT RADIUS TERMINAL EACH	REMARKS
0010	250+50	-	262+40	LT	1,172	-	1,088	-	-	-	2	-	
0010	408+15	-	410+25	LT	150	-	-	100	-	-	2	-	
0010	408+10	-	409+40	RT	110	-	-	73	21	-	1	1	
0010	415+80	-	417+90	LT	175	-	-	100	-	-	2	-	
0010	415+90	-	418+00	RT	175	-	-	100	-	-	2	-	
0010	432+00	-	433+75	LT	150	-	-	113	21	-	1	1	
0010	431+30	-	432+55	RT	86	-	-	60	21	-	1	1	
0010	450+40	-	451+30	LT	90	-	-	-	-	40	1	-	
0010	450+40	-	451+30	RT	90	-	-	-	-	40	1	-	
0010	452+75	-	453+75	LT	90	-	-	-	-	40	1	-	
0010	452+75	-	453+75	RT	64	38	-	-	41	40	-	1	
0010	492+50	-	496+50	LT	263	-	305	-	-	-	2	-	
				5620-00-72 TOTAL 0010	2,615	38	1,393	546	104	160	16	4	
0020	100+25	-	502+46	PROJECT 5620-00-72	-	-	-	-	-	-	-	-	
				5620-00-72 TOTAL 0020	-	-	-	-	-	-	-	-	
0010	303+00	-	315+50	HSIP CURVE	-	-	-	-	-	-	-	-	
				5620-00-73 TOTAL 0010	-	-	-	-	-	-	-	-	
				5620-00-72 TOTAL	2,615	38	1,393	546	104	160	16	4	
				5620-00-73 TOTAL	-	-	-	-	-	-	-	-	
				PROJECT TOTAL	2,615	38	1,393	546	104	160	16	4	

*ADDITIONAL QUANTITY ELSEWHERE

3

DRAINAGE STRUCTURES

CATEGORY	STATION	SIDE	LOCATION	* 520.8000 CONCRETE COLLARS FOR PIPE EACH	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	611.0410 RECONSTRUCTING CATCH BASINS EACH	611.0624 INLET COVERS TYPE H EACH	611.1230 CATCH BASINS 2X3-FT EACH	REMARKS
0010	498+80	RT	WASHINGTON AVE	1	8	-	1	1	
0010	502+10	LT	STH 113	-	-	1	-	-	
0010	502+10	RT	STH 113	-	-	1	-	-	
			5620-00-72 TOTAL 0010	1	8	2	1	1	
0020	100+25	- 502+46	PROJECT 5620-00-72	-	-	-	-	-	
			5620-00-72 TOTAL 0020	-	-	-	-	-	
0010			HSIP CURVE	-	-	-	-	-	
			5620-00-73 TOTAL 0010	-	-	-	-	-	
			5620-00-72 TOTAL	1	8	2	1	1	
			5620-00-73 TOTAL	-	-	-	-	-	
			PROJECT TOTAL	1	8	2	1	1	

EROSION CONTROL ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	625.0100 TOPSOIL SY	627.0200 MULCHING SY	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	628.7010 INLET PROTECTION TYPE B EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	REMARKS
0010	100+25	-	113+30	STH 78 TO BEE HABITAT	2,030	1,244	-	-	16	3	-	-	-	-	
0010	113+30	-	177+25	BEE HABITAT TO HALWEG RD	9,948	8,618	78	78	-	-	-	-	-	-	
0010	177+25	-	231+00	HALWEG RD TO LAKE RD	8,362	4,181	66	66	-	-	-	-	-	-	
0010	231+00	-	275+50	LAKE RD TO SOLUM LN	6,923	3,199	1,530	1,530	-	-	-	-	-	7	
0010	275+50	-	303+00	SOLUMN LN TO HSIP CURVE	4,278	-	49	49	-	-	-	-	-	3	
0010	315+50	-	336+25	HSIP CURVE TO TOWER RD	3,228	3,228	-	-	-	-	-	-	19	-	
0010	336+25	-	373+20	TOWER RD TO STEINKE RD	5,748	1,260	-	-	-	-	-	-	-	6	
0010	373+20	-	396+50	BEE HABITAT TO STEINKE RD	3,625	3,625	-	-	-	-	-	-	-	10	
0010	396+50	-	447+24	STEINKE RD TO DNR PARCEL	7,893	6,861	483	483	-	-	1,033	-	222	12	
0010	401+20	-	430+00	RPBB HABITAT ZONE	4,472	-	-	-	-	-	-	-	-	-	
0010	432+00	-	434+00	RPBB HABITAT ZONE	724	312	-	-	-	-	-	-	-	-	
0010	447+24	-	451+38	DEPT OF NAT. RESOURCES	644	512	548	548	-	-	133	-	19	-	
0010	451+40	-	452+24	DEPT OF NAT. RESOURCES	131	131	-	-	-	-	-	-	-	-	
0010	452+24	-	469+75	DNR PARCEL TO MANCHESTER RD	2,724	2,453	297	297	-	-	272	-	-	3	
0010	469+75	-	502+46	MANCHESTER RD TO MOUND ST	5,089	4,552	934	934	-	-	537	2	-	3	
0010	470+00	-	481+00	RPBB HABITAT ZONE	1,669	-	-	-	-	-	-	-	-	-	
0010	490+30	-	502+46	RPBB HABITAT ZONE	1,657	-	-	-	-	-	-	-	-	-	
0010	100+25	-	502+46	UNDISTRIBUTED	10,372	6,027	598	598	3	1	297	1	39	7	
				5620-00-72 TOTAL 0010	79,517	46,203	4,583	4,583	19	4	2,272	3	299	51	
0020	100+25	-	502+46	PROJECT 5620-70-72	-	-	-	-	-	-	-	-	-	-	
				5620-70-72 TOTAL 0020	-	-	-	-	-	-	-	-	-	-	
0010	303+00	-	315+50	HSIP CURVE	3,303	-	1,303	1,303	-	-	3,303	-	278	3	
0010	303+00	-	315+50	UNDISTRIBUTED	496	-	196	196	-	-	496	-	42	1	
				5620-70-73 TOTAL 0010	3,799	-	1,499	1,499	-	-	3,799	-	320	4	
				5620-00-72 TOTAL	79,517	46,203	4,583	4,583	19	4	2,272	3	299	51	
				5620-00-73 TOTAL	3,799	-	1,499	1,499	-	-	3,799	-	320	4	
				PROJECT TOTAL	83,316	46,203	6,082	6,082	19	4	6,071	3	619	55	

*ADDITIONAL QUANTITY ELSEWHERE

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EROSION CONTROL ITEMS (CONTINUED)

CATEGORY	STATION	TO	STATION	LOCATION	629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIXTURE NO.30 LB	630.0170 SEEDING MIXTURE NO. 70 LB	630.0400 SEEDING NURSE CROP LB	630.0500 SEED WATER MGAL	SPV.0180.02 SPECIAL (02. WEED FREE MULCH) SY	REMARKS
0010	100+25	-	113+30	STH 78 TO BEE HABITAT	2	92	-	-	46	787	
0010	113+30	-	177+25	BEE HABITAT TO HALWEG RD	7	-	36	72	224	1,290	
0010	177+25	-	231+00	HALWEG RD TO LAKE RD	6	-	31	61	188	3,902	
0010	231+00	-	275+50	LAKE RD TO SOLUM LN	5	-	25	50	156	3,724	
0010	275+50	-	303+00	SOLUMN LN TO HSIP CURVE	3	-	16	31	97	4,248	
0010	315+50	-	336+25	HSIP CURVE TO TOWER RD	3	-	12	24	73	-	
0010	336+25	-	373+20	TOWER RD TO STEINKE RD	4	-	21	42	130	4,488	
0010	373+20	-	396+50	BEE HABITAT TO STEINKE RD	3	164	-	-	82	-	
0010	396+50	-	447+24	STEINKE RD TO DNR PARCEL	5	356	-	-	178	-	
0010	401+20	-	430+00	RPBB HABITAT ZONE	3	-	17	33	101	-	
0010	432+00	-	434+00	RPBB HABITAT ZONE	1	-	3	6	17	-	
0010	447+24	-	451+38	DEPT OF NAT. RESOURCES	1	-	3	5	15	-	
0010	451+40	-	452+24	DEPT OF NAT. RESOURCES	1	-	1	1	3	-	
0010	452+24	-	469+75	DNR PARCEL TO MANCHESTER RD	2	123	-	-	62	-	
0010	469+75	-	502+46	MANCHESTER RD TO MOUND ST	4	229	-	-	115	-	
0010	470+00	-	481+00	RPBB HABITAT ZONE	2	-	7	13	38	-	
0010	490+30	-	502+46	RPBB HABITAT ZONE	2	-	6	12	38	-	
0010	100+25	-	502+46	UNDISTRIBUTED	9	145	27	53	235	2,766	
				5620-00-72 TOTAL 0010	63	1,109	205	403	1,798	21,205	
0020	100+25	-	502+46	PROJECT 5620-70-72	-	-	-	-	-	-	
				5620-70-72 TOTAL 0020	-	-	-	-	-	-	
0010	303+00	-	315+50	HSIP CURVE	3	-	12	24	75	1,945	
0010	303+00	-	315+50	UNDISTRIBUTED	1	-	2	4	12	292	
				5620-70-73 TOTAL 0010	4	-	14	28	87	2,237	
				5620-00-72 TOTAL	63	1,109	205	403	1,798	21,205	
				5620-00-73 TOTAL	4	-	14	28	87	2,237	
				PROJECT TOTAL	67	1,109	219	431	1,885	23,442	

SITE MOWING

CATEGORY	STATION	TO	STATION	LOCATION	SPV.0060.02 SPECIAL (02. SITE MOWING) EACH	REMARKS
0010	100+25	-	502+46	PROJECT 5620-00-72	3	
				5620-00-72 TOTAL 0010	3	
0020	100+25	-	502+46	PROJECT 5620-00-72	-	
				5620-00-72 TOTAL 0020	-	
0010	303+00	-	315+50	PROJECT 5620-00-73	-	
				5620-00-73 TOTAL 0010	-	
				5620-00-72 TOTAL	3	
				5620-00-73 TOTAL	-	
				PROJECT TOTAL	3	

*ADDITIONAL QUANTITY ELSEWHERE

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PERMANENT SIGNING

CATEGORY	SIGN NO.	STATION	OFFSET	SIGN CODE	SIGN SIZE W [IN.]	X	H [IN.]	634.0618 POSTS WOOD 4X6-INCH X 18-FT EACH	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	SIGN MESSAGE	REMARKS
0010	1	211+45	23.6' RT	W16-9P	24	X	12	-	2.00	-	-	-	-		
0010	2	211+45	23.6' RT	W11-2	30	X	30	1	6.25	-	-	-	-		
0010	3	219+00	19.1' LT	W16-7L	24	X	12	-	2.00	-	-	-	-		
0010	4	219+00	19.1' LT	W11-2	30	X	30	1	6.25	-	-	-	-		
0010	5	219+00	20.1' RT	W16-7L	24	X	12	-	2.00	-	-	-	-		
0010	6	219+00	20.1' RT	W11-2	30	X	30	1	6.25	-	-	-	-		
0010	7	226+49	17.9' LT	W16-9P	24	X	12	-	2.00	-	-	-	-		
0010	8	226+49	17.9' LT	W11-2	30	X	30	1	6.25	-	-	-	-		
0010	9	253+48	23.6' LT	W13-1P				-	-	1	-	-	-		
0010	10	253+48	23.6' LT	W1-5R				-	-	1	-	-	1		
0010	11	258+87	22.4' LT	W1-6				-	-	1	-	-	1		
0010	12	294+48	19.9' RT	W16-9P	24	X	12	-	2.00	-	-	-	-		
0010	13	294+48	19.9' RT	W11-2	30	X	30	1	6.25	-	-	-	-		
0010	14	301+65	22.4' RT	W13-1				-	-	-	1	-	-		
0010	15	301+65	22.4' RT	W1-2L				-	-	-	1	1	-		
0010	16	303+30	44.5' LT	S3-1				-	-	1	-	-	1		
0010	17	417+58	24.6' RT	R2-1				-	-	1	-	-	1		
0010	18	431+86	25.9' RT	J4-1				-	-	1	-	-	1	NORTH 113	
0010	19	451+26	18.7' LT	W5-52L				-	-	1	-	-	1		
0010	20	451+26	18.7' RT	W5-52R				-	-	1	-	-	1		
0010	21	452+81	19.3' LT	W5-52R				-	-	1	-	-	1		
0010	22	452+89	18.6' RT	W5-52L				-	-	1	-	-	1		
0010	23	453+35	24.2' RT					-	-	1	-	-	1	NO ENGINE BREAKING EXCEPT IN EMERGENCY	
0010	24	493+00	26.1' LT	W1-6				-	-	1	-	1	1		
0010	25	493+00	17.8' LT	J4-1				-	-	1	-	-	1	SOUTH 113	
0010	26	494+87	26' LT	R5-51				-	-	1	-	-	1		
0010	27	494+87	26' LT					-	-	1	-	-	1	MERRIMAC 10	
0010	-		UNDISTRIBUTED					5	25.00	5	5	5	5		
					5620-00-72 TOTAL 0010			10	66.25	20	7	7	19		
0020	-	100+25	PROJECT 5620-00-72					-	-	-	-	-	-		
					5620-00-72 TOTAL 0020			-	-	-	-	-	-		
0010	28	308+49	27.3' LT	W16-9P				-	-	1	-	-	-		
0010	29	308+49	27.3' LT	W11-2				-	-	1	-	-	1		
0010	30	309+61	40.8' RT	W1-6				-	-	-	1	1	-		
0010	31	309+95	42.5' RT	W1-6				-	-	-	1	1	-		
0010	32	315+43	25.5' LT	W13-1				-	-	-	1	-	-		
0010	33	315+43	25.5' LT	W1-2R				-	-	-	1	1	-		
					5620-00-73 TOTAL 0010			-	-	2	4	3	1		
					5620-00-72 TOTAL			10	66.25	20	7	7	19		
					5620-00-73 TOTAL			-	-	2	4	3	1		
					PROJECT TOTAL			10	66.25	22	11	10	20		

*ADDITIONAL QUANTITY ELSEWHERE

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LOCATING NO-PASSING ZONES

CATEGORY	STATION	TO	STATION	LOCATION	648.0100 LOCATING NO-PASSING ZONES MI	REMARKS
0010	276+00	-	334+00	PROJECT 5620-00-72	1.10	
				5620-00-72 TOTAL 0010	1.10	
0020	100+25	-	502+46	PROJECT 5620-00-72	-	
				5620-00-72 TOTAL 0020	-	
0010	303+00	-	315+50	PROJECT 5620-00-73	-	
				5620-00-73 TOTAL 0010	-	
				5620-00-72 TOTAL	1.10	
				5620-00-73 TOTAL	-	
				PROJECT TOTAL	1.10	

TRAFFIC CONTROL

CATEGORY	STAGE	DAYS	STATION	TO	STATION	LOCATION	643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH	643.0420 DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH	643.0705 DAY	643.0900 TRAFFIC CONTROL SIGNS EACH	643.0900 DAY	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	643.0920 DAY	643.1000 TRAFFIC CONTROL SIGNS FIXED MESSAGE SF	643.1050 TRAFFIC CONTROL SIGNS PCMS EACH	643.1050 DAY	643.3165 TEMPORARY MARKING LINE PAINT 6-INCH LF	643.382 TEMPORARY MARKING STOP LINE EPOXY 18-INCH LF	643.5000 TRAFFIC CONTROL EACH	REMARKS
0010	1	13	100+25	-	502+46	STAGE 1: FLAGGING	2	26	4	52	5	65	-	-	-	-	-	-	-	-	
						SUBTOTAL STAGE 1		26		52		65		-	-		-	-	-	-	
0010	2	37	100+25	-	502+46	STAGE 2: SIGNED DETOUR	44	1,628	80	2,960	318	11,766	15	555	107	2	28	80,442	27	-	
						SUBTOTAL STAGE 2		1,628		2,960		11,766		555	107		28	80,442	27	-	
0010	3	13	100+25	-	502+46	STAGE 3: FLAGGING	-	-	-	-	-	-	-	-	107	-	-	80,442	27	-	
						SUBTOTAL STAGE 3		-		-		-		-	107		-	80,442	27	-	
0010			100+25	-	502+46	PROJECT 5620-00-72	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5	
						5620-00-72 TOTAL 0010		1,654		3,012		11,831		555	214		28	160,884	54	0.5	
0010			303+00	-	315+50	PROJECT 5620-00-73	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5	
						5620-00-73 TOTAL 0010		-		-		-		-	-		-	-	-	0.5	
						5620-00-72 TOTAL		1,654		3,012		11,831		555	214		28	160,884	54	0.5	
						5620-00-73 TOTAL		-		-		-		-	-		-	-	-	0.5	
						PROJECT TOTAL		1,654		3,012		11,831		555	214		28	160,884	54	1.0	

*ADDITIONAL QUANTITY ELSEWHERE

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PAVEMENT MARKING

CATEGORY	STATION	TO	STATION	LOCATION	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH (SOLID YELLOW) LF	(DOUBLE YELLOW) LF	(DASHED YELLOW 12.5' LINE, 37.5' SKIP) LF	(DASHED WHITE, 3' LINE, 9' SKIP) LF	(SOLID WHITE) LF	646.5320 MARKING RAILROAD CROSSINGS EPOXY (SOLID WHITE) EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH (SOLID WHITE) LF	REMARKS
0010	100+25	-	177+25	STH 78 TO HALWEG RD	1,575	8,037	925	-	15,378	2	27	
0010	177+25	-	231+00	HALWEG RD TO LAKE RD	2,177	6,016	592	57	10,391	-	-	
0010	231+00	-	275+50	LAKE RD TO SOLUM LN	-	8,900	-	-	8,776	-	-	
0010	275+50	-	303+00	SOLUMN LN TO HSIP CURVE	-	5,500	-	-	5,425	-	-	
0010	303+00	-	315+50	HSIP CURVE	-	2,500	-	-	2,500	-	-	
0010	315+50	-	336+25	HSIP CURVE TO TOWER RD	-	4,150	-	-	4,001	-	-	
0010	336+25	-	396+50	TOWER RD TO STEINKE RD	1,446	9,097	362	-	11,882	-	-	
0010	396+50	-	469+75	STEINKE RD TO MANCHESTER RD	1,836	9,649	625	38	14,386	-	-	
0010	469+75	-	502+46	MANCHESTER RD TO MOUND ST	-	6,541	-	77	6,174	-	-	
				5620-00-72 SUBTOTAL 0010	7,034	60,390	2,504	172	78,913	2	27	
				5620-00-72 TOTAL 0010			149,013			2	27	
0020	100+25	-	502+46	PROJECT 5620-00-72	-	-	-	-	-	-	-	
				5620-00-72 SUBTOTAL 0020	-	-	-	-	-	-	-	
				5620-00-72 TOTAL 0020			-			-	-	
0010	303+00	-	315+50	HSIP CURVE	-	-	-	-	-	-	-	
				5620-00-73 SUBTOTAL 0010	-	-	-	-	-	-	-	
				5620-00-73 TOTAL 0010			-			-	-	
				5620-00-72 TOTAL			149,013			2	27	
				5620-00-73 TOTAL			-			-	-	
				PROJECT TOTAL			149,013			2	27	

CONSTRUCTION STAKING

CATEGORY	STATION	TO	STATION	LOCATION	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH	650.6501.01 CONSTRUCTION STAKING STRUCTURE LAYOUT (01. 3-FT X 2-FT BOX CULVERT) EACH	650.6501.02 CONSTRUCTION STAKING STRUCTURE LAYOUT (02. 2-FT X 2-FT BOX CULVERT) EACH	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE LF	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF	REMARKS
0010	100+25	-	502+46	PROJECT 5620-00-72	2	-	-	624	5	1	1	38,971	-	
				5620-00-72 TOTAL 0010	2	-	-	624	5	1	1	38,971	-	
0010	303+00	-	315+50	HSIP CURVE	-	1250	1250	-	2	-	-	-	1250	
				5620-00-73 TOTAL 0010	-	1,250	1,250	-	2	-	-	-	1,250	
				5620-00-72 TOTAL	2	-	-	624	5	1	1	38971	-	
				5620-00-73 TOTAL	-	1250	1250	-	2	-	-	-	1250	
				PROJECT TOTAL	2	1250	1250	624	7	1	1	38971	1250	

DOCUMENT #: **1268750**
Recorded: 11-08-2024 at 11:05 AM
BRENT BAILEY
SAUK COUNTY REGISTER OF DEEDS
REGISTRAR'S OFFICE
Sauk Co, WI
RECEIVED FOR RECORD
Fee Amount: $25.00
This document has been filed electronically

TRANSPORTATION PROJECT PLAT NO: 5620-00-21 - 4.01

THAT PART OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER AND PART OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 17, TOWNSHIP 11 NORTH, RANGE 7 EAST, IN THE TOWN OF GREENFIELD, SAUK COUNTY, WISCONSIN

RELOCATION ORDER STH 113 LODI - BARABOO CURVE 0.64 MI NORTH OF SOLUM LANE SAUK COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5620-00-21-4.01
AMENDMENT NO:___

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), SAUK 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.

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.

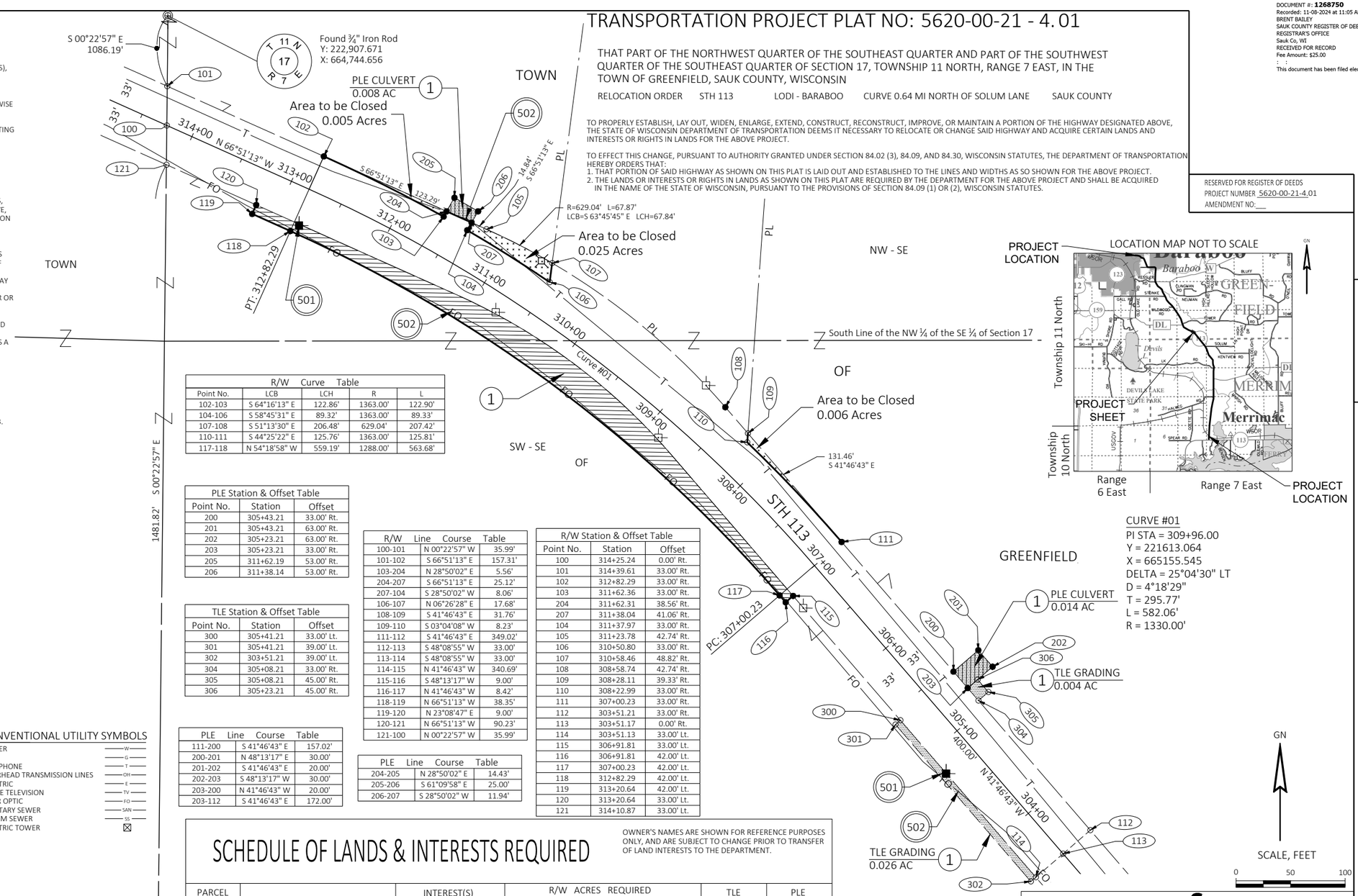
PROPERTY LINES SHOWN ON THIS PLAT FOR PROPERTIES BEING IMPACTED ARE DRAWN FROM DATA DERIVED FROM FILED/RECORDED MAPS AND DOCUMENTS OF PUBLIC RECORD. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD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

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

PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 113 ESTABLISHED FROM THE EXISTING CENTERLINE OF STH 113. WISCONSIN STATUTE ESTABLISHES THE EXISTING RIGHT-OF-WAY WIDTH AT 66'.

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



R/W Curve Table				
Point No.	LCB	LCH	R	L
102-103	S 64°16'13" E	122.86'	1363.00'	122.90'
104-106	S 58°45'31" E	89.32'	1363.00'	89.33'
107-108	S 51°13'30" E	206.48'	629.04'	207.42'
110-111	S 44°25'22" E	125.76'	1363.00'	125.81'
117-118	N 54°18'58" W	559.19'	1288.00'	563.68'

PLE Station & Offset Table		
Point No.	Station	Offset
200	305+43.21	33.00' Rt.
201	305+43.21	63.00' Rt.
202	305+23.21	63.00' Rt.
203	305+23.21	33.00' Rt.
205	311+62.19	53.00' Rt.
206	311+38.14	53.00' Rt.

TLE Station & Offset Table		
Point No.	Station	Offset
300	305+41.21	33.00' Lt.
301	305+41.21	39.00' Lt.
302	303+51.21	39.00' Lt.
304	305+08.21	33.00' Rt.
305	305+08.21	45.00' Rt.
306	305+23.21	45.00' Rt.

R/W Line Course Table		
100-101	N 00°22'57" W	35.99'
101-102	S 66°51'13" E	157.31'
103-204	N 28°50'02" E	5.56'
204-207	S 66°51'13" E	25.12'
207-104	S 28°50'02" W	8.06'
106-107	N 06°26'28" E	17.68'
108-109	S 41°46'43" E	31.76'
109-110	S 03°04'08" W	8.23'
111-112	S 41°46'43" E	349.02'
112-113	S 48°08'55" W	33.00'
113-114	S 48°08'55" W	33.00'
114-115	N 41°46'43" W	340.69'
115-116	S 48°13'17" W	9.00'
116-117	N 41°46'43" W	8.42'
118-119	N 66°51'13" W	38.35'
119-120	N 23°08'47" E	9.00'
120-121	N 66°51'13" W	90.23'
121-100	N 00°22'57" W	35.99'

R/W Station & Offset Table		
Point No.	Station	Offset
100	314+25.24	0.00' Rt.
101	314+39.61	33.00' Rt.
102	312+82.29	33.00' Rt.
103	311+62.36	33.00' Rt.
204	311+62.31	38.56' Rt.
207	311+38.04	41.06' Rt.
104	311+37.97	33.00' Rt.
105	311+23.78	42.74' Rt.
106	310+50.80	33.00' Rt.
107	310+58.46	48.82' Rt.
108	308+58.74	42.74' Rt.
109	308+28.11	39.33' Rt.
110	308+22.99	33.00' Rt.
111	307+00.23	33.00' Rt.
112	303+51.21	33.00' Rt.
113	303+51.17	0.00' Rt.
114	303+51.13	33.00' Lt.
115	306+91.81	33.00' Lt.
116	306+91.81	42.00' Lt.
117	307+00.23	42.00' Lt.
118	312+82.29	42.00' Lt.
119	313+20.64	42.00' Lt.
120	313+20.64	33.00' Lt.
121	314+10.87	33.00' Lt.

PLE Line Course Table		
111-200	S 41°46'43" E	157.02'
200-201	N 48°13'17" E	30.00'
201-202	S 41°46'43" E	20.00'
202-203	S 48°13'17" W	30.00'
203-200	N 41°46'43" W	20.00'
203-112	S 41°46'43" E	172.00'

PLE Line Course Table		
204-205	N 28°50'02" E	14.43'
205-206	S 61°09'58" E	25.00'
206-207	S 28°50'02" W	11.94'

LOCATION MAP NOT TO SCALE

CURVE #01
PI STA = 309+96.00
Y = 221613.064
X = 665155.545
DELTA = 25°04'30" LT
D = 4°18'29"
T = 295.77'
L = 582.06'
R = 1330.00'

GN
SCALE, FEET
0 50 100

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; GEODETIC SURVEY MONUMENT; SIXTEENTH CORNER MONUMENT; SIGN; OFF-PREMISE SIGN; 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; UTILITY NUMBER; PARALLEL OFFSETS

R/W MONUMENT (TO BE SET); NON-MONUMENTED R/W POINT; FOUND IRON PIN (1-INCH UNLESS NOTED); COMPENSABLE; NON-COMPENSABLE

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REEL / IMAGE	R/I
BACK	BK	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
CENTERLINE	C/L	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CERTIFIED SURVEY MAP	CSM	RIGHT	RT
CONCRETE	CONC	RIGHT OF WAY	R/W
COUNTY	CO	SECTION	SEC
COUNTY TRUNK HIGHWAY	CTH	SEPTIC VENT	SEPV
DISTANCE	DIST	SQUARE FEET	SF
CORNER	COR	STATE TRUNK HIGHWAY	STH
DOCUMENT NUMBER	DOC	STATION	STA
EASEMENT	EASE	TELEPHONE PEDESTAL	TP
EXISTING	EX	TEMPORARY LIMITED EASEMENT	TLE
GAS VALVE	GV	TRANSPORTATION PROJECT PLAT	TPP
GRID NORTH	GN	UNITED STATES HIGHWAY	USH
HIGHWAY EASEMENT	HE	VOLUME	V
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		

CURVE DATA ABBREVIATIONS

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

CONVENTIONAL UTILITY SYMBOLS

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	

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
1	State of Wisconsin (Department of Natural Resources)	FEE, PLE, TLE	0.238	---	0.238	0.030	0.022

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
501	ALLIANT ENERGY CORPORATION	RELEASE OF RIGHTS
502	BRIGHTSPEED COMMUNICATIONS	RELEASE OF RIGHTS

501 ALLIANT ENERGY CORPORTION
EASEMENT RELEASE
DOC 1146371 - PARCEL 1

502 BRIGHTSPEED COMMUNICATIONS
PRESCRIPTIVE RELEASE/EASEMENT RELEASE

BAXTER & WOODMAN Consulting Engineers

I, ANTHONY E. BIANCHIN PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

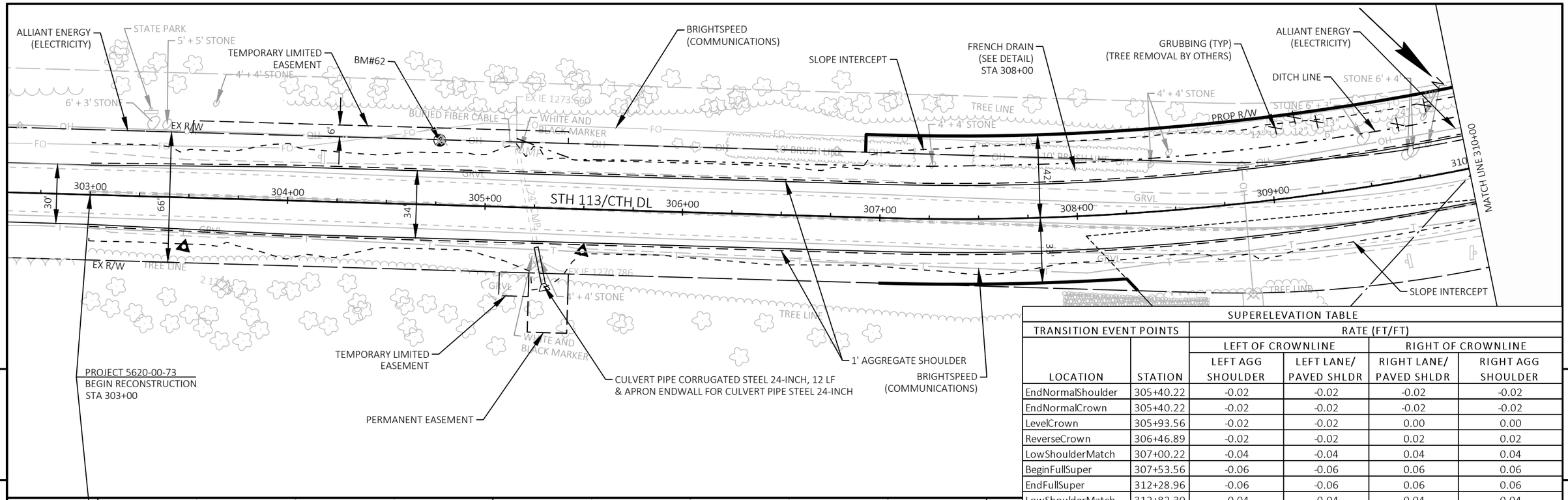
SIGNATURE: _____ DATE: 11/07/24
PRINT NAME: ANTHONY E. BIANCHIN
REGISTRATION NUMBER: S-2938

WISCONSIN ANTHONY E. BIANCHIN S-2938 CRYSTAL LAKE, IL LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION - LA CROSSE

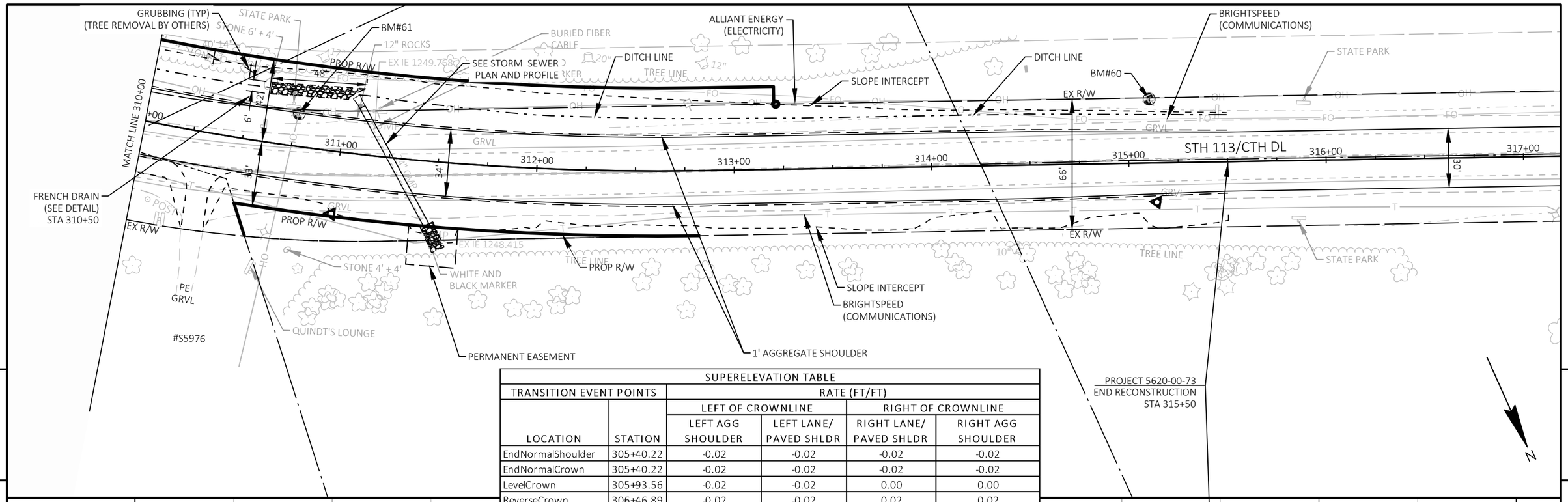
SIGNATURE: Emily Hemling DATE: 11/07/24
PRINT NAME: EMILY HEMLING

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\RW\DWG\5620-00-20 - 040101-RP.DWG
PLOT DATE : 11/7/2024 9:19 AM PLOT BY : ANTHONY BIANCHIN PLOT NAME : PLOT SCALE : 1 IN:50 FT
APPRAISAL PLAT DATE : 11/07/24
PROJECT NUMBER: 5620-00-21 - 4.01



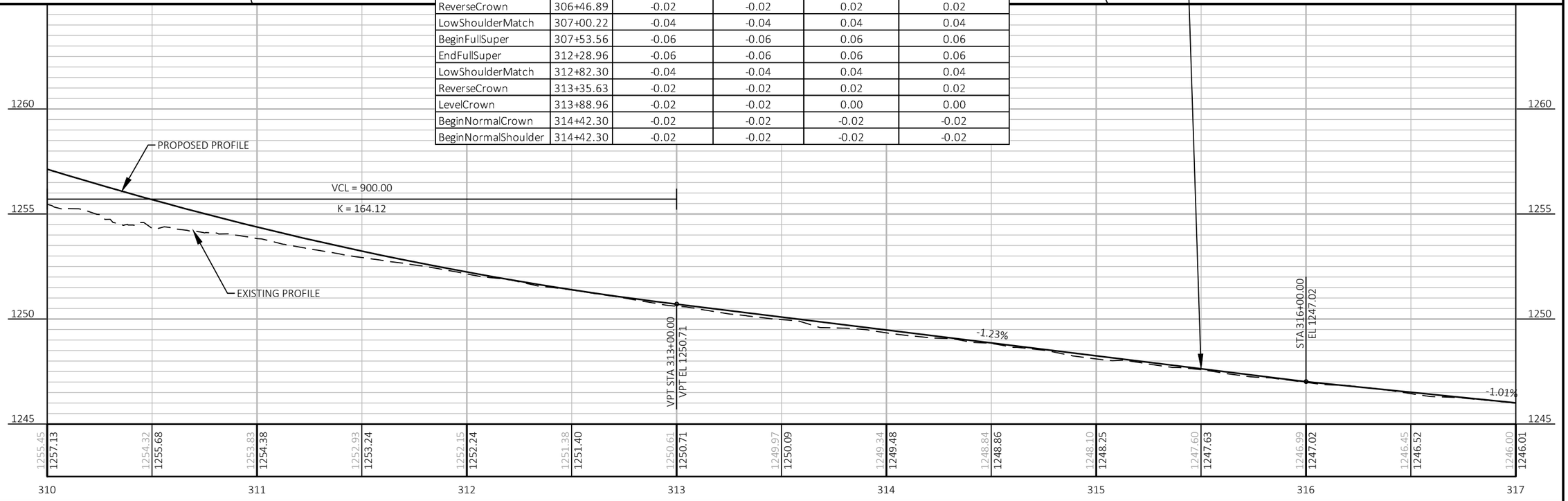
SUPERELEVATION TABLE					
TRANSITION EVENT POINTS		RATE (FT/FT)			
		LEFT OF CROWNLINE		RIGHT OF CROWNLINE	
LOCATION	STATION	LEFT AGG SHOULDER	LEFT LANE/ PAVED SHLDR	RIGHT LANE/ PAVED SHLDR	RIGHT AGG SHOULDER
EndNormalShoulder	305+40.22	-0.02	-0.02	-0.02	-0.02
EndNormalCrown	305+40.22	-0.02	-0.02	-0.02	-0.02
LevelCrown	305+93.56	-0.02	-0.02	0.00	0.00
ReverseCrown	306+46.89	-0.02	-0.02	0.02	0.02
LowShoulderMatch	307+00.22	-0.04	-0.04	0.04	0.04
BeginFullSuper	307+53.56	-0.06	-0.06	0.06	0.06
EndFullSuper	312+28.96	-0.06	-0.06	0.06	0.06
LowShoulderMatch	312+82.30	-0.04	-0.04	0.04	0.04
ReverseCrown	313+35.63	-0.02	-0.02	0.02	0.02
LevelCrown	313+88.96	-0.02	-0.02	0.00	0.00
BeginNormalCrown	314+42.30	-0.02	-0.02	-0.02	-0.02
BeginNormalShoulder	314+42.30	-0.02	-0.02	-0.02	-0.02

PROJECT NO: 5620-00-73	HWY: STH 113	COUNTY: SAUK	PLAN AND PROFILE: STH 113	SHEET 84	E

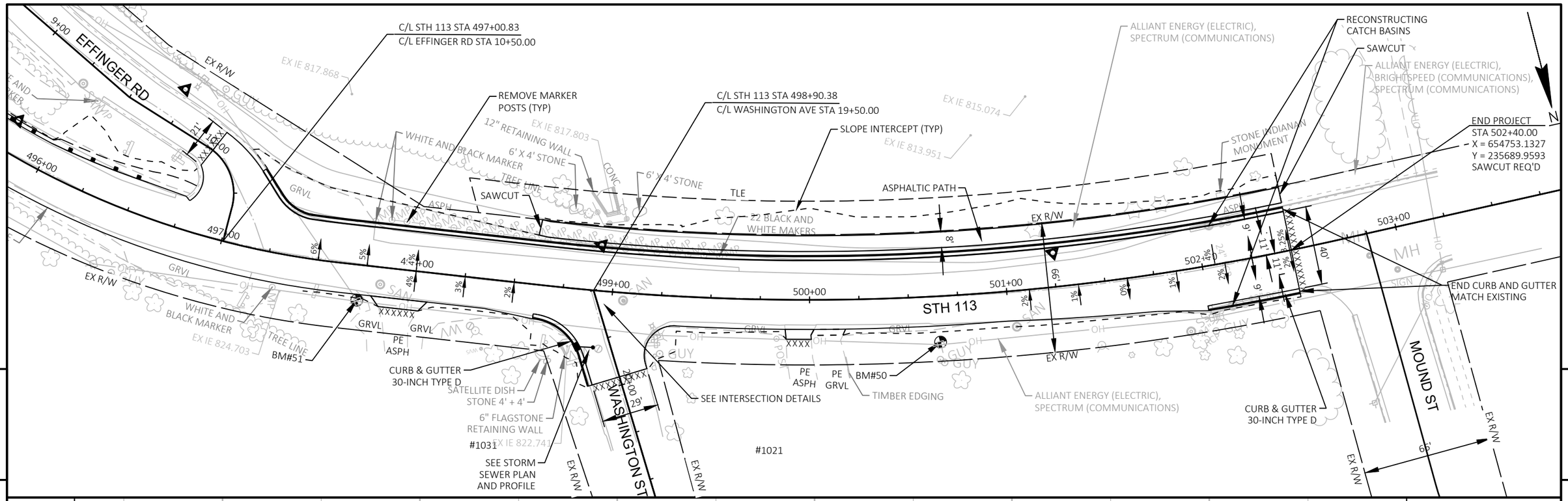


SUPERELEVATION TABLE

TRANSITION EVENT POINTS		RATE (FT/FT)			
		LEFT OF CROWNLINE		RIGHT OF CROWNLINE	
LOCATION	STATION	LEFT AGG SHOULDER	LEFT LANE/ PAVED SHLDR	RIGHT LANE/ PAVED SHLDR	RIGHT AGG SHOULDER
EndNormalShoulder	305+40.22	-0.02	-0.02	-0.02	-0.02
EndNormalCrown	305+40.22	-0.02	-0.02	-0.02	-0.02
LevelCrown	305+93.56	-0.02	-0.02	0.00	0.00
ReverseCrown	306+46.89	-0.02	-0.02	0.02	0.02
LowShoulderMatch	307+00.22	-0.04	-0.04	0.04	0.04
BeginFullSuper	307+53.56	-0.06	-0.06	0.06	0.06
EndFullSuper	312+28.96	-0.06	-0.06	0.06	0.06
LowShoulderMatch	312+82.30	-0.04	-0.04	0.04	0.04
ReverseCrown	313+35.63	-0.02	-0.02	0.02	0.02
LevelCrown	313+88.96	-0.02	-0.02	0.00	0.00
BeginNormalCrown	314+42.30	-0.02	-0.02	-0.02	-0.02
BeginNormalShoulder	314+42.30	-0.02	-0.02	-0.02	-0.02



PROJECT NO: 5620-00-73	HWY: STH 113	COUNTY: SAUK	PLAN AND PROFILE: STH 113	SHEET 85	E



PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	PLAN AND PLOT: PATH	SHEET 86 E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\050102-PP.DWG
LAYOUT NAME - 07

PLOT DATE : 2/12/2026 6:52 PM PLOT BY : ELA LODZINSKI PLOT NAME : PLOT SCALE : 1 IN:50 FT

BEGIN PROJECT
STA 100+25.00
X = 667875.3741
Y = 201898.2934
SAWCUT REQ'D

CAUTION

REDDEMAN FARM LLC
ID: 026-0067-00000

REEDSBURG LINE

WIS DEPT TRANSPORTATION (RR)
ID: 026-0130-00000

TOWN OF MERRIMAC

CLEANING CULVERT PIPES

RAILROAD SIGNAL REPLACEMENT
(BY OTHERS)

COGENT
(COMMUNICATIONS)

EX R/W

MATCH LINE 114+50

STH 78

STH 113

30'

15'

169'

ALLIANT ENERGY
(GAS)

ATC MANAGEMENT
(ELECTRICITY)

REDDEMAN BLUFF LLC
ID: 026-0068-00000

FRONTIER
(COMMUNICATIONS)

ALLIANT ENERGY
(ELECTRICITY)

STA 108+87, RT
AGG FE

FRONTIER
(COMMUNICATIONS)

RIVERLAND CONSERVANCY INC
ID: 026-0070-00000

TOWN OF MERRIMAC

WETLAND BOUNDARY

KATHLEEN A OTT
S7351
ID: 026-0064-00000

STA 118+48, LT
AGG FE

STA 119+43, LT
AGG PE

STA 120+40, LT
ASPH PE

STA 125+56, RT
AGG FE

135'

140'

MATCH LINE 129+50

FRONTIER
(COMMUNICATIONS)

FRONTIER
(COMMUNICATIONS)

ALLIANT ENERGY
(ELECTRICITY)

STA 119+84, RT
AGG FE

WETLAND
BOUNDARY

WIS POWER & LIGHT CO
ID: 026-0063-00000

WETLAND
BOUNDARY

FRONTIER
(COMMUNICATIONS)

WIS POWER & LIGHT CO
ID: 026-0618-00000

TOWN OF MERRIMAC

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	PLAN: STA 99+50 TO STA 129+50	SHEET 87	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\050201-PN.DWG
LAYOUT NAME - 050201-pn
PLOT DATE : 2/12/2026 6:54 PM
PLOT BY : ELA LODZINSKI
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

TOWN OF MERRIMAC

KATHLEEN A OTT

ID: 026-0617-00000

DITCH CLEANING

CLEANING CULVERT PIPES

EX R/W

15'

15'

110'

MATCH LINE 129+50

130

132

134

136

138

140

142

144

MATCH LINE 144+00

STH 113

RIVERLAND CONSERVANCY INC
S7221
ID: 026-0616-00000

STA 138+36, LT
AGG FE

30'

66'

EX R/W

FRONTIER
(COMMUNICATIONS)

STA 130+47, RT
AGG CE

ALLIANT ENERGY
(ELECTRICITY)

RIVERLAND CONSERVANCY INC

ID: 026-0617-10000

FRONTIER
(COMMUNICATIONS)

RIVERLAND CONSERVANCY INC
S7221
ID: 026-0616-00000

FRONTIER
(COMMUNICATIONS)

ALLIANT ENERGY
(ELECTRICITY)

FRONTIER
(COMMUNICATIONS)

5

5

TOWN OF MERRIMAC

TOWN OF MERRIMAC

FRONTIER
(COMMUNICATIONS)

STA 147+32, LT
AGG FE

RIVERLAND CONSERVANCY INC
S7102, S7133A
ID: 026-0615-00000

RIVERLAND CONSERVANCY INC
S7061
ID: 026-0612-00000

CLEANING
CULVERT PIPES

15'

30'

66'

EX R/W

EX R/W

MATCH LINE 144+00

144

146

148

150

152

154

156

158

MATCH LINE 158+50

STH 113

DITCH CLEANING

CLEANING
CULVERT PIPES

FRONTIER
(COMMUNICATIONS)

15'

RIVERLAND CONSERVANCY INC
S7102, S7133A
ID: 026-0615-00000

DITCH CLEANING

ALLIANT ENERGY
(ELECTRICITY)

FRONTIER
(COMMUNICATIONS)

RIVERLAND CONSERVANCY INC
S7061
ID: 026-0612-00000

ALLIANT ENERGY
(ELECTRICITY)

STA 153+43, RT
AGG FE

TOWN OF MERRIMAC

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	PLAN: STA 129+50 TO STA 158+50	SHEET 88	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\050201-PN.DWG
LAYOUT NAME - 050202-pn

PLOT DATE : 2/12/2026 6:54 PM PLOT BY : ELA LODZINSKI PLOT NAME : PLOT SCALE : 1 IN:100 FT

TOWN OF MERRIMAC

N

MERRIMAC CAMPGROUNDS HOLDING COMPANY LLC
E12995
ID: 026-0610-00000

WETLAND BOUNDARY

STA 158+83, LT
AGG FE

CLEANING
CULVERT PIPES

FRONTIER
(COMMUNICATIONS)

EX R/W

15'

MATCH LINE 158+50

160 162 164 STH 113 166 168 170 172

66

30

EX R/W

15'

MATCH LINE 173+50

DITCH CLEANING

ALLIANT ENERGY
(ELECTRICITY)

FRONTIER
(COMMUNICATIONS)

RIVERLAND CONSERVANCY LLC
S6938
ID: 026-0611-00000

ALLIANT ENERGY
(ELECTRICITY)

FRONTIER
(COMMUNICATIONS)

STA 170+79, RT
AGG FE

WETLAND BOUNDARY

5

5

TOWN OF MERRIMAC

TOWN OF MERRIMAC

WIS DEPARTMENT NATURAL RESOURCES
E12996
ID: 026-0500-00000

N

TOWN OF MERRIMAC
ID: 026-0609-00000

FRONTIER
(COMMUNICATIONS)

STA 178+13, LT
ASPH PE

HALWEG RD

EX R/W

66'

EX R/W

SAUK CO BUILDING SERVICES
(COMMUNICATIONS)

WETLAND
BOUNDARY

SAUK CO BUILDING SERVICES
(COMMUNICATIONS)

MATCH LINE 173+50

174 176 STH 113 178 180 182 184 186

30

15'

EX R/W

66

EX R/W

15'

MATCH LINE 188+00

STA 175+87, RT
AGG FE

FRONTIER
(COMMUNICATIONS)

ALLIANT ENERGY
(ELECTRICITY)

FRONTIER
(COMMUNICATIONS)

RIVERLAND CONSERVANCY LLC
S6914
ID: 026-0607-00000

STA 182+48, RT
AGG FE

FRONTIER
(COMMUNICATIONS)

ALLIANT ENERGY
(ELECTRICITY)

SEE INTERSECTION DETAIL

C/L STH 113 STA 178+27.56
C/L HALWEG RD STA 10+50.00

WETLAND BOUNDARY

RIVERLAND CONSERVANCY LLC
S6888
ID: 026-0504-00000

TOWN OF MERRIMAC

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	PLAN: STA 158+50 TO STA 188+00	SHEET 89	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\050201-PN.DWG
LAYOUT NAME - 050203-pn
PLOT DATE : 2/12/2026 6:55 PM
PLOT BY : ELA LODZINSKI
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

TOWN OF MERRIMAC

N

SAUK CO BUILDING SERVICES
(COMMUNICATIONS)

WETLAND
BOUNDARY

MANLEY CREEK

WIS DEPARTMENT NATURAL RESOURCES

ID: 026-0499-00000

WETLAND
BOUNDARY

SAUK CO BUILDING SERVICES
(COMMUNICATIONS)

WETLAND BOUNDARY

MATCH LINE 188+00

188 190 192 194 196 198 200 202

STH 113

30'

EX R/W

66'

15'

EX R/W

15'

MATCH LINE 203+00

ALLIANT ENERGY
(ELECTRICITY)

WETLAND
BOUNDARY

MANLEY CREEK

WETLAND
BOUNDARY

FRONTIER
(COMMUNICATIONS)

ENVIRONMENTALLY
SENSITIVE AREA
MANLEY GRAVESITE
(47SK0666/BSK-0002)

STA 198+46, RT
AGG CE

RIVERLAND CONSERVANCY INC
S6770A
ID: 026-0498-00000

ALLIANT ENERGY
(ELECTRICITY)

WETLAND
BOUNDARY

5

5

TOWN OF MERRIMAC

TOWN OF MERRIMAC

N

C/L STH 113 STA 212+81.06
C/L CTH DL STA 19+50.00

SEE INTERSECTION DETAIL

WIS DEPARTMENT NATURAL RESOURCES

ID: 026-0494-00000

SAUK CO BUILDING SERVICES
(COMMUNICATIONS)

CLEANING
CULVERT PIPES

MATCH LINE 203+00

EX R/W

15'

204 206 208 210 212 214 216

30'

66'

STH 113

STH 113/CTH DL

EX R/W

15'

MATCH LINE 218+00

FRONTIER
(COMMUNICATIONS)

ALLIANT ENERGY
ELECTRICITY)

FRONTIER
(COMMUNICATIONS)

SAUK CO BUILDING SERVICES
(COMMUNICATIONS)

EXISTING CURB & GUTTER TO REMAIN

20'

FRONTIER
(COMMUNICATIONS)

RIVERLAND CONSERVANCY INC
E13030
ID: 026-0495-00000

ALLIANT ENERGY
(ELECTRICITY)

DITCH CLEANING

WETLAND
BOUNDARY

RIVERLAND CONSERVANCY INC
E13030
ID: 026-0495-00000

EX R/W

120'

EX R/W

CTH DL

TOWN OF MERRIMAC

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	PLAN: STA 188+00 TO STA 218+00	SHEET 90	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\050201-PN.DWG
LAYOUT NAME - 050204-pn

PLOT DATE : 2/12/2026 6:55 PM PLOT BY : ELA LODZINSKI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

NOTE: CULVERT REPLACEMENT TO MATCH FIELD CONDITIONS AND STAY WITHIN EXISTING RIGHT OF WAY

TOWN OF MERRIMAC

WIS DEPARTMENT NATURAL RESOURCES

ID: 026-0492-00000

WIS DEPARTMENT NATURAL RESOURCES

ID: 026-0493-00000

ICE AGE NATION SCENIC TRAIL CROSSING
MAINTAIN ACCESS AT ALL TIMES

ICE AGE NATION SCENIC TRAIL TRAILHEAD
PARKING MAINTAIN ACCESS AT ALL TIMES

STA 219+70, LT
AGG CE

FRONTIER
(COMMUNICATIONS)

APRON END WALLS FOR
CULVERT PIPE STEEL 24-INCH

SEE INTERSECTION DETAIL

C/L STH 113 STA 232+09.22
C/L S LAKE RD STA 30+50.00

S LAKE RD

EX R/W

66'

EX R/W

ID: 026-0294-00000

WIS DEPARTMENT NATURAL RESOURCES

MATCH LINE 218+00

MATCH LINE 233+00

STH 113/CTH DL

EX R/W

66'

EX R/W

26.13

30'

15'

30'

15'

220

222

224

226

228

230

232

RIVERLAND CONSERVANCY INC

ID: 026-0491-00000

STA 219+94, RT
AGG PE

REMOVING SMALL PIPE CULVERT
& CULVERT PIPE CORRUGATED
STEEL 24-INCH, 48 LF

STA 228+15, RT
AGG PE

STA 232+16, RT
ASPH PE

MICHAEL R & NURY M STEUERWALD
S6596
ID: 026-0488-00000

DICK H HARRISON
S6538
ID: 026-0489-00000

JUDY M NOWAK
AUREY B BAUER
S6502
ID: 026-0490-00000

TOWN OF MERRIMAC

TOWN OF MERRIMAC

CLEANING
CULVERT PIPES

DITCH CLEANING

WIS DEPARTMENT NATURAL RESOURCES

ID: 026-0294-00000

ALLIANT ENERGY
(ELECTRICITY)

MATCH LINE 233+00

MATCH LINE 247+00

STH 113/CTH DL

EX R/W

66'

EX R/W

30'

15'

15'

234

236

238

240

242

244

246

STA 234+77, RT
AGG PE

ERIC C & MIRIAM STROBL TRUST
S6474
ID: 026-0298-00000

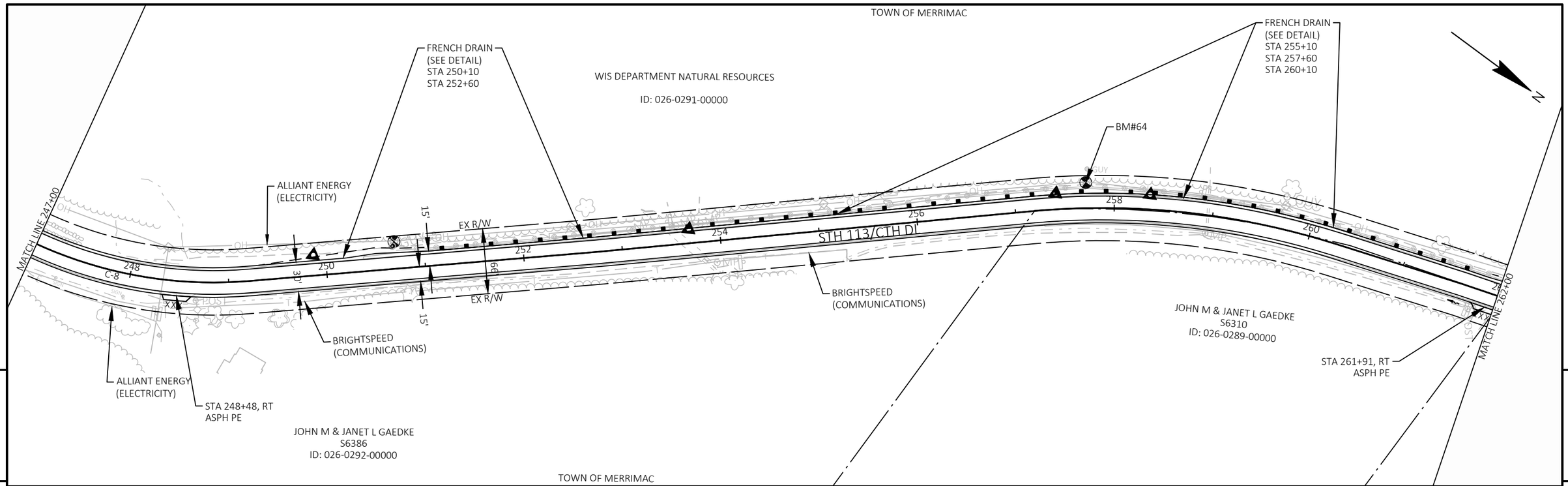
TOWN OF MERRIMAC

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	PLAN: STA 218+00 TO STA 247+00	SHEET 91	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\050201-PN.DWG
LAYOUT NAME - 050205-pn

PLOT DATE : 2/12/2026 6:55 PM PLOT BY : ELA LODZINSKI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	PLAN: STA 247+00 275+50	SHEET 92	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\050206-PN.DWG
LAYOUT NAME - 050206-pn

PLOT DATE : 10/15/2025 10:02 AM PLOT BY : NATHAN HARVEY PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

TOWN OF MERRIMAC

NOTE: CULVERT EXTENSION TO MATCH FIELD CONDITIONS AND STAY WITHIN EXISTING RIGHT OF WAY

STA 275+88, LT
AGG FE

SEE INTERSECTION DETAIL

ALLIANT ENERGY
(ELECTRICITY)
C/L STH 113 / CTH DL STA 276+45.19
C/L SOLUM LN STA 39+50.00

CLEANING
CULVERT PIPES

ALLIANT ENERGY
(ELECTRICITY)

BRIGHTSPEED
(COMMUNICATIONS)

ORAP-200 (11-29-72) WIS DEPARTMENT NATURAL RESOURCES

ID: 026-0262-00000

ALLIANT ENERGY
(ELECTRICITY)

BRIGHTSPEED
(COMMUNICATIONS)

MATCH LINE 275+50

MATCH LINE 290+50

276 278 280 282 284 286 288 290

STH 113/CTH DL

EX R/W

66'

30

99'

15'

SOLUM LN

REMOVING 2FT X 2FT
BOX CULVERT, 9 FT

PRECAST BOX CULVERT
(2FT X 2FT), 7FT

RIP RAP MEDIUM
GEOTEXTILE TYPE HR

PRECAST CONCRETE WING
WALLS (STA 281+13)

BRIGHTSPEED
(COMMUNICATIONS)

STA 286+78, RT
ASPH PE

ORAP-200 (8-29-74) WIS DEPARTMENT NATURAL RESOURCES

ID: 026-0264-00000

TJ KRIENS
S6104A
ID: 026-0263-00000

TOWN OF MERRIMAC
TOWN OF GREENFIELD

TOWN OF MERRIMAC

TOWN OF GREENFIELD

ENVIRONMENTALLY SENSITIVE AREA
NICOLY-NEUMAN CEMETERY (BSK-0015)

WIS DEPARTMENT
NATURAL RESOURCES
S6043
ID: 018-0522-00000

WIS DEPARTMENT
NATURAL RESOURCES

ID: 018-0521-00000

TOWN OF MERRIMAC
TOWN OF GREENFIELD
WIS DEPARTMENT
NATURAL RESOURCES
ID: 018-0524-00000

WIS DEPARTMENT NATURAL RESOURCES
ID: 018-0522-00000

WIS DEPARTMENT
NATURAL RESOURCES
ID: 018-0523-00000

STA 296+19, LT
AGG FE

ALLIANT ENERGY
(ELECTRICITY)

ICE AGE NATION SCENIC TRIAL TRAILHEAD PARKING
MAINTAIN ACCESS AT ALL TIMES

ALLIANT ENERGY
(ELECTRICITY)

BRIGHTSPEED
(COMMUNICATIONS)

BRIGHTSPEED
(COMMUNICATIONS)

MATCH LINE 290+50

MATCH LINE 305+00

292 294 296 298 300 302 304

STH 113/CTH DL

EX R/W

80'

99'

15'

17'

STA 291+84, RT
AGG PE

BRIGHTSPEED
(COMMUNICATIONS)

BRUCE E & THERESA K GIESE
S6072
ID: 018-0524-00000

STA 297+90, LT
AGG CE

ICE AGE NATION SCENIC TRIAL CROSSING
MAINTAIN ACCESS AT ALL TIMES

BRIGHTSPEED
(COMMUNICATIONS)

PROJECT 5620-00-72
END REPROCESS AND RELAY
PROJECT 5620-00-73
BEGIN RECONSTRUCTION
STA 303+50.00
X = 665619.2250
Y = 221094.0431

TEMPORARY LIMITED
EASEMENT

WIS DEPARTMENT NATURAL RESOURCES

ID: 018-0525-00000

WIS DEPARTMENT
NATURAL RESOURCES

ID: 018-0521-00000

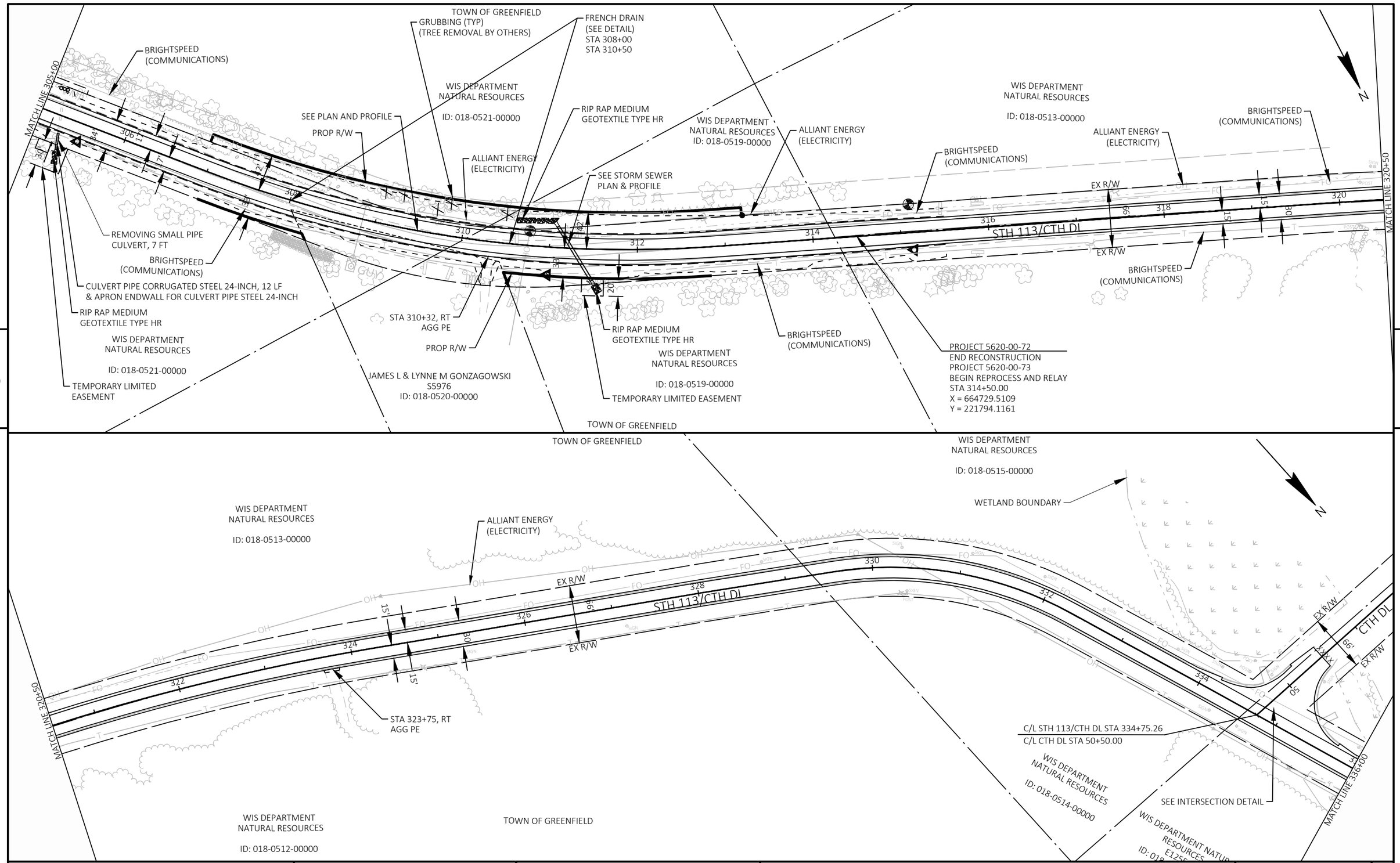
TOWN OF GREENFIELD

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	PLAN: STA 275+50 TO STA 305+00	SHEET 93	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\050206-PN.DWG
LAYOUT NAME - 050207-pn

PLOT DATE : 10/15/2025 10:02 AM PLOT BY : NATHAN HARVEY PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 5620-00-72, 5620-00-73	HWY: STH 113	COUNTY: SAUK	PLAN: STA 305+00 TO STA 336+00	SHEET 94	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\050206-PN.DWG
LAYOUT NAME - 050208-pn

PLOT DATE : 10/24/2025 9:05 AM PLOT BY : NATHAN HARVEY PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

TOWN OF GREENFIELD

SEE INTERSECTION DETAIL

C/L STH 113 / CTH DL STA 337+33.25
C/L TOWER RD STA 59+50.00

BRIGHTSPEED
(COMMUNICATIONS)

WIS DEPARTMENT
NATURAL RESOURCES
E12558
ID: 018-0507-00000

N

MATCH LINE 336+00

336 338 340 342 344 346 348 350

STH 113

EX R/W

60 15 15 30 66

EX R/W

BRIGHTSPEED
(COMMUNICATIONS)

MATCH LINE 350+50

ALLIANT ENERGY
(ELECTRICITY) &
SPECTRUM (COMMUNICATIONS)

XXX

WETLAND
BOUNDARY

BRIGHTSPEED
(COMMUNICATIONS)

ALLIANT ENERGY
(ELECTRICITY)

ALLIANT ENERGY
(ELECTRICITY) &
SPECTRUM (COMMUNICATIONS)

WIS DEPARTMENT
NATURAL RESOURCES
E12558
ID: 018-0507-00000

WETLAND BOUNDARY

EX R/W 66 EX R/W

TOWER RD

62

BRIGHTSPEED
(COMMUNICATIONS)

5

5

TOWN OF GREENFIELD

TOWN OF GREENFIELD

WIS DEPARTMENT
NATURAL RESOURCES

ID: 018-0529-00000

N

WIS DEPARTMENT
NATURAL RESOURCES

ID: 018-0506-00000

BRIGHTSPEED
(COMMUNICATIONS)

STA 361+16, LT
AGG FE

MATCH LINE 350+50

352 354 356 358 360 362 364

EX R/W

30 66 15 15

STH 113

EX R/W

MATCH LINE 365+00

ALLIANT ENERGY
(ELECTRICITY) &
SPECTRUM (COMMUNICATIONS)

BRIGHTSPEED
(COMMUNICATIONS)

T ENERGY
RICITY) &
RUM (COMMUNICATIONS)

THOMAS M & SUSAN K HOLMES
S5694
ID: 018-0528-00000

WIS DEPARTMENT
NATURAL RESOURCES

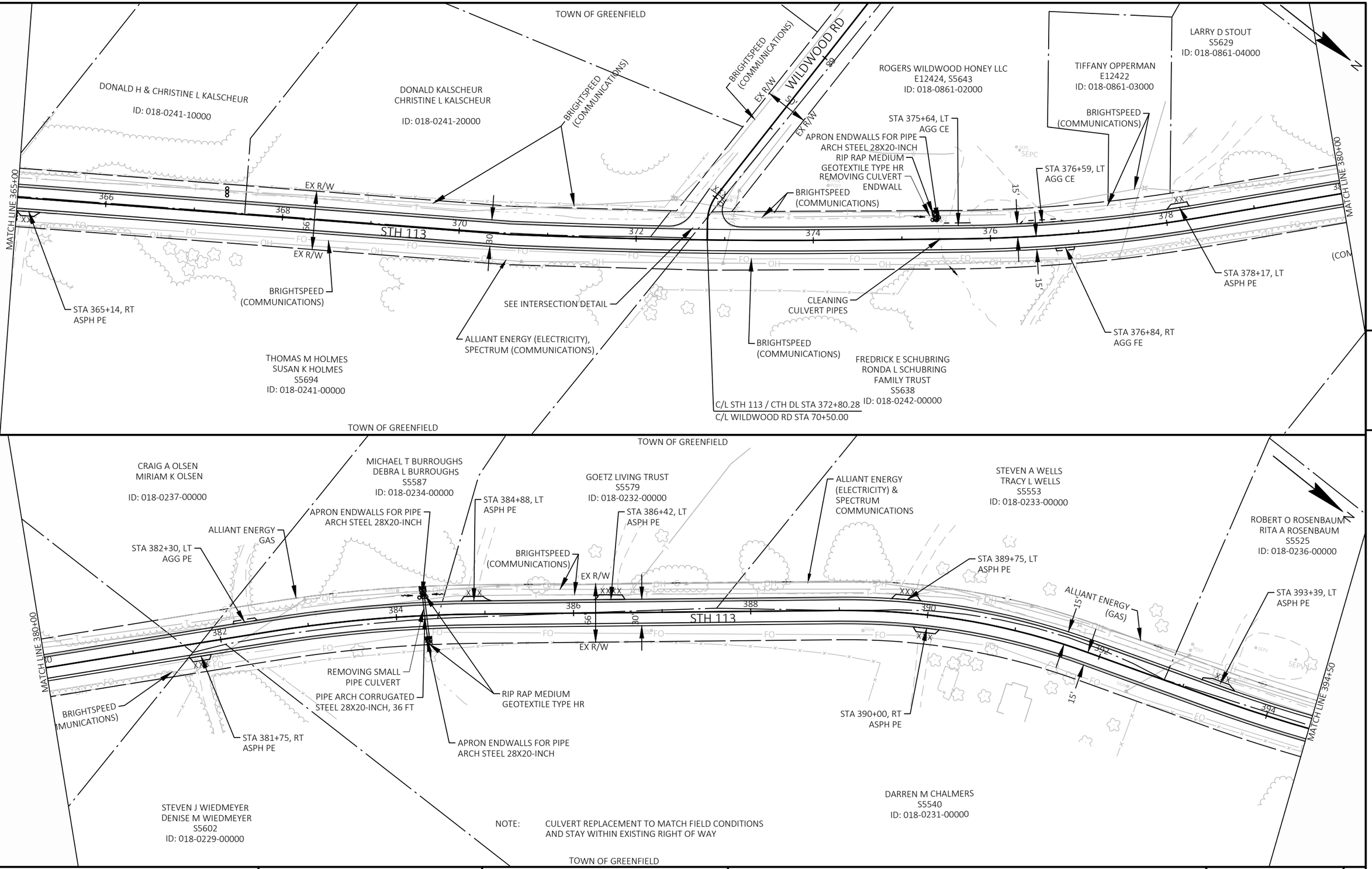
ID: 018-0506-00000

TOWN OF GREENFIELD

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	PLAN: STA 336+00 TO STA 365+00	SHEET 95	E

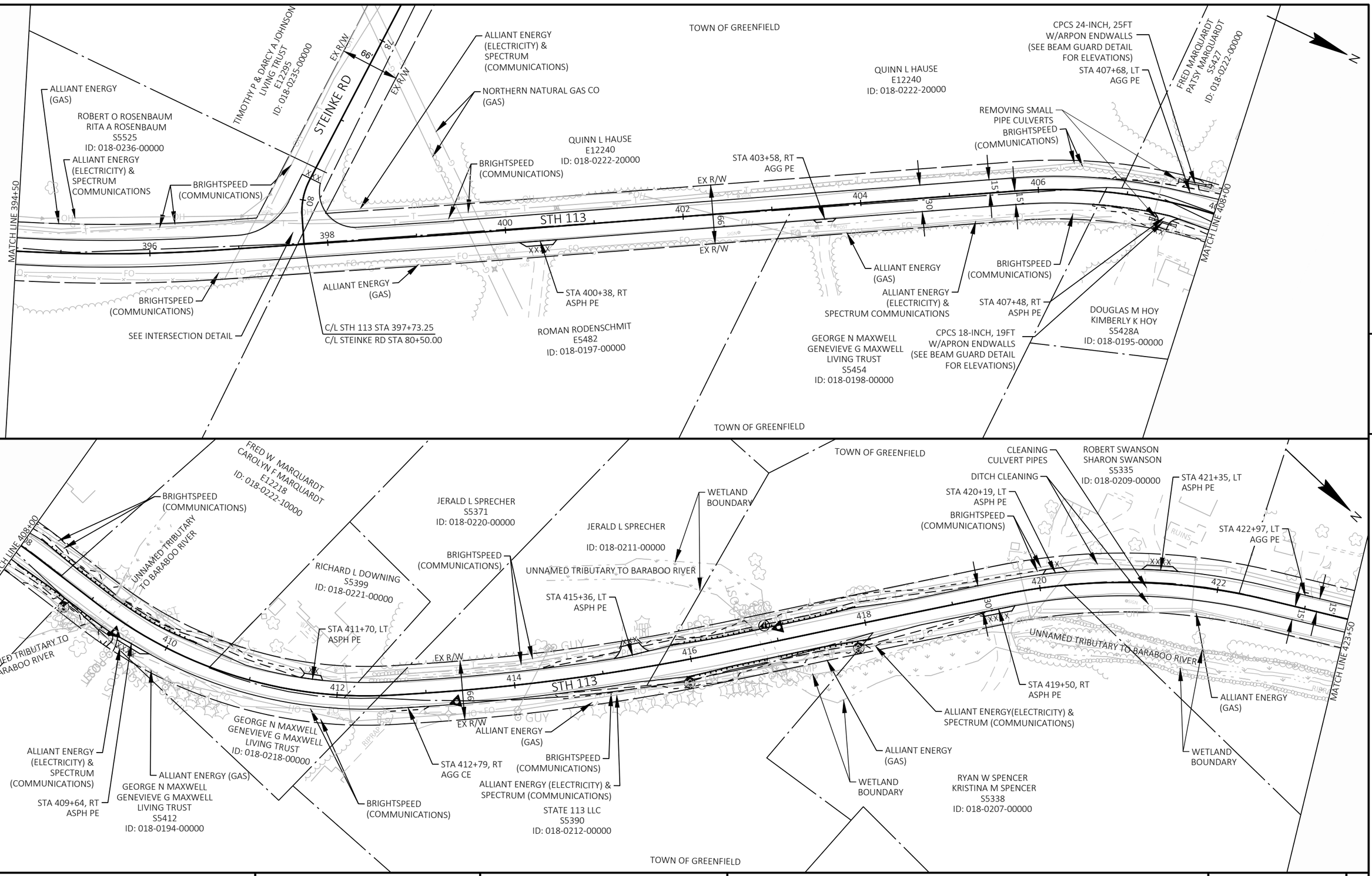
FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\050206-PN.DWG
LAYOUT NAME - 050209-pn

PLOT DATE : 10/15/2025 10:02 AM PLOT BY : NATHAN HARVEY PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	PLAN: STA 365+00 TO STA 394+50	SHEET 96	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\050206-PN.DWG
LAYOUT NAME - 050210-pn
PLOT DATE : 10/15/2025 10:03 AM PLOT BY : NATHAN HARVEY PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44


MATCH LINE 394+50
MATCH LINE 408+00
MATCH LINE 408+00
MATCH LINE 423+50
STH 113
STEINKE RD
EX R/W
66'
8'
396
398
400
402
404
406
408
410
412
414
416
418
420
422
80
99
30
15
TOWN OF GREENFIELD
TOWN OF GREENFIELD
TOWN OF GREENFIELD
TOWN OF GREENFIELD
ALLIANT ENERGY (GAS)
ALLIANT ENERGY (ELECTRICITY) & SPECTRUM COMMUNICATIONS
BRIGHTSPEED (COMMUNICATIONS)
NORTHERN NATURAL GAS CO (GAS)
ROBERT O ROSENBAUM
RITA A ROSENBAUM
S5525
ID: 018-0236-00000
TIMOTHY P & DARCY A JOHNSON LIVING TRUST
E12295
ID: 018-0235-00000
QUINN L HAUSE
E12240
ID: 018-0222-20000
STA 403+58, RT AGG PE
REMOVING SMALL PIPE CULVERTS
CPCS 24-INCH, 25FT W/ARPON ENDWALLS (SEE BEAM GUARD DETAIL FOR ELEVATIONS)
STA 407+68, LT AGG PE
FRED MARQUARDT
PATSY MARQUARDT
S5427
ID: 018-0222-00000
SEE INTERSECTION DETAIL
C/L STH 113 STA 397+73.25
C/L STEINKE RD STA 80+50.00
STA 400+38, RT ASPH PE
ROMAN RODENSCHMIT
E5482
ID: 018-0197-00000
STA 407+48, RT ASPH PE
DOUGLAS M HOY
KIMBERLY K HOY
S5428A
ID: 018-0195-00000
GEORGE N MAXWELL
GENEVIEVE G MAXWELL
LIVING TRUST
S5454
ID: 018-0198-00000
CPCS 18-INCH, 19FT W/APRON ENDWALLS (SEE BEAM GUARD DETAIL FOR ELEVATIONS)
FRED W MARQUARDT
CAROLYN F MARQUARDT
E12218
ID: 018-0222-10000
JERALD L SPRECHER
S5371
ID: 018-0220-00000
JERALD L SPRECHER
ID: 018-0211-00000
WETLAND BOUNDARY
CLEANING CULVERT PIPES
DITCH CLEANING
ROBERT SWANSON
SHARON SWANSON
S5335
ID: 018-0209-00000
STA 420+19, LT ASPH PE
STA 421+35, LT ASPH PE
STA 422+97, LT AGG PE
UNNAMED TRIBUTARY TO BARABOO RIVER
RICHARD L DOWNING
S5399
ID: 018-0221-00000
STA 411+70, LT ASPH PE
STA 415+36, LT ASPH PE
STA 419+50, RT ASPH PE
ALLIANT ENERGY(ELECTRICITY) & SPECTRUM (COMMUNICATIONS)
GEORGE N MAXWELL
GENEVIEVE G MAXWELL
LIVING TRUST
ID: 018-0218-00000
STA 412+79, RT AGG CE
STA 409+64, RT ASPH PE
GEORGE N MAXWELL
GENEVIEVE G MAXWELL
LIVING TRUST
S5412
ID: 018-0194-00000
STATE 113 LLC
S5390
ID: 018-0212-00000
RYAN W SPENCER
KRISTINA M SPENCER
S5338
ID: 018-0207-00000
N

TOWN OF GREENFIELD

ROBERT O BONHAM
JANETTE A BONHAM ET AL
S5307A
ID: 018-0208-00000

CONSTANCE BELTER
ROBERT BORN
S5297
ID: 018-0174-00000

RANDALL L BENSON
REBECCA J BENSON
E12154
ID: 018-0169-00000

SHANE L TALTY
AMY L TALTY
E12160
ID: 018-0168-00000

DANIAL A PHETTEPLACE
TAMMY K MILLER
S5321
ID: 018-0210-00000

MARY PATRICIA BONHAM
S5309
ID: 018-0208-10000

ROBERT O BONHAM
JANETTE A BONHAM ET AL
S5307A
ID: 018-0208-00000

SEE INTERSECTION DETAIL

C/L STH 113 STA 430+30.42
C/L KESSLER RD / CTH W STA 95+50.00

KESSLER RD

EX R/W

66'

BRIGHTSPEED
(COMMUNICATIONS)

STA 427+68, LT
AGG PE

STA 431+85, LT
AGG PE

CULVERT EXTENSION
(SEE BEAM GUARD
DETAIL)

WETLAND
BOUNDARY

UNNAMED TRIBUTARY TO BARABOO RIVER

STA 436+43, LT
ASPH CE

ALLIANT ENERGY (ELECTRIC),
BRIGHTSPEED (COMMUNICATIONS),
& SPECTRUM (COMMUNICATIONS)

MIKE D FRANK
S5253
ID: 018-0170-00000

CANOPY

PARKING

STA 438+05, LT
ASPH CE

STA 428+93, RT
ASPH PE

SAUK COUNTY
S5304
ID: 018-0204-00000

ALLIANT ENERGY
(GAS)

BRIGHTSPEED
(COMMUNICATIONS)

WETLAND
BOUNDARY

STA 425+84, RT
AGG PE

ALLIANT ENERGY (ELECTRICITY),
SPECTRUM (COMMUNICATIONS)

ALLIANT ENERGY
(ELECTRICITY) &
SPECTRUM
(COMMUNICATIONS)

CTH W

SAUK CO BUILDING SERVICES
(COMMUNICATIONS)

BRIGHTSPEED
(COMMUNICATIONS)

STA 432+72, RT
AGG PE

ALLIANT ENERGY (ELECTRIC) &
SPECTRUM (COMMUNICATIONS)

ALLIANT ENERGY (GAS)

STH 113

MATCH LINE 423+50

MATCH LINE 438+50

THOMAS E SPRECHER
ANNA M SPRECHER
S5310
ID: 018-0206-00000

ROBERT R GREENEN
BRIDGITTE A GREENEN
E12207
ID: 018-0203-00000

TOWN OF GREENFIELD

GLENN F BONHAM
S5284A
ID: 018-0177-00000

GLENNVILLE FARM LLC

ID: 018-0176-00000

5

5

VICKIE L MARQUARDT
LIVING TRUST
S5235
ID: 018-0166-10000

THOMAS G BROOKS
JENNIFER R BROOKS
S5205
ID: 018-01669-00000

RALPH H MARQUARDT
HELEN MARQUARDT
LIVING TRUST
S5207A
ID: 018-0166-01000

SAUK COUNTY
S5191
ID: 018-0167-00000

TOWN OF GREENFIELD

SAUK COUNTY
S5179, S5183
ID: 018-0164-00000

STEVEN A MCARTHUR

ID: 018-0161-00000

STRUCTURE B-56-099

BEGIN BRIDGE EXCEPTION
STA 451+34.65
X: 658151.6932
Y: 232966.2336

WETLAND
BOUNDARY

WETLAND
BOUNDARY

WIS DEPARTMENT
NATURAL RESOURCES

ID: 018-0161-30000

BRENT C HESSELBERG
1660
ID: 206-1154-73240

STA 443+31, LT
AGG FE

STA 446+45, LT
ASPH PE

ALLIANT ENERGY (ELECTRIC),
BRIGHTSPEED (COMMUNICATIONS),
SPECTRUM (COMMUNICATIONS)

STA 440+31, LT
ASPH PE

EX R/W

STH 113

CAUTION

UNNAMED TRIBUTARY TO BARABOO RIVER

120'

ALLIANT ENERGY
(GAS)

STA 447+33, RT
ASPH CE

WIS DEPT NATURAL RESOURCES
MAINTAIN ACCESS AT ALL TIMES

WETLAND
BOUNDARY

STA 441+67, RT
AGG FE

STA 444+00, RT
ASPH PE

STA 439+08, RT
ASPH PE

ALLIANT ENERGY (ELECTRIC),
BRIGHTSPEED (COMMUNICATIONS),
& SPECTRUM (COMMUNICATIONS)

ALLIANT ENERGY
(GAS)

WETLAND
BOUNDARY

WIS DEPARTMENT NATURAL RESOURCES

ID: 018-0156-00000

END BRIDGE EXCEPTION
STA 452+79.82
X: 658162.0797
Y: 233111.0324

MATCH LINE 438+50

MATCH LINE 453+50

AMANDA D BOLLFRASS &
WILLIAM L SCHREIBER
S5236
ID: 018-0179-00000

ROBERT K SCHREIBER &
ALEK KATCHER ET AL

ID: 018-0178-00000

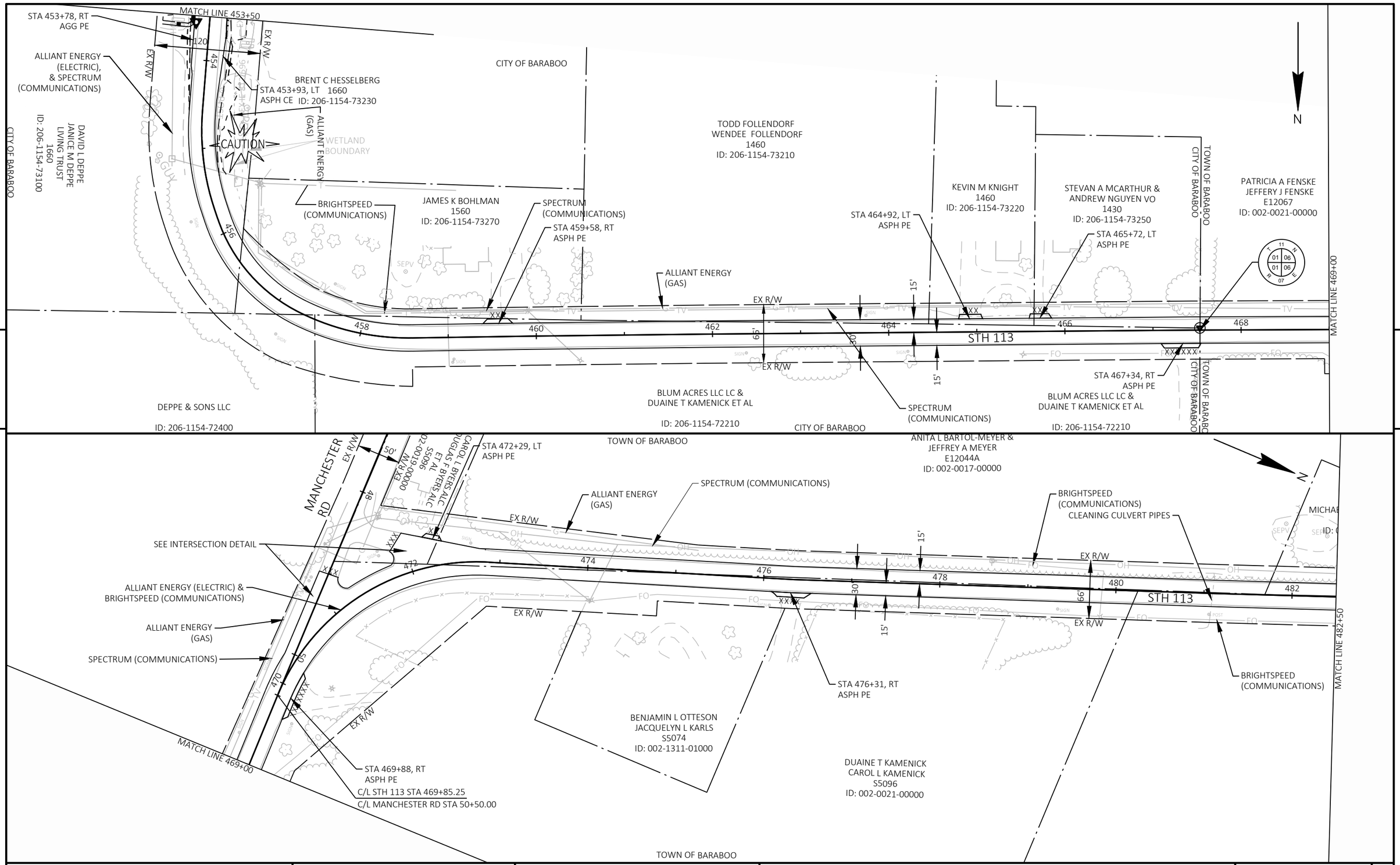
ROBERT K SCHREIBER &
ALEK KATCHER ET AL
S5198
ID: 018-0155-00000

ROBERT K SCHREIBER & ALEK
KATCHER ET AL
S5198
ID: 018-0155-00000

DAVID L DEPPE
JANICE M DEPPE
LIVING TRUST
1660
ID: 206-1154-73100

TOWN OF GREENFIELD

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	PLAN: STA. 423+50 TO STA 453+50	SHEET 98	E



PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	PLAN: STA 453+50 TO STA 482+50	SHEET 99	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\050211-PN.DWG
LAYOUT NAME - 0502013-pn
PLOT DATE : 10/15/2025 10:03 AM PLOT BY : NATHAN HARVEY PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

TOWN OF BARABOO

KENNETH KLING
S5003
ID: 002-0013-00000

L DROHOMYRECKY
S5009
002-0018-00000

MICHAEL DROHOMYRECKY
ID: 002-0014-00000

JOHN C DARROW
JEAN E DARROW
ID: 002-0007-10000

JOHN C DARROW
JEAN E DARROW
S4971
ID: 002-0007-00000

MATCH LINE 482+50

STA 484+85, LT
ASPH PE

STA 483+22, LT
AGG PE

SPECTRUM (COMMUNICATIONS)

BRIGHTSPEEDS FACILITIES
(FIBER)

BLUME ACRES LLC LC
DUAINE T KEMENICK ET AL
S4980A, S4984
ID: 002-0005-10000

STA 488+65, RT
ASPH PE

TOWN OF DEAN R & MARY K BLUM
BARABOO S4976
ID: 002-0004-00000
CITY OF BARABOO

STA 489+66, RT
AGG PE

TEELIN JOINT
LIVING TRUST
ID: 206-0748-00000

STA 492+14, LT
ASPH PE

ALLIANT ENERGY
(ELECTRICITY)
ALLIANT ENERGY
(ELECTRIC)

BM#52

SPECTRUM (COMMUNICATIONS)

ALLIANT ENERGY (ELECTRICITY) &
SPECTRUM (COMMUNICATIONS)

BRIGHTSPEED
(COMMUNICATIONS)

TEELIN JOINT LIVING TRUST

ID: 206-0749-00000

RIPRAP MEDIUM
(ENGINEER TO CONFIRM
WIDTH IN FIELD)

BRIGHTSPEED
(COMMUNICATIONS)

ALLIANT ENERGY (ELECTRICITY) &
SPECTRUM (COMMUNICATIONS)

SEE INTERSECTION DETAIL

EFFINGER RD

EX R/W

CITY OF BARABOO
(GAS)

CITY OF BARABOO
CITY OF BARABOO
(SANITARY)

WETLAND
BOUNDARY

JOHN C &
JEAN E DARROW
ID: 206-0779-1000

STH 113

MATCH LINE 497+50

C/L STH 113 / CTH DL STA 497+00.83
C/L EFFINGER RD STA 10+50.00

TOWN OF BARABOO

CITY OF BARABOO

ALLIANT ENERGY
(GAS)

REMOVE MARKER
POSTS (TYP)

SEE INTERSECTION DETAIL

ASPHALTIC PATH

WETLAND
BOUNDARY

CONCRETE CURB & GUTTER
30-INCH TYPE D

CHRISTOPHER J MATTI
922
ID: 206-0777-00000

HISTORIC SITES FND INC
922
ID: 206-0776-00000

CITY OF BARABOO (STORM)

ALLIANT ENERGY (GAS)

BRIGHTSPEED
(COMMUNICATIONS)

CITY OF BARABOO
(WATER)

BRIGHTSPEED
(COMMUNICATIONS)
ALLIANT ENERGY (ELECTRIC),
BRIGHTSPEED (COMMUNICATIONS),
& SPECTRUM (COMMUNICATIONS)

STA 503+11, LT
ASPH PE

C/L STH 113 / CTH DL STA 502+84.86
C/L MOUND ST STA 29+51.44

RECONSTRUCTING
CATCH BASINS

STA 499+95, RT
ASPH PE

STA 500+10, RT
AGG PE

1' AGGREGATE SHOULDER

ALLIANT ENERGY (ELECTRICITY) &
SPECTRUM (COMMUNICATIONS)

STA 497+92, RT
ASPH PE

MATCH LINE 497+50

WASHINGTON AVE

MOUND ST

BRIAN G POGREBA
1031 WATER ST
ID: 206-07549-00000

NICHOLAS R HEPP
SARAH M HEPP
1021 WATER ST
ID: 206-0774-00000

BRIGHTSPEED
(COMMUNICATIONS)

JUSTINE E SHRADER
KRYSTA I SHRADER
950 COUNCIL ST
ID: 206-0775-00000

SANDRA L HORKAN
940 COUNCIL ST
ID: 206-0773-00000

ELIZABETH A HASSE
ROBERT W HASSE
938 COUNCIL ST
ID: 206-0772-00000

TONYA K MORTIMER
JUSTIN D MORTIMER
936 COUNCIL ST
ID: 206-0771-00000

LEROY ELLIOTT
917
ID: 206-0769-00000

HAEL STEICHEN
911 WATER ST
ID: 206-0768-00000

CHRISTIAN F RANGEL
922 MOUND ST
ID: 206-0770-00000

CITY OF BARABOO
(WATER)

EDWIN N BLAKE
ANNE B BLAKE
909
ID: 206-0767-00000

END PROJECT
STA 502+40.00
X = 654753.1327
Y = 235689.9593
SAWCUT REQ'D

GERI-RAE HERRITZ
918
ID: 206-0766-10

GORDON R KABELE
819 WATER ST
ID: 206-0799-00000

ASHLEY M VAN SLYKE
813
ID: 206-0797-00000

ROBERT O ACHCZYNSKI
TAMMY L ACHCZYNSKI
811 WATER ST
ID: 206-0798-00000

SUSAN A ATTWOOD
801-803 WATER ST
ID: 206-0796-00000

TED R MEYER &
LYNN M MEYER
745 WATER ST
ID: 206-0800-00000

STATE HISTORICAL SOC/WIS
754
ID: 206-0812-00000

STATE HISTORICAL SOC/WIS
806
ID: 206-0812-00000

STATE HISTORICAL
SOC/WIS
ID: 206-0811-00000

STATE HISTORICAL SOC/WIS
816
ID: 206-0809-00000

STATE HISTORICAL SOC/WIS
820
ID: 206-0808-00000

WAYNE L & EILEEN C FISHER
824
ID: 206-0807-00000

ID: 206-0810-00000

C/L STH 113 / CTH DL STA 498+90.38
C/L WASHINGTON AVE STA 19+50.00

CRAIG & HELEN FETTY
REVOCABLE LIVING TRUST
220 WASHINGTON AVE
ID: 206-0750-00000

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	PLAN: STA 482+50 TO STA 510+00	SHEET 100	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\050211-PN.DWG
LAYOUT NAME - 0502014-pn

PLOT DATE : 2/12/2026 7:35 PM PLOT BY : ELA LODZINSKI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

Standard Detail Drawing List

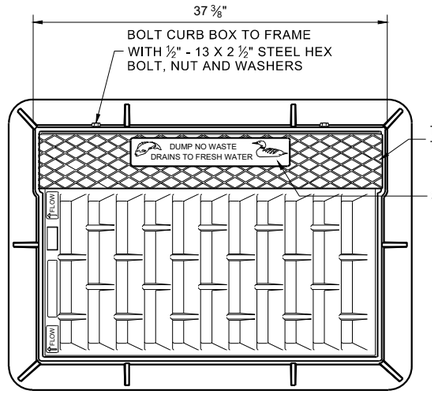
08A05-22A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A09-03	CATCH BASINS 2X3-FT AND 2.5X3-FT
08D01-24A	CONCRETE CURB & GUTTER
08D01-24B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
13A10-03A	SHOULDER RUMBLE STRIPS - ASPHALT
13A11-04A	CENTERLINE RUMBLE STRIPS - ASPHALT
13A11-04D	CENTERLINE RUMBLE STRIPS - INTERSECTIONS, DRIVEWAYS, BRIDGES, RAILROADS
13B01-11A	PAVEMENT DETAILS FOR RAILROAD APPROACH
13B01-11B	TYPICAL SECTIONS FOR RAILWAY APPROACH
13C19-03	HMA LONGITUDINAL JOINTS
14B42-07A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B43-04A	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B43-04B	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B43-04C	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-05A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05D	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05E	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05F	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05G	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05H	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05I	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05J	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05K	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05L	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B53-03A	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-03B	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-03C	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-03D	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-03E	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-03F	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-03G	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-03H	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-03I	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-09C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C02-09F	ADVANCED WIDTH RESTRICTION SIGNING
15C02-09H	MODIFIED ROUTE ASSEMBLY FOR DETOUR SIGNING
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C08-24A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-24B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C09-13A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C12-09B	TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE
15C19-10A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C33-05	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-06A	PAVEMENT MARKING (INTERSECTIONS)

6

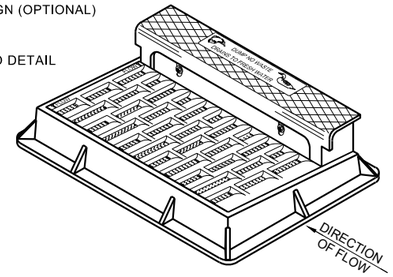
Standard Detail Drawing List

15D30-11A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11B	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11F	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D39-03	TRAFFIC CONTROL, DROP-OFF SIGNING
15D44-02	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
15D45-03	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
16A02-01	GEODETIC SURVEY MONUMENT

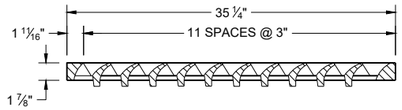
6

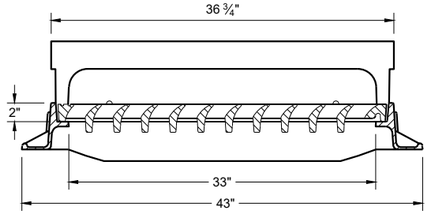


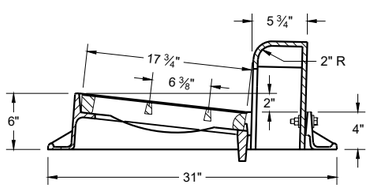
NOTE: EITHER CASTING IS ACCEPTABLE

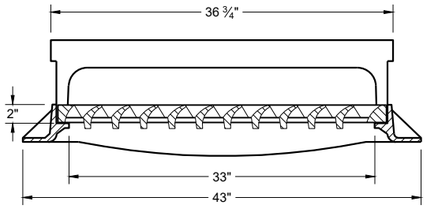


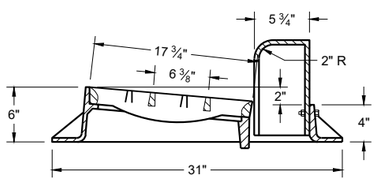
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"







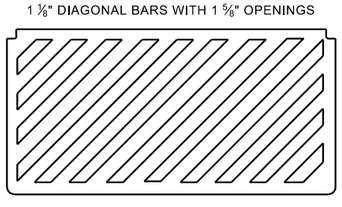




TYPE "H"

NOTE: EITHER CASTING IS ACCEPTABLE

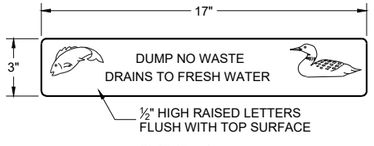
1 ⅛" DIAGONAL BARS WITH 1 ⅝" OPENINGS



SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35" X 17 ¾" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



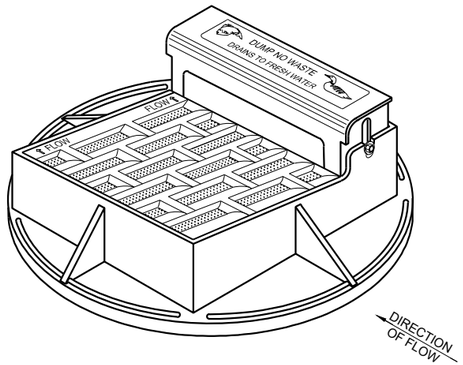
LOGO DETAIL

GENERAL NOTES

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

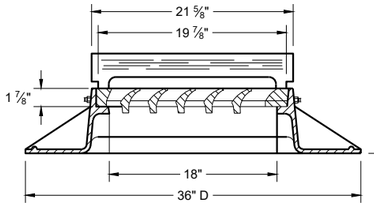
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

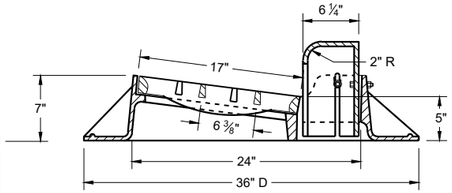
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



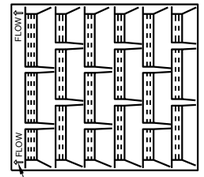
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

NOTE: EITHER CASTING IS ACCEPTABLE

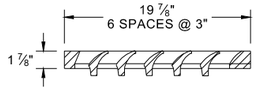




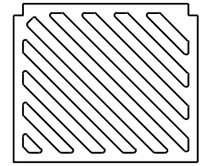
TYPE "A"



DIRECTION OF FLOW ARROWS



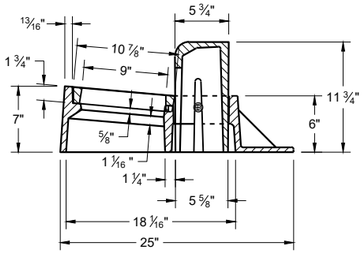
1" DIAGONAL BARS
WITH 1 ½" OPENINGS



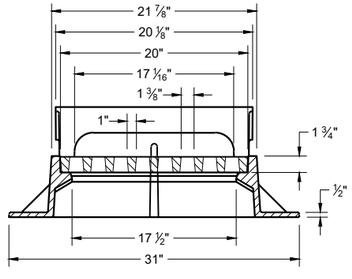
SPECIAL GRATE FOR TYPE "A" COVER

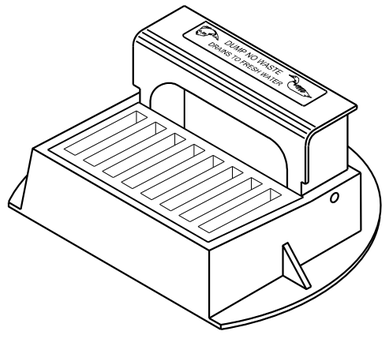
(MEASURES 19 ¾" X 17" X 1 ⅞")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "Z"





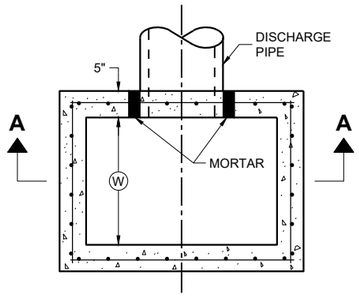
INLET COVERS
TYPES A, H, A-S, H-S AND Z

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

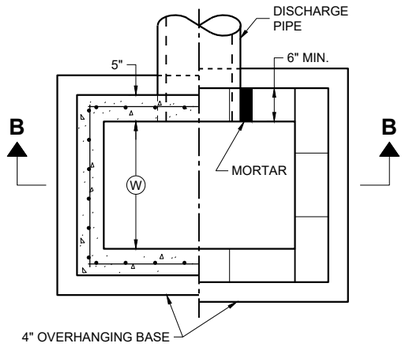
APPROVED
February 2025
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

FHWA



PLAN VIEW



PLAN VIEW

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 CATCH BASIN 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 CATCH BASIN 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 CATCH BASINS 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.

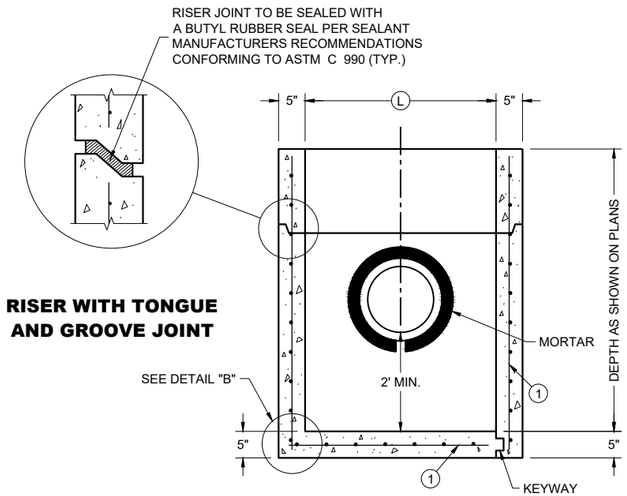
(3) 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER MATRIX

CATCH BASIN SIZE	WIDTH (W) (FT.)	LENGTH (L) (FT.)	INLET COVER TYPE	
			F	ALL H'S
2 X 3-FT	2	3		X
2.5 X 3-FT	2.5	3	X	

PIPE MATRIX

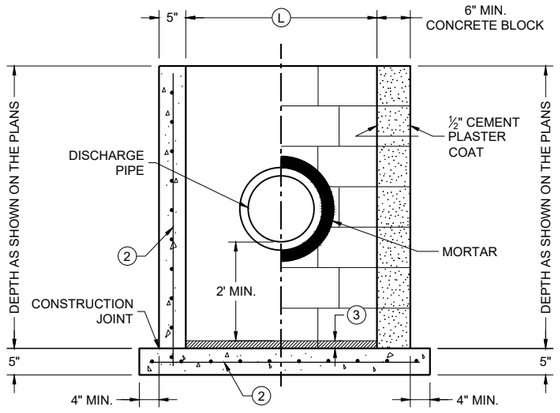
CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER (IN)	
	WIDTH (W)(IN)	LENGTH (L)(IN)
2 X 3-FT	12	24
2.5 X 3-FT	18	24



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

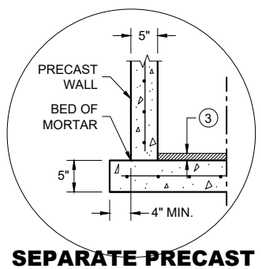
SECTION A - A



CAST IN PLACE REINFORCED CONCRETE

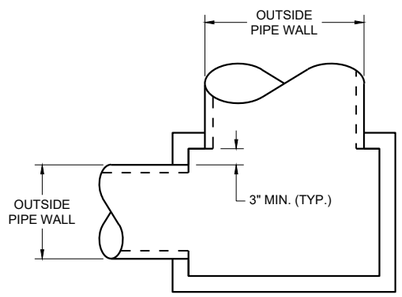
CONCRETE BLOCK ON CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)

SECTION B - B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "B"



DETAIL "A"

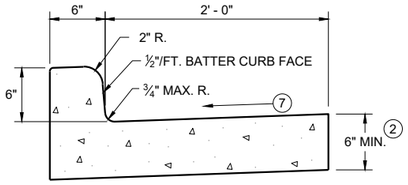
CATCH BASINS 2X3-FT AND 2.5X3-FT

CATCH BASINS
2 X 3-FT AND 2.5 X 3-FT

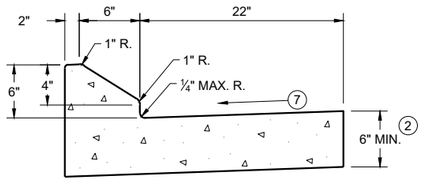
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023 /S/ RODNEY TAYLOR
DATE ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVIS

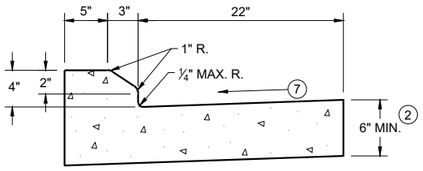
FHWA



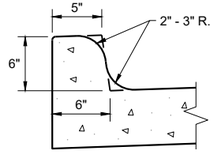
TYPES A (1) & D



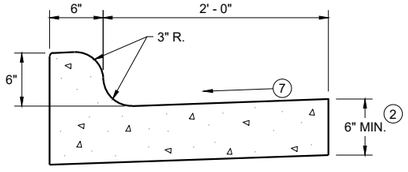
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

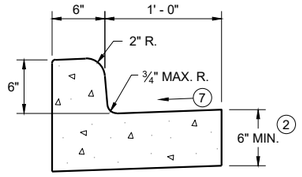


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



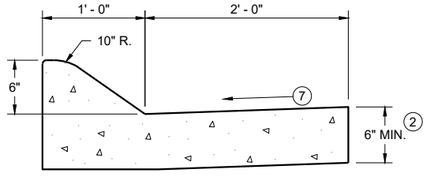
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

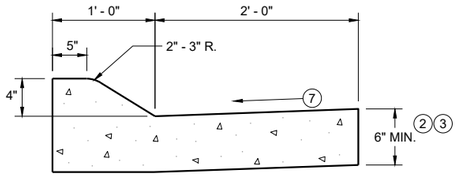


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

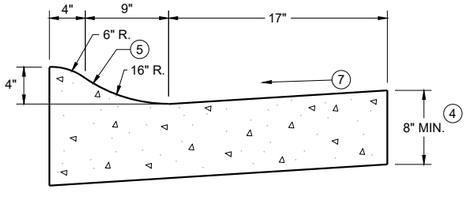


6" SLOPED CURB TYPES A (1) & D



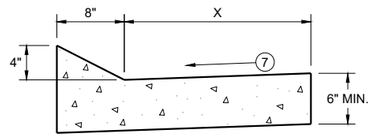
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T
CONCRETE CURB AND GUTTER 30"

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

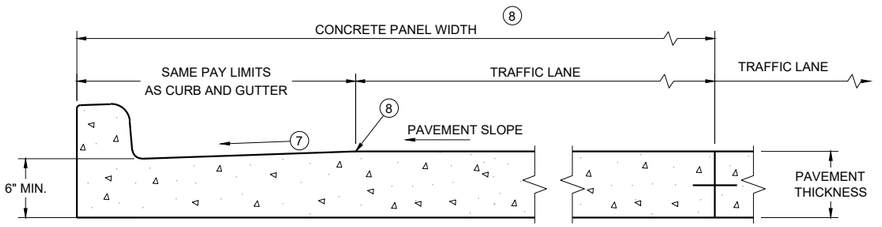


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

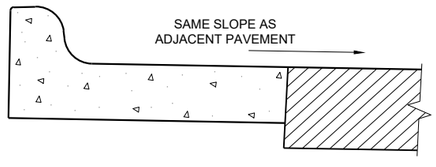
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

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

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

INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

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

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

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

(3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

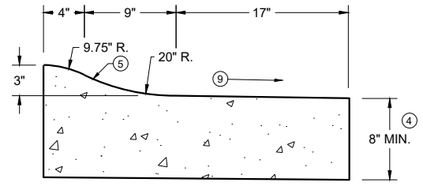
(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

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

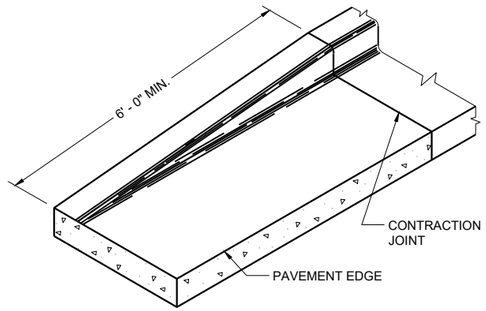
(9) SLOPE TO BE REVERSE SLOPE MATCHING THE SLOPE OF THE PAVEMENT AND THE CIRCULATORY ROADWAY



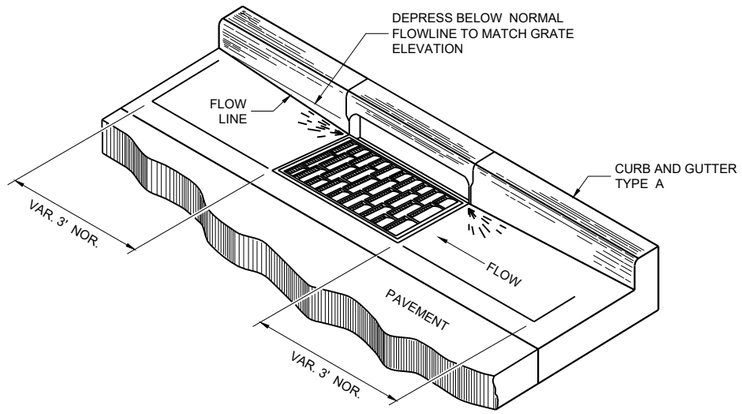
3" SLOPED CURB TYPES R (1) & T

CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



END SECTION CURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS

(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

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

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

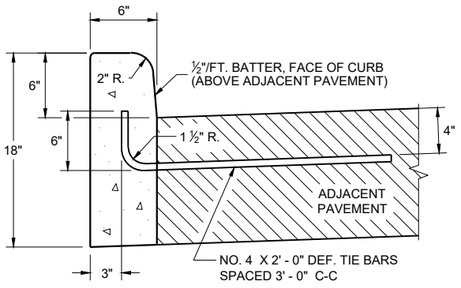
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

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

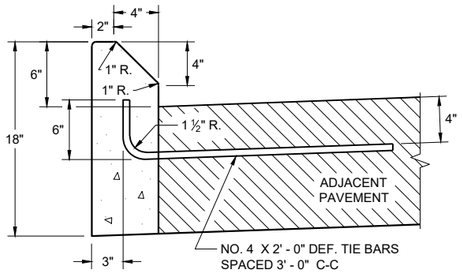
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

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

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

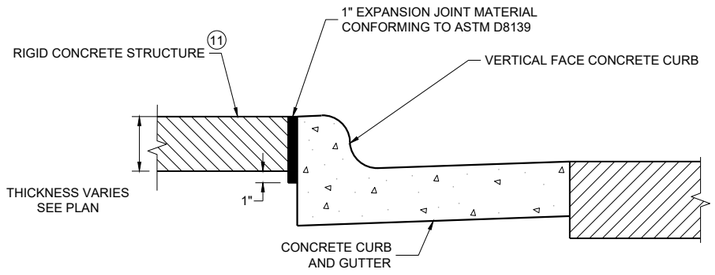


TYPES A (1) & D

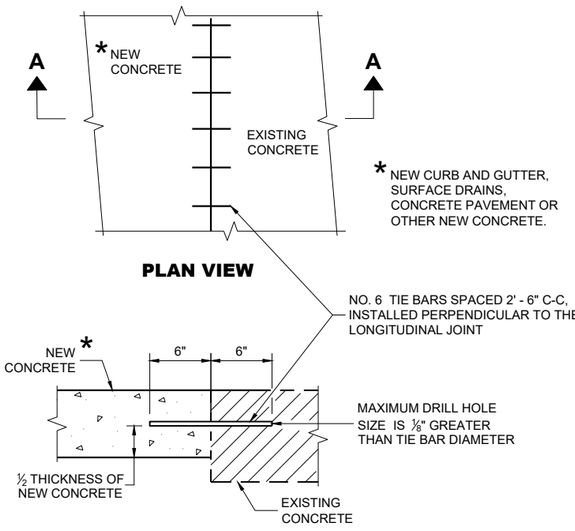


TYPES G (1) & J

CONCRETE CURB



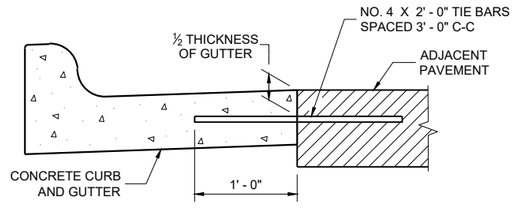
EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE (11)



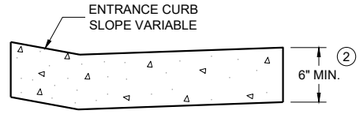
PLAN VIEW

SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (10)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

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SDD 08D01-24b

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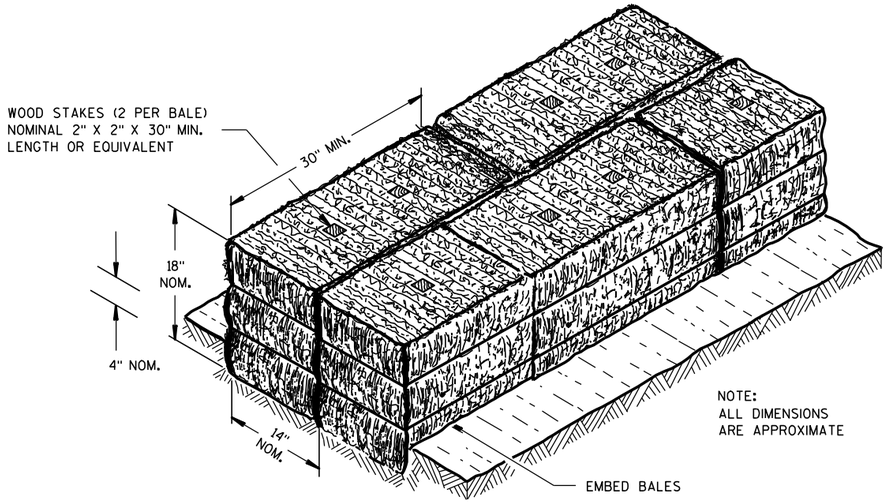
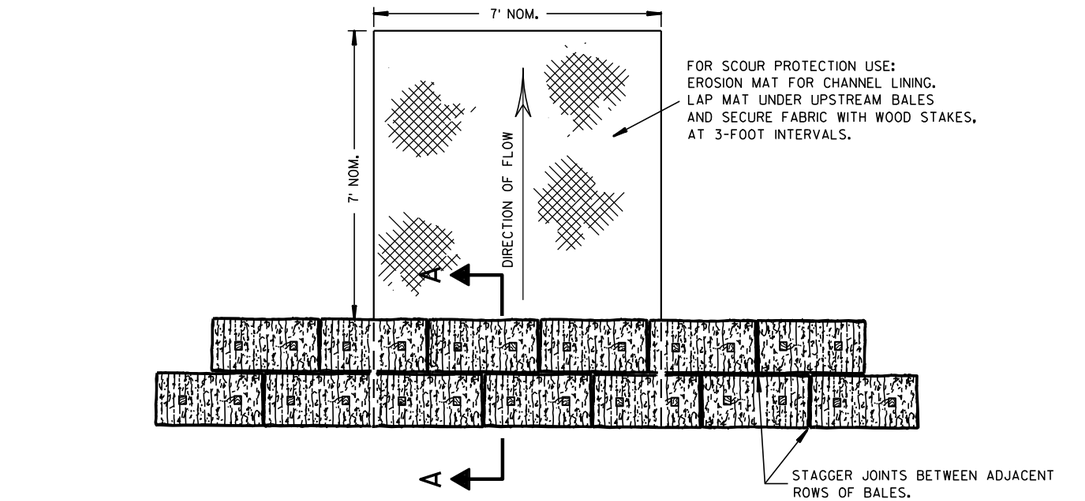
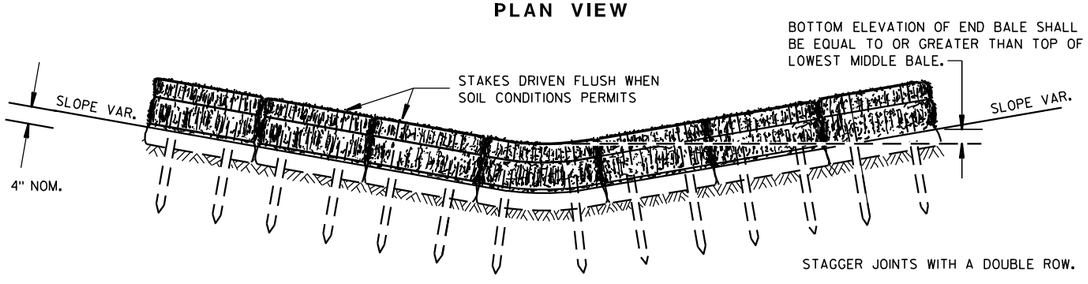
SDD 08D01-24b



SECTION A-A



PLAN VIEW



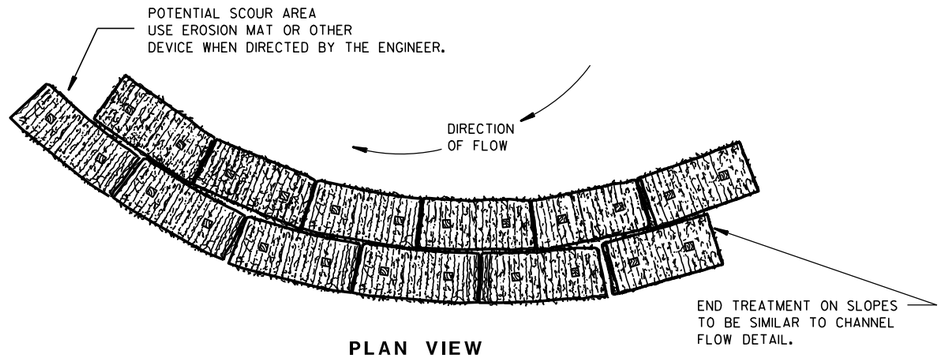
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

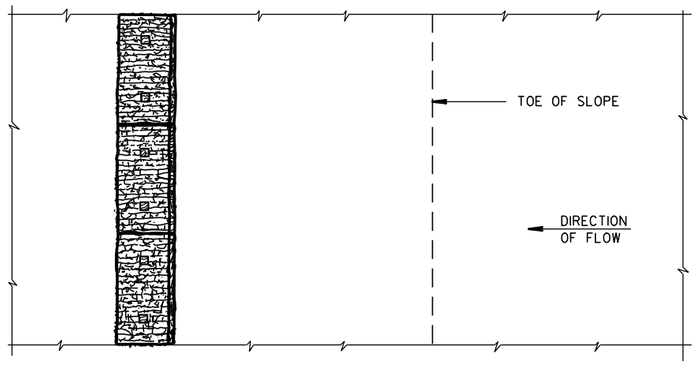
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

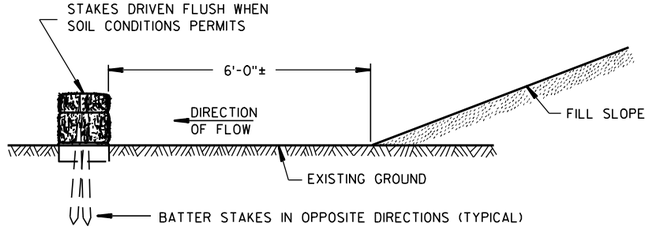


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02 DATE — /S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

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S.D.D. 8 E 8-3

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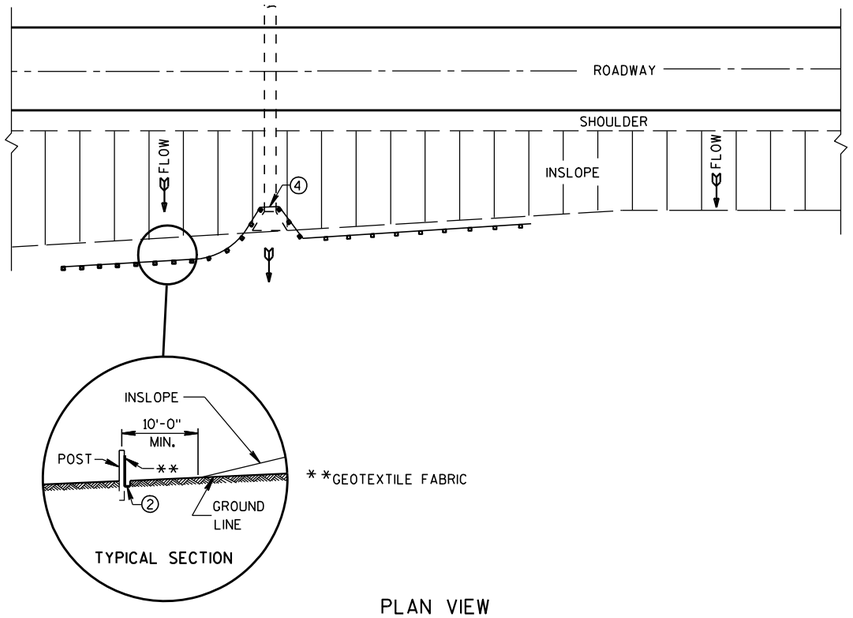
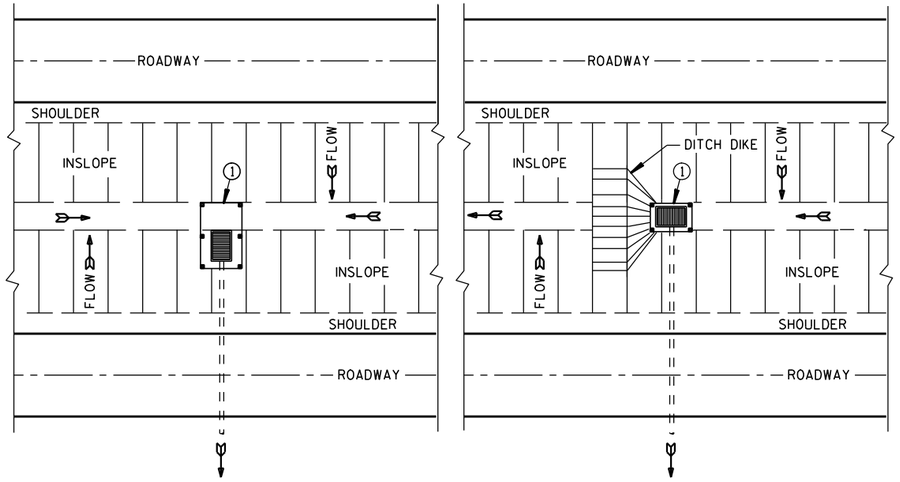
S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



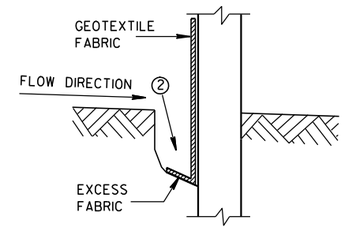
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

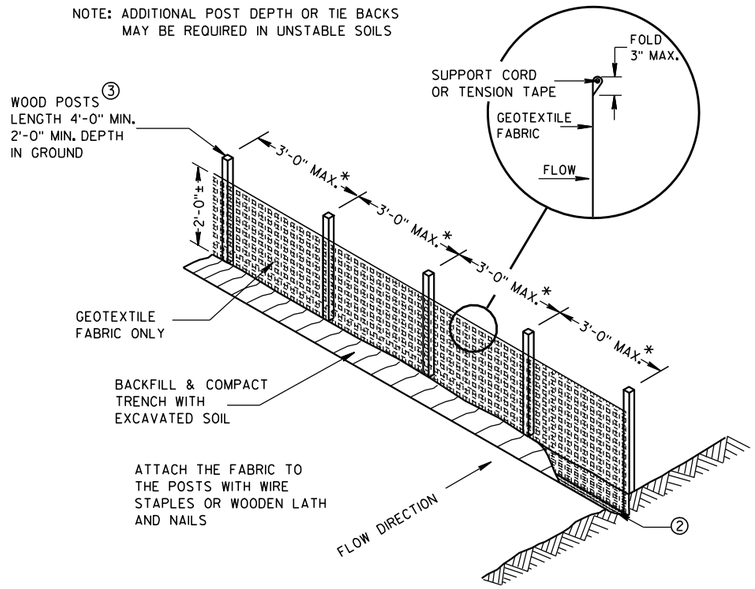
GENERAL NOTES

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

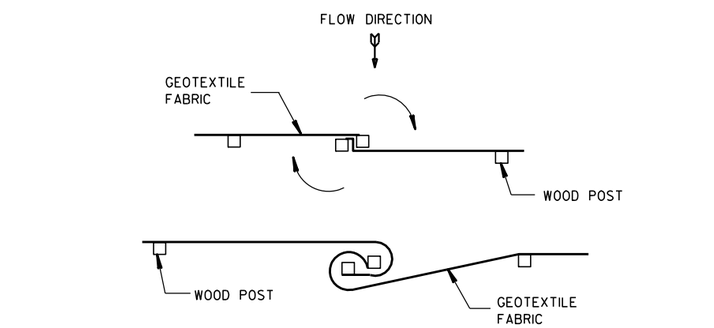
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL 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.



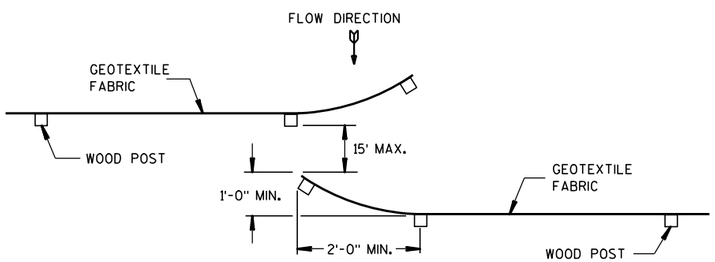
TRENCH DETAIL



SILT FENCE

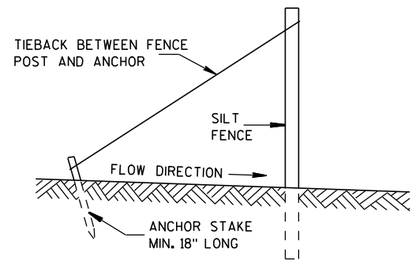


TWIST METHOD



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

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S.D.D. 8 E 9-6

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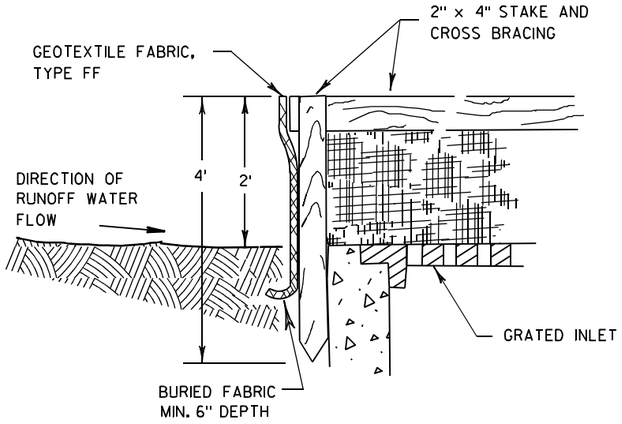
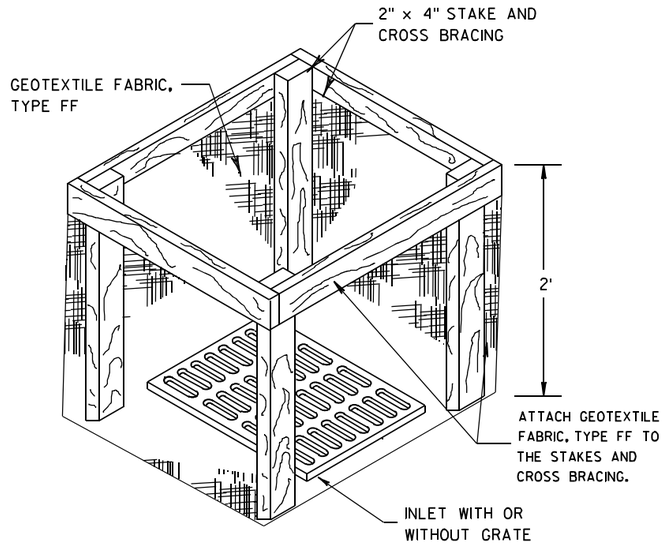
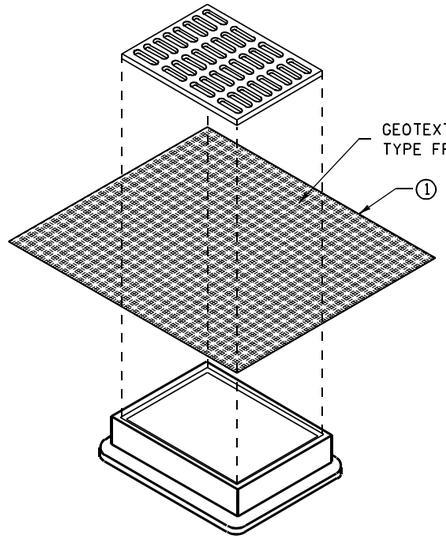
S.D.D. 8 E 9-6



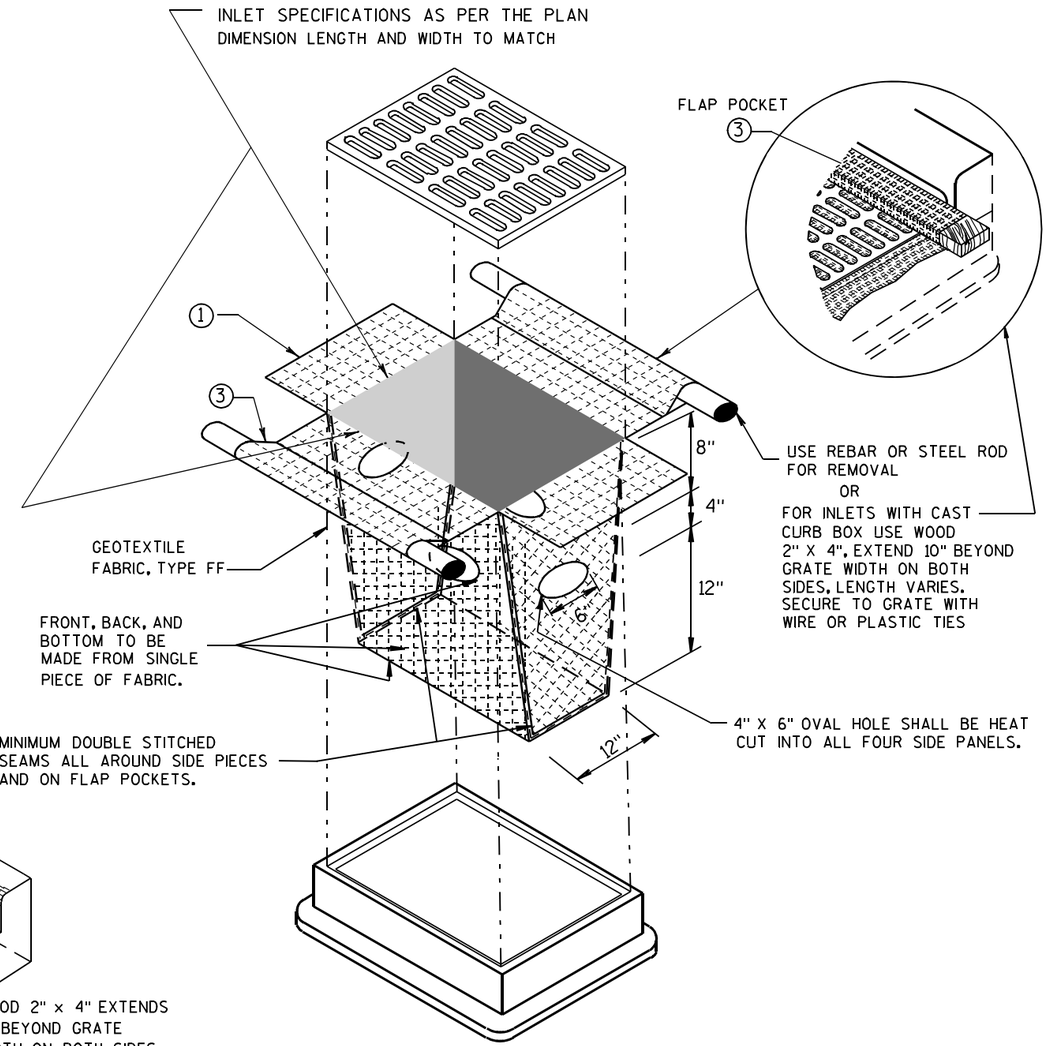


INLET PROTECTION, TYPE A



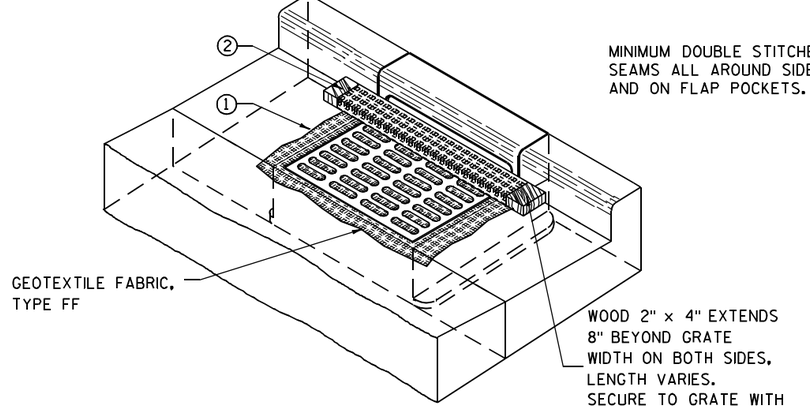
INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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

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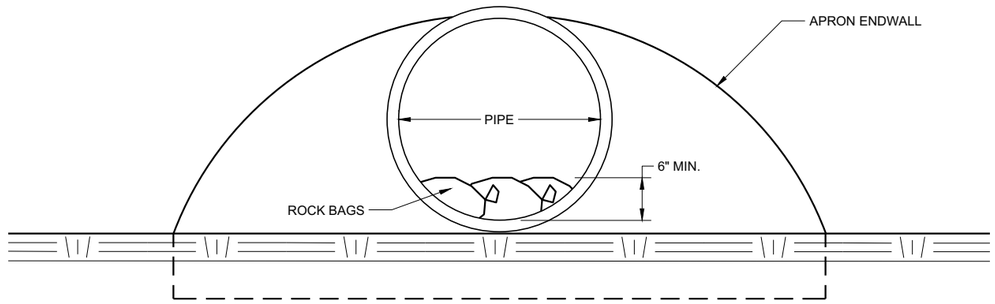
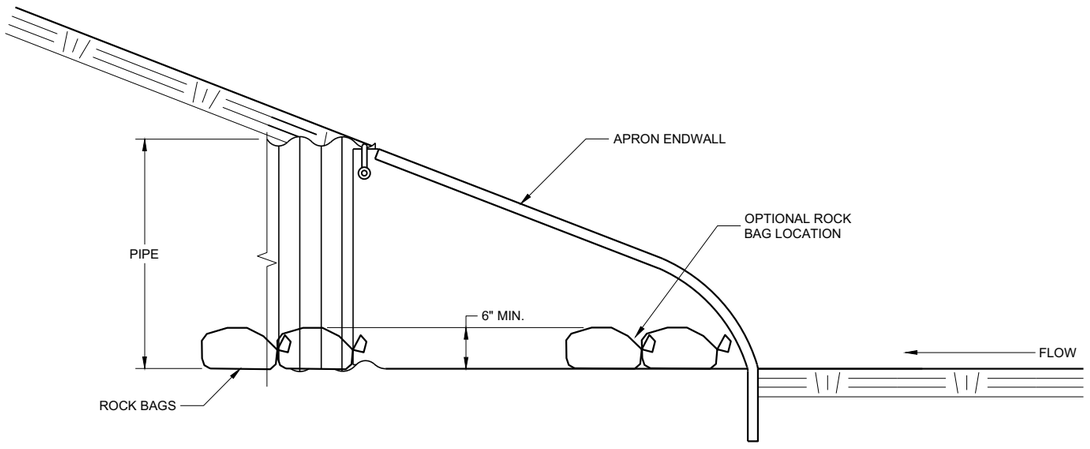
S.D.D. 8 E 10-2



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Daniel Schave
EROSION CONTROL ENGI

FHWA

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SDD 08E15 - 01

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SDD 08E15 - 01

METAL APRON ENDWALLS

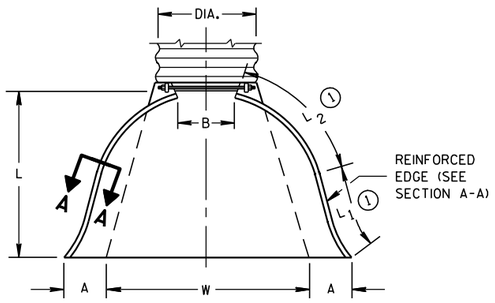
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

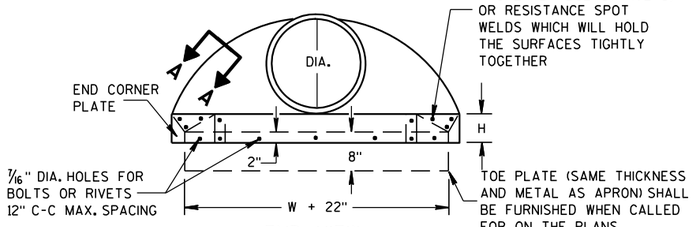
REINFORCED CONCRETE APRON ENDWALLS

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

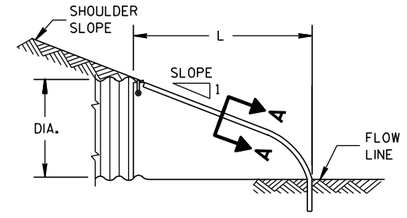
*MINIMUM
**MAXIMUM



PLAN VIEW

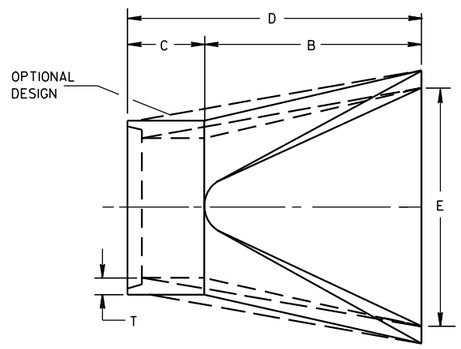


END VIEW

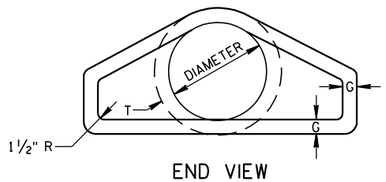


SIDE ELEVATION

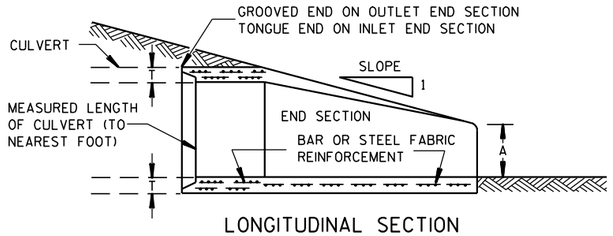
METAL ENDWALLS



PLAN

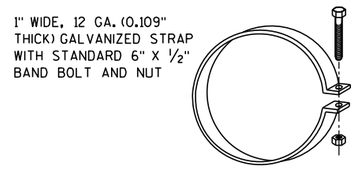


END VIEW



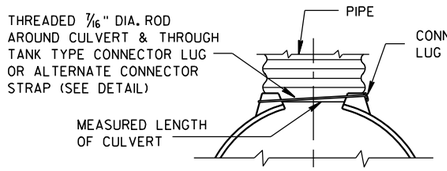
LONGITUDINAL SECTION

CONCRETE ENDWALLS

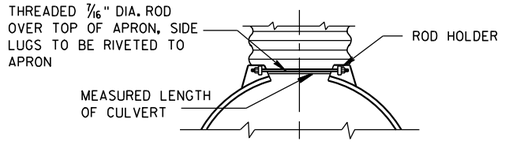


ALTERNATE FOR TYPE 1 CONNECTION

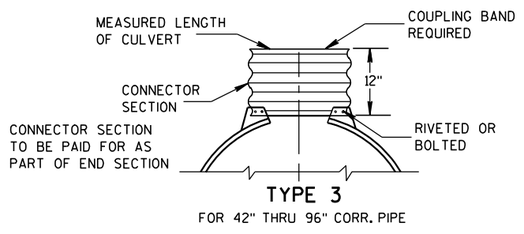
END SECTION CONNECTOR STRAP



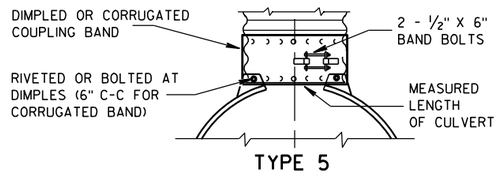
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

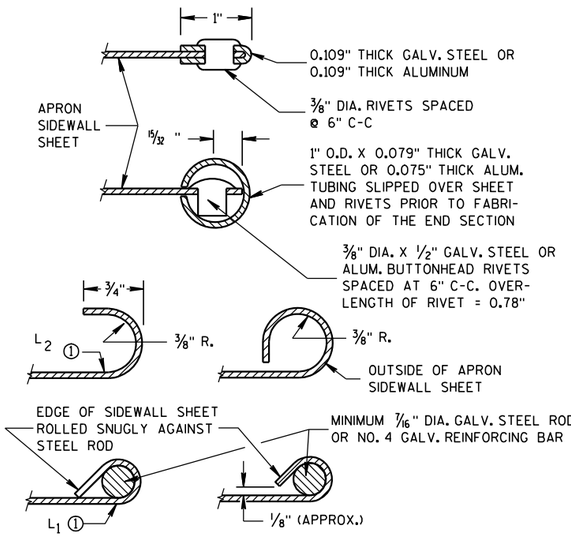
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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

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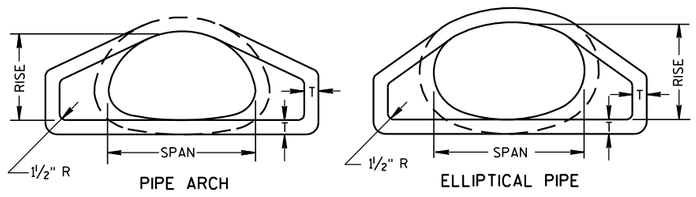
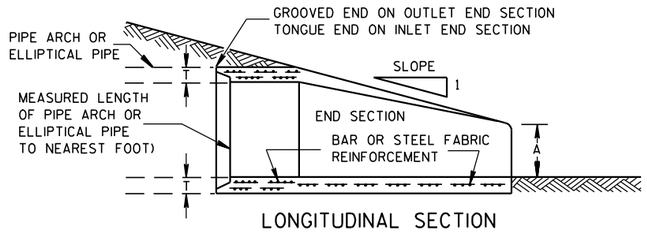
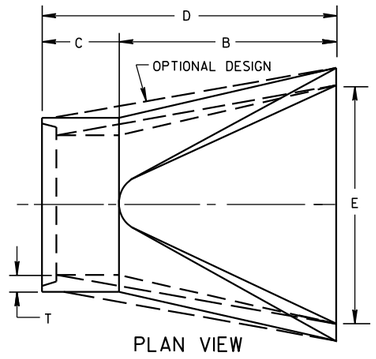
S.D.D. 8 F 1-11



END VIEW

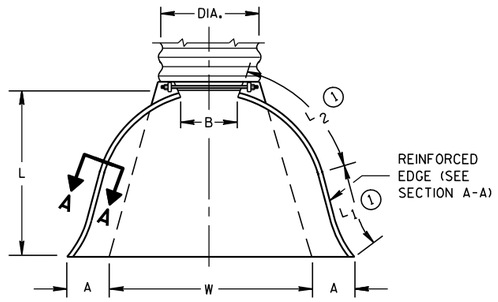


LONGITUDINAL SECTION

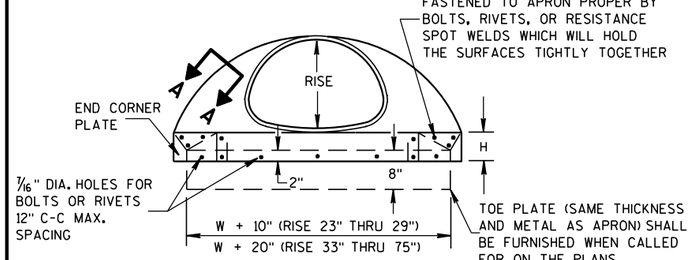


PLAN VIEW

CONCRETE ENDWALLS

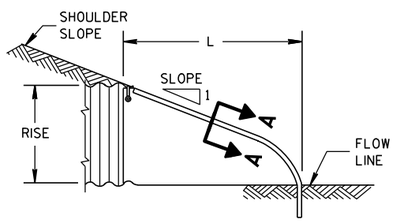


PLAN VIEW



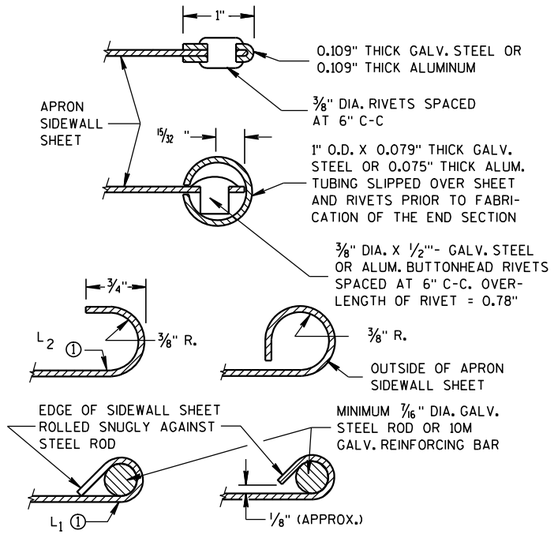
END CORNER PLATES MAY BE FASTENED TO APRON PROPER BY BOLTS, RIVETS, OR RESISTANCE SPOT WELDS WHICH WILL HOLD THE SURFACES TIGHTLY TOGETHER

END VIEW



SIDE ELEVATION

METAL ENDWALLS



SECTION A-A

2- 2/3" X 1/2" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
15	17	13	.064	.060	7	9	6	19	14	16	30	2½ to 1	1 Pc.
18	21	15	.064	.060	7	10	6	23	14	19⅜	36	2½ to 1	1 Pc.
21	24	18	.064	.060	8	12	6	28	18	21¾	42	2½ to 1	1 Pc.
24	28	20	.064	.060	9	14	6	32	18	27½	48	2½ to 1	1 Pc.
30	35	24	.079	.075	10	16	6	39	18	37⅝	60	2½ to 1	1 Pc.
36	42	29	.079	.075	12	18	8	46	24	45⅜	75	2½ to 1	1 Pc.
42	49	33	.109	.105	13	21	9	53	24	54¾	85	2½ to 1	2 Pc.
48	57	38	.109	.105	18	26	12	63	24	68	90	2½ to 1	3 Pc.
54	64	43	.109	.105	18	30	12	70	24	72¾	102	2¼ to 1	3 Pc.
60	71	47	.109*	.105*	18	33	12	77	30	82¼	114	2¼ to 1	3 Pc.
66	77	52	.109*	.105*	18	36	12	77	—	—	126	2 to 1	3 Pc.
72	83	57	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.

3" X 1" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
48	53	41	.109	.105	18	26	12	63	24	72¾	90	2½ to 1	2 Pc.
54	60	46	.109	.105	18	30	12	70	30	82¼	102	2 to 1	2 Pc.
60	66	51	.109*	.105*	18	33	12	77	—	—	114	1½ to 1	3 Pc.
66	73	55	.109*	.105*	18	36	12	77	—	—	126	1½ to 1	3 Pc.
72	81	59	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.
78	87	63	.109*	.105*	22	38	12	77	—	—	148	1½ to 1	3 Pc.
84	95	67	.109*	.105*	22	34	12	77	—	—	162	1½ to 1	3 Pc.
90	103	71	.109*	.105*	22	38	12	77	—	—	174	1½ to 1	3 Pc.
96	112	75	.109*	.105*	24	40	12	77	—	—	174	1½ to 1	3 Pc.

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

* EXCEPT CENTER PANEL SEE GENERAL NOTES

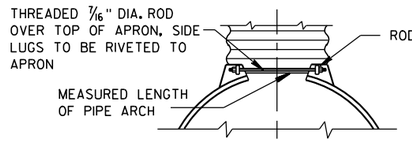
REINFORCED CONCRETE PIPE ARCH

EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	29	18	3	8½	39	33	72	48	3 to 1
30	36	22	3½	9½	50	46	96	60	3 to 1
36	44	27	4	11⅛	60	36	96	72	3 to 1
42	51	31	4½	15 13/16	60	36	96	78	3 to 1
48	58	36	5	21	60	36	96	84	3 to 1
54	65	40	5½	25½	60	36	96	90	3 to 1
60	73	45	6	31	60	36	96	96	3 to 1
72	88	54	7	31	60	39	99	120	2 to 1
84	102	62	8	28½	83	19	102	144	2 to 1

REINFORCED CONCRETE ELLIPTICAL PIPE

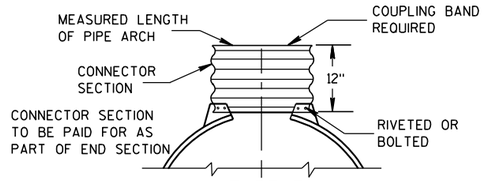
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE



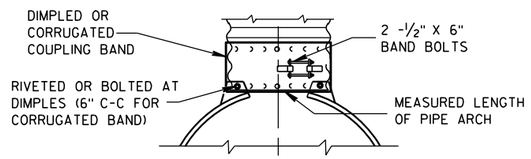
TYPE 2

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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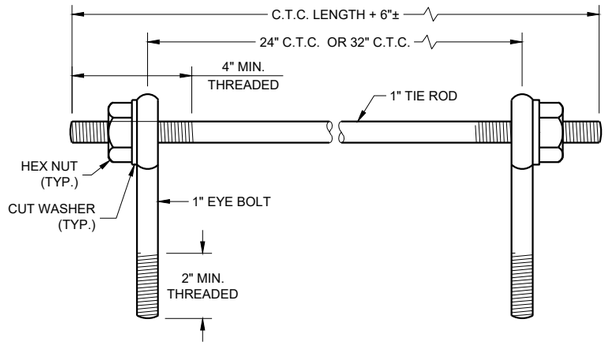
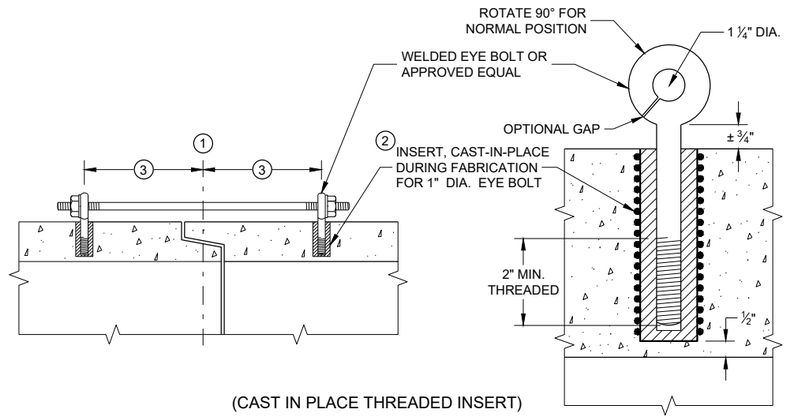
S.D.D. 8 F 2-1



EYE BOLTS AND TIE ROD



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

(1) CENTER LINE OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

(2) THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

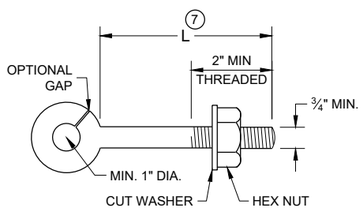
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

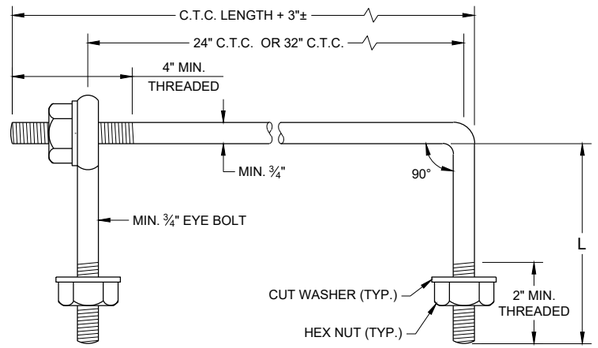
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

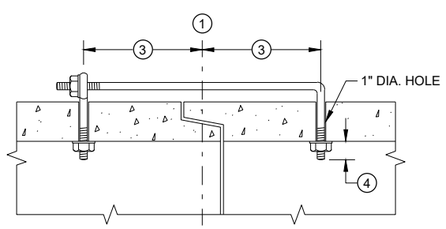


EYE BOLT (7)

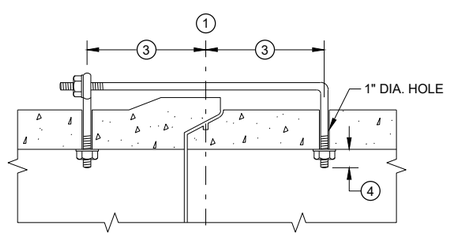
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

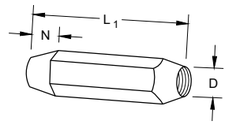
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12 - 60	⅝	⅝	5	½
66 - 84	¾	¾	5	½
90 - 144	1	1	7	1 7/16

DIMENSIONS SHOWN ARE IN INCHES



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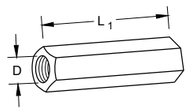
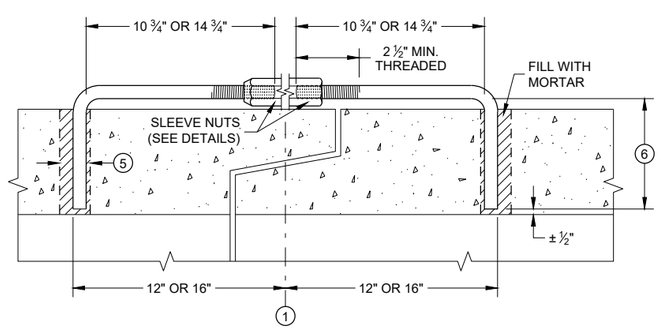


PLAIN

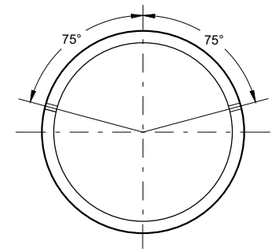
RIGHT AND LEFT THREADS

SLEEVE NUTS



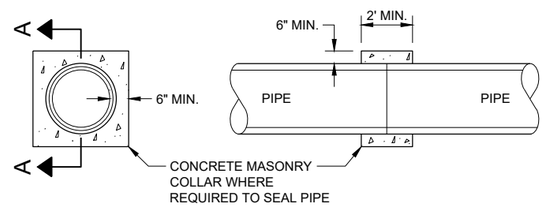
LONGITUDINAL SECTION

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A - A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

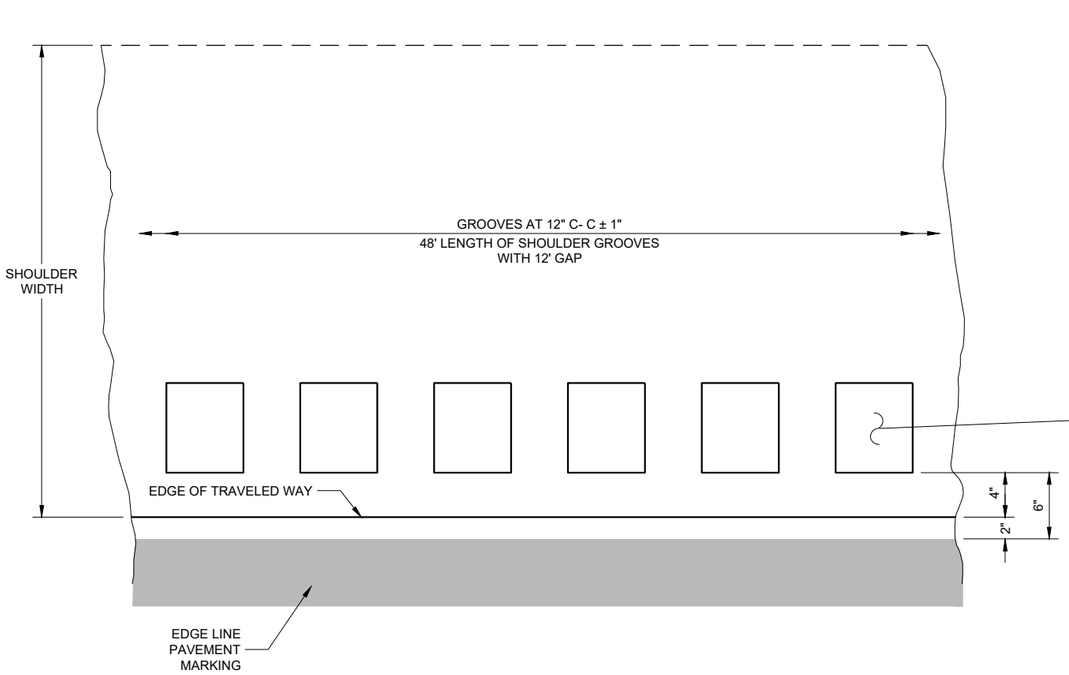
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021
DATE

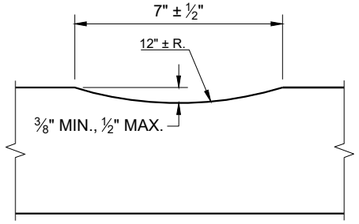
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

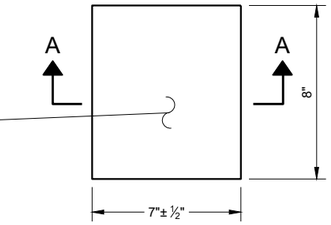
6
SDD 08F04 - 08



PLAN DETAIL VIEW
SHOULDER WITH GROOVES



SECTION A - A

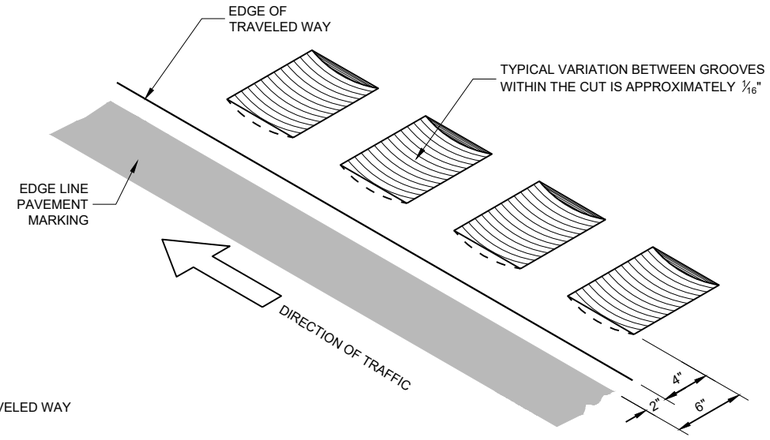


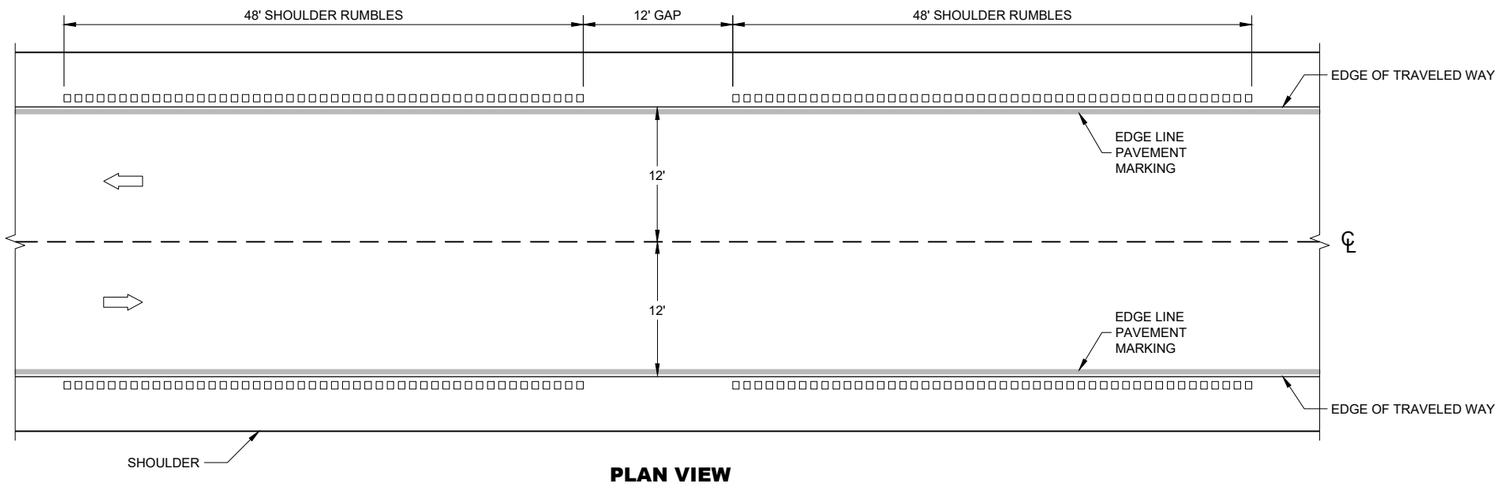
PLAN VIEW
(SINGLE GROOVE)

GENERAL NOTES

DO NOT MILL SHOULDER GROOVES THROUGH INTERSECTIONS, MARKED CROSSWALKS, NON-MOTORIZED PATH CROSSINGS, ETC. REFER TO SDD 13A10 SHEETS "g" AND "h".

SHOULDER GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS WHEN DIRECTED BY THE ENGINEER.





PLAN VIEW

SHOULDER RUMBLE STRIPS - ASPHALT

SHOULDER RUMBLE STRIPS ASPHALT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

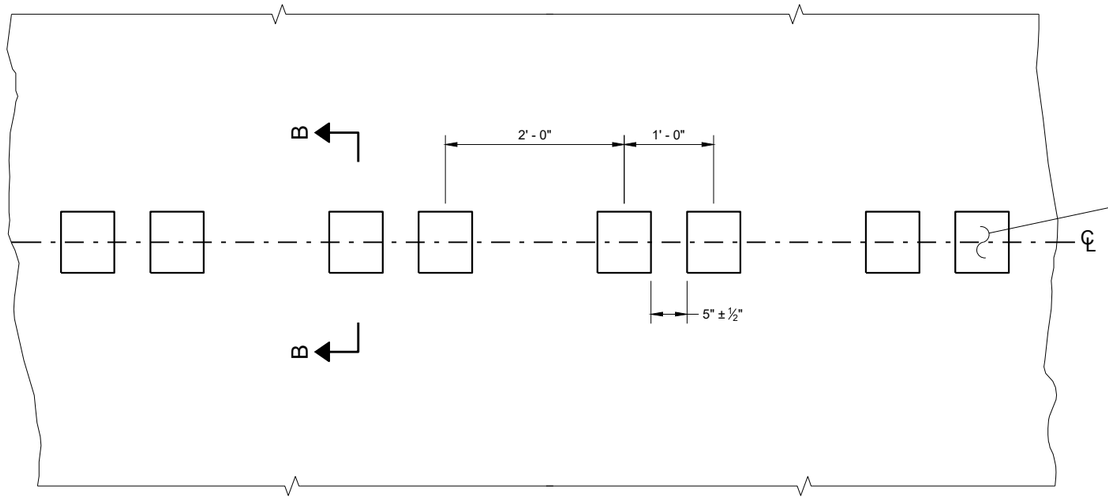
6

SDD 13A10 - 03a

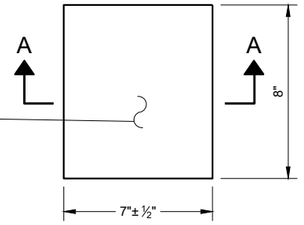
GENERAL NOTES

DO NOT MILL SHOULDER GROOVES THROUGH INTERSECTIONS, MARKED CROSSWALKS, NON-MOTORIZED PATH CROSSINGS, ETC. REFER TO SDD 13A11 SHEETS "d" AND "e".

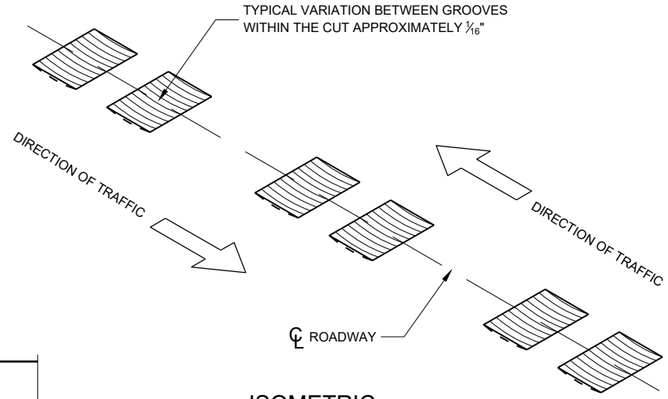
CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS WHEN DIRECTED BY THE ENGINEER.



PLAN DETAIL VIEW



PLAN VIEW
(SINGLE GROOVE)



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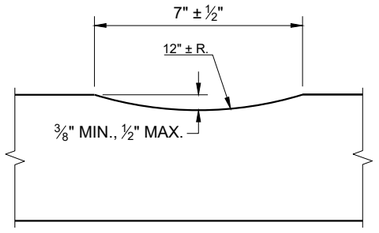
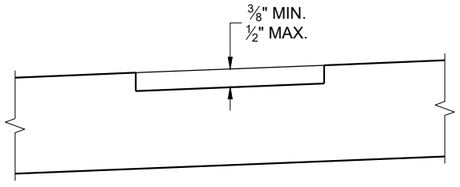
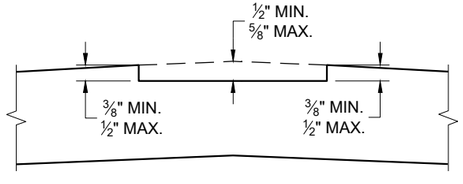


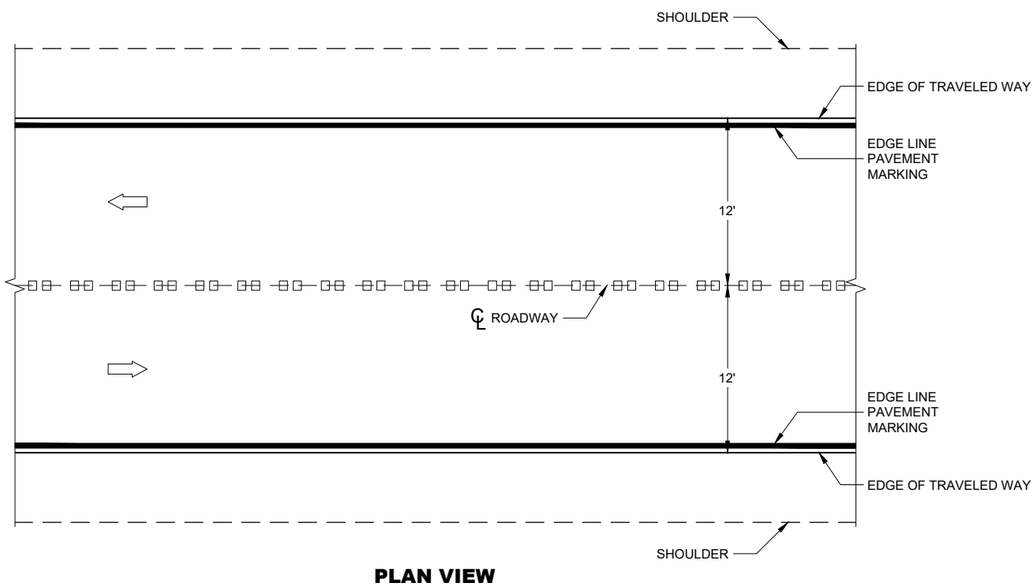
SECTION A - A



SECTION B - B
SUPERELEVATED ROADWAY



SECTION B - B
CROWNED ROADWAY



PLAN VIEW

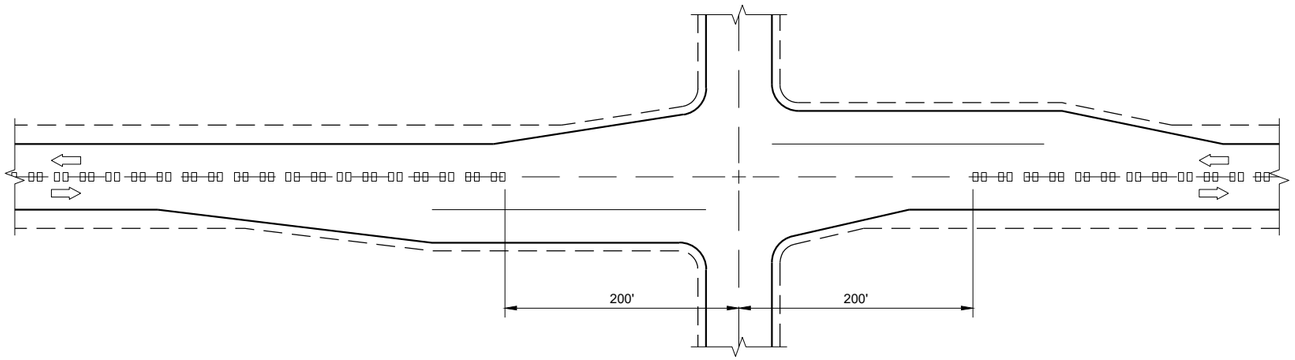
CENTERLINE RUMBLE STRIPS - ASPHALT

CENTERLINE RUMBLE STRIPS - ASPHALT

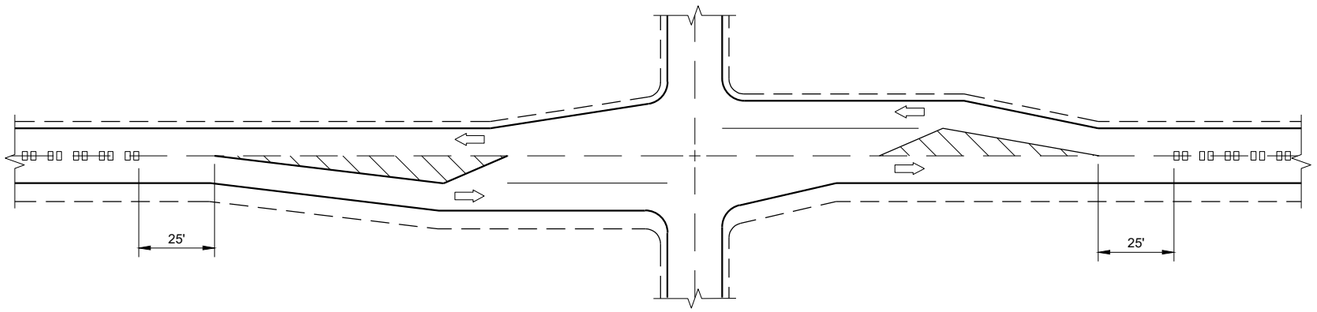
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

6

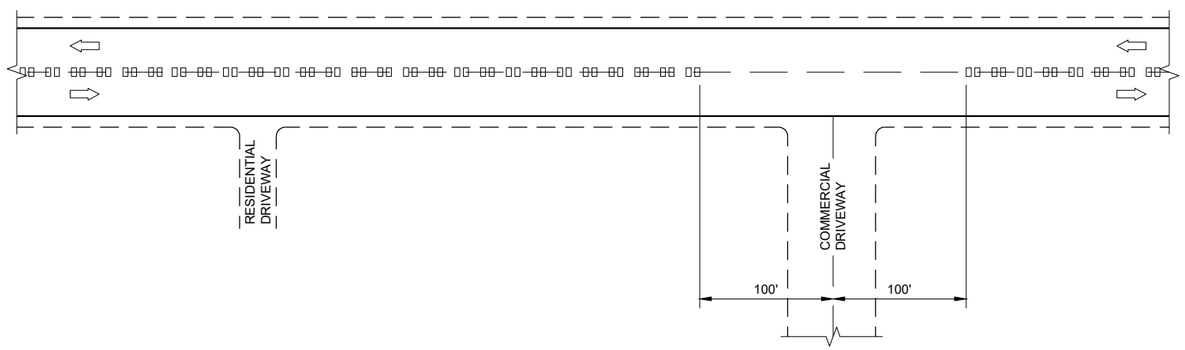
SDD13A11 - 04a



CENTERLINE GROOVES AT INTERSECTIONS



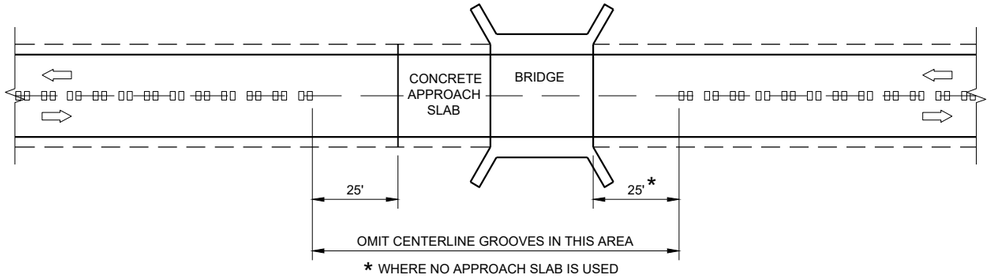
CENTERLINE GROOVES AT INTERSECTIONS (WITH LEFT TURN LANES)



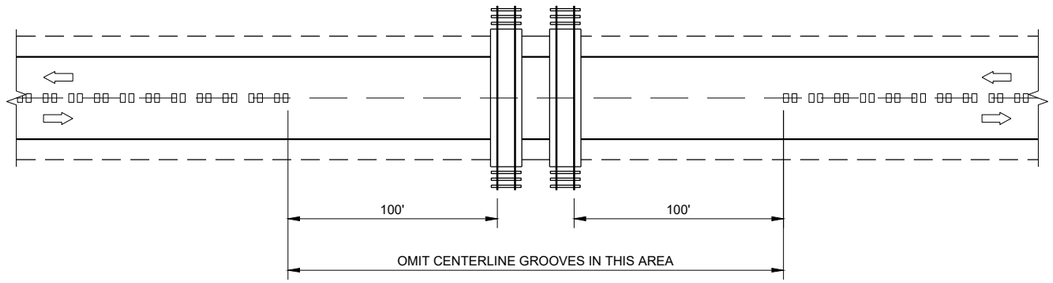
CENTERLINE GROOVES AT DRIVEWAYS (1)

GENERAL NOTES

(1) CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS WHEN DIRECTED BY THE ENGINEER.



CENTERLINE GROOVES AT BRIDGES



CENTERLINE GROOVES AT RAILROADS

CENTER LINE RUMBLE STRIPS - INTERSECTIONS, DRIVEWAYS, BRIDGES, RAIL ROADS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ John Jenkins — ROADWAY STANDARDS DEVE ENGINEER

FHWA

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SDD 13A11 - 04d

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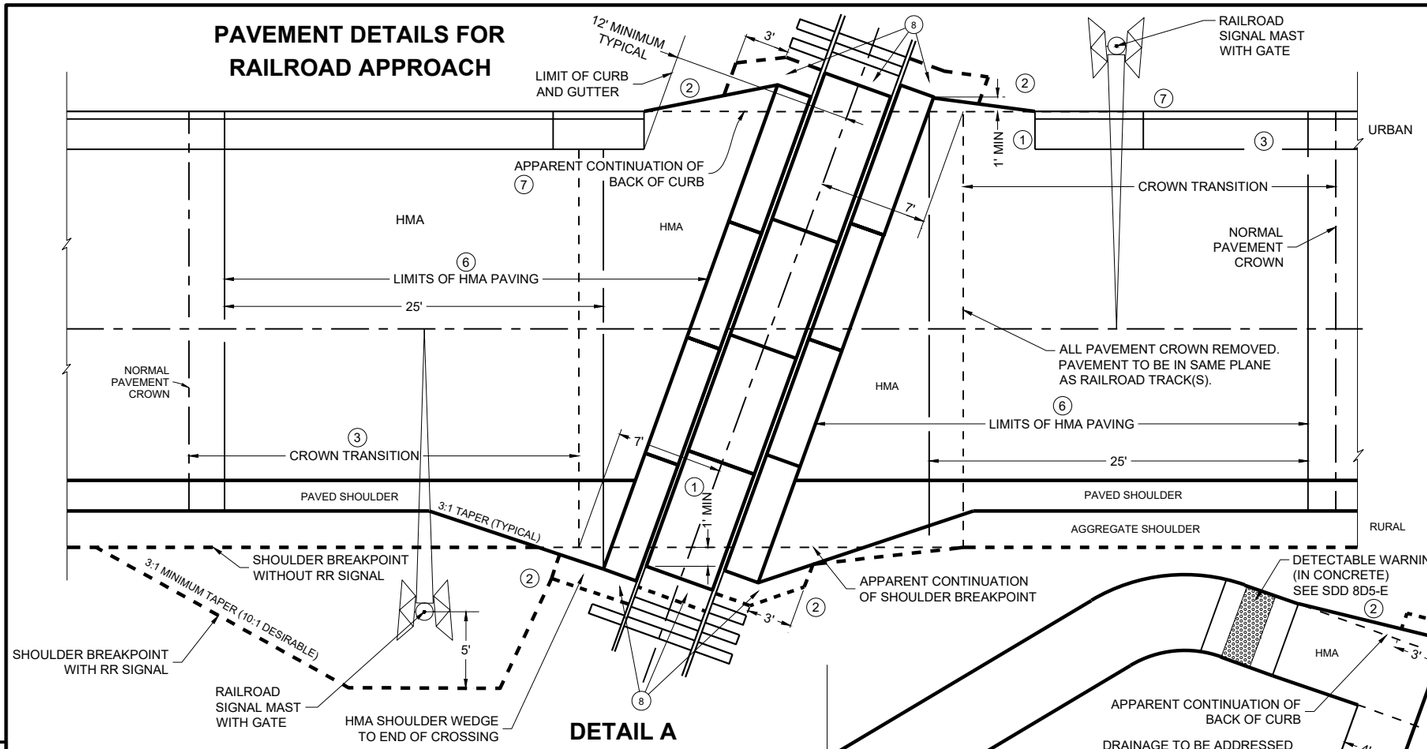
SDD 13A11 - 04d

PAVEMENT DETAILS FOR RAILROAD APPROACH



DETAIL A
RAILROAD APPROACH

GENERAL NOTES CONTINUED

(1) 1' MINIMUM CROSSING SURFACE COVERAGE PAST THE APPARENT CONTINUATION OF SHOULDER BREAKPOINT, BACK OF CURB, OR OUTSIDE EDGE OF SIDEWALK/PATH. INDIVIDUAL RAILROADS MAY HAVE DIFFERENT MINIMUM STANDARDS.

(2) HMA FLARE FROM OUTSIDE EDGE OF SIDEWALK/PATH, BACK OF CURB, OR AGGREGATE SHOULDER BREAKPOINT TO THE END OF CROSSING SURFACE MATERIAL.

(3) CROWN TRANSITION LENGTH SHOWN ELSEWHERE IN THE PLAN.

(4) NEAR EDGE OF PATH TO THE CENTER OF SIGNAL OR GATE MAST SHOULD BE A MINIMUM OF 5'-0". FOR SIDEWALK, THE NEAR EDGE SHOULD BE A MINIMUM OF 3'-0" TO THE CENTER OF SIGNAL OR GATE. NEAR EDGE OF SIDEWALK TO A NON-GATED MAST OR CANTILEVER SHOULD BE A MINIMUM OF 2'-6". SEE PLAN FOR RAILROAD SIGNAL AND GATE LOCATION IF THEY ARE NOT ALREADY INSTALLED.

(5) TERRACE WIDTH VARIES. SEE PLAN FOR RAILROAD SIGNAL AND GATE LOCATIONS. PER PLAN OR PROJECT ENGINEER THE TERRACE AND SIDEWALK/PATH GRADES SHALL BE TRANSITIONED TO MATCH THE GRADE OF THE TRACK. FIELD FIT TO AVOID PONDING.

(6) 25' MINIMUM HMA PAVING MEASURED PARALLEL TO THE ROAD OR 10' MINIMUM MEASURED PERPENDICULAR TO THE TRACK FROM THE EDGE OF THE CROSSING SURFACE, WHICHEVER IS GREATER.

(7) REFERENCE SDD 8-D-01 END SECTION CURB AND GUTTER. MEDIAN END NEAR THE TRACK SHOULD BE PARALLEL TO THE TRACK. 6'-0" TAPER FOR A MEDIAN SHOULD BE REDUCED TO GET FULL HEIGHT CURB WHERE THE GATE COMES DOWN. DESIGN OPTION TO POUR MEDIAN TAPER IN ONE PIECE. BUILD PER PLAN UNLESS OTHERWISE APPROVED BY THE RAILROAD ENGINEER AND THE PROJECT ENGINEER.

(8) IF METAL END PLATES ARE NOT INSTALLED BY THE RAILROAD THEN HMA PAVEMENT WEDGE SHALL BE PLACED AT THE END OF THE LAST PANEL TAPERED TO BACK EDGE OF NEXT TIE AND THOROUGHLY COMPACTED. SEE DETAIL G.

GENERAL NOTES

PLANS AND SECTIONS ARE TYPICAL. DIMENSIONS VARY PER PROJECT.

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

CROSSING SURFACE MATERIAL, RAILS, TIES, BALLAST, AND CROSSING DRAINAGE SYSTEM BY OTHERS UNLESS DIRECTED OTHERWISE. IF THE FINAL GRADES DON'T MATCH TO THE PLAN GRADES THEN GRADE ADJUSTMENTS WILL BE NECESSARY. CONFIRM NEW GRADES WITH PROJECT ENGINEER.

HMA PAVEMENT APPROACHES, HMA PAVEMENT CROSSING SURFACES, AND HMA FLANGEWAY/FIELD FILLERS TO BE REPLACED BY ROADWAY CONTRACTOR UNLESS DIRECTED OTHERWISE BY THE PLANS, SPECIAL PROVISIONS, RAILROAD ENGINEER, OR PROJECT ENGINEER.

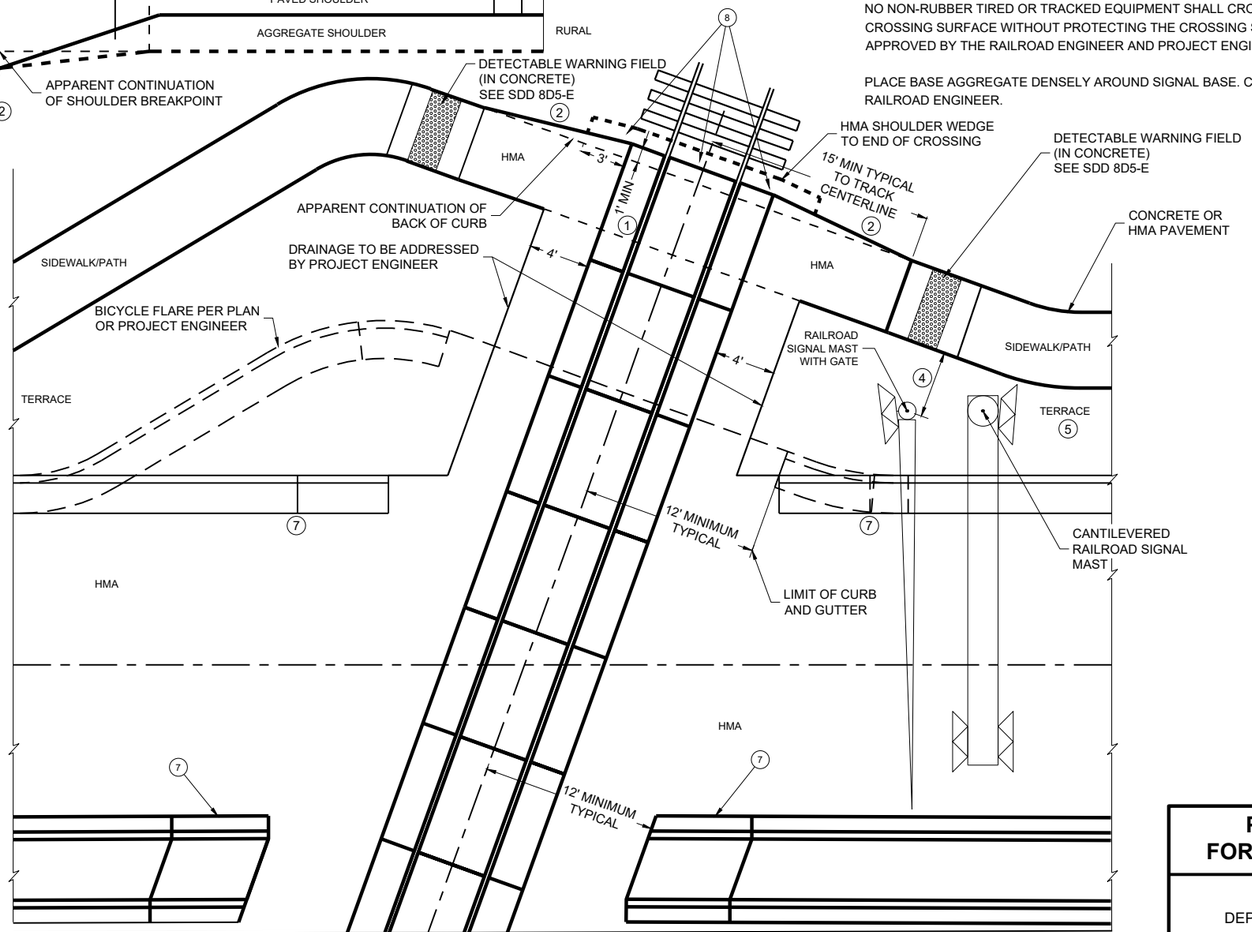
HMA PAVEMENT SHALL BE ROLLED PARALLEL TO THE TRACK.

WHEN THERE IS A SIDEWALK OR SHARED-USE PATH, ADD DETECTABLE WARNING FIELDS PER CURRENT STANDARD DETAIL DRAWING 8D5-E.

THE CROSSING SHALL NOT BE OPENED TO ANY TYPE OF TRAFFIC UNTIL IT IS FULLY PAVED AND COOLED SUFFICIENTLY UNLESS OTHERWISE APPROVED BY THE RAILROAD ENGINEER AND THE PROJECT ENGINEER.

NO NON-RUBBER TIRED OR TRACKED EQUIPMENT SHALL CROSS OR SIT ON THE CROSSING SURFACE WITHOUT PROTECTING THE CROSSING SURFACE WITH A METHOD APPROVED BY THE RAILROAD ENGINEER AND PROJECT ENGINEER.

PLACE BASE AGGREGATE DENSELY AROUND SIGNAL BASE. COORDINATE WITH THE RAILROAD ENGINEER.



DETAIL B
MEDIAN AND SIDEWALK/SHARED-USE PATH APPROACH

PAVEMENT DETAILS FOR RAILROAD APPROACH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Kristen Sommers
STATE RAILROAD ENGINEERING AND SAFETY SUPERVISOR

FHWA

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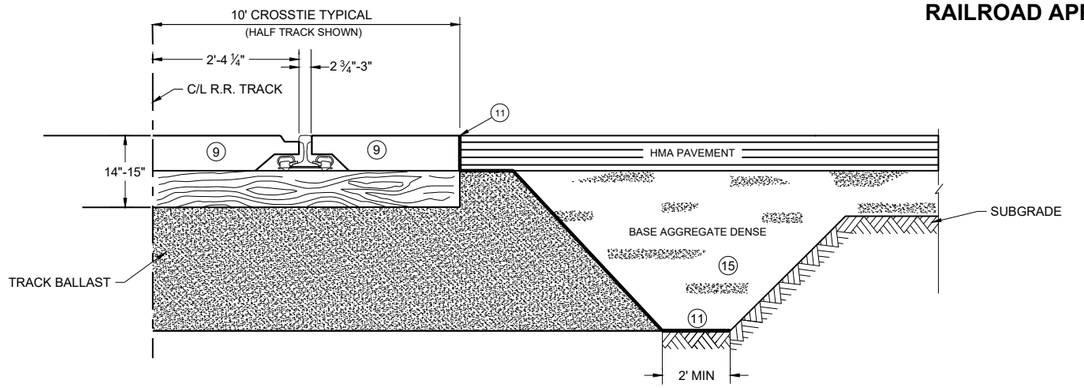
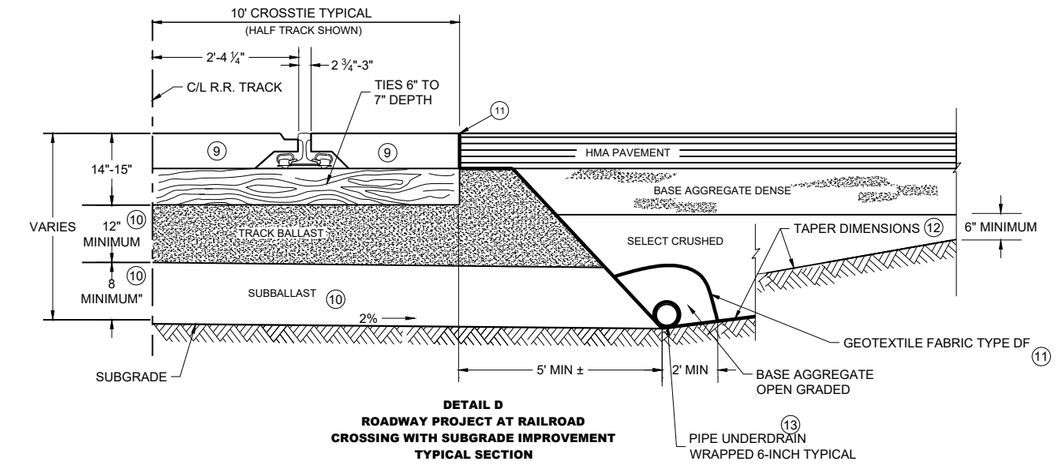
SDD 13B01-11a

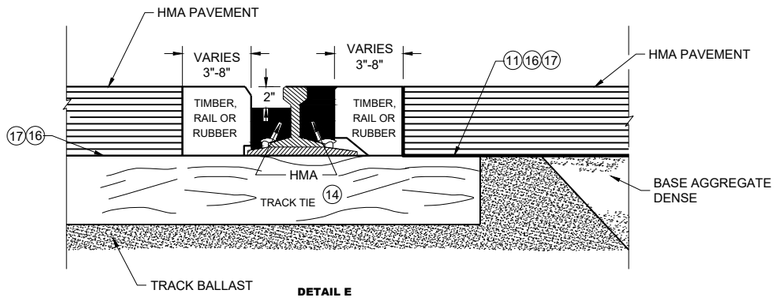
TYPICAL SECTIONS FOR RAILROAD APPROACH



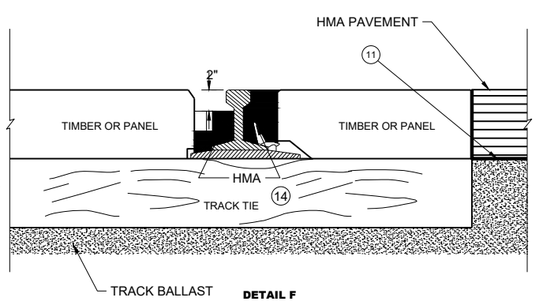
DETAIL C
ROADWAY PROJECT AT RAILROAD
CROSSING WITHOUT SUBGRADE IMPROVEMENT
TYPICAL SECTION



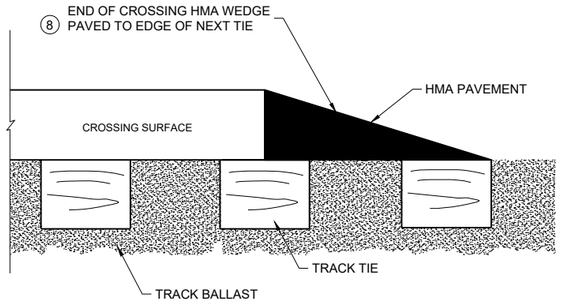
DETAIL D
ROADWAY PROJECT AT RAILROAD
CROSSING WITH SUBGRADE IMPROVEMENT
TYPICAL SECTION



DETAIL E
TIMBER, RAIL OR RUBBER SECTION
HMA FLANGEWAY
AND FIELD FILLERS



DETAIL F
PANEL SECTION
HMA FLANGEWAY
AND FIELD FILLERS



DETAIL G
END OF CROSSING HMA WEDGE

GENERAL NOTES

(8) IF METAL END PLATES ARE NOT INSTALLED BY THE RAILROAD THEN HMA PAVEMENT WEDGE SHALL BE PLACED AT THE END OF THE LAST PANEL TAPERED TO BACK EDGE OF NEXT TIE AND THOROUGHLY COMPACTED. SEE DETAIL A AND B.

(9) MATCH THE CROSSING TYPE THAT IS INSTALLED UNLESS OTHERWISE DIRECTED BY PROJECT ENGINEER.

(10) TRACK BALLAST AND SUBBALLAST REQUIRED 12" AND 8" MINIMUM DEPTHS RESPECTIVELY. DIMENSION FROM BOTTOM OF TRACK TIE TO HIGH SIDE OF 2% SLOPE. THE 2% SLOPE IS REQUIRED ON RAILROAD SUBBALLAST. SEE PLAN FOR CROWN, MATERIAL THICKNESS, AND SLOPE DIRECTION. SUBBALLAST CAN BE HMA, 1 1/2" BASE AGGREGATE DENSE, SELECT CRUSHED, OR A COMBINATION OF THEM.

(11) GEOTEXTILE FABRIC TYPE SAS PLACED IN ORDER TO PROVIDE STABILIZATION AND SEPARATION ON TOP OF THE TRACK BALLAST WHERE IT IS UNDER HMA PAVEMENT, BASE AGGREGATE DENSE OR SELECT CRUSHED MATERIAL AND THE FIELD SIDE BALLAST CRIBS. GEOTEXTILE FABRIC TYPE DF PLACED IN ORDER TO PROVIDE STABILIZATION AND SEPARATION UNDER AND AROUND THE PIPE UNDERDRAIN. PLACING GEOTEXTILE FABRIC OR GEOGRID UNDER THE SUBBALLAST IS OPTIONAL.

(12) TAPER DIMENSIONS PROVIDED BY PLAN OR BY PROJECT ENGINEER.

(13) IF SHOWN ON THE PLAN, TYPICAL 6-INCH PERFORATED PVC SCHEDULE 80 PIPE UNDERDRAIN TO BE PLACED ALONG THE TOE OF SLOPE, GRADED TO DRAIN AND DAYLIGHT OR INTO STORM SEWER. BASE AGGREGATE OPEN GRADED OVER PIPE UNDERDRAIN AND THEN WRAPPED IN GEOTEXTILE FABRIC TYPE DF SCHEDULE A IN ORDER TO STABILIZE AND SEPARATE FROM SELECT CRUSHED.

(14) HMA FLANGEWAY AND FIELD FILLERS ARE TO BE PLACED AND THOROUGHLY HAND COMPACTED BY THE CONTRACTOR, WHEN NOT PROVIDED BY OTHERS AS PART OF THE CROSSING SURFACE MATERIAL. IF THE CROSSING SURFACE IS NOT BEING REPLACED, THEN REMOVE AND REPLACE THE HMA FLANGEWAY AND FIELD FILLERS AS DIRECTED BY THE RAILROAD OR PROJECT ENGINEER.

(15) GRADE TO MATCH EXISTING OR PROPOSED TYPICAL SECTION OF ROADWAY. SEE PLAN OR PROJECT ENGINEER FOR MORE DETAIL. IF NOT NOTED OTHERWISE IN THE PLAN, BACKFILL ANY REMOVED BASE AND SUBGRADE WITH BASE AGGREGATE DENSE.

(16) IF THE CROSSING IS NOT BEING REPLACED, REMOVE AND REPLACE HMA AS DIRECTED BY RAILROAD AND PROJECT ENGINEER. CARE MUST BE TAKEN TO NOT DAMAGE CROSSING PANELS, TIES, RAIL, PLATES AND SPIKES.

(17) PLACE HMA FULL DEPTH. AGGREGATE IS NOT TO BE PLACED BETWEEN THE RAILROAD TIES AND THE HMA PAVEMENT.

TYPICAL SECTIONS FOR RAILWAY APPROACH

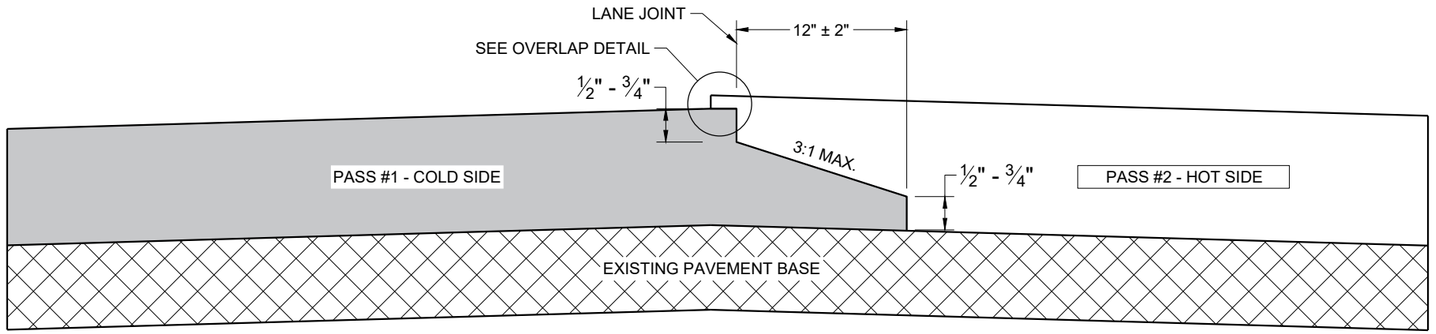
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

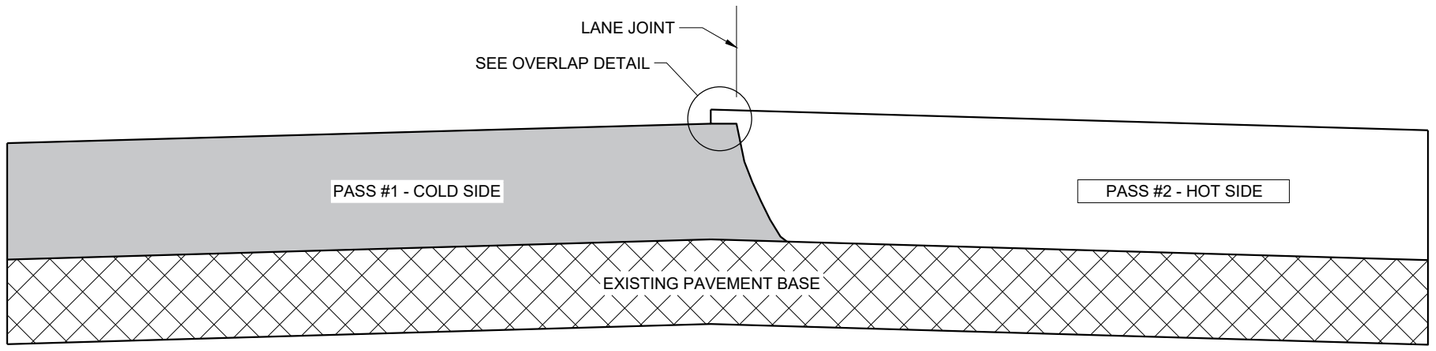
/S/ Kristen Sommers
STATE RAILROAD ENGINEERING AND SAFETY SUPERVISOR

FHWA

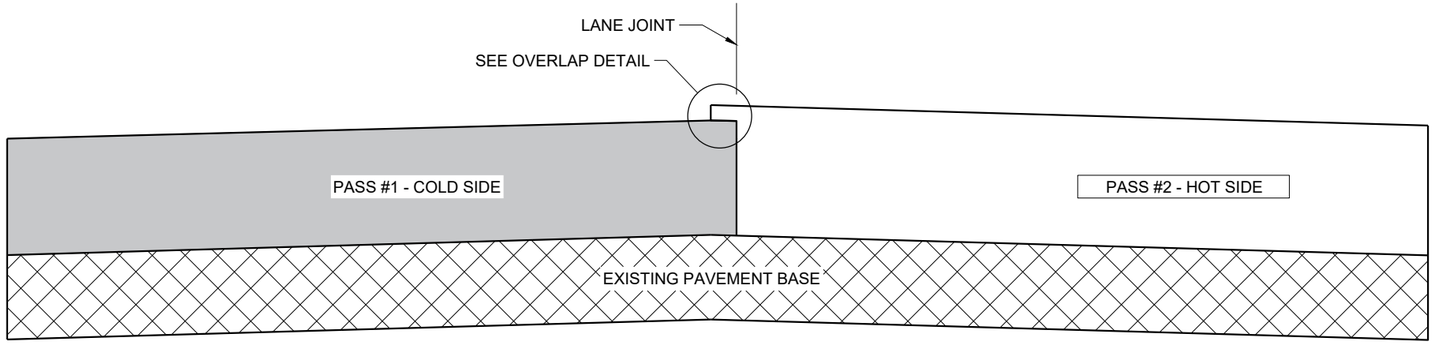
6
SDD 13B01-11b



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

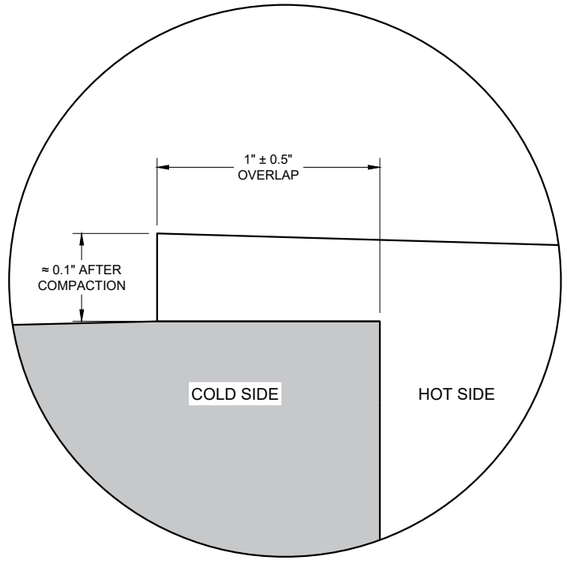
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

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

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HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

/S/ Steven Hefel
HMA PAVEMENT ENGIN

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.

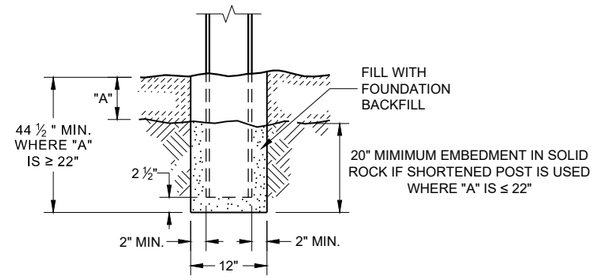
3. IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS 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).

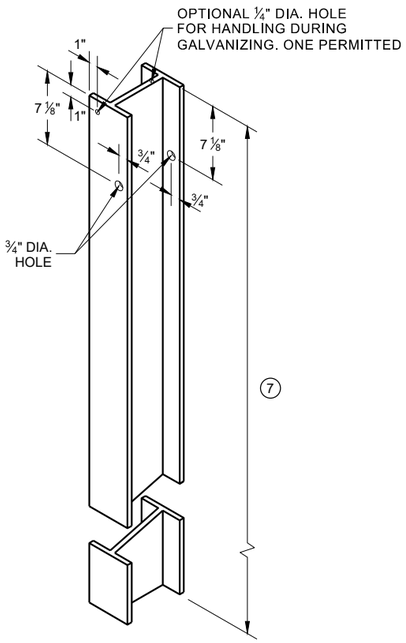
5. FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ±1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

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.

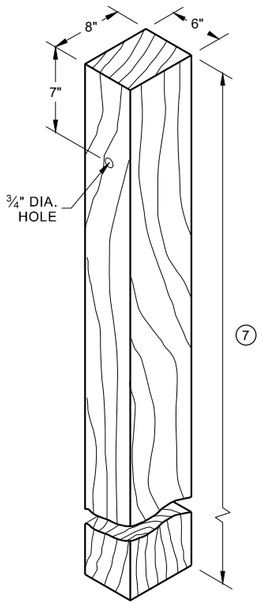
7. TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



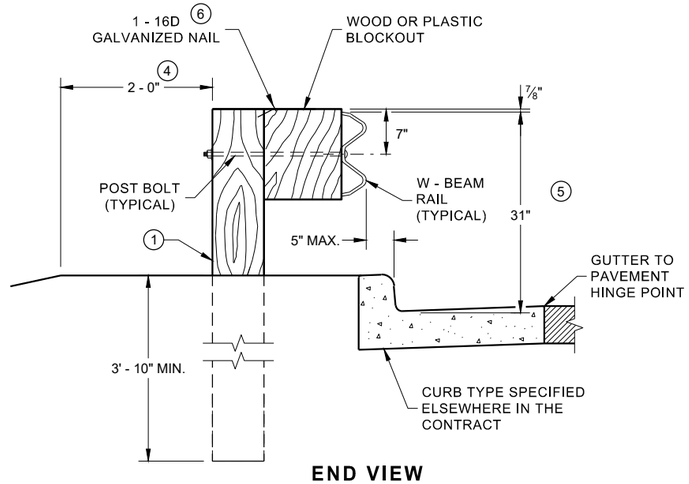
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



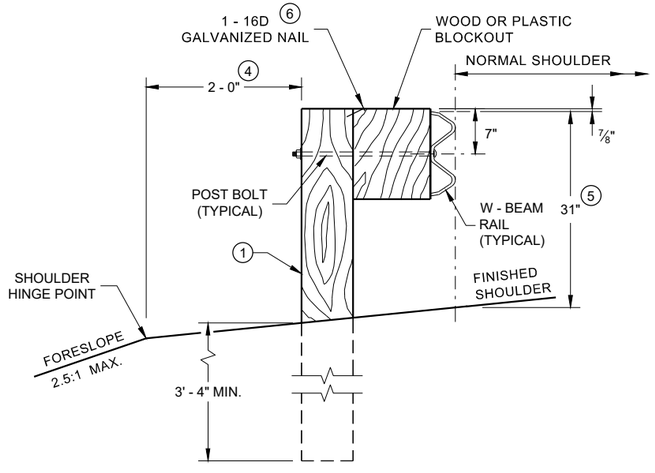
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



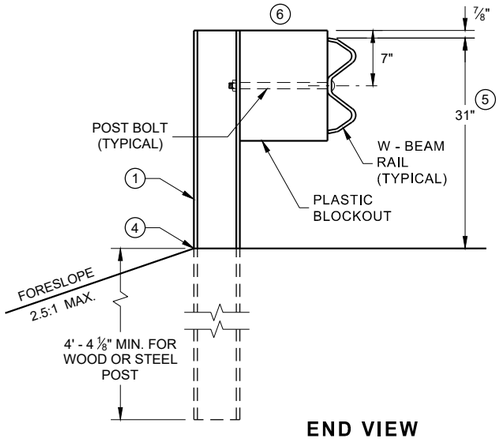
WOOD POST (6" X 8") NOMINAL (1)



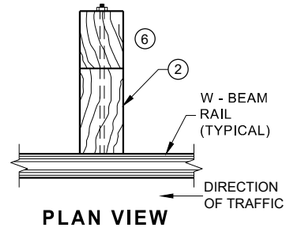
END VIEW
LOCATED ALONG A CURBED ROADWAY



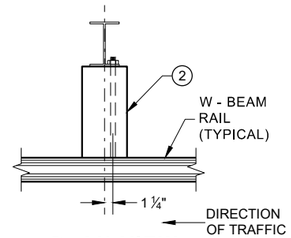
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



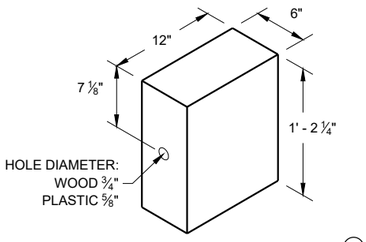
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



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
DEPARTMENT OF TRANSPORTATION

SDD 14B42 - 07a

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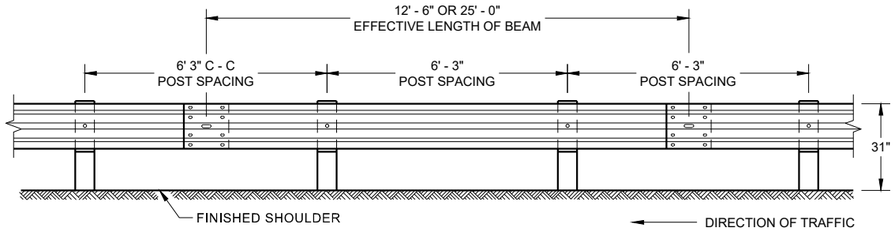
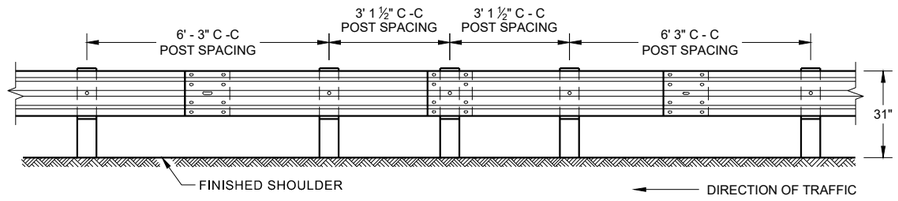
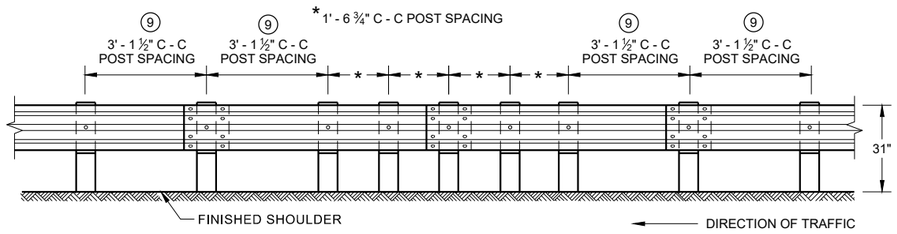


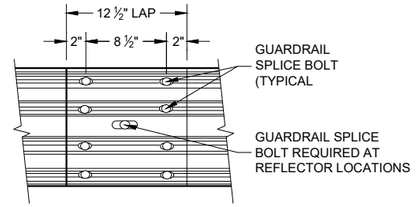
FRONT VIEW
POST SPACING STANDARD INSTALLATION



FRONT VIEW
HALF POST SPACING (HS) AND
HALF POST SPACING WITH LONGER POSTS (K)



FRONT VIEW
QUARTER POST SPACING (QS)



FRONT VIEW
MID-SPAN BEAM SPLICE

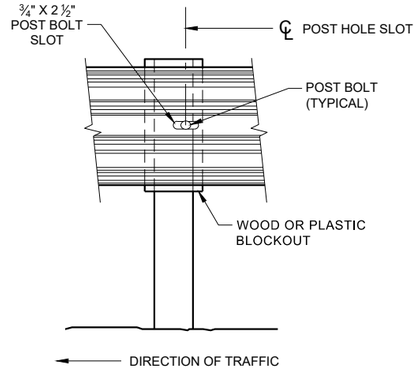
GENERAL NOTES

⑧ DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

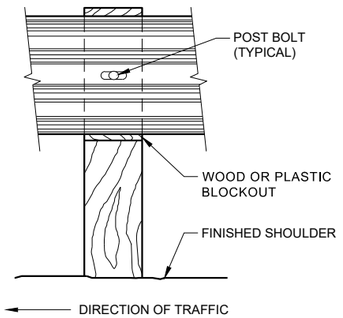
⑨ 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

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.

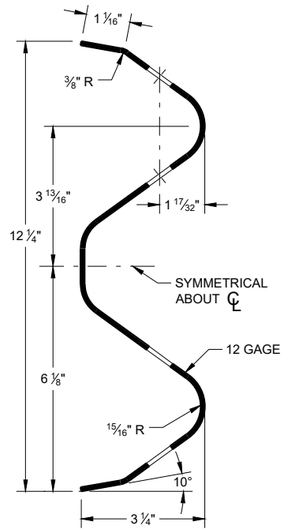
GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.



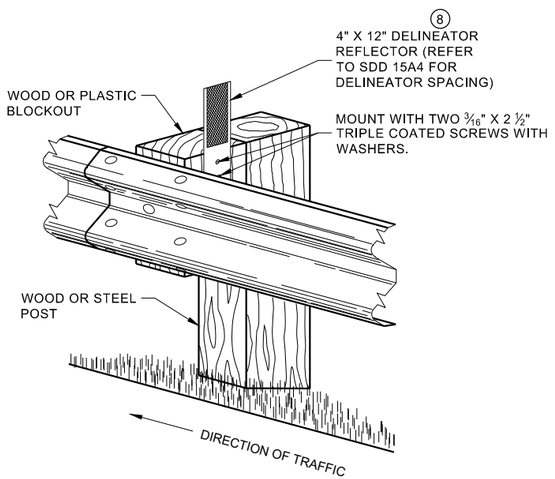
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



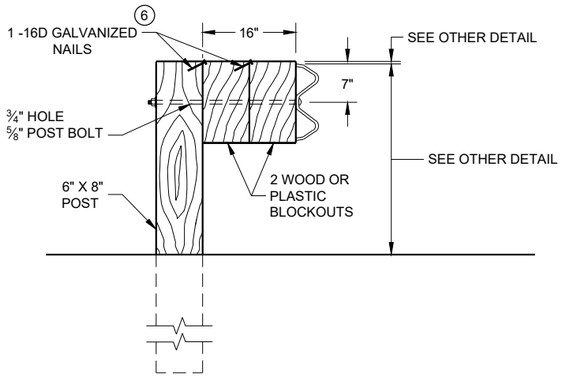
ONE SIDED REFLECTOR DETAIL
AND TYPICAL INSTALLATION

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B42 - 07b

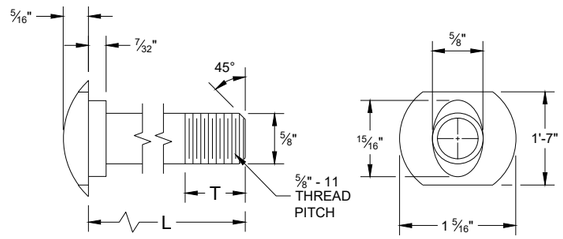


DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.

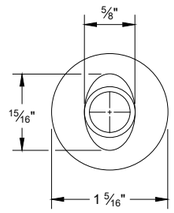
NOTE:

1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 3/16".
2. IF THE BOLT EXTENDS MORE THAN ¼" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

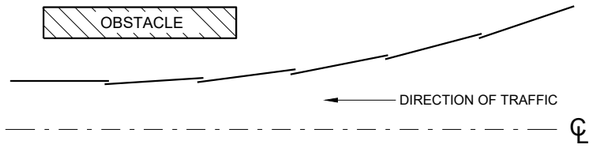


POST BOLT TABLE

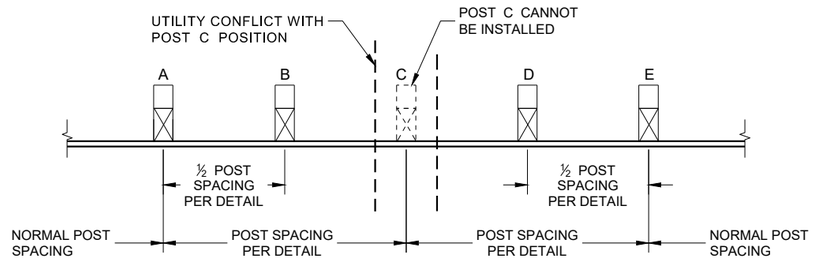
L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1/16"
18"	4"
21"	4 1/16"
25"	4"



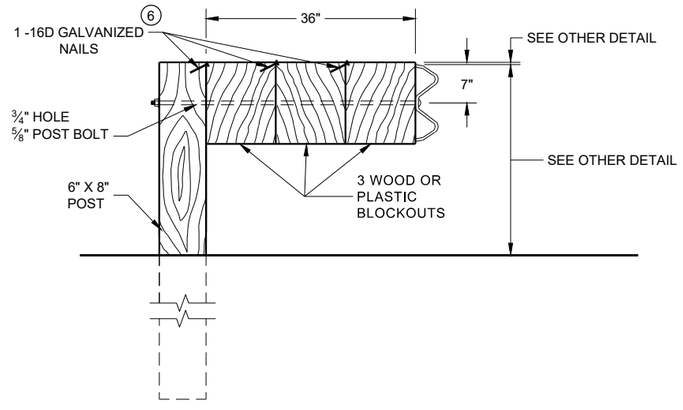
ALTERNATE BOLT HEAD



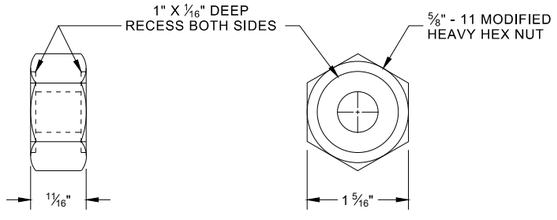
PLAN VIEW
BEAM LAPPING DETAIL



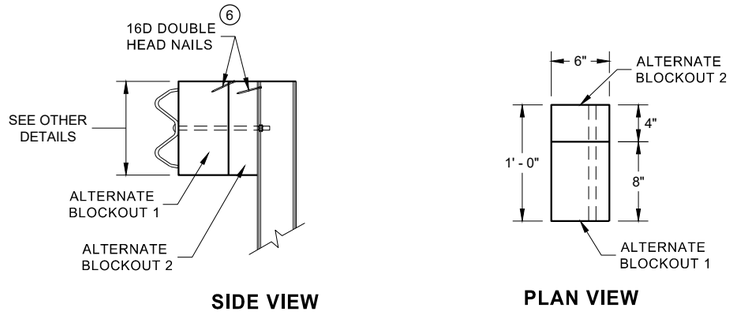
POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



DETAIL FOR 36" BLOCKOUT DEPTH



POST BOLT, SPLICE BOLT AND RECESS NUT



SIDE VIEW

PLAN VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

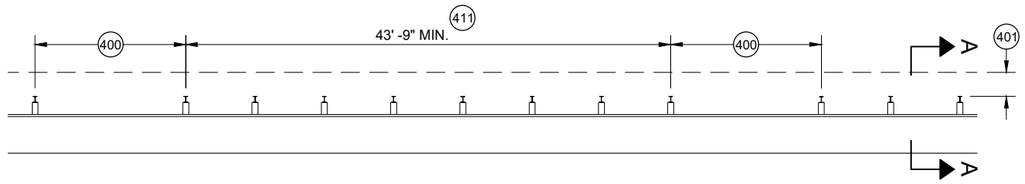
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

(6) WHEN USING STEEL POST AD WOOD BLOCKOUTS, INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

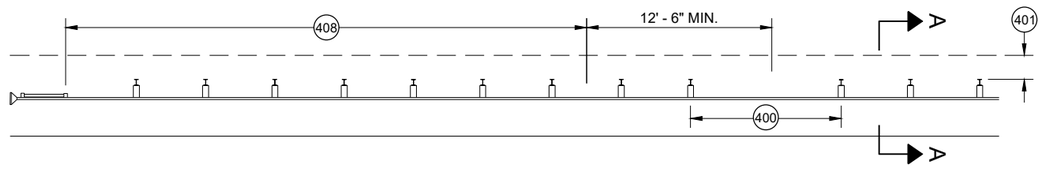
6

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

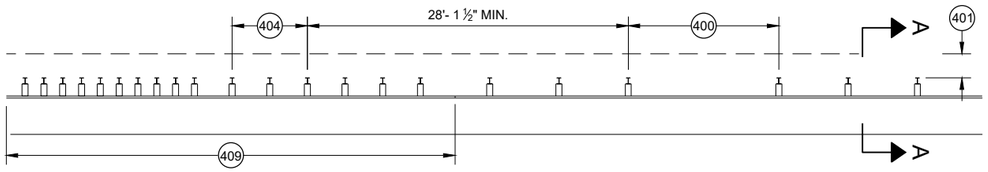
SDD 14B42 - 07c



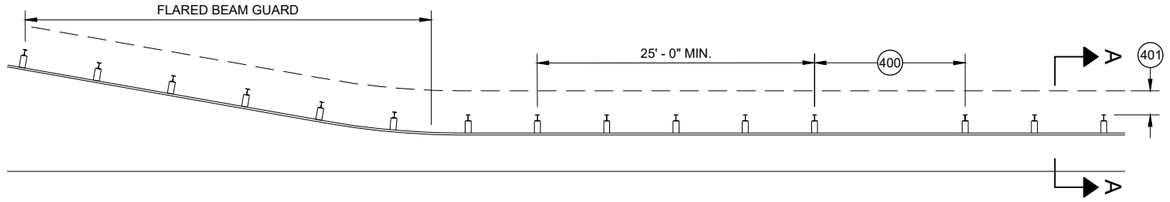
MISSING POST IN MGS GUARDRAIL



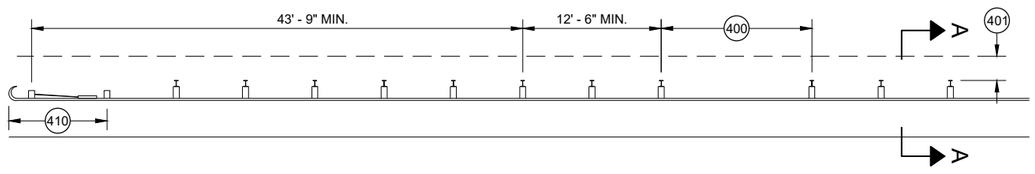
MISSING POST IN MGS GUARDRAIL NEAR EAT



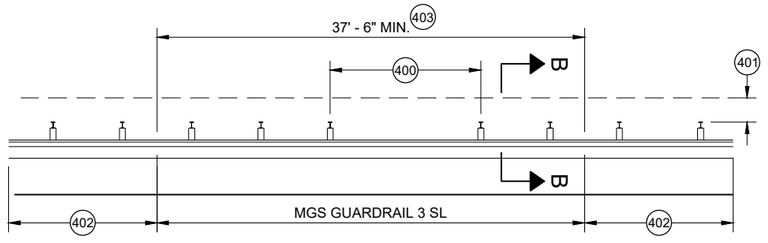
MISSING POST IN MGS GUARDRAIL NEAR AN APPROACH TRANSITION



MISSING POST IN MGS GUARDRAIL NEAR FLARED BEAM GUARD

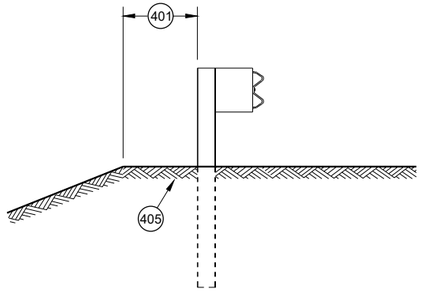


MISSING POST IN MGS GUARDRAIL NEAR A TYPE 2 END TERMINAL

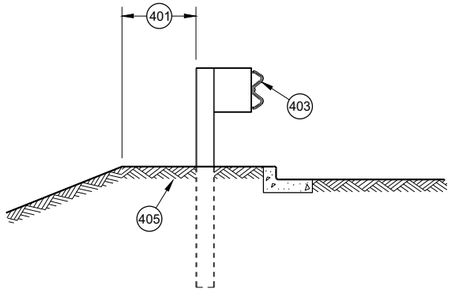


MISSING POST IN SHORT SPAN MGS GUARDRAIL NEAR CURB (SL) 407

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

6

SDD 14B42 - 07d

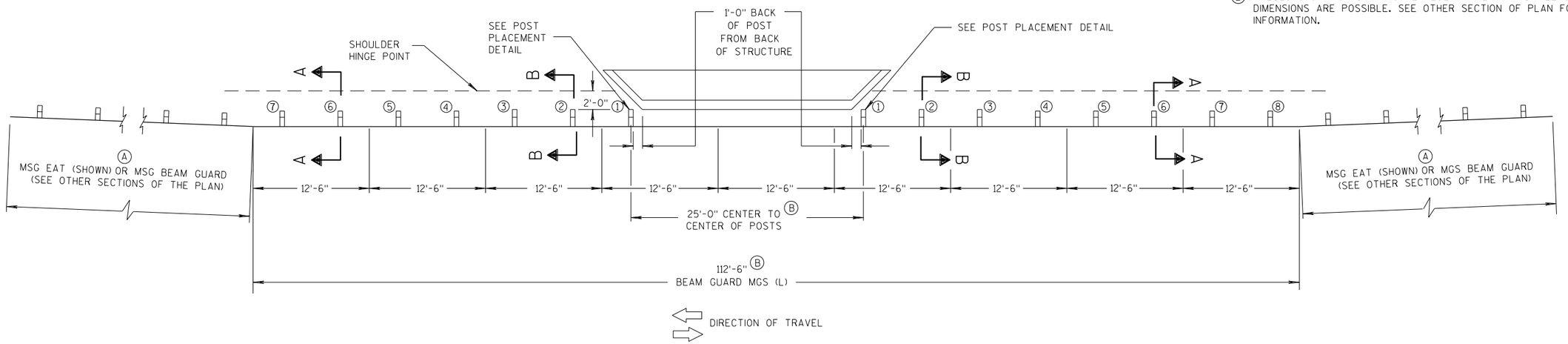
GENERAL NOTES

POSTS 1 THROUGH 3 ARE CRT POSTS.
ALL OTHER POSTS SHALL BE WOOD OR STEEL.

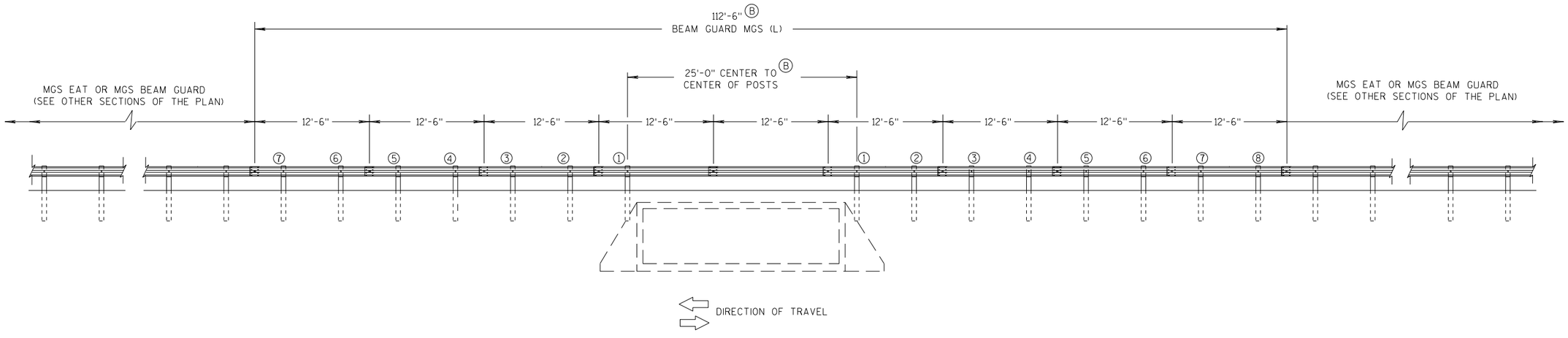
SEE SDD 14 B 42 FOR MORE DETAILS.

(A) FLARE FOR MGS EAT SHOWN. IF INSTALLING MGS NO FLARE NEEDED.

(B) VALUES SHOWN ON DRAWING REPRESENT THE MAXIMUM LENGTH. SHORTER DIMENSIONS ARE POSSIBLE. SEE OTHER SECTION OF PLAN FOR MORE INFORMATION.



PLAN VIEW



ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) TWO-WAY TRAFFIC

MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 14 B 43-4a

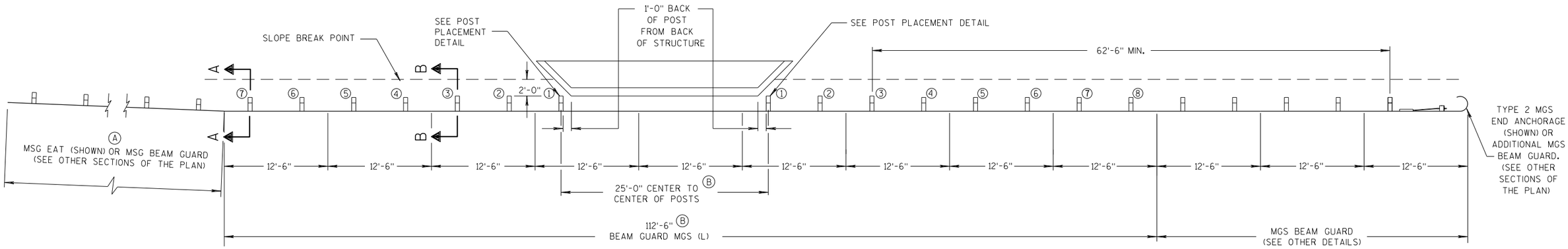
GENERAL NOTES

POSTS 1 THROUGH 3 ARE CRT POSTS.
ALL OTHER POSTS SHALL BE WOOD OR STEEL.

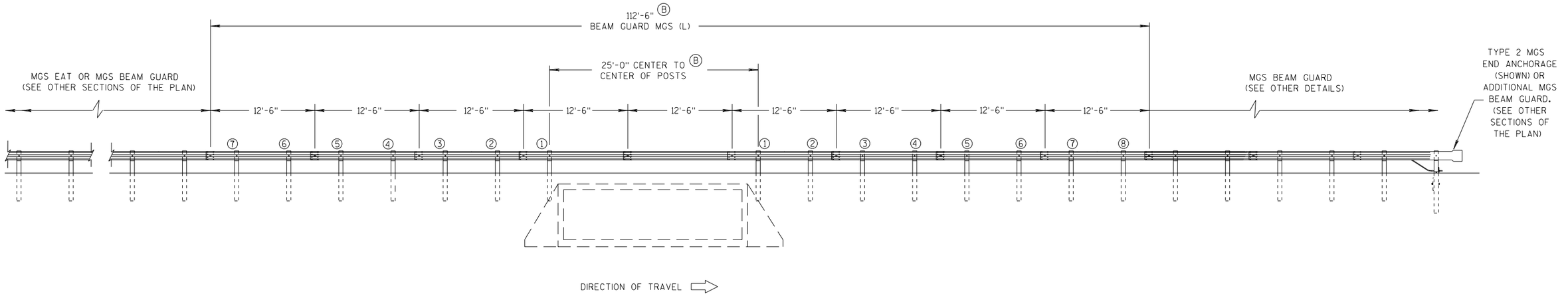
SEE SDD 14 B 42 FOR MORE DETAILS.

(A) FLARE FOR MGS EAT SHOWN. IF INSTALLING MGS NO FLARE NEEDED.

(B) VALUES SHOWN ON DRAWING REPRESENT THE MAXIMUM LENGTH. SHORTER DIMENSIONS ARE POSSIBLE. SEE OTHER SECTION OF PLAN FOR MORE INFORMATION.



PLAN VIEW



ELEVATION VIEW

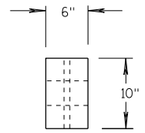
MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) ONE-WAY TRAFFIC

MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)

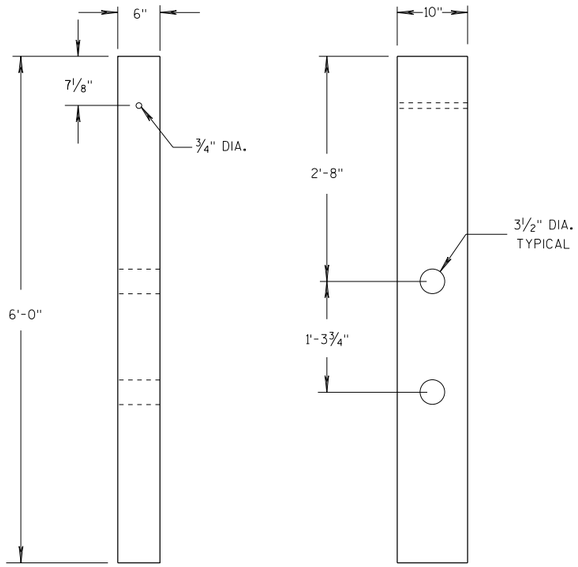
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 14 B 43-4b

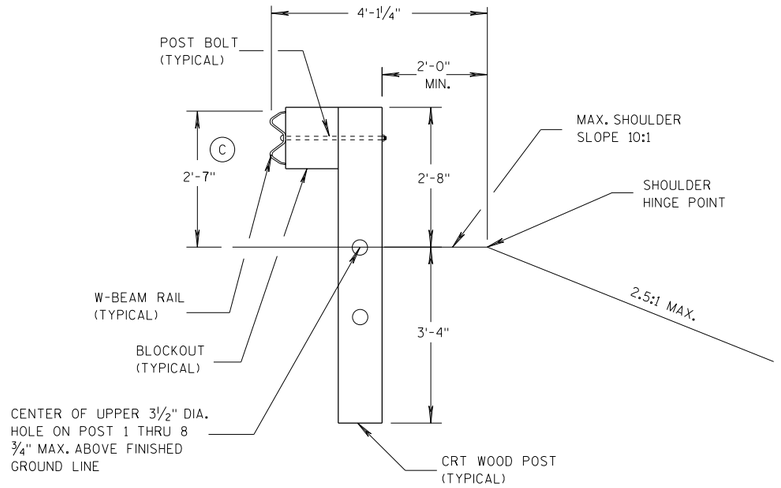


PLAN VIEW



FRONT VIEW SIDE VIEW

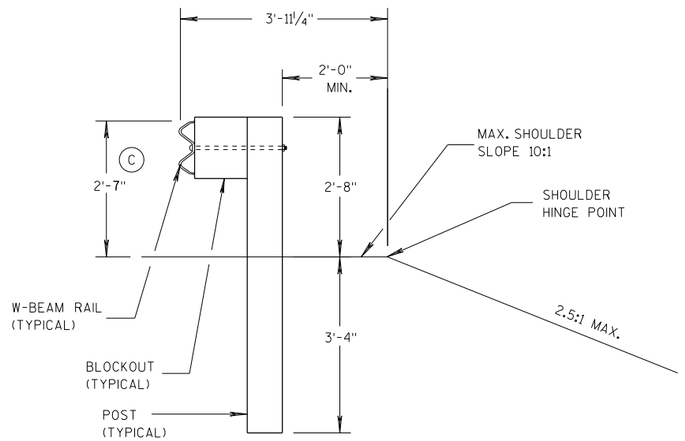
CRT WOOD POST



SECTION B-B

POSTS NO. 1-3

SEE OTHER DETAILS



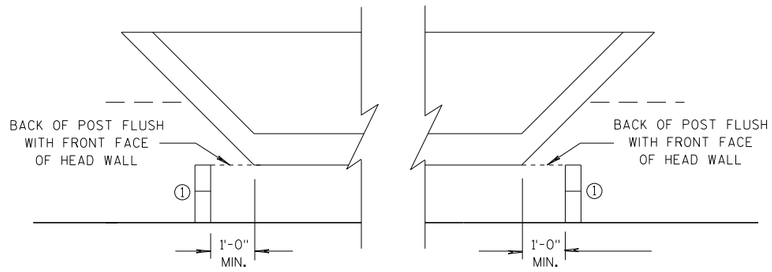
SECTION A-A

POSTS NO. 4-8

SEE OTHER DETAILS

GENERAL NOTES

(C) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".



POST PLACEMENT DETAIL

MIDWEST GUARDRAIL SYSTEM
LONG SPAN MGS (L)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
07/2018
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

S.D.D. 14 B 43-4c

6

S.D.D. 14 B 43-4c

GENERAL NOTES

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL) AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED

(C) DIFFERENT MANUFACTURERS REQUIRE DIFFERENT PERFORATED W - BEAM RAIL END PANELS. SEE MANUFACTURER'S INFORMATION.

(D) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF - TAPPING SCREWS. ONE SCREW PER CORNER.

(E) HARDWARE MAY VARY BETWEEN MANUFACTURER. SEE MANUFACTURER'S DRAWING FOR INFORMATION.

DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

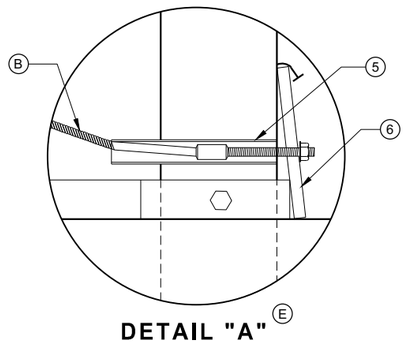
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

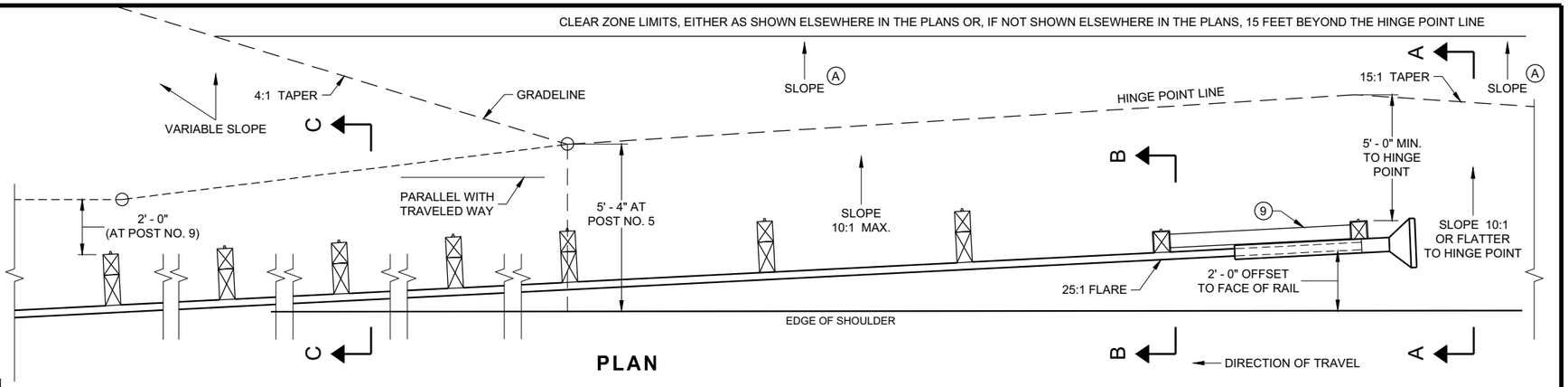
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

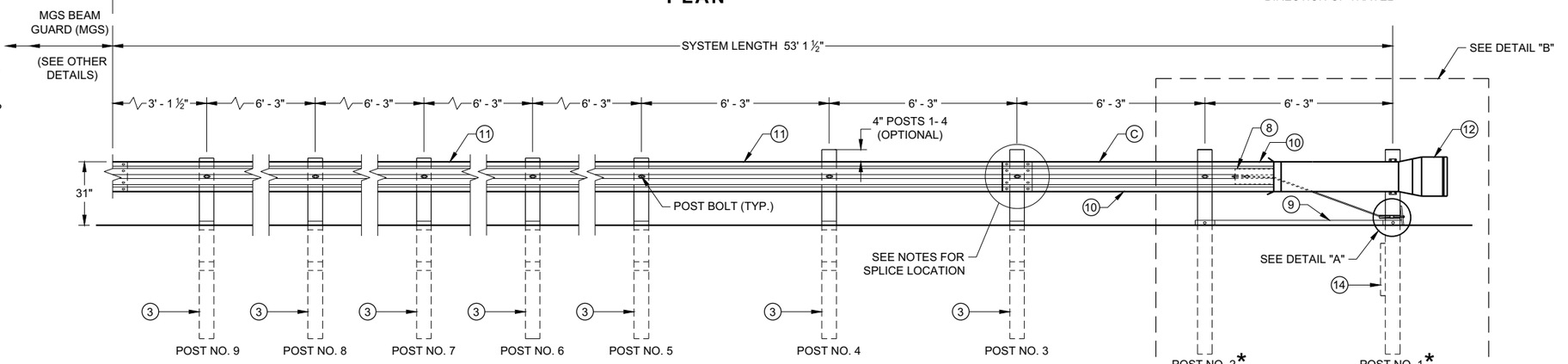
SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

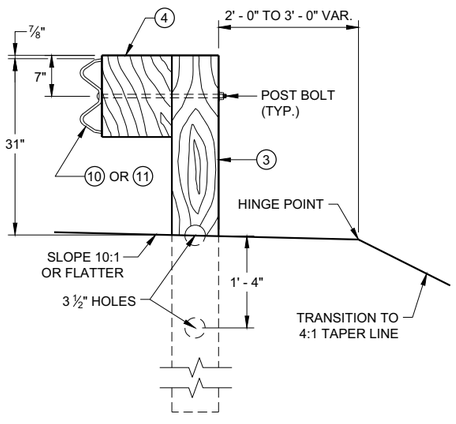
THE CENTER OF THE UPPER 3 ½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.



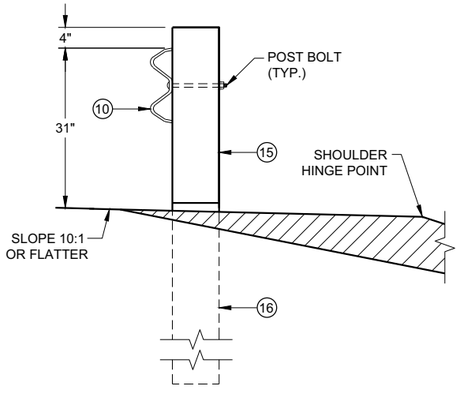
DETAIL "A" (E)



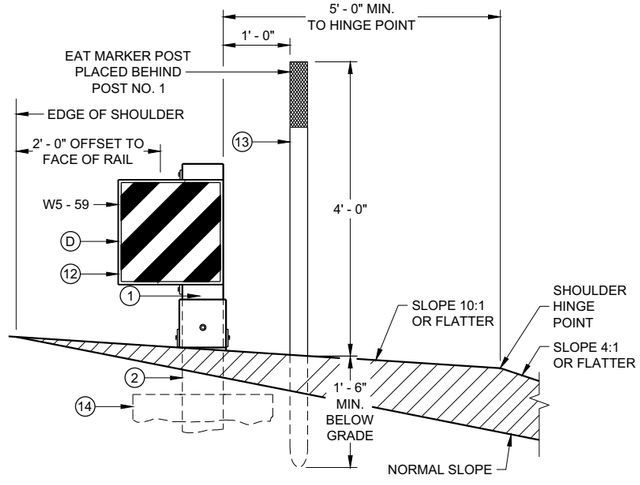




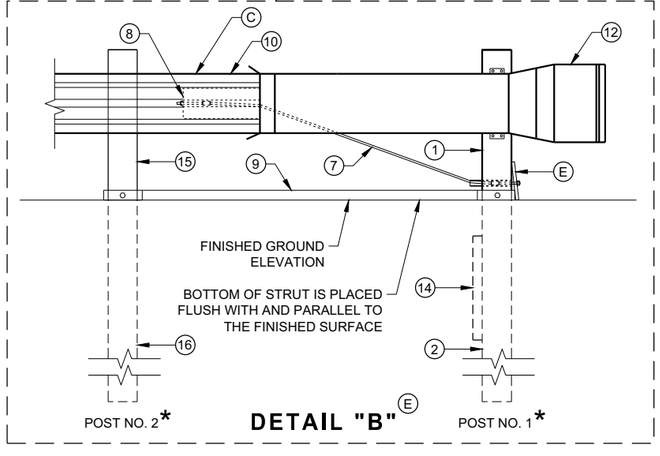
SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



SECTION A - A
TYPICAL AT POST NO. 1*



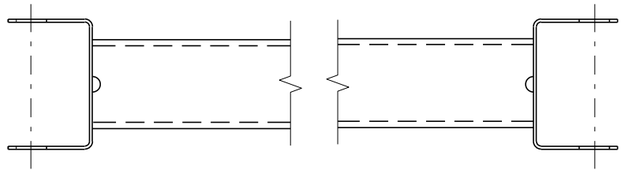
DETAIL "B" (E)

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B44 - 04a

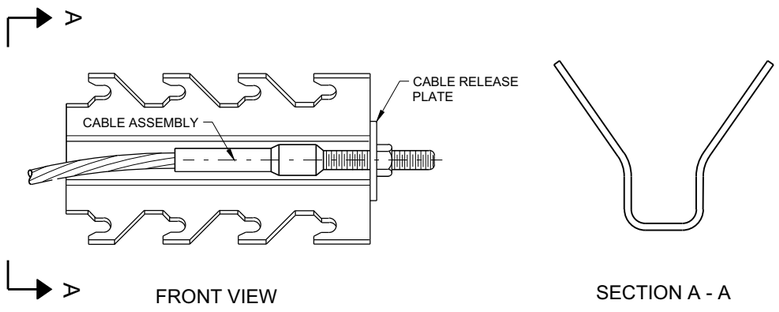
SDD 14B44 - 04a



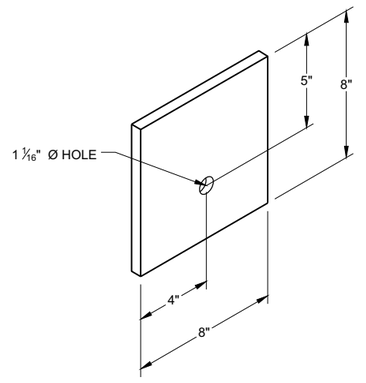
GENERIC GROUND STRUT ⑨ Ⓔ

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

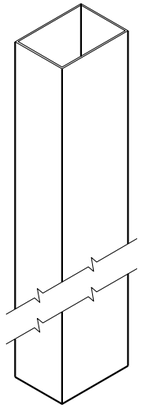
6

SDD 14B44 - 04b

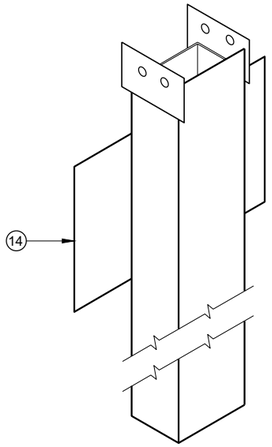
SDD 14B44 - 04b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

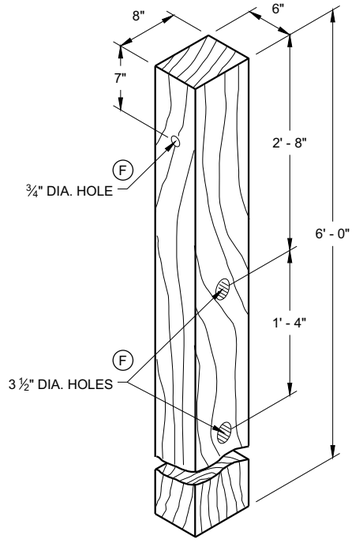
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



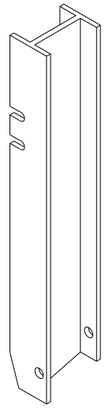
UPPER POST NO. 1 (1) (E)



LOWER POST NO. 1 (2) (E)



WOOD CRT POST (3) (E)
POSTS NUMBER 3-9



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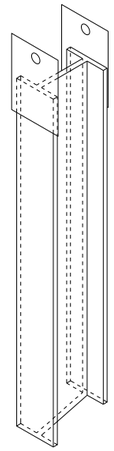

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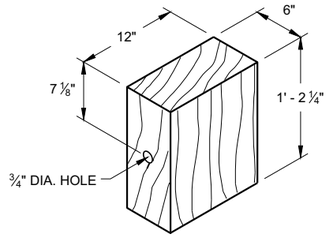
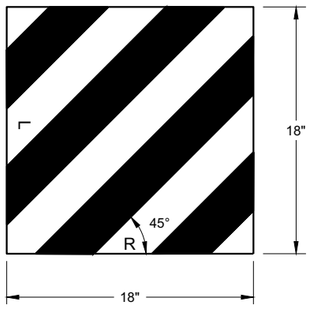
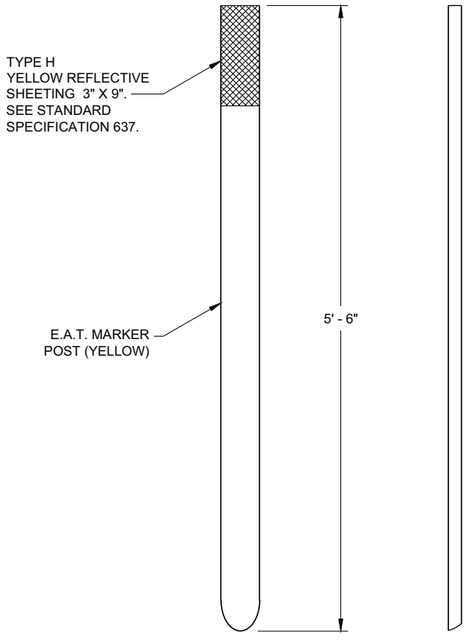


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



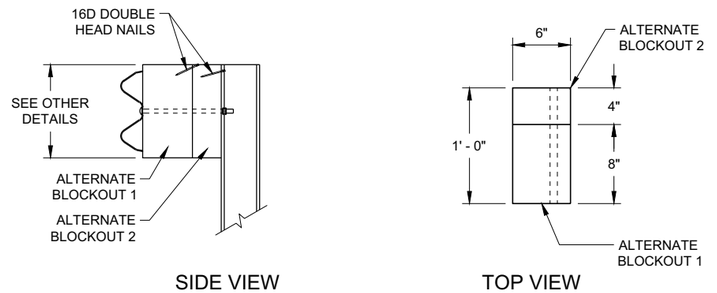
W5 - 59

REFLECTIVE SHEETING DETAIL (E)



FRONT VIEW SIDE VIEW

E.A.T. MARKER POST (13)



SIDE VIEW TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

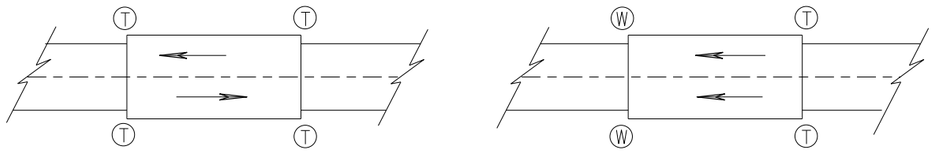
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

6

SDD 14B44 - 04c



TWO WAY TRAFFIC

ONE WAY TRAFFIC

(T) THRIE BEAM CONNECTION

(W) W-BEAM CONNECTION WHEN REQUIRED

TYPICAL LOCATIONS OF THRIE BEAM AND W-BEAM CONNECTIONS TO BRIDGE

GENERAL NOTES

IF ROCK IS ENCOUNTERED, REMOVE ROCK TO FULL DEPTH OF POST PLUS 2½", AND 12" DIAMETER AROUND POST. SEE 14B42 FOR MORE DETAILS.

TRANSITION USES STEEL POSTS ONLY.

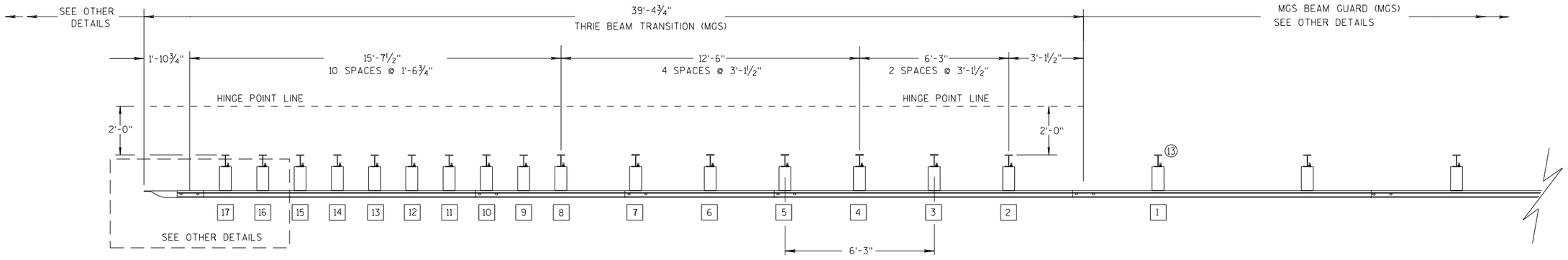
SEE STANDARD DETAIL DRAWING 14 B 42 FOR MORE INFORMATION.

POST 2 THROUGH 17 USES STEEL POST ONLY

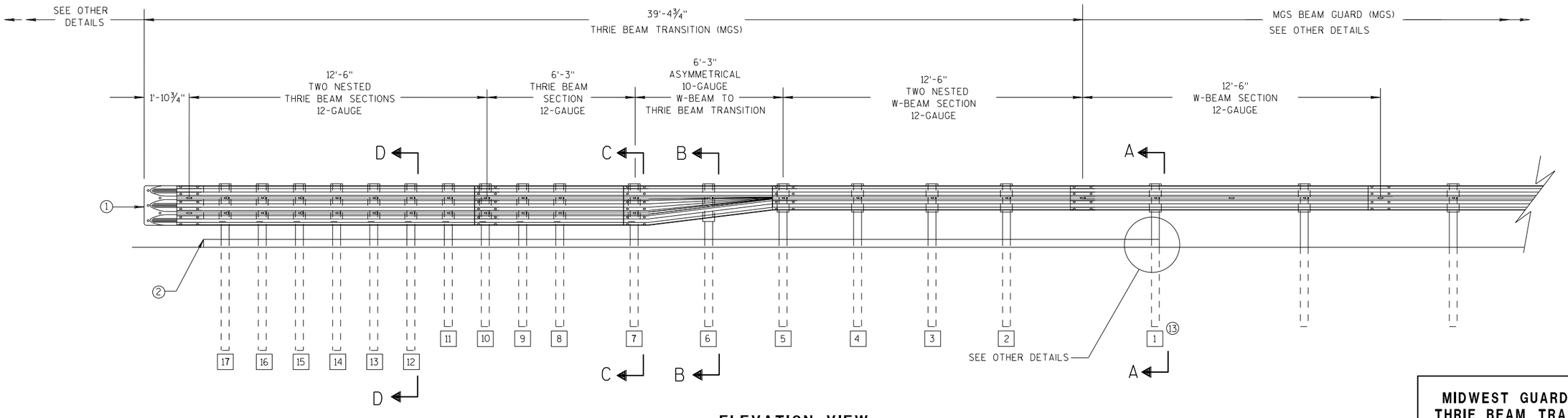
(1) BRIDGE RAILING TYPE "W" DOES NOT REQUIRE A TERMINAL CONNECTOR.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD14B42



PLAN VIEW



ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 45-5a

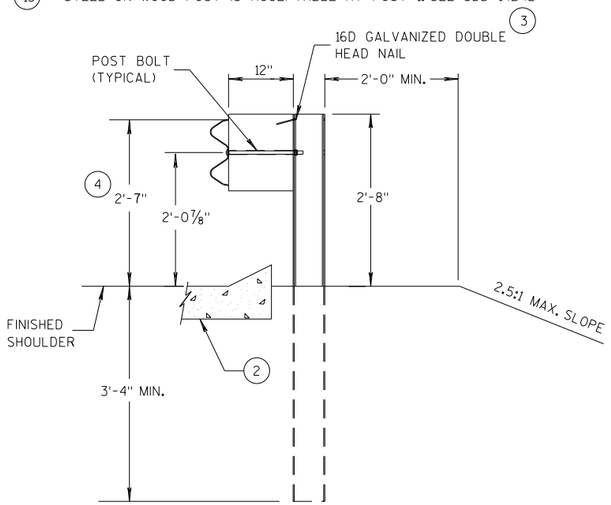
GENERAL NOTES

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 10D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

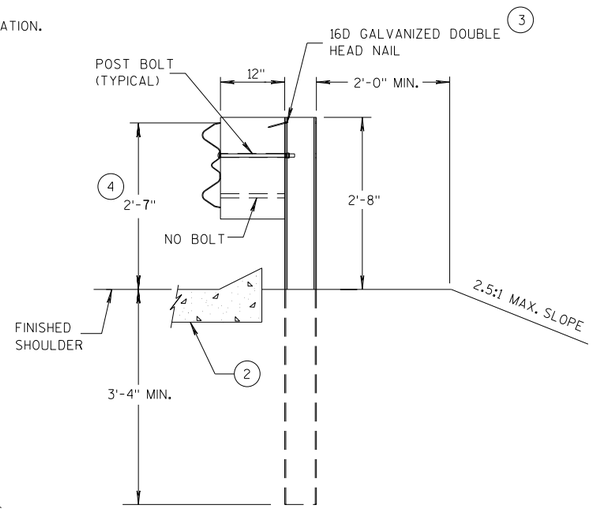
(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD 14B42



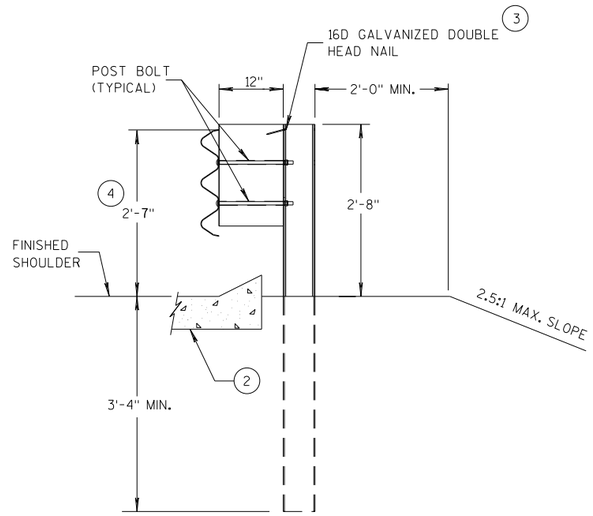
SECTION A-A (13)

POSTS 1-5



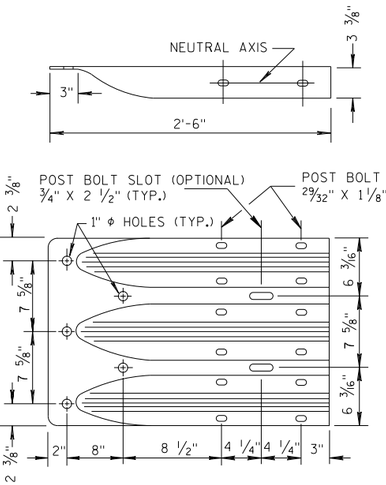
SECTION B-B

POST 6

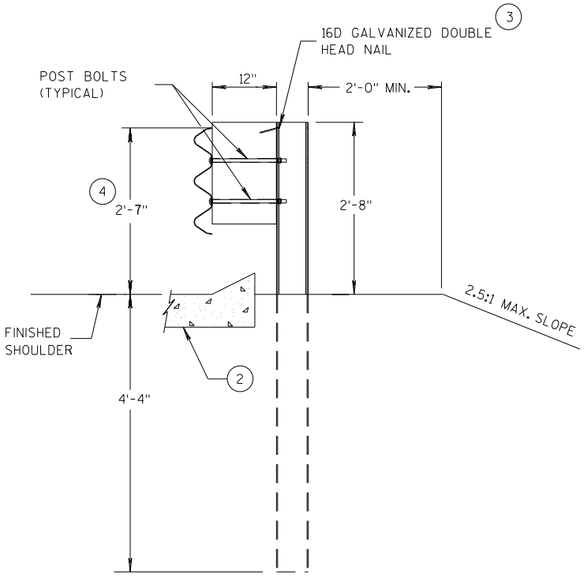


SECTION C-C

POSTS 7-11

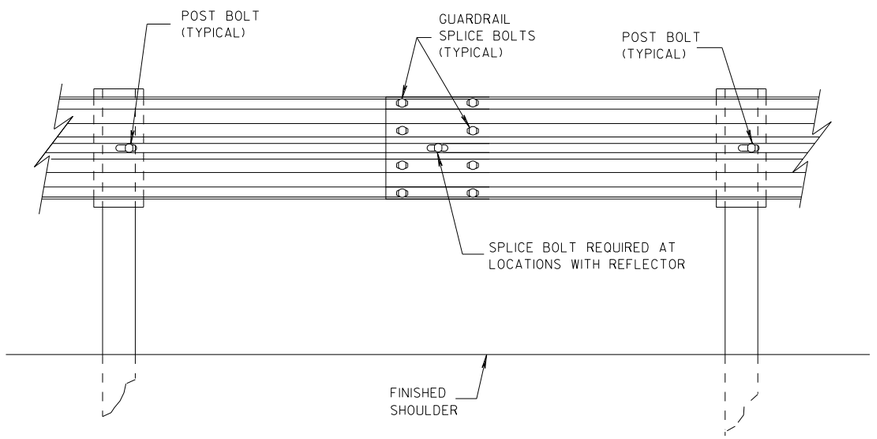


THRIE BEAM TERMINAL CONNECTOR



SECTION D-D

POSTS 12-17



SPLICE DETAIL

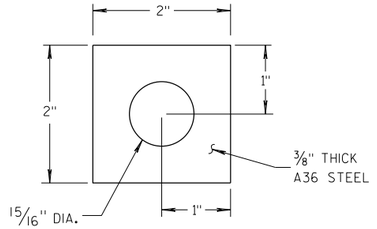
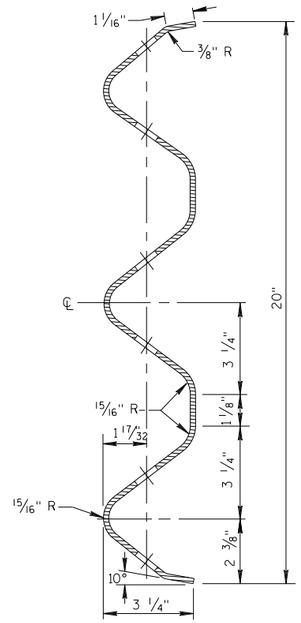


PLATE WASHER DETAIL



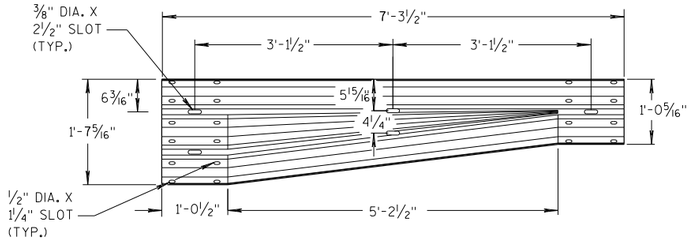
SECTION THRU THRIE BEAM RAIL ELEMENT

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

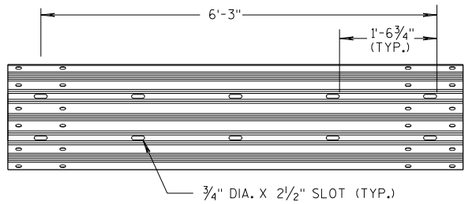
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

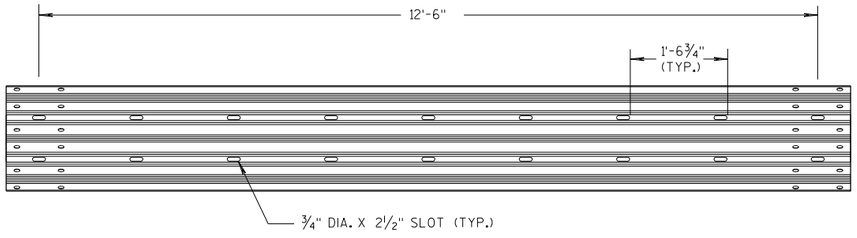
S.D.D. 14 B 45-5b



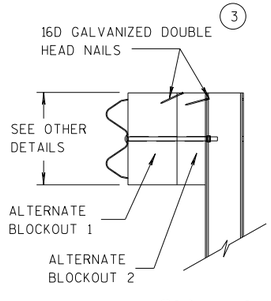
W-BEAM TO THRIE BEAM TRANSITION SECTION



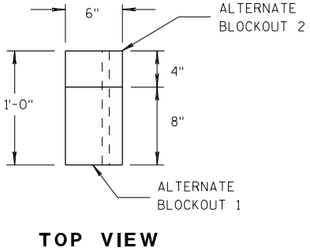
6'-3" THRIE BEAM SECTION



12'-6" THRIE BEAM SECTION

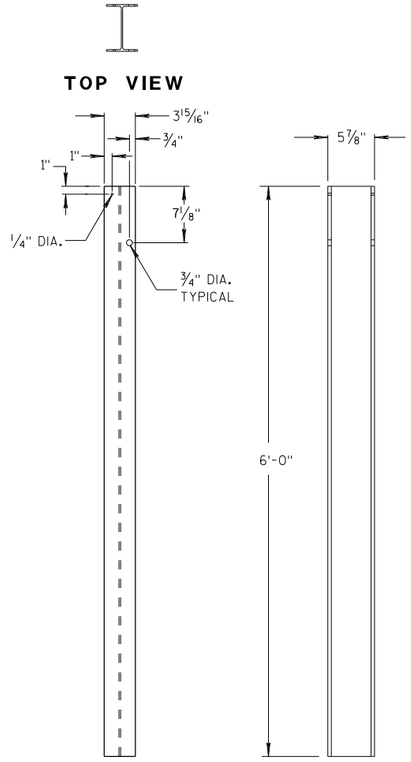


SIDE VIEW



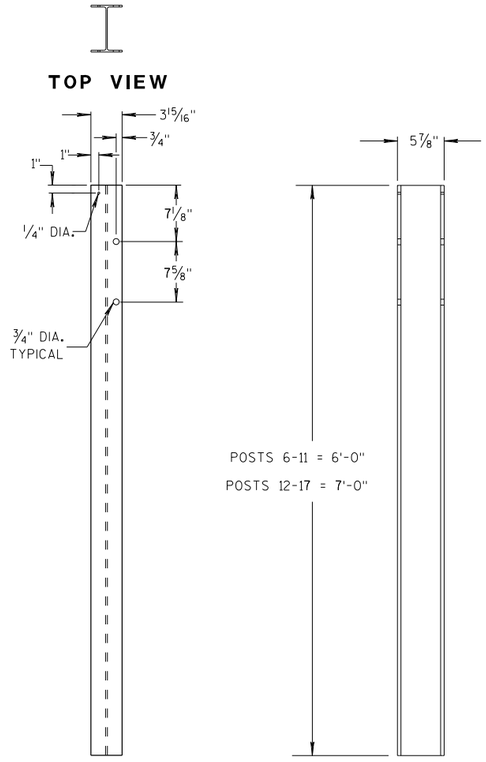
TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL



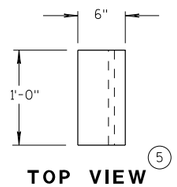
FRONT VIEW SIDE VIEW

STEEL POSTS 1-5 (13)

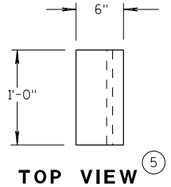


FRONT VIEW SIDE VIEW

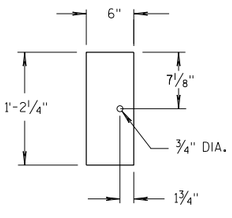
STEEL POSTS 6-17



TOP VIEW (5)

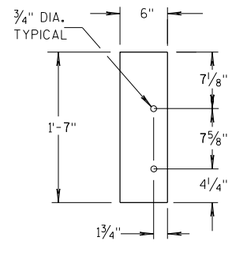


TOP VIEW (5)



FRONT VIEW

BLOCKOUT POSTS 1-5



FRONT VIEW

BLOCKOUT POSTS 6-17

GENERAL NOTES

STEEL POSTS ARE W6X9 OR W6X8.5.

BOLT HOLES FOR POST ARE ON FRONT AND OF SIDE OF POST.

(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

(5) WOOD BLOCKS MAY BE CONSTRUCTED OUT OF 2 WOOD BLOCKS. SEE ALTERNATE WOOD BLOCK DETAIL.

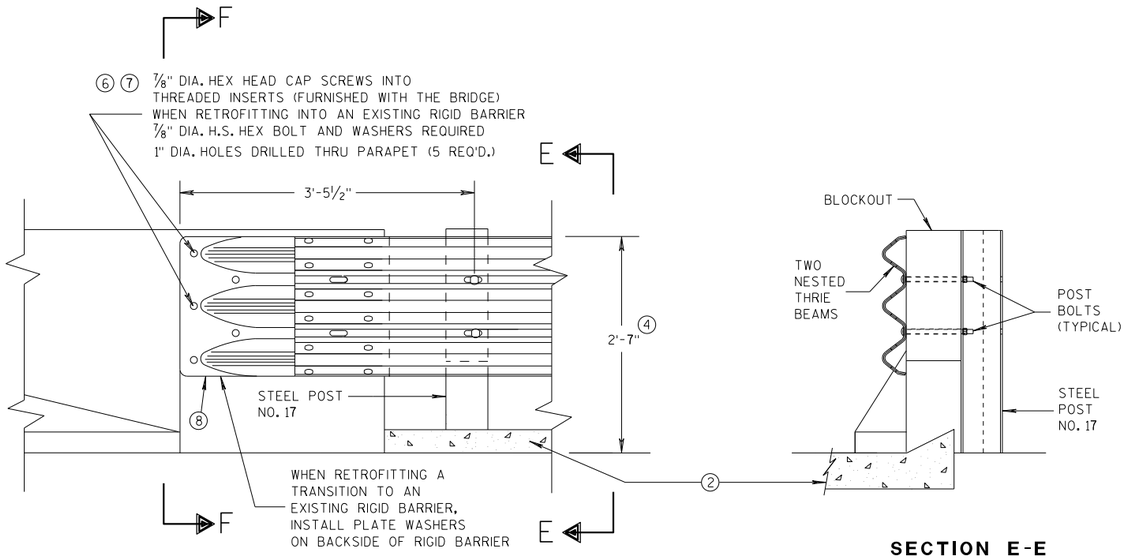
(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD 14B42.

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOF

6

S.D.D. 14 B 45-5c



FRONT VIEW

SECTION E-E

THRIE BEAM CONNECTION TO BRIDGE PARAPET WITH SQUARE ENDS

GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

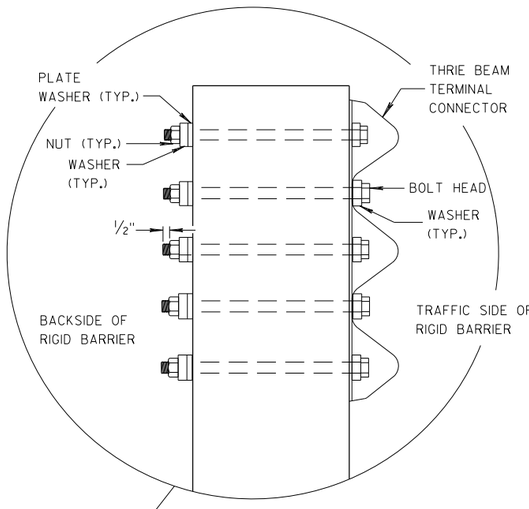
② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

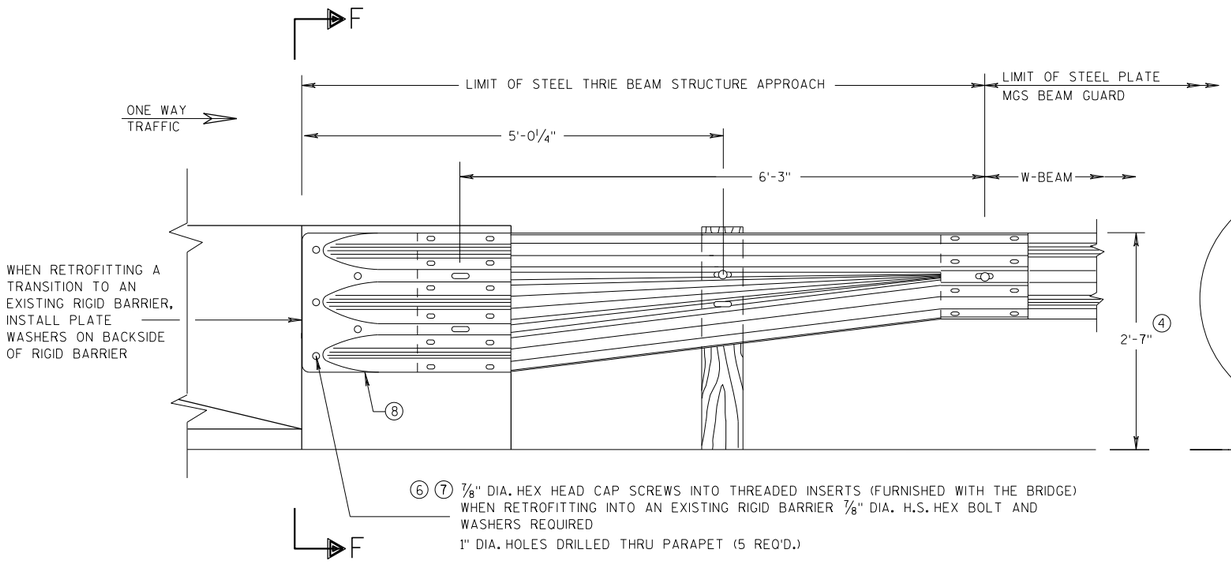
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

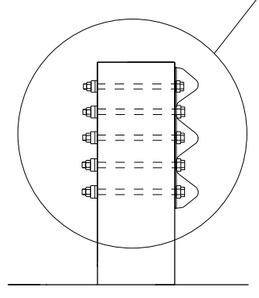
⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

⑧ THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 1/2".

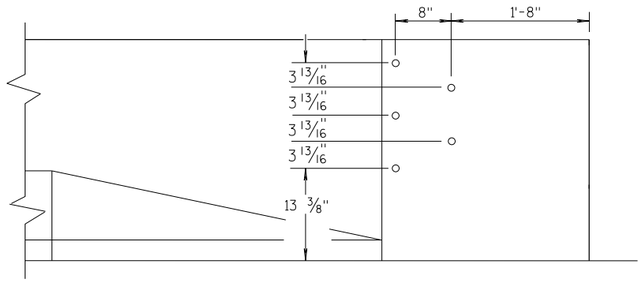




FRONT VIEW



SECTION F-F



DRILL HOLE LOCATION

W BEAM TRANSITION AND CONNECTION TO BRIDGE PARAPETS WITH SQUARE ENDS

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
07/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS D UNIT SUPERVIS NT
FHWA

6

S.D.D. 14 B 45-5d

GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

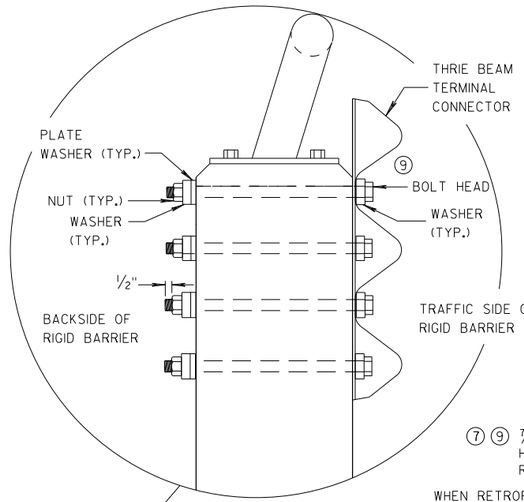
(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

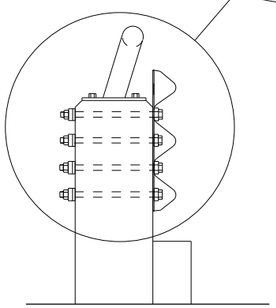
(6) DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(7) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

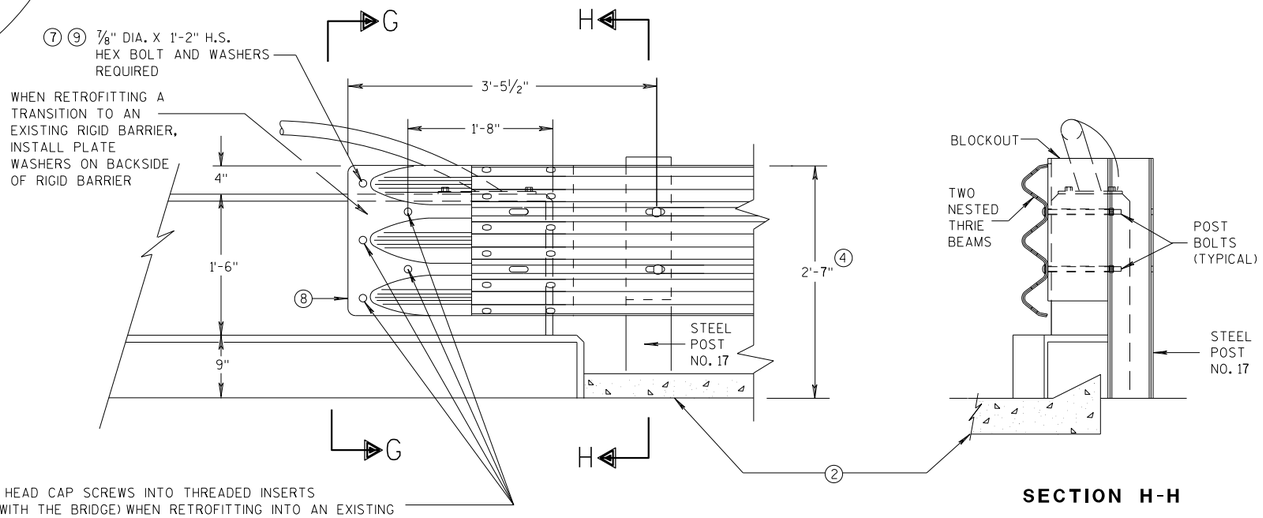
(8) THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 ½".

(9) BOLT, NUT AND WASHERS NOT REQUIRED FOR THIS LOCATION WHEN RETROFITTING AN EXISTING PAPAPET AND THE HOLE IS EITHER ABOVE PARAPET OR WITHIN 4 INCHES OF THE EDGE OF PARAPET.





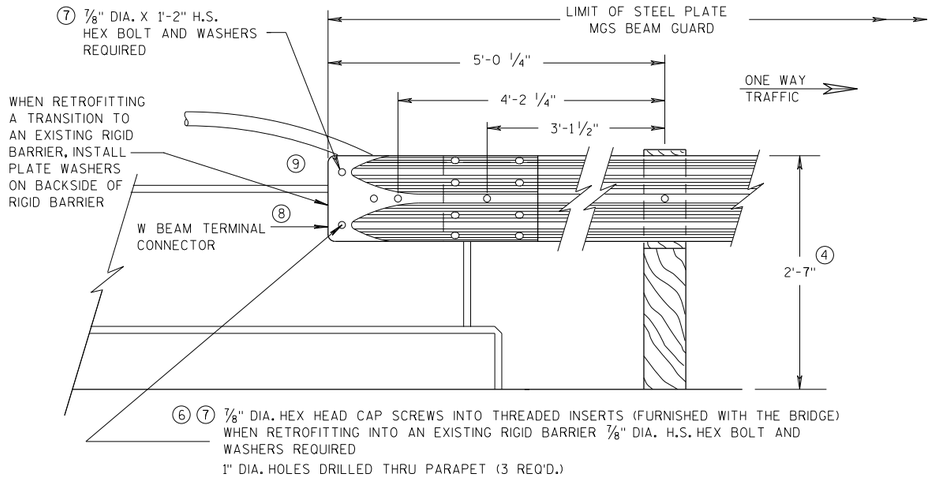
SECTION G-G



FRONT VIEW

SECTION H-H

THRIE BEAM CONNECTION TO VERTICAL FACED PARAPETS



FRONT VIEW

W BEAM CONNECTION TO VERTICAL FACE PARAPET

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
07/2018
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS D UNIT SUPERVIS NT

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S.D.D. 14 B 45-5e

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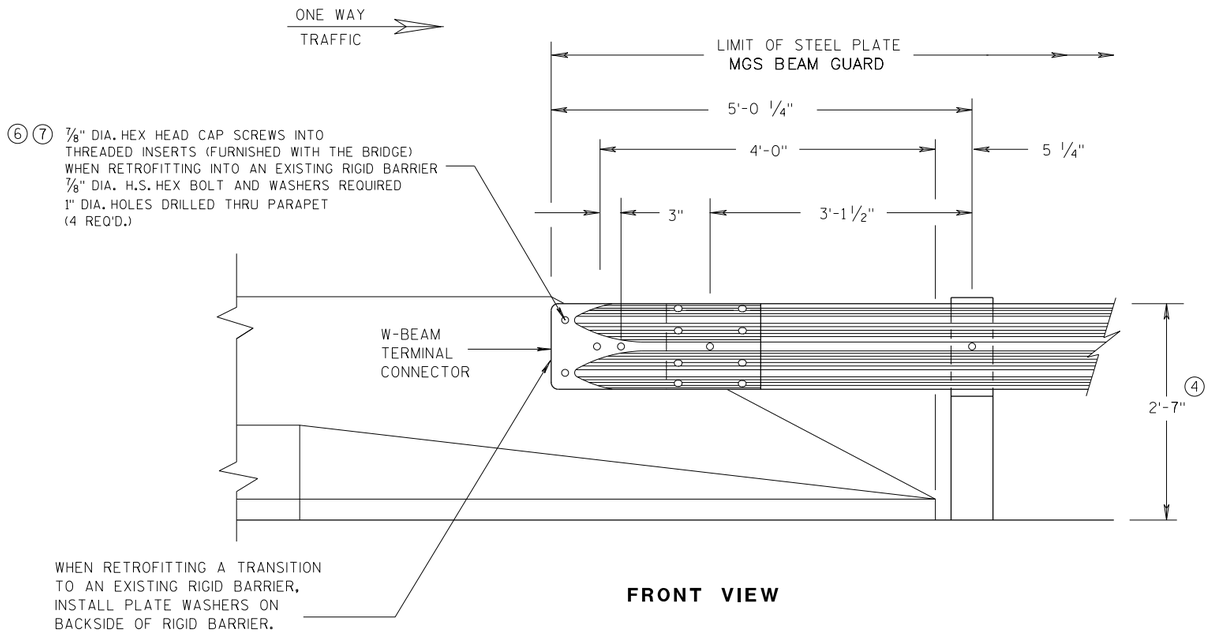
S.D.D. 14 B 45-5e



FRONT VIEW

W BEAM CONNECTION TO PARAPETS WITH SLOPED ENDS

(USE ONLY AT TRAFFIC EXIT END OF ONE WAY BRIDGE)

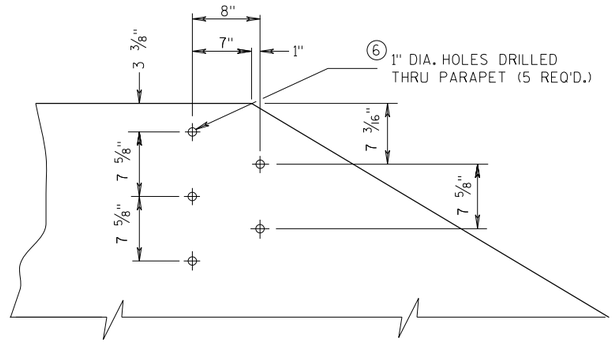
GENERAL NOTES

② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

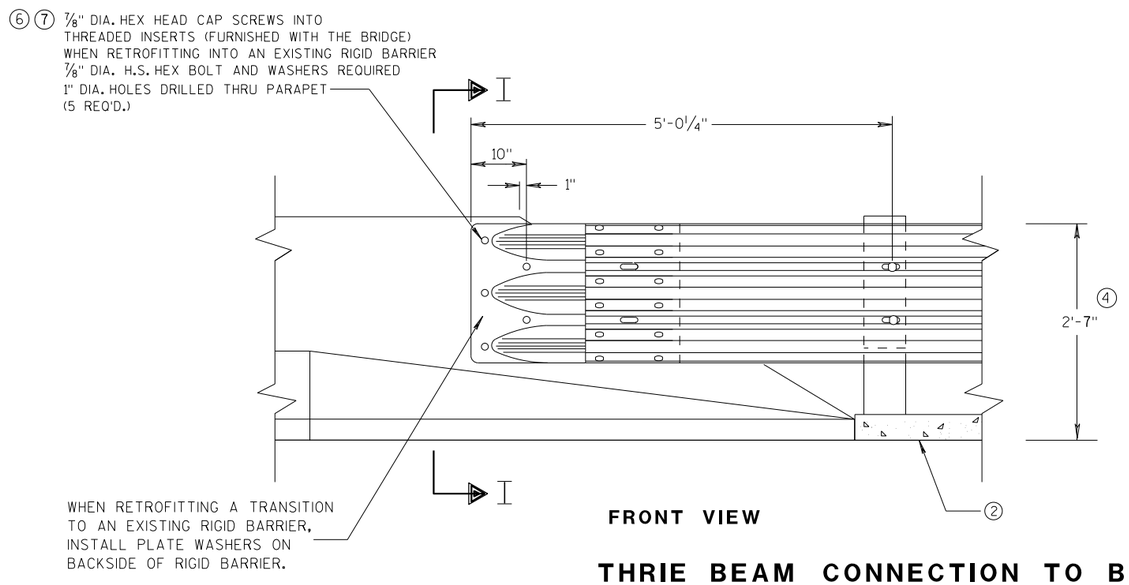
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

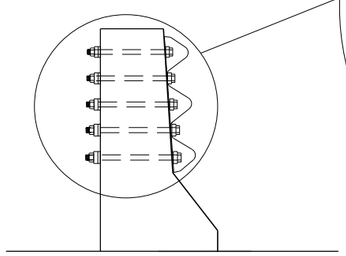
⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.



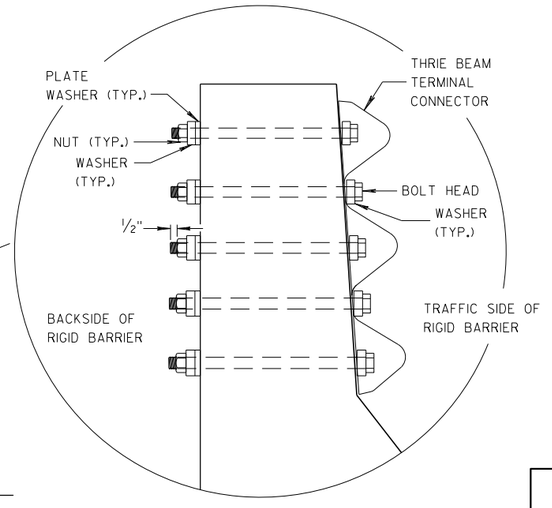
DRILL HOLE LOCATION AND PATTERN FOR THRIE BEAM CONNECTION



FRONT VIEW



SECTION I-I



THRIE BEAM CONNECTION TO BRIDGE PARAPETS WITH SLOPED ENDS

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
07/2018 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS [illegible] UNIT SUPERVI[illegible]ENT
FHWA

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S.D.D. 14 B 45-5f

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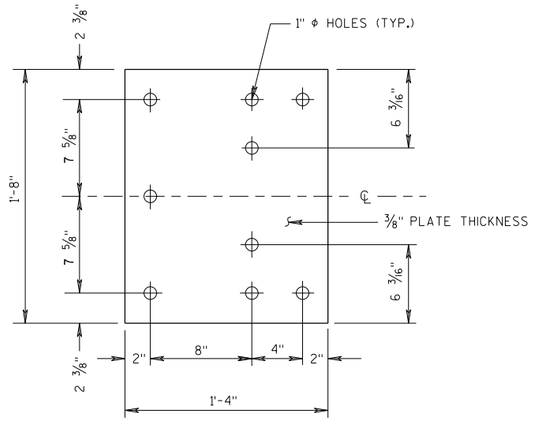
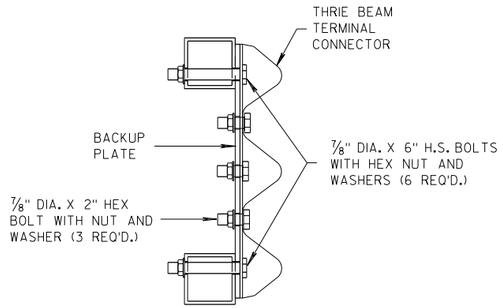
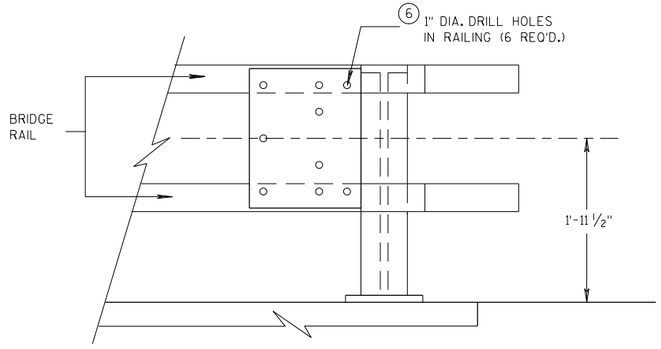
S.D.D. 14 B 45-5f



BACK-UP PLATE DETAIL



SECTION J-J

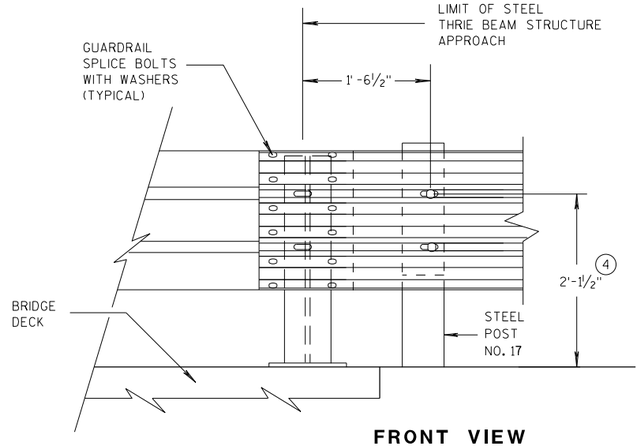


BACK-UP PLATE MOUNTING ONTO BRIDGE RAILING

GENERAL NOTES

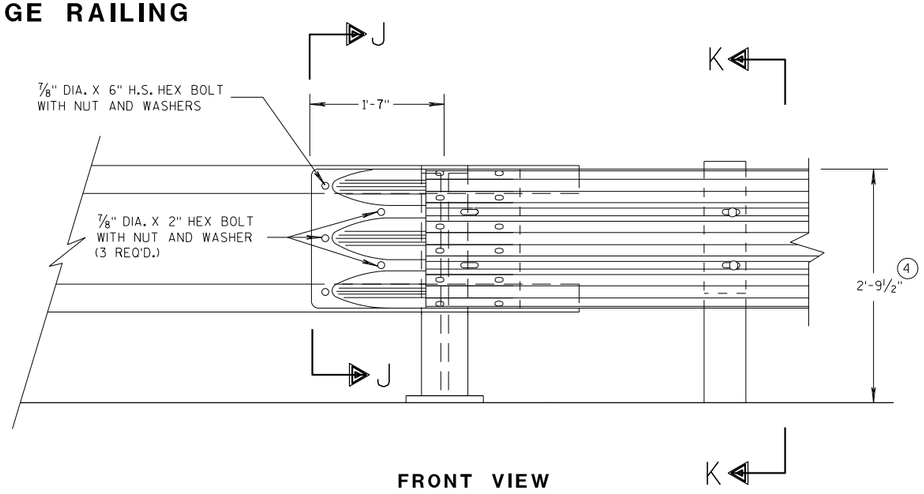
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING HOLES THROUGH THE PAPRPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

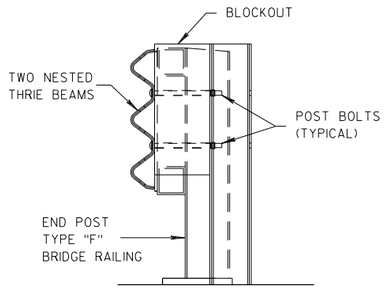


FRONT VIEW

THRIE BEAM CONNECTION TO STEEL RAILING TYPE "W"



FRONT VIEW



SECTION K-K

THRIE BEAM CONNECTION TO TUBULAR RAILING TYPE "F"

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED 07/2018 — DATE
FHWA

/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

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S.D.D. 14 B 45-5g

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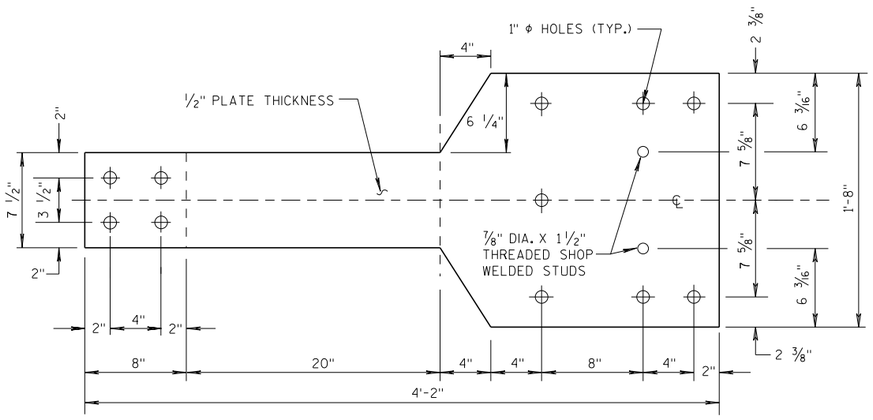
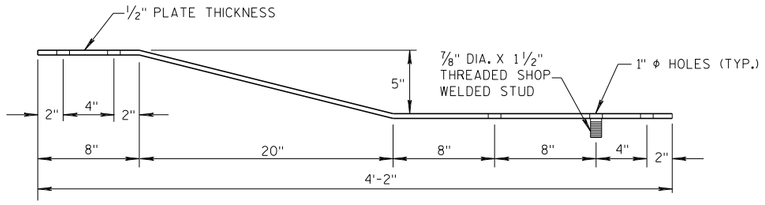
S.D.D. 14 B 45-5g

GENERAL NOTES

(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

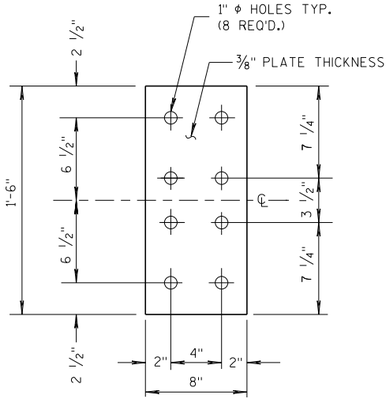


FRONT VIEW



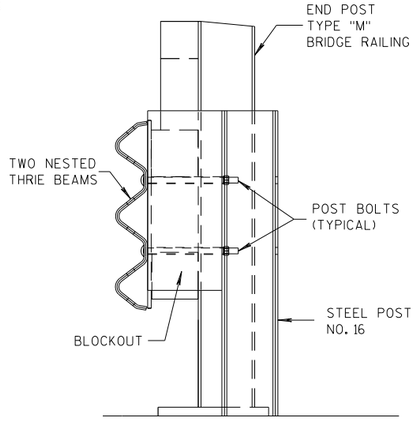
PLAN VIEW

BACK-UP PLATE DETAIL, TYPE "M"

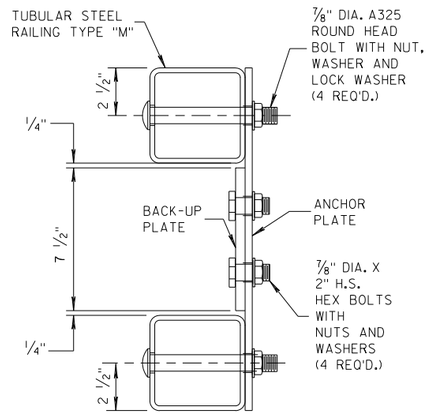


FRONT VIEW

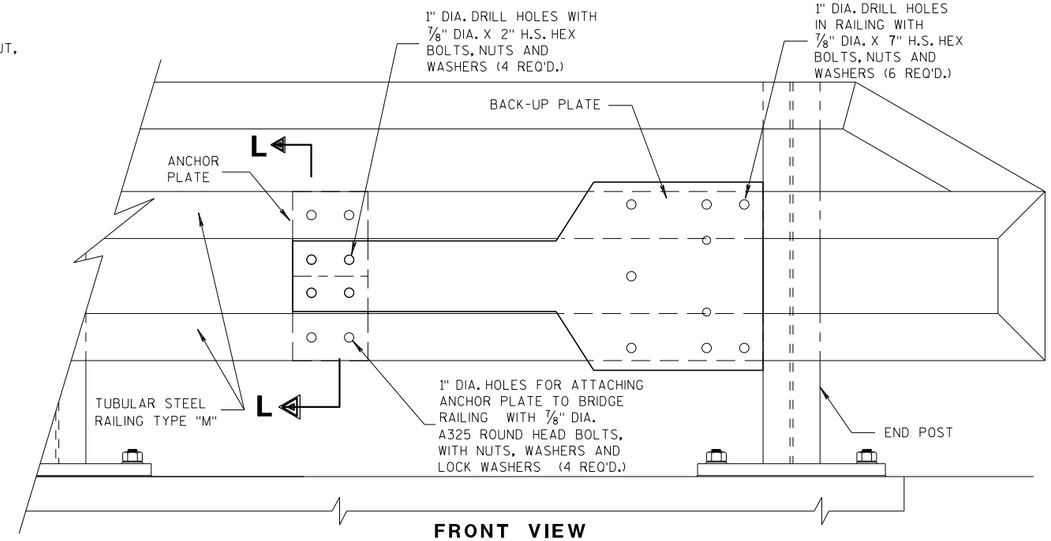
ANCHOR PLATE DETAIL, TYPE "M"



SECTION M-M

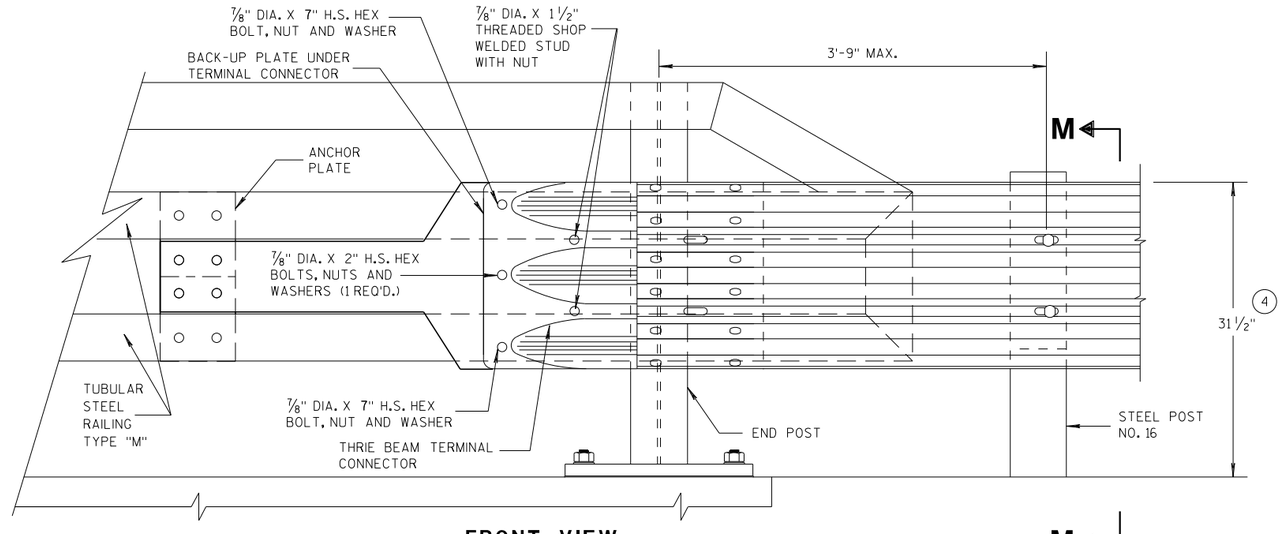


SECTION L-L

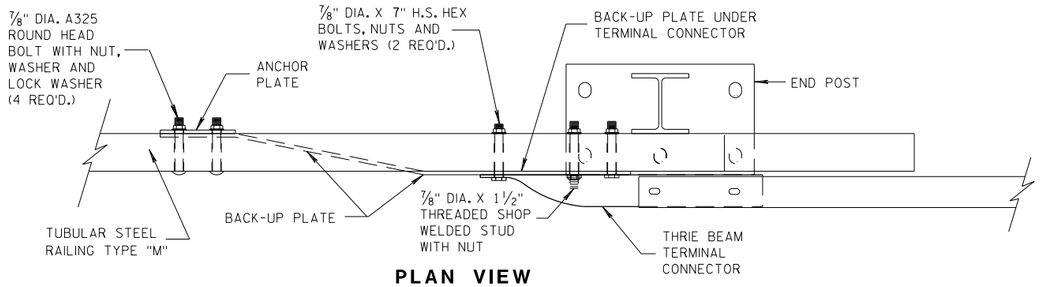


FRONT VIEW

ANCHOR AND BACK-UP PLATE MOUNTING TO BRIDGE RAILING, TYPE "M"



FRONT VIEW



PLAN VIEW

THRIE BEAM CONNECTION TO TUBULAR RAILING, TYPE "M"

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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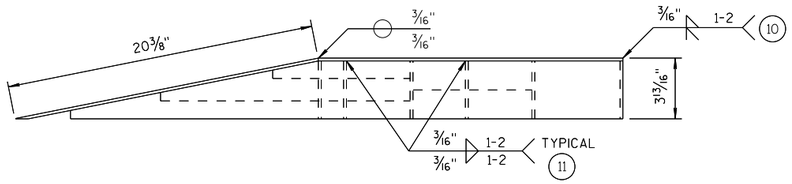

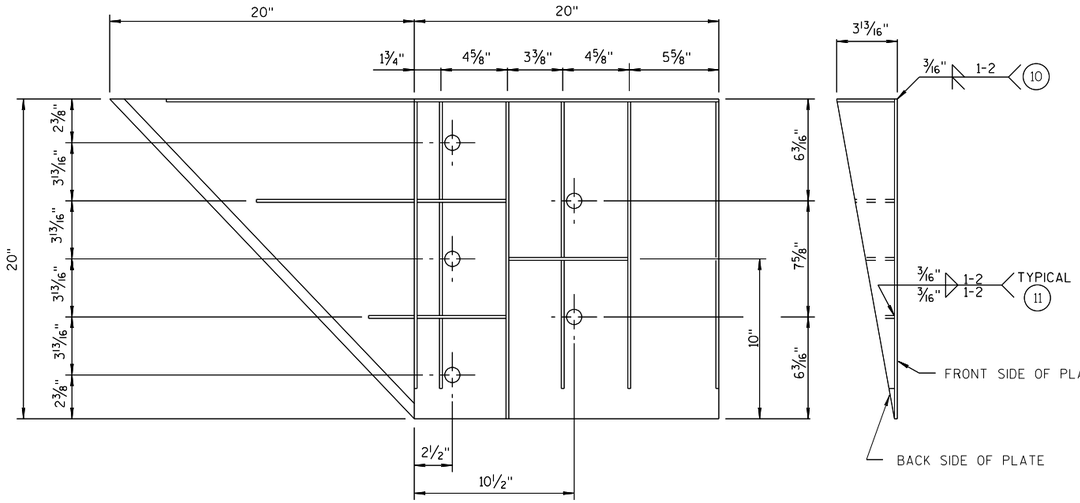

WELDING INSTRUCTION

(VIEWED FROM BACK SIDE OF PLATE)

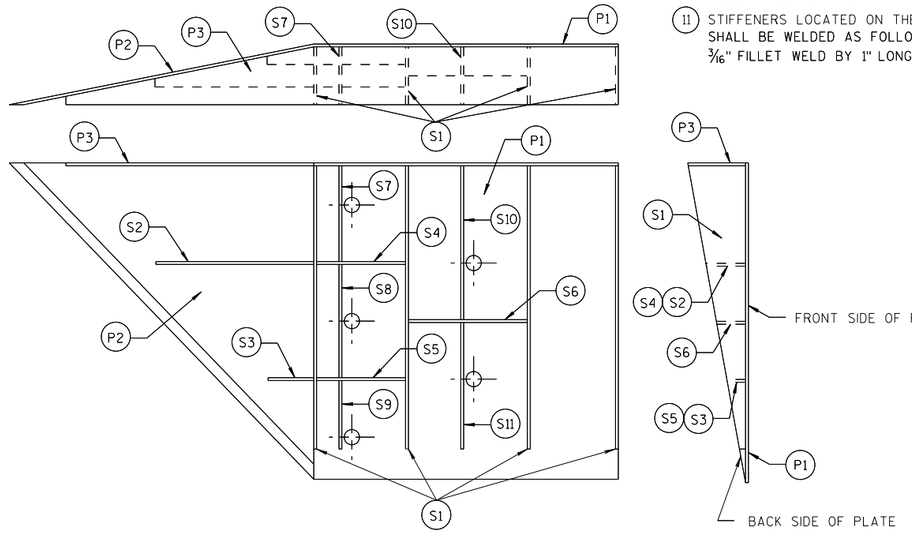

PLATE AND STIFFENER IDENTIFICATION

(VIEWED FROM BACK SIDE OF PLATE)

GENERAL NOTES

COVER PLATE PANELS ARE 3/16" THICK.

ALL STIFFENERS ARE 1/4" THICK.

CONNECTOR PLATE SHALL BE FABRICATED FROM ASTM GRADE A36 STEEL AND GALVANIZED.

FOR GALVANIZED REQUIREMENTS, SEE SECTION 614 OF THE STANDARD SPECIFICATIONS.

ALL HOLE DIAMETERS SHALL BE 1".

FOR OPPOSITE SIDE INSTALLATION MIRROR DRAWINGS.

(10) STIFFENERS LOCATED AT THE OUTSIDE EDGES OF THE COVER PLATES SHALL BE WELDED AS FOLLOWS:
SINGLE BEVEL GROOVE WELD ON EXTERNAL SIDES AND 3/16" FILLET WELD BY 1" LONG SPACED AT 2" ON INTERNAL SIDES.

(11) STIFFENERS LOCATED ON THE INSIDE OF THE COVER PLATE SHALL BE WELDED AS FOLLOWS:
3/16" FILLET WELD BY 1" LONG SPACED AT 2".

CONNECTOR PLATE DIMENSION (PER ASSEMBLY)

PLATE	QUANTITY	SHAPE	SIZE (A x B x C x D)	THICKNESS
P1	1		20" x 20"	3/16"
P2	1		20" x 20" x 28 9/16"	3/16"
P3	1		39" x 3 5/8" x 20" x 19 5/16"	3/16"
S1	4		18 7/16" x 3 5/8" x 18 3/4"	1/4"
S2	1		10 1/4" x 2 7/16" x 10 3/8" x 1/2"	1/4"
S3	1		3" x 1 1/16" x 3 1/8" x 1/2"	1/4"
S4	1		6 1/8" x 2 7/16"	1/4"
S5	1		6 1/8" x 1 1/16"	1/4"
S6	1		7 3/4" x 1 3/4"	1/4"
S7	1		2 9/16" x 6" x 3 5/8" x 5 7/8"	1/4"
S8	1		1 5/32" x 7 1/2" x 2 1/2" x 7 3/8"	1/4"
S9	1		6 1/16" x 6 3/16" x 1 3/32"	1/4"
S10	1		1 7/8" x 9 7/8" x 3 5/8" x 9 11/16"	1/4"
S11	1		8 1/2" x 8 3/4" x 1 13/16"	1/4"

SINGLE SLOPE CONNECTION PLATE

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
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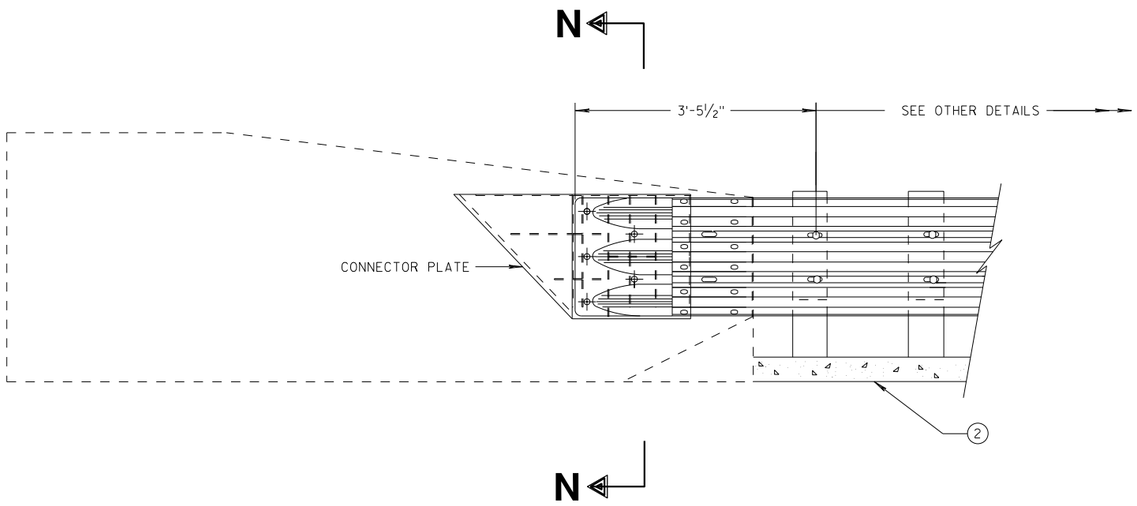
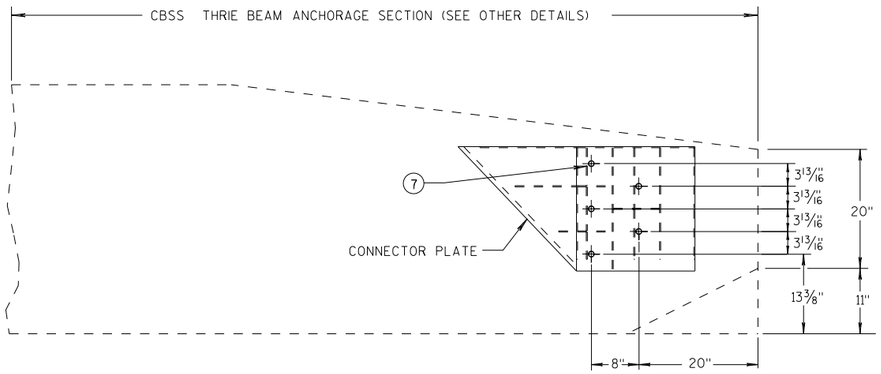


THRIE BEAM CONNECTION TO SINGLE SLOPE BARRIER



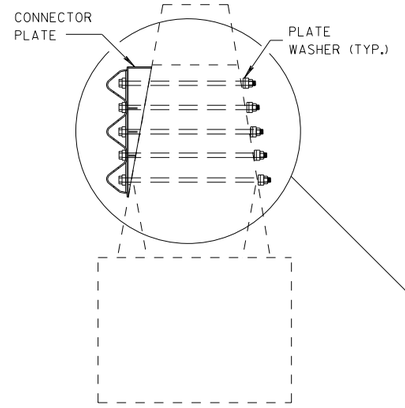
SINGLE SLOPE CONNECTION PLATE PLACEMENT

GENERAL NOTES

CONNECTOR PLATE, DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(7) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.



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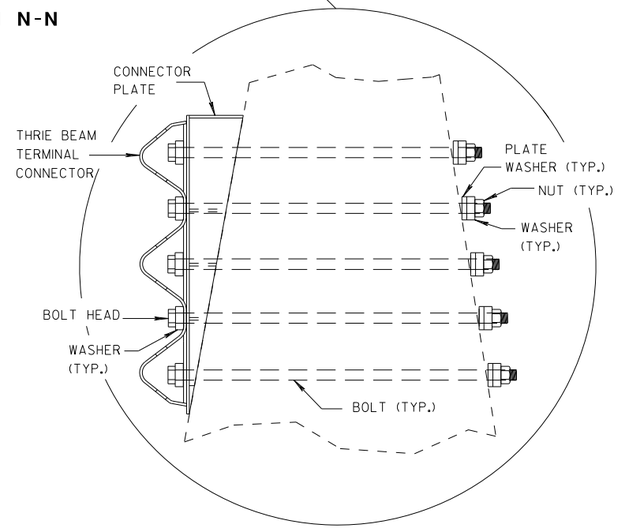

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
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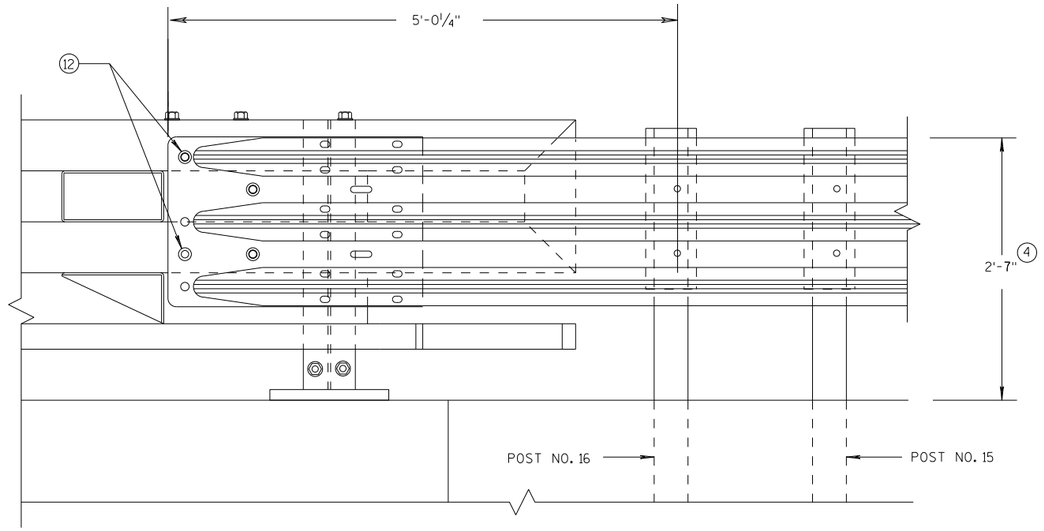
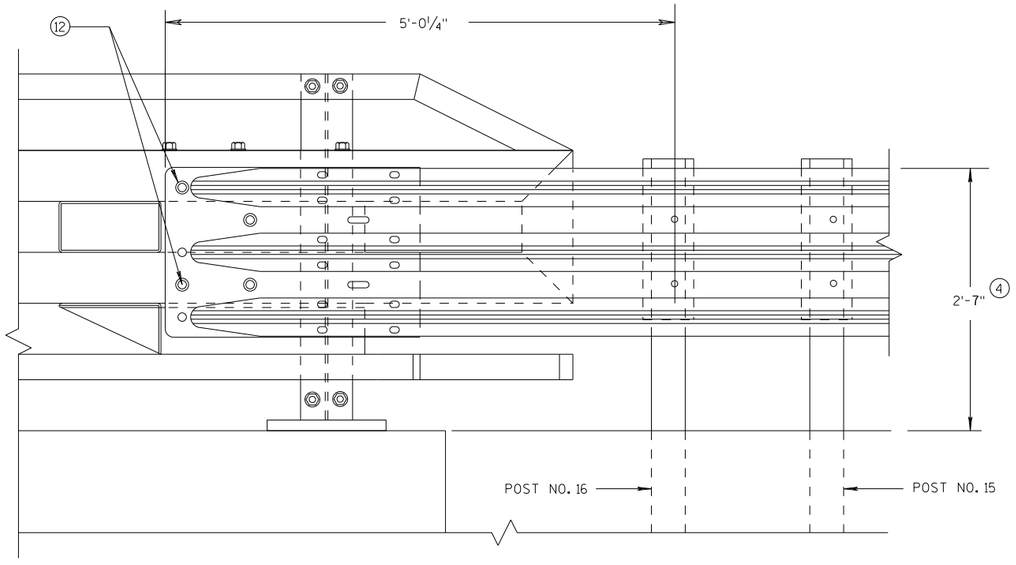


ELEVATION OF DETAIL AT NY3 END POST

THRIE BEAM RAIL ATTACHMENT



ELEVATION OF DETAIL AT NY4 END POST

THRIE BEAM RAIL ATTACHMENT

GENERAL NOTES

(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

(12) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. ON BACKSIDE OF PARAPET ONE ROUND WASHER, AND NUT REQUIRED. BOLT THREAD IS TO EXTEND 1/2-INCH BEYOND NUT.

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

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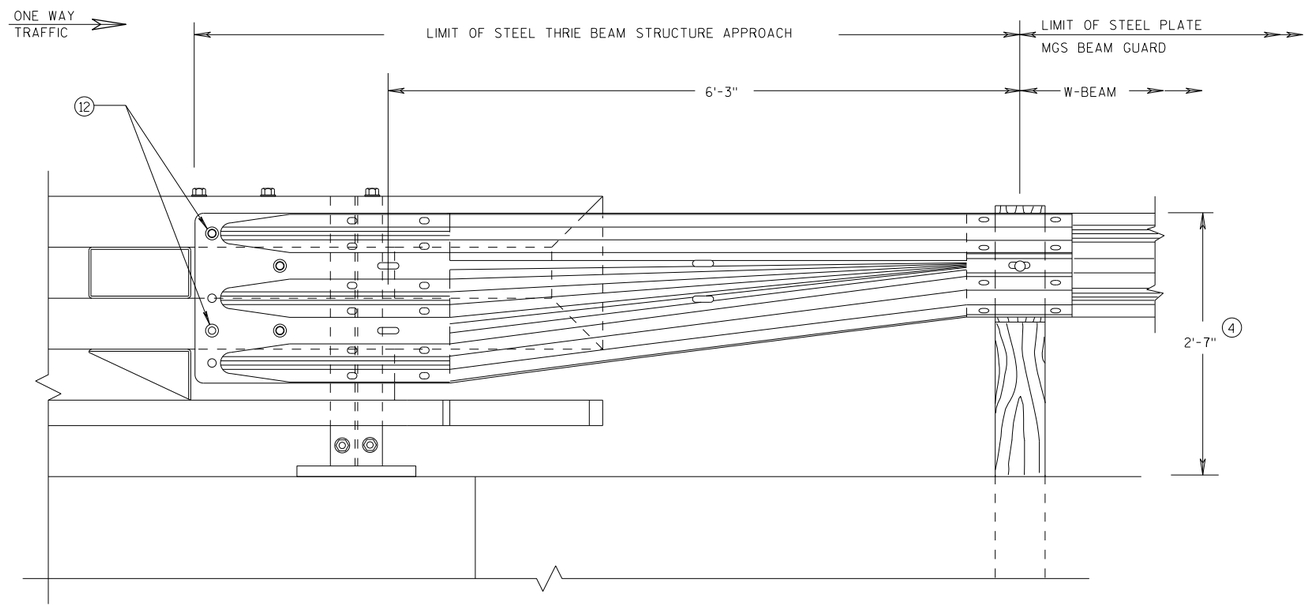


FRONT VIEW

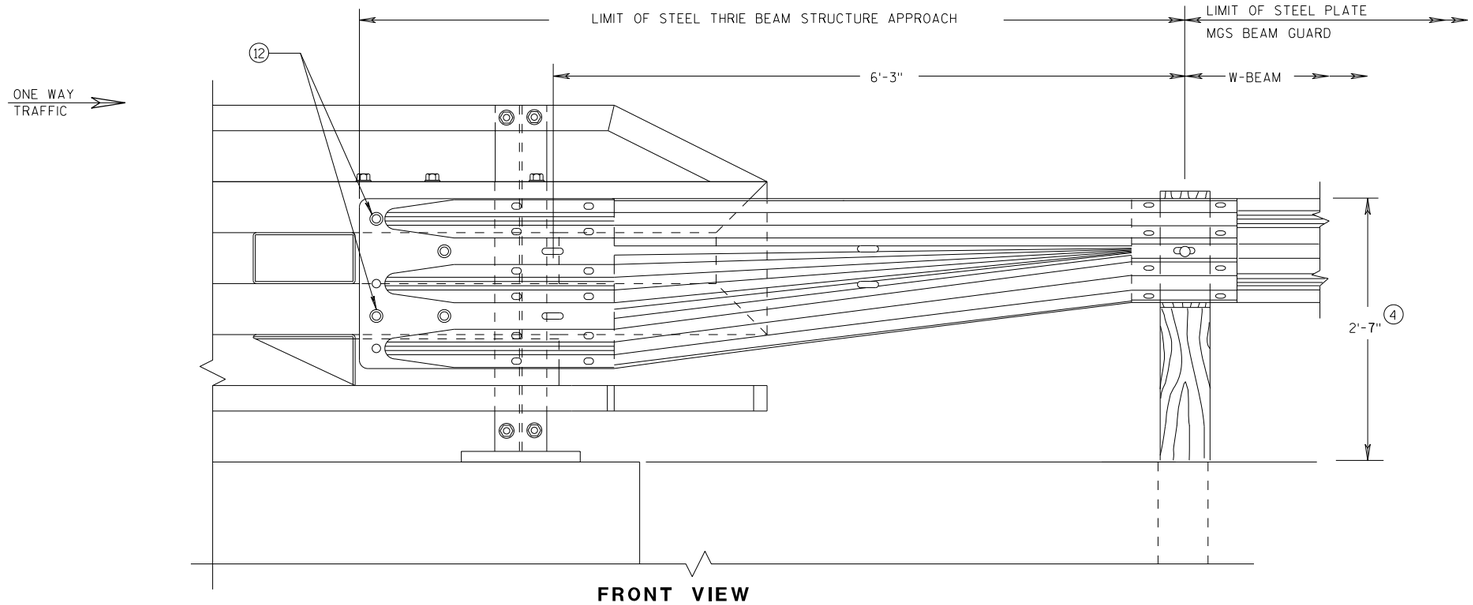
W BEAM TRANSITION AND CONNECTION TO BRIDGE RAILING TYPE "NY3"

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

GENERAL NOTES

(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

(12) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. ON BACKSIDE OF PARAPET ONE ROUND WASHER, AND NUT REQUIRED. BOLT THREAD IS TO EXTEND 1/2-INCH BEYOND NUT.



FRONT VIEW

W BEAM TRANSITION AND CONNECTION TO BRIDGE RAILING TYPE "NY4"

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

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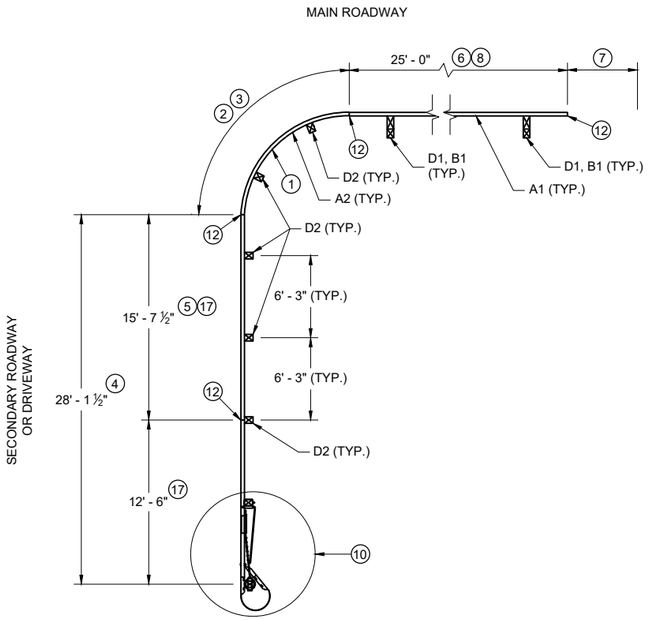
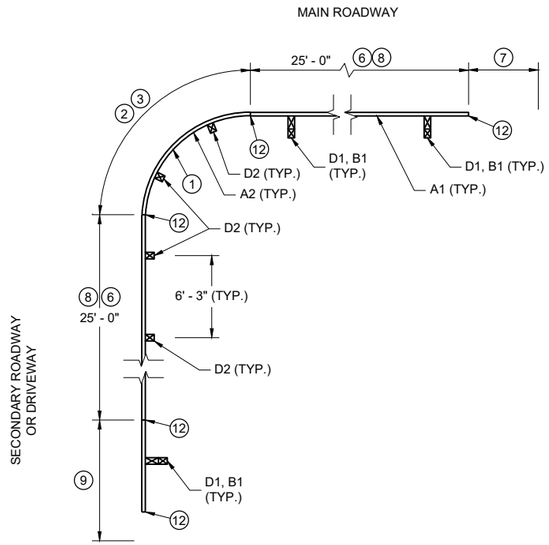


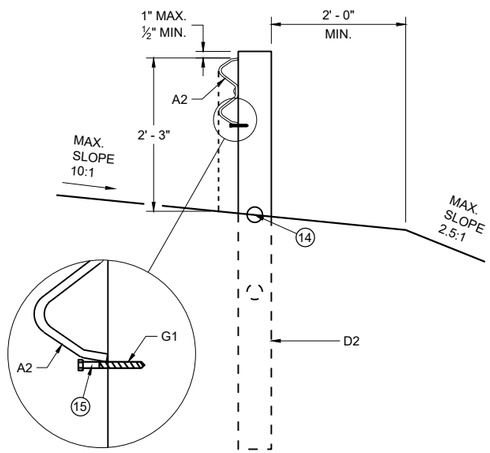
PLAN VIEW

SHORT RADIUS BEAM GUARD WITH SHORT RADIUS TERMINAL ON SECONDARY ROAD OR DRIVEWAY

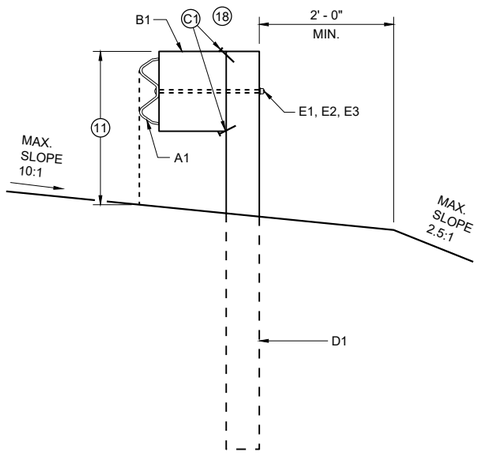


PLAN VIEW

SHORT RADIUS BEAM GUARD WITH EAT, ADDITIONAL BEAM GUARD OR TRANSITION TO RIGID BARRIER ON SECONDARY ROAD OR DRIVEWAY



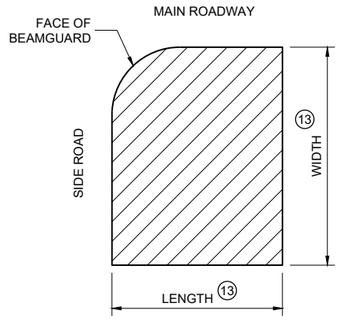
CONTROLLED RELEASE TERMINAL POST (CRT) IN RADIUS



BEAM GUARD POSTS IN HEIGHT TRANSITION

TABLE FOR RADIUS OF 32' AND LESS

RADIUS (FT)	LENGTH (FT)	WIDTH (FT)
8	25	15
16	30	15
24	40	20
32	50	30



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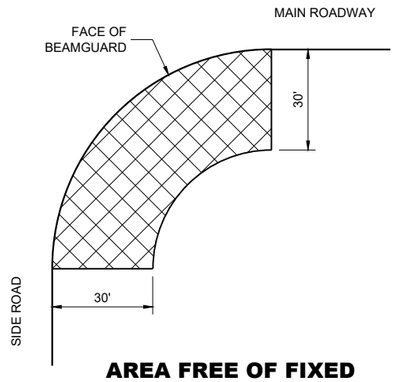
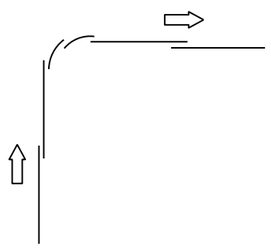
AREA FREE OF FIXED OBJECTS FOR RADIUS 32' AND LESS



AREA FREE OF FIXED OBJECTS FOR RADIUS GREATER THAN 32'



LAP SPLICE DETAIL

GENERAL NOTES

SEE PLANS FOR OTHER BARRIER SYSTEM AND LOCATION SPECIFICS.

SEE SDD 14B42 FOR MORE INFORMATION ON BEAM GUARD INSTALLATION, PARTS, MATERIALS, AND INSTALLATION INFORMATION.

GALVANIZE PARTS AFTER FABRICATION.

WELDING TO FOLLOW CURRENT REQUIREMENTS OF THE AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE ANSI / AWS D1.1.

UNLESS NOTED OTHERWISE, ALL PLATES ARE FLAT AND FREE OF WARP.

UNLESS NOTED OTHERWISE, ALL EDGES ARE SMOOTH, STRAIGHT AND VERTICAL.

ALL CUTS AND HOLES, EXCEPT IN BEAM GUARD RAIL ARE TO BE MACHINED OR MACHINE FLAME CUT.

UNLESS NOTED OTHERWISE, CUT OR PROVIDE BOLTS THAT ARE ¼" TO ½" BEYOND THE NUT.

DRAWINGS ARE NOT TO SCALE.

(1) RADIUS MEASURE FROM INSIDE OF RAIL. LENGTH OF BEAM GUARD SHORT RADIUS GUARD MEASURED ALONG TRAFFIC SIDE OF RAIL. RADIUS BETWEEN 8 FEET TO 150 FEET. SEE PLAN FOR REQUIRED RADIUS. BEAM GUARD RAIL IN RADIUS IS SHOP BENT. ODD RAIL LENGTH OR FIELD CUTS MAY BE REQUIRED.

(2) CONTROLLED RELEASE TERMINAL (CRT) POSTS ARE USED IN THE RADIUS. CONTROLLED RELEASE TERMINAL (CRT) POSTS ARE SPACED 6' - 3". SEE PLAN FOR NUMBER OF CONTROLLED RELEASE (CRT) POSTS.

(3) WITHIN RADIUS BEAM GUARD RAILS ARE NOT BOLTED TO POSTS. BEAM GUARD RAIL IS RESTED ON TOP OF LAG SCREW.

(4) MINIMUM LENGTH OF BEAM GUARD ALONG SIDE ROAD OR DRIVEWAY TO INSTALL SHORT RADIUS TERMINAL. BEAM GUARD IS PAID WITH BEAM GUARD ITEM.

(5) ODD LENGTH OF BEAM GUARD REQUIRED TO INSTALL SHORT RADIUS TERMINAL.

(6) MINIMUM AMOUNT OF BEAM GUARD TO BE INSTALLED PRIOR TO TRANSITION TO RIGID BARRIER. ADDITIONAL BEAM GUARD, OR EAT. BEAM GUARD PAID FOR WITH BEAM GUARD ITEM. SEE PLANS FOR MORE DETAIL.

(7) BEAM GUARD, EAT, OR TRANSITION TO RIGID BARRIER. SEE PLAN.

(8) TOP OF BEAM GUARD BY THE RADIUS IS 27". HEIGHT OF BEAM GUARD IS 31" BY TRANSITION TO RIGID BARRIER, ADDITIONAL BEAM GUARD OR EAT.

(9) ADDITIONAL BEAM GUARD, EAT OR TRANSITION TO RIGID BARRIER. BEAM GUARD SHOWN. SEE PLAN FOR DETAILS.

(10) SHORT RADIUS TERMINAL (SEE OTHER DETAILS).

(11) HEIGHT VARIES. SEE NOTE (8) AND (17).

(12) BEAM GUARD RAIL SPLICE LOCATION. SPLICE LOCATION REQUIRES PART F1 AND F2. SEE SDD 14B42 FOR DETAILS.

(13) SEE TABLE FOR VALUES.

(14) MAXIMUM HEIGHT FOR CENTER OF HOLE IS ¾ " ABOVE FINISHED GROUND ±1".

(15) DRILL POST $^{15}/_{64}$ " DIA. PILOT HOLE. DO NOT HAMMER LAG SCREW INTO POST.

(16) SMALL SIGNS ON BREAKAWAY HARDWARE ARE ACCEPTABLE.

(17) TOP OF RAIL HEIGHT IS 27" WHEN USING A SHORT RADIUS TERMINAL (CRT).

(18) INITIAL 1 NAIL AT EACH CORNER OF THE BLOCK TO CONNECT BLOCKS.

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

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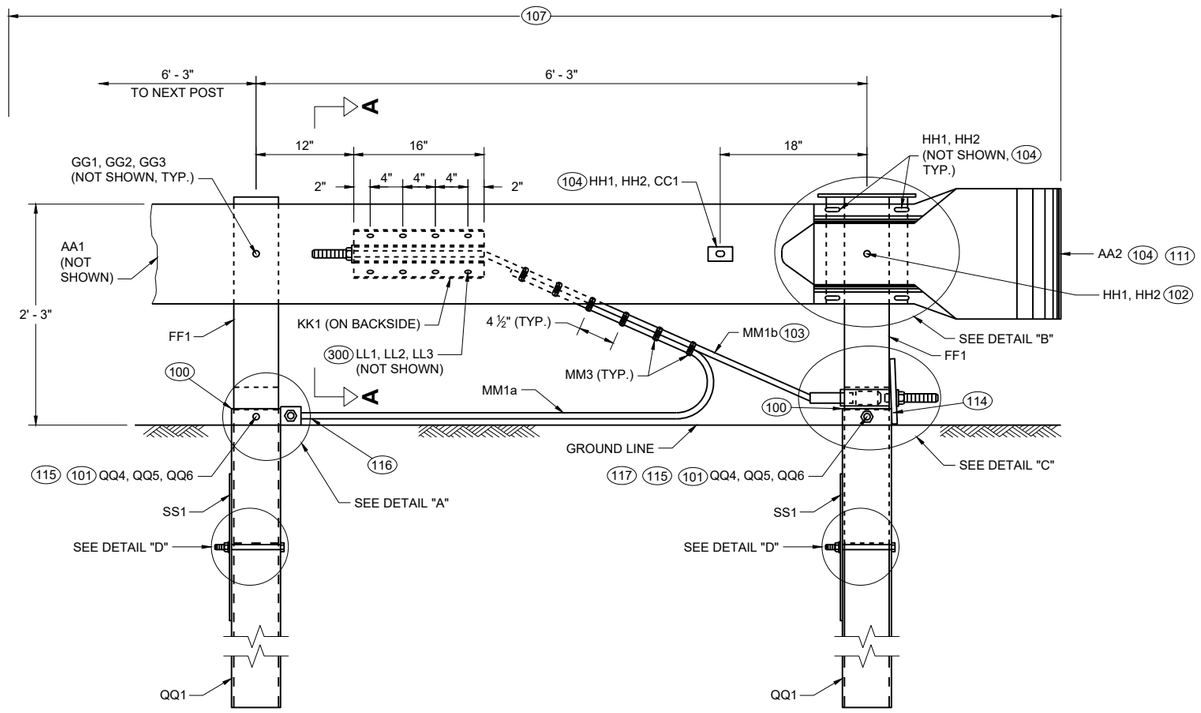
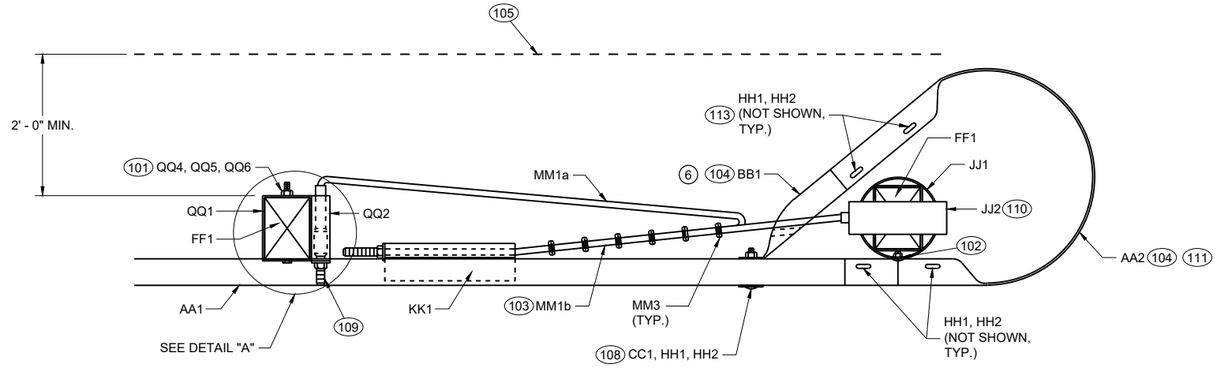


PROFILE VIEW

SHORT RADIUS TERMINAL



TOP VIEW

SHORT RADIUS TERMINAL

GENERAL NOTES

(100) TOP OF FOUNDATION TUBE 2 INCHES MAXIMUM ABOVE FINISHED GROUND.

(101) WASHERS REQUIRED BETWEEN BOLT HEAD AND FOUNDATION TUBE AND BETWEEN NUT AND FOUNDATION TUBE.

(102) SPLICE BOLT AND NUT CONNECTS BEAM GUARD RAIL, W-BEAM SECTION BUFFER, AND STEEL PIPE ASSEMBLY. NO WASHER REQUIRED. SEE DETAIL "B".

(103) CABLE IS TAUT.

(104) ADJUST AA2 AND BB1 TO FIT.

(105) BREAK POINT OF SHOULDER.

(106) TACK WELD CABLE CONNECTOR TUBE PLATE TO CABLE CONNECTION TUBE. SEE DETAIL "A" PROFILE VIEW.

(107) PAY LIMIT FOR BEAM GUARD.

(108) SQUARE WASHER BETWEEN HEAD OF BOLT AND TRAFFIC FACE OF BEAM GUARD. ROUND WASHER REQUIRED BETWEEN NUT AND BB1.

(109) CUT OR PROVIDE THREADED STUD THAT IS FLUSH WITH FACE OF BEAM GUARD RAIL KK1 (PLUS OR MINUS 1/2" TOLERANCE). DEBURR AFTER CUTTING.

(110) SEE STEEL PIPE ASSEMBLY DETAILS.

(111) ATTACH UU2 WITH UU3. SHOP APPLY UU1 TO UU2.

(112) FOUR (4) HH1 AND HH2 REQUIRED TO ATTACH AA1 TO AA2.

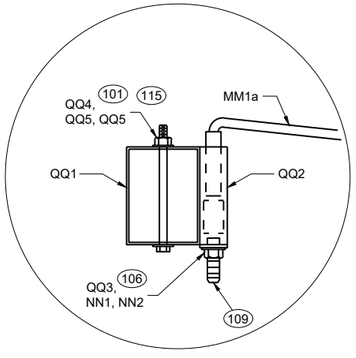
(113) FOUR (4) HH1 AND HH2 REQUIRED TO ATTACH AA2 TO BB1.

(114) NO MATERIAL IS TO BE PLACED AGAINST THE VERTICAL FACES OF BEARING PLATE.

(115) PREVENT OR REMOVE MATERIALS THAT BLOCK ACCESS TO BOLTS FOR POST AND SOIL TUBE.

(116) PREVENT OR REMOVE MATERIALS THAT BLOCK ACCESS TO BOLT. PLACE CABLE ON TOP OF MATERIAL.

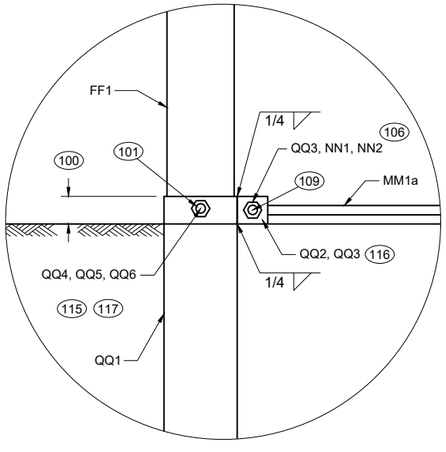
(117) ONE WASHER BETWEEN BOLD HEAD AND FOUNDATION TUBE AND BETWEEN NUT AND FOUNDATION TUBE.



TOP VIEW

DETAIL "A"

(WOOD BREAKAWAY AND BEAM GUARD RAIL POSTS NOT SHOWN)



PROFILE VIEW

DETAIL "A"

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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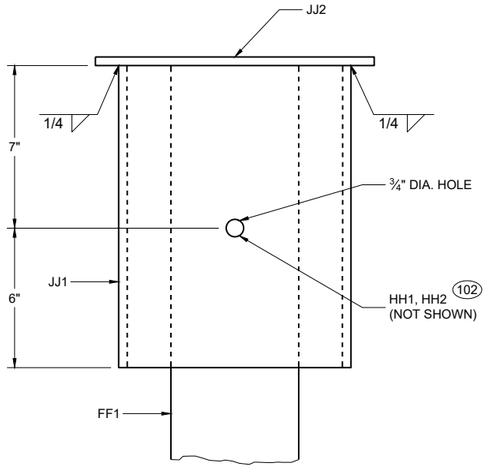
SDD 14B53-04b

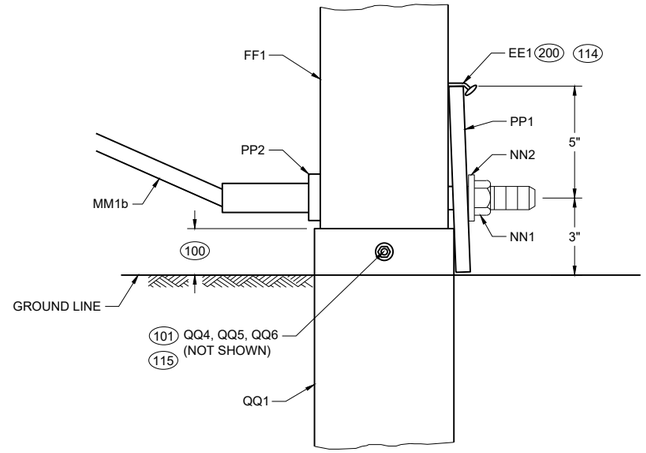
GENERAL NOTES

(200) TWO (2) NAILS SPACED 4 INCHES CENTER TO CENTER.



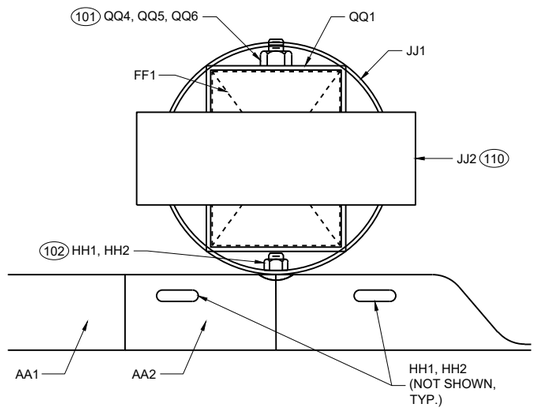
PROFILE VIEW

DETAIL "B"
STEEL PIPE ASSEMBLY
(BEAM GUARD AND W BEAM END SECTION NOT SHOWN)



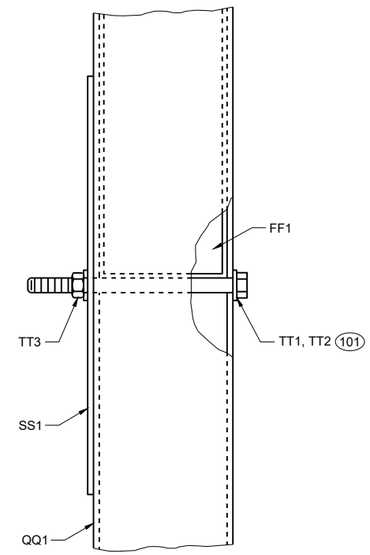
PROFILE VIEW

DETAIL "C"



PLAN VIEW

DETAIL "B"
STEEL PIPE ASSEMBLY



PROFILE VIEW

DETAIL "D"

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
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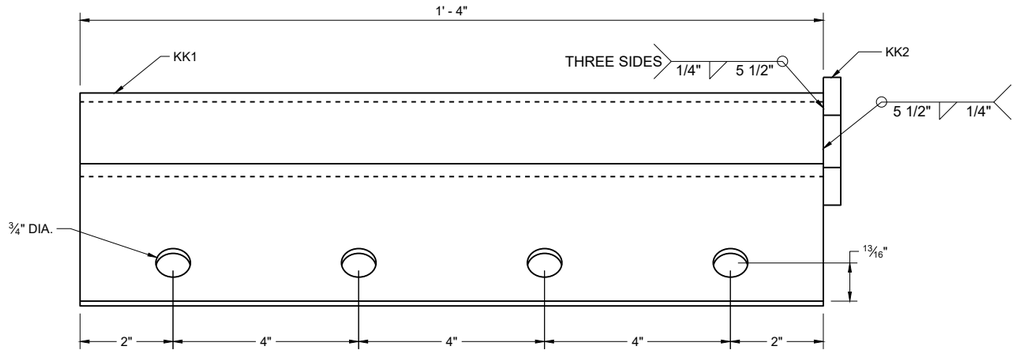
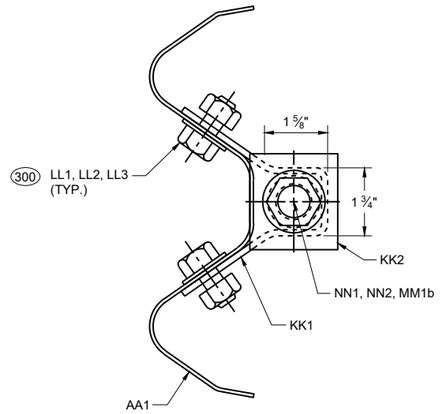
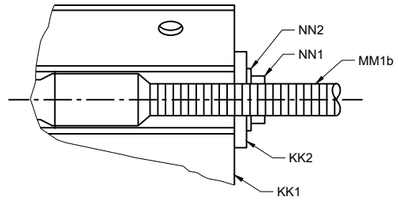
GENERAL NOTES

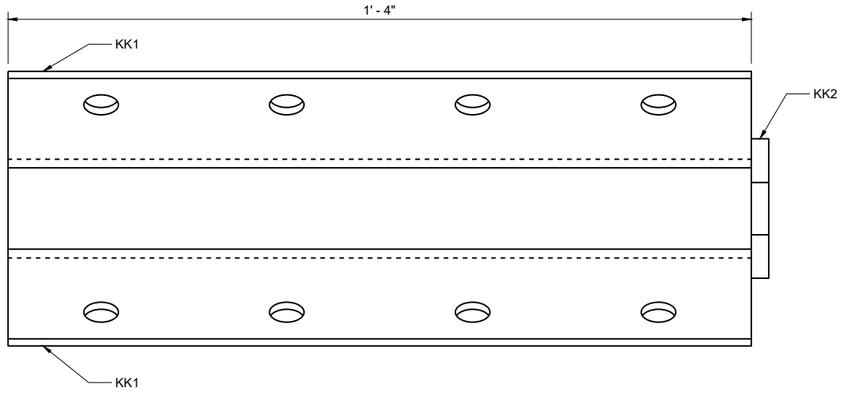
(300) WASHERS REQUIRED BETWEEN BOLT HEAD AND BEAM GUARD RAIL AND BETWEEN NUT AND ANCHOR BRACKET. EIGHT (8) LL1 AND LL3 REQUIRED. SIXTEEN (16) LL2 REQUIRED.

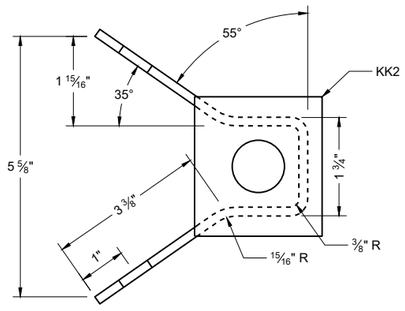




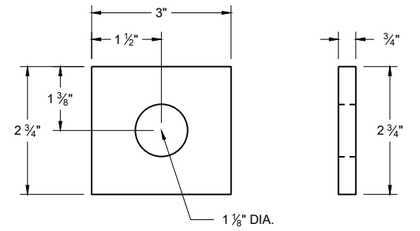


SECTION A - A





ANCHOR BRACKET (KK1, KK2)



ANCHOR BRACKET BEARING PLATE (KK2)

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SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
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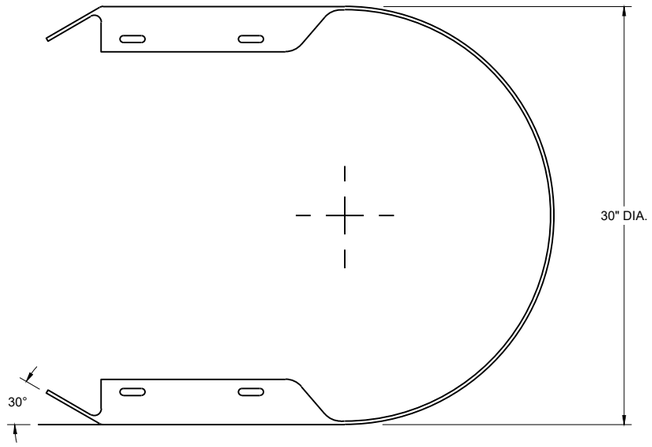
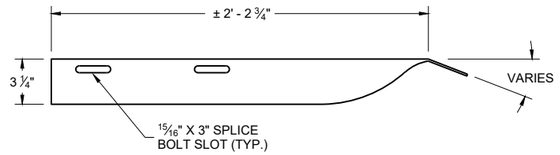
GENERAL NOTES

(400) CROSS SECTION OF PART IS TO FIT OVER AA1 .

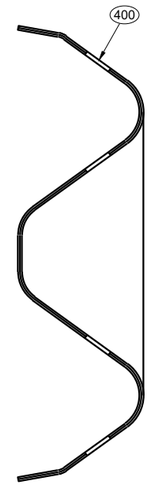
(401) CROSS SECTION OF PART IS TO FIT OVER OR UNDER AA1 .



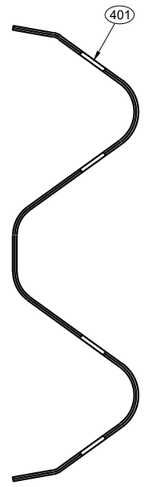
TOP VIEW



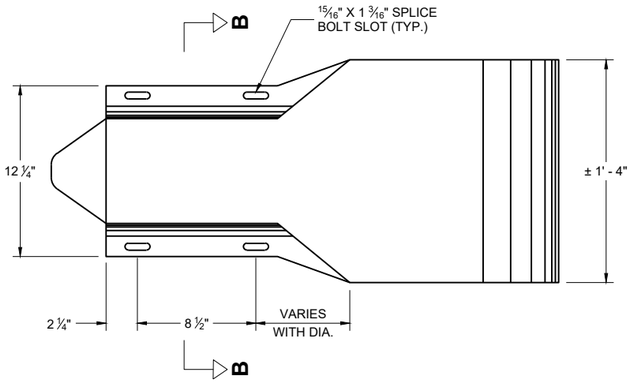
TOP VIEW



SECTION B -B

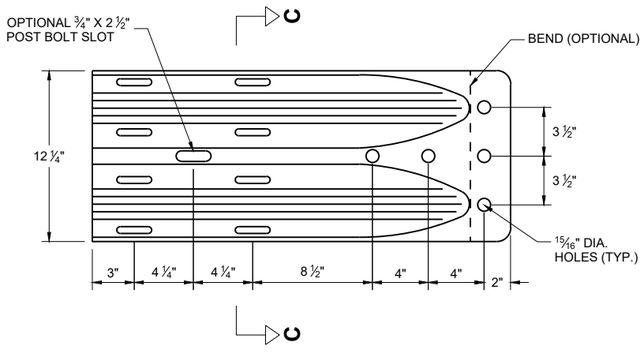


SECTION C -C



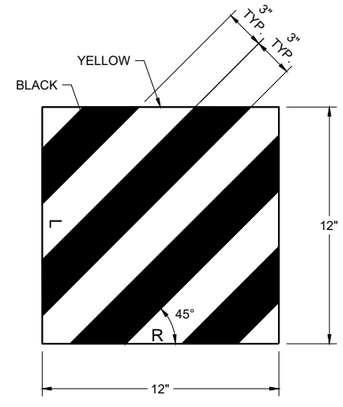
PROFILE VIEW

W BEAM
END SECTION BUFFER (AA2)



PROFILE VIEW

W BEAM
TERMINAL CONNECTOR (BB1)



REFLECTIVE SHEETING (UU1, UU2)

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
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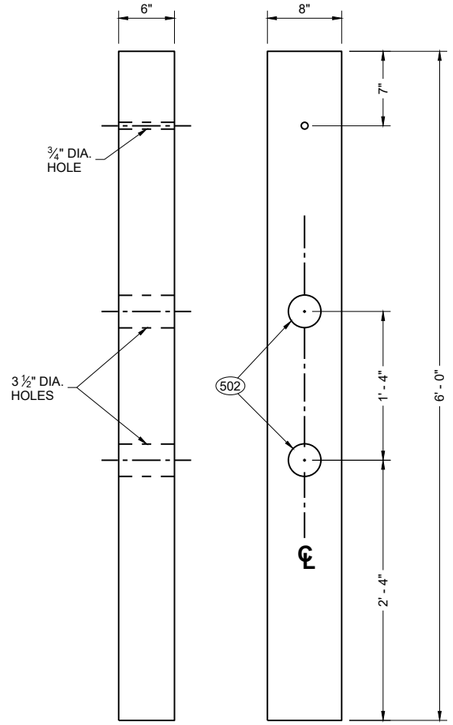
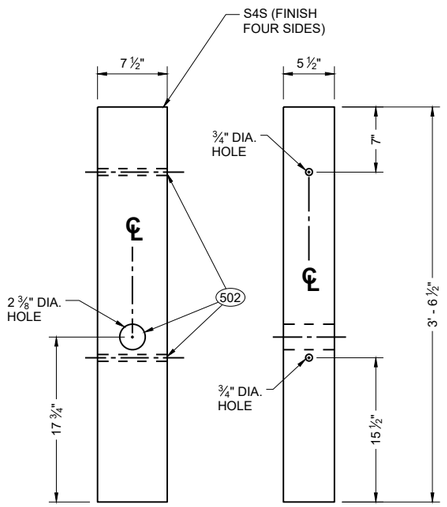


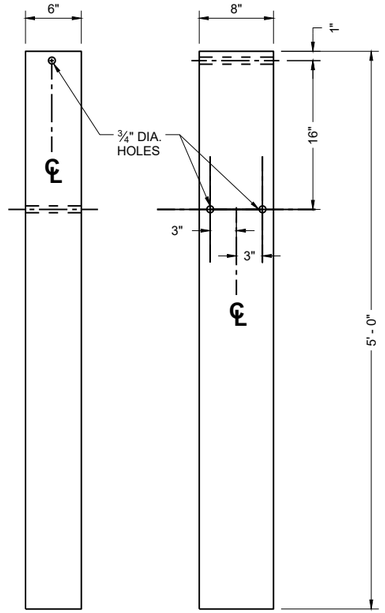
FRONT VIEW SIDE VIEW

CONTROLLED RELEASE POST (CRT) (DD2)



FRONT VIEW SIDE VIEW

WOOD BREAKAWAY POST (FF1)



FRONT VIEW SIDE VIEW

FOUNDATION TUBE (QQ1) (500)

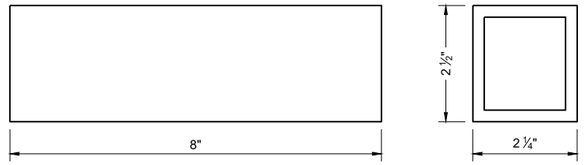
GENERAL NOTES

(500) SEE DETAIL "D" FOR LOCATION AND ATTACHMENT OF SS1.

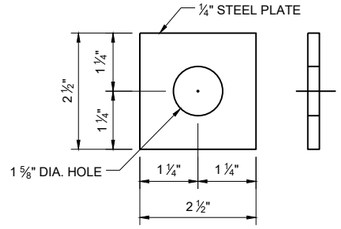
(501) FOR MM1a THREADED STUD ONLY REQUIRED ON ONE END. SWAGED FITTING REQUIRED.

(502) LOCATE HOLES ON THE CENTERLINE OF THE SIDE OF THE POST.

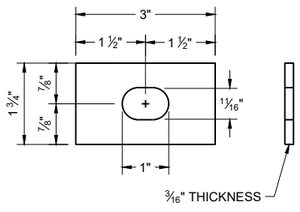
(503) MM1a MAY HAVE ONE THREADED STUD 4 INCHES LONG. SEE NOTE (109)



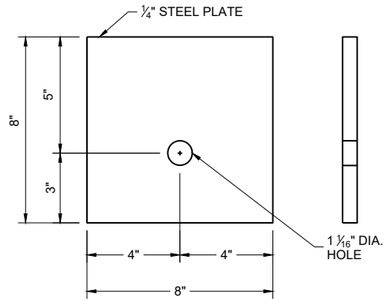
FOUNDATION TUBE - ANCHOR CABLE TUBE (QQ2)



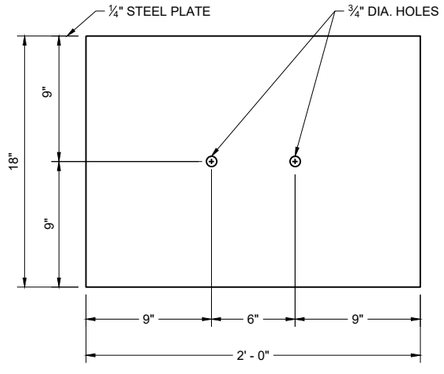
ANCHOR CABLE TUBE END PLATE (QQ3)



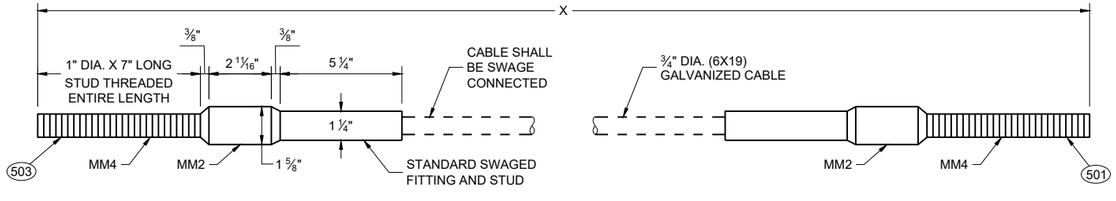
RECTANGULAR PLATE WASHER (CC1)



BEARING PLATE (PP1)



SOIL PLATE (SS1)



CABLE ASSEMBLY (MM1a, MM1b)

"X" LENGTH

MM1b	9' - 0"
MM1b	6' - 8"

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
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BILL OF MATERIALS - SHORT RADIUS BEAM GUARD (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
A1	BEAM GUARD RAIL	AASHTO M180, CLASS A, TYPE 2	
		APPROVED PRODUCER	
A2	BEAM GUARD RAIL - SHOP BENT	INDICATE ON BACK OF RAIL THE RADIUS THAT RAIL WAS BENT TO. SHOP BEND RADIUS IS TO THE NEAREST FOOT. FOLLOW AASHTO M180 ON HOW TO MARK RADIUS INFORMATION.	
		AASHTO M180, CLASS A, TYPE 2	
		APPROVED PRODUCER	
B1	BLOCK - WOOD	WISDOT SPEC. 614	SEE SDD 14B42
C1	NAIL	ASTM A153 HOT DIP CLASS D	
		ASTM F1667 TYPE 1 STYLE 12 (16 DOUBLE HEAD)	
D1	POST-STRONG POST-WOOD	WISDOT SPEC. 614	SEE SDD 14B42
D2	POST-CRT-WOOD	WISDOT SPEC. 614	
E1	POST BOLT	ASTM A307 GRADE A OR SAE J429 GRADE 2	5/8" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		AASHTO M180	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	
E2	POST BOLT - WASHER	ASTM F436 TYPE 1 (HARDEN TYPICALLY USED WITH STEEL) OR ASTM F844 (UNHARDENED TYPICALLY WITH WOOD)	5/8" DIA.
		GALV. AASHTO M111 / ASTM A 123 OR GALV. HOT DIP. TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329	
E3	POST BOLT - NUT	AASHTO M180 DOUBLE RECESSED HEAVY HEX HEAD	5/8" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		ASTM A563 GRADE A HEAVY HEX HEAD	
F1	SPLICE BOLT	GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	5/8" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		ASTM A307 GRADE A OR SAE J429 GRADE 2	
		UNC	
		AASHTO M180	

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
F2	SPLICE BOLT - NUT	ASTM A563 GRADE A	5/8" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		AASHTO M180 DOUBLE RECESSED HEAVY HEX HEAD	
		GALV. HOT DIP TO AASHTO M232 CLASS C/ASTM A153 CLASS C/ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1/ASTM B695 CLASS 50, TYPE 1	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		UNC	
G1	LAG SCREW	ASTM A308 GRADE A ASTM A153 CLASS D	1/2" DIA. 6" LONG
H1	DELINEATOR - BEAM GUARD		SEE SDD 14B42 FOR MORE INFORMATION
H2	DELINEATION - SHEETING	YELLOW OR WHITE	
		WISDOT SPEC 637 TYPE SH	
		APPROVED PRODUCT LIST	
J1	FOUNDATION BACKFILL	STANDARD SPEC. 614	
AA1	BEAM GUARD RAIL - PUNCHED	AASHTO M180, CLASS A, TYPE 2	
		APPROVED PRODUCER	
AA2	BEAM GUARD RAIL - END SECTION BUFFER	AASHTO M180, CLASS A, TYPE 2	
		APPROVED PRODUCER	
BB1	BEAM GUARD RAIL - TERMINAL CONNECTOR MODIFIED	AASHTO M180, CLASS A, TYPE 2	
		APPROVED PRODUCER	
CC1	SHORT RADIUS - SQUARE WASHER	AASHTO M180	
		GALV. AASHTO M111 / ASTM A123	
EE1	NAIL	ASTM A153 HOT DIP CLASS D	
		ASTM F1667 TYPE 1 STYLE 12 (16 DOUBLE HEADED)	
FF1	POST - BCT - WOOD	S4S FINISH ON 4 SIDES	
		WISDOT SPEC. 614	
GG1	POST BOLT	ASTM A307 GRADE A OR SAE J429 GRADE 2	3/8" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		AASHTO M180	
		GALV. HOT DIP TO AASHTO M232 CLASS C/ASTM A153 CLASS C/ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1/ASTM B695 CLASS 50, TYPE 1	
		UNC	
GG2	POST BOLT - WASHER	ASTM F436 TYPE 1 (HARDEN TYPICALLY USED WITH STEEL) OR ASTM F844 (UNHARDENED TYPICALLY WITH WOOD)	3/8" DIA.
		GALV. AASHTO M111 / ASTM A 123 OR GALV. HOT DIP. TO AASHTO M232 CLASS C/ASTM A153 CLASS C / ASTM F2329	

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 14B53-04g

BILL OF MATERIALS - SHORT RADIUS BEAM GUARD (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
GG3	POST BOLT - NUT	ASTM A563 GRADE A	3/8" DIA. SEE 14B42 FOR GEOMETRY
		AASHTO M180 DOUBLE RECESSED HEAVY HEX HEAD	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		ASTM A563 GRADE A HEAVY HEX HEAD	
HH1	SPLICE BOLT	GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	3/8" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		ASTM A307 GRADE A OR SAE J429 GRADE 2	
		UNC	
		AASHTO M180 HEAD GEOMETRY	
HH2	SPLICE BOLT - NUT	ASTM A563 GRADE A	3/8" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		AASHTO M180 DOUBLE RECESSED HEAVY HEX HEAD	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		UNC	
JJ1	PIPE - STEEL	ASTM A53 GALVANIZED GRADE B SCHEDULE 40	10" O.D.
JJ2	TOP PLATE	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	DIMENSIONS 3/8" X 4" X 1' - 0"
		GALV. AASHTO M111 / ASTM A123	
KK1	ANCHOR BRACKET	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	
		GALV. AASHTO M111 / ASTM A123	
KK2	ANCHOR BRACKET - BEARING PLATE	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	
		GALV. AASHTO M111 / ASTM A123	
LL1	ANCHOR BRACKET - BOLT	ASTM A307 GRADE B HEAVY HEX HEAD OR SAE J429 GRADE 2 HEAVY HEX HEAD	5/8" DIA.
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
LL2	ANCHOR BRACKET - WASHER	ASTM F436 TYPE 1 (HARDEN WASHER ONLY)	5/8" DIA.
		GALV. AASHTO M111 / ASTM A123 OR GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329	
LL3	ANCHOR BRACKET - NUT	ASTM A563 GRADE A	5/8" DIA.
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		UNC	
MM1a	ANCHOR CABLE	AASHTO M30 / ASTM A741 INDEPENDENT WIRE CORE (IWRC) OR WIRE STRAND CORE (WCS), IMPROVED PLOW STEEL (IPS), 6X19, TYPE II OR IIc CLASS C ZINC COATED	
MM1b	ANCHOR CABLE	AASHTO M30 / ASTM A741 INDEPENDENT WIRE CORE (IWRC) OR WIRE STRAND CORE (WCS), IMPROVED PLOW STEEL (IPS), 6X19, TYPE II OR IIc CLASS C ZINC COATED	
MM2	ANCHOR CABLE - SWAGE FITTING	ASTM A576 GRADE 1035	
		SWAGE FITTINGS ARE TO BE FACTORY SWEDGED. WITH A BREAKING STRENGTH 40,000 LBS.	
		GALV. AASHTO M111 / ASTM A123	
		ASME B30.26 FORGED, CAST, OR DIE STAMPED WITH THE FOLLOWING INTO CONNECTION: NAME OF MANUFACTURER OR TRADEMARK OF CONNECTION'S MANUFACTURER, SIZE OR RATED LOAD, GRADE.	
MM3	WIRE ROPE CABLE CLAMPS	FF-C-450D TYPE 1 CLASS 1	3/4"
		ASTM A153 HOT DIP CLASS D	
MM4	ANCHOR CABLE - SWAGE FITTING - STUD	ASTM F3125 GRADE A325 TYPE 1 OR SAE GRADE 5 OR ASTM A449 TYPE 1 HEAVY HEX HEAD	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	
NN1	ANCHOR CABLE - NUT	ASTM A563 GRADE A	1" DIA.
		AASHTO M180 DOUBLE RECESSED HEAVY HEX HEAD	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		UNC	
NN2	ANCHOR CABLE - NUT - WASHER	ASTM F436 TYPE 1 (HARDEN WASHER ONLY)	1" DIA.
		GALV. AASHTO M111 / ASTM A123 OR GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329	

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 14B53-04h

BILL OF MATERIALS - SHORT RADIUS BEAM GUARD (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
PP1	BEARING PLATE AT POST	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	
		GALV. AASHTO M111 / ASTM A123	
PP2	PIPE - STEEL	ASTM A53 GALVANIZED GRADE B SCHEDULE 40	2" DIA. x 6" LONG
QQ1	FOUNDATION TUBE	ASTM A500 GRADE B	8" X 6" X 3/16"
		GALV. AASHTO M111 / ASTM A123	
QQ2	SHORT RADIUS - FOUNDATION TUBE - ANCHOR CABLE - TUBE	ASTM A500 GRADE B	DIMENSIONS 2 1/2" X 2 1/4" X 1/4" X 8"
		GALV. AASHTO M111 / ASTM A123	
QQ3	SHORT RADIUS - SOIL TUBE - ANCHOR CABLE - TUBE - END PLATE	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	DIMENSIONS 2 1/2" X 2 1/2" X 1/4"
		GALV. AASHTO M111 / ASTM A123	
QQ4	GROUND STRUT AND YOKE - BOLT	GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	5/8 DIA.
		ASTM A307 GRADE B HEAVY HEX HEAD OR SAE J429 GRADE 2 HEAVY HEX HEAD	
		UNC	
QQ5	GROUND PLATE AND YOKE - WASHER	ASTM F436 TYPE 1 (HARDEN WASHER ONLY)	5/8 DIA.
		GALV. AASHTO M111 / ASTM A123 OR GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329	
QQ6	GROUND STRUT AND YOKE - NUT	HEAVY HEX	5/8 DIA.
		UNC	
		ASTM A563 GRADE A	
		OVER TAPPED NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
SS1	SOIL PLATE	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	
		GALV. AASHTO M111 / A123	
TT1	SOIL PLATE - BOLT	ASTM A307 GRADE B HEAVY HEX HEAD OR SAE J429 GRADE 2 HEAVY HEX HEAD	5/8 DIA.
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	
TT2	SOIL PLATE - WASHER	ASTM F436 TYPE 1 (HARDEN WASHER ONLY)	5/8 DIA.
		GALV. AASHTO M111 / ASTM A123 OR GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329	
TT3	SOIL PLATE - NUT	GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	5/8 DIA.
UU1	OBJECT MARKER - SHEETING	MUTCD / WISDOT OBJECT MARKER TYPE 3	PATTERN AND COLOR FOR SHEETING. SHEETING TYPE FOR MARKER.
		WISDOT SPEC 637 TYPE F	
		APPROVED PRODUCT LIST	
UU2	OBJECT MARKER - ALUMINUM PLATE	WISDOT SPEC 637 ALUMINUM PLATE	MATERIAL AND THICKNESS OF MATERIALS
UU3	OBJECT MARKER - SCREWS	STAINLESS SELF-TAPPING SCREWS	
VV1	FOUNDATION BACKFILL	WISDOT SPEC 614	

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

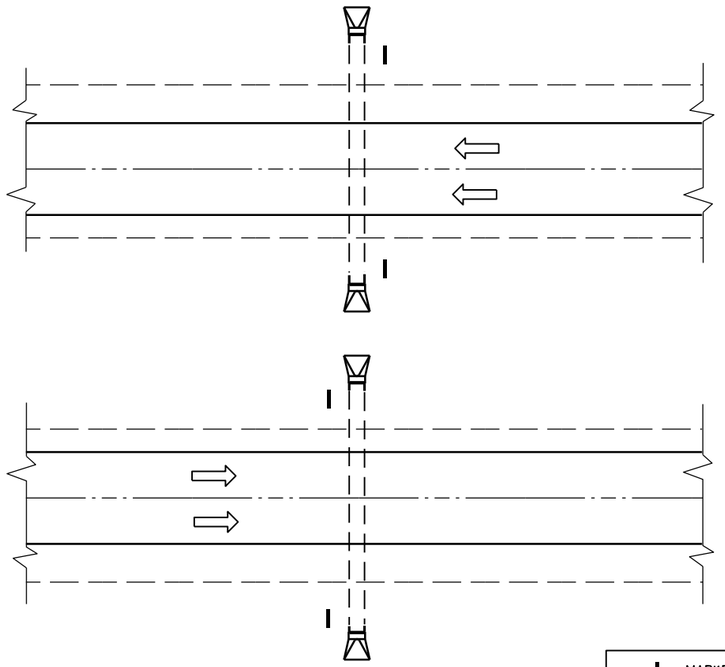
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2024 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

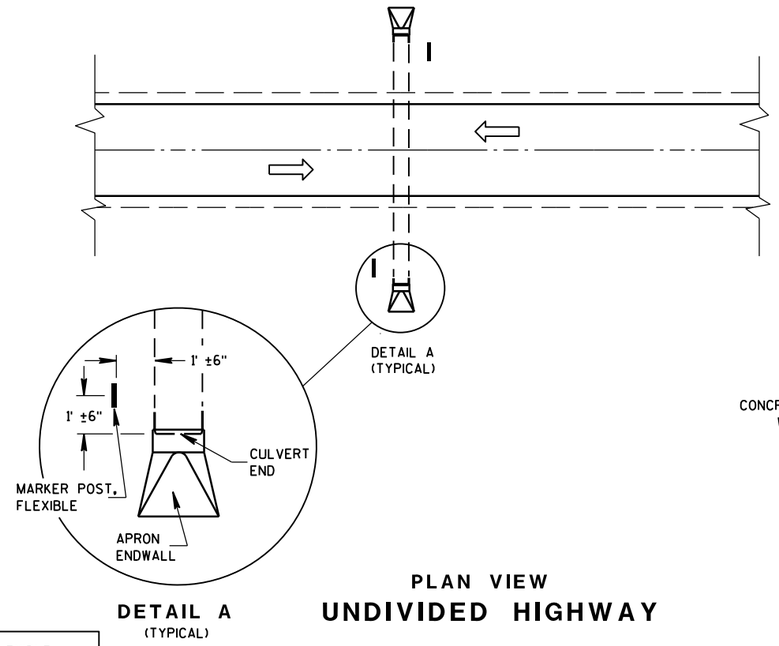
6

SDD 14B53-04i



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

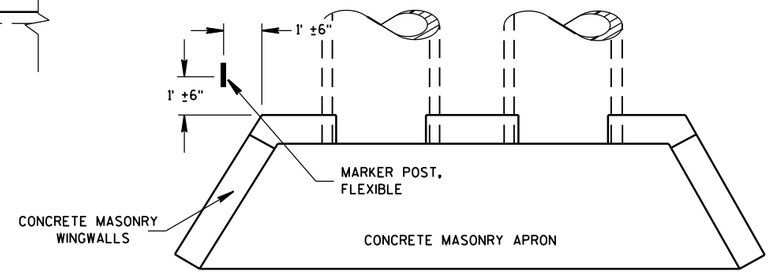
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

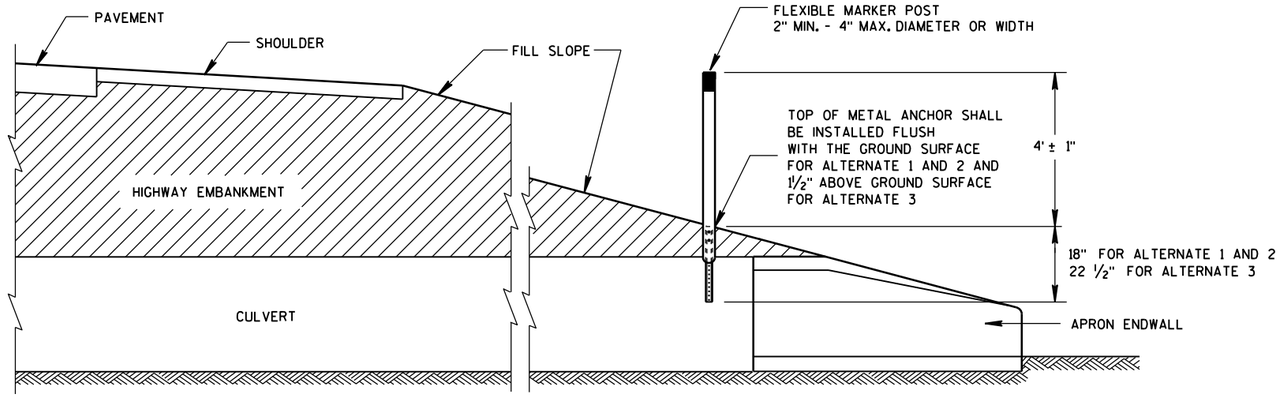
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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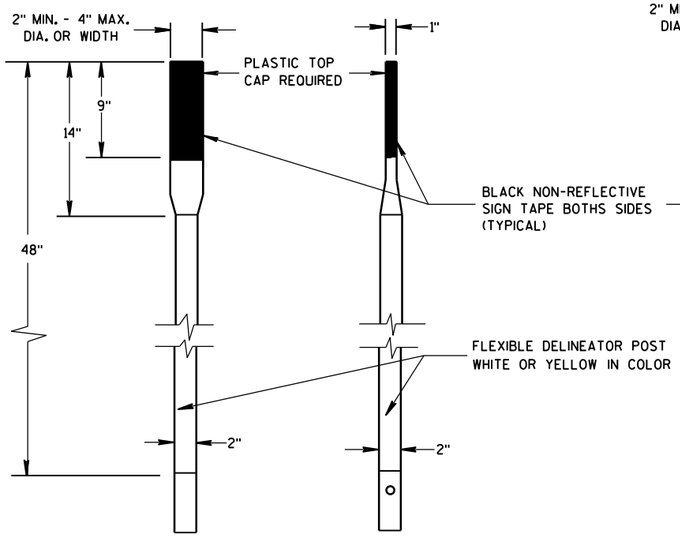
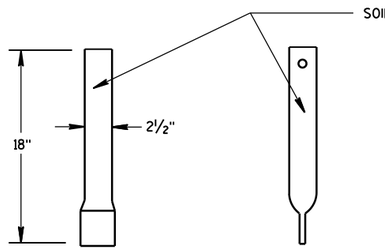
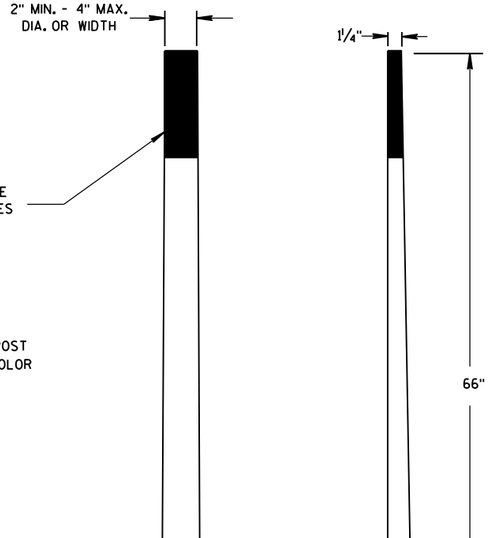
S.D.D. 15 A 3-2a





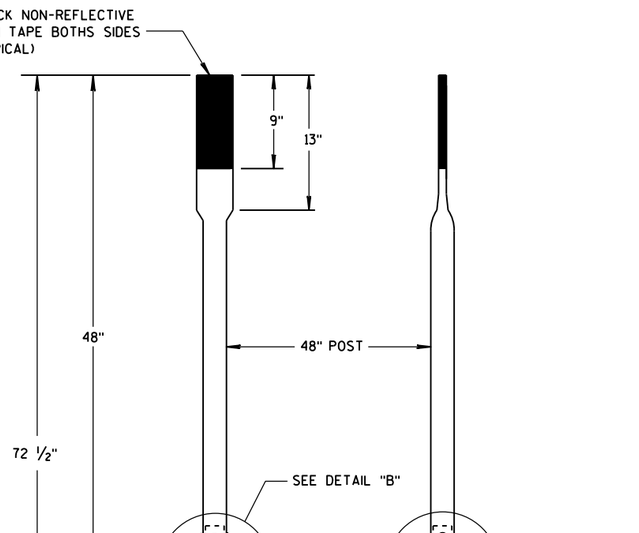
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

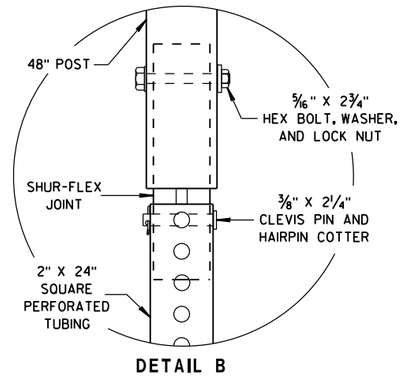
ALTERNATE 2



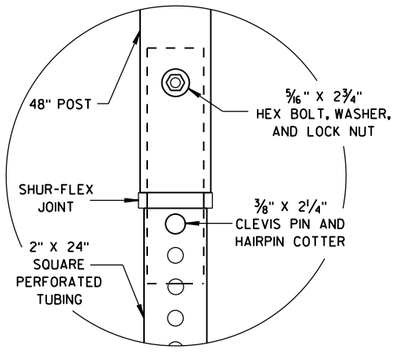
FRONT VIEW SIDE VIEW

ALTERNATE 3

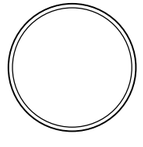
FLEXIBLE MARKER POSTS



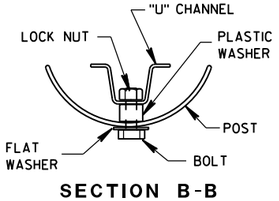
DETAIL B



DETAIL C



SECTION A-A



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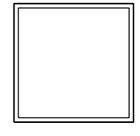

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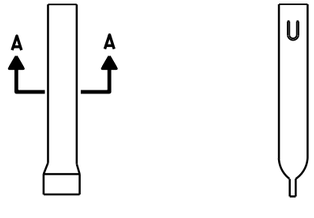
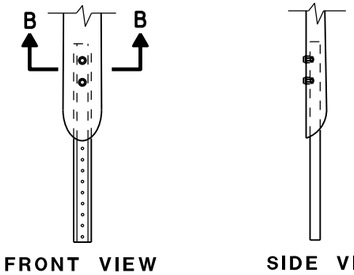


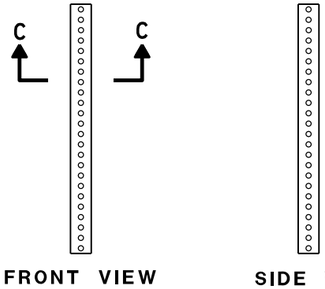
FRONT VIEW SIDE VIEW

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
FHWA	

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S.D.D. 15 A 3-2b

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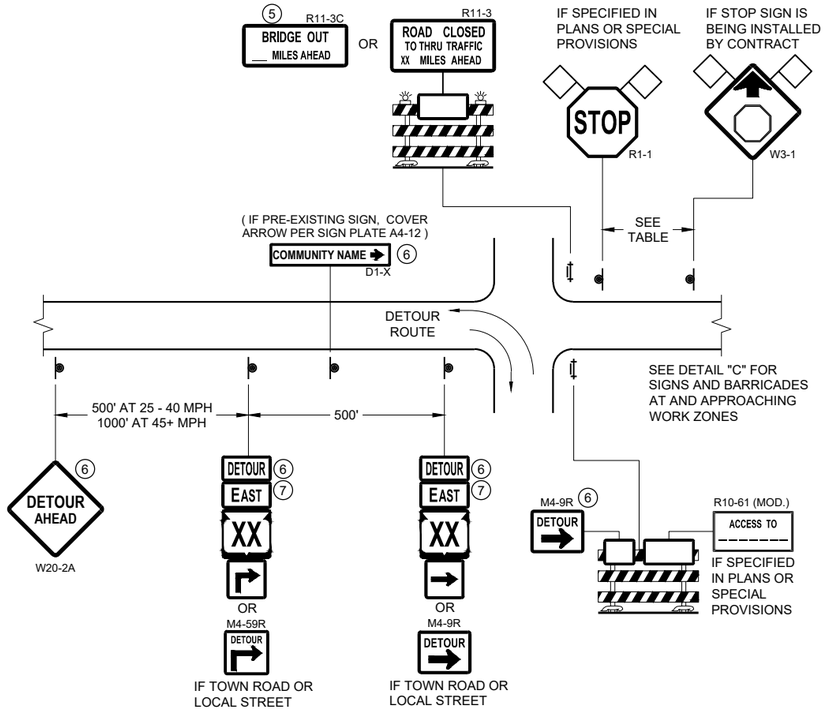
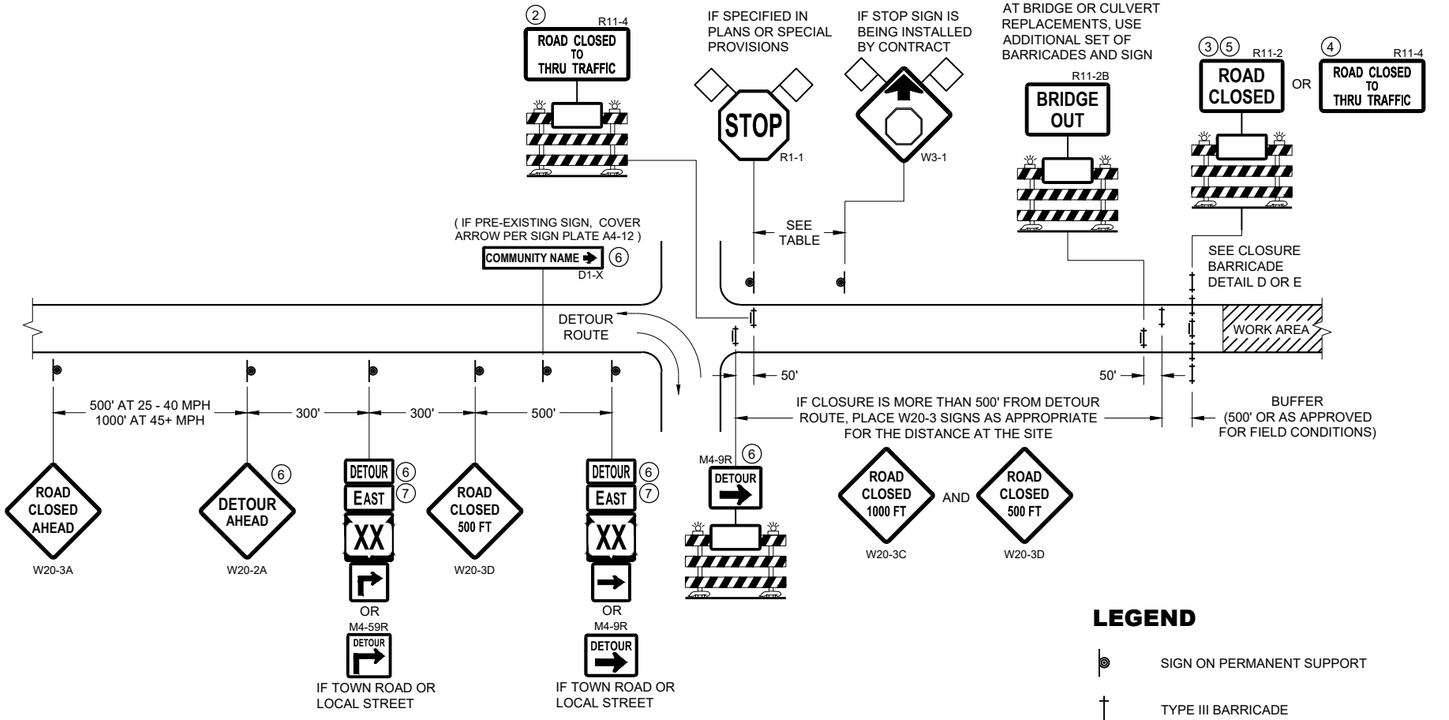
S.D.D. 15 A 3-2b



DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

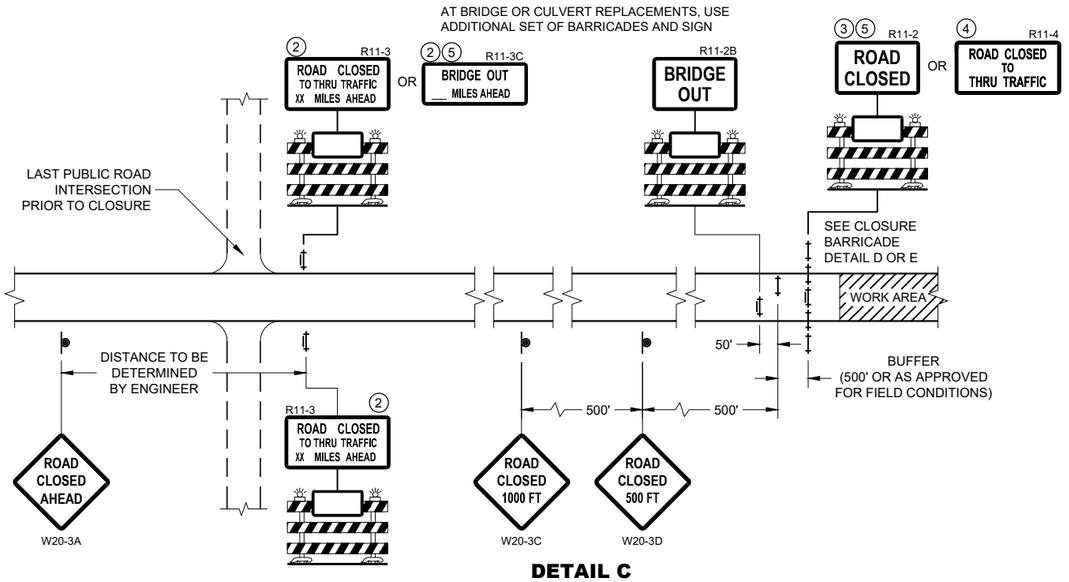


DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

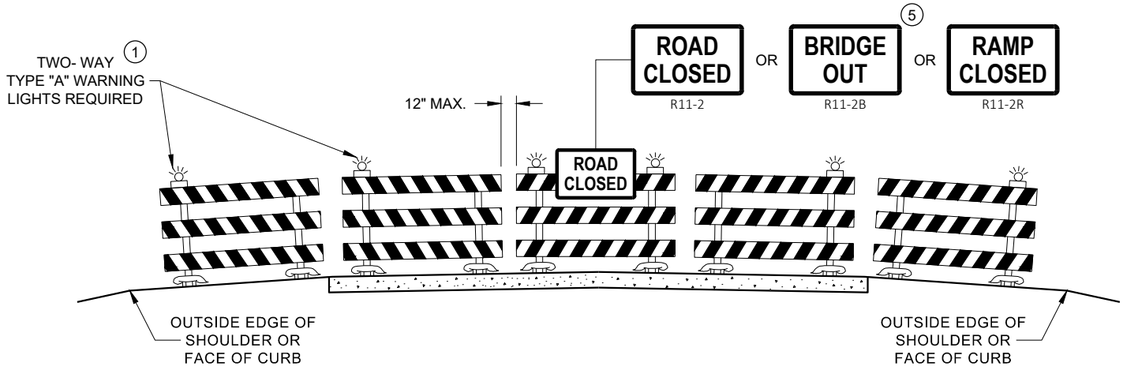
APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

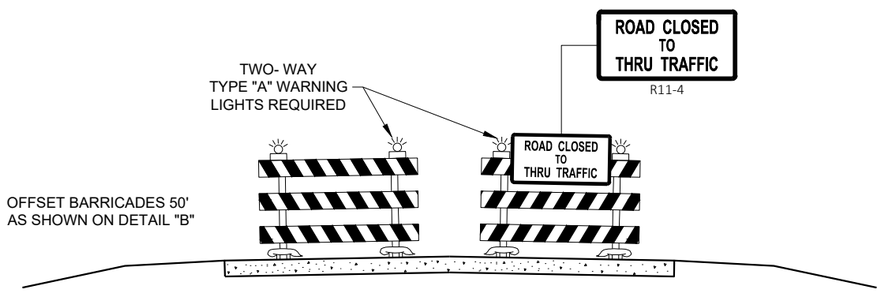
6

SDD 15C02 - 09a

SDD 15C02 - 09a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

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SDD 15C02 - 09b

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 — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1 OR M06 - 1

GENERAL NOTES

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

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

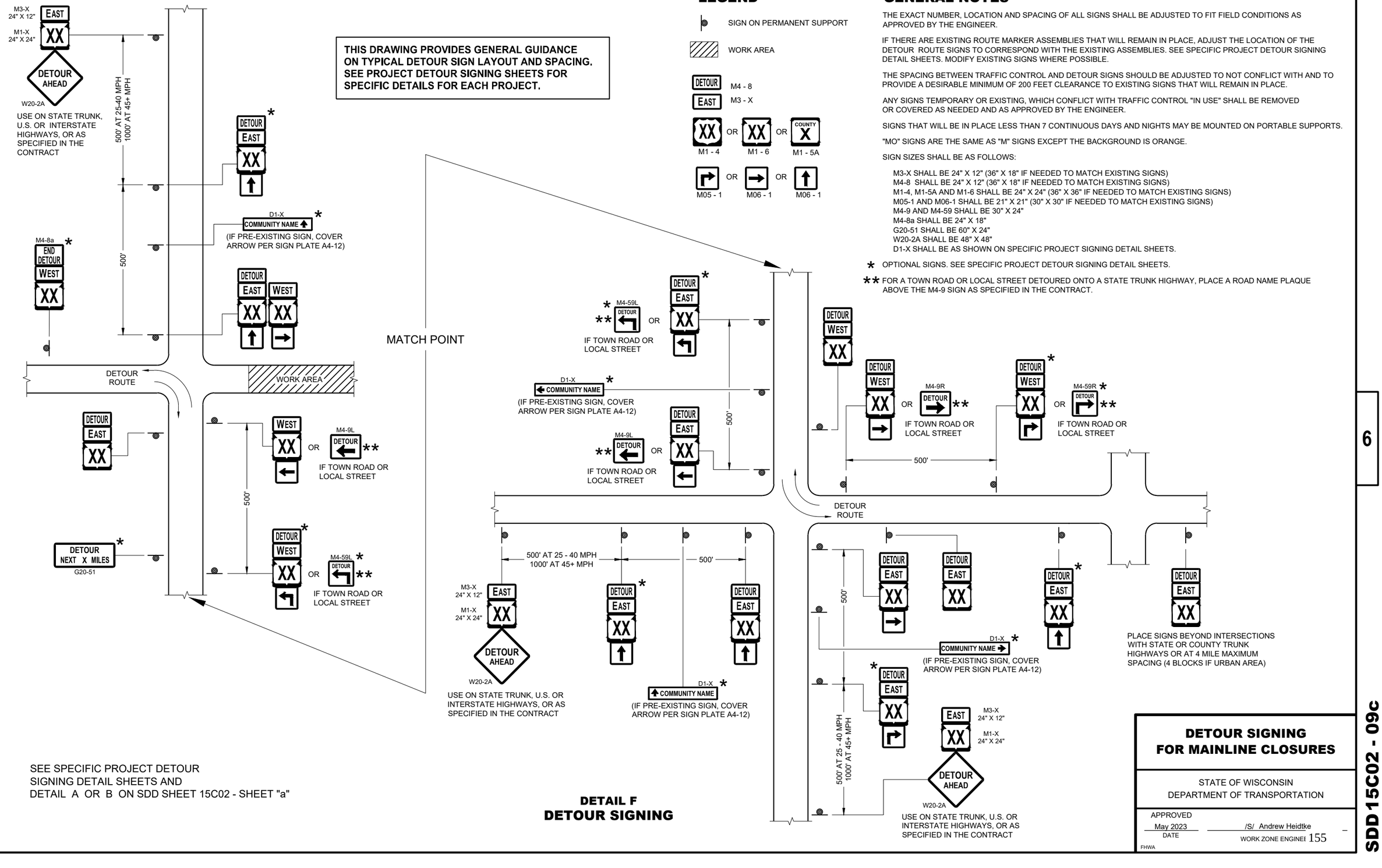
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-9 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2A SHALL BE 48" X 48"
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

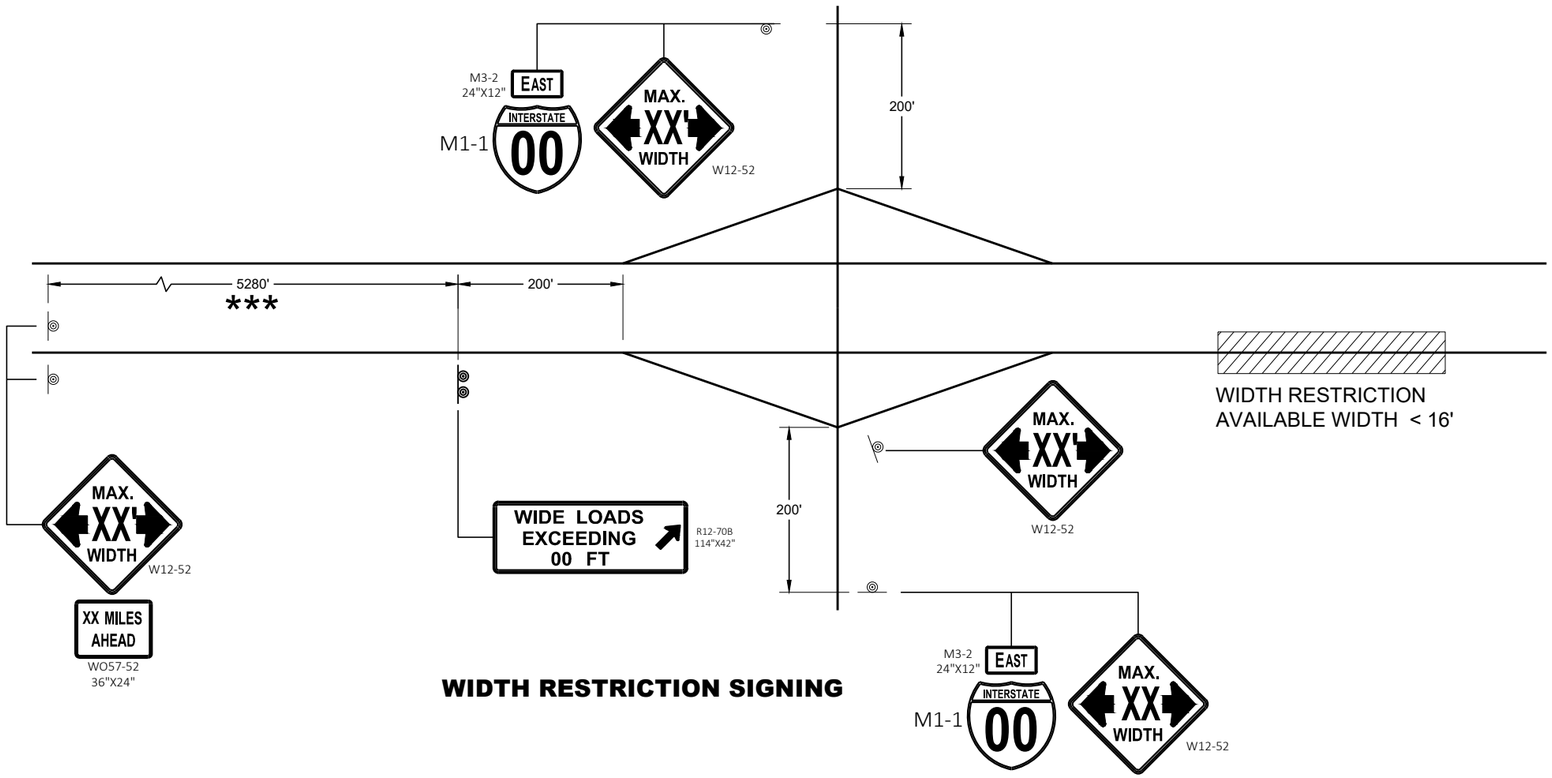
APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15C02 - 09c



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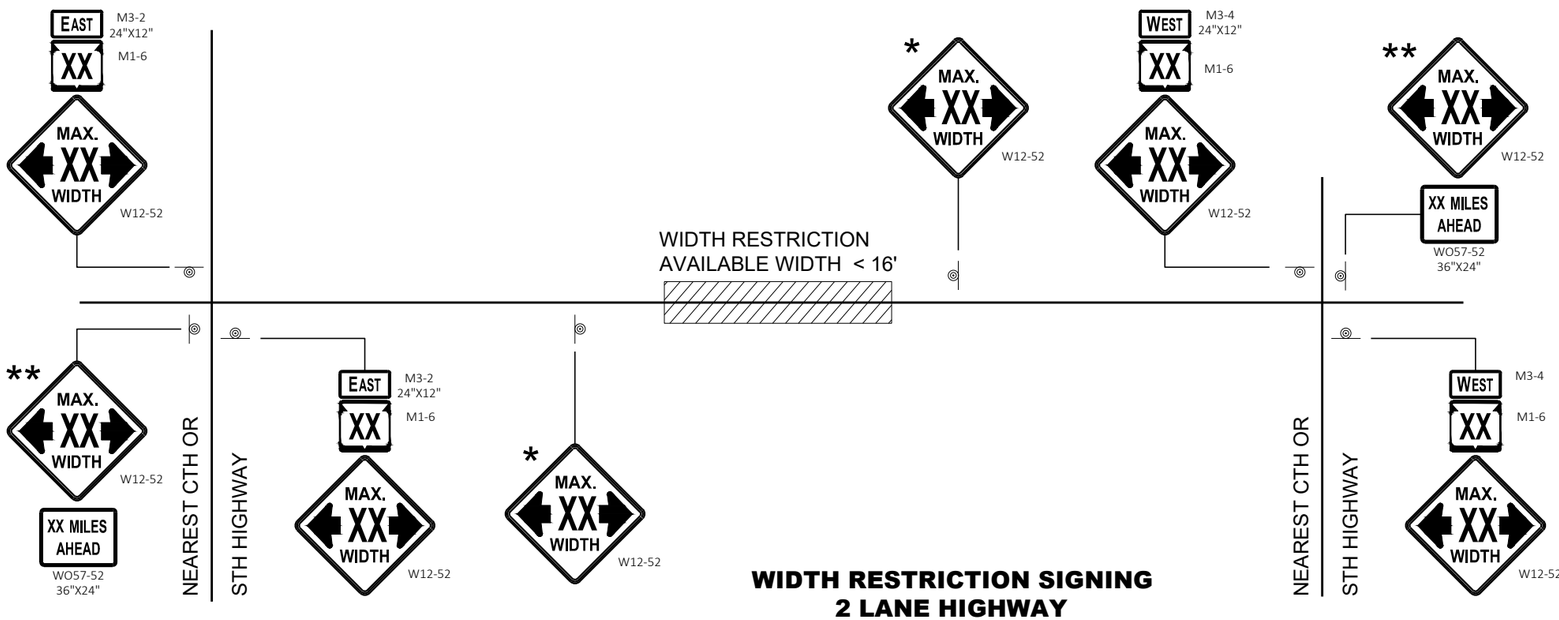

WIDTH RESTRICTION SIGNING
2 LANE HIGHWAY

LEGEND

◎ SIGN ON PERMANENT SUPPORT

GENERAL NOTES

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL " IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

WIDTH ON SIGN TO BE APPROXIMATELY ONE FOOT LESS THAN AVAILABLE WIDTH.

* PLACE 500 FEET AFTER THE W20 - 1A AND 500 FEET BEFORE ADDITIONAL SIGNS FOR ROADWAYS WITH A PRE - CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200 FOOT TYPICAL SPACING.

** SIGN SHALL BE VISIBLE FROM ROADWAY.

*** ADDITIONAL SIGNS NEEDED IF THERE IS AN ON RAMP BETWEEN SIGNS.

WIDTH ON SIGN TO BE APPROX. 1 - FOOT LESS THAN AVAILABLE WIDTH

ADVANCED WIDTH RESTRICTION SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

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SDD 15C02 - 09f

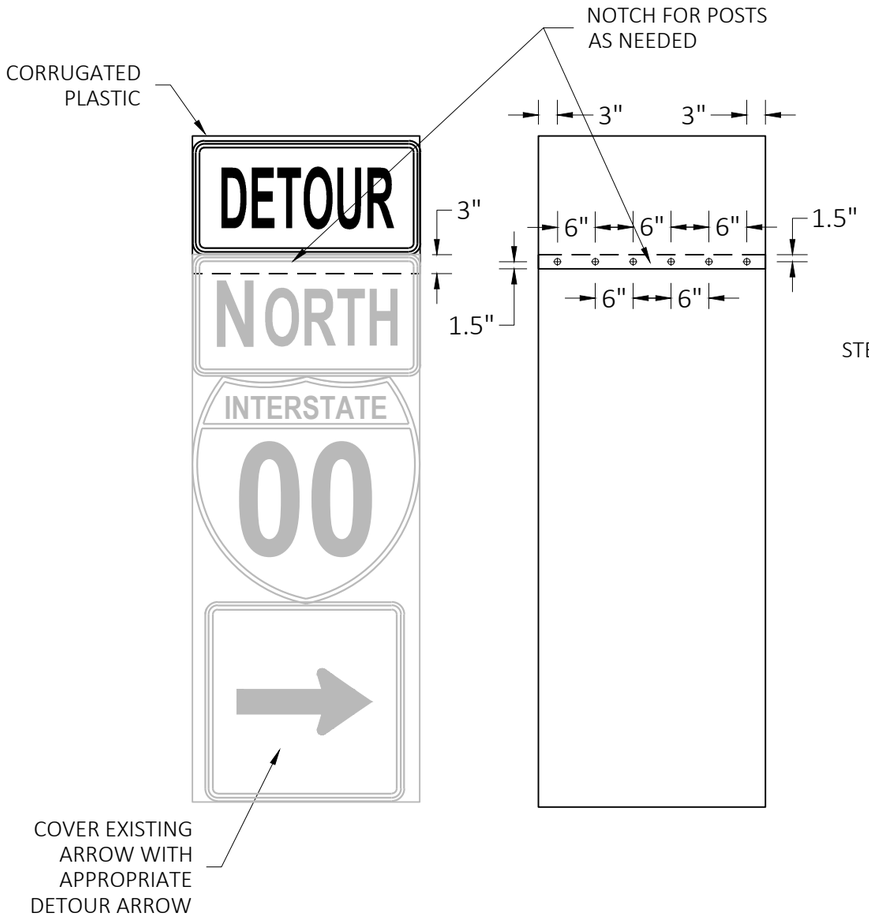
6

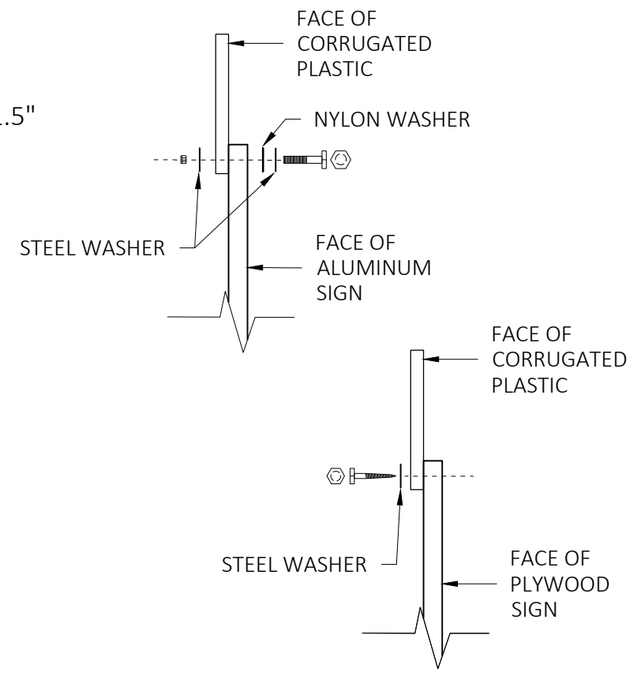
SDD 15C02 - 09f

FRONT SIDE

BACK SIDE

SIDE VIEW





GENERAL NOTES

CELLS OF CORRUGATED PLASTIC SHALL BE VERTICALLY ORIENTED.

PROVIDE A 0.4-INCH THICK BASE CORRUGATED PLASTIC WITH A 0.035-INCH WALL THICKNESS AND 0.4-INCH CELL SIZE.

FOR 36" WIDE SIGNS: USE 6 FASTENERS AS SHOWN.

FOR 24" WIDE SIGNS: USE 4 FASTENERS WITH EDGE SPACING AS SHOWN AND 6" SPACING BETWEEN FASTENERS.

METAL WASHERS, NUTS, BOLTS AND LAGS 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, SC3

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.

PLYWOOD SIGNS:
LAG SCREWS - 5/16" x 1"
ALUMINUM SIGNS:
MACHINE BOLTS - 5/16" x 1-1/4" LENGTH W/NUTS
WASHERS:
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

6

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MODIFIED ROUTE ASSEMBLY FOR DETOUR SIGNING

MODIFIED ROUTE ASSEMBLY FOR DETOUR SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

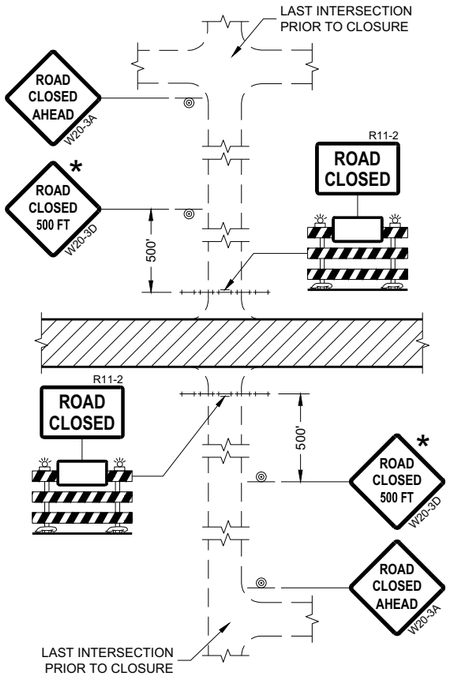
APPROVED
May 2023
DATE

/S/ Andrew Heidtke
ROADWAY STANDARDS DEVEL ENGINEER

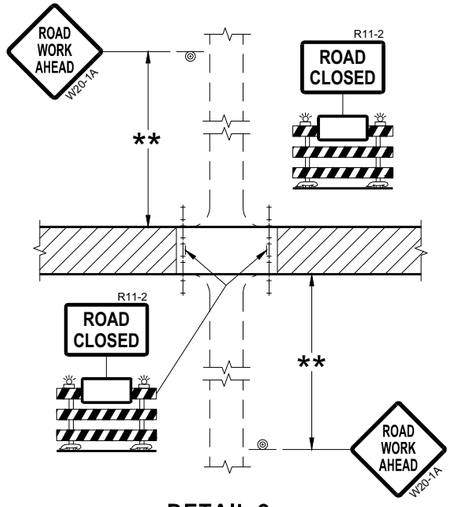
FHWA

SDD 15C02-09h

SDD 15C02-09h



DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

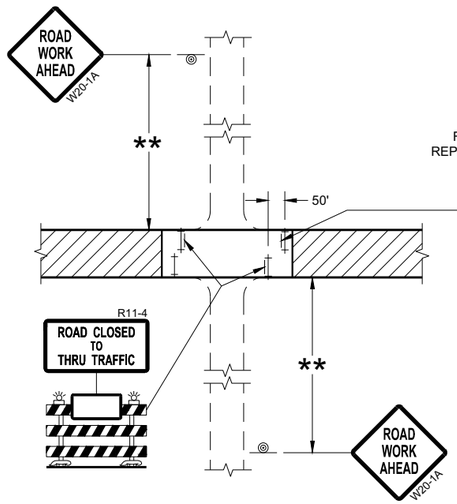
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

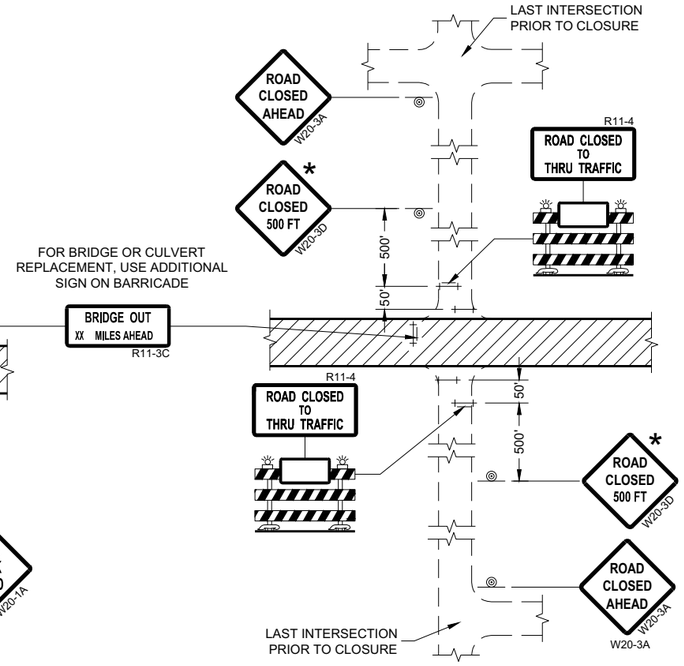
ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15C03 - 05

SDD 15C03 - 05

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

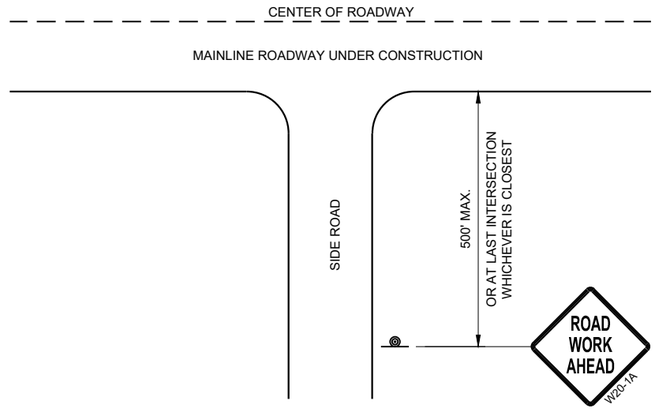
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

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

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS

** PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



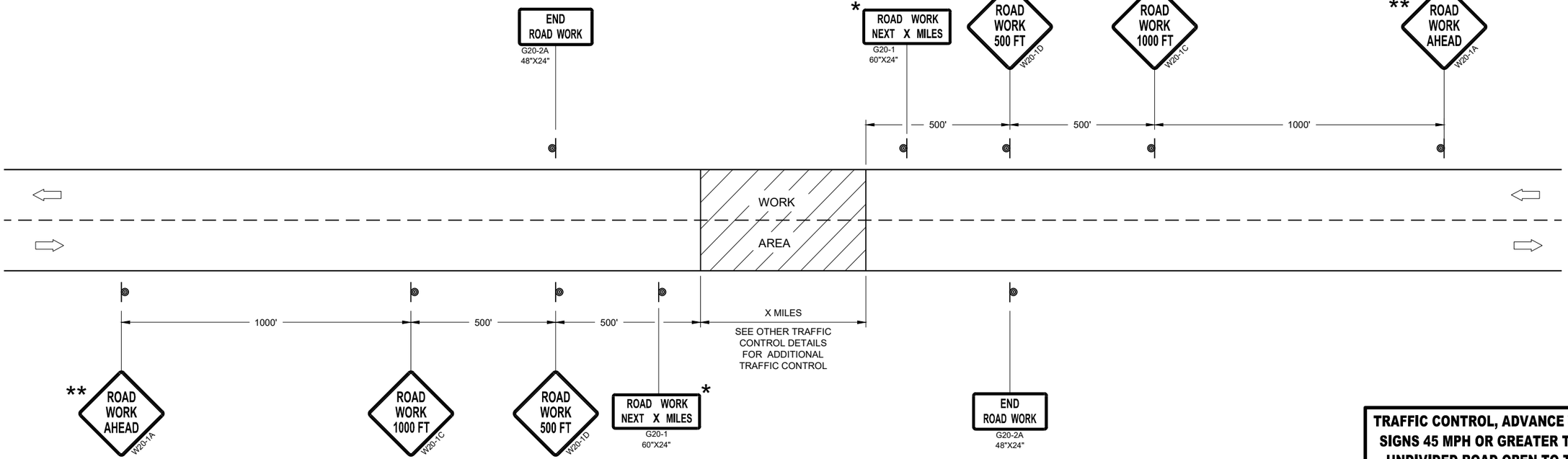
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15C04 - 05

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING

(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

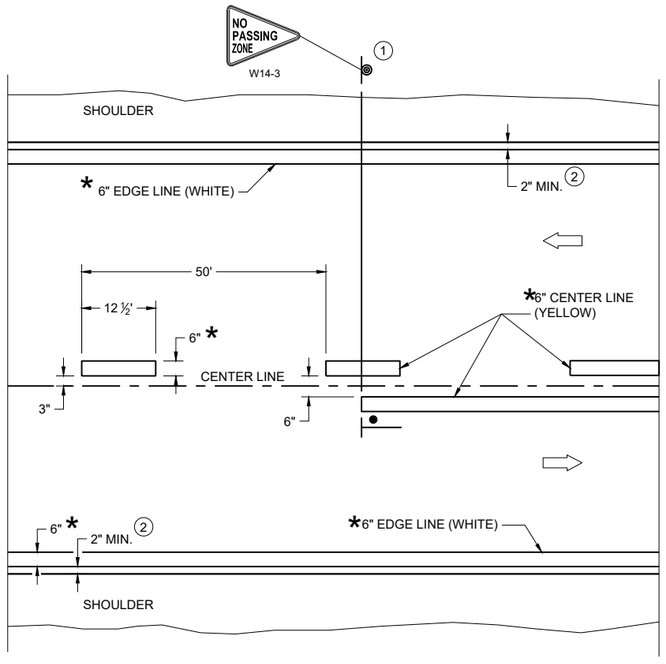
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

LEGEND

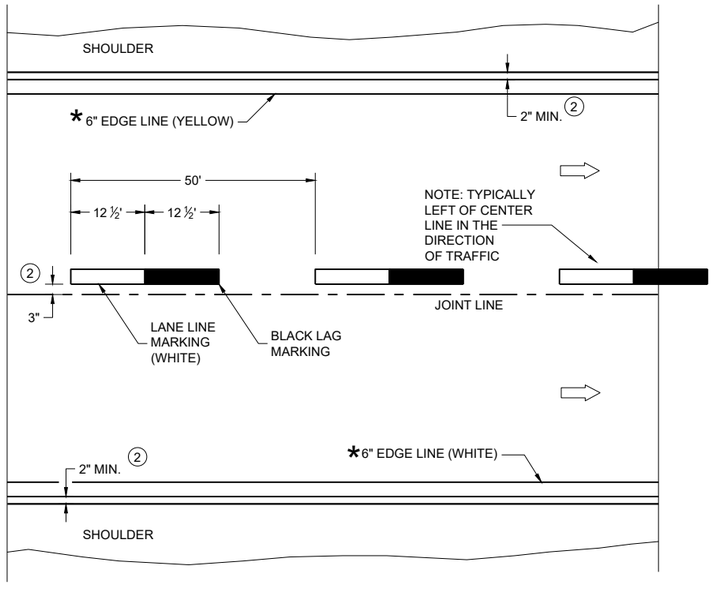
"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

6

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

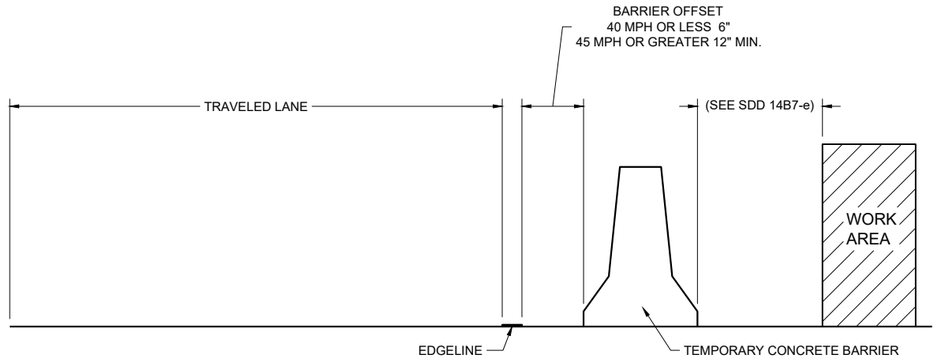
APPROVED
December 2024
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

SDD 15C08-24a

SDD 15C08-24a



TEMPORARY BARRIER OFFSET FROM EDGELINE

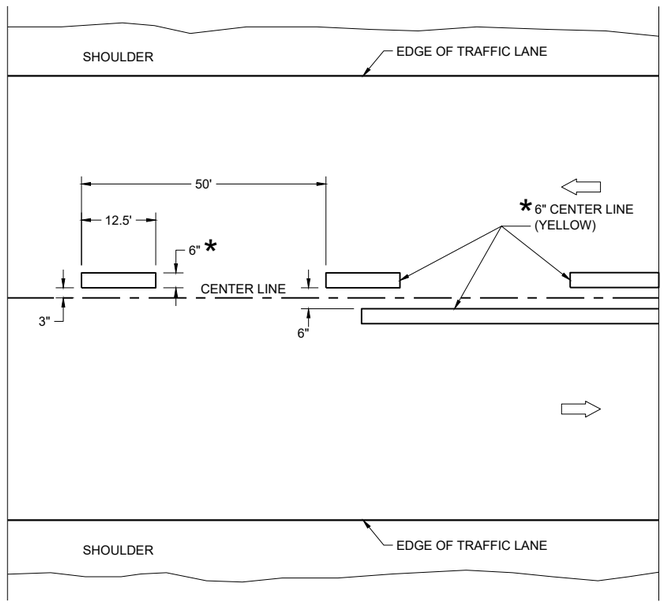
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

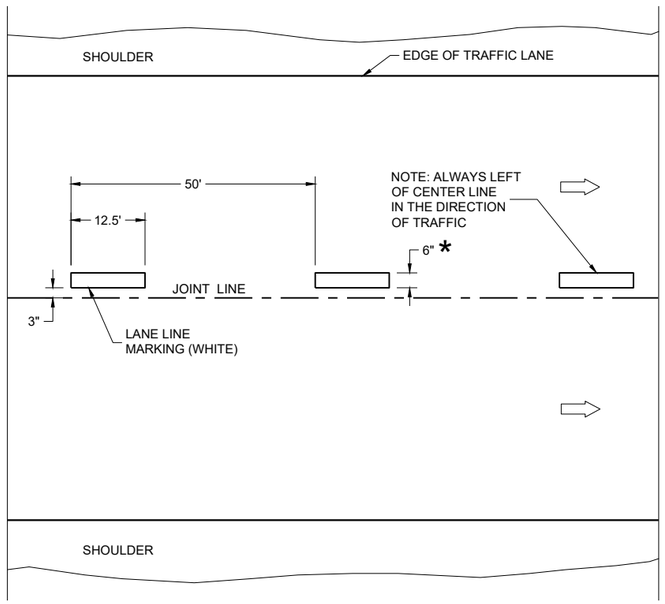
LEGEND

⇨ DIRECTION OF TRAFFIC

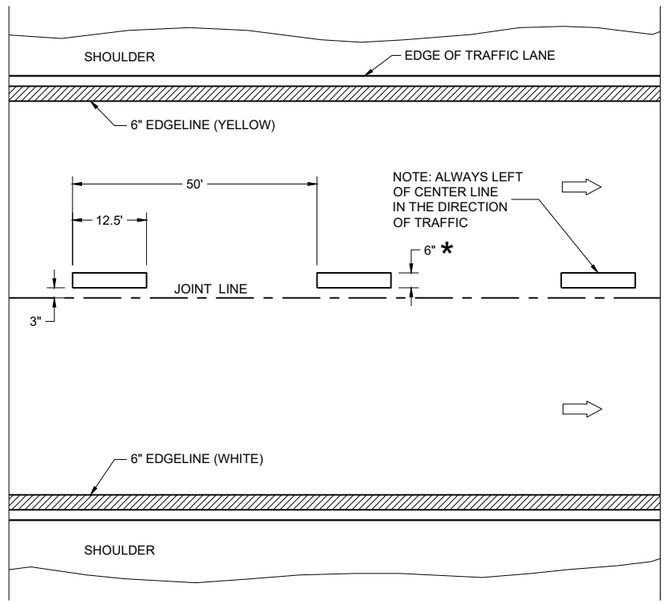
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY TRAFFIC



ONE WAY TRAFFIC



FREEWAYS AND EXPRESSWAYS

TEMPORARY PAVEMENT MARKING

TEMPORARY LONGITUDINAL PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2024
DATE
/S/ Jeannie Silver
Statewide Pavement Marking Engineer
FHWA

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SDD 15C08-24b

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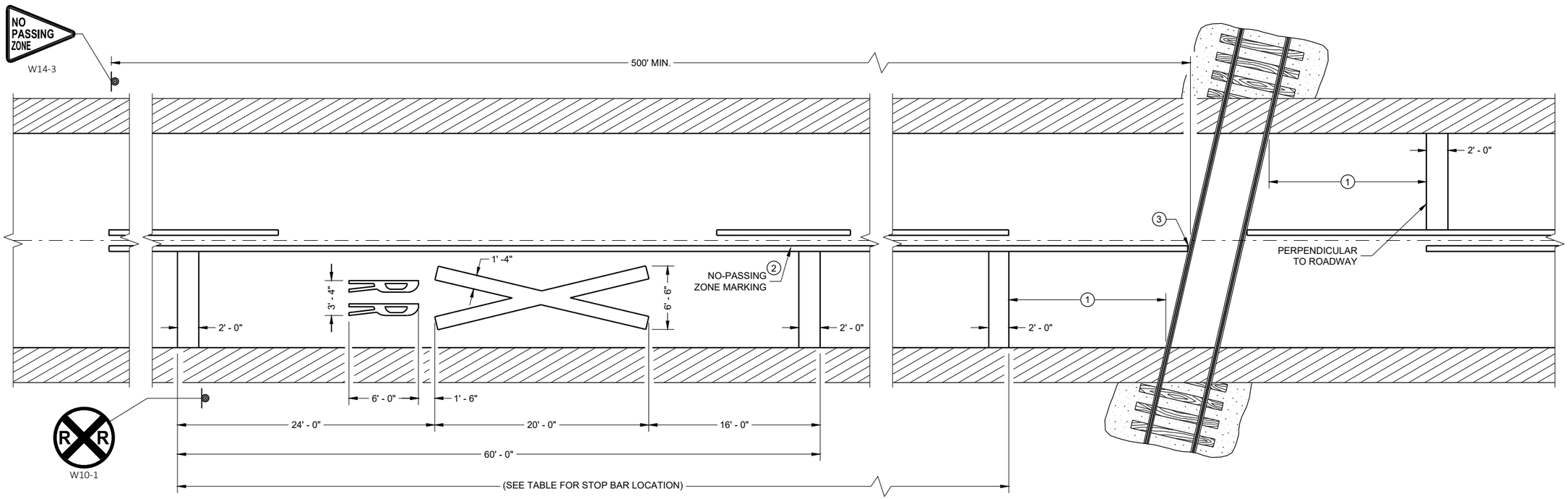
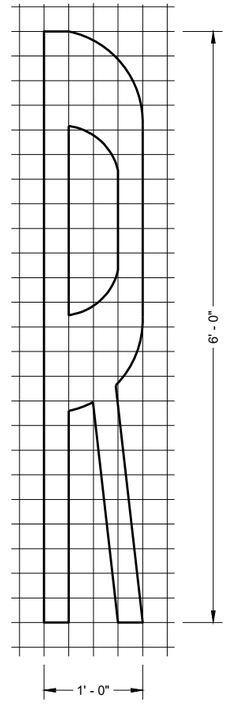
SDD 15C08-24b



PAVEMENT MARKING



LEGEND

SIGN ON PERMANENT SUPPORT

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.

ON MULTI-LANE ROADS THE TRANSVERSE BANDS SHOULD EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL R X R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE.

CENTER OR LANE LINES AND NO-PASSING ZONE MARKINGS SHOWN ON THIS DRAWING ARE REQUIRED AND PAID FOR UNDER OTHER ITEMS IN THE CONTRACT.

TRACE EXISTING SYMBOL WHERE EXISTING SYMBOLS ARE PLACED.

(1) PLACE STOP BAR APPROXIMATELY 8 FEET IN ADVANCE OF THE GATE (IF PRESENT), BUT NO CLOSER THAN 15 FEET IN ADVANCE OF THE NEAREST RAIL. FIELD-FIT STOP BAR TO MAXIMIZE VIEW OF APPROACHING TRAIN.

(2) 500' MINIMUM. MARKING LIMITS MAY BE EXTENDED AS DIRECTED BY THE ENGINEER TO MEET ADJACENT NO-PASSING ZONE MARKINGS.

(3) FOR MULTIPLE TRACK CROSSINGS, THE BARRIER LINE SHALL EXTEND TO THE NEAR RAIL OF THE FURTHEST TRACK IN THE DIRECTION OF HIGHWAY TRAVEL.

DISTANCE TABLE

TABLE BASED UPON 2C-4 WISCONSIN SUPPLEMENT OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

POSTED SPEED (M.P.H.)	DIMENSION RANGE (FEET)
25	150* - 250'
30	200* - 300'
35	250* - 450'
40	300* - 500'
45	400* - 650'
50	550* - 800'
55	750* - 1000'
60	1000* - 1250'
65	1000* - 1250'

* THE MINIMUM DISTANCES IN THE TABLE ARE DESIRABLE AND SHOULD BE USED. THE DISTANCES MAY BE INCREASED UP TO THE MAXIMUM TO ALLOW FOR FIELD CONDITIONS SUCH AS THE CLOSED PROXIMITY OF DRIVEWAYS, BRIDGES, SIDE ROADS OR OTHER FEATURES THAT WOULD PROHIBIT THE MINIMUM DISTANCES FROM BEING USED.

SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD - HIGHWAY GRADE CROSSINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

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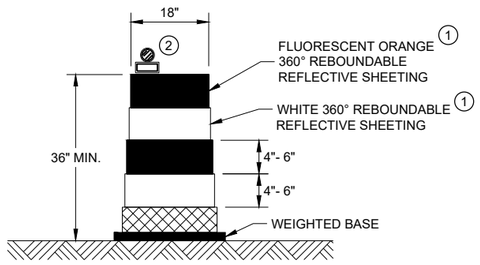
SDD 15C09-13a

SDD 15C09-13a

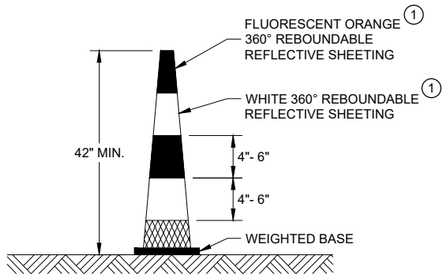
GENERAL NOTES

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

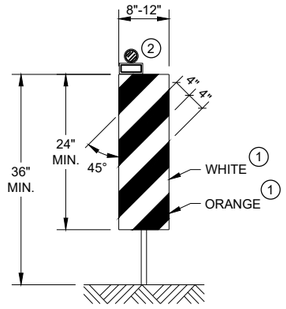
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

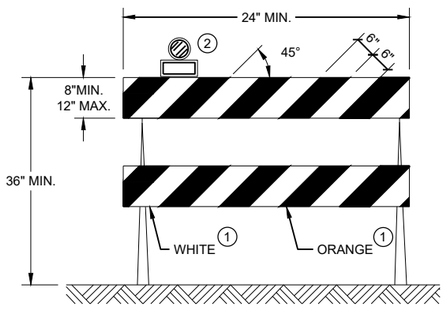
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



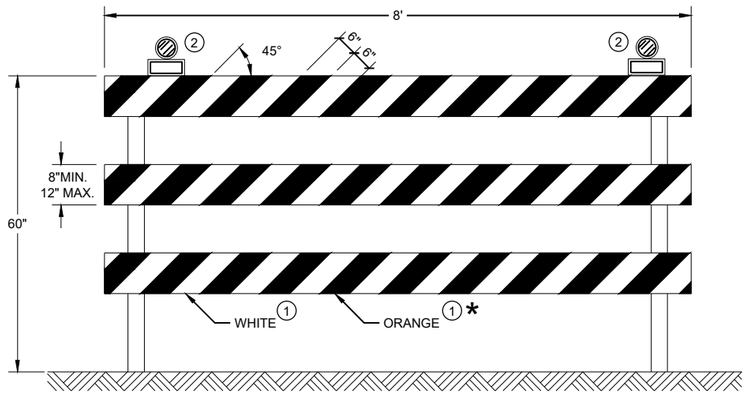
VERTICAL PANEL

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

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

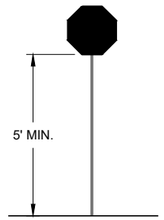
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.



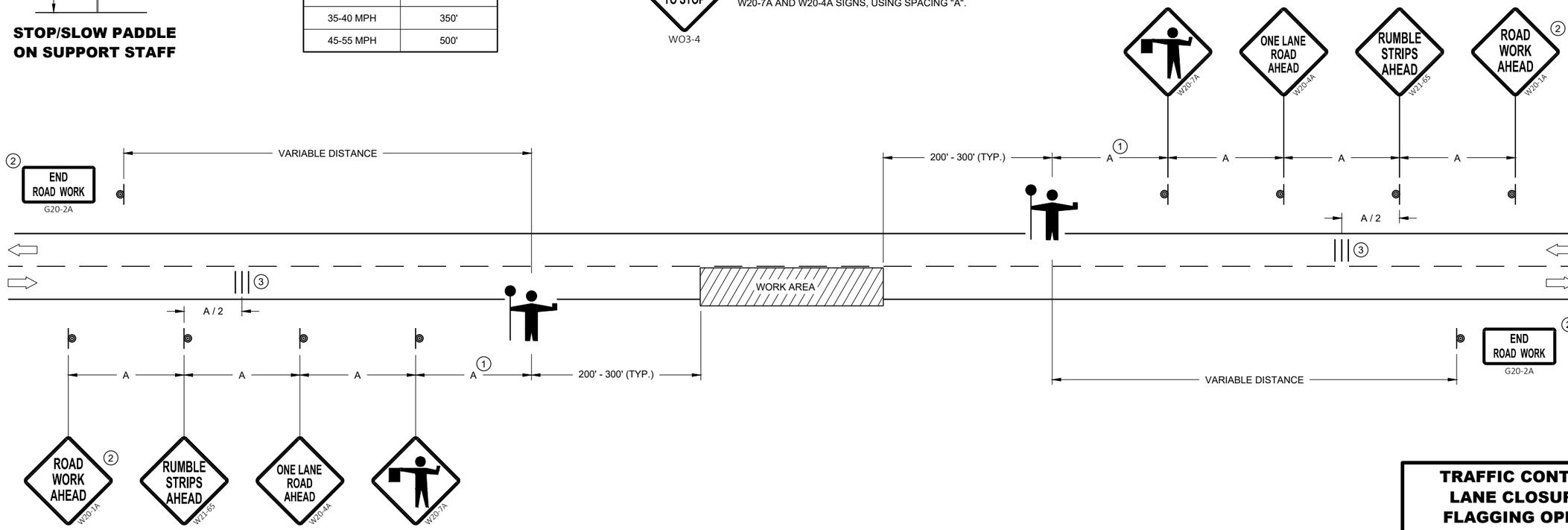
STOP/SLOW PADDLE ON SUPPORT STAFF

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'

WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C12 - 09a

6

SDD 15C12 - 09a

GENERAL NOTES

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL CONE 42-INCH

TRAFFIC CONTROL DRUM

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

AFAD — AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD)

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

IF THE AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD) STOPS WORKING, FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

(1) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

(2) IF FLAGGERS ARE PHYSICALLY NEEDED TO FLAG, REPLACE WO3-4 SIGNS WITH W20-7A SIGNS.

TEMPORARY PORTABLE RUMBLE STRIPS

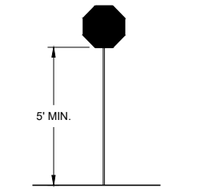
UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.

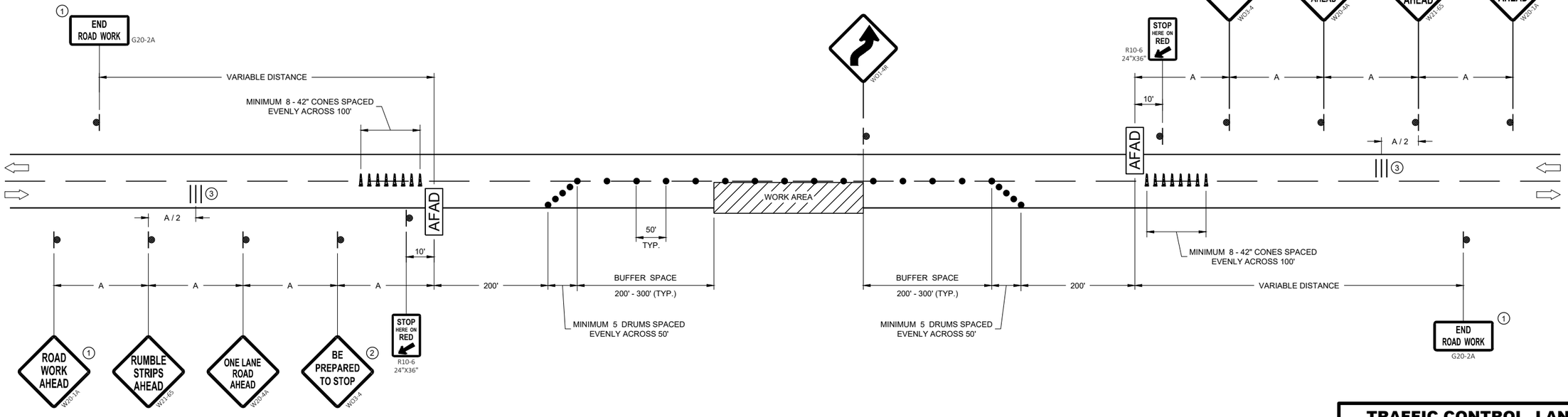
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSELY AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER.



STOP/SLOW PADDLE ON SUPPORT STAFF

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

6

SDD 15C12 - 09b

6

SDD 15C12 - 09b

LEGEND

V1 LEAD VEHICLE

V2 MARKING VEHICLE

V3 SHADOW VEHICLE

TRUCK MOUNTED ATTENUATOR (TMA)

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL OPERATING IN CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH

WORKERS SHALL NOT PERFORM WORK FROM ANY SHADOW OR PROTECTION VEHICLES.

UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

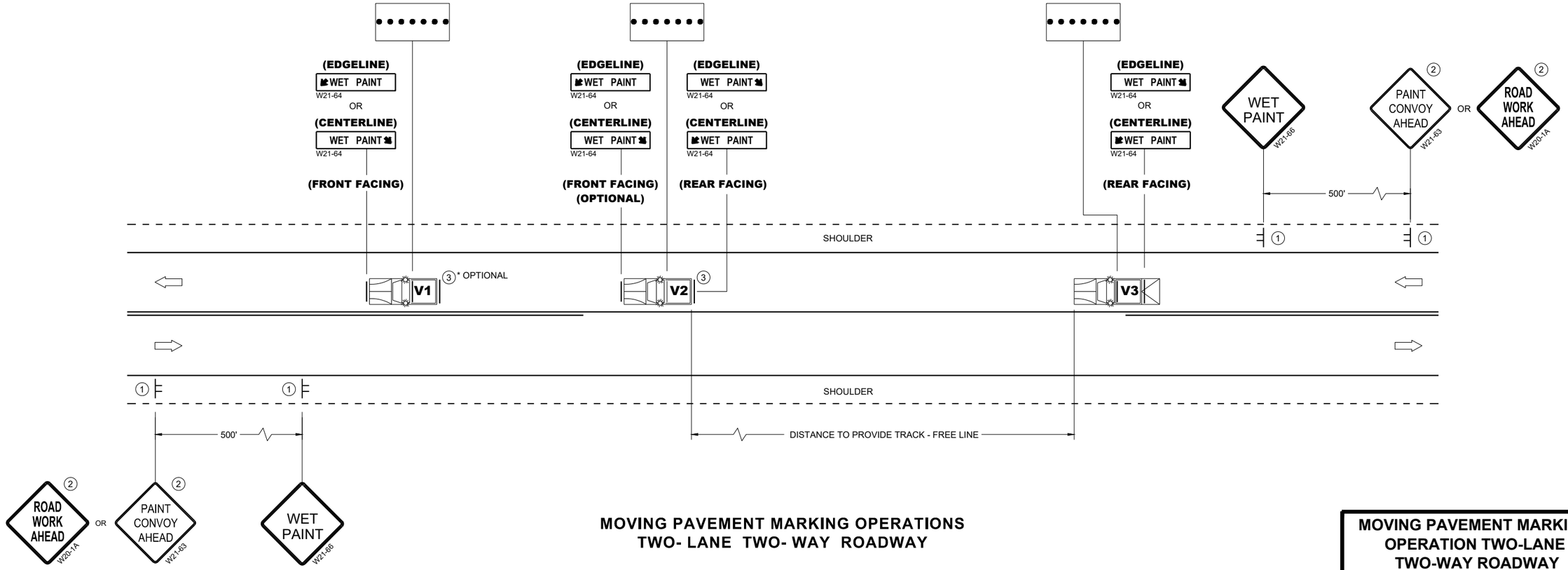
CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL BE A MINIMUM OF 28" FOR WET PAVEMENT MARKING .

(1) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES AND AFTER EVERY MAJOR INTERSECTION.

(2) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.

(3) V1 AND V2 CAN BE SWITCHED SO THAT THE MARKER IS THE LEAD VEHICLE.



MOVING PAVEMENT MARKING OPERATIONS TWO- LANE TWO- WAY ROADWAY

MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Andrew Heidtke — STATE ELECTRICAL ENGINEER

FHWA

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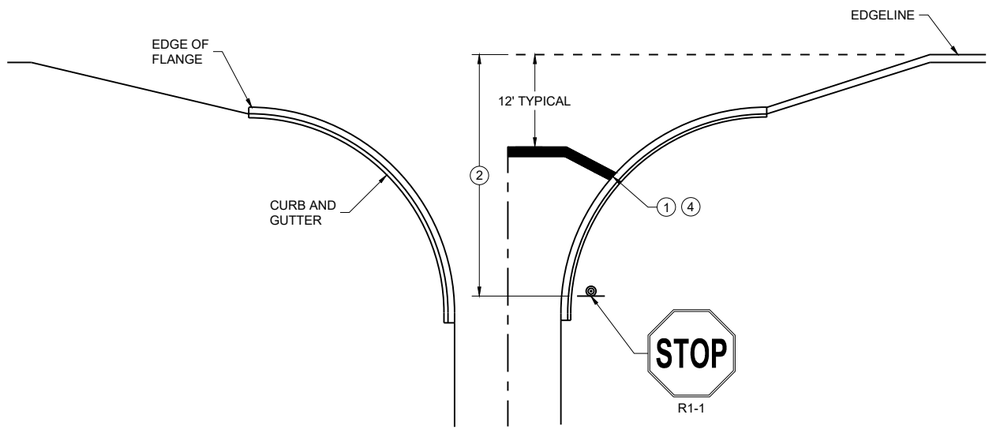
SDD 15C19-11a

SDD 15C19-11a

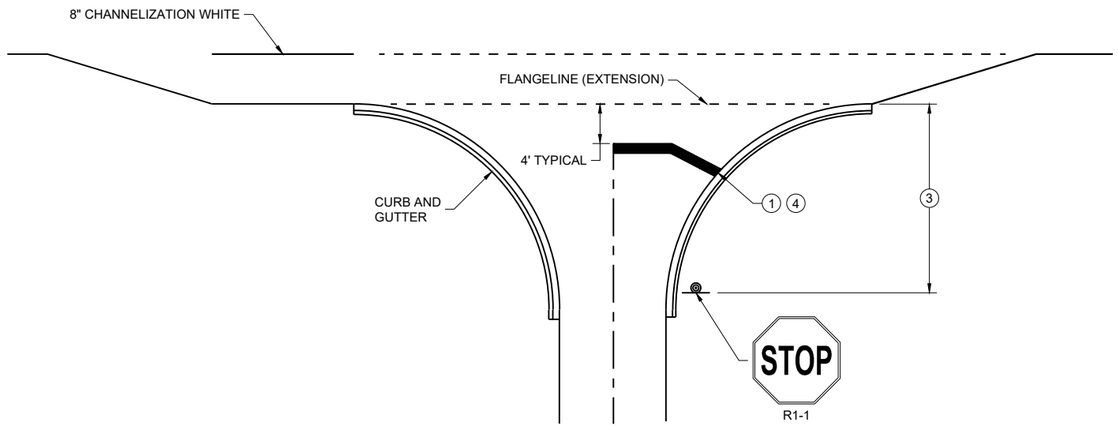
GENERAL NOTES

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

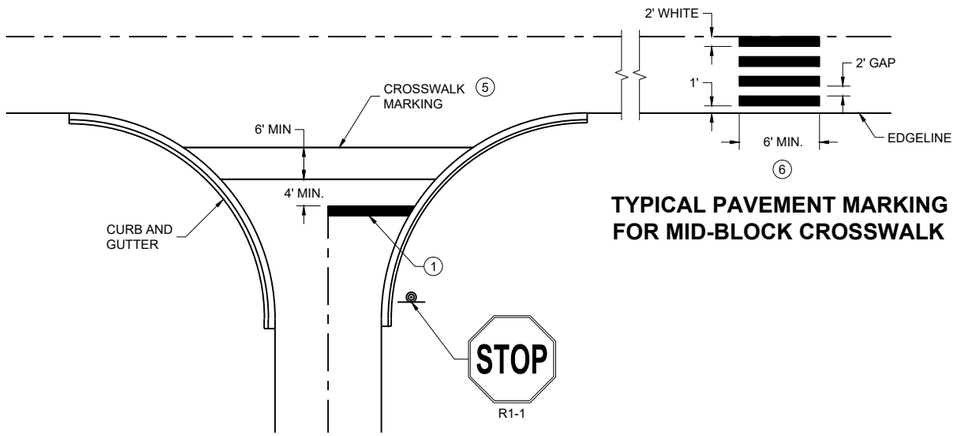
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGE LINE 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

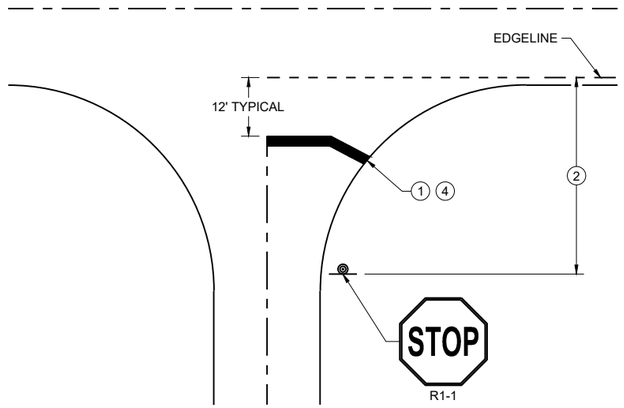


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH RIGHT TURN LANE



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

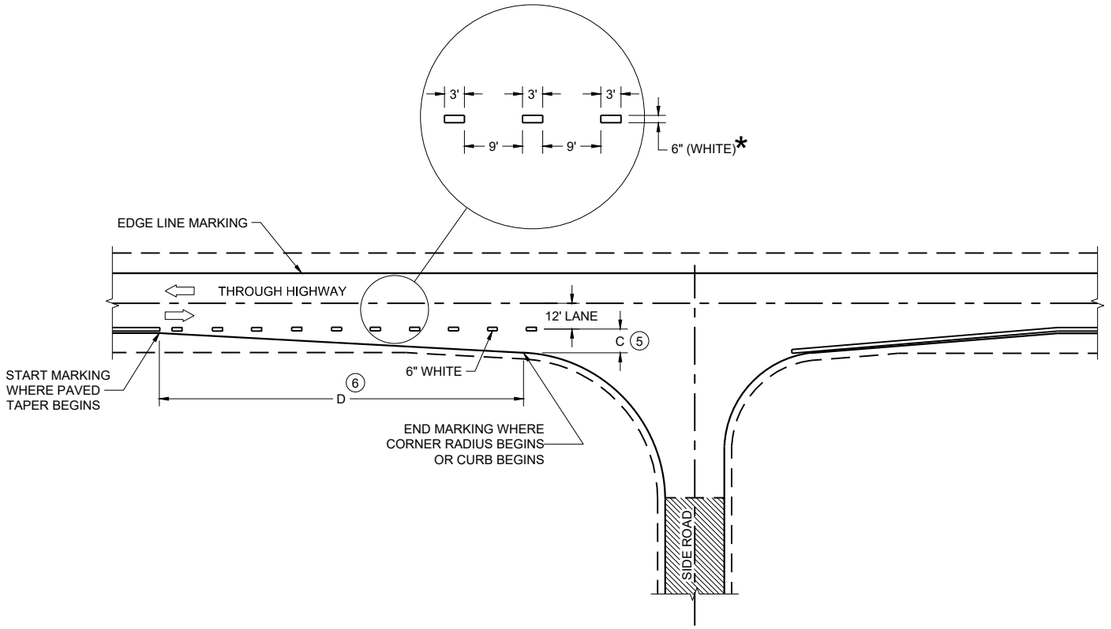
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

March 2024 — DATE

/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA



MINOR INTERSECTION

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

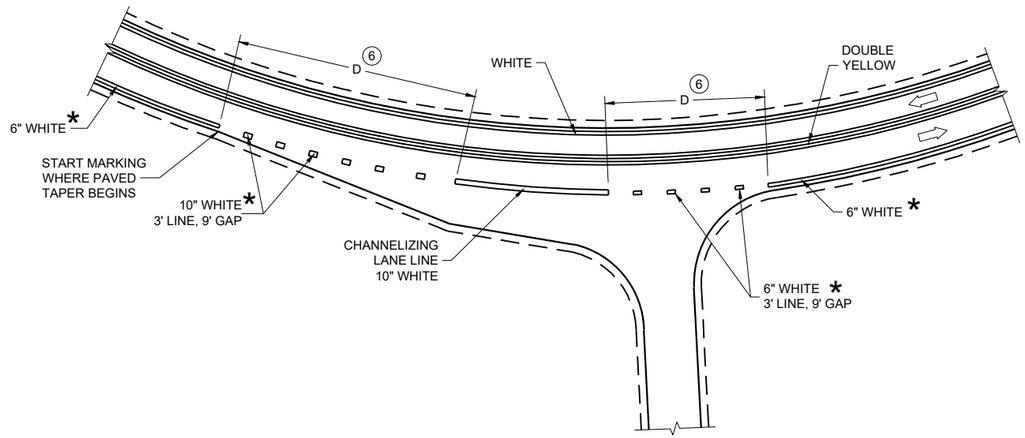
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

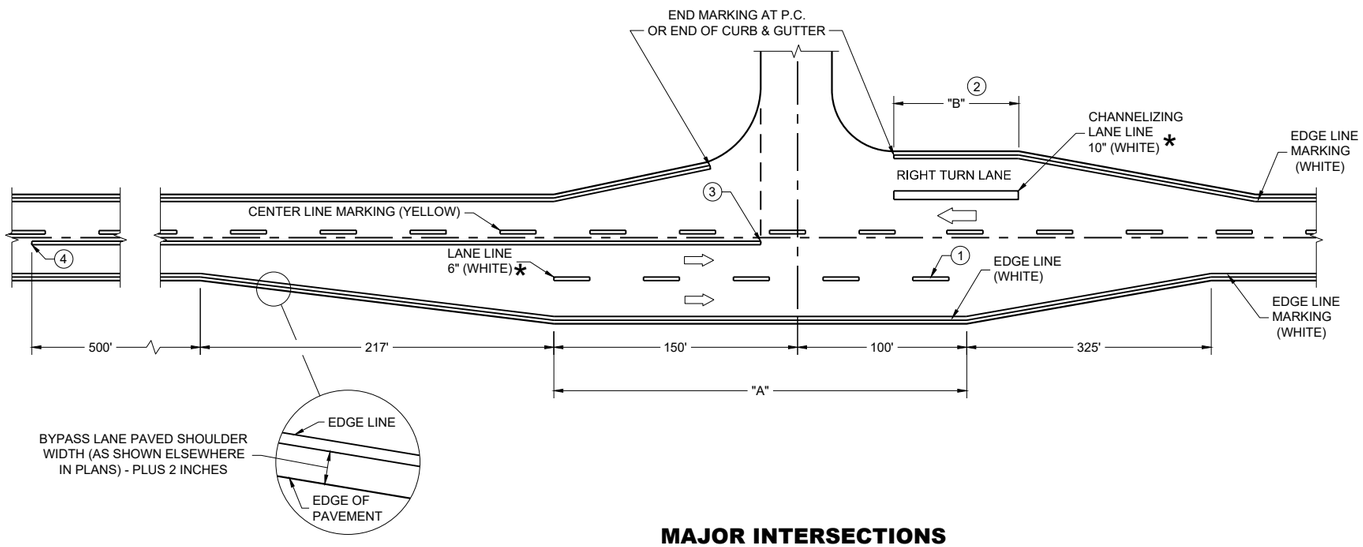
1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
5. WHEN DISTANCE "C" IS LESS THAN 4 FEET, OMIT DOTTED EXTENSION.
6. WHEN DISTANCE "D" IS LESS THAN 50 FEET, OMIT DOTTED EXTENSION.

LEGEND

DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE

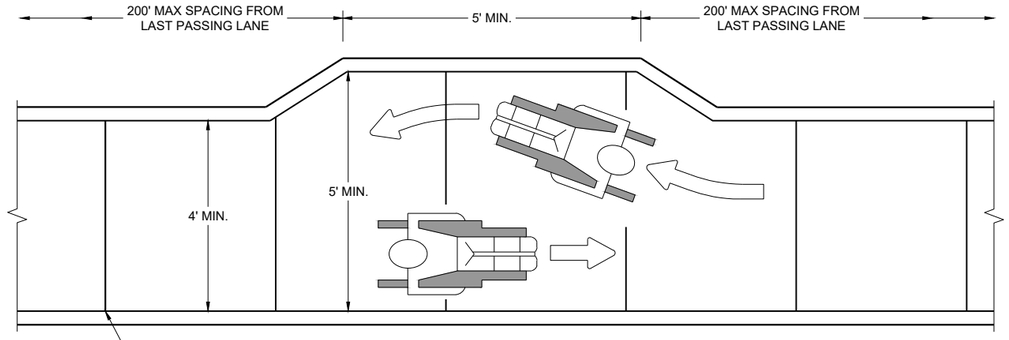


MAJOR INTERSECTIONS

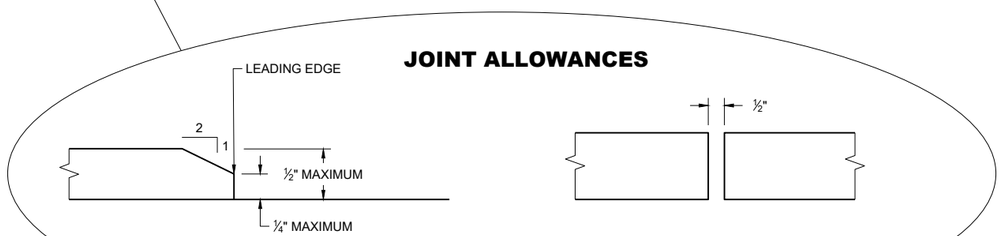
(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



NARROW SIDEWALK PASSING DETAIL



MAXIMUM VERTICAL GAP

MAXIMUM HORIZONTAL GAP

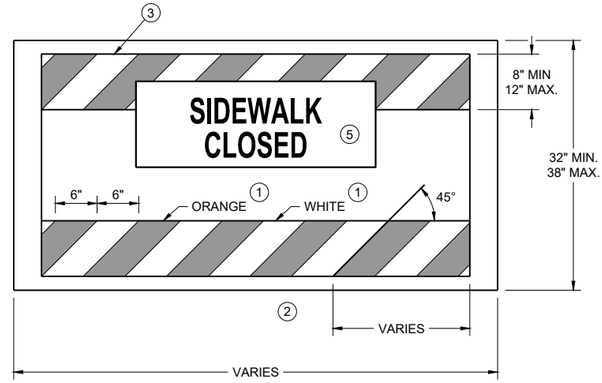
GENERAL NOTES

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

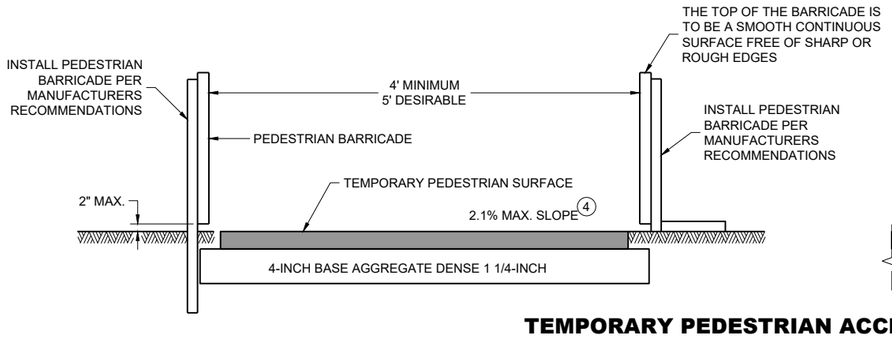
1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.
3. PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

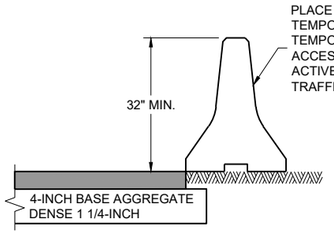
4. WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.
5. WHERE SIGNS FOR TEMPORARY PEDESTRIAN ACCOMMODATIONS ARE SHOWN BEING PLACED BEHIND TEMPORARY PEDESTRIAN BARRICADE, THE SIGNS MAY BE MOUNTED ON THE TEMPORARY PEDESTRIAN BARRICADE INSTEAD. A CORRUGATED POLYPROPYLENE OR POLYETHYLENE PLASTIC SIGN BASE SHALL BE USED IF MOUNTED ON THE BARRICADE. THE TOP OF THE SIGN SHALL BE MOUNTED BELOW THE TOP OF THE BARRICADE TO ALLOW A CONTINUOUS HAND-TRAILING EDGE.



TEMPORARY PEDESTRIAN BARRICADE *



TEMPORARY PEDESTRIAN ACCESS



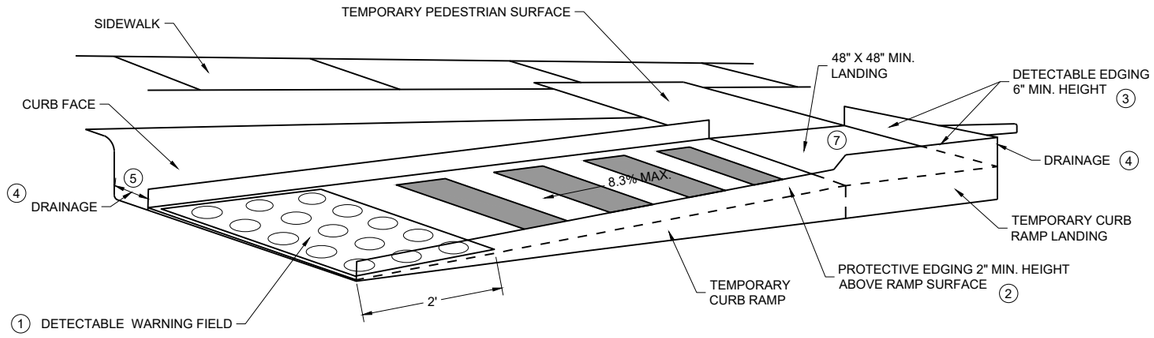
TEMPORARY PEDESTRIAN FLAGGING

LEGEND

- TEMPORARY PEDESTRIAN BARRICADE
- AUDIBLE MESSAGE DEVICE
- TEMPORARY SIGN SUPPORT
- WORK AREA

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



PERSPECTIVE VIEW

GENERAL NOTES

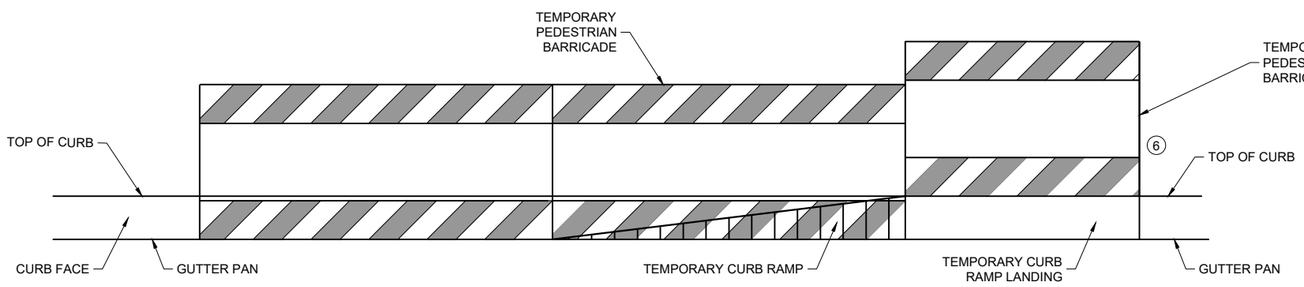
CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:48 (2.1%) MAX. CROSS-SLOPE.

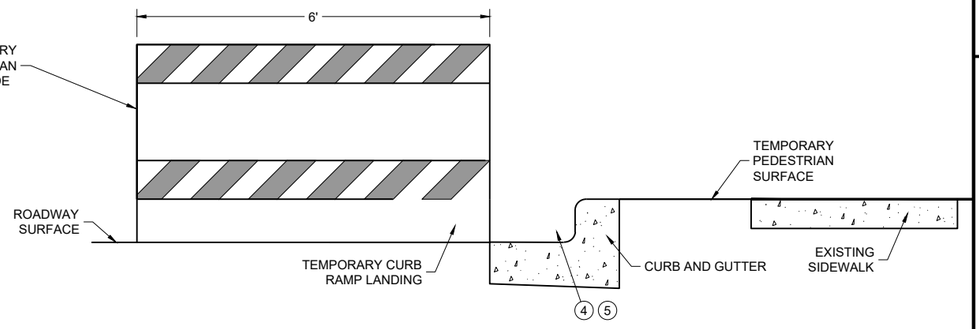
CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

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

1. INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS.
2. PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
3. DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
4. DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
5. ENSURE CURB RAMP IS OUT OF THE GUTTER PAN.
6. IF ONLY PART OF THE END PANEL OF TEMPORARY PEDESTRIAN BARRICADE PANEL IS NEEDED, EXTEND EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL HERE.
7. LANDING TO BE SLOPED A MAXIMUM OF 2.1% IN ALL DIRECTIONS OF PEDESTRIAN TRAVEL.



FRONT VIEW



SIDE VIEW

TEMPORARY CURB RAMP PARALLEL TO CURB

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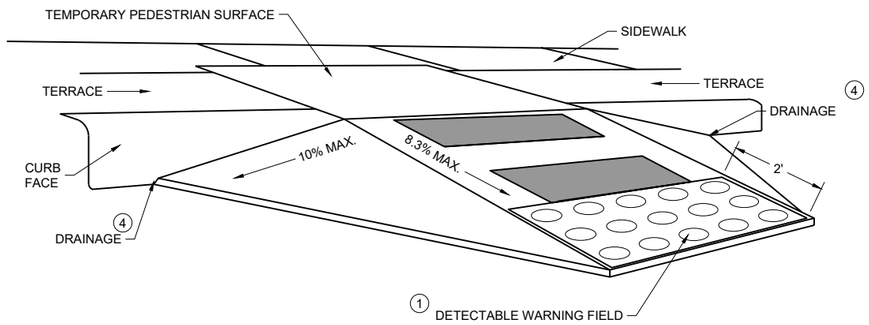
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

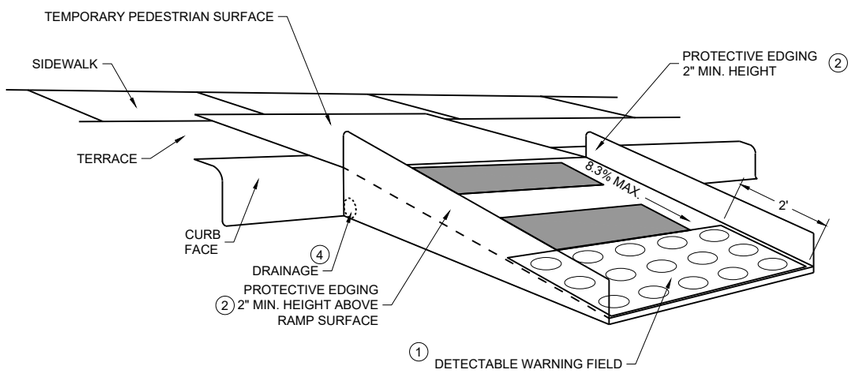
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30-12b



WITH SIDE APRON (5)



WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

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

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:48 (2.1%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

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

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

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

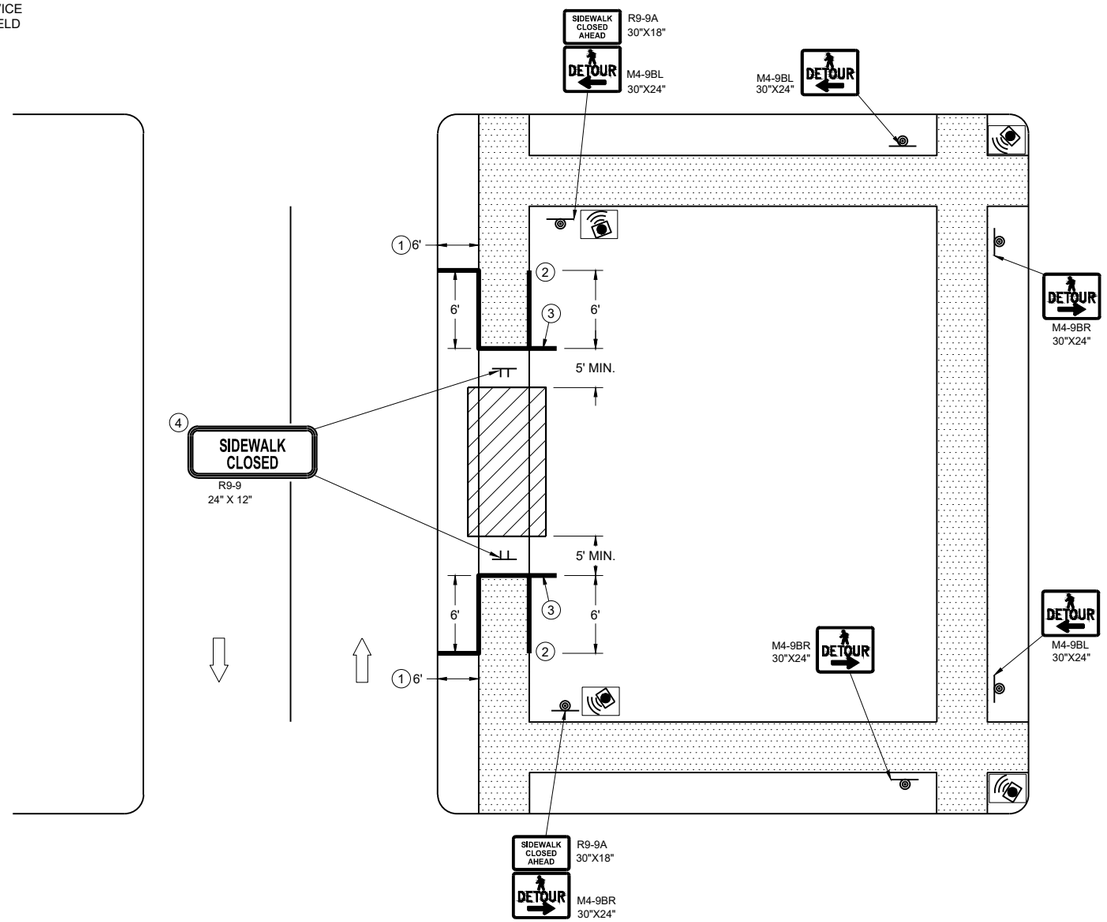
(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

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

(5) CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)



SIDEWALK DETOUR, SIDEWALK ONLY ON ONE SIDE

GENERAL NOTES

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

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

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

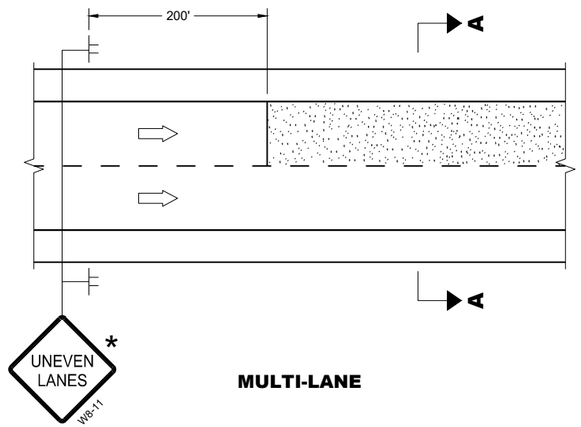
1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN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

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

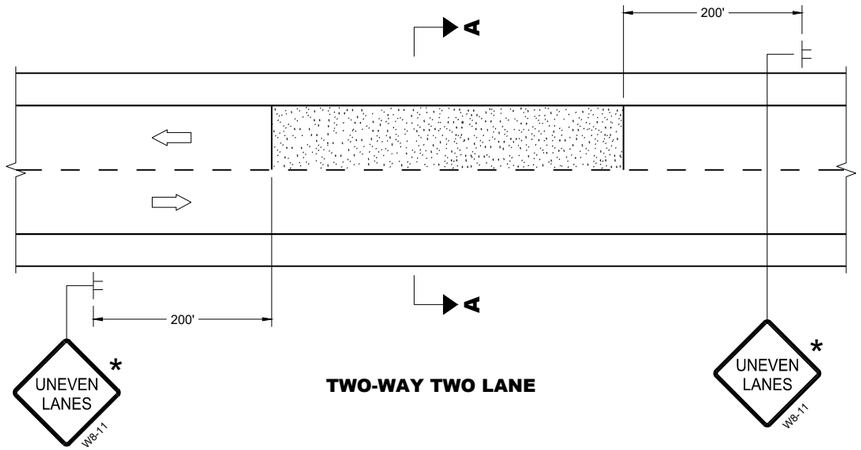
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

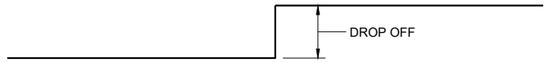
SDD 15D30-12f



MULTI-LANE

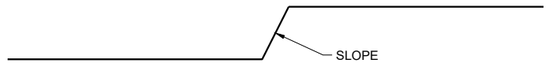


TWO-WAY TWO LANE

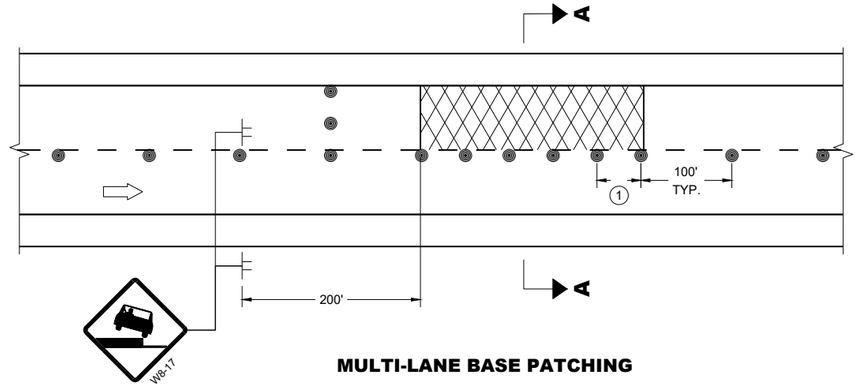


SECTION A - A

OR



SECTION A - A



MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS

GENERAL NOTES

FOR SPOT LOCATIONS USE ENGINEERING JUDGEMENT WHEN PLACING ADDITIONAL SIGNS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

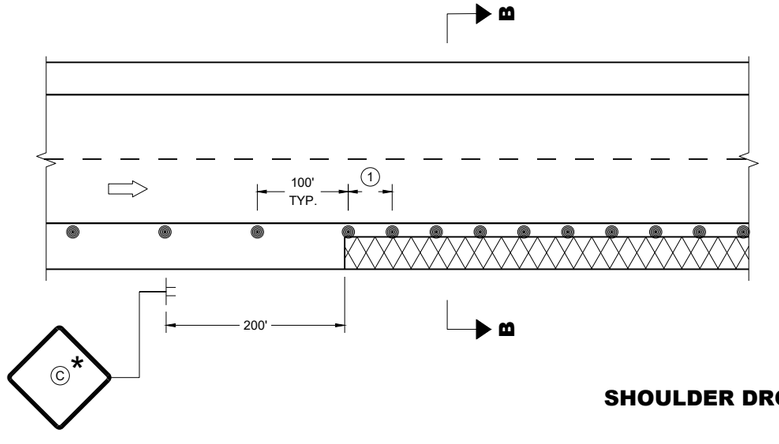
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* IF THE DROP-OFF IS CONTINUOUS ALONG THE PROJECT, PLACE ADDITIONAL SIGNS EVERY 1 MILE AND AFTER EVERY ENTRANCE RAMP.

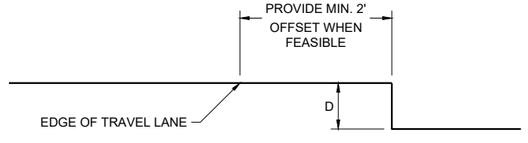
(1) USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA WITH DROP-OFF
- MILLED SURFACE



SHOULDER DROP-OFFS



SECTION B - B

D	SIGN (C)
< 2" WITH A SLOPE STEEPER THAN 3:1	LOW SHOULDER W08-9
2" < 6" WITH A SLOPE STEEPER THAN 3:1	SHOULDER DROP - OFF W8-9A
	PROVIDE A 3:1 OR FLATTER SLOPE OF MATERIAL ADJACENT TO THE PAVEMENT

TRAFFIC CONTROL, DROP-OFF SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

6
SDD 15D39-03

GENERAL NOTES

DRAWING NOT TO SCALE. ALL SIGNS AND POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM. ALL SIDE ROADS WHICH ARE UNDER CONSTRUCTION OF CURB AND GUTTER AND/OR GRADING SHALL BE ADEQUATELY SIGNED.

ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

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

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNS IN THE VICINITY, SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

SEE 15C34 FOR ADDITIONAL TRAFFIC CONTROL SIGNING WHEN CENTERLINE PAVEMENT MAKINGS ARE MISSING. 'DO NOT PASS' SIGNS MUST BE INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

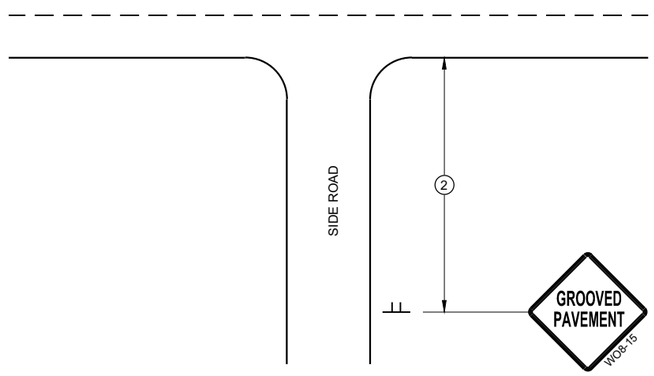
(1) PLACE SIGNS 350' IN ADVANCE OF MILLED SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

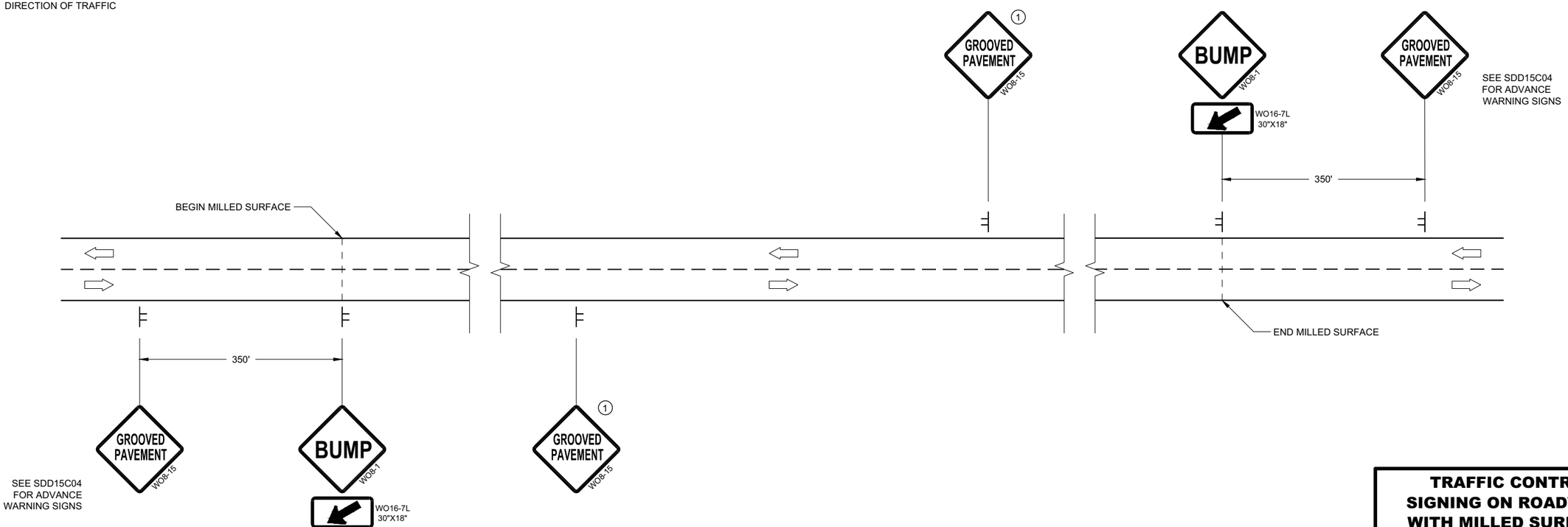
LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH SIGN DETAIL



DETAIL FOR SIGNING ON MILLED SURFACES

TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6
SDD 15D44 - 02

GENERAL NOTES

DRAWING NOT TO SCALE. ALL SIGNS AND POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM. ALL SIDE ROADS WHICH ARE UNDER CONSTRUCTION OF CURB AND GUTTER AND/OR GRADING SHALL BE ADEQUATELY SIGNED.

ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

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

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNS IN THE VICINITY, SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

SEE 15C34 FOR ADDITIONAL TRAFFIC CONTROL SIGNING WHEN CENTERLINE PAVEMENT MAKINGS ARE MISSING. 'DO NOT PASS' SIGNS MUST BE INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

(1) PLACE SIGNS 350' IN ADVANCE OF CHIP SEALED OR LOOSE GRAVEL SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

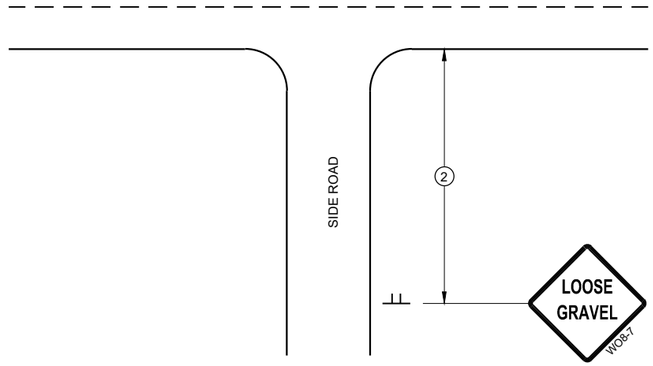
(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

(3) ADD WO8-1 OR WO8-2 SIGN WHEN THE CONDITION IS PRESENT.

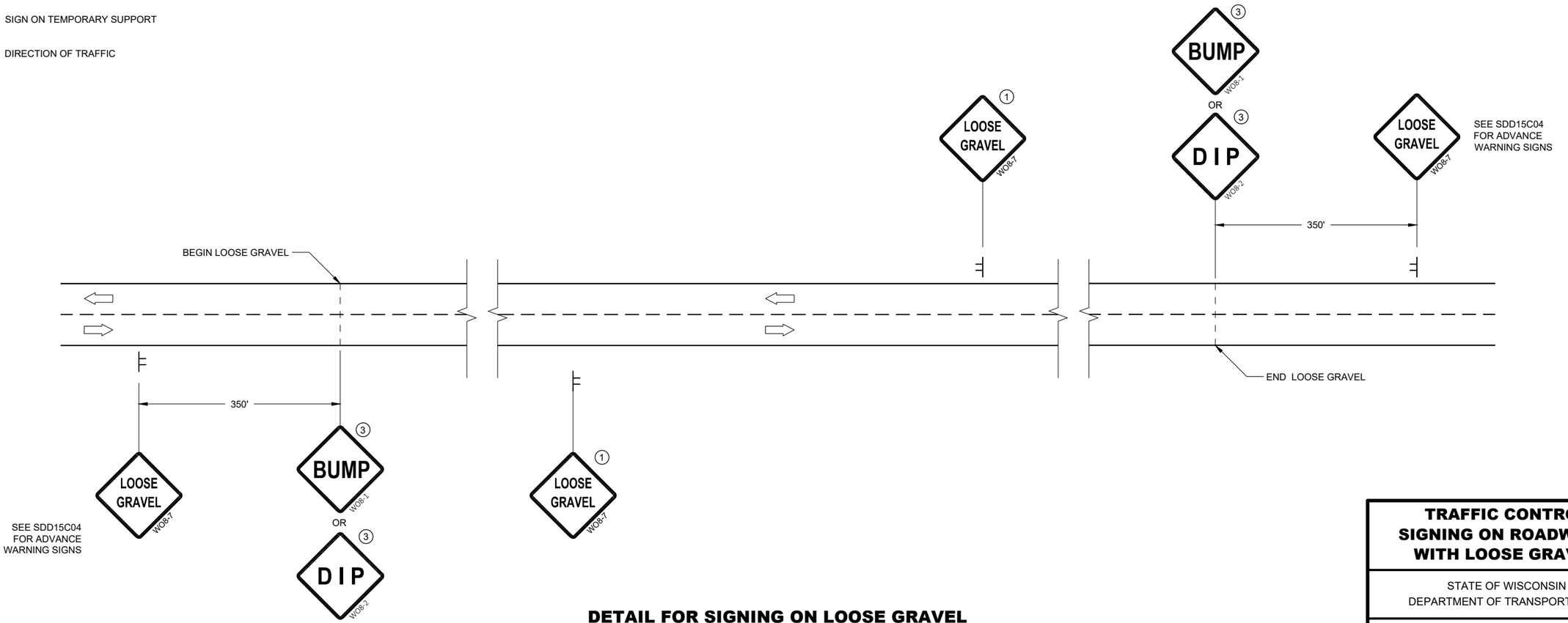
LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH SIGN DETAIL



DETAIL FOR SIGNING ON LOOSE GRAVEL OR CHIP SEALED SURFACES

TRAFFIC CONTROL SIGNING ON ROADWAYS WITH LOOSE GRAVEL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

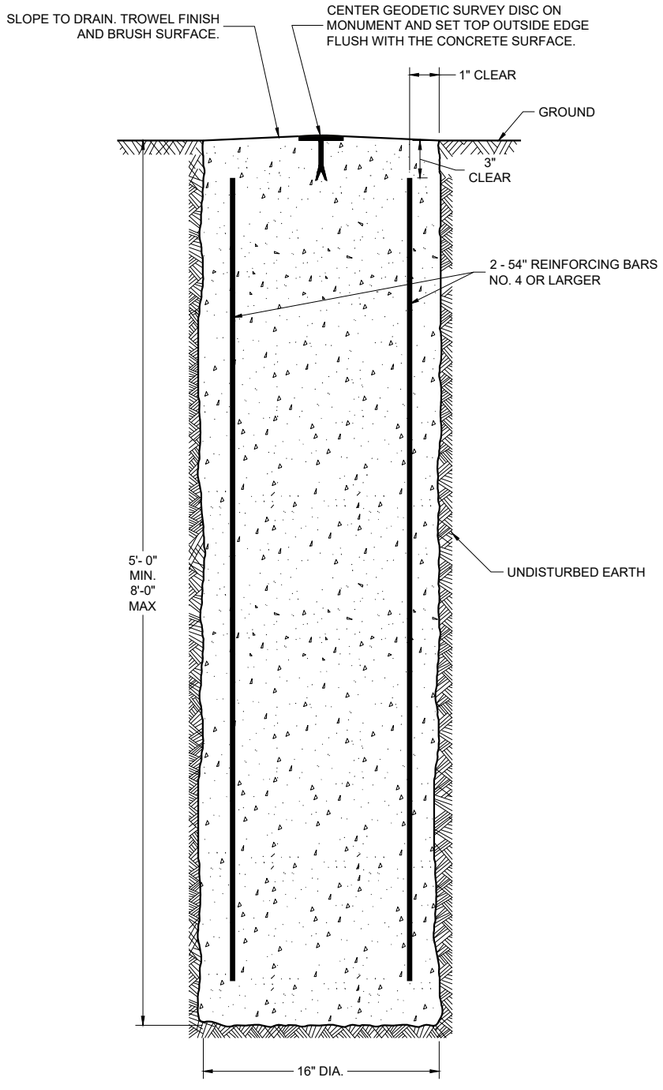
SDD 15D45 - 03

GENERAL NOTES

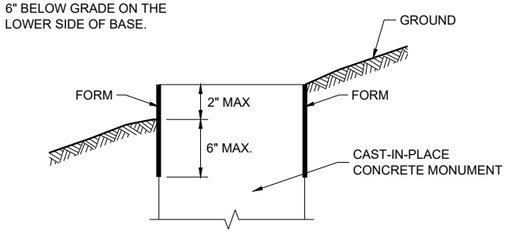
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SURVEY MONUMENT SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

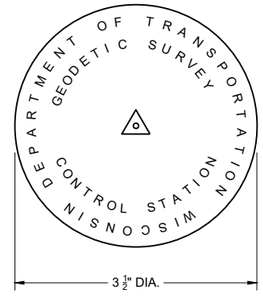
IF A SURVEY MONUMENT REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.



CAST-IN-PLACE CONCRETE MONUMENT



FORMING DETAIL



GEODETIC SURVEY DISC
FURNISHED BY WISDOT

GEODETIC SURVEY MONUMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2025 — DATE
/S/ DAVID J. LAYTON — CHIEF SURVEY AND MAPPING ENGINEER

FHWA

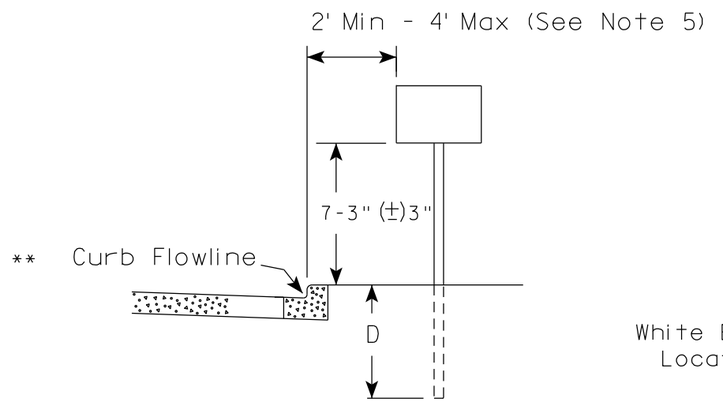
6

SDD 16A02-01

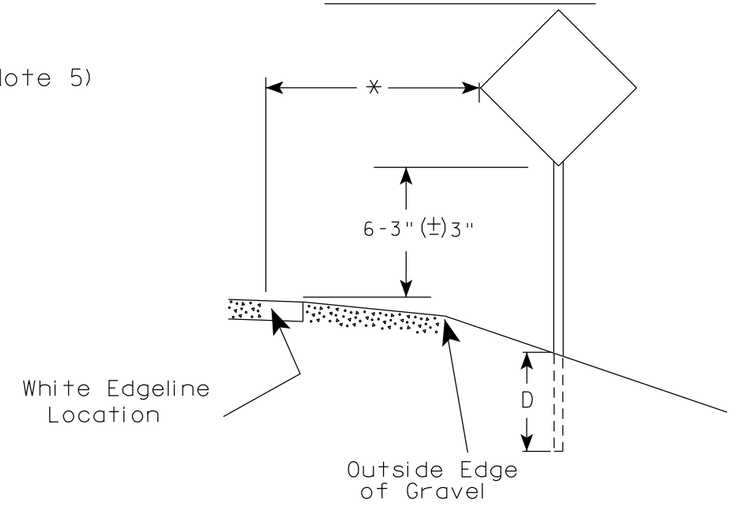
6

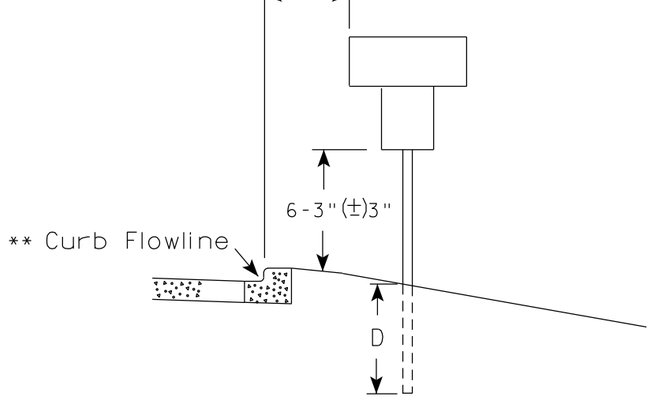
SDD 16A02-01

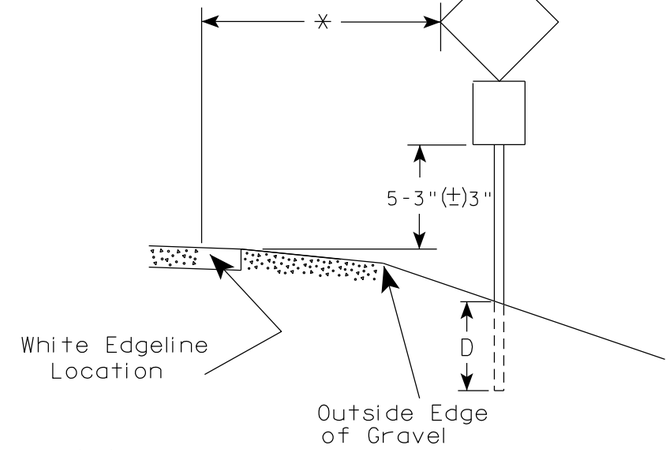
URBAN AREA



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.

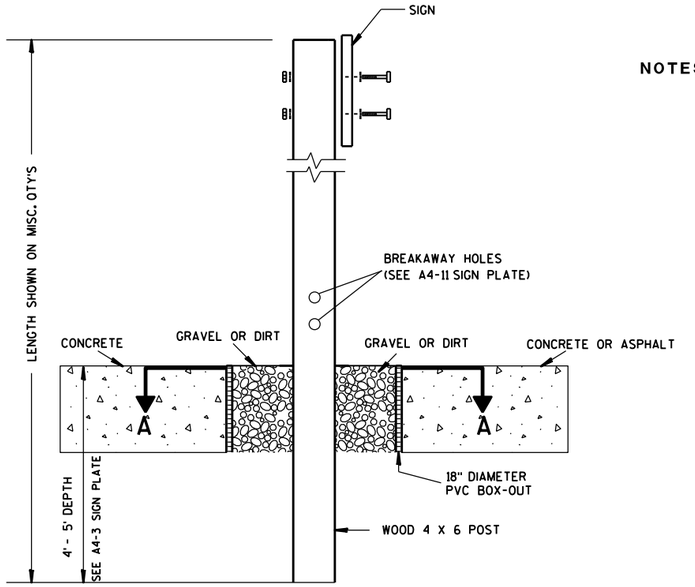
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

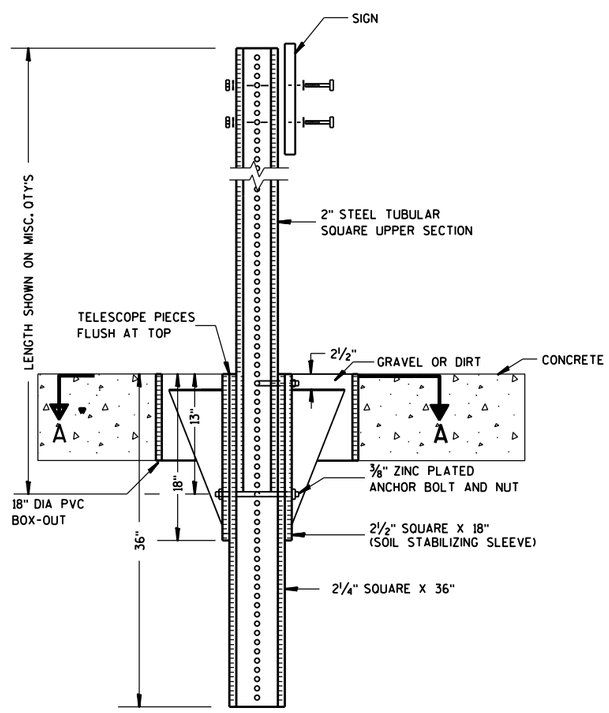
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 177	E



ELEVATION VIEW

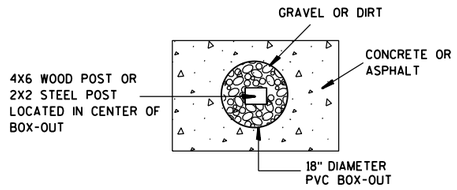
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

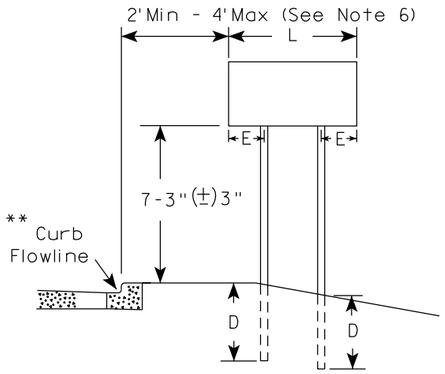
APPROVED Matthew R Rauch
for State Traffic Engineer

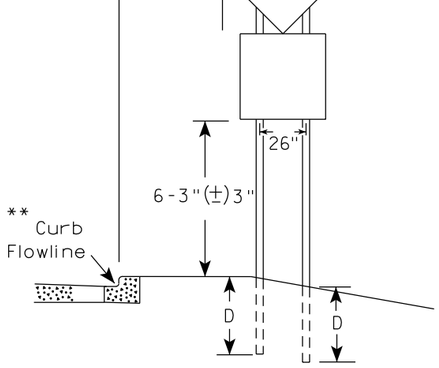
DATE 1/27/14 PLATE NO. A4-3B.1

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

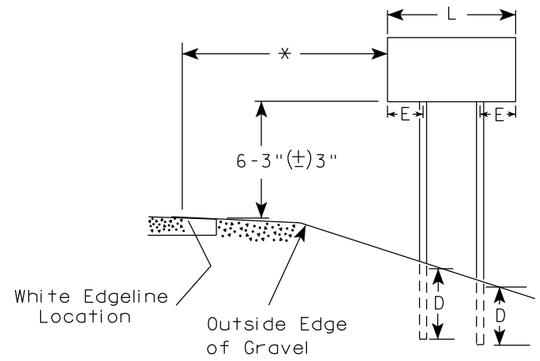
URBAN AREA

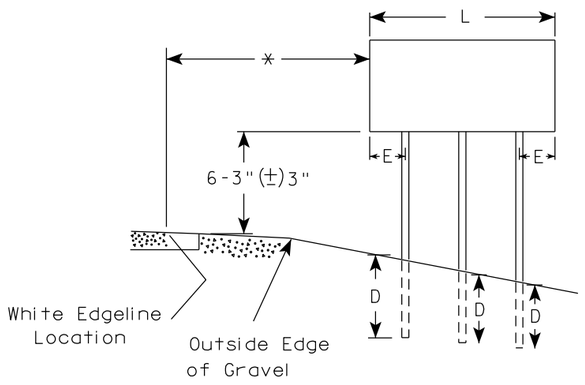


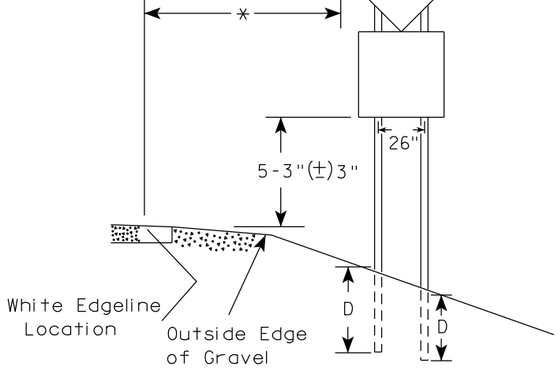


48" DIAMOND WARNING SIGN

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'

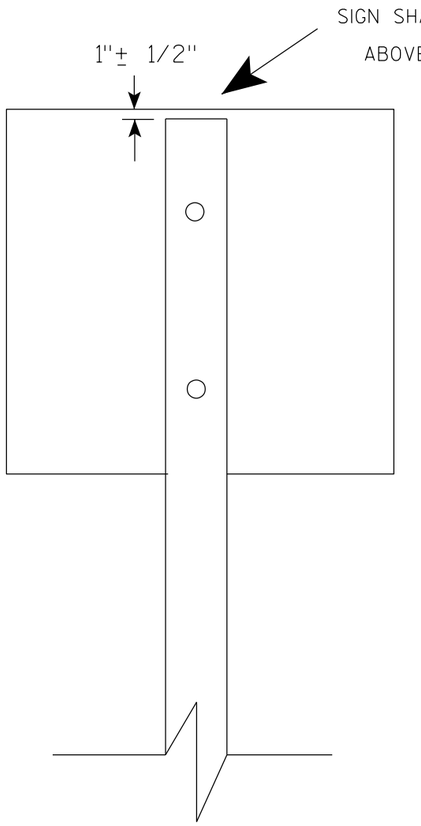
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

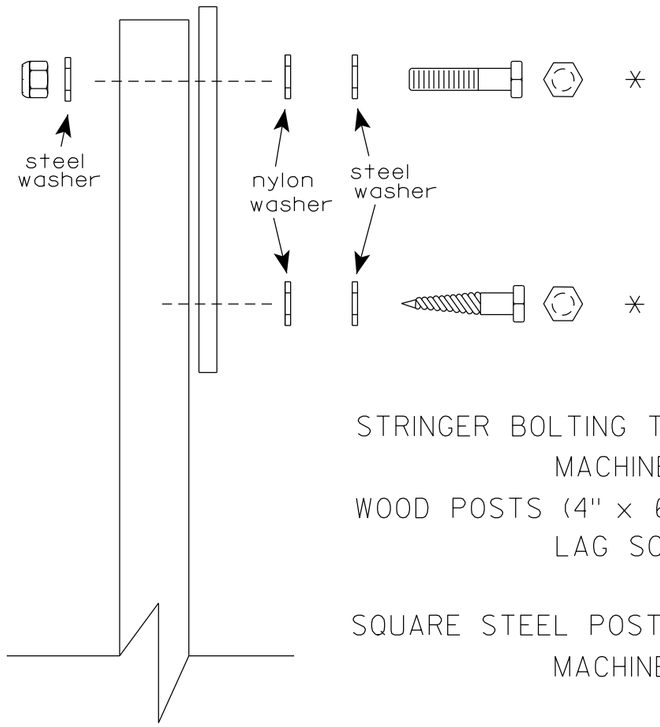
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 179	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: 180 E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 01-APRIL-2020 PLOT BY : dotc4c

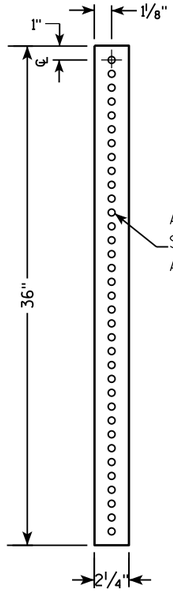
WISDOT/CADDS SHEET 42

7

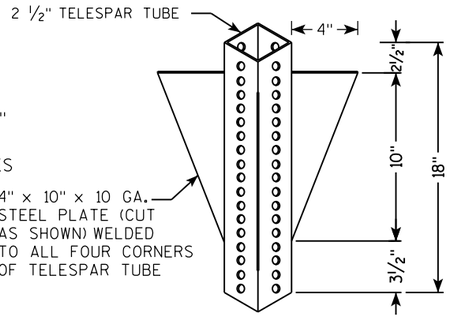
7

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

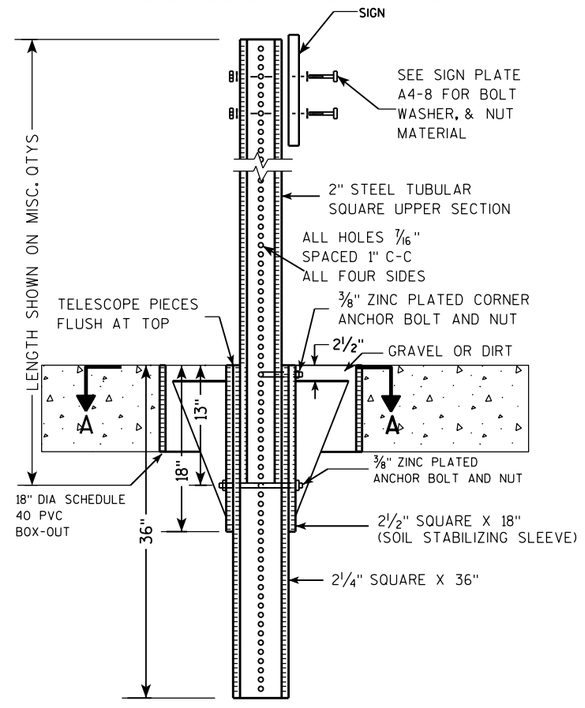
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



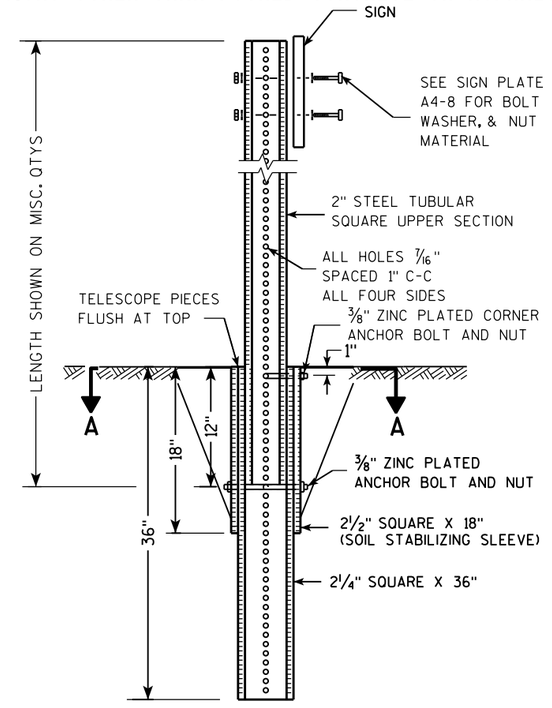
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

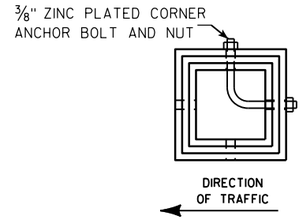


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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

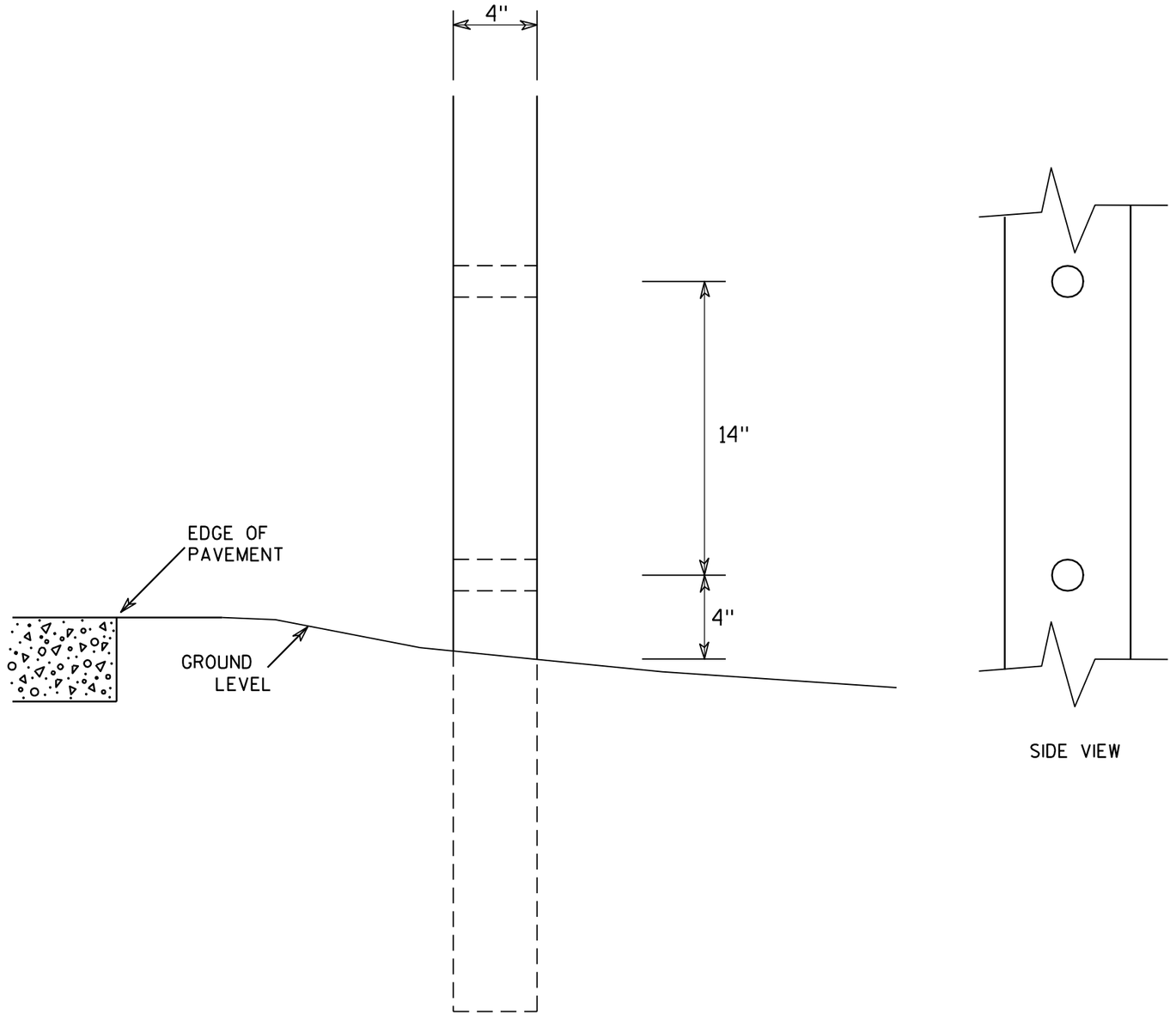
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

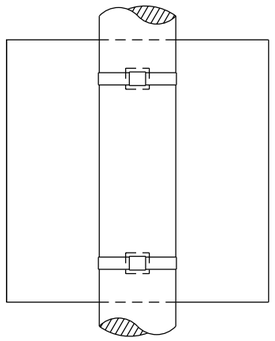
APPROVED Chester J Spang
for State Traffic Engineer

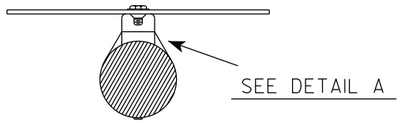
DATE 3/27/97 PLATE NO. A4-11.2

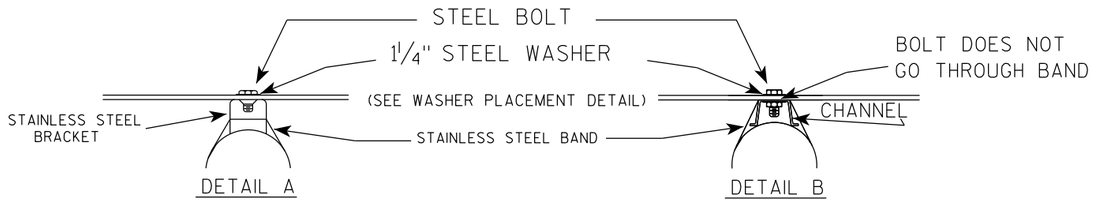
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 182	E

BANDING

SINGLE SIGN



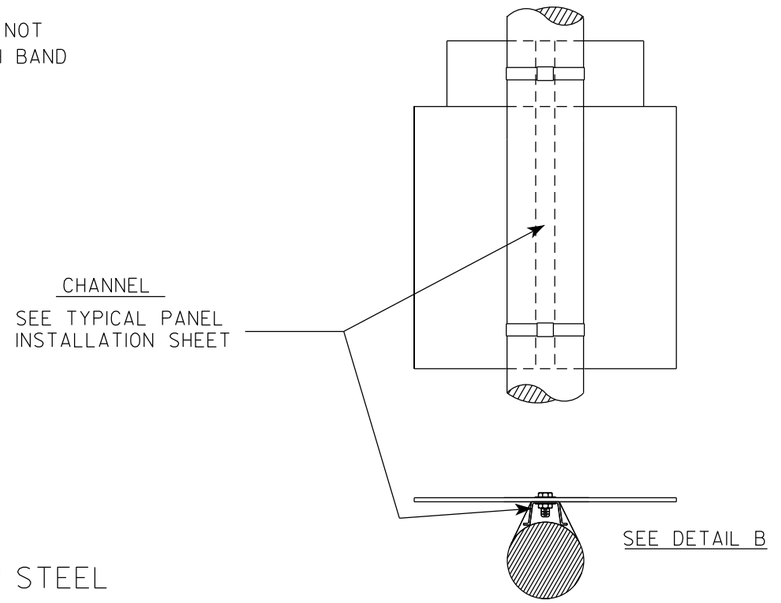




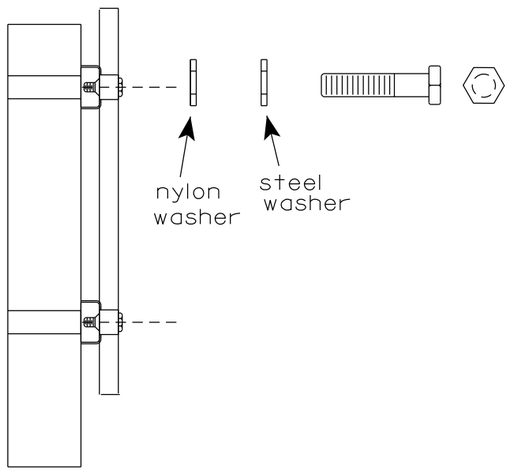
GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

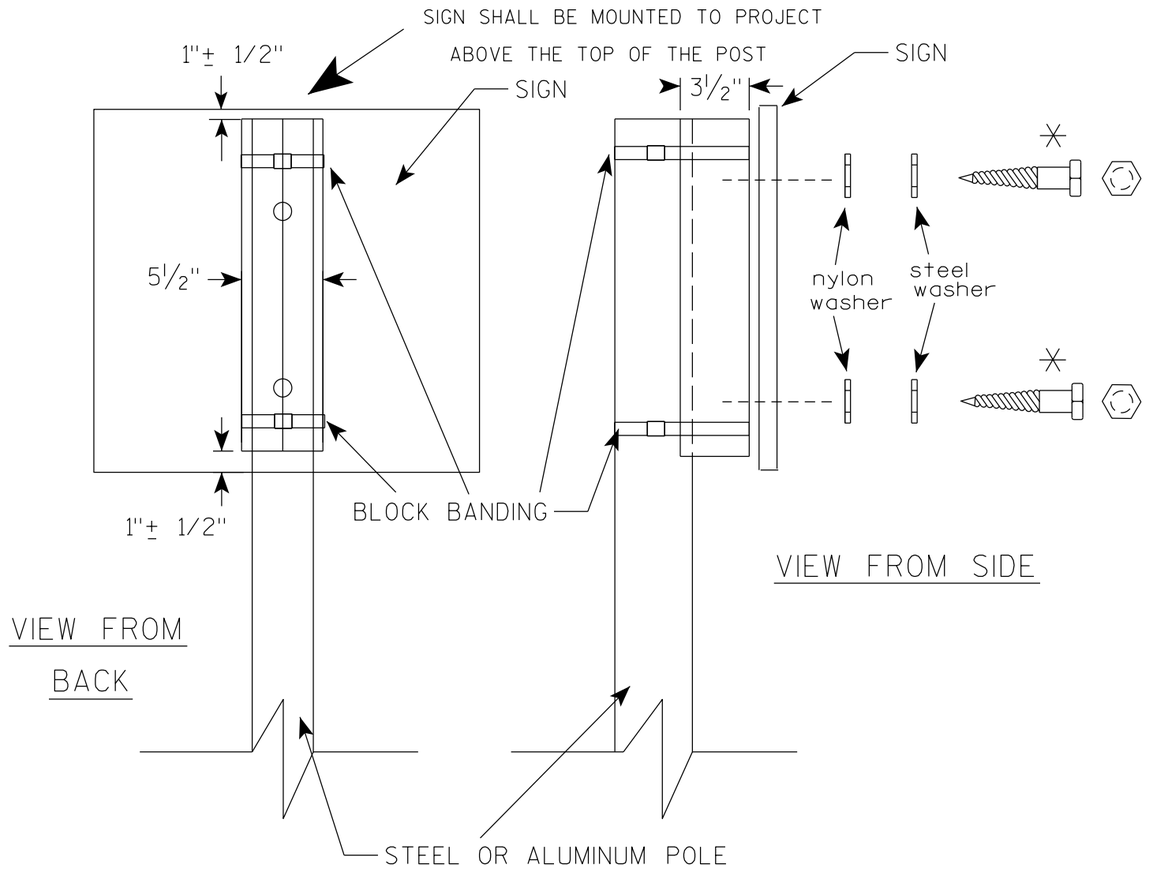
DATE 6/10/19 PLATE NO. A5-9.4

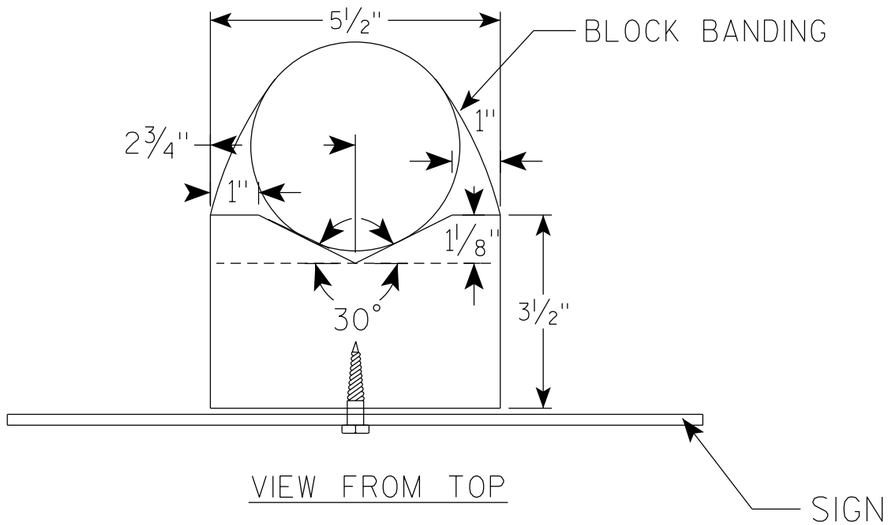
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 183	E

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)

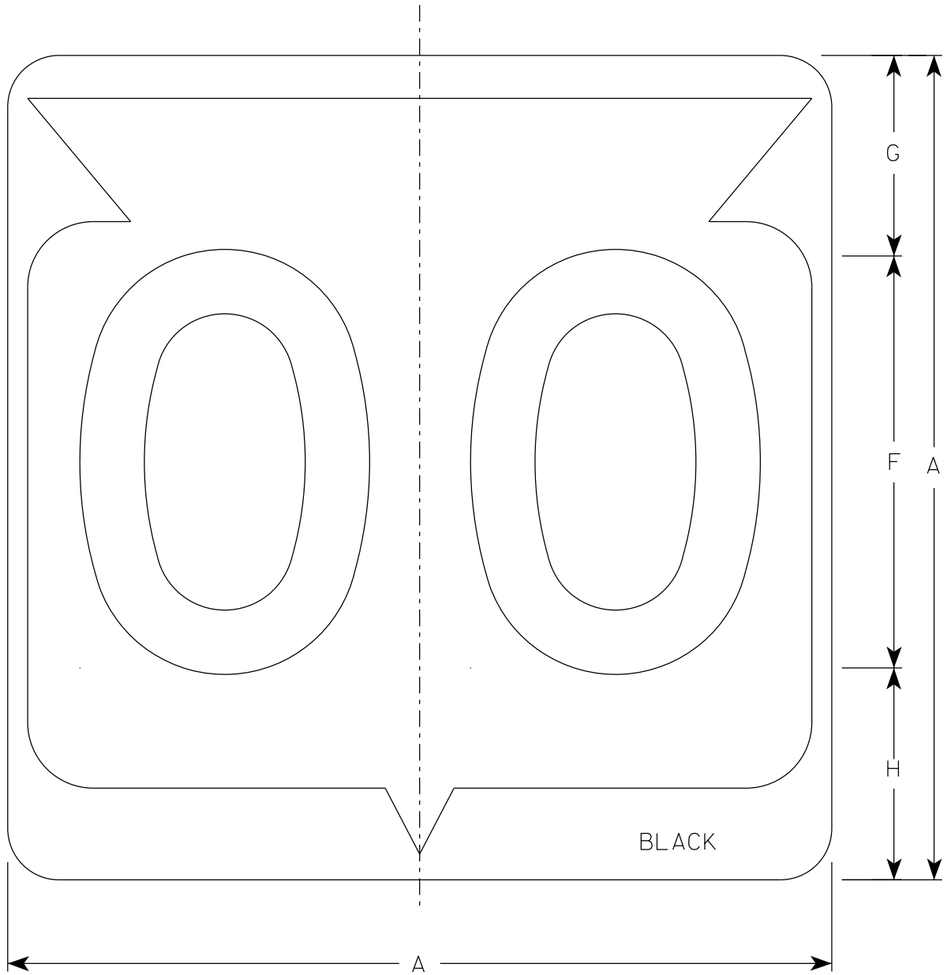
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

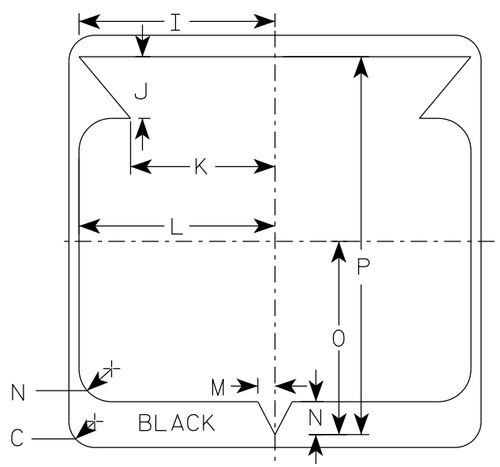
SHEET NO: 184 E



M1-6

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
2M	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

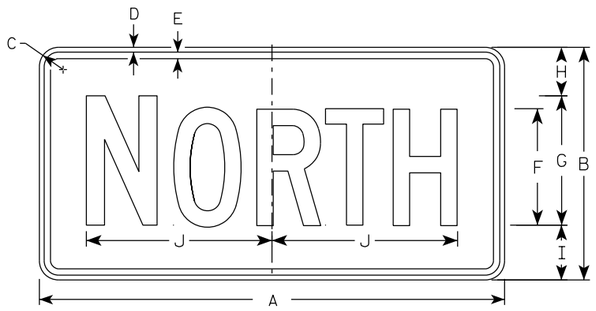
STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

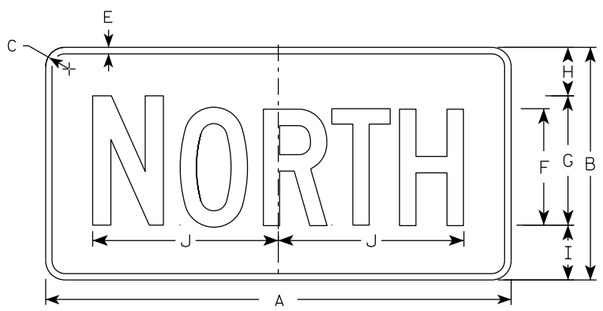
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/8/2022 PLATE NO. M1-6.11

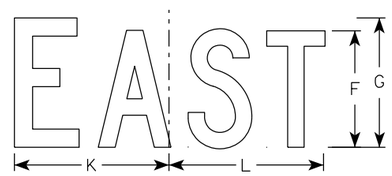
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 185	E



M3-1
MM3-1
MP3-1

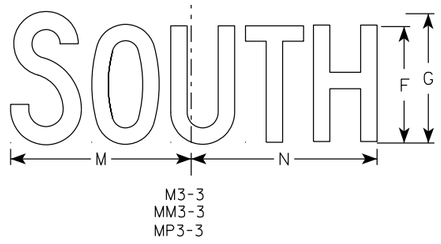


MB3-1
MK3-1
MN3-1

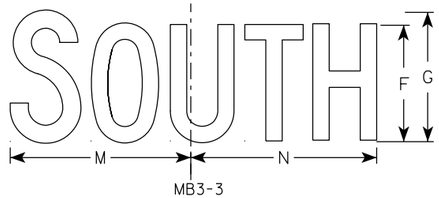


M3-2
MM3-2
MP3-2

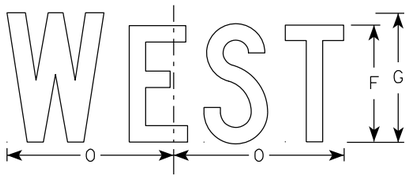
MB3-2
MK3-2
MN3-2



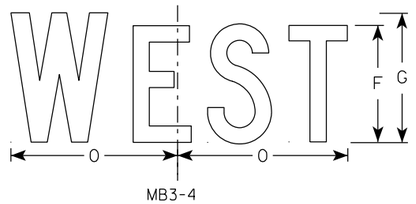
M3-3
MM3-3
MP3-3



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

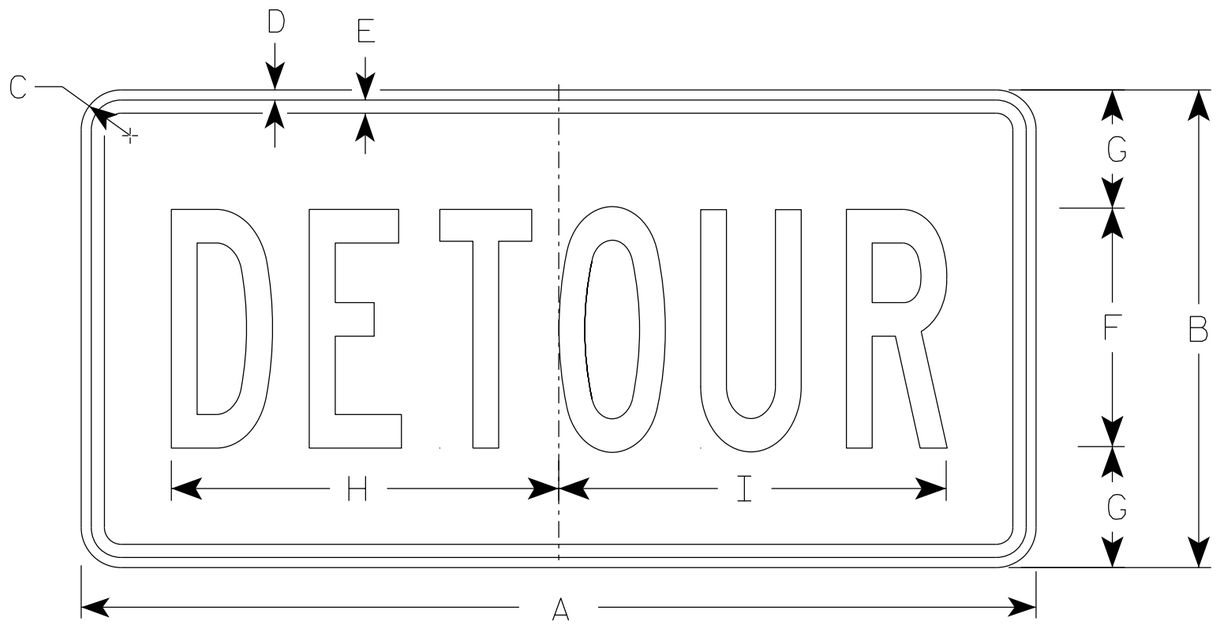
STANDARD SIGNS
M3-1 THRU M3-4
SERIES

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: 186 | 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

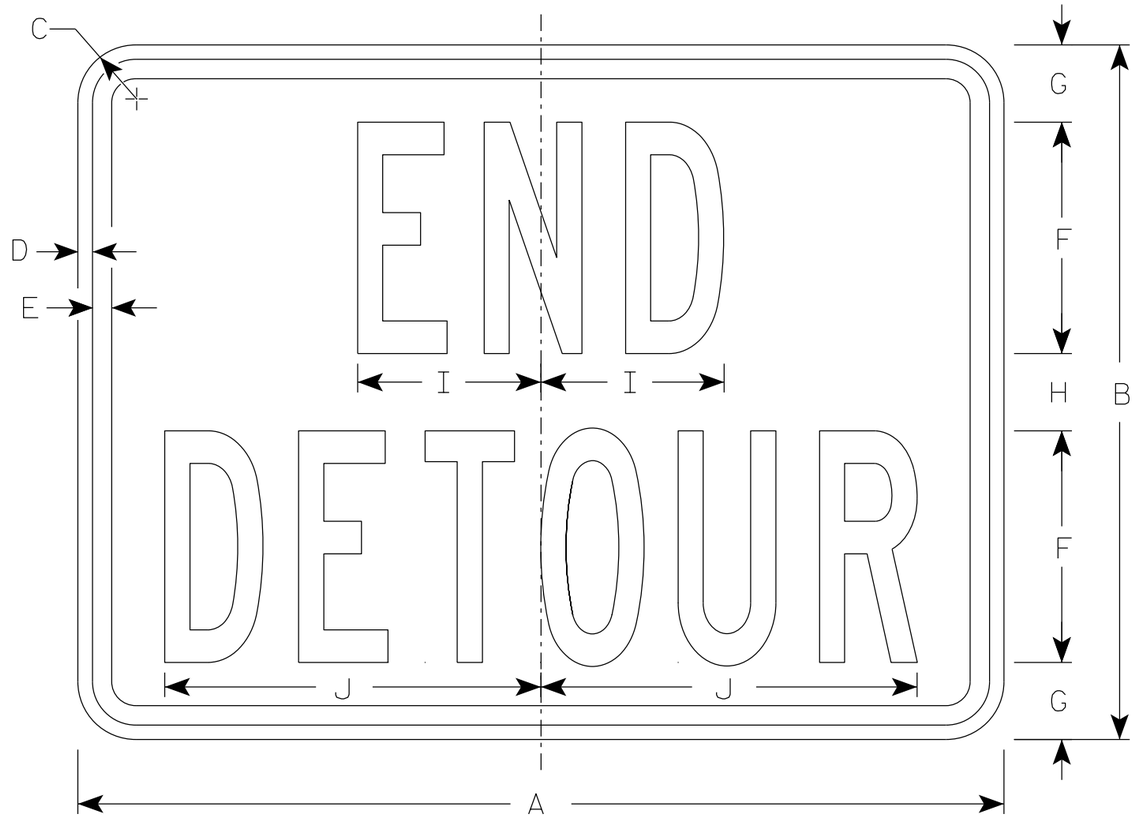
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-8.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M48.dgn PLOT DATE : 9-FEB 2023 7:38 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



M4-8A

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 ½	⅜	½	6	2	2	4 ¾	9 ¾																	3.0
2M	24	18	1 ½	⅜	½	6	2	2	4 ¾	9 ¾																	3.0
3	30	24	1 ½	⅜	½	8	2 ½	3	6 ¾	13																	5.0
4	30	24	1 ½	⅜	½	8	2 ½	3	6 ¾	13																	5.0
5	30	24	1 ½	⅜	½	8	2 ½	3	6 ¾	13																	5.0

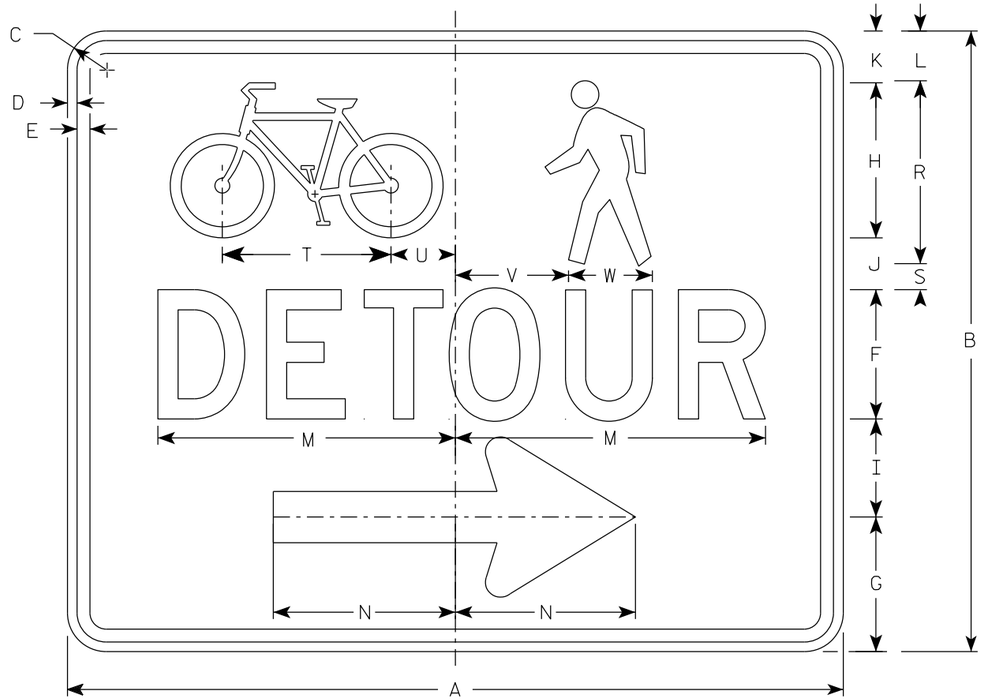
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-8A.4

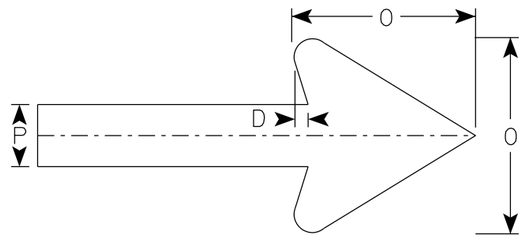
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 188 | E



M4-9AR

NOTES

1. Sign is Type II-Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9AL is the same as M4-9AR except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	3/8	1/2	5	5 1/4	6	3 3/4	2	2	1 7/8	11 3/4	7	6	2		7 1/8	1	6 1/2	2 1/2	4 3/8	3 1/4				5.00
2M	30	24	1 1/2	3/8	1/2	5	5 1/4	6	3 3/4	2	2	1 7/8	11 3/4	7	6	2		7 1/8	1	6 1/2	2 1/2	4 3/8	3 1/4				5.00
3																											
4																											
5																											

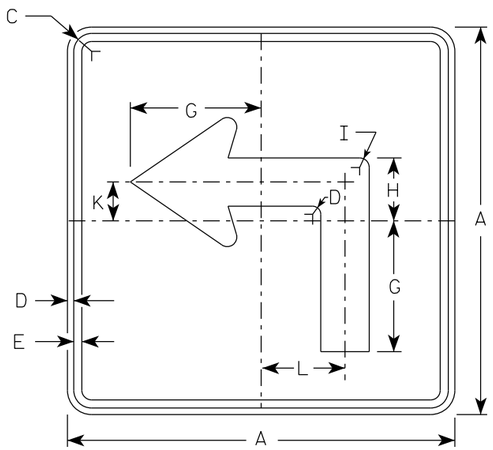
STANDARD SIGN
M4-9A L&R

WISCONSIN DEPT OF TRANSPORTATION

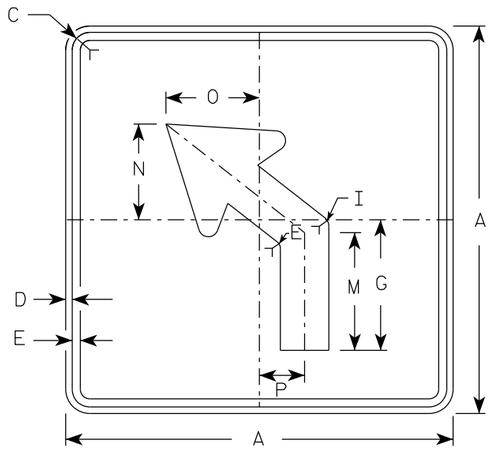
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-9A.3

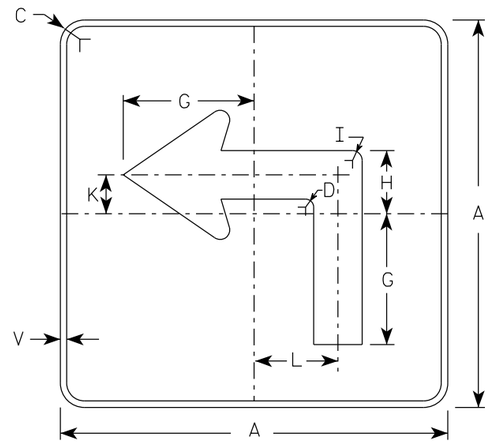
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 189 | E



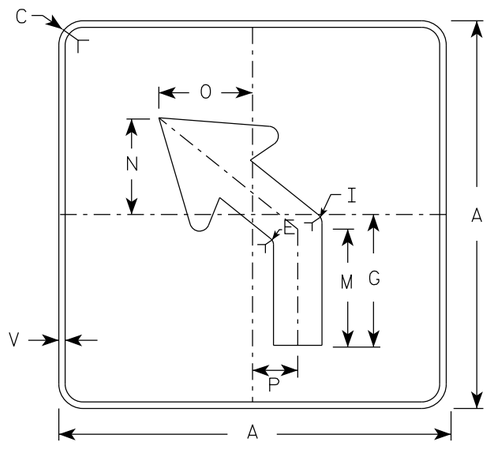
M5-1L
MM5-1L
MO5-1L
MP5-1L



M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L

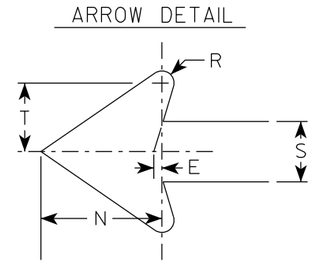


MB5-2L
MK5-2L
MN5-2L
MR5-2L

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

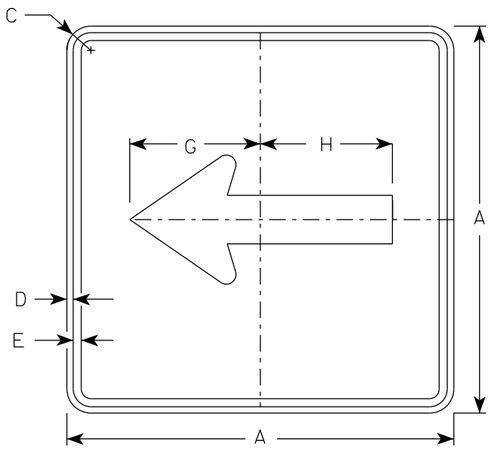
STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

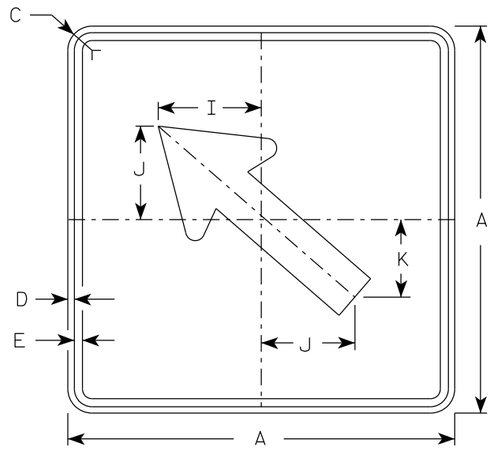
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M5-1.15

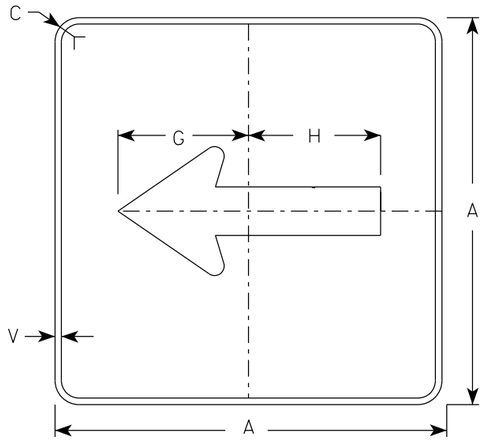
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 190 | E



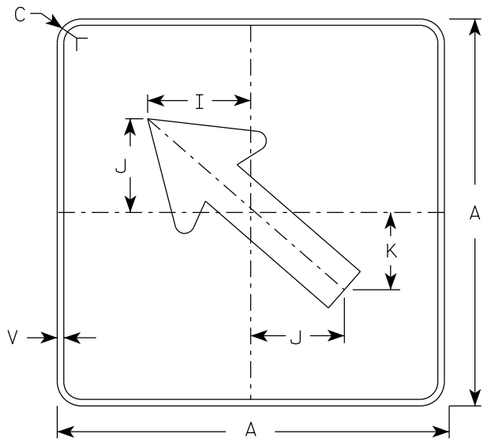
M6-1
MM6-1
MO6-1
MP6-1



M6-2
MM6-2
MO6-2
MP6-2



MB6-1
MK6-1
MN6-1
MR6-1

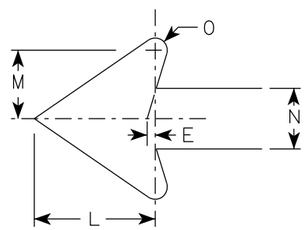


MB6-2
MK6-2
MN6-2
MR6-2

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

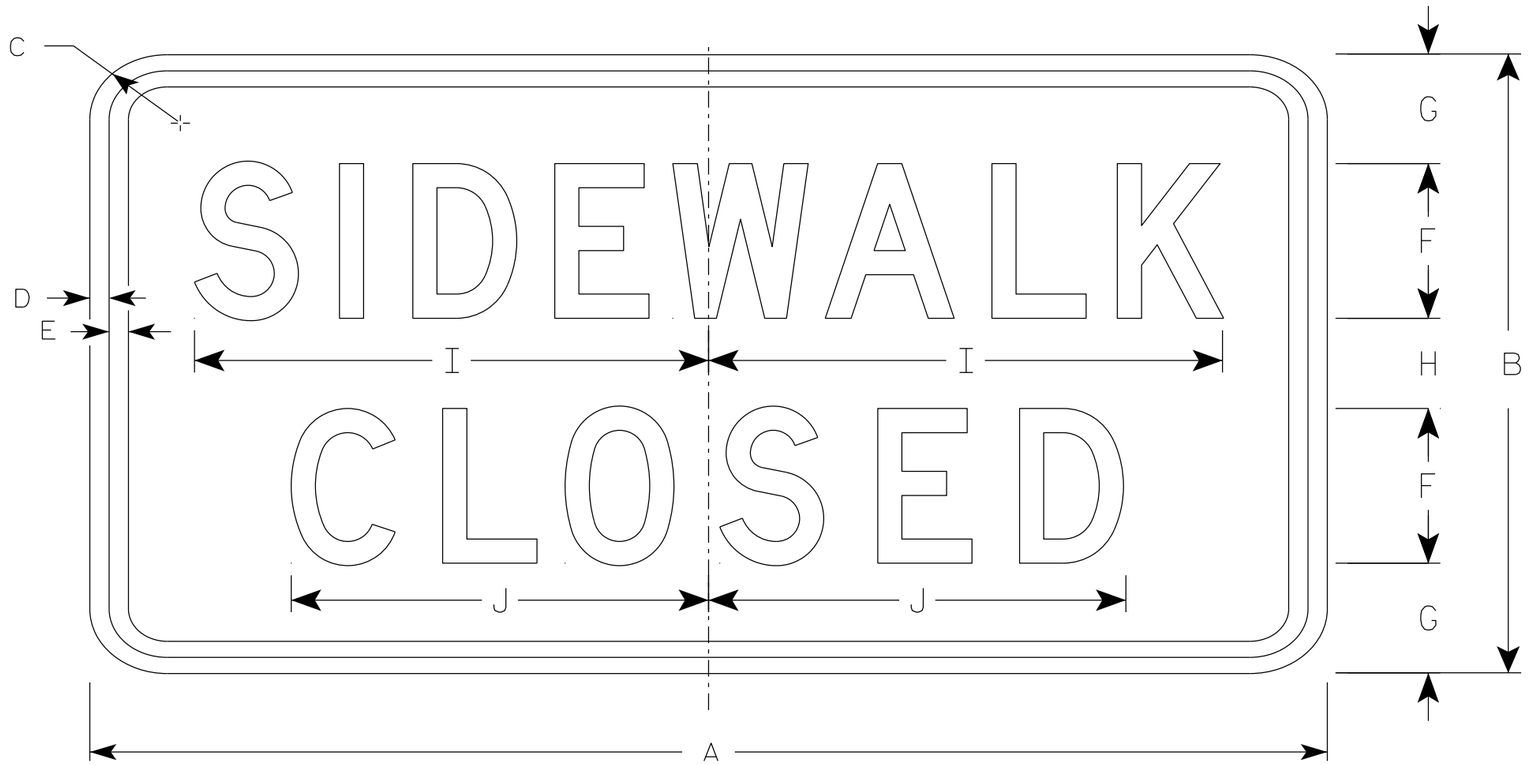
STANDARD SIGN
M6-1 & M6-2
SERIES

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: 191 | 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

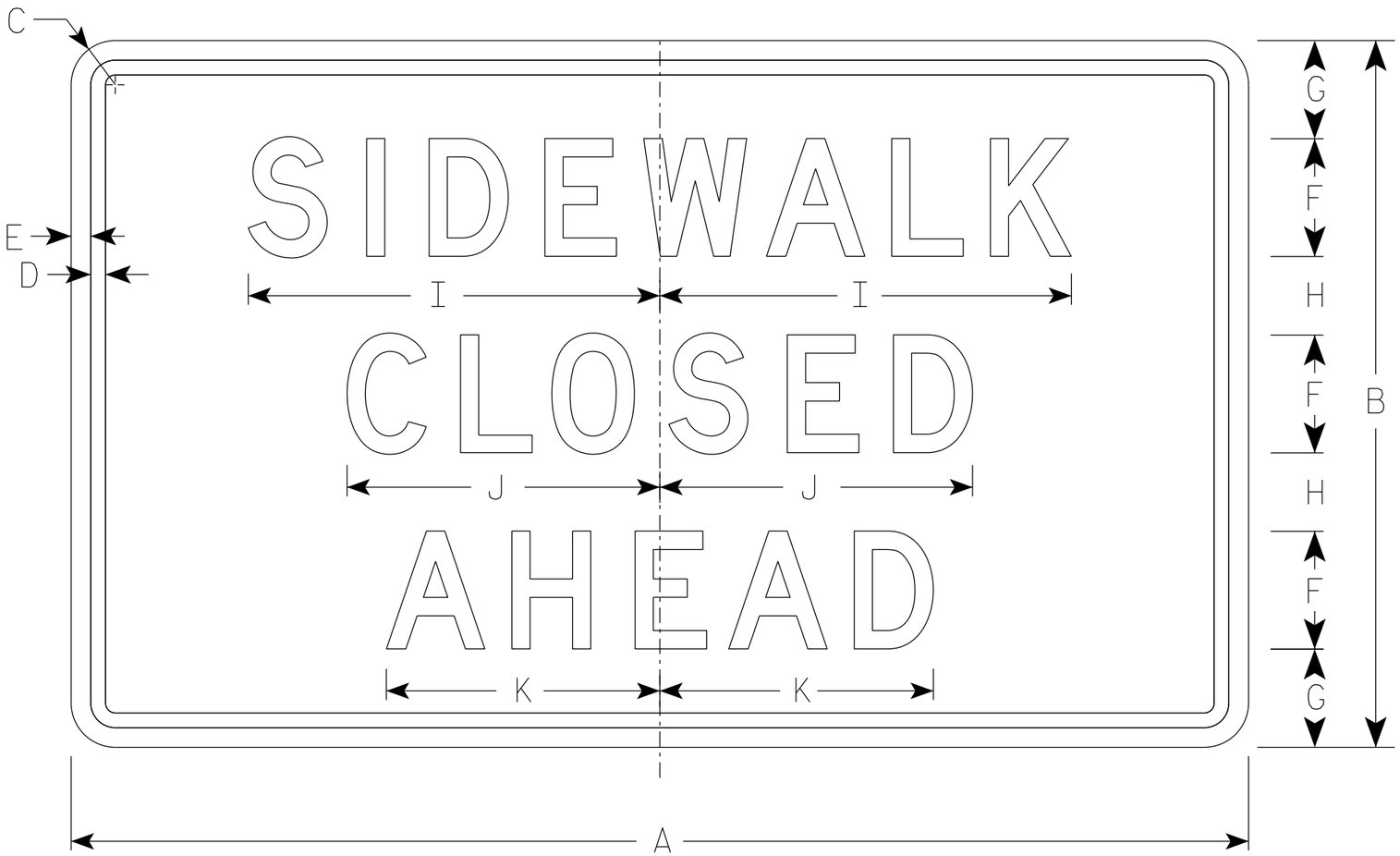
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/24 PLATE NO. R9-9.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 192 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



R9-9A

SIZE	A	B	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	⅜	½	3	2 ½	2	10 ½	8	7																3.75
2M	30	18	1 ½	⅜	½	3	2 ½	2	10 ½	8	7																3.75
3																											
4																											
5																											

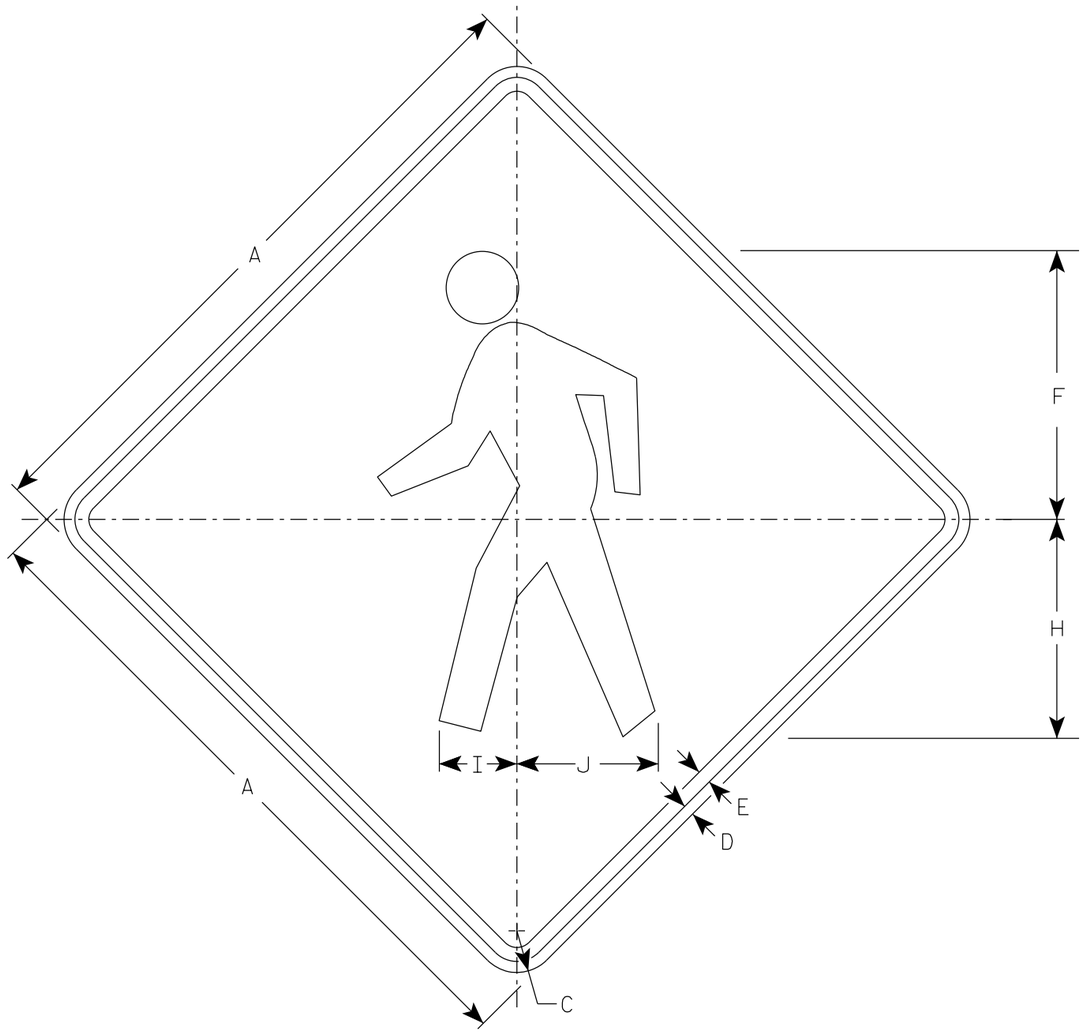
STANDARD SIGN
R9-9A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/24 PLATE NO. R9-9A.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 193	E



W11-2

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/2	3/8	1/2	9 3/4		7 7/8	2 7/8	5 1/8																	4.0
2S	30		1 7/8	1/2	5/8	12 1/8		9 7/8	3 1/2	6 3/8																	6.25
2M	36		2 1/4	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
3	36		2 1/4	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
4	48		3	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

STANDARD SIGN

W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

For State Traffic Engineer

DATE 6/15/2023 PLATE NO. W11-2.9

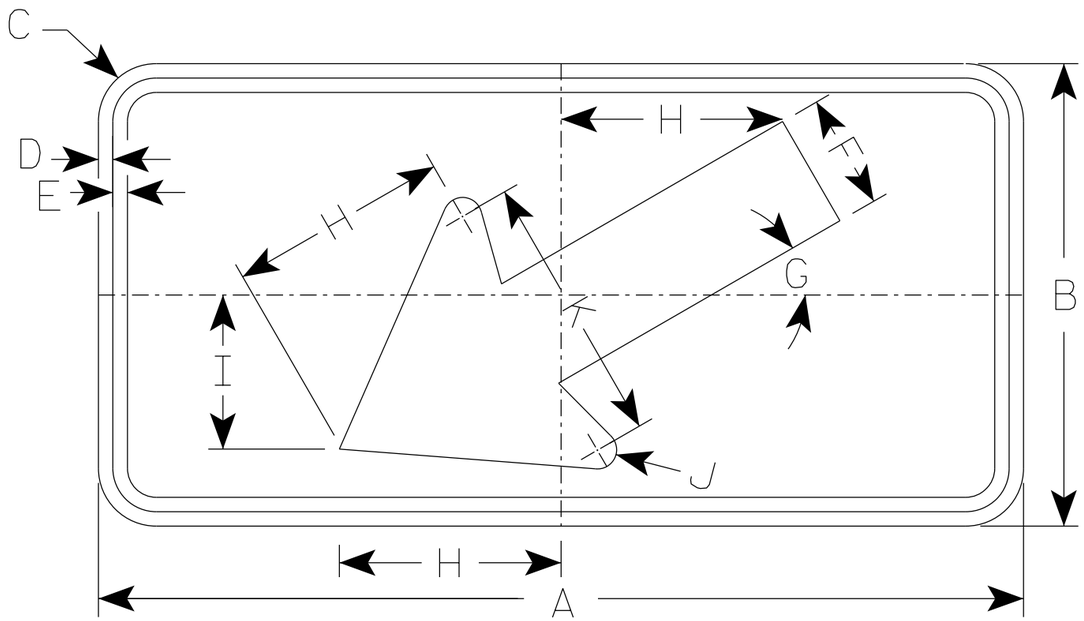
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W112.DGN PLOT DATE : 15-JUNE 2023 3:50 PLOT BY : dotc4c PLOT NAME : PLOT SCALE :

WISDOT/CADDS SHEET 42

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.



W16-7L

* 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 1/2	3/8	3/8	3	30°	5 3/4	4	1/2	7																2.0
*	2M	30	18	1 1/2	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
*	3	30	18	1 1/2	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
*	4	48	24	1 7/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
	5																											

STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

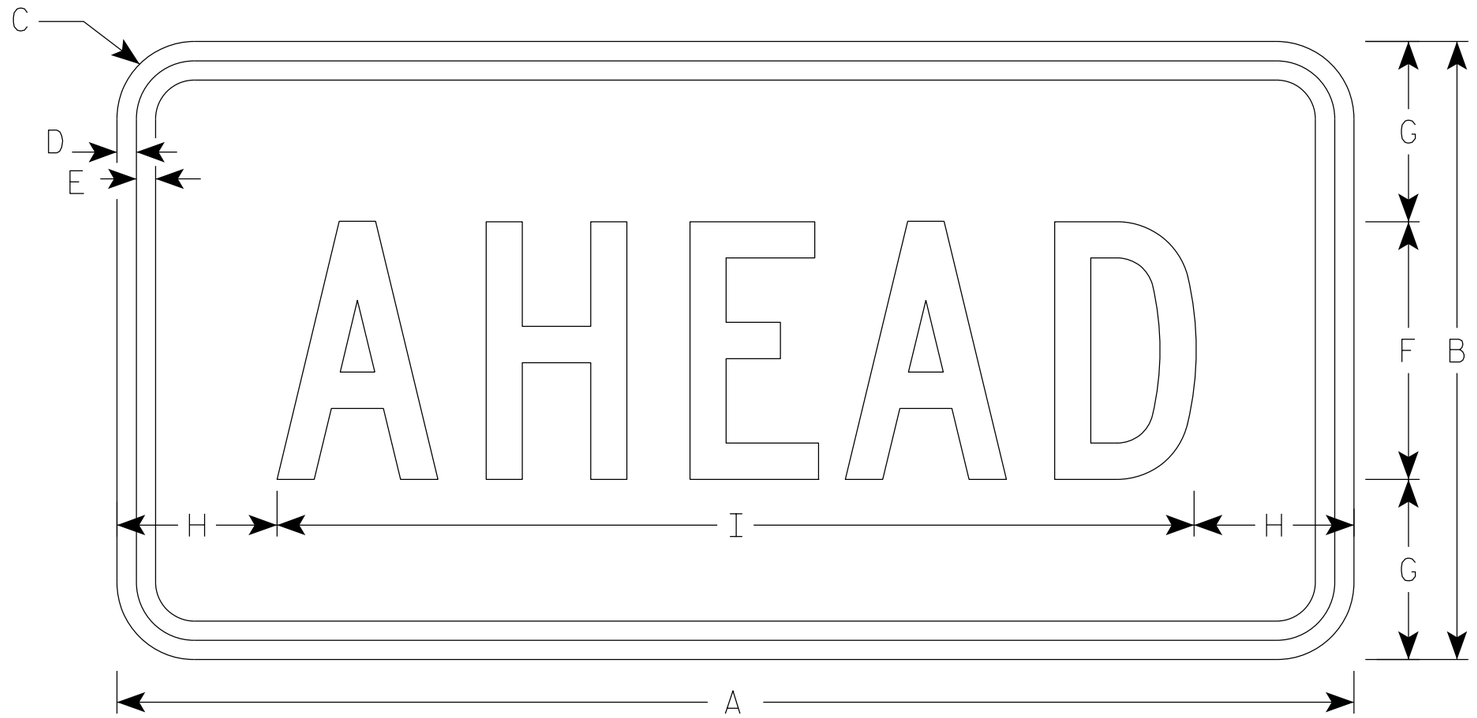
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/9/2024 PLATE NO. W16-7.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 195 E

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

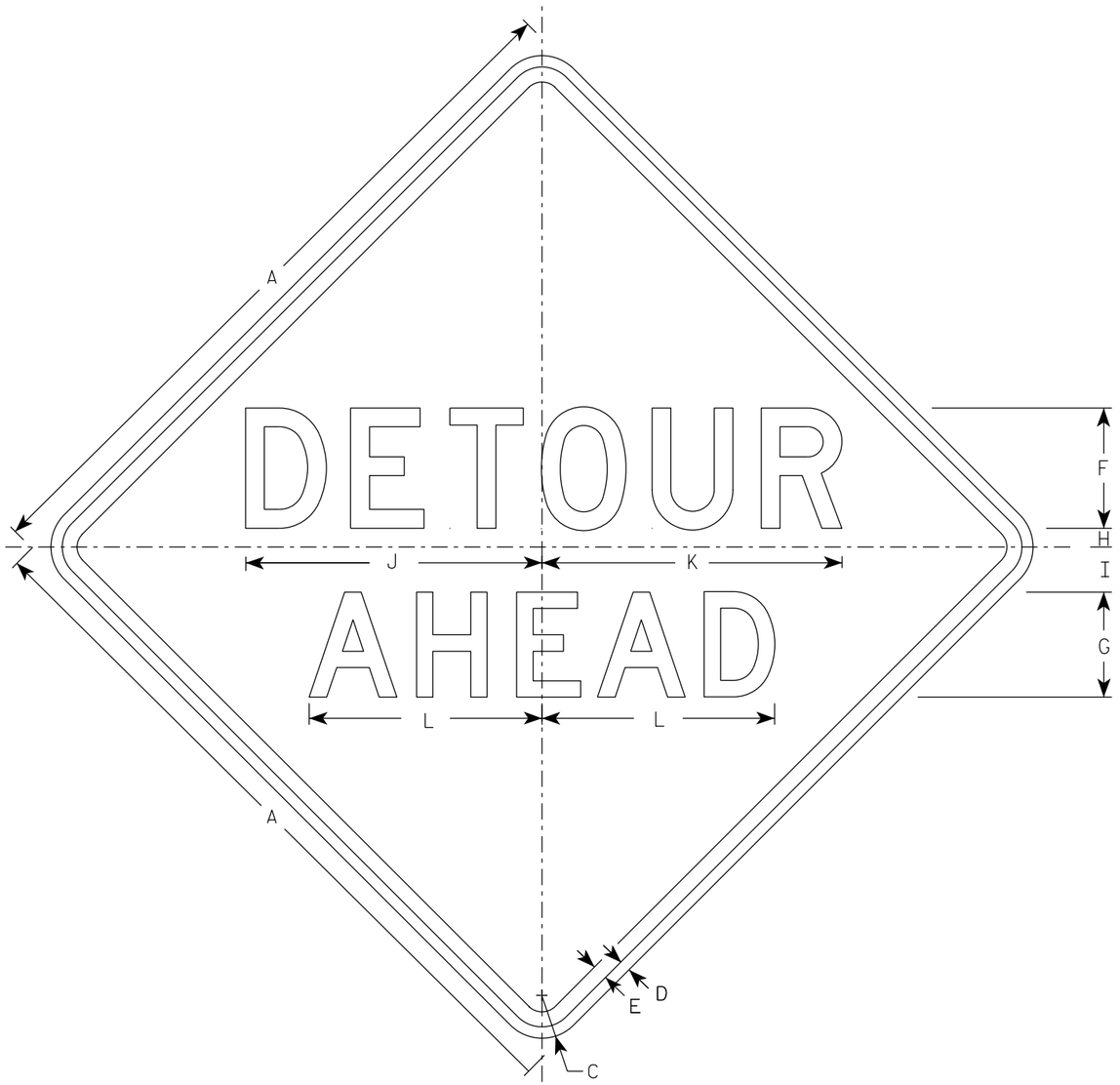
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/9/2024 PLATE NO. W16-9P.9

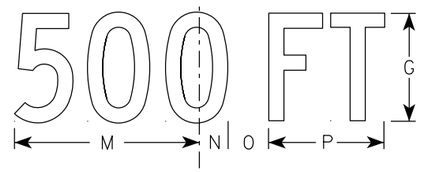
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 196 E

7

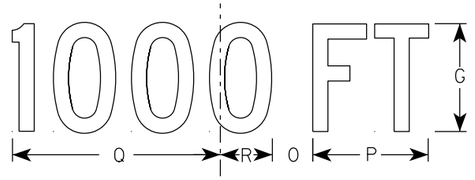
7



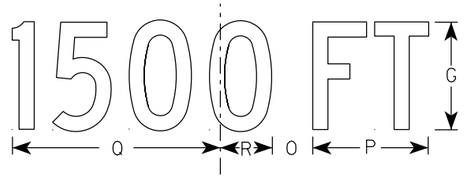
W20-2A



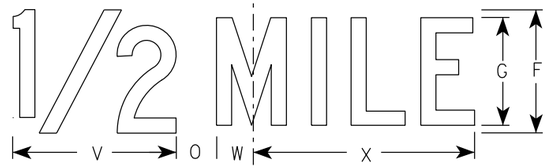
W20-2D



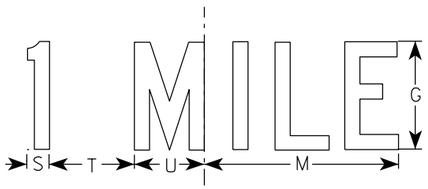
W20-2C



W20-2B



W20-2G



W20-2F

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

STANDARD SIGN
W20-2A,B,C,D,F & G

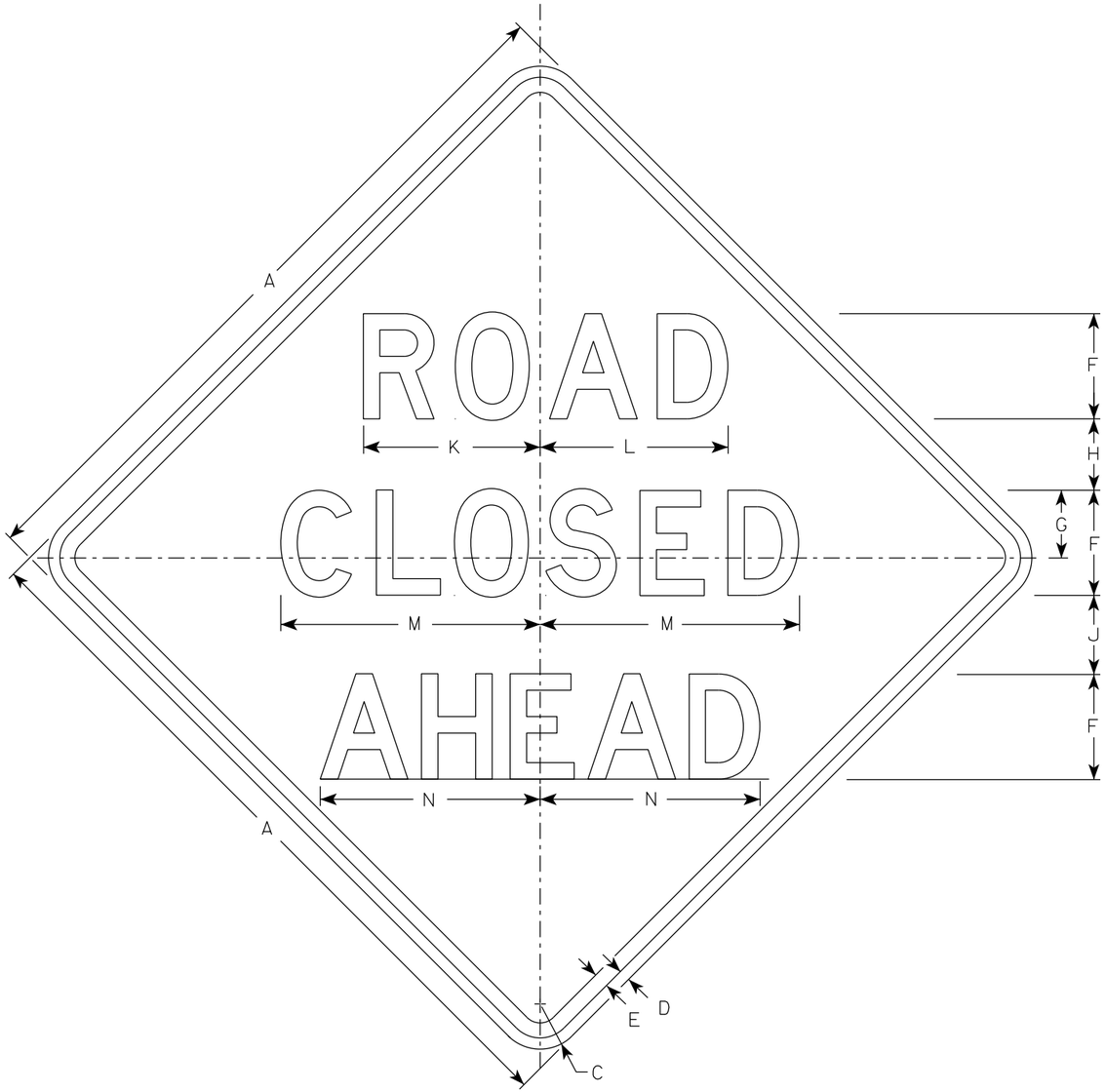
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

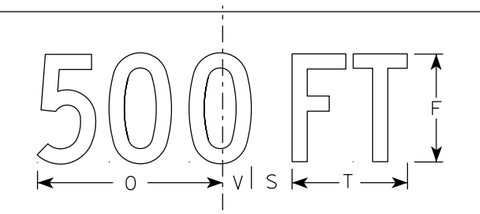
DATE 1/10/2024 PLATE NO. W20-2.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: E

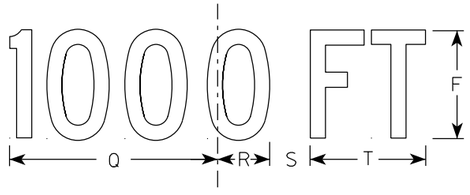
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W202.DGN PLOT DATE : 10-JAN 2024 11:36 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



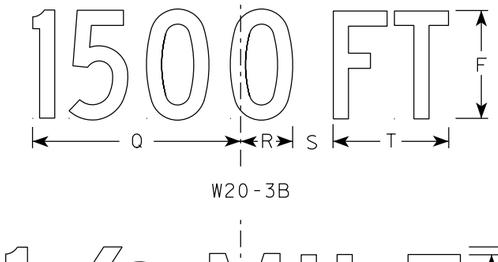
W20-3A



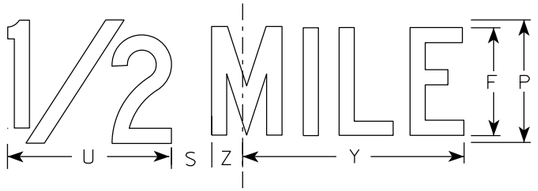
W20-3D



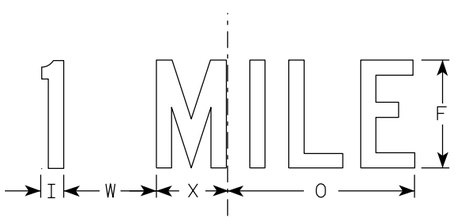
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-3.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W203.DGN PLOT DATE : 10-JAN 2024 12:02 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

7

DIVISION 1 - BEAM GUARD - LT

STATION	REAL STATION	DISTANCE	AREA (SF)						INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.15	MASS ORDINATE
									NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
249+31.55	24931.55	0.00	0.02	0.00	0.15	0.00	0.00	0.00	0	0	0	0	0	0
249+50.00	24950.00	18.45	1.31	0.00	0.20	0.00	0.00	0.00	0	0	0	0	0	0
250+00.00	25000.00	50.00	3.61	0.00	0.90	0.00	0.00	0.00	5	0	1	5	1	4
250+50.00	25050.00	50.00	6.93	0.00	0.60	0.00	0.00	0.00	10	0	1	15	2	13
250+50.62	25050.62	0.62	6.97	0.00	0.61	0.00	0.00	0.00	0	0	0	15	2	13
250+75.60	25075.60	24.98	4.90	0.00	0.16	0.00	0.00	0.00	5	0	0	20	2	18
251+00.00	25100.00	24.40	1.74	0.00	0.20	0.00	0.00	0.00	3	0	0	23	2	21
251+00.58	25100.58	0.58	2.19	0.00	0.23	0.00	0.00	0.00	0	0	0	23	2	21
251+50.00	25150.00	49.42	2.12	0.00	0.16	0.00	0.00	0.00	4	0	0	27	2	25
252+00.00	25200.00	50.00	1.95	0.00	0.65	0.00	0.00	0.00	4	0	1	31	3	28
252+50.00	25250.00	50.00	2.07	0.00	0.09	0.00	0.00	0.00	4	0	1	35	5	30
253+00.00	25300.00	50.00	1.95	0.00	0.16	0.00	0.00	0.00	4	0	0	39	5	34
253+50.00	25350.00	50.00	2.00	0.00	0.14	0.00	0.00	0.00	4	0	0	43	5	38
254+00.00	25400.00	50.00	1.94	0.00	0.19	0.00	0.00	0.00	4	0	0	47	5	42
254+50.00	25450.00	50.00	2.01	0.00	0.11	0.00	0.00	0.00	4	0	0	51	5	46
255+00.00	25500.00	50.00	2.32	0.00	0.02	0.00	0.00	0.00	4	0	0	55	5	50
255+50.00	25550.00	50.00	3.21	0.00	0.00	0.00	0.00	0.00	5	0	0	60	5	55
256+00.00	25600.00	50.00	3.23	0.00	0.00	0.00	0.00	0.00	6	0	0	66	5	61
256+50.00	25650.00	50.00	2.61	0.00	0.00	0.00	0.00	0.00	5	0	0	71	5	66
257+00.00	25700.00	50.00	2.76	0.00	0.00	0.00	0.00	0.00	5	0	0	76	5	71
257+50.00	25750.00	50.00	3.44	0.00	0.00	0.00	0.00	0.00	6	0	0	82	5	77
258+00.00	25800.00	50.00	3.01	0.00	0.00	0.00	0.00	0.00	6	0	0	88	5	83
258+50.00	25850.00	50.00	2.71	0.00	0.00	0.00	0.00	0.00	5	0	0	93	5	88
259+00.00	25900.00	50.00	3.73	0.00	0.00	0.00	0.00	0.00	6	0	0	99	5	94
259+50.00	25950.00	50.00	3.15	0.00	0.00	0.00	0.00	0.00	6	0	0	105	5	100
260+00.00	26000.00	50.00	2.56	0.00	0.00	0.00	0.00	0.00	5	0	0	110	5	105
260+50.00	26050.00	50.00	2.76	0.00	0.00	0.00	0.00	0.00	5	0	0	115	5	110
261+00.00	26100.00	50.00	2.86	0.00	0.00	0.00	0.00	0.00	5	0	0	120	5	115
261+50.00	26150.00	50.00	2.39	0.00	0.06	0.00	0.00	0.00	5	0	0	125	5	120
261+88.17	26188.17	38.17	2.82	0.00	0.00	0.00	0.00	0.00	4	0	0	129	5	124
262+00.00	26200.00	11.83	5.18	0.00	0.07	0.00	0.00	0.00	2	0	0	131	5	126
262+13.16	26213.16	13.16	5.61	0.00	0.17	0.00	0.00	0.00	3	0	0	134	5	129
262+38.14	26238.14	24.98	7.86	0.00	0.75	0.00	0.00	0.00	6	0	0	140	5	135
262+50.00	26250.00	11.86	7.17	0.00	0.10	0.00	0.00	0.00	3	0	0	143	5	138
263+00.00	26300.00	50.00	4.39	0.00	0.00	0.00	0.00	0.00	11	0	0	154	5	149
263+50.00	26350.00	50.00	0.56	0.00	0.06	0.00	0.00	0.00	5	0	0	159	5	154
263+57.21	26357.21	7.21	0.02	0.00	0.10	0.00	0.00	0.00	0	0	0	159	5	154

*Include this table for the earthwork data section. Do not include the notes from any other earthwork detail sheet in this excel file.

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
8 - MASS ORDINATE	PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDIACTES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

DIVISION 1 - BEAM GUARD - LT														
			AREA (SF)						INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
STATION	REAL STATION	DISTANCE	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.15	MASS ORDINATE NOTE 8
406+66.52	40666.52	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0	0	0	0	0	0
407+00.00	40700.00	33.48	1.14	0.00	0.00	0.00	0.00	0.00	1	0	0	1	0	1
407+42.71	40742.71	42.71	3.11	0.00	0.03	0.00	0.00	0.00	3	0	0	4	0	4
407+69.28	40769.28	26.57	12.16	0.00	0.00	0.00	0.00	0.00	8	0	0	12	0	12
408+00.00	40800.00	30.72	3.94	0.00	5.93	0.00	0.00	0.00	9	0	3	21	3	18
408+11.88	40811.88	11.88	5.62	0.00	4.64	0.00	0.00	0.00	2	0	2	23	6	17
408+16.28	40816.28	4.40	6.42	0.00	4.16	0.00	0.00	0.00	1	0	1	24	7	17
408+37.14	40837.14	20.86	9.77	0.00	1.17	0.00	0.00	0.00	6	0	2	30	9	21
408+41.06	40841.06	3.92	9.21	0.00	1.13	0.00	0.00	0.00	1	0	0	31	9	22
408+61.97	40861.97	20.91	7.68	0.00	0.03	0.00	0.00	0.00	7	0	0	38	9	29
408+66.04	40866.04	4.07	7.27	0.00	0.10	0.00	0.00	0.00	1	0	0	39	9	30
409+00.00	40900.00	33.96	7.58	0.00	0.00	0.00	0.00	0.00	9	0	0	48	9	39
409+11.95	40911.95	11.95	6.80	0.00	1.46	0.00	0.00	0.00	3	0	0	51	9	42
409+32.48	40932.48	20.53	3.68	0.00	0.04	0.00	0.00	0.00	4	0	1	55	10	45
409+66.19	40966.19	33.71	6.68	0.00	0.12	0.00	0.00	0.00	6	0	0	61	10	51
409+79.44	40979.44	13.25	6.64	0.00	0.08	0.00	0.00	0.00	3	0	0	64	10	54
410+00.00	41000.00	20.56	7.74	0.00	0.04	0.00	0.00	0.00	5	0	0	69	10	59
410+26.89	41026.89	26.89	12.93	0.00	0.00	0.00	0.00	0.00	10	0	0	79	10	69
411+00.00	41100.00	73.11	5.00	0.00	0.38	0.00	0.00	0.00	24	0	1	103	12	92
411+54.65	41154.65	54.65	0.67	0.00	3.77	0.00	0.00	0.00	6	0	4	109	16	93

DIVISION 1 - BEAM GUARD - LT														
			AREA (SF)						INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
STATION	REAL STATION	DISTANCE	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.15	MASS ORDINATE NOTE 8
414+34.00	41434.00	0.00	0.04	0.00	0.07	0.00	0.00	0.00	0	0	0	0	0	0
414+44.00	41444.00	10.00	1.13	0.00	0.09	0.00	0.00	0.00	0	0	0	0	0	0
415+00.00	41500.00	56.00	6.11	0.00	0.02	0.00	0.00	0.00	8	0	0	8	0	8
415+35.35	41535.35	35.35	8.05	0.00	0.00	0.00	0.00	0.00	9	0	0	17	0	17
415+83.61	41583.61	48.26	9.87	0.00	0.94	0.00	0.00	0.00	16	0	1	33	1	32
415+93.88	41593.88	10.27	9.26	0.00	0.43	0.00	0.00	0.00	4	0	0	37	1	36
416+00.00	41600.00	6.12	9.18	0.00	0.09	0.00	0.00	0.00	2	0	0	39	1	38
416+08.80	41608.80	8.80	8.69	0.00	0.00	0.00	0.00	0.00	3	0	0	42	1	41
416+18.68	41618.68	9.88	7.80	0.00	0.00	0.00	0.00	0.00	3	0	0	45	1	44
416+33.96	41633.96	15.28	6.84	0.00	0.24	0.00	0.00	0.00	4	0	0	49	1	48
416+43.49	41643.49	9.53	6.74	0.00	1.21	0.00	0.00	0.00	2	0	0	51	1	50
416+74.00	41674.00	30.51	2.61	0.00	8.90	0.00	0.00	0.00	5	0	6	56	8	48
417+00.00	41700.00	26.00	5.52	0.00	1.05	0.00	0.00	0.00	4	0	5	60	14	46
417+40.30	41740.30	40.30	10.04	0.00	0.04	0.00	0.00	0.00	12	0	1	72	15	57
417+49.71	41749.71	9.41	10.53	0.00	0.05	0.00	0.00	0.00	4	0	0	76	15	61
417+65.29	41765.29	15.58	12.45	0.00	0.02	0.00	0.00	0.00	7	0	0	83	15	68
417+74.82	41774.82	9.53	13.52	0.00	0.00	0.00	0.00	0.00	5	0	0	88	15	73
417+90.13	41790.13	15.31	16.44	0.00	0.00	0.00	0.00	0.00	8	0	0	96	15	81
418+00.00	41800.00	9.87	14.62	0.00	0.00	0.00	0.00	0.00	6	0	0	102	15	87
419+00.00	41900.00	100.00	2.49	0.00	0.87	0.00	0.00	0.00	32	0	2	134	17	117
419+26.46	41926.46	26.46	0.75	0.00	0.92	0.00	0.00	0.00	2	0	1	136	18	118
419+37.28	41937.28	10.82	0.01	0.00	0.88	0.00	0.00	0.00	0	0	0	136	18	118

DIVISION 1 - BEAM GUARD - LT

STATION	REAL STATION	DISTANCE	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	CUT 1.00 NOTE 1	EXPANDED FILL 1.15	MASS ORDINATE NOTE 8
431+61.99	43161.99	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0
431+87.68	43187.68	25.69	1.99	0.00	0.00	0.00	0.00	0.00	1	0	0	1	0	1
432+00.00	43200.00	12.32	2.90	0.00	0.00	0.00	0.00	0.00	1	0	0	2	0	2
432+10.00	43210.00	10.00	5.31	0.00	9.46	0.00	0.00	0.00	2	0	2	4	2	2
432+39.00	43239.00	29.00	8.02	0.00	0.00	0.00	0.00	0.00	7	0	5	11	8	3
432+75.00	43275.00	36.00	1.63	0.00	0.09	0.00	0.00	0.00	6	0	0	17	8	9
433+00.00	43300.00	25.00	6.43	0.00	0.03	0.00	0.00	0.00	4	0	0	21	8	13
433+22.27	43322.27	22.27	6.86	0.00	0.01	0.00	0.00	0.00	5	0	0	26	8	18
433+25.39	43325.39	3.12	6.91	0.00	0.01	0.00	0.00	0.00	1	0	0	27	8	19
433+30.69	43330.69	5.30	7.34	0.00	0.01	0.00	0.00	0.00	1	0	0	28	8	20
433+50.38	43350.38	19.69	8.54	0.00	0.01	0.00	0.00	0.00	6	0	0	34	8	26
433+75.37	43375.37	24.99	9.55	0.00	0.18	0.00	0.00	0.00	8	0	0	42	8	34
434+00.00	43400.00	24.63	7.45	0.00	0.87	0.00	0.00	0.00	8	0	0	50	8	42
435+00.00	43500.00	100.00	1.86	0.00	0.12	0.00	0.00	0.00	17	0	2	67	10	57
435+24.46	43524.46	24.46	0.01	0.00	0.27	0.00	0.00	0.00	1	0	0	68	10	58

DIVISION 1 - BEAM GUARD - LT

STATION	REAL STATION	DISTANCE	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	CUT 1.00 NOTE 1	EXPANDED FILL 1.15	MASS ORDINATE NOTE 8
448+94.25	44894.25	0.00	0.02	0.00	0.17	0.00	0.00	0.00	0	0	0	0	0	0
449+00.00	44900.00	5.75	0.45	0.00	0.64	0.00	0.00	0.00	0	0	0	0	0	0
450+00.00	45000.00	100.00	7.05	0.00	0.10	0.00	0.00	0.00	14	0	1	14	1	13
450+43.34	45043.34	43.34	9.64	0.00	0.86	0.00	0.00	0.00	13	0	1	27	2	25
450+68.14	45068.14	24.80	7.48	0.00	1.42	0.00	0.00	0.00	8	0	1	35	3	32
450+93.12	45093.12	24.98	6.45	0.00	1.07	0.00	0.00	0.00	6	0	1	41	5	36
451+00.00	45100.00	6.88	6.60	0.00	1.35	0.00	0.00	0.00	2	0	0	43	5	38
451+33.93	45133.93	33.93	4.09	0.00	0.00	0.00	0.00	0.00	7	0	1	50	6	44

DIVISION 1 - BEAM GUARD - LT

STATION	REAL STATION	DISTANCE	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	CUT 1.00 NOTE 1	EXPANDED FILL 1.15	MASS ORDINATE NOTE 8
452+80.91	45280.91	0.00	6.36	0.00	0.17	0.00	0.00	0.00	0	0	0	0	0	0
453+00.00	45300.00	19.09	7.75	0.00	1.62	0.00	0.00	0.00	5	0	1	5	1	4
453+21.08	45321.08	21.08	7.50	0.00	0.94	0.00	0.00	0.00	6	0	1	11	2	9
453+46.07	45346.07	24.99	8.86	0.00	2.56	0.00	0.00	0.00	8	0	2	19	5	14
453+71.05	45371.05	24.98	11.02	0.00	9.09	0.00	0.00	0.00	9	0	5	28	10	18
454+00.00	45400.00	28.95	5.30	0.00	0.00	0.00	0.00	0.00	9	0	5	37	16	21
454+57.60	45457.60	57.60	4.43	0.00	1.83	0.00	0.00	0.00	10	0	2	47	18	29
455+34.25	45534.25	76.65	0.01	0.00	1.55	0.00	0.00	0.00	6	0	5	53	24	29

DIVISION 1 - BEAM GUARD - LT

STATION	REAL STATION	DISTANCE	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	CUT 1.00 NOTE 1	EXPANDED FILL 1.15	MASS ORDINATE NOTE 8
491+30.56	49130.56	0.00	0.00	0.00	2.38	0.00	0.00	0.00	0	0	0	0	0	0
492+00.00	49200.00	69.44	4.69	0.00	0.00	0.00	0.00	0.00	6	0	3	6	3	3
492+16.29	49216.29	16.29	7.25	0.00	0.00	0.00	0.00	0.00	4	0	0	10	3	7
492+49.36	49249.36	33.07	16.84	0.00	0.46	0.00	0.00	0.00	15	0	0	25	3	22
492+72.97	49272.97	23.61	7.66	0.00	0.00	0.00	0.00	0.00	11	0	0	36	3	33
492+96.56	49296.56	23.59	5.49	0.00	0.04	0.00	0.00	0.00	6	0	0	42	3	39
492+99.32	49299.32	2.76	3.06	0.00	0.00	0.00	0.00	0.00	0	0	0	42	3	39
493+00.00	49300.00	0.68	2.81	0.00	0.00	0.00	0.00	0.00	0	0	0	42	3	39
494+00.00	49400.00	100.00	2.52	0.00	0.02	0.00	0.00	0.00	10	0	0	52	3	49
495+00.00	49500.00	100.00	2.24	0.00	0.12	0.00	0.00	0.00	9	0	0	61	3	58
496+00.00	49600.00	100.00	2.46	0.00	0.01	0.00	0.00	0.00	9	0	0	70	3	67
496+03.24	49603.24	3.24	6.33	0.00	0.00	0.00	0.00	0.00	1	0	0	71	3	68
496+29.16	49629.16	25.92	6.27	0.00	1.78	0.00	0.00	0.00	6	0	1	77	5	72
496+55.14	49655.14	25.98	7.50	0.00	0.44	0.00	0.00	0.00	7	0	1	84	6	78
496+76.14	49676.14	21.00	15.51	0.00	0.00	0.00	0.00	0.00	9	0	0	93	6	87

DIVISION 2 - BEAM GUARD - RT

STATION	REAL STATION	DISTANCE	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	CUT 1.00 NOTE 1	EXPANDED FILL 1.15	MASS ORDINATE NOTE 8
406+62.14	40662.14	0.00	0.01	0.00	0.31	0.00	0.00	0.00	0	0	0	0	0	0
406+66.52	40666.52	4.38	0.08	0.00	0.38	0.00	0.00	0.00	0	0	0	0	0	0
407+00.00	40700.00	33.48	1.79	0.00	1.27	0.00	0.00	0.00	1	0	1	1	1	0
407+42.71	40742.71	42.71	5.05	0.00	0.00	0.00	0.00	0.00	5	0	1	6	2	4
407+69.28	40769.28	26.57	12.40	0.00	0.64	0.00	0.00	0.00	9	0	0	15	2	13
408+00.00	40800.00	30.72	12.42	0.00	0.01	0.00	0.00	0.00	14	0	0	29	2	27
408+11.88	40811.88	11.88	13.10	0.00	0.00	0.00	0.00	0.00	6	0	0	35	2	33
408+16.28	40816.28	4.40	12.92	0.00	0.00	0.00	0.00	0.00	2	0	0	37	2	35
408+37.14	40837.14	20.86	7.55	0.00	0.15	0.00	0.00	0.00	8	0	0	45	2	43
408+41.06	40841.06	3.92	7.53	0.00	0.00	0.00	0.00	0.00	1	0	0	46	2	44
408+61.97	40861.97	20.91	6.52	0.00	0.05	0.00	0.00	0.00	5	0	0	51	2	49
408+66.04	40866.04	4.07	5.35	0.00	0.59	0.00	0.00	0.00	1	0	0	52	2	50
409+00.00	40900.00	33.96	6.36	0.00	0.13	0.00	0.00	0.00	7	0	0	59	2	57
409+11.95	40911.95	11.95	6.19	0.00	0.00	0.00	0.00	0.00	3	0	0	62	2	60
409+32.48	40932.48	20.53	1.30	0.00	0.01	0.00	0.00	0.00	3	0	0	65	2	63
409+66.19	40966.19	33.71	1.88	0.00	0.00	0.00	0.00	0.00	2	0	0	67	2	65
409+79.44	40979.44	13.25	1.56	0.00	0.00	0.00	0.00	0.00	1	0	0	68	2	66

DIVISION 2 - BEAM GUARD - RT

STATION	REAL STATION	DISTANCE	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	CUT 1.00 NOTE 1	EXPANDED FILL 1.15	MASS ORDINATE NOTE 8
414+44.00	41444.00	0.00	0.01	0.00	0.24	0.00	0.00	0.00	0	0	0	0	0	0
415+00.00	41500.00	56.00	2.68	0.00	0.77	0.00	0.00	0.00	3	0	1	3	1	2
415+35.35	41535.35	35.35	4.78	0.00	0.51	0.00	0.00	0.00	5	0	1	8	2	6
415+83.61	41583.61	48.26	8.51	0.00	0.48	0.00	0.00	0.00	12	0	1	20	3	17
415+93.88	41593.88	10.27	9.64	0.00	0.61	0.00	0.00	0.00	3	0	0	23	3	20
416+00.00	41600.00	6.12	10.78	0.00	0.94	0.00	0.00	0.00	2	0	0	25	3	22
416+08.80	41608.80	8.80	10.18	0.00	0.03	0.00	0.00	0.00	3	0	0	28	3	25
416+18.68	41618.68	9.88	10.45	0.00	0.00	0.00	0.00	0.00	4	0	0	32	3	29
416+33.96	41633.96	15.28	12.20	0.00	0.00	0.00	0.00	0.00	6	0	0	38	3	35
416+43.49	41643.49	9.53	9.99	0.00	0.00	0.00	0.00	0.00	4	0	0	42	3	39
416+74.00	41674.00	30.51	6.42	0.00	0.44	0.00	0.00	0.00	9	0	0	51	3	48
417+00.00	41700.00	26.00	4.94	0.00	1.11	0.00	0.00	0.00	5	0	1	56	5	51
417+40.30	41740.30	40.30	6.86	0.00	0.46	0.00	0.00	0.00	9	0	1	65	6	59
417+49.71	41749.71	9.41	6.58	0.00	1.03	0.00	0.00	0.00	2	0	0	67	6	61
417+65.29	41765.29	15.58	6.90	0.00	0.81	0.00	0.00	0.00	4	0	1	71	7	64
417+74.82	41774.82	9.53	7.34	0.00	2.80	0.00	0.00	0.00	3	0	1	74	8	66
417+90.13	41790.13	15.31	9.11	0.00	0.19	0.00	0.00	0.00	5	0	1	79	9	70
418+00.00	41800.00	9.87	10.38	0.00	0.00	0.00	0.00	0.00	4	0	0	83	9	74
419+00.00	41900.00	100.00	3.26	0.00	0.21	0.00	0.00	0.00	25	0	0	108	9	99
419+26.46	41926.46	26.46	1.70	0.00	0.05	0.00	0.00	0.00	2	0	0	110	9	101

DIVISION 2 - BEAM GUARD - RT

STATION	REAL STATION	DISTANCE	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	CUT 1.00 NOTE 1	EXPANDED FILL 1.15	MASS ORDINATE NOTE 8
430+76.28	43076.28	0.00	6.71	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0
431+00.00	43100.00	23.72	7.81	0.00	0.00	0.00	0.00	0.00	6	0	0	6	0	6
431+36.27	43136.27	36.27	10.22	0.00	0.04	0.00	0.00	0.00	12	0	0	18	0	18
431+61.99	43161.99	25.72	8.30	0.00	0.00	0.00	0.00	0.00	9	0	0	27	0	27
431+87.68	43187.68	25.69	7.46	0.00	0.00	0.00	0.00	0.00	7	0	0	34	0	34
432+00.00	43200.00	12.32	8.24	0.00	0.00	0.00	0.00	0.00	4	0	0	38	0	38
432+10.00	43210.00	10.00	8.45	0.00	0.00	0.00	0.00	0.00	3	0	0	41	0	41
432+39.00	43239.00	29.00	1.55	0.00	0.01	0.00	0.00	0.00	5	0	0	46	0	46
432+75.00	43275.00	36.00	3.23	0.00	0.00	0.00	0.00	0.00	3	0	0	49	0	49
433+00.00	43300.00	25.00	3.11	0.00	0.00	0.00	0.00	0.00	3	0	0	52	0	52
433+22.27	43322.27	22.27	0.79	0.00	0.00	0.00	0.00	0.00	2	0	0	54	0	54
433+25.39	43325.39	3.12	0.48	0.00	0.00	0.00	0.00	0.00	0	0	0	54	0	54
433+30.69	43330.69	5.30	0.08	0.00	0.00	0.00	0.00	0.00	0	0	0	54	0	54

DIVISION 1 - BEAM GUARD - LT

STATION	REAL STATION	DISTANCE	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	CUT 1.00 NOTE 1	EXPANDED FILL 1.15	MASS ORDINATE NOTE 8
448+94.25	44894.25	0.00	0.02	0.00	0.17	0.00	0.00	0.00	0	0	0	0	0	0
449+00.00	44900.00	5.75	0.45	0.00	0.64	0.00	0.00	0.00	0	0	0	0	0	0
450+00.00	45000.00	100.00	7.05	0.00	0.10	0.00	0.00	0.00	14	0	1	14	1	13
450+43.34	45043.34	43.34	9.64	0.00	0.86	0.00	0.00	0.00	13	0	1	27	2	25
450+68.14	45068.14	24.80	7.48	0.00	1.42	0.00	0.00	0.00	8	0	1	35	3	32
450+93.12	45093.12	24.98	6.45	0.00	1.07	0.00	0.00	0.00	6	0	1	41	5	36
451+00.00	45100.00	6.88	6.60	0.00	1.35	0.00	0.00	0.00	2	0	0	43	5	38
451+33.93	45133.93	33.93	4.09	0.00	0.00	0.00	0.00	0.00	7	0	1	50	6	44

DIVISION 2 - BEAM GUARD - RT

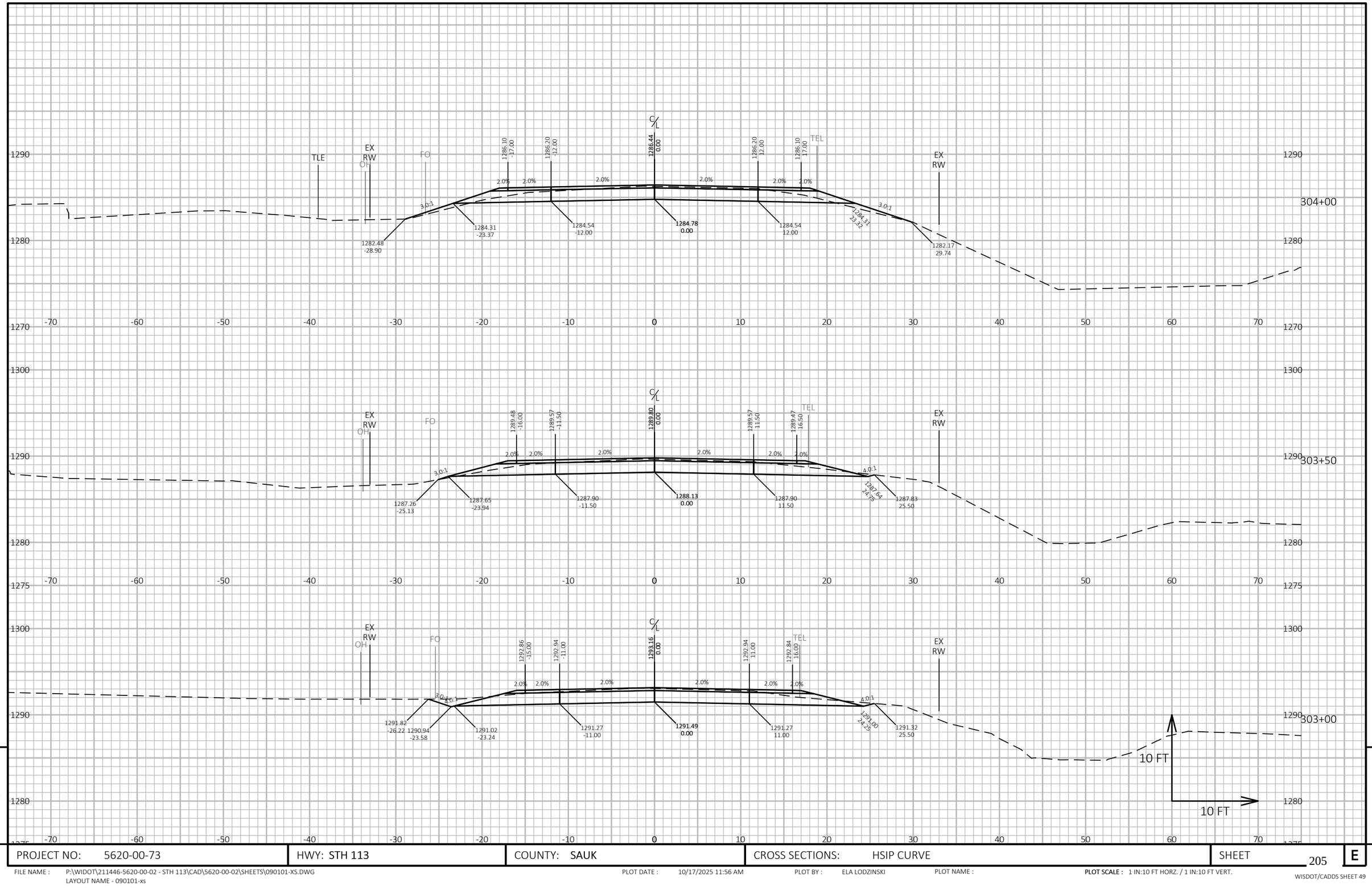
STATION	REAL STATION	DISTANCE	AREA (SF)						INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.15	MASS ORDINATE NOTE 8
452+80.91	45280.91	0.00	6.10	0.00	13.36	0.00	0.00	0.00	0	0	0	0	0	0
453+00.00	45300.00	19.09	6.01	0.00	0.12	0.00	0.00	0.00	4	0	5	4	6	-2
453+21.08	45321.08	21.08	7.54	0.00	0.00	0.00	0.00	0.00	5	0	0	9	6	3
453+46.07	45346.07	24.99	8.37	0.00	0.00	0.00	0.00	0.00	7	0	0	16	6	10
453+71.05	45371.05	24.98	4.39	0.00	0.00	0.00	0.00	0.00	6	0	0	22	6	16
454+00.00	45400.00	28.95	4.02	0.00	0.00	0.00	0.00	0.00	5	0	0	27	6	21
454+57.60	45457.60	57.60	0.09	0.00	0.00	0.00	0.00	0.00	4	0	0	31	6	25

DIVISION 3 - HSIP CURVE

STATION	REAL STATION	DISTANCE	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	CUT 1.00 NOTE 1	EXPANDED FILL 1.15	MASS ORDINATE NOTE 8
303+00.00	30300.00	0.00	61.28	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0
303+50.00	30350.00	50.00	54.66	0.00	0.19	0.00	0.00	0.00	107	0	0	107	0	107
304+00.00	30400.00	50.00	49.07	0.00	4.34	0.00	0.00	0.00	96	0	4	203	5	198
304+50.00	30450.00	50.00	55.06	0.00	0.15	0.00	0.00	0.00	96	0	4	299	9	290
305+00.00	30500.00	50.00	52.73	0.00	0.71	0.00	0.00	0.00	100	0	1	399	10	389
305+50.00	30550.00	50.00	52.61	0.00	0.59	0.00	0.00	0.00	98	0	1	497	12	486
306+00.00	30600.00	50.00	46.57	0.00	0.64	0.00	0.00	0.00	92	0	1	589	13	576
306+50.00	30650.00	50.00	41.32	0.00	1.09	0.00	0.00	0.00	81	0	2	670	15	655
307+00.00	30700.00	50.00	48.56	0.00	0.79	0.00	0.00	0.00	83	0	2	753	17	736
307+50.00	30750.00	50.00	75.05	0.00	3.34	0.00	0.00	0.00	114	0	4	867	22	845
308+00.00	30800.00	50.00	79.33	0.00	0.46	0.00	0.00	0.00	143	0	4	1,010	26	984
308+50.00	30850.00	50.00	75.04	0.00	0.04	0.00	0.00	0.00	143	0	0	1,153	26	1,127
309+00.00	30900.00	50.00	63.18	0.00	1.47	0.00	0.00	0.00	128	0	1	1,281	28	1,253
309+50.00	30950.00	50.00	56.44	0.00	1.94	0.00	0.00	0.00	111	0	3	1,392	31	1,361
310+00.00	31000.00	50.00	48.52	0.00	6.84	0.00	0.00	0.00	97	0	8	1,489	40	1,449
310+32.00	31032.00	32.00	55.29	0.00	9.09	0.00	0.00	0.00	62	0	9	1,551	51	1,500
310+50.00	31050.00	18.00	45.01	0.00	3.44	0.00	0.00	0.00	33	0	4	1,584	55	1,529
311+00.00	31100.00	50.00	65.61	0.00	1.27	0.00	0.00	0.00	102	0	4	1,686	60	1,626
311+50.00	31150.00	50.00	89.96	0.00	4.67	0.00	0.00	0.00	144	0	5	1,830	66	1,764
312+00.00	31200.00	50.00	90.31	0.00	3.28	0.00	0.00	0.00	167	0	7	1,997	74	1,923
312+50.00	31250.00	50.00	90.95	0.00	4.11	0.00	0.00	0.00	168	0	7	2,165	82	2,083
313+00.00	31300.00	50.00	74.40	0.00	5.18	0.00	0.00	0.00	153	0	9	2,318	92	2,226
313+50.00	31350.00	50.00	62.11	0.00	3.28	0.00	0.00	0.00	126	0	8	2,444	101	2,343
314+00.00	31400.00	50.00	62.85	0.00	0.42	0.00	0.00	0.00	116	0	3	2,560	105	2,455
314+50.00	31450.00	50.00	69.00	0.00	1.00	0.00	0.00	0.00	122	0	1	2,682	106	2,576
315+00.00	31500.00	50.00	64.71	0.00	0.04	0.00	0.00	0.00	124	0	1	2,806	107	2,699
315+50.00	31550.00	50.00	64.08	0.00	0.12	0.00	0.00	0.00	119	0	0	2,925	107	2,818

DIVISION 4 - PATH SECTION

STATION	REAL STATION	DISTANCE	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	CUT 1.00 NOTE 1	EXPANDED FILL 1.15	MASS ORDINATE NOTE 8
497+50.00	49750.00	0.00	16.47	0.00	0.80	0.00	0.00	0.00	0	0	0	0	0	0
497+93.46	49793.46	43.46	14.96	0.00	2.55	0.00	0.00	0.00	25	0	3	25	3	22
498+00.00	49800.00	6.54	15.08	0.00	2.10	0.00	0.00	0.00	4	0	1	29	5	24
498+50.00	49850.00	50.00	19.18	0.00	0.08	0.00	0.00	0.00	32	0	2	61	7	54
499+00.00	49900.00	50.00	30.68	0.00	0.33	0.00	0.00	0.00	46	0	0	107	7	100
499+50.00	49950.00	50.00	24.46	0.00	1.96	0.00	0.00	0.00	51	0	2	158	9	149
499+93.67	49993.67	43.67	21.55	0.00	11.55	0.00	0.00	0.00	37	0	11	195	22	173
500+00.00	50000.00	6.33	21.86	0.00	10.95	0.00	0.00	0.00	5	0	3	200	25	175
500+11.86	50011.86	11.86	22.39	0.00	7.34	0.00	0.00	0.00	10	0	4	210	30	180
500+50.00	50050.00	38.14	20.65	0.00	9.27	0.00	0.00	0.00	30	0	12	240	44	196
501+00.00	50100.00	50.00	19.10	0.00	20.62	0.00	0.00	0.00	37	0	28	277	76	201
501+50.00	50150.00	50.00	23.77	0.00	4.32	0.00	0.00	0.00	40	0	23	317	102	215
502+00.00	50200.00	50.00	30.15	0.00	0.50	0.00	0.00	0.00	50	0	4	367	107	260
502+45.81	50245.81	45.81	29.98	0.00	1.09	0.00	0.00	0.00	51	0	1	418	108	310

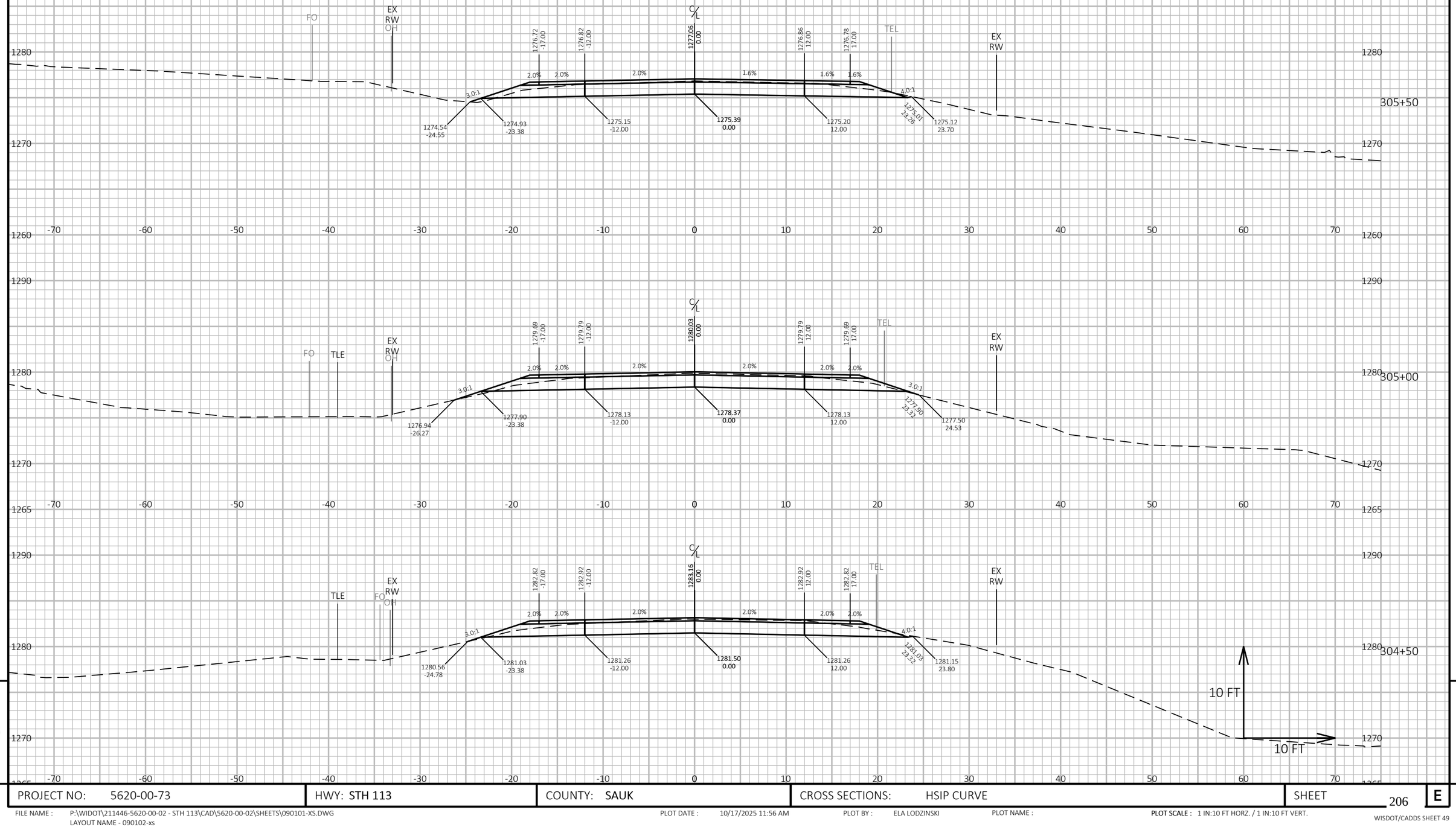


PROJECT NO: 5620-00-73	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: HSIP CURVE	SHEET 205	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090101-XS.DWG
LAYOUT NAME - 090101-xs

PLOT DATE : 10/17/2025 11:56 AM PLOT BY : ELA LODZINSKI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

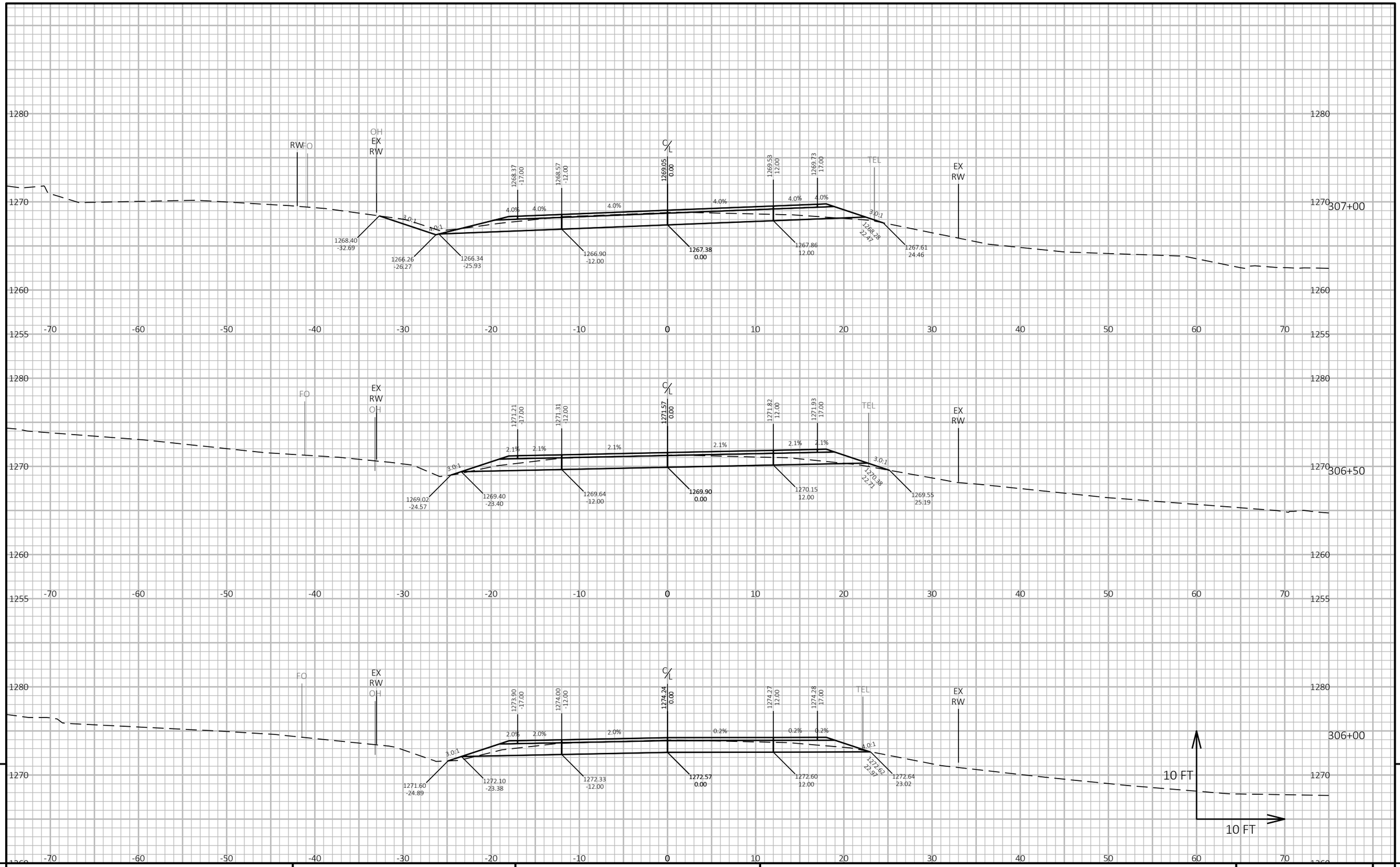
9

PROJECT NO: 5620-00-73	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: HSIP CURVE	SHEET 206	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090101-XS.DWG
LAYOUT NAME - 090102-xs

PLOT DATE : 10/17/2025 11:56 AM PLOT BY : ELA LODZINSKI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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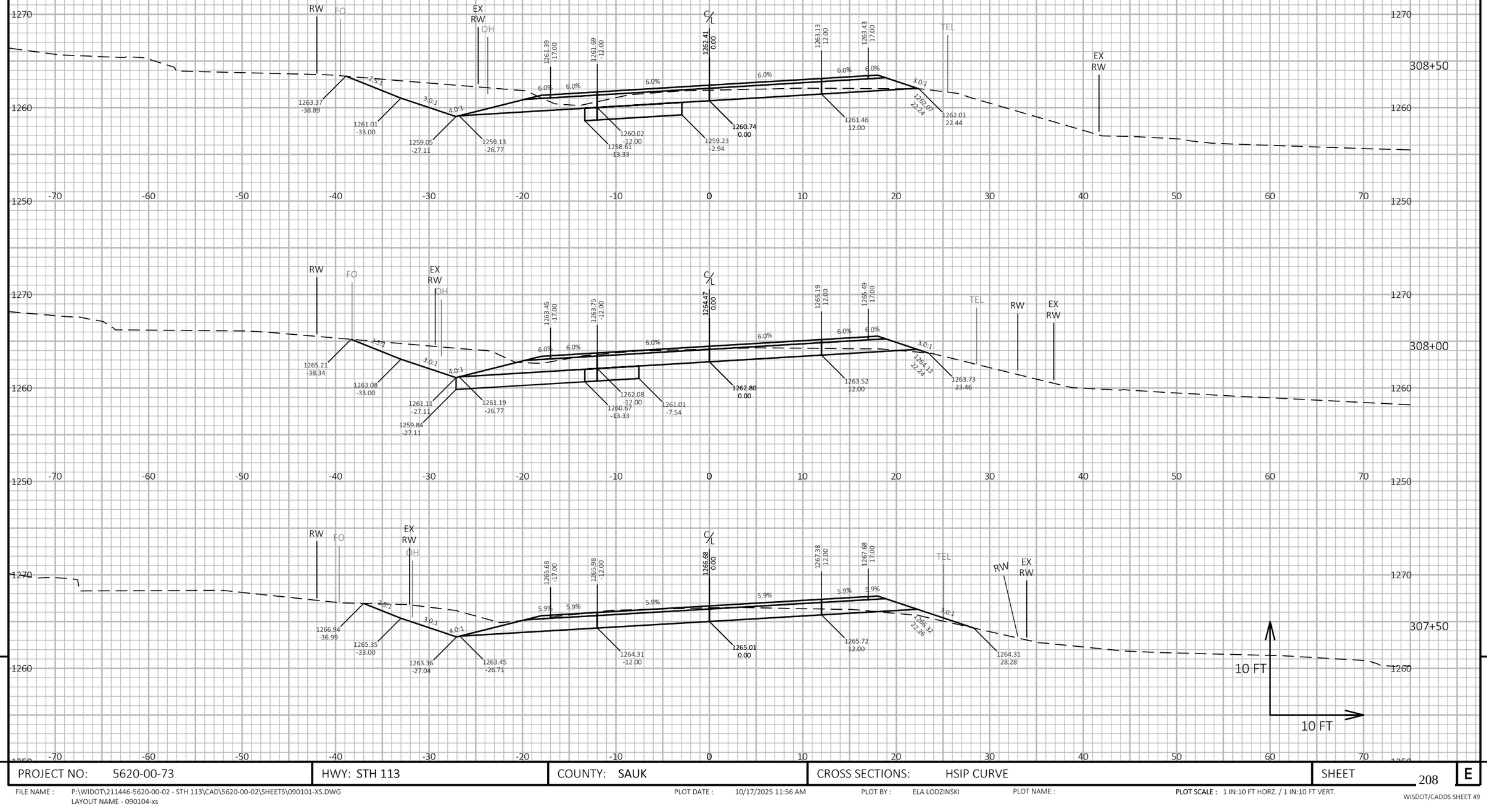
PROJECT NO: 5620-00-73	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: HSIP CURVE	SHEET 207	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090101-XS.DWG
LAYOUT NAME - 090103-xs

PLOT DATE : 10/17/2025 11:56 AM PLOT BY : ELA LODZINSKI PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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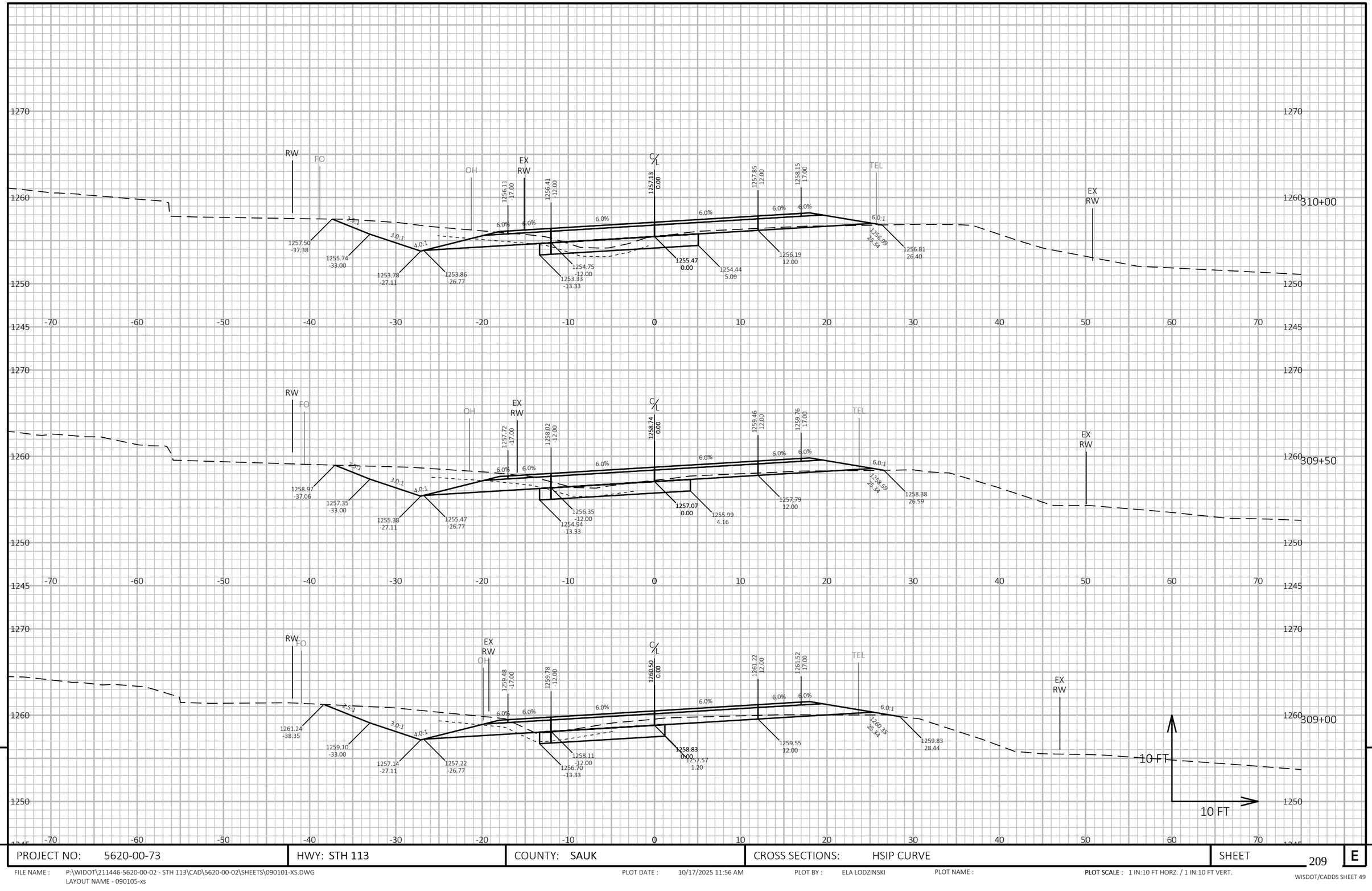
PROJECT NO: 5620-00-73	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: HSIP CURVE	SHEET 208	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090101-XS.DWG
LAYOUT NAME - 090104-xs

PLOT DATE : 10/17/2025 11:56 AM PLOT BY : ELA LODZINSKI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

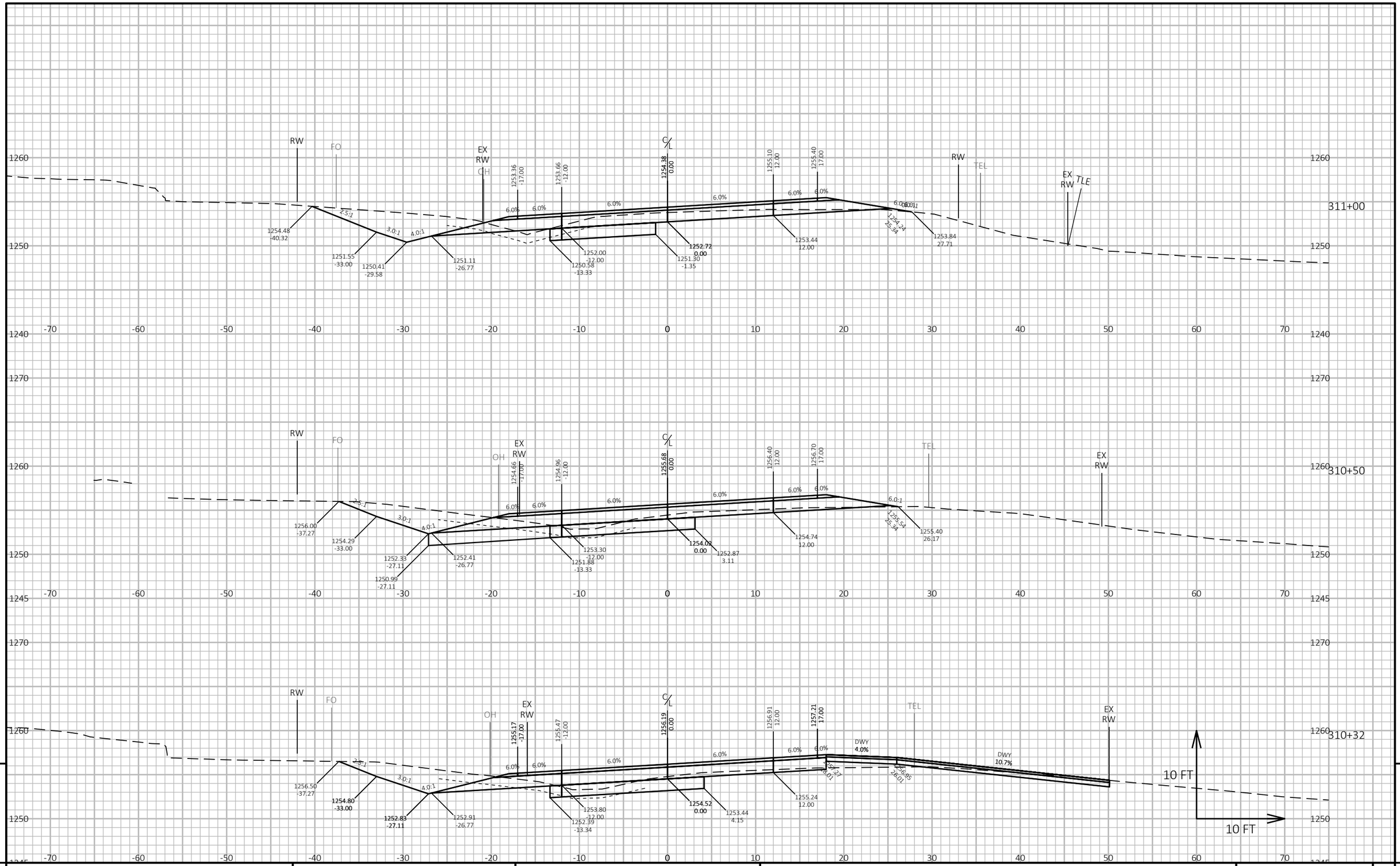


PROJECT NO: 5620-00-73	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: HSIP CURVE	SHEET 209	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090101-XS.DWG
LAYOUT NAME - 090105-xs

PLOT DATE : 10/17/2025 11:56 AM PLOT BY : ELA LODZINSKI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5620-00-73	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: HSIP CURVE	SHEET 210	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090101-XS.DWG
LAYOUT NAME - 090106-xs

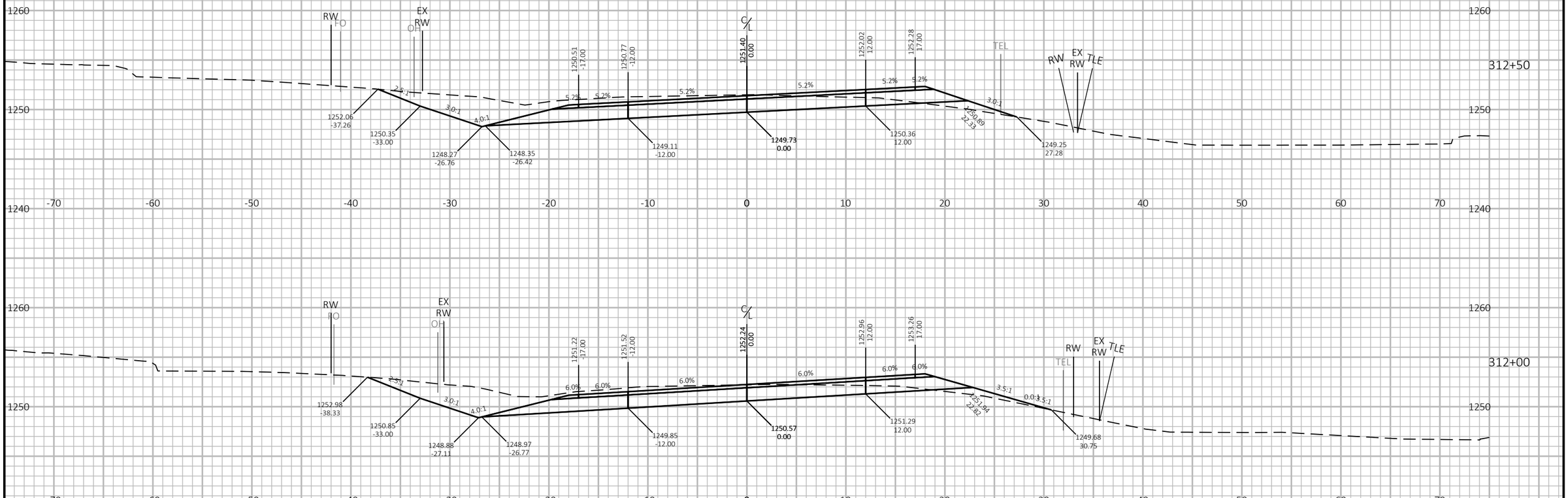
PLOT DATE : 10/17/2025 11:57 AM

PLOT BY : ELA LODZINSKI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



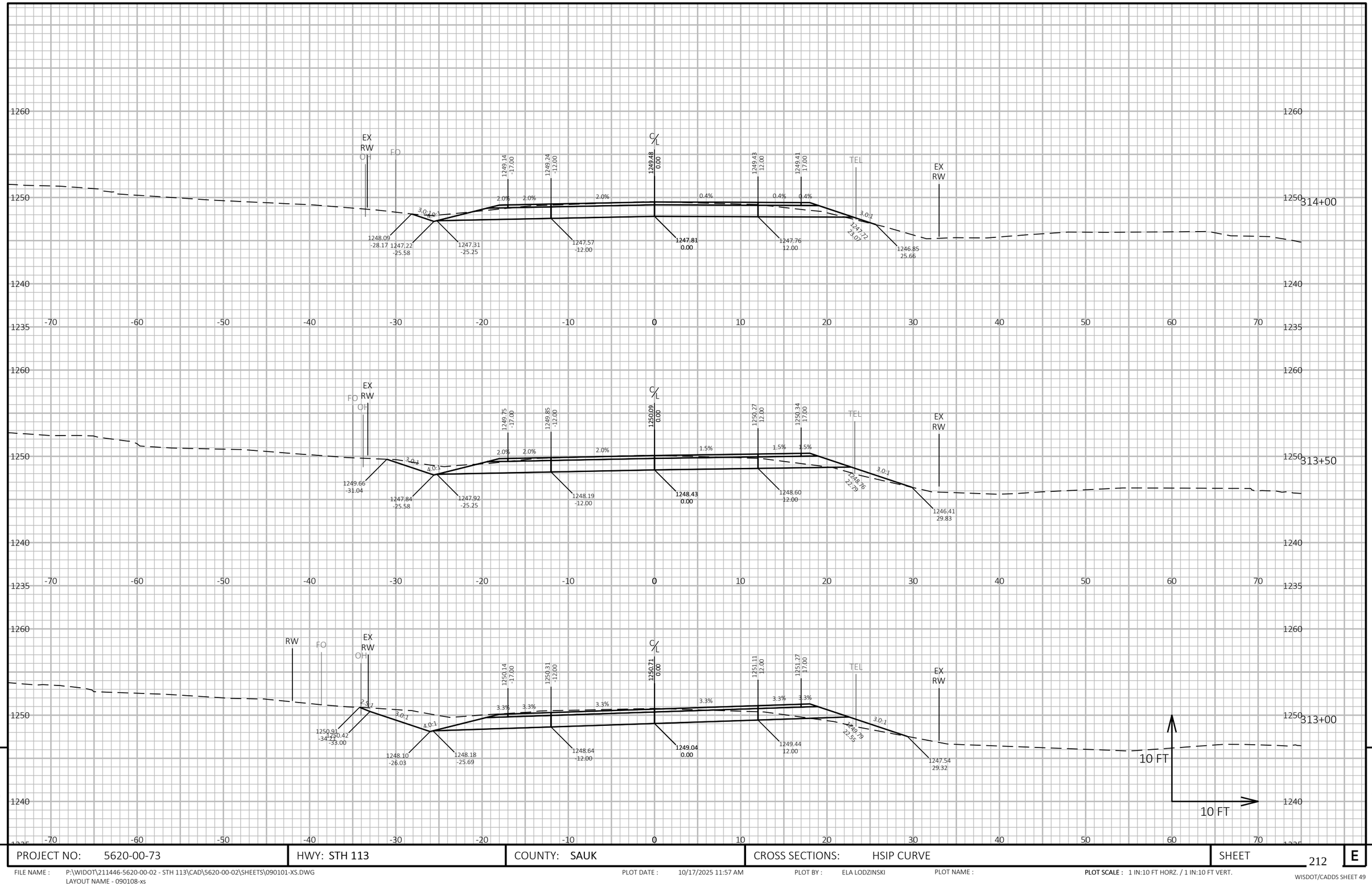
PROJECT NO: 5620-00-73	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: HSIP CURVE	SHEET 211	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090101-XS.DWG
LAYOUT NAME - 090107-xs

PLOT DATE : 10/17/2025 11:57 AM PLOT BY : ELA LODZINSKI PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

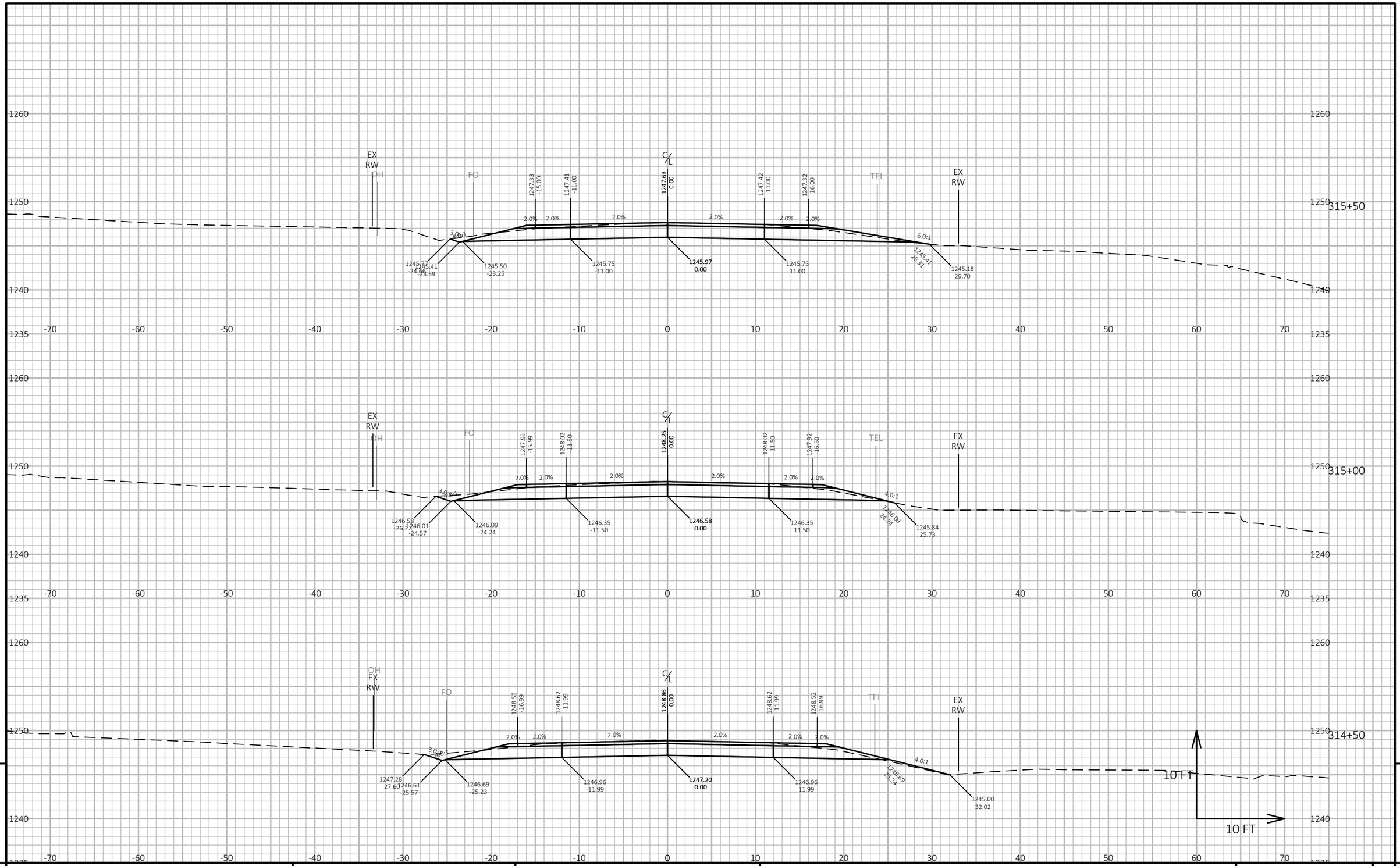


PROJECT NO: 5620-00-73	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: HSIP CURVE	SHEET 212	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090101-XS.DWG
LAYOUT NAME - 090108-xs

PLOT DATE : 10/17/2025 11:57 AM PLOT BY : ELA LODZINSKI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5620-00-73	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: HSIP CURVE	SHEET 213	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090101-XS.DWG
LAYOUT NAME - 090109-xs

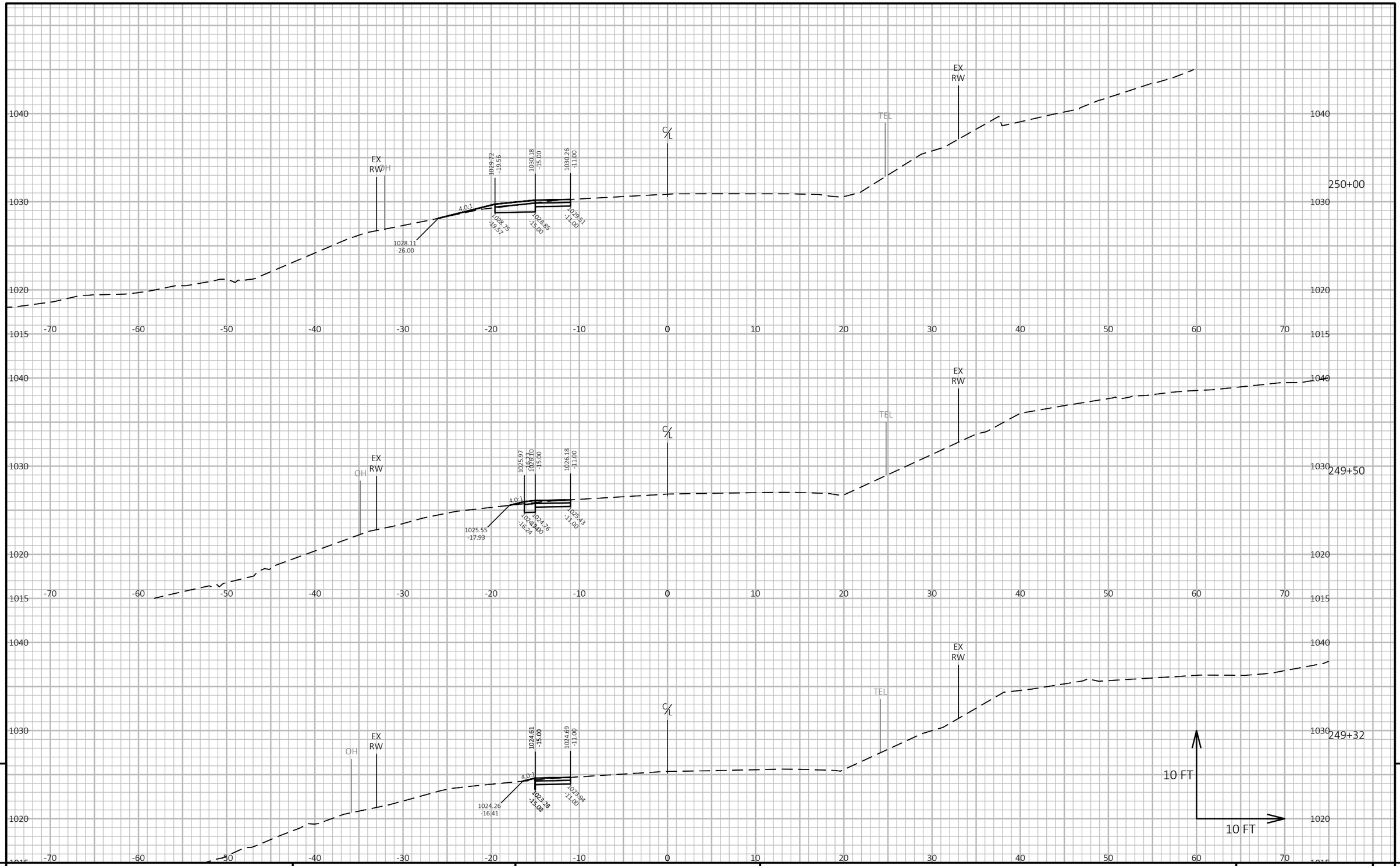
PLOT DATE : 10/17/2025 11:57 AM

PLOT BY : ELA LODZINSKI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 214	E

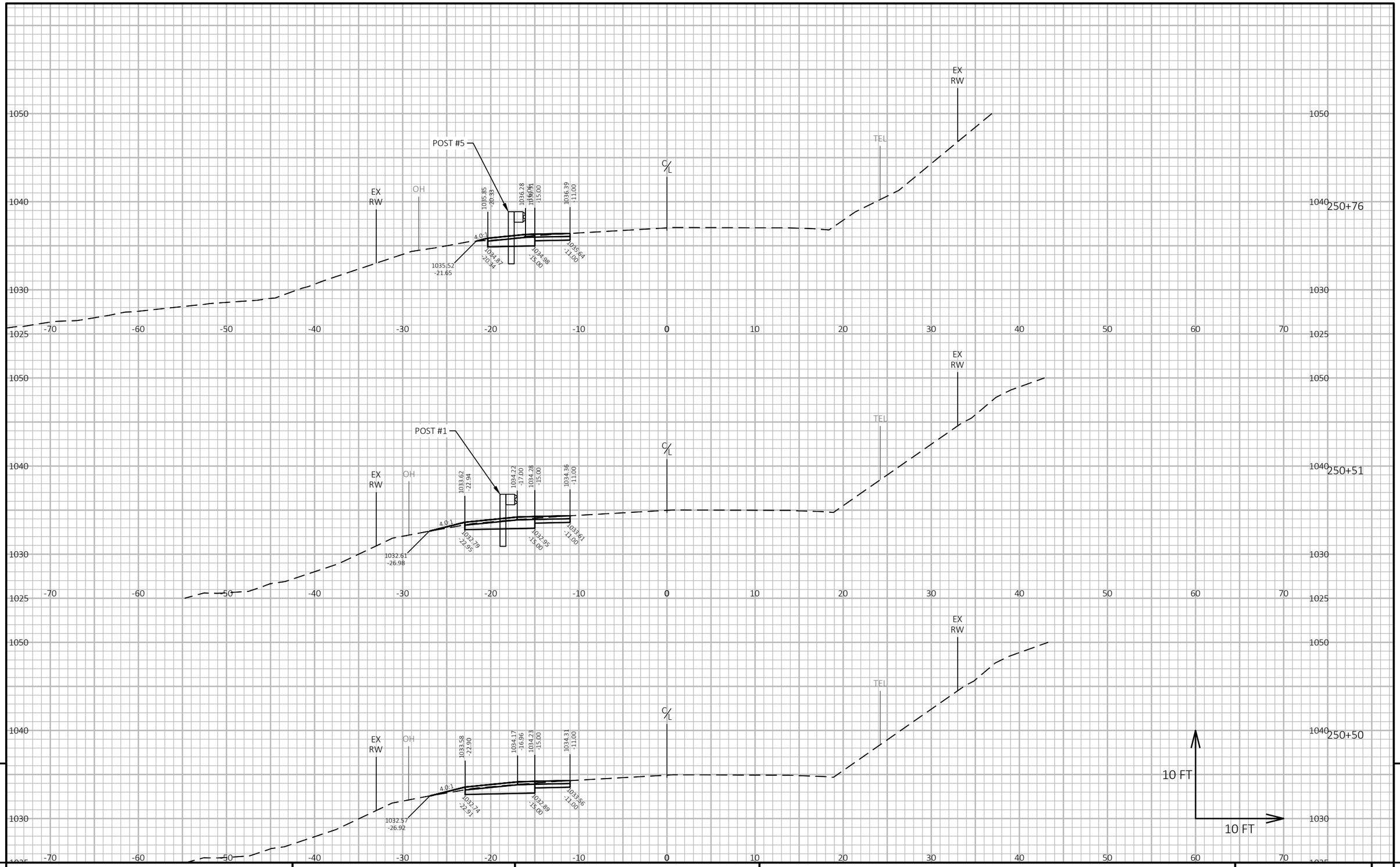
9

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 01

PLOT DATE : 10/17/2025 12:58 PM PLOT BY : ELA LODZINSKI PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

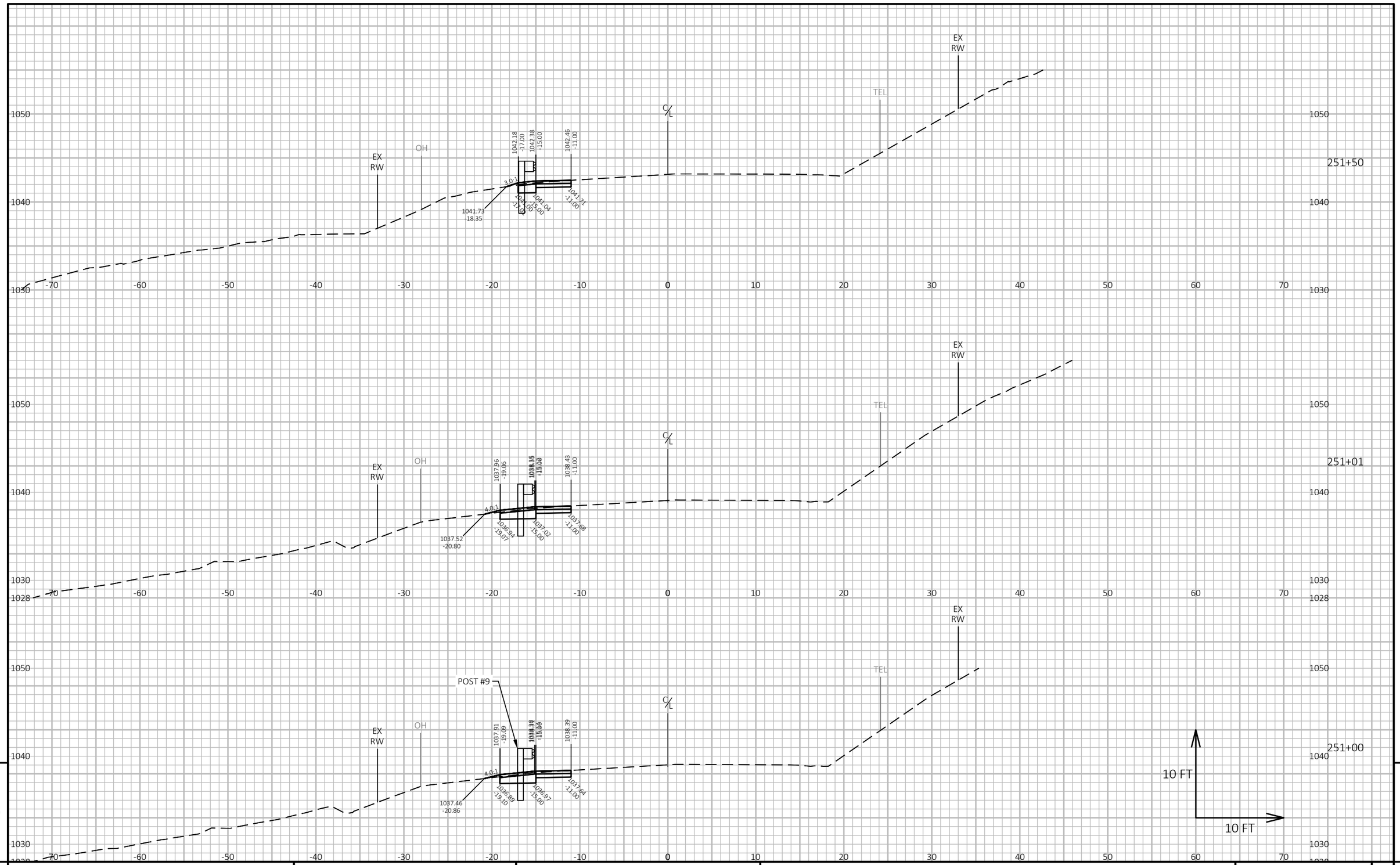


PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 215	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 02

PLOT DATE : 10/17/2025 12:58 PM PLOT BY : ELA LODZINSKI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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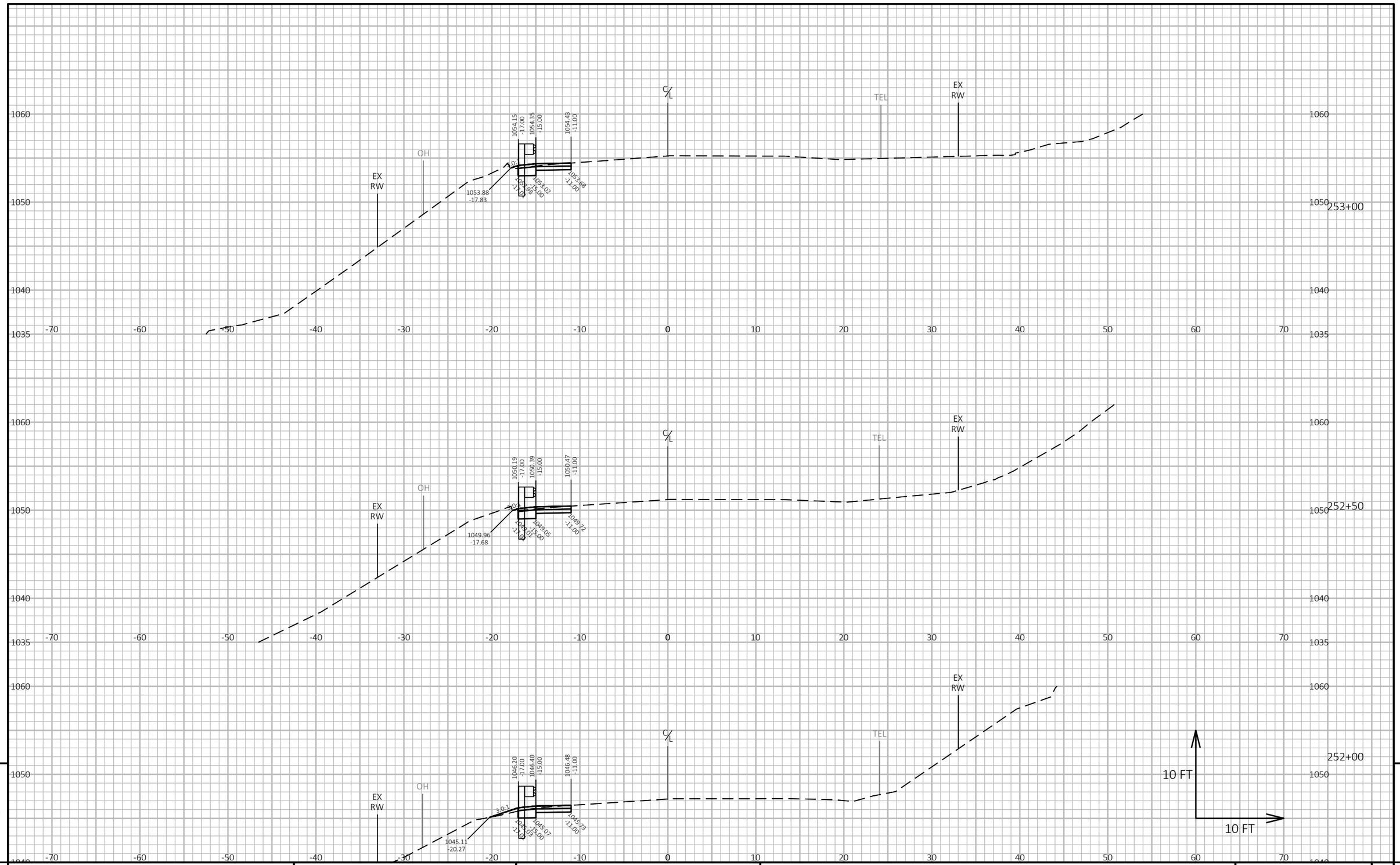
PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 216	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 03

PLOT DATE : 10/17/2025 12:58 PM PLOT BY : ELA LODZINSKI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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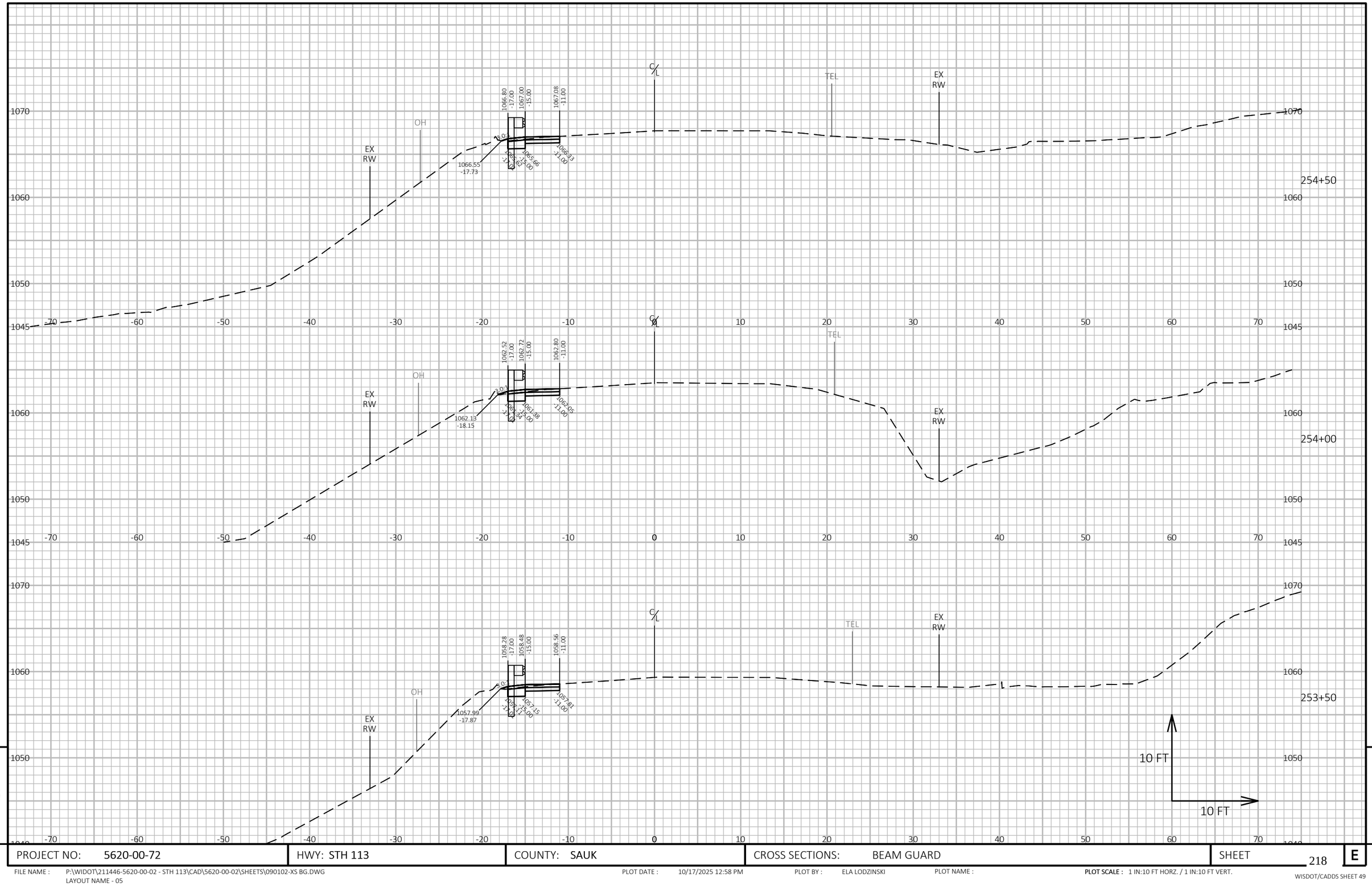
PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 217	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 04

PLOT DATE : 10/17/2025 12:58 PM PLOT BY : ELA LODZINSKI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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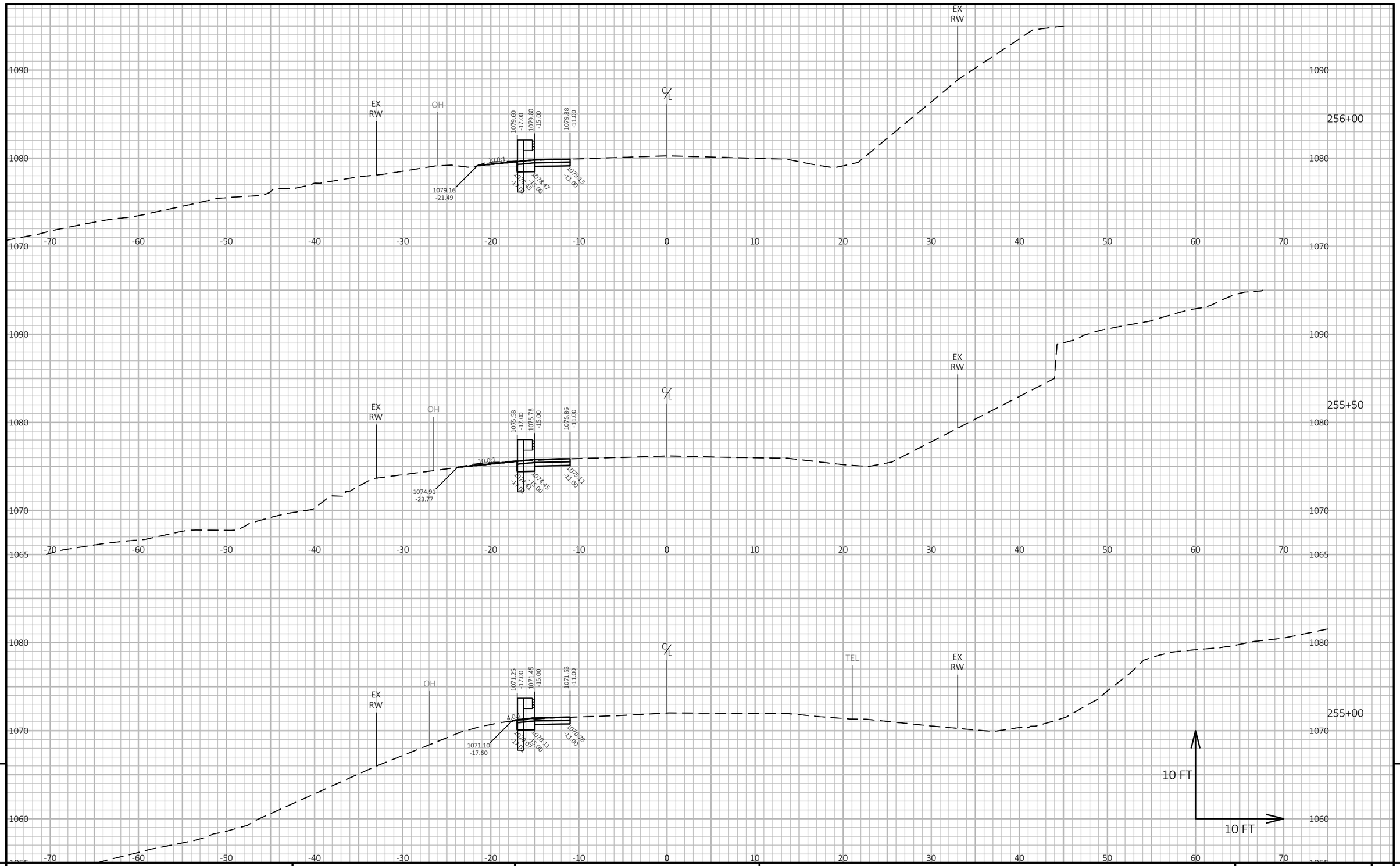
PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 218	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 05

PLOT DATE : 10/17/2025 12:58 PM PLOT BY : ELA LODZINSKI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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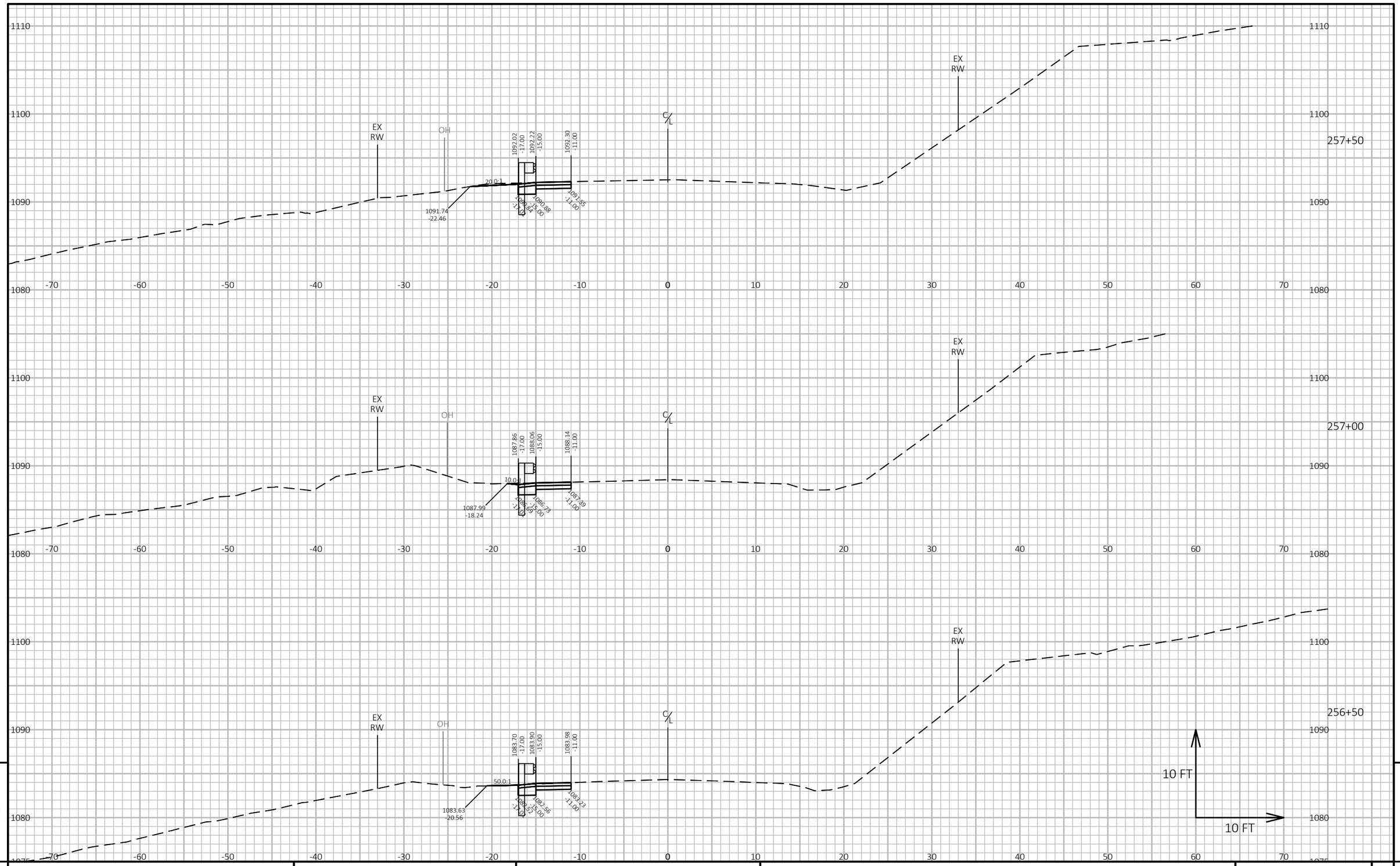
PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 219	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 06

PLOT DATE : 10/17/2025 12:59 PM PLOT BY : ELA LODZINSKI PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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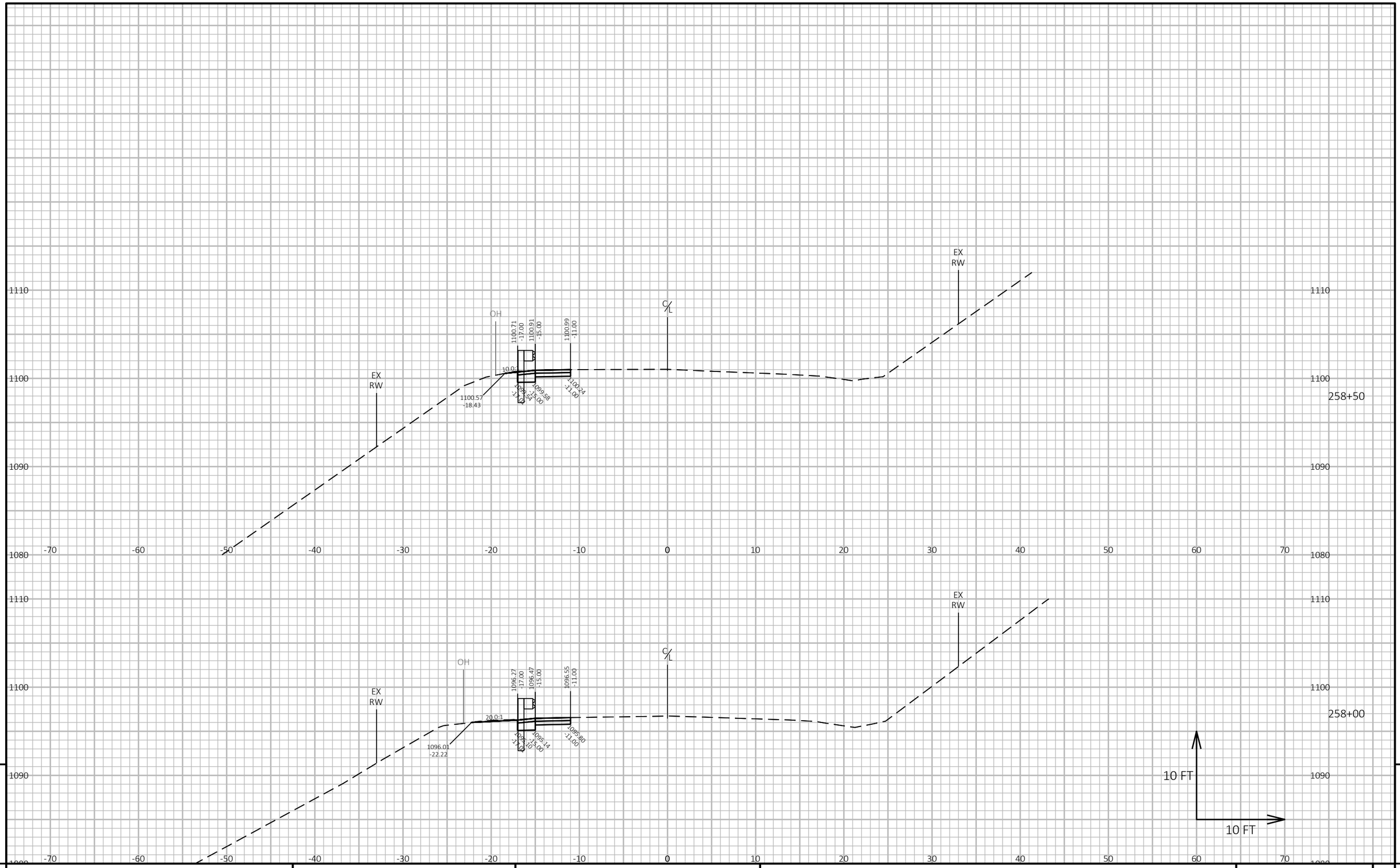
PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 220	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 07

PLOT DATE : 10/17/2025 12:59 PM PLOT BY : ELA LODZINSKI PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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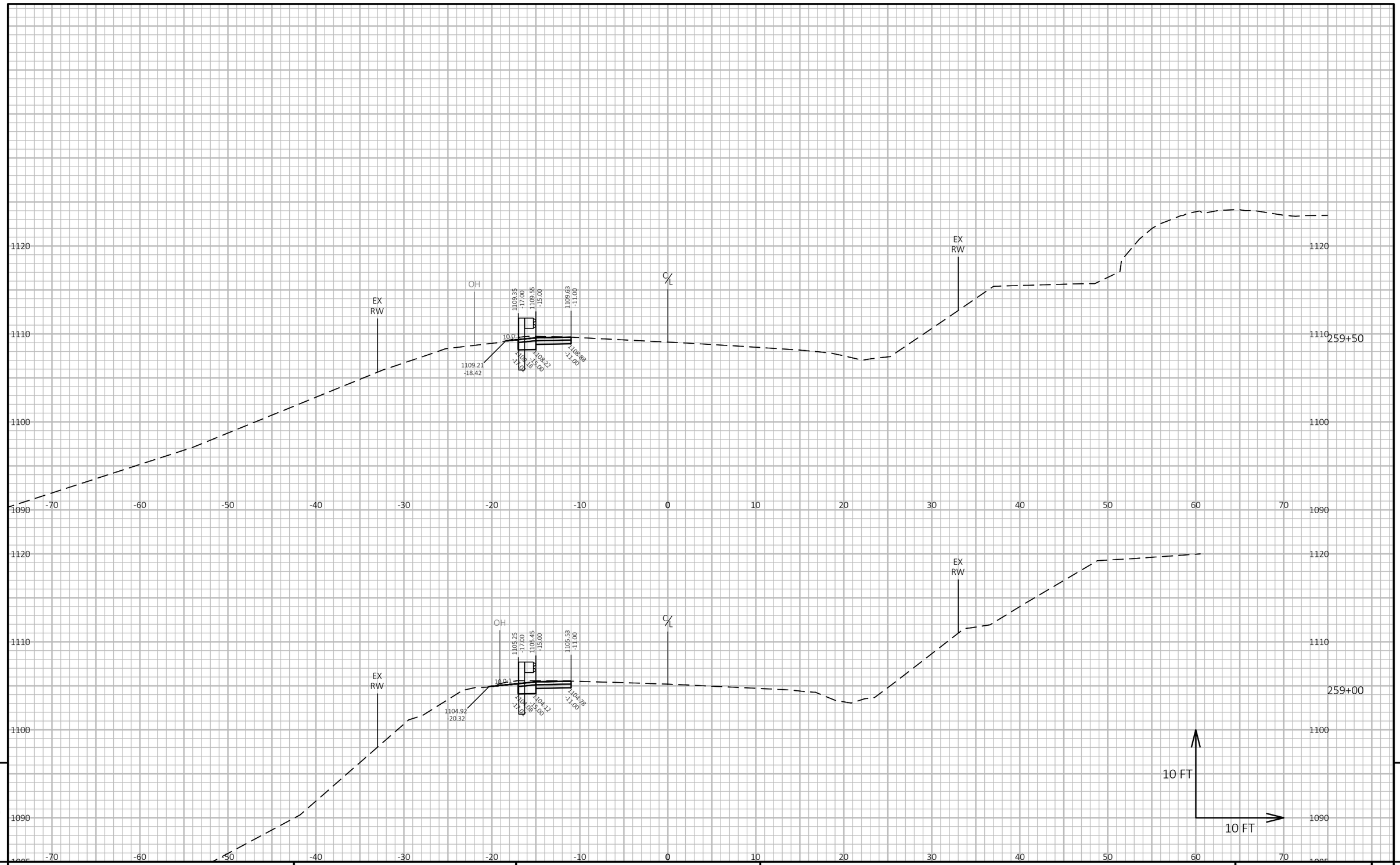
PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 221	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 08

PLOT DATE : 10/17/2025 12:59 PM PLOT BY : ELA LODZINSKI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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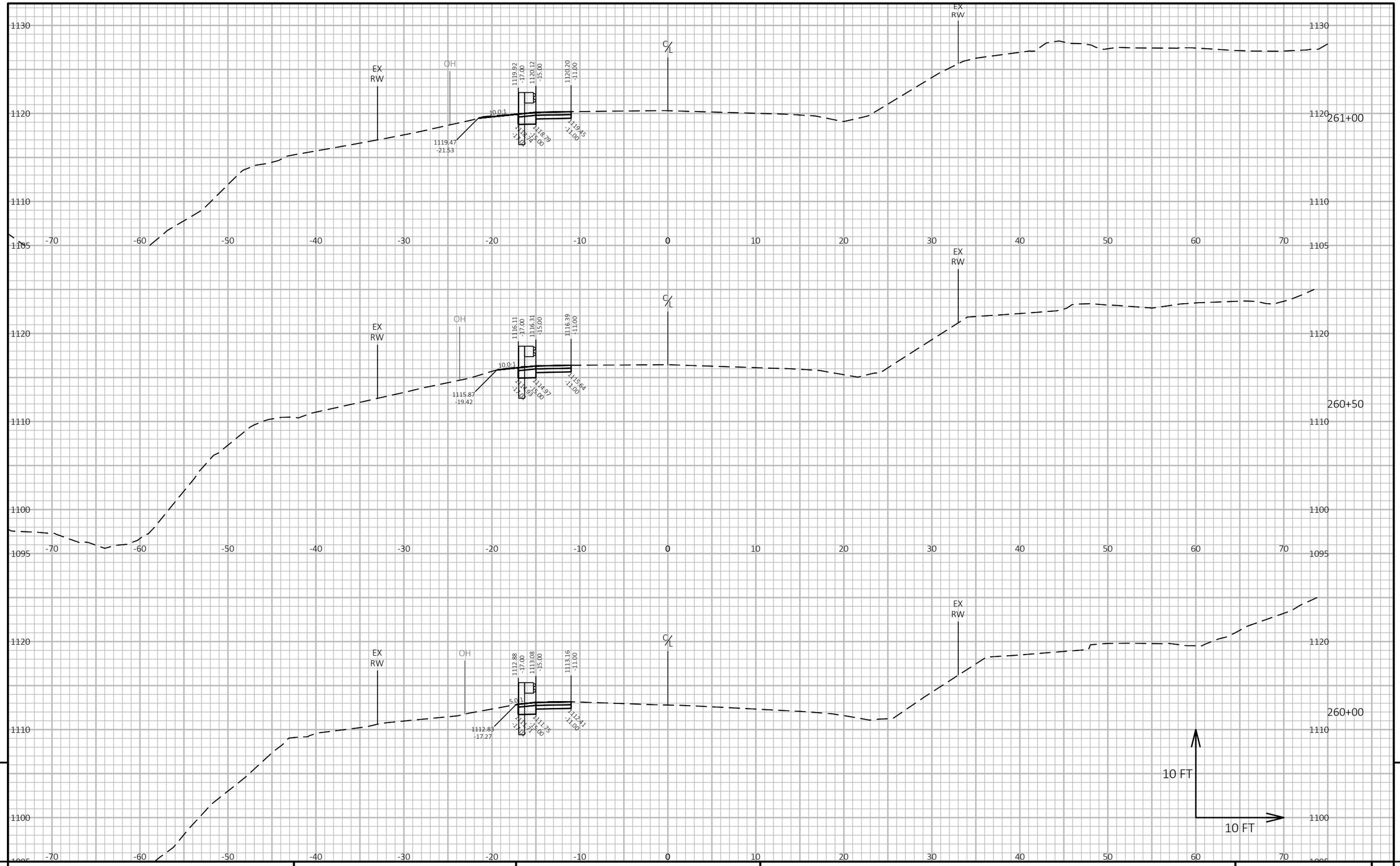
PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 222	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 09

PLOT DATE : 10/17/2025 12:59 PM PLOT BY : ELA LODZINSKI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

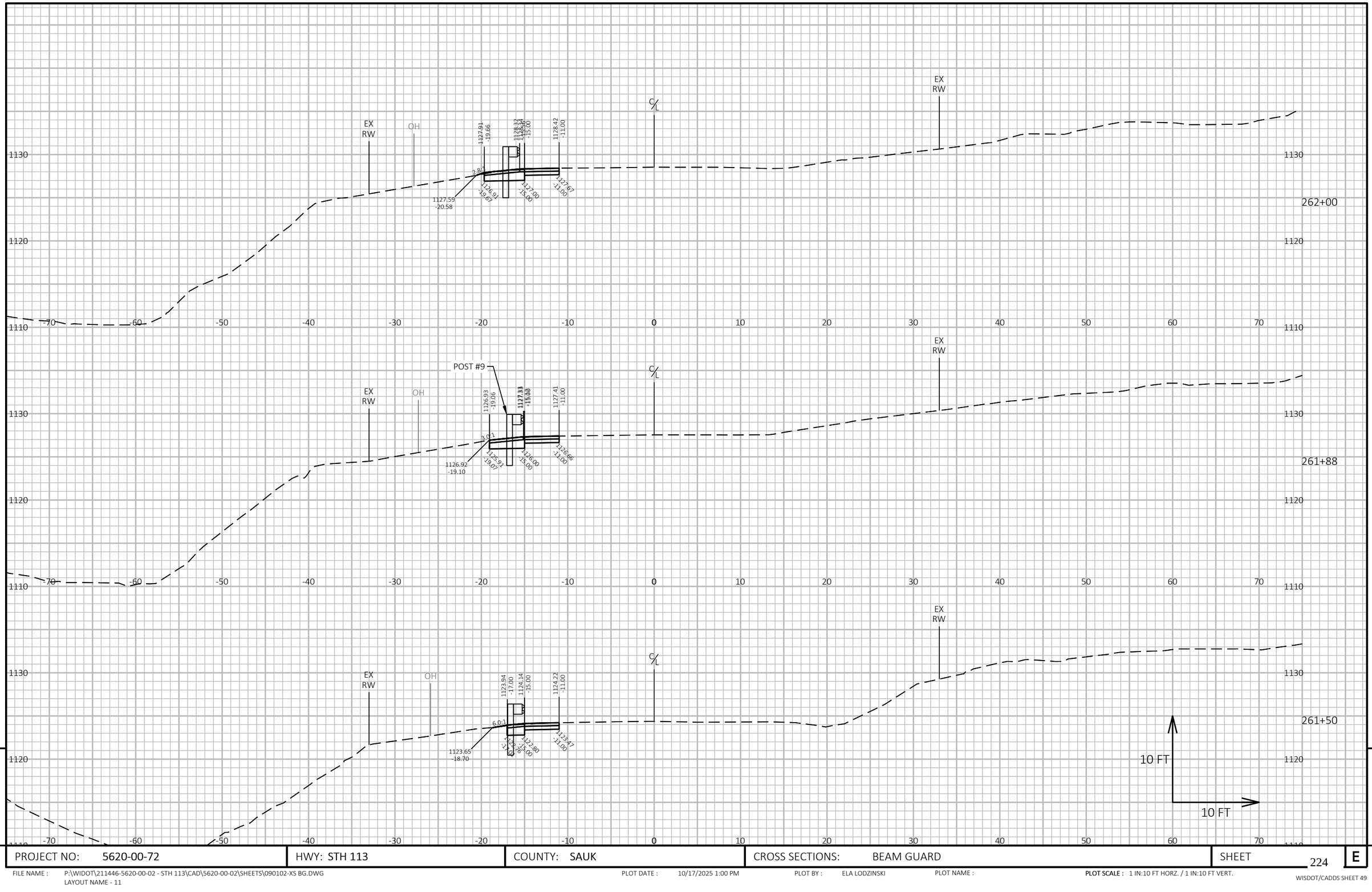


PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 223	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 10

PLOT DATE : 10/17/2025 1:00 PM PLOT BY : ELA LODZINSKI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 224	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 11

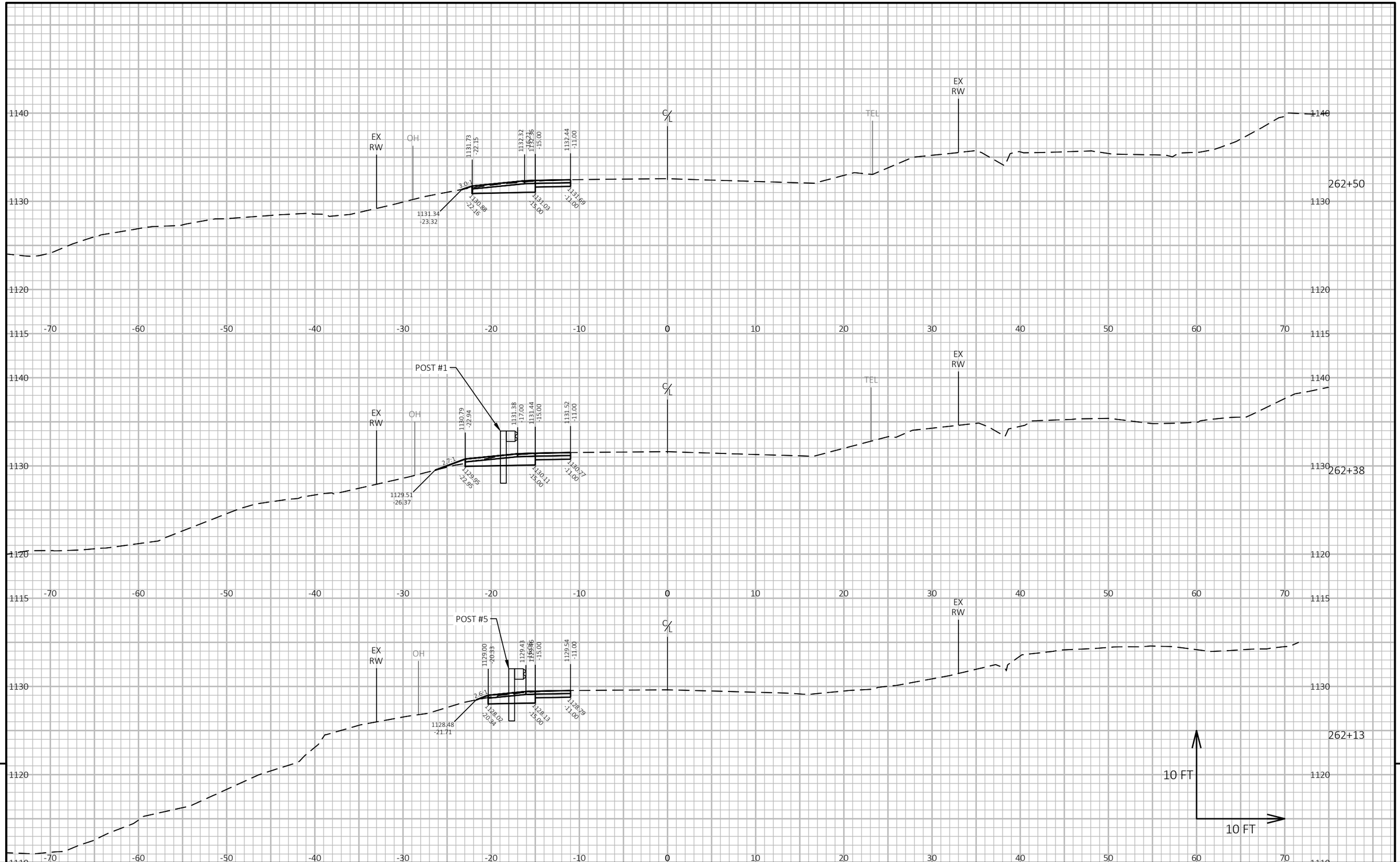
PLOT DATE : 10/17/2025 1:00 PM

PLOT BY : ELA LODZINSKI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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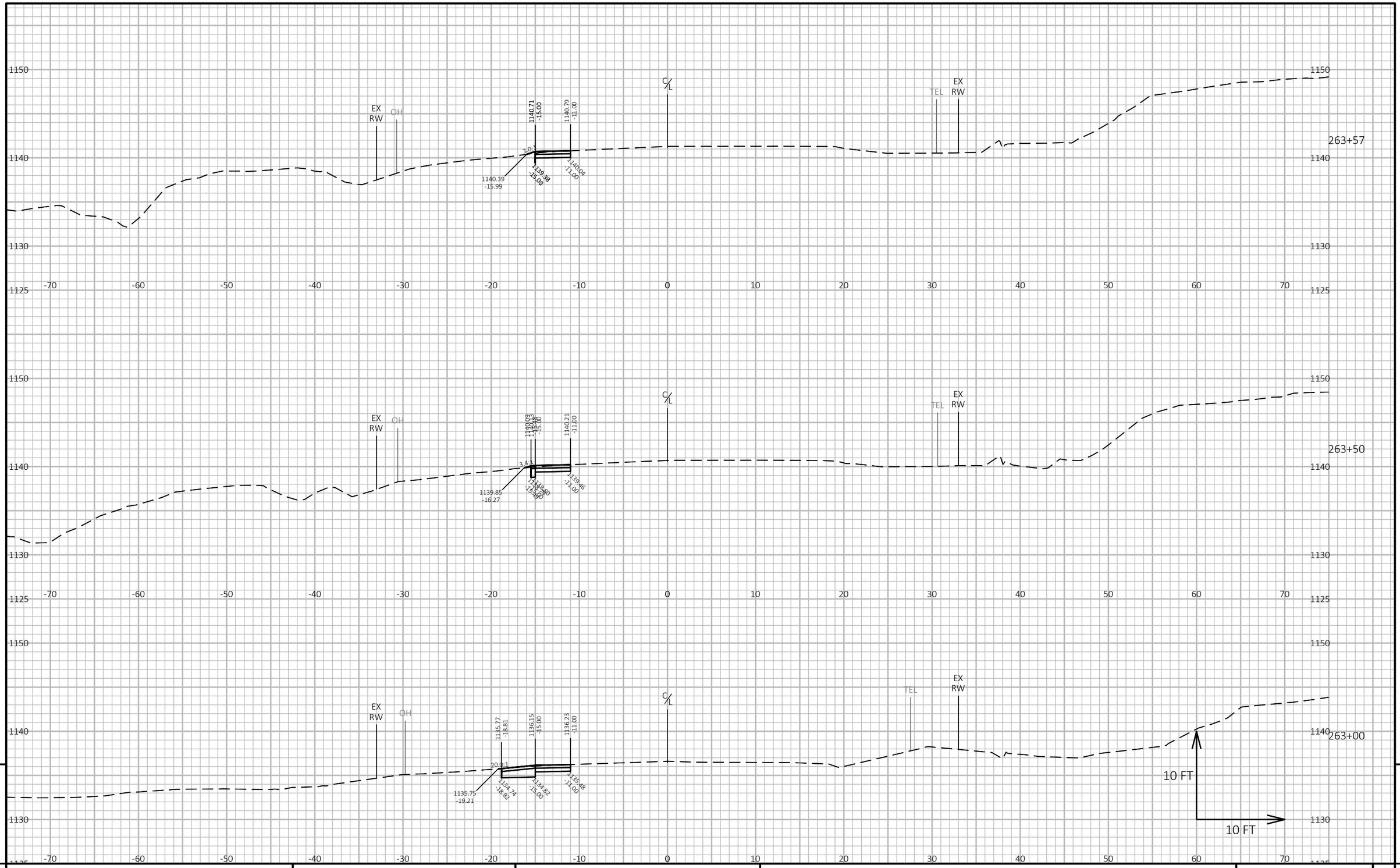
PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 225	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 12

PLOT DATE : 10/17/2025 1:00 PM PLOT BY : ELA LODZINSKI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

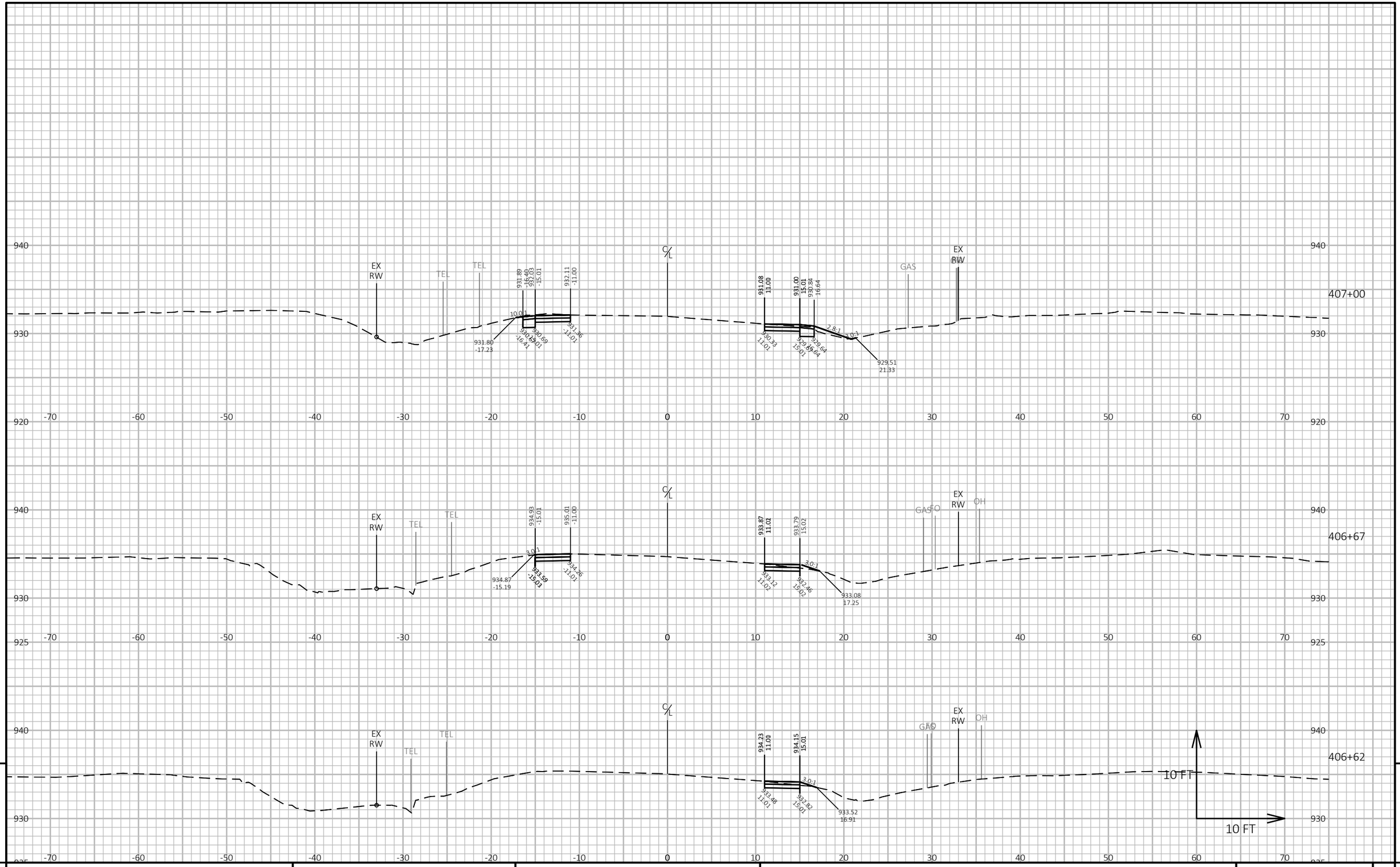


PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 226 E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 13

PLOT DATE : 10/17/2025 1:00 PM PLOT BY : ELA LODZINSKI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

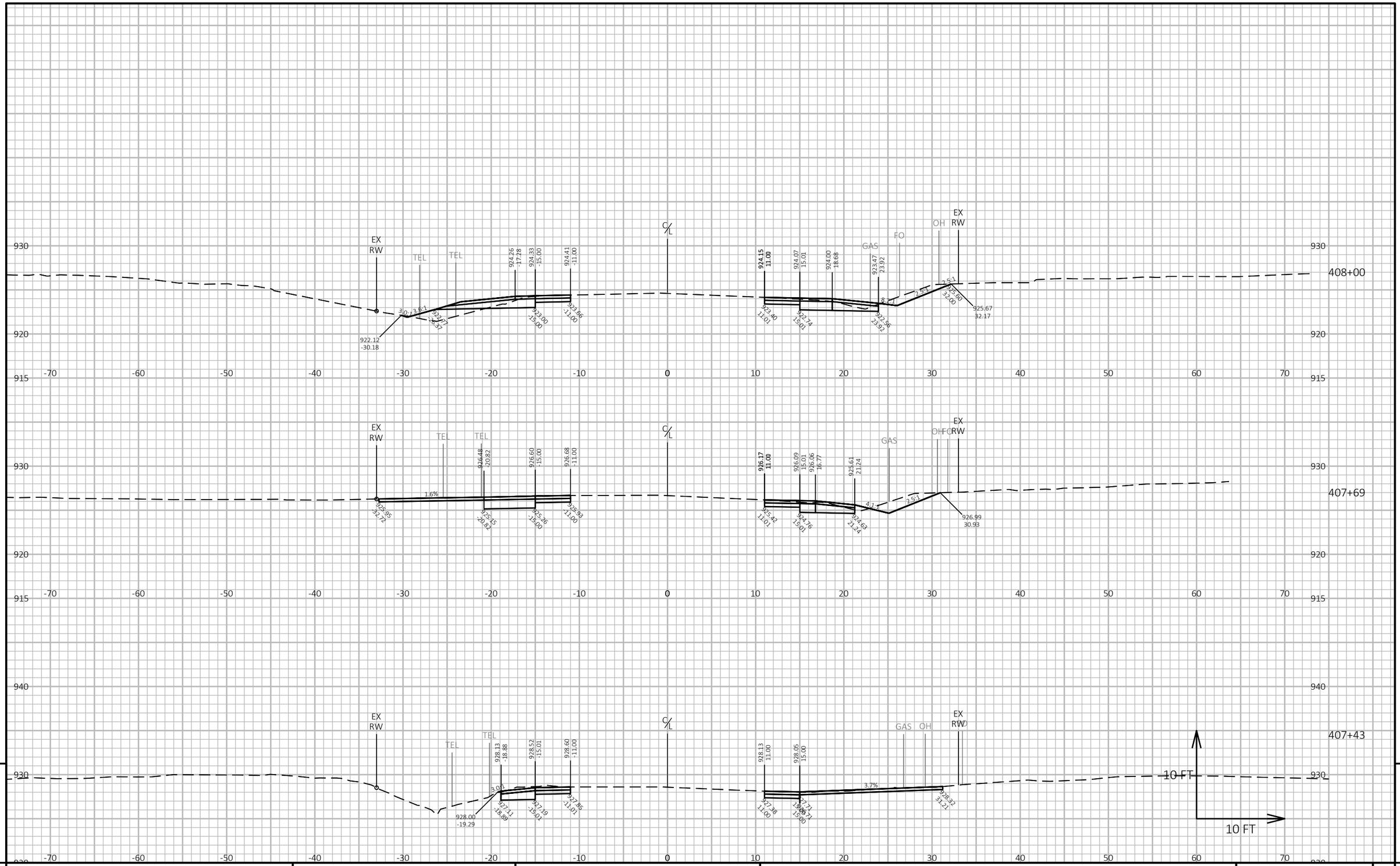


PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 227	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 14

PLOT DATE : 10/17/2025 1:00 PM PLOT BY : ELA LODZINSKI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 228	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 15

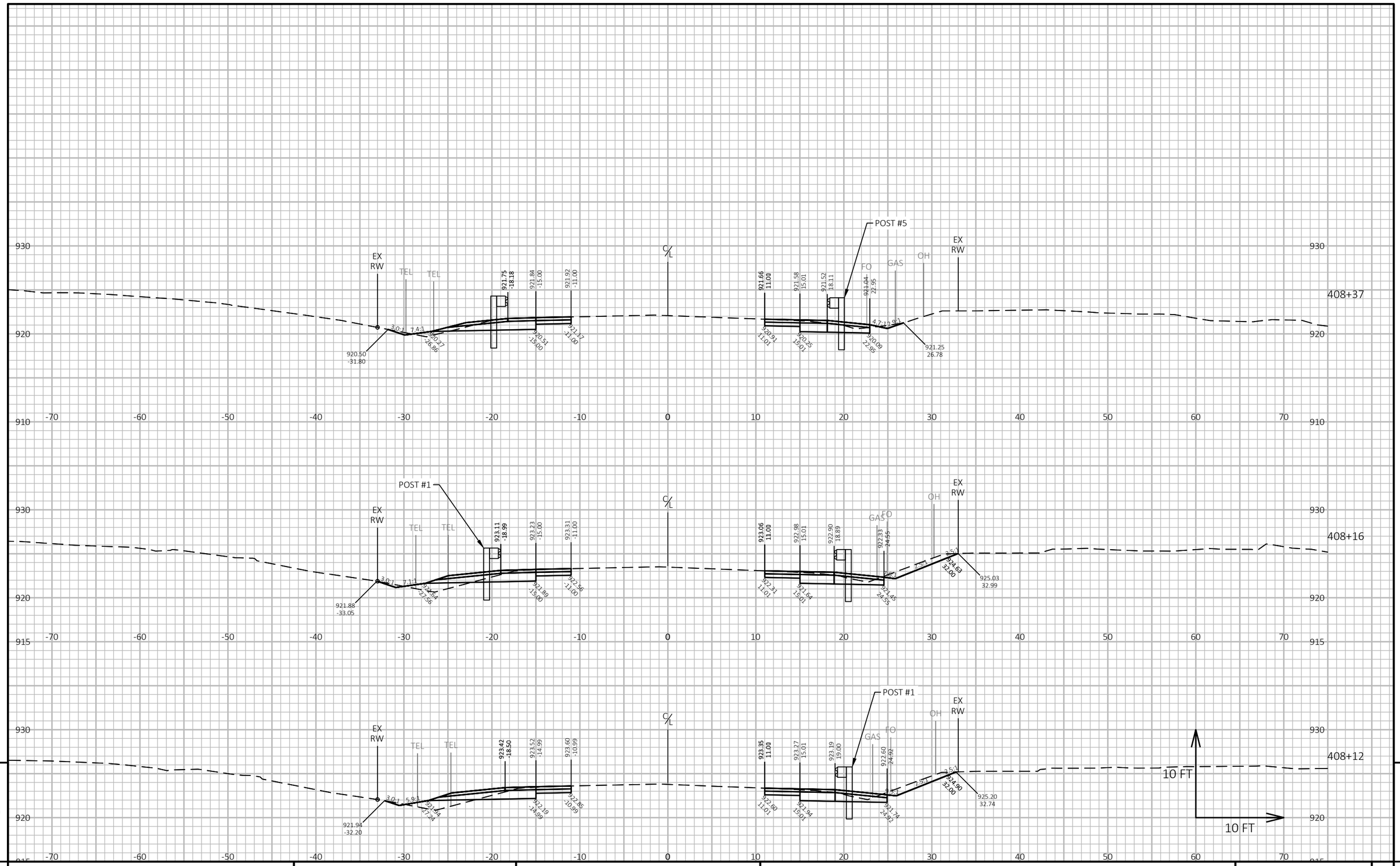
PLOT DATE : 10/17/2025 1:01 PM

PLOT BY : ELA LODZINSKI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

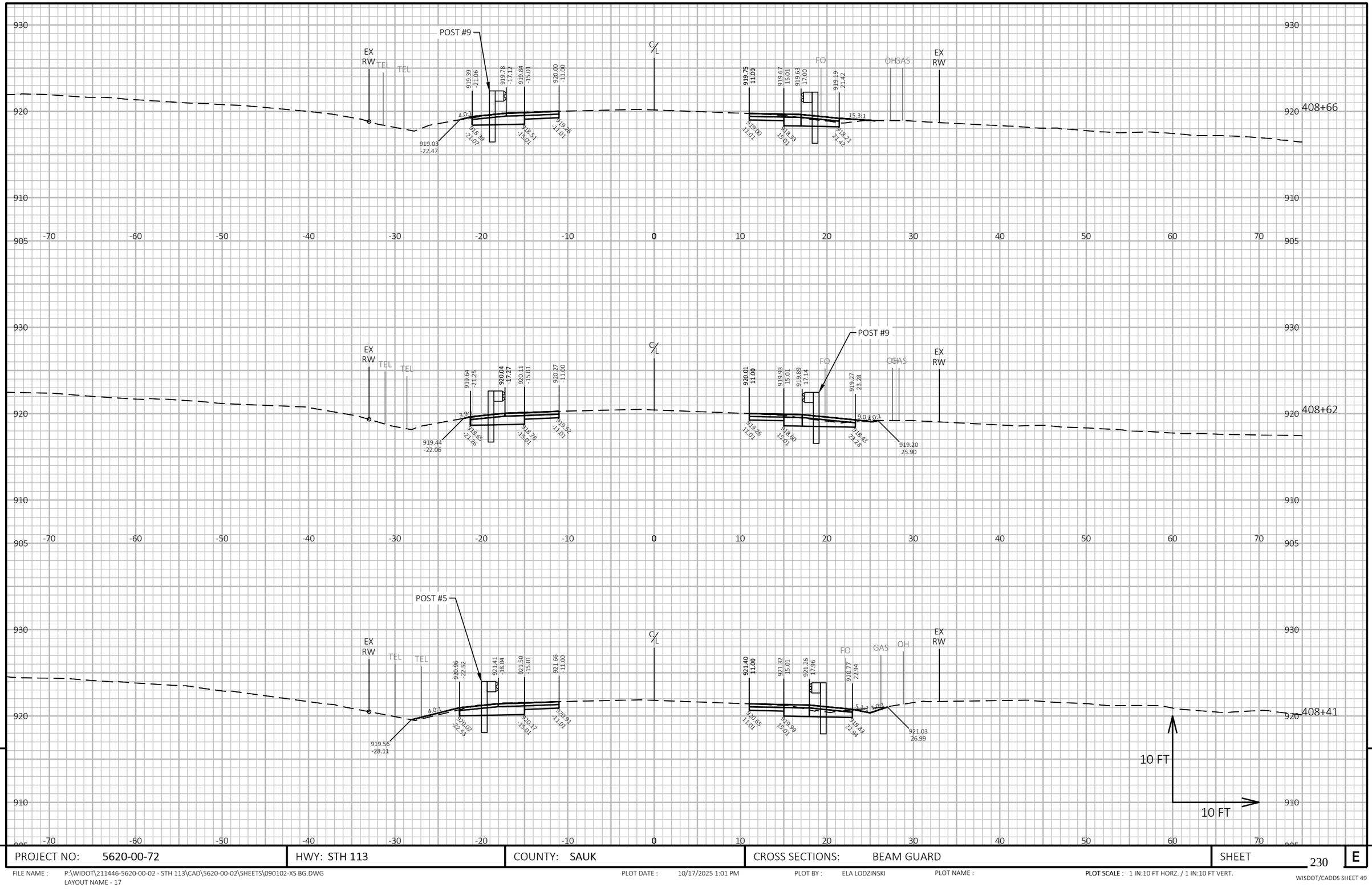


PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 229	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 16

PLOT DATE : 10/17/2025 1:01 PM PLOT BY : ELA LODZINSKI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 230	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 17

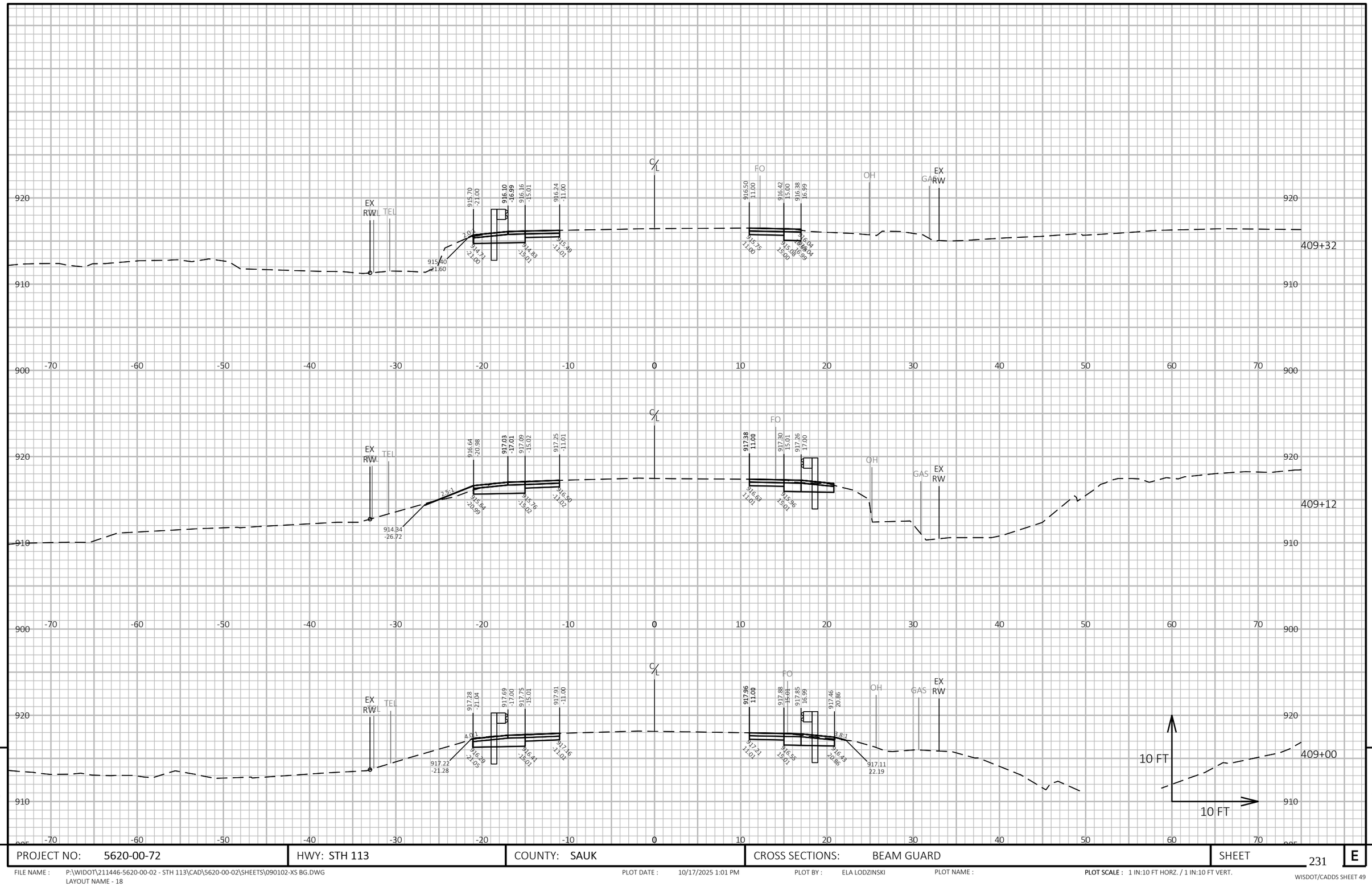
PLOT DATE : 10/17/2025 1:01 PM

PLOT BY : ELA LODZINSKI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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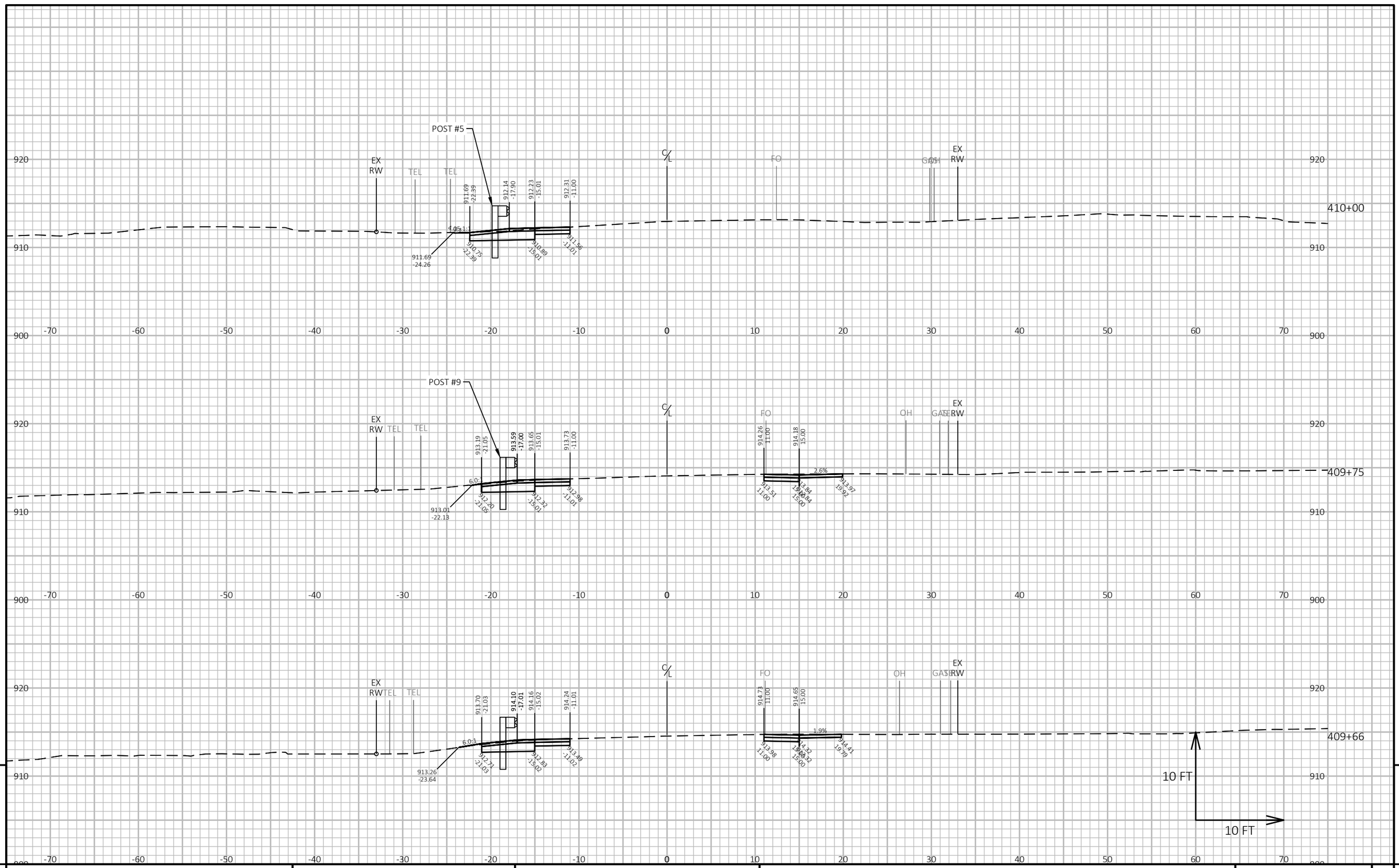
PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 231	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 18

PLOT DATE : 10/17/2025 1:01 PM PLOT BY : ELA LODZINSKI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

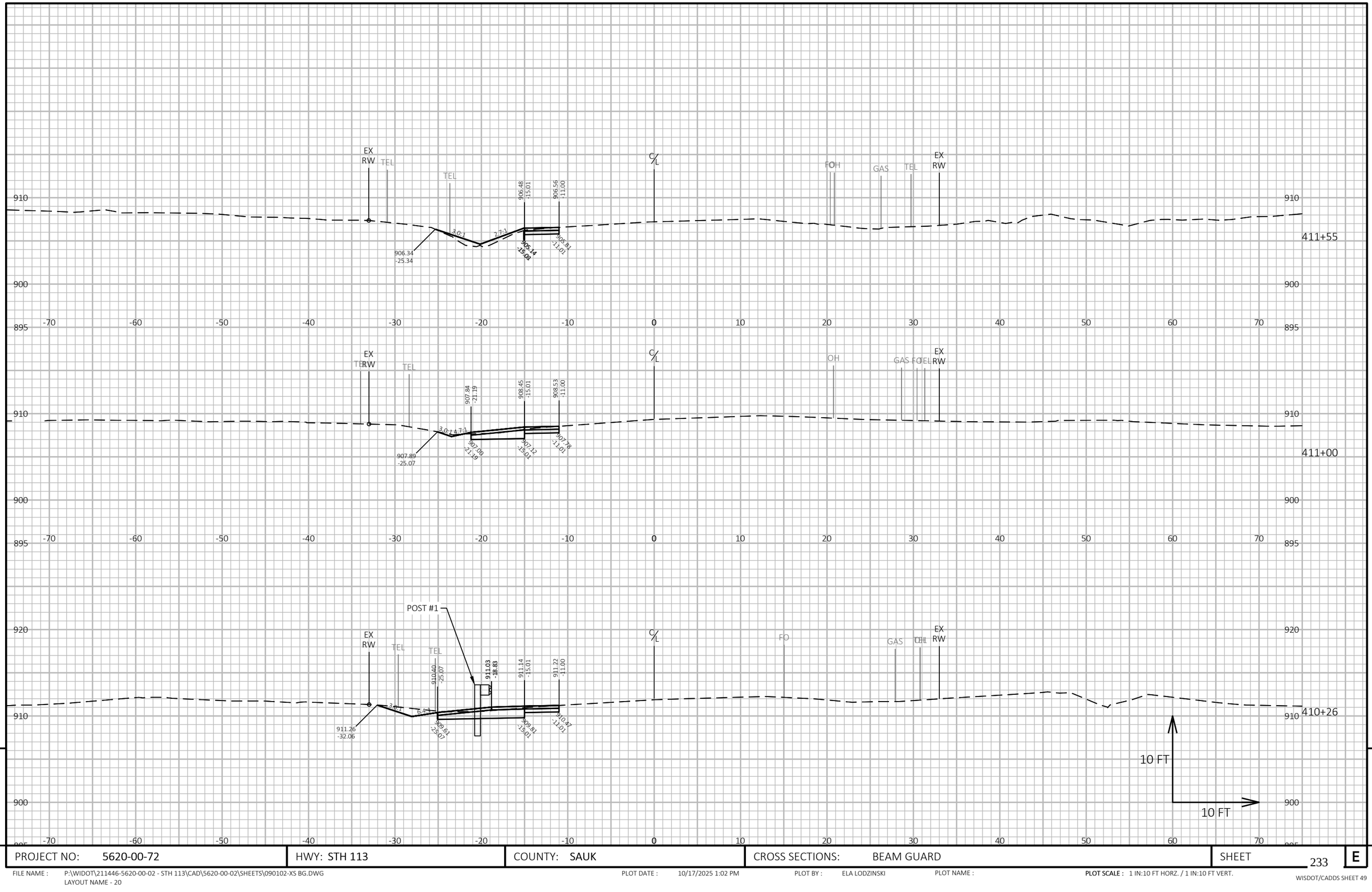


PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 232	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 19

PLOT DATE : 10/17/2025 1:01 PM PLOT BY : ELA LODZINSKI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 233	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 20

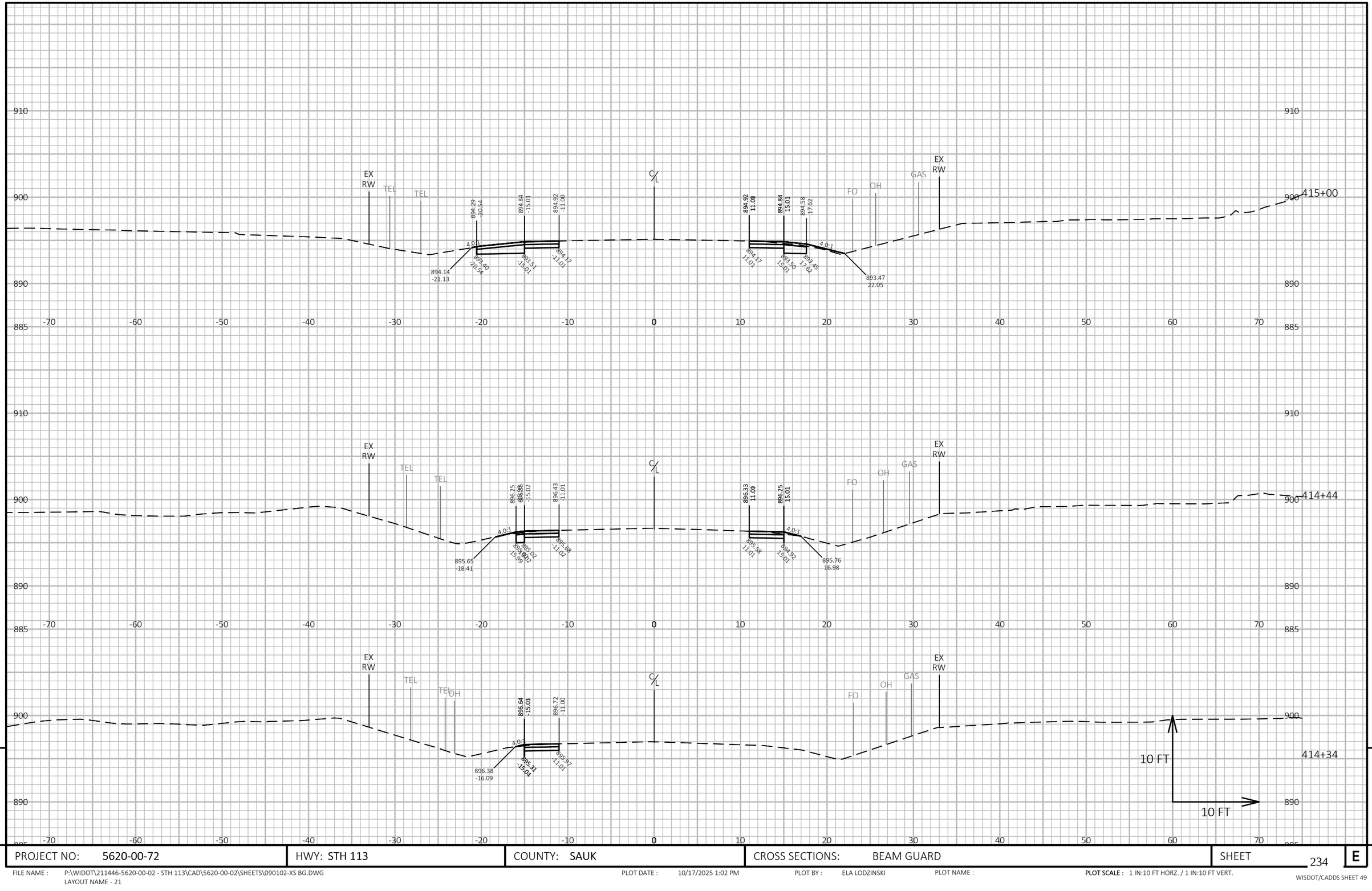
PLOT DATE : 10/17/2025 1:02 PM

PLOT BY : ELA LODZINSKI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 234	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 21

PLOT DATE : 10/17/2025 1:02 PM PLOT BY : ELA LODZINSKI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

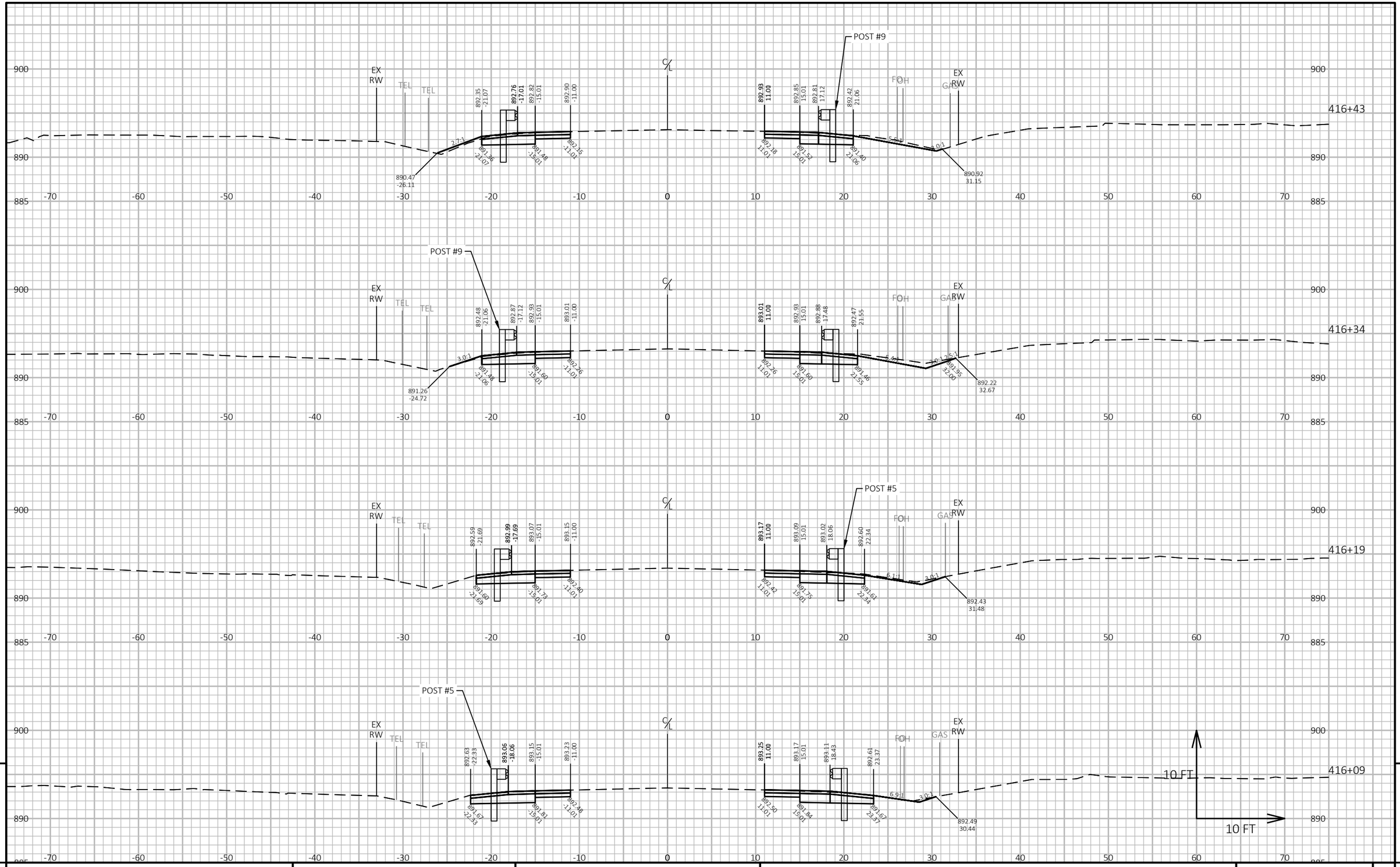
WISDOT/CADDS SHEET 49

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 235	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 22

PLOT DATE : 10/17/2025 1:02 PM PLOT BY : ELA LODZINSKI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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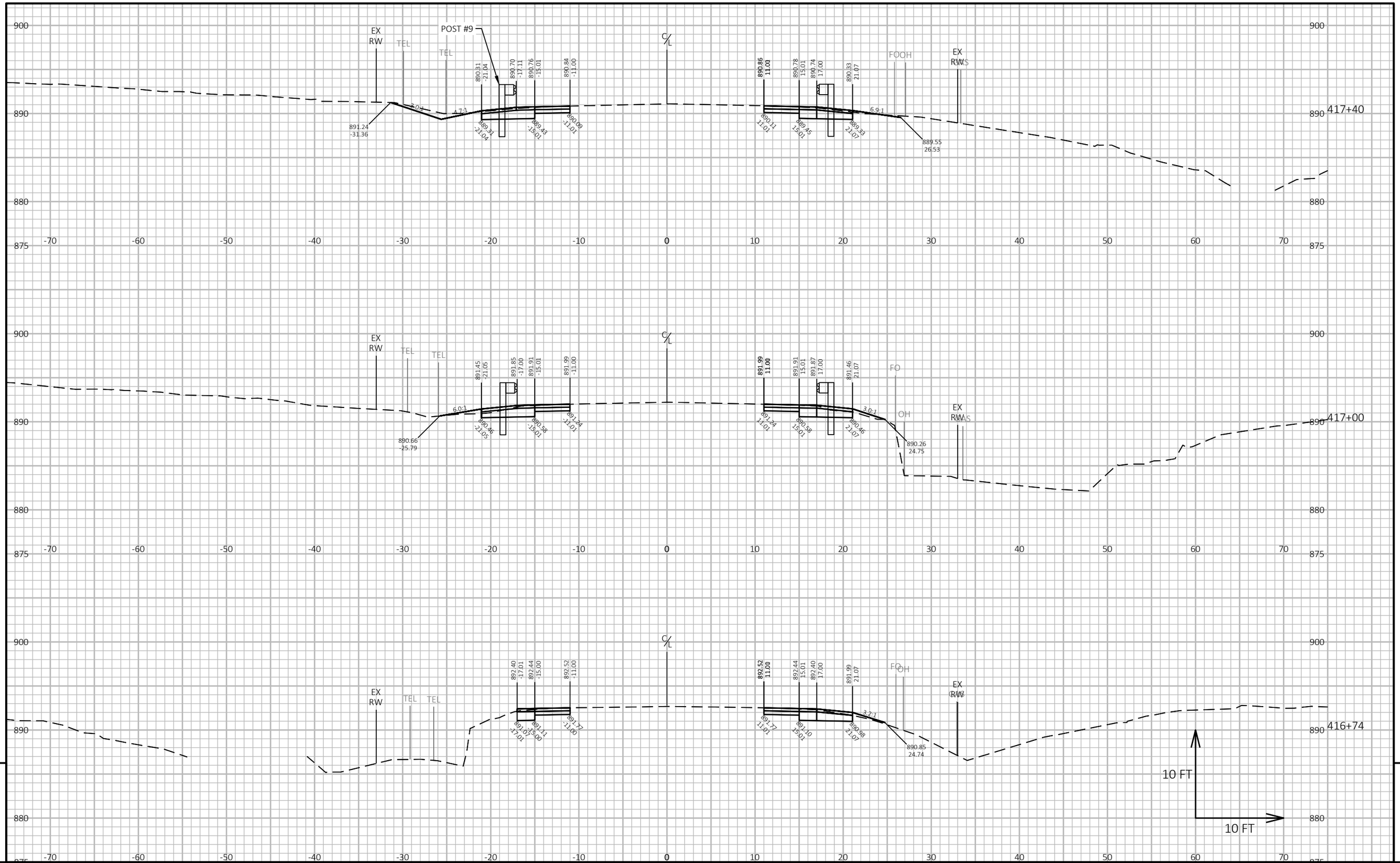
PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 236	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 23

PLOT DATE : 10/17/2025 1:02 PM PLOT BY : ELA LODZINSKI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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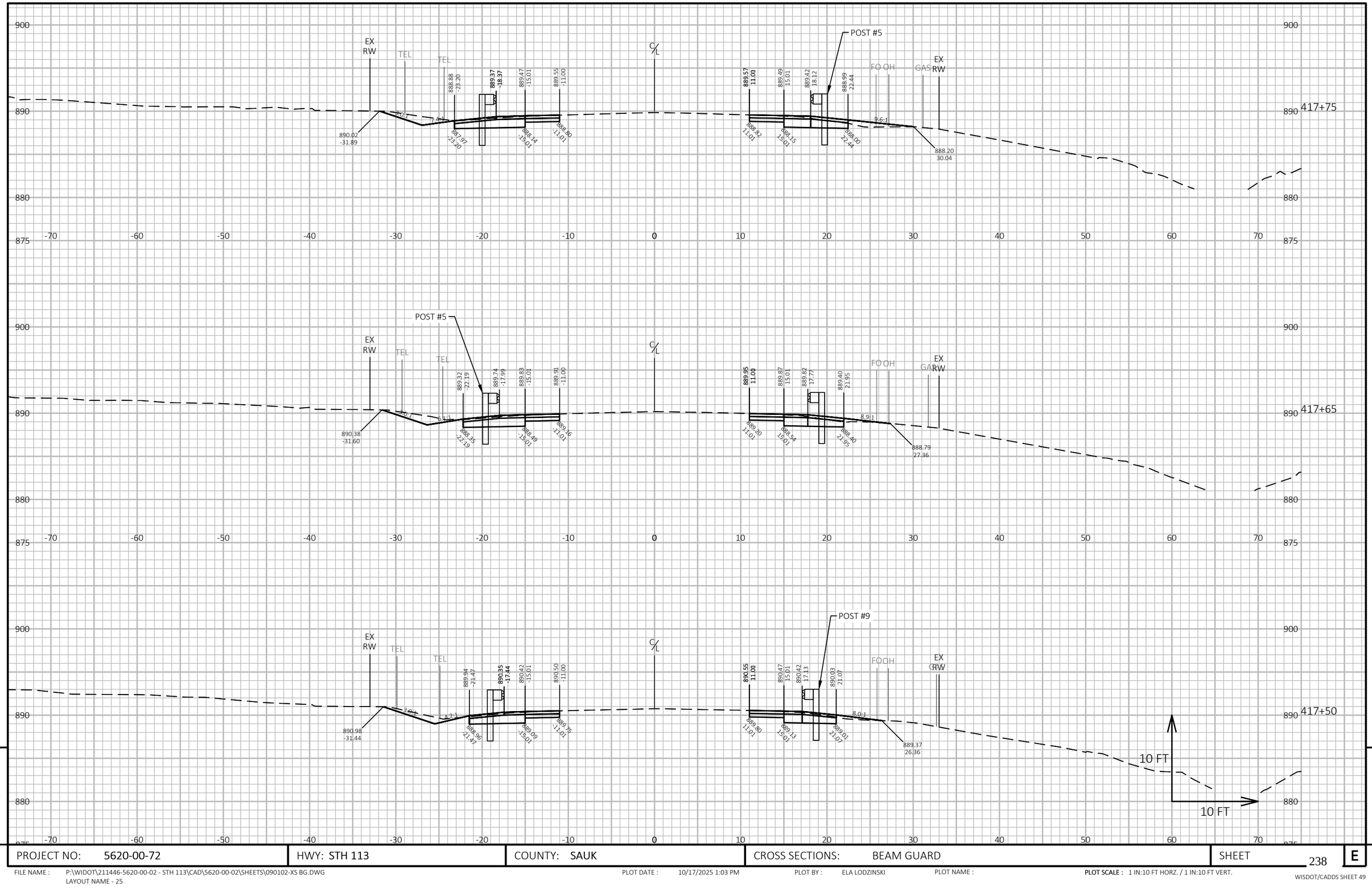
PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 237	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 24

PLOT DATE : 10/17/2025 1:03 PM PLOT BY : ELA LODZINSKI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

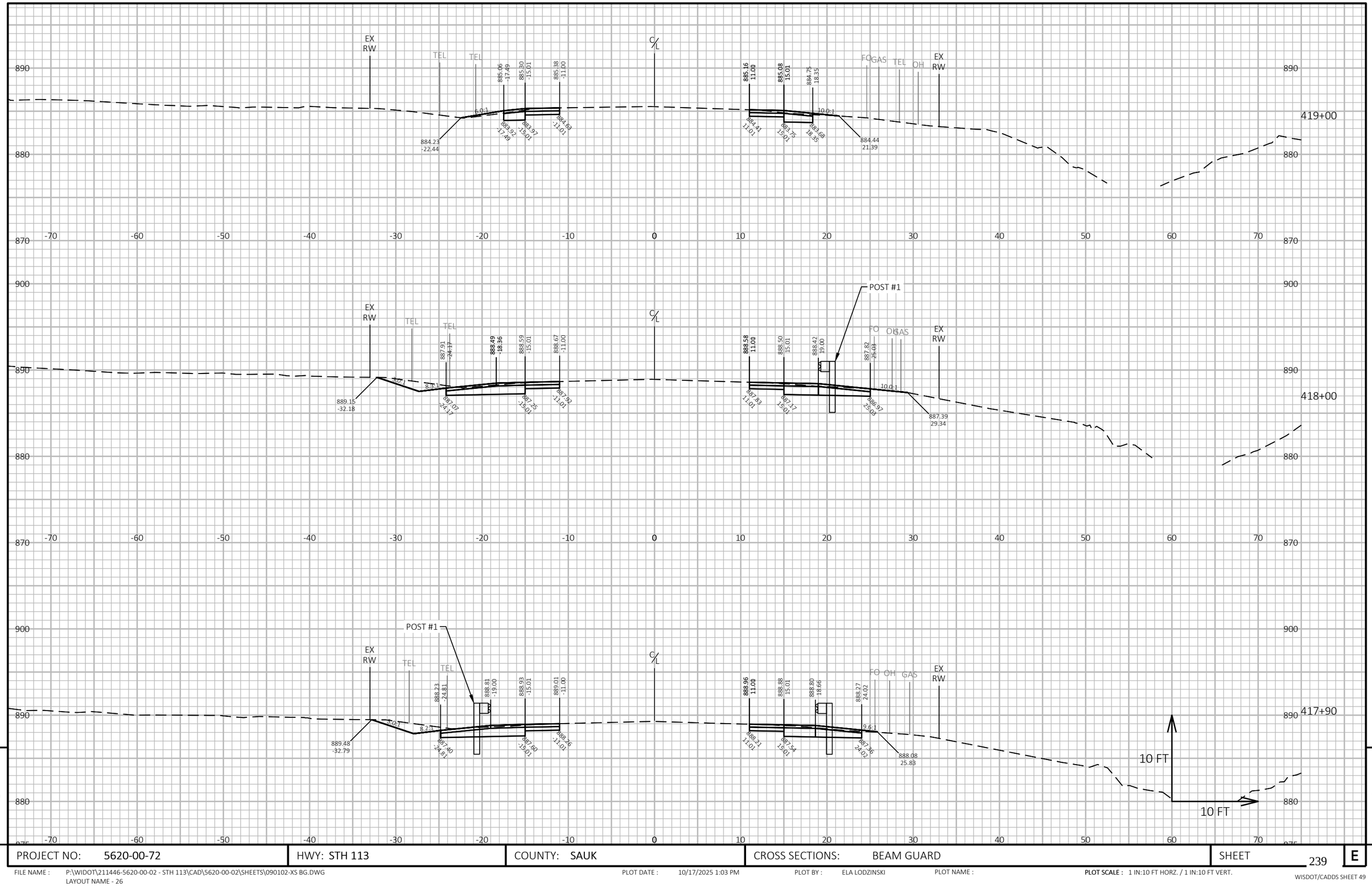


PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 238	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 25

PLOT DATE : 10/17/2025 1:03 PM PLOT BY : ELA LODZINSKI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

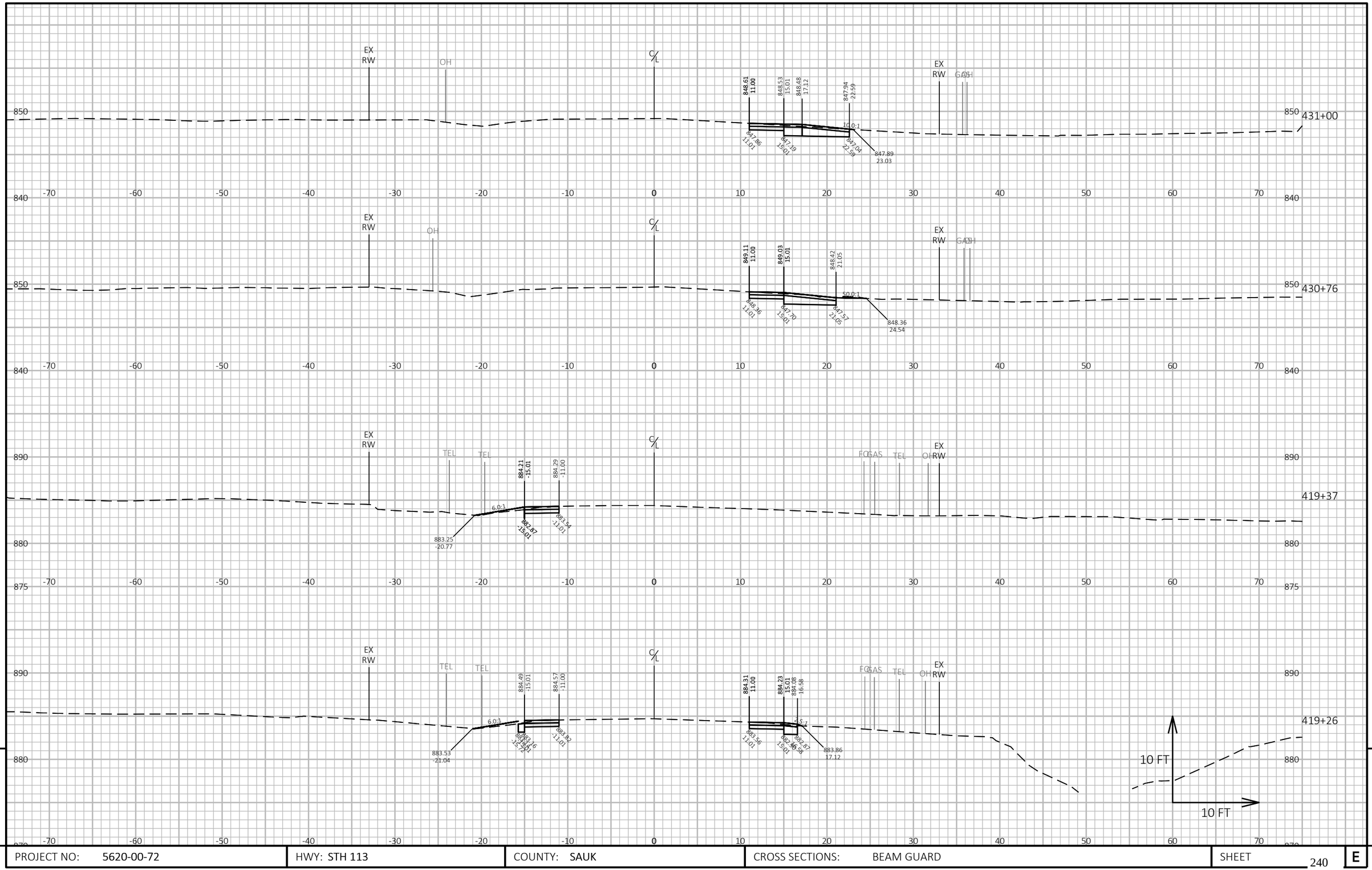


PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 239	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 26

PLOT DATE : 10/17/2025 1:03 PM PLOT BY : ELA LODZINSKI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 240	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 27

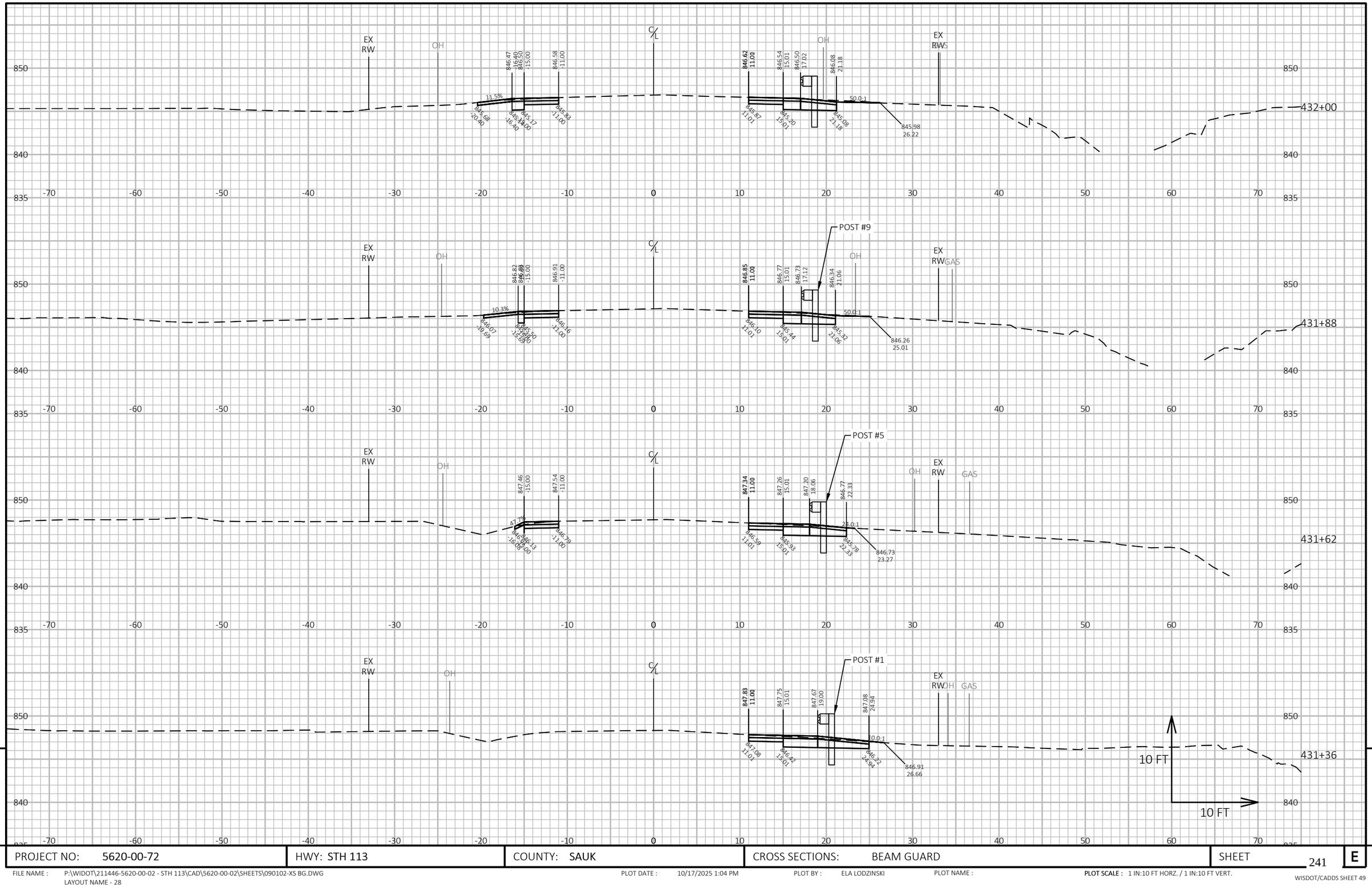
PLOT DATE : 10/17/2025 1:03 PM

PLOT BY : ELA LODZINSKI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 241	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 28

PLOT DATE : 10/17/2025 1:04 PM PLOT BY : ELA LODZINSKI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

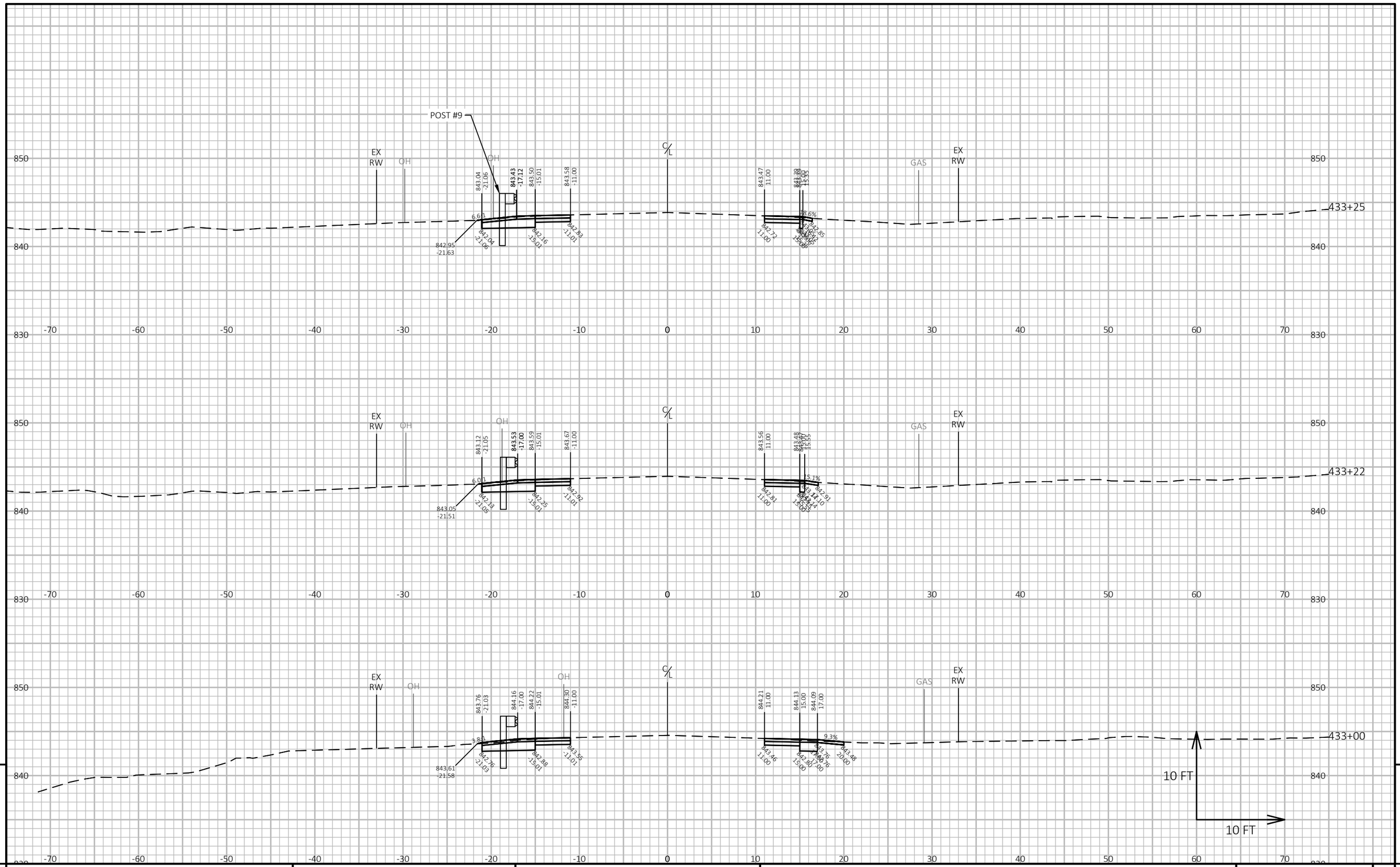
9

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 242	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 29

PLOT DATE : 10/17/2025 1:04 PM PLOT BY : ELA LODZINSKI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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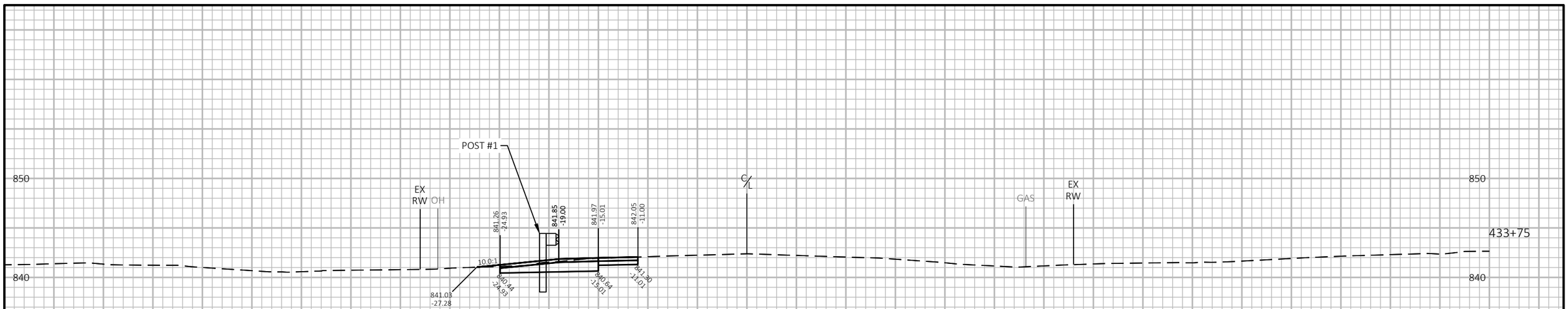
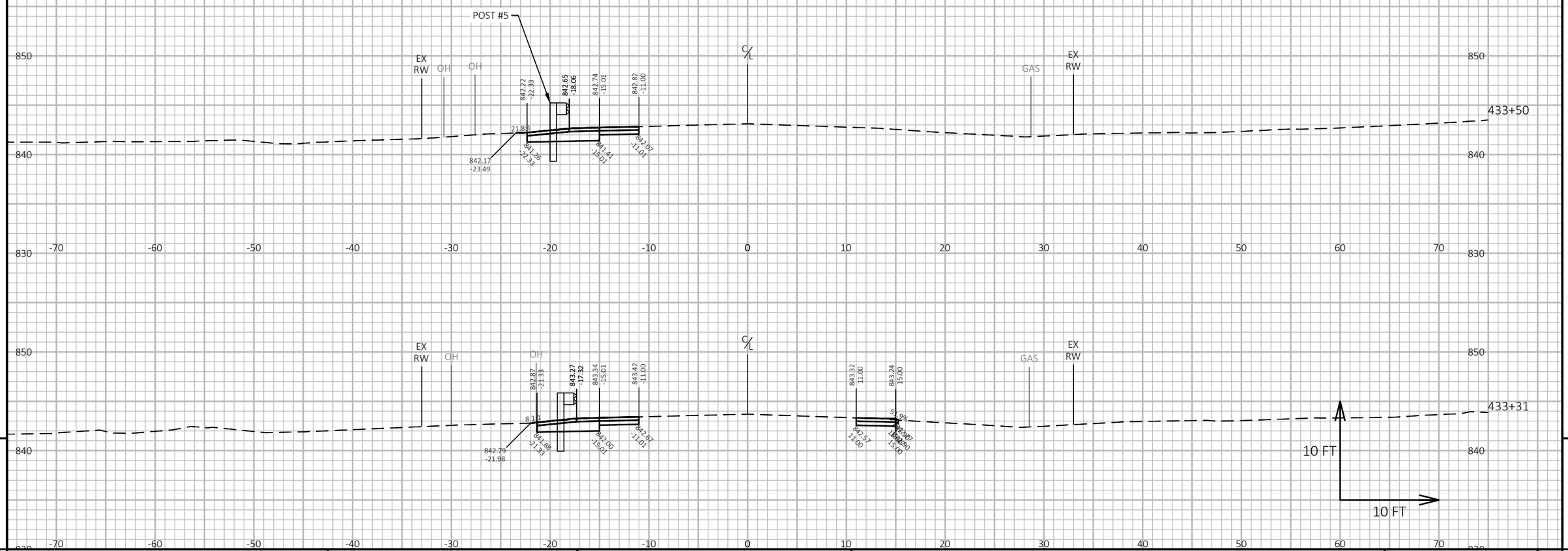
PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 243	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 30

PLOT DATE : 10/17/2025 1:04 PM PLOT BY : ELA LODZINSKI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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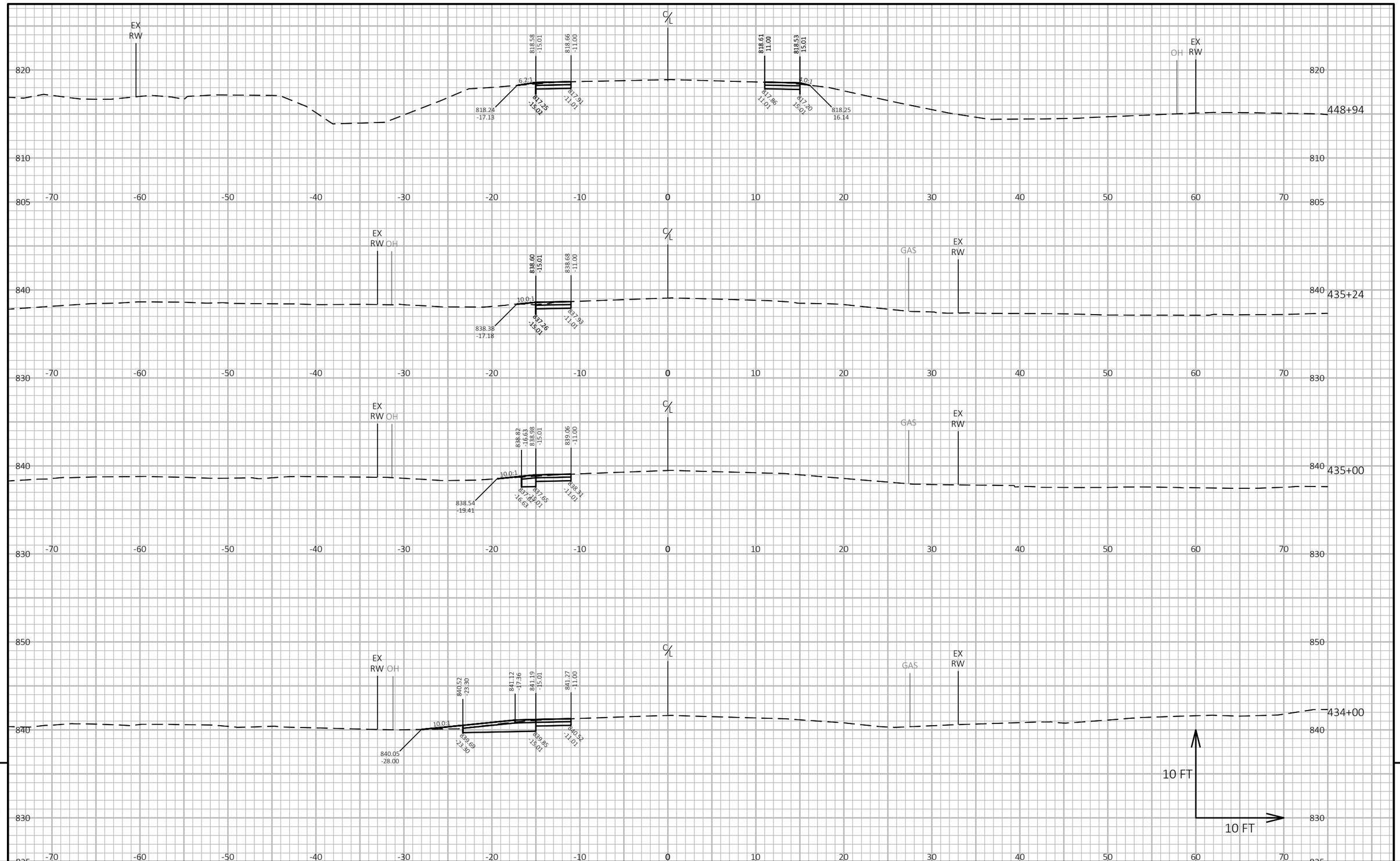
PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 244	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 31

PLOT DATE : 10/17/2025 1:04 PM PLOT BY : ELA LODZINSKI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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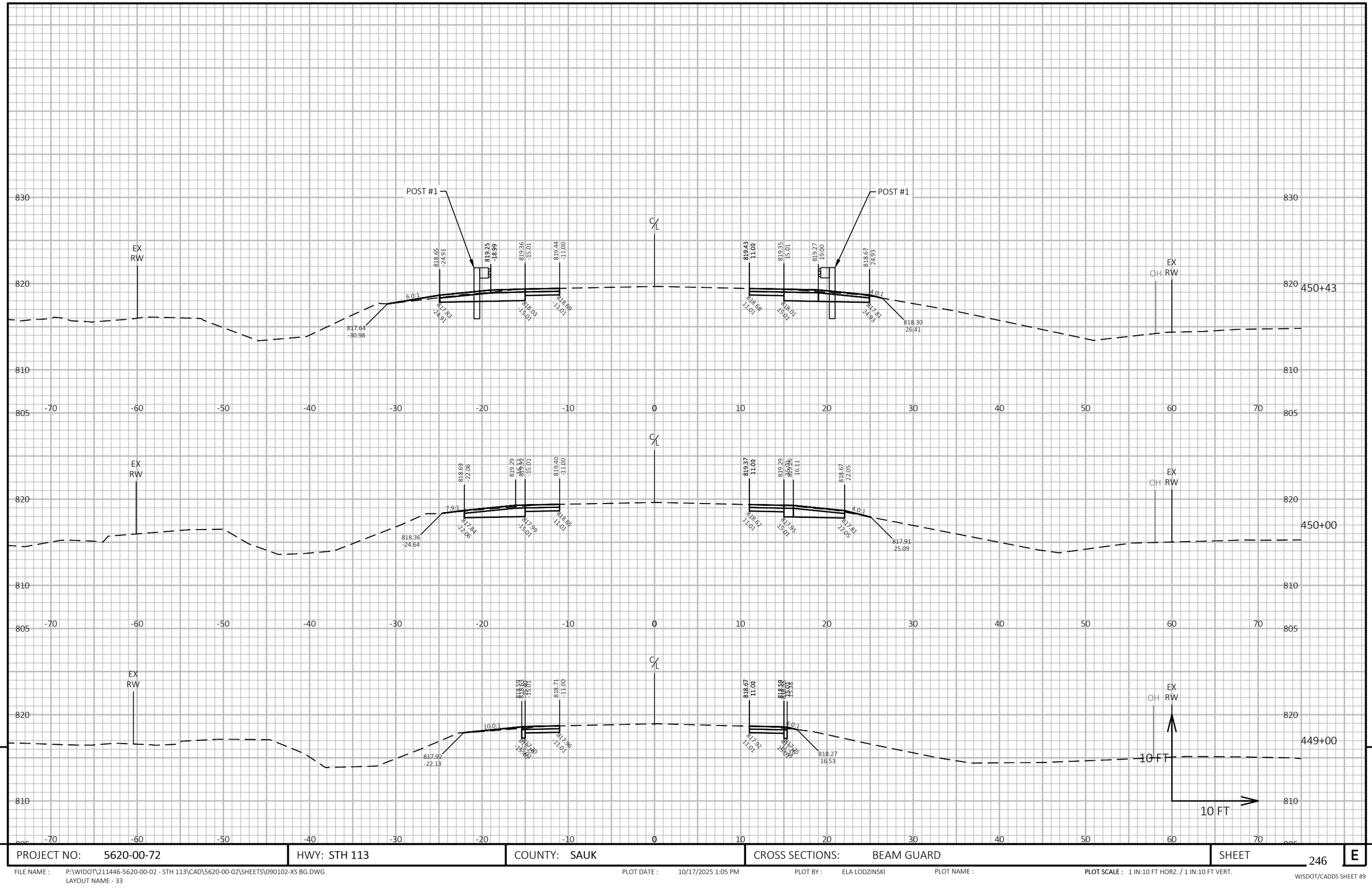
PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 245	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 32

PLOT DATE : 10/17/2025 1:04 PM PLOT BY : ELA LODZINSKI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 246	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 33

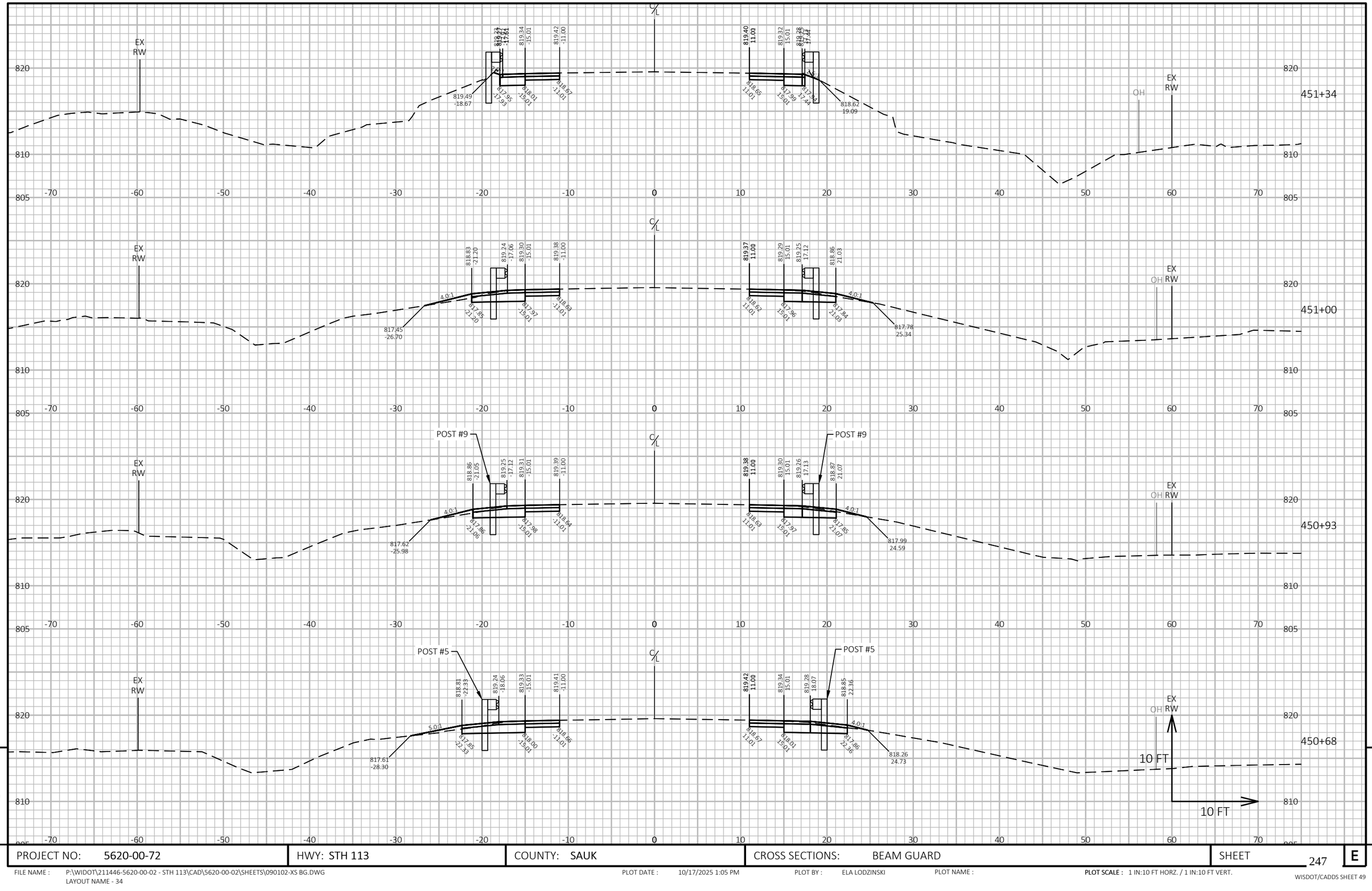
PLOT DATE : 10/17/2025 1:05 PM

PLOT BY : ELA LODZINSKI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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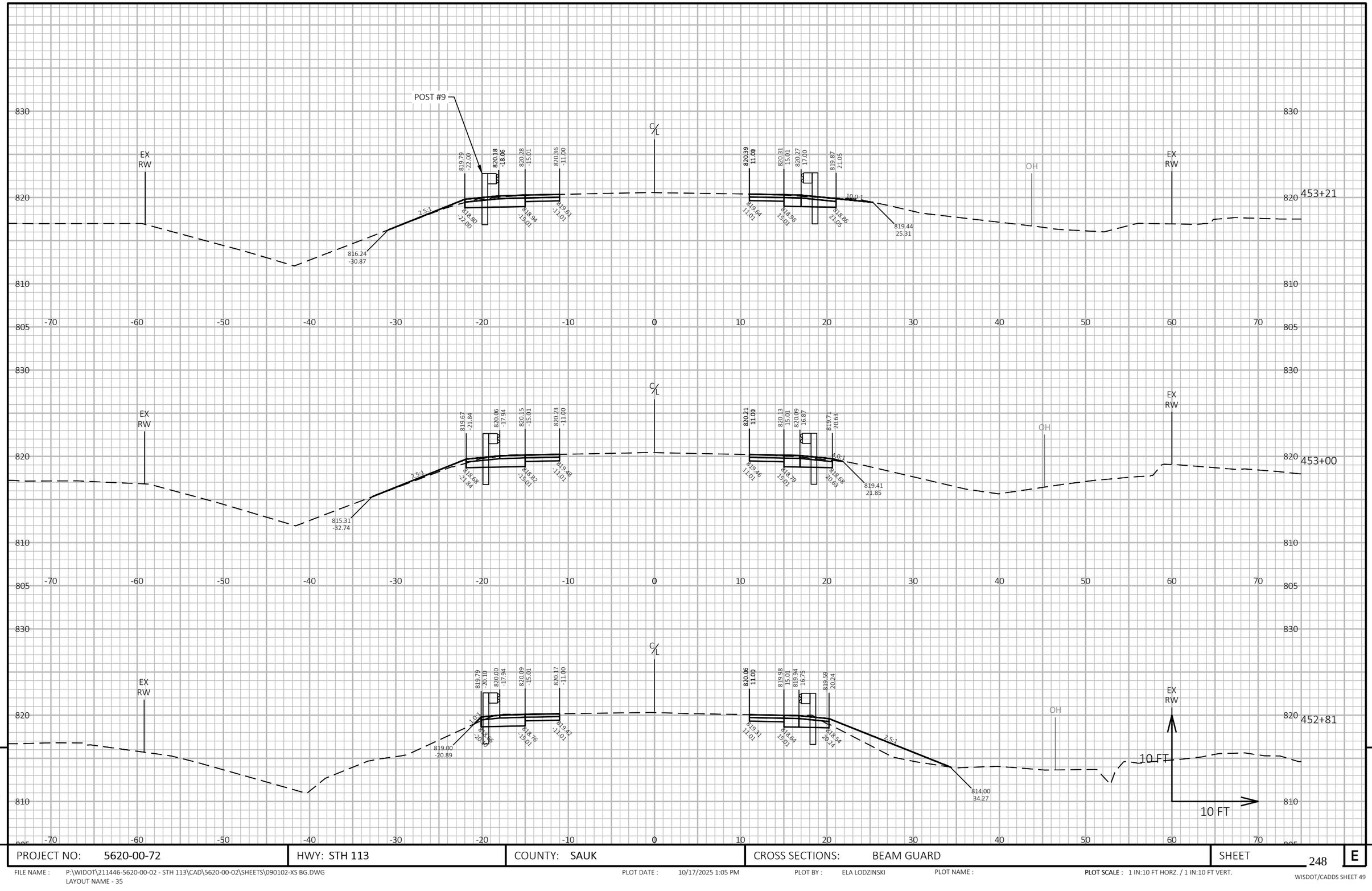
PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 247	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 34

PLOT DATE : 10/17/2025 1:05 PM PLOT BY : ELA LODZINSKI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 248	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 35

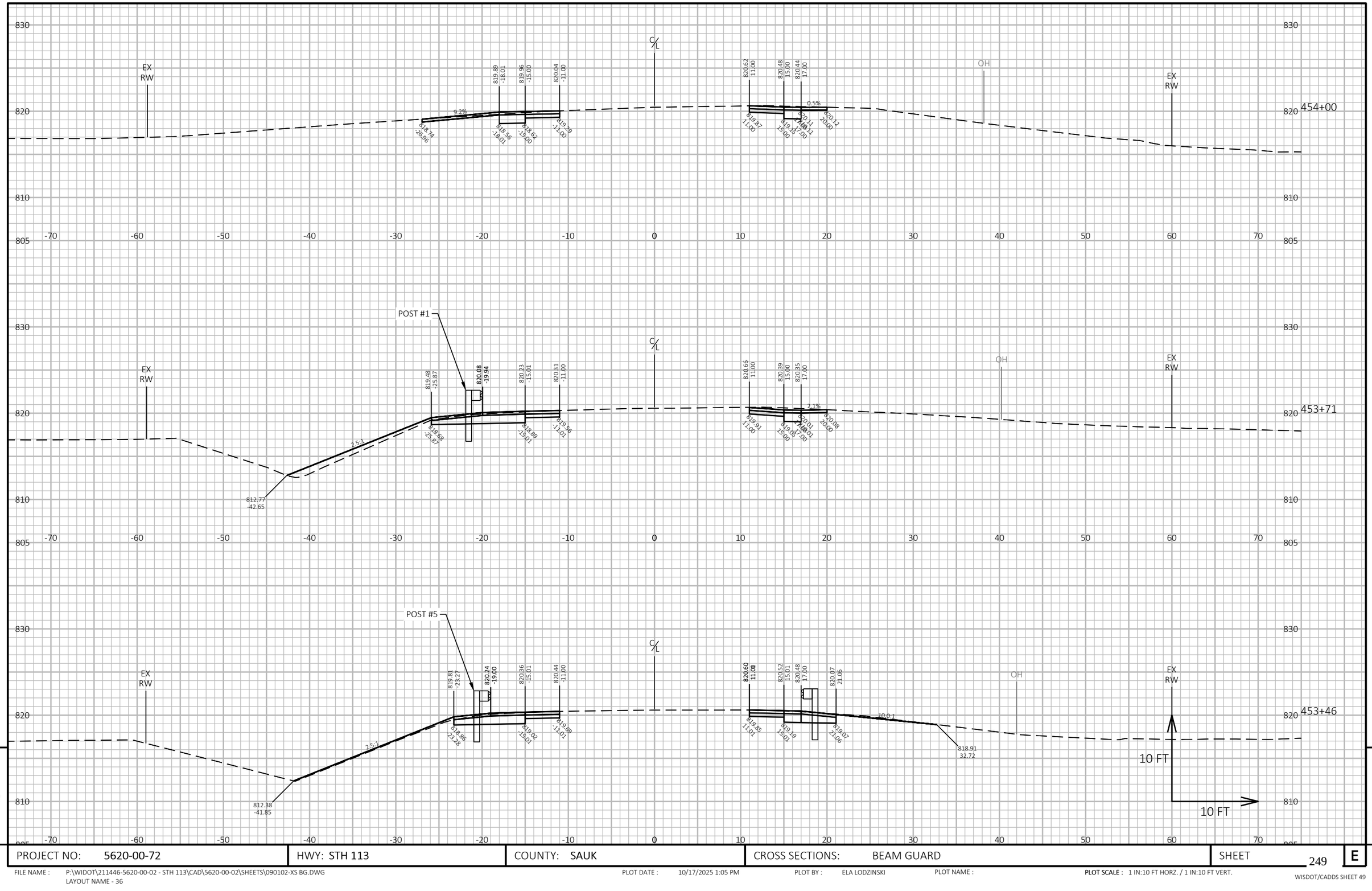
PLOT DATE : 10/17/2025 1:05 PM

PLOT BY : ELA LODZINSKI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

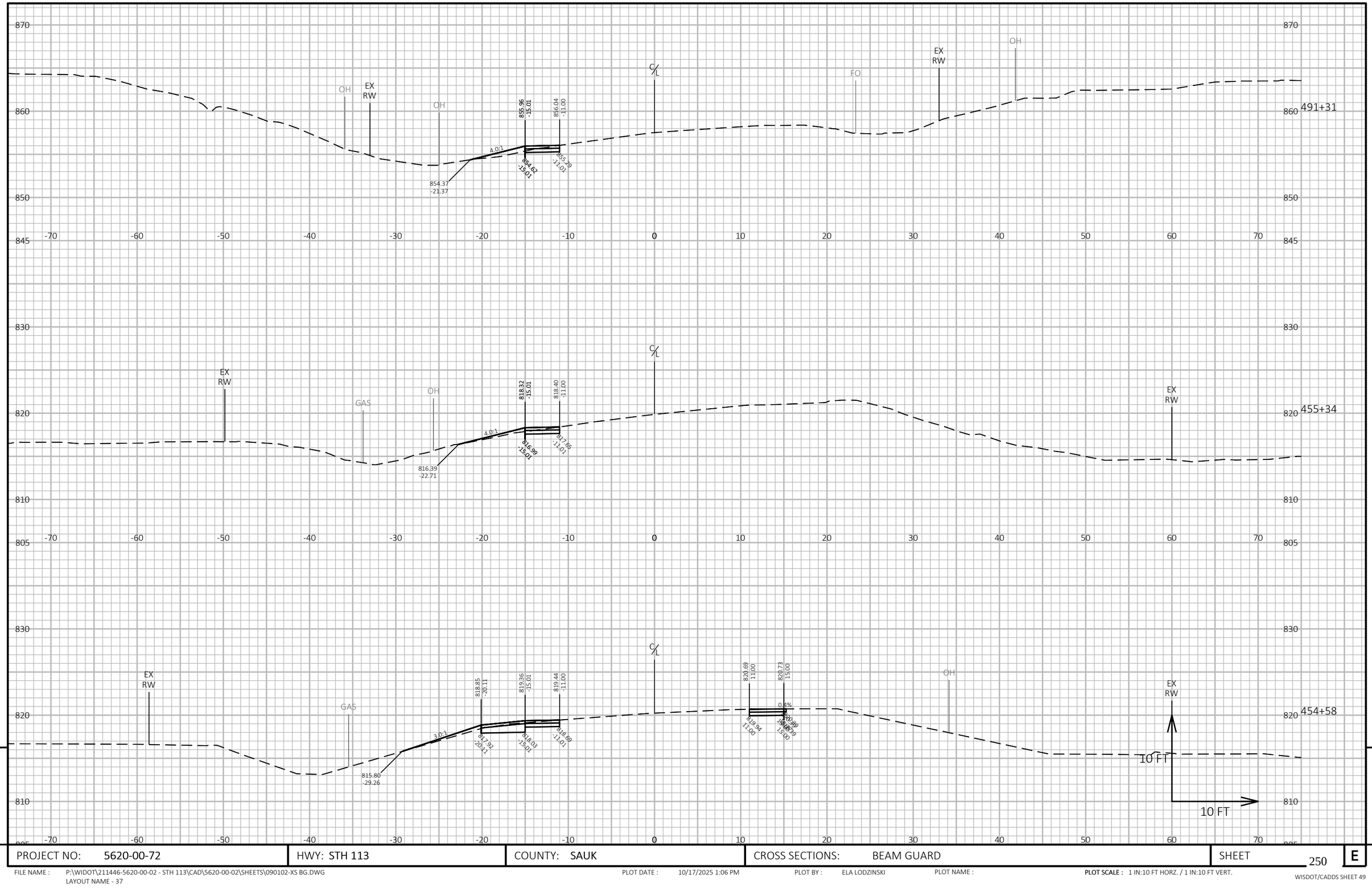


PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 249	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 36

PLOT DATE : 10/17/2025 1:05 PM PLOT BY : ELA LODZINSKI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

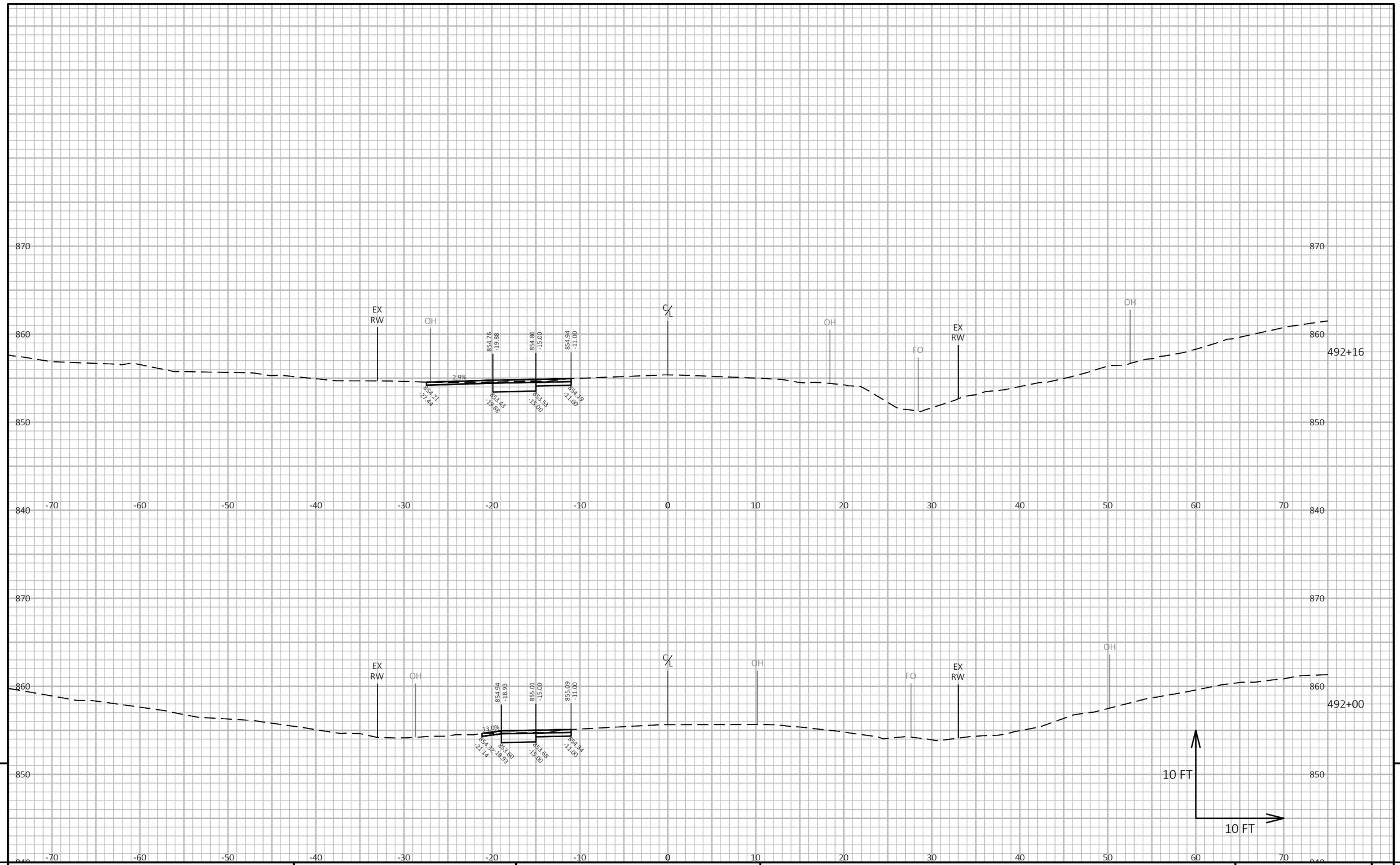


PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 250 E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 37

PLOT DATE : 10/17/2025 1:06 PM PLOT BY : ELA LODZINSKI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 251	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 38

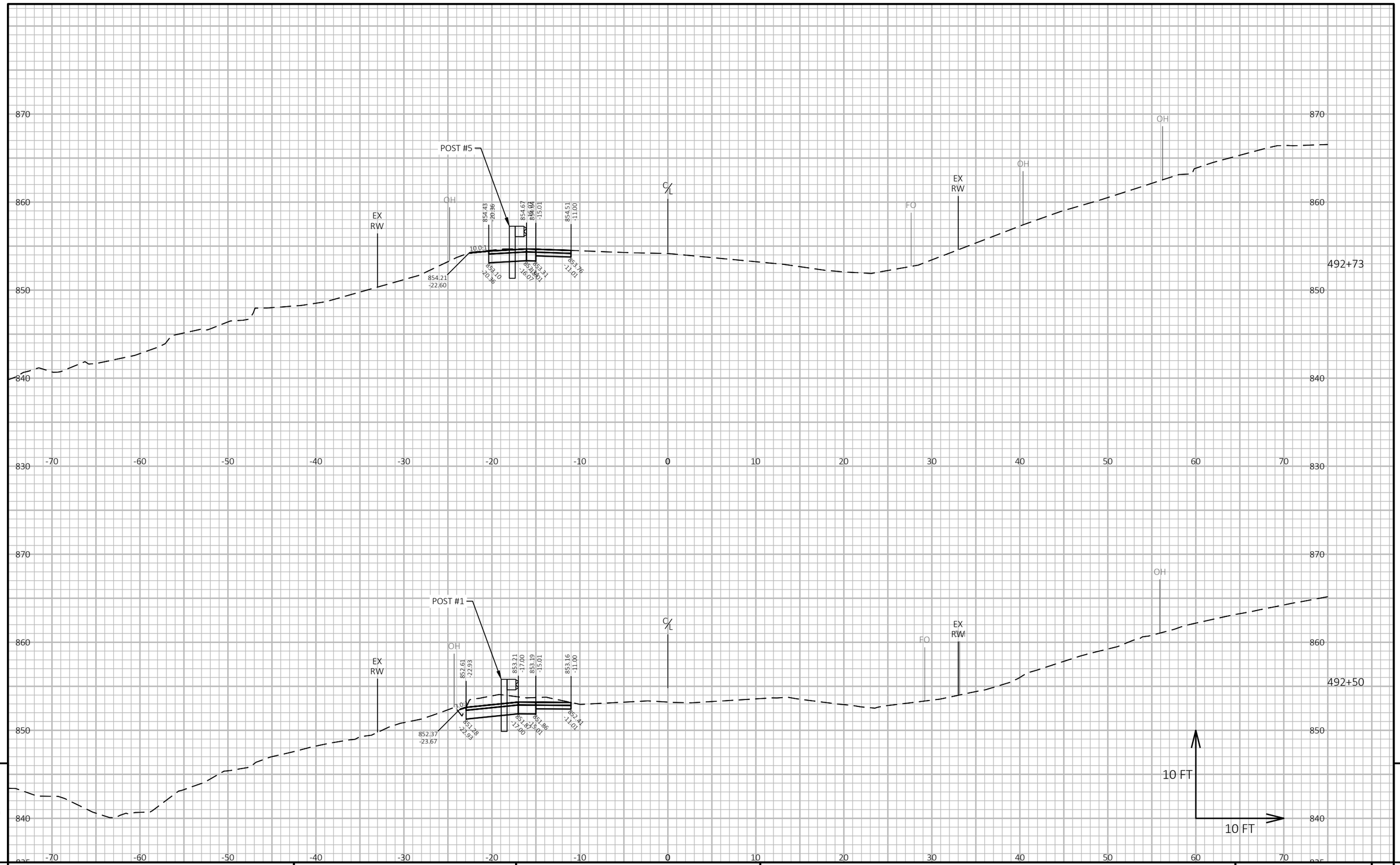
PLOT DATE : 10/17/2025 1:06 PM

PLOT BY : ELA LODZINSKI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 252	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 39

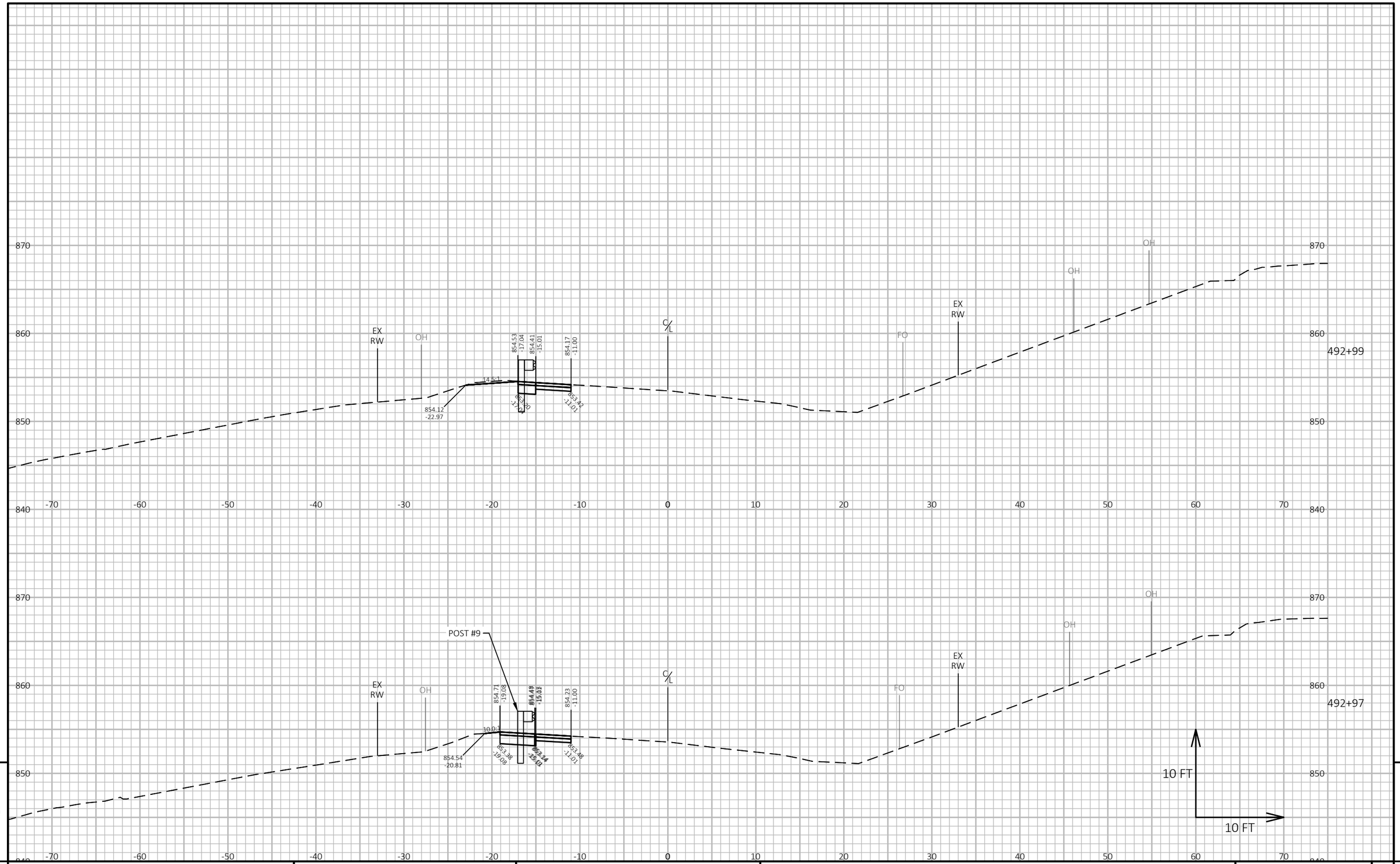
PLOT DATE : 10/17/2025 1:06 PM

PLOT BY : ELA LODZINSKI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 253	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 40

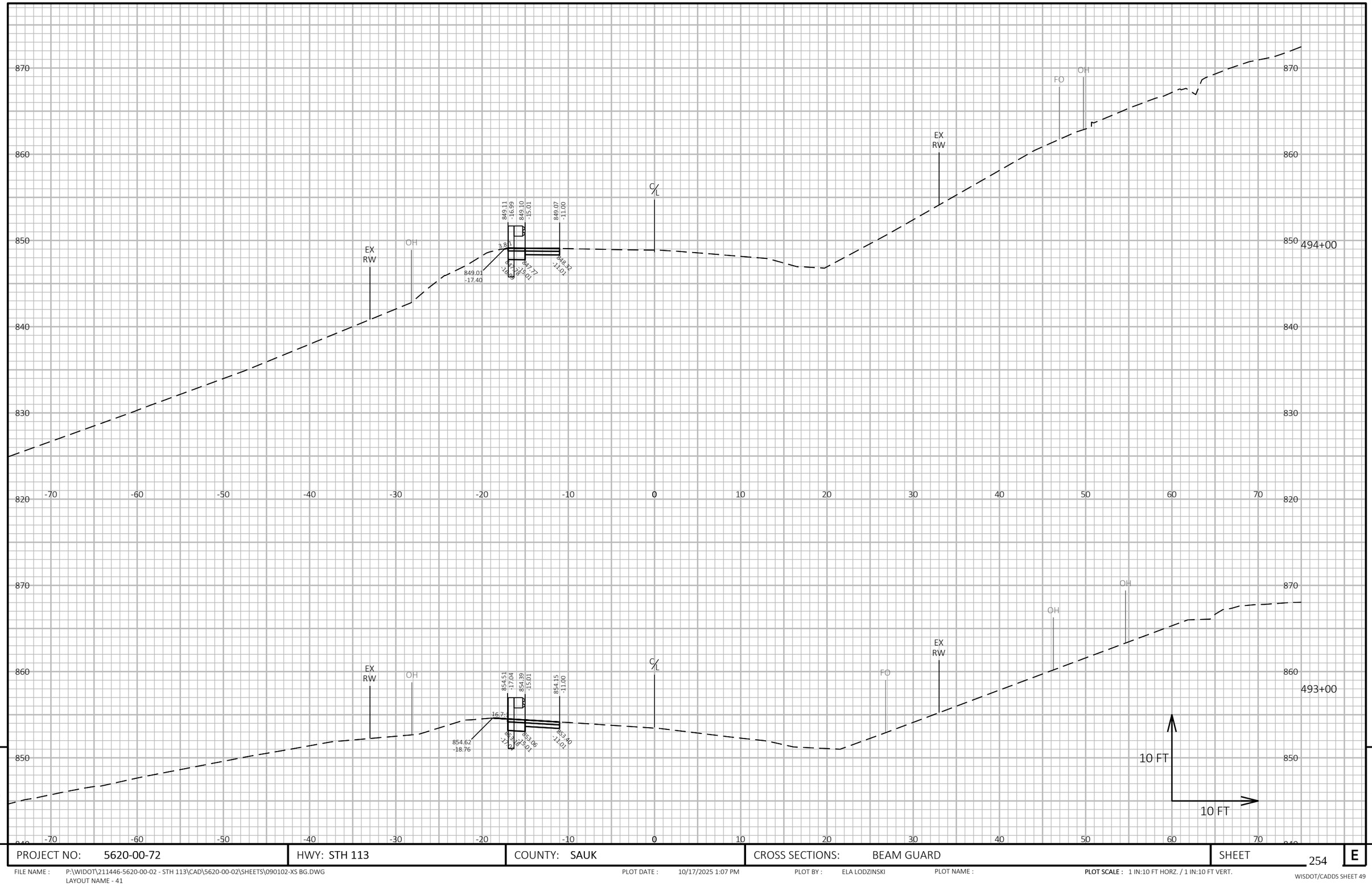
PLOT DATE : 10/17/2025 1:06 PM

PLOT BY : ELA LODZINSKI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 254	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 41

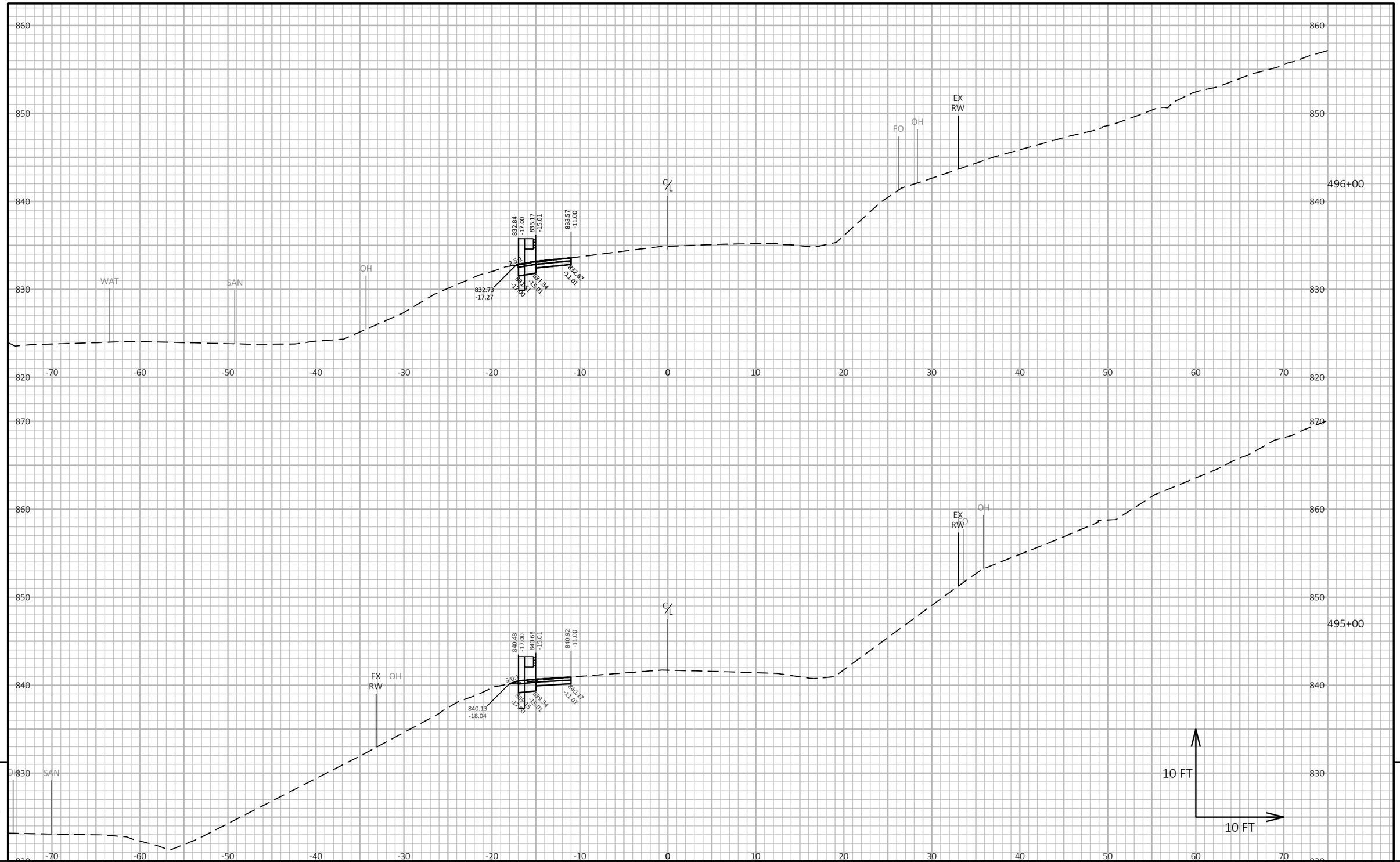
PLOT DATE : 10/17/2025 1:07 PM

PLOT BY : ELA LODZINSKI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 255	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 42

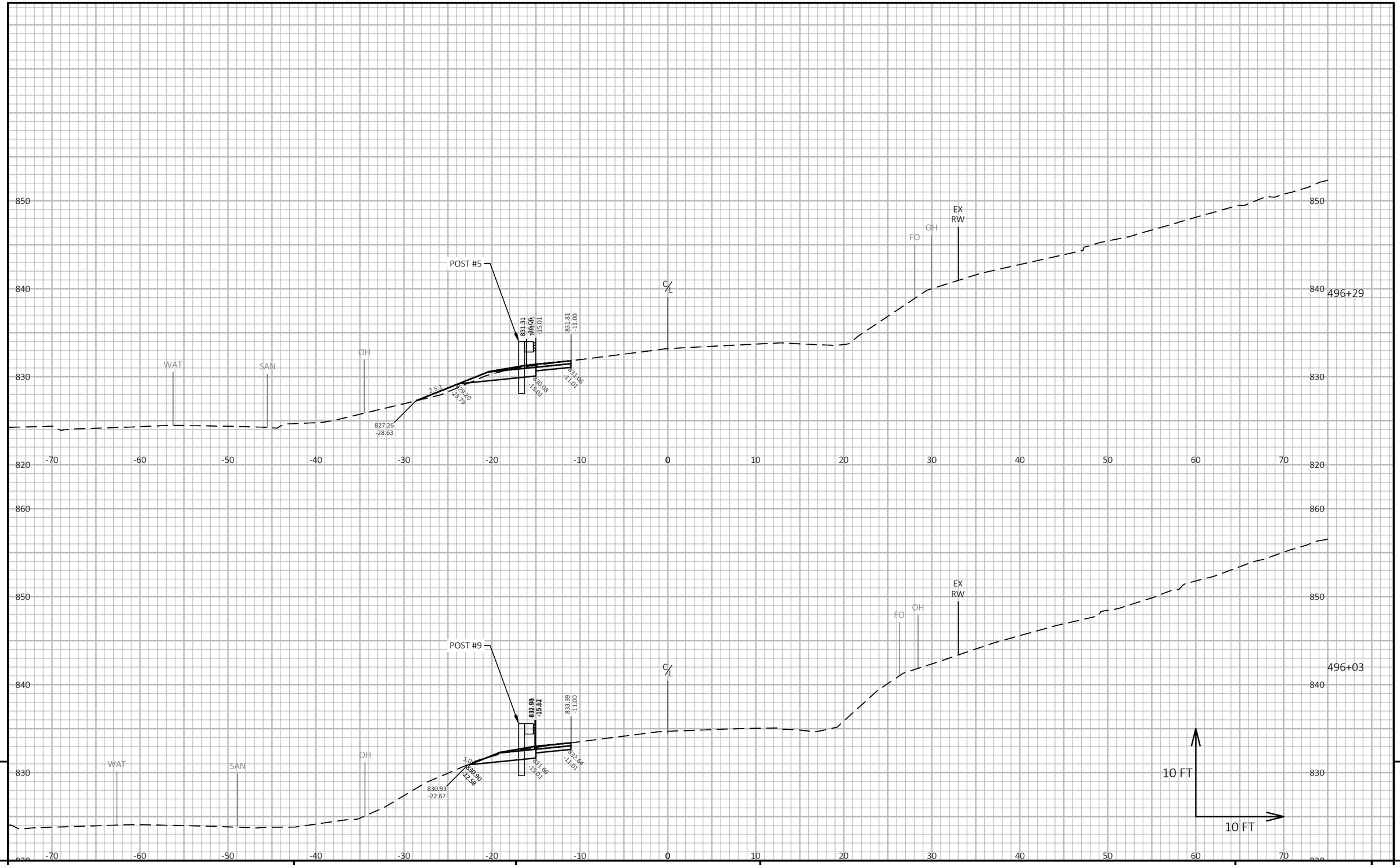
PLOT DATE : 10/17/2025 1:07 PM

PLOT BY : ELA LODZINSKI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 256	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 43

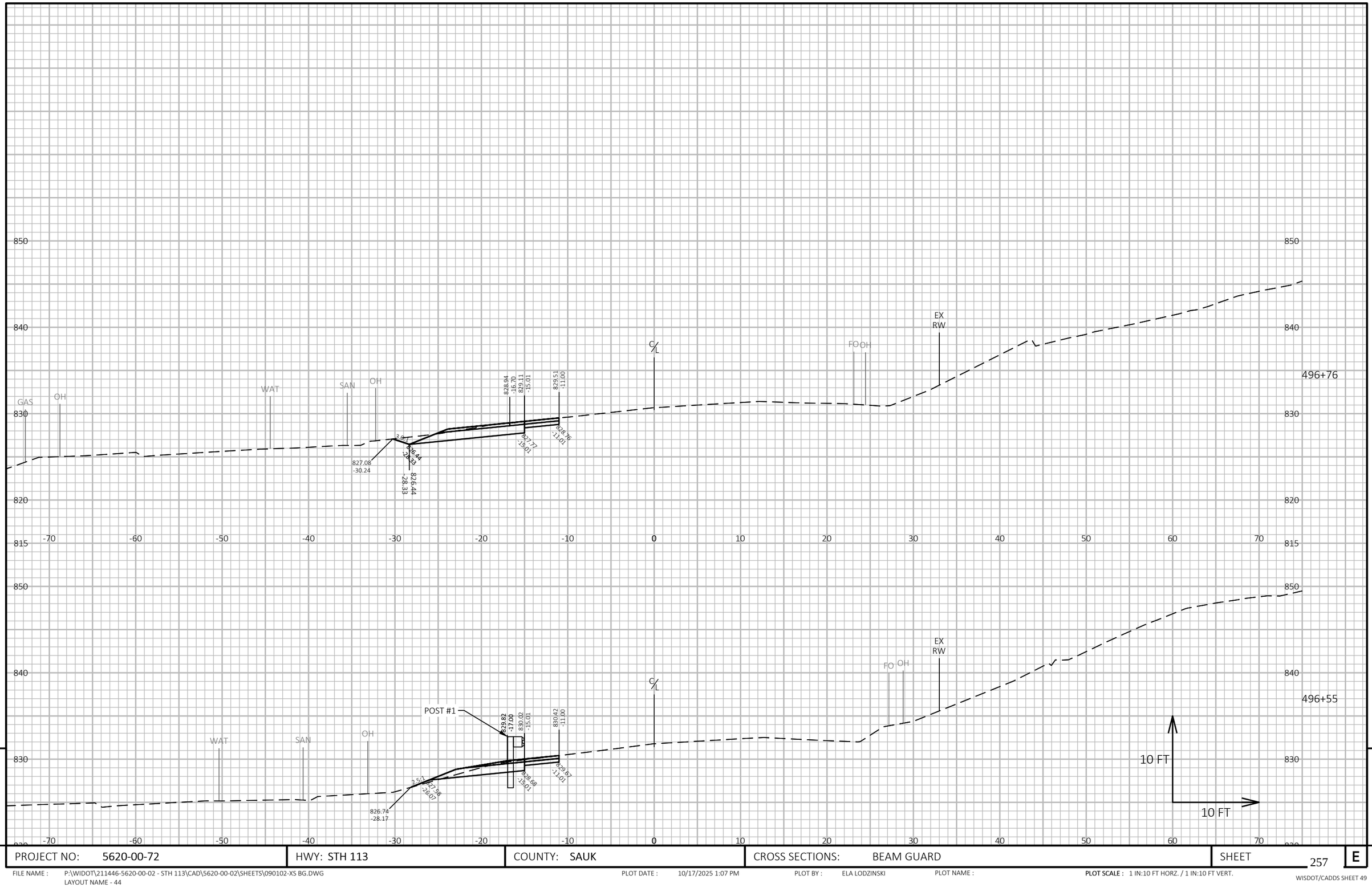
PLOT DATE : 10/17/2025 1:07 PM

PLOT BY : ELA LODZINSKI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: BEAM GUARD	SHEET 257	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090102-XS BG.DWG
LAYOUT NAME - 44

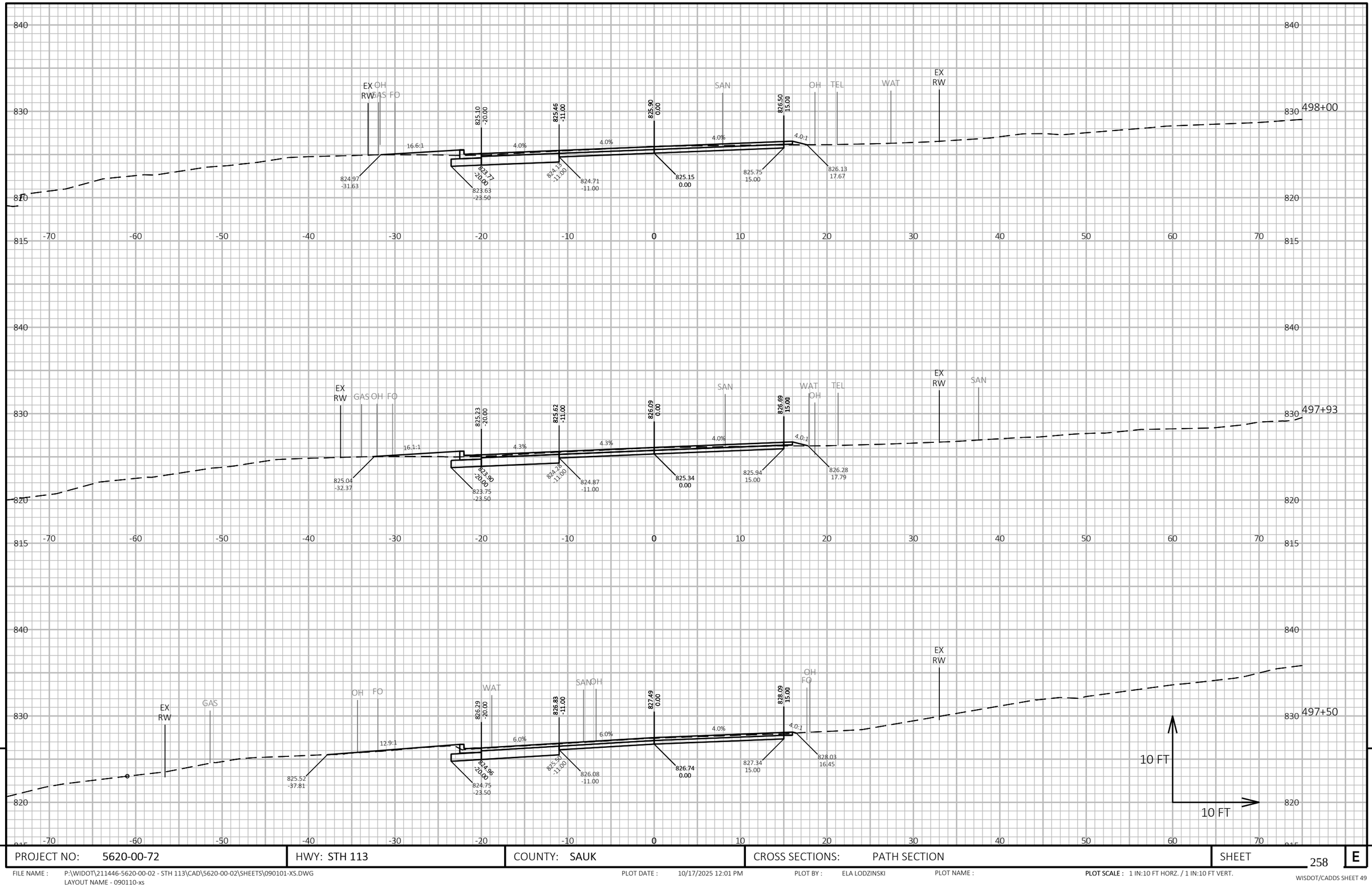
PLOT DATE : 10/17/2025 1:07 PM

PLOT BY : ELA LODZINSKI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: PATH SECTION	SHEET 258	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090101-XS.DWG
LAYOUT NAME - 090110-xs

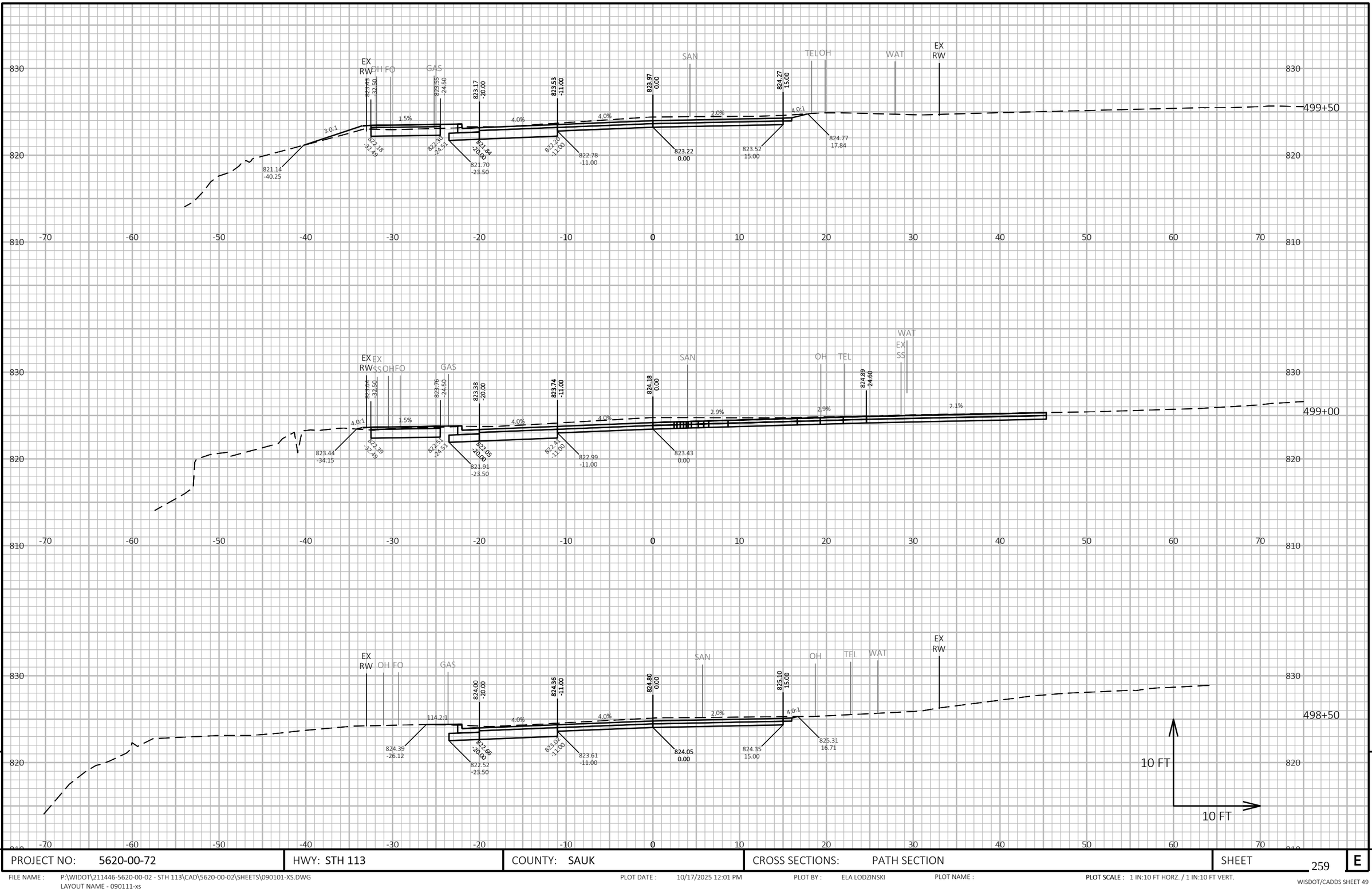
PLOT DATE : 10/17/2025 12:01 PM

PLOT BY : ELA LODZINSKI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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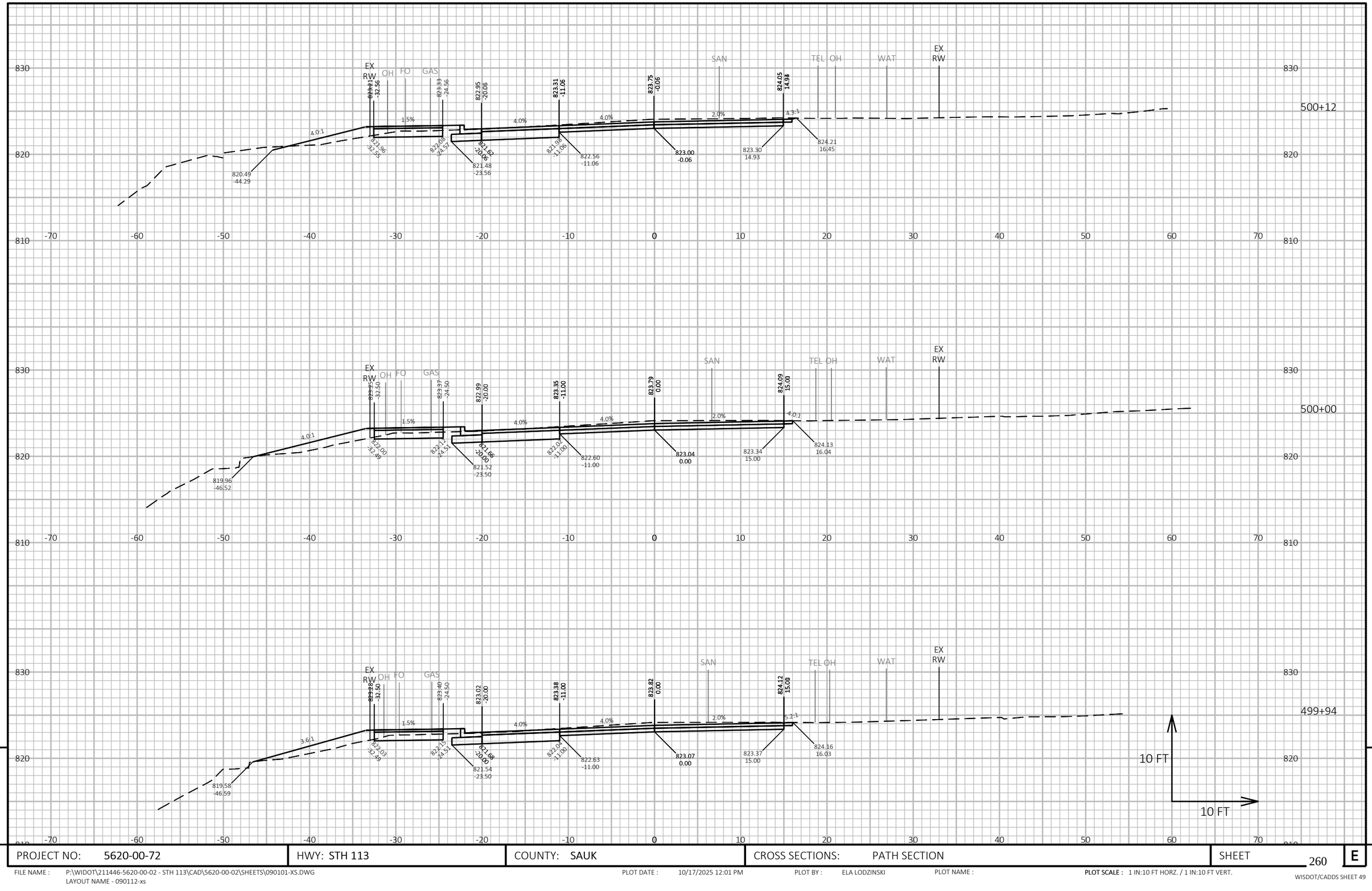
PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: PATH SECTION	SHEET 259	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090101-XS.DWG
LAYOUT NAME - 090111-xs

PLOT DATE : 10/17/2025 12:01 PM PLOT BY : ELA LODZINSKI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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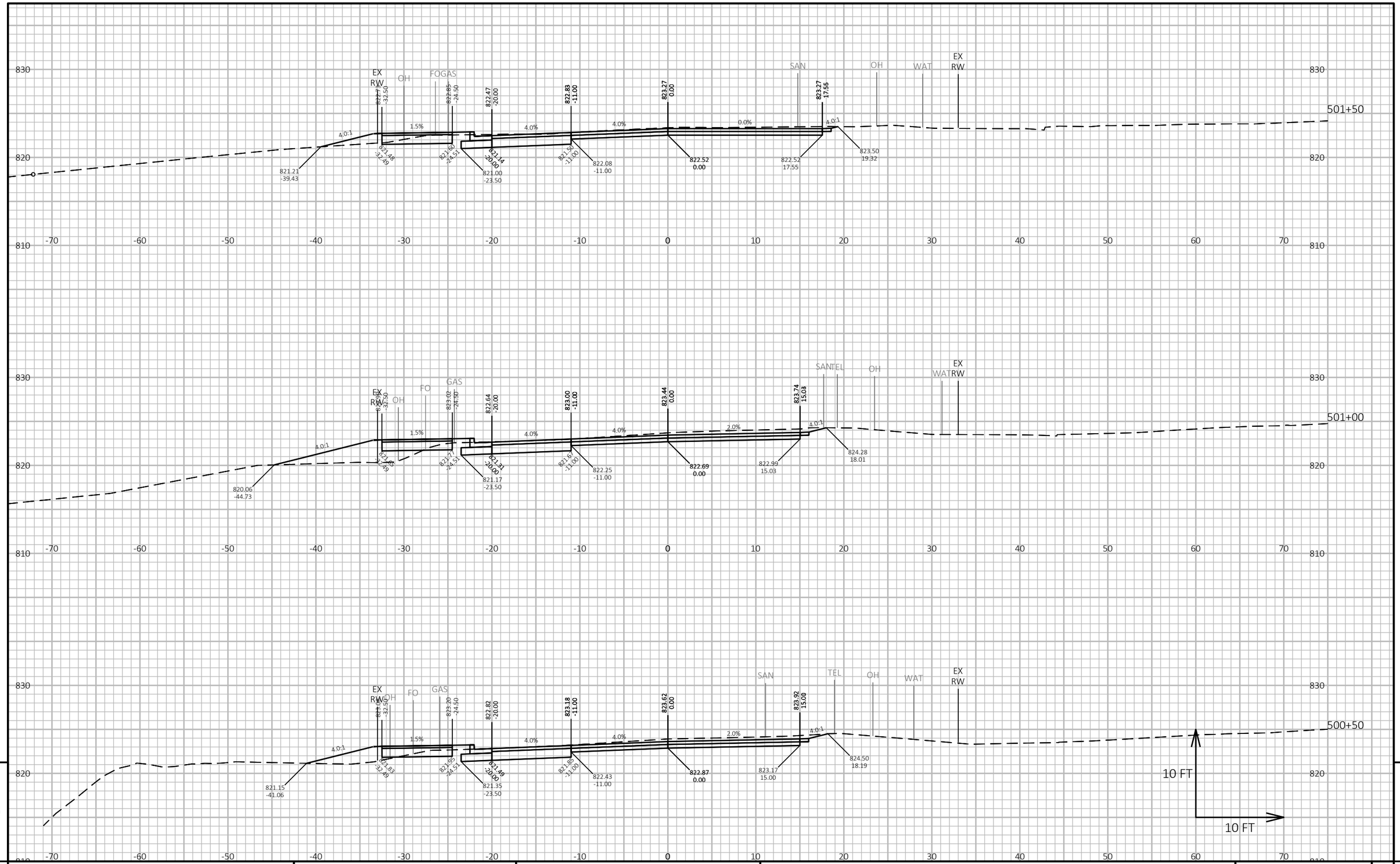
9

PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: PATH SECTION	SHEET 260	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090101-XS.DWG
LAYOUT NAME - 090112-xs

PLOT DATE : 10/17/2025 12:01 PM PLOT BY : ELA LODZINSKI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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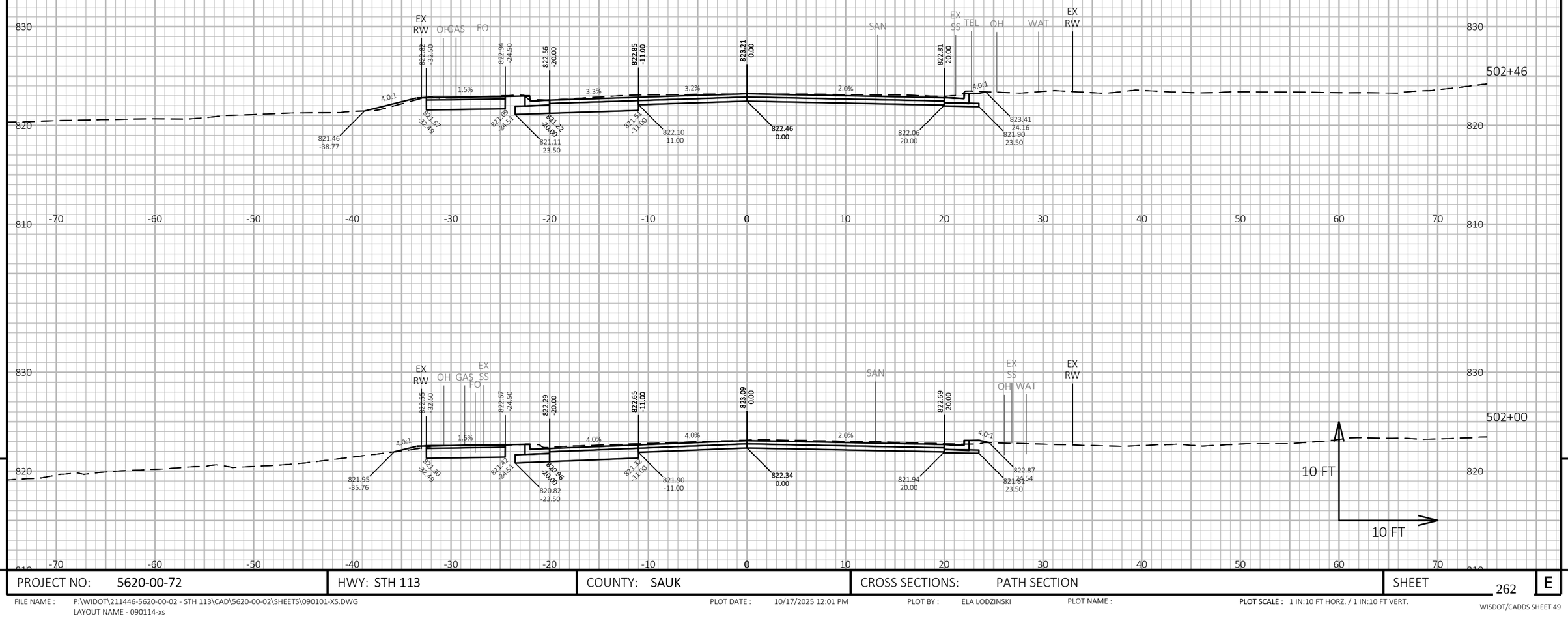
PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: PATH SECTION	SHEET 261	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090101-XS.DWG
LAYOUT NAME - 090113-xs

PLOT DATE : 10/17/2025 12:01 PM PLOT BY : ELA LODZINSKI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

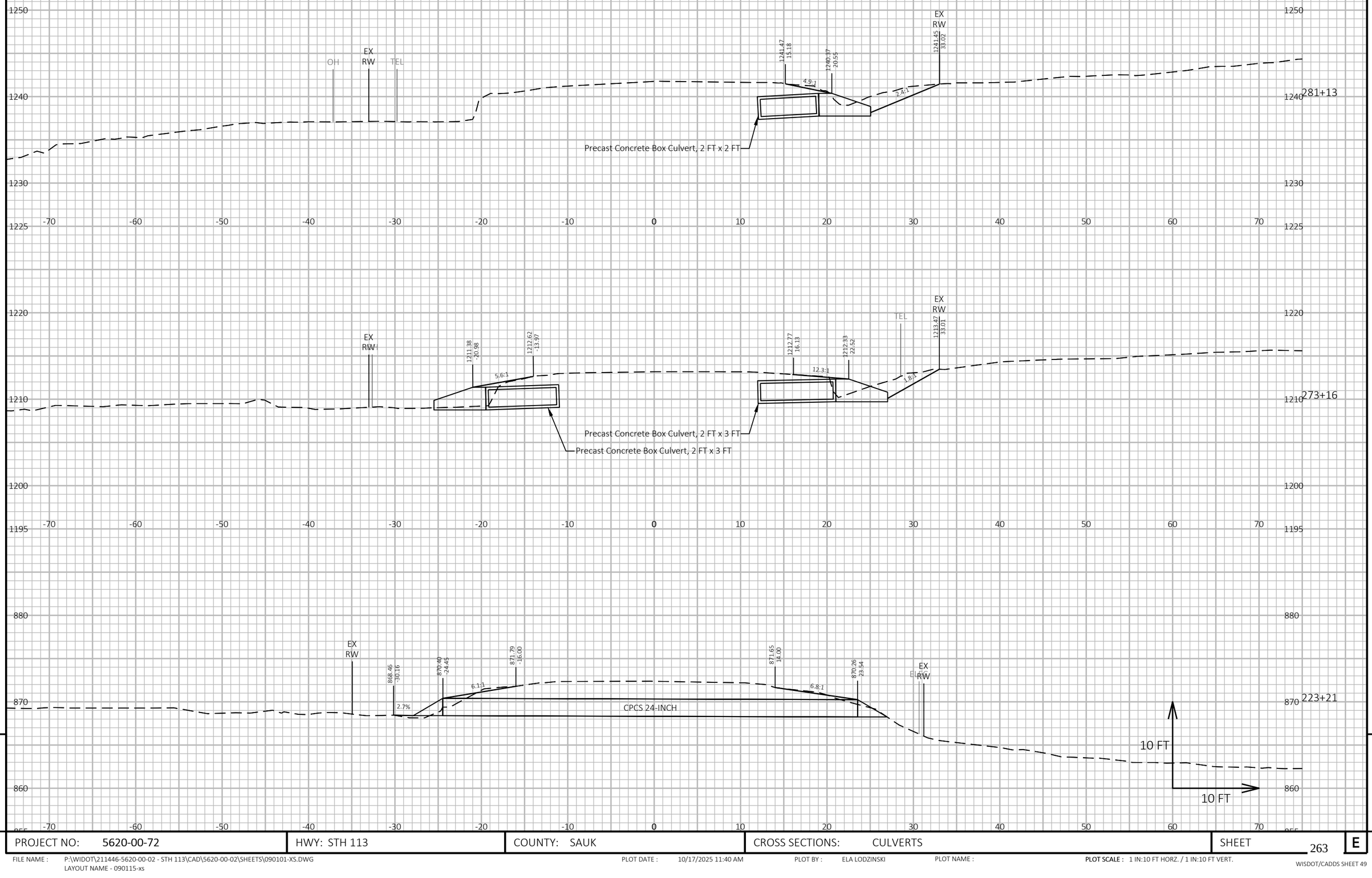


PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: PATH SECTION	SHEET 262	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090101-XS.DWG
LAYOUT NAME - 090114-xs

PLOT DATE : 10/17/2025 12:01 PM PLOT BY : ELA LODZINSKI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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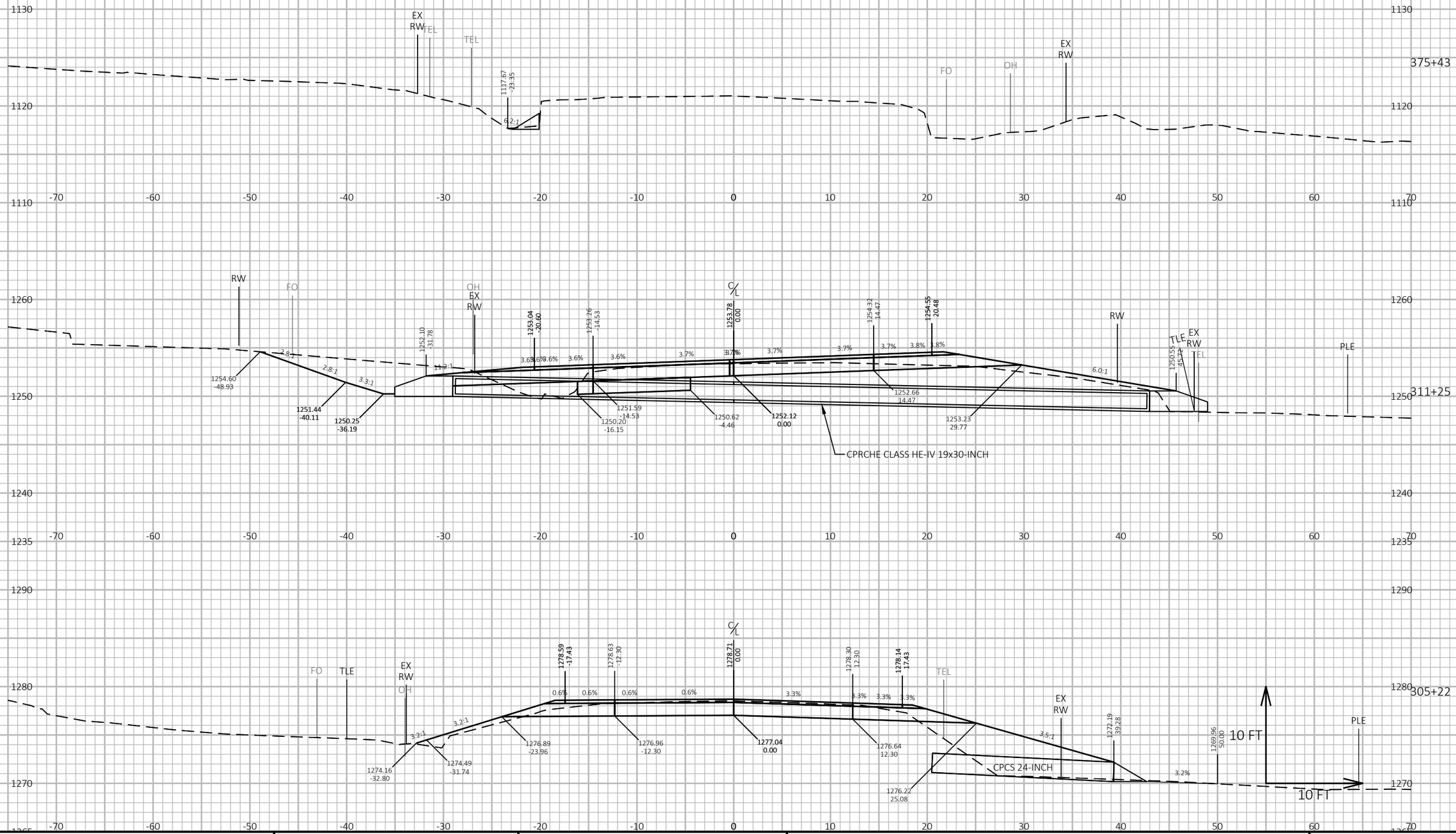
PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: CULVERTS	SHEET 263	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090101-XS.DWG
LAYOUT NAME - 090115-xs

PLOT DATE : 10/17/2025 11:40 AM PLOT BY : ELA LODZINSKI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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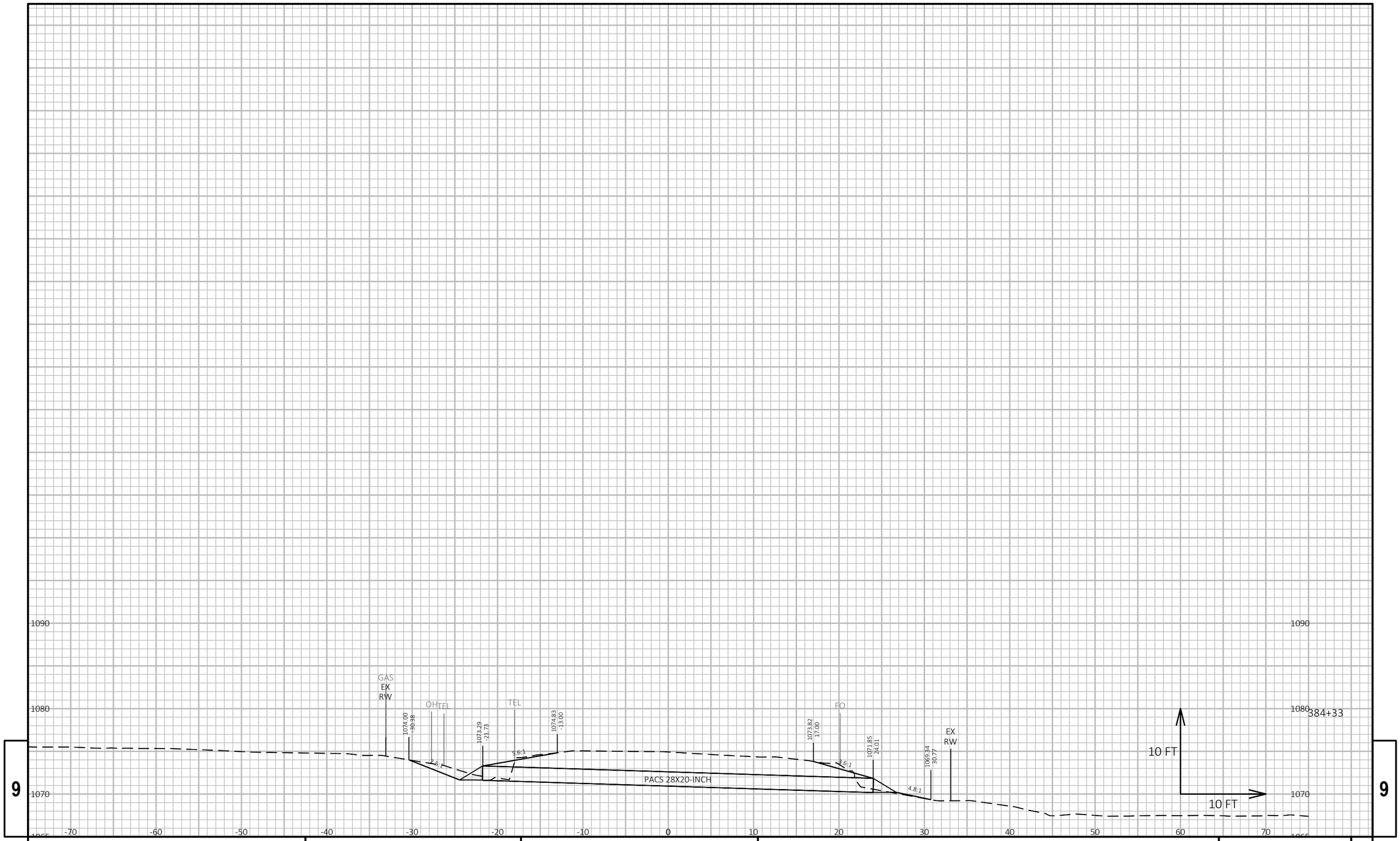
PROJECT NO: 5620-00-72, 5620-00-73	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: CULVERTS	SHEET 264	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090101-XS.DWG
LAYOUT NAME - 090116-xs

PLOT DATE : 10/17/2025 11:40 AM PLOT BY : ELA LODZINSKI PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5620-00-72	HWY: STH 113	COUNTY: SAUK	CROSS SECTIONS: CULVERTS	SHEET 265	E

FILE NAME : P:\WIDOT\211446-5620-00-02 - STH 113\CAD\5620-00-02\SHEETS\090101-XS.DWG
LAYOUT NAME - 090117-xs

PLOT DATE : 10/17/2025 11:40 AM PLOT BY : ELA LODZINSKI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

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