EAU

PROJECT ID: 1630-00-72

WITH: N/A

COUNTY: TREMPEALEAU

DECEMBER 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 = 192



38

DESIGN DESIGNATION

A.A.D.T.	(2027)	=	3,320
A.A.D.T.	(2047)	=	3,320
D.H.V.		=	N/A
D.D.		=	50/50
T.		=	24.9%
DESIGN SPEED		=	55 MPH
ESALS		=	1,630,000

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 (30'EB')
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE

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

UTILITIES

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1630-00-72	WISC 2027086	1

GALESVILLE - WHITEHALL

BEAVER CR TO STH 95 W

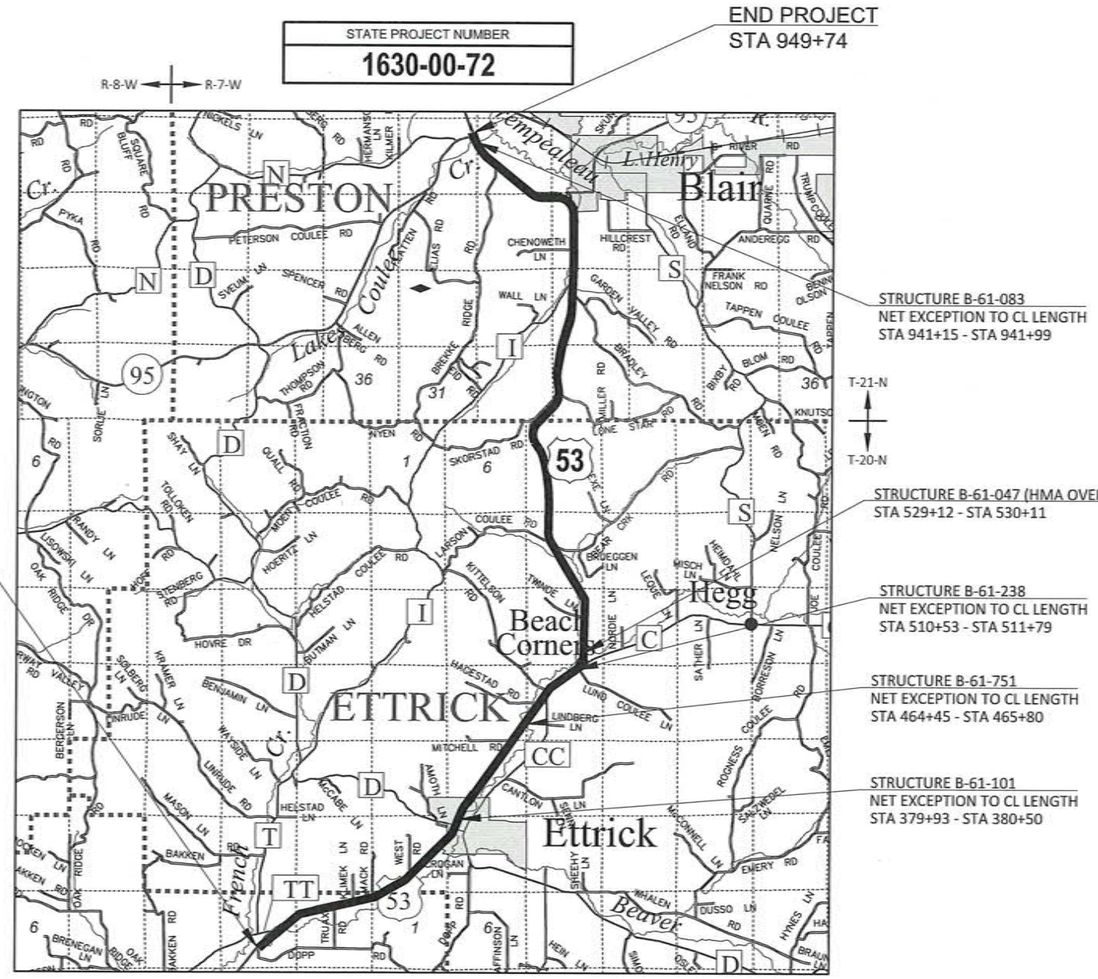
USH 53

TREMPEALEAU COUNTY

STATE PROJECT NUMBER
1630-00-72

END PROJECT
STA 949+74

BEGIN PROJECT
STA 215+27
Y = 359742.150
X = 854586.912



STRUCTURE B-61-083
NET EXCEPTION TO CL LENGTH
STA 941+15 - STA 941+99

STRUCTURE B-61-047 (HMA OVERLAY)
STA 529+12 - STA 530+11

STRUCTURE B-61-238
NET EXCEPTION TO CL LENGTH
STA 510+53 - STA 511+79

STRUCTURE B-61-751
NET EXCEPTION TO CL LENGTH
STA 464+45 - STA 465+80

STRUCTURE B-61-101
NET EXCEPTION TO CL LENGTH
STA 379+93 - STA 380+50

LAYOUT
SCALE 0 2 MI

TOTAL NET LENGTH OF CENTERLINE = 13.83 MI

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

ORIGINAL PLANS PREPARED BY

CORRE ENGINEERING

MADISON | EAU CLAIRE | WAUKESHA | APPLETON | TOMAH | WITTENBERG

WISCONSIN
JOSHUA A WEISS
E-37150
OREGON WI
PROFESSIONAL ENGINEER

Josh Weiss

Digitally signed by Josh Weiss
DN: C=US, E=jweiss@corre-inc.com, O=CORRE Inc., CN=Josh Weiss
Date: 2026.07.21 05:56:04-05'00'

DATE: _____ (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	CORRE, INC.
Designer	CORRE, INC.
Project Manager	BRAD SCHULTZ
Regional Examiner	TOU YANG
Regional Supervisor	JOHN BAINTER

APPROVED FOR THE DEPARTMENT

DATE 7/22/2026 (Signature)

E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\010101-TI.DWG PLOT DATE : 7/2/2026 12:42 PM PLOT BY : NICHOLAS WATHKE, PE PLOT NAME :

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.
- THE CONTRACTOR SHALL COORDINATE THEIR CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE PROJECT AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.
- RIGHT-OF-WAY SHOWN ON THE PLANS IS APPROXIMATE AND BASED ON COUNTY DATA
- MATCH EXISTING SUPERELEVATIONS OR AS DIRECTED BY THE ENGINEER.

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

RUNOFF COEFFICIENT TABLE

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

TOTAL PROJECT AREA = 111 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 1.72 ACRES

UTILITY CONTACTS

COMMUNICATIONS

BRIGHTSPEED OF CENTRAL WISCONSIN - COMMUNICATION

TOM MURAY
1905 WARD AVENUE S
LA CROSSE, WI 54601
PHONE: (980) 376-1572
EMAIL: TOM.MURRAY@BRIGHTSPEED.COM

SPECTRUM

TOM LICHTENWALD
1886 COMMERCE DRIVE
DEPERE, WI 54115
PHONE: (920) 371-1904
EMAIL: TLICHTENWALD@TAKCOMMUNICATIONS

TRI-COUNTY COMMUNICATIONS COOPERATIVE

JAY KONSELA
417 5TH AVE N
PO BOX 578
STRUM, WI 54770
PHONE: (715) 695-2691
EMAIL: JAYKONSELA@TCCPRO.NET

ELECTRIC

ATC - TRANSMISSION

DOUG VOSBERG
2489 RINDEN ROAD
COTTAGE GROVE, WI 53527
PHONE: (608) 877-7650
EMAIL: DVOSBERG@ATCLLC.COM

DAIRYLAND POWER COOPERATIVE

MICHAEL LYDON
3200 EAST AVE SOUTH
PO BOX 817
LA CROSSE, WI 54602
PHONE: (608) 781-1011
EMAIL: MICHAEL.LYDON@DAIRYLANDPOWER.COM

RIVERLAND ENERGY COOPERATIVE

RO SASALLAÈ
N28988 STH 93
PO BOX 277
ARCADIA, WI 54612
PHONE: (608) 323-3381
EMAIL: RSOSALLA@RIVERLANDENERGY.COM

XCEL ENERGY - TRANSMISSION

MITCHELL DIENGER
414 NICOLLET MALL
MINNEAPOLIS, MN 55401
PHONE: (612) 321-3106
EMAIL: MITCHELL.A.DIENGER@XCELENERGY.COM

GAS

MIDWEST NATURAL GAS, INC.

NICK MAIER
3600 STH 157
PO BOX 429
LA CROSSE, WI 54602
PHONE: (608) 781-1011
EMAIL: NMAIER@MIDWESTNATURALGAS.COM

NORTHERN NATURAL GAS COMPANY

PHIL CURRY
5557 COUNTY D
PLATTEVILLE, WI 53818
PHONE: (402) 530-2801
EMAIL: PHILLIP.CURRY@NNGCO.COM

WE ENERGIES

LARRY KOCH
1921 8TH STREET SOUTH
WISCONSIN RAPIDS, WI 54494
PHONE: (715) 421-7249
EMAIL: LARRY.KOCH@WE-ENERGIES.COM

WATER/SANITARY

ETRICK MUN WATER AND SEWER UTILITY - WATER & SEWER

CARSON HACKETT
115 6TH STREET SOUTH
LA CROSSE, WI 54601
PHONE: (608) 782-3130
EMAIL: CHACKETT@DAVYINC.COM

CONSULTANT CONTACT

CORRE, INC.

JOSH WEISS, PE
6510 GRAND TETON PLAZA, SUITE 314
MADISON, WI 53719
PHONE: (608) 826-6140
EMAIL: JWEISS@CORREINC.COM

DNR CONTACT

NORTHWEST REGION

AMY LESIK
1300 WEST CLAIREMONT AVE
EAU CLAIRE, WI 54701
PHONE: (715) 415-1903
EMAIL: AMYL.LESIK@WISCONSIN.GOV

ORDER OF SECTION 2 SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS

2

N

BEGIN PROJECT
STA 215+27
Y=359742.150
X=854586.912

STRUCTURE B-61-101
EXCEPTION TO CL LENGTH
STA 379+93 - STA 380+50

STRUCTURE B-61-751
NET EXCEPTION TO CL LENGTH
STA 464+45 - STA 465+80

STRUCTURE B-61-238
NET EXCEPTION TO CL LENGTH
STA 510+53 - STA 511+79

STRUCTURE B-61-047 (HMA OVERLAY)
STA 529+12 - STA 530+11

STRUCTURE B-61-083
NET EXCEPTION TO CL LENGTH
STA 941+15 - STA 941+99

STRUCTURE C-61-8310
STA 909+72 (SEAL JOINTS)

STRUCTURE C-61-8288
STA 712+55 (SEAL JOINTS)

END PROJECT
STA 949+74

50 100 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900 950

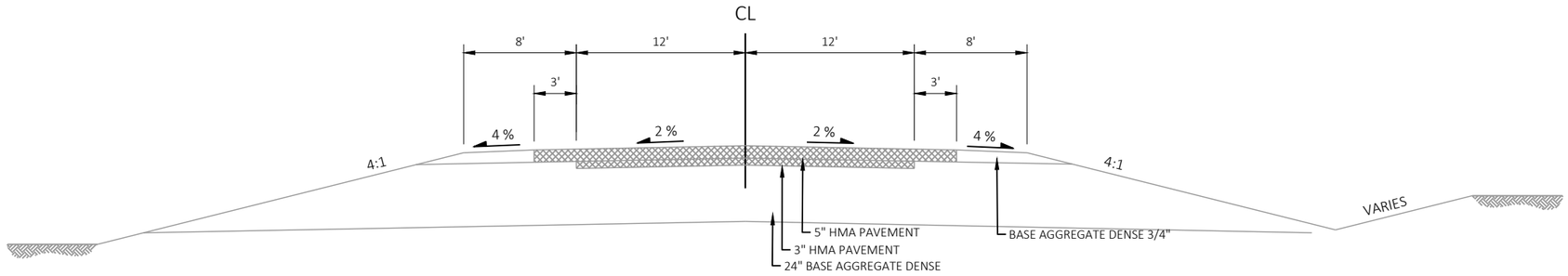
T D DD C I S

53 95

ETTRICK
BEACH CORNERS
LUNDE COULEE LN
NORTH FORK BEAVER CREEK
BEAR CREEK
BEAR CREEK RD
LONE STAR RD
TREMPEALEAU CREEK
BLAIR

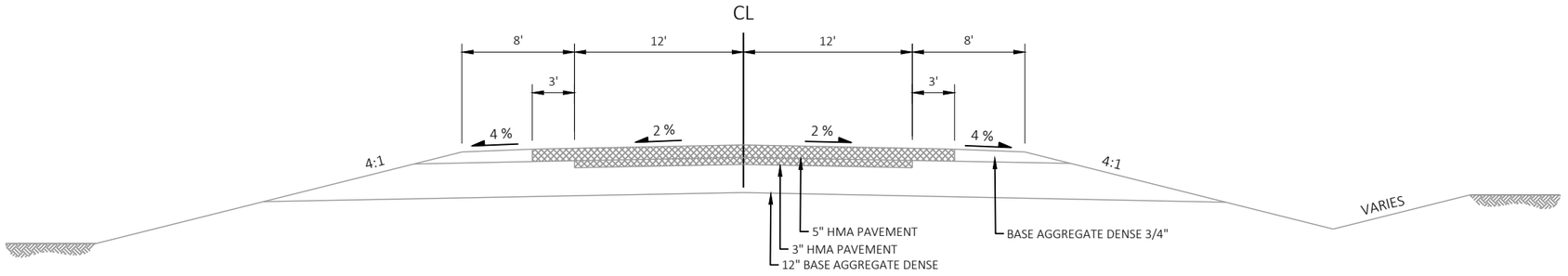
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LAYOUT NAME - 020201-po
PLOT DATE : 7/2/2026 12:43 PM
PLOT BY : NICHOLAS WATHKE, PE
PLOT NAME :
PLOT SCALE : 1 IN:1 MI
WISDOT/CADDS SHEET 42



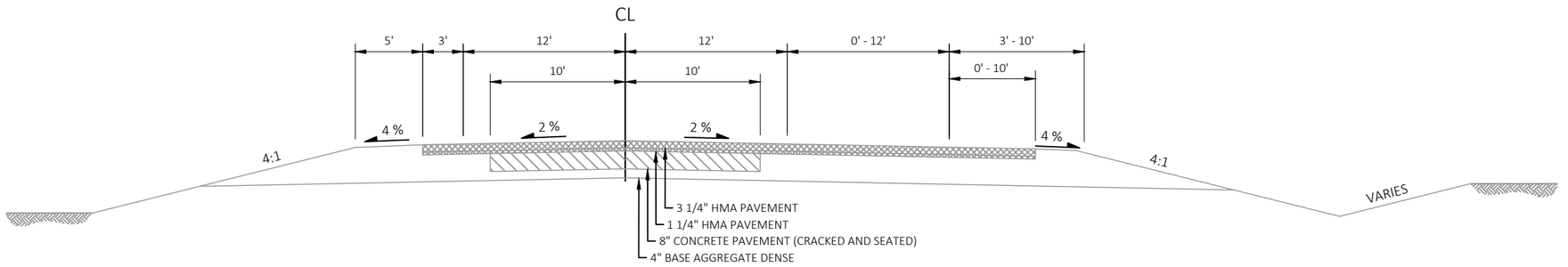
EXISTING TYPICAL SECTION - USH 53

STA 215+26 - 221+50



EXISTING TYPICAL SECTION - USH 53

STA 221+50 - 223+00



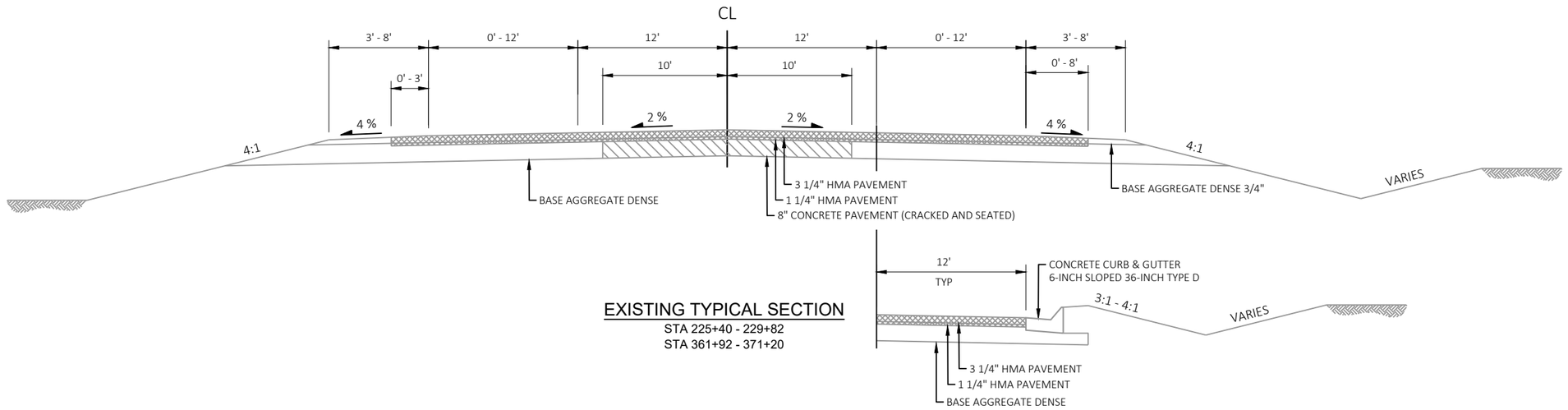
EXISTING TYPICAL SECTION - USH 53

STA 223+00 - 225+40

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	TYPICAL SECTIONS	SHEET 4	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020301-ts
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WISDOT/CADDS SHEET 42

2

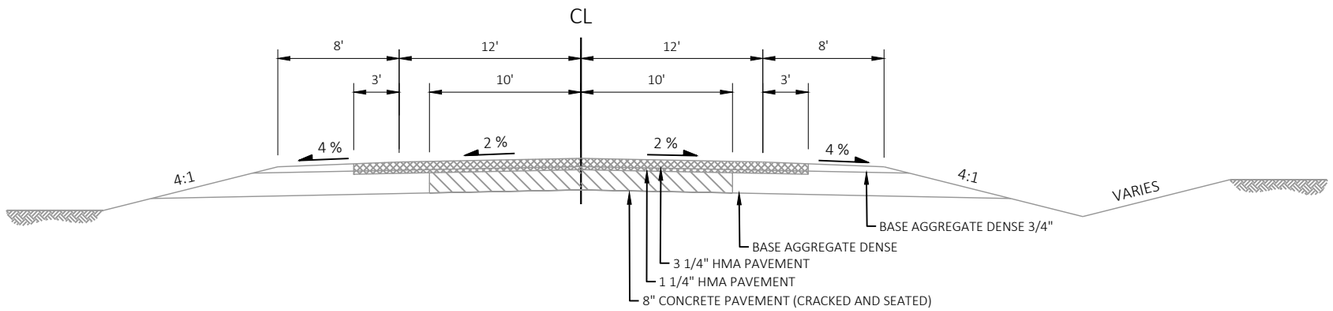


EXISTING TYPICAL SECTION

STA 225+40 - 229+82
STA 361+92 - 371+20

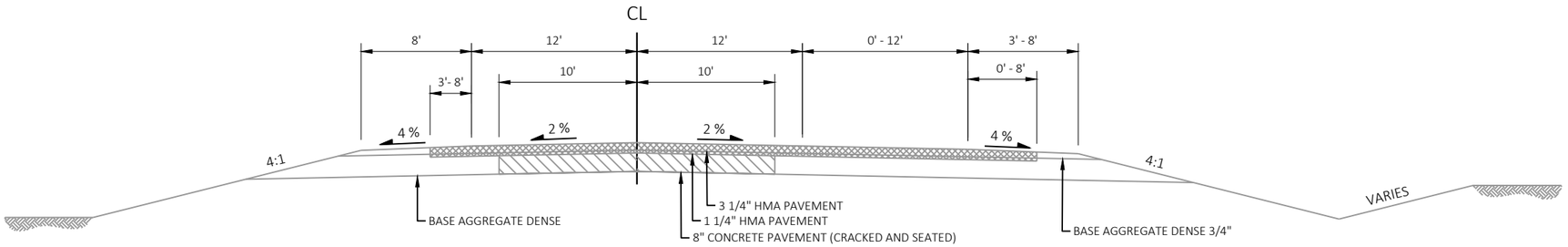
EXISTING TYPICAL SECTION CURB & GUTTER SECTION - USH 53

STA 366+97 - 367+69, RT



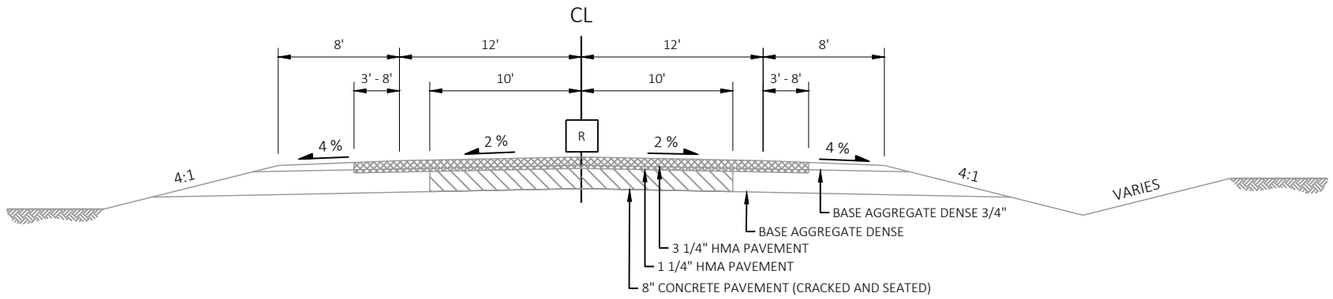
EXISTING TYPICAL SECTION - USH 53

STA 229+82 - 361+92
STA 371+20 - 373+59
STA 386+31 - 464+45
STA 465+80 - 485+33
STA 492+75 - 509+52



EXISTING TYPICAL SECTION - USH 53

STA 373+59 - 379+93



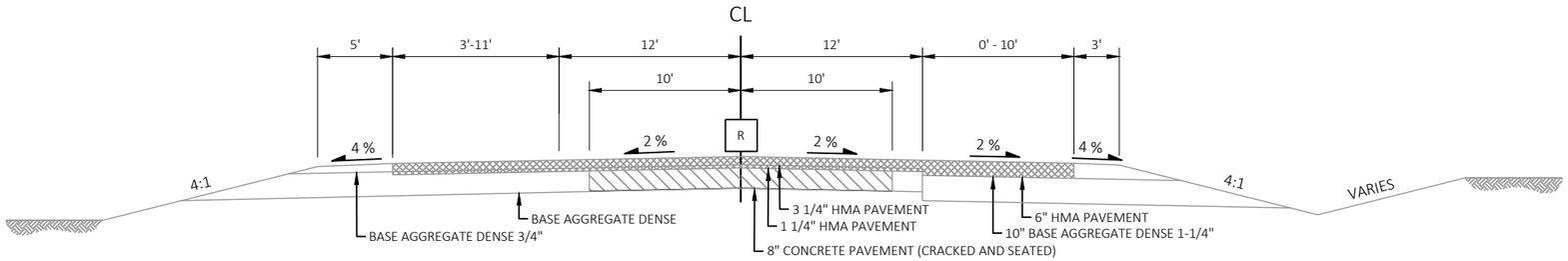
EXISTING TYPICAL SECTION - USH 53

STA 380+50 - 386+31

R EXISTING CENTERLINE RUMBLE STRIPS

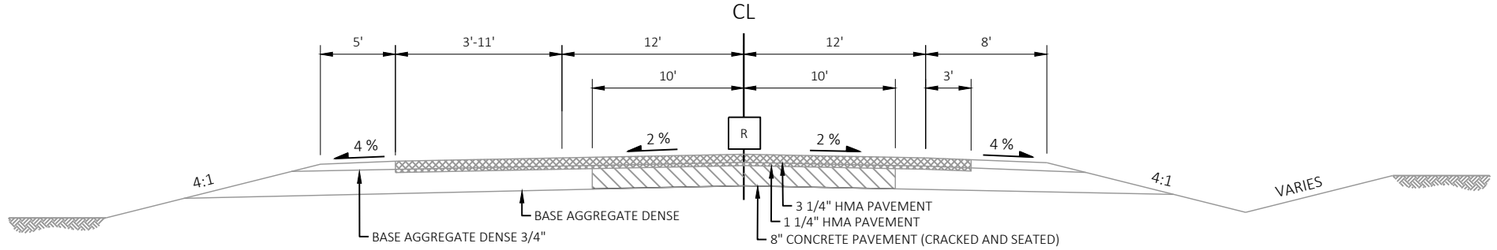
PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	TYPICAL SECTIONS	SHEET 6	E

2



EXISTING TYPICAL SECTION - USH 53

STA 485+33 - 488+80



EXISTING TYPICAL SECTION - USH 53

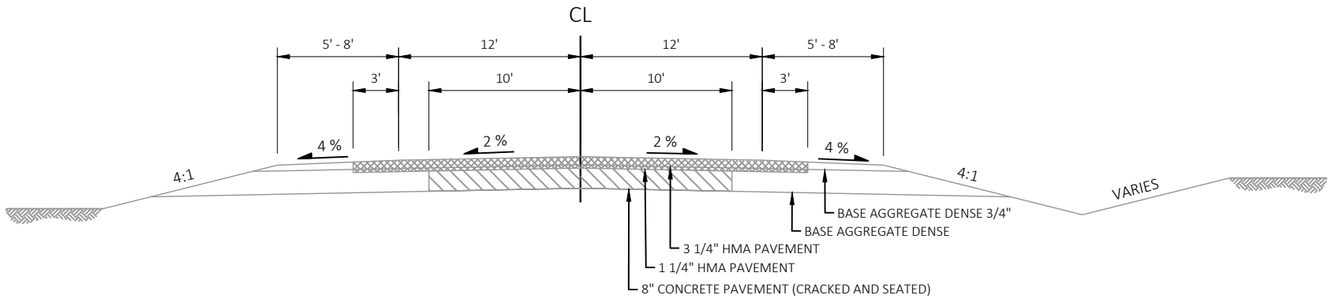
488+80 - 492+75

R EXISTING CENTERLINE RUMBLE STRIPS

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	TYPICAL SECTIONS	SHEET 7	E

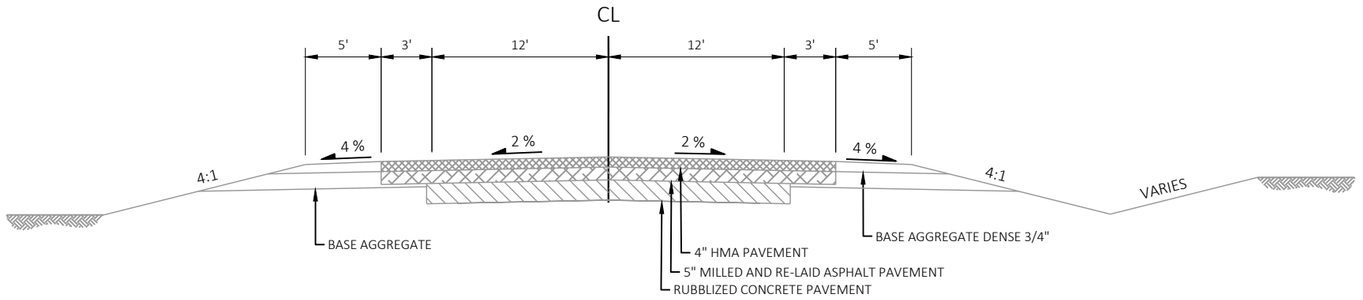
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LAYOUT NAME - 020304-ts

PLOT DATE : 7/2/2026 12:43 PM PLOT BY : NICHOLAS WATHKE, PE PLOT NAME : PLOT SCALE : 1 IN:10 FT



EXISTING TYPICAL SECTION - USH 53

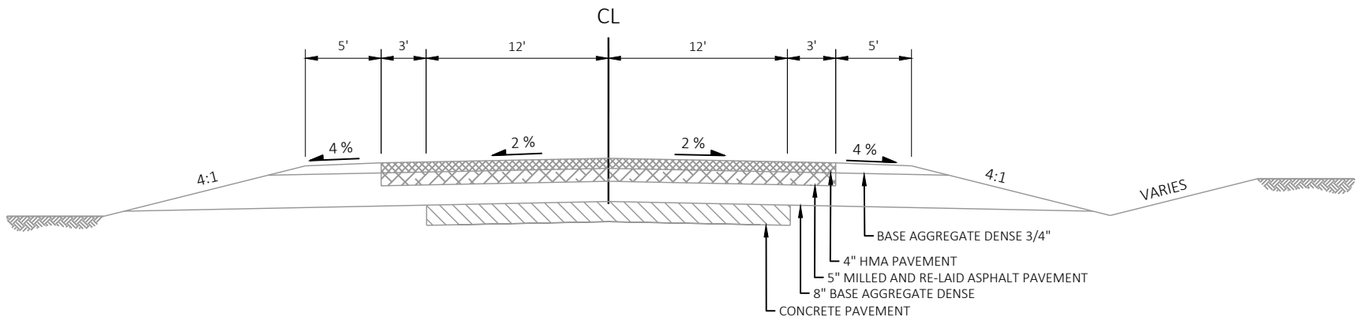
STA 509+52 - 510+53



EXISTING TYPICAL SECTION - USH 53

STA 511+79- 629+44
STA 674+17 - 675+20
STA 724+87 - 755+87
STA 778+52 - 781+17
STA 788+37 - 809+57
STA 853+37 - 860+12
STA 868+50 - 941+15

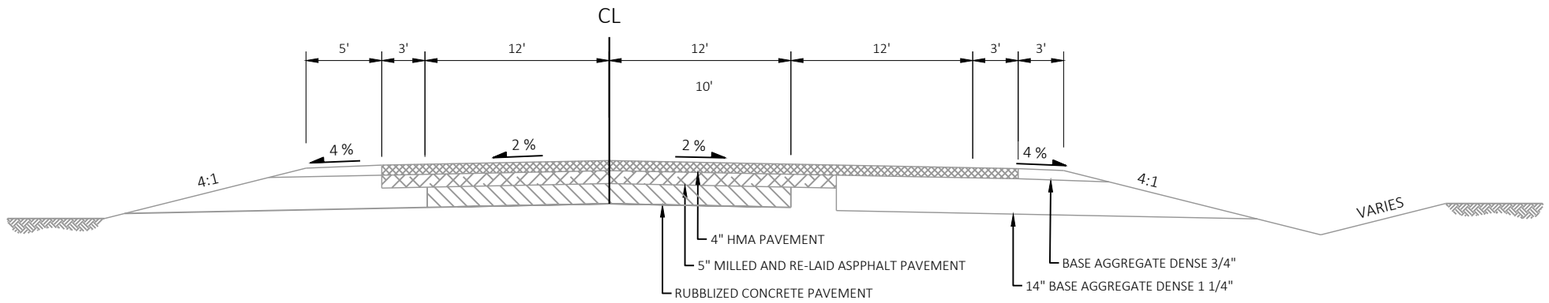
DESIGN NOTE
MISSING AS-BUILT FROM 941+99 TO END OF PROJECT.



EXISTING TYPICAL SECTION - USH 53

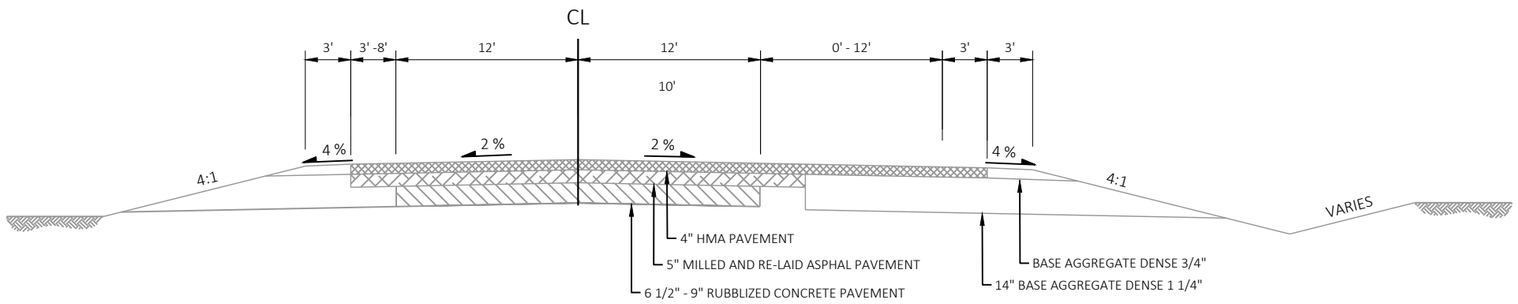
STA 629+44 - 674+17
STA 755+87 - 778+52
STA 781+17 - 788+37
STA 809+57 - 853+37

2



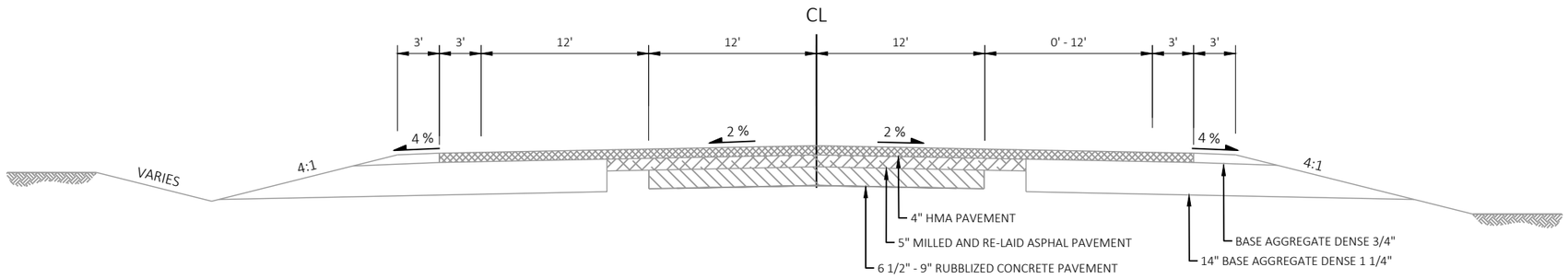
EXISTING TYPICAL SECTION - USH 53

STA 675+20 - 677+09



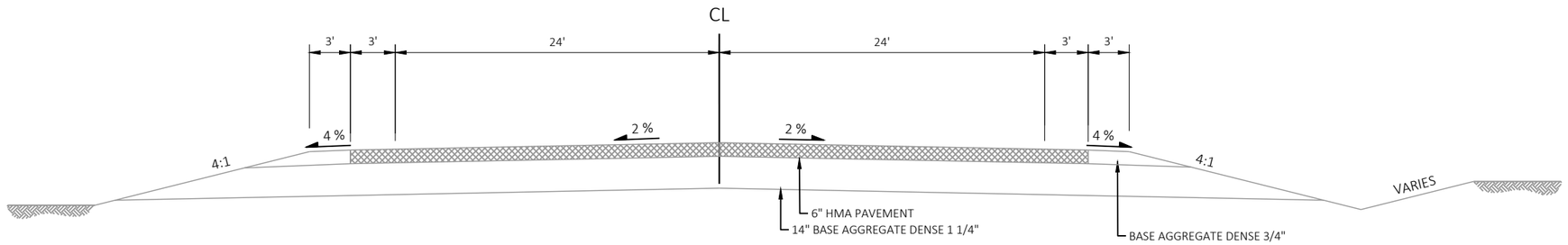
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STA 676+09 - 686+87



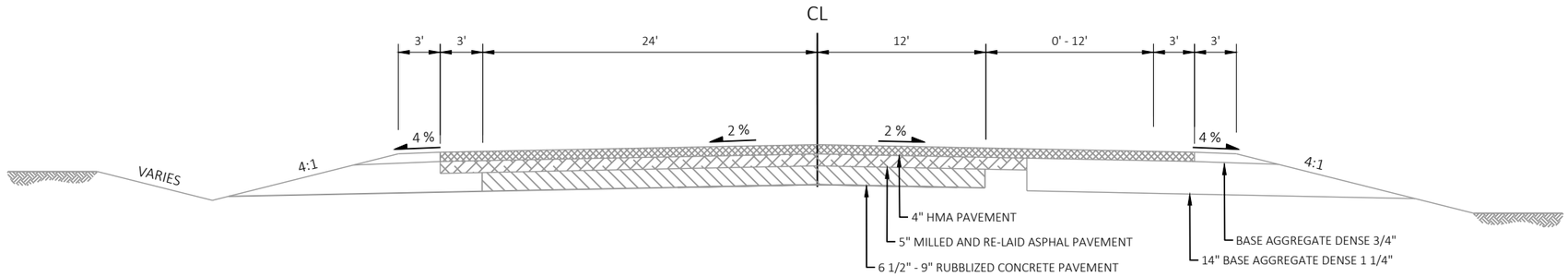
EXISTING TYPICAL SECTION - USH 53

STA 686+87 - 695+87



EXISTING TYPICAL SECTION - USH 53

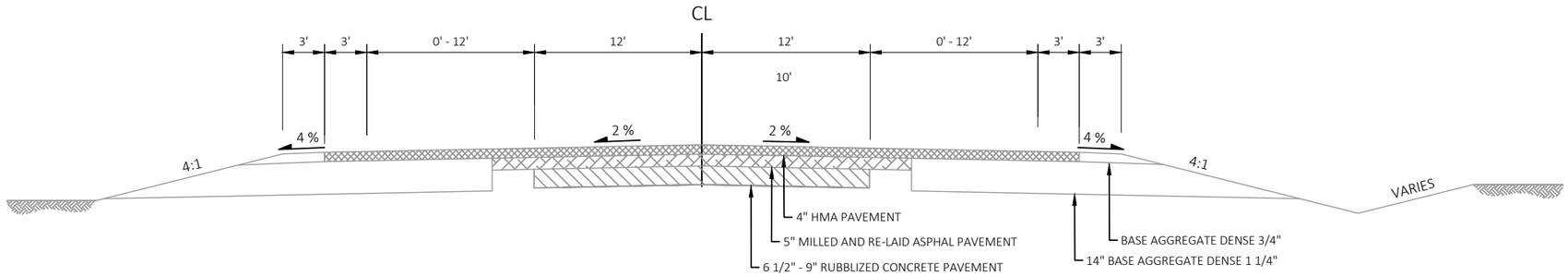
STA 695+87 - 707+62



EXISTING TYPICAL SECTION - USH 53

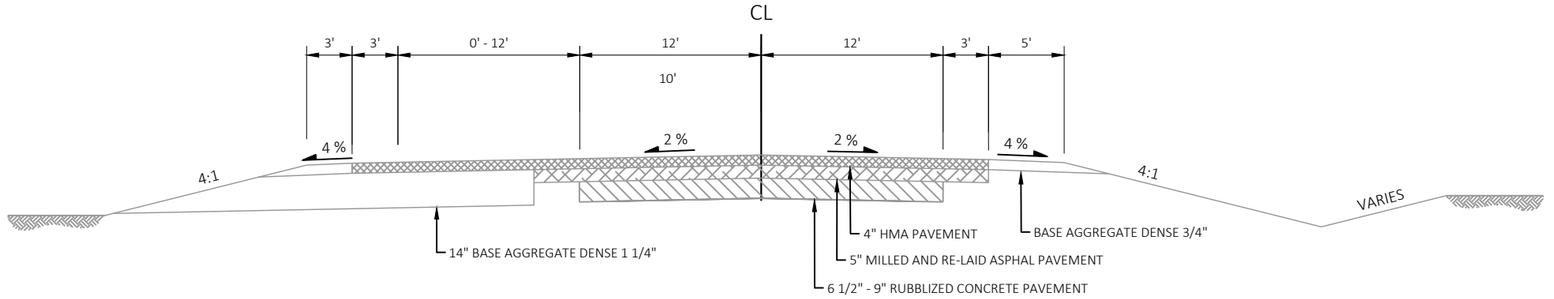
STA 707+62 - 711+78

2



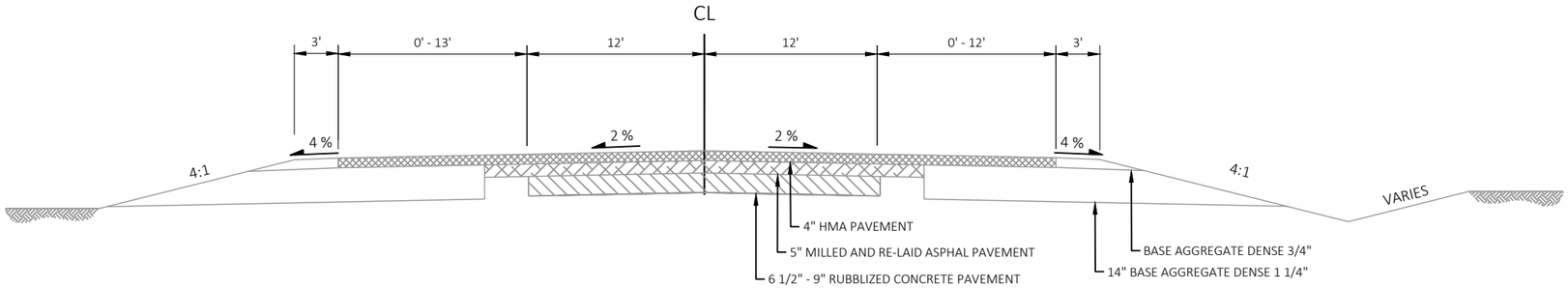
EXISTING TYPICAL SECTION - USH 53

STA 711+78 - 718+78



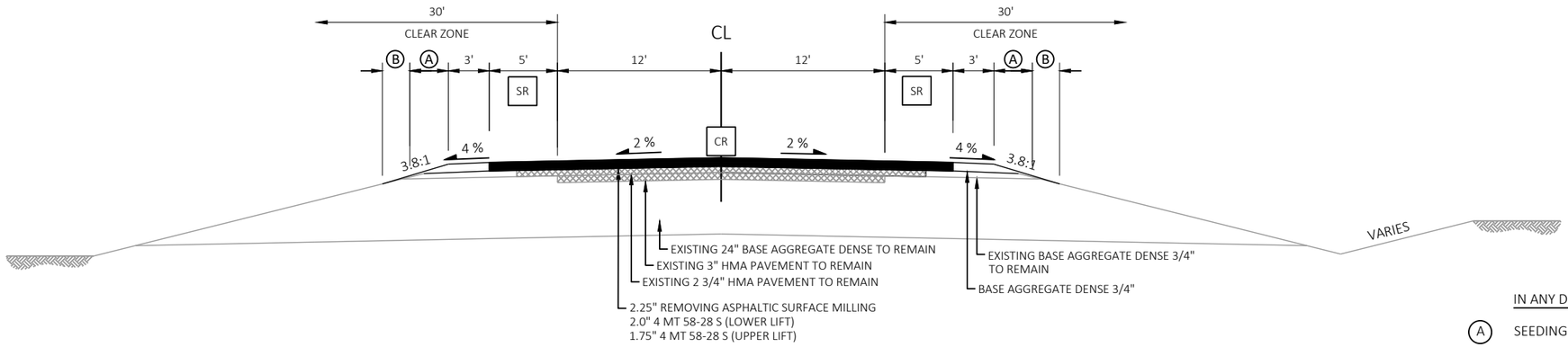
EXISTING TYPICAL SECTION - USH 53

STA 718+78 - 724+87



EXISTING TYPICAL SECTION - USH 53

STA 860+12 - 868+50

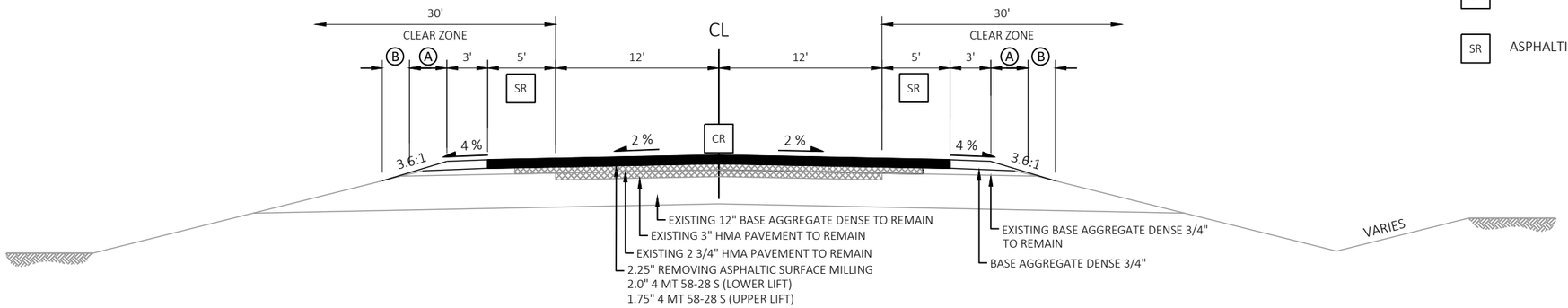


FINISHED TYPICAL SECTION - USH 53

STA 215+26 - 221+50

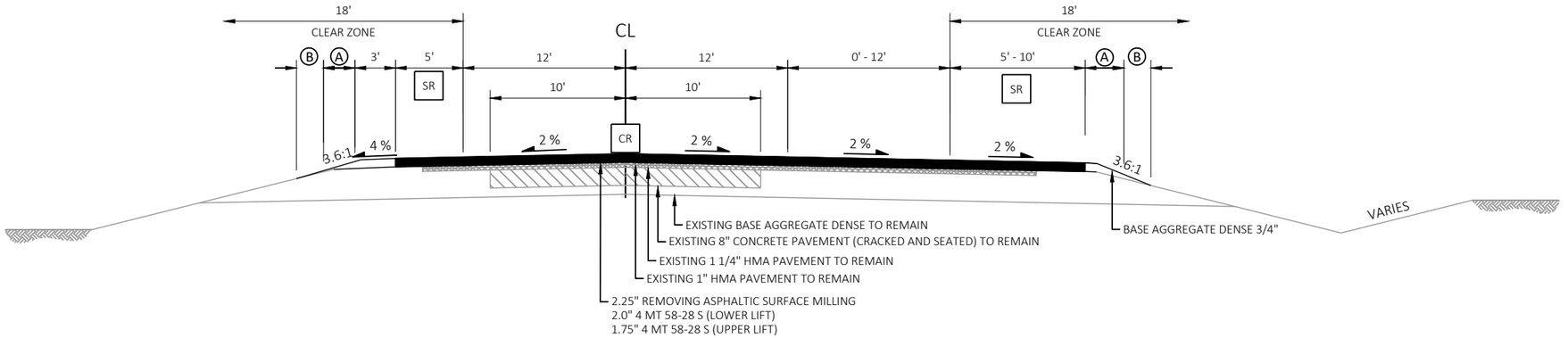
IN ANY DISTURBED AREAS

- (A) SEEDING MIXTURE NO. 20, FERTILIZER TYPE B.
- (B) SEEDING MIXTURE NO. 20, FERTILIZER TYPE B, MULCH. (DISTANCE VARIES)
- CR ASPHALTIC RUMBLE STRIPS, CENTERLINE
- SR ASPHALTIC RUMBLE STRIPS, SHOULDER



FINISHED TYPICAL SECTION - USH 53

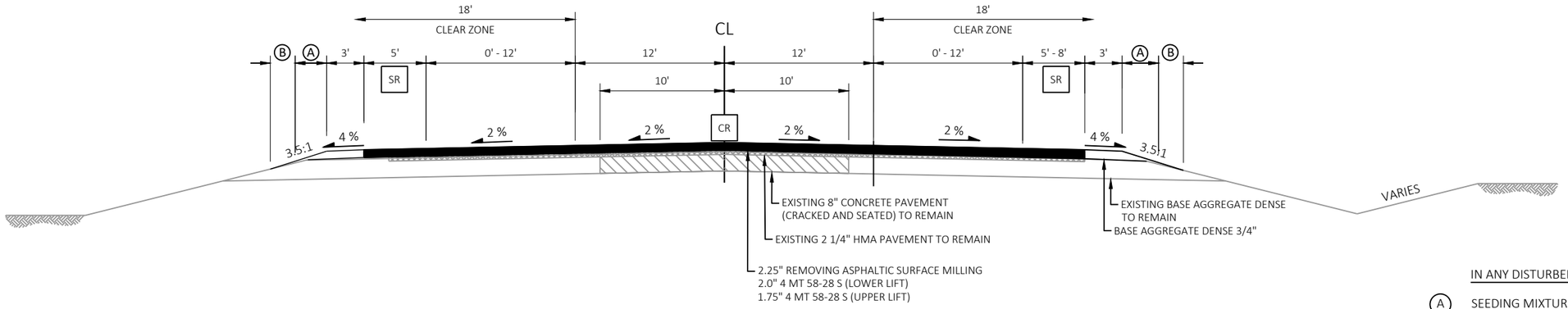
STA 221+50 - 223+00



FINISHED TYPICAL SECTION - USH 53

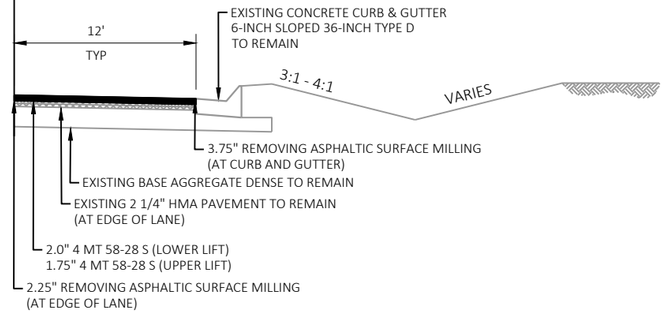
STA 223+00 - 225+40

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	TYPICAL SECTIONS	SHEET 12	E



FINISHED TYPICAL SECTION - USH 53

STA 225+40 - 229+82
STA 361+92 - 371+20

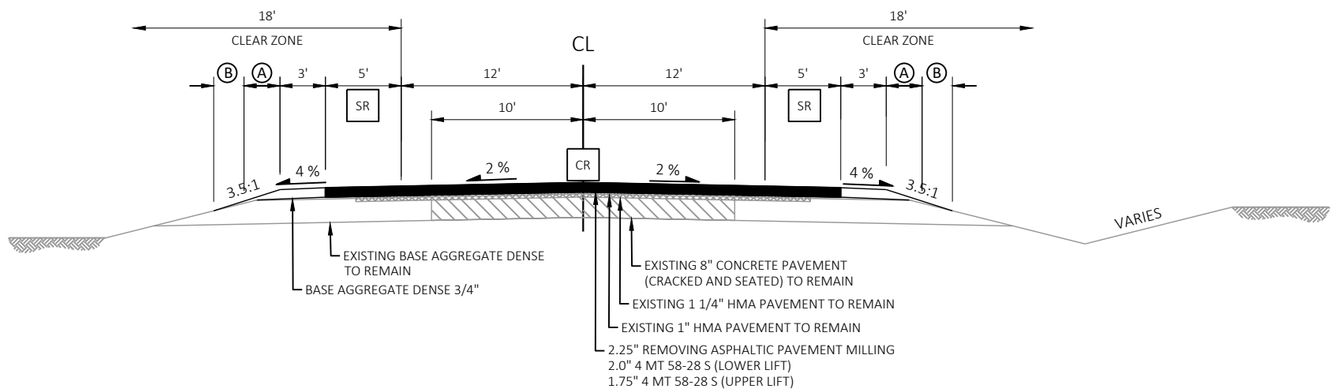


IN ANY DISTURBED AREAS

- (A) SEEDING MIXTURE NO. 20, FERTILIZER TYPE B.
- (B) SEEDING MIXTURE NO. 20, FERTILIZER TYPE B, MULCH. (DISTANCE VARIES)
- CR ASPHALTIC RUMBLE STRIPS, CENTERLINE
- SR ASPHALTIC RUMBLE STRIPS, SHOULDER

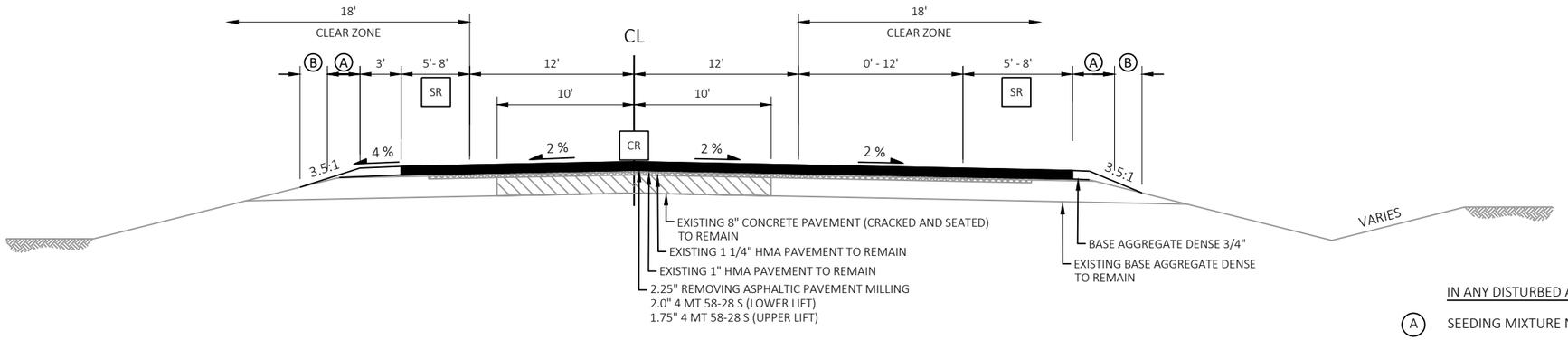
FINISHED TYPICAL SECTION CURB & GUTTER SECTION - USH 53

STA 366+97 - 367+69, RT



FINISHED TYPICAL SECTION - USH 53

STA 229+82 - 361+92
STA 371+20 - 373+59
STA 386+31 - 464+45
STA 465+80 - 485+33
STA 492+75 - 509+52



FINISHED TYPICAL SECTION - USH 53

STA 373+59 - 379+93

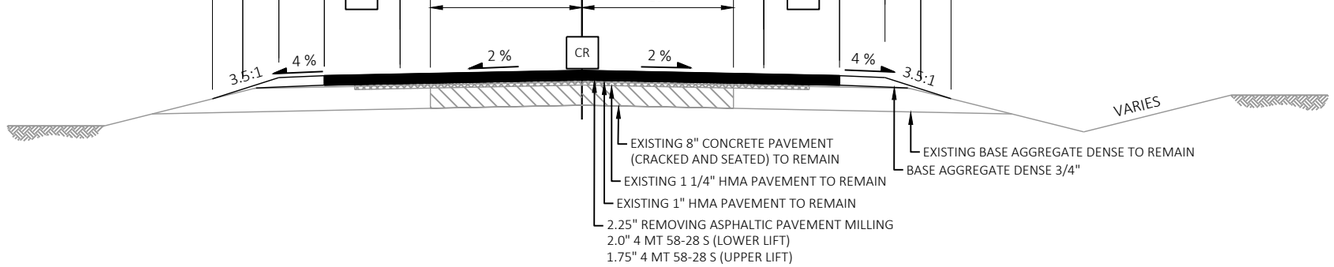
IN ANY DISTURBED AREAS

(A) SEEDING MIXTURE NO. 20, FERTILIZER TYPE B.

(B) SEEDING MIXTURE NO. 20, FERTILIZER TYPE B, MULCH. (DISTANCE VARIES)

CR ASPHALTIC RUMBLE STRIPS, CENTERLINE

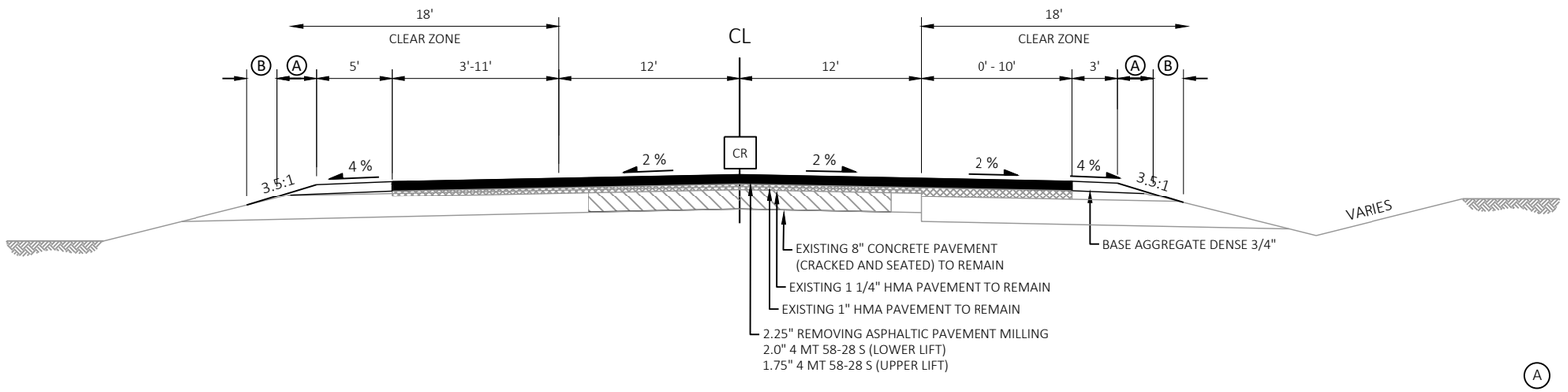
SR ASPHALTIC RUMBLE STRIPS, SHOULDER



FINISHED TYPICAL SECTION - USH 53

STA 380+50 - 386+31

2



FINISHED TYPICAL SECTION - USH 53

STA 485+33 - 488+80

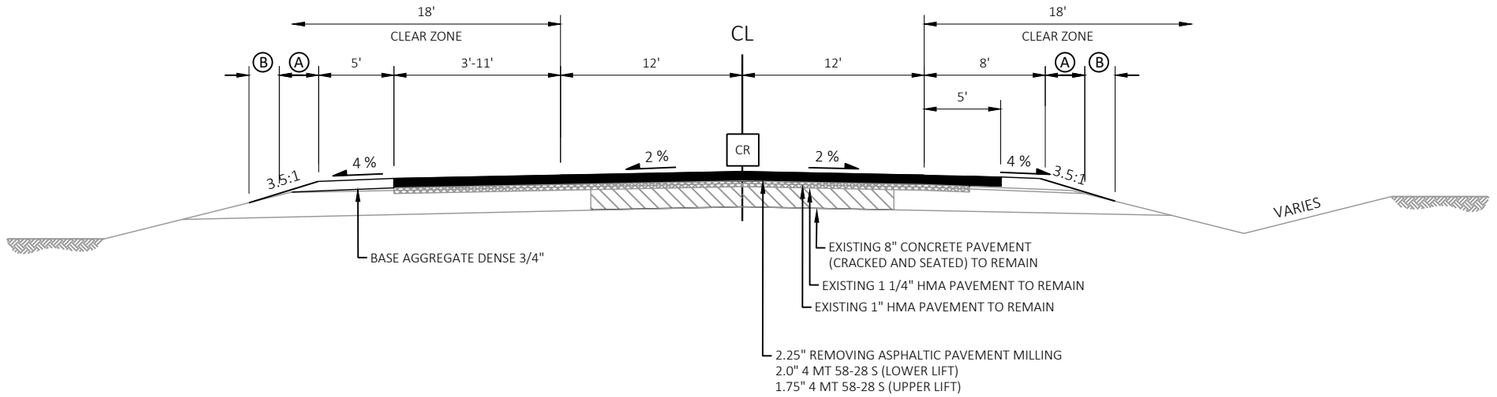
IN ANY DISTURBED AREAS

(A) SEEDING MIXTURE NO. 20, FERTILIZER TYPE B.

(B) SEEDING MIXTURE NO. 20, FERTILIZER TYPE B, MULCH. (DISTANCE VARIES)

CR ASPHALTIC RUMBLE STRIPS, CENTERLINE

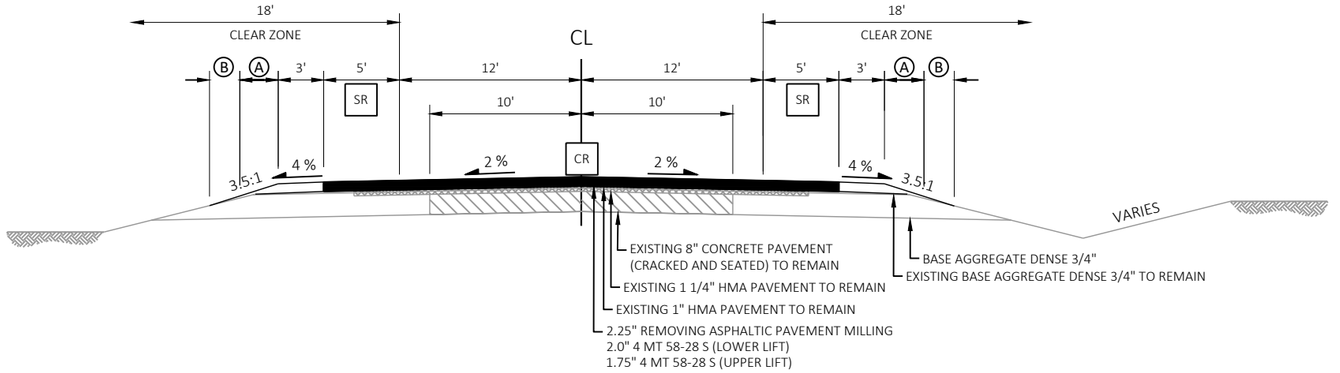
SR ASPHALTIC RUMBLE STRIPS, SHOULDER



FINISHED TYPICAL SECTION - USH 53

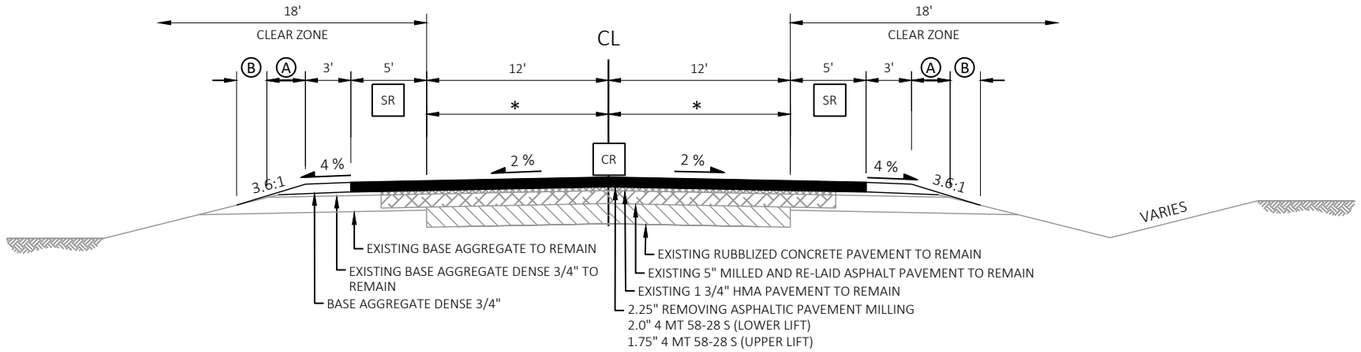
488+80 - 492+75

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	TYPICAL SECTIONS	SHEET 15	E



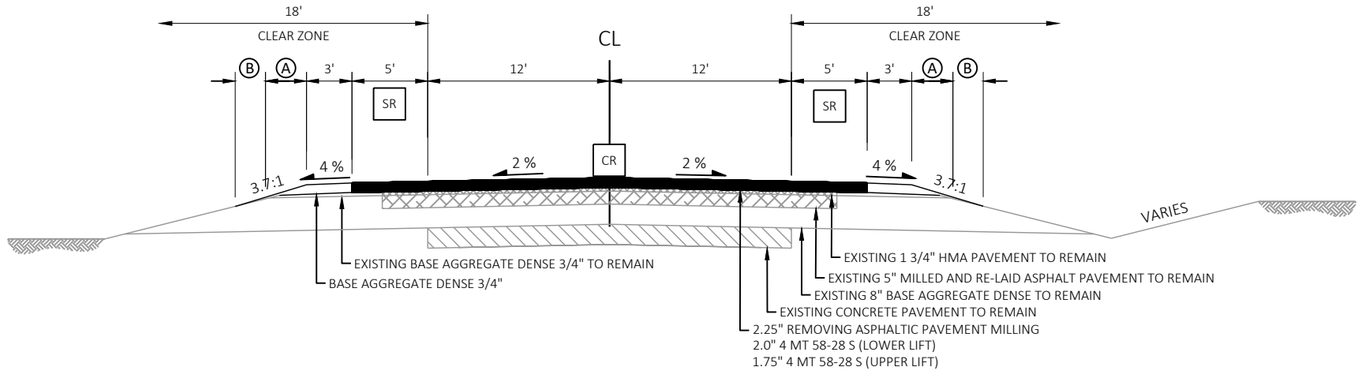
FINISHED TYPICAL SECTION - USH 53

STA 509+52 - 510+53



FINISHED TYPICAL SECTION - USH 53

STA 511+79 - 629+44
STA 674+17 - 675+20
STA 724+87 - 755+87
STA 778+52 - 781+17
STA 788+37 - 809+57
STA 853+37 - 860+12
STA 868+50 - 941+15



FINISHED TYPICAL SECTION - USH 53

STA 629+44 - 674+17
STA 755+87 - 778+52
STA 781+17 - 788+37
STA 809+57 - 853+37

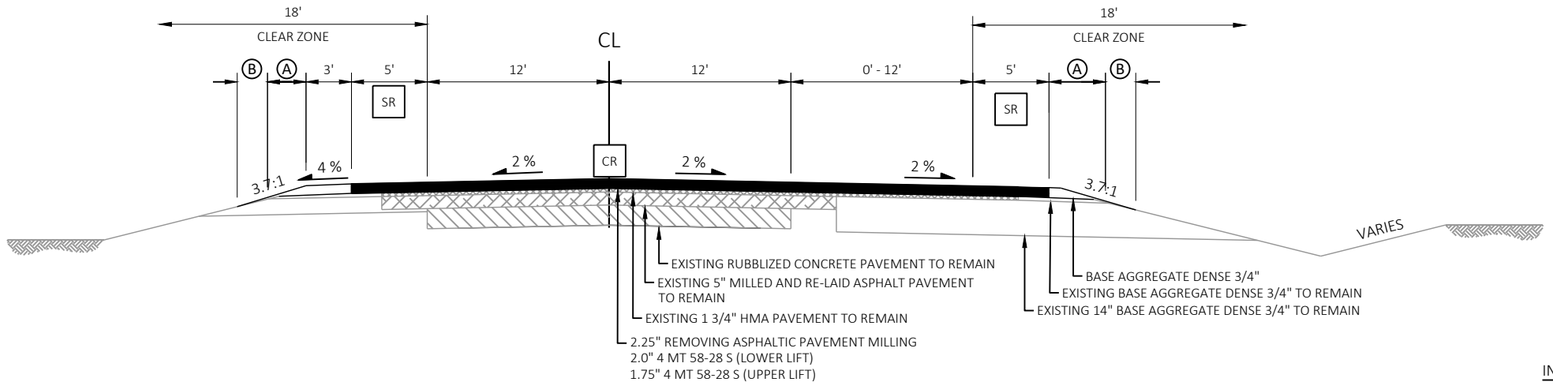
IN ANY DISTURBED AREAS

(A) SEEDING MIXTURE NO. 20, FERTILIZER TYPE B.

(B) SEEDING MIXTURE NO. 20, FERTILIZER TYPE B, MULCH. (DISTANCE VARIES)

CR ASPHALTIC RUMBLE STRIPS, CENTERLINE

SR ASPHALTIC RUMBLE STRIPS, SHOULDER

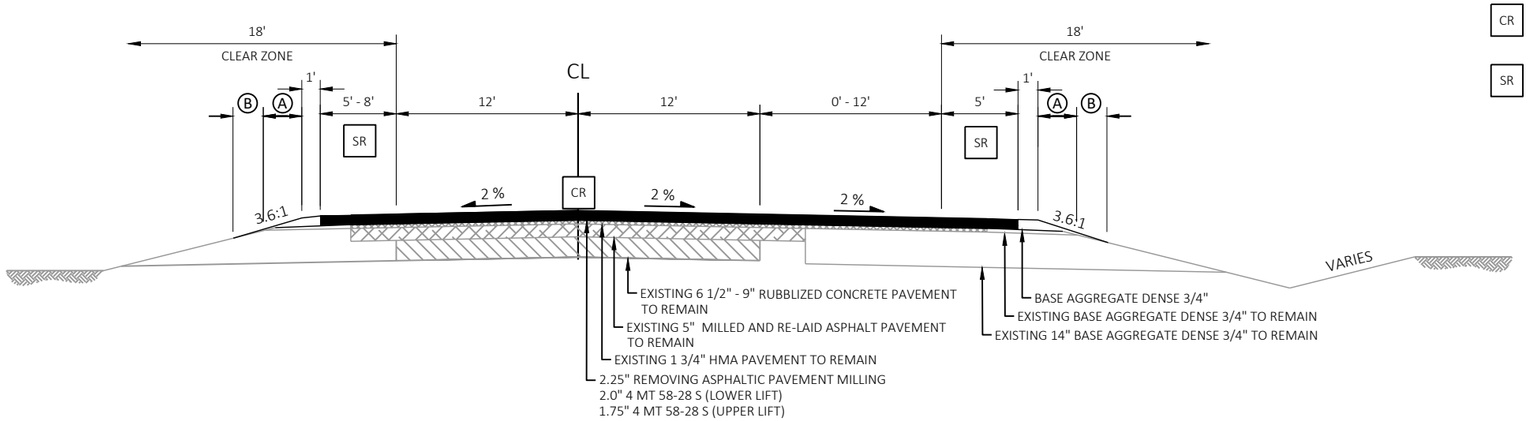


FINISHED TYPICAL SECTION - USH 53

STA 675+20 - 677+09

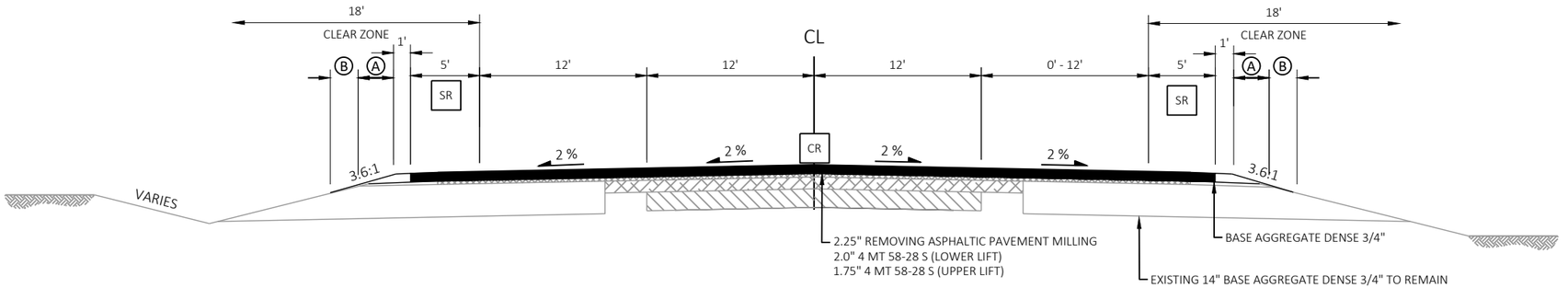
IN ANY DISTURBED AREAS

- (A) SEEDING MIXTURE NO. 20, FERTILIZER TYPE B.
- (B) SEEDING MIXTURE NO. 20, FERTILIZER TYPE B, MULCH. (DISTANCE VARIES)
- CR ASPHALTIC RUMBLE STRIPS, CENTERLINE
- SR ASPHALTIC RUMBLE STRIPS, SHOULDER



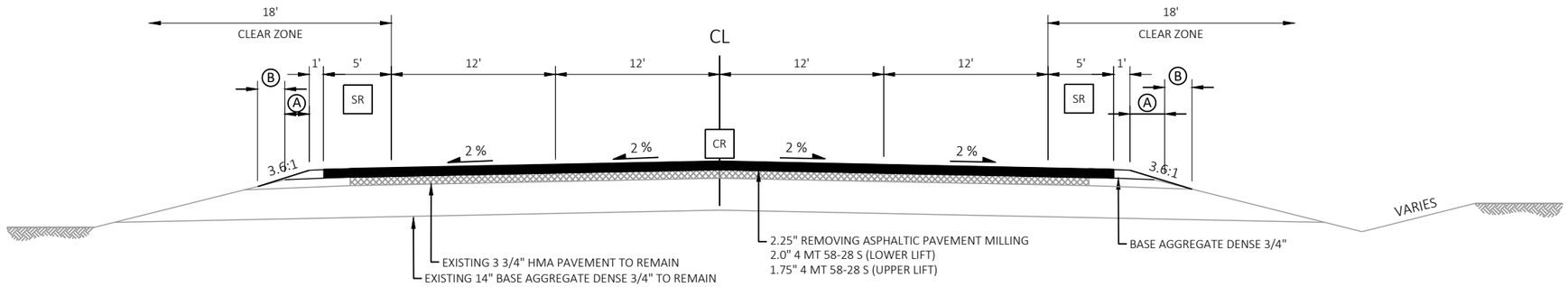
FINISHED TYPICAL SECTION - USH 53

STA 677+09 - 686+87



FINISHED TYPICAL SECTION - USH 53

STA 686+87 - 695+87



FINISHED TYPICAL SECTION - USH 53

STA 695+87 - 707+62

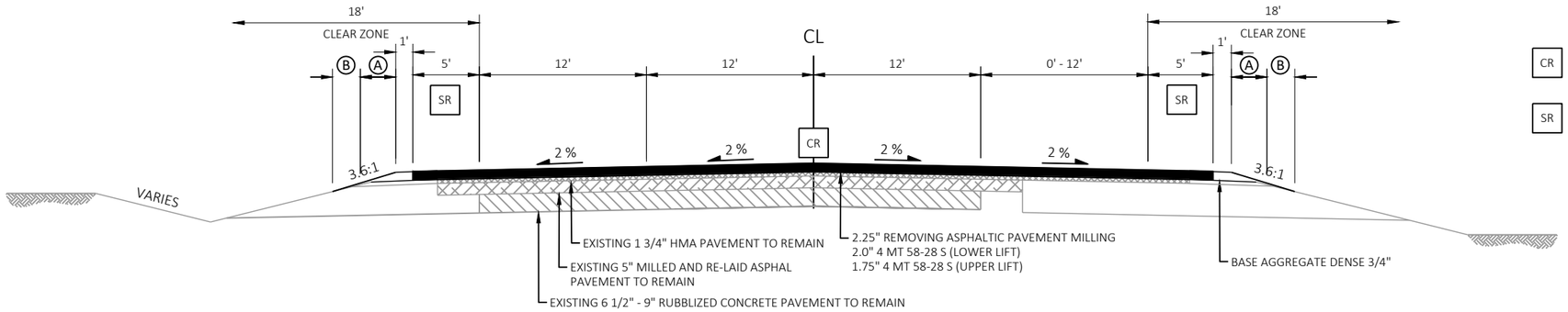
IN ANY DISTURBED AREAS

(A) SEEDING MIXTURE NO. 20, FERTILIZER TYPE B.

(B) SEEDING MIXTURE NO. 20, FERTILIZER TYPE B, MULCH. (DISTANCE VARIES)

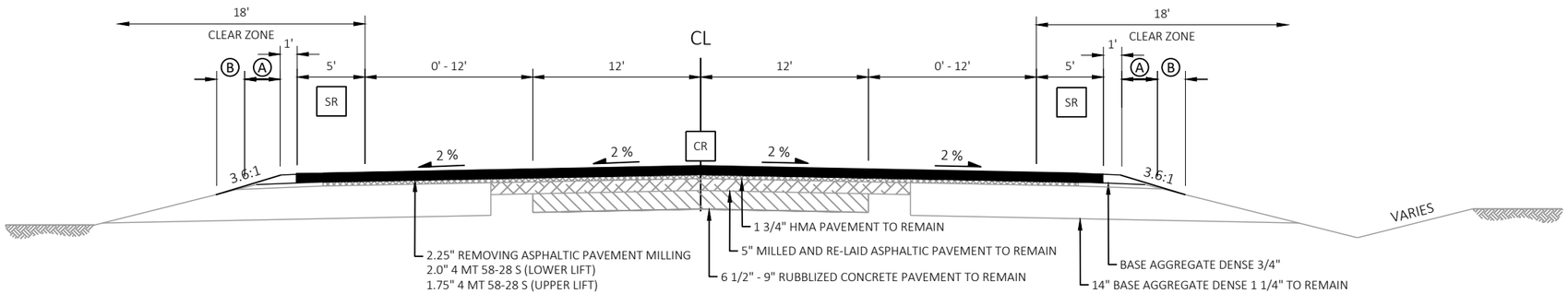
CR ASPHALTIC RUMBLE STRIPS, CENTERLINE

SR ASPHALTIC RUMBLE STRIPS, SHOULDER



FINISHED TYPICAL SECTION - USH 53

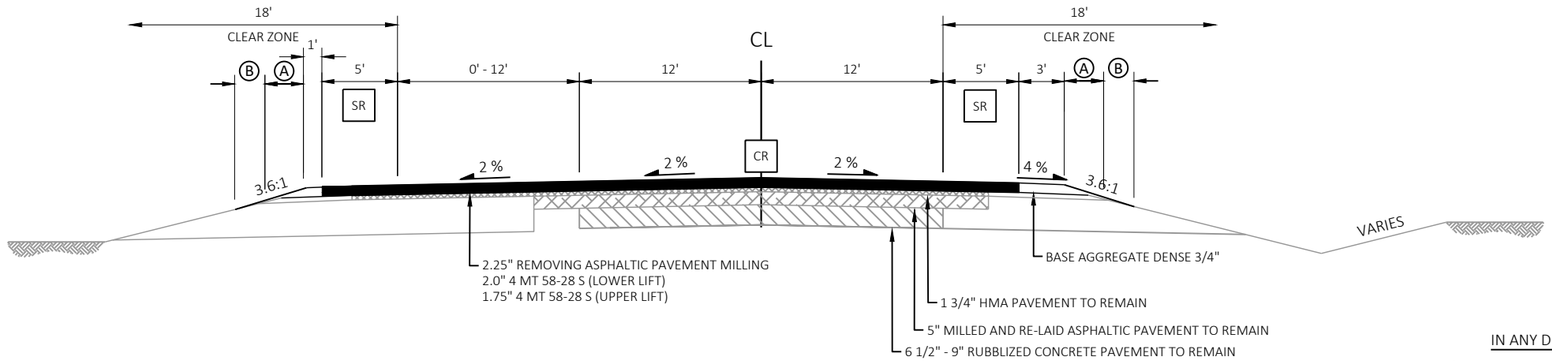
STA 707+62 - 711+78



FINISHED TYPICAL SECTION - USH 53

STA 711+78 - 718+78

2



FINISHED TYPICAL SECTION - USH 53

STA 718+78 - 724+87

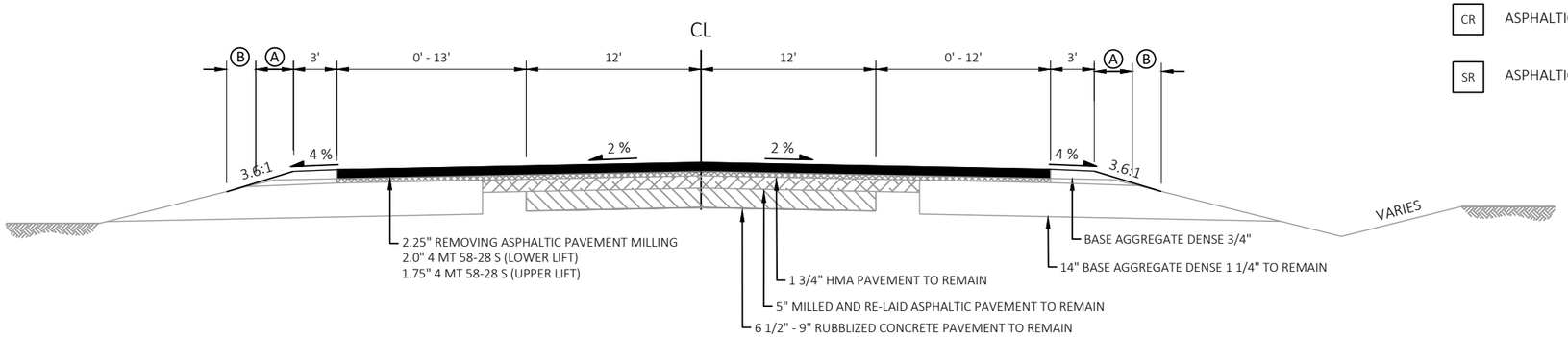
IN ANY DISTURBED AREAS

(A) SEEDING MIXTURE NO. 20, FERTILIZER TYPE B.

(B) SEEDING MIXTURE NO. 20, FERTILIZER TYPE B, MULCH. (DISTANCE VARIES)

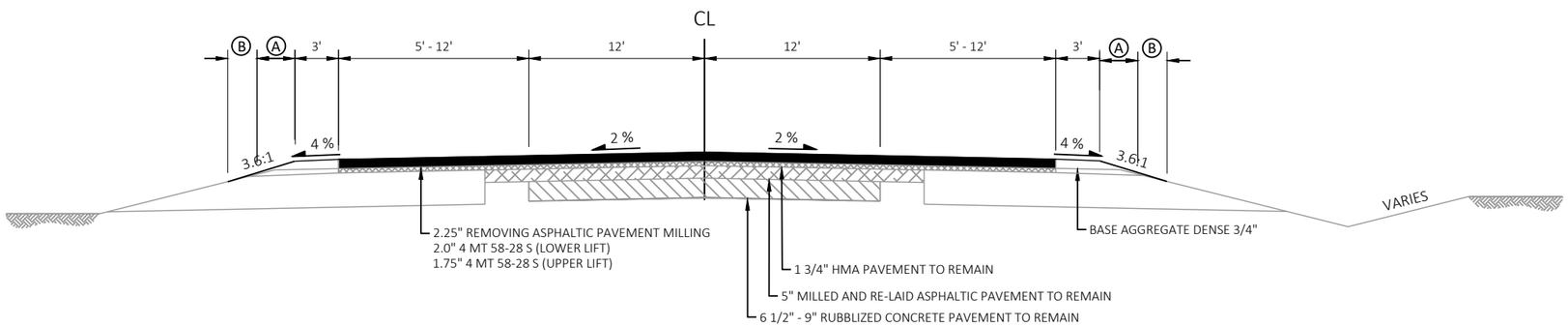
CR ASPHALTIC RUMBLE STRIPS, CENTERLINE

SR ASPHALTIC RUMBLE STRIPS, SHOULDER



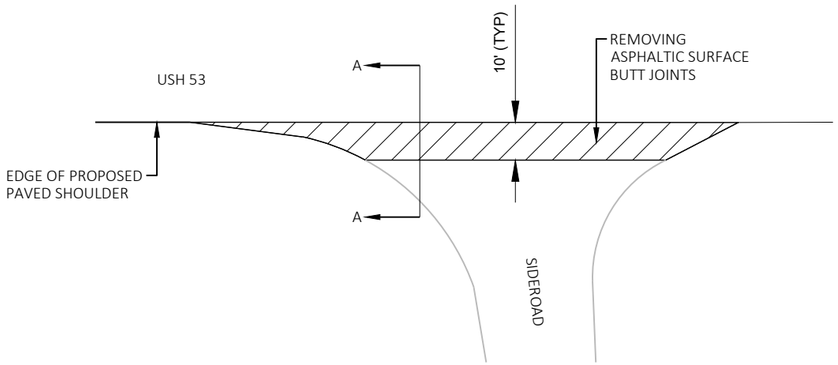
FINISHED TYPICAL SECTION - USH 53

STA 860+12 - 868+50

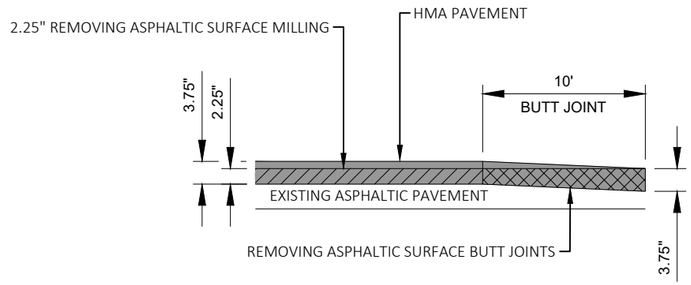


FINISHED TYPICAL SECTION - USH 53

STA 941+15 - 979+74

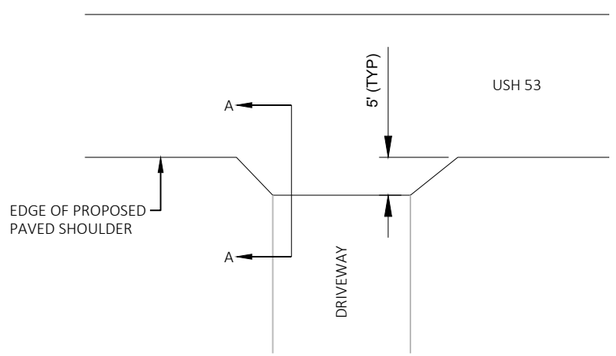


PLAN VIEW

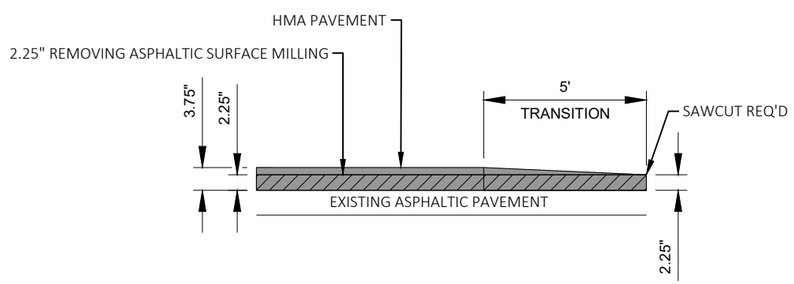


SECTION A-A

SIDE ROAD MILLING LIMITS AND BUTT JOINTS

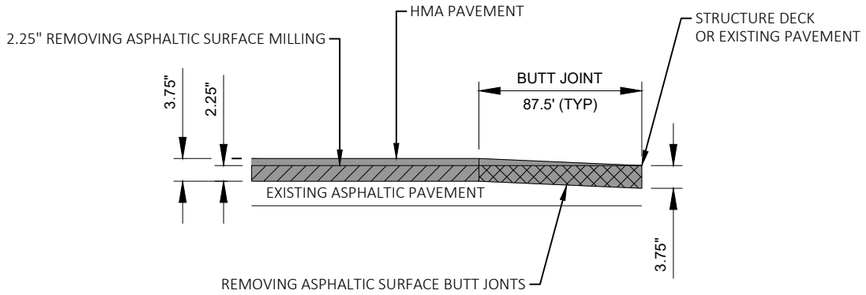


PLAN VIEW

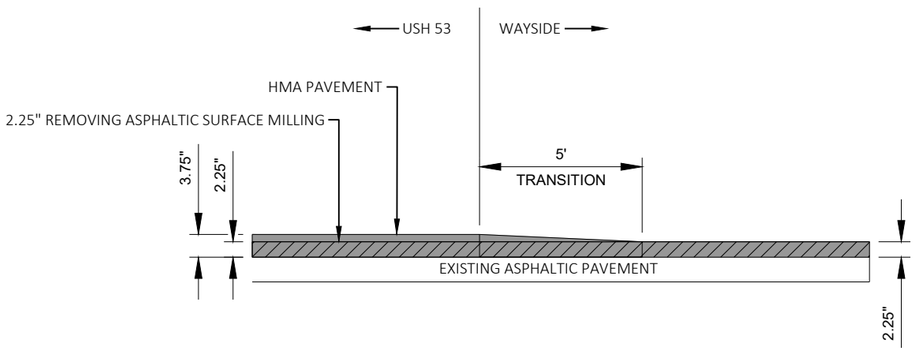


SECTION A-A

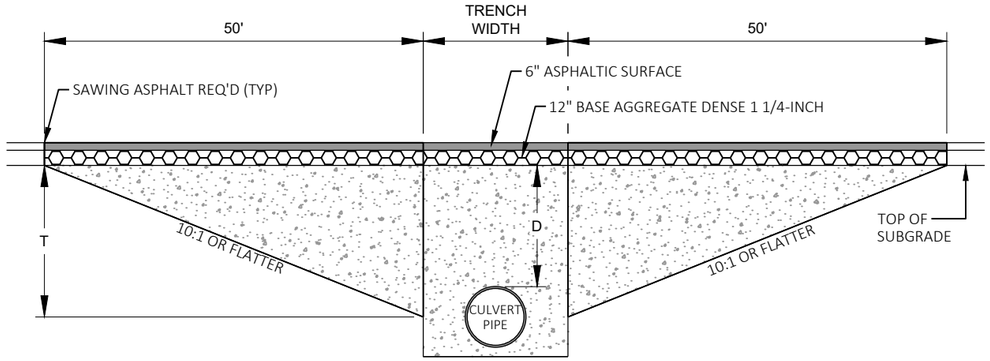
PAVED DRIVEWAY MILLING LIMITS



MAINLINE MILLING LIMITS AND BUTT JOINTS
AT STRUCTURES AND BEGIN AND END OF PROJECT



PAVED WAYSIDE MILLING LIMITS



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.

CULVERT PIPE TRANSITION
DEPTH D < 6 FT

KEY

PROPOSED SURFACE

PROPOSED BASE

TRENCH BACKFILL

CULVERT PIPE TRANSITION			
ROUTE	STA (C/L)	DEPTH D (FT)	PIPE DIA (IN)
USH 53	640+07	3	24
USH 53	665+42	2	24
USH 53	669+33	2	24

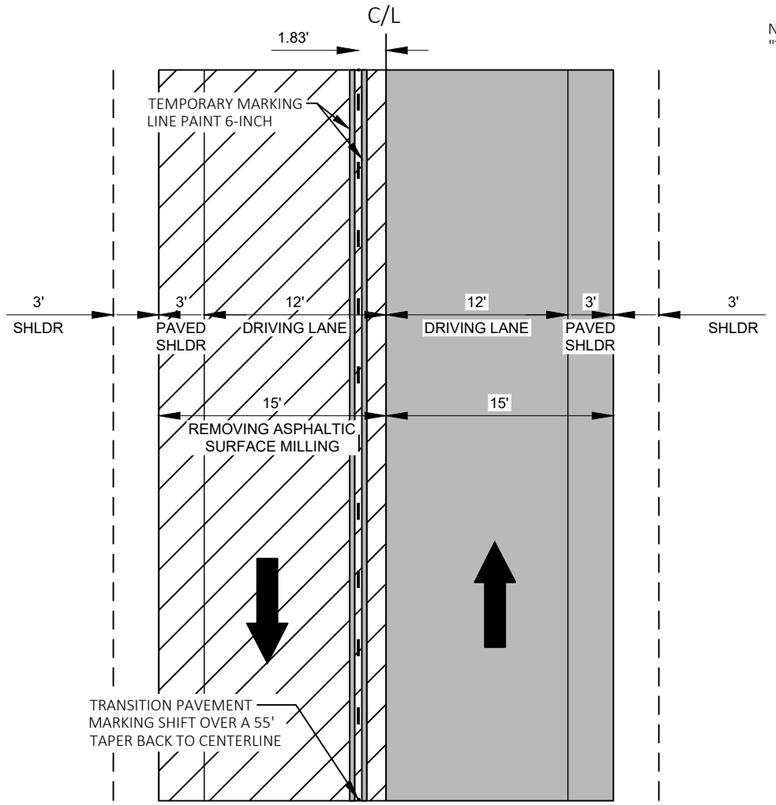
NOTE:

TRANSITION CUT WIDTH IS FROM SUBGRADE SHOULDER POINT TO SUBGRADE SHOULDER POINT.

6" ASPHALTIC SURFACE SHALL BE PLACED IN 2" LIFTS.

PAVE 6" ASPHALTIC SURFACE PRIOR TO MILLING AND OVERLAY OPERATION. PAVE ASPHALTIC SURFACE FLUSH WITH ADJACENT PAVEMENT. 3.25" OF THE ASPHALTIC SURFACE WILL THEN BE REMOVED WITH MAINLINE MILLING OPERATIONS.

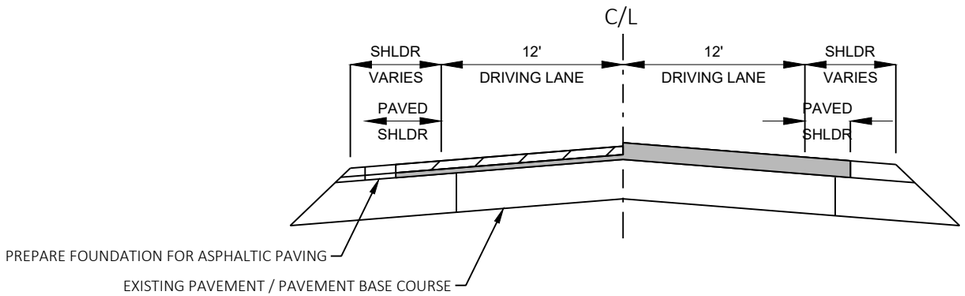
NOTE: USE DETAILS IN CONJUNCTION WITH SDD
"TEMPORARY LONGITUDINAL PAVEMENT MARKING"



PLAN VIEW

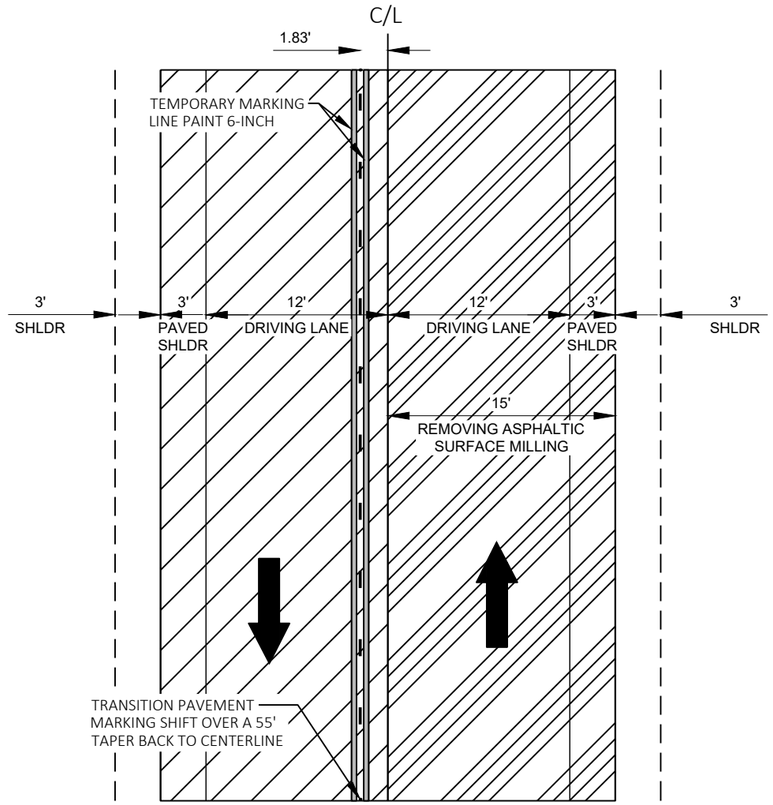
EXISTING ASPHALTIC SURFACE

FIRST PASS 2" HMA PAVEMENT 4 MT 58-34 V PAVING LIMITS (LOWER LAYER)



CROSS SECTION VIEW

FIRST PASS DETAIL

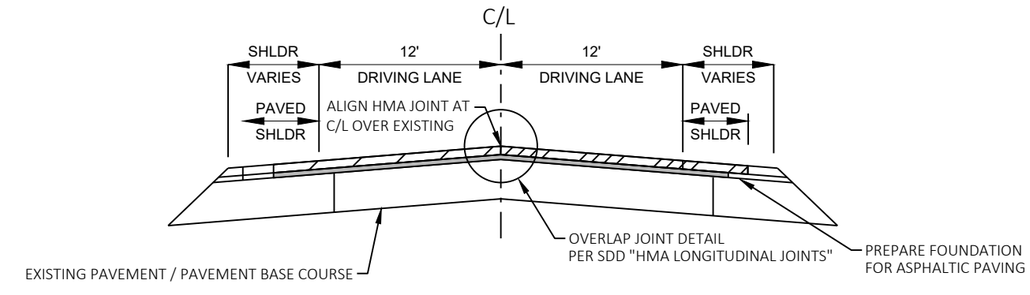


PLAN VIEW

EXISTING ASPHALTIC SURFACE

FIRST PASS 2" HMA PAVEMENT 4 MT 58-34 V PAVING LIMITS (LOWER LAYER)

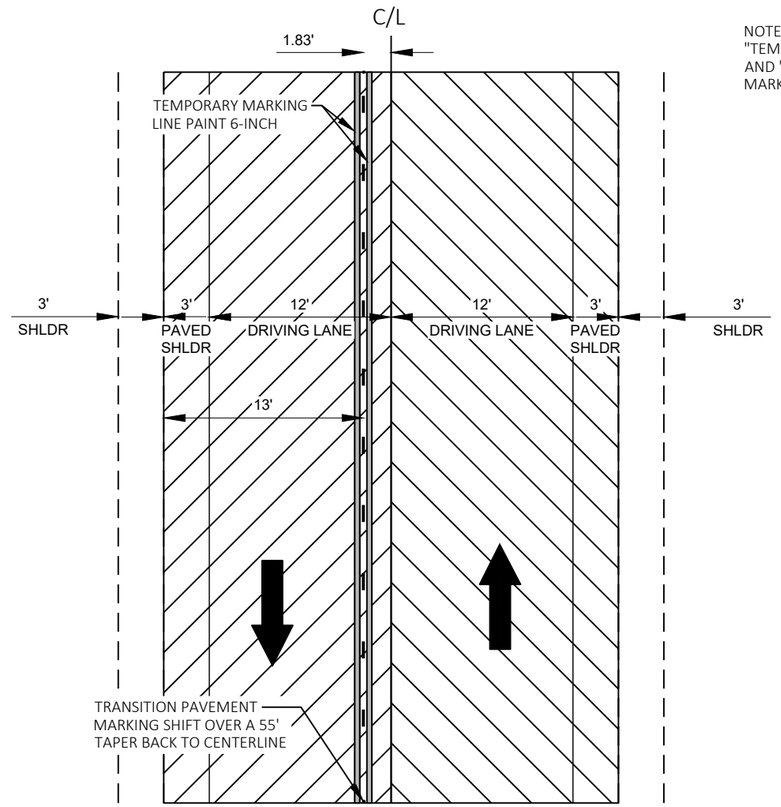
SECOND PASS 2" HMA PAVEMENT 4 MT 58-34 V PAVING LIMITS (LOWER LAYER)



CROSS SECTION VIEW

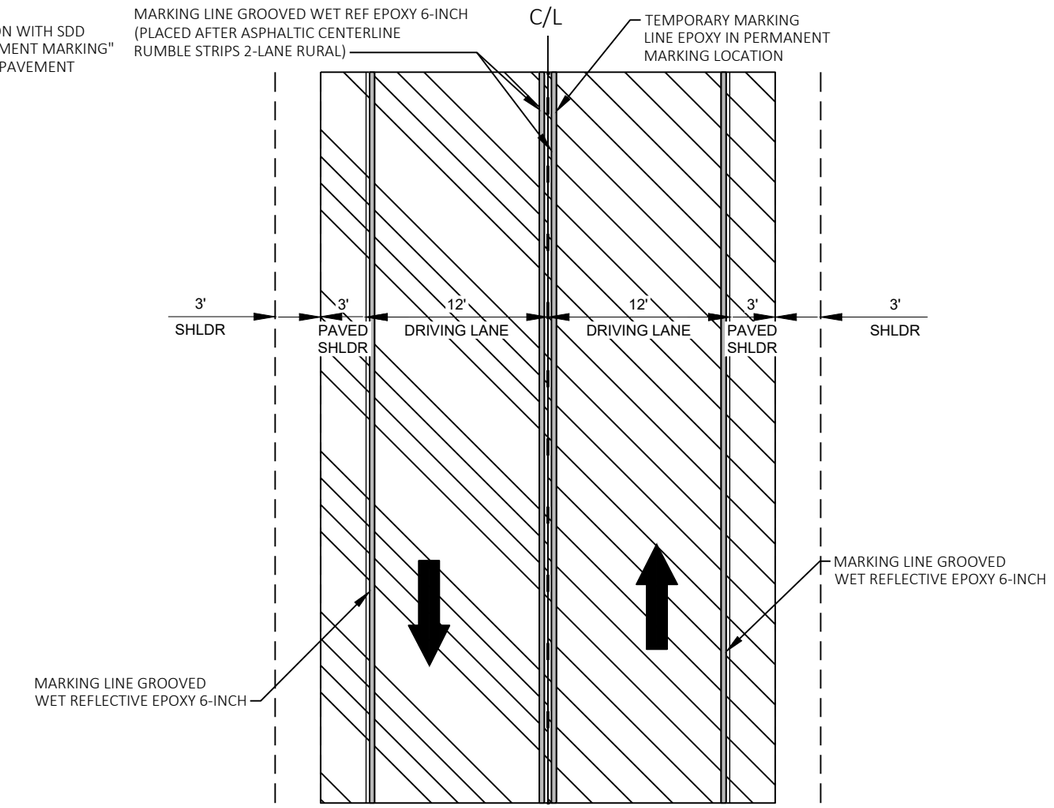
SECOND PASS DETAIL

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CONSTRUCTION DETAILS	SHEET 22	E



PLAN VIEW

NOTE: USE DETAILS IN CONJUNCTION WITH SDD "TEMPORARY LONGITUDINAL PAVEMENT MARKING" AND "PERMANENT LONGITUDINAL PAVEMENT MARKINGS"



PLAN VIEW

FIRST PASS 2" HMA PAVEMENT 4 MT 58-34 V PAVING LIMITS (LOWER LAYER)

SECOND PASS 2" HMA PAVEMENT 4 MT 58-34 V PAVING LIMITS (LOWER LAYER)

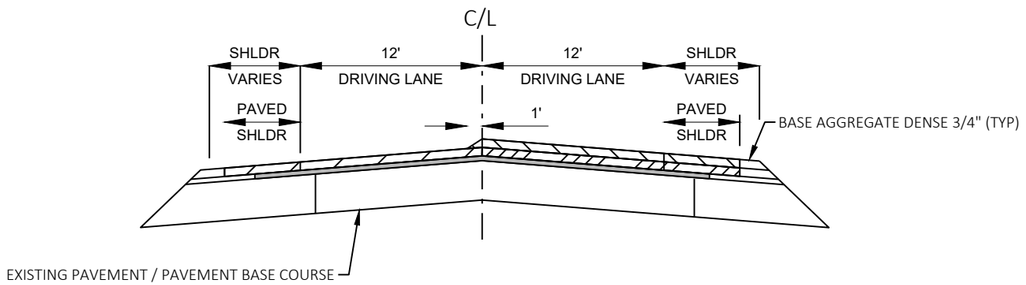
THIRD PASS 1 3/4" HMA PAVEMENT 4 MT 58-34 V PAVING LIMITS (UPPER LAYER)

SECOND PASS 2" HMA PAVEMENT 4 MT 58-34 VPAVING LIMITS (LOWER LAYER)

THIRD PASS 1 3/4" HMA PAVEMENT 4 MT 58-34 V PAVING LIMITS (UPPER LAYER)

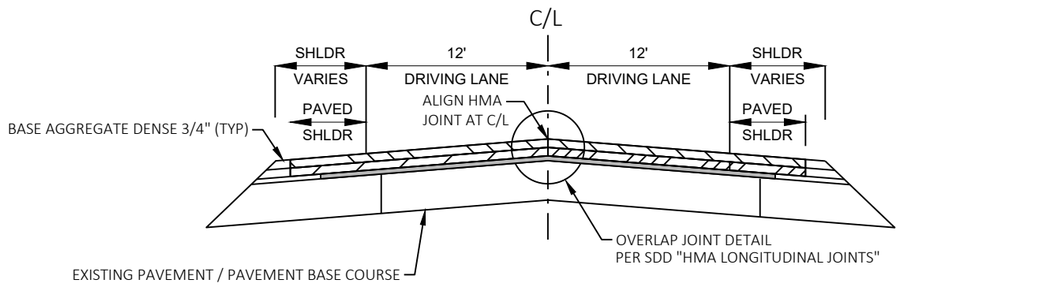
FOURTH PASS 1 3/4" HMA PAVEMENT 4 MT 58-34 VPAVING LIMITS (UPPER LAYER)

** TEMPORARY MARKING LINE EPOXY APPLIED SAME DAY AS FOURTH PASS



CROSS SECTION VIEW

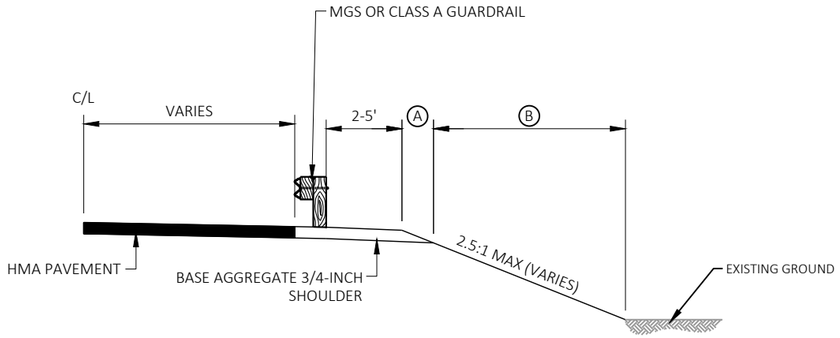
THIRD PASS DETAIL



CROSS SECTION VIEW

FORTH PASS DETAIL

2

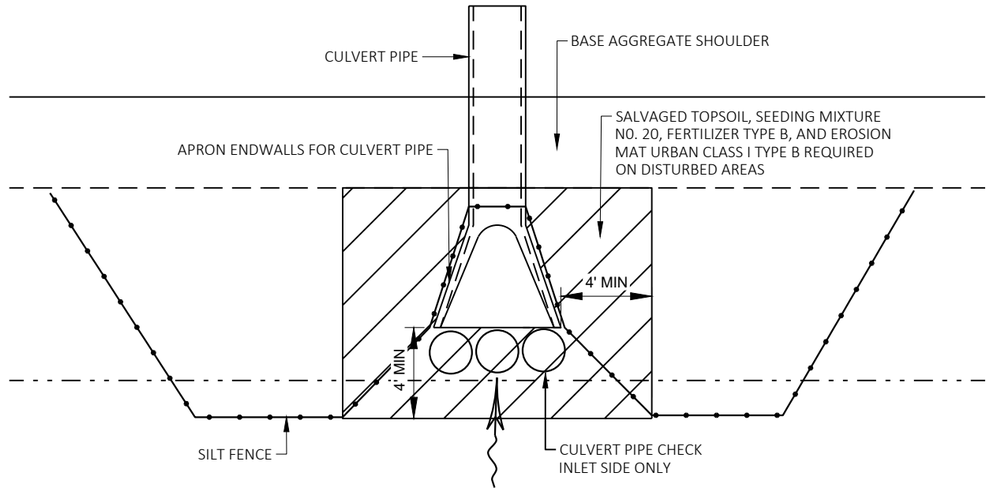


(A) SEEDING MIXTURE NO 20, FERTILIZER TYPE B

(B) SALVAGED TOPSOIL, EROSION MAT URBAN CLASS I TYPE B, SEEDING MIXTURE NO 20, FERTILIZER TYPE B

GUARDRAIL RESTORATION DETAIL

SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS



EROSION CONTROL FOR CROSS DRAIN RESTORATION DETAIL

SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS

2

LEGEND

TYPE III BARRICADE WITH ATTACHED SIGN

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT

DIRECTION OF TRAFFIC

SIGN ON PERMANENT SUPPORT

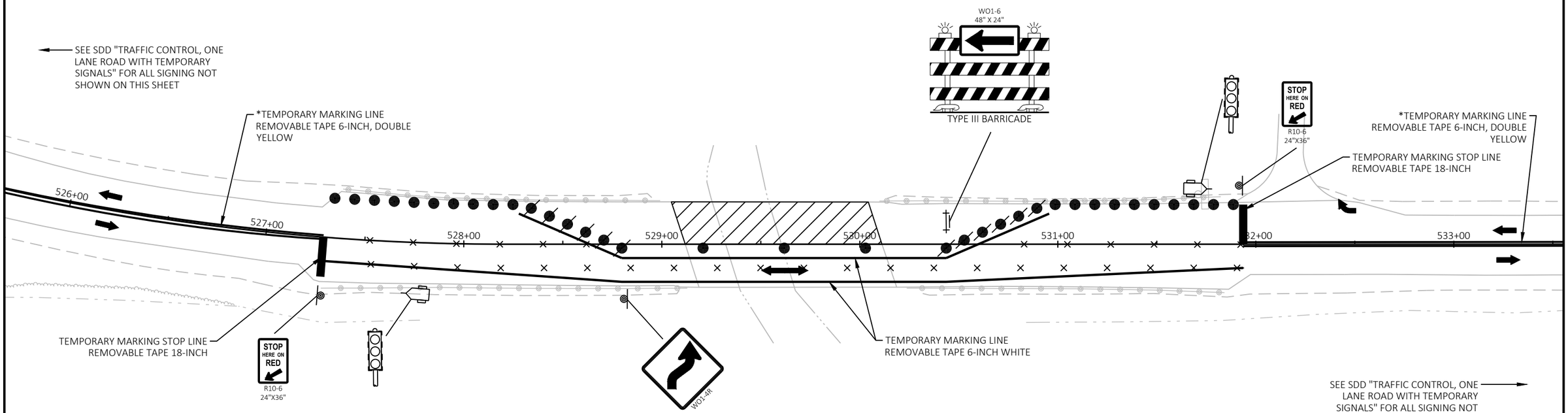
WORK AREA

**TEMPORARY MARKING REMOVABLE MASK OUT TAPE 8-INCH

TEMPORARY TRAFFIC SIGNAL

N

2



NOTES:

1. USE THIS DETAIL IN COORDINATION WITH SDD "TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS".

2. ANY SIGNS WHICH CONFLICT WITH TRAFFIC CONTROL SHALL BE REMOVED OR COVERED AS DIRECTED BY THE ENGINEER.

* TEMPORARY PAVEMENT MARKING TO BE EXTENDED 500' OR AS DIRECTED BY THE ENGINEER.

** COVER EXISTING CENTERLINE AND EDGELINES WITH MASK OUT TAPE.

TEMPORARY TRAFFIC SIGNAL TIMING (PRE-TIMED SETTINGS)			
NB		SB	
PHASE 1 (SECS)		PHASE 2 (SECS)	
GREEN	12	RED	12
YELLOW	4	RED	4
RED	18	RED	18
RED	12	GREEN	12
RED	4	YELLOW	4
RED	18	RED	18

STAGE 1 SEQUENCE:

1. SET UP TRAFFIC CONTROL PER THIS SHEET AND SDD "TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS".

2. COMPLETE ALL SB STRUCTURE WORK.

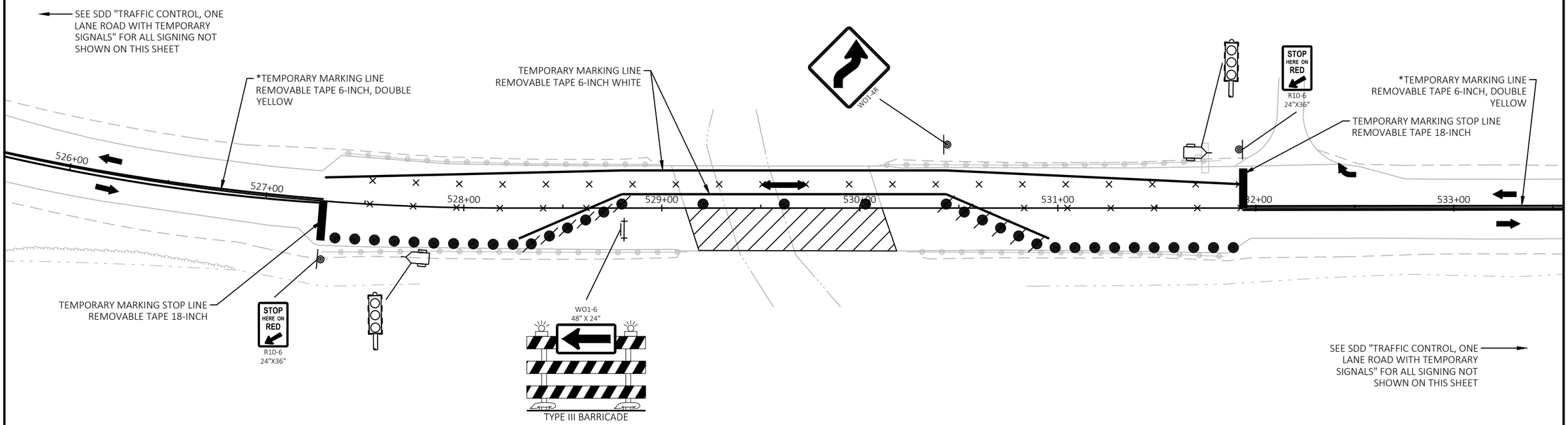
PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	STAGE CONSTRUCTION: STAGE 1, B-61-47	SHEET 25	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 01
PLOT DATE : 7/2/2026 12:43 PM
PLOT BY : NICHOLAS WATHKE, PE
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC
- SIGN ON PERMANENT SUPPORT
- WORK AREA
- **TEMPORARY MARKING REMOVABLE MASK OUT TAPE 8-INCH
- TEMPORARY TRAFFIC SIGNAL

N



NOTES:

1. USE THIS DETAIL IN COORDINATION WITH SDD "TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS".

2. ANY SIGNS WHICH CONFLICT WITH TRAFFIC CONTROL SHALL BE REMOVED OR COVERED AS DIRECTED BY THE ENGINEER.

* TEMPORARY PAVEMENT MARKING TO BE EXTENDED 500' OR AS DIRECTED BY THE ENGINEER.

** COVER EXISTING CENTERLINE AND EDGELINES WITH MASK OUT TAPE.

TEMPORARY TRAFFIC SIGNAL TIMING (PRE-TIMED SETTINGS)			
NB		SB	
PHASE 1 (SECS)		PHASE 2 (SECS)	
GREEN	12	RED	12
YELLOW	4	RED	4
RED	18	RED	18
RED	12	GREEN	12
RED	4	YELLOW	4
RED	18	RED	18

STAGE 1 SEQUENCE:

1. SET UP TRAFFIC CONTROL PER THIS SHEET AND SDD "TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS".

2. COMPLETE ALL NB STRUCTURE WORK.

1630-00-72

Line	Item	Item Description	Unit	Total	Qty
0002	203.0100	Removing Small Pipe Culverts	EACH	3.000	3.000
0004	203.0335	Debris Containment Over Waterway (structure) 01. B-61-47	EACH	1.000	1.000
0006	204.0110	Removing Asphaltic Surface	SY	1,185.000	1,185.000
0008	204.0115	Removing Asphaltic Surface Butt Joints	SY	5,285.000	5,285.000
0010	204.0120	Removing Asphaltic Surface Milling	SY	274,900.000	274,900.000
0012	204.0165	Removing Guardrail	LF	3,959.000	3,959.000
0014	204.9060.S	Removing (item description) 01. Culvert Endwalls	EACH	3.000	3.000
0016	205.0100	Excavation Common	CY	1,134.000	1,134.000
0018	208.0100	Borrow	CY	1,420.000	1,420.000
0020	208.1500.S	Temporary Lane Shift During Culvert Work	EACH	3.000	3.000
0022	211.0101	Prepare Foundation for Asphaltic Paving (project) 01. 1630-00-72	EACH	1.000	1.000
0024	211.0400	Prepare Foundation for Asphaltic Shoulders	STA	1,420.000	1,420.000
0026	213.0100	Finishing Roadway (project) 01. 1630-00-72	EACH	1.000	1.000
0028	305.0110	Base Aggregate Dense 3/4-Inch	TON	4,130.000	4,130.000
0030	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	780.000	780.000
0032	305.0500	Shaping Shoulders	STA	1,413.000	1,413.000
0034	450.6224	HMA Pavement 4 MT 58-28 S	TON	62,946.000	62,946.000
0036	455.0605	Tack Coat	GAL	36,181.000	36,181.000
0038	460.9000.S	Material Transfer Vehicle	EACH	1.000	1.000
0040	465.0105	Asphaltic Surface	TON	1,164.000	1,164.000
0042	465.0110	Asphaltic Surface Patching	TON	300.000	300.000
0044	465.0520	Asphaltic Rumble Strips, Shoulder	LF	103,155.000	103,155.000
0046	465.0560	Asphaltic Rumble Strips, Centerline	LF	62,039.000	62,039.000
0048	502.3205	Pigmented Surface Sealer Reseal	SY	90.000	90.000
0050	509.0301	Preparation Decks Type 1	SY	86.000	86.000
0052	509.0302	Preparation Decks Type 2	SY	34.000	34.000
0054	509.0310.S	Sawing Pavement Deck Preparation Areas	LF	860.000	860.000
0056	509.1200	Curb Repair	LF	30.000	30.000
0058	509.1500	Concrete Surface Repair	SF	280.000	280.000
0060	509.2000	Full-Depth Deck Repair	SY	12.000	12.000
0062	509.2100.S	Concrete Masonry Deck Repair	CY	11.000	11.000
0064	509.9025.S	Epoxy Injection Crack Repair	LF	60.000	60.000
0066	509.9026.S	Cored Holes 2-Inch Diameter	EACH	6.000	6.000
0068	516.0600.S	Sheet Membrane Waterproofing for Asphalt Overlays	SY	474.000	474.000
0070	520.8700	Cleaning Culvert Pipes	EACH	6.000	6.000
0072	521.1036	Apron Endwalls for Culvert Pipe Steel 36-Inch	EACH	1.000	1.000
0074	521.1072	Apron Endwalls for Culvert Pipe Steel 72-Inch	EACH	2.000	2.000
0076	522.0124	Culvert Pipe Reinforced Concrete Class III 24-Inch	LF	184.000	184.000
0078	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	6.000	6.000
0080	606.0200	Riprap Medium	CY	41.000	41.000
0082	611.8110	Adjusting Manhole Covers	EACH	1.000	1.000
0084	614.0305	Steel Plate Beam Guard Class A	LF	87.500	87.500
0086	614.0370	Steel Plate Beam Guard Energy Absorbing Terminal	EACH	18.000	18.000
0088	614.0400	Adjusting Steel Plate Beam Guard	LF	5,547.000	5,547.000
0090	614.0950	Replacing Guardrail Posts and Blocks	EACH	105.000	105.000
0092	614.2300	MGS Guardrail 3	LF	1,500.000	1,500.000
0094	614.2500	MGS Thrie Beam Transition	LF	315.200	315.200
0096	614.2610	MGS Guardrail Terminal EAT	EACH	30.000	30.000
0098	618.0100	Maintenance and Repair of Haul Roads (project) 01. 1630-00-72	EACH	1.000	1.000

1630-00-72

Line	Item	Item Description	Unit	Total	Qty
0100	619.1000	Mobilization	EACH	1.000	1.000
0102	624.0100	Water	MGAL	74.000	74.000
0104	625.0100	Topsoil	SY	420.000	420.000
0106	625.0500	Salvaged Topsoil	SY	8,061.000	8,061.000
0108	627.0200	Mulching	SY	10,250.000	10,250.000
0110	628.1504	Silt Fence	LF	9,340.000	9,340.000
0112	628.1520	Silt Fence Maintenance	LF	9,340.000	9,340.000
0114	628.1905	Mobilizations Erosion Control	EACH	10.000	10.000
0116	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	3.000
0118	628.2008	Erosion Mat Urban Class I Type B	SY	8,481.000	8,481.000
0120	628.7555	Culvert Pipe Checks	EACH	9.000	9.000
0122	629.0210	Fertilizer Type B	CWT	13.600	13.600
0124	630.0120	Seeding Mixture No. 20	LB	851.000	851.000
0126	630.0500	Seed Water	MGAL	441.000	441.000
0128	633.5200	Markers Culvert End	EACH	9.000	9.000
0130	638.2102	Moving Signs Type II	EACH	13.000	13.000
0132	638.4000	Moving Small Sign Supports	EACH	16.000	16.000
0134	642.5001	Field Office Type B	EACH	1.000	1.000
0136	643.0300	Traffic Control Drums	DAY	1,703.000	1,703.000
0138	643.0420	Traffic Control Barricades Type III	DAY	40.000	40.000
0140	643.0715	Traffic Control Warning Lights Type C	DAY	400.000	400.000
0142	643.0900	Traffic Control Signs	DAY	4,768.000	4,768.000
0144	643.1050	Traffic Control Signs PCMS	DAY	14.000	14.000
0146	643.3165	Temporary Marking Line Paint 6-Inch	LF	156,438.000	156,438.000
0148	643.3180	Temporary Marking Line Removable Tape 6-Inch	LF	900.000	900.000
0150	643.3850	Temporary Marking Stop Line Removable Tape 18-Inch	LF	88.000	88.000
0152	643.3980	Temporary Marking Removable Mask Out Tape 8-Inch	LF	550.000	550.000
0154	643.5000	Traffic Control	EACH	1.000	1.000
0156	645.0120	Geotextile Type HR	SY	80.000	80.000
0158	646.2040	Marking Line Grooved Wet Ref Epoxy 6-Inch	LF	221,382.000	221,382.000
0160	646.4040	Marking Line Grooved Wet Ref Epoxy 10-Inch	LF	1,701.000	1,701.000
0162	646.6120	Marking Stop Line Epoxy 18-Inch	LF	35.000	35.000
0164	648.0100	Locating No-Passing Zones	MI	13.900	13.900
0166	650.4500	Construction Staking Subgrade	LF	312.000	312.000
0168	650.5000	Construction Staking Base	LF	312.000	312.000
0170	650.6000	Construction Staking Pipe Culverts	EACH	3.000	3.000
0172	650.8000	Construction Staking Resurfacing Reference	LF	73,447.000	73,447.000
0174	650.9911	Construction Staking Supplemental Control (project) 01. 1630-00-72	EACH	1.000	1.000
0176	661.0101	Temporary Traffic Signals for Bridges (structure) 01. B-61-47	EACH	1.000	1.000
0178	680.0100	Public Land Survey Monument Verify and Reset	EACH	1.000	1.000
0180	690.0150	Sawing Asphalt	LF	1,060.000	1,060.000
0182	706.0105	HMA Percent Within Limits (PWL) Test Strip Volumetrics	EACH	1.000	1.000
0184	706.0110	Nuclear Gauge Correlation Strip - HMA, SMA	EACH	2.000	2.000
0186	706.2005	Incentive Density PWL HMA Pavement	DOL	42,600.000	42,600.000
0188	706.2007	Incentive Density HMA Pavement Longitudinal Joints	DOL	15,760.000	15,760.000
0190	706.2010	Incentive Air Voids HMA Pavement	DOL	62,850.000	62,850.000
0192	740.0440	Incentive IRI Ride	DOL	55,323.000	55,323.000
0194	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,500.000	2,500.000
0196	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	2,000.000	2,000.000

1630-00-72

Line	Item	Item Description	Unit	Total	Qty
0198	SPV.0060	Special 01. Cleaning Box Culvert C-61-8288	EACH	1.000	1.000
0200	SPV.0060	Special 02. Cleaning Box Culvert C-61-8310	EACH	1.000	1.000
0202	SPV.0060	Special 03. Box Culvert Joint Repair C-61-8288	EACH	1.000	1.000
0204	SPV.0060	Special 04. Box Culvert Joint Repair C-61-8310	EACH	1.000	1.000
0206	SPV.0060	Special 05. Adjust Water Main Valve Box	EACH	1.000	1.000
0208	SPV.0165	Special 01. Removing Loose Concrete	SF	200.000	200.000
0210	SPV.0180	Special 01. Ditch Cleaning	SY	672.000	672.000

203.0100
REMOVING
SMALL PIPE
CULVERTS

STATION	LOCATION	EACH	REMARKS
640+07	USH 53	1	60' X 24" CMCP
665+41	USH 53	1	57' X 24" CMCP
669+33	USH 53	1	57' X 24" CMCP
	BEAMGUARD		
	TOTAL 0010	3	

204.9060.S.01
REMOVING
(ITEM
DESCRIPTION)
(01. CULVERT
ENDWALLS)

STATION	LOCATION	EACH
540+97	RT	1
662+15	RT	1
673+74	RT	1
	TOTAL 0010	3

204.0115
REMOVING
ASPHALTIC
SURFACE BUTT
JOINTS

STATION	TO	STATION	LOCATION	SY
215+27	-	216+15	B-61-204	290
379+06	-	379+93	B-61-101	290
380+51	-	381+39	B-61-101	290
463+56		464+43	B 61 751	290
465+81	-	466+69	B-61-751	290
509+66	-	510+53	B-61-236?	290
511+78	-	512+66	B-61-236?	290
940+28	-	941+15	B-61-083	290
941+99		942+87	B 61 083	290
948+86	-	949+74	ML	290
224+97	-	225+86	LT, CTH TT	85
273+64	-	274+35	RT, TRUAX RD	97
287+13	-	287+81	LT, KLIMEK LN	78
300+89		301+43	LT, MACK LN	60
331+78	-	332+52	LT, WEST RD	82
366+01	-	366+92	RT, CAROLINE ST	90
367+90	-	368+58	RT, ANTOINETTE ST	73
372+59	-	372+96	RT, WEST ST	38
376+65	-	377+47	RT, W 1ST ST	87
377+18	-	378+16	LT, W 1ST ST	110
398+10	-	398+64	LT, BIRCH ST	63
449+30	-	449+68	LT, MITCHELL RD	45
481+20	-	481+78	LT, HAGESTAD LN	64
481+72	-	482+18	RT, HAGESTAD LN	65
488+40	-	489+19	RT, CTH C	120
491+33	-	492+17	LT, KITTLESON RD	95
517+71	-	518+35	RT, LUNDE COULEE LN	100
522+09	-	522+77	RT, CTH C	77
554+40	-	554+85	LT, TWINDE LN	52
609+95	-	610+59	RT, BEAR CREEK RD	71
615+86	-	616+28	LT, LARSON COULEE RD	76
701+85	-	703+08	LT, SKORSTAD DR	120
727+84	-	728+35	RT, LONE STAR DR	57
795+91	-	796+64	RT, BRADLEY RD	150
802+13	-	803+22	LT, CTH I	160
864+69	-	865+40	RT, STH 95 NB	120
920+76	-	921+14	LT, BREKKE RIDGE RD	40
945+20	-	946+15	LT, STH 95	110
			TOTAL 0010	5,285

204.0165
REMOVING
GUARDRAIL

STATION	TO	STATION	LOCATION	LF
237+40		239+00	RT	163
237+40	-	239+00	LT	163
246+63	-	248+24	RT	163
287+18	-	288+78	RT	160
288+22	-	288+72	LT	50
306+07	-	306+57	RT	50
307+86	-	308+36	LT	50
324+60	-	326+20	RT	163
324+60	-	326+20	LT	163
375+83	-	376+33	RT	50
392+75	-	393+28	RT	53
396+10		396+60	RT	53
521+33	-	521+82	RT	50
527+30	-	529+13	RT	185
527+37	-	528+99	LT	160
530+10	-	531+82	LT	172
530+24	-	531+84	RT	160
576+98	-	579+53	LT	255
577+20	-	579+75	RT	255
600+07	-	602+12	RT	205
600+60	-	602+40	LT	180
682+15	-	682+65	LT	50
686+10		686+60	RT	50
690+74	-	691+25	RT	50
690+99	-	691+47	LT	50
708+12	-	708+62	RT	50
709+64	-	710+14	LT	50
713+41	-	713+91	RT	50
717+35	-	717+85	LT	50
722+48	-	722+97	RT	50
724+02	-	724+53	LT	50
725+60	-	726+11	LT	50
725+97	-	726+46	RT	50
889+43		889+92	LT	50
940+40	-	941+37	RT	95
940+42	-	941+37	LT	95
941+77	-	942+86	RT	108
941+77	-	942+86	LT	108
			TOTAL 0010	3,959

211.0400
PREPARE
FOUNDATION
FOR ASPHALTIC
SHOULDERS

STATION	TO	STATION	LOCATION	STA
217+27	-	949+74	LT	710
217+27	-	949+74	RT	710
			TOTAL 0050	1,420

3

ALL ITEM CATEGORY 0010 UNLESS
NOTED OTHERWISE

3

DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	205.0100 COMMON EXCAVATION (1) EBS EXCAVATION	SALVAGED/UNUSABLE PAVEMENT MATERIAL (3)	AVAILABLE MATERIAL (4)	UNEXPANDED FILL	EXPANDED FILL (5) FACTOR 1.25	MASS ORDINATE +/- (6)	208.0100 BORROW
GUARDRAIL GRADING	215+27 TO 949+74	USH 53	64	--	--	64	1,155	1,444	-1,380	1,380
CULVERTS			1,070	--	--	--	--	10	-10	10
SCOUR REPAIR			--	--	--	--	--	30	-30	30
DIVISION 1 SUBTOTAL			1,134	0	0	64	1,155	1,484	-1,420	
GRAND TOTAL			1,134	0	0	64	1,155	1,484	-1,420	1,420
TOTAL COMMON EXC			1,134							

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) SALVAGED/UNUSABLE PAVEMENT MATERIAL

(4) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL

(5) EXPANDED FILL FACTOR = 1.25

(6) 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.

(7) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

ALL ITEM CATEGORY 0010 UNLESS
NOTED OTHERWISE

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\030101-MQ.DWG
LAYOUT NAME - 07
PLOT DATE : 7/2/2026 12:44 PM PLOT BY : NICHOLAS WATHKE, PE PLOT NAME : PLOT SCALE : 1" = 1'
WISDOT/CADDS SHEET 42

STATION	TO	STATION	LOCATION	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	* 624.0100 WATER MGAL	REMARKS
639+55	-	640+59	ML	260	4	CULVERT REPLACEMENT
664+89	-	665+93	ML	260	4	CULVERT REPLACEMENT
668+81	-	669+85	ML	260	4	CUVLERT REPLACEMENT
			TOTAL 0010	780	12	

STATION	TO	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0500 SHAPING SHOULDERS STA	* 624.0100 WATER MGAL
217+27	-	949+74	LT	2,060	706	31
217+27	-	949+74	RT	2,070	707	31
			TOTAL 0010	4,130	1,413	62

STATION	TO	STATION	LOCATION	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	* 455.0605 TACK COAT GAL	* 450.6224 HMA PAVEMENT 4 MT 58-28 S TON	465.0105 ASPHALTIC SURFACE TON	465.0110 ASPHALTIC SURFACE PATCHING TON	REMARKS
215+27	-	379+93	LT/RT	--	62,730	7,530	13,175	--	--	
380+51	-	464+43	LT/RT	--	29,810	3,580	6,265	--	--	
465+81	-	510+53	LT/RT	--	16,735	2,010	3,515	--	--	
511+78	-	529+12	LT/RT	--	8,210	985	1,725	--	--	
530+11	-	729+00	LT/RT	--	78,945	9,475	16,580	--	--	
729+00	-	941+15	LT/RT	--	74,365	8,925	15,620	--	--	
941+99	-	949+74	LT/RT	--	4,105	495	865	--	--	
912+50	-	915+00	RT	1,185	--	145	--	250	--	WAYSIDE
639+55	-	640+59	LT/RT	--	--	28	--	138	--	CULVERT PIPE REAPLACEMENT, MINIMUM GRADE MIX OF 4 MT 58-34 S
664+89	-	665+93	LT/RT	--	--	28	--	138	--	CULVERT PIPE REAPLACEMENT, MINIMUM GRADE MIX OF 4 MT 58-34 S
668+81	-	669+85	LT/RT	--	--	28	--	138	--	CULVERT PIPE REAPLACEMENT, MINIMUM GRADE MIX OF 4 MT 58-34 S
			PROJECT	--	--	--	--	500	200	FOR MISCELLANEOUS REPAIRS OF MILLED SURFACE
			PROJECT	--	--	--	--	--	100	FOR MISCELLANEOUS REPAIRS OF POT HOELS, TRAFFIC POP-OUTS, AND RAMPING AT BUTT JOINT SAWCUTS
			TOTAL 0010	1,185	274,900	33,229	57,745	1,164	300	

STATION	TO	STATION	LOCATION	* 455.0605 TACK COAT GAL	* 450.6224 HMA PAVEMENT 4 MT 58-28 S TON	465.0520 ASPHALTIC RUMBLE STRIPS, SHOULDER LF
215+27	-	379+93	LT/RT	616	1,077	--
380+51	-	464+43	LT/RT	370	647	--
465+81	-	510+53	LT/RT	179	312	--
511+78	-	529+12	LT/RT	20	35	--
529+12	-	729+00	LT/RT	719	1,258	--
729+00	-	941+15	LT/RT	1,011	1,770	--
941+15	-	949+74	LT/RT	3	4	--
215+27	-	949+74	RT	--	--	49,834
215+27	-	949+74	LT	--	--	53,321
			TOTAL 0050	2,918	5,103	103,155

LOCATION	706.0105 HMA PERCENT WITHIN LIMITS (PWL) TEST STRIP VOLUMETRICS EACH	706.0110 NUCLEAR GUAGE CORRELATION STRIP - HMA, SMA EACH
PROJECT	1	2
TOTAL 0010	1	2

ALL ITEM CATEGORY 0010 UNLESS NOTED OTHERWISE

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	MISCELLANEOUS QUANTITIES	SHEET 32	E

PWL MIXTURE USE TABLE

THE FOLLOWING ACCEPTANCE CRITERIA ARE APPLICABLE TO THIS PROJECT

LOCATION	STATION	MIXTURE USE	UNDERLYING SURFACE	BID ITEM	TONS	THICKNESS	QUALITY MANAGEMENT PROGRAM TO BE USED FOR	
							MIXTURE ACCEPTANCE	DENSITY ACCEPTANCE
12-FOOT DRIVING LANES	215+26 - 950+53	LOWER LAYER	MILLED EXISTING HMA SURFACE	4 MT 58-28 S	21,820	2"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 706.2010	PWL NUCLEAR GAUGES (CORRELATED), INCENTIVE DENSITY PWL HMA PAVEMENT 706.2005
PASSING LANES	676+03-707+54 NB, 695+47-721+47SB		MILLED EXISTING HMA SURFACE	4 MT 58 28 S	900	2"		
PAVED SHOULDERS	215+26 - 950+53		MILLED EXISTING HMA SURFACE	4 MT 58-28 S	9,090	2"		ACCEPTANCE TESTING BY THE DEPARTMENT (CORRELATED); NOT ELIGIBLE FOR INCENTIVE OR DISINCENTIVE
TURN LANES, PASSING LANES AT SIDE ROADS			MILLED EXISTING HMA SURFACE	4 MT 58-28 S	1,348	2"		
SIDE ROADS			MILLED EXISTING HMA SURFACE	4 MT 58-28 S	360	2"		
12-FOOT DRIVING LANE	215+26 - 950+53	UPPER LAYER	4 MT 58-34 V	4 MT 58-28 S	19,090	1.75"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 706.2010	PWL NUCLEAR GAUGES (CORRELATED), INCENTIVE DENSITY PWL HMA PAVEMENT 706.2005
PASSING LANES	676+03-707+54 NB, 695+47-721+47SB		4 MT 58-34 V	4 MT 58-28 S	790	1.75"		
PAVED SHOULDER	215+26 950+53		4 MT 58 34 V	4 MT 58 28 S	7,960	1.75"		ACCEPTANCE TESTING BY THE DEPARTMENT (CORRELATED); NOT ELIGIBLE FOR INCENTIVE OR DISINCENTIVE
TURN LANES, PASSING LANES AT SIDE ROADS			4 MT 58-34 V	4 MT 58-28 S	1,180	1.75"		
SIDE ROADS			4 MT 58-34 V	4 MT 58-28 S	310	1.75"		
WAYSIDE		WAYSIDE	EXISTING BASE	ASPHALTIC SURFACE	250	3.75" TOTAL	(SS 465)	ACCEPTANCE BY ORDINARY COMPACTION (SS 450.3.2.6.2)
CULVERT PATCHES		CUVLERT PATCHES	BASE AGGREGATE DENSE 1-1/4IN	ASPHALTIC SURFACE	414	6.25" TOTAL	(SS 465)	

ALL ITEM CATEGORY 0010 UNLESS NOTED OTHERWISE

STATION	TO	STATION	LOCATION	465.0560 ASPHALTIC RUMBLE STRIPS, CENTERLINE LF
215+27	-	949+74	ML	62,039
			TOTAL 0010	62,039

STATION	LOCATION	208.1500.S TEMPORARY LANE SHIFT DURING CULVERT WORK EACH	522.0124 CULVERT PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	628.7555 CULVERT PIPE CHECKS EACH	* 633.5200 MARKERS CULVERT END EACH
640+07	USH 53	1	68	2	3	2
665+41	USH 53	1	58	2	3	2
669+33	USH 53	1	58	2	3	2
	TOTAL 0010	3	184	6	9	6

STATION	LOCATION	606.0200 RIPRAP MEDIUM CY	645.0120 GEOTEXTILE TYPE HR SY	REMARKS
640+07	USH 53	2	5	CULVERT REPLACEMENT
660+42	RT	10	20	SCOUR REPAIR
665+41	USH 53	2	5	CULVERT REPLACEMENT
669+33	USH 53	2	5	CULVERT REPLACEMENT
688+43	LT	10	20	SCOUR REPAIR
805+06	LT	15	25	SCOUR REPAIR
	TOTAL 0010	41	80	

STATION	LOCATION	520.8700 CLEANING CULVERT PIPES EACH	521.1036 APRON ENDWALLS FOR CULVERT PIPE STEEL 36-INCH EACH	521.1072 APRON ENDWALLS FOR CULVERT PIPE STEEL 72-INCH EACH	633.5200 MARKERS CULVERT END EACH	SPV.0180.01 SPECIAL (01. DITCH CLEANING) SY
540+97	RT	--	--	1	1	112
541+84	LT/RT	1	--	--	--	112
552+52	LT/RT	1	--	--	--	--
578+36	LT	--	--	--	--	--
630+93	LT/RT	1	--	--	--	56
647+67	LT/RT	--	--	--	--	--
660+42	RT	--	--	--	--	--
662+15	RT	--	1	--	1	--
673+74	RT	--	--	1	1	--
688+43	LT	--	--	--	--	--
733+12	RT	--	--	--	--	56
741+59	LT/RT	--	--	--	--	112
762+04	LT/RT	--	--	--	--	112
764+99	LT/RT	1	--	--	--	--
781+48	LT/RT	1	--	--	--	112
805+06	LT	--	--	--	--	--
824+24	LT	--	--	--	--	--
843+65	LT	--	--	--	--	--
851+68	LT/RT	1	--	--	--	--
	TOTAL 0010	6	1	2	3	672

STATION	LOCATION	611.8110 ADJUSTING MANHOLE COVERS EACH
377+10	RT	1
	TOTAL 0010	1

STATION	TO	STATION	LOCATION	614.0305 STEEL PLATE BEAM GUARD CLASS A LF	614.0370 STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL EACH
288+21	-	289+22	LT	50	1
306+07	-	306+57	RT	--	1
307+86	-	308+73	LT	37.5	1
375+83	-	376+32	RT	--	1
521+33	-	521+82	RT	--	1
682+15	-	682+65	LT	--	1
686+10	-	686+60	RT	--	1
690+73	-	691+25	RT	--	1
690+99	-	691+47	LT	--	1
708+12	-	708+62	RT	--	1
709+94	-	710+44	LT	--	1
713+41	-	713+91	RT	--	1
717+35	-	717+85	LT	--	1
722+48	-	722+97	RT	--	1
724+02	-	724+53	RT	--	1
725+60	-	726+11	LT	--	1
725+97	-	726+46	RT	--	1
889+43	-	889+92	LT	--	1
			TOTAL 0010	87.5	18

STATION	TO	STATION	LOCATION	614.0400 ADJUSTING STEEL PLATE BEAM GUARD LF	614.0950 REPLACING GUARDRAIL POSTS AND BLOCKS EACH
246+72	-	247+92	LT	121	--
306+57	-	307+91	RT	134	--
307+38	-	307+86	LT	48	--
313+53	-	322+20	RT	867	--
376+33	-	376+81	RT	50	--
377+12	-	379+93	RT	281	--
380+58	-	381+70	LT	112	--
393+28	-	396+07	RT	279	--
511+61	-	512+44	RT	83	--
518+18	-	521+33	RT	315	42
682+65	-	690+99	LT	834	56
686+61	-	690+73	RT	415	--
708+62	-	713+41	RT	479	7
710+44	-	717+35	LT	691	--
722+97	-	725+57	RT	260	--
724+53	-	725+60	LT	107	--
889+92	-	894+63	LT	471	--
			TOTAL 0010	5,547	105

ALL ITEM CATEGORY 0010 UNLESS NOTED OTHERWISE

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

STATION	TO	STATION	LOCATION	614.2300 MGS GUARDRAIL 3 LF	614.2500 MGS THRIE BEAM TRANSITION LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH
236+93	-	239+00	RT	100	--	2
237+39		239+46	LT	100		2
246+26	-	248+24	RT	87.5	--	2
286+71	-	288+78	RT	100	--	2
324+14	-	326+66	RT	100	--	2
324+60	-	326+20	LT	100	--	2
392+74		393+25	RT			1
396+10	-	396+60	RT	--	--	1
527+33		529+13	RT	87.5	39.4	1
527+44	-	528+99	LT	62.5	39.4	1
530+10	-	531+77	LT	75	39.4	1
530+24	-	531+91	RT	75	39.4	1
576+81	-	579+75	RT	187.5	--	2
576+98	-	579+79	LT	175	--	2
599+93	-	602+12	RT	112.5	--	2
600+60	-	602+54	LT	87.5	--	2
940+33	-	942+37	RT	12.5	39.4	1
940+46	-	947+37	LT	12.5	39.4	1
941+77	-	942+81	RT	12.5	39.4	1
941+77	-	942+81	LT	12.5	39.4	1
			TOTAL 0010	1,500	315.2	30

STATION	TO	STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF
235+50	-	241+00	LT/RT	960	960
244+70	-	249+75	RT	510	510
285+25	-	290+55	LT/RT	750	750
304+50		306+60	RT	230	230
307+75	-	310+30	LT	260	260
323+00	-	328+00	LT/RT	880	880
392+20	-	393+45	RT	160	160
395+75	-	398+15	RT	260	260
521+00		522+00	RT	100	100
525+60	-	533+50	LT/RT	1,060	1,060
575+60		580+75	LT/RT	830	830
599+50	-	603+45	LT/RT	680	680
639+50	-	640+55	LT/RT	320	320
664+95	-	666+00	LT/RT	260	260
668+75	-	670+00	LT/RT	290	290
690+60	-	691+85	LT	130	130
707+50	-	719+10	LT/RT	570	570
721+95	-	727+00	LT/RT	510	510
889+00	-	890+00	LT	140	140
939+45		943+00	LT/RT	440	440
			TOTAL 0010	9,340	9,340

ALL ITEM CATEGORY 0010 UNLESS NOTED OTHERWISE

STATION	TO	STATION	LOCATION	625.0100 TOPSOIL SY	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0500 SEED WATER MGAL	REMARKS
235+50	-	241+00	LT/RT	--	810	--	810	0.6	37	19	GUARDRAIL GRADING
244+70	-	249+75	LT/RT	--	480	--	480	0.4	22	11	GUARDRAIL GRADING
285+25	-	290+55	LT/RT	--	640	--	640	0.5	29	15	GUARDRAIL GRADING
304+50	-	306+60	LT/RT	--	230	--	230	0.2	11	6	GUARDRAIL GRADING
307+75	-	310+30	LT/RT	--	220	--	220	0.2	10	5	GUARDRAIL GRADING
323+00	-	328+00	LT/RT	--	810	--	810	0.6	37	19	GUARDRAIL GRADING
375+40	-	376+45	LT/RT	--	50	--	50	0.1	3	2	GUARDRAIL GRADING
392+20	-	393+45	LT/RT	--	150	--	150	0.1	7	4	GUARDRAIL GRADING
395+75	-	398+15	LT/RT	--	440	--	440	0.3	20	10	GUARDRAIL GRADING
521+00	-	522+00	LT/RT	--	50	--	50	0.1	3	2	GUARDRAIL GRADING
525+60	-	533+50	LT/RT	--	1140	--	1140	0.8	52	26	GUARDRAIL GRADING
575+60	-	580+75	LT/RT	--	720	--	720	0.5	33	17	GUARDRAIL GRADING
	578+36		LT	90	--	--	90	0.1	5	3	EMBANKMENT REPAIR
599+50		603+45	LT/RT		460		460	0.3	21	11	GUARDRAIL GRADING
	640+07		LT	--	107	--	107	0.1	5	3	CULVERT PIPE REPLACEMENT
	640+07		RT	--	142	--	142	0.1	7	4	CULVERT PIPE REPLACEMENT
	647+72		LT	60	--	--	60	0.1	2	2	EMBANKMENT REPAIR
	647+72		RT	55	--	--	55	0.1	2	2	EMBANKMENT REPAIR
	660+42		RT	25			25	0.1	1	1	SCOUR REPAIR
	665+41		LT	--	66	--	66	0.1	3	2	CULVERT PIPE REPLACEMENT
	665+41		RT	--	104	--	104	0.1	5	3	CULVERT PIPE REPLACEMENT
	669+33		LT	--	66	--	66	0.1	3	2	CULVERT PIPE REPLACEMENT
	669+33		RT	--	66	--	66	0.1	3	3	CULVERT PIPE REPLACEMENT
	688+43		LT	100			100	0.1	3	3	SCOUR REPAIR
690+60	-	691+85	LT/RT	--	70	--	70	0.1	4	2	GUARDRAIL GRADING
707+50	-	719+10	LT/RT	--	510	--	510	0.4	23	12	GUARDRAIL GRADING
721+95	-	727+00	LT/RT	--	440	--	440	0.3	20	10	GUARDRAIL GRADING
	805+06		LT	50	--	--	50	0.1	2	2	SCOUR REPAIR
	824+24		LT	30			30	0.1	1	1	EMBANKMENT REPAIR
	843+65		LT	10	--	--	10	0.1	1	1	EMBANKMENT REPAIR
939+45	-	943+00	LT/RT	--	290	--	290	0.2	14	7	GUARDRAIL GRADING
			UNDISTRIBUTED	--	--	10,250	--	6.5	462	231	VARYING SHOULDER FILL
			TOTAL 0010	420	8,061	10,250	8,481	13.6	851	441	

LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
PROJECT	10	3
TOTAL 0010	10	3

STATION	TO	STATION	LOCATION	638.2102 MOVING SIGNS TYPE II EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH
236+93	-	239+46	LT/RT	3	3
375+83	-	376+32	RT	1	1
392+74	-	396+60	RT	2	3
521+33	-	521+82	RT	1	1
530+10	-	531+77	LT	2	3
576+81	-	579+75	RT	1	1
940+33	-	942+81	LT/RT	3	4
			TOTAL 0010	13	16

LOCATION	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	643.0900 TRAFFIC CONTROL SIGNS DAY	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY	643.5000 TRAFFIC CONTROL EACH	661.0101.01 TEMPORARY TRAFFIC SIGNALS FOR BRIDGES (STRUCTURE) (01. B-61-47) EACH	REMARKS
MAINLINE	70	--	--	--	14	--	--	PCMS 1 WEEK PRIOR TO CONSTRUCTION
MAINLINE	1,033	--	--	4,368	--	1	--	ADVANCED WARNING/FLAGGING (112 DAYS)
B-61-47	600	40	400	400	--	--	1	B-61-74 REHABILITATION (20 DAYS)
TOTAL 0010	1,703	40	400	4,768	14	1	1	

STATION	LOCATION	680.0100 PUBLIC LAND SURVEY MONUMENT VERIFY AND RESET EACH
875+13	USH 53	1
TOTAL 0010		1

STATION	TO	STATION	LOCATION	643.3165 TEMPORARY MARKING LINE PAINT 6-INCH LF	643.3180 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH LF	643.3850 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH LF	643.3980 TEMPORARY MARKING REMOVABLE MASK OUT TAPE 8-INCH LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH LF	646.4040 MARKING LINE GROOVED WET REF EPOXY 10-INCH LF	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	REMARKS
215+27	-	949+74	LT	--	--	--	--	70,794	--	--	EDGELINE
215+27	-	949+74	RT	--	--	--	--	70,829	--	--	EDGELINE
215+27	-	949+74	ML	156,438	--	--	--	78,219	--	--	CENTERLINE
215+27	-	949+74	ML	--	--	--	--	--	--	35	STH 95 STOPLINE
215+27	-	949+74	ML	--	--	--	--	--	1,701	--	CHANNELIZING 10"
215+27	-	949+74	LT	--	--	--	--	110	--	--	PASSING LANES 3' SKIPS
215+27	-	949+74	RT	--	--	--	--	188	--	--	PASSING LANES 3' SKIPS
215+27	-	949+74	LT	--	--	--	--	540	--	--	PASSING LANES 12.5' SKIPS
215+27	-	949+74	RT	--	--	--	--	601	--	--	PASSING LANES 12.5' SKIPS
215+27	-	949+74	LT	--	--	--	--	38	--	--	PASSING LANES AT SIDE ROADS 12.5' SKIPS
215+27	-	949+74	RT	--	--	--	--	63	--	--	PASSING LANES AT SIDE ROADS 12.5' SKIPS
			B-61-74	--	900	88	550	--	--	--	B-61-74 REHABILITATION
			TOTAL 0010	156,438	900	88	550	221,382	1,701	35	

STATION	LOCATION	690.0150 SAWING ASPHALT LF	REMARKS
640+07	ML	60	CULVERT REPLACEMENT
665+41	ML	60	CULVERT REPLACEMENT
669+33	ML	60	CULVERT REPLACEMENT
--	ML	880	PAVED DRIVEWAYS
TOTAL 0010		1,060	

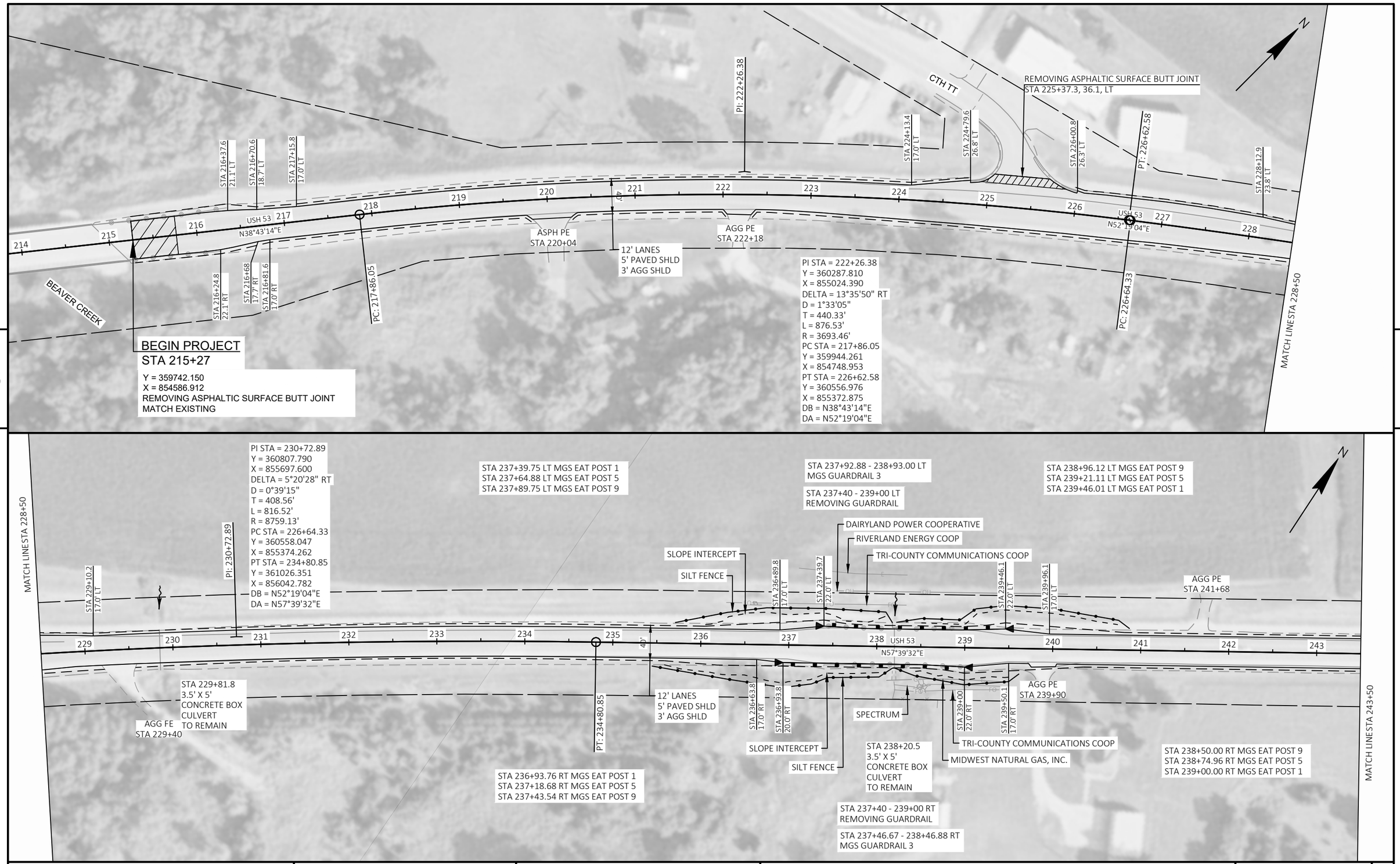
STATION	TO	STATION	LOCATION	648.0100 LOCATING NO-PASSING ZONES MI
215+27	-	949+74	ML	13.9
			TOTAL 0010	13.9

STATION	TO	STATION	LOCATION	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE LF	650.9911.01 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) (01. 1630-00-72) EACH	REMARKS
215+27	-	949+74	ML	--	--	--	73,447	1	
639+55	-	640+59	ML	104	104	1	--	--	CULVERT PIPE REPLACEMENT
664+89	-	665+93	ML	104	104	1	--	--	CULVERT PIPE REPLACEMENT
668+81	-	669+85	ML	104	104	1	--	--	CULVERT PIPE REPLACEMENT
			TOTAL 0010	312	312	3	73,447	1	

LOCATION	999.2000.S.01 INSTALLING AND MAINTAINING BIRD DETERRENT SYSTEM (STATION) (01. B-61-47) EACH
B-61-47	1
TOTAL 0010	1

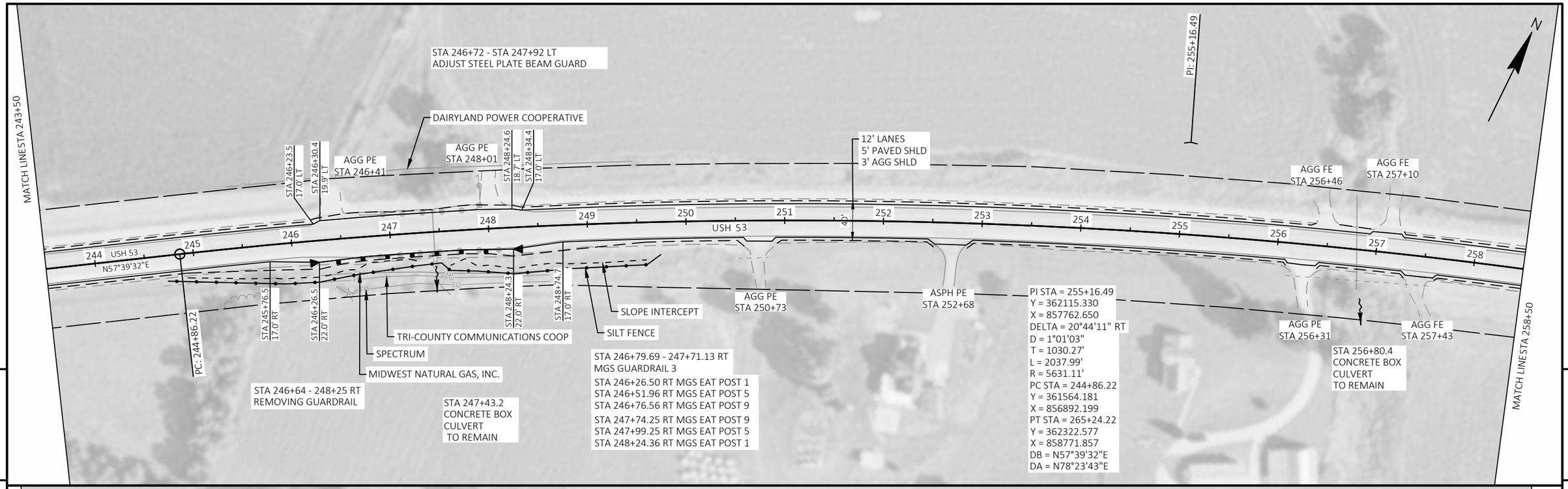
STATION	LOCATION	SPV.0060.05 SPECIAL (05. ADJUST WATER MAIN VALVE BOX) EACH
377+75	RT	1
	TOTAL 0010	1

ALL ITEM CATEGORY 0010 UNLESS NOTED OTHERWISE



PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	PLAN SHEETS	SHEET 37	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\050101-PN.DWG
LAYOUT NAME - 01
PLOT DATE : 7/2/2026 12:45 PM
PLOT BY : NICHOLAS WATHKE, PE
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



BENCHMARK & CONTROL POINT TABLE						
POINT	STATION	OFFSET	ELEV	DESCRIPTION	Y	X
CP 900	268+04.01	39.41 RT	766.15	HMOD	362340.25	859053.86

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	PLAN SHEETS	SHEET 38 E

MATCH LINESTA 273+50

STA 273+63.1
30" CPRC
TO REMAIN

AGG FE
STA 274+09

STA 374+42
24" CPRC
TO REMAIN

AGG PE
STA 285+15

STA 287+61 - STA 288+22 LT
ADJUST STEEL PLATE BEAM GUARD

STA 288+22 - STA 288+72 LT
REMOVING GUARDRAIL

KLIMEK LN

TRI-COUNTY
COMMUNICATIONS
COOP

REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 287+45.6, 30.6, LT

RIVERLAND
ENERGY COOP

STA 286+61.1
17.0' LT

STA 286+84.8
20.6' LT

274 275 276 277 278 279 280 281 USH 53 282 283 284 285 286 287 288

STA 273+63.1
2.1' RT

N78°23'43"E

40'

12' LANES
5' PAVED SHLD
3' AGG SHLD

AGG FE
STA 283+74

REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 273+98.5, 27.0, RT

TRUAX RD

STA 286+21.7
17.0' RT

STA 286+71.8
22.0' RT

SLOPE INTERCEPT
SILT FENCE
DAIRYLAND POWER COOPERATIVE
WETLAND BOUNDARY
MIDWEST NATURAL GAS, INC.
TRI-COUNTY COMMUNICATIONS COOP
SPECTRUM

STA 287+18 - 288+78 RT
REMOVING GUARDRAIL

STA 286+71.65 RT MGS EAT POST 1
STA 286+96.65 RT MGS EAT POST 5
STA 287+21.65 RT MGS EAT POST 9

STA 287+24.76 - 288+24.78 RT
MGS GUARDRAIL 3

STA 287+97.2
42" X 60"
CONCRETE BOX
CULVERT
TO REMAIN

MATCH LINESTA 288+50

5

5

STA 288+21.68 - STA 288+71.68 LT
STEEL PLATE BEAM GUARD CLASS A

STA 288+71.68 LT STEEL PLATE BEAM GUARD EAT POST 9
STA 288+96.18 LT STEEL PLATE BEAM GUARD EAT POST 5
STA 289+21.94 LT STEEL PLATE BEAM GUARD EAT POST 1

MATCH LINESTA 288+50

RIVERLAND ENERGY COOP
TRI-COUNTY COMMUNICATIONS COOP

STA 289+21.7
23.0' LT

STA 289+81.3
17.0' LT

SLOPE INTERCEPT
SILT FENCE

STA 292+65
30" CPRC
TO REMAIN

REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 301+15.1, 31.3, LT

MACK LN

289 290 291 292 293 294 295 296 297 USH 53 298 299 300 301 302 303

N78°23'43"E

40'

12' LANES
5' PAVED SHLD
3' AGG SHLD

AGG PE
STA 297+36

STA 288+77.9
22.0' RT

STA 289+28
17.0' RT

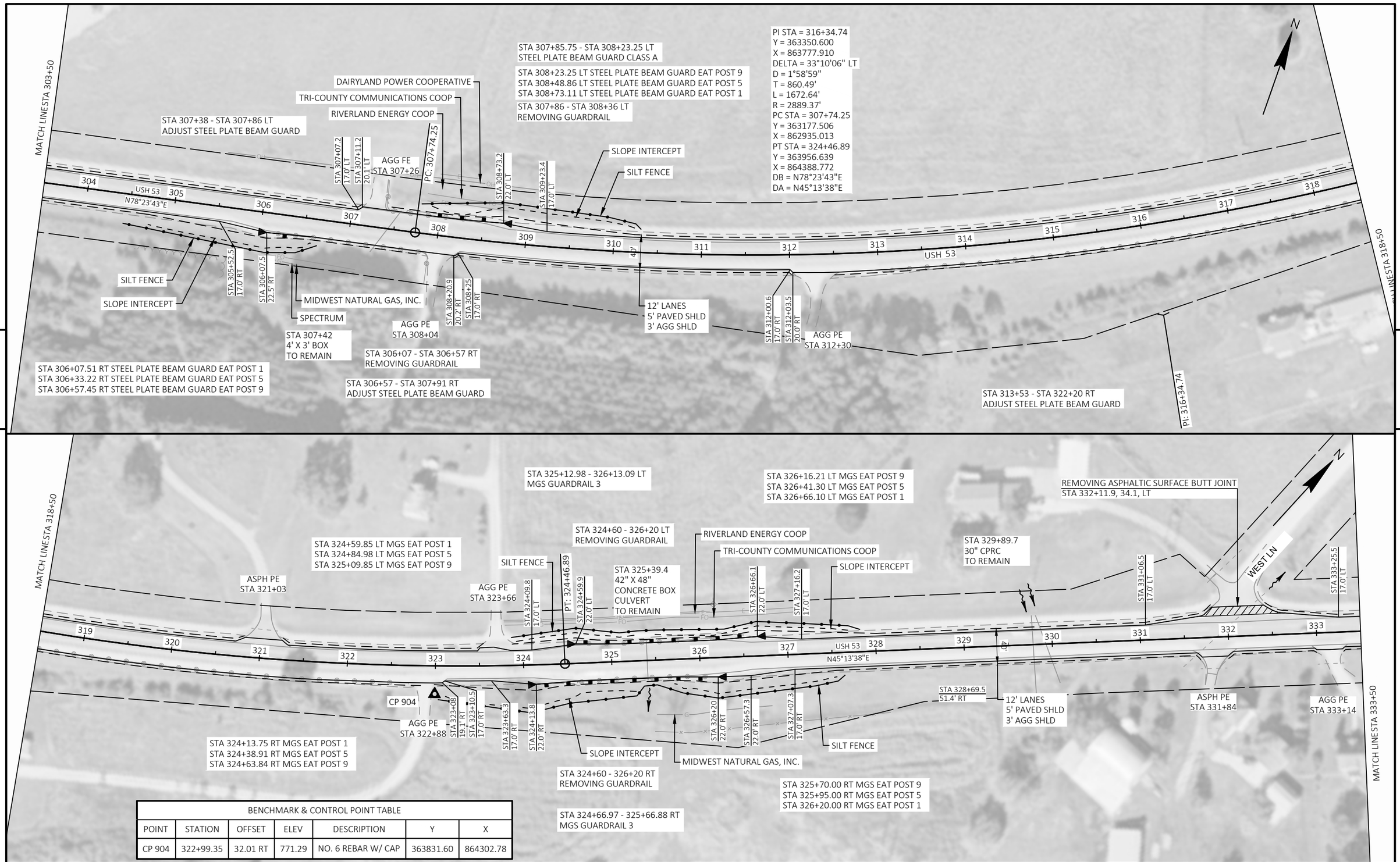
SILT FENCE
SLOPE INTERCEPT
DAIRYLAND POWER COOPERATIVE
TRI-COUNTY COMMUNICATIONS COOP
MIDWEST NATURAL GAS, INC.
SPECTRUM

STA 288+27.90 RT MGS EAT POST 9
STA 288+52.90 RT MGS EAT POST 5
STA 288+77.90 RT MGS EAT POST 1

MATCH LINESTA 303+50

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	PLAN SHEETS	SHEET 39	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\050101-PN.DWG
LAYOUT NAME - 03
PLOT DATE : 7/2/2026 12:45 PM
PLOT BY : NICHOLAS WATHKE, PE
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



BENCHMARK & CONTROL POINT TABLE						
POINT	STATION	OFFSET	ELEV	DESCRIPTION	Y	X
CP 904	322+99.35	32.01 RT	771.29	NO. 6 REBAR W/ CAP	363831.60	864302.78

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	PLAN SHEETS	SHEET 40	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\050101-PN.DWG
LAYOUT NAME - 04
PLOT DATE : 7/2/2026 12:46 PM
PLOT BY : NICHOLAS WATHKE, PE
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

MATCH LINESTA 333+50

AGG FE
STA 341+59

334 335 336 337 338 339 340 341 342 343 344 345 346 347 348

USH 53
N45°13'38"E

40'

12' LANES
5' PAVED SHLD
3' AGG SHLD

AGG PE
STA 339+38

MATCH LINESTA 348+50

STA 351+89.3
24" CPRC
TO REMAIN

AGG FE
STA 359+95

STA 360+36.5
42" X 72"
CONCRETE BOX
CULVERT
TO REMAIN

STA 362+51.2
17.0' LT

349 350 351 352 353 354 355 356 357 358 359 360 361 362 363

USH 53
N45°13'38"E

40'

12' LANES
5' PAVED SHLD
3' AGG SHLD

AGG FE
STA 351+64

AGG PE
STA 355+87

AGG PE
STA 359+88

ASPH CE
STA 361+62

STA 362+65.6
17.0' RT

MATCH LINESTA 363+50

5

5

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	PLAN SHEETS	SHEET 41	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\050101-PN.DWG
LAYOUT NAME - 05

PLOT DATE : 7/2/2026 12:46 PM PLOT BY : NICHOLAS WATHKE, PE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

MATCH LINE STA 363+50

N

STA 364+21.4
24.1' LT

AGG CE
STA 365+95

STA 366+55.2
25.1' LT

PC: 366+56.30

STA 367+70.7
24" CPRC
TO REMAIN

PI STA = 373+13.41
Y = 367384.120
X = 867843.530
DELTA = 25°46'25" LT
D = 1°59'42"
T = 657.11'
L = 1291.98'
R = 2872.12'
PC STA = 366+56.30
Y = 366921.321
X = 867377.048
PT STA = 379+48.28
Y = 368003.714
X = 868062.374
DB = N45°13'38"E
DA = N19°27'13"E

AGG CE
STA 368+83

STA 370+61.4
17.0' LT

STA 375+83.24 RT STEEL PLATE BEAM GUARD EAT POST 1
STA 376+07.94 RT STEEL PLATE BEAM GUARD EAT POST 5
STA 376+32.64 RT STEEL PLATE BEAM GUARD EAT POST 9

REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 377+67.8, 33.7, LT

STA 377+10 RT
1-ADJUSTING MANHOLE
COVERS

CTH D

STA 378+42.3
24.0' LT

STA 374+42
30" CPRC
TO REMAIN

STA 376+31.6
17.0' LT

STA 376+89.3
23.6' LT

ASPH PE
STA 373+25

DAIRYLAND POWER COOP

364 365 366 367 368 369 370 371 372 373 374 375 376 377 378

USH 53
N45°13'38"E

STA 363+70.2
22.6' RT

ASPH CE
STA 364+66

STA 365+58
23.2' RT

STA 365+65.6
26.3' RT

CAROLINE ST

REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 366+44.6, 36.3, RT

REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 368+26.2, 34.4, RT

STA 368+68.9
22.5' RT

STA 369+18.4
17.0' RT

ANTOINETTE ST

12' LANES
5' PAVED SHLD
3' AGG SHLD

STA 372+26.2
17.0' RT

WEST AVE

REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 372+78.6, 32.4, RT

STA 373+07.9
21.9' RT

PI: 373+13.41

STA 373+96.1
22.8' RT

AGG PE
STA 375+33

SLOPE INTERCEPT

STA 375+80.2
25.3' RT

STA 376+37.9
28.5' RT

BM 905

STA 376+33 - STA 376+81 RT
ADJUST STEEL PLATE BEAM GUARD

STA 377+12 - STA 379+93 RT
ADJUST STEEL PLATE BEAM GUARD

STA 375+83 - STA 376+33 RT
REMOVING GUARDRAIL

REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 377+01.3, 39.2, RT

W 1st ST

STA 377+68.3
28.2' RT

STA 377+75 RT
1-ADJUST WATER MAIN
VALVE BOX

STA 378+35.7
22.2' RT

MATCH LINE STA 378+50

BENCHMARK & CONTROL POINT TABLE						
POINT	STATION	OFFSET	ELEV	DESCRIPTION	Y	X
BM 905	376+77.80	106.95 RT	775.42	ALUM DISK IN BRIDGE	367708.35	868057.48

5

5

STA 380+58 - STA 381+70 LT
ADJUST STEEL PLATE BEAM GUARD

BENCHMARK & CONTROL POINT TABLE						
POINT	STATION	OFFSET	ELEV	DESCRIPTION	Y	X
BM 906	379+90.35	23.11 RT	780.80	ALUM DISK IN SE WINGWALL	368035.69	868098.18

B-61-101
NET EXCEPTION TO CL LENGTH
STA 379+93 - STA 380+50

REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 381+00.0, 0.0,

AGG PE
STA 384+73

PI: 385+62.93

STA 385+56.3
30" RCCP
TO REMAIN

STA 391+01.4
24" CPRC
TO REMAIN

MATCH LINE STA 378+50

PT: 379+48.28

STA 382+23.1
20.2' LT

STA 382+49.2
17.0' LT

379 380 381 382 383 384 385 386 387 388 389 390 391 392 393

USH 53
N19°27'13"E

USH 53

USH 53
N35°07'26"E

BM 906

PC: 381+80.01

STA 382+33.3
20.2' RT

ASPH PE
STA 382+60

STA 384+60.8
20.3' RT

ASPH PE
STA 384+84

STA 385+09
22.0' RT

STA 385+88.1
17.0' RT

PI STA = 385+62.93
Y = 368583.280
X = 868267.080
DELTA = 15°40'14" RT
D = 2°03'32"
T = 382.92'
L = 761.07'
R = 2782.69'
PC STA = 381+80.01
Y = 368222.216
X = 868139.550
PT STA = 389+41.08
Y = 368896.477
X = 868487.395
DB = N19°27'13"E
DA = N35°07'26"E

12' LANES
5' PAVED SHLD
3' AGG SHLD

PT: 389+41.08

REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 379+42.8, 0.5, LT

BR. N. FORK BEAVER CREEK

SILT FENCE

AGG FE
STA 392+05

STA 392+24.7
17.0' RT

STA 392+74.8
22.0' RT

STA 392+75 - STA 393+28 RT
REMOVING GUARDRAIL

SLOPE INTERCEPT

WETLAND BOUNDARY

STA 392+74.73 RT MGS EAT POST 1
STA 392+99.73 RT MGS EAT POST 5
STA 393+24.73 RT MGS EAT POST 9

MATCH LINE STA 393+50

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	PLAN SHEETS	SHEET 42	E

MATCH LINESTA 393+50

REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 398+40.8, 32.9, LT

BIRCH ST

STA 397+50.1
17.0' LT

STA 398+68.4
22.9' LT

STA 399+22
17.0' LT

394 395 396 397 398 399 400 401 402 403 404 405 406 407 408

USH 53
N35°07'26"E

40'

STA 396+60
22.0' RT

STA 397+07
17.0' RT

SLOPE INTERCEPT

SILT FENCE

STA 393+28 - STA 396+07 RT
ADJUST STEEL PLATE BEAM GUARD

STA 395+77.7
30" CPRC
TO REMAIN

STA 396+07 - STA 396+60 RT
REMOVING GUARDRAIL

STA 396+09.94 RT MGS EAT POST 9
STA 396+34.94 RT MGS EAT POST 5
STA 396+59.94 RT MGS EAT POST 1

STA 401+86.4
36" CPRC
TO REMAIN

12' LANES
5' PAVED SHLD
3' AGG SHLD

ASPH PE
STA 407+94

MATCH LINESTA 408+50

5

MATCH LINESTA 408+50

AGG PE
STA 410+49

STA 411+42.9
48" CONCRETE
BOX CULVERT
TO REMAIN

STA 414+54.1
42" X 60"
CONCRETE BOX
CULVERT
TO REMAIN

AGG FE
STA 414+69

AGG FE
STA 416+82

STA 421+38
24" CPRC
TO REMAIN

409 410 411 412 413 414 415 416 417 418 419 420 421 422 423

USH 53
N35°07'26"E

40'

AGG PE
STA 416+75

ASPH PE
STA 417+13

12' LANES
5' PAVED SHLD
3' AGG SHLD

MATCH LINESTA 423+50

5

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	PLAN SHEETS	SHEET 43	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\050101-PN.DWG
LAYOUT NAME - 07

PLOT DATE : 7/2/2026 12:46 PM PLOT BY : NICHOLAS WATHKE, PE PLOT NAME : PLOT SCALE : 1 IN:100 FT

BENCHMARK & CONTROL POINT TABLE						
POINT	STATION	OFFSET	ELEV	DESCRIPTION	Y	X
CP 907	433+03.77	76.32 LT	788.22	NO. 6 REBAR W/ CAP	372508.68	870935.04

MATCH LINESTA 423+50

AGG FE
STA 426+38

ASPH PE
STA 433+47

CP 907

STA 432+20.8
17.0' LT

STA 432+66.6
22.0' LT

STA 434+28
22.0' LT

STA 434+92.3
17.0' LT

424 425 426 427 428 429 430 USH 53 431 432 433 434 435 436 437 438

N35°07'26"E

40'

AGG FE
STA 426+90

12' LANES
5' PAVED SHLD
3' AGG SHLD

AGG FE
STA 436+91

STA 426+27.6
CONCRETE BOX
CULVERT
TO REMAIN

STA 436+47.8
96" CPRC
TO REMAIN

MATCH LINESTA 438+50

5

5

MATCH LINESTA 438+50

MITCHELL RD

REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 449+46.8, 34.4, LT

STA 448+84.5
18.1' LT

STA 449+24.7
24.4' LT

STA 449+80.4
24.6' LT

STA 450+24.7
17.0' LT

AGG FE
STA 445+30

439 440 441 USH 53 442 443 444 USH 53 445 446 447 448 449 450 451 452 453

N35°07'26"E N35°07'26"E

40'

AGG FE
STA 445+35

STA 443+34.7
24" CPRC
TO REMAIN

12' LANES
5' PAVED SHLD
3' AGG SHLD

STA 449+50.9
24" CPRC
TO REMAIN

AGG FE
STA 449+98

STA 450+35.1
24" CPRC
TO REMAIN

MATCH LINESTA 453+50

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	PLAN SHEETS	SHEET 44	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\050101-PN.DWG
LAYOUT NAME - 08
PLOT DATE : 7/2/2026 12:47 PM
PLOT BY : NICHOLAS WATHKE, PE
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

MATCH LINESTA 453+50

N

B-61-751
NET EXCEPTION TO CL LENGTH
STA 464+45 - STA 465+80

REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 466+27.7, 0.0,

AGG FE
STA 467+57

STA 462+25.8
17.0' LT

STA 462+28.6
20.5' LT

STA 463+19.2
20.8' LT

STA 467+72.4
20.3' LT

STA 467+79.1
17.0' LT

454 455 456 457 458 USH 53 459 460 461 462 463 464 465 466 467 468

N35°07'26"E

40'

12' LANES
5' PAVED SHLD
3' AGG SHLD

STA 461+21.7
17.0' RT

STA 461+30
18.5' RT

STA 462+10.3
19.8' RT

STA 463+65.9
17.6' RT

BM 908

REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 463+95.0, 0.0,

NORTH FORK BEAVER CREEK

STA 467+77.1
19.4' RT

STA 467+89.3
17.0' RT

MATCH LINESTA 468+50

BENCHMARK & CONTROL POINT TABLE						
POINT	STATION	OFFSET	ELEV	DESCRIPTION	Y	X
BM 908	464+34.21	18.63 RT	790.35	ALUM DISK IN SE WINGWALL	375014.46	872813.79

MATCH LINESTA 468+50

N

HAGESTAD LN

REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 481+46.7, 34.8, LT

469 470 471 472 473 USH 53 474 475 476 477 478 479 480 481 482 483

N35°07'26"E

40'

12' LANES
5' PAVED SHLD
3' AGG SHLD

REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 481+95.5, 27.0, RT

HAGESTAD LN

MATCH LINESTA 483+50

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	PLAN SHEETS	SHEET 45	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\050101-PN.DWG
LAYOUT NAME - 09
PLOT DATE : 7/2/2026 12:47 PM
PLOT BY : NICHOLAS WATHKE, PE
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

MATCH LINE STA 483+50

STA 485+87.8
17.5' LT

STA 487+68.7
23.6' LT

3 - 12' LANES
1 - 5' PAVED SHLD
2 - 3' AGG SHLD

KITTLESON RD

REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 491+74.3, 34.9, LT

STA 492+29.2
23.1' LT

STA 492+82
16.9' LT

PI: 497+86.55

484 485 486 487 488 489 490 491 492 493 494 495 496 497 498

USH 53
N35°07'26"E

40'

STA 485+82.4
30" CPRC
TO REMAIN

STA 486+46
17.0' RT

STA 487+11.5
21.7' RT

STA 488+16.7
24.0' RT

STA 489+36.6
24.0' RT

STA 489+88.4
17.0' RT

REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 488+77.9, 34.0, RT

PC: 493+16.82

12' LANES
5' PAVED SHLD
3' AGG SHLD

PI STA = 497+86.55
Y = 377767.090
X = 874727.310
DELTA = 23°12'00" RT
D = 2°30'14"
T = 469.73'
L = 926.59'
R = 2288.35'
PC STA = 493+16.82
Y = 377382.891
X = 874457.051
PT STA = 502+43.41
Y = 378013.753
X = 875127.067
DB = N35°07'26"E
DA = N58°19'27"E

CTH C/CC

MATCH LINE STA 498+50

MATCH LINE STA 498+50

AGG PE
STA 499+62

499 500 501 502 503 504 505 506 507 508 509 510 511 512 513

USH 53
N58°19'27"E

40'

PT: 502+43.41

12' LANES
5' PAVED SHLD
3' AGG SHLD

STA 508+15.6
17.1' LT

STA 508+18
19.0' LT

AGG PE
STA 508+31

STA 509+13.5
20.5' LT

REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 512+29.0, 0.0,

ASPH PE
STA 499+13

ASPH PE
STA 509+08

STA 509+23.8
21.5' RT

STA 509+38.6
22.7' RT

REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 510+03.5, 0.0,

B-61-238
NET EXCEPTION TO CL LENGTH
STA 510+53 - STA 511+79

STA 511+61 - STA 512+44 RT
ADJUST STEEL PLATE BEAM GUARD

STA 512+93.9
20.5' RT

STA 513+37.4
17.0' RT

MATCH LINE STA 513+50

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	PLAN SHEETS	SHEET 46	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\050101-PN.DWG
LAYOUT NAME - 10

PLOT DATE : 7/2/2026 12:47 PM PLOT BY : NICHOLAS WATHKE, PE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

MATCH LINESTA 513+66

STA 513+66
19.2' LT
STA 513+78.8
17.0' LT

AGG FE
STA 514+36

STA 514+83.3
17.0' LT

12' LANES
5' PAVED SHLD
3' AGG SHLD

STA 516+57.8
24.0' LT

PC: 516+66.59

AGG PE
STA 516+05

AGG PE
STA 516+94

STA 517+03.7
17.0' RT

STA 517+60.8
24.7' RT

REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 518+03.9, 33.9, RT

LUNDE COULEE LN

STA 518+51.2
24.4' RT

STA 521+33 - STA 521+82 RT
REMOVING GUARDRAIL

STA 518+18 - STA 521+33 RT
ADJUST STEEL PLATE BEAM GUARD
DESIGN NOTE - APRROX. 42 POSTS NEED >3" ADJUSTING

STA 521+33.28 RT STEEL PLATE BEAM GUARD EAT POST 9
STA 521+57.83 RT STEEL PLATE BEAM GUARD EAT POST 5
STA 521+82.16 RT STEEL PLATE BEAM GUARD EAT POST 1

STA 518+77.9
24" CPCS
TO REMAIN

PI STA = 522+96.96
Y = 379092.100
X = 876874.700
DELTA = 57°36'50" LT
D = 4°59'54"
T = 630.37'
L = 1152.67'
R = 1146.30'
PC STA = 516+66.59
Y = 378761.086
X = 876338.239
PT STA = 528+19.26
Y = 379722.418
X = 876882.512
DB = N58°19'27"E
DA = N00°42'36"E

STA 521+77.4
23.7' RT

SLOPE INTERCEPT

SILT FENCE

RIVERLAND ENERGY COOP

CTHC

CP 909

STA 522+99.7
25.6' RT

STA 523+47
17.0' RT

REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 522+45.3, 36.9, RT

STA 524+50.1
24.0' LT

STA 524+36.5
24" CPCS
TO REMAIN

STA 527+37 - 528+99 LT
REMOVING GUARDRAIL

STA 527+44.18 LT MGS EAT POST 1
STA 527+69.19 LT MGS EAT POST 5
STA 527+94.16 LT MGS EAT POST 9

STA 527+97.36 - 528+59.85 LT MGS GUARDRAIL 3
STA 528+59.85 - 528+99.19 LT MGS THRIE BEAM TRANSITION

STA 525+90.7
17.0' LT

SILT FENCE
SLOPE INTERCEPT

STA 526+72.3
17.0' LT

STA 527+44.2
24.0' LT

PT: 528+19.26

MATCH LINESTA

STA 526+61.4
17.0' RT

STA 527+32.9
24.0' RT

SLOPE INTERCEPT
SILT FENCE

STA 527+85.98 - 528+73.48 RT MGS GUARDRAIL 3
STA 528+73.48 - 529+12.88 RT MGS THRIE BEAM TRANSITION

STA 527+30 - 529+13 RT
REMOVING GUARDRAIL

STA 527+32.86 RT MGS EAT POST 1
STA 527+57.83 RT MGS EAT POST 5
STA 527+82.86 RT MGS EAT POST 9

BENCHMARK & CONTROL POINT TABLE						
POINT	STATION	OFFSET	ELEV	DESCRIPTION	Y	X
CP 909	522+77.59	38.28 RT	805.92	NO. 6 REBAR W/ CAP	379184.44	876784.31

MATCH LINESTA 528+50

STA 530+10 - 531+82 LT
REMOVING GUARDRAIL

STA 531+27.79 LT MGS EAT POST 9
STA 531+52.40 LT MGS EAT POST 5
STA 531+77.40 LT MGS EAT POST 1

STA 530+09.88 - 530+49.28 LT MGS THRIE BEAM TRANSITION
STA 530+49.28 - 531+24.28 LT MGS GUARDRAIL 3

RIVERLAND ENERGY COOP

SLOPE INTERCEPT

STRUCTURE B-61-047 (HMA OVERLAY)
STA 529+12 - STA 530+11

ASPH PE
STA 532+17

SPECTRUM

STA 532+42.9
24.0' LT

STA 532+67.9
17.0' LT

ASPH PE
STA 536+76

AGG FE
STA 538+62

WETLAND BOUNDARY

AGG FE
STA 541+20

USH 53
N0°42'36"E

AGG PE
STA 537+99

AGG PE
STA 535+31

12' LANES
5' PAVED SHLD
3' AGG SHLD

STA 540+96.4
72" CPCS
TO REMAIN

AGG PE
STA 541+25

STA 541+85
72" X 24" BOX
CPRC
TO REMAIN

TRI-COUNTY
COMMUNICATIONS
COOP

SLOPE INTERCEPT

STA 531+91.2
24.0' RT

STA 532+63.7
17.0' RT

SILT FENCE

NORTH FORK BEAVER CREEK

STA 530+23.71 - 530+63.11 RT MGS THRIE BEAM TRANSITION
STA 530+63.11 - 531+38.11 RT MGS GUARDRAIL 3

STA 531+41.24 RT MGS EAT POST 9
STA 531+66.38 RT MGS EAT POST 5
STA 531+91.01 RT MGS EAT POST 1

STA 530+24 - 531+84 RT
REMOVING GUARDRAIL

STA 540+97 RT
REMOVE CULVERT ENDWALLS
1 - AEW FOR CPCS 72-INCH REQ'D

STA 541+84
CLEANING CULVERT PIPES
DITCH CLEANING LT & RT

MATCH LINESTA 543+50

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	PLAN SHEETS	SHEET 47	E

MATCH LINESTA 543+50

N

TWINDE LN

REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 554+61.9, 27.0, LT

AGG PE
STA 548+63

AGG FE
STA 550+70

STA 552+52.3
24" X
24"CONCRETE
BOX CULVERT
TO REMAIN

544 545 546 547 548 549 550 551 USH 53 552 553 554 555 556 557 558

N0°42'36"E

40'

AGG FE
STA 548+73

12' LANES
5' PAVED SHLD
3' AGG SHLD

AGG FE
STA 555+68

STA 552+52
CLEANING CULVERT PIPES
DITCH CLEANING LT & RT

MATCH LINESTA 558+50

5

5

MATCH LINESTA 558+50

N

PI STA = 566+72.97
Y = 383575.830
X = 876930.270
DELTA = 31°38'55" LT
D = 3°59'57"
T = 406.07'
L = 791.39'
R = 1432.70'
PC STA = 562+66.90
Y = 383169.790
X = 876925.238
PT STA = 570+58.28
Y = 383924.125
X = 876721.501
DB = N00°42'36"E
DA = N30°56'19"W

AGG FE
STA 559+53

AGG FE
STA 560+14

559 560 561 562 563 564 565 566 567 568 569 570 571 572 573

PC: 562+66.90

PT: 570+58.28

STA 559+85.9
72" CPCS
TO REMAIN

40'

AGG FE
STA 562+13

12' LANES
5' PAVED SHLD
3' AGG SHLD

PI: 566+72.97

MATCH LINESTA 573+50

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	PLAN SHEETS	SHEET 48	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\050101-PN.DWG
LAYOUT NAME - 12

PLOT DATE : 7/2/2026 12:47 PM PLOT BY : NICHOLAS WATHKE, PE PLOT NAME : PLOT SCALE : 1 IN:100 FT

MATCH LINESTA 573+50

STA 578+36 LT
REPAIR EMBANKMENT

TOPSOIL = 90 SY
EMAT CLASS I TYPE B = 90 SY

STA 577+51.13 - 579+26.16 LT
MGS GUARDRAIL 3

STA 579+29.24 LT MGS EAT POST 9
STA 579+54.24 LT MGS EAT POST 5
STA 579+79.24 LT MGS EAT POST 1

STA 576+98.00 LT MGS EAT POST 1
STA 577+23.00 LT MGS EAT POST 5
STA 577+48.00 LT MGS EAT POST 9

STA 576+98 - 579+53 LT
REMOVING GUARDRAIL

RIVERLAND ENERGY COOP

SILT FENCE

SLOPE INTERCEPT

STA 576+48
17.0' LT

STA 576+98.1
22.0' LT

STA 579+79.3
22.0' LT

STA 580+21
17.8' LT

AGG FE
STA 580+38

574 575 576 577 578 579 580 581 582 583 584 585 586 587 588

40'

USH 53
N30°56'19"W

AGG FE
STA 575+91

STA 576+31.3
17.0' RT

STA 576+81.3
22.0' RT

CP 910

SPECTRUM

B-61-046
STA 578+36

BEAR CREEK

STA 579+75
22.0' RT

STA 580+25.1
17.0' RT

SILT FENCE

SLOPE INTERCEPT

12' LANES
5' PAVED SHLD
3' AGG SHLD

STA 588+21.2
72" CPCS
TO REMAIN

STA 576+81.26 RT MGS EAT POST 1
STA 577+06.26 RT MGS EAT POST 5
STA 577+31.26 RT MGS EAT POST 9

STA 579+25.00 RT MGS EAT POST 9
STA 579+50.00 RT MGS EAT POST 5
STA 579+75.00 RT MGS EAT POST 1

STA 577+20 - 579+75 RT
REMOVING GUARDRAIL

STA 577+34.39 - 579+21.88 RT
MGS GUARDRAIL 3

BENCHMARK & CONTROL POINT TABLE						
POINT	STATION	OFFSET	ELEV	DESCRIPTION	Y	X
CP 910	577+02.30	29.93 RT	815.62	NO. 6 REBAR W/ CAP	384491.90	876416.08

MATCH LINESTA 588+50

STA 601+13.13 - 602+00.62 LT
MGS GUARDRAIL 3

STA 600+60.00 LT MGS EAT POST 1
STA 600+85.00 LT MGS EAT POST 5
STA 601+10.00 LT MGS EAT POST 9

STA 600+60 - 602+40 LT
REMOVING GUARDRAIL

STA 602+03.74 LT MGS EAT POST 9
STA 602+28.74 LT MGS EAT POST 5
STA 602+53.74 LT MGS EAT POST 1

WETLAND BOUNDARY

RIVERLAND ENERGY COOP

AGG FE
STA 600+38

SLOPE INTERCEPT

SILT FENCE

AGG PE
STA 591+50

STA 600+10
17.0' LT

STA 600+60.1
22.0' LT

STA 602+53.7
20.0' LT

STA 602+83.7
17.0' LT

589 590 591 592 593 594 595 596 597 598 599 600 601 602 603

40'

USH 53
N30°56'19"W

12' LANES
5' PAVED SHLD
3' AGG SHLD

AGG FE
STA 599+33

STA 599+46
17.0' RT

STA 599+93.3
22.0' RT

SPECTRUM

STA 602+12
22.0' RT

STA 602+62.1
17.0' RT

TRI-COUNTY COMMUNICATIONS C

SLOPE INTERCEPT

WETLAND BOUNDARY

STA 601+23.5
C-61-048

STA 599+93.06 RT MGS EAT POST 1
STA 600+18.26 RT MGS EAT POST 5
STA 600+43.26 RT MGS EAT POST 9

STA 600+07 - 602+12 RT
REMOVING GUARDRAIL

STA 600+46.39 - 601+58.88 RT
MGS GUARDRAIL 3

STA 601+62.00 RT MGS EAT POST 9
STA 601+87.00 RT MGS EAT POST 5
STA 602+12.00 RT MGS EAT POST 1

MATCH LINESTA 603+50

5

5

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	PLAN SHEETS	SHEET 49	E

MATCH LINESTA 603+50

LARSON COULEE RD

REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 616+09.6, 28.6, LT

AGG FE
STA 610+45

604 605 606 607 608 609 610 611 612 USH 53 N30°56'19"W 613 614 615 616 617 618

4%

12' LANES
5' PAVED SHLD
3' AGG SHLD

STA 609+43.9
17.0' RT

STA 609+89.7
25.2' RT

BEAR CREEK RD

STA 610+64.4
25.2' RT

STA 611+06.1
17.0' RT

REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 610+21.8, 35.2, RT

STA 616+38.3
30" CPRC
TO REMAIN

PC: 617+30.91

OOP

MATCH LINESTA 618+50

5

5

N

PI: 621+31.77

BENCHMARK & CONTROL POINT TABLE						
POINT	STATION	OFFSET	ELEV	DESCRIPTION	Y	X
CP 911	630+48.83	43.62 RT	843.29	NO. 6 REBAR W/ CAP	389212.54	874162.04

STA 630+90.2
24" CPCS
TO REMAIN

AGG FE
STA 629+94

619 620 621 622 623 624 625 626 627 628 USH 53 N0°19'27"E 629 630 631 632 633

4%

12' LANES
5' PAVED SHLD
3' AGG SHLD

STA 622+31.6
24" CPRC
TO REMAIN

PI STA = 621+31.77
Y = 388275.750
X = 874113.120
DELTA = 31°15'46" RT
D = 3°59'57"
T = 400.86'
L = 781.74'
R = 1432.70'
PC STA = 617+30.91
Y = 387931.922
X = 874319.212
PT STA = 625+12.65
Y = 388676.607
X = 874115.388
DB = N30°56'19"W
DA = N00°19'27"E

PT: 625+12.65

SIGN

SIGN

CP 911

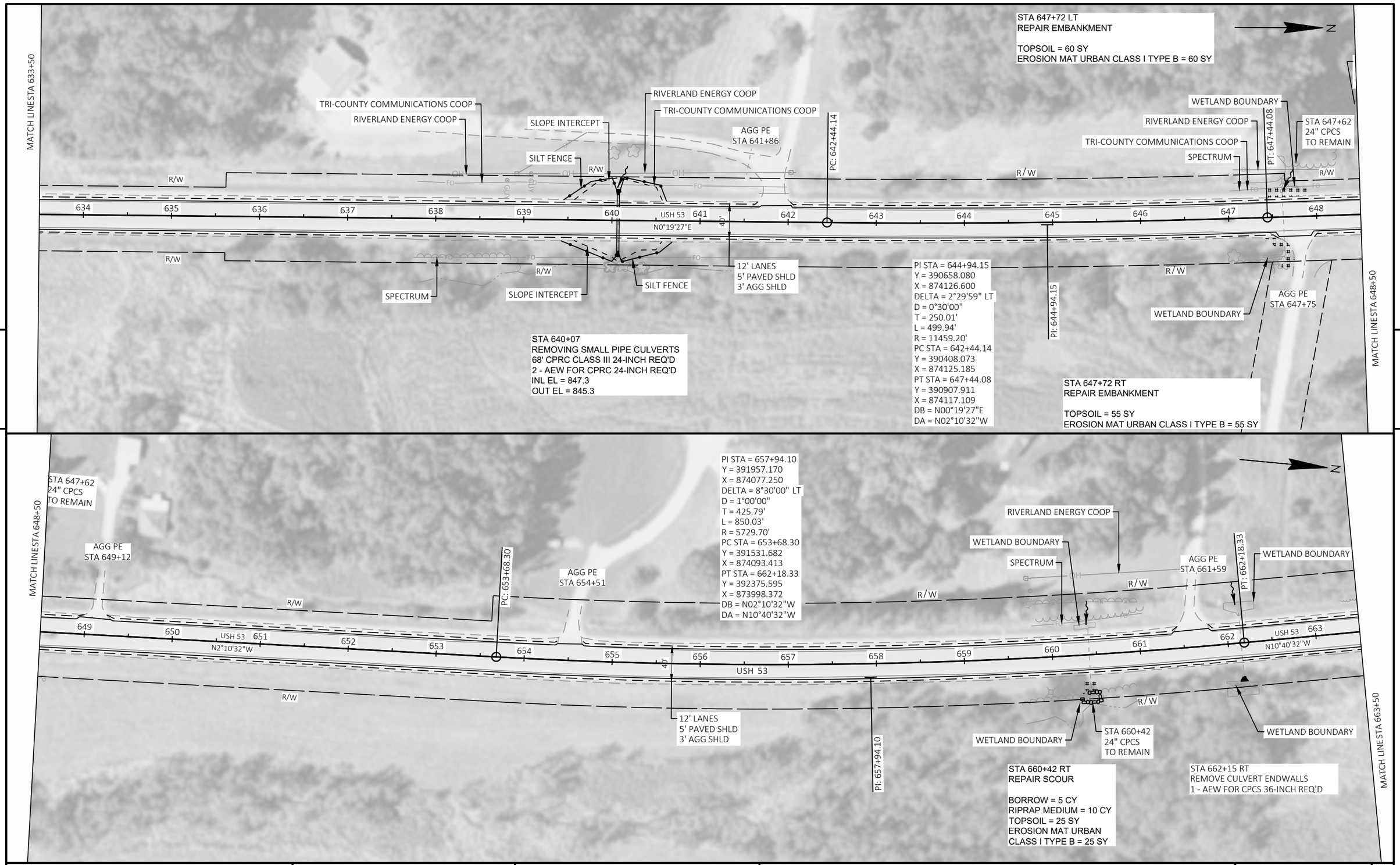
AGG FE
STA 630+29

STA 630+93
CLEANING CULVERT PIPES
DITCH CLEANING RT

MATCH LINESTA 633+50

N

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	PLAN SHEETS	SHEET 50	E



PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	PLAN SHEETS	SHEET 51	E

MATCH LINE STA 663+50

AGG FE
STA 665+30

SILT FENCE

WETLAND BOUNDARY

SLOPE INTERCEPT

RIVERLAND ENERGY COOP

SLOPE INTERCEPT

SILT FENCE

R/W

OH

664 665 666 667 668 669 670 671 672 673 674 675 676 677 678

USH 53
N10°40'32"W

CP 912

SILT FENCE

WETLAND BOUNDARY

SILT FENCE

WETLAND BOUNDARY

R/W

40'

12' LANES
5' PAVED SHLD
3' AGG SHLD

PI STA = 678+20.30
Y = 393949.840
X = 873701.610
DELTA = 23°14'03" LT
D = 2°59'59"
T = 392.68'
L = 774.57'
R = 1910.10'
PC STA = 674+27.62
Y = 393563.957
X = 873774.353
PT STA = 682+02.19
Y = 394275.732
X = 873482.540
DB = N10°40'32"W
DA = N33°54'35"W

WETLAND BOUNDARY

PC: 674+27.62

STA 675+01.7
CONCRETE BOX
CULVERT
TO REMAIN

AGG FE
STA 674+94

R/W

STA 678+50.2
24" CPRC
TO REMAIN

AGG FE
STA 675+71

WETLAND BOUNDARY

R/W

PI: 678+20.30

MATCH LINE STA 678+50

N

STA 665+42
REMOVING SMALL PIPE CULVERTS
58' CPRC CLASS III 24-INCH REQ'D
2 - AEW FOR CPRC 24-INCH REQ'D
INL EL = 876.5
OUT EL = 875.2

STA 669+33
REMOVING SMALL PIPE CULVERTS
58' CPRC CLASS III 24-INCH REQ'D
2 - AEW FOR CPRC 24-INCH REQ'D
INL EL = 883.8
OUT EL = 883.0

STA 673+74 RT
REMOVE CULVERT ENDWALLS
1 - AEW FOR CPCS 72-INCH REQ'D

5

5

STA 682+65 - STA 690+99 LT
ADJUST STEEL PLATE BEAM GUARD
DESIGN NOTE - APRROX. 56 POSTS NEED >3" ADJUSTING

STA 682+15.04 LT STEEL PLATE BEAM GUARD EAT POST 1
STA 682+39.87 LT STEEL PLATE BEAM GUARD EAT POST 5
STA 682+64.89 LT STEEL PLATE BEAM GUARD EAT POST 9

STA 682+15 - STA 682+65 LT
REMOVING GUARDRAIL

STA 688+43 LT
CPRC
REPAIR SCOUR

BORROW = 20 CY
RIPRAP MEDIUM = 10 CY
TOPSOIL = 100 SY
EROSION MAT URBAN CLASS I TYPE B = 100 SY

STA 690+98.54 LT STEEL PLATE BEAM GUARD EAT POST 9
STA 691+22.94 LT STEEL PLATE BEAM GUARD EAT POST 5
STA 691+47.28 LT STEEL PLATE BEAM GUARD EAT POST 1

STA 690+99 - STA 691+47 LT
REMOVING GUARDRAIL

MATCH LINE STA 678+50

STA 678+66.7
17.0' LT

STA 678+67.2
22.7' LT

STA 678+83.1
28.0' LT

PT: 682+02.19

STA 682+17.3
26.1' LT

STA 682+18.1
21.9' LT

R/W

STA 683+44.2
CONCRETE
BOX CULVERT
TO REMAIN

679 680 681 682 683 684 685 686 687 688 689 690 691 692 693

USH 53
N33°54'35"W

CP 913

AGG FE
STA 682+71

R/W

STA 685+74.8
27.0' RT

STA 686+10.7
31.3' RT

SILT FENCE

SLOPE INTERCEPT

PC: 687+39.54

STA 690+57.7
24.5' LT

STA 691+47.4
28.3' LT

STA 691+51.3
26.1' LT

SLOPE INTERCEPT

SILT FENCE

4 - 12' LANES
5' PAVED SHLD
1' AGG SHLD

SLOPE INTERCEPT

SILT FENCE

STA 691+25
31.2' RT

STA 691+57
27.0' RT

STA 686+61 - STA 690+73 RT
ADJUST STEEL PLATE BEAM GUARD

STA 690+73.58 RT STEEL PLATE BEAM GUARD EAT POST 9
STA 690+99.28 RT STEEL PLATE BEAM GUARD EAT POST 5
STA 691+25.01 RT STEEL PLATE BEAM GUARD EAT POST 1

STA 686+10 - STA 686+60 RT
REMOVING GUARDRAIL

STA 690+73 - STA 691+25 RT
REMOVING GUARDRAIL

STA 686+10.70 RT STEEL PLATE BEAM GUARD EAT POST 1
STA 686+35.68 RT STEEL PLATE BEAM GUARD EAT POST 5
STA 686+60.66 RT STEEL PLATE BEAM GUARD EAT POST 9

MATCH LINE STA 693+50

N

BENCHMARK & CONTROL POINT TABLE

POINT	STATION	OFFSET	ELEV	DESCRIPTION	Y	X
CP 912	667+17.67	26.30 RT	882.54	NO. 6 REBAR W/ CAP	392871.17	873931.71
CP 913	680+01.50	29.14 RT	928.02	NO. 6 REBAR W/ CAP	394117.24	873611.30

SKORSTAD RD

STA 701+58.7
27.0' LT

REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 702+43.6, 34.0, LT

STA 703+23.7
27.0' LT

694 695 696 697 698 699 700 701 702 703 704 705 706 707 708

32'

4 - 12' LANES
5' PAVED SHLD
1' AGG SHLD

AGG FE
STA 702+30

PT: 702+96.44

PI STA = 696+64.80
Y = 395489.580
X = 872666.570
DELTA = 77°49'09" RT
D = 4°59'54"
T = 925.27'
L = 1556.91'
R = 1146.30'
PC STA = 687+39.54
Y = 394721.686
X = 873182.762
PT STA = 702+96.44
Y = 396156.174
X = 873308.262
DB = N33°54'35"W
DA = N43°54'34"E

MATCH LINE STA 693+50

SLOPE INTERCEPT
SILT FENCE

STA 708+12 - STA 708+62 RT
REMOVING GUARDRAIL

STA 708+12.16 RT STEEL PLATE BEAM GUARD EAT POST 1
STA 708+37.35 RT STEEL PLATE BEAM GUARD EAT POST 5
STA 708+62.09 RT STEEL PLATE BEAM GUARD EAT POST 9

MATCH LINE STA 708+50

5

5

STA 710+44 - STA 717+35 LT
ADJUST STEEL PLATE BEAM GUARD

STA 709+64 - STA 710+44 LT
REMOVING GUARDRAIL

STA 709+93.63 LT STEEL PLATE BEAM GUARD EAT POST 1
STA 710+18.64 LT STEEL PLATE BEAM GUARD EAT POST 5
STA 710+43.53 LT STEEL PLATE BEAM GUARD EAT POST 9

STA 717+34.91 LT STEEL PLATE BEAM GUARD EAT POST 9
STA 717+59.93 LT STEEL PLATE BEAM GUARD EAT POST 5
STA 717+84.95 LT STEEL PLATE BEAM GUARD EAT POST 1

STA 717+35 - STA 717+85 LT
REMOVING GUARDRAIL

MATCH LINE STA 708+50

STA 709+87.7
27.0' LT

STA 709+94.1
29.5' LT

SILT FENCE
SLOPE INTERCEPT

STRUCTURE C-61-8288
STA 712+55 (SEAL JOINTS)

STA 717+84.6
28.8' LT

STA 717+86.5
26.4' LT

SILT FENCE
SLOPE INTERCEPT

PC: 719+33.99

709 710 711 712 713 714 715 716 717 718 719 720 721 722 723

USH 53
N43°54'34"E

32'

3 - 12' LANES
1 - VARIES LANE
5' PAVED SHLD
1' AGG SHLD

SILT FENCE
SLOPE INTERCEPT

STA 713+66.8
27.2' RT

STA 714+35.8
23.3' RT

AGG FE
STA 714+14

STA 720+74.3
42" CPRC
TO REMAIN

STA 721+91.2
17.3' RT

STA 722+85
21.5' RT

SLOPE INTERCEPT
SILT FENCE

MATCH LINE STA 723+50

STA 713+41 - STA 713+91 RT
REMOVING GUARDRAIL

STA 708+62 - STA 713+41 RT
ADJUST STEEL PLATE BEAM GUARD
DESIGN NOTE - APRROX. 7 POSTS NEED >3" ADJUSTING

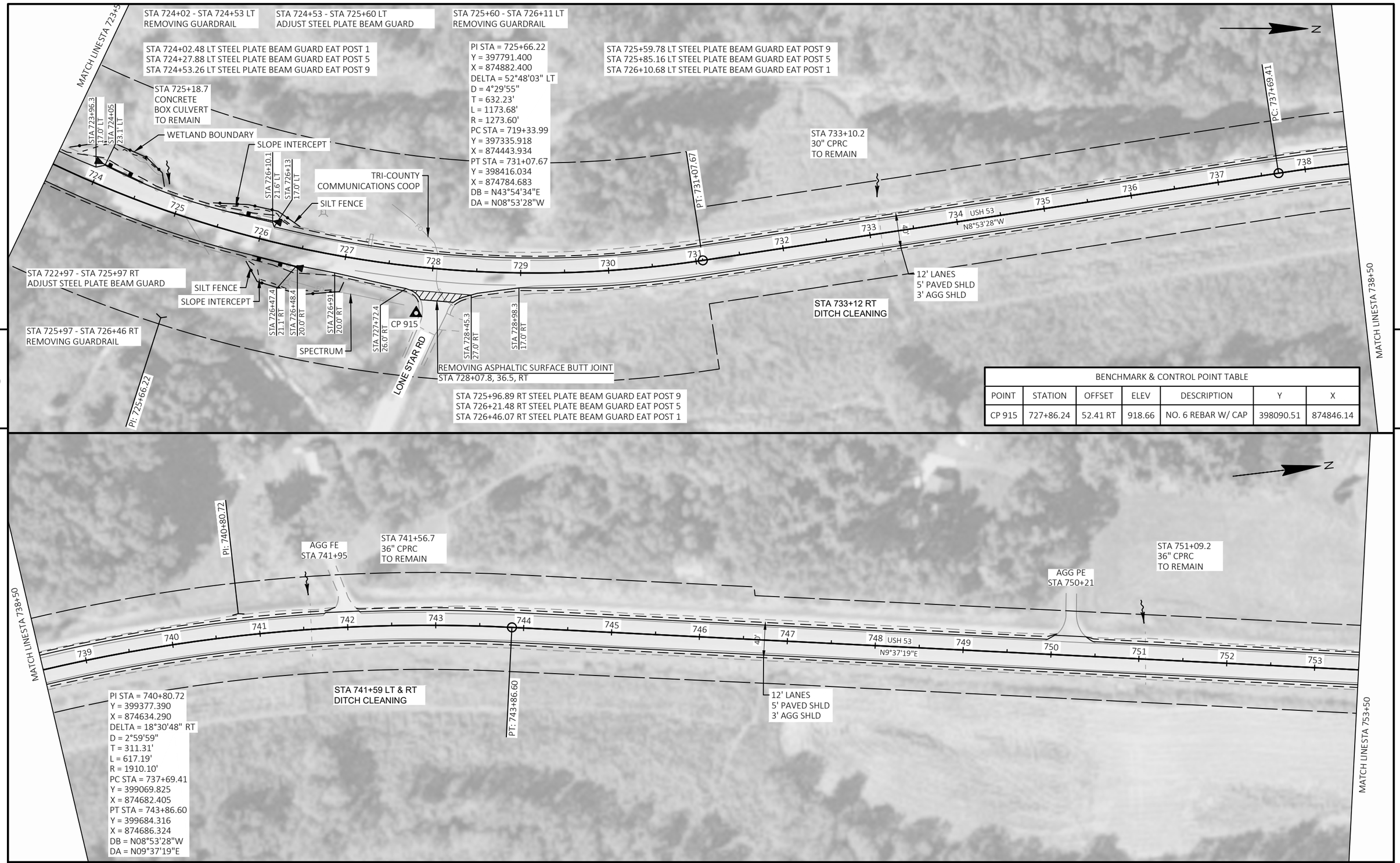
STA 713+41.27 RT STEEL PLATE BEAM GUARD EAT POST 9
STA 713+66.04 RT STEEL PLATE BEAM GUARD EAT POST 5
STA 713+91.02 RT STEEL PLATE BEAM GUARD EAT POST 1

STA 722+48.28 RT STEEL PLATE BEAM GUARD EAT POST 1
STA 722+72.79 RT STEEL PLATE BEAM GUARD EAT POST 5
STA 722+97.33 RT STEEL PLATE BEAM GUARD EAT POST 9

STA 722+48 - STA 722+97 RT
REMOVING GUARDRAIL

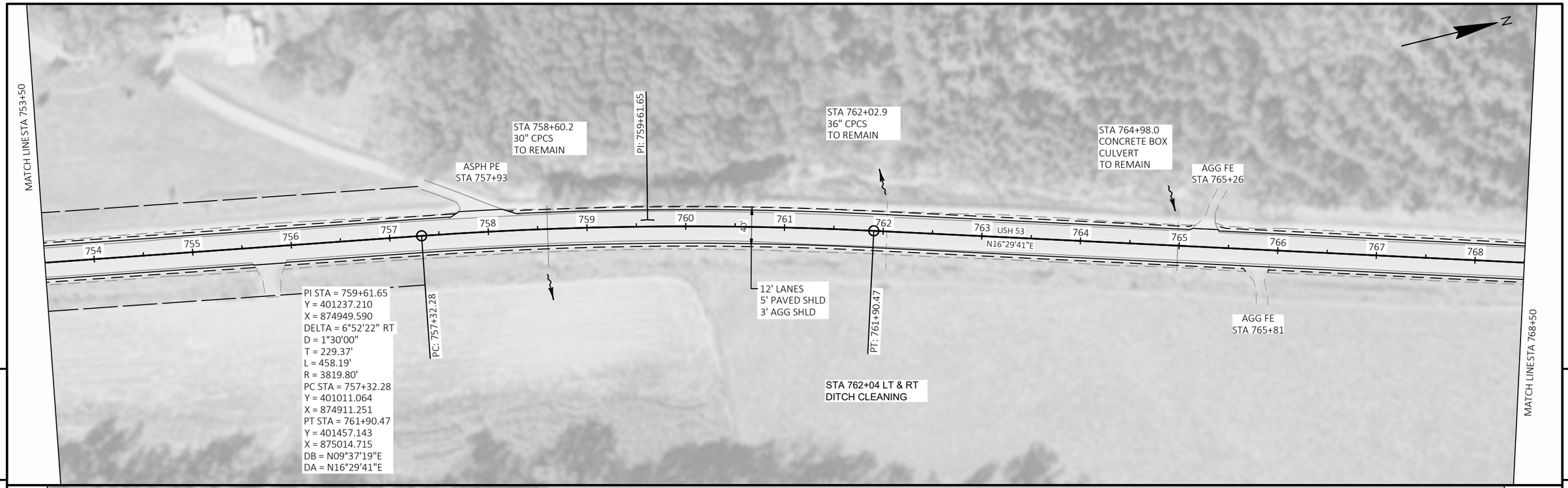
PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	PLAN SHEETS	SHEET 53	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\050101-PN.DWG
LAYOUT NAME - 17
PLOT DATE : 7/2/2026 12:48 PM
PLOT BY : NICHOLAS WATHKE, PE
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



BENCHMARK & CONTROL POINT TABLE						
POINT	STATION	OFFSET	ELEV	DESCRIPTION	Y	X
CP 915	727+86.24	52.41 RT	918.66	NO. 6 REBAR W/ CAP	398090.51	874846.14

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	PLAN SHEETS	SHEET 54	E



PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	PLAN SHEETS	SHEET 55	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\050101-PN.DWG
LAYOUT NAME - 19
PLOT DATE : 7/2/2026 12:49 PM
PLOT BY : NICHOLAS WATHKE, PE
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

MATCH LINE STA 783+50

N

784 785 786 787 788 789 790 791 792 793 794 795 796 797 798

USH 53
N2°06'52"E

PT: 789+14.81

PI: 784+37.99

CP 916

PI STA = 784+37.99
Y = 403612.170
X = 875652.850
DELTA = 14°22'49" LT
D = 1°30'00"
T = 481.88'
L = 958.70'
R = 3819.80'
PC STA = 779+56.11
Y = 403150.117
X = 875516.029
PT STA = 789+14.81
Y = 404093.727
X = 875670.630
DB = N16°29'41"E
DA = N02°06'52"E

40'

12' LANES
5' PAVED SHLD
3' AGG SHLD

AGG PE
STA 795+05

REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 796+40.8, 27.0, RT

BRADLEY RD

MATCH LINE STA 798+50

BENCHMARK & CONTROL POINT TABLE						
POINT	STATION	OFFSET	ELEV	DESCRIPTION	Y	X
CP 916	787+05.61	36.78 RT	910.23	NO. 6 REBAR W/ CAP	403881.61	875693.82

C-61-8301
STA 805+06 LT
CPRC
REPAIR SCOUR

BORROW = 5 CY
RIPRAP MEDIUM = 15 CY
TOPSOIL = 50 SY
EROSION MAT URBAN CLASS I TYPE B = 50 SY

MATCH LINE STA 798+50

N

CTH I

REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 802+66.3, 27.0, LT

RIVERLAND ELECTRIC COOP
WETLAND BOUNDARY
SPECTRUM
TRI-COUNTY COMMUNICATIONS COOP

AGG PE
STA 809+14

799 800 801 802 803 804 805 806 807 808 809 810 811 812 813

USH 53
N2°06'52"E

40'

12' LANES
5' PAVED SHLD
3' AGG SHLD

REYNOLDS COULEE CREEK

AGG FE
STA 805+21

WETLAND BOUNDARY

AGG PE
STA 809+38

AGG PE
STA 810+87

MATCH LINE STA 813+50

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	PLAN SHEETS	SHEET 56	E

C-61-8302
STA 813+75.3
TO REMAIN

MATCH LINE STA 813+50

STA 824+24 LT
REPAIR EMBANKMENT

TOPSOIL = 30 SY
EROSION MAT URBAN CLASS I TYPE B = 30 SY

RIVERLAND ENERGY COOP
TRI-COUNTY COMMUNICATIONS COOP
WETLAND BOUNDARY
SPECTRUM

CHENOWETH LN

AGG PE
STA 827+12

CP 917

PC: 823+26.23
PT: 825+25.62

814 815 816 817 818 819 820 821 822 823 824 825 826 827 828

USH 53
N2°06'52"E

40'

12' LANES
5' PAVED SHLD
3' AGG SHLD

STA 824+25.9
2-30" CPRC
TO REMAIN

PI: 824+25.95

PI STA = 824+25.95
Y = 407602.470
X = 875800.180
DELTA = 2°59'27" LT
D = 1°30'00"
T = 99.72'
L = 199.39'
R = 3819.80'
PC STA = 823+26.23
Y = 407502.820
X = 875796.501
PT STA = 825+25.62
Y = 407702.177
X = 875798.655
DB = N02°06'52"E
DA = N00°52'35"W

MATCH LINE STA 828+50

REYNOLDS COULEE CREEK

BENCHMARK & CONTROL POINT TABLE						
POINT	STATION	OFFSET	ELEV	DESCRIPTION	Y	X
CP 917	827+01.68	54.50 LT	861.08	NO. 6 REBAR W/ CAP	407877.38	875741.47

5

5

MATCH LINE STA 828+50

STA 831+19.8
30" RCCA
TO REMAIN

AGG FE
STA 834+43

ASPH PE
STA 837+99

AGG FE
STA 840+59

829 830 831 832 833 834 835 836 837 838 839 840 841 842 843

USH 53
N0°52'35"W

40'

12' LANES
5' PAVED SHLD
3' AGG SHLD

AGG FE
STA 839+92

MATCH LINE STA 843+50

REYNOLDS COULEE CREEK

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	PLAN SHEETS	SHEET 57	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\050101-PN.DWG
LAYOUT NAME - 21

PLOT DATE : 7/2/2026 12:49 PM PLOT BY : NICHOLAS WATHKE, PE PLOT NAME : PLOT SCALE : 1 IN:100 FT



BENCHMARK & CONTROL POINT TABLE						
POINT	STATION	OFFSET	ELEV	DESCRIPTION	Y	X
CP 918	868+44.84	143.40 RT	852.93	HMOD	411873.43	875120.96

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	PLAN SHEETS	SHEET 58	E



BENCHMARK & CONTROL POINT TABLE						
POINT	STATION	OFFSET	ELEV	DESCRIPTION	Y	X
CP 920	898+26.96	42.42 RT	893.08	NO. 6 REBAR W/ CAP	412533.08	872332.80

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	PLAN SHEETS	SHEET 59	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\050101-PN.DWG
LAYOUT NAME - 23
PLOT DATE : 7/6/2026 10:28 AM PLOT BY : NICHOLAS WATHKE, PE PLOT NAME : PLOT SCALE : 1 IN:100 FT

MATCH LINESTA 903+50

STRUCTURE C-61-8310
STA 909+72 (SEAL JOINTS)

AGG FE
STA 906+97

AGG FE
STA 910+97

904 905 906 907 908 909 910 911 912 913 914 915 916 917 918

USH 53
N50°58'03"W

40'

12' LANES
5' PAVED SHLD
3' AGG SHLD

STA 912+44.4
17.0' RT

STA 912+94
88.9' RT

STA 914+49.5
88.8' RT

STA 914+94.1
17.0' RT

MATCH LINESTA 918+50

5

5

MATCH LINESTA 918+50

BREKKE RIDGE RD

REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 920+91.6, 37.8, LT

CP 921

AGG FE
STA 931+57

919 920 921 922 923 924 925 926 927 928 929 930 931 932 933

40'

12' LANES
5' PAVED SHLD
3' AGG SHLD

PC: 933+41.33

MATCH LINESTA 933+50

BENCHMARK & CONTROL POINT TABLE						
POINT	STATION	OFFSET	ELEV	DESCRIPTION	Y	X
CP 921	921+15.58	50.95 LT	877.68	NO. 6 REBAR W/ CAP	413901.84	870496.22

PI STA = 937+41.97
Y = 414965.650
X = 869264.950
DELTA = 31°18'07" RT
D = 4°00'24"
T = 400.63'
L = 781.24'
R = 1430.00'
PC STA = 933+41.33
Y = 414713.346
X = 869576.158
PT STA = 941+22.57
Y = 415342.917
X = 869130.125
DB = N50°58'03"W
DA = N19°39'56"W

STA 940+42 - 941+37 LT
REMOVING GUARDRAIL

STA 940+98.77 - 941+36.89 LT MGS THRIE BEAM TRANSITION

STA 941+77.49 - 942+15.39 LT MGS THRIE BEAM TRANSITION
STA 942+15.39 - 942+27.89 LT MGS GUARDRAIL 3

STA 941+77 - 942+86 LT
REMOVING GUARDRAIL

STA 940+45.64 LT MGS EAT POST 1
STA 940+70.63 LT MGS EAT POST 5
STA 940+95.64 LT MGS EAT POST 9

PI: 937+41.97

REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 940+65.8, 0.0,

B-61-083
NET EXCEPTION TO CL LENGTH
STA 941+15 - STA 941+99

STA 942+31.02 LT MGS EAT POST 9
STA 942+56.10 LT MGS EAT POST 5
STA 942.81.17 LT MGS EAT POST 1

REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 945+73.0, 36.1, LT

STH 95

N

SPECTRUM

TRI-COUNTY COMMUNICATIONS COOP

STA 940+45.6
2.0' LT

WE ENERGIES

SLOPE INTERCEPT

AGG PE
STA 943+13

STA 939+95.6
17.0' LT

BM 922

STA 943+32.7
22.0' LT

STA 943+47.7
17.0' LT

STA 944+27.3
17.0' LT

STA 944+98.1
27.6' LT

STA 946+35.9
26.8' LT

STA 946+46.6
24.0' LT

12' LANES
5' PAVED SHLD
3' AGG SHLD

933+50

934 935 936 937 938 939 940 941 942 943 944 945 946 947

USH 53
N19°39'56"W

54'

MATCHLINE STA 974+50

STA 939+83.1
17.0' RT

STA 940+33.1
22.0' RT

PT: 941+22.57

STA 942+81
22.0' RT

STA 943+76.7
23.9' RT

STA 946+95.3
24.1' RT

AGG PE
STA 936+73

SLOPE INTERCEPT

SILT FENCE

AGG PE
STA 943+12

4 - 12' LANES
3' AGG SHLD

STA 940+86.27 - 940+98.77 RT MGS GUARDRAIL 3
STA 940+98.77 - 941+36.89 RT MGS THRIE BEAM TRANSITION

STA 941+77.49 - 942+15.39 RT MGS THRIE BEAM TRANSITION
STA 942+15.39 - 942+28.09 RT MGS GUARDRAIL 3

STA 940+40 - 941+37 RT
REMOVING GUARDRAIL

STA 940+33.44 RT MGS EAT POST 1
STA 940+58.42 RT MGS EAT POST 5
STA 940+83.14 RT MGS EAT POST 9

LAKES COULEE CREEK

STA 941+77 - 942+86 RT
REMOVING GUARDRAIL

STA 942+31.28 RT MGS EAT POST 9
STA 942+56.02 RT MGS EAT POST 5
STA 942+81.02 RT MGS EAT POST 1

REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 942+48.5, 0.0,

BENCHMARK & CONTROL POINT TABLE						
POINT	STATION	OFFSET	ELEV	DESCRIPTION	Y	X
BM 922	941+78.06	23.71 LT	844.47	ALUM DISK IN NW WINGWALL	415387.19	869089.13

N

END PROJECT
STA 949+74

MATCHLINE STA 974+50

948 949 950

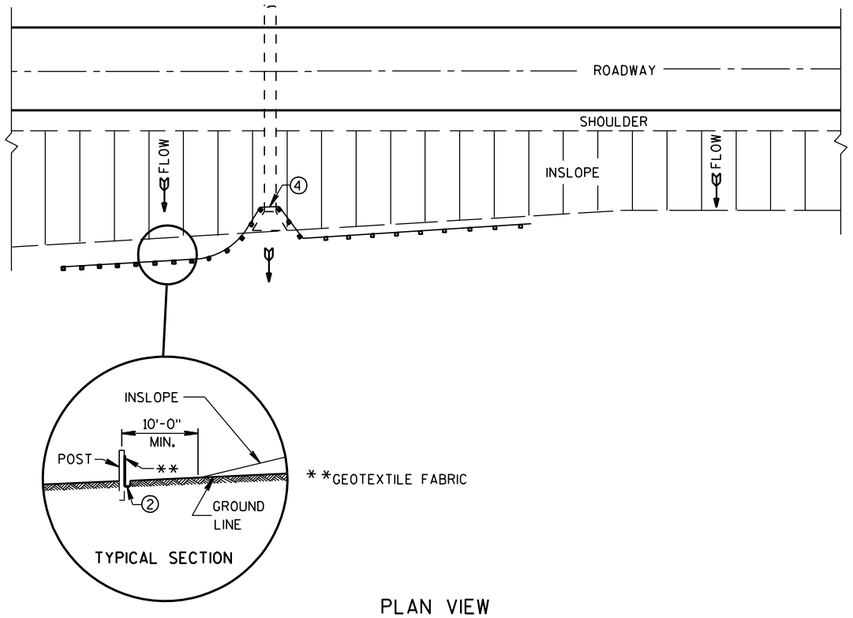
REMOVING ASPHALTIC SURFACE BUTT JOINT
STA 949+74.0, 0.0,

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	PLAN SHEETS	SHEET 61	E

Standard Detail Drawing List

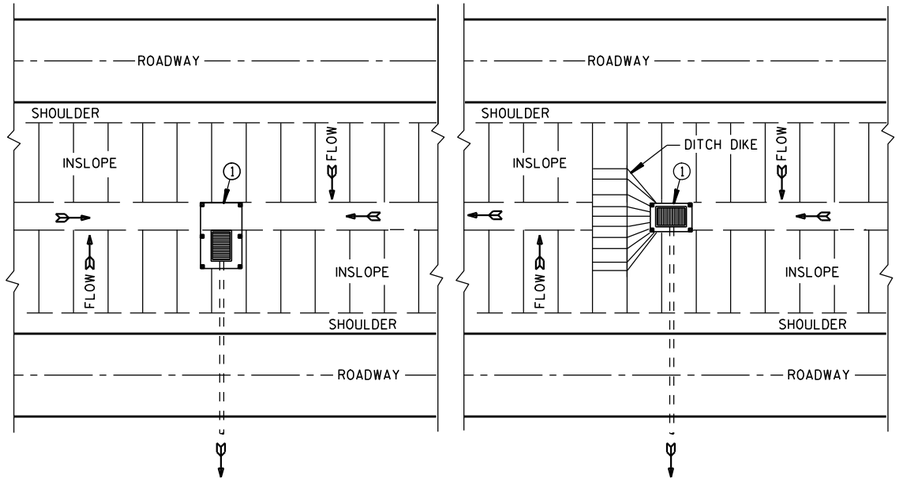
08E09-06	SILT FENCE
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09A01-14A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C", "D" AND TEE INTERSECTION BYPASS LANE
09G02-05A	BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION
09G02-05B	BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION
09G02-05C	BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION
13A10-03A	SHOULDER RUMBLE STRIPS ASPHALT
13A10-03G	SHOULDER AND EDGE LINE RUMBLE STRIPS - CROSSINGS, INTERSECTIONS, BRIDGES, DRIVEWAYS
13A10-03H	SHOULDER AND EDGE LINE RUMBLE STRIPS - RAILROAD, PASSING, CLIMBING AND BYPASS LANES
13A11-04A	CENTERLINE RUMBLE STRIPS - ASPHALT
13A11-04D	CENTERLINE RUMBLE STRIPS - INTERSECTIONS, DRIVEWAYS, BRIDGES, RAILROADS
13C19-03	HMA LONGITUDINAL JOINTS
14B15-11A	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION AND ELEMENTS
14B15-11B	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION AND ELEMENTS
14B15-11C	STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION AND ELEMENTS
14B18-06A	STEEL PLATE BEAM GUARD, CLASS "A" AT BRIDGES, OBSTACLES AND SIDEROADS/DRIVEWAYS
14B24-09A	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-09B	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-09C	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B42-07A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-05A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05D	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-10F	ADVANCED WIDTH RESTRICTION SIGNING
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
15C11-11B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C19-11A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C33-05	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-06A	PAVEMENT MARKING (INTERSECTIONS)
15D06-07	TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION
15D29-06	TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD
15D33-10A	TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS
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

6



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

GENERAL NOTES

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

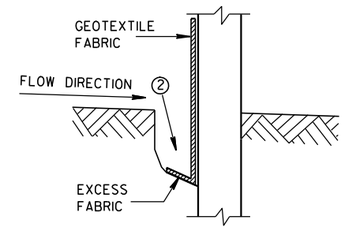
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.

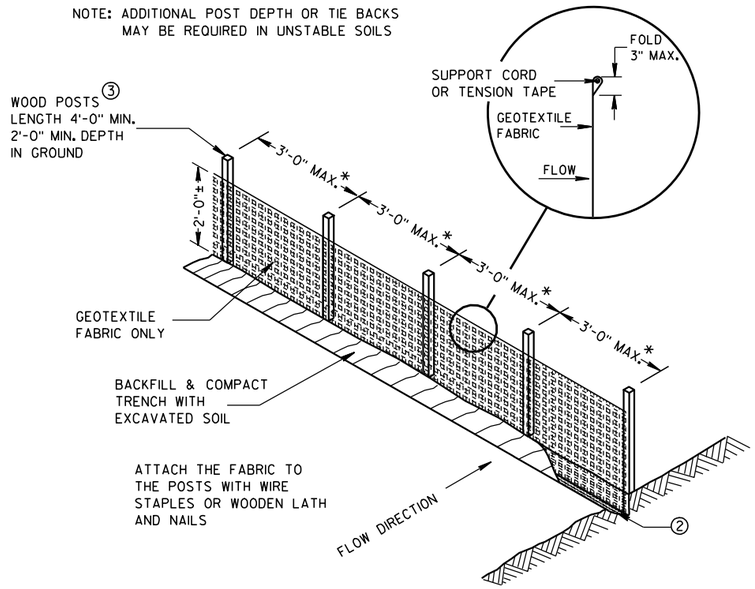
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.

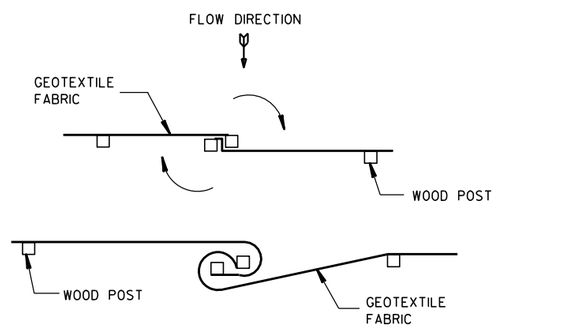


TRENCH DETAIL

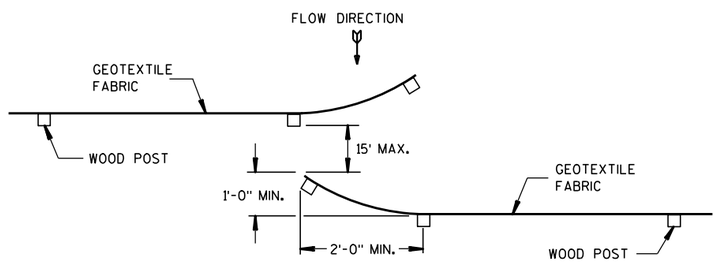


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

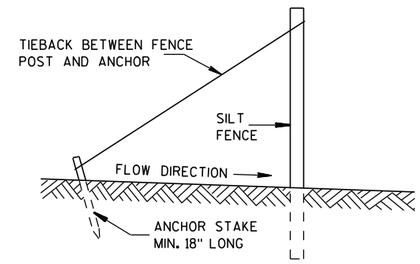


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE ⑤



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

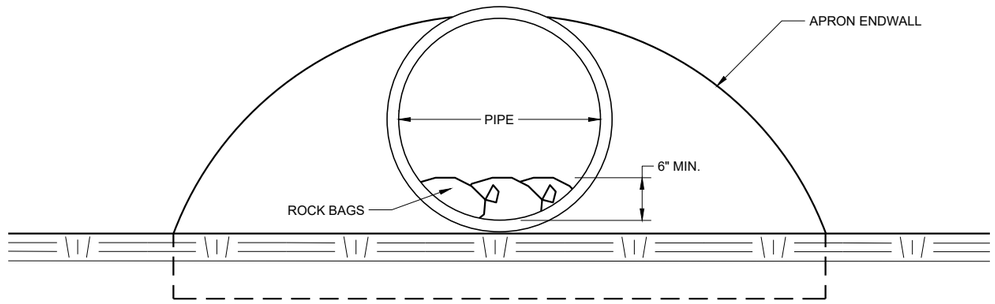
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

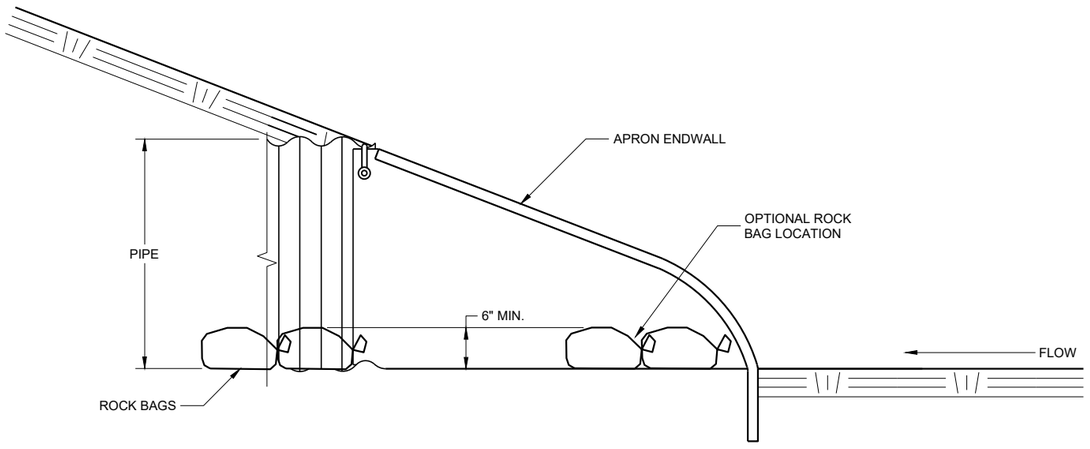
S.D.D. 8 E 9-6

6

S.D.D. 8 E 9-6



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2019 DATE	/S/ Daniel Schave EROSION CONTROL ENGI
FHWA	

6

SDD 08E15 - 01

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SDD 08E15 - 01

METAL APRON ENDWALLS

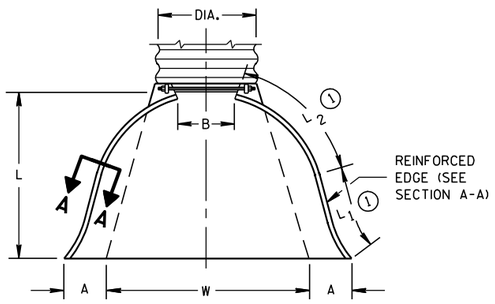
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4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

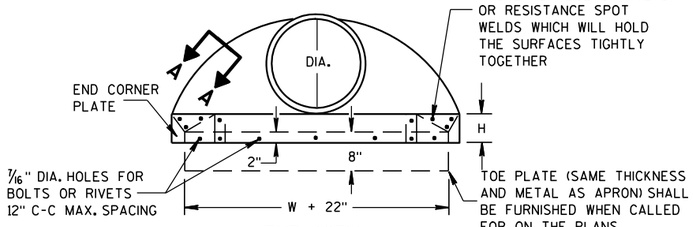
REINFORCED CONCRETE APRON ENDWALLS

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

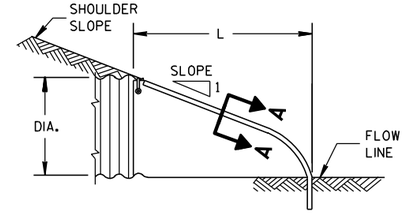
*MINIMUM
**MAXIMUM



PLAN VIEW

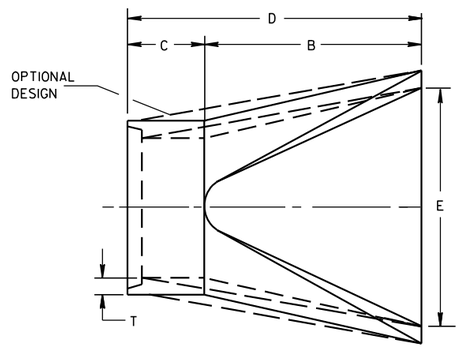


END VIEW

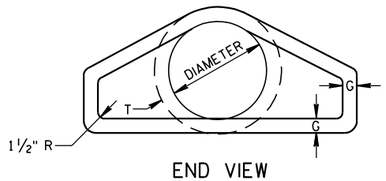


SIDE ELEVATION

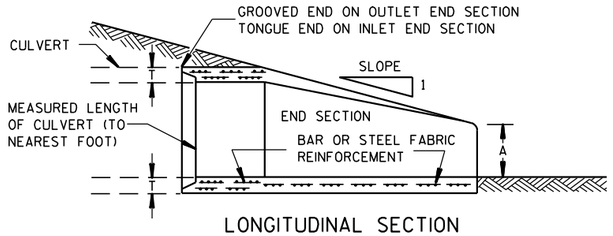
METAL ENDWALLS



PLAN

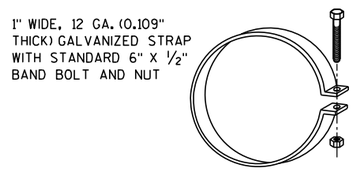


END VIEW



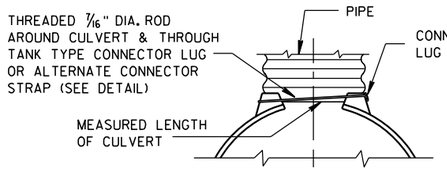
LONGITUDINAL SECTION

CONCRETE ENDWALLS

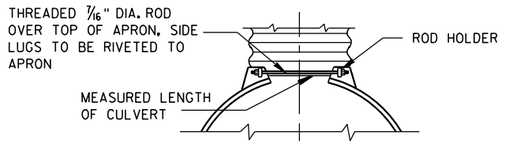


ALTERNATE FOR TYPE 1 CONNECTION

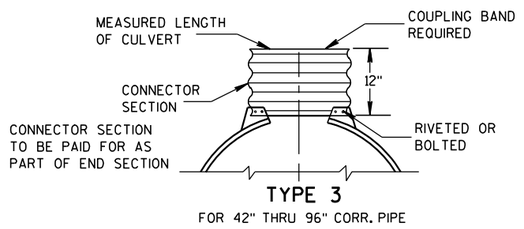
END SECTION CONNECTOR STRAP



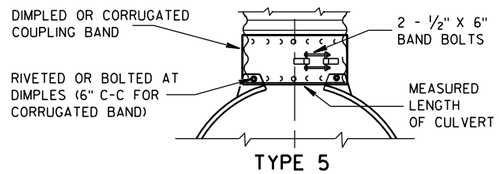
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

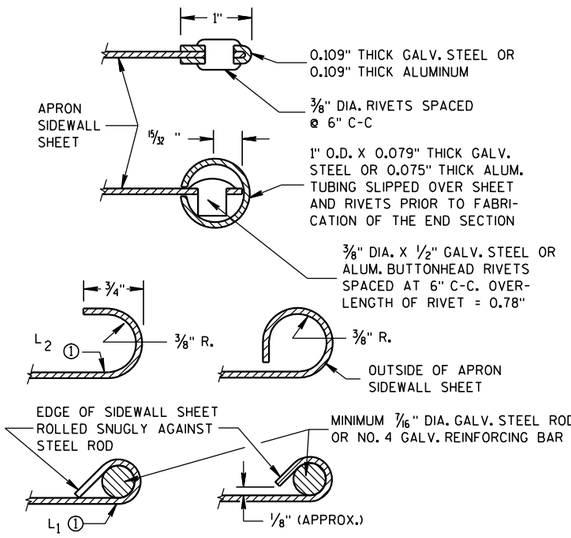
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

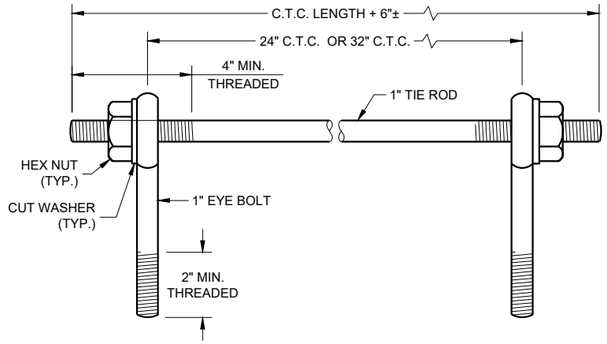
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

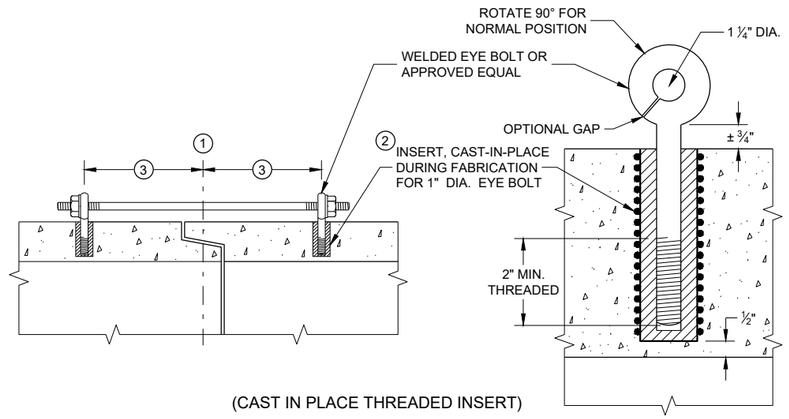
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOP 65 NEER
FHWA

6
S.D.D. 8 F 1-11



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.

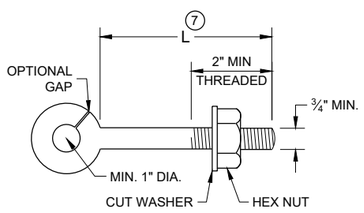
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

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

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

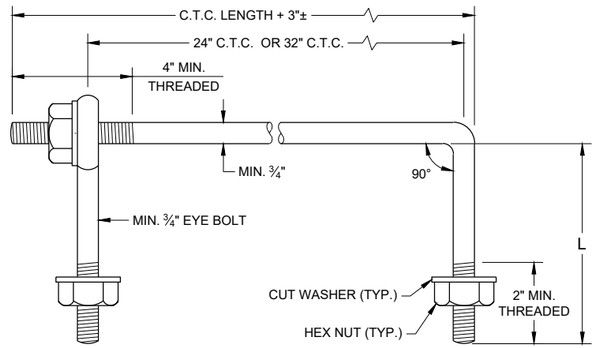
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

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

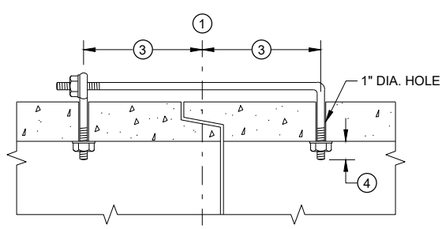


EYE BOLT (7)

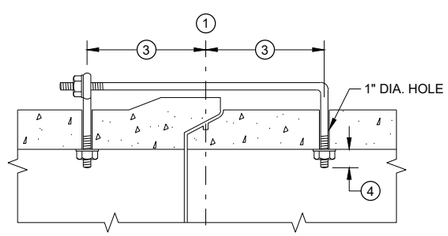
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

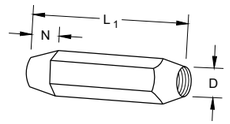
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

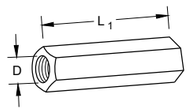
EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

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

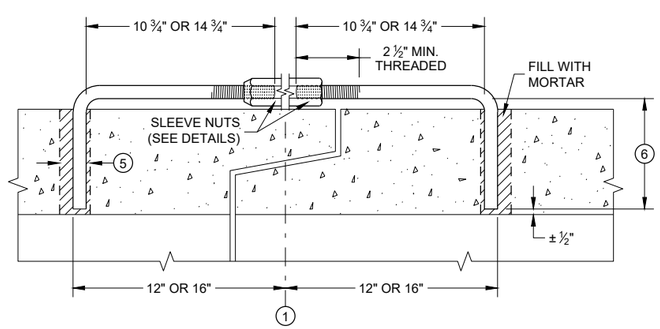
DIMENSIONS SHOWN ARE IN INCHES





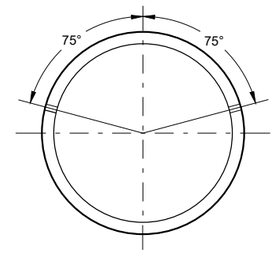
RIGHT AND LEFT THREADS

SLEEVE NUTS



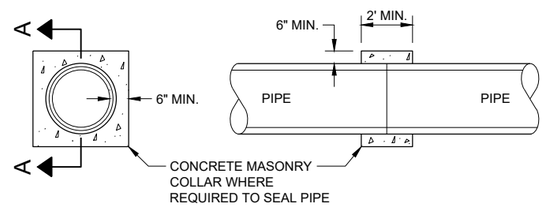
LONGITUDINAL SECTION

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



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

TRANSVERSE SECTION



SECTION A - A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

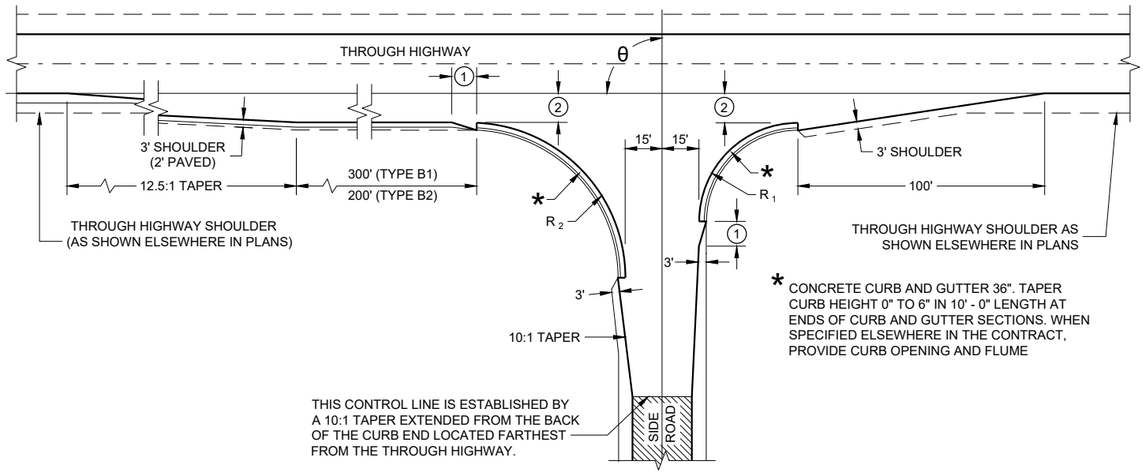
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

SDD 08F04 - 08

SDD 08F04 - 08



* CONCRETE CURB AND GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10' - 0" LENGTH AT ENDS OF CURB AND GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME

TYPE "B1" AND "B2"

RADII DIMENSIONS FOR TYPES "B1", "B2", "C" AND "D" INTERSECTIONS

θ	R_1	R_2
65 - 70	35	70
71 - 80	40	70
81 - 90	40	60
91 - 100	50	55
101 - 110	60	45

GENERAL NOTES

DESIGNS MAY BE USED INTERCHANGEABLY IN COMBINATION OR SEPARATELY FOR ANY ONE COMPLETE INTERSECTION DEPENDING UPON INTERSECTION ANGLE AND SURFACING OF EACH APPROACH ROADWAY.

SIDE ROAD SURFACING NOTE

WHEN THE SIDE ROAD IS NOT PRESENTLY PAVED, PAVEMENT SHALL BE PLACED TO THE LIMITS SHOWN UNLESS OTHERWISE PROVIDED IN THE CONTRACT. WHERE THE CONSTRUCTION LIMITS ARE BEYOND THE PAVING LIMITS, CRUSHED AGGREGATE SURFACING SHALL BE PLACED BETWEEN THE PAVING LIMITS AND CONSTRUCTION LIMITS.

WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

WHEN THE SIDE ROAD IS THE CONSTRUCTION PROJECT, THE INTERSECTION SURFACING SHALL BE THE SAME AS FOR THE PROJECT.

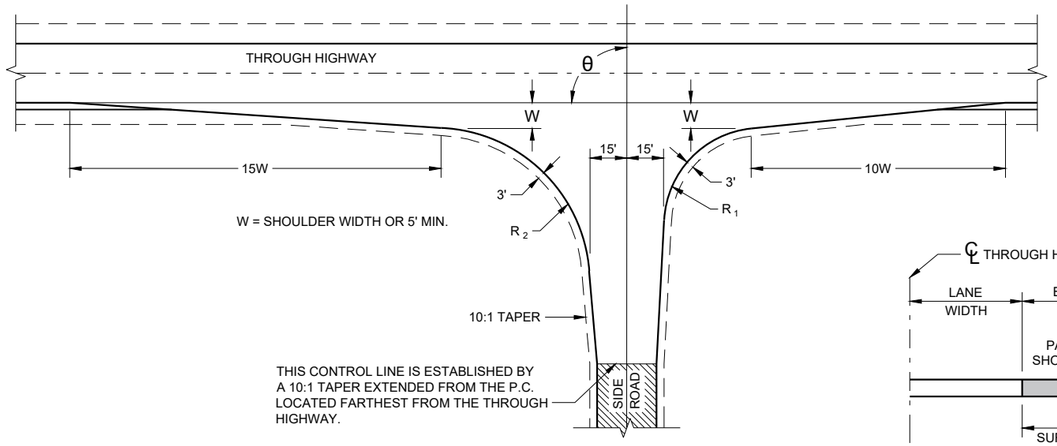
(1) 10-FT TYPICAL.

(2) 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.

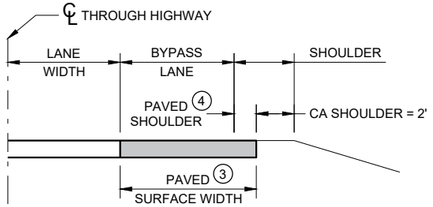
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.

(3) BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
- ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH
- PC CONCRETE = 13-FT PLUS PAVED SHOULDER WIDTH

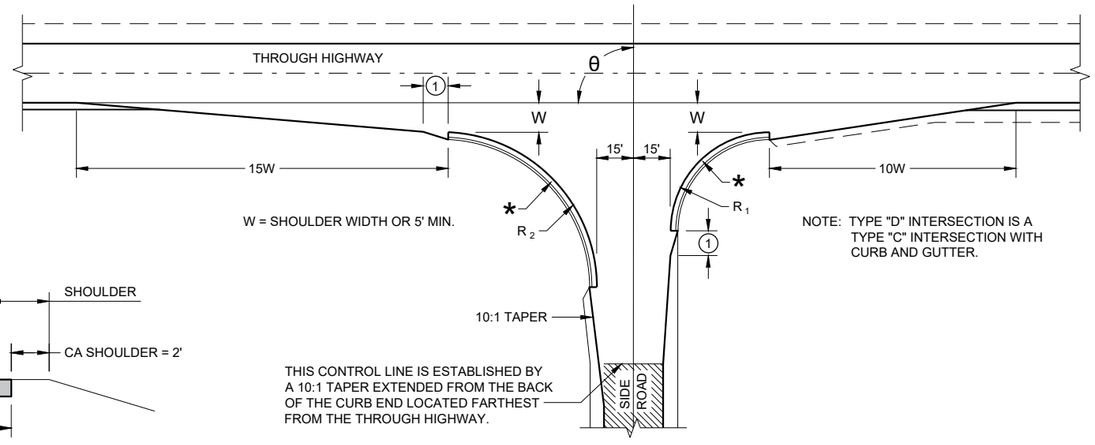
(4) BYPASS LANE PAVED SHOULDER WIDTH = THE GREATER OF 1-FT OR THE PAVED SHOULDER WIDTH OF THE THROUGH HIGHWAY.



TYPE "C"

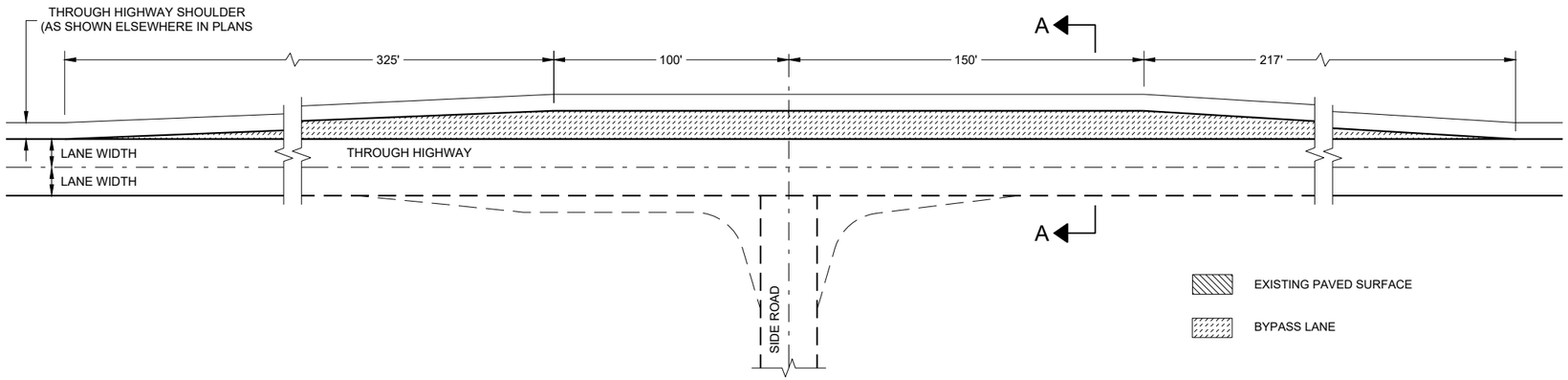


SECTION A - A
(SHOWING BYPASS LANE AND SHOULDER)



NOTE: TYPE "D" INTERSECTION IS A TYPE "C" INTERSECTION WITH CURB AND GUTTER.

TYPE "D"



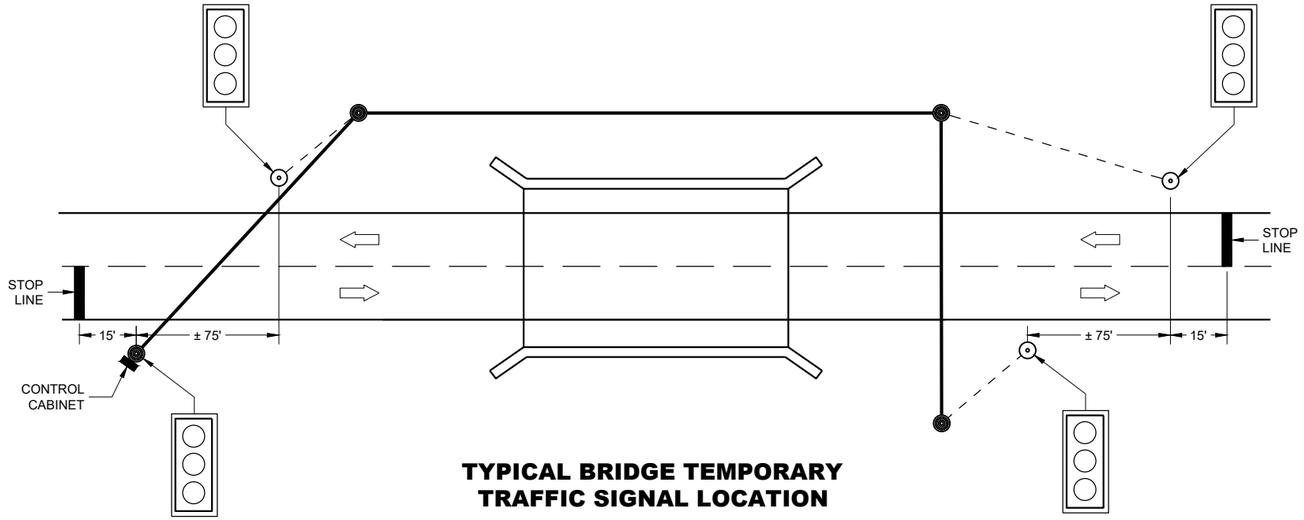
TEE INTERSECTION BYPASS LANE DETAIL

AT GRADE SIDE ROAD INTERSECTION TYPES "B1", "B2", "C", "D" AND TEE INTERSECTION BYPASS LANE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 09A01 - 14a



TYPICAL BRIDGE TEMPORARY TRAFFIC SIGNAL LOCATION

LEGEND

- WOOD POLE (NON-BREAKAWAY)
- WOOD POST (BREADAWAY)
- SIGNAL CABLE
- SIGNAL CABLE W/MESSENGER
- DIRECTION OF TRAFFIC
- LED TRAFFIC SIGNAL WITH BACKPLATE (3-12")

GENERAL NOTES

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

POLE MOUNTED TRAFFIC SIGNAL CONTROL CABINET MAY BE MOUNTED ON THE SERVICE POLE IF THE ELECTRICAL UTILITY ALLOWS THE INSTALLATION.

WHEN UTILITY POLES ARE USED TO SPAN THE TEMPORARY OVERHEAD CABLE, WRITTEN PERMISSION MUST BE OBTAINED FROM THE OWNER OF THE POLES AND GIVEN TO THE PROJECT MANAGER. ALL PERTINENT UTILITY AND CODE CLEARANCES SHALL BE MAINTAINED.

WOOD POLES (NON-BREAKAWAY) SHALL BE NO CLOSER TO EDGE OF PAVEMENT THAN OFFSET DISTANCE CHART ALLOWS OR 4 FEET BEHIND PROTECTIVE BARRIER (BEAM GUARD, ETC.).

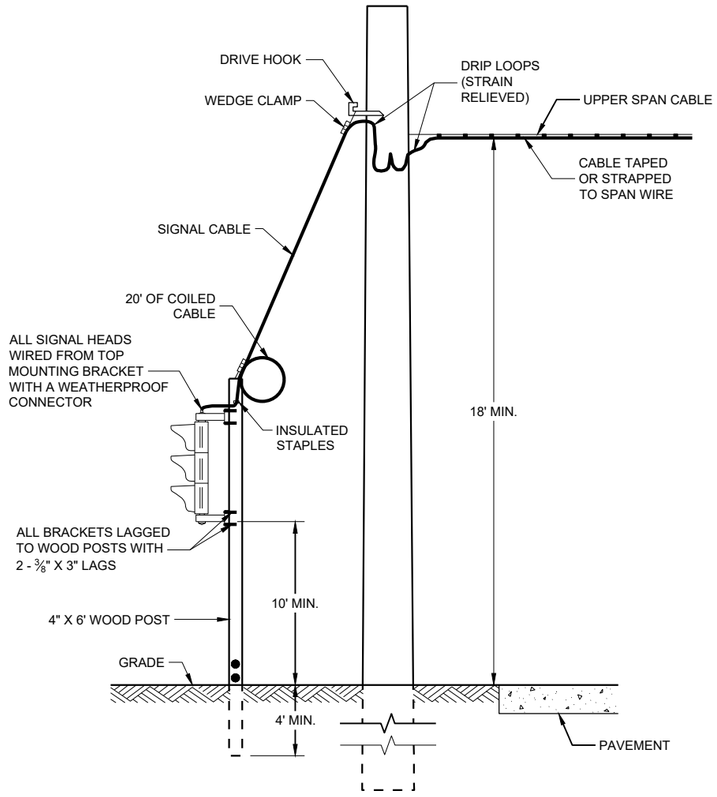
WOOD POSTS (BREAKAWAY) SHALL BE NO CLOSER THAN 2 FEET OUTSIDE OF SHOULDER.

VERTICAL CLEARANCE ETC. PER NEC.

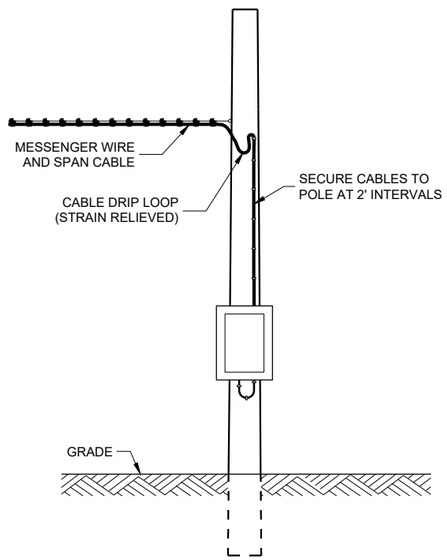
TRAFFIC SIGNAL FACES SHALL BE TYPICALLY PLACED 12 FEET FROM EDGE OF PAVEMENT.

EACH TRAFFIC SIGNAL SHALL HAVE A BACKPLATE.

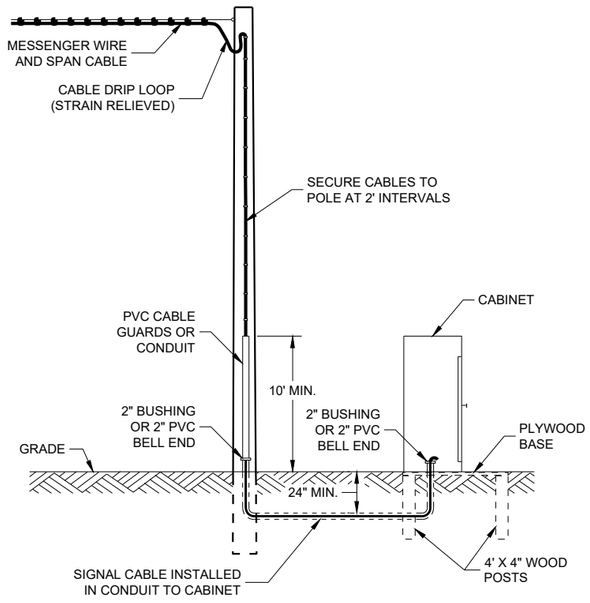
SIGNING, PAVEMENT MARKING AND LANE CONTROL REQUIREMENTS SHALL CONFORM TO STANDARD DETAIL DRAWING 15D33.



TYPICAL DROP TO TRAFFIC SIGNAL FACE



POLE MOUNT CABINET INSTALLATION



GROUND MOUNT CABINET INSTALLATION

MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

OFFSET DISTANCES FOR TEMPORARY NON-BREAKAWAY POLES	
SPEED LIMIT	OFFSET DISTANCE*
GREATER THAN 45 MPH	18 FT
45 MPH OR LESS	12 FT
45 MPH OR LESS W/CURBS	2 FT

* NOTE: OFFSET MEASURED FROM OUTER EDGE OF OUTSIDE THRU LANE.

BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Ahmet Demirbilek — ROADWAY STANDARDS DEVE ENGINEER

FHWA

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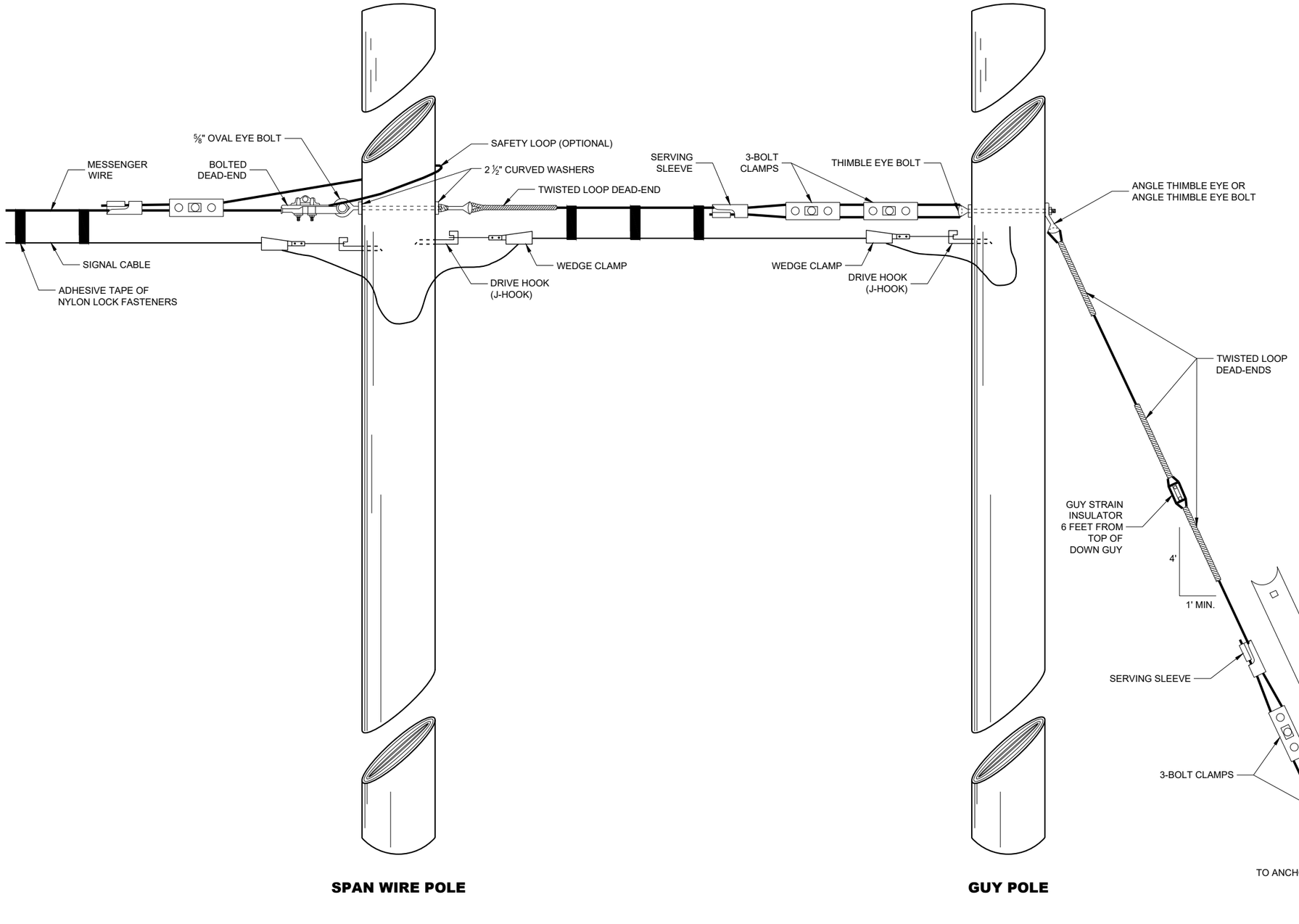
SDD09G02 - 05a

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SDD09G02 - 05a

GENERAL NOTES

USE ¾" DRILL IN WOOD POLE TO PROVIDE FOR ⅝" BOLTS.



SPAN WIRE POLE

GUY POLE

TYPICAL DEAD-ENDINGS OR GUYING

BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015 — DATE
/S/ Ahmet Demerbilek — ROADWAY STANDARDS DEVE ENGINEER

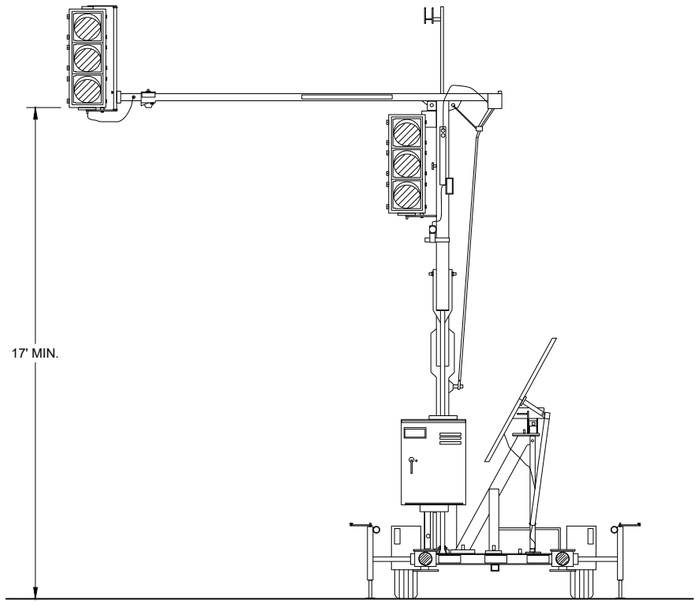
FHWA

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SDD09G02 - 05b

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SDD09G02 - 05b

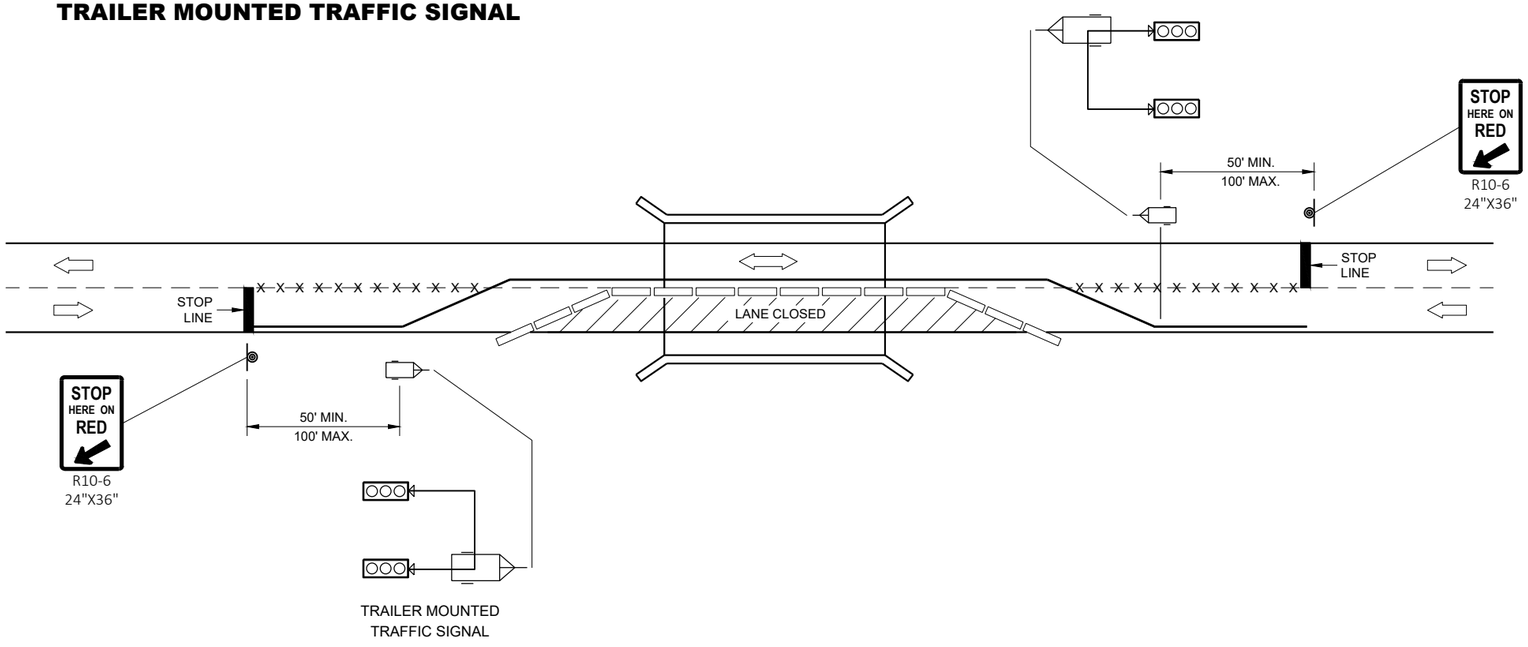


TRAILER MOUNTED TRAFFIC SIGNAL

GENERAL NOTES

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

SIGNING, PAVEMENT MARKING AND LANE CONTROL REQUIREMENTS SHALL CONFORM TO STANDARD DETAIL DRAWING 15D33.



TYPICAL TRAILER MOUNTED TRAFFIC SIGNAL LOCATION

LEGEND

- POST MOUNTED SIGN
- TEMPORARY PRECAST CONCRETE BARRIER
- TRAILER MOUNTED TRAFFIC SIGNAL
- REMOVE PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC

BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

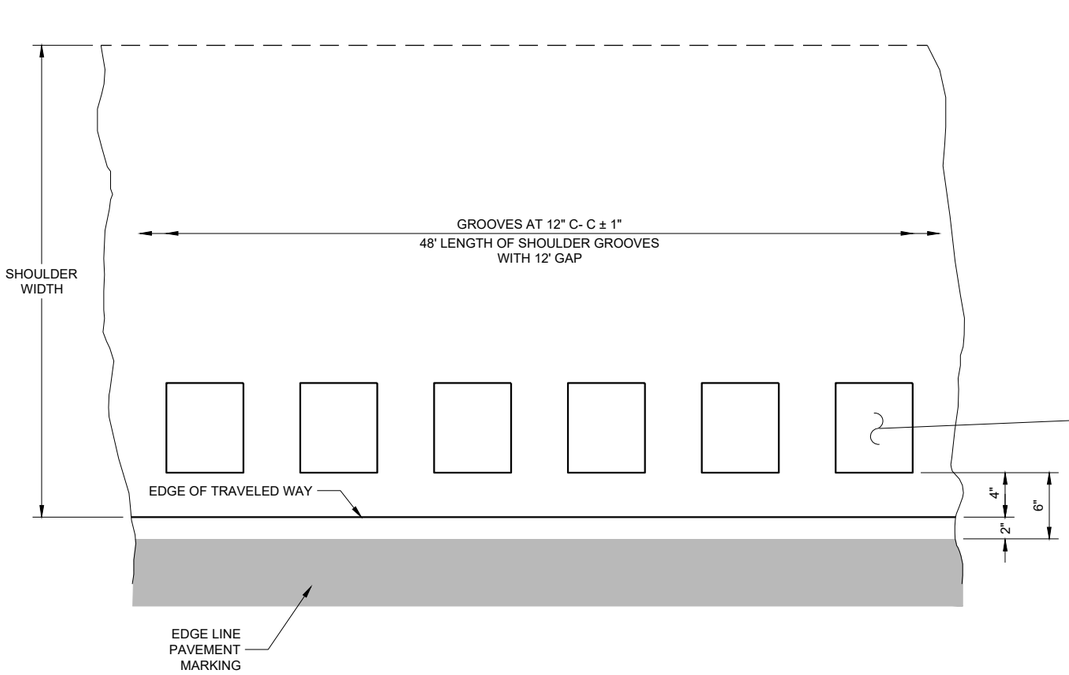
FHWA

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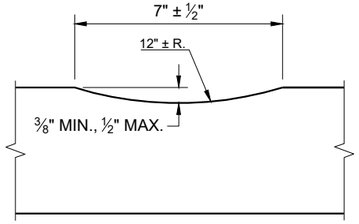
SDD09G02 - 05c

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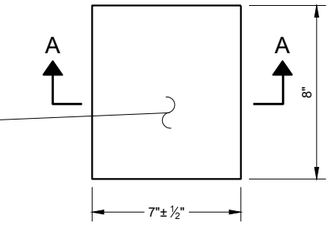
SDD09G02 - 05c



PLAN DETAIL VIEW
SHOULDER WITH GROOVES



SECTION A - A

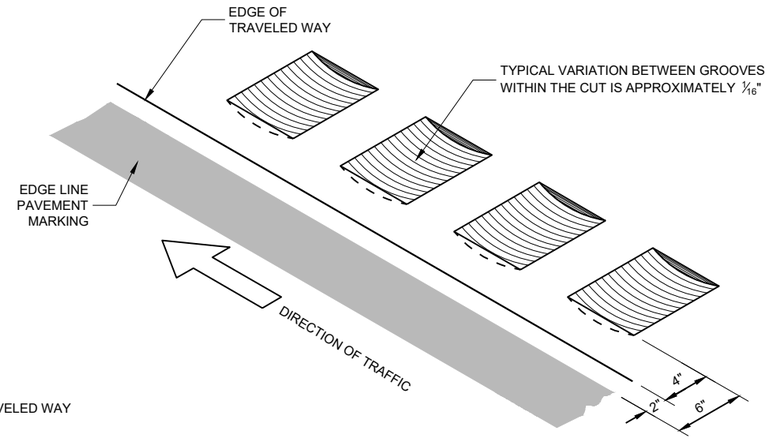


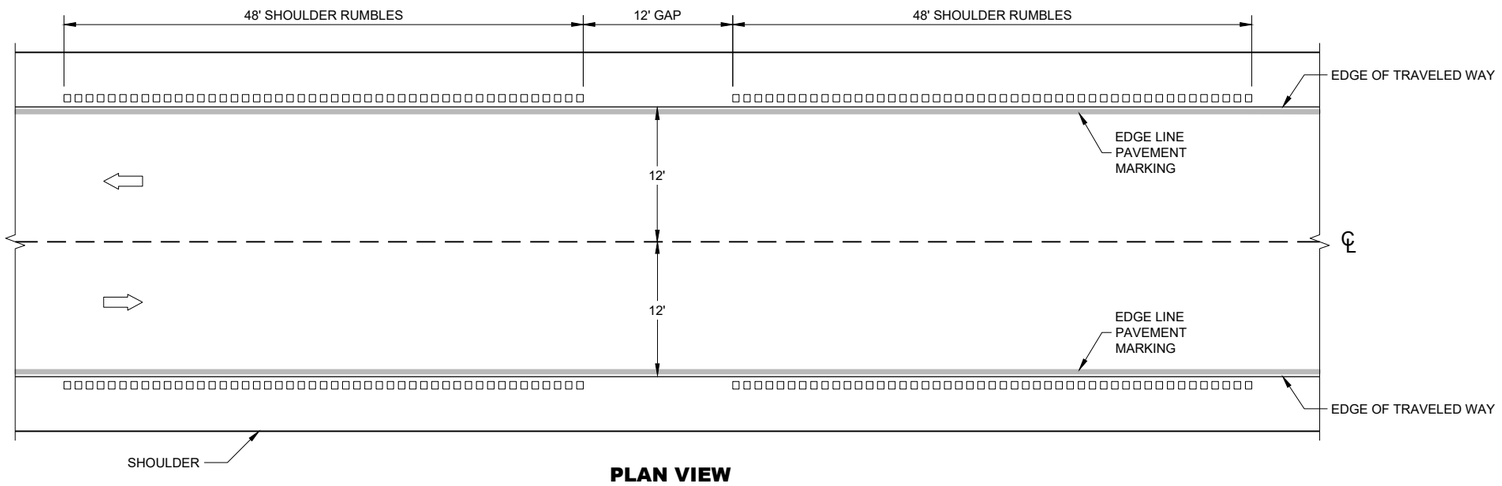
PLAN VIEW
(SINGLE GROOVE)

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

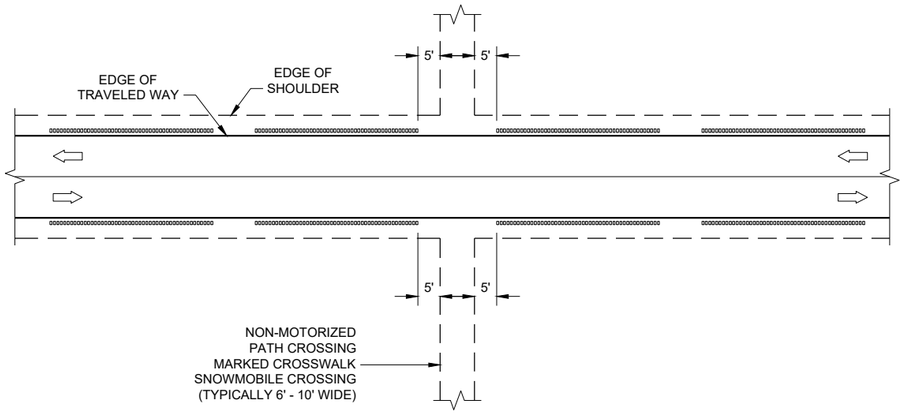
SHOULDER RUMBLE STRIPS - ASPHALT

SHOULDER RUMBLE STRIPS ASPHALT

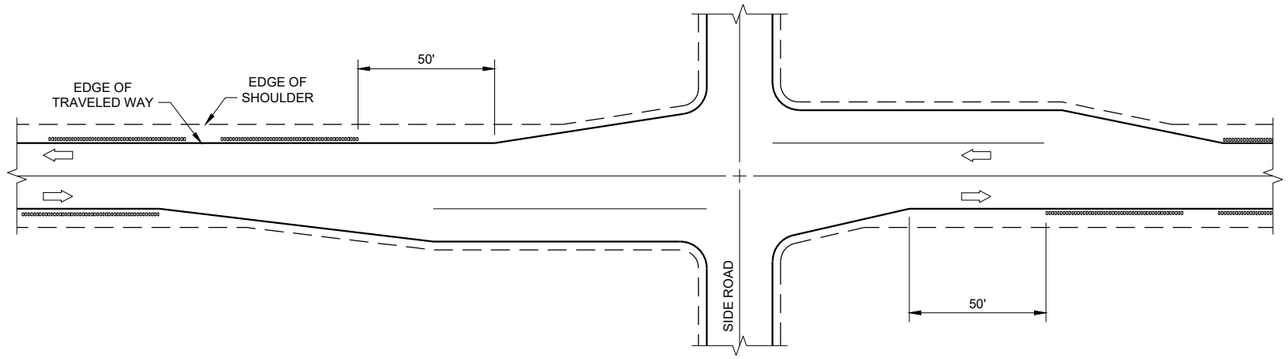
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

6

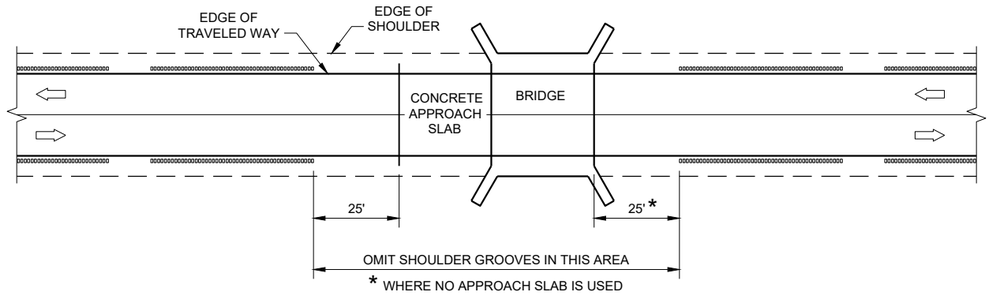
SDD 13A10 - 03a



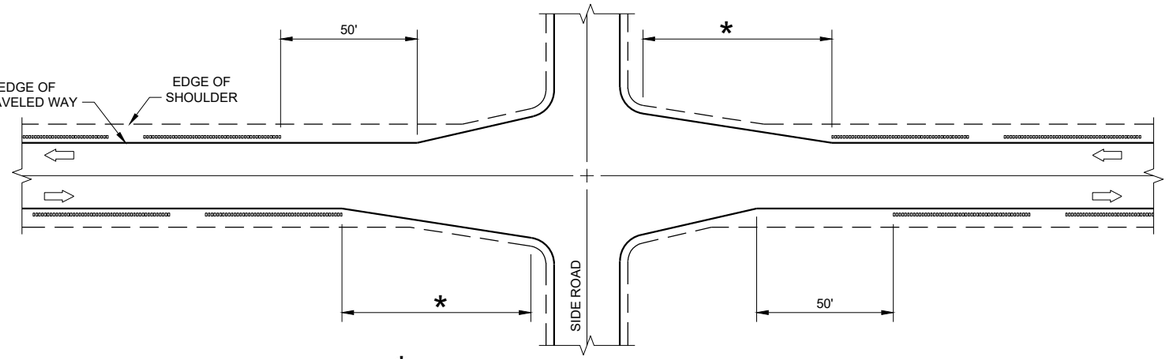
GROOVES AT MISCELLANEOUS CROSSINGS



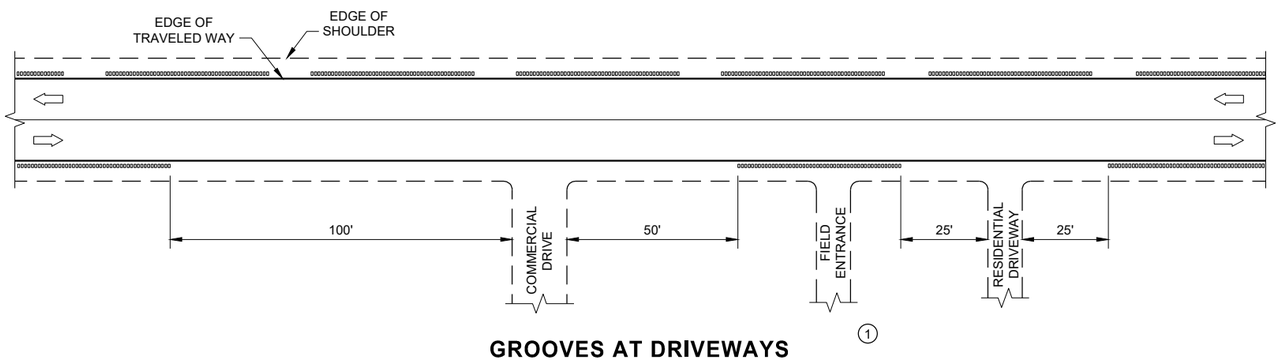
GROOVES AT RIGHT TURN LANE



GROOVES AT BRIDGES



GROOVES AT INTERSECTIONS WITH APPROACH TAPER



GROOVES AT DRIVEWAYS ①

GENERAL NOTES

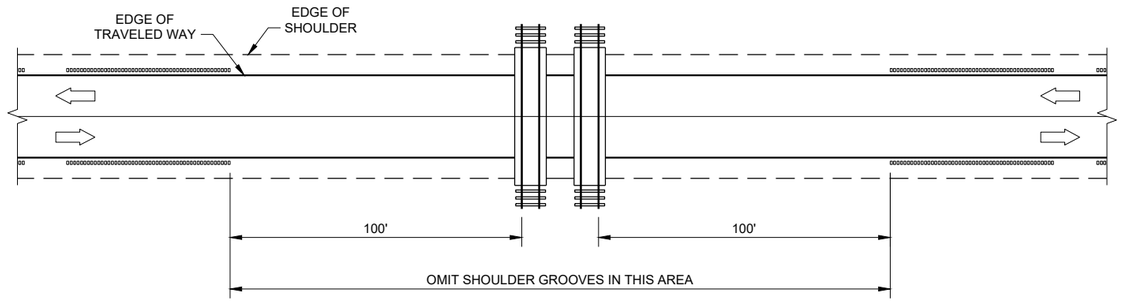
① SHOULDER GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.

SHOULDER AND EDGE LINE RUMBLE STRIPS CROSSINGS, INTERSECTIONS, BRIDGES, DRIVEWAYS

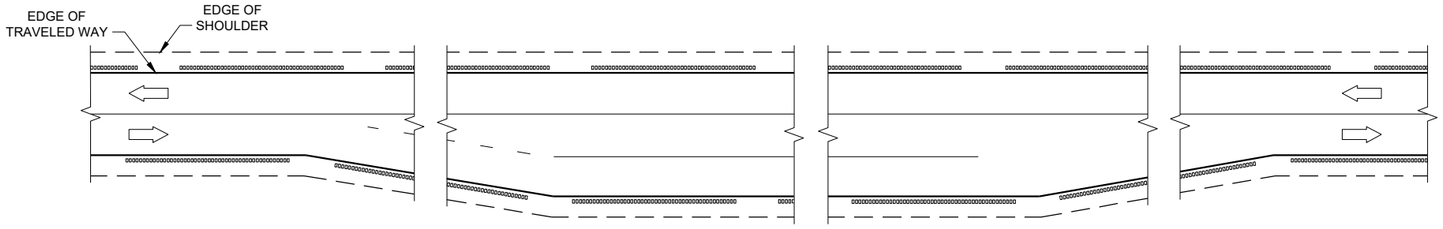
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

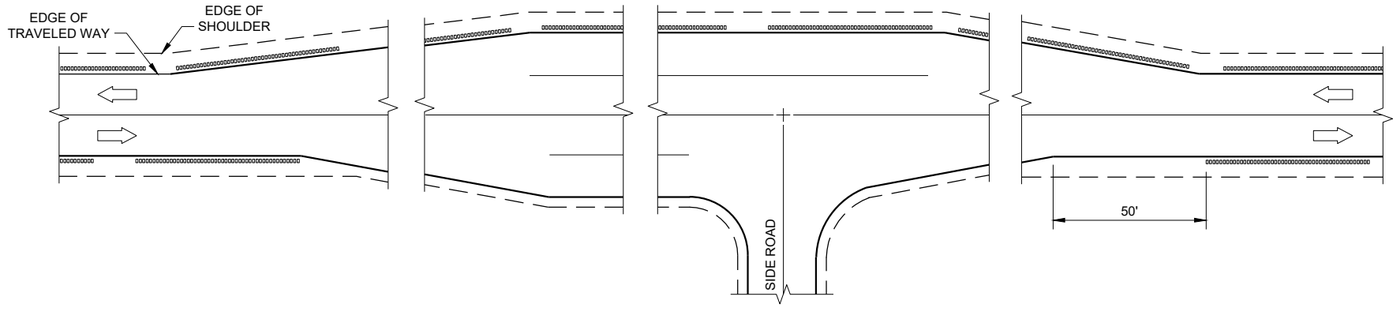
SDD 13A10 - 03g



GROOVES AT RAILROADS



GROOVES AT PASSING AND CLIMBING LANES



GROOVES AT BYPASS LANES

6

SDD 13A10 - 03h

SHOULDER AND EDGE LINE RUMBLE STRIPS - RAILROAD, PASSING, CLIMBING AND BYPASS LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2023
DATE

/S/ John Jenkins
ROADWAY STANDARDS DEVE ENGINEER

FHWA

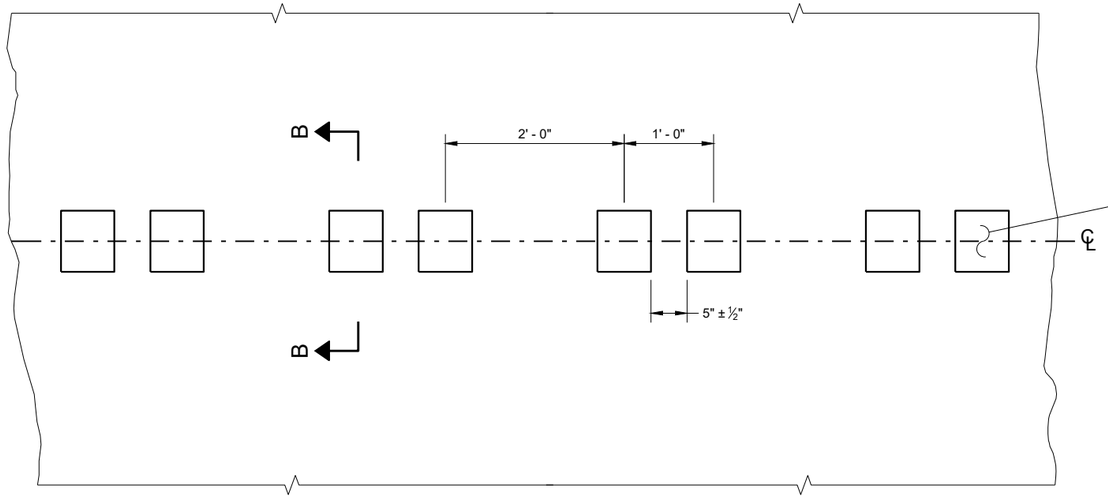
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SDD 13A10 - 03h

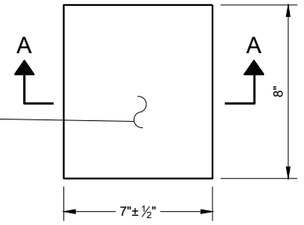
GENERAL NOTES

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

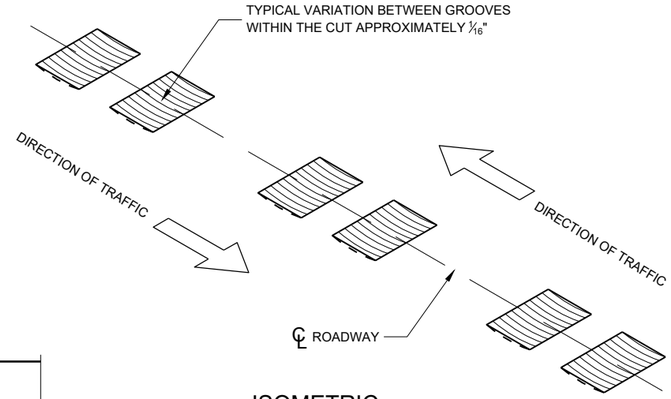
CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS WHEN DIRECTED BY THE ENGINEER.



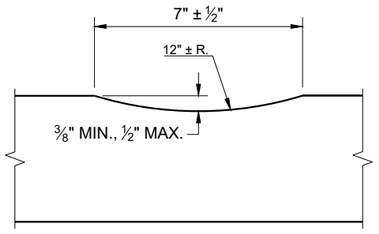
PLAN DETAIL VIEW



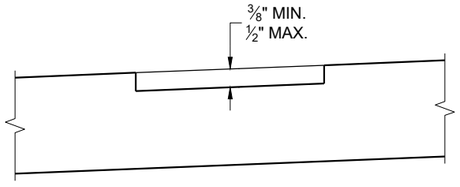
PLAN VIEW
(SINGLE GROOVE)



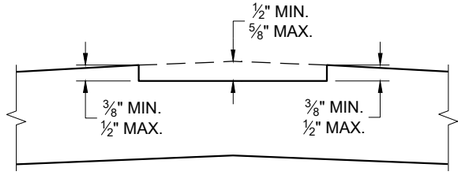
ISOMETRIC



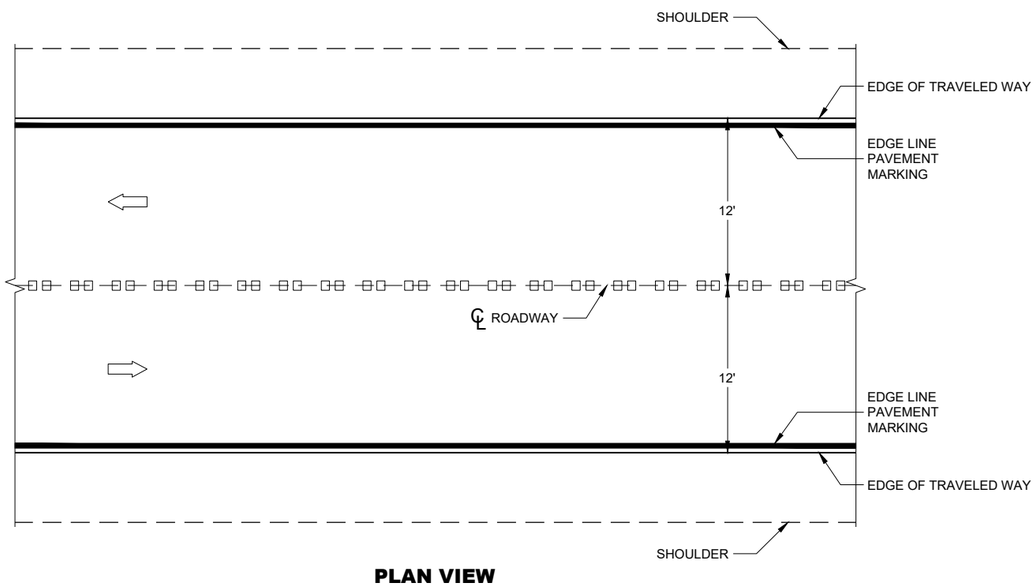
SECTION A - A



SECTION B - B
SUPERELEVATED ROADWAY



SECTION B - B
CROWNED ROADWAY



PLAN VIEW

CENTERLINE RUMBLE STRIPS - ASPHALT

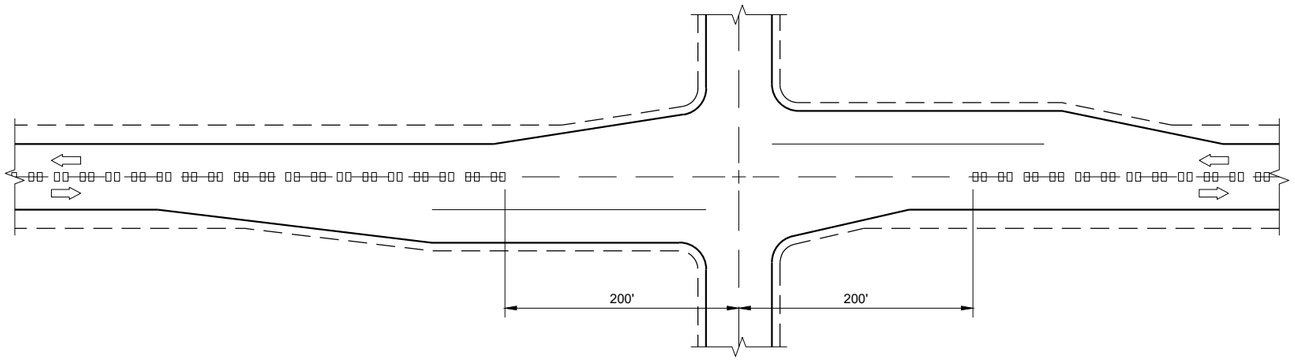
CENTERLINE RUMBLE STRIPS - ASPHALT	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTA	74

6

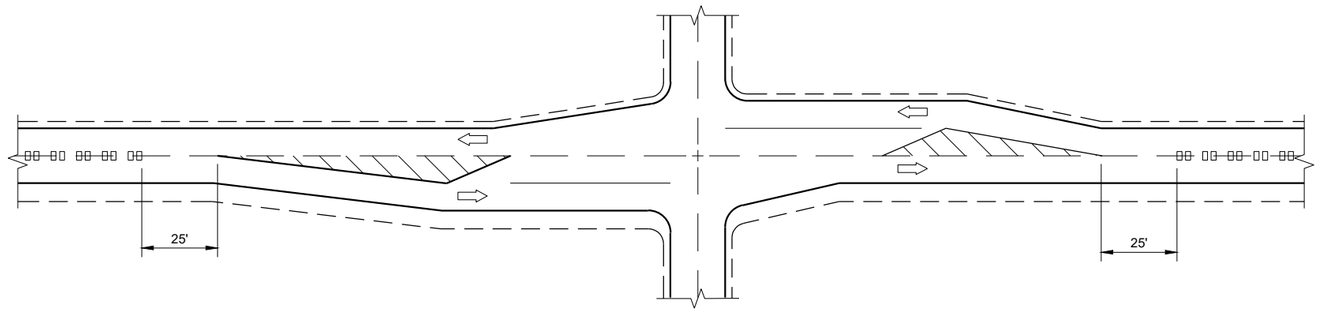
SDD 13A11 - 04a

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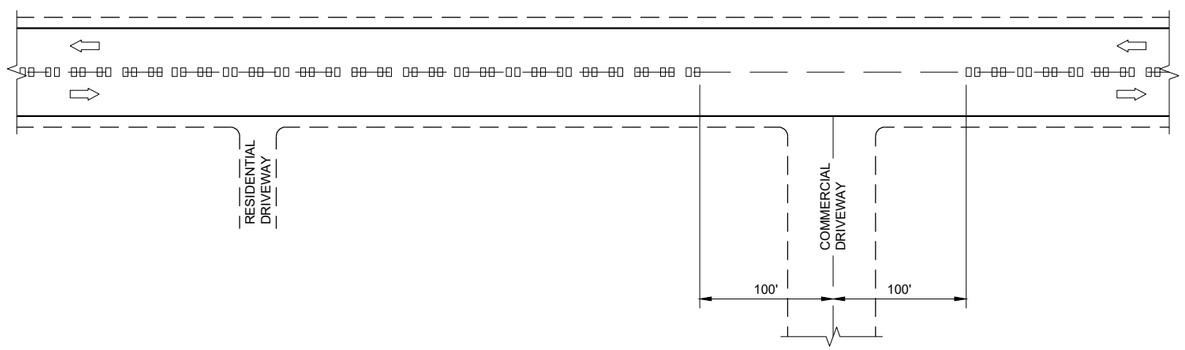
SDD 13A11 - 04a



CENTERLINE GROOVES AT INTERSECTIONS



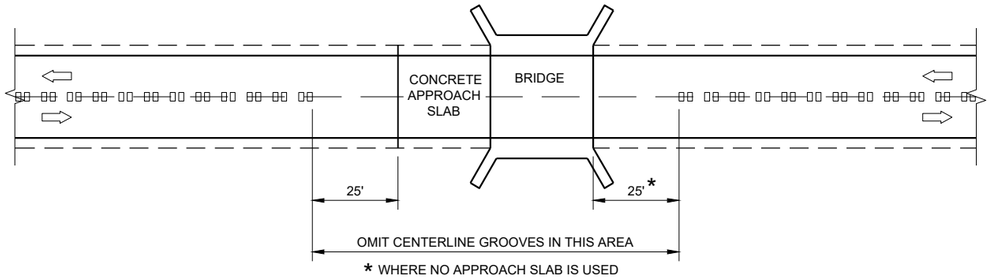
CENTERLINE GROOVES AT INTERSECTIONS (WITH LEFT TURN LANES)



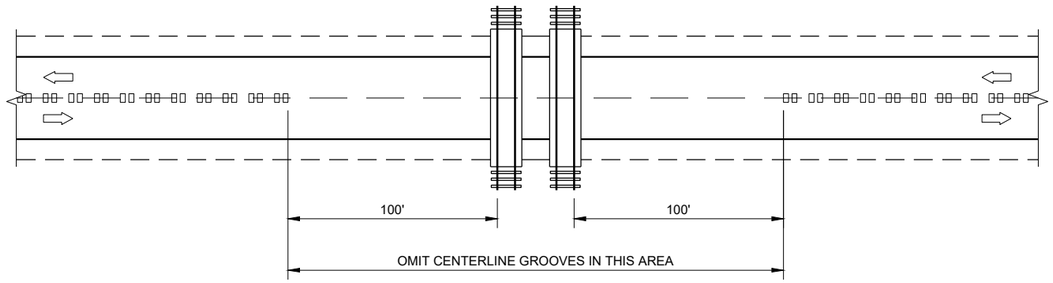
CENTERLINE GROOVES AT DRIVEWAYS (1)

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

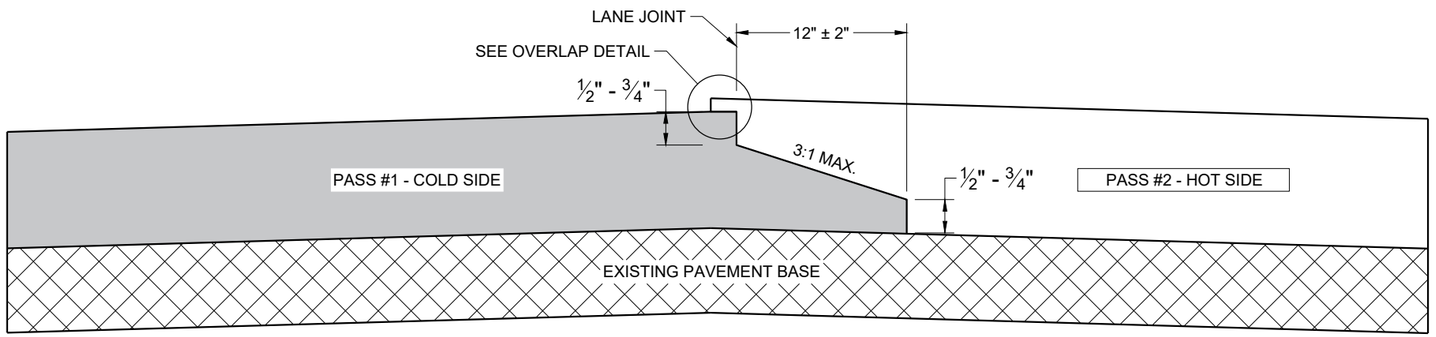
APPROVED
May 2023 — DATE
/S/ John Jenkins — ROADWAY STANDARDS DEVE ENGINEER

FHWA

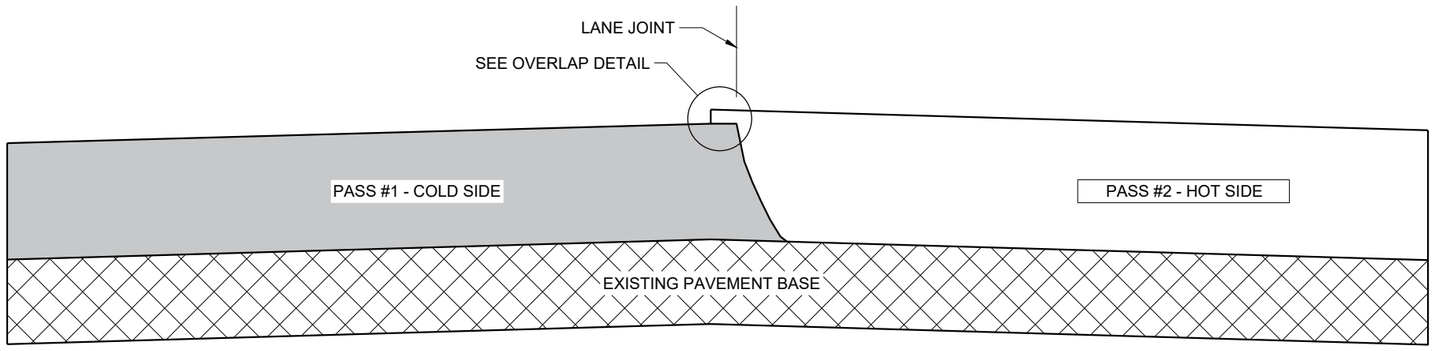
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SDD 13A11 - 04d

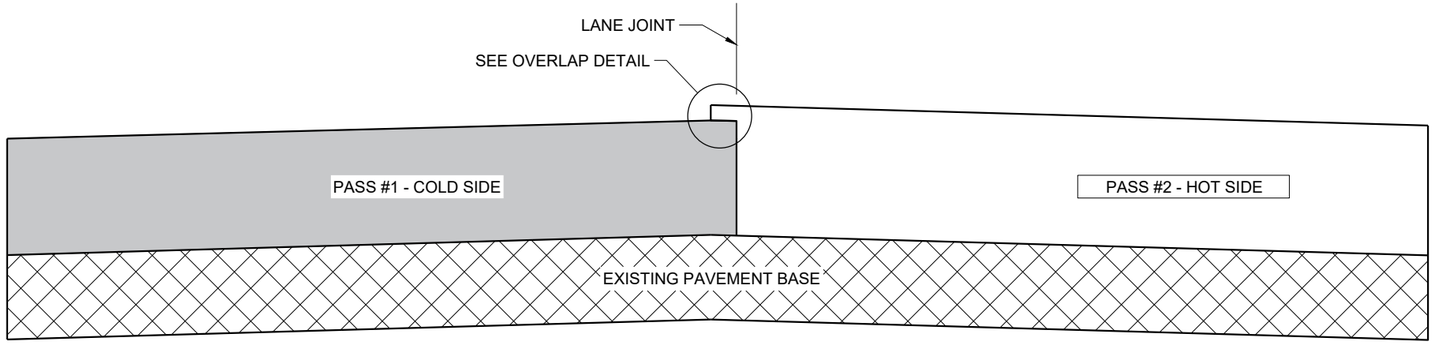
SDD 13A11 - 04d



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

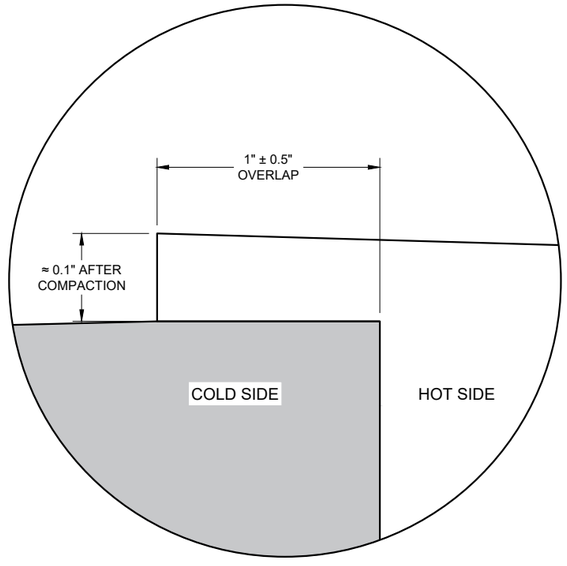
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

HMA LONGITUDINAL JOINTS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED November 2020 DATE	/S/ Steven Hefel HMA PAVEMENT ENGIN

FHWA

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SDD 13C19 - 03

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SDD 13C19 - 03

SDD 14B15a Steel Plate Beam Guard, Class "A", Installation and Elements

GENERAL NOTES

1. WOOD OR STEEL POSTS (w6X9 OR w6X8.5) AND NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6"X8" WOOD POSTS WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS. APPROVED PLASTIC BLOCKOUT DESIGNS MAY VARY FROM THIS TYPICAL DETAIL WHEN USED IN CONJUNCTION WITH STEEL POSTS. DO NOT MIX STEEL AND WOOD POSTS IN A SINGLE INSTALLATION.

2. USE STRUCTURAL STEEL POSTS CONFORMING TO ASTM A 36. GALVANIZED POSTS ACCORDING TO AASHTO M 111. EITHER SET THE POSTS IN DRILLED HOLES OR DRIVE TO GRADE. REMOVE MUSHROOMING CAUSED BY DRIVING AND REPAIR DAMAGE SPELTER COATING ON GALVANIZED POSTS.

3. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

4. USE EITHER WOOD OR APPROVED PLASTIC BLOCKOUTS ON WOOD POSTS.

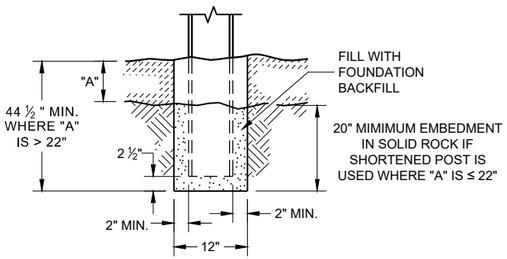
5. IF THE DISTACE FROM BACK OF POST TO SHOULDER HIGHE POINT IS LESS THAN 2 FEET, INSTALL LONGER POST AT HALF POST SPACING, W BEAM (LHW).

6. IF ROCK IS ENCOUNTERED DURING EXCAVATION, THE ENGINEER MAY APPROVE USING A 12 INCHES IN DIAMETER POST HOLE 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 ADEQUATELY.

7. 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.

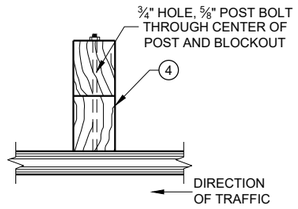
INSTALL BEAM GUARD SECTIONS AND ALL NECESSARY HARDWARE ACCORDING TO THE APPLICABLE PLAN AND CURRENT STANDARD AND SUPPLEMENTAL SPECIFICATIONS.

ALL DIMENSIONS ARE SUBJECT TO MANUFACTURER'S TOLERANCES EXCEPT WHERE ALLOWABLE TOLERANCES ARE SHOWN.



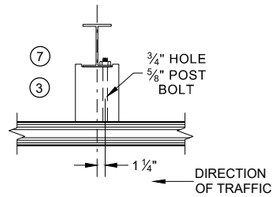
END VIEW

SETTING STEEL OR WOOD POST IN ROCK (6)



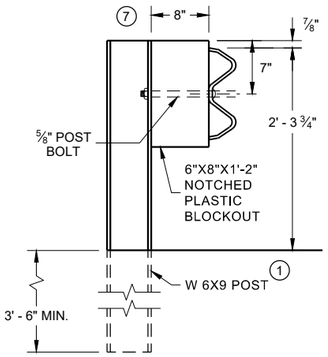
PLAN VIEW

WOOD POST, BLOCKOUT AND BEAM



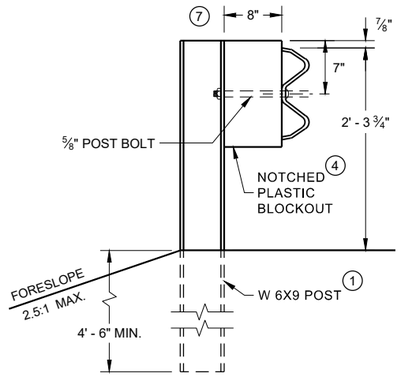
PLAN VIEW

WOOD POST, BLOCKOUT AND BEAM



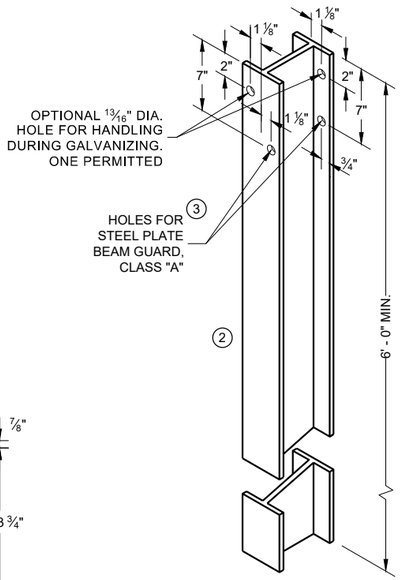
END VIEW

STEEL POST AND NOTCHED PLASTIC BLOCKOUT ALTERNATIVE STANDARD INSTALLATION



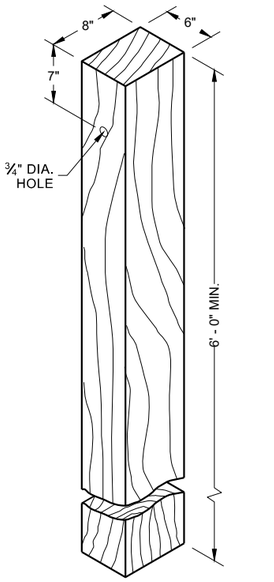
END VIEW

LONGER POST AT HALF POST SPACING W BEAM (LHW)

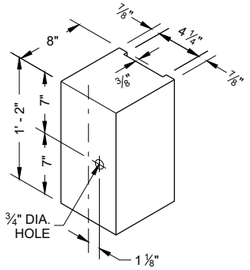


STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)

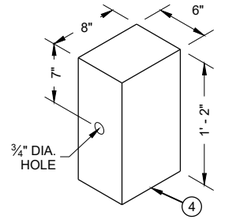
ALL HOLES 13/16" DIAMETER EXCEPT AS NOTED



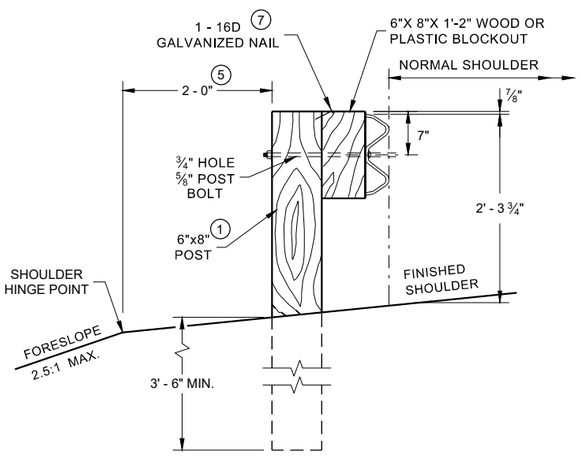
WOOD POST (6" X 8") NOMINAL (1)



TYPICAL NOTCHED PLASTIC BLOCKOUT FOR STEEL POSTS

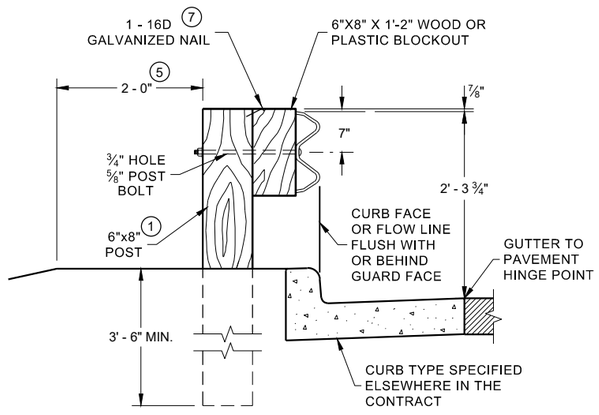


WOOD OR PLASTIC BLOCKOUT FOR WOOD POSTS



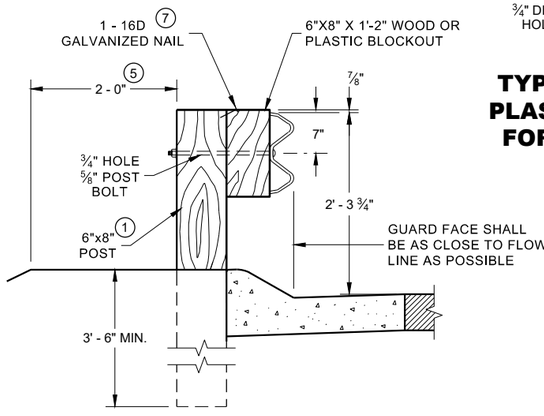
END VIEW

LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



END VIEW

LOCATED ALONG A CURBED ROADWAY



END VIEW

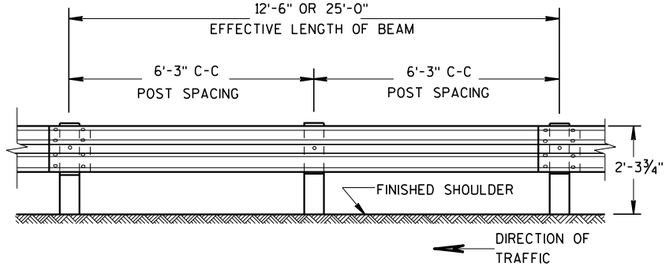
LOCATED ALONG A MOUNTABLE CURBED ROADWAY

STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION AND ELEMENTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

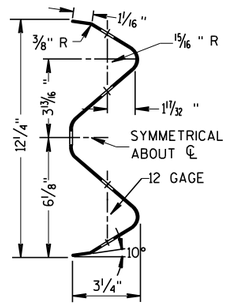
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SDD 14B15 -11a

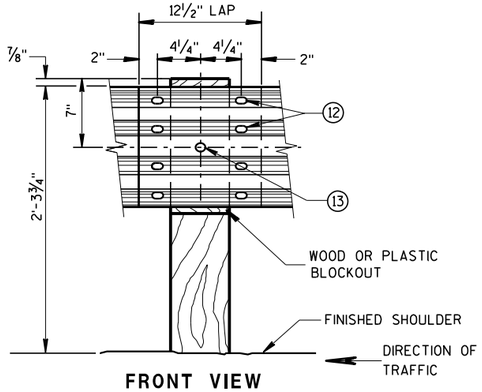


FRONT VIEW

POST SPACING STANDARD INSTALLATION



SECTION THRU W BEAM



FRONT VIEW

BEAM SPLICE AT WOOD POST AND POST MOUNTING DETAIL

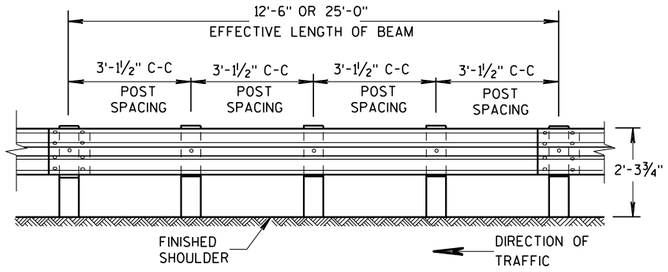
GENERAL NOTES

FURNISH GUARDRAIL DEFLECTORS FROM APPROVED PRODUCTS LIST.

(9) DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINA. START REFLECTORS AT POST #9 AND SPACE EVENLY EVERY 100 FEET (MAX.) TO THE END OF GUARDRAIL RUN, USING A MINIMUM OF 3 REFLECTORS.

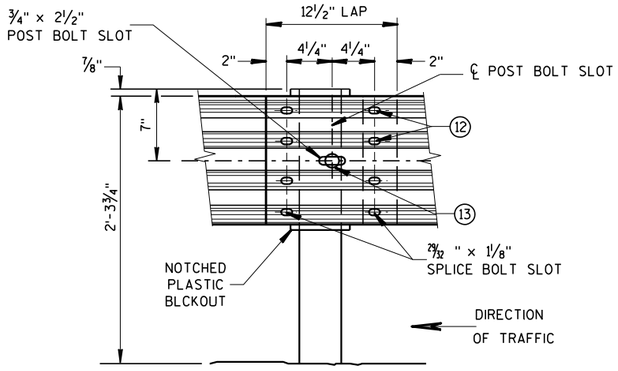
(12) 8 -⅝" ϕ X 2" BUTTON HEAD BOLTS WITH OVAL SHOULDERS & RECESS NUTS.

(13) ⅝" DIA. BUTTON HEAD BOLT AND RECESS NUT WITH ⅝" DIA. F844 FLAT WASHER UNDER NUT.



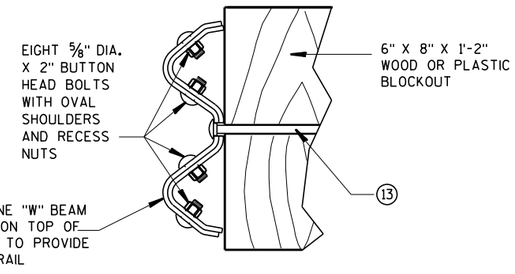
FRONT VIEW

POST SPACING FOR LONGER POST AT HALF POST SPACING W BEAM (LHW)



FRONT VIEW

BEAM SPLICE AT STEEL POST

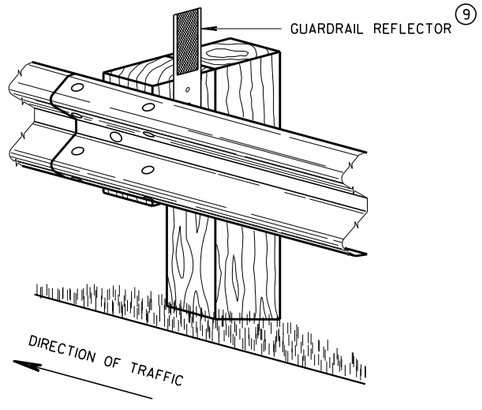


NESTED W BEAM (NW)

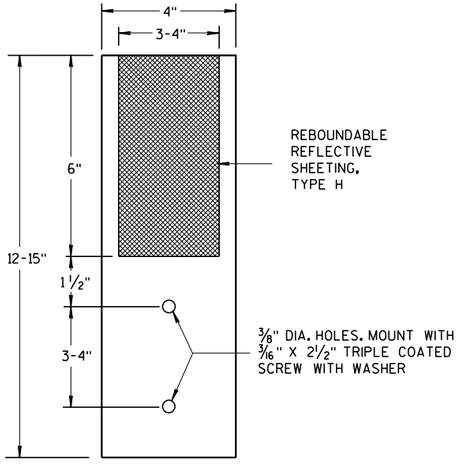
USE ALL OTHER STANDARD BEAM GUARD DETAILS FOR CONSTRUCTING NESTED W BEAM (NW)

TYPICAL SPLICING DETAILS OF STEEL PLATE BEAM GUARD

* USE DOUBLE SIDED WHITE GUADRAIL REFLECTORS ON ROADWAYS WITH BI-DIRECTIONAL TRAFFIC (NO MEDIAN). USE SINGLE SIDED WHITE (RIGHT SIDE) AND SINGLE SIDED YELLOW (LEFT SIDE) ON ROADWAYS WITH MEDIAN SEPARATION.



4" X 12" GUARDRAIL REFLECTOR DETAIL AND TYPICAL INSTALLATION *



4"x 12" GUARDRAIL REFLECTOR

STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS

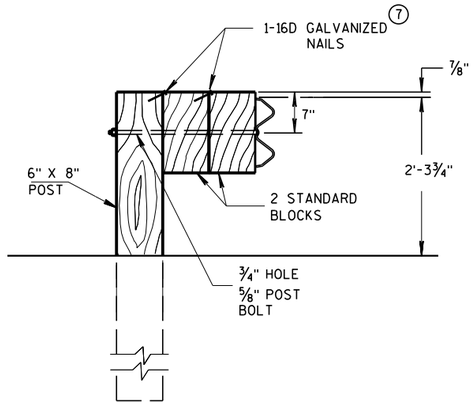
STATE OF WISCO 78
DEPARTMENT OF TRANSPORTATION

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S.D.D. 14 B 15-11b

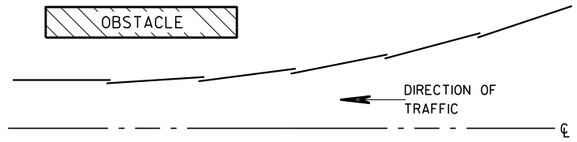
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S.D.D. 14 B 15-11b

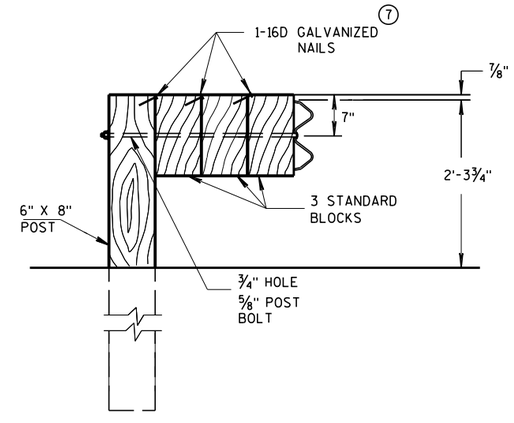


DETAIL FOR DOUBLE BLOCKS

THE NUMBER OF DOUBLE BLOCK POSTS WITHIN A BARRIER RUN IS UNLIMITED

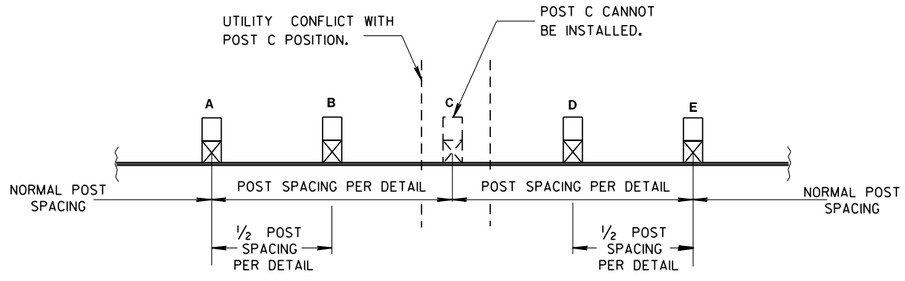


PLAN VIEW
BEAM LAPPING DETAIL



DETAIL FOR TRIPLE BLOCKS

TRIPLE BLOCK DETAIL IS LIMITED TO ONE LOCATION WITHIN A BEAM GUARD RUN.



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION

NOTES: USE DOUBLE OR TRIPLE BLOCKS WHEN UNDERGROUND OBSTACLES PREVENT THE POST FROM BEING INSTALLED.

DO NOT USE EXTRA 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.

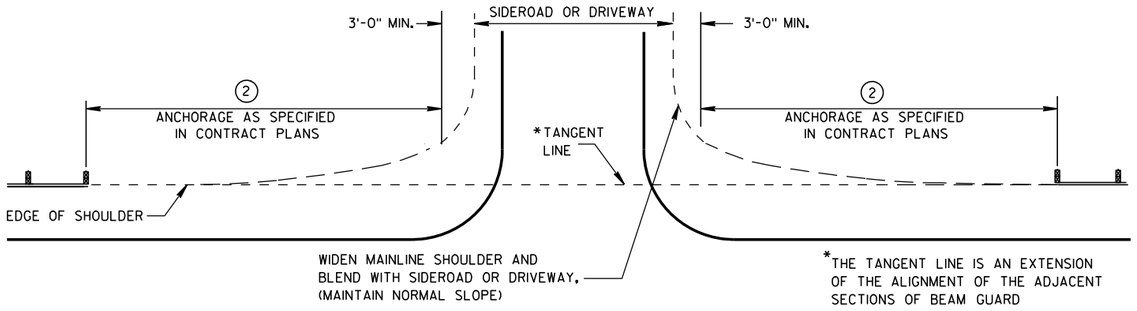
STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

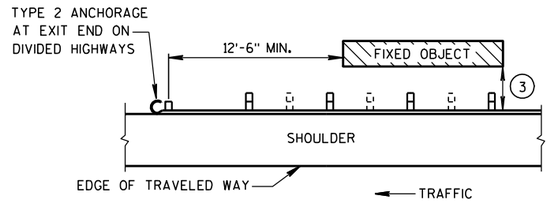
APPROVED
June 2017
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERVISOR
FHWA

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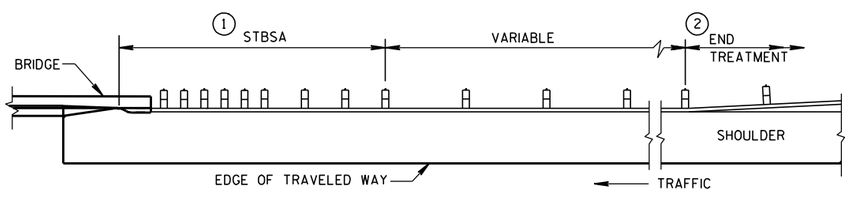
S.D.D. 14 B 15-11c



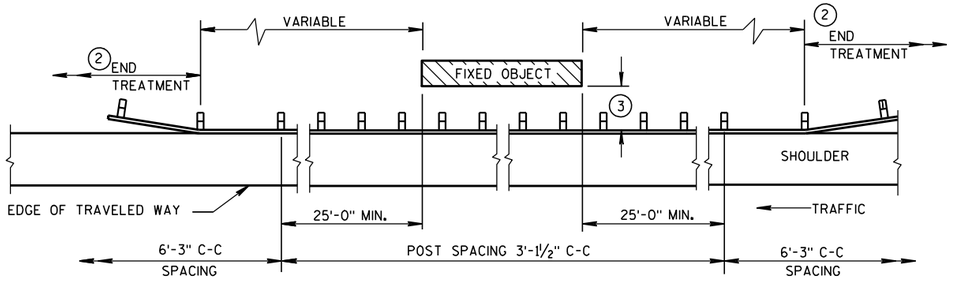
BEAM GUARD AT SIDEROADS OR DRIVEWAYS



BEAM GUARD AT OBSTACLES EXIT END - ONE WAY TRAFFIC

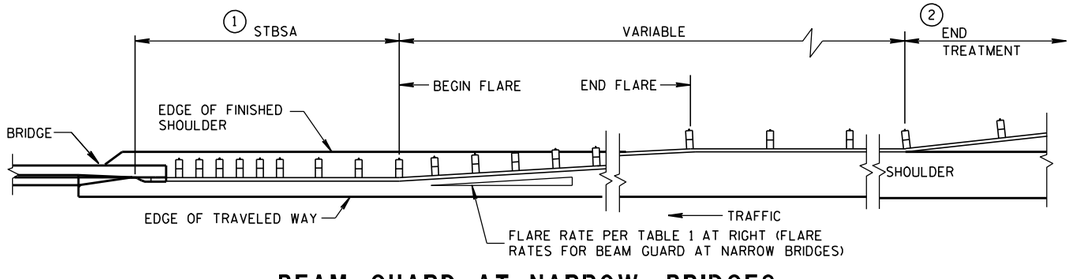


BEAM GUARD AT FULL WIDTH BRIDGES



BEAM GUARD AT OBSTACLES - TWO WAY TRAFFIC

(RAIL TO OBSTACLE CLEARANCE 3'-6" TO 4'-6")



BEAM GUARD AT NARROW BRIDGES

(FLARED TO SHOULDER EDGE, THEN PARALLEL TO ROADWAY)

TABLE 1
FLARE RATES FOR BEAM GUARD AT NARROW BRIDGES

POSTED SPEED (MPH)	FLARE RATE
25	13:1
30	15:1
35	16:1
40	18:1
45	21:1
50	24:1
55	26:1
65	30:1

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE PERTINENT STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

W6 X 9 OR W6 X 8.5 STEEL POSTS WITH NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POSTS WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS.

THE LOCATIONS AND LENGTHS OF BEAM GUARD ARE SHOWN ELSEWHERE IN THE PLAN.

(1) STEEL THRIE BEAM STRUCTURAL APPROACH (STBSA) - SEE CURRENT SDD 14B20.

(2) USE AN APPROVED END TREATMENT FOR THE TRAFFIC APPROACH SIDE OF BRIDGE/OBSTACLES. USE TYPE 2 ANCHORAGE ONLY AT THE DOWNSTREAM ENDS OF BEAM GUARD LOCATED ALONG ROADWAYS WITH ONE WAY TRAFFIC.

(3)

MINIMUM LATERAL DISTANCE FROM FACE OF BEAM GUARD TO FIXED OBJECT	POST SPACING
3'-6"	3' - 1½"
4'-6"	6' - 3"

STEEL PLATE BEAM GUARD CLASS "A" AT BRIDGES, OBSTACLES AND SIDEROADS/DRIVEWAYS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8-21-07
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

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S.D.D. 14 B 18-6a

BILL OF MATERIALS

NOTE NO.	DESCRIPTION
①	WOOD BREAKAWAY TERMINAL POST: 5½" X 7½" X 3'-9"
②	STEEL TUBE TS 8" X 6" X 0.188", 6'-0"
④	WOOD BREAKAWAY CRT POST: 6" X 8" X 6'-0"
⑤	WOOD OFFSET BLOCKS: 6' X 8" X 1'-2"
⑥	PIPE SLEEVE: 2" X 5 ½" STANDARD PIPE
⑦	BEARING PLATE
⑧	BCT CABLE ASSEMBLY
⑨	CABLE ANCHOR BOX
⑩	STRUT & YOKE
⑪	STEEL PLATE BEAM, END PANEL 12 GA.
⑫	STEEL PLATE BEAM: 12 GA. 13'-6½"
⑬	IMPACT HEAD
⑭	0.040" ALUMINUM SHEET WITH REFLECTIVE SHEETING TYPE F PER SECTION 637 OF THE STANDARD SPECIFICATIONS

GENERAL NOTES

FOLLOW MANUFACTURE'S BOLTING RECOMMENDATIONS.

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

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

(D) THE TOP OF THE STEEL TUBE ON POSTS 1 AND 2 SHALL NOT BE MORE THAN 3" ABOVE THE FINISH GROUND ELEVATION.

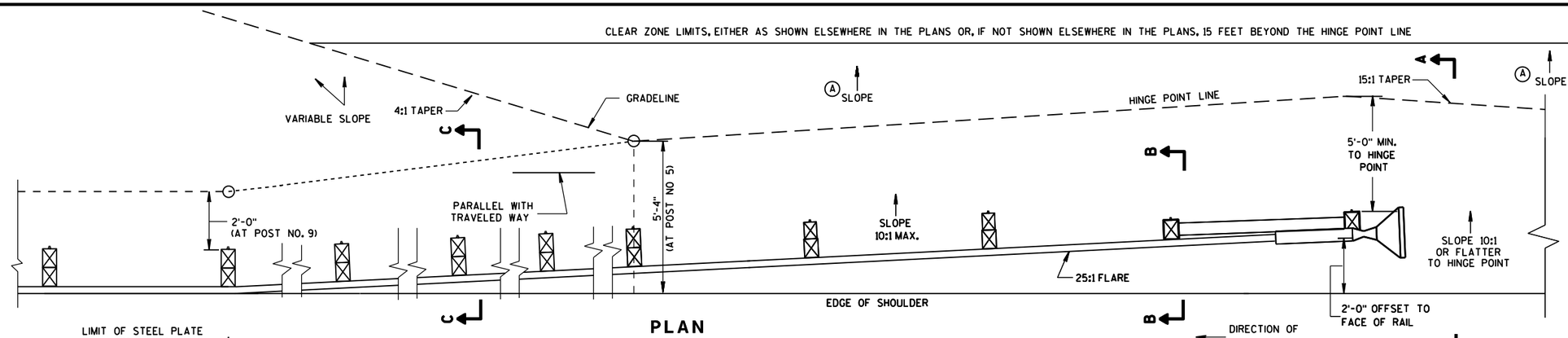
(E) THE CENTER OF THE UPPER 3½" DIAMETER HOLE ON POST 3 THROUGH 8 SHALL BE ¾" ABOVE THE FINISHED GROUND LINE.

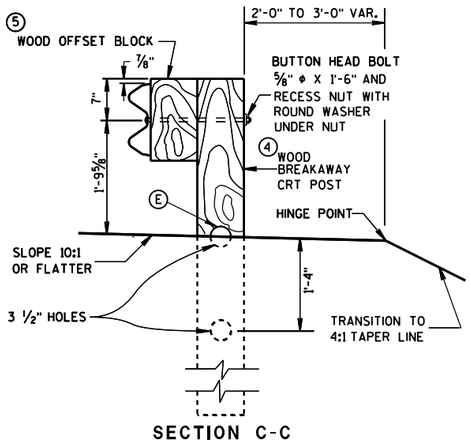
(F) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF-TAPPING SCREWS. ONE SCREW PER CORNER.

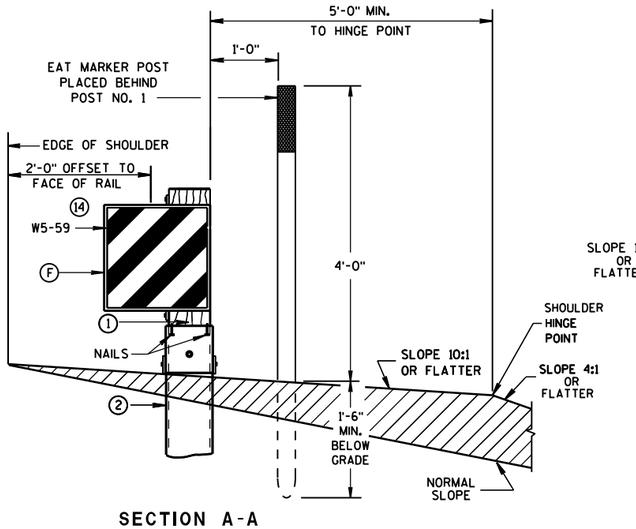
STEEL POSTS SHALL NOT BE ALLOWED FOR USE WITH ENERGY ABSORBING TERMINALS.

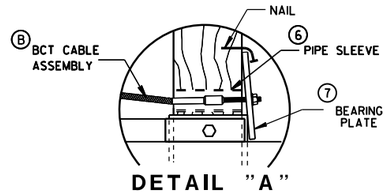
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

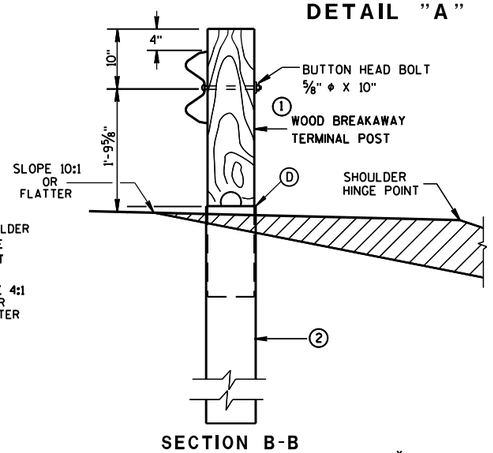
* DO NOT ATTACH BLOCKOUTS TO POSTS 1 AND 2.

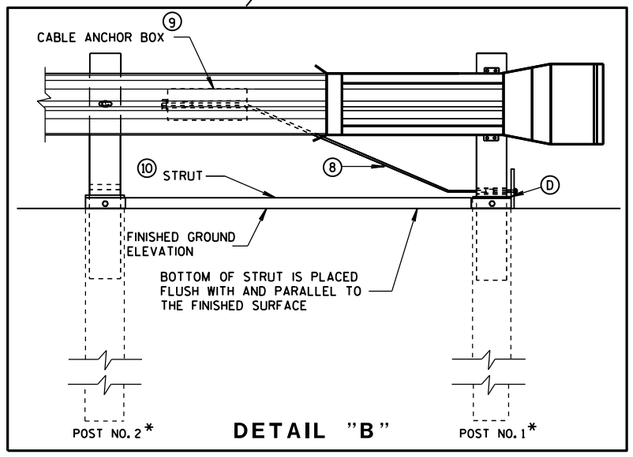










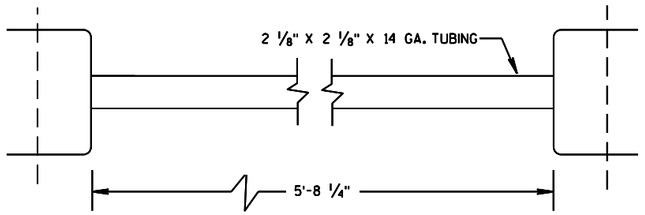


STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

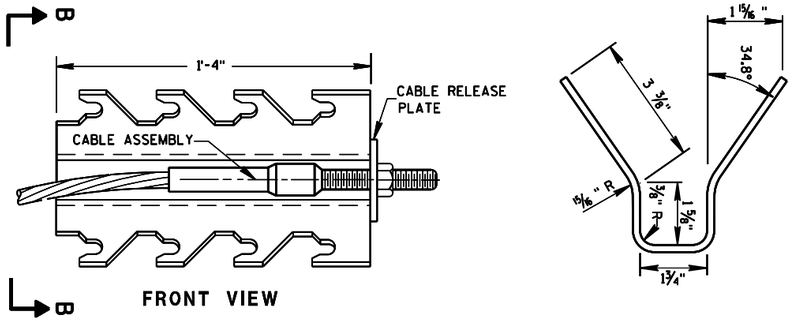
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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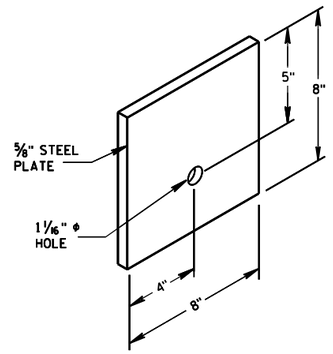
S.D.D. 14 B 24-9a



⑩ STRUT DETAIL



⑨ CABLE ANCHOR BOX



⑦ STEEL BEARING PLATE

6

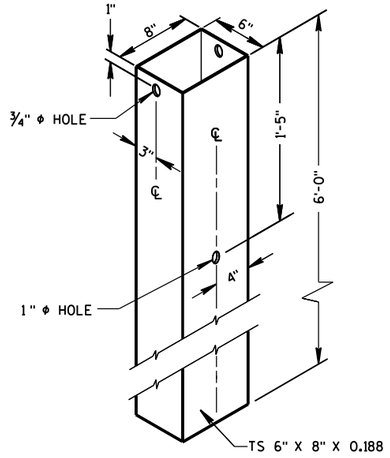
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S.D.D. 14 B 24-9b

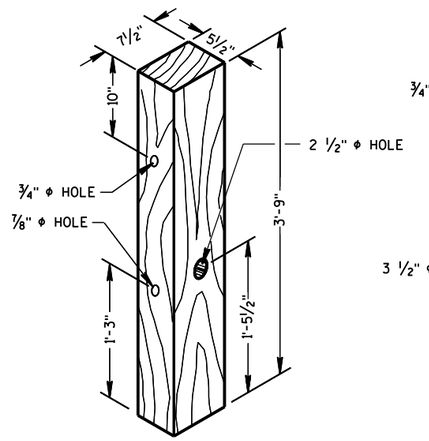
S.D.D. 14 B 24-9b

STEEL PLATE BEAM GUARD
ENERGY ABSORBING TERMINAL

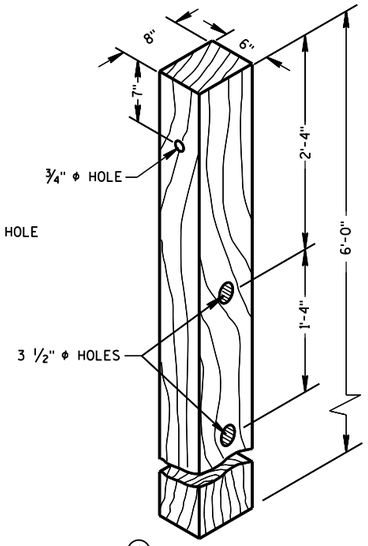
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② 72" STEEL TUBE
(POSTS NO. 1-2



① TERMINAL POST

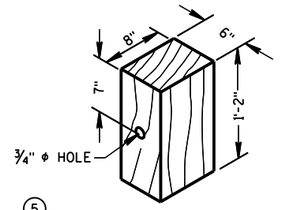


④ CRT POST
(POSTS NO'S 5-8

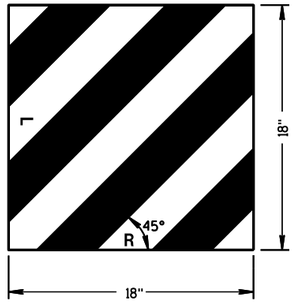
WOOD BREAKAWAY POSTS

GENERAL NOTES

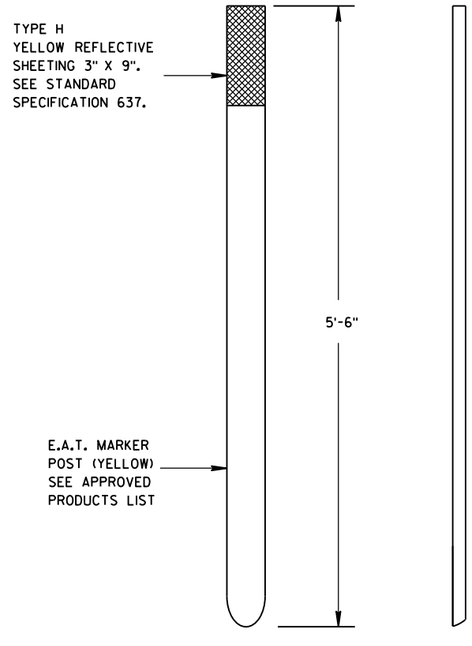
WHEN ROCK IS ENCOUNTERED DURING EXCAVATION, A 12 INCH DIA. POST HOLE EXTENDING 20 INCHES DEEP INTO THE ROCK MAY BE USED IF APPROVED BY THE ENGINEER. GRANULAR MATERIAL SHALL BE PLACED IN THE BOTTOM OF THE HOLE APPROXIMATELY 2 1/2" INCHES DEEP TO PROVIDE DRAINAGE. THE SOIL TUBES SHALL BE FIELD CUT TO LENGTH, PLACED IN THE HOLE AND BACKFILLED WITH ADEQUATELY COMPACTED MATERIAL EXCAVATED FROM THE HOLE.



⑤ WOOD OFFSET BLOCK
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



⑭ REFLECTIVE SHEETING DETAILS



E.A.T. MARKER POST

STEEL PLATE BEAM GUARD
ENERGY ABSORBING TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERV...

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S.D.D. 14 B 24-9c

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S.D.D. 14 B 24-9c

(1) WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

(2) USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.

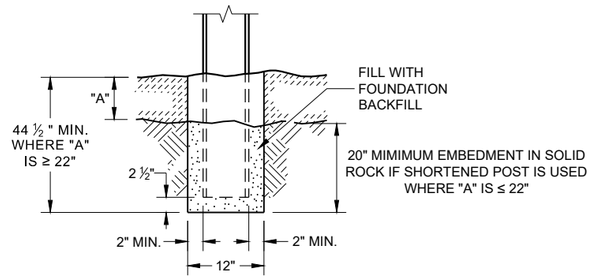
(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL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

(4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).

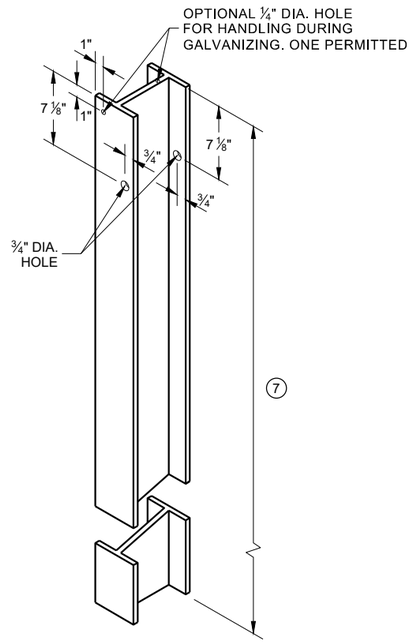
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ±1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

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

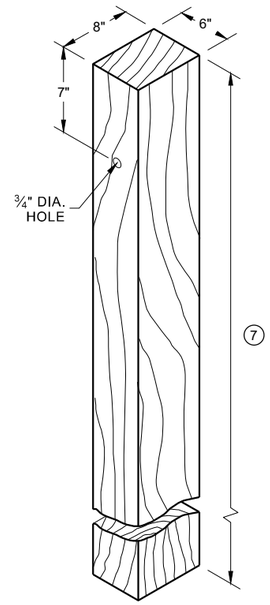
(7) TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



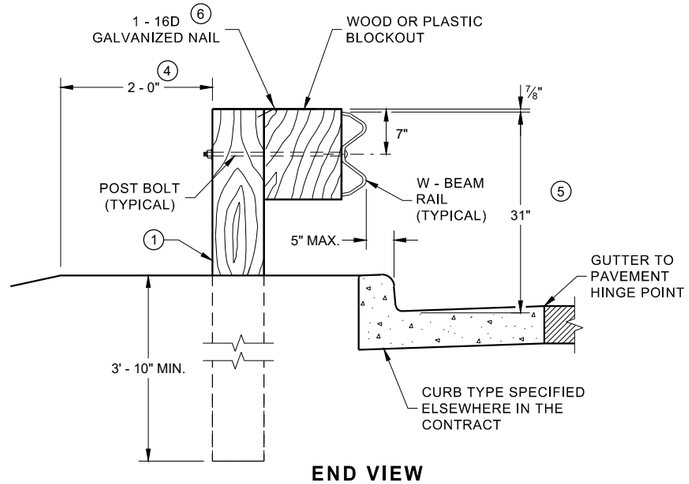
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



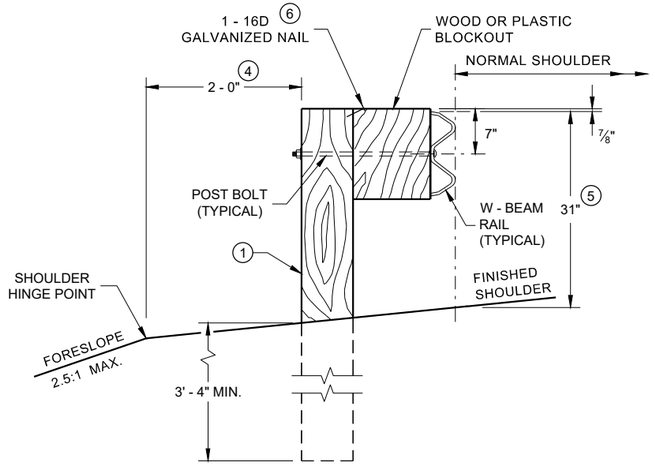
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



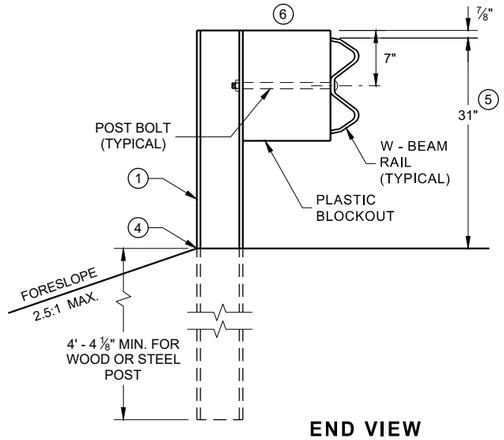
WOOD POST (6" X 8") NOMINAL (1)



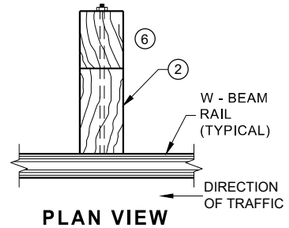
END VIEW
LOCATED ALONG A CURBED ROADWAY



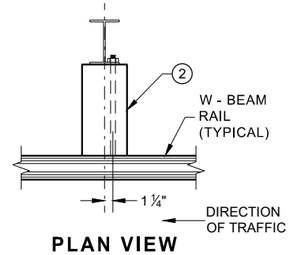
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



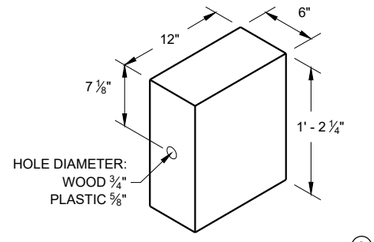
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



PLAN VIEW
STEEL POST, PLASTIC BLOCKOUT & BEAM



WOOD OR PLASTIC BLOCKOUT (2)

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

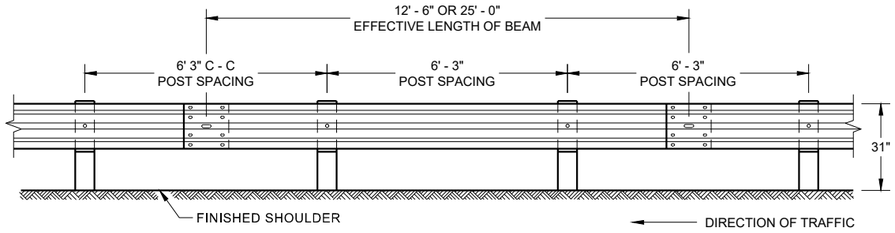
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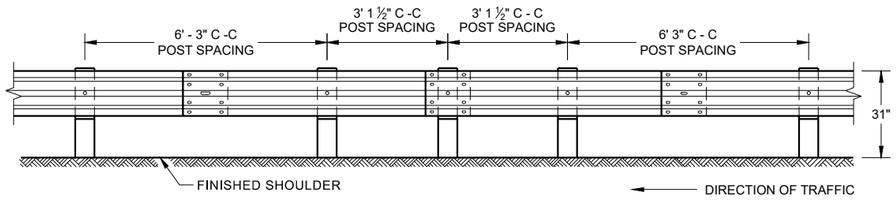
SDD 14B42 - 07a

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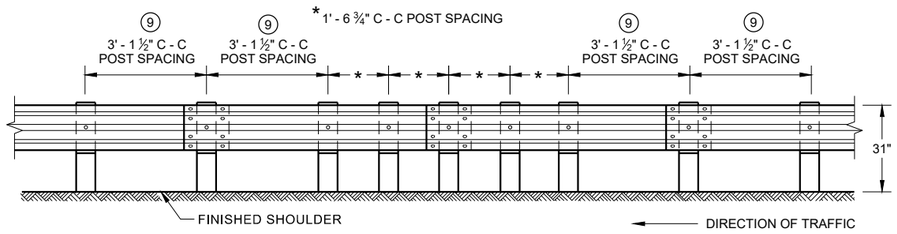
SDD 14B42 - 07a



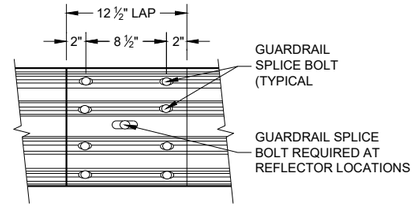
FRONT VIEW
POST SPACING STANDARD INSTALLATION



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



FRONT VIEW
QUARTER POST SPACING (QS)



FRONT VIEW
MID-SPAN BEAM SPLICE

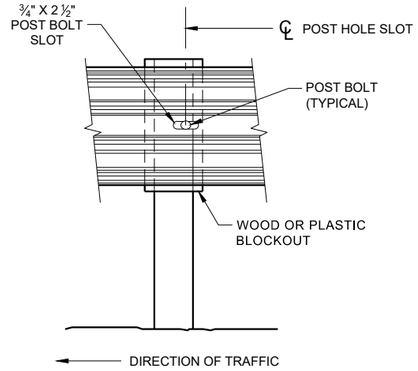
GENERAL NOTES

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

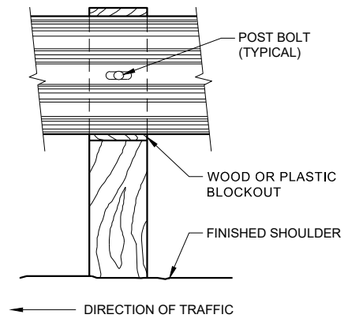
⑨ 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

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.

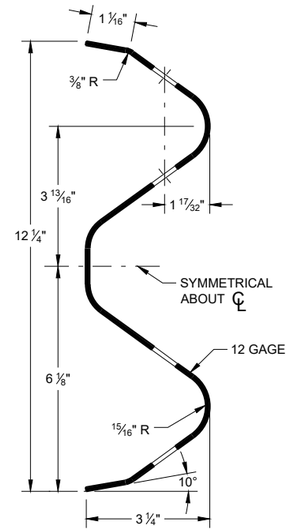
GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.



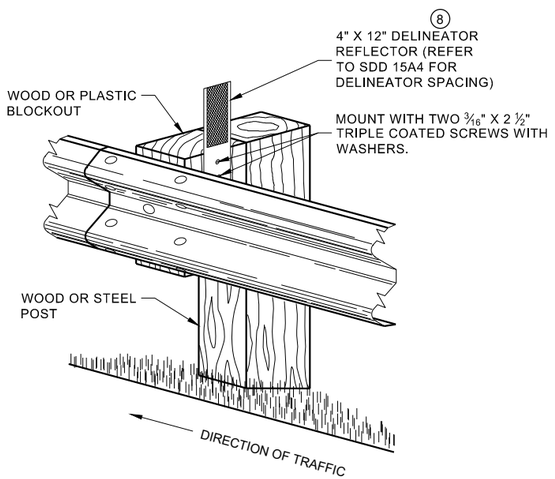
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



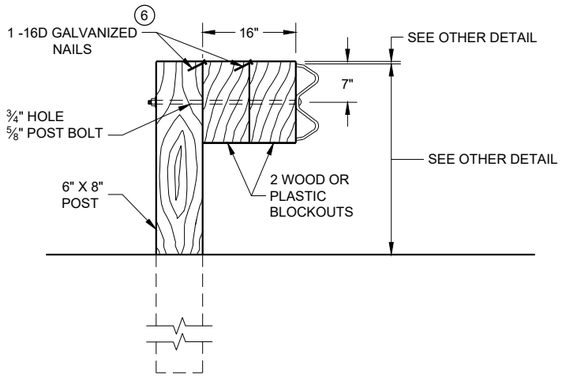
ONE SIDED REFLECTOR DETAIL
AND TYPICAL INSTALLATION

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

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SDD 14B42 - 07b

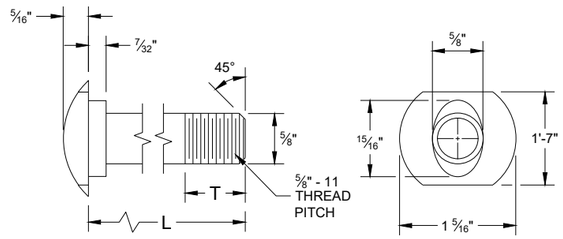


DETAIL FOR 16" BLOCKOUT DEPTH

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

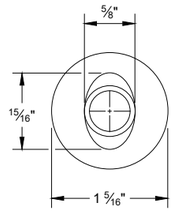
NOTE:

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

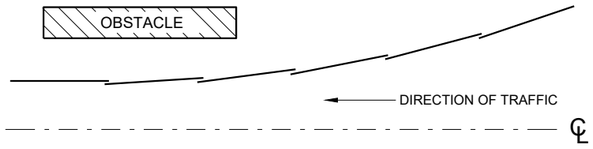


POST BOLT TABLE

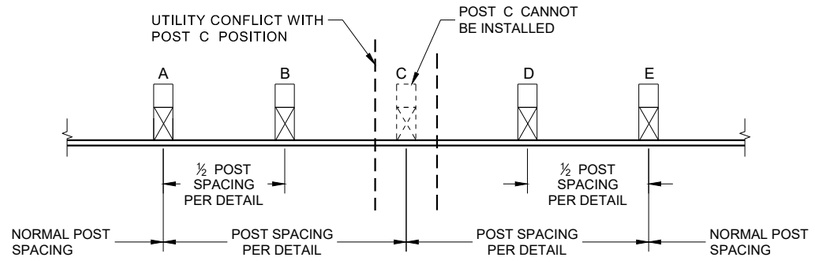
L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1⁄16"
18"	4"
21"	4 1⁄16"
25"	4"



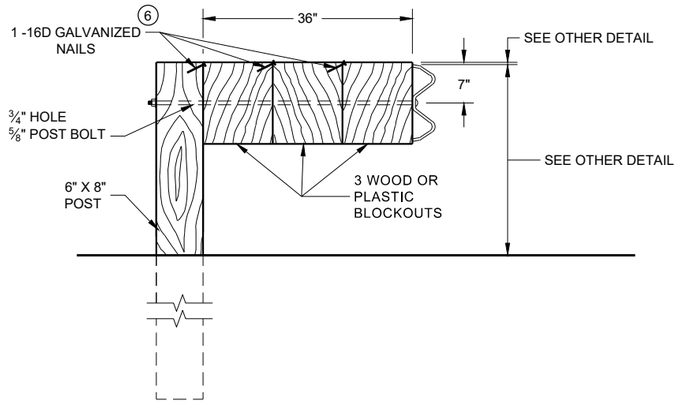
ALTERNATE BOLT HEAD



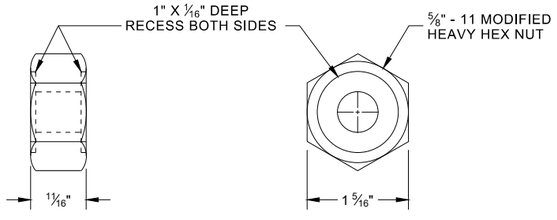
PLAN VIEW
BEAM LAPPING DETAIL



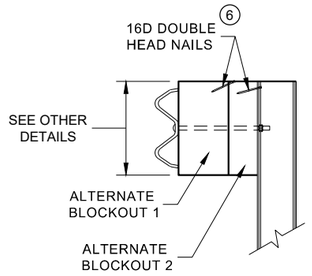
POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



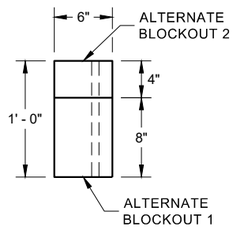
DETAIL FOR 36" BLOCKOUT DEPTH



POST BOLT, SPLICE BOLT AND RECESS NUT



SIDE VIEW



PLAN VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

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

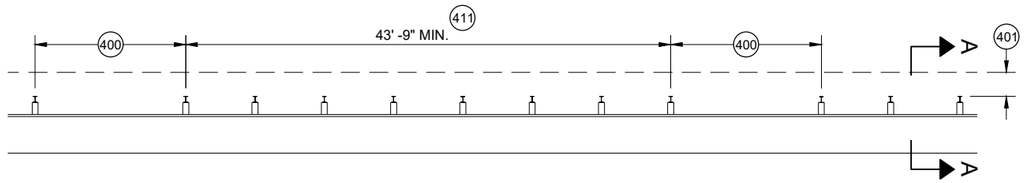
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

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

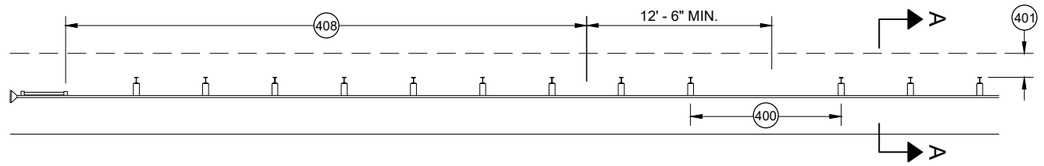
MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

6

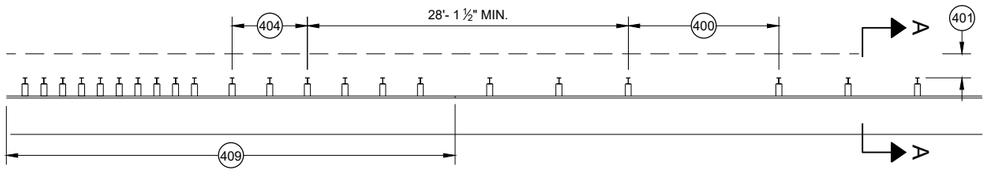
SDD 14B42 - 07c



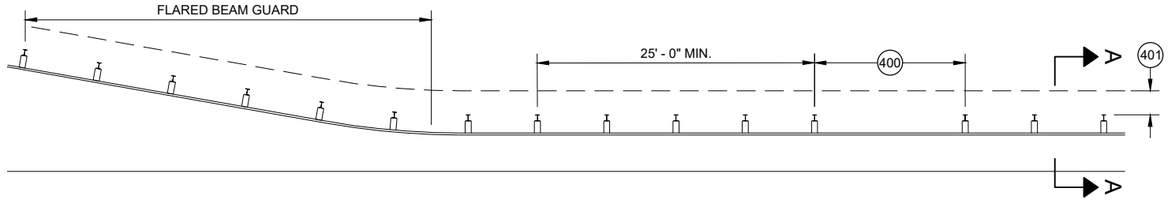
MISSING POST IN MGS GUARDRAIL



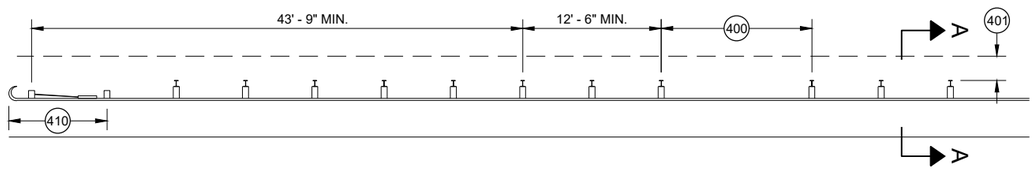
MISSING POST IN MGS GUARDRAIL NEAR EAT



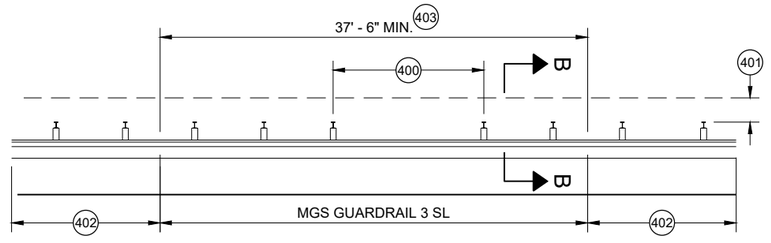
MISSING POST IN MGS GUARDRAIL NEAR AN APPROACH TRANSITION



MISSING POST IN MGS GUARDRAIL NEAR FLARED BEAM GUARD

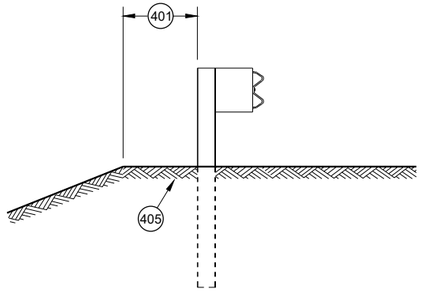


MISSING POST IN MGS GUARDRAIL NEAR A TYPE 2 END TERMINAL

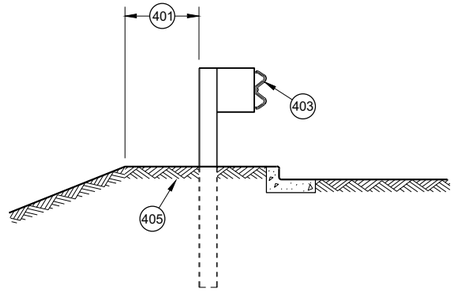


MISSING POST IN SHORT SPAN MGS GUARDRAIL NEAR CURB (SL) 407

(400) MAX SPAN 12' - 6"
(401) 2' MIN.
(402) MGS GUARDRAIL 3
(403) NESTING BEAM GUARD
(404) ASYMMETRIC TRANSITION
(405) SOIL WELL DRAINED AND COMPACTED
(406) SEE OTHER DRAWINGS IN THIS SDD
(407) SEE OTHER DRAWINGS FOR MIN. SPACING BETWEEN SPANS
(408) SEE SDD 14B44
(409) SEE SDD 14B45
(410) SEE SDD 14B47
(411) MINIMUM DISTANCE BETWEEN MISSING POST SPANS.



SECTION A - A 406



SECTION B - B 406

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

FHWA

6

SDD 14B42 - 07d

GENERAL NOTES

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

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

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

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

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

DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

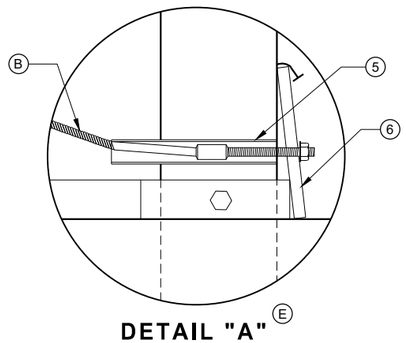
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

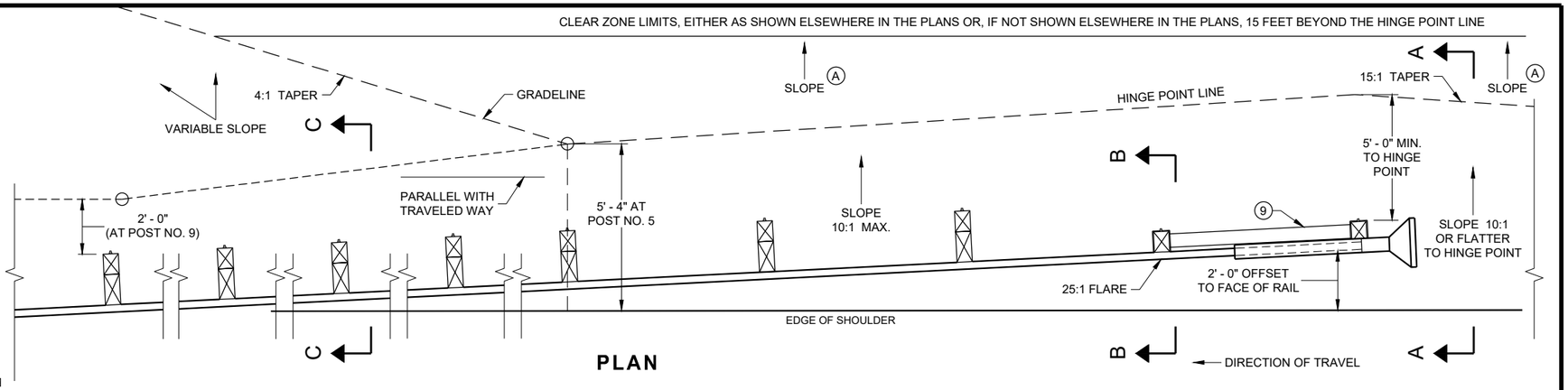
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

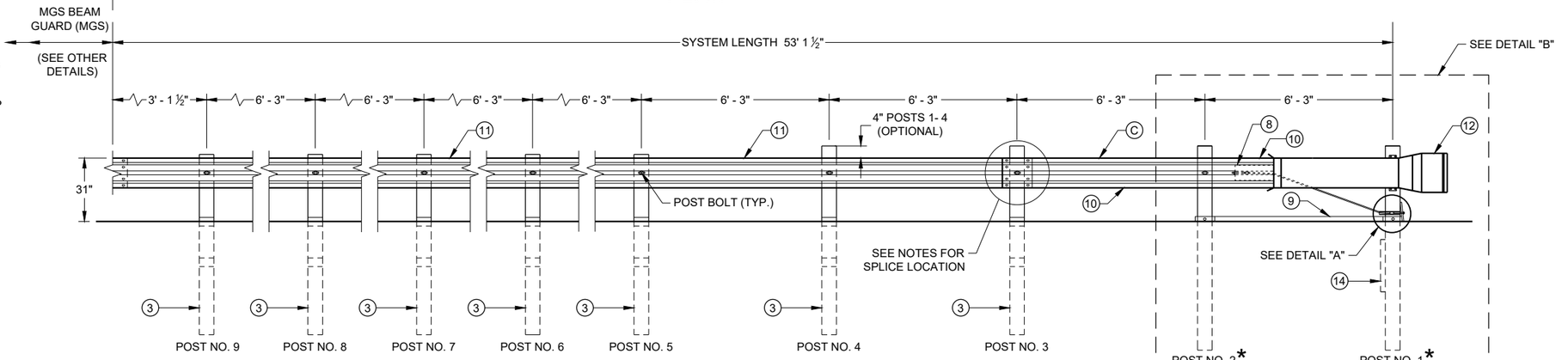
SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

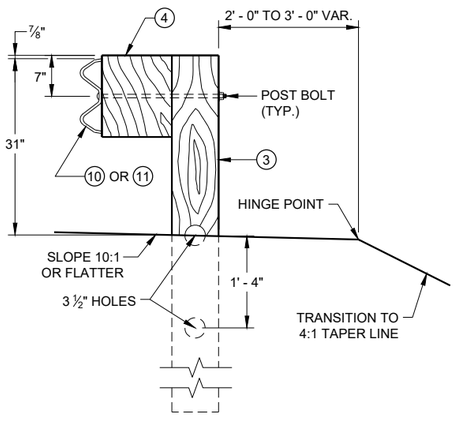
THE CENTER OF THE UPPER 3 ½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.



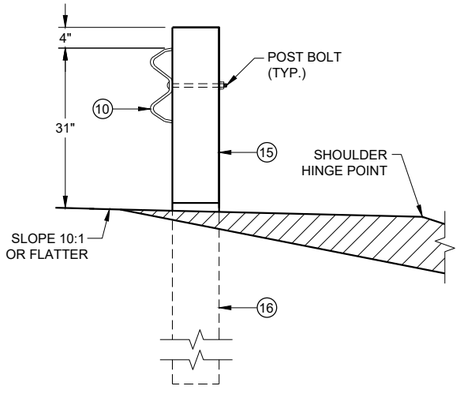
DETAIL "A" (E)



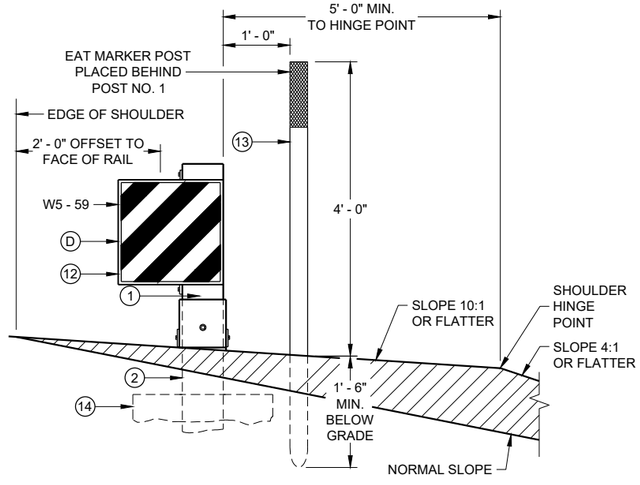




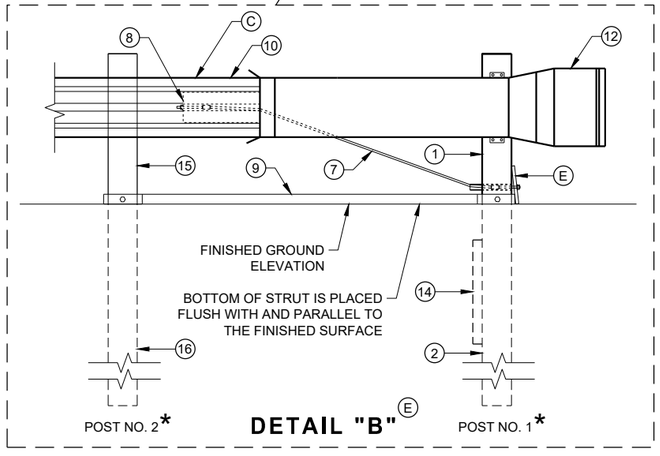
SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



SECTION A - A
TYPICAL AT POST NO. 1*



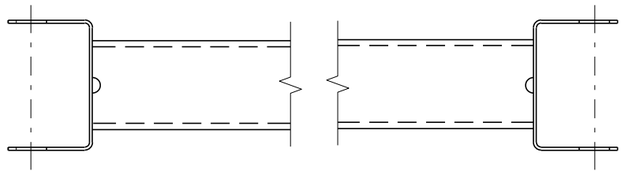
DETAIL "B" (E)

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B44 - 04a

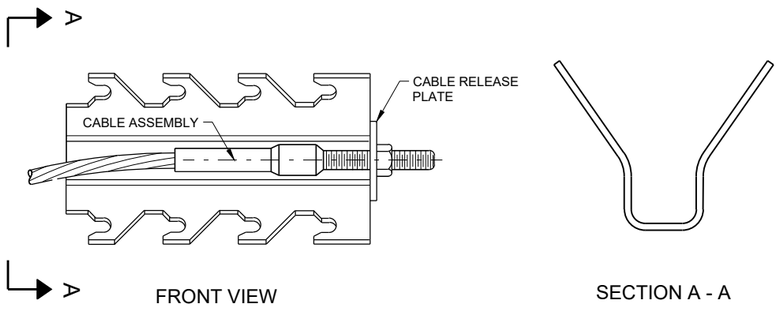
SDD 14B44 - 04a



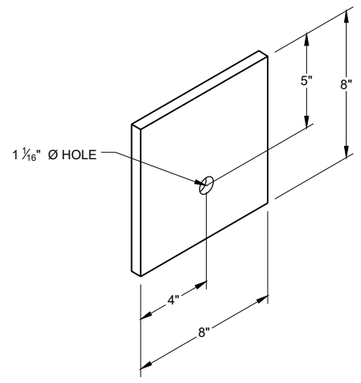
GENERIC GROUND STRUT ⑨ Ⓔ

BILL OF MATERIALS

PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUGACTURER'S DETAILS FOR MORE INFORMATION.
①	UPPER POST NO. 1 6" X 6" TUBE
②	LOWER POST NO. 1
③	WOOD CRT
④	WOOD BLOCKOUT
⑤	PIPE SLEEVE
⑥	BEARING PLATE
⑦	BCT CABLE ASSEMBLY
⑧	ANCHOR CABLE BOX
⑨	GROUND STRUT
⑩	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
⑪	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
⑫	IMPACT HEAD
⑬	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)
⑭	SOIL PLATE
⑮	UPPER POST NO. 2
⑯	LOWER POST NO. 2



GENERIC ANCHOR CABLE BOX ⑨ Ⓔ



BEARING PLATE ⑥ Ⓔ

6

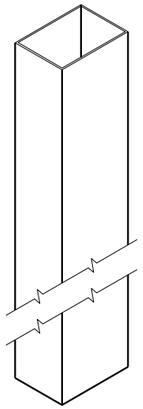
6

SDD 14B44 - 04b

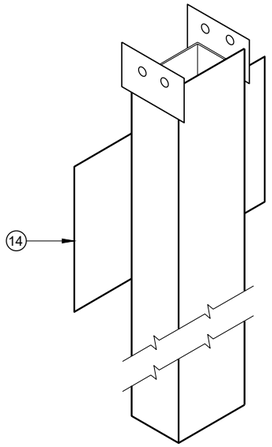
SDD 14B44 - 04b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

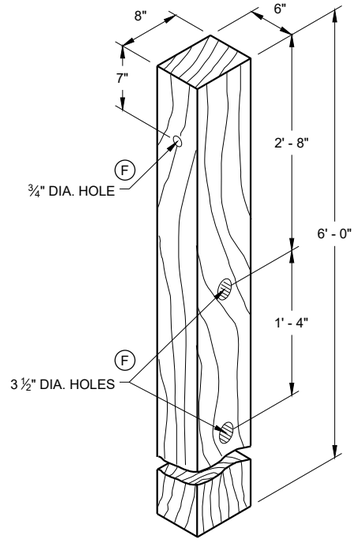
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



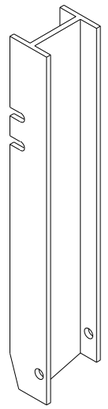
UPPER POST NO. 1 (1) (E)



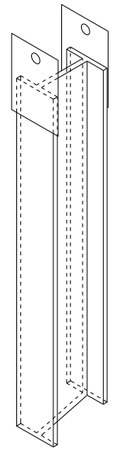
LOWER POST NO. 1 (2) (E)



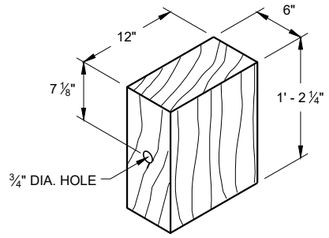
WOOD CRT POST (3) (E)
POSTS NUMBER 3-9



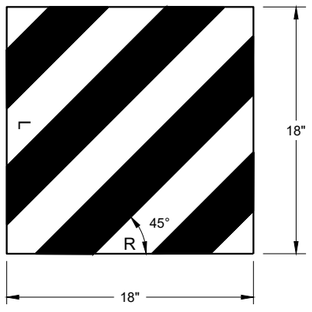
UPPER POST NO. 2 (15) (E)



LOWER POST NO. 2 (16) (E)

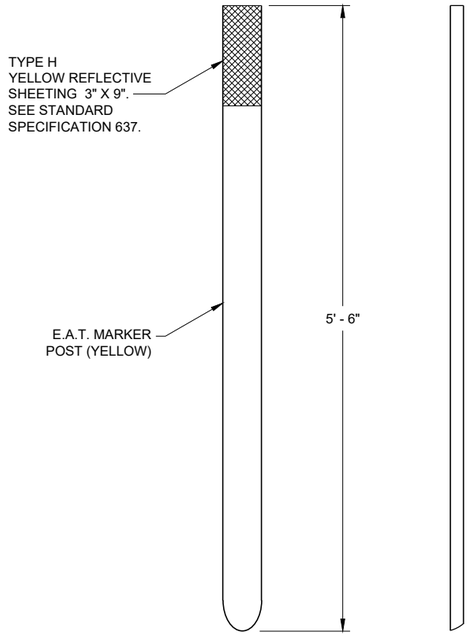


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



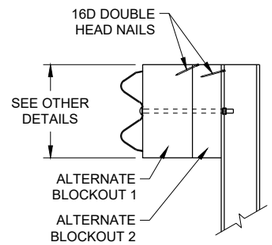
W5 - 59

REFLECTIVE SHEETING DETAIL (E)

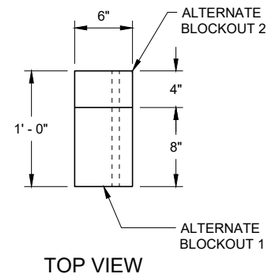


FRONT VIEW SIDE VIEW

E.A.T. MARKER POST (13)



SIDE VIEW



TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

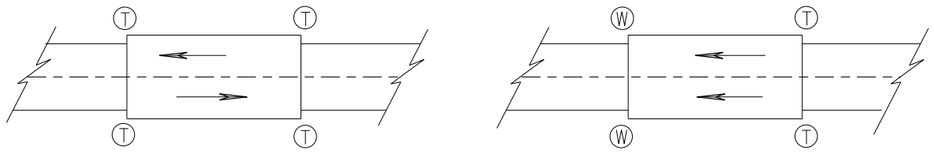
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

6

SDD 14B44 - 04c
SDD 14B44 - 04c



TWO WAY TRAFFIC

ONE WAY TRAFFIC

(T) THRIE BEAM CONNECTION

(W) W-BEAM CONNECTION WHEN REQUIRED

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

GENERAL NOTES

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

TRANSITION USES STEEL POSTS ONLY.

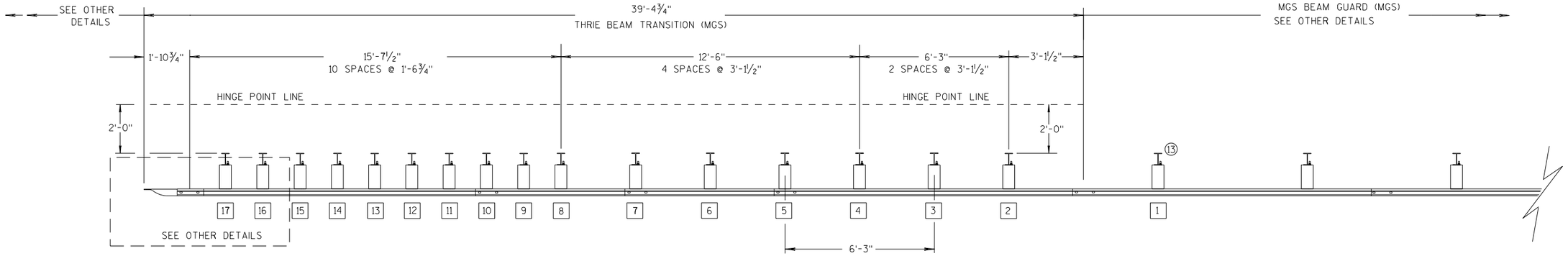
SEE STANDARD DETAIL DRAWING 14 B 42 FOR MORE INFORMATION.

POST 2 THROUGH 17 USES STEEL POST ONLY

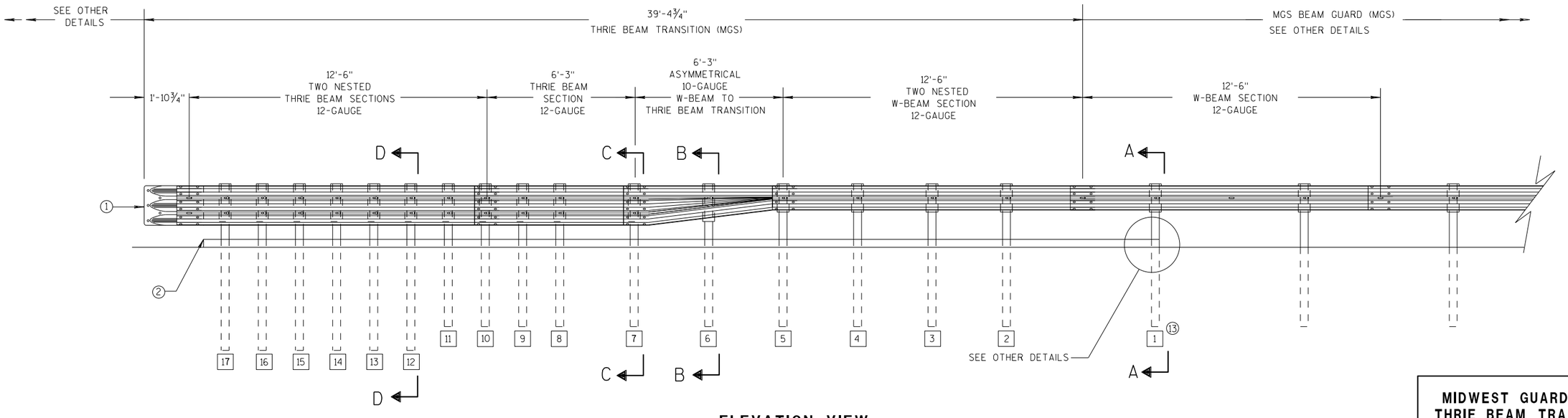
(1) BRIDGE RAILING TYPE "W" DOES NOT REQUIRE A TERMINAL CONNECTOR.

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

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



PLAN VIEW



ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

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

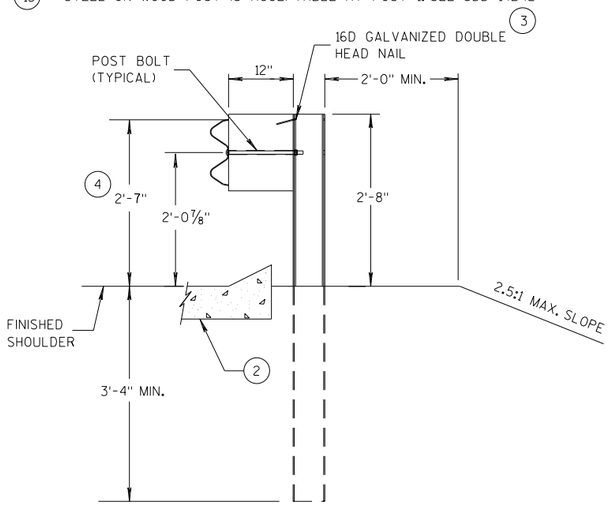
GENERAL NOTES

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

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

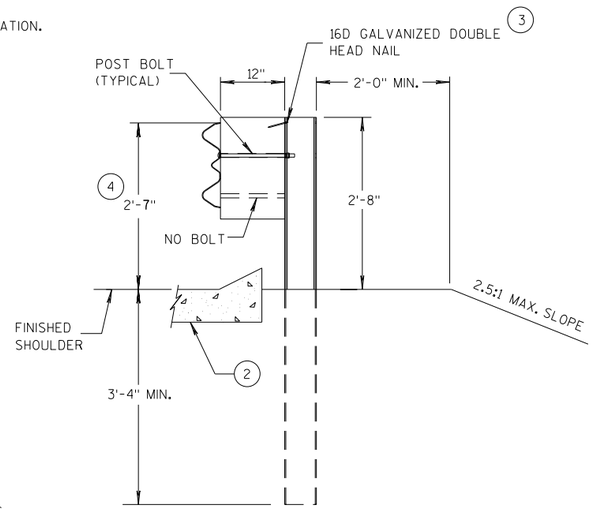
(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

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



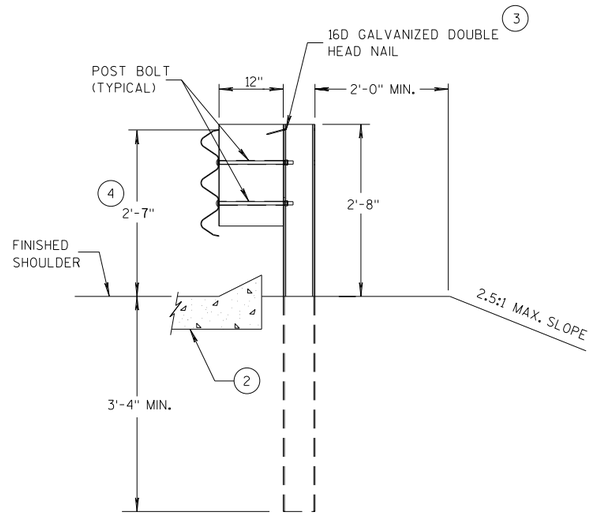
SECTION A-A (13)

POSTS 1-5



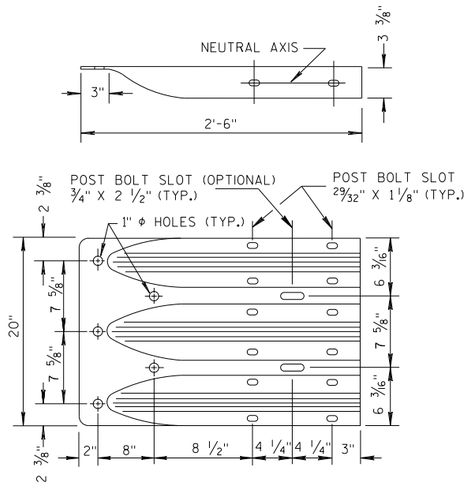
SECTION B-B

POST 6

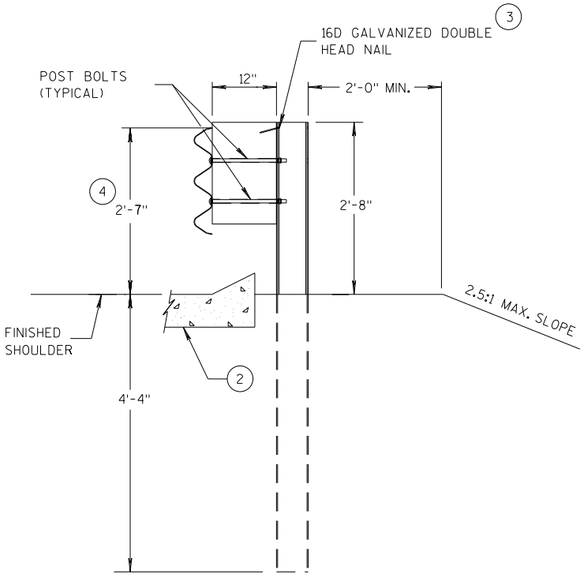


SECTION C-C

POSTS 7-11

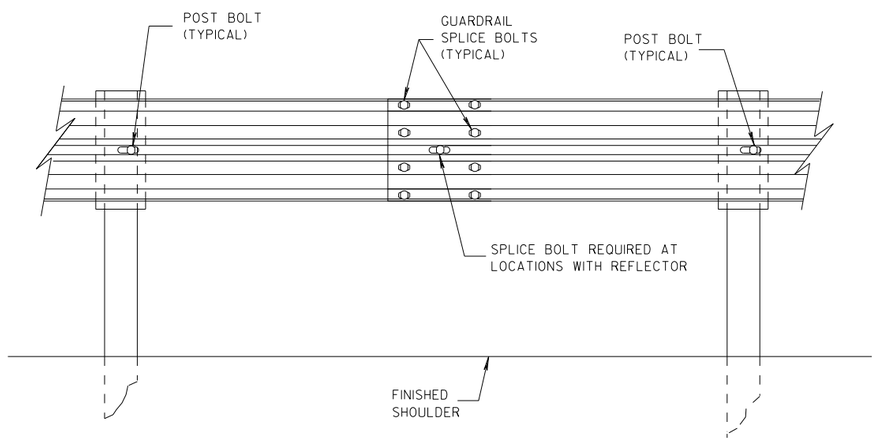


THRIE BEAM TERMINAL CONNECTOR



SECTION D-D

POSTS 12-17



SPLICE DETAIL

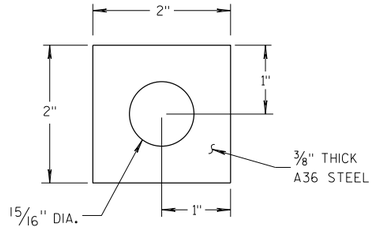
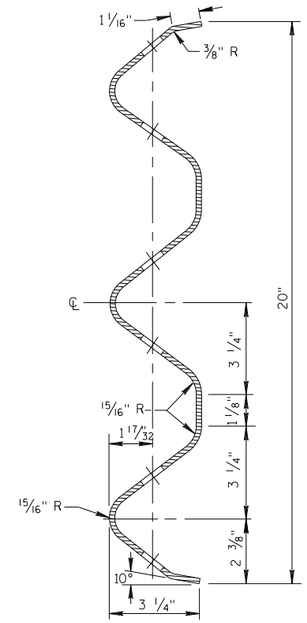


PLATE WASHER DETAIL



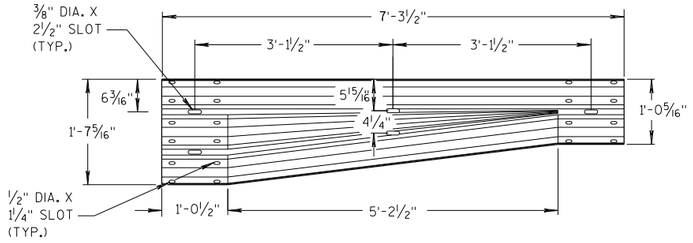
SECTION THRU THRIE BEAM RAIL ELEMENT

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

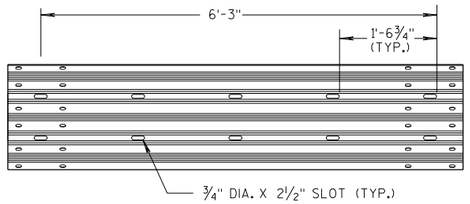
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOF

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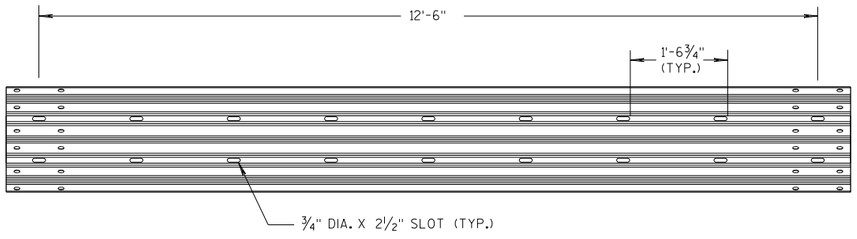
S.D.D. 14 B 45-5b



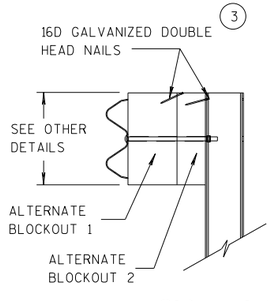
W-BEAM TO THRIE BEAM TRANSITION SECTION



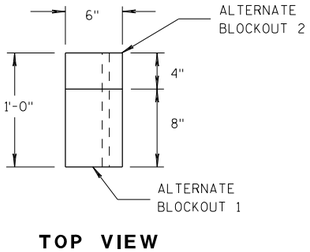
6'-3" THRIE BEAM SECTION



12'-6" THRIE BEAM SECTION

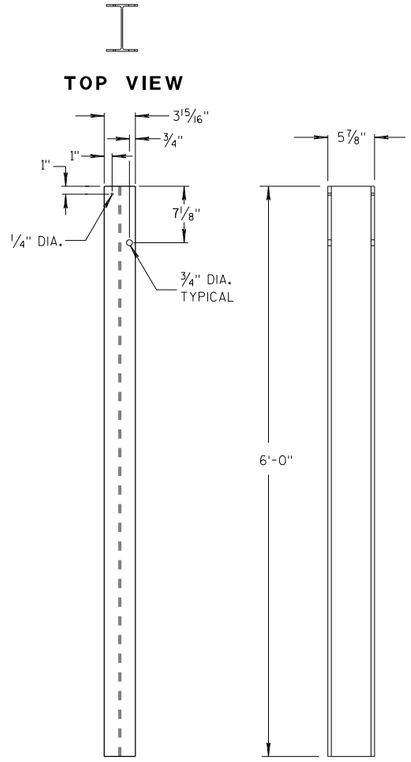


SIDE VIEW



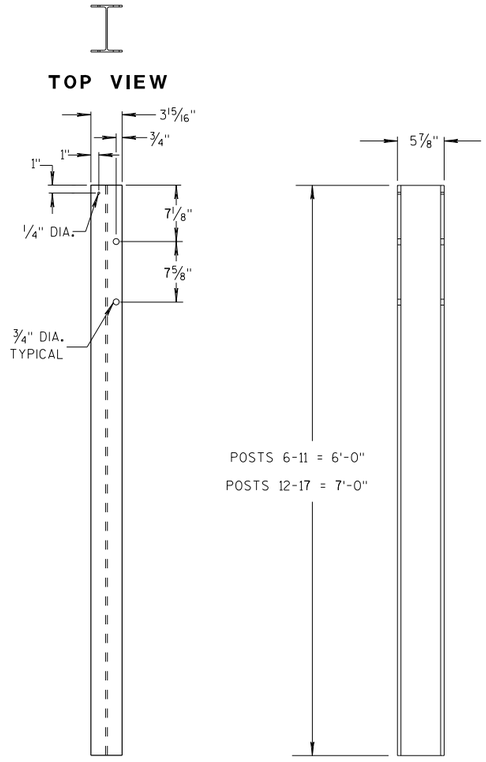
TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL



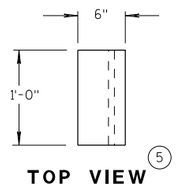
FRONT VIEW SIDE VIEW

STEEL POSTS 1-5 (13)

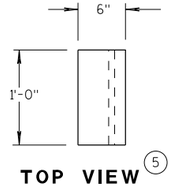


FRONT VIEW SIDE VIEW

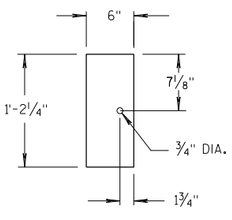
STEEL POSTS 6-17



TOP VIEW (5)

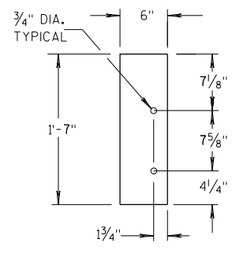


TOP VIEW (5)



FRONT VIEW

BLOCKOUT POSTS 1-5



FRONT VIEW

BLOCKOUT POSTS 6-17

GENERAL NOTES

STEEL POSTS ARE W6X9 OR W6X8.5.

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

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

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

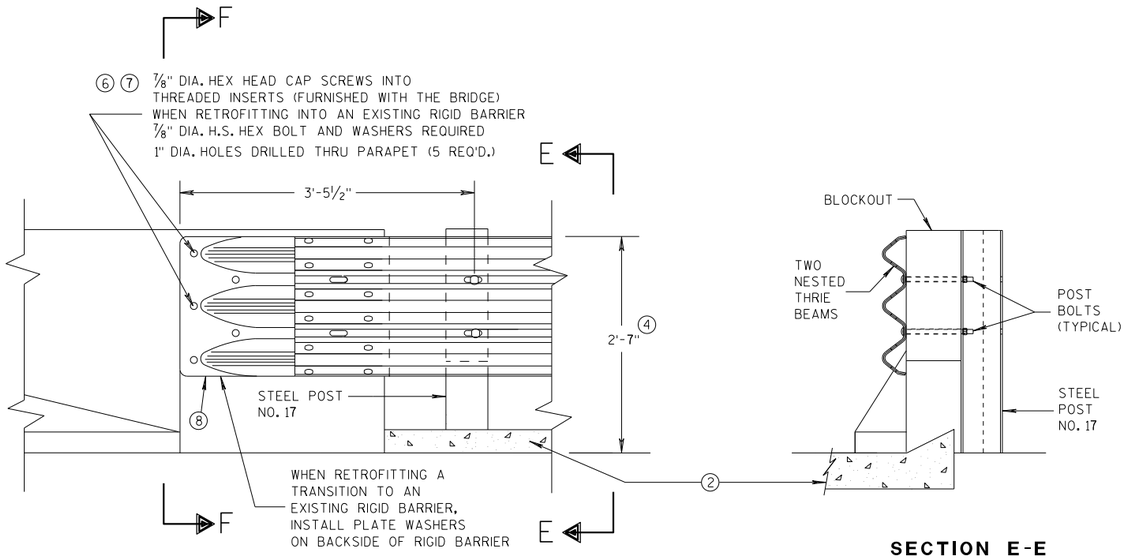
(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD 14B42.

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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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.

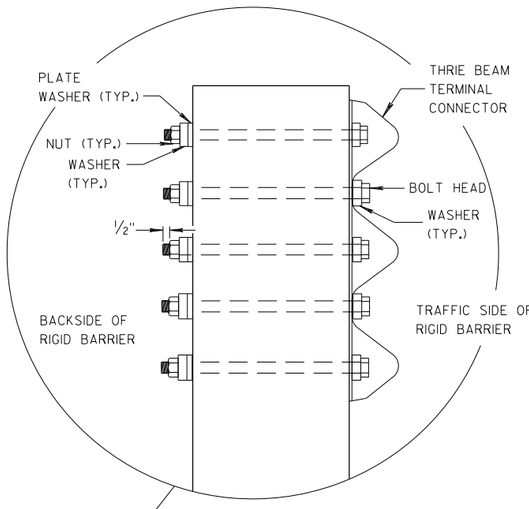
② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

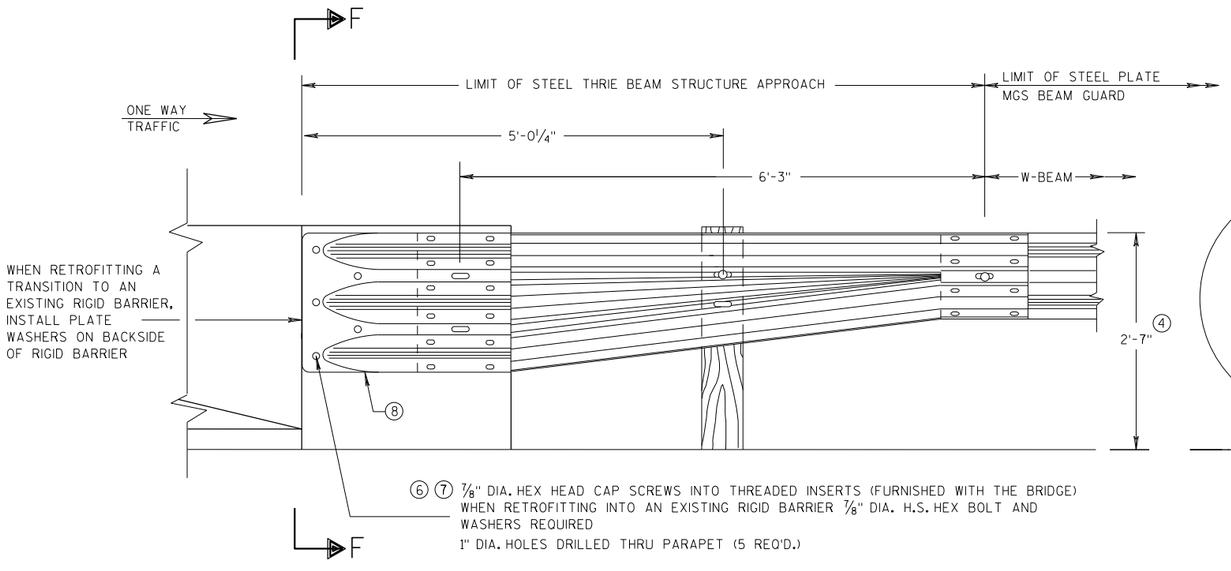
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

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

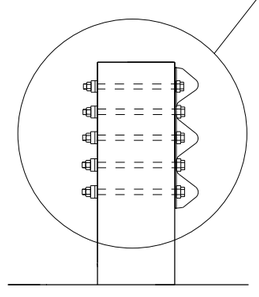
⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. 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".

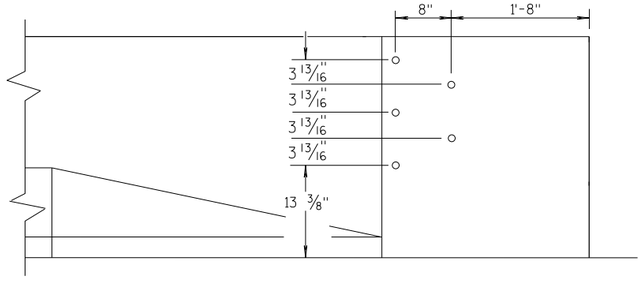




FRONT VIEW



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

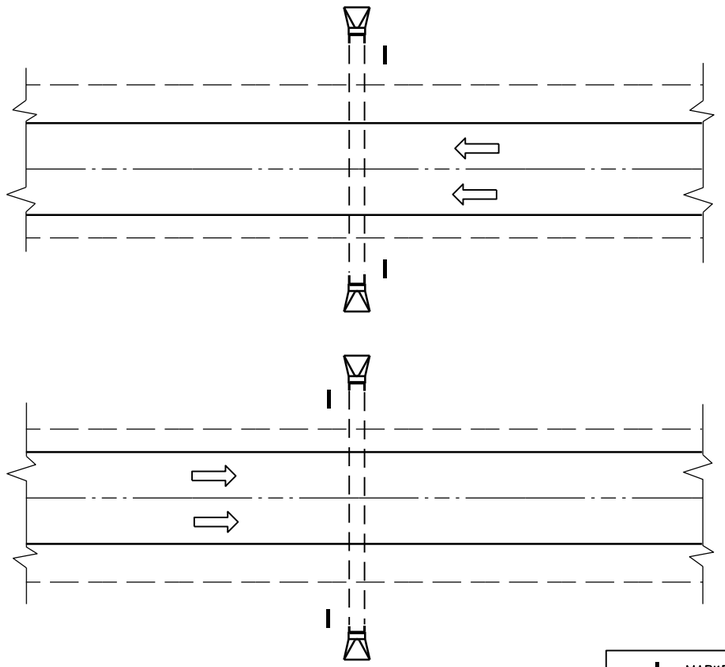
APPROVED
07/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS D UNIT SUPERVI
NT
FHWA

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

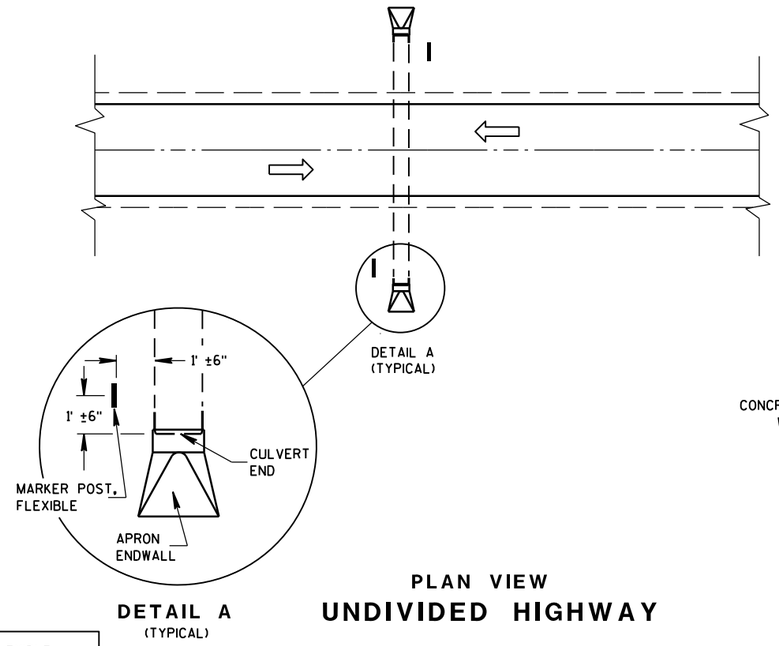
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S.D.D. 14 B 45-5d



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

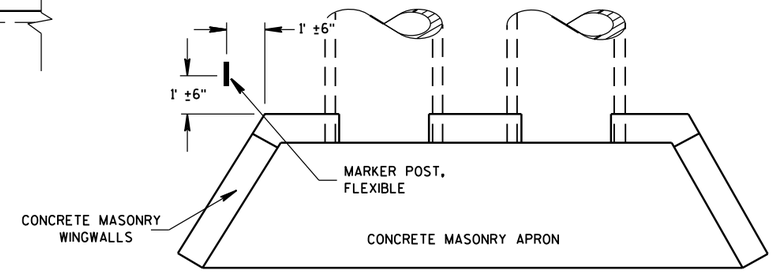
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

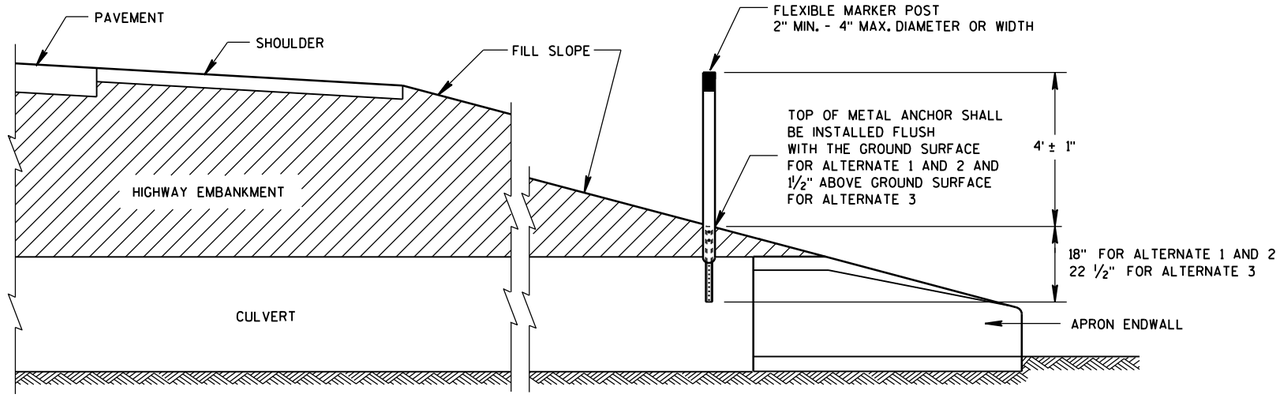
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



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

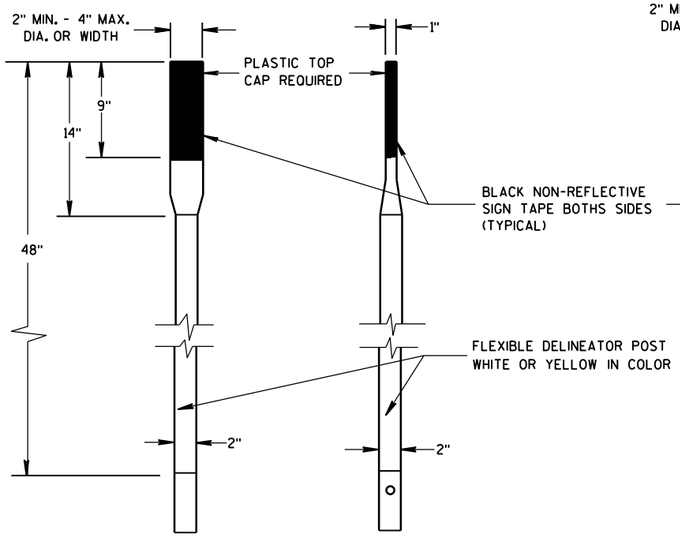
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

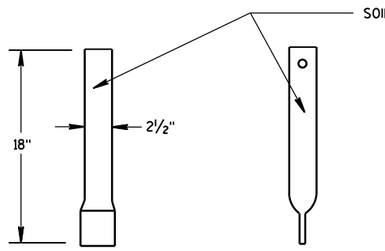
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S.D.D. 15 A 3-2a

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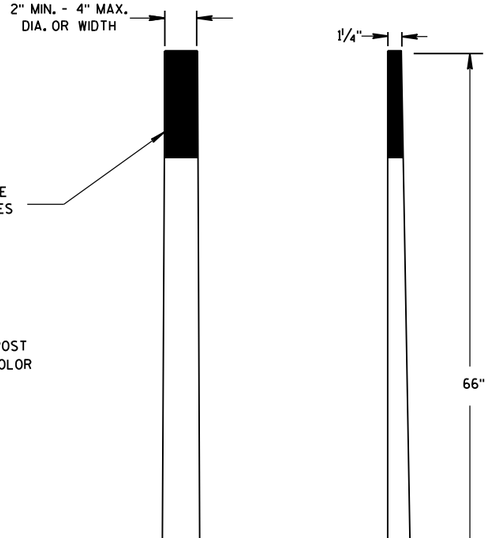
S.D.D. 15 A 3-2a





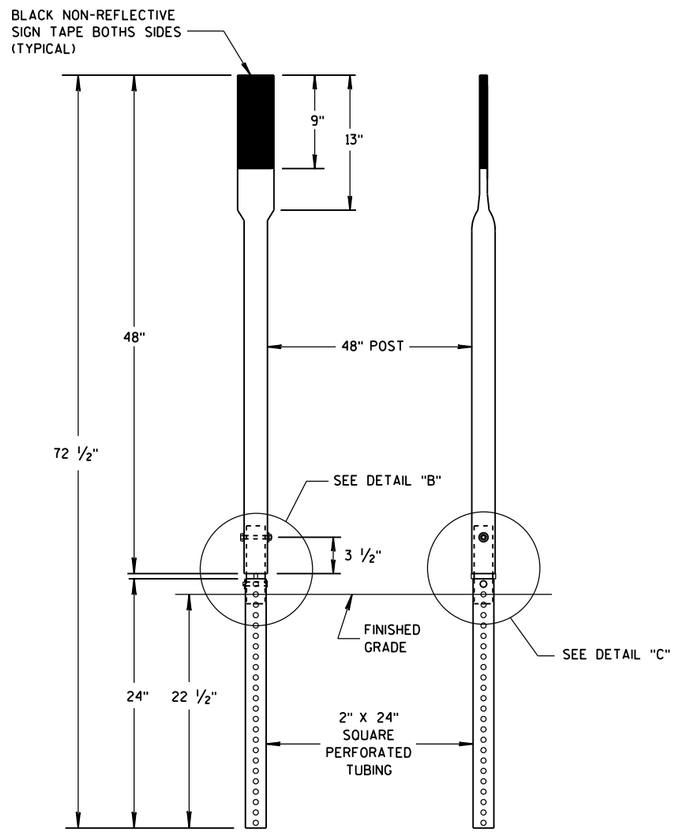
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

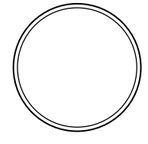
ALTERNATE 2



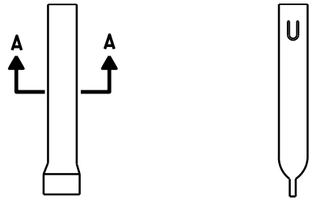
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POSTS

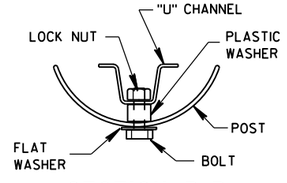


SECTION A-A

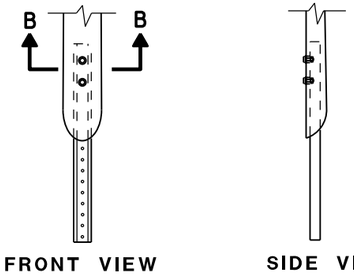


FRONT VIEW SIDE VIEW

ALTERNATE 1

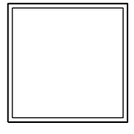


SECTION B-B

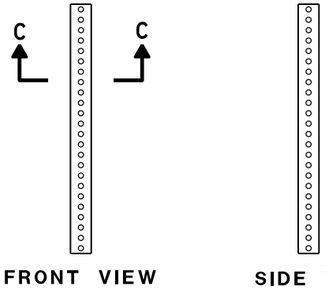


FRONT VIEW SIDE VIEW

ALTERNATE 2



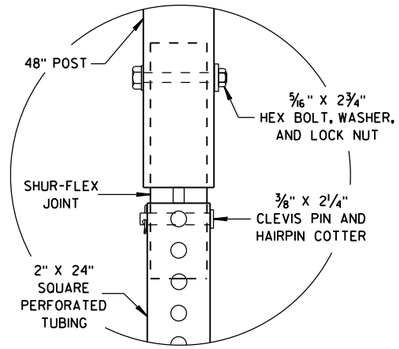
SECTION C-C



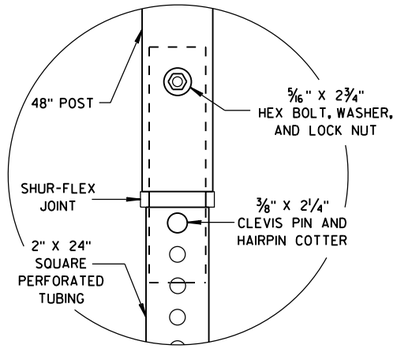
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

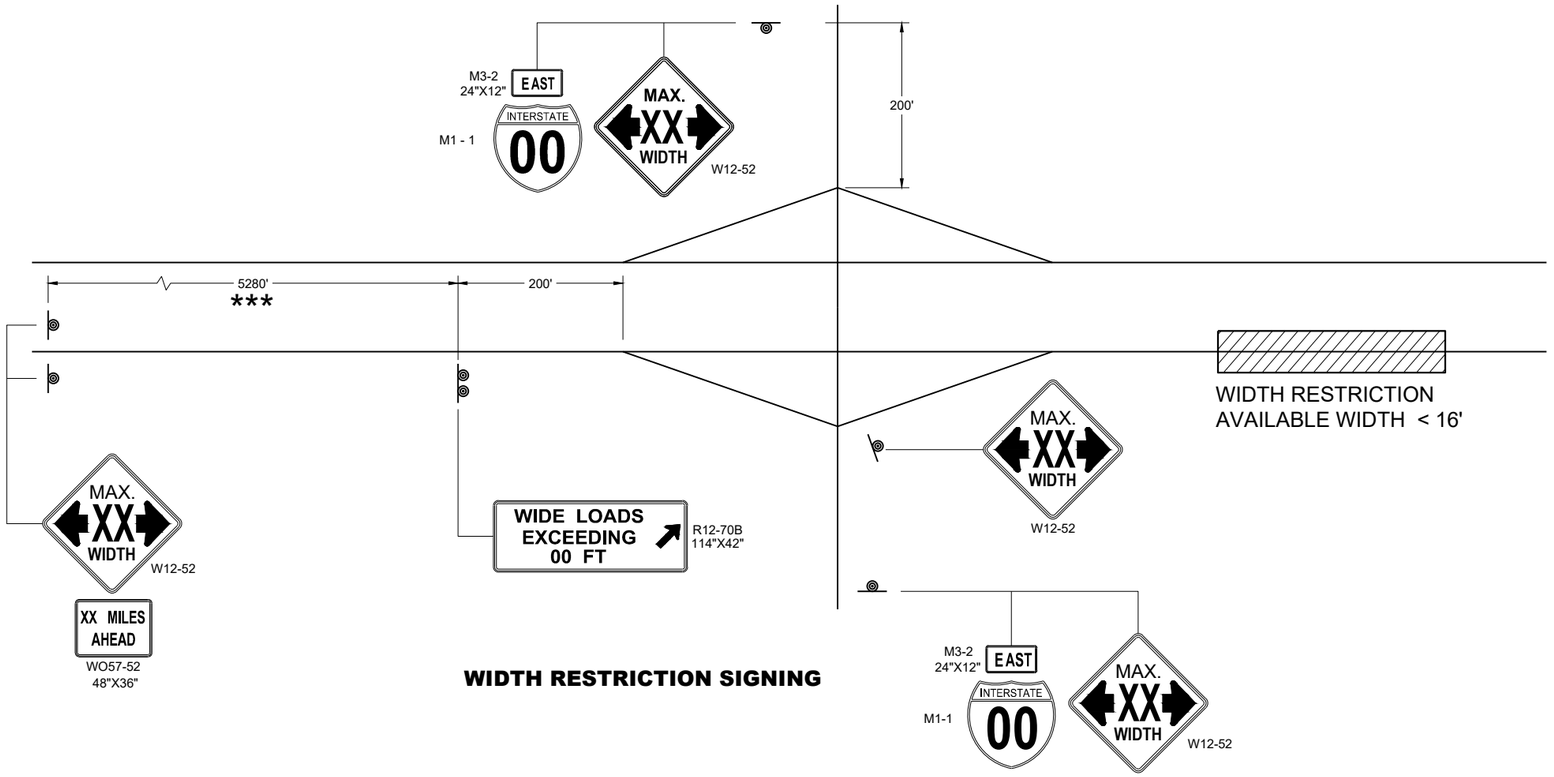
APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

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

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



WIDTH RESTRICTION SIGNING

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.

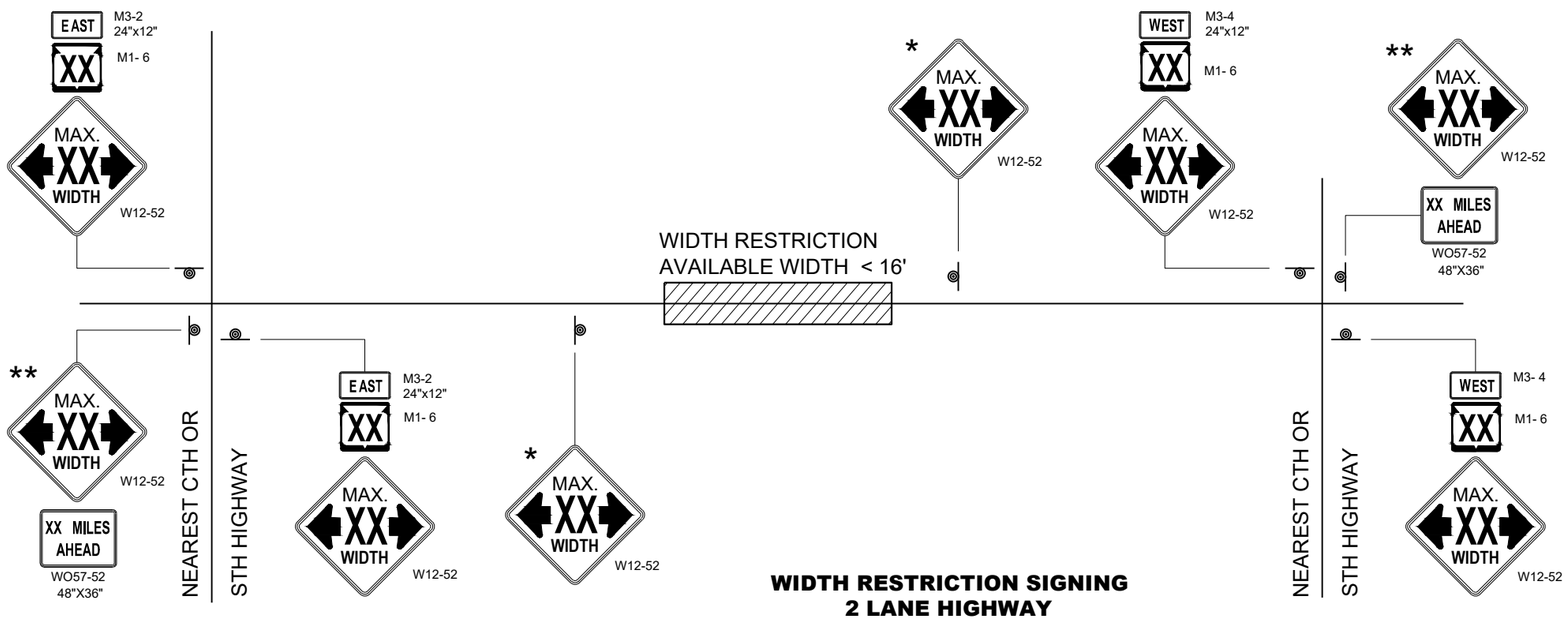
* PLACE 500 FEET AFTER THE W20 - 1A AND 500 FEET BEFORE ADDITIONAL SIGNS FOR ROADWAYS WITH A PRE - CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200 FOOT TYPICAL SPACING.

** 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



WIDTH RESTRICTION SIGNING
2 LANE HIGHWAY

ADVANCED WIDTH RESTRICTION SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

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SDD 15C02-10f

SDD 15C02-10f

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.

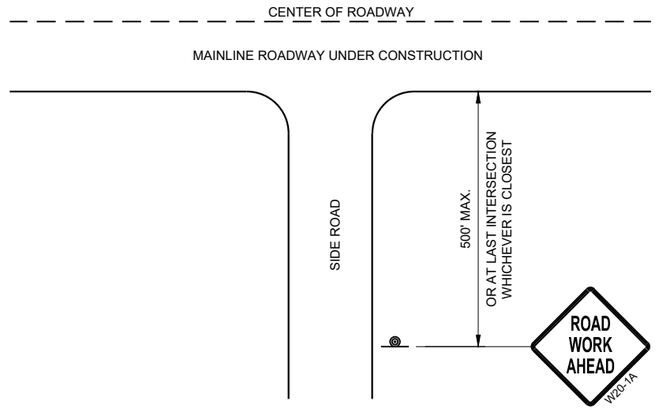
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

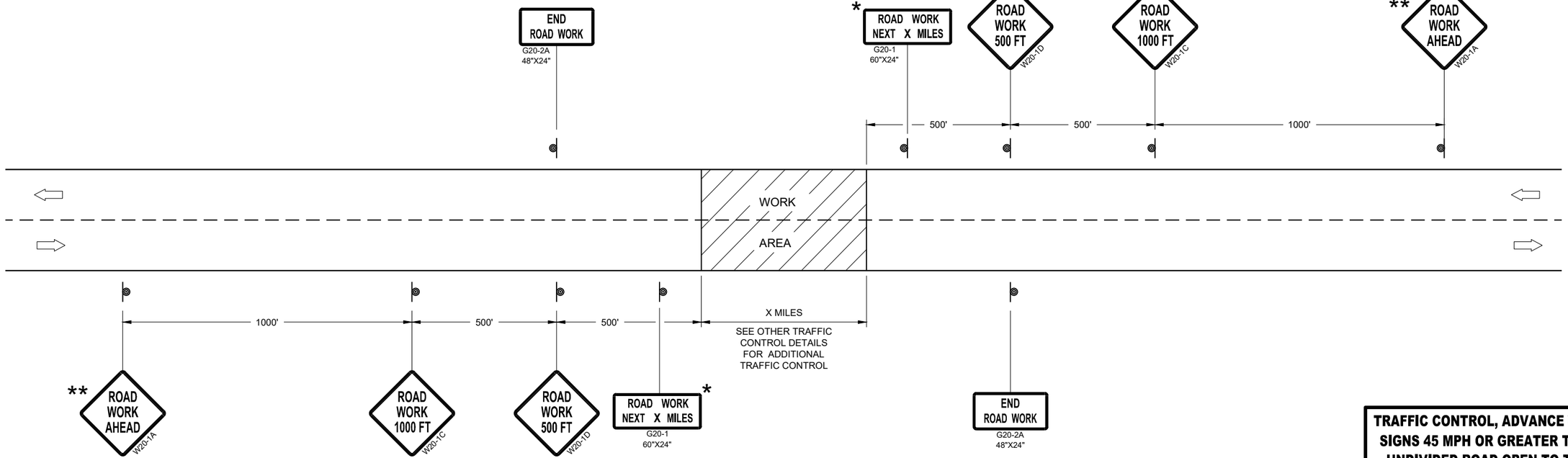
** PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



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

6

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.

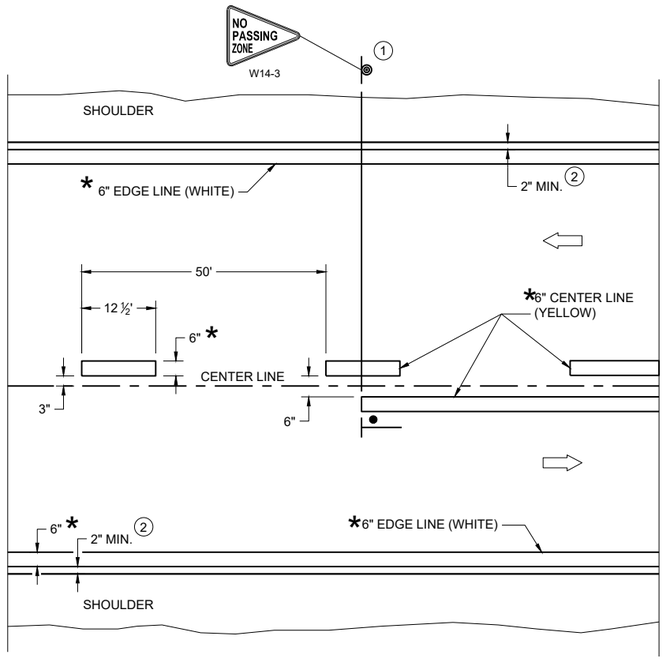
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

LEGEND

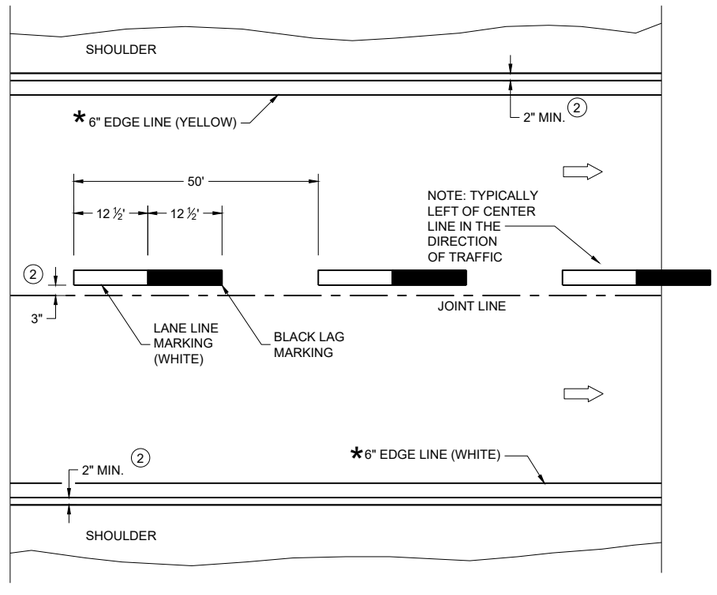
"T" MARKING

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

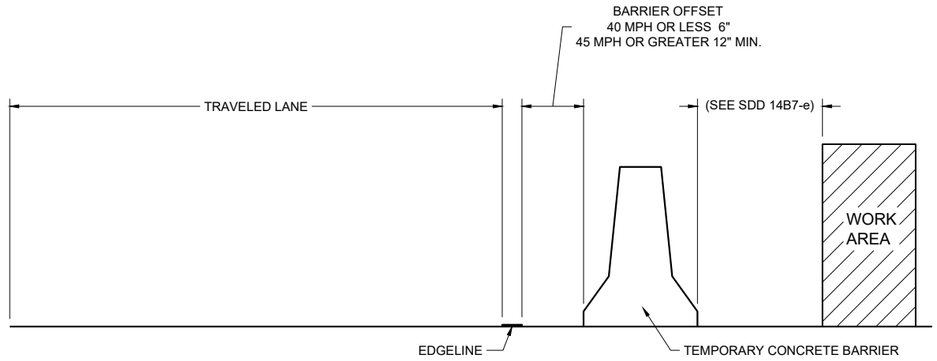
APPROVED
December 2024
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

SDD 15C08-24a

SDD 15C08-24a



TEMPORARY BARRIER OFFSET FROM EDGELINE

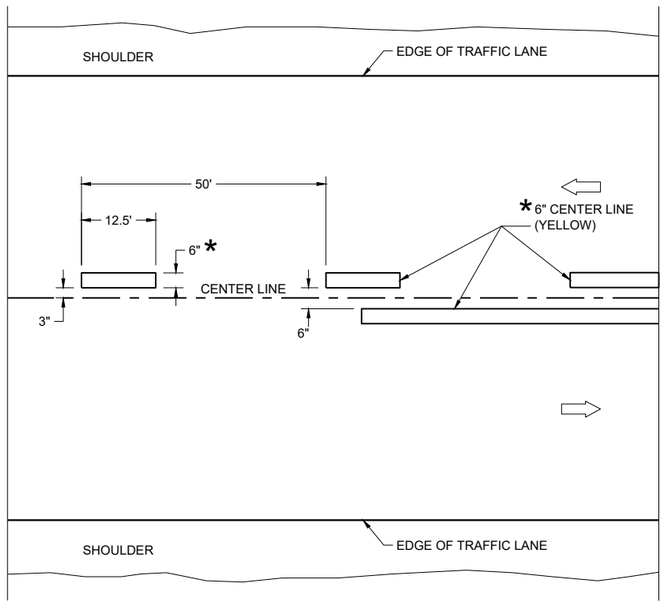
GENERAL NOTES

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

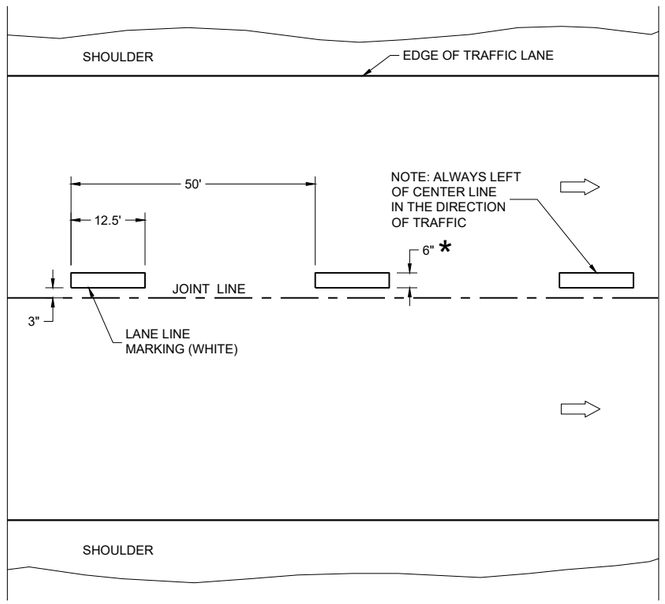
LEGEND

DIRECTION OF TRAFFIC

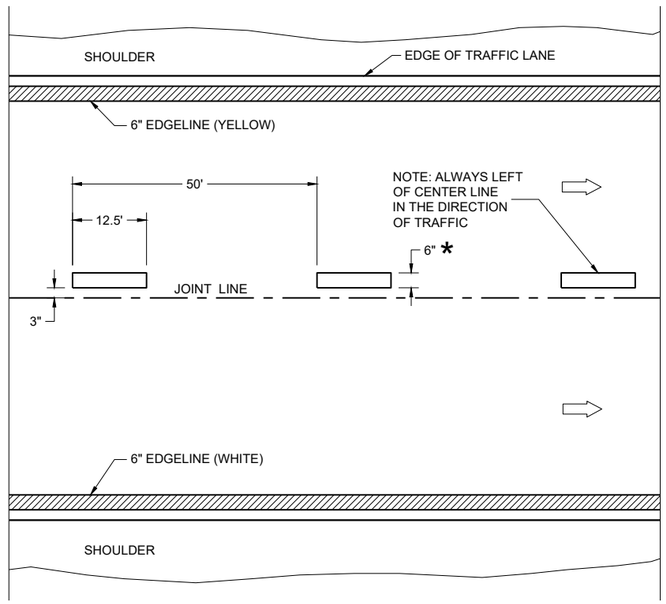
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



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

6

SDD 15C08-24b

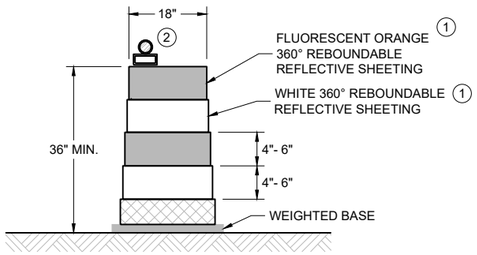
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SDD 15C08-24b

GENERAL NOTES

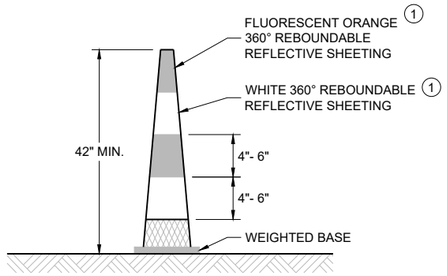
(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

(2) LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

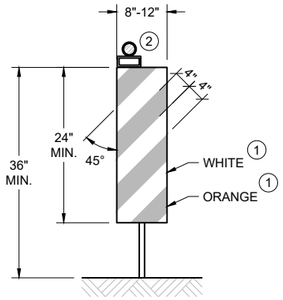
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

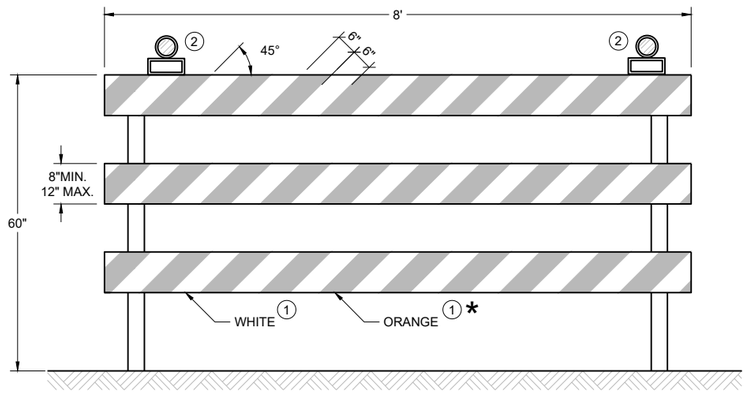
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2026 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

6
SDD 15C11-11b

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.

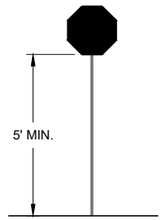
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

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

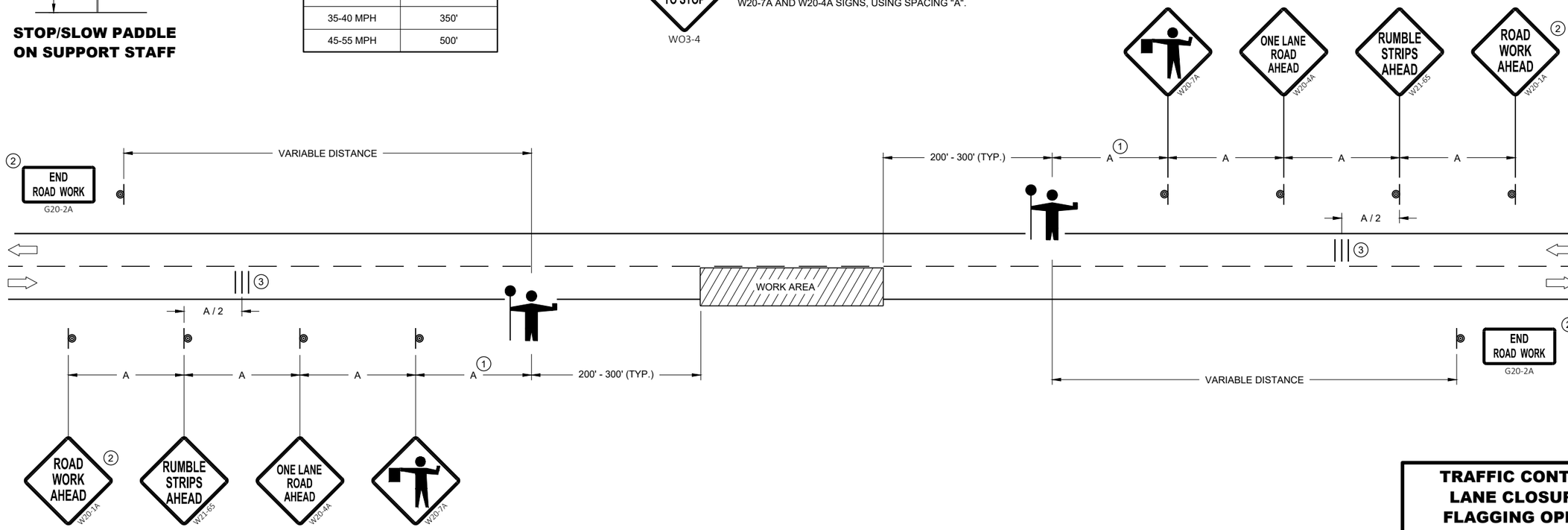
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

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

SDD 15C12 - 09a

SDD 15C12 - 09a

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.

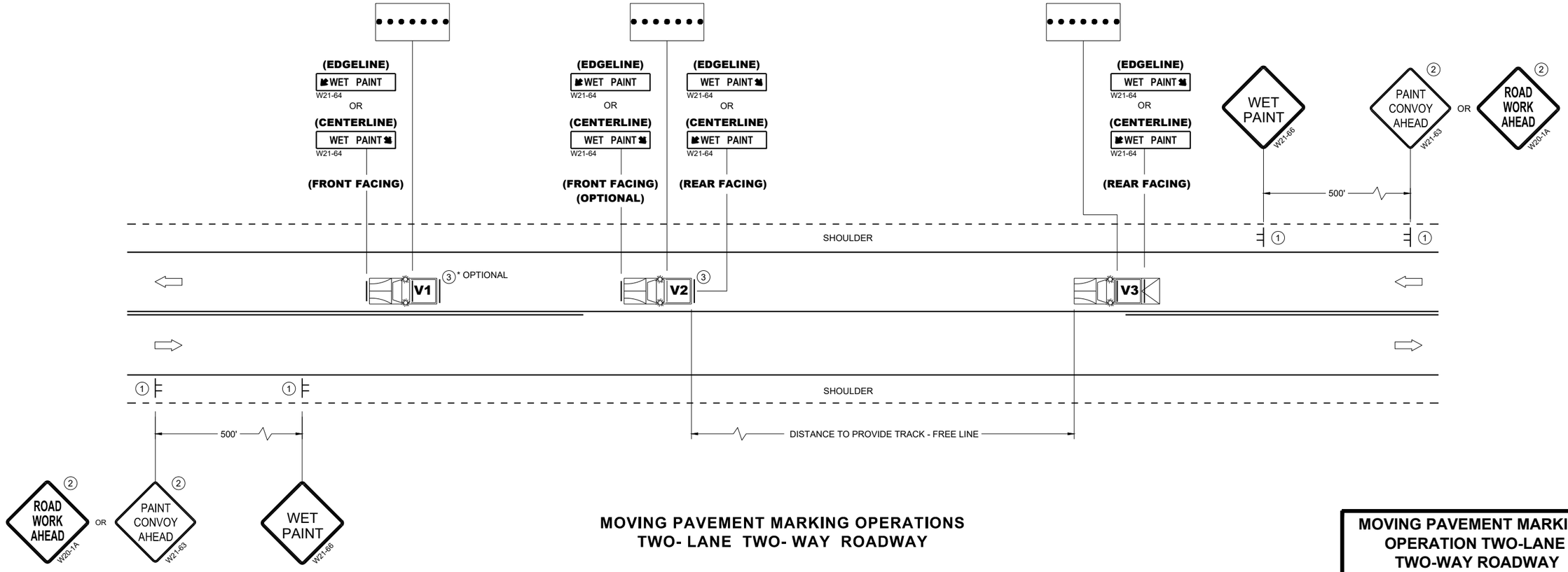
CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

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

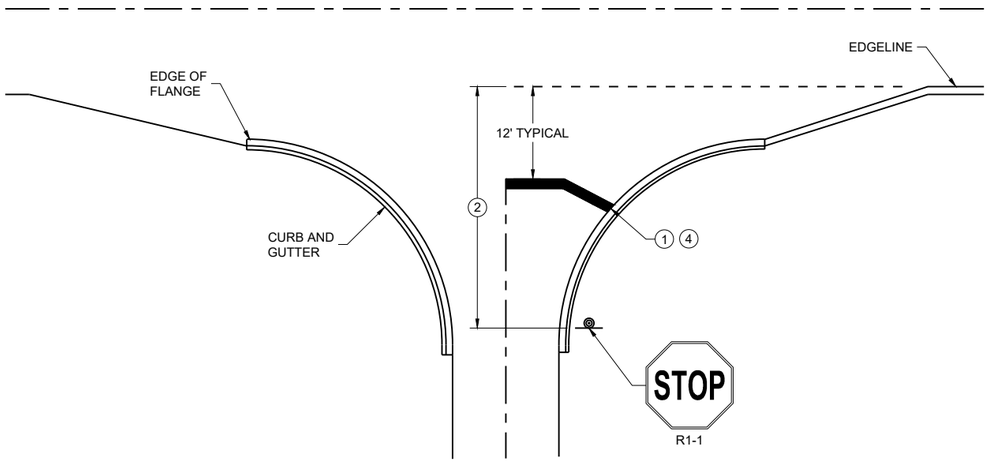
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SDD 15C19-11a

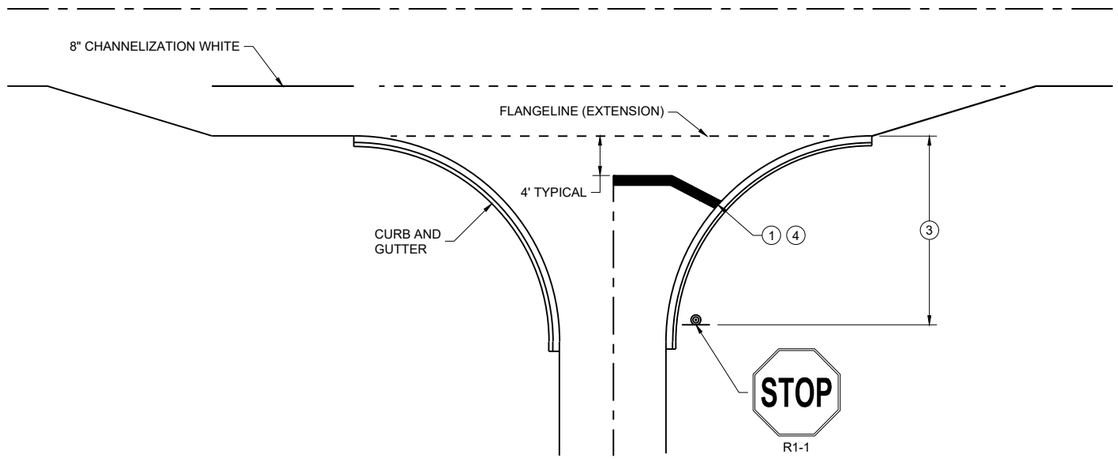
GENERAL NOTES

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

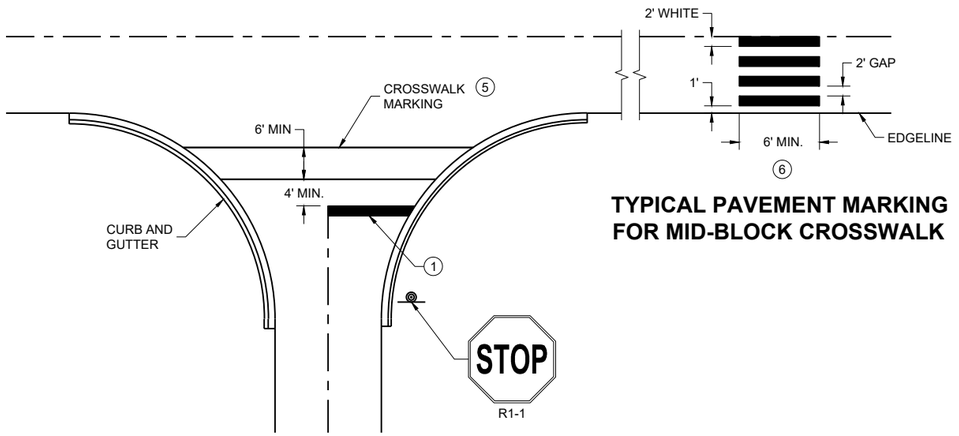
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGE LINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES.
6. POSTED SPEED LIMITS OF 40 MPH OR GREATER USE A MINIMUM WIDTH OF 8' FOR MIDBLOCK CROSSWALKS



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

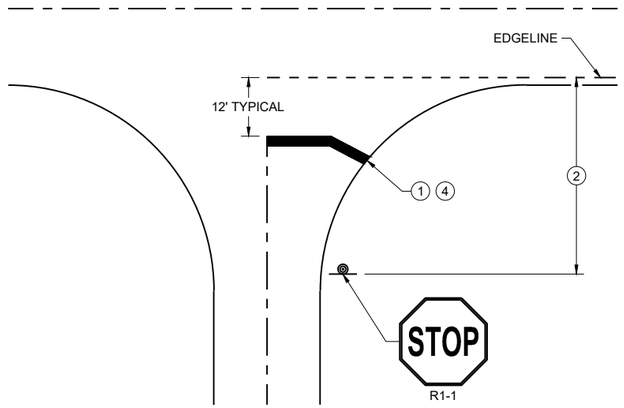


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

March 2024 — DATE

/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

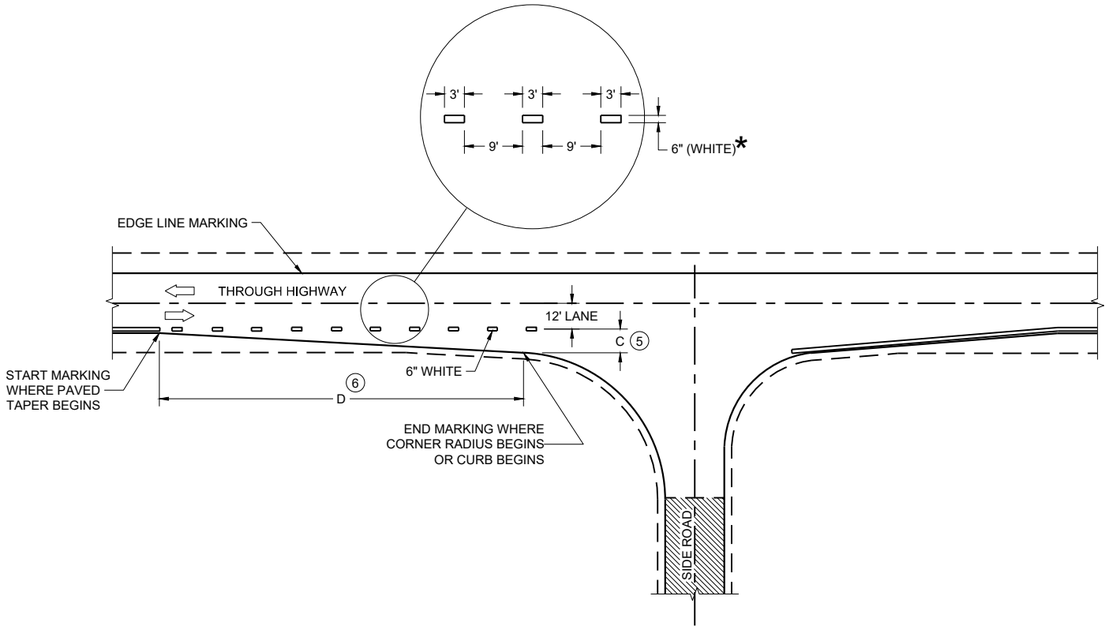
FHWA

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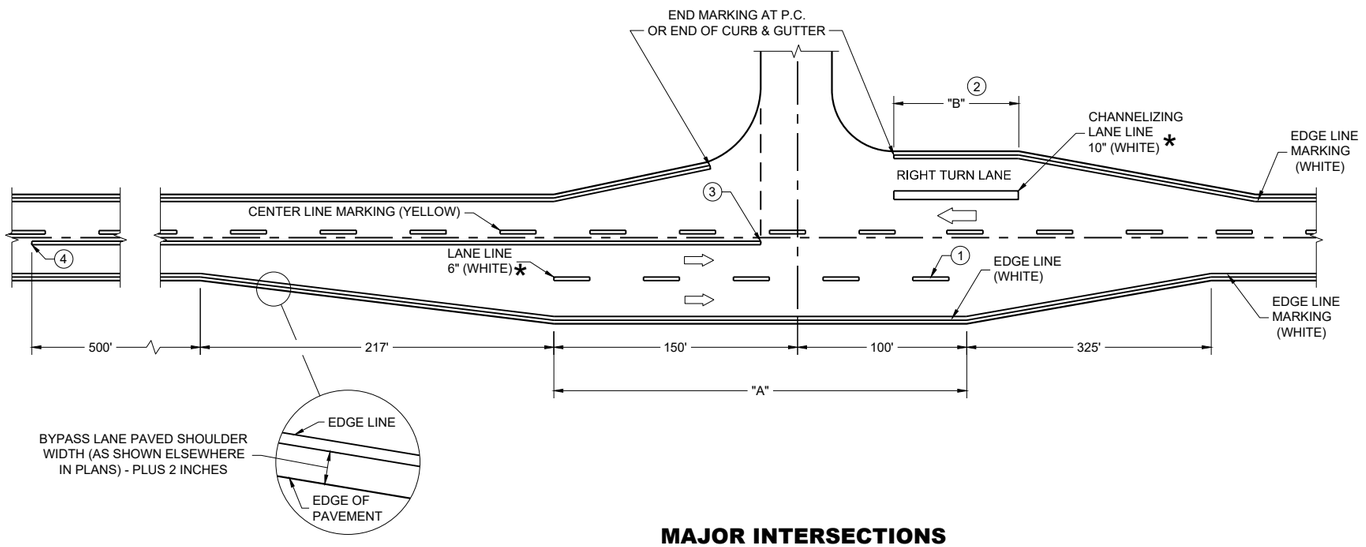
SDD 15C33-05

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SDD 15C33-05



MINOR INTERSECTION



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

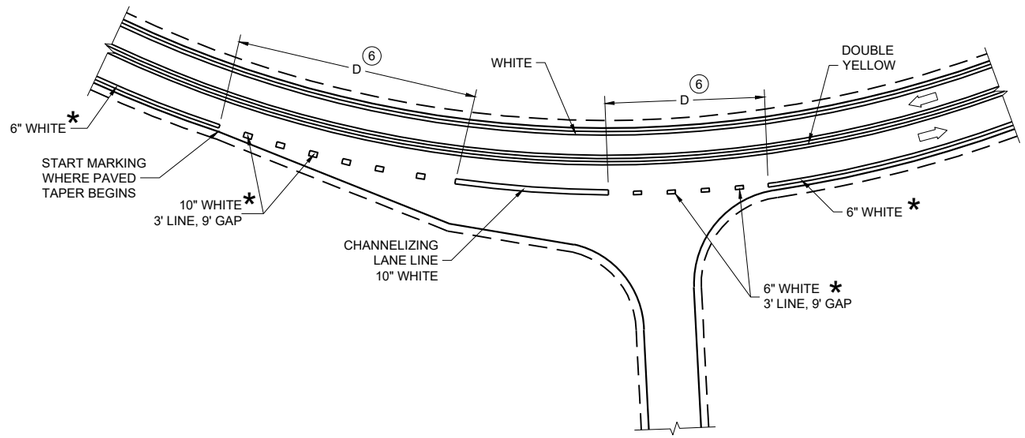
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
5. WHEN DISTANCE "C" IS LESS THAN 4 FEET, OMIT DOTTED EXTENSION.
6. WHEN DISTANCE "D" IS LESS THAN 50 FEET, OMIT DOTTED EXTENSION.

LEGEND

DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE

PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

- SIGN ON PERMANENT SUPPORT
- DELINEATOR, FLEXIBLE/TUBULAR MARKER
- DIRECTION OF TRAFFIC

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS.

A SINGLE ROW OF FLEXIBLE TUBULAR MARKERS ON CENTERLINE EXTEND FOR THE ENTIRE LENGTH OF TWO-WAY TRAFFIC AT 50 FOOT SPACING.

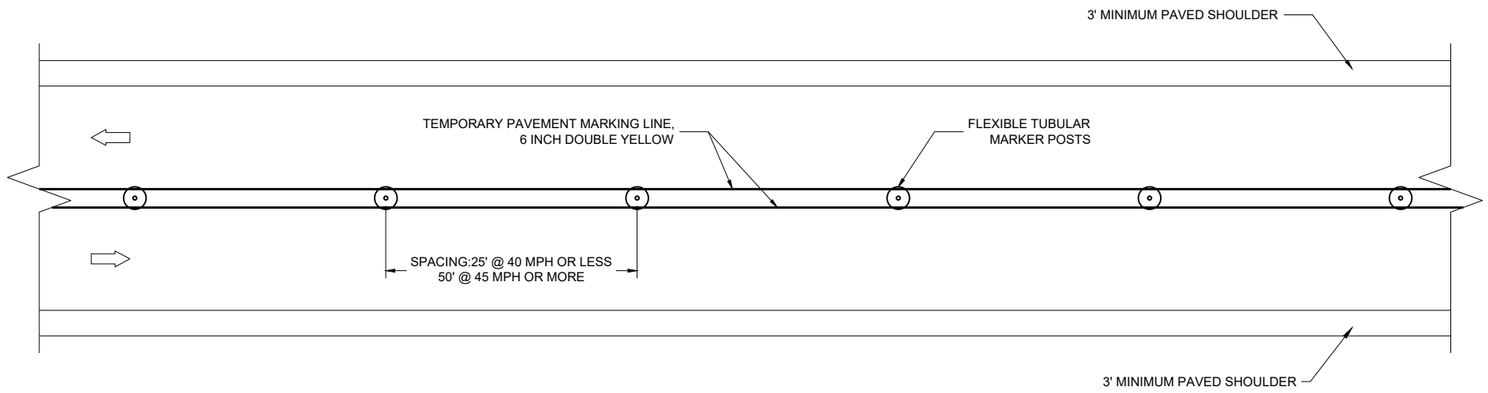
COVER EXISTING CENTERLINE STRIPE WITH TEMPORARY PAVEMENT MARKING LINE, 6 INCH DOUBLE YELLOW.

PARTIAL NUMBERS ON SIGNS SHALL BE DISPLAYED AS A WHOLE NUMBER(AS NEEDED) FOLLOWED BY A FRACTION. SIGNS SHALL NOT DISPLAY NUMBERS IN DECIMAL FORM.





1. THE WO6-3 AND WO57-51 SHALL BE LOCATED 200 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP AND / OR 500 FEET BEYOND ANY SIDE ROAD. THE R4-1 SHALL BE LOCATED 1000 FEET BEYOND THE WO6-3 AND THE WO57-51 AND THE SIGNS SHALL BE ALTERNATED WITH ONE MILE INTERVALS BETWEEN THE SIGNS.
2. CONVENTIONAL: 24" X 30"
   FREEWAY AND EXPRESSWAY: 36" X 48"



TWO LANE, TWO WAY OPERATION

6

SDD 15D06-07

TRAFFIC CONTROL
TWO LANE TWO WAY
OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

6

SDD 15D06-07

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET
0-30	200'
35-40	350'
45-55	500'

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

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

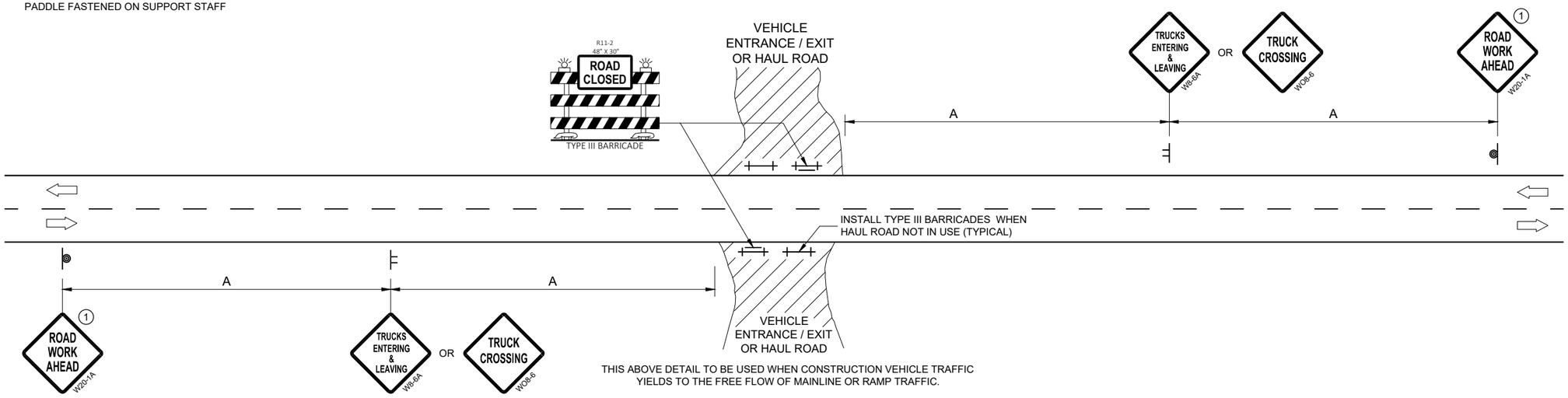
WARNING SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

WHEN ACTIVITY REFLECTED BY THE SIGN IS NOT CURRENTLY TAKING PLACE, THE HIGHWAY SHALL BE RESTORED TO NORMAL CONDITION AND THE SIGNS SHALL BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC.

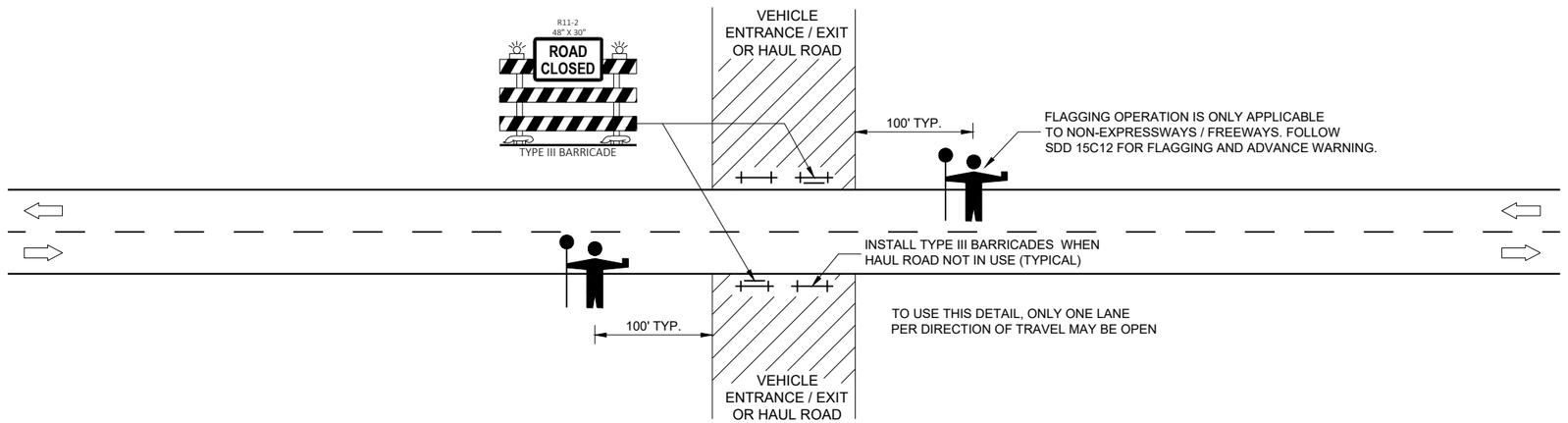
WHEN A SIDE ROAD OR RAMP INTERSECTS WITHIN THE ADVANCE SIGNING AREA, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND / OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

PLACE SIGNS ON BOTH SIDES IF USED ON DIVIDED HIGHWAY.

(1) THESE SIGNS ARE TO BE USED ONLY WHEN VEHICLE ENTRANCE / EXIT CONDITIONS ARE SEPARATED BY MORE THAN TWO MILES FROM PREVIOUS WORK AREA OR SIGNING OR AS DIRECTED BY THE ENGINEER.



THIS ABOVE DETAIL TO BE USED WHEN CONSTRUCTION VEHICLE TRAFFIC YIELDS TO THE FREE FLOW OF MAINLINE OR RAMP TRAFFIC.



TO USE THIS DETAIL, ONLY ONE LANE PER DIRECTION OF TRAVEL MAY BE OPEN

THIS DETAIL TO BE USED WHEN CONSTRUCTION WORK INCLUDING TRUCKING ACTIVITY REQUIRES MAINLINE TRAFFIC TO BE TEMPORARILY STOPPED IN ONE OR BOTH DIRECTIONS. DELAY TO HIGHWAY TRAFFIC SHALL BE MINIMIZED.

TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE

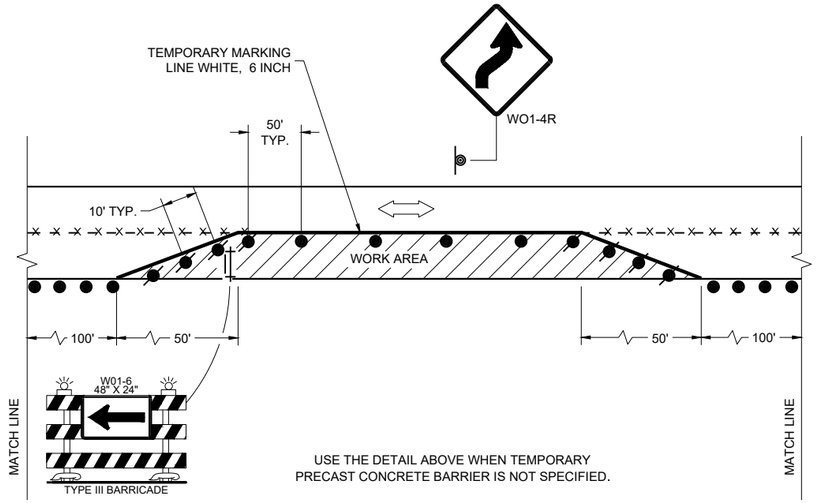
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6
SDD 15D29 - 06

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLAGS, 16" X 16" MIN. (ORANGE)
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- ASPHALTIC PAVEMENT WIDENING
- CONCRETE BARRIER TEMPORARY PRECAST
- TEMPORARY SIGNAL. SEE SDD 09G02 FOR EXACT PLACEMENT



USE THE DETAIL ABOVE WHEN TEMPORARY PRECAST CONCRETE BARRIER IS NOT SPECIFIED.

GENERAL NOTES

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE..

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48" x 48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

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

REMOVE PAVEMENT MARKING AND PLACE TEMPORARY PAVEMENT MARKING LINES IF THE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

INSTALL OVERHEAD TEMPORARY SIGNAL HEADS ABOVE THE MIDDLE OF THE TRAVEL LANE THEY ARE CONTROLLING.

(1) 500 FOOT SPACING SHOWN IS FOR ROADWAYS WITH A PRE-CONSTRUCTION REGULATORY 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.

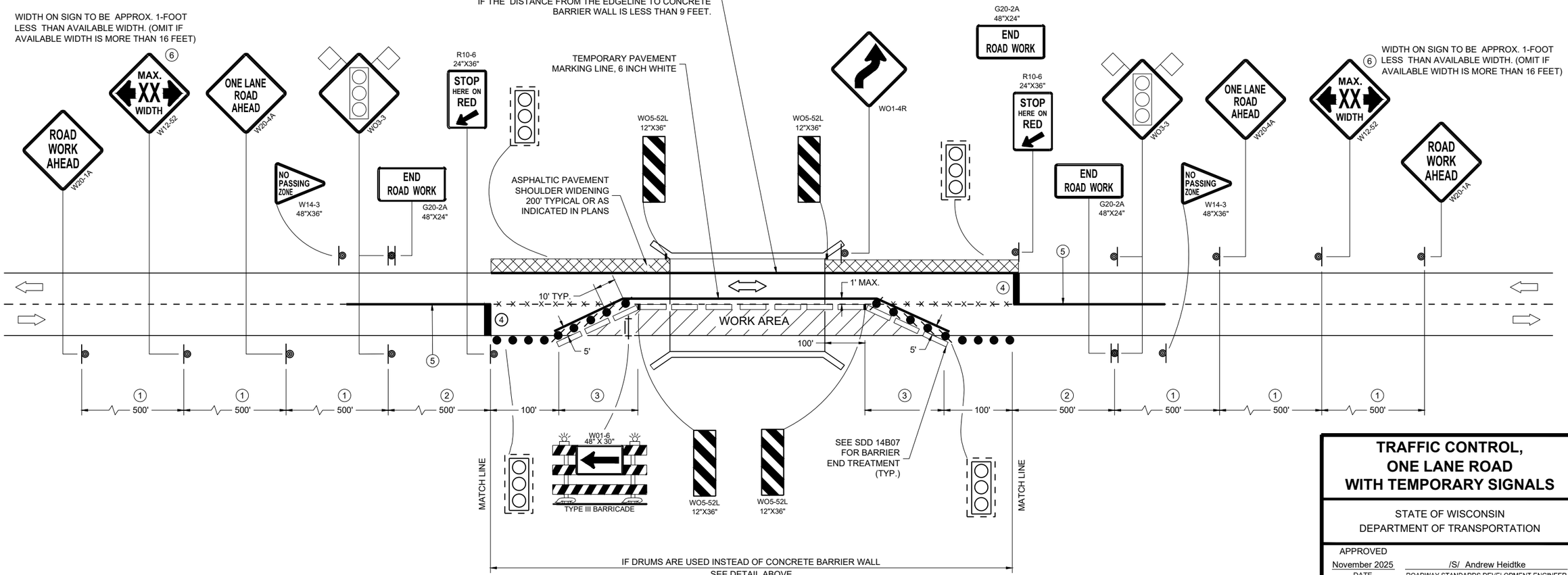
(2) USE 300 FOOT SPACING IF THE PRE - CONSTRUCTION REGULATORY SPEED IS 35 MPH OR LESS.

(3) DIMENSION DETERMINED BY CBTP TAPER FROM EDGE LINE TO TANGENT SECTION OF THE ROAD.

(4) TEMPORARY PAVEMENT MARKING LINE, 18 INCH WHITE STOP LINE.

(5) 700 FOOT TEMPORARY PAVEMENT MARKING LINE, 6 INCH DOUBLE YELLOW . WHEN THE DISTANCE FOR THE PRECEDING NO - PASSING ZONE IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES AS INDICATED IN THE SPECIFICATIONS, THE TWO ZONES SHALL BE CONNECTED.

(6) SEE SDD 15C02 - SHEET "F" FOR ADVANCED WIDTH RESTRICTION SIGNING.



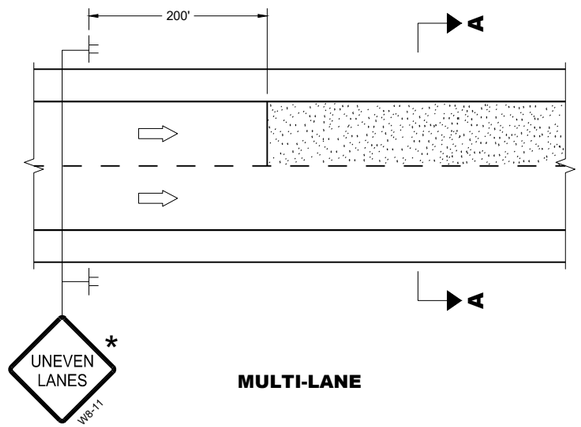
TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

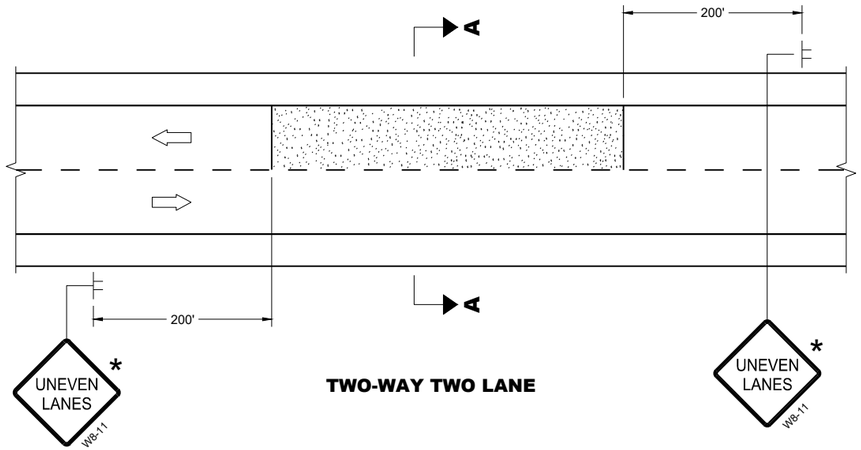
APPROVED
November 2025 — DATE
/S/ Andrew Heidtke — ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

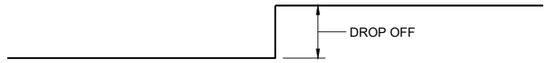
6
SDD 15D33-10a



MULTI-LANE

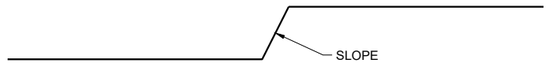


TWO-WAY TWO LANE

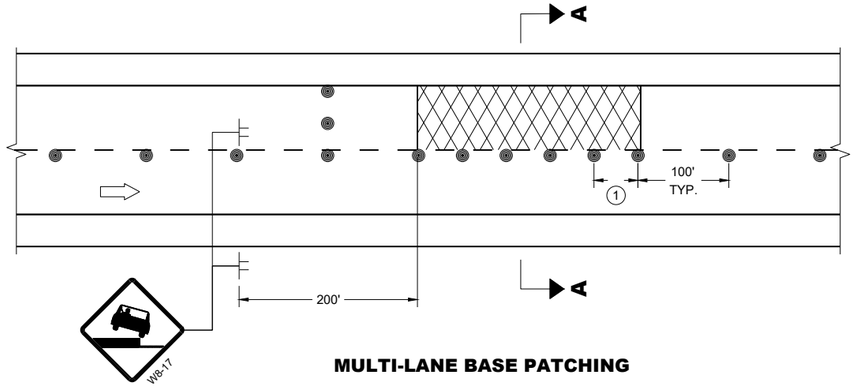


SECTION A - A

OR



SECTION A - A



MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS

GENERAL NOTES

FOR SPOT LOCATIONS USE ENGINEERING JUDGEMENT WHEN PLACING ADDITIONAL SIGNS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

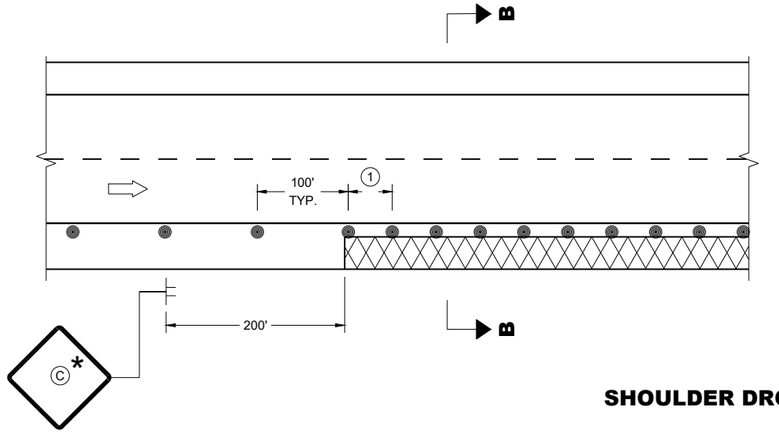
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* IF THE DROP-OFF IS CONTINUOUS ALONG THE PROJECT, PLACE ADDITIONAL SIGNS EVERY 1 MILE AND AFTER EVERY ENTRANCE RAMP.

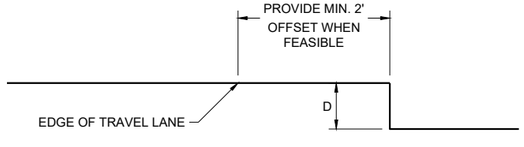
(1) USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA WITH DROP-OFF
- MILLED SURFACE



SHOULDER DROP-OFFS



SECTION B - B

D	SIGN (C)
< 2" WITH A SLOPE STEEPER THAN 3:1	LOW SHOULDER WO8-9
2" < 6" WITH A SLOPE STEEPER THAN 3:1	SHOULDER DROP - OFF W8-9A
	PROVIDE A 3:1 OR FLATTER SLOPE OF MATERIAL ADJACENT TO THE PAVEMENT

TRAFFIC CONTROL, DROP-OFF SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

6
SDD 15D39-03

GENERAL NOTES

DRAWING NOT TO SCALE. ALL SIGNS AND POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM. ALL SIDE ROADS WHICH ARE UNDER CONSTRUCTION OF CURB AND GUTTER AND/OR GRADING SHALL BE ADEQUATELY SIGNED.

ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNS IN THE VICINITY, SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

SEE 15C34 FOR ADDITIONAL TRAFFIC CONTROL SIGNING WHEN CENTERLINE PAVEMENT MAKINGS ARE MISSING. 'DO NOT PASS' SIGNS MUST BE INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

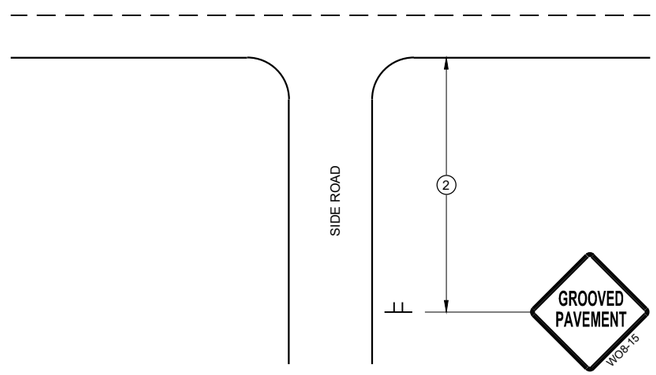
(1) PLACE SIGNS 350' IN ADVANCE OF MILLED SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

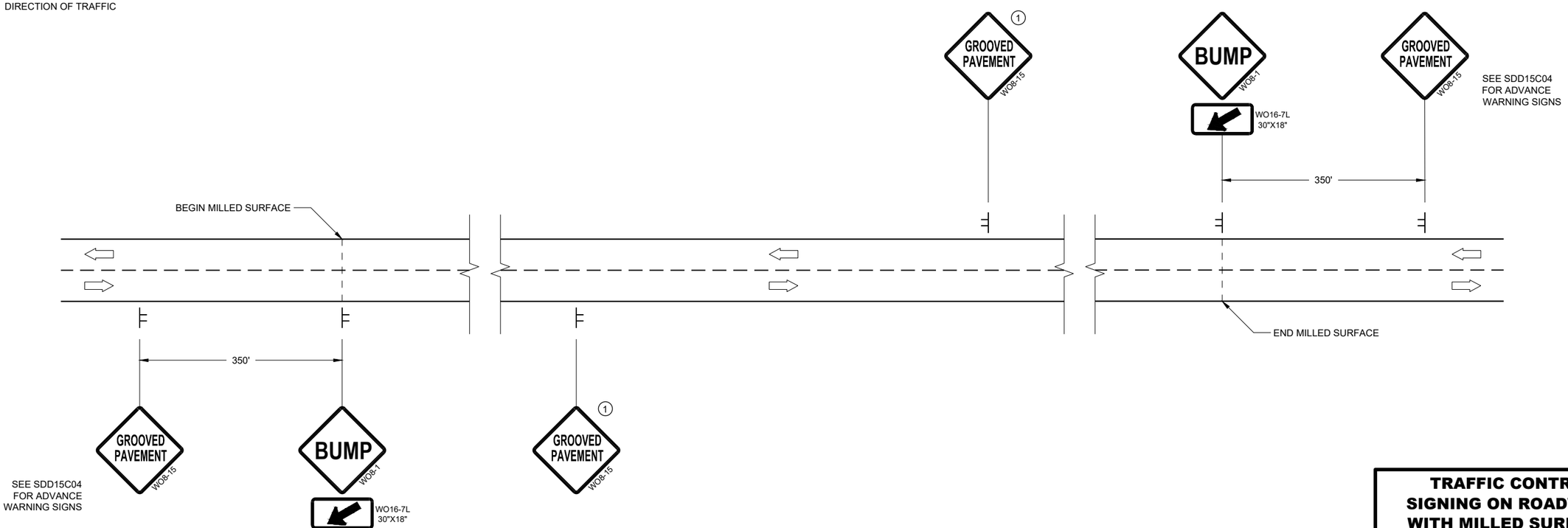
LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH SIGN DETAIL



DETAIL FOR SIGNING ON MILLED SURFACES

TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

SDD 15D44 - 02

SDD 15D44 - 02

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.

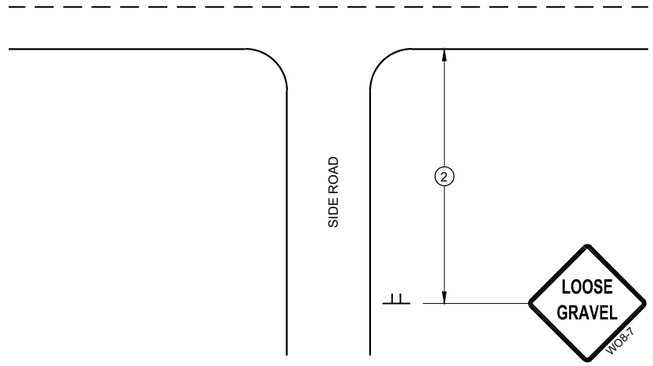
(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

(3) ADD WO8-1 OR WO8-2 SIGN WHEN THE CONDITION IS PRESENT.

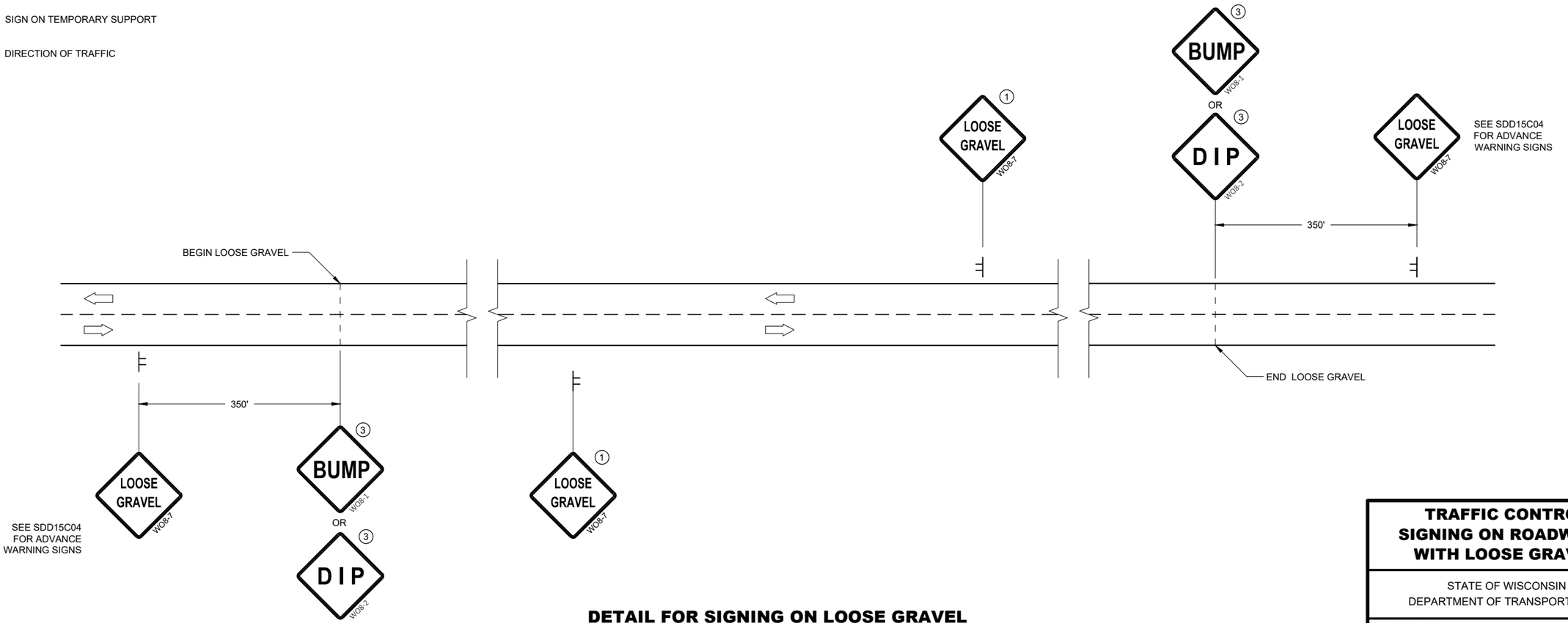
LEGEND

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

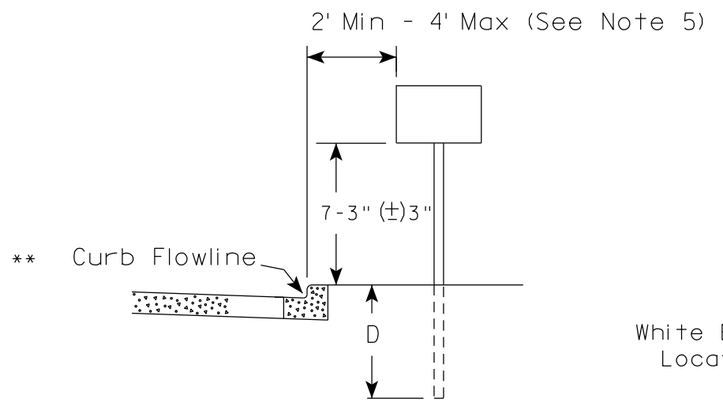
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

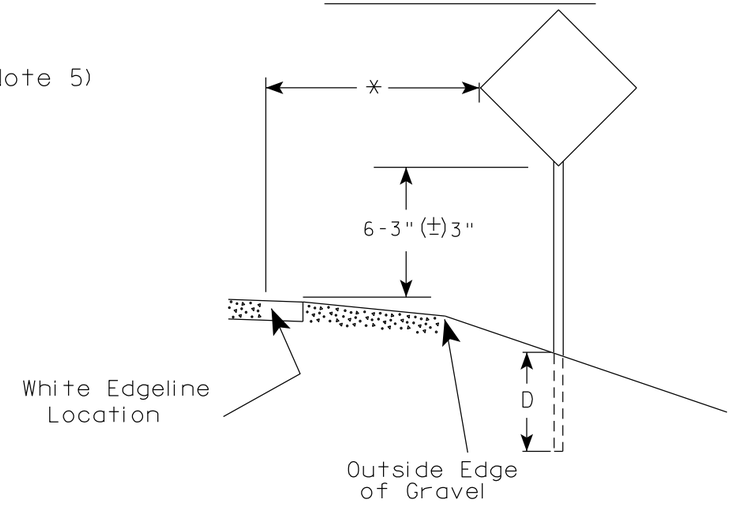
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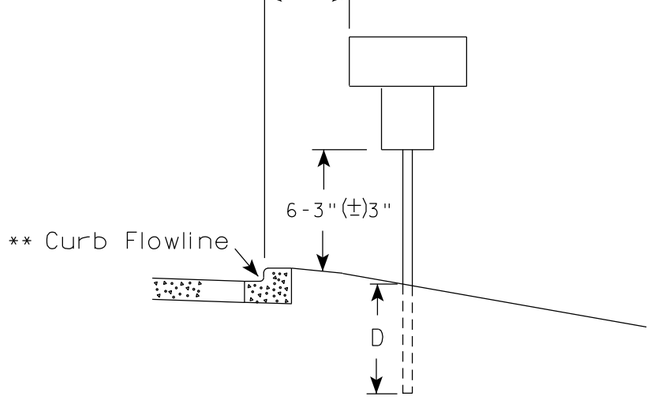
SDD 15D45 - 03

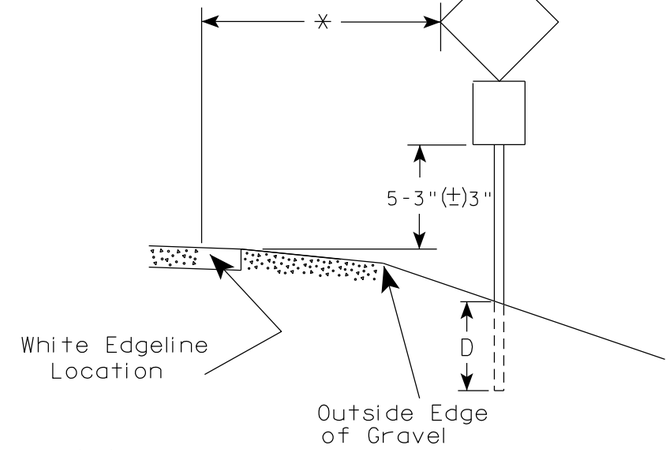
URBAN AREA



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.

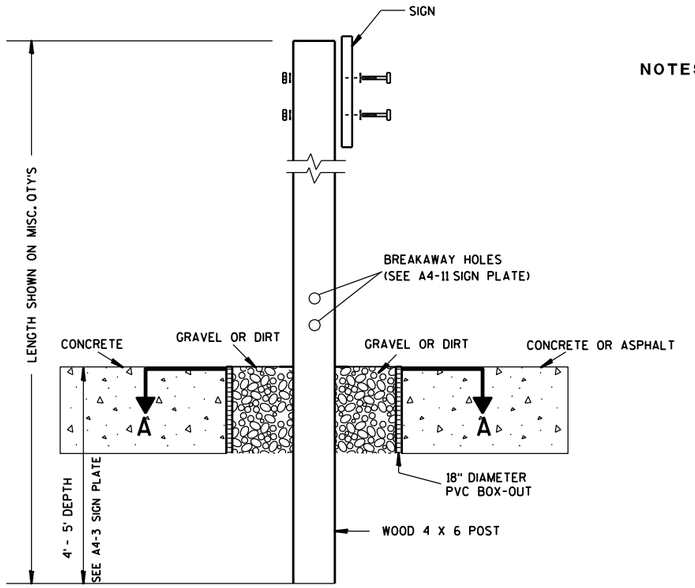
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

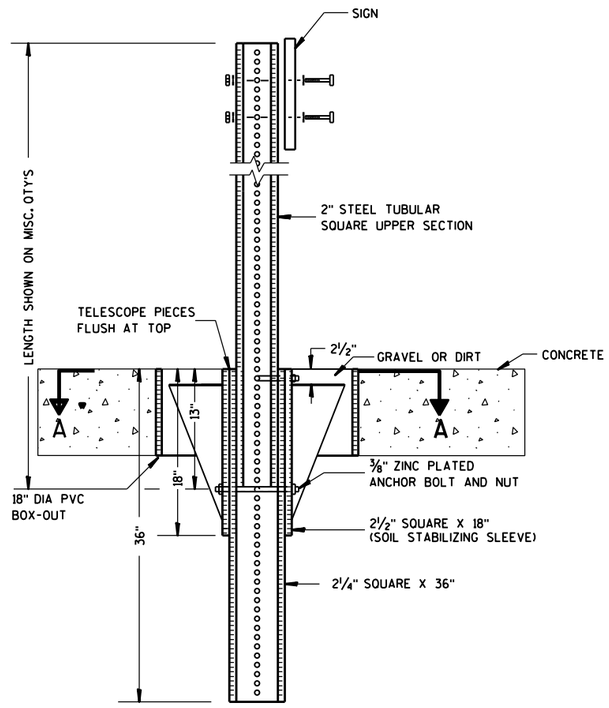
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 112	E



ELEVATION VIEW

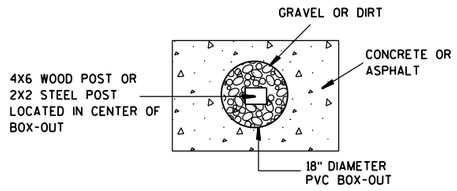
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

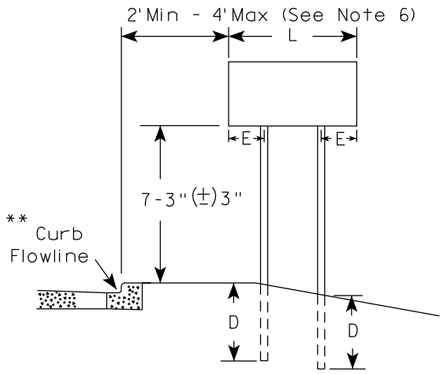
APPROVED Matthew R Rauch
for State Traffic Engineer

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

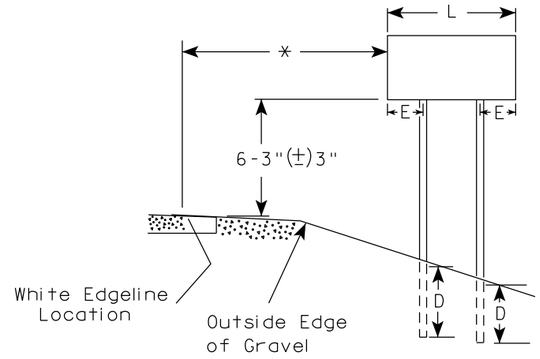
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

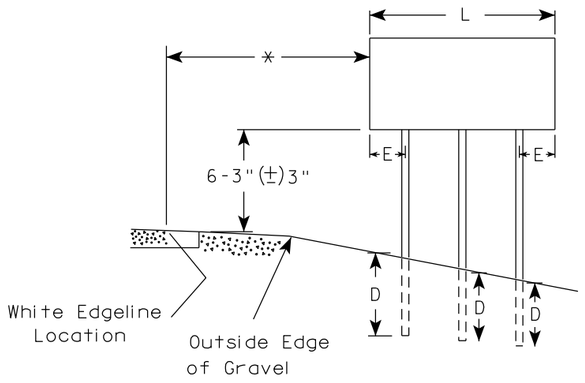
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

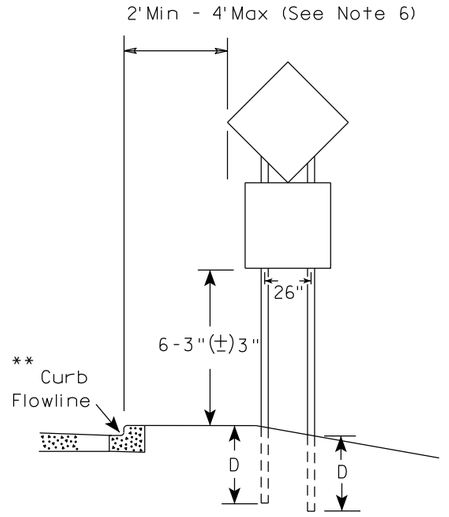
URBAN AREA



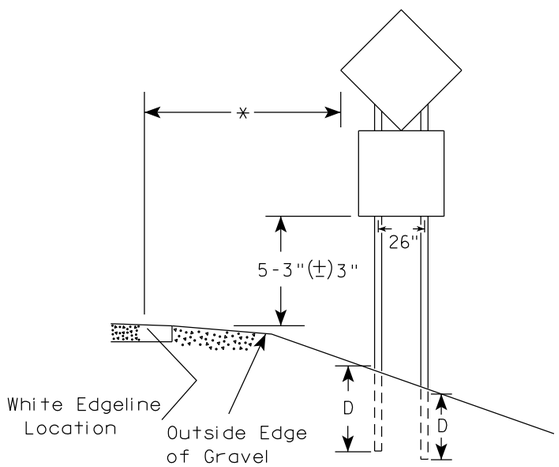
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

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

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

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

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

POST EMBEDMENT DEPTH

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

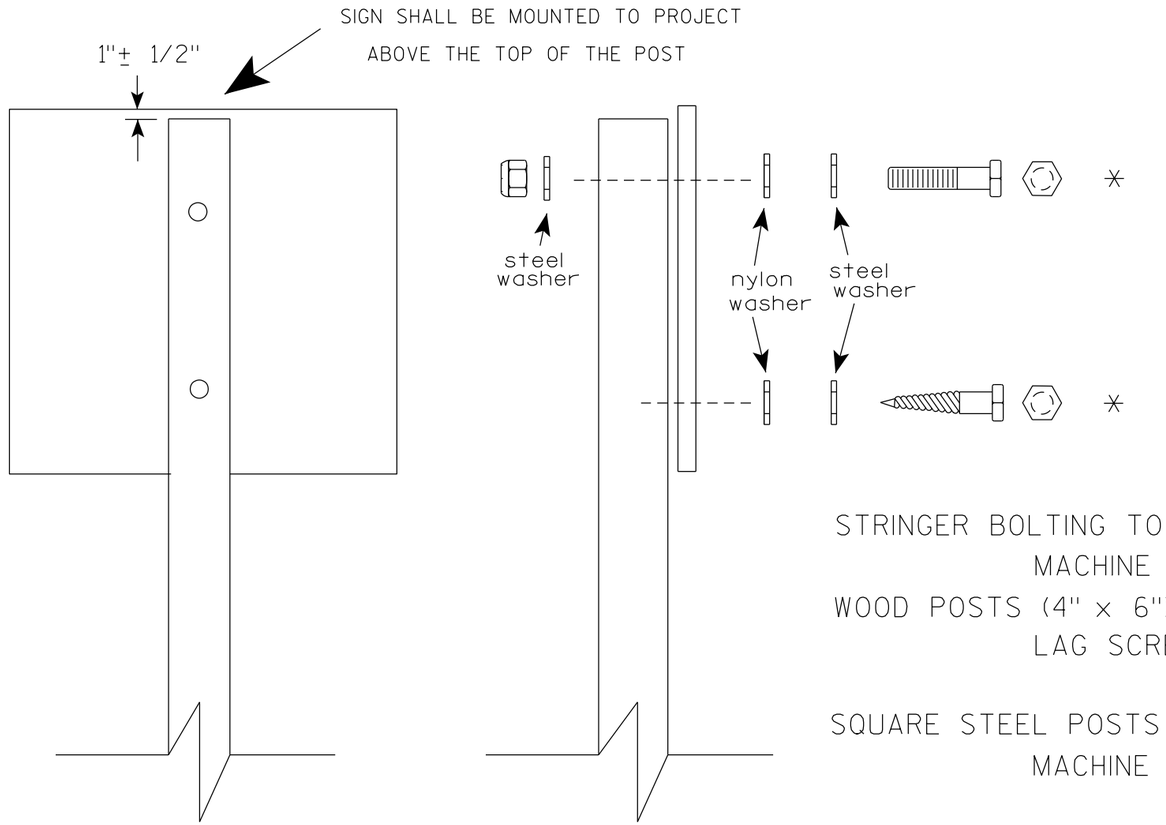
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 114	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

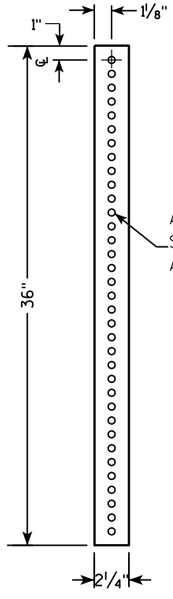
DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

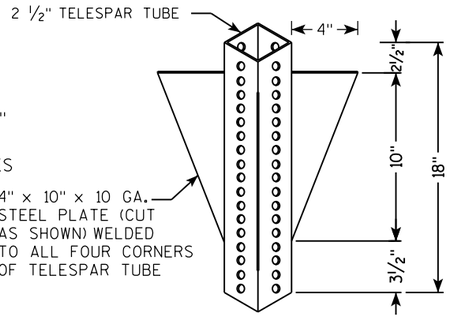
SHEET NO: 115 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

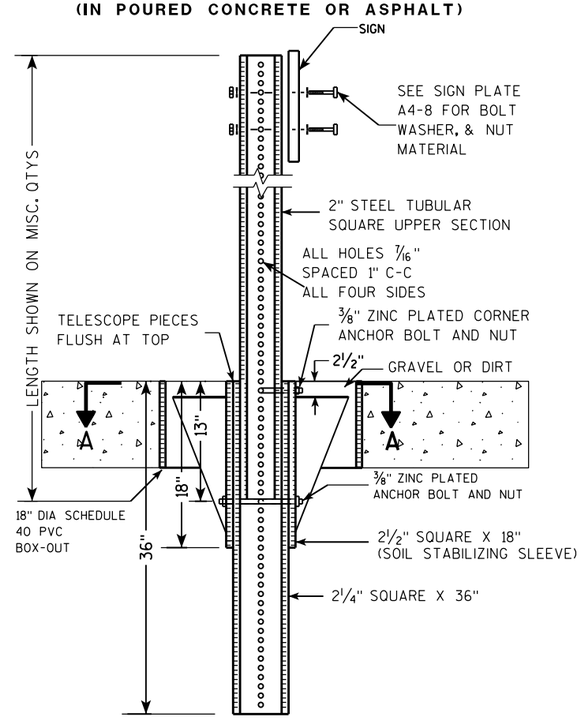
2 ¼ " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



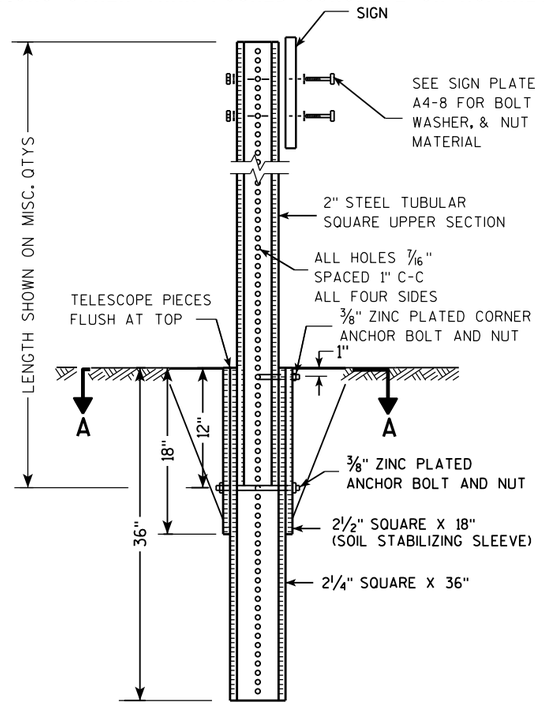
2 ½ " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

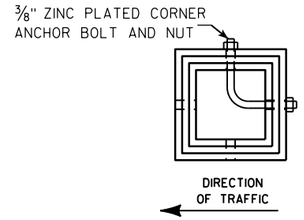


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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

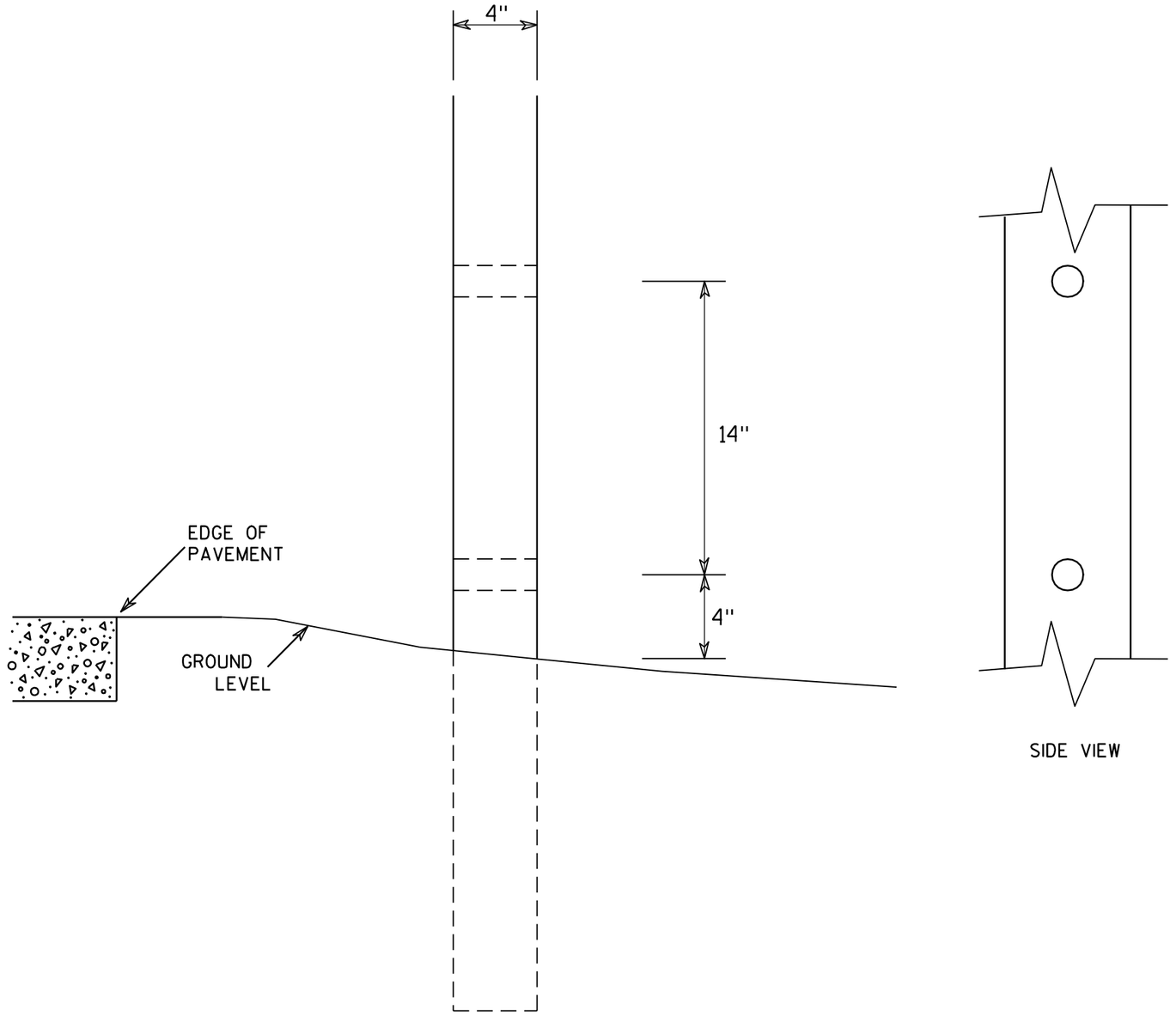
WISCONSIN DEPT OF TRANSPORTATION

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.

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

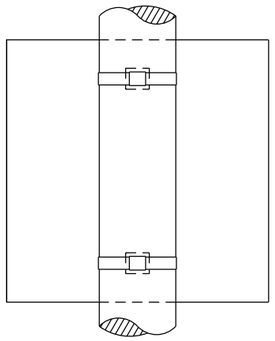
APPROVED Chester J Spang for State Traffic Engineer

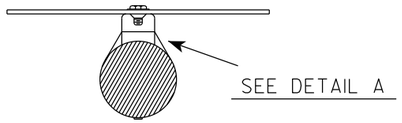
DATE 3/27/97 PLATE NO. A4-11.2

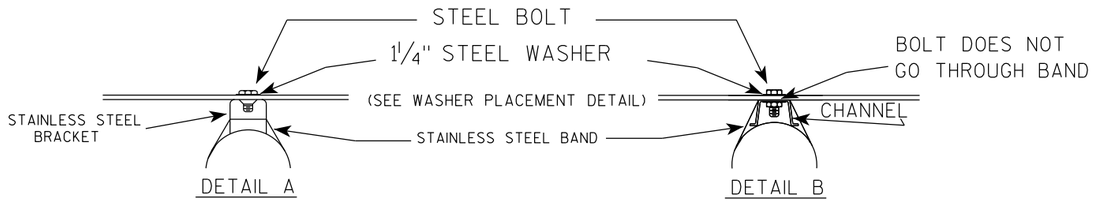
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 117	E

BANDING

SINGLE SIGN



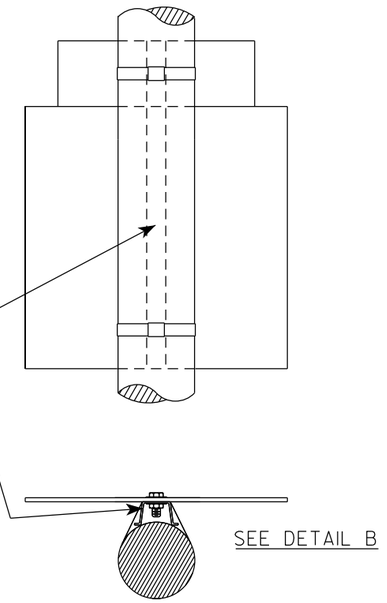




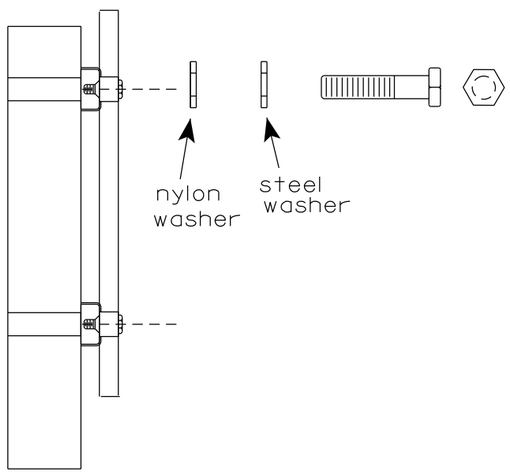
GENERAL NOTES

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

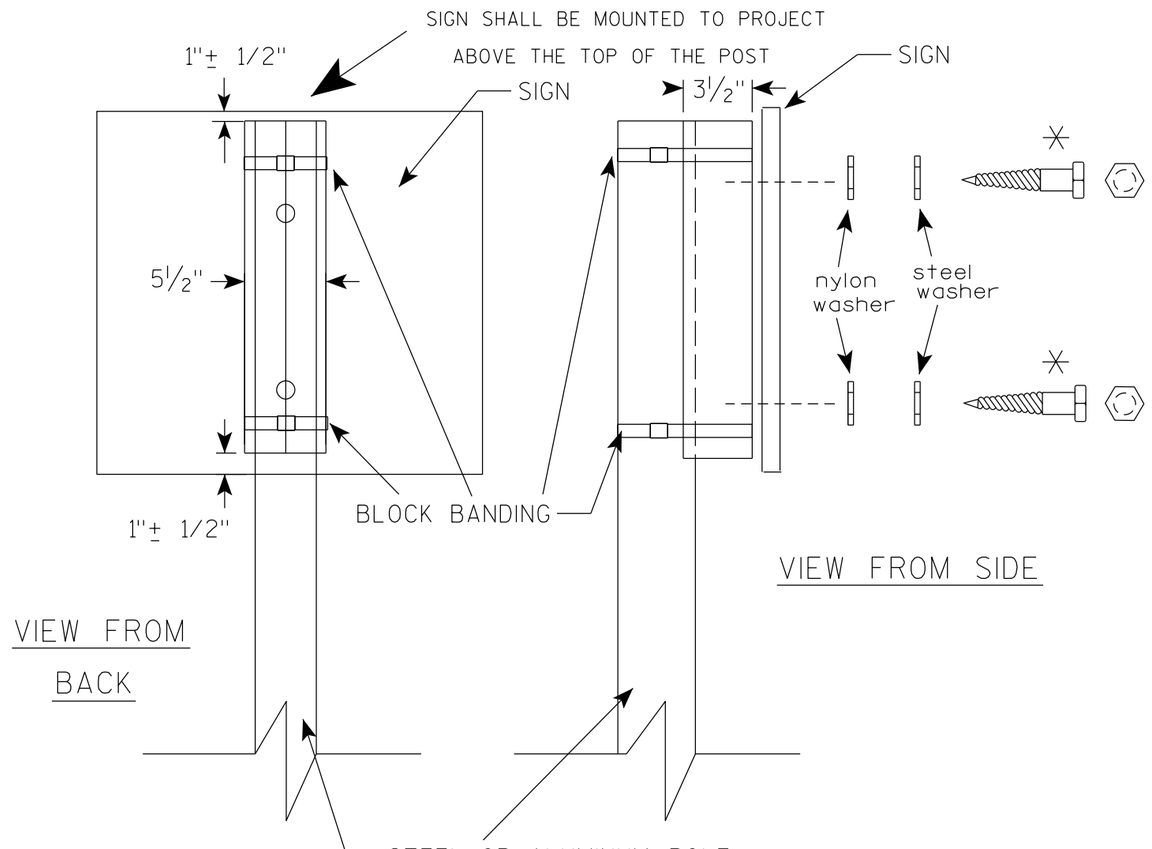
DATE 6/10/19 PLATE NO. A5-9.4

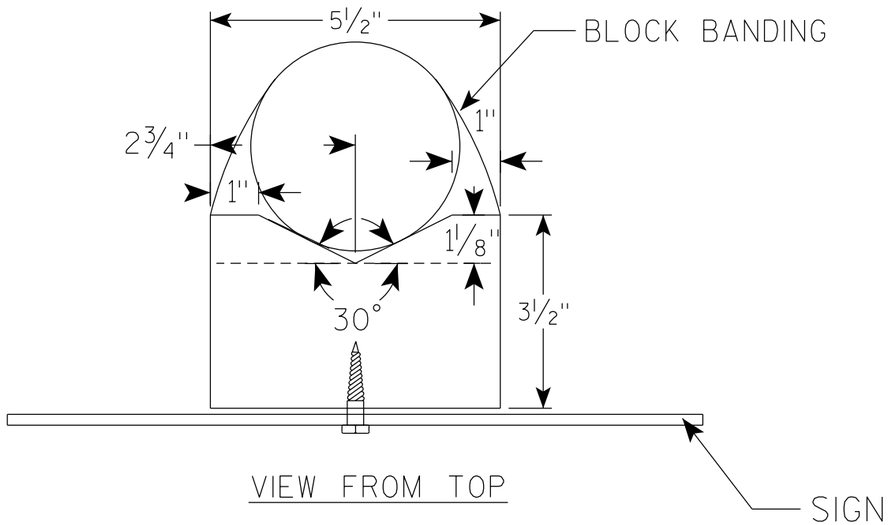
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 118	E

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)

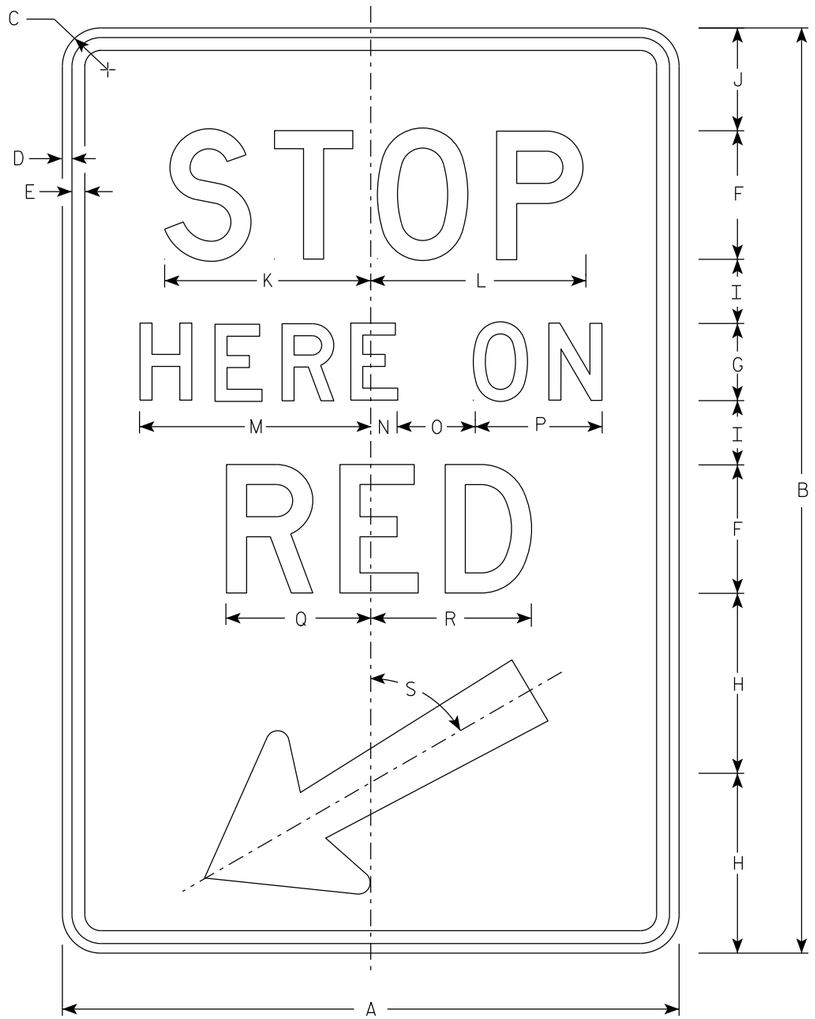
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

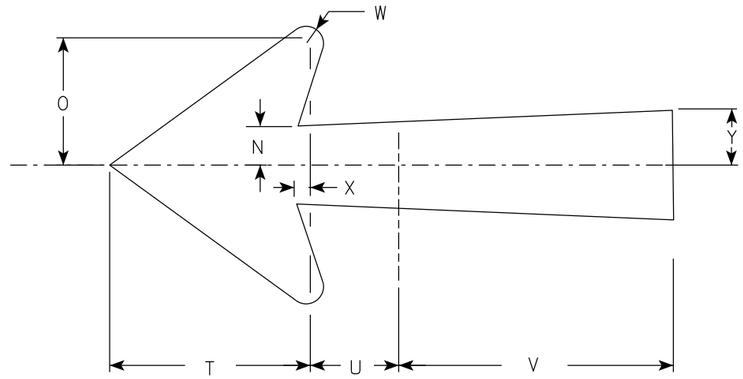
SHEET NO: 119 E



R10-6

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Areq sq. ft.
1																											
2S	24	36	1 1/2	3/8	1/2	5	3	7	2 1/2	4	8	8 3/8	9	1	3	5	5 5/8	6 1/4	60°	5 1/4	2 1/4	7 1/8	1/2	3/8	1 3/8		6.0
2M	24	36	1 1/2	3/8	1/2	5	3	7	2 1/2	4	8	8 3/8	9	1	3	5	5 5/8	6 1/4	60°	5 1/4	2 1/4	7 1/8	1/2	3/8	1 3/8		6.0
3																											
4																											
5																											

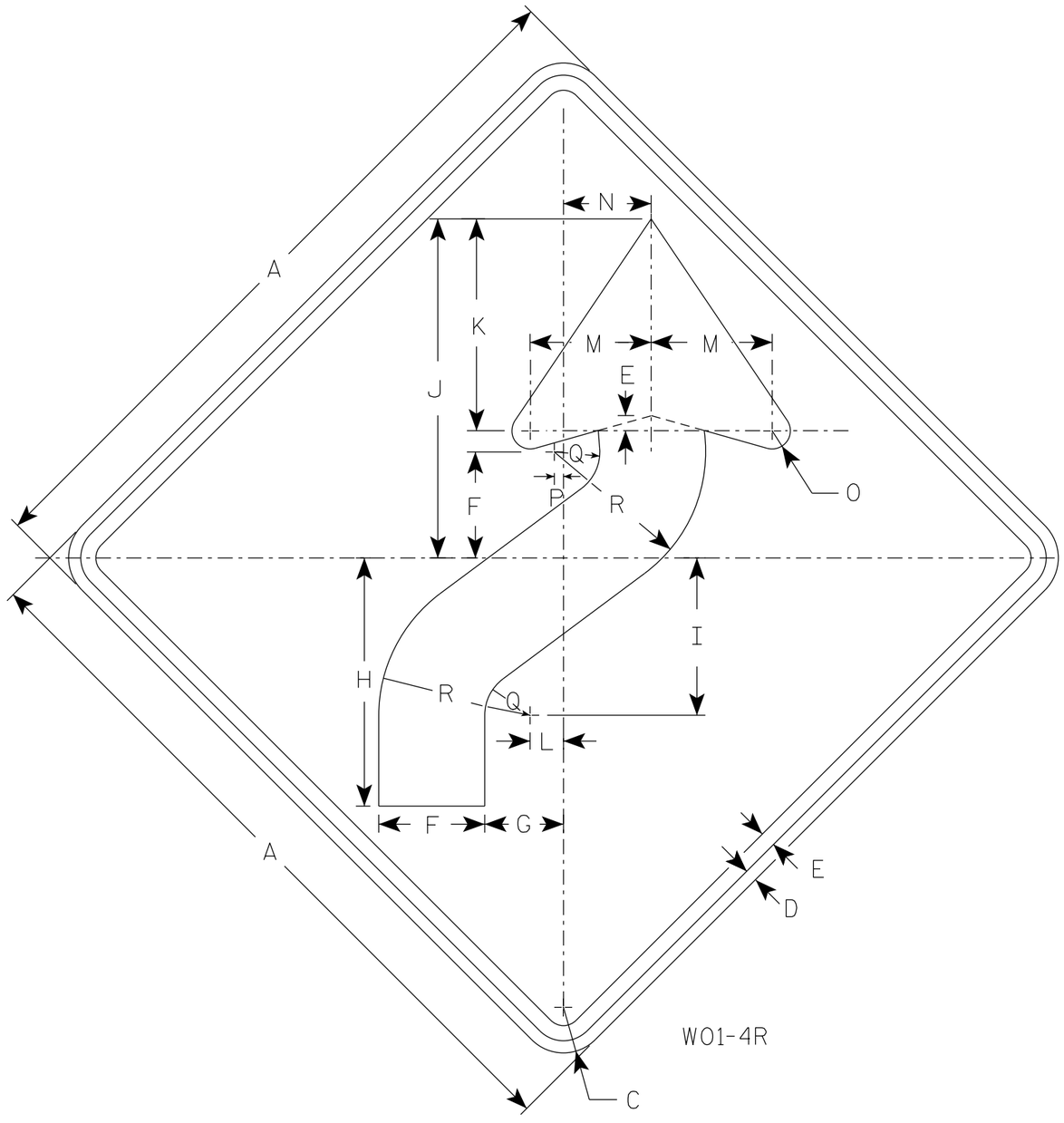
STANDARD SIGN
R10-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/25/24 PLATE NO. R10-6.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 120	E



WO1-4R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. WO1-4L is the same as WO1-4R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
2S	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
2M	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
3	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
4	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
5	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

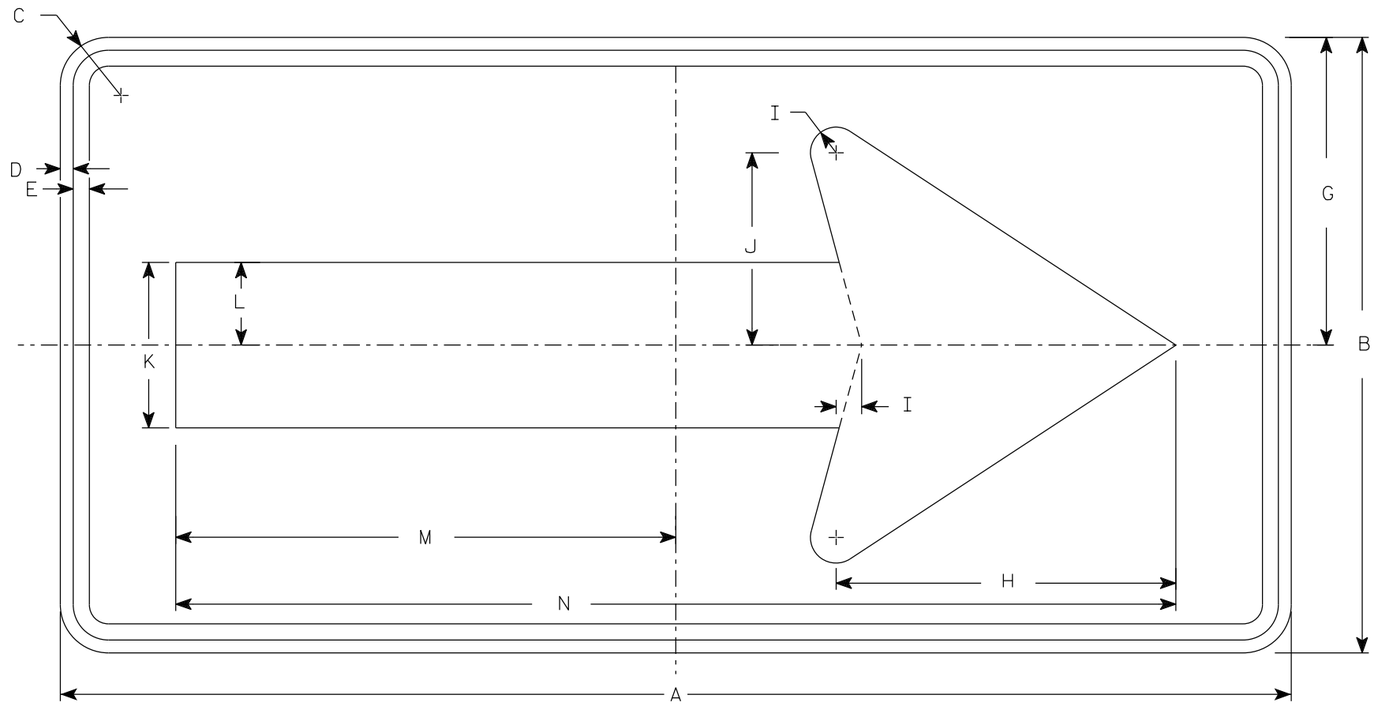
STANDARD SIGN
WO1-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/24/2024 PLATE NO. WO1-4.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 121 | E



WO1-6

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 7/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 7/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

STANDARD SIGN
WO1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

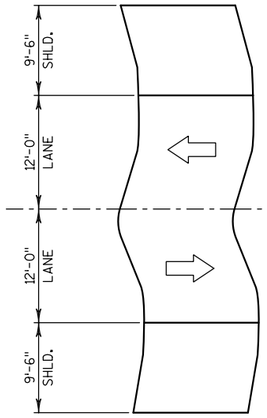
DATE 1/24/2024 PLATE NO. WO1-6.2

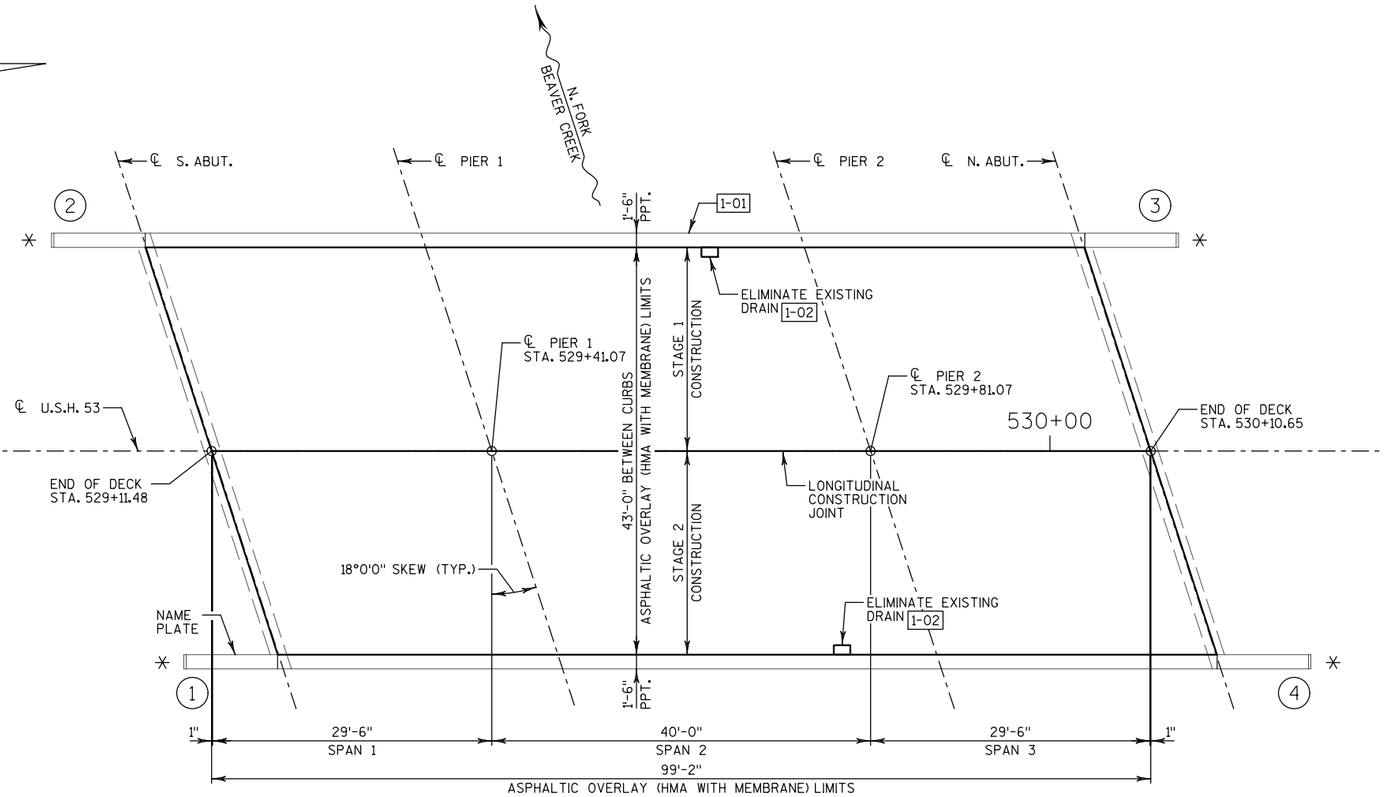
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

STATE PROJECT NUMBER

1630-00-72

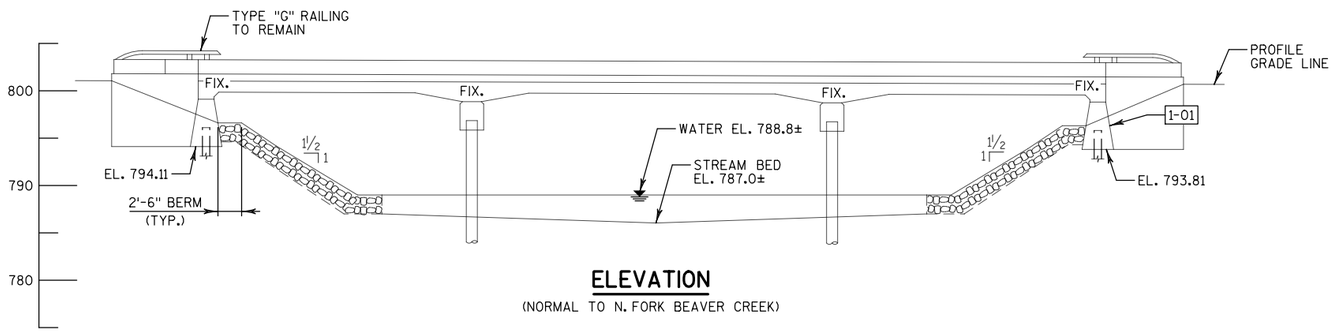






PLAN

(REHABILITATION - THREE SPAN HAUNCH SLAB BRIDGE)



ELEVATION

(NORMAL TO N. FORK BEAVER CREEK)

DESIGN DATA

LIVE LOAD:

DESIGN LOADING ——— HS20
INVENTORY RATING ——— HS17
OPERATING RATING ——— HS29
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) —— 250 KIPS

MATERIAL PROPERTIES

CONCRETE MASONRY
DECK PATCHING & SUPERSTRUCTURE ——— f'c = 4,000 PSI
ALL OTHER ——— f'c = 3,500 PSI

TRAFFIC DATA

ADT (2047) = 3,320
DESIGN SPEED = 55 MPH

SCOPE OF WORK

1. PERFORM CONCRETE SURFACE REPAIR AND REMOVING LOOSE CONCRETE AT LOCATIONS DESIGNATED BY ENGINEER.
2. PERFORM DECK PREPARATION AT LOCATIONS DIRECTED BY ENGINEER.
3. REMOVE EXISTING FLOOR DRAINS.
4. INSTALL SHEET MEMBRANE WATERPROOFING.
5. INSTALL ASPHALTIC OVERLAY.

LEGEND

- ✳ ANCHOR ASSEMBLY FOR THRIE BEAM ATTACHMENT REQUIRED.
- (X) INDICATES WING NUMBER.
- 1-01 CONCRETE SURFACE REPAIR AT BOTTOM OF SLAB, ABUTMENT ENDS AND LOCATIONS DIRECTED BY ENGINEER.
- 1-02 ELIMINATE EXISTING FLOOR DRAINS. WORK IS COVERED UNDER THE BID ITEM "FULL-DEPTH DECK REPAIR".

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. MISCELLANEOUS DETAILS
4. INFRARED THERMOGRAPHIC SURVEY

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS AND ELEVATIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

CONCRETE SURFACE REPAIR AS DIRECTED BY THE FIELD ENGINEER. QUANTITIES SHOWN ARE APPROXIMATE.

THE EXISTING STRUCTURE B-61-47 TO BE REHABILITATED, IS A THREE SPAN HAUNCHED SLAB BRIDGE, 100.75 FT. LONG WITH A 43.0 FT. CLEAR ROADWAY WIDTH.

ANY EXCAVATION NECESSARY TO COMPLETE THE OVERLAY AT THE ABUTMENTS IS TO BE CONSIDERED INCIDENTAL TO THE BID ITEM "HMA PAVEMENT 4 MT 58-34 V.

PROFILE GRADE LINE SHALL BE DETERMINED IN THE FIELD BASED ON A MINIMUM OVERLAY THICKNESS OF 2" PLACED ABOVE THE DECK SURFACE. EXPECTED AVERAGE OVERLAY THICKNESS IS 3¾". IF EXPECTED AVERAGE OVERLAY THICKNESS IS EXCEEDED BY MORE THAN ½", CONTACT THE STRUCTURES DESIGN SECTION.

THE AVERAGE OVERLAY THICKNESS IS BASED ON THE AVERAGE OVERLAY THICKNESS PLUS ½" TO ACCOUNT FOR VARIATIONS IN THE DECK SURFACE.

THE PLAN QUANTITY FOR THE BID ITEM "HMA PAVEMENT 4 MT 58-34 V IS BASED ON THE AVERAGE OVERLAY THICKNESS.

AREAS OF "PREPARATION DECKS TYPE 1" SHALL BE DEFINED BY A SAW CUT.

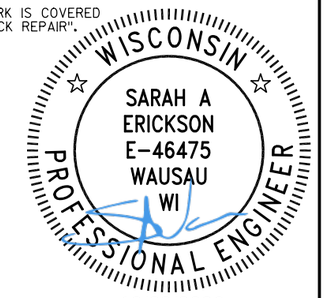
PREPARATION DECKS TYPE 1, PREPARATION DECKS TYPE 2, AND FULL-DEPTH DECK REPAIR AREAS ARE BASED ON THE PLANS AND AS DETERMINED BY THE ENGINEER. DECK PREPARATION REPAIRS SHALL BE FILLED WITH "CONCRETE MASONRY DECK REPAIR".

REPAIRS USING CONCRETE REQUIRE A MINIMUM CURE TIME OF 7 DAYS BEFORE PLACING OVERLAY.

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

PROTECTIVE SURFACE TREATMENT RESEAL SHALL BE APPLIED TO THE TOP AND INSIDE FACES OF CUBS AT THE SLAB AND WINGS.

PIGMENTED SURFACE SEALER RESEAL SHALL BE APPLIED TO THE TOP AND INSIDE FACES OF THE PARAPETS AT THE SLAB AND WINGS.



10/28/2026

NO.	DATE	REVISION	BY

CORRE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED JLR 10/29/26
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-61-47

U.S.H. 53 OVER NORTH FORK BEAVER CREEK

COUNTY	TOWN/~~CITY/VILLAGE~~
TREMPEALEAU	ETTRICK

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	SAE	DESIGN CK'D.	ETP	DRAWN BY	TKB	PLANS CK'D.	SAE

GENERAL PLAN

SHEET 1 OF 4

123

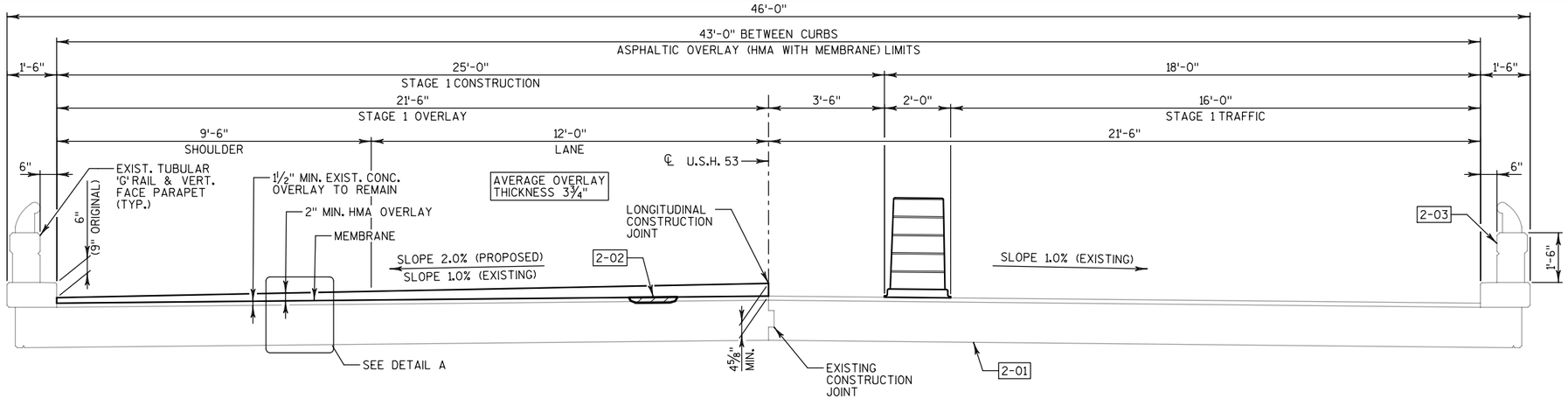
BUREAU OF STRUCTURES CONTACT:
AARON BONK, P.E. (608) 261-0261

CONSULTANT CONTACT:
ERIC PRICE (608) 826-6146

8

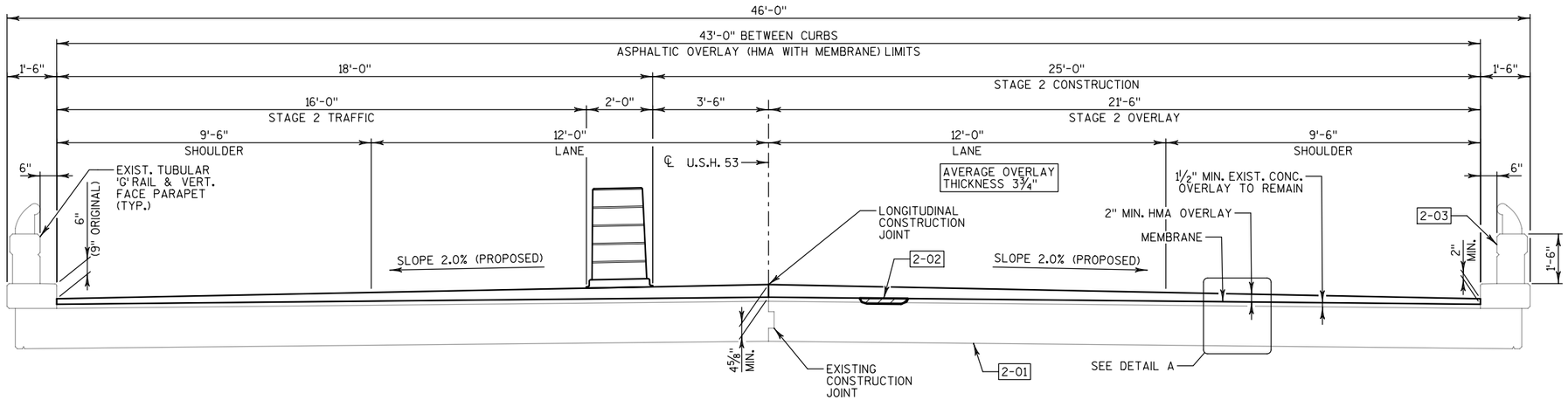
8

STATE PROJECT NUMBER
1630-00-72



STAGE 1 PROPOSED CROSS SECTION

(LOOKING NORTH)



STAGE 2 PROPOSED CROSS SECTION

(LOOKING NORTH)

LEGEND

2-01 LOCATIONS OF CURB REPAIR, CONCRETE SURFACE REPAIR & REMOVING LOOSE CONCRETE, WILL BE DETERMINED BY THE FIELD ENGINEER. QUANTITY SHOWN IS APPROXIMATE. REMOVING LOOSE CONCRETE UTILIZED WHERE SPALLING & DELAMINATION DOESN'T EXTEND BEHIND THE REINFORCEMENT OR AT LOCATIONS WHERE PATCHES COULD FALL IN THE STREAM BELOW, UNLESS DIRECTED OTHERWISE BY ENGINEER.

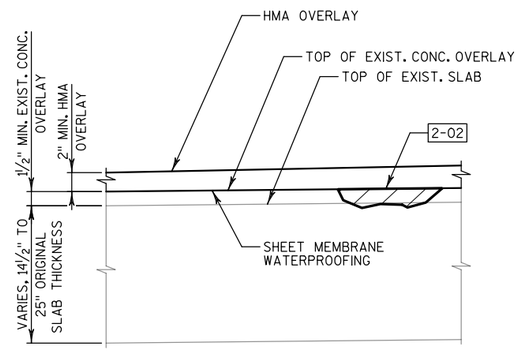
2-02 "PREPARATION DECKS", "SAWING PAVEMENT DECK PREPARATION AREAS", "FULL-DEPTH DECK REPAIR" AND "CONCRETE MASONRY DECK REPAIR" LIMITS DETERMINED BY ENGINEER.

2-03 "PIGMENTED SURFACE SEALER RESEAL". APPLY TO FRONT FACE AND TOP OF EXISTING PARAPETS AND CURBS. REPAIRED AREAS TO BE INCLUDED.

TOTAL ESTIMATED QUANTITIES

	BID ITEM NUMBER	BID ITEM	UNIT	SOUTH ABUTMENT	NORTH ABUTMENT	SUPER.	TOTALS
	203.0335	DEBRIS CONTAINMENT OVER WATERWAY B-61-47	EACH	–	–	–	1
	455.0605	TACK COAT	GAL	–	–	34	34
	450.6224	HMA PAVEMENT 4 MT 58-28 S	TON	–	–	98	98
	502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	–	–	90	90
	509.0301	PREPARATON DECKS TYPE 1	SY	–	–	86	86
	509.0302	PREPARATON DECKS TYPE 2	SY	–	–	34	34
	509.0310.S	SAWING PAVEMENT DECK PREPARATION AREAS	LF	–	–	860	860
2-01	509.1200	CURB REPAIR	LF	–	–	30	30
2-01	509.1500	CONCRETE SURFACE REPAIR	SF	40	40	200	280
	509.2000	FULL-DEPTH DECK REPAIR	SY	–	–	12	12
	509.2100.S	CONCRETE MASONRY DECK REPAIR	CY	–	–	10.8	11
	516.0600.S	SHEET MEMBRANE WATERPROOFING FOR ASPHALT OVERLAYS	SY	–	–	474	474
2-01	SPV.0165	REMOVING LOOSE CONCRETE	SF	–	–	200	200

ALL ITEMS ARE CATEGORY 0020



DETAIL A

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-61-47

DRAWN BY TKB | PLANS CK'D. SAE

CROSS SECTION & QUANTITIES

SHEET 2 OF 4

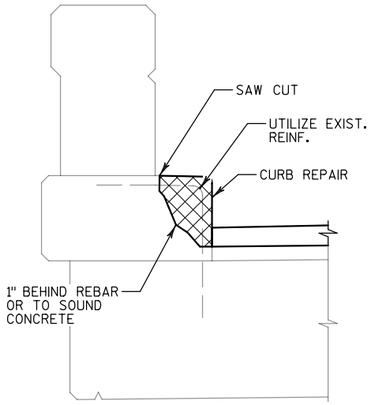
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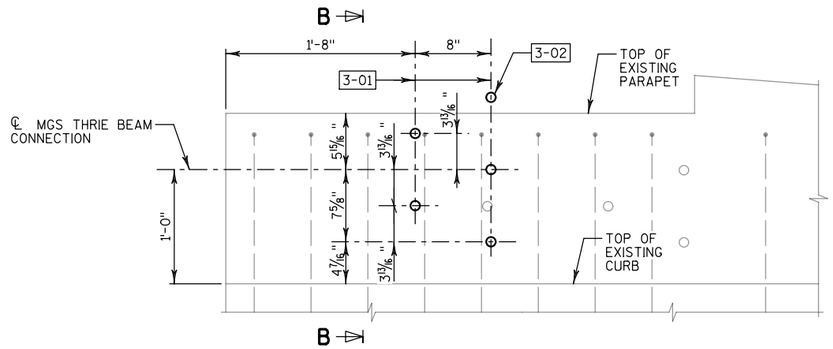
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STATE PROJECT NUMBER

1630-00-72

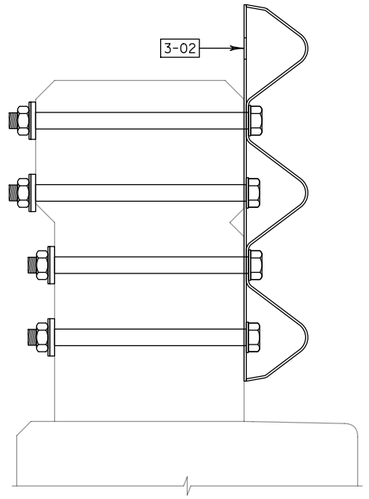


CURB REPAIR DETAIL



INSIDE PARAPET ELEVATION

(MGS THRIE BEAM CONNECTION)



SECTION B-B

LEGEND

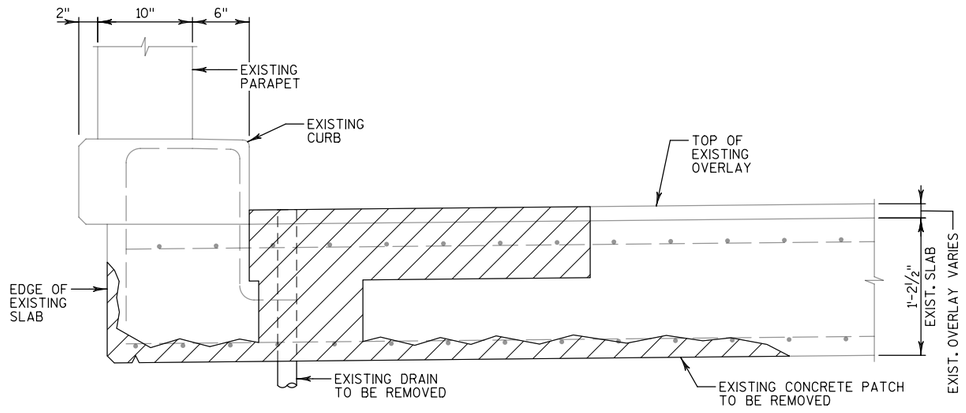
3-01 ℄ OF 1" DIA. HOLE DRILLED THRU EXISTING PARAPET WITH ⅞" DIA. HIGH STRENGTH HEX BOLT, NUT & WASHERS. (4 REQUIRED PER WING).

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

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 TERMINAL CONNECTOR. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. x ⅝" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

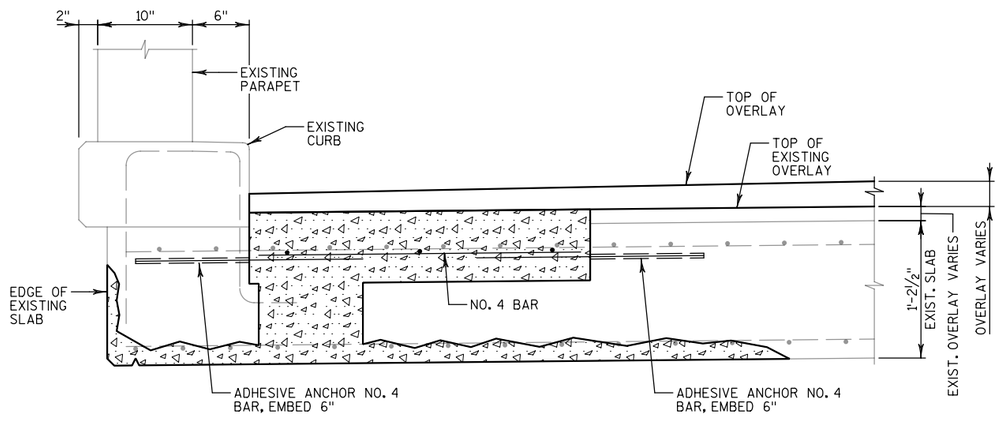
3-02 BOLT, NUT AND WASHERS NOT REQUIRED WHEN THRIE BEAM BOLT HOLE IS EITHER ABOVE PARAPET OR WITHIN 4 INCHES OF THE EDGE OF PARAPET.

3-03 ELIMINATE EXISTING FLOOR DRAINS. ALL WORK IS TO BE CONSIDERED INCIDENTAL TO THE BID ITEM "FULL-DEPTH DECK REPAIR".



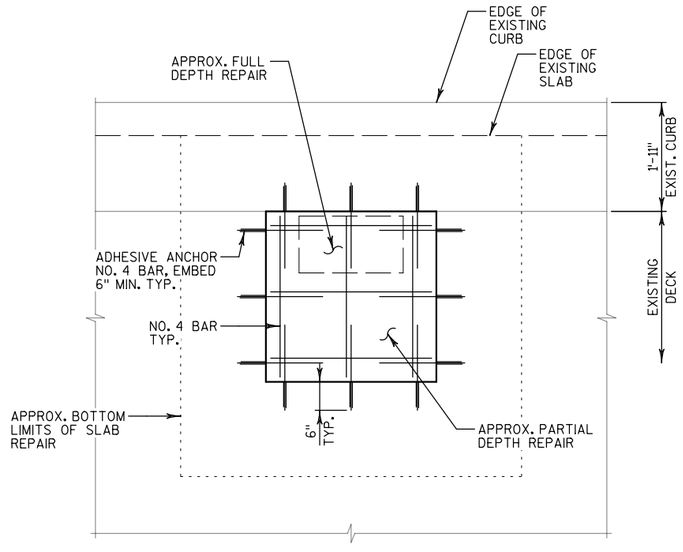
SLAB EDGE ℄ DRAIN LOCATION

(REMOVAL)



SLAB EDGE ℄ DRAIN LOCATION 3-03

(RECONSTRUCT)



PARTIAL DECK REPAIR ℄ EXISTING DRAIN 3-03

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-61-47

DRAWN BY TKB | PLANS CK'D. SAE

MISCELLANEOUS DETAILS

SHEET 3 OF 4

125

8

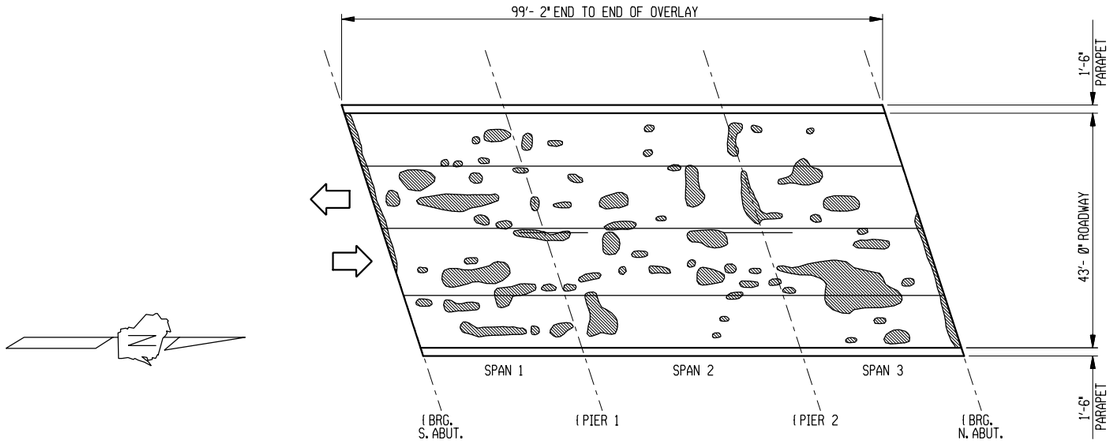
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FILE NAME : C:\OD\OneDrive - CORRE, Inc\01 Project Links\0001 Archived\2026\2026 B-61-47 ush 53 N fork Beaver Ck\500_CADD\Projects - 503_Structures\B-61-047_02-typsec.dgn

PLOT DATE : 10/28/2026 3:41:57 PM

PLOT SCALE : 1:2

STATE PROJECT NUMBER
1630-00-72



NOTES

LEVEL 2 (TOP OF DECK) INFRARED INSPECTION PERFORMED BY AECOM.

PLAN

INFRARED THERMOGRAPHIC SURVEY RESULTS

FIELD OBSERVATIONS SUMMARY		STRUCTURE NO. B-61-47	
ITEM	UNIT	QUANT.	%
TOTAL AREA	ft^2	4266	
SHADE/DEBRIS	ft^2	0	
DELAMINATION	ft^2	635	14.9
SPALL	ft^2	0	0
DEBOND	ft^2	0	0
ASPHALT PATCH	ft^2	0	0
PCC PATCH	ft^2	0	0

LEGEND: DELAMINATION, SPALL, DEBOND, ASPHALT PATCH, PCC PATCH, SHADE/DEBRIS

SCALE 0' 5' 10' 20'

SURFACE TYPE: CONCRETE OVERLAY
INFRARED INSPECTION DATE: 9/13/23, 11:15 AM

THIS SHEET IS FOR INFORMATION ONLY. BID ITEMS AND QUANTITIES USED FOR CONSTRUCTION ARE TO BE TAKEN FROM SHEET 2.

INFORMATION TAKEN FROM INFRARED THERMOGRAPH SURVEY REPORT BY AECOM (DEC. 2019)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-61-47

DRAWN BY TKB | PLANS CK'D. SAE

INFRARED THERMOGRAPHIC SURVEY

SHEET 4 OF 4

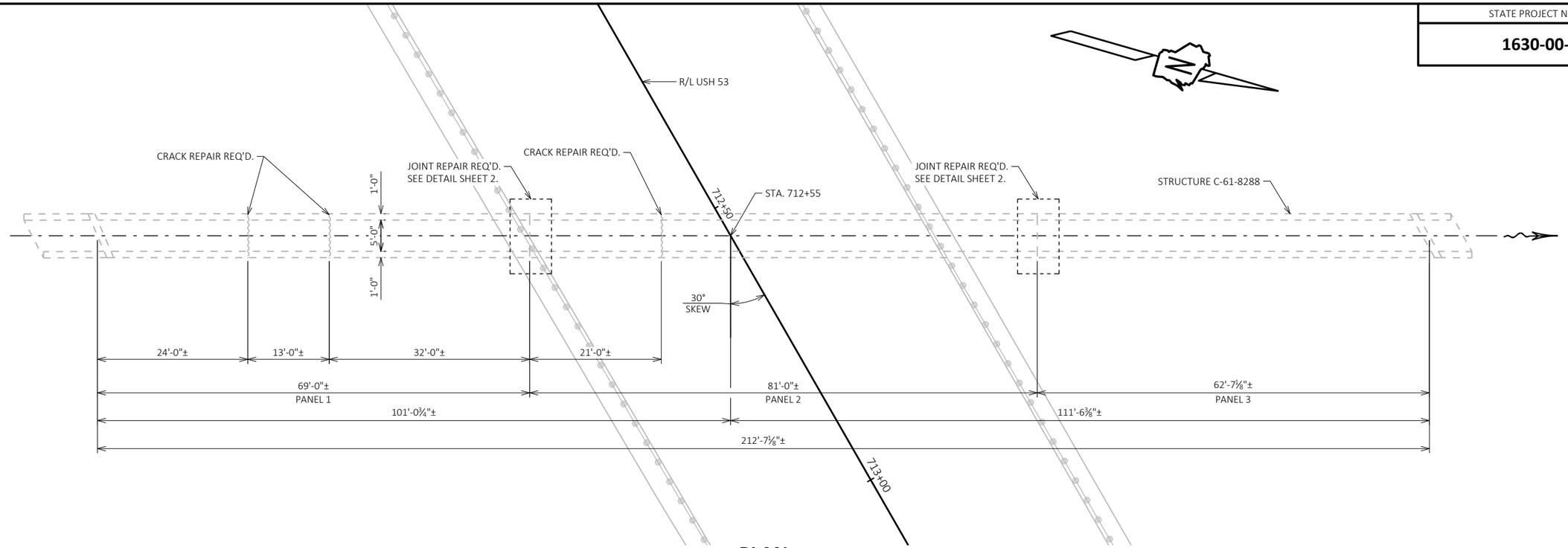
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FILE NAME : C:\OD\OneDrive - CORRE, Inc\01 Project Links\0001 Archived\2026\2026 B-61-47 ush 53 N fork Beaver Ck\500_CADD\Projects - 503_Structures\B-61-047_03-IR Scan.dgn PLOT DATE : 10/28/2026 3:41:57 PM PLOT SCALE : 1:2

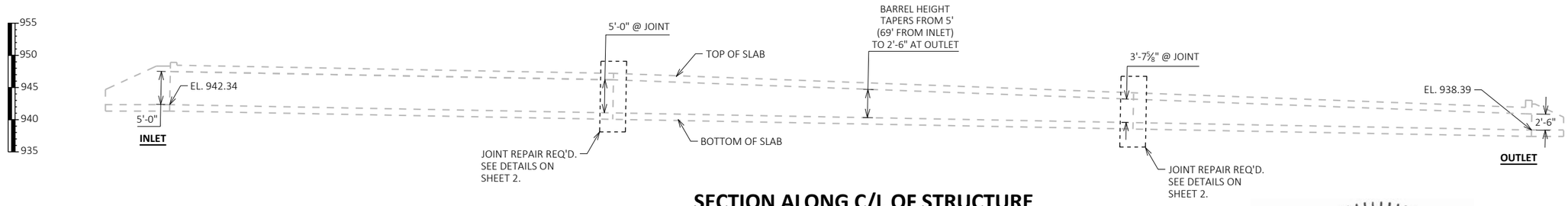
STATE PROJECT NUMBER

1630-00-72



PLAN

REHAB - SINGLE CELL CONCRETE BOX CULVERT



SECTION ALONG C/L OF STRUCTURE

LOOKING UP STATION

DESIGN DATA

EARTH LOAD:
FILL HEIGHT ——— 30' PER HSI

MATERIAL PROPERTIES

CONCRETE ——— f'c = 3,500 PSI
STRUCTURAL STEEL:
ASTM A36, GRADE 36 ——— fy = 36,000 PSI

TRAFFIC DATA

ADT = (2047) 3,320
R.D.S. = 55 MPH

LIST OF DRAWINGS:

1. GENERAL PLAN
2. QUANTITIES & REPAIR DETAILS

GENERAL NOTES

THE PROPOSED WORK INCLUDES CLEANING DEBRIS FROM INSIDE THE CULVERT BARREL, PLATING EXISTING CONSTRUCTION JOINTS TO ADDRESS DISPLACEMENT AND LOSS OF FILL MATERIAL, CONCRETE SURFACE REPAIR, AND CRACK REPAIR.

DRAWINGS SHALL NOT BE SCALED.

C-61-8288 IS A "NO PLAN" STRUCTURE. DIMENSIONS SHOWN ARE BASED ON FIELD SURVEY.

CONCRETE SURFACE REPAIR SHALL BE USED FOR REPAIRS TO SPALLED OR DELAMINATED CONCRETE SURFACES. LOCATIONS AND LIMITS OF REPAIR SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.

CRACK REPAIR SHALL ONLY BE PERFORMED AT LOCATIONS DESIGNATED BY THE ENGINEER.

ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS.

SHIMMING THE FILL PLATE WITH PLATE WASHERS AT ANCHOR LOCATIONS WILL BE ALLOWED AND MAY BE USED AS NEEDED FOR FIT.

CONTRACTOR MAY TACK WELD PLATES AS NEEDED DURING INSTALLATION TO FACILITATE INSTALLATION OF REPAIR COMPONENTS. PRIOR TO WELDING, REMOVE GALVANIZING FROM AREA TO BE WELDED. TOUCH UP WITH PAINT ALL AREAS LACKING GALVANIZING WHEN COMPLETE.



February 25, 2026

STRUCTURE DESIGN CONTACTS

BRIDGE OFFICE:
AARON BONK, P.E. (608) 261-0261

CONSULTANT:
ERIC PRICE, P.E. (608) 826-6146

NO.	DATE	REVISION	BY

CORRE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORATION

ACCEPTED JLR 08/13/26
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE C-61-8288

USH 53 OVER DRAINAGE WAY

COUNTY	TOWN/~~CITY/VILLAGE~~
TREMPEALEAU	PRESTON

DESIGN SPEC.
REHABILITATION N/A

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
SAE	ETP	PKF	ETP

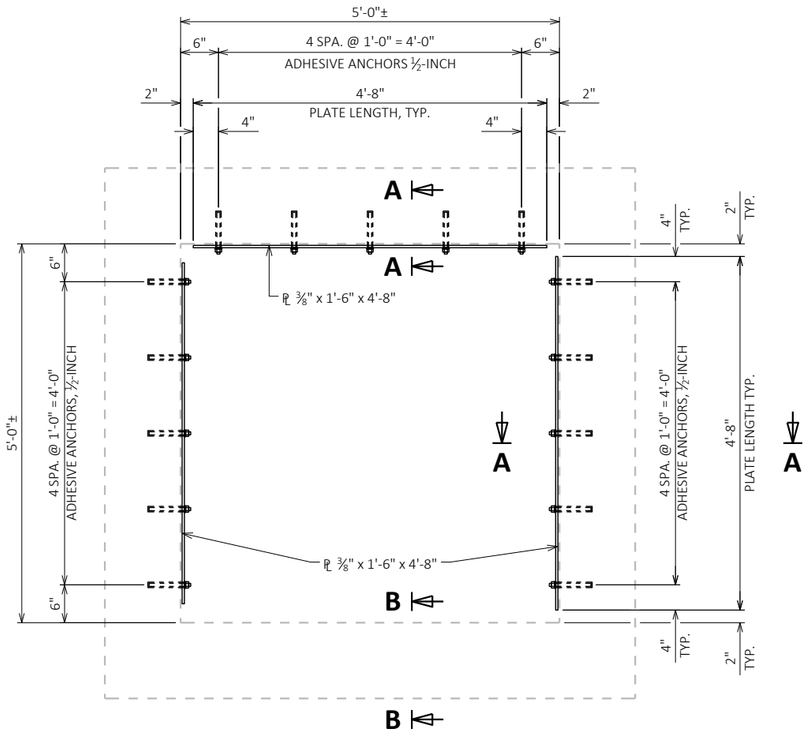
GENERAL PLAN

SHEET 1 OF 2
127

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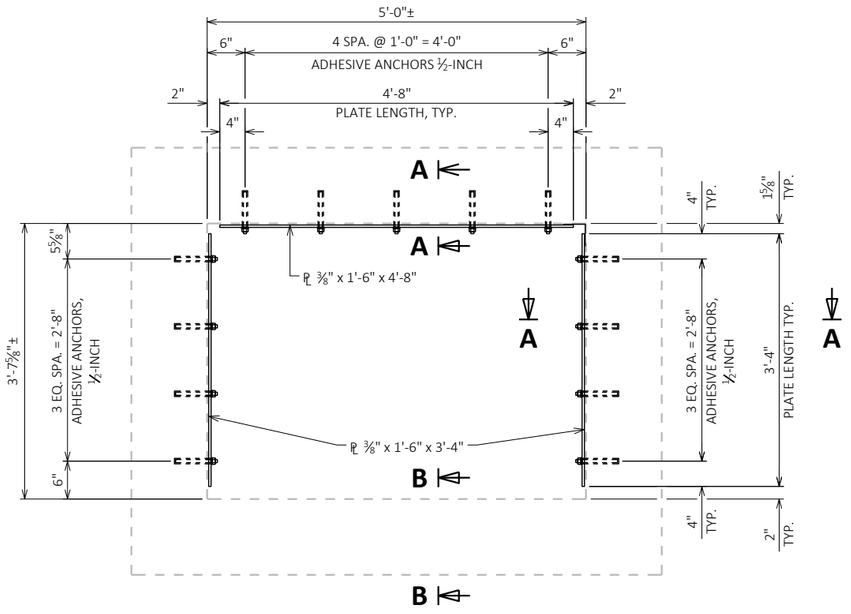
STATE PROJECT NUMBER

1630-00-72



TYPICAL SECTION THRU BOX CULVERT - AT JOINT #1

SHOWING JOINT REPAIR



TYPICAL SECTION THRU BOX CULVERT - AT JOINT #2

SHOWING JOINT REPAIR

LEGEND

2-01 DUE TO THE POTENTIAL FOR MOVEMENT BETWEEN PLAN COMPLETION AND CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE REQUIRED FILLER PLATE THICKNESS PRIOR TO ORDERING MATERIAL AND BOLT LENGTHS SHALL BE ADJUSTED ACCORDINGLY. SUBSTITUTIONS FOR FILLER MATERIAL SHALL BE APPROVED BY THE ENGINEER.

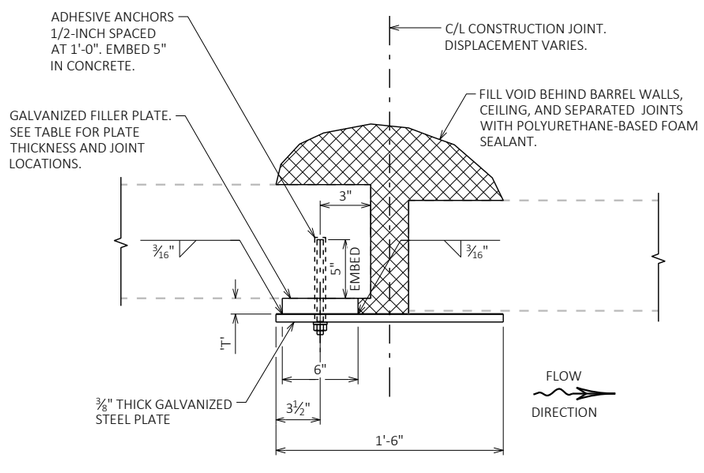
NOTES

REPAIR JOINTS (AT THE TWO CONSTRUCTION JOINT LOCATIONS SHOWN ON SHEET 1) TO BE PAID FOR UNDER BID ITEM "BOX CULVERT JOINT REPAIR C-61-8288".

ADHESIVE ANCHORS, STEEL PLATES, POLYURETHANE-BASED FOAM SEALANT, AND ANY OTHER MISCELLANEOUS WORK ASSOCIATED WITH BOX CULVERT JOINT REPAIRS TO BE INCLUDED IN BID ITEM "BOX CULVERT JOINT REPAIR C-61-8288".

ALL STRUCTURAL STEEL PLATES SHALL BE FURNISHED AND FABRICATED IN ACCORDANCE WITH SECTION 506 OF THE STANDARD SPECIFICATIONS. GALVANIZE THE STRUCTURAL STEEL PLATES IN ACCORDANCE WITH ASTM A123.

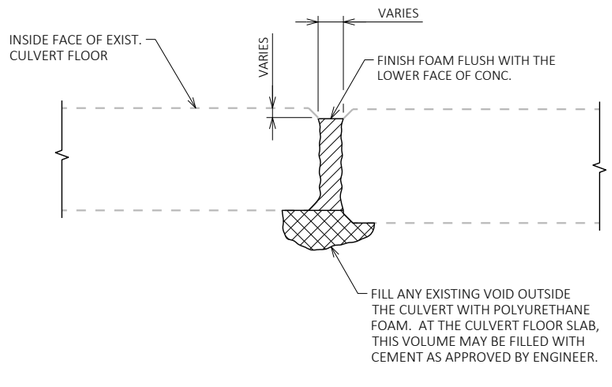
ALL ADHESIVE ANCHORS, NUTS, AND WASHERS SHALL BE FURNISHED AND GALVANIZED IN ACCORDANCE WITH SECTION 502.2.12 OF THE STANDARD SPECIFICATIONS. ENSURE THAT THE SAME GALVANIZATION PROCESS IS USED FOR ALL PARTS OF THE ANCHOR/NUT/WASHER ASSEMBLY.



SECTION A-A

THRU JOINT REPAIR

✳ MECHANICAL ANCHORS ARE ALLOWED TO BE SUBSTITUTED AT THE CEILING LOCATIONS.



SECTION B-B

THRU JOINT OR CRACK REPAIR BOTTOM SLAB
(APPLICABLE TO OTHER LOCATIONS AS
DESIGNATED BY ENGINEER)

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEM	UNIT	TOTALS
509.1500	CONCRETE SURFACE REPAIR	SF	50
509.9025.S	EPOXY INJECTION CRACK REPAIR	LF	60
509.9026.S	CORED HOLES 2-INCH DIAMETER	EACH	6
SPV.0060	BOX CULVERT JOINT REPAIR C-61-8288	EACH	1
SPV.0060	CLEANING BOX CULVERT C-61-8288	EACH	1

ALL ITEMS ARE CATEGORY 0030

FILLER PLATES

2-01 THRU FILLER

JOINT #	LOCATION	FILLER PLATE 'T'
1	W. WALL	1"
1	CEILING	1 ¼"
1	E. WALL	1"
2	W. WALL	¾"
2	CEILING	1 ½"
2	E. WALL	¾"

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-61-8288

DRAWN BY PKF | PLANS CK'D ETP

QUANTITIES & REPAIR DETAILS

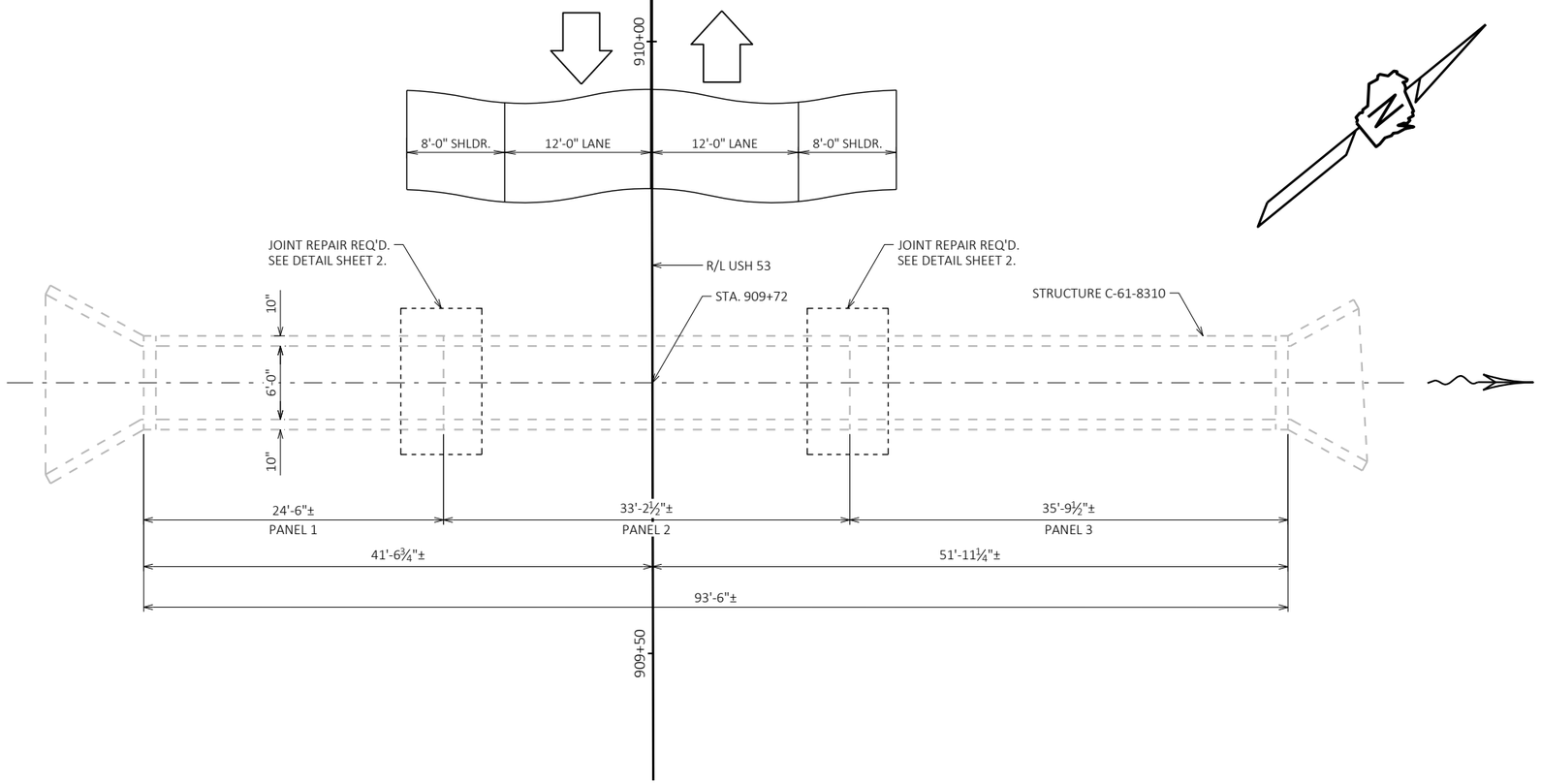
SHEET 2 OF 2

128

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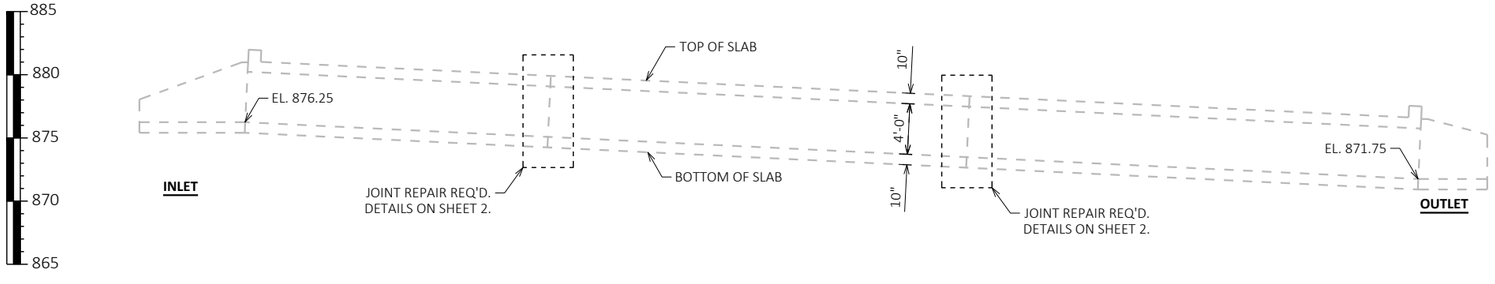
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8



PLAN

REHAB - SINGLE CELL CONCRETE BOX CULVERT



SECTION ALONG C/L OF STRUCTURE

LOOKING UP STATION

STATE PROJECT NUMBER

1630-00-72

DESIGN DATA

EARTH LOAD:
FILL HEIGHT ——— 10' PER HSI

MATERIAL PROPERTIES

CONCRETE ——— f'c = 3,500 PSI
STRUCTURAL STEEL:
ASTM A36, GRADE 36 ——— fy = 36,000 PSI

TRAFFIC DATA

ADT = (2047) 3,320
R.D.S. = 55 MPH

LIST OF DRAWINGS:

1. GENERAL PLAN
2. QUANTITIES & REPAIR DETAILS

GENERAL NOTES

THE PROPOSED WORK INCLUDES PLATING EXISTING CONSTRUCTION JOINTS TO ADDRESS DISPLACEMENT AND LOSS OF FILL MATERIAL, CONCRETE SURFACE REPAIR, AND SEALING CRACKS IN THE CULVERT AND WINGS.

DRAWINGS SHALL NOT BE SCALED.

C-61-8310 IS A "NO PLAN" STRUCTURE. DIMENSIONS SHOWN ARE BASED ON FIELD SURVEY.

CONCRETE SURFACE REPAIR SHALL BE USED FOR REPAIRS TO SPALLED OR DELAMINATED CONCRETE SURFACES. LOCATIONS AND LIMITS OF REPAIR SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.

CRACK SEALING SHALL ONLY BE PERFORMED AT LOCATIONS DESIGNATED BY THE ENGINEER.

ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS.

SHIMMING THE FILL PLATE WITH PLATE WASHERS AT ANCHOR LOCATIONS WILL BE ALLOWED AND MAY BE USED AS NEEDED FOR FIT.

CONTRACTOR MAY TACK WELD PLATES AS NEEDED DURING INSTALLATION TO FACILITATE INSTALLATION OF REPAIR COMPONENTS. PRIOR TO WELDING, REMOVE GALVANIZING FROM AREA TO BE WELDED TOUCH UP WITH PAINT ALL AREAS LACKING GALVANIZING WHEN COMPLETE.

WISCONSIN
ERIC T. PRICE
E-39027
MADISON
WI
PROFESSIONAL ENGINEER

February 25, 2026

STRUCTURE DESIGN CONTACTS

BRIDGE OFFICE:
AARON BONK, P.E. (608) 261-0261

CONSULTANT:
ERIC PRICE, P.E. (608) 826-6146

NO.	DATE	REVISION	BY

CORRE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORATION

ACCEPTED JLR 08/13/26
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE C-61-8310

USH 53 OVER DRAINAGE WAY

COUNTY	TOWN/~~CITY/VILLAGE~~
TREMPEALEAU	PRESTON

DESIGN SPEC.
REHABILITATION N/A

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
SAE	ETP	PKF	ETP

GENERAL PLAN

SHEET 1 OF 2
129

8

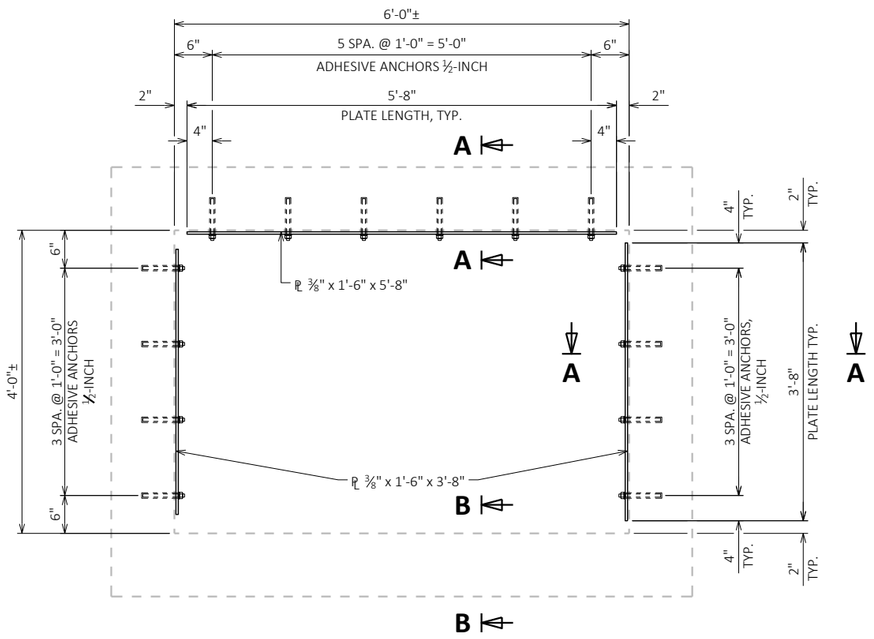
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PLOT BY : SAM SWITTEL
I.D. 1630-00-72
DATE:

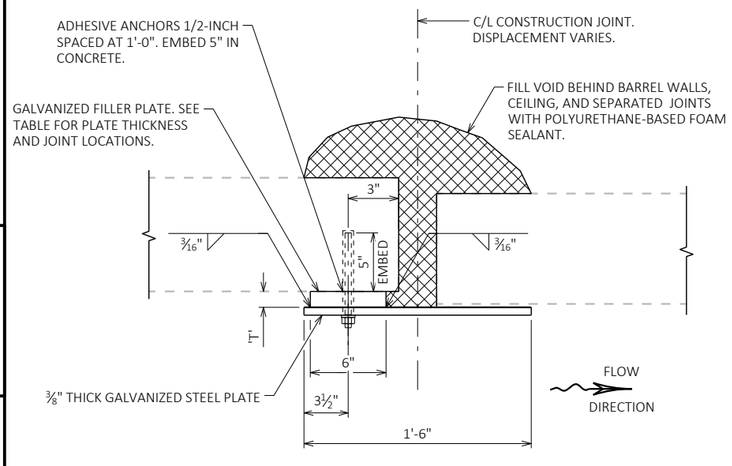
STATE PROJECT NUMBER

1630-00-72



TYPICAL SECTION THRU BOX CULVERT

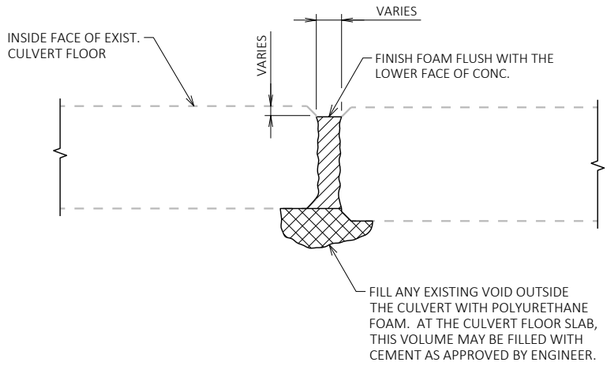
SHOWING JOINT REPAIR



SECTION A-A

THRU JOINT REPAIR

✳ MECHANICAL ANCHORS ARE ALLOWED TO BE SUBSTITUTED AT THE CEILING LOCATIONS.



SECTION B-B

THRU JOINT OR CRACK REPAIR BOTTOM SLAB (APPLICABLE TO OTHER LOCATIONS AS DESIGNATED BY ENGINEER)

LEGEND

2-01 DUE TO THE POTENTIAL FOR MOVEMENT BETWEEN PLAN COMPLETION AND CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE REQUIRED FILLER PLATE THICKNESS PRIOR TO ORDERING MATERIAL AND BOLT LENGTHS SHALL BE ADJUSTED ACCORDINGLY. SUBSTITUTIONS FOR FILLER MATERIAL SHALL BE APPROVED BY THE ENGINEER.

NOTES

REPAIR JOINTS (AT THE TWO CONSTRUCTION JOINT LOCATIONS SHOWN ON SHEET 1) TO BE PAID FOR UNDER BID ITEM "BOX CULVERT JOINT REPAIR C-61-8310".

ADHESIVE ANCHORS, STEEL PLATES, POLYURETHANE-BASED FOAM SEALANT, AND ANY OTHER MISCELLANEOUS WORK ASSOCIATED WITH BOX CULVERT JOINT REPAIRS TO BE INCLUDED IN BID ITEM "BOX CULVERT JOINT REPAIR C-61-8310".

ALL STRUCTURAL STEEL PLATES SHALL BE FURNISHED AND FABRICATED IN ACCORDANCE WITH SECTION 506 OF THE STANDARD SPECIFICATIONS. GALVANIZE THE STRUCTURAL STEEL PLATES IN ACCORDANCE WITH ASTM A123.

ALL ADHESIVE ANCHORS, NUTS, AND WASHERS SHALL BE FURNISHED AND GALVANIZED IN ACCORDANCE WITH SECTION 502.2.12 OF THE STANDARD SPECIFICATIONS. ENSURE THAT THE SAME GALVANIZATION PROCESS IS USED FOR ALL PARTS OF THE ANCHOR/NUT/WASHER ASSEMBLY.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEM	UNIT	TOTALS
509.1500	CONCRETE SURFACE REPAIR	SF	30
SPV.0060	CLEANING BOX CULVERT C-61-8310	EACH	1
SPV.0060	BOX CULVERT JOINT REPAIR C-61-8310	EACH	1

ALL ITEMS ARE CATEGORY 0040

FILLER PLATES THRU FILLER

2-01

JOINT #	LOCATION	FILLER PLATE 'T'
1	W. WALL	½"
1	CEILING	½"
1	E. WALL	½"
2	W. WALL	½"
2	CEILING	2 ½"
2	E. WALL	½"

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-61-8310

DRAWN BY PKF | PLANS CK'D ETP

QUANTITIES & REPAIR DETAILS

SHEET 2 OF 2

130

SCALE =

8

8

DIVISION -- 53-GUARDRAIL

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
					NOTE 1	NOTE 2	NOTE 3	1.00 NOTE 1	1.25	NOTE 4
236+93.76	0.00	0.07	0.00	27.35	0	0	0	0	0	0
237+18.76	25.00	0.31	0.00	19.28	0	0	22	0	28	-28
237+39.75	20.99	0.80	0.00	9.71	0	0	11	0	41	-41
237+43.76	4.01	0.82	0.00	7.39	0	0	1	0	43	-43
237+64.75	20.99	0.74	0.00	4.37	1	0	5	1	49	-48
237+89.75	25.00	0.50	0.00	3.70	1	0	4	2	54	-52
238+50.00	60.25	0.87	0.00	2.21	2	0	7	4	63	-59
238+75.00	25.00	0.93	0.00	3.13	1	0	2	5	65	-60
238+96.01	21.01	0.98	0.00	5.34	1	0	3	6	69	-63
239+00.00	3.99	1.11	0.00	6.04	0	0	1	6	70	-64
239+21.01	21.01	0.37	0.00	21.28	1	0	11	7	84	-77
239+46.01	25.00	0.04	0.00	39.53	0	0	28	7	119	-112
246+26.50	0.00	0.01	0.00	10.18	0	0	0	7	119	-112
246+51.50	25.00	0.10	0.00	3.68	0	0	6	7	126	-119
246+76.50	25.00	0.22	0.00	0.87	0	0	2	7	129	-122
247+74.25	97.75	0.27	0.00	2.47	1	0	6	8	136	-128
247+99.25	25.00	0.45	0.00	5.89	0	0	4	8	141	-133
248+24.25	25.00	0.35	0.00	9.34	0	0	7	8	150	-142
286+71.65	0.00	0.00	0.00	18.05	0	0	0	8	150	-142
286+96.65	25.00	0.15	0.00	6.19	0	0	11	8	164	-156
287+21.65	25.00	0.18	0.00	0.99	0	0	3	8	168	-160
288+27.90	106.25	0.19	0.00	4.03	1	0	10	9	180	-171
288+52.90	25.00	0.30	0.00	8.47	0	0	6	9	188	-179
288+71.68	18.78	0.33	0.00	12.23	0	0	7	9	196	-187
288+77.90	6.22	0.32	0.00	14.17	0	0	3	9	200	-191
288+96.68	18.78	0.16	0.00	14.55	0	0	10	9	213	-204
289+21.68	25.00	0.00	0.00	21.73	0	0	17	9	234	-225
306+07.51	0.00	0.55	0.00	8.66	0	0	0	9	234	-225
306+32.50	24.99	1.06	0.00	3.28	1	0	6	10	241	-231
306+57.49	24.99	0.75	0.00	0.48	1	0	2	11	244	-233
308+23.25	165.76	0.22	0.00	0.06	3	0	2	14	246	-232
308+48.25	25.00	0.00	0.00	2.28	0	0	1	14	248	-234
308+73.25	25.00	0.00	0.00	13.34	0	0	7	14	256	-242
324+13.75	0.00	0.06	0.00	62.49	0	0	0	14	256	-242
324+38.68	24.93	0.53	0.00	33.04	0	0	44	14	311	-297
324+59.85	21.17	0.59	0.00	18.87	0	0	20	14	336	-322
324+63.75	3.90	0.55	0.00	10.81	0	0	2	14	339	-325
324+84.85	21.10	0.35	0.00	12.08	0	0	9	14	350	-336
325+09.85	25.00	0.21	0.00	10.41	0	0	10	14	363	-349
325+70.00	60.15	0.37	0.00	3.00	1	0	15	15	381	-366
325+95.00	25.00	0.55	0.00	4.89	0	0	4	15	386	-371
326+16.11	21.10	0.48	0.00	12.65	0	0	7	15	395	-380
326+20.00	3.90	0.44	0.00	15.02	0	0	2	15	398	-383
326+41.10	21.10	0.16	0.00	12.23	0	0	11	15	411	-396
326+66.11	25.00	0.01	0.00	18.07	0	0	14	15	429	-414

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
4 - MASS ORDINATE	"(CUT - SALVAGED PAV") - (FILL * FILL FACTOR)]

DIVISION -- 53-GUARDRAIL

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
								1.00	1.25	
					NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 4
375+83.24	0.00	0.80	0.00	4.40	0	0	0	15	429	-414
376+07.94	24.70	0.85	0.00	0.73	1	0	2	16	431	-415
376+32.66	24.72	0.19	0.00	0.22	0	0	0	16	431	-415
392+74.73	0.00	1.04	0.00	4.23	0	0	0	16	431	-415
393+01.28	26.56	0.78	0.00	5.42	1	0	5	17	438	-421
393+27.84	26.56	0.56	0.00	36.95	1	0	21	18	464	-446
396+06.91	279.07	0.73	0.00	3.35	7	0	208	25	724	-699
396+33.46	26.55	0.82	0.00	5.62	1	0	4	26	729	-703
396+60.01	26.55	0.46	0.00	13.68	1	0	9	27	740	-713
521+33.28	0.00	0.00	0.00	1.83	0	0	0	27	740	-713
521+57.74	24.46	0.00	0.00	6.24	0	0	4	27	745	-718
521+82.16	24.42	0.00	0.00	6.39	0	0	6	27	753	-726
527+31.40	0.00	1.15	0.00	28.77	0	0	0	27	753	-726
527+42.34	10.94	1.10	0.00	20.26	0	0	10	27	765	-738
527+56.40	14.06	0.69	0.00	14.61	0	0	9	27	776	-749
527+67.54	11.14	0.55	0.00	17.84	0	0	7	27	785	-758
527+81.40	13.86	0.29	0.00	10.47	0	0	7	27	794	-767
527+92.44	11.04	0.18	0.00	8.13	0	0	4	27	799	-772
531+29.24	0.00	0.51	0.00	12.06	0	0	0	27	799	-772
531+43.56	14.32	0.49	0.00	21.44	0	0	9	27	810	-783
531+54.14	10.58	0.56	0.00	33.35	0	0	11	27	824	-797
531+68.46	14.32	0.52	0.00	41.08	0	0	20	27	849	-822
531+79.14	10.68	0.49	0.00	51.16	0	0	18	27	871	-844
531+93.56	14.42	0.61	0.00	39.74	0	0	24	27	901	-874
576+81.26	0.00	0.68	0.00	70.48	0	0	0	27	901	-874
576+98.00	16.75	0.59	0.00	49.63	0	0	37	27	948	-921
577+06.26	8.25	0.47	0.00	31.77	0	0	12	27	963	-936
577+23.00	16.75	0.79	0.00	14.83	0	0	14	27	980	-953
577+31.26	8.25	0.95	0.00	12.23	0	0	4	27	985	-958
577+48.00	16.75	1.16	0.00	4.17	1	0	5	28	991	-963
579+25.00	0.00	3.08	0.00	0.00	0	0	0	28	991	-963
579+29.25	4.25	3.29	0.00	0.01	1	0	0	29	991	-962
579+50.00	20.75	3.27	0.00	5.99	3	0	2	32	994	-962
579+54.25	4.25	3.31	0.00	5.56	1	0	1	33	995	-962
579+75.00	20.76	7.02	0.00	18.80	4	0	9	37	1,006	-969
579+79.25	4.24	7.12	0.00	19.36	1	0	3	38	1,010	-972

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	"HIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	"(CUT - SALVAGED PAV") - (FILL * FILL FACTOR)]

DIVISION -- 53-GUARDRAIL

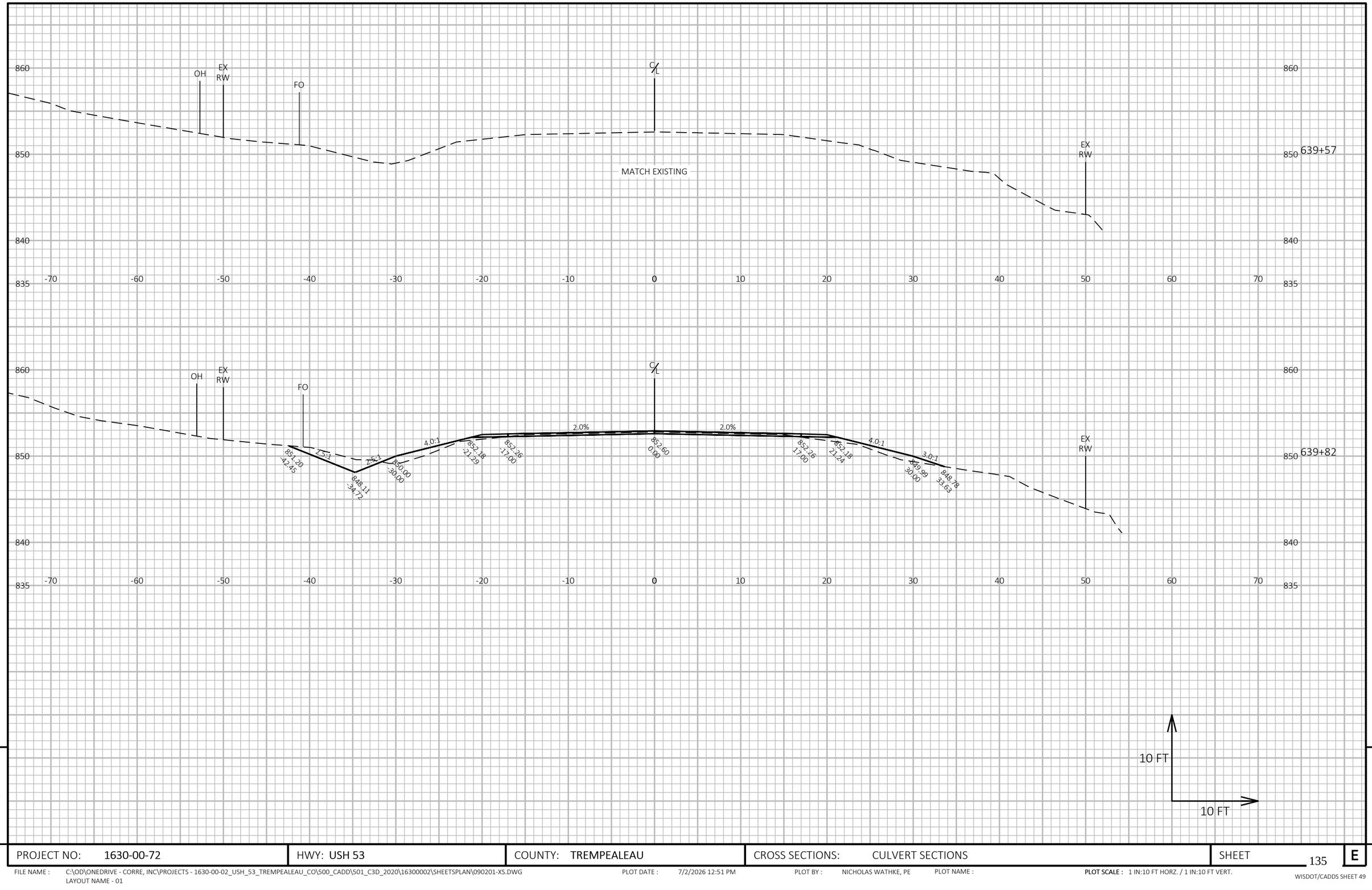
STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
								1.00	1.25	
					NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 4
599+93.26	0.00	0.21	0.00	10.71	0	0	0	38	1,010	-972
600+18.26	25.00	0.63	0.00	11.08	0	0	10	38	1,023	-985
600+43.25	25.00	0.34	0.00	4.33	0	0	7	38	1,031	-993
600+60.00	16.74	0.78	0.00	6.45	0	0	3	38	1,035	-997
600+85.00	25.00	1.09	0.00	2.01	1	0	4	39	1,040	-1,001
601+10.00	25.00	0.75	0.00	3.26	1	0	2	40	1,043	-1,003
601+62.00	52.00	0.48	0.00	3.56	1	0	7	41	1,051	-1,010
601+87.00	25.00	0.76	0.00	5.53	1	0	4	42	1,056	-1,014
602+03.74	16.74	1.10	0.00	8.68	1	0	4	43	1,061	-1,018
602+12.00	8.26	1.11	0.00	10.31	0	0	3	43	1,065	-1,022
602+28.74	16.74	1.24	0.00	8.16	1	0	6	44	1,073	-1,029
602+53.75	25.00	0.36	0.00	14.33	1	0	10	45	1,085	-1,040
682+14.88	0.00	1.46	0.00	0.18	0	0	0	45	1,085	-1,040
682+39.86	24.98	0.00	0.00	1.89	1	0	1	46	1,086	-1,040
682+64.84	24.98	0.00	0.00	0.72	0	0	1	46	1,088	-1,042
686+10.70	0.00	5.27	0.00	0.00	0	0	0	46	1,088	-1,042
686+35.68	24.98	0.28	0.00	1.10	3	0	1	49	1,089	-1,040
686+60.60	24.92	0.11	0.00	0.58	0	0	1	49	1,090	-1,041
690+73.58	0.00	0.23	0.00	1.53	0	0	0	49	1,090	-1,041
690+98.54	24.96	1.01	0.00	1.07	1	0	1	50	1,091	-1,041
690+99.28	0.74	1.03	0.00	1.01	0	0	0	50	1,091	-1,041
691+22.94	23.66	1.52	0.00	3.12	1	0	2	51	1,094	-1,043
691+25.01	2.07	1.55	0.00	3.68	0	0	0	51	1,094	-1,043
691+47.28	22.27	1.56	0.00	13.62	1	0	7	52	1,103	-1,051
708+12.16	0.00	0.17	0.00	2.93	0	0	0	52	1,103	-1,051
708+37.13	24.97	0.50	0.00	0.49	0	0	2	52	1,105	-1,053
708+62.10	24.97	0.72	0.00	0.02	1	0	0	53	1,105	-1,052
709+93.63	0.00	0.96	0.00	3.55	0	0	0	53	1,105	-1,052
710+18.60	24.98	0.72	0.00	2.36	1	0	3	54	1,109	-1,055
710+43.58	24.98	0.92	0.00	0.34	1	0	1	55	1,110	-1,055
713+41.05	0.00	0.05	0.00	55.66	0	0	0	55	1,110	-1,055
713+66.04	24.99	0.07	0.00	56.24	0	0	52	55	1,175	-1,120
713+91.02	24.99	0.64	0.00	19.27	0	0	35	55	1,219	-1,164
717+34.91	0.00	0.14	0.00	0.86	0	0	0	55	1,219	-1,164
717+59.93	25.02	0.35	0.00	4.97	0	0	3	55	1,223	-1,168
717+84.95	25.02	0.23	0.00	22.52	0	0	13	55	1,239	-1,184

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
4 - MASS ORDINATE	[(CUT - SALVAGED PAV) - (FILL * FILL FACTOR)]

DIVISION -- 53-GUARDRAIL

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
					NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 4
722+48.28	0.00	0.00	0.00	0.86	0	0	0	55	1,239	-1,184
722+72.79	24.50	0.00	0.00	1.71	0	0	1	55	1,240	-1,185
722+97.33	24.55	0.00	0.00	0.00	0	0	1	55	1,241	-1,186
724+02.44	0.00	0.21	0.00	11.75	0	0	0	55	1,241	-1,186
724+27.88	25.44	0.30	0.00	14.40	0	0	12	55	1,256	-1,201
724+53.26	25.38	0.03	0.00	20.60	0	0	16	55	1,276	-1,221
725+59.78	0.00	0.30	0.00	0.75	0	0	0	55	1,276	-1,221
725+85.16	25.38	0.68	0.00	1.19	0	0	1	55	1,278	-1,223
725+96.89	11.72	0.98	0.00	2.88	0	0	1	55	1,279	-1,224
726+10.60	13.71	0.80	0.00	14.62	0	0	4	55	1,284	-1,229
726+21.48	10.89	0.35	0.00	16.00	0	0	6	55	1,291	-1,236
726+46.06	24.58	0.00	0.00	35.70	0	0	24	55	1,321	-1,266
889+43.07	0.00	1.66	0.00	51.02	0	0	0	55	1,321	-1,266
889+67.58	24.50	1.31	0.00	34.06	1	0	39	56	1,370	-1,314
889+92.13	24.56	1.48	0.00	6.33	1	0	18	57	1,393	-1,336
940+33.15	0.00	2.77	0.00	2.52	0	0	0	57	1,393	-1,336
940+45.65	12.50	3.47	0.00	1.77	1	0	1	58	1,394	-1,336
940+58.16	12.52	2.98	0.00	5.18	1	0	2	59	1,396	-1,337
940+70.63	12.47	2.45	0.00	12.04	1	0	4	60	1,401	-1,341
940+83.15	12.52	1.16	0.00	19.83	1	0	7	61	1,410	-1,349
940+95.65	12.50	1.00	0.00	31.05	1	0	12	62	1,425	-1,363
942+31.02	0.00	0.53	0.00	2.30	0	0	0	62	1,425	-1,363
942+56.02	25.00	0.86	0.00	9.71	1	0	6	63	1,433	-1,370
942+81.02	25.00	2.37	0.00	8.83	1	0	9	64	1,444	-1,380

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	"HIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	"(CUT - SALVAGED PAV") - (FILL * FILL FACTOR)]



9

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PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: CULVERT SECTIONS	SHEET 135	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 01

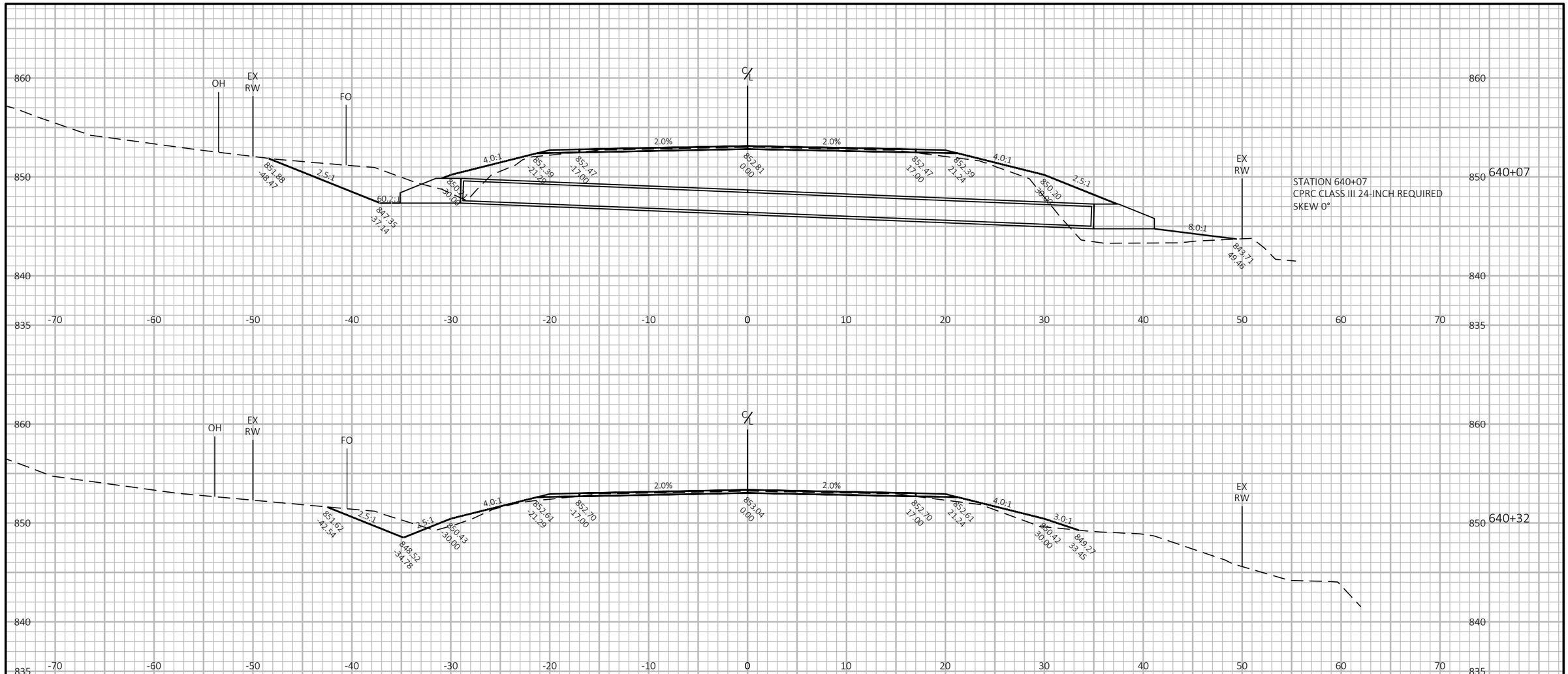
PLOT DATE : 7/2/2026 12:51 PM

PLOT BY : NICHOLAS WATHKE, PE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: CULVERT SECTIONS	SHEET 136	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 02

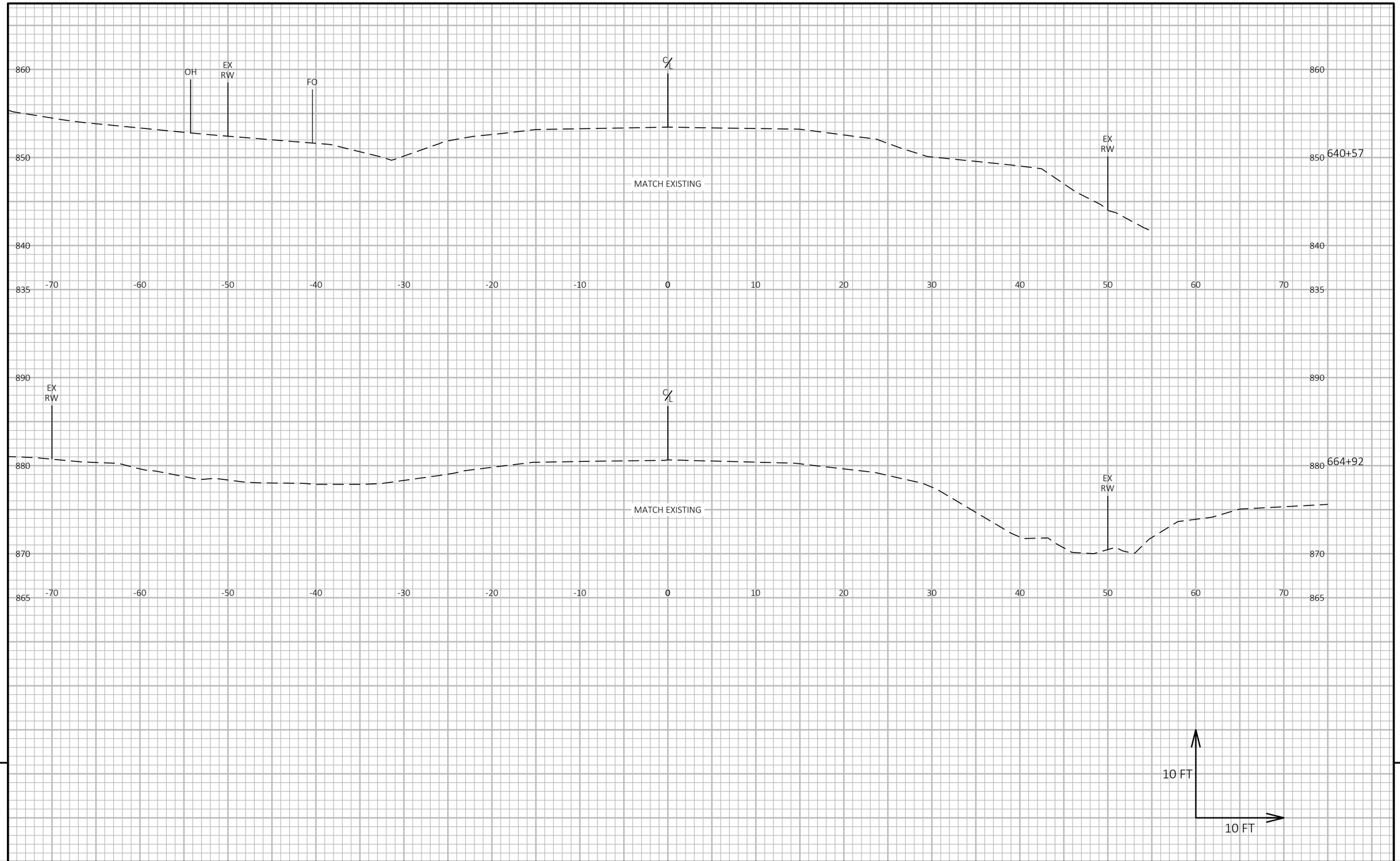
PLOT DATE : 7/2/2026 12:51 PM

PLOT BY : NICHOLAS WATHKE, PE

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: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: CULVERT SECTIONS	SHEET 137	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 03

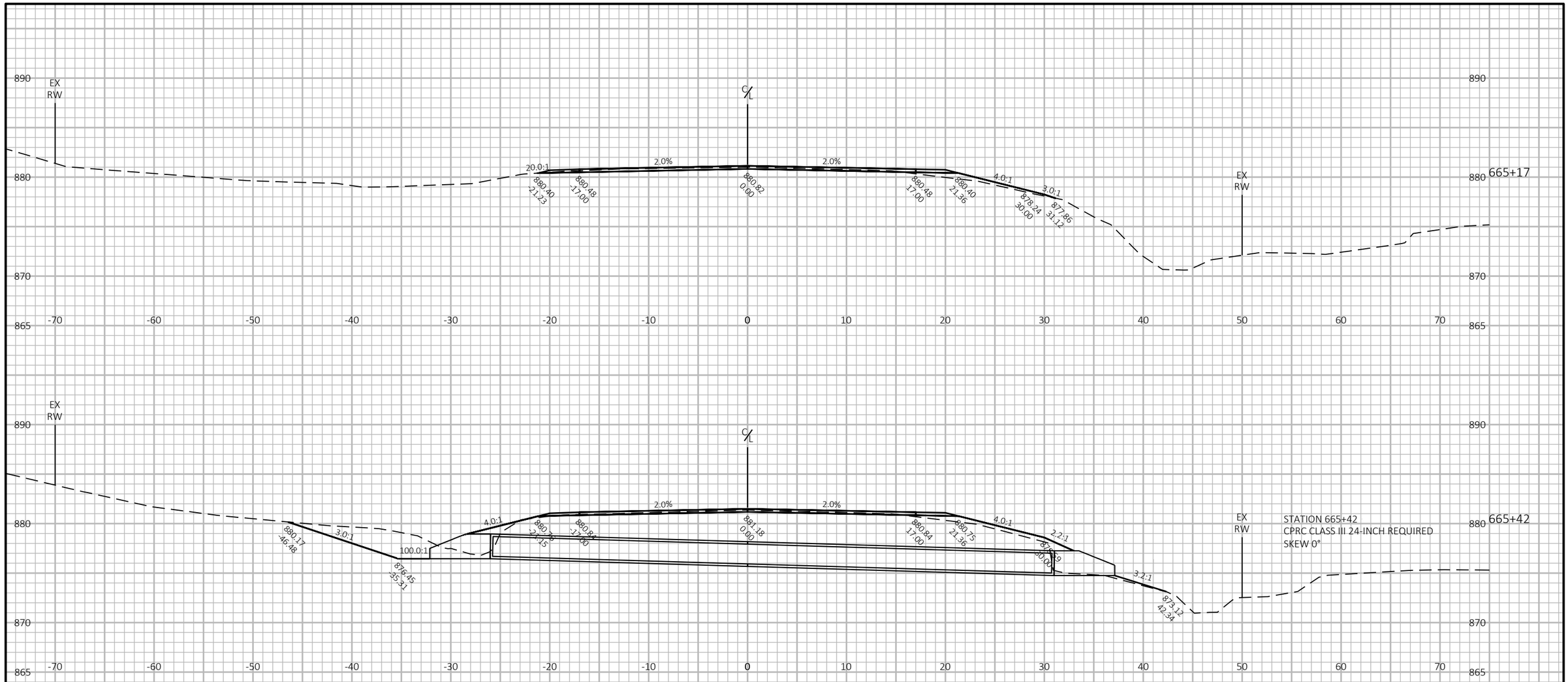
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PLOT BY : NICHOLAS WATHKE, PE

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: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: CULVERT SECTIONS	SHEET 138	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 04

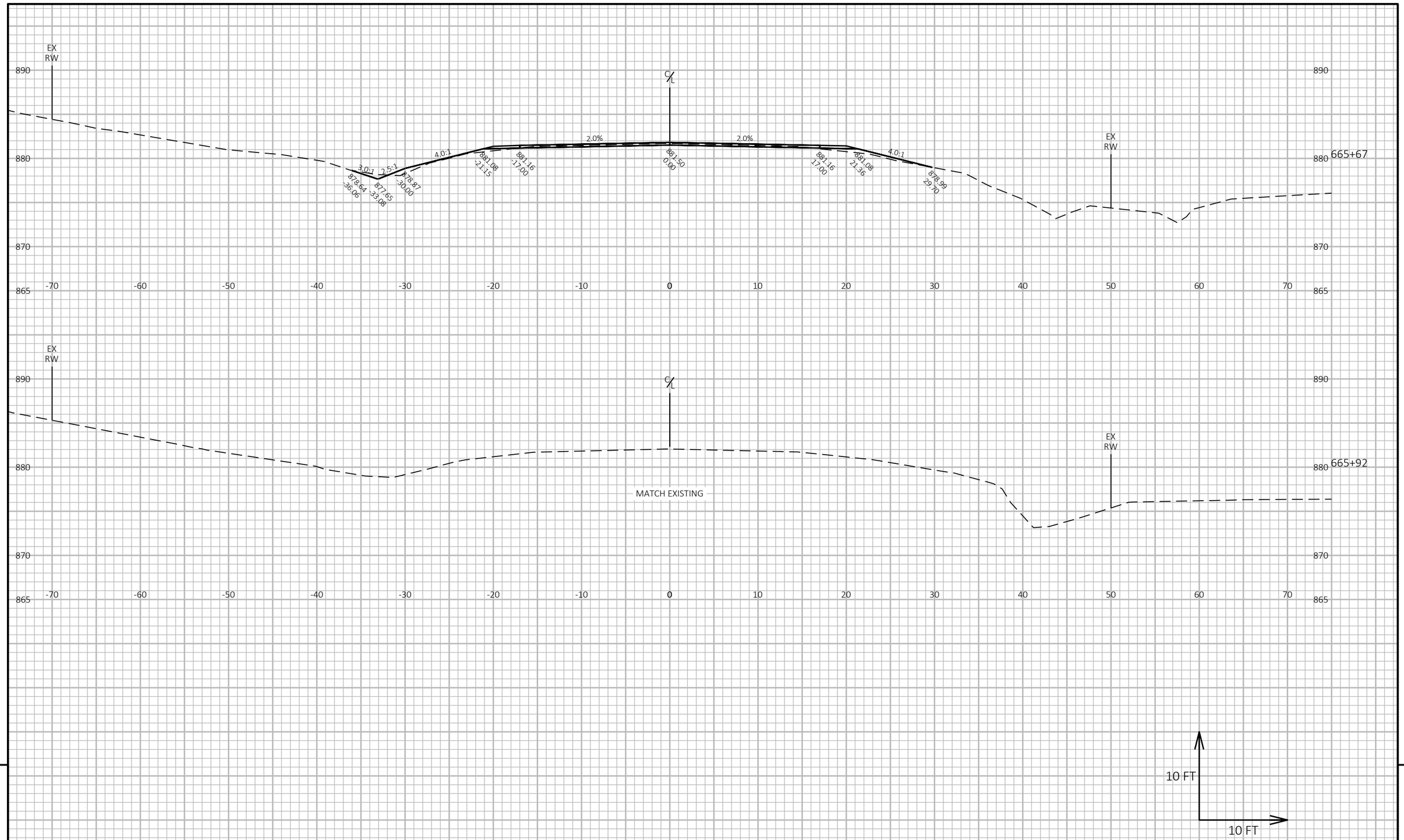
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PLOT BY : NICHOLAS WATHKE, PE

PLOT NAME :

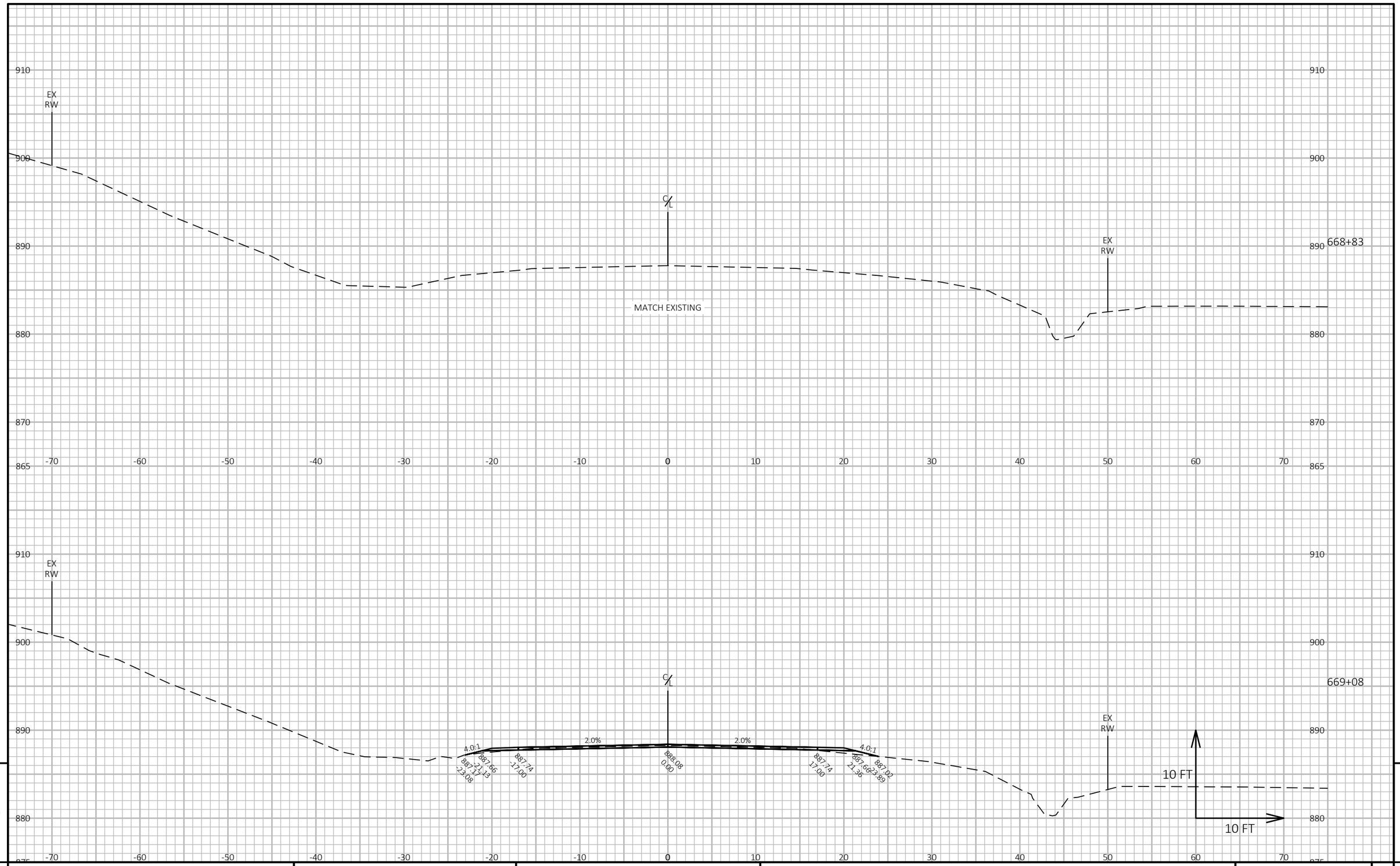
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: CULVERT SECTIONS	SHEET 139	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 05
PLOT DATE : 7/2/2026 12:52 PM
PLOT BY : NICHOLAS WATHKE, PE
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: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: CULVERT SECTIONS	SHEET 140	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 06

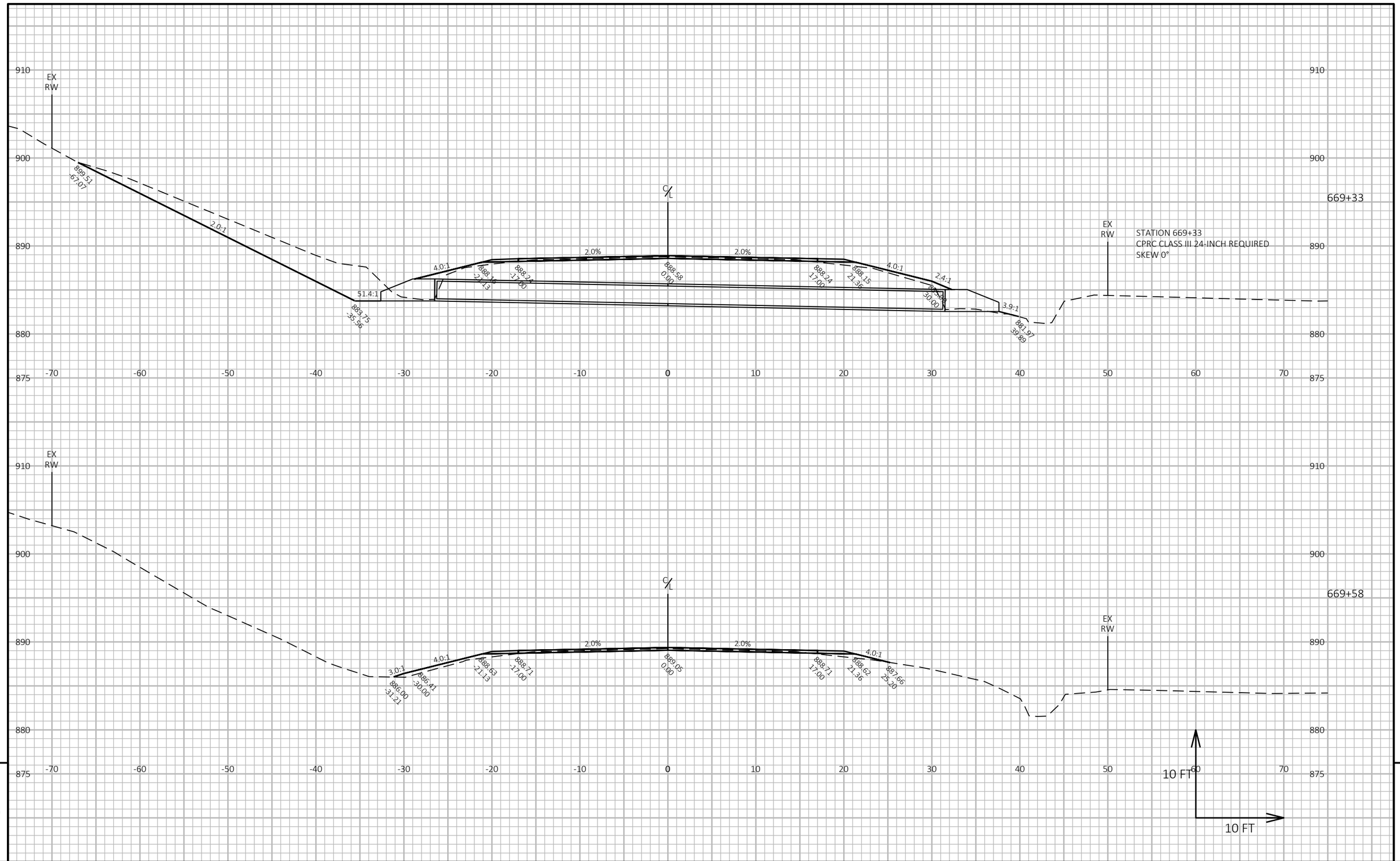
PLOT DATE : 7/2/2026 12:52 PM

PLOT BY : NICHOLAS WATHKE, PE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: CULVERT SECTIONS	SHEET 141	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 07

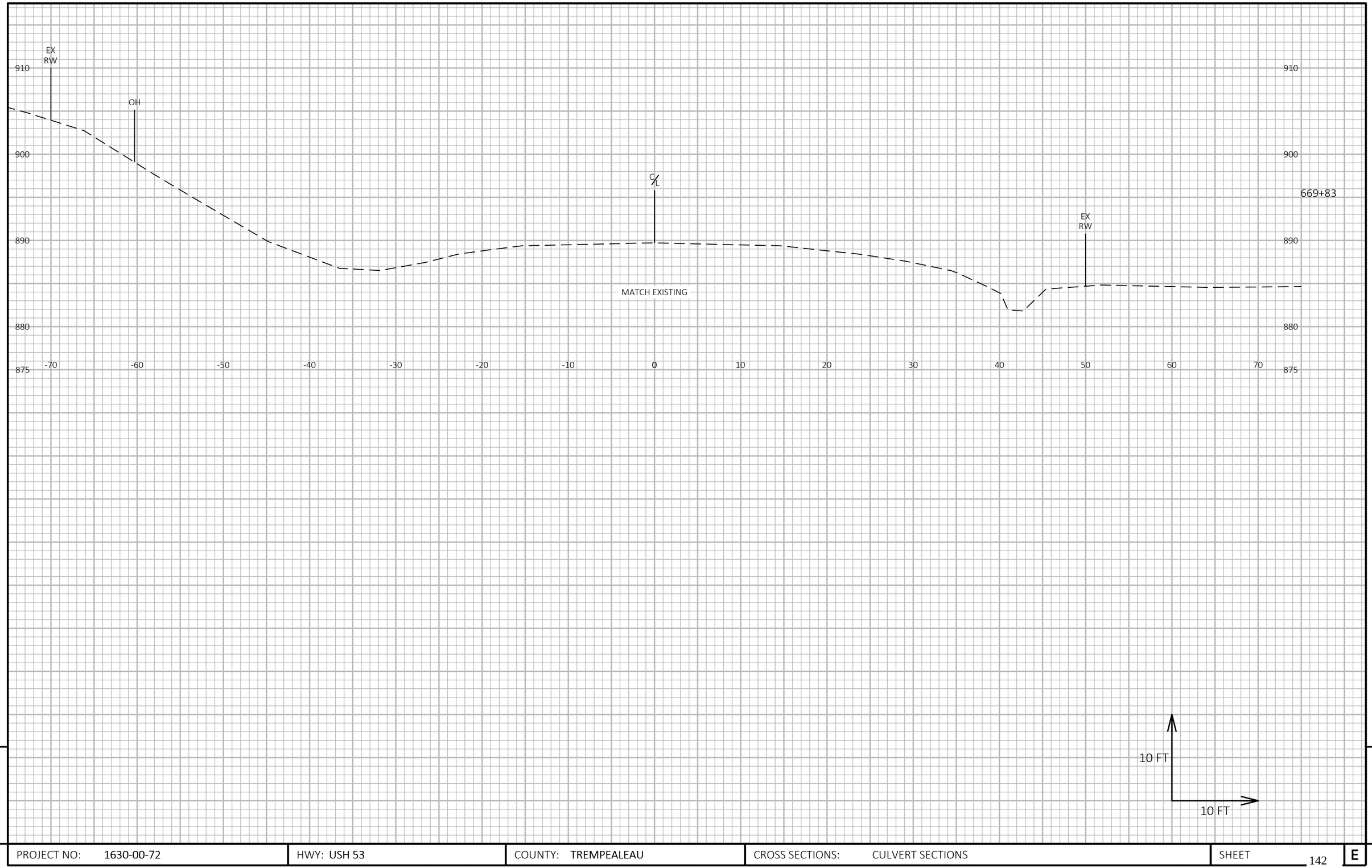
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PLOT BY : NICHOLAS WATHKE, PE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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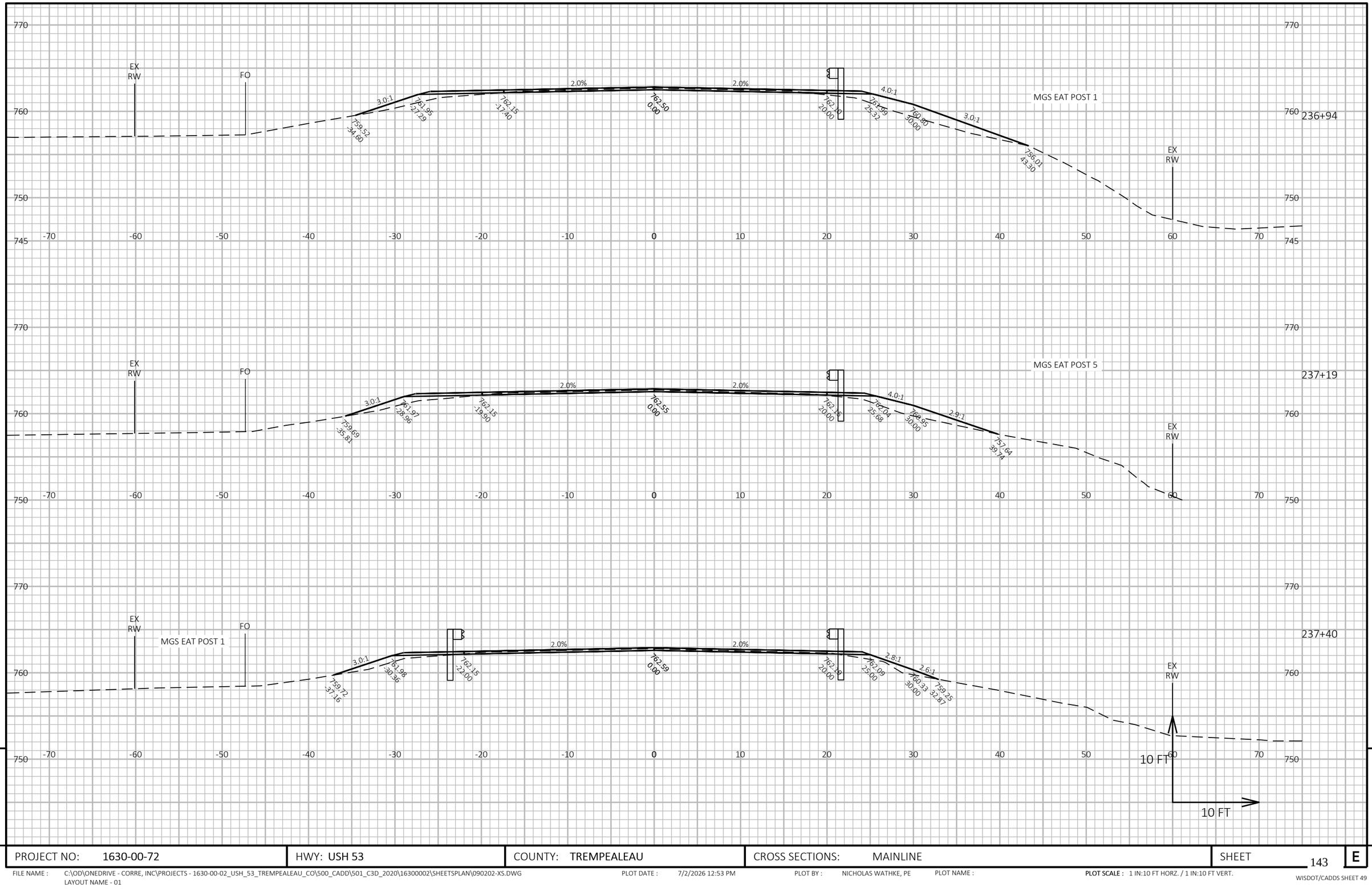
PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: CULVERT SECTIONS	SHEET 142	E

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LAYOUT NAME - 08

PLOT DATE : 7/2/2026 12:52 PM PLOT BY : NICHOLAS WATHKE, PE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 143	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 01

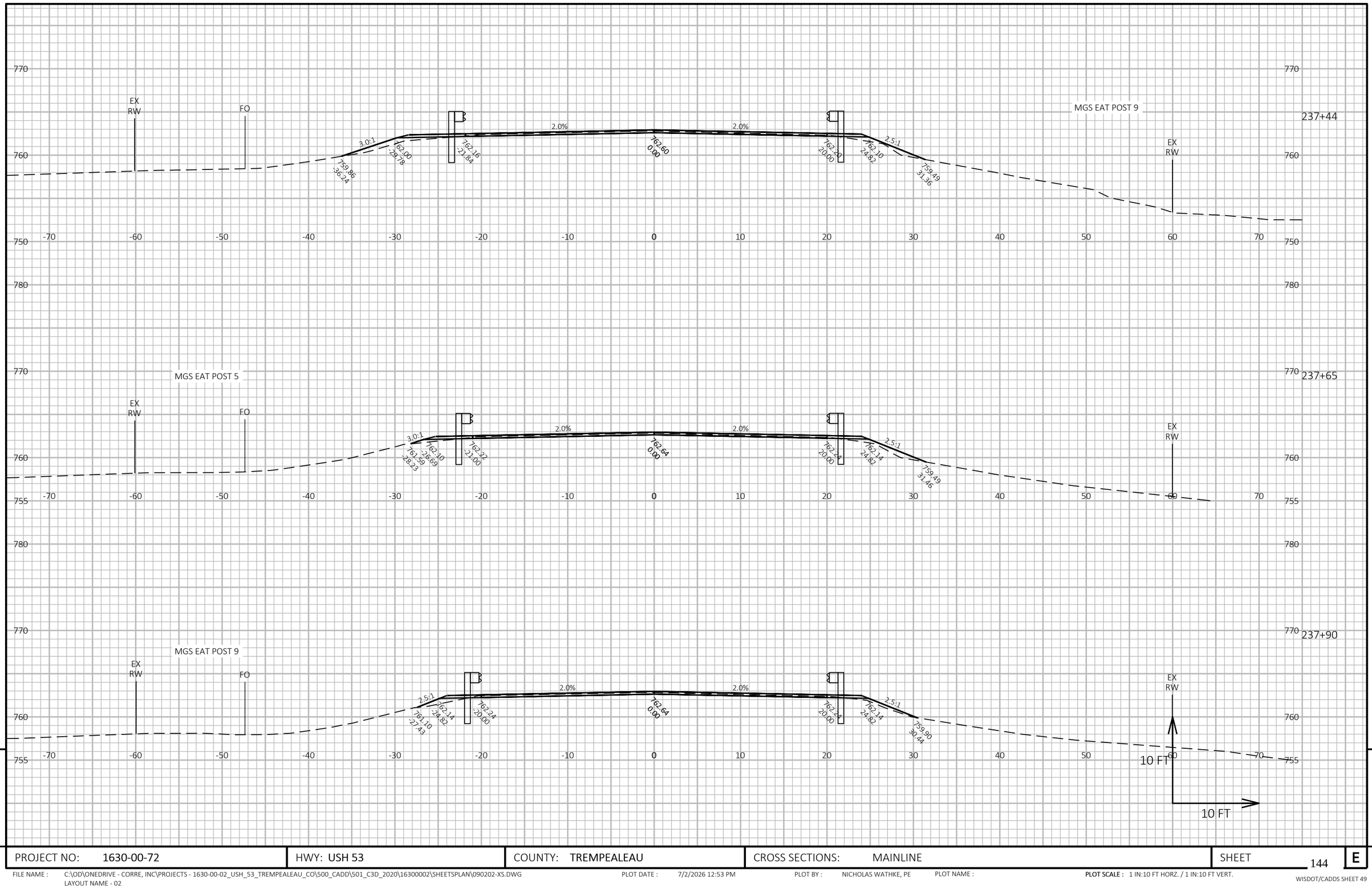
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PLOT BY : NICHOLAS WATHKE, PE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 144	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 02

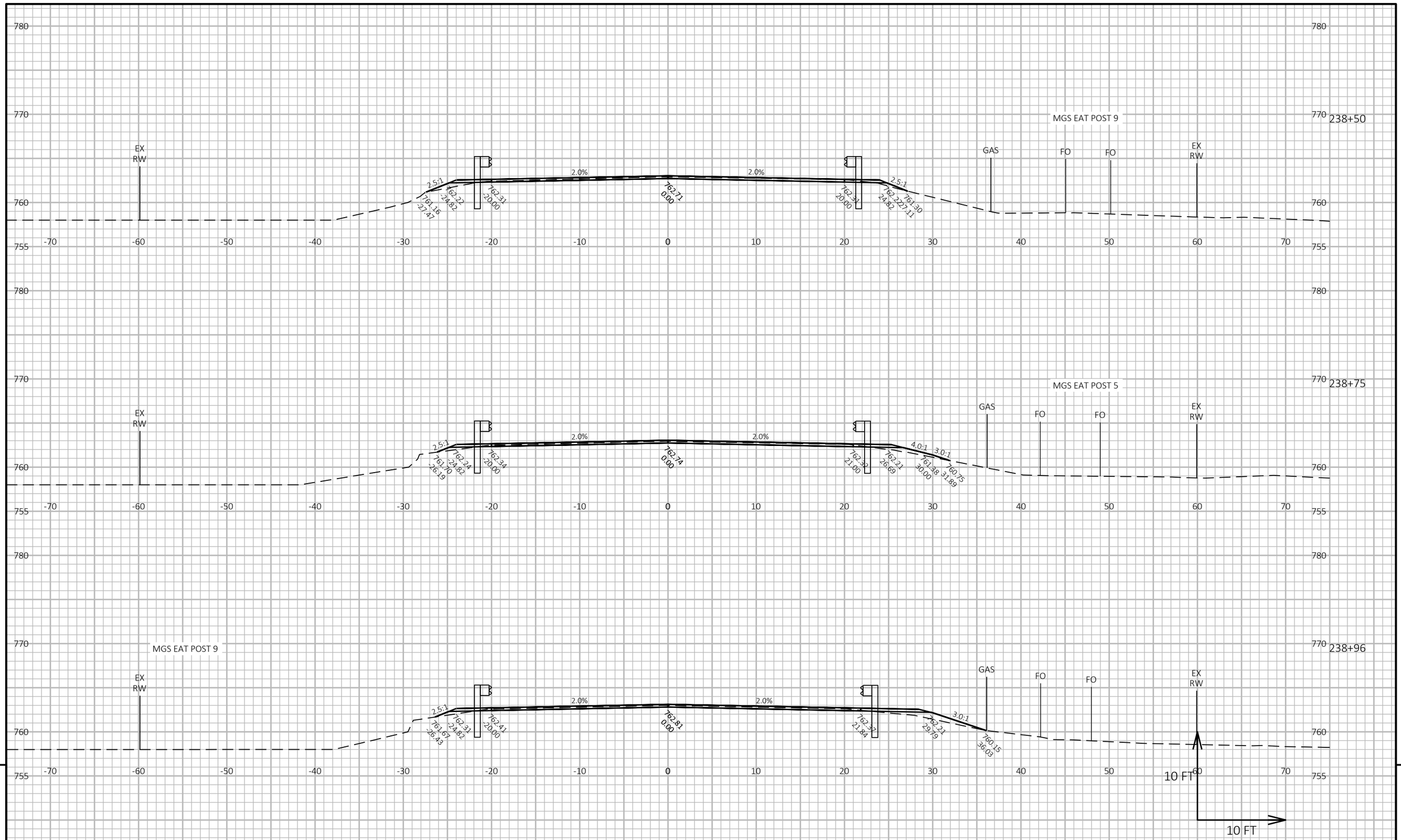
PLOT DATE : 7/2/2026 12:53 PM

PLOT BY : NICHOLAS WATHKE, PE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 145	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 03

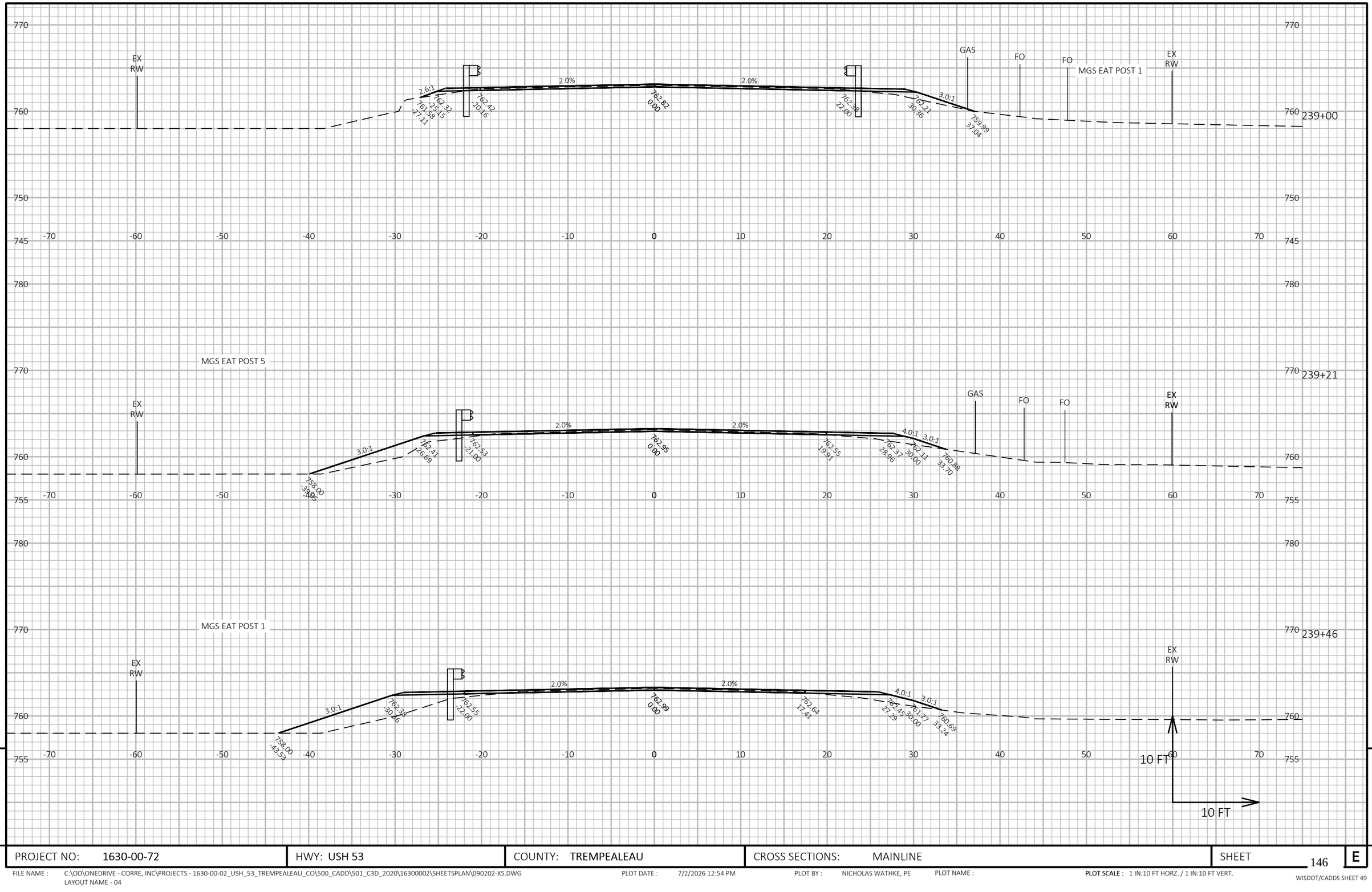
PLOT DATE : 7/2/2026 12:54 PM

PLOT BY : NICHOLAS WATHKE, PE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 146	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 04

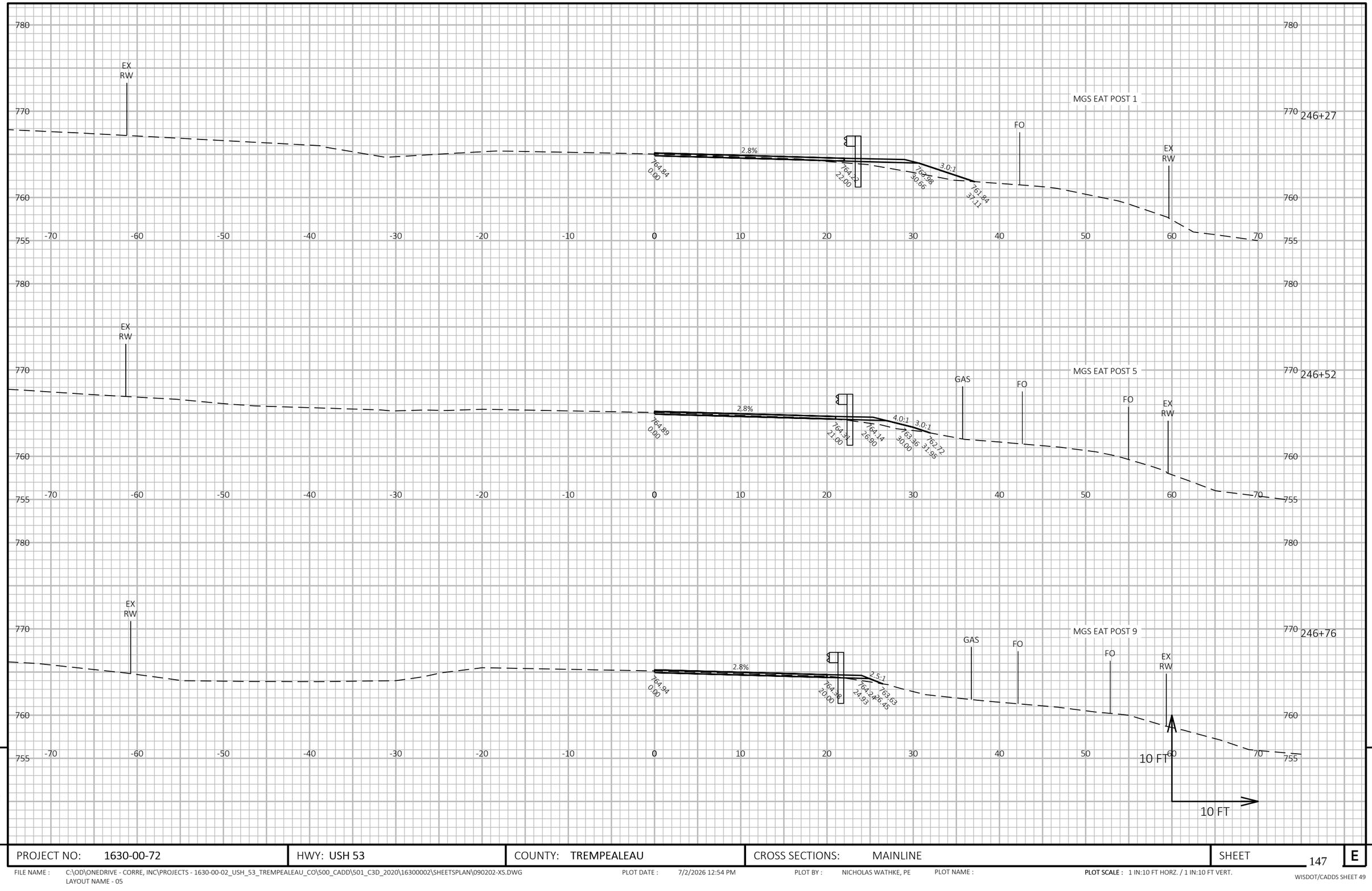
PLOT DATE : 7/2/2026 12:54 PM

PLOT BY : NICHOLAS WATHKE, PE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

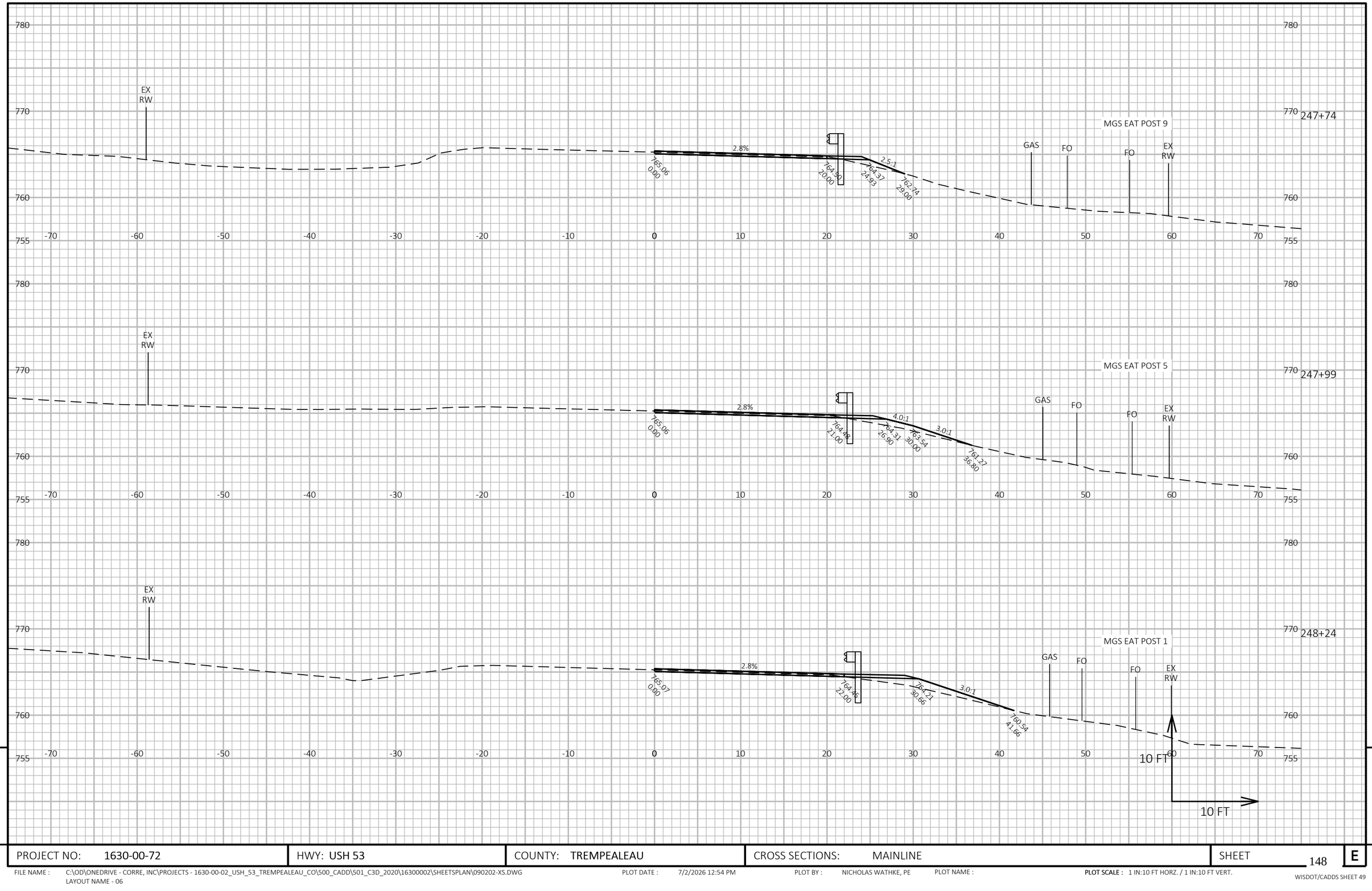


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PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 147	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 05

PLOT DATE : 7/2/2026 12:54 PM PLOT BY : NICHOLAS WATHKE, PE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

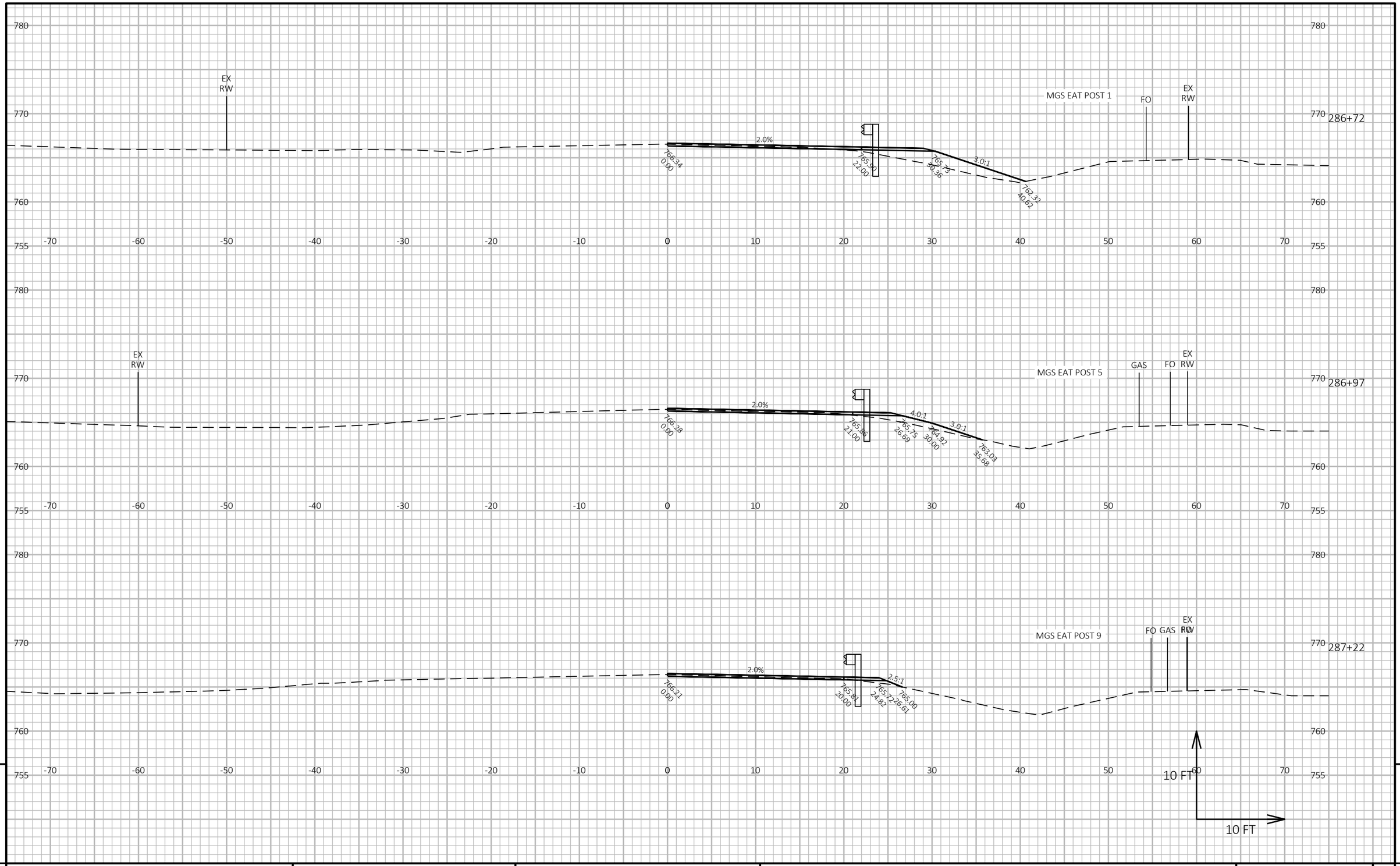


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PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 148	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/2/2026 12:54 PM PLOT BY : NICHOLAS WATHKE, PE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 149	E

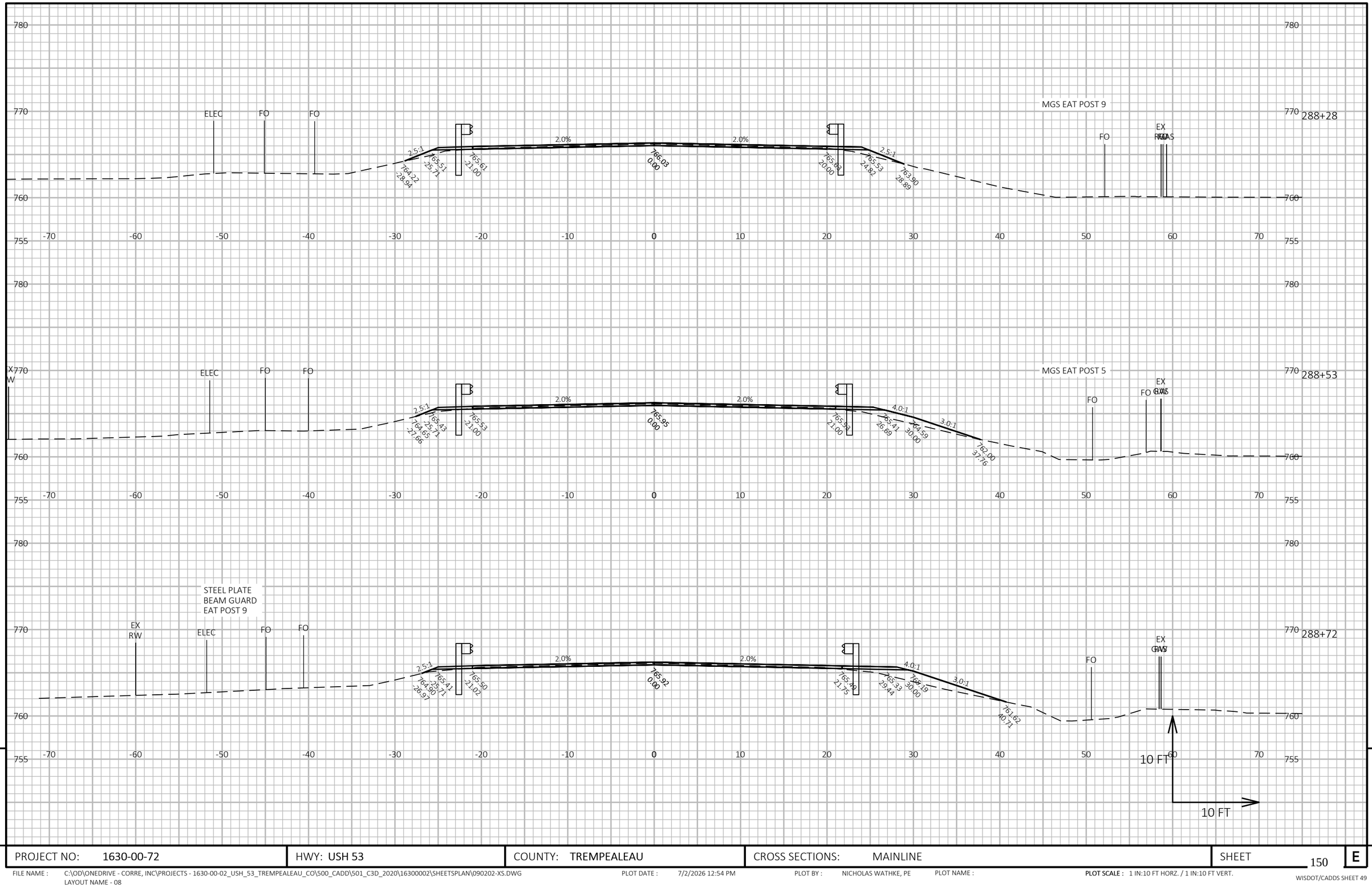
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LAYOUT NAME - 07

PLOT DATE : 7/2/2026 12:54 PM

PLOT BY : NICHOLAS WATHKE, PE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 150	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 08

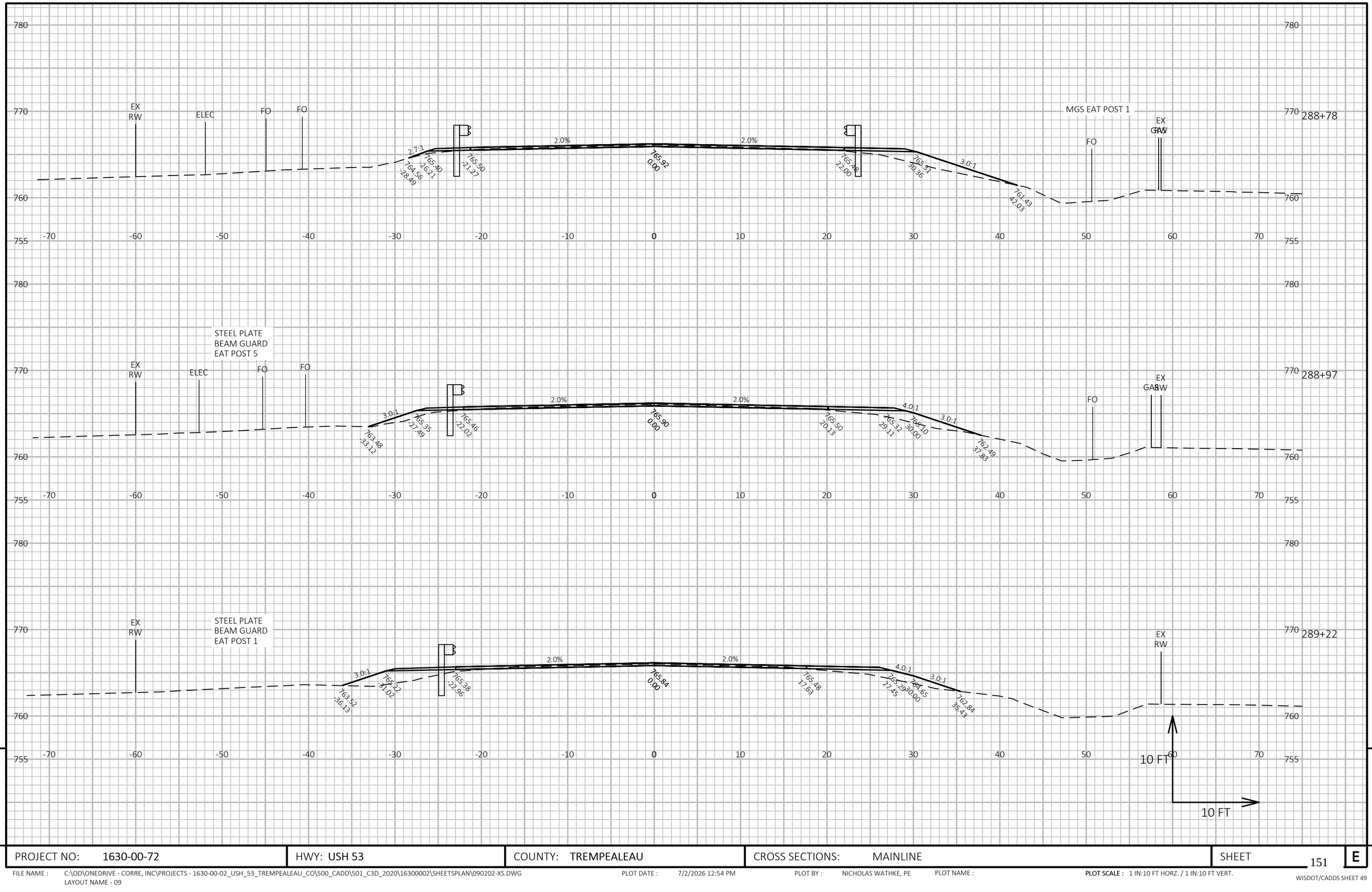
PLOT DATE : 7/2/2026 12:54 PM

PLOT BY : NICHOLAS WATHKE, PE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

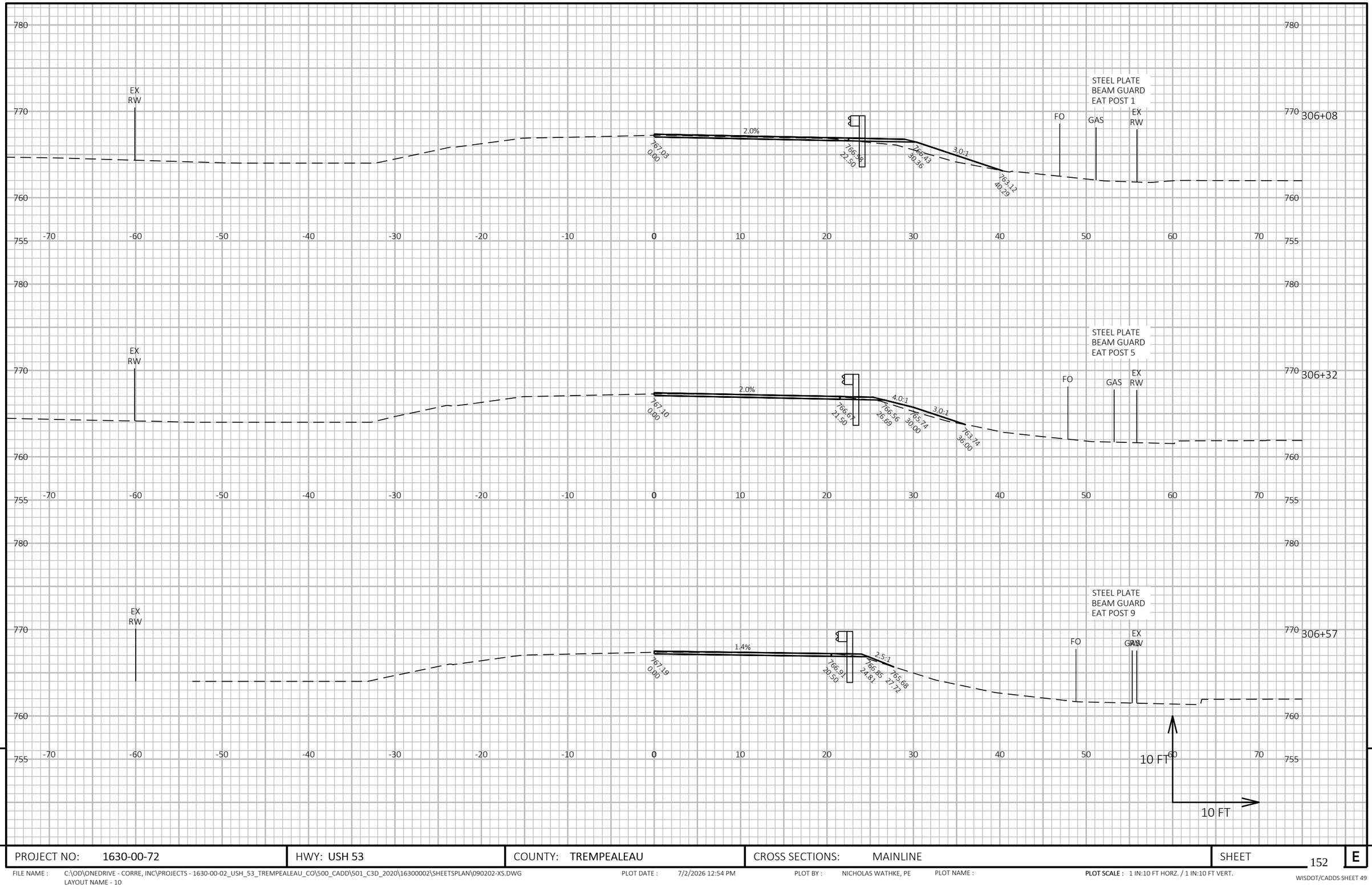


PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 151 E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 09

PLOT DATE : 7/2/2026 12:54 PM PLOT BY : NICHOLAS WATHKE, PE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 152	E

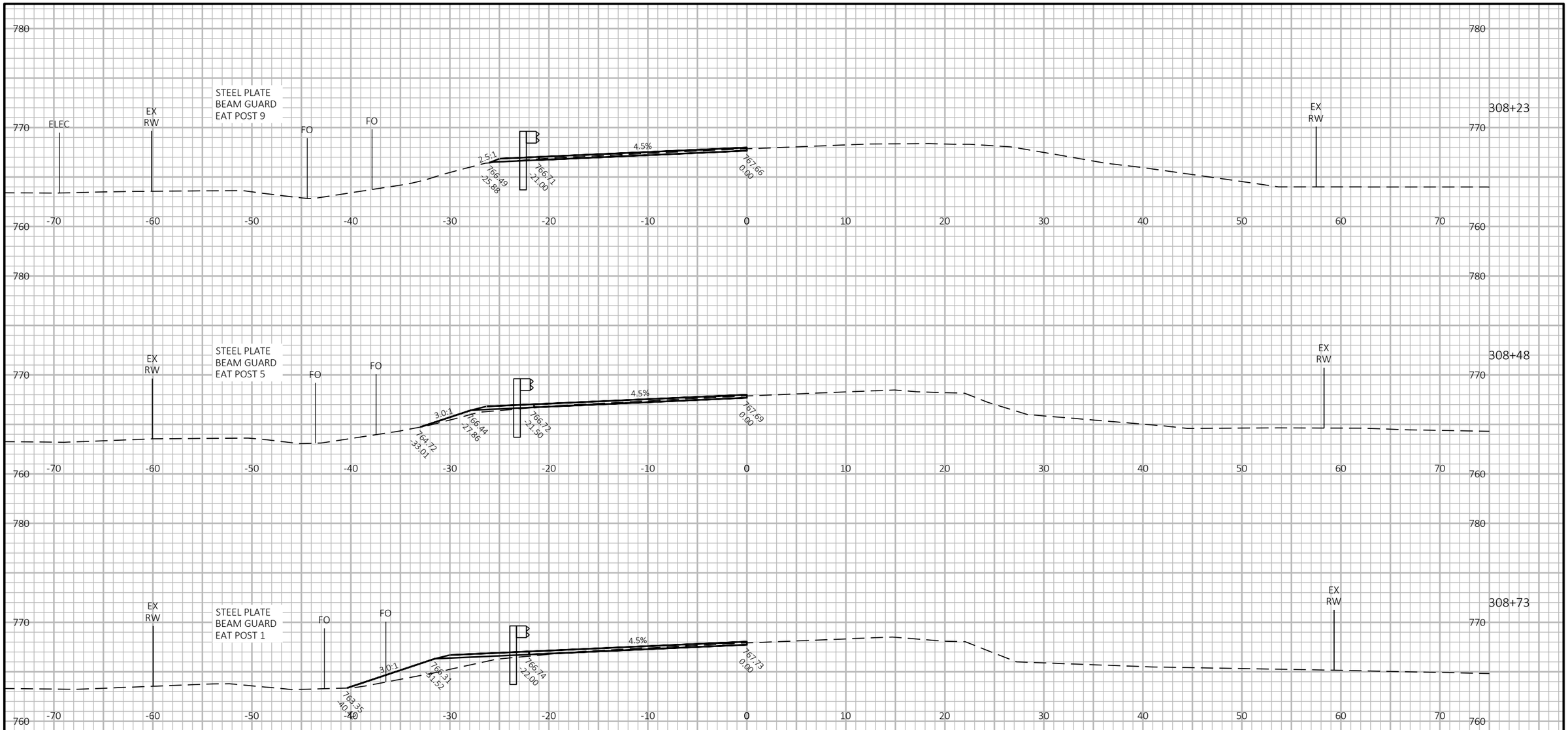
FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 10

PLOT DATE : 7/2/2026 12:54 PM

PLOT BY : NICHOLAS WATHKE, PE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 153	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 11

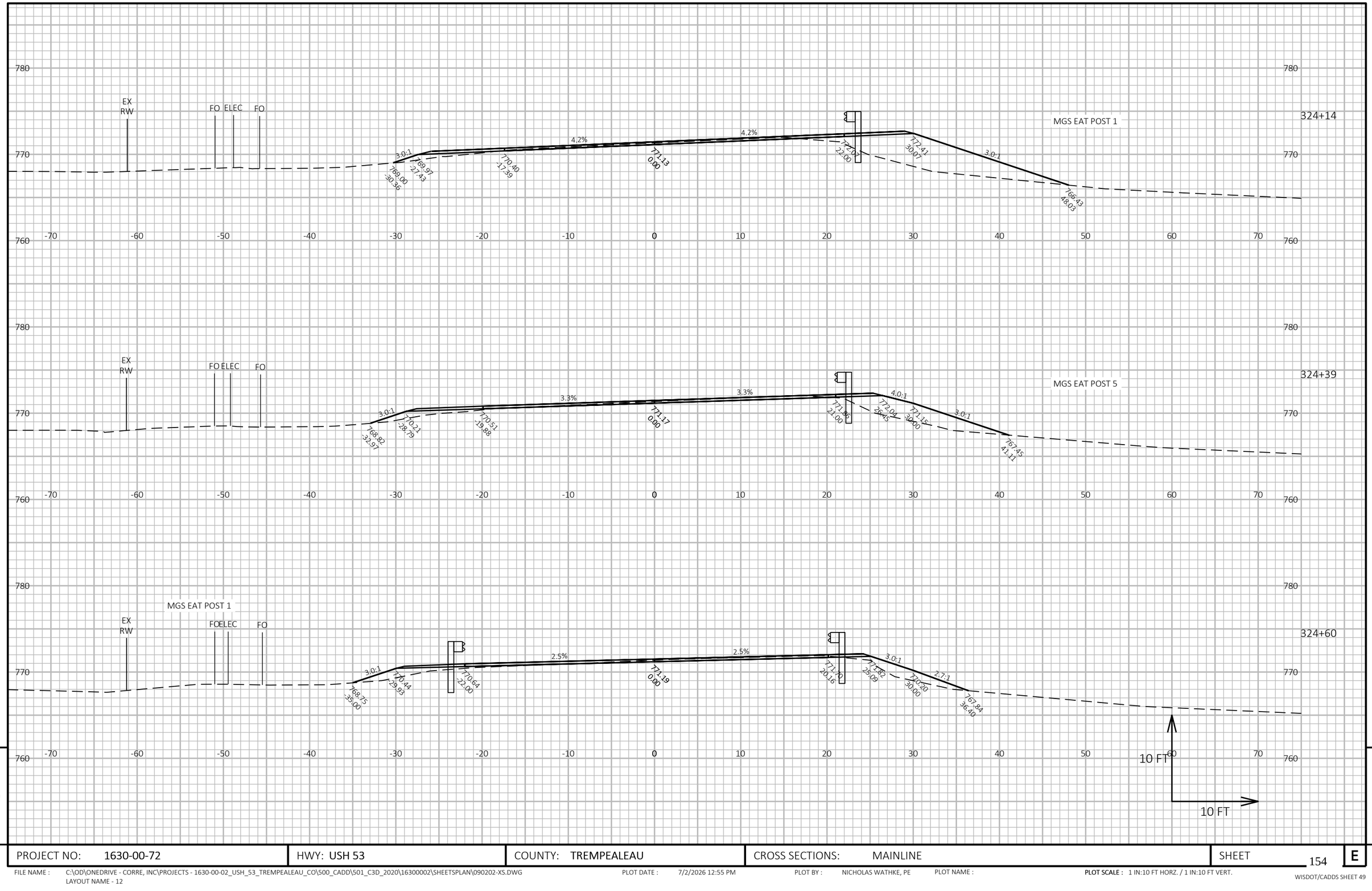
PLOT DATE : 7/2/2026 12:55 PM

PLOT BY : NICHOLAS WATHKE, PE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



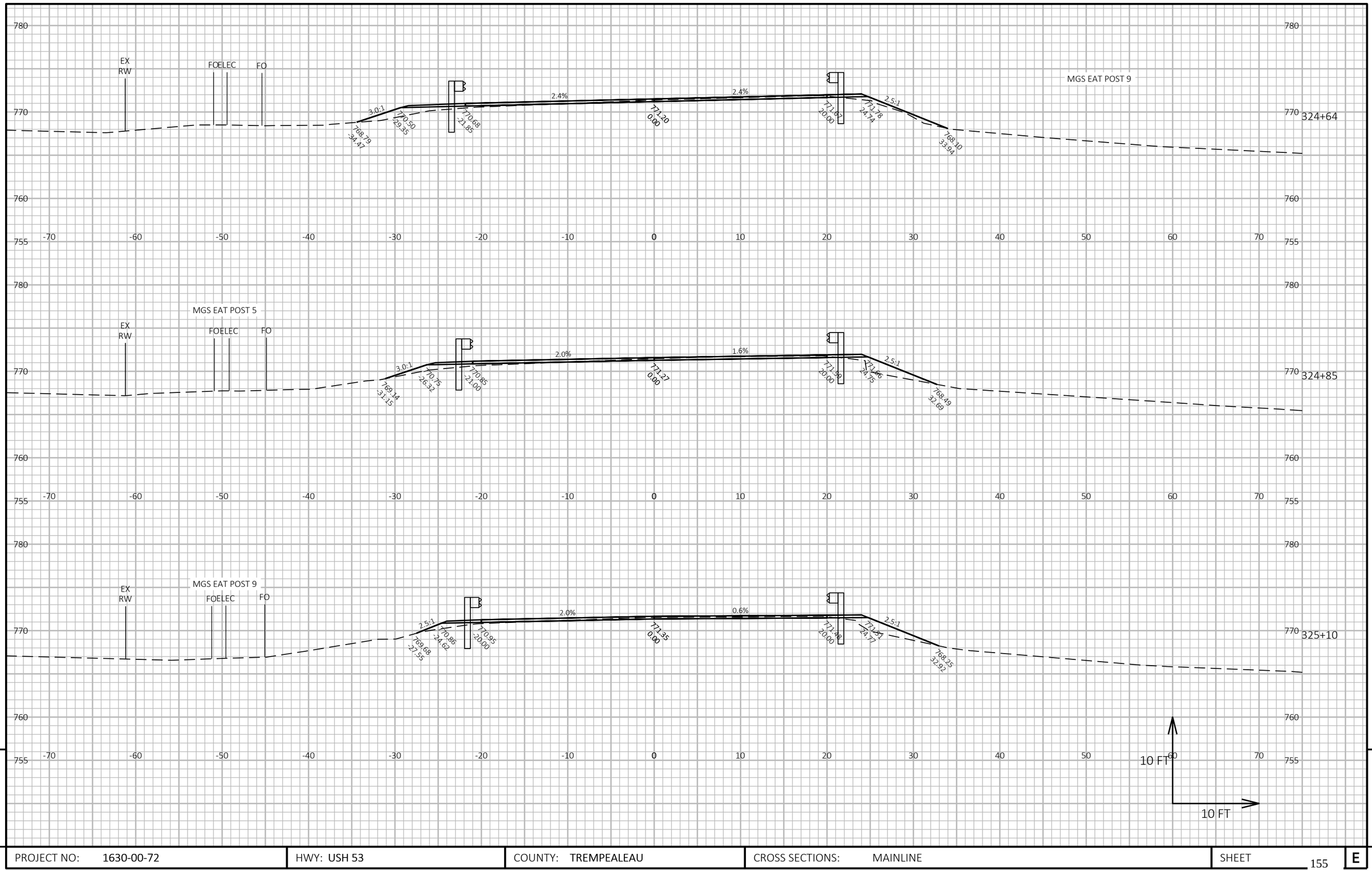
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PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 154	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 12

PLOT DATE : 7/2/2026 12:55 PM PLOT BY : NICHOLAS WATHKE, PE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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9

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 155	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 13

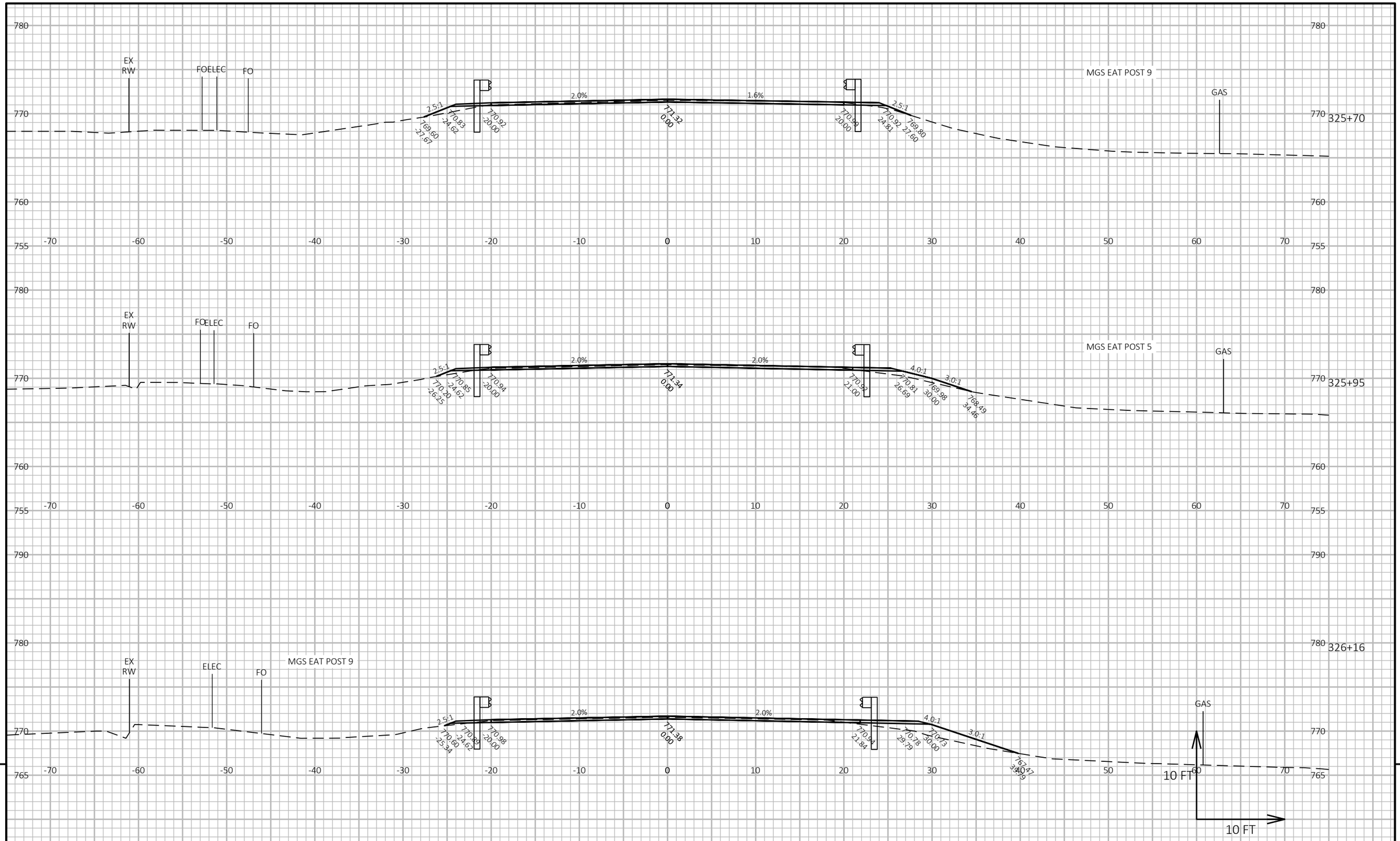
PLOT DATE : 7/2/2026 12:55 PM

PLOT BY : NICHOLAS WATHKE, PE

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: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 156	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 14

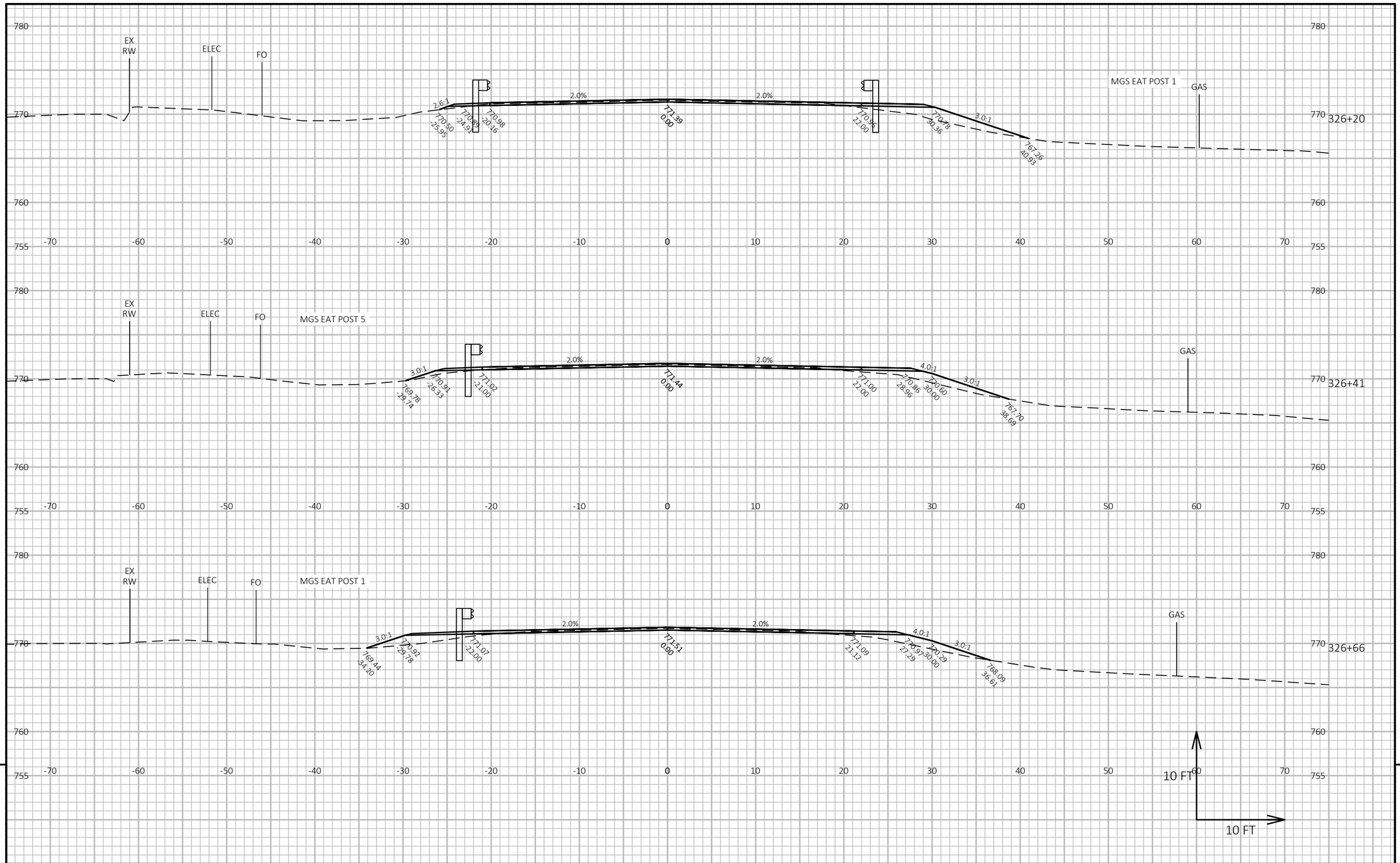
PLOT DATE : 7/2/2026 12:55 PM

PLOT BY : NICHOLAS WATHKE, PE

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: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 157	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 15

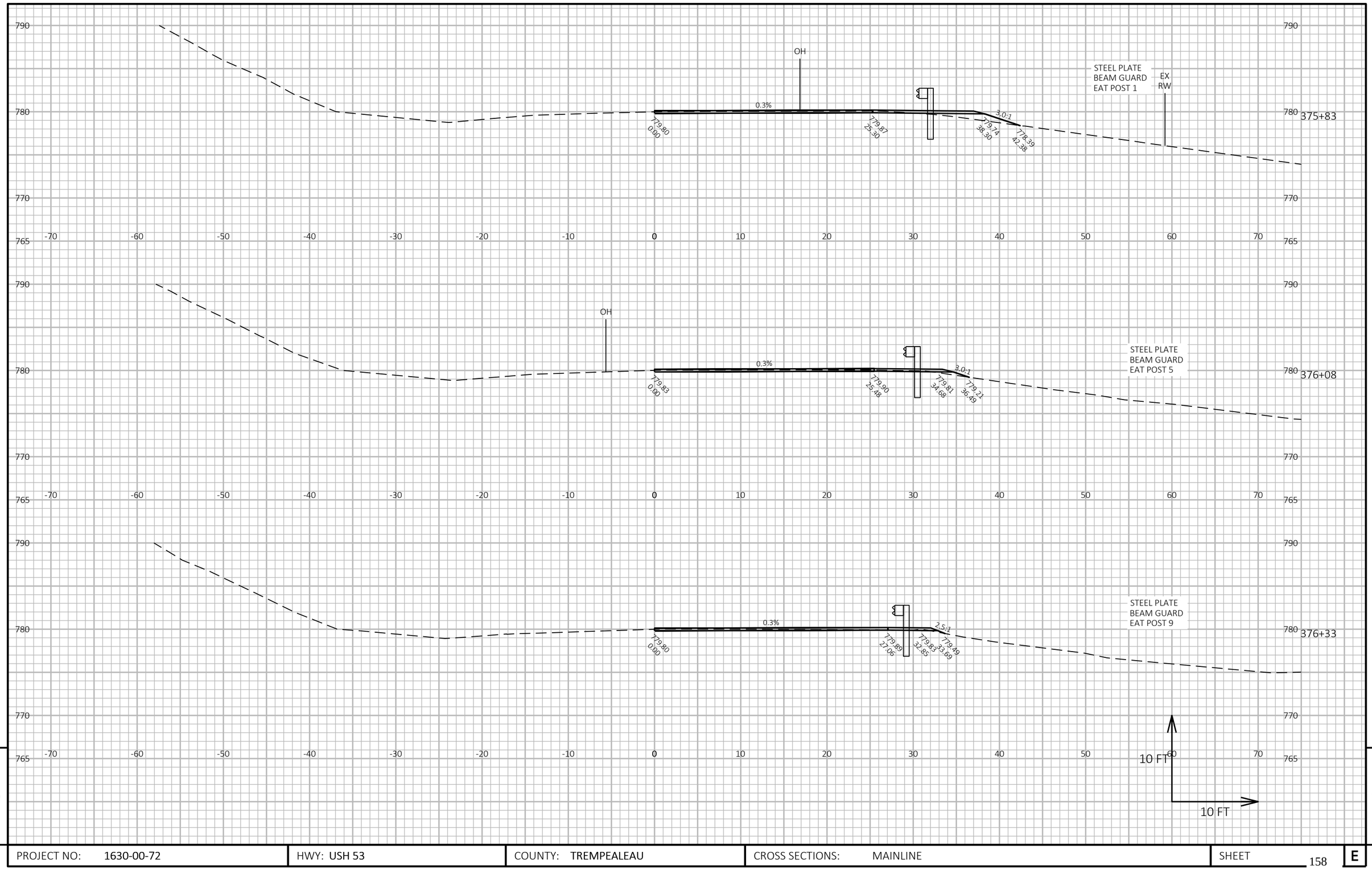
PLOT DATE : 7/2/2026 12:55 PM

PLOT BY : NICHOLAS WATHKE, PE

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: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 158	E

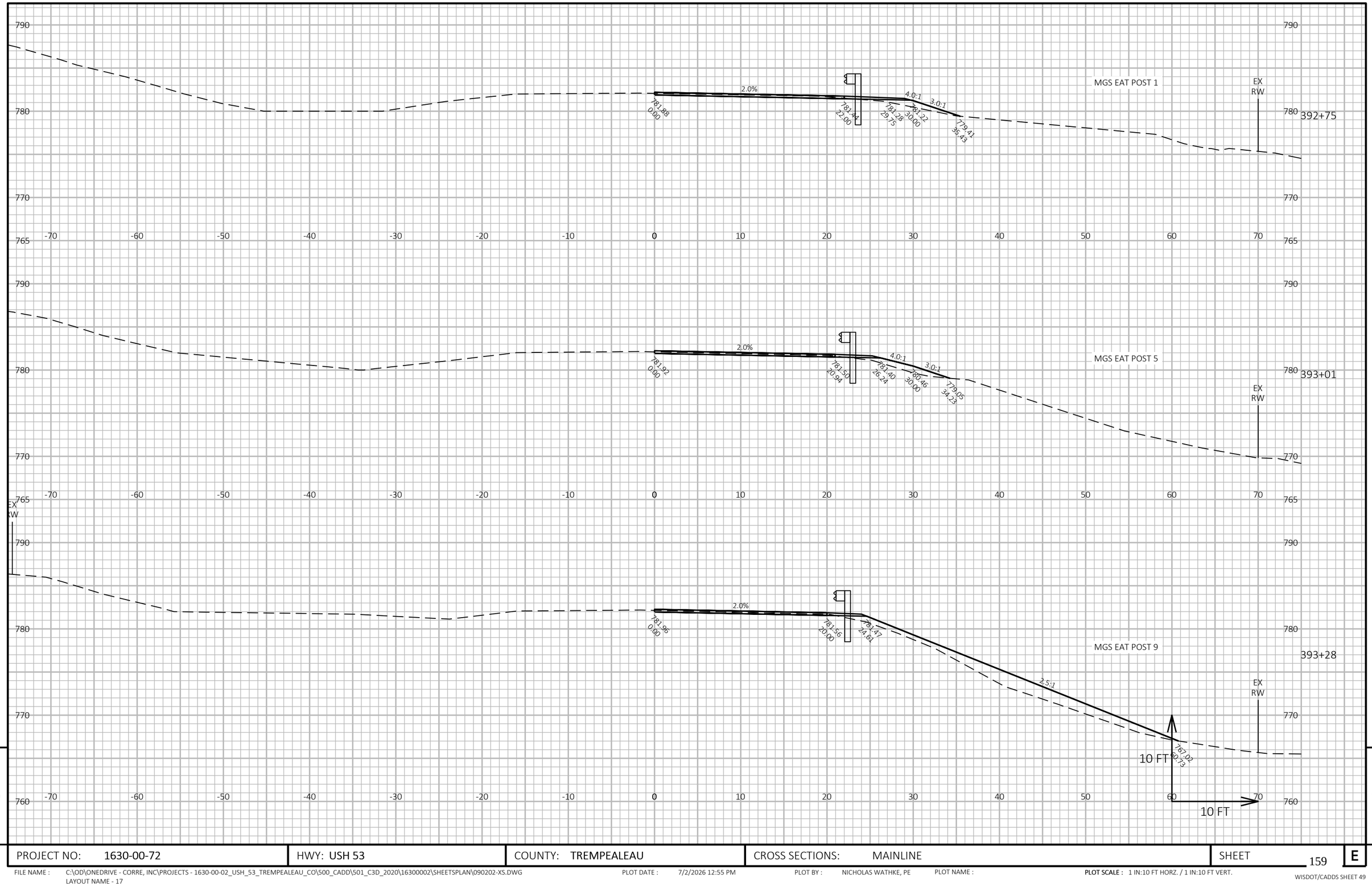
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LAYOUT NAME - 16

PLOT DATE : 7/2/2026 12:55 PM

PLOT BY : NICHOLAS WATHKE, PE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



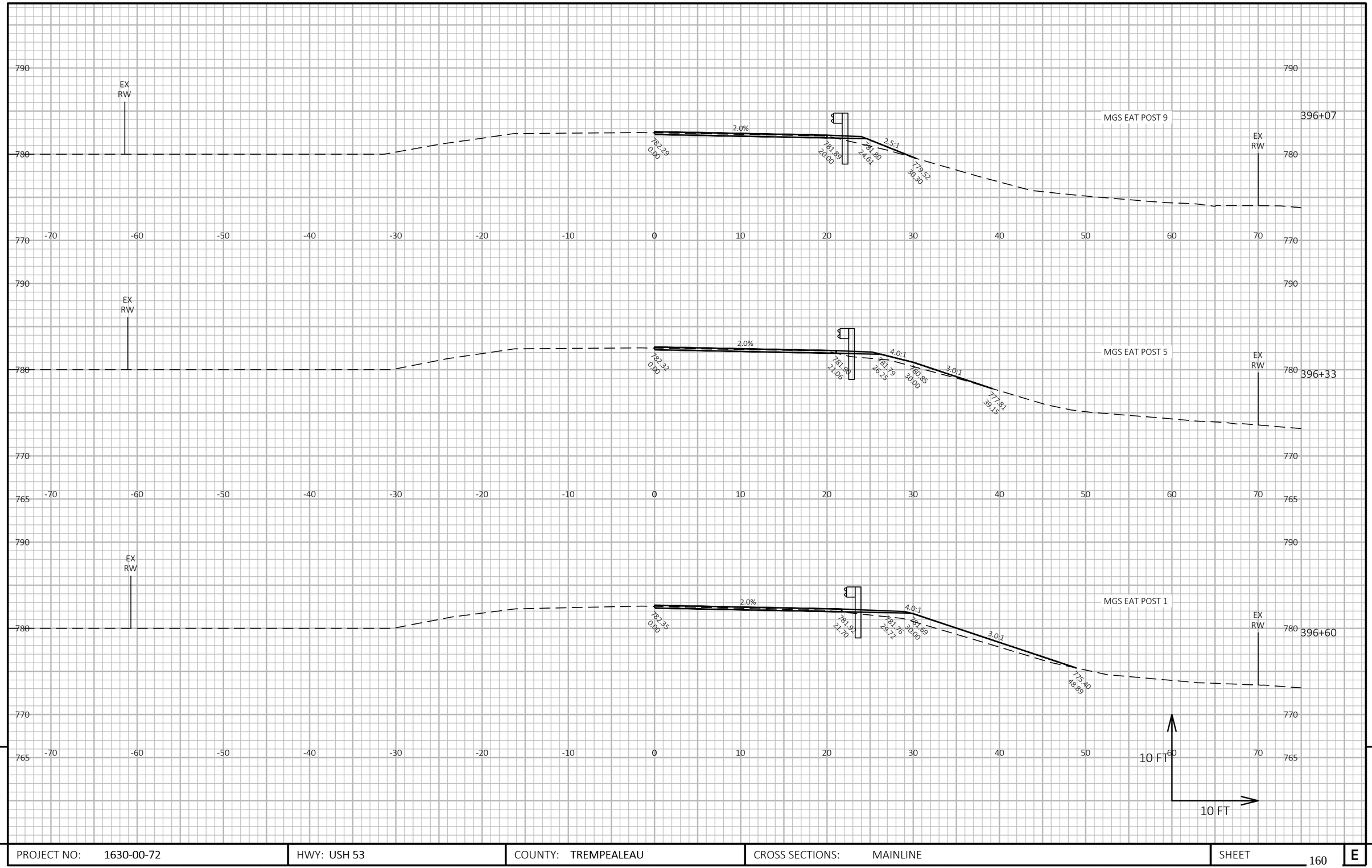
9 9

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 159	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 17

PLOT DATE : 7/2/2026 12:55 PM PLOT BY : NICHOLAS WATHKE, PE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

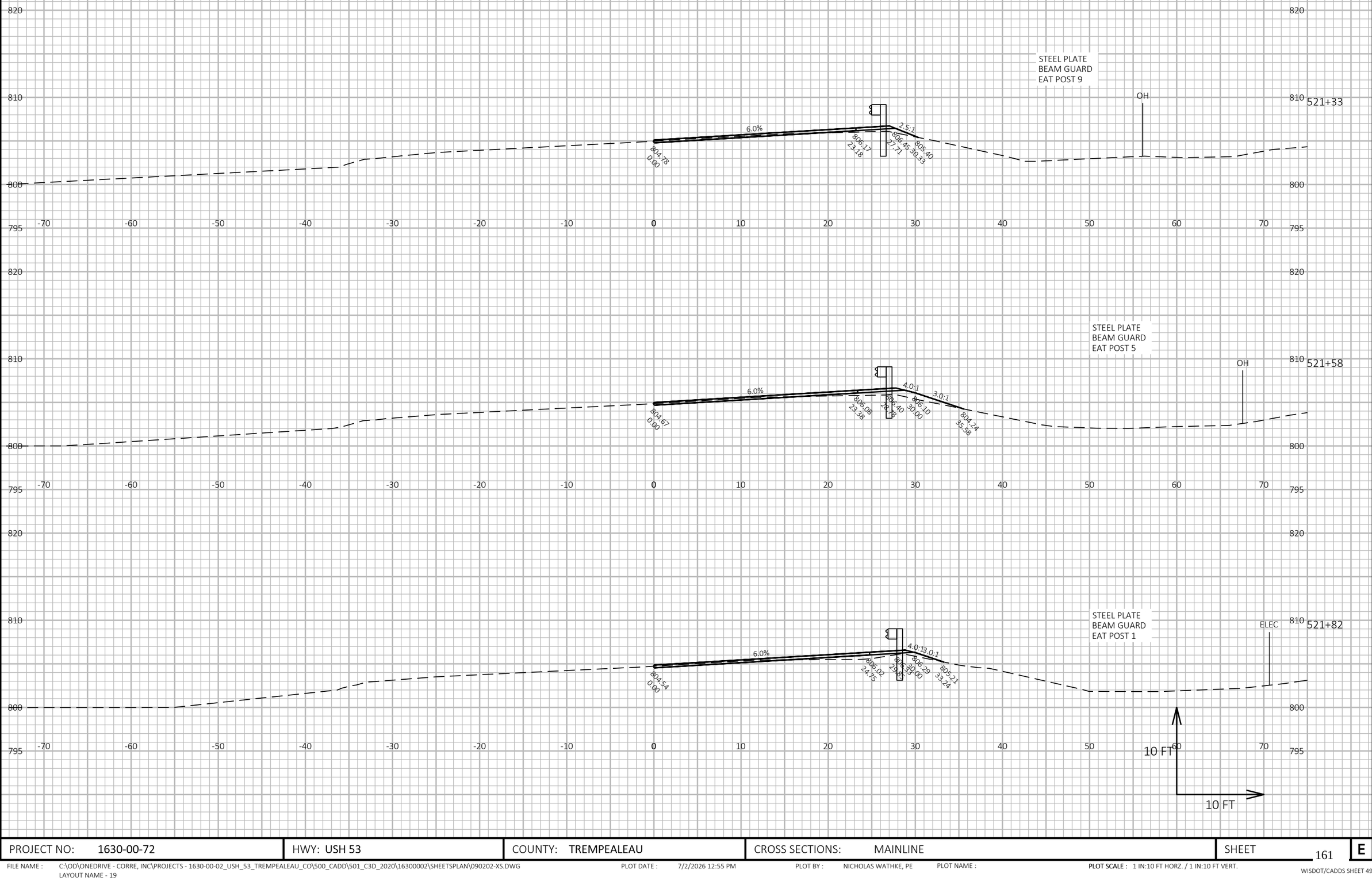


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PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 160	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 18

PLOT DATE : 7/2/2026 12:55 PM PLOT BY : NICHOLAS WATHKE, PE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

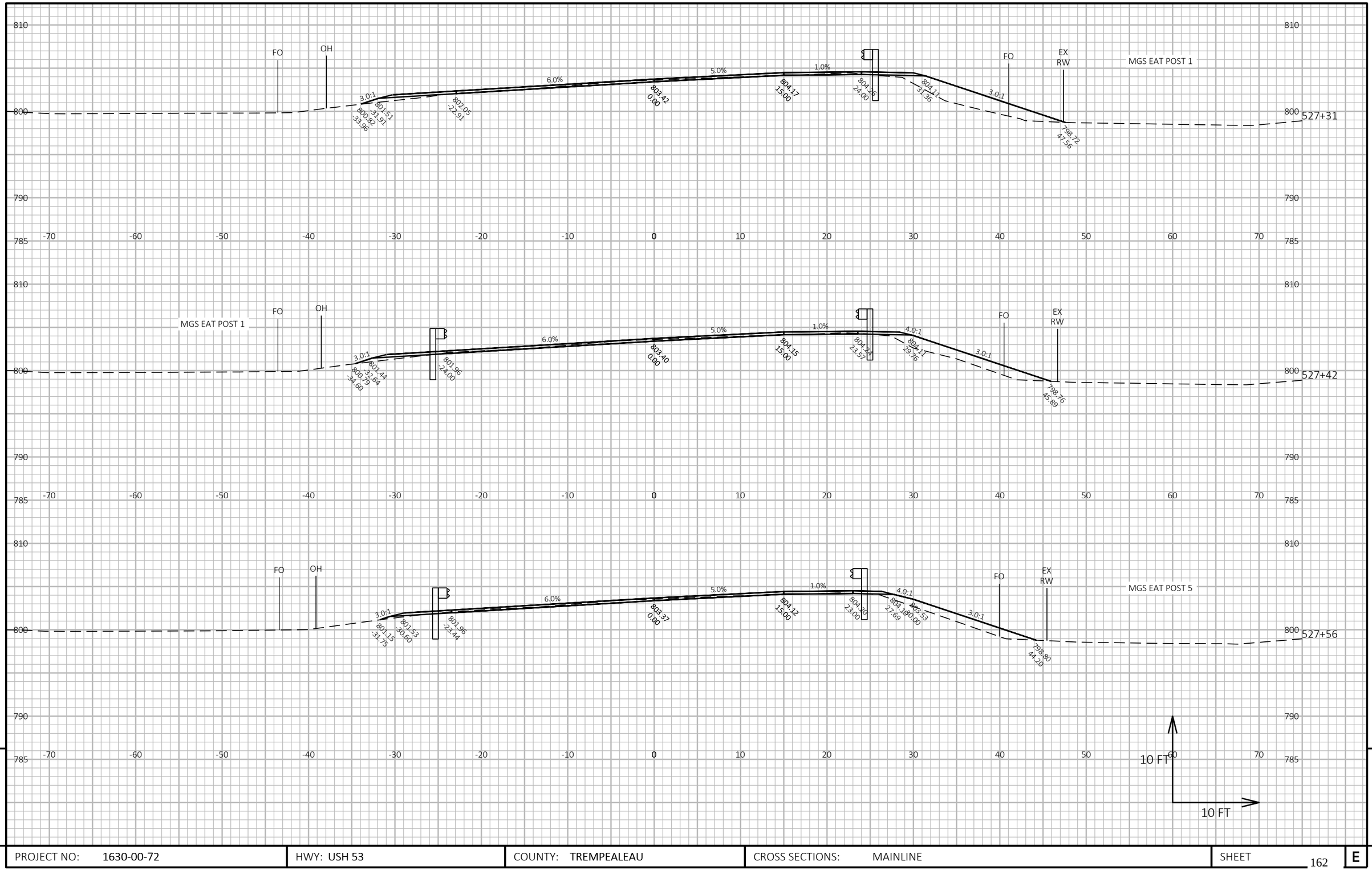


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PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 161	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 19
PLOT DATE : 7/2/2026 12:55 PM
PLOT BY : NICHOLAS WATHKE, PE
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 162	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 20

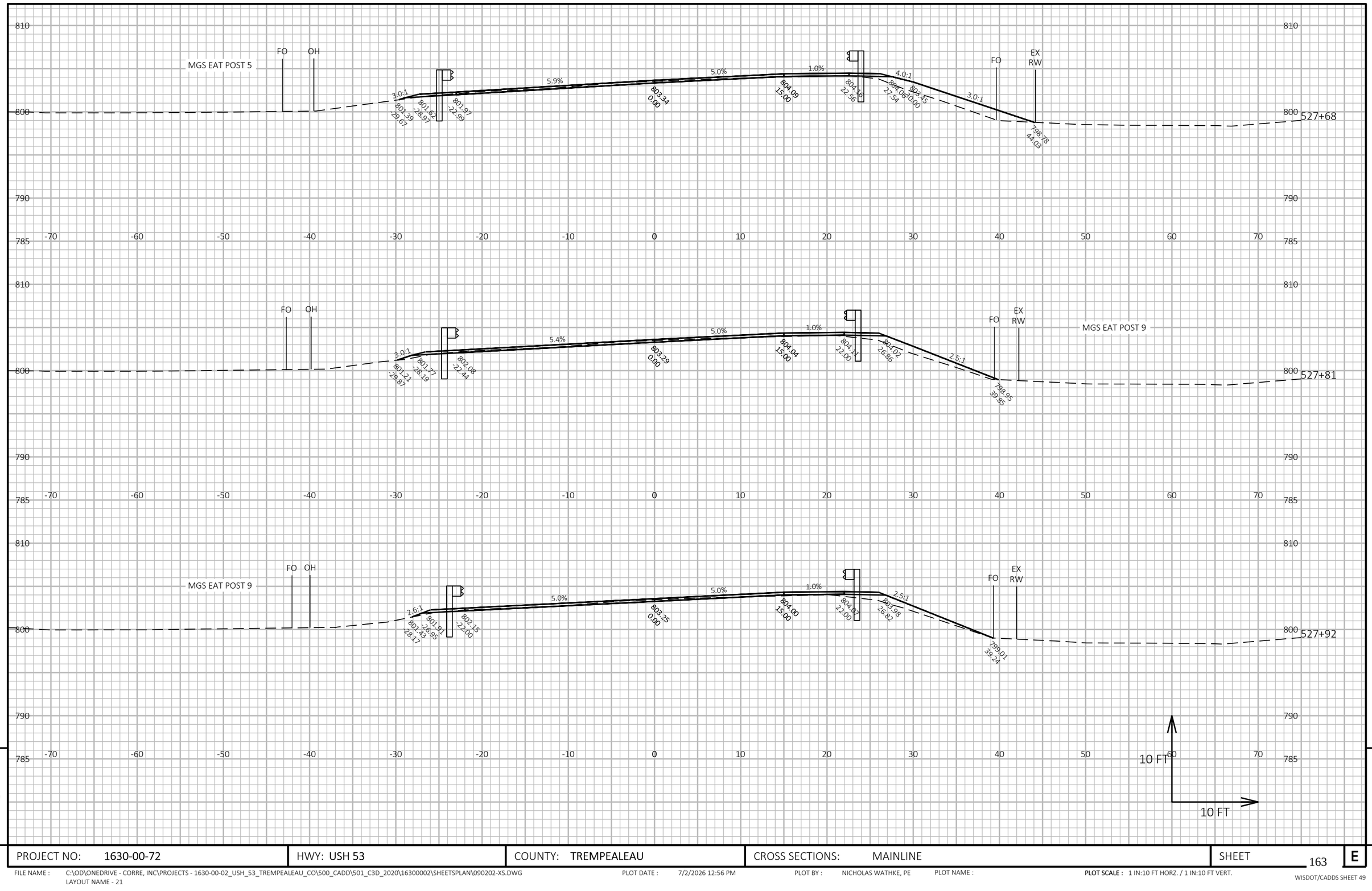
PLOT DATE : 7/2/2026 12:56 PM

PLOT BY : NICHOLAS WATHKE, PE

PLOT NAME :

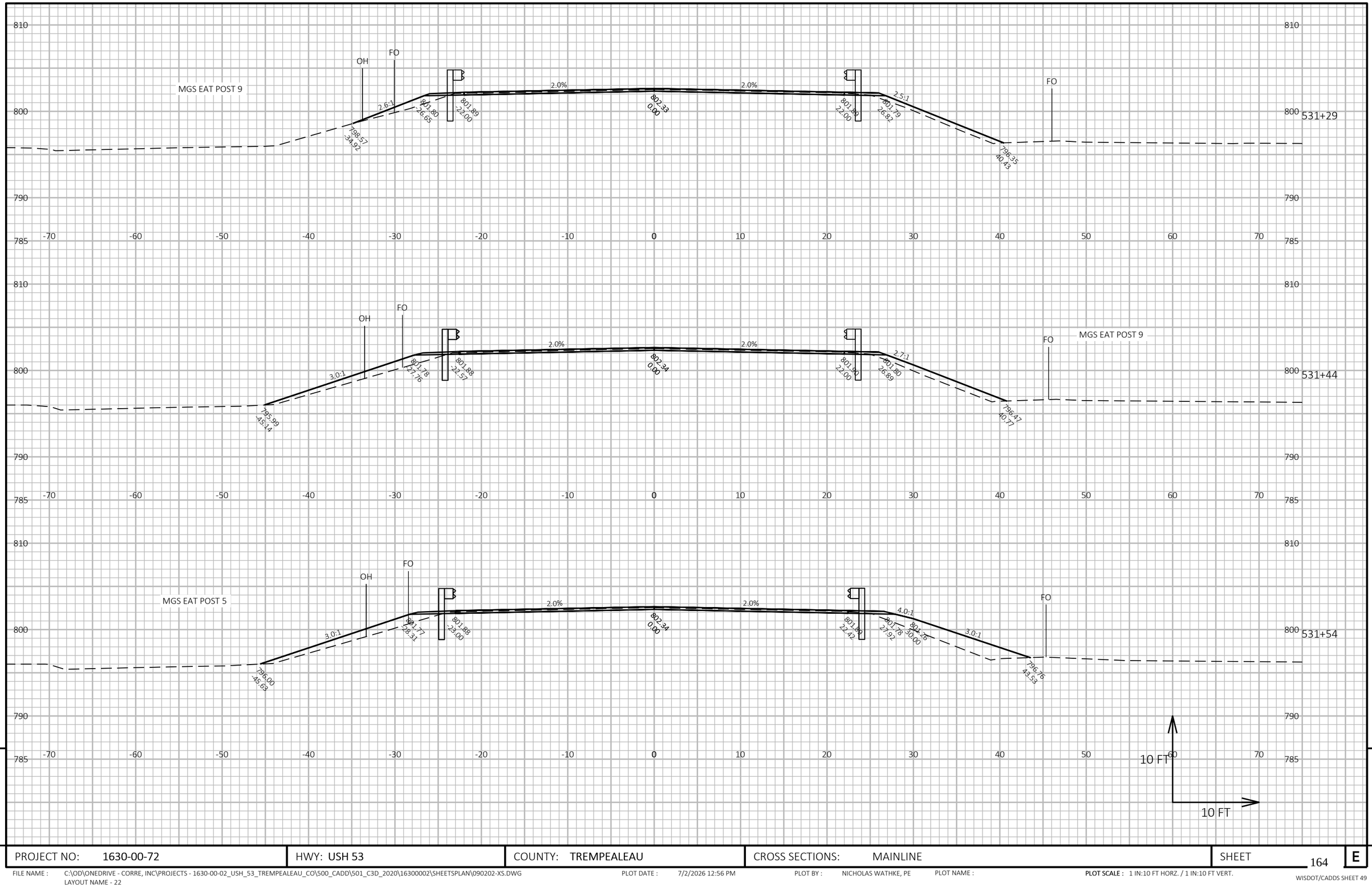
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 163	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 21
PLOT DATE : 7/2/2026 12:56 PM
PLOT BY : NICHOLAS WATHKE, PE
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

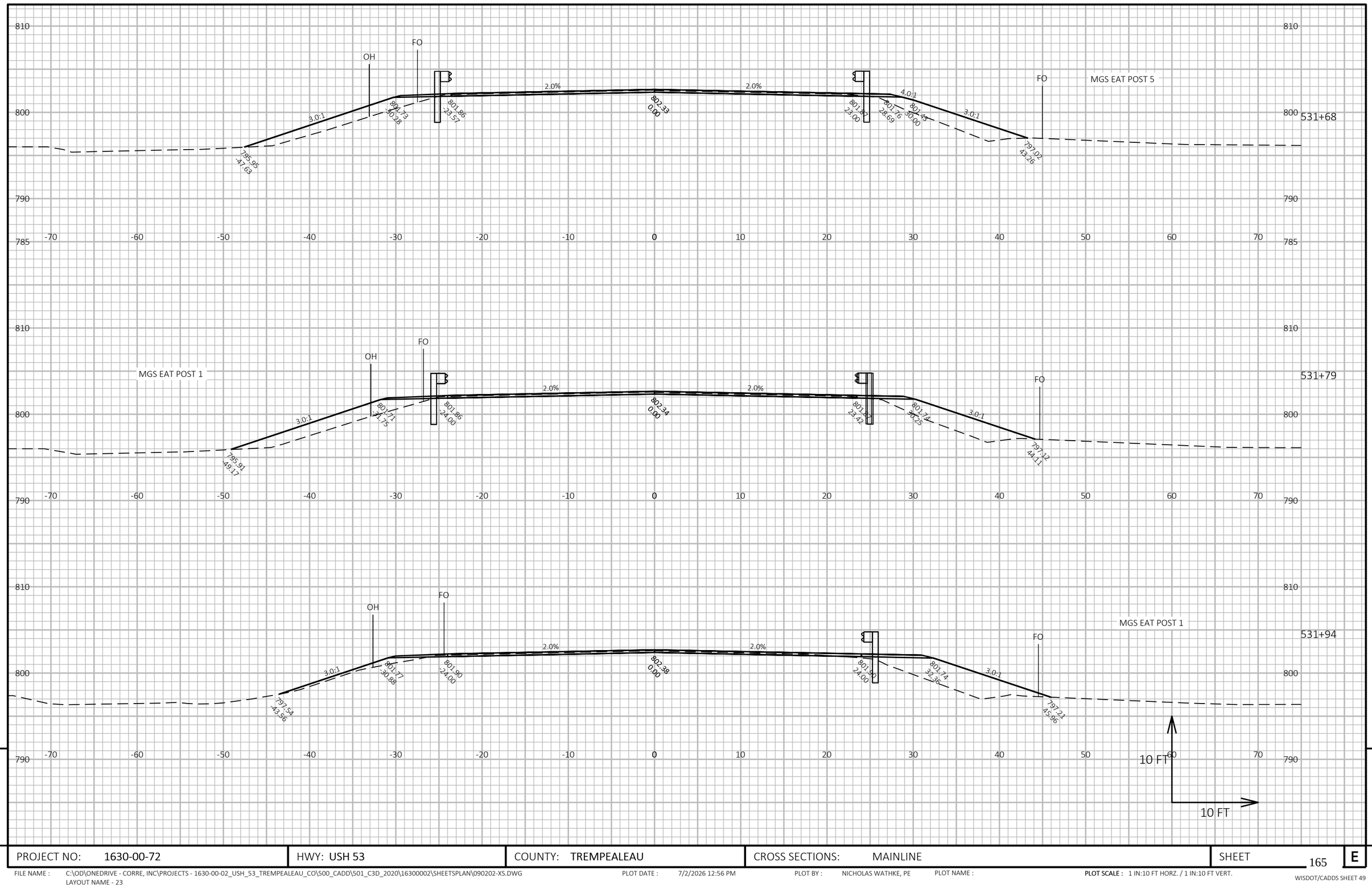


PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 164	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 22

PLOT DATE : 7/2/2026 12:56 PM PLOT BY : NICHOLAS WATHKE, PE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

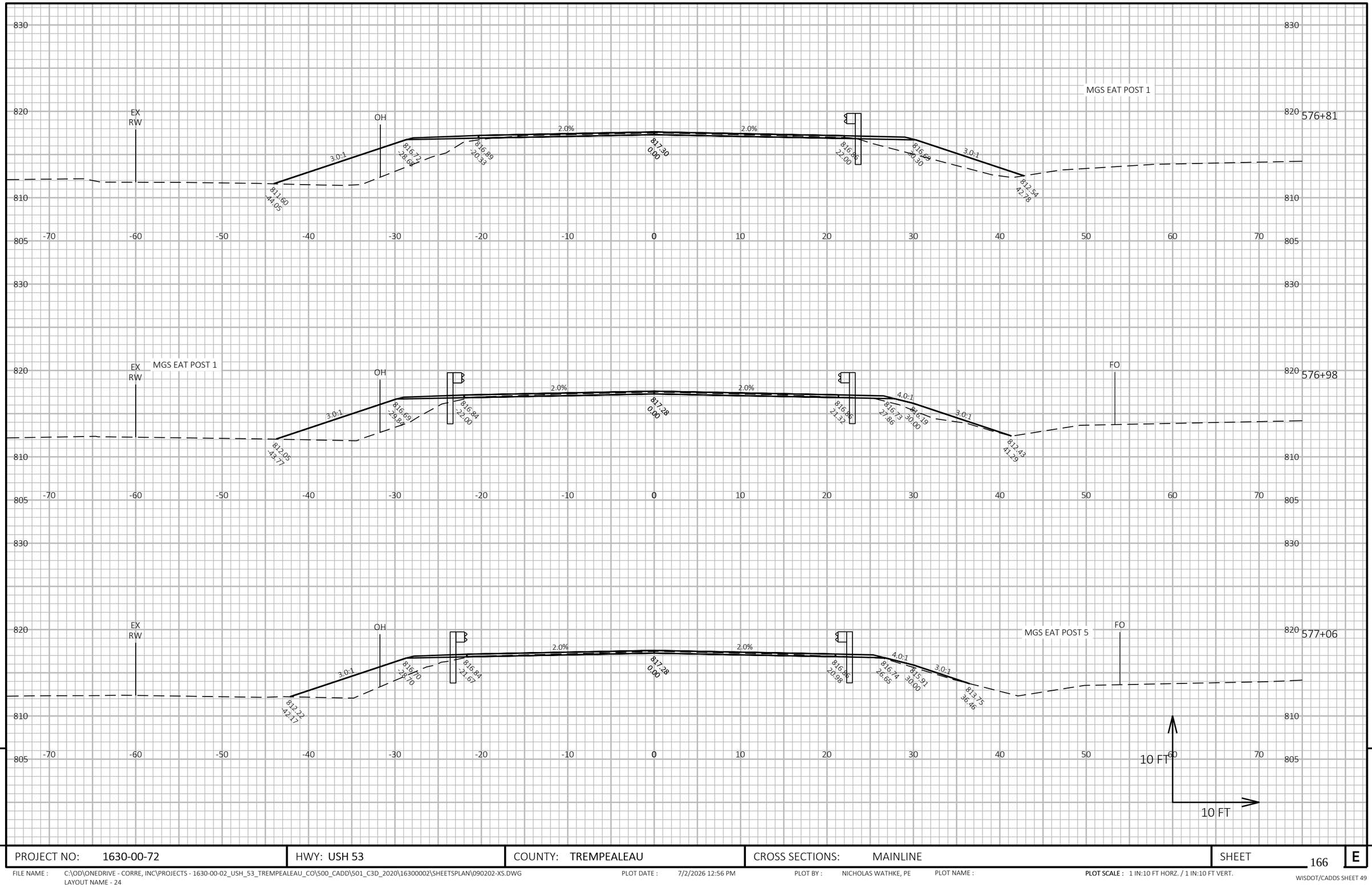
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PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 165	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 23

PLOT DATE : 7/2/2026 12:56 PM PLOT BY : NICHOLAS WATHKE, PE 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: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 166	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 24

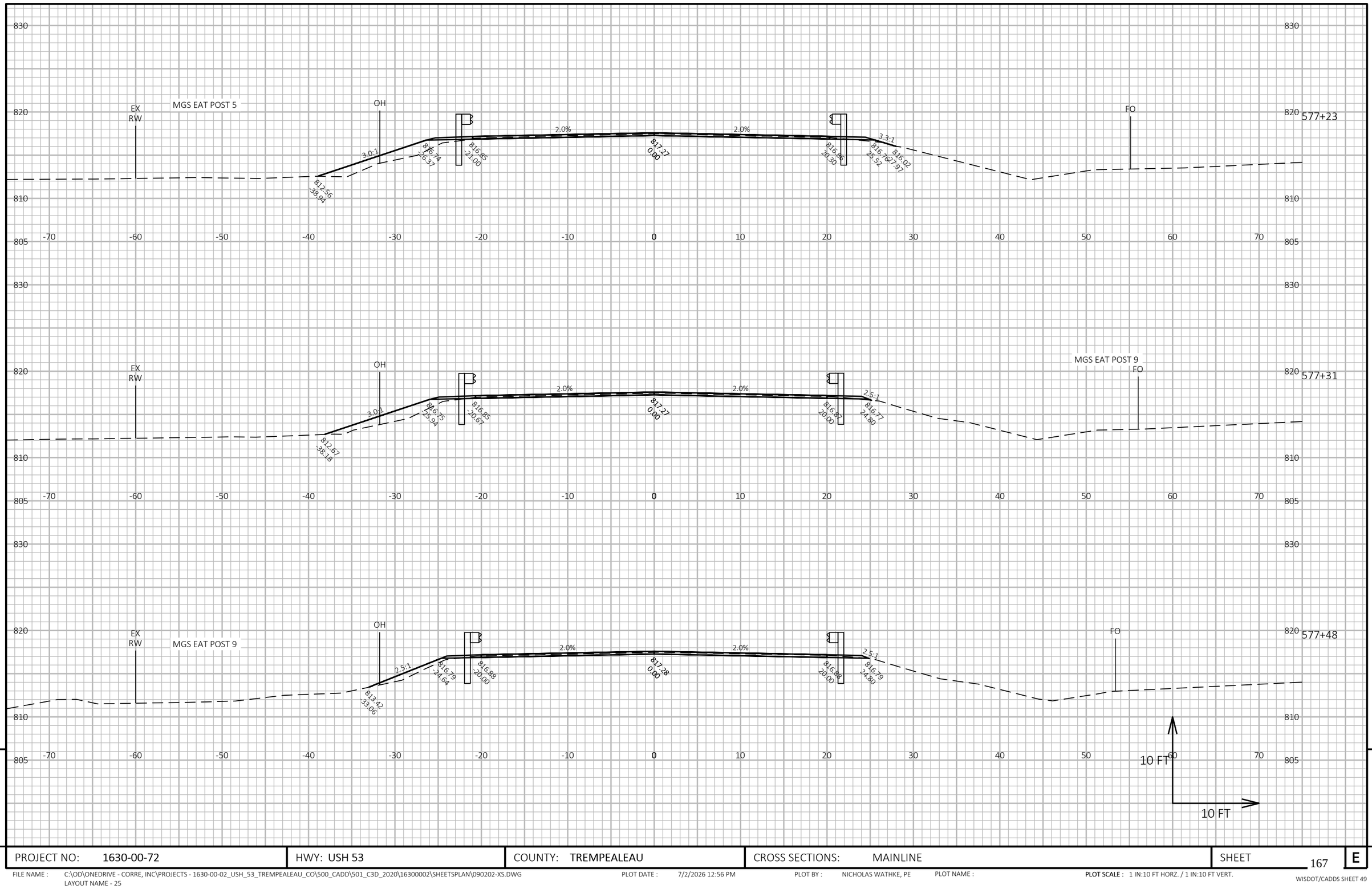
PLOT DATE : 7/2/2026 12:56 PM

PLOT BY : NICHOLAS WATHKE, PE

PLOT NAME :

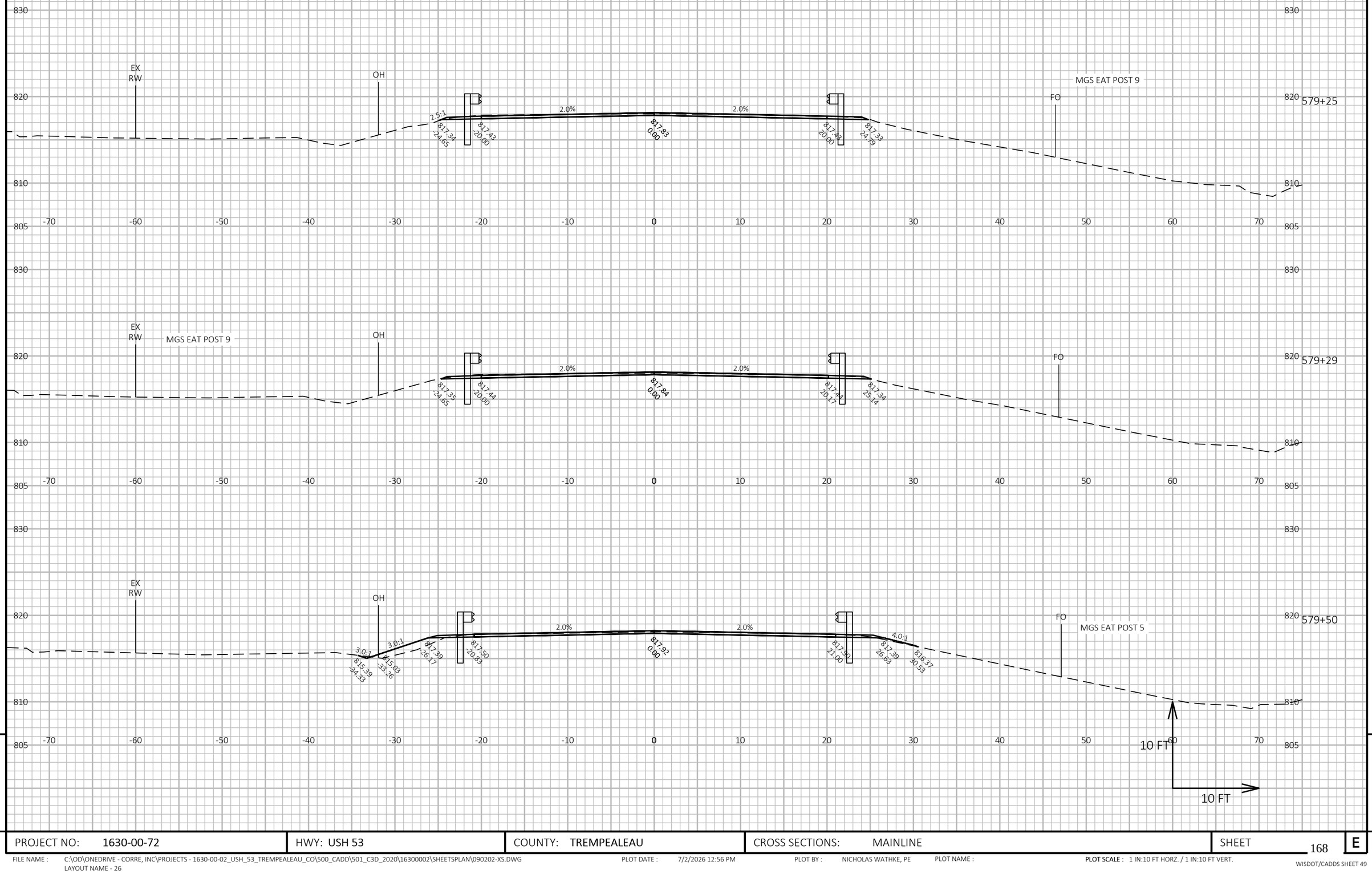
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 167	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 25
PLOT DATE : 7/2/2026 12:56 PM
PLOT BY : NICHOLAS WATHKE, PE
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



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PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 168	E

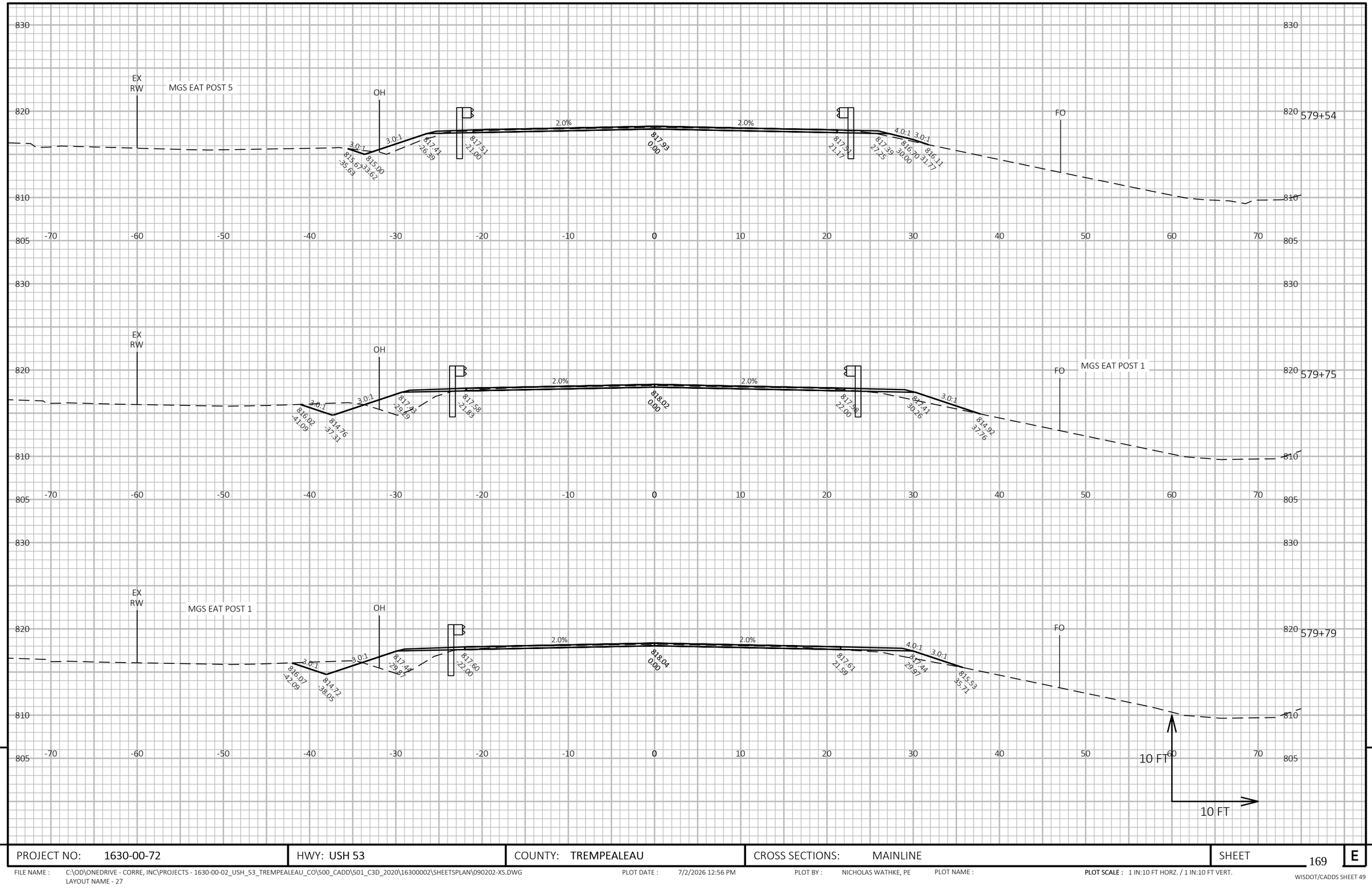
FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 26

PLOT DATE : 7/2/2026 12:56 PM

PLOT BY : NICHOLAS WATHKE, PE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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9

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 169	E

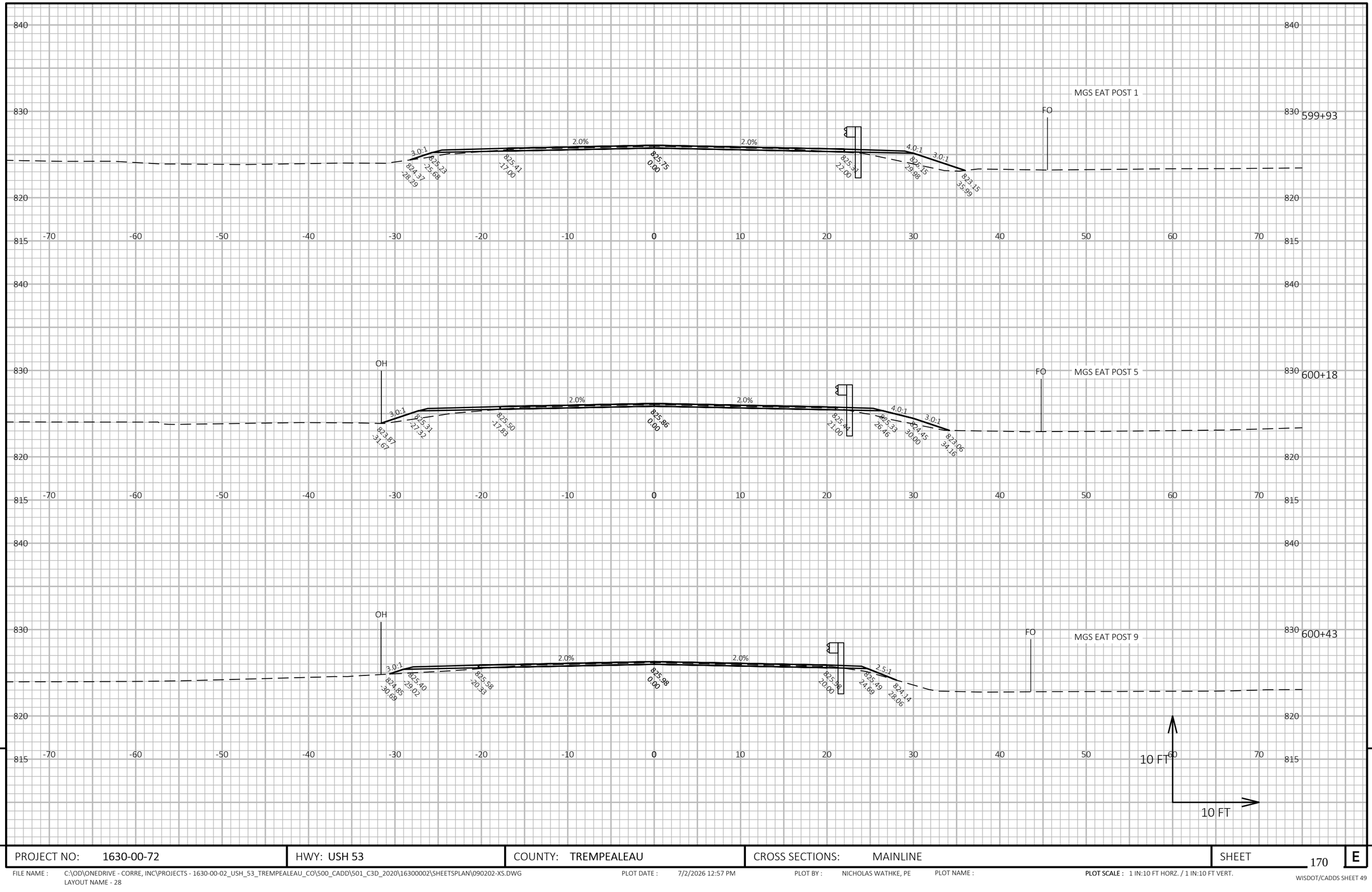
FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 27

PLOT DATE : 7/2/2026 12:56 PM

PLOT BY : NICHOLAS WATHKE, PE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

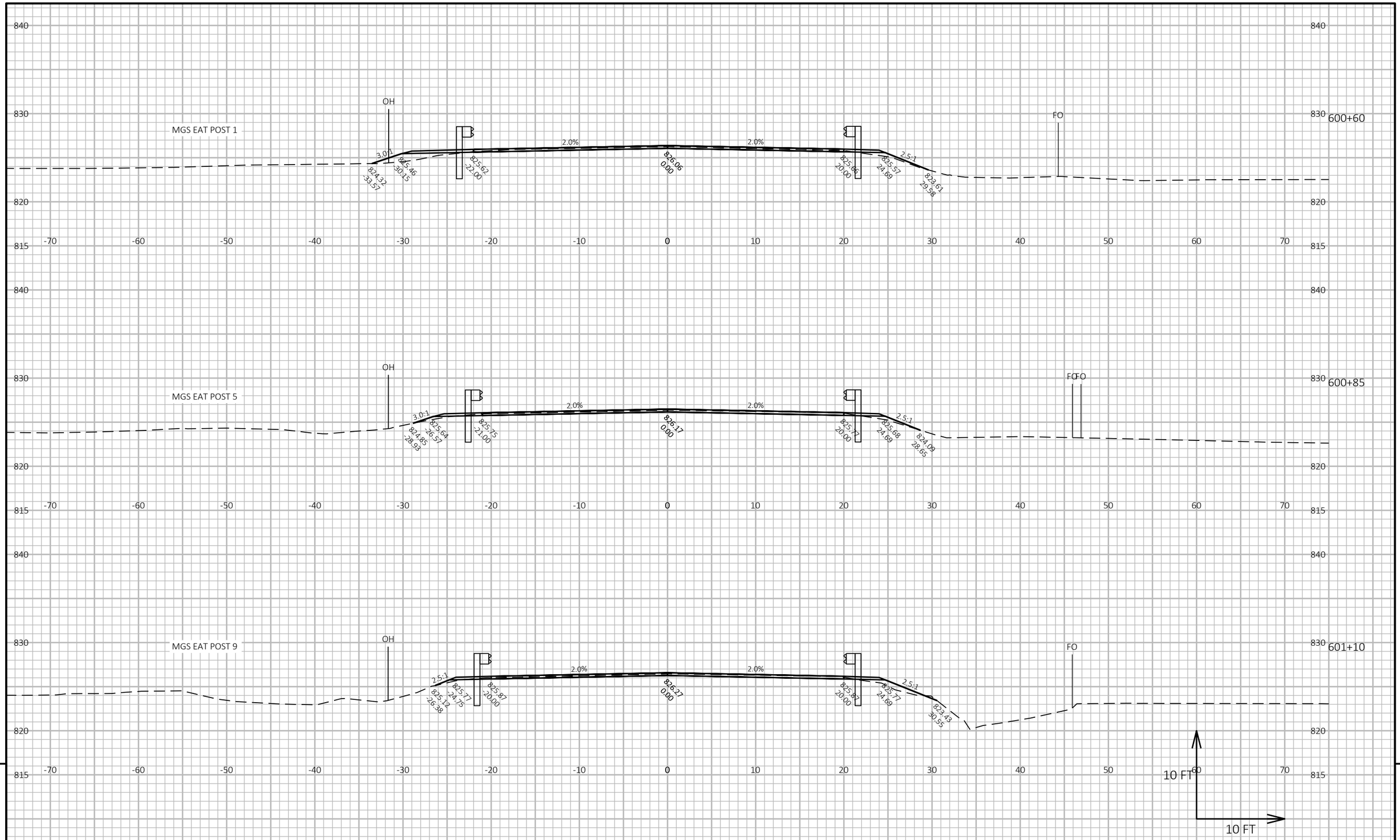
9

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 170	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 28

PLOT DATE : 7/2/2026 12:57 PM PLOT BY : NICHOLAS WATHKE, PE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

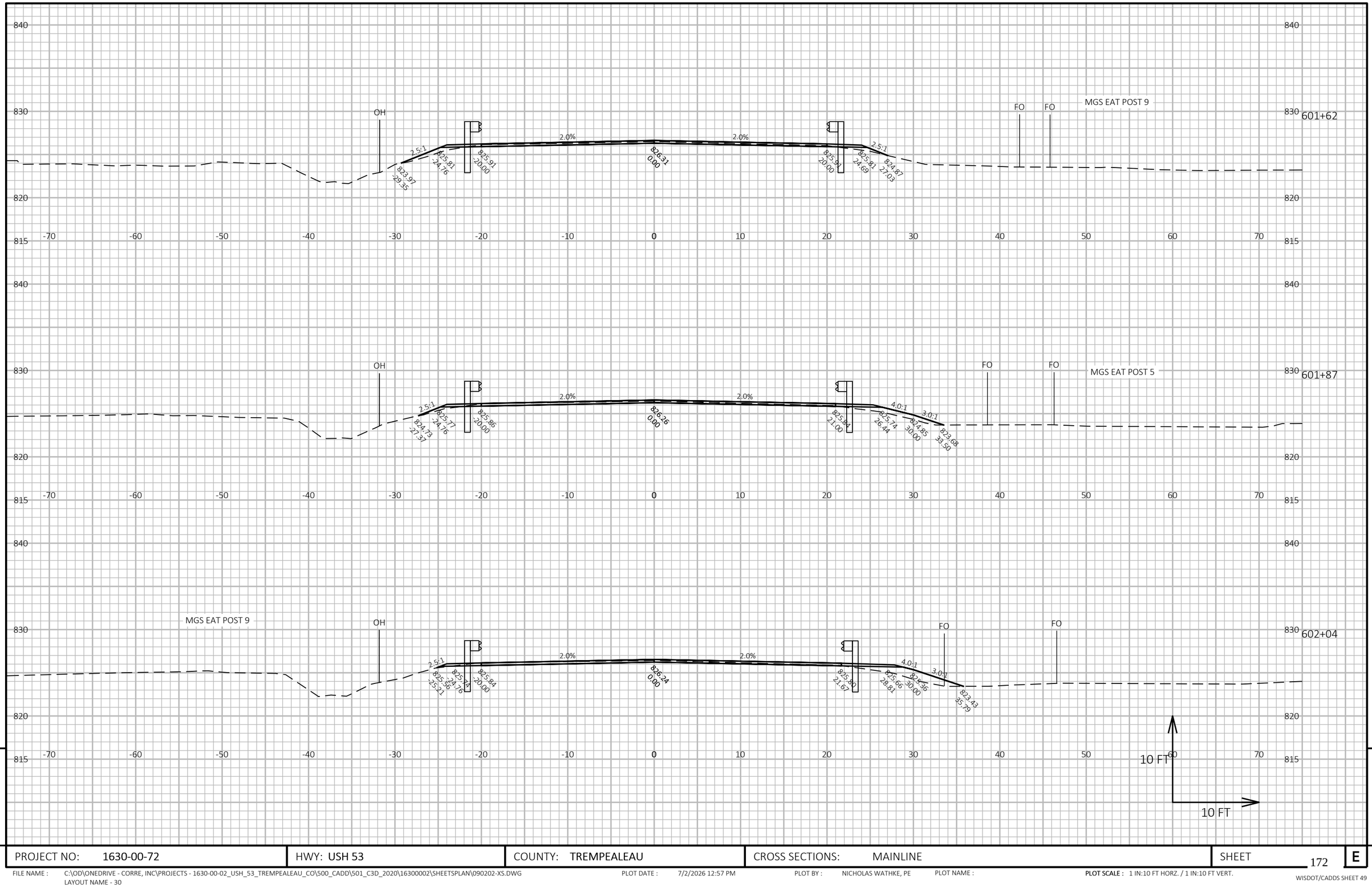
9

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 171	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 29

PLOT DATE : 7/2/2026 12:57 PM PLOT BY : NICHOLAS WATHKE, PE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 172	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 30

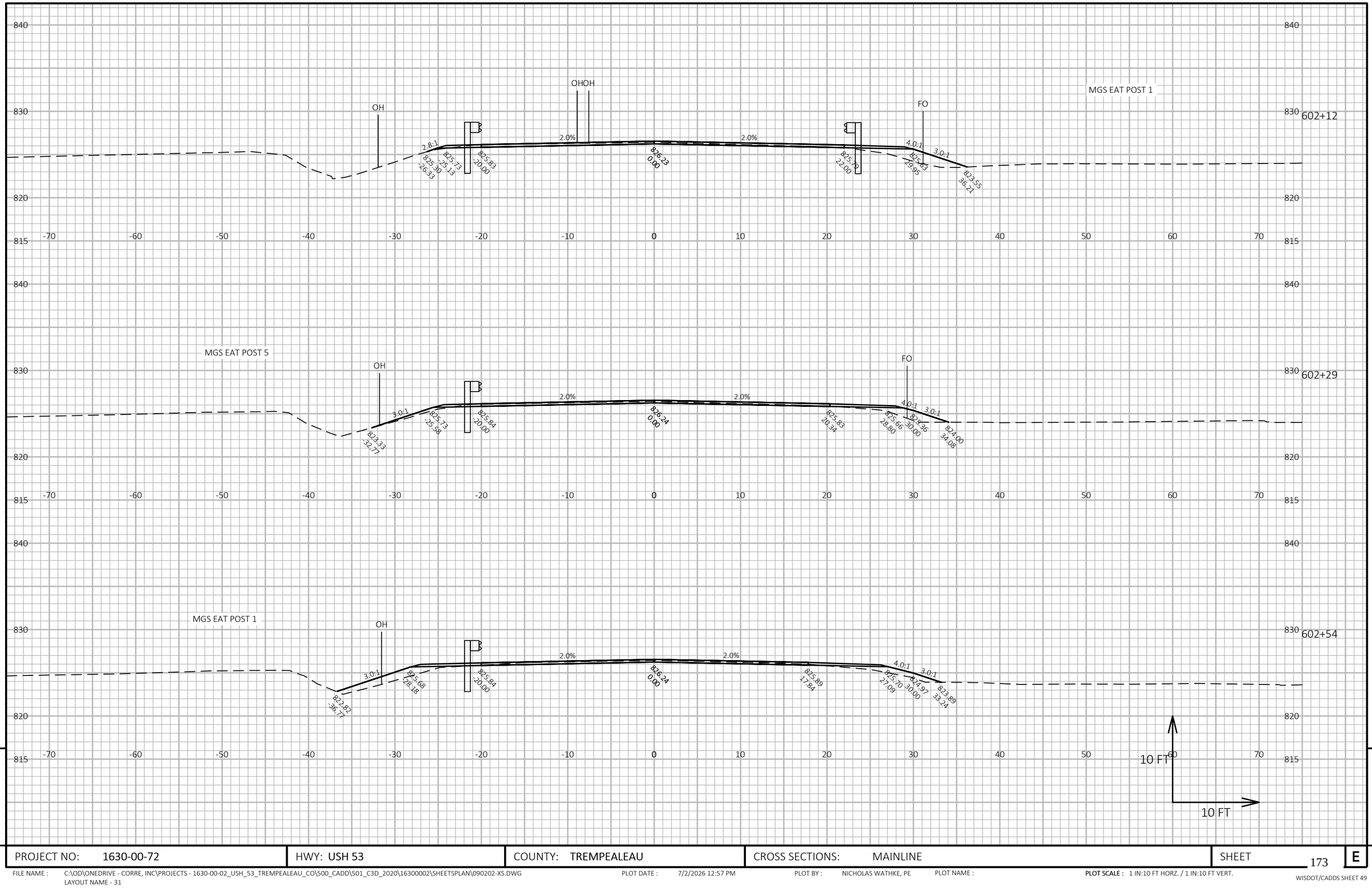
PLOT DATE : 7/2/2026 12:57 PM

PLOT BY : NICHOLAS WATHKE, PE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



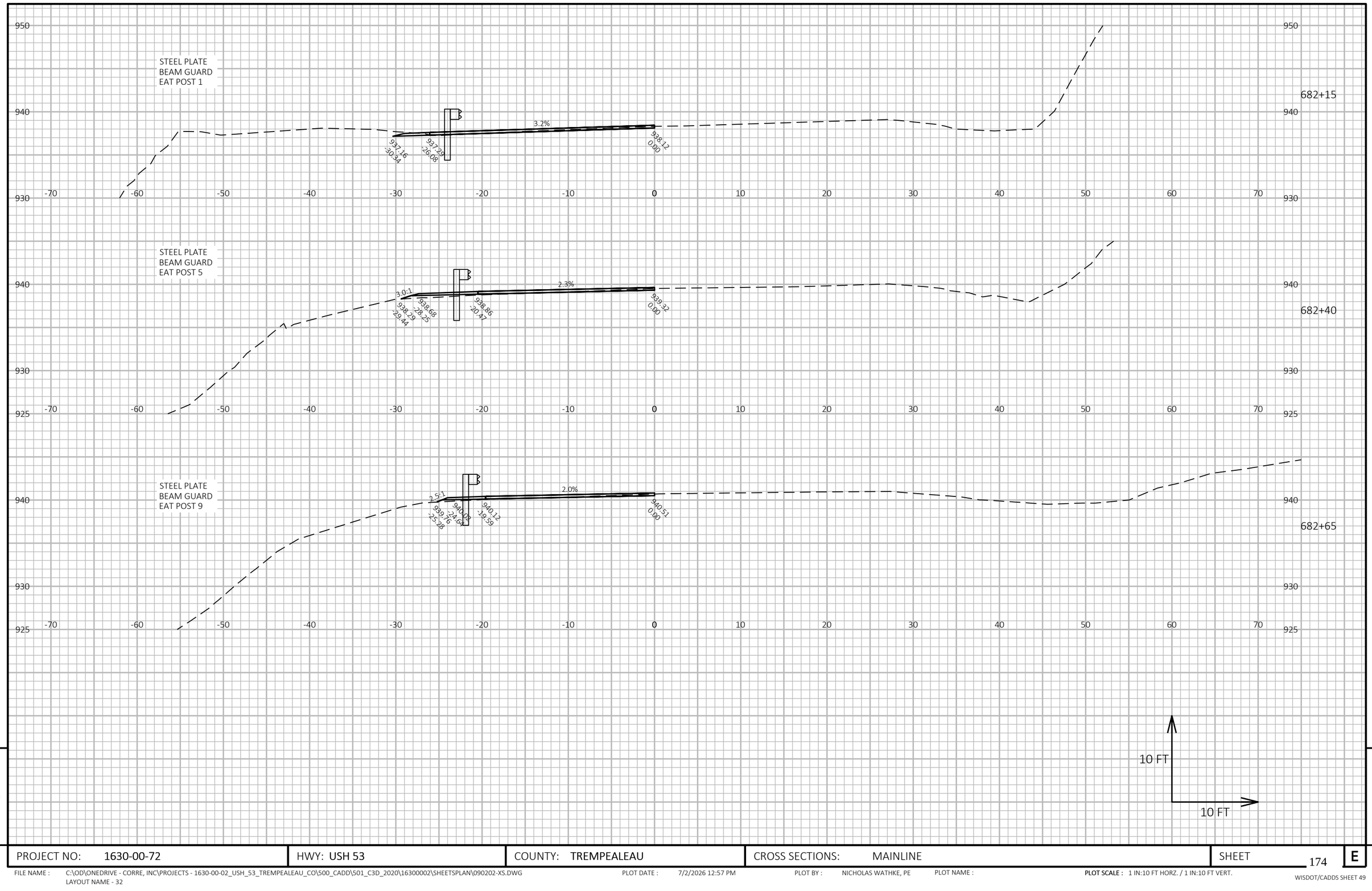
9 9

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 173	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 31

PLOT DATE : 7/2/2026 12:57 PM PLOT BY : NICHOLAS WATHKE, PE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 174	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 32

PLOT DATE : 7/2/2026 12:57 PM

PLOT BY : NICHOLAS WATHKE, PE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

980
970
960
950
940
930
-70
-60
-50
-40
-30
-20
-10
0
10
20
30
40
50
60
70

2.0%

957.77
0.00

957.44
31.27

956.98
39.23

STEEL PLATE
BEAM GUARD
EAT POST 1

686+11

10 FT
10 FT

9

9

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 175	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 33

PLOT DATE : 7/2/2026 12:57 PM

PLOT BY : NICHOLAS WATHKE, PE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

980
970
960
950
940
930

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

2.0%

958.99
0.00

958.38
30.17

958.25
36.67

3.0:1

957.92
37.67

STEEL PLATE
BEAM GUARD
EAT POST 5

686+36

10 FT

10 FT

9

9

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 176	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 34

PLOT DATE : 7/2/2026 12:57 PM

PLOT BY : NICHOLAS WATHKE, PE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

980
970
960
950
940
930
1000
990
980
-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

960.11
0.00
2.0%
959.53
29.07
959.42
34.45
959.27
34.91
3.0:1
STEEL PLATE
BEAM GUARD
EAT POST 9
686+61

981.37
0.00
6.0%
979.56
29.80
979.24
35.44
977.90
39.47
3.0:1
STEEL PLATE
BEAM GUARD
EAT POST 9
10 FT
10 FT
690+74

9

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 177	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 35
PLOT DATE : 7/2/2026 12:57 PM
PLOT BY : NICHOLAS WATHKE, PE
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

STEEL PLATE
BEAM GUARD
EAT POST 9

2:5:1
984.49
-30.71

984.21
-25.65

6.0%

982.67
0.00

6.0%

980.86
30.77

3.0:1

980.49
37.71

979.71
-39.79

690+99

STEEL PLATE
BEAM GUARD
EAT POST 5

2:5:1
984.45
-30.96

984.25
-25.68

6.0%

982.70
0.00

6.0%

980.86
30.79

3.0:1

980.49
37.77

979.78
-39.73

690+99

STEEL PLATE
BEAM GUARD
EAT POST 5

3.0:1
983.03
-42.06

986.06
-33.96

985.65
-26.77

6.0%

984.04
0.00

6.0%

982.37
31.21

981.66
39.72

691+23

10 FT

10 FT

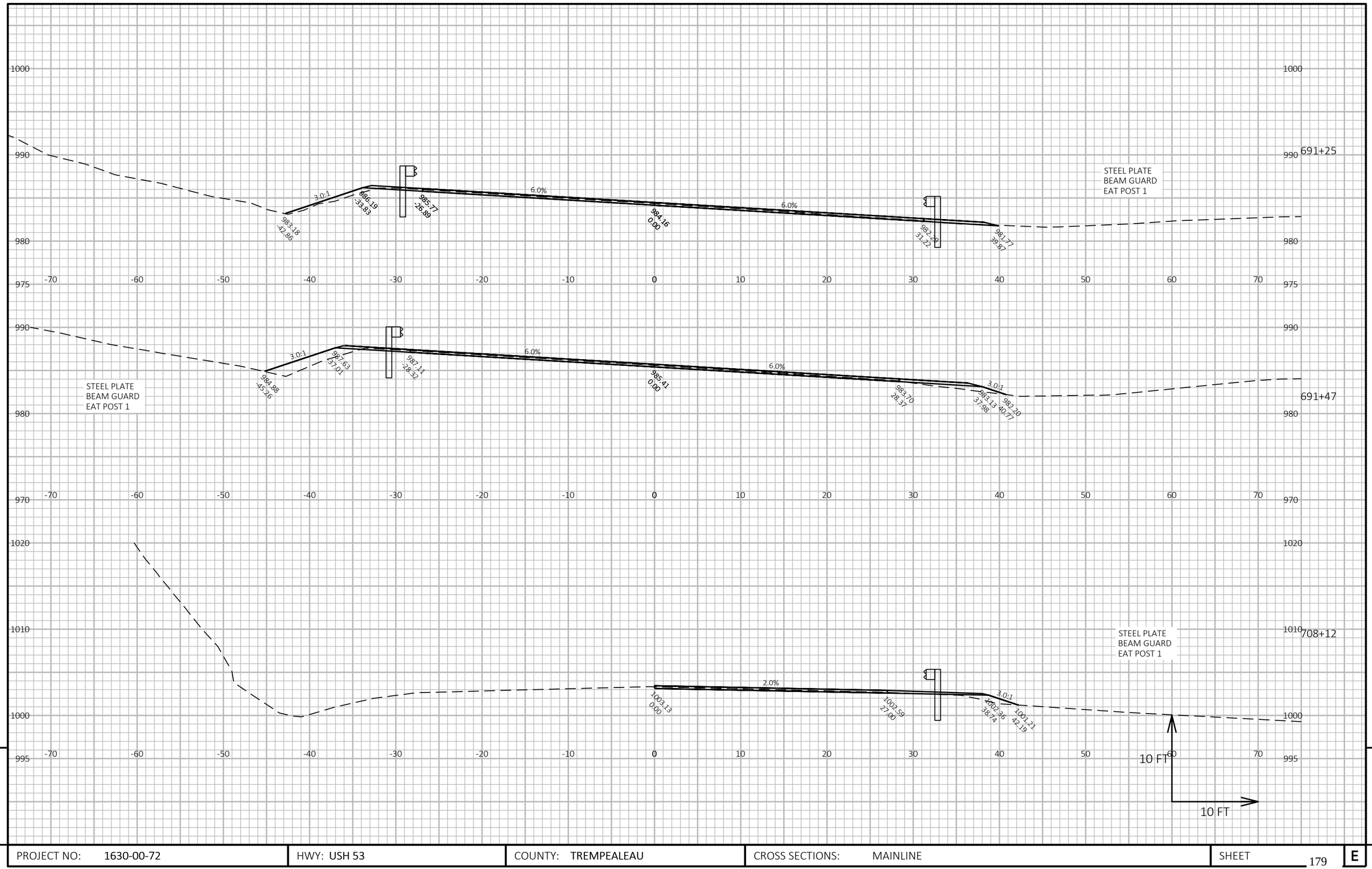
9

9

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 178	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 36

PLOT DATE : 7/2/2026 12:57 PM PLOT BY : NICHOLAS WATHKE, PE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

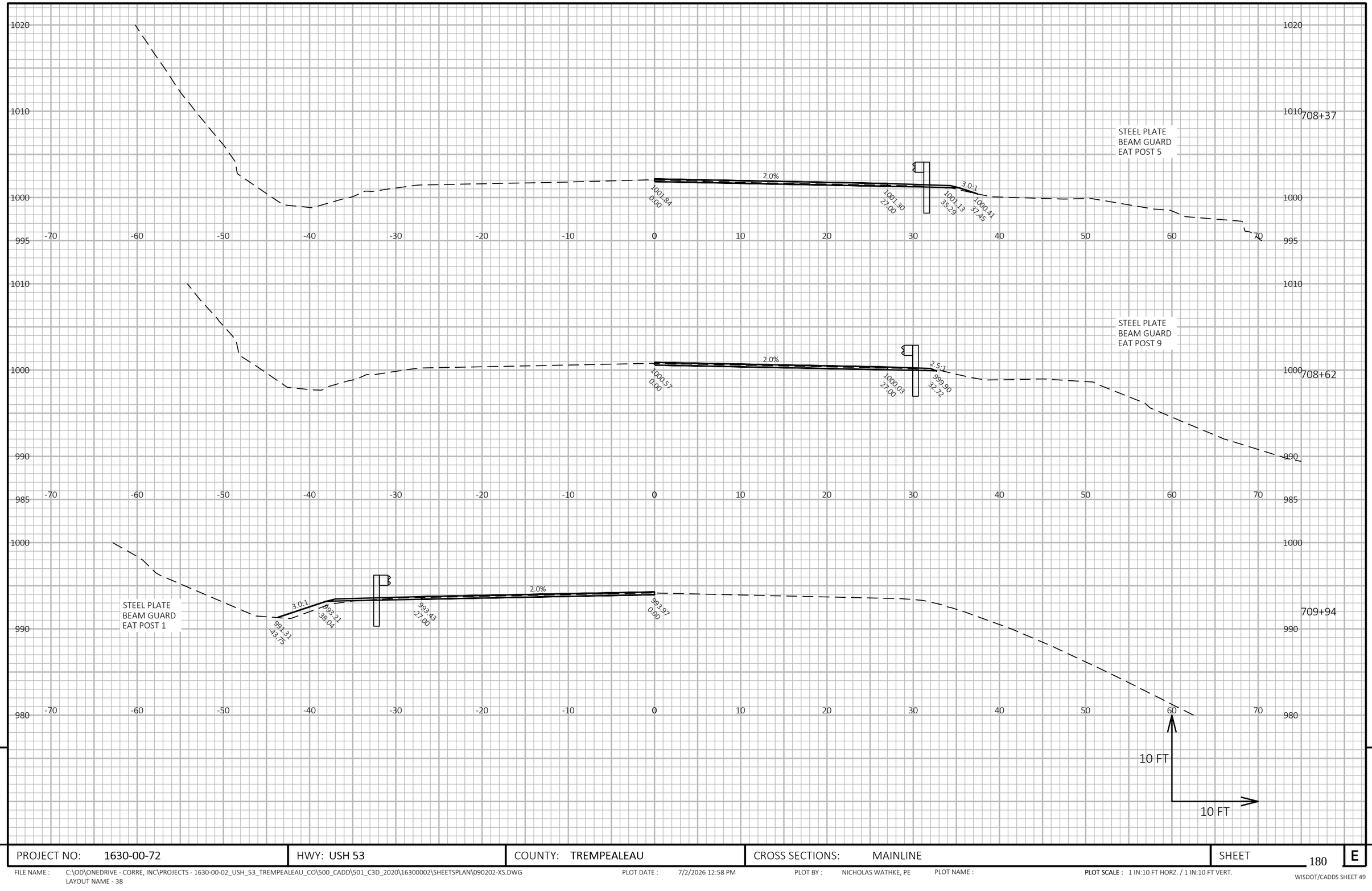


PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 179	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 37

PLOT DATE : 7/2/2026 12:57 PM PLOT BY : NICHOLAS WATHKE, PE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



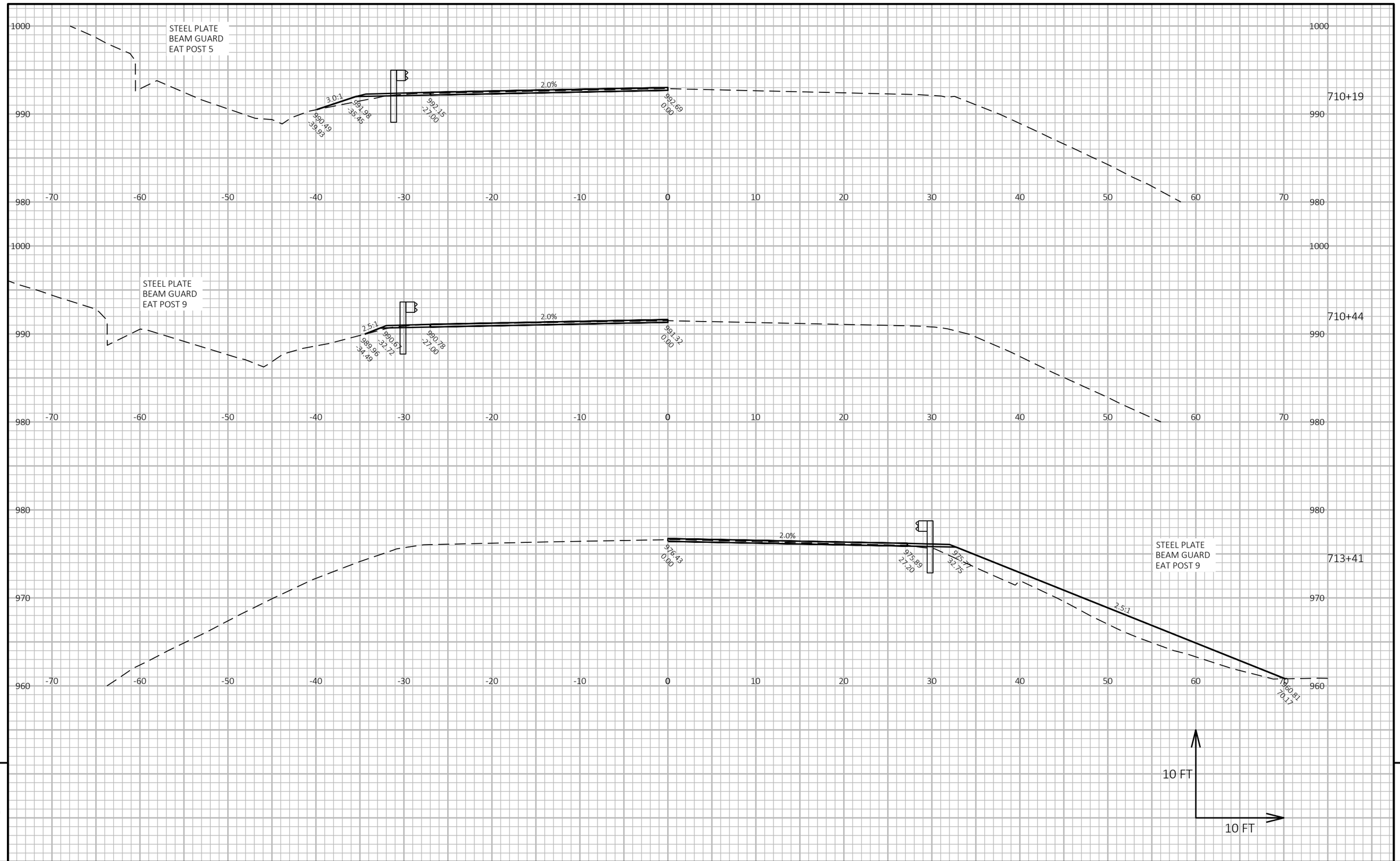
9 9

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 180	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 38

PLOT DATE : 7/2/2026 12:58 PM PLOT BY : NICHOLAS WATHKE, PE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 181	E

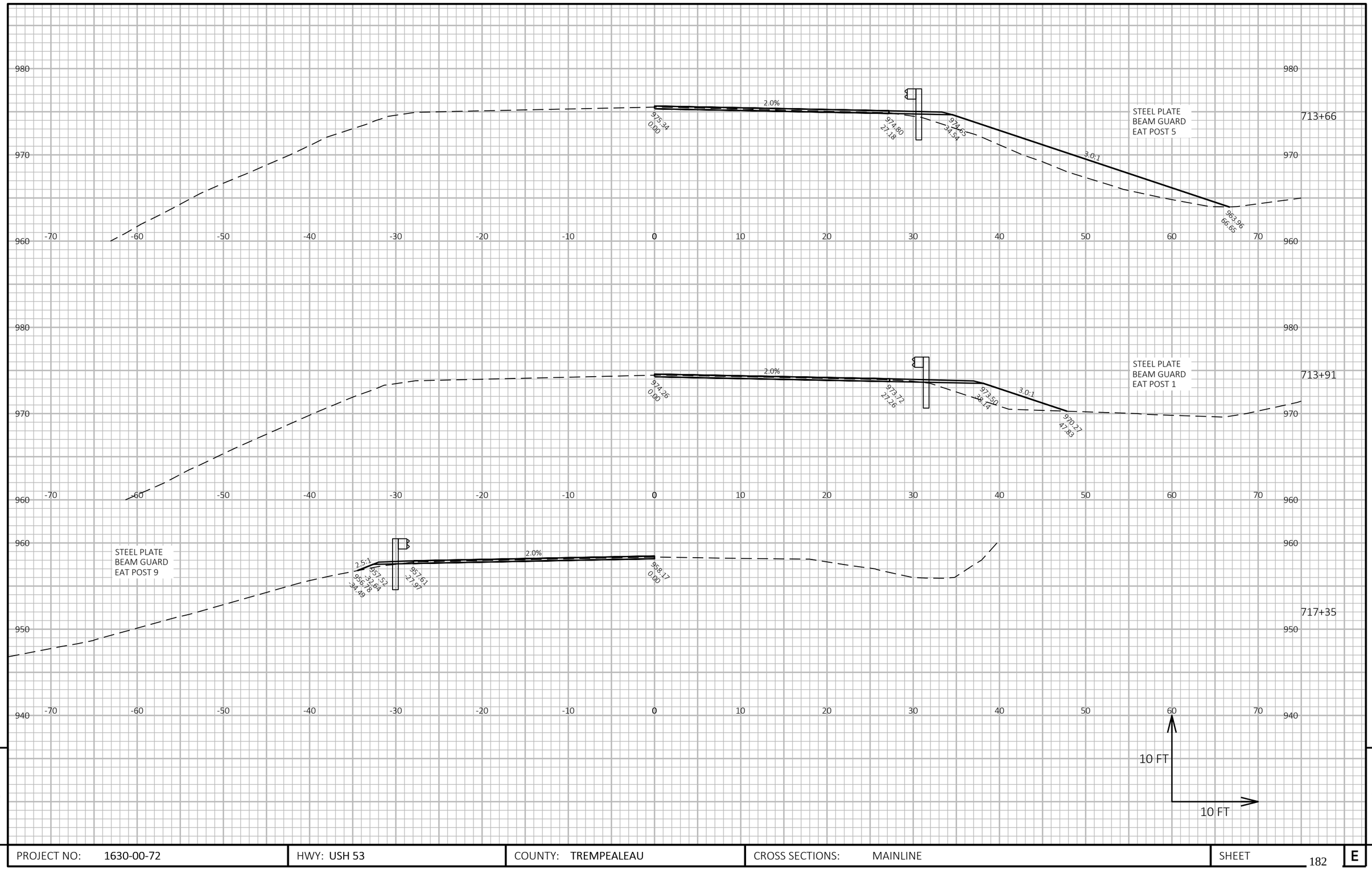
FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 39

PLOT DATE : 7/2/2026 12:58 PM

PLOT BY : NICHOLAS WATHKE, PE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

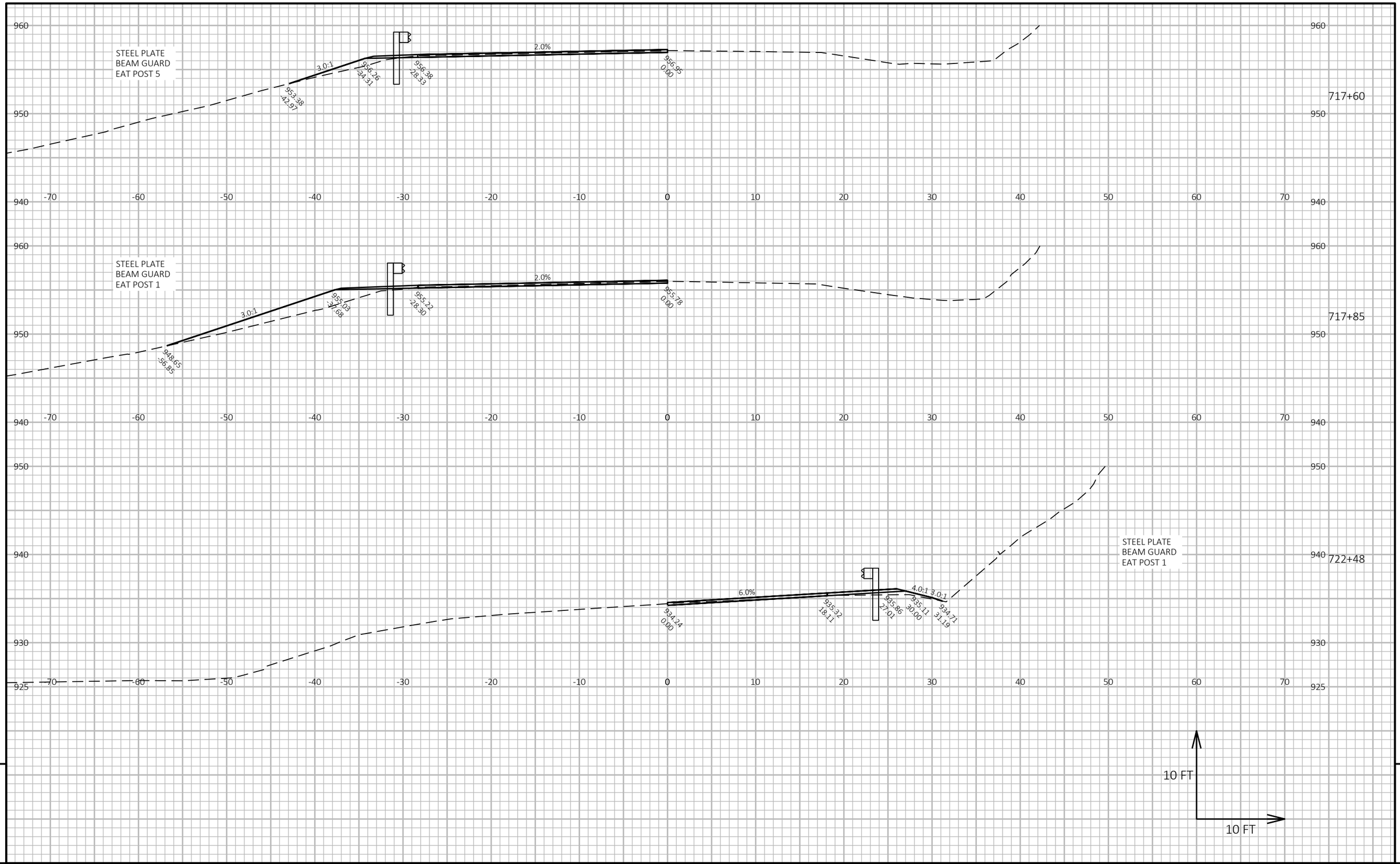


PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 182	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 40

PLOT DATE : 7/2/2026 12:58 PM PLOT BY : NICHOLAS WATHKE, PE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 183	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 41

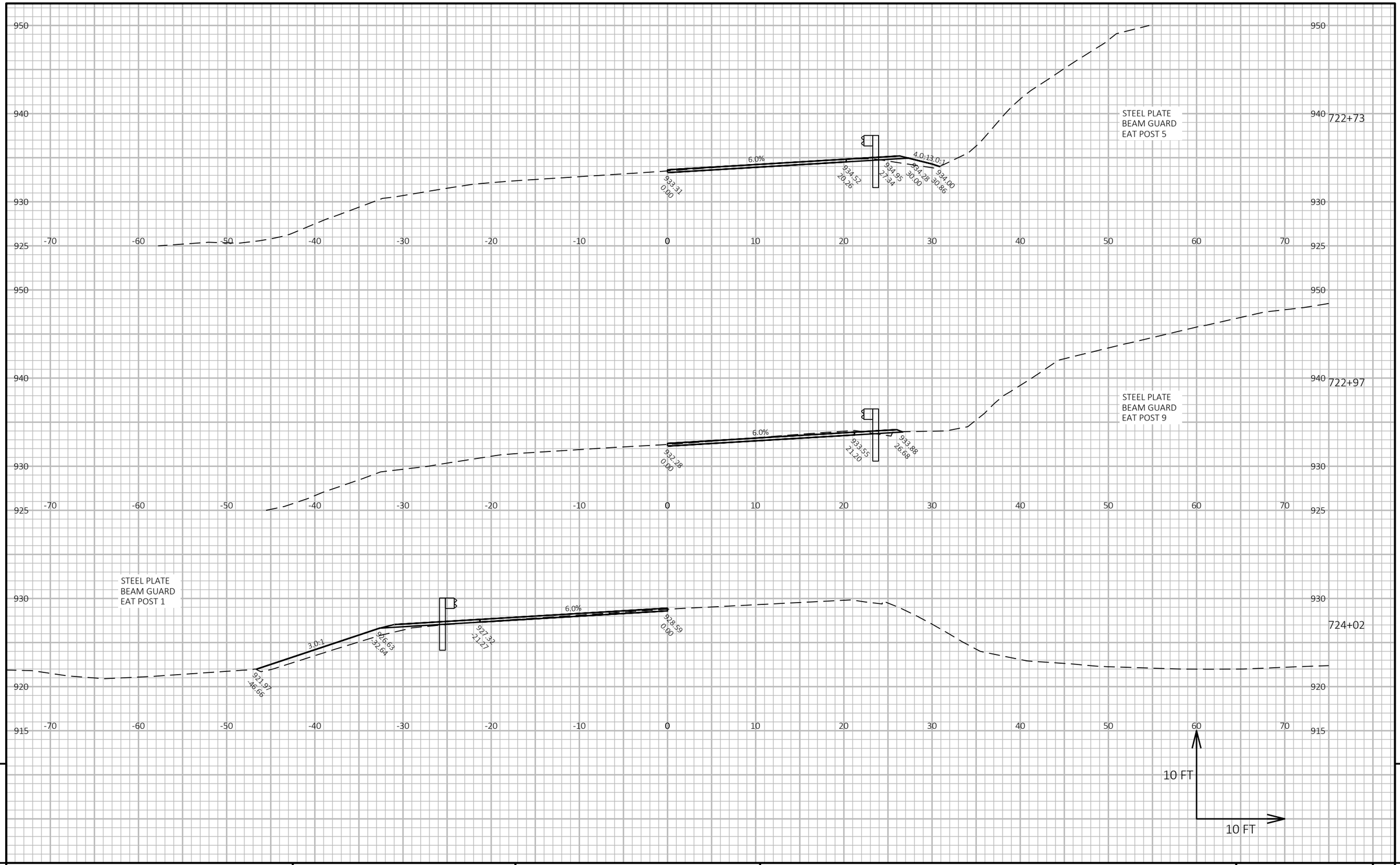
PLOT DATE : 7/2/2026 12:58 PM

PLOT BY : NICHOLAS WATHKE, PE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 184	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 42

PLOT DATE : 7/2/2026 12:58 PM PLOT BY : NICHOLAS WATHKE, PE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 185	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 43

PLOT DATE : 7/2/2026 12:58 PM

PLOT BY : NICHOLAS WATHKE, PE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

STEEL PLATE
BEAM GUARD
EAT POST 5

725+85

940
930
920
915
-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

3.0:1
921.09
-30.79
922.01
-27.98
922.67
-17.00
6.0%
923.69
0.00
6.0%
924.92
-20.57
925.45
-24.28
2.5:1
924.75
-25.28

STEEL PLATE
BEAM GUARD
EAT POST 9

725+97

940
930
920
915
-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

3.0:1
920.51
-33.10
921.63
-29.73
922.40
-17.00
6.0%
923.42
0.00
6.0%
924.63
-20.30
924.96
-25.68
2.5:1
923.78
-28.63

STEEL PLATE
BEAM GUARD
EAT POST 1

726+11

940
930
920
915
-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

3.0:1
920.78
-33.05
921.25
-31.64
922.13
-17.00
6.0%
923.15
0.00
6.0%
924.36
-20.25
924.71
-26.13
4.0:1
923.75
-30.00
3.0:1
918.85
-44.71

10 FT
10 FT

9

9

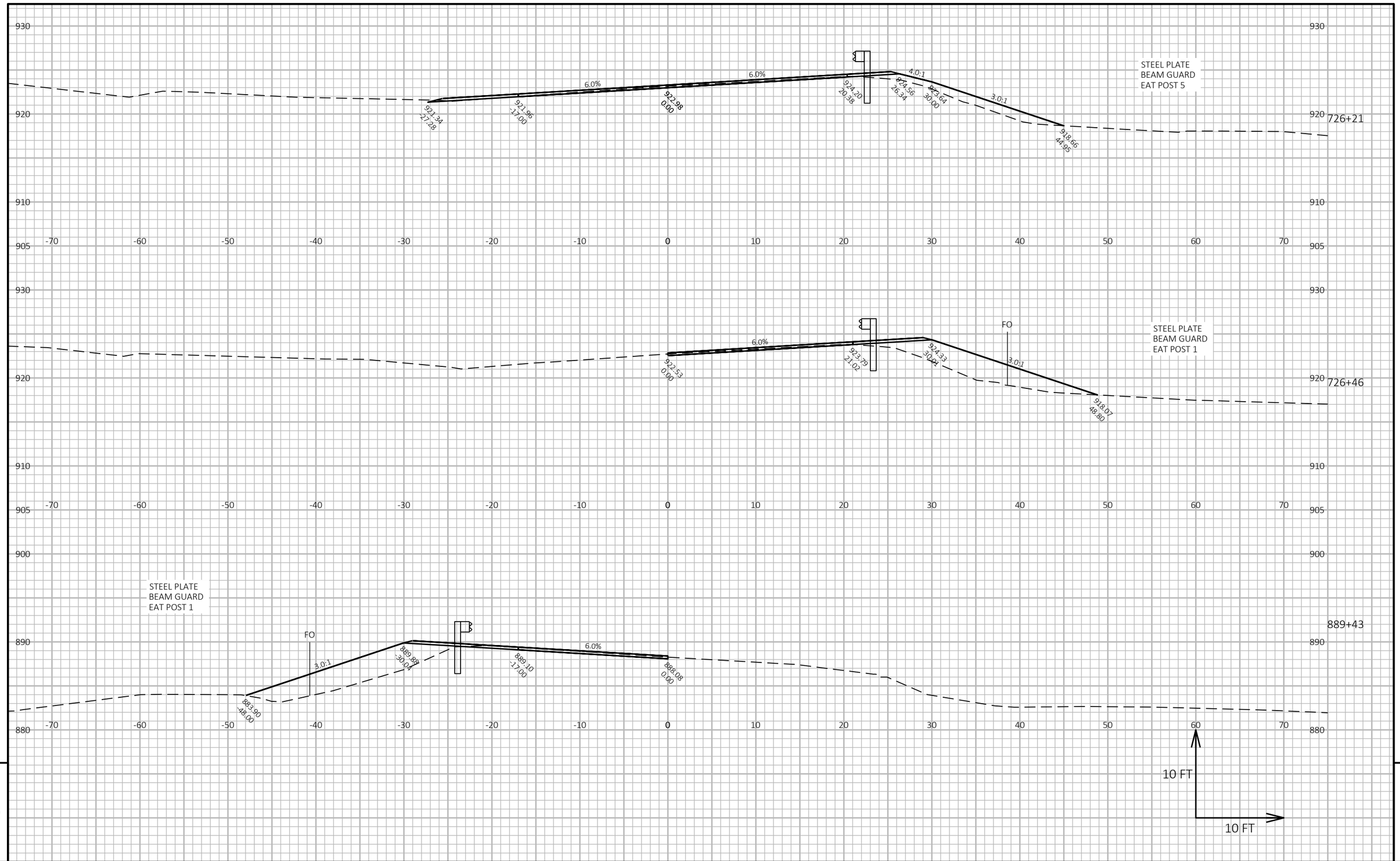
PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 186	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 44

PLOT DATE : 7/2/2026 12:58 PM PLOT BY : NICHOLAS WATHKE, PE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 187	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 45
PLOT DATE : 7/2/2026 12:58 PM
PLOT BY : NICHOLAS WATHKE, PE
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

STEEL PLATE
BEAM GUARD
EAT POST 5

889+68

FO

3.0:1

6.0%

885.82
-16.34

889.26
-17.00

888.24
0.00

882.50
-18.34

STEEL PLATE
BEAM GUARD
EAT POST 9

889+92

3.0:1

6.0%

889.87
-24.70

889.41
-17.00

888.39
0.00

884.92
-37.25

MGS EAT POST 1

940+33

FO FO

EX
RW

GAS

3.0:1

845.61
-27.40

846.02
-26.18

845.69
-20.75

6.0%

844.44
0.00

6.0%

843.12
-22.00

3.0:1

842.49
-32.64

841.22
-36.45

EX
RW

10 FT

10 FT

9

9

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 188	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 46

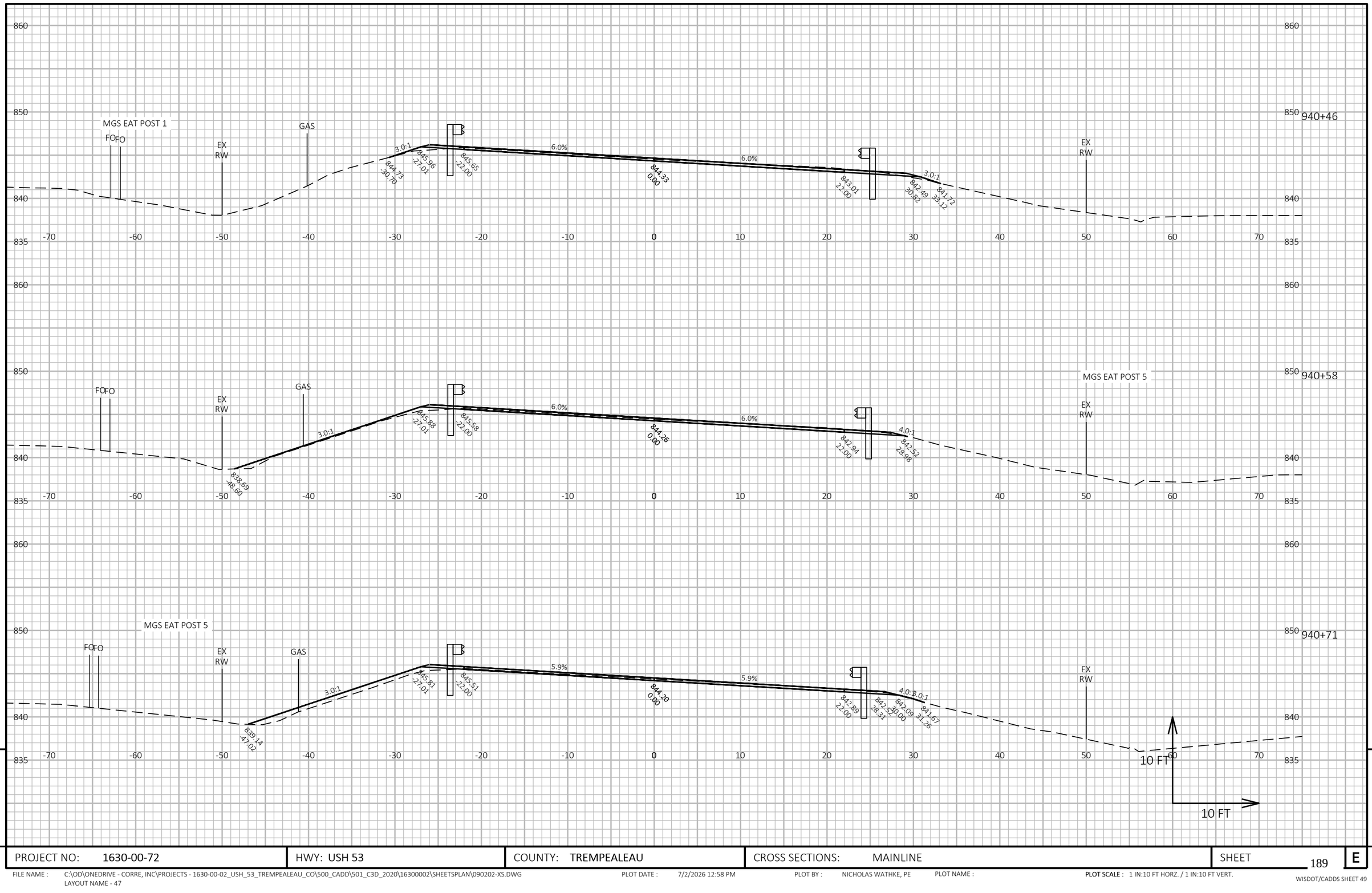
PLOT DATE : 7/2/2026 12:58 PM

PLOT BY : NICHOLAS WATHKE, PE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 189	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 47

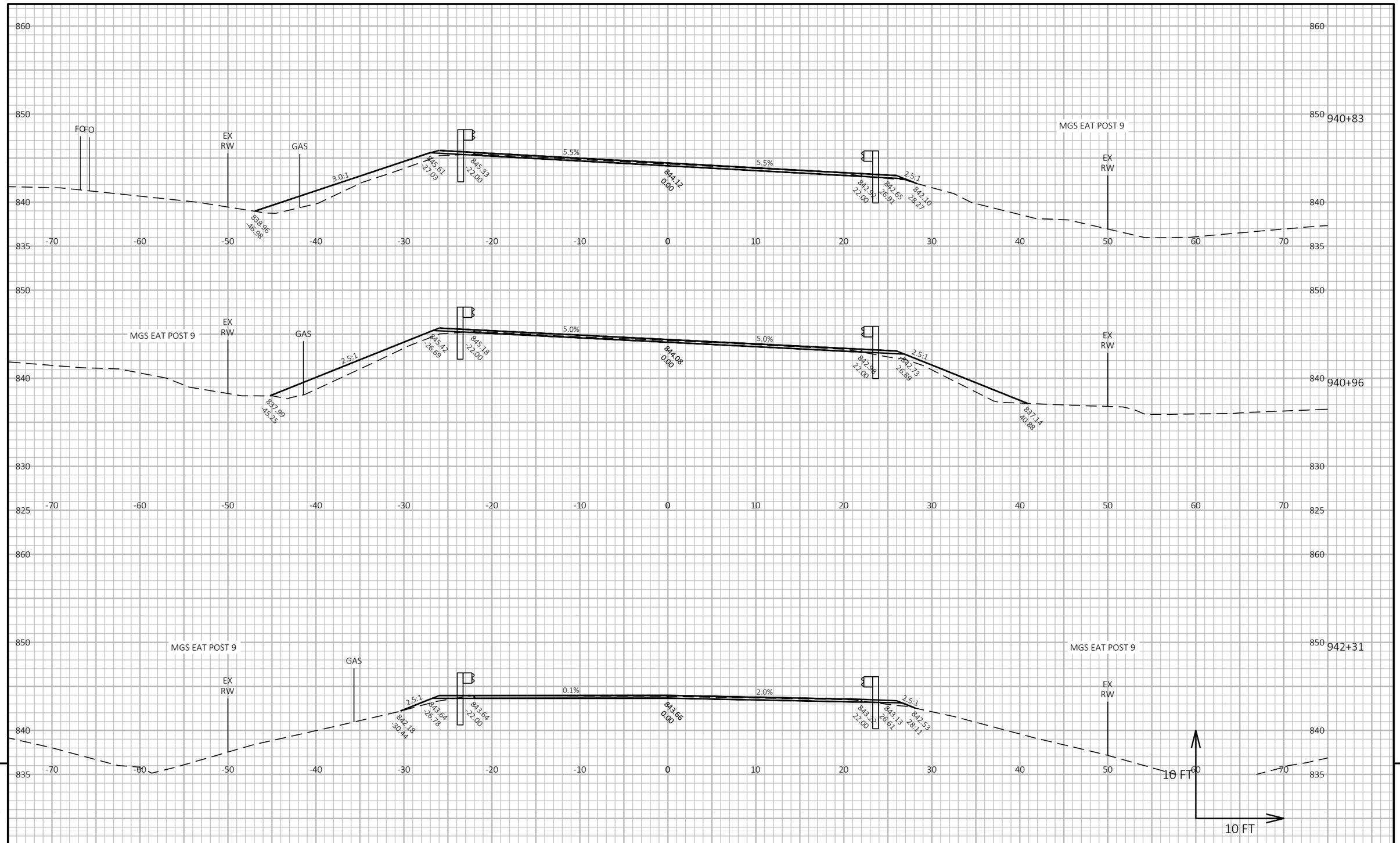
PLOT DATE : 7/2/2026 12:58 PM

PLOT BY : NICHOLAS WATHKE, PE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 190	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 48

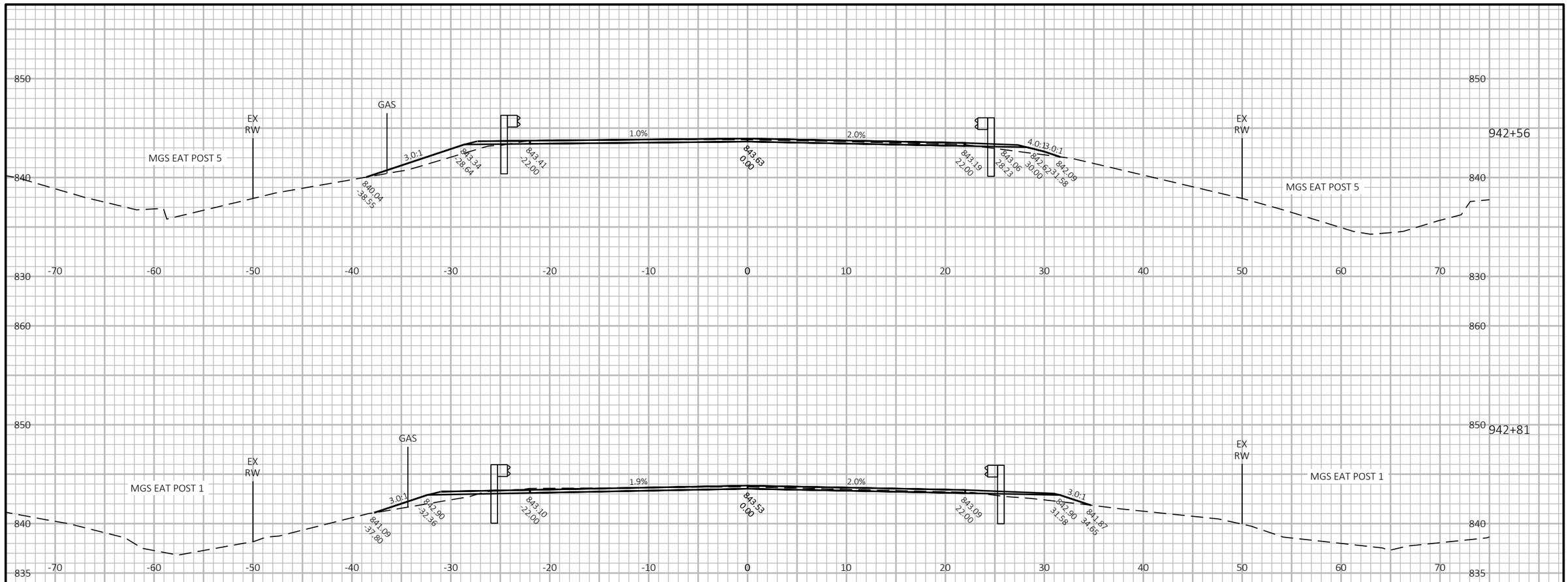
PLOT DATE : 7/2/2026 12:59 PM

PLOT BY : NICHOLAS WATHKE, PE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1630-00-72	HWY: USH 53	COUNTY: TREMPEALEAU	CROSS SECTIONS: MAINLINE	SHEET 191	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 1630-00-02_USH_53_TREMPEALEAU_CO\500_CADD\501_C3D_2020\16300002\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 49

PLOT DATE : 7/2/2026 12:59 PM

PLOT BY : NICHOLAS WATHKE, PE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov