EAU

DECEMBER 2023

PROJECT ID: 1190-08-79

WITH: N/A

COUNTY: CHIPPEWA

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details (Includes Erosion Control)
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 = 1356



29

N

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

CHIPPEWA FALLS - NEW AUBURN

40TH AVENUE - CTH B (NB & SB)

USH 53

CHIPPEWA COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1190-08-79	WISC 2024073	1

STATE PROJECT NUMBER

1190-08-79



LAYOUT

SCALE 0 2 MI

TOTAL NET LENGTH OF CENTERLINE = 7.595 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), CHIPPEWA 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.

DESIGN DESIGNATION			USH 53 SOUTH OF BUS 29	USH 53 BUS 29 - CTH S	USH 53 CTH S - CTH B
A.A.D.T.	2022	=	24,200	19,200	16,200
A.A.D.T.	2042	=	27,000	21,400	18,000
D.H.V.		=	3,000	2,550	2,200
D.D.		=	59/41	61/39	61/39
T.		=	13.35%	15.22%	16.43%
DESIGN SPEED		=	70 MPH	70 MPH	70 MPH
ESALS		=	12,000,000	12,000,000	12,000,000

CONVENTIONAL SYMBOLS

PLAN		PROFILE	
CORPORATE LIMITS		GRADE LINE	
PROPERTY LINE		ORIGINAL GROUND	
LOT LINE		MARSH OR ROCK PROFILE (To be noted as such)	ROCK
LIMITED HIGHWAY EASEMENT		SPECIAL DITCH	LABEL
EXISTING RIGHT OF WAY		GRADE ELEVATION	95.36
PROPOSED OR NEW R/W LINE		CULVERT (Profile View)	
SLOPE INTERCEPT		UTILITIES	
REFERENCE LINE	300'EB'	ELECTRIC	E
EXISTING CULVERT		FIBER OPTIC	FO
PROPOSED CULVERT (Box or Pipe)		GAS	G
COMBUSTIBLE FLUIDS	CAUTION	SANITARY SEWER	SAN
		STORM SEWER	SS
MARSH AREA		TELEPHONE	T
		WATER	W
		UTILITY PEDESTAL	
WOODED OR SHRUB AREA		POWER POLE	
		TELEPHONE POLE	

emcs inc

500 North 17th Avenue
Wausau, WI 54401
715.845.1081 Fax 715.845.1099

WISCONSIN
STEPHANIE G. CHRISTENSEN
E-35808
WAUSAU, WI
PROFESSIONAL ENGINEER

6/15/2021 (Date)

Stephanie G. Christensen (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	EMCS, INC.
Designer	EMCS, INC.
Project Manager	JESSE LARSON
Regional Examiner	TOU YANG
Regional Supervisor	NICOLE PASSUELLO

APPROVED FOR THE DEPARTMENT

DATE: 6/15/2021 Jesse Larson (Signature)

E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\010101-TI.DWG PLOT DATE : 6/14/2021 1:04 PM PLOT BY : DREW NELSON PLOT NAME :

2

GENERAL NOTES

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

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

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

CROSS DRAIN PIPE LOCATIONS AND ELEVATIONS AS SHOWN ARE ON THE CROSS SECTION SHEETS ARE APPROXIMATE AND SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

ALL REFERENCES TO "TOPSOIL" IN THE PLAN SHALL BE PAID AS "SALVAGED TOPSOIL".

NB = NORTHBOUND
SB = SOUTHBOUND

R/W = EXISTING RIGHT-OF-WAY (NO NEW RIGHT-OF-WAY PROPOSED FOR THIS PROJECT)

AS-BUILTS USED FOR PLAN DEVELOPMENT

PROJECT NO: T08-4(39), CONSTRUCTION YEAR: 1969
PROJECT NO: 1191-5-74, CONSTRUCTION YEAR: 1970
PROJECT NO: 1190-2-71, CONSTRUCTION YEAR: 1971
PROJECT NO: 1190-8-71, CONSTRUCTION YEAR: 1971
PROJECT NO: 1190-02-75, CONSTRUCTION YEAR: 1971
PROJECT NO: 1190-08-75, CONSTRUCTION YEAR: 1972
PROJECT NO: 1190-02-76, CONSTRUCTION YEAR: 1972
PROJECT NO: 1190-09-75, CONSTRUCTION YEAR: 1972
PROJECT NO: 1191-03-71, CONSTRUCTION YEAR: 1995
PROJECT NO: 1191-09-73, CONSTRUCTION YEAR: 2006
PROJECT NO: 1191-09-74, CONSTRUCTION YEAR: 2007
PROJECT NO: 1190-00-63, CONSTRUCTION YEAR: 2012
PROJECT NO: 1190-10-70, CONSTRUCTION YEAR: 2018
PROJECT NO: 8896-01-03, CONSTRUCTION YEAR: 2019

ORDER OF SECTION 2 SHEETS

PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PAVING DETAILS
EROSION CONTROL
PERMANENT SIGNING
PERMANENT MARKING
TRAFFIC CONTROL
FENCING PLAN

ALIGNMENT DESIGNATORS

SOUTH PROJECT LIMIT TEMPORARY CROSSOVER USH 53 NB - 'T1'
SOUTH PROJECT LIMIT TEMPORARY CROSSOVER USH 53 SB - 'T2'
MIDDLE TEMPORARY CROSSOVER USH 53 NB TO SB - 'TM1'
MIDDLE TEMPORARY CROSSOVER USH 53 NB TO NB - 'TM2'
MIDDLE TEMPORARY CROSSOVER USH 53 SB TO SB - 'TM3'
MIDDLE TEMPORARY CROSSOVER USH 53 SB TO NB - 'TM4'
NORTH PROJECT LIMIT TEMPORARY CROSSOVER USH 53 NB - 'T3'
NORTH PROJECT LIMIT TEMPORARY CROSSOVER USH 53 SB - 'T4'
TEMPORARY USH 53 NB/CTH S EXIT CROSSOVER 1 - 'SA1'
TEMPORARY USH 53 NB/CTH S EXIT CROSSOVER 2 - 'SA2'
TEMPORARY USH 53 NB/CTH S ENTRANCE CROSSOVER 1 - 'SB1'
TEMPORARY USH 53 NB/CTH S ENTRANCE CROSSOVER 2 - 'SB2'
TEMPORARY USH 53 SB/CTH S EXIT CROSSOVER 1 - 'SC1'
TEMPORARY USH 53 SB/CTH S EXIT CROSSOVER 2 - 'SC2'
TEMPORARY USH 53 SB/CTH S ENTRANCE CROSSOVER 1 - 'SD1'
TEMPORARY USH 53 SB/CTH S ENTRANCE CROSSOVER 2 - 'SD2'
TEMPORARY USH 53 NB/CTH B EXIT CROSSOVER 1 - 'BA1'
TEMPORARY USH 53 NB/CTH B EXIT CROSSOVER 2 - 'BA2'
TEMPORARY USH 53 SB/BUS 29 EXIT CROSSOVER 1 - XC1'

ALIGNMENT DESIGNATORS

USH 53 NB/BUS 29 EXIT - 'XA'
USH 53 NB/BUS 29 ENTRANCE - 'XB'
USH 53 SB/BUS 29 EXIT - 'XC'
USH 53 SB/BUS 29 ENTRANCE - 'XD'
USH 53 NB/CTH S EXIT - 'SA'
USH 53 NB/CTH S ENTRANCE - 'SB'
USH 53 SB/CTH S EXIT - 'SC'
USH 53 SB/CTH S ENTRANCE - 'SD'
CTH S EB - 'EB'
CTH S WB - 'WB'
USH 53 NB/CTH B EXIT - 'BA'
USH 53 NB/CTH B ENTRANCE - 'BB'
USH 53 SB/CTH B EXIT - 'BC'
USH 53 SB/CTH B ENTRANCE - 'BD'

RUNOFF COEFFICIENT TABLE

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

TOTAL PROJECT AREA = 437 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 136 ACRES

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

WISCONSIN CENTRAL LTD (CN)

WISCONSIN CENTRAL LTD (CN)
1625 DEPOT STREET
STEVENS POINT, WI 54481
ATTN: JACQUELINE MACEWICZ
(715) 345-2503
JACKIE.MACEWICZ@CN.CA

CALL BEFORE YOU DIG
CN IS NOT PART OF DIGGERS HOTLINE
CONTACT MARY ELLEN CARMODY
(734) 783-4533

UTILITIES

COMMUNICATIONS

AT&T WI
RICK PODOLAK
304 S DEWEY ST
EAU CLAIRE, WI 54701
PHONE OFFICE: (715) 839-5565
PHONE MOBILE: (715) 410-0656
RP4514@ATT.COM

ASTREA
RUESSELL KENNY
105 KENT ST
IRON MOUNTAIN, MI 49801
PHONE: (906) 282-6434
RUSSELL.KENNY@ASTREACONNECT.COM

BRIGHTSPEED NTHRN WI
JEREMY SISKO
1871 RAILROAD AVE
CHETEK WI, 54728
PHONE OFFICE: (980) 376-1882
PHONE MOBILE: (715) 788-9576
JEREMY.SISKO@BRIGHTSPEED.COM

CHARTER COMMUNICATIONS
SHANE YODER
1201 MCCANN DR
ALTOONA, WI 54720
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SHANE.YODER@CHARTER.COM

CINC
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EAU CLAIRE, WI 54701
PHONE: (715) 836-5286
BAUERDP@UWEC.EDU

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MIKE ANDRASCHKO
PO BOX 220
MENOMONIE, WI 54751
PHONE: (715) 231-0214
MANDRA@DUNNENERGY.COM

XCEL ENERGY
DAVID MELSNESS
PO BOX 8
EAU CLAIRE, WI 54702
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PHONE MOBILE: (715) 651-4505
DAVID.J.MELSNESS@XCELENERGY.COM

ELECTRIC - TRANSMISSION

XCEL ENERGY
MITCHELL DIENGER
414 NICOLLET MALL 5TH FLOOR
MINNEAPOLIS, MN 55401
PHONE OFFICE: (612) 321-3109
PHONE MOBILE: (608) 386-2233
MITCHELL.A.DIENGER@XCELENERGY.COM

COPY ALL XCEL ENERGY CORRESPONDENCE TO:
CORISSA SEELY
1414 WEST HAMILTON AVENUE
PO BOX 0008
EAU CLAIRE, WI 54702-0008
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CORISSA.E.SEELY@XCELENERGY.COM

GAS/PETROLEUM

MAGELLAN PIPELINE
CLAIR MADSEN
2451 W COUNTY ROAD C
ST PAUL, MN 55113-2513
PHONE: (612) 750-1806
CLAIR.MADSEN@MAGELLANLP.COM

VIKING GAS TRANS CO
STEVE KEILEN
2077 70TH AVE
OSCEOLA, WI 54020
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STEVEN.KEILEN@ONEOK.COM

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SANITARY SEWER

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PHONE MOBILE: (715) 577-4917
RRUBENZER@CHIPPEWAFALLS-WI.GOV

WATER

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RRUBENZER@CHIPPEWAFALLS-WI.GOV

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13136 30TH AVE
LAKE HALLIE, WI 54729
PHONE OFFICE: (715) 726-2660
PHONE MOBILE: (715) 559-7019
DSCHAD@LAKEHALLIE.US

OTHER CONTACTS

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(715) 934-9014
LEAH.NICOL@WISCONSIN.GOV

WISCONSIN DEPARTMENT OF TRANSPORTATION

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DESIGNER CONTACT

EMCS, INC.
500 NORTH 17TH AVENUE
WAUSAU, WI 54401
OFFICE: 715-845-1081

2

2

CONSTRUCTION LIMITS
CONSTRUCT AND REMOVE TEMPORARY CROSSOVERS, REPLACE INSIDE SHOULDERS

BEGIN CONSTRUCTION
STA 2082+91
BEGIN PVT REPLACEMENT

S-9-22
(TO REMAIN)

B-9-46
(TO REMAIN)

BEGIN PROJECT
STA 1132+77
BEGIN PVT REPLACEMENT

B-9-47
(TO REMAIN)

120TH ST
40TH AVE
40TH AVE
50TH AVE
50TH AVE
30TH AVE
CTH OO
CTH OO
STH 124
STH 29
STH 29
STH 124
USH 53 SB
USH 53 NB
WCL RR
CHIPPEWA RIVER STATE TRAIL
UNNAMED OPEN WATER
UNNAMED OPEN WATER
VILLAGE OF LAKE HALLIE
CITY OF CHIPPEWA FALLS
1040
2000
1060
2020
1080
2040
1100
2060
1120
2080
1140
2100
1160
2120
1180
2140
1200

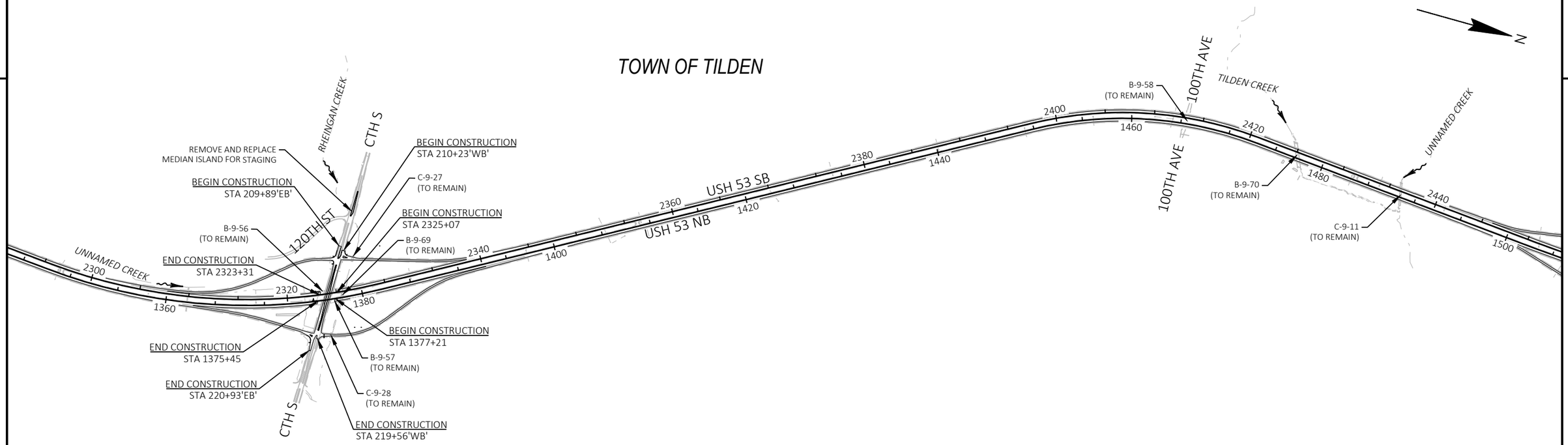
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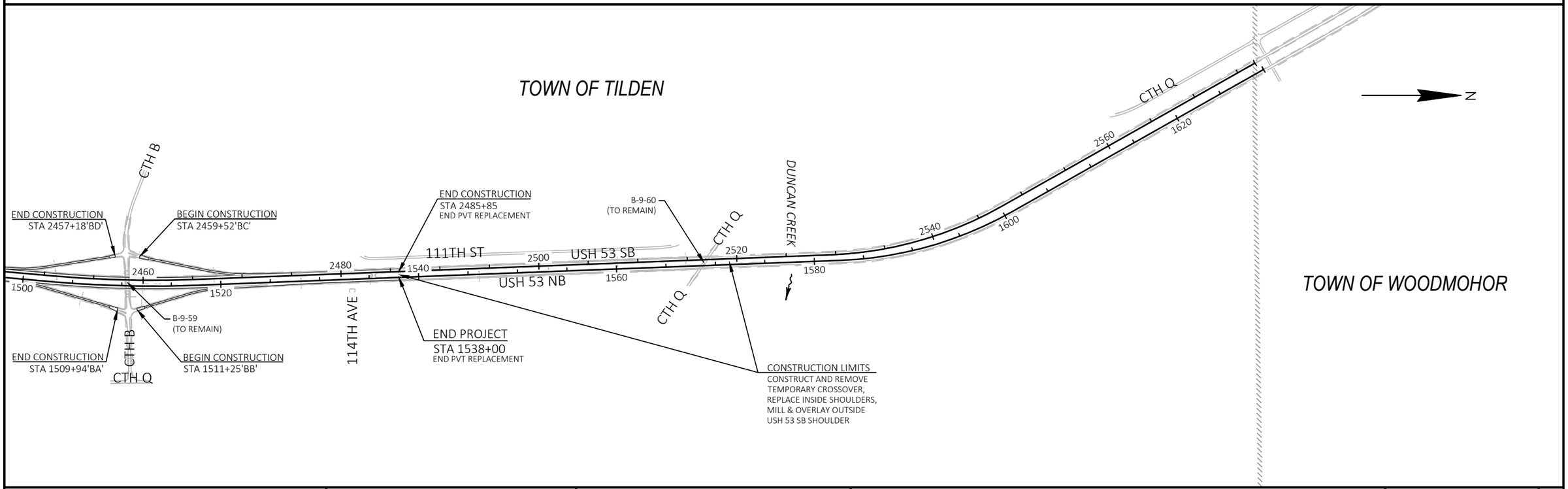
CHIPPEWA RIVER
BUS 29 / CTH X
UNNAMED OPEN WATER
TOWN OF WHEATON
BEGIN CONSTRUCTION
STA 2167+42'XC'
END CONSTRUCTION
STA 2179+25
END CONSTRUCTION
STA 2181+49'XD'
B-9-50
POLYMER OVERLAY
(SEE STRUCTURE PLANS)
B-9-52
(TO REMAIN)
BEGIN CONSTRUCTION
STA 2181+71
BRANCH CHIPPEWA RIVER
B-9-48
POLYMER OVERLAY
(SEE STRUCTURE PLANS)
B-9-83
(TO REMAIN)
B-9-54
(TO REMAIN)
CITY OF CHIPPEWA FALLS
TOWN OF TILDEN
CTH N
2160
2180
2200
2220
2240
2260
2280
2300
1200
1220
1240
1260
1280
1300
1320
1340
USH 53 SB
USH 53 NB
UNNAMED CREEK
120TH ST
WCL RR
BEGIN CONSTRUCTION
STA 1233+90
B-9-49
POLYMER OVERLAY
(SEE STRUCTURE PLANS)
B-9-51
POLYMER OVERLAY
(SEE STRUCTURE PLANS)
UNNAMED OPEN WATER
B-9-53
(TO REMAIN)
END CONSTRUCTION
STA 1233+85'XA'
BEGIN CONSTRUCTION
STA 1220+27'XB'
END CONSTRUCTION
STA 1231+44
BUS 29 / CTH X
CITY OF CHIPPEWA FALLS
UNNAMED OPEN WATER
CITY OF CHIPPEWA FALLS

Z

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PROJECT OVERVIEW	SHEET 3	E

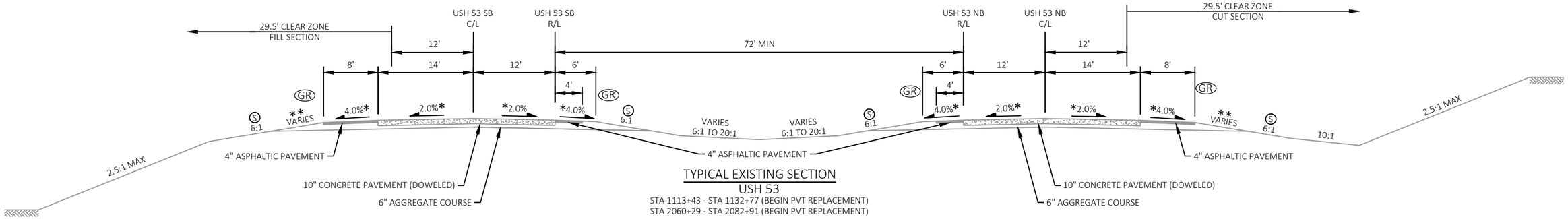
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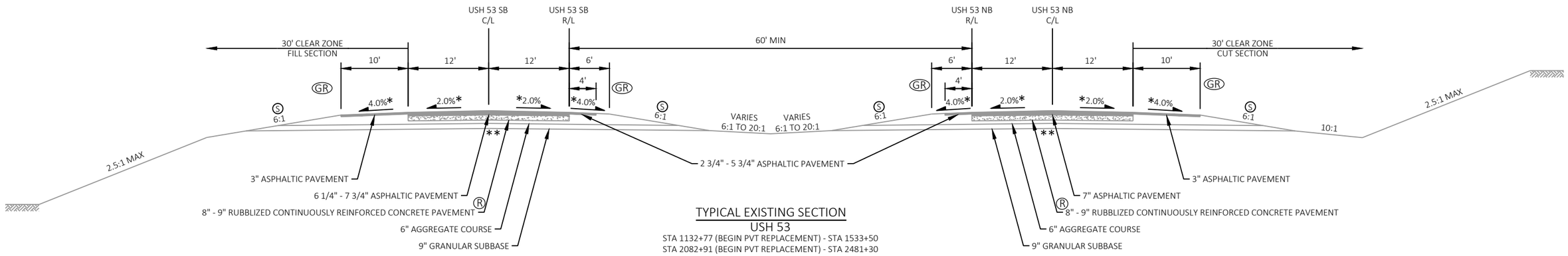


PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PROJECT OVERVIEW	SHEET 4	E

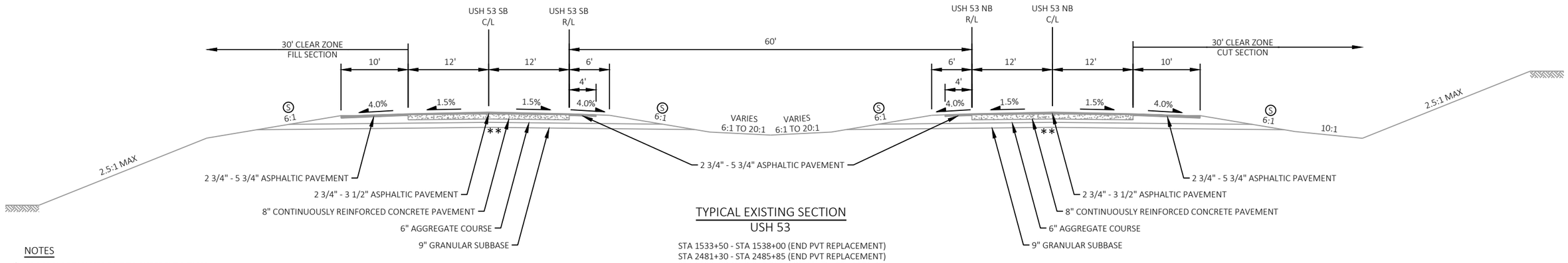
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LAYOUT NAME - 02
PLOT DATE : 4/23/2021 3:40 PM
PLOT BY : DREW NELSON
PLOT NAME :
PLOT SCALE : 1 IN:1000 FT
WISDOT/CADDS SHEET 44



TYPICAL EXISTING SECTION
USH 53
STA 1113+43 - STA 1132+77 (BEGIN PVT REPLACEMENT)
STA 2060+29 - STA 2082+91 (BEGIN PVT REPLACEMENT)



TYPICAL EXISTING SECTION
USH 53
STA 1132+77 (BEGIN PVT REPLACEMENT) - STA 1533+50
STA 2082+91 (BEGIN PVT REPLACEMENT) - STA 2481+30



TYPICAL EXISTING SECTION
USH 53
STA 1533+50 - STA 1538+00 (END PVT REPLACEMENT)
STA 2481+30 - STA 2485+85 (END PVT REPLACEMENT)
STA 1538+00 (END PVT REPLACEMENT) - STA 1571+32
STA 2485+85 (END PVT REPLACEMENT) - STA 2524+82

NOTES

* CROSS SLOPE VARIES DUE TO SUPERELEVATION

** ORIGINAL CROSS SLOPE OF CONCRETE PAVEMENT AND BASE LAYERS WAS CONSTRUCTED AT 1.0% IN TANGENT SECTIONS

(S) EXISTING SIDE SLOPES VARY, TYPICAL MAXIMUM SIDE SLOPE IS 3:1

(GR) SEE SECTION 5 PLAN SHEETS FOR EXISTING GUARDRAIL LOCATIONS

SEE SECTION 5 PLAN SHEETS FOR EXISTING USH 53 BRIDGE LOCATIONS

PAVEMENT TERMINAL ANCHORS WERE PREVIOUSLY REMOVED ON USH 53, TYPICAL REMOVAL LENGTHS ARE 200' AND GENERALLY OCCUR ON BOTH SIDES OF BRIDGE DECKS, EXISTING PAVEMENT STRUCTURES FOR THESE SEGMENTS IS 9" ASPHALTIC PAVEMENT OVER 10" AGGREGATE COURSE

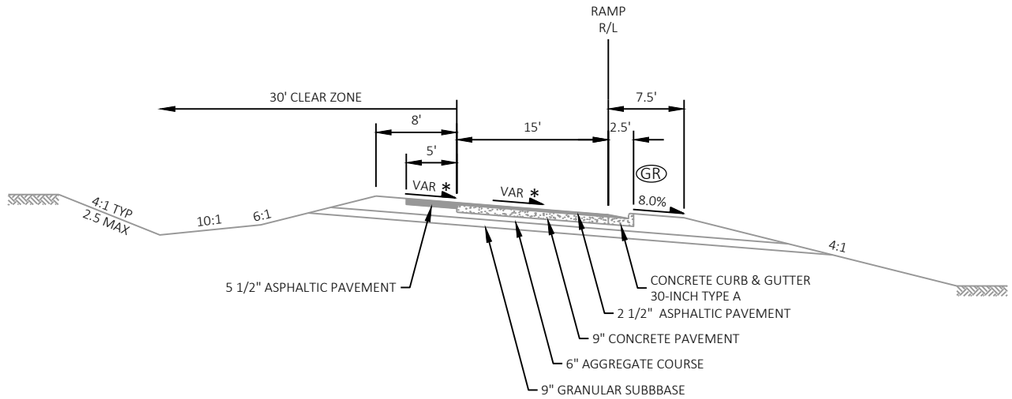
A CLAY BLANKET WAS CONSTRUCTED IN MEDIAN AND OUTSIDE DITCHES FROM APPROXIMATELY STA 1189+00 - STA 1199+10 AND STA 2137+50 - STA 2147+00

(R) CONTINUOUS REINFORCEMENT MAY NOT BE PRESENT FROM BEGIN PROJECT LIMITS TO THE CHIPPEWA RIVER BRIDGES

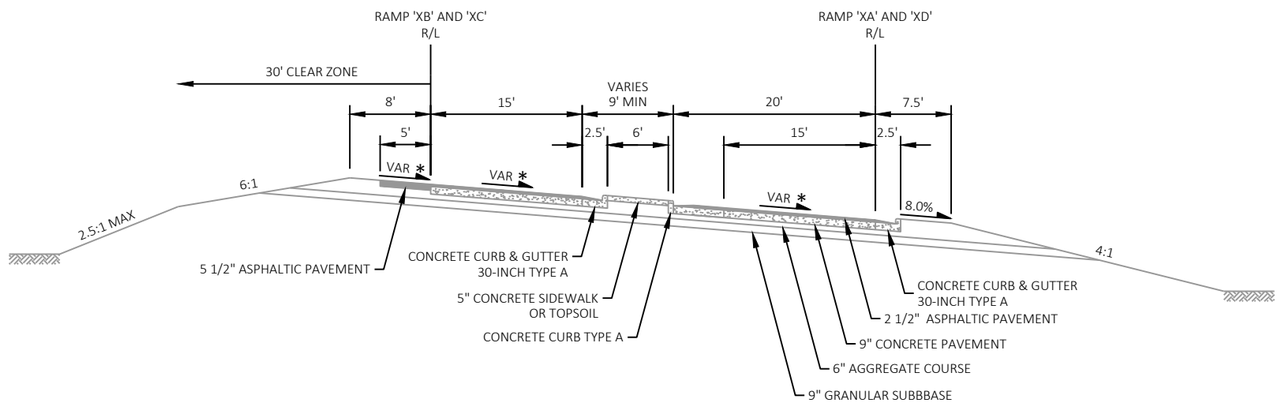
DOWEL BARS AND TIE BARS MAY BE PRESENT IN THE EXISTING CONCRETE PAVEMENT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TYPICAL SECTIONS	SHEET 5	E

2



TYPICAL EXISTING SECTION
USH 53/BUS 29 RAMPS
NB RAMPS SHOWN, MIRROR FOR SB RAMPS
STA 1218+16'XA' - STA 1228+30'XA'
STA 1226+45'XB' - STA 1241+62'XB'
STA 2174+00'XC' - STA 2184+35'XC'
STA 2164+68'XD' - STA 2175+54'XD'



TYPICAL EXISTING SECTION
USH 53/BUS 29 RAMPS
STA 1228+30'XA' - STA 1233+85'XA'
STA 1220+27'XB' - STA 1226+45'XB'
STA 2167+42'XC' - STA 2174+00'XC'
STA 2175+54'XD' - STA 2181+49'XD'

NOTES

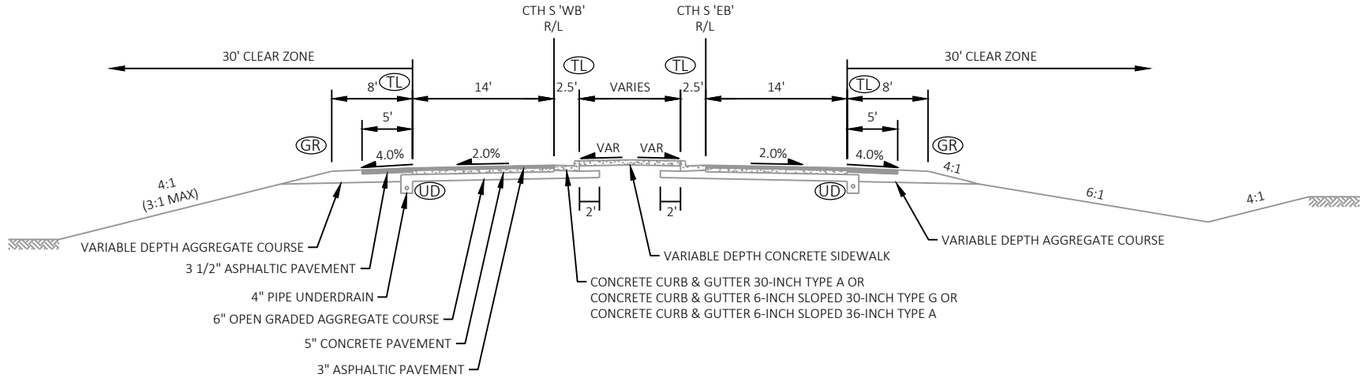
* CROSS SLOPE VARIES DUE TO SUPERELEVATION, SE MAX = 8% FOR BUS 29/CTH X RAMPS

(GR) SEE SECTION 5 PLAN SHEETS FOR EXISTING GUARDRAIL LOCATIONS

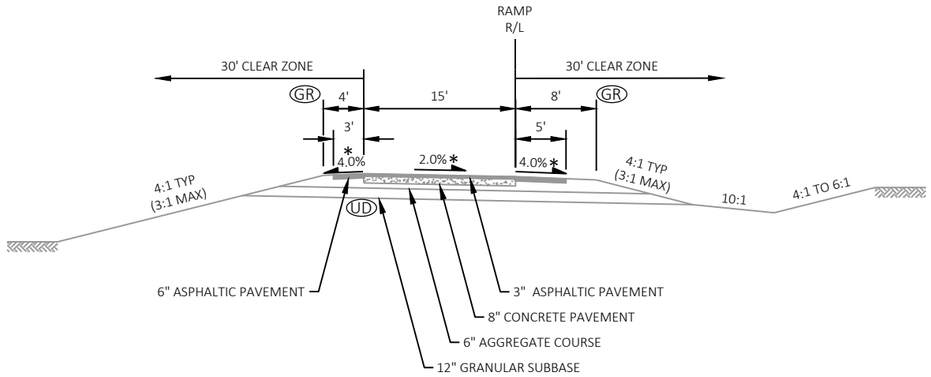
DOWEL BARS AND TIE BARS MAY BE PRESENT IN THE EXISTING CONCRETE PAVEMENT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TYPICAL SECTIONS	SHEET 6	E

2



TYPICAL EXISTING SECTION
CTH S
STA 209+89'EB' - STA 220+93'EB'
STA 210+23'WB' - STA 219+56'WB'
(TS)



TYPICAL EXISTING SECTION
USH 53/CTH S RAMPS
NB RAMPS SHOWN, MIRROR FOR SB RAMPS
STA 1356+12'SA' - STA 1375+54'SA'
STA 1373+91'SB' - STA 1402+03'SB'
STA 2325+79'SC' - STA 2344+64'SC'
STA 2298+71'SD' - STA 2325+53'SD'

NOTES

* CROSS SLOPE VARIES DUE TO SUPERELEVATION

** ORIGINAL CROSS SLOPE OF CONCRETE PAVEMENT AND BASE LAYERS WAS CONSTRUCTED AT 1.0% IN TANGENT SECTIONS

(UD) 4" PIPE UNDERDRAIN IS PRESENT ALONG CTH S AND ON THE USH 53 NB EXIT RAMP TO CTH S FOR APPROXIMATELY THE LAST 225' APPROACHING CTH S

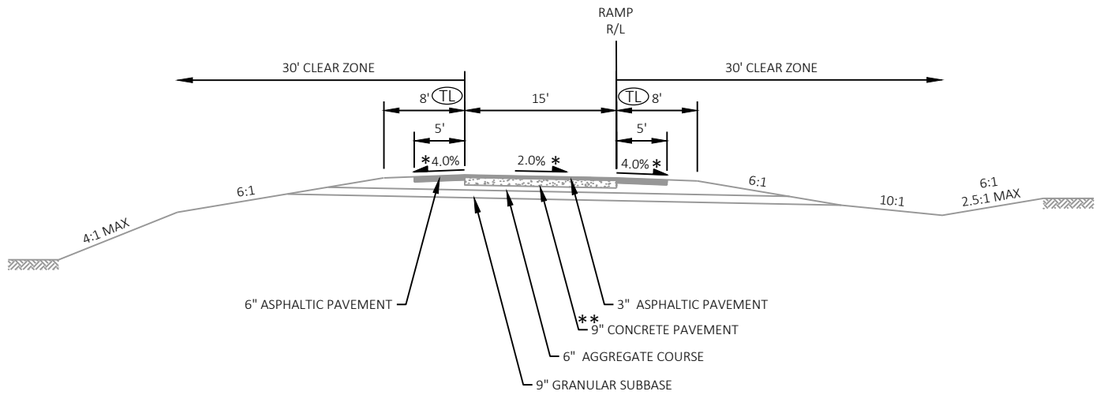
(GR) SEE SECTION 5 PLAN SHEETS FOR EXISTING GUARDRAIL LOCATIONS

(TL) SEE SECTION 5 PLAN SHEETS FOR EXISTING TURN LANE LOCATIONS, TURN LANES ARE CONSTRUCTED WITH 3" ASPHALTIC PAVEMENT OVER 5" CONCRETE PAVEMENT

DOWEL BARS AND TIE BARS MAY BE PRESENT IN THE EXISTING CONCRETE PAVEMENT

(TS) TYPICAL EXISTING SECTION SECTION BEYOND PAVEMENT REPLACEMENT LIMITS:
- WEST OF PAVEMENT REPLACEMENT: 8" CONCRETE PAVEMENT (14' WIDE), 3" ASPHALTIC PAVEMENT (5' WIDE), VARIABLE DEPTH AGGREGATE SHOULDER (3' WIDE)
- EAST OF PAVEMENT REPLACEMENT: 10" CONCRETE PAVEMENT (14' WIDE), 5" ASPHALTIC PAVEMENT (6' WIDE), VARIABLE DEPTH AGGREGATE SHOULDER (2' WIDE)

2



TYPICAL EXISTING SECTION
USH 53/CTH B RAMPS

NB RAMPS SHOWN, MIRROR FOR SB RAMPS
STA 1494+03'BA' - STA 1509+94'BA'
STA 1511+25'BB' - STA 1530+16'BB'
STA 2459+52'BC' - STA 2475+47'BC'
STA 2437+63'BD' - STA 2457+18'BD'

NOTES

* CROSS SLOPE VARIES DUE TO SUPERELEVATION

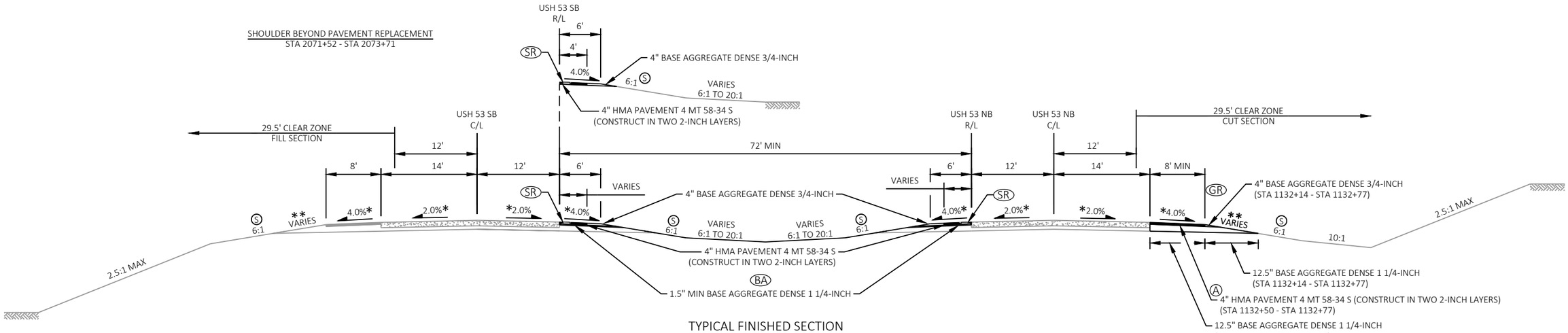
** ORIGINAL CROSS SLOPE OF CONCRETE PAVEMENT AND BASE LAYERS WAS CONSTRUCTED AT 1.0% IN TANGENT SECTIONS

(TL) SEE SECTION 5 PLAN SHEETS FOR EXISTING TURN LANE LOCATIONS, TURN LANES ARE CONSTRUCTED WITH 7" ASPHALTIC PAVEMENT

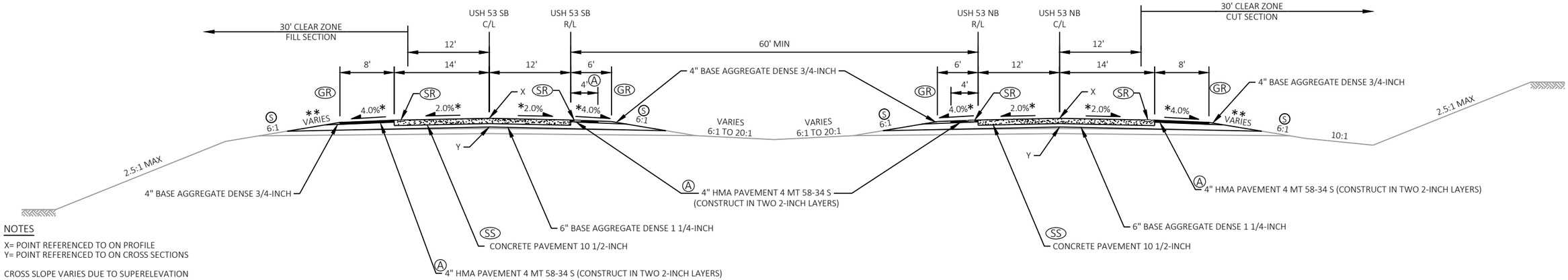
DOWEL BARS AND TIE BARS MAY BE PRESENT IN THE EXISTING CONCRETE PAVEMENT

2

SHOULDER BEYOND PAVEMENT REPLACEMENT
STA 2071+52 - STA 2073+71



TYPICAL FINISHED SECTION
USH 53
STA 1113+43 - STA 1119+94
STA 1126+96 - STA 1132+77 (BEGIN PVT REPLACEMENT)
STA 2060+29 -STA 2082+91 (BEGIN PVT REPLACEMENT)



TYPICAL FINISHED SECTION
USH 53
STA 1132+77 (BEGIN PVT REPLACEMENT) - STA 1538+00 (END PVT REPLACEMENT)
STA 2082+91 (BEGIN PVT REPLACEMENT) - STA 2485+85 (END PVT REPLACEMENT)

NOTES

X= POINT REFERENCED TO ON PROFILE
Y= POINT REFERENCED TO ON CROSS SECTIONS

* CROSS SLOPE VARIES DUE TO SUPERELEVATION

** SEE CROSS SECTIONS FOR SLOPES. SLOPES VARY TO MATCH EXISTING GROUND AT SUBGRADE SHOULDER POINT IF SLOPE IS LESS THAN 2:1. SIDE SLOPE IS 2:1 MAX.

(S) EXISTING SIDE SLOPES VARY, TYPICAL MAXIMUM SIDE SLOPE IS 3:1.

(GR) SEE SECTION 5 PLAN SHEETS FOR PROPOSED GUARDRAIL LOCATIONS.

SEE SECTION 5 PLAN SHEETS FOR EXISTING USH 53 BRIDGE LOCATIONS. PLACE CONCRETE PAVEMENT APPROACH SLABS AT ALL BRIDGES, SEE SDD "CONCRETE PAVEMENT APPROACH SLAB" FOR ADDITIONAL INFORMATION.

(A) ASPHALT SHOULDERS WHICH WILL TEMPORARILY CARRY TRAFFIC WILL HAVE THE FOLLOWING PAVEMENT STRUCTURE. PERMANENT PAVED SHOULDER WIDTH WILL BE INCREASED FROM 4' TO 6' WIDE FROM STA 2470+75 - STA 2485+85, RT. SEE TRAFFIC CONTROL PLANS FOR ADDITIONAL INFORMATION.
2" HMA PAVEMENT 4 MT 58-34 S (UPPER LAYER)
2" HMA PAVEMENT 4 MT 58-34 S (MIDDLE LAYER)
2" HMA PAVEMENT 4 MT 58-34 S (LOWER LAYER)

(SR) SHOULDER RUMBLE STRIPS RURAL DIVIDED HIGHWAY. SEE SDD "SHOULDER RUMBLE STRIP, MILLING" FOR CONCRETE AND ASPHALTIC SHOULDER RUMBLE STRIPS.

PLACE FULLY AUTOMATED RESIN BINDER HIGH FRICTION SURFACE TREATMENT ON THE CONCRETE PAVEMENT NEAR THE BUS 29/CTH X INTERCHANGE. SEE CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.

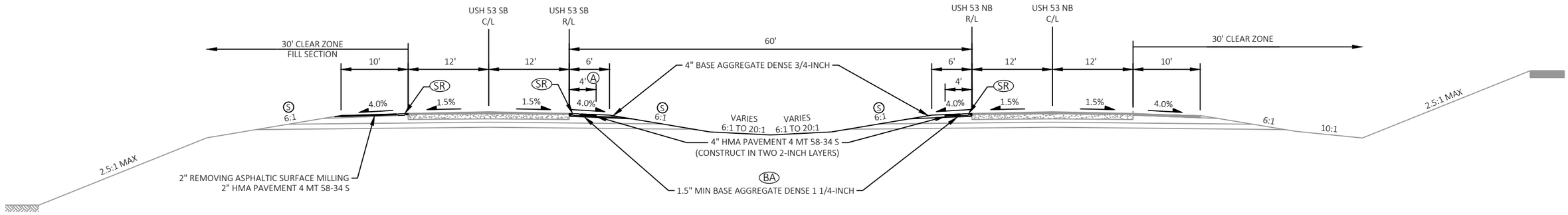
(BA) THE UNDERLYING BASE AGGREGATE FROM TEMPORARY CROSSOVER CONSTRUCTION IS TO REMAIN IN SHOULDER REPLACEMENT AREAS, ADD 1.5" MIN BASE AGGREGATE DENSE 1 1/4-INCH.

(SS) TREAT ALL NEWLY CONSTRUCTED SAW CUTS ASSOCIATED WITH CONCRETE PAVEMENT WITH CONCRETE SILANE SEALER FOR PCC SAW CUTS . LEAVE A CONTROL SECTION UNTREATED ON USH 53 NORTHBOUND FROM THE STA 1282+00 - STA 1292+00.

SEE THE EROSION CONTROL SHEETS FOR TOPSOIL AND FINISHING INFORMATION.

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TYPICAL SECTIONS	SHEET 9	E

2



TYPICAL FINISHED SECTION
USH 53

STA 1547+48 - STA 1571+32, LT
STA 2485+85 (END PVT REPLACEMENT) - STA 2524+82, LT
STA 2485+85 (END PVT REPLACEMENT) - STA 2488+80, RT
STA 2495+40 - STA 2517+16, RT

NOTES

X= POINT REFERENCED TO ON PROFILE
Y= POINT REFERENCED TO ON CROSS SECTIONS

(A) ASPHALT SHOULDERS WHICH WILL TEMPORARILY CARRY TRAFFIC WILL HAVE THE FOLLOWING PAVEMENT STRUCTURE. PERMANENT PAVED SHOULDER WIDTH WILL BE INCREASED FROM 4' TO 6' WIDE FROM STA 2465+85 - STA 2491+04. SEE TRAFFIC CONTROL PLANS FOR ADDITIONAL INFORMATION.
2" HMA PAVEMENT 4 MT 58-34 S (UPPER LAYER)
2" HMA PAVEMENT 4 MT 58-34 S (MIDDLE LAYER)
2" HMA PAVEMENT 4 MT 58-34 S (LOWER LAYER)

(S) EXISTING SIDE SLOPES VARY, TYPICAL MAXIMUM SIDE SLOPE IS 3:1.

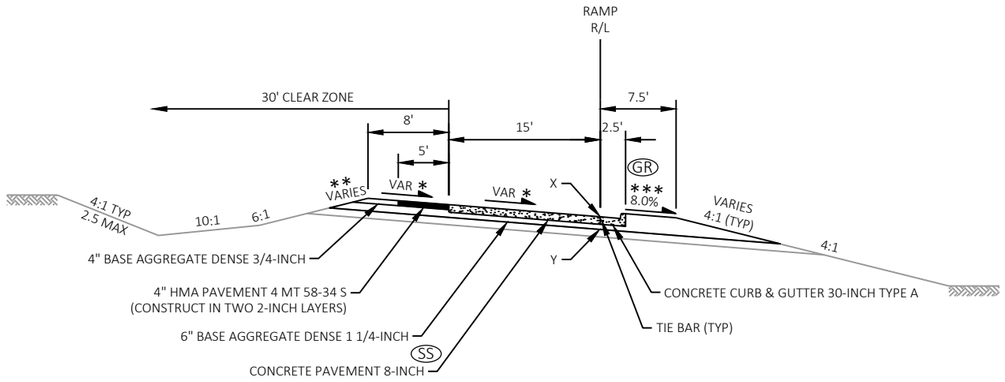
(SR) SHOULDER RUMBLE STRIPS RURAL DIVIDED HIGHWAY.
SEE SDD "SHOULDER RUMBLE STRIP, MILLING"
FOR CONCRETE AND ASPHALTIC SHOULDER RUMBLE STRIPS.

(BA) THE UNDERLYING BASE AGGREGATE FROM TEMPORARY CROSSOVER CONSTRUCTION IS TO REMAIN IN SHOULDER REPLACEMENT AREAS, ADD 1.5" MIN BASE AGGREGATE DENSE 1 1/4-INCH.

SEE THE EROSION CONTROL SHEETS FOR TOPSOIL AND FINISHING INFORMATION.

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TYPICAL SECTIONS	SHEET 10	E

2

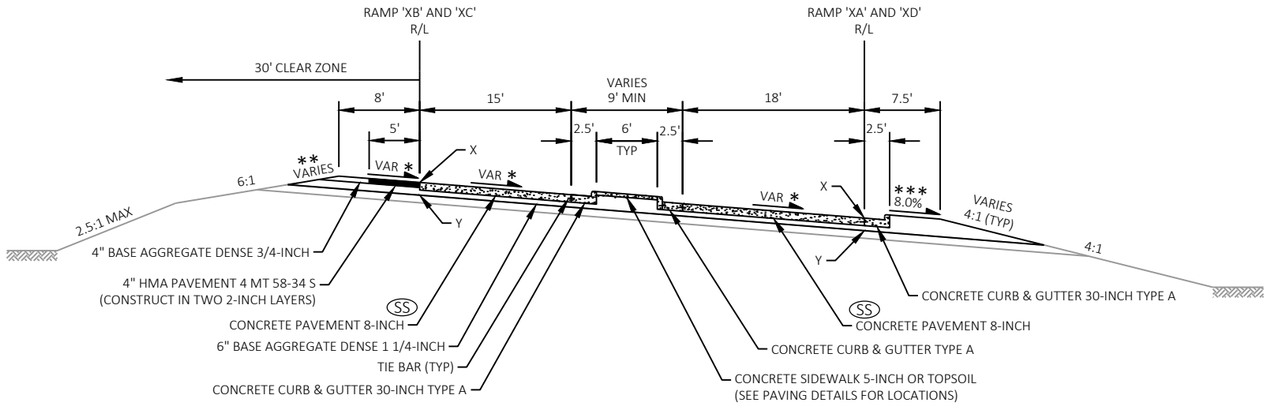


TYPICAL FINISHED SECTION

USH 53/BUS 29 RAMPS

NB RAMPS SHOWN, MIRROR FOR SB RAMPS

STA 1218+16'XA' - STA 1228+30'XA'
STA 1226+45'XB' - STA 1241+62'XB'
STA 2174+00'XC' - STA 2184+35'XC'
STA 2164+68'XD' - STA 2175+54'XD'



TYPICAL FINISHED SECTION

USH 53/BUS 29 RAMPS

STA 1228+30'XA' - STA 1233+85'XA'
STA 1220+27'XB' - STA 1226+45'XB'
STA 2167+42'XC' - STA 2174+00'XC'
STA 2175+54'XD' - STA 2181+49'XD'

NOTES

X= POINT REFERENCED TO ON PROFILE
Y= POINT REFERENCED TO ON CROSS SECTIONS

* CROSS SLOPE VARIES DUE TO SUPERELEVATION, SE MAX = 8% FOR BUS 29/CTH X RAMPS

** SEE CROSS SECTIONS FOR SLOPES. SLOPES VARY TO MATCH EXISTING GROUND AT SUBGRADE SHOULDER POINT IF SLOPE IS LESS THAN 2:1. SIDE SLOPE IS 2:1 MAX.

*** CROSS SLOPE VARIES 10% MAX. WIDTH VARIES BEHIND CURB & GUTTER, 1' MIN

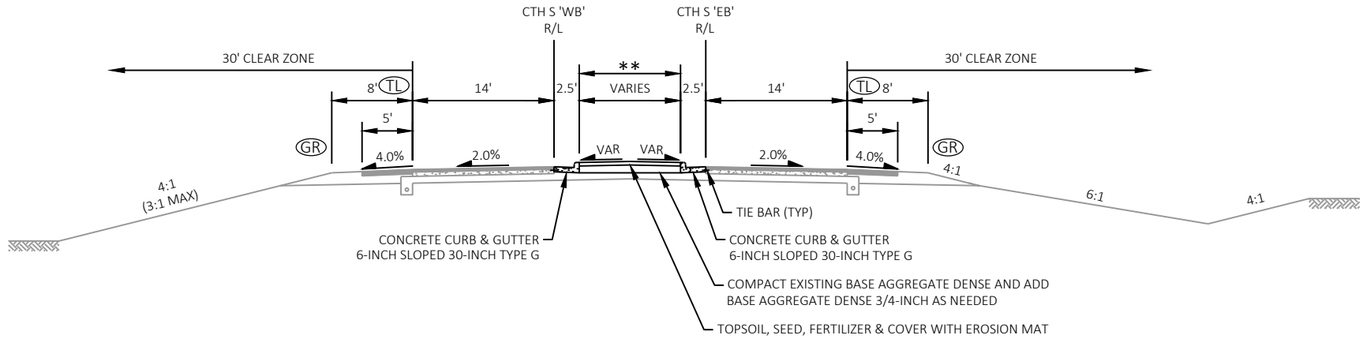
(GR) SEE SECTION 5 PLAN SHEETS FOR PROPOSED GUARDRAIL LOCATIONS

DOWEL BARS AND TIE BARS MAY BE PRESENT IN THE EXISTING CONCRETE PAVEMENT

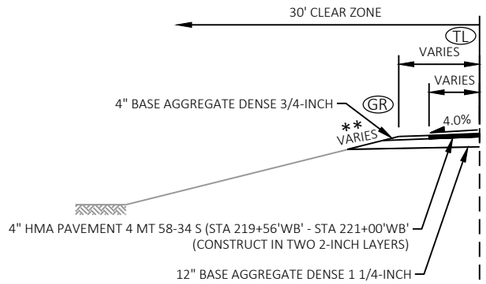
(SS) TREAT ALL NEWLY CONSTRUCTED SAW CUTS ASSOCIATED WITH CONCRETE PAVEMENT WITH CONCRETE SILANE SEALER FOR PCC SAW CUTS .

SEE THE EROSION CONTROL SHEETS FOR TOPSOIL AND FINISHING INFORMATION.

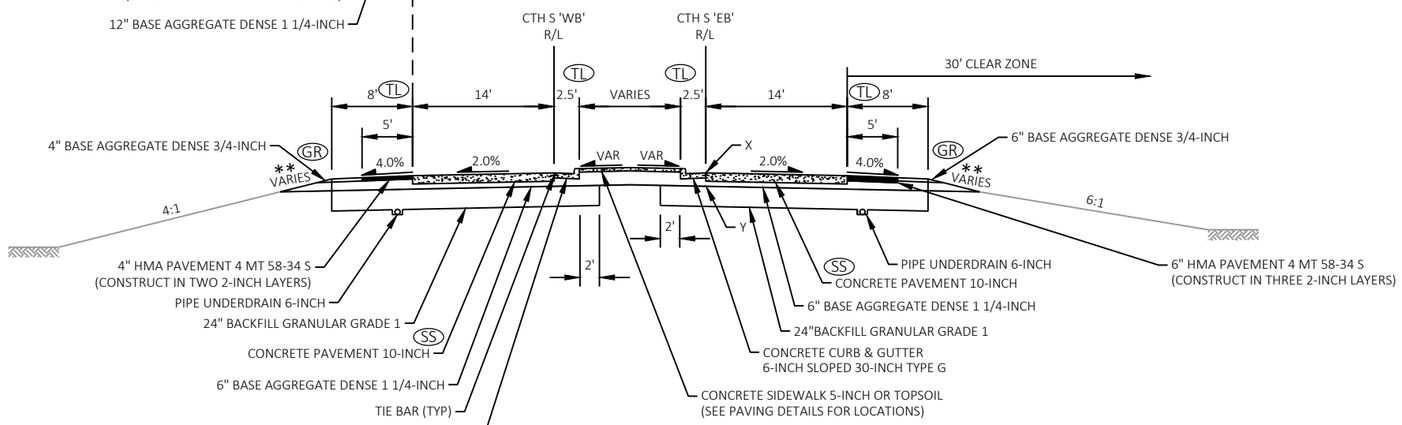
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TYPICAL SECTIONS	SHEET 11	E



TYPICAL FINISHED SECTION
CTH S
STA 204+07'EB' - STA 206+69'EB'
STA 204+06'WB' - STA 206+68'WB'



SHOULDER BEYOND PAVEMENT REPLACEMENT
STA 219+56'WB' - STA 222+37'WB'



TYPICAL FINISHED SECTION
CTH S
STA 209+89'EB' - STA 220+93'EB'
STA 210+23'WB' - STA 219+56'WB'

NOTES

X= POINT REFERENCED TO ON PROFILE
Y= POINT REFERENCED TO ON CROSS SECTIONS

* CROSS SLOPE VARIES DUE TO SUPERELEVATION

** SEE CROSS SECTIONS FOR SLOPES. SLOPES VARY TO MATCH EXISTING GROUND AT SUBGRADE SHOULDER POINT IF SLOPE IS LESS THAN 2:1. SIDE SLOPE IS 2:1 MAX

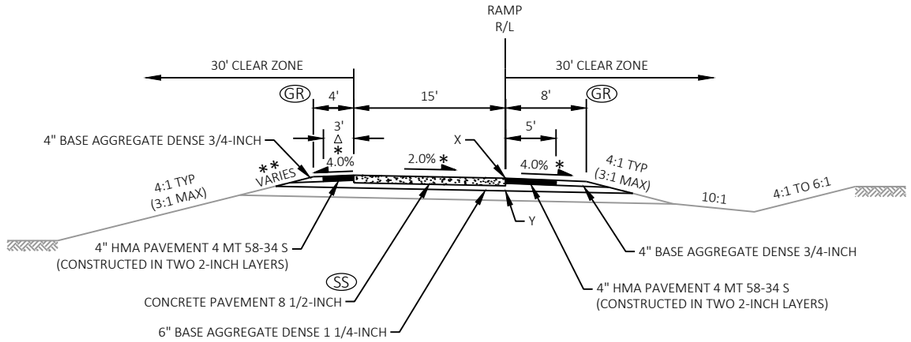
(GR) SEE SECTION 5 PLAN SHEETS FOR PROPOSED GUARDRAIL LOCATIONS

(TL) SEE SECTION 5 PLAN SHEETS FOR PROPOSED TURN LANE LOCATIONS, TURN LANES ARE CONSTRUCTED WITH 10" CONCRETE PAVEMENT

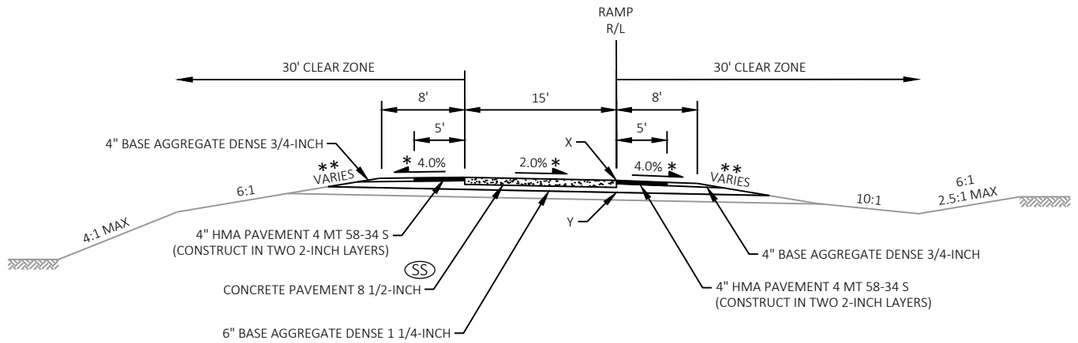
SEE TRAFFIC CONTROL SHEETS FOR SHOULDER PAVING ALONG CTH S OUTSIDE OF PAVEMENT REPLACEMENT LIMITS TO CARRY TEMPORARY TRAFFIC

(SS) TREAT ALL NEWLY CONSTRUCTED SAW CUTS ASSOCIATED WITH CONCRETE PAVEMENT WITH CONCRETE SILANE SEALER FOR PCC SAW CUTS .

SEE THE EROSION CONTROL SHEETS FOR TOPSOIL AND FINISHING INFORMATION.



TYPICAL FINISHED SECTION
USH 53/CTH S RAMPS
NB RAMPS SHOWN, MIRROR FOR SB RAMPS
STA 1356+12'SA' - STA 1375+54'SA'
STA 1373+91'SB' - STA 1402+03'SB'
STA 2325+79'SC' - STA 2344+64'SC'
STA 2298+71'SD' - STA 2325+53'SD'



TYPICAL FINISHED SECTION
CTH B RAMPS
NB RAMPS SHOWN, MIRROR FOR SB RAMPS
STA 1494+03'BA' - STA 1509+94'BA'
STA 1511+25'BB' - STA 1530+16'BB'
STA 2459+52'BC' - STA 2475+47'BC'
STA 2436+63'BD' - STA 2457+18'BD'

NOTES

X= POINT REFERENCED TO ON PROFILE
Y= POINT REFERENCED TO ON CROSS SECTIONS

* CROSS SLOPE VARIES DUE TO SUPERELEVATION

** SEE CROSS SECTIONS FOR SLOPES. SLOPES VARY TO MATCH EXISTING GROUND AT SUBGRADE SHOULDER POINT IF SLOPE IS LESS THAN 2:1. SIDE SLOPE IS 2:1 MAX

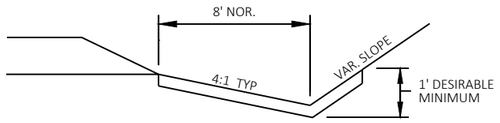
(GR) SEE SECTION 5 PLAN SHEETS FOR PROPOSED GUARDRAIL LOCATIONS

(SS) TREAT ALL NEWLY CONSTRUCTED SAW CUTS ASSOCIATED WITH CONCRETE PAVEMENT WITH CONCRETE SILANE SEALER FOR PCC SAW CUTS .

Δ PAVEMENT SAFETY EDGE REQUIRED FOR PAVED SHOULDERS 3' OR LESS, SEE SDD "SAFETY EDGE".

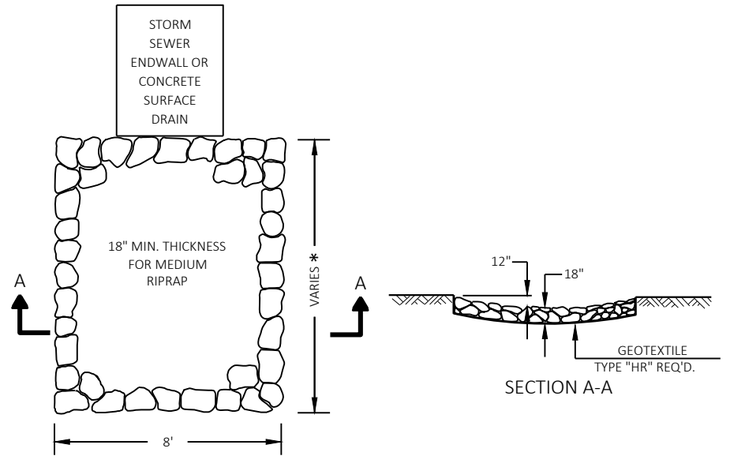
SEE THE EROSION CONTROL SHEETS FOR TOPSOIL AND FINISHING INFORMATION.

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TYPICAL SECTIONS	SHEET 13	E



EROSION MAT DETAIL FOR DITCHES

SPOT AREAS OF DITCH GRADING



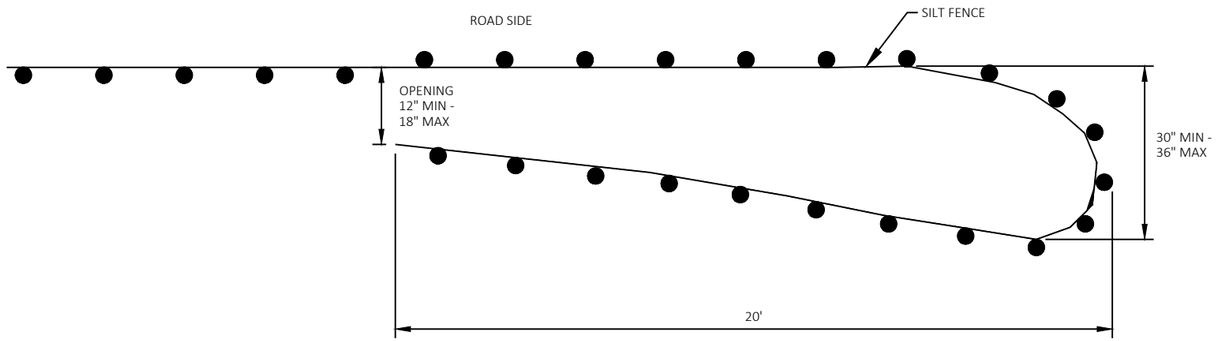
SECTION A-A

RIPRAP MEDIUM TREATMENT DETAIL

STA 2135+00, LT	STA 1220+52, RT
STA 2158+05, LT	STA 1230+90, LT
STA 1210+19, LT	STA 2178+95, RT
STA 1210+25, RT	STA 1374+24'SA', RT
STA 2158+13, RT	STA 1374+94, LT
STA 2168+31, LT	STA 2322+92, RT
STA 2168+33, RT	STA 1377+53, RT
STA 1220+51, LT	

NOTE

* SEE EROSION CONTROL PLANS FOR LENGTH OF RIPRAP



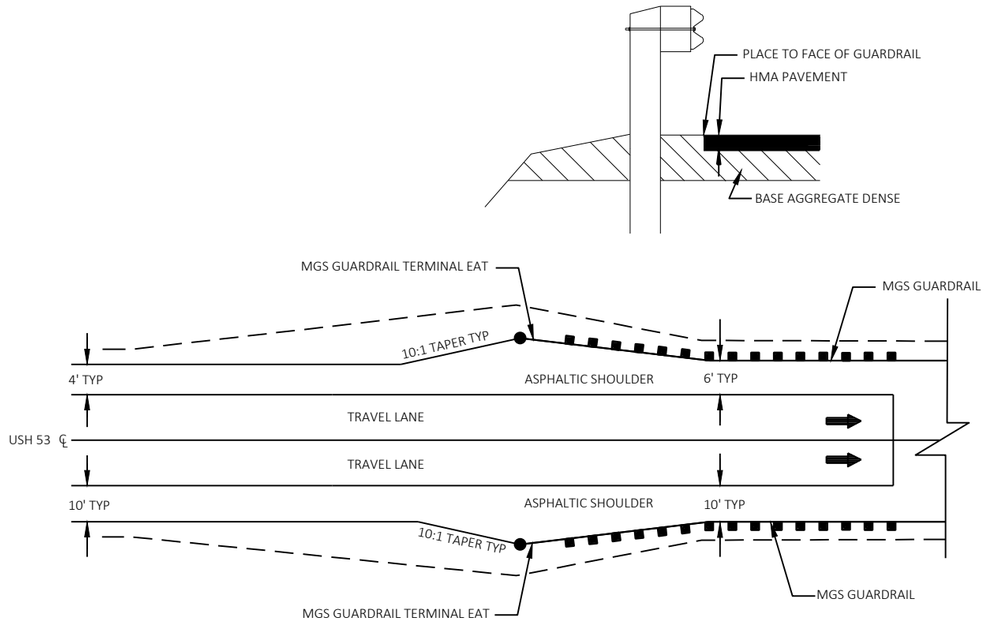
PLAN VIEW

TEMPORARY SMALL ANIMAL TURN-AROUND

NOTES

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

SEE EROSION CONTROL PLANS FOR LOCATIONS

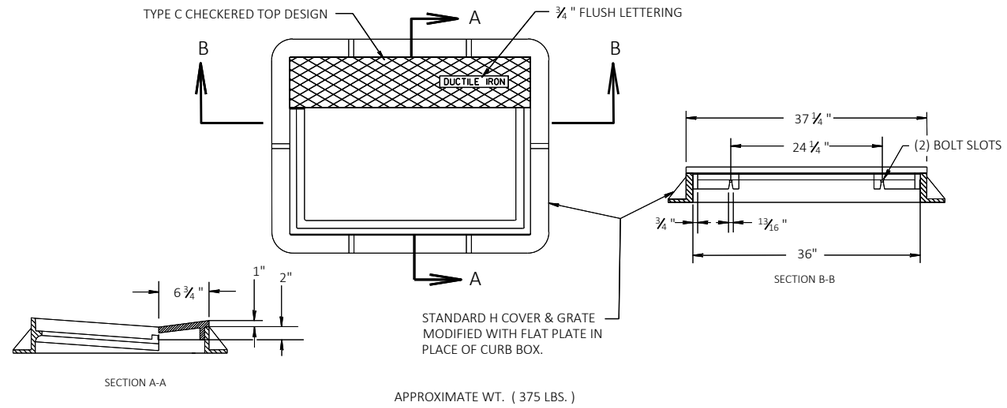


NOTES

SEE SECTION 5 PLAN SHEETS AND SDD "MIDWEST GUARDRAIL SYSTEM (MGS) EAT" FOR ADDITIONAL INFORMATION.

PAVED SHOULDER AT GUARDRAIL NOT REQUIRED FOR TEMPORARY GUARDRAIL LOCATIONS.

PAVED SHOULDER AT GUARDRAIL DETAIL

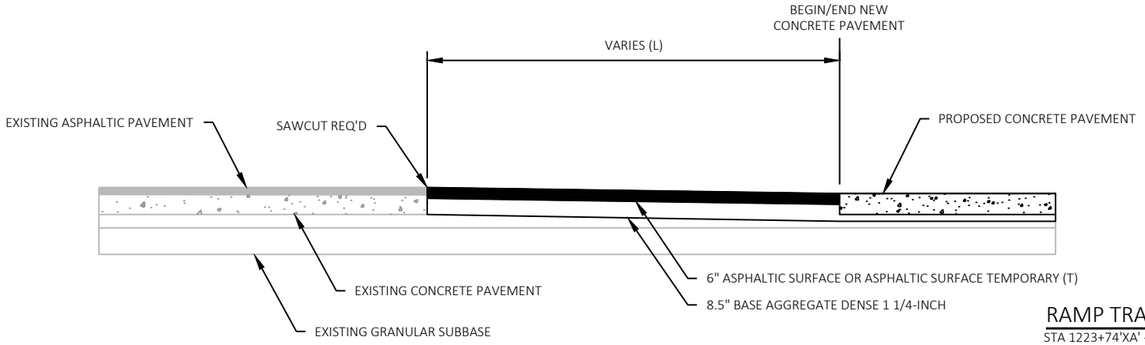


APPROXIMATE WT. (375 LBS.)

INLET COVER TYPE H-D

(WITH MOUNTABLE CURB PLATE)

STA 2172+99'XD', LT



PROFILE VIEW

NOTES

MIRROR THE RAMP TRANSITION TYPICAL SECTION FOR USH 53 SB RAMPS

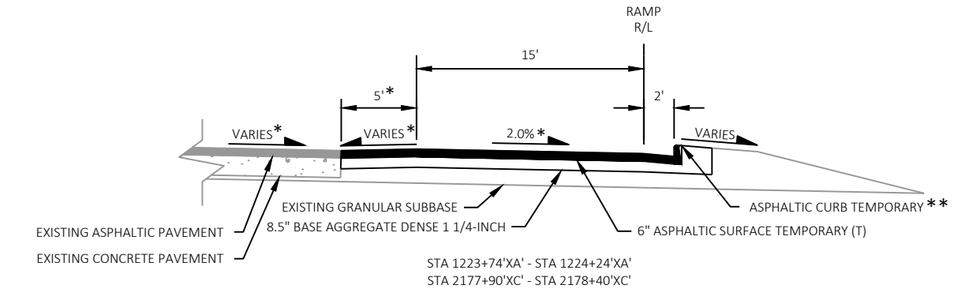
* CROSS SLOPE , LANE WIDTH AND SHOULDER WIDTH VARIES AT THE MATCH POINT, ADJUST AS REQUIRED TO MATCH EXISTING

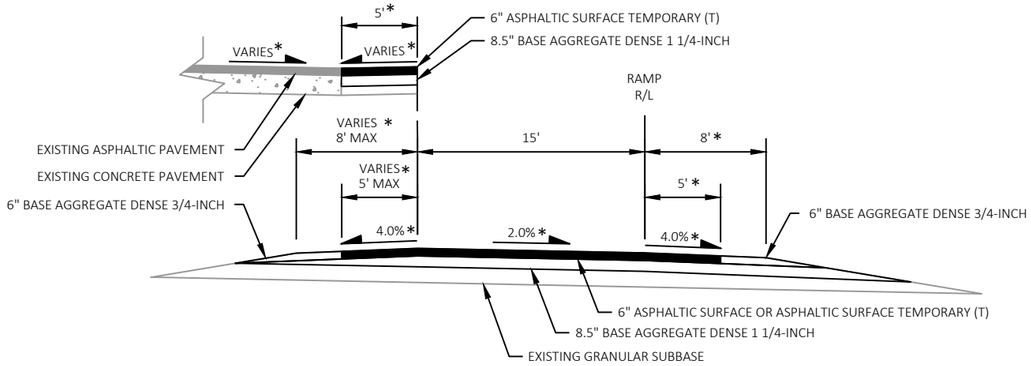
** PLACE ASPHALTIC CURB TEMPORARY WHERE RAMP TRANSITION TIES INTO EXISTING CONCRETE CURB AND GUTTER

(T) PLACE ASPHALTIC SURFACE TEMPORARY FOR THE RAMP TRANSITIONS ADJACENT TO EXISTING MAINLINE PAVEMENT

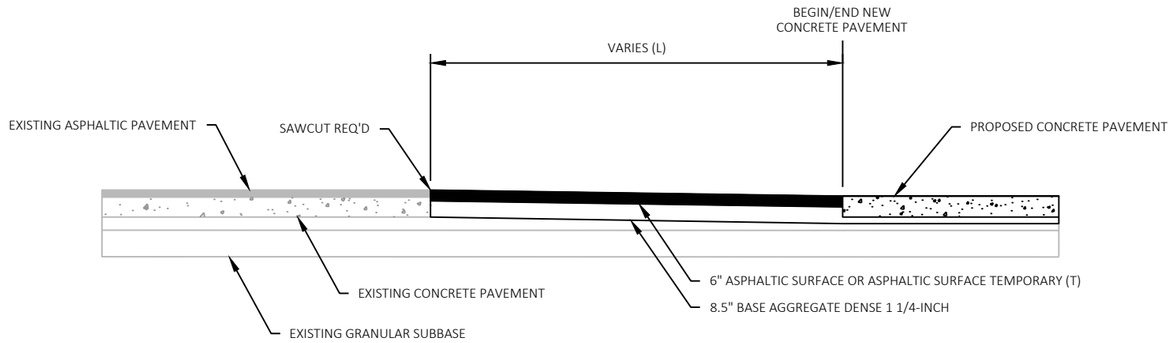
RAMP TRANSITION DETAIL

STA 1223+74'XA' - STA 1224+24'XA' (T), L=50'
STA 1362+32'SA' - STA 1362+82'SA' (T), L = 50'
STA 1392+80'SB' - STA 1393+30'SB' (T), L = 50'
STA 1500+50'BA' - STA 1501+00'BA' (T), L = 50'
STA 1509+08'BA' - STA 1509+94'BA', L = 86'
STA 1511+25'BB' - STA 1512+03'BB', L = 78'
STA 1520+08'BB' - STA 1520+58'BB' (T), L = 50'
STA 2177+90'XC' - STA 2178+40'XC' (T), L = 50'
STA 2307+21'SD' - STA 2307+71'SD' (T), L = 50'
STA 2338+60'SC' - STA 2339+10'SC' (T), L = 50'
STA 2459+52'BD' - STA 2460+41'BD', L = 89'
STA 2456+59'BC' - STA 2457+18'BC', L = 59'
STA 2471+00'BC' - STA 2471+50'BC' (T), L = 50'

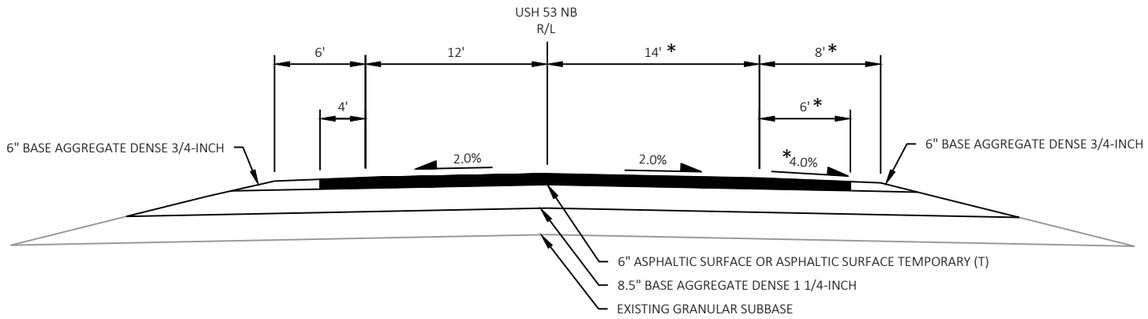




TYPICAL SECTIONS



PROFILE VIEW



TYPICAL SECTION

MAINLINE TRANSITION DETAIL

STA 1298+00 - STA 1299+50, L = 150' (T)
STA 1538+00 - STA 1538+50, L = 50'
STA 2244+50 - STA 2245+70, L = 120' (T)
STA 2485+85 - STA 2486+35, L = 50'

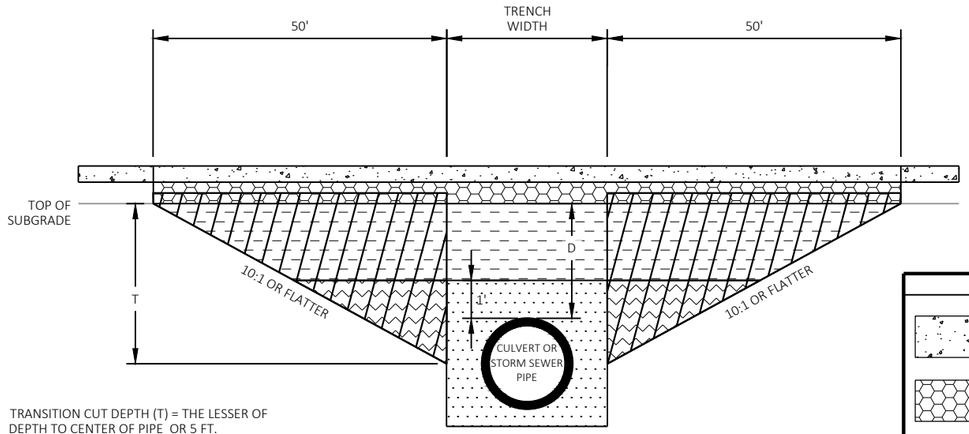
NOTES

MIRROR THE MAINLINE TRANSITION TYPICAL SECTION FOR USH 53 SB

* CROSS SLOPE , LANE WIDTH AND SHOULDER WIDTH VARIES AT THE MATCH POINT ADJUST AS REQUIRED TO MATCH EXISTING

SEE TYPICAL SECTIONS FOR SIDE SLOPES

(T) PLACE ASPHALTIC SURFACE TEMPORARY FOR THE MID PROJECT TRANSITIONS

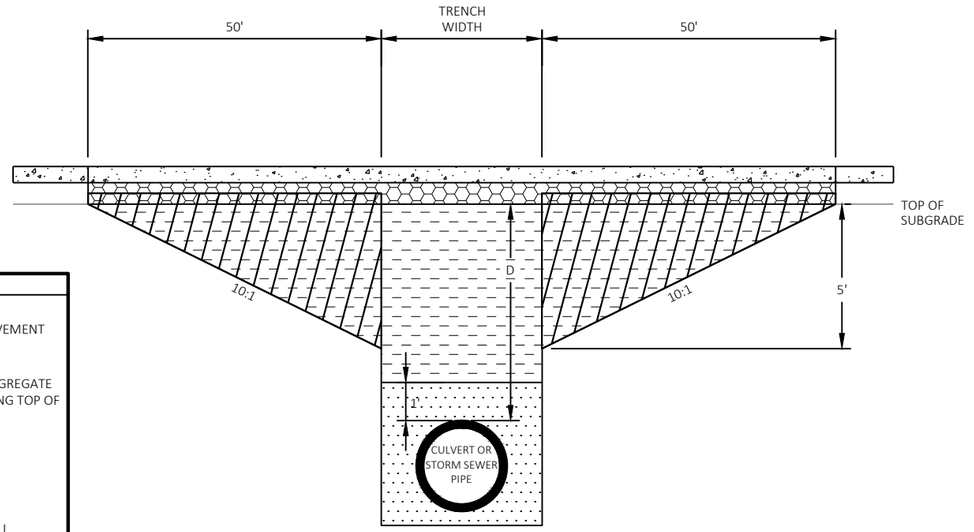


TRANSITION CUT DEPTH (T) = THE LESSER OF
DEPTH TO CENTER OF PIPE OR 5 FT.
DO NOT EXTEND TRANSITION CUT BELOW HORIZONTAL CENTER OF PIPE.

DEPTH D < 6 FT

LEGEND

- PROPOSED 10 1/2" CONCRETE PAVEMENT
- PROPOSED BASE (6" MIN BASE AGGREGATE DENSE 1-1/4-INCH, MATCH EXISTING TOP OF SUBGRADE)
- TRENCH BACKFILL
- TRENCH OR FOUNDATION BACKFILL
- FOUNDATION BACKFILL
- TRANSITION CUT



DEPTH D ≥ 6 FT

NOTES

TRANSITION CUT IS PAID AS EXCAVATION COMMON

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

BACKFILL THE TRANSITION CUT AREAS WITH FOUNDATION AND TRENCH BACKFILL AS SPECIFIED IN STANDARD SPEC 520 AND 608

* DEPTH IS MEASURED AT THE DEEPEST PORTION OF THE PIPE WITHIN THE SHOULDER POINTS

CULVERT AND STORM SEWER PIPE TRANSITION DETAIL

ROUTE	STA (CL)	DEPTH D (FT)*	PIPE DIA (IN)
USH 53	1377+85	6.97'	24" STORM SEWER

2

LEGEND

- SHRUB
- LIVING SNOW FENCE PLANTING AREA
- DELINEATED WETLAND BOUNDARY

NOTES

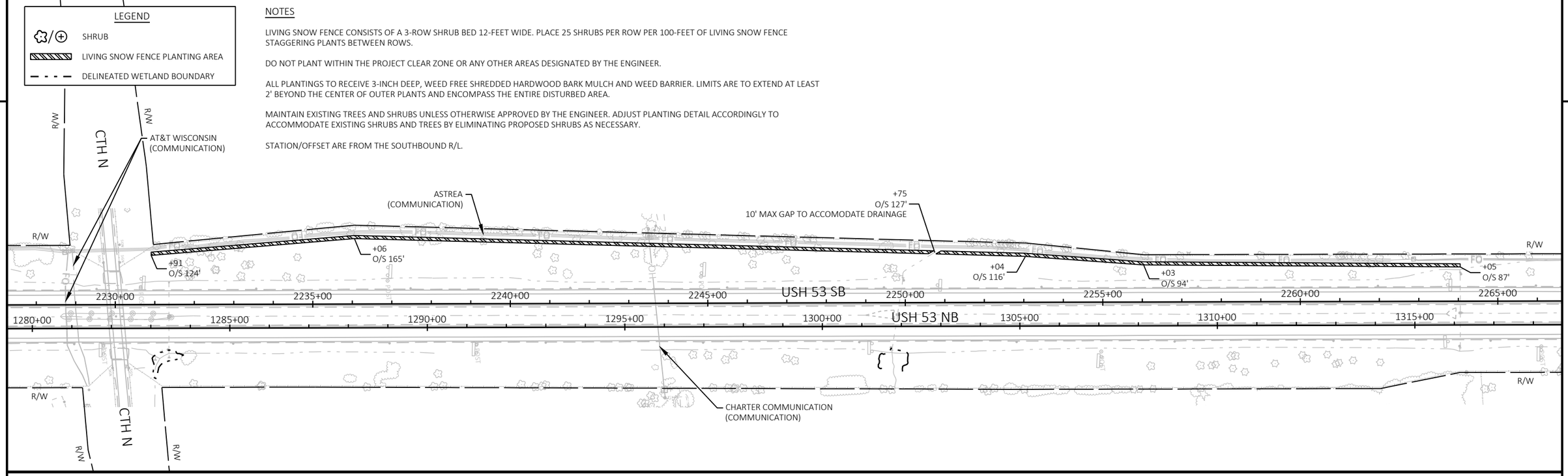
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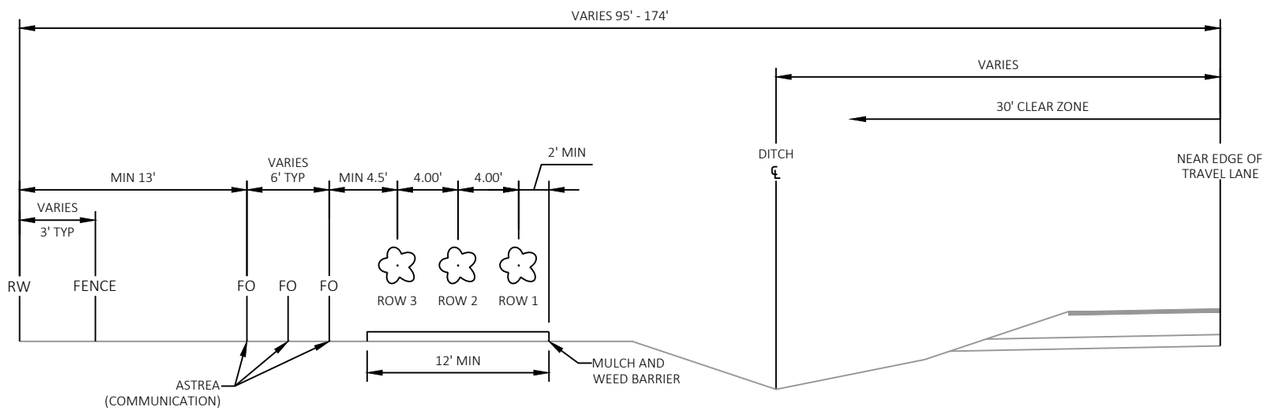
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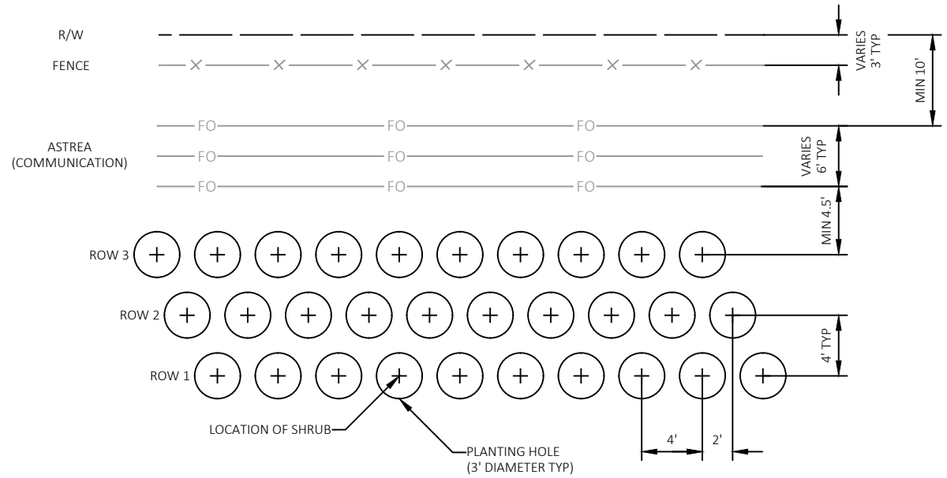
STATION/OFFSET ARE FROM THE SOUTHBOUND R/L.





SNOWDRIFT CONTROL SECTION, TYPICAL

STA 2230+91 - STA 2264+05



SNOWDRIFT CONTROL PLANTING DETAIL, PLAN

STA 2230+91 - STA 2264+05

ROW NO.	COMMON NAME	SCIENTIFIC NAME	TYPE	AVERAGE MATURE HEIGHT	SIZE WHEN PLANTED		ROOT ZONE MODE	MINIMUM BALL/POT SIZE		ROOT SPREAD	MINIMUM PLANT HOLE		BRACE OR GUY	FERTILIZER UNITS REQUIRED	RODENT PROTECTION	MULCH RING DIAMETER	PLANT BED DETAIL
					HEIGHT	SPREAD		DIAMETER	DEPTH		DIAMETER	DEPTH					
1	DOGWOOD, REDOSIER	CORNUS SERICEA	2S	8'	2'	N/A	CG	11"	8"	11"	36"	8"	NO	2	NO	48"	YES
2	FILBERT, AMERICAN	CORYLUS AMERICANA	3S	8'	2'	N/A	CG	11"	8"	11"	36"	8"	NO	2	NO	48"	YES
3	NINEBARK, COMMON	PHYSOCARPUS OPULIFOLIUS	3S	10'	2'	N/A	CG	11"	8"	11"	36"	8"	NO	2	NO	48"	YES

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CONSTRUCTION DETAILS - LIVING SNOW FENCE	SHEET 18	E

LEGEND

SHRUB

LIVING SNOW FENCE PLANTING AREA

DELINEATED WETLAND BOUNDARY

NOTES

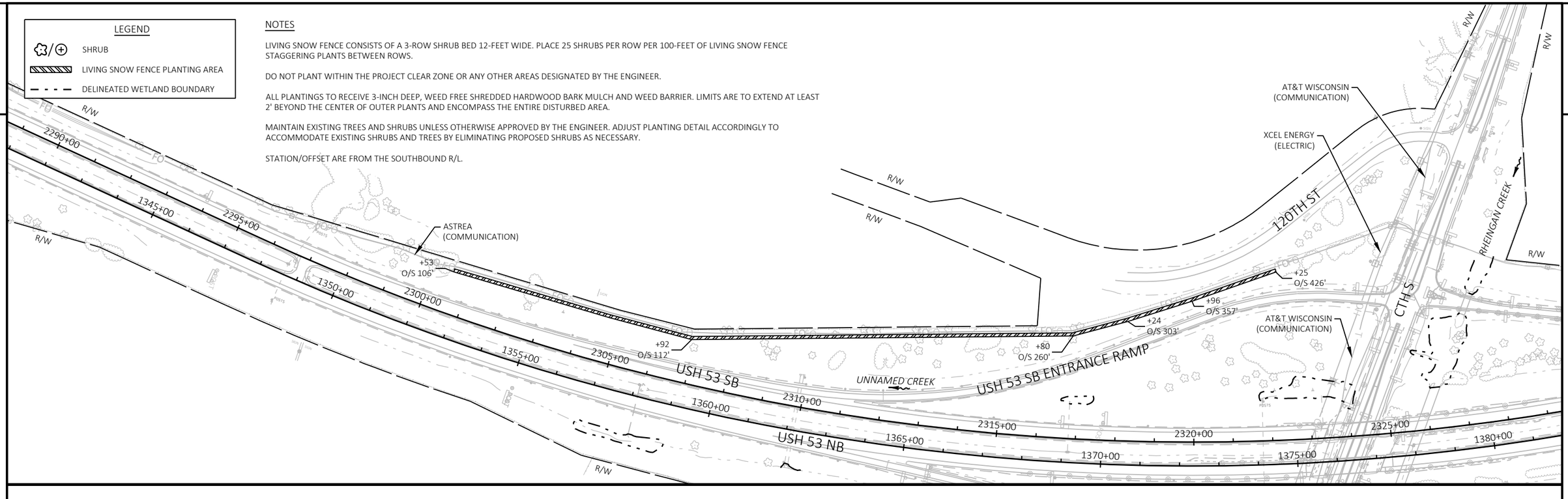
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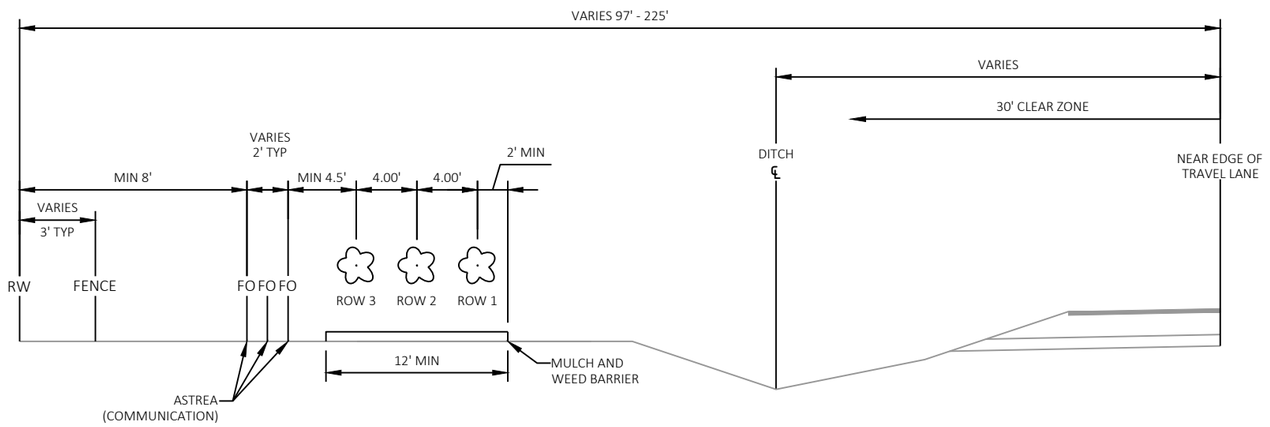
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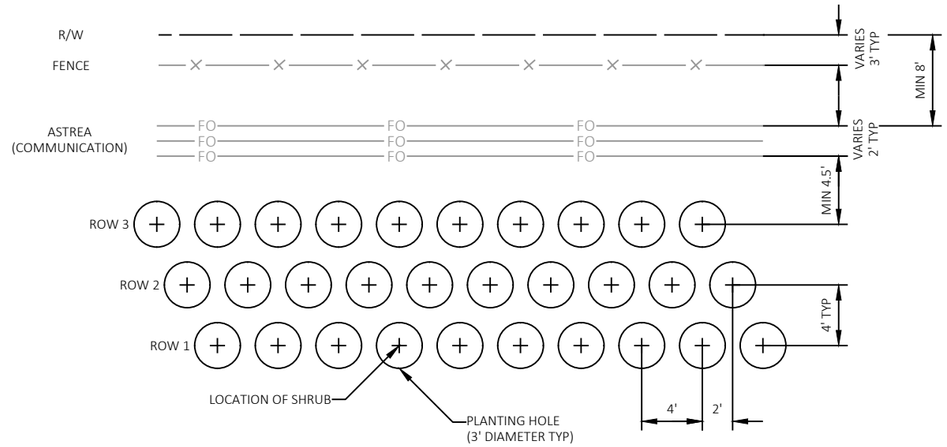
STATION/OFFSET ARE FROM THE SOUTHBOUND R/L.





SNOWDRIFT CONTROL SECTION, TYPICAL

STA 2300+53 - STA 2322+25



SNOWDRIFT CONTROL PLANTING DETAIL, PLAN

STA 2300+53 - STA 2322+25

ROW NO.	COMMON NAME	SCIENTIFIC NAME	TYPE	AVERAGE MATURE HEIGHT	SIZE WHEN PLANTED		ROOT ZONE MODE	MINIMUM BALL/POT SIZE		ROOT SPREAD	MINIMUM PLANT HOLE		BRACE OR GUY	FERTILIZER UNITS REQUIRED	RODENT PROTECTION	MULCH RING DIAMETER	PLANT BED DETAIL
					HEIGHT	SPREAD		DIAMETER	DEPTH		DIAMETER	DEPTH					
1	DOGWOOD, REDOSIER	CORNUS SERICEA	2S	8'	2'	N/A	CG	11"	8"	11"	36"	8"	NO	2	NO	48"	YES
2	FILBERT, AMERICAN	CORYLUS AMERICANA	3S	8'	2'	N/A	CG	11"	8"	11"	36"	8"	NO	2	NO	48"	YES
3	NINEBARK, COMMON	PHYSOCARPUS OPULIFOLIUS	3S	10'	2'	N/A	CG	11"	8"	11"	36"	8"	NO	2	NO	48"	YES

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CONSTRUCTION DETAILS - LIVING SNOW FENCE	SHEET 19	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\021002-CD.DWG
LAYOUT NAME - 02

PLOT DATE : 7/24/2023 8:30 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

LEGEND

- SHRUB
- LIVING SNOW FENCE PLANTING AREA
- DELINEATED WETLAND BOUNDARY

NOTES

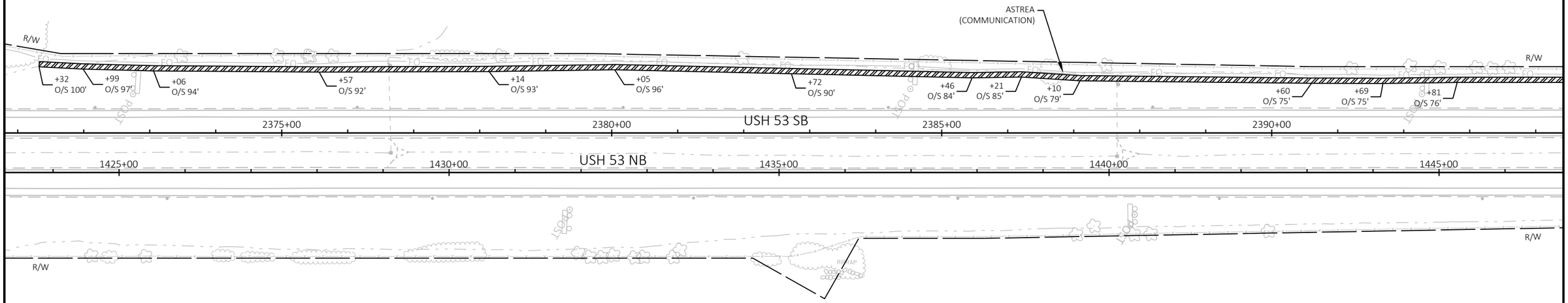
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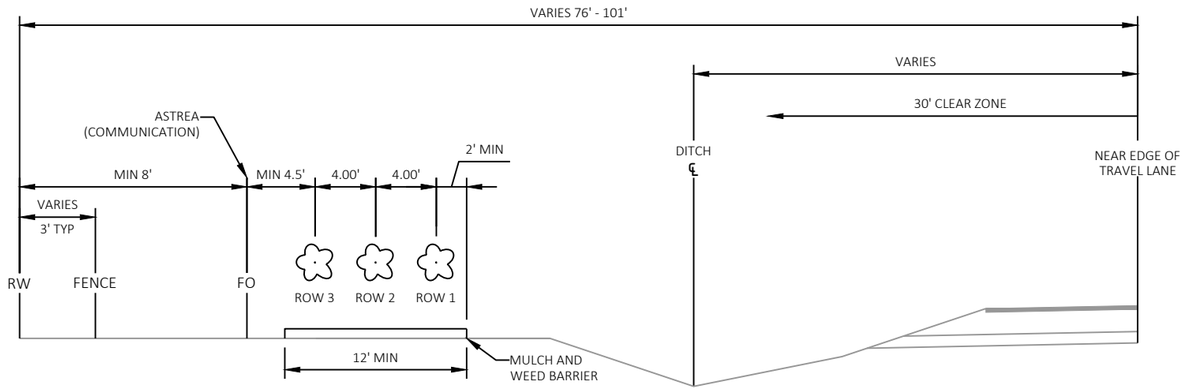
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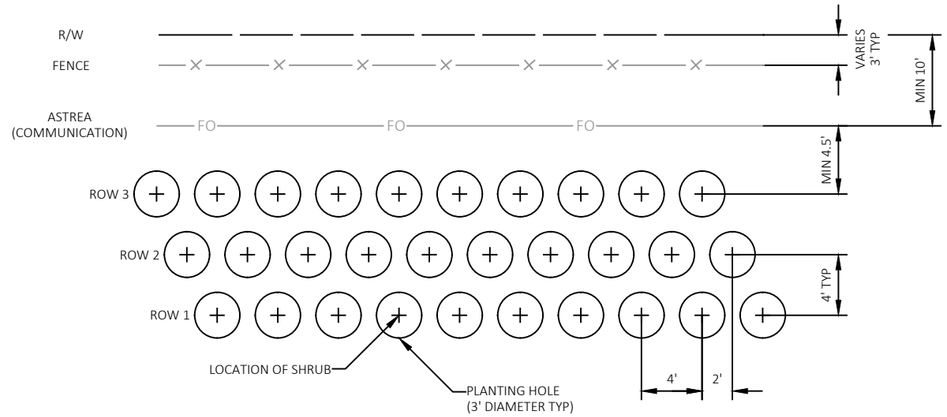
STATION/OFFSET ARE FROM THE SOUTHBOUND R/L.





SNOWDRIFT CONTROL SECTION, TYPICAL

STA 2371+32 - STA 2413+17



SNOWDRIFT CONTROL PLANTING DETAIL, PLAN

STA 2371+32 - STA 2413+17

ROW NO.	COMMON NAME	SCIENTIFIC NAME	TYPE	AVERAGE MATURE HEIGHT	SIZE WHEN PLANTED		ROOT ZONE MODE	MINIMUM BALL/POT SIZE		ROOT SPREAD	MINIMUM PLANT HOLE		BRACE OR GUY	FERTILIZER UNITS REQUIRED	RODENT PROTECTION	MULCH RING DIAMETER	PLANT BED DETAIL
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2	FILBERT, AMERICAN	CORYLUS AMERICANA	3S	8'	2'	N/A	CG	11"	8"	11"	36"	8"	NO	2	NO	48"	YES
3	NINEBARK, COMMON	PHYSOCARPUS OPULIFOLIUS	3S	10'	2'	N/A	CG	11"	8"	11"	36"	8"	NO	2	NO	48"	YES

LEGEND

- SHRUB
- LIVING SNOW FENCE PLANTING AREA
- DELINEATED WETLAND BOUNDARY

NOTES

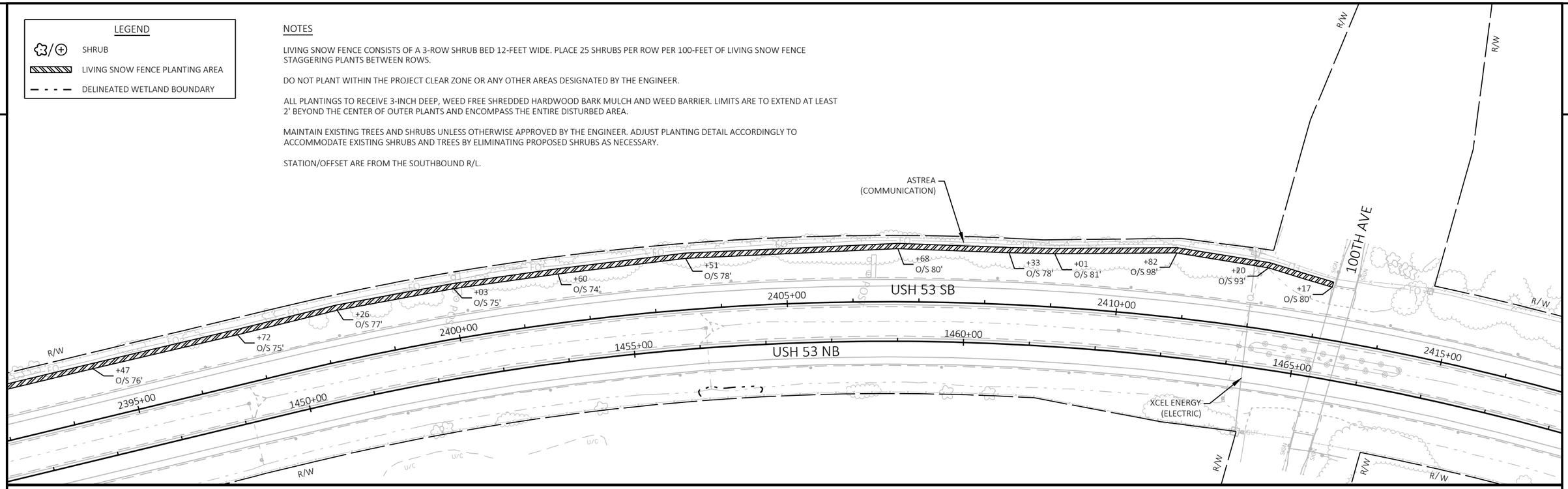
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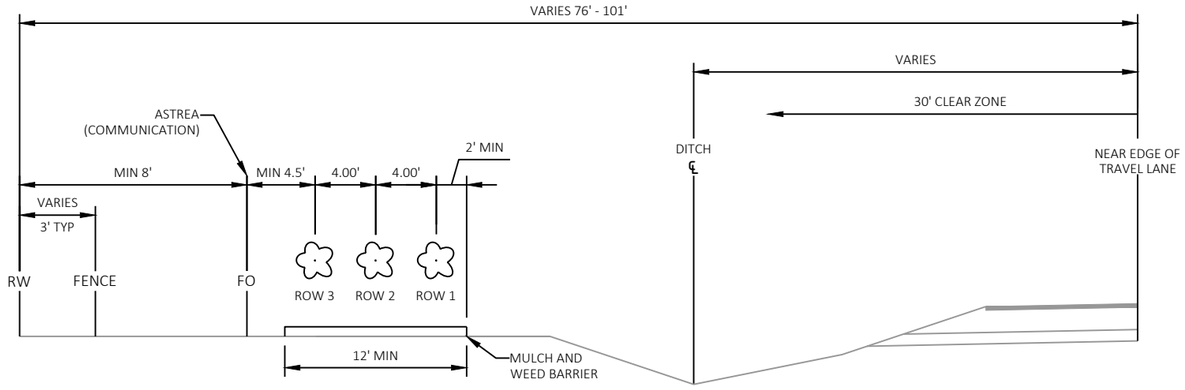
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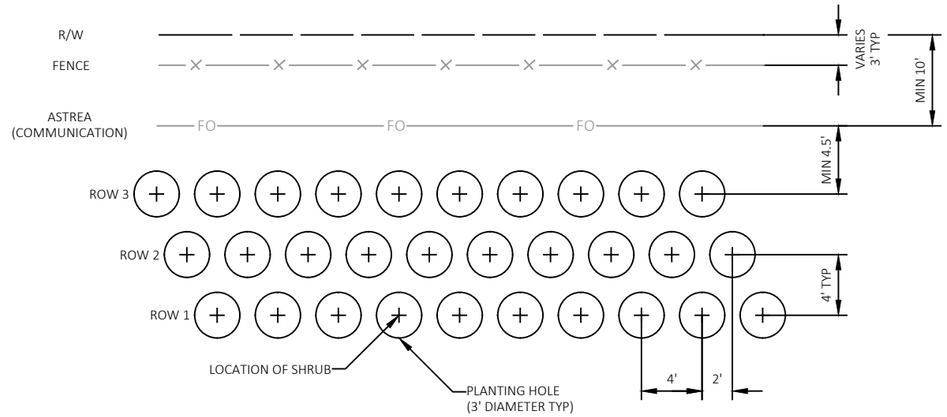
STATION/OFFSET ARE FROM THE SOUTHBOUND R/L.





SNOWDRIFT CONTROL SECTION, TYPICAL

STA 2371+32 - STA 2413+17



SNOWDRIFT CONTROL PLANTING DETAIL, PLAN

STA 2371+32 - STA 2413+17

ROW NO.	COMMON NAME	SCIENTIFIC NAME	TYPE	AVERAGE MATURE HEIGHT	SIZE WHEN PLANTED		ROOT ZONE MODE	MINIMUM BALL/POT SIZE		ROOT SPREAD	MINIMUM PLANT HOLE		BRACE OR GUY	FERTILIZER UNITS REQUIRED	RODENT PROTECTION	MULCH RING DIAMETER	PLANT BED DETAIL
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3	NINEBARK, COMMON	PHYSOCARPUS OPULIFOLIUS	3S	10'	2'	N/A	CG	11"	8"	11"	36"	8"	NO	2	NO	48"	YES

LEGEND

SHRUB

LIVING SNOW FENCE PLANTING AREA

DELINEATED WETLAND BOUNDARY

NOTES

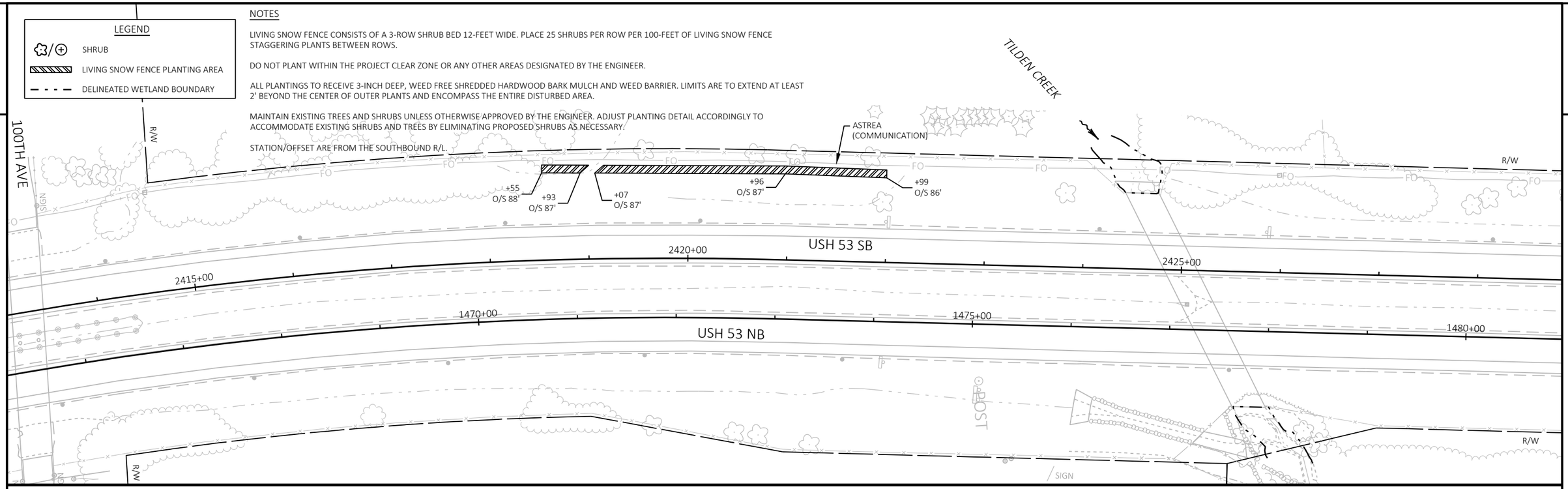
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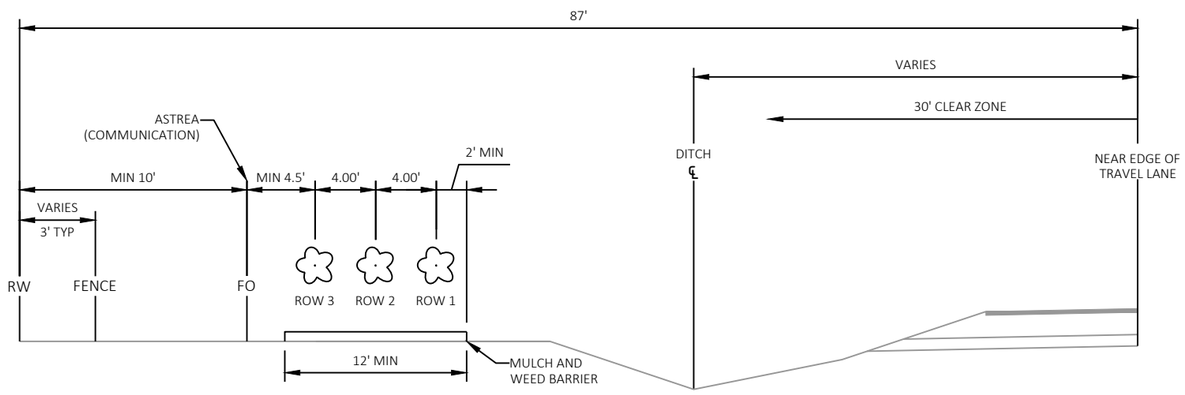
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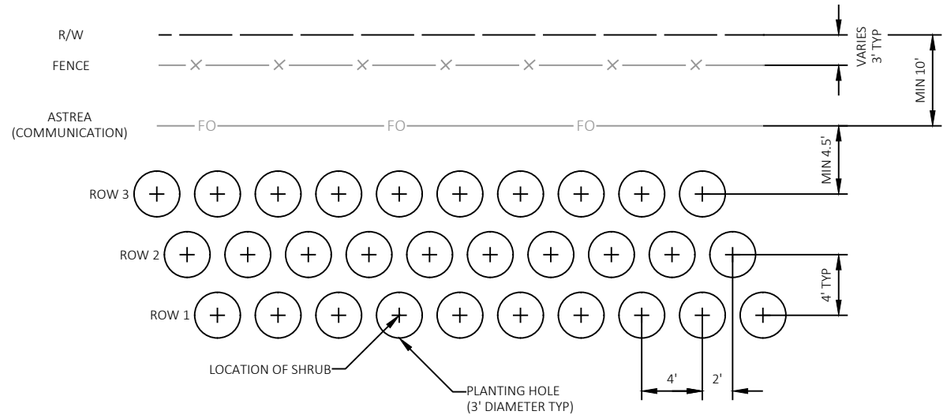
STATION/OFFSET ARE FROM THE SOUTHBOUND R/L.





SNOWDRIFT CONTROL SECTION, TYPICAL

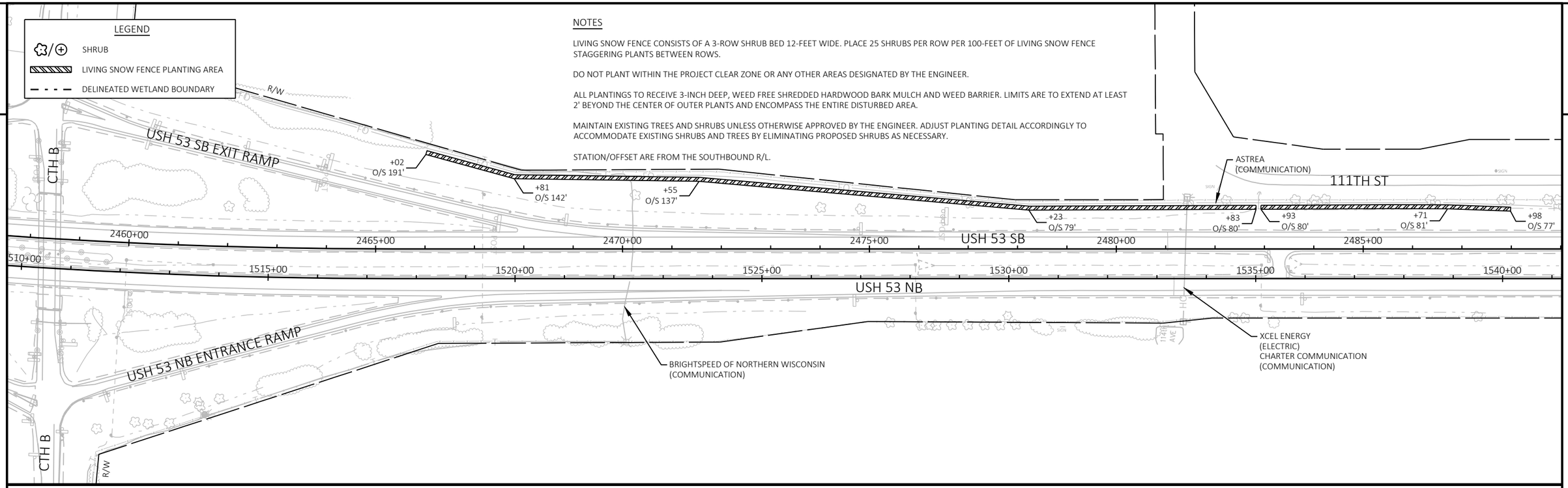
STA 2418+54 - STA 2421+99



SNOWDRIFT CONTROL PLANTING DETAIL, PLAN

STA 2418+54 - STA 2421+99

ROW NO.	COMMON NAME	SCIENTIFIC NAME	TYPE	AVERAGE MATURE HEIGHT	SIZE WHEN PLANTED		ROOT ZONE MODE	MINIMUM BALL/POT SIZE		ROOT SPREAD	MINIMUM PLANT HOLE		BRACE OR GUY	FERTILIZER UNITS REQUIRED	RODENT PROTECTION	MULCH RING DIAMETER	PLANT BED DETAIL
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3	NINEBARK, COMMON	PHYSOCARPUS OPULIFOLIUS	3S	10'	2'	N/A	CG	11"	8"	11"	36"	8"	NO	2	NO	48"	YES



SNOWDRIFT CONTROL SECTION, TYPICAL

STA 2466+01 - STA 2482+83
STA 2482+93 - STA 2487+98

SNOWDRIFT CONTROL PLANTING DETAIL, PLAN

STA 2466+01 - STA 2482+83
STA 2482+93 - STA 2487+98

ROW NO.	COMMON NAME	SCIENTIFIC NAME	TYPE	AVERAGE MATURE HEIGHT	SIZE WHEN PLANTED		ROOT ZONE MODE	MINIMUM BALL/POT SIZE		ROOT SPREAD	MINIMUM PLANT HOLE		BRACE OR GUY	FERTILIZER UNITS REQUIRED	RODENT PROTECTION	MULCH RING DIAMETER	PLANT BED DETAIL
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3	NINEBARK, COMMON	PHYSOCARPUS OPULIFOLIUS	3S	10'	2'	N/A	CG	11"	8"	11"	36"	8"	NO	2	NO	48"	YES

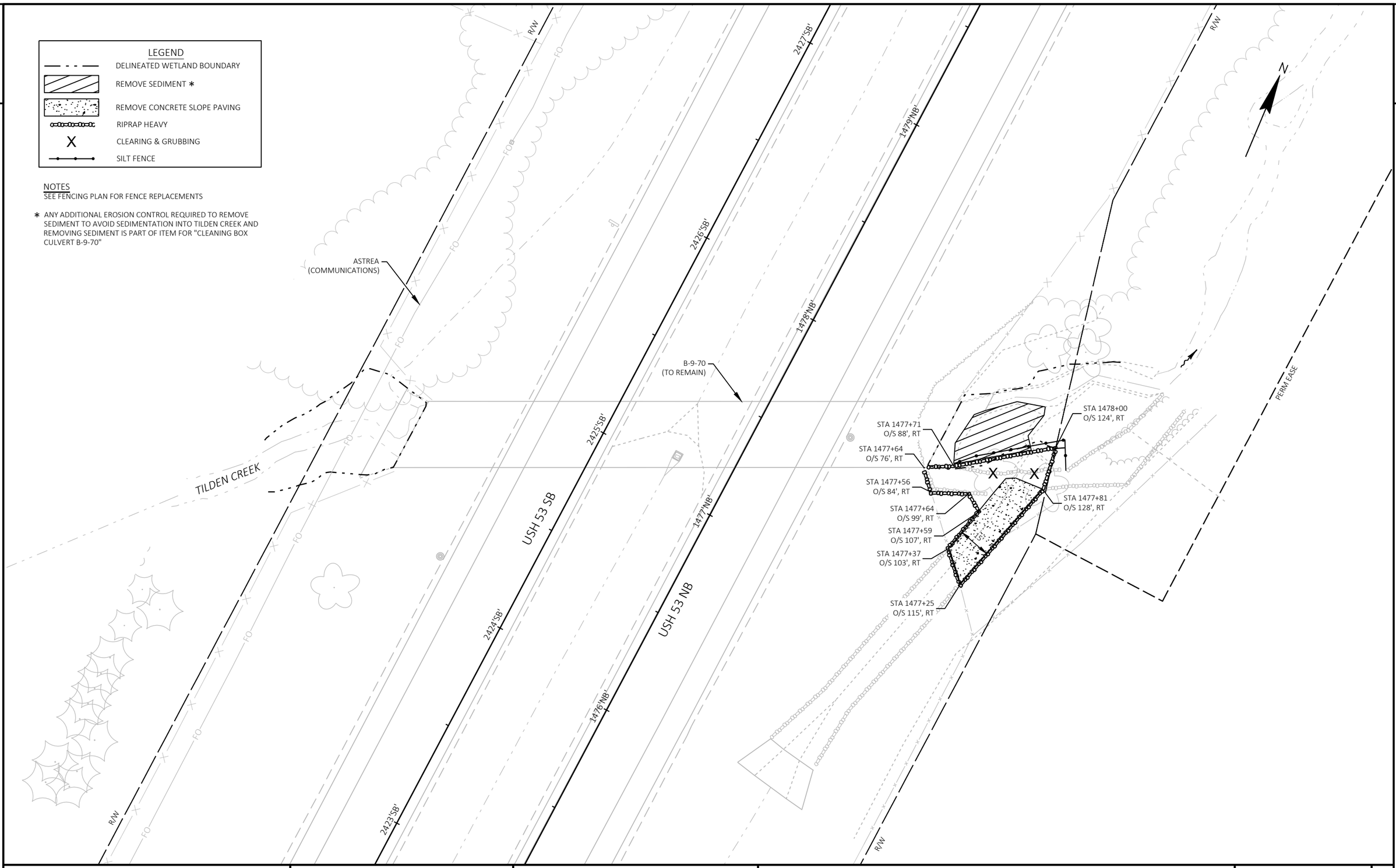
LEGEND

- DELINEATED WETLAND BOUNDARY
- REMOVE SEDIMENT *
- REMOVE CONCRETE SLOPE PAVING
- RIPRAP HEAVY
- X — CLEARING & GRUBBING
- SILT FENCE

NOTES

SEE FENCING PLAN FOR FENCE REPLACEMENTS

* ANY ADDITIONAL EROSION CONTROL REQUIRED TO REMOVE SEDIMENT TO AVOID SEDIMENTATION INTO TILDEN CREEK AND REMOVING SEDIMENT IS PART OF ITEM FOR "CLEANING BOX CULVERT B-9-70"



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CONSTRUCTION DETAILS - B-9-70 EROSION REPAIR	SHEET 24	E

2

LEGEND
- SLOPE INTERCEPT (APPROX LIMITS OF SCOUR REPAIR)
- X CLEARING AND GRUBBING
- SURFACE WATER FLOW

USH 53 SB

2201+00

2201+50

PI: 0+26.00

BP: 0+00.00

S2°51'29"E

+26 O/S 4', LT

Y = 128167.426
X = 162223.641

+20 O/S 4', LT

+20 O/S 4', RT

+24 O/S 4', RT

Y = 128193.394
X = 162222.345

REFERENCE LINE ALONG CENTER OF SCOUR REPAIR AREA

RIPRAP MEDIUM

0+50 S40°34'53"W 1+00 1+50

+51 O/S 4', LT

EP: 1+61.00

Y = 128064.898
X = 162135.821

+51 O/S 4', RT

ASTREA (COMMUNICATION)

FO

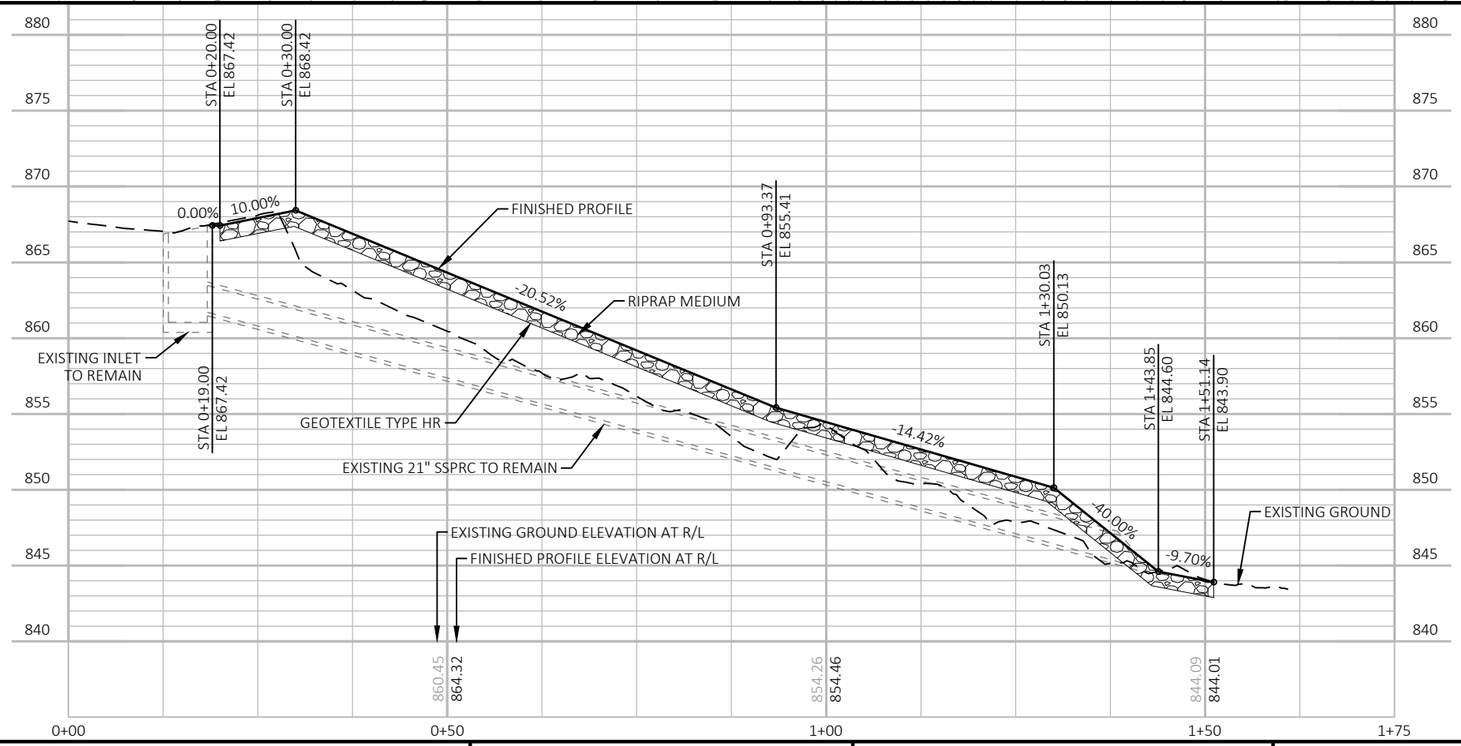
R/W

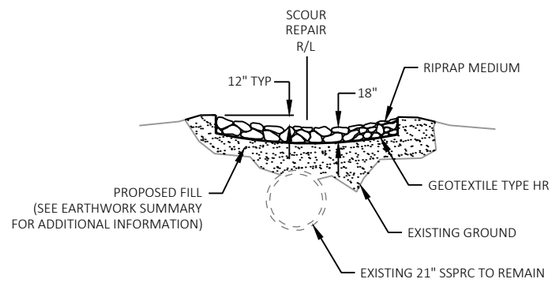
N

A

A

870 865 860 855 850 845 875





SECTION A-A

TYPICAL RIPRAP SECTION DETAIL

STA 2199+95 - STA 2200+99, LT

NOTES

AVOID PLACING RIPRAP MEDIUM DIRECTLY ONTO EXISTING CONCRETE PIPE. THE EDGES OF THE RIPRAP FLUME MAY NEED TO BE PLACED ABOVE FINISHED GRADE.

EXISTING 21" SSPRC LOCATION VARIES IN RELATION TO THE SCOUR REPAIR ALIGNMENT.

PROPOSED RIPRAP FLUME PROFILE PROVIDED FOR REFERENCE, ACTUAL TOP OF RIPRAP MAY VARY BASED ON TIED CONDITIONS.

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CONSTRUCTION DETAILS - SCOUR REPAIR	SHEET 25	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\021004-CD.DWG
LAYOUT NAME - 01
PLOT DATE : 6/28/2021 11:06 AM
PLOT BY : DREW NELSON
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

POLYMER OVERLAY (SEE STRUCTURE PLANS)

FULLY AUTOMATED RESIN BINDER HIGH FRICTION SURFACE TREATMENT

NOTE

PLACE THE HIGH FRICTION SURFACE ON PROPOSED CONCRETE PAVEMENT WITHIN THE LIMITS SHOWN.

N

CHIPPEWA RIVER

EB BUS 29 / CTH X

WB BUS 29 / CTH X

BRANCH CHIPPEWA RIVER

USH 53 SB/BUS 29 ENTRANCE

2170'XC'

2180'XD'

2175'XD'

USH 53 SB/BUS 29 EXIT

STA 2176'XC'+00

STA 2173'XD'+00

USH 53 SB

STAGE 10

STAGE 11

STAGE 10

B-9-48

2165'XD'

B-9-50

2170'XD'

2180'XC'

2185'XC'

B-9-52

2155

2160

2165

2170

2175

2180

2185

1210

1215

1220

1225

1230

1235

B-9-49

1220'XA'

B-9-51

1225'XA'

1230'XB'

1235'XB'

USH 53 NB

STA 1229'XB'+00

STA 1226'XA'+00

B-9-53

WCL RR

STAGE 5

STAGE 11

STAGE 5

STAGE 11

USH 53 NB/BUS 29 ENTRANCE

USH 53 NB/BUS 29 EXIT

1230'XA'

1225'XB'

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CONSTRUCTION DETAILS - SURFACE TREATMENT	SHEET 26	E

2

NOTE
CONSTRUCTION DETAIL SHEETS FOR GUARDRAIL ARE ONLY PROVIDED AT LOCATIONS REQUIRING TEMPORARY GUARDRAIL WORK IN STAGE 1. SEE SECTION 5 SHEETS AND INTERSECTION DETAILS FOR ADDITIONAL GUARDRAIL INFORMATION.

STAGE 1A
STA 2084+55 - STA 2085+05, RT
STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL TEMPORARY
CONNECT TO EXISTING GUARDRAIL

STAGE 1B
STA 2083+30 - STA 2083+80, LT
STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL TEMPORARY
CONNECT TO EXISTING GUARDRAIL

STAGE 10
STA 2083+30 - STA 2083+80, LT
STA 2084+55 - STA 2085+05, RT
REMOVING STEEL PLATE BEAM GUARD TEMPORARY (INCIDENTAL TO ITEM)

TEMPORARY GUARDRAIL SLOPE INTERCEPT
2082+92
WISDOT (COMMUNICATION)
WISDOT (ELECTRIC)
2083+30
2083+80
USH 53 SB
CAUTION
2080+00
2081+00
2082+00
2083+00
2084+00
2085+00
2086+00
2084+55
VILLAGE OF LAKE HALLIE (WATER)
2084+26
2085+05
TEMPORARY GUARDRAIL SLOPE INTERCEPT
AT&T WISCONSIN (COMMUNICATION)
XCEL ENERGY (ELECTRIC)
CHARTER COMMUNICATION (COMMUNICATION)
XCEL ENERGY (GAS)
1133+00
1134+00
1135+00
1136+00
1137+00
1138+00
USH 53 NB
40TH AVE

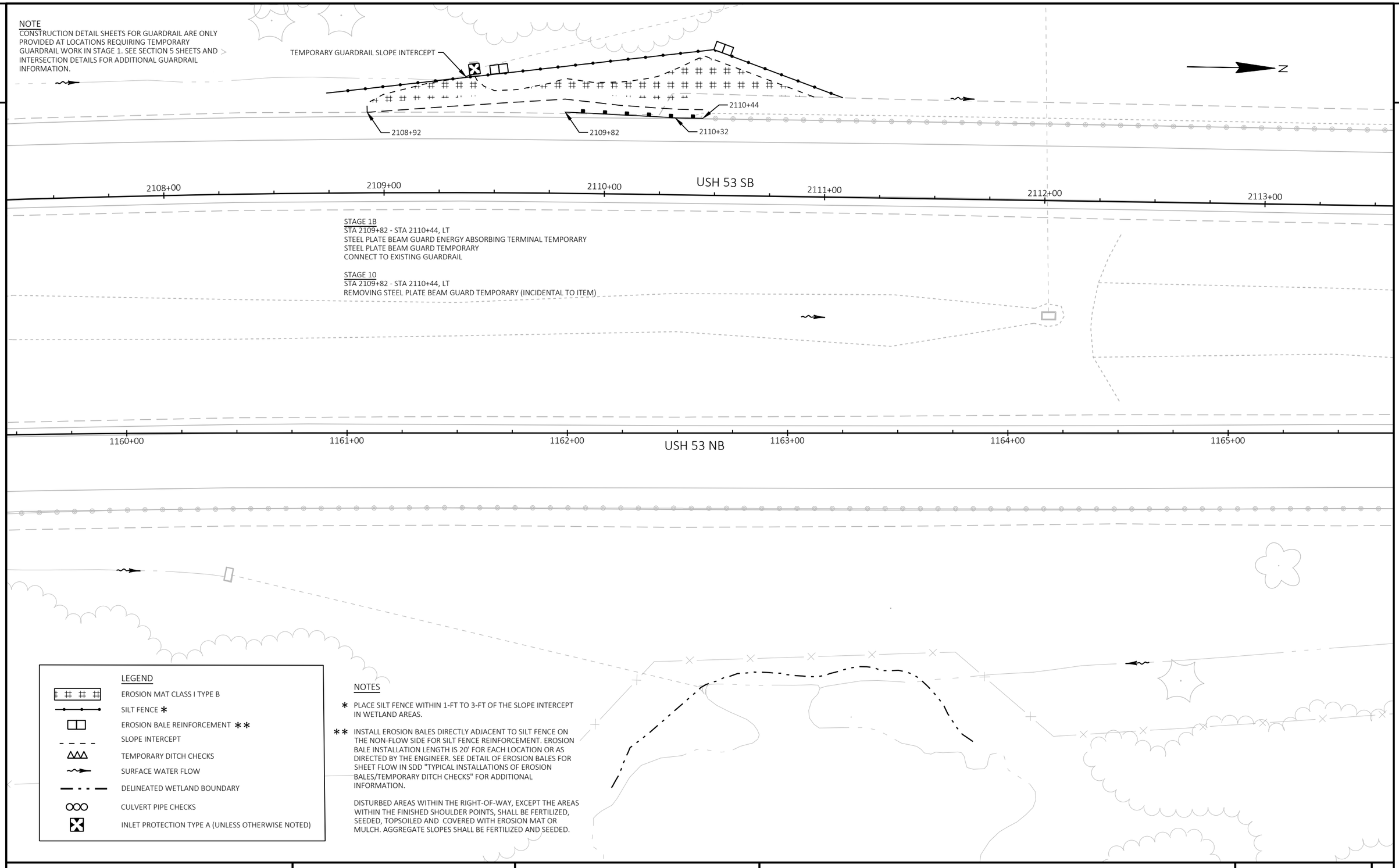
LEGEND
- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)

NOTES
* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.
** INSTALL EROSION BALES DIRECTLY ADJACENT TO SILT FENCE ON THE NON-FLOW SIDE FOR SILT FENCE REINFORCEMENT. EROSION BALE INSTALLATION LENGTH IS 20' FOR EACH LOCATION OR AS DIRECTED BY THE ENGINEER. SEE DETAIL OF EROSION BALES FOR SHEET FLOW IN SDD "TYPICAL INSTALLATIONS OF EROSION BALES/TEMPORARY DITCH CHECKS" FOR ADDITIONAL INFORMATION.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT OR MULCH. AGGREGATE SLOPES SHALL BE FERTILIZED AND SEEDED.

2

NOTE
CONSTRUCTION DETAIL SHEETS FOR GUARDRAIL ARE ONLY PROVIDED AT LOCATIONS REQUIRING TEMPORARY GUARDRAIL WORK IN STAGE 1. SEE SECTION 5 SHEETS AND INTERSECTION DETAILS FOR ADDITIONAL GUARDRAIL INFORMATION.



STAGE 1B
STA 2109+82 - STA 2110+44, LT
STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL TEMPORARY
STEEL PLATE BEAM GUARD TEMPORARY
CONNECT TO EXISTING GUARDRAIL

STAGE 10
STA 2109+82 - STA 2110+44, LT
REMOVING STEEL PLATE BEAM GUARD TEMPORARY (INCIDENTAL TO ITEM)

LEGEND
- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)

NOTES
* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

** INSTALL EROSION BALES DIRECTLY ADJACENT TO SILT FENCE ON THE NON-FLOW SIDE FOR SILT FENCE REINFORCEMENT. EROSION BALE INSTALLATION LENGTH IS 20' FOR EACH LOCATION OR AS DIRECTED BY THE ENGINEER. SEE DETAIL OF EROSION BALES FOR SHEET FLOW IN SDD "TYPICAL INSTALLATIONS OF EROSION BALES/TEMPORARY DITCH CHECKS" FOR ADDITIONAL INFORMATION.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT OR MULCH. AGGREGATE SLOPES SHALL BE FERTILIZED AND SEEDED.

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CONSTRUCTION DETAILS - TEMPORARY GUARDRAIL	SHEET 28	E

NOTE
CONSTRUCTION DETAIL SHEETS FOR GUARDRAIL ARE ONLY PROVIDED AT LOCATIONS REQUIRING TEMPORARY GUARDRAIL WORK IN STAGE 1. SEE SECTION 5 SHEETS AND INTERSECTION DETAILS FOR ADDITIONAL GUARDRAIL INFORMATION.

STAGE 1B
STA 2136+05 - STA 2136+55, LT
STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL TEMPORARY
CONNECT TO EXISTING GUARDRAIL

STAGE 10
STA 2136+05 - STA 2136+55, LT
REMOVING STEEL PLATE BEAM GUARD TEMPORARY (INCIDENTAL TO ITEM)

WISDOT
(COMMUNICATION)

TEMPORARY GUARDRAIL SLOPE INTERCEPT

XCEL ENERGY
(ELECTRIC)

AT&T WISCONSIN
(COMMUNICATION)

2135+25

2136+05

2136+20

2136+55

XCEL ENERGY
(ELECTRIC
TRANSMISSION)

USH 53 SB

132+00 2133+00 2134+00 2135+00 2136+00 2137+00 2138+00

1185+00 1186+00 1187+00 1188+00 1189+00 1190+00

USH 53 NB

50TH AVE

LEGEND

- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)

NOTES

* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

** INSTALL EROSION BALES DIRECTLY ADJACENT TO SILT FENCE ON THE NON-FLOW SIDE FOR SILT FENCE REINFORCEMENT. EROSION BALE INSTALLATION LENGTH IS 20' FOR EACH LOCATION OR AS DIRECTED BY THE ENGINEER. SEE DETAIL OF EROSION BALES FOR SHEET FLOW IN SDD "TYPICAL INSTALLATIONS OF EROSION BALES/TEMPORARY DITCH CHECKS" FOR ADDITIONAL INFORMATION.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT OR MULCH. AGGREGATE SLOPES SHALL BE FERTILIZED AND SEEDED.

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CONSTRUCTION DETAILS - TEMPORARY GUARDRAIL	SHEET 29	E

2

LEGEND

XXXXXX SAWCUT

NOTE
CONSTRUCTION DETAIL SHEETS FOR GUARDRAIL ARE ONLY PROVIDED AT LOCATIONS REQUIRING TEMPORARY GUARDRAIL WORK IN STAGE 1. SEE SECTION 5 SHEETS AND INTERSECTION DETAILS FOR ADDITIONAL GUARDRAIL INFORMATION.

STAGE 1A
STA 2155+90 - STA 2158+32, RT
MGS GUARDRAIL TEMPORARY
MGS GUARDRAIL TEMPORARY THRIE BEAM TRANSITION
MGS GUARDRAIL TEMPORARY TERMINAL EAT

STAGE 1B
STA 2157+31 - STA 2158+23, LT
MGS GUARDRAIL TEMPORARY THRIE BEAM TRANSITION
MGS GUARDRAIL TEMPORARY TERMINAL EAT

STAGE 10
STA 2155+90 - STA 2158+32, RT
STA 2157+31 - STA 2158+23, LT
REMOVE MGS GUARDRAIL TEMPORARY (INCIDENTAL TO ITEM)

N

2157+81
2158+23
2157+31
XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX

B-09-048

USH 53 SB

2154+00 2155+00 2155+90 2156+00 2156+40 2157+00 2157+48 2157+93 2158+00 2159+00 2160+00

2155+20
2158+32
TEMPORARY GUARDRAIL SLOPE INTERCEPT

+00 1207+00 1208+00 1209+00 1210+00 1211+00 1212+00

B-09-049

USH 53 NB

CHIPPEWA RIVER

LEGEND

- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)

NOTES

* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

** INSTALL EROSION BALES DIRECTLY ADJACENT TO SILT FENCE ON THE NON-FLOW SIDE FOR SILT FENCE REINFORCEMENT. EROSION BALE INSTALLATION LENGTH IS 20' FOR EACH LOCATION OR AS DIRECTED BY THE ENGINEER. SEE DETAIL OF EROSION BALES FOR SHEET FLOW IN SDD "TYPICAL INSTALLATIONS OF EROSION BALES/TEMPORARY DITCH CHECKS" FOR ADDITIONAL INFORMATION.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT OR MULCH. AGGREGATE SLOPES SHALL BE FERTILIZED AND SEEDED.

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CONSTRUCTION DETAILS - TEMPORARY GUARDRAIL	SHEET 30	E

2

2

NOTE
CONSTRUCTION DETAIL SHEETS FOR GUARDRAIL ARE ONLY PROVIDED AT LOCATIONS REQUIRING TEMPORARY GUARDRAIL WORK IN STAGE 1. SEE SECTION 5 SHEETS AND INTERSECTION DETAILS FOR ADDITIONAL GUARDRAIL INFORMATION.

STAGE 1A
STA 2176+75 - STA 2179+17, RT
MGS GUARDRAIL TEMPORARY
MGS GUARDRAIL TEMPORARY THRIE BEAM TRANSITION
MGS GUARDRAIL TEMPORARY TERMINAL EAT
STEEL THRIE BEAM STRUCTURE APPROACH RETROFIT POST
STEEL THRIE BEAM STRUCTURE APPROACH RETROFIT SPAN

STAGE 10
STA 2176+75 - STA 2179+17, RT
REMOVE MGS GUARDRAIL TEMPORARY (INCIDENTAL TO ITEM)

N

USH 53 SB/BUS 29 EXIT

B-09-052

USH 53 SB

2175+00 2176+00 2176+75 2177+00 2177+25 2178+00 2179+00 2180+00

2175+77

TEMPORARY GUARDRAIL SLOPE INTERCEPT

2179+17

1227+00 1228+00 1229+00 1230+00 1231+00 1232+00 1233

B-09-053

USH 53 NB

USH 53 NB/BUS 29 ENTRANCE

WCL RR

SIGN

NL

LEGEND

- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)

NOTES

* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

** INSTALL EROSION BALES DIRECTLY ADJACENT TO SILT FENCE ON THE NON-FLOW SIDE FOR SILT FENCE REINFORCEMENT. EROSION BALE INSTALLATION LENGTH IS 20' FOR EACH LOCATION OR AS DIRECTED BY THE ENGINEER. SEE DETAIL OF EROSION BALES FOR SHEET FLOW IN SDD "TYPICAL INSTALLATIONS OF EROSION BALES/TEMPORARY DITCH CHECKS" FOR ADDITIONAL INFORMATION.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT OR MULCH. AGGREGATE SLOPES SHALL BE FERTILIZED AND SEEDED.

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CONSTRUCTION DETAILS - TEMPORARY GUARDRAIL	SHEET 31	E

2

2

NOTE
CONSTRUCTION DETAIL SHEETS FOR GUARDRAIL ARE ONLY PROVIDED AT LOCATIONS REQUIRING TEMPORARY GUARDRAIL WORK IN STAGE 1. SEE SECTION 5 SHEETS AND INTERSECTION DETAILS FOR ADDITIONAL GUARDRAIL INFORMATION.

STAGE 1A
STA 2320+85 - STA 2323+27, RT
MGS GUARDRAIL TEMPORARY TERMINAL EAT
MGS GUARDRAIL TEMPORARY THRIE BEAM TRANSITION
MGS GUARDRAIL TEMPORARY TERMINAL

STAGE 1B
STA 2321+77 - STA 2322+28, LT
STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL TEMPORARY
CONNECT TO EXISTING GUARDRAIL

STAGE 8
STA 2320+85 - STA 2323+27, RT
STA 2321+77 - STA 2322+28, LT
REMOVING MGS GUARDRAIL TEMPORARY AND STEEL PLATE BEAM GUARD TEMPORARY (INCIDENTAL TO ITEM)

PLACE SILT FENCE FOR ULTIMATE CONSTRUCTION
TEMPORARY GUARDRAIL SLOPE INTERCEPT
XCEL ENERGY (ELECTRIC)
CINC (COMMUNICATION)
2320+88
2321+77
2322+28
USH 53 SB
2320+00
2320+85
2321+00
2321+35
2322+00
2323+00
2324+00
2325+00
2319+76
2323+27
TEMPORARY GUARDRAIL SLOPE INTERCEPT
1372+00
1373+00
1374+00
1375+00
1376+00
1377+00
USH 53 NB
AT&T WISCONSIN (COMMUNICATION)
CTH S EB
CTH S WB

LEGEND
- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)

NOTES
* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

** INSTALL EROSION BALES DIRECTLY ADJACENT TO SILT FENCE ON THE NON-FLOW SIDE FOR SILT FENCE REINFORCEMENT. EROSION BALE INSTALLATION LENGTH IS 20' FOR EACH LOCATION OR AS DIRECTED BY THE ENGINEER. SEE DETAIL OF EROSION BALES FOR SHEET FLOW IN SDD "TYPICAL INSTALLATIONS OF EROSION BALES/TEMPORARY DITCH CHECKS" FOR ADDITIONAL INFORMATION.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT OR MULCH. AGGREGATE SLOPES SHALL BE FERTILIZED AND SEEDED.

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CONSTRUCTION DETAILS - TEMPORARY GUARDRAIL	SHEET 32	E

LEGEND

- ROADWAY AND GUARDRAIL GRADING SLOPE INTERCEPT
- CONDUIT (SIZE AND TYPE NOTED)
- ABANDON EXISTING CONDUIT AND REMOVE EXISTING WIRING
- EXISTING PULL BOX (TO REMAIN)
- EXISTING LIGHT POLE, ARM MOUNTED LUMINAIRE (TO REMAIN)

NOTES

NOTIFY ELECTRICAL FIELD UNIT AT LEAST 5 WORKING DAYS IN ADVANCE OF ANY REQUIRED INSPECTIONS AT (715) 225-0360.

* SEE "CONSTRUCTION DETAILS - TEMPORARY GUARDRAIL AND GUARDRAIL REMOVAL PLAN" FOR PROPOSED TEMPORARY GUARDRAIL.

INSTALL THREE RUNS OF ELECTRICAL WIRE LIGHTING 8 AWG FROM CB1 TO LB1.

CAP CONDUIT ENDS FOR ABANDONED CONDUITS THAT WILL REMAIN ENTERING INTO EXISTING PULL BOXES.

CAPPING ABANDONED CONDUIT ENDS IS INCIDENTAL TO PROPOSED CONDUIT ITEMS.

ONLY REMOVE EXISTING LIGHTING WIRE FROM LB1 TO CB1 UNDER THE REMOVING CABLE ITEM. FROM PB3 TO CB1 ONLY REMOVE EXISTING LIGHTING WIRING THAT IS TO BE REPLACED UNDER THIS PROJECT. DO NOT REMOVE ANY OTHER WIRE EXCEPT THE LIGHTING WIRE(S) GOING FROM LB1 TO CB1.

NO ELECTRICAL SPLICES ALLOWED IN PULL BOXES.

5

REMOVE WIRING AND ABANDON EXISTING CONDUIT. CONTRACTOR TO USE EXISTING HOLE IN PB4 AND COUPLE ONTO CONDUIT COMING FROM LB1 WITH NEW CONDUIT. EXISTING CONDUIT TO BE ABANDONED IN PLACE.

WISDOT (COMMUNICATION)

LB2

LB1

PB4
INSTALL CONDUIT INTO EXISTING ITEM

PB4-PB3
CONDUIT SPECIAL
2-INCH

PB3
INSTALL CONDUIT INTO EXISTING ITEM

LB1-PB4
CONDUIT RIGID NONMETALLIC
SCHEDULE 40 2-INCH

WISDOT (ELECTRIC)

CAUTION

*

USH 53 SB

2081+00 2082+00 2083+00 2084+00 2085+00

VILLAGE OF LAKE HALLIE (WATER)

AT&T WISCONSIN (COMMUNICATION)

XCEL ENERGY (ELECTRIC)
CHARTER COMMUNICATION (COMMUNICATION)

XCEL ENERGY (GAS)

1134+00 1135+00 1136+00 1137+00 1138+00

USH 53 NB

40TH AVE

PB2

SEE DETAIL A

N

DETAIL A

CB1
EXISTING LIGHTING CONTROLLER

VILLAGE OF LAKE HALLIE (WATER)

PB1

40TH AVE

XCEL ENERGY (GAS)

WISDOT (ELECTRIC)

XCEL ENERGY (ELECTRIC)
CHARTER COMMUNICATION (COMMUNICATION)

PB2

5

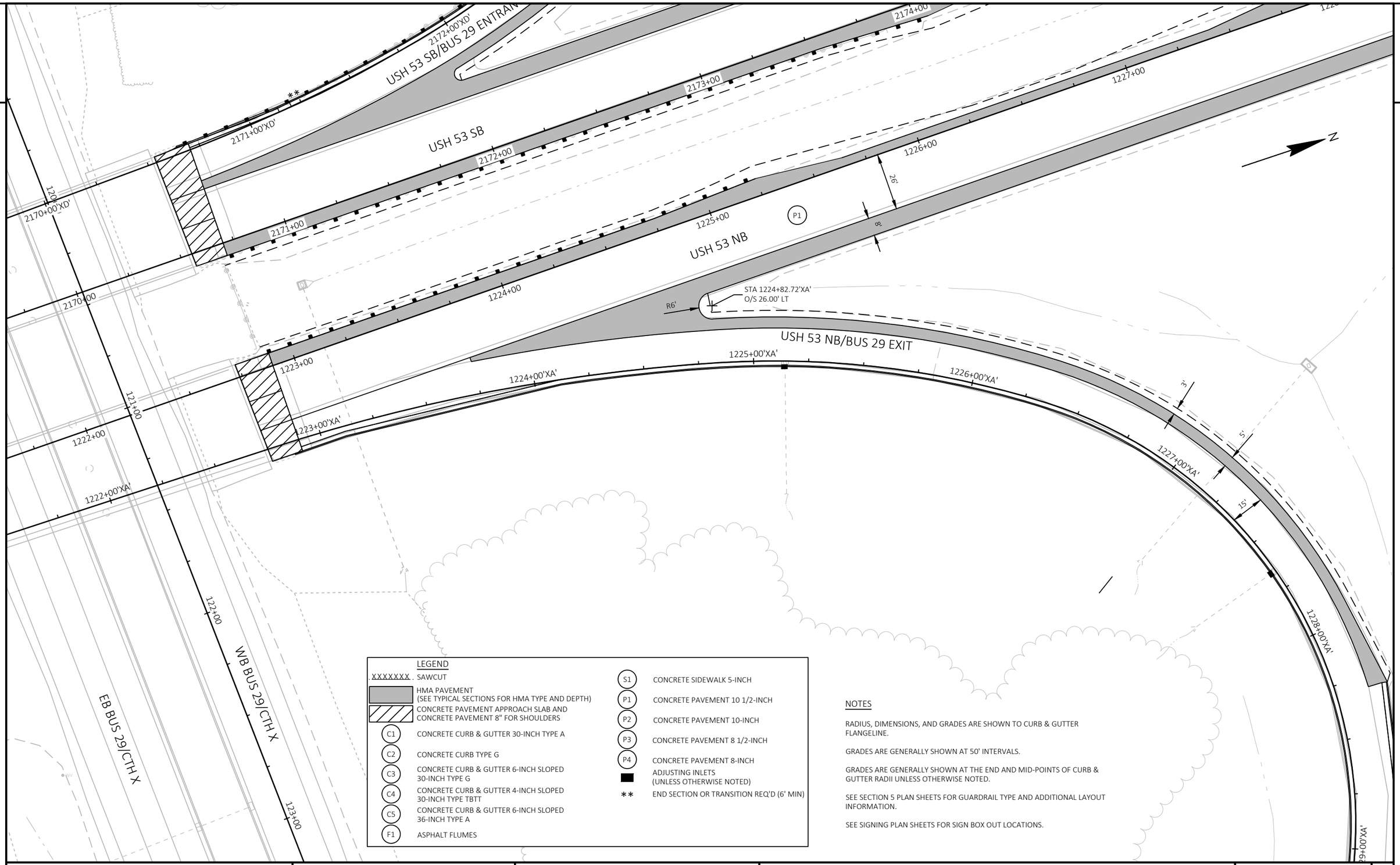
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CONSTRUCTION DETAILS - ELECTRICAL PLAN	SHEET 33	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\021007-CD.DWG
LAYOUT NAME - 01

PLOT DATE : 6/28/2021 11:22 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2



LEGEND

XXXXXXX	SAWCUT
	HMA PAVEMENT (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
	CONCRETE PAVEMENT APPROACH SLAB AND CONCRETE PAVEMENT 8" FOR SHOULDERS
C1	CONCRETE CURB & GUTTER 30-INCH TYPE A
C2	CONCRETE CURB TYPE G
C3	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE G
C4	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE TBTT
C5	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
F1	ASPHALT FLUMES
S1	CONCRETE SIDEWALK 5-INCH
P1	CONCRETE PAVEMENT 10 1/2-INCH
P2	CONCRETE PAVEMENT 10-INCH
P3	CONCRETE PAVEMENT 8 1/2-INCH
P4	CONCRETE PAVEMENT 8-INCH
■	ADJUSTING INLETS (UNLESS OTHERWISE NOTED)
**	END SECTION OR TRANSITION REQ'D (6' MIN)

NOTES

RADIUS, DIMENSIONS, AND GRADES ARE SHOWN TO CURB & GUTTER FLANGELINE.

GRADES ARE GENERALLY SHOWN AT 50' INTERVALS.

GRADES ARE GENERALLY SHOWN AT THE END AND MID-POINTS OF CURB & GUTTER RADII UNLESS OTHERWISE NOTED.

SEE SECTION 5 PLAN SHEETS FOR GUARDRAIL TYPE AND ADDITIONAL LAYOUT INFORMATION.

SEE SIGNING PLAN SHEETS FOR SIGN BOX OUT LOCATIONS.

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PAVING DETAILS - USH 53 NB/BUS 29 EXIT RAMP	SHEET 34	E

2

EB BUS 29 / CTH X

WB BUS 29 / CTH X

125+00

126+00

127+00

128+00

SEE DETAIL A

SEE DETAIL B

1233+00'XA'

USH 53 NB/BUS 29 EXIT

1232+00'XA'

1231+00'XA'

1230+00'XA'

1229+00'XA'

1228+00'XA'

1226+00'XB'

1225+00'XB'

1224+00'XB'

1223+00'XB'

1222+00'XB'

1221+00'XB'

USH 53 NB/BUS 29 ENTRANCE

R101'

R230'

18'

+36

+92

831.04

829.45

STA 1220+47.09'XB'
O/S 33.48' RT
823.19

STA 1220+98.82'XB'
O/S 7.52' RT
823.09

STA 1220+41.79'XB'
O/S 88.59' RT

STA 1220+26.84'XB'
O/S 88.59' RT

STA 1220+97.34'XB'
O/S 101.00' LT

STA 1220+37.93'XB'
O/S 38.81' LT
823.28

STA 1220+65.34'XB'
O/S 21.17' LT
823.07

STA 1220+97.34'XB'
O/S 15.00' LT
823.03

LEGEND

XXXXXXX	SAWCUT
	HMA PAVEMENT (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
	CONCRETE PAVEMENT APPROACH SLAB AND CONCRETE PAVEMENT 8" FOR SHOULDERS
C1	CONCRETE CURB & GUTTER 30-INCH TYPE A
C2	CONCRETE CURB TYPE G
C3	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE G
C4	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE TBTT
C5	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
F1	ASPHALT FLUMES
S1	CONCRETE SIDEWALK 5-INCH
P1	CONCRETE PAVEMENT 10 1/2-INCH
P2	CONCRETE PAVEMENT 10-INCH
P3	CONCRETE PAVEMENT 8 1/2-INCH
P4	CONCRETE PAVEMENT 8-INCH
■	ADJUSTING INLETS (UNLESS OTHERWISE NOTED)
**	END SECTION OR TRANSITION REQ'D (6' MIN)

NOTES

RADIUS, DIMENSIONS, AND GRADES ARE SHOWN TO CURB & GUTTER FLANGELINE.

GRADES ARE GENERALLY SHOWN AT 50' INTERVALS.

GRADES ARE GENERALLY SHOWN AT THE END AND MID-POINTS OF CURB & GUTTER RADII UNLESS OTHERWISE NOTED.

SEE SECTION 5 PLAN SHEETS FOR GUARDRAIL TYPE AND ADDITIONAL LAYOUT INFORMATION.

SEE SIGNING PLAN SHEETS FOR SIGN BOX OUT LOCATIONS.

DETAIL A

USH 53 NB/ BUS 29 EXIT

STA 1233+11.62'XA'
O/S 79.81' RT

STA 1233+59.641'XA'
O/S 1.002' LT
824.026

STA 1233+59.983'XA'
O/S 3.730' LT
824.046

STA 1233+27.20'XA'
O/S 115.00'LT

STA 1233+60.41'XA'
O/S 2.29' LT

R94'

R1.5'

R116'

REMOVING CONCRETE PAVEMENT

STA 1233+71.584'XA'
O/S 7.416' RT
824.099

STA 1233+72.14'XA'
O/S 6.44' LT

STA 1233+73.18'XA'
O/S 5.49' RT

STA 1233+71.568'XA'
O/S 7.822' LT
824.087

S1

R2.5'

R1.5'

C2

STA 1233+75.643'XA'
O/S 5.067' RT
823.649

STA 1233+73.620'XA'
O/S 6.690' LT
823.689

NOTES

ALL CONCRETE NOSES ON THIS ISLAND ARE SLOPED NOSE TYPE 2.

GRADES ON DETAIL A ARE SHOWN TO CURB FLOW LINE.

DETAIL B

USH 53 NB/ BUS 29 ENTRANCE

USH 53 NB/ BUS 29 EXIT

STA 1233+27.20'XA'
O/S 18.00' LT
822.98

STA 1220+97.34'XB'
O/S 101.00' LT

R86'

REMOVING CONCRETE PAVEMENT

R97'

C1

STA 1233+27.20'XA'
O/S 115.00' LT

TOPSOIL (SEE EROSION CONTROL SHEETS)

STA 1220+65.34'XB'
O/S 21.17' LT
823.07

STA 1220+37.93'XB'
O/S 38.81' LT
823.28

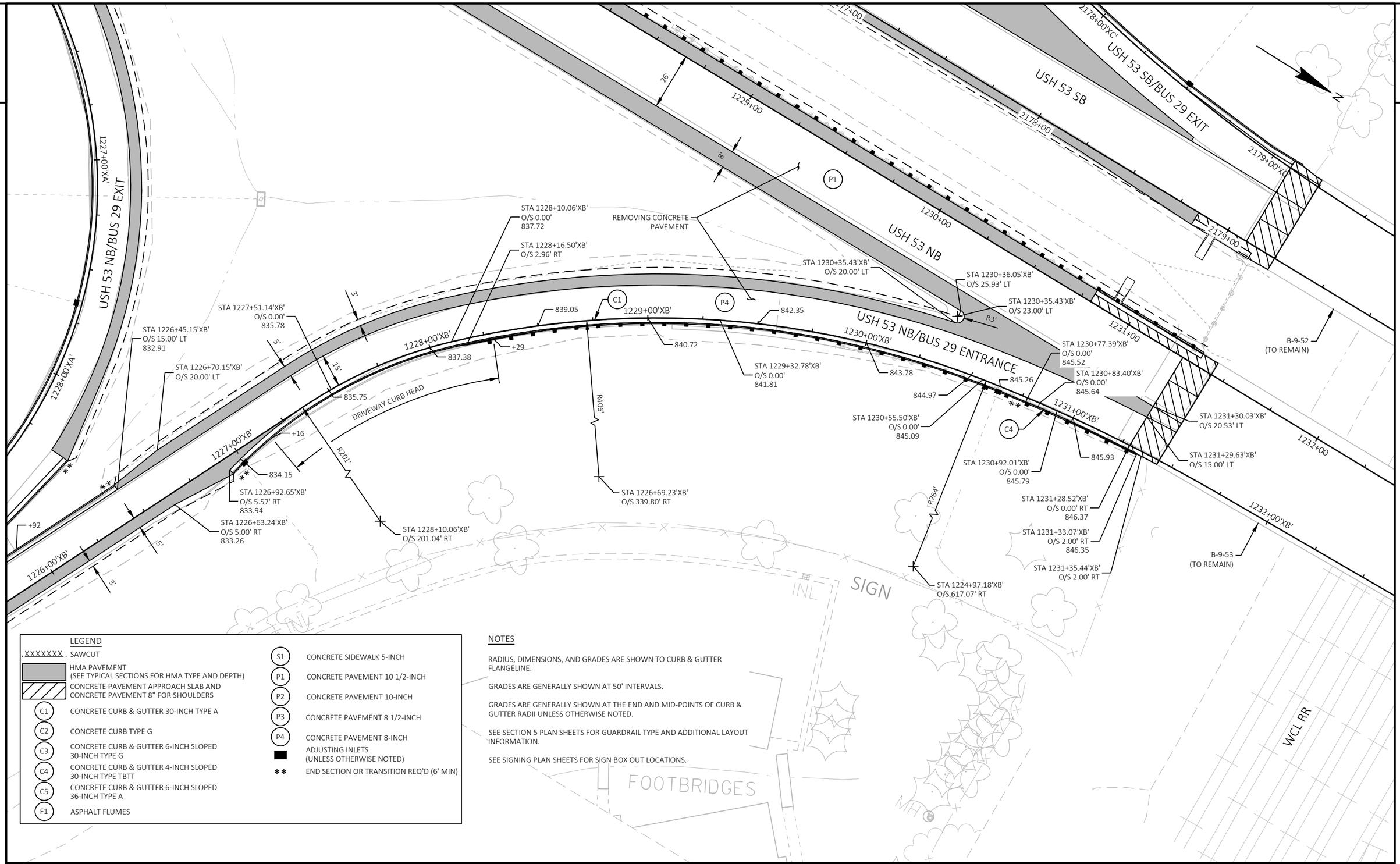
R10'

STA 1233+64.53'XA'
O/S 25.47' LT
823.21

STA 1233+60.68'XA'
O/S 34.70' LT

REMOVING CONCRETE PAVEMENT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PAVING DETAILS - USH 53 NB/BUS 29 EXIT AND ENTRANCE RAMP	SHEET 35	E



LEGEND

XXXXXXX	SAWCUT
	HMA PAVEMENT (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
	CONCRETE PAVEMENT APPROACH SLAB AND CONCRETE PAVEMENT 8" FOR SHOULDERS
C1	CONCRETE CURB & GUTTER 30-INCH TYPE A
C2	CONCRETE CURB TYPE G
C3	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE G
C4	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE TBTT
C5	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
F1	ASPHALT FLUMES
S1	CONCRETE SIDEWALK 5-INCH
P1	CONCRETE PAVEMENT 10 1/2-INCH
P2	CONCRETE PAVEMENT 10-INCH
P3	CONCRETE PAVEMENT 8 1/2-INCH
P4	CONCRETE PAVEMENT 8-INCH
■	ADJUSTING INLETS (UNLESS OTHERWISE NOTED)
**	END SECTION OR TRANSITION REQ'D (6' MIN)

NOTES

RADIUS, DIMENSIONS, AND GRADES ARE SHOWN TO CURB & GUTTER FLANGELINE.

GRADES ARE GENERALLY SHOWN AT 50' INTERVALS.

GRADES ARE GENERALLY SHOWN AT THE END AND MID-POINTS OF CURB & GUTTER RADII UNLESS OTHERWISE NOTED.

SEE SECTION 5 PLAN SHEETS FOR GUARDRAIL TYPE AND ADDITIONAL LAYOUT INFORMATION.

SEE SIGNING PLAN SHEETS FOR SIGN BOX OUT LOCATIONS.

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PAVING DETAILS - USH 53 NB/BUS 29 ENTRANCE RAMP	SHEET 36 E

LEGEND

XXXXXXX	SAWCUT
	HMA PAVEMENT (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
	CONCRETE PAVEMENT APPROACH SLAB AND CONCRETE PAVEMENT 8" FOR SHOULDERS
C1	CONCRETE CURB & GUTTER 30-INCH TYPE A
C2	CONCRETE CURB TYPE G
C3	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE G
C4	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE TBTT
C5	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
F1	ASPHALT FLUMES
S1	CONCRETE SIDEWALK 5-INCH
P1	CONCRETE PAVEMENT 10 1/2-INCH
P2	CONCRETE PAVEMENT 10-INCH
P3	CONCRETE PAVEMENT 8 1/2-INCH
P4	CONCRETE PAVEMENT 8-INCH
■	ADJUSTING INLETS (UNLESS OTHERWISE NOTED)
**	END SECTION OR TRANSITION REQ'D (6' MIN)

NOTES

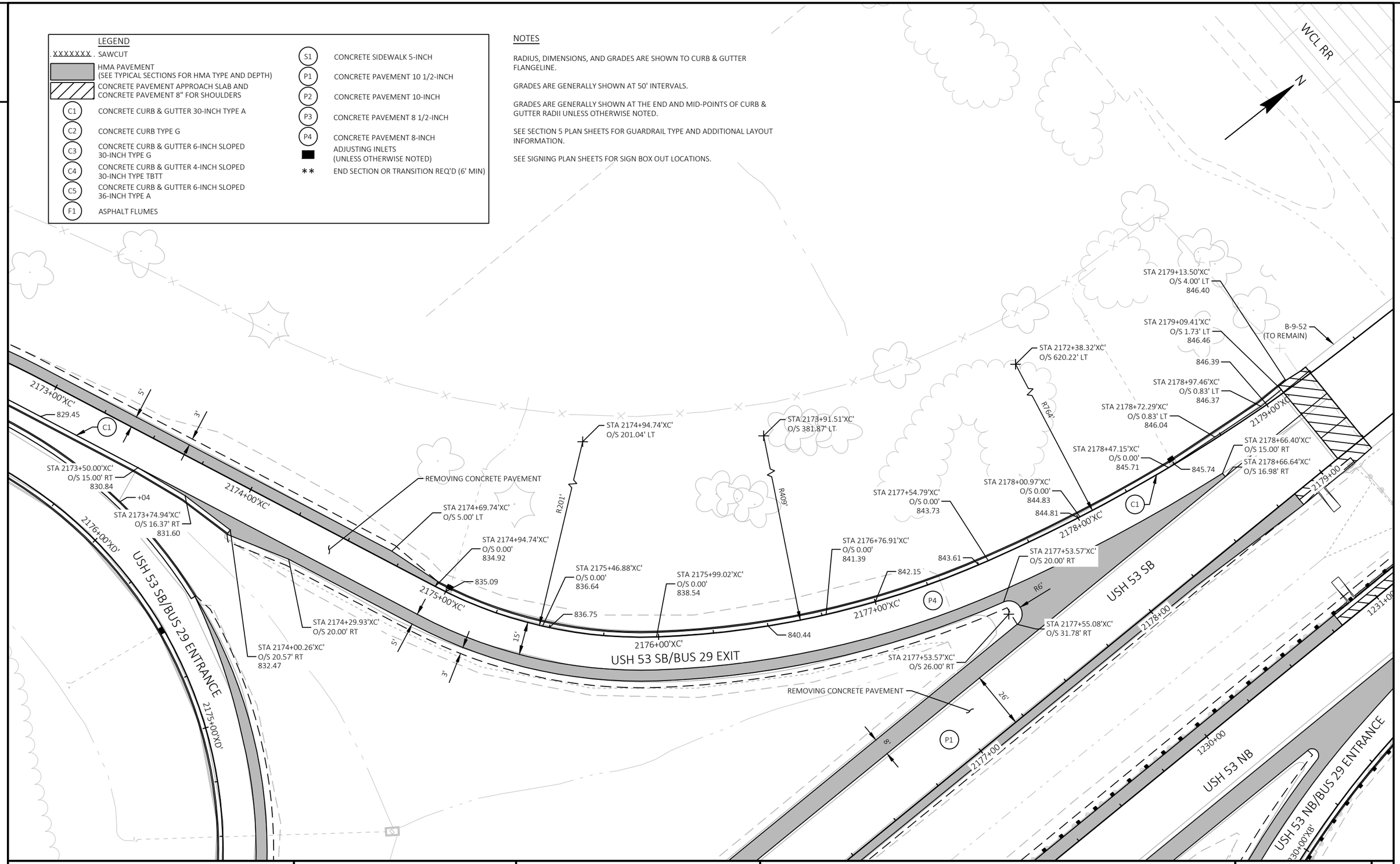
RADIUS, DIMENSIONS, AND GRADES ARE SHOWN TO CURB & GUTTER FLANGELINE.

GRADES ARE GENERALLY SHOWN AT 50' INTERVALS.

GRADES ARE GENERALLY SHOWN AT THE END AND MID-POINTS OF CURB & GUTTER RADII UNLESS OTHERWISE NOTED.

SEE SECTION 5 PLAN SHEETS FOR GUARDRAIL TYPE AND ADDITIONAL LAYOUT INFORMATION.

SEE SIGNING PLAN SHEETS FOR SIGN BOX OUT LOCATIONS.



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PAVING DETAILS - USH 53 SB/BUS 29 EXIT RAMP	SHEET 37	E

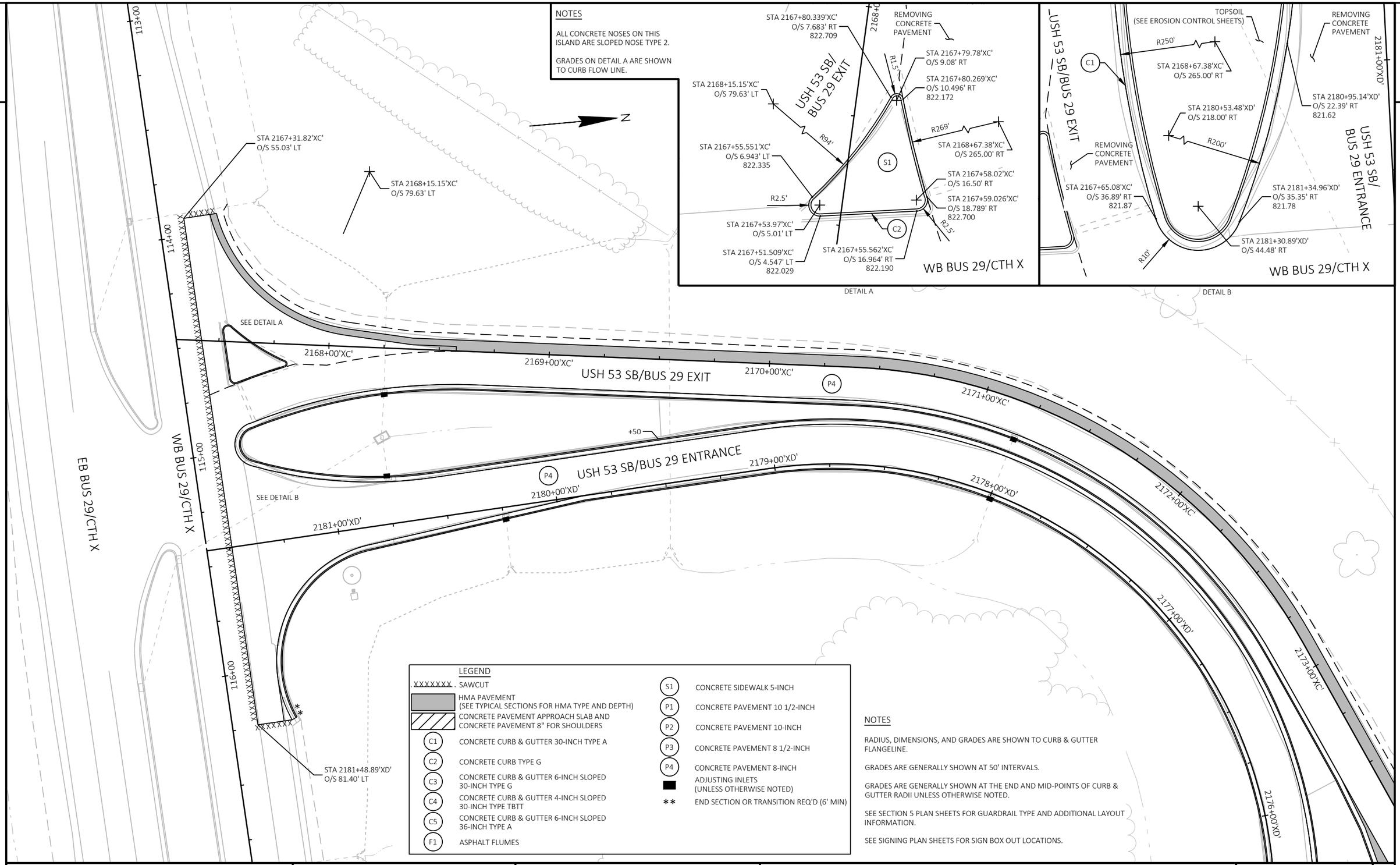
NOTES

ALL CONCRETE NOSES ON THIS ISLAND ARE SLOPED NOSE TYPE 2.

GRADES ON DETAIL A ARE SHOWN TO CURB FLOW LINE.

DETAIL A

DETAIL B



LEGEND

XXXXXXX	SAWCUT
	HMA PAVEMENT (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
	CONCRETE PAVEMENT APPROACH SLAB AND CONCRETE PAVEMENT 8" FOR SHOULDERS
C1	CONCRETE CURB & GUTTER 30-INCH TYPE A
C2	CONCRETE CURB TYPE G
C3	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE G
C4	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE TBTT
C5	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
F1	ASPHALT FLUMES
S1	CONCRETE SIDEWALK 5-INCH
P1	CONCRETE PAVEMENT 10 1/2-INCH
P2	CONCRETE PAVEMENT 10-INCH
P3	CONCRETE PAVEMENT 8 1/2-INCH
P4	CONCRETE PAVEMENT 8-INCH
■	ADJUSTING INLETS (UNLESS OTHERWISE NOTED)
**	END SECTION OR TRANSITION REQ'D (6' MIN)

NOTES

RADIUS, DIMENSIONS, AND GRADES ARE SHOWN TO CURB & GUTTER FLANGELINE.

GRADES ARE GENERALLY SHOWN AT 50' INTERVALS.

GRADES ARE GENERALLY SHOWN AT THE END AND MID-POINTS OF CURB & GUTTER RADII UNLESS OTHERWISE NOTED.

SEE SECTION 5 PLAN SHEETS FOR GUARDRAIL TYPE AND ADDITIONAL LAYOUT INFORMATION.

SEE SIGNING PLAN SHEETS FOR SIGN BOX OUT LOCATIONS.

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PAVING DETAILS - USH 53 SB/BUS 29 EXIT AND ENTRANCE RAMP	SHEET 38	E

LEGEND

XXXXXXX	SAWCUT
	HMA PAVEMENT (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
	CONCRETE PAVEMENT APPROACH SLAB AND CONCRETE PAVEMENT 8" FOR SHOULDERS
C1	CONCRETE CURB & GUTTER 30-INCH TYPE A
C2	CONCRETE CURB TYPE G
C3	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE G
C4	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE TBTT
C5	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
F1	ASPHALT FLUMES
S1	CONCRETE SIDEWALK 5-INCH
P1	CONCRETE PAVEMENT 10 1/2-INCH
P2	CONCRETE PAVEMENT 10-INCH
P3	CONCRETE PAVEMENT 8 1/2-INCH
P4	CONCRETE PAVEMENT 8-INCH
■	ADJUSTING INLETS (UNLESS OTHERWISE NOTED)
**	END SECTION OR TRANSITION REQ'D (6' MIN)

NOTES

RADIUS, DIMENSIONS, AND GRADES ARE SHOWN TO CURB & GUTTER FLANGELINE.

GRADES ARE GENERALLY SHOWN AT 50' INTERVALS.

GRADES ARE GENERALLY SHOWN AT THE END AND MID-POINTS OF CURB & GUTTER RADII UNLESS OTHERWISE NOTED.

SEE SECTION 5 PLAN SHEETS FOR GUARDRAIL TYPE AND ADDITIONAL LAYOUT INFORMATION.

SEE SIGNING PLAN SHEETS FOR SIGN BOX OUT LOCATIONS.

N

EB BUS 29/CTH X

WB BUS 29/CTH X

118+00

119+00

2176+00'XD'

2174+00'XC'

USH 53 SB/BUS 29 EXIT

830.45

830.50

STA 2175+54.05'XD'
O/S 18.00' RT
831.74

STA 2174+22.48'XD'
O/S 200.30' LT

C1

R200'

832.40

2175+00'XD'

834.40

STA 2180+91.76'XD'
O/S 305.27' RT

STA 2180+42.79'XD'
O/S 48.15' LT

R764'

R407'

+81

STA 2174+22.48'XD'
O/S 0.00'
835.49

15'

DRIVEWAY CURB HEAD

836.35

2174+00'XD'

+68

STA 2172+98.99'XD'
O/S 0.00'
839.52

838.06

STA 2172+80.51'XD'
O/S 3.62' LT

839.49

STA 2170+62.17'XD'
O/S 2.90' LT

STA 2170+64.76'XD'
O/S 3.27' LT
842.37

STA 2170+70.42'XD'
O/S 1.00' LT
842.44

STA 2171+44.59'XD'
O/S 0.00'
842.14

STA 2171+75.50'XD'
O/S 0.00'
841.83

2173+00'XD'

REMOVING CONCRETE PAVEMENT

C4

842.36

**

842.09

841.50

840.64

P4

2170+00'XD'

2171+00'XD'

STA 2171+20.24'XD'
O/S 0.00'
842.30

2172+00'XD'

STA 2171+13.67'XD'
O/S 0.00'
842.34

USH 53 SB/BUS 29 ENTRANCE

R3'

STA 2171+93.77'XD'
O/S 20.00' RT

STA 2171+14.22'XD'
O/S 0.00'
842.34

STA 2170+69.88'XD'
O/S 15.00' RT

STA 2171+93.77'XD'
O/S 23.00' RT

STA 2171+93.16'XD'
O/S 25.93' RT

STA 2170+69.75'XD'
O/S 18.85' RT

2170+00

2171+00

USH 53 SB

P1

2172+00

2173+00

2174+00

2175+00

REMOVING CONCRETE PAVEMENT

B-9-50
TO REMAIN

B-9-51
TO REMAIN

121+00

1222+00

1223+00

1224+00

1222+00'XA'

USH 53 NB

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PAVING DETAILS - USH 53 SB/BUS 29 ENTRANCE RAMP	SHEET 39	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 06
PLOT DATE : 10/2/2023 10:32 AM
PLOT BY : AUSTIN STRAHL
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

XXXXXXX	SAWCUT
	HMA PAVEMENT (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
	CONCRETE PAVEMENT APPROACH SLAB AND CONCRETE PAVEMENT 8" FOR SHOULDERS
C1	CONCRETE CURB & GUTTER 30-INCH TYPE A
C2	CONCRETE CURB TYPE G
C3	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE G
C4	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE TBTT
C5	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
F1	ASPHALT FLUMES
S1	CONCRETE SIDEWALK 5-INCH
P1	CONCRETE PAVEMENT 10 1/2-INCH
P2	CONCRETE PAVEMENT 10-INCH
P3	CONCRETE PAVEMENT 8 1/2-INCH
P4	CONCRETE PAVEMENT 8-INCH
■	ADJUSTING INLETS (UNLESS OTHERWISE NOTED)
**	END SECTION OR TRANSITION REQ'D (6' MIN)

NOTES

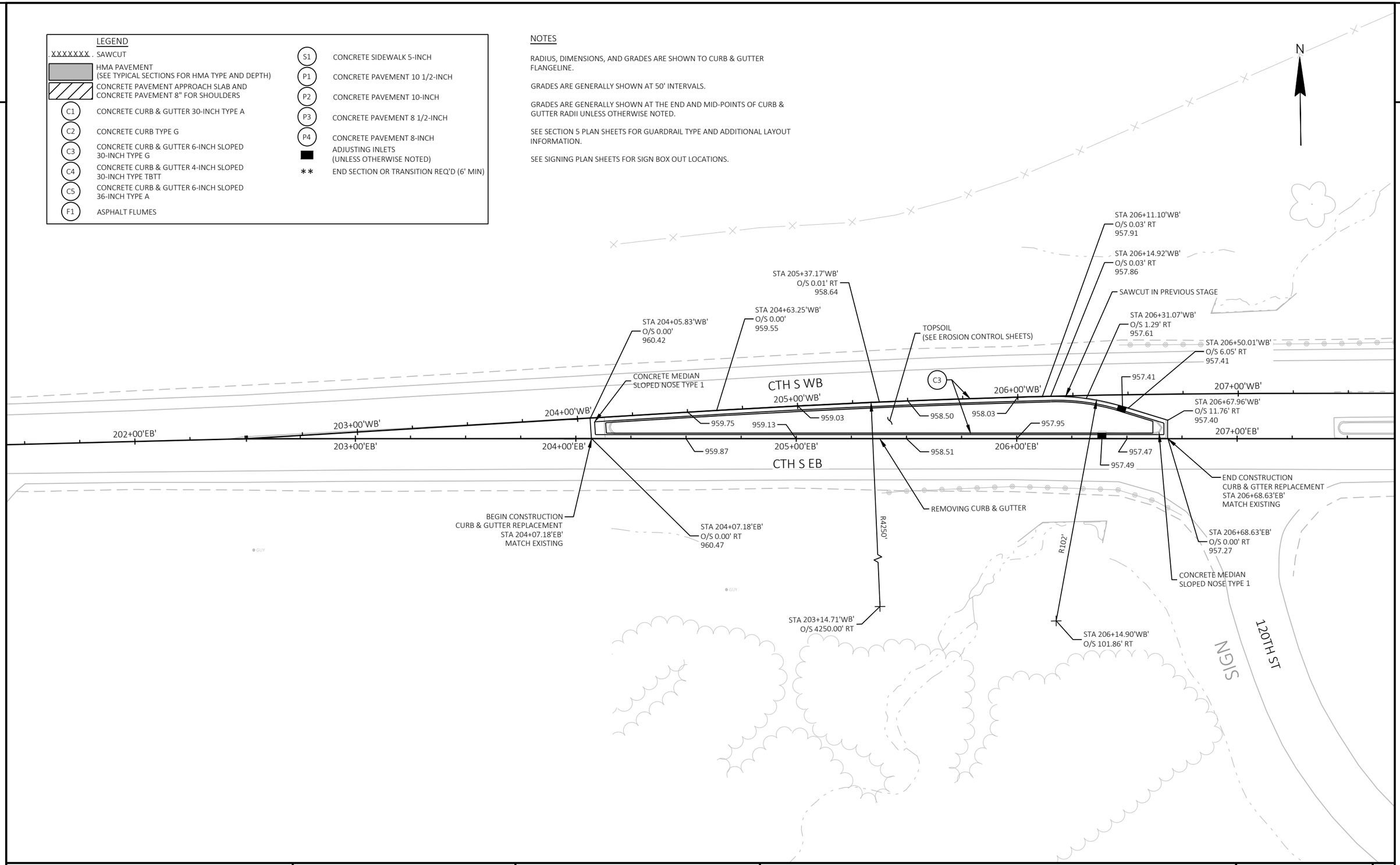
RADIUS, DIMENSIONS, AND GRADES ARE SHOWN TO CURB & GUTTER FLANGELINE.

GRADES ARE GENERALLY SHOWN AT 50' INTERVALS.

GRADES ARE GENERALLY SHOWN AT THE END AND MID-POINTS OF CURB & GUTTER RADII UNLESS OTHERWISE NOTED.

SEE SECTION 5 PLAN SHEETS FOR GUARDRAIL TYPE AND ADDITIONAL LAYOUT INFORMATION.

SEE SIGNING PLAN SHEETS FOR SIGN BOX OUT LOCATIONS.



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PAVING DETAILS - CTH S	SHEET 40	E

2

LEGEND

- XXXXXXX SAWCUT
- HMA PAVEMENT (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
- CONCRETE PAVEMENT APPROACH SLAB AND CONCRETE PAVEMENT 8" FOR SHOULDERS
- C1 CONCRETE CURB & GUTTER 30-INCH TYPE A
- C2 CONCRETE CURB TYPE G
- C3 CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE G
- C4 CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE TBTT
- C5 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
- F1 ASPHALT FLUMES
- S1 CONCRETE SIDEWALK 5-INCH
- P1 CONCRETE PAVEMENT 10 1/2-INCH
- P2 CONCRETE PAVEMENT 10-INCH
- P3 CONCRETE PAVEMENT 8 1/2-INCH
- P4 CONCRETE PAVEMENT 8-INCH
- ADJUSTING INLETS (UNLESS OTHERWISE NOTED)
- ** END SECTION OR TRANSITION REQ'D (6' MIN)

NOTES

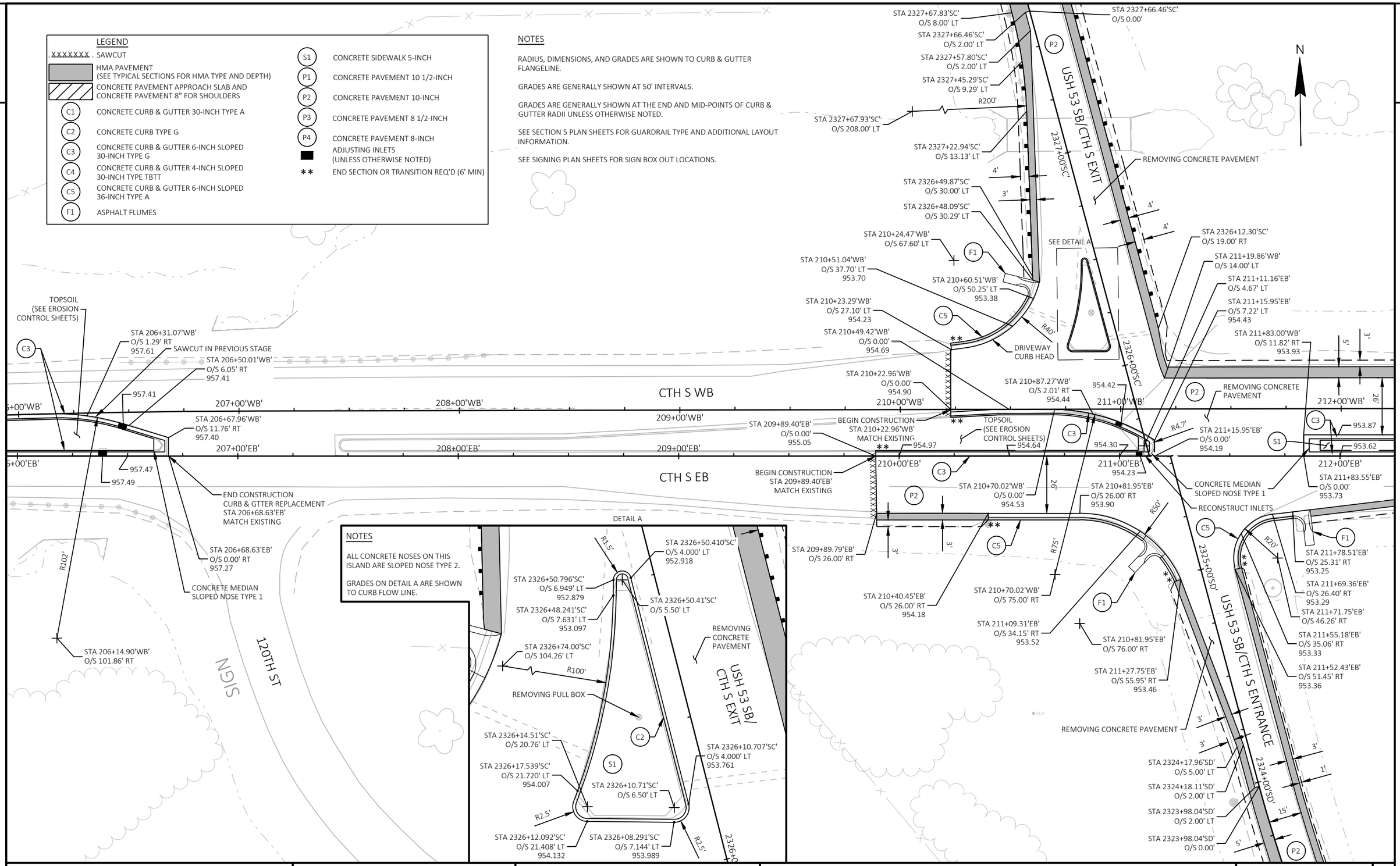
RADIUS, DIMENSIONS, AND GRADES ARE SHOWN TO CURB & GUTTER FLANGELINE.

GRADES ARE GENERALLY SHOWN AT 50' INTERVALS.

GRADES ARE GENERALLY SHOWN AT THE END AND MID-POINTS OF CURB & GUTTER RADII UNLESS OTHERWISE NOTED.

SEE SECTION 5 PLAN SHEETS FOR GUARDRAIL TYPE AND ADDITIONAL LAYOUT INFORMATION.

SEE SIGNING PLAN SHEETS FOR SIGN BOX OUT LOCATIONS.



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PAVING DETAILS - CTH S	SHEET 41	E

2

LEGEND

- XXXXXXX SAWCUT
- HMA PAVEMENT (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
- CONCRETE PAVEMENT APPROACH SLAB AND CONCRETE PAVEMENT 8" FOR SHOULDERS
- C1 CONCRETE CURB & GUTTER 30-INCH TYPE A
- C2 CONCRETE CURB TYPE G
- C3 CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE G
- C4 CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE TBTT
- C5 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
- F1 ASPHALT FLUMES
- S1 CONCRETE SIDEWALK 5-INCH
- P1 CONCRETE PAVEMENT 10 1/2-INCH
- P2 CONCRETE PAVEMENT 10-INCH
- P3 CONCRETE PAVEMENT 8 1/2-INCH
- P4 CONCRETE PAVEMENT 8-INCH
- ADJUSTING INLETS (UNLESS OTHERWISE NOTED)
- ** END SECTION OR TRANSITION REQ'D (6' MIN)

N

B-9-69
TO REMAIN

2326+00

1378+00

2325+00

1377+00

USH 53 SB

USH 53 NB

CTH S WB

CTH S EB

STA 212+86.19'WB'
O/S 12.04' RT
953.28

STA 213+53.08'WB'
O/S 19.00' LT

STA 213+83.08'WB'
O/S 22.00' LT

STA 214+56.89'WB'
O/S 0.00'
951.89

STA 217+83.04'WB'
O/S 22.00' LT

STA 217+66.87'WB'
O/S 14.00' LT

5'

3'

4'

8'

14'

26'

REMOVING CONCRETE PAVEMENT

REMOVING CONCRETE SIDEWALK

213+00'WB'

214+00'WB'

215+00'WB'

216+00'WB'

217+00'WB'

218+00'WB'

953.54

953.19

952.79

952.39

951.99

951.60

951.27

950.97

950.70

950.47

950.26

950.10

+87

952.95

952.27

951.93

951.60

951.26

950.80

950.63

950.49

950.33

+59

TOPSOIL
(SEE EROSION CONTROL SHEETS)

STA 214+56.89'WB'
O/S 2.00' RT
951.93

STA 215+99.64'EB'
O/S 0.00'
950.96

STA 215+99.64'EB'
O/S 2.00' LT
951.00

213+00'EB'

214+00'EB'

215+00'EB'

216+00'EB'

217+00'EB'

218+00'EB'

953.28

952.61

2324+00

1376+00

STA 212+94.51'EB'
O/S 24.00' RT

STA 213+44.51'EB'
O/S 22.00' RT

STA 212+74.51'EB'
O/S 22.00' RT

STA 212+72.72'EB'
O/S 14.00' RT

STA 212+31.24'EB'
O/S 22.00' RT

STA 216+47.63'EB'
O/S 22.00' RT

STA 217+59.67'EB'
O/S 12.00' LT
950.47

B-9-56
TO REMAIN

B-9-57
TO REMAIN

2323+00

1375+00

2322+00

NOTES

RADIUS, DIMENSIONS, AND GRADES ARE SHOWN TO CURB & GUTTER FLANGELINE.

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GRADES ARE GENERALLY SHOWN AT THE END AND MID-POINTS OF CURB & GUTTER RADII UNLESS OTHERWISE NOTED.

SEE SECTION 5 PLAN SHEETS FOR GUARDRAIL TYPE AND ADDITIONAL LAYOUT INFORMATION.

SEE SIGNING PLAN SHEETS FOR SIGN BOX OUT LOCATIONS.

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PAVING DETAILS - CTH S	SHEET 42	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 09
PLOT DATE : 10/2/2023 10:33 AM
PLOT BY : AUSTIN STRAHL
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

NOTES

RADIUS, DIMENSIONS, AND GRADES ARE SHOWN TO CURB & GUTTER FLANGELINE.

GRADES ARE GENERALLY SHOWN AT 50' INTERVALS.

GRADES ARE GENERALLY SHOWN AT THE END AND MID-POINTS OF CURB & GUTTER RADII UNLESS OTHERWISE NOTED.

SEE SECTION 5 PLAN SHEETS FOR GUARDRAIL TYPE AND ADDITIONAL LAYOUT INFORMATION.

SEE SIGNING PLAN SHEETS FOR SIGN BOX OUT LOCATIONS.

LEGEND

- XXXXXXX SAWCUT
- HMA PAVEMENT (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
- CONCRETE PAVEMENT APPROACH SLAB AND CONCRETE PAVEMENT 8" FOR SHOULDERS
- C1 CONCRETE CURB & GUTTER 30-INCH TYPE A
- C2 CONCRETE CURB 6-INCH SLOPED TYPE G
- C3 CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE G
- F1 CONCRETE SURFACE DRAINS (FLUME TYPE)
- S1 5-INCH CONCRETE SIDEWALK
- P1 CONCRETE PAVEMENT 10 1/2-INCH
- P2 CONCRETE PAVEMENT 10-INCH
- P3 CONCRETE PAVEMENT 8-INCH
- P4 CONCRETE PAVEMENT 8 1/2-INCH
- ADJUSTING INLETS (UNLESS OTHERWISE NOTED)
- MOVING RAMP CLOSURE GATE CONCRETE BASES TYPE 5 REMOVING CONCRETE BASES

N

USH 53 NB/CTH S ENTRANCE

1375+00'SB'

STA 1375+49.13'SB' O/S 0.00'

STA 1375+49.13'SB' O/S 2.00' RT

STA 1375+39.31'SB' O/S 8.00' RT

STA 1375+29.13'SB' O/S 2.00' RT

STA 1375+14.31'SB' O/S 8.51' RT

STA 1374+59.62'SB' O/S 23.35' RT 948.01' (FIELD CONFIRM PRIOR TO INSTALLATION)

STA 1374+82.71'SB' O/S 19.00' LT

STA 218+84.39'WB' O/S 60.17' LT

STA 218+79.47'WB' O/S 36.50' LT

STA 218+57.20'WB' O/S 53.47' LT

STA 218+32.96'WB' O/S 24.81' LT

STA 218+57.95'WB' O/S 25.48' LT

STA 219+66.37'WB' O/S 79.83' LT

STA 219+37.05'WB' O/S 38.31' LT

STA 219+18.47'WB' O/S 62.82' LT

STA 219+66.37'WB' O/S 29.00' LT

STA 219+94.50'WB' O/S 29.00' LT

STA 220+44.50'WB' O/S 31.00' LT

STA 221+00.21'WB' O/S 25.43' LT

END GRADING STA 222+37.23'WB'

END CONSTRUCTION STA 219+55.50'WB' MATCH EXISTING

STA 219+22.29'WB' O/S 0.00'

STA 218+71.94'EB' O/S 22.00' LT 949.91

949.93

949.96

950.20

950.16

CONCRETE MEDIAN SLOPED NOSE TYPE 1

CTH S WB

220+00'WB' 221+00'WB' 222+00'WB' 223+00'WB' 224+00'WB'

219+00'WB'

219+00'EB' 220+00'EB' 221+00'EB' 222+00'EB' 223+00'EB' 224+00'EB'

CTH S EB

STA 219+46.05'EB' O/S 5.93' LT

STA 219+78.59'EB' O/S 0.00'

STA 219+22.82'EB' O/S 12.67' LT

STA 219+74.12'EB' O/S 0.20' LT

STA 219+69.68'EB' O/S 0.80' LT

STA 219+12.74'EB' O/S 14.00' RT

STA 1375+29.02'SA' O/S 74.79' RT 949.15

STA 220+67.82'EB' O/S 20.38' RT

STA 220+15.88'EB' O/S 27.22' RT

END CONSTRUCTION STA 220+92.72'EB' MATCH EXISTING

SEE DETAIL A

REMOVING CONCRETE PAVEMENT

STA 218+71.94'EB' O/S 12.00' LT 950.15

STA 218+57.75'EB' O/S 38.00' RT

STA 219+16.49'EB' O/S 25.79' RT

STA 219+17.75'EB' O/S 38.10' RT

STA 1375+27.44'SA' O/S 62.89' RT 949.15

STA 1375+14.86'SA' O/S 35.85' RT 949.26

STA 1374+89.12'SA' O/S 20.77' RT 949.55

STA 1374+77.87'SA' O/S 69.49' RT

STA 1374+72.77'SA' O/S 17.00' RT 949.68

USH 53 NB/CTH S EXIT

1375+00'SA'

1374+00'SA'

STA 1374+07.46'SA' O/S 5.00' RT

STA 1373+99.13'SA' O/S 2.00' RT

STA 1373+99.13'SA' O/S 0.00'

DETAIL A

NOTES

ALL CONCRETE NOSES ON THIS ISLAND ARE SLOPED NOSE TYPE 2.

GRADES ON DETAIL A ARE SHOWN TO CURB FLOW LINE.

CTH S EB

STA 1375+28.194'SA' O/S 6.491' RT 949.267

STA 1375+28.211'SA' O/S 16.815' RT 949.264

STA 1375+25.73'SA' O/S 6.50' RT

STA 1375+24.264'SA' O/S 18.857' RT 949.717

STA 1375+25.694'SA' O/S 4.000' RT 950.695

STA 1375+25.76'SA' O/S 16.80' RT

STA 1374+66.99'SA' O/S 99.59' RT

REMOVING PULL BOX

REMOVING CONCRETE SIDEWALK

REMOVING CONCRETE PAVEMENT

STA 1375+02.29'SA' O/S 5.50' RT

STA 1375+02.285'SA' O/S 4.000' RT 950.002

STA 1375+01.758'SA' O/S 6.904' RT 949.917

USH 53 NB/ CTH S EXIT

1375+00'SA'

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PAVING DETAILS - CTH S	SHEET 43	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 10

PLOT DATE : 10/2/2023 11:41 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

XXXXXXX	SAWCUT
	HMA PAVEMENT (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
	CONCRETE PAVEMENT APPROACH SLAB AND CONCRETE PAVEMENT 8" FOR SHOULDERS
C1	CONCRETE CURB & GUTTER 30-INCH TYPE A
C2	CONCRETE CURB TYPE G
C3	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE G
C4	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE TBTT
C5	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
F1	ASPHALT FLUMES
S1	CONCRETE SIDEWALK 5-INCH
P1	CONCRETE PAVEMENT 10 1/2-INCH
P2	CONCRETE PAVEMENT 10-INCH
P3	CONCRETE PAVEMENT 8 1/2-INCH
P4	CONCRETE PAVEMENT 8-INCH
■	ADJUSTING INLETS (UNLESS OTHERWISE NOTED)
**	END SECTION OR TRANSITION REQ'D (6' MIN)

NOTES

RADIUS, DIMENSIONS, AND GRADES ARE SHOWN TO CURB & GUTTER FLANGELINE.

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SEE SECTION 5 PLAN SHEETS FOR GUARDRAIL TYPE AND ADDITIONAL LAYOUT INFORMATION.

SEE SIGNING PLAN SHEETS FOR SIGN BOX OUT LOCATIONS.

N

307+00

308+00

309+00

310+00

CTH B

END PAVEMENT REPLACEMENT
STA 2456+59'BD'

END CONSTRUCTION
STA 2457+18'BD'

2458+00'BD'

USH 53 SB/CTH B ENTRANCE

2457+00'BD'

2456+00'BD'

P3

15'

5'

3'

5'

3'

SEE RAMP TRANSITION DETAIL

REMOVING CONCRETE PAVEMENT

BEGIN CONSTRUCTION
STA 2459+52'BC'

BEGIN PAVEMENT REPLACEMENT
STA 2460+41'BC'

STA 2460+25.57'BC'
O/S 5.00' LT

2459+00'BC'

USH 53 SB/CTH B EXIT

2460+00'BC'

3'

5'

15'

2461+00'BC'

P3

5'

SEE RAMP TRANSITION DETAIL

REMOVING CONCRETE PAVEMENT

B-9-59
(TO REMAIN)

2

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PAVING DETAILS - CTH B	SHEET 44	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 11

PLOT DATE : 10/2/2023 10:35 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

XXXXXXX	SAWCUT
	HMA PAVEMENT (SEE TYPICAL SECTIONS FOR HMA TYPE AND DEPTH)
	CONCRETE PAVEMENT APPROACH SLAB AND CONCRETE PAVEMENT 8" FOR SHOULDERS
C1	CONCRETE CURB & GUTTER 30-INCH TYPE A
C2	CONCRETE CURB TYPE G
C3	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE G
C4	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE TBTT
C5	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
F1	ASPHALT FLUMES
S1	CONCRETE SIDEWALK 5-INCH
P1	CONCRETE PAVEMENT 10 1/2-INCH
P2	CONCRETE PAVEMENT 10-INCH
P3	CONCRETE PAVEMENT 8 1/2-INCH
P4	CONCRETE PAVEMENT 8-INCH
■	ADJUSTING INLETS (UNLESS OTHERWISE NOTED)
**	END SECTION OR TRANSITION REQ'D (6' MIN)

NOTES

RADIUS, DIMENSIONS, AND GRADES ARE SHOWN TO CURB & GUTTER FLANGELINE.

GRADES ARE GENERALLY SHOWN AT 50' INTERVALS.

GRADES ARE GENERALLY SHOWN AT THE END AND MID-POINTS OF CURB & GUTTER RADII UNLESS OTHERWISE NOTED.

SEE SECTION 5 PLAN SHEETS FOR GUARDRAIL TYPE AND ADDITIONAL LAYOUT INFORMATION.

SEE SIGNING PLAN SHEETS FOR SIGN BOX OUT LOCATIONS.

N

B-9-59
(TO REMAIN)

SS

313+00

314+00

315+00

316+00

CTH B

1508+00'BA'

5'

3'

15'

P3

REMOVING CONCRETE PAVEMENT

1509+00'BA'

END CONSTRUCTION
STA 1509+94'BA'

END PAVEMENT REPLACEMENT
STA 1509+08'BA'

SEE RAMP TRANSITION DETAIL

1510+00'BA'

USH 53 NB/CTH B EXIT

1511+00'BA'

BEGIN PAVEMENT REPLACEMENT
STA 1512+03'BB'

1513+00'BB'

BEGIN CONSTRUCTION
STA 1511+25'BB'

1512+00'BB'

USH 53 NB/CTH B ENTRANCE

1511+00'BB'

REMOVING CONCRETE PAVEMENT

SEE RAMP TRANSITION DETAIL

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PAVING DETAILS - CTH B	SHEET 45	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 12

PLOT DATE : 10/2/2023 10:35 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

USH 53 SB/STH 29 ENTRANCE

USH 53 SB

USH 53 NB

USH 53 SB/STH 29 EXIT

TYPE A & D

SOUTH PROJECT LIMIT
TEMPORARY CROSSOVER

2060 2062 2064 2066 2068 2070 2072 2074

1114 1116 1118 1120 1122 1124 1126 1128

LEGEND

- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)

NOTES

* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

** INSTALL EROSION BALES DIRECTLY ADJACENT TO SILT FENCE ON THE NON-FLOW SIDE FOR SILT FENCE REINFORCEMENT. EROSION BALE INSTALLATION LENGTH IS 20' FOR EACH LOCATION OR AS DIRECTED BY THE ENGINEER. SEE DETAIL OF EROSION BALES FOR SHEET FLOW IN SDD "TYPICAL INSTALLATIONS OF EROSION BALES/TEMPORARY DITCH CHECKS" FOR ADDITIONAL INFORMATION.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT OR MULCH. AGGREGATE SLOPES SHALL BE FERTILIZED AND SEEDED.

SEE TRAFFIC CONTROL SHEETS AND SECTION 5 PLAN SHEETS FOR TEMPORARY CROSSOVERS AND ASSOCIATED TEMPORARY DRAINAGE ITEMS.

R/W

SEE CONSTRUCTION DETAILS FOR EROSION CONTROL AT TEMPORARY GUARDRAIL INSTALLED IN STAGE 1B

40TH AVE

SIGN

USH 53 SB

USH 53 NB

2076 2078 2080 2082 2084 2086 2088 2090

1128 1130 1132 1134 1136 1138 1140 1142

SOUTH PROJECT LIMIT
TEMPORARY CROSSOVER

CULVERT PIPE REPLACED IN LATER STAGE

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL - STAGE 1A - TEMP CROSSOVER - SOUTH PROJECT LIMIT	SHEET 46	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 01

PLOT DATE : 6/28/2021 11:34 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

R/W

SIGN

R/W

N

POST

POST

2234 2236 2238 2240 2242 2244 2246 2248

USH 53 SB

1286 1288 1290 1292 1294 1296 1298 1300

USH 53 NB

POST

MID PROJECT TEMPORARY CROSSOVER

TYPE A & D

R/W

R/W

LEGEND

- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)

NOTES

* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

** INSTALL EROSION BALES DIRECTLY ADJACENT TO SILT FENCE ON THE NON-FLOW SIDE FOR SILT FENCE REINFORCEMENT. EROSION BALE INSTALLATION LENGTH IS 20' FOR EACH LOCATION OR AS DIRECTED BY THE ENGINEER. SEE DETAIL OF EROSION BALES FOR SHEET FLOW IN SDD "TYPICAL INSTALLATIONS OF EROSION BALES/TEMPORARY DITCH CHECKS" FOR ADDITIONAL INFORMATION.

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SEE TRAFFIC CONTROL SHEETS AND SECTION 5 PLAN SHEETS FOR TEMPORARY CROSSOVERS AND ASSOCIATED TEMPORARY DRAINAGE ITEMS.

R/W

N

R/W

MID PROJECT TEMPORARY CROSSOVER

2250 2252 2254 2256 2258 2260 2262 2264

USH 53 SB

1302 1304 1306 1308 1310 1312 1314 1316

USH 53 NB

POST

R/W

R/W

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL - STAGE 1A TEMP CROSSOVER - MID PROJECT - 1	SHEET 47	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 02

PLOT DATE : 6/28/2021 11:36 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

R/W

CTH S EXIT RAMP TEMPORARY CROSSOVER

TYPE A & D

POSTS

USH 53 SB

2290 2292 2294 2296 2298 2300 2302 2304

2300'SD' 2302'SD' 2304'SD'

USH 53 NB

1342 1344 1346 1348 1350 1352 1354 1356

1356'SA'

POST

POSTS

R/W

SIGN SIGN

N

LEGEND

- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)

NOTES

* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

** INSTALL EROSION BALES DIRECTLY ADJACENT TO SILT FENCE ON THE NON-FLOW SIDE FOR SILT FENCE REINFORCEMENT. EROSION BALE INSTALLATION LENGTH IS 20' FOR EACH LOCATION OR AS DIRECTED BY THE ENGINEER. SEE DETAIL OF EROSION BALES FOR SHEET FLOW IN SDD "TYPICAL INSTALLATIONS OF EROSION BALES/TEMPORARY DITCH CHECKS" FOR ADDITIONAL INFORMATION.

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SEE TRAFFIC CONTROL SHEETS AND SECTION 5 PLAN SHEETS FOR TEMPORARY CROSSOVERS AND ASSOCIATED TEMPORARY DRAINAGE ITEMS.

R/W

2316'SD'

N

CTH S EXIT RAMP TEMPORARY CROSSOVER

CTH S EXIT RAMP TEMPORARY CROSSOVER INSTALLED IN FUTURE STAGE

2314'SD'

2312'SD'

USH 53 SB/CTH S ENTRANCE

UNNAMED CREEK

2304'SD' 2306'SD' 2308'SD' 2310'SD'

2304 2306 2308 2310 2312 2314 2316 2318

USH 53 SB

1356 1358 1360 1362 1364 1366 1368 1370

1356'SA' 1358'SA' 1360'SA' 1362'SA' 1364'SA' 1366'SA' 1368'SA' 1370'SA'

USH 53 NB

USH 53 NB/CTH S EXIT

TYPE A & D

TEMPORARY STORM SEWER INSTALLED IN FUTURE STAGE

CTH S EXIT RAMP TEMPORARY CROSSOVER INSTALLED IN FUTURE STAGE

POST

R/W

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL - STAGE 1A - TEMP CROSSOVER - USH 53 NB/CTH S EXIT	SHEET 48	E

2

2

R/W

2334'SC'

USH 53 SB/CTH S EXIT

2336'SC'

2338'SC'

2340'SC'

2342'SC'

2344'SC'

CTH S ENTRANCE RAMP TEMPORARY CROSSOVER
INSTALLED IN FUTURE STAGE

TYPE A & D

CTH S ENTRANCE RAMP TEMPORARY CROSSOVER

POST

2334 2336 2338 2340 2342 2344 2346

USH 53 SB

CTH S ENTRANCE RAMP TEMPORARY CROSSOVER
INSTALLED IN FUTURE STAGE

1386 1388 1390 1392 1394 1396 1398 1400

USH 53 NB

1390'SB'

1392'SB'

1394'SB'

1396'SB'

1398'SB'

1400'SB'

1388'SB'

USH 53 NB/CTH S ENTRANCE

1386'SB'

R/W

R/W

R/W

R/W

LEGEND

- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)

NOTES

* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

** INSTALL EROSION BALES DIRECTLY ADJACENT TO SILT FENCE ON THE NON-FLOW SIDE FOR SILT FENCE REINFORCEMENT. EROSION BALE INSTALLATION LENGTH IS 20' FOR EACH LOCATION OR AS DIRECTED BY THE ENGINEER. SEE DETAIL OF EROSION BALES FOR SHEET FLOW IN SDD "TYPICAL INSTALLATIONS OF EROSION BALES/TEMPORARY DITCH CHECKS" FOR ADDITIONAL INFORMATION.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT OR MULCH. AGGREGATE SLOPES SHALL BE FERTILIZED AND SEEDED.

SEE TRAFFIC CONTROL SHEETS AND SECTION 5 PLAN SHEETS FOR TEMPORARY CROSSOVERS AND ASSOCIATED TEMPORARY DRAINAGE ITEMS.

R/W

R/W

R/W

CTH S ENTRANCE RAMP TEMPORARY CROSSOVER

2348 2350 2352 2354 2356 2358 2360 2362

USH 53 SB

1400 1402 1404 1406 1408 1410 1412 1414

USH 53 NB

1400'SB'

1402'SB'

TYPE A & D

R/W

R/W

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL - STAGE 1A - TEMP CROSSOVER - USH 53 NB/CTH S ENTRANCE	SHEET 49	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 04

PLOT DATE : 6/28/2021 11:39 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)

NOTES

* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

** INSTALL EROSION BALES DIRECTLY ADJACENT TO SILT FENCE ON THE NON-FLOW SIDE FOR SILT FENCE REINFORCEMENT. EROSION BALE INSTALLATION LENGTH IS 20' FOR EACH LOCATION OR AS DIRECTED BY THE ENGINEER. SEE DETAIL OF EROSION BALES FOR SHEET FLOW IN SDD "TYPICAL INSTALLATIONS OF EROSION BALES/TEMPORARY DITCH CHECKS" FOR ADDITIONAL INFORMATION.

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SEE TRAFFIC CONTROL SHEETS AND SECTION 5 PLAN SHEETS FOR TEMPORARY CROSSOVERS AND ASSOCIATED TEMPORARY DRAINAGE ITEMS.

N

R/W

CTH B EXIT RAMP TEMPORARY CROSSOVER

TYPE A & D

2438'BD' 2440'BD' 2442'BD' 2444'BD'

2430 2432 2434 USH 53 SB 2436 2438 2440 2442 2444

1482 1484 1486 1488 1490 1492 1494 1496

USH 53 NB

1494'BA' 1496'BA'

POST

R/W

SIGN

FOOTBRIDGES

PERM EASE

A/C

T

N

R/W

2456'BD' 2454'BD' 2452'BD' 2450'BD' 2448'BD' 2446'BD' 2444'BD'

USH 53 SB/CTH B ENTRANCE

TYPE A & D

2444 2446 2448 2450 2452 2454 2456 USH 53 SB 2458

1496 1498 1500 1502 1504 1506 1508 1510

USH 53 NB

1496'BA' 1498'BA' 1500'BA' 1502'BA' 1504'BA' 1506'BA' 1508'BA'

USH 53 NB/CTH B EXIT

CTH B

R/W

CTH B EXIT RAMP TEMPORARY CROSSOVER INSTALLED IN FUTURE STAGE

CTH B EXIT RAMP TEMPORARY CROSSOVER INSTALLED IN FUTURE STAGE

CTH B EXIT RAMP TEMPORARY CROSSOVER INSTALLED IN FUTURE STAGE

R/W

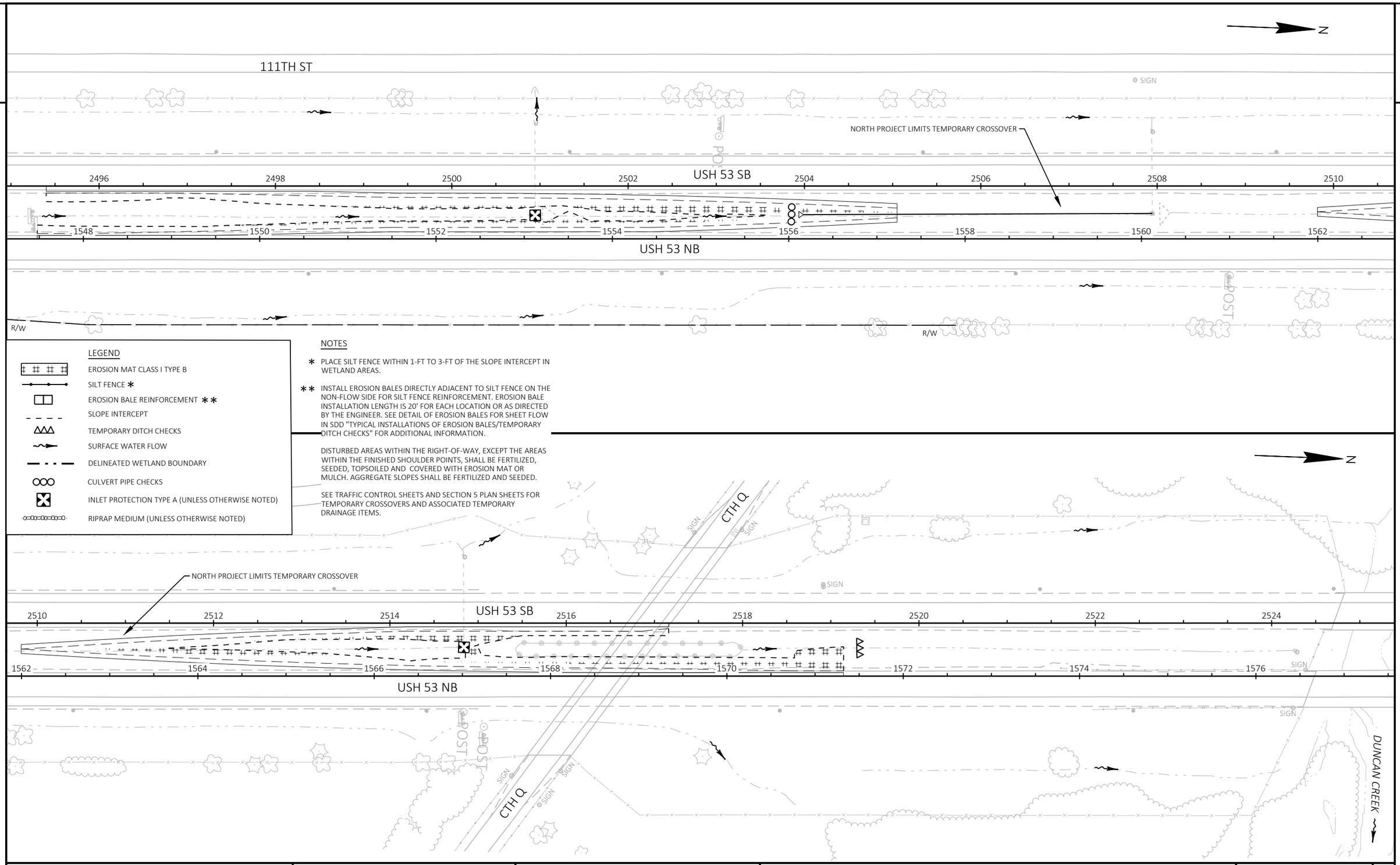
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL - STAGE 1A - TEMP CROSSOVER - USH 53 NB/CTH B EXIT	SHEET 50	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 05

PLOT DATE : 6/28/2021 11:41 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL - STAGE 1A - TEMP CROSSOVER - NORTH PROJECT LIMIT	SHEET 51	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 06

PLOT DATE : 6/28/2021 11:43 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

R/W

INSTALLED IN STAGE 1
MAINTAIN FOR FUTURE STAGES

POST

MID PROJECT TEMPORARY CROSSOVER

SIGN

R/W

N

USH 53 SB

USH 53 NB

POST

R/W

R/W

N

R/W

R/W

INSTALLED IN STAGE 1
MAINTAIN FOR FUTURE STAGES

USH 53 SB

USH 53 NB

POST

R/W

R/W

LEGEND

- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)

NOTES

* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

** INSTALL EROSION BALES DIRECTLY ADJACENT TO SILT FENCE ON THE NON-FLOW SIDE FOR SILT FENCE REINFORCEMENT. EROSION BALE INSTALLATION LENGTH IS 20' FOR EACH LOCATION OR AS DIRECTED BY THE ENGINEER. SEE DETAIL OF EROSION BALES FOR SHEET FLOW IN SDD "TYPICAL INSTALLATIONS OF EROSION BALES/TEMPORARY DITCH CHECKS" FOR ADDITIONAL INFORMATION.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT OR MULCH. AGGREGATE SLOPES SHALL BE FERTILIZED AND SEEDED.

SEE TRAFFIC CONTROL SHEETS AND SECTION 5 PLAN SHEETS FOR TEMPORARY CROSSOVERS AND ASSOCIATED TEMPORARY DRAINAGE ITEMS.

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL - STAGE 4 - TEMP CROSSOVER - MID PROJECT - 2/3	SHEET 52	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\022002-EC.DWG
LAYOUT NAME - 01

PLOT DATE : 6/28/2021 11:48 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

WCL RR

USH 53 SB/STH 29 ENTRANCE

USH 53 SB

2058 2060 2062 2064 2066 2068 2070 2072

USH 53 NB

1112 1114 1116 1118 1120 1122 1124 1126

SOUTH PROJECT LIMIT
TEMPORARY CROSSOVER

R/W

LEGEND

- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)

NOTES

* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

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SEE TRAFFIC CONTROL SHEETS AND SECTION 5 PLAN SHEETS FOR TEMPORARY CROSSOVERS AND ASSOCIATED TEMPORARY DRAINAGE ITEMS.

R/W

INSTALLED IN STAGE 1
MAINTAIN FOR FUTURE STAGES

SEE CONSTRUCTION DETAILS
FOR EROSION CONTROL
AT TEMPORARY GUARDRAIL
INSTALLED IN STAGE 1B

40TH AVE

USH 53 SB/STH 29 EXIT

USH 53 SB

2074 2076 2078 2080 2082 2084 2086 2088

USH 53 NB

1126 1128 1130 1132 1134 1136 1138 1140

TYPE A & D

SOUTH PROJECT LIMIT
TEMPORARY CROSSOVER

INSTALLED IN STAGE 1
MAINTAIN FOR FUTURE STAGES

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL - STAGE 6B - TEMP CROSSOVER - SOUTH PROJECT LIMIT	SHEET 53	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\022003-EC.DWG
LAYOUT NAME - 01

PLOT DATE : 6/28/2021 11:44 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

N

BRANCH CHIPPEWA RIVER

R/W

R/W

BUS 29/CTH X EXIT RAMP
TEMPORARY CROSSOVER

2184'XC'

USH 53 SB

2184 2186 2188 2190 2192 2194 2196 2198

1236 1238 1240 1242 1244 1246 1248 1250

USH 53 NB

1236'XB' 1238'XB' 1240'XB' 1242'XB'

R/W

R/W

LEGEND

- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)

NOTES

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SEE TRAFFIC CONTROL SHEETS AND SECTION 5 PLAN SHEETS FOR TEMPORARY CROSSOVERS AND ASSOCIATED TEMPORARY DRAINAGE ITEMS.

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL - STAGE 6B - TEMP CROSSOVER - USH 53 SB/BUS 29 EXIT	SHEET 54	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\022003-EC.DWG
LAYOUT NAME - 02

PLOT DATE : 6/28/2021 11:44 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

R/W

N

R/W

TYPE A & D

POSTS

2300'SD'

2300

2286 2288 2290 2292 USH 53 SB 2294 2296 2298

1338 1340 1342 1344 1346 1348 1350 1352

USH 53 NB

CTH S ENTRANCE RAMP TEMPORARY CROSSOVER

POSTS

R/W

SIGN SIGN

LEGEND

- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)

NOTES

* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

** INSTALL EROSION BALES DIRECTLY ADJACENT TO SILT FENCE ON THE NON-FLOW SIDE FOR SILT FENCE REINFORCEMENT. EROSION BALE INSTALLATION LENGTH IS 20' FOR EACH LOCATION OR AS DIRECTED BY THE ENGINEER. SEE DETAIL OF EROSION BALES FOR SHEET FLOW IN SDD "TYPICAL INSTALLATIONS OF EROSION BALES/TEMPORARY DITCH CHECKS" FOR ADDITIONAL INFORMATION.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT OR MULCH. AGGREGATE SLOPES SHALL BE FERTILIZED AND SEEDED.

SEE TRAFFIC CONTROL SHEETS AND SECTION 5 PLAN SHEETS FOR TEMPORARY CROSSOVERS AND ASSOCIATED TEMPORARY DRAINAGE ITEMS.

R/W

R/W

N

CTH S ENTRANCE RAMP TEMPORARY CROSSOVER INSTALLED IN STAGE 2B MAINTAIN FOR FUTURE STAGES

CTH S ENTRANCE RAMP TEMPORARY CROSSOVER INSTALLED IN FUTURE STAGE

UNNAMED CREEK

2314'SD'

USH 53 SB/CTH S ENTRANCE

2300'SD' 2302'SD' 2304'SD' 2306'SD' 2308'SD' 2310'SD' 2312'SD'

2300 2302 2304 2306 2308 2310 2312 2314

USH 53 SB

1352 1354 1356 1358 1360 1362 1364 1366

1356'SA' 1358'SA' 1360'SA' 1362'SA' 1364'SA' 1366'SA'

USH 53 NB

USH 53 NB/CTH S EXIT

CTH S ENTRANCE RAMP TEMPORARY CROSSOVER

TYPE A & D

POST

R/W

R/W

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL - STAGE 6B - TEMP CROSSOVER - USH 53 SB/CTH S ENTRANCE	SHEET 55	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\022003-EC.DWG
LAYOUT NAME - 03

PLOT DATE : 6/28/2021 11:46 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

USH 53 SB/CTH S EXIT

2334'SC'

2336'SC'

2338'SC'

2340'SC'

2342'SC'

2344'SC'

R/W

CTH B EXIT RAMP TEMPORARY CROSSOVER INSTALLED IN FUTURE STAGE

TYPE A & D

CTH B EXIT RAMP TEMPORARY CROSSOVER INSTALLED IN STAGE 2C MAINTAIN FOR FUTURE STAGES

INSTALLED IN STAGE 1 MAINTAIN FOR FUTURE STAGES

POSTS

2334 2336 2338 2340 2342 USH 53 SB 2344 2346

1386 1388 1390 1392 1394 1396 1398 1400

USH 53 NB

1390'SB' 1392'SB' 1394'SB' 1396'SB' 1398'SB' 1400'SB'

1388'SB'

ENTRANCE

USH 53 NB/CTH S

1386'SB'

INSTALLED IN STAGE 1 MAINTAIN FOR FUTURE STAGES

CTH B EXIT RAMP TEMPORARY CROSSOVER INSTALLED IN FUTURE STAGE

CTH B EXIT RAMP TEMPORARY CROSSOVER

R/W

LEGEND

- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)

NOTES

* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

** INSTALL EROSION BALES DIRECTLY ADJACENT TO SILT FENCE ON THE NON-FLOW SIDE FOR SILT FENCE REINFORCEMENT. EROSION BALE INSTALLATION LENGTH IS 20' FOR EACH LOCATION OR AS DIRECTED BY THE ENGINEER. SEE DETAIL OF EROSION BALES FOR SHEET FLOW IN SDD "TYPICAL INSTALLATIONS OF EROSION BALES/TEMPORARY DITCH CHECKS" FOR ADDITIONAL INFORMATION.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT OR MULCH. AGGREGATE SLOPES SHALL BE FERTILIZED AND SEEDED.

SEE TRAFFIC CONTROL SHEETS AND SECTION 5 PLAN SHEETS FOR TEMPORARY CROSSOVERS AND ASSOCIATED TEMPORARY DRAINAGE ITEMS.

R/W

R/W

R/W

R/W

INSTALLED IN STAGE 1 MAINTAIN FOR FUTURE STAGES

TYPE A & D

2348 2350 2352 2354 USH 53 SB 2356 2358 2360 2362

1400 1402 1404 1406 1408 1410 1412 1414

USH 53 NB

1400'SB' 1402'SB'

CTH B EXIT RAMP TEMPORARY CROSSOVER

R/W

R/W

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL - STAGE 6B - TEMP CROSSOVER - USH 53 SB/CTH S EXIT	SHEET 56	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\022003-EC.DWG
LAYOUT NAME - 04

PLOT DATE : 6/28/2021 11:48 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

R/W

SIGN

R/W

N

INSTALLED IN STAGE 1
MAINTAIN FOR FUTURE STAGES

MID PROJECT TEMPORARY CROSSOVER

POST

POST

2234 2236 2238 2240 2242 2244 2246 2248

USH 53 SB

1286 1288 1290 1292 1294 1296 1298 1300

USH 53 NB

POST

TYPE A & D

R/W

R/W

LEGEND

- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)

NOTES

* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

** INSTALL EROSION BALES DIRECTLY ADJACENT TO SILT FENCE ON THE NON-FLOW SIDE FOR SILT FENCE REINFORCEMENT. EROSION BALE INSTALLATION LENGTH IS 20' FOR EACH LOCATION OR AS DIRECTED BY THE ENGINEER. SEE DETAIL OF EROSION BALES FOR SHEET FLOW IN SDD "TYPICAL INSTALLATIONS OF EROSION BALES/TEMPORARY DITCH CHECKS" FOR ADDITIONAL INFORMATION.

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SEE TRAFFIC CONTROL SHEETS AND SECTION 5 PLAN SHEETS FOR TEMPORARY CROSSOVERS AND ASSOCIATED TEMPORARY DRAINAGE ITEMS.

R/W

R/W

N

INSTALLED IN STAGE 1
MAINTAIN FOR FUTURE STAGES

MID PROJECT TEMPORARY CROSSOVER

2250 2252 2254 2256 2258 2260 2262

USH 53 SB

1302 1304 1306 1308 1310 1312 1314

USH 53 NB

POST

R/W

R/W

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL - STAGE 9 - TEMP CROSSOVER - MID PROJECT - 3	SHEET 57	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\022004-EC.DWG
LAYOUT NAME - 01

PLOT DATE : 6/28/2021 11:53 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

NOTE
THESE SHEETS SHOW EROSION CONTROL TO BE INSTALLED FOR ULTIMATE CONSTRUCTION IN STAGES 2-11.

LEGEND

- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- SMALL ANIMAL TURN AROUND
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- PERMITTED WETLAND IMPACTS
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)

NOTES

* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

** INSTALL EROSION BALES DIRECTLY ADJACENT TO SILT FENCE ON THE NON-FLOW SIDE FOR SILT FENCE REINFORCEMENT. EROSION BALE INSTALLATION LENGTH IS 20' FOR EACH LOCATION OR AS DIRECTED BY THE ENGINEER. SEE DETAIL OF EROSION BALES FOR SHEET FLOW IN SDD "TYPICAL INSTALLATIONS OF EROSION BALES/TEMPORARY DITCH CHECKS" FOR ADDITIONAL INFORMATION.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT OR MULCH. AGGREGATE SLOPES SHALL BE FERTILIZED AND SEEDED.

WCL RR

USH 53 SB/STH 29 ENTRANCE

USH 53 SB

USH 53 NB

USH 53 SB/STH 29 EXIT

40TH AVE

INSTALLED IN STAGE 1
MAINTAIN FOR FUTURE STAGES

INSTALLED IN STAGE 1
MAINTAIN FOR FUTURE STAGES

R/W

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL	SHEET 58	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\022005-EC.DWG
LAYOUT NAME - 01

PLOT DATE : 7/15/2021 3:29 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

INSTALLED IN STAGE 1
MAINTAIN FOR FUTURE STAGES

USH 53 SB

USH 53 NB

2088 2090 2092 2094 2096 2098 2100 2102

1140 1142 1144 1146 1148 1150 1152 1154

2104 2106 2108 2110 2112 2114 2116 2118

1156 1158 1160 1162 1164 1166 1168 1170

R/W

N

SIGN

TOWER

SEPV

POST

SDD

UNNAMED OPEN WATER

LEGEND

- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- SMALL ANIMAL TURN AROUND
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- PERMITTED WETLAND IMPACTS
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)

NOTES

* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

** INSTALL EROSION BALES DIRECTLY ADJACENT TO SILT FENCE ON THE NON-FLOW SIDE FOR SILT FENCE REINFORCEMENT. EROSION BALE INSTALLATION LENGTH IS 20' FOR EACH LOCATION OR AS DIRECTED BY THE ENGINEER. SEE DETAIL OF EROSION BALES FOR SHEET FLOW IN SDD "TYPICAL INSTALLATIONS OF EROSION BALES/TEMPORARY DITCH CHECKS" FOR ADDITIONAL INFORMATION.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT OR MULCH. AGGREGATE SLOPES SHALL BE FERTILIZED AND SEEDED.

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL	SHEET 59	E

2

2

N

R/W

USH 53 SB

2118 2120 2122 2124 2126 2128 2130 2132

USH 53 NB

1170 1172 1174 1176 1178 1180 1182 1184

QUARRY

SIGN

LEGEND

- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- SMALL ANIMAL TURN AROUND
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- PERMITTED WETLAND IMPACTS
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)

NOTES

* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

** INSTALL EROSION BALES DIRECTLY ADJACENT TO SILT FENCE ON THE NON-FLOW SIDE FOR SILT FENCE REINFORCEMENT. EROSION BALE INSTALLATION LENGTH IS 20' FOR EACH LOCATION OR AS DIRECTED BY THE ENGINEER. SEE DETAIL OF EROSION BALES FOR SHEET FLOW IN SDD "TYPICAL INSTALLATIONS OF EROSION BALES/TEMPORARY DITCH CHECKS" FOR ADDITIONAL INFORMATION.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT OR MULCH. AGGREGATE SLOPES SHALL BE FERTILIZED AND SEEDED.

INSTALLED IN STAGE 1
MAINTAIN FOR FUTURE STAGES

RIPRAP MEDIUM
5' X 11'
(SEE CONSTRUCTION DETAILS)

50TH AVE

USH 53 SB

2134 2136 2138 2140 2142 2144 2146 2148

USH 53 NB

1186 1188 1190 1192 1194 1196 1198 1200

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL	SHEET 60	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\022005-EC.DWG
LAYOUT NAME - 03
PLOT DATE : 7/15/2021 3:32 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

2

LEGEND

- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- SMALL ANIMAL TURN AROUND
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- PERMITTED WETLAND IMPACTS
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)

NOTES

* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

** INSTALL EROSION BALES DIRECTLY ADJACENT TO SILT FENCE ON THE NON-FLOW SIDE FOR SILT FENCE REINFORCEMENT. EROSION BALE INSTALLATION LENGTH IS 20' FOR EACH LOCATION OR AS DIRECTED BY THE ENGINEER. SEE DETAIL OF EROSION BALES FOR SHEET FLOW IN SDD "TYPICAL INSTALLATIONS OF EROSION BALES/TEMPORARY DITCH CHECKS" FOR ADDITIONAL INFORMATION.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT OR MULCH. AGGREGATE SLOPES SHALL BE FERTILIZED AND SEEDED.

N

R/W

SIGN

INSTALLED IN STAGE 1
MAINTAIN FOR FUTURE STAGES

RIPRAP MEDIUM
6' X 11'
(SEE CONSTRUCTION DETAILS)

RIPRAP MEDIUM
6' X 13'
(SEE CONSTRUCTION DETAILS)

2162'XD'

2148 2150 2152 USH 53 SB 2154 2156 2158 2160 2162

1200 1202 1204 1206 USH 53 NB 1208 1210 1212 1214

POST

RIPRAP MEDIUM
6' X 15'
(SEE CONSTRUCTION DETAILS)

RIPRAP MEDIUM
6' X 11'
(SEE CONSTRUCTION DETAILS)

CHIPPEWA RIVER

R/W

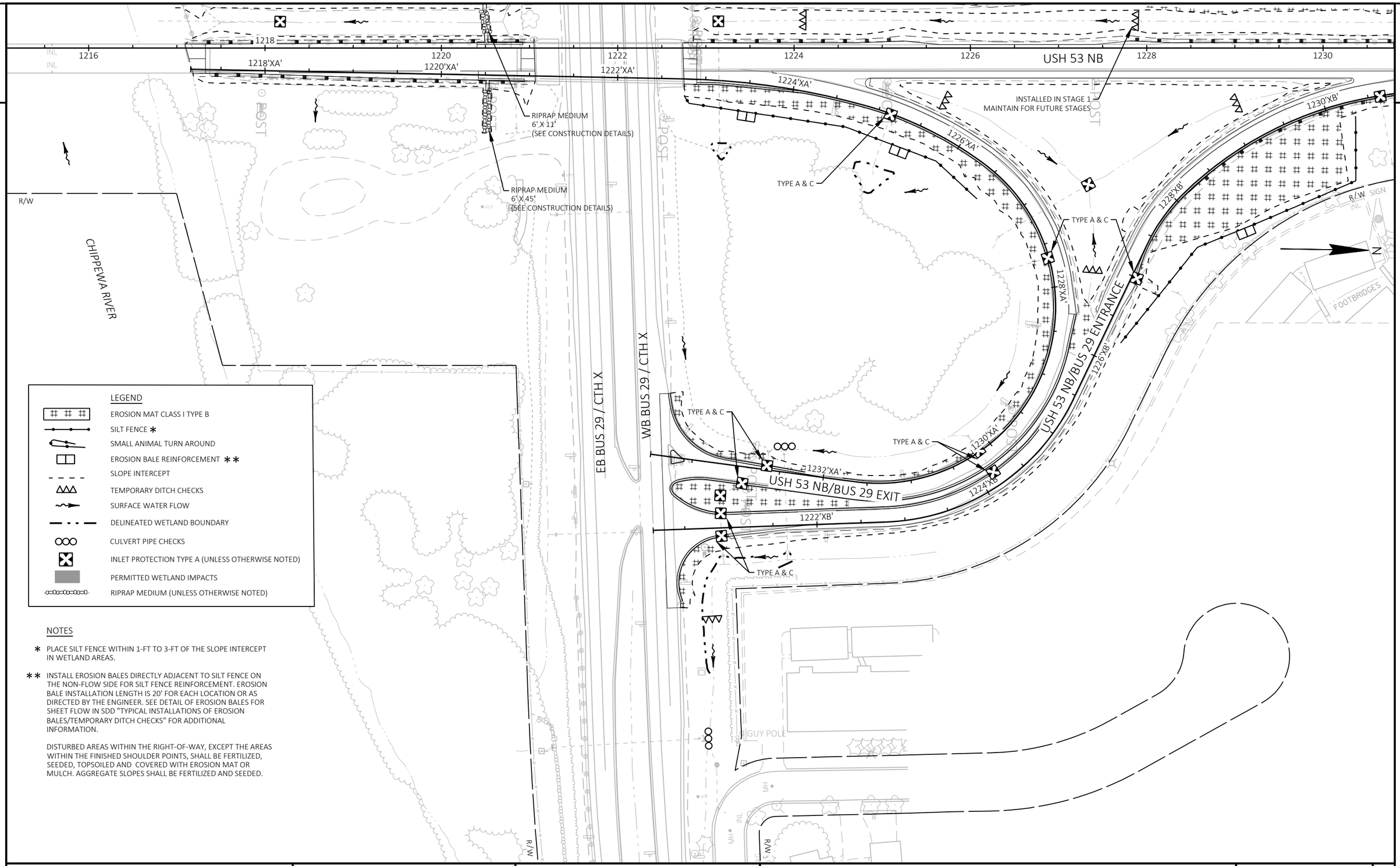
R/W

SIGN

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL	SHEET 61	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\022005-EC.DWG
LAYOUT NAME - 04

PLOT DATE : 7/15/2021 3:33 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT



LEGEND

- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- SMALL ANIMAL TURN AROUND
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- PERMITTED WETLAND IMPACTS
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)

NOTES

* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

** INSTALL EROSION BALES DIRECTLY ADJACENT TO SILT FENCE ON THE NON-FLOW SIDE FOR SILT FENCE REINFORCEMENT. EROSION BALE INSTALLATION LENGTH IS 20' FOR EACH LOCATION OR AS DIRECTED BY THE ENGINEER. SEE DETAIL OF EROSION BALES FOR SHEET FLOW IN SDD "TYPICAL INSTALLATIONS OF EROSION BALES/TEMPORARY DITCH CHECKS" FOR ADDITIONAL INFORMATION.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT OR MULCH. AGGREGATE SLOPES SHALL BE FERTILIZED AND SEEDED.

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL	SHEET 62	E

2

LEGEND

- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- SMALL ANIMAL TURN AROUND
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- PERMITTED WETLAND IMPACTS
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)

NOTES

* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

** INSTALL EROSION BALES DIRECTLY ADJACENT TO SILT FENCE ON THE NON-FLOW SIDE FOR SILT FENCE REINFORCEMENT. EROSION BALE INSTALLATION LENGTH IS 20' FOR EACH LOCATION OR AS DIRECTED BY THE ENGINEER. SEE DETAIL OF EROSION BALES FOR SHEET FLOW IN SDD "TYPICAL INSTALLATIONS OF EROSION BALES/TEMPORARY DITCH CHECKS" FOR ADDITIONAL INFORMATION.

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N

R/W

TYPE A & C

2168'XC'

2170'XC'

2172'XC'

2174'XC'

2176'XC'

2178'XC'

USH 53 SB/BUS 29

2180'XD'

2178'XD'

2176'XD'

2174'XD'

2172'XD'

2170'XD'

2168'XD'

2166'XD'

2164'XD'

ENTRANCE

USH 53 SB/BUS 29 EXIT

EB BUS 29 / CTH X

WB BUS 29 / CTH X

RIPRAP MEDIUM
6' X 58'

RIPRAP MEDIUM
6' X 11'

INSTALLED IN STAGE 1
MAINTAIN FOR FUTURE STAGES

USH 53 SB

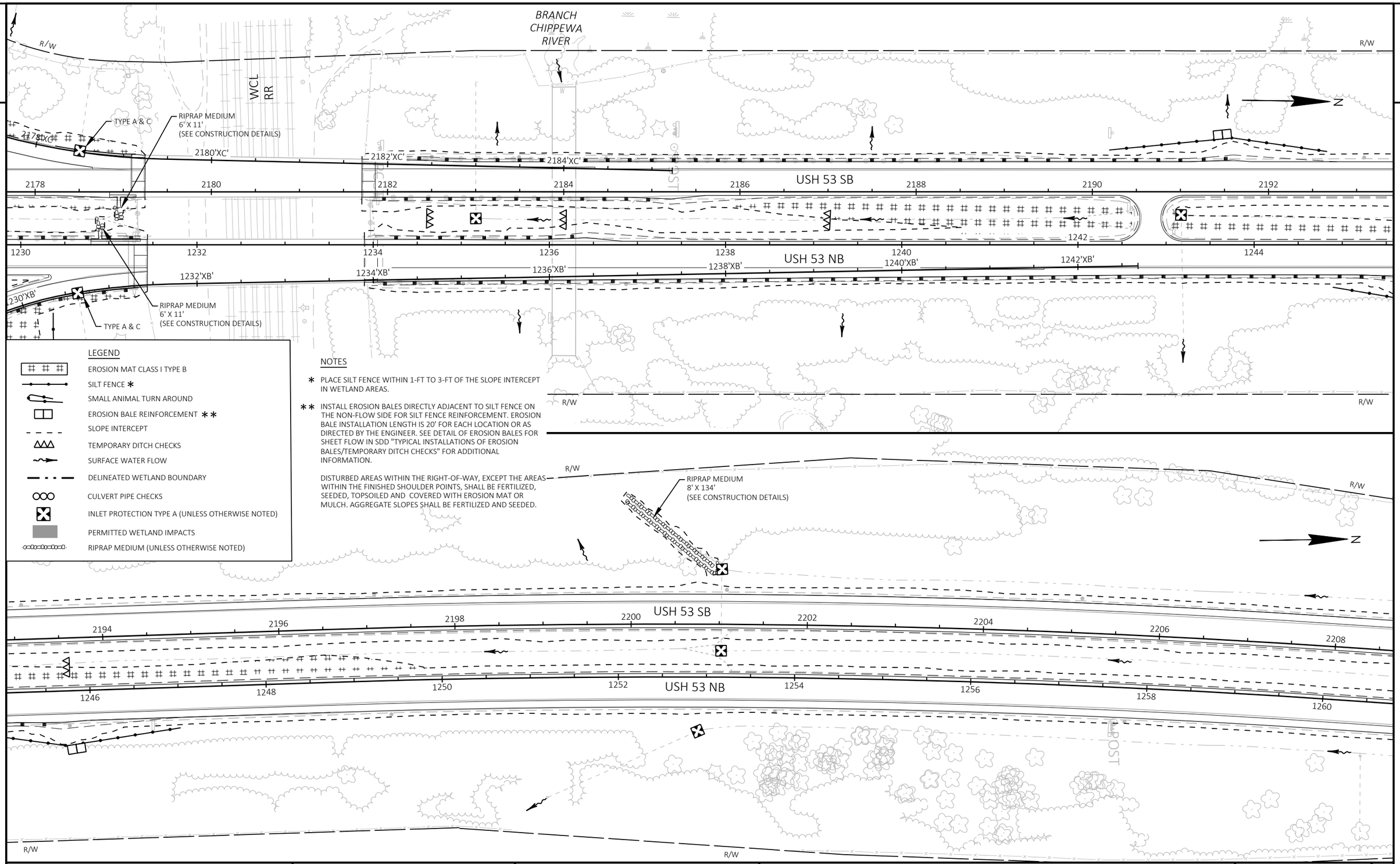
2164 2166 2168 2170 2172 2174 2176 2178

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL	SHEET 63	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\022005-EC.DWG
LAYOUT NAME - 06

PLOT DATE : 7/15/2021 3:34 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



LEGEND

- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- SMALL ANIMAL TURN AROUND
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- PERMITTED WETLAND IMPACTS
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)

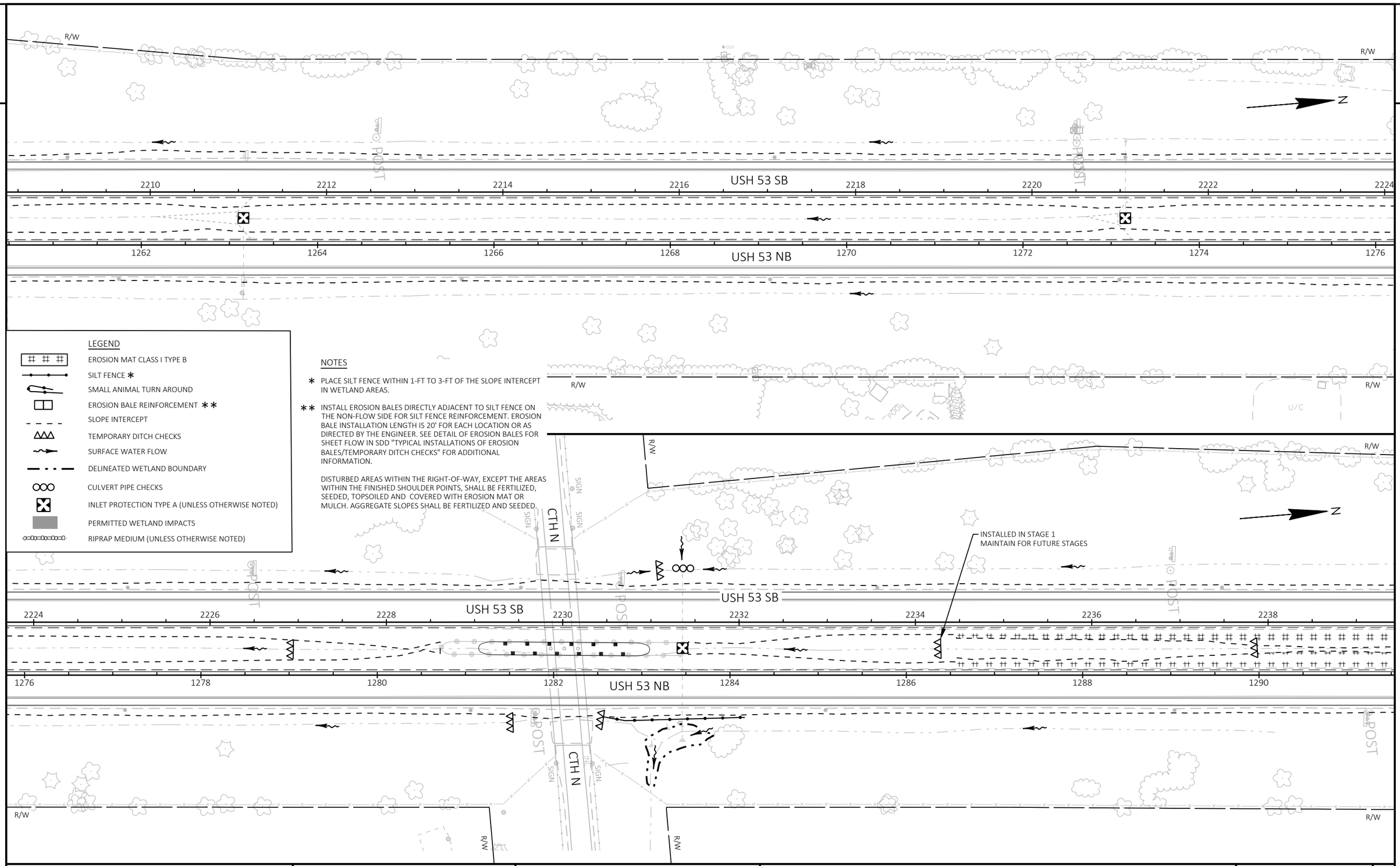
NOTES

* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

** INSTALL EROSION BALES DIRECTLY ADJACENT TO SILT FENCE ON THE NON-FLOW SIDE FOR SILT FENCE REINFORCEMENT. EROSION BALE INSTALLATION LENGTH IS 20' FOR EACH LOCATION OR AS DIRECTED BY THE ENGINEER. SEE DETAIL OF EROSION BALES FOR SHEET FLOW IN SDD "TYPICAL INSTALLATIONS OF EROSION BALES/TEMPORARY DITCH CHECKS" FOR ADDITIONAL INFORMATION.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT OR MULCH. AGGREGATE SLOPES SHALL BE FERTILIZED AND SEEDED.

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL	SHEET 64	E



LEGEND

- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- SMALL ANIMAL TURN AROUND
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- PERMITTED WETLAND IMPACTS
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)

NOTES

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL	SHEET 65	E

2

2

R/W

SIGN

N

R/W

INSTALLED IN STAGE 1
MAINTAIN FOR FUTURE STAGES

POST

2240 2242 2244 2246 USH 53 SB 2248 2250 2252 2254

1292 1294 1296 1298 USH 53 NB 1300 1302 1304 1306

POST

R/W

R/W

LEGEND

- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- SMALL ANIMAL TURN AROUND
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- PERMITTED WETLAND IMPACTS
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)

NOTES

* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

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R/W

R/W

N

R/W

UNNAMED CREEK

2256 2258 2260 USH 53 SB 2262 2264 2266 2268 2270

1308 1310 1312 USH 53 NB 1314 1316 1318 1320 1322

POST

POST

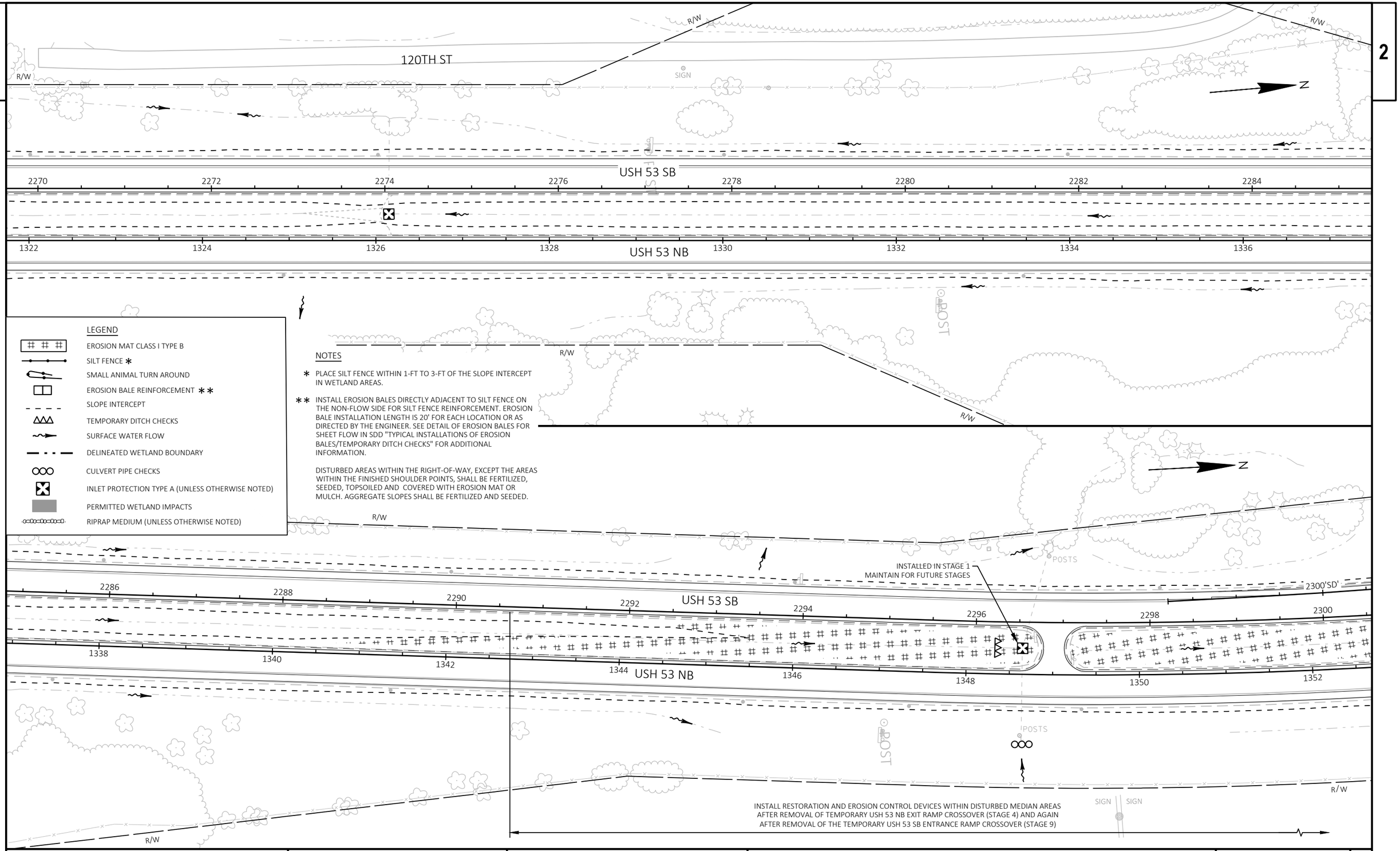
R/W

R/W

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL	SHEET 66	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\022005-EC.DWG
LAYOUT NAME - 09

PLOT DATE : 7/15/2021 3:39 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL	SHEET 67	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\022005-EC.DWG
LAYOUT NAME - 10

PLOT DATE : 7/15/2021 3:41 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- SMALL ANIMAL TURN AROUND
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- PERMITTED WETLAND IMPACTS
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)

NOTES

* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

** INSTALL EROSION BALES DIRECTLY ADJACENT TO SILT FENCE ON THE NON-FLOW SIDE FOR SILT FENCE REINFORCEMENT. EROSION BALE INSTALLATION LENGTH IS 20' FOR EACH LOCATION OR AS DIRECTED BY THE ENGINEER. SEE DETAIL OF EROSION BALES FOR SHEET FLOW IN SDD "TYPICAL INSTALLATIONS OF EROSION BALES/TEMPORARY DITCH CHECKS" FOR ADDITIONAL INFORMATION.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT OR MULCH. AGGREGATE SLOPES SHALL BE FERTILIZED AND SEEDED.

N

R/W

SIGN

UNNAMED CREEK

INSTALLED IN STAGE 1
MAINTAIN FOR FUTURE STAGES

INSTALLED IN STAGE 1
MAINTAIN FOR FUTURE STAGES

2300'SD' 2302'SD' 2304'SD' 2306'SD' 2308'SD' 2310'SD' 2312'SD' 2314'SD'

USH 53 SB/CTH S ENTRANCE

2300 2302 2304 2306 USH 53 SB 2308 2310 2312 2314

1352 1354 1356 1356'SA' 1358 1358'SA' USH 53 NB 1360 1360'SA' 1362 1362'SA' 1364 1364'SA' 1366 1366'SA'

USH 53 NB/CTH S EXIT

POST

R/W

RIPRAP

SIGN

SIGN

R/W

INSTALL RESTORATION AND EROSION CONTROL DEVICES WITHIN DISTURBED MEDIAN AREAS
AFTER REMOVAL OF TEMPORARY USH 53 NB EXIT RAMP CROSSOVER (STAGE 4) AND AGAIN
AFTER REMOVAL OF THE TEMPORARY USH 53 SB ENTRANCE RAMP CROSSOVER (STAGE 9)

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL	SHEET 68	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\022005-EC.DWG
LAYOUT NAME - 11

PLOT DATE : 7/15/2021 3:42 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE *
- SMALL ANIMAL TURN AROUND
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- PERMITTED WETLAND IMPACTS
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)

SEE CTH S EROSION CONTROL SHEETS

USH 53 SB/CTH S ENTRANCE

USH 53 SB

USH 53 NB

USH 53 NB/CTH S EXIT

USH 53 SB/CTH S EXIT

CTH S

RHEINGAN CREEK

PERMITTED WETLAND IMPACT

RIPRAP MEDIUM
8' X 63'
(SEE CONSTRUCTION DETAILS)

INSTALLED IN STAGE 1
MAINTAIN FOR FUTURE STAGES

RIPRAP MEDIUM
6' X 11'
(SEE CONSTRUCTION DETAILS)

RIPRAP MEDIUM
6' X 15'
(SEE CONSTRUCTION DETAILS)

NOTES

* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

** INSTALL EROSION BALES DIRECTLY ADJACENT TO SILT FENCE ON THE NON-FLOW SIDE FOR SILT FENCE REINFORCEMENT. EROSION BALE INSTALLATION LENGTH IS 20' FOR EACH LOCATION OR AS DIRECTED BY THE ENGINEER. SEE DETAIL OF EROSION BALES FOR SHEET FLOW IN SDD "TYPICAL INSTALLATIONS OF EROSION BALES/TEMPORARY DITCH CHECKS" FOR ADDITIONAL INFORMATION.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT OR MULCH. AGGREGATE SLOPES SHALL BE FERTILIZED AND SEEDED.

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL	SHEET 69	E

2

2

LEGEND

- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- SMALL ANIMAL TURN AROUND
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- PERMITTED WETLAND IMPACTS
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)

NOTES

* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

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INSTALL RESTORATION AND EROSION CONTROL DEVICES WITHIN DISTURBED MEDIAN AREAS AFTER REMOVAL OF TEMPORARY USH 53 SB EXIT RAMP (STAGE 4) AND AGAIN AFTER REMOVAL OF THE TEMPORARY USH 53 NB ENTRANCE RAMP (STAGE 9)

R/W

2330'SC'

2332'SC'

2334'SC'

2336'SC'

2338'SC'

2340'SC'

2342'SC'

2344'SC'

USH 53 SB/CTH S EXIT

USH 53 SB

POSTS

INSTALLED IN STAGE 1 MAINTAIN FOR FUTURE STAGES

2330 2332 2334 2336 2338 2340 2342 2344

1382 1384 1386 1388 1390 1392 1394 1396

USH 53 NB

1390'SB'

1392'SB'

1394'SB'

1396'SB'

1388'SB'

1386'SB'

1384'SB'

1382'SB'

USH 53 NB/CTH S ENTRANCE

R/W

INSTALLED IN STAGE 1 MAINTAIN FOR FUTURE STAGES

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL	SHEET 70	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\022005-EC.DWG
LAYOUT NAME - 13

PLOT DATE : 7/15/2021 3:43 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

INSTALL RESTORATION AND EROSION CONTROL DEVICES WITHIN DISTURBED MEDIAN AREAS AFTER REMOVAL OF TEMPORARY USH 53 SB EXIT RAMP (STAGE 4) AND AGAIN AFTER REMOVAL OF THE TEMPORARY USH 53 NB ENTRANCE RAMP (STAGE 9)

INSTALLED IN STAGE 1 MAINTAIN FOR FUTURE STAGES

R/W

USH 53 SB

2346 2348 2350 2352 2354 2356 2358 2360

1402

1398 1400 1404 1406 1408 1410 1412

USH 53 NB

1398'SB' 1400'SB' 1402'SB'

LEGEND

- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- SMALL ANIMAL TURN AROUND
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- PERMITTED WETLAND IMPACTS
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)

NOTES

* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

** INSTALL EROSION BALES DIRECTLY ADJACENT TO SILT FENCE ON THE NON-FLOW SIDE FOR SILT FENCE REINFORCEMENT. EROSION BALE INSTALLATION LENGTH IS 20' FOR EACH LOCATION OR AS DIRECTED BY THE ENGINEER. SEE DETAIL OF EROSION BALES FOR SHEET FLOW IN SDD "TYPICAL INSTALLATIONS OF EROSION BALES/TEMPORARY DITCH CHECKS" FOR ADDITIONAL INFORMATION.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT OR MULCH. AGGREGATE SLOPES SHALL BE FERTILIZED AND SEEDED.

R/W

USH 53 SB

2360 2362 2364 2366 2368 2370 2372 2374

USH 53 NB

1412 1414 1416 1418 1420 1422 1424 1426

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL	SHEET 71	E

2

2

R/W

R/W

USH 53 SB

2376 2378 2380 2382 2384 2386 2388 2390

1428 1430 1432 1434 1436 1438 1440 1442

USH 53 NB

POST

POST

POST

POST

R/W

R/W

RIPRAP

LEGEND

- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- SMALL ANIMAL TURN AROUND
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- PERMITTED WETLAND IMPACTS
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)

NOTES

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R/W

POST

POST

POST

POST

R/W

2390 2392 2394 2396 2398 2400 2402 2404

1442 1444 1446 1448 1450 1452 1454 1456

USH 53 SB

USH 53 NB

R/W

U/C

U/C

U/C

R/W

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL	SHEET 72	E

2

2

R/W
100TH AVE
SIGN
USH 53 SB
USH 53 NB
2406
2408
2410
2412
2414
2416
2418
2420
1458
1460
1462
1464
1466
1468
1470
1472

N

LEGEND

- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- SMALL ANIMAL TURN AROUND
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- PERMITTED WETLAND IMPACTS
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)

NOTES

* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

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INSTALLED IN STAGE 1
MAINTAIN FOR FUTURE STAGES
INSTALLED IN STAGE 1
MAINTAIN FOR FUTURE STAGES
2420
2422
2424
2426
2428
2430
2432
2434
1472
1474
1476
1478
1480
1482
1484
1486
POST
RIPRAP HEAVY
SEE CONSTRUCTION DETAILS
FOR WORK AT B-9-70
PERMITTED WETLAND IMPACT
UNNAMED CREEK
PERM EASEMENT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL	SHEET 73	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\022005-EC.DWG
LAYOUT NAME - 16
PLOT DATE : 7/15/2021 3:48 PM
PLOT BY : DREW NELSON
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- SMALL ANIMAL TURN AROUND
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- PERMITTED WETLAND IMPACTS
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)

NOTES

* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

** INSTALL EROSION BALES DIRECTLY ADJACENT TO SILT FENCE ON THE NON-FLOW SIDE FOR SILT FENCE REINFORCEMENT. EROSION BALE INSTALLATION LENGTH IS 20' FOR EACH LOCATION OR AS DIRECTED BY THE ENGINEER. SEE DETAIL OF EROSION BALES FOR SHEET FLOW IN SDD "TYPICAL INSTALLATIONS OF EROSION BALES/TEMPORARY DITCH CHECKS" FOR ADDITIONAL INFORMATION.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT OR MULCH. AGGREGATE SLOPES SHALL BE FERTILIZED AND SEEDED.

N

R/W

2438'BD'

2440'BD'

2442'BD'

2444'BD'

2446'BD'

2448'BD'

2450'BD'

USH 53 SB/CTH B ENTRANCE

USH 53 SB

2436 2438 2440 2442 2444 2446 2448 2450

1488 1490 1492 1494 1496 1498 1500 1502

1494'BA'

USH 53 NB

1496'BA'

1498'BA'

1500'BA'

USH 53 NB/CTH B EXIT

1502'BA'

R/W

SIGN

FOOTBRIDGES

A/C

T

R/W

PERM EASEMENT

UNNAMED CREEK

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL	SHEET 74	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\022005-EC.DWG
LAYOUT NAME - 17

PLOT DATE : 7/15/2021 3:49 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- SMALL ANIMAL TURN AROUND
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- PERMITTED WETLAND IMPACTS
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)

NOTES

* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

** INSTALL EROSION BALES DIRECTLY ADJACENT TO SILT FENCE ON THE NON-FLOW SIDE FOR SILT FENCE REINFORCEMENT. EROSION BALE INSTALLATION LENGTH IS 20' FOR EACH LOCATION OR AS DIRECTED BY THE ENGINEER. SEE DETAIL OF EROSION BALES FOR SHEET FLOW IN SDD "TYPICAL INSTALLATIONS OF EROSION BALES/TEMPORARY DITCH CHECKS" FOR ADDITIONAL INFORMATION.

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N

R/W

2458'BD'

2460'BC'

2462'BC'

2464'BC'

2456'BD'

2454'BD'

2452'BD'

2450'BD'

USH 53 SB/CTH B EXIT

USH 53 SB/CTH B ENTRANCE

CTH B

POST

2450 2452 2454 2456 USH 53 SB 2458 2460 2462 2464

1502 1504 1506 1508 USH 53 NB 1510 1512 1514 1516

1502'BA'

1504'BA'

1506'BA'

1508'BA'

1510'BA'

USH 53 NB/CTH B EXIT

1516'BB'

1514'BB'

1512'BB'

USH 53 NB/CTH B ENTRANCE

SEPTIC

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL	SHEET 75	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\022005-EC.DWG
LAYOUT NAME - 18

PLOT DATE : 7/15/2021 3:49 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

R/W

2466'BC'

USH 53 SB/CTH B EXIT

2468'BC'

2470'BC'

2472'BC'

2474'BC'

2476'BC'

USH 53 SB

2466 2468 2470 2472 2474 2476 2478 2480

1518 1520 1522 1524 1526 1528 1530 1532

USH 53 NB

USH 53 NB/CTH B ENTRANCE

1518'BB'

1520'BB'

1522'BB'

1524'BB'

1526'BB'

1528'BB'

1530'BB'

R/W

SIGN

N

LEGEND

- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- SMALL ANIMAL TURN AROUND
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- PERMITTED WETLAND IMPACTS
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)

NOTES

* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

** INSTALL EROSION BALES DIRECTLY ADJACENT TO SILT FENCE ON THE NON-FLOW SIDE FOR SILT FENCE REINFORCEMENT. EROSION BALE INSTALLATION LENGTH IS 20' FOR EACH LOCATION OR AS DIRECTED BY THE ENGINEER. SEE DETAIL OF EROSION BALES FOR SHEET FLOW IN SDD "TYPICAL INSTALLATIONS OF EROSION BALES/TEMPORARY DITCH CHECKS" FOR ADDITIONAL INFORMATION.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT OR MULCH. AGGREGATE SLOPES SHALL BE FERTILIZED AND SEEDED.

N

SIGN

2480 2482 2484 2486 2488 2490 2492 2494

1532 1534 1536 1538 1540 1542 1544 1546

USH 53 SB

USH 53 NB

R/W

114TH AVE

GUY

GUY

R/W

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL	SHEET 76	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\022005-EC.DWG
LAYOUT NAME - 19

PLOT DATE : 7/15/2021 3:51 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

111TH ST

INSTALLED IN STAGE 1
MAINTAIN FOR FUTURE STAGES

TYPE A & D

SIGN

POST

2496 2498 2500 2502 USH 53 SB 2504 2506 2508 2510

1548 1550 1552 1554 USH 53 NB 1556 1558 1560 1562

R/W

R/W

N

LEGEND

- EROSION MAT CLASS I TYPE B
- SILT FENCE *
- SMALL ANIMAL TURN AROUND
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- PERMITTED WETLAND IMPACTS
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)

NOTES

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N

CTH Q

SIGN

INSTALLED IN STAGE 1
MAINTAIN FOR FUTURE STAGES

INSTALLED IN STAGE 1
MAINTAIN FOR FUTURE STAGES

2510 2512 2514 USH 53 SB 2516 2518 2520 2522 2524

1562 1564 1566 USH 53 NB 1568 1570 1572 1574 1576

POST

POST

CTH Q

DUNCAN CREEK

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL	SHEET 77	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\022005-EC.DWG
LAYOUT NAME - 20

PLOT DATE : 7/15/2021 3:52 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

LEGEND

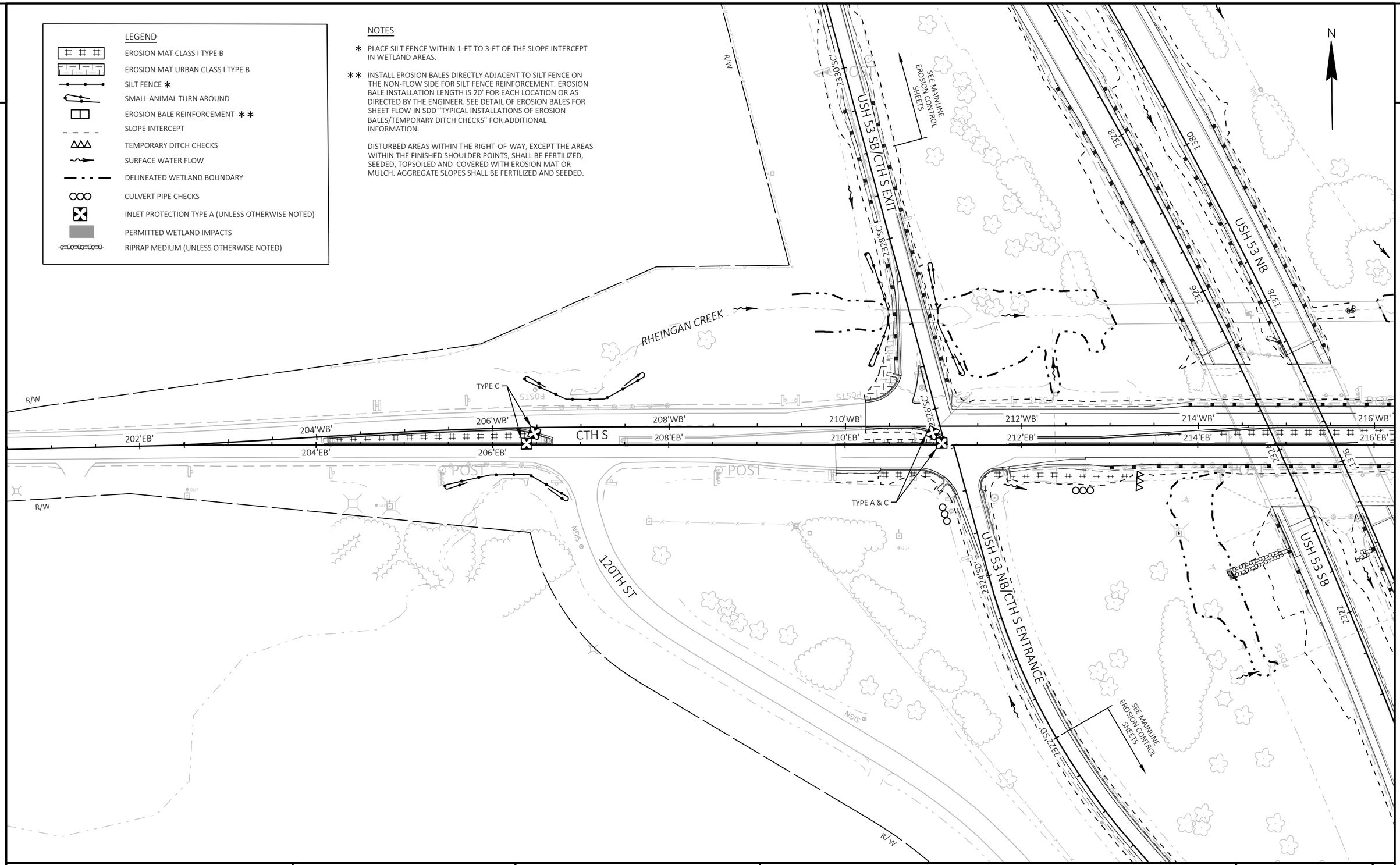
- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE *
- SMALL ANIMAL TURN AROUND
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- PERMITTED WETLAND IMPACTS
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* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

** INSTALL EROSION BALES DIRECTLY ADJACENT TO SILT FENCE ON THE NON-FLOW SIDE FOR SILT FENCE REINFORCEMENT. EROSION BALE INSTALLATION LENGTH IS 20' FOR EACH LOCATION OR AS DIRECTED BY THE ENGINEER. SEE DETAIL OF EROSION BALES FOR SHEET FLOW IN SDD "TYPICAL INSTALLATIONS OF EROSION BALES/TEMPORARY DITCH CHECKS" FOR ADDITIONAL INFORMATION.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT OR MULCH. AGGREGATE SLOPES SHALL BE FERTILIZED AND SEEDED.



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL	SHEET 78	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\022005-EC.DWG
LAYOUT NAME - 21

PLOT DATE : 7/20/2021 1:58 PM PLOT BY : LINDSEY PETERSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE *
- SMALL ANIMAL TURN AROUND
- EROSION BALE REINFORCEMENT **
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS
- SURFACE WATER FLOW
- DELINEATED WETLAND BOUNDARY
- CULVERT PIPE CHECKS
- INLET PROTECTION TYPE A (UNLESS OTHERWISE NOTED)
- PERMITTED WETLAND IMPACTS
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)

NOTES

* PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

** INSTALL EROSION BALES DIRECTLY ADJACENT TO SILT FENCE ON THE NON-FLOW SIDE FOR SILT FENCE REINFORCEMENT. EROSION BALE INSTALLATION LENGTH IS 20' FOR EACH LOCATION OR AS DIRECTED BY THE ENGINEER. SEE DETAIL OF EROSION BALES FOR SHEET FLOW IN SDD "TYPICAL INSTALLATIONS OF EROSION BALES/TEMPORARY DITCH CHECKS" FOR ADDITIONAL INFORMATION.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT OR MULCH. AGGREGATE SLOPES SHALL BE FERTILIZED AND SEEDED.

N

R/W

SEE MAINLINE EROSION CONTROL SHEETS

USH 53 NB/CTH S ENTRANCE

1378'SB'

1376'SB'

1380

2226

1378

PERMITTED WETLAND IMPACT

RHEINGAN CREEK

TYPE A & C

214'WB' 216'WB' CTH S 218'WB' 220'WB' 222'WB' 224'WB' 226'WB' 228'WB'

214'EB' 216'EB' 218'EB' 220'EB' 222'EB' 224'EB' 226'EB' 228'EB'

1374'SB'

2224

1376

USH 53 SB

USH 53 NB

2232

1374

2230

1372

1374'SA'

1372'SA'

USH 53 NB/CTH S EXIT

RIPRAP MEDIUM
10' X 20'
(SEE CONSTRUCTION DETAILS)

PERMITTED WETLAND IMPACT

SEE MAINLINE EROSION CONTROL SHEETS

R/W

POST

SIGN

GUY

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EROSION CONTROL	SHEET 79	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\022005-EC.DWG
LAYOUT NAME - 22

PLOT DATE : 7/15/2021 3:54 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

LEGEND

- EXISTING SIGN MOUNTED ON SINGLE POST
- MOVE EXISTING SIGN MOUNTED ON SINGLE POST
- EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- MOVE EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- PROPOSED SIGN MOUNTED ON MULTIPLE POSTS
- X — SIGN - MOVE
- X — SIGN - REMOVE AND REPLACE
- X — SIGN - REMOVE
- * — SIGN BOX OUT REQ'D

NOTES

EXISTING SIGNS SHOWN PER FIELD REVIEW DURING THE SPRING OF 2019

EDGE LINE AND LANE LINE MARKINGS ARE SHOWN IN SDD "PERMANENT LONGITUDINAL PAVEMENT MARKINGS"

(X) TRAFFIC CONTROL COVERING SIGNS SIGNS NOTED FOR COVERING MAY BE REMOVED, STOCKPILED, AND RE-INSTALLED

SPEED LIMIT SIGNS SHALL BE COVERED BY THE PROPOSED SPEED LIMIT OF 55 MPH, SEE TRAFFIC CONTROL PLANS

[X] SIGNS NOTED FOR MOVING MAY BE IN CONFLICT WITH PROPOSED GRADING (WITHIN 3-FEET OF SLOPE INTERCEPT); REMOVE, STOCKPILE, AND RE-INSTALL IN THE STAGE NUMBER SHOWN UNLESS OTHERWISE NOTED.

N

120TH ST

40TH AVE

USH 53 SB

USH 53 NB

USH 53 SB/BUS 29 EXIT RAMP

2080 2085 2090 2095 2100 2105

1135 1140 1145 1150 1155 1160

10 EXIT 95 B
29 WEST
MENOMONIE
TO REMAIN
SIGN 1-1

11 1-2
MOVE

10 1-5
SPEED LIMIT 65
MOVE

10 1-6
SPEED LIMIT 65
MOVE

TRAVEL INFO CALL 511
TO REMAIN

10 1-8
MILE 9 6
MOVE

10 1-9
SPEED LIMIT 65
MOVE

10 1-10
SPEED LIMIT 65
MOVE

53 SOUTH
EAU CLAIRE
AHEAD
TO REMAIN

EXIT 95 A
29 EAST
GREEN BAY
3/4 MILE
TO REMAIN

MOVE OVER OR SLOW DOWN FOR STOPPED VEHICLES WITH FLASHING LIGHTS
TO REMAIN

MOVE
1-3
11

CHIPPEWA FALLS EXITS
X BUS 29 1 1/2
S 4 1/2
TO REMAIN
SIGN 1-4

5 6A 11B
2B

MILE 9 6
MOVE
1-7
5

2

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PERMANENT SIGNING	SHEET 80	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 01

PLOT DATE : 6/21/2023 1:02 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

LEGEND

- EXISTING SIGN MOUNTED ON SINGLE POST
- MOVE EXISTING SIGN MOUNTED ON SINGLE POST
- EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- MOVE EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- PROPOSED SIGN MOUNTED ON MULTIPLE POSTS
- X — SIGN - MOVE
- X — SIGN - REMOVE AND REPLACE
- X — SIGN - REMOVE
- * — SIGN BOX OUT REQ'D

NOTES

EXISTING SIGNS SHOWN PER FIELD REVIEW DURING THE SPRING OF 2019

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N

29 WEST 1/2
29 EAST 1 1/4
124 00 BUS 53 2
10

TO REMAIN
SIGN 2-1

2-3
10

VILLAGE OF
LAKE HALLIE

REMOVE

10

EXITS 95 A-B
29
MENOMONIE
GREEN BAY
1 MILE

TO REMAIN
SIGN 2-6

50TH AVE

2110 2115 2120 USH 53 SB 2125 2130 2135 2140

1165 1170 1175 1180 1185 1190

USH 53 NB

50TH AVE

QUARRY

QUARRY

QUARRY

CITY OF
CHIPPEWA FALLS

MOVE
2-2
5

LODGING-EXIT 96
LOGO LOGO
ATTRACTION-EXIT 96
LOGO LOGO

TO REMAIN

EXIT 96
X BUS 29
CHIPPEWA FALLS
3/4 MILE

TO REMAIN
SIGN 2-4
5 6A 11B

Tourist Info
DOWNTOWN
CHIPPEWA FALLS
EXIT 96

MOVE
2-5
5

2

2

LEGEND

- EXISTING SIGN MOUNTED ON SINGLE POST
- MOVE EXISTING SIGN MOUNTED ON SINGLE POST
- EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- MOVE EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- PROPOSED SIGN MOUNTED ON MULTIPLE POSTS
- X — SIGN - MOVE
- X — SIGN - REMOVE AND REPLACE
- X — SIGN - REMOVE
- * — SIGN BOX OUT REQ'D

NOTES

EXISTING SIGNS SHOWN PER FIELD REVIEW DURING THE SPRING OF 2019

EDGE LINE AND LANE LINE MARKINGS ARE SHOWN IN SDD "PERMANENT LONGITUDINAL PAVEMENT MARKINGS"

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N

10 3-1 — SPEED LIMIT 70 — MOVE

10 3-2 — SOUTH 53 — MOVE

11 3-3 — MOVE

10 3-5 — MILE 9 7 — MOVE

10 3-10 — MOVE

10 3-11 — CHIPPEWA RIVER — MOVE

10 3-12 — MOVE

CHIPPEWA RIVER

BUS 29/CTH X

2140 2145 2150 2155 USH 53 SB 2160 2165 2170

1195 1200 1205 USH 53 NB 1210 1215 1220

GAS-EXIT 96 — LOGO

FOOD-EXIT 96 — LOGO LOGO LOGO

TO REMAIN

MOVE 3-4 11

MILE 9 7 — MOVE 3-6 5

CHIPPEWA RIVER — MOVE 3-8 5

MOVE 3-9 5

MOVE 3-7 5

EXIT 96

X BUS 29

CHIPPEWA FALLS

TO REMAIN SIGN 3-13 5 6A 11B

EXIT 25 MPH — MOVE 3-14 5

MOVE 3-15 5

MOVE 3-16 5

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PERMANENT SIGNING	SHEET 82	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 03

PLOT DATE : 6/21/2023 1:03 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

2

2

LEGEND

- EXISTING SIGN MOUNTED ON SINGLE POST
- MOVE EXISTING SIGN MOUNTED ON SINGLE POST
- EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- MOVE EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- PROPOSED SIGN MOUNTED ON MULTIPLE POSTS
- (X) SIGN - MOVE
- X SIGN - REMOVE AND REPLACE
- X SIGN - REMOVE
- * SIGN BOX OUT REQ'D

NOTES

EXISTING SIGNS SHOWN PER FIELD REVIEW DURING THE SPRING OF 2019

EDGE LINE AND LANE LINE MARKINGS ARE SHOWN IN SDD "PERMANENT LONGITUDINAL PAVEMENT MARKINGS"

(X) TRAFFIC CONTROL COVERING SIGNS SIGNS NOTED FOR COVERING MAY BE REMOVED, STOCKPILED, AND RE-INSTALLED

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N

6A 10B 11B
EXIT 96
X BUS 29
CHIPPEWA FALLS

USH 53 SB/BUS 29 ENTRANCE RAMP
USH 53 SB/BUS 29 EXIT RAMP
USH 53 NB/ BUS 29 EXIT RAMP
USH 53 NB/ BUS 29 ENTRANCE
USH 53 SB
USH 53 NB

4-1 6A MOVE
4-2 10 MOVE
4-3 6A MOVE
4-4 5 MOVE
4-5 10 MOVE
4-6 5 MOVE
4-7 6A MOVE
4-8 6A MOVE
4-9 5 MOVE
4-10 10 MOVE
4-11 10 MOVE
4-12 10 MOVE
4-13 10 MOVE
4-14 6B 11 MOVE
4-15 6B 11 MOVE
4-16 5 MOVE

EXIT 30 MPH
EXIT 96
ALTERNATE 53
NORTH 53

TO REMAIN SIGN 4-12

OFF-ROADWAY OPERATION OF MOTOR VEHICLES PROHIBITED EXCEPT IN EMERGENCY OR AS AUTHORIZED BY BELOW
EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES
TO REMAIN

OFF-ROADWAY OPERATION OF MOTOR VEHICLES PROHIBITED EXCEPT IN EMERGENCY OR AS AUTHORIZED BY BELOW
EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES
TO REMAIN

SEE RAMP SHEET FOR DETAIL AT BUS 29/CTH X INTERCHANGE

GUY POLE

170 2175 2180 2185 2190 2195 2200
1225 1230 1235 1240 1245 1250

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PERMANENT SIGNING	SHEET 83	E

LEGEND

- EXISTING SIGN MOUNTED ON SINGLE POST
- MOVE EXISTING SIGN MOUNTED ON SINGLE POST
- EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- MOVE EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- PROPOSED SIGN MOUNTED ON MULTIPLE POSTS
- (X) SIGN - MOVE
- X SIGN - REMOVE AND REPLACE
- X SIGN - REMOVE
- * SIGN BOX OUT REQ'D

NOTES

EXISTING SIGNS SHOWN PER FIELD REVIEW DURING THE SPRING OF 2019

EDGE LINE AND LANE LINE MARKINGS ARE SHOWN IN SDD "PERMANENT LONGITUDINAL PAVEMENT MARKINGS"

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N

10 / 5-3 — MILE 98 — MOVE

GAS-EXIT 96 (LOGO)
FOOD-EXIT 96 (LOGO LOGO LOGO)
TO REMAIN

DIGITAL MESSAGE SIGN (TO REMAIN)

5-4
Tourist Info
EXIT 96
E5-63
168"X60"

10 / 5-6 — HWY N — MOVE

2205 2210 2215 USH 53 SB 2220 2225 2230
1255 1260 1265 1270 1275 1280
USH 53 NB

CTH N

SPEED LIMIT 70 — MOVE — 5-1 / 5

MILE 98 — MOVE — 5-2 / 5

HWY N — MOVE — 5-5 / 5

2

LEGEND

- EXISTING SIGN MOUNTED ON SINGLE POST
- MOVE EXISTING SIGN MOUNTED ON SINGLE POST
- EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- MOVE EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- PROPOSED SIGN MOUNTED ON MULTIPLE POSTS
- X — SIGN - MOVE
- X — SIGN - REMOVE AND REPLACE
- X — SIGN - REMOVE
- * — SIGN BOX OUT REQ'D

NOTES

EXISTING SIGNS SHOWN PER FIELD REVIEW DURING THE SPRING OF 2019

EDGE LINE AND LANE LINE MARKINGS ARE SHOWN IN SDD "PERMANENT LONGITUDINAL PAVEMENT MARKINGS"

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N

6A 10B 11B
EXIT 96
X BUS 29
CHIPPEWA FALLS
1 MILE
TO REMAIN
SIGN 6-1

LODGING-EXIT 96
LOGO LOGO
ATTRACTION-EXIT 96
LOGO LOGO
TO REMAIN

8
6-4
SLOWER TRAFFIC KEEP RIGHT
MOVE

2235 2240 2245 USH 53 SB 2250 2255 2260

1285 1290 1295 1300 1305 1310

USH 53 NB

SLOWER TRAFFIC KEEP RIGHT
MOVE
6-2
5

EMERGENCY STOPPING ONLY
MOVE
6-3
3

EXIT 99
S
CHIPPEWA FALLS
1 MILE
TO REMAIN
SIGN 6-5
2B

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PERMANENT SIGNING	SHEET 85	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 06

PLOT DATE : 6/21/2023 1:04 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

2

LEGEND

- EXISTING SIGN MOUNTED ON SINGLE POST
- MOVE EXISTING SIGN MOUNTED ON SINGLE POST
- EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- MOVE EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- PROPOSED SIGN MOUNTED ON MULTIPLE POSTS
- X — SIGN - MOVE
- X — SIGN - REMOVE AND REPLACE
- X — SIGN - REMOVE
- * — SIGN BOX OUT REQ'D

NOTES

EXISTING SIGNS SHOWN PER FIELD REVIEW DURING THE SPRING OF 2019

EDGE LINE AND LANE LINE MARKINGS ARE SHOWN IN SDD "PERMANENT LONGITUDINAL PAVEMENT MARKINGS"

(X) TRAFFIC CONTROL COVERING SIGNS SIGNS NOTED FOR COVERING MAY BE REMOVED, STOCKPILED, AND RE-INSTALLED

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N

8
7-2
MILE 99
MOVE

EMERGENCY STOPPING ONLY
TO REMAIN

8
7-4
SPEED LIMIT 70
MOVE

120TH ST

2265 2270 2275 USH 53 SB 2280 2285 2290

1315 1320 1325 1330 1335 1340

USH 53 NB

MILE 99
MOVE
7-1
3

HOSPITAL EXIT 99
TO REMAIN
SIGN 7-3
2B

LAKE WISSOTA State Park EXIT 99
TO REMAIN
SIGN 7-5
2B

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PERMANENT SIGNING	SHEET 86	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 07

PLOT DATE : 6/21/2023 1:04 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:200 FT

LEGEND

- EXISTING SIGN MOUNTED ON SINGLE POST
- MOVE EXISTING SIGN MOUNTED ON SINGLE POST
- EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- MOVE EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- PROPOSED SIGN MOUNTED ON MULTIPLE POSTS
- (X) SIGN - MOVE
- X SIGN - REMOVE AND REPLACE
- X SIGN - REMOVE
- * SIGN BOX OUT REQ'D

NOTES

EXISTING SIGNS SHOWN PER FIELD REVIEW DURING THE SPRING OF 2019

EDGE LINE AND LANE LINE MARKINGS ARE SHOWN IN SDD "PERMANENT LONGITUDINAL PAVEMENT MARKINGS"

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N

120TH ST

USH 53 SB/CTH S ENTRANCE RAMP

USH 53 SB

USH 53 NB

USH 53 NB/CTH S EXIT RAMP

CTH S

1345 2295 1350 2300 1355 2305 1360 2310 1365 2315 1370 2320 1375

2B 8-14 — PEDESTRIANS BICYCLES NON-MOTORIZED TRAFFIC MOTOR BICYCLES PROHIBITED — MOVE

1 6B 9 8-2 — EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES — MOVE

8-1 8 — SOUTH 53 — MOVE

8 8-7 — MILE 100 — MOVE

8 8-9 — MOVE

8-13 3 — MOVE

3 8-12 — WRONG WAY — TO REMAIN — MOVE

FOOD-EXIT 99 (LOGO) — ATTRACTION-EXIT 99 (LOGO) — TO REMAIN

MOVE 8-3 (6B 9)

EXIT 99 — S — CHIPPEWA FALLS — TO REMAIN SIGN 8-4 (2B)

MOVE 8-5 (2B)

EXIT 99 — MOVE 8-6 (2B 3)

MILE 100 — MOVE 8-8 (3)

CHIPPEWA FALLS JIM FALLS — LAKE WISSOTA State Park — MOVE 8-10 (2B)

FOOD ATTRACTION 2.3 2.2 — TO REMAIN

COUNTY S H — MOVE 8-11 (2B)

SEE CTH S SHEETS FOR DETAIL ALONG CTH S

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PERMANENT SIGNING	SHEET 87	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 08
PLOT DATE : 6/21/2023 1:04 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44

2

LEGEND

- EXISTING SIGN MOUNTED ON SINGLE POST
- MOVE EXISTING SIGN MOUNTED ON SINGLE POST
- EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- MOVE EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- PROPOSED SIGN MOUNTED ON MULTIPLE POSTS
- (X) SIGN - MOVE
- X SIGN - REMOVE AND REPLACE
- X SIGN - REMOVE
- * SIGN BOX OUT REQ'D

N

2C 9-5 — H COUNTY S — MOVE

2C 9-4 — WRONG WAY — MOVE

2C 9-8 — CHIPPEWA FALLS / JIM FALLS — LAKE WISSOTA State Park — MOVE

2C 9-7 — FOOD 2.3 | ATTRACTION 2.2 — MOVE

2C 9-9 — MOVE

2C 8 9-10 — EXIT 99 — MOVE

2C — EXIT 99 — S — CHIPPEWA FALLS — TO REMAIN SIGN 9-11

2C 8 9-12 — NORTHERN WIS State Fair — MOVE

8 9-3 — MOVE

CTH S

USH 53 SB/CTH S EXIT RAMP

USH 53 SB

2325 2330 2335 2340 2345 2350

1375 1380 1385 1390 1395 1400 1405

USH 53 NB

USH 53 NB/CTH S ENTRANCE RAMP

MOVE — 9-2 8

MOVE — 9-6 3

PEDESTRIANS BICYCLES NON MOTORIZED TRAFFIC MOTOR BICYCLES PROHIBITED — MOVE — 9-1 2C

SEE CTH S SHEETS FOR DETAIL ALONG CTH S

NOTES

EXISTING SIGNS SHOWN PER FIELD REVIEW DURING THE SPRING OF 2019

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PERMANENT SIGNING	SHEET 88	E

2

2

LEGEND

- EXISTING SIGN MOUNTED ON SINGLE POST
- MOVE EXISTING SIGN MOUNTED ON SINGLE POST
- EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- MOVE EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- PROPOSED SIGN MOUNTED ON MULTIPLE POSTS
- X — SIGN - MOVE
- X — SIGN - REMOVE AND REPLACE
- X — SIGN - REMOVE
- * — SIGN BOX OUT REQ'D

NOTES

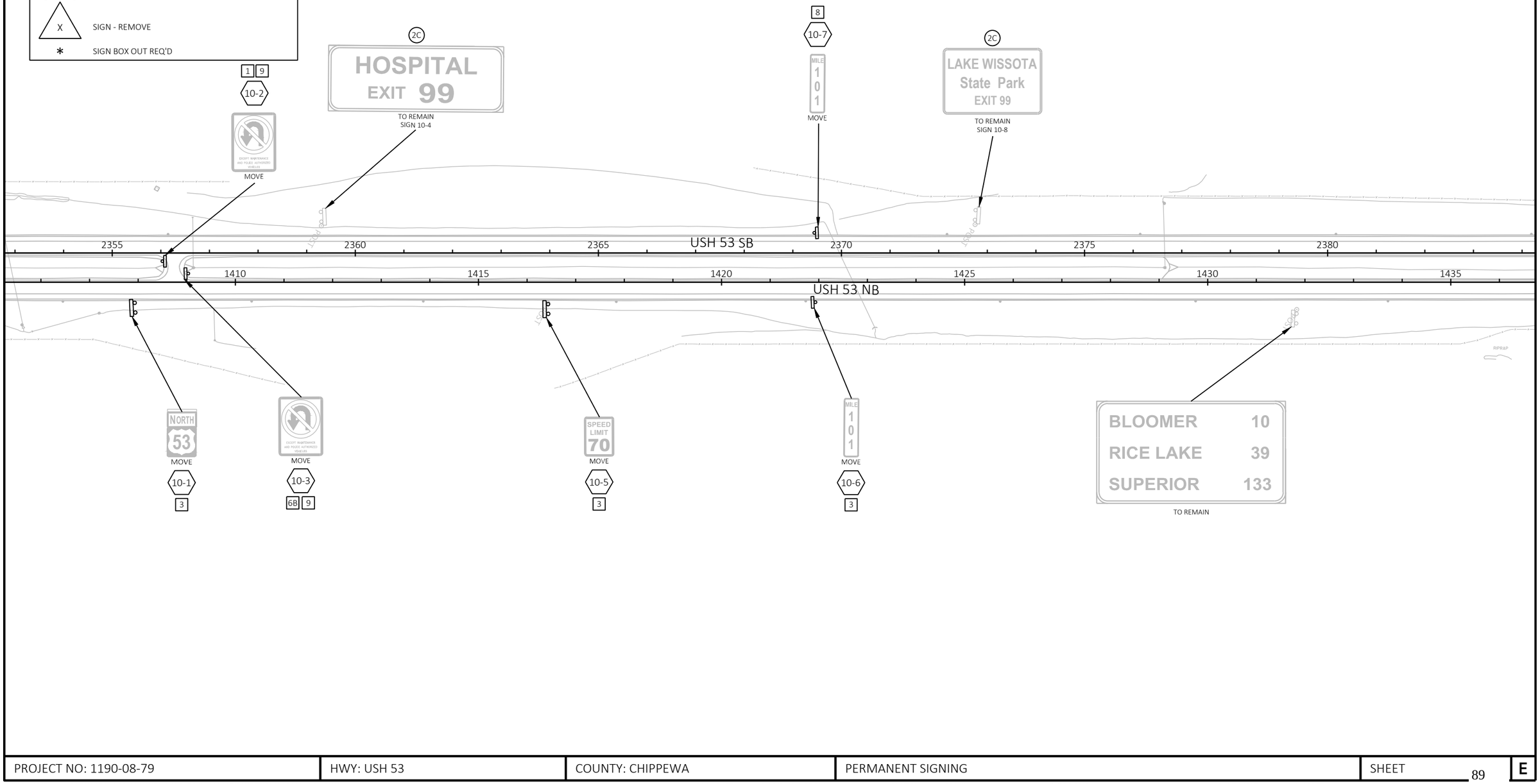
EXISTING SIGNS SHOWN PER FIELD REVIEW DURING THE SPRING OF 2019

EDGE LINE AND LANE LINE MARKINGS ARE SHOWN IN SDD "PERMANENT LONGITUDINAL PAVEMENT MARKINGS"

(X) TRAFFIC CONTROL COVERING SIGNS SIGNS NOTED FOR COVERING MAY BE REMOVED, STOCKPILED, AND RE-INSTALLED

SPEED LIMIT SIGNS SHALL BE COVERED BY THE PROPOSED SPEED LIMIT OF 55 MPH, SEE TRAFFIC CONTROL PLANS

[X] SIGNS NOTED FOR MOVING MAY BE IN CONFLICT WITH PROPOSED GRADING (WITHIN 3-FEET OF SLOPE INTERCEPT); REMOVE, STOCKPILE, AND RE-INSTALL IN THE STAGE NUMBER SHOWN UNLESS OTHERWISE NOTED.



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PERMANENT SIGNING	SHEET 89	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 10

PLOT DATE : 6/21/2023 1:05 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

LEGEND

- EXISTING SIGN MOUNTED ON SINGLE POST
- MOVE EXISTING SIGN MOUNTED ON SINGLE POST
- EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- MOVE EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- PROPOSED SIGN MOUNTED ON MULTIPLE POSTS
- X — SIGN - MOVE
- X — SIGN - REMOVE AND REPLACE
- X — SIGN - REMOVE
- * — SIGN BOX OUT REQ'D

N

2C

EXIT 99

S

CHIPPEWA FALLS

3/4 MILE

TO REMAIN
SIGN 11-1

FOOD-EXIT 99

LOGO

ATTRACTION-EXIT 99

LOGO

TO REMAIN

CHIPPEWA FALLS EXITS

S 1 1/2 2C

X BUS 29 4 1/2 6A 10B 11B

TO REMAIN
SIGN 11-3

8

11-4

SPEED LIMIT 70

MOVE

USH 53 SB

USH 53 NB

2385 2390 2395 2400 2405 2410

1440 1445 1450 1455 1460 1465

100TH AVE

RIPRAP

E1-5P
108"X30"

EXIT 102

B

Tilden

1 MILE

E1-1A
132" X 120"

11-2

7

NOTES

EXISTING SIGNS SHOWN PER FIELD REVIEW DURING THE SPRING OF 2019

EDGE LINE AND LANE LINE MARKINGS ARE SHOWN IN SDD "PERMANENT LONGITUDINAL PAVEMENT MARKINGS"

(X) TRAFFIC CONTROL COVERING SIGNS SIGNS NOTED FOR COVERING MAY BE REMOVED, STOCKPILED, AND RE-INSTALLED

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[X] SIGNS NOTED FOR MOVING MAY BE IN CONFLICT WITH PROPOSED GRADING (WITHIN 3-FEET OF SLOPE INTERCEPT); REMOVE, STOCKPILE, AND RE-INSTALL IN THE STAGE NUMBER SHOWN UNLESS OTHERWISE NOTED.

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PERMANENT SIGNING	SHEET 90	E

2

LEGEND

- EXISTING SIGN MOUNTED ON SINGLE POST
- MOVE EXISTING SIGN MOUNTED ON SINGLE POST
- EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- MOVE EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- PROPOSED SIGN MOUNTED ON MULTIPLE POSTS
- X — SIGN - MOVE
- X — SIGN - REMOVE AND REPLACE
- X — SIGN - REMOVE
- * — SIGN BOX OUT REQ'D

NOTES

EXISTING SIGNS SHOWN PER FIELD REVIEW DURING THE SPRING OF 2019

EDGE LINE AND LANE LINE MARKINGS ARE SHOWN IN SDD "PERMANENT LONGITUDINAL PAVEMENT MARKINGS"

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[X] SIGNS NOTED FOR MOVING MAY BE IN CONFLICT WITH PROPOSED GRADING (WITHIN 3-FEET OF SLOPE INTERCEPT); REMOVE, STOCKPILE, AND RE-INSTALL IN THE STAGE NUMBER SHOWN UNLESS OTHERWISE NOTED.

N

8 12-2 — MILE 102 — MOVE

8 12-3 — SOUTH 53 — MOVE

1 9 12-4 — MOVE

1 3 12-6 — 15'-11" — MOVE — 5.5 MILES AHEAD — MOVE

USH 53 SB

USH 53 NB

2415 2420 2425 2430 2435 2440 2445

1470 1475 1480 1485 1490 1495

MILE 102 — MOVE — 12-1 — 3

EXIT 102 FOOD LODGING (LOGO LOGO) — TO REMAIN

MOVE — 12-5 — 9

15'-11" — TO REMAIN

5.5 MILES AHEAD — TO REMAIN

E1-5P 108"X30"

EXIT 102

B

Tilden

E4-1A 168" X 90"

12-7 — 7

2

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PERMANENT SIGNING	SHEET 91	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 12

PLOT DATE : 6/21/2023 1:06 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:200 FT

LEGEND

- EXISTING SIGN MOUNTED ON SINGLE POST
- MOVE EXISTING SIGN MOUNTED ON SINGLE POST
- EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- MOVE EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- PROPOSED SIGN MOUNTED ON MULTIPLE POSTS
- X — SIGN - MOVE
- X — SIGN - REMOVE AND REPLACE
- X — SIGN - REMOVE
- * — SIGN BOX OUT REQ'D

N

USH 53 SB/CTH B ENTRANCE RAMP

USH 53 SB/CTH B EXIT RAMP

USH 53 SB

USH 53 NB

USH 53 NB/CTH B EXIT RAMP

USH 53 NB/CTH B ENTRANCE RAMP

CTH B

2445 2450 2455 2460 2465 2470 2475

1500 1505 1510 1515 1520 1525

8 13-5 MOVE

7 13-7 PEDESTRIANS BICYCLES NON MOTORIZED TRAFFIC MOTOR BICYCLES PROHIBITED MOVE

NO PARKING ON RAMP TO REMAIN

OFF-ROADWAY OPERATION OF MOTOR VEHICLES PROHIBITED TO REMAIN

7 13-12 DO NOT ENTER MOVE

7 13-13 COUNTY B MOVE

DO NOT ENTER MOVE

7 13-15 NO PARKING ON RAMP MOVE

7 13-17 EAU CLAIRE MOVE

WRONG WAY MOVE

7 13-16 WRONG WAY MOVE

7 13-18 EXIT 102 MOVE

7 13-19 MOVE

7 8B 13-21 MILE 103 MOVE

WRONG WAY MOVE 13-4 3A 7

7 13-1 1B 7

EXIT 102 MOVE 13-2 3A 7

TILDEN MOVE

WRONG WAY MOVE 13-3 7

NO PARKING ON RAMP MOVE 13-6 7

COUNTY B MOVE

DO NOT ENTER MOVE 13-8 7

DO NOT ENTER MOVE 13-9 7

NO PARKING ON RAMP MOVE 13-10 7

MOVE 13-11 3

PEDESTRIANS BICYCLES NON MOTORIZED TRAFFIC MOTOR BICYCLES PROHIBITED MOVE 13-14 7

OFF-ROADWAY OPERATION OF MOTOR VEHICLES PROHIBITED TO REMAIN

MILE 103 MOVE 13-20 3

SEE CTH B SHEET FOR DETAIL ALONG CTH B.

NOTES

EXISTING SIGNS SHOWN PER FIELD REVIEW DURING THE SPRING OF 2019

EDGE LINE AND LANE LINE MARKINGS ARE SHOWN IN SDD "PERMANENT LONGITUDINAL PAVEMENT MARKINGS"

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[X] SIGNS NOTED FOR MOVING MAY BE IN CONFLICT WITH PROPOSED GRADING (WITHIN 3-FEET OF SLOPE INTERCEPT); REMOVE, STOCKPILE, AND RE-INSTALL IN THE STAGE NUMBER SHOWN UNLESS OTHERWISE NOTED.

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PERMANENT SIGNING	SHEET 92	E

2

2

LEGEND

- EXISTING SIGN MOUNTED ON SINGLE POST
- MOVE EXISTING SIGN MOUNTED ON SINGLE POST
- EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- MOVE EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- PROPOSED SIGN MOUNTED ON MULTIPLE POSTS
- X — SIGN - MOVE
- X — SIGN - REMOVE AND REPLACE
- X — SIGN - REMOVE
- * — SIGN BOX OUT REQ'D

NOTES

EXISTING SIGNS SHOWN PER FIELD REVIEW DURING THE SPRING OF 2019

EDGE LINE AND LANE LINE MARKINGS ARE SHOWN IN SDD "PERMANENT LONGITUDINAL PAVEMENT MARKINGS"

(X) TRAFFIC CONTROL COVERING SIGNS SIGNS NOTED FOR COVERING MAY BE REMOVED, STOCKPILED, AND RE-INSTALLED

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N

7
14-1
E1-5P
108"X30"
EXIT 102
B
Tilden
E4-1A
168" X 90"

9
14-2
MOVE

WISCONSIN ROAD EMERGENCY CELLULAR 911
TO REMAIN

FOOD-EXIT 99
LOGO
ATTRACTION-EXIT 99
LOGO
TO REMAIN

111TH ST

475 2480 2485 2490 USH 53 SB 2495 2500 2505

1530 1535 1540 1545 1550 1555

USH 53 NB

114th AVE

MOVE
14-3
9

MOVE
NORTH
53
14-4
3

WISCONSIN ROAD EMERGENCY CELLULAR 911
TO REMAIN

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PERMANENT SIGNING	SHEET 93	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 14

PLOT DATE : 6/21/2023 1:06 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

2

LEGEND

- EXISTING SIGN MOUNTED ON SINGLE POST
- MOVE EXISTING SIGN MOUNTED ON SINGLE POST
- EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- MOVE EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- PROPOSED SIGN MOUNTED ON MULTIPLE POSTS
- (X) SIGN - MOVE
- X SIGN - REMOVE AND REPLACE
- X SIGN - REMOVE
- * SIGN BOX OUT REQ'D

NOTES

EXISTING SIGNS SHOWN PER FIELD REVIEW DURING THE SPRING OF 2019

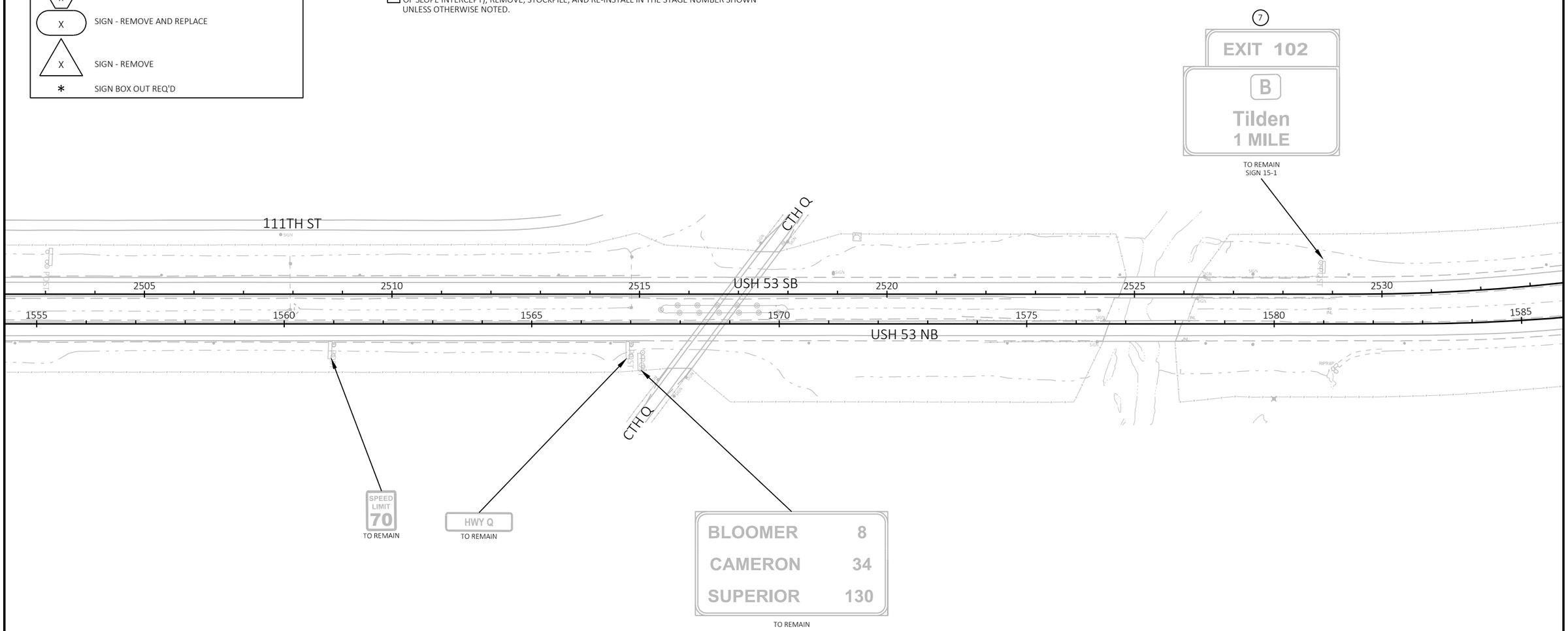
EDGE LINE AND LANE LINE MARKINGS ARE SHOWN IN SDD "PERMANENT LONGITUDINAL PAVEMENT MARKINGS"

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N



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PERMANENT SIGNING	SHEET 94	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 15

PLOT DATE : 6/21/2023 1:07 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

LEGEND

- EXISTING SIGN MOUNTED ON SINGLE POST
- MOVE EXISTING SIGN MOUNTED ON SINGLE POST
- EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- MOVE EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- PROPOSED SIGN MOUNTED ON MULTIPLE POSTS
- X — SIGN - MOVE
- X — SIGN - REMOVE AND REPLACE
- X — SIGN - REMOVE
- * — SIGN BOX OUT REQ'D

N

BUS 29/CTH X

SUNSHINE CIR

USH 53 NB/ BUS 29 EXIT RAMP

BUS 29 ENTRANCE RAMP

USH 53 SB/BUS 29 ENTRANCE RAMP

USH 53 SB/BUS 29 EXIT RAMP

USH 53 NB

USH 53 SB

16-5 — GAS 1.0 | FOOD 1.8 | 2.4 | 1.5 — MOVE

16-6 — MOVE

16-11 — ONE WAY — MOVE

DO NOT ENTER — MOVE

16-12 — NORTH 53 — TO REMAIN SIGN 16-12

16-14 — NORTH 53 — TO REMAIN SIGN 16-14

16-18 — SOUTH 53 — TO REMAIN SIGN 16-18

16-19 — EAU CLAIRE — TO REMAIN SIGN 16-19

16-20 — SUPERIOR — TO REMAIN SIGN 16-20

16-24 — SOUTH 53 — MOVE

16-27 — MOVE

16-28 — SOUTH 53 | NORTH 53 — TO REMAIN SIGN 16-28

16-30 — DO NOT ENTER — MOVE

ONE WAY — MOVE

STOP — MOVE

DIVIDED HIGHWAY — MOVE

16-34 — SOUTH 53 — TO REMAIN SIGN 16-34

CHIPPEWA FALLS / SUPERIOR / EAU CLAIRE — TO REMAIN

CHIPPEWA VALLEY REGIONAL AIRPORT — TO REMAIN SIGN 16-35

16-3 — NORTH 53 — TO REMAIN SIGN 16-3

EAU CLAIRE / MENOMONIE / SUPERIOR — TO REMAIN SIGN 16-2

16-15 — YIELD — MOVE

16-9 — MOVE

16-10 — STOP — MOVE

DIVIDED HIGHWAY — MOVE

16-31 — MOVE

PEDESTRIANS BICYCLES NON MOTORIZED TRAFFIC MOTOR BICYCLES PROHIBITED — MOVE

16-25

16-33 — YIELD — MOVE

16-29 — WRONG WAY — MOVE

16-32 — EAST BUSINESS 29 COUNTY X | WEST BUSINESS 29 COUNTY X — MOVE

SOUTH 53 | NORTH 53 | EAST BUSINESS 29 — TO REMAIN SIGN 16-36

16-1 — SOUTH 53 | NORTH 53 — TO REMAIN SIGN 16-1

16-13 — EAST BUSINESS 29 COUNTY X | WEST BUSINESS 29 COUNTY X — MOVE

16-4 — PEDESTRIANS BICYCLES NON MOTORIZED TRAFFIC MOTOR BICYCLES PROHIBITED — MOVE

16-8 — WRONG WAY — MOVE

16-7 — H — MOVE

CHIPPEWA FALLS / MENOMONIE — MOVE

16-16 — TOURIST INFORMATION — MOVE

16-17 — LODGING 3.0 | 2.2 — ATTRACTIONS 2.7 | 4.0 — MOVE

16-21 — WRONG WAY — MOVE

16-22 — MOVE

LODGING 3.0 | 2.2 — ATTRACTIONS 2.7 | 4.0 — TO REMAIN

16-23 — TOURIST INFORMATION — MOVE

16-26 — CHIPPEWA FALLS / MENOMONIE — MOVE

GAS 1.0 | FOOD 1.8 | 2.4 | 1.5 — TO REMAIN

432' FROM STA 110+00

NOTES

EXISTING SIGNS SHOWN PER FIELD REVIEW DURING THE SPRING OF 2019

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[X] SIGNS NOTED FOR MOVING MAY BE IN CONFLICT WITH PROPOSED GRADING (WITHIN 3-FEET OF SLOPE INTERCEPT); REMOVE, STOCKPILE, AND RE-INSTALL IN THE STAGE NUMBER SHOWN UNLESS OTHERWISE NOTED.

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PERMANENT SIGNING - BUS 29/CTH X RAMPS	SHEET 95	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 16

PLOT DATE : 6/21/2023 1:07 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

LEGEND

- EXISTING SIGN MOUNTED ON SINGLE POST
- MOVE EXISTING SIGN MOUNTED ON SINGLE POST
- EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- MOVE EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- PROPOSED SIGN MOUNTED ON MULTIPLE POSTS
- X — SIGN - MOVE
- X — SIGN - REMOVE AND REPLACE
- X — SIGN - REMOVE
- * — SIGN BOX OUT REQ'D

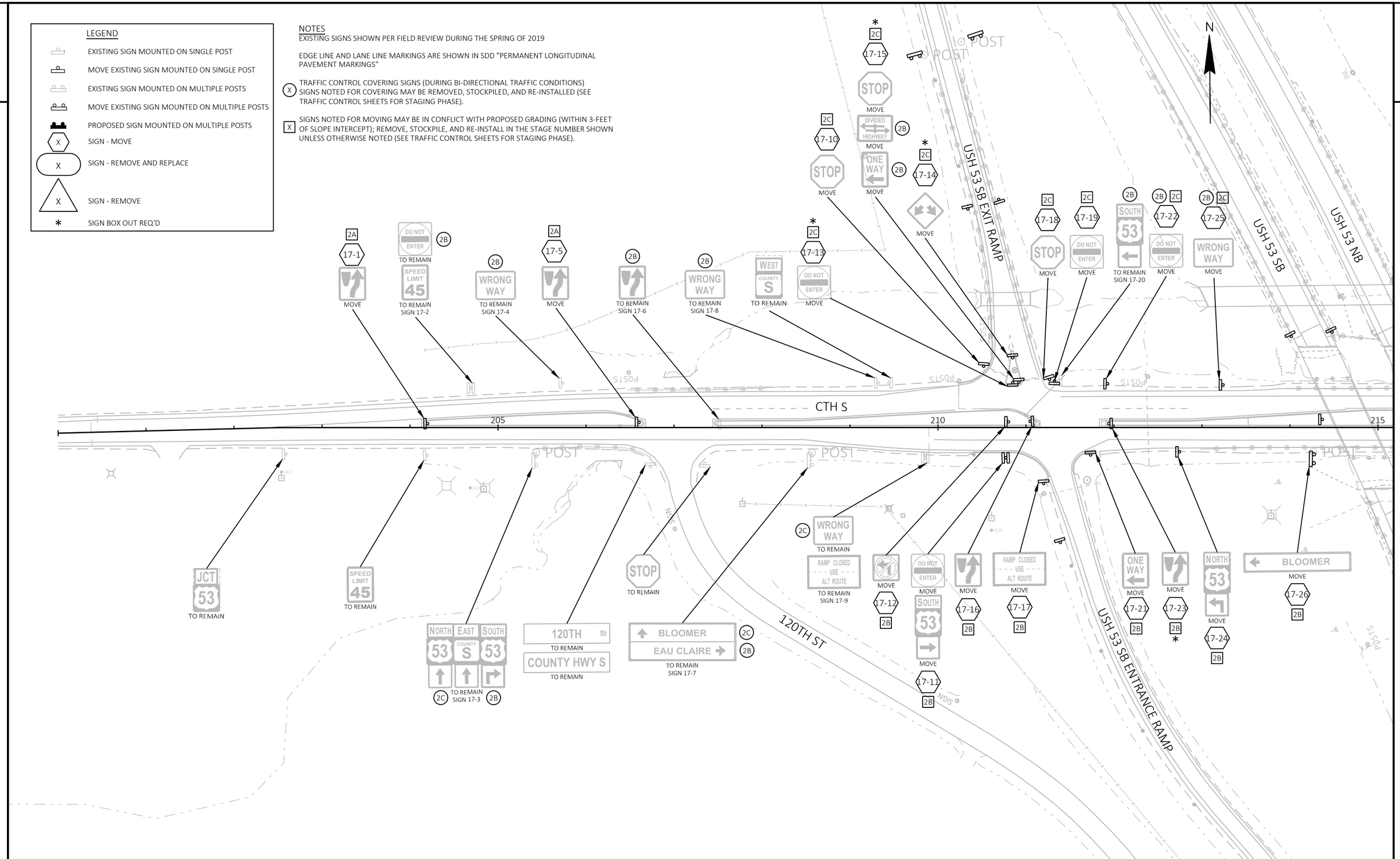
NOTES

EXISTING SIGNS SHOWN PER FIELD REVIEW DURING THE SPRING OF 2019

EDGE LINE AND LANE LINE MARKINGS ARE SHOWN IN SDD "PERMANENT LONGITUDINAL PAVEMENT MARKINGS"

(X) TRAFFIC CONTROL COVERING SIGNS (DURING BI-DIRECTIONAL TRAFFIC CONDITIONS) SIGNS NOTED FOR COVERING MAY BE REMOVED, STOCKPILED, AND RE-INSTALLED (SEE TRAFFIC CONTROL SHEETS FOR STAGING PHASE).

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PERMANENT SIGNING - CTH S	SHEET 96	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 17

PLOT DATE : 6/21/2023 1:08 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- EXISTING SIGN MOUNTED ON SINGLE POST
- MOVE EXISTING SIGN MOUNTED ON SINGLE POST
- EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- MOVE EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- PROPOSED SIGN MOUNTED ON MULTIPLE POSTS
- X — SIGN - MOVE
- X — SIGN - REMOVE AND REPLACE
- X — SIGN - REMOVE
- * SIGN BOX OUT REQ'D

NOTES

EXISTING SIGNS SHOWN PER FIELD REVIEW DURING THE SPRING OF 2019

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[X] SIGNS NOTED FOR MOVING MAY BE IN CONFLICT WITH PROPOSED GRADING (WITHIN 3-FEET OF SLOPE INTERCEPT); REMOVE, STOCKPILE, AND RE-INSTALL IN THE STAGE NUMBER SHOWN UNLESS OTHERWISE NOTED (SEE TRAFFIC CONTROL SHEETS FOR STAGING PHASE).

N

USH 53 NB ENTRANCE RAMP

CTH S

215

220

225

POST

18-2 EAU CLAIRE — MOVE

18-3 RAMP CLOSED USE ALT ROUTE — MOVE

18-4 SPEED LIMIT 45 — MOVE

18-6 SOUTH 53 — MOVE

18-7 * — MOVE

18-8 ONE WAY — MOVE

18-13 RAMP CLOSED USE ALT ROUTE — MOVE

18-14 — TO REMAIN

18-17 DO NOT ENTER — MOVE

NORTH 53 — MOVE

TO REMAIN

18-20 WRONG WAY — MOVE

RAMP CLOSED USE ALT ROUTE — MOVE

WRONG WAY — TO REMAIN

EAU CLAIRE / BLOOMER — TO REMAIN SIGN 18-22

TO REMAIN SIGN 18-25

DO NOT ENTER — TO REMAIN

SPEED LIMIT 45 — TO REMAIN SIGN 18-26

WRONG WAY — TO REMAIN

SOUTH 53 / WEST COUNTY S / NORTH 53 — TO REMAIN SIGN 18-27

SPEED LIMIT 45 — TO REMAIN — 1038' FROM STA 225+00

JCT 53 — TO REMAIN — 644' FROM STA 225+00

18-1 RAMP CLOSED USE ALT ROUTE — MOVE

18-5 WRONG WAY — MOVE

18-11 DO NOT ENTER — MOVE

18-10 NORTH 53 — MOVE

18-9 — MOVE

18-12 STOP — MOVE

18-15 * — MOVE

18-16 * ONE WAY — MOVE

DO NOT ENTER — MOVE

18-18 STOP — MOVE

TO REMAIN DIVIDED HIGHWAY

STOP — TO REMAIN

18-19 EAST COUNTY S — MOVE

SPEED LIMIT 45 — TO REMAIN

WRONG WAY — TO REMAIN SIGN 18-21

DO NOT ENTER — TO REMAIN SIGN 18-23

TO REMAIN SIGN 18-24

OLD ABE State Trail — TO REMAIN

WRONG WAY — TO REMAIN SIGN 18-28 — 494' FROM STA 225+00

DO NOT ENTER — TO REMAIN SIGN 18-29 — 650' FROM STA 225+00

TO REMAIN SIGN 18-30 — 700' FROM STA 225+00

SPEED LIMIT 45 — TO REMAIN — 1044' FROM STA 225+00

USH 53 SB

USH 53 NB

USH 53 NB EXIT RAMP

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PERMANENT SIGNING - CTH S	SHEET 97	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 18

PLOT DATE : 6/21/2023 1:08 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

- EXISTING SIGN MOUNTED ON SINGLE POST
- MOVE EXISTING SIGN MOUNTED ON SINGLE POST
- EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- MOVE EXISTING SIGN MOUNTED ON MULTIPLE POSTS
- PROPOSED SIGN MOUNTED ON MULTIPLE POSTS
- (X) SIGN - MOVE
- X SIGN - REMOVE AND REPLACE
- X SIGN - REMOVE
- * SIGN BOX OUT REQ'D

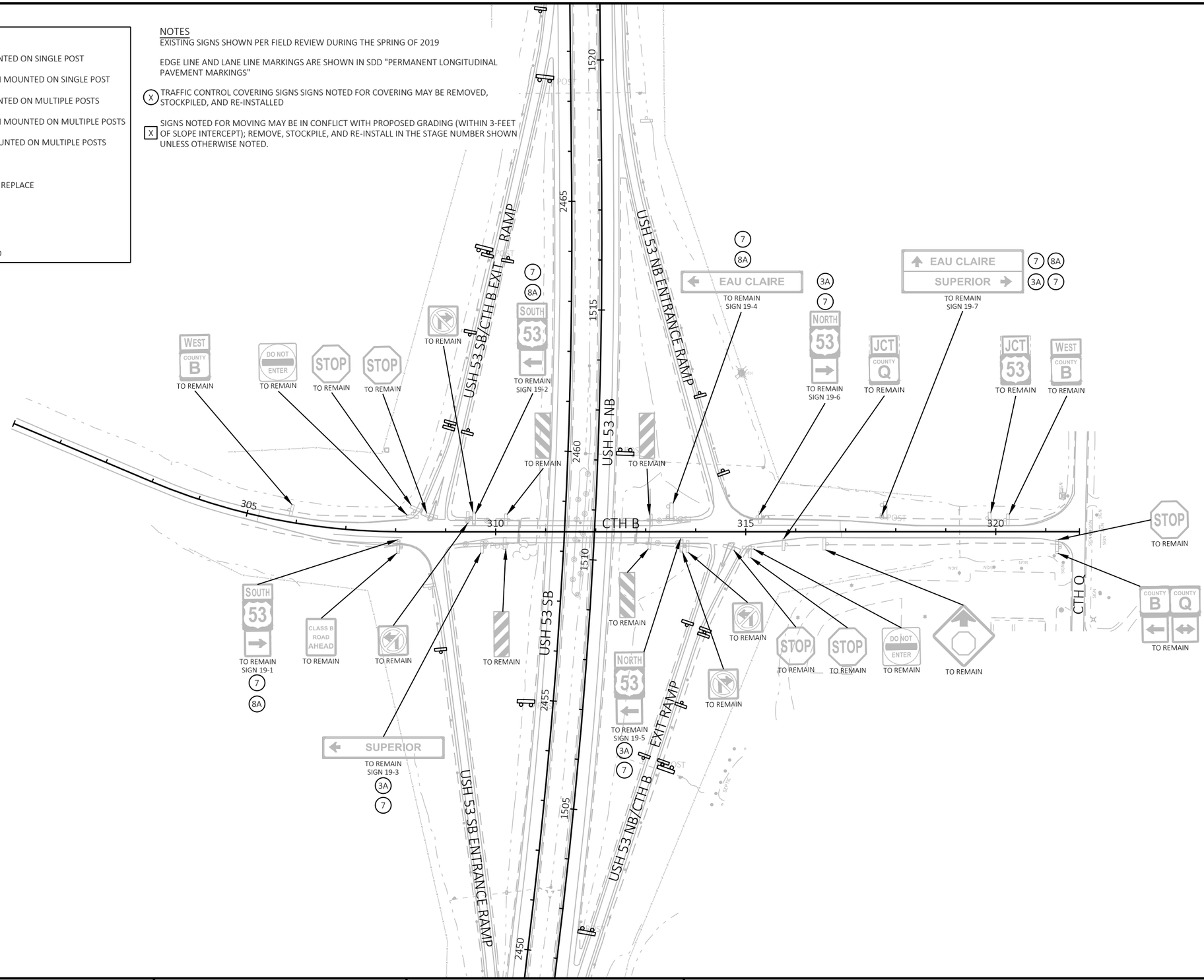
NOTES

EXISTING SIGNS SHOWN PER FIELD REVIEW DURING THE SPRING OF 2019

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[X] SIGNS NOTED FOR MOVING MAY BE IN CONFLICT WITH PROPOSED GRADING (WITHIN 3-FEET OF SLOPE INTERCEPT); REMOVE, STOCKPILE, AND RE-INSTALL IN THE STAGE NUMBER SHOWN UNLESS OTHERWISE NOTED.



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PERMANENT SIGNING - CTH B	SHEET 98	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 19

PLOT DATE : 6/21/2023 1:08 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:200 FT

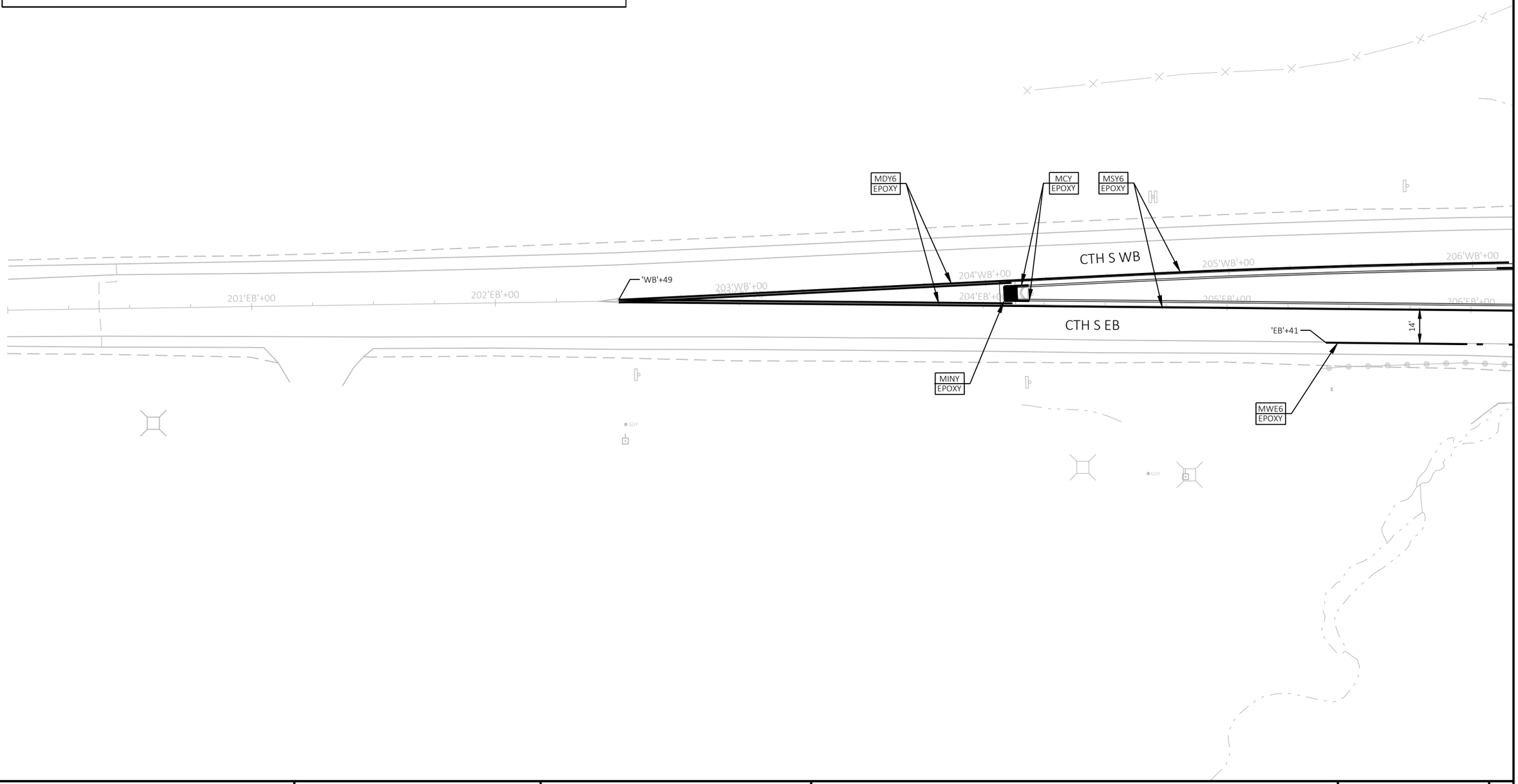
2

LEGEND

ARRW	MARKING ARROWS (WHITE)	MSY6	MARKING LINE SAME DAY 6-INCH (YELLOW)
EPOXY	EPOXY	MDY6	MARKING DOUBLE LINE SAME DAY 6-INCH (YELLOW)
GWRE	GROOVED WET REFLECTIVE EPOXY	MSL18	MARKING STOP LINE 18-INCH (WHITE)
MWC10	MARKING CHANNELIZING 10-INCH (WHITE)	MINY	MARKING ISLAND NOSE (YELLOW)
MWE6	MARKING EDGE LINE 6-INCH (WHITE)	MCY	MARKING CURB (YELLOW)
MWES6	MARKING EDGE LINE SKIP 6-INCH (WHITE) (3' LINE, 9' GAP)		

NOTE
SEE PAVEMENT MARKING SDDS FOR MORE INFORMATION IN STANDARD MARKING AREAS

N



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	MARKING - CTH S	SHEET 99	E

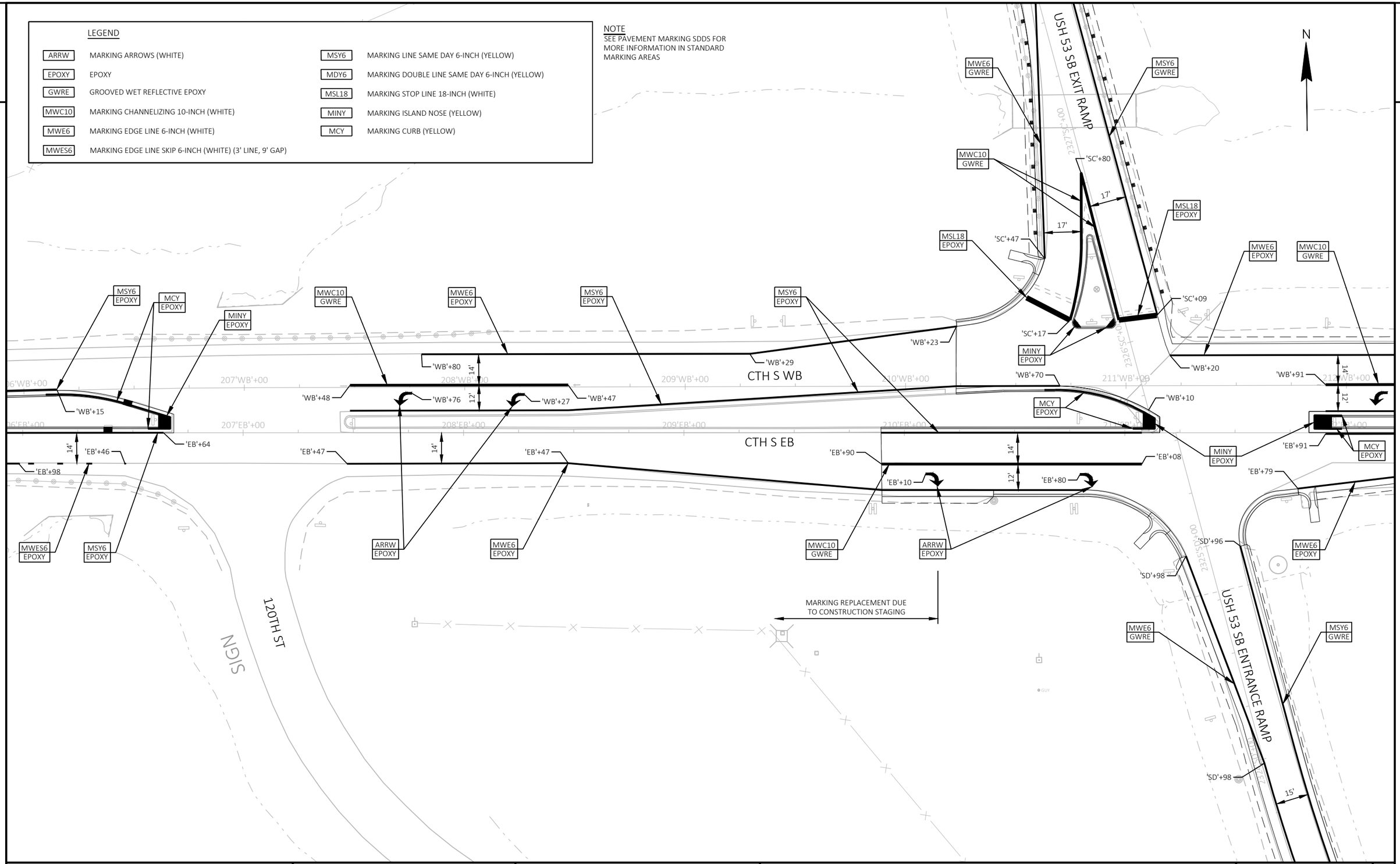
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 01
PLOT DATE : 6/21/2023 1:11 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

ARRW	MARKING ARROWS (WHITE)	MSY6	MARKING LINE SAME DAY 6-INCH (YELLOW)
EPOXY	EPOXY	MDY6	MARKING DOUBLE LINE SAME DAY 6-INCH (YELLOW)
GWRE	GROOVED WET REFLECTIVE EPOXY	MSL18	MARKING STOP LINE 18-INCH (WHITE)
MWC10	MARKING CHANNELIZING 10-INCH (WHITE)	MINY	MARKING ISLAND NOSE (YELLOW)
MWE6	MARKING EDGE LINE 6-INCH (WHITE)	MCY	MARKING CURB (YELLOW)
MWES6	MARKING EDGE LINE SKIP 6-INCH (WHITE) (3' LINE, 9' GAP)		

NOTE
SEE PAVEMENT MARKING SDDS FOR MORE INFORMATION IN STANDARD MARKING AREAS



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	MARKING - CTH S	SHEET 100	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 02

PLOT DATE : 6/21/2023 1:11 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

ARRW	MARKING ARROWS (WHITE)	MSY6	MARKING LINE SAME DAY 6-INCH (YELLOW)
EPOXY	EPOXY	MDY6	MARKING DOUBLE LINE SAME DAY 6-INCH (YELLOW)
GWRE	GROOVED WET REFLECTIVE EPOXY	MSL18	MARKING STOP LINE 18-INCH (WHITE)
MWC10	MARKING CHANNELIZING 10-INCH (WHITE)	MINY	MARKING ISLAND NOSE (YELLOW)
MWE6	MARKING EDGE LINE 6-INCH (WHITE)	MCY	MARKING CURB (YELLOW)
MWES6	MARKING EDGE LINE SKIP 6-INCH (WHITE) (3' LINE, 9' GAP)		

NOTE
SEE PAVEMENT MARKING SDDS FOR MORE INFORMATION IN STANDARD MARKING AREAS

SEE SDD 15C08-A LONGITUDINAL MARKING (MAINLINE) FOR ADDITIONAL INFORMATION

USH 53 NB

MWC10 GWRE

MWE6 EPOXY

MSY6 EPOXY

'WB'+86

'WB'+63

'WB'+67

'WB'+19

'WB'+66

14'

12'

CTH S WB

213'WB'+00

214'WB'+00

215'WB'+00

216'WB'+00

217'WB'+00

218'WB'+00

'EB'+79

'EB'+59

'EB'+73

'EB'+68

14'

12'

CTH S EB

213'EB'+00

214'EB'+00

215'EB'+00

217'EB'+00

218'EB'+00

ARRW EPOXY

MWE6 EPOXY

MSY6 EPOXY

ARRW EPOXY

MWC10 GWRE

USH 53 SB

SEE SDD 15C08-A LONGITUDINAL MARKING (MAINLINE) FOR ADDITIONAL INFORMATION

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	MARKING - CTH S	SHEET 101	E

2

2

LEGEND

ARRW	MARKING ARROWS (WHITE)
EPOXY	EPOXY
GWRE	GROOVED WET REFLECTIVE EPOXY
MWC10	MARKING CHANNELIZING 10-INCH (WHITE)
MWE6	MARKING EDGE LINE 6-INCH (WHITE)
MWES6	MARKING EDGE LINE SKIP 6-INCH (WHITE) (3' LINE, 9' GAP)
MSY6	MARKING LINE SAME DAY 6-INCH (YELLOW)
MDY6	MARKING DOUBLE LINE SAME DAY 6-INCH (YELLOW)
MSL18	MARKING STOP LINE 18-INCH (WHITE)
MINY	MARKING ISLAND NOSE (YELLOW)
MCY	MARKING CURB (YELLOW)

NOTE
SEE PAVEMENT MARKING SDDS FOR MORE INFORMATION IN STANDARD MARKING AREAS

N

USH 53 NB ENTRANCE RAMP

USH 53 NB EXIT RAMP

CTH S WB

CTH S EB

MARKING REPLACEMENT DUE TO CONSTRUCTION STAGING

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	MARKING - CTH S	SHEET 102 E

2

LEGEND

ARRW	MARKING ARROWS (WHITE)
EPOXY	EPOXY
GWRE	GROOVED WET REFLECTIVE EPOXY
MWC10	MARKING CHANNELIZING 10-INCH (WHITE)
MWE6	MARKING EDGE LINE 6-INCH (WHITE)
MWES6	MARKING EDGE LINE SKIP 6-INCH (WHITE) (3' LINE, 9' GAP)
MSY6	MARKING LINE SAME DAY 6-INCH (YELLOW)
MDY6	MARKING DOUBLE LINE SAME DAY 6-INCH (YELLOW)
MSL18	MARKING STOP LINE 18-INCH (WHITE)
MINY	MARKING ISLAND NOSE (YELLOW)
MCY	MARKING CURB (YELLOW)

NOTE
SEE PAVEMENT MARKING SDDS FOR MORE INFORMATION IN STANDARD MARKING AREAS

N

2

MWE6
EPOXY

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

CTH S WB

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

CTH S EB

14'

'EB'+49

MWE6
EPOXY

SIGN SIGN SIGN SIGN

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	MARKING - CTH S	SHEET 103 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 05

PLOT DATE : 6/21/2023 1:12 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

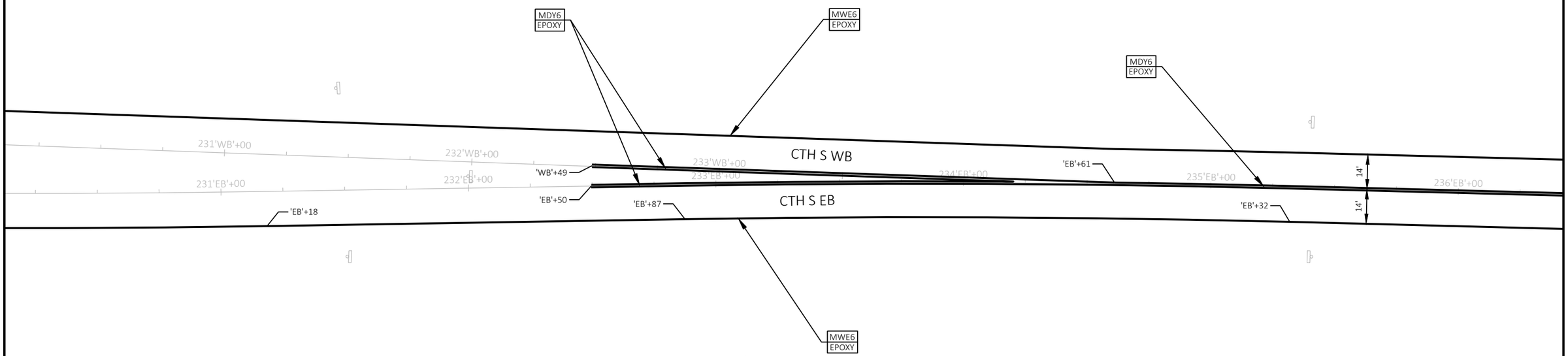
2

LEGEND

ARRW	MARKING ARROWS (WHITE)
EPOXY	EPOXY
GWRE	GROOVED WET REFLECTIVE EPOXY
MWC10	MARKING CHANNELIZING 10-INCH (WHITE)
MWE6	MARKING EDGE LINE 6-INCH (WHITE)
MWES6	MARKING EDGE LINE SKIP 6-INCH (WHITE) (3' LINE, 9' GAP)
MSY6	MARKING LINE SAME DAY 6-INCH (YELLOW)
MDY6	MARKING DOUBLE LINE SAME DAY 6-INCH (YELLOW)
MSL18	MARKING STOP LINE 18-INCH (WHITE)
MINY	MARKING ISLAND NOSE (YELLOW)
MCY	MARKING CURB (YELLOW)

NOTE
SEE PAVEMENT MARKING SDDS FOR MORE INFORMATION IN STANDARD MARKING AREAS

N



2

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	MARKING - CTH S	SHEET 104	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 06
PLOT DATE : 6/21/2023 1:13 PM
PLOT BY : ADMIN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

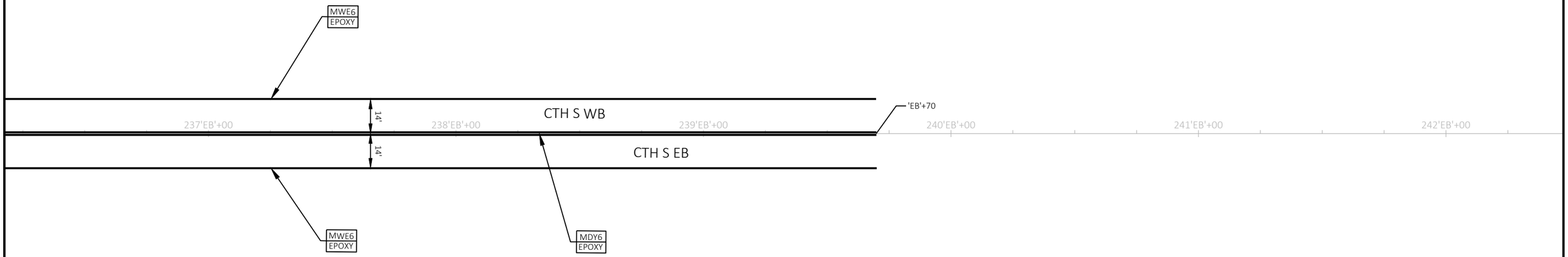
2

LEGEND

ARRW	MARKING ARROWS (WHITE)
EPOXY	EPOXY
GWRE	GROOVED WET REFLECTIVE EPOXY
MWC10	MARKING CHANNELIZING 10-INCH (WHITE)
MWE6	MARKING EDGE LINE 6-INCH (WHITE)
MWES6	MARKING EDGE LINE SKIP 6-INCH (WHITE) (3' LINE, 9' GAP)
MSY6	MARKING LINE SAME DAY 6-INCH (YELLOW)
MDY6	MARKING DOUBLE LINE SAME DAY 6-INCH (YELLOW)
MSL18	MARKING STOP LINE 18-INCH (WHITE)
MINY	MARKING ISLAND NOSE (YELLOW)
MCY	MARKING CURB (YELLOW)

NOTE
SEE PAVEMENT MARKING SDDS FOR MORE INFORMATION IN STANDARD MARKING AREAS

N



2

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	MARKING - CTH S	SHEET 105	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 07

PLOT DATE : 6/21/2023 1:13 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

ORDER OF TRAFFIC CONTROL PLAN SHEETS

1. TRAFFIC CONTROL - OVERVIEW
2. TRAFFIC CONTROL - SOUTH END LANE CLOSURE DETAILS
   - OUTSIDE LANE CLOSURE
   - INSIDE LANE CLOSURE
3. TRAFFIC CONTROL - RAMP/ROADWAY CLOSURE AND WIDTH RESTRICTION OVERVIEWS
   - BUS 29 INTERCHANGE
   - CTH S INTERCHANGE
   - CTH B INTERCHANGE
4. TRAFFIC CONTROL - STAGE SPECIFIC SHEETS (SOME STAGES DO NOT HAVE ALL SHEETS LISTED)
   - STAGE OVERVIEW
   - TYPICAL SECTIONS
   - DETAIL SHEETS
   - DETOUR (STAGE 10)

LEGEND

MB — TRAFFIC CONTROL SIGN PCMS

(1) — SEE SDD "TRAFFIC CONTROL, LANE CLOSURE, BASIC TRAFFIC QUEUE WARNING SYSTEM" AND INCLUDE SIGN W03-5 AND R2-1 (55MPH) AT LOCATIONS SPECIFIED IN SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" FOR STAGES 3, 5, 8, AND 10

(2) — SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC"

(3) — SEE TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL IN SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC"

TRAFFIC CONTROL SIGNS PCMS AND DMS MESSAGES

	PRIOR TO CONSTRUCTION		** TRAFFIC PATTERN CHANGE		** EMERGENCY	
PCMS SIGN LOCATION	PHASE 1 (2 SEC)	PHASE 2 (2 SEC)	PHASE 1 (2 SEC)	PHASE 2 (2 SEC)	PHASE 1 (2 SEC)	PHASE 2 (2 SEC)
DMS 628 (USH 53 NB) 0.2 MILES NORTH OF THE MELBY ST ENT RAMP GORE	USH 53 WORK STARTS	WEEK DAY STARTING DATE	LEFT LANE CLOSED	USE RIGHT LANE	CRASH AHEAD X MILES	CONSIDER ALTERNATE ROUTE
USH 53 NB 0.2 MILES NORTH OF THE STH 29 WB EXIT RAMP GORE	USH 53 WORK STARTS	WEEK DAY STARTING DATE	LANE SHIFT AHEAD	FOLLOW SIGNS	CRASH AHEAD X MILES	BE PREPARED TO STOP
USH 53 SB 0.3 MILES NORTH OF CTH Q	USH 53 WORK STARTS	WEEK DAY STARTING DATE	LANE CLOSURES	WEEK DAY STARTING DATE	ROAD CLOSED X MILES	ALL TRAFFIC EXIT RT

PCMS GENERAL NOTES

ADJUST TRAFFIC CONTROL PCMS AND DMS MESSAGES AS NEEDED BASED ON CONSTRUCTION SCHEDULE. CONFIRM MESSAGES WITH THE ENGINEER BEFORE IMPLEMENTING

CONSIDER GEOMETRICS WHEN LOCATING MESSAGE BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE BOARD FOR A MINIMUM OF 1,000 FEET IN FRONT OF THE MESSAGE BOARD. PLACE MESSAGE BOARDS AS FAR AWAY FROM LIVE TRAFFIC LANES AS POSSIBLE WITHOUT HAMPERING VISIBILITY

PLACE TRAFFIC CONTROL SIGNS PCMS AND DMS AND DISPLAY THE MESSAGE 7 DAYS PRIOR TO THE EXPECTED START OF THE PROPOSED WORK. ADJUST THE MESSAGE DATE ACCORDINGLY

** EXAMPLE MESSAGES PROVIDED, ADJUST MESSAGES TO REFLECT CURRENT SITUATION

ADDITIONAL PCMS SHOWN ON OTHER TRAFFIC CONTROL PLAN SHEETS

TRAFFIC CONTROL GENERAL NOTES

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

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

3. ALL TYPE III BARRICADES SHALL BE EQUIPPED WITH TYPE "A" (LOW INTENSITY FLASHING) LIGHTS PER SDDS

4. REDUCE THE REGULATORY SPEED LIMIT TO 55 MPH WHEN USH 53 TRAFFIC IS REDUCED TO A SINGLE LANE IN THAT DIRECTION.

5. SEE DETAIL FOR "TRAFFIC CONTROL FOR CROSSOVER THAT IS NOT IN USE" IN SDD "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR TRAFFIC CONTROL DEVICES DURING PERIODS WHEN TEMPORARY CROSSOVERS ARE NOT IN USE.

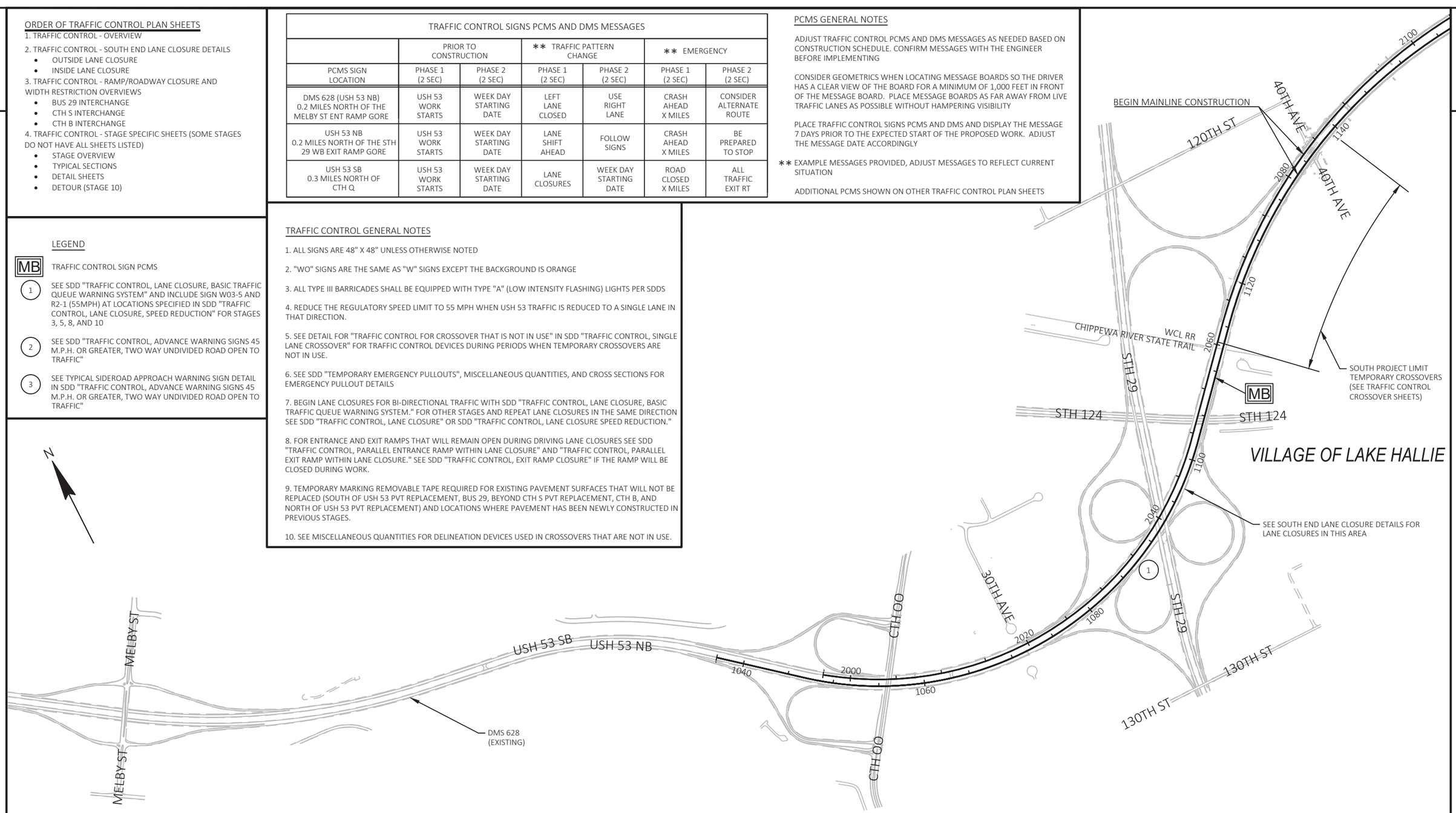
6. SEE SDD "TEMPORARY EMERGENCY PULLOUTS", MISCELLANEOUS QUANTITIES, AND CROSS SECTIONS FOR EMERGENCY PULLOUT DETAILS

7. BEGIN LANE CLOSURES FOR BI-DIRECTIONAL TRAFFIC WITH SDD "TRAFFIC CONTROL, LANE CLOSURE, BASIC TRAFFIC QUEUE WARNING SYSTEM." FOR OTHER STAGES AND REPEAT LANE CLOSURES IN THE SAME DIRECTION SEE SDD "TRAFFIC CONTROL, LANE CLOSURE" OR SDD "TRAFFIC CONTROL, LANE CLOSURE SPEED REDUCTION."

8. FOR ENTRANCE AND EXIT RAMPS THAT WILL REMAIN OPEN DURING DRIVING LANE CLOSURES SEE SDD "TRAFFIC CONTROL, PARALLEL ENTRANCE RAMP WITHIN LANE CLOSURE" AND "TRAFFIC CONTROL, PARALLEL EXIT RAMP WITHIN LANE CLOSURE." SEE SDD "TRAFFIC CONTROL, EXIT RAMP CLOSURE" IF THE RAMP WILL BE CLOSED DURING WORK.

9. TEMPORARY MARKING REMOVABLE TAPE REQUIRED FOR EXISTING PAVEMENT SURFACES THAT WILL NOT BE REPLACED (SOUTH OF USH 53 PVT REPLACEMENT, BUS 29, BEYOND CTH S PVT REPLACEMENT, CTH B, AND NORTH OF USH 53 PVT REPLACEMENT) AND LOCATIONS WHERE PAVEMENT HAS BEEN NEWLY CONSTRUCTED IN PREVIOUS STAGES.

10. SEE MISCELLANEOUS QUANTITIES FOR DELINEATION DEVICES USED IN CROSSOVERS THAT ARE NOT IN USE.



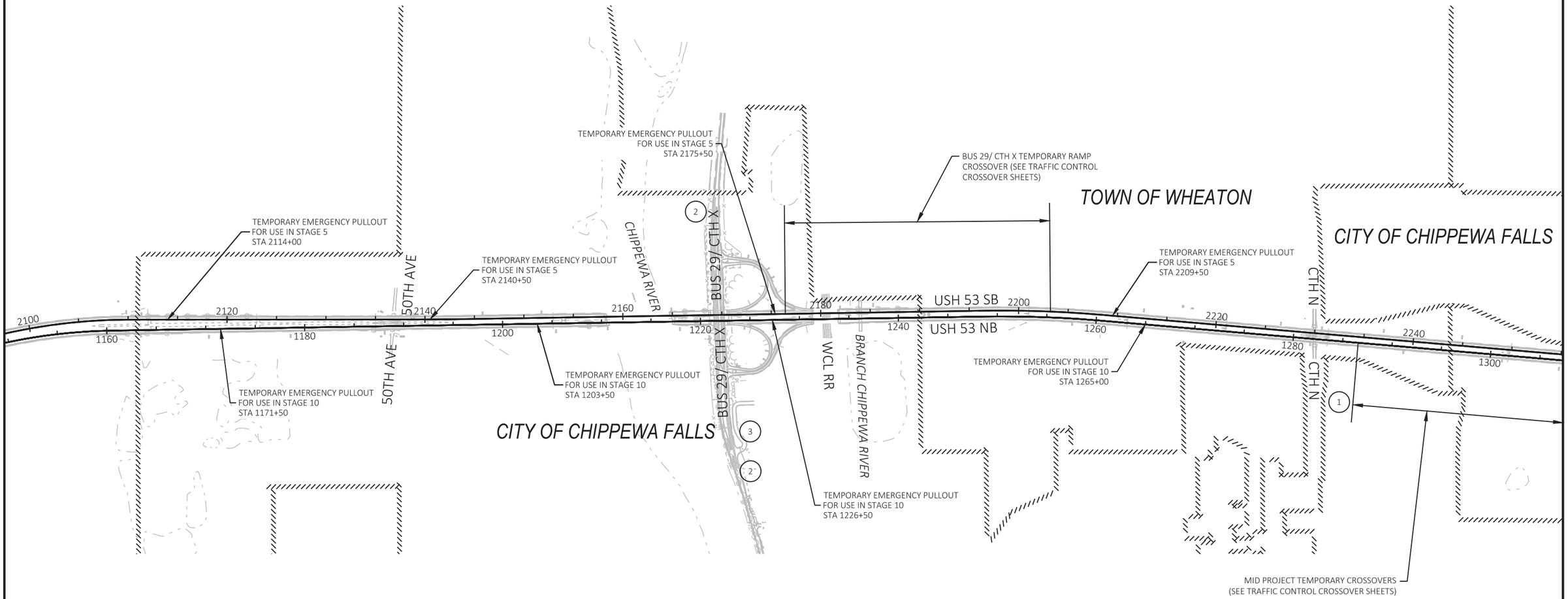
LEGEND

MB TRAFFIC CONTROL SIGN PCMS

1 SEE SDD "TRAFFIC CONTROL, LANE CLOSURE, BASIC TRAFFIC QUEUE WARNING SYSTEM" AND INCLUDE SIGN W03-5 AND R2-1 (55MPH) AT LOCATIONS SPECIFIED IN SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" FOR STAGES 3, 5, 8, AND 10

2 SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC"

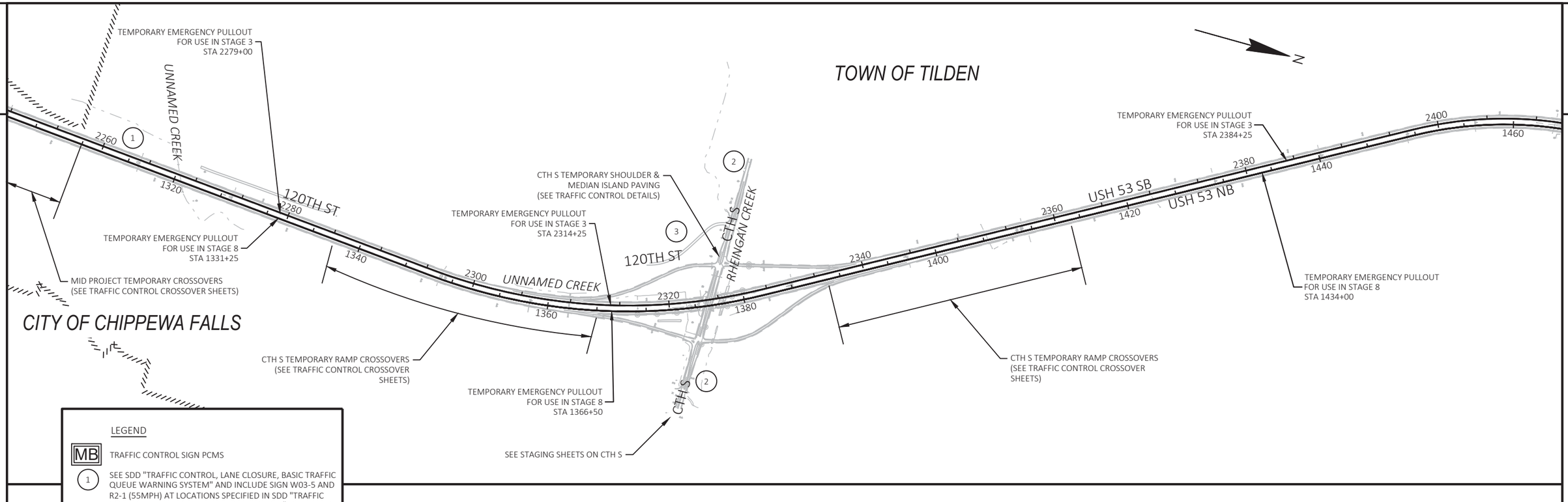
3 SEE TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL IN SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC"



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - OVERVIEW	SHEET 107	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025000-TC.DWG
LAYOUT NAME - 02

PLOT DATE : 7/14/2021 12:06 PM PLOT BY : ERIK OLESON PLOT NAME : PLOT SCALE : 1 IN:1000 FT



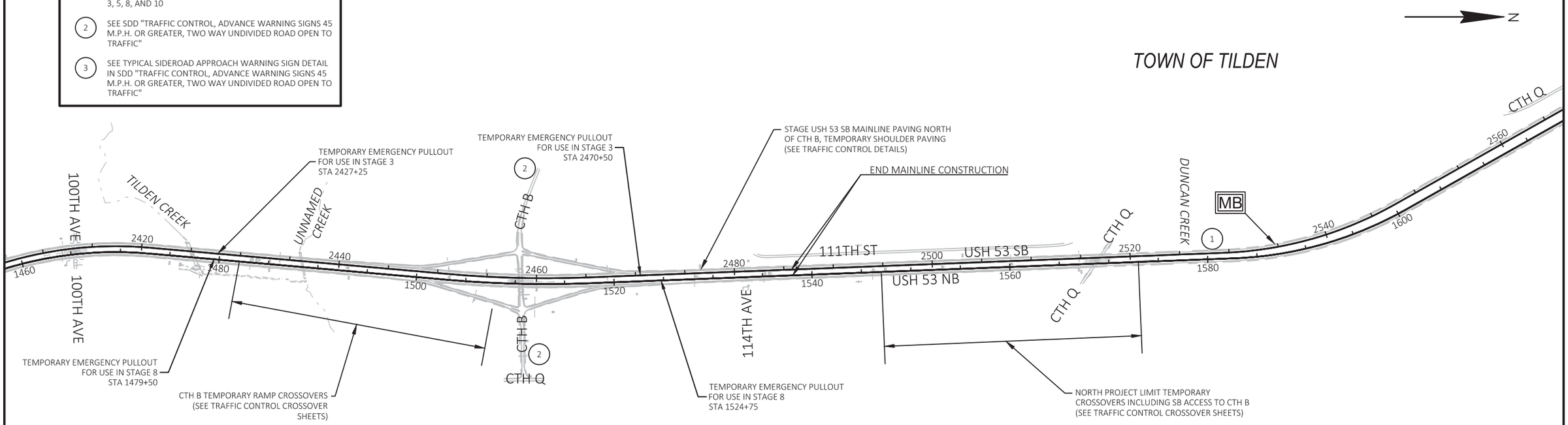
LEGEND

MB — TRAFFIC CONTROL SIGN PCMS

1 — SEE SDD "TRAFFIC CONTROL, LANE CLOSURE, BASIC TRAFFIC QUEUE WARNING SYSTEM" AND INCLUDE SIGN W03-5 AND R2-1 (55MPH) AT LOCATIONS SPECIFIED IN SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" FOR STAGES 3, 5, 8, AND 10

2 — SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC"

3 — SEE TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL IN SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC"



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - OVERVIEW	SHEET 108	E

2

2

LEGEND

TYPE III BARRICADE

TYPE III BARRICADE WTH ATTACHED SIGN

TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)

TRAFFIC CONTROL FLASHING ARROW

DIRECTION OF TRAFFIC

TEMPORARY MARKING REMOVABLE MASK OUT TAPE

TW — TEMPORARY MARKING LINE 6-INCH (WHITE)

TY — TEMPORARY MARKING LINE 6-INCH (YELLOW)

T10 — TEMPORARY MARKING LINE 10-INCH (WHITE)

S — BASIC TRAFFIC QUEUE WARNING SYSTEM PORTABLE TRAFFIC SENSOR

NOTES

USE DETAIL IN STAGE 5

TRAFFIC FLOW ARROWS ONLY SHOWN IN AREA OF LANE CLOSURE

SEE SDD "TRAFFIC CONTROL, LANE CLOSURE, BASIC TRAFFIC QUEUE WARNING SYSTEM" FOR ADVANCED WARNING SIGNS

USH 53 SB/STH 29 EB EXIT

STH 29 EB

STH 29 WB

STH 124 EB

USH 53 SB

USH 53 NB

USH 53 NB/STH 29 WB EXIT

USH 53 NB/STH 29 WB ENTRANCE

USH 53 SB/STH 29 EB EXIT

+78

+99

+14

50' TYP

720' TAPER

500' BUFFER

100' TYP

LANE CLOSED
R11-2L
48"X30"

W3-2
48"X48"

ROAD WORK AHEAD
W20-1A

YIELD
R1-2
48"X41"

W9A-1R

RIPRAP

SIGN

INL

MH

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - SOUTH END - OUTSIDE LANE CLOSURE DETAIL	SHEET 109	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025003-TC.DWG
LAYOUT NAME - 01

PLOT DATE : 10/2/2023 10:37 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- TRAFFIC CONTROL FLASHING ARROW
- DIRECTION OF TRAFFIC
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- TW — TEMPORARY MARKING LINE 6-INCH (WHITE)
- TY — TEMPORARY MARKING LINE 6-INCH (YELLOW)
- T10 — TEMPORARY MARKING LINE 10-INCH (WHITE)
- S — BASIC TRAFFIC QUEUE WARNING SYSTEM PORTABLE TRAFFIC SENSOR

NOTE

USE DETAIL IN STAGE 5

TRAFFIC FLOW ARROWS ONLY SHOWN IN AREA OF LANE CLOSURE

N

CANADIAN NATIONAL RAILWAY

STH 124 EB

STH 124 WB

SEE "TRAFFIC CONTROL - STAGE 5 - DETAIL - TEMP CROSSOVER - SOUTH PROJECT LIMIT" SHEETS FOR ADDITIONAL DEVICES AND INFORMATION RELATED TO THE TRAFFIC ON THE SOUTH CROSSOVER

TEMPORARY MARKING LINE 6-INCH (WHITE, 3' LINE, 9' GAP)

2050 2052 2054 2056 2058 2060 2062 2064

USH 53 SB

USH 53 NB

USH 53 NB/STH 29 WB ENTRANCE

TW

50' TYP

T10

INL

12' TYP

+22

+03

1104 1106 1108 1110 1112 1114 1116 1118

25' TYP

600'

300' TAPER

LANE CLOSED
R11-2L
48"X30"

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - SOUTH END - OUTSIDE LANE CLOSURE DETAIL	SHEET 110	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025003-TC.DWG
LAYOUT NAME - 02

PLOT DATE : 10/2/2023 10:38 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

TYPE III BARRICADE

TYPE III BARRICADE WTH ATTACHED SIGN

TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)

TRAFFIC CONTROL FLASHING ARROW

DIRECTION OF TRAFFIC

TEMPORARY MARKING REMOVABLE MASK OUT TAPE

TW TEMPORARY MARKING LINE 6-INCH (WHITE)

TY TEMPORARY MARKING LINE 6-INCH (YELLOW)

T10 TEMPORARY MARKING LINE 10-INCH (WHITE)

NOTE

USE DETAIL IN STAGES 1A, 6B, AND 11

TRAFFIC FLOW ARROWS ONLY SHOWN IN AREA OF LANE CLOSURE

N

USH 53 SB/STH 29 EB EXIT

STH 29 EB

STH 29 WB

USH 53 SB

USH 53 NB

USH 53 NB/STH 29 WB EXIT

USH 53 NB/STH 29 WB ENTRANCE

LANE CLOSED
R11-2L
48"x30"

720' TAPER

10' TYP

50' TYP

24' TYP

12' TYP

100' TYP

800' MIN. BUFFER

+78

+99

+14

T10

TW

TY

SEE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" FOR ADVANCED WARNING SIGNS

RIPRAP

SIGN

INL

MH

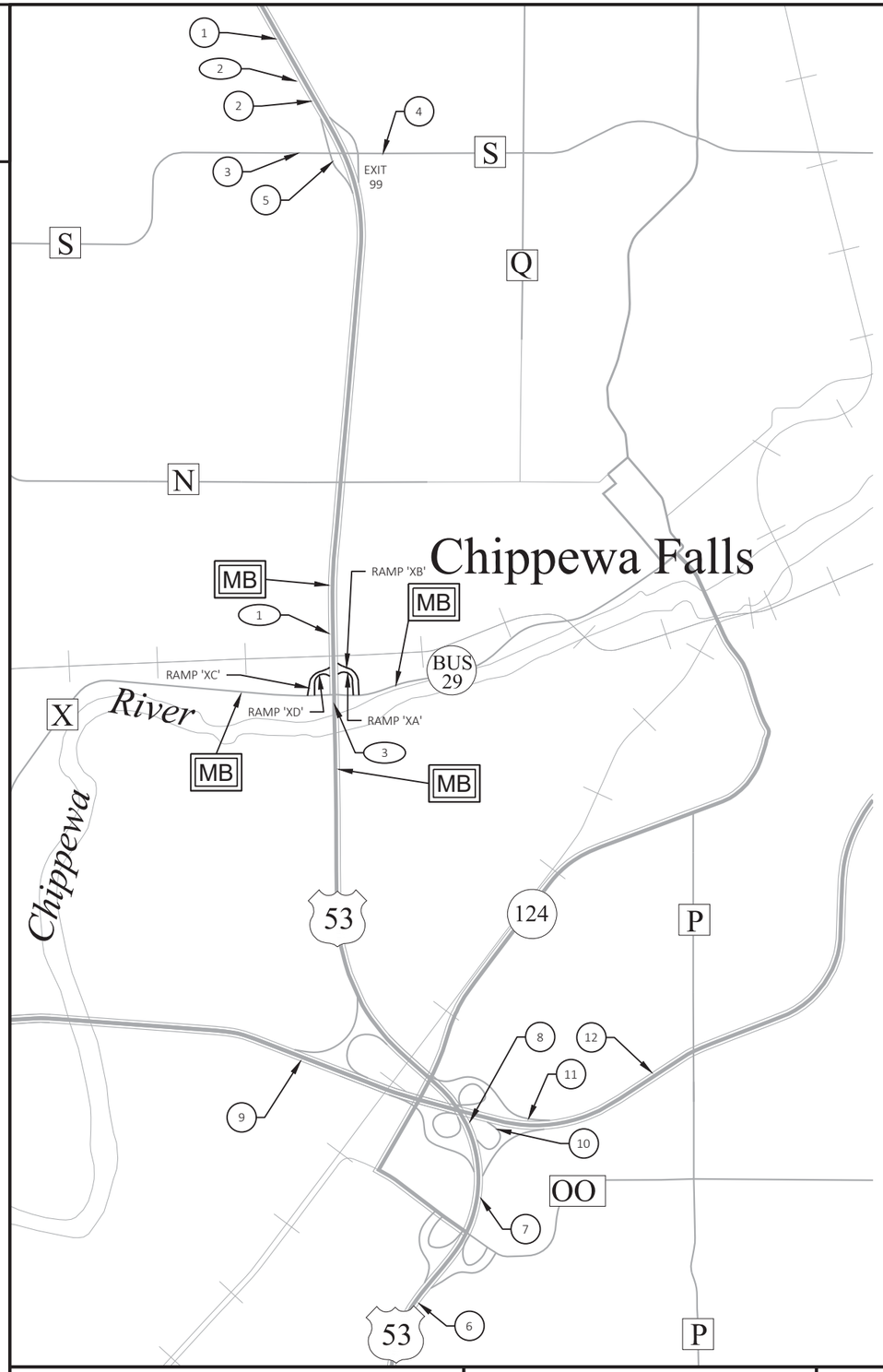
2034 2036 2038 2040 2042 2044 2046 2048 1086 1088 1090 1092 1094 1096 1098 1100

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - SOUTH END - INSIDE LANE CLOSURE DETAIL	SHEET 111	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025004-TC.DWG
LAYOUT NAME - 01

PLOT DATE : 6/21/2023 1:19 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42



N

LEGEND

MB — TRAFFIC CONTROL SIGN PCMS

CLOSED RAMP

RAMP CLOSURE SUMMARY

RAMP 'XA': STAGES 5, 6, & 11B
RAMP 'XB': STAGES 5, 6, & 11B
RAMP 'XC': STAGE 6, 10, & 11B
RAMP 'XD': STAGES 6, 10, & 11B

C RAMPS 'XA' AND 'XB' WILL BE CLOSED CONTINUOUSLY THROUGH STAGES 5 AND 6.

NOTES

IN ADDITION TO THE DEVICES SHOWN ON THIS SHEET IMPLEMENT THE FOLLOWING DURING RAMP CLOSURES:

- FOR USH 53 ENTRANCE RAMP CLOSURES:
  - SEE DETAIL D OF SDD "BARRICADES AND SIGN FOR VARIOUS CLOSURES" FOR BARRICADES AND SIGNS AT THE RAMP INTERSECTIONS.
  - SEE TRAFFIC CONTROL DETAIL SHEETS FOR TRAFFIC CONTROL DEVICES, SIGNS, AND COVERING SIGNS DURING ENTRANCE RAMP CLOSURES.
- FOR USH 53 EXIT RAMP CLOSURES:
  - SEE SDD "TRAFFIC CONTROL EXIT RAMP CLOSURE" FOR TRAFFIC CONTROL DEVICES, SIGNS, AND COVERING TYPE II AND TYPE II SIGNS ON USH 53.

ADJUST TRAFFIC CONTROL PCMS MESSAGES AS NEEDED BASED ON CONSTRUCTION SCHEDULE.

CONSIDER GEOMETRICS WHEN LOCATING MESSAGE BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE BOARD FOR A MINIMUM OF 1,000 FEET IN FRONT OF THE MESSAGE BOARD. PLACE MESSAGE BOARDS AS FAR AWAY FROM LIVE TRAFFIC LANES AS POSSIBLE WITHOUT HAMPERING VISIBILITY.

PLACE TRAFFIC CONTROL SIGNS PCMS AND DISPLAY THE MESSAGE 7 DAYS PRIOR TO THE EXPECTED START OF THE PROPOSED WORK.

RAMP CLOSURE SIGNS

PLACE THE FOLLOWING SIGNS IN THE STAGES INDICATED.



W6-54
132"X48"

(1) STAGE: 10



FMS
138"X54"

(2) STAGES: 6, 10, & 11B

(3) STAGES: 5, 6, & 11B

ADVANCED WARNING FOR LANE WIDTH RESTRICTIONS

PLACE THE FOLLOWING ADVANCED WIDTH RESTRICTION WARNING SIGNS ON USH 53, STH 29, AND CTH S AT THE FOLLOWING LOCATIONS DURING STAGE 11B.

(1)



W12-52
48"X48"

WO57-52
48"X36"

(2) (8)



R12-70B
114"X42"

(3) (4)



M3-3
36"X18"

M1-4
36"X36"



W12-52
48"X48"

(5) (11)



W12-52
48"X48"

(6)



W12-52
48"X48"

(8)



W12-52
48"X48"

(9) (10) (12)



M3-1
36"X18"

M1-4
36"X36"



WO57-52
48"X36"



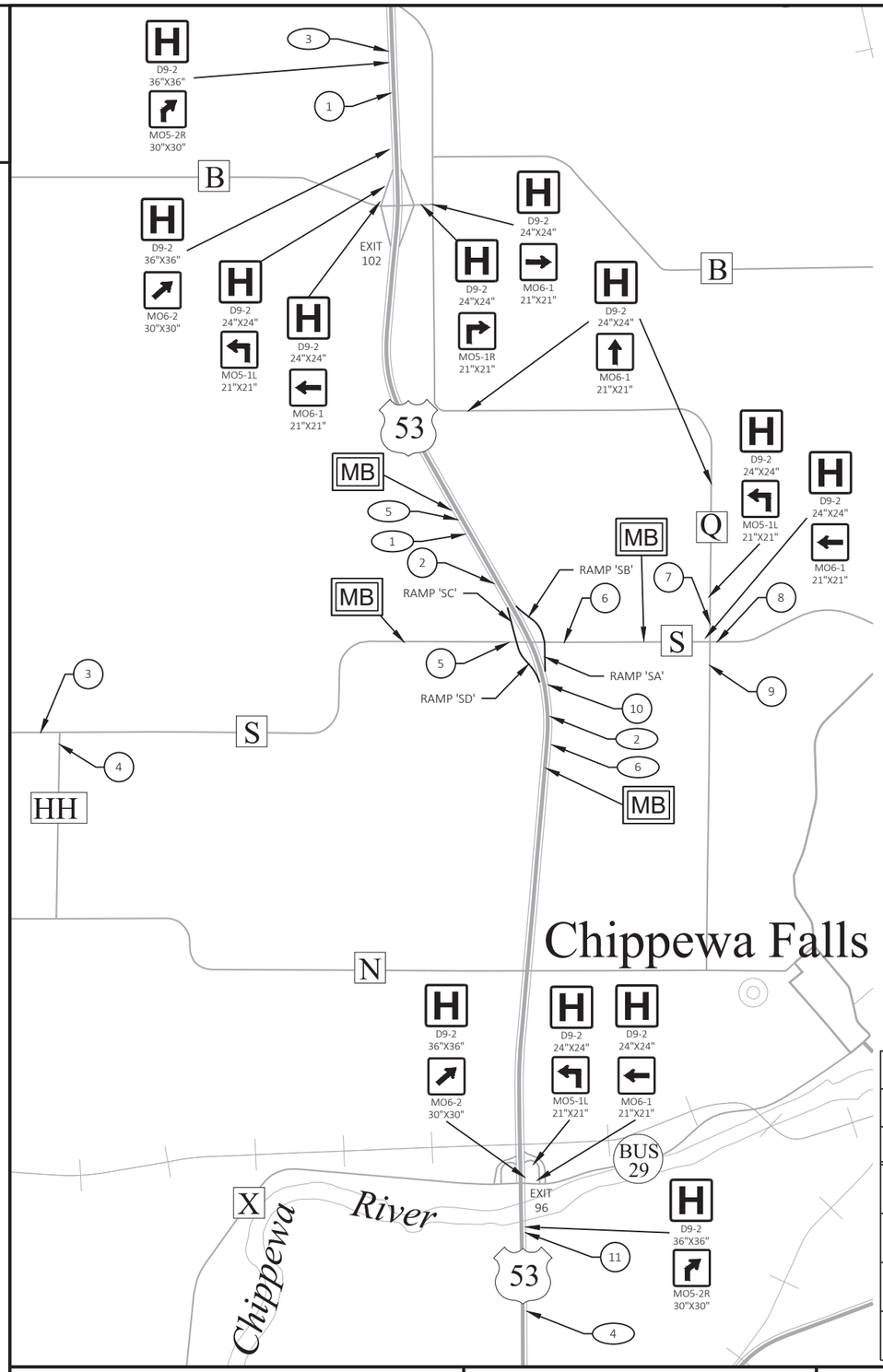
WO57-52
48"X36"



W12-52
48"X48"

TRAFFIC CONTROL SIGNS PCMS MESSAGES (BUS 29 INTERCHANGE)

	PRIOR TO STAGE 5		PRIOR TO STAGE 6		PRIOR TO STAGE 10		PRIOR TO STAGE 11B	
PCMS SIGN LOCATION	PHASE 1 (2 SEC)	PHASE 2 (2 SEC)	PHASE 1 (2 SEC)	PHASE 2 (2 SEC)	PHASE 1 (2 SEC)	PHASE 2 (2 SEC)	PHASE 1 (2 SEC)	PHASE 2 (2 SEC)
USH 53 NB	HWY X RAMP TO CLOSE	XXXDAY XX XX XX	-- C	-- C	--	--	HWY X RAMP TO CLOSE	XXXDAY XX XX XX
USH 53 SB	--	--	HWY X RAMP TO CLOSE	XXXDAY XX XX XX	HWY X RAMP TO CLOSE	XXXDAY XX XX XX	HWY X RAMPS TO CLOSE	XXXDAY XX XX XX
BUS 29 EB	HWY 53 N RAMP TO CLOSE	XXXDAY XX XX XX	HWY 53 RAMP TO CLOSE	XXXDAY XX XX XX	HWY 53 S RAMP TO CLOSE	XXXDAY XX XX XX	HWY 53 S RAMPS TO CLOSE	XXXDAY XX XX XX
BUS 29 WB	HWY 53 N RAMP TO CLOSE	XXXDAY XX XX XX	HWY 53 RAMP TO CLOSE	XXXDAY XX XX XX	HWY 53 S RAMP TO CLOSE	XXXDAY XX XX XX	HWY 53 S RAMPS TO CLOSE	XXXDAY XX XX XX



LEGEND

MB — TRAFFIC CONTROL SIGN PCMS

CLOSED RAMP

RAMP CLOSURE SUMMARY

RAMP 'SA': STAGE 2B
RAMP 'SB': STAGE 2C
RAMP 'SC': STAGE 2C
RAMP 'SD': STAGE 2B

NOTES

IN ADDITION TO THE DEVICES SHOWN ON THIS SHEET IMPLEMENT THE FOLLOWING DURING RAMP CLOSURES:

- FOR USH 53 ENTRANCE RAMP CLOSURES:
  - SEE DETAIL D OF SDD "BARRICADES AND SIGN FOR VARIOUS CLOSURES" FOR BARRICADES AND SIGNS AT THE RAMP INTERSECTIONS.
  - SEE TRAFFIC CONTROL DETAIL SHEETS FOR TRAFFIC CONTROL DEVICES, SIGNS, AND COVERING SIGNS DURING ENTRANCE RAMP CLOSURES.
- FOR USH 53 EXIT RAMP CLOSURES:
  - SEE SDD "TRAFFIC CONTROL EXIT RAMP CLOSURE" FOR TRAFFIC CONTROL DEVICES, SIGNS, AND COVERING TYPE II AND TYPE II SIGNS ON USH 53.

ADJUST TRAFFIC CONTROL PCMS MESSAGES AS NEEDED BASED ON CONSTRUCTION SCHEDULE.

CONSIDER GEOMETRICS WHEN LOCATING MESSAGE BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE BOARD FOR A MINIMUM OF 1,000 FEET IN FRONT OF THE MESSAGE BOARD. PLACE MESSAGE BOARDS AS FAR AWAY FROM LIVE TRAFFIC LANES AS POSSIBLE WITHOUT HAMPERING VISIBILITY.

PLACE TRAFFIC CONTROL SIGNS PCMS AND DISPLAY THE MESSAGE 7 DAYS PRIOR TO THE EXPECTED START OF THE PROPOSED WORK.

RAMP CLOSURE SIGNS

PLACE THE FOLLOWING SIGNS IN THE STAGES INDICATED.

NO RE-ENTRY TO FREEWAY
W6-54
132"X48"
(1) STAGE: 2B
(2) STAGE: 2C

HOSPITAL EXIT 99
COVERING SIGNS
(5) STAGE: 2C
(6) STAGE: 2B

HWY S RAMP CLOSED USE EXIT 102
G20-56
120"X54"
(3) STAGE: 2C

HWY S RAMP CLOSED USE EXIT 96
G20-56
120"X54"
(4) STAGE: 2B

ADVANCED WARNING FOR LANE WIDTH RESTRICTIONS

PLACE THE FOLLOWING ADVANCED WIDTH RESTRICTION WARNING SIGNS ON USH 53 AT THE FOLLOWING LOCATIONS DURING STAGE 2B FOR CTH S.

(1) (2)

COUNTY S
M1-5A
36"X36"

MAX. 10.5 WIDTH
W12-52
48"X48"

ADVANCED WARNING FOR LANE WIDTH RESTRICTIONS

PLACE THE FOLLOWING ADVANCED WIDTH RESTRICTION WARNING SIGNS ON USH 53 AT THE FOLLOWING LOCATIONS DURING STAGE 2C FOR CTH S.

(10) (11)

COUNTY S
M1-5A
36"X36"

MAX. 10.5 WIDTH
W12-52
48"X48"

ADVANCED WARNING FOR LANE WIDTH RESTRICTIONS

PLACE THE FOLLOWING ADVANCED WIDTH RESTRICTION WARNING SIGNS ON CTH S AT THE FOLLOWING LOCATIONS DURING STAGE 2B & STAGE 2C FOR CTH S.

(4)
EAST
M3-2
36"X18"
COUNTY S
M1-5A
36"X36"
MAX. 10.5 WIDTH
W12-52
48"X48"

(7) (9)
WEST
M3-4
36"X18"
COUNTY S
M1-5A
36"X36"
MAX. 10.5 WIDTH
W12-52
48"X48"

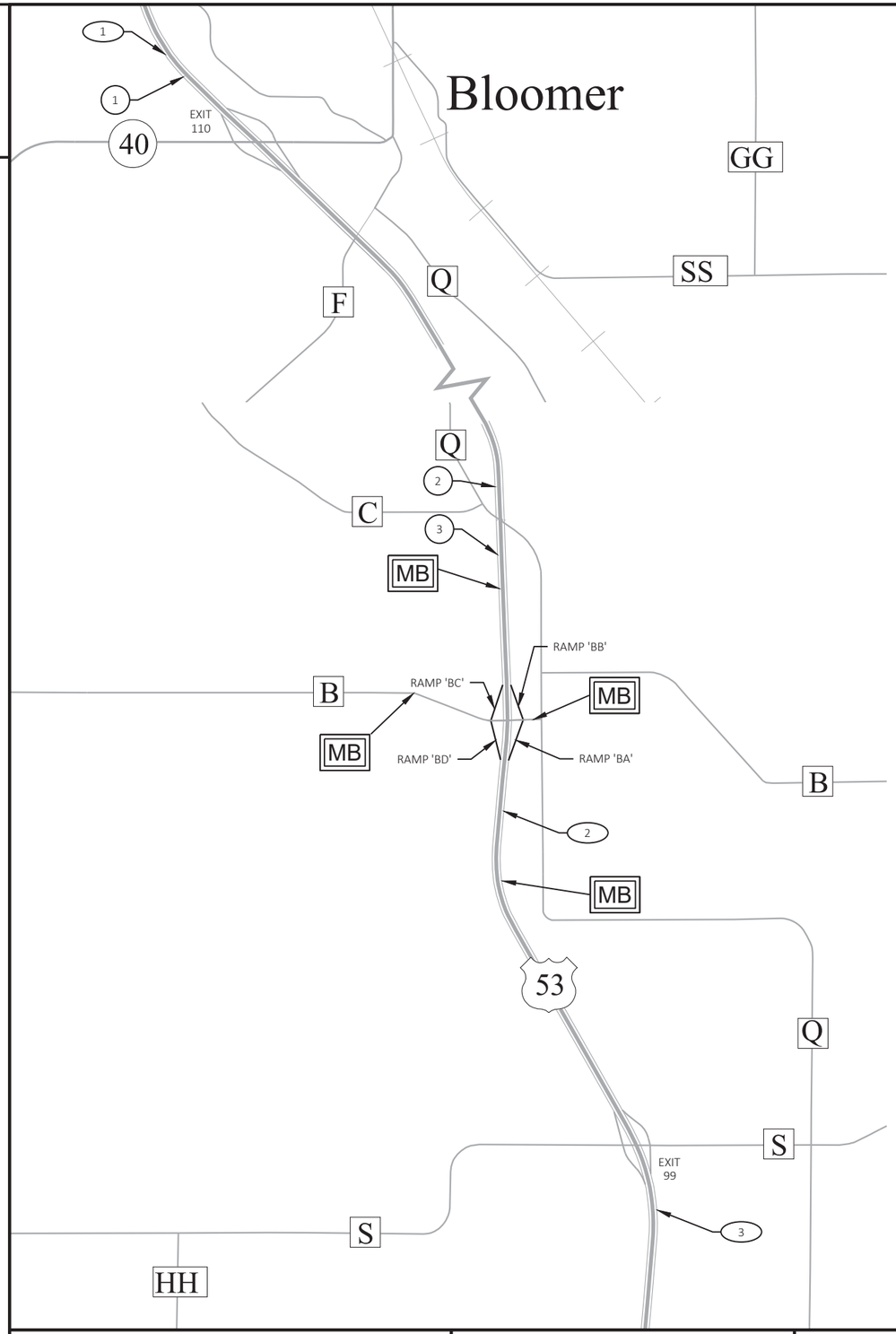
(3)
MAX. 10.5 WIDTH
W12-52
48"X48"
3 MILES AHEAD
WO57-52
48"X36"

(8)
MAX. 10.5 WIDTH
W12-52
48"X48"
1 MILE AHEAD
WO57-52
48"X36"

(5) (6)
MAX. 10.5 WIDTH
W12-52
48"X48"

TRAFFIC CONTROL SIGNS PCMS MESSAGES (CTH S INTERCHANGE)

	PRIOR TO STAGE 2B		PRIOR TO STAGE 2C	
PCMS SIGN LOCATION	PHASE 1 (2 SEC)	PHASE 2 (2 SEC)	PHASE 1 (2 SEC)	PHASE 2 (2 SEC)
USH 53 NB	HWY S RAMP TO CLOSE	XXXDAY XX XX XX	---	---
USH 53 SB	---	---	HWY S RAMP TO CLOSE	XXXDAY XX XX XX
CTH S EB	HWY 53 S RAMP TO CLOSE	XXXDAY XX XX XX	HWY 53 N RAMP TO CLOSE	XXXDAY XX XX XX
CTH S WB	HWY 53 S RAMP TO CLOSE	XXXDAY XX XX XX	HWY 53 N RAMP TO CLOSE	XXXDAY XX XX XX



N

LEGEND

MB — TRAFFIC CONTROL SIGN PCMS

CLOSED RAMP/ROADWAY

CLOSURE SUMMARY
RAMP 'BA': STAGE 7
RAMP 'BB': STAGES 3A, 7
RAMP 'BC': STAGE 7
RAMP 'BD': STAGE 7

NOTES

IN ADDITION TO THE DEVICES SHOWN ON THIS SHEET IMPLEMENT THE FOLLOWING DURING RAMP CLOSURES:
- FOR USH 53 ENTRANCE RAMP CLOSURES:
  - SEE DETAIL D OF SDD "BARRICADES AND SIGN FOR VARIOUS CLOSURES" FOR BARRICADES AND SIGNS AT THE RAMP INTERSECTIONS.
  - SEE TRAFFIC CONTROL DETAIL SHEETS FOR TRAFFIC CONTROL DEVICES, SIGNS, AND COVERING SIGNS DURING ENTRANCE RAMP CLOSURES.
- FOR USH 53 EXIT RAMP CLOSURES:
  - SEE SDD "TRAFFIC CONTROL EXIT RAMP CLOSURE" FOR TRAFFIC CONTROL DEVICES, SIGNS, AND COVERING TYPE II AND TYPE II SIGNS ON USH 53.

ADJUST TRAFFIC CONTROL PCMS MESSAGES AS NEEDED BASED ON CONSTRUCTION SCHEDULE.

CONSIDER GEOMETRICS WHEN LOCATING MESSAGE BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE BOARD FOR A MINIMUM OF 1,000 FEET IN FRONT OF THE MESSAGE BOARD. PLACE MESSAGE BOARDS AS FAR AWAY FROM LIVE TRAFFIC LANES AS POSSIBLE WITHOUT HAMPERING VISIBILITY.

PLACE TRAFFIC CONTROL SIGNS PCMS AND DISPLAY THE MESSAGE 7 DAYS PRIOR TO THE EXPECTED START OF THE PROPOSED WORK.

RAMP CLOSURE SIGNS
PLACE THE FOLLOWING SIGNS IN THE STAGES INDICATED.

HWY B
RAMP CLOSED
USE EXIT 110
G20-56
120"X54"

1 STAGE: 7

NO RE-ENTRY
TO FREEWAY
W6-54
132"X48"

2 STAGE: 3A

HWY B
RAMP CLOSED
USE EXIT 99
G20-56
120"X54"

3 STAGE: 7

ADVANCED WARNING FOR LANE WIDTH RESTRICTIONS
PLACE THE FOLLOWING ADVANCED WIDTH RESTRICTION WARNING SIGNS AT THE FOLLOWING LOCATIONS DURING STAGE 8B FOR THE USH 53 SB EXIT RAMP.

1	2	3
COUNTY B M1-5A 36"X36" RAMP M4-10(MOD) 36"X18"	COUNTY B M1-5A 36"X36" RAMP M4-10(MOD) 36"X18"	MAX. 13' WIDTH W12-52 48"X48"
MAX. 13' WIDTH W12-52 48"X48"	MAX. 13' WIDTH W12-52 48"X48"	
8 MILES AHEAD WO57-52 48"X36"		

TRAFFIC CONTROL SIGNS PCMS MESSAGES (CTH B INTERCHANGE)

	PRIOR TO STAGE 3A		PRIOR TO STAGE 7	
PCMS SIGN LOCATION	PHASE 1 (2 SEC)	PHASE 2 (2 SEC)	PHASE 1 (2 SEC)	PHASE 2 (2 SEC)
USH 53 NB	RAMP TO CLOSE	XXXDAY XX XX XX	RAMPS TO CLOSE	XXXDAY XX XX XX
USH 53 SB	---	---	RAMPS TO CLOSE	XXXDAY XX XX XX
CTH B EB	HWY 53 N RAMP TO CLOSE	XXXDAY XX XX XX	HWY 53 RAMPS TO CLOSE	XXXDAY XX XX XX
CTH B WB	HWY 53 N RAMP TO CLOSE	XXXDAY XX XX XX	HWY 53 RAMPS TO CLOSE	XXXDAY XX XX XX

2

LEGEND

PROPOSED CONSTRUCTION

REMOVAL OF TEMPORARY CROSSOVER OR TEMPORARY WIDENING

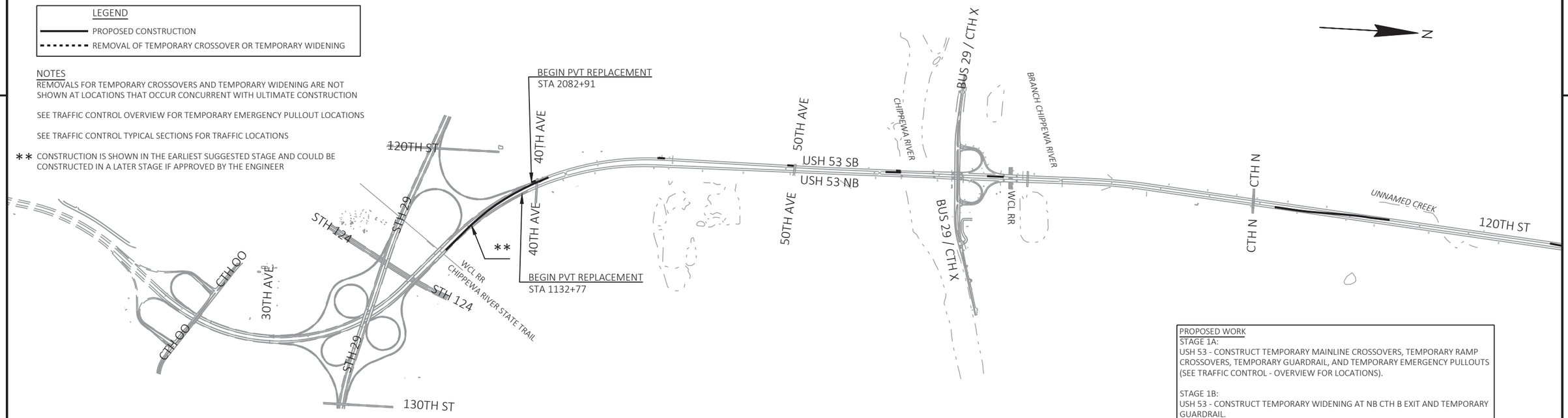
NOTES

REMOVALS FOR TEMPORARY CROSSOVERS AND TEMPORARY WIDENING ARE NOT SHOWN AT LOCATIONS THAT OCCUR CONCURRENT WITH ULTIMATE CONSTRUCTION

SEE TRAFFIC CONTROL OVERVIEW FOR TEMPORARY EMERGENCY PULLOUT LOCATIONS

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC LOCATIONS

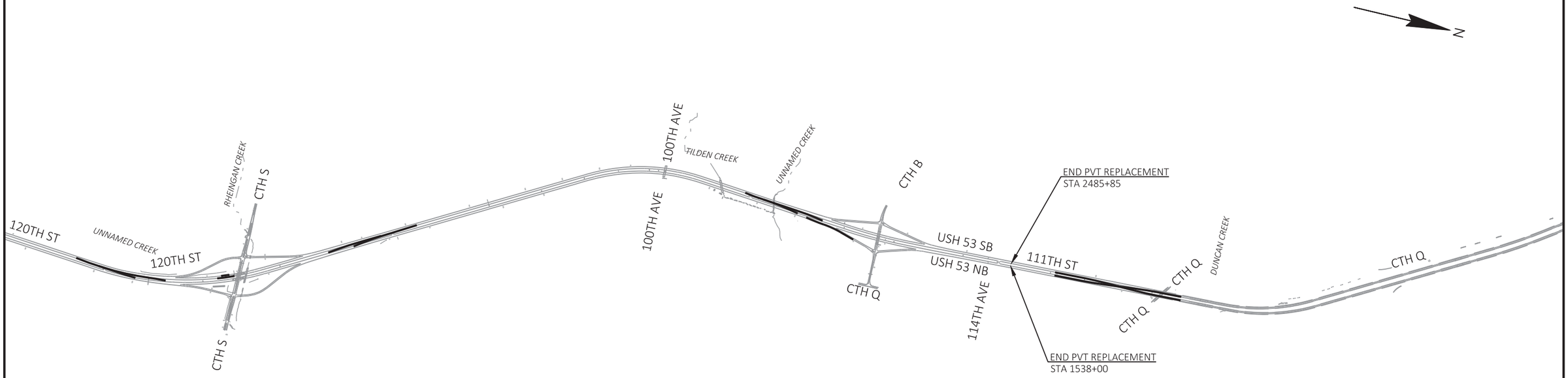
** CONSTRUCTION IS SHOWN IN THE EARLIEST SUGGESTED STAGE AND COULD BE CONSTRUCTED IN A LATER STAGE IF APPROVED BY THE ENGINEER



PROPOSED WORK

STAGE 1A:
USH 53 - CONSTRUCT TEMPORARY MAINLINE CROSSOVERS, TEMPORARY RAMP CROSSOVERS, TEMPORARY GUARDRAIL, AND TEMPORARY EMERGENCY PULLOUTS (SEE TRAFFIC CONTROL - OVERVIEW FOR LOCATIONS).

STAGE 1B:
USH 53 - CONSTRUCT TEMPORARY WIDENING AT NB CTH B EXIT AND TEMPORARY GUARDRAIL.



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 1 OVERVIEW	SHEET 115	E

2

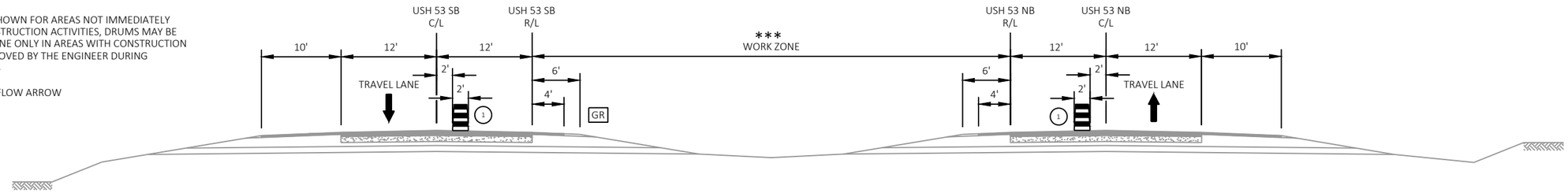
LEGEND

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER

① DRUM LOCATION SHOWN FOR AREAS NOT IMMEDIATELY ADJACENT TO CONSTRUCTION ACTIVITIES, DRUMS MAY BE SHIFTED TO LANE LINE ONLY IN AREAS WITH CONSTRUCTION ACTIVITIES AS APPROVED BY THE ENGINEER DURING ALLOWABLE HOURS

TRAFFIC CONTROL FLOW ARROW



STAGE 1A TYPICAL SECTION
USH 53

NOTES

* CROSS SLOPE VARIES DUE TO SUPERELEVATION.

** SEE TRAFFIC CONTROL PLAN DETAILS AND TEMPORARY CROSSOVER DETAILS FOR TEMPORARY WIDENING AND TEMPORARY PAVEMENT LAYOUT INFORMATION.

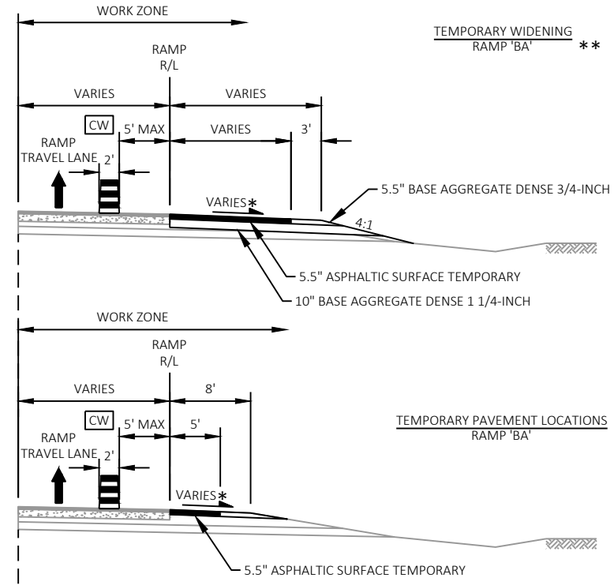
*** SEE TRAFFIC CONTROL - CROSSOVER PLAN SHEETS FOR TEMPORARY USH 53 AND RAMP CROSSOVER PAVEMENT STRUCTURE AND ADDITIONAL INFORMATION.

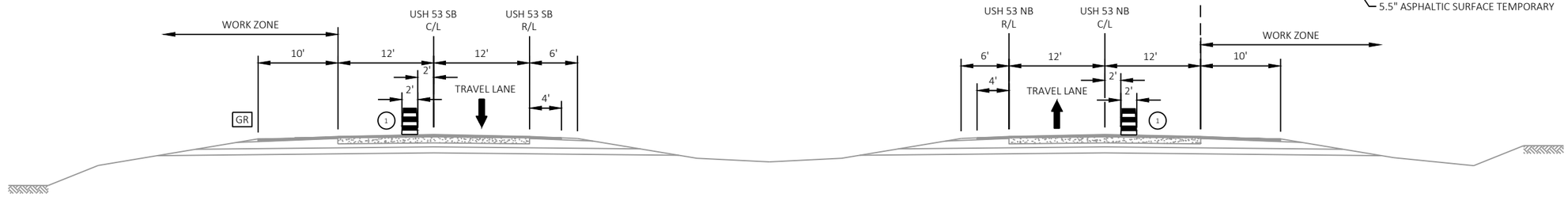
\# REMOVE EXISTING PAVED SHOULDER AND NECESSARY AGGREGATE UNDER THE EXCAVATION COMMON ITEM PRIOR TO PLACEMENT OF ASPHALTIC SURFACE TEMPORARY. PREPARATION OF THE FOUNDATION IS INCIDENTAL TO THE ASPHALTIC SURFACE TEMPORARY ITEM. CROSS SECTIONS NOT SHOWN IN THESE AREAS.

CW MAINTAIN 16' MINIMUM CLEAR WIDTH FOR RAMP TRAFFIC (PARTIALLY SHIFTED ONTO GORE AND EXISTING PAVED SHOULDER). SHIFT DRUMS TO SHOULDER DURING NON-WORKING HOURS.

GR SEE CONSTRUCTION DETAILS AND THE CROSS SECTIONS FOR TEMPORARY GUARDRAIL LOCATIONS.

SEE STAGE OVERVIEW SHEETS FOR ROADWAY AND RAMP CLOSURES. ROADWAYS NOT SHOWN IN TRAFFIC CONTROL TYPICAL SECTIONS ARE ON NORMAL TRAVEL LANES.





STAGE 1B TYPICAL SECTION
USH 53

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - TYPICAL SECTIONS - USH 53	SHEET 116	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025002-TC.DWG
LAYOUT NAME - 01-1
PLOT DATE : 6/21/2023 1:26 PM
PLOT BY : ADMIN
PLOT NAME :
PLOT SCALE : 1 IN:15 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

TYPE III BARRICADE

TYPE III BARRICADE WTH ATTACHED SIGN

TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)

TRAFFIC CONTROL SIGN

WORK AREA

DIRECTION OF TRAFFIC

TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE

TEMP PAVEMENT TO BE COMPLETED IN FUTURE STAGES

SURFACE WATER FLOW DIRECTION

NOTES

TEMPORARY CROSSOVER PAVEMENT STRUCTURE IS 5.5" ASPHALTIC SURFACE TEMPORARY OVER 10" BASE AGGREGATE DENSE 1 1/4 -INCH

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC LOCATION DETAILS

SEE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" FOR ADDITIONAL DEVICES AND INFORMATION

STA 2067+27, RT
TEMPORARY COVER PLATE REQ'D, SEE SEC 5 PLAN SHEETS FOR ADDITIONAL INFORMATION

WARNING
HIGH-PRESSURE PIPELINE(S)
EXCAVATION AND/OR CONSTRUCTION PROHIBITED
WITHOUT COMPLIANCE WITH STATE ONE-CALL/DIGGERS HOTLINE, AND
WITHOUT WRITTEN PERMISSION FROM
MAGELLAN PIPELINE COMPANY.

USH 53 SB/STH 29 WB EXIT

N

R/W

100' TYP

USH 53 SB/STH 29 WB ENTRANCE

USH 53 SB

2060 2062 2064 2066 2068 2070 2072

R1=5488'

R2=5710'

CAUTION

A

B

C

D

CURVE 1

102'T1' 104'T1' 106'T1' 108'T1' 110'T1' 112'T1'

1112 1114 1116 1118 1122 1124 1126

N48° 13' 58"W

USH 53 NB

Y = 114792.909
X = 164449.965

BP: 100+00.00'T1'

PC: 105+91.81'T1'

USE CROSSOVER IN STAGE 5

VIKING GAS TRANSMISSION COMPANY (GAS)

MAGELLAN PIPELINE (GAS)

SEE TRAFFIC CONTROL - SOUTH END - INSIDE LANE CLOSURE DETAIL FOR ADDITIONAL DEVICES AND INFORMATION

LANE CLOSED
R11-2L
48"X30"

R/W

CHIPPEWA RIVER STATE TRAIL

WCL RR

STA 1125+25- STA 1126+97, LT
TEMPORARY STORM SEWER AND INLET REQ'D, SEE SEC 5 PLAN SHEETS FOR ADDITIONAL INFORMATION

STATION & OFFSET TABLE (LAYOUT POINTS)		
POINT	STATION	OFFSET
A	1113+42.76	4.00, LT
B	1119+33.42	20.45, LT
C	1119+93.83	9.01, LT
D	1125+25.23	58.42, LT

STATION & OFFSET TABLE (RADII)		
POINT	STATION	OFFSET
R1	1160+40.86	5487.99, RT
R2	1161+39.14	5600.62, RT

CURVE NO. 1 'T1'
PI STA = 113+60.72
Y = 115699.29
X = 163435.06
PC STA = 105+91.81
Y=115187.12
X=164008.56
PT STA = 121+14.25
Y=116375.61
X=163069.26
DELTA = 19°49'29"
D = 1°18'08"
T = 768.90'
L = 1522.44'
R = 4400.00'
PROPOSED SE= 3.9% (MAX)

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 1A - TEMP CROSSOVER - SOUTH PROJECT LIMIT	SHEET 117	E

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- TRAFFIC CONTROL SIGN
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN FUTURE STAGES
- SURFACE WATER FLOW DIRECTION

NOTES

TEMPORARY CROSSOVER PAVEMENT STRUCTURE IS 5.5" ASPHALTIC SURFACE TEMPORARY OVER 10" BASE AGGREGATE DENSE 1 1/4 -INCH

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC LOCATION DETAILS

SEE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" FOR ADDITIONAL DEVICES AND INFORMATION

CURVE NO. 1 'T1'
PI STA = 113+60.72
Y = 115699.29
X = 163435.06
PC STA = 105+91.81
Y=115187.12
X=164008.56
PT STA = 121+14.25
Y=116375.61
X=163069.26
DELTA = 19°49'29"
D = 1°18'08"
T = 768.90'
L = 1522.44'
R = 4400.00'
PROPOSED SE= 3.9% (MAX)

CURVE NO. 2 'T1'
PI STA = 121+44.63
Y = 116402.33
X = 163054.81
PC STA = 121+14.25
Y=116375.61
X=163069.26
PT STA = 121+75.00
Y=116429.20
X=163040.64
DELTA = 0°36'38"
D = 1°00'18"
T = 30.37'
L = 60.75'
R = 5701.75'
PROPOSED SE= 3.8%

CURVE NO. 3 'T1'
PI STA = 123+75.26
Y = 116604.45
X = 162943.74
PC STA = 121+75.00
Y=116429.20
X=163040.64
PT STA = 125+75.36
Y=116786.06
X=162859.34
DELTA = 4°01'02"
D = 1°00'12"
T = 200.26'
L = 400.36'
R = 5710.00'
PROPOSED SE= 3.8% (MAX)

WARNING
HIGH-PRESSURE PIPELINE(S)
EXCAVATION AND/OR CONSTRUCTION PROHIBITED WITHOUT COMPLIANCE WITH STATE ONE-CALL, AND
WITHOUT WRITTEN PERMISSION FROM MAGELLAN PIPELINE COMPANY.

STA 2075+15, RT
TEMPORARY COVER PLATE REQ'D, SEE SEC 5 PLAN SHEETS FOR ADDITIONAL INFORMATION

STA 1125+25- STA 1126+97, LT
TEMPORARY STORM SEWER AND INLET REQ'D, SEE SEC 5 PLAN SHEETS FOR ADDITIONAL INFORMATION

USH 53 SB/STH 29 WB EXIT
USH 53 SB
USH 53 NB
40TH AVE
R/W
LANE CLOSED
R11-2L
48"X30"
CAUTION
100' TYP
R2=5710'
R3=4400'
CURVE 1
CURVE 2
CURVE 3
112'T1'
114'T1'
116'T1'
118'T1'
120'T1'
122'T1'
124'T1'
USE CROSSOVER IN STAGE 5
WISDOT (ELECTRIC)
BEGIN USH 53 SB PAVEMENT REPLACEMENT STA 2082+91 (STAGE 10)
PCC: 121+14.25'T1'
PCC: 121+75.00'T1'
EP: 125+75.36'T1'
AT&T WISCONSIN (COMMUNICATION)
XCEL ENERGY (ELECTRIC)
CHARTER COMMUNICATION (COMMUNICATION)
Y = 116786.061
X = 162859.345
BEGIN USH 53 NB PAVEMENT REPLACEMENT STA 1132+77 (STAGE 5)
VIKING GAS TRANSMISSION COMPANY (GAS)
MAGELLAN PIPELINE (GAS)
XCEL ENERGY (GAS)
VILLAGE OF LAKE HALLIE (WATER)
WELL
D
E
F

STATION & OFFSET TABLE (LAYOUT POINTS)		
POINT	STATION	OFFSET
D	1125+25.23	58.42, LT
E	1137+00.53	74.40, LT
F	1138+97.86	76.49, LT

STATION & OFFSET TABLE (RADII)		
POINT	STATION	OFFSET
R2	1161+39.14	5600.62, RT
R3	1135+75.15	4330.99, RT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 1A - TEMP CROSSOVER - SOUTH PROJECT LIMIT	SHEET 118	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025005-TC.DWG
LAYOUT NAME - 02
PLOT DATE : 7/13/2021 12:50 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

TYPE III BARRICADE

TYPE III BARRICADE WTH ATTACHED SIGN

TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)

TRAFFIC CONTROL SIGN

WORK AREA

DIRECTION OF TRAFFIC

TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE

TEMP PAVEMENT TO BE COMPLETED IN FUTURE STAGES

SURFACE WATER FLOW DIRECTION

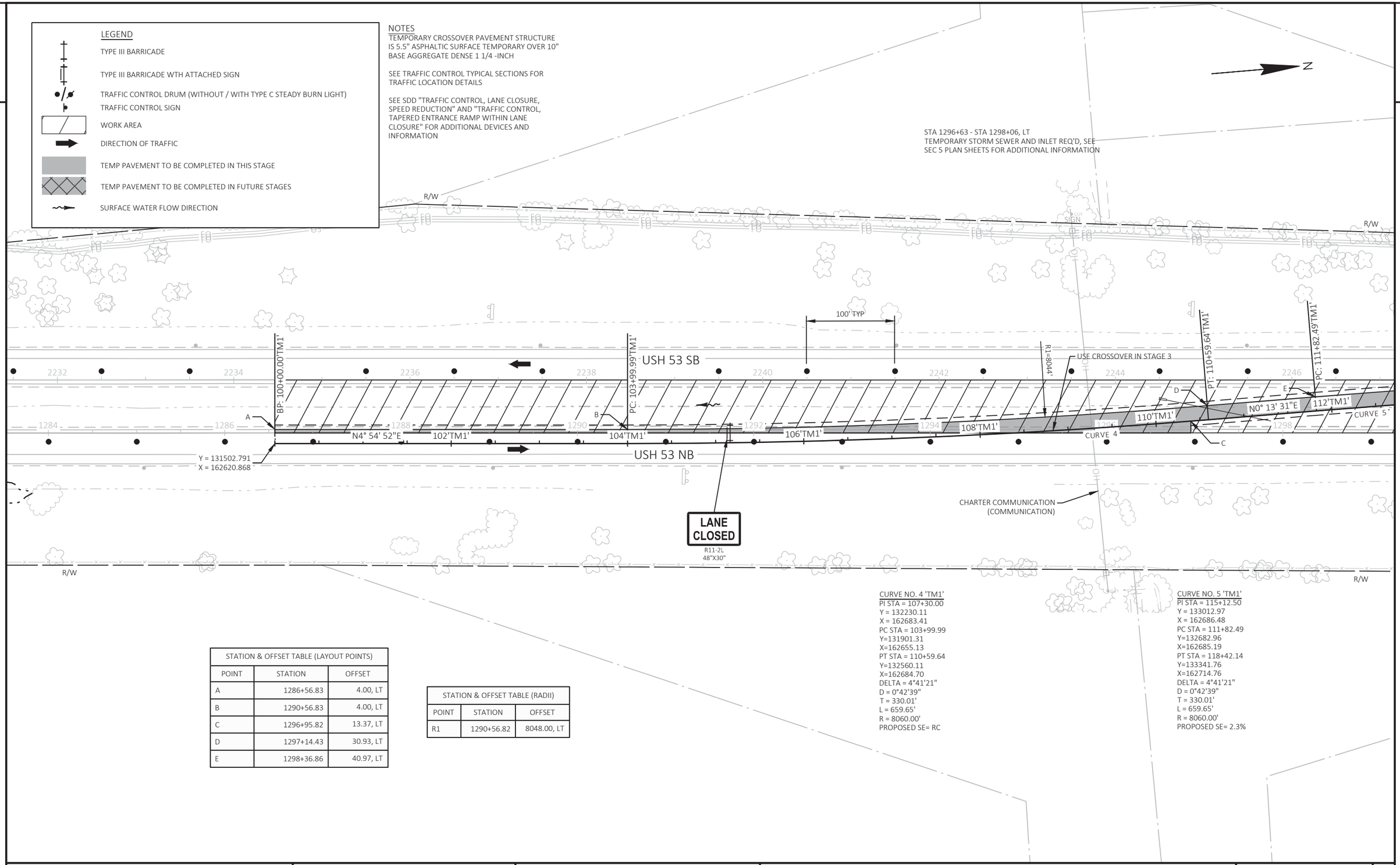
NOTES

TEMPORARY CROSSOVER PAVEMENT STRUCTURE IS 5.5" ASPHALTIC SURFACE TEMPORARY OVER 10" BASE AGGREGATE DENSE 1 1/4 -INCH

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC LOCATION DETAILS

SEE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" AND "TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE" FOR ADDITIONAL DEVICES AND INFORMATION

STA 1296+63 - STA 1298+06, LT
TEMPORARY STORM SEWER AND INLET REQ'D, SEE SEC 5 PLAN SHEETS FOR ADDITIONAL INFORMATION



STATION & OFFSET TABLE (LAYOUT POINTS)		
POINT	STATION	OFFSET
A	1286+56.83	4.00, LT
B	1290+56.83	4.00, LT
C	1296+95.82	13.37, LT
D	1297+14.43	30.93, LT
E	1298+36.86	40.97, LT

STATION & OFFSET TABLE (RADII)		
POINT	STATION	OFFSET
R1	1290+56.82	8048.00, LT

CURVE NO. 4 'TM1'
PI STA = 107+30.00
Y = 132230.11
X = 162683.41
PC STA = 103+99.99
Y=131901.31
X=162655.13
PT STA = 110+59.64
Y=132560.11
X=162684.70
DELTA = 4°41'21"
D = 0°42'39"
T = 330.01'
L = 659.65'
R = 8060.00'
PROPOSED SE= RC

CURVE NO. 5 'TM1'
PI STA = 115+12.50
Y = 133012.97
X = 162686.48
PC STA = 111+82.49
Y=132682.96
X=162685.19
PT STA = 118+42.14
Y=133341.76
X=162714.76
DELTA = 4°41'21"
D = 0°42'39"
T = 330.01'
L = 659.65'
R = 8060.00'
PROPOSED SE= 2.3%

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 1A - TEMP CROSSOVER - MID PROJECT - 1	SHEET 119	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025006-TC.DWG
LAYOUT NAME - 01
PLOT DATE : 7/13/2021 12:52 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

TYPE III BARRICADE

TYPE III BARRICADE WTH ATTACHED SIGN

TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)

TRAFFIC CONTROL SIGN

WORK AREA

DIRECTION OF TRAFFIC

TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE

TEMP PAVEMENT TO BE COMPLETED IN FUTURE STAGES

SURFACE WATER FLOW DIRECTION

NOTES

TEMPORARY CROSSOVER PAVEMENT STRUCTURE IS 5.5" ASPHALTIC SURFACE TEMPORARY OVER 10" BASE AGGREGATE DENSE 1 1/4 -INCH

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC LOCATION DETAILS

SEE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" AND "TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE" FOR ADDITIONAL DEVICES AND INFORMATION

N

R/W

LANE CLOSED

R11-2L 48"X30"

USE CROSSOVER IN STAGE 3

100' TYP

PT: 118+42.14'TM1'

PI: 119+42.14'TM1'

EP: 123+42.14'TM1'

USH 53 SB

USH 53 NB

114'TM1'

116'TM1'

118'TM1'

120'TM1'

122'TM1'

N4° 54' 52"E

N3° 46' 07"E

CURVE 5

F

G

H

I

J

Y = 133441.394
X = 162723.322

Y = 133840.523
X = 162749.683

2248 2250 2252 2254 2256 2258 2260 2262

1300 1302 1304 1306 1308 1310 1312 1314

R2=8060'

STEEPEN SLOPE TO 3:1 TO AVOID IMPACTING INLET

R/W

R/W

R/W

CURVE NO. 5 'TM1'
PI STA = 115+12.50
Y = 133012.97
X = 162686.48
PC STA = 111+82.49
Y=132682.96
X=162685.19
PT STA = 118+42.14
Y=133341.76
X=162714.76
DELTA = 4°41'21"
D = 0°42'39"
T = 330.01'
L = 659.65'
R = 8060.00'
PROPOSED SE= 2.3%

STATION & OFFSET TABLE (LAYOUT POINTS)		
POINT	STATION	OFFSET
F	1299+35.30	48.44, LT
G	1304+97.09	52.16, LT
H	1305+97.09	52.00, LT
I	1308+04.91	56.16, LT
J	1309+97.01	55.39, LT

STATION & OFFSET TABLE (RADII)		
POINT	STATION	OFFSET
R2	1304+97.09	8008.00, RT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 1A - TEMP CROSSOVER - MID PROJECT - 1	SHEET 120	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- TRAFFIC CONTROL SIGN
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN FUTURE STAGES
- SURFACE WATER FLOW DIRECTION

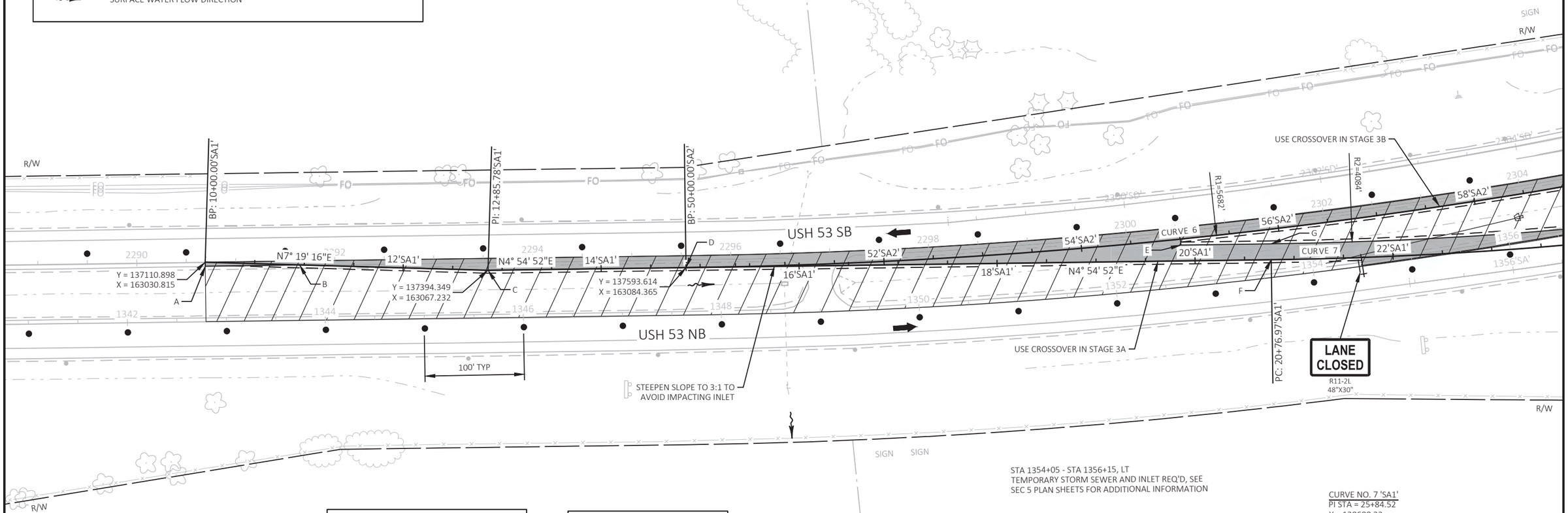
NOTES

TEMPORARY CROSSOVER PAVEMENT STRUCTURE IS 5.5" ASPHALTIC SURFACE TEMPORARY OVER 10" BASE AGGREGATE DENSE 1 1/4 -INCH

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC LOCATION DETAILS

SEE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" AND " TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE" FOR ADDITIONAL DEVICES AND INFORMATION

CURVE NO. 6 'SA2'
PI STA = 54+99.45
Y = 138091.23
X = 163127.15
PC STA = 50+00.00
Y=137593.61
X=163084.37
PT STA = 59+96.34
Y=138588.68
X=163082.47
DELTA = 10°02'51"
D = 1°00'30"
T = 499.45'
L = 996.34'
R = 5681.58'
PROPOSED SE= 3.6%



STATION & OFFSET TABLE (LAYOUT POINTS)		
POINT	STATION	OFFSET
A	1342+79.44	56.00, LT
B	1343+74.62	56.00, LT
C	1345+64.97	48.00, LT
D	1347+64.97	48.00, LT
E	1352+69.52	42.56, LT
F	1353+59.04	18.01, LT
G	1353+60.69	33.92, LT

STATION & OFFSET TABLE (RADII)		
POINT	STATION	OFFSET
R1	1347+64.97	5729.58, LT
R2	1368+18.56	4042.27, LT

STA 1354+05 - STA 1356+15, LT
TEMPORARY STORM SEWER AND INLET REQ'D, SEE SEC 5 PLAN SHEETS FOR ADDITIONAL INFORMATION

CURVE NO. 7 'SA1'
PI STA = 25+84.52
Y = 138688.32
X = 163178.49
PC STA = 20+76.97
Y=138182.63
X=163135.01
PT STA = 30+86.94
Y=139189.34
X=163097.35
DELTA = 14°06'50"
D = 1°23'51"
T = 507.55'
L = 1009.97'
R = 4100.00'
PROPOSED SE= 3.6%

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 1A - TEMP CROSSOVER - USH 53 NB/CTH S EXIT	SHEET 121	E

2

LEGEND

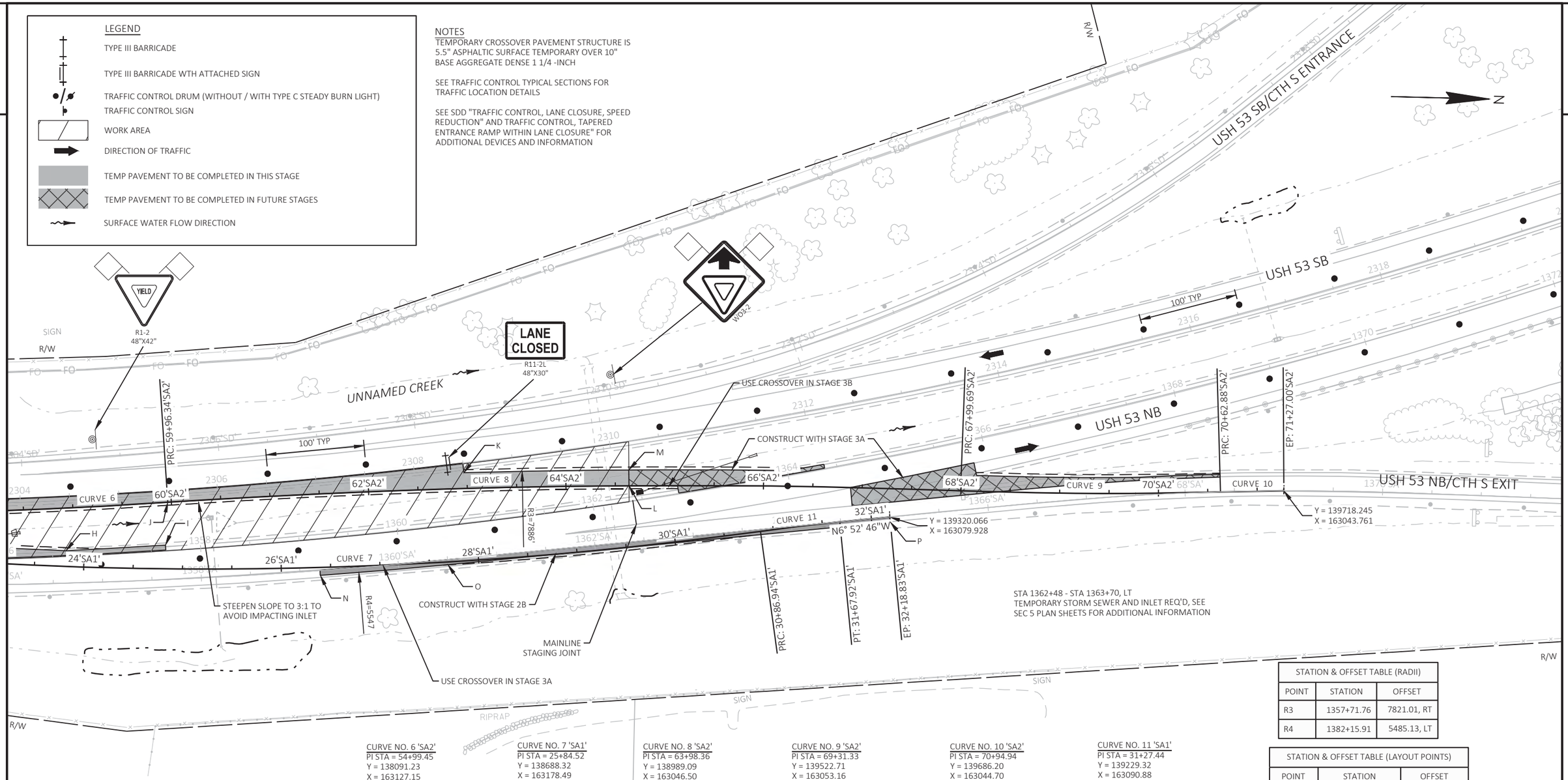
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- TRAFFIC CONTROL SIGN
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN FUTURE STAGES
- SURFACE WATER FLOW DIRECTION

NOTES

TEMPORARY CROSSOVER PAVEMENT STRUCTURE IS 5.5" ASPHALTIC SURFACE TEMPORARY OVER 10" BASE AGGREGATE DENSE 1 1/4 -INCH

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC LOCATION DETAILS

SEE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" AND TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE" FOR ADDITIONAL DEVICES AND INFORMATION



CURVE NO. 6 'SA2'
PI STA = 54+99.45
Y = 138091.23
X = 163127.15
PC STA = 50+00.00
Y=137593.61
X=163084.37
PT STA = 59+96.34
Y=138588.68
X=163082.47
DELTA = 10°02'51"
D = 1°00'30"
T = 499.45'
L = 996.34'
R = 5681.58'
PROPOSED SE= 3.6%

CURVE NO. 7 'SA1'
PI STA = 25+84.52
Y = 138688.32
X = 163178.49
PC STA = 20+76.97
Y=138182.63
X=163135.01
PT STA = 30+86.94
Y=139189.34
X=163097.35
DELTA = 14°06'50"
D = 1°23'51"
T = 507.55'
L = 1009.97'
R = 4100.00'
PROPOSED SE= 3.3%

CURVE NO. 8 'SA2'
PI STA = 63+98.36
Y = 138989.09
X = 163046.50
PC STA = 59+96.34
Y=138588.68
X=163082.47
PT STA = 67+99.69
Y=139391.08
X=163051.52
DELTA = 5°50'55"
D = 0°43'41"
T = 402.02'
L = 803.35'
R = 7870.00'
PROPOSED SE= 3.5% (REV)

CURVE NO. 9 'SA2'
PI STA = 69+31.33
Y = 139522.71
X = 163053.16
PC STA = 67+99.69
Y=139391.08
X=163051.52
PT STA = 70+62.88
Y=139654.17
X=163046.36
DELTA = 3°40'41"
D = 1°23'51"
T = 131.64'
L = 263.19'
R = 4100.00'
PROPOSED SE= 5.0% (REV)

CURVE NO. 10 'SA2'
PI STA = 70+94.94
Y = 139686.20
X = 163044.70
PC STA = 70+62.88
Y=139654.17
X=163046.36
PT STA = 71+27.00
Y=139718.24
X=163043.76
DELTA = 1°16'57"
D = 2°00'00"
T = 32.06'
L = 64.12'
R = 2864.79'

CURVE NO. 11 'SA1'
PI STA = 31+27.44
Y = 139229.32
X = 163090.88
PC STA = 30+86.94
Y=139189.34
X=163097.35
PT STA = 31+67.92
Y=139269.52
X=163086.03
DELTA = 2°19'12"
D = 2°51'53"
T = 40.50'
L = 80.98'
R = 2000.00'
PROPOSED SE= RC

STATION & OFFSET TABLE (RADII)		
POINT	STATION	OFFSET
R3	1357+71.76	7821.01, RT
R4	1382+15.91	5485.13, LT

STATION & OFFSET TABLE (LAYOUT POINTS)		
POINT	STATION	OFFSET
H	1356+63.54	5.92, LT
I	1357+64.74	5.99, LT
J	1357+69.80	48.99, LT
K	1360+73.87	51.38, LT
L	1362+38.79	16.18, LT
M	1362+41.05	32.02, LT
N	1359+18.29	36.75, RT
O	1360+47.07	39.24, RT
P	1364+92.45	64.72, RT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 1A - TEMP CROSSOVER - USH 53 NB/CTH S EXIT	SHEET 122	E

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- TRAFFIC CONTROL SIGN
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN FUTURE STAGES
- SURFACE WATER FLOW DIRECTION

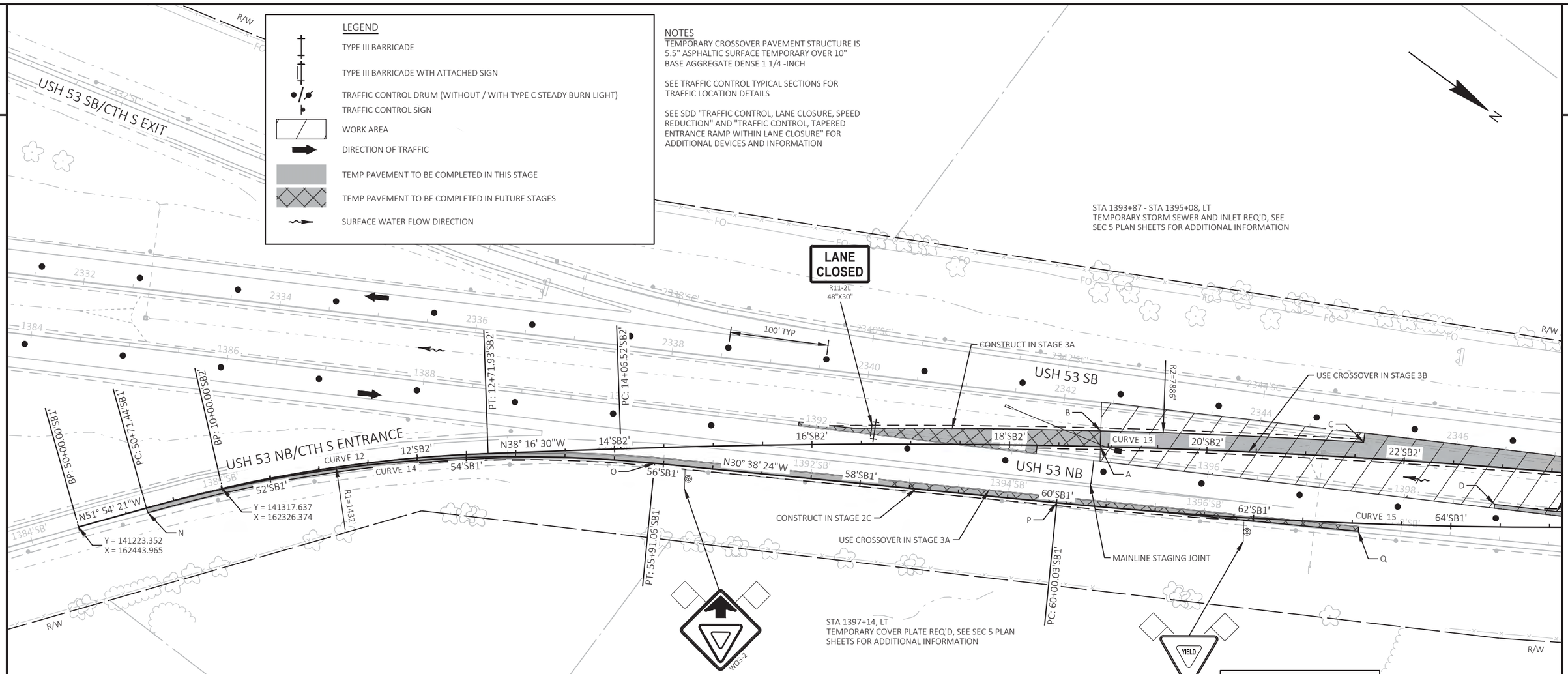
NOTES

TEMPORARY CROSSOVER PAVEMENT STRUCTURE IS 5.5" ASPHALTIC SURFACE TEMPORARY OVER 10" BASE AGGREGATE DENSE 1 1/4 -INCH

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC LOCATION DETAILS

SEE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" AND "TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE" FOR ADDITIONAL DEVICES AND INFORMATION

STA 1393+87 - STA 1395+08, LT
TEMPORARY STORM SEWER AND INLET REQ'D, SEE SEC 5 PLAN SHEETS FOR ADDITIONAL INFORMATION



CURVE NO. 12 'SB2'
PI STA = 11+36.38
Y = 141406.83
X = 162223.21
PC STA = 10+00.00
Y=141317.64
X=162326.37
PT STA = 12+71.93
Y=141513.89
X=162138.74
DELTA = 10°52'38"
D = 4°00'00"
T = 136.38'
L = 271.93'
R = 1432.39'
PROPOSED SE= 6.0%

CURVE NO. 13 'SB2'
PI STA = 20+10.97
Y = 142094.08
X = 161680.95
PC STA = 14+06.52
Y=141619.55
X=162055.37
PT STA = 26+13.06
Y=142620.22
X=161383.38
DELTA = 8°47'02"
D = 0°43'41"
T = 604.46'
L = 1206.54'
R = 7870.00'
PROPOSED SE= NC - RC

CURVE NO. 14 'SB1'
PI STA = 53+34.28
Y = 141429.59
X = 162180.89
PC STA = 50+71.44
Y=141267.43
X=162387.74
PT STA = 55+91.06
Y=141655.73
X=162046.94
DELTA = 21°15'57"
D = 4°05'33"
T = 262.84'
L = 519.62'
R = 1400.00'
PROPOSED SE= 6.0%

CURVE NO. 15 'SB1'
PI STA = 62+89.12
Y = 142256.32
X = 161691.18
PC STA = 60+00.03
Y=142007.59
X=161838.51
PT STA = 65+77.62
Y=142487.30
X=161517.33
DELTA = 6°19'39"
D = 1°05'44"
T = 289.09'
L = 577.59'
R = 5230.00'
PROPOSED SE= NC - RC

STATION & OFFSET TABLE (RADII)		
POINT	STATION	OFFSET
R1	1390+92.25	1480.44, RT
R2	1402+08.33	7822.00, RT

STATION & OFFSET TABLE (LAYOUT POINTS)		
POINT	STATION	OFFSET
A	1394+88.39	15.00, LT
B	1394+86.92	30.94, LT
C	1397+52.61	50.82, LT
D	1398+91.64	4.00, LT
N	1385+38.30	164.88, RT
O	1390+42.15	54.77, RT
P	1394+51.04	46.57, RT
Q	1397+57.74	39.42, RT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 1A - TEMP CROSSOVER - USH 53 NB/CTH S ENTRANCE	SHEET 123	E

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- TRAFFIC CONTROL SIGN
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN FUTURE STAGES
- SURFACE WATER FLOW DIRECTION

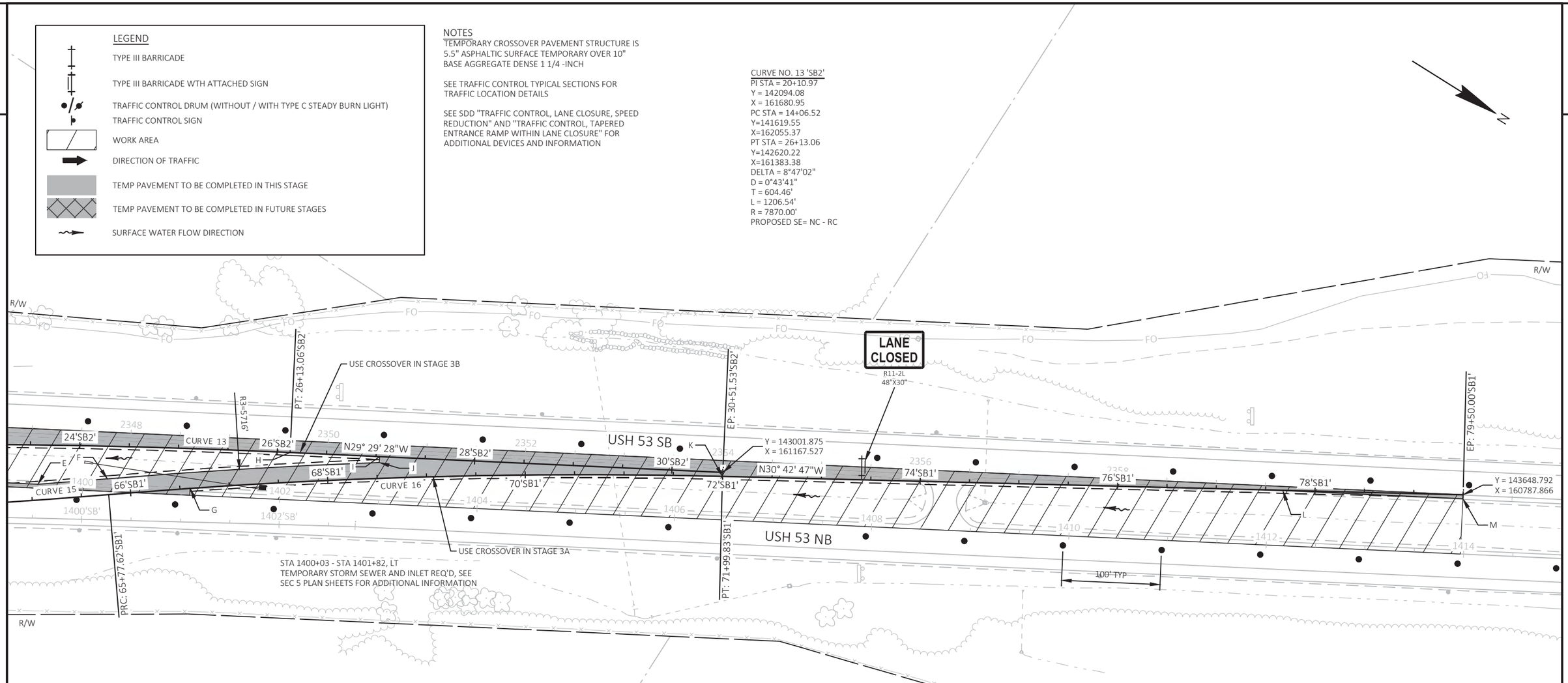
NOTES

TEMPORARY CROSSOVER PAVEMENT STRUCTURE IS 5.5" ASPHALTIC SURFACE TEMPORARY OVER 10" BASE AGGREGATE DENSE 1 1/4 -INCH

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC LOCATION DETAILS

SEE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" AND "TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE" FOR ADDITIONAL DEVICES AND INFORMATION

CURVE NO. 13 'SB2'
PI STA = 20+10.97
Y = 142094.08
X = 161680.95
PC STA = 14+06.52
Y=141619.55
X=162055.37
PT STA = 26+13.06
Y=142620.22
X=161383.38
DELTA = 8°47'02"
D = 0°43'41"
T = 604.46'
L = 1206.54'
R = 7870.00'
PROPOSED SE= NC - RC



CURVE NO. 15 'SB1'
PI STA = 62+89.12
Y = 142256.32
X = 161691.18
PC STA = 60+00.03
Y=142007.59
X=161838.51
PT STA = 65+77.62
Y=142487.30
X=161517.33
DELTA = 6°19'39"
D = 1°05'44"
T = 289.09'
L = 577.59'
R = 5230.00'
PROPOSED SE= NC - RC

CURVE NO. 16 'SB1'
PI STA = 68+89.03
Y = 142736.11
X = 161330.06
PC STA = 65+77.62
Y=142487.30
X=161517.33
PT STA = 71+99.83
Y=143003.84
X=161171.01
DELTA = 6°15'16"
D = 1°00'19"
T = 311.42'
L = 622.21'
R = 5700.00'
PROPOSED SE= NC - RC

STATION & OFFSET TABLE (LAYOUT POINTS)		
POINT	STATION	OFFSET
E	1399+54.66	4.00, LT
F	1400+24.62	12.70, LT
G	1401+08.93	7.02, LT
H	1402+08.34	48.00, LT
I	1402+98.98	48.00, LT
J	1402+98.98	41.99, LT
K	1406+46.81	44.00, LT
L	1412+14.36	55.67, LT
M	1413+96.81	56.00, LT

STATION & OFFSET TABLE (RADII)		
POINT	STATION	OFFSET
R3	1407+68.38	5654.70, RT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 1A - TEMP CROSSOVER - USH 53 NB/CTH S ENTRANCE	SHEET 124	E

2

2

LEGEND

TYPE III BARRICADE

TYPE III BARRICADE WTH ATTACHED SIGN

TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)

TRAFFIC CONTROL SIGN

WORK AREA

DIRECTION OF TRAFFIC

TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE

TEMP PAVEMENT TO BE COMPLETED IN FUTURE STAGES

SURFACE WATER FLOW DIRECTION

NOTES

TEMPORARY CROSSOVER PAVEMENT STRUCTURE IS 5.5" ASPHALTIC SURFACE TEMPORARY OVER 10" BASE AGGREGATE DENSE 1 1/4 -INCH

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC LOCATION DETAILS

SEE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" AND "TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE" FOR ADDITIONAL DEVICES AND INFORMATION

STA 1495+52 - STA 1497+63, LT
TEMPORARY STORM SEWER AND INLET REQ'D, SEE SEC 5 PLAN SHEETS FOR ADDITIONAL INFORMATION

STA 2441+01, RT
TEMPORARY COVER PLATE REQ'D, SEE SEC 5 PLAN SHEETS FOR ADDITIONAL INFORMATION

CURVE NO. 18 'BA2'
PI STA = 59+27.00
Y = 151273.52
X = 158743.61
PC STA = 57+34.61
Y=151081.87
X=158726.72
PT STA = 61+19.21
Y=151463.31
X=158775.17
DELTA = 4°24'26"
D = 1°08'45"
T = 192.40'
L = 384.60'
R = 5000.00'
PROPOSED SE= RC

N

UNNAMED CREEK

R/W

BP: 10+00.00'BA1'

PI: 12+00.36'BA1'

PC: 14+00.36'BA1'

PC: 57+34.61'BA2'

USE CROSSOVER IN STAGE 3B

USH 53 SB

USH 53 NB

USE CROSSOVER IN STAGE 3A

Y = 150150.870
X = 158644.664

N8° 28' 13"E

N5° 02' 12"E

12'BA1'

14'BA1'

16'BA1'

18'BA1'

20'BA1'

22'BA1'

24'BA1'

52'BA2'

54'BA2'

56'BA2'

58'BA2'

60'BA2'

CURVE 17

CURVE 18

CURVE 19

A

B

C

D

E

F

G

H

I

J

P

Q

100' TYP

C-9-11

BP: 50+00.00'BA2'

PRC: 21+97.29'BA1'

R1=57.16'

YIELD

R1-2
48"X42"

LANE CLOSED

R11-2L
48"X30"

SIGN
FOOTBRIDGES

PERM EASE

STA 1491+77 - STA 1493+09, LT
TEMPORARY STORM SEWER AND INLET REQ'D, SEE SEC 5 PLAN SHEETS FOR ADDITIONAL INFORMATION

SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE" FOR OUTSIDE LANE CLOSURE AND STAGE 1B TRAFFIC CONTROL TYPICAL SECTIONS

STATION & OFFSET TABLE (LAYOUT POINTS)		
POINT	STATION	OFFSET
A	1482+20.61	56.00, LT
B	1482+87.27	56.00, LT
C	1484+20.61	48.00, LT
D	1486+20.61	48.00, LT
E	1491+71.96	48.00, LT
F	1491+71.96	37.35, LT
G	1493+55.21	48.00, LT
H	1492+77.04	10.07, LT
I	1494+48.04	4.00, LT
J	1495+03.77	4.00, LT
P	1495+61.68	36.25, RT
Q	1496+91.52	37.02, RT

STATION & OFFSET TABLE (RADII)		
POINT	STATION	OFFSET
R1	1486+20.61	5652.00, RT

CURVE NO. 17 'BA1'
PI STA = 17+99.48
Y = 150747.67
X = 158697.26
PC STA = 14+00.36
Y=150350.10
X=158662.22
PT STA = 21+97.29
Y=151136.49
X=158787.36
DELTA = 8°00'38"
D = 1°00'19"
T = 399.12'
L = 796.93'
R = 5700.00'
PROPOSED SE= RC - NC

CURVE NO. 19 'BA1'
PI STA = 24+55.47
Y = 151388.00
X = 158845.65
PC STA = 21+97.29
Y=151136.49
X=158787.36
PT STA = 27+12.96
Y=151644.83
X=158871.92
DELTA = 7°12'22"
D = 1°23'51"
T = 258.17'
L = 515.67'
R = 4100.00'
PROPOSED SE= NC - RC

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 1A - TEMP CROSSOVER - USH 53 NB/CTH B EXIT	SHEET 125	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025006-TC.DWG
LAYOUT NAME - 07

PLOT DATE : 7/13/2021 12:56 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

LEGEND

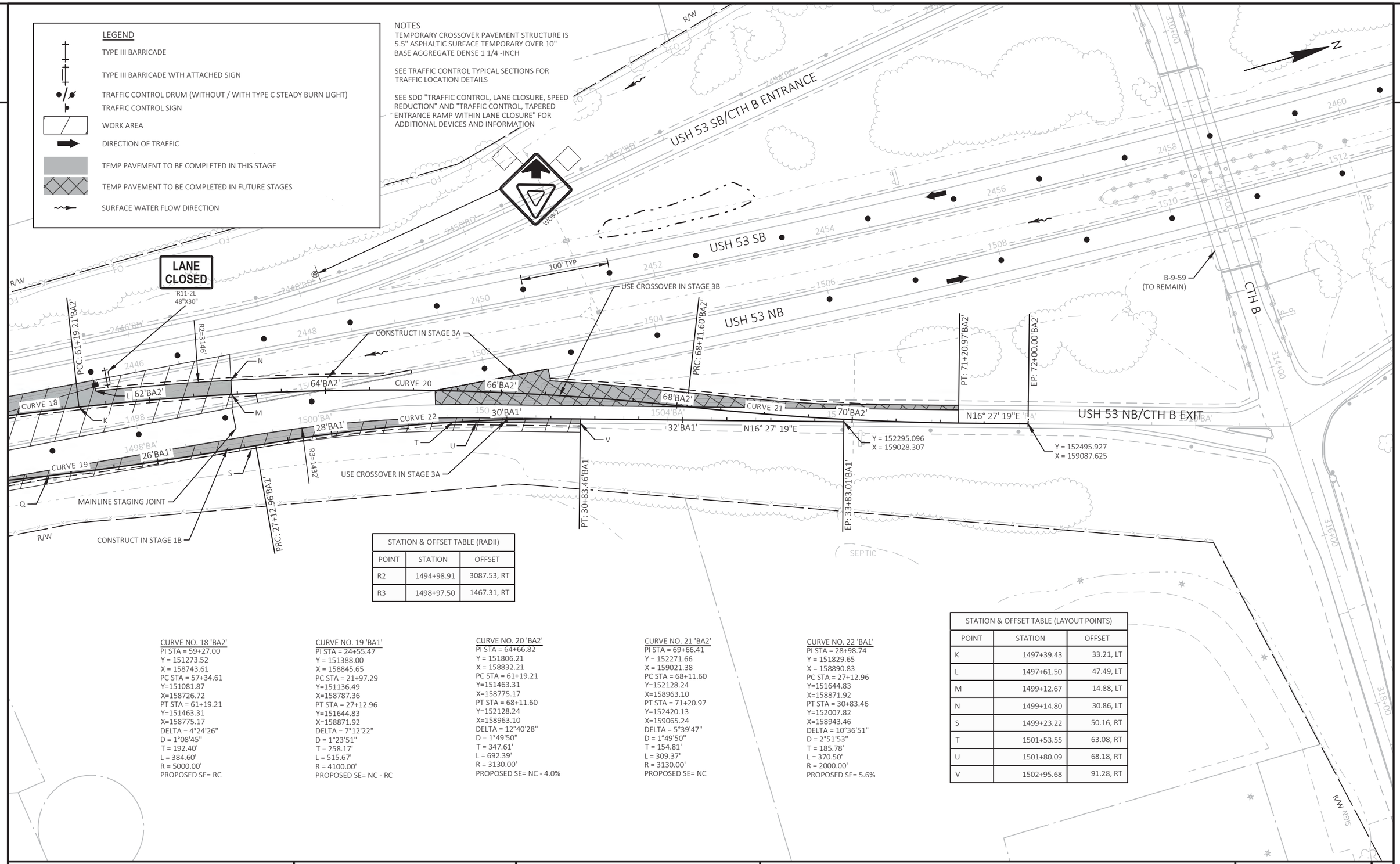
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- TRAFFIC CONTROL SIGN
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN FUTURE STAGES
- SURFACE WATER FLOW DIRECTION

NOTES

TEMPORARY CROSSOVER PAVEMENT STRUCTURE IS 5.5" ASPHALTIC SURFACE TEMPORARY OVER 10" BASE AGGREGATE DENSE 1 1/4 -INCH

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC LOCATION DETAILS

SEE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" AND "TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE" FOR ADDITIONAL DEVICES AND INFORMATION



STATION & OFFSET TABLE (RADII)		
POINT	STATION	OFFSET
R2	1494+98.91	3087.53, RT
R3	1498+97.50	1467.31, RT

CURVE NO. 18 'BA2'
PI STA = 59+27.00
Y = 151273.52
X = 158743.61
PC STA = 57+34.61
Y=151081.87
X=158726.72
PT STA = 61+19.21
Y=151463.31
X=158775.17
DELTA = 4°24'26"
D = 1°08'45"
T = 192.40'
L = 384.60'
R = 5000.00'
PROPOSED SE= RC

CURVE NO. 19 'BA1'
PI STA = 24+55.47
Y = 151388.00
X = 158845.65
PC STA = 21+97.29
Y=151136.49
X=158787.36
PT STA = 27+12.96
Y=151644.83
X=158871.92
DELTA = 7°12'22"
D = 1°23'51"
T = 258.17'
L = 515.67'
R = 4100.00'
PROPOSED SE= NC - RC

CURVE NO. 20 'BA2'
PI STA = 64+66.82
Y = 151806.21
X = 158832.21
PC STA = 61+19.21
Y=151463.31
X=158775.17
PT STA = 68+11.60
Y=152128.24
X=158963.10
DELTA = 12°40'28"
D = 1°49'50"
T = 347.61'
L = 692.39'
R = 3130.00'
PROPOSED SE= NC - 4.0%

CURVE NO. 21 'BA2'
PI STA = 69+66.41
Y = 152271.66
X = 159021.38
PC STA = 68+11.60
Y=152128.24
X=158963.10
PT STA = 71+20.97
Y=152420.13
X=159065.24
DELTA = 5°39'47"
D = 1°49'50"
T = 154.81'
L = 309.37'
R = 3130.00'
PROPOSED SE= NC

CURVE NO. 22 'BA1'
PI STA = 28+98.74
Y = 151829.65
X = 158890.83
PC STA = 27+12.96
Y=151644.83
X=158871.92
PT STA = 30+83.46
Y=152007.82
X=158943.46
DELTA = 10°36'51"
D = 2°51'53"
T = 185.78'
L = 370.50'
R = 2000.00'
PROPOSED SE= 5.6%

STATION & OFFSET TABLE (LAYOUT POINTS)		
POINT	STATION	OFFSET
K	1497+39.43	33.21, LT
L	1497+61.50	47.49, LT
M	1499+12.67	14.88, LT
N	1499+14.80	30.86, LT
S	1499+23.22	50.16, RT
T	1501+53.55	63.08, RT
U	1501+80.09	68.18, RT
V	1502+95.68	91.28, RT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 1A - TEMP CROSSOVER - USH 53 NB/CTH B EXIT	SHEET 126	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025006-TC.DWG
LAYOUT NAME - 08
PLOT DATE : 7/13/2021 12:56 PM
PLOT BY : ADMIN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- TRAFFIC CONTROL SIGN
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN FUTURE STAGES
- SURFACE WATER FLOW DIRECTION

NOTES

TEMPORARY CROSSOVER PAVEMENT STRUCTURE IS 5.5" ASPHALTIC SURFACE TEMPORARY OVER 10" BASE AGGREGATE DENSE 1 1/4 -INCH

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC IN STAGE LOCATION DETAILS

SEE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" FOR ADDITIONAL DEVICES AND INFORMATION

CURVE NO. 23 'T3'
PI STA = 29.06+29.06
Y = 157342.01
X = 158691.36
PC STA = 105+07.33
Y=156920.60
X=158707.67
PT STA = 113+50.39
Y=157763.45
X=158707.08
DELTA = 4°21'06"
D = 0°30'58"
T = 421.73'
L = 843.05'
R = 11100.00'
PROPOSED SE= NC - 3%

N

R/W

111TH ST

BP: 100+00.00'T3'

PC: 105+07.33'T3'

100' TYP

USH 53 SB

R1=11100'

USE CROSSOVER IN STAGE 3

102'T3' N2° 12' 59"W 104'T3' 106'T3' 108'T3' CURVE 23 110'T3' 112'T3'

202'T4' 204'T4' 206'T4' 208'T4' CURVE 24 210'T4' 212'T4'

Y = 156413.644
X = 158727.293

Y = 156416.255
X = 158791.240

N2° 12' 59"W

USH 53 NB

R2=11084'

BP: 200+00.00'T4'

PC: 204+47.10'T4'

USE CROSSOVER IN STAGE 8

R/W

LANE CLOSED
R11-2L
48"X30"

STA 2504+00 - STA 2507+95
TEMPORARY STORM SEWER REQ'D, SEE SEC 5
PLAN SHEETS FOR ADDITIONAL INFORMATION

CURVE NO. 24 'T4'
PI STA = 94.45+94.45
Y = 157309.90
X = 158756.66
PC STA = 204+47.10
Y=156862.88
X=158773.96
PT STA = 213+41.32
Y=157754.08
X=158703.44
DELTA = 4°36'57"
D = 0°30'58"
T = 447.35'
L = 894.22'
R = 11100.00'
PROPOSED SE= NC - RC

STATION & OFFSET TABLE (LAYOUT POINTS)		
POINT	STATION	OFFSET
A	1547+47.58	4.00, LT
B	1549+47.58	4.00, LT
C	1551+47.46	8.00, LT
D	1554+45.33	8.00, LT
E	1557+22.87	18.94, LT
F	1557+22.87	40.04, LT
G	1552+07.81	52.00, LT
H	1547+57.81	54.00, LT

STATION & OFFSET TABLE (RADII)		
POINT	STATION	OFFSET
R1	1552+07.81	11048.00, RT
R2	1551+47.58	11088.00, LT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 1A - TEMP CROSSOVER - NORTH PROJECT LIMIT	SHEET 127	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025005-TC.DWG
LAYOUT NAME - 03

PLOT DATE : 7/13/2021 12:50 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- TRAFFIC CONTROL SIGN
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN FUTURE STAGES
- SURFACE WATER FLOW DIRECTION

NOTES

TEMPORARY CROSSOVER PAVEMENT STRUCTURE IS 5.5" ASPHALTIC SURFACE TEMPORARY OVER 10" BASE AGGREGATE DENSE 1 1/4 -INCH

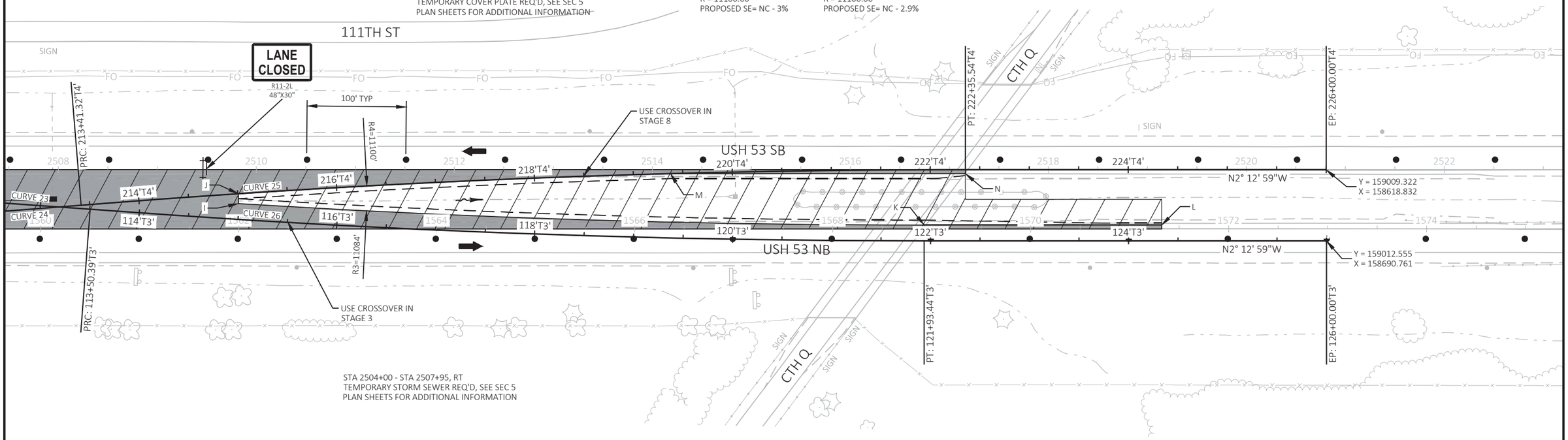
SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC IN STAGE LOCATION DETAILS

SEE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" FOR ADDITIONAL DEVICES AND INFORMATION

CURVE NO. 23 'T3'
PI STA = 29.06+29.06
Y = 157342.01
X = 158691.36
PC STA = 105+07.33
Y=156920.60
X=158707.67
PT STA = 113+50.39
Y=157763.45
X=158707.08
DELTA = 4°21'06"
D = 0°30'58"
T = 421.73'
L = 843.05'
R = 11100.00'
PROPOSED SE= NC - 3%

CURVE NO. 25 'T4'
PI STA = 88.67+88.67
Y = 158198.26
X = 158650.22
PC STA = 213+41.32
Y=157754.08
X=158703.44
PT STA = 222+35.54
Y=158645.27
X=158632.92
DELTA = 4°36'57"
D = 0°30'58"
T = 447.35'
L = 894.22'
R = 11100.00'
PROPOSED SE= NC - 2.9%

STA 2507+95, RT
TEMPORARY COVER PLATE REQ'D, SEE SEC 5
PLAN SHEETS FOR ADDITIONAL INFORMATION



STA 2504+00 - STA 2507+95, RT
TEMPORARY STORM SEWER REQ'D, SEE SEC 5
PLAN SHEETS FOR ADDITIONAL INFORMATION

CURVE NO. 24 'T4'
PI STA = 94.45+94.45
Y = 157309.90
X = 158756.66
PC STA = 204+47.10
Y=156862.88
X=158773.96
PT STA = 213+41.32
Y=157754.08
X=158703.44
DELTA = 4°36'57"
D = 0°30'58"
T = 447.35'
L = 894.22'
R = 11100.00'
PROPOSED SE= NC - RC

CURVE NO. 26 'T3'
PI STA = 72.12+72.12
Y = 158184.89
X = 158722.79
PC STA = 113+50.39
Y=157763.45
X=158707.08
PT STA = 121+93.44
Y=158606.30
X=158706.48
DELTA = 4°21'06"
D = 0°30'58"
T = 421.73'
L = 843.05'
R = 11100.00'
PROPOSED SE= NC - 2.5%

STATION & OFFSET TABLE (LAYOUT POINTS)		
POINT	STATION	OFFSET
I	1561+99.71	25.66, LT
J	1561+99.71	35.68, LT
K	1568+92.30	4.00, LT
L	1571+32.30	4.00, LT
M	1566+36.12	56.00, LT
N	1569+34.09	56.00, LT

STATION & OFFSET TABLE (RADII)		
POINT	STATION	OFFSET
R3	1621+86.56	10911.75, LT
R4	1569+34.09	11040.00, RT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 1A - TEMP CROSSOVER - NORTH PROJECT LIMIT	SHEET 128	E

LEGEND

PROPOSED CONSTRUCTION

REMOVAL OF TEMPORARY CROSSOVER OR TEMPORARY WIDENING

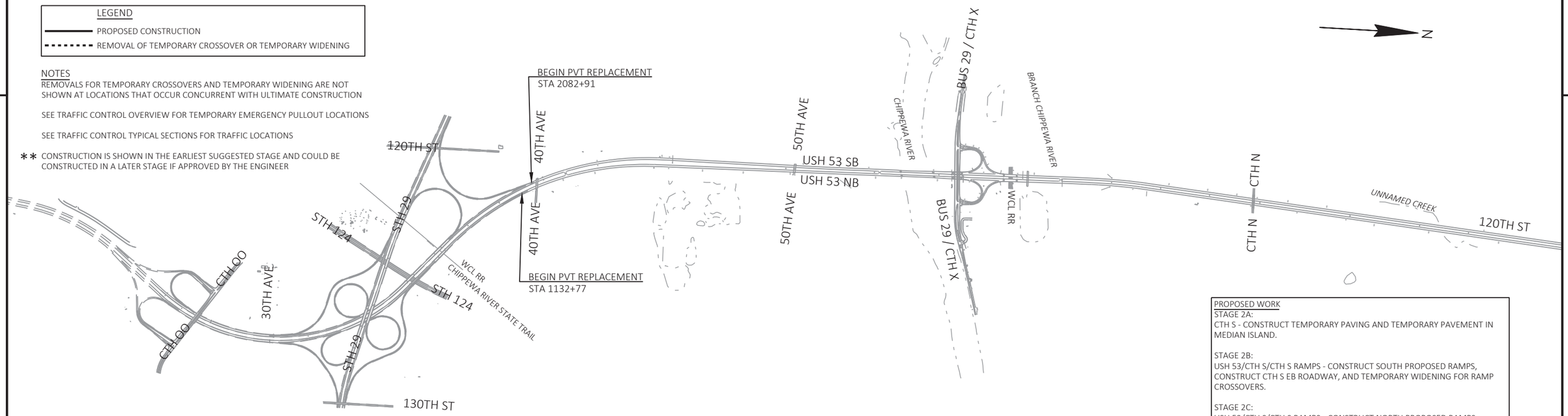
NOTES

REMOVALS FOR TEMPORARY CROSSOVERS AND TEMPORARY WIDENING ARE NOT SHOWN AT LOCATIONS THAT OCCUR CONCURRENT WITH ULTIMATE CONSTRUCTION

SEE TRAFFIC CONTROL OVERVIEW FOR TEMPORARY EMERGENCY PULLOUT LOCATIONS

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC LOCATIONS

** CONSTRUCTION IS SHOWN IN THE EARLIEST SUGGESTED STAGE AND COULD BE CONSTRUCTED IN A LATER STAGE IF APPROVED BY THE ENGINEER

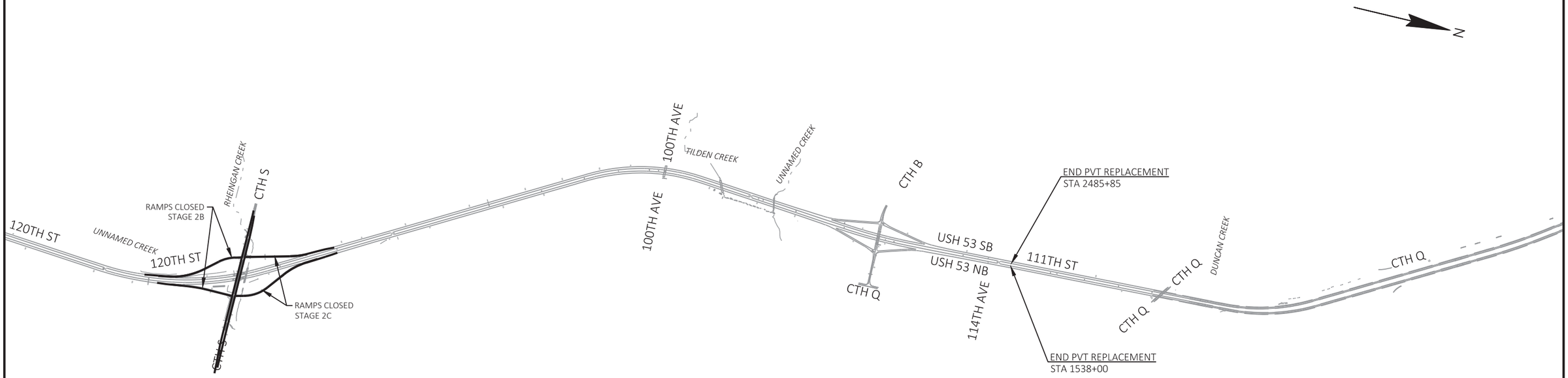


PROPOSED WORK

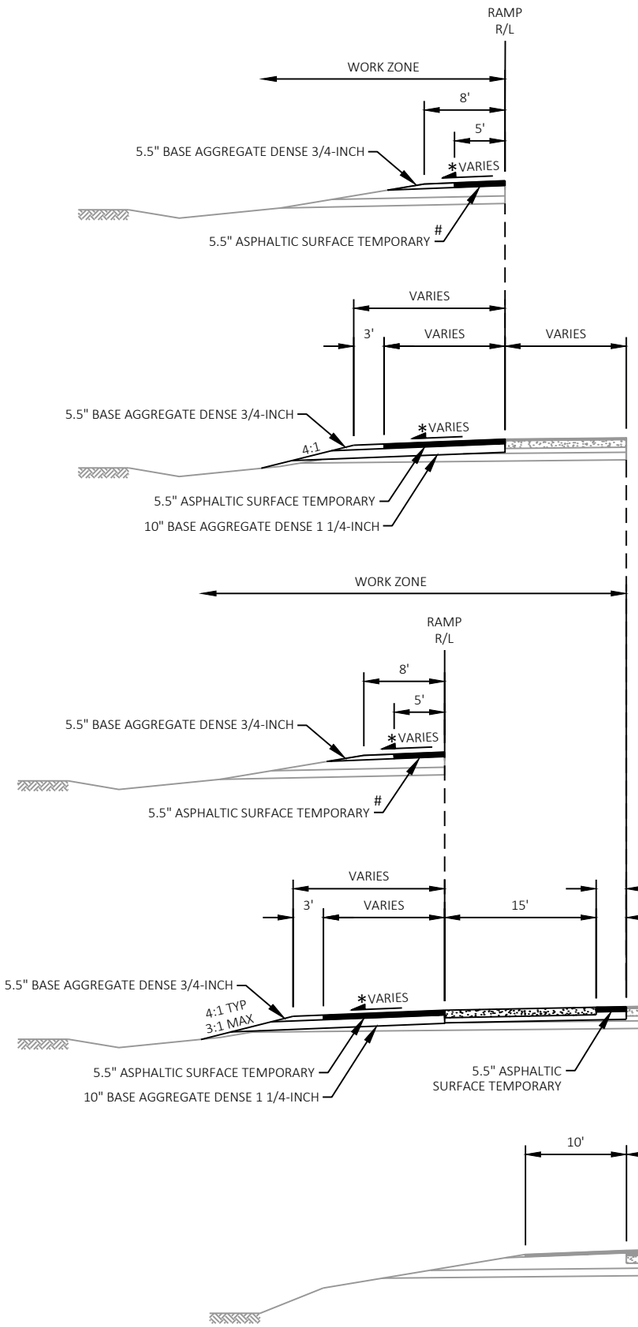
STAGE 2A:
CTH S - CONSTRUCT TEMPORARY PAVING AND TEMPORARY PAVEMENT IN MEDIAN ISLAND.

STAGE 2B:
USH 53/CTH S/CTH S RAMPS - CONSTRUCT SOUTH PROPOSED RAMPS, CONSTRUCT CTH S EB ROADWAY, AND TEMPORARY WIDENING FOR RAMP CROSSOVERS.

STAGE 2C:
USH 53/CTH S/CTH S RAMPS - CONSTRUCT NORTH PROPOSED RAMPS, CONSTRUCT CTH S WB ROADWAY, AND TEMPORARY WIDENING FOR RAMP CROSSOVERS.



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 2 OVERVIEW	SHEET 129	E



STAGE 2B
ADJACENT TO RAMP 'SD' ** (SEE STAGE 6 SHEETS)

STAGE 2C
ADJACENT TO RAMP 'SC' ** (SEE STAGE 6 SHEETS)

LEGEND

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER

(1) DRUM LOCATION SHOWN FOR AREAS NOT IMMEDIATELY ADJACENT TO CONSTRUCTION ACTIVITIES, DRUMS MAY BE SHIFTED TO LANE LINE ONLY IN AREAS WITH CONSTRUCTION ACTIVITIES AS APPROVED BY THE ENGINEER DURING ALLOWABLE HOURS. LANE CLOSURES ONLY DURING ALLOWABLE PERIODS.

TRAFFIC CONTROL FLOW ARROW

NOTES

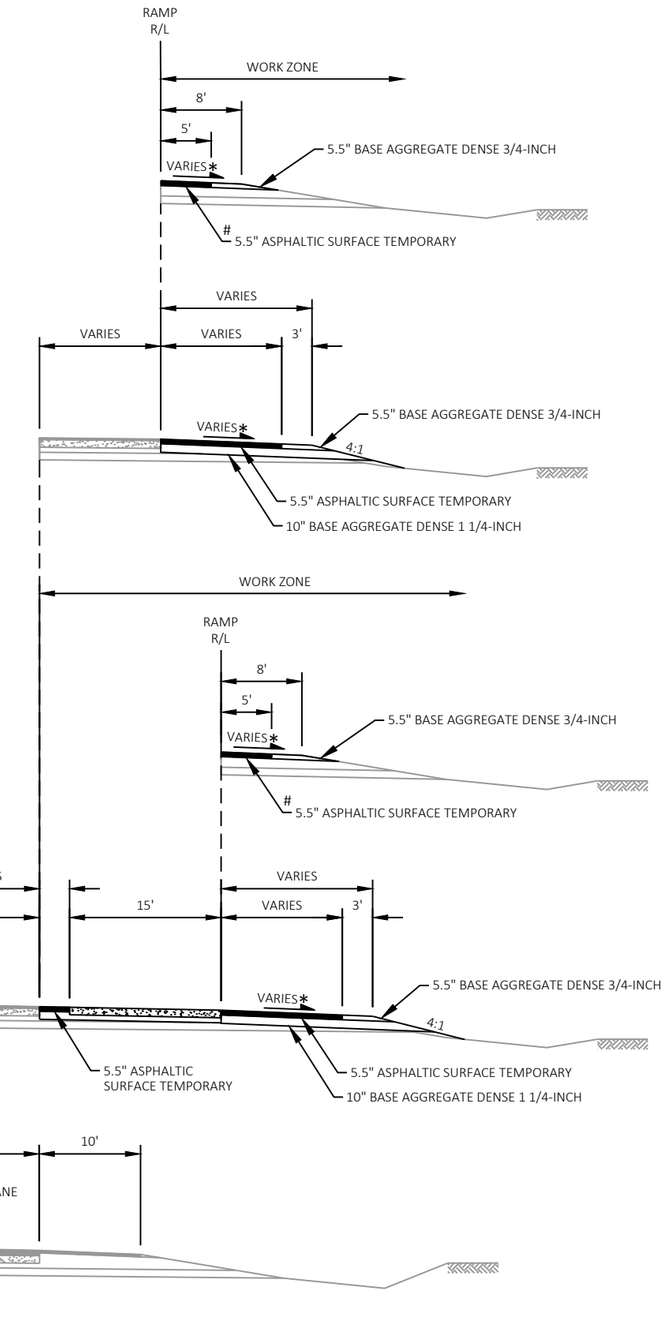
* CROSS SLOPE VARIES DUE TO SUPERELEVATION.

** SEE TRAFFIC CONTROL PLAN DETAILS AND TEMPORARY CROSSOVER DETAILS FOR TEMPORARY WIDENING AND TEMPORARY PAVEMENT LAYOUT INFORMATION.

\# REMOVE EXISTING PAVED SHOULDER AND NECESSARY AGGREGATE UNDER THE EXCAVATION COMMON ITEM PRIOR TO PLACEMENT OF ASPHALTIC SURFACE TEMPORARY. PREPARATION OF THE FOUNDATION IS INCIDENTAL TO THE ASPHALTIC SURFACE TEMPORARY ITEM. CROSS SECTIONS ARE NOT SHOWN IN THESE AREAS.

LOCATIONS NOT SHOWN IN TRAFFIC CONTROL TYPICAL SECTIONS ARE ON NORMAL ALIGNMENT.

SEE STAGE OVERVIEW SHEETS FOR ROADWAY AND RAMP CLOSURES. ROADWAYS NOT SHOWN IN TRAFFIC CONTROL TYPICAL SECTIONS ARE ON NORMAL TRAVEL LANES.



STAGE 2B
(SEE STAGE 1 SHEETS) ** ADJACENT TO RAMP 'SA'

STAGE 2C
(SEE STAGE 1 SHEETS) ** ADJACENT TO RAMP 'SB'

STAGE 2 TYPICAL SECTION
USH 53

2

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - TYPICAL SECTIONS - USH 53	SHEET 130	E

2

LEGEND

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER

TRAFFIC CONTROL FLOW ARROW

NOTES

** SEE TRAFFIC CONTROL PLANS FOR TEMPORARY PAVEMENT LAYOUT INFORMATION.

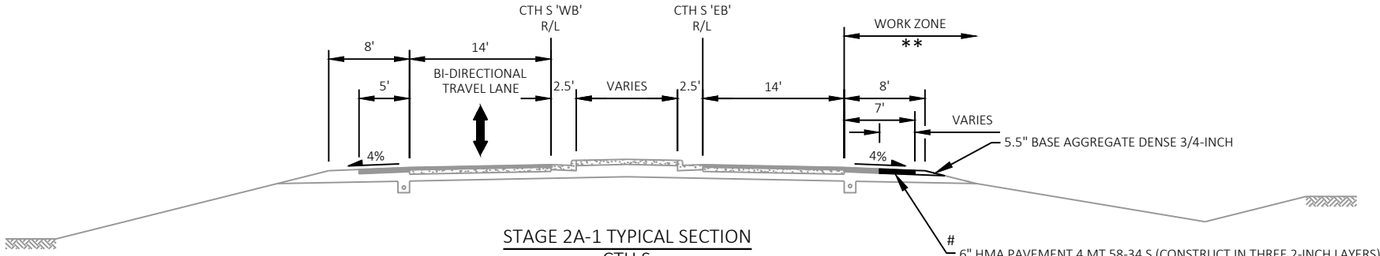
REMOVE EXISTING PAVED SHOULDER AND NECESSARY AGGREGATE UNDER THE EXCAVATION COMMON ITEM PRIOR TO PLACEMENT OF ASPHALTIC SURFACE TEMPORARY. PREPARATION OF THE FOUNDATION IS INCIDENTAL TO THE ASPHALTIC SURFACE TEMPORARY ITEM. CROSS SECTIONS ARE NOT SHOWN IN THESE AREAS.

LOCATIONS NOT SHOWN IN TRAFFIC CONTROL TYPICAL SECTIONS ARE ON NORMAL ALIGNMENT.

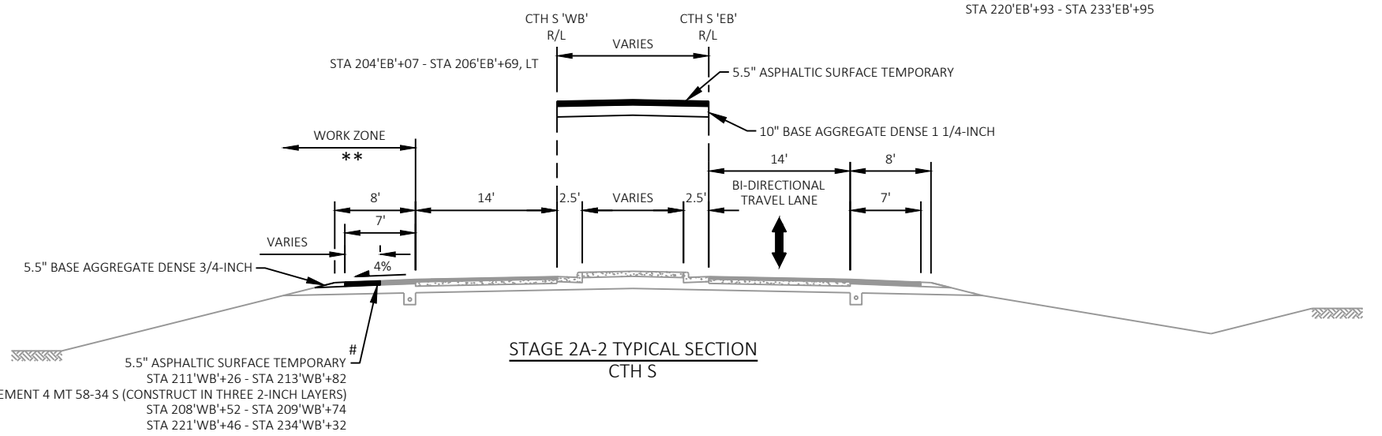
SEE STAGE OVERVIEW SHEETS FOR ROADWAY AND RAMP CLOSURES. ROADWAYS NOT SHOWN IN TRAFFIC CONTROL TYPICAL SECTIONS ARE ON NORMAL TRAVEL LANES.

CONSTRUCT TEMPORARY SHOULDER PAVING IN STAGE 2A UNDER FLAGGING OPERATIONS.

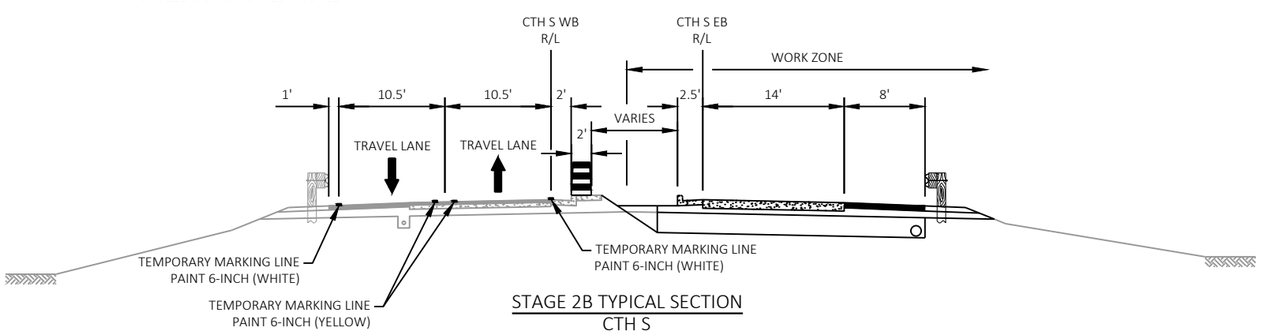
STAGE 2D (NOT SHOWN) - RESTORE CURB & GUTTER FROM STA 204'EB'+07 - STA 206'EB'+69. SEE STAGE 2A-2 TYPICAL SECTION AND CONSTRUCT UNDER FLAGGING OPERATIONS. SEE PAVING DETAILS FOR ADDITIONAL INFORMATION.



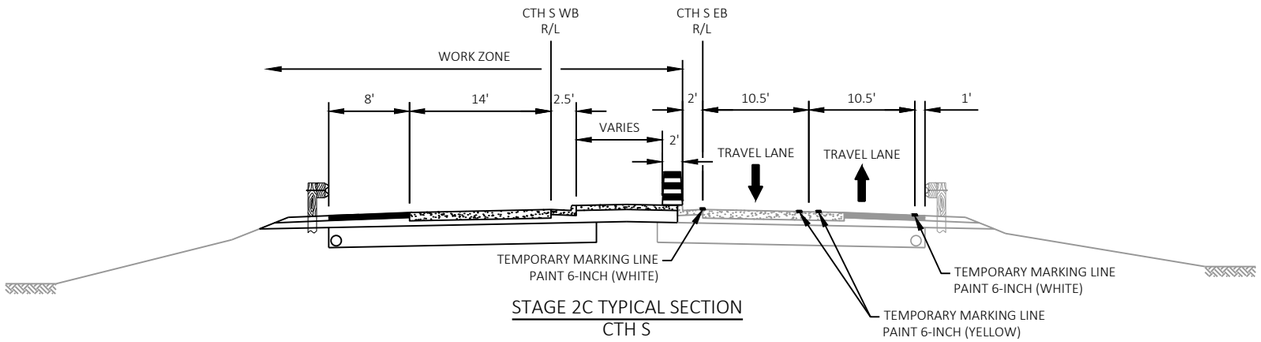
STAGE 2A-1 TYPICAL SECTION
CTH S



STAGE 2A-2 TYPICAL SECTION
CTH S



STAGE 2B TYPICAL SECTION
CTH S



STAGE 2C TYPICAL SECTION
CTH S

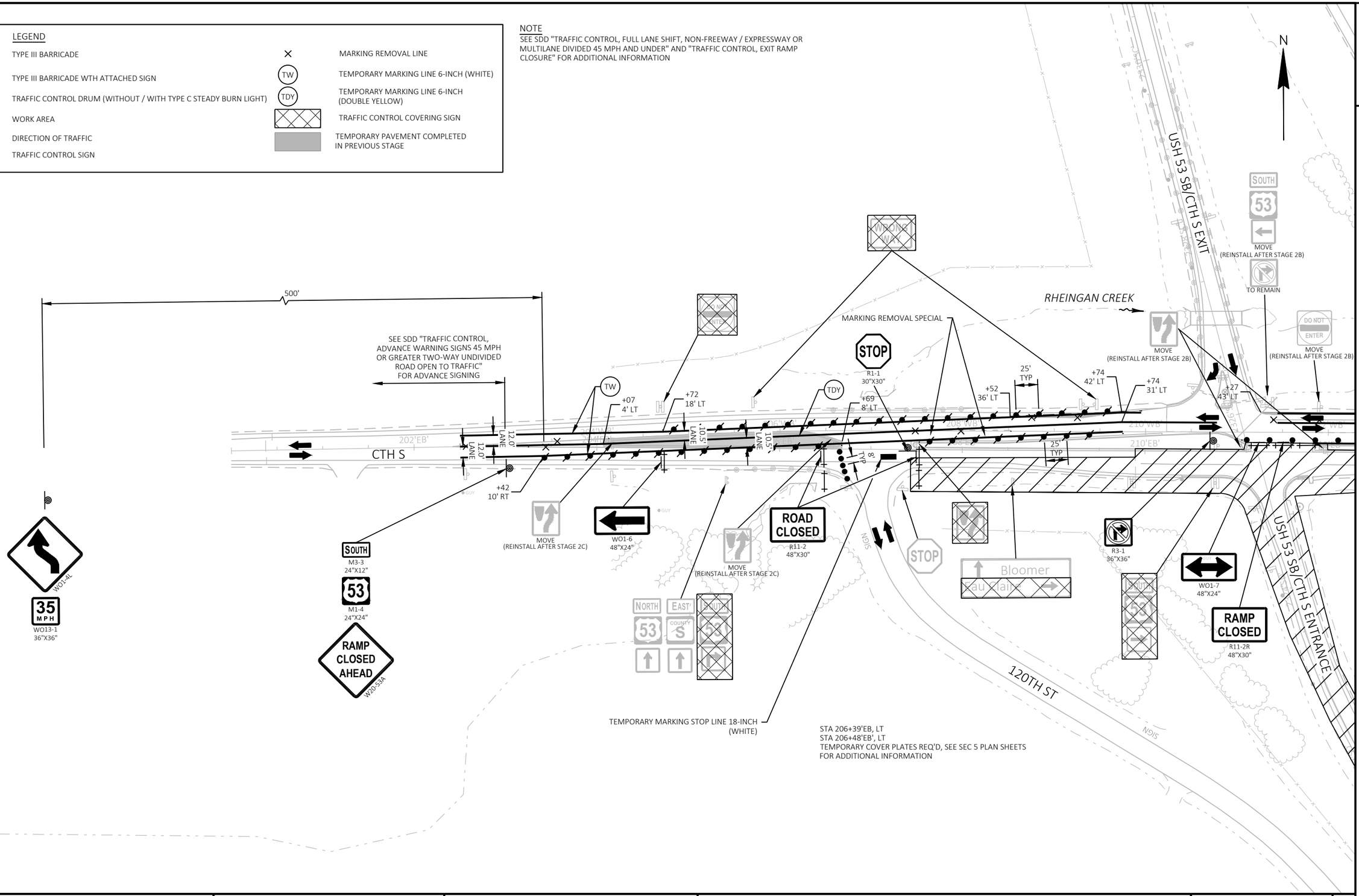
2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL SIGN
- MARKING REMOVAL LINE
- TW — TEMPORARY MARKING LINE 6-INCH (WHITE)
- TDY — TEMPORARY MARKING LINE 6-INCH (DOUBLE YELLOW)
- TRAFFIC CONTROL COVERING SIGN
- TEMPORARY PAVEMENT COMPLETED IN PREVIOUS STAGE

NOTE

SEE SDD "TRAFFIC CONTROL, FULL LANE SHIFT, NON-FREEWAY / EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER" AND "TRAFFIC CONTROL, EXIT RAMP CLOSURE" FOR ADDITIONAL INFORMATION



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 2B - DETAIL - CTH S	SHEET 132	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025102-TC.DWG
LAYOUT NAME - 01

PLOT DATE : 6/21/2023 1:22 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

USH 53 NB/CTH S ENTRANCE

USH 53 NB/CTH S EXIT

USH 53 SB

USH 53 NB

USH 53 SB/CTH S ENTRANCE

120TH ST

CTH S

RHEINGAN CREEK

R3-2
36"X36"

WRONG WAY
MOVE
(REINSTALL AFTER STAGE 2B)

Eau Claire
MOVE
(REINSTALL AFTER STAGE 2B)

WO1-4L

35 MPH
WO13-1
36"X36"

SOUTH
53
MOVE
(REINSTALL AFTER STAGE 2B)

ONE WAY
MOVE
(REINSTALL AFTER STAGE 2B)

DO NOT ENTER
MOVE
(REINSTALL AFTER STAGE 2B)

NORTH
53

MARKING REMOVAL SPECIAL

SOUTH
M3-3
24"X12"
53
M1-4
24"X24"
RAMP CLOSED AHEAD
W20-53A

WRONG WAY

Eau Claire
Bloomer

MOVE
(REINSTALL AFTER STAGE 2B)

DO NOT ENTER

+82
44' LT

+46
44' LT

TW

TDY

1' MIN SHOULDER

10.5' LANE

25' TYP

8' TYP

LANE CLOSED
R11-2L
48"X30"

NORTH
M3-1
24"X12"
53
M1-4
24"X24"
M5-1L
21"X21"

NORTH
M3-1
24"X12"
53
M1-4
24"X24"
M6-1
21"X21"

MOVE
(REINSTALL AFTER STAGE 2B)

RAMP CLOSED
R11-2R
48"X30"

MOVE
(REINSTALL AFTER STAGE 2B)

WO1-4R

STOP
R1-1
30"X30"

ROAD CLOSED
R11-2
48"X30"

MOVE
(REINSTALL AFTER STAGE 2B)

NOTE
SEE SDD "TRAFFIC CONTROL, FULL LANE SHIFT, NON-FREEWAY / EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER" AND "TRAFFIC CONTROL, EXIT RAMP CLOSURE" FOR ADDITIONAL INFORMATION

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL SIGN
- MARKING REMOVAL LINE
- TW — TEMPORARY MARKING LINE 6-INCH (WHITE)
- TDY — TEMPORARY MARKING LINE 6-INCH (DOUBLE YELLOW)
- TRAFFIC CONTROL COVERING SIGN
- TEMPORARY PAVEMENT COMPLETED IN PREVIOUS STAGE

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 2B - DETAIL - CTH S	SHEET 133	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025102-TC.DWG
LAYOUT NAME - 02

PLOT DATE : 6/21/2023 1:23 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

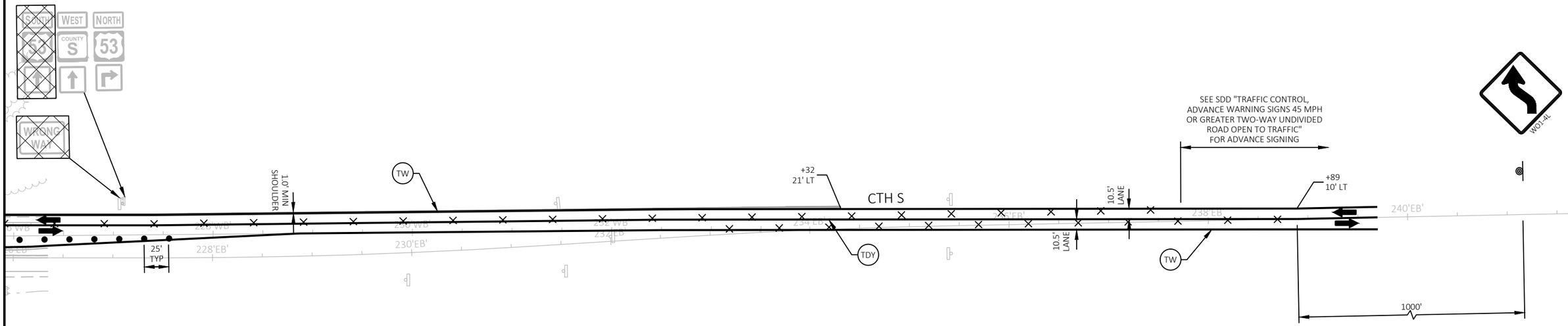
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL SIGN
- MARKING REMOVAL LINE
- TW — TEMPORARY MARKING LINE 6-INCH (WHITE)
- TDY — TEMPORARY MARKING LINE 6-INCH (DOUBLE YELLOW)
- TRAFFIC CONTROL COVERING SIGN
- TEMPORARY PAVEMENT COMPLETED IN PREVIOUS STAGE

NOTE

SEE SDD "TRAFFIC CONTROL, FULL LANE SHIFT, NON-FREEWAY / EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER" AND "TRAFFIC CONTROL, EXIT RAMP CLOSURE" FOR ADDITIONAL INFORMATION

N



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 2B - DETAIL - CTH S	SHEET 134	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025102-TC.DWG
LAYOUT NAME - 03

PLOT DATE : 6/21/2023 1:23 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

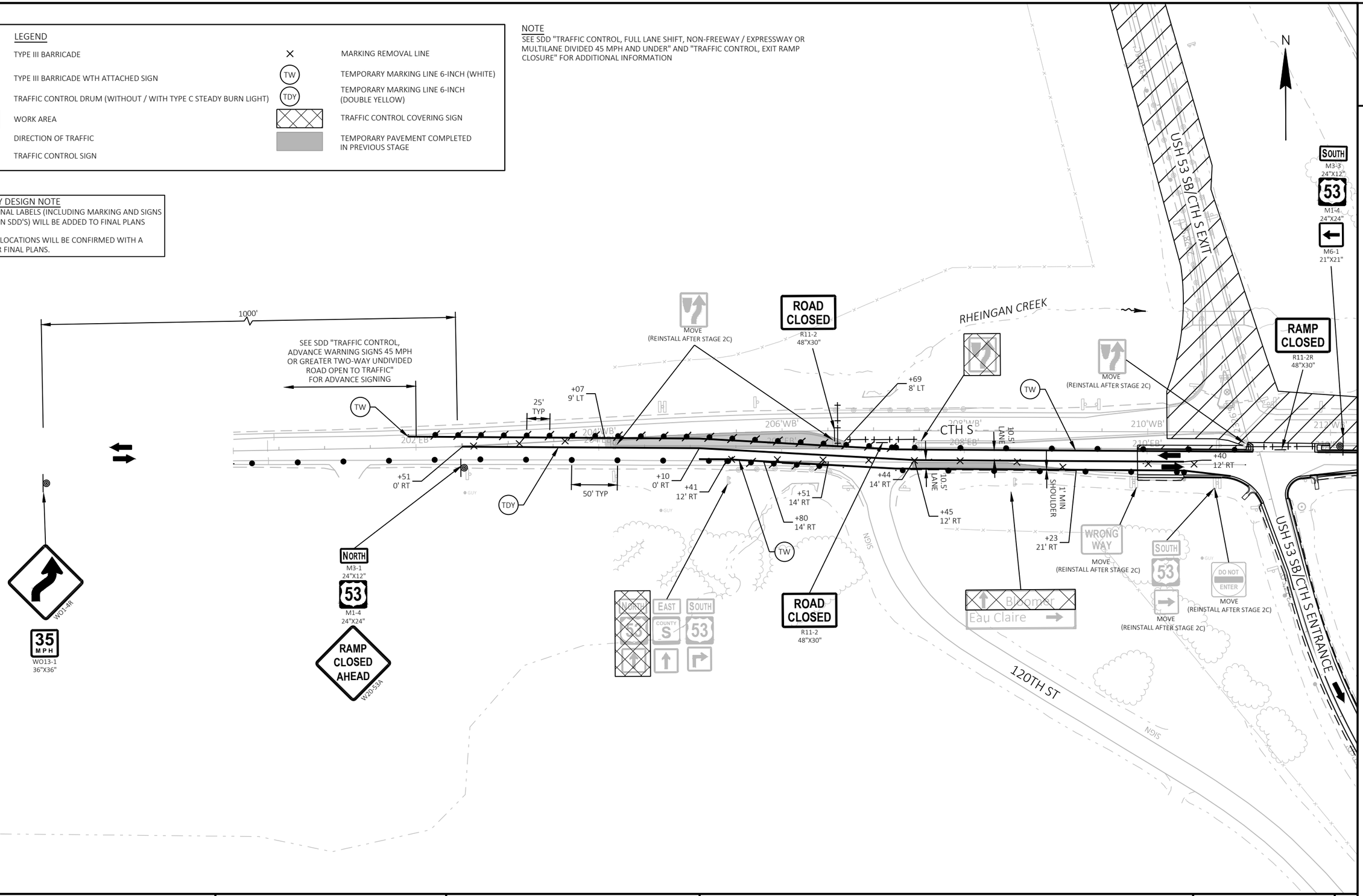
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL SIGN
- MARKING REMOVAL LINE
- TW — TEMPORARY MARKING LINE 6-INCH (WHITE)
- TDY — TEMPORARY MARKING LINE 6-INCH (DOUBLE YELLOW)
- TRAFFIC CONTROL COVERING SIGN
- TEMPORARY PAVEMENT COMPLETED IN PREVIOUS STAGE

NOTE
SEE SDD "TRAFFIC CONTROL, FULL LANE SHIFT, NON-FREEWAY / EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER" AND "TRAFFIC CONTROL, EXIT RAMP CLOSURE" FOR ADDITIONAL INFORMATION

PRELIMINARY DESIGN NOTE
SOME ADDITIONAL LABELS (INCLUDING MARKING AND SIGNS NOT SHOWN ON SDD'S) WILL BE ADDED TO FINAL PLANS

EXISTING SIGN LOCATIONS WILL BE CONFIRMED WITH A FIELD VISIT FOR FINAL PLANS.



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 2C - DETAIL - CTH S	SHEET 135	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025103-TC.DWG
LAYOUT NAME - 01
PLOT DATE : 6/21/2023 1:28 PM
PLOT BY : ADMIN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL SIGN
- MARKING REMOVAL LINE
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- TEMPORARY PAVEMENT COMPLETED IN PREVIOUS STAGE

NOTE
SEE SDD "TRAFFIC CONTROL, FULL LANE SHIFT, NON-FREEWAY / EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER" AND "TRAFFIC CONTROL, EXIT RAMP CLOSURE" FOR ADDITIONAL INFORMATION

N

SOUTH M3-3 24"X12"
53 M1-4 24"X24"
M6-1 21"X21"

SOUTH M3-3 24"X12"
53 M1-4 24"X24"
M5-1L 21"X21"

ROAD CLOSED R11-2 48"X30"

LANE CLOSED R11-2L 48"X30"

RAMP CLOSED R11-2R 48"X30"

NORTH 53 MOVE (REINSTALL AFTER STAGE 2C)

R3-1 36"X36"

ROAD CLOSED R11-2 48"X30"

Eau Claire
Bloomer

RHEINGAN CREEK

USH 53 NB/CTH S ENTRANCE

CTH S

25' TYP

212'WB' 214'WB' 216'WB' 218'WB' 220'WB' 222'WB' 224'WB' 226'WB'

212'EB' 214'EB' 216'EB' 218'EB' 220'EB' 222'EB' 224'EB' 226'EB'

TW

TDY

+93 20' RT

WO1-7 48"X24"

MOVE (REINSTALL AFTER STAGE 2C)

WRONG WAY

WO1-4L

DO NOT ENTER

SIGN

11' MIN SHOULDER

10.5' LANE

10.5' LANE

1.0' MIN SHOULDER

WRONG WAY MOVE (REINSTALL AFTER STAGE 2C)

R3-2 36"X36"

NORTH 53 MOVE (REINSTALL AFTER STAGE 2C)

WO1-4R

NORTH 53 MOVE (REINSTALL AFTER STAGE 2C)

35 MPH WO13-1 36"X36"

Bloomer MOVE (REINSTALL AFTER STAGE 2C)

USH 53 SB

USH 53 NB

USH 53 SB/CTH S ENTRANCE

USH 53 NB/CTH S EXIT

1374'SA

120TH ST

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 2C - DETAIL - CTH S	SHEET 136	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025103-TC.DWG
LAYOUT NAME - 02

PLOT DATE : 6/21/2023 1:28 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

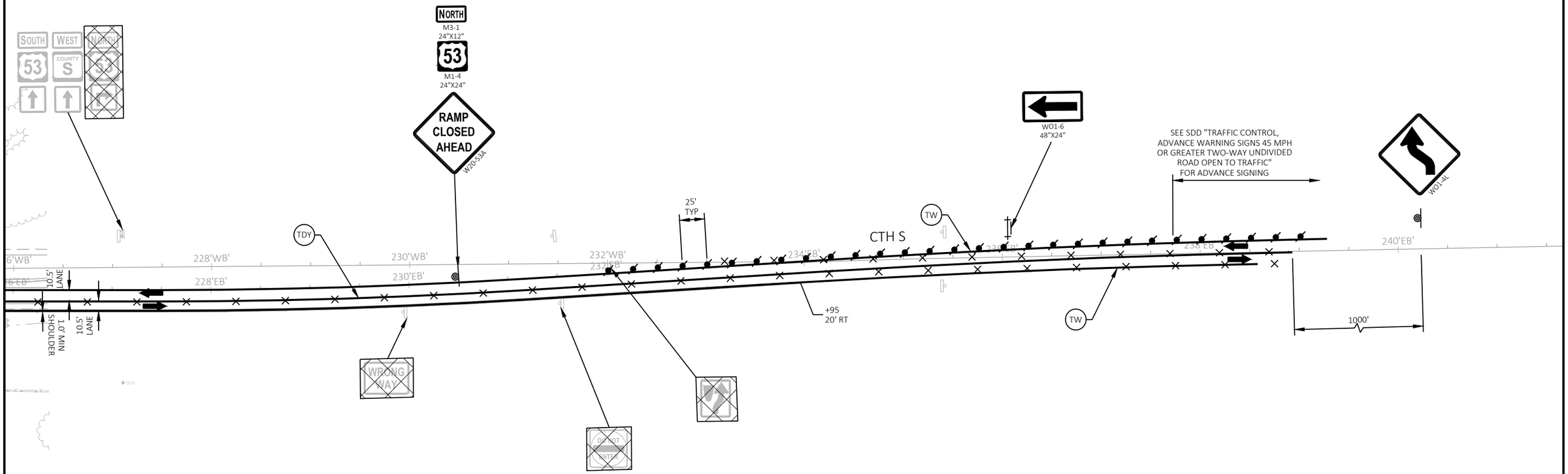
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL SIGN
- MARKING REMOVAL LINE
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- TDY — TEMPORARY MARKING LINE 6-INCH (DOUBLE YELLOW)
- TRAFFIC CONTROL COVERING SIGN
- TEMPORARY PAVEMENT COMPLETED IN PREVIOUS STAGE

NOTE

SEE SDD "TRAFFIC CONTROL, FULL LANE SHIFT, NON-FREEWAY / EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER" AND "TRAFFIC CONTROL, EXIT RAMP CLOSURE" FOR ADDITIONAL INFORMATION

N



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 2C - DETAIL - CTH S	SHEET 137	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025103-TC.DWG
LAYOUT NAME - 03

PLOT DATE : 6/21/2023 1:29 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : ##########

2

LEGEND

PROPOSED CONSTRUCTION

REMOVAL OF TEMPORARY CROSSOVER OR TEMPORARY WIDENING

NOTES

REMOVALS FOR TEMPORARY CROSSOVERS AND TEMPORARY WIDENING ARE NOT SHOWN AT LOCATIONS THAT OCCUR CONCURRENT WITH ULTIMATE CONSTRUCTION

SEE TRAFFIC CONTROL OVERVIEW FOR TEMPORARY EMERGENCY PULLOUT LOCATIONS

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC LOCATIONS

** CONSTRUCTION IS SHOWN IN THE EARLIEST SUGGESTED STAGE AND COULD BE CONSTRUCTED IN A LATER STAGE IF APPROVED BY THE ENGINEER

PROPOSED WORK

STAGE 3A:
USH 53 NB (NORTH PORTION) - CONSTRUCT PROPOSED ROADWAY, TEMPORARY EMERGENCY PULLOUTS (SEE TRAFFIC CONTROL - OVERVIEW FOR LOCATIONS), AND TEMPORARY RAMP CROSSOVERS.

STAGE 3B:
USH 53 NB (NORTH PORTION) - CONSTRUCT PROPOSED ROADWAY GAPS AT CTH S AND CTH B RAMPS.

N

BEGIN PVT REPLACEMENT
STA 2082+91

BEGIN PVT REPLACEMENT
STA 1132+77

120TH ST
40TH AVE
STH 124
STH 29
CTH OO
30TH AVE
WCL RR
CHIPPEWA RIVER STATE TRAIL
130TH ST
50TH AVE
USH 53 SB
USH 53 NB
CHIPPEWA RIVER
BUS 29 / CTH X
BRANCH CHIPPEWA RIVER
WCL RR
CTH N
UNNAMED CREEK

DETAIL A - TRAFFIC CONTROL ON CTH B DURING RAMP CLOSURE

NORTH M3-1 24"X12"
53 M1-4 24"X24"
RAMP CLOSED AHEAD W20-53A
3-1 3-2 3-3 3-4 3-5
SUPERIOR
EAU CLAIRE

NOTE
SEE PERMANENT SIGNING SHEETS FOR ADDITIONAL COVERING SIGNS

LEGEND
RAMP AND TURN LANE CLOSURE
TRAFFIC CONTROL COVERING SIGN
DIRECTION OF TRAFFIC
TYPE III BARRICADE
TYPE III BARRICADE WTH ATTACHED SIGN
TRAFFIC CONTROL DRUM
TRAFFIC CONTROL SIGN

USH 53 NB/CTH B ENTRANCE
R3-1 36"X36"
CTH B
25' TYP
3-4 3-5 3-1
SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY"
SEE SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC"
3-1 3-2 3-3
USH 53 NB/CTH B EXIT
RAMP CLOSED R11-2R 48"X30"
LANE CLOSED R11-2L 48"X30"

N

120TH ST
UNNAMED CREEK
RHEINGAN CREEK
CTH S
100TH AVE
FILDEN CREEK
UNNAMED CREEK
CTH B
SEE DETAIL A
CTH Q
RAMP CLOSED STAGE 3A
USH 53 SB
USH 53 NB
114TH AVE
111TH ST
END PVT REPLACEMENT
STA 2485+85
END PVT REPLACEMENT
STA 1538+00
CTH Q
DUNCAN CREEK

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 3 OVERVIEW	SHEET 138	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025001-TC.DWG
LAYOUT NAME - 03-1
PLOT DATE : 7/14/2021 12:07 PM
PLOT BY : ERIK OLESON
PLOT NAME :
PLOT SCALE : 1 IN:2000 FT

WISDOT/CADDS SHEET 44

2

LEGEND

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER

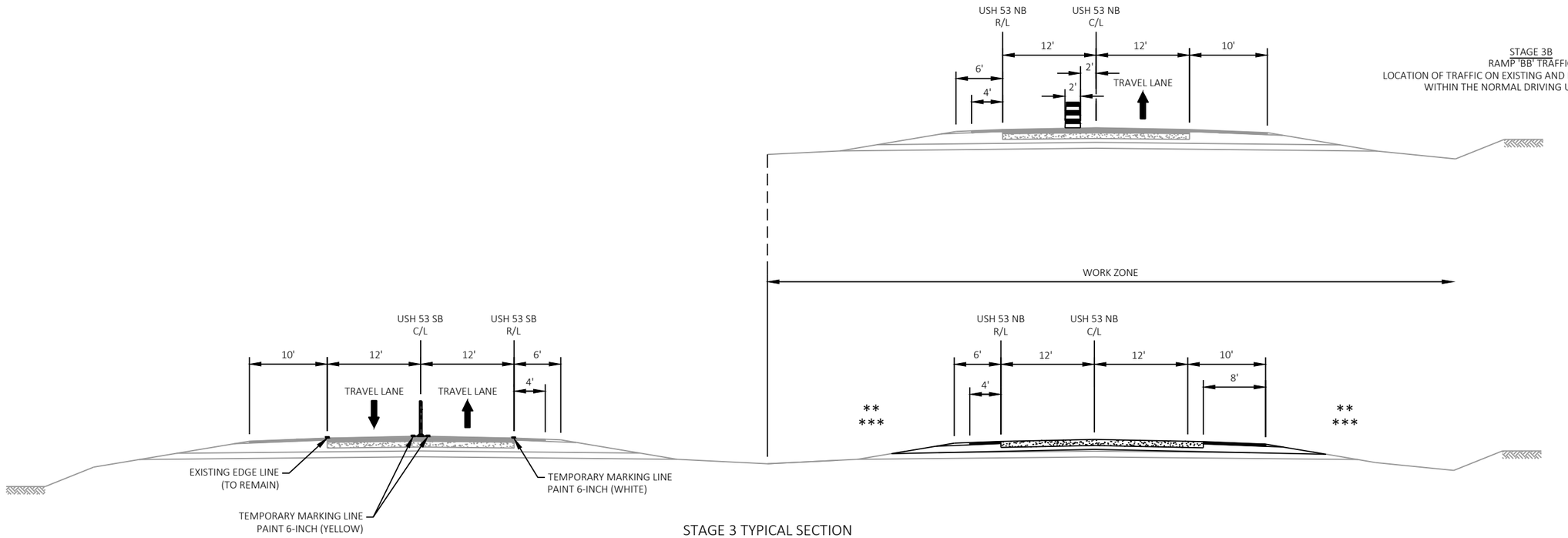
TRAFFIC CONTROL FLOW ARROW

NOTES

** SEE TRAFFIC CONTROL PLAN DETAILS AND TEMPORARY CROSSOVER DETAILS FOR TEMPORARY WIDENING AND TEMPORARY PAVEMENT LAYOUT INFORMATION.

*** SEE TRAFFIC CONTROL - CROSSOVER PLAN SHEETS FOR TEMPORARY USH 53 AND RAMP CROSSOVER PAVEMENT STRUCTURE AND ADDITIONAL INFORMATION.

SEE STAGE OVERVIEW SHEETS FOR ROADWAY AND RAMP CLOSURES. ROADWAYS NOT SHOWN IN TRAFFIC CONTROL TYPICAL SECTIONS ARE ON NORMAL TRAVEL LANES.



STAGE 3 TYPICAL SECTION
USH 53
NORTH PORTION

AFTER STAGE COMPLETION MARK AS FOLLOWS:
DRIVING LANE EDGE LINE - EXISTING TO REMAIN
PASSING LANE EDGE LINE - TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
CENTER LINE / LANE LINE - REMOVE TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW) AND INSTALL TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE 12.5' SKIPS)

MARK IN ULTIMATE LOCATION AS FOLLOWS:
DRIVING LANE EDGE LINE - TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
PASSING LANE EDGE LINE - TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
CENTER LINE / LANE LINE - TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE 12.5' SKIPS)

TEMPORARY MARKING TO BE REMOVED DURING GROOVING OPERATIONS OF PERMANENT MARKING IN FUTURE STAGES.

LEGEND

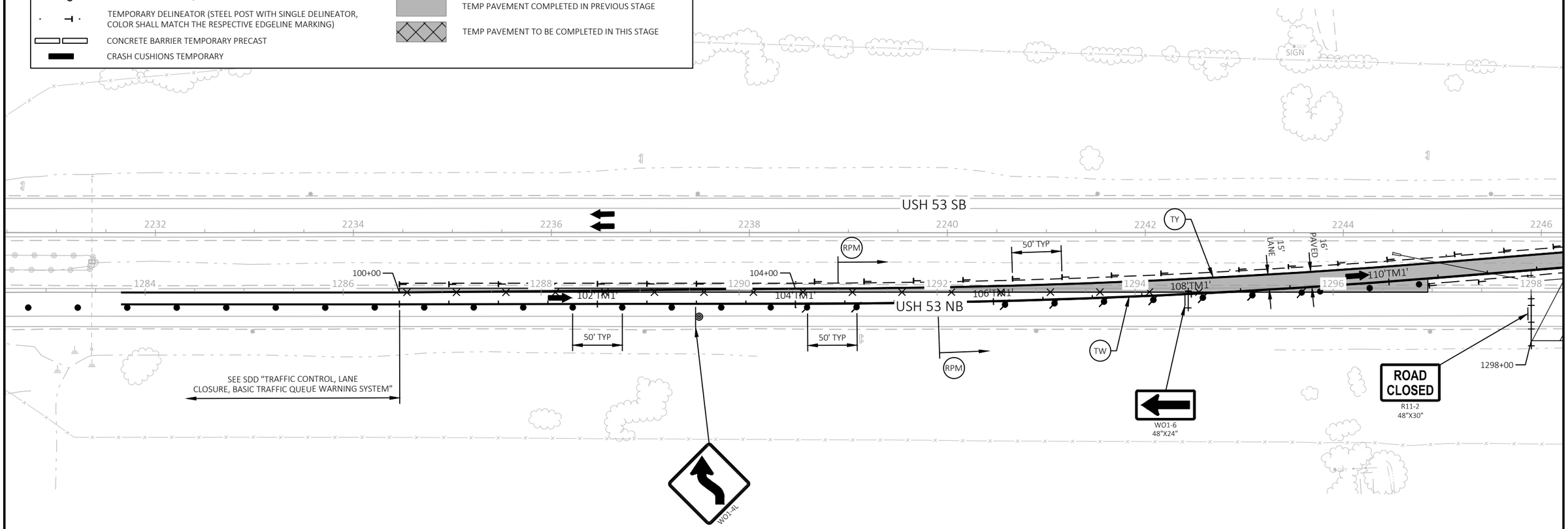
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
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- WORK AREA
- DIRECTION OF TRAFFIC
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- DELINEATOR FLEXIBLE / TUBULAR MARKER
- TEMPORARY DELINEATOR (STEEL POST WITH SINGLE DELINEATOR, COLOR SHALL MATCH THE RESPECTIVE EDGELINE MARKING)
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- MARKING REMOVAL LINE
- TW — TEMPORARY MARKING LINE 6-INCH (WHITE)
- TY — TEMPORARY MARKING LINE 6-INCH (YELLOW)
- TDY — TEMPORARY MARKING LINE 6-INCH (DOUBLE YELLOW)
- T10 — TEMPORARY MARKING LINE 10-INCH (WHITE)
- RPM — TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE 1
- TEMP PAVEMENT COMPLETED IN PREVIOUS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE

NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT", "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION

N



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 3 - DETAIL - TEMP CROSSOVER - MID PROJECT - 1	SHEET 140	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025104-TC.DWG
LAYOUT NAME - 01

PLOT DATE : 6/21/2023 1:31 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

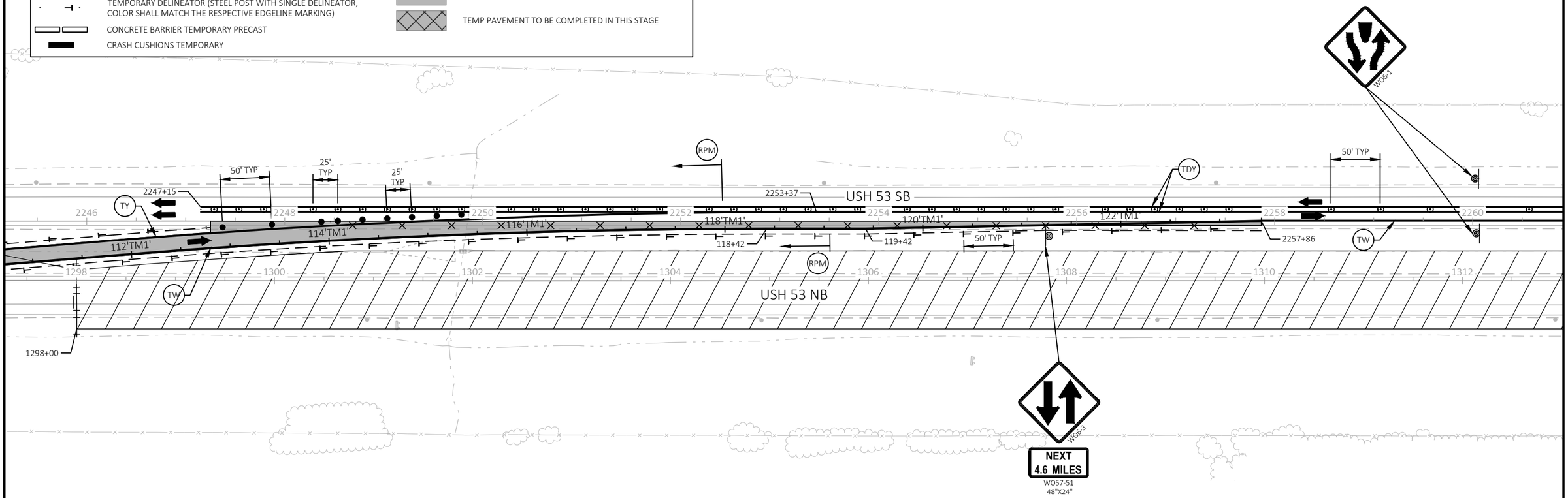
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
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- T10 — TEMPORARY MARKING LINE 10-INCH (WHITE)
- RPM — TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE 1
- TEMP PAVEMENT COMPLETED IN PREVIOUS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE

NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION

N



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 3 - DETAIL - TEMP CROSSOVER - MID PROJECT - 1	SHEET 141	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025104-TC.DWG
LAYOUT NAME - 02

PLOT DATE : 6/21/2023 1:32 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL SIGN
- DELINEATOR FLEXIBLE / TUBULAR MARKER
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- CRASH CUSHIONS TEMPORARY
- MARKING REMOVAL LINE
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- (TDY) TEMPORARY MARKING LINE 6-INCH (DOUBLE YELLOW)
- (T10) TEMPORARY MARKING LINE 10-INCH (WHITE)
- (RPM) TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE 1
- TEMP PAVEMENT COMPLETED IN PREVIOUS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE

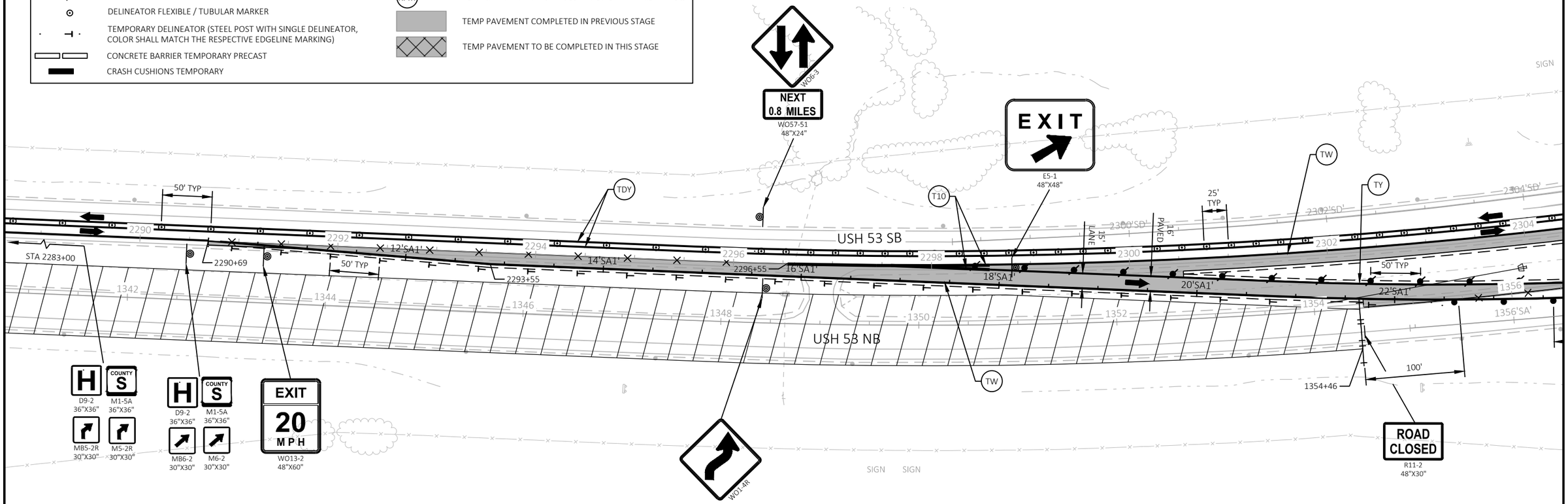
NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION" AND "TRAFFIC CONTROL, TEMPORARY EXIT RAMP CROSSOVER" FOR ADDITIONAL INFORMATION

N

2



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 3A - DETAIL - TEMP EXIT RAMP - CTH S	SHEET 142	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025104-TC.DWG
LAYOUT NAME - 05

PLOT DATE : 6/21/2023 1:32 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

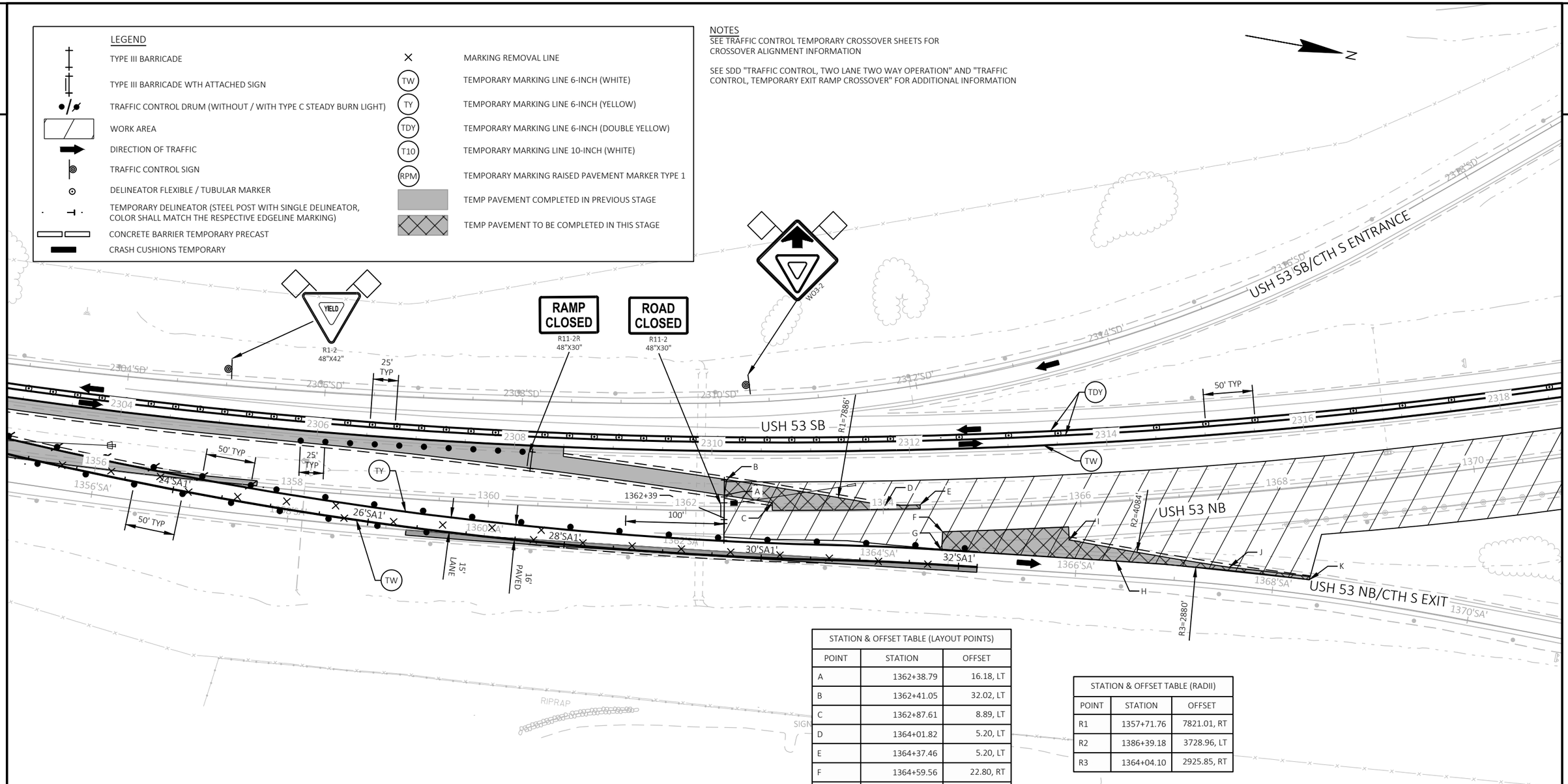
LEGEND

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NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION" AND "TRAFFIC CONTROL, TEMPORARY EXIT RAMP CROSSOVER" FOR ADDITIONAL INFORMATION



STATION & OFFSET TABLE (LAYOUT POINTS)

POINT	STATION	OFFSET
A	1362+38.79	16.18, LT
B	1362+41.05	32.02, LT
C	1362+87.61	8.89, LT
D	1364+01.82	5.20, LT
E	1364+37.46	5.20, LT
F	1364+59.56	22.80, RT
G	1364+57.80	41.40, RT
H	1366+32.28	59.91, RT
I	1365+86.63	35.89, RT
J	1367+44.90	74.09, RT
K	1368+23.67	93.43, RT

STATION & OFFSET TABLE (RADII)

POINT	STATION	OFFSET
R1	1357+71.76	7821.01, RT
R2	1386+39.18	3728.96, LT
R3	1364+04.10	2925.85, RT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 3A - DETAIL - TEMP EXIT RAMP - CTH S	SHEET 143	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025104-TC.DWG
LAYOUT NAME - 06

PLOT DATE : 6/21/2023 1:33 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

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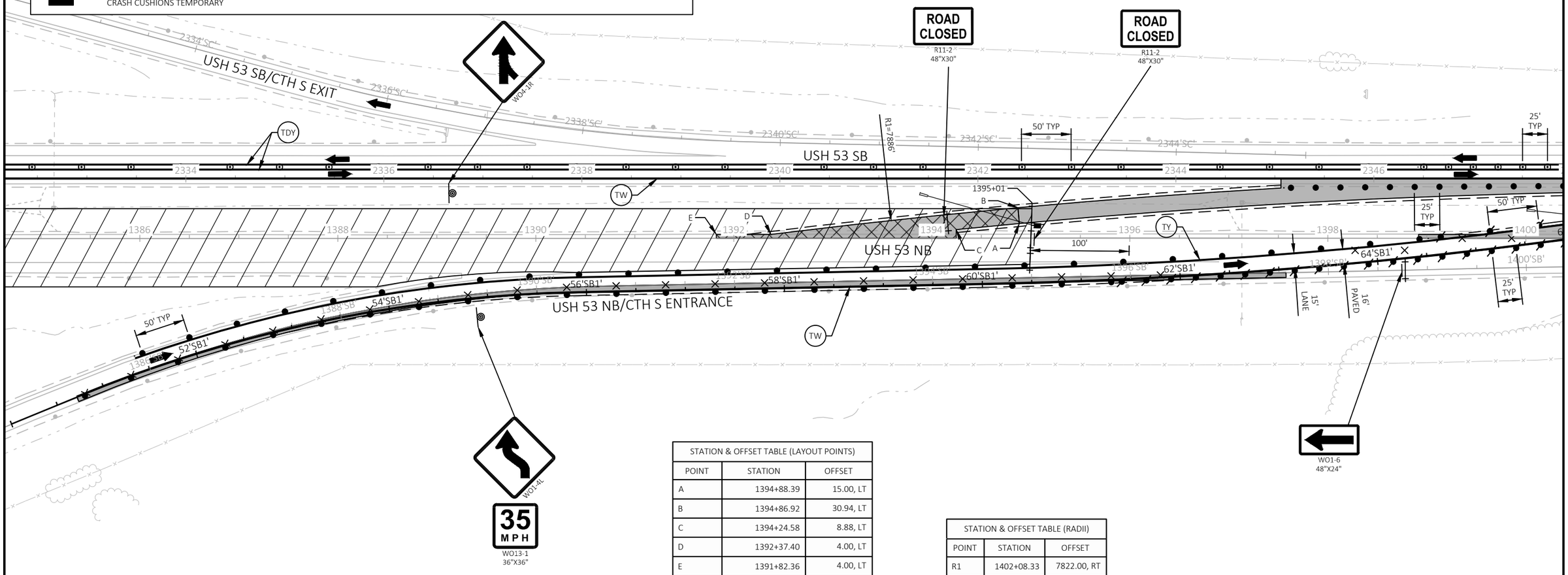
LEGEND

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- TYPE III BARRICADE WTH ATTACHED SIGN
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- RPM — TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE 1
- TEMP PAVEMENT COMPLETED IN PREVIOUS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE

NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION" AND "TRAFFIC CONTROL, TEMPORARY ENTRANCE RAMP CROSSOVER" FOR ADDITIONAL INFORMATION



STATION & OFFSET TABLE (LAYOUT POINTS)		
POINT	STATION	OFFSET
A	1394+88.39	15.00, LT
B	1394+86.92	30.94, LT
C	1394+24.58	8.88, LT
D	1392+37.40	4.00, LT
E	1391+82.36	4.00, LT

STATION & OFFSET TABLE (RADII)		
POINT	STATION	OFFSET
R1	1402+08.33	7822.00, RT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 3A - DETAIL - TEMP ENTRANCE RAMP - CTH S	SHEET 144	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025104-TC.DWG
LAYOUT NAME - 07

PLOT DATE : 6/21/2023 1:33 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

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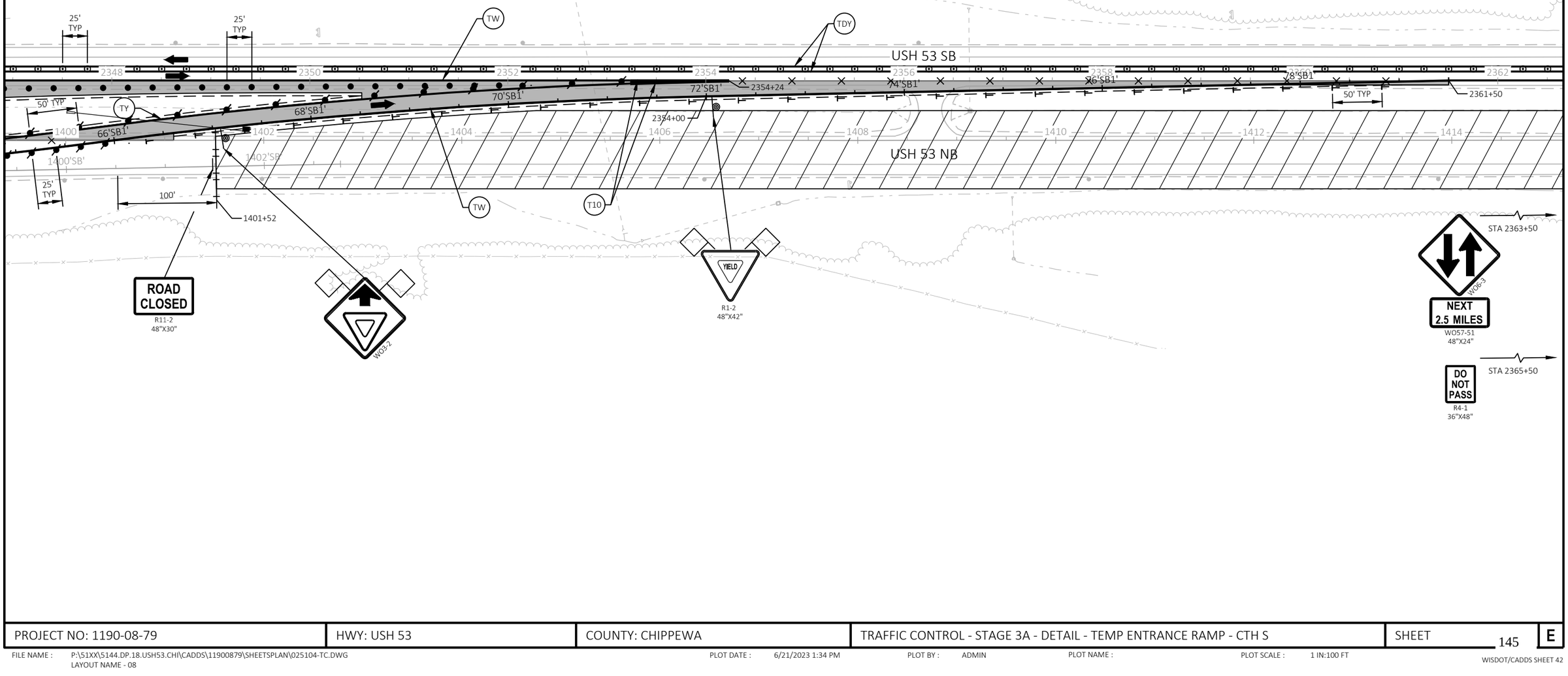
LEGEND

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NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION" AND "TRAFFIC CONTROL, TEMPORARY ENTRANCE RAMP CROSSOVER" FOR ADDITIONAL INFORMATION



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 3A - DETAIL - TEMP ENTRANCE RAMP - CTH S	SHEET 145	E

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL SIGN
- DELINEATOR FLEXIBLE / TUBULAR MARKER
- TEMPORARY DELINEATOR (STEEL POST WITH SINGLE DELINEATOR, COLOR SHALL MATCH THE RESPECTIVE EDGELINE MARKING)
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- MARKING REMOVAL LINE
- TW — TEMPORARY MARKING LINE 6-INCH (WHITE)
- TY — TEMPORARY MARKING LINE 6-INCH (YELLOW)
- TDY — TEMPORARY MARKING LINE 6-INCH (DOUBLE YELLOW)
- T10 — TEMPORARY MARKING LINE 10-INCH (WHITE)
- RPM — TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE 1
- TEMP PAVEMENT COMPLETED IN PREVIOUS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE

NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION" AND "TRAFFIC CONTROL, TEMPORARY EXIT RAMP CROSSOVER" FOR ADDITIONAL INFORMATION

N

WO6-3
NEXT 3.4 MILES
WO57-51 48"X24"

EXIT
E5-1 48"X48"

USH 53 SB

USH 53 NB

50' TYP
2428
2430
2430+10
50' TYP
STA 2422+50
1480
1482
2432
12+00
1484
TDY
12'BA1'
2434
14'BA1'
2435+10
1486
1488
T10
2436
16'BA1'
2438
18'BA1'
1490
1492
TY
TW
2440
20'BA1'
15' LANE
16' PAVED
25' TYP
2442
50' TYP
1494
22'BA1'
50' TYP
100'
1492+59

COUNTY B
M1-5A 36"X36"
M5-2R 30"X30"

EXIT 20 MPH
WO13-2 48"X60"

COUNTY B
M1-5A 36"X36"
M6-2 30"X30"

WO1-4R

ROAD CLOSED
R11-2 48"X30"

SIGN
FOOTBRIDGES

A/C

T

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 3A - DETAIL - TEMP EXIT RAMP - CTH B	SHEET 146	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025104-TC.DWG
LAYOUT NAME - 09

PLOT DATE : 6/21/2023 1:34 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

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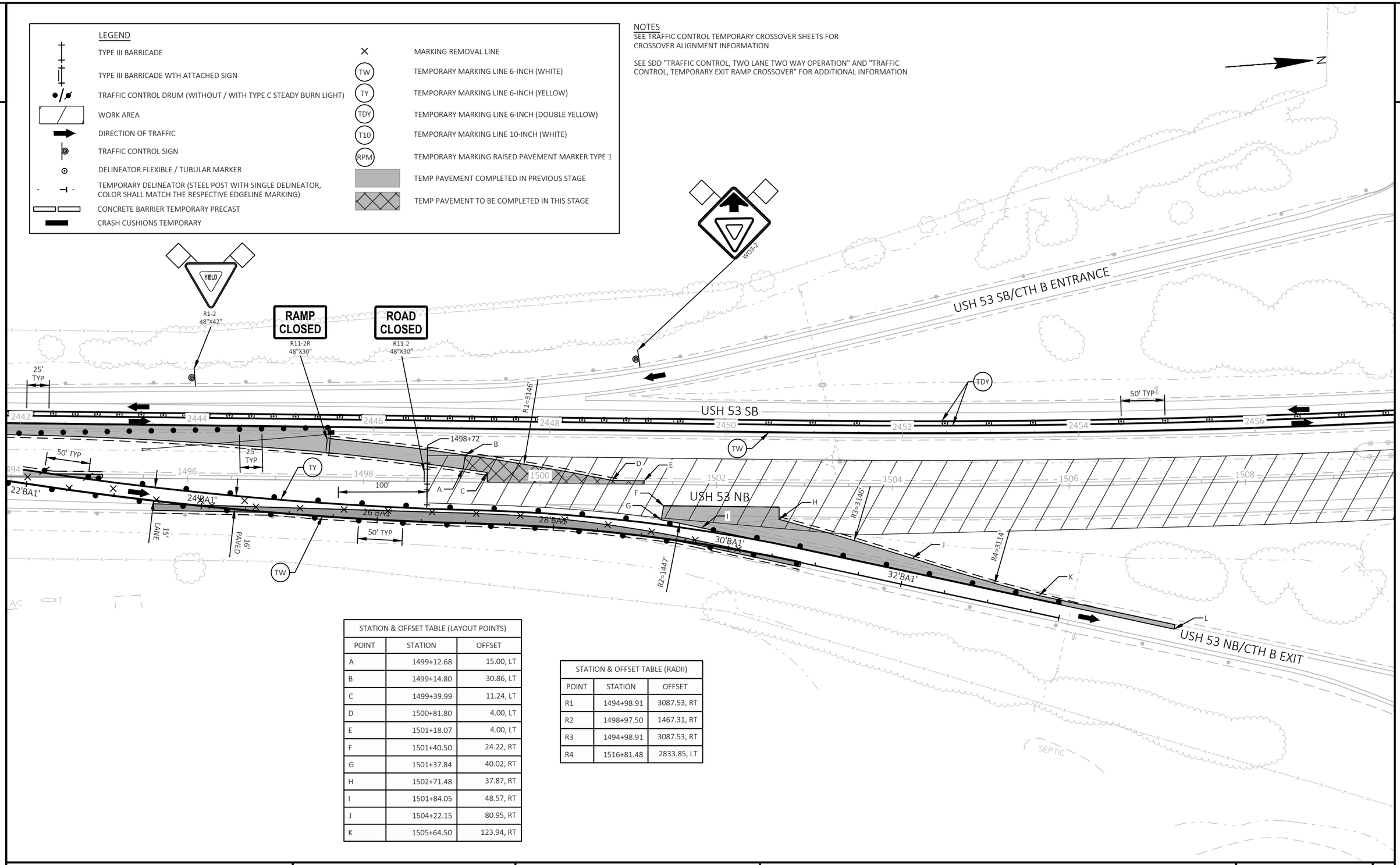
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL SIGN
- DELINEATOR FLEXIBLE / TUBULAR MARKER
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- TDY — TEMPORARY MARKING LINE 6-INCH (DOUBLE YELLOW)
- T10 — TEMPORARY MARKING LINE 10-INCH (WHITE)
- RPM — TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE 1
- TEMP PAVEMENT COMPLETED IN PREVIOUS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE

NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION" AND "TRAFFIC CONTROL, TEMPORARY EXIT RAMP CROSSOVER" FOR ADDITIONAL INFORMATION



STATION & OFFSET TABLE (LAYOUT POINTS)		
POINT	STATION	OFFSET
A	1499+12.68	15.00, LT
B	1499+14.80	30.86, LT
C	1499+39.99	11.24, LT
D	1500+81.80	4.00, LT
E	1501+18.07	4.00, LT
F	1501+40.50	24.22, RT
G	1501+37.84	40.02, RT
H	1502+71.48	37.87, RT
I	1501+84.05	48.57, RT
J	1504+22.15	80.95, RT
K	1505+64.50	123.94, RT

STATION & OFFSET TABLE (RADII)		
POINT	STATION	OFFSET
R1	1494+98.91	3087.53, RT
R2	1498+97.50	1467.31, RT
R3	1494+98.91	3087.53, RT
R4	1516+81.48	2833.85, LT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 3A - DETAIL - TEMP EXIT RAMP - CTH B	SHEET 147	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL SIGN
- DELINEATOR FLEXIBLE / TUBULAR MARKER
- TEMPORARY DELINEATOR (STEEL POST WITH SINGLE DELINEATOR, COLOR SHALL MATCH THE RESPECTIVE EDGELINE MARKING)
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- TEMP PAVEMENT COMPLETED IN PREVIOUS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE

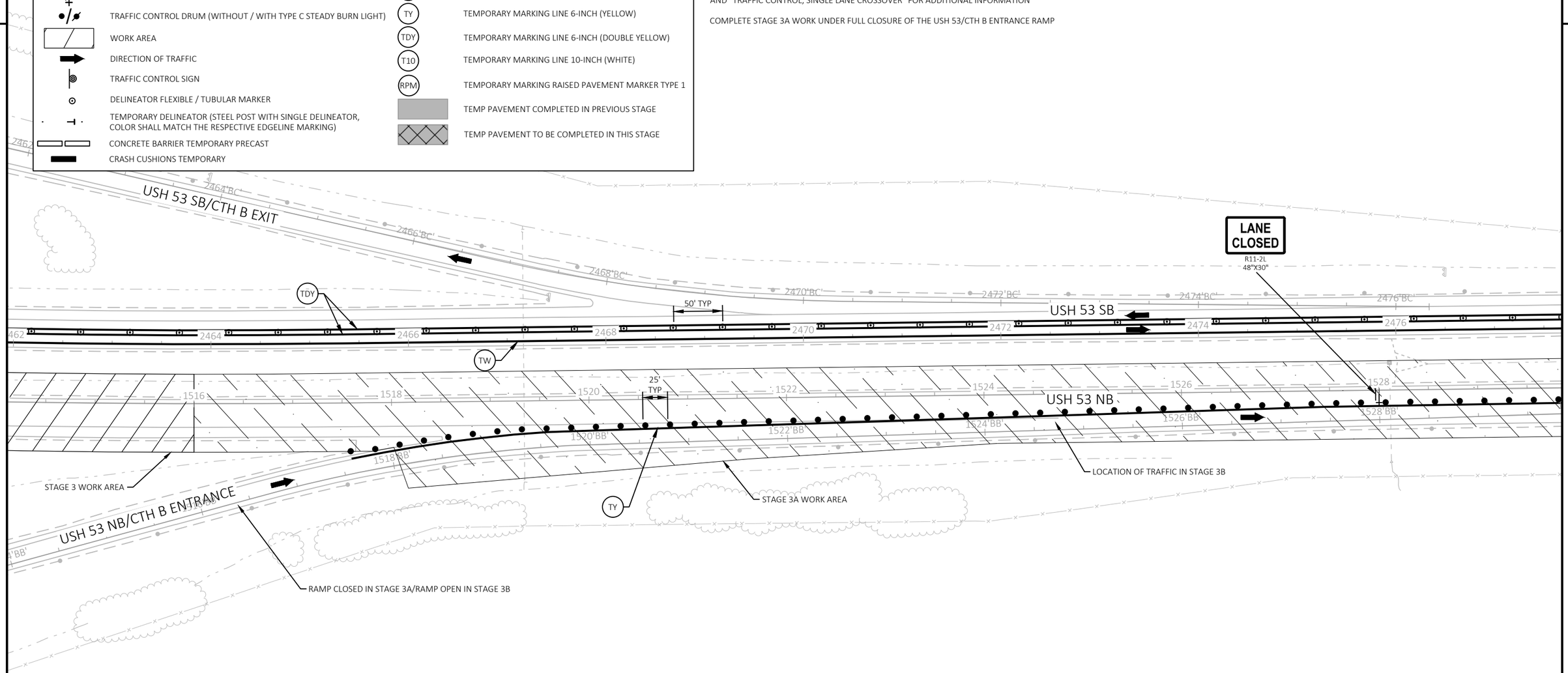
NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION

COMPLETE STAGE 3A WORK UNDER FULL CLOSURE OF THE USH 53/CTH B ENTRANCE RAMP

N



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 3 - DETAIL - TEMP CROSSOVER - CTH B & NORTH PROJECT LIMIT	SHEET 148	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025104-TC.DWG
LAYOUT NAME - 11

PLOT DATE : 6/21/2023 1:36 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL SIGN
- DELINEATOR FLEXIBLE / TUBULAR MARKER
- TEMPORARY DELINEATOR (STEEL POST WITH SINGLE DELINEATOR, COLOR SHALL MATCH THE RESPECTIVE EDGELINE MARKING)
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- CRASH CUSHIONS TEMPORARY
- MARKING REMOVAL LINE
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NOTES

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COMPLETE STAGE 3A WORK UNDER FULL CLOSURE OF THE USH 53/CTH B ENTRANCE RAMP

N

SIGN

SIGN

USH 53 SB

2478 2480 2482 2484 2486 2488 2490 2492

50' TYP

TDY

25' TYP

100' TYP

1530 1532 1534 1536 1538 1540 1542 1544

1530 BR

STA 1538+00
END PVT REPLACEMENT
IN STAGE 3A

TW

USH 53 NB

TY

SIGN

114th AVE

STAGE 3B WORK AREA

STAGE 3A WORK AREA

LANE CLOSED
R11-2L
48"X30"

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 3 - DETAIL - TEMP CROSSOVER - CTH B & NORTH PROJECT LIMIT	SHEET 149	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025104-TC.DWG
LAYOUT NAME - 12

PLOT DATE : 6/21/2023 1:36 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL SIGN
- DELINEATOR FLEXIBLE / TUBULAR MARKER
- TEMPORARY DELINEATOR (STEEL POST WITH SINGLE DELINEATOR, COLOR SHALL MATCH THE RESPECTIVE EDGELINE MARKING)
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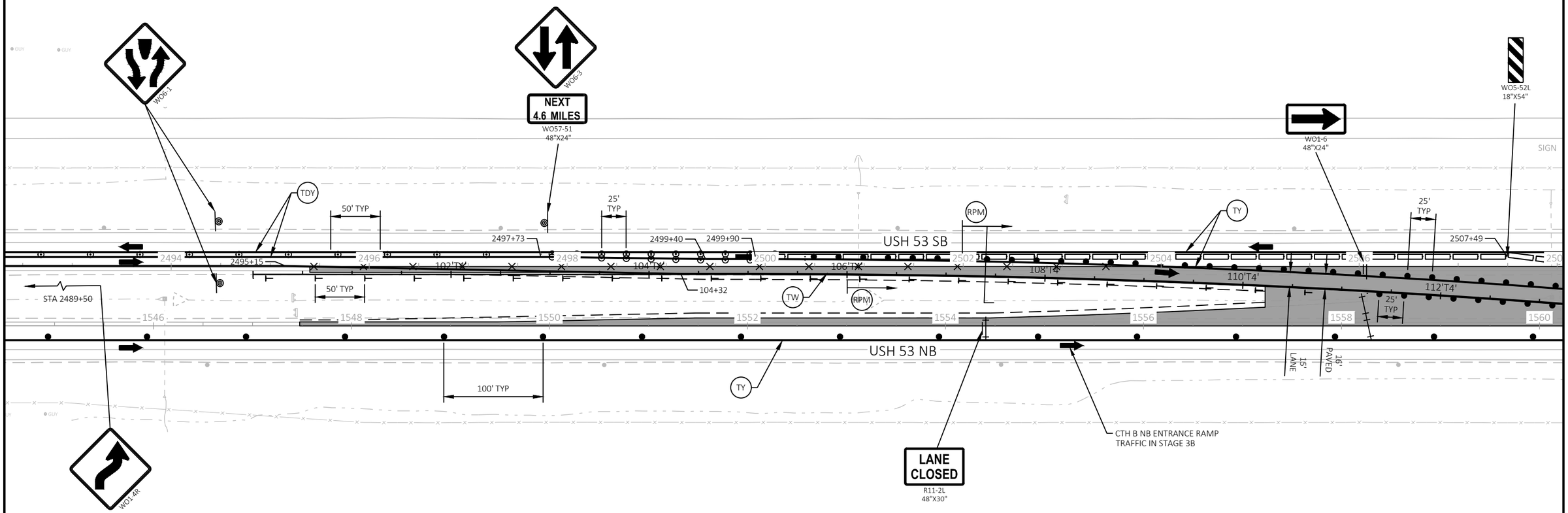
NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION

COMPLETE STAGE 3A WORK UNDER FULL CLOSURE OF THE USH 53/CTH B ENTRANCE RAMP

N



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 3 - DETAIL - TEMP CROSSOVER - CTH B & NORTH PROJECT LIMIT	SHEET 150	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025104-TC.DWG
LAYOUT NAME - 13

PLOT DATE : 6/21/2023 1:37 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL SIGN
- DELINEATOR FLEXIBLE / TUBULAR MARKER
- TEMPORARY DELINEATOR (STEEL POST WITH SINGLE DELINEATOR, COLOR SHALL MATCH THE RESPECTIVE EDGELINE MARKING)
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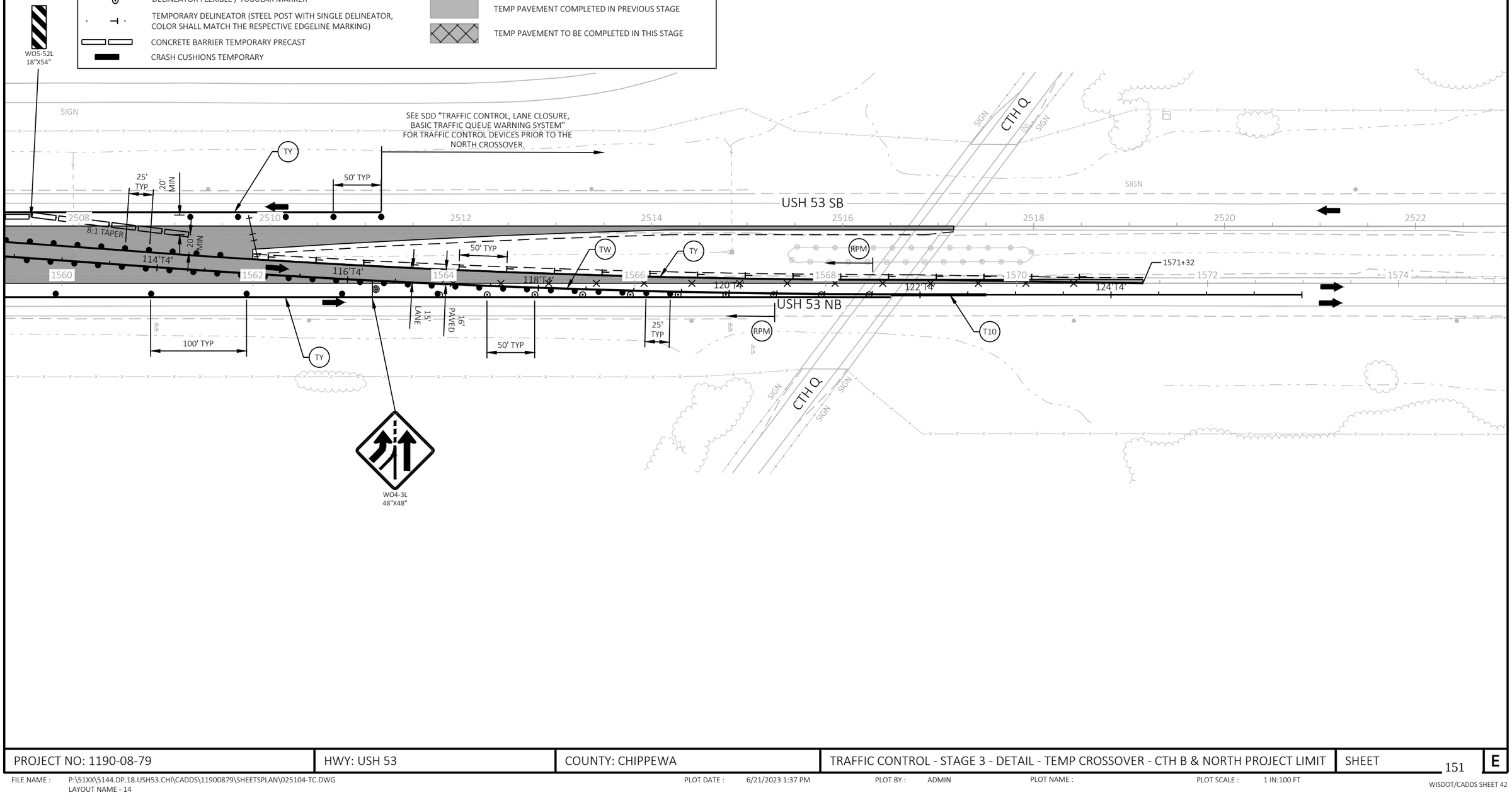
NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION

COMPLETE STAGE 3A WORK UNDER FULL CLOSURE OF THE USH 53/CTH B ENTRANCE RAMP

N



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 3 - DETAIL - TEMP CROSSOVER - CTH B & NORTH PROJECT LIMIT	SHEET 151	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025104-TC.DWG
LAYOUT NAME - 14
PLOT DATE : 6/21/2023 1:37 PM
PLOT BY : ADMIN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

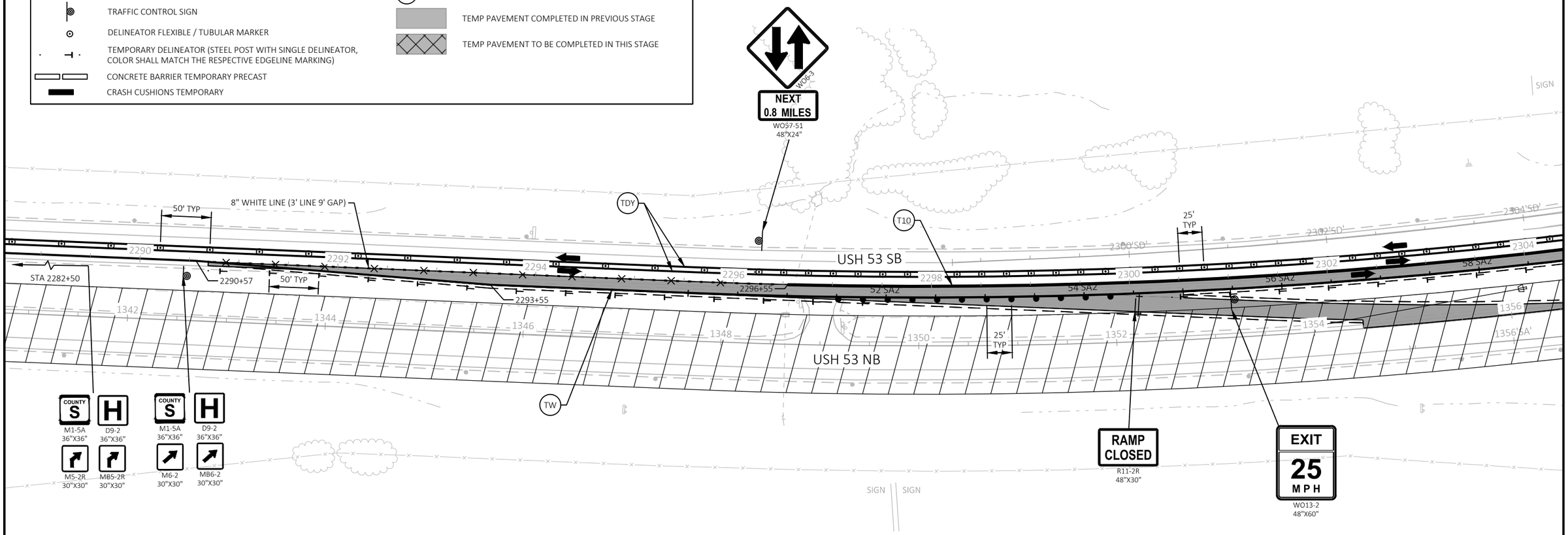
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
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- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE

NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT", "TRAFFIC CONTROL, TEMPORARY EXIT RAMP CROSSOVER" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION

N



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 3B - DETAIL - TEMP EXIT RAMP - CTH S	SHEET 152	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025105-TC.DWG
LAYOUT NAME - 05

PLOT DATE : 6/21/2023 1:39 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

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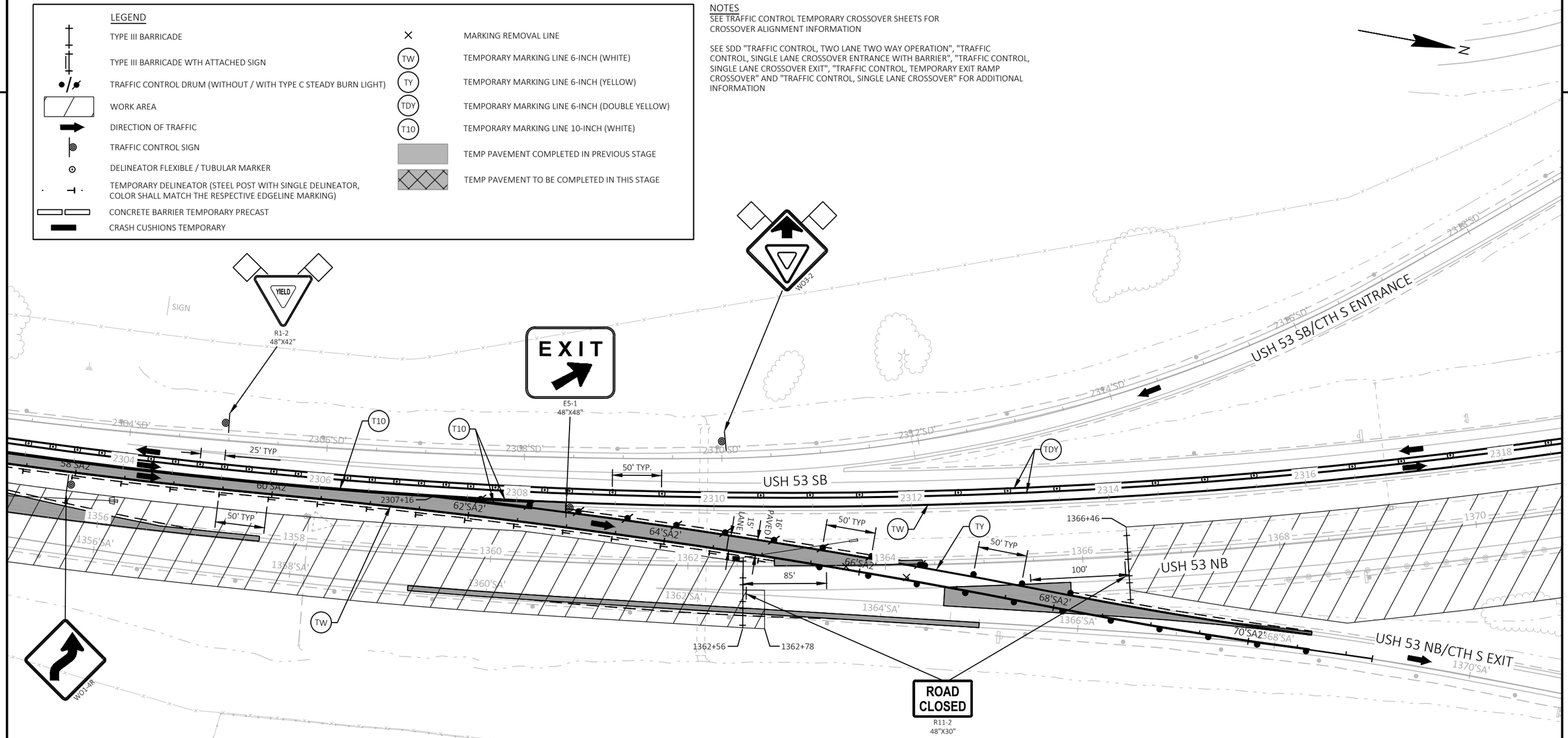
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
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NOTES

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SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT", "TRAFFIC CONTROL, TEMPORARY EXIT RAMP CROSSOVER" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 3B - DETAIL - TEMP EXIT RAMP - CTH S	SHEET 153	E

2

2

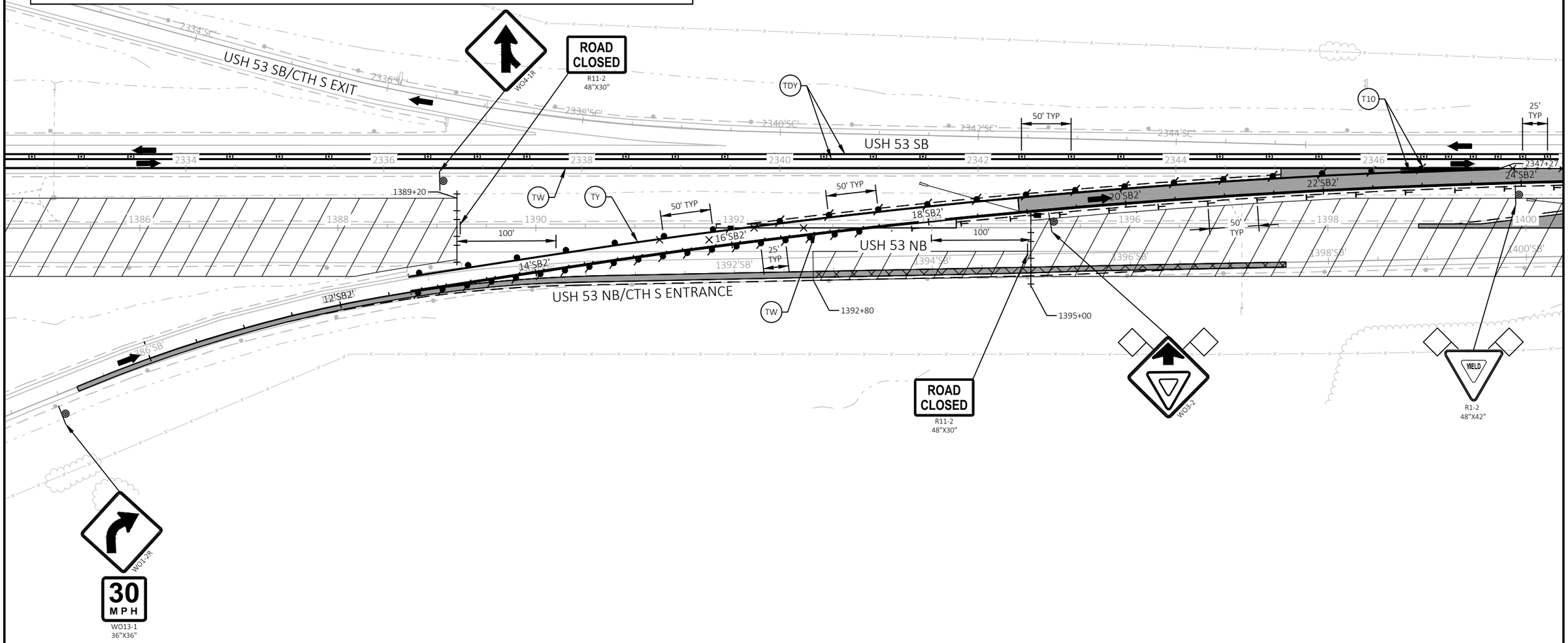
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NOTES

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SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT", "TRAFFIC CONTROL, TEMPORARY EXIT RAMP CROSSOVER" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 3B - DETAIL - TEMP ENTRANCE RAMP - CTH S	SHEET 154	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025105-TC.DWG
LAYOUT NAME - 07

PLOT DATE : 6/21/2023 1:40 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

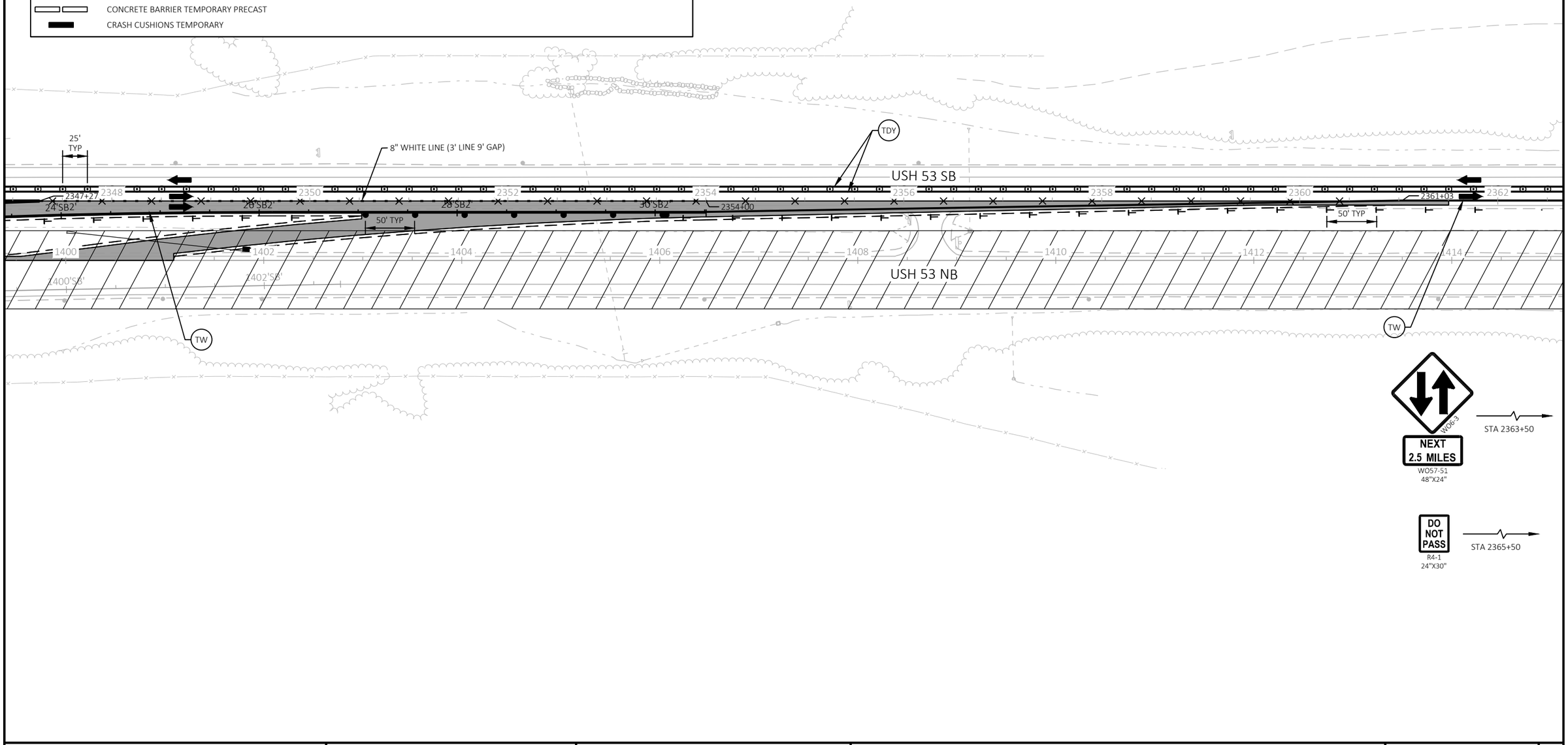
LEGEND

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NOTES

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SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT", "TRAFFIC CONTROL, TEMPORARY EXIT RAMP CROSSOVER" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 3B - DETAIL - TEMP ENTRANCE RAMP - CTH S	SHEET 155	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
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- DELINEATOR FLEXIBLE / TUBULAR MARKER
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N

WO6-3

NEXT 3.5 MILES

WO57-51 48"X24"

8" WHITE LINE (3' LINE 9' GAP)

TDY

25' TYP

T10

USH 53 SB

2428 2430 2432 2434 2435+10 2436 2438 2440 2441+45 2442

52 SB2 54 SB2 56 SB2 58 SB2

STA 2422+50

2430+10

50' TYP

2432+10

1480 1482 1484 1486 1488 1490 1492 1494

USH 53 NB

COUNTY B

M1-5A 36"X36"

M5-2R 30"X30"

COUNTY B

M1-5A 36"X36"

M6-2 30"X30"

TW

EXIT 25 MPH

WO13-2 48"X60"

WO1-4R

SIGN

FOOTBRIDGE

A/C

T

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 3B - DETAIL - TEMP EXIT RAMP - CTH B	SHEET 156	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025105-TC.DWG
LAYOUT NAME - 09

PLOT DATE : 6/21/2023 1:41 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL SIGN
- DELINEATOR FLEXIBLE / TUBULAR MARKER
- TEMPORARY DELINEATOR (STEEL POST WITH SINGLE DELINEATOR, COLOR SHALL MATCH THE RESPECTIVE EDGELINE MARKING)
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- MARKING REMOVAL LINE
- TW — TEMPORARY MARKING LINE 6-INCH (WHITE)
- TY — TEMPORARY MARKING LINE 6-INCH (YELLOW)
- TDY — TEMPORARY MARKING LINE 6-INCH (DOUBLE YELLOW)
- T10 — TEMPORARY MARKING LINE 10-INCH (WHITE)
- TEMP PAVEMENT COMPLETED IN PREVIOUS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE

NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT", "TRAFFIC CONTROL, TEMPORARY EXIT RAMP CROSSOVER" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION

N

YIELD
R1-2
48"X42"

EXIT
E5-1
48"X48"

W03-2

USH 53 SB/CTH B ENTRANCE

USH 53 SB

USH 53 NB

USH 53 NB/CTH B EXIT

T10 T10 TW TW TY TDY

25' TYP
50' TYP
50' TYP
50' TYP
50' TYP
100'
100'

58'SB2'
60'SB2'
62'SB2'
64'SB2'
66'SB2'
68'SB2'
70'SB2'

2443+32
1499+13
1500+50
1503+23

15' LANE
16' PAVED

ROAD CLOSED
R11-2
48"X30"

SEPTIC
A/C

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 3B - DETAIL - TEMP EXIT RAMP - CTH B	SHEET 157	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025105-TC.DWG
LAYOUT NAME - 10

PLOT DATE : 6/21/2023 1:42 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

PROPOSED CONSTRUCTION

REMOVAL OF TEMPORARY CROSSOVER OR TEMPORARY WIDENING

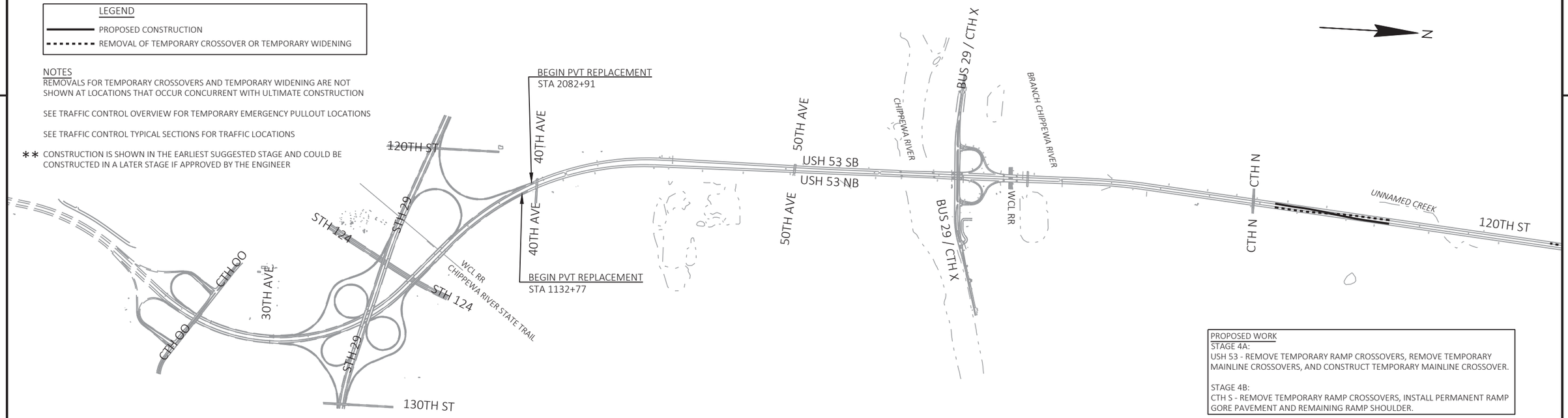
NOTES

REMOVALS FOR TEMPORARY CROSSOVERS AND TEMPORARY WIDENING ARE NOT SHOWN AT LOCATIONS THAT OCCUR CONCURRENT WITH ULTIMATE CONSTRUCTION

SEE TRAFFIC CONTROL OVERVIEW FOR TEMPORARY EMERGENCY PULLOUT LOCATIONS

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC LOCATIONS

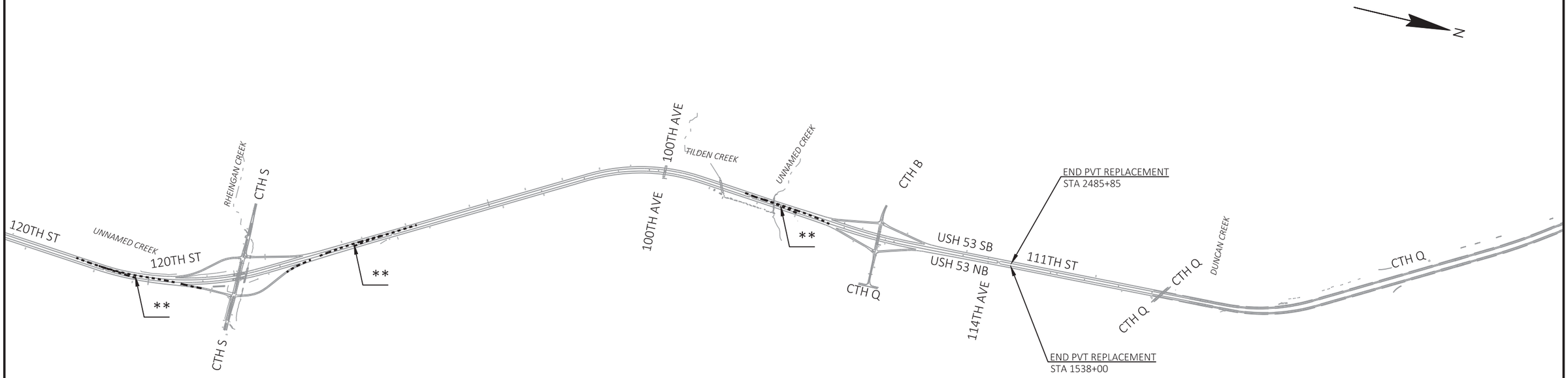
** CONSTRUCTION IS SHOWN IN THE EARLIEST SUGGESTED STAGE AND COULD BE CONSTRUCTED IN A LATER STAGE IF APPROVED BY THE ENGINEER



PROPOSED WORK

STAGE 4A:
USH 53 - REMOVE TEMPORARY RAMP CROSSOVERS, REMOVE TEMPORARY MAINLINE CROSSOVERS, AND CONSTRUCT TEMPORARY MAINLINE CROSSOVER.

STAGE 4B:
CTH S - REMOVE TEMPORARY RAMP CROSSOVERS, INSTALL PERMANENT RAMP GORE PAVEMENT AND REMAINING RAMP SHOULDER.



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 4 OVERVIEW	SHEET 158	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025001-TC.DWG
LAYOUT NAME - 04-1

PLOT DATE : 7/14/2021 12:07 PM PLOT BY : ERIK OLESON PLOT NAME : PLOT SCALE : 1 IN:2000 FT

LEGEND

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER

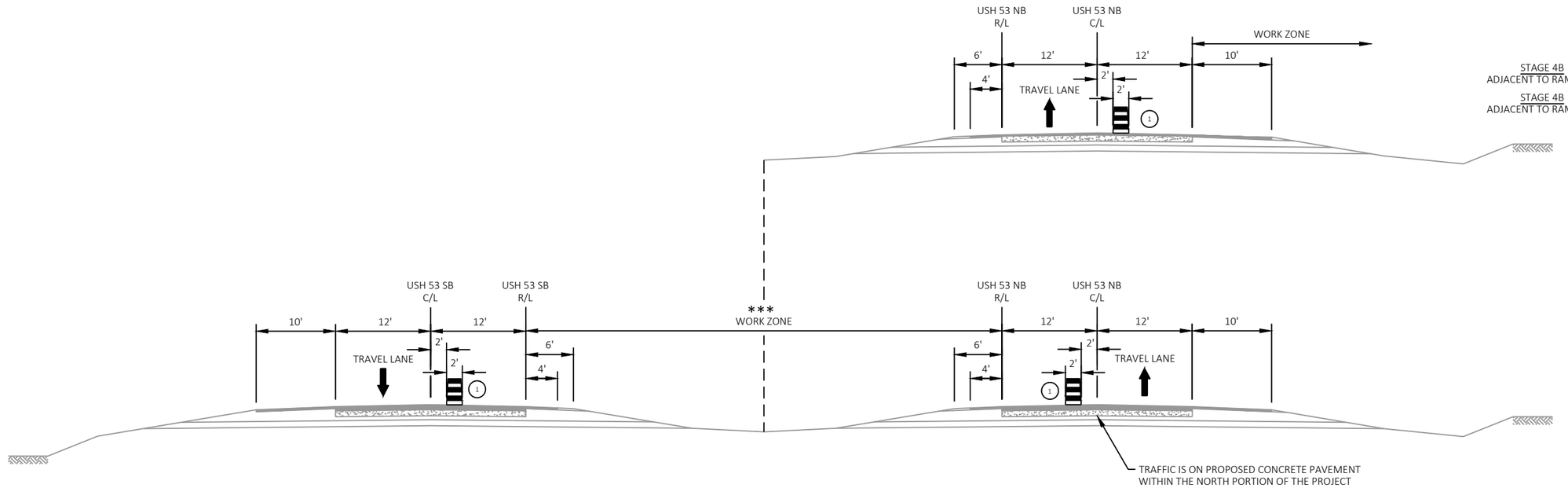
① DRUM LOCATION SHOWN FOR AREAS NOT IMMEDIATELY ADJACENT TO CONSTRUCTION ACTIVITIES, DRUMS MAY BE SHIFTED TO LANE LINE ONLY IN AREAS WITH CONSTRUCTION ACTIVITIES AS APPROVED BY THE ENGINEER DURING ALLOWABLE HOURS

TRAFFIC CONTROL FLOW ARROW

NOTES

*** SEE TRAFFIC CONTROL - CROSSOVER PLAN SHEETS FOR TEMPORARY USH 53 AND RAMP CROSSOVER PAVEMENT STRUCTURE AND ADDITIONAL INFORMATION.

ROADWAYS NOT SHOWN IN TRAFFIC CONTROL TYPICAL SECTIONS ARE ON NORMAL TRAVEL LANES.



STAGE 4 TYPICAL SECTION
USH 53

2

2

LEGEND

TYPE III BARRICADE

TYPE III BARRICADE WTH ATTACHED SIGN

TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)

TRAFFIC CONTROL SIGN

WORK AREA

DIRECTION OF TRAFFIC

TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE

TEMP PAVEMENT TO BE COMPLETED IN FUTURE STAGES

SURFACE WATER FLOW DIRECTION

NOTES

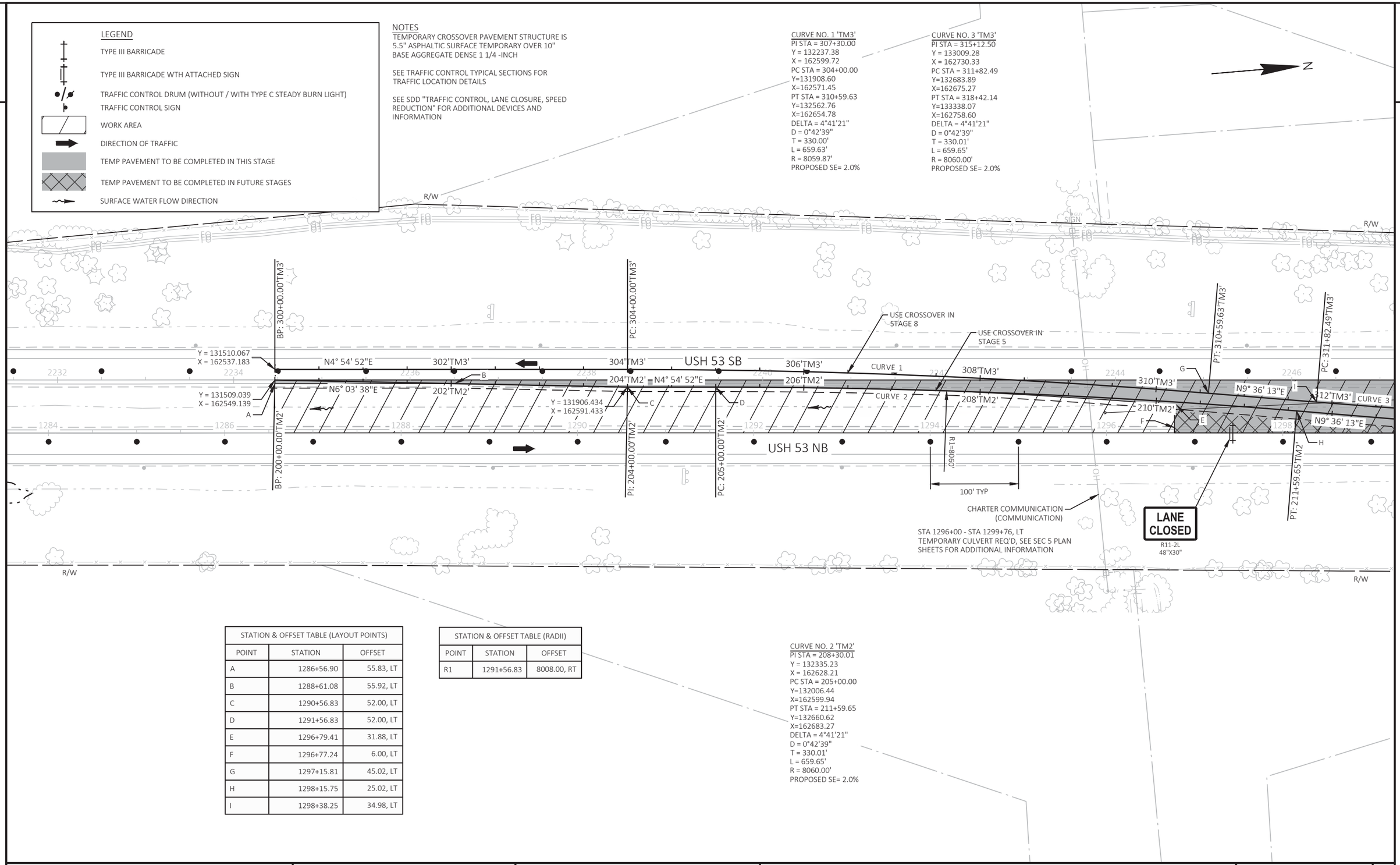
TEMPORARY CROSSOVER PAVEMENT STRUCTURE IS 5.5" ASPHALTIC SURFACE TEMPORARY OVER 10" BASE AGGREGATE DENSE 1 1/4 -INCH

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC LOCATION DETAILS

SEE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" FOR ADDITIONAL DEVICES AND INFORMATION

CURVE NO. 1 'TM3'
PI STA = 307+30.00
Y = 132237.38
X = 162599.72
PC STA = 304+00.00
Y=131908.60
X=162571.45
PT STA = 310+59.63
Y=132562.76
X=162654.78
DELTA = 4°41'21"
D = 0°42'39"
T = 330.00'
L = 659.63'
R = 8059.87'
PROPOSED SE= 2.0%

CURVE NO. 3 'TM3'
PI STA = 315+12.50
Y = 133009.28
X = 162730.33
PC STA = 311+82.49
Y=132683.89
X=162675.27
PT STA = 318+42.14
Y=133338.07
X=162758.60
DELTA = 4°41'21"
D = 0°42'39"
T = 330.01'
L = 659.65'
R = 8060.00'
PROPOSED SE= 2.0%



STATION & OFFSET TABLE (LAYOUT POINTS)		
POINT	STATION	OFFSET
A	1286+56.90	55.83, LT
B	1288+61.08	55.92, LT
C	1290+56.83	52.00, LT
D	1291+56.83	52.00, LT
E	1296+79.41	31.88, LT
F	1296+77.24	6.00, LT
G	1297+15.81	45.02, LT
H	1298+15.75	25.02, LT
I	1298+38.25	34.98, LT

STATION & OFFSET TABLE (RADII)		
POINT	STATION	OFFSET
R1	1291+56.83	8008.00, RT

CURVE NO. 2 'TM2'
PI STA = 208+30.01
Y = 132335.23
X = 162628.21
PC STA = 205+00.00
Y=132006.44
X=162599.94
PT STA = 211+59.65
Y=132660.62
X=162683.27
DELTA = 4°41'21"
D = 0°42'39"
T = 330.01'
L = 659.65'
R = 8060.00'
PROPOSED SE= 2.0%

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 4A - TEMP CROSSOVER - MID PROJECT - 2/3	SHEET 160	E

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- TRAFFIC CONTROL SIGN
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN FUTURE STAGES
- SURFACE WATER FLOW DIRECTION

NOTES

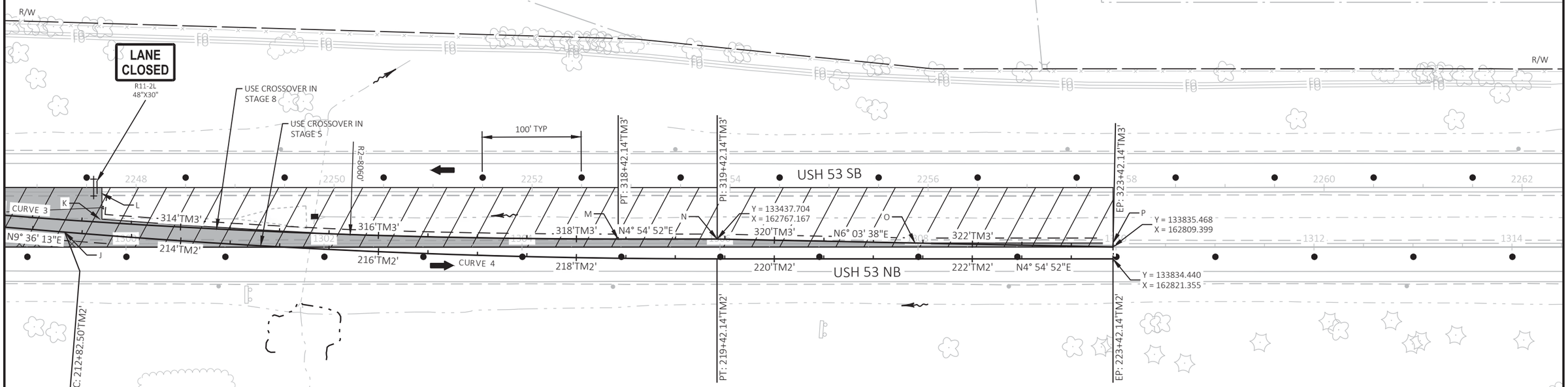
TEMPORARY CROSSOVER PAVEMENT STRUCTURE IS 5.5" ASPHALTIC SURFACE TEMPORARY OVER 10" BASE AGGREGATE DENSE 1 1/4 -INCH

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC LOCATION DETAILS

SEE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" FOR ADDITIONAL DEVICES AND INFORMATION

CURVE NO. 3 'TM3'
PI STA = 315+12.50
Y = 133009.28
X = 162730.33
PC STA = 311+82.49
Y=132683.89
X=162675.27
PT STA = 318+42.14
Y=133338.07
X=162758.60
DELTA = 4°41'21"
D = 0°42'39"
T = 330.01'
L = 659.65'
R = 8060.00'
PROPOSED SE= 2.0%

N



CURVE NO. 4 'TM2'
PI STA = 216+12.50
Y = 133107.12
X = 162758.82
PC STA = 212+82.50
Y=132781.75
X=162703.76
PT STA = 219+42.14
Y=133435.91
X=162787.09
DELTA = 4°41'21"
D = 0°42'39"
T = 330.00'
L = 659.63'
R = 8059.87'
PROPOSED SE= 2.0%

STATION & OFFSET TABLE (LAYOUT POINTS)		
POINT	STATION	OFFSET
J	1299+38.19	14.98, LT
K	1299+73.56	28.20, LT
L	1299+75.69	54.00, LT
M	1304+97.17	8.00, LT
N	1305+97.17	8.00, LT
O	1307+97.13	4.00, LT
P	1309+97.09	4.00, LT

STATION & OFFSET TABLE (RADII)		
POINT	STATION	OFFSET
R2	1304+97.17	8068.00, LT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 4A - TEMP CROSSOVER - MID PROJECT - 2/3	SHEET 161	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025007-TC.DWG
LAYOUT NAME - 02
PLOT DATE : 7/13/2021 12:58 PM
PLOT BY : ADMIN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

LEGEND

PROPOSED CONSTRUCTION

REMOVAL OF TEMPORARY CROSSOVER OR TEMPORARY WIDENING

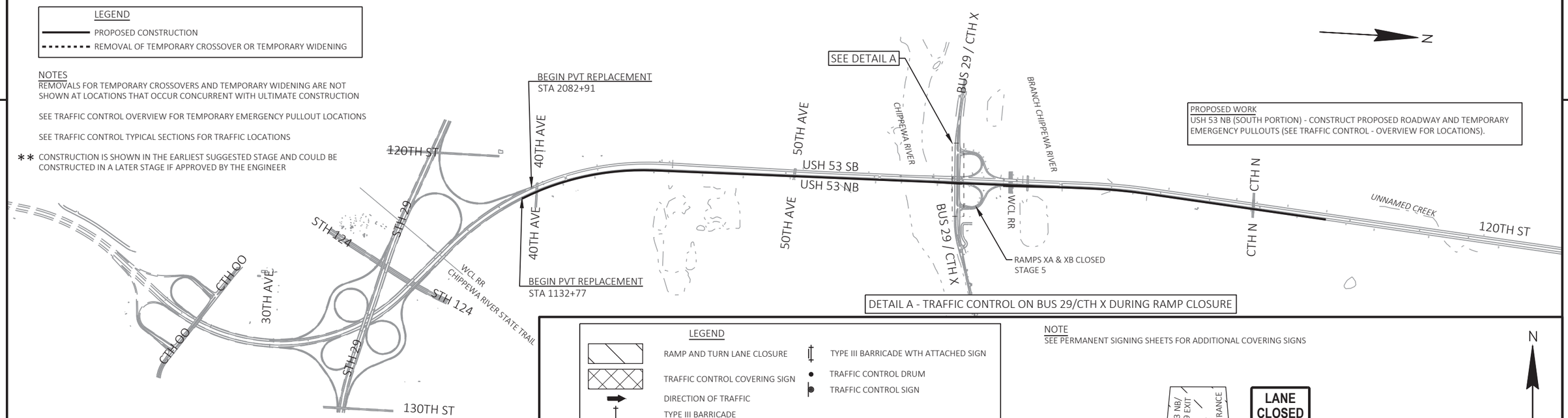
NOTES

REMOVALS FOR TEMPORARY CROSSOVERS AND TEMPORARY WIDENING ARE NOT SHOWN AT LOCATIONS THAT OCCUR CONCURRENT WITH ULTIMATE CONSTRUCTION

SEE TRAFFIC CONTROL OVERVIEW FOR TEMPORARY EMERGENCY PULLOUT LOCATIONS

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC LOCATIONS

** CONSTRUCTION IS SHOWN IN THE EARLIEST SUGGESTED STAGE AND COULD BE CONSTRUCTED IN A LATER STAGE IF APPROVED BY THE ENGINEER



PROPOSED WORK
USH 53 NB (SOUTH PORTION) - CONSTRUCT PROPOSED ROADWAY AND TEMPORARY EMERGENCY PULLOUTS (SEE TRAFFIC CONTROL - OVERVIEW FOR LOCATIONS).

DETAIL A - TRAFFIC CONTROL ON BUS 29/CTH X DURING RAMP CLOSURE

LEGEND

RAMP AND TURN LANE CLOSURE

TRAFFIC CONTROL COVERING SIGN

DIRECTION OF TRAFFIC

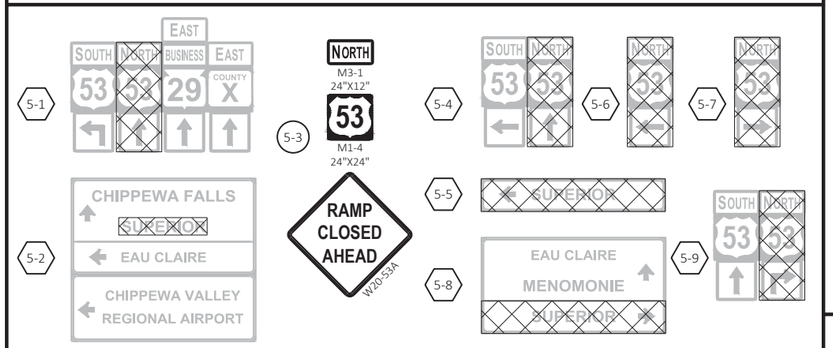
TYPE III BARRICADE

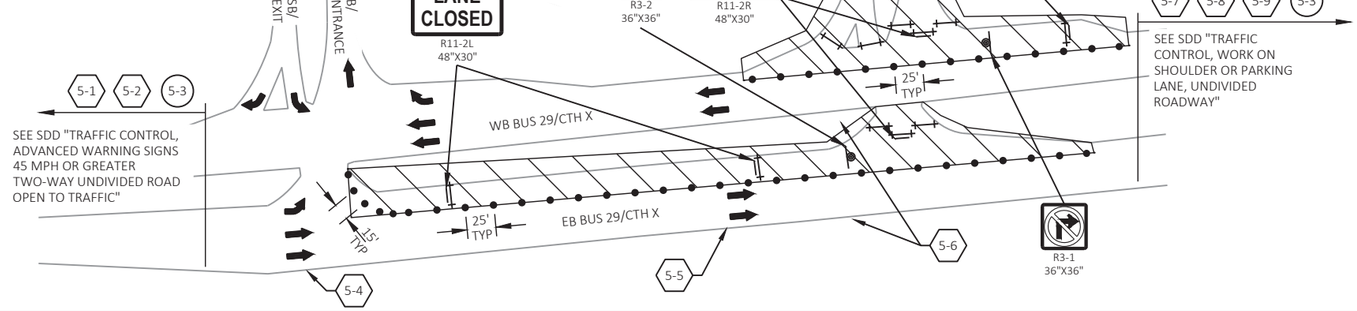
TYPE III BARRICADE WTH ATTACHED SIGN

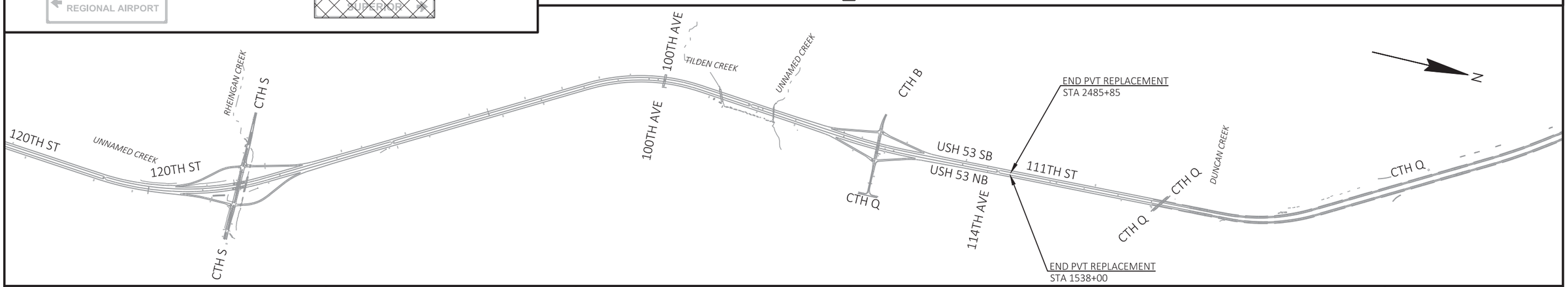
TRAFFIC CONTROL DRUM

TRAFFIC CONTROL SIGN

NOTE
SEE PERMANENT SIGNING SHEETS FOR ADDITIONAL COVERING SIGNS







PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 5 OVERVIEW	SHEET 162	E

2

LEGEND

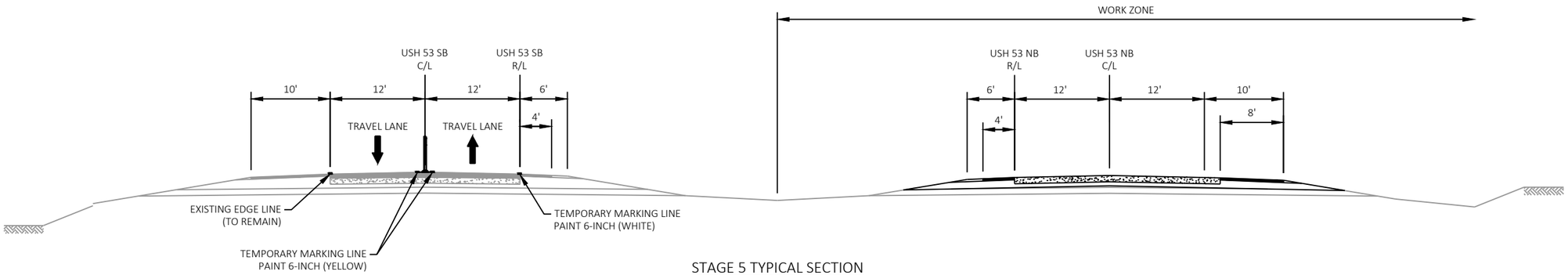
TRAFFIC CONTROL DRUM

TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER

TRAFFIC CONTROL FLOW ARROW

NOTE

SEE STAGE OVERVIEW SHEETS FOR ROADWAY AND RAMP CLOSURES. ROADWAYS NOT SHOWN IN TRAFFIC CONTROL TYPICAL SECTIONS ARE ON NORMAL TRAVEL LANES.



STAGE 5 TYPICAL SECTION
USH 53
SOUTH PORTION

AFTER STAGE COMPLETION MARK AS FOLLOWS:
DRIVING LANE EDGE LINE - EXISTING TO REMAIN
PASSING LANE EDGE LINE - TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
CENTER LINE / LANE LINE - REMOVE TEMPORARY MARKING LINE PAINT 6-INCH (YELLOW) AND INSTALL TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE 12.5' SKIPS)

MARK IN ULTIMATE LOCATION AS FOLLOWS:
DRIVING LANE EDGE LINE - TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
PASSING LANE EDGE LINE - TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
CENTER LINE / LANE LINE - TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE 12.5' SKIPS)

TEMPORARY MARKING TO BE REMOVED DURING GROOVING OPERATIONS OF PERMANENT MARKING IN FUTURE STAGES.

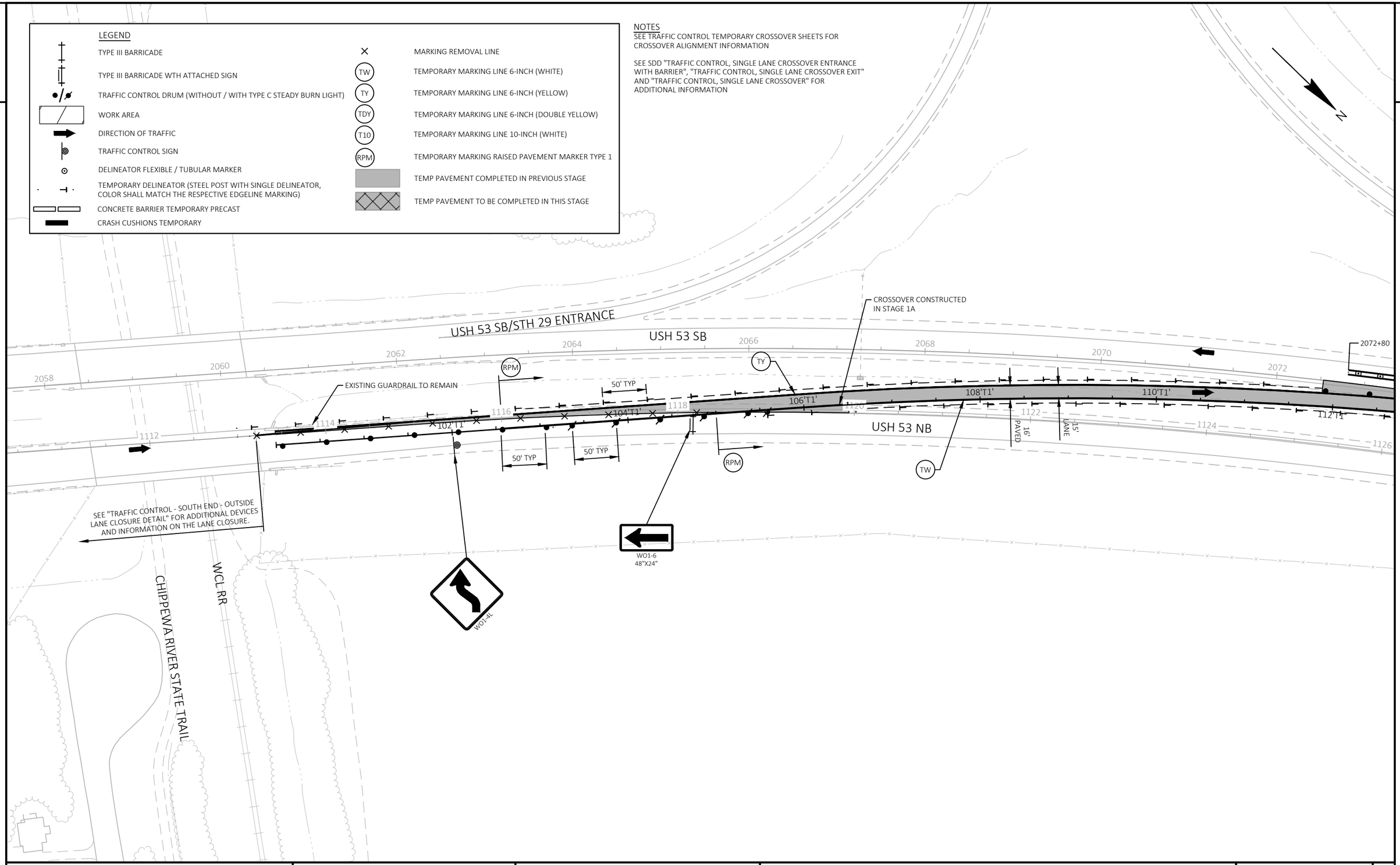
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL SIGN
- DELINEATOR FLEXIBLE / TUBULAR MARKER
- TEMPORARY DELINEATOR (STEEL POST WITH SINGLE DELINEATOR, COLOR SHALL MATCH THE RESPECTIVE EDGELINE MARKING)
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- MARKING REMOVAL LINE
- (TW) TEMPORARY MARKING LINE 6-INCH (WHITE)
- (TY) TEMPORARY MARKING LINE 6-INCH (YELLOW)
- (TDY) TEMPORARY MARKING LINE 6-INCH (DOUBLE YELLOW)
- (T10) TEMPORARY MARKING LINE 10-INCH (WHITE)
- (RPM) TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE 1
- TEMP PAVEMENT COMPLETED IN PREVIOUS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE

NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 5 - DETAIL - TEMP CROSSOVER - SOUTH PROJECT LIMIT	SHEET 164	E

2

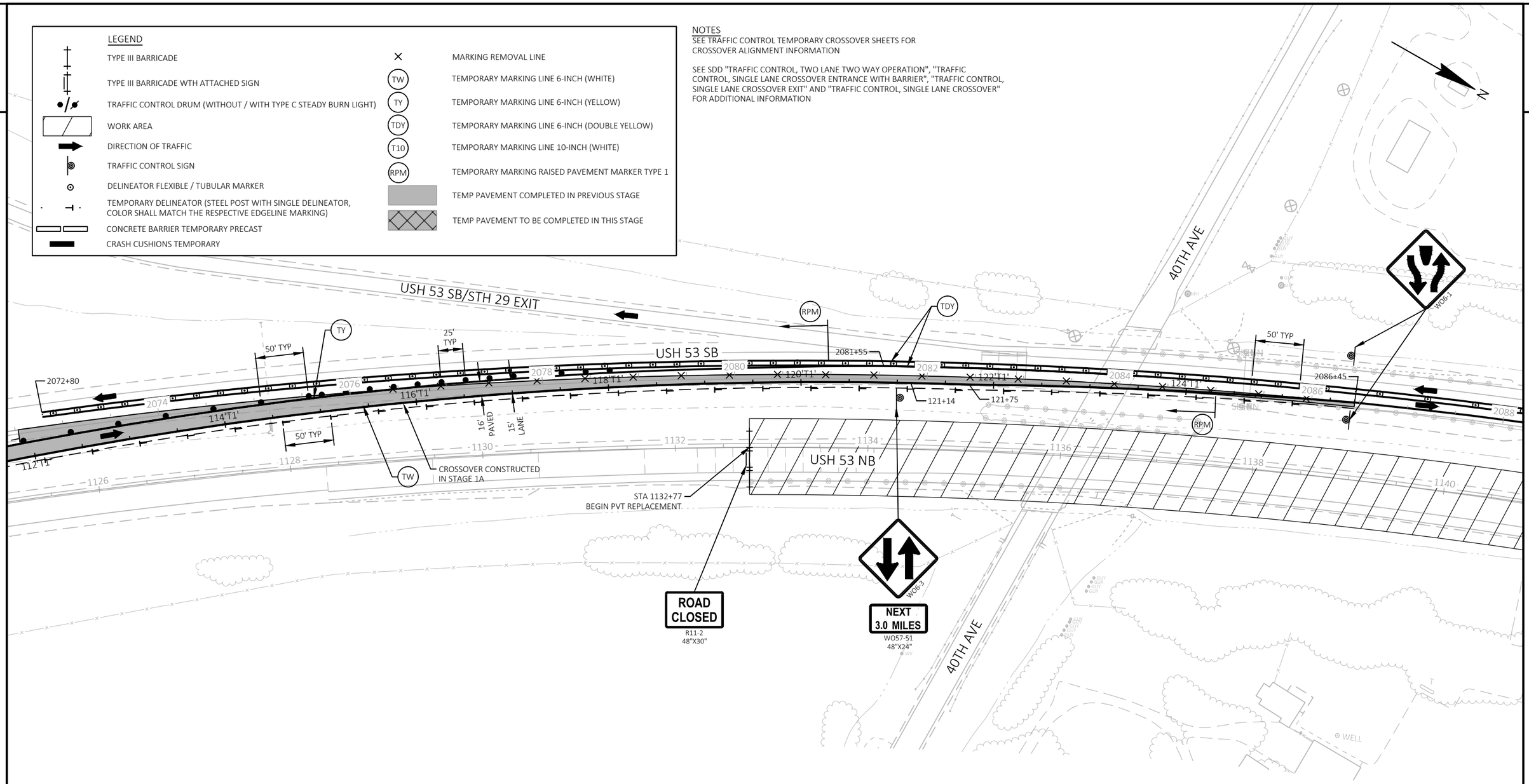
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
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- TEMPORARY DELINEATOR (STEEL POST WITH SINGLE DELINEATOR, COLOR SHALL MATCH THE RESPECTIVE EDGELINE MARKING)
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- CRASH CUSHIONS TEMPORARY
- MARKING REMOVAL LINE
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- TY — TEMPORARY MARKING LINE 6-INCH (YELLOW)
- TDY — TEMPORARY MARKING LINE 6-INCH (DOUBLE YELLOW)
- T10 — TEMPORARY MARKING LINE 10-INCH (WHITE)
- RPM — TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE 1
- TEMP PAVEMENT COMPLETED IN PREVIOUS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE

NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 5 - DETAIL - TEMP CROSSOVER - SOUTH PROJECT LIMIT	SHEET 165	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025106-TC.DWG
LAYOUT NAME - 02

PLOT DATE : 6/21/2023 1:47 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

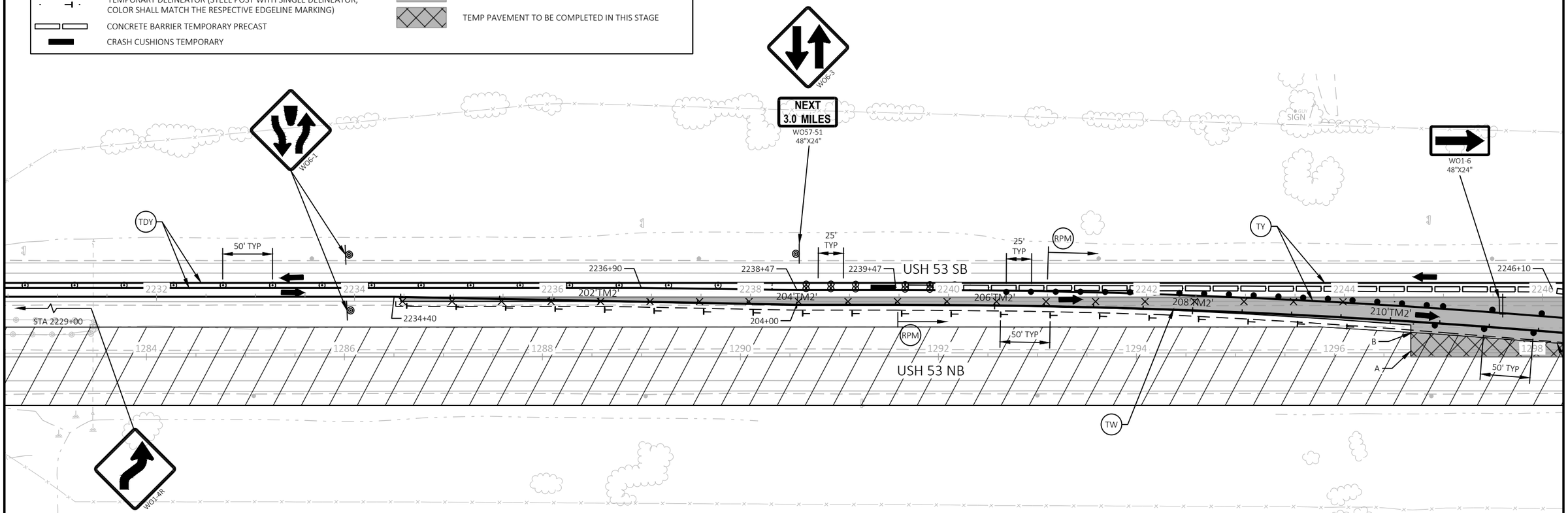
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
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- T10 — TEMPORARY MARKING LINE 10-INCH (WHITE)
- RPM — TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE 1
- TEMP PAVEMENT COMPLETED IN PREVIOUS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE

NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION

N



STATION & OFFSET TABLE (LAYOUT POINTS)		
POINT	STATION	OFFSET
A	1296+77.24	6.00, LT
B	1296+78.79	24.43, LT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 5 - DETAIL - TEMP CROSSOVER - MID PROJECT	SHEET 166	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025106-TC.DWG
LAYOUT NAME - 03
PLOT DATE : 6/21/2023 1:47 PM
PLOT BY : ADMIN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

LEGEND

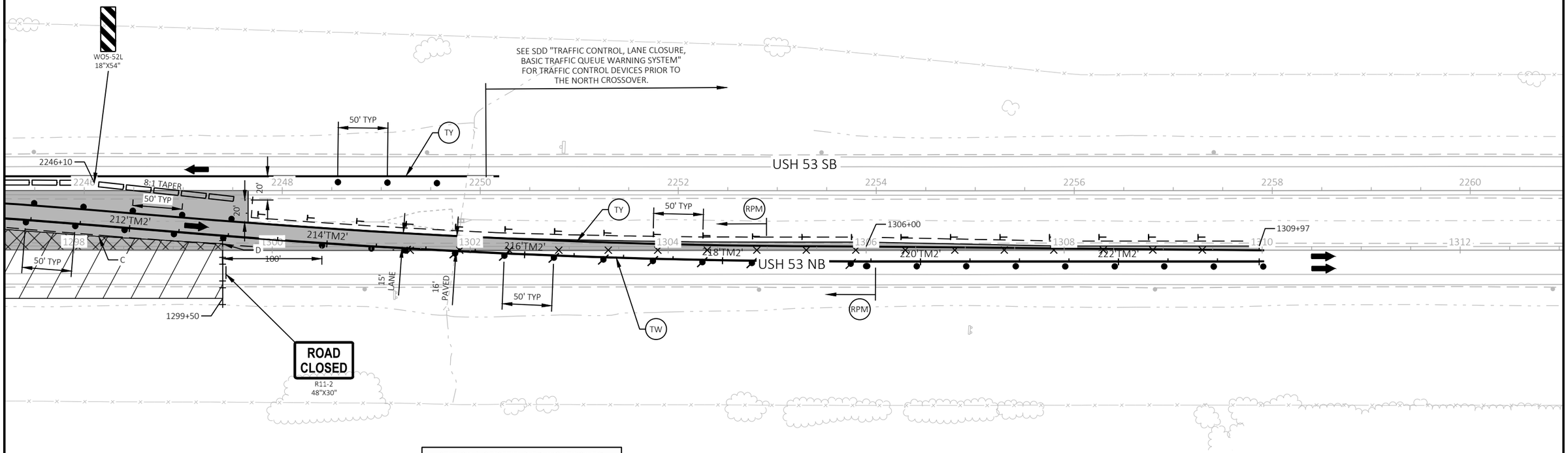
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
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- DIRECTION OF TRAFFIC
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- TW — TEMPORARY MARKING LINE 6-INCH (WHITE)
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- TDY — TEMPORARY MARKING LINE 6-INCH (DOUBLE YELLOW)
- T10 — TEMPORARY MARKING LINE 10-INCH (WHITE)
- RPM — TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE 1
- TEMP PAVEMENT COMPLETED IN PREVIOUS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE

NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION

N



STATION & OFFSET TABLE (LAYOUT POINTS)		
POINT	STATION	OFFSET
C	1298+24.98	13.73, LT
D	1299+49.98	6.35, LT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 5 - DETAIL - TEMP CROSSOVER - MID PROJECT	SHEET 167	E

LEGEND

PROPOSED CONSTRUCTION

REMOVAL OF TEMPORARY CROSSOVER OR TEMPORARY WIDENING

NOTES

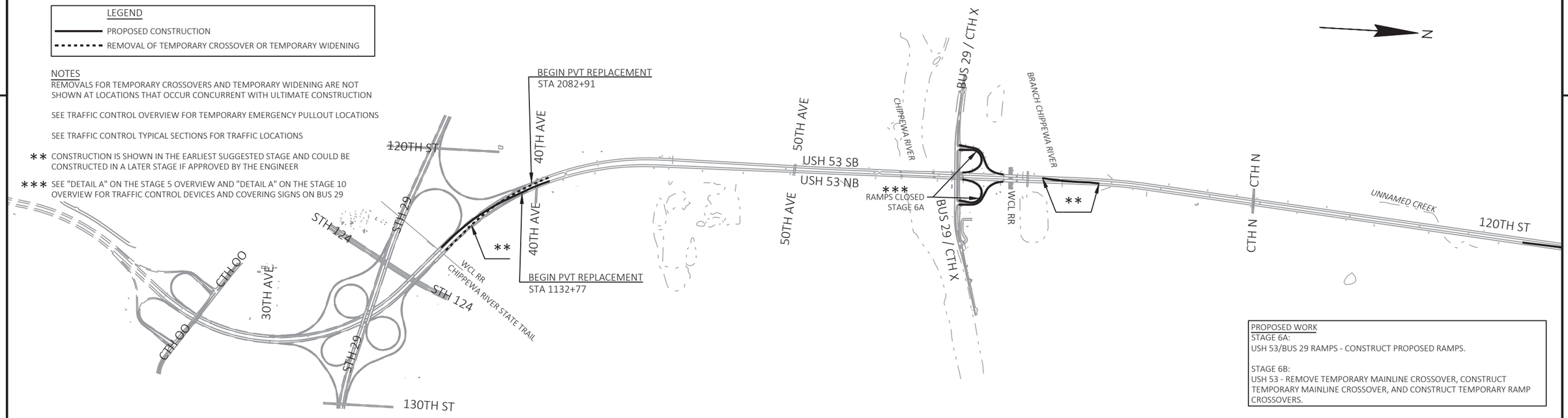
REMOVALS FOR TEMPORARY CROSSOVERS AND TEMPORARY WIDENING ARE NOT SHOWN AT LOCATIONS THAT OCCUR CONCURRENT WITH ULTIMATE CONSTRUCTION

SEE TRAFFIC CONTROL OVERVIEW FOR TEMPORARY EMERGENCY PULLOUT LOCATIONS

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC LOCATIONS

** CONSTRUCTION IS SHOWN IN THE EARLIEST SUGGESTED STAGE AND COULD BE CONSTRUCTED IN A LATER STAGE IF APPROVED BY THE ENGINEER

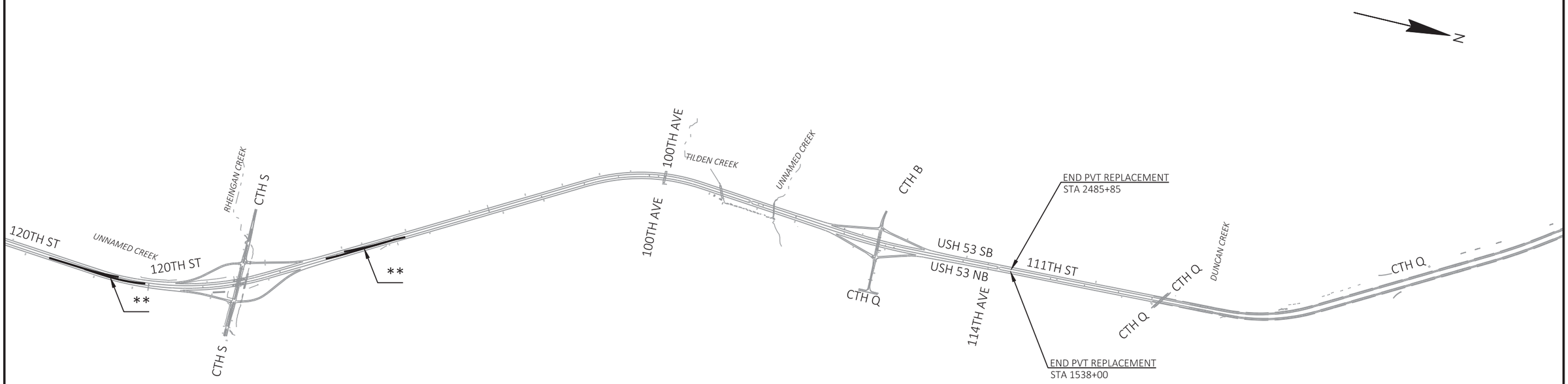
*** SEE "DETAIL A" ON THE STAGE 5 OVERVIEW AND "DETAIL A" ON THE STAGE 10 OVERVIEW FOR TRAFFIC CONTROL DEVICES AND COVERING SIGNS ON BUS 29



PROPOSED WORK

STAGE 6A:
USH 53/BUS 29 RAMPS - CONSTRUCT PROPOSED RAMPS.

STAGE 6B:
USH 53 - REMOVE TEMPORARY MAINLINE CROSSOVER, CONSTRUCT TEMPORARY MAINLINE CROSSOVER, AND CONSTRUCT TEMPORARY RAMP CROSSOVERS.



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 6 OVERVIEW	SHEET 168	E

2

LEGEND

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER

① DRUM LOCATION SHOWN FOR AREAS NOT IMMEDIATELY ADJACENT TO CONSTRUCTION ACTIVITIES, DRUMS MAY BE SHIFTED TO LANE LINE ONLY IN AREAS WITH CONSTRUCTION ACTIVITIES AS APPROVED BY THE ENGINEER DURING ALLOWABLE HOURS

TRAFFIC CONTROL FLOW ARROW

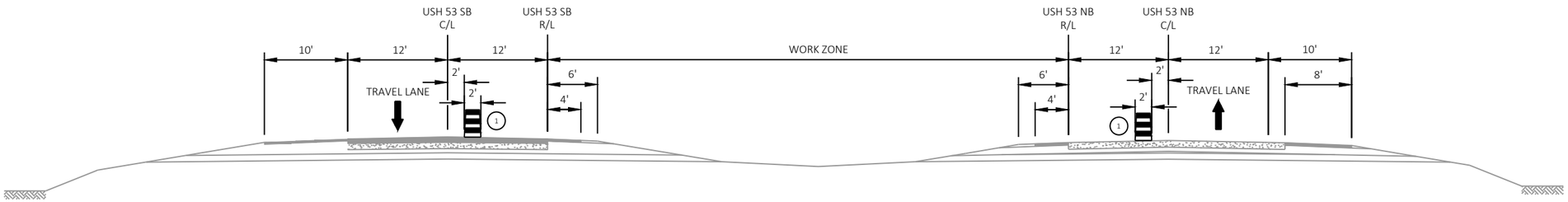
NOTES

*** WORK FOR BUS 29 RAMPS MAY OCCUR WITH SHOULDER CLOSURES INSTEAD OF LANE CLOSURES AS APPROVED BY THE ENGINEER.

SEE STAGE OVERVIEW SHEETS FOR ROADWAY AND RAMP CLOSURES. ROADWAYS NOT SHOWN IN TRAFFIC CONTROL TYPICAL SECTIONS ARE ON NORMAL TRAVEL LANES EXCEPT BUS 29 WB IS REDUCED TO A SINGLE LANE THROUGH THE INTERCHANGE.



STAGE 6A TYPICAL SECTION
USH 53



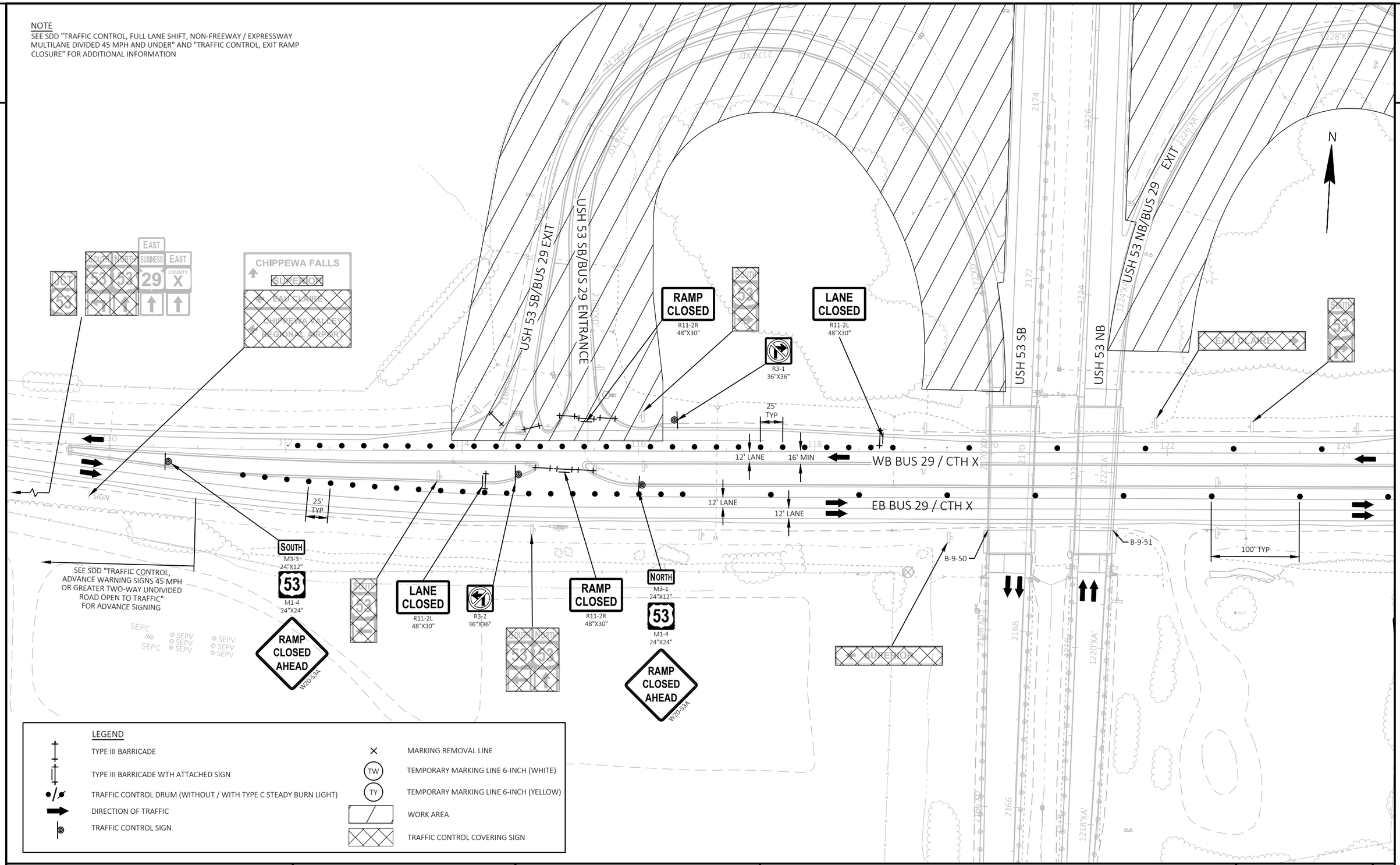
STAGE 6B TYPICAL SECTION
USH 53

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - TYPICAL SECTIONS - USH 53	SHEET 169	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025002-TC.DWG
LAYOUT NAME - 06-1

PLOT DATE : 6/21/2023 1:26 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:15 FT

NOTE
SEE SDD "TRAFFIC CONTROL, FULL LANE SHIFT, NON-FREEWAY / EXPRESSWAY MULTILANE DIVIDED 45 MPH AND UNDER" AND "TRAFFIC CONTROL, EXIT RAMP CLOSURE" FOR ADDITIONAL INFORMATION



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL SIGN
- MARKING REMOVAL LINE
- TW — TEMPORARY MARKING LINE 6-INCH (WHITE)
- TY — TEMPORARY MARKING LINE 6-INCH (YELLOW)
- WORK AREA
- TRAFFIC CONTROL COVERING SIGN

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 6A - DETAIL - BUS 29/CTH X	SHEET 170	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025107-TC.DWG
LAYOUT NAME - 01
PLOT DATE : 6/21/2023 1:50 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

N

SOUTH
M3-3
24"X12"
53
M1-4
24"X24"
RAMP CLOSED AHEAD
W20-53A

USH 53 NB/BUS 29 EXIT
USH 53 NB/BUS 29

EXIT 53

LANE CLOSED
R11-2L
48"X30"

R3-1
36"X36"

WO1-6
48"X24"

CHILDREN AT PLAY

WO1-4L

SOUTH NORTH
53 53

EXIT 53

NORTH
M3-1
24"X12"
53
M1-4
24"X24"
RAMP CLOSED AHEAD
W20-53A

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCE SIGNING

GUY POLE

GUY

SUNSHINE CIR

+00
100' TYP
+50
12' RT

50' TYP

TW

+00
12' LT

15' LANE

TY

+50

12' LANE

25' TYP

WB BUS 29 / CTH X

12' LANE
12' LANE

600' SHIFTING TAPER

EB BUS 29 / CTH X

R3-2
36"X36"

EXIT 53

LANE CLOSED
R11-2L
48"X30"

RAMP CLOSED
R11-2R
48"X30"

RAMP CLOSED
R11-2R
48"X30"

LANE CLOSED
R11-2L
48"X30"

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL SIGN
- MARKING REMOVAL LINE
- TW — TEMPORARY MARKING LINE 6-INCH (WHITE)
- TY — TEMPORARY MARKING LINE 6-INCH (YELLOW)
- WORK AREA
- TRAFFIC CONTROL COVERING SIGN

NOTE
SEE SDD "TRAFFIC CONTROL, FULL LANE SHIFT, NON-FREEWAY / EXPRESSWAY MULTILANE DIVIDED 45 MPH AND UNDER" AND "TRAFFIC CONTROL, EXIT RAMP CLOSURE" FOR ADDITIONAL INFORMATION

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 6A - DETAIL - BUS 29/CTH X	SHEET 171	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025107-TC.DWG
LAYOUT NAME - 02

PLOT DATE : 6/21/2023 1:51 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- TRAFFIC CONTROL SIGN
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN FUTURE STAGES
- SURFACE WATER FLOW DIRECTION

NOTES

TEMPORARY CROSSOVER PAVEMENT STRUCTURE IS 5.5" ASPHALTIC SURFACE TEMPORARY OVER 10" BASE AGGREGATE DENSE 1 1/4 -INCH

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC IN STAGE LOCATION DETAILS

SEE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" FOR ADDITIONAL DEVICES AND INFORMATION

CURVE NO. 1 'T2'
PI STA = 209+60.26
Y = 115342.85
X = 163688.93
PC STA = 201+79.56
Y=114822.53
X=164270.95
PT STA = 217+24.87
Y=116031.64
X=163321.45
DELTA = 20°07'21"
D = 1°18'08"
T = 780.69'
L = 1545.31'
R = 4400.00'
PROPOSED SE= 3.3%

WARNING
HIGH-PRESSURE PIPELINE(S)
EXCAVATION AND/OR CONSTRUCTION PROHIBITED
WITHOUT COMPLIANCE WITH STATE ONE-CALL/DIGGERS HOTLINE, AND
WITHOUT WRITTEN PERMISSION FROM
MAGELLAN PIPELINE COMPANY.

LANE CLOSED
R11-2L
48"X30"

USE CROSSOVER IN STAGE 10

CAUTION

USH 53 SB/STH 29 WB EXIT

R/W

N

BP: 200+00.00'T2'

PC: 201+79.56'T2'

USH 53 SB/STH 29 WB ENTRANCE

100' TYP

CURVE 1

202'T2'

204'T2'

206'T2'

208'T2'

210'T2'

212'T2'

USH 53 SB

USH 53 NB

Y = 114702.851
X = 164404.823

N48° 12' 13"W

A

B

C

R1=4384'

2060 2062 2064 2066 2068 2070 2072

1112 1114 1116 1118 1120 1122 1124 1126

SEE TRAFFIC CONTROL - SOUTH END - INSIDE LANE CLOSURE DETAIL FOR ADDITIONAL DEVICES AND INFORMATION

CHIPPEWA RIVER STATE TRAIL

WCL RR

R/W

VIKING GAS TRANSMISSION COMPANY (GAS)

MAGELLAN PIPELINE (GAS)

CAUTION

R/W

STATION & OFFSET TABLE (LAYOUT POINTS)		
POINT	STATION	OFFSET
A	1113+14.61	69.24, LT
B	1114+96.00	69.15, LT
C	1124+25.15	61.26, LT

STATION & OFFSET TABLE (RADII)		
POINT	STATION	OFFSET
R1	1114+93.77	4314.85, RT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 6B - TEMP CROSSOVER - SOUTH PROJECT LIMIT	SHEET 172	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025009-TC.DWG
LAYOUT NAME - 01

PLOT DATE : 7/13/2021 1:07 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- TRAFFIC CONTROL SIGN
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN FUTURE STAGES
- SURFACE WATER FLOW DIRECTION

NOTES
TEMPORARY CROSSOVER PAVEMENT STRUCTURE IS 5.5" ASPHALTIC SURFACE TEMPORARY OVER 10" BASE AGGREGATE DENSE 1 1/4 -INCH

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC IN STAGE LOCATION DETAILS

SEE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" FOR ADDITIONAL DEVICES AND INFORMATION

WARNING
HIGH-PRESSURE PIPELINE(S)
EXCAVATION AND/OR CONSTRUCTION PROHIBITED
WITHOUT COMPLIANCE WITH STATE ONE-CALL/DIGGERS HOTLINE, AND
WITHOUT WRITTEN PERMISSION FROM
MAGELLAN PIPELINE COMPANY.

R/W

STA 2075+15, RT
TEMPORARY COVER PLATE REQ'D, SEE SEC 5
PLAN SHEETS FOR ADDITIONAL INFORMATION

WISDOT
(ELECTRIC)

AT&T WISCONSIN
(COMMUNICATION)

BEGIN USH 53 SB
PAVEMENT REPLACEMENT
STA 2082+91

40TH AVE

XCEL ENERGY
(ELECTRIC)
CHARTER COMMUNICATION
(COMMUNICATION)

R/W

Y = 116786.061
X = 162859.345

USH 53 SB/STH 29 WB EXIT

100' TYP

USE CROSSOVER IN STAGE 10

CAUTION

USH 53 SB

216'T2' CURVE 1 218'T2' N28° 04' 51"W 220'T2' 222'T2' CURVE 2 CURVE 3 224'T2'

212'T2' 214'T2'

USH 53 NB

VIKING GAS TRANSMISSION COMPANY
(GAS)

BEGIN USH 53 NB PAVEMENT
REPLACEMENT
STA 1132+77

PT: 217+24.87'T2'

PC: 221+43.56'T2'

PCC: 222+00.00'T2'

XCEL ENERGY
(GAS)

EP: 225+99.79'T2'

Y = 116815.348
X = 162933.744

CAUTION

LANE CLOSED
R11-2L
48"X30"

MAGELLAN PIPELINE
(GAS)

VILLAGE OF LAKE HALLIE
(WATER)

40TH AVE

R/W

WELL

STA 1126+46- STA 1128+94, LT
TEMPORARY STORM SEWER AND INLET REQ'D, SEE
SEC 5 PLAN SHEETS FOR ADDITIONAL INFORMATION

STATION & OFFSET TABLE (LAYOUT POINTS)		
POINT	STATION	OFFSET
D	1126+96.50	30.35, LT
E	1130+22.19	23.93, LT
F	1134+39.46	8.00, LT
G	1134+95.82	8.00, LT
H	1136+95.56	4.00, LT
I	1138+95.27	4.00, LT

CURVE NO. 1 'T2'
PI STA = 209+60.26
Y = 115342.85
X = 163688.93
PC STA = 201+79.56
Y=114822.53
X=164270.95
PT STA = 217+24.87
Y=116031.64
X=163321.45
DELTA = 20°07'21"
D = 1°18'08"
T = 780.69'
L = 1545.31'
R = 4400.00'
PROPOSED SE= 3.3%

CURVE NO. 2 'T2'
PI STA = 221+71.78
Y = 116425.95
X = 163111.08
PC STA = 221+43.56
Y=116401.05
X=163124.36
PT STA = 222+00.00
Y=116450.98
X=163098.05
DELTA = 0°35'18"
D = 1°02'33"
T = 28.22'
L = 56.44'
R = 5495.99'
PROPOSED SE= 3.5%

CURVE NO. 3 'T2'
PI STA = 223+99.98
Y = 116630.19
X = 163009.29
PC STA = 222+00.00
Y=116450.98
X=163098.05
PT STA = 225+99.79
Y=116815.38
X=162933.81
DELTA = 4°10'26"
D = 1°02'38"
T = 199.98'
L = 399.79'
R = 5488.00'
PROPOSED SE= 3.3%

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 6B - TEMP CROSSOVER - SOUTH PROJECT LIMIT	SHEET 173	E

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- TRAFFIC CONTROL SIGN
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMP PAVEMENT TO BE COMPLETED IN PREVIOUS STAGES
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN FUTURE STAGES
- SURFACE WATER FLOW DIRECTION

NOTES

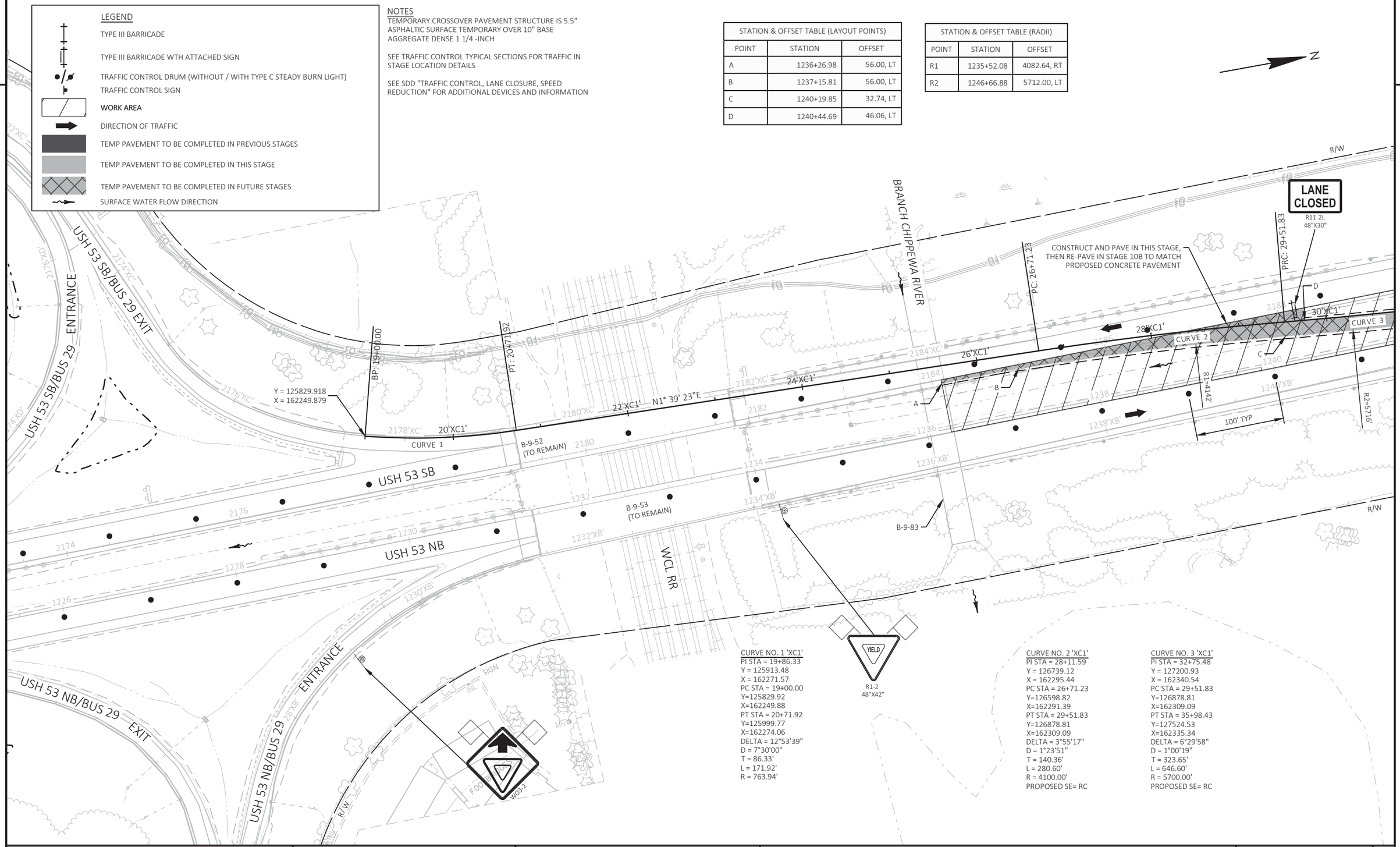
TEMPORARY CROSSOVER PAVEMENT STRUCTURE IS 5.5" ASPHALTIC SURFACE TEMPORARY OVER 10" BASE AGGREGATE DENSE 1 1/4 -INCH

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC IN STAGE LOCATION DETAILS

SEE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" FOR ADDITIONAL DEVICES AND INFORMATION

STATION & OFFSET TABLE (LAYOUT POINTS)		
POINT	STATION	OFFSET
A	1236+26.98	56.00, LT
B	1237+15.81	56.00, LT
C	1240+19.85	32.74, LT
D	1240+44.69	46.06, LT

STATION & OFFSET TABLE (RADII)		
POINT	STATION	OFFSET
R1	1235+52.08	4082.64, RT
R2	1246+66.88	5712.00, LT



CURVE NO. 1 'XC1'
PI STA = 19+86.33
Y = 125913.48
X = 162271.57
PC STA = 19+00.00
Y=125829.92
X=162249.88
PT STA = 20+71.92
Y=125999.77
X=162274.06
DELTA = 12°53'39"
D = 7°30'00"
T = 86.33'
L = 171.92'
R = 763.94'

CURVE NO. 2 'XC1'
PI STA = 28+11.59
Y = 126739.12
X = 162295.44
PC STA = 26+71.23
Y=126598.82
X=162291.39
PT STA = 29+51.83
Y=126878.81
X=162309.09
DELTA = 3°55'17"
D = 1°23'51"
T = 140.36'
L = 280.60'
R = 4100.00'
PROPOSED SE= RC

CURVE NO. 3 'XC1'
PI STA = 32+75.48
Y = 127200.93
X = 162340.54
PC STA = 29+51.83
Y=126878.81
X=162309.09
PT STA = 35+98.43
Y=127524.53
X=162335.34
DELTA = 6°29'58"
D = 1°00'19"
T = 323.65'
L = 646.60'
R = 5700.00'
PROPOSED SE= RC

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 6B - TEMP CROSSOVER - USH 53 SB/BUS 29 EXIT	SHEET 174	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- TRAFFIC CONTROL SIGN
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMP PAVEMENT TO BE COMPLETED IN PREVIOUS STAGES
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN FUTURE STAGES
- SURFACE WATER FLOW DIRECTION

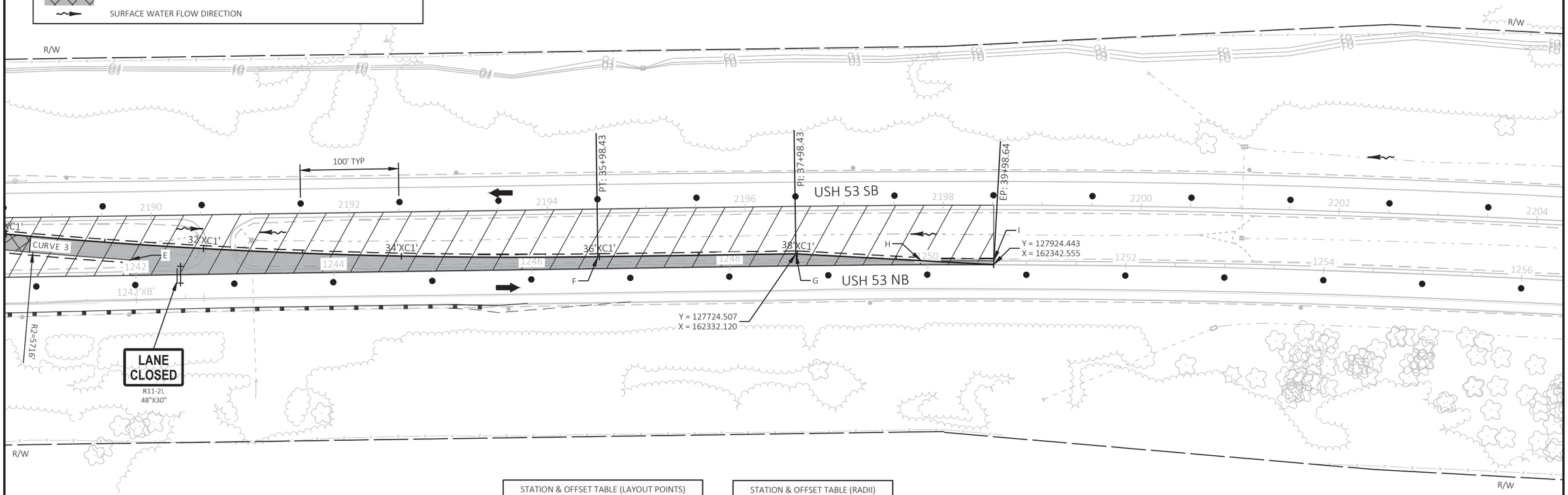
NOTES

TEMPORARY CROSSOVER PAVEMENT STRUCTURE IS 5.5" ASPHALTIC SURFACE TEMPORARY OVER 10" BASE AGGREGATE DENSE 1 1/4 -INCH

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC IN STAGE LOCATION DETAILS

SEE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" FOR ADDITIONAL DEVICES AND INFORMATION

N



CURVE NO. 3 'XC1'
PI STA = 32+75.48
Y = 127200.93
X = 162340.54
PC STA = 29+51.83
Y=126878.81
X=162309.09
PT STA = 35+98.43
Y=127524.53
X=162335.34
DELTA = 6°29'58"
D = 1°00'19"
T = 323.65'
L = 646.60'
R = 5700.00'
PROPOSED SE= RC

STATION & OFFSET TABLE (LAYOUT POINTS)		
POINT	STATION	OFFSET
E	1241+93.99	15.59, LT
F	1246+66.88	12.00, LT
G	1248+66.88	12.00, LT
H	1249+93.27	4.00, LT
I	1250+66.62	3.96, LT

STATION & OFFSET TABLE (RADII)		
POINT	STATION	OFFSET
R2	1246+66.88	5712.00, LT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 6B- TEMP CROSSOVER - USH 53 SB/BUS 29 EXIT	SHEET 175	E

2

2

LEGEND

TYPE III BARRICADE

TYPE III BARRICADE WTH ATTACHED SIGN

TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)

TRAFFIC CONTROL SIGN

WORK AREA

DIRECTION OF TRAFFIC

TEMP PAVEMENT TO BE COMPLETED IN PREVIOUS STAGES

TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE

TEMP PAVEMENT TO BE COMPLETED IN FUTURE STAGES

SURFACE WATER FLOW DIRECTION

NOTES

TEMPORARY CROSSOVER PAVEMENT STRUCTURE IS 5.5" ASPHALTIC SURFACE TEMPORARY OVER 10" BASE AGGREGATE DENSE 1 1/4 -INCH

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC IN STAGE LOCATION DETAILS

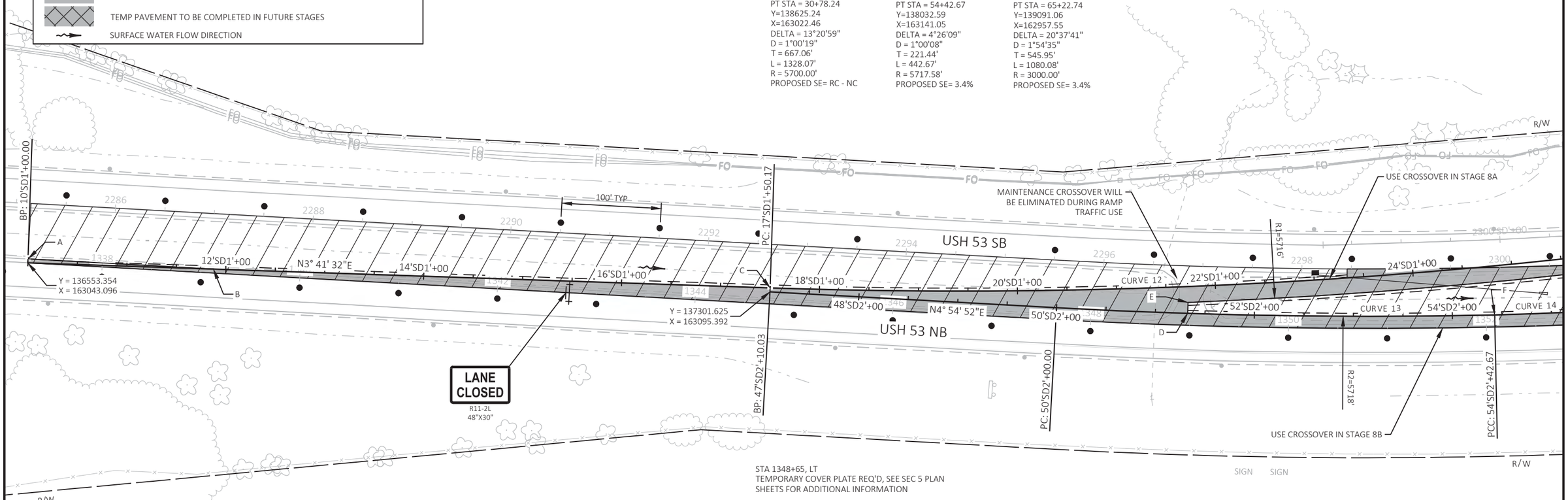
SEE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" FOR ADDITIONAL DEVICES AND INFORMATION

N

CURVE NO. 12 'SD1'
PI STA = 24+17.23
Y = 137967.64
X = 163134.36
PC STA = 17+50.17
Y=137301.97
X=163091.41
PT STA = 30+78.24
Y=138625.24
X=163022.46
DELTA = 13°20'59"
D = 1°00'19"
T = 667.06'
L = 1328.07'
R = 5700.00'
PROPOSED SE= RC - NC

CURVE NO. 13 'SD2'
PI STA = 52+21.44
Y = 137811.16
X = 163139.20
PC STA = 50+00.00
Y=137590.53
X=163120.23
PT STA = 54+42.67
Y=138032.59
X=163141.05
DELTA = 4°26'09"
D = 1°00'08"
T = 221.44'
L = 442.67'
R = 5717.58'
PROPOSED SE= 3.4%

CURVE NO. 14 'SD2'
PI STA = 59+88.61
Y = 138578.52
X = 163145.61
PC STA = 54+42.67
Y=138032.59
X=163141.05
PT STA = 65+22.74
Y=139091.06
X=162957.55
DELTA = 20°37'41"
D = 1°54'35"
T = 545.95'
L = 1080.08'
R = 3000.00'
PROPOSED SE= 3.4%



STA 1348+65, LT
TEMPORARY COVER PLATE REQ'D, SEE SEC 5 PLAN SHEETS FOR ADDITIONAL INFORMATION

STA 1350+26 - STA 1352+60, LT
TEMPORARY STORM SEWER AND INLET REQ'D, SEE SEC 5 PLAN SHEETS FOR ADDITIONAL INFORMATION

STATION & OFFSET TABLE (LAYOUT POINTS)		
POINT	STATION	OFFSET
A	1337+25.00	4.00, LT
B	1339+12.50	4.00, LT
C	1344+75.00	16.00, LT
D	1348+97.67	12.17, LT
E	1348+97.68	23.26, LT
F	1352+08.57	12.53, LT

STATION & OFFSET TABLE (RADII)		
POINT	STATION	OFFSET
R1	1343+53.43	5714.70, LT
R2	1347+64.97	5729.58, LT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 6B- TEMP CROSSOVER - USH 53 SB/CTH S ENTRANCE	SHEET 176	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025010-TC.DWG
LAYOUT NAME - 03
PLOT DATE : 7/19/2021 7:47 AM
PLOT BY : DREW NELSON
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- TRAFFIC CONTROL SIGN
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMP PAVEMENT TO BE COMPLETED IN PREVIOUS STAGES
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN FUTURE STAGES
- SURFACE WATER FLOW DIRECTION

NOTES

TEMPORARY CROSSOVER PAVEMENT STRUCTURE IS 5.5" ASPHALTIC SURFACE TEMPORARY OVER 10" BASE AGGREGATE DENSE 1 1/4 -INCH

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC IN STAGE LOCATION DETAILS

SEE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" FOR ADDITIONAL DEVICES AND INFORMATION

CURVE NO. 12 'SD1'
PI STA = 24+17.23
Y = 137967.64
X = 163134.36
PC STA = 17+50.17
Y=137301.97
X=163091.41
PT STA = 30+78.24
Y=138625.24
X=163022.46
DELTA = 13°20'59"
D = 1°00'19"
T = 667.06'
L = 1328.07'
R = 5700.00'
PROPOSED SE= RC - NC

CURVE NO. 15 'SD1'
PI STA = 31+38.05
Y = 138684.20
X = 163012.43
PC STA = 30+78.24
Y=138625.24
X=163022.46
PT STA = 31+97.84
Y=138743.43
X=163004.12
DELTA = 1°40'17"
D = 1°23'51"
T = 59.81'
L = 119.60'
R = 4100.00'
PROPOSED SE= 3.2% (REV)

CURVE NO. 16 'SD1'
PI STA = 33+77.12
Y = 138920.96
X = 162979.22
PC STA = 31+97.84
Y=138743.43
X=163004.12
PT STA = 35+56.26
Y=139096.49
X=162942.78
DELTA = 3°44'21"
D = 1°02'36"
T = 179.27'
L = 358.41'
R = 5492.00'
PROPOSED SE= 3.4%

CURVE NO. 17 'SD1'
PI STA = 37+10.71
Y = 139247.72
X = 162911.40
PC STA = 35+56.26
Y=139096.49
X=162942.78
PT STA = 38+63.48
Y=139386.07
X=162842.74
DELTA = 14°40'07"
D = 4°46'29"
T = 154.45'
L = 307.22'
R = 1200.00'
PROPOSED SE= 5.7%

CURVE NO. 18 'SD1'
PI STA = 39+76.99
Y = 139487.75
X = 162792.28
PC STA = 38+63.48
Y=139386.07
X=162842.74
PT STA = 40+90.02
Y=139580.21
X=162726.43
DELTA = 9°03'43"
D = 4°00'00"
T = 113.51'
L = 226.55'
R = 1432.39'

STA 1358+12, LT
TEMPORARY COVER PLATE REQ'D, SEE SEC 5 PLAN SHEETS FOR ADDITIONAL INFORMATION

STA 1358+67- 1359+65, LT
TEMPORARY STORM SEWER AND INLET REQ'D, SEE SEC 5 PLAN SHEETS FOR ADDITIONAL INFORMATION

CURVE NO. 14 'SD2'
PI STA = 59+88.61
Y = 138578.52
X = 163145.61
PC STA = 54+42.67
Y=138032.59
X=163141.05
PT STA = 65+22.74
Y=139091.06
X=162957.55
DELTA = 20°37'41"
D = 1°54'35"
T = 545.95'
L = 1080.08'
R = 3000.00'
PROPOSED SE= 3.4%

CURVE NO. 19 'SD2'
PI STA = 65+82.31
Y = 139146.98
X = 162937.03
PC STA = 65+22.74
Y=139091.06
X=162957.55
PT STA = 66+41.86
Y=139203.47
X=162918.15
DELTA = 1°39'53"
D = 1°23'51"
T = 59.56'
L = 119.12'
R = 4100.00'
PROPOSED SE= 5.7% (REV)

CURVE NO. 20 'SD2'
PI STA = 69+06.96
Y = 139454.89
X = 162834.10
PC STA = 66+41.86
Y=139203.47
X=162918.15
PT STA = 71+66.13
Y=139659.58
X=162665.63
DELTA = 20°58'14"
D = 4°00'00"
T = 265.10'
L = 524.27'
R = 1432.39'

STATION & OFFSET TABLE (LAYOUT POINTS)		
POINT	STATION	OFFSET
G	1353+56.73	56.68, LT
H	1354+55.07	56.77, LT
I	1356+09.60	9.53, LT
J	1358+55.87	46.04, LT
K	1358+57.52	30.12, LT
L	1356+54.98	102.17, LT
M	1358+13.26	105.42, LT
N	1359+34.12	110.95, LT
O	1362+99.81	118.89, LT
P	1366+10.28	161.50, LT

STATION & OFFSET TABLE (RADII)		
POINT	STATION	OFFSET
R3	1352+01.95	3012.53, LT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 6B - TEMP CROSSOVER - USH 53 SB/CTH S ENTRANCE	SHEET 177	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- TRAFFIC CONTROL SIGN
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMP PAVEMENT TO BE COMPLETED IN PREVIOUS STAGES
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN FUTURE STAGES
- SURFACE WATER FLOW DIRECTION

NOTES

TEMPORARY CROSSOVER PAVEMENT STRUCTURE IS 5.5" ASPHALTIC SURFACE TEMPORARY OVER 10" BASE AGGREGATE DENSE 1 1/4 -INCH

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC IN STAGE LOCATION DETAILS

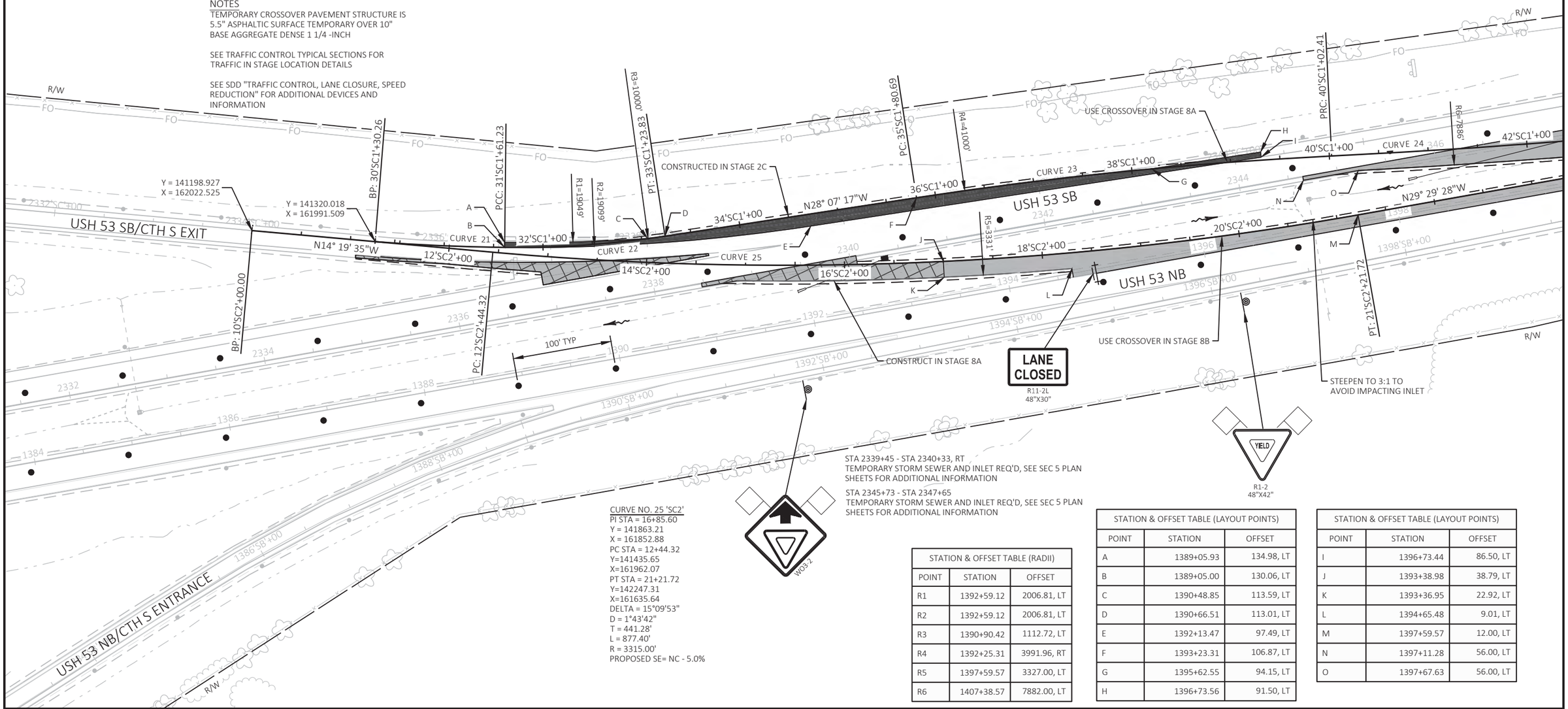
SEE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" FOR ADDITIONAL DEVICES AND INFORMATION

CURVE NO. 21 'SC1'
PI STA = 30+95.77
Y = 141383.33
X = 161974.69
PC STA = 30+30.26
Y=141320.02
X=161991.51
PT STA = 31+61.23
Y=141445.35
X=161953.57
DELTA = 3°55'45"
D = 3°00'00"
T = 65.51'
L = 130.97'
R = 1909.86'

CURVE NO. 22 'SC1'
PI STA = 32+42.71
Y = 141522.47
X = 161927.31
PC STA = 31+61.23
Y=141445.35
X=161953.57
PT STA = 33+23.83
Y=141594.33
X=161888.90
DELTA = 9°18'57"
D = 5°43'46"
T = 81.48'
L = 162.59'
R = 1000.00'
PROPOSED SE= 5.0%

CURVE NO. 23 'SC1'
PI STA = 37+91.74
Y = 142007.01
X = 161668.36
PC STA = 35+80.69
Y=141820.88
X=161767.83
PT STA = 40+02.41
Y=142202.36
X=161588.52
DELTA = 5°53'36"
D = 1°23'51"
T = 211.04'
L = 421.71'
R = 4100.00'
PROPOSED SE= NC

CURVE NO. 24 'SC1'
PI STA = 45+01.87
Y = 142664.71
X = 161399.57
PC STA = 40+02.41
Y=142202.36
X=161588.52
PT STA = 50+00.00
Y=143099.46
X=161153.69
DELTA = 7°15'46"
D = 0°43'41"
T = 499.47'
L = 997.59'
R = 7870.00'
PROPOSED SE= RC - NC



CURVE NO. 25 'SC2'
PI STA = 16+85.60
Y = 141863.21
X = 161852.88
PC STA = 12+44.32
Y=141435.65
X=161962.07
PT STA = 21+21.72
Y=142247.31
X=161635.64
DELTA = 15°09'53"
D = 1°43'42"
T = 441.28'
L = 877.40'
R = 3315.00'
PROPOSED SE= NC - 5.0%

STATION & OFFSET TABLE (RADII)

POINT	STATION	OFFSET
R1	1392+59.12	2006.81, LT
R2	1392+59.12	2006.81, LT
R3	1390+90.42	1112.72, LT
R4	1392+25.31	3991.96, RT
R5	1397+59.57	3327.00, LT
R6	1407+38.57	7882.00, LT

STATION & OFFSET TABLE (LAYOUT POINTS)

POINT	STATION	OFFSET
A	1389+05.93	134.98, LT
B	1389+05.00	130.06, LT
C	1390+48.85	113.59, LT
D	1390+66.51	113.01, LT
E	1392+13.47	97.49, LT
F	1393+23.31	106.87, LT
G	1395+62.55	94.15, LT
H	1396+73.56	91.50, LT

STATION & OFFSET TABLE (LAYOUT POINTS)

POINT	STATION	OFFSET
I	1396+73.44	86.50, LT
J	1393+38.98	38.79, LT
K	1393+36.95	22.92, LT
L	1394+65.48	9.01, LT
M	1397+59.57	12.00, LT
N	1397+11.28	56.00, LT
O	1397+67.63	56.00, LT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 6B- TEMP CROSSOVER - USH 53 SB/CTH S EXIT	SHEET 178	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025010-TC.DWG
LAYOUT NAME - 05
PLOT DATE : 7/19/2021 7:49 AM
PLOT BY : DREW NELSON
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

2

LEGEND

TYPE III BARRICADE

TYPE III BARRICADE WTH ATTACHED SIGN

TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)

TRAFFIC CONTROL SIGN

WORK AREA

DIRECTION OF TRAFFIC

TEMP PAVEMENT TO BE COMPLETED IN PREVIOUS STAGES

TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE

TEMP PAVEMENT TO BE COMPLETED IN FUTURE STAGES

SURFACE WATER FLOW DIRECTION

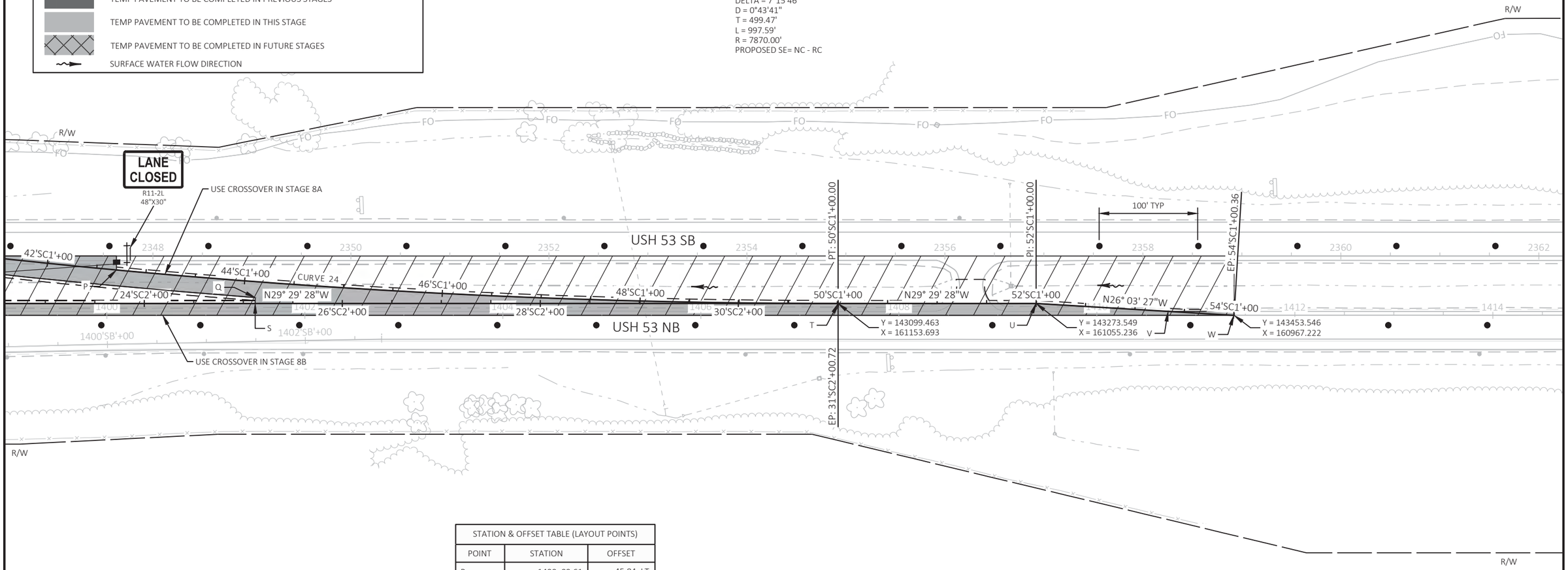
NOTES

TEMPORARY CROSSOVER PAVEMENT STRUCTURE IS 5.5" ASPHALTIC SURFACE TEMPORARY OVER 10" BASE AGGREGATE DENSE 1 1/4 -INCH

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC IN STAGE LOCATION DETAILS

SEE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" FOR ADDITIONAL DEVICES AND INFORMATION

CURVE NO. 24 'SC1'
PI STA = 45+01.87
Y = 142664.71
X = 161399.57
PC STA = 40+02.41
Y=142202.36
X=161588.52
PT STA = 50+00.00
Y=143099.46
X=161153.69
DELTA = 7°15'46"
D = 0°43'41"
T = 499.47'
L = 997.59'
R = 7870.00'
PROPOSED SE= NC - RC



STATION & OFFSET TABLE (LAYOUT POINTS)

POINT	STATION	OFFSET
P	1400+09.61	45.84, LT
Q	1401+49.81	18.01, LT
S	1401+49.81	12.00, LT
T	1407+38.56	12.00, LT
U	1409+38.56	12.00, LT
V	1410+71.90	4.00, LT
W	1411+38.21	0.02, LT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 6B - TEMP CROSSOVER - USH 53 SB/CTH S EXIT	SHEET 179	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025010-TC.DWG
LAYOUT NAME - 06

PLOT DATE : 7/19/2021 7:50 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

LEGEND

PROPOSED CONSTRUCTION

REMOVAL OF TEMPORARY CROSSOVER OR TEMPORARY WIDENING

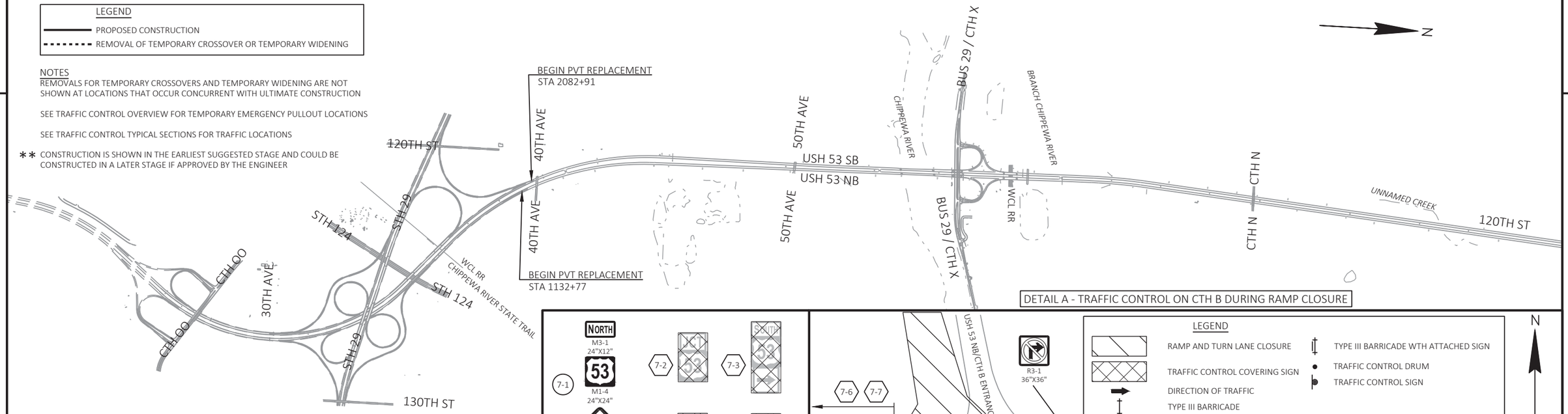
NOTES

REMOVALS FOR TEMPORARY CROSSOVERS AND TEMPORARY WIDENING ARE NOT SHOWN AT LOCATIONS THAT OCCUR CONCURRENT WITH ULTIMATE CONSTRUCTION

SEE TRAFFIC CONTROL OVERVIEW FOR TEMPORARY EMERGENCY PULLOUT LOCATIONS

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC LOCATIONS

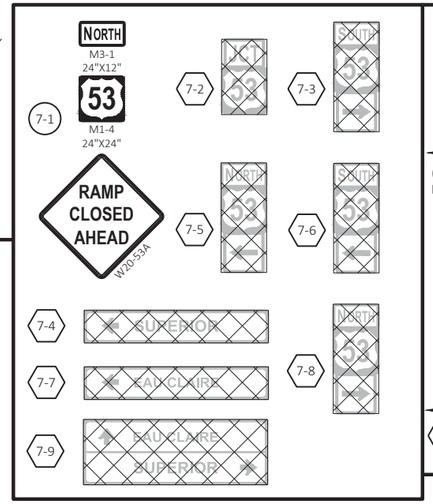
** CONSTRUCTION IS SHOWN IN THE EARLIEST SUGGESTED STAGE AND COULD BE CONSTRUCTED IN A LATER STAGE IF APPROVED BY THE ENGINEER



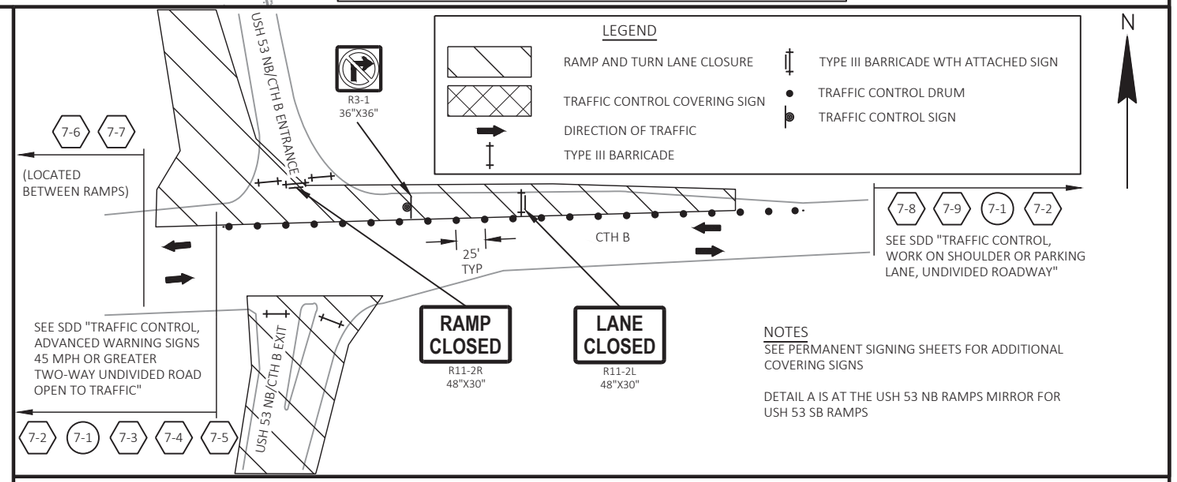
PROPOSED WORK

USH 53/CTH B RAMPS - CONSTRUCT PROPOSED RAMPS, AND CONSTRUCT TEMPORARY SHOULDER PAVING.

USH 53(NORTH OF END PVT REPLACEMENT) - FILL EXISTING RUMBLE STRIPS.



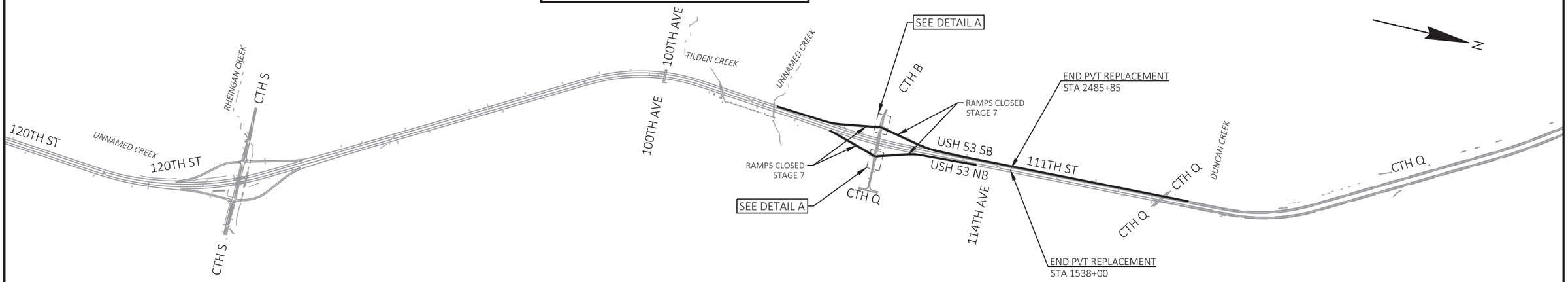
DETAIL A - TRAFFIC CONTROL ON CTH B DURING RAMP CLOSURE



NOTES

SEE PERMANENT SIGNING SHEETS FOR ADDITIONAL COVERING SIGNS

DETAIL A IS AT THE USH 53 NB RAMPS MIRROR FOR USH 53 SB RAMPS



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 7 OVERVIEW	SHEET 180	E

2

LEGEND

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER

① DRUM LOCATION SHOWN FOR AREAS NOT IMMEDIATELY ADJACENT TO CONSTRUCTION ACTIVITIES, DRUMS MAY BE SHIFTED TO LANE LINE ONLY IN AREAS WITH CONSTRUCTION ACTIVITIES AS APPROVED BY THE ENGINEER DURING ALLOWABLE HOURS

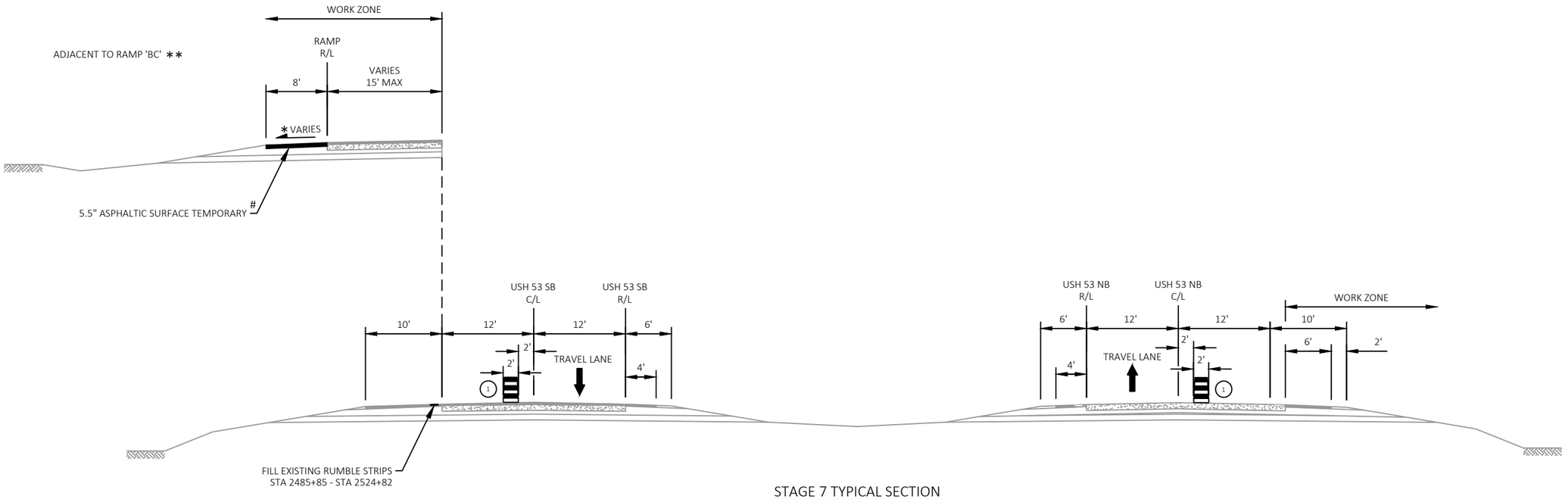
TRAFFIC CONTROL FLOW ARROW

NOTES

** SEE TRAFFIC CONTROL PLAN DETAILS AND TEMPORARY CROSSOVER DETAILS FOR TEMPORARY WIDENING AND TEMPORARY PAVEMENT LAYOUT INFORMATION

\# REMOVE EXISTING PAVED SHOULDER AND NECESSARY AGGREGATE UNDER THE EXCAVATION COMMON ITEM PRIOR TO PLACEMENT OF ASPHALTIC SURFACE TEMPORARY. PREPARATION OF THE FOUNDATION IS INCIDENTAL TO THE ASPHALTIC SURFACE TEMPORARY ITEM.

SEE STAGE OVERVIEW SHEETS FOR ROADWAY AND RAMP CLOSURES. ROADWAYS NOT SHOWN IN TRAFFIC CONTROL TYPICAL SECTIONS ARE ON NORMAL TRAVEL LANES.



STAGE 7 TYPICAL SECTION
USH 53
NEAR CTH B INTERCHANGE

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - TYPICAL SECTIONS - USH 53	SHEET 181	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025002-TC.DWG
LAYOUT NAME - 07-1
PLOT DATE : 6/21/2023 1:26 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:15 FT
WISDOT/CADDS SHEET 42

2

LEGEND

PROPOSED CONSTRUCTION

REMOVAL OF TEMPORARY CROSSOVER OR TEMPORARY WIDENING

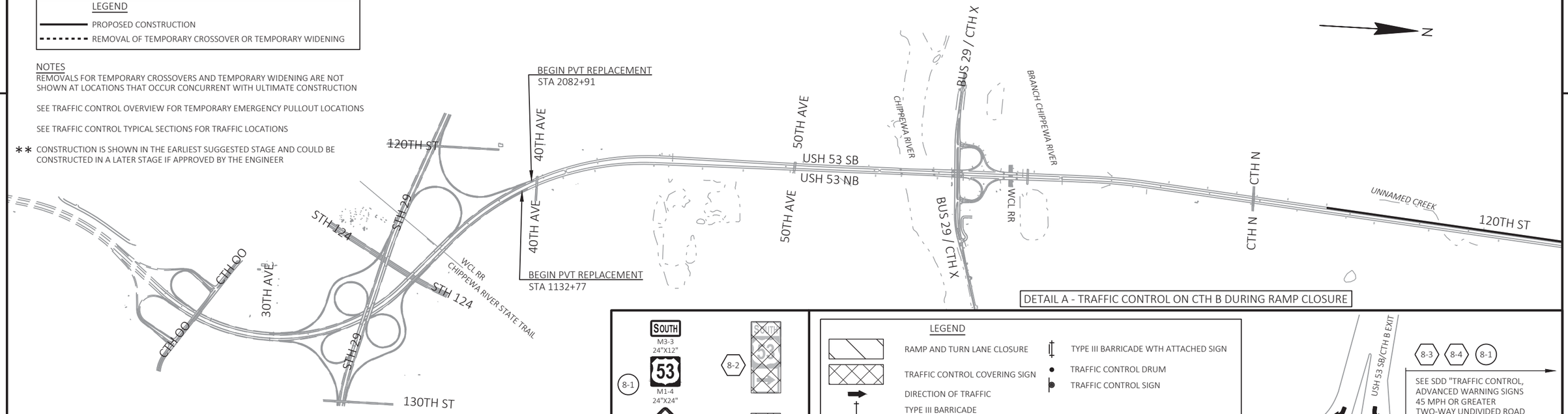
NOTES

REMOVALS FOR TEMPORARY CROSSOVERS AND TEMPORARY WIDENING ARE NOT SHOWN AT LOCATIONS THAT OCCUR CONCURRENT WITH ULTIMATE CONSTRUCTION

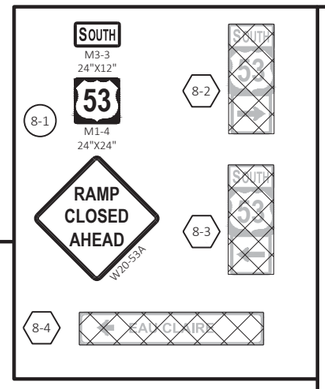
SEE TRAFFIC CONTROL OVERVIEW FOR TEMPORARY EMERGENCY PULLOUT LOCATIONS

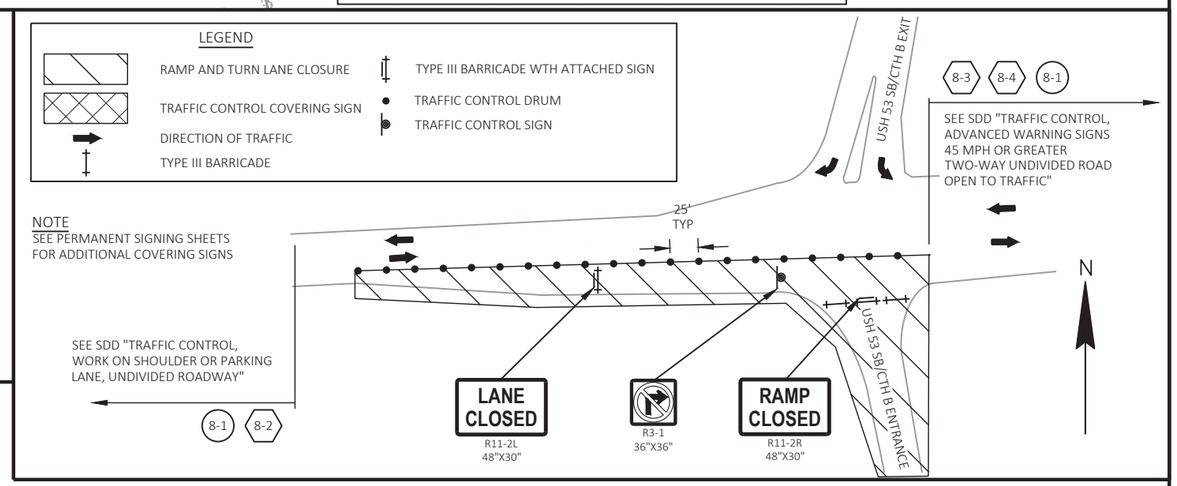
SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC LOCATIONS

** CONSTRUCTION IS SHOWN IN THE EARLIEST SUGGESTED STAGE AND COULD BE CONSTRUCTED IN A LATER STAGE IF APPROVED BY THE ENGINEER



DETAIL A - TRAFFIC CONTROL ON CTH B DURING RAMP CLOSURE





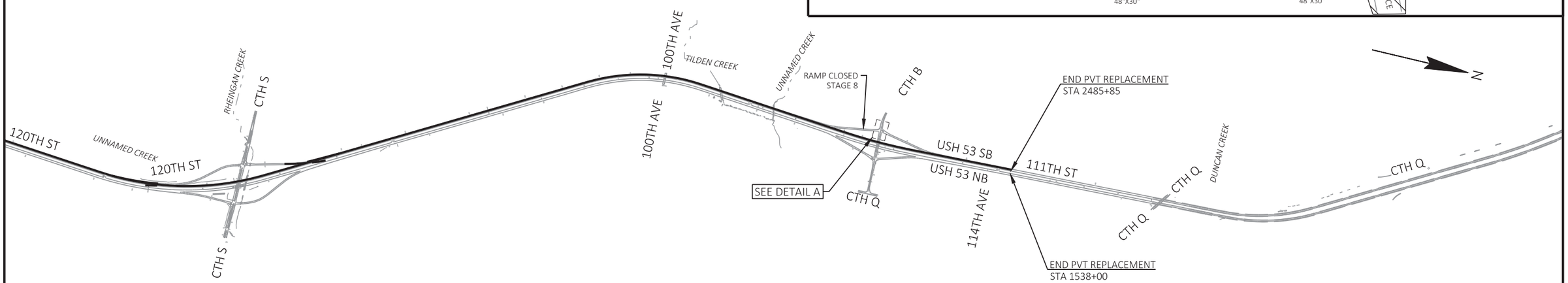
PROPOSED WORK

STAGE 8A:

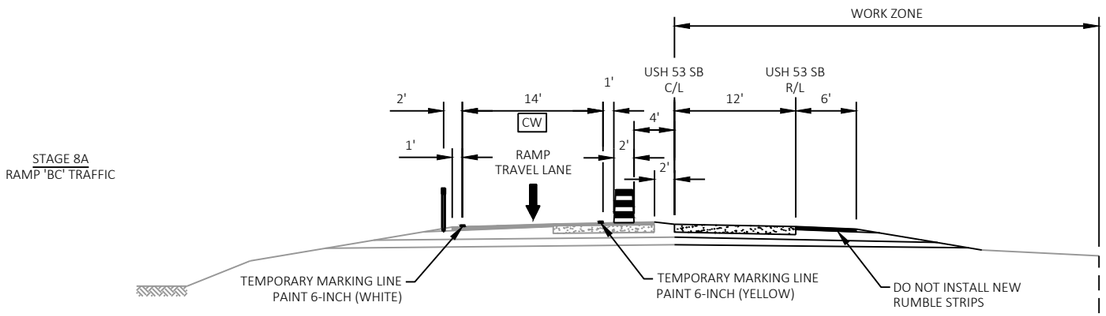
USH 53 SB (NORTH PORTION) - CONSTRUCT PROPOSED ROADWAY, TEMPORARY RAMP CROSSOVERS, AND PASSING LANE NEAR CTH B EXIT.

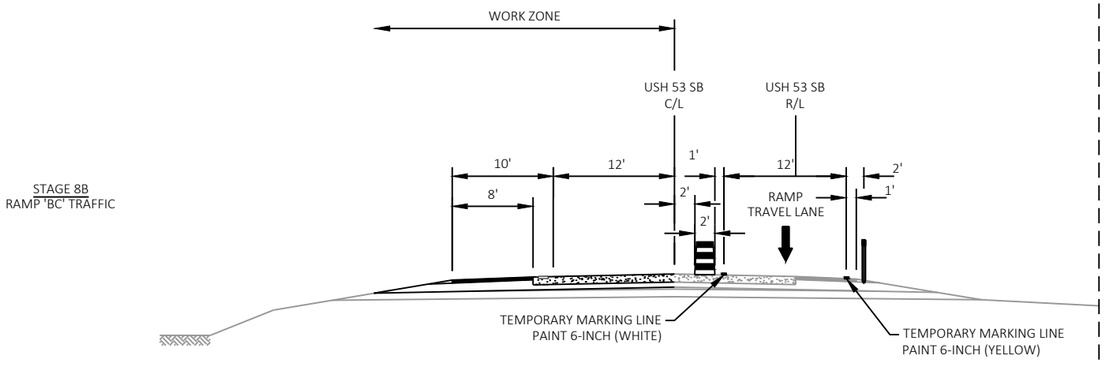
STAGE 8B:

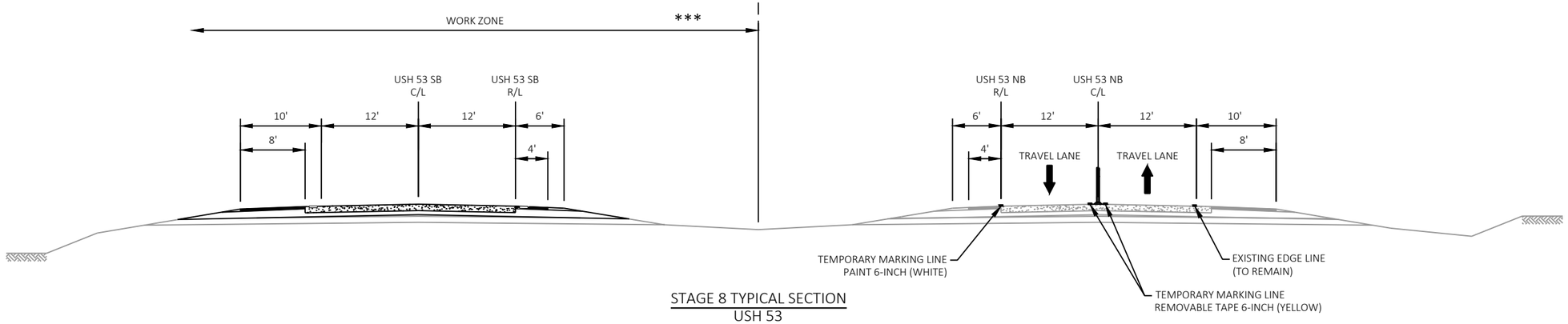
USH 53 SB (NORTH PORTION) - CONSTRUCT DRIVING LANE NEAR CTH B EXIT.



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 8 OVERVIEW	SHEET 182	E







STAGE 8 TYPICAL SECTION
USH 53
NORTH PORTION

LEGEND

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- TRAFFIC CONTROL FLOW ARROW
- DELINEATOR TEMPORARY

NOTES

*** SEE TRAFFIC CONTROL - CROSSOVER PLAN SHEETS FOR TEMPORARY USH 53 AND RAMP CROSSOVER PAVEMENT STRUCTURE AND ADDITIONAL INFORMATION

CW MAINTAIN 16' MINIMUM CLEAR WIDTH FOR RAMP TRAFFIC.

MARK IN ULTIMATE LOCATION AS FOLLOWS:
DRIVING LANE EDGE LINE - MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE)
PASSING LANE EDGE LINE - MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW)
CENTER LINE / LANE LINE - MARKING LINE GROOVED PERMANENT TAPE 6-INCH (WHITE 12.5' SKIPS) AND MARKING LINE EPOXY 6-INCH (BLACK 12.5' SKIPS)

AFTER STAGE COMPLETION MARK AS FOLLOWS:
DRIVING LANE EDGE LINE - EXISTING TO REMAIN
PASSING LANE EDGE LINE - TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
CENTER LINE / LANE LINE - REMOVE TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW) AND INSTALL TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE 12.5' SKIPS)

TEMPORARY MARKING TO BE REMOVED DURING GROOVING OPERATIONS OF PERMANENT MARKING IN FUTURE STAGES.

2

LEGEND

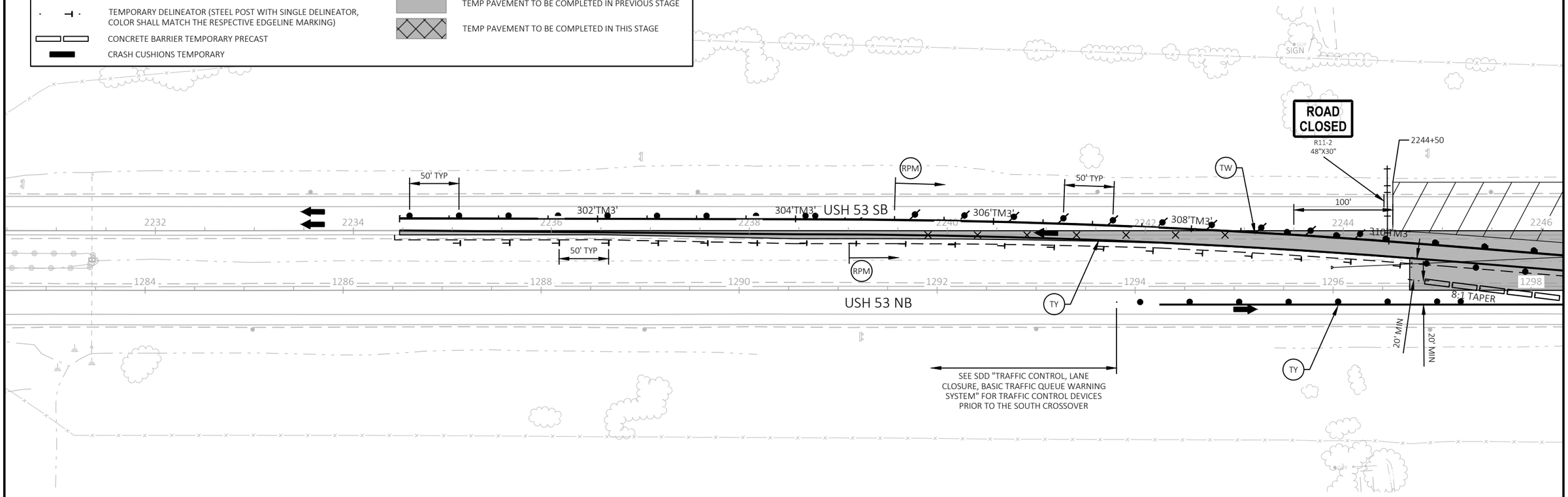
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL SIGN
- DELINEATOR FLEXIBLE / TUBULAR MARKER
- TEMPORARY DELINEATOR (STEEL POST WITH SINGLE DELINEATOR, COLOR SHALL MATCH THE RESPECTIVE EDGELINE MARKING)
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- MARKING REMOVAL LINE
- (TW) TEMPORARY MARKING LINE 6-INCH (WHITE)
- (TY) TEMPORARY MARKING LINE 6-INCH (YELLOW)
- (TDY) TEMPORARY MARKING LINE 6-INCH (DOUBLE YELLOW)
- (T10) TEMPORARY MARKING LINE 10-INCH (WHITE)
- (RPM) TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE1
- TEMP PAVEMENT TO BE COMPLETED IN PREVIOUS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE

NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION

N



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 8A - DETAIL - TEMP CROSSOVER - MID PROJECT - 3	SHEET 184	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025108-TC.DWG
LAYOUT NAME - 03

PLOT DATE : 6/21/2023 1:55 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

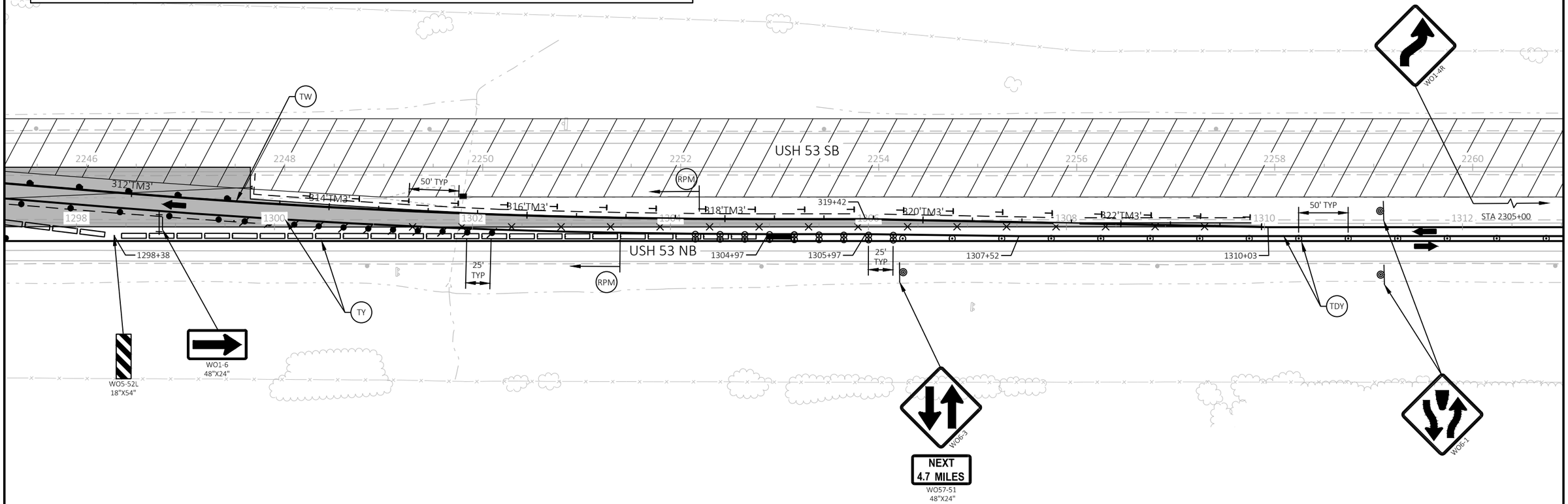
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL SIGN
- DELINEATOR FLEXIBLE / TUBULAR MARKER
- TEMPORARY DELINEATOR (STEEL POST WITH SINGLE DELINEATOR, COLOR SHALL MATCH THE RESPECTIVE EDGELINE MARKING)
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- MARKING REMOVAL LINE
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- RPM — TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE1
- TEMP PAVEMENT TO BE COMPLETED IN PREVIOUS STAGE
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NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION

N



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 8A - DETAIL - TEMP CROSSOVER - MID PROJECT - 3	SHEET 185	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025108-TC.DWG
LAYOUT NAME - 04

PLOT DATE : 6/21/2023 1:56 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

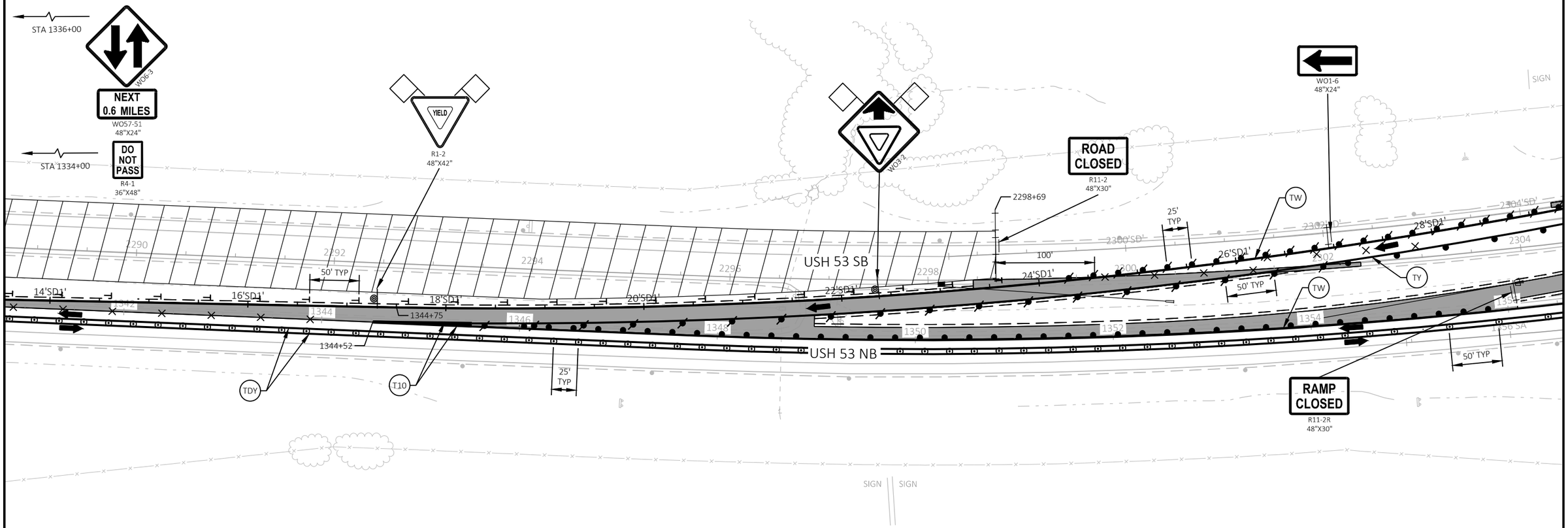
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL SIGN
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- RPM — TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE1
- TEMP PAVEMENT TO BE COMPLETED IN PREVIOUS STAGE
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SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT", "TRAFFIC CONTROL, TEMPORARY ENTRANCE RAMP CROSSOVER" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION

N



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 8A - DETAIL - TEMP ENTRANCE RAMP - CTH S	SHEET 186	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025108-TC.DWG
LAYOUT NAME - 07

PLOT DATE : 6/21/2023 1:56 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

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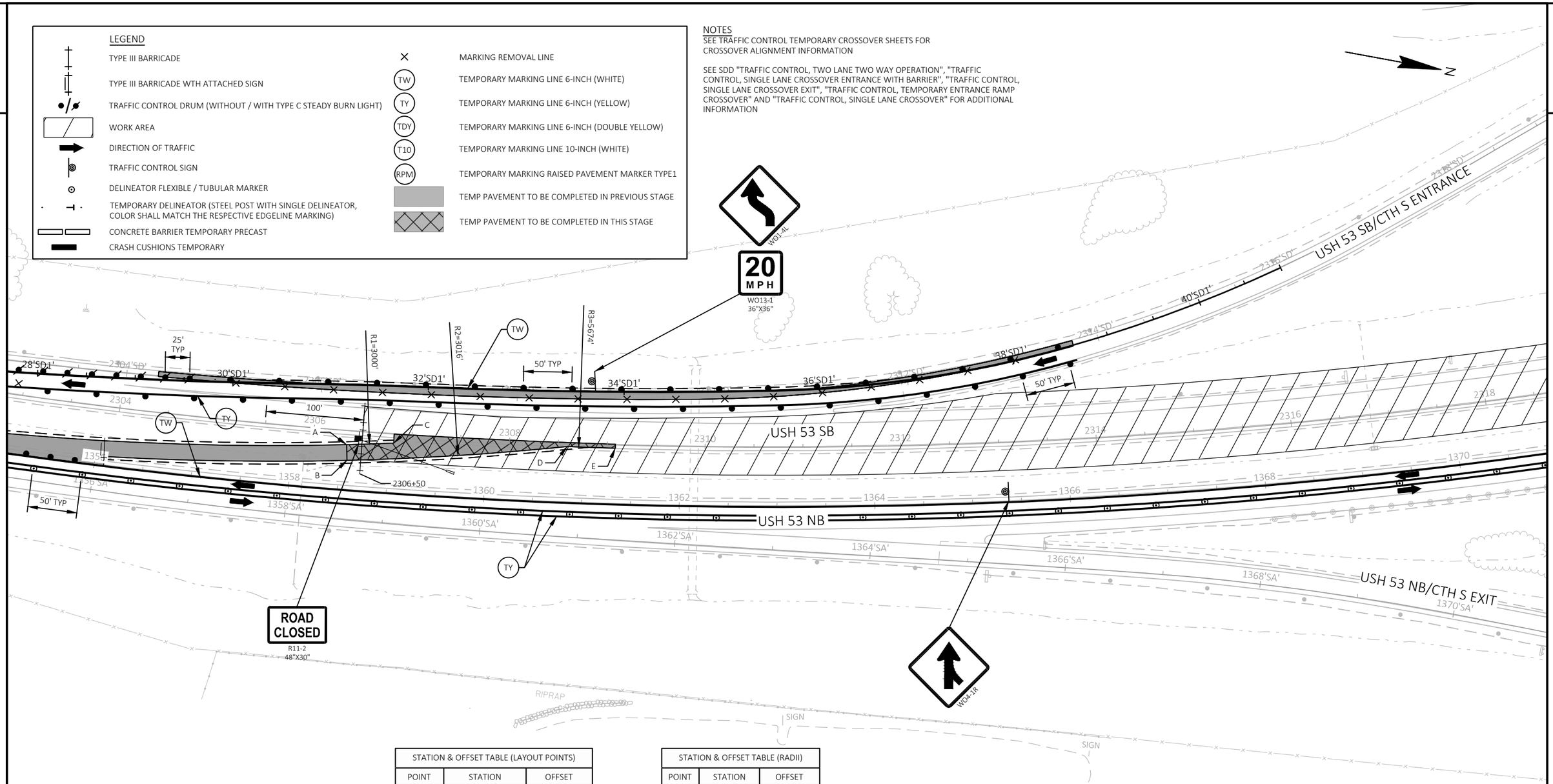
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL SIGN
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- TEMPORARY DELINEATOR (STEEL POST WITH SINGLE DELINEATOR, COLOR SHALL MATCH THE RESPECTIVE EDGELINE MARKING)
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SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT", "TRAFFIC CONTROL, TEMPORARY ENTRANCE RAMP CROSSOVER" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION



STATION & OFFSET TABLE (LAYOUT POINTS)		
POINT	STATION	OFFSET
A	1358+55.87	46.04, LT
B	1358+57.52	30.12, LT
C	1359+04.18	51.16, LT
D	1360+83.00	57.13, LT
E	1361+32.96	57.15, LT

STATION & OFFSET TABLE (RADII)		
POINT	STATION	OFFSET
R1	1352+01.95	3012.53, LT
R2	1352+01.95	3012.53, LT
R3	1347+64.97	5729.58, LT

2

2

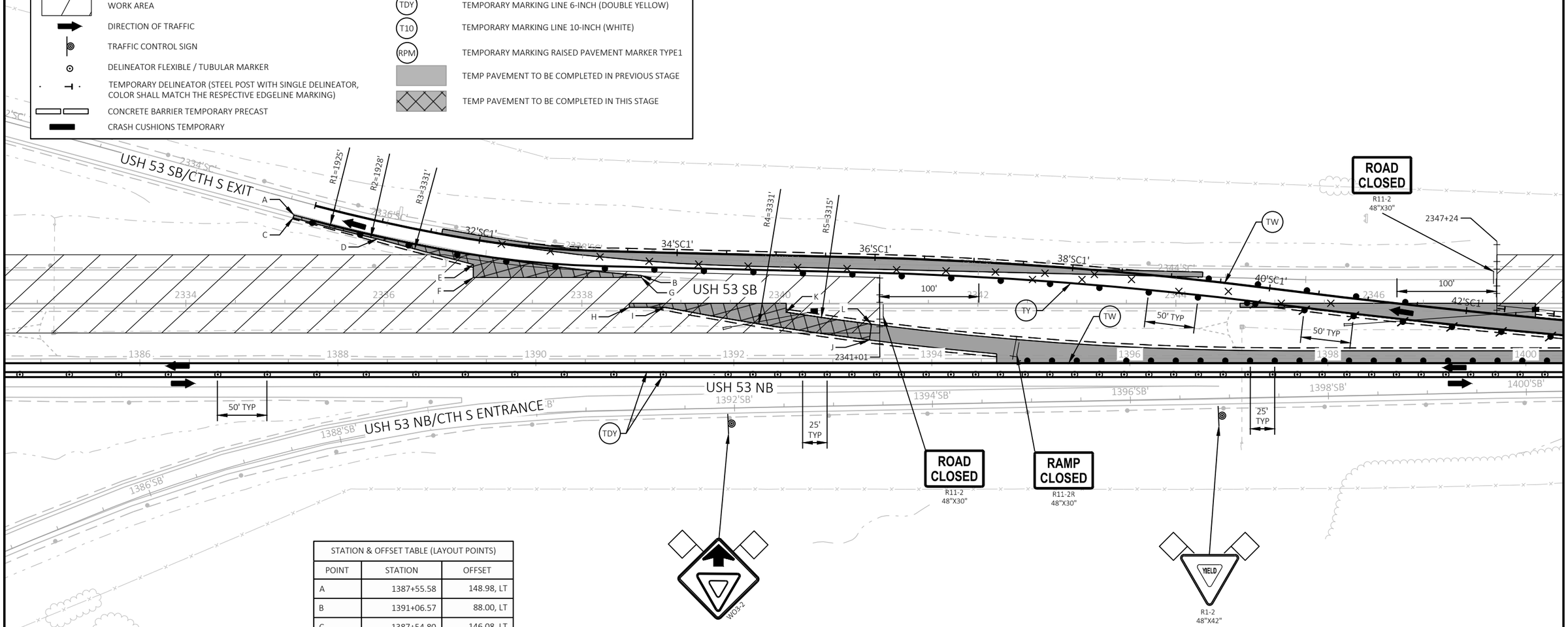
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
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NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT", "TRAFFIC CONTROL, TEMPORARY EXIT RAMP CROSSOVER" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION



STATION & OFFSET TABLE (LAYOUT POINTS)		
POINT	STATION	OFFSET
A	1387+55.58	148.98, LT
B	1391+06.57	88.00, LT
C	1387+54.80	146.08, LT
D	1388+40.05	125.05, LT
E	1389+36.77	99.22, LT
F	1389+36.77	86.00, LT
G	1391+06.57	86.00, LT
H	1390+94.55	56.00, LT
I	1391+30.19	56.00, LT
J	1393+36.95	22.92, LT
K	1392+52.80	50.97, LT
L	1393+38.98	38.79, LT

STATION & OFFSET TABLE (RADII)		
POINT	STATION	OFFSET
R1	1392+59.12	2006.81, LT
R2	1392+59.12	2006.81, LT
R3	1397+59.57	3327.00, LT
R4	1397+59.57	3327.00, LT
R5	1397+59.57	3327.00, LT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 8A - DETAIL - TEMP EXIT RAMP - CTH S	SHEET 188	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025108-TC.DWG
LAYOUT NAME - 09

PLOT DATE : 6/21/2023 1:57 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

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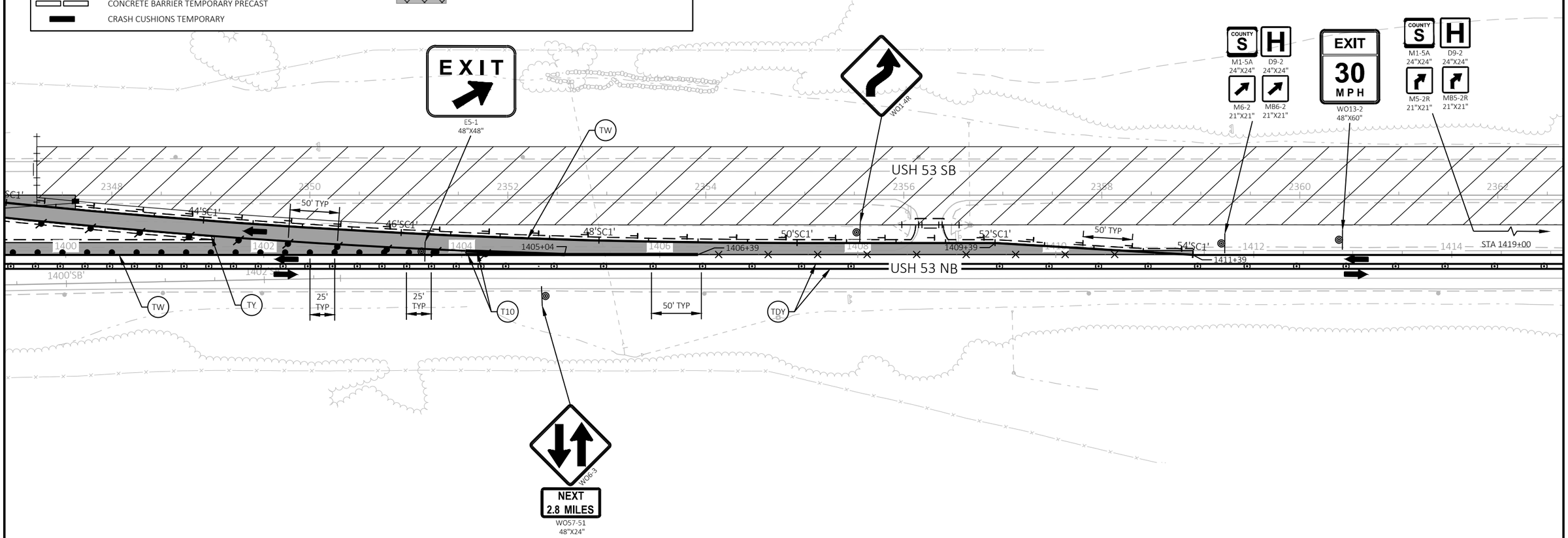
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
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- RPM — TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE1
- TEMP PAVEMENT TO BE COMPLETED IN PREVIOUS STAGE
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NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT", "TRAFFIC CONTROL, TEMPORARY EXIT RAMP CROSSOVER" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 8A - DETAIL - TEMP EXIT RAMP - CTH S	SHEET 189	E

2

LEGEND

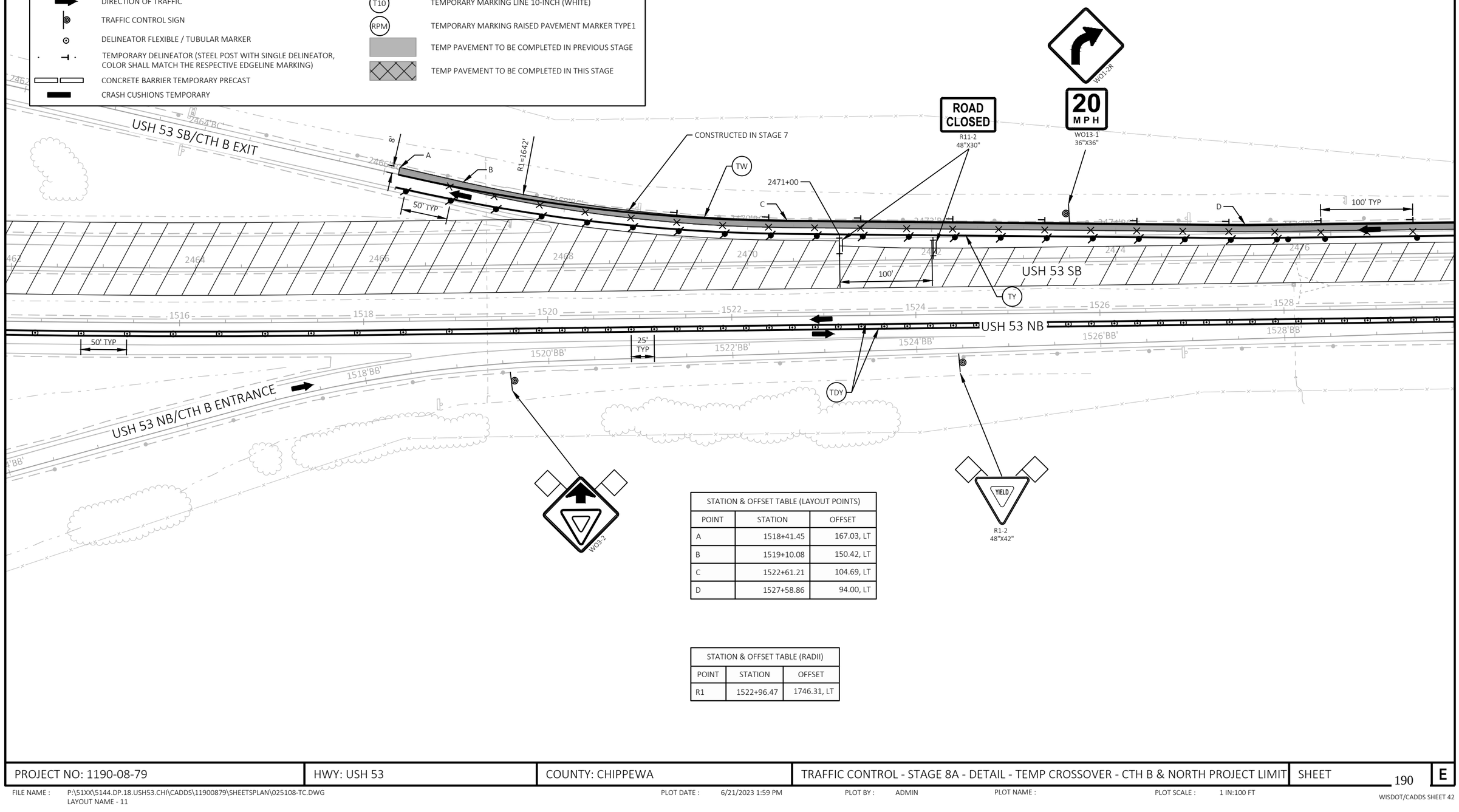
- TYPE III BARRICADE
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NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION

N



STATION & OFFSET TABLE (LAYOUT POINTS)		
POINT	STATION	OFFSET
A	1518+41.45	167.03, LT
B	1519+10.08	150.42, LT
C	1522+61.21	104.69, LT
D	1527+58.86	94.00, LT

STATION & OFFSET TABLE (RADII)		
POINT	STATION	OFFSET
R1	1522+96.47	1746.31, LT

2

2

LEGEND

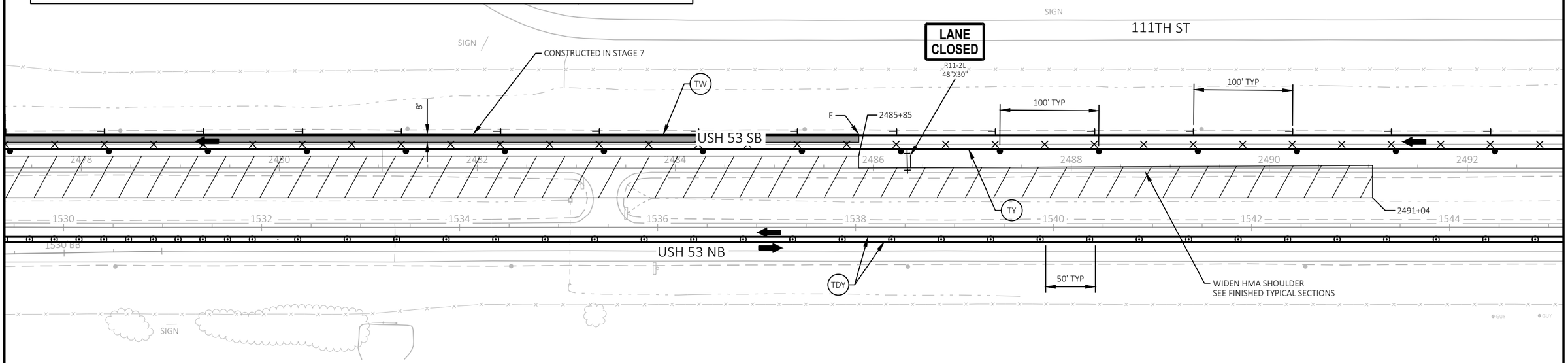
- TYPE III BARRICADE
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SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION

N



STATION & OFFSET TABLE (LAYOUT POINTS)		
POINT	STATION	OFFSET
E	1538+03.20	94.00, LT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 8A - DETAIL - TEMP CROSSOVER - CTH B & NORTH PROJECT LIMIT	SHEET 191	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025108-TC.DWG
LAYOUT NAME - 12

PLOT DATE : 6/21/2023 1:59 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

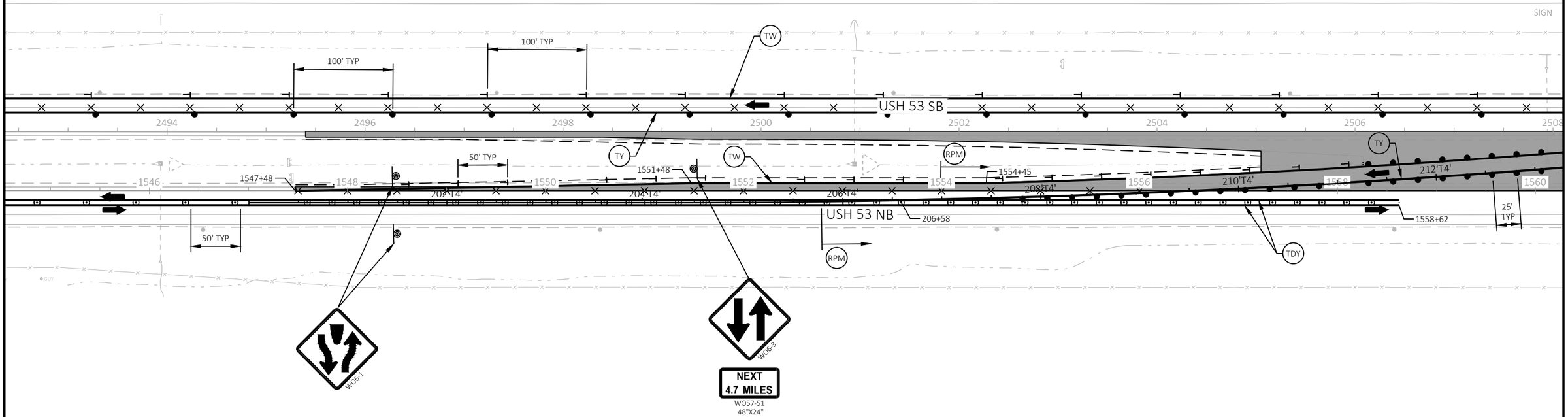
- TYPE III BARRICADE
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NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION

N



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 8A - DETAIL - TEMP CROSSOVER - CTH B & NORTH PROJECT LIMIT	SHEET 192	E

2

LEGEND

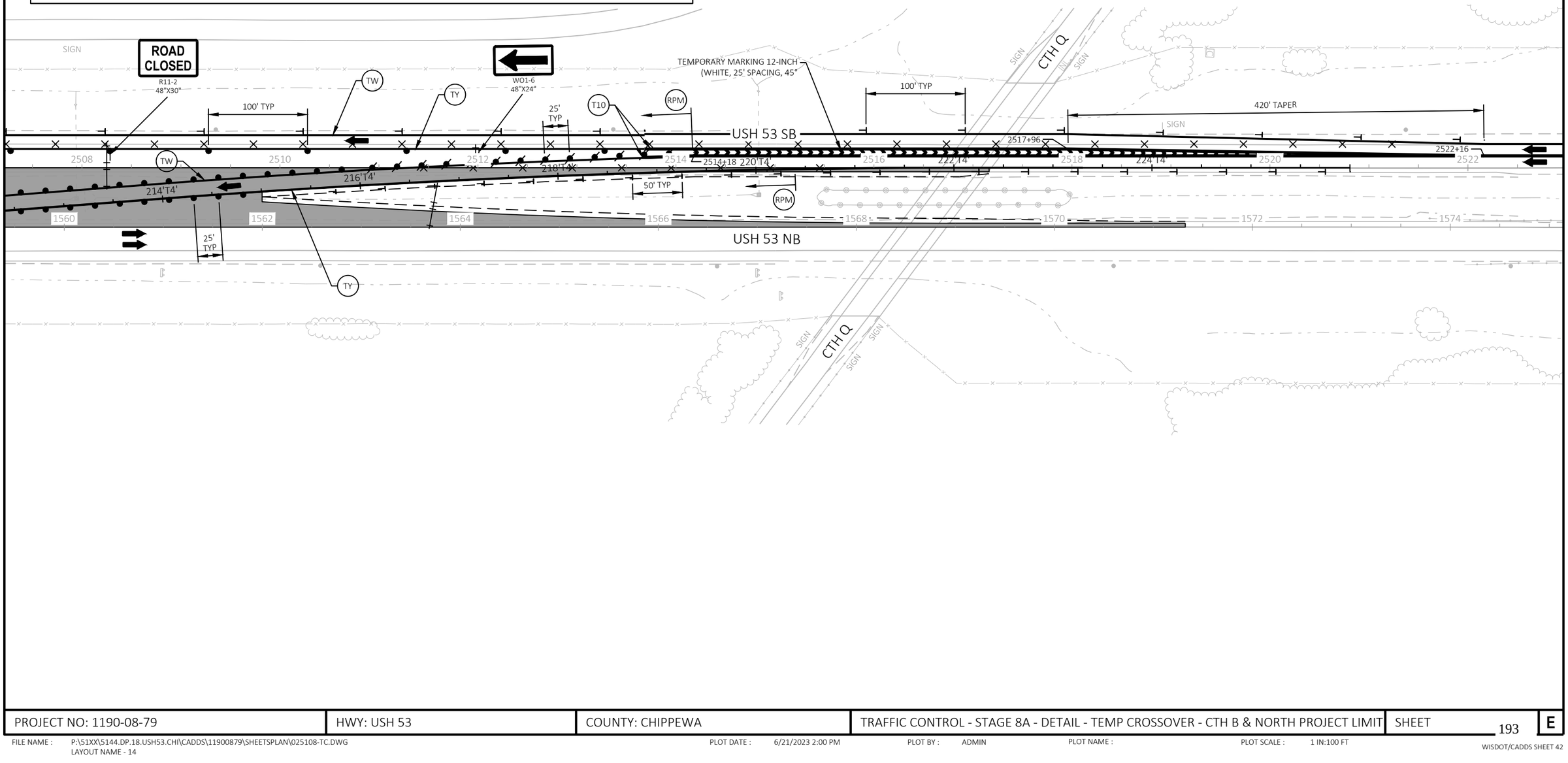
- TYPE III BARRICADE
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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 8A - DETAIL - TEMP CROSSOVER - CTH B & NORTH PROJECT LIMIT	SHEET 193	E

2

LEGEND

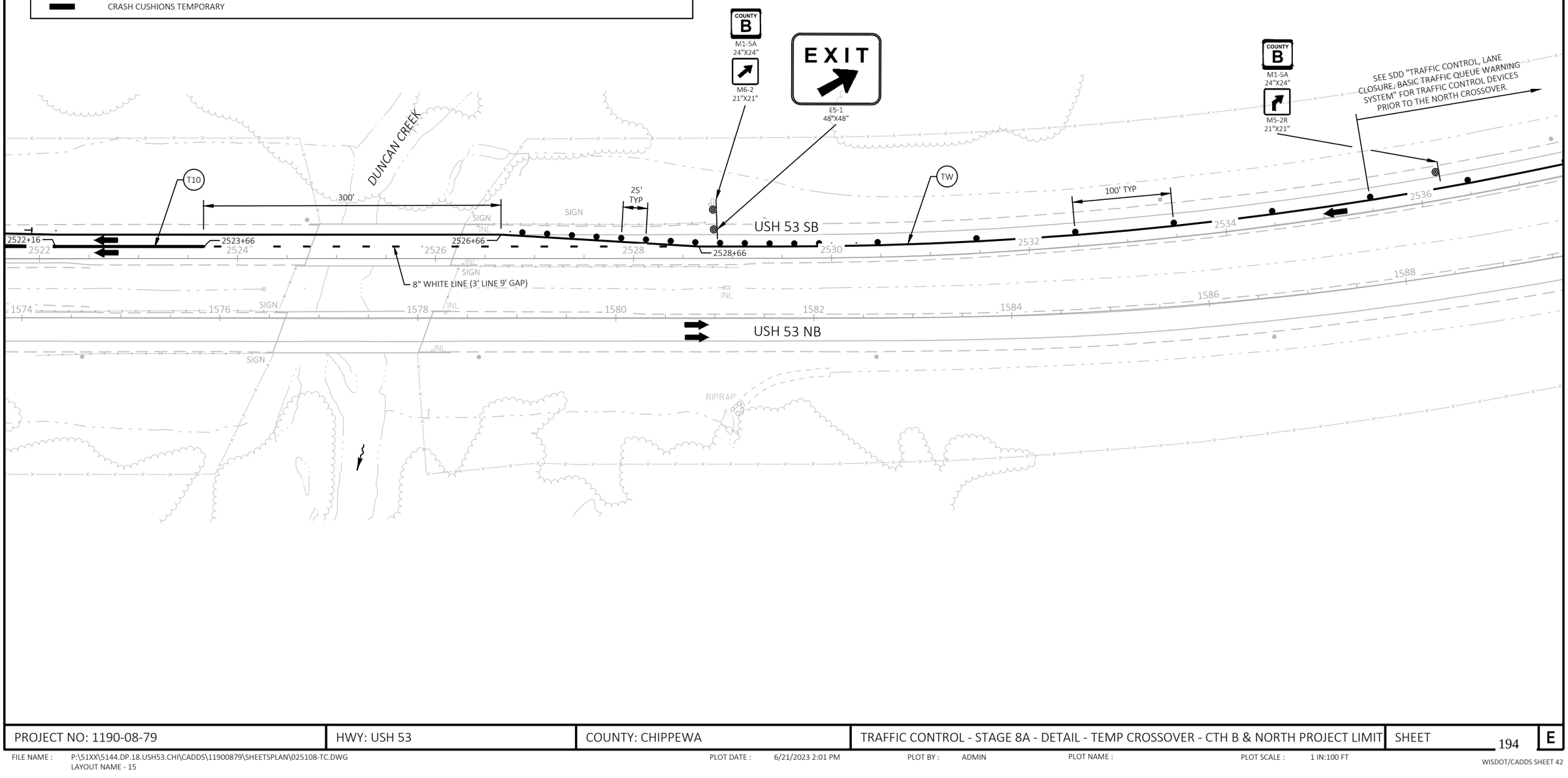
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SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 8A - DETAIL - TEMP CROSSOVER - CTH B & NORTH PROJECT LIMIT	SHEET 194	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025108-TC.DWG
LAYOUT NAME - 15

PLOT DATE : 6/21/2023 2:01 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

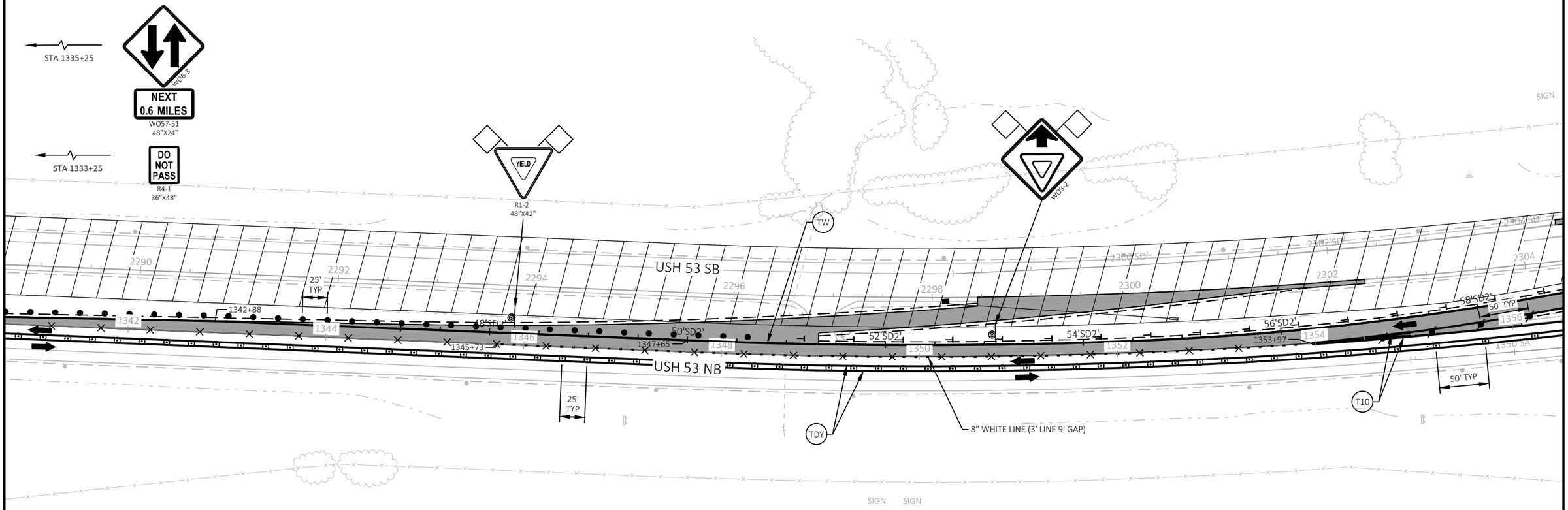
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- WORK AREA
- DIRECTION OF TRAFFIC
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- DELINEATOR FLEXIBLE / TUBULAR MARKER
- TEMPORARY DELINEATOR - WHITE (STEEL POST WITH SINGLE DELINEATOR, COLOR SHALL MATCH THE RESPECTIVE EDGELINE MARKING)
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- CRASH CUSHIONS TEMPORARY
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NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT", "TRAFFIC CONTROL, TEMPORARY ENTRANCE RAMP CROSSOVER" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION

N



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 8B - DETAIL - TEMP ENTRANCE RAMP - CTH S	SHEET 195	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025110-TC.DWG
LAYOUT NAME - 07

PLOT DATE : 6/21/2023 2:07 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL SIGN
- DELINEATOR FLEXIBLE / TUBULAR MARKER
- TEMPORARY DELINEATOR - WHITE (STEEL POST WITH SINGLE DELINEATOR, COLOR SHALL MATCH THE RESPECTIVE EDGELINE MARKING)
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- MARKING REMOVAL LINE
- TW — TEMPORARY MARKING LINE 6-INCH (WHITE)
- TY — TEMPORARY MARKING LINE 6-INCH (YELLOW)
- TDY — TEMPORARY MARKING LINE 6-INCH (DOUBLE YELLOW)
- T10 — TEMPORARY MARKING LINE 10-INCH (WHITE)
- TEMP PAVEMENT TO BE COMPLETED IN PREVIOUS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE

NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT", "TRAFFIC CONTROL, TEMPORARY ENTRANCE RAMP CROSSOVER" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION

N

WO1-4L

20 MPH
WO13-1
36"X36"

ROAD CLOSED
R11-2
48"X30"

USH 53 SB/CTH S ENTRANCE

2306+60

2307+76

2311+50

100'

50' TYP

25' TYP

USH 53 SB

USH 53 NB

58'SD2'

60'SD2'

62'SD2'

64'SD2'

66'SD2'

68'SD2'

70'SD2'

2304'SD'

2305'SD'

2314'SD'

2315'SD'

2316'SD'

2304

2306

2308

2310

2312

2314

2316

2318

1356

1358

1360

1362

1364

1366

1368

1370

1356'SA'

1358'SA'

1360'SA'

1362'SA'

1364'SA'

1366'SA'

1368'SA'

1370'SA'

TW

TY

TDY

ROAD CLOSED
R11-2
48"X30"

WO4-1R

USH 53 NB/CTH S EXIT

RIPRAP

SIGN

SIGN

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 8B - DETAIL - TEMP ENTRANCE RAMP - CTH S	SHEET 196	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025110-TC.DWG
LAYOUT NAME - 08

PLOT DATE : 6/21/2023 2:08 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

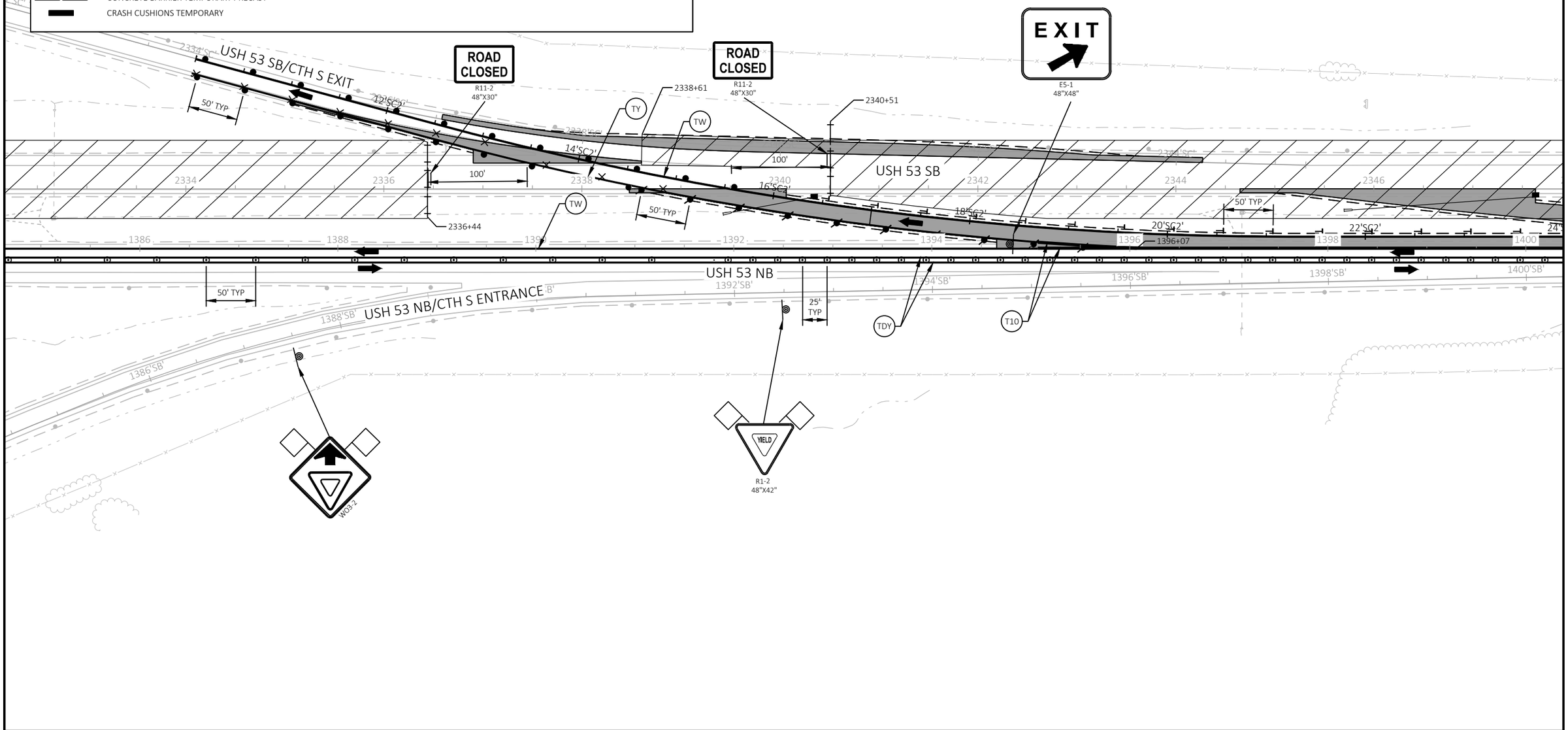
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL SIGN
- DELINEATOR FLEXIBLE / TUBULAR MARKER
- TEMPORARY DELINEATOR - WHITE (STEEL POST WITH SINGLE DELINEATOR, COLOR SHALL MATCH THE RESPECTIVE EDGELINE MARKING)
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- MARKING REMOVAL LINE
- TW — TEMPORARY MARKING LINE 6-INCH (WHITE)
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- TDY — TEMPORARY MARKING LINE 6-INCH (DOUBLE YELLOW)
- T10 — TEMPORARY MARKING LINE 10-INCH (WHITE)
- TEMP PAVEMENT TO BE COMPLETED IN PREVIOUS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE

NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT", "TRAFFIC CONTROL, TEMPORARY EXIT RAMP CROSSOVER" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 8B - DETAIL - TEMP EXIT RAMP - CTH S	SHEET 197	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025110-TC.DWG
LAYOUT NAME - 09

PLOT DATE : 6/21/2023 2:08 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

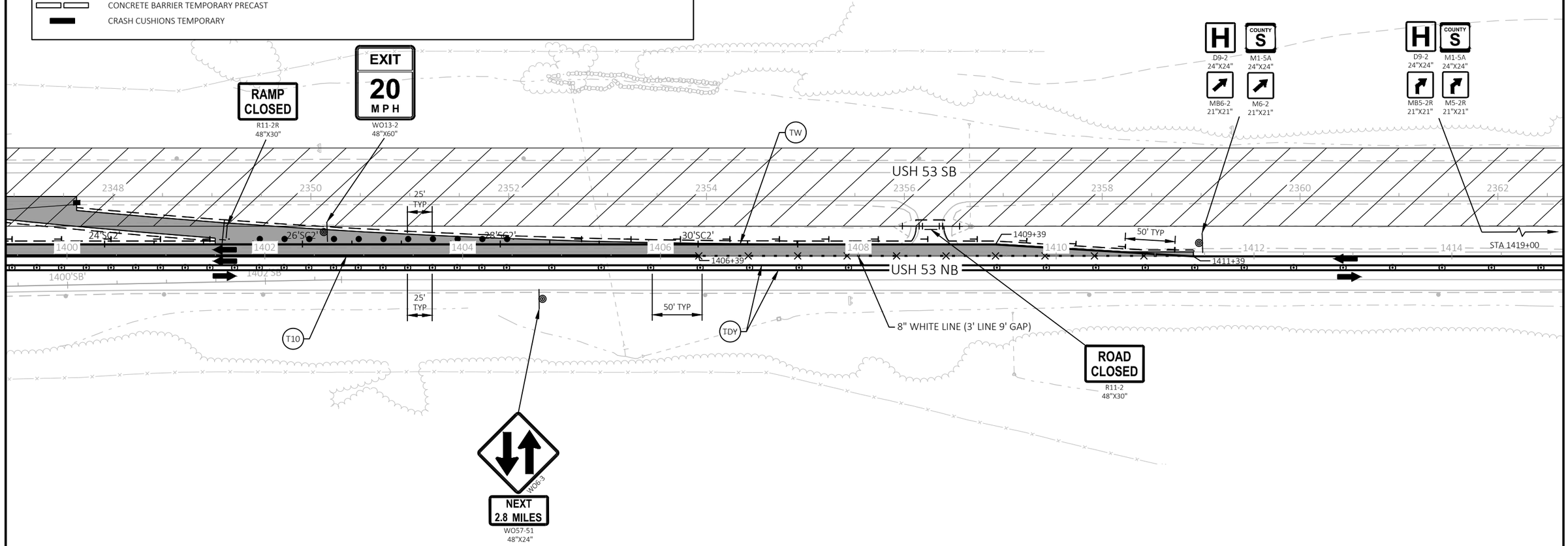
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL SIGN
- DELINEATOR FLEXIBLE / TUBULAR MARKER
- TEMPORARY DELINEATOR - WHITE (STEEL POST WITH SINGLE DELINEATOR, COLOR SHALL MATCH THE RESPECTIVE EDGELINE MARKING)
- CONCRETE BARRIER TEMPORARY PRECAST
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- TDY — TEMPORARY MARKING LINE 6-INCH (DOUBLE YELLOW)
- T10 — TEMPORARY MARKING LINE 10-INCH (WHITE)
- TEMP PAVEMENT TO BE COMPLETED IN PREVIOUS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE

NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT", "TRAFFIC CONTROL, TEMPORARY EXIT RAMP CROSSOVER" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 8B - DETAIL - TEMP EXIT RAMP - CTH S	SHEET 198	E

2

2

LEGEND

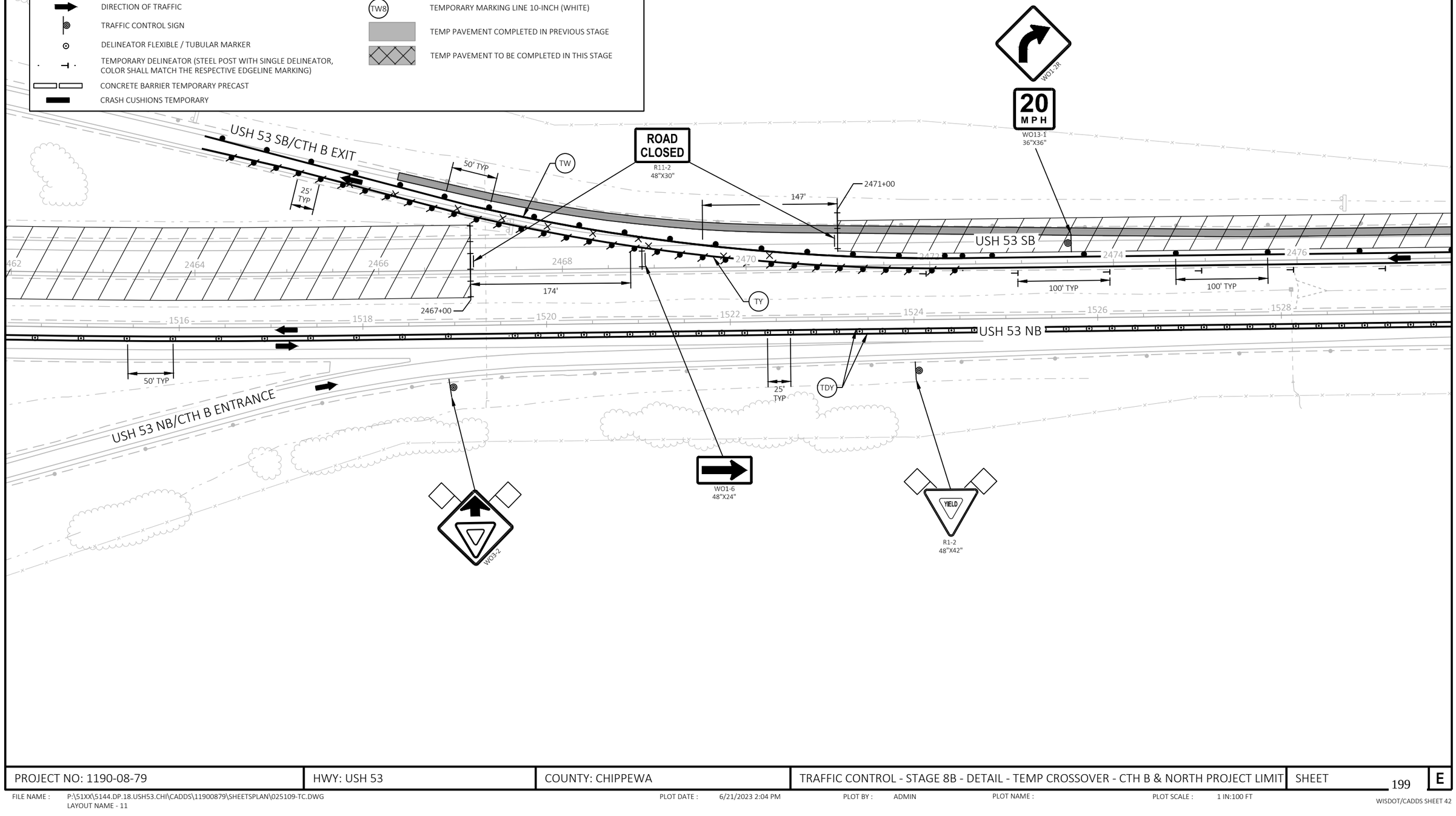
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL SIGN
- DELINEATOR FLEXIBLE / TUBULAR MARKER
- TEMPORARY DELINEATOR (STEEL POST WITH SINGLE DELINEATOR, COLOR SHALL MATCH THE RESPECTIVE EDGELINE MARKING)
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- CRASH CUSHIONS TEMPORARY
- MARKING REMOVAL LINE
- TW — TEMPORARY MARKING LINE 6-INCH (WHITE)
- TY — TEMPORARY MARKING LINE 6-INCH (YELLOW)
- TDY — TEMPORARY MARKING LINE 6-INCH (DOUBLE YELLOW)
- TW8 — TEMPORARY MARKING LINE 10-INCH (WHITE)
- TEMP PAVEMENT COMPLETED IN PREVIOUS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE

NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION

N



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 8B - DETAIL - TEMP CROSSOVER - CTH B & NORTH PROJECT LIMIT	SHEET 199	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025109-TC.DWG
LAYOUT NAME - 11

PLOT DATE : 6/21/2023 2:04 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

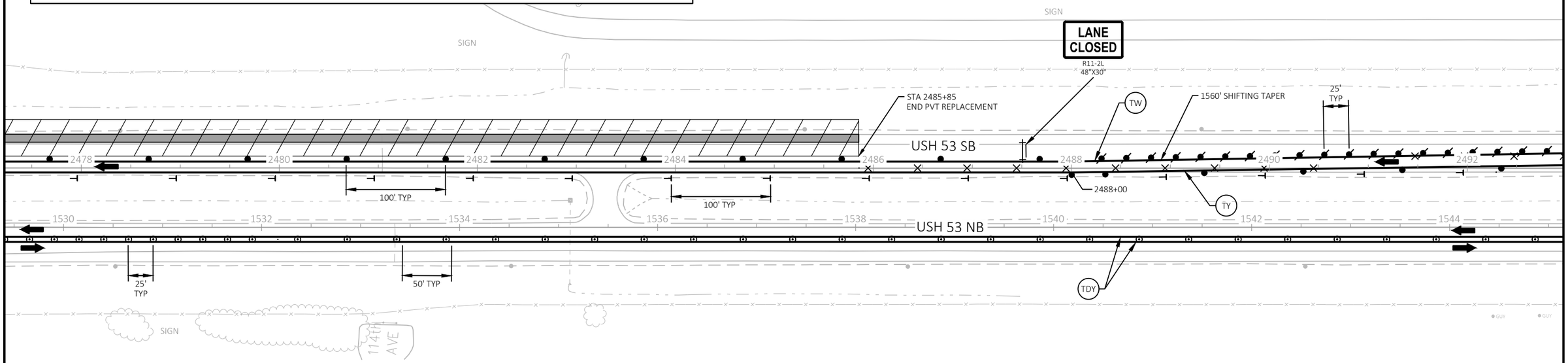
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL SIGN
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- TDY — TEMPORARY MARKING LINE 6-INCH (DOUBLE YELLOW)
- TW8 — TEMPORARY MARKING LINE 10-INCH (WHITE)
- TEMP PAVEMENT COMPLETED IN PREVIOUS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE

NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION

N



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 8B - DETAIL - TEMP CROSSOVER - CTH B & NORTH PROJECT LIMIT	SHEET 200	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025109-TC.DWG
LAYOUT NAME - 12

PLOT DATE : 6/21/2023 2:05 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

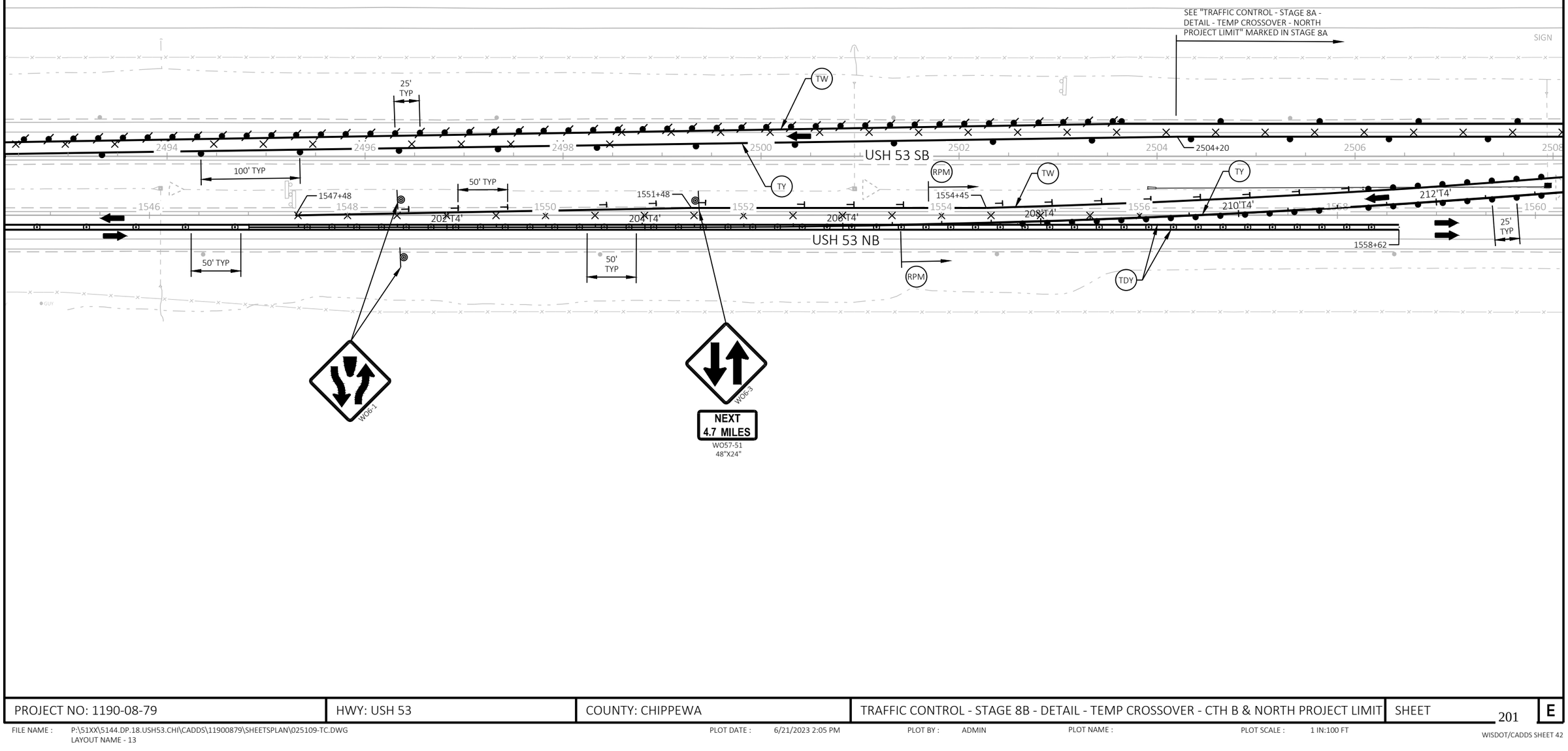
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL SIGN
- DELINEATOR FLEXIBLE / TUBULAR MARKER
- TEMPORARY DELINEATOR (STEEL POST WITH SINGLE DELINEATOR, COLOR SHALL MATCH THE RESPECTIVE EDGELINE MARKING)
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- TW8 — TEMPORARY MARKING LINE 10-INCH (WHITE)
- TEMP PAVEMENT COMPLETED IN PREVIOUS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE

NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION

N



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 8B - DETAIL - TEMP CROSSOVER - CTH B & NORTH PROJECT LIMIT	SHEET 201	E

2

LEGEND

PROPOSED CONSTRUCTION

REMOVAL OF TEMPORARY CROSSOVER OR TEMPORARY WIDENING

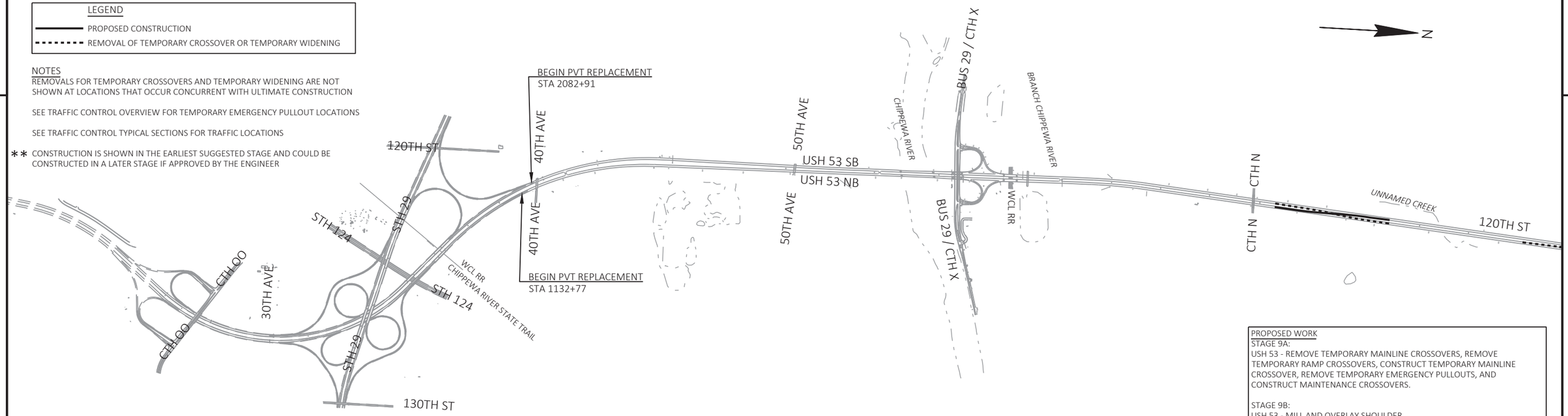
NOTES

REMOVALS FOR TEMPORARY CROSSOVERS AND TEMPORARY WIDENING ARE NOT SHOWN AT LOCATIONS THAT OCCUR CONCURRENT WITH ULTIMATE CONSTRUCTION

SEE TRAFFIC CONTROL OVERVIEW FOR TEMPORARY EMERGENCY PULLOUT LOCATIONS

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC LOCATIONS

** CONSTRUCTION IS SHOWN IN THE EARLIEST SUGGESTED STAGE AND COULD BE CONSTRUCTED IN A LATER STAGE IF APPROVED BY THE ENGINEER



PROPOSED WORK

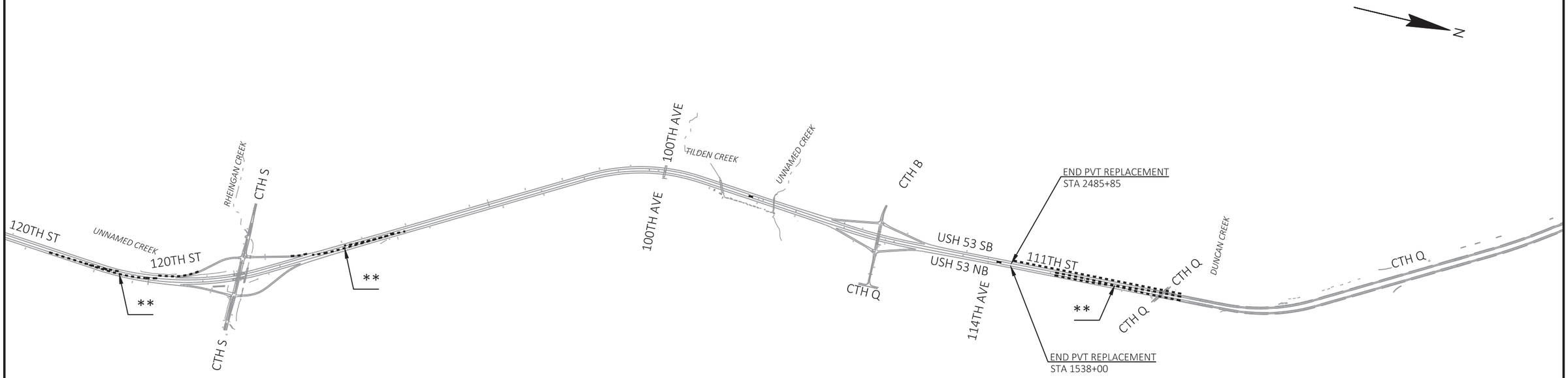
STAGE 9A:

USH 53 - REMOVE TEMPORARY MAINLINE CROSSOVERS, REMOVE TEMPORARY RAMP CROSSOVERS, CONSTRUCT TEMPORARY MAINLINE CROSSOVER, REMOVE TEMPORARY EMERGENCY PULLOUTS, AND CONSTRUCT MAINTENANCE CROSSOVERS.

STAGE 9B:

USH 53 - MILL AND OVERLAY SHOULDER.

CTH S RAMPS - REMOVE TEMPORARY RAMP CROSSOVERS AND INSTALL PERMANENT RAMP GORE PAVEMENT AND REMAINING RAMP SHOULDER.



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 9 OVERVIEW	SHEET 202	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025001-TC.DWG
LAYOUT NAME - 09-1

PLOT DATE : 7/14/2021 12:07 PM PLOT BY : ERIK OLESON PLOT NAME : PLOT SCALE : 1 IN:2000 FT

WISDOT/CADDS SHEET 44

2

LEGEND

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER

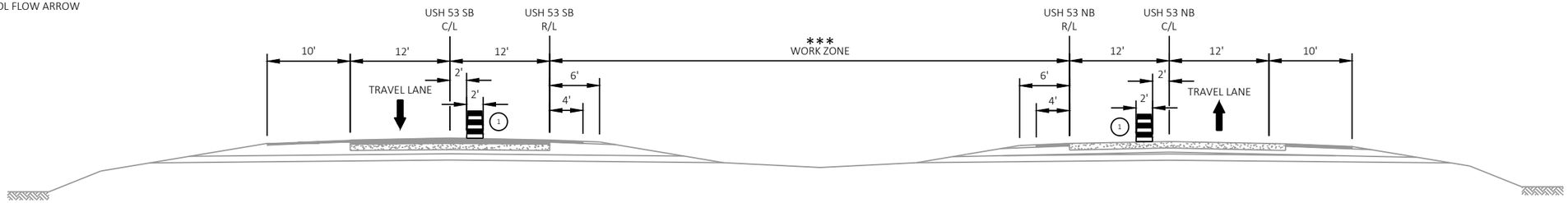
(1) DRUM LOCATION SHOWN FOR AREAS NOT IMMEDIATELY ADJACENT TO CONSTRUCTION ACTIVITIES, DRUMS MAY BE SHIFTED TO LANE LINE ONLY IN AREAS WITH CONSTRUCTION ACTIVITIES AS APPROVED BY THE ENGINEER DURING ALLOWABLE HOURS

TRAFFIC CONTROL FLOW ARROW

NOTES

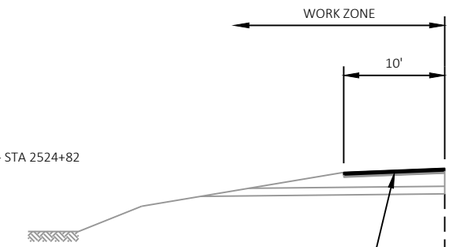
*** SEE TRAFFIC CONTROL - CROSSOVER PLAN SHEETS FOR TEMPORARY USH 53 AND RAMP CROSSOVER PAVEMENT STRUCTURE AND ADDITIONAL INFORMATION

SEE STAGE OVERVIEW SHEETS FOR ROADWAY AND RAMP CLOSURES. ROADWAYS NOT SHOWN IN TRAFFIC CONTROL TYPICAL SECTIONS ARE ON NORMAL TRAVEL LANES.



STAGE 9A TYPICAL SECTION
USH 53

STA 2485+85 - STA 2524+82





STAGE 9B TYPICAL SECTION
USH 53

NEAR CTH S INTERCHANGE
NORTH OF PAVEMENT REPLACEMENT LIMITS

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - TYPICAL SECTIONS - USH 53	SHEET 203	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025002-TC.DWG
LAYOUT NAME - 09-1
PLOT DATE : 6/21/2023 1:26 PM
PLOT BY : ADMIN
PLOT NAME :
PLOT SCALE : 1 IN:15 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- TRAFFIC CONTROL SIGN
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMP PAVEMENT TO BE COMPLETED IN PREVIOUS STAGES
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN FUTURE STAGES
- SURFACE WATER FLOW DIRECTION

NOTES

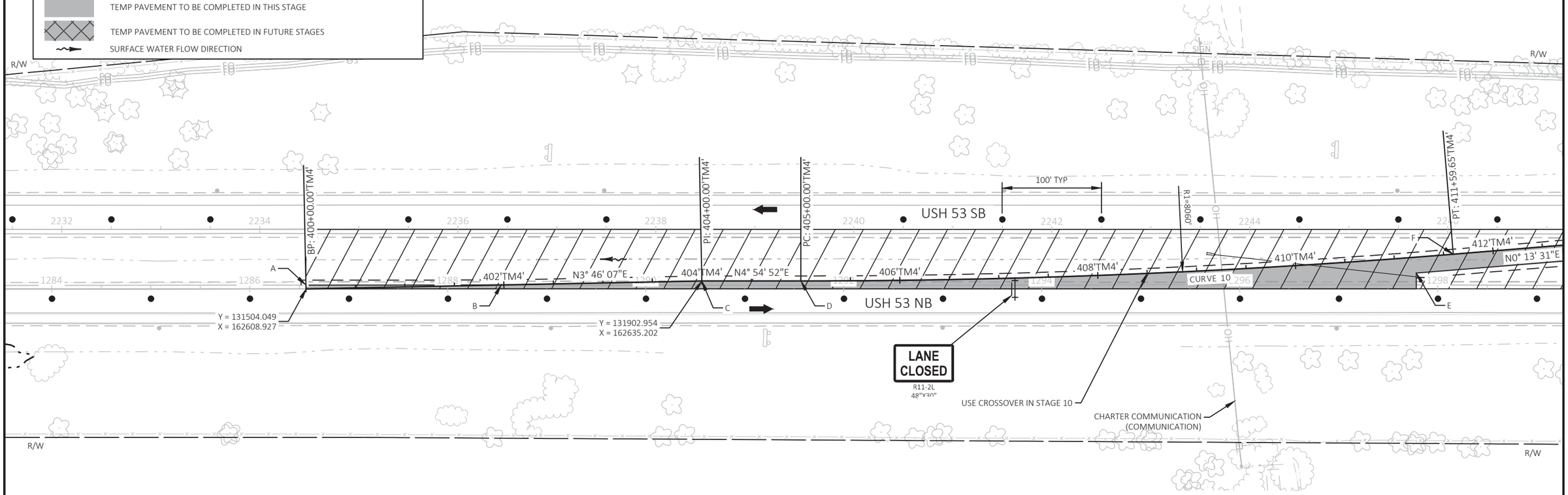
TEMPORARY CROSSOVER PAVEMENT STRUCTURE IS 5.5" ASPHALTIC SURFACE TEMPORARY OVER 10" BASE AGGREGATE DENSE 1 1/4 -INCH

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC IN STAGE LOCATION DETAILS

SEE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" FOR ADDITIONAL DEVICES AND INFORMATION

CURVE NO. 10 'TM4'
PI STA = 408+30.01
Y = 132331.38
X = 162672.04
PC STA = 405+00.00
Y=132002.59
X=162643.77
PT STA = 411+59.65
Y=132661.39
X=162673.34
DELTA = 4°41'21"
D = 0°42'39"
T = 330.01'
L = 659.65'
R = 8060.00'
PROPOSED SE= RC

N



STATION & OFFSET TABLE (LAYOUT POINTS)		
POINT	STATION	OFFSET
A	1286+56.83	3.80, LT
B	1288+54.02	3.94, LT
C	1290+56.75	8.00, LT
D	1291+56.75	8.00, LT
E	1297+78.43	15.92, LT
F	1298+15.67	34.98, LT

STATION & OFFSET TABLE (RADII)		
POINT	STATION	OFFSET
R1	1291+56.75	8068.00, LT

STA 1295+95 - STA 1297+97, LT
TEMPORARY STORM SEWER AND INLET REQ'D, SEE SEC 5 PLAN SHEETS FOR ADDITIONAL INFORMATION

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- TRAFFIC CONTROL SIGN
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMP PAVEMENT TO BE COMPLETED IN PREVIOUS STAGES
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN FUTURE STAGES
- SURFACE WATER FLOW DIRECTION

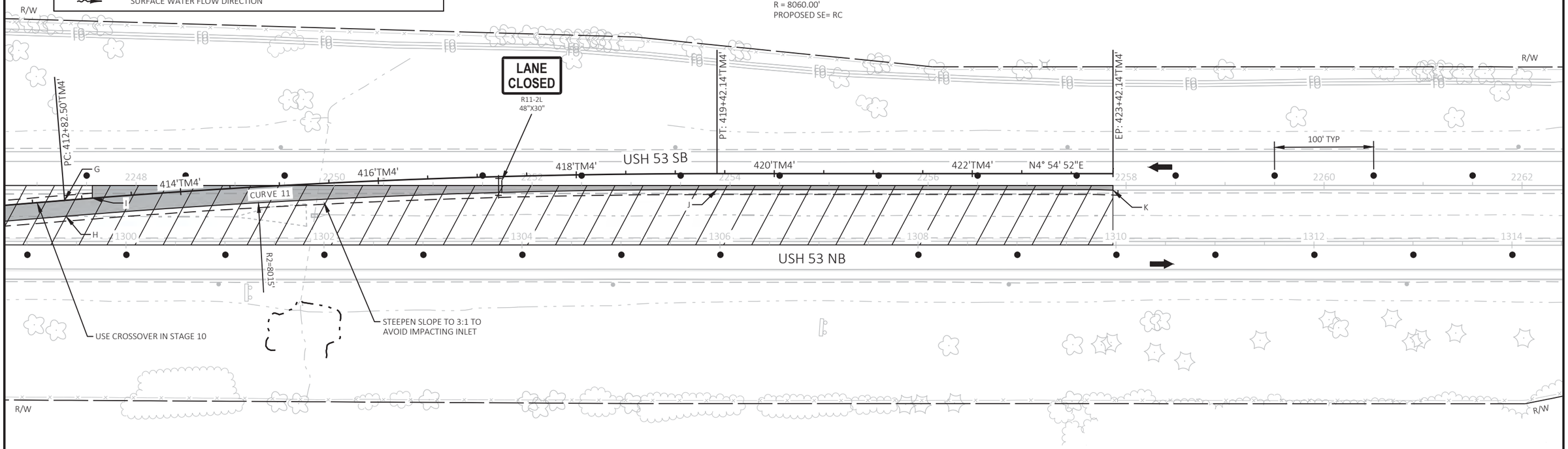
NOTES

TEMPORARY CROSSOVER PAVEMENT STRUCTURE IS 5.5" ASPHALTIC SURFACE TEMPORARY OVER 10" BASE AGGREGATE DENSE 1 1/4 -INCH

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC IN STAGE LOCATION DETAILS

SEE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" FOR ADDITIONAL DEVICES AND INFORMATION

CURVE NO. 11
PI STA = 416+12.50
Y = 133114.24
X = 162675.12
PC STA = 412+82.50
Y=132784.23
X=162673.82
PT STA = 419+42.14
Y=133443.03
X=162703.39
DELTA = 4°41'21"
D = 0°42'39"
T = 330.01'
L = 659.65'
R = 8060.00'
PROPOSED SE= RC



STATION & OFFSET TABLE (LAYOUT POINTS)		
POINT	STATION	OFFSET
G	1299+38.10	45.02, LT
H	1299+39.41	29.03, LT
I	1299+66.06	47.27, LT
J	1305+97.01	56.00, LT
K	1309+97.00	55.39, LT

STATION & OFFSET TABLE (RADII)		
POINT	STATION	OFFSET
R2	1305+96.43	7959.29, RT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 9A - TEMP CROSSOVER - MID PROJECT - 4	SHEET 205	E

2

LEGEND

PROPOSED CONSTRUCTION

REMOVAL OF TEMPORARY CROSSOVER OR TEMPORARY WIDENING

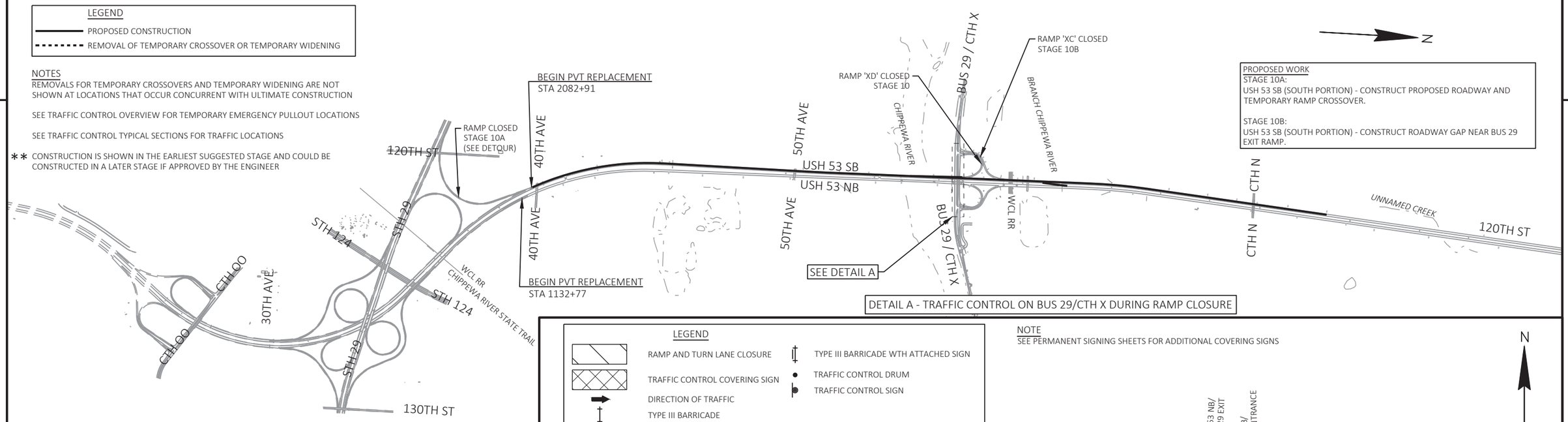
NOTES

REMOVALS FOR TEMPORARY CROSSOVERS AND TEMPORARY WIDENING ARE NOT SHOWN AT LOCATIONS THAT OCCUR CONCURRENT WITH ULTIMATE CONSTRUCTION

SEE TRAFFIC CONTROL OVERVIEW FOR TEMPORARY EMERGENCY PULLOUT LOCATIONS

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC LOCATIONS

** CONSTRUCTION IS SHOWN IN THE EARLIEST SUGGESTED STAGE AND COULD BE CONSTRUCTED IN A LATER STAGE IF APPROVED BY THE ENGINEER



DETAIL A - TRAFFIC CONTROL ON BUS 29/CTH X DURING RAMP CLOSURE

LEGEND

RAMP AND TURN LANE CLOSURE

TRAFFIC CONTROL COVERING SIGN

DIRECTION OF TRAFFIC

TYPE III BARRICADE

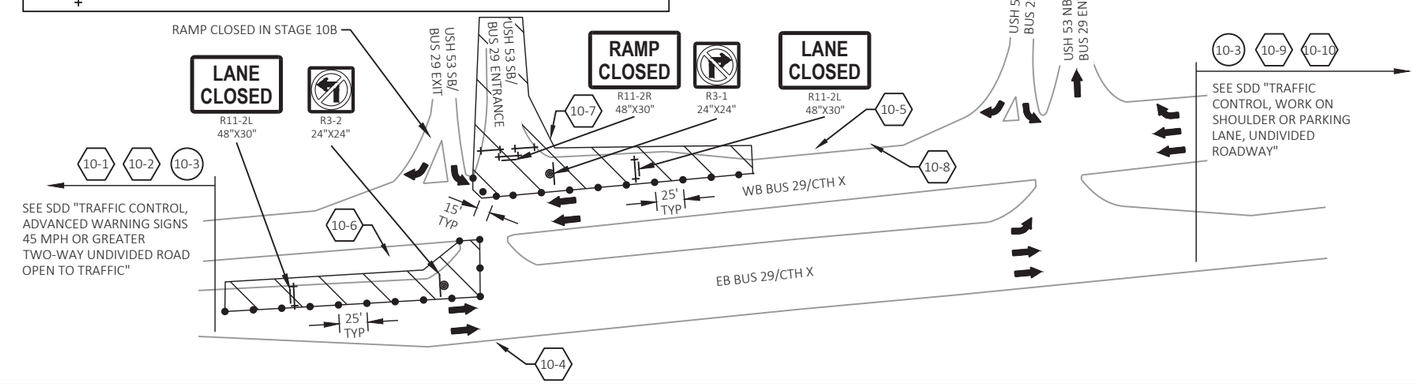
TYPE III BARRICADE WTH ATTACHED SIGN

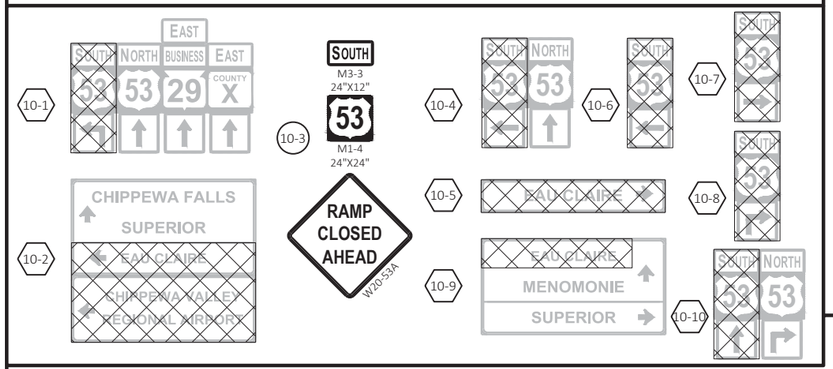
TRAFFIC CONTROL DRUM

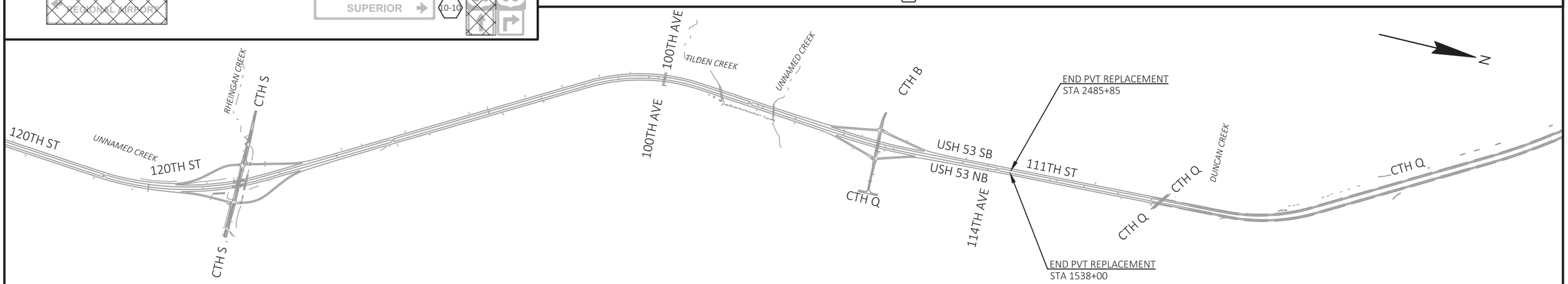
TRAFFIC CONTROL SIGN

NOTE

SEE PERMANENT SIGNING SHEETS FOR ADDITIONAL COVERING SIGNS







PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 10 OVERVIEW	SHEET 206	E

2

LEGEND

TRAFFIC CONTROL DRUM

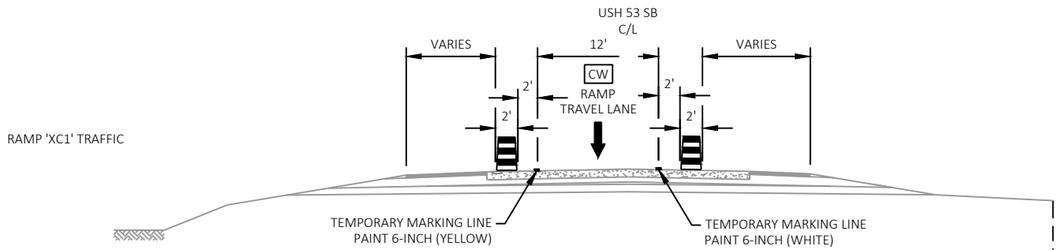
TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER

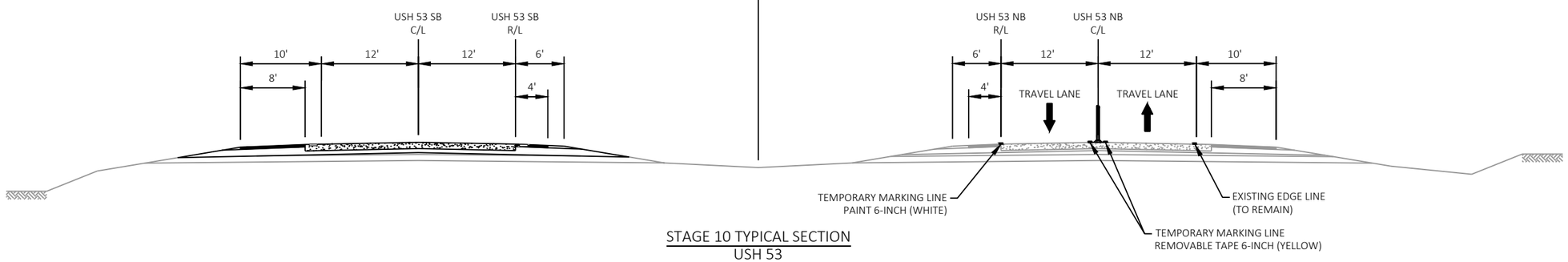
TRAFFIC CONTROL FLOW ARROW

DELINEATOR TEMPORARY

NOTE

CW MAINTAIN 16' MINIMUM CLEAR WIDTH FOR RAMP TRAFFIC.





STAGE 10 TYPICAL SECTION
USH 53
SOUTH PORTION

MARK IN ULTIMATE LOCATION AS FOLLOWS:
DRIVING LANE EDGE LINE - MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE)
PASSING LANE EDGE LINE - MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW)
CENTER LINE / LANE LINE - MARKING LINE GROOVED PERMANENT TAPE 6-INCH (WHITE 12.5' SKIPS) AND MARKING LINE EPOXY 6-INCH (BLACK 12.5' SKIPS)

AFTER STAGE COMPLETION MARK AS FOLLOWS:
DRIVING LANE EDGE LINE - MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE)
PASSING LANE EDGE LINE - MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW)
CENTER LINE / LANE LINE - REMOVE TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW) AND INSTALL MARKING LINE GROOVED CONTRAST PERMANENT TAPE 6-INCH (WHITE 12.5' SKIPS) AND MARKING LINE EPOXY 6-INCH (BLACK 12.5' SKIPS)

TEMPORARY MARKING TO BE REMOVED DURING GROOVING OPERATIONS OF PERMANENT MARKING.

2

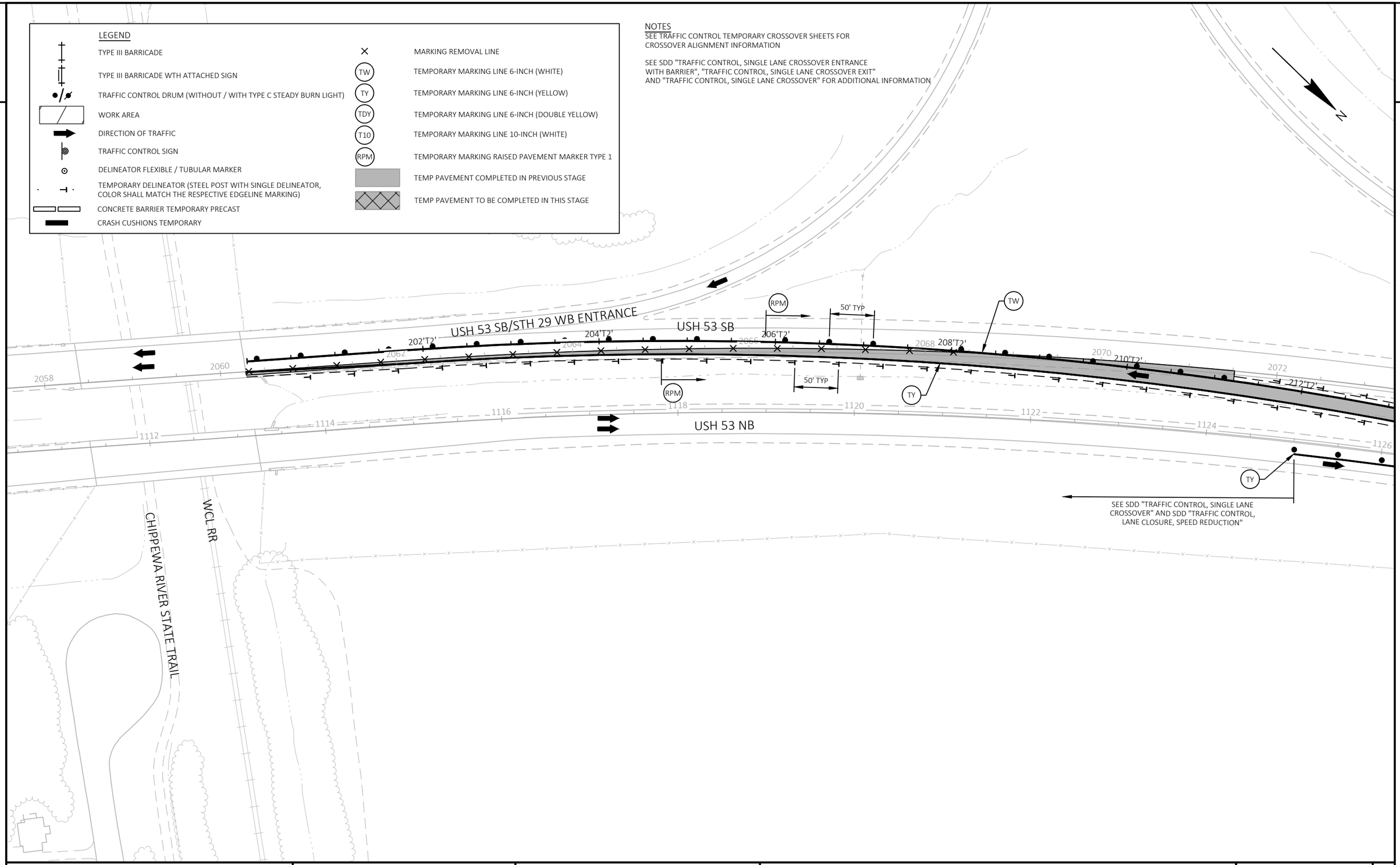
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL SIGN
- DELINEATOR FLEXIBLE / TUBULAR MARKER
- TEMPORARY DELINEATOR (STEEL POST WITH SINGLE DELINEATOR, COLOR SHALL MATCH THE RESPECTIVE EDGELINE MARKING)
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- MARKING REMOVAL LINE
- (TW) TEMPORARY MARKING LINE 6-INCH (WHITE)
- (TY) TEMPORARY MARKING LINE 6-INCH (YELLOW)
- (TDY) TEMPORARY MARKING LINE 6-INCH (DOUBLE YELLOW)
- (T10) TEMPORARY MARKING LINE 10-INCH (WHITE)
- (RPM) TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE 1
- TEMP PAVEMENT COMPLETED IN PREVIOUS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE

NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 10 - DETAIL - TEMP CROSSOVER - SOUTH PROJECT LIMIT	SHEET 208	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025111-TC.DWG
LAYOUT NAME - 01
PLOT DATE : 6/21/2023 2:11 PM
PLOT BY : ADMIN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

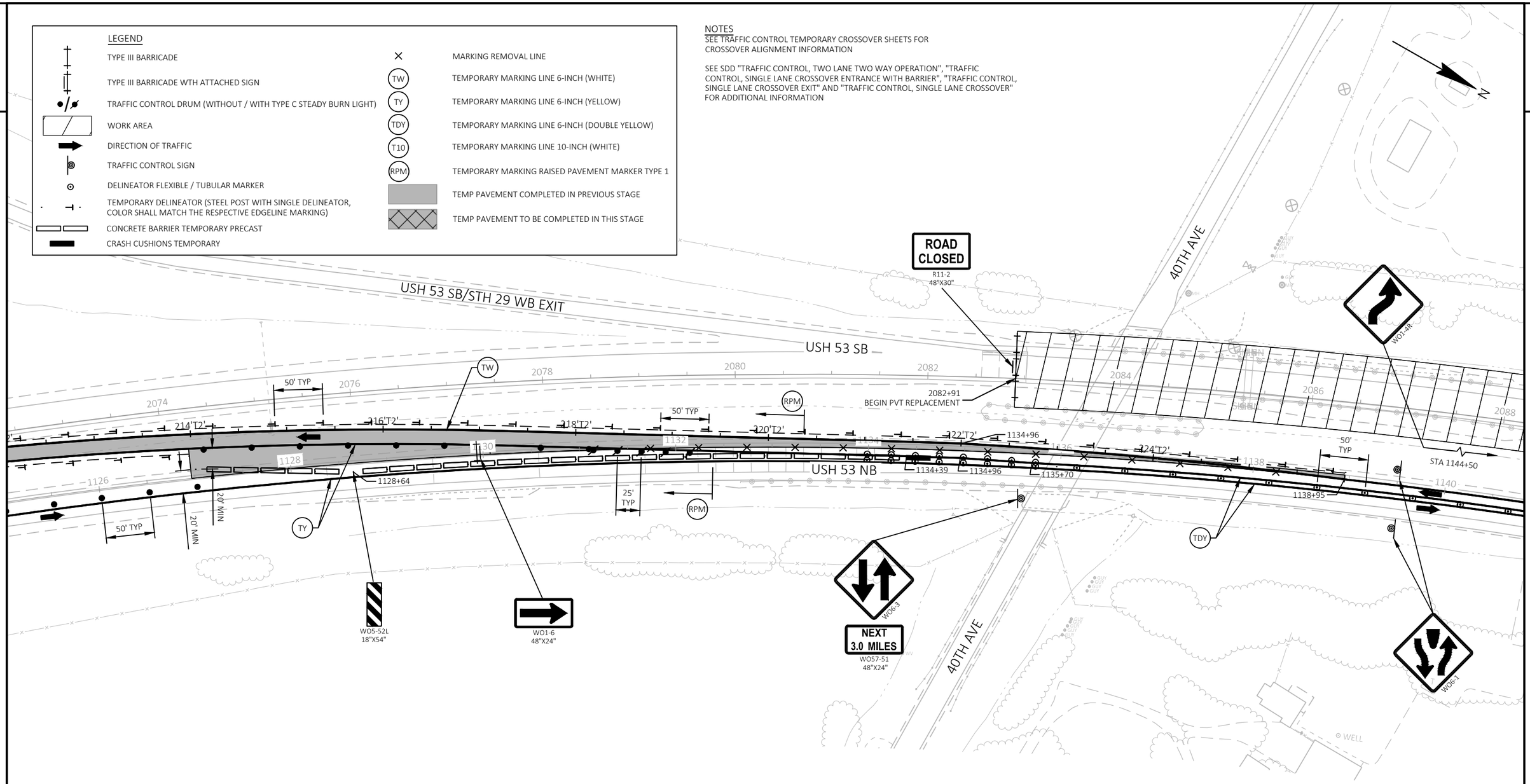
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
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- T10 — TEMPORARY MARKING LINE 10-INCH (WHITE)
- RPM — TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE 1
- TEMP PAVEMENT COMPLETED IN PREVIOUS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE

NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 10 - DETAIL - TEMP CROSSOVER - SOUTH PROJECT LIMIT	SHEET 209	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL SIGN
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NOTES

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SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" AND "TRAFFIC CONTROL, TEMPORARY EXIT RAMP CROSSOVER" FOR ADDITIONAL INFORMATION

N

USH 53 SB/BUS 29 EXIT

USH 53 SB

USH 53 NB

USH 53 NB/BUS 29

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED
R11-2
48"X30"

YIELD
R1-2
48"X42"

SIGN
W13-2

50' TYP

25' TYP

2174'XC'
2176'XC'
2178'XC'
20'XC1'
2180'XC'
22'XC1'
2182'XC'
24'XC1'
2184'XC'
26'XC1'
2186'XC'
28'XC1'
2188'XC'
30'XC1'
2190'XC'

1228'XB'
1230'XB'
1232'XB'
1234'XB'
1236'XB'
1238'XB'
1240'XB'
1242'XB'
1228'XA'
1226'XB'

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 10 - DETAIL - TEMP EXIT RAMP - BUS 29/CTH X	SHEET 210	E

LEGEND

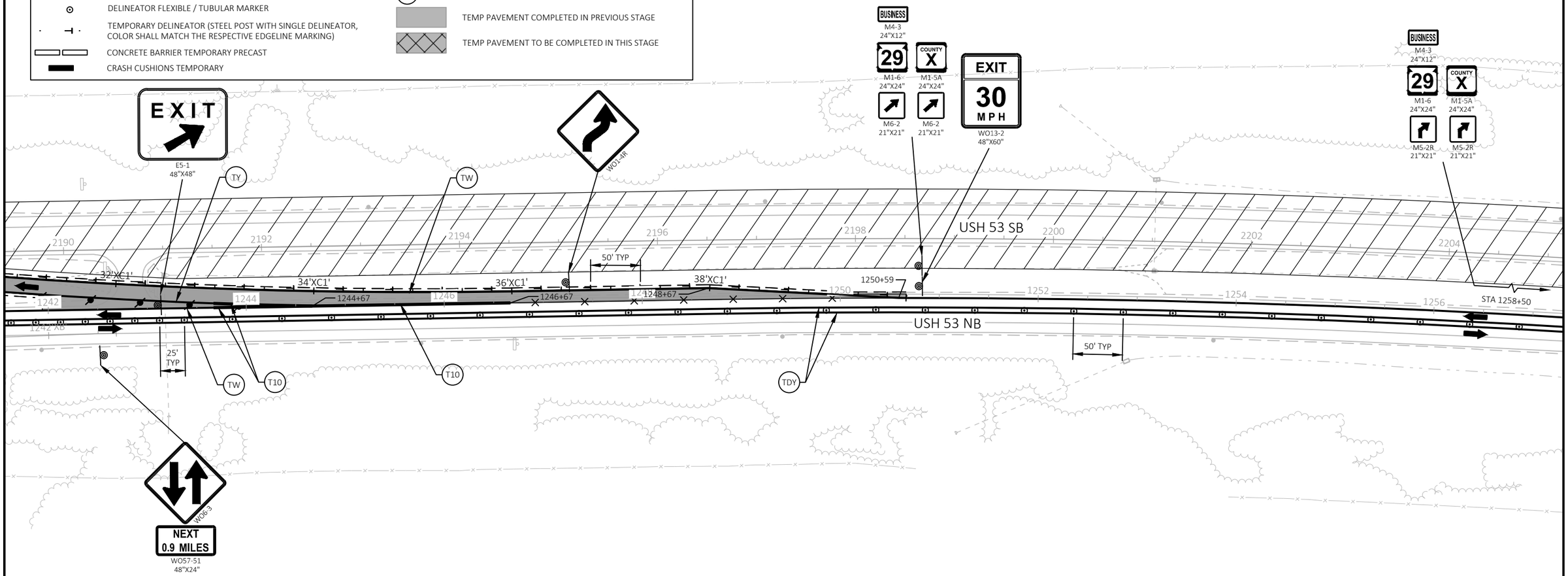
- TYPE III BARRICADE
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- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- MARKING REMOVAL LINE
- (TW) TEMPORARY MARKING LINE 6-INCH (WHITE)
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- (TDY) TEMPORARY MARKING LINE 6-INCH (DOUBLE YELLOW)
- (T10) TEMPORARY MARKING LINE 10-INCH (WHITE)
- (RPM) TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE 1
- TEMP PAVEMENT COMPLETED IN PREVIOUS STAGE
- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE

NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT", "TRAFFIC CONTROL, TEMPORARY EXIT RAMP CROSSOVER" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION

N



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 10 - DETAIL - TEMP EXIT RAMP - BUS 29/CTH X	SHEET 211	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025111-TC.DWG
LAYOUT NAME - 04
PLOT DATE : 6/21/2023 2:13 PM
PLOT BY : ADMIN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

LEGEND

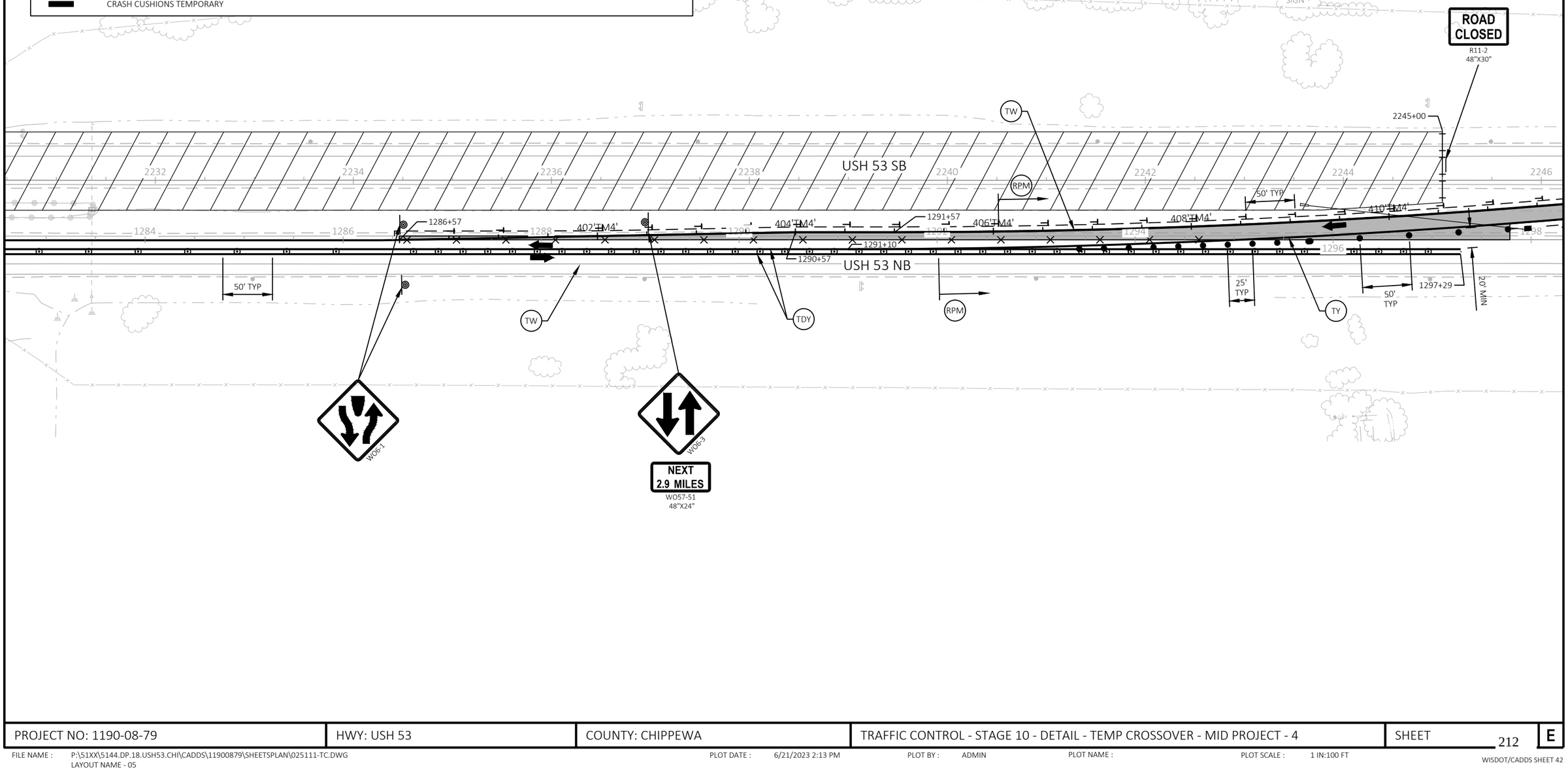
- TYPE III BARRICADE
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NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION

N



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 10 - DETAIL - TEMP CROSSOVER - MID PROJECT - 4	SHEET 212	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025111-TC.DWG
LAYOUT NAME - 05

PLOT DATE : 6/21/2023 2:13 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

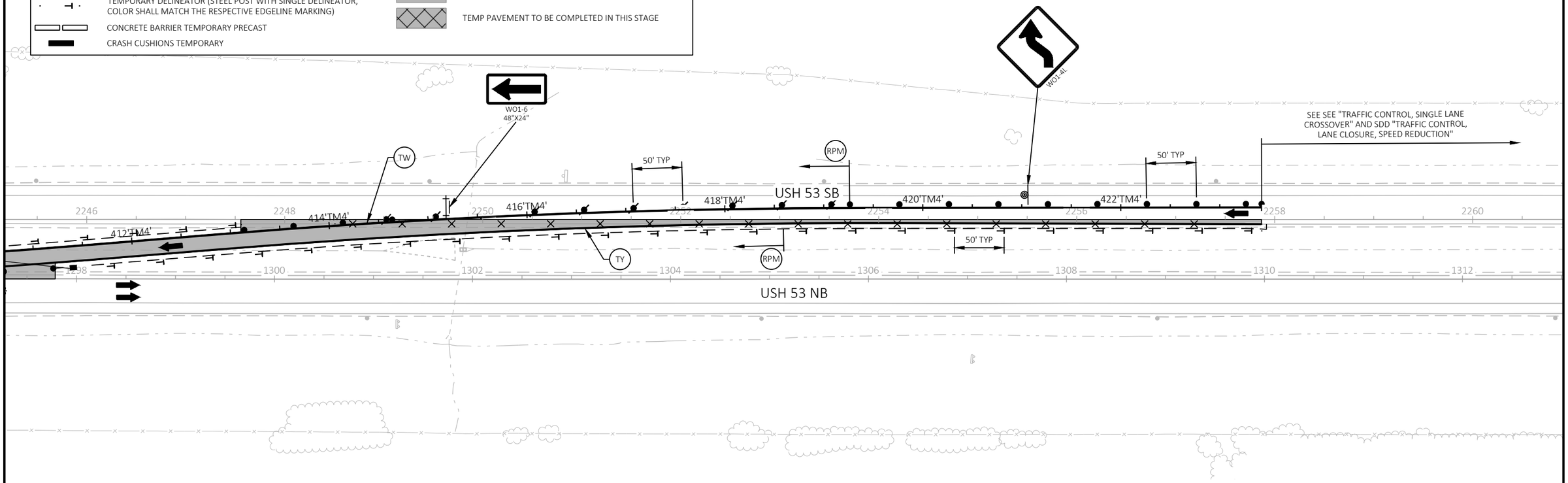
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
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- TEMP PAVEMENT TO BE COMPLETED IN THIS STAGE

NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION

N



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 10 - DETAIL - TEMP CROSSOVER - MID PROJECT - 4	SHEET 213	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025111-TC.DWG
LAYOUT NAME - 06

PLOT DATE : 6/21/2023 2:14 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (WITHOUT / WITH TYPE C STEADY BURN LIGHT)
- WORK AREA
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL SIGN
- DELINEATOR FLEXIBLE / TUBULAR MARKER
- TEMPORARY DELINEATOR - WHITE (STEEL POST WITH SINGLE DELINEATOR, COLOR SHALL MATCH THE RESPECTIVE EDGELINE MARKING)
- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHIONS TEMPORARY
- MARKING REMOVAL LINE
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NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION

N

USH 53 SB/BUS 29 EXIT

USH 53 SB

USH 53 NB

USH 53 NB/BUS 29

2177+93

2188+75

2188+77

50' TYP

25' TYP

TW

TDY

FOR LAYOUT INFORMATION SEE STAGE 6B

YIELD

R1-2
48"X42"

W03-2

SIGN

MH

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 10B - DETAIL - TEMP EXIT RAMP - BUS 29/CTH X	SHEET 214	E

2

LEGEND

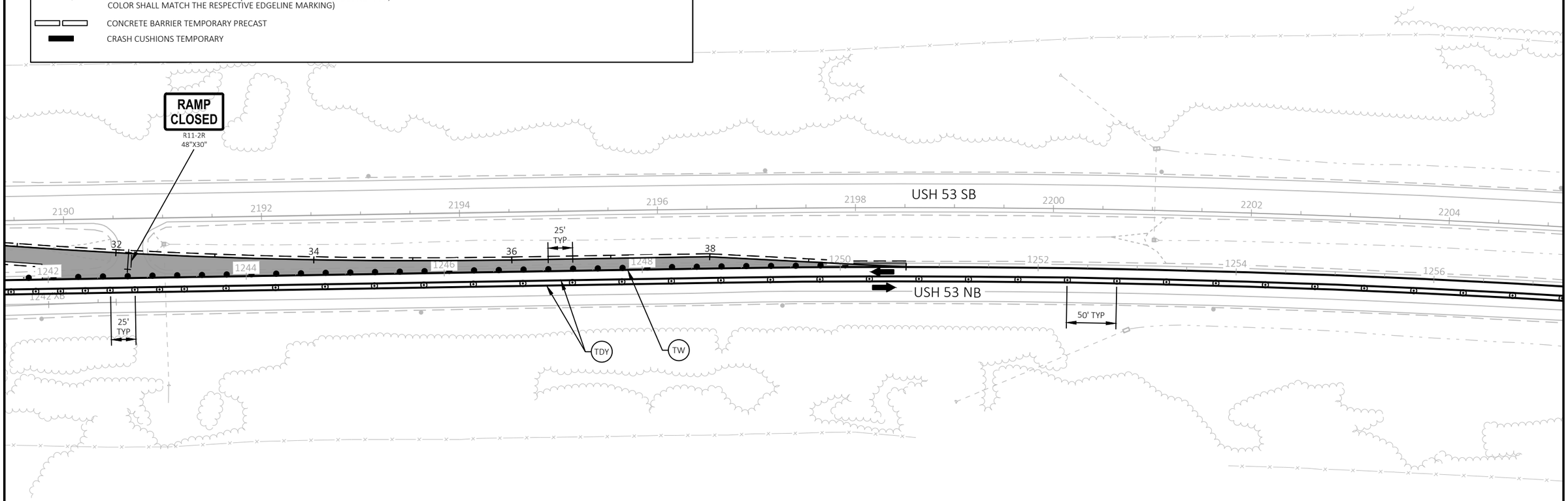
- TYPE III BARRICADE
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NOTES

SEE TRAFFIC CONTROL TEMPORARY CROSSOVER SHEETS FOR CROSSOVER ALIGNMENT INFORMATION

SEE SDD "TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER", "TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT" AND "TRAFFIC CONTROL, SINGLE LANE CROSSOVER" FOR ADDITIONAL INFORMATION

N



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 10B - DETAIL - TEMP EXIT RAMP - BUS 29/CTH X	SHEET 215	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025112-TC.DWG
LAYOUT NAME - 04

PLOT DATE : 6/21/2023 2:17 PM PLOT BY : ADMIN PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

DETOUR ROUTE

RAMP CLOSED

MB PCMS MESSAGING (STA 1190+50):
FRAME 1: EXIT 95B CLOSED
FRAME 2: USE EXIT 95A

N

EXIT 95B

USH 53 SB/ STH 29 WB EXIT

USH 53 SB/ STH 29 WB ENTRANCE

STH 29 WB
STH 29 EB

STH 124 WB
STH 124 EB

USH 53 NB
USH 53 SB

USH 53 NB/ STH 29 WB EXIT

USH 53 NB/STH 29 WB ENTRANCE

EXIT 95B

USH 53 SB/ STH 29 EB EXIT

USH 53 NB/STH 29 EB ENTRANCE

USH 53 SB/ STH 29 EB ENTRANCE

USH 53 NB/STH 29 EB EXIT

TO
MO4-5
24"X12"

WEST
M3-4
24"X12"

29
M1-6
24"X24"

MO5-2R
21"X21"

TO
MO4-5
24"X12"

WEST
M3-4
24"X12"

29
M1-6
24"X24"

MO6-2
21"X21"

2

LEGEND

PROPOSED CONSTRUCTION

REMOVAL OF TEMPORARY CROSSOVER OR TEMPORARY WIDENING

NOTES

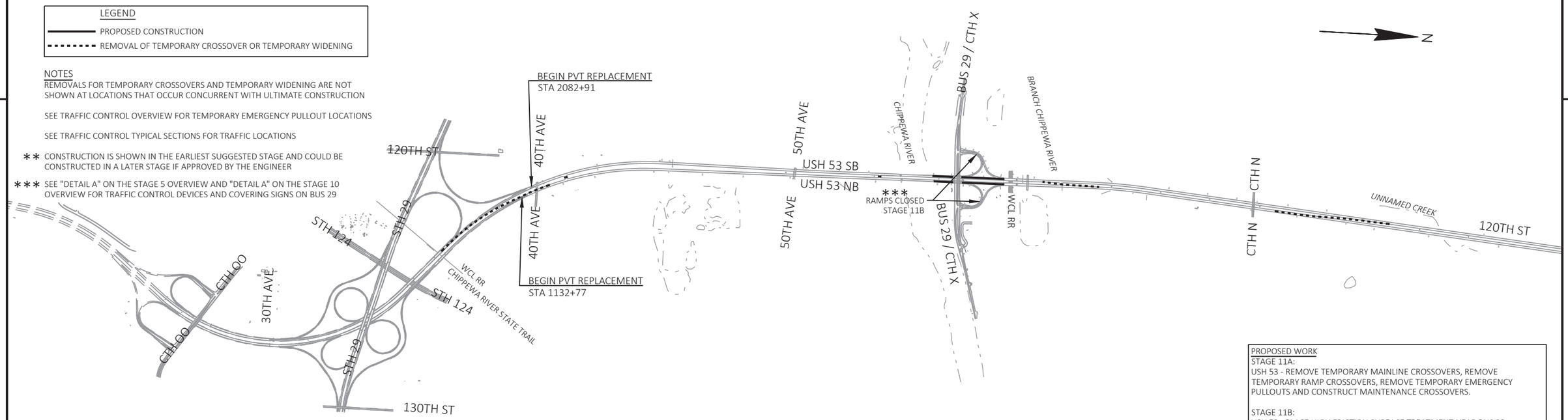
REMOVALS FOR TEMPORARY CROSSOVERS AND TEMPORARY WIDENING ARE NOT SHOWN AT LOCATIONS THAT OCCUR CONCURRENT WITH ULTIMATE CONSTRUCTION

SEE TRAFFIC CONTROL OVERVIEW FOR TEMPORARY EMERGENCY PULLOUT LOCATIONS

SEE TRAFFIC CONTROL TYPICAL SECTIONS FOR TRAFFIC LOCATIONS

** CONSTRUCTION IS SHOWN IN THE EARLIEST SUGGESTED STAGE AND COULD BE CONSTRUCTED IN A LATER STAGE IF APPROVED BY THE ENGINEER

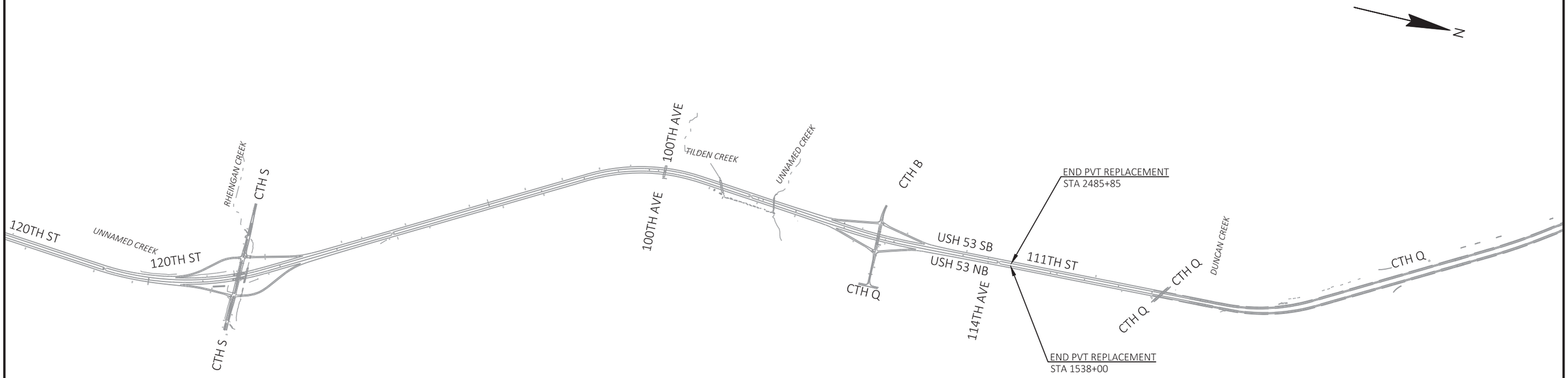
*** SEE "DETAIL A" ON THE STAGE 5 OVERVIEW AND "DETAIL A" ON THE STAGE 10 OVERVIEW FOR TRAFFIC CONTROL DEVICES AND COVERING SIGNS ON BUS 29



PROPOSED WORK

STAGE 11A:
USH 53 - REMOVE TEMPORARY MAINLINE CROSSOVERS, REMOVE TEMPORARY RAMP CROSSOVERS, REMOVE TEMPORARY EMERGENCY PULLOUTS AND CONSTRUCT MAINTENANCE CROSSOVERS.

STAGE 11B:
USH 53 - PLACE HIGH FRICTION SURFACE TREATMENT NEAR BUS 29.



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - STAGE 11 OVERVIEW	SHEET 217	E

2

LEGEND

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER

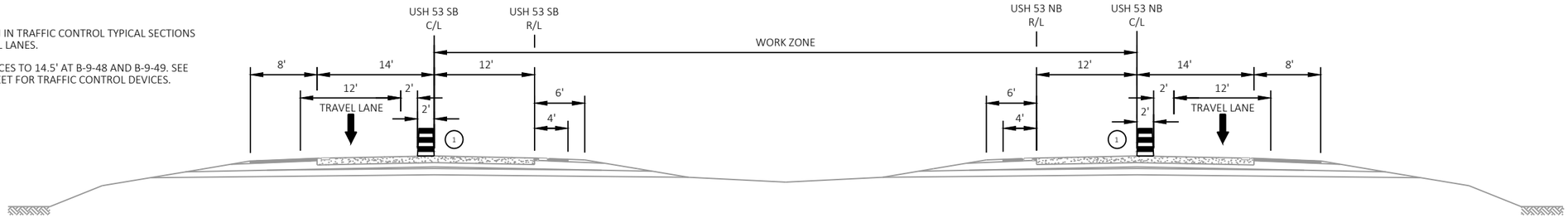
(1) DRUM LOCATION SHOWN FOR AREAS NOT IMMEDIATELY ADJACENT TO CONSTRUCTION ACTIVITIES, DRUMS MAY BE SHIFTED TO LANE LINE ONLY IN AREAS WITH CONSTRUCTION ACTIVITIES AS APPROVED BY THE ENGINEER DURING ALLOWABLE HOURS

TRAFFIC CONTROL FLOW ARROW

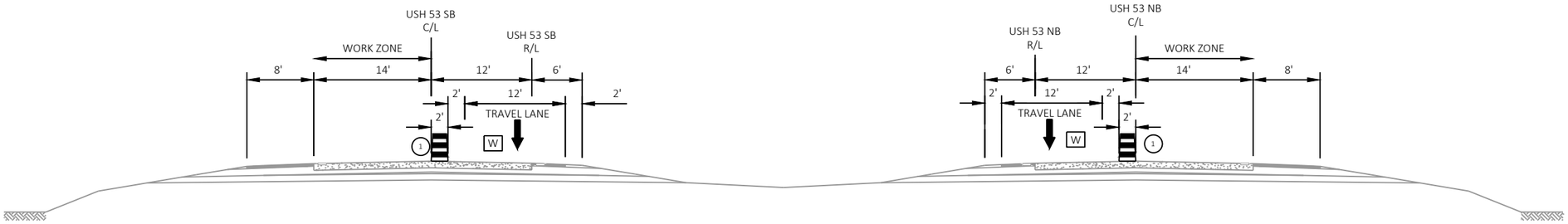
NOTE

ROADWAYS NOT SHOWN IN TRAFFIC CONTROL TYPICAL SECTIONS ARE ON NORMAL TRAVEL LANES.

[W] AVAILABLE WIDTH REDUCES TO 14.5' AT B-9-48 AND B-9-49. SEE WIDTH RESTRICTION SHEET FOR TRAFFIC CONTROL DEVICES.



STAGE 11A TYPICAL SECTION
USH 53
SOUTH PORTION



STAGE 11B TYPICAL SECTION
USH 53
SOUTH PORTION (NEAR BUS 29)

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TRAFFIC CONTROL - TYPICAL SECTIONS - USH 53	SHEET 218	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\025002-TC.DWG
LAYOUT NAME - 11-1
PLOT DATE : 6/21/2023 1:26 PM
PLOT BY : ADMIN
PLOT NAME :
PLOT SCALE : 1 IN:15 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND
DELINEATED WETLAND BOUNDARY
EXISTING R/W
REMOVE AND REPLACE WOVEN WIRE FENCE
REMOVE AND REPLACE CHAIN LINK FENCE
EXISTING FENCE

N

40TH AVE

ADJUST RW FENCE LOCATION TO BE A DIRECT OFFSET OF RW

2080+89.38
111.70', LT

2083+57.21
107.03', LT

2084+10.66
75.76', LT

2084+45.64
73.33', LT

2085+46.12
138.61', LT

2092+05.95
158.02', LT

2100+18.16
146.99', LT

2106+29.65
190.20', LT

USH 53 SB

USH 53 NB

USH 53 SB/STH 29 EXIT

CAUTION

CAUTION

2080
2085
2090
2095
2100
2105
1130
1135
1140
1145
1150
1155

1135+94.84
75.37', RT

1135+53.38
73.23', RT

1134+57.31
122.63', RT

1136+23.97
154.49', RT

1130+71.84
117.51', RT

R5603'

R5912'

1113+63.40
5686.48',RT

2060+80.87
5759.70',RT

R5573'

R5977'

1113+63.40
5686.48',RT

2060+80.87
5759.70',RT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	FENCING	SHEET 219	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\027101-FN.DWG
LAYOUT NAME - 01

PLOT DATE : 6/28/2021 11:25 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

2

LEGEND

DELINEATED WETLAND BOUNDARY

EXISTING R/W

REMOVE AND REPLACE WOVEN WIRE FENCE

REMOVE AND REPLACE CHAIN LINK FENCE

EXISTING FENCE

N

2106+29.65
190.20', LT

2109+31.68
187.69', LT

2112+99.22
142.91', LT

2126+98.87
64.79', LT

USH 53 SB

2105 2110 2115 2120 2125 2130 2135

1160 1165 1170 1175 1180 1185

USH 53 NB

1162+39.41
103.78', RT

1163+76.10
99.45', RT

1164+18.46
135.80', RT

1170+16.74
97.14', RT

1160+87.49
157.19', RT

1161+95.88
150.18', RT

R5573'

1113+63.40
5686.48',RT

QUARRY

QUARRY

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	FENCING	SHEET 220	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\027101-FN.DWG
LAYOUT NAME - 02

PLOT DATE : 6/28/2021 11:26 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

2

LEGEND
- DELINEATED WETLAND BOUNDARY
- EXISTING R/W
- REMOVE AND REPLACE WOVEN WIRE FENCE
- REMOVE AND REPLACE CHAIN LINK FENCE
- EXISTING FENCE

N

CHIPPEWA RIVER

2136+70.49
77.04', LT

2135+82.78
78.62', LT

50TH AVE

2137+05.04
77.57', LT

2137+99.10
92.49', LT

2138+44.54
92.72', LT

2139+99.40
95.07', LT

2144+00.64
247.05', LT

2145+99.91
247.06', LT

2149+99.91
197.09', LT

2157+67.14
197.14', LT

2158+33.77
31.71', LT

2135 2140 2145 USH 53 SB 2150 2155 2160

1185 1190 1195 1200 1205 1210 1215

USH 53 NB

1188+02.87
97.01', RT

1188+68.05
67.72', RT

50TH AVE

1189+91.25
96.99', RT

1189+04.12
69.45', RT

1197+16.54
96.94', RT

1201+16.55
206.92', RT

1210+79.97
29.88', RT

1210+78.36
44.65', RT

1210+86.33
206.85', RT

2

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	FENCING	SHEET 221	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\027101-FN.DWG
LAYOUT NAME - 03

PLOT DATE : 6/28/2021 11:27 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

2

2

LEGEND
- DELINEATED WETLAND BOUNDARY
- EXISTING R/W
- REMOVE AND REPLACE WOVEN WIRE FENCE
- REMOVE AND REPLACE CHAIN LINK FENCE
- EXISTING FENCE

N

CHIPPEWA RIVER

EB BUS 29 / CTH X

WB BUS 29 / CTH X

USH 53 SB/BUS 29 ENTRANCE

USH 53 SB/BUS 29 EXIT

WCL RR

BRANCH CHIPPEWA RIVER

2164+59.07
147.19', LT

2168+57.48
147.19', LT

2164+66.90
37.88', LT

2170+43.39
759.41', LT

2171+97.65
625.26', LT

2172+38.09
626.74', LT

R312'

2172+49.21
314.89', LT

2175+36.41
436.91', LT

2175+66.94
365.04', LT

R361'

2178+99.29
506.24', LT

2178+92.78
145.19', LT

2179+15.38
144.61', LT

2179+20.59
42.21', LT

2181+74.08
39.60', LT

2181+81.45
152.84', LT

2182+99.87
157.44', LT

2183+55.06
157.41', LT

2183+71.20
120.29', LT

2183+86.95
120.81', LT

2184+14.48
122.90', LT

2184+66.18
130.47', LT

2185+55.62
149.29', LT

2185+90.97
154.57', LT

2186+40.38
157.23', LT

USH 53 SB

2165 2170 2175 2180 2185 2190

1215 1220 1225 1230 1235 1240

USH 53 NB

CAUTION

1217+18.65
33.79', RT

1217+91.56
356.80', RT

1220+86.46
356.78', RT

1220+86.46
368.86', RT

USH 53 NB/BUS 29 EXIT

USH 53 NB/BUS 29 ENTRANCE

1224+96.90
291.70', RT

R312'

1223+30.90
610.16', RT

1225+08.22
603.72', RT

1223+37.44
780.19', RT

GUY POLE

1228+18.13
344.29', RT

1227+77.92
427.75', RT

R361'

1231+43.14
501.63', RT

1231+35.42
140.61', RT

1231+39.17
48.41', RT

1231+43.36
56.96', RT

1231+59.47
142.26', RT

1233+93.49
44.33', RT

1233+99.78
158.81', RT

1235+14.10
166.68', RT

1236+03.64
125.45', RT

1236+32.86
126.26', RT

1236+54.25
166.67', RT

1235+76.43
166.68', RT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	FENCING	SHEET 222	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\027101-FN.DWG
LAYOUT NAME - 04

PLOT DATE : 6/28/2021 11:28 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:200 FT

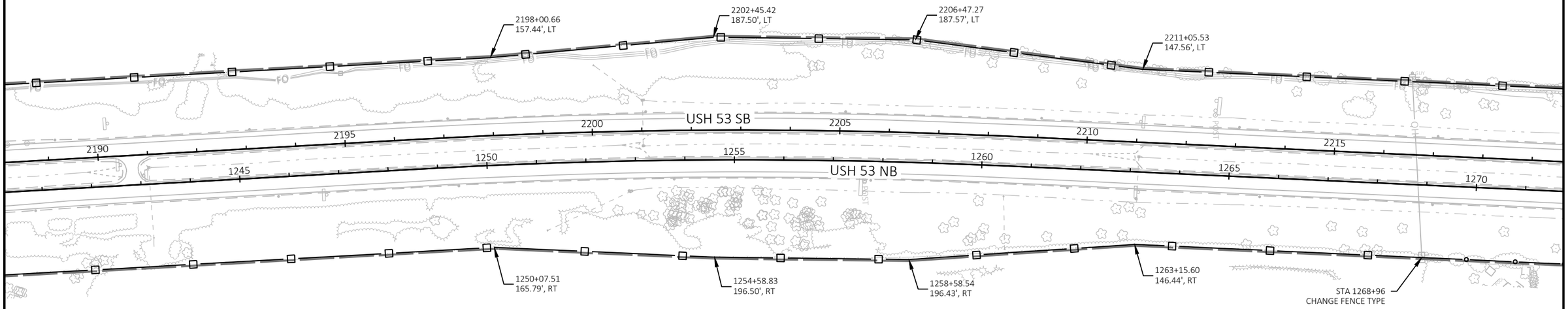
2

2

LEGEND

- DELINEATED WETLAND BOUNDARY
- EXISTING R/W
- REMOVE AND REPLACE WOVEN WIRE FENCE
- REMOVE AND REPLACE CHAIN LINK FENCE
- EXISTING FENCE

N



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	FENCING	SHEET 223	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\027101-FN.DWG
LAYOUT NAME - 05

PLOT DATE : 6/28/2021 11:29 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

2

LEGEND

DELINEATED WETLAND BOUNDARY

EXISTING R/W

REMOVE AND REPLACE WOVEN WIRE FENCE

REMOVE AND REPLACE CHAIN LINK FENCE

EXISTING FENCE

N

2228+85.95
147.26', LT

2228+45.68
147.27', LT

2230+97.40
148.83', LT

2236+05.75
196.42', LT

CTH N

2229+69.21
94.34', LT

2230+12.40
94.32', LT

2220 2225 2230 USH 53 SB 2235 2240 2245

1270 1275 1280 1285 1290 1295

USH 53 NB

1282+01.41
92.05', RT

1281+27.07
146.74', RT

1281+42.19
145.97', RT

CTH N

1283+27.80
146.78', RT

1282+45.47
88.72', RT

1287+15.89
146.84', RT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	FENCING	SHEET 224	E

2

2

LEGEND

DELINEATED WETLAND BOUNDARY

EXISTING R/W

REMOVE AND REPLACE WOVEN WIRE FENCE

REMOVE AND REPLACE CHAIN LINK FENCE

EXISTING FENCE

N

UNNAMED CREEK

2253+05.08
146.87', LT

2256+04.36
116.81', LT

2267+43.04
116.63', LT

2267+87.43
116.62', LT

2267+73.18
87.78', LT

2267+82.73
88.79', LT

120TH ST

2245 2250 2255 USH 53 SB 2260 2265 2270 2275

1300 1305 1310 1315 1320 1325

USH 53 NB

1305+15.53
157.14', RT

1314+12.92
157.29', RT

1316+12.92
117.32', RT

STA 1323+21
CHANGE FENCE TYPE

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	FENCING	SHEET 225	E

2

2

LEGEND

- DELINEATED WETLAND BOUNDARY
- EXISTING R/W
- REMOVE AND REPLACE WOVEN WIRE FENCE
- REMOVE AND REPLACE CHAIN LINK FENCE
- EXISTING FENCE

N

2276+05.12
116.48', LT

2281+04.32
115.06', LT

2285+03.61
171.70', LT

2288+02.53
86.21', LT

2295+53.98
86.16', LT

1347+64.43
5728.74',LT

R5857'

120TH ST

USH 53 SB

USH 53 NB

2275 2280 2285 2290 2295 2300

1325 1330 1335 1340 1345 1350 1355

1331+13.84
117.57', RT

1334+13.82
247.61', RT

1336+12.97
247.65', RT

1336+29.28
245.21', RT

1339+05.89
203.76', RT

1344+12.99
127.78', RT

1347+64.05
127.84', RT

1354+15.11
127.04', RT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	FENCING	SHEET 226	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\027101-FN.DWG
LAYOUT NAME - 08

PLOT DATE : 6/28/2021 11:32 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

2

LEGEND

- DELINEATED WETLAND BOUNDARY
- EXISTING R/W
- REMOVE AND REPLACE WOVEN WIRE FENCE
- REMOVE AND REPLACE CHAIN LINK FENCE
- EXISTING FENCE

N

2326+54.70
677.62', LT

2325+70.30
535.91', LT

2325+59.34
533.15', LT

2328+50.17
399.23', LT

120TH ST

CTH S

2320+09.62
383.72', LT

2321+62.72
432.40', LT

USH 53 SB/CTH S EXIT

2315+83.29
277.21', LT

2316+74.08
283.19', LT

2304+94.35
136.92', LT

2306+92.70
137.01', LT

UNNAMED CREEK

USH 53 SB/CTH S ENTRANCE

2300 2305 2310 2315 2320 2325 2330

1355 1360 1365 1370 1375 1380

USH 53 SB

USH 53 NB

1354+15.11
127.04', RT

1357+15.19
176.78', RT

USH 53 NB/CTH S EXIT

RHEINGAN CREEK

USH 53 NB/CTH S ENTRANCE

1373+41.22
411.87', RT

1380+13.07
472.20', RT

1376+45.21
504.86', RT

CTH S

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	FENCING	SHEET 227	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\027101-FN.DWG
LAYOUT NAME - 09

PLOT DATE : 6/28/2021 11:32 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

LEGEND

- DELINEATED WETLAND BOUNDARY
- EXISTING R/W
- REMOVE AND REPLACE WOVEN WIRE FENCE
- REMOVE AND REPLACE CHAIN LINK FENCE
- EXISTING FENCE

N

CTH S

2328+50.17
399.23', LT

2337+66.02
146.73', LT

2348+66.74
106.85', LT

2350+66.79
146.89', LT

2357+63.26
146.98', LT

USH 53 SB/CTH S EXIT

USH 53 SB

2330 2335 2340 2345 2350 2355

1385 1390 1395 1400 1405 1410

USH 53 NB

1388+12.75
127.30', RT

1399+12.20
127.16', RT

1401+12.20
117.14', RT

1407+12.55
117.06', RT

USH 53 NB/CTH S ENTRANCE

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	FENCING	SHEET 228	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\027101-FN.DWG
LAYOUT NAME - 10

PLOT DATE : 6/28/2021 11:33 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

2

2

LEGEND

DELINEATED WETLAND BOUNDARY

EXISTING R/W

REMOVE AND REPLACE WOVEN WIRE FENCE

REMOVE AND REPLACE CHAIN LINK FENCE

EXISTING FENCE

2357+63.26
146.98', LT

2361+65.90
237.03', LT

2364+65.32
237.07', LT

2368+16.84
176.86', LT

2371+65.33
117.16', LT

2379+65.53
117.27', LT

USH 53 SB

2360 2365 2370 2375 2380 2385

1410 1415 1420 1425 1430 1435

USH 53 NB

1412+11.90
236.99', RT

1416+11.01
236.94', RT

1419+11.57
126.90', RT

1434+60.30
126.70', RT

1435+19.50
126.86', RT

1435+54.89
119.47', RT

1436+25.34
96.68', RT

1438+11.87
96.66', RT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	FENCING	SHEET 229	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\027101-FN.DWG
LAYOUT NAME - 11

PLOT DATE : 6/28/2021 11:34 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

2

2

LEGEND

DELINEATED WETLAND BOUNDARY

EXISTING R/W

REMOVE AND REPLACE WOVEN WIRE FENCE

REMOVE AND REPLACE CHAIN LINK FENCE

EXISTING FENCE

N

2390+65.59
97.41', LT

2397+39.72
97.50', LT

2408+83.30
97.70', LT

2410+86.35
117.71', LT

2412+26.32
117.79', LT

2413+21.98
94:02', LT

100TH AVE

USH 53 SB

USH 53 NB

2385 2390 2395 2400 2405 2410 2415

1440 1445 1450 1455 1460 1465

1449+11.81
76.51', RT

1449+86.25
76.50', RT

1461+12.10
76.19', RT

1463+12.00
96.17', RT

1464+30.08
96.16', RT

1465+17.34
96.51', RT

1436+25.34
96.68', RT

1438+11.87
96.66', RT

R3977'

R3743'

2420+77.83
3878.88',RT

1467+54.34
3818.85',RT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	FENCING	SHEET 230	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\027101-FN.DWG
LAYOUT NAME - 12

PLOT DATE : 6/28/2021 11:35 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

2

LEGEND
DELINEATED WETLAND BOUNDARY
EXISTING R/W
REMOVE AND REPLACE WOVEN WIRE FENCE
REMOVE AND REPLACE CHAIN LINK FENCE
EXISTING FENCE

N

TILDEN CREEK

UNNAMED CREEK

100TH AVE

2413+53.66
96.14', LT

2414+65.86
107.76', LT

2420+78.28
107.83', LT

2424+02.53
107.62', LT

2424+87.42
107.57', LT

2424+40.31
75.61', LT

2424+76.88
75.50', LT

2435+54.27
106.89', LT

2436+27.96
106.84', LT

2435+91.54
71.45', LT

2436+09.66
72.63', LT

USH 53 SB

USH 53 NB

2415 2420 2425 2430 2435 2440

1465 1470 1475 1480 1485 1490 1495

1477+64.25
75.52', RT

1477+98.62
74.93', RT

1488+55.29
85.77', RT

1488+63.82
79.99', RT

1471+12.05
96.16', RT

1473+11.78
131.19', RT

1477+06.83
131.44', RT

1479+11.17
91.57', RT

1488+38.15
92.16', RT

1488+81.12
78.44', RT

1489+11.82
92.21', RT

REMOVE FENCE SECTION
(NOT USED)

PERM EASE

100TH AVE

1466+26.34
96.15', RT

1465+50.11
97.76', RT

R3723'

R3987'

1467+54.34
3818.85',RT

2420+77.83
3878.88',RT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	FENCING	SHEET 231	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\027101-FN.DWG
LAYOUT NAME - 13

PLOT DATE : 6/28/2021 11:36 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

2

LEGEND

DELINEATED WETLAND BOUNDARY

EXISTING R/W

REMOVE AND REPLACE WOVEN WIRE FENCE

REMOVE AND REPLACE CHAIN LINK FENCE

EXISTING FENCE

N

CTH B

2456+97.27
384.42', LT

2459+82.96
371.82', LT

2467+94.59
156.46', LT

2444+04.18
106.35', LT

2450+04.73
161.01', LT

USH 53 SB/CTH B ENTRANCE

USH 53 SB/CTH B EXIT

2445 2450 2455 USH 53 SB 2460 2465 2470

1495 1500 1505 1510 1515 1520

USH 53 NB

1497+14.31
92.72', RT

1502+14.68
143.08', RT

USH 53 NB/CTH B EXIT

USH 53 NB/CTH B ENTRANCE

1518+44.18
128.40', RT

1521+25.45
126.98', RT

1509+58.34
376.41', RT

1511+72.72
368.65', RT

CTH B

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	FENCING	SHEET 232	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\027101-FN.DWG
LAYOUT NAME - 14

PLOT DATE : 6/28/2021 11:37 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

2

2

LEGEND

DELINEATED WETLAND BOUNDARY

EXISTING R/W

REMOVE AND REPLACE WOVEN WIRE FENCE

REMOVE AND REPLACE CHAIN LINK FENCE

EXISTING FENCE

N

2471+94.87
158.49', LT

2477+97.38
96.78', LT

2479+96.24
97.80', LT

2486+25.23
99.64', LT

111TH ST

2470 2475 2480 USH 53 SB 2485 2490 2495

1525 1530 1535 1540 1545 1550

USH 53 NB

1521+25.45
126.98', RT

1524+14.64
125.51', RT

1527+14.25
83.98', RT

1533+11.72
87.18', RT

1534+11.66
76.90', RT

1540+15.19
77.04', RT

114TH AVE

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	FENCING	SHEET 233	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\027101-FN.DWG
LAYOUT NAME - 15

PLOT DATE : 6/28/2021 11:38 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : 1 IN:200 FT

Estimate Of Quantities

1190-08-79

Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	36.000	36.000
0004	201.0205	Grubbing	STA	36.000	36.000
0006	203.0100	Removing Small Pipe Culverts	EACH	2.000	2.000
0008	204.0100	Removing Concrete Pavement	SY	254,240.000	254,240.000
0010	204.0120	Removing Asphaltic Surface Milling	SY	4,330.000	4,330.000
0012	204.0150	Removing Curb & Gutter	LF	510.000	510.000
0014	204.0155	Removing Concrete Sidewalk	SY	730.000	730.000
0016	204.0165	Removing Guardrail	LF	14,730.000	14,730.000
0018	204.0170	Removing Fence	LF	76,730.000	76,730.000
0020	204.0175	Removing Concrete Slope Paving	SY	90.000	90.000
0022	204.0180	Removing Delineators and Markers	EACH	510.000	510.000
0024	204.0190	Removing Surface Drains	EACH	8.000	8.000
0026	204.0195	Removing Concrete Bases	EACH	1.000	1.000
0028	204.0220	Removing Inlets	EACH	3.000	3.000
0030	204.0245	Removing Storm Sewer (size) 01. 18-Inch	LF	16.000	16.000
0032	204.0245	Removing Storm Sewer (size) 02. 21-Inch	LF	158.000	158.000
0034	204.9060.S	Removing (item description) 01. Endwalls	EACH	1.000	1.000
0036	205.0100	Excavation Common	CY	326,952.000	326,952.000
0038	205.3000.S	Temporary Emergency Pullouts	EACH	18.000	18.000
0040	208.0100	Borrow	CY	7,620.000	7,620.000
0042	209.1500	Backfill Granular Grade 1	TON	8,420.000	8,420.000
0044	213.0100	Finishing Roadway (project) 01. 1190-08-79	EACH	1.000	1.000
0046	305.0110	Base Aggregate Dense 3/4-Inch	TON	22,200.000	22,200.000
0048	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	287,370.000	287,370.000
0050	415.0080	Concrete Pavement 8-Inch	SY	10,980.000	10,980.000
0052	415.0085	Concrete Pavement 8 1/2-Inch	SY	22,640.000	22,640.000
0054	415.0100	Concrete Pavement 10-Inch	SY	4,860.000	4,860.000
0056	415.0105	Concrete Pavement 10 1/2-Inch	SY	225,580.000	225,580.000
0058	415.0410	Concrete Pavement Approach Slab	SY	950.000	950.000
0060	416.0610	Drilled Tie Bars	EACH	495.000	495.000
0062	416.0620	Drilled Dowel Bars	EACH	250.000	250.000
0064	450.4000	HMA Cold Weather Paving	TON	7,770.000	7,770.000
0066	455.0605	Tack Coat	GAL	8,520.000	8,520.000
0068	460.2000	Incentive Density HMA Pavement	DOL	18,380.000	18,380.000
0070	460.6244	HMA Pavement 4 MT 58-34 S	TON	28,300.000	28,300.000
0072	465.0105	Asphaltic Surface	TON	480.000	480.000
0074	465.0110	Asphaltic Surface Patching	TON	265.000	265.000
0076	465.0125	Asphaltic Surface Temporary	TON	18,150.000	18,150.000
0078	465.0315	Asphaltic Flumes	SY	55.000	55.000
0080	465.0510	Asphaltic Rumble Strips, Shoulder Divided Roadway	LF	92,630.000	92,630.000
0082	509.0301	Preparation Decks Type 1	SY	338.000	338.000
0084	509.0310.S	Sawing Pavement Deck Preparation Areas	LF	4,056.000	4,056.000
0086	509.1500	Concrete Surface Repair	SF	128.000	128.000
0088	509.2100.S	Concrete Masonry Deck Repair	CY	30.000	30.000
0090	509.5100.S	Polymer Overlay	SY	6,712.000	6,712.000
0092	520.2012	Culvert Pipe Temporary 12-Inch	LF	378.000	378.000
0094	520.3318	Culvert Pipe Class III-A 18-Inch	LF	91.000	91.000
0096	520.8000	Concrete Collars for Pipe	EACH	4.000	4.000
0098	520.8700	Cleaning Culvert Pipes	EACH	11.000	11.000

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Line	Item	Item Description	Unit	Total	Qty
0100	521.1618	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 18-Inch 10 to 1	EACH	4.000	4.000
0102	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	1.000	1.000
0104	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	1.000	1.000
0106	531.1100	Concrete Masonry Ancillary Structures Type NS	CY	7.800	7.800
0108	531.1140	Steel Reinforcement HS Ancillary Structures Type NS	LB	864.000	864.000
0110	531.2024	Drilling Shaft 24-Inch	LF	63.000	63.000
0112	601.0115	Concrete Curb Type G	LF	270.000	270.000
0114	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	5,590.000	5,590.000
0116	601.0413	Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type G	LF	2,070.000	2,070.000
0118	601.0555	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type A	LF	270.000	270.000
0120	601.0586	Concrete Curb & Gutter 4-Inch Sloped 30-Inch Type TBTT	LF	40.000	40.000
0122	601.0590	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type TBTT	LF	570.000	570.000
0124	602.0410	Concrete Sidewalk 5-Inch	SF	7,130.000	7,130.000
0126	602.3010	Concrete Surface Drains	CY	13.200	13.200
0128	602.3210	Concrete Rumble Strips, Shoulder Divided Roadway	LF	70,850.000	70,850.000
0130	603.8000	Concrete Barrier Temporary Precast Delivered	LF	3,315.000	3,315.000
0132	603.8125	Concrete Barrier Temporary Precast Installed	LF	3,315.000	3,315.000
0134	604.0500	Slope Paving Crushed Aggregate	SY	70.000	70.000
0136	606.0200	Riprap Medium	CY	170.000	170.000
0138	606.0300	Riprap Heavy	CY	90.000	90.000
0140	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	34.000	34.000
0142	608.0321	Storm Sewer Pipe Reinforced Concrete Class III 21-Inch	LF	12.000	12.000
0144	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	104.000	104.000
0146	611.0430	Reconstructing Inlets	EACH	1.000	1.000
0148	611.0642	Inlet Covers Type MS	EACH	4.000	4.000
0150	611.3901	Inlets Median 1 Grate	EACH	2.000	2.000
0152	611.3902	Inlets Median 2 Grate	EACH	1.000	1.000
0154	611.8115	Adjusting Inlet Covers	EACH	24.000	24.000
0156	611.8120.S	Cover Plates Temporary	EACH	10.000	10.000
0158	612.0206	Pipe Underdrain Unperforated 6-Inch	LF	260.000	260.000
0160	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	2,040.000	2,040.000
0162	612.0806	Apron Endwalls for Underdrain Reinforced Concrete 6-Inch	EACH	12.000	12.000
0164	614.0115	Anchorages for Steel Plate Beam Guard Type 2	EACH	1.000	1.000
0166	614.0215	Steel Thrie Beam Structure Approach Retrofit Span	EACH	1.000	1.000
0168	614.0216	Steel Thrie Beam Structure Approach Retrofit Post	EACH	2.000	2.000
0170	614.0220	Steel Thrie Beam Bullnose Terminal	EACH	10.000	10.000
0172	614.0230	Steel Thrie Beam	LF	775.000	775.000
0174	614.0305	Steel Plate Beam Guard Class A	LF	162.500	162.500
0176	614.0340	Steel Plate Beam Guard Over Low-Fill Culverts Class A	LF	100.000	100.000
0178	614.0360	Steel Plate Beam Guard Temporary	LF	12.500	12.500
0180	614.0370	Steel Plate Beam Guard Energy Absorbing Terminal	EACH	1.000	1.000
0182	614.0380	Steel Plate Beam Guard Energy Absorbing Terminal Temporary	EACH	5.000	5.000
0184	614.0905	Crash Cushions Temporary	EACH	4.000	4.000
0186	614.1000	MGS Guardrail Temporary	LF	450.000	450.000
0188	614.1100	MGS Guardrail Temporary Thrie Beam Transition	LF	157.600	157.600
0190	614.1200	MGS Guardrail Temporary Terminal EAT	EACH	4.000	4.000
0192	614.2300	MGS Guardrail 3	LF	9,493.000	9,493.000
0194	614.2330	MGS Guardrail 3 K	LF	1,975.000	1,975.000
0196	614.2340	MGS Guardrail 3 L	LF	337.500	337.500

Estimate Of Quantities

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Line	Item	Item Description	Unit	Total	Qty
0198	614.2350	MGS Guardrail Short Radius	LF	212.500	212.500
0200	614.2500	MGS Thrie Beam Transition	LF	1,024.400	1,024.400
0202	614.2610	MGS Guardrail Terminal EAT	EACH	30.000	30.000
0204	614.2620	MGS Guardrail Terminal Type 2	EACH	10.000	10.000
0206	616.0100	Fence Woven Wire (height) 01. 4-Ft	LF	71,500.000	71,500.000
0208	616.0206	Fence Chain Link 6-FT	LF	9,100.000	9,100.000
0210	618.0100	Maintenance And Repair of Haul Roads (project) 01. 1190-08-79	EACH	1.000	1.000
0212	619.1000	Mobilization	EACH	1.000	1.000
0214	620.0300	Concrete Median Sloped Nose	SF	430.000	430.000
0216	624.0100	Water	MGAL	2,500.000	2,500.000
0218	625.0500	Salvaged Topsoil	SY	142,550.000	142,550.000
0220	627.0200	Mulching	SY	36,650.000	36,650.000
0222	628.1104	Erosion Bales	EACH	270.000	270.000
0224	628.1504	Silt Fence	LF	12,720.000	12,720.000
0226	628.1520	Silt Fence Maintenance	LF	12,720.000	12,720.000
0228	628.1905	Mobilizations Erosion Control	EACH	22.000	22.000
0230	628.1910	Mobilizations Emergency Erosion Control	EACH	20.000	20.000
0232	628.2004	Erosion Mat Class I Type B	SY	105,150.000	105,150.000
0234	628.2008	Erosion Mat Urban Class I Type B	SY	750.000	750.000
0236	628.7005	Inlet Protection Type A	EACH	115.000	115.000
0238	628.7015	Inlet Protection Type C	EACH	35.000	35.000
0240	628.7020	Inlet Protection Type D	EACH	20.000	20.000
0242	628.7504	Temporary Ditch Checks	LF	1,470.000	1,470.000
0244	628.7555	Culvert Pipe Checks	EACH	165.000	165.000
0246	628.7560	Tracking Pads	EACH	10.000	10.000
0248	629.0210	Fertilizer Type B	CWT	260.000	260.000
0250	630.0130	Seeding Mixture No. 30	LB	6,200.000	6,200.000
0252	630.0200	Seeding Temporary	LB	1,800.000	1,800.000
0254	630.0500	Seed Water	MGAL	4,800.000	4,800.000
0256	632.0201	Shrubs (species, root, size) 01. Dogwood Redosier, CG, 2-FT	EACH	3,040.000	3,040.000
0258	632.0201	Shrubs (species, root, size) 02. Filbert American, CG, 2-FT	EACH	3,040.000	3,040.000
0260	632.0201	Shrubs (species, root, size) 03. Ninebark Common, CG, 2-FT	EACH	3,040.000	3,040.000
0262	632.9101	Landscape Planting Surveillance and Care Cycles	EACH	20.000	20.000
0264	633.0100	Delineator Posts Steel	EACH	510.000	510.000
0266	633.0500	Delineator Reflectors	EACH	580.000	580.000
0268	633.1100	Delineators Temporary	EACH	960.000	960.000
0270	633.5200	Markers Culvert End	EACH	107.000	107.000
0272	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	40.000	40.000
0274	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	10.000	10.000
0276	635.0200	Sign Supports Structural Steel HS	LB	4,001.000	4,001.000
0278	637.1220	Signs Type I Reflective SH	SF	457.500	457.500
0280	638.2102	Moving Signs Type II	EACH	190.000	190.000
0282	638.2601	Removing Signs Type I	EACH	4.000	4.000
0284	638.3100	Removing Structural Steel Sign Supports	EACH	8.000	8.000
0286	642.5201	Field Office Type C	EACH	1.000	1.000
0288	643.0300	Traffic Control Drums	DAY	222,240.000	222,240.000
0290	643.0420	Traffic Control Barricades Type III	DAY	15,184.000	15,184.000
0292	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	2,520.000	2,520.000
0294	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	2,214.000	2,214.000

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Line	Item	Item Description	Unit	Total	Qty
0296	643.0705	Traffic Control Warning Lights Type A	DAY	26,188.000	26,188.000
0298	643.0715	Traffic Control Warning Lights Type C	DAY	39,688.000	39,688.000
0300	643.0800	Traffic Control Arrow Boards	DAY	2,342.000	2,342.000
0302	643.0900	Traffic Control Signs	DAY	47,781.000	47,781.000
0304	643.0910	Traffic Control Covering Signs Type I	EACH	32.000	32.000
0306	643.0920	Traffic Control Covering Signs Type II	EACH	82.000	82.000
0308	643.1000	Traffic Control Signs Fixed Message	SF	459.500	459.500
0310	643.1051	Traffic Control Signs PCMS with Cellular Communications	DAY	1,316.000	1,316.000
0312	643.1205.S	Basic Traffic Queue Warning System	DAY	550.000	550.000
0314	643.3165	Temporary Marking Line Paint 6-Inch	LF	214,760.000	214,760.000
0316	643.3170	Temporary Marking Line Epoxy 6-Inch	LF	179,130.000	179,130.000
0318	643.3180	Temporary Marking Line Removable Tape 6-Inch	LF	181,290.000	181,290.000
0320	643.3265	Temporary Marking Line Paint 10-Inch	LF	5,860.000	5,860.000
0322	643.3270	Temporary Marking Line Epoxy 10-Inch	LF	5,570.000	5,570.000
0324	643.3280	Temporary Marking Line Removable Tape 10-Inch	LF	7,620.000	7,620.000
0326	643.3760	Temporary Marking Raised Pavement Marker Type I	EACH	900.000	900.000
0328	643.3850	Temporary Marking Stop Line Removable Tape 18-Inch	LF	20.000	20.000
0330	643.3905	Temporary Marking Diagonal Paint 12-Inch	LF	550.000	550.000
0332	643.3960	Temporary Marking Removable Mask Out Tape 6-Inch	LF	1,660.000	1,660.000
0334	643.3970	Temporary Marking Removable Mask Out Tape 10-Inch	LF	545.000	545.000
0336	643.3980	Temporary Marking Removable Mask Out Tape 8-Inch	LF	4,900.000	4,900.000
0338	643.5000	Traffic Control	EACH	1.000	1.000
0340	645.0120	Geotextile Type HR	SY	730.000	730.000
0342	646.2020	Marking Line Epoxy 6-Inch	LF	12,045.000	12,045.000
0344	646.2025	Marking Line Grooved Black Epoxy 6-Inch	LF	19,855.000	19,855.000
0346	646.2040	Marking Line Grooved Wet Ref Epoxy 6-Inch	LF	193,905.000	193,905.000
0348	646.2050	Marking Line Grooved Permanent Tape 6-Inch	LF	19,855.000	19,855.000
0350	646.4020	Marking Line Epoxy 10-Inch	LF	840.000	840.000
0352	646.4040	Marking Line Grooved Wet Ref Epoxy 10-Inch	LF	11,050.000	11,050.000
0354	646.4720	Marking Line Same Day Epoxy 6-Inch	LF	4,820.000	4,820.000
0356	646.5020	Marking Arrow Epoxy	EACH	10.000	10.000
0358	646.5520	Marking Outfall Epoxy	EACH	12.000	12.000
0360	646.6120	Marking Stop Line Epoxy 18-Inch	LF	210.000	210.000
0362	646.6220	Marking Yield Line Epoxy 18-Inch	EACH	20.000	20.000
0364	646.7220	Marking Chevron Epoxy 24-Inch	LF	740.000	740.000
0366	646.8120	Marking Curb Epoxy	LF	200.000	200.000
0368	646.8220	Marking Island Nose Epoxy	EACH	13.000	13.000
0370	646.9000	Marking Removal Line 4-Inch	LF	22,160.000	22,160.000
0372	646.9100	Marking Removal Line 8-Inch	LF	355.000	355.000
0374	646.9300	Marking Removal Special Marking	EACH	4.000	4.000
0376	650.4000	Construction Staking Storm Sewer	EACH	32.000	32.000
0378	650.4500	Construction Staking Subgrade	LF	123,323.000	123,323.000
0380	650.5000	Construction Staking Base	LF	31,123.000	31,123.000
0382	650.6000	Construction Staking Pipe Culverts	EACH	3.000	3.000
0384	650.7000	Construction Staking Concrete Pavement	LF	95,361.000	95,361.000
0386	650.8000	Construction Staking Resurfacing Reference	LF	8,478.000	8,478.000
0388	650.9911	Construction Staking Supplemental Control (project) 01. 1190-08-79	EACH	1.000	1.000
0390	650.9920	Construction Staking Slope Stakes	LF	126,484.000	126,484.000
0392	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	100.000	100.000

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Line	Item	Item Description	Unit	Total	Qty
0394	652.0605	Conduit Special 2-Inch	LF	165.000	165.000
0396	652.0700.S	Install Conduit into Existing Item	EACH	3.000	3.000
0398	653.0905	Removing Pull Boxes	EACH	2.000	2.000
0400	654.0105	Concrete Bases Type 5	EACH	1.000	1.000
0402	655.0620	Electrical Wire Lighting 8 AWG	LF	1,965.000	1,965.000
0404	674.0300	Remove Cable	LF	605.000	605.000
0406	690.0150	Sawing Asphalt	LF	2,270.000	2,270.000
0408	690.0250	Sawing Concrete	LF	3,720.000	3,720.000
0410	715.0715	Incentive Flexural Strength Concrete Pavement	DOL	79,220.000	79,220.000
0412	740.0440	Incentive IRI Ride	DOL	61,225.000	61,225.000
0414	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,100.000	2,100.000
0416	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	2,400.000	2,400.000
0418	SPV.0060	Special 01.Temp Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 12-Inch 10 to 1	EACH	2.000	2.000
0420	SPV.0060	Special 02.Temp Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 18-Inch 10 to 1	EACH	14.000	14.000
0422	SPV.0060	Special 03. Inlet Covers Type H-D	EACH	1.000	1.000
0424	SPV.0060	Special 04. Temporary Inlet Covers Type MS	EACH	14.000	14.000
0426	SPV.0060	Special 05. Temporary Inlets Median 1 Grate	EACH	14.000	14.000
0428	SPV.0060	Special 06. Cleaning Box Culvert B-9-70	EACH	1.000	1.000
0430	SPV.0060	Special 07. Cleaning Box Culvert B-9-83	EACH	1.000	1.000
0432	SPV.0060	Special 08. Moving Ramp Closure Gate	EACH	1.000	1.000
0434	SPV.0060	Special 09. Strip Seal Gland Replacement	EACH	1.000	1.000
0436	SPV.0090	Special 01. Concrete Silane Sealer for PCC Saw Cuts	LF	238,400.000	238,400.000
0438	SPV.0090	Special 02. Asphaltic Curb Temporary	LF	100.000	100.000
0440	SPV.0090	Special 03. Concrete Curb & Gutter Cure and Seal Treatment	LF	8,810.000	8,810.000
0442	SPV.0090	Special 04. Temporary Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	2,193.000	2,193.000
0444	SPV.0090	Special 05. Temporary Storm Sewer Pipe Class III-A 18-Inch	LF	534.000	534.000
0446	SPV.0165	Special 01. Concrete Sidewalk Cure and Seal Treatment	SF	7,560.000	7,560.000
0448	SPV.0180	Special 01. Fully Automated Resin Binder High Friction Surface Treatment	SY	9,900.000	9,900.000
0450	SPV.0180	Special 02. Shredded Hardwood Bark Mulch	SY	16,180.000	16,180.000

REMOVAL ITEMS

STAGE	STATION	TO	STATION	OFFSET	204.0100 REMOVING CONCRETE PAVEMENT SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	204.0150 REMOVING CURB & GUTTER LF	204.0155 REMOVING CONCRETE SIDEWALK SY	204.0175 REMOVING CONCRETE SLOPE PAVING SY	653.0905 REMOVING PULL BOXES EACH	COMMENTS
2A	204+15'EB'	-	206+66'EB'	LT	--	--	510	--	--	--	CTH S MEDIAN
2B	209+89'EB'	-	220+93'EB'	LT & RT	3,047	--	--	20	--	--	CTH S EB
2B	1362+31'SA'	-	1375+27'SA'	LT & RT	2,480	--	--	--	--	1	CTH S NB EXIT RAMP
2B	2307+21'SD'	-	2324+97'SD'	LT & RT	3,017	--	--	--	--	--	CTH S SB ENTRANCE RAMP
2C	210+23'WB'	-	219+56'WB'	LT & RT	2,361	--	--	201	--	--	CTH S WB
2C	1374+18'SB'	-	1393+30'SB'	LT & RT	3,381	--	--	--	--	--	CTH S NB ENTRANCE RAMP
2C	2326+07'SC'	-	2339+10'SC'	LT & RT	2,405	--	--	--	--	1	CTH S EXIT RAMP
STAGE 2 TOTALS					16,691	--	510	221	--	2	
3A	1298+00	-	1354+46	LT & RT	15,056	--	--	--	--	--	USH 53 NB
3A	1362+39	-	1375+47	LT & RT	3,498	--	--	--	--	--	USH 53 NB
3A	1377+05	-	1395+01	LT & RT	4,787	--	--	--	--	--	USH 53 NB
3A	1401+52	-	1492+59	LT & RT	24,297	--	--	--	--	--	USH 53 NB
3A	1477+24	-	1478+00	RT	--	--	--	--	90	--	USH 53 NB
3A	1498+72	-	1538+00	LT & RT	11,432	--	--	--	--	--	USH 53 NB
3B	1354+46	-	1362+39	LT & RT	2,699	--	--	--	--	--	USH 53 NB
3B	1393+30	-	1401+52	LT & RT	2,636	--	--	--	--	--	USH 53 NB
3B	1492+59	-	1500+50	LT & RT	2,210	--	--	--	--	--	USH 53 NB
STAGE 3 TOTALS					66,615	--	--	--	90	--	
5	1132+77	-	1210+81	LT & RT	20,819	--	--	--	--	--	USH 53 NB
5	1217+08	-	1221+06	LT & RT	1,229	--	--	--	--	--	USH 53 NB
5	1222+74	-	1231+43	LT & RT	2,558	--	--	--	--	--	USH 53 NB
5	1233+90	-	1298+00	LT & RT	17,698	--	--	--	--	--	USH 53 NB
STAGE 5 TOTALS					42,304	--	--	--	--	--	
6A	1223+74'XA'	-	1233+97'XA'	LT & RT	2,688	--	--	219	--	--	BUS 29 NB EXIT RAMP
6A	1220+27'XB'	-	1231+43'XB'	LT & RT	2,638	--	--	--	--	--	BUS 29 NB ENTRANCE RAMP
6A	2167+42'XC'	-	2178+40'XC'	LT & RT	2,492	--	--	--	--	--	BUS 29 SB EXIT RAMP
6A	2170+54'XD'	-	2181+49'XD'	LT & RT	2,979	--	--	290	--	--	BUS 29 SB ENTRANCE RAMP
STAGE 6 TOTALS					10,797	--	--	509	--	--	
7	1500+50'BA'	-	1509+94'BA'	LT & RT	2,282	--	--	--	--	--	CTH B NB EXIT RAMP
7	1511+25'BB'	-	1520+58'BB'	LT & RT	2,511	--	--	--	--	--	CTH B NB ENTRANCE RAMP
7	2459+52'BC'	-	2471+50'BC'	LT & RT	2,847	--	--	--	--	--	CTH B SB EXIT RAMP
7	2446+05'BD'	-	2457+18'BD'	LT & RT	2,339	--	--	--	--	--	CTH B SB ENTRANCE RAMP
STAGE 7 TOTALS					9,979	--	--	--	--	--	
8A	2244+50	-	2298+69	LT & RT	14,451	--	--	--	--	--	USH 53 SB
8A	2306+50	-	2323+45	LT & RT	4,529	--	--	--	--	--	USH 53 SB
8A	2325+05	-	2341+01	LT & RT	4,255	--	--	--	--	--	USH 53 SB
8A	2347+24	-	2485+85	LT & RT	35,950	--	--	--	--	--	USH 53 SB
8B	2298+69	-	2306+50	LT & RT	3,003	--	--	--	--	--	USH 53 SB
8B	2339+10	-	2347+24	LT & RT	2,192	--	--	--	--	--	USH 53 SB
8B	2471+00	-	2485+85	LT & RT	2,271	--	--	--	--	--	USH 53 SB
STAGE 8 TOTALS					66,651	--	--	--	--	--	
9	2485+85	-	2524+82	LT	--	4,330	--	--	--	--	USH 53 SB
STAGE 9 TOTALS					--	4,330	--	--	--	--	
10A	2082+91	-	2158+42	LT & RT	20,135	--	--	--	--	--	USH 53 SB
10A	2164+67	-	2168+86	LT & RT	1,658	--	--	--	--	--	USH 53 SB
10A	2170+55	-	2177+93	LT & RT	1,995	--	--	--	--	--	USH 53 SB
10A	2188+75	-	2244+50	LT & RT	14,867	--	--	--	--	--	USH 53 SB
10B	2177+93	-	2179+25	LT & RT	534	--	--	--	--	--	USH 53 SB
10B	2181+71	-	2188+75	LT & RT	2,014	--	--	--	--	--	USH 53 SB
STAGE 10 TOTALS					41,203	--	--	--	--	--	
TOTALS					254,240	4,330	510	730	90	2	

REMOVING DRAINAGE ITEMS

STAGE	STATION	OFFSET	203.0100 REMOVING SMALL PIPE CULVERTS EACH	204.0190 REMOVING SURFACE DRAINS EACH	204.0220 REMOVING INLETS EACH	204.0245.01 REMOVING STORM SEWER (18-INCH) LF	204.0245.02 REMOVING STORM SEWER (21-INCH) LF	204.9060.S.01 REMOVING ENDWALLS EACH	COMMENTS
1A	2434+00	RT	--	--	--	--	8	--	RECONSTRUCTING INLET
STAGE 1 TOTALS			--	--	--	--	8	--	
3A	1375+31	LT	--	1	--	--	--	--	USH 53 NB
3A	1377+85	LT & RT	--	--	1	--	150	--	USH 53 NB
STAGE 3 TOTALS			--	1	1	--	150	--	
4A	2441+01	RT	--	--	1	8	--	--	USH 53 SB
STAGE 4 TOTALS			--	--	1	8	--	--	
5	1220+81	LT	--	1	--	--	--	--	USH 53 NB
5	1220+85	RT	--	1	--	--	--	--	USH 53 NB
5	1231+32	LT	--	1	--	--	--	--	USH 53 NB
STAGE 5 TOTALS			--	3	--	--	--	--	
8A	2323+29	LT	--	1	--	--	--	--	USH 53 SB
STAGE 8 TOTALS			--	1	--	--	--	--	
10A	2123+00	LT	--	--	--	--	--	1	18" CPRC, USH 53 SB
10A	2168+60	LT & RT	--	2	--	--	--	--	USH 53 SB
10A	2179+12	RT	--	1	--	--	--	--	USH 53 SB
STAGE 10 TOTALS			--	3	--	--	--	1	
11A	1142+48	LT	1	--	--	--	--	--	18" CMCP, USH 53 NB
11A	1206+17	LT	1	--	--	--	--	--	18" CMCP, USH 53 NB
11A	2507+94	RT	--	--	1	8	--	--	USH 53 SB
STAGE 11 TOTALS			2	--	1	8	--	--	
TOTALS			2	8	3	16	158	1	

CLEARING & GRUBBING

STAGE	STATION	TO	STATION	OFFSET	201.0105 CLEARING STA	201.0205 GRUBBING STA	COMMENTS
3	1316+00	-	1317+00	RT	1	1	USH 53 NB
3	1358+00	-	1359+00	RT	1	1	USH 53 NB
3	1397+00	-	1421+00	RT	24	24	USH 53 NB
3	1456+00	-	1457+00	RT	1	1	USH 53 NB
3	1477+00	-	1478+00	RT	1	1	USH 53 NB
3	1483+00	-	1484+00	RT	1	1	USH 53 NB
3	1512+00	-	1513+00	RT	1	1	USH 53 NB
3	1519+00	-	1520+00	RT	1	1	USH 53 NB
STAGE 3 TOTALS					31	31	
5	1243+00	-	1244+00	RT	1	1	USH 53 NB
5	1263+00	-	1264+00	RT	1	1	USH 53 NB
STAGE 5 TOTALS					2	2	
7	1511+00'BB'	-	1512+00'BB'	RT	1	1	CTH B NB ENTRANCE RAMP
7	1519+00'BB'	-	1520+00'BB'	RT	1	1	CTH B NB ENTRANCE RAMP
STAGE 7 TOTALS					2	2	
10	2200+00	-	2201+00	LT	1	1	USH 53 SB (SCOUR REPAIR)
STAGE 10 TOTALS					1	1	
TOTALS					36	36	

EARTHWORK SUMMARY

DIVISION	STATION	TO	STATION	STAGE	LOCATION	205.0100 EXCAVATION COMMON CUT (NOTE 1) (CY)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (NOTE 2) (CY)	AVAILABLE MATERIAL (NOTE 3)	UNEXPANDED FILL	EXPANDED FILL FACTOR (NOTE 4) 1.30	MASS ORDINATE +/- (NOTE 5)	WASTE (NOTE 6)	208.0100 BORROW (CY)
1													
	100+00'T1'	-	103+06'T1'	1A	SOUTH PROJECT LIMIT TEMPORARY MAINLINE CROSSOVER 1 SHOULDER REPLACEMENT (NOTE 7)	22	22	--	--	--	--	--	--
	103+06'T1'	-	125+75'T1'	1A	SOUTH PROJECT LIMIT TEMPORARY MAINLINE CROSSOVER 1	1,084	87	997	2,271	2,957	-1,960	--	--
	125+35'T1'	-	125+75'T1'	1A	SOUTH PROJECT LIMIT TEMPORARY MAINLINE CROSSOVER 1 SHOULDER REPLACEMENT (NOTE 7)	3	3	--	--	--	--	--	--
	2084+26	-	2085+05	1A	TEMPORARY GUARDRAIL	16	--	16	--	--	16	--	--
	2155+20	-	2158+32	1A	TEMPORARY GUARDRAIL	91	--	91	7	9	82	--	--
	2175+77	-	2179+17	1A	TEMPORARY GUARDRAIL	95	--	95	5	6	89	--	--
	100+00'TM1'	-	123+42'TM1'	1A	MIDDLE PROJECT TEMPORARY MAINLINE CROSSOVER 1	969	110	859	991	1,291	-432	--	--
	10+01'SA1'	-	24+81'SA1'	1A	CTH S NB EXIT TEMPORARY RAMP CROSSOVER 1	796	94	702	1,660	2,160	-1,458	--	--
	59+91'SA2'	-	64+64'SA2'	1A	CTH S NB EXIT TEMPORARY RAMP CROSSOVER 2	131	24	107	845	1,098	-991	--	--
	2319+76	-	2323+27	1A	TEMPORARY GUARDRAIL	33	--	33	39	51	-18	--	--
	18+92'SB2'	-	22+95'SB2'	1A	CTH S NB ENTRANCE TEMPORARY RAMP CROSSOVER 2	89	7	82	556	723	-641	--	--
	64+46'SB1'	-	79+50'SB1'	1A	CTH S NB ENTRANCE TEMPORARY RAMP CROSSOVER 1	791	94	697	1,115	1,451	-754	--	--
	10+01'BA1'	-	22+83'BA1'	1A	CTH B NB EXIT TEMPORARY RAMP CROSSOVER 1	814	80	734	688	893	-159	--	--
	58+85'BA2'	-	62+93'BA2'	1A	CTH B NB EXIT TEMPORARY RAMP CROSSOVER 2	117	10	107	262	340	-233	--	--
	2495+30	-	2519+14	1A	NORTH PROJECT LIMIT TEMPORARY MAINLINE CROSSOVER	2,188	250	1,938	999	1,298	640	--	--
SUBTOTAL						7,239	781	6,458	9,438	12,277	-5,819	--	5,819
2													
	2082+92	-	2083+80	1B	TEMPORARY GUARDRAIL	20	--	20	7	9	11	11	--
	2108+93	-	2110+44	1B	TEMPORARY GUARDRAIL	21	--	21	40	54	-33	-33	--
	2157+31	-	2158+23	1B	TEMPORARY GUARDRAIL	3	3	--	--	--	--	--	--
	2319+76	-	2323+27	1B	TEMPORARY GUARDRAIL	33	--	33	39	51	-18	-18	--
	59+45'BA2'	-	66+92'BA2'	1B	CTH B NB EXIT TEMPORARY SHOULDER PAVING	406	69	337	40	52	285	285	--
SUBTOTAL						483	72	411	126	166	245	245	--
3													
	205+80'EB'	-	209+23'EB'	2A-1	CTH S TEMPORARY SHOULDER REPLACEMENT (NOTE 7)	25	25	--	--	--	--	--	--
	220+93'EB'	-	233+95'EB'	2A-1	CTH S TEMPORARY SHOULDER REPLACEMENT (NOTE 7)	48	48	--	--	--	--	--	--
SUBTOTAL						73	73	--	--	--	--	--	--
4													
	204+07'EB'	-	206+69'EB'	2A-2	CTH S TEMPORARY SHOULDER REPLACEMENT (NOTE 7)	189	78	111	--	--	111	111	--
	208+52'WB'	-	209+74'WB'	2A-2	CTH S TEMPORARY SHOULDER REPLACEMENT (NOTE 7)	4	4	--	--	--	--	--	--
	211+26'WB'	-	213+82'WB'	2A-2	CTH S TEMPORARY SHOULDER REPLACEMENT (NOTE 7)	8	8	--	--	--	--	--	--
	221+46'WB	-	234+32'WB	2A-2	CTH S TEMPORARY SHOULDER REPLACEMENT (NOTE 7)	45	45	--	--	--	--	--	--
SUBTOTAL						246	134	111	--	--	111	111	--
5													
	1362+31'SA'	-	1362+82'SA'	2B	CTH S NB EXIT RAMP TRANSITION (NOTE 7)	70	22	49	--	--	49	49	--
	1362+82'SA'	-	1375+40'SA'	2B	CTH S NB EXIT RAMP	2,235	797	1,438	3	4	1,434	1,434	--
	1359+20'SA'	-	1362+31'SA'	2B	CTH S NB EXIT RAMP TEMPORARY SHOULDER REPLACEMENT (NOTE 7)	26	26	--	--	--	--	--	--
	2307+20'SD'	-	2307+70'SD'	2B	CTH S SB ENTRANCE RAMP TRANSITION (NOTE 7)	69	21	48	--	--	48	48	--
	2307+70'SD'	-	2325+39'SD'	2B	CTH S SB ENTRANCE RAMP	2,655	1,120	1,535	--	--	1,535	1,535	--
	58+93'SD2'	-	60+53'SD2'	2B	CTH S SB ENTRANCE RAMP TEMPORARY SHOULDER REPLACEMENT (NOTE 7)	14	14	--	--	--	--	--	--
	60+53'SD2'	-	65+68'SD2'	2B	CTH S SB ENTRANCE RAMP TEMPORARY SHOULDER PAVING	225	32	193	92	119	74	74	--
	65+68'SD2'	-	68+40'SD2'	2B	CTH S SB ENTRANCE RAMP TEMPORARY SHOULDER REPLACEMENT (NOTE 7)	23	23	--	--	--	--	--	--
	209+89'EB'	-	220+93'EB'	2B	CTH S EB	4,868	630	4,238	56	72	4,166	4,166	--
SUBTOTAL						10,185	2,684	7,501	151	195	7,306	7,306	--
6													
	1374+07'SB'	-	1392+80'SB'	2C	CTH S NB ENTRANCE RAMP	3,030	1,186	1,844	27	36	1,808	1,808	--
	1392+80'SB'	-	1393+30'SB'	2C	CTH S NB ENTRANCE RAMP TRANSITION (NOTE 7)	73	23	50	--	--	50	50	--
	9+81'SB2'	-	10+00'SB2'	2C	CTH S NB ENTRANCE RAMP TEMPORARY SHOULDER REPLACEMENT (NOTE 7)	2	2	--	--	--	--	--	--
	10+00'SB2'	-	19+46'SB2'	2C	CTH S NB ENTRANCE RAMP TEMPORARY SHOULDER PAVING	419	58	361	532	693	-332	-332	--
	19+46'SB2'	-	21+58'SB2'	2C	CTH S NB ENTRANCE RAMP TEMPORARY SHOULDER REPLACEMENT (NOTE 7)	18	18	--	--	--	--	--	--
	2325+89'SC'	-	2338+61'SC'	2C	CTH S SB EXIT RAMP	2,523	806	1,717	81	106	1,611	1,611	--
	2338+61'SC'	-	2339+11'SC'	2C	CTH S SB EXIT RAMP TRANSITION (NOTE 7)	70	21	48	--	--	48	48	--
	12+56'SC2'	-	14+01'SC2'	2C	CTH S SB EXIT RAMP TEMPORARY SHOULDER REPLACEMENT (NOTE 7)	12	12	--	--	--	--	--	--
	14+01'SC2'	-	19+03'SC2'	2C	CTH S SB EXIT RAMP TEMPORARY SHOULDER PAVING	244	31	213	210	272	-59	-59	--
	19+03'SC2'	-	20+34'SC2'	2C	CTH S SB EXIT RAMP TEMPORARY SHOULDER REPLACEMENT (NOTE 7)	12	630	-617	--	--	-617	-617	--
	210+24'WB	-	222+38'WB'	2C	CTH S WB	3,638	532	3,106	36	48	3,058	3,058	--
SUBTOTAL						10,041	3,319	6,722	886	1,155	5,567	5,567	--

NOTES:
1) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS THE EXISTING CONCRETE AND ASPHALT PAVEMENT VOLUME, NOT AVAILABLE FOR FILL (MATERIAL TO BE WASTED)
3) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL.
4) EXPANDED FILL FACTOR = UNEXPANDED FILL * FILL FACTOR
5) 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.
6) WASTE MATERIAL TO BE USED AT DIFFERENT LOCATIONS IN THE SAME DIVISION.
7) NO CROSS SECTIONS. EXCAVATION BASED ON LENGTH * WIDTH * DEPTH

EARTHWORK SUMMARY CONT'D

DIVISION	STATION	TO	STATION	STAGE	LOCATION	205.0100 EXCAVATION COMMON CUT (NOTE 1) (CY)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (NOTE 2) (CY)	AVAILABLE MATERIAL (NOTE 3)	UNEXPANDED FILL	EXPANDED FILL FACTOR (NOTE 4) 1.30	MASS ORDINATE +/- (NOTE 5)	WASTE (NOTE 6)	208.0100 BORROW (CY)
7													
	1298+00	-	1299+50	3A	USH 53 NB MAINLINE TRANSITION (NOTE 7)	333	92	241	--	--	241	241	--
	1299+50	-	1354+46	3A	USH 53 NB	16,327	7,226	9,101	--	--	9,101	9,101	--
	1362+39	-	1375+47	3A	USH 53 NB	3,094	1,720	1,374	125	162	1,212	1,212	--
	1377+05	-	1395+01	3A	USH 53 NB	4,818	2,361	2,457	20	27	2,430	2,430	--
	1401+52	-	1499+13	3A	USH 53 NB	27,709	12,834	14,875	--	--	14,875	14,875	--
	1503+23	-	1538+00	3A	USH 53 NB	9,785	4,572	5,213	--	--	5,213	5,213	--
	1538+00	-	1538+50	3A	USH 53 NB MAINLINE TRANSITION (NOTE 7)	111	66	45	--	--	45	45	--
	1500+48'BA'	-	1500+98'BA'	3A	CTH B NB EXIT MAINLINE TRANSITION (NOTE 7)	74	37	37	--	--	37	37	--
	1520+08'BB'	-	1520+58'BB'	3A	CTH B NB ENTRANCE MAINLINE TRANSITION (NOTE 7)	70	37	33	--	--	33	33	--
	64+64'SA2'	-	66+58'SA2'	3A	CTH S NB EXIT TEMPORARY RAMP CROSSOVER 2	71	8	63	142	185	-122	-122	--
	66+90'SA2'	-	70+63'SA2'	3A	NB CTH S EXIT RAMP GORE PAVING	265	20	245	18	23	222	222	--
	15+90'SB2'	-	18+92'SB2'	3A	CTH S NB ENTRANCE TEMPORARY RAMP CROSSOVER 2	120	13	107	616	801	-694	-694	--
	62+93'BA2'	-	64+95'BA2'	3A	CTH B NB EXIT TEMPORARY RAMP CROSSOVER 2	105	9	96	62	81	15	15	--
	65+25'BA2'	-	71+21'BA2'	3A	NB CTH B EXIT RAMP GORE PAVING	553	56	497	69	90	407	407	--
	1377+85			3A	STORM SEWER PIPE REPLACEMENT (NOTE 7)	557	--	557	--	--	557	557	--
SUBTOTAL						63,993	29,051	34,943	1,052	1,369	33,574	33,574	--
8													
	1354+46	-	1362+39	3B	USH 53 NB	2,180	1,043	1,137	--	--	1,137	1,137	--
	1395+01	-	1401+51	3B	USH 53 NB	1,701	855	846	--	--	846	846	--
	1499+13	-	1503+23	3B	USH 53 NB	1,220	539	681	--	--	681	681	--
	1362+82'SA'	-	1364+93'SA'	3B	CTH S NB EXIT RAMP ULTIMATE SHOULDER REPLACEMENT (NOTE 7)	19	19	--	--	--	--	--	--
SUBTOTAL						5,120	2,455	2,665	--	--	2,665	2,665	--
9													
	100+00'TM1'	-	123+42'TM1'	4A	REMOVAL MIDDLE PROJECT TEMPORARY MAINLINE CROSSOVER 1 (NOTE 7)	3,051	415	2,636	--	--	2,636	2,636	--
	1286+57	-	1309+97	4A	MIDDLE PROJECT TEMPORARY MAINLINE CROSSOVER 2/3	1,182	139	1,043	1,201	1,561	-518	-518	--
	1342+79	-	1375+47	4A	REMOVAL CTH S NB EXIT TEMPORARY RAMP CROSSOVERS (NOTE 7)	5,473	706	4,767	--	--	4,767	4,767	--
	1377+05	-	1413+97	4A	REMOVAL CTH S NB ENTRANCE TEMPORARY RAMP CROSSOVERS (NOTE 7)	4,855	623	4,232	--	--	4,232	4,232	--
	1482+61	-	1538+50	4A	REMOVAL CTH B NB EXIT TEMPORARY RAMP CROSSOVERS (NOTE 7)	3,409	585	2,824	--	--	2,824	2,824	--
SUBTOTAL						17,970	2,468	15,502	1,201	1,561	13,941	13,941	--
10													
	1385+36'SB'	-	1392+80'SB'	4B	CTH S NB EXIT RAMP ULTIMATE GORE REPLACEMENT (NOTE 7)	85	85	--	--	--	--	--	--
	1385+36'SB'	-	1392+80'SB'	4B	CTH S NB ENTRANCE RAMP ULTIMATE SHOULDER REPLACEMENT (NOTE 7)	72	72	--	--	--	--	--	--
SUBTOTAL						157	157	--	--	--	--	--	--
11													
	1132+14	-	1210+76	5	USH 53 NB	23,779	10,337	13,442	295	385	13,057	13,057	--
	1217+14	-	1221+06	5	USH 53 NB	1,359	515	844	5	7	837	837	--
	1222+74	-	1231+44	5	USH 53 NB	2,083	1,144	939	23	29	910	910	--
	1233+90	-	1299+50	5	USH 53 NB	18,525	8,625	9,900	32	42	9,858	9,858	--
	1223+74'XA'	-	1224+24'XA'	5	BUS 29 NB EXIT MAINLINE TRANSITION	58	58	--	--	--	--	--	--
SUBTOTAL						45,804	20,680	25,124	355	463	24,661	24,661	--
12													
	1223+74'XA'	-	1233+97'XA'	6A	BUS 29 NB EXIT RAMP	1,572	788	784	123	159	625	625	--
	1220+27'XB'	-	1231+43'XB'	6A	BUS 29 NB ENTRANCE RAMP	1,993	863	1,130	564	731	399	399	--
	2167+32'XC'	-	2177+90'XC'	6A	BUS 29 SB EXIT RAMP	1,695	817	878	26	33	845	845	--
	2177+90'XC'	-	2178+40'XC'	6A	BUS 29 SB EXIT MAINLINE TRANSITION	58	58	--	--	--	--	--	--
	2170+55'XD'	-	2181+49'XD'	6A	BUS 29 SB ENTRANCE RAMP	1,764	863	901	99	128	773	773	--
SUBTOTAL						7,082	3,389	3,693	812	1,051	2,642	2,642	--
13													
	100+00'T1'	-	125+75'T1'	6B	REMOVAL SOUTH PROJECT LIMIT TEMPORARY MAINLINE CROSSOVER 1 (NOTE 7)	4,827	511	4,316	--	--	4,316	--	--
	200+00'T2'	-	203+26'T2'	6B	SOUTH PROJECT LIMIT TEMPORARY MAINLINE CROSSOVER 2 SHOULDER REPLACEMENT (NOTE 7)	23	23	--	--	--	--	--	--
	203+26'T2'	-	226+00'T2'	6B	SOUTH PROJECT LIMIT TEMPORARY MAINLINE CROSSOVER 2	963	105	858	3,086	4,011	-3,153	--	--
	30+25'XC1'	-	39+98'XC1'	6B	BUS 29 SB EXIT TEMPORARY RAMP CROSSOVER 1	470	46	424	258	337	87	--	--
	17+00'SC2'	-	20+73'SC2'	6B	CTH S SB EXIT TEMPORARY RAMP CROSSOVER 2	109	8	101	952	1,239	-1,138	--	--
	39+74'SC1'	-	53+99'SC1'	6B	CTH S SB EXIT TEMPORARY RAMP CROSSOVER 1	776	91	685	1,169	1,520	-835	--	--
	10+00'SD1'	-	27+24'SD1'	6B	CTH S SB ENTRANCE TEMPORARY RAMP CROSSOVER 1	1,241	112	1,129	1,146	1,493	-364	--	--
	56+90'SD2'	-	60+88'SD2'	6B	CTH S SB ENTRANCE TEMPORARY RAMP CROSSOVER 2	114	8	106	630	820	-714	--	--
SUBTOTAL						8,523	904	7,619	7,241	9,420	-1,801	--	1,801

NOTES:
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3) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL.
4) EXPANDED FILL FACTOR = UNEXPANDED FILL * FILL FACTOR
5) 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.
6) WASTE MATERIAL TO BE USED AT DIFFERENT LOCATIONS IN THE SAME DIVISION.
7) NO CROSS SECTIONS. EXCAVATION BASED ON LENGTH * WIDTH * DEPTH

EARTHWORK SUMMARY CONT'D

DIVISION	STATION	TO	STATION	STAGE	LOCATION	205.0100 EXCAVATION COMMON CUT (NOTE 1) (CY)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (NOTE 2) (CY)	AVAILABLE MATERIAL (NOTE 3)	UNEXPANDED FILL	EXPANDED FILL FACTOR (NOTE 4) 1.30	MASS ORDINATE +/- (NOTE 5)	WASTE (NOTE 6)	208.0100 BORROW (CY)
14													
	1500+48'BA'	-	1509+08'BA'	7	CTH B NB EXIT RAMP	1,637	637	1,000	--	--	1,000	1,000	--
	1509+08'BA'	-	1509+94'BA'	7	CTH B NB EXIT RAMP TRANSITION (NOTE 7)	137	64	73	--	--	73	73	--
	1512+03'BB'	-	1520+58'BB'	7	CTH B NB ENTRANCE RAMP	1,365	633	732	--	--	732	732	--
	2459+52'BC'	-	2460+41'BC'	7	CTH B SB EXIT RAMP TRANSITION (NOTE 7)	142	66	76	--	--	76	76	--
	2460+41'BC'	-	2471+00'BC'	7	CTH B SB EXIT RAMP	1,918	784	1,134	--	--	1,134	1,134	--
	2471+00'BC'	-	2471+50'BC'	7	CTH B SB EXIT MAINLINE TRANSITION (NOTE 7)	60	28	32	--	--	32	32	--
	2471+00	-	2485+85	7	USH 53 SB SHOULDER REPLACEMENT (NOTE 7)	252	252	--	--	--	--	--	--
	2446+05'BD'	-	2456+59'BD'	7	CTH B SB ENTRANCE RAMP	2,002	781	1,221	--	--	1,221	1,221	--
	2456+59'BD'	-	2457+18'BD'	7	CTH B SB ENTRANCE RAMP TRANSITION (NOTE 7)	94	44	50	--	--	50	50	--
SUBTOTAL						7,607	3,289	4,318	--	--	4,318	4,318	--
15													
	2244+50	-	2245+70	8A	USH 53 SB MAINLINE TRANSITION (NOTE 7)	267	92	175	--	--	175	175	--
	2245+70	-	2298+69	8A	USH 53 SB	15,411	6,967	8,444	--	--	8,444	8,444	--
	2306+50	-	2323+47	8A	USH 53 SB	4,626	2,231	2,395	68	89	2,306	2,306	--
	2325+04	-	2341+01	8A	USH 53 SB	4,440	2,100	2,340	35	47	2,293	2,293	--
	2347+24	-	2471+00	8A	USH 53 SB	36,320	16,272	20,048	--	--	20,048	20,048	--
	2471+00	-	2485+85	8A	USH 53 SB PASSING LANE	1,691	976	715	--	--	715	715	--
	2485+85	-	2486+35	8A	USH 53 SB MAINLINE TRANSITION (NOTE 7)	56	46	10	--	--	10	10	--
	11+07'SC2'	-	14+62'SC2'	8A	CTH S SB EXIT RAMP GORE PAVING	198	13	185	--	--	185	185	--
	14+59'SC2'	-	17+00'SC2'	8A	CTH S SB EXIT TEMPORARY RAMP CROSSOVER 2	98	11	87	99	129	-42	-42	--
	60+88'SD2'	-	63+60'SD2'	8A	CTH S SB ENTRANCE TEMPORARY RAMP CROSSOVER 2	134	12	122	298	387	-265	-265	--
SUBTOTAL						63,240	28,721	34,519	500	652	33,867	33,867	--
16													
	2298+69	-	2306+50	8B	USH 53 SB	2,416	1,027	1,389	--	--	1,389	1,389	--
	2341+01	-	2347+24	8B	USH 53 SB	1,942	819	1,123	--	--	1,123	1,123	--
	2471+00	-	2485+85	8B	USH 53 SB DRIVING LANE	2,129	976	1,153	--	--	1,153	1,153	--
	2485+85	-	2486+35	8B	USH 53 SB MAINLINE TRANSITION (NOTE 7)	56	46	10	--	--	10	10	--
SUBTOTAL						6,543	2,868	3,674	--	--	3,674	3,674	--
17													
	203+26'T2'	-	226+00'T2'	9A	REMOVAL MIDDLE PROJECT TEMPORARY MAINLINE CROSSOVER 2/3 (NOTE 7)	4,247	1,181	3,066	--	--	3,066	3,066	--
	400+00'TM4'	-	423+42'TM4'	9A	MIDDLE PROJECT TEMPORARY MAINLINE CROSSOVER 4	1,126	113	1,013	903	1,177	-164	-164	--
	2296+53	-	2297+26	9A	MAINTENANCE CROSSOVER	90	23	67	--	--	67	67	--
	2355+89	-	2356+63	9A	MAINTENANCE CROSSOVER	104	23	81	--	--	81	81	--
	2431+07	-	2431+81	9A	MAINTENANCE CROSSOVER	108	22	86	7	9	77	77	--
	2482+90	-	2483+64	9A	MAINTENANCE CROSSOVER	110	20	90	--	--	90	90	--
	2285+15	-	2323+16	9A	REMOVAL CTH S SB EXIT TEMPORARY RAMP CROSSOVERS (NOTE 7)	4,982	762	4,220	--	--	4,220	4,220	--
	2325+35	-	2358+92	9A	REMOVAL CTH S SB ENTRANCE TEMPORARY RAMP CROSSOVERS (NOTE 7)	4,894	630	4,264	--	--	4,264	4,264	--
SUBTOTAL						15,661	2,773	12,888	910	1,186	11,702	11,702	--
18													
	2307+71'SD'	-	2313+73'SD'	9B	CTH S SB ENTRANCE RAMP ULTIMATE SHOULDER REPLACEMENT (NOTE 7)	65	65	--	--	--	--	--	--
	2336+59'SC'	-	2338+59'SC'	9B	CTH S SB ENTRANCE RAMP ULTIMATE SHOULDER REPLACEMENT (NOTE 7)	20	20	--	--	--	--	--	--
SUBTOTAL						85	85	--	--	--	--	--	--
19													
	2082+91	-	2158+40	10A	USH 53 SB	23,267	9,926	13,341	545	716	12,625	12,625	--
	2164+68	-	2168+87	10A	USH 53 SB	1,129	551	578	--	--	578	578	--
	2170+54	-	2177+93	10A	USH 53 SB	2,279	972	1,307	6	8	1,299	1,299	--
	2187+91	-	2245+70	10A	USH 53 SB	17,047	7,598	9,449	6	8	9,441	9,386	--
	2199+95	-	2200+99	10A	RIPRAP FLUME SCOUR REPAIR (NOTE 7)	--	--	--	42	55	-55	--	--
	25+57'XC12'	-	26+09'XC1'	10A	BUS 29 SB EXIT TEMPORARY RAMP CROSSOVER 1 SHOULDER REPLACEMENT (NOTE 7)	4	4	--	--	--	--	--	--
	26+09'XC1'	-	30+25'XC1'	10A	BUS 29 SB EXIT TEMPORARY RAMP CROSSOVER 1	188	19	169	132	172	-3	-3	--
SUBTOTAL						43,914	19,069	24,845	731	959	23,886	23,886	--
20													
	2177+93	-	2179+25	10B	USH 53 SB	416	174	242	16	22	220	220	--
	2181+71	-	2187+91	10B	USH 53 SB	1,751	815	936	1	1	935	935	--
SUBTOTAL						2,167	989	1,178	17	23	1,155	1,155	--

NOTES:
1) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS THE EXISTING CONCRETE AND ASPHALT PAVEMENT VOLUME, NOT AVAILABLE FOR FILL (MATERIAL TO BE WASTED)
3) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL.
4) EXPANDED FILL FACTOR = UNEXPANDED FILL * FILL FACTOR
5) 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.
6) WASTE MATERIAL TO BE USED AT DIFFERENT LOCATIONS IN THE SAME DIVISION.
7) NO CROSS SECTIONS. EXCAVATION BASED ON LENGTH * WIDTH * DEPTH

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EARTHWORK SUMMARY CONT'D

DIVISION	STATION	TO	STATION	STAGE	LOCATION	205.0100 EXCAVATION COMMON CUT (NOTE 1) (CY)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (NOTE 2) (CY)	AVAILABLE MATERIAL (NOTE 3)	UNEXPANDED FILL	EXPANDED FILL FACTOR (NOTE 4) 1.30	MASS ORDINATE +/- (NOTE 5)	WASTE (NOTE 6)	208.0100 BORROW (CY)
21													
	2089+61	-	2090+35	11A	MAINTENANCE CROSSOVER	128	31	97	--	--	97	97	--
	2153+62	-	2154+36	11A	MAINTENANCE CROSSOVER	150	23	127	--	--	127	127	--
	2190+29	-	2191+03	11A	MAINTENANCE CROSSOVER	153	22	131	--	--	131	131	--
	200+00'T2'	-	226+00'T2'	11A	REMOVAL SOUTH PROJECT LIMIT TEMPORARY MAINLINE CROSSOVER 2 (NOTE 7)	5,794	608	5,186	--	--	5,186	5,186	--
	26+09'XC1'	-	39+98'XC1'	11A	REMOVAL BUS 29 SB EXIT TEMPORARY RAMP CROSSOVER 1 (NOTE 7)	2,006	342	1,664	--	--	1,664	1,664	--
	400+00'TM4'	-	423+42'TM4'	11A	REMOVAL MIDDLE PROJECT TEMPORARY MAINLINE CROSSOVER 4 (NOTE 7)	2,589	426	2,163	--	--	2,163	2,163	--
SUBTOTAL						10,820	1,452	9,368	--	--	9,368	9,368	--
PROJECT TOTAL						326,952	125,413	201,539	23,420	30,477	171,062	178,682	7,620

NOTES:
1) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS THE EXISTING CONCRETE AND ASPHALT PAVEMENT VOLUME, NOT AVAILABLE FOR FILL (MATERIAL TO BE WASTED)
3) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL.
4) EXPANDED FILL FACTOR = UNEXPANDED FILL * FILL FACTOR
5) 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.
6) WASTE MATERIAL TO BE USED AT DIFFERENT LOCATIONS IN THE SAME DIVISION.
7) NO CROSS SECTIONS. EXCAVATION BASED ON LENGTH * WIDTH * DEPTH

BASE AGGREGATE ITEMS

STAGE	STATION	TO	STATION	OFFSET	209.1500 BACKFILL GRANULAR GRADE 1 TON	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	COMMENTS
1A	1113+43	-	1138+98	LT	--	704	3,415	SOUTH LIMIT TEMP CROSSOVER
1A	1286+57	-	1309+97	LT	--	562	2,755	MID-PROJECT TEMP CROSSOVER
1A	1342+79	-	1362+41	LT	--	429	3,166	CTH S NB EXIT RAMP TEMP CROSSOVERS
1A	1394+87	-	1413+97	LT	--	426	3,074	CTH S NB ENTRANCE RAMP TEMP CROSSOVERS
1A	1482+21	-	1499+15	LT	--	348	2,813	CTH B NB EXIT RAMP TEMP CROSSOVERS
1A	1547+48	-	1571+32	LT	--	786	5,503	NORTH LIMIT TEMP CROSSOVER
1A	2084+26	-	2085+05	RT	--	22	--	TEMP GUARDRAIL
1A	2155+20	-	2158+32	RT	--	163	--	TEMP GUARDRAIL
1A	2175+77	-	2179+17	RT	--	175	--	TEMP GUARDRAIL
1A	2319+76	-	2323+27	RT	--	175	--	TEMP GUARDRAIL
1B	2082+92	-	2083+80	LT	--	48	--	TEMP GUARDRAIL
1B	2108+92	-	2110+44	LT	--	83	--	TEMP GUARDRAIL
1B	2135+25	-	2136+55	LT	--	52	--	TEMP GUARDRAIL
1B	2157+31	-	2158+23	LT	--	20	--	TEMP GUARDRAIL
1B	2320+88	-	2322+28	LT	--	62	--	TEMP GUARDRAIL
1B	1495+61'BA'	-	1503+00'BA'	LT	--	117	563	CTH B NB EXIT RAMP TEMP WIDENING
STAGE 1 TOTALS					--	4,172	21,289	
2A	205+80'EB'	-	209+23'EB'	RT	--	21	--	CTH S EB WIDENING
2A	220+93'EB'	-	233+95'EB'	RT	--	111	--	CTH S EB WIDENING
2A	204+06'WB'	-	209+74'WB'	LT & RT	--	10	244	CTH S WB WIDENING & TEMP MEDIAN ISLAND
2A	211+26'WB'	-	213+82'WB'	LT	--	22	--	CTH S WB WIDENING
2A	221+46'WB'	-	234+32'WB'	LT	--	109	--	CTH S WB WIDENING
2B	209+89'EB'	-	220+93'EB'	RT	4,575	140	1,780	CTH S EB
2B	1359+20'SA'	-	1375+28'SA'	LT & RT	--	209	1,897	CTH S NB EXIT RAMP
2B	2304+32'SD'	-	2324+97'SD'	LT & RT	--	280	2,887	CTH S SB ENTRANCE RAMP
2C	210+23'WB'	-	221+00'WB'	LT	3,845	94	1,712	CTH S WB
2C	1374+18'SB'	-	1397+57'SB'	LT & RT	--	318	2,672	CTH S NB ENTRANCE RAMP
2C	2326+06'SC'	-	2344+27'SC'	LT & RT	--	238	2,565	CTH S SB EXIT RAMP
STAGE 2 TOTALS					8,420	1,552	13,757	
3A	1298+00	-	1354+46	LT & RT	--	649	14,534	USH 53 NB & MAINLINE TRANSITION
3A	1362+39	-	1375+47	LT & RT	--	330	4,111	USH 53 NB & TEMP RAMP CROSSOVER
3A	1377+05	-	1395+01	LT & RT	--	293	4,761	USH 53 NB & TEMP RAMP CROSSOVER
3A	1401+52	-	1492+59	LT & RT	--	1,062	23,695	USH 53 NB
3A	1498+72	-	1538+50	LT & RT	--	592	11,094	USH 53 NB, TEMP RAMP CROSSOVER, & MAINLINE TRANSITION
3B	1354+46	-	1364+93	LT & RT	--	166	2,887	USH 53 NB & CTH S EXIT RAMP TIE-IN
3B	1392+80	-	1401+52	LT & RT	--	147	2,460	USH 53 NB & CTH S ENTRANCE TIE-IN
3B	1492+59	-	1498+72	LT & RT	--	118	2,085	USH 53 NB & CTH B EXIT RAMP TIE-IN
STAGE 3 TOTALS					--	3,357	65,627	
4	1286+57	-	1309+97	LT	--	505	3,248	MID-PROJECT TEMP CROSSOVER
4	1362+88	-	1368+24	LT & RT	--	27	371	USH 53 NB SHLDR & CTH S NB EXIT RAMP GORE
4	1385+36	-	1394+25	LT & RT	--	100	750	USH 53 NB SHLDR & CTH S NB ENTRANCE RAMP SHLDR
4	1499+40	-	1501+18	LT	--	15	133	USH 53 NB SHLDR
STAGE 4 TOTALS					--	647	4,502	
5	1132+14	-	1210+81	LT & RT	--	1,242	21,154	USH 53 NB
5	1217+08	-	1221+07	LT & RT	--	105	1,154	USH 53 NB
5	1222+74	-	1231+43	LT & RT	--	136	2,541	USH 53 NB & BUS 29 RAMP TIE-INS
5	1233+90	-	1299+50	LT & RT	--	919	17,897	USH 53 NB & MID-PROJECT TEMP CROSSOVER
STAGE 5 TOTALS					--	2,402	42,746	
6A	1222+74'XA'	-	1233+85'XA'	LT & RT	--	39	1,709	BUS 29 NB EXIT RAMP
6A	1220+27'XB'	-	1231+43'XB'	LT & RT	--	103	1,547	BUS 29 NB ENTRANCE RAMP
6A	2167+42'XC'	-	2179+25'XC'	LT & RT	--	118	1,654	BUS 29 SB EXIT RAMP & TEMP TRANSITION
6A	2170+54'XD'	-	2181+49'XD'	LT & RT	--	40	1,902	BUS 29 SB ENTRANCE RAMP & TEMP GORE
6B	1113+43	-	1119+94	LT	--	56	323	USH 53 NB SHLDR
6B	2060+29	-	2086+41	RT	--	626	3,594	SOUTH LIMIT TEMP CROSSOVER
6B	2073+71	-	2082+91	RT	--	79	448	USH 53 SB SHLDR
6B	2184+11	-	2198+51	RT	--	248	1,858	BUS 29 SB EXIT RAMP TEMP CROSSOVER
6B	2285+15	-	2313+82	RT	--	473	3,563	CTH S SB EXIT RAMP TEMP CROSSOVER
6B	2336+59	-	2358+92	RT	--	391	3,033	CTH S SB ENTRANCE RAMP TEMP CROSSOVER
STAGE 6 TOTALS					--	2,173	19,631	
7	1500+00'BA'	-	1509+94'BA'	LT & RT	--	202	1,960	CTH B NB EXIT RAMP
7	1511+25'BB'	-	1521+08'BB'	LT & RT	--	183	1,766	CTH B NB ENTRANCE RAMP
7	2459+52'BC'	-	2471+50'BC'	LT & RT	--	167	1,672	CTH B SB EXIT RAMP
7	2446+05'BD'	-	2457+18'BD'	LT & RT	--	211	1,915	CTH B SB ENTRANCE RAMP
STAGE 7 TOTALS					--	763	7,313	

BASE AGGREGATE ITEMS CONT'D

STAGE	STATION	TO	STATION	OFFSET	209.1500 BACKFILL GRANULAR GRADE 1 TON	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	COMMENTS
8A	2244+50	-	2298+69	LT & RT	--	626	14,015	USH 53 SB & MAINLINE TRANSITION
8A	2306+34	-	2323+45	LT & RT	--	225	4,368	USH 53 SB & TEMP RAMP CROSSOVER
8A	2325+05	-	2341+01	LT & RT	--	316	4,470	USH 53 SB & TEMP RAMP CROSSOVER
8A	2347+24	-	2488+80	LT & RT	--	1,537	33,714	USH 53 SB, MAINLINE TRANSITION, & SHLDR REPLACEMENT
8B	2298+69	-	2307+71	LT & RT	--	161	2,380	USH 53 SB & CTH S RAMP TIE-IN
8B	2338+59	-	2347+24	LT & RT	--	124	1,949	USH 53 SB & CTH S RAMP TIE-IN
8B	2466+22	-	2486+35	LT & RT	--	131	2,557	USH 53 SB, MAINLINE TRANSITION, & CTH B RAMP TIE-IN
STAGE 8 TOTALS					--	3,120	63,453	
9A	1286+57	-	1309+97	LT	--	655	3,361	MID-PROJECT TEMP CROSSOVER & USH 53 NB SHLDR
9A	2296+53	-	2297+27	RT	--	13	176	MAINTENANCE CROSSOVER
9A	2306+50	-	2309+08	RT	--	22	193	USH 53 SB SHLDR
9A	2338+48	-	2340+06	RT	--	14	118	USH 53 SB SHLDR
9A	2355+89	-	2356+63	RT	--	13	175	MAINTENANCE CROSSOVER
9A	2431+07	-	2431+81	RT	--	13	175	MAINTENANCE CROSSOVER
9A	2482+91	-	2483+64	RT	--	13	167	MAINTENANCE CROSSOVER
9B	2307+71'SD'	-	2313+73'SD'	LT	--	63	389	CTH S SB ENTRANCE RAMP SHLDR
9B	2335+07'SC'	-	2338+59'SC'	LT & RT	--	42	352	CTH S SB EXIT RAMP SHLDR & GORE
9B	2485+85	-	2524+82	RT	--	186	231	USH 53 SB SHLDR
9B	1547+48	-	1571+32	LT	--	195	253	USH 53 NB SHLDR
STAGE 9 TOTALS					--	1,229	5,590	
10A	2082+91	-	2158+41	LT & RT	--	1,167	20,390	USH 53 SB
10A	2164+93	-	2168+22	LT & RT	--	111	1,361	USH 53 SB
10A	2170+54	-	2177+93	LT & RT	--	104	1,995	USH 53 SB & BUS 29 RAMP TIE-IN
10A	2188+75	-	2245+70	LT & RT	--	702	14,920	USH 53 SB & BUS 29 EXIT RAMP TEMP CROSSOVER
10B	2177+59	-	2179+25	LT & RT	--	7	371	USH 53 SB & BUS 29 RAMP TIE-IN
10B	2181+71	-	2188+75	LT & RT	--	182	2,129	USH 53 SB
STAGE 10 TOTALS					--	2,273	41,166	
11A	2060+29	-	2073+71	RT	--	115	152	USH 53 SB SHLDR
11A	1126+97	-	1138+95	LT	--	103	127	USH 53 NB SHLDR
11A	1142+09	-	1142+82	LT	--	17	230	MAINTENANCE CROSSOVER
11A	1205+78	-	1206+52	LT	--	12	170	MAINTENANCE CROSSOVER
11A	1241+94	-	1250+67	LT	--	81	568	USH 53 NB SHLDR & MAINTENANCE CROSSOVER
11A	1286+57	-	1297+78	LT	--	96	547	USH 53 NB SHLDR
11A	2247+56	-	2257+87	RT	--	88	502	USH 53 SB SHLDR
STAGE 11 TOTALS					--	512	2,296	
TOTALS					8,420	22,200	287,370	

CONCRETE SURFACE DRAINS

STAGE	STATION	OFFSET	602.3010 CONCRETE SURFACE DRAINS CY
3A	1374+94	LT	1.1
STAGE 3 TOTAL			1.1
5	1210+19	LT	1.1
5	1210+25	RT	1.1
5	1220+51	LT	1.1
5	1220+53	RT	1.1
5	1230+90	LT	1.1
STAGE 5 TOTAL			5.5
8A	2322+92	LT	1.1
STAGE 8 TOTAL			1.1
10A	2158+04	LT	1.1
10A	2158+13	RT	1.1
10A	2168+31	LT	1.1
10A	2168+33	RT	1.1
10A	2178+95	RT	1.1
STAGE 10 TOTAL			5.5
TOTAL			13.2

CONCRETE PAVEMENT ITEMS

STAGE	STATION	TO	STATION	OFFSET	415.0080 CONCRETE PAVEMENT 8-INCH SY	415.0085 CONCRETE PAVEMENT 8 1/2-INCH SY	415.0100 CONCRETE PAVEMENT 10-INCH SY	415.0105 CONCRETE PAVEMENT 10 1/2-INCH SY	415.0410 CONCRETE PAVEMENT APPROACH SLAB SY	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH	SPV.0090.01 CONCRETE SILANE SEALER FOR PCC SAW CUTS LF	SPV.0180.01 FULLY AUTOMATED RESIN BINDER HIGH FRICTION SURFACE TREATMENT SY	COMMENTS
2B	209+89'EB'	-	220+93'EB	LT & RT	--	--	2,700	--	--	72	24	2,515	--	CTH S EB
2B	1362+81'SA'	-	1375+28'SA'	LT & RT	--	2,305	--	--	--	--	--	1,491	--	CTH S NB EXIT RAMP
2B	2307+71'SD'	-	2325+26'SD'	LT & RT	--	3,066	--	--	--	--	--	1,947	--	CTH S SB ENTRANCE RAMP
2C	204+07'EB'	-	206+69'EB'	LT	--	--	--	--	--	216	--	--	--	MEDIAN ISLAND
2C	210+23'WB'	-	219+56'WB'	LT & RT	--	--	2,160	--	--	14	36	2,028	--	CTH S WB
2C	1374+18'SB'	-	1392+80'SB'	LT & RT	--	3,240	--	--	--	--	--	2,061	--	CTH S NB ENTRANCE RAMP
2C	2326+06'SC'	-	2338+60'SC'	LT & RT	--	2,395	--	--	--	--	--	1,508	--	CTH S SB EXIT RAMP
STAGE 2 TOTALS					--	11,006	4,860	--	--	303	60	11,550	--	
3A	1299+50	-	1354+46	LT & RT	--	--	--	15,880	--	--	--	15,022	--	USH 53 NB
3A	1362+39	-	1375+47	LT & RT	38	--	--	3,698	60	--	--	3,575	--	USH 53 NB
3A	1377+05	-	1395+01	LT & RT	35	--	--	5,100	60	--	--	4,909	--	USH 53 NB
3A	1401+52	-	1492+59	LT & RT	--	11	--	26,310	--	--	--	24,892	--	USH 53 NB
3A	1498+72	-	1538+00	LT & RT	--	995	--	11,349	--	--	16	11,247	--	USH 53 NB & CTH B RAMP TIE-IN
3B	1354+46	-	1362+39	LT & RT	--	522	--	2,291	--	--	--	2,547	--	USH 53 NB & CTH S RAMP TIE-IN
3B	1395+01	-	1401+52	LT & RT	--	903	--	1,881	--	--	--	2,304	--	USH 53 NB & CTH S RAMP TIE-IN
3B	1492+59	-	1498+72	LT & RT	--	219	--	1,771	--	--	--	2,016	--	USH 53 NB & CTH B RAMP TIE-IN
STAGE 3 TOTALS					73	2,650	--	68,280	120	--	16	66,512	--	
5	1132+77	-	1210+81	LT & RT	18	--	--	22,476	55	--	18	21,334	--	USH 53 NB
5	1217+08	-	1221+07	LT & RT	180	--	--	1,034	100	--	--	1,207	--	USH 53 NB & BUS 29 RAMP TIE-IN
5	1222+74	-	1231+43	LT & RT	194	--	--	2,424	145	--	--	2,375	--	USH 53 NB & BUS 29 RAMP TIE-IN
5	1233+90	-	1299+50	LT & RT	623	--	--	18,908	65	--	18	18,331	--	USH 53 NB & BUS 29 RAMP TIE-IN
STAGE 5 TOTALS					1,015	--	--	44,842	365	--	36	43,246	--	
6A	1223+76'XA'	-	1233+97'XA'	LT & RT	2,181	--	--	--	--	42	8	1,433	--	BUS 29 NB EXIT RAMP
6A	1220+27'XB'	-	1231+29'XB'	LT & RT	2,211	--	--	--	--	55	10	1,201	--	BUS 29 NB ENTRANCE RAMP
6A	2167+32'XC'	-	2177+90'XC'	LT & RT	2,040	--	--	--	--	43	8	1,286	--	BUS 29 SB EXIT RAMP
6A	2164+67'XD'	-	2181+49'XD'	LT & RT	2,420	--	--	--	--	52	8	1,399	--	BUS 29 SB ENTRANCE RAMP
STAGE 6 TOTALS					8,852	--	--	--	--	192	34	5,320	--	
7	1500+00'BA'	-	1509+08'BA'	LT & RT	--	1,514	--	--	--	--	10	908	--	CTH B NB EXIT RAMP
7	1512+03'BB'	-	1521+08'BB'	LT & RT	--	1,526	--	--	--	--	10	905	--	CTH B NB ENTRANCE RAMP
7	2460+41'BC'	-	2471+00'BC'	LT & RT	--	1,714	--	--	--	--	--	1,109	--	CTH B SB EXIT RAMP
7	2446+05'BD'	-	2456+59'BD'	LT & RT	--	1,760	--	--	--	--	--	1,054	--	CTH S SB ENTRANCE RAMP
STAGE 7 TOTALS					--	6,514	--	--	--	--	20	3,976	--	
8A	2245+70	-	2298+69	LT & RT	--	--	--	15,308	--	--	--	14,488	--	USH 53 SB
8A	2306+50	-	2323+45	LT & RT	49	--	--	4,815	60	--	10	4,633	--	USH 53 SB
8A	2325+05	-	2341+01	LT & RT	31	311	--	4,524	60	--	10	4,362	--	USH 53 SB
8A	2347+24	-	2485+85	LT & RT	--	848	--	37,733	--	--	8	35,500	--	USH 53 SB & USH 53 SB PASSING LANE
8B	2298+69	-	2307+76	LT & RT	--	894	--	2,256	--	--	--	2,989	--	USH 53 SB & CTH S RAMP TIE-IN
8B	2341+01	-	2347+24	LT & RT	--	173	--	1,800	--	--	--	2,043	--	USH 53 SB & CTH S RAMP TIE-IN
8B	2471+00	-	2485+85	LT & RT	--	244	--	2,310	--	--	10	1,686	--	USH 53 SB DRIVING LANE & CTH B RAMP TIE-IN
STAGE 8 TOTALS					80	2,470	--	68,746	120	--	38	65,702	--	
10A	2082+91	-	2158+41	LT & RT	15	--	--	21,748	55	--	18	20,640	--	USH 53 SB
10A	2164+75	-	2168+86	LT & RT	580	--	--	1,095	100	--	--	1,511	--	USH 53 SB & BUS 29 RAMP TIE-IN
10A	2170+55	-	2177+93	LT & RT	15	--	--	2,089	80	--	--	2,017	--	USH 53 SB & BUS 29 RAMP TIE-IN
10A	2188+75	-	2245+70	LT & RT	--	--	--	16,452	--	--	18	15,640	--	USH 53 SB
10B	2177+93	-	2179+25	LT & RT	230	--	--	338	65	--	10	361	--	USH 53 SB & BUS 29 RAMP TIE-IN
10B	2181+71	-	2188+75	LT & RT	120	--	--	1,990	45	--	--	1,924	--	USH 53 SB & BUS 29 RAMP TIE-IN
STAGE 10 TOTALS					960	--	--	43,712	345	--	46	42,093	--	
11A & 11B	1217+08	-	1221+07	LT & RT	--	--	--	--	--	--	--	--	1,272	USH 53 NB & BUS 29 RAMP TIE-IN
11A & 11B	1222+74	-	1231+43	LT & RT	--	--	--	--	--	--	--	--	3,444	USH 53 NB & BUS 29 RAMP TIE-IN
11A & 11B	2177+93	-	2179+25	LT & RT	--	--	--	--	--	--	--	--	1,706	USH 53 SB & BUS 29 RAMP TIE-IN
11A & 11B	2181+71	-	2188+75	LT & RT	--	--	--	--	--	--	--	--	3,478	USH 53 SB & BUS 29 RAMP TIE-IN
STAGE 10 TOTALS					--	--	--	--	--	--	--	--	9,900	
TOTALS					10,980	22,640	4,860	225,580	950	495	250	238,400	9,900	

ASPHALT ITEMS (ADDITIONAL QUANTITIES SHOWN ON FOLLOWING PAGE)

STAGE	STATION	TO	STATION	OFFSET	450.4000 HMA COLD WEATHER PAVING TON	455.0605 TACK COAT GAL	460.6244 HMA PAVEMENT 4 MT 58-34 S TON	465.0105 ASPHALTIC SURFACE TON	465.0110 ASPHALTIC SURFACE PATCHING TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	465.0315 ASPHALTIC FLUMES SY	COMMENTS
1A	1113+43	-	1138+98	LT	--	--	--	--	--	1,070	--	SOUTH LIMIT TEMP CROSSOVER
1A	1286+57	-	1309+97	LT	--	--	--	--	--	838	--	MID-PROJECT TEMP CROSSOVER
1A	1342+79	-	1362+41	LT	--	--	--	--	--	1,165	--	CTH S NB EXIT RAMP TEMP CROSSOVERS
1A	1394+87	-	1413+97	LT	--	--	--	--	--	1,118	--	CTH S NB ENTRANCE RAMP TEMP CROSSOVERS
1A	1482+61	-	1499+15	LT	--	--	--	--	--	1,081	--	CTH B NB EXIT RAMP TEMP CROSSOVERS
1A	1547+48	-	1571+32	LT	--	--	--	--	--	2,087	--	NORTH LIMIT TEMP CROSSOVER
1B	1495+61'BA'	-	1503+00'BA'	LT	--	--	--	--	--	210	--	CTH B NB EXIT RAMP TEMP WIDENING
STAGE 1 TOTALS					--	--	--	--	--	7,569	--	
2A	205+80'EB'	-	209+23'EB'	RT	--	12	42	--	--	--	--	CTH S EB WIDENING
2A	220+93'EB'	-	233+95'EB'	RT	--	29	96	--	--	--	--	CTH S EB WIDENING
2A	204+06'WB'	-	209+74'WB'	LT & RT	--	2	8	--	--	135	--	CTH S WB WIDENING & TEMP MEDIAN ISLAND
2A	211+26'WB'	-	213+82'WB'	LT	--	--	--	--	--	15	--	CTH S WB WIDENING
2A	221+46'WB'	-	234+32'WB'	LT	--	27	91	--	--	--	--	CTH S WB WIDENING
2B	209+89'EB'	-	220+93'EB'	RT	--	67	224	--	--	--	30	CTH S EB
2B	1359+20'SA'	-	1375+28'SA'	LT & RT	--	340	176	--	--	200	--	CTH S NB EXIT RAMP
2B	2304+32'SD'	-	2324+97'SD'	LT & RT	--	476	247	--	--	290	--	CTH S SB ENTRANCE RAMP
2C	210+23'WB'	-	221+00'WB'	LT	--	266	132	--	--	--	9	CTH S WB
2C	1374+18'SB'	-	1397+57'SB'	LT & RT	--	536	277	--	--	326	--	CTH S NB ENTRANCE RAMP
2C	2326+06'SC'	-	2344+27'SC'	LT & RT	--	441	227	--	--	298	--	CTH S SB EXIT RAMP
STAGE 2 TOTALS					--	2,196	1,521	--	--	1,265	39	
3A	1298+00	-	1354+46	LT & RT	823	367	1,645	--	--	213	--	USH 53 NB & MAINLINE TRANSITION
3A	1362+39	-	1375+47	LT & RT	176	79	353	--	--	258	--	USH 53 NB & TEMP RAMP CROSSOVER
3A	1377+05	-	1395+01	LT & RT	236	105	473	--	--	137	17	USH 53 NB & TEMP RAMP CROSSOVER
3A	1401+52	-	1492+59	LT & RT	1359	606	2,715	--	--	--	--	USH 53 NB SHLDR
3A	1498+72	-	1538+50	LT & RT	484	216	968	71	--	501	--	USH 53 NB, MAINLINE TRANSITION & TEMP RAMP CROSSOVER
3B	1354+46	-	1364+93	LT & RT	113	50	226	--	--	--	--	USH 53 NB SHLDR
3B	1392+80	-	1401+52	LT & RT	88	39	176	--	--	--	--	USH 53 NB SHLDR
3B	1492+59	-	1498+72	LT & RT	84	38	169	--	--	--	--	USH 53 NB SHLDR
STAGE 3 TOTALS					3,363	1,500	6,724	71	--	1,109	17	
4	1286+57	-	1309+97	LT	--	--	--	--	--	1,185	--	MID-PROJECT TEMP CROSSOVER
4	1348+64	-	1349+38	LT	--	--	--	--	--	56	--	RE-PAVE MAINTENANCE CROSSOVER FOR WINTER USE
4	1362+88	-	1368+24	LT & RT	41	19	83	--	--	--	--	USH 53 NB SHLDR & CTH S NB EXIT RAMP GORE
4	1385+36	-	1394+25	LT & RT	65	29	129	--	--	--	--	USH 53 NB SHLDR & CTH S NB ENTRANCE RAMP SHLDR
4	1408+35	-	1409+09	LT	--	--	--	--	--	56	--	RE-PAVE MAINTENANCE CROSSOVER FOR WINTER USE
4	1483+18	-	1483+91	LT	--	--	--	--	--	55	--	RE-PAVE MAINTENANCE CROSSOVER FOR WINTER USE
4	1499+40	-	1501+18	LT	9	4	18	--	--	--	--	USH 53 NB SHLDR
4	1535+08	-	1535+81	LT	--	--	--	--	--	30	--	RE-PAVE MAINTENANCE CROSSOVER FOR WINTER USE
STAGE 4 TOTALS					115	52	230	--	--	1,382	--	
5	1132+50	-	1210+15	LT & RT	--	520	2,330	--	--	--	--	USH 53 NB SHLDR
5	1217+32	-	1220+42	LT & RT	--	16	74	--	--	--	--	USH 53 NB SHLDR
5	1222+90	-	1231+29	LT & RT	--	54	243	--	--	76	--	USH 53 NB & BUS 29 RAMP TIE-INS
5	1234+05	-	1299+50	LT & RT	--	430	1,924	--	--	141	--	USH 53 NB & MID-PROJECT TEMP CROSSOVER
STAGE 5 TOTALS					--	1,020	4,571	--	--	217	--	
6A	1224+77'XA'	-	1228+30'XA'	LT & RT	--	16	70	--	--	--	--	BUS 29 NB EXIT RAMP
6A	1220+99'XB'	-	1230+38'XB'	LT & RT	--	30	136	--	--	--	--	BUS 29 NB ENTRANCE RAMP
6A	2167+44'XC'	-	2178+40'XC'	LT & RT	--	31	140	--	--	63	--	BUS 29 SB EXIT RAMP & TEMP TRANSITION
6A	2170+54'XD'	-	2175+54'XD'	LT & RT	--	10	45	--	--	47	--	BUS 29 SB ENTRANCE RAMP & TEMP GORE
6B	1113+43	-	1119+94	LT	--	17	75	--	--	--	--	USH 53 NB SHLDR
6B	2060+29	-	2086+41	RT	--	--	--	--	--	1,225	--	SOUTH LIMIT TEMP CROSSOVER
6B	2073+71	-	2082+91	RT	--	20	92	--	--	--	--	USH 53 SB SHLDR
6B	2184+11	-	2198+51	RT	--	--	--	--	--	690	--	BUS 29 SB EXIT RAMP TEMP CROSSOVER
6B	2285+15	-	2306+35	RT	--	--	--	--	--	1,326	--	CTH S SB EXIT RAMP TEMP CROSSOVER
6B	2340+90	-	2358+92	RT	--	--	--	--	--	1,144	--	CTH S SB ENTRANCE RAMP TEMP CROSSOVER
STAGE 6 TOTALS					--	124	557	--	--	4,495	--	
7	1500+00'BA'	-	1509+94'BA'	LT & RT	--	89	260	104	--	--	--	CTH B NB EXIT RAMP & TRANSITIONS
7	1511+25'BB'	-	1521+08'BB'	LT & RT	--	74	226	79	--	--	--	CTH B NB ENTRANCE RAMP & TRANSITIONS
7	2459+52'BC'	-	2467+73'BC'	LT & RT	--	65	163	97	--	--	--	CTH B SB EXIT RAMP & TRANSITIONS
7	2446+05'BD'	-	2457+18'BD'	LT & RT	--	69	231	59	--	--	--	CTH B SB ENTRANCE RAMP & TRANSITIONS
7	2466+23	-	2485+85	LT	--	--	--	--	--	540	--	USH 53 SB SHLDR & CTH B EXIT RAMP TEMP WIDENING
7	2485+85	-	2524+82	LT	--	--	--	--	15	--	--	FILL EXISTING RUMBLE STRIPS
STAGE 7 TOTALS					--	297	881	338	15	540	--	
8A	2244+50	-	2298+69	LT & RT	793	353	1,582	--	--	170	--	USH 53 SB & MAINLINE TRANSITION
8A	2306+34	-	2323+16	LT & RT	220	98	437	--	--	125	--	USH 53 SB & CTH S SB ENTRANCE RAMP TEMP CROSSOVER
8A	2325+35	-	2341+01	LT & RT	196	87	392	--	--	210	--	USH 53 SB & CTH S SB EXIT RAMP TEMP CROSSOVER
8A	2347+24	-	2488+80	LT & RT	2009	936	4,015	30	--	--	--	USH 53 SB, MAINLINE TRANSITION & SHLDR REPLACEMENT
8B	2298+69	-	2307+71	LT & RT	98	43	193	--	--	--	--	USH 53 SB SHLDR
8B	2338+59	-	2347+24	LT & RT	96	43	192	--	--	--	--	USH 53 SB SHLDR
8B	2466+22	-	2486+35	LT	162	85	324	41	--	--	--	USH 53 SB & MAINLINE TRANSITION
STAGE 8 TOTALS					3,574	1,645	7,136	71	--	505	--	

ASPHALT ITEMS CONT'D

STAGE	STATION	TO	STATION	OFFSET	450.4000 HMA COLD WEATHER PAVING TON	455.0605 TACK COAT GAL	460.6244 HMA PAVEMENT 4 MT 58-34 S TON	465.0105 ASPHALTIC SURFACE TON	465.0110 ASPHALTIC SURFACE PATCHING TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	465.0315 ASPHALTIC FLUMES SY	COMMENTS
9A	1286+57	-	1309+97	LT	61	27	121	--	--	860	--	MID-PROJECT TEMP CROSSOVER & USH 53 NB SHLDR
9A	2296+53	-	2297+27	RT	22	10	44	--	--	--	--	MAINTENANCE CROSSOVER
9A	2306+50	-	2309+08	RT	13	6	26	--	--	--	--	USH 53 SB SHLDR
9A	2338+48	-	2340+06	RT	8	4	16	--	--	--	--	USH 53 SB SHLDR
9A	2355+89	-	2356+63	RT	22	10	44	--	--	--	--	MAINTENANCE CROSSOVER
9A	2431+07	-	2431+81	RT	22	10	44	--	--	--	--	MAINTENANCE CROSSOVER
9A	2482+91	-	2483+64	RT	21	9	41	--	--	--	--	MAINTENANCE CROSSOVER
9B	2307+71'SD'	-	2313+73'SD'	LT	37	17	75	--	--	--	--	CTH S SB ENTRANCE RAMP SHLDR
9B	2335+07'SC'	-	2338+59'SC'	LT & RT	43	19	85	--	--	--	--	CTH S SB EXIT RAMP SHLDR & GORE
9B	2485+85	-	2524+82	LT	243	303	485	--	--	--	--	USH 53 SB MILL & RELAY SHLDR
9B	1547+48	-	1571+32	LT	227	100	454	--	--	--	--	USH 53 NB & SB SHLDR
STAGE 9 TOTALS					718	515	1,437	--	--	860	--	
10A	2082+91	-	2158+03	LT & RT	--	505	2,265	--	--	--	--	USH 53 SB SHLDR
10A	2164+93	-	2168+22	LT & RT	--	16	72	--	--	--	--	USH 53 SB SHLDR
10A	2170+70	-	2177+93	LT & RT	--	54	241	--	--	208	--	USH 53 SB SHLDR'S & GORES
10A	2188+75	-	2245+70	LT & RT	--	380	1,705	--	--	--	--	USH 53 SB SHLDR & BUS 29 EXIT RAMP TEMP CROSSOVER
10B	2177+59	-	2178+84	LT & RT	--	8	34	--	--	--	--	USH 53 SB SHLDR & GORE
10B	2181+86	-	2188+75	LT & RT	--	47	210	--	--	--	--	USH 53 SB SHLDR
STAGE 10 TOTALS					--	1,010	4,526	--	--	208	--	
11A	2060+29	-	2073+71	RT	--	34	152	--	--	--	--	USH 53 SB SHLDR
11A	1126+97	-	1138+95	LT	--	27	119	--	--	--	--	USH 53 NB SHLDR
11A	1142+09	-	1142+82	LT	--	13	58	--	--	--	--	MAINTENANCE CROSSOVER
11A	1205+78	-	1206+52	LT	--	10	44	--	--	--	--	MAINTENANCE CROSSOVER
11A	1241+94	-	1250+67	LT	--	29	131	--	--	--	--	USH 53 NB SHLDR & MAINTENANCE CROSSOVER
11A	1286+57	-	1297+78	LT	--	25	112	--	--	--	--	USH 53 NB SHLDR
11A	2247+56	-	2257+87	RT	--	23	103	--	--	--	--	USH 53 SB SHLDR
STAGE 11 TOTALS					--	161	720	--	--	--	--	
UNDISTRIBUTED					--	--	--	--	250	--	--	EXISTING PAVEMENT REPAIRS
TOTALS					7,770	8,520	28,300	480	265	18,150	55	

TEMPORARY EMERGENCY PULLOUTS

STAGE	STATION	TO	STATION	OFFSET	205.3000.S TEMPORARY EMERGENCY PULLOUTS EACH	** EXCAVATION COMMON CY	** BASE AGGREGATE DENSE 1 1/4-INCH TON	** TOPSOIL SY	** FERTILIZER TYPE B CWT	** SEEDING MIXTURE NO. 30 LB	** MULCHING SY
1A	2112+75	-	2115+00	RT	1	37	75	161	0.2	4.7	161
1A	2139+25	-	2141+50	RT	1	127	253	231	0.2	5.9	231
1A	2174+25	-	2176+50	RT	1	92	184	208	0.2	5.4	208
1A	2208+25	-	2210+50	RT	1	163	326	293	0.2	7.1	293
1A	2277+75	-	2280+00	RT	1	123	246	231	0.2	6.0	231
1A	2313+00	-	2315+25	RT	1	166	331	357	0.3	8.2	357
1A	2383+00	-	2385+25	RT	1	395	791	529	0.4	11.4	529
1A	2426+00	-	2428+25	RT	1	90	180	207	0.2	5.5	207
1A	2469+25	-	2471+50	RT	1	209	417	365	0.3	8.4	365
STAGE 1A TOTALS					9	1,402	2,803	2,582	2.2	62.6	2,582
3A	1330+25	-	1332+50	LT	1	58	117	169	0.2	4.8	169
3A	1365+50	-	1367+75	LT	1	309	618	328	0.3	7.7	328
3A	1433+00	-	1435+25	LT	1	49	99	143	0.2	4.4	143
3A	1478+50	-	1480+75	LT	1	63	125	188	0.2	5.2	188
3A	1523+75	-	1526+00	LT	1	53	106	169	0.2	4.8	169
STAGE 3A TOTALS					5	533	1,066	997	0.9	26.9	997
5	1170+00	-	1172+25	LT	1	18	35	74	0.1	3.1	74
5	1202+50	-	1204+75	LT	1	78	157	197	0.2	5.3	197
5	1225+50	-	1227+75	LT	1	29	58	101	0.1	3.4	101
5	1330+25	-	1332+50	LT	1	72	144	196	0.2	5.3	196
STAGE 5 TOTALS					4	197	393	568	0.6	17.1	568
TOTALS					18	2,131	4,262	4,147	3.7	107	4,147

NOTES:
**NON-BID ITEM, ITEMS AND QUANTITIES LISTED FOR BID INFORMATION ONLY. ITEMS INCIDENTAL TO TEMPORARY EMERGENCY PULLOUTS.
EXCAVATION COMMON COMPUTATION INCLUDED FOR REMOVAL OF TEMPORARY EMERGENCY PULLOUTS AFTER USE (INCIDENTAL TO ITEM).

CONCRETE SIDEWALK ITEMS

STAGE	STATION	TO	STATION	OFFSET	602.0410 CONCRETE SIDEWALK 5-INCH SF	620.0300 CONCRETE MEDIAN SLOPED NOSE SF	SPV.0165.01 CONCRETE SIDEWALK CURE AND SEAL TREATMENT SF	COMMENTS
2B	211+08'EB'	-	211+16'EB'	LT	--	70	70	CTH S EB
2B	211+83'EB'	-	211+91'EB'	LT	--	75	75	CTH S EB
2B	1375+00'SA'	-	1375+28'SA'	RT	210	20	230	CTH S NB EXIT RAMP
2C	204+06'WB'	-	206+68'WB'	RT	--	130	130	CTH S WB
2C	211+90'WB'	-	212+86'WB'	RT	450	--	450	CTH S WB
2C	217+59'WB'	-	218+71'WB'	RT	530	75	605	CTH S WB
2C	2326+06'SC'	-	2326+52'SC'	LT	400	20	420	CTH S SB EXIT RAMP
STAGE 2 TOTALS					1,590	390	1,980	
6A	1228+69'XA'	-	1231+68'XA'	LT	2,150	--	2,150	BUS 29 NB EXIT RAMP
6A	1233+59'XA'	-	1233+75'XA'	LT & RT	130	20	150	BUS 29 NB EXIT RAMP
6A	2167+52'XC'	-	2167+81'XC'	LT & RT	360	20	380	BUS 29 SB EXIT RAMP
6A	2169+51'XC'	-	2173+50'XC'	RT	2,900	--	2,900	BUS 29 SB EXIT RAMP
STAGE 6 TOTALS					5,540	40	5,580	
TOTAL					7,130	430	7,560	

RUMBLE STRIP ITEMS

STAGE	STATION	TO	STATION	OFFSET	602.3210 CONCRETE RUMBLE STRIPS, SHOULDER DIVIDED ROADWAY LF	465.0510 ASPHALTIC RUMBLE STRIPS, SHOULDER DIVIDED ROADWAY LF	COMMENTS
8	2245+70	-	2323+16	LT & RT	7,130	7,746	USH 53 SB
8	2325+35	-	2485+85	LT & RT	13,879	16,050	USH 53 SB
8	2485+85	-	2524+82	LT & RT	--	7,028	USH 53 SB NORTH OF LIIMTS
STAGE 8 TOTALS					21,009	30,824	
10	2060+29	-	2082+91	RT	--	2,262	USH 53 SB SOUTH OF LIIMTS
10	2082+91	-	2158+18	LT & RT	7,537	7,526	USH 53 SB
10	2164+93	-	2168+70	LT & RT	378	378	USH 53 SB
10	2170+70	-	2179+10	LT & RT	561	840	USH 53 SB
10	2181+86	-	2245+00	LT & RT	6,053	6,384	USH 53 SB
STAGE 10 TOTALS					14,529	17,390	
11B	1113+00	-	1132+77	LT	--	1,934	USH 53 NB SOUTH OF LIMITS
11A & 11B	1132+77	-	1210+57	LT & RT	7,766	7,779	USH 53 NB
11B	1217+32	-	1220+90	LT	--	358	USH 53 NB
11A & 11B	1222+90	-	1231+29	LT & RT	554	839	USH 53 NB
11A & 11B	1234+05	-	1375+19	LT & RT	12,909	14,113	USH 53 NB
11A & 11B	1377+36	-	1538+00	LT & RT	14,083	16,061	USH 53 NB
11B	1538+00	-	1571+50	LT	--	3,332	USH 53 NB NORTH OF LIMITS
STAGE 11 TOTALS					35,312	44,416	
TOTALS					70,850	92,630	

3

CONCRETE CURB & GUTTER ITEMS

STAGE	STATION	TO	STATION	OFFSET	601.0115 CONCRETE CURB TYPE G LF	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF	601.0413 CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE G LF	601.0555 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A LF	601.0586 CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE TBTT LF	601.0590 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBTT LF	SPV.0090.02 ASPHALTIC CURB TEMPORARY LF	SPV.0090.03 CONCRETE CURB & GUTTER CURE AND SEAL TREATMENT LF	COMMENTS
2B	209+89'EB'	-	211+78'EB'	LT & RT	--	--	121	138	--	--	--	259	CTH S EB
2B	211+91'EB'	-	218+64'EB'	LT	--	--	675	--	--	--	--	675	CTH S EB
2B	219+37'EB'	-	220+08'EB'	RT	60	--	--	87	--	--	--	147	CTH S EB
2C	204+06'WB'	-	206+68'WB'	RT	--	--	510	--	--	--	--	510	CTH S MEDIAN ISLAND
2C	210+23'WB'	-	211+20'WB'	LT & RT	95	--	90	45	--	--	--	230	CTH S WB
2C	211+90'WB'	-	218+64'WB'	RT	--	--	674	--	--	--	--	674	CTH S WB
STAGE 2 TOTALS					155	--	2,070	270	--	--	--	2,495	
3A	1374+83	-	1375+36	LT	--	--	--	--	--	53	--	53	USH 53 NB
STAGE 3 TOTALS					--	--	--	--	--	53	--	53	
5	1210+08	-	1210+63	LT	--	--	--	--	--	54	--	54	USH 53 NB
5	1210+15	-	1210+71	RT	--	--	--	--	--	56	--	56	USH 53 NB
5	1220+40	-	1220+94	LT & RT	--	--	--	--	--	104	--	104	USH 53 NB
5	1222+90'XA'	-	1224+24'XA'	RT	--	84	--	--	--	--	50	84	BUS 29 NB EXIT RAMP
5	1230+80	-	1231+36	LT	--	--	--	--	--	56	--	56	USH 53 NB
STAGE 5 TOTALS					--	84	--	--	--	270	50	354	
6A	1222+90'XA'	-	1233+87'XA'	RT	--	1,036	--	--	--	--	--	1,036	BUS 29 NB EXIT RAMP
6A	1228+30'XA'	-	1233+75'XA'	LT	--	1,180	--	--	--	--	--	1,180	BUS 29 NB EXIT RAMP
6A	1233+59'XA'	-	1233+75'XA'	LT & RT	40	--	--	--	--	--	--	40	BUS 29 NB EXIT RAMP
6A	1220+39'XB'	-	1220+99'XB'	RT	--	108	--	--	--	--	--	108	BUS 29 NB ENTRANCE RAMP
6A	1226+93'XB'	-	1231+29'XB'	RT	--	435	--	--	--	--	--	435	BUS 29 NB ENTRANCE RAMP
6A	2174+95'XC'	-	2178+40'XC'	LT	--	293	--	--	--	--	50	293	BUS 29 SB EXIT RAMP
6A	2167+52'XC'	-	2167+81'XC'	LT & RT	75	--	--	--	--	--	--	75	BUS 29 SB EXIT RAMP
6A	2170+70'XD'	-	2181+37'XD'	LT	--	1,076	--	--	40	--	--	1,116	BUS 29 SB ENTRANCE RAMP
6A	2175+54'XD'	-	2181+41'XD'	RT	--	1,259	--	--	--	--	--	1,259	BUS 29 SB ENTRANCE RAMP
STAGE 6 TOTALS					115	5,387	--	--	40	--	50	5,542	
8A	2322+82	-	2323+35	LT	--	--	--	--	--	53	--	53	USH 53 SB
STAGE 8 TOTALS					--	--	--	--	--	53	--	53	
10A	2157+94	-	2158+24	LT	--	--	--	--	--	30	--	30	USH 53 SB
10A	2158+03	-	2158+32	RT	--	--	--	--	--	30	--	30	USH 53 SB
10A	2168+21	-	2168+74	LT & RT	--	--	--	--	--	104	--	104	USH 53 SB
10A	2178+84	-	2179+14	RT	--	--	--	--	--	30	--	30	USH 53 SB
10B	2177+90'XC'	-	2179+09'XC'	LT	--	119	--	--	--	--	--	119	BUS 29 SB EXIT RAMP
STAGE 10 TOTALS					--	119	--	--	--	194	--	313	
TOTALS					270	5,590	2,070	270	40	570	100	8,810	

TEMPORARY STORM SEWER ITEMS

	INLET		OUTLET		STRUCTURE AND PIPE INFORMATION						GRATE SLOPE INFORMATION		SPV.0060.05 TEMPORARY INLETS MEDIAN 1 GRATE	SPV.0060.04 TEMPORARY INLET COVERS TYPE MS	520.2012 CULVERT PIPE TEMPORARY 12-INCH	SPV.0090.04 TEMPORARY STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH	SPV.0090.05 TEMPORARY STORM SEWER PIPE CLASS III-A 18-INCH	SPV.0060.01 TEMPORARY APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 12-INCH 10 TO 1	SPV.0060.02 TEMPORARY APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 18-INCH 10 TO 1
STAGE	STATION	OFFSET	STATION	OFFSET	RIM ELEV	INVERT ELEV	DISCHARGE ELEV	DEPTH	LENGTH (FT)	SLOPE	GRATE SLOPE	LOW SIDE OF STRUCTURE	EACH	EACH	LF	LF	LF	EACH	EACH
1A	1125+24	63.2' LT	1126+90	38.7' LT	915.11	912.40	907.95	2.71	169.80	2.62%	10:1	SOUTH	1	1	--	170	--	--	1
1A	1298+06	11.4' LT	1296+68	37.4' LT	945.60	943.21	942.93	2.39	139.60	0.20%	10:1	NORTH	1	1	--	140	--	--	1
1A	1354+06	7.0' LT	1356+10	25.4' LT	987.46	984.67	979.02	2.79	203.40	2.78%	10:1	SOUTH	1	1	--	204	--	--	1
1A	1362+49	8.1' LT	1363+64	25.7' LT	971.72	968.93	967.35	2.79	115.84	1.37%	10:1	SOUTH	1	1	--	116	--	--	1
1A	1395+09	11.0' LT	1393+96	42.8' LT	999.27	996.43	992.16	2.84	117.53	3.62%	10:1	NORTH	1	1	--	118	--	--	1
1A	1401+82	9.2' LT	1400+09	27.8' LT	1020.34	1017.45	1011.39	2.89	173.80	3.48%	10:1	NORTH	1	1	--	174	--	--	1
1A	1491+74	42.3' LT	1493+11	31.9' LT	950.09	947.20	944.63	2.89	138.04	1.86%	FLAT	N/A	1	1	--	--	138	--	--
1A	1497+63	52.8' LT	1495+57	33.6' LT	957.57	954.78	952.38	2.79	207.06	1.15%	10:1	SOUTH	1	1	--	208	--	--	1
1A	2503+99	32.4' RT	2507+95	30.2' RT	--	955.35	950.00	--	395.50	1.35%	N/A	N/A	--	--	--	--	396	--	1
STAGE 1 TOTALS													8	8	--	1130	534	--	8
4A	1299+76	40.4' LT	1296+00	23.0' LT	--	946.27	942.20	--	378.00	1.00%	N/A	N/A	--	--	378	--	--	2	--
STAGE 4 TOTALS													--	--	378	--	--	2	--
6B	1126+49	17.5' LT	1128+87	53.4' LT	911.96	909.17	904.36	2.79	242.30	1.99%	10:1	SOUTH	1	1	--	243	--	--	1
6B	1350+26	52.8' LT	1352+54	33.6' LT	996.65	993.91	988.00	2.74	227.30	2.59%	10:1	SOUTH	1	1	--	228	--	--	1
6B	1358+67	52.9' LT	1359+60	26.7' LT	978.03	975.26	973.25	2.77	96.00	2.09%	10:1	SOUTH	1	1	--	96	--	--	1
6B	2340+35	8.4' RT	2339+51	23.8' RT	990.37	987.65	986.19	2.72	85.50	1.70%	10:1	NORTH	1	1	--	86	--	--	1
6B	2347+65	8.1' RT	2345+78	21.4' RT	1013.86	1011.02	1004.54	2.84	185.75	3.49%	10:1	NORTH	1	1	--	186	--	--	1
STAGE 6 TOTALS													5	5	--	839	--	--	5
9A	1297+97	11.5' LT	1295+75	34.5' LT	946.13	943.7	941.46	2.43	224.00	1.08%	10:1	NORTH	1	1	--	224	--	--	1
STAGE 9 TOTALS													1	1	--	224	--	--	1
TOTALS													14	14	378	2193	534	2	14

NOTES:
1) STATION OFFSETS SHOWN ARE TO CENTER OF STRUCTURE OR TO THE END OF PIPE AT APRON ENDWALLS (NOT INCLUDING LENGTH OF ENDWALL).
2) RIM ELEVATIONS ARE GIVEN TO THE CENTER OF GRATE ON LOW SIDE (IF SLOPING GRATE).
3) DEPTH = RIM ELEVATION - INVERT
4) FOR CLASS III-A, PIPE LENGTH CALCULATED USING CORRUGATED STEEL/POLYETHYLENE PIPE, IF REINFORCED CONCRETE IS USED THE PIPE LENGTH WILL DIFFER DUE TO DIFFERENCES IN APRON ENDWALL DIMENSIONS.

CULVERT REPLACEMENT ITEMS

	INLET			OUTLET			520.3318	521.1618
STAGE	STATION	OFFSET	ELEVATION	STATION	OFFSET	ELEVATION	CULVERT PIPE CLASS III-A 18-INCH LF	APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 18-INCH 10 TO 1 EACH
11A	1142+25	42.6' LT	886.69	1142+70	42.9' LT	886.31	45	2
11A	1206+40	29.3' LT	834.10	1205+94	30.1' LT	833.95	46	2
TOTALS							91	4

NOTES:
1) STATION OFFSETS SHOWN ARE TO THE END OF PIPE AT APRON ENDWALLS (NOT INCLUDING LENGTH OF ENDWALL).
2) FOR CLASS III-A, USE CORRUGATED STEEL OR POLYETHYLENE PIPE TO FIT REQUIRED APRON ENDWALL.

SLOPE PAVING

STAGE	STATION	TO	STATION	OFFSET	604.0500 SLOPE PAVING CRUSHED AGGREGATE SY	COMMENTS
5	1135+68	-	1136+13	RT	20	40TH AVE
5	1188+67	-	1189+10	RT	15	50TH AVE
STAGE 5 TOTAL					35	
10	2083+88	-	2084+34	LT	20	40TH AVE
10	2136+64	-	2137+05	LT	15	50TH AVE
STAGE 10 TOTAL					35	
TOTAL					70	

COVER PLATES TEMPORARY

STAGE	STATION	OFFSET	611.8120.S COVER PLATES TEMPORARY EACH
1A	2067+27	RT	1
1A	2075+15	RT	1
1A	1397+14	LT	1
1A	2441+01	RT	1
1A	2507+95	RT	1
STAGE 1 TOTAL			5
2A	206+38'WB'	RT	1
2A	206+47'WB'	RT	1
STAGE 2 TOTAL			2
4A	1298+07	LT	1
STAGE 4 TOTAL			1
6B	1348+65	LT	1
6B	1358+12	LT	1
STAGE 6 TOTAL			2
TOTAL			10

PERMANENT STORM SEWER ITEMS

	INLET		OUTLET		STRUCTURE AND PIPE INFORMATION						GRATE SLOPE INFORMATION		520.8000*	611.3901	611.3902	611.0642	SPV.0060.03	608.0318	608.0324	522.1018	522.1024	*633.5200
STAGE	STATION	OFFSET	STATION	OFFSET	RIM ELEV	INVERT ELEV	DISCHARGE ELEV	DEPTH	LENGTH (FT)	SLOPE	GRATE SLOPE	LOW SIDE OF STRUCTURE	CONCRETE COLLARS FOR PIPE EACH	INLETS MEDIAN 1 GRATE EACH	INLETS MEDIAN 2 GRATE EACH	INLET COVERS TYPE MS EACH	INLET COVERS TYPE H-D EACH	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	MARKERS CULVERT END EACH
3A	1377+96	25.2' LT	1377+55	69.9' RT	968.00	965.17	963.00	2.83	104	2.09%	10:1	NORTH	--	--	1	2	--	--	104	--	1	1
STAGE 3 TOTALS													--	--	1	2	--	--	104	--	1	1
4A	2441+01	28.2' RT	2441+01	65.1' LT	949.08	946.63	945.99	2.45	92	0.70%	10:1	NORTH	1	1	--	1	--	8	--	--	--	1
STAGE 4 TOTALS													1	1	--	1	--	8	--	--	--	1
6A	2172+99'XD'	1.5' LT	2172+99'XD'	53.6' LT	839.06	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--
STAGE 6 TOTALS													--	--	--	--	1	--	--	--	--	--
10A	2123+00	51.4' LT	2123+00	63.4' LT	--	842.43	842.27	--	18	0.89%	--	--	1	--	--	--	--	18	--	1	--	2
STAGE 10 TOTALS													1	--	--	--	--	18	--	1	--	2
11A	2507+94	31.1' RT	2507+94	64.2' LT	952.15	949.84	949.06	2.30	93.6	0.84%	10:1	SOUTH	1	1	--	1	--	8	--	--	--	--
STAGE 11 TOTALS													1	1	--	1	--	8	--	--	--	--
TOTALS													3	2	1	4	1	34	104	1	1	4

NOTES:
1) STATION OFFSETS SHOWN ARE TO CENTER OF STRUCTURE OR TO THE END OF PIPE AT APRON ENDWALLS (NOT INCLUDING LENGTH OF ENDWALL).
2) RIM ELEVATIONS ARE GIVEN TO THE CENTER OF GRATE ON LOW SIDE (IF SLOPING GRATE) OR TO THE FLANGE OF CURB & GUTTER.
3) DEPTH = RIM ELEVATION - INVERT
5) EOP = END OF PIPE, AEW = APRON ENDWALL

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

DRAIN TILE ITEMS

STAGE	STATION	TO	STATION	612.0206 PIPE UNDERDRAIN UNPERFORATED 6-INCH LF	612.0406 PIPE UNDERDRAIN WRAPPED 6-INCH LF	612.0806 APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE 6-INCH EACH	COMMENTS
2B	209+89'EB'	-	210+50'EB'	20	60	1	CTH S EB
2B	210+50'EB'	-	212+50'EB'	20	200	1	CTH S EB
2B	212+50'EB'	-	214+00'EB'	20	150	1	CTH S EB
2B	214+00'EB'	-	216+50'EB'	20	250	1	CTH S EB
2B	216+50'EB'	-	218+50'EB'	20	200	1	CTH S EB
2B	218+50'EB'	-	220+93'EB'	25	245	1	CTH S EB
2C	210+23'WB'	-	210+50'WB'	25	30	1	CTH S WB
2C	210+50'WB'	-	212+00'WB'	25	150	1	CTH S WB
2C	212+00'WB'	-	214+00'WB'	20	200	1	CTH S WB
2C	214+00'WB'	-	216+50'WB'	20	250	1	CTH S WB
2C	216+50'WB'	-	218+50'WB'	25	200	1	CTH S WB
2C	218+50'WB'	-	219+56'WB'	20	105	1	CTH S WB
TOTALS				260	2,040	12	

NOTE:
ESTIMATED LOCATIONS OF APRON ENDWALLS ARE LISTED ABOVE, FINAL LOCATIONS TO BE DETERMINED IN FIELD.

RECONSTUCTING INLETS

			STRUCTURE INFORMATION		611.0430	GRATE SLOPE INFORMATION		608.0321	520.8000*
STAGE	STATION	OFFSET	EXISTING RIM ELEVATION	PROPOSED RIM ELEVATION	RECONSTRUCTING INLETS EACH	GRATE GRATE SLOPE	LOW SIDE OF OF STRUCTURE	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 21-INCH LF	CONCRETE COLLARS FOR PIPE EACH
1A	2434+00	33.8' RT	994.04	994.12	1	10:1	NORTH	12	1
STAGE 1 TOTAL					1	--	--	12	1
TOTAL					1	--	--	12	1

NOTES:
1) STATION OFFSETS SHOWN ARE TO CENTER OF STRUCTURE.
2) RIM ELEVATIONS ARE GIVEN TO THE CENTER OF GRATE ON LOW SIDE (IF SLOPING GRATE).

CULVERT MAINTENANCE ITEMS

STAGE	STATION	OFFSET	520.8700 CLEANING CULVERT PIPES EACH	*633.5200 MARKERS CULVERT END EACH	SPV.0060.06 CLEANING BOX CULVERT B-9-70 EACH	SPV.0060.07 CLEANING BOX CULVERT B-9-83 EACH
2B	1374+18'SA'	LT & RT	--	2	--	--
2B	218+65'EB'	RT	--	1	--	--
2C	211+21'EB'	LT	--	1	--	--
2C	1375+27'SB'	LT & RT	--	2	--	--
2C	2327+09'SC'	LT & RT	--	2	--	--
STAGE 2 TOTALS			--	8	--	--
3A	1301+77	RT	--	1	--	--
3A	1316+15	RT	1	1	--	--
3A	1320+74	RT	--	1	--	--
3A	1348+65	RT	--	1	--	--
3A	1358+13	RT	1	1	--	--
3A	1362+10	LT & RT	--	2	--	--
3A	1362+18	LT & RT	--	2	--	--
3A	1374+13	LT & RT	--	2	--	--
3A	1377+84	LT & RT	--	2	--	--
3A	1379+20	RT	--	1	--	--
3A	1397+13	RT	--	1	--	--
3A	1405+36	LT & RT	--	2	--	--
3A	1406+51	RT	--	1	--	--
3A	1409+56	RT	--	1	--	--
3A	1422+65	LT & RT	--	2	--	--
3A	1449+11	RT	--	1	--	--
3A	1456+12	RT	1	1	--	--
3A	1464+04	RT	--	1	--	--
3A	1477+41	RT	--	1	1	--
3A	1483+15	RT	1	1	--	--
3A	1488+50	LT & RT	--	2	--	--
3A	1512+99	LT & RT	1	1	--	--
3A	1519+34	LT & RT	1	2	--	--
3A	1528+11	RT	--	1	--	--
3A	1535+11	RT	--	1	--	--
STAGE 3 TOTALS			6	33	1	--
5	1161+53	RT	--	1	--	--
5	1187+15	RT	--	1	--	--
5	1205+12	RT	--	1	--	--
5	1223+16	RT	--	2	--	--
5	1236+17	LT & RT	--	2	--	1
5	1243+20	RT	1	1	--	--
5	1252+04	RT	--	1	--	--
5	1260+50	RT	--	1	--	--
5	1263+16	RT	1	1	--	--
5	1283+46	RT	--	1	--	--
STAGE 5 TOTALS			2	12	--	1
6A	2168+26'XC'	LT & RT	--	2	--	--
6A	2168+28'XC'	RT	--	1	--	--
6A	2169+55'XC'	RT	--	1	--	--
6A	2174+96'XC'	LT	--	1	--	--
6A	2178+50'XC'	LT	--	1	--	--
6A	2173+00'XD'	LT	--	1	--	--
6A	2174+50'XD'	LT	--	1	--	--
6A	2175+49'XD'	LT	--	1	--	--
6A	1125+14'XA'	RT	--	1	--	--
6A	1127+16'XA'	RT	--	1	--	--
6A	1127+66'XA'	RT	--	1	--	--
6A	1127+15'XA'	RT	--	1	--	--
6A	1127+16'XA'	LT	--	1	--	--
6A	1132+65'XA'	RT	--	1	--	--
6A	1220+91'XB'	LT	--	1	--	--
6A	1220+92'XB'	RT	--	1	--	--
6A	1221+04'XB'	LT	--	1	--	--
6A	1221+66'XB'	LT & RT	--	2	--	--
6A	1227+04'XB'	RT	--	1	--	--
6A	1230+65'XB'	RT	--	1	--	--
6A	2177+99'XD'	LT	--	1	--	--
6A	2178+00'XD'	RT	--	1	--	--
STAGE 6 TOTALS			--	24	--	--
7	1506+11'BA'	LT & RT	--	2	--	--
7	1511+68'BB'	LT & RT	--	2	--	--
STAGE 7 TOTALS			--	4	--	--

CULVERT MAINTENANCE ITEMS CONT'D

STAGE	STATION	OFFSET	520.8700 CLEANING CULVERT PIPES EACH	*633.5200 MARKERS CULVERT END EACH	SPV.0060.06 CLEANING BOX CULVERT B-9-70 EACH	SPV.0060.07 CLEANING BOX CULVERT B-9-83 EACH
8A	2249+94	RT	--	1	--	--
8A	2264+05	LT	1	1	--	--
8A	2274+05	LT	--	1	--	--
8A	2296+81	LT	--	1	--	--
8A	2316+80	LT	--	1	--	--
8A	2332+67	LT	--	1	--	--
8A	2356+65	LT	--	1	--	--
8A	2376+62	LT	--	1	--	--
8A	2387+65	LT	--	1	--	--
8A	2412+07	LT	--	1	--	--
8A	2434+00	LT	--	1	--	--
8A	2441+01	LT	--	1	--	--
8A	2450+96	LT	--	1	--	--
STAGE 8 TOTALS			1	13	--	--
10A	2110+52	LT	--	1	--	--
10A	2111+99	LT	--	1	--	--
10A	2135+00	LT	--	1	--	--
10A	2152+96	LT	--	1	--	--
10A	2183+00	LT	--	1	--	--
10A	2200+54	LT	1	1	--	--
10A	2201+02	LT	1	1	--	--
10A	2221+06	LT	--	1	--	--
10A	2231+36	LT	--	1	--	--
STAGE 10 TOTALS			2	9	--	--
TOTALS			11	103	1	1

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ADJUSTING INLET COVERS

STAGE	STATION	OFFSET	611.8115 ADJUSTING INLET COVERS EACH
2B	206+39'EB'	LT	1
2B	206+48'EB'	LT	1
2B	211+09'EB'	LT	1
2B/2C	218+65'EB'	LT	2
2C	211+00'EB'	LT	1
STAGE 2 TOTAL			6
6A	1225+14'XA'	RT	1
6A	1227+66'XA'	RT	1
6A	1230+15'XA'	LT	1
6A	1230+16'XA'	RT	1
6A	1232+65'XA'	RT	1
6A	1220+91'XB'	RT	1
6A	1220+91'XB'	LT	1
6A	1221+17'XB'	LT	1
6A	1227+00'XB'	RT	1
6A	1230+64'XB'	RT	1
6A	2168+26'XC'	RT	1
6A	2168+29'XC'	RT	1
6A	2175+01'XC'	LT	1
6A	2178+50'XC'	LT	1
6A	2172+99'XD'	LT	1
6A	2178+00'XD'	RT	1
6A	2178+00'XD'	LT	1
6A	2175+49'XD'	LT	1
STAGE 6 TOTAL			18
TOTAL			24

RIPRAP ITEMS

STAGE	STATION	TO	STATION	OFFSET	606.0200 RIPRAP MEDIUM CY	606.0300 RIPRAP HEAVY CY	645.0120 GEOTEXTILE TYPE HR SY	COMMENTS
2B	1374+14'SA'	-	1374+34'SA'	RT	11	--	32	CTH S NB EXIT RAMP
STAGE 2 TOTALS					11	--	32	
3A	1374+94			LT	4	--	13	USH 53 NB
3A	1377+55			RT	2	--	8	USH 53 NB
3A	1477+24	-	1478+00	RT	--	90	214	USH 53 NB
STAGE 3 TOTALS					6	90	235	
5	1210+19			LT	5	--	17	USH 53 NB
5	1210+25			RT	4	--	14	USH 53 NB
5	1220+51			LT	4	--	13	USH 53 NB
5	1220+52			RT	16	--	48	USH 53 NB
5	1230+90			LT	4	--	13	USH 53 NB
STAGE 5 TOTALS					33	--	105	
8A	2322+92			LT	21	--	64	USH 53 SB
STAGE 8 TOTALS					21	--	64	
10A	2135+00			LT	3	--	11	USH 53 SB
10A	2158+04			LT	4	--	13	USH 53 SB
10A	2158+13			RT	4	--	15	USH 53 SB
10A	2168+31			LT	21	--	64	USH 53 SB
10A	2168+33			RT	4	--	15	USH 53 SB
10A	2178+95			RT	4	--	13	USH 53 SB
10A	2199+95	-	2200+98	LT	59	--	163	USH 53 SB
STAGE 10 TOTALS					99	--	294	
TOTALS					170	90	730	

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TEMPORARY GUARDRAIL ITEMS

STAGE	STATION	TO	STATION	OFFSET	614.0215 STEEL THRIE BEAM STRUCTURE APPROACH RETROFIT SPAN EACH	614.0216 STEEL THRIE BEAM STRUCTURE APPROACH RETROFIT POST EACH	614.0360 STEEL PLATE BEAM GUARD TEMPORARY LF	614.0380 STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL TEMPORARY EACH	614.1000 MGS GUARDRAIL TEMPORARY LF	614.1100 MGS GUARDRAIL TEMPORARY THRIE BEAM TRANSITION LF	614.1200 MGS GUARDRAIL TEMPORARY TERMINAL EAT EACH	COMMENTS
1A	2084+55	-	2085+05	RT	--	--	--	1	--	--	--	USH 53 SB
1A	2155+90	-	2158+32	RT	--	--	--	--	150	39.4	1	USH 53 SB
1A	2176+75	-	2179+17	RT	1	2	--	--	150	39.4	1	USH 53 SB
1A	2320+85	-	2323+27	RT	--	--	--	--	150	39.4	1	USH 53 SB
1B	2083+30	-	2083+80	LT	--	--	--	1	--	--	--	USH 53 SB
1B	2109+82	-	2110+44	LT	--	--	12.5	1	--	--	--	USH 53 SB
1B	2136+05	-	2136+55	LT	--	--	--	1	--	--	--	USH 53 SB
1B	2157+31	-	2158+23	LT	--	--	--	--	--	39.4	1	USH 53 SB
1B	2321+77	-	2322+28	LT	--	--	--	1	--	--	--	USH 53 SB
TOTALS					1	2	12.5	5	450	157.6	4	

TEMPORARY BARRIER AND CRASH CUSHIONS

					603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED LF	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED LF	614.0905 CRASH CUSHIONS TEMPORARY EACH	FOR INFORMATION					
STAGE	STATION	TO	STATION	OFFSET				BACK WIDTH (FT)	OBJECT MARKING PATTERN	CRASH TEST LEVEL	TRAFFIC DIRECTION	TRAFFIC LOCATION	CRASH CUSHION SHIELDS
3	2499+90	-	2509+15	LT & RT	930	930	1	2	OM-3L	TL-3	BIDIRECTIONAL	L & R	TEMPORARY CONCRETE BARRIER
STAGE 3 TOTALS					930	930	1						
5	2239+47	-	2247+65	LT & RT	830	830	1	2	OM-3L	TL-3	BIDIRECTIONAL	L & R	TEMPORARY CONCRETE BARRIER
STAGE 5 TOTALS					830	830	1						
8	1296+85	-	1304+97	LT & RT	815	815	1	2	OM-3L	TL-3	BIDIRECTIONAL	L & R	TEMPORARY CONCRETE BARRIER
STAGE 8 TOTALS					815	815	1						
10	1127+00	-	1134+39	LT & RT	740	740	1	2	OM-3L	TL-3	BIDIRECTIONAL	L & R	TEMPORARY CONCRETE BARRIER
STAGE 10 TOTALS					740	740	1						
TOTALS					3,315	3,315	4						

PERMANENT GUARDRAIL ITEMS

STAGE	STATION	TO	STATION	OFFSET	204.0165 REMOVING GUARDRAIL LF	614.0115 ANCHORAGES FOR STEEL PLATE BEAM GUARD TYPE 2 EACH	614.0220 STEEL THRIE BEAM BULLNOSE TERMINAL EACH	614.0230 STEEL THRIE BEAM LF	614.0305 STEEL PLATE BEAM GUARD CLASS A LF	614.0340 STEEL PLATE BEAM GUARD OVER LOW-FILL CULVERTS CLASS A LF	614.0370 STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL EACH	614.2300 MGS GUARDRAIL 3 LF	614.2330 MGS GUARDRAIL 3 K LF	614.2340 MGS GUARDRAIL 3 L LF	614.2350 MGS GUARDRAIL SHORT RADIUS LF	614.2500 MGS THRIE BEAM TRANSITION LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH	614.2620 MGS GUARDRAIL TERMINAL TYPE 2 EACH	COMMENTS
2B	212+95'EB'	-	212+48'EB'	RT	350	--	--	--	--	--	--	300	--	--	--	--	1	1	CTH S EB
2C	2326+12'SC'	-	2329+78'SC'	RT	330	--	--	--	--	--	--	200	--	112.5	--	--	1	1	CTH S SB EXIT RAMP
2C	2326+49'SC'	-	2329+64'SC'	LT	320	1	--	--	162.5	100	1	--	--	--	--	--	--	--	CTH S SB EXIT RAMP
2C	213+84'EB'	-	218+85'EB'	LT	660	--	--	--	--	--	--	450	--	--	100	--	--	1	CTH S WB
2C	219+19'EB'	-	220+45'EB'	LT	260	--	--	--	--	--	--	--	--	--	112.5	--	1	--	CTH S WB
2C	1374+48'SB'	-	1376+14'SB'	RT	--	--	--	--	--	--	--	25	--	112.5	--	--	--	1	CTH S NB ENTRANCE RAMP
2C	1374+58'SB'	-	1376+34'SB'	LT	--	--	--	--	--	--	--	37.5	--	112.5	--	--	--	1	CTH S NB ENTRANCE RAMP
STAGE 2 TOTALS					1,920	1	--	--	162.5	100	1	1,013	--	337.5	212.5	--	3	5	
3	1368+02	-	1375+18	RT	725	--	--	--	--	--	--	625	--	--	--	39.4	1	--	USH 53 NB
3	1371+84	-	1375+39	LT	285	--	--	--	--	--	--	262.5	--	--	--	39.4	1	--	USH 53 NB
3	1377+17	-	1380+22	RT	310	--	--	--	--	--	--	212.5	--	--	--	39.4	1	--	USH 53 NB
3	1377+35	-	1380+03	LT	--	--	--	--	--	--	--	175	--	--	--	39.4	1	--	USH 53 NB
STAGE 3 TOTALS					1,320	--	--	--	--	--	--	1,275	--	--	--	157.6	4	--	
5	1132+67	-	1136+77	RT	360	--	--	--	--	--	--	300	--	--	--	--	2	--	USH 53 NB
5	1158+99	-	1168+68	RT	920	--	--	--	--	--	--	262.5	600	--	--	--	2	--	USH 53 NB
5	1185+77	-	1189+71	RT	350	--	--	--	--	--	--	187.5	100	--	--	--	2	--	USH 53 NB
5	1207+22	-	1210+65	LT	290	--	--	--	--	--	--	250	--	--	--	39.4	1	--	USH 53 NB
5	1207+68	-	1210+74	RT	300	--	--	--	--	--	--	212.5	--	--	--	39.4	1	--	USH 53 NB
5	1217+14	-	1220+97	LT	380	--	--	--	--	--	--	301	--	--	--	78.8	--	--	USH 53 NB
5	1217+16	-	1220+99	RT	375	--	--	--	--	--	--	294	--	--	--	78.8	--	--	USH 53 NB
5	1222+82	-	1225+25	LT	--	--	--	--	--	--	--	150	--	--	--	39.4	1	--	USH 53 NB
5	1227+81	-	1231+36	LT	285	--	--	--	--	--	--	262.5	--	--	--	39.4	1	--	USH 53 NB
5	1233+98	-	1245+65	RT	135	--	--	--	--	--	--	1,025	--	--	--	39.4	1	--	USH 53 NB
5	1234+00	-	1236+43	LT	--	--	--	--	--	--	--	150	--	--	--	39.4	1	--	USH 53 NB
STAGE 5 TOTALS					3,395	--	--	--	--	--	--	3,395	700	--	--	394.0	12	--	
6A	1228+16'XB'	-	1231+35'XB'	RT	150	--	--	--	--	--	--	225	--	--	--	39.4	1	--	BUS 29 NB ENTRANCE RAMP
6A	2170+62'XD'	-	2172+81'XD'	LT	150	--	--	--	--	--	--	125	--	--	--	39.4	1	--	BUS 29 SB ENTRANCE RAMP
STAGE 6 TOTALS					300	--	--	--	--	--	--	350	--	--	--	78.8	2	--	
8	2322+23	-	2323+38	LT	110	--	--	--	--	--	--	75	--	--	--	39.4	--	1	USH 53 SB
8	2325+17	-	2328+72	RT	350	--	--	--	--	--	--	262.5	--	--	--	39.4	1	--	USH 53 SB
8	2325+32	-	2328+89	LT	350	--	--	--	--	--	--	262.5	--	--	--	39.4	1	--	USH 53 SB
8	2412+08	-	2414+42	RT	480	--	2	125	--	--	--	--	--	--	--	--	--	--	USH 53 SB
8	2457+13	-	2459+68	RT	530	--	2	175	--	--	--	--	--	--	--	--	--	--	USH 53 SB
STAGE 8 TOTALS					1,820	--	4	300	--	--	--	600	--	--	--	118.2	2	1	
10A	2082+57	-	2084+89	RT	480	--	2	175	--	--	--	--	--	--	--	--	--	--	USH 53 SB
10A	2083+61	-	2088+49	LT	420	--	--	--	--	--	--	300	137.5	--	--	--	1	1	USH 53 SB
10A	2085+05	-	2088+21	RT	320	--	--	--	--	--	--	187.5	--	--	--	--	1	1	USH 53 SB
10A	2210+43	-	2122+96	LT	1,220	--	--	--	--	--	--	200	1,000	--	--	--	1	1	USH 53 SB
10A	2135+51	-	2138+08	RT	530	--	2	125	--	--	--	--	--	--	--	--	--	--	USH 53 SB
10A	2136+54	-	2139+96	LT	345	--	--	--	--	--	--	150	137.5	--	--	--	1	1	USH 53 SB
10A	2164+75	-	2168+77	LT	380	--	--	--	--	--	--	322	--	--	--	78.8	--	--	USH 53 SB
10A	2164+86	-	2168+79	RT	395	--	--	--	--	--	--	313	--	--	--	78.8	--	--	USH 53 SB
10A	2170+64	-	2174+06	RT	325	--	--	--	--	--	--	250	--	--	--	39.4	1	--	USH 53 SB
10A	2181+79	-	2185+22	RT	285	--	--	--	--	--	--	250	--	--	--	39.4	1	--	USH 53 SB
10A	2181+80	-	2191+60	LT	700	--	--	--	--	--	--	887.5	--	--	--	39.4	1	--	USH 53 SB
10A	2228+61	-	2231+42	RT	575	--	2	175	--	--	--	--	--	--	--	--	--	--	USH 53 SB
STAGE 10 TOTALS					5,975	--	6	475	--	--	--	2,860	1,275	--	--	275.8	7	4	
TOTALS					14,730	1	10	775	162.5	100	1	9,493	1,975	337.5	212.5	1,024.4	30	10	

NOTE:
MODIFIED RAIL SECTIONS REQUIRED BETWEEN BRIDGE PARAPETS FROM STA 1217+14 TO STA 1220+99 ON USH 53 NB AND STA 2164+75 TO STA 2168+79 ON USH 53 SB.

EROSION CONTROL ITEMS (ADDITIONAL QUANTITIES SHOWN ON FOLLOWING PAGE)

STAGE	STATION	TO	STATION	OFFSET	628.1104 EROSION BALES EACH	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	COMMENTS
1A	1113+43	-	1142+50	LT	--	--	--	1	--	1	50	3	SOUTH LIMIT TEMP CROSSOVER
1A	1286+57	-	1309+97	LT	--	--	--	2	--	1	38	--	MID-PROJECT TEMP CROSSOVER
1A	1342+79	-	1364+50	LT	--	--	--	4	--	2	25	--	CTH S NB EXIT RAMP TEMP CROSSOVERS
1A	1391+50	-	1413+97	LT	--	--	--	4	--	2	38	--	CTH S NB ENTRANCE RAMP TEMP CROSSOVERS
1A	1482+21	-	1501+00	LT	--	--	--	5	--	3	--	--	CTH B NB EXIT RAMP TEMP CROSSOVERS
1A	1547+48	-	1571+50	LT	--	--	--	2	--	--	13	3	NORTH LIMIT TEMP CROSSOVER
1A	2154+25	-	2158+32	RT	--	--	--	--	--	--	25	3	TEMP GUARDRAIL
1A	2175+77	-	2179+17	RT	--	--	--	--	--	--	25	--	TEMP GUARDRAIL
1A	2319+50	-	2323+27	RT	--	--	--	--	--	--	38	--	TEMP GUARDRAIL
1B	1495+61'BA'	-	1503+00'BA'	LT	--	--	--	--	--	--	13	--	CTH B NB EXIT RAMP TEMP WIDENING
1B	2082+50	-	2083+80	LT	--	53	53	--	--	--	13	4	TEMP GUARDRAIL
1B	2108+75	-	2111+00	LT	16	240	240	1	--	--	--	--	TEMP GUARDRAIL
1B	2135+00	-	2136+55	LT	8	160	160	--	--	--	--	--	TEMP GUARDRAIL
1B	2320+50	-	2323+50	LT	16	312	312	--	--	--	--	6	TEMP GUARDRAIL
STAGE 1 TOTALS					40	765	765	19	--	9	278	19	
2A	205+40'EB'	-	207+00'EB'	RT	--	209	209	--	--	--	--	--	CTH S EB SMALL ANIMAL TURNAROUND
2A	206+00'WB'	-	208+0'WB'	LT & RT	--	208	208	--	--	--	--	--	CTH S WB SMALL ANIMAL TURNAROUND
2B	209+89'EB'	-	220+93'EB'	RT	8	244	244	3	3	--	13	6	CTH S EB
2B	1359+20'SA'	-	1375+28'SA'	LT & RT	--	--	--	--	--	--	--	6	CTH S NB EXIT RAMP
2B	2304+32'SD'	-	2324+97'SD'	LT & RT	--	--	--	--	--	--	13	12	CTH S SB ENTRANCE RAMP
2C	210+23'WB'	-	221+00'WB'	LT	--	--	--	1	3	--	--	--	CTH S WB
2C	1374+18'SB'	-	1397+57'SB'	LT & RT	16	1,058	1,058	--	--	--	38	--	CTH S NB ENTRANCE RAMP
2C	2326+06'SC'	-	2344+27'SC'	LT & RT	8	927	927	--	--	--	25	--	CTH S SB EXIT RAMP
STAGE 2 TOTALS					32	2,646	2,646	4	6	--	89	24	
3A	1298+00	-	1375+47	LT & RT	--	--	--	3	--	--	--	22	USH 53 NB
3A	1377+05	-	1546+11	LT & RT	32	1,858	1,858	16	--	--	50	22	USH 53 NB
STAGE 3 TOTALS					32	1,858	1,858	19	--	--	50	44	
4	1286+50	-	1309+97	LT	--	--	--	--	--	--	38	3	MID-PROJECT TEMP CROSSOVER
4	1342+79	-	1368+24	LT	--	--	--	--	--	--	50	--	CTH S NB EXIT RAMP TEMP CROSSOVERS
4	1385+36	-	1413+97	LT	--	--	--	1	--	--	38	--	CTH S NB ENTRANCE RAMP TEMP CROSSOVERS
4	1482+21	-	1499+15	LT	--	--	--	1	--	--	25	--	CTH B NB EXIT RAMP TEMP CROSSOVERS
STAGE 4 TOTALS					--	--	--	2	--	--	151	3	
5	1131+50	-	1210+81	LT & RT	32	1,677	1,677	5	--	--	63	11	USH 53 NB
5		1218+17		LT	--	--	--	1	--	--	--	--	USH 53 NB
5	1222+74	-	1231+43	LT & RT	16	362	362	1	--	--	38	--	USH 53 NB
5	1233+90	-	1299+50	LT & RT	8	375	375	6	--	--	50	--	USH 53 NB
STAGE 5 TOTALS					56	2,414	2,414	13	--	--	151	11	
6A	1222+74'XA'	-	1233+85'XA'	LT & RT	--	--	--	7	5	--	13	5	BUS 29 NB EXIT RAMP
6A	1220+27'XB'	-	1231+43'XB'	LT & RT	8	408	408	5	5	--	13	5	BUS 29 NB ENTRANCE RAMP
6A	2167+42'XC'	-	2179+25'XC'	LT & RT	--	--	--	5	3	--	25	--	BUS 29 SB EXIT RAMP
6A	2170+54'XD'	-	2181+49'XD'	LT & RT	24	606	606	5	5	--	13	5	BUS 29 SB ENTRANCE RAMP
6B	2060+29	-	2086+41	RT	--	--	--	2	1	--	38	--	SOUTH LIMIT TEMP CROSSOVER
6B	2184+00	-	2198+51	RT	--	--	--	1	--	--	25	--	BUS 29 SB EXIT RAMP TEMP CROSSOVER
6B	2285+15	-	2309+50	RT	--	--	--	2	--	2	38	--	CTH S SB ENTRANCE RAMP TEMP CROSSOVER
6B	2338+00	-	2358+92	RT	--	--	--	2	--	2	13	--	CTH S SB EXIT RAMP TEMP CROSSOVER
STAGE 6 TOTALS					32	1,014	1,014	29	19	4	178	15	
7		2467+06'BC'		LT	--	--	--	--	--	--	--	4	CTH B SB EXIT RAMP
7		2451+01'BD'		RT	--	--	--	1	--	--	--	--	CTH B SB ENTRANCE RAMP
STAGE 7 TOTALS					--	--	--	1	--	--	--	4	
8A	2244+50	-	2323+45	LT & RT	16	579	579	--	--	--	--	--	USH 53 SB
8A	2325+05	-	2488+80	LT & RT	--	480	480	--	--	--	--	4	USH 53 SB
STAGE 8 TOTALS					16	1,059	1,059	--	--	--	--	4	

EROSION CONTROL ITEMS CONT'D

STAGE	STATION	TO	STATION	OFFSET	628.1104 EROSION BALES EACH	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	COMMENTS
9A	1286+50	-	1309+97	LT	--	--	--	1	--	1	38	--	MID-PROJECT TEMP CROSSOVER
9A	2285+15	-	2313+82	RT	--	--	--	--	--	--	38	--	CTH S SB ENTRANCE RAMP TEMP CROSSOVER
9A	2336+59	-	2358+92	RT	--	--	--	--	--	--	38	--	CTH S SB EXIT RAMP TEMP CROSSOVER
9A	2495+40	-	2517+16	RT	--	--	--	1	--	1	13	--	NORTH LIMIT TEMP CROSSOVER
STAGE 9 TOTALS					--	--	--	2	--	2	127	--	
10A	2082+50	-	2158+41	LT & RT	--	165	165	--	--	--	50	--	USH 53 SB
10A	2188+75	-	2245+70	LT & RT	8	250	250	1	--	--	--	4	USH 53 SB
10B	2178+50'XC'			LT	--	--	--	1	1	--	--	--	BUS 29 SB EXIT RAMP
STAGE 10 TOTALS					8	415	415	2	1	--	50	4	
11A	2060+29	-	2086+41	RT	--	--	--	--	--	--	25	3	SOUTH LIMIT TEMP CROSSOVER
11A	2184+11	-	2198+51	RT	--	--	--	--	--	--	25	--	BUS 29 SB EXIT RAMP TEMP CROSSOVER
11A	2234+47	-	2257+87	RT	--	--	--	--	--	--	50	--	MID-PROJECT TEMP CROSSOVER
STAGE 11 TOTALS					--	--	--	--	--	--	100	3	
UNDISTRIBUTED					54	2,549	2,549	24	9	5	296	34	
TOTALS					270	12,720	12,720	115	35	20	1,470	165	

FENCING ITEMS

STAGE	STATION	TO	STATION	OFFSET	204.0170 REMOVING FENCE LF	616.0100.01 FENCE WOVEN WIRE (4-FT) LF	616.0206 FENCE CHAIN LINK 6-FT LF
3A	1299+50	-	1323+21	RT	2,376	--	2,375
3A & 2B	1323+21	-	1373+41	RT	5,176	5,176	--
3A & 2B	1376+45	-	1465+17	RT	8,436	8,997	--
3A & 7	1465+50	-	1509+58	RT	4,498	4,441	--
3A & 7	1511+73	-	1540+15	RT	2,900	2,900	--
STAGE 3 TOTALS					23,386	21,514	2,375
5	1130+72	-	1135+53	RT	484	484	--
5	1135+95	-	1188+68	RT	3,689	5,300	--
5	1189+04	-	1210+80	RT	2,379	2,380	--
5	1217+19	-	1220+86	RT	638	--	638
5	1233+93	-	1268+96	RT	2,956	3,614	--
5	1268+96	-	1282+01	RT	1,326	--	1,325
5	1283+28	-	1299+50	RT	1,722	--	1,722
STAGE 5 TOTALS					13,193	11,777	3,685
6A	1223+31	-	1231+59	RT	1,296	--	1,295
6A	2170+43	-	2178+93	LT	1,240	--	1,238
STAGE 6 TOTALS					2,535	--	2,533
8A & 2B	2245+00	-	2326+55	LT	8,201	8,201	--
8A & 2C	2328+50	-	2413+22	LT	7,477	8,570	--
8A & 7	2413+54	-	2456+97	LT	4,402	4,402	--
8A & 7	2459+83	-	2486+25	LT	2,659	2,660	--
STAGE 8 TOTALS					22,740	23,833	--
10A	2080+89	-	2084+10	LT	328	336	--
10A	2084+46	-	2136+70	LT	5,321	5,321	--
10A	2137+05	-	2158+34	LT	2,270	2,270	--
10A	2164+67	-	2168+57	LT	508	--	507
10A	2181+74	-	2229+69	LT	4,937	4,937	--
10A	2230+12	-	2245+00	LT	1,511	1,511	--
STAGE 10 TOTALS					14,876	14,375	507
TOTALS					76,730	71,500	9,100

WATER

LOCATION	624.0100 MGAL
PROJECT	2,500
TOTAL	2,500

TRACKING PADS

LOCATION	628.7560 EACH
PROJECT	10
TOTAL	10

RESTORATION ITEMS (ADDITIONAL QUANTITIES SHOWN ON FOLLOWING PAGE)

STAGE	STATION	TO	STATION	OFFSET	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	628.2004 EROSION MAT CLASS I TYPE B SY	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIXTURE NO. 30 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL	COMMENTS
1A	1113+43	-	1138+98	LT	2,538	917	1,620	--	2.8	--	122	51	SOUTH LIMIT TEMP CROSSOVER
1A	1286+57	-	1309+97	LT	1,782	711	1,071	--	2.1	--	91	38	MID-PROJECT TEMP CROSSOVER
1A	1342+79	-	1362+41	LT	2,201	976	1,226	--	2.4	--	105	44	CTH S NB EXIT RAMP TEMP CROSSOVERS
1A	1394+87	-	1413+97	LT	2,333	1,191	1,141	--	2.5	--	108	45	CTH S NB ENTRANCE RAMP TEMP CROSSOVERS
1A	1482+21	-	1499+15	LT	1,521	313	1,208	--	1.8	--	78	32	CTH B NB EXIT RAMP TEMP CROSSOVERS
1A	1547+48	-	1571+32	LT	1,721	--	1,721	--	2.5	--	106	44	NORTH LIMIT TEMP CROSSOVER
1A	2155+20	-	2158+32	RT	164	--	164	--	0.2	--	9	4	TEMP GUARDRAIL
1A	2175+77	-	2179+17	RT	143	--	143	--	0.2	--	9	4	TEMP GUARDRAIL
1A	2319+76	-	2323+27	RT	494	--	494	--	0.4	--	19	8	TEMP GUARDRAIL
1B	1495+61'BA'	-	1503+00'BA'	LT	310	310	--	--	0.5	--	21	9	CTH B NB EXIT RAMP TEMP WIDENING
1B	2082+92	-	2083+80	LT	69	--	69	--	0.1	--	3	1	TEMP GUARDRAIL
1B	2108+92	-	2110+44	LT	160	--	160	--	0.2	--	7	3	TEMP GUARDRAIL
1B	2135+25	-	2136+55	LT	70	--	70	--	0.1	--	4	1	TEMP GUARDRAIL
1B	2320+88	-	2322+28	LT	163	--	163	--	0.2	--	6	3	TEMP GUARDRAIL
STAGE 1 TOTALS					13,669	4,418	9,250	--	16.0	--	688	287	
2B	209+89'EB'	-	220+93'EB'	RT	601	184	417	--	0.7	19	--	12	CTH S EB
2B	1359+20'SA'	-	1375+28'SA'	LT & RT	480	480	--	--	0.9	25	--	16	CTH S NB EXIT RAMP
2B	2304+32'SD'	-	2324+97'SD'	LT & RT	774	390	384	--	1.5	32	18	27	CTH S SB ENTRANCE RAMP & TEMP WIDENING
2C	204+06'WB'	-	221+00'WB'	LT	1,375	153	1,002	219	1.2	34	--	21	CTH S WB
2C	1374+18'SB'	-	1397+57'SB'	LT & RT	2,907	791	2,116	--	3.2	79	77	81	CTH S NB ENTRANCE RAMP & TEMP WIDENING
2C	2326+06'SC'	-	2344+27'SC'	LT & RT	1,443	703	639	100	0.9	34	26	32	CTH S SB EXIT RAMP & TEMP WIDENING
STAGE 2 TOTALS					7,580	2,701	4,558	319	8.4	223	121	189	
3A	1298+00	-	1354+46	LT & RT	--	--	--	--	8.2	233	--	145	USH 53 NB
3A	1362+39	-	1375+47	LT & RT	552	552	--	--	1.7	44	15	33	USH 53 NB & TEMP RAMP CROSSOVER
3A	1377+05	-	1395+01	LT & RT	204	133	--	71	1.7	49	--	30	USH 53 NB & TEMP RAMP CROSSOVER
3A	1401+52	-	1492+59	LT & RT	345	345	--	--	12.7	362	--	226	USH 53 NB
3A	1498+72	-	1538+50	LT & RT	228	--	228	--	5.3	134	36	99	USH 53 NB & TEMP RAMP CROSSOVER
3B	1354+46	-	1364+93	LT & RT	--	--	--	--	0.8	22	--	14	USH 53 NB & CTH S EXIT RAMP TIE-IN
3B	1392+80	-	1401+52	LT & RT	--	--	--	--	0.6	18	--	11	USH 53 NB & CTH S ENTRANCE TIE-IN
3B	1492+59	-	1498+72	LT & RT	--	--	--	--	0.6	17	--	10	USH 53 NB & CTH B EXIT RAMP TIE-IN
STAGE 3 TOTALS					1,329	1,030	228	71	31.6	879	51	568	
4	1286+57	-	1309+97	LT	1,880	674	1,206	--	2.1	--	89	74	MID-PROJECT TEMP CROSSOVER
4	1342+79	-	1368+24	LT & RT	5,827	3,830	1,998	--	3.9	110	--	69	USH 53 NB SHLDR & CTH S NB EXIT TEMP RAMP CROSSOVER
4	1385+36	-	1413+97	LT & RT	5,133	3,764	1,369	--	3.6	103	--	64	USH 53 NB SHLDR & CTH S NB ENTRANCE TEMP RAMP CROSSOVER
4	1482+21	-	1499+15	LT	4,329	--	4,329	--	2.8	80	--	50	CTH B NB EXIT RAMP TEMP CROSSOVERS
STAGE 4 TOTALS					17,169	8,268	8,902	--	12.4	293	89	257	
5	1132+14	-	1210+81	LT & RT	2,188	1,009	1,178	--	12.7	362	--	226	USH 53 NB
5	1217+08	-	1221+07	LT & RT	--	--	--	--	0.4	11	--	7	USH 53 NB
5	1222+74	-	1231+43	LT & RT	55	55	--	--	0.8	22	--	14	USH 53 NB & BUS 29 RAMP TIE-INS
5	1233+90	-	1299+50	LT & RT	203	203	--	--	9.1	260	--	162	USH 53 NB & MID-PROJECT TEMP CROSSOVER
STAGE 5 TOTALS					2,446	1,267	1,178	--	23.0	655	--	409	
6A	1222+74'XA'	-	1233+85'XA'	LT & RT	2,367	89	2,278	--	1.6	46	--	29	BUS 29 NB EXIT RAMP
6A	1220+27'XB'	-	1231+43'XB'	LT & RT	2,336	198	2,138	--	1.8	52	--	33	BUS 29 NB ENTRANCE RAMP
6A	2167+42'XC'	-	2179+25'XC'	LT & RT	1,159	409	750	--	0.8	23	--	14	BUS 29 SB EXIT RAMP
6A	2170+54'XD'	-	2181+49'XD'	LT & RT	1,703	167	1,537	--	1.2	35	--	22	BUS 29 SB ENTRANCE RAMP
6B	2060+29	-	2086+41	RT	5,169	3,923	1,246	--	4.4	50	112	109	SOUTH LIMIT TEMP CROSSOVER
6B	2184+11	-	2198+51	RT	1,048	357	691	--	1.3	--	55	45	BUS 29 SB EXIT RAMP TEMP CROSSOVER
6B	2285+15	-	2309+10	RT	2,062	874	1,188	--	2.5	--	106	88	CTH S SB ENTRANCE RAMP TEMP CROSSOVER
6B	2338+00	-	2358+92	RT	2,056	248	1,808	--	2.3	--	97	81	CTH S SB EXIT RAMP TEMP CROSSOVER
STAGE 6 TOTALS					17,900	6,265	11,636	--	15.9	206	370	421	
7	1500+00'BA'	-	1509+94'BA'	LT & RT	1,978	1,412	566	--	1.9	55	--	35	CTH B NB EXIT RAMP
7	1511+25'BB'	-	1521+08'BB'	LT & RT	613	613	--	--	1.0	28	--	18	CTH B NB ENTRANCE RAMP
7	2459+52'BC'	-	2471+50'BC'	LT & RT	654	654	--	--	1.0	27	--	17	CTH B SB EXIT RAMP
7	2446+05'BD'	-	2457+18'BD'	LT & RT	1,159	1,159	--	--	1.4	41	--	25	CTH B SB ENTRANCE RAMP
STAGE 7 TOTALS					4,404	3,838	566	--	5.3	151	--	95	
8A	2244+50	-	2298+69	LT & RT	--	--	--	--	7.7	220	--	137	USH 53 SB
8A	2306+34	-	2323+45	LT & RT	585	--	585	--	2.2	57	13	40	USH 53 SB & TEMP RAMP CROSSOVER
8A	2325+05	-	2341+01	LT & RT	340	75	73	193	1.9	48	11	35	USH 53 SB & TEMP RAMP CROSSOVER
8A	2347+24	-	2488+80	LT & RT	--	--	--	--	17.8	509	--	317	USH 53 SB
8B	2298+69	-	2307+71	LT & RT	--	--	--	--	0.7	20	--	12	USH 53 SB & CTH S RAMP TIE-IN
8B	2338+59	-	2347+24	LT & RT	--	--	--	--	0.6	18	--	12	USH 53 SB & CTH S RAMP TIE-IN
8B	2466+22	-	2486+35	LT & RT	--	--	--	--	1.2	35	--	22	USH 53 SB & CTH B RAMP TIE-IN
STAGE 8 TOTALS					925	75	658	193	32.1	907	24	575	

RESTORATION ITEMS CONT'D

STAGE	STATION	TO	STATION	OFFSET	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	628.2004 EROSION MAT CLASS I TYPE B SY	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIXTURE NO. 30 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL	COMMENTS
9A	1286+57	-	1309+97	LT	1,529	568	961	--	2.5	17	83	45	MID-PROJECT TEMP CROSSOVER
9A	1538+00	-	1571+32	LT	9,364	--	9,364	--	8.1	232	--	145	NORTH LIMIT TEMP CROSSOVER
9A	2285+15	-	2312+15	RT	7,660	--	7,660	--	5.1	145	--	90	CTH S SB ENTRANCE RAMP TEMP CROSSOVER & MAINTENANCE CROSSOVER
9A	2338+89	-	2358+92	RT	7,166	--	7,166	--	4.7	135	--	84	CTH S SB EXIT RAMP TEMP CROSSOVER & MAINTENANCE CROSSOVER
9A	2431+07	-	2431+81	RT	83	83	--	--	0.2	5	--	3	MAINTENANCE CROSSOVER
9A	2482+91	-	2483+64	RT	83	83	--	--	0.2	5	--	3	MAINTENANCE CROSSOVER
9B	2335+07'SC'	-	2338+59'SC'	LT & RT	81	81	--	--	0.2	5	--	3	CTH S SB EXIT RAMP SHLDR & GORE
STAGE 9 TOTALS					25,966	815	25,151	--	21.0	544	83	373	
10A	2082+91	-	2158+41	LT & RT	689	405	284	--	10.8	307	--	192	USH 53 SB
10A	2164+93	-	2168+22	LT & RT	--	--	--	--	0.5	14	--	9	USH 53 SB
10A	2170+54	-	2177+93	LT & RT	--	--	--	--	0.9	27	--	17	USH 53 SB & BUS 29 RAMP TIE-IN
10A	2188+75	-	2245+70	LT & RT	69	69	--	--	8.3	238	--	149	USH 53 SB & BUS 29 EXIT RAMP TEMP CROSSOVER
10B	2177+59	-	2179+25	LT & RT	195	--	195	--	0.2	6	--	4	USH 53 SB & BUS 29 RAMP TIE-IN
10B	2181+71	-	2188+75	LT & RT	13	13	--	--	1.0	29	--	18	USH 53 SB
STAGE 10 TOTALS					966	487	479	--	21.7	621	--	389	
11A	1113+43	-	1138+98	LT	10,430	--	10,430	--	7.8	223	--	139	SOUTH LIMIT TEMP CROSSOVER
11A	1142+09	-	1142+82	LT	42	42	--	--	0.1	3	--	2	MAINTENANCE CROSSOVER
11A	1205+78	-	1206+52	LT	42	42	--	--	0.1	3	--	2	MAINTENANCE CROSSOVER
11A	1236+27	-	1250+67	LT	2,549	42	2,508	--	2.1	59	--	37	BUS 29 EXIT TEMP RAMP CROSSOVER
11A	1286+57	-	1309+97	LT	8,554	--	8,554	--	6.4	184	--	115	MID-PROJECT TEMP CROSSOVER
STAGE 11 TOTALS					21,617	126	21,492	--	17	472	--	295	
UNDISTRIBUTED					28,529	7,360	21,052	167	56	1,249	374	942	
TOTALS					142,550	36,650	105,150	750	260	6,200	1,800	4,800	

NOTE:
ALL REFERENCES TO "TOPSOIL" IN THE PLAN SHALL BE PAID AS "SALVAGED TOPSOIL"

TYPE I SIGNS AND SUPPORTS

STAGE	SIGN NUMBER	SIGN CODE	SIGN DIMENSION W X H IN	X	IN	DESCRIPTION	I-BEAM TYPE	531.1100 CONCRETE MASONRY ANCILLARY STRUCTURES TYPE NS CY	531.1140 STEEL REINFORCEMENT HS ANCILLARY STRUCTURES TYPE NS LB	531.2024 DRILLING SHAFT 24-INCH LF	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS LB	637.1220 SIGNS TYPE I REFLECTIVE SH SF	638.2601 REMOVING SIGNS TYPE I EACH	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS EACH	SIGN OFFSET FROM EDGELINE FT
3	11-2	E1-1A	132	X	120	CTH B TILDEN 1 MILE	W8X21	2.0	220	16	1,130	110.00	1	2	30
3	11-2	E1-5P	108	X	30	EXIT 102	--	--	--	--	--	22.50	--	--	--
3	12-7	E4-1A	168	X	90	CTH B TILDEN	W8X21	2.0	220	16	1,032	105.00	1	2	30
3	12-7	E1-5P	108	X	30	EXIT 102	--	--	--	--	--	22.50	--	--	--
STAGE 3 TOTALS								4.0	440	32	2,162	260	2	4	
8B	14-1	E4-1A	168	X	90	CTH B TILDEN	W8X21	2.0	220	16	1,047	105.00	1	2	30
8B	14-1	E1-5P	108	X	30	EXIT 102	--	--	--	--	--	22.50	--	--	--
STAGE 8 TOTALS								2.0	220	16	1,047	128	1	2	
10	5-4	E5-63	168	X	60	TOURIST INFO EXIT 96	W8X18	1.8	204	15	793	70.00	1	2	30
STAGE 10 TOTALS								1.8	204	15	793	70	1	2	
TOTALS								7.8	864	63	4,001	457.50	4	8	

3

DELINEATORS AND MARKERS

STAGE	STATION	TO	STATION	OFFSET	204.0180 REMOVING DELINEATORS AND MARKERS EACH	633.0100 DELINEATOR POSTS STEEL EACH	633.0500 DELINEATOR REFLECTORS WHITE EACH	633.0500 DELINEATOR REFLECTORS YELLOW EACH	COMMENTS
2	1369+00'SA'	-	1374+75'SA'	RT	6	6	6	--	CTH S NB EXIT RAMP
2	1374+50'SB'	-	1385+00'SB'	RT	10	10	10	--	CTH S NB ENTRANCE RAMP
2	2326+50'SC'	-	2334+00'SC'	LT	7	7	8	--	CTH S SB EXIT RAMP
2	2314+00'SD'	-	2325+00'SD'	LT	10	10	11	--	CTH S SB ENTRANCE RAMP
STAGE 2 TOTALS					33	33	35	--	
							35		
3	1365+68'SA'	-	1369+00'SA'	RT	3	3	3	--	CTH S NB EXIT RAMP
3	1385+00'SB'	-	1388+77'SB'	RT	4	4	4	--	CTH S NB ENTRANCE RAMP
STAGE 3 TOTALS					7	7	7	--	
							7		
6	1225+18'XA'	-	1233+25'XA'	LT & RT	31	31	8	23	BUS 29 NB EXIT RAMP
6	1221+00'XB'	-	1229+79'XB'	LT & RT	28	28	15	13	BUS 29 NB ENTRANCE RAMP
6	2168+25'XC'	-	2176+92'XC'	LT & RT	27	27	13	14	BUS 29 SB EXIT RAMP
6	2172+51'XD'	-	2180+75'XD'	LT & RT	32	32	8	24	BUS 29 SB ENTRANCE RAMP
STAGE 6 TOTALS					118	118	44	74	
							118		
7	1502+45'BA'	-	1510+50'BA'	RT	8	8	8	--	CTH B NB EXIT RAMP
7	1511+00'BB'	-	1518+02'BB'	RT	7	7	7	--	CTH B NB ENTRANCE RAMP
7	2459+00'BC'	-	2465+00'BC'	LT	6	6	6	--	CTH B SB EXIT RAMP
7	2452+00'BD'	-	2457+50'BD'	LT	6	6	6	--	CTH B SB ENTRANCE RAMP
STAGE 7 TOTALS					27	27	27	--	
							27		
8	2245+00	-	2485+85	LT & RT	96	96	110	8	YELLOW FOR MEDIAN CROSSOVERS
8	2334+00'SC'	-	2337+05'SC'	LT	3	3	3	--	CTH S SB EXIT RAMP
8	2311+71'SD'	-	2314+00'SD'	LT	2	2	2	--	CTH S SB ENTRANCE RAMP
8	2465+00'BC'	-	2467+35'BC	LT	2	2	2	--	CTH B SB EXIT RAMP
8	2448+89'BD'	-	2452+00'BD'	LT	3	3	3	--	CTH B SB ENTRANCE RAMP
STAGE 8 TOTALS					106	106	120	8	
							128		
10	2082+91	-	2245+00	LT & RT	59	59	64	6	YELLOW FOR MEDIAN CROSSOVERS
STAGE 10 TOTALS					59	59	64	6	
							70		
11A	1132+77	-	1538+00	LT & RT	159	159	181	14	YELLOW FOR MEDIAN CROSSOVERS
STAGE 11 TOTALS					159	159	181	14	
							195		
TOTALS					510	510	580		

LIVING SNOW FENCE ITEMS

STATION	TO	STATION	OFFSET	632.0201.01 DOGWOOD, REDOSIER, CG, 2-FT EACH	632.0201.02 FILBERT, AMERICAN, CG, 2-FT EACH	632.0201.03 NINEBARK, COMMON, CG, 2-FT EACH	SPV.0180.02 SHREDDED HARDWOOD BARK MULCH SY
2230+91	-	2264+05	LT	827	827	827	4,405
2300+53	-	2322+25	LT	534	534	534	2,840
2371+32	-	2413+17	LT	1,048	1,048	1,048	5,580
2418+55	-	2421+99	LT	84	84	84	440
2466+02	-	2487+98	LT	547	547	547	2,915
TOTALS				3,040	3,040	3,040	16,180

LANDSCAPE PLANTING SURVEILLANCE AND CARE CYCLES

CARE CYCLE	632.9101 EACH
OCTOBER 2024	1
MAY 2025	1
JUNE 2025	2
JULY 2025	2
AUGUST 2025	2
SEPTEMBER 2025	2
OCTOBER 2025	1
MAY 2026	1
JUNE 2026	2
JULY 2026	2
AUGUST 2026	2
SEPTEMBER 2026	2
TOTAL	20

SIGN POSTS

LOCATION	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	634.0618 POSTS WOOD 4X6-INCH X 18-FT EACH
PROJECT - UNDISTRIBUTED	40	10
TOTALS	40	10

NOTE:
UNDISTRIBUTED QUANTITY INCLUDED FOR DAMAGED POSTS OR LOCATIONS IN WHICH SIGN HEIGHT ADJUSTMENTS REQUIRE A NEW POST.

EROSION CONTROL MOBILIZATION

LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
PROJECT	22	20
TOTALS	22	20

MOVING SIGNS

STAGE	SIGN NUMBER	638.2102 MOVING SIGNS TYPE II EACH
1	8-2	1
1	10-2	1
1	12-4	1
1	12-6	1
1B	13-1	1
STAGE 1 TOTAL		5
2A	17-1	1
2A	17-5	1
2B	8-5	1
2B	8-6	1
2B	8-10	1
2B	8-11	1
2B	8-14	1
2B	17-11	1
2B	17-12	1
2B	17-16	1
2B	17-17	1
2B	17-21	1
2B	17-23	1
2B	17-24	1
2B	17-26	1
2B	18-1	1
2B	18-3	1
2B	18-5	1
2B	18-7	1
2B	18-9	1
2B	18-10	1
2B	18-11	1
2B	18-12	1
2B	18-15	1
2B	18-16	1
2B	18-18	1
2B	18-19	1
2C	9-1	1
2C	9-4	1
2C	9-5	1
2C	9-7	1
2C	9-8	1
2C	9-9	1
2C	9-10	1
2C	17-10	1
2C	17-13	1
2C	17-14	1
2C	17-15	1
2C	17-18	1
2C	17-19	1
2C	17-22	1
2C	17-25	1
2C	18-2	1
2C	18-4	1
2C	18-6	1
2C	18-8	1
2C	18-13	1
2C	18-17	1
2C	18-20	1
STAGE 2 TOTAL		49
3	6-3	1
3	7-1	1
3	8-6	1
3	8-8	1
3	8-12	1
3	8-13	1
3	9-6	1
3	10-1	1
3	10-5	1
3	10-6	1
3	12-1	1
3	12-6	1
3A	13-2	1
3A	13-4	1
3	13-11	1
3	13-20	1
3	14-4	1
STAGE 3 TOTAL		17

MOVING SIGNS CONT'D

STAGE	SIGN NUMBER	638.2102 MOVING SIGNS TYPE II EACH
5	1-7	1
5	2-2	1
5	2-5	1
5	3-6	1
5	3-7	1
5	3-8	1
5	3-9	1
5	3-14	1
5	3-15	1
5	3-16	1
5	4-4	1
5	4-6	1
5	4-9	1
5	4-16	1
5	5-1	1
5	5-2	1
5	5-5	1
5	6-2	1
STAGE 5 TOTAL		18
6A	4-1	1
6A	4-3	1
6A	4-7	1
6A	4-8	1
6A	16-4	1
6A	16-5	1
6A	16-6	1
6A	16-7	1
6A	16-8	1
6A	16-9	1
6A	16-10	1
6A	16-11	1
6A	16-13	1
6A	16-15	1
6A	16-16	1
6A	16-17	1
6A	16-21	1
6A	16-22	1
6A	16-23	1
6A	16-24	1
6A	16-25	1
6A	16-26	1
6A	16-27	1
6A	16-29	1
6A	16-30	1
6A	16-31	1
6A	16-32	1
6A	16-33	1
6B	4-14	1
6B	4-15	1
6B	8-2	1
6B	8-3	1
6B	10-3	1
STAGE 6 TOTAL		33
7	13-1	1
7	13-2	1
7	13-3	1
7	13-4	1
7	13-6	1
7	13-7	1
7	13-8	1
7	13-9	1
7	13-10	1
7	13-12	1
7	13-13	1
7	13-14	1
7	13-15	1
7	13-16	1
7	13-17	1
7	13-18	1
7	13-19	1
7	13-21	1
STAGE 7 TOTAL		18

MOVING SIGNS CONT'D

STAGE	SIGN NUMBER	638.2102 MOVING SIGNS TYPE II EACH
8	6-4	1
8	7-2	1
8	7-4	1
8	8-1	1
8	8-7	1
8	8-9	1
8	9-2	1
8	9-3	1
8	9-10	1
8	9-12	1
8	10-7	1
8	11-4	1
8	12-2	1
8	12-3	1
8	13-5	1
8B	13-21	1
STAGE 8 TOTAL		16
9	8-2	1
9	8-3	1
9	10-2	1
9	10-3	1
9	12-4	1
9	12-5	1
9	14-2	1
9	14-3	1
STAGE 9 TOTAL		8
10	1-5	1
10	1-6	1
10	1-8	1
10	1-9	1
10	1-10	1
10	2-3	1
10	3-1	1
10	3-2	1
10	3-5	1
10	3-10	1
10	3-11	1
10	3-12	1
10	4-2	1
10	4-5	1
10	4-10	1
10	4-11	1
10	4-12	1
10	4-13	1
10	5-3	1
10	5-6	1
STAGE 10 TOTAL		20
11A	1-2	1
11A	1-3	1
11A	3-3	1
11A	3-4	1
11A	4-14	1
11A	4-15	1
STAGE 11 TOTAL		6
TOTAL		190

TRAFFIC CONTROL ITEMS

STAGE	LOCATION	STAGE DURATION DAYS	633.1100* DELINEATORS TEMPORARY EACH	643.0300 TRAFFIC CONTROL DRUMS NO.	643.0300 DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III NO.	643.0420 DAY	643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS NO.	643.0500 EACH	643.0600 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES NO.	643.0600 EACH	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A NO.	643.0705 DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C NO.	643.0715 DAY	643.0800 TRAFFIC CONTROL ARROW BOARDS NO.	643.0800 DAY	643.0900 TRAFFIC CONTROL SIGNS NO.	643.0900 DAY	643.1051 TRAFFIC CONTROL SIGNS PCMS WITH CELLULAR COMMUNICATIONS NO.	643.1051 DAY	643.1205.S BASIC TRAFFIC QUEUE WARNING SYSTEM NO.	643.1205.S DAY
--	PRIOR TO PROJECT	7	--	15	105	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3	21	--	--
1A	USH 53 TEMP CROSSOVERS / TEMP GUARDRAIL	25	--	925	23,125	55	1,375	--	--	--	--	110	2,750	41	1,025	6	150	125	3,125	2	50	--	--
1A	AFTER STAGE 1A COMPLETION - SOUTH LIMIT CROSSOVER	--	40	--	--	--	--	40	40	40	40	--	--	--	--	--	--	--	--	--	--	--	--
1B	CTH B EXIT RAMP / TEMP GUARDRAIL	15	--	261	3,915	6	90	--	--	--	--	12	180	60	900	6	90	64	960	2	30	--	--
STAGE 1 TOTALS			40		27,145		1,465		40		40		2,930		1,925		240		4,085		101		--
--	PRIOR TO STAGE 2B	7	--	15	105	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3	21	--	--
2B	CTH S EB / CTH S RAMPS	30	--	218	6,540	19	570	--	--	--	--	32	960	96	2,880	2	60	93	2,790	2	60	--	--
--	PRIOR TO STAGE 2C	7	--	15	105	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3	21	--	--
2C	CTH S WB / CTH S RAMPS	35	--	244	8,540	19	665	--	--	--	--	32	1,120	104	3,640	2	70	103	3,605	2	70	--	--
STAGE 2 TOTALS			--		15,290		1,235		--		--		2,080		6,520		130		6,395		172		--
--	PRIOR TO STAGE 3A	7	--	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3	--	--	--
3A & 3B	USH 53 NB (NORTH PORTION)	55	--	453	24,915	37	2,035	733	733	638	638	52	2,860	87	4,785	4	220	102	5,610	2	110	2	110
STAGE 3 TOTALS			--		24,915		2,035		733		638		2,860		4,785		220		5,610		110		110
4A	USH 53 TEMP CROSSOVERS	35	--	519	18,165	32	1,120	--	--	--	--	64	2,240	26	910	4	140	76	2,660	2	70	--	--
4B	CTH S & CTH B TEMP RAMP CROSSOVERS	10	--	145	1,450	5	50	--	--	--	--	10	100	33	330	2	20	28	280	2	20	--	--
STAGE 4 TOTALS			--		19,615		1,170		--		--		2,340		1,240		160		2,940		90		--
--	PRIOR TO STAGE 5	7	--	15	105	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3	21	--	--
5	USH 53 NB (SOUTH PORTION)	75	--	281	21,075	22	1,650	457	457	398	398	34	2,550	54	4,050	4	300	64	4,800	2	150	2	150
5	AFTER STAGE 5 COMPLETION - NORTH LIMIT CROSSOVER	--	40	--	--	--	--	40	40	40	40	--	--	--	--	--	--	--	--	--	--	--	--
STAGE 5 TOTALS			40		21,180		1,650		497		438		2,550		4,050		300		4,800		171		150
--	PRIOR TO STAGE 6	7	--	15	105	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3	21	--	--
6A	BUS 29 RAMPS	30	--	211	6,330	37	1,110	--	--	--	--	64	1,920	46	1,380	4	120	65	1,950	2	60	--	--
6B	USH 53 TEMP CROSSOVERS	20	--	731	14,620	46	920	--	--	--	--	92	1,840	28	560	4	80	99	1,980	2	40	--	--
6B	AFTER STAGE 6B COMPLETION - SOUTH LIMIT CROSSOVER	--	40	--	--	--	--	40	40	40	40	--	--	--	--	--	--	--	--	--	--	--	--
STAGE 6 TOTALS			40		21,055		2,030		40		40		3,760		1,940		200		3,930		121		--
--	PRIOR TO STAGE 7	7	--	20	140	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4	28	--	--
7	CTH B RAMPS / USH 53 SB FROM CTH Q TO CTH B	30	--	287	8,610	24	720	--	--	--	--	40	1,200	46	1,380	4	120	50	1,500	2	60	--	--
STAGE 7 TOTALS			--		8,750		720		--		--		1,200		1,380		120		1,500		88		--
8A	USH 53 SB (NORTH PORTION) / PASSING LANE NEAR CTH B EXIT	55	--	496	27,280	29	1,595	721	721	627	627	46	2,530	136	7,480	4	220	100	5,500	2	110	2	110
8B	USH 53 SB DRIVING LANE NEAR CTH B EXIT	15	--	588	8,820	30	450	--	--	--	--	48	720	212	3,180	4	60	109	1,635	2	30	2	30
STAGE 8 TOTALS			--		36,100		2,045		721		627		3,250		10,660		280		7,135		140		140
9A	USH 53 TEMP CROSSOVERS	30	--	463	13,890	22	660	--	--	--	--	44	1,320	53	1,590	8	240	68	2,040	2	60	--	--
9A	AFTER STAGE 9A COMPLETION - MIDDLE CROSSOVER	--	40	--	--	--	--	40	40	40	40	--	--	--	--	--	--	--	--	--	--	--	--
9B	CTH S TEMP RAMP CROSSOVERS	10	--	154	1,540	5	50	--	--	--	--	10	100	33	330	2	20	28	280	2	20	--	--
STAGE 9 TOTALS			40		15,430		710		40		40		1,420		1,920		260		2,320		80		--
--	PRIOR TO STAGE 10	7	--	15	105	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3	21	--	--
10A & 10B	USH 53 SB (SOUTH PORTION)	75	--	217	16,275	16	1,200	450	450	391	391	26	1,950	58	4,350	4	300	92	6,900	2	150	2	150
STAGE 10 TOTALS			--		16,380		1,200		450		391		1,950		4,350		300		6,900		171		150
11A	USH 53 TEMP CROSSOVERS	30	--	519	15,570	28	840	--	--	--	--	56	1,680	28	840	4	120	64	1,920	2	60	--	--
11B	USH 53 AND BUS 29	3	--	270	810	28	84	--	--	--	--	56	168	26	78	4	12	82	246	4	12	--	--
STAGE 11 TOTALS			--		16,380		924		--		--		1,848		918		132		2,166		72		--
TOTALS			160		222,240		15,184		2,520		2,214		26,188		39,688		2,342		47,781		1,316		550

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

COVERING SIGNS

STAGE	SIGN NUMBER	NUMBER OF CYCLES	643.0910 TRAFFIC CONTROL COVERING SIGNS TYPE I NO.	643.0910 TRAFFIC CONTROL COVERING SIGNS TYPE I EACH	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II NO.	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	COMMENTS
2B	1-4	1	1	1	--	--	CTH S, 4 1/2
2B	6-5	1	1	1	--	--	EXIT 99, CTH S CHIPPEWA FALLS 1 MILE
2B	7-3	1	1	1	--	--	HOSPITAL EXIT 99
2B	7-5	1	1	1	--	--	LAKE WISSOTA STATE PARK EXIT 99
2B	8-4	1	1	1	--	--	EXIT 99, CTH S CHIPPEWA FALLS
2B	17-2	1	--	--	1	1	DO NOT ENTER
2B	17-3	1	--	--	1	1	USH 53 SOUTH
2B	17-4	1	--	--	1	1	WRONG WAY
2B	17-6	1	--	--	1	1	KEEP RIGHT
2B	17-7	1	--	--	1	1	EAU CLAIRE
2B	17-8	1	--	--	1	1	WRONG WAY
2B	17-15	1	--	--	1	1	DIVIDED HIGHWAY, ONE WAY
2B	17-20	1	--	--	1	1	USH 53 SOUTH
2B	17-22	1	--	--	1	1	DO NOT ENTER
2B	17-25	1	--	--	1	1	WRONG WAY
2B	18-2	1	--	--	1	1	EAU CLAIRE
2B	18-6	1	--	--	1	1	USH 53 SOUTH
2B	18-14	1	--	--	1	1	KEEP RIGHT
2B	18-17	1	--	--	1	1	DO NOT ENTER
2B	18-20	1	--	--	1	1	WRONG WAY
2B	18-22	1	--	--	1	1	WRONG WAY, EAU CLAIRE
2B	18-25	1	--	--	1	1	KEEP RIGHT
2B	18-26	1	--	--	1	1	DO NOT ENTER
2B	18-27	1	--	--	1	1	WRONG WAY, USH 53 SOUTH
2C	9-11	1	1	1	--	--	EXIT 99, CTH S CHIPPEWA FALLS
2C	9-12	1	--	--	1	1	NORTHERN WIS STATE FAIR
2C	10-4	1	1	1	--	--	HOSPITAL EXIT 99
2C	10-8	1	1	1	--	--	LAKE WISSOTA STATE PARK EXIT 99
2C	11-1	1	1	1	--	--	EXIT 99, CTH S CHIPPEWA FALLS 3/4 MILE
2C	11-3	1	1	1	--	--	CTH S 1 1/2
2C	17-3	1	--	--	1	1	USH 53 NORTH
2C	17-7	1	--	--	1	1	BLOOMER
2C	17-9	1	--	--	1	1	WRONG WAY
2C	18-21	1	--	--	1	1	WRONG WAY
2C	18-22	1	--	--	1	1	BLOOMER
2C	18-23	1	--	--	1	1	DO NOT ENTER
2C	18-24	1	--	--	1	1	KEEP RIGHT
2C	18-27	1	--	--	1	1	USH 53 NORTH
2C	18-28	1	--	--	1	1	WRONG WAY
2C	18-29	1	--	--	1	1	DO NOT ENTER
2C	18-30	1	--	--	1	1	KEEP RIGHT
STAGE 2 TOTALS				10		31	
3A	19-3	1	--	--	1	1	SUPERIOR
3A	19-5	1	--	--	1	1	USH 53 NORTH
3A	19-6	1	--	--	1	1	USH 53 NORTH
3A	19-7	1	--	--	1	1	SUPERIOR
STAGE 3 TOTALS				--		4	
5 & 6A	1-4	1	1	1	--	--	CTH X/BUS 29, 1 1/2
5 & 6A	2-4	1	1	1	--	--	EXIT 96, CTH X/BUS 29 3/4 MILE
5 & 6A	3-13	1	1	1	--	--	EXIT 96, CTH X/BUS 29 CHIPPEWA FALLS
5 & 6A	16-1	1	--	--	1	1	USH 53 NORTH
5 & 6A	16-2	1	--	--	1	1	SUPERIOR
5 & 6A	16-3	1	--	--	1	1	USH 53 NORTH
5 & 6A	16-12	1	--	--	1	1	USH 53 NORTH
5 & 6A	16-14	1	--	--	1	1	USH 53 NORTH
5 & 6A	16-20	1	--	--	1	1	SUPERIOR
5 & 6A	16-28	1	--	--	1	1	USH 53 NORTH
5 & 6A	16-35	1	--	--	1	1	SUPERIOR
5 & 6A	16-36	1	--	--	1	1	USH 53 NORTH
STAGE 5 TOTALS				3		9	
6A	4-12	1	1	1	--	--	EXIT 96, CTH X/BUS 29 CHIPPEWA FALLS
6A	6-1	1	1	1	--	--	EXIT 96, CTH X/BUS 29 CHIPPEWA FALLS 1 MILE
6A	11-3	1	1	1	--	--	CTH X/BUS 29 4 1/2
6A	16-1	1	--	--	1	1	USH 53 SOUTH
6A	16-2	1	--	--	1	1	EAU CLAIRE
6A	16-18	1	--	--	1	1	USH 53 SOUTH
6A	16-19	1	--	--	1	1	EAU CLAIRE
6A	16-28	1	--	--	1	1	USH 53 SOUTH
6A	16-34	1	--	--	1	1	USH 53 SOUTH
6A	16-35	1	--	--	1	1	EAU CLAIRE/CHIPPEWA VALLEY REGIONAL AIRPORT
6A	16-36	1	--	--	1	1	USH 53 SOUTH
STAGE 6 TOTALS				3		8	

COVERING SIGNS CONT'D

STAGE	SIGN NUMBER	NUMBER OF CYCLES	643.0910 TRAFFIC CONTROL COVERING SIGNS TYPE I NO.	643.0910 TRAFFIC CONTROL COVERING SIGNS TYPE I EACH	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II NO.	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	COMMENTS
7	11-2	1	1	1	--	--	EXIT 102, CTH B TILDEN 1 MILE
7	12-7	1	1	1	--	--	EXIT 102, CTH B TILDEN
7	14-1	1	1	1	--	--	EXIT 102, CTH B TILDEN
7	15-1	1	1	1	--	--	EXIT 102, CTH B TILDEN 1 MILE
7 & 8A	19-1	1	--	--	1	1	USH 53 SOUTH
7 & 8A	19-2	1	--	--	1	1	USH 53 SOUTH
7	19-3	1	--	--	1	1	SUPERIOR
7 & 8A	19-4	1	--	--	1	1	EAU CLAIRE
7	19-5	1	--	--	1	1	USH 53 NORTH
7	19-6	1	--	--	1	1	USH 53 NORTH
7	19-7	1	--	--	1	1	SUPERIOR
7 & 8A	19-7	1	--	--	1	1	EAU CLAIRE
STAGE 7 TOTALS				4		8	
10	1-1	1	1	1	--	--	EXIT 95B, STH 29 WEST MENOMONIE
10	2-1	1	1	1	--	--	STH 29 WEST 1/2
10	2-6	1	1	1	--	--	EXITS 95 A-B, STH 29 MENOMONIE GREEN BAY 1 MILE
10	16-1	1	--	--	1	1	USH 53 SOUTH
10	16-2	1	--	--	1	1	EAU CLAIRE
10	16-18	1	--	--	1	1	USH 53 SOUTH
10	16-19	1	--	--	1	1	EAU CLAIRE
10	16-24	1	--	--	1	1	USH 53 SOUTH
10	16-28	1	--	--	1	1	USH 53 SOUTH
10	16-34	1	--	--	1	1	USH 53 SOUTH
10	16-35	1	--	--	1	1	EAU CLAIRE/CHIPPEWA VALLEY REGIONAL AIRPORT
10	16-36	1	--	--	1	1	USH 53 SOUTH
10B	4-12	1	1	1	--	--	EXIT 96, CTH X/BUS 29 CHIPPEWA FALLS
10B	6-1	1	1	1	--	--	EXIT 96, CTH X/BUS 29 CHIPPEWA FALLS 1 MILE
10B	11-3	1	1	1	--	--	CTH X/BUS 29 4 1/2
STAGE 10 TOTALS				6		9	
11B	1-4	1	1	1	--	--	CTH X/BUS 29, 1 1/2
11B	2-4	1	1	1	--	--	EXIT 96, CTH X/BUS 29 3/4 MILE
11B	3-13	1	1	1	--	--	EXIT 96, CTH X/BUS 29 CHIPPEWA FALLS
11B	4-12	1	1	1	--	--	EXIT 96, CTH X/BUS 29 CHIPPEWA FALLS
11B	6-1	1	1	1	--	--	EXIT 96, CTH X/BUS 29 CHIPPEWA FALLS 1 MILE
11B	11-3	1	1	1	--	--	CTH X/BUS 29 4 1/2
11B	16-1	1	--	--	1	1	USH 53 SOUTH/USH 53 NORTH
11B	16-2	1	--	--	1	1	EAU CLAIRE/SUPERIOR
11B	16-3	1	--	--	1	1	USH 53 NORTH
11B	16-12	1	--	--	1	1	USH 53 NORTH
11B	16-14	1	--	--	1	1	USH 53 NORTH
11B	16-18	1	--	--	1	1	USH 53 SOUTH
11B	16-19	1	--	--	1	1	EAU CLAIRE
11B	16-20	1	--	--	1	1	SUPERIOR
11B	16-24	1	--	--	1	1	USH 53 SOUTH
11B	16-28	1	--	--	1	1	USH 53 SOUTH/USH 53 NORTH
11B	16-34	1	--	--	1	1	USH 53 SOUTH
11B	16-35	1	--	--	1	1	SUPERIOR/EAU CLAIRE/CHIPPEWA VALLEY REGIONAL AIRPORT
11B	16-36	1	--	--	1	1	USH 53 SOUTH/USH 53 NORTH
STAGE 11 TOTALS				6		13	
TOTALS				32		82	

TEMPORARY PAVEMENT MARKING ITEMS (ADDITIONAL QUANTITIES SHOWN ON FOLLOWING PAGE)

STAGE	STATION	TO	STATION	633.1100* DELINEATORS TEMPORARY EACH	646.9000 MARKING REMOVAL LINE 4-INCH LF	646.9100 MARKING REMOVAL LINE 8-INCH LF	646.9300 MARKING REMOVAL SPECIAL MARKING EACH	643.3165 TEMPORARY MARKING LINE PAINT 6-INCH SOLID WHITE LF	643.3165 TEMPORARY MARKING LINE PAINT 6-INCH SOLID YELLOW LF	643.3170 TEMPORARY MARKING LINE EPOXY 6-INCH 3' LINE 9' SKIP WHITE LF	643.3170 TEMPORARY MARKING LINE EPOXY 6-INCH 12.5' LINE 37.5' SKIP WHITE LF	643.3170 TEMPORARY MARKING LINE EPOXY 6-INCH SOLID WHITE LF	643.3170 TEMPORARY MARKING LINE EPOXY 6-INCH SOLID YELLOW LF	643.3180 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH 3' LINE 9' SKIP WHITE LF	643.3180 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH SOLID WHITE LF	643.3180 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH SOLID YELLOW LF	643.3265 TEMPORARY MARKING LINE PAINT 10-INCH 3' LINE 9' SKIP WHITE LF	643.3265 TEMPORARY MARKING LINE PAINT 10-INCH SOLID WHITE LF	643.3270 TEMPORARY MARKING LINE EPOXY 10-INCH SOLID WHITE LF	643.3280 TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH SOLID WHITE LF	643.3760 TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I YELLOW EACH	643.3760 TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I WHITE EACH	643.3850 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH SOLID WHITE LF	643.3905 TEMPORARY MARKING DIAGONAL PAINT 12-INCH SOLID WHITE LF	643.3960 TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH LF	643.3980 TEMPORARY MARKING REMOVABLE MASK OUT TAPE 8-INCH LF	643.3970 TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH LF
1A	LANE CLOSURE TAPERS			--	178	--	--	--	--	--	--	--	--	--	790	2,840	--	--	--	630	--	--	--	--	355	--	--
1B	LANE CLOSURE TAPERS / EXIT & ENTRANCE RAMPS			--	783	--	--	--	--	--	--	--	--	50	2,480	200	--	--	--	600	--	--	--	--	--	--	--
STAGE 1 TOTALS				--	960	--	--	--	--	--	--	--	--	50	3,270	3,040	--	--	--	1,230	--	--	--	--	355	--	--
								--		--					6,360		--				--						
2B	LANE CLOSURE TAPERS / EXIT & ENTRANCE RAMPS			--	428	--	--	--	--	--	--	--	--	50	1,160	200	--	--	--	600	--	--	--	--	--	--	--
2B	200'EB'+00	-	240'EB'+70	--	3,457	235	4	1,380	1,400	--	--	--	--	--	5,385	5,520	--	--	--	--	--	--	20	--	--	--	--
2C	LANE CLOSURE TAPERS / EXIT & ENTRANCE RAMPS			--	428	--	--	--	--	--	--	--	--	50	1,160	200	--	--	--	600	--	--	--	--	--	--	--
2C	200'EB'+00	-	239'EB'+30	--	2,540	120	--	--	--	--	--	--	--	--	6,405	6,780	--	--	--	--	--	--	--	--	--	--	--
STAGE 2 TOTALS				--	6,852	355	4	1,380	1,400	--	--	--	--	100	14,110	12,700	--	--	--	1,200	--	--	20	--	--	--	--
								2,780		--					26,910		--				--						
3A	LANE CLOSURE TAPERS			--	178	--	--	660	--	--	--	--	--	--	--	660	--	--	--	--	--	--	--	--	178	--	--
3A	1283+75	-	1309+98	52	1,800	--	--	2,625	3,920	--	--	--	--	--	--	--	--	--	--	--	56	56	--	--	--	--	--
3A	2247+15	-	2511+17	--	--	--	--	20,481	47,824	--	--	--	--	--	955	2,531	--	--	--	--	--	--	--	--	--	--	--
3A	1342+80	-	1365+00	25	1,553	--	--	1,260	660	--	--	--	--	--	950	770	--	305	--	--	--	--	--	--	--	--	--
3A	1385+90	-	1413+96	27	2,058	--	--	1,350	650	--	--	--	--	--	1,530	1,340	--	200	--	--	--	--	--	--	--	--	--
3A	1482+21	-	1505+90	22	1,513	--	--	1,145	560	--	--	--	--	--	940	1,130	--	--	--	--	--	--	--	--	--	--	--
3A	1547+58	-	1571+32	41	1,600	--	--	1,630	1,975	--	--	--	--	--	510	--	--	--	--	--	56	60	--	--	--	--	--
3B	1342+80	-	1368+25	21	175	--	--	1,505	390	--	--	--	--	--	495	415	146	1,260	--	--	--	--	--	--	--	--	--
3B	1388+70	-	1413+96	19	448	--	--	1,315	670	--	--	--	--	--	460	350	169	200	--	--	--	--	--	--	--	--	--
3B	1482+21	-	1507+31	16	175	--	--	1,320	460	--	--	--	--	--	725	640	123	1,020	--	--	--	--	--	--	--	--	--
3B	1517+58	-	1568+70	--	--	--	--	--	--	--	--	--	--	--	5,110	--	--	--	--	--	--	--	--	--	--	--	--
--	MARKING SB AFTER STAGE COMPLETION			--	--	--	--	--	--	--	5,963	--	23,850	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	MARKING NB AFTER STAGE COMPLETION			--	--	--	--	--	--	340	5,963	23,995	23,850	--	--	--	--	--	4,320	--	--	--	--	--	--	--	--	--
STAGE 3 TOTALS				223	9,498	--	--	33,291	57,109	340	11,925	23,995	47,700	--	11,675	7,836	438	2,985	4,320	--	112	116	--	--	178	--	--
								90,400			83,960				19,511		3,423				228						
4A	LANE CLOSURE TAPERS			--	355	--	--	--	--	--	--	--	--	--	--	1,320	--	--	--	--	--	--	--	--	--	--	--
4B	LANE CLOSURE TAPER / EXIT & ENTRANCE RAMPS			--	178	--	--	--	--	--	--	--	--	50	1,160	200	--	--	--	600	--	--	--	--	--	--	--
STAGE 4 TOTALS				--	533	--	--	--	--	--	--	--	--	50	1160	1520	--	--	--	600	--	--	--	--	--	--	--
								--		--					2,730		--				--						
5	1088+75	-	1116+03	--	--	--	--	--	--	--	--	--	--	70	1,960	410	--	--	--	800	--	--	--	--	417	545	545
5	1113+43	-	1138+97	68	1,550	--	--	2,055	3,970	--	--	--	--	--	260	--	--	--	--	--	56	56	--	--	--	--	--
5	2086+44	-	2250+00	--	--	--	--	14,800	30,798	--	--	--	--	--	--	3,322	--	--	--	--	--	--	--	--	--	--	--
5	1286+50	-	1310+00	41	1,870	--	--	1,530	2,120	--	--	--	--	--	820	--	--	--	--	--	56	60	--	--	--	--	--
5	LANE CLOSURE TAPER			--	178	--	--	--	660	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	MARKING SB AFTER STAGE COMPLETION			--	--	--	--	--	--	--	4,365	--	17,460	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	MARKING NB AFTER STAGE COMPLETION			--	--	--	--	--	--	155	4,169	16,660	16,675	--	--	--	--	--	1,250	--	--	--	--	--	--	--	--	--
STAGE 5 TOTALS				108	3,598	--	--	18,385	37,548	155	8,534	16,660	34,135	70	3,040	3,737	--	--	1,250	800	112	116	--	--	417	545	545
								55,933			59,484				6,847		--				228						
6A	LANE CLOSURE TAPERS			--	355	--	--	--	--	--	--	--	--	--	1,320	--	--	--	--	--	--	--	--	--	--	--	--
6A	125+00	-	132+50	--	188	--	--	--	--	--	--	--	--	--	600	600	--	--	--	--	--	--	--	--	--	--	--
6B	1088+75	-	1106+12	--	--	--	--	--	--	--	--	--	--	--	790	1,520	--	--	--	630	--	--	--	--	178	--	--
6B	LANE CLOSURE TAPER			--	178	--	--	--	--	--	--	--	--	--	--	660	--	--	--	--	--	--	--	--	--	--	--
STAGE 6 TOTALS				--	720	--	--	--	--	--	--	--	--	--	2,710	2,780	--	--	--	630	--	--	--	--	178	--	--
								--		--					5,490		--				--						
7	LANE CLOSURE TAPERS / EXIT & ENTRANCE RAMPS			--	--	--	--	--	--	--	--	--	--	50	1,820	200	--	--	--	600	--	--	--	--	178	--	--
STAGE 7 TOTALS				--	--	--	--	--	--	--	--	--	--	50	1,820	200	--	--	--	600	--	--	--	--	178	--	--
								--		--					2,070		--				--						
8A	LANE CLOSER TAPERS			--	--	--	--	--	--	--	--	--	--	--	660	660	--	--	--	--	--	--	--	--	355	--	--
8A	2234+46	-	2257+87	41	--	--	--	2,350	1,495	--	--	--	--	--	--	465	--	--	--	--	54	54	--	--	--	--	--
8A	1294+25	-	1558+62	--	--	--	--	21,242	--	--	--	--	--	--	948	51,723	--	--	--	--	--	--	--	--	--	--	--
8A	2285+15	-	2313+70	50	--	--	--	5,125	2,650	--	--	--	--	--	425	310	--	607	--	--	--	--	--	--	--	805	--
8A	2334+05	-	2358+95	43	--	--	--	3,915	2,040	--	--	--	--	--	555	475	--	1,430	--	--	--	--	--	--	--	702	--
8A	2466+18	-	2542+10	116	--	--	--	1,970	1,970	--	--	--	--	--	2,785	2,785	--	--	--	1,930	--	--	--	550	--	900	--
8A	1547+48	-	1568+30	44	--	--	--	1,910	1,380	--	--	--	--	--	--	300	--	--	--	--	54	54	--	--	--	--	--
8B	2464+00	-	2504+20	43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	350	--
--	MARKING NB AFTER STAGE COMPLETION			--	--	--	--	--	--	--	6,031	--	24,110	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
STAGE 8 TOTALS				337	--	--	--	36,512	9,535	--	6,031	--	24,110	--	5,373	56,718	--	2,037	--	1,930	108	108	--	550	355	2,757	--
								46,047			30,141				62,091		2,037				216						
9A	LANE CLOSURE TAPERS			--	--	--	--	--	--	--	--	--	--	--	--	2,640	--	--	--	--	--	--	--	--	--	355	--
9B	LANE CLOSURE TAPER			--	--	--	--	--	--	--	--	--	--	--	660	--	--	--	--	--	--	--	--	--	--	178	--
STAGE 9 TOTALS				--	--	--	--	--	--	--	--	--	--	--	660	2,640	--	--	--	--	--	--	--	--	--	533	--
								--		--					3,300		--				--						

TEMPORARY PAVEMENT MARKING ITEMS CONT'D

STAGE	STATION	TO	STATION	633.1100* DELINEATORS TEMPORARY EACH	646.9000 MARKING REMOVAL LINE 4-INCH LF	646.9100 MARKING REMOVAL LINE 8-INCH LF	646.9300 MARKING REMOVAL SPECIAL MARKING EACH	643.3165 TEMPORARY MARKING LINE PAINT 6-INCH SOLID WHITE LF	643.3165 TEMPORARY MARKING LINE PAINT 6-INCH SOLID YELLOW LF	643.3170 TEMPORARY MARKING LINE EPOXY 6-INCH 3' LINE 9' SKIP WHITE LF	643.3170 TEMPORARY MARKING LINE EPOXY 6-INCH 12.5' LINE 37.5' SKIP WHITE LF	643.3170 TEMPORARY MARKING LINE EPOXY 6-INCH SOLID WHITE LF	643.3170 TEMPORARY MARKING LINE EPOXY 6-INCH SOLID YELLOW LF	643.3180 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH 3' LINE 9' SKIP WHITE LF	643.3180 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH SOLID WHITE LF	643.3180 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH SOLID YELLOW LF	643.3265 TEMPORARY MARKING LINE PAINT 10-INCH 3' LINE 9' SKIP WHITE LF	643.3265 TEMPORARY MARKING LINE PAINT 10-INCH SOLID WHITE LF	643.3270 TEMPORARY MARKING LINE EPOXY 10-INCH SOLID WHITE LF	643.3280 TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH SOLID WHITE LF	643.3760 TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I YELLOW EACH	643.3760 TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I WHITE EACH	643.3850 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH SOLID WHITE LF	643.3905 TEMPORARY MARKING DIAGONAL PAINT 12-INCH SOLID WHITE LF	643.3960 TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH LF	643.3980 TEMPORARY MARKING REMOVABLE MASK OUT TAPE 8-INCH LF	643.3970 TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH LF
10A	LANE CLOSURE TAPERS			--	--	--	--	--	--	--	--	--	--	--	--	1,320	--	--	--	--	--	--	--	--	--	355	--
10A	2060+29	-	2086+41	58	--	--	--	--	--	--	--	--	--	--	2,600	2,270	--	--	--	--	60	60	--	--	--	--	--
10A	1125+00	-	1297+29	--	--	--	--	14,060	--	--	--	--	--	--	--	33,386	--	--	--	--	--	--	--	--	--	--	--
10A	2178+99	-	2198+51	22	--	--	--	1,160	730	--	--	1,160	730	--	760	525	--	400	--	--	--	--	--	--	--	--	--
10A	2234+46	-	2257+87	52	--	--	--	1,455	1,495	--	--	1,455	1,500	--	830	--	--	--	--	--	54	54	--	--	--	--	--
10B	1243+66	-	1250+67	--	--	--	--	700	--	--	--	700	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
STAGE 10 TOTALS				132	--	--	--	17,375	2,225	--	--	3,315	2,230	--	4,190	37,501	--	400	--	--	114	114	--	--	--	355	--
								19,600			5,545				41,691		400				228						
11A	LANE CLOSURE TAPERS			--	--	--	--	--	--	--	--	--	--	--	790	2,180	--	--	--	630	--	--	--	--	--	355	--
11B	LANE CLOSURE TAPERS			--	--	--	--	--	--	--	--	--	--	--	1,320	--	--	--	--	--	--	--	--	--	--	355	--
STAGE 11 TOTALS				--	--	--	--	--	--	--	--	--	--	--	2,110	2,180	--	--	--	630	--	--	--	--	--	710	--
								--			--				4,290		--				--						
TOTALS				800	22,160	355	4	214,760			179,130				181,290		5,860		5,570	7,620	900		20	550	1,660	4,900	545

NOTES:
1) TEMPORARY MARKING REMOVEABLE TAPE REQUIRED FOR EXISTING PAVEMENT SURFACES THAT WILL NOT BE REPLACED (SOUTH OF USH 53 PVT REPLACEMENT, BUS 29, BEYOND CTH S PVT PVT REPLACEMENT, CTH B, AND NORTH OF USH 53 PVT REPLACEMENT) AND LOCATIONS WHERE PAVEMENT HAS BEEN NEWLY CONSTRUCTED IN PREVIOUS STAGES.
2) REMOVAL OF 6" MARKINGS IS INCIDENTAL TO TEMPORARY MARKING ITEMS THAT WERE APPLIED DURING STAGING.

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

TRAFFIC CONTROL SIGNS FIXED MESSAGE

STAGE	LOCATION	SIGN SIZE W X H FT X FT	643.1000 SF	SIGN MESSAGE
2B	USH 53 SB NEAR CTH S EXIT	11 X 4	44.00	NO RE-ENTRY TO FREEWAY
2B	USH 53 NB NEAR BUS 29 EXIT	10 X 4.5	45.00	HWY S RAMP CLOSED USE EXIT 96
2C	USH 53 NB NEAR CTH S EXIT	11 X 4	44.00	NO RE-ENTRY TO FREEWAY
2C	USH 53 SB NEAR CTH B EXIT	10 X 4.5	45.00	HWY S RAMP CLOSED USE EXIT 102
STAGE 2 TOTAL			178.00	
3A	USH 53 NB NEAR CTH B EXIT	11 X 4	44.00	NO RE-ENTRY TO FREEWAY
STAGE 3 TOTAL			44.00	
5, 6, & 11B	USH 53 NB NEAR BUS 29 EXIT	11.5 X 4.5	51.75	HWY X & BUS 29 RAMP CLOSED USE EXIT 99
STAGE 5 TOTAL			51.75	
6,10, &11B	USH 53 SB NEAR CTH S EXIT	11.5 X 4.5	51.75	HWY X & BUS 29 RAMP CLOSED USE EXIT 99
STAGE 6 TOTAL			51.75	
7	USH 53 SB NEAR STH 40 EXIT	10 X 4.5	45.00	HWY B RAMP CLOSED USE EXIT 110
7	USH 53 NB NEAR CTH S EXIT	10 X 4.5	45.00	HWY B RAMP CLOSED USE EXIT 99
STAGE 7 TOTAL			90.00	
10	USH 53 SB NEAR BUS 29 EXIT	11 X 4	44.00	NO RE-ENTRY TO FREEWAY
STAGE 10 TOTAL			44.00	
TOTAL			459.50	

MISCELLANEOUS PAVEMENT MARKING ITEMS

STAGE	STATION	TO	STATION	OFFSET	646.5020 MARKING ARROW EPOXY EACH	646.5520 MARKING OUTFALL EPOXY EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.6220 MARKING YIELD LINE EPOXY 18-INCH EACH	646.8120 MARKING CURB EPOXY LF	646.8220 MARKING ISLAND NOSE EPOXY EACH
2	202+49'EB'	-	239+43'EB'	LT & RT	10	12	--	--	140	5
2	1369+00'SA'	-	1375+25'SA'	LT & RT	--	--	40	--	--	2
2	2326+05'SC'	-	2334+00'SC'	LT & RT	--	--	40	--	--	2
STAGE 2 TOTALS					10	12	80	--	140	9
6	1225+18'XA'	-	1233+90'XA'	LT	--	--	20	10	30	2
6	2167+50'XC'	-	2176+92'XC'	RT	--	--	20	10	30	2
STAGE 6 TOTALS					--	--	40	20	60	4
7	1502+45'BA'	-	1510+85'BA'	LT & RT	--	--	45	--	--	--
7	2458+40'BC'	-	2465+00'BC'	LT & RT	--	--	45	--	--	--
STAGE 7 TOTALS					--	--	90	--	--	--
TOTALS					10	12	210	20	200	13

LONG LINE PAVEMENT MARKING ITEMS

					646.2020 MARKING LINE EPOXY 6-INCH				646.4720 MARKING LINE SAME DAY EPOXY 6-INCH	646.4020 MARKING LINE EPOXY 10-INCH	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH			646.4040 MARKING LINE GROOVED WET REF EPOXY 10-INCH	646.2025 MARKING LINE GROOVED BLACK EPOXY 6-INCH	646.2050 MARKING LINE GROOVED PERMANENT TAPE 6-INCH	646.7220 MARKING CHEVRON EPOXY 24-INCH	
STAGE	STATION	TO	STATION	OFFSET	3' LINE 9' SKIP WHITE LF	12.5' LINE 37.5' SKIP WHITE LF	SOLID WHITE LF	SOLID YELLOW LF	SOLID YELLOW LF	SOLID WHITE LF	3' LINE 9' SKIP WHITE LF	SOLID WHITE LF	SOLID YELLOW LF	SOLID WHITE LF	12.5' LINE 37.5' SKIP LF	12.5' LINE 37.5' SKIP WHITE LF	MARKING CHEVRON EPOXY 24-INCH LF	COMMENTS
2	202+49'EB'	-	239+43'EB'	LT & RT	15	--	6,165	--	4,820	--	--	--	--	560	--	--	--	CTH S EB & WB
2	1369+00'SA'	-	1375+25'SA'	LT & RT	--	--	--	--	--	--	--	575	625	85	--	--	--	CTH S NB EXIT RAMP
2	1374+50'SB'	-	1385+00'SB'	LT & RT	--	--	--	--	--	--	--	1,040	1,040	--	--	--	--	CTH S NB ENTRANCE RAMP
2	2326+05'SC'	-	2334+00'SC'	LT & RT	--	--	--	--	--	--	--	750	800	135	--	--	--	CTH S SB EXIT RAMP
2	2314+00'SD'	-	2325+00'SD'	LT & RT	--	--	--	--	--	--	--	1,095	1,095	--	--	--	--	CTH S SB ENTRANCE RAMP
STAGE 2 TOTALS					15	--	6,165	--	4,820	--	--	3,460	3,560	780	--	--	--	
						6,180						7,020						
3	1365+68'SA'	-	1369+00'SA'	LT	--	--	--	--	--	--	--	335	335	--	--	--	--	CTH S NB EXIT RAMP
3	1385+00'SB'	-	1388+77'SB'	LT	--	--	--	--	--	--	--	380	380	--	--	--	--	CTH S NB ENTRANCE RAMP
STAGE 3 TOTALS					--	--	--	--	--	--	--	715	715	--	--	--	--	
						--						1,430						
6	125+00	-	132+50	LT & RT	--	200	--	--	--	--	--	--	--	--	--	--	--	BUS 29 WB
6	1225+18'XA'	-	1233+90'XA'	LT	--	--	--	--	--	--	--	905	895	40	--	--	--	BUS 29 NB EXIT RAMP
6	1220+35'XB'	-	1229+79'XB'	LT	--	--	--	--	--	--	--	890	945	--	--	--	--	BUS 29 NB ENTRANCE RAMP
6	2167+50'XC'	-	2176+92'XC'	RT	--	--	--	--	--	--	--	970	930	40	--	--	--	BUS 29 SB EXIT RAMP
6	2172+51'XD'	-	2182+35'XD'	RT	--	--	--	--	--	--	--	830	930	--	--	--	--	BUS 29 SB ENTRANCE RAMP
STAGE 6 TOTALS					--	200	--	--	--	--	--	3,595	3,700	80	--	--	--	
						200						7,295						
7	1502+45'BA'	-	1510+85'BA'	LT & RT	--	--	--	--	--	--	--	840	835	90	--	--	--	CTH B NB EXIT RAMP
7	1510+75'BB'	-	1518+02'BB'	LT & RT	--	--	--	--	--	--	--	705	720	--	--	--	--	CTH B NB ENTRANCE RAMP
7	2458+40'BC'	-	2465+00'BC'	LT & RT	--	--	--	--	--	--	--	660	660	90	--	--	--	CTH B SB EXIT RAMP
7	2452+00'BD'	-	2457+90'BD'	LT & RT	--	--	--	--	--	--	--	560	590	--	--	--	--	CTH B SB ENTRANCE RAMP
STAGE 7 TOTALS					--	--	--	--	--	--	--	2,765	2,805	180	--	--	--	
						--						5,570						
8	2245+00	-	2485+85	LT & RT	--	45	180	180	--	--	310	24,070	24,090	3,990	5,980	5,980	180	USH 53 SB
8	2485+85	-	2517+50	LT & RT	--	--	--	--	--	--	--	--	3,165	--	--	--	--	USH 53 SB NORTH OF LIIMTS
8	2334+00'SC'	-	2337+05'SC'	RT	--	--	--	--	--	--	--	305	305	--	--	--	--	CTH S SB EXIT RAMP
8	2311+71'SD'	-	2314+00'SD'	RT	--	--	--	--	--	--	--	230	230	--	--	--	--	CTH S SB ENTRANCE RAMP
8	2465+00'BC'	-	2467+35'BC	RT	--	--	--	--	--	--	--	235	235	--	--	--	--	CTH B SB EXIT RAMP
8	2448+89'BD'	-	2452+00'BD'	RT	--	--	--	--	--	--	--	315	315	--	--	--	--	CTH B SB ENTRANCE RAMP
STAGE 8 TOTALS					--	45	180	180	--	--	310	25,155	28,340	3,990	5,980	5,980	180	
						405						53,805						
10	2060+00	-	2082+91	LT & RT	--	--	--	--	--	--	--	--	2,290	--	--	--	--	USH 53 SB SOUTH OF LIIMTS
10	2082+91	-	2245+00	LT & RT	65	270	1,055	1,055	--	340	95	15,780	16,210	950	4,050	4,050	130	USH 53 SB
STAGE 10 TOTALS					65	270	1,055	1,055	--	340	95	15,780	18,500	950	4,050	4,050	130	
						2,445						34,375						
11A	1113+00	-	1132+77	LT & RT	--	--	--	--	--	--	--	--	1,980	--	--	--	--	USH 53 NB SOUTH OF LIMITS
11A & 11B	1132+77	-	1538+00	LT & RT	45	310	1,230	1,230	--	500	450	39,360	39,270	5,070	9,825	9,825	430	USH 53 NB
11A	1538+00	-	1571+50	LT & RT	--	--	--	--	--	--	--	--	3,350	--	--	--	--	USH 53 NB NORTH OF LIMITS
STAGE 11 TOTALS					45	310	1,230	1,230	--	500	450	39,360	44,600	5,070	9,825	9,825	430	
						2,815						84,410						
TOTALS						12,045			4,820	840		193,905		11,050	19,855	19,855	740	

NOTE:
DO NOT INSTALL GROOVED MARKING ON BRIDGE DECKS, USE STANDARD EPOXY ITEMS.

WIRE AND CONDUIT ITEMS

STAGE	FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0605 CONDUIT SPECIAL 2-INCH LF	652.0700.S INSTALL CONDUIT INTO EXISTING ITEM EACH	655.0620 ELECTRICAL WIRE LIGHTING 8 AWG LF	674.0300 REMOVE CABLE LF
1B	LB1	PB4	100	--	1	345	105
1B	PB4	PB3	--	165	2	525	165
1B	PB3	PB2	--	--	--	510	160
1B	PB2	PB1	--	--	--	435	135
1B	PB1	CB1	--	--	--	150	40
TOTALS			100	165	3	1,965	605

NOTE:
FOR LOCATION, SEE CONSTRUCTION DETAILS.

MOVING RAMP CLOSURE GATE ITEMS

STATION	TO	STATION	OFFSET	204.0195 REMOVING CONCRETE BASES EACH	654.0105 CONCRETE BASES TYPE 5 EACH	SPV.0060.08 MOVING RAMP CLOSURE GATE EACH	COMMENTS
1374+50'SB'	-	1374+75'SB'	RT	1	1	1	CTH S NB ENTRANCE RAMP
TOTALS				1	1	1	

SAWING ITEMS

STAGE	STATION	TO	STATION	OFFSET	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	COMMENTS
1A	1113+43	-	1138+98	LT	16	--	SOUTH LIMIT CROSSOVER
1A	1286+57	-	1309+97	LT	16	--	MID-PROJECT CROSSOVER
1A	1342+79	-	1364+37	LT	24	--	CTH S NB EXIT RAMP CROSSOVERS
1A	1391+82	-	1413+97	LT	24	--	CTH S NB ENTRANCE RAMP CROSSOVERS
1A	1482+21	-	1501+18	LT	24	--	CTH B NB EXIT RAMP CROSSOVERS
1A	1547+48	-	1571+32	LT	16	--	NORTH LIMIT CROSSOVER
1B	2157+31	-	2158+23	LT	95	--	TEMP GUARDRAIL
1B	1495+62'BA'	-	1503+00'BA'	RT	10	--	CTH B NB EXIT RAMP
STAGE 1 TOTALS					225	--	
2A	204+13'EB'	-	206+68'EB'	LT	20	530	MEDIAN ISLAND REMOVAL
2B	209+89'EB'	-	220+93'EB'	LT & RT	10	228	CTH S EB
2B	1362+31'SA'	-	1375+27'SA'	LT & RT	245	15	CTH S NB EXIT RAMP
2B	2307+71'SD'	-	2325+26'SD'	LT & RT	378	15	CTH S SB ENTRANCE RAMP
2C	210+23'WB'	-	219+56'WB'	LT & RT	--	88	CTH S WB
2C	1374+18'SB'	-	1392+80'SB'	LT & RT	370	15	CTH S NB ENTRANCE RAMP
2C	2326+07'SC'	-	2338+59'SC'	LT & RT	175	15	CTH S SB EXIT RAMP
STAGE 2 TOTALS					1,198	906	
3A	1298+00	-	1354+46	LT & RT	28	48	USH 53 NB
3A	1362+39	-	1375+47	LT & RT	17	24	USH 53 NB
3A	1377+05	-	1395+01	LT & RT	8	24	USH 53 NB
3A	1401+52	-	1492+59	LT & RT	28	48	USH 53 NB
3A	1498+72	-	1538+00	LT & RT	415	78	USH 53 NB
STAGE 3 TOTALS					496	222	
4A	1286+57	-	1309+97	LT	16	--	MID-PROJECT CROSSOVER
STAGE 4 TOTALS					16	--	
5	1132+77	-	1210+81	LT & RT	12	24	USH 53 NB
5	1222+74	-	1231+43	LT & RT	10	35	USH 53 NB, BUS 29 RAMP TIE-INS
STAGE 5 TOTALS					22	59	
6A	1222+75'XA'	-	1233+85'XA'	LT & RT	--	116	BUS 29 NB EXIT RAMP
6A	1220+27'XB'	-	1231+43'XB'	LT & RT	--	150	BUS 29 NB ENTRANCE RAMP
6A	2167+42'XC'	-	2179+24'XC'	LT & RT	72	155	BUS 29 SB EXIT RAMP
6A	2170+54'XD'	-	2181+49'XD'	LT & RT	5	158	BUS 29 SB ENTRANCE RAMP
6B	1113+15	-	1138+95	LT	16	--	SOUTH LIMIT CROSSOVER
6B	1236+27	-	1250+67	LT	16	--	BUS 29 SB EXIT RAMP CROSSOVER
6B	1337+25	-	1361+33	LT	24	--	CTH S SB ENTRANCE RAMP CROSSOVER
6B	1390+95	-	1411+38	LT	24	--	CTH S SB EXIT RAMP CROSSOVER
STAGE 6 TOTALS					157	579	
7	1500+00'BA'	-	1509+08'BA'	LT	10	30	CTH B NB EXIT RAMP
7	1512+03'BB'	-	1521+08'BB'	LT	10	20	CTH B NB ENTRANCE RAMP
7	2460+41'BC'	-	2471+50'BC'	RT	10	90	CTH B SB EXIT RAMP
7	2475+47'BC'			LT	8	--	CTH B SB EXIT RAMP WIDENING
7	2446+05'BD'	-	2456+59'BD'	RT	18	35	CTH B SB ENTRANCE RAMP
STAGE 7 TOTALS					56	175	
8A	2244+50	-	2298+69	LT & RT	26	50	USH 53 SB
8A	2306+50	-	2323+45	LT & RT	14	24	USH 53 SB
8A	2325+05	-	2341+01	LT & RT	14	24	USH 53 SB
8A	2347+24	-	2471+00	LT & RT	18	36	USH 53 SB
8A	2471+00	-	2486+35	LT & RT	--	1,547	USH 53 SB PASSING LANE
8A	2491+04			RT	4	--	USH 53 SHOULDER WIDENING
8B	2471+00	-	2485+85	LT	10	74	USH 53 SB DRIVING LANE, CTH B TIE-IN
STAGE 8 TOTALS					86	1,755	
10A	2082+91	-	2158+41	LT & RT	14	24	USH 53 SB
STAGE 10 TOTALS					14	24	
TOTALS					2,270	3,720	

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CONSTRUCTION STAKING ITEMS (ADDITIONAL QUANTITIES SHOWN ON FOLLOWING PAGE)

STAGE	STATION	TO	STATION	OFFSET	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT LF	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE LF	650.9911 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (1190-08-79) EACH	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF	COMMENTS
1A	1113+43	-	1138+98	LT	--	2,555	2,555	--	--	--	--	2,555	SOUTH LIMIT CROSSOVER
1A	1125+24	-	1126+98	LT	2	--	--	--	--	--	--	--	
1A	1286+57	-	1309+97	LT	--	2,340	2,340	--	--	--	--	2,340	MID-PROJECT CROSSOVER
1A	1296+60	-	1298+06	LT	2	--	--	--	--	--	--	--	
1A	1342+79	-	1364+37	LT	--	2,158	2,158	--	--	--	--	2,158	CTH S NB EXIT RAMP CROSSOVERS
1A	1354+06	-	1356+15	LT	2	--	--	--	--	--	--	--	
1A	1362+49	-	1363+72	LT	2	--	--	--	--	--	--	--	
1A	1391+82	-	1413+97	LT	--	2,215	2,215	--	--	--	--	2,215	CTH S NB ENTRANCE RAMP CROSSOVERS
1A	1393+88	-	1395+09	LT	2	--	--	--	--	--	--	--	
1A	1400+01	-	1401+82	LT	2	--	--	--	--	--	--	--	
1A	1482+21	-	1501+18	LT	--	1,897	1,897	--	--	--	--	1,897	CTH B NB EXIT RAMP CROSSOVERS
1A	1491+74	-	1493+11	LT	1	--	--	--	--	--	--	--	
1A	1497+63	-	1495+48	LT	2	--	--	--	--	--	--	--	
1A	1547+48	-	1571+32	LT	--	2,384	2,384	--	--	--	--	2,384	NORTH LIMIT CROSSOVER
1A	2084+26	-	2085+05	RT	--	--	79	--	--	--	--	79	TEMP GUARDRAIL
1A	2155+20	-	2158+32	RT	--	--	312	--	--	--	--	312	TEMP GUARDRAIL
1A	2175+77	-	2179+17	RT	--	--	340	--	--	--	--	340	TEMP GUARDRAIL
1A	2319+76	-	2323+27	RT	--	--	351	--	--	--	--	351	TEMP GUARDRAIL
1A		2434+00		RT	1	--	--	--	--	--	--	--	
1A	2503+90	-	2507+95	RT	1	--	--	--	--	--	--	--	
1B	1495+62'BA'	-	1503+00'BA'	RT	--	--	738	--	--	--	--	738	CTH B NB EXIT RAMP WIDENING
1B	2082+92	-	2083+80	LT	--	--	88	--	--	--	--	88	TEMP GUARDRAIL
1B	2108+92	-	2110+44	LT	--	--	152	--	--	--	--	152	TEMP GUARDRAIL
1B	2135+25	-	2136+55	LT	--	--	130	--	--	--	--	130	TEMP GUARDRAIL
1B	2157+31	-	2158+23	LT	--	--	92	--	--	--	--	92	TEMP GUARDRAIL
1B	2320+88	-	2322+28	LT	--	--	140	--	--	--	--	140	TEMP GUARDRAIL
STAGE 1 TOTALS					17	13,549	15,971	--	--	--	--	15,971	
2A	202+49'EB'	-	209+89'EB'	LT & RT	--	--	--	--	--	740	--	--	TEMP WIDENING & TEMP MARKING
2A	220+93'EB'	-	239+70'EB'	LT & RT	--	--	--	--	--	1,877	--	--	TEMP WIDENING & TEMP MARKING
2B	209+89'EB'	-	220+93'EB'	LT & RT	--	1,103	--	--	1,103	--	--	1,103	CTH S EB
2B	1359+20'SA'	-	1362+31'SA'	RT	--	--	311	--	--	--	--	311	CTH S NB EXIT RAMP TEMPORARY
2B	1362+31'SA'	-	1375+40'SA'	LT & RT	--	1,309	--	--	1,309	--	--	1,309	CTH S NB EXIT RAMP
2B	2307+20'SD'	-	2325+26'SD'	LT & RT	--	1,806	--	--	1,806	--	--	1,806	CTH S SB ENTRANCE RAMP
2C	204+06'WB'	-	219+55'WB'	LT & RT	--	932	--	--	932	--	--	932	CTH S WB
2C	1374+18'SB'	-	1393+29'SB'	LT & RT	--	1,911	--	--	1,911	--	--	1,911	CTH S NB ENTRANCE RAMP
2C	1393+29'SB'	-	1397+57'SB'	RT	--	--	428	--	--	--	--	428	CTH S NB ENTRANCE RAMP TEMPORARY
2C	2326+06'SC'	-	2339+10'SC'	LT & RT	--	1,304	--	--	1,304	--	--	1,304	CTH S SB EXIT RAMP
STAGE 2 TOTALS					--	8,365	739	--	8,365	2,617	--	9,104	
3A & 3B	1299+50	-	1375+47	LT & RT	--	7,597	--	--	7,597	--	--	7,597	USH 53 NB
3A & 3B	1377+21	-	1538+00	LT & RT	--	16,079	--		16,079	--	--	16,079	USH 53 NB
3A	1377+52	-	1377+96	LT & RT	2	--	--	--	--	--	--	--	
3A	1364+63'SA'	-	1368+36'SA'	LT	--	373	373	--	--	--	--	373	CTH S NB EXIT RAMP CROSSOVER
3A	1501+36'BA'	-	1507+30'BA'	LT	--	594	594	--	--	--	--	594	CTH S NB ENTRANCE RAMP CROSSOVER
STAGE 3 TOTALS					2	24,643	967	--	23,676	--	--	24,643	
4A	1286+57	-	1309+97	LT	--	2,340	2,340	--	--	--	--	2,340	MID-PROJECT CROSSOVER
4A	1296+75	-	1299+78	LT	--	--	--	1	--	--	--	--	
4A		2441+01		LT & RT	1	--	--	--	--	--	--	--	
STAGE 4 TOTALS					1	2,340	2,340	1	--	--	--	2,340	
5	1132+77	-	1210+72	LT & RT	--	7,795	--	--	7,795	--	--	7,795	USH 53 NB
5	1217+10	-	1221+05	LT & RT	--	395	--	--	395	--	--	395	USH 53 NB
5	1222+74	-	1231+44	LT & RT	--	870	--	--	870	--	--	870	USH 53 NB
5	1233+90	-	1299+50	LT & RT	--	6,560	--	--	6,560	--	--	6,560	USH 53 NB
STAGE 5 TOTALS					--	15,620	--	--	15,620	--	--	15,620	
6A	1223+74'XA'	-	1233+85'XA'	LT & RT	--	1,011	--	--	1,011	--	--	1,011	BUS 29 NB EXIT RAMP
6A	1220+27'XB'	-	1231+43'XB'	LT & RT	--	1,116	--	--	1,116	--	--	1,116	BUS 29 NB ENTRANCE RAMP
6A	2167+42'XC'	-	2178+66'XC'	LT & RT	--	1,124	--	--	1,124	--	--	1,124	BUS 29 SB EXIT RAMP
6A	2170+54'XD'	-	2181+49'XD'	LT & RT	--	1,095	--	--	1,095	--	--	1,095	BUS 29 SB ENTRANCE RAMP
6B	1113+15	-	1138+95	LT	--	2,580	2,580	--	--	--	--	2,580	SOUTH LIMIT CROSSOVER
6B	1126+49	-	1128+94	LT	2	--	--	--	--	--	--	--	
6B	1236+27	-	1250+67	LT	--	1,440	1,440	--	--	--	--	1,440	BUS 29 SB EXIT RAMP CROSSOVER
6B	1337+25	-	1361+33	LT	--	2,408	2,408	--	--	--	--	2,408	CTH S SB ENTRANCE RAMP CROSSOVER
6B	1350+26	-	1352+63	LT	2	--	--	--	--	--	--	--	
6B	1358+67	-	1359+65	LT	2	--	--	--	--	--	--	--	
6B	1390+95	-	1411+38	LT	--	2,043	2,043	--	--	--	--	2,043	CTH S SB EXIT RAMP CROSSOVER
6B	2339+43	-	2340+35	RT	2	--	--	--	--	--	--	--	
STAGE 6 TOTALS					8	12,817	8,471	--	4,346	--	--	12,817	

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CONSTRUCTION STAKING ITEMS CONT'D

STAGE	STATION	TO	STATION	OFFSET	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT LF	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE LF	650.9911 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (1190-08-79) EACH	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF	COMMENTS
7	2466+21	-	2485+85	LT & RT	--	--	--	--	--	1,964	--	--	CTH B SB EXIT SHOULDER WIDENING
7	1500+00'BA'	-	1509+94'BA'	LT & RT	--	994	--	--	994	--	--	994	CTH B NB EXIT RAMP
7	1511+25'BB'	-	1521+08'BB'	LT & RT	--	983	--	--	983	--	--	983	CTH B NB ENTRANCE RAMP
7	2459+52'BC'	-	2471+50'BC'	LT & RT	--	1,198	--	--	1,198	--	--	1,198	CTH B SB EXIT RAMP
7	2446+05'BD'	-	2457+18'BD'	LT & RT	--	1,113	--	--	1,113	--	--	1,113	CTH S SB ENTRANCE RAMP
STAGE 7 TOTALS					--	4,288	--	--	4,288	1,964	--	4,288	
8A & 8B	2245+00	-	2323+31	LT & RT	--	7,831	--	--	7,831	--	--	7,831	USH 53 SB
8A & 8B	2325+07	-	2485+85	LT & RT	--	16,078	--	--	16,078	--	--	16,078	USH 53 SB
8A	2485+85	-	2488+80	RT	--	295	295	--	--	--	--	295	USH 53 SB SHLDR
8B	2485+85	-	2524+82	LT	--	--	--	--	--	3,897	--	--	USH 53 SB SHLDR
STAGE 8 TOTALS					--	24,204	295	--	23,909	3,897	--	24,204	
9A	1286+57	-	1309+97	LT	--	2,340	2,340	--	--	--	--	2,340	MID-PROJECT CROSSOVER
9A	1297+17	-	1297+97	LT	2	--	--	--	--	--	--	--	
STAGE 9 TOTALS					2	2,340	2,340	--	--	--	--	2,340	
10A	2082+91	-	2158+40	LT & RT	--	7,549	--	--	7,549	--	--	7,549	USH 53 SB
10A	2164+78	-	2168+87	LT & RT	--	409	--	--	409	--	--	409	USH 53 SB
10A & 10B	2170+55	-	2179+25	LT & RT	--	870	--	--	870	--	--	870	USH 53 SB
10A & 10B	2181+71	-	2245+00	LT & RT	--	6,329	--	--	6,329	--	--	6,329	USH 53 SB
10A	2123+00			LT	1	--	--	--	--	--	--	--	
STAGE 10 TOTALS					1	15,157	--	--	15,157	--	--	15,157	
11A	1142+16	-	1142+78	LT	--	--	--	1	--	--	--	--	
11A	1206+48	-	1205+85	LT	--	--	--	1	--	--	--	--	
11A	2507+94			LT & RT	1	--	--	--	--	--	--	--	
STAGE 11 TOTALS					1	--	--	2	--	--	--	--	
PROJECT					--	--	--	--	--	--	1	--	
TOTALS					32	123,323	31,123	3	95,361	8,478	1	126,484	

NOTE:
BASE STAKING INCLUDED ON CTH S FOR BACKFILL GRANULAR COURSE.
RESURFACING REFERENCE STAKING INCLUDED ON CTH S FOR TEMPORARY PAVEMENT AND TEMPORARY MARKING LAYOUT.

LEGEND
DELINEATED WETLAND BOUNDARY
SLOPE INTERCEPT
X CLEARING AND GRUBBING

STH 29 EB
STH 29 WB
STH 124 EB
STH 124 WB
CHIPPEWA RIVER STATE TRAIL
WCL RR
JOLES RD
USH 53 SB
USH 53 NB
USH 53 SB/STH 29 ENTRANCE
USH 53 SB/STH 29 EXIT
R/W
N

CURVE NO. 1
PI STA = 2087+63.09
Y = 116532.72
X = 162375.98
PC STA = 2062+10.54
Y=114831.47
X=164278.95
PT STA = 2110+11.29
Y=119085.27
X=162374.67
DELTA = 48°10'27"
D = 1°00'13"
T = 2552.56'
L = 4800.75'
R = 5709.75'
EXISTING SE = 3.3%
PROPOSED SE = 3.4%
SE TRANSITION (T) = 243'
RO (RUNOFF) = 153'

WARNING
HIGH-PRESSURE PIPELINE(S)
EXCAVATION AND/OR CONSTRUCTION PROHIBITED
WITHOUT COMPLIANCE WITH STATE ONE-CALL,
AND
WITHOUT WRITTEN PERMISSION FROM
MAGELLAN PIPELINE COMPANY.

SAJ DEVELOPMENT GROUP LLC

STAGE 1
STA 2075+15, RT
1-COVER PLATE TEMPORARY

STAGE 11
STA 2075+15, RT
REMOVE TEMPORARY STORM SEWER
ITEMS (INCIDENTAL TO ITEMS)

STA 2075+15
EXISTING 18" SSPRC TO REMAIN

STAGE 1
STA 2067+27, RT
1-COVER PLATE TEMPORARY

STAGE 6
STA 2067+27, RT
REMOVE TEMPORARY STORM SEWER ITEMS
(INCIDENTAL TO ITEMS)

STA 2067+28
EXISTING 18" SSPRC TO REMAIN

WISDOT
(ELECTRIC)

MAGELLAN PIPELINE
(GAS)

CAUTION

PT: 2049+30.97
PC: 2062+10.54
BEGIN SHOULDER REPLACEMENT
STA 2060+29
S-9-21
(TO REMAIN)
B-9-228
(TO REMAIN)
B-9-246
(TO REMAIN)
N48° 12' 13"W
2050
2055
2060
2065
2070
2075
CURVE 1
CURVE 2
1105
1110
1115
1120
1125
1130
N48° 13' 58"W
B-9-229
(TO REMAIN)
B-9-247
(TO REMAIN)
BEGIN SHOULDER REPLACEMENT
STA 1113+43
END SHOULDER REPLACEMENT
STA 1119+94
PC: 1115+09.25
PT: 1102+18.63
BEGIN SHOULDER REPLACEMENT
STA 1126+96
VIKING GAS TRANSMISSION COMPANY
(GAS)

CURVE NO. 2
PI STA = 1139+13.22
Y = 116496.16
X = 162524.78
PC STA = 1115+09.25
Y=114894.86
X=164317.80
PT STA = 1160+40.86
Y=118899.82
X=162486.10
DELTA = 47°18'39"
D = 1°02'38"
T = 2403.97'
L = 4531.61'
R = 5487.99'
EXISTING SE = 3.3%
PROPOSED SE = 3.5%
SE TRANSITION (T) = 248'
RO (RUNOFF) = 158'

STAGE 1
STA 1125+24, LT
1-TEMPORARY INLETS MEDIAN 1 GRATE REQ'D
1-TEMPORARY INLET COVER TYPE MS

STA 1125+24 - STA 1126+90, LT
TEMPORARY SSPRC CLASS IV 18-INCH REQ'D
1-TEMPORARY AEW (10:1) REQ'D

STAGE 6
STA 1125+24 - STA 1126+90, LT
REMOVE TEMPORARY STORM SEWER ITEMS (INCIDENTAL TO ITEMS)

STAGE 6
STA 1126+49, LT
1-TEMPORARY INLETS MEDIAN 1 GRATE REQ'D
1-TEMPORARY INLET COVER TYPE MS

STA 1126+49 - STA 1128+87, LT
TEMPORARY SSPRC CLASS IV 18-INCH REQ'D
1-TEMPORARY AEW (10:1) REQ'D

STAGE 11
STA 1126+49 - STA 1128+87, LT
REMOVE TEMPORARY STORM SEWER ITEMS
(INCIDENTAL TO ITEMS)

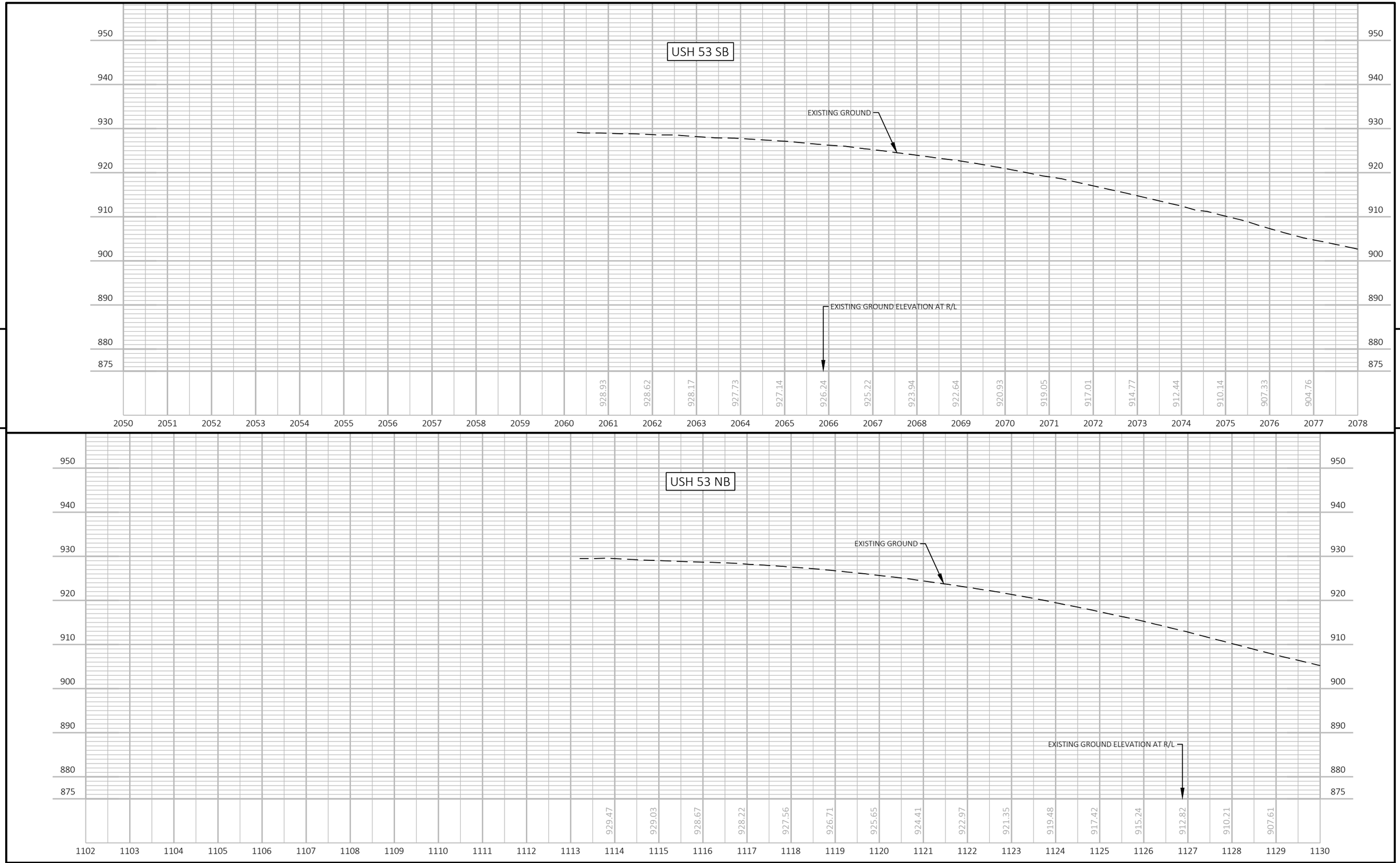
NORTHERN STATE POWER CO

RIPRAP
POST
POWER POLE
GUY WIRE
HYDRANT
WELL
SEPTIC

5

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PLAN	SHEET 268	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 01
PLOT DATE : 7/21/2023 10:30 AM
PLOT BY : AUSTIN STRAHL
PLOT NAME :
PLOT SCALE : 1 IN:200 FT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PROFILE	SHEET 269	E

LEGEND

DELINEATED WETLAND BOUNDARY

SLOPE INTERCEPT

X CLEARING AND GRUBBING

28 T N 14 13 23 24 R W 9

DO NOT DISTURB

120TH ST

R/W

STA 2082+57 - STA 2084+89, RT
STA 2083+80 - STA 2087+93, LT
STA 2085+05 - STA 2088+21, RT
REMOVING GUARDRAIL

STA 2083+61 - STA 2088+49, LT
MGS GUARDRAIL 3
MGS GUARDRAIL 3K
MGS GUARDRAIL TERMINAL EAT
MGS GUARDRAIL TERMINAL TYPE 2
(SEE CONSTRUCTION DETAIL FOR STAGING OF TEMPORARY GUARDRAIL REMOVALS AND INSTALLATIONS)

SAJ DEVELOPMENT GROUP LLC

STA 2082+75 - STA 2084+70, RT
STEEL THRIE BEAM
STEEL THRIE BEAM BULLNOSE TERMINAL

STA 2085+05 - STA 2087+46, RT
MGS GUARDRAIL 3
MGS GUARDRAIL TERMINAL EAT
MGS GUARDRAIL TERMINAL TYPE 2
(SEE CONSTRUCTION DETAIL FOR STAGING OF TEMPORARY GUARDRAIL REMOVALS AND INSTALLATIONS)

KEITH D & DIANE M HOWARD

STA 2084+27, LT
EXISTING 24" CPRC TO REMAIN
(UNDER 40TH AVE)

STA 2083+88 - STA 2084+34, LT
SLOPE PAVING CRUSHED AGGREGATE
(REPAIR IMPACTED AREA, APPROX 4' WIDE)

SENN BLACKTOP INC

WISDOT (ELECTRIC)

XCEL ENERGY (ELECTRIC)
CHARTER COMMUNICATION (COMMUNICATION)

WISDOT (COMMUNICATION)

40TH AVE

VIKING GAS TRANSMISSION COMPANY (GAS)

AT&T WISCONSIN (COMMUNICATION)

BEGIN CONSTRUCTION 2082+91
MATCH EXISTING SAWCUT REQ'D

RELOCATE LIGHTING CONNECTION
(SEE CONSTRUCTION DETAILS)

B-9-46 (TO REMAIN)

MGS 3K

MGS 3

+61 +69 +49 +99 +99

2085 2090 2095 2100 2105

CURVE 1

USH 53 SB

USH 53 NB

CURVE 2

1130 1135 1140 1145 1150 1155

CAUTION

USH 53 SB/STH 29 EXIT

2080

+26 +77 +97

XCEL ENERGY (GAS)

+18 +68

BEGIN SHOULDER GRADING
STA 1132+14

BEGIN SHOULDER REPLACEMENT
STA 1132+50

BEGIN PROJECT
STA 1132+77
Y=116,262.630
X=163,210.003
MATCH EXISTING
SAWCUT REQ'D

VILLAGE OF LAKE HALLIE (WATER)

CP/BM #508
Y = 116,523.21
X = 163,153.58
ELEV = 908.58
FENO 1000 W/ ALUMINUM CAP SET

STA 1135+68 - STA 1136+13, RT
SLOPE PAVING CRUSHED AGGREGATE
(REPAIR IMPACTED AREA, APPROX 4' WIDE)

STA 1135+85, RT
EXISTING 24" CPRC TO REMAIN
(UNDER 40TH AVE)

NORTHERN STATE POWER CO

STA 1132+67 - STA 1136+23, RT
REMOVING GUARDRAIL

STA 1132+68 - STA 1136+77, RT
MGS GUARDRAIL 3
MGS GUARDRAIL TERMINAL EAT

SENN BLACKTOP INC

SENN BLACKTOP INC

STAGE 11
MAINTENANCE CROSSOVER (SEE SDD)
STA 1142+25 - STA 1142+70, LT
REMOVE 1-18" CPCM
1-18" CP CLASS III-A REQ'D
2-AEW (10:1) REQ'D

CURVE NO. 2
PI STA = 1139+13.22
Y = 116496.16
X = 162524.78
PC STA = 1115+09.25
Y=114894.86
X=164317.80
PT STA = 1160+40.86
Y=118899.82
X=162486.10
DELTA = 47°18'39"
D = 1°02'38"
T = 2403.97'
L = 4531.61'
R = 5487.99'
EXISTING SE = 3.3%
PROPOSED SE = 3.5%
SE TRANSITION (T) = 248'
RO (RUNOFF) = 158'

CURVE NO. 1
PI STA = 2087+63.09
Y = 116532.72
X = 162375.98
PC STA = 2062+10.54
Y=114831.47
X=164278.95
PT STA = 2110+11.29
Y=119085.27
X=162374.67
DELTA = 48°10'27"
D = 1°00'13"
T = 2552.56'
L = 4800.75'
R = 5709.75'
EXISTING SE = 3.3%
PROPOSED SE = 3.4%
SE TRANSITION (T) = 243'
RO (RUNOFF) = 153'

42ND AVE

118TH ST

119TH ST

44TH AVE

CASEY A & DAWN M GUIBORD

JULIE M ENGEL

RICHARD R HAGER

JUSTIN C THOMPSON

ANDREW P & MARY K SCHARF

DAVID J & STEPHANIE J HOYLE

ALEXANDER R & KELLY A BERGH

MICHAEL A & EMILY J SUTHERLAND

JACOB & ELEISHA D FISCHER

KIMBERLY J LEAVESSEUR

DILIN J & KATIE L FENNELL

TWIN CITY MATERIALS INC

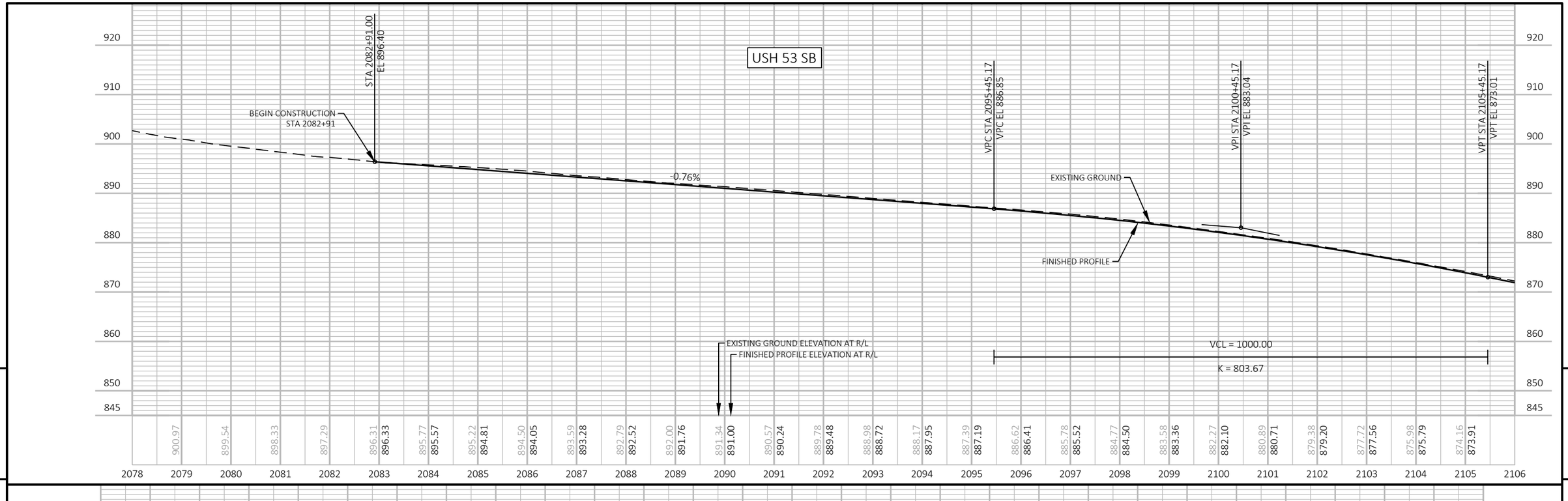
STATION & OFFSET TABLE (FACE OF BULLNOSE RAIL)		
STATION	OFFSET	REMARKS
1135+36.93	35.61', LT	POST 1, 74' TO HAZARD
1135+49.11	32.98', LT	POST 5
1136+12.31 - 1136+47.70	LT	FACE OF RAIL TO HAZARD = 6' MIN
2083+55.09 - 2083+90.88	RT	FACE OF RAIL TO HAZARD = 5' MIN
2084+54.55	32.68', RT	POST 5
2084+66.93	35.02', RT	POST 1, 74' TO HAZARD

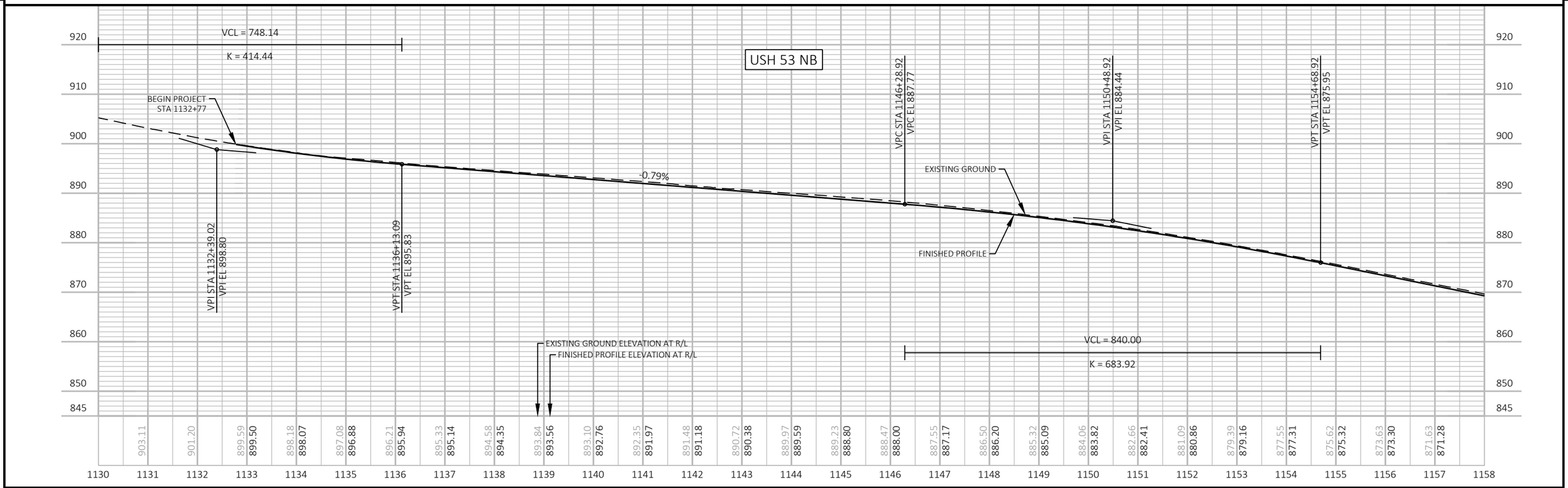
5 5

PROJECT NO: 1190-08-79 | HWY: USH 53 | COUNTY: CHIPPEWA | PLAN | SHEET 270 | E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 03

PLOT DATE : 7/21/2023 10:31 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:200 FT





PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PROFILE	SHEET 271	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 04

PLOT DATE : 7/21/2023 10:31 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:200 FT

LEGEND
DELINEATED WETLAND BOUNDARY
SLOPE INTERCEPT
X CLEARING AND GRUBBING

R/W
44TH AVE
R/W
R/W

JOHN F JR & VICKI L WILSON

STA 2109+42, LT
EXISTING INLET TO REMAIN

STAGE 10
STA 2110+52, LT (OUTSIDE DITCH)
EXISTING 24" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

T 28 N
R 14 13 W
9

LANDMARK REFERENCE MONUMENTS (BY OTHERS)

STA 2112+02, RT
EXISTING INLET TO REMAIN

STAGE 10
STA 2111+99, LT (OUTSIDE DITCH)
EXISTING 21" CPCM TO REMAIN
MARKERS FOR CULVERT END REQ'D

CURVE NO. 1
PI STA = 2087+63.09
Y = 116532.72
X = 162375.98
PC STA = 2062+10.54
Y=114831.47
X=164278.95
PT STA = 2110+11.29
Y=119085.27
X=162374.67
DELTA = 48°10'27"
D = 1°00'13"
T = 2552.56'
L = 4800.75'
R = 5709.75'
EXISTING SE = 3.3%
PROPOSED SE = 3.4%
SE TRANSITION (T) = 243'
RO (RUNOFF) = 153'

CITY OF CHIPPEWA FALLS

STA 2110+43 - STA 2122+60, LT
REMOVING GUARDRAIL

STA 2110+43 - STA 2122+96, LT
MGS GUARDRAIL 3
MGS GUARDRAIL 3K
MGS GUARDRAIL TERMINAL EAT
MGS GUARDRAIL TERMINAL TYPE 2
(SEE CONSTRUCTION DETAIL FOR STAGING OF TEMPORARY GUARDRAIL REMOVALS AND INSTALLATIONS)

STAGE 10
STA 2123+00, LT&RT
EXISTING 18" CPRC TO REMAIN
1-REMOVING AEW REQ'D
CPRC 18-INCH EXTENSION REQ'D
1-CONCRETE COLLAR REQ'D
1-AEW REQ'D
MARKERS FOR CULVERT END REQ'D

CITY OF CHIPPEWA FALLS

DILIN J & KATIE L FENNELL
BARRY E & LISA C HUPPERT

PT: 2110+11.29

WISDOT (COMMUNICATION)

MGS 3K MGS 3
+43 +46
+96 +16

CURVE 1
2105 2110 2115 2120 2125 2130 2135
+43
N0° 01' 45"W
USH 53 SB
R/W

1160 1165 1170 1175 1180 1185
N0° 55' 18"W
CURVE 2
USH 53 NB
+49 +99 +79
+68 +68 +68 +88 +18 +68
MGS 3 MGS 3K MGS 3K MGS 3
R/W
R/W

PT: 1160+40.86

UNNAMED OPEN WATER
UNNAMED OPEN WATER
UNNAMED OPEN WATER

QUARRY
QUARRY

STA 1160+47, RT
EXISTING INLET TO REMAIN

STAGE 5
STA 1161+53, RT (OUTSIDE DITCH)
EXISTING 30" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

TWIN CITY MATERIALS INC

CURVE NO. 2
PI STA = 1139+13.22
Y = 116496.16
X = 162524.78
PC STA = 1115+09.25
Y=114894.86
X=164317.80
PT STA = 1160+40.86
Y=118899.82
X=162486.10
DELTA = 47°18'39"
D = 1°02'38"
T = 2403.97'
L = 4531.61'
R = 5487.99'
EXISTING SE = 3.3%
PROPOSED SE = 3.5%
SE TRANSITION (T) = 248'
RO (RUNOFF) = 158'

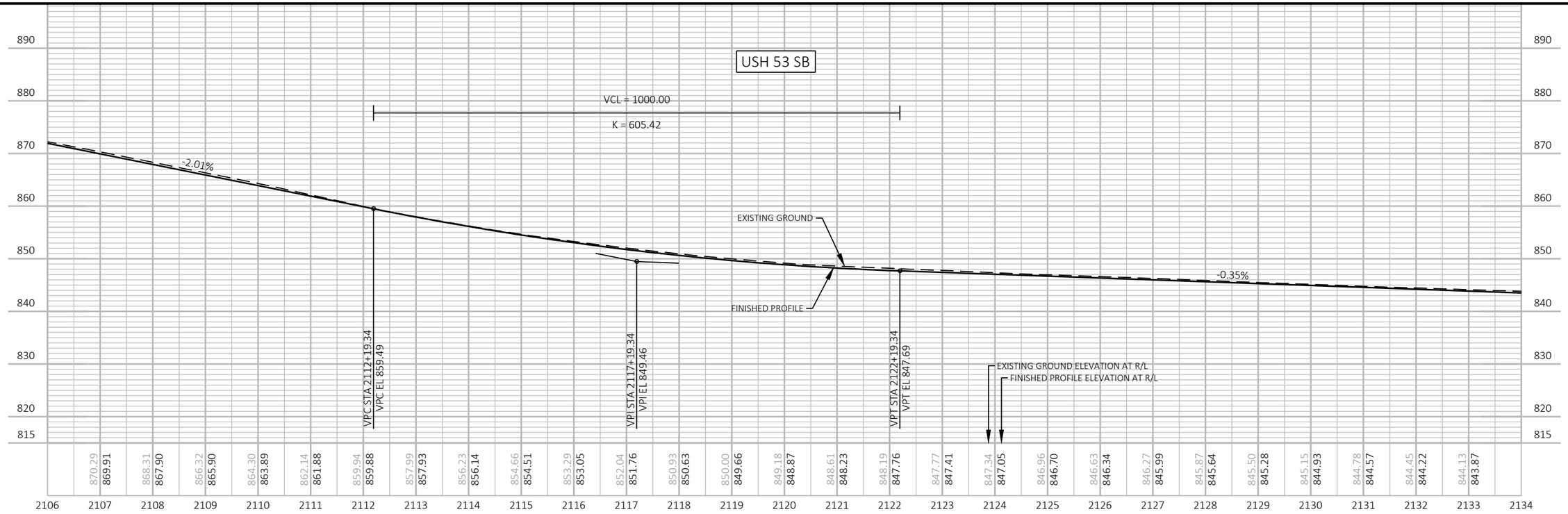
STA 1158+99 - STA 1168+17, RT
REMOVING GUARDRAIL

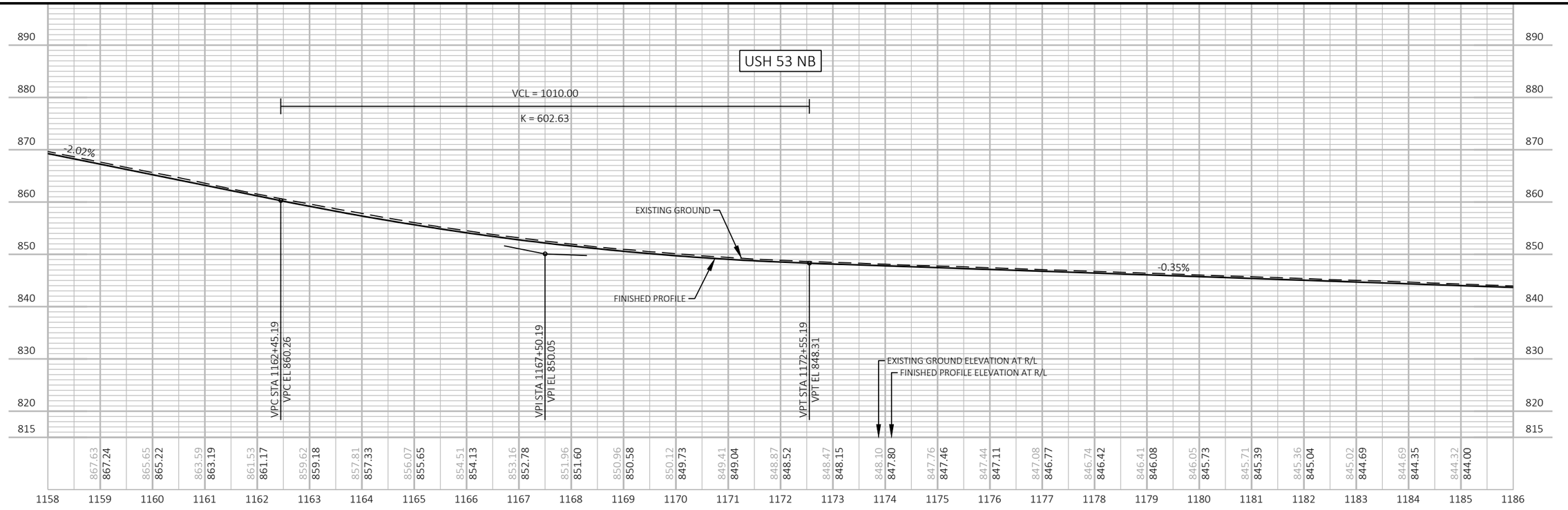
STA 1158+99 - STA 1168+68, RT
MGS GUARDRAIL 3
MGS GUARDRAIL 3K
MGS GUARDRAIL TERMINAL EAT

CITY OF CHIPPEWA FALLS
CITY OF CHIPPEWA FALLS

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PLAN	SHEET 272	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 05
PLOT DATE : 7/21/2023 10:32 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PROFILE	SHEET 273	E

LEGEND

DELINEATED WETLAND BOUNDARY

SLOPE INTERCEPT

X CLEARING AND GRUBBING

CURVE NO. 3
PI STA = 2141+20.77
Y = 122194.75
X = 162373.08
PC STA = 2139+42.27
Y=122016.25
X=162373.17
PT STA = 2142+99.26
Y=122373.22
X=162370.21
DELTA = 0°53'33"
D = 0°15'00"
T = 178.50'
L = 356.99'
R = 22918.32'
EXISTING SE = NC
PROPOSED SE = NC

STA 2135+51 - STA 2138+08, RT
STA 2136+54 - STA 2139+96, LT
REMOVING GUARDRAIL

STA 2135+94 - STA 2137+63, RT
STEEL THRIE BEAM
STEEL THRIE BEAM BULLNOSE TERMINAL

STA 2136+55 - STA 2139+95, LT
MGS GUARDRAIL 3
MGS GUARDRAIL 3K
MGS GUARDRAIL TERMINAL EAT
MGS GUARDRAIL TERMINAL TYPE 2
(SEE CONSTRUCTION DETAIL FOR
STAGING OF TEMPORARY GUARDRAIL
REMOVALS AND INSTALLATIONS)

STAGE 10
STA 2135+00, LT
EXISTING 24" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D
PLACE RIPRAP MEDIUM AT ENDWALL (SEE CONSTRUCTION DETAIL)

STA 2136+64 - STA 2137+05, LT
SLOPE PAVING CRUSHED AGGREGATE
(REPAIR IMPACTED AREA, APPROX 3' WIDE)

STAGE 10
STA 2152+96, LT
EXISTING 18" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

STAGE 10
STA 2158+04, LT
CONCRETE SURFACE DRAINS (FLUME TYPE)
STA 2158+13, RT
CONCRETE SURFACE DRAINS (FLUME TYPE)
(SEE EROSION CONTROL PLANS AND
CONSTRUCTION DETAILS FOR RIPRAP)

STA 1185+77 - STA 1189+18, RT
REMOVING GUARDRAIL

STA 1185+78 - STA 1189+71, RT
MGS GUARDRAIL 3
MGS GUARDRAIL 3K
MGS GUARDRAIL TERMINAL EAT

STA 1188+67 - STA 1189+10, RT
SLOPE PAVING CRUSHED AGGREGATE
(REPAIR IMPACTED AREA, APPROX 3' WIDE)

STA 1187+16, LT
EXISTING INLET TO REMAIN

STAGE 5
STA 1187+15, RT
EXISTING 24" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

STA 1188+14, RT
EXISTING 21" CPCM TO REMAIN
(UNDER 50TH AVE)

STA 1205+12, LT
EXISTING INLET TO REMAIN

STAGE 5
STA 1205+12, RT
EXISTING 24" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

STAGE 11
MAINTENANCE CROSSOVER
STA 1205+94 - STA 1206+40, LT
REMOVE 1-18" CPCM
1-18" CP CLASS III-A REQ'D
2-AEW (10:1) REQ'D

STA 1207+75 - STA 1210+74, RT
STA 1207+79 - STA 1210+65, LT
REMOVING GUARDRAIL

STA 1207+22 - STA 1210+64, LT
MGS GUARDRAIL 3
MGS THRIE BEAM TRANSITION
MGS GUARDRAIL TERMINAL EAT

STA 1207+68 - STA 1210+73, RT
MGS GUARDRAIL 3
MGS THRIE BEAM TRANSITION
MGS GUARDRAIL TERMINAL EAT

STA 1208+00, LT (IN DITCH)
EXISTING 24" SSPRC TO REMAIN

STAGE 5
STA 1210+19, LT
CONCRETE SURFACE DRAINS(FLUME TYPE)
STA 1210+25, RT
CONCRETE SURFACE DRAINS(FLUME TYPE)
(SEE EROSION CONTROL PLANS FOR RIPRAP)

STATION & OFFSET TABLE (FACE OF BULLNOSE RAIL)		
STATION	OFFSET	REMARKS
1188+13.60	29.98', LT	POST 1, 64' TO HAZARD
1188+25.91	27.67', LT	POST 5
1188+79.66 - 1189+10.21	LT	FACE OF RAIL TO HAZARD = 5' MIN
2136+63.60 - 2136+94.15	RT	FACE OF RAIL TO HAZARD = 5' MIN
2137+47.34	23.56', RT	POST 5
2137+59.69	25.67', RT	POST 1, 64' TO HAZARD

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
602	1210+75.94, 29.44' RT	BM ALUM CAP IN CONC	841.83

CP/BM #509
Y = 121,661.68
X = 162,536.23
ELEV = 838.72
FENO 1000 W/ ALUMINUM CAP SET

LANDMARK REFERENCE MONUMENTS (BY OTHERS)

T 28 N
R 11 12 W
14 13
9

XCEL ENERGY (ELECTRIC)
WISDOT (COMMUNICATION)
AT&T WISCONSIN (COMMUNICATION)
XCEL ENERGY (ELECTRIC TRANSMISSION)
WISDOT (COMMUNICATION)

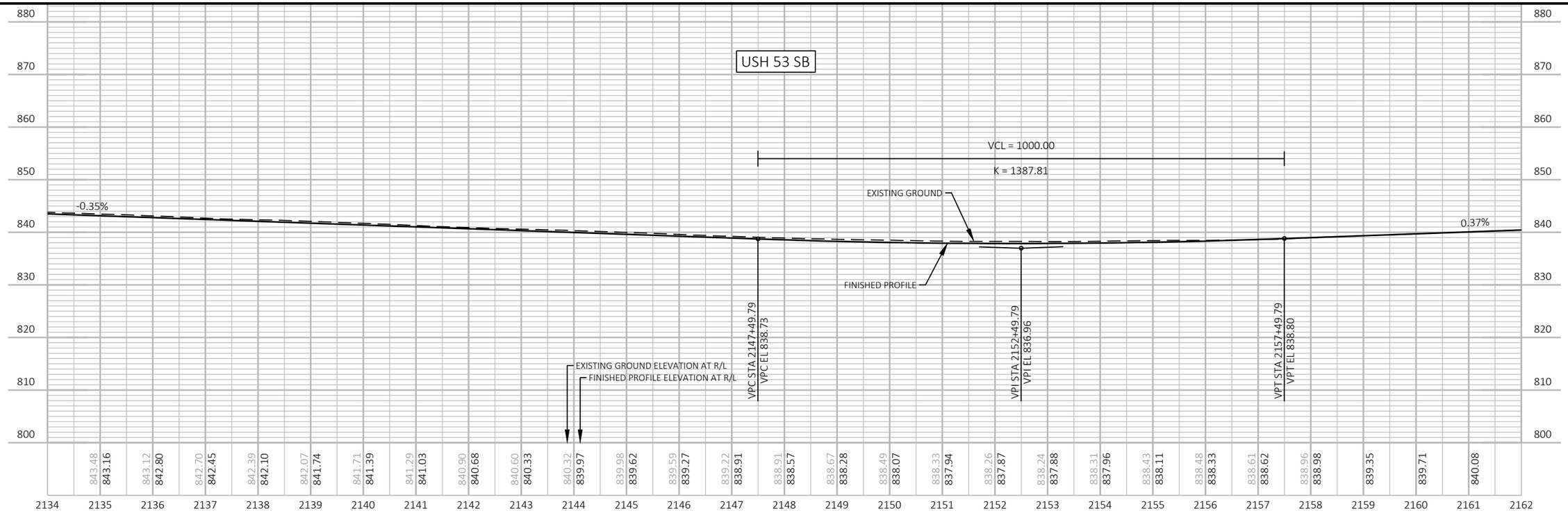
50TH AVE
B-9-47 (TO REMAIN)
PC: 2139+42.27
PT: 2142+99.26
CHIPPEWA RIVER
B-9-48 POLYMER OVERLAY (SEE STRUCTURE PLANS)
B-9-49 POLYMER OVERLAY (SEE STRUCTURE PLANS)
BM 602

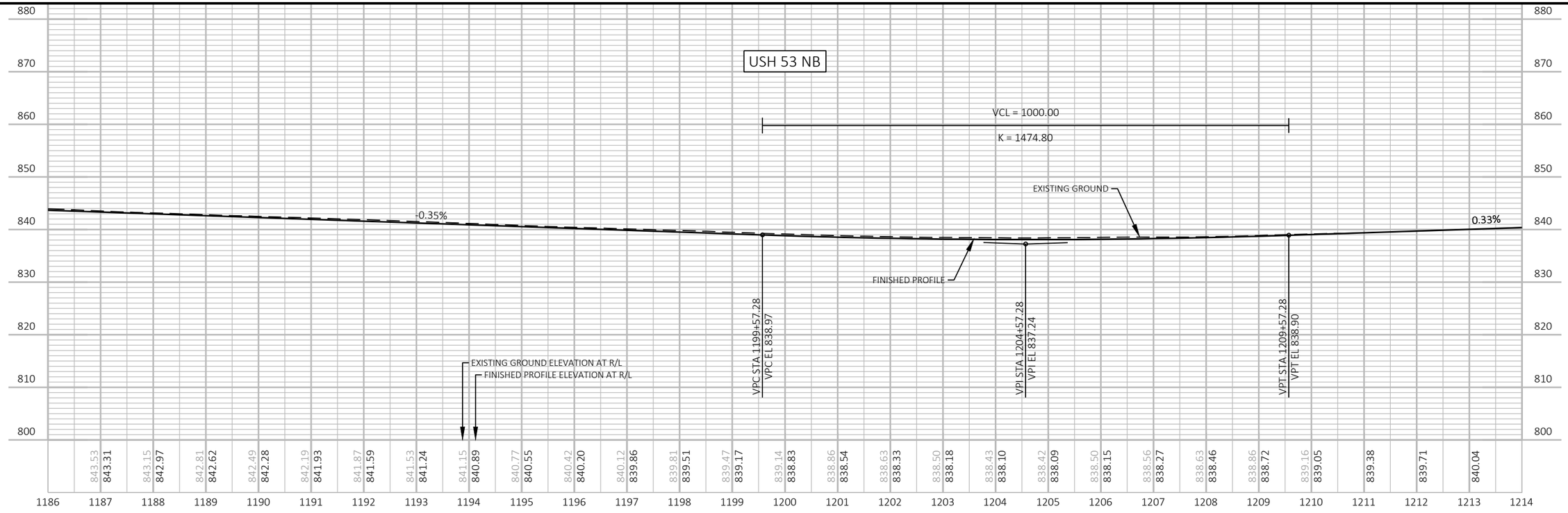
USH 53 SB
USH 53 NB
CURVE 3
N0° 01' 45"W
N0° 55' 18"W

CITY OF CHIPPEWA FALLS
CITY OF CHIPPEWA FALLS SHOOTING RANGE
A-1 PROPERTIES LLC
STATE OF WISCONSIN DOT
CITY OF CHIPPEWA FALLS WE

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PLAN	SHEET 274	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 07
PLOT DATE : 7/21/2023 10:33 AM
PLOT BY : AUSTIN STRAHL
PLOT NAME :
PLOT SCALE : 1 IN:200 FT





PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PROFILE	SHEET 275	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 08

PLOT DATE : 7/21/2023 10:34 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:200 FT

LEGEND

DELINEATED WETLAND BOUNDARY

SLOPE INTERCEPT

X CLEARING AND GRUBBING

NOTES

* GUARDRAILS SHOWN ON RAMP SHEETS

SEE "PLAN: USH 53NB/BUS 29 EXIT & ENTRANCE" & "PLAN: USH 53 SB/BUS 29 EXIT & ENTRANCE" FOR BUS 29 CONSTRUCTION LIMITS

T 28 N
R 11 12 W
9

DO NOT DISTURB

CHIPPEWA RIVER

STA 2164+75 - STA 2168+77, LT
STA 2164+86 - STA 2168+79, RT
REMOVING GUARDRAIL

STA 2164+75 - STA 2168+77, LT
MGS GUARDRAIL 3
MGS THRIE BEAM TRANSITION

STA 2164+86 - STA 2168+78, RT
MGS GUARDRAIL 3
MGS THRIE BEAM TRANSITION

CHIPP PROPERTIES LLC

WISDOT (COMMUNICATION)

AT&T WISCONSIN (COMMUNICATION)

STAGE 10
STA 2168+60, LT&RT
REMOVING SURFACE DRAINS

STA 2168+58, LT&RT
CONCRETE SURFACE DRAINS (FLUME TYPE)
(SEE EROSION CONTROL PLANS AND CONSTRUCTION DETAILS FOR RIPRAP)

WISDOT (COMMUNICATION)

XCEL ENERGY (GAS)

EB BUS 29 / CTH X

WB BUS 29 / CTH X

B-9-50
POLYMER OVERLAY
(SEE STRUCTURE PLANS)

CINC (COMMUNICATION)

JAMES PETERSON SONS INC

STA 2170+64 - STA 2173+87, RT
REMOVING GUARDRAIL
STA 2170+64 - STA 2174+06, RT
MGS GUARDRAIL 3
MGS THRIE BEAM TRANSITION
MGS GUARDRAIL TERMINAL EAT

USH 53 SB/BUS 29 ENTRANCE

USH 53 SB/BUS 29 EXIT

WIS CENTRAL LTD RAILROAD R/W

STAGE 10
STA 2179+12, RT
REMOVING SURFACE DRAINS

STAGE 10
STA 2178+95, RT
CONCRETE SURFACE DRAINS (FLUME TYPE)
(SEE EROSION CONTROL PLANS AND CONSTRUCTION DETAILS FOR RIPRAP)

STA 2164+68 - STA 2179+25
FULLY AUTOMATED RESIN BINDER HIGH FRICTION SURFACE TREATMENT
(SEE CONSTRUCTION DETAILS)

STA 2181+79 - STA 2184+62, RT
STA 2181+80 - STA 2188+74, LT
REMOVING GUARDRAIL

STA 2181+79 - STA 2185+22, RT
MGS GUARDRAIL 3
MGS THRIE BEAM TRANSITION
MGS GUARDRAIL TERMINAL EAT

STA 2181+80 - STA 2191+60, LT
MGS GUARDRAIL 3
MGS THRIE BEAM TRANSITION
MGS GUARDRAIL TERMINAL EAT

TIFFANY MARIE HAAS

STA 2183+00, RT
EXISTING INLET TO REMAIN

STAGE 10
STA 2183+00, LT
EXISTING 21" CPCM TO REMAIN
MARKERS FOR CULVERT END REQ'D

BRANCH CHIPPEWA RIVER

ASTREA (COMMUNICATION)

END CONSTRUCTION
STA 2179+25
MATCH EXISTING

BEGIN CONSTRUCTION
2181+71
MATCH EXISTING

B-9-83
(TO REMAIN)

B-9-52
(TO REMAIN)

B-9-48
POLYMER OVERLAY
(SEE STRUCTURE PLANS)

B-9-49
POLYMER OVERLAY
(SEE STRUCTURE PLANS)

B-9-51
POLYMER OVERLAY
(SEE STRUCTURE PLANS)

B-9-53
(TO REMAIN)

BM 601
BM 600
BM 604
BM 603

NGS
CP/BM #505
Y = 125,145.65
X = 162,355.54
ELEV = 842.28
NGS WHEATON E
(DO NOT DISTURB)

USH 53 SB

USH 53 NB

WCL RR

BEGIN CONSTRUCTION
1233+90
MATCH EXISTING

END CONSTRUCTION
STA 1231+44
MATCH EXISTING

CP/BM #510
Y = 125,900.03
X = 162,462.42
ELEV = 838.53
FENO 1000 W/ ALUMINUM CAP SET

T 28 N
R 2 1 W
11 12
9

LANDMARK REFERENCE MONUMENTS (BY OTHERS)

STA 1218+17, LT
EXISTING INLET TO REMAIN

STA 1217+47, LT (MEDIAN DITCH)
EXISTING 18" SSPRC TO REMAIN

STA 1217+16 - STA 1220+97, LT
STA 1217+16 - STA 1220+99, RT
REMOVING GUARDRAIL

STA 1217+14 - STA 1220+97, LT
MGS GUARDRAIL 3
MGS THRIE BEAM TRANSITION

STA 1217+25 - STA 1220+98, RT
MGS GUARDRAIL 3
MGS THRIE BEAM TRANSITION

STAGE 5
STA 1220+83, LT&RT
REMOVING SURFACE DRAINS

STA 1220+85, LT&RT
CONCRETE SURFACE DRAINS (FLUME TYPE)
(SEE EROSION CONTROL PLANS AND CONSTRUCTION DETAILS FOR RIPRAP)

CHIPPEWA COUNTY

CHIPPEWA FALLS DEPT OF PUBLIC UTIL (WATER)

CAUTION

XCEL ENERGY (ELECTRIC)
CHARTER COMMUNICATION (COMMUNICATION)

STA 1223+14, LT
EXISTING INLET TO REMAIN

STAGE 5
STA 1223+16, RT
EXISTING 18" CPCM TO REMAIN
MARKERS FOR CULVERT END REQ'D

CINC (COMMUNICATION)

GREENPOINT PROPERTIES 3 LLC

STAGE 5
STA 1230+90, LT
CONCRETE SURFACE DRAINS (FLUME TYPE)
(SEE EROSION CONTROL PLANS AND CONSTRUCTION DETAILS FOR RIPRAP)

STA 1217+09 - STA 1231+44
FULLY AUTOMATED RESIN BINDER HIGH FRICTION SURFACE TREATMENT
(SEE CONSTRUCTION DETAILS)

STA 1228+53 - STA 1231+36, LT
REMOVING GUARDRAIL

STA 1227+81 - STA 1231+36, LT
MGS GUARDRAIL 3
MGS THRIE BEAM TRANSITION
MGS GUARDRAIL TERMINAL EAT

STAGE 5
STA 1231+32, LT
REMOVING SURFACE DRAINS

STAGE 5
STA 1236+17, LT&RT
B-9-83
EXISTING 8' X 4' X 304' TRIPLE BOX CULVERT TO REMAIN
CLEANING BOX CULVERT B-9-83 REQ'D
MARKERS FOR CULVERT END REQ'D

STA 1233+98 - STA 1235+31, RT
REMOVING GUARDRAIL

STA 1233+98 - STA 1245+65, RT
MGS GUARDRAIL 3
MGS THRIE BEAM TRANSITION
MGS GUARDRAIL TERMINAL EAT

STA 1234+00 - STA 1236+43, LT
MGS GUARDRAIL 3
MGS THRIE BEAM TRANSITION
MGS GUARDRAIL TERMINAL EAT

GREENPOINT SUNSHINE CIRCLE LLC

GREENPOINT PROPERTIES 1 LLC

WIS CENTRAL LTD RAILROAD R/W

UNNAMED OPEN WATER

TIFFANY MARIE HAAS

GUY POLE

STA 1222+82 - STA 1225+25, LT
MGS GUARDRAIL 3
MGS THRIE BEAM TRANSITION
MGS GUARDRAIL TERMINAL EAT

BENCH MARKS

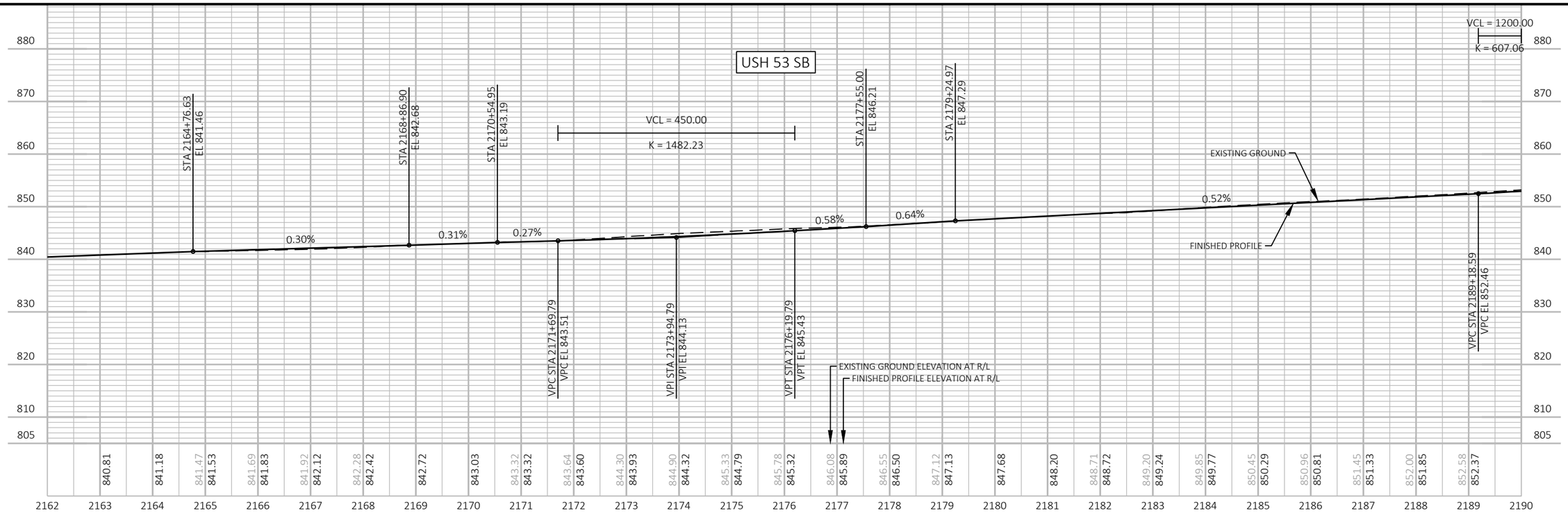
NO.	STATION	DESCRIPTION	ELEV.
600	1222+76.25, 108.36' LT	BM ALUM CAP IN CONC	844.98
601	1216+88.90, 98.49' LT	BM ALUM CAP IN CONC	843.74
603	1221+00.81, 38.43' RT	BM ALUM CAP IN CONC (DID NOT USE IN LEVEL LOOP)	845.27
604	1217+15.63, 5.53' LT	BM CUT "BOX/X" IN PARAPIT	843.97

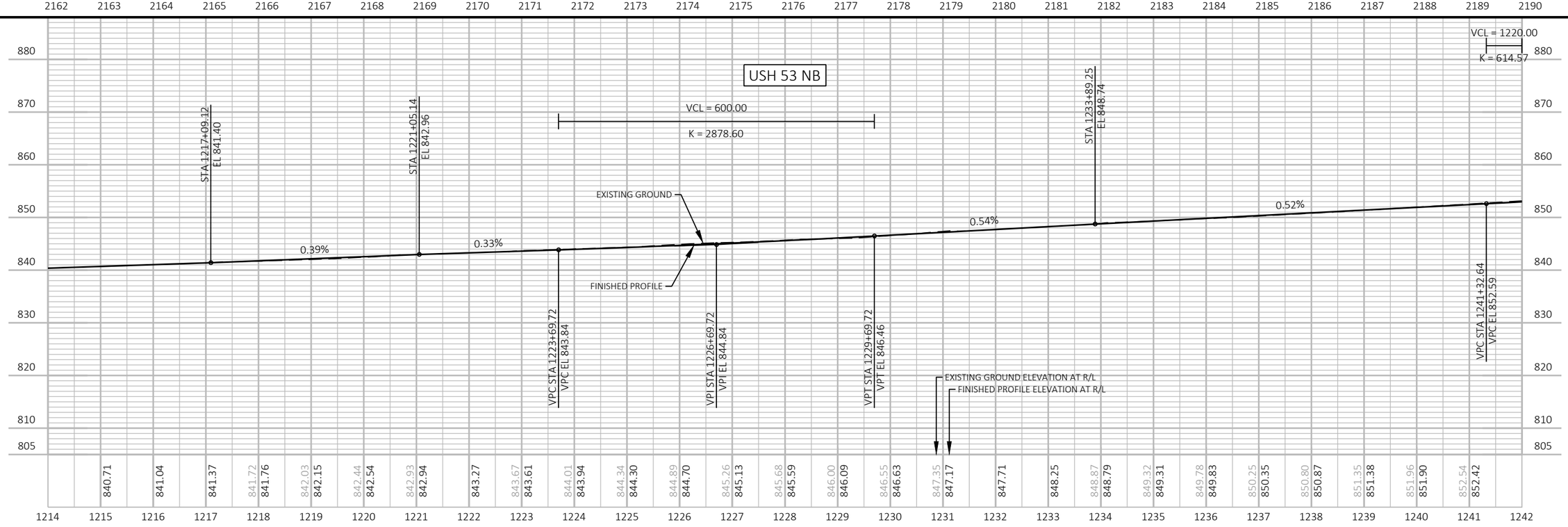
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PLAN	SHEET 276	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 09

PLOT DATE : 7/21/2023 10:35 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PROFILE	SHEET 277	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 10

PLOT DATE : 7/21/2023 10:35 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

LEGEND
DELINEATED WETLAND BOUNDARY
SLOPE INTERCEPT
X CLEARING AND GRUBBING

CURVE NO. 4
PI STA = 2202+42.91
Y = 128316.11
X = 162274.60
PC STA = 2196+55.73
Y=127729.00
X=162284.04
PT STA = 2208+29.09
Y=128901.14
X=162324.90
DELTA = 5°50'10"
D = 0°29'51"
T = 587.19'
L = 1173.36'
R = 11519.16'
EXISTING SE = RC
PROPOSED SE = RC
SE TRANSITION (T) = 180'
RO (RUNOFF) = 90'

CHRISTOPHER G BLUNT

CHRISTOPHER G BLUNT

STA 2201+02, RT
EXISTING INLET TO REMAIN

STA 2201+02, LT
EXISTING INLET TO REMAIN

STA 2181+80 - STA 2188+74, LT
REMOVING GUARDRAIL

STA 2181+80 - STA 2191+60, LT
MGS GUARDRAIL 3
MGS THRIE BEAM TRANSITION
MGS GUARDRAIL TERMINAL EAT

STAGE 10
STA 2200+54, LT
EXISTING 21" CPCM TO REMAIN
CLEANING CULVERT PIPE REQ'D
MARKERS FOR CULVERT END REQ'D

STAGE 10
STA 2201+02, LT
EXISTING 18" SSPRC TO REMAIN
CLEANING CULVERT PIPE REQ'D
MARKERS FOR CULVERT END REQ'D

N

28 T N 2 1 R W 9
LANDMARK REFERENCE MONUMENTS (BY OTHERS)

ASTREA (COMMUNICATION)

XCEL ENERGY (ELECTRIC)

SCOUR REPAIR (SEE CONSTRUCTION DETAILS)

PC: 2196+55.73

PT: 2208+29.09

R/W

FO

+10 +60 +80

2190 N0° 55' 18"W 2195 2200 CURVE 4 USH 53 SB 2205 2210 N4° 54' 52"E 2215

1245 N0° 55' 18"W 1250 1255 CURVE 5 USH 53 NB 1260 N4° 54' 52"E 1265 1270

+16 +95 +65

PC: 1248+72.14

PT: 1260+39.39

R/W

28 T N 2 1 11 12 R W 9
LANDMARK REFERENCE MONUMENTS (BY OTHERS)

STA 1233+98 - STA 1245+65, RT
MGS GUARDRAIL 3
MGS THRIE BEAM TRANSITION
MGS GUARDRAIL TERMINAL EAT

STAGE 5
STA 1243+20, RT
EXISTING 18" CPCM
W/ 15" PLASTIC LINER TO REMAIN
CLEANING CULVERT PIPE REQ'D
MARKERS FOR CULVERT END REQ'D

MICHAEL R RANDALL

STA 1252+90, RT
EXISTING INLET TO REMAIN

STAGE 5
STA 1252+04, RT (OUTSIDE DITCH)
EXISTING 21" CPCM TO REMAIN
MARKERS FOR CULVERT END REQ'D

CURVE NO. 5
PI STA = 1254+56.27
Y = 128314.01
X = 162334.64
PC STA = 1248+72.14
Y=127729.96
X=162344.03
PT STA = 1260+39.39
Y=128896.00
X=162384.68
DELTA = 5°50'10"
D = 0°30'00"
T = 584.13'
L = 1167.25'
R = 11459.16'
EXISTING SE = RC
PROPOSED SE = RC
SE TRANSITION (T) = 180'
RO (RUNOFF) = 90'

STAGE 5
STA 1260+50, RT (CUT SLOPE PIPE)
EXISTING 18" CPCM TO REMAIN
MARKERS FOR CULVERT END REQ'D

MICHAEL R RANDALL

STA 1263+16, LT
EXISTING INLET TO REMAIN

STAGE 5
STA 1263+16, RT
EXISTING 18" SSPRC TO REMAIN
CLEANING CULVERT PIPE REQ'D
MARKERS FOR CULVERT END REQ'D

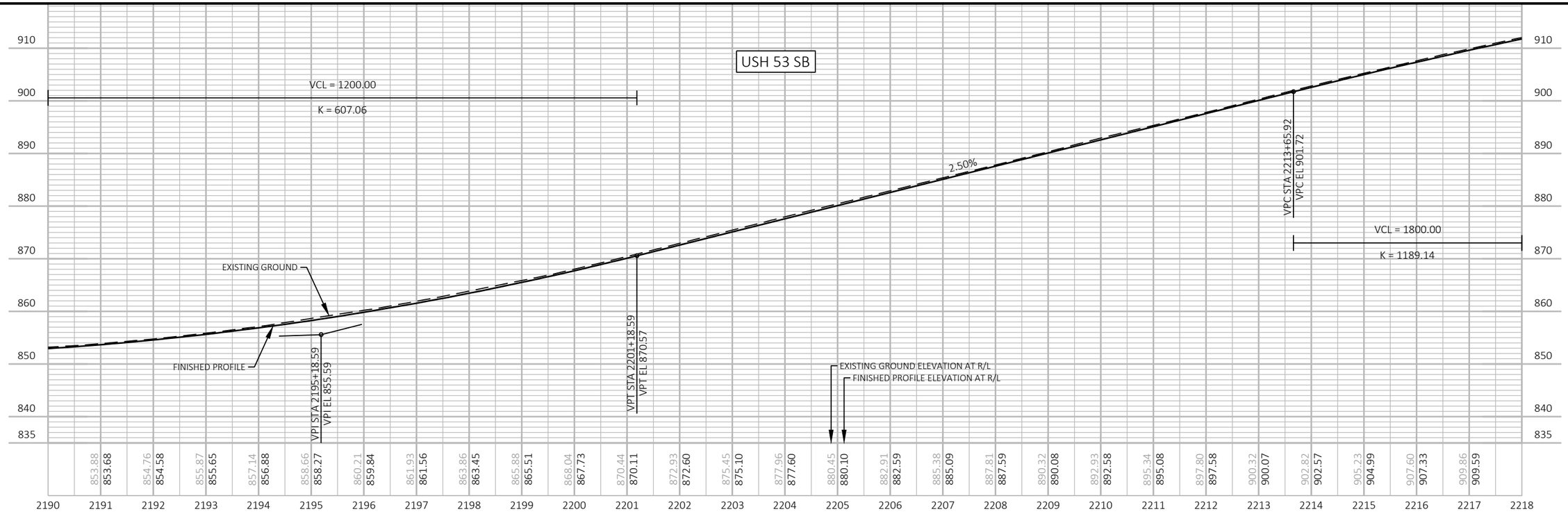
R/W

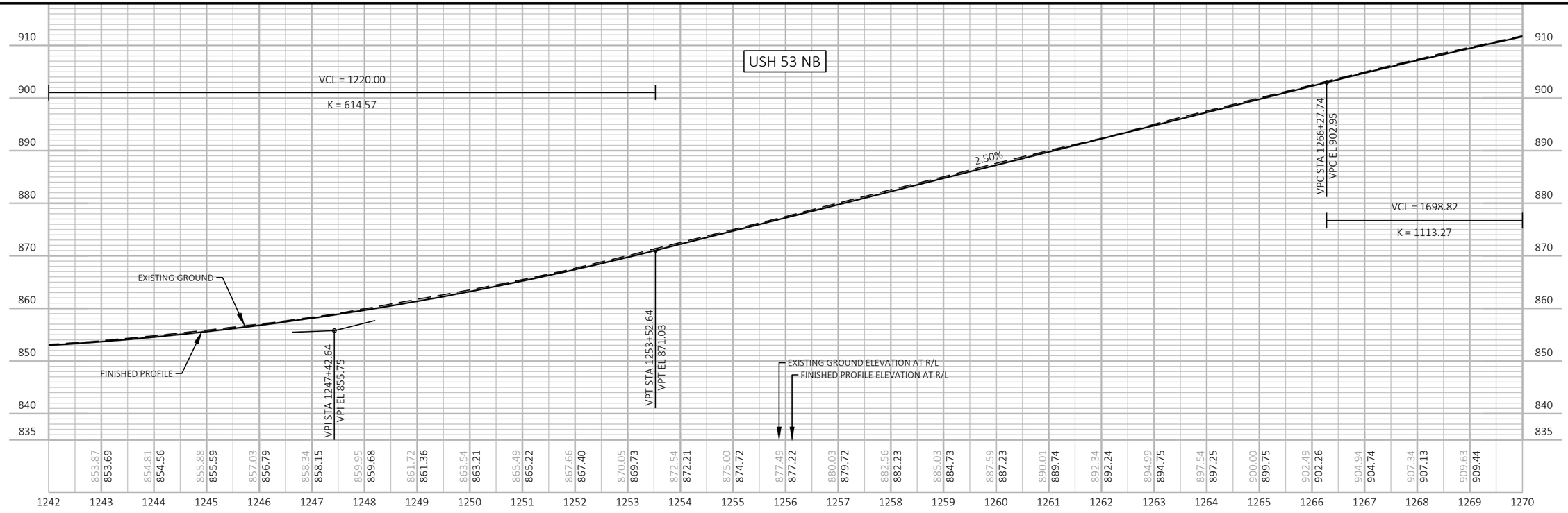
PETER J & KATHERINE A SOKUP

BRIAN E & KAY M MARKS

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PLAN	SHEET 278	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 11
PLOT DATE : 7/21/2023 10:36 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PROFILE	SHEET 279	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 12

PLOT DATE : 7/21/2023 10:36 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:200 FT

LEGEND

DELINEATED WETLAND BOUNDARY

SLOPE INTERCEPT

X CLEARING AND GRUBBING

N

CHRISTOPHER G BLUNT

DOUGLAS D CUSTER
DARRYL E CUSTER

STATE OF WISCONSIN DOT

T 28 N R 9 W — 28 / 2 1 / 9

LANDMARK REFERENCE MONUMENTS (BY OTHERS)

STA 2221+06, RT
EXISTING INLET TO REMAIN

STAGE 10
STA 2221+06, LT
EXISTING 18" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

STA 2228+61 - STA 2231+42, RT
REMOVING GUARDRAIL

STA 2229+05 - STA 2230+99, RT
STEEL THRIE BEAM
STEEL THRIE BEAM BULLNOSE TERMINAL

STAGE 10
STA 2231+36, LT
EXISTING 24" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

T 29 N R 9 W — 35 36 / 2 1 — T 28 N R 9 W

DO NOT DISTURB

DUNN ENERGY COOP (ELECTRIC)
CHARTER COMMUNICATION (COMMUNICATION)

ASTREA (COMMUNICATION)

WISDOT (ELECTRIC)

ASTREA (COMMUNICATION)

R/W

CTH N

AT&T WISCONSIN (COMMUNICATION)

B-9-54 (TO REMAIN)

LIVING SNOW FENCE (SEE CONSTRUCTION DETAIL)

5

2220 2225 2230 USH 53 SB 2235 2240 2245

1270 1275 1280 1285 1290 1295

USH 53 NB

XCEL ENERGY (ELECTRIC)

PETER J & KATHERINE A SOKUP

BRIAN E & KAY M MARKS

ANGELA R OLINGER

JAMES S & JILL E TALLMAN

CHIPPEWA COUNTY HOUSING AUTHORITY

CHIPPEWA COUNTY HOUSING AUTHORITY

CHIPPEWA COUNTY HOUSING AUTHORITY

CHIPPEWA COUNTY HOUSING AUTHORITY

CRAIG L & PAMELA A ERMATINGER

BENJAMIN A & HILLARY SWOBODA

CP/BM #511
Y = 131,033.68
X = 162,663.90
ELEV = 946.08
FENO 1000 W/ ALUMINUM CAP SET

STA 1283+46, LT
EXISTING INLET TO REMAIN

STAGE 5
STA 1283+46, RT
EXISTING 24" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

STATION & OFFSET TABLE (FACE OF BULLNOSE RAIL)		
STATION	OFFSET	REMARKS
1281+18.37	25.41', LT	POST 1, 73' TO HAZARD
1281+30.67	23.03', LT	POST 5
1281+93.19 - 1282+31.11	LT	FACE OF RAIL TO HAZARD = 6' MIN
2229+83.00 - 2230+20.92	RT	FACE OF RAIL TO HAZARD = 5' MIN
2230+82.98	23.48', RT	POST 5
2230+95.27	25.87', RT	POST 1, 73' TO HAZARD

HEARTLAND CONTRACTORS WI INC

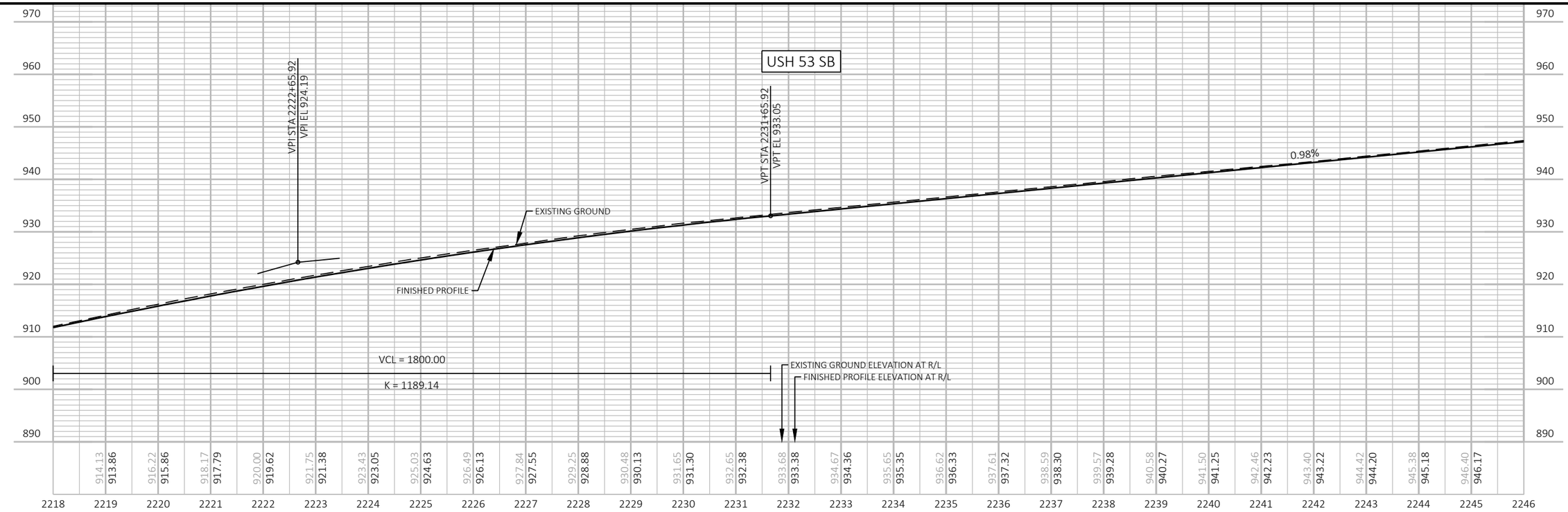
JAMES N & BARBARA J LOWE

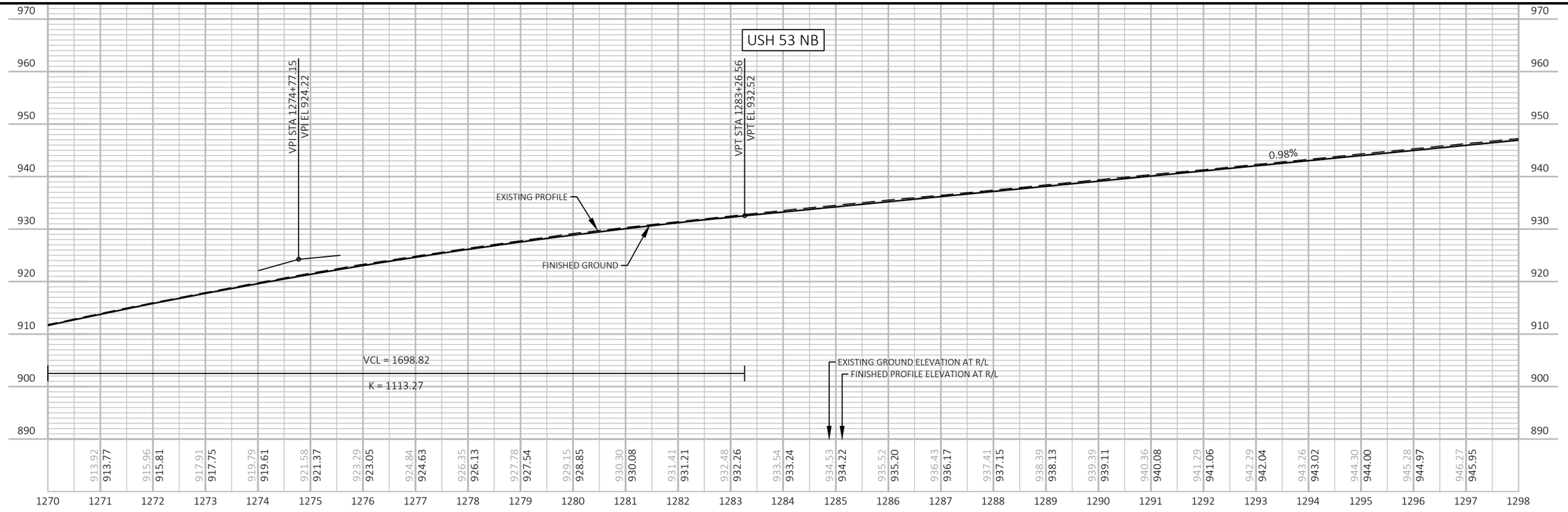
R/W

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PLAN	SHEET 280	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 13

PLOT DATE : 7/21/2023 10:37 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:200 FT





5

5

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PROFILE	SHEET 281	E

LEGEND
DELINEATED WETLAND BOUNDARY
SLOPE INTERCEPT
X CLEARING AND GRUBBING

N

T 29 N
R 9 W
35 36

DO NOT DISTURB

DOUGLAS D CUSTER
DARRYL E CUSTER

GARY A & DEBORAH A MCDONALD

GARY A & DEBORAH A MCDONALD

GARY A & DEBORAH A MCDONALD

STAGE 8
STA 2249+94, LT
EXISTING 36" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

STAGE 8
STA 2264+05, LT
EXISTING 30" SSPRC TO REMAIN
CLEANING CULVERT PIPE REQ'D
MARKERS FOR CULVERT END REQ'D

STA 2274+04, RT
EXISTING INLET TO REMAIN

STAGE 8
STA 2274+05, LT
EXISTING 18" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

STATE OF WISCONSIN DOT

STATE OF WISCONSIN DOT

DOUGLAS D CUSTER
DARRYL E CUSTER

GARY A & DEBORAH A MCDONALD

STATE OF WISCONSIN DOT

R/W

ASTREA
(COMMUNICATION)

DUNN ENERGY COOP
(ELECTRIC)

R/W

120TH ST

5

UNNAMED CREEK

2245 2250 2255 USH 53 SB 2260 2265 2270 2275

1300 1305 1310 1315 1320 1325

USH 53 NB

X

STAGE 1
STA 1298+06, LT
1-TEMPORARY INLETS MEDIAN 1 GRATE REQ'D
1-TEMPORARY INLET COVERS TYPE MS REQ'D

R/W

STA 1296+68 - STA 1298+06, LT
TEMPORARY SSPRC CLASS IV 18-INCH REQ'D
1-TEMPORARY AEW (10:1) REQ'D

JAMES N & BARBARA J LOWE

STAGE 4
STA 1298+06, LT
TEMPORARY INLET TO REMAIN
1-COVER PLATE TEMPORARY

STATE OF WISCONSIN DOT

STA 1296+68 - STA 1298+06, LT
REMOVE TEMPORARY STORM SEWER 18-INCH (INCIDENTAL TO ITEMS)

STA 1296+00 - STA 1299+76, LT
1-TEMPORARY CULVERT PIPE 12-INCH
2-TEMPORARY AEW (10:1) REQ'D

STAGE 9
STA 1296+00 - STA 1299+76, LT
REMOVE TEMPORARY CULVERT PIPE

JAMES N &
BARBARA J LOWE

STA 1297+06, LT
REMOVE TEMPORARY STORM SEWER ITEMS (INCIDENTAL TO ITEMS)

STA 1297+97, LT
1-TEMPORARY INLETS MEDIAN 1 GRATE REQ'D
1-TEMPORARY INLET COVERS TYPE MS REQ'D

STA 1295+75 - STA 1297+97, LT
TEMPORARY SSPRC CLASS IV 18-INCH REQ'D
1-TEMPORARY AEW (10:1) REQ'D

STAGE 11
STA 1295+75 - STA 1297+97, LT
REMOVE TEMPORARY STORM SEWER ITEMS (INCIDENTAL TO ITEMS)

STAGE 1
STA 1301+91, LT
EXISTING INLET TO REMAIN

STAGE 4
STA 1301+91, LT
EXISTING INLET TO REMAIN

STAGE 3
STA 1301+77, RT
EXISTING 36" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

STA 1316+15, LT
EXISTING INLET TO REMAIN

STAGE 3
STA 1316+15, RT
EXISTING 30" SSPRC TO REMAIN
CLEANING CULVERT PIPE REQ'D
MARKERS FOR CULVERT END REQ'D

DAVID A & JOAN M ROBARGE

DUNN ENERGY COOP
(ELECTRIC)

R/W

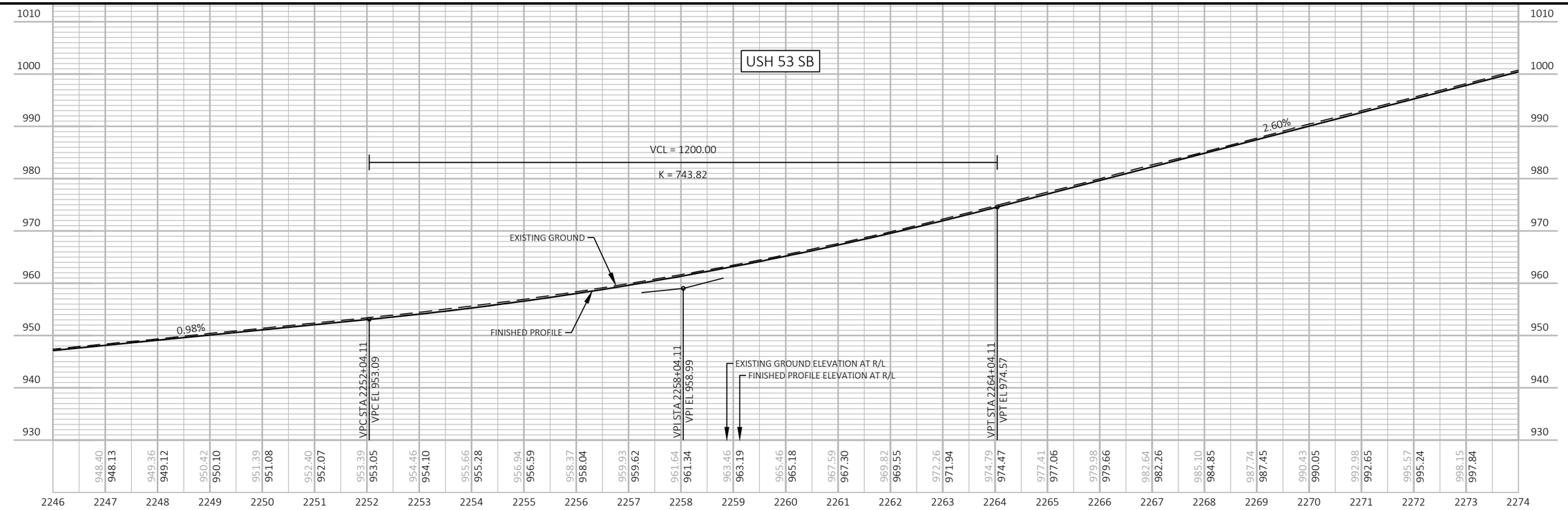
STAGE 3
STA 1320+74, LT&RT
EXISTING 48" CPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

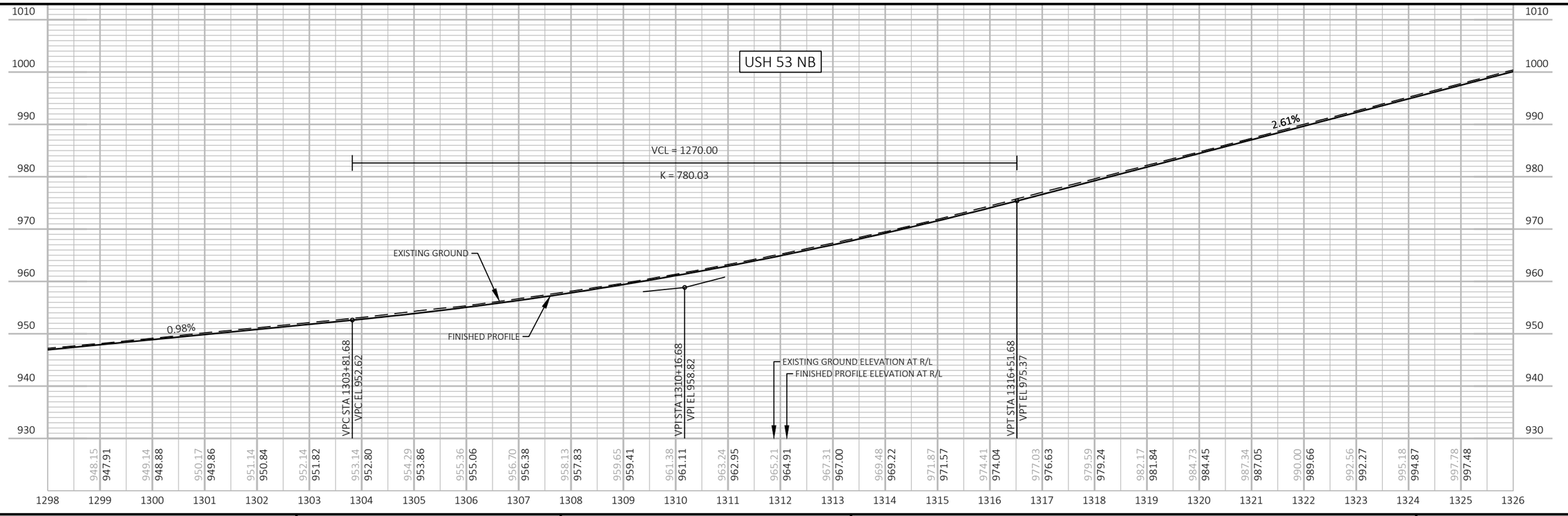
THAD A HEBERT
LINDA L LIEDL

DAVID A & JOAN M ROBARGE

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PLAN	SHEET 282	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 15
PLOT DATE : 7/21/2023 10:38 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PROFILE	SHEET 283	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 16

PLOT DATE : 7/21/2023 10:38 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:200 FT

LEGEND
DELINEATED WETLAND BOUNDARY
SLOPE INTERCEPT
X CLEARING AND GRUBBING

GARY A & DEBORAH A MCDONALD

GARY A & DEBORAH A MCDONALD

GARY A & DEBORAH A MCDONALD

STATE OF WISCONSIN DOT

GARY A MCDONALD
MARY K MCDONALD

GARY A MCDONALD
MARY K MCDONALD

CURVE NO. 6
PI STA = 2313+10.00
Y = 139343.52
X = 163222.79
PC STA = 2295+60.12
Y=137600.07
X=163072.88
PT STA = 2329+54.09
Y=140866.68
X=162361.34
DELTA = 34°24'20"
D = 1°00'49"
T = 1749.89'
L = 3393.97'
R = 5652.00'
EXISTING SE = 3.3%
PROPOSED SE = 3.4%
SE TRANSITION (T) = 243'
RO (RUNOFF) = 153'

T 29 N
R 26 25 W
35 36
9

DO NOT DISTURB

N

STAGE 6
STA 1350+26, LT
1-TEMPORARY INLETS MEDIAN 1 GRATE REQ'D
1-TEMPORARY INLET COVERS TYPE MS REQ'D

STA 1350+26 - STA 1352+54, LT
TEMPORARY SSPRC CLASS IV 18-INCH
1-TEMPORARY AEW (10:1) REQ'D

STAGE 9
STA 1350+26 - STA 1352+54, LT
REMOVE TEMPORARY STORM SEWER ITEMS (INCIDENTAL TO ITEMS)

STAGE 8
STA 2296+81, LT
EXISTING 30" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

5

120TH ST

R/W

ASTREA
(COMMUNICATION)

PC: 2295+60.12

R/W

2275 2280 2285 USH 53 SB 2290 N4° 54' 52"E 2295 CURVE 6 2300

1325 1330 1335 1340 1345 N4° 54' 52"E 1350 CURVE 7 1355

USH 53 NB

5

R/W

CP/BM #512
Y = 136,705.19
X = 163,148.50
ELEV = 1023.17
FENO 1000 W/ ALUMINUM CAP SET

PC: 1347+72.90

R/W

ROBERT A & DARLENE M HEBERT

KOHEL PROPERTIES LLC

THAD A & LINDA L HEBERT

THAD A HEBERT
LINDA L LIEDL

ROBERT A & DARLENE M HEBERT

STAGE 6
STA 1348+65, LT
1-COVER PLATE TEMPORARY

STAGE 9
STA 1348+65, LT
REMOVE TEMPORARY STORM SEWER ITEMS
(INCIDENTAL TO ITEMS)

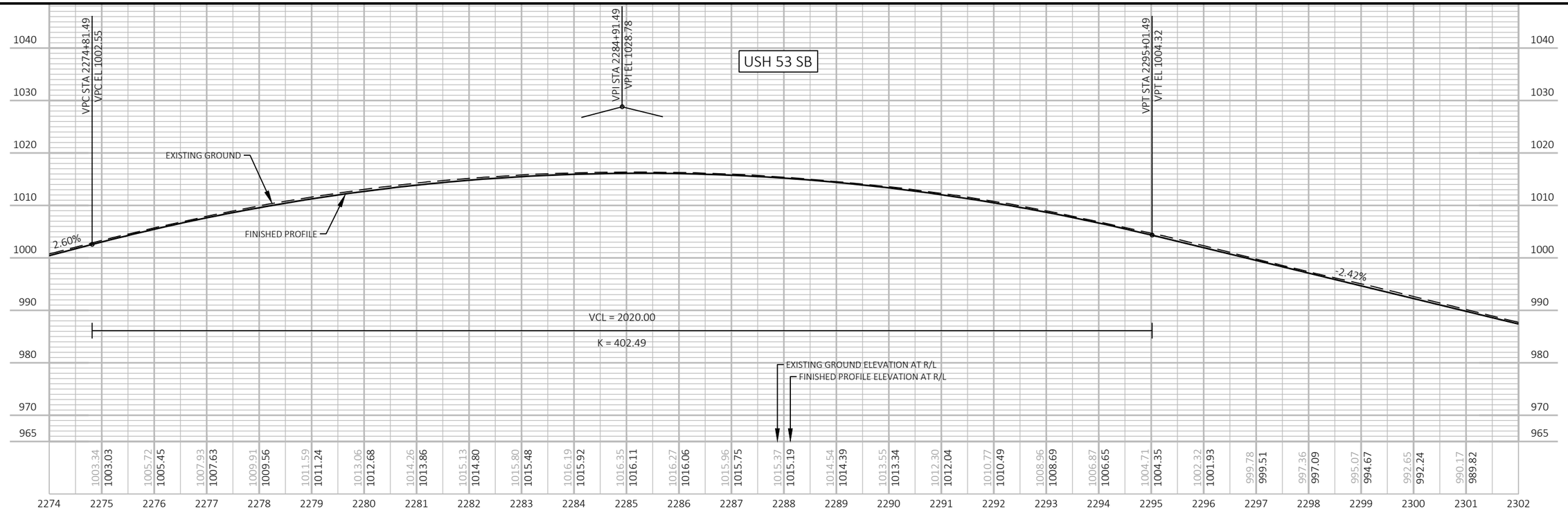
STAGE 3
STA 1348+65, RT
EXISTING 30" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

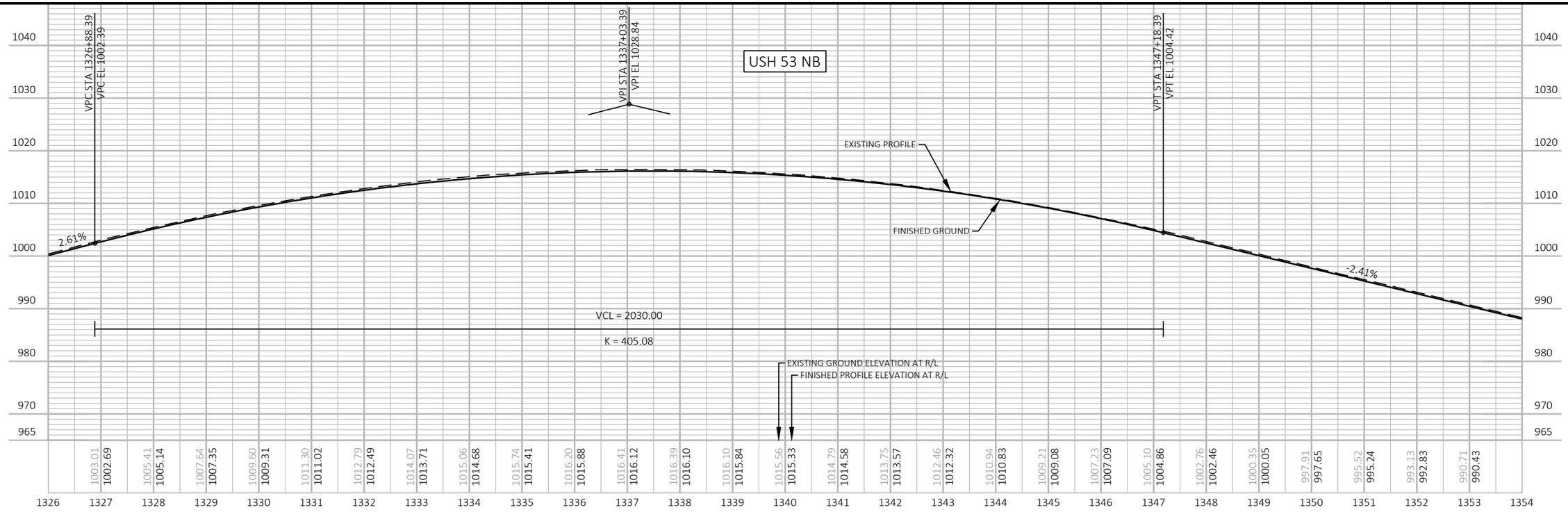
CURVE NO. 7
PI STA = 1365+38.89
Y = 139356.90
X = 163284.16
PC STA = 1347+72.90
Y=137597.40
X=163132.87
PT STA = 1381+98.10
Y=140894.07
X=162414.78
DELTA = 34°24'20"
D = 1°00'16"
T = 1765.99'
L = 3425.20'
R = 5704.00'
EXISTING SE = 3.3%
PROPOSED SE = 3.4%
SE TRANSITION (T) = 243'
RO (RUNOFF) = 153'

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PLAN	SHEET 284	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 17

PLOT DATE : 7/21/2023 10:39 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:200 FT





PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PROFILE	SHEET 285	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 18

PLOT DATE : 7/21/2023 10:39 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:200 FT

LEGEND

DELINEATED WETLAND BOUNDARY

SLOPE INTERCEPT

X CLEARING AND GRUBBING

NOTE

SEE "PLAN: CTH S" FOR CTH S CONSTRUCTION LIMITS

CURVE NO. 6
PI STA = 2313+10.00
Y = 139343.52
X = 163222.79
PC STA = 2295+60.12
Y=137600.07
X=163072.88
PT STA = 2329+54.09
Y=140866.68
X=162361.34
DELTA = 34°24'20"
D = 1°00'49"
T = 1749.89'
L = 3393.97'
R = 5652.00'
EXISTING SE = 3.3%
PROPOSED SE = 3.4%
SE TRANSITION (T) = 243'
RO (RUNOFF) = 153'

PATRICK MCDONALD

MARK J MCDONALD
PETER D MCDONALD

GARY A MCDONALD
MARY K MCDONALD

KOHEL PROPERTIES LLC

KOHEL PROPERTIES LLC

STA 2322+27 - STA 2323+38, LT
REMOVING GUARDRAIL

STA 2322+23 - STA 2323+38, LT
MGS GUARDRAIL 3
MGS THRIE BEAM TRANSITION
MGS GUARDRAIL TERMINAL TYPE 2
(SEE CONSTRUCTION DETAIL FOR STAGING OF TEMPORARY GUARDRAIL REMOVALS AND INSTALLATIONS)

CP/BM #513
Y = 140,313.49
X = 161,899.26
ELEV = 952.03
FENO 1000 W/ ALUMINUM CAP FOUND

RE-ESTABLISH SECTION CORNER MONUMENT (W/CHISELED X) AND LANDMARK REFERENCE MONUMENTS (BY OTHERS)

STAGE 8
STA 2323+29, LT
REMOVING SURFACE DRAINS

STAGE 8
STA 2322+92, LT
CONCRETE SURFACE DRAINS (FLUME TYPE)
(SEE EROSION CONTROL PLANS AND CONSTRUCTION DETAILS FOR RIPRAP)

STA 2316+82, RT
EXISTING INLET TO REMAIN

STAGE 8
STA 2316+80, LT
EXISTING 18" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

ASTREA (COMMUNICATION)

LIVING SNOW FENCE (SEE CONSTRUCTION DETAIL)

STA 2325+17 - STA 2328+64, RT
STA 2325+32 - STA 2328+82, LT
REMOVING GUARDRAIL

STA 2325+17 - STA 2328+72, RT
MGS GUARDRAIL 3
MGS THRIE BEAM TRANSITION
MGS GUARDRAIL TERMINAL EAT

STA 2325+32 - STA 2328+89, LT
MGS GUARDRAIL 3
MGS THRIE BEAM TRANSITION
MGS GUARDRAIL TERMINAL EAT

B-9-56
(TO REMAIN)

END CONSTRUCTION
STA 2323+31
MATCH EXISTING

BEGIN CONSTRUCTION
2325+07
MATCH EXISTING
B-9-69
(TO REMAIN)

END CONSTRUCTION
STA 1375+45
MATCH EXISTING

B-9-57
(TO REMAIN)

BEGIN CONSTRUCTION
1377+21
MATCH EXISTING

STAGE 3
STA 1377+34 - STA 1377+56, LT
ASPHALTIC FLUME (PLACE BETWEEN POST 7 AND POST 8)

STAGE 1
STA 1354+06 LT
1-TEMPORARY INLETS MEDIAN 1 GRATE REQ'D
1-TEMPORARY INLET COVER TYPE MS REQ'D

STA 1354+06 - STA 1356+10 LT
TEMPORARY SSPRC CLASS IV 18-INCH
1-TEMPORARY AEW (10:1) REQ'D

STAGE 4
STA 1354+06 - STA 1356+10, LT
REMOVE TEMPORARY STORM SEWER ITEMS
(INCIDENTAL TO ITEMS)

STAGE 6
STA 1358+12, LT
1-COVER PLATE TEMPORARY

STAGE 9
STA 1358+12, LT
REMOVE TEMPORARY STORM SEWER ITEMS (INCIDENTAL TO ITEMS)

STAGE 3
STA 1358+13, RT
EXISTING 18" SSPRC TO REMAIN
CLEANING CULVERT PIPE REQ'D
MARKERS FOR CULVERT END REQ'D

STAGE 1
STA 1362+49, LT
1-TEMPORARY INLETS MEDIAN 1 GRATE REQ'D
1-TEMPORARY INLET COVER TYPE MS REQ'D

STA 1362+49 - STA 1363+64, LT
TEMPORARY SSPRC CLASS IV 18-INCH
1-TEMPORARY AEW (10:1) REQ'D

STAGE 4
STA 1362+49 - STA 1363+64, LT
REMOVE TEMPORARY STORM SEWER ITEMS
(INCIDENTAL TO ITEMS)

STAGE 6
STA 1358+67, LT
1-TEMPORARY INLETS MEDIAN 1 GRATE REQ'D
1-TEMPORARY INLET COVERS TYPE MS REQ'D

STA 1358+67 - STA 1359+60, LT
TEMPORARY SSPRC CLASS IV 18-INCH
1-TEMPORARY AEW (10:1) REQ'D

STAGE 9
STA 1358+67 - STA 1359+60, LT
REMOVE TEMPORARY STORM SEWER ITEMS
(INCIDENTAL TO ITEMS)

STAGE 3
STA 1362+10, LT&RT
STA 1362+18, LT&RT
EXISTING 42" CPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

CURVE NO. 7
PI STA = 1365+38.89
Y = 139356.90
X = 163284.16
PC STA = 1347+72.90
Y=137597.40
X=163132.87
PT STA = 1381+98.10
Y=140894.07
X=162414.78
DELTA = 34°24'20"
D = 1°00'16"
T = 1765.99'
L = 3425.20'
R = 5704.00'
EXISTING SE = 3.3%
PROPOSED SE = 3.4%
SE TRANSITION (T) = 243'
RO (RUNOFF) = 153'

STAGE 3
STA 1375+31, LT
REMOVING SURFACE DRAINS

STA 1374+94, LT
CONCRETE SURFACE DRAINS (FLUME TYPE)
(SEE EROSION CONTROL PLANS AND CONSTRUCTION DETAILS FOR RIPRAP)

STAGE 3
STA 1374+13, LT&RT
EXISTING 36" CPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

STA 1368+02 - STA 1375+18, RT
STA 1372+55 - STA 1375+39, LT
REMOVING GUARDRAIL

STA 1368+05 - STA 1375+18, RT
MGS GUARDRAIL 3
MGS THRIE BEAM TRANSITION
MGS GUARDRAIL TERMINAL EAT

STA 1371+84 - STA 1375+39, LT
MGS GUARDRAIL 3
MGS THRIE BEAM TRANSITION
MGS GUARDRAIL TERMINAL EAT

XCEL ENERGY (ELECTRIC)

AT&T WISCONSIN (COMMUNICATION)

AT&T WISCONSIN (COMMUNICATION)

CINC (COMMUNICATION)

CP/BM #514
Y = 140,463.80
X = 163,551.22
ELEV = 945.04
FENO 1000 W/ ALUMINUM CAP FOUND

STAGE 3
STA 1377+85, LT&RT
REMOVING INLETS
REMOVING SSPRC CLASS III 21-INCH
SSPRC CLASS III 24-INCH REQ'D
1-INLET MEDIAN 2 GRATE REQ'D
1-AEW REQ'D
MARKERS FOR CULVERT END REQ'D
(SEE PIPE INFORMATION IN THE CROSS SECTION AND STORM SEWER SCHEDULE)

STAGE 3
STA 1377+84, LT&RT
B-9-69
EXISTING TRIPLE BOX CULVERT TO REMAIN
MARKERS FOR CULVERT END REQ'D

STA 1380+14, RT
EXISTING INLET TO REMAIN

STAGE 3
STA 1379+20, RT (OUTSIDE DITCH)
EXISTING 21" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

STA 1377+17 - STA 1380+22, RT
REMOVING GUARDRAIL

STA 1377+17 - STA 1380+20, RT
MGS GUARDRAIL 3
MGS THRIE BEAM TRANSITION
MGS GUARDRAIL TERMINAL EAT

STA 1377+35 - STA 1380+03, LT
MGS GUARDRAIL 3
MGS THRIE BEAM TRANSITION
MGS GUARDRAIL TERMINAL EAT

GARY A MCDONALD
MARY K MCDONALD

UNNAMED CREEK

RHEINGAN CREEK

CTH S

120TH ST

USH 53 SB/CTH S ENTRANCE

USH 53 SB/CTH S EXIT

USH 53 SB

USH 53 NB

USH 53 NB/CTH S EXIT

USH 53 NB/CTH S ENTRANCE

PI: 2329+54.09

PI: 1381+98.10

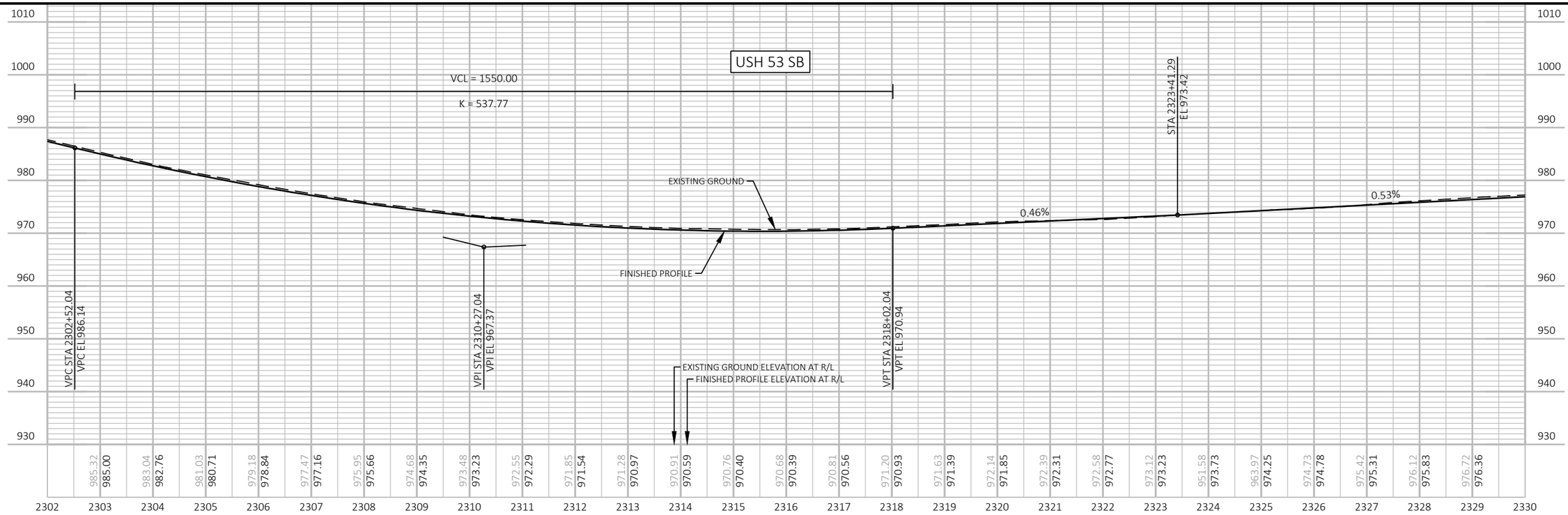
N29° 29' 28"W

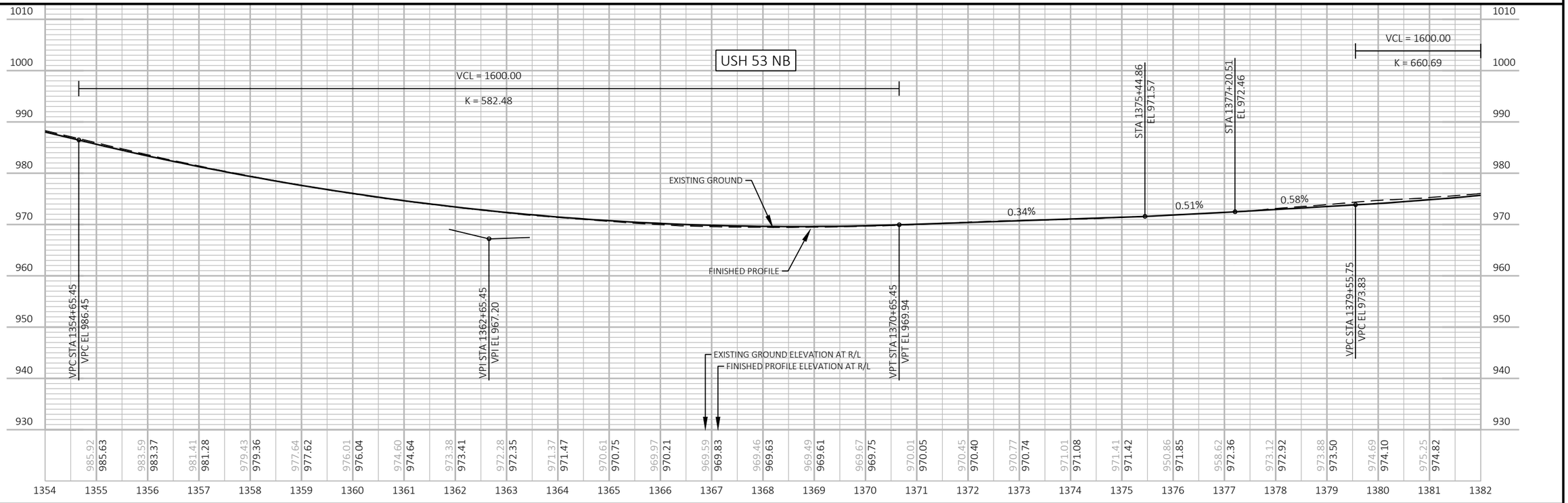
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PLAN	SHEET 286	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 19

PLOT DATE : 7/21/2023 10:40 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PROFILE	SHEET 287	E

LEGEND
DELINEATED WETLAND BOUNDARY
SLOPE INTERCEPT
X CLEARING AND GRUBBING

CTH S
R/W
RHEINGAN CREEK

STA 2332+66, RT
EXISTING INLET TO REMAIN

STAGE 8
STA 2332+67, LT
EXISTING 18" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

CURVE NO. 6
PI STA = 2313+10.00
Y = 139343.52
X = 163222.79
PC STA = 2295+60.12
Y=137600.07
X=163072.88
PT STA = 2329+54.09
Y=140866.68
X=162361.34
DELTA = 34°24'20"
D = 1°00'49"
T = 1749.89'
L = 3393.97'
R = 5652.00'
EXISTING SE = 3.3%
PROPOSED SE = 3.4%
SE TRANSITION (T) = 243'
RO (RUNOFF) = 153'

GARY J & JEANNE M BOWE

STAGE 6
STA 2340+35, RT
1-TEMPORARY INLETS MEDIAN 1 GRATE REQ'D
1-TEMPORARY INLET COVER TYPE MS REQ'D

STA 2339+50 - STA 2340+35, RT
TEMPORARY SSPRC CLASS IV 18-INCH
1-TEMPORARY AEW (10:1) REQ'D

STAGE 9
STA 2339+50 - STA 2340+35, RT
REMOVE TEMPORARY STORM SEWER ITEMS
(INCIDENTAL TO ITEMS)

GARY J & JEANNE M BOWE

STAGE 6
STA 2347+65, RT
1-TEMPORARY INLETS MEDIAN 1 GRATE REQ'D
1-TEMPORARY INLET COVER TYPE MS REQ'D

STA 2345+78 - STA 2347+65, RT
TEMPORARY SSPRC CLASS IV 18-INCH
1-TEMPORARY AEW (10:1) REQ'D

STAGE 9
STA 2345+78 - STA 2347+65, RT
REMOVE TEMPORARY STORM SEWER ITEMS
(INCIDENTAL TO ITEMS)

GARY J & JEANNE M BOWE

ASTREA
(COMMUNICATION)

STA 2356+66, RT
EXISTING INLET TO REMAIN

STAGE 8
STA 2356+65, LT
EXISTING 18" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

R/W

PT: 2329+54.09
USH 53 SB/CTH S EXIT

CURVE 6
2330 2335 2340 USH 53 SB 2345 2350 2355
N29° 29' 28"W

1385 1390 1405 1410

CURVE 7
N29° 29' 28"W
1395 USH 53 NB 1400

PT: 1381+98.10
USH 53 NB/CTH S ENTRANCE

R/W

GARY J & JEANNE M BOWE

STAGE 1
STA 1395+09, LT
1-TEMPORARY INLETS MEDIAN 1 GRATE REQ'D
1-TEMPORARY INLET COVER TYPE MS REQ'D

STA 1393+96 - STA 1395+09, LT
TEMPORARY SSPRC CLASS IV 18-INCH
1-TEMPORARY AEW (10:1) REQ'D

STAGE 4
STA 1393+96 - STA 1395+09
REMOVE TEMPORARY STORM SEWER ITEMS
(INCIDENTAL TO ITEMS)

CURVE NO. 7
PI STA = 1365+38.89
Y = 139356.90
X = 163284.16
PC STA = 1347+72.90
Y=137597.40
X=163132.87
PT STA = 1381+98.10
Y=140894.07
X=162414.78
DELTA = 34°24'20"
D = 1°00'16"
T = 1765.99'
L = 3425.20'
R = 5704.00'
EXISTING SE = 3.3%
PROPOSED SE = 3.4%
SE TRANSITION (T) = 243'
RO (RUNOFF) = 153'

GARY A MCDONALD
MARY K MCDONALD

STAGE 1
STA 1397+14, LT
1-COVER PLATE TEMPORARY REQ'D

STAGE 4
STA 1397+14, LT
REMOVE TEMPORARY STORM SEWER ITEMS
(INCIDENTAL TO ITEMS)

STAGE 3
STA 1397+13, RT
EXISTING 18" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

GARY J & JEANNE M BOWE

STAGE 1
STA 1401+82, LT
1-TEMPORARY INLETS MEDIAN 1 GRATE REQ'D
1-TEMPORARY INLET COVER TYPE MS REQ'D

STA 1400+09 - STA 1401+82
TEMPORARY SSPRC CLASS IV 18-INCH
1-TEMPORARY AEW (10:1) REQ'D

STAGE 4
STA 1400+09 - STA 1401+82
REMOVE TEMPORARY STORM SEWER ITEMS
(INCIDENTAL TO ITEMS)

STAGE 3
STA 1405+36, LT&RT
EXISTING 36" CPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

STA 1407+19, RT
EXISTING INLET TO REMAIN

STAGE 3
STA 1406+51, RT (OUTSIDE DITCH)
EXISTING 24" CPCM TO REMAIN
MARKERS FOR CULVERT END REQ'D

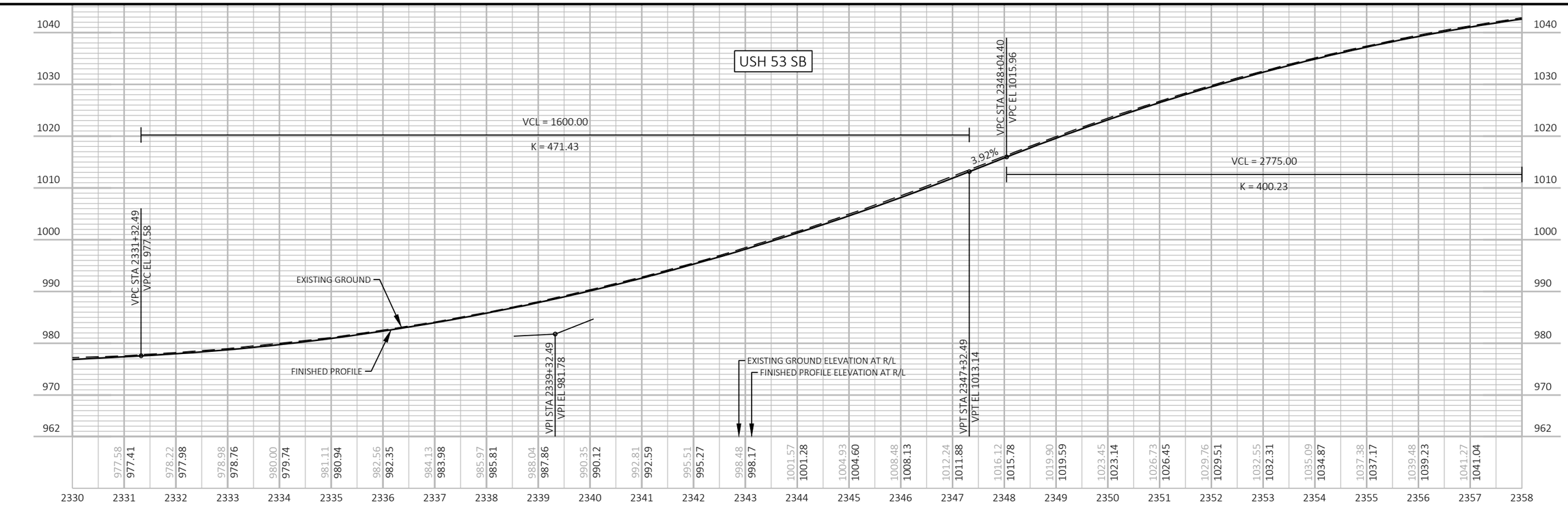
R/W

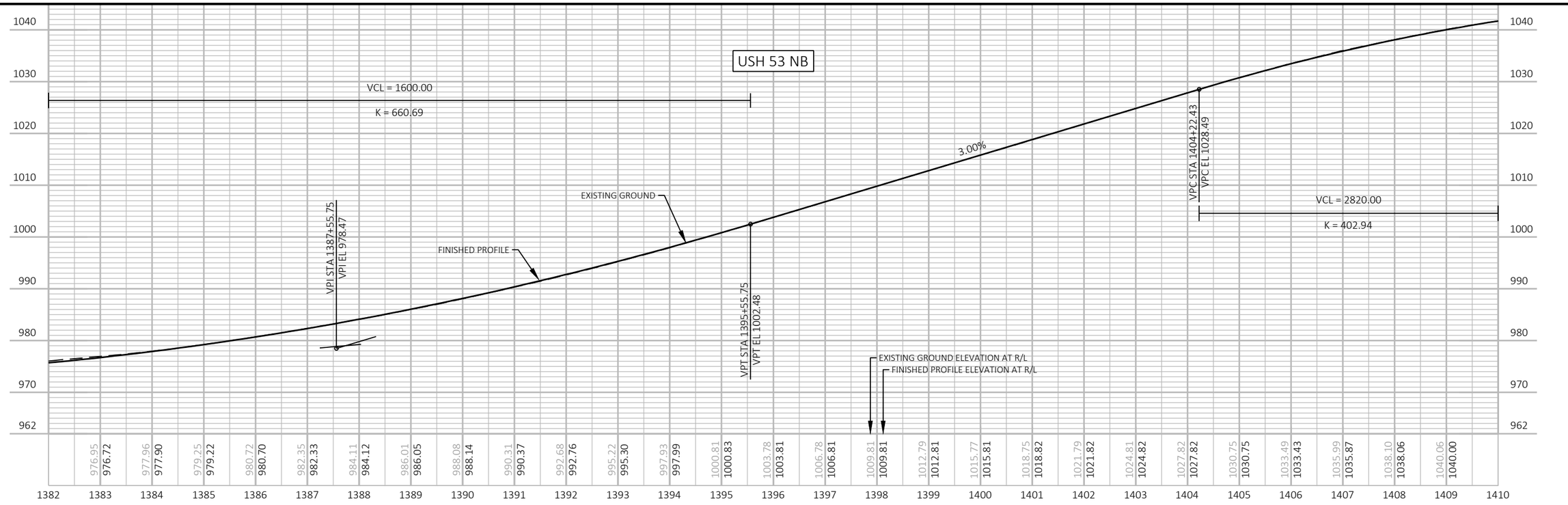
STAGE 3
STA 1409+56, RT (CUT SLOPE)
EXISTING 18" CPCM TO REMAIN
MARKERS FOR CULVERT END REQ'D

STEVEN & KAREN ROONEY

5 5

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PLAN	SHEET 288	E





PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PROFILE	SHEET 289	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 22

PLOT DATE : 7/21/2023 10:42 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:200 FT

LEGEND
DELINEATED WETLAND BOUNDARY
SLOPE INTERCEPT
X CLEARING AND GRUBBING

GARY J & JEANNE M BOWE

MITCHELL W STEINMETZ

STA 2376+65, RT
EXISTING INLET TO REMAIN

STAGE 8
STA 2376+62, LT
EXISTING 21" CPCM TO REMAIN
MARKERS FOR CULVERT END REQ'D

MITCHELL W STEINMETZ

ASTREA
(COMMUNICATION)

R/W

FO

LIVING SNOW FENCE (SEE CONSTRUCTION DETAIL)

R/W

5

2360 2365 2370 USH 53 SB 2375 2380 2385

1410 1415 1420 1425 1430 1435

USH 53 NB

X X X X X X X

R/W

CP/BM #515
Y = 145,631.77
X = 159,808.94
ELEV = 995.29
FENO 1000 W/ ALUMINUM CAP SET

R/W

STEVEN M & KRYSTLE M MAYER

STAGE 3
STA 1422+65, LT&RT
EXISTING 24" CPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

STEVEN & KAREN ROONEY

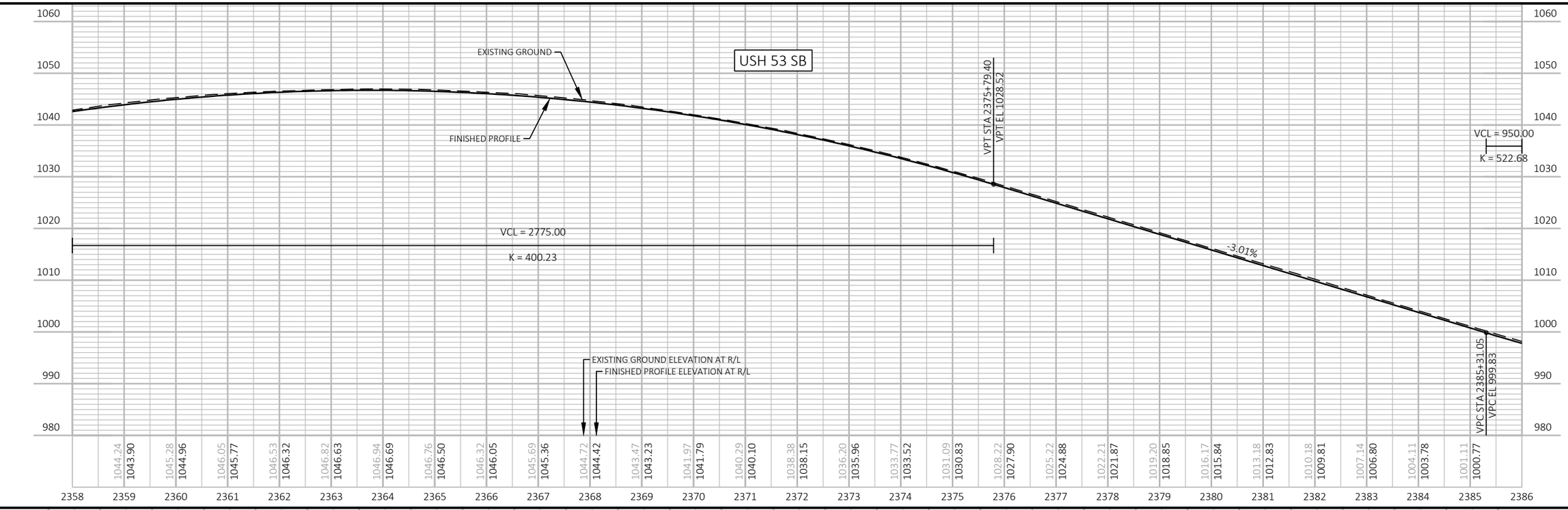
STEVEN M & KRYSTLE M MAYER

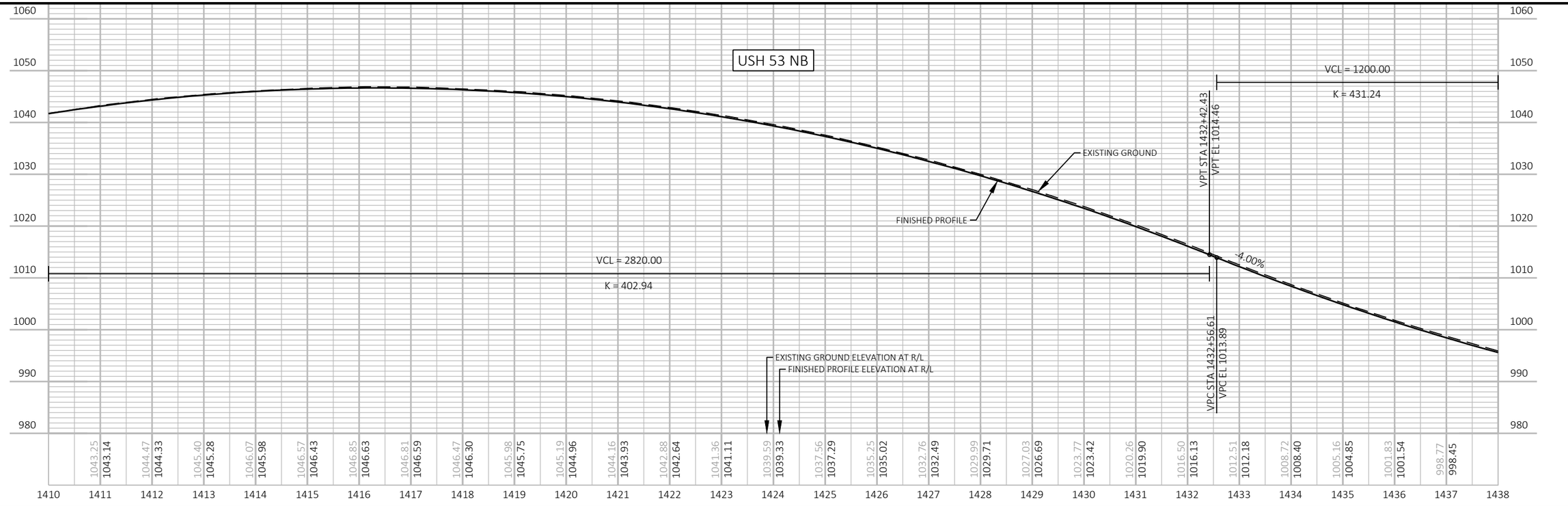
JAMES & LYNN STOFFEL

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PLAN	SHEET 290	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 23

PLOT DATE : 7/21/2023 10:43 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:200 FT





5

5

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PROFILE	SHEET 291	E

LEGEND

DELINEATED WETLAND BOUNDARY

SLOPE INTERCEPT

X CLEARING AND GRUBBING

N

ROONEY FARM PROPERTIES LLC

CURVE NO. 8
PI STA = 2409+45.21
Y = 147822.41
X = 158427.40
PC STA = 2397+39.50
Y=146772.92
X=159020.96
PT STA = 2420+77.51
Y=149023.47
X=158533.26
DELTA = 34°31'40"
D = 1°28'36"
T = 1205.71'
L = 2338.01'
R = 3879.72'
EXISTING SE = 4.5%
PROPOSED SE = 4.6%
SE TRANSITION (T) = 297'
RO (RUNOFF) = 207'

STATION & OFFSET TABLE (FACE OF BULLNOSE RAIL)		
STATION	OFFSET	REMARKS
1464+66.36	25.86', LT	POST 1, 70' TO HAZARD
1464+78.55	23.33', LT	POST 5
1465+37.73 - 1465+56.49	LT	FACE OF RAIL TO HAZARD = 5' MIN
2413+15.70 - 2413+34.69	RT	FACE OF RAIL TO HAZARD = 5' MIN
2413+94.11	22.08', RT	POST 5
2414+06.55	24.13', RT	POST 1, 70' TO HAZARD

STA 2412+08 - STA 2414+42, RT
REMOVING GUARDRAIL

STA 2412+40 - STA 2414+10, RT
STEEL THRIE BEAM
STEEL THRIE BEAM BULLNOSE TERMINAL

STAGE 8
STA 2412+07, LT
EXISTING 30" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

STA 2387+66, RT
EXISTING INLET TO REMAIN

STAGE 8
STA 2387+65, LT
EXISTING 18" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

ROONEY FARM PROPERTIES LLC

ROONEY FARM PROPERTIES LLC

ASTREA (COMMUNICATION)

XCEL ENERGY (ELECTRIC)

B-9-58 (TO REMAIN)

LIVING SNOW FENCE (SEE CONSTRUCTION DETAIL)

PC: 2397+39.50

USH 53 SB

USH 53 NB

CURVE 8

CURVE 9

N29° 29' 28"W

2385 2390 2395 2400 2405 2410 2415

1440 1445 1450 1455 1460 1465

R/W

100TH AVE

ROONEY FARM PROPERTIES II LLC

ROONEY FARM PROPERTIES II LLC

PC: 1449+85.19

STA 1449+11, LT
EXISTING INLET TO REMAIN

STAGE 3
STA 1449+11, RT
EXISTING 18" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

STA 1456+10, LT
EXISTING INLET TO REMAIN

STAGE 3
STA 1456+12, RT
EXISTING 18" SSPRC TO REMAIN
CLEANING CULVERT PIPE REQ'D
MARKERS FOR CULVERT END REQ'D

CURVE NO. 9
PI STA = 1461+73.05
Y = 147835.73
X = 158488.81
PC STA = 1449+85.19
Y=146801.77
X=159073.58
PT STA = 1472+88.58
Y=149019.01
X=158593.09
DELTA = 34°31'40"
D = 1°29'56"
T = 1187.87'
L = 2303.40'
R = 3822.28'
EXISTING SE = 4.6%
PROPOSED SE = 4.6%
SE TRANSITION (T) = 297'
RO (RUNOFF) = 207'

STA 1462+33, LT
EXISTING INLET TO REMAIN

STA 1463+23, LT (IN DITCH)
EXISTING 18" SSPRC TO REMAIN

STA 1464+15, LT
EXISTING INLET TO REMAIN

STAGE 3
STA 1464+04, RT
EXISTING 30" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

JAMES & LYNN STOFFEL

5

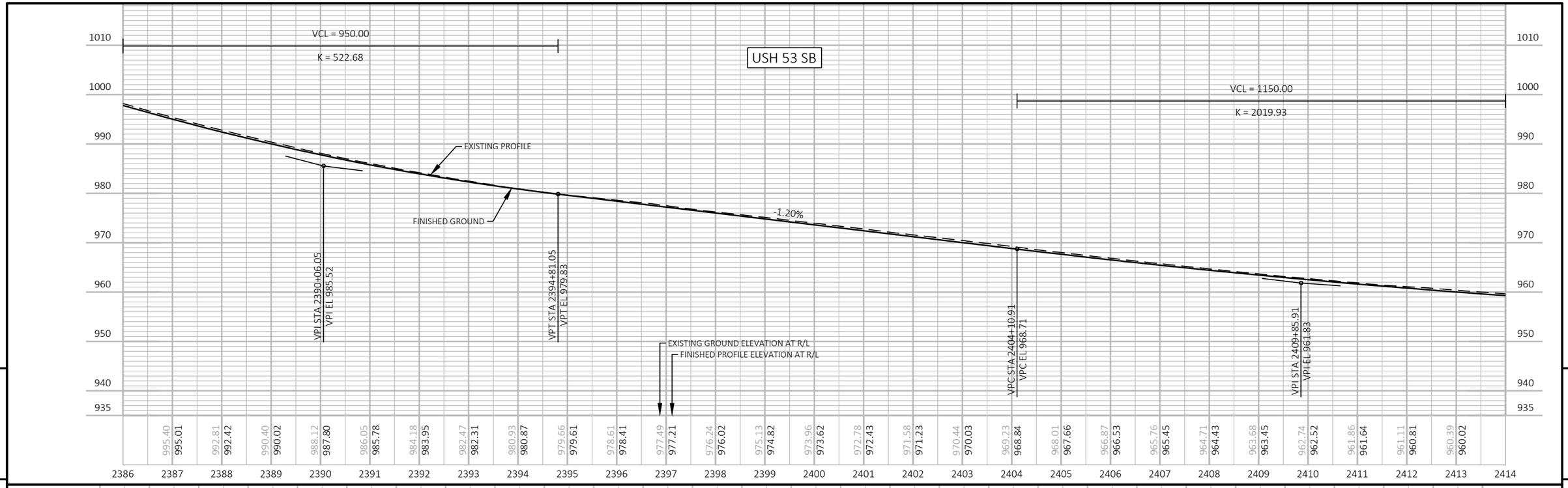
5

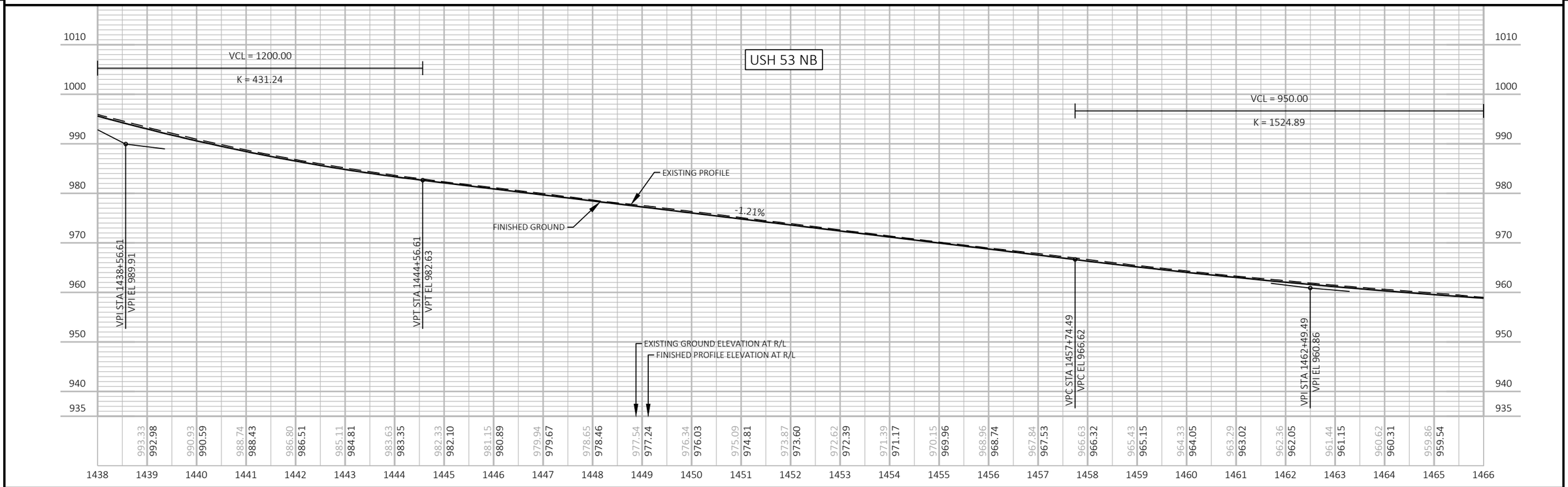
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PLAN	SHEET 292	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 25

PLOT DATE : 7/21/2023 10:44 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PROFILE	SHEET 293	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 26
PLOT DATE : 7/21/2023 10:44 AM
PLOT BY : AUSTIN STRAHL
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44

LEGEND
DELINEATED WETLAND BOUNDARY
SLOPE INTERCEPT
X CLEARING AND GRUBBING

N

R/W

CURVE NO. 8
PI STA = 2409+45.21
Y = 147822.41
X = 158427.40
PC STA = 2397+39.50
Y=146772.92
x=159020.96
PT STA = 2420+77.51
Y=149023.47
X=158533.26
DELTA = 34°31'40"
D = 1°28'36"
T = 1205.71'
L = 2338.01'
R = 3879.72'
EXISTING SE = 4.5%
PROPOSED SE = 4.6%
SE TRANSITION (T) = 297'
RO (RUNOFF) = 207'

DARRYL E CUSTER
DOUGLAS D CUSTER

RHONDA BLESKEY ETAL

STAGE 1
STA 2434+00, RT
RECONSTRUCTING INLET

STAGE 8
STA 2434+00, LT
EXISTING 24" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

RICHARD A GEISSLER
LARRY H & JULIE A GEISSLER

STAGE 8
STA 2441+01, LT
EXISTING 18" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

TILDEN CREEK

ASTREA
(COMMUNICATION)

100TH AVE

PT: 2420+77.51

LIVING SNOW FENCE
(SEE CONSTRUCTION DETAIL)

B-9-58
(TO REMAIN)

CURVE 8
N5° 02' 12"E
2415 2420 2425 2430 2435 2440
USH 53 SB

CURVE 9
N5° 02' 12"E
1470 1475 1480 1485 1490 1495
USH 53 NB

1465

X

SEE CONSTRUCTION DETAILS FOR SEDIMENT
CLEANING AT B-9-70 AND RIPRAP PLACEMENT

PERM EASE

STA 1477+16, LT
EXISTING INLET TO REMAIN

STAGE 3
STA 1477+41, RT
B-9-70
EXISTING TRIPLE BOX CULVERT TO REMAIN
CLEANING BOX CULVERT B-9-70 REQ'D
MARKERS FOR CULVERT END REQ'D

STEVEN M & KRYSTLE M MAYER

STA 1483+14, LT
EXISTING INLET TO REMAIN

STAGE 3
STA 1483+15, RT
EXISTING 18" SSPRC TO REMAIN
CLEANING CULVERT PIPES REQ'D
MARKERS FOR CULVERT END REQ'D

STAGE 3
STA 1488+50, LT&RT
C-9-11
EXISTING TWIN BOX CULVERT TO REMAIN
MARKERS FOR CULVERT END REQ'D

BRYAN E & CINDY L NAYES

UNNAMED CREEK

STA 1465+31, RT
STA 1465+77, RT
EXISTING 21" CPCM TO REMAIN

CURVE NO. 9
PI STA = 1461+73.05
Y = 147835.73
X = 158488.81
PC STA = 1449+85.19
Y=146801.77
X=159073.58
PT STA = 1472+88.58
Y=149019.01
X=158593.09
DELTA = 34°31'40"
D = 1°29'56"
T = 1187.87'
L = 2303.40'
R = 3822.28'
EXISTING SE = 4.6%
PROPOSED SE = 4.6%
SE TRANSITION (T) = 297'
RO (RUNOFF) = 207'

STEVEN M & KRYSTLE M MAYER

STAGE 1
STA 1491+74, LT
1-TEMPORARY INLETS MEDIAN 1 GRATE REQ'D
1-TEMPORARY INLET COVER TYPE MS REQ'D

STA 1491+74 - STA 1493+11, LT
TEMPORARY STORM SEWER CLASS III A 18-INCH
TIE TO EXISTING INLET AT STA 2441+01, RT

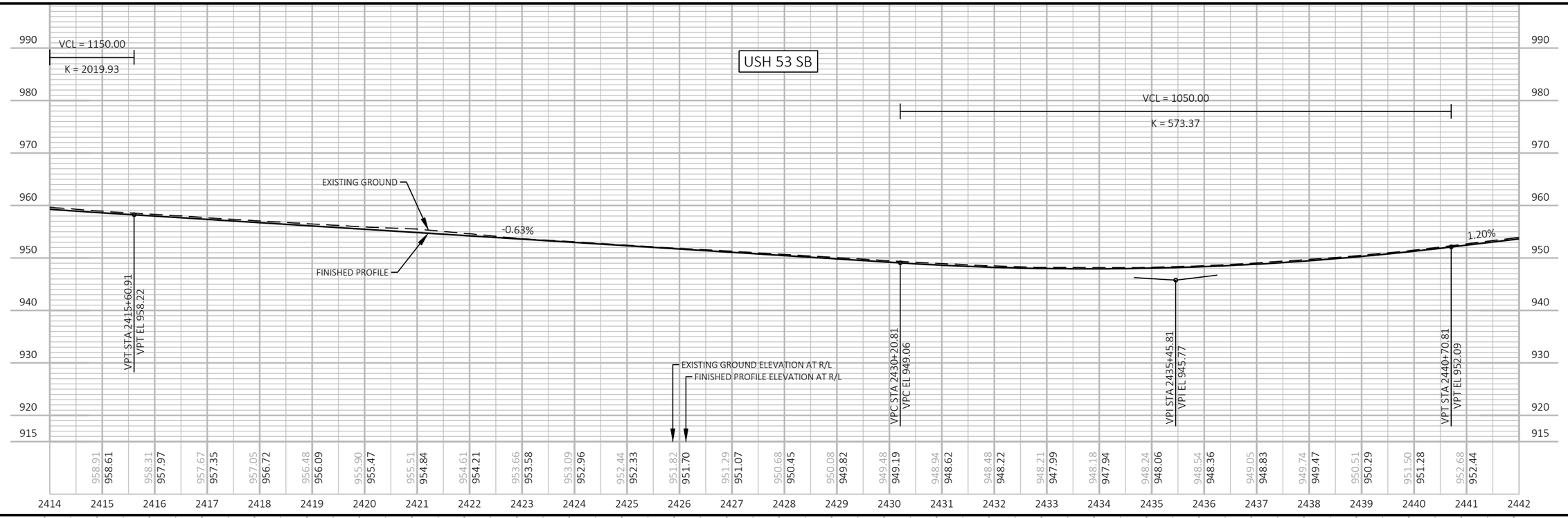
STA 2441+01, RT
1-COVER PLATE TEMPORARY REQ'D

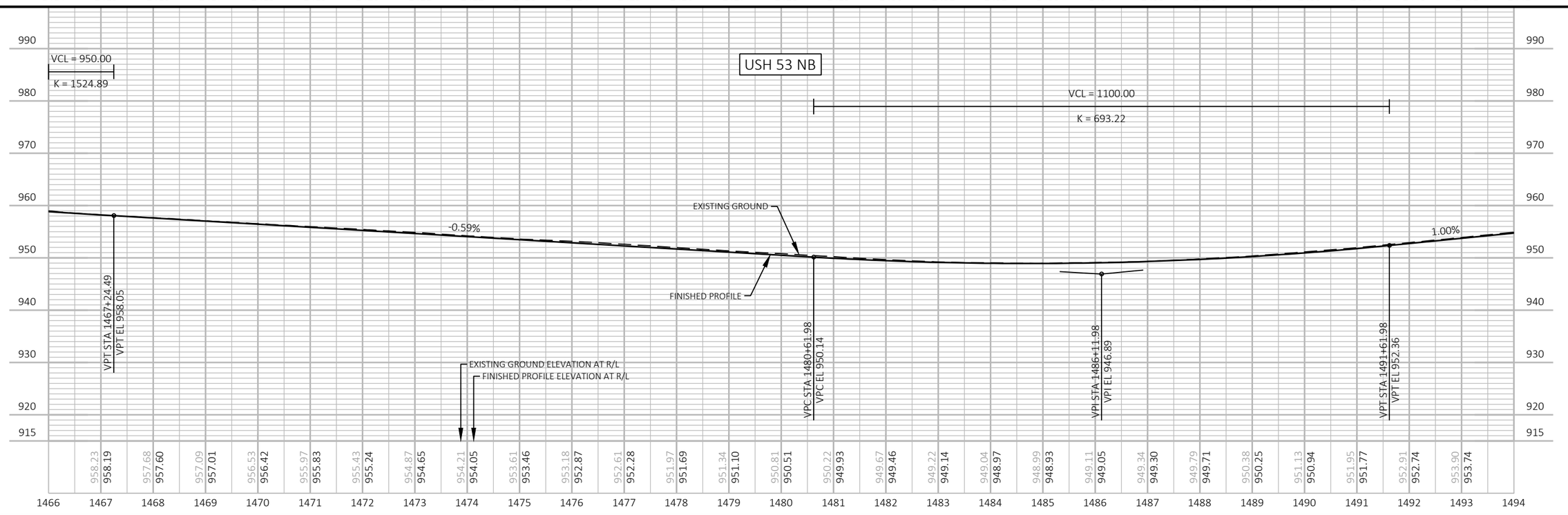
STAGE 4
STA 1491+74 - STA 1493+11, LT
REMOVE TEMPORARY STORM SEWER ITEMS (INCIDENTAL TO ITEMS)

STAGE 4
STA 2441+01, RT
REMOVE TEMPORARY STORM SEWER ITEMS (INCIDENTAL TO ITEMS)
REMOVING INLETS
1-INLETS MEDIAN 1 GRATE REQ'D
1-INLET COVERS TYPE MS REQ'D
REMOVING STORM SEWER 18-INCH
SSPRC CLASS III 18-INCH CONNECTION
1-CONCRETE COLLAR REQ'D

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PLAN	SHEET 294	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 27
PLOT DATE : 7/21/2023 10:45 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:200 FT



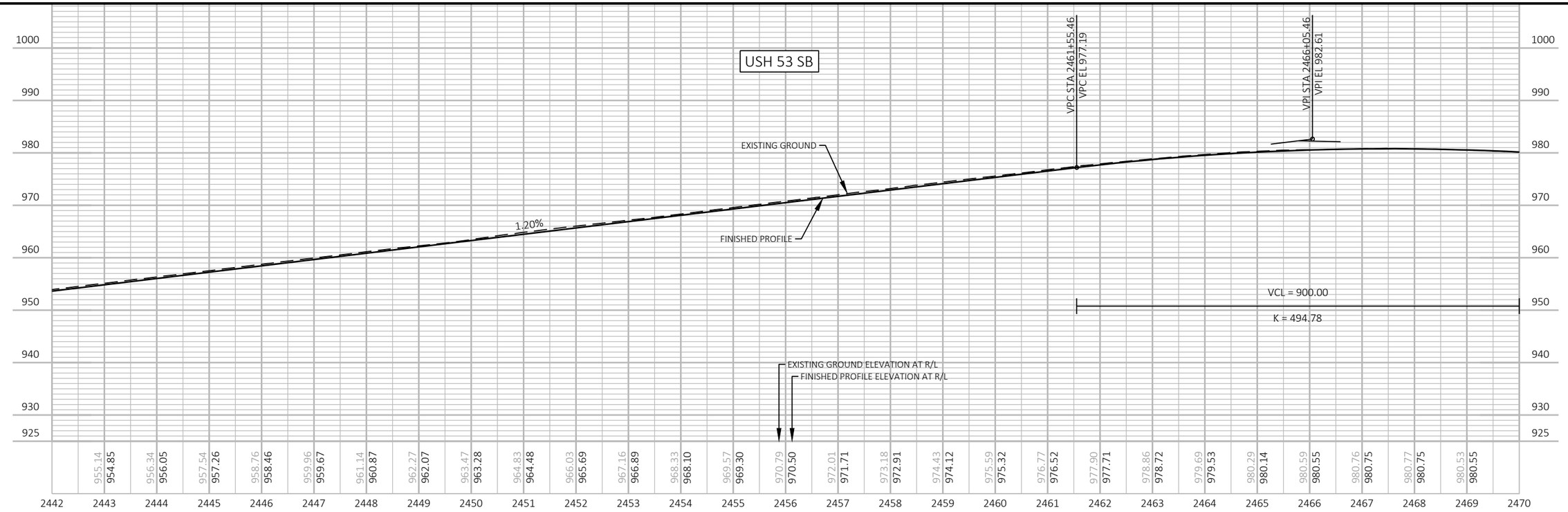


PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PROFILE	SHEET 295	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 28

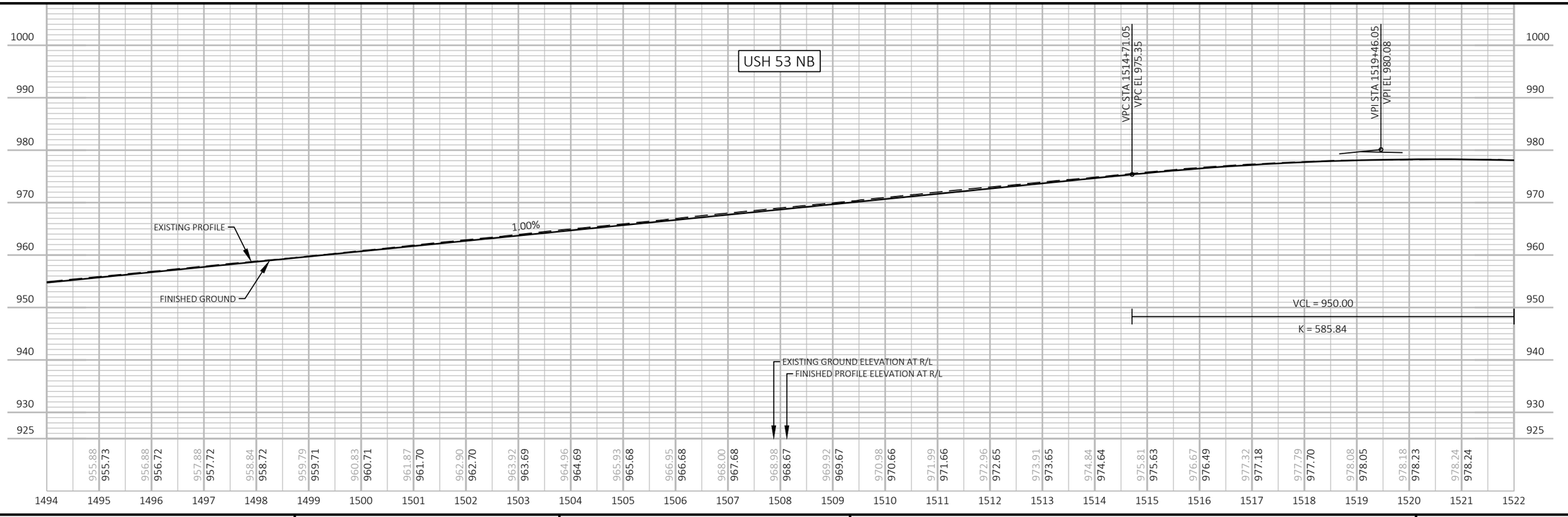
PLOT DATE : 7/21/2023 10:45 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44



5

5



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PROFILE	SHEET 296	E

LEGEND

DELINEATED WETLAND BOUNDARY

SLOPE INTERCEPT

X CLEARING AND GRUBBING

NOTE

SEE "PLAN: CTH B" FOR CTH B CONSTRUCTION LIMITS

CURVE NO. 10
PI STA = 2458+13.62
Y = 152745.17
X = 158861.26
PC STA = 2450+91.16
Y=152025.49
X=158797.83
PT STA = 2465+34.16
Y=153467.09
X=158833.32
DELTA = 7°15'11"
D = 0°30'09"
T = 722.46'
L = 1442.99'
R = 11399.16'
EXISTING SE = RC
PROPOSED SE = RC
SE TRANSITION (T) = 180'
RO (RUNOFF) = 90'

STA 2451+29, RT
STA 2451+09, LT
EXISTING INLET TO REMAIN

STA 2451+19, LT&RT
EXISTING 18" SSPRC TO REMAIN

STAGE 8
STA 2450+96, LT
EXISTING 24" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

STA 2457+13 - STA 2459+68, RT
REMOVING GUARDRAIL

STA 2457+43 - STA 2459+37, RT
STEEL THRIE BEAM
STEEL THRIE BEAM BULLNOSE TERMINAL

BRIGHTSPEED OF NORTHERN WISCONSIN (COMMUNICATION)

ASTREA (COMMUNICATION)

B-9-59 (TO REMAIN)

LIVING SNOW FENCE (SEE CONSTRUCTION DETAIL)

STAGE 1
STA 1497+63, LT
1-TEMPORARY INLETS MEDIAN 1 GRATE REQ'D
1-TEMPORARY INLET COVER TYPE MS REQ'D

STA 1495+57- STA 1497+63, LT
TEMPORARY SSPRC CLASS IV 18-INCH
1-TEMPORARY AEW (10:1) REQ'D

STAGE 4
STA 1495+57 - STA 1497+63, LT
REMOVE TEMPORARY STORM SEWER ITEMS (INCIDENTAL TO ITEMS)

CURVE NO. 11
PI STA = 1510+27.70
Y = 152743.68
X = 158921.36
PC STA = 1503+01.43
Y=152020.22
X=158857.60
PT STA = 1517+52.03
Y=153469.41
X=158893.28
DELTA = 7°15'11"
D = 0°30'00"
T = 726.27'
L = 1450.60'
R = 11459.16'
EXISTING SE = RC
PROPOSED SE = RC
SE TRANSITION (T) = 180'
RO (RUNOFF) = 90'

CP/BM #506
Y = 152,732.87
X = 159,317.84
ELEV = 972.14
FENO 1000 W/ ALUMINUM CAP SET

STA 1512+11, LT
STA 1513+87, LT
EXISTING INLET TO REMAIN

STAGE 3
STA 1512+99, LT (IN DITCH)
STA 1512+11, RT
EXISTING 18" SSPRC TO REMAIN
CLEANING CULVERT PIPES REQ'D
MARKERS FOR CULVERT END REQ'D

STAGE 3
STA 1519+34, LT&RT
EXISTING 24" CPRC TO REMAIN
CLEANING CULVERT PIPES REQ'D
MARKERS FOR CULVERT END REQ'D

STATION & OFFSET TABLE (FACE OF BULLNOSE RAIL)		
STATION	OFFSET	REMARKS
1509+60.61	24.82', LT	POST 1, 71' TO HAZARD
1509+72.95	22.53', LT	POST 5
1510+33.15 - 1510+76.63	LT	FACE OF RAIL TO HAZARD = 5' MIN
2458+19.13 - 2458+62.43	RT	FACE OF RAIL TO HAZARD = 5' MIN
2459+21.33	23.98', RT	POST 5
2459+33.59	26.46', RT	POST 1, 70' TO HAZARD

RICHARD A GEISSLER
LARRY H & JULIE A GEISSLER

FRANCIS & KATHLEEN STOFFEL

JAMES & LYNN STOFFEL

BRYAN E & CINDY L NAYES

CRAIG M & CAROL A BOWE

QP INVESTORS LLC

CTH B

USH 53 SB/CTH B ENTRANCE

USH 53 SB/CTH B EXIT

USH 53 NB/CTH B ENTRANCE

USH 53 NB/CTH B EXIT

USH 53 SB

USH 53 NB

CURVE 10

CURVE 11

PC: 2450+91.16

PT: 2465+34.16

PC: 1503+01.43

PT: 1517+52.03

N5° 02' 12"E

N2° 12' 59"W

R/W

FO

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PLAN	SHEET 297	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 29

PLOT DATE : 7/21/2023 10:47 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

LEGEND
DELINEATED WETLAND BOUNDARY
SLOPE INTERCEPT
X CLEARING AND GRUBBING

N

5

5

FRANCIS & KATHLEEN STOFFEL

FRANCIS & KATHLEEN STOFFEL

GARY MEINEN ETAL

ROGER A & JULIE A BIESTERVELD

JAMES & LYNN STOFFEL

ST PETER PARISH

ST PETER PARISH

R/W

R/W

R/W

R/W

BRIGHTSPEED OF NORTHERN WISCONSIN
(COMMUNICATION)

ASTREA
(COMMUNICATION)

LIVING SNOW FENCE (SEE CONSTRUCTION DETAIL)

STA 2470+75 - STA 2470+95
TRANSITION HMA SHOULDER FROM 4' TO 6'
(SEE TYPICAL SECTIONS FPR ADDITIONAL INFORMATION)

XCEL ENERGY
(ELECTRIC)
CHARTER COMMUNICATION
(COMMUNICATION)

XCEL ENERGY
(ELECTRIC)

END CONSTRUCTION
STA 2485+85
MATCH EXISTING
SAWCUT REQ'D

MILL & OVERLAY OUTSIDE SHOULDER
(SEE TYPICAL SECTION)

111TH ST

END SHOULDER REPLACEMENT
STA 2488+80

BEGIN SHOULDER REPLACEMENT
STA 2495+40

2470 2475 2480 USH 53 SB 2485 2490 2495

1525 1530 1535 USH 53 NB 1540 1545 1550

1525'BB' 1530'BB'

END PROJECT
STA 1538+00
MATCH EXISTING
SAWCUT REQ'D

XCEL ENERGY
(ELECTRIC)

BEGIN SHOULDER REPLACEMENT
STA 1547+48

R/W

R/W

STA 1528+10, LT
EXISTING INLET TO REMAIN

STAGE 3
STA 1528+11, RT
EXISTING 18" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

PATRICK L & GAIL E BOWE

STA 1535+11, LT
EXISTING INLET TO REMAIN

STAGE 3
STA 1535+11, RT
EXISTING 18" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

STA 1546+11, LT
EXISTING INLET TO REMAIN

STA 1546+11, RT
EXISTING 18" SSPRC TO REMAIN

JAMES & LYNN STOFFEL

ST PETER PARISH

ST PETER PARISH

GARY MEINEN ETAL

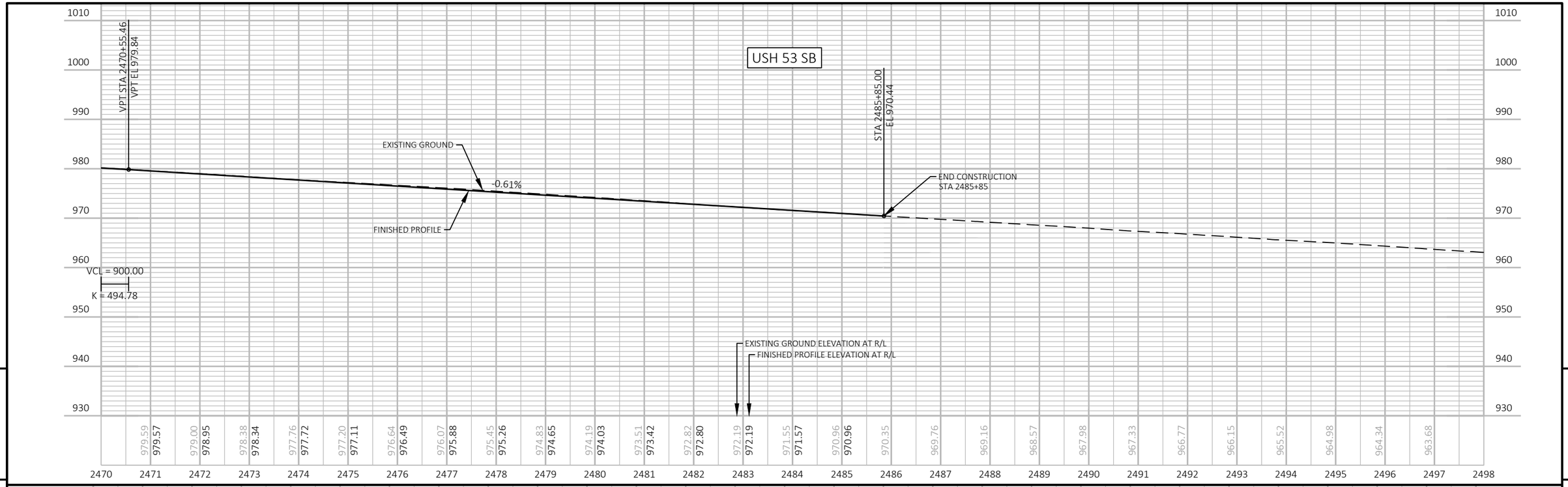
ROONEY FARM PROPERTIES II LLC

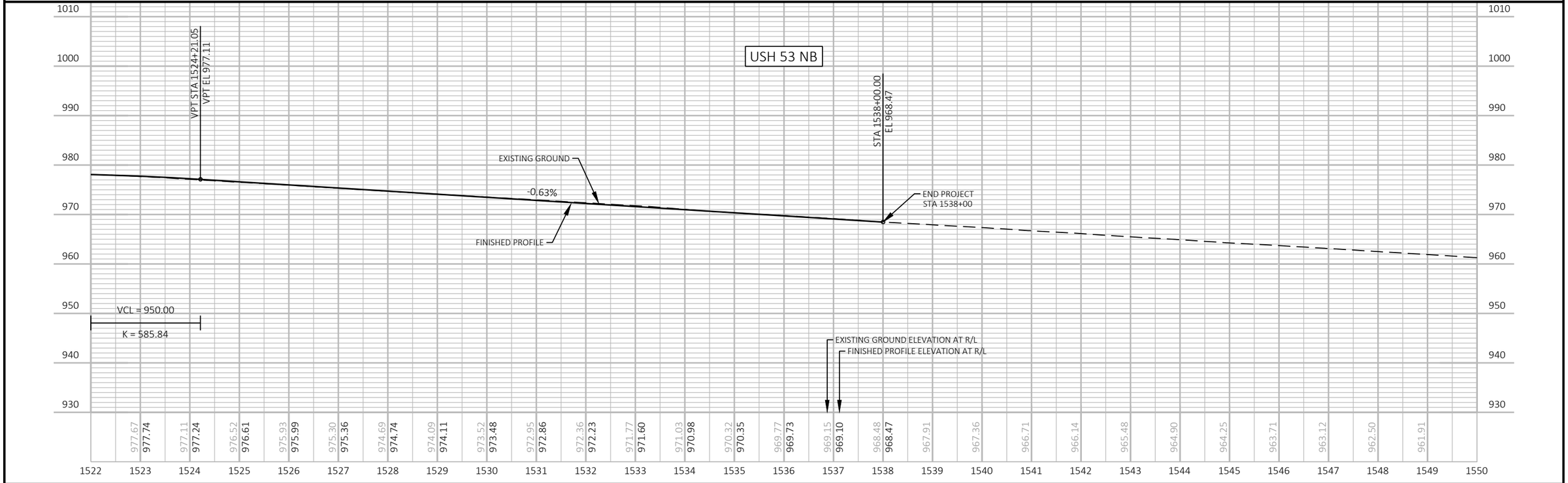
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PLAN	SHEET 298	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 31

PLOT DATE : 7/21/2023 10:48 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PROFILE	SHEET 299	E

LEGEND

DELINEATED WETLAND BOUNDARY

SLOPE INTERCEPT

X CLEARING AND GRUBBING

N

ROGER A & JULIE A BIESTERVELD

STA 2500+94, RT
EXISTING INLET TO REMAIN

STA 2500+94, LT
EXISTING 18" SSPRC TO REMAIN

STA 2507+93, RT
EXISTING 18" SSPRC TO REMAIN

STA 2514+84, RT
EXISTING INLET TO REMAIN

STA 2514+83, LT
EXISTING 18" SSPRC TO REMAIN

R/W

R/W

ASTREA
(COMMUNICATION)

111TH ST

MILL & OVERLAY OUTSIDE SHOULDER
(SEE TYPICAL SECTION)

B-9-60
(TO REMAIN)

CTH Q

END MILL & OVERLAY OUTSIDE SHOULDER
STA 2524+82
(SEE TYPICAL SECTIONS)

END SHOULDER REPLACEMENT
STA 2517+16

STA 2528+00
Y = 159728.244
X = 158591.009

5

5

2500 2505 2510 USH 53 SB 2515 N2° 12' 59"W 2520 2525

1550 1555 1560 USH 53 NB 1565 1570 N2° 12' 59"W 1575 1580

R/W

R/W

CP/BM #507
Y = 158,448.74
X = 158,791.02
ELEV = 962.28
FENO 1000 W/ ALUMINUM CAP SET

CTH Q

END SHOULDER REPLACEMENT
STA 1571+32

STA 1580+00
Y = 159712.765
X = 158651.724

DUNCAN CREEK

ROONEY FARM PROPERTIES II LLC

STAGE 1
STA 2503+99 - STA 2507+95, RT
1-COVER PLATE TEMPORARY
TEMPORARY STORM SEWER CLASS III A 18-INCH REQ'D
1-TEMPORARY AEW (10:1) REQ'D
TIE TO EXISTING INLET AT STA 2507+95, RT

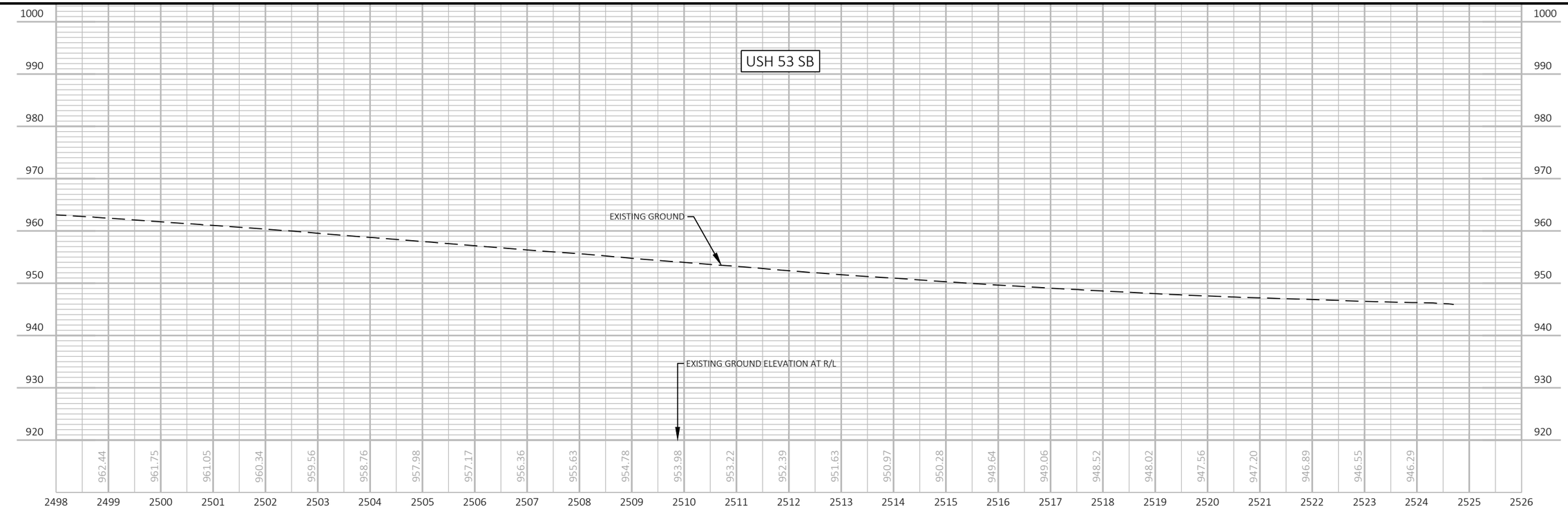
STAGE 11
STA 2503+99 - STA 2507+95, RT
REMOVE TEMPORARY STORM SEWER ITEMS (INCIDENTAL TO ITEMS)

STAGE 11
STA 2507+95, RT
REMOVING INLETS
1-INLETS MEDIAN 1 GRATE REQ'D
1-INLET COVERS TYPE MS REQ'D
REMOVING STORM SEWER 18-INCH
SSPRC CLASS III 18-INCH CONNECTION
1-CONCRETE COLLAR REQ'D

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PLAN	SHEET 300	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 33

PLOT DATE : 7/21/2023 10:49 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:200 FT





PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PROFILE	SHEET 301	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 34

PLOT DATE : 7/21/2023 10:49 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:200 FT

LEGEND
- DELINEATED WETLAND BOUNDARY
- SLOPE INTERCEPT
- X CLEARING AND GRUBBING

NOTES
SEE USH 53 MAINLINE SHEETS FOR DRAINAGE PIPES THAT CROSS BOTH THE USH 53 MAINLINE AND RAMP

ALL OTHER GUARDRAIL SHOWN ON THE USH 53 MAINLINE SHEETS

LANDMARK REFERENCE MONUMENTS (BY OTHERS)

CHIPPEWA RIVER

CHIPPEWA FALLS DEPT OF PUBLIC UTL (WATER)

CHIPP PROPERTIES LLC

WISDOT (COMMUNICATION)

XCEL ENERGY (GAS)

XCEL ENERGY (ELECTRIC)

CHARTER COMMUNICATION (COMMUNICATION)

CAUTION

CINC (COMMUNICATION)

USH 53 SB/BUS 29 ENTRANCE

USH 53 SB/BUS 29 EXIT

EB BUS 29/CTH X

WB BUS 29/CTH X

N87° 03' 42"E

2170'XC'

2180'XD'

2175'XD'

2175'XC'

JAMES PETERSON SONS INC

WCL RR

WIS CENTRAL LTD RAILROAD R/W

TIFFANY MARIE HAAS

BRANCH CHIPPEWA RIVER

ASTREA (COMMUNICATION)

BM 601

BM 600

BM 604

BM 603

2165'XD'

2170'XD'

2180'XC'

2185'XC'

B-9-48

B-9-49

B-9-50

B-9-51

B-9-52 (TO REMAIN)

B-9-53 (TO REMAIN)

CP/BM #505
Y = 125,145.65
X = 162,355.54
ELEV = 842.28
NGS WHEATON E
(DO NOT DISTURB)

N0° 12' 58"E 1220'XA'

N1° 59' 45"W 1235'XB' 1240'XB'

USH 53 SB

USH 53 NB

USH 53 NB/BUS 29 EXIT

USH 53 NB/BUS 29 ENTRANCE

CURVE 1 1225'XA'

CURVE 2

CURVE 3

CURVE 4

CURVE 5

CURVE 6 1230'XB'

CURVE 7

PCC: 1226+35.16'XA'

PCC: 1224+84.26'XA'

PC: 1222+76.22'XA'

PC: 1231+64.09'XA'

PCC: 1230+55.50'XB'

PCC: 1228+10.06'XB'

PCC: 1227+39.65'XB'

PT: 1231+71.70'XB'

PT: 1225+45.15'XB'

S65° 23' 34"W

S6° 45' 45"W

N3° 00' 00"W

1230'XA'

1225'XB'

EP: 1242+68.28'XB'

BP: 1217+15.68'XA'

STA 121+03.66 = STA 1222+21.19
Y=125,079.356
X=162,386.680

STA 1222+22.37'XA' = STA 121+37.74
Y=125,080.978
X=162,420.720

STA 1233+97.69'XA' = STA 125+64.38
Y=125,102.848
X=162,846.795

STA 1220+14.16'XB' = STA 126+50.90
Y=125,107.283
X=162,933.201

END CONSTRUCTION
STA 1233+84.92'XA'
MATCH EXISTING
SAWCUT REQ'D

BEGIN CONSTRUCTION
STA 1220+26.84'XB'
MATCH EXISTING
SAWCUT REQ'D

AT&T WISCONSIN (COMMUNICATION)

CHIPPEWA COUNTY

GREENPOINT PROPERTIES 1 LLC

GREENPOINT PROPERTIES 3 LLC

GREENPOINT SUNSHINE CIRCLE LLC

SUNSHINE CIR

UNNAMED OPEN WATER

CP/BM #510
Y = 125,900.03
X = 162,462.42
ELEV = 838.53
FENO 1000 W/ ALUMINUM CAP SET

CURVE NO. 31
PI STA = 132+61.00
Y = 125138.56
X = 163542.50
PC STA = 128+37.65
Y=125116.86
X=163119.71
PT STA = 136+80.91
Y=125252.31
X=163950.28
DELTA = 12°38'56"
D = 1°30'00"
T = 423.35'
L = 843.25'
R = 3819.72'

CURVE NO. 1 'XA'
PI STA = 1223+80.80
Y = 125239.41
X = 162421.32
PC STA = 1222+76.22
Y=125134.83
X=162420.92
PT STA = 1224+84.26
Y=125340.55
X=162447.95
DELTA = 14°32'11"
D = 6°59'14"
T = 104.58'
L = 208.04'
R = 820.00'
EXISTING SE = 8.0%
PROPOSED SE = 8.0%
SE TRANSITION (T) = 240'
RO (RUNOFF) = 192'
BEGIN FULL SE STA = 1224+23.98
BRIDGE MATCH STA = 1222+75.18
BRIDGE MATCH SE = 2.0%

CURVE NO. 2 'XA'
PI STA = 1225+60.58
Y = 125414.35
X = 162467.38
PC STA = 1224+84.26
Y=125340.55
X=162447.95
PT STA = 1226+35.16
Y=125476.19
X=162512.11
DELTA = 21°07'35"
D = 13°59'59"
T = 76.32'
L = 150.90'
R = 409.26'
EXISTING SE = 8.0%
PROPOSED SE = 8.0%

CURVE NO. 3 'XA'
PI STA = 1234+08.56
Y = 126102.84
X = 162965.38
PC STA = 1226+35.16
Y=125476.19
X=162512.11
PT STA = 1231+64.09
Y=125334.82
X=162874.30
DELTA = 150°53'02"
D = 28°31'36"
T = 773.40'
L = 528.92'
R = 200.85'
EXISTING SE = 8.0%
PROPOSED SE = 8.0%
SE TRANSITION (T) = 172'
RO (RUNOFF) = 138'

CURVE NO. 4 'XB'
PI STA = 1224+26.78
Y = 125519.33
X = 162911.61
PC STA = 1222+78.51
Y=125371.27
X=162919.37
PT STA = 1225+45.15
Y=125581.07
X=162776.81
DELTA = 62°23'34"
D = 23°24'01"
T = 148.27'
L = 266.63'
R = 244.85'
EXISTING SE = 8.0%
PROPOSED SE = 8.0%
SE TRANSITION (T) = 181'
RO (RUNOFF) = 145'

CURVE NO. 5 'XB'
PI STA = 1227+75.22
Y = 125676.87
X = 162567.63
PC STA = 1227+39.65
Y=125662.06
X=162599.97
PT STA = 1228+10.06
Y=125701.88
X=162542.34
DELTA = 20°04'00"
D = 28°29'59"
T = 35.57'
L = 70.41'
R = 201.04'
EXISTING SE = 8.0%
PROPOSED SE = 8.0%
SE TRANSITION (T) = 172'
RO (RUNOFF) = 138'

CURVE NO. 6 'XB'
PI STA = 1229+36.65
Y = 125790.88
X = 162452.31
PC STA = 1228+10.06
Y=125701.88
X=162542.34
PT STA = 1230+55.50
Y=125915.27
X=162428.78
DELTA = 34°36'55"
D = 14°06'12"
T = 126.60'
L = 245.44'
R = 406.26'
EXISTING SE = 8.0%
PROPOSED SE = 8.0%

CURVE NO. 7 'XB'
PI STA = 1231+13.71
Y = 125972.47
X = 162417.96
PC STA = 1230+55.50
Y=125915.27
X=162428.78
PT STA = 1231+71.70
Y=126030.65
X=162415.94
DELTA = 8°42'54"
D = 7°30'00"
T = 58.21'
L = 116.20'
R = 763.94'
EXISTING SE = 8.0%
PROPOSED SE = 8.0%
SE TRANSITION (T) = 240'
RO (RUNOFF) = 192'
END FULL SE STA = 1230+52.25
BRIDGE MATCH STA = 1231+43.45
BRIDGE MATCH SE = 4.2%

STAGE 6
STA 1227+66'XA', RT
ADJUSTING INLET COVER REQ'D

STA 1227+66'XA', RT
EXISTING 18" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

STAGE 6
STA 1225+14'XA', RT
ADJUSTING INLET COVER REQ'D

STA 1225+15'XA', RT
EXISTING 21" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

STAGE 6
STA 1227+16'XA', LT
EXISTING INLET TO REMAIN

STA 1227+16'XA', RT
EXISTING 18" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

STAGE 6
STA 1230+15'XA', LT
STA 1230+16'XA', RT
ADJUSTING INLET COVER REQ'D

STA 1230+15'XA', LT
STA 1230+16'XA', RT
EXISTING 18" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

STAGE 6
STA 1232+65'XA', RT
ADJUSTING INLET COVER REQ'D

STA 1232+65'XA', RT
EXISTING 18" X 24" ARCH SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

STAGE 6
STA 1221+17'XB', LT
STA 1220+91'XB', LT
STA 1220+91'XB', RT
ADJUSTING INLET COVER REQ'D

STA 1220+91'XB', LT
EXISTING INLET TO REMAIN

STA 1220+91'XB', LT
STA 1220+91'XB', RT
STA 1221+04'XB', LT
EXISTING 18" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

STA 1220+92'XB', RT
EXISTING 18" X 24" ARCH SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

STAGE 6
STA 1221+66'XB', LT&RT
EXISTING 30" CPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

STAGE 6
STA 1227+00'XB', RT
ADJUSTING INLET COVER REQ'D

STA 1227+04'XB', RT
EXISTING 21" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

STA 1229+87'XB' - STA 1231+35'XB', RT
REMOVING GUARDRAIL

STA 1228+16'XB' - STA 1231+35'XB', RT
MGS GUARDRAIL 3
MGS THRIE BEAM TRANSITION
MGS GUARDRAIL TERMINAL EAT

STAGE 6
STA 1230+64'XB', RT
ADJUSTING INLET COVER REQ'D

STA 1230+65'XB', RT
EXISTING 21" CPCM TO REMAIN
MARKERS FOR CULVERT END REQ'D

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
600	1222+76.25, 108.36' LT	BM ALUM CAP IN CONC	844.98
601	1216+88.90, 98.49' LT	BM ALUM CAP IN CONC	943.74
603	1221+00.81, 38.43' RT	BM ALUM CAP IN CONC (DID NOT USE IN LEVEL LOOP)	845.27
604	1217+15.63, 5.53' LT	BM CUT "BOX/X" IN PARAPIT	843.97

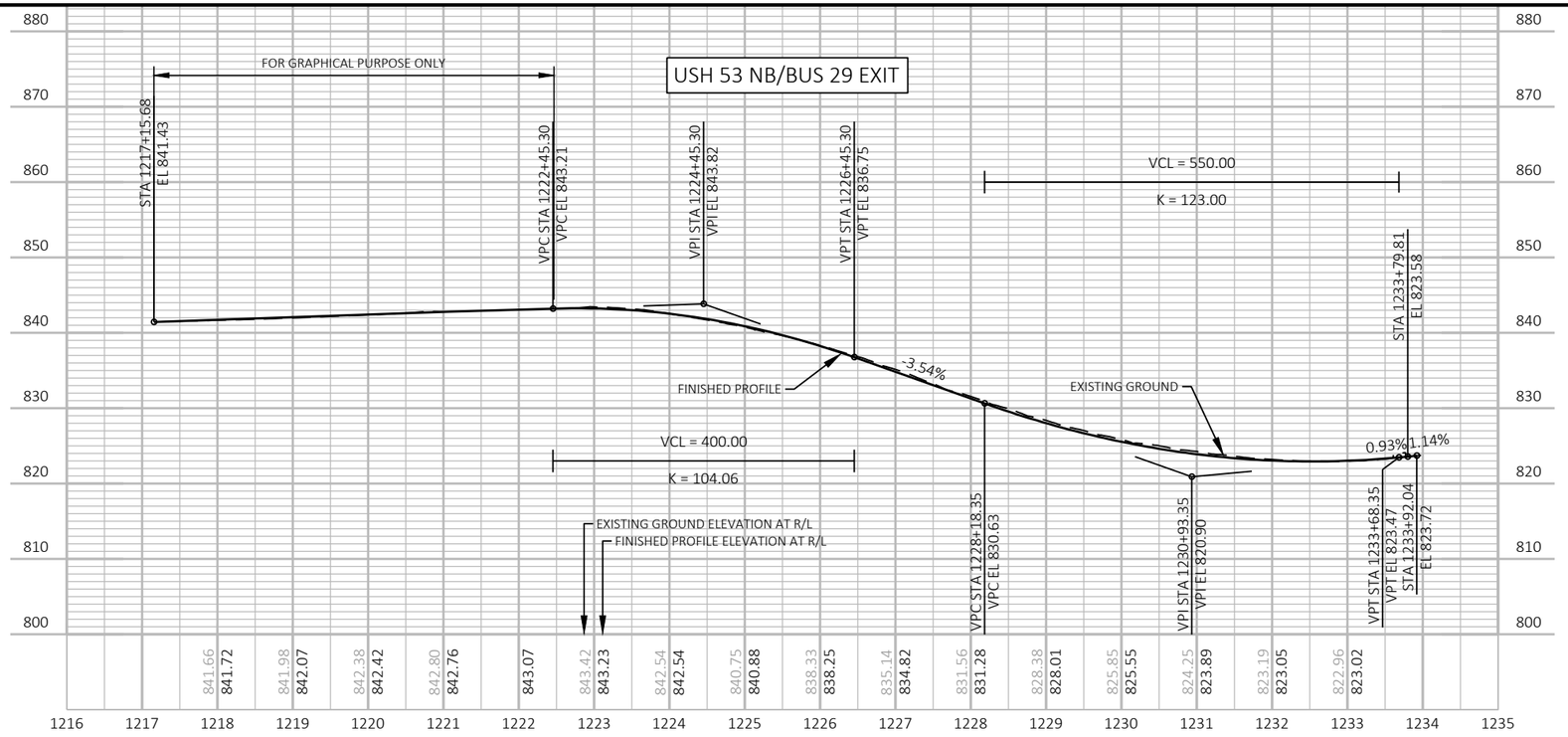
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PLAN: USH 53 NB/BUS 29 EXIT & ENTRANCE	SHEET 302	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 01

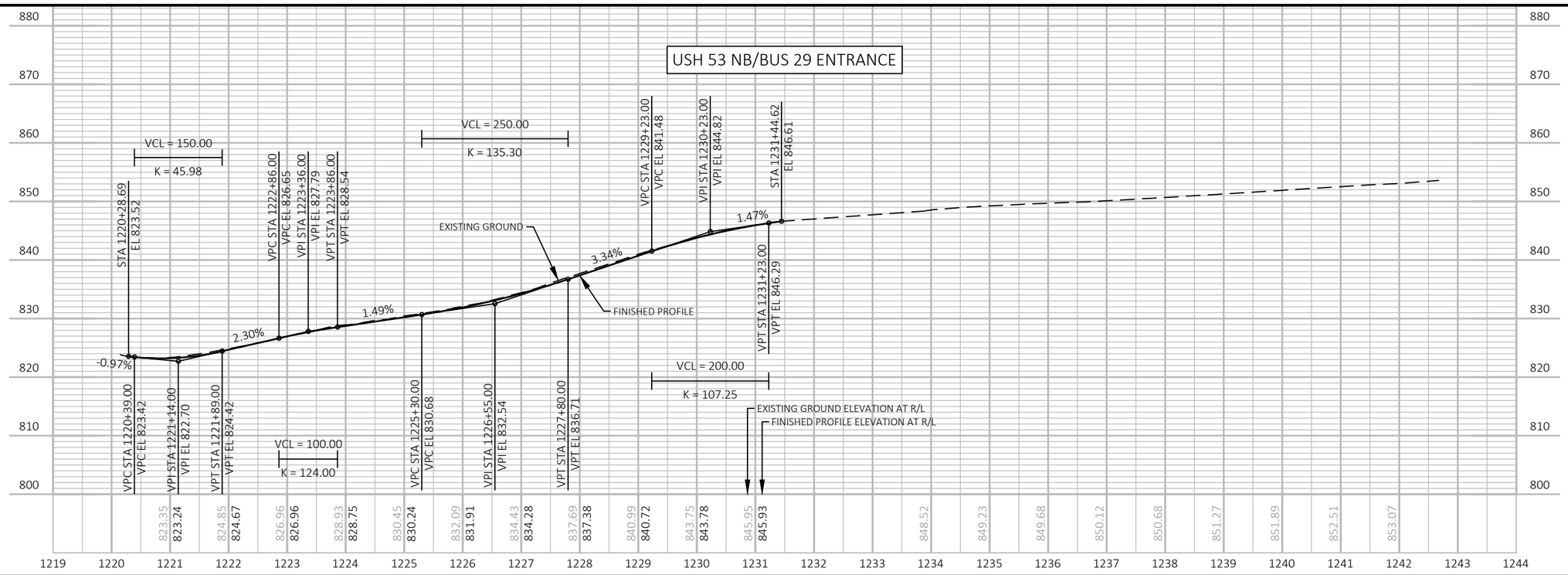
PLOT DATE : 7/21/2023 10:53 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

USH 53 NB/BUS 29 EXIT



USH 53 NB/BUS 29 ENTRANCE



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PROFILE: USH 53 NB/BUS 29 EXIT & ENTRANCE	SHEET 303	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 02

PLOT DATE : 7/21/2023 10:55 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

LEGEND
- DELINEATED WETLAND BOUNDARY
- SLOPE INTERCEPT
- X CLEARING AND GRUBBING

NOTES
SEE USH 53 MAINLINE SHEETS FOR DRAINAGE PIPES THAT CROSS BOTH THE USH 53 MAINLINE AND RAMP

ALL OTHER GUARDRAIL SHOWN ON THE USH 53 MAINLINE SHEETS

STAGE 6
STA 2168+26'XC', RT
STA 2168+29'XC', RT
ADJUSTING INLET COVER REQ'D

STA 2168+26'XC'
EXISTING INLET TO REMAIN

STA 2168+26'XC', RT
STA 2168+26'XC', LT
EXISTING 18" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

STA 2168+28'XC', RT
EXISTING 12" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

STAGE 6
STA 2169+55'XC', RT
EXISTING 30" CPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

STAGE 6
STA 2175+01'XC', LT
ADJUSTING INLET COVER REQ'D

STA 2174+96'XC', LT
EXISTING 21" CPCM TO REMAIN
MARKERS FOR CULVERT END REQ'D

STAGE 6
STA 2178+50'XC', LT
ADJUSTING INLET COVER REQ'D

STA 2178+50'XC', LT
EXISTING 21" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

STAGE 6
STA 2178+00'XD', RT
STA 2178+00'XD', LT
ADJUSTING INLET COVER REQ'D

STA 2177+99'XD', LT
STA 2178+00'XD', RT
EXISTING 30" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

STAGE 6
STA 2175+49'XD', LT
ADJUSTING INLET COVER REQ'D

STA 2175+49'XD', LT
EXISTING 18" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

STA 2174+50'XD', RT
EXISTING INLET TO REMAIN

STA 2174+50'XD', LT
EXISTING 18" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

CURVE NO. 8 'XC'
PI STA = 2171+75.34
Y = 125486.26
X = 161788.98
PC STA = 2170+38.79
Y=125350.92
X=161770.75
PT STA = 2172+87.83
Y=125541.63
X=161913.81
DELTA = 58°24'27"
D = 23°27'11"
T = 136.56'
L = 249.04'
R = 244.30'
EXISTING SE = 8.0%
PROPOSED SE = 8.0%
SE TRANSITION (T) = 181'
RO (RUNOFF) = 145'

CURVE NO. 9 'XC'
PI STA = 2175+48.08
Y = 125647.16
X = 162151.71
PC STA = 2174+94.74
Y=125625.53
X=162102.95
PT STA = 2175+99.02
Y=125690.12
X=162183.33
DELTA = 29°43'13"
D = 28°29'59"
T = 53.34'
L = 104.28'
R = 201.04'
EXISTING SE = 8.0%
PROPOSED SE = 8.0%
SE TRANSITION (T) = 172'
RO (RUNOFF) = 138'

CURVE NO. 10 'XC'
PI STA = 2176+77.86
Y = 125753.61
X = 162230.07
PC STA = 2175+99.02
Y=125690.12
X=162183.33
PT STA = 2177+54.79
Y=125829.92
X=162249.88
DELTA = 21°48'28"
D = 13°59'59"
T = 78.84'
L = 155.77'
R = 409.26'
EXISTING SE = 8.0%
PROPOSED SE = 8.0%

CURVE NO. 11 'XC'
PI STA = 2178+49.71
Y = 125921.79
X = 162273.73
PC STA = 2177+54.79
Y=125829.92
X=162249.88
PT STA = 2179+43.66
Y=126016.71
X=162274.36
DELTA = 14°09'54"
D = 7°30'00"
T = 94.92'
L = 188.87'
R = 763.94'
EXISTING SE = 8.0%
PROPOSED SE = 8.0%
SE TRANSITION (T) = 240'
RO (RUNOFF) = 192'
END FULL SE STA = 2178+28.31
BRIDGE MATCH STA = 2179+43.66
BRIDGE MATCH SE = 2.0%

CURVE NO. 12 'XD'
PI STA = 2171+16.68
Y = 125189.33
X = 162279.23
PC STA = 2170+57.62
Y=125130.31
X=162281.34
PT STA = 2171+75.50
Y=125247.32
X=162268.08
DELTA = 8°50'27"
D = 7°30'00"
T = 59.06'
L = 117.88'
R = 763.94'
EXISTING SE = 8.0%
PROPOSED SE = 8.0%
SE TRANSITION (T) = 240'
RO (RUNOFF) = 192'
BEGIN FULL SE STA = 2171+64.40
BRIDGE MATCH STA = 2170+54.00
BRIDGE MATCH SE = 3.4%

CURVE NO. 13 'XD'
PI STA = 2173+02.92
Y = 125372.45
X = 162244.01
PC STA = 2171+75.50
Y=125247.32
X=162268.08
PT STA = 2174+22.48
Y=125461.53
X=162152.90
DELTA = 34°45'22"
D = 14°04'21"
T = 127.42'
L = 246.98'
R = 407.15'
EXISTING SE = 8.0%
PROPOSED SE = 8.0%

CURVE NO. 14 'XD'
PI STA = 2179+35.63
Y = 125820.27
X = 161785.98
PC STA = 2174+22.48
Y=125461.53
X=162152.90
PT STA = 2179+02.66
Y=125307.83
X=161812.84
DELTA = 137°21'18"
D = 28°36'18"
T = 513.15'
L = 480.18'
R = 200.30'
EXISTING SE = 8.0%
PROPOSED SE = 8.0%
SE TRANSITION (T) = 172'
RO (RUNOFF) = 138'

STA 2170+62'XD' - STA 2172+11'XD', LT
REMOVING GUARDRAIL

STA 2170+79'XD' - STA 2172+81'XD', LT
MGS GUARDRAIL 3
MGS THRIE BEAM TRANSITION
MGS GUARDRAIL TERMINAL EAT

STA 2167+30.61'XC' = STA 114+45.73
Y=125,045.505
X=161,729.615

STA 2181+60.37'XD' = STA 115+42.57
Y=125,050.469
X=161,826.328

STA 2170+01.35'XD' = STA 120+00.20
Y=125,074.076
X=162,283.352

STA 120+43.63 = STA 2170+02.68
Y=125,076.294
X=162,326.721

BEGIN CONSTRUCTION
STA 2167+42.19'XC'
MATCH EXISTING
SAWCUT REQ'D

END CONSTRUCTION
STA 2181+48.89'XD'
MATCH EXISTING
SAWCUT REQ'D

CP/BM #505
Y = 125,145.65
X = 162,355.54
ELEV = 842.28
NGS WHEATON E
(DO NOT DISTURB)

CP/BM #510
Y = 125,900.03
X = 162,462.42
ELEV = 838.53
FENO 1000 W/ ALUMINUM CAP SET

STAGE 6
STA 2172+99'XD', LT
REMOVING INLET COVER
1-INLET COVER TYPE H-D REQ'D

STAGE 6
STA 2173+00'XD', LT
EXISTING 18" CPCP TO REMAIN
MARKERS FOR CULVERT END REQ'D

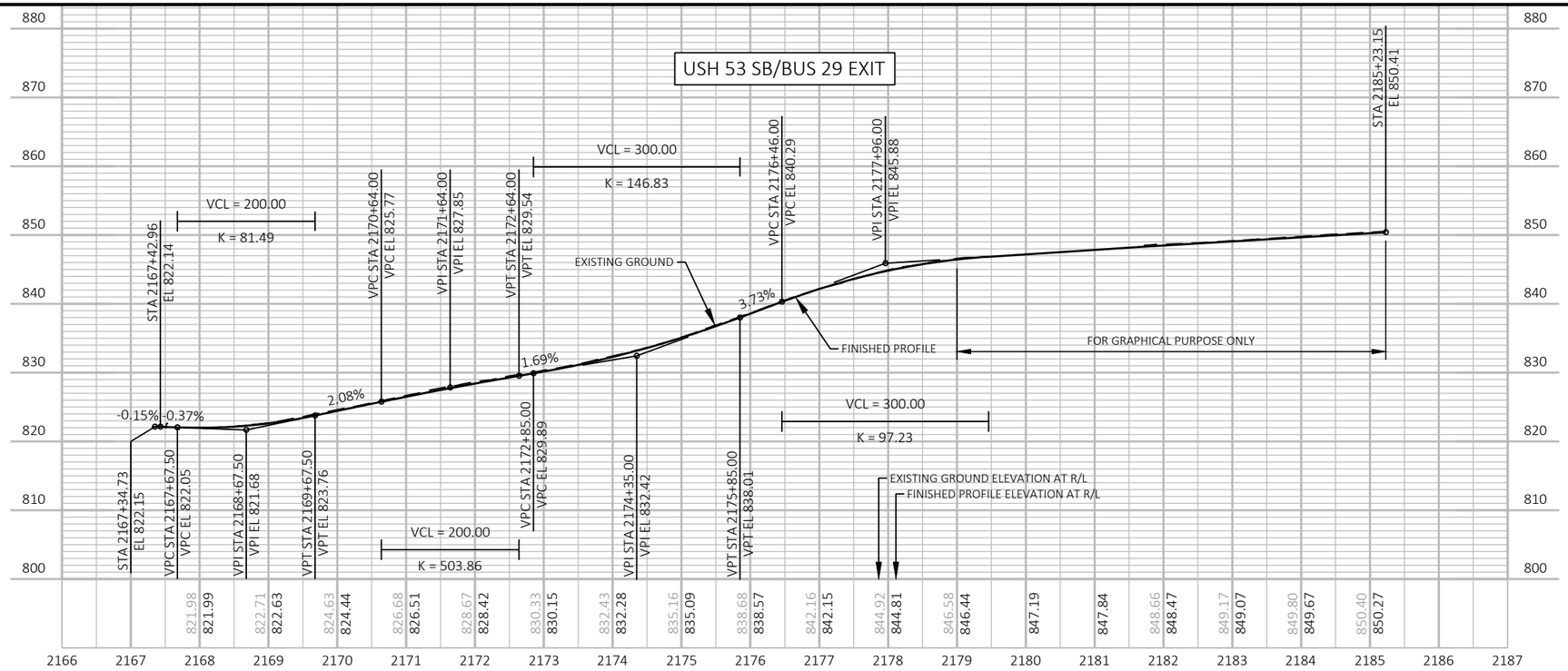
BENCH MARKS

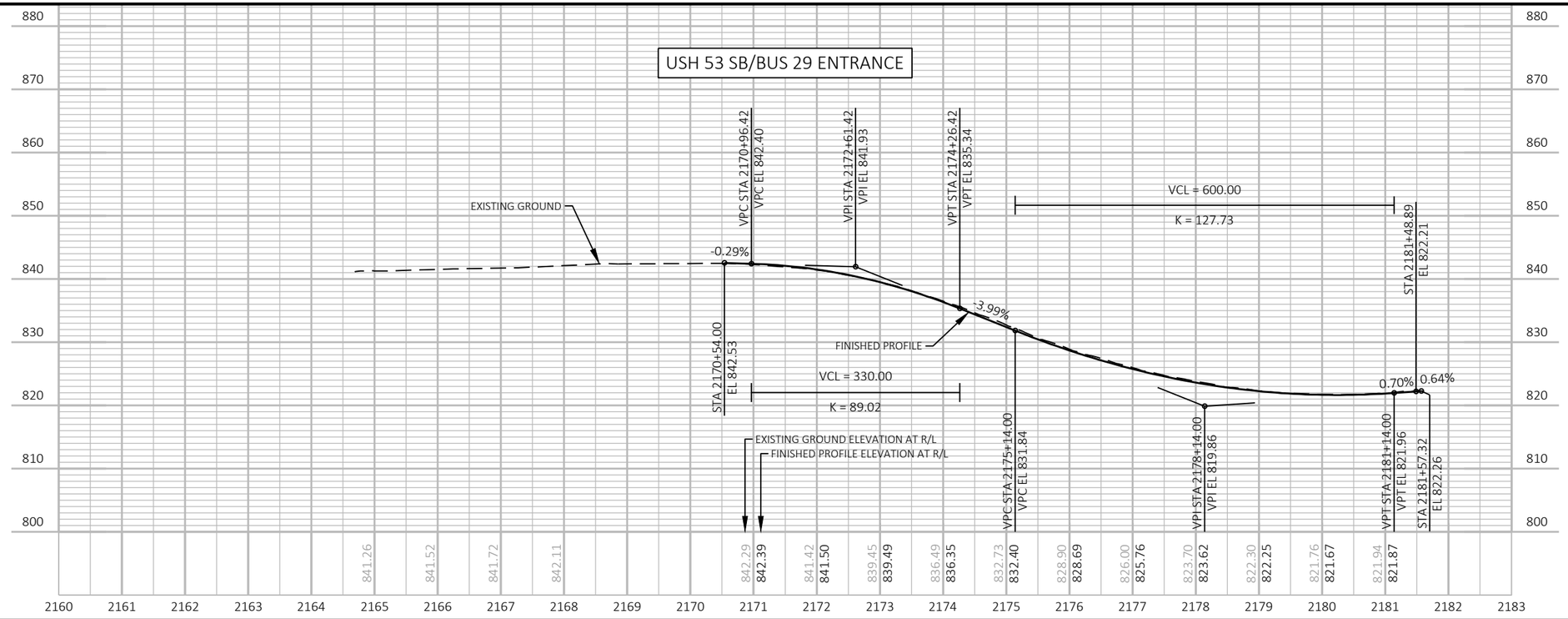
NO.	STATION	DESCRIPTION	ELEV.
600	1222+76.25, 108.36' LT	BM ALUM CAP IN CONC	844.98
601	1216+88.90, 98.49' LT	BM ALUM CAP IN CONC	943.74
603	1221+00.81, 38.43' RT	BM ALUM CAP IN CONC (DID NOT USE IN LEVEL LOOP)	845.27
604	1217+15.63, 5.53' LT	BM CUT "BOX/X" IN PARAPIT	843.97

UNNAMED OPEN WATER
CHIPPEWA RIVER
BRANCH CHIPPEWA RIVER
WCL RR
USH 53 SB/BUS 29 ENTRANCE
USH 53 SB/BUS 29 EXIT
USH 53 NB/BUS 29 EXIT
USH 53 NB/BUS 29 ENTRANCE
EB BUS 29/CTH X
WB BUS 29/CTH X
USH 53 SB
USH 53 NB
CHIPPEWA FALLS DEPT OF PUBLIC UTL (WATER)
WISDOT (COMMUNICATION)
AT&T WISCONSIN (COMMUNICATION)
XCEL ENERGY (GAS)
XCEL ENERGY (ELECTRIC) CHARTER (COMMUNICATION)
CINC (COMMUNICATION)
ASTREA (COMMUNICATION)
LANDMARK REFERENCE MONUMENTS (BY OTHERS)
CAUTION
JAMES PETERSON SONS INC
CHIPP PROPERTIES LLC
WIS CENTRAL LTD RAILROAD R/W
TIFFANY MARIE HAAS
GREENPOINT PROPERTIES 3 LLC
CHIPPEWA COUNTY

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PLAN: USH 53 SB/BUS 29 EXIT & ENTRANCE	SHEET 304	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 03
PLOT DATE : 7/21/2023 10:56 AM
PLOT BY : AUSTIN STRAHL
PLOT NAME :
PLOT SCALE : 1 IN:200 FT





PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PROFILE: USH 53 SB/BUS 29 EXIT & ENTRANCE	SHEET 305	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 04

PLOT DATE : 7/21/2023 10:58 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

LEGEND
- DELINEATED WETLAND BOUNDARY
- SLOPE INTERCEPT
- X CLEARING AND GRUBBING

NOTE
SEE USH 53 MAINLINE SHEETS FOR DRAINAGE PIPES THAT CROSS BOTH THE USH 53 MAINLINE AND RAMP

GARY A MCDONALD
MARY K MCDONALD

ASTREA (COMMUNICATION)

UNNAMED CREEK

USH 53 SB/CTH S ENTRANCE

USH 53 SB

USH 53 NB

USH 53 NB/CTH S EXIT

USH 53 NB/CTH S ENTRANCE

CTH S

2300'SD' 2305'SD' 2310'SD' 2315'SD'

1355'SA' 1360'SA' 1365'SA' 1370'SA' 1375'SA'

1375'SB'

N1° 50' 29"W

N6° 52' 46"W

N0° 48' 14"E

CURVE 16

CURVE 17

BP: 1354+94.66'SA'

PC: 1355+62.24'SA'

PT: 1360+49.97'SA'

PC: 1366+40.05'SA'

PT: 1370+24.22'SA'

STA 219+32.81'EB' =
STA 1375+54.18'SA'
Y=140,372.339
X=163,050.248

216'EB' 216'WB' 218'EB' 218'WB' 220'EB' 220'WB' 222'EB' 222'WB' 224'EB' 224'WB'

CURVE NO. 16 'SA'
PI STA = 1358+06.26
Y = 138630.99
X = 163163.06
PC STA = 1355+62.24
Y=138387.09
X=163170.91
PT STA = 1360+49.97
Y=138873.26
X=163133.83
DELTA = 5°02'16"
D = 1°01'58"
T = 244.02'
L = 487.73'
R = 5547.00'
EXISTING SE = 3.4%
PROPOSED SE = 3.4%
SE TRANSITION (T) = 151'
RO (RUNOFF) = 95'

CURVE NO. 17 'SA'
PI STA = 1368+32.43
Y = 139650.08
X = 163040.11
PC STA = 1366+40.05
Y=139459.09
X=163063.15
PT STA = 1370+24.22
Y=139842.43
X=163042.81
DELTA = 7°41'00"
D = 2°00'00"
T = 192.37'
L = 384.17'
R = 2864.79'
EXISTING SE = 4.0%
PROPOSED SE = 5.0%
SE TRANSITION (T) = 84'

STAGE 2
STA 1374+18'SA', LT&RT
EXISTING 36" CPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D
(SEE EROSION CONTROL PLANS FOR RIPRAP)

XCEL ENERGY (ELECTRIC)

AT&T WISCONSIN (COMMUNICATION)

AT&T WISCONSIN (COMMUNICATION)

CINC (COMMUNICATION)

KOHEL PROPERTIES LLC

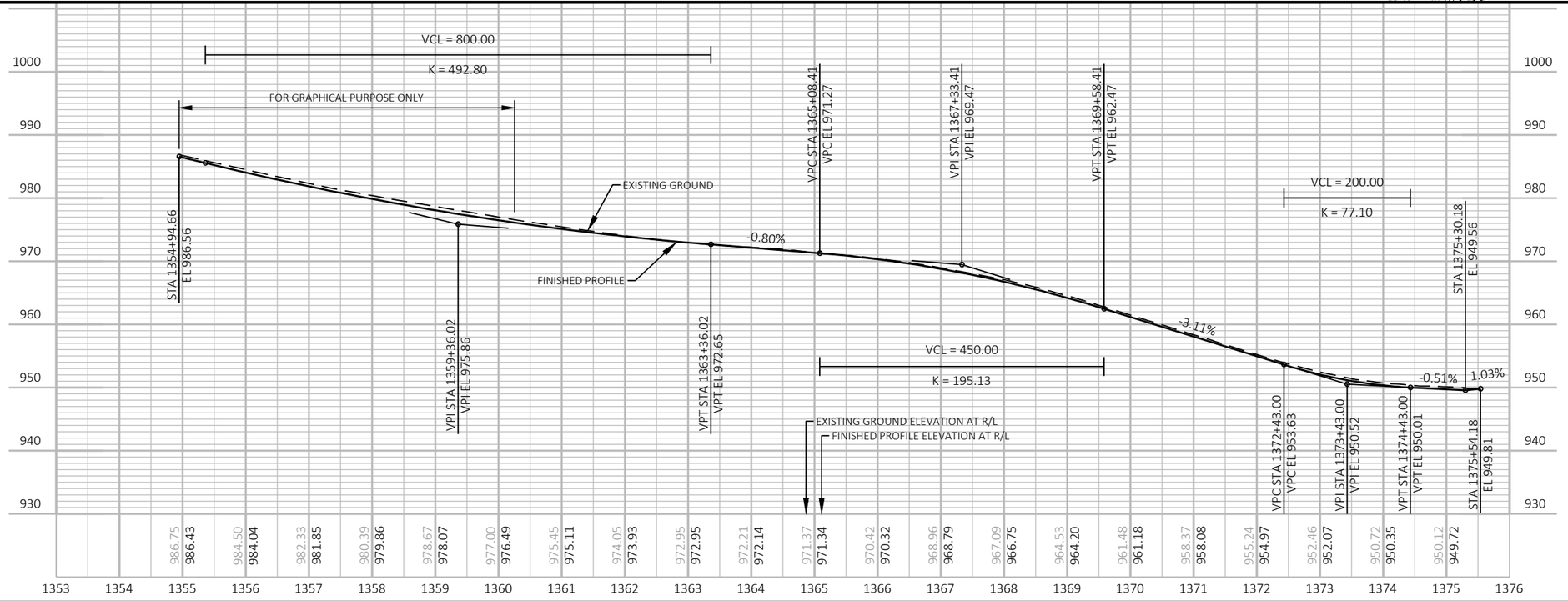
KOHEL PROPERTIES LLC

GARY A MCDONALD
MARY K MCDONALD

R/W

5

5

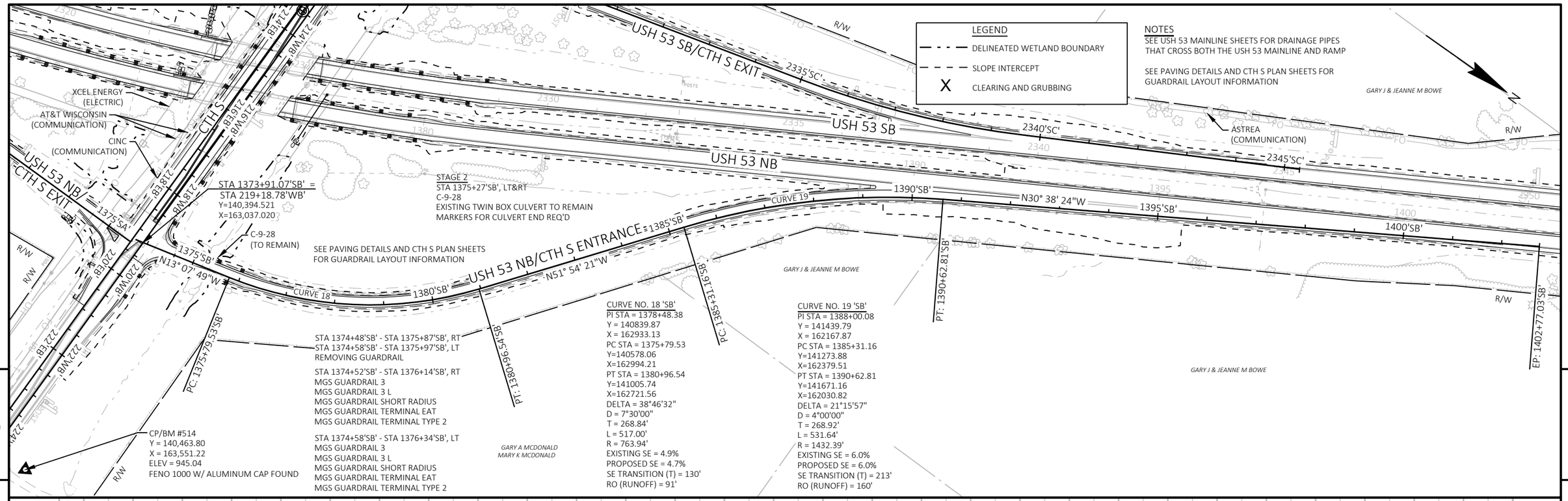


PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PLAN AND PROFILE: USH 53 NB/CTH S EXIT	SHEET 306	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 10

PLOT DATE : 7/21/2023 10:59 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:200 FT

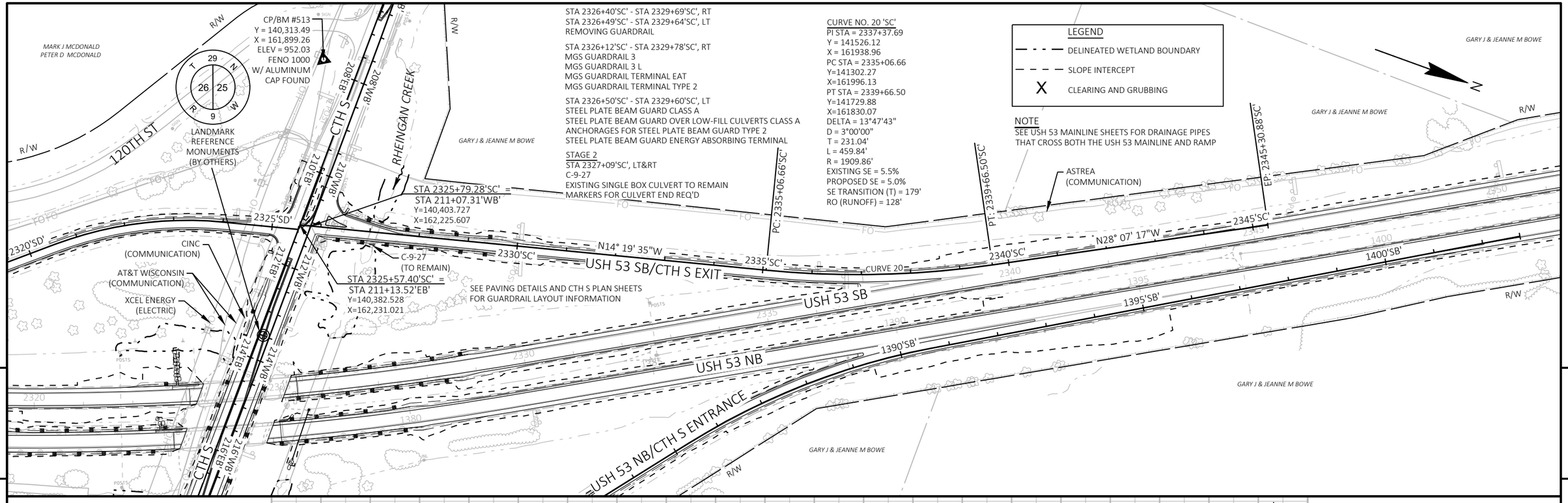
WISDOT/CADDS SHEET 44



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PLAN AND PROFILE: USH 53 NB/CTH S ENTRANCE	SHEET 307	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 11

PLOT DATE : 7/21/2023 11:01 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:200 FT

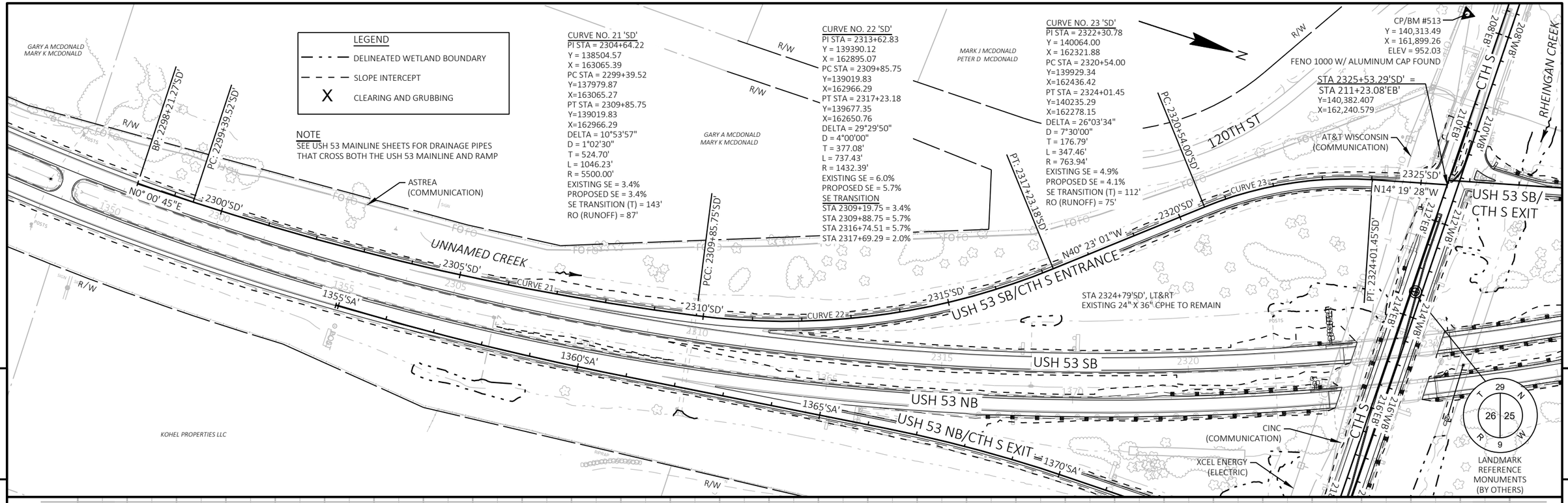


PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PLAN AND PROFILE: USH 53 SB/CTH S EXIT	SHEET 308	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 12

PLOT DATE : 7/21/2023 11:03 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PLAN AND PROFILE: USH 53 SB/CTH S ENTRANCE	SHEET 309	E

LEGEND

- DELINEATED WETLAND BOUNDARY
- SLOPE INTERCEPT
- X — CLEARING AND GRUBBING

NOTES

SEE USH 53 MAINLINE SHEETS FOR DRAINAGE PIPES THAT CROSS BOTH THE USH 53 MAINLINE AND RAMP

REMOVE ALL EMPTY PULL BOXES IN CTH S ISLAND AND MEDIANS (SEE PAVING DETAILS)

(S) SEE TRAFFIC CONTROL PLANS FOR LIMITS OF SHOULDER PAVING OUTSIDE PAVEMENT REPLACEMENT LIMITS

CURVE NO. 24 'WB'
PI STA = 205+86.99
Y = 140409.29
X = 161705.25
PC STA = 204+64.05
Y=140403.45
X=161582.45
PT STA = 207+09.86
Y=140408.02
X=161828.18
DELTA = 3°18'50"
D = 1°20'53"
T = 122.94'
L = 245.81'
R = 4250.00'

GARY J & JEANNE M BOWE

WILLIAM W POOLER

PETER D MCDONALD
MARK J MCDONALD

5

R/W

BP: 200+00.00'EB'

BP: 202+49.49'WB'

PC: 204+64.05'WB'

PT: 207+09.86'WB'

RHEINGAN CREEK

N89° 15' 32"E 202'EB'

N87° 16' 37"E 204'WB' 204'EB'

206'WB' CURVE 24

206'EB' S89° 17' 16"E 208'EB'

208'WB' S89° 24' 33"E 210'WB'

210'EB' 212'WB' S89° 24' 33"E 214'WB'

212'EB' 214'EB'

CTH S

Y = 140393.257
X = 161368.127

PI: 202+50.56'EB'

XCEL ENERGY (ELECTRIC)

CINC (COMMUNICATION)

END CONSTRUCTION
CURB & GUTTER REPLACEMENT
STA 206+68.63'EB'
MATCH EXISTING
SAWCUT REQ'D

BEGIN CONSTRUCTION
CURB & GUTTER REPLACEMENT
STA 204+07.18'EB'
MATCH EXISTING
SAWCUT REQ'D

CP/BM #513
Y = 140,313.49
X = 161,899.26
ELEV = 952.03
FENO 1000 W/ ALUMINUM CAP FOUND

STAGE 2
STA 206+39'EB', LT
STA 206+48'EB', LT
2 - COVER PLATES TEMPORARY
ADJUSTING INLET COVER REQ'D

STA 2325+79.48'SC' =
STA 211+07.26'WB'
Y=140,403.925
X=162,225.557

BEGIN CONSTRUCTION
STA 210+22.96'WB'
STA 210+23.49'EB'
MATCH EXISTING
SAWCUT REQ'D

BEGIN CONSTRUCTION
STA 209+89.40'EB'
MATCH EXISTING
SAWCUT REQ'D

AT&T WISCONSIN
(COMMUNICATION)

STA 2325+57.74'SC' =
STA 211+13.43'EB'
Y=140,382.859
X=162,230.937

STA 2325+53.29'SD' =
STA 211+23.08'EB'
Y=140,382.409
X=162,240.579

STAGE 2
STA 211+00'EB', LT
STA 211+09'EB', LT
ADJUSTING INLET COVERS REQ'D

STAGE 2
STA 211+04'EB', LT
STA 211+21'EB', LT
EXISTING 12" SSPRC TO REMAIN
MARKERS FOR CULVERT ENDS REQ'D

ASTREA
(COMMUNICATION)

120TH ST

USH 53 SB/CTH S EXIT

USH 53 SB

USH 53 NB

2330'SC'

+08 +10 +78 +60 +28 +10

POST

N

STA 213+84'EB' - STA 218+85'EB', LT
MGS GUARDRAIL 3
MGS GUARDRAIL 3 L
MGS GUARDRAIL SHORT RADIUS
MGS GUARDRAIL TERMINAL TYPE 2

PI: 214+24.47'WB'

RAMP GATE
(DO NOT DISTURB)

LANDMARK
REFERENCE
MONUMENTS
(BY OTHERS)

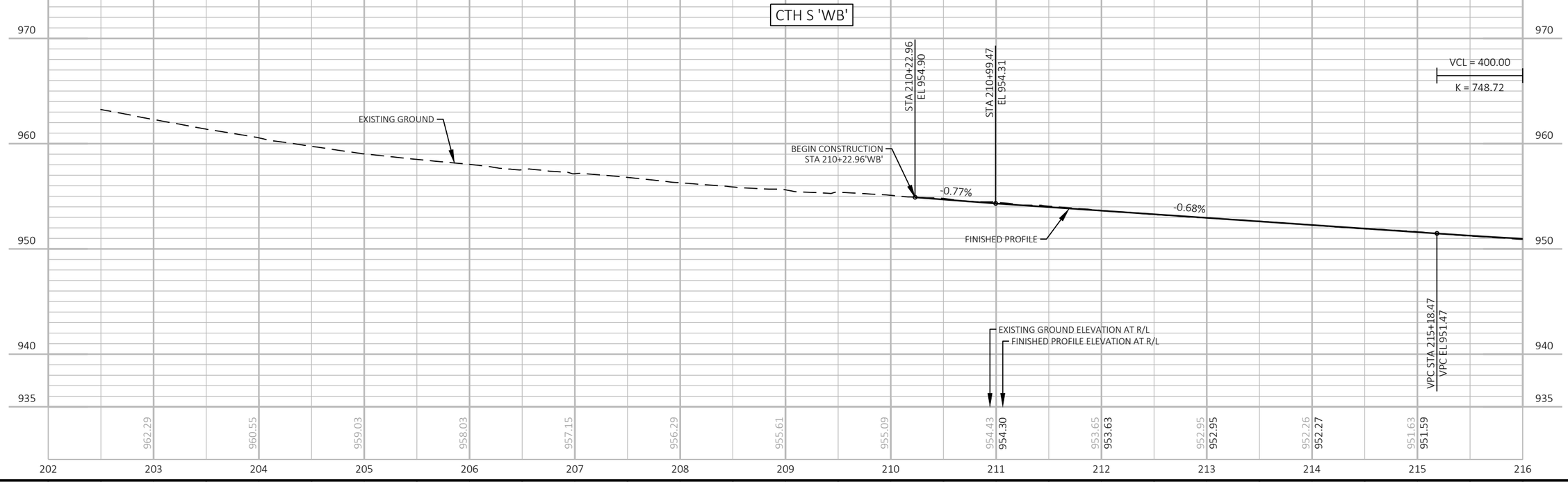
STA 212+39'EB', LT&RT
EXISTING 35" X 24" CPCMPA TO REMAIN

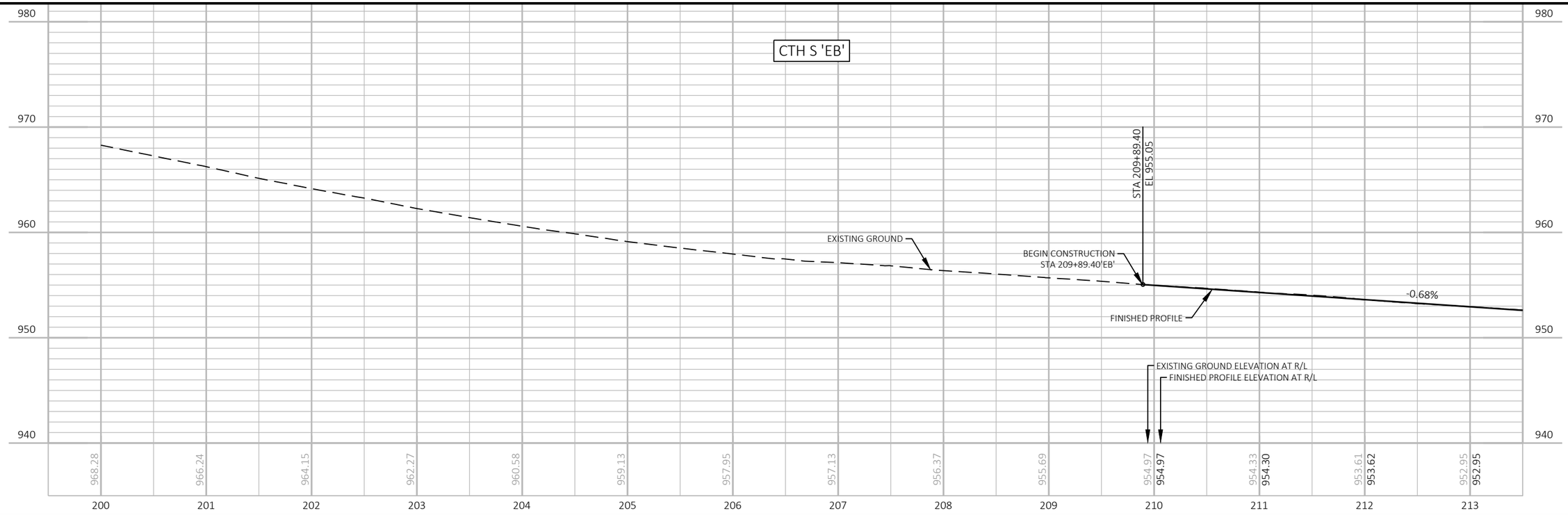
STA 212+99'EB' - STA 216+44'EB', RT
STA 213+96'EB' - STA 218+87'EB', LT
REMOVING GUARDRAIL

STA 212+95'EB' - STA 216+48'EB', RT
MGS GUARDRAIL 3
MGS GUARDRAIL TERMINAL EAT
MGS GUARDRAIL TERMINAL TYPE 2

USH 53 SB/CTH S ENTRANCE

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PLAN: CTH S	SHEET 310	E





PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PROFILE: CTH S	SHEET 311	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 15
PLOT DATE : 7/21/2023 11:06 AM
PLOT BY : AUSTIN STRAHL
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

LEGEND
DELINEATED WETLAND BOUNDARY
SLOPE INTERCEPT
X CLEARING AND GRUBBING

NOTES
SEE USH 53 MAINLINE SHEETS FOR DRAINAGE PIPES THAT CROSS BOTH THE USH 53 MAINLINE AND RAMP

REMOVE ALL EMPTY PULL BOXES IN CTH S ISLAND AND MEDIANS (SEE PAVING DETAILS)

(S) SEE TRAFFIC CONTROL PLANS FOR LIMITS OF SHOULDER PAVING OUTSIDE PAVEMENT REPLACEMENT LIMITS

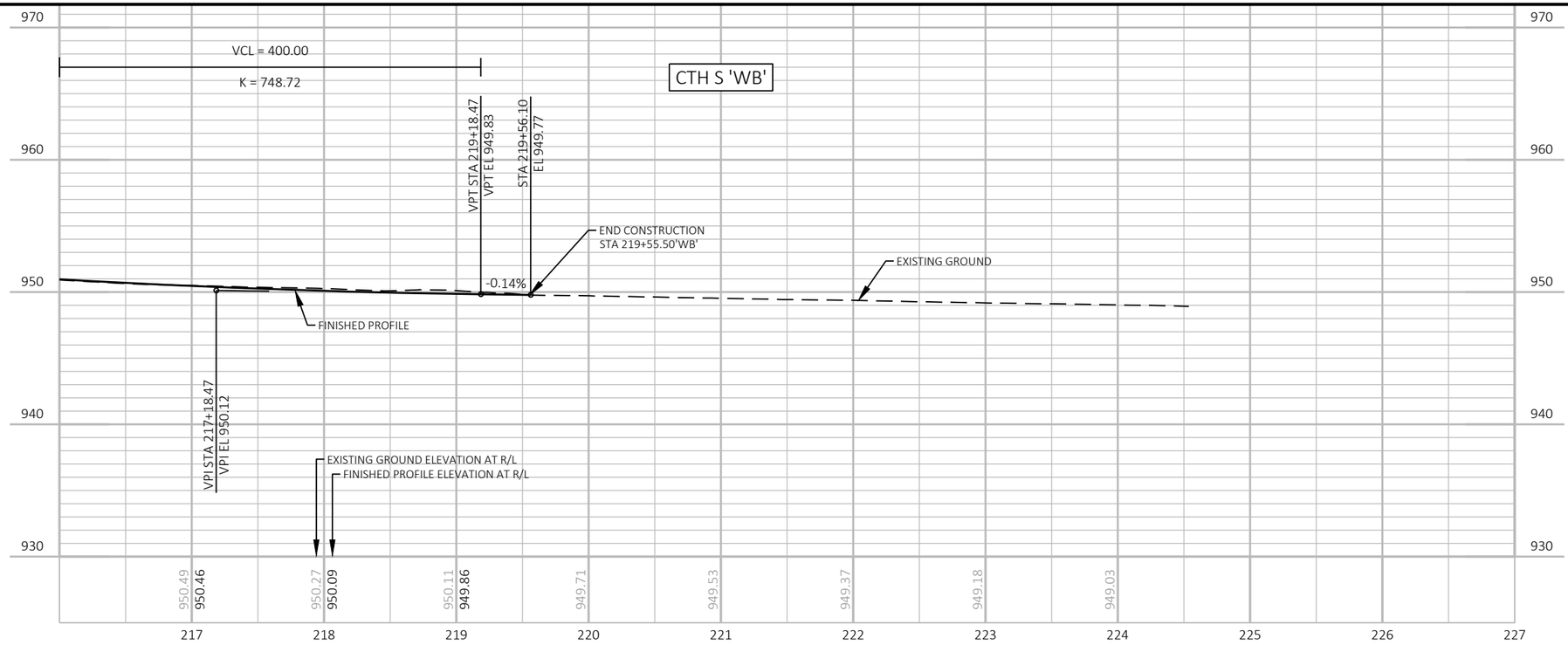
MARY K MCDONALD
GARY A MCDONALD

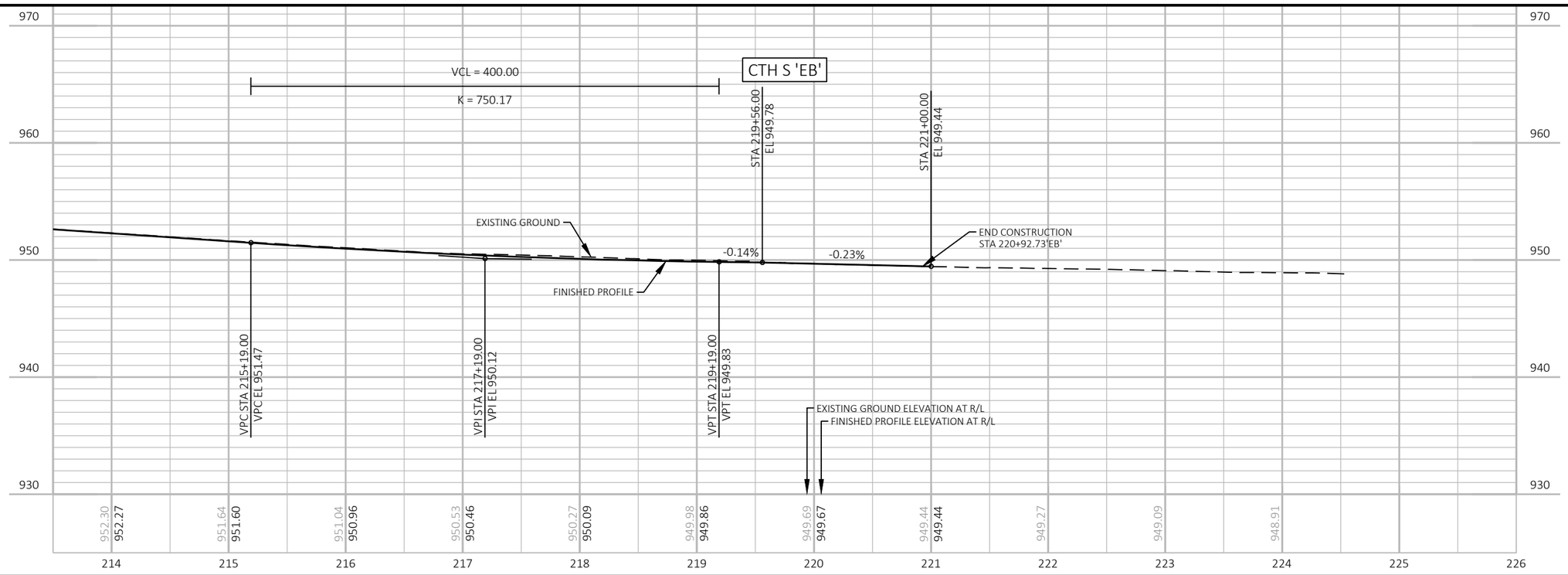
N

USH 53 NB/CTH S ENTRANCE
R/W
USH 53 SB
USH 53 NB
ORET
+44
+44
+34
+14
RHEINGAN CREEK
1375'SB
R28'
R51'
MOVE RAMP CLOSURE GATE (SEE PAVING DETAILS)
CP/BM #514
Y = 140,463.80
X = 163,551.22
ELEV = 945.04
FENO 1000 W/ ALUMINUM CAP FOUND
STA 219+21'EB' - STA 220+23'EB', LT
REMOVING GUARDRAIL
STA 219+32.81'EB' = STA 1375+54.18'SA'
Y=140,372.342
X=163,050.248
STA 219+19'EB' - STA 220+45'EB', LT
MGS GUARDRAIL 3
MGS GUARDRAIL 3 L
MGS GUARDRAIL SHORT RADIUS
MGS GUARDRAIL TERMINAL EAT
MGS GUARDRAIL TERMINAL TYPE 2
STA 213+84'EB' - STA 218+85'EB', LT
MGS GUARDRAIL 3
MGS GUARDRAIL 3 L
MGS GUARDRAIL SHORT RADIUS
MGS GUARDRAIL TERMINAL TYPE 2
PI: 214+24.47'WB
STA 219+18.78'WB' = STA 1373+91.05'SB'
Y=140,394.509
X=163,037.023
END CONSTRUCTION
STA 219+55.50'WB'
STA 219+56.11'EB'
MATCH EXISTING
SAWCUT REQ'D
END SHOULDER PAVING
STA 221+00'WB'
END GRADING
STA 222+37.23'WB'
PI: 225+99.43'WB
R/W
Y = 140400.654
X = 162542.750
Y = 140386.047
X = 163717.615
12'WB' S89° 24' 33"E 214'WB' S89° 17' 16"E 216'WB' 218'WB' 220'WB' 222'WB' 224'WB' S89° 46' 42"E 226'WB'
CTH S
216'EB'
12'EB' 214'EB' S89° 17' 16"E 218'EB' 220'EB' 222'EB' 224'EB' 226'EB'
CURVE 25
END CONSTRUCTION
STA 220+92.73'EB'
MATCH EXISTING
SAWCUT REQ'D
UNNAMED CREEK
CINC
(COMMUNICATION)
R/W
PC: 227+49.46'EB'
STA 219+24.73'EB' = STA 1373+68.40'SB'
Y=140,372.443
X=163,042.170
1375'SA'
AT&T WISCONSIN
(COMMUNICATION)
AT&T WISCONSIN
(COMMUNICATION)
XCEL ENERGY
(ELECTRIC)
T 29 N
R 26 25 W
9
LANDMARK REFERENCE MONUMENTS (BY OTHERS)
STAGE 2
(2) STA 218+65'EB', LT
ADJUSTING INLET COVER REQ'D
STA 218+65'EB', LT&RT
EXISTING 12" SSPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D
STA 212+99'EB' - STA 216+44'EB', RT
STA 213+96'EB' - STA 218+87'EB', LT
REMOVING GUARDRAIL
STA 212+95'EB' - STA 216+48'EB', RT
MGS GUARDRAIL 3
MGS GUARDRAIL TERMINAL EAT
MGS GUARDRAIL TERMINAL TYPE 2
USH 53 SB/CTH S ENTRANCE
KOHEL PROPERTIES LLC
CURVE NO. 25 'EB'
PI STA = 229+33.97
Y = 140359.90
X = 164051.33
PC STA = 227+49.46
Y=140362.19
X=163866.84
PT STA = 231+18.36
Y=140369.08
X=164235.61
DELTA = 3°33'51"
D = 0°57'58"
T = 184.51'
L = 368.90'
R = 5930.00'
R/W

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PLAN: CTH S	SHEET 312	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 16
PLOT DATE : 7/21/2023 11:07 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PROFILE: CTH S	SHEET 313	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 17

PLOT DATE : 7/21/2023 11:07 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND
- DELINEATED WETLAND BOUNDARY
- SLOPE INTERCEPT
- X CLEARING AND GRUBBING

NOTES
SEE USH 53 MAINLINE SHEETS FOR DRAINAGE PIPES THAT CROSS BOTH THE USH 53 MAINLINE AND RAMP

* SEE RAMP TRANSITION DETAIL

RICHARD A GEISSLER
LARRY H & JULIE A GEISSLER

ASTREA (COMMUNICATION)

USH 53 SB/CTH B ENTRANCE

2455'BD'

2450'BD'

2445'BD'

2440'BD'

USH 53 SB

USH 53 NB

CTH B

RHONDA BLESKEY ETAL

1495'BA'

N6° 04' 34"E

1500'BA'

CURVE 26

N16° 27' 19"E

1505'BA'

USH 53 NB/CTH B EXIT

1510'BA'

END CONSTRUCTION
STA 1509+94.00'BA'
* MATCH EXISTING SAWCUT REQ'D

1515'BB'

USH 53 NB/CTH B ENTRANCE

BRIGHTSPEED OF NORTHERN WISCONSIN (COMMUNICATION)

BP: 1493+07.93'BA'

PC: 1499+23.11'BA'

PT: 1501+82.58'BA'

CURVE NO. 26 'BA'
PI STA = 1500+53.20
Y = 151770.01
X = 158873.22
PC STA = 1499+23.11
Y=151640.65
X=158859.45
PT STA = 1501+82.58
Y=151894.77
X=158910.07
DELTA = 10°22'44"
D = 4°00'00"
T = 130.09'
L = 259.47'
R = 1432.39'
EXISTING SE = 6.0%
PROPOSED SE = 6.0%
SE TRANSITION (T) = 213'
RO (RUNOFF) = 160'

STAGE 7
STA 1506'BA'+11, LT&RT
EXISTING 24" CPRC TO REMAIN
MARKERS FOR CULVERT END REQ'D

STA 1511+07.45'BA' =
STA 314+70.89
Y=152,781.759
X=159,172.049

CP/BM #506
Y = 152,732.87
X = 159,317.84
ELEV = 972.14
FENO 1000 W/ALUMINUM CAP SET

BRYAN E & CINDY L NAYES

CRAIG M & CAROL A BOWE

QP INVESTORS LLC

JAMES & LYNN STOFFEL

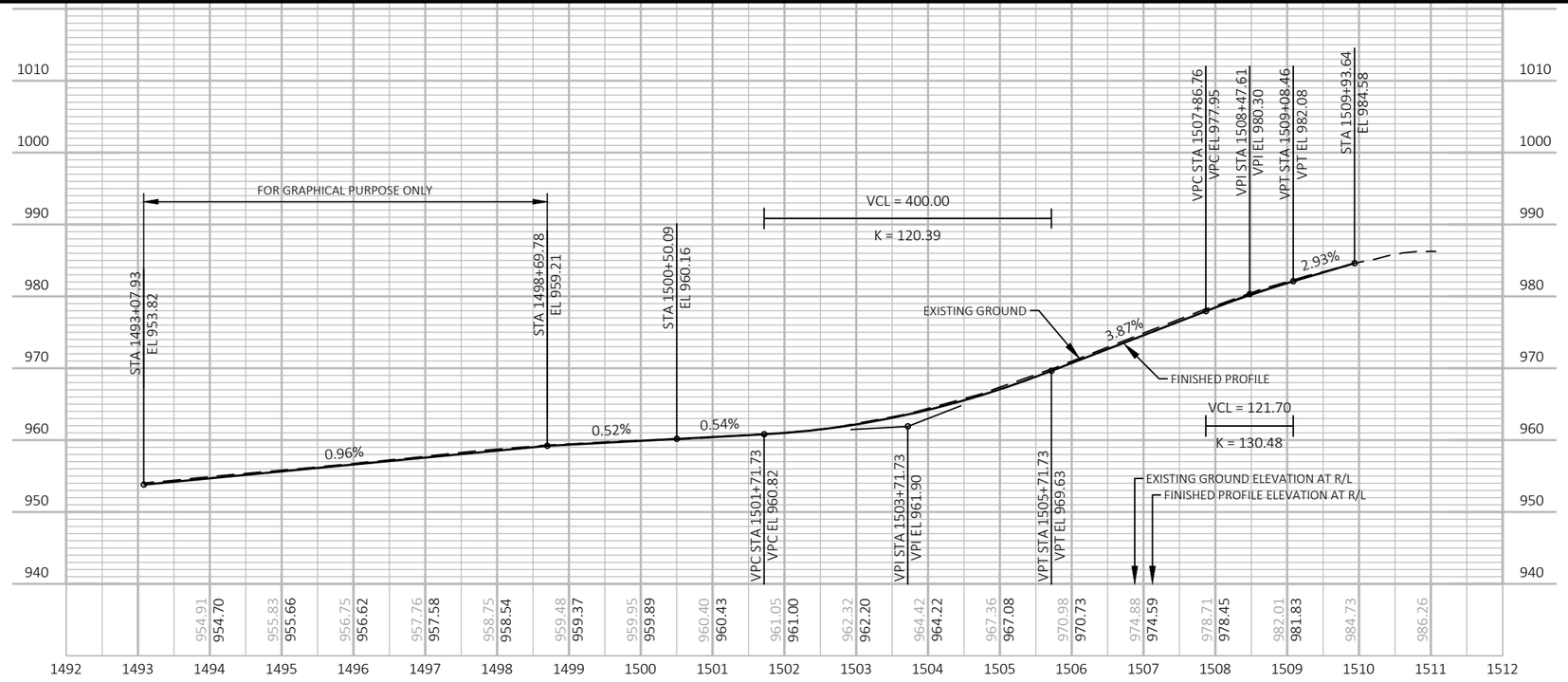
PERM EASE

UNNAMED CREEK

R/W

310 312 314 316 318

5

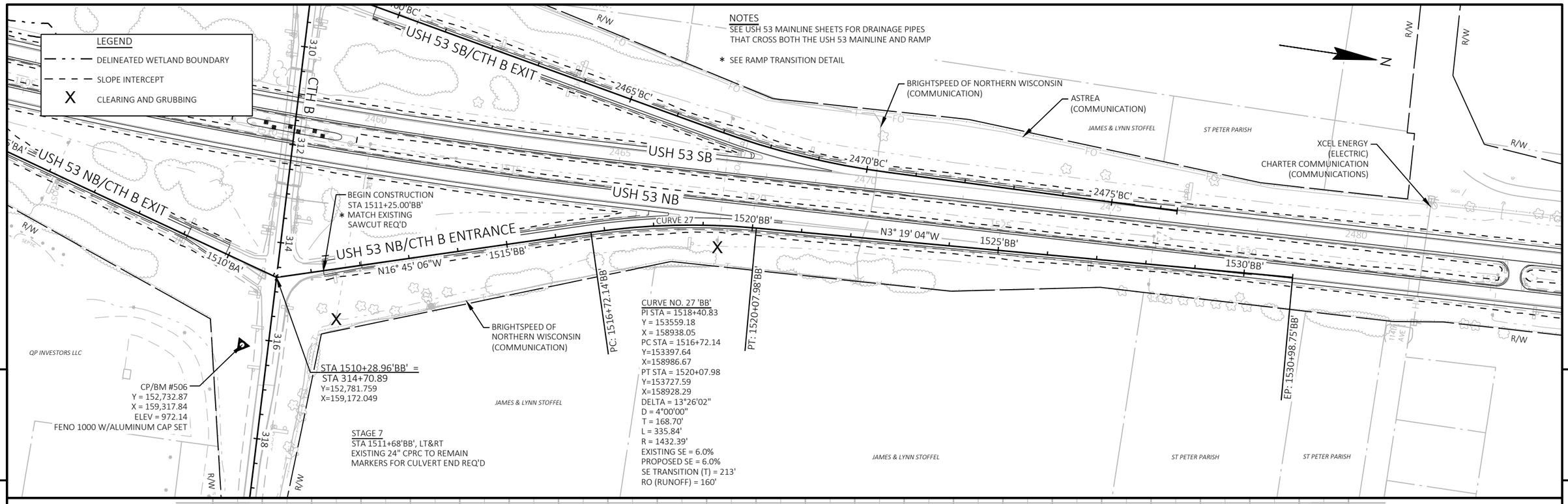


PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PLAN AND PROFILE: USH 53 NB/CTH B EXIT	SHEET 314	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 19

PLOT DATE : 7/21/2023 11:09 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PLAN AND PROFILE: USH 53 NB/CTH B ENTRANCE	SHEET 315	E

LEGEND
- DELINEATED WETLAND BOUNDARY
- SLOPE INTERCEPT
- X CLEARING AND GRUBBING

NOTES
SEE USH 53 MAINLINE SHEETS FOR DRAINAGE PIPES THAT CROSS BOTH THE USH 53 MAINLINE AND RAMP

* SEE RAMP TRANSITION DETAIL

CURVE NO. 28 'BC'
PI STA = 2468+65.14
Y = 153795.37
X = 158780.06
PC STA = 2466+86.19
Y=153619.95
X=158744.70
PT STA = 2470+42.70
Y=153974.30
X=158776.98
DELTA = 12°22'47"
D = 3°28'21"
T = 178.95'
L = 356.51'
R = 1650.00'
EXISTING SE = 6.0%
PROPOSED SE = 5.8%
SE TRANSITION (T) = 208'
RO (RUNOFF) = 155'
SE TRANSITION
STA 2469+35.00 = 5.8%
STA 2470+28.00 = 4.0%
STA 2471+00.00 = 2.0%

STA 2458+14.60'BC' = STA 308+71.14
Y=152,765.537
X=158,572.520

BEGIN CONSTRUCTION STA 2459+52.00'BC'
* MATCH EXISTING SAWCUT REQ'D

BRIGHTSPEED OF NORTHERN WISCONSIN (COMMUNICATION)

ASTREA (COMMUNICATION)

XCEL ENERGY (ELECTRIC)
CHARTER COMMUNICATION (COMMUNICATIONS)

RICHARD A GEISSLER
LARRY H & JULIE A GEISSLER

FRANCIS & KATHLEEN STOFFEL

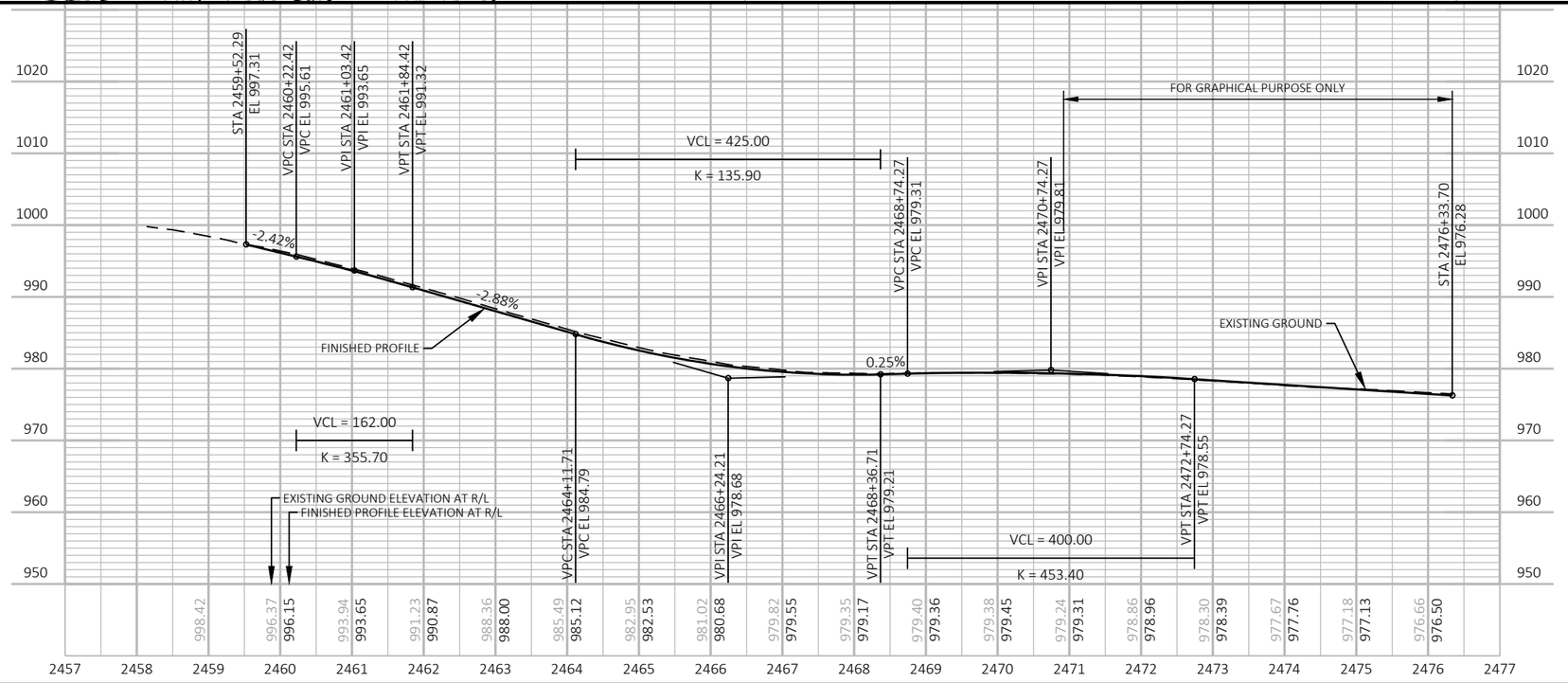
JAMES & LYNN STOFFEL

ST PETER PARISH

USH 53 SB/CTH B ENTRANCE
USH 53 SB/CTH B EXIT
USH 53 SB
USH 53 NB
USH 53 NB/CTH B ENTRANCE
USH 53 NB/CTH B EXIT
CTH B

2455'BD'
2460'BC'
N11° 23' 38"E
2465'BC'
PC: 2466+86.19'BC'
CURVE 28
2470'BC'
PT: 2470+42.70'BC'
N0° 59' 10"W
2475'BC'
EP: 2476+33.70'BC'
1530'BB'
1525'BB'
1520'BB'
1515'BB'
1505'BA'

306 308 310 312 314



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PLAN AND PROFILE: USH 53 SB/CTH B EXIT	SHEET 316	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 21
PLOT DATE : 7/21/2023 11:12 AM
PLOT BY : AUSTIN STRAHL
PLOT NAME :
PLOT SCALE : 1 IN:200 FT

LEGEND
- DELINEATED WETLAND BOUNDARY
- SLOPE INTERCEPT
- X CLEARING AND GRUBBING

NOTES
SEE USH 53 MAINLINE SHEETS FOR DRAINAGE PIPES THAT CROSS BOTH THE USH 53 MAINLINE AND RAMP

* SEE RAMP TRANSITION DETAIL

CURVE NO. 29 'BD'
PI STA = 2448+46.80
Y = 151786.45
X = 158727.37
PC STA = 2446+85.99
Y=151625.99
X=158716.70
PT STA = 2450+06.28
Y=151945.28
X=158702.18
DELTA = 12°48'42"
D = 4°00'00"
T = 160.82'
L = 320.29'
R = 1432.39'
EXISTING SE = 6.0%
PROPOSED SE = 6.0%
SE TRANSITION (T) = 213'
RO (RUNOFF) = 160'

STA 2458+35.66'BD' = STA 308+70.89
Y=152,764.441
X=158,572.299

END CONSTRUCTION STA 2457+18.00'BD'
* MATCH EXISTING SAWCUT REQ'D

BP: 2436+76.89'BD'
PC: 2446+85.99'BD'
PT: 2450+06.28'BD'

ASTREA (COMMUNICATION)
BRIGHTSPEED OF NORTHERN WISCONSIN (COMMUNICATION)

RHONDA BLESKEY ETAL
RICHARD A GEISSLER
LARRY H & JULIE A GEISSLER
BRYAN E & CINDY L NAYES
CRAIG M & CAROL A BOWE
QP INVESTORS LLC

2440'BD' N3° 48' 07"E 2445'BD' CURVE 29 2450'BD' N9° 00' 35"W 2455'BD' 2460'BC'

USH 53 SB/CTH B ENTRANCE
USH 53 SB/CTH B EXIT
USH 53 SB
USH 53 NB
USH 53 NB/CTH B EXIT
USH 53 NB/CTH B ENTRANCE
CTH B

1495'BA' 1500'BA' 1505'BA' 1515'BB'

PERM EASE
UNNAMED CREEK
R/W
FO
UGP
OHP

VPC STA 2455+13.15 VPC EL 988.36
VPI STA 2455+86.36 VPI EL 992.72
VPT STA 2456+59.58 VPT EL 995.54
VPC STA 2448+29.94 VPC EL 959.51
VPI STA 2450+54.94 VPI EL 961.07
VPT STA 2452+79.94 VPT EL 974.47

FOR GRAPHICAL PURPOSE ONLY
VCL = 450.00
K = 85.48
VCL = 146.42
K = 69.60
0.69%
3.85%
3.65%
5.96%
EXISTING GROUND
FINISHED PROFILE
EXISTING GROUND ELEVATION AT R/L
FINISHED PROFILE ELEVATION AT R/L

2436	949.02	948.84		
2437				
2438	949.66	949.42		
2439	950.40	950.20		
2440	951.36	951.14		
2441	952.50	952.26		
2442	953.72	953.42		
2443	954.90	954.58		
2444	956.02	955.74		
2445	957.05	956.90		
2446	957.81	957.93		
2447	958.59	958.61		
2448	959.32	959.30	959.51	
2449	960.39	960.28		
2450	962.72	962.38	961.07	
2451	966.06	965.64		
2452	970.56	970.08		
2453	976.11	975.66	974.47	
2454	982.03	981.62		
2455	987.89	987.57	988.36	
2456	993.24	992.99	992.72	
2457	997.20	997.01	995.54	
2458	999.51			
2459				

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PLAN AND PROFILE: USH 53 SB/CTH B ENTRANCE	SHEET 317	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 22
PLOT DATE : 7/21/2023 11:14 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:200 FT

LEGEND

DELINEATED WETLAND BOUNDARY

SLOPE INTERCEPT

X CLEARING AND GRUBBING

NOTES

SEE USH 53 MAINLINE SHEETS FOR DRAINAGE PIPES THAT CROSS BOTH THE USH 53 MAINLINE AND RAMP

* SEE RAMP TRANSITION DETAIL

N

5

5

RICHARD A GEISSLER
LARRY H & JULIE A GEISSLER

JAMES & LYNN STOFFEL

R/W

BB515T

USH 53 SB/CTH B EXIT

USH 53 NB/CTH B ENTRANCE

BEGIN CONSTRUCTION
STA 2459+52.00'BC'
* MATCH EXISTING
SAWCUT REQ'D

2460'BC'

BRIGHTSPEED OF NORTHERN WISCONSIN
(COMMUNICATION)

BRIGHTSPEED OF NORTHERN WISCONSIN
(COMMUNICATION)

STA 319+28, LT&RT
EXISTING 24" CPCM TO REMAIN

PT: 308+10.74

304 306 CURVE 30 308 N88° 20' 46"E 310 CTH B 312 314 316 318

BEGIN CONSTRUCTION
STA 1511+25.00'BB'
* MATCH EXISTING
SAWCUT REQ'D

STA 314+70.89 =
STA 1510+28.96'BB'
Y=152,781.759
X=159,172.049

Y = 152785.489
X = 159301.211

STA 308+70.89 =
STA 2458+35.66'BD'
Y=152,764.441
X=158,572.299

STA 308+70.89 =
STA 2458+13.48'BC'
Y=152,764.441
X=158,572.299

END CONSTRUCTION
STA 2457+18.00'BD'
* MATCH EXISTING
SAWCUT REQ'D

END CONSTRUCTION
STA 1509+94.00'BA'
* MATCH EXISTING
SAWCUT REQ'D

1510'BA'

STA 314+70.89 =
STA 1511+07.45'BA'
Y=152,781.759
X=159,172.049

CP/BM #506
Y = 152,732.87
X = 159,317.84
ELEV = 972.14
FENO 1000 W/ ALUMINUM CAP SET

USH 53 SB

USH 53 NB

2455'BD'

ASTREA
(COMMUNICATION)

CURVE NO. 30
PI STA = 305+56.59
Y = 152755.17
X = 158251.18
PC STA = 302+95.48
Y=152849.72
X=158007.79
PT STA = 308+10.74
Y=152762.70
X=158512.18
DELTA = 22°53'06"
D = 4°26'30"
T = 261.11'
L = 515.25'
R = 1290.00'
PROPOSED SE = 5.9%
SE TRANSITION (T) = 202'
RO (RUNOFF) = 151'

LARRY H & JULIE A GEISSLER

QP INVESTORS LLC

POST

SIGN

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PLAN: CTH B	SHEET 318	E

Standard Detail Drawing List

08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-23A	CONCRETE CURB & GUTTER
08D01-23B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D02-08A	CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES
08D02-08B	CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES
08D02-08C	CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES
08D04-07	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D15-05A	EDGEDRAIN OUTLET AND OUTFALL MARKERS
08D15-05B	EDGEDRAIN AND BASE AGGREGATE OPEN GRADED
08D15-05C	EDGEDRAIN AND BASE AGGREGATE OPEN GRADED
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F06-04	REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN
08F07-05	STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE DRAINS
09B02-10	CONDUIT
09B04-12	PULL BOX
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09E02-05	FREEWAY LIGHTING UNIT POLE WIRING
10A01-04	ELECTRICAL HANDHOLE WIRING
11A01-06	MAINTENANCE CROSSOVER FOR FREEWAYS
11B02-02	CONCRETE MEDIAN NOSE
12A03-10	NAME PLATE (STRUCTURES)
13A03-07	CONCRETE PAVEMENT SHOULDERS
13A05-06A	SHOULDER RUMBLE STRIPS, DIVIDED ROADWAY
13A05-06B	SHOULDER RUMBLE STRIPS, DIVIDED ROADWAY
13B02-09A	CONCRETE PAVEMENT APPROACH SLAB
13B02-09B	STRUCTURAL APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C11-14A	RURAL DOWELED CONCRETE PAVEMENT
13C11-14B	RURAL DOWELED CONCRETE PAVEMENT
13C18-08A	CONCRETE PAVEMENT JOINTING
13C18-08B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-08C	CONCRETE PAVEMENT JOINT TYPES
13C18-08D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
13C18-08E	CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS
13C18-08F	CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER
13C18-08G	CONCRETE PAVEMENT JOINTING ACCELERATION/DECELERATION LANE
14B07-16A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16I	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16J	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16K	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16L	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16M	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16N	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B08-02A	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02B	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02C	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02D	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02E	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B15-11A	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-11B	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-11C	STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS
14B16-04A	ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2

6

Standard Detail Drawing List

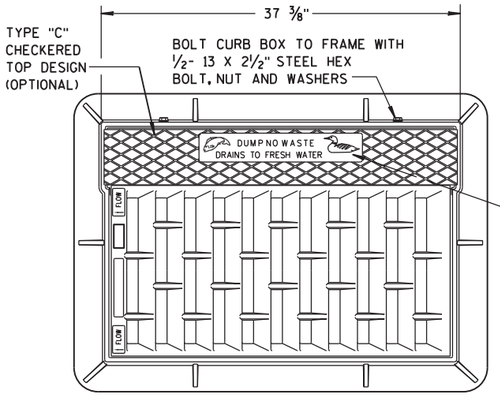
14B16-04B	ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2
14B18-06A	STEEL PLATE BEAM GUARD, CLASS "A" (AT BRIDGES, OBSTACLES AND SIDEROADS/DRIVEWAYS)
14B18-06B	STEEL PLATE BEAM GUARD, CLASS "A" AT MEDIAN APPROACH TO BRIDGES
14B20-12A	STEEL THRIE BEAM STRUCTURE APPROACH
14B24-09A	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-09B	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-09C	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B25-01	STEEL PLATE BEAM GUARD, CLASS "A", OVER LOW FILL CULVERTS
14B26-05A	STEEL THRIE BEAM BULLNOSE TERMINAL
14B26-05B	STEEL THRIE BEAM BULLNOSE TERMINAL
14B26-05C	STEEL THRIE BEAM BULLNOSE TERMINAL
14B26-05D	STEEL THRIE BEAM BULLNOSE TERMINAL
14B26-05E	STEEL THRIE BEAM BULLNOSE TERMINAL
14B26-05F	STEEL THRIE BEAM BULLNOSE TERMINAL
14B26-05G	STEEL THRIE BEAM BULLNOSE TERMINAL
14B26-05H	STEEL THRIE BEAM BULLNOSE TERMINAL
14B29-01	SAFETY EDGE
14B42-07A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B43-04A	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B43-04B	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B43-04C	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-05A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05D	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05E	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05F	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05G	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05H	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05I	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05J	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05K	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05L	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B47-05A	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05B	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05C	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05D	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05E	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05F	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05G	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B50-01A	THRIE BEAM APPROACH RETROFIT INSTALLATION OF MISSING POST
14B50-01B	THRIE BEAM APPROACH RETROFIT INSTALLATION OF MISSING POST
14B50-01C	THRIE BEAM APPROACH RETROFIT INSTALLATION OF MISSING POST
14B53-02A	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-02B	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-02C	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-02D	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-02E	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-02F	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-02G	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-02H	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-02I	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15A04-07A	FLEXIBLE DELINEATOR POST
15A04-07C	DELINEATOR BRACKET WITH REFLECTIVE SHEETING
15A04-07D	CHANNELIZING DEVICES, PERMANENT FLEXIBLE TUBULAR MARKER POST
15A04-07E	DELINEATOR POST WITH REFLECTIVE SHEETING
15B01-08A	FENCE WOVEN WIRE
15B01-08B	FENCE WOVEN WIRE
15B03-15A	FENCE CHAIN LINK

6

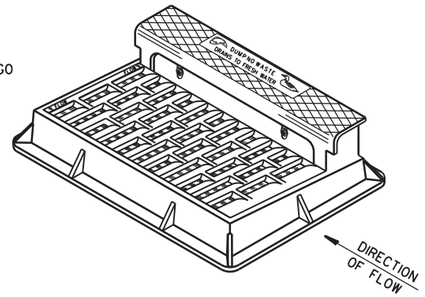
Standard Detail Drawing List

15B03-15B	FENCE CHAIN LINK
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-09D	ON RAMP LANE CLOSURE
15C02-09E	OFF RAMP LANE CLOSURE
15C02-09F	ADVANCED WIDTH RESTRICTION SIGNING
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-23C	PAVEMENT MARKING (TURN LANES)
15C08-23D	PAVEMENT MARKING (TURN LANES)
15C11-10A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C19-08C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C20-02	YIELD MARKING
15C31-05A	PAVEMENT MARKING EXIT RAMP AND PARALLEL EXIT RAMP
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-06A	PAVEMENT MARKING (INTERSECTIONS)
15D05-06	TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER
15D06-06	TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION
15D07-06	TRAFFIC CONTROL, TEMPORARY EXIT RAMP CROSSOVER
15D08-09	TRAFFIC CONTROL, TEMPORARY ENTRANCE RAMP CROSSOVER
15D09-07	TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT
15D11-09	TRAFFIC CONTROL, SINGLE LANE CROSSOVER
15D12-11A	TRAFFIC CONTROL, LANE CLOSURE
15D12-11B	TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION
15D12-11D	TRAFFIC CONTROL, LANE CLOSURE, BASIC TRAFFIC QUEUE WARNING SYSTEM
15D13-02	TEMPORARY EMERGENCY PULLOUTS
15D15-07A	TRAFFIC CONTROL, PARALLEL ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-07B	TRAFFIC CONTROL, ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-07C	TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-07D	TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-07E	TRAFFIC CONTROL, PARALLEL EXIT RAMP WITHIN LANE CLOSURE
15D16-06	TRAFFIC CONTROL, EXIT RAMP CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D29-06	TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD
15D35-03A	RAMP GATE HARD WIRED
15D35-03B	RAMP GATE HARD WIRED
15D35-03C	RAMP GATE HARD WIRED
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
15D40-05A	TRAFFIC CONTROL, FULL LANE SHIFT NON-FREEWAY OR MULTILANE DIVIDED 45 MPH AND UNDER
15D40-05B	TRAFFIC CONTROL, FULL LANE SHIFT MULTILANE DIVIDED 50 MPH AND OVER

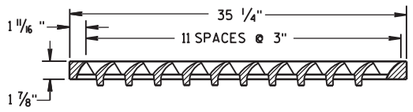
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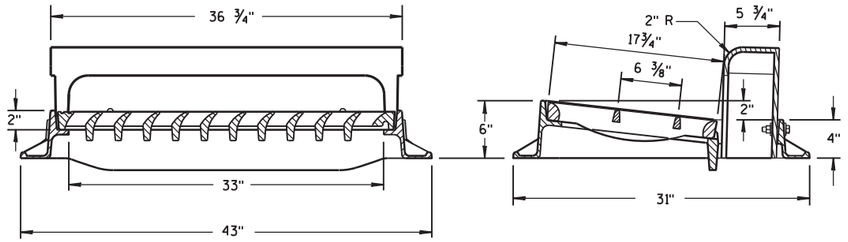


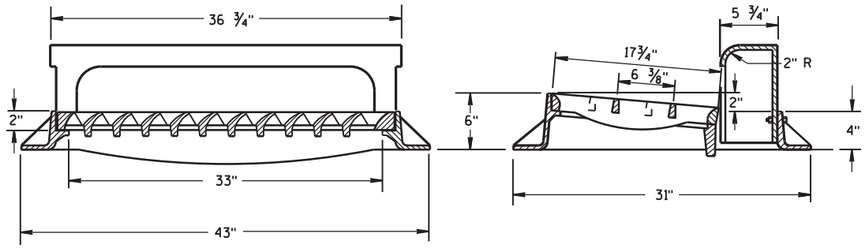
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

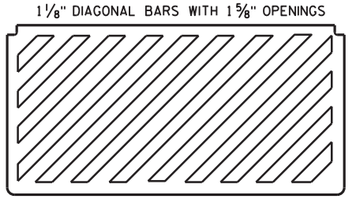






TYPE "H"

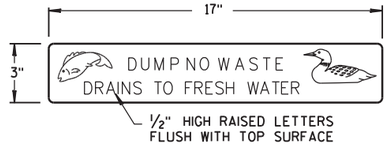
NOTE: EITHER CASTING IS ACCEPTABLE



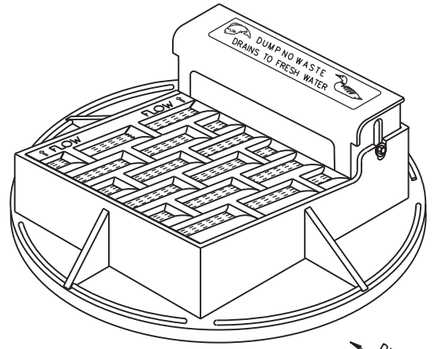
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

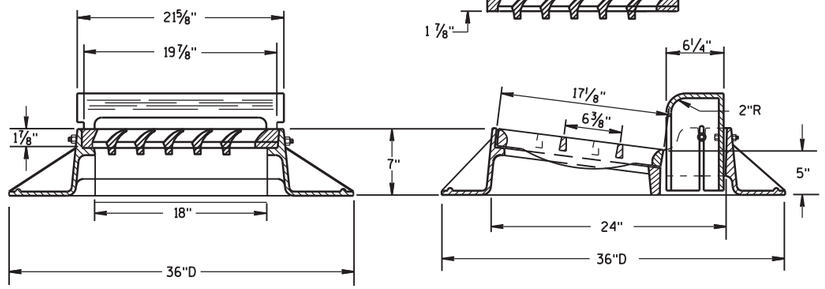


LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

NOTE:
GRATE IS REVERSIBLE.



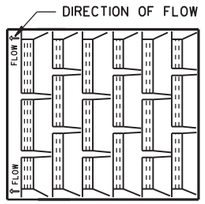
TYPE "A"

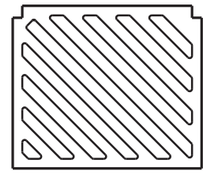
GENERAL NOTES

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.

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

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

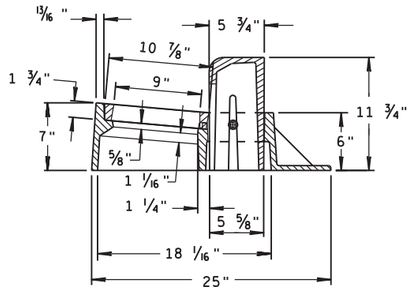


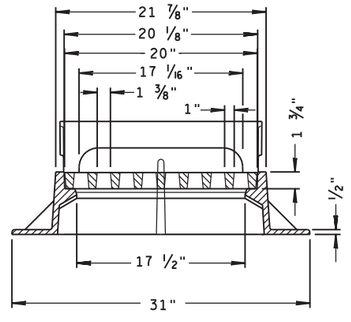


SPECIAL GRATE FOR TYPE "A" COVER

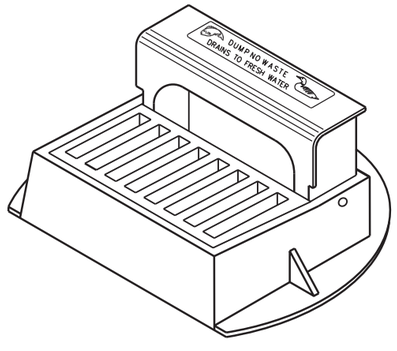
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)





TYPE "Z"



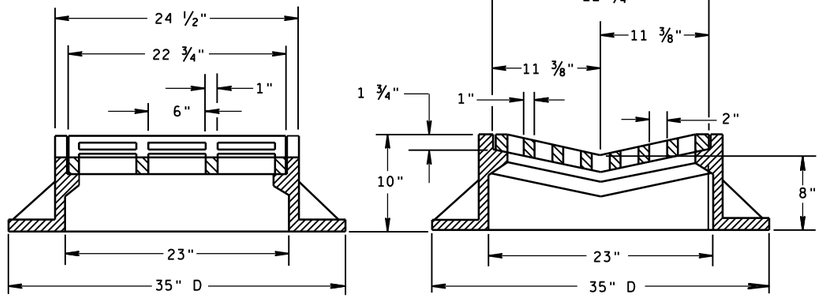
INLET COVERS TYPE A, H, A-S, H-S & Z

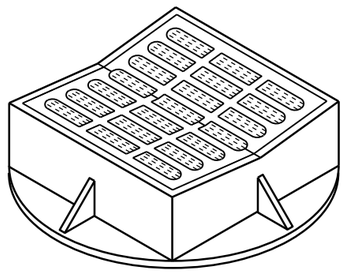
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

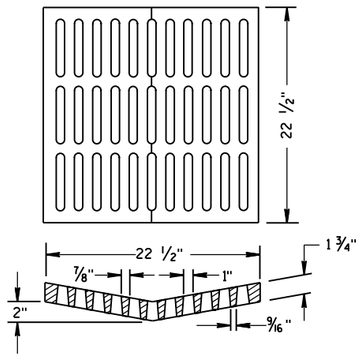
6

S.D.D. 8 A 5-19a



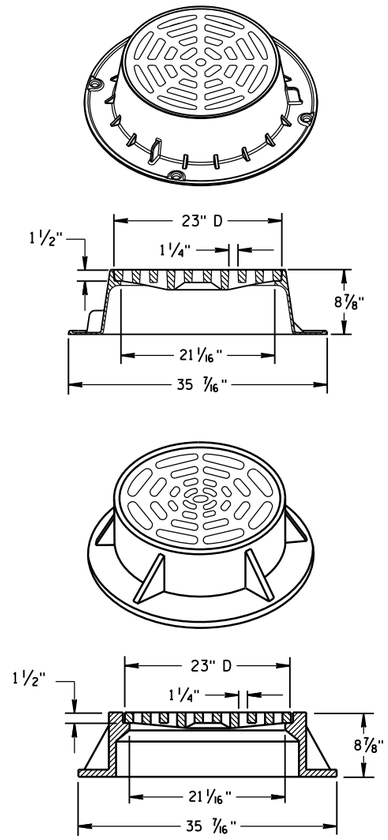


TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.
NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

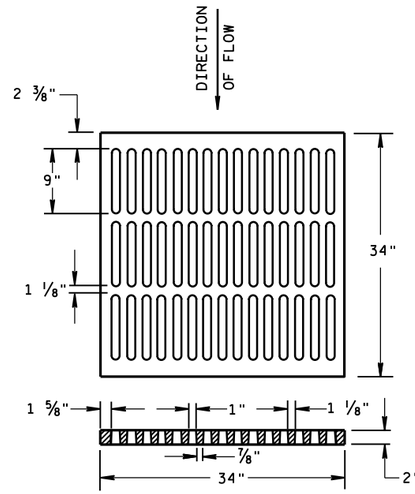
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

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

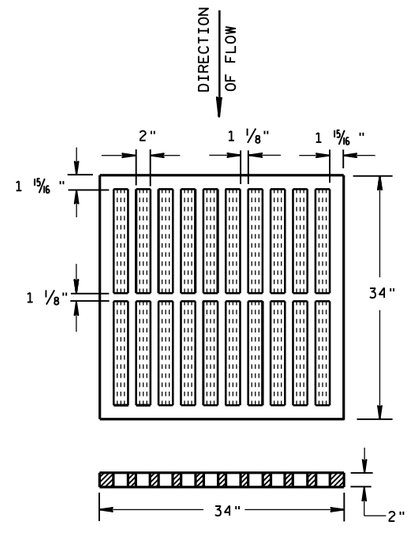
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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



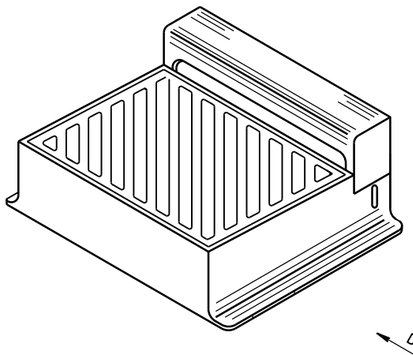
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE



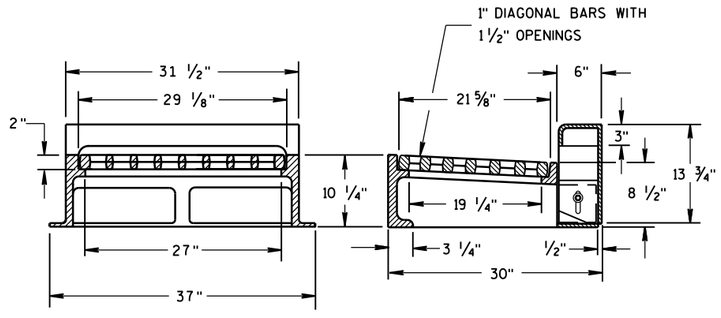
TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



DIRECTION OF FLOW

DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

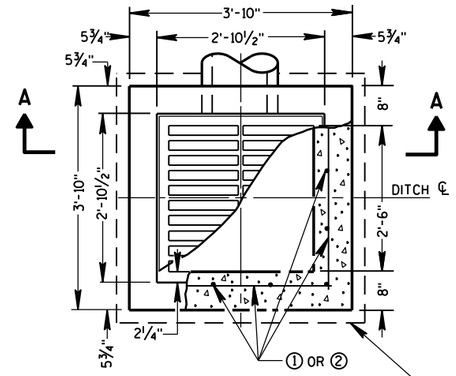
INLET COVERS
TYPE B, B-A, C,
MS, MS-A, & WM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

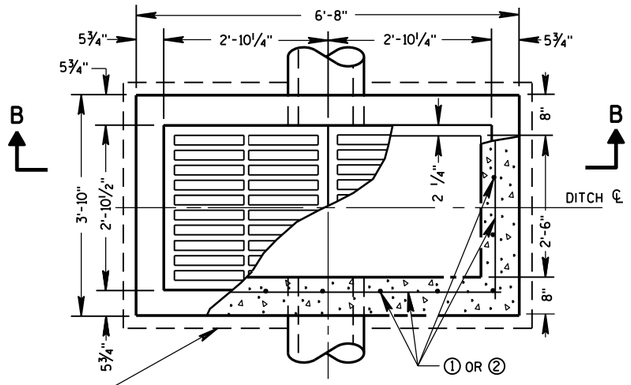
APPROVED
11/27/2013
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 A 5-19b

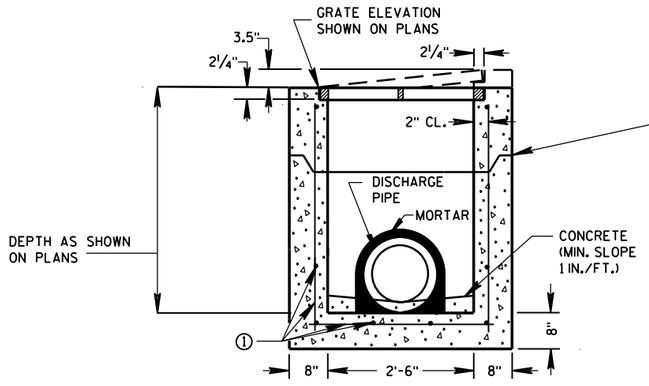


PLAN VIEW

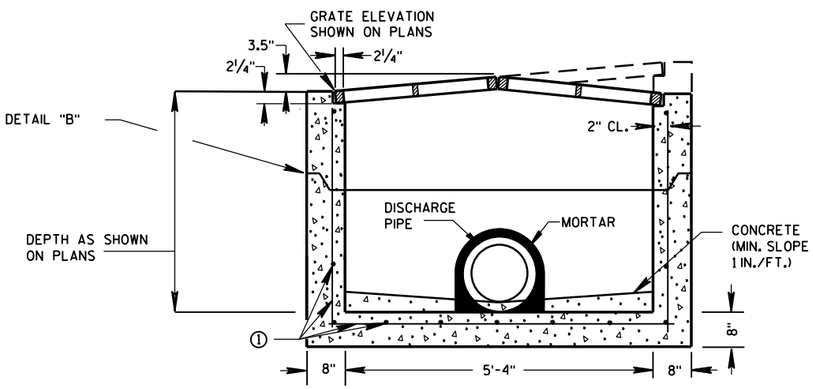


PLAN VIEW

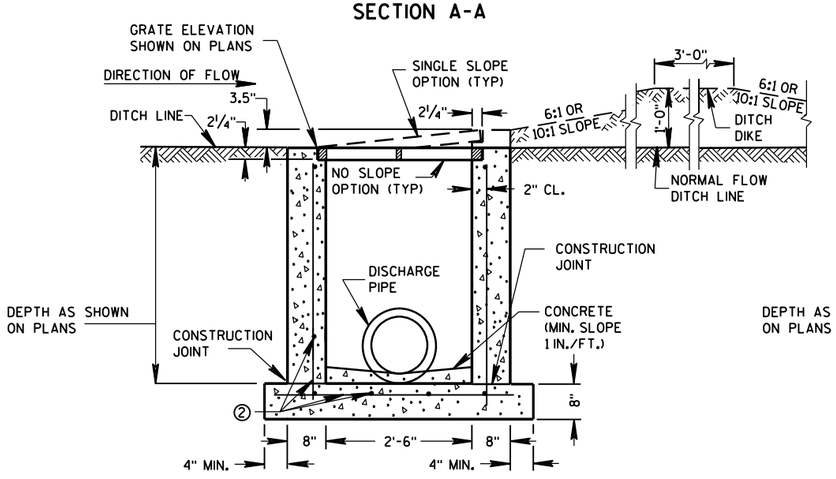
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



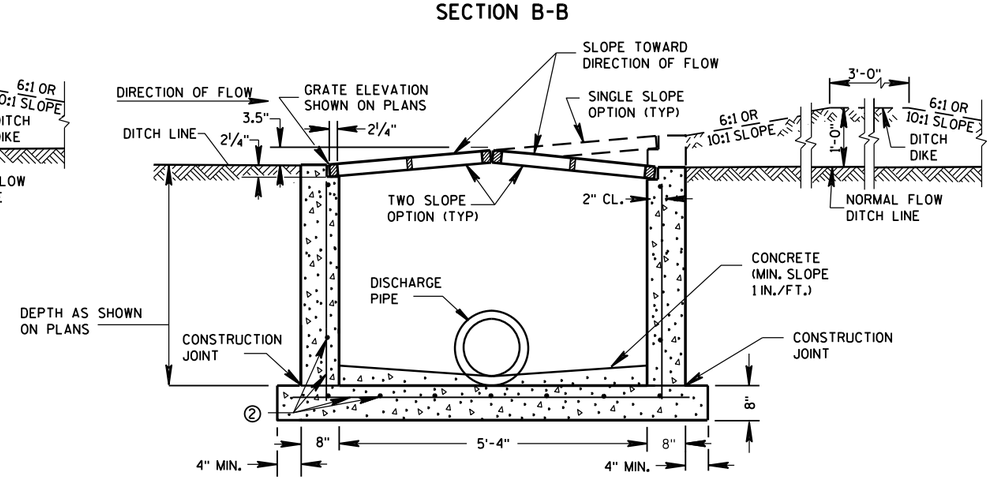
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

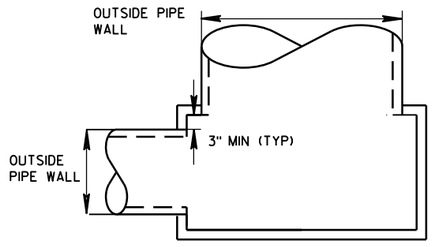
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

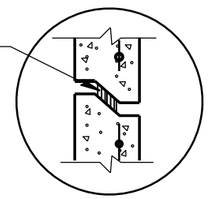
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



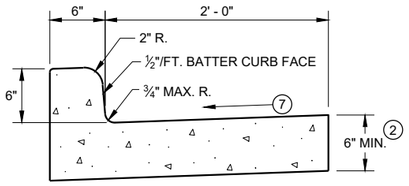
DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

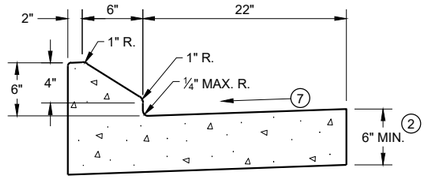
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVI ENT
FHWA

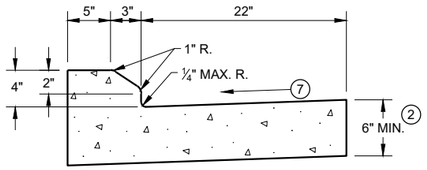
6
S.D.D. 8 C 8-2



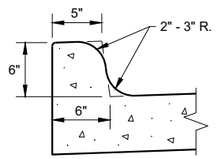
TYPES A (1) & D



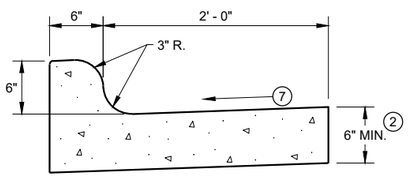
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

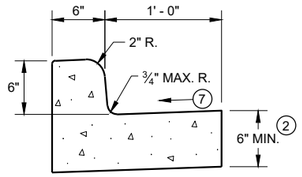


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



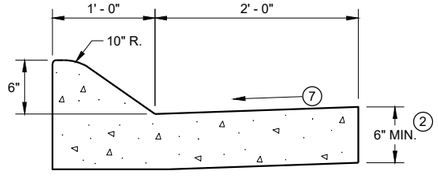
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

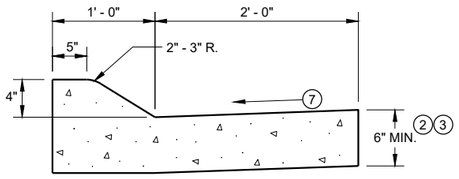


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

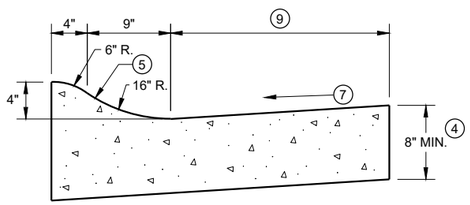


6" SLOPED CURB TYPES A (1) & D



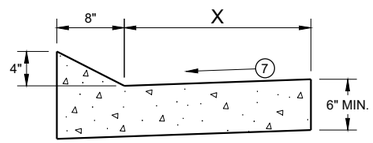
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

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

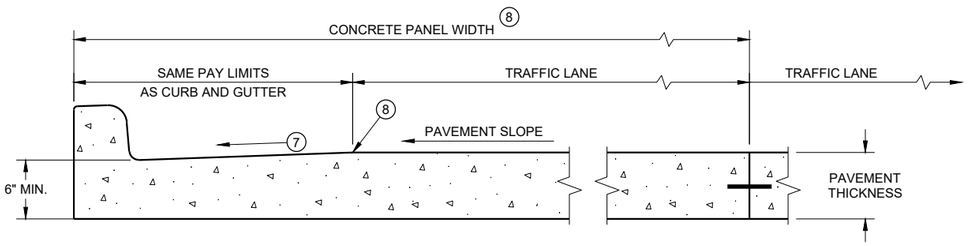


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

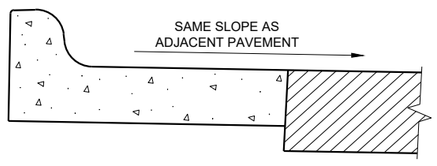
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



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

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

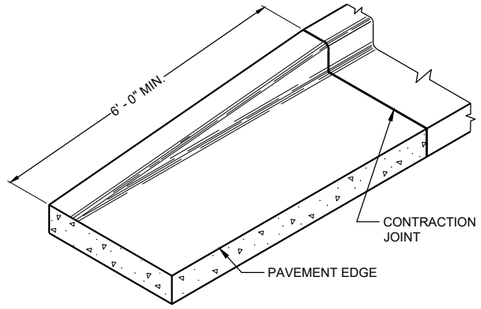
(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

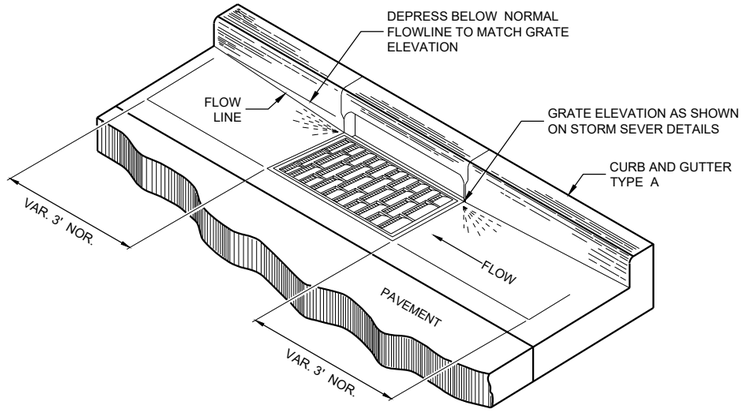
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D01 - 23a
SDD 08D01 - 23a



END SECTIONCURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS

(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

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

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

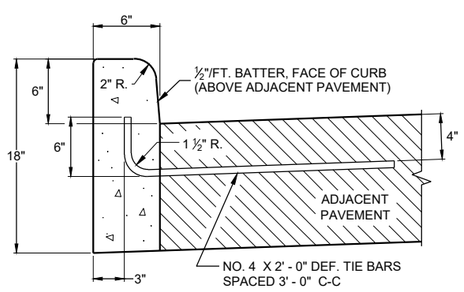
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

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

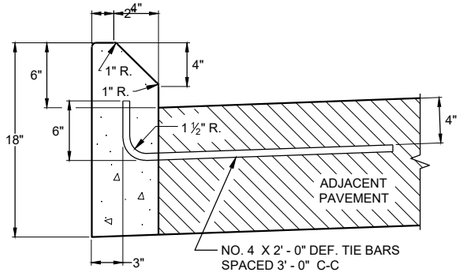
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

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

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

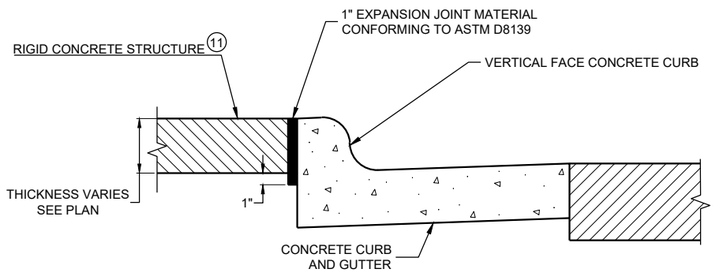


TYPES A(1) & D

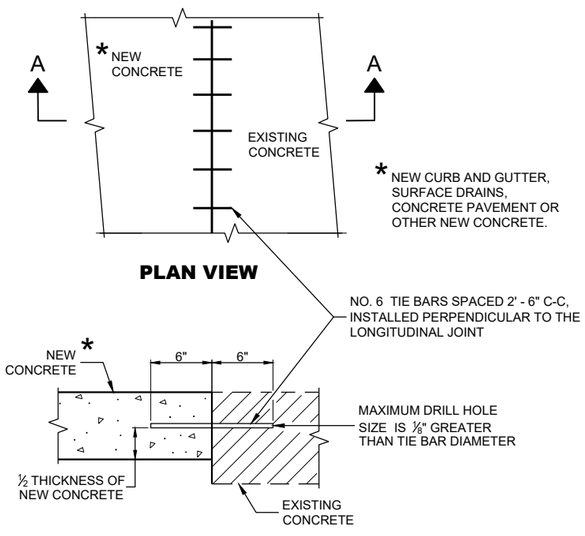


TYPES G(1) & J

CONCRETE CURB



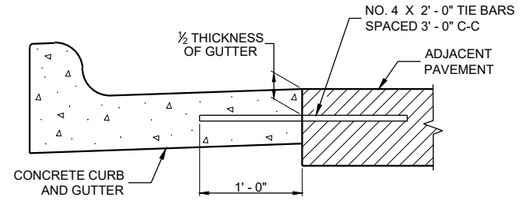
EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE(11)



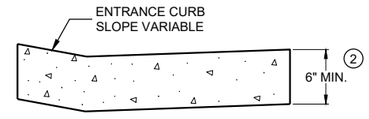
PLAN VIEW

SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION(1)



DRIVEWAY ENTRANCE CURB(10)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

SDD08D01 - 23b

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.

ALL STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

(1) USE A JOINT SEALANT CONFORMING TO STANDARD SPECIFICATION 415.2.6.

(2) NO. 4 X 2' - 0" TIE BARS SPACED AT 12" C-C TO BE PLACED BY BRIDGE CONTRACTOR OR DRILLED TIE BARS PLACED AS DIRECTED BY THE ENGINEER.

(3) PAVED CONCRETE SHOULDER (SDD 13A03) OR CONCRETE DRAINAGE SLAB.

(4) CONCRETE PAVEMENT APPROACH SLAB (SHOWN) OR STRUCTURE APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB. SEE SDD 13B02.

(5) PAVED CONCRETE SHOULDER (SDD 13A03) OR ASPHALT SHOULDER.

(6) CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE TBT OR TBTT. USE TYPE TBTT CURB WITH NO. 4 X 2' -0" TIE BARS SPACED AT 3' - 0" C-C ONLY WHEN ADJACENT TO CONCRETE PAVEMENTS.

(7) PLACE FLUME BEFORE MSG THRIE BEAM TRANSITION POST 1 (SEE SDD 14B45)

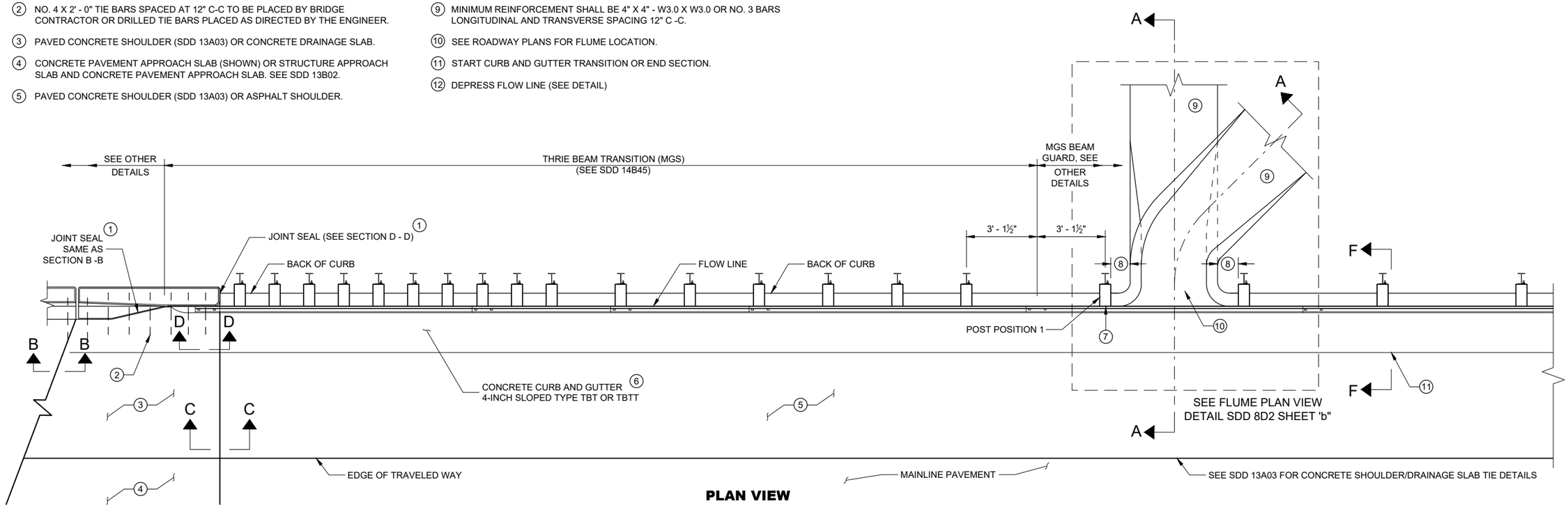
(8) CENTER FLUME BETWEEN POSTS. 6-INCH MINIMUM SEPARATION FROM OUTSIDE EDGE OF FLUME TO POSTS.

(9) MINIMUM REINFORCEMENT SHALL BE 4" X 4" - W3.0 X W3.0 OR NO. 3 BARS LONGITUDINAL AND TRANSVERSE SPACING 12" C -C.

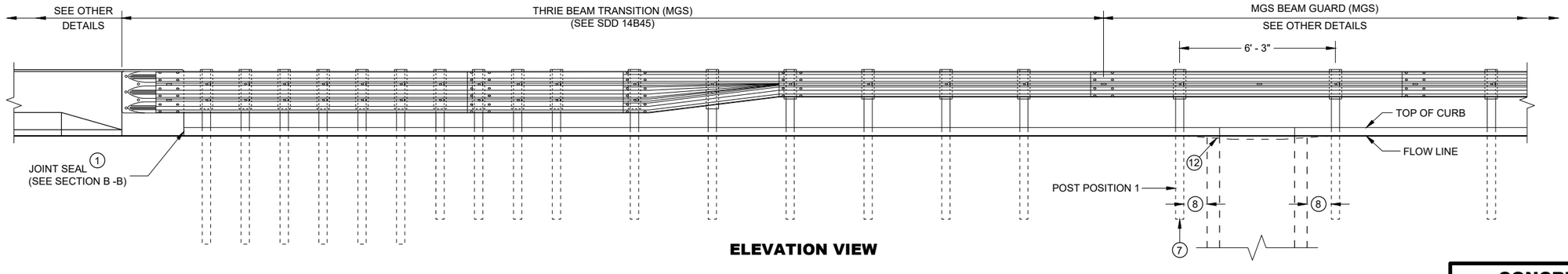
(10) SEE ROADWAY PLANS FOR FLUME LOCATION.

(11) START CURB AND GUTTER TRANSITION OR END SECTION.

(12) DEPRESS FLOW LINE (SEE DETAIL)



PLAN VIEW



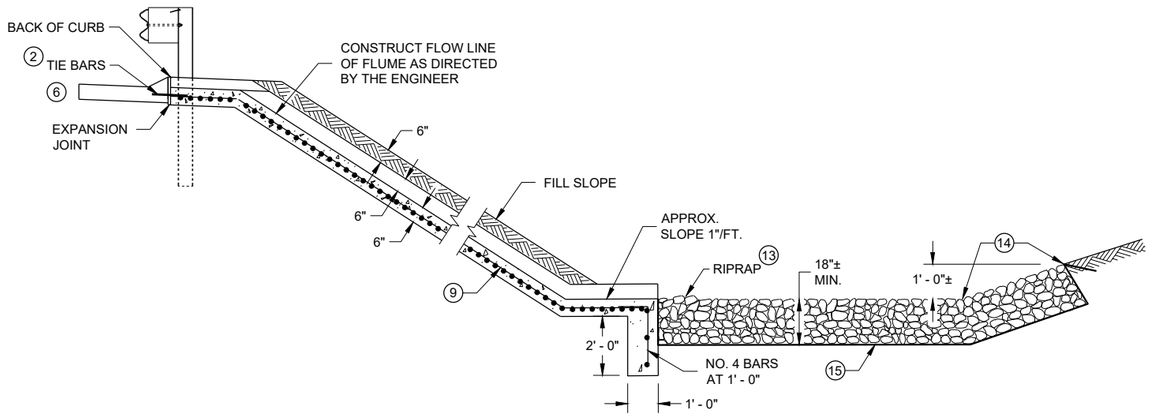
ELEVATION VIEW

CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES

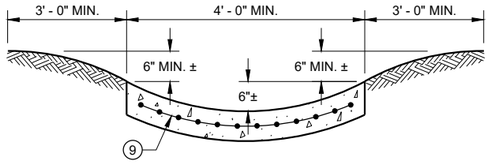
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

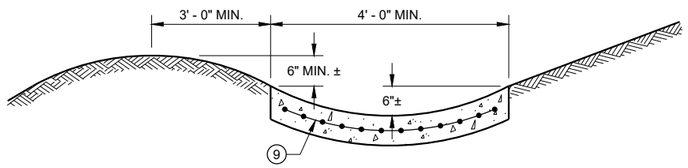
SDD 08D02 - 08a



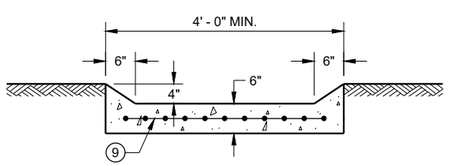
SECTION A - A



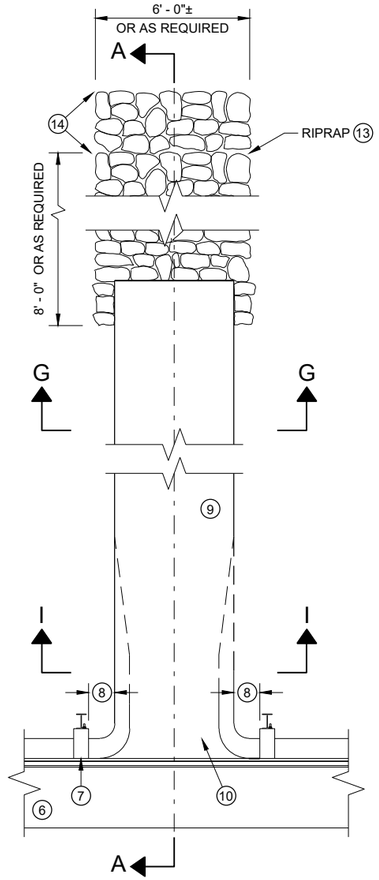
SECTION G - G



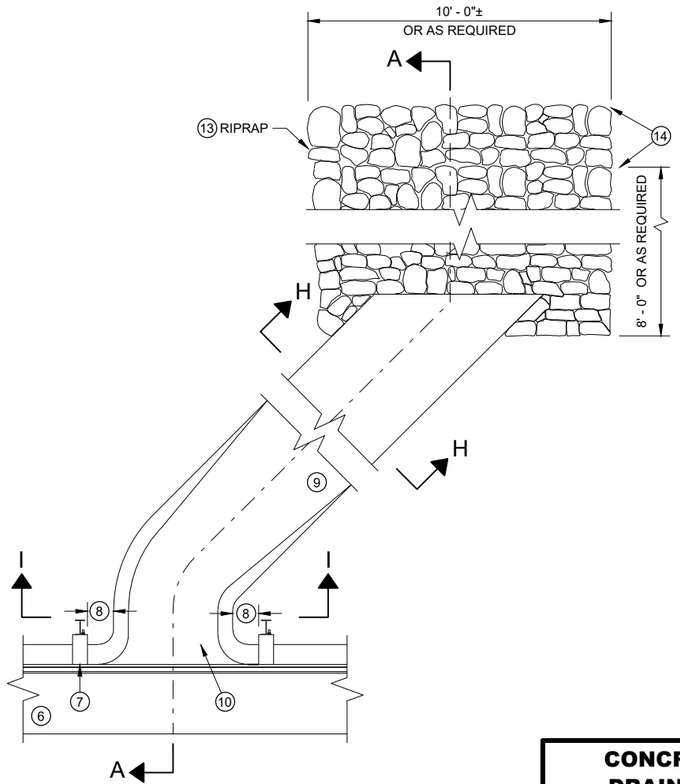
SECTION H - H



SECTION I - I



PLAN VIEW PERPENDICULAR FLUME



PLAN VIEW SKEWED FLUME

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.

ALL STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

(1) USE A JOINT SEALANT CONFORMING TO STANDARD SPECIFICATION 415.2.6.

(2) NO. 4 X 2' - 0" TIE BARS SPACED AT 12" C-C TO BE PLACED BY BRIDGE CONTRACTOR OR DRILLED TIE BARS PLACED AS DIRECTED BY THE ENGINEER.

(3) PAVED CONCRETE SHOULDER (SDD 13A03) OR CONCRETE DRAINAGE SLAB.

(4) CONCRETE PAVEMENT APPROACH SLAB (SHOWN) OR STRUCTURE APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB. SEE SDD 13B02 AND STRUCTURE PLANS.

(5) PAVED CONCRETE SHOULDER (SDD 13A03) OR ASPHALT SHOULDER.

(6) CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE TBT OR TBTT. USE TYPE TBTT CURB WITH NO. 4 X 2' -0" TIE BARS SPACED AT 3' - 0" C-C ONLY WHEN ADJACENT TO CONCRETE PAVEMENTS.

(7) PLACE FLUME BEFORE MSG THRIE BEAM TRANSITION POST 1 (SEE SDD 14B45)

(8) CENTER FLUME BETWEEN POSTS. 6-INCH MINIMUM SEPARATION FROM OUTSIDE EDGE OF FLUME TO POSTS.

(9) MINIMUM REINFORCEMENT SHALL BE 4" X 4" - W3.0 X W3.0 OR NO. 3 BARS LONGITUDINAL AND TRANSVERSE SPACING 12" C -C.

(10) SEE ROADWAY PLANS FOR FLUME LOCATION.

(11) START CURB AND GUTTER TRANSITION OR END SECTION.

(12) DEPRESS FLOW LINE (SEE DETAIL)

(13) MEDIUM RIPRAP UNLESS OTHERWISE SPECIFIED.

(14) LIMITS OF ADDITIONAL RIPRAP WHEN SPECIAL DITCH AS REQUIRED.

(15) GEOTEXTILE TYPE HR.

6

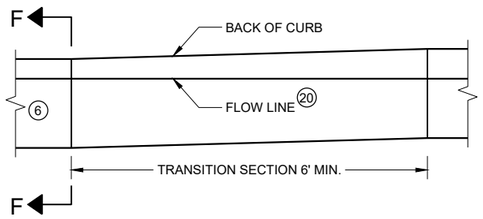
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SDD 08D02 - 08b

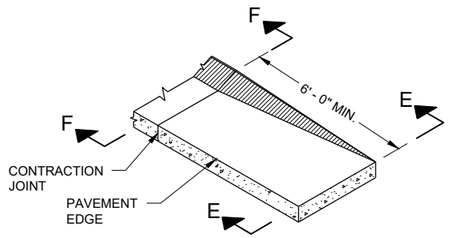
SDD 08D02 - 08b

CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES

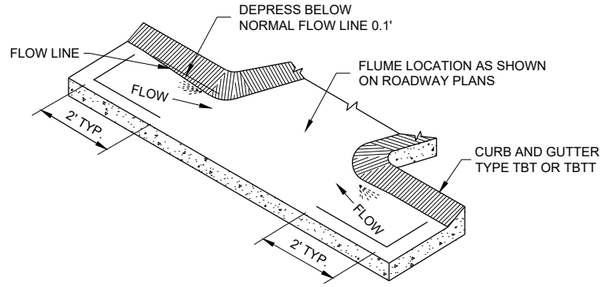
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTAT



**CURB AND GUTTER TRANSITION SECTION
CONCRETE CURB AND GUTTER 4-INCH SLOPED
36 INCH TYPE TBT OR TBTT**



**CURB AND GUTTER END SECTION
CONCRETE CURB AND GUTTER 4-INCH SLOPED
36 INCH TYPE TBT OR TBTT**



**CURB AND GUTTER FLOW LINE DEPRESSION
AT FLUMES CONCRETE CURB AND GUTTER
4-INCH SLOPED 36 INCH TYPE TBT OR TBTT**

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.

ALL STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

(1) USE A JOINT SEALANT CONFORMING TO STANDARD SPECIFICATION 415.2.6.

(2) NO. 4 X 2' - 0" TIE BARS SPACED AT 12" C-C TO BE PLACED BY BRIDGE CONTRACTOR OR DRILLED TIE BARS PLACED AS DIRECTED BY THE ENGINEER.

(3) PAVED CONCRETE SHOULDER (SDD 13A03) OR CONCRETE DRAINAGE SLAB.

(4) CONCRETE PAVEMENT APPROACH SLAB (SHOWN) OR STRUCTURE APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB. SEE SDD 13B02 AND STRUCTURE PLANS.

(5) PAVED CONCRETE SHOULDER (SDD 13A03) OR ASPHALT SHOULDER.

(6) CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE TBT OR TBTT. USE TYPE TBTT CURB WITH NO. 4 X 2' -0" TIE BARS SPACED AT 3' - 0" C-C ONLY WHEN ADJACENT TO CONCRETE PAVEMENTS.

(7) PLACE FLUME BEFORE MSG THRIE BEAM TRANSITION POST 1 (SEE SDD 14B45)

(8) CENTER FLUME BETWEEN POSTS. 6-INCH MINIMUM SEPARATION FROM OUTSIDE EDGE OF FLUME TO POSTS.

(9) MINIMUM REINFORCEMENT SHALL BE 4" X 4" - W3.0 X W3.0 OR NO. 3 BARS LONGITUDINAL AND TRANSVERSE SPACING 12" C -C.

(10) SEE ROADWAY PLANS FOR FLUME LOCATION.

(11) START CURB AND GUTTER TRANSITION OR END SECTION.

(12) DEPRESS FLOW LINE (SEE DETAIL)

(13) MEDIUM RIPRAP UNLESS OTHERWISE SPECIFIED.

(14) LIMITS OF ADDITIONAL RIPRAP WHEN SPECIAL DITCH IS REQUIRED.

(15) GEOTEXTILE TYPE HR.

(16) MINIMUM REINFORCEMENT SHALL BE 6" X 6" - W4.0 X W4.0 OR NO. 3 BARS LONGITUDINAL AND TRANSVERSE SPACING 12" C - C.

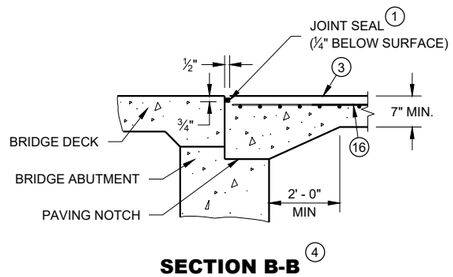
(17) MSG THRIE BEAM TRANSITION POST 1. SEE SDD 14B45 FOR ADDITIONAL CONSTRUCTION DETAILS AND ACCEPTABLE MATERIALS.

(18) MAINTAIN WIDTH, THICKNESS AND CROSS SLOPE OF ADJACENT TYPE TBT OR TBTT CURB. SEE NOTE 6 FOR TIE BAR SPACING.

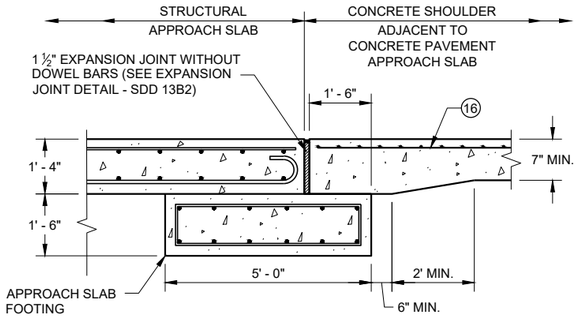
(19) ALIGN FACE OF POST BLOCK WITH FLOW LINE.

(20) MAINTAIN FLOW LINE AT EDGE OF PAVEMENT/FACE OF BEAM GUARD AS APPLICABLE.

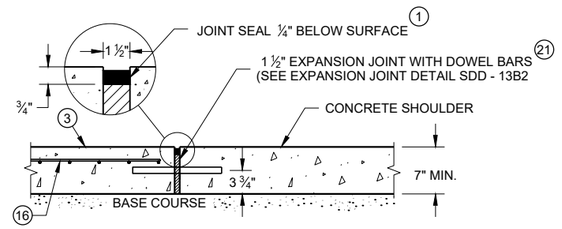
(21) DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING HMA PAVEMENTS.



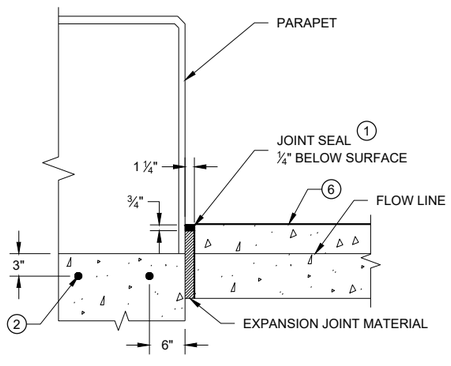
SECTION B-B (4)



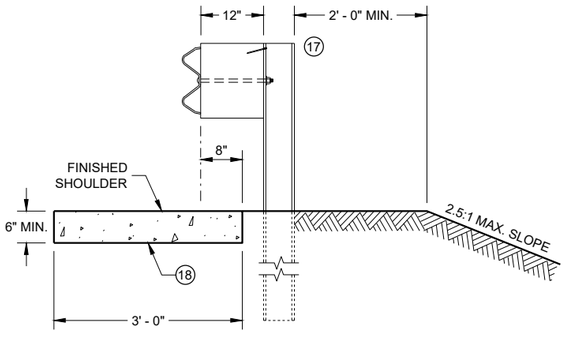
SECTION C - C
JOINT DETAIL FOR BRIDGE WITH STRUCTURAL APPROACH SLAB AND CONCRETE APPROACH SLAB



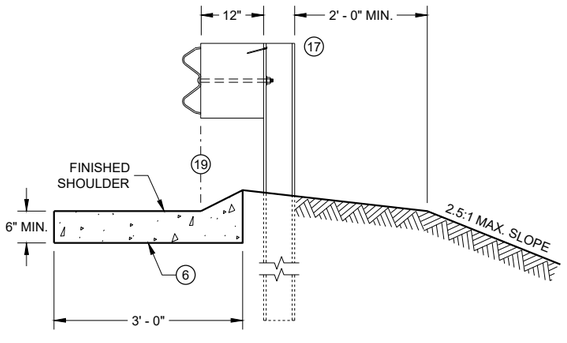
SECTION C - C
JOINT DETAIL FOR BRIDGE APPROACH WITH CONCRETE SHOULDERS



SECTION D - D



SECTION E - E



SECTION F - F

CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

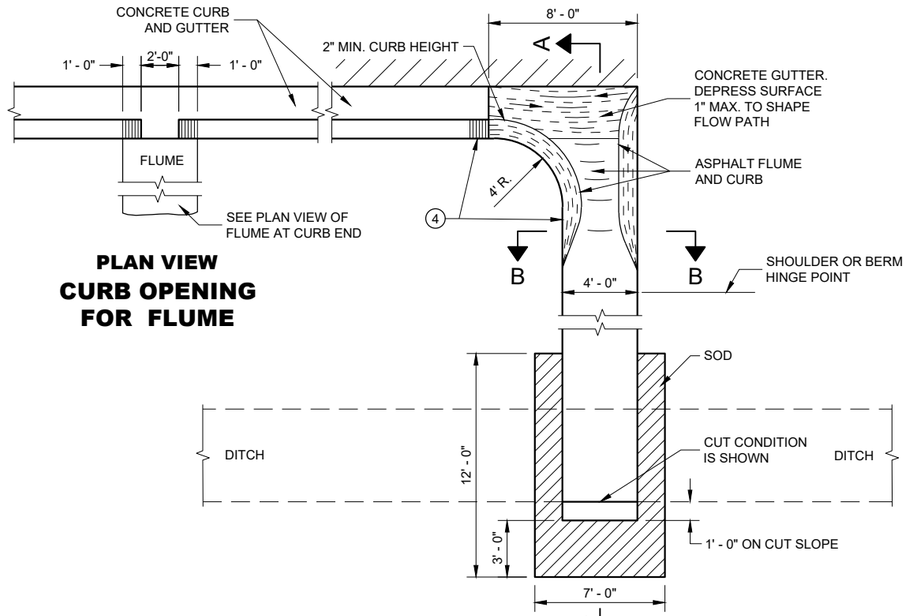
SDD 08D02 - 08c

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SDD 08D02 - 08c

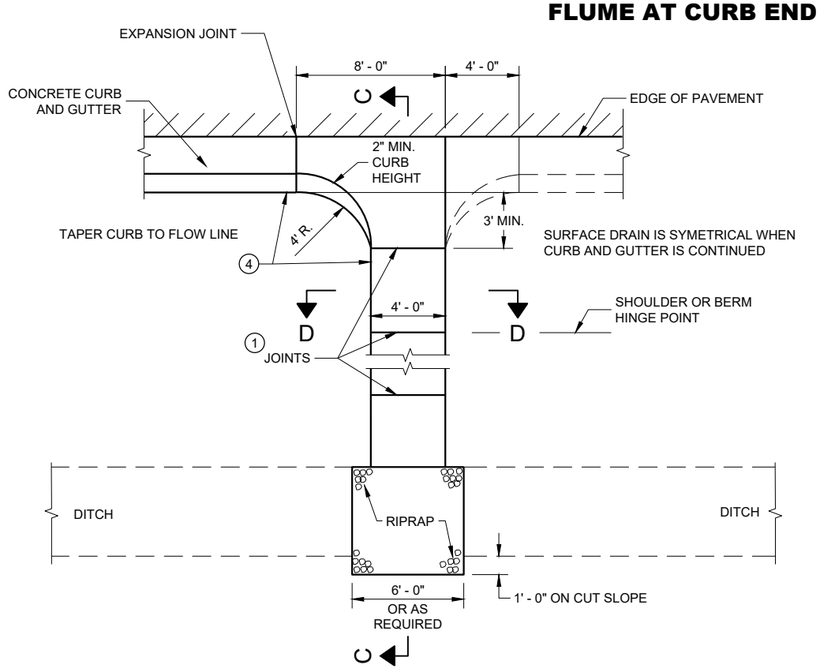
NOTE: TAPER CURB ENDS TO GUTTER IN 1' - 0"

ASPHALTIC FLUME



PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



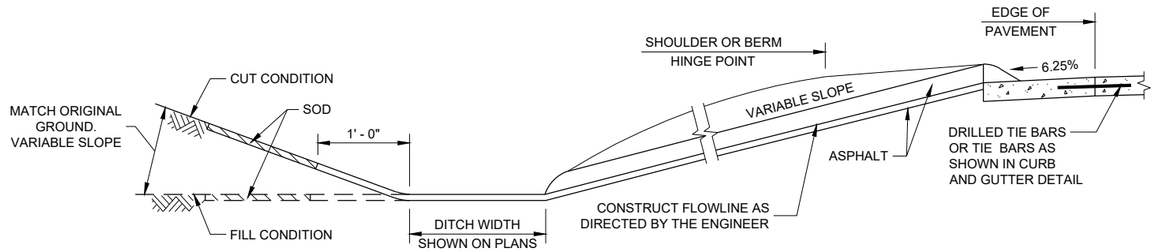
PLAN VIEW
CONCRETE SURFACE DRAIN

GENERAL NOTES

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

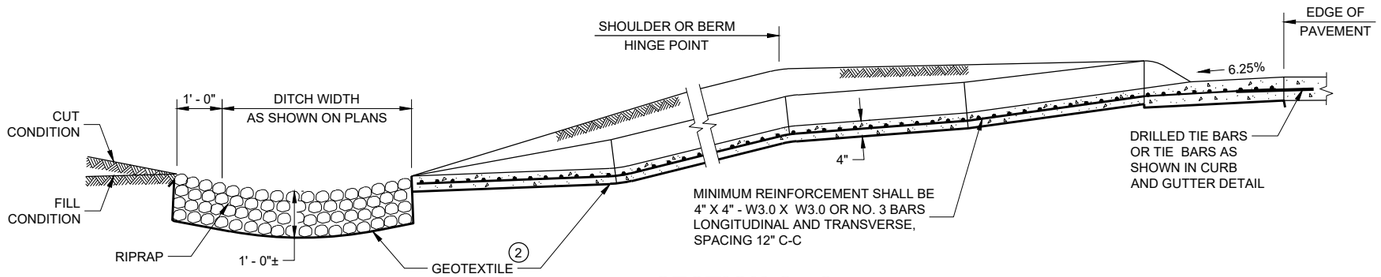
4" X 4" - W3.0 X W3.0 CONCRETE REINFORCEMENT SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

1. JOINTS SHALL BE ⅛" TO ¼" WIDE BY 1½" DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.
2. GEOTEXTILE TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.
3. CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED.
4. ANGLE OF FLUME IN RELATION TO BACK OF CURB TO BE CONSTRUCTED PER THE PLAN DETAILS OR AS DIRECTED BY THE ENGINEER. ANGLE OF FLUME MAY BE OTHER THAN 90 DEGREES AS SHOWN.

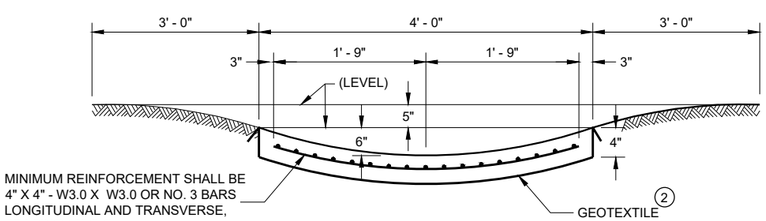


SECTION A - A

SECTION B - B



SECTION C - C



SECTION D - D

CONCRETE SURFACE DRAINS AND ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

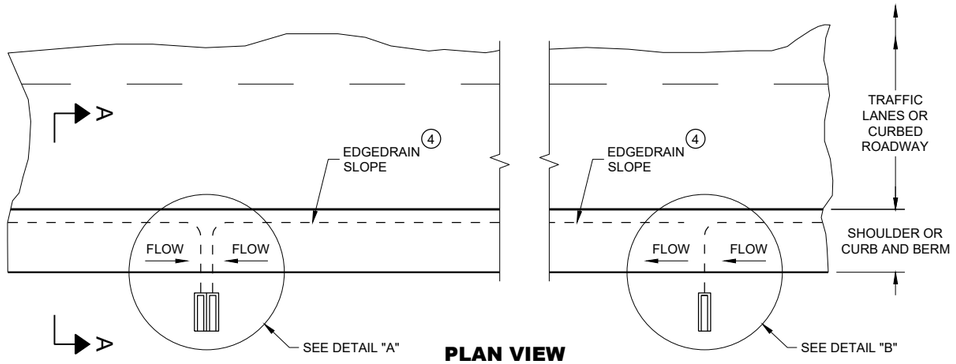
FHWA

6

SDD 08D04 - 07

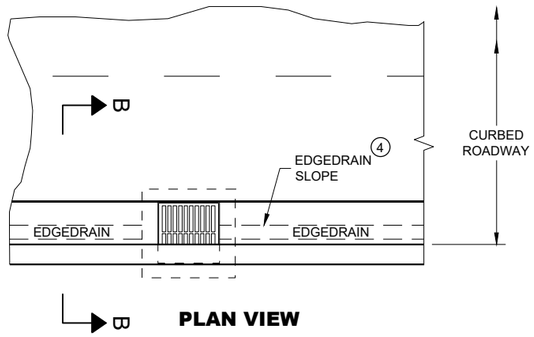
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SDD 08D04 - 07



PLAN VIEW

ROADWAY WITH SHOULDERS OR CURBS
(EDGEDRAIN CONNECTS TO ROADSIDE) (2)



PLAN VIEW

ROADWAY WITH CURBS
(EDGEDRAIN CONNECTS INTO INLET STRUCTURE)

GENERAL NOTES

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

(1) UNPERFORATED PIPE UNDERDRAIN AND FITTINGS FURNISHED FOR OUTFALL PIPE SHALL MEET THE REQUIREMENTS OF ONE OF THE FOLLOWING SPECIFICATIONS:

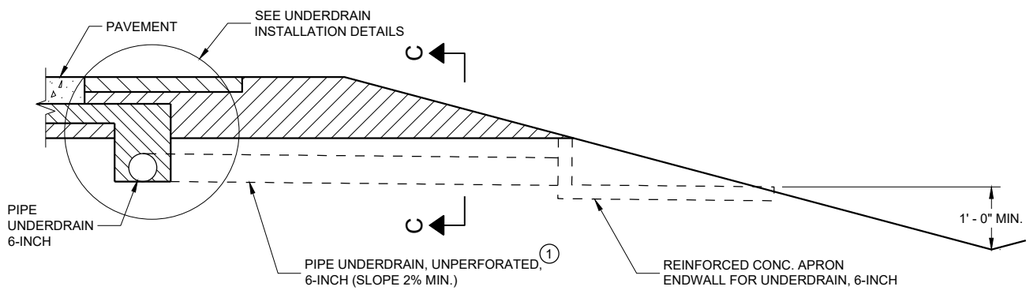
POLYVINYL CHLORIDE (PVC) PLASTIC DRAIN, WASTE, AND VENT PIPE AND FITTINGS, ASTM D 2665, SCHEDULE 40 PVC.

TYPE PSM POLYVINYL CHLORIDE (PVC) SEWER PIPE AND FITTINGS, ASTM D 3034, SDR 23.5 PVC SEWER PIPE.

(2) MAXIMUM SPACING OF EDGEDRAIN OUTLETS SHALL BE 250 FEET UNLESS OTHERWISE SPECIFIED IN THE CONTRACT OR DIRECTED BY THE ENGINEER.

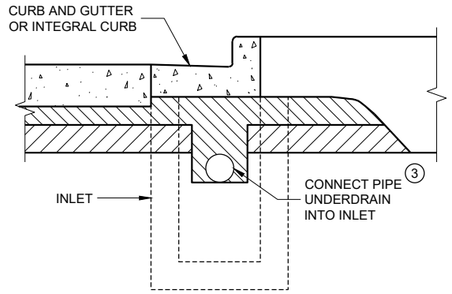
(3) EDGEDRAIN SHALL BE CONNECTED TO INLETS REGARDLESS OF FLOW DIRECTION FOR DRAINAGE AND MAINTENANCE ACCESS.

(4) EDGEDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF ROADWAY.



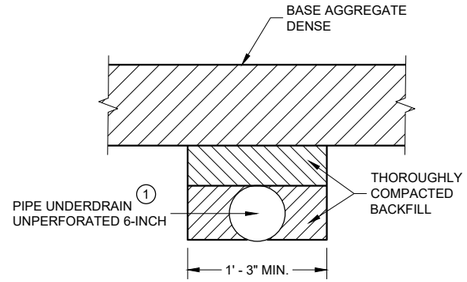
SECTION A - A

RURAL CROSS SECTION



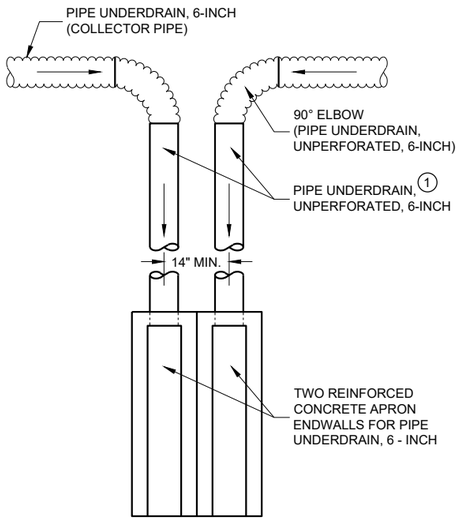
SECTION B - B

URBAN CROSS SECTION

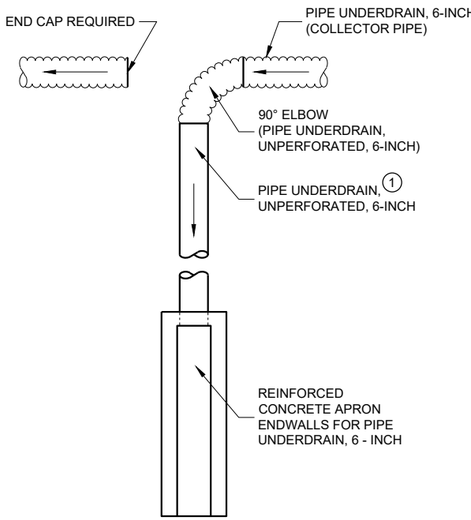


SECTION C - C

TRENCH FOR OUTFALL PIPE

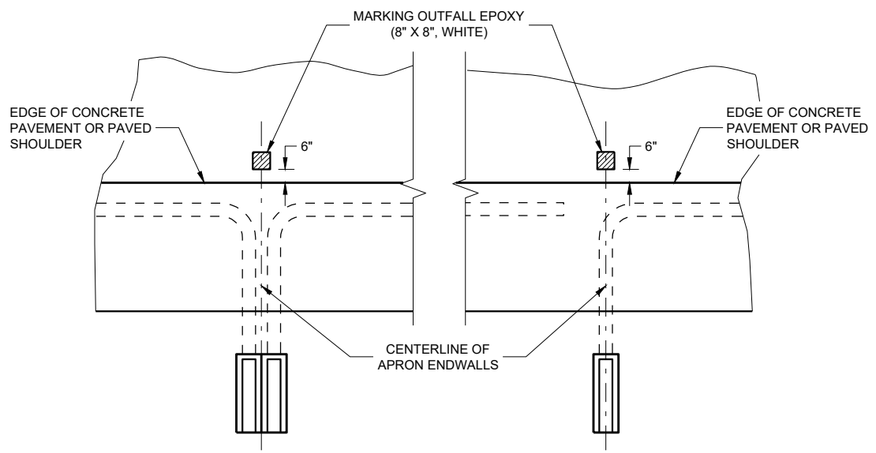


DETAIL "A"
TO BE USED AT LOW POINT LOCATIONS



DETAIL "B"
TO BE USED AT INTERMEDIATE LOCATIONS

TYPICAL DRAIN OUT DETAILS



LOW POINT LOCATIONS — INTERMEDIATE LOCATIONS

PAVEMENT MARKINGS FOR OUTFALL MARKERS

EDGEDRAIN OUTLET AND OUTFALL MARKERS

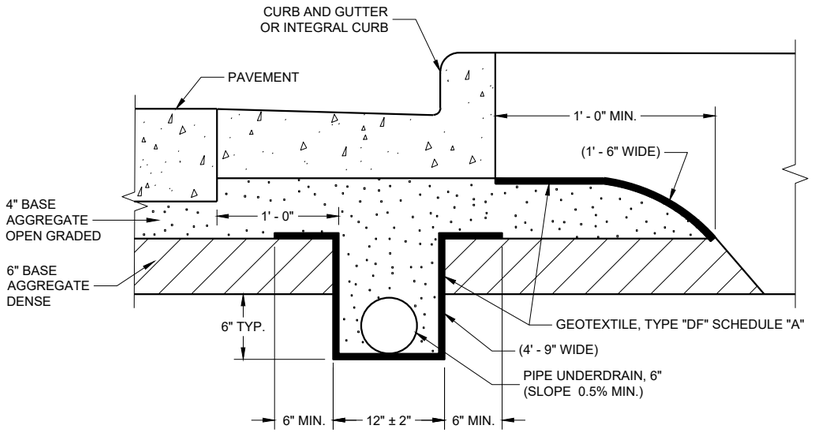
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD08D15 - 05a

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SDD08D15 - 05a



EDGEDRAIN IN URBAN ROADWAY

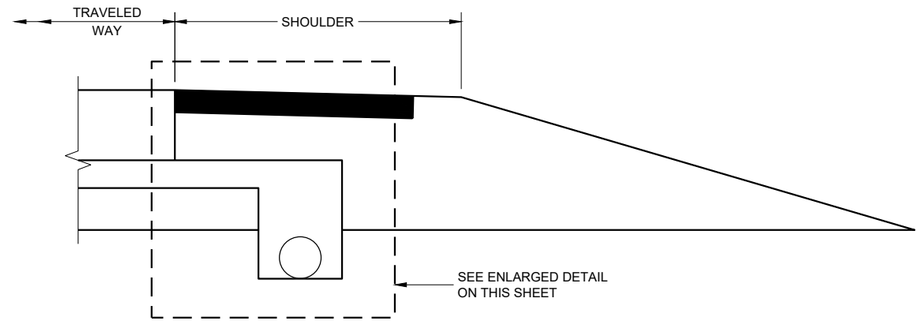
GENERAL NOTES

THE DIMENSIONS SHOWN ON THE TYPICAL CROSS SECTIONS WILL GOVERN IN THE EVENT THERE IS A CONFLICT WITH THE DETAILS SHOWN ON THIS DRAWING.

PIPE UNDERDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF THE ROADWAY.

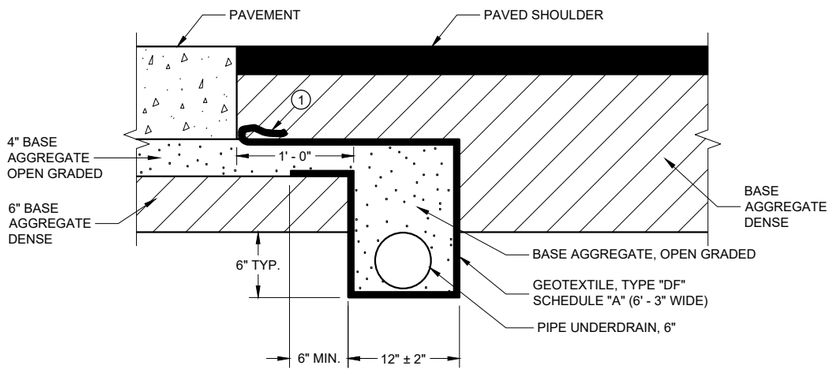
(1) FOLD OVER EXCESS GEOTEXTILE AT THIS LOCATION.

(2) TOTAL GEOTEXTILE WIDTH IS 6'-3" FOR PAYMENT.



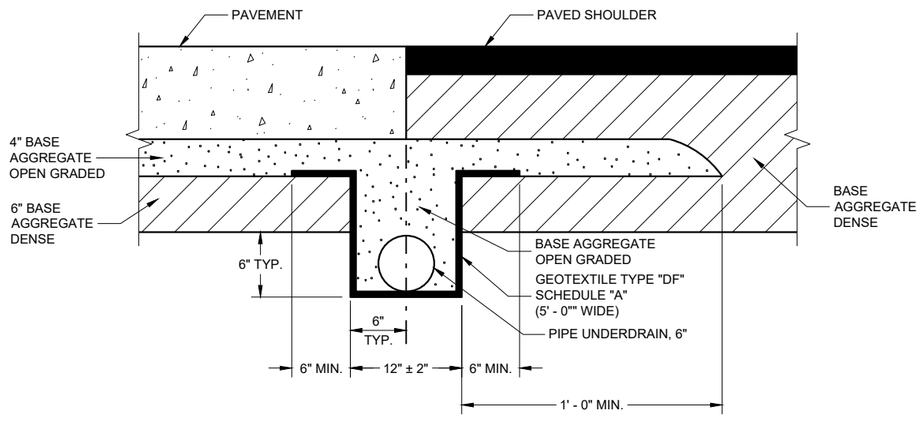
RURAL CROSS SECTION

6



POST PAVING INSTALLATION

(QUANTITIES ARE BASED ON THIS DETAIL)



PRE-PAVING INSTALLATION ALTERNATIVE

EDGEDRAIN IN RURAL ROADWAY

6

SDD 08D15 - 05b

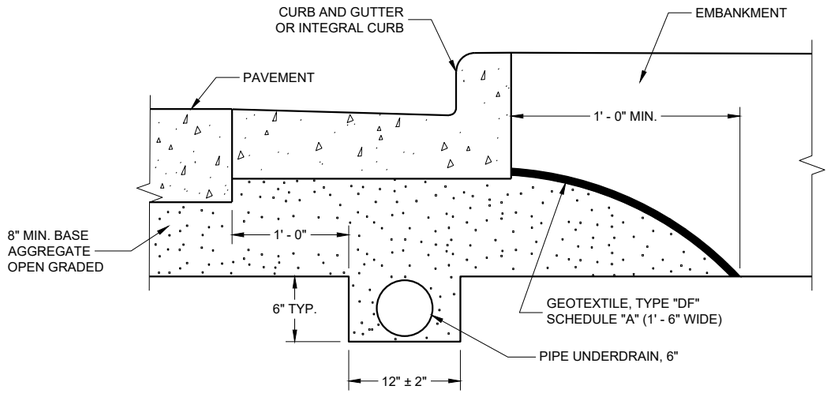
EGEDRAIN AND BASE AGGREGATE OPEN GRADED

SDD 08D15 - 05b

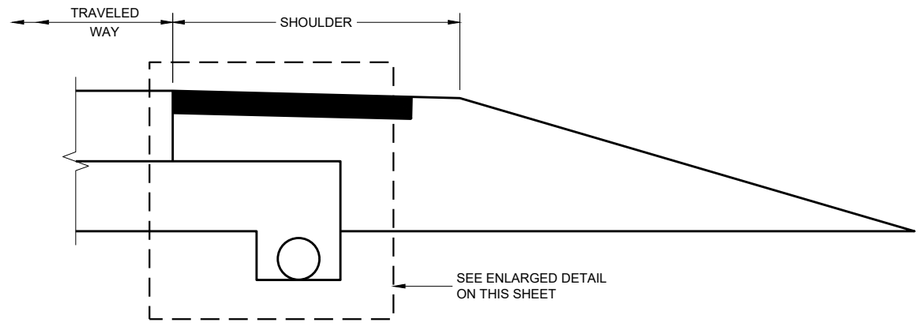
GENERAL NOTES

THE DIMENSIONS SHOWN ON THE TYPICAL CROSS SECTIONS WILL GOVERN IN THE EVENT THERE IS A CONFLICT WITH THE DETAILS SHOWN ON THIS DRAWING.

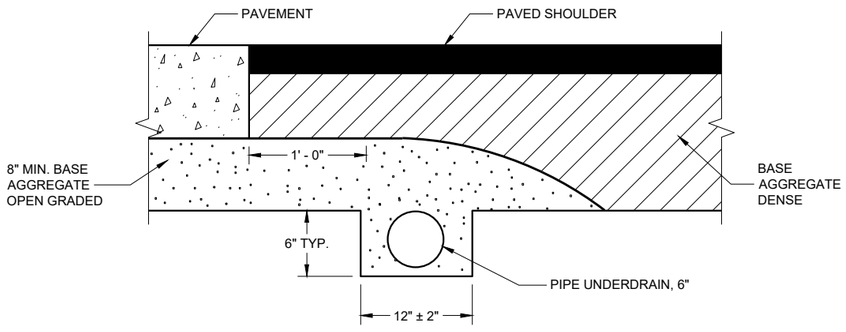
PIPE UNDERDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF THE ROADWAY.



EDGEDRAIN IN URBAN ROADWAY

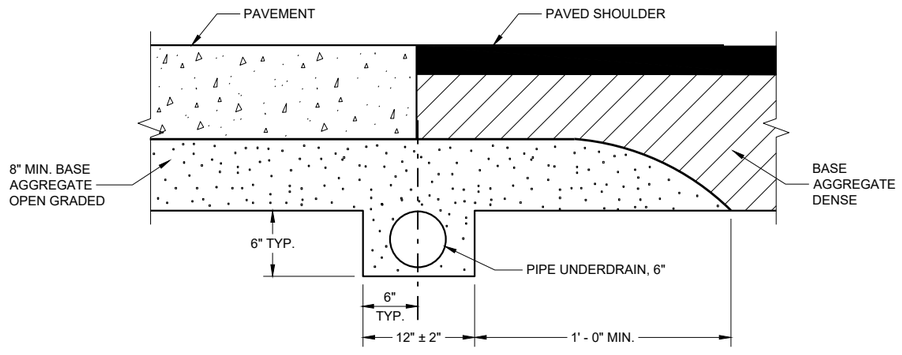


RURAL CROSS SECTION



POST PAVING INSTALLATION

(QUANTITIES ARE BASED ON THIS DETAIL)



PRE-PAVING INSTALLATION ALTERNATIVE

EDGEDRAIN IN RURAL ROADWAY

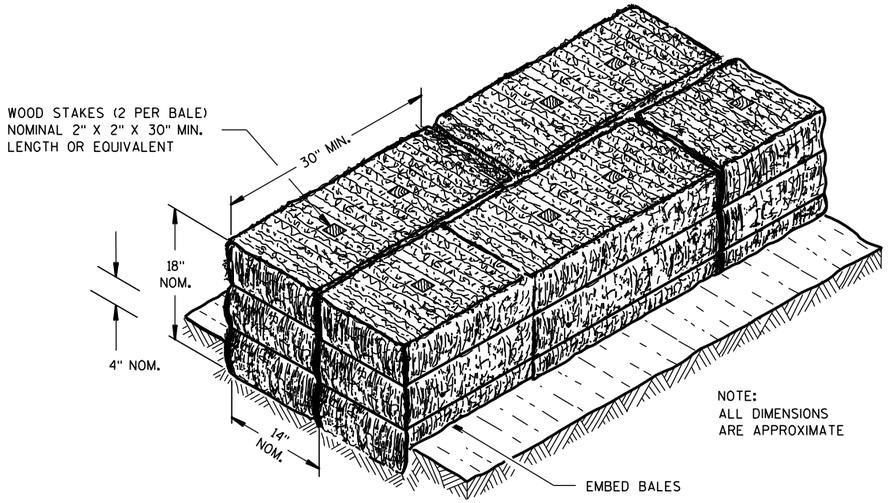
EDGEDRAIN AND BASE AGGREGATE OPEN GRADED

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

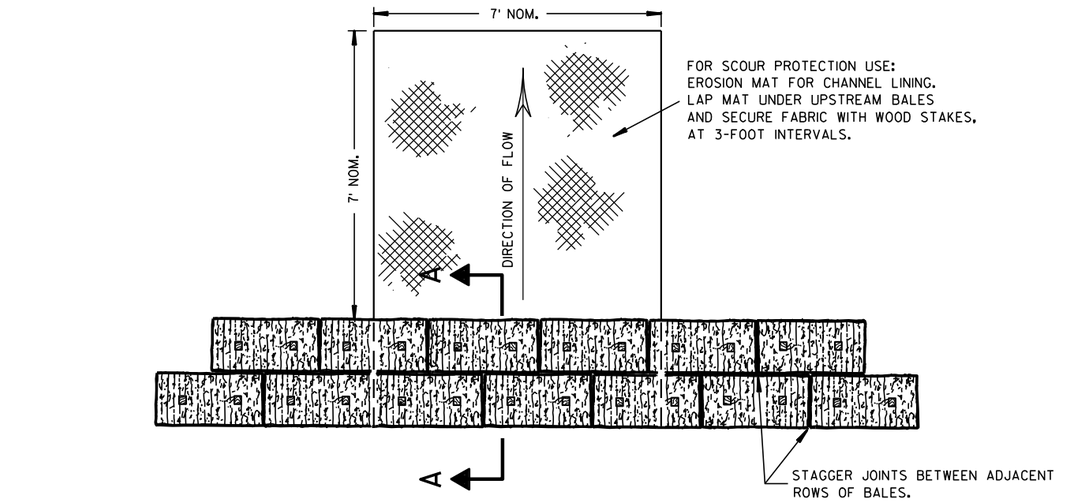
APPROVED
September 2015
DATE
/S/ Peter Kemp, P.E.
PAVEMENT SUPERVISOR
FHWA

6

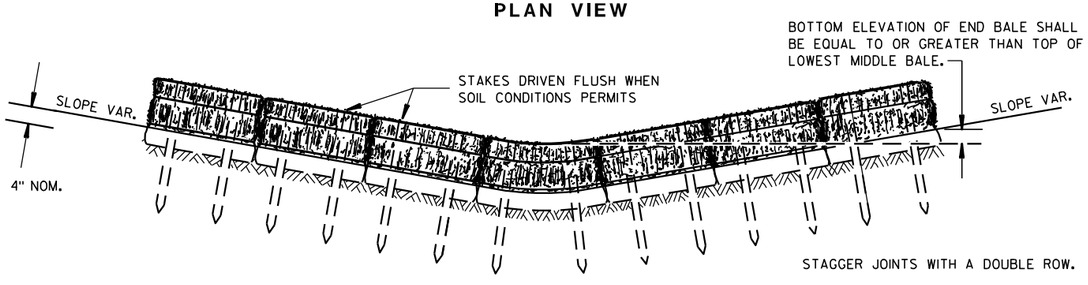
SDD 08D15 - 05c



SECTION A-A



PLAN VIEW



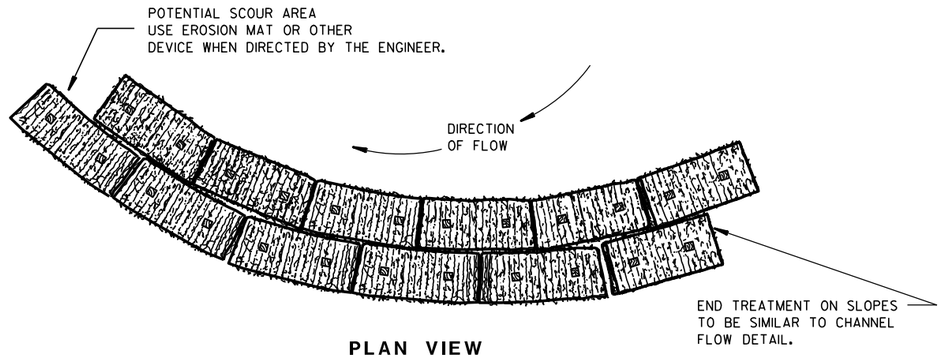
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

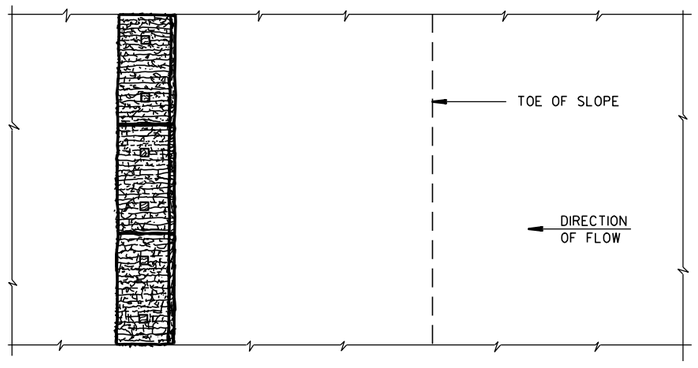
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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

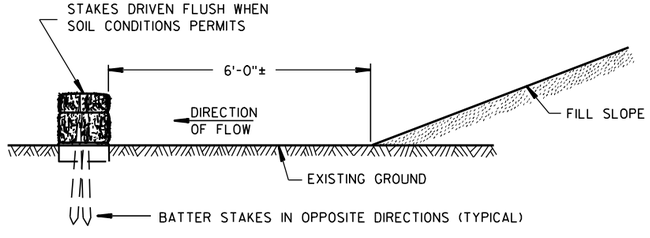


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

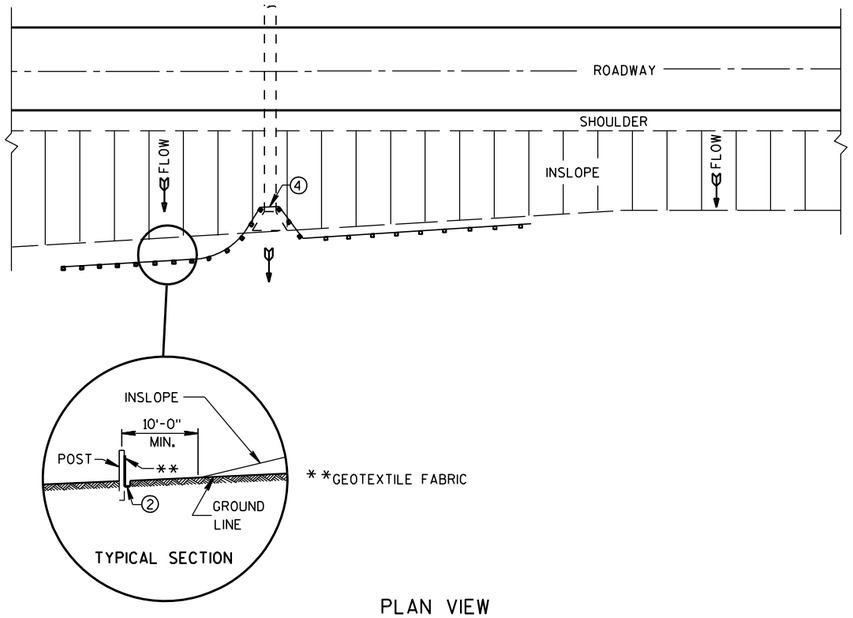
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

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

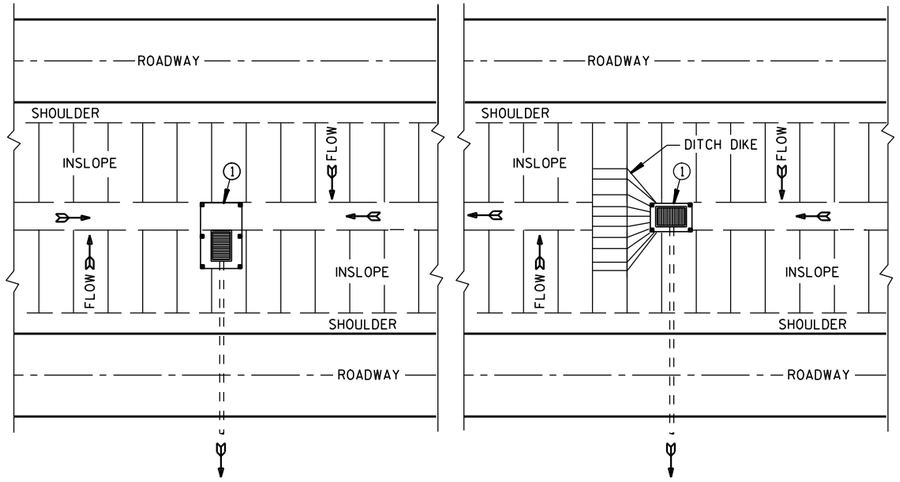
FHWA

6
S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



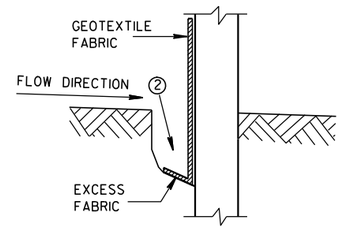
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

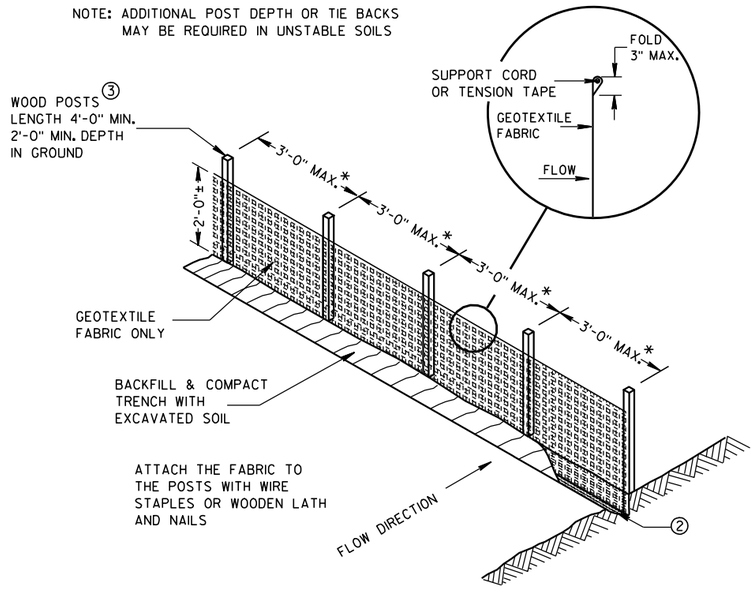
GENERAL NOTES

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.

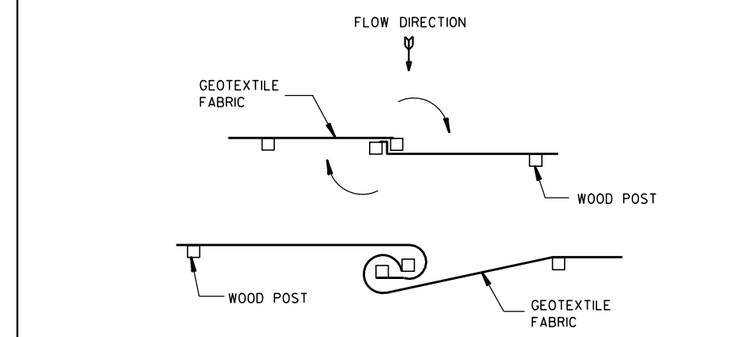


TRENCH DETAIL

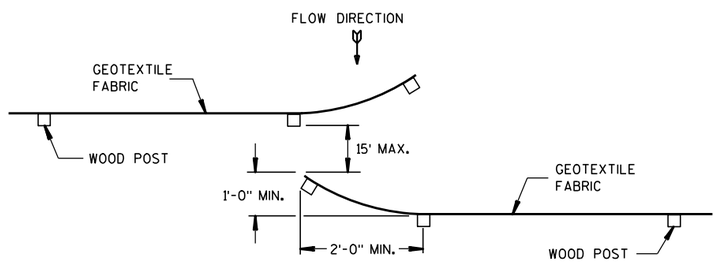


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

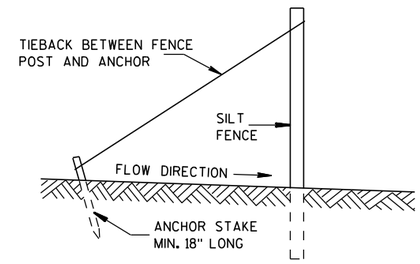


TWIST METHOD



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

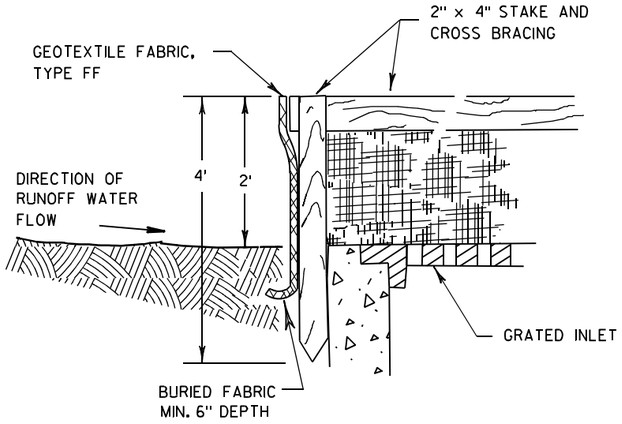
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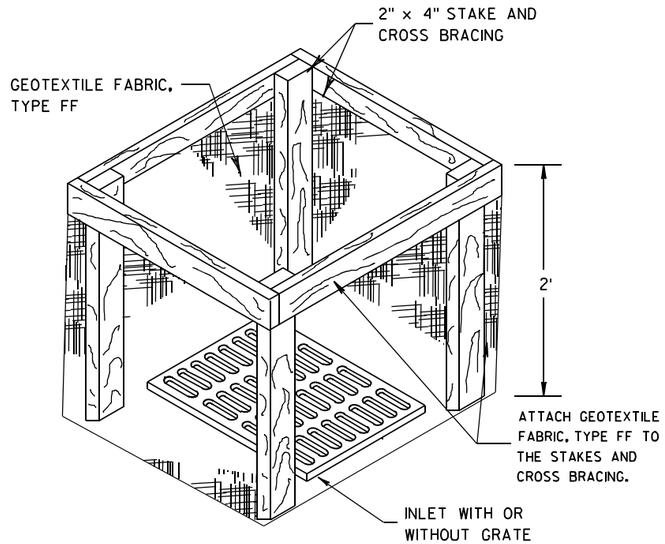
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S.D.D. 8 E 9-6

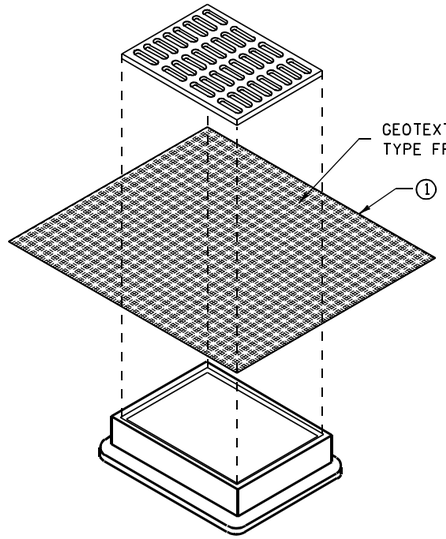
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S.D.D. 8 E 9-6



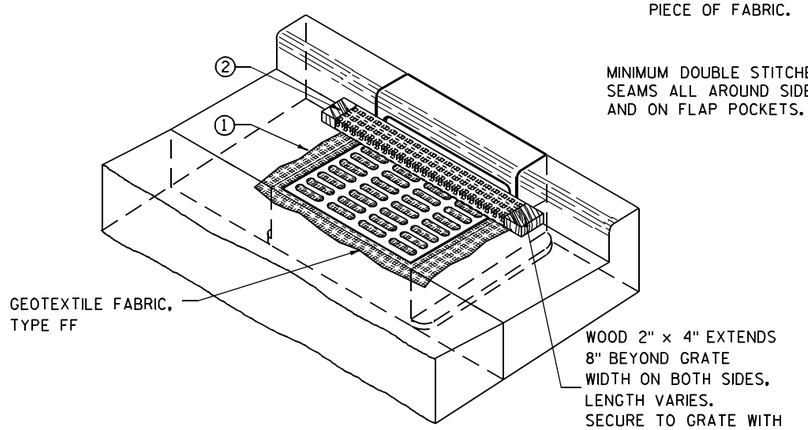


INLET PROTECTION, TYPE A

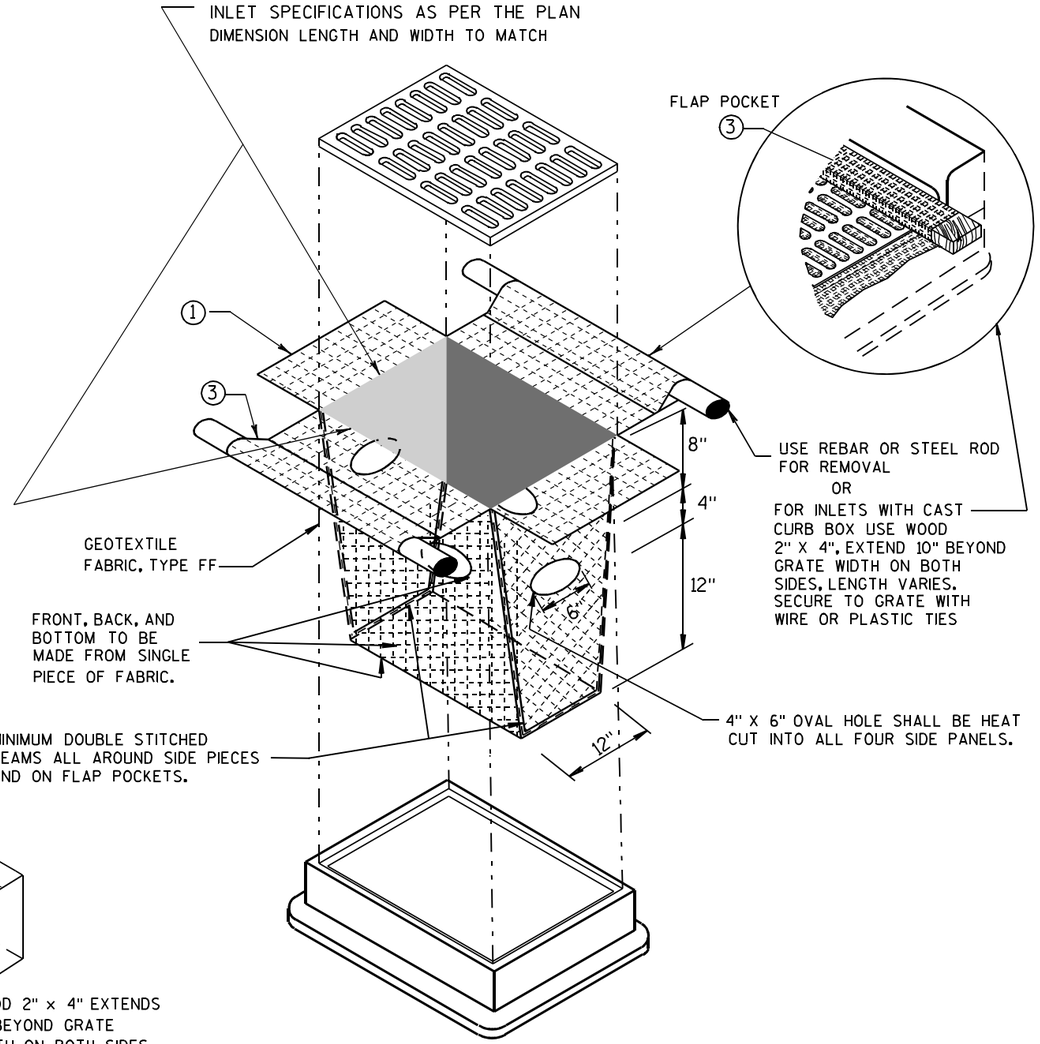


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

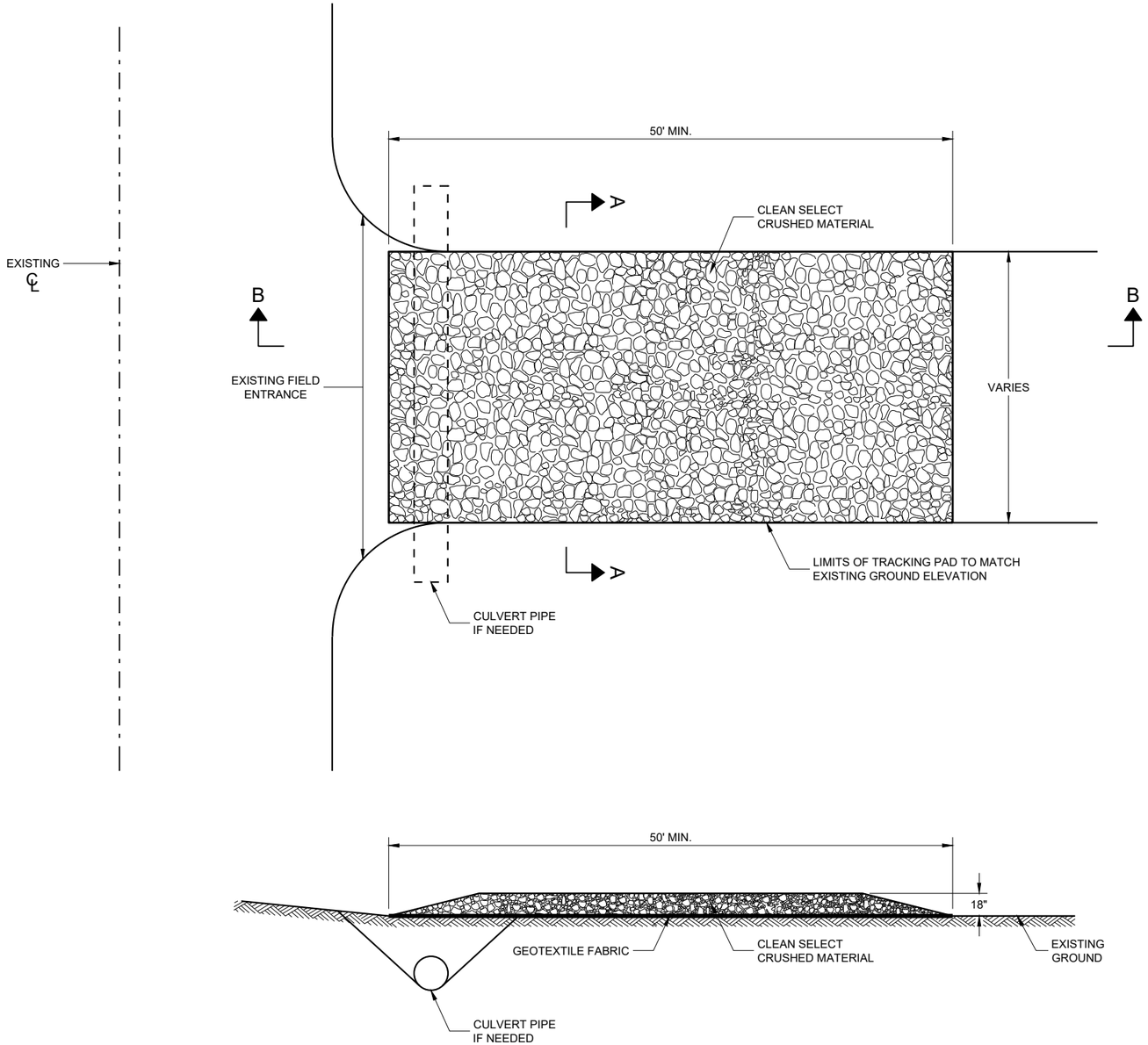
FHWA

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S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2



SECTION B - B

GENERAL NOTES

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

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

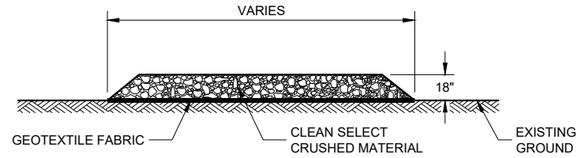
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A - A

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

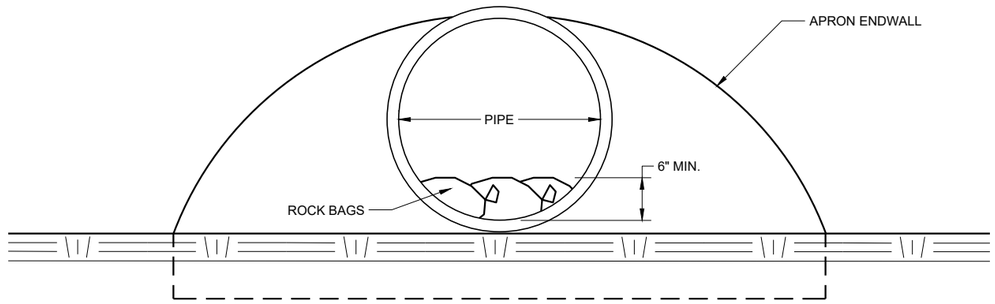
3/24/2011
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE ENGINEER

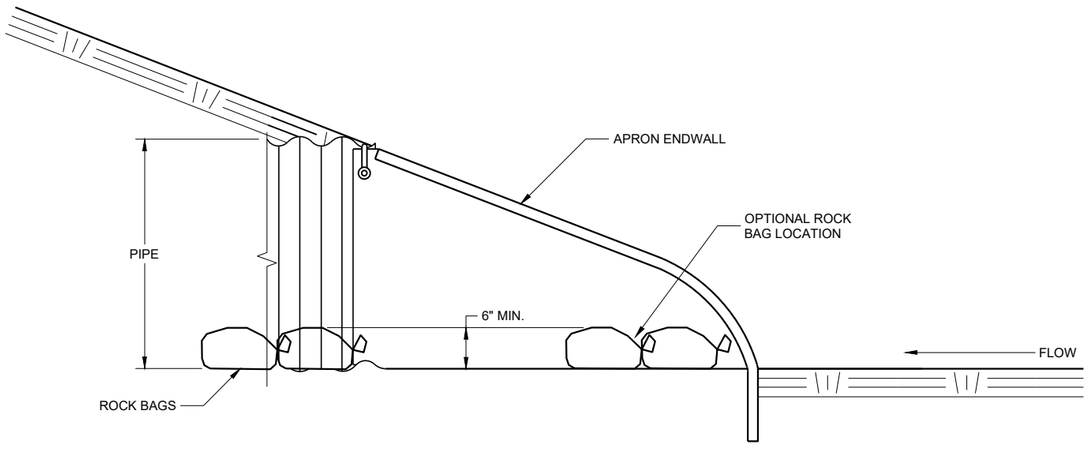
FHWA

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SDD 08E14 - 01



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Daniel Schave
EROSION CONTROL ENGI

FHWA

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SDD 08E15 - 01

6

SDD 08E15 - 01

METAL APRON ENDWALLS

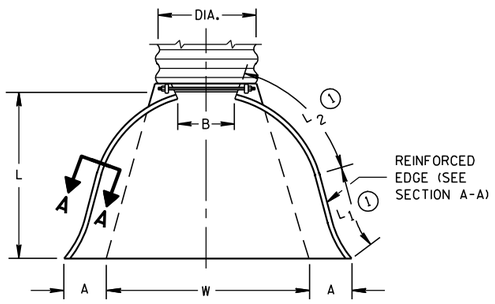
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

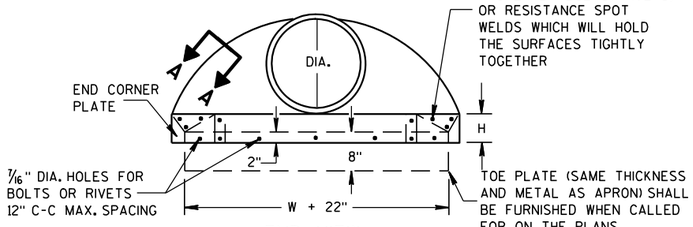
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

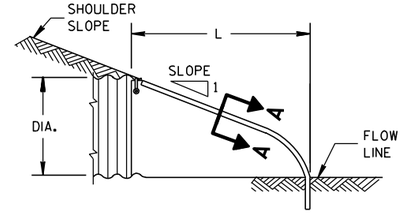
*MINIMUM
**MAXIMUM



PLAN VIEW

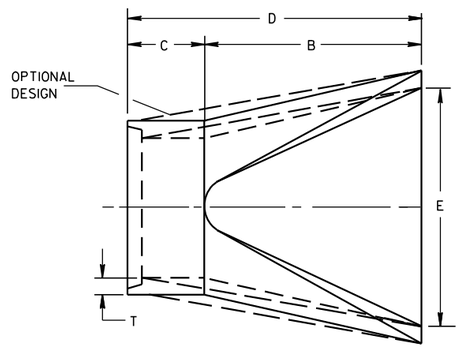


END VIEW

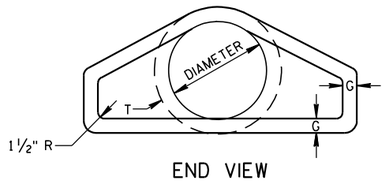


SIDE ELEVATION

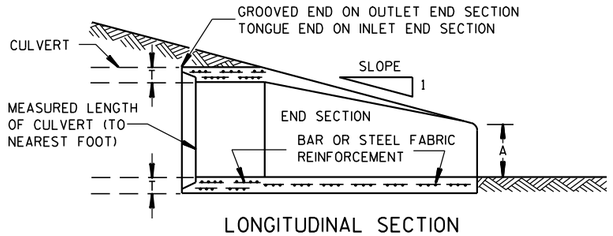
METAL ENDWALLS



PLAN

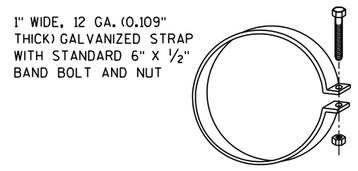


END VIEW



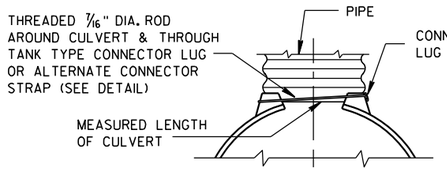
LONGITUDINAL SECTION

CONCRETE ENDWALLS

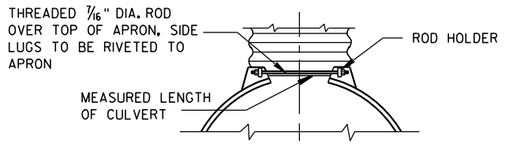


ALTERNATE FOR TYPE 1 CONNECTION

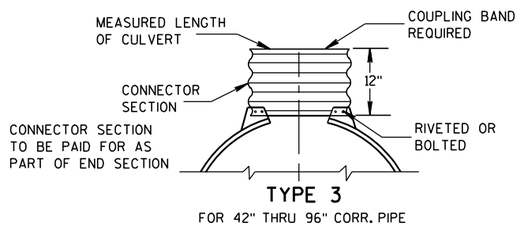
END SECTION CONNECTOR STRAP



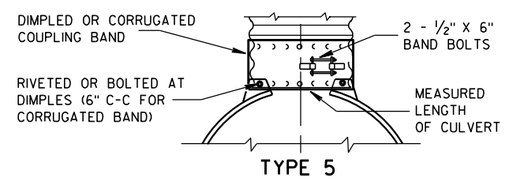
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

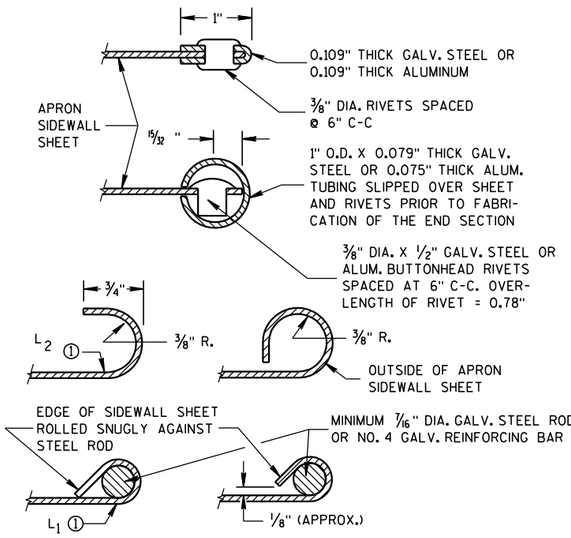
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

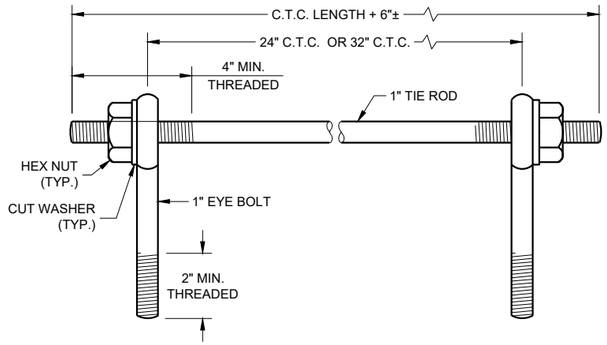
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

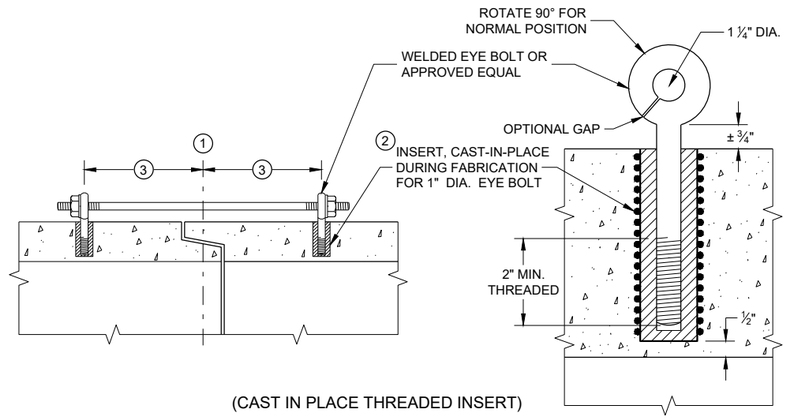
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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



EYE BOLTS AND TIE ROD



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

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

GENERAL NOTES

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

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

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

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

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

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

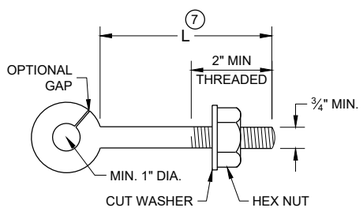
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

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

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

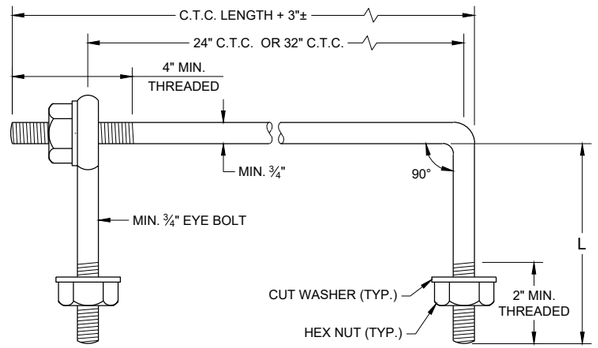
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

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

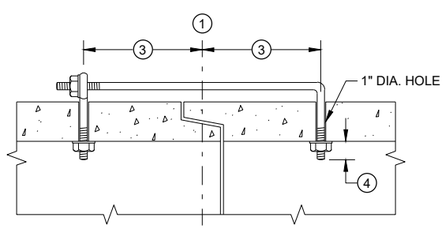


EYE BOLT (7)

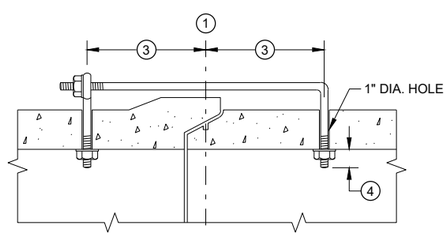
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

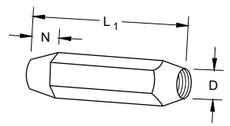
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

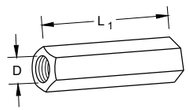
ADJUSTABLE TIE ROD TABLE

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

DIMENSIONS SHOWN ARE IN INCHES



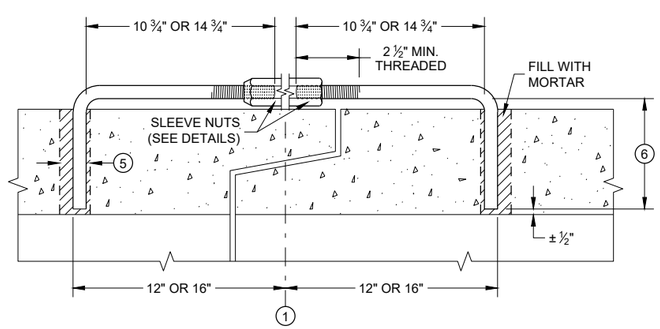
TAPERED



PLAIN

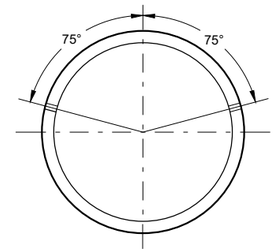
RIGHT AND LEFT THREADS

SLEEVE NUTS



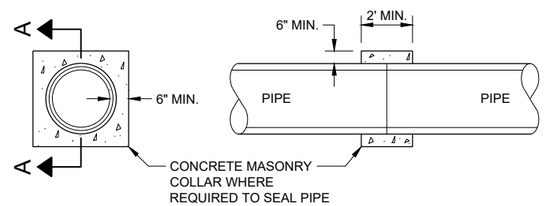
LONGITUDINAL SECTION

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



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

TRANSVERSE SECTION



SECTION A - A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

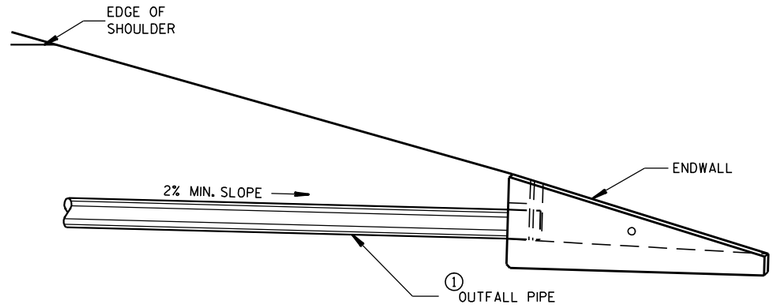
APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

SDD 08F04 - 08

SDD 08F04 - 08

DIMENSIONS IN INCHES											
PIPE DIA.	A	B	C	D	E	F	G	H	J	L	Z
**4	6	12	5 1/4	9	8	32	36	11	2 3/8	6 1/2	4
6	8	14	7 1/4	11	10	42	44	13	3 5/8	8 1/2	6

**APRON ENDWALL FOR 6 INCH DIAMETER PIPE MAY BE SUBSTITUTED FOR THIS SIZE PROVIDED THE HOLE IN THE HEADWALL IS SIZED AND LOCATED TO CONFORM TO THE 4 INCH DIAMETER PIPE DIMENSIONS (C & J)



INSTALLATION DETAIL

GENERAL NOTES

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

ALTERNATIVE DESIGNS WHICH PROVIDE EQUIVALENT CAPACITY AND STRENGTH MAY BE USED WHEN APPROVED BY THE ENGINEER. ENDWALL MAY BE EITHER PRECAST OR CAST-IN-PLACE CONCRETE.

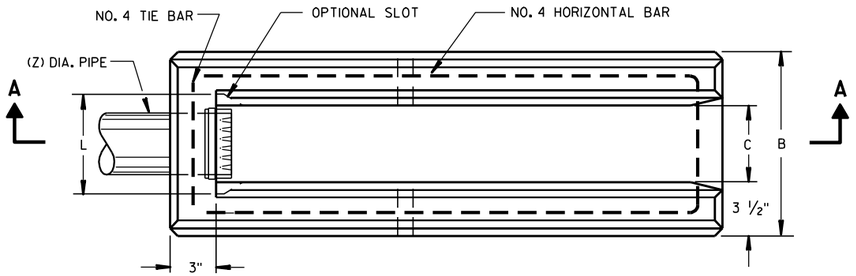
THE UNDERDRAIN PIPE SHALL BE FULLY INSERTED AND SEALED INTO THE ENDWALL WITH CEMENT MORTAR PRIOR TO BACKFILLING AROUND THE STRUCTURE.

THE UPPERMOST POINT OF THE ENDWALL SHALL BE PLACED FLUSH WITH THE ROADWAY SLOPE. ADJACENT EMBANKMENT SLOPES SHALL BE SHAPED TO FIT THE SIDES AND TOE OF THE ENDWALL. EXACT PLACEMENT OF THE OUTFALL PIPE AND ENDWALL SHALL BE DETERMINED BY THE ENGINEER TO MATCH THE ELEVATIONS AND FLOW DIRECTION OF THE ROADSIDE DITCH.

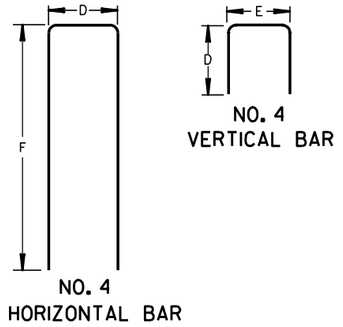
① THE OUTFALL PIPE UNDERDRAIN AND FITTINGS SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATION FOR POLY (VINYL CHORIDE) (PVC) PLASTIC DRAIN, WASTE AND VENT PIPE AND FITTINGS, ASTM DESIGNATION: D 2665, SCHEDULE 40 PVC OR THE STANDARD SPECIFICATION FOR TYPE PSM POLY (VINYL CHORIDE) (PVC) SEWER PIPE AND FITTINGS, ASTM DESIGNATION: D 3034, TYPE PSM SDR 23.5 PVC SEWER PIPE, ALL JOINTS SHALL BE SOLVENT WELDED.

THE OUTFALL PIPE INCLUDING ALL FITTINGS AND THE RODENT SHIELD SHALL BE MEASURED AND PAID FOR AS PIPE UNDERDRAIN UNPERFORATED.

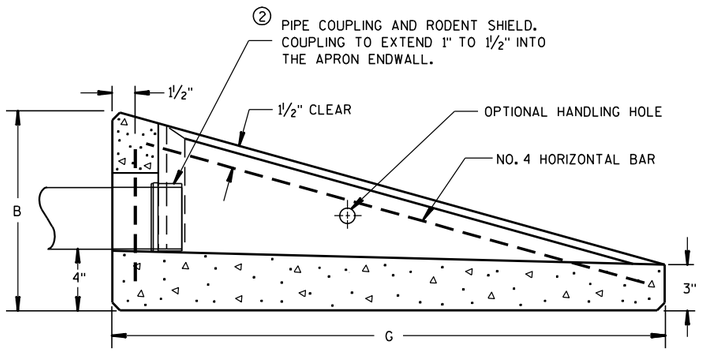
② THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE OUTFALL PIPE. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



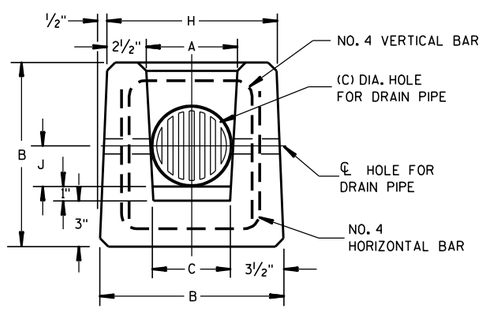
PLAN VIEW



BAR STEEL REINFORCEMENT DETAILS

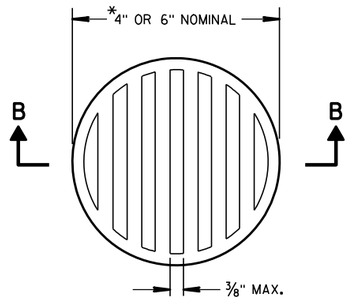


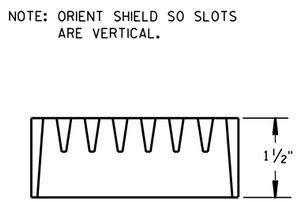
SECTION A-A



END VIEW

CONCRETE APRON ENDWALL FOR UNDERDRAIN





SECTION B-B

② RODENT SHIELD

*NOTE: DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING.

REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

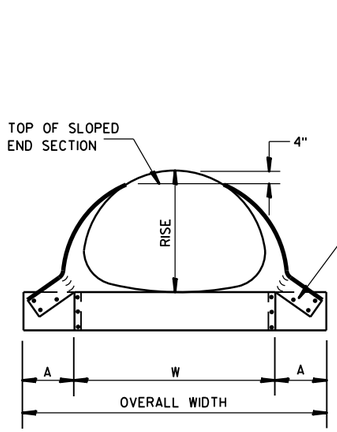
APPROVED
3/10/98 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

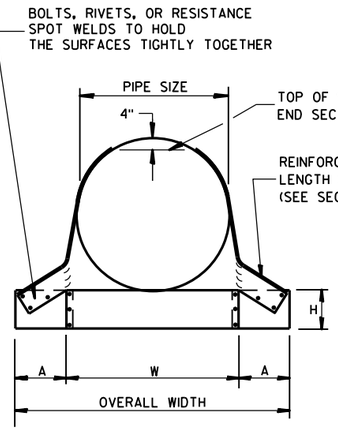
S.D.D. 8 F 6-4

6

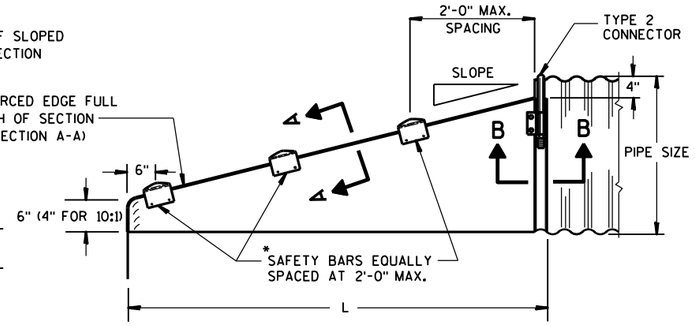
S.D.D. 8 F 6-4



FRONT VIEW



FRONT VIEW



SIDE VIEW

GENERAL NOTES

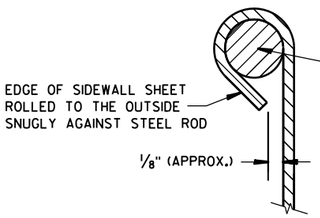
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SLOPED END SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS, SECTION 521 FOR STEEL APRON ENDWALLS.

SAFETY BARS SHALL BE FABRICATED FROM GALVANIZED STEEL PIPE MEETING THE REQUIREMENTS OF ASTM A-53, GRADE B, SCHEDULE 40 OR APPROVED EQUAL.

STEEL APRON ENDWALLS FOR CULVERT PIPE
SLOPED SIDE DRAINS

PIPE DIA. (IN.)	MIN. THICK. (Inches)	DIMENSIONS (Inches)				L DIMENSIONS					
		A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	.064	8	6	21	37	4:1	20	6:1	30	10:1	70
18	.064	8	6	24	40	4:1	32	6:1	48	10:1	100
21	.064	8	6	27	43	4:1	44	6:1	66	10:1	130
24	.064	8	6	30	46	4:1	56	6:1	84	10:1	160
30	.109	12	9	36	60	4:1	80	6:1	120	10:1	220
36	.109	12	9	42	66	4:1	104	6:1	156	10:1	280
42	.109	16	12	48	80	4:1	128	6:1	192	——	——
48	.109	16	12	54	86	4:1	152	6:1	228	——	——
54	.109	16	12	60	92	4:1	176	6:1	264	——	——
60	.109	16	12	66	98	4:1	200	6:1	300	——	——



SECTION A-A

*NOTE:
THREE SAFETY BARS ARE SHOWN. ACTUAL NUMBER OF BARS REQUIRED AT A 2'-0" C-C MAX. SPACING WILL VARY DEPENDING ON THE LENGTH OF THE END SECTION.

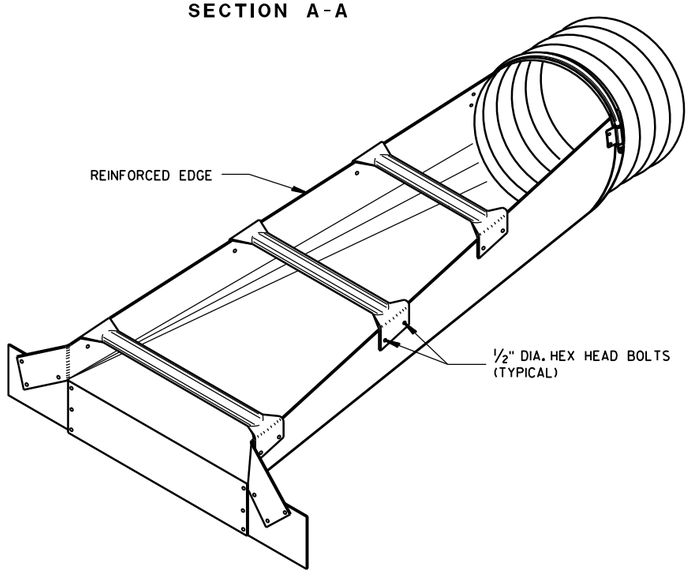
3" GALVANIZED PIPE. FLATTEN ENDS, THEN BEND OUTSIDE 4" TO MATCH END SECTION SIDES.

DETAIL OF SAFETY BAR

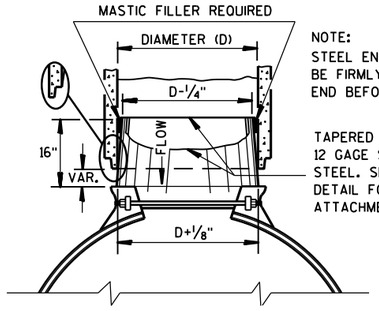
STEEL APRON ENDWALLS FOR PIPE ARCH
SLOPED SIDE DRAINS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) ①	DIMENSIONS (Inches) A	H	W	OVERALL WIDTH	L DIMENSIONS SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	17	13	.064 *	7	6	30	44	4:1	19	6:1	30	10:1 ②	70
18	21	15	.064 *	8	6	27	43	4:1	20	6:1	30	10:1	70
21	24	18	.064 *	8	6	30	46	4:1	32	6:1	48	10:1	100
24	28	20	.064 *	8	6	34	50	4:1	40	6:1	60	10:1	120
30	35	24	.079 *	12	9	41	65	4:1	56	6:1	84	10:1	160
36	42	29	.109 *	12	9	48	72	4:1	76	6:1	114	10:1	210
42	49	33	.109	16	12	55	87	4:1	92	6:1	138	——	——
48	57	38	.109	16	12	63	95	4:1	112	6:1	168	——	——
54	64	43	.109	16	12	70	102	4:1	132	6:1	198	——	——

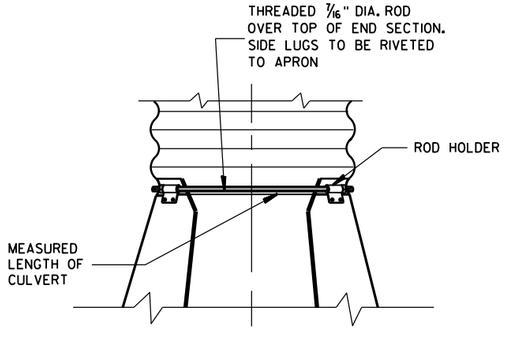
① * MINIMUM THICKNESS OF ALL 10:1 SLOPED SIDE DRAINS IS 0.109".
② ACTUAL SLOPE GREATER THAN 10:1.



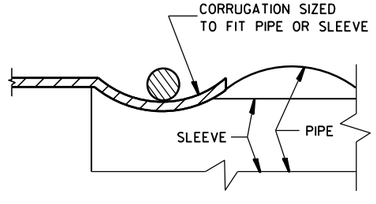
ISOMETRIC VIEW



STEEL ADAPTER SLEEVE FOR CONCRETE PIPE



TYPE 2
CONNECTION DETAIL



SECTION B-B

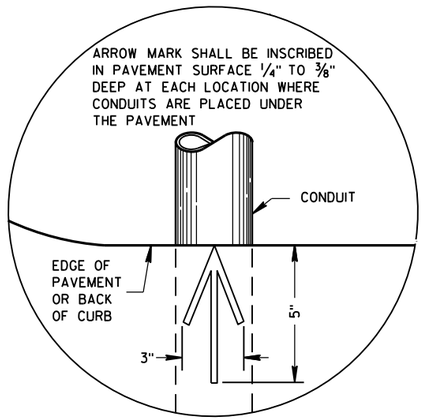
STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE DRAINS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/14/2012 — DATE
/S/ Jerry H. Zoda — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

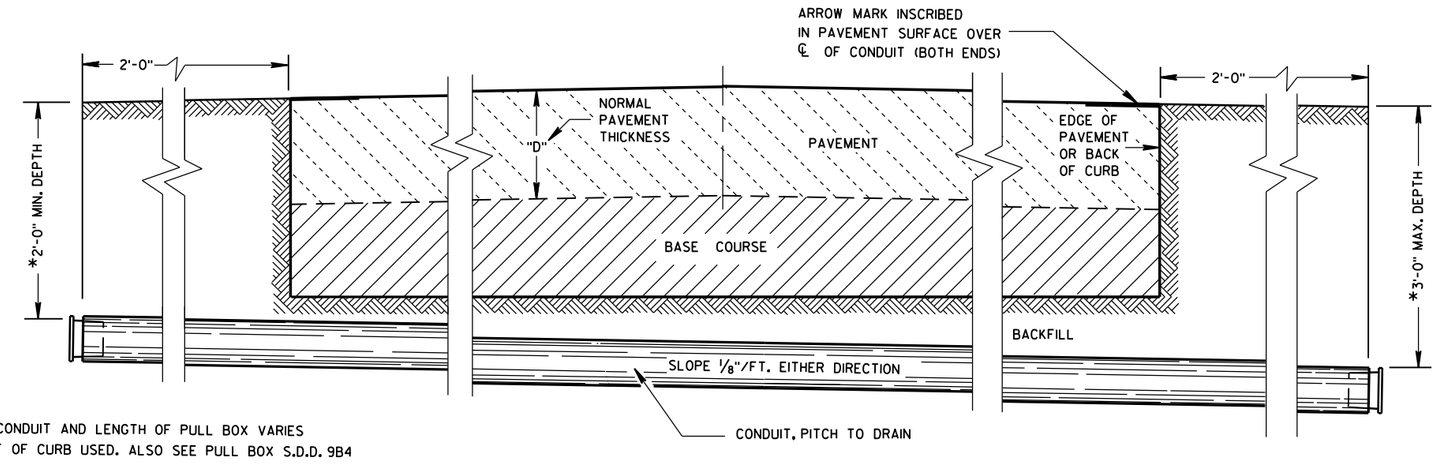
6

S.D.D. 8 F 7-5



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

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

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

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

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

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

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

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

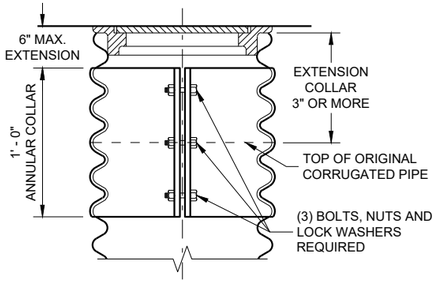
CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

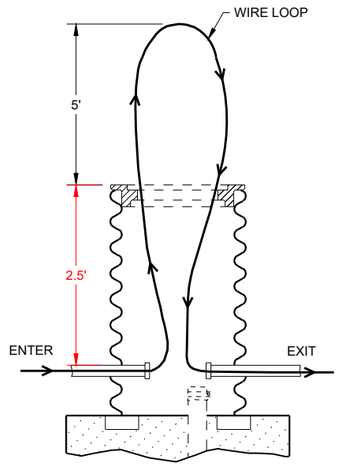
APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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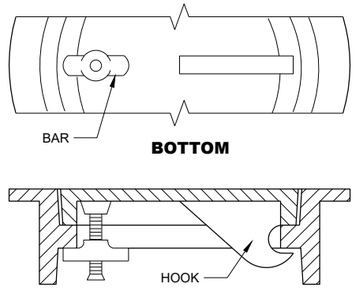
S.D.D. 9 B 2-10



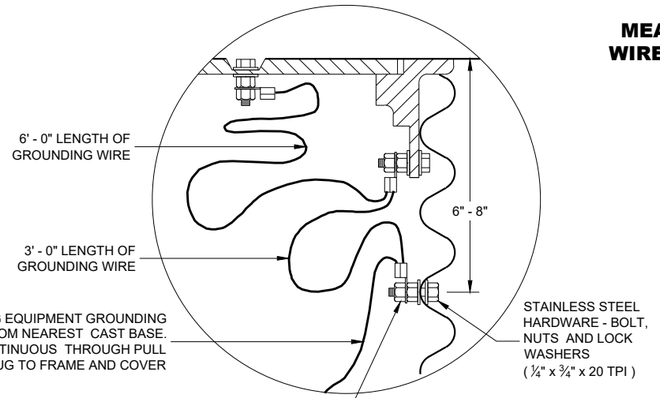
CORRUGATED PIPE EXTENDER



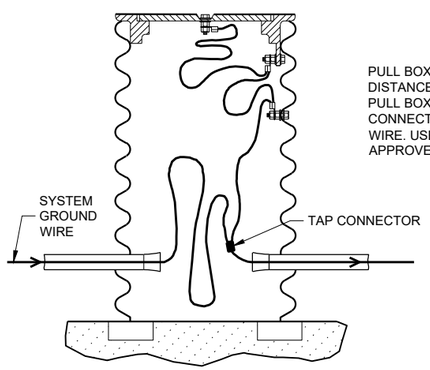
MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



ALTERNATE COVER (LOCKING)
TIGHTENING BAR TYPE

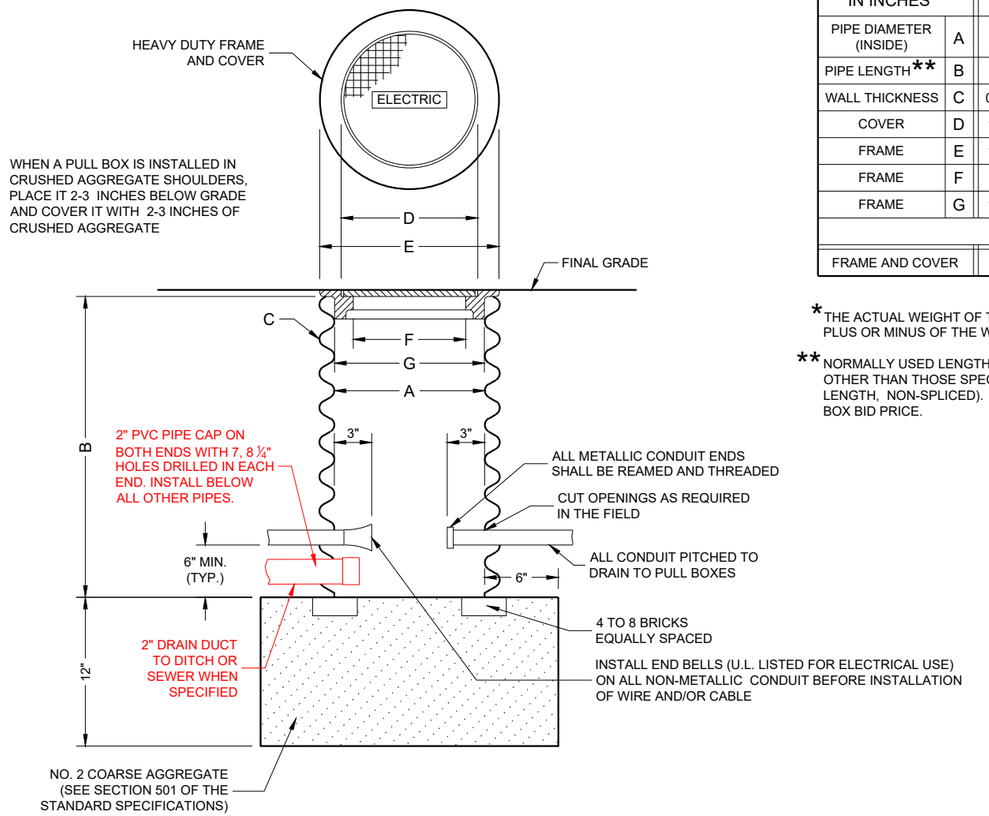


EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX

GENERAL NOTES

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

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN ¼".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH**	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 ¼	10 ¼	10 ¼	16 ¼	16 ¼	16 ¼	22 ¼	22 ¼	22 ¼
FRAME	E	14 ½	14 ½	14 ½	20 ½	20 ½	20 ½	26 ½	26 ½	26 ½
FRAME	F	8 ½	8 ½	8 ½	14 ½	14 ½	14 ½	20 ½	20 ½	20 ½
FRAME	G	11 ½	11 ½	11 ½	17 ½	17 ½	17 ½	23 ½	23 ½	23 ½
WEIGHT IN POUNDS*										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

*THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

**NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.

PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

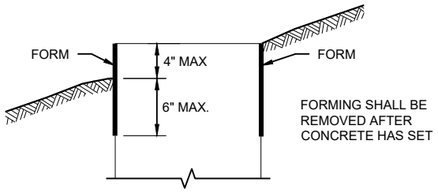
APPROVED
May 2022
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 344

FHWA

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SDD 09B04 -12

FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

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

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FRO FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2, TYPE 5 AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER ALL BASE TYPES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

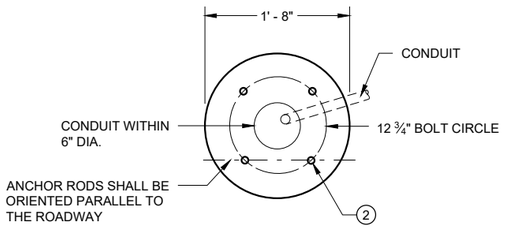
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

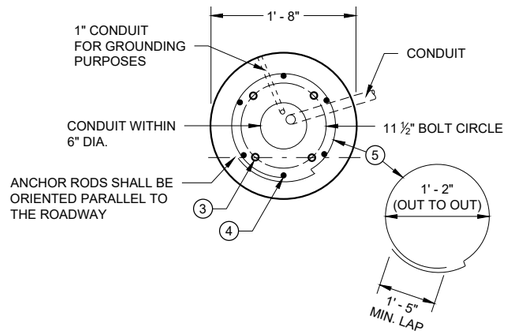
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

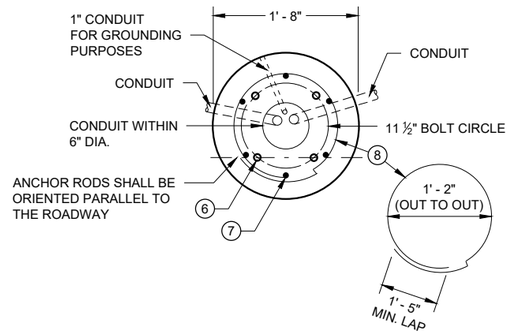
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).







(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

(2) (4) 1" DIA. X 3' - 6" ANCHOR RODS.

(3) (4) 1" DIA. X 5' - 0" ANCHOR RODS.

(4) (6) NO. 6 X 6' - 8" BAR STEEL REINFORCEMENT.

(5) (7) NO. 4 X 5' - 1" BAR STEEL REINFORCEMENT @ 1' - 0" C - C.

(6) (4) 1" DIA. X 3' - 6" ANCHOR RODS.

(7) (6) NO. 4 X 4' - 8" BAR STEEL REINFORCEMENT.

(8) (5) NO. 4 X 5' - 1" BAR STELL REINFORCEMENT @ 1' - 0" C -C.

(9) EXOTHERMIC CONNECTION TO EUIPMENT GROUNDING CONDUCTOR

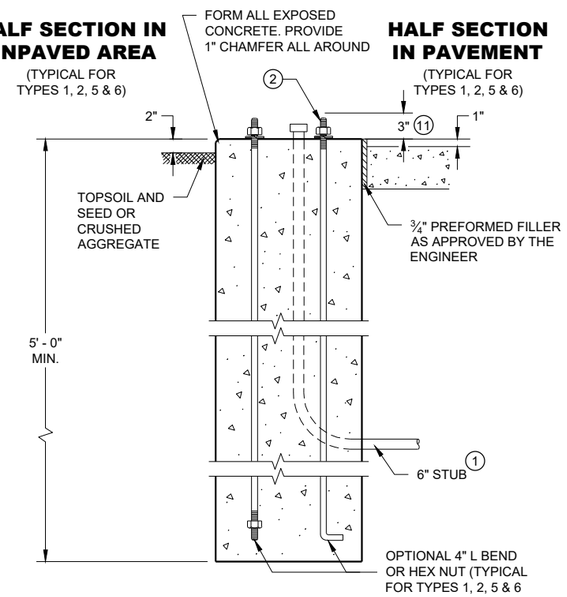
(10) ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

(11) ANY ANCHOR ROD PROJECTION SHORTER THAN 2 ¾" OR LONGER THAN 3 ¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

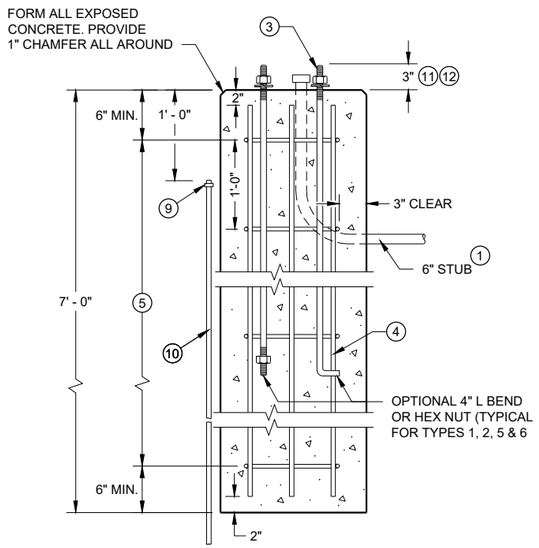
(12) FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

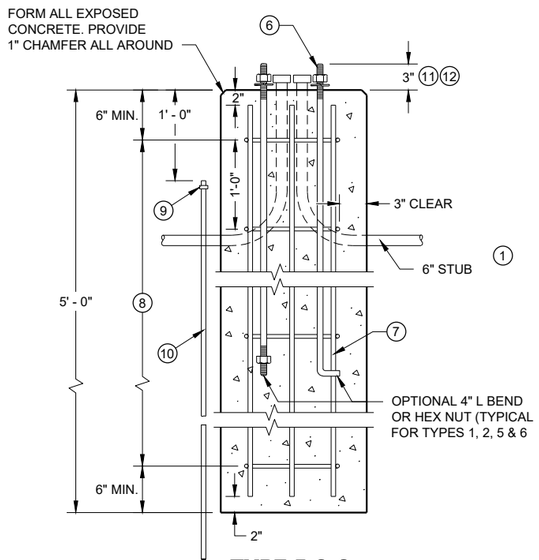
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



TYPE 2



TYPE 5 & 6

CONCRETE BASES

CONCRETE BASES TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

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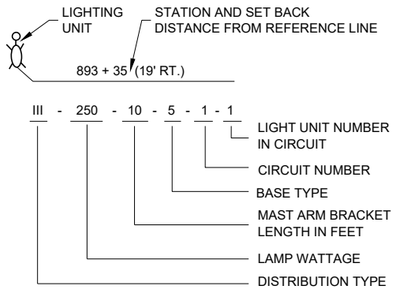
FHWA

GENERAL NOTES

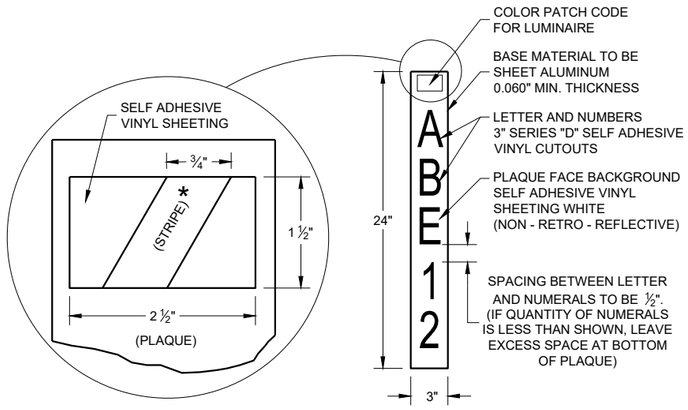
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.



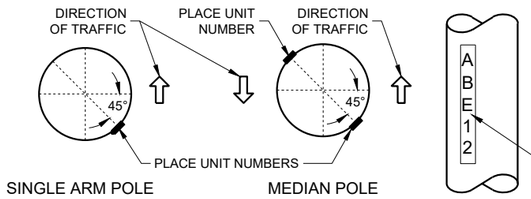
LIGHTING UNIT CODE
(TYPICAL)



COLOR PATCH CODE FOR LUMINAIRES

(HIGH PRESSURE SODIUM)	(MERCURY VAPOR)
1000 WATT - NO PATCH	400 WATT - NO PATCH
400 WATT - ORANGE	250 WATT - YELLOW
310 WATT - BLUE	
250 WATT - ORANGE W / WHITE STRIPE *	
200 WATT - RED	
150 WATT - GREEN	
100 WATT - BROWN	

IDENTIFICATION PLAQUE



NOTES

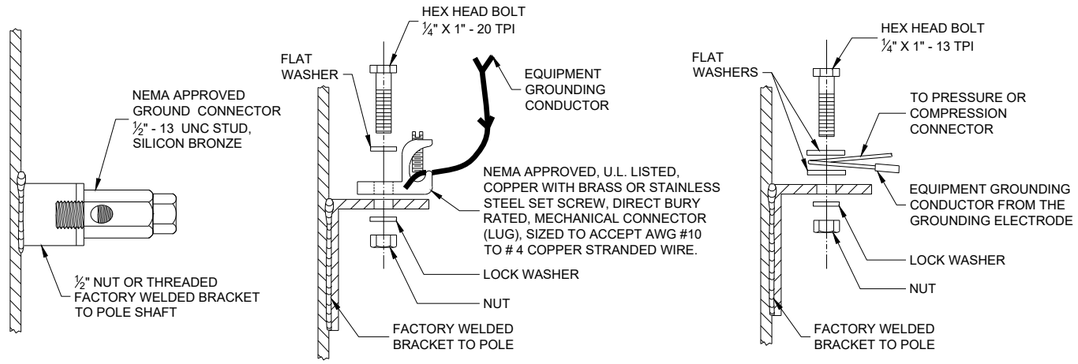
1) PLACE BOTTOM OF UNIT NUMBER PLAQUE 5'-0" ABOVE ELEVATION OF ADJACENT CURB OR SHOULDER.

2) UNIT NUMBER: ONE REQUIRED FOR SINGLE ARM POLES. TWO REQUIRED FOR MEDIAN MOUNT POLES.

FASTEN TOP, CENTER AND BOTTOM OF PLAQUE WITH 3 ALUMINUM POP RIVETS (ALUMINUM POLES) OR STAINLESS STEEL POP RIVETS (STEEL POLES).

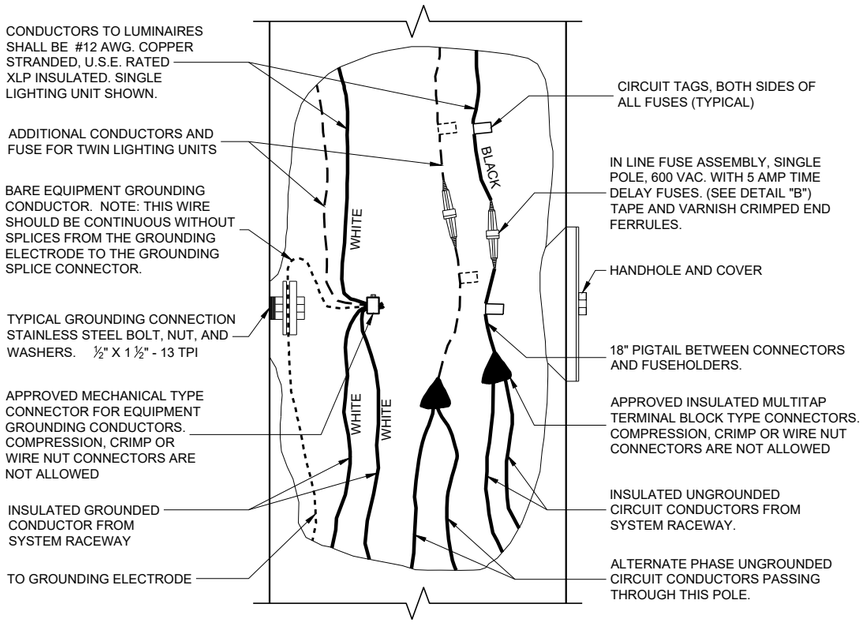
LIGHTING UNIT IDENTIFICATION PLAQUE REQUIREMENTS AND PLACEMENT
(TYPICAL, ALL LIGHTING UNITS)

FURNISH PLAQUE WHEN CALLED FOR BY SPECIAL PROVISIONS

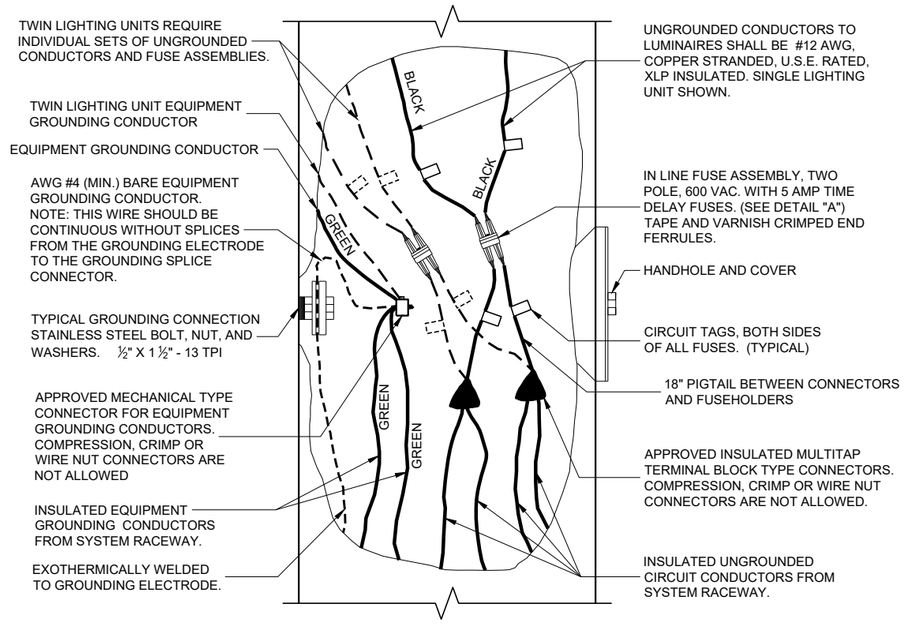


TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

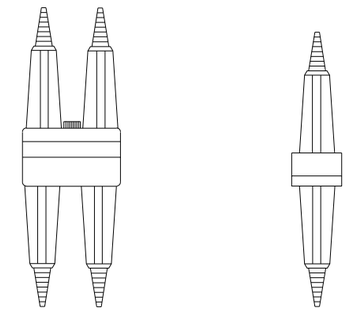
OLD EXISTING FREEWAY WIRING (SOME AREAS)



2 WIRE - 120, 240, OR 480 VAC TO GROUND



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR



DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT

DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT

FREEWAY LIGHTING UNIT POLE WIRING

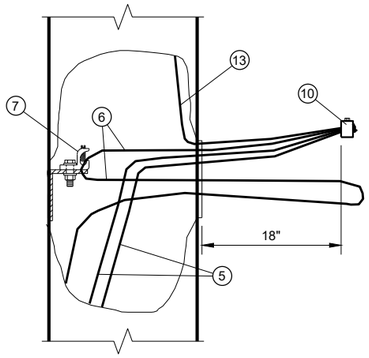
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

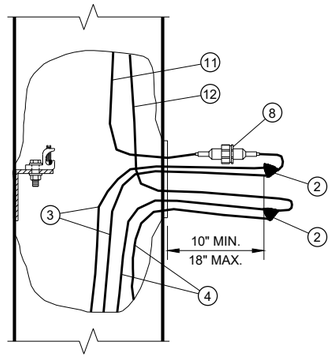
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

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SDD 09E02 - 05

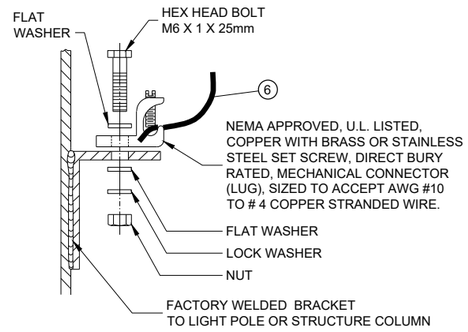


EQUIPMENT GROUNDING CONDUCTOR SLACK



UNGROUNDED CONDUCTOR SLACK (AND GROUNDED NEUTRAL SLACK IN GROUNDED NEUTRAL SYSTEM)

TYPICAL CONDUCTOR SLACK AT HANDHOLES



HANDHOLE GROUNDING LUG

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

GENERAL NOTES

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

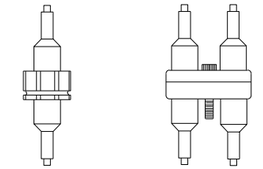
USE THIS DETAIL IN CONJUNCTION WITH THE ELECTRICAL DETAILS FOR THE APPLICATION, WHICH MAY BE A LIGHT POLE, SIGN BRIDGE, ETC.

THE GROUNDING ELECTRODE CONDUCTOR SHALL BE CONTINUOUS WITHOUT SPLICES FROM THE GROUNDING ELECTRODE THROUGH THE HANDHOLE GROUNDING LUG TO THE CONNECTOR.

THREE POLE WIRES ARE SHOWN FOR A SINGLE LUMINAIRE LIGHT POLE. THREE ADDITIONAL POLE WIRES REQUIRED FOR TWIN LUMINAIRE LIGHT POLES ARE OMITTED FROM THE DRAWING FOR CLARITY. IN THE TWIN POLE CASE, BUNDLE EACH SET OF THREE WIRES WITH A NYLON CABLE TIE.

IN 3-PHASE SYSTEMS, THERE WILL BE ONE MORE UNGROUNDED LINE WIRE, WHICH IS OMITTED FROM THE DRAWING FOR CLARITY.

CIRCUIT TAGS SHALL BE INSTALLED ONLY WHERE REQUIRED IN THE SPECIAL PROVISIONS.



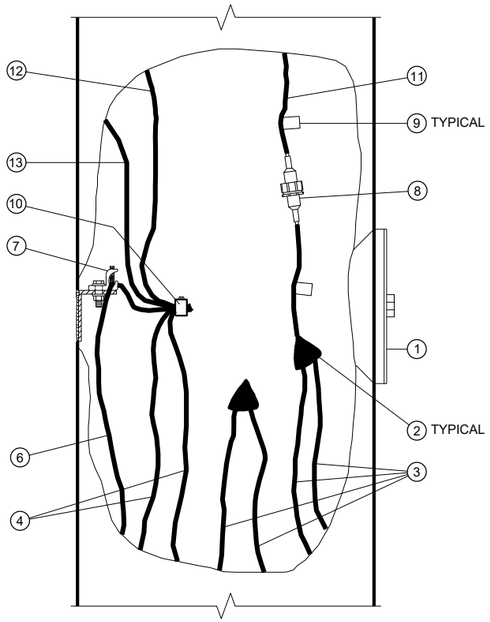
1 POLE (1P) 2 POLE (2P)

FUSE ASSEMBLIES

CONDUCTOR COLOR CODES

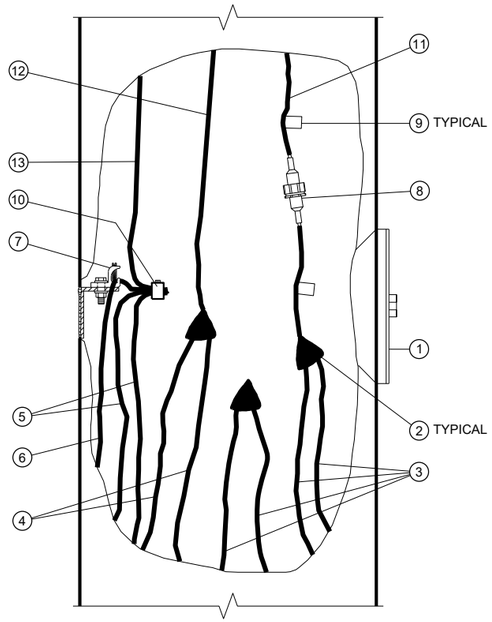
KEY	CONDUCTOR	COLOR
3	UNGROUNDED LINE WIRE	*
4	GROUNDED LINE WIRE	WHITE
5	SYSTEM GROUNDING LINE WIRE	GREEN
6	GROUNDING ELECTRODE CONDUCTOR	BARE
11	UNGROUNDED POLE WIRE	*
12	GROUNDED POLE WIRE	WHITE
13	EQUIPMENT GROUNDING POLE WIRE	GREEN

* FOLLOW COLOR CODING SHOWN IN THE PLANS. WHERE THE PLANS DO NOT SHOW COLOR CODING, USE BLACK FOR SINGLE LUMINAIRE POLES; BLACK AND RED FOR TWIN LUMINAIRE POLES.



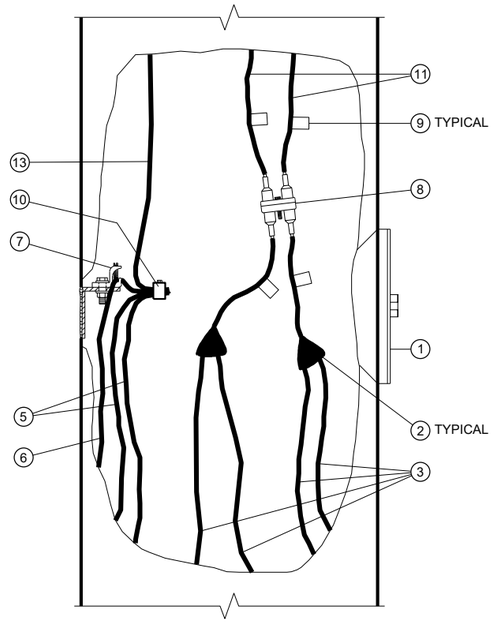
CUTAWAY HANDHOLE DETAIL

GROUNDED NEUTRAL SYSTEMS
1-ϕ



CUTAWAY HANDHOLE DETAIL

ISOLATED NEUTRAL SYSTEMS
1-ϕ SHOWN; 3-ϕ WYE SIMILAR
(SEE GENERAL NOTE)



CUTAWAY HANDHOLE DETAIL

PHASE TO PHASE SYSTEMS
1-ϕ SHOWN; 3-ϕ DELTA SIMILAR
(SEE GENERAL NOTE)

NOTE: REQUIRED CONDUCTOR SLACK NOT SHOWN ON "CUTAWAY HAND HOLE" DETAILS FOR DRAWING CLARITY, SEE "TYPICAL CONDUCTOR SLACK AT HANDHOLES" ON THIS SHEET.

1. HANDHOLE AND COVER
2. INSULATED SPLICE
3. UNGROUNDED LINE WIRE
4. GROUNDED LINE WIRE
5. SYSTEM GROUNDING LINE WIRE
6. GROUNDING ELECTRODE CONDUCTOR
7. HANDHOLE GROUNDING LUG
8. FUSE ASSEMBLY, 1P OR 2P AS REQUIRED
9. CIRCUIT TAG (SEE GENERAL NOTE)
10. REVERSIBLE PRESSURE OR COMPRESSION GROUNDING CONNECTOR (NOT INSULATED)
11. UNGROUNDED POLE WIRE
12. GROUNDED POLE WIRE
13. EQUIPMENT GROUNDING POLE WIRE

ELECTRICAL HANDHOLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 347

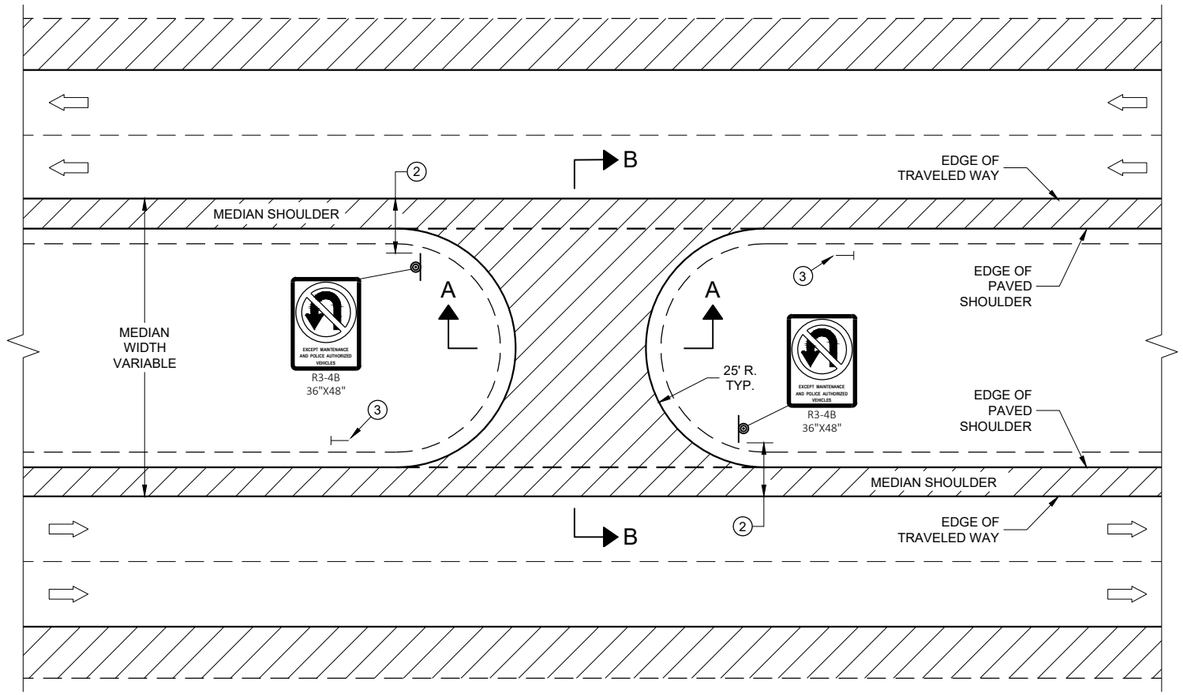
FHWA

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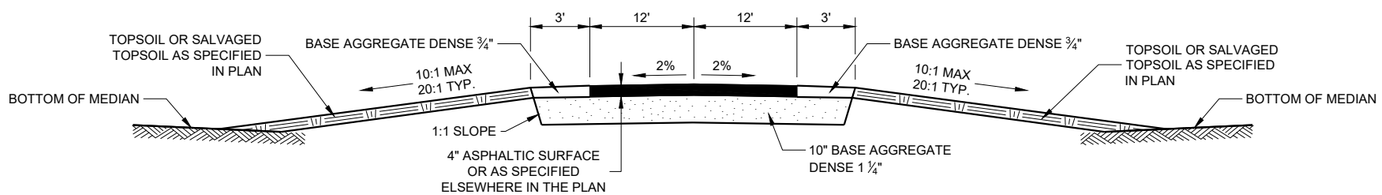
SDD 10A01 - 04

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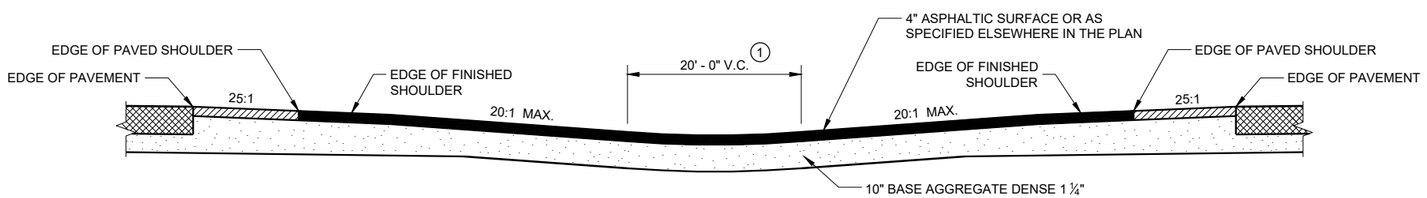
SDD 10A01 - 04



PLAN VIEW



SECTION A-A



SECTION B-B

GENERAL NOTES

1. ADJUST VERTICAL CURVE LOCATION LATERALLY TO MAINTAIN 20:1 MAX.
2. SIGNING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.
3. INSTALL DELINEATOR. SEE STANDARD DETAIL DRAWING 15A4.

LEGEND

- SIGN ON PERMANENT SUPPORT
- DELINEATOR
- DIRECTION OF TRAFFIC

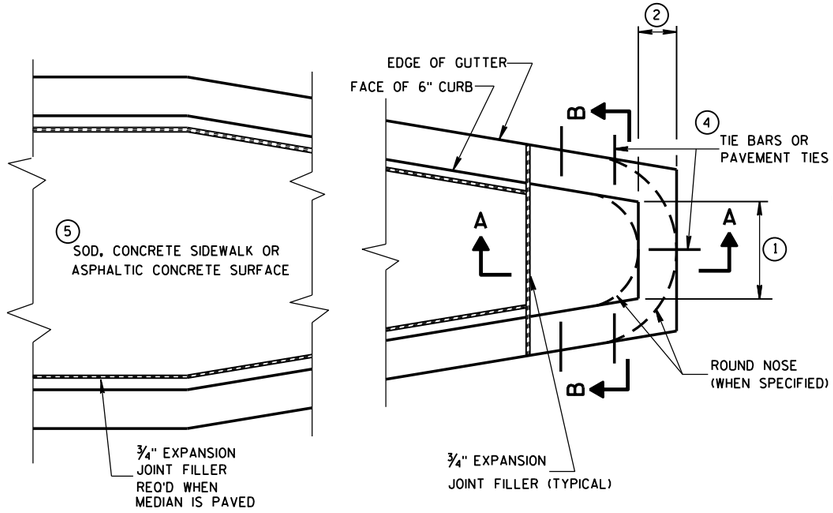
MAINTENANCE CROSSOVER FOR FREEWAYS

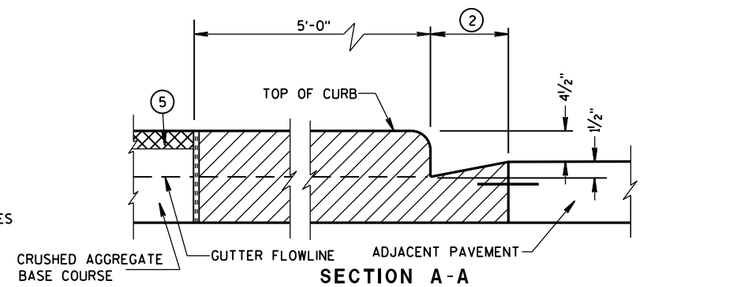
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

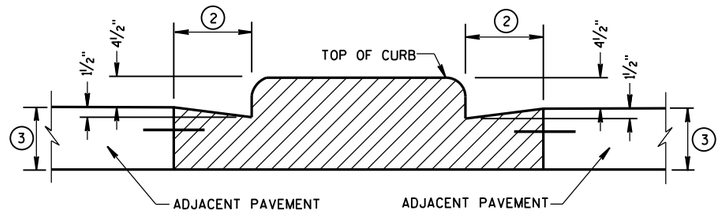
APPROVED
November 2019 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

6
SDD 11A01 - 06







CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

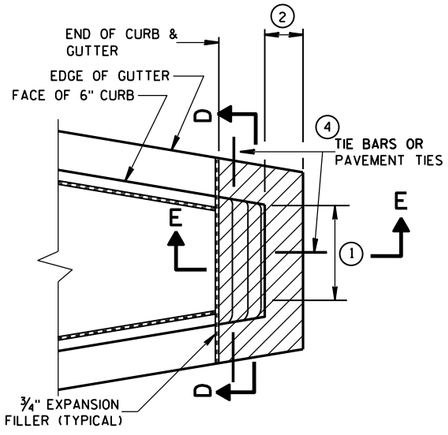
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

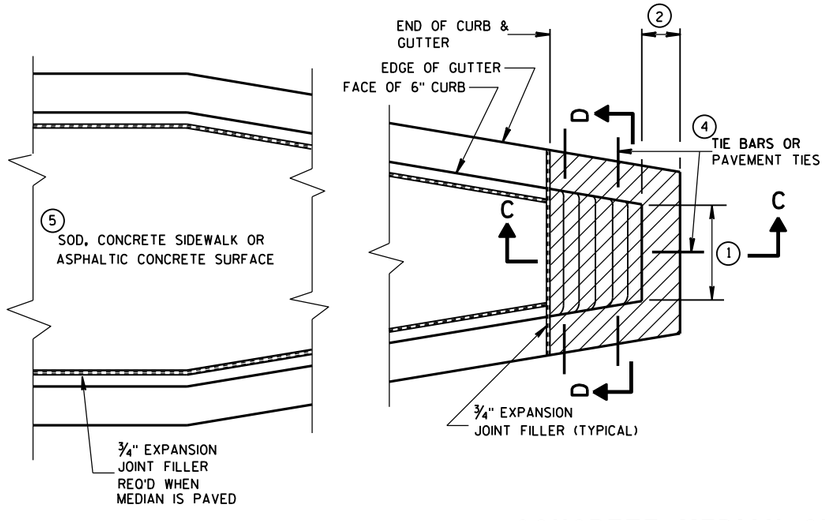
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

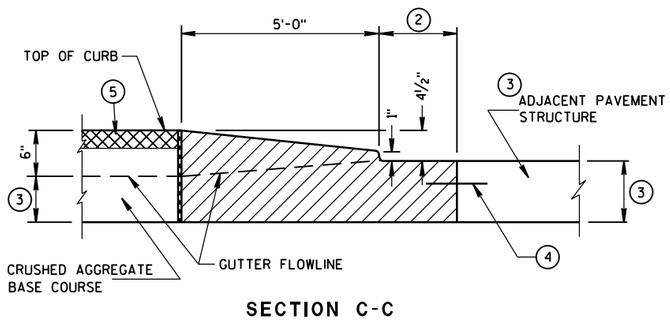
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

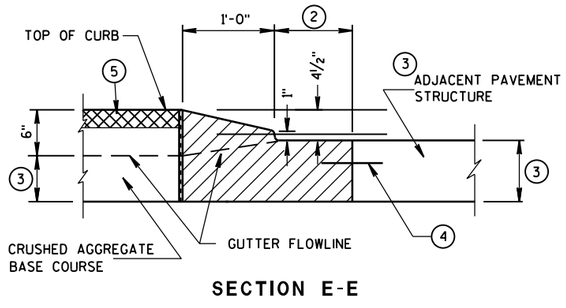
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



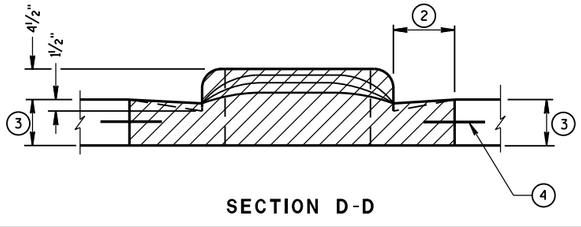




CONCRETE MEDIAN SLOPED NOSE TYPE 1



CONCRETE MEDIAN SLOPED NOSE TYPE 2



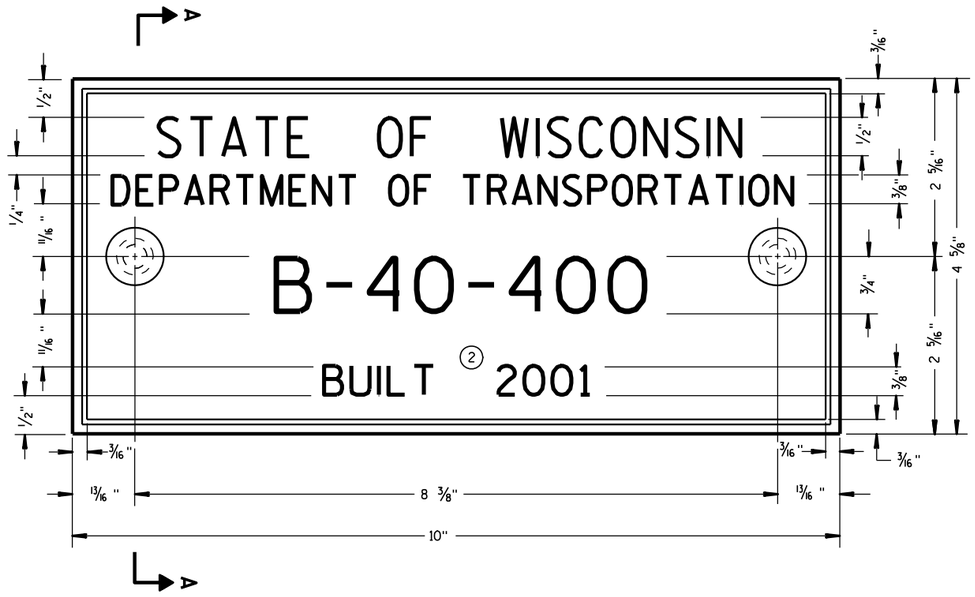
CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/8/2006 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

S.D.D. 11 B 2-2

S.D.D. 11 B 2-2



TYPICAL NAME PLATE
(BRIDGES, CULVERTS, AND RETAINING WALLS)

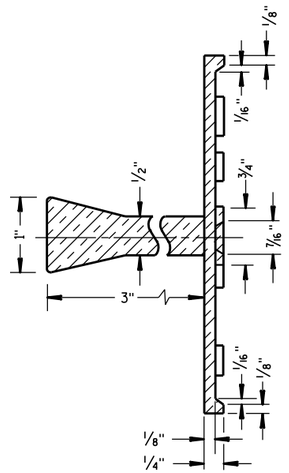
GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

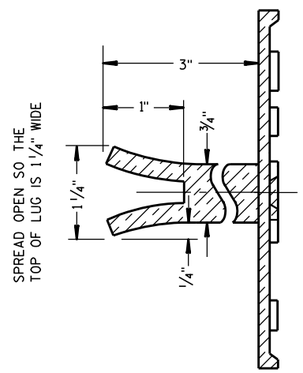
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

(1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SECTION A-A



ALTERNATE LUG

FOR MULTI-UNIT STRUCTURES LINE 3 ABOVE SHALL READ

B = BRIDGE
C = CULVERT
R = RETAINING WALL

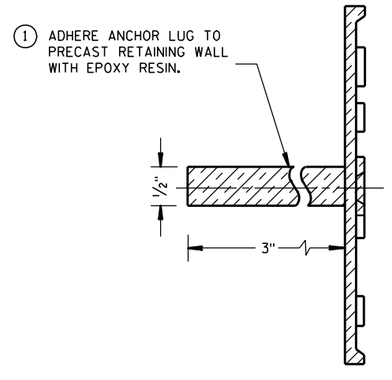
COUNTY NO.

BRIDGE NO.

UNIT NO. FOR MULTIPLE UNIT BRIDGE

B-40-400-1A

NUMBERING DESIGNATION
MULTI-UNIT STRUCTURES



ALTERNATE LUG
(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/26/10 DATE

/S/ Scot Beck -- CHIEF STRUCTURAL DEVELOP 350 ENGINEER

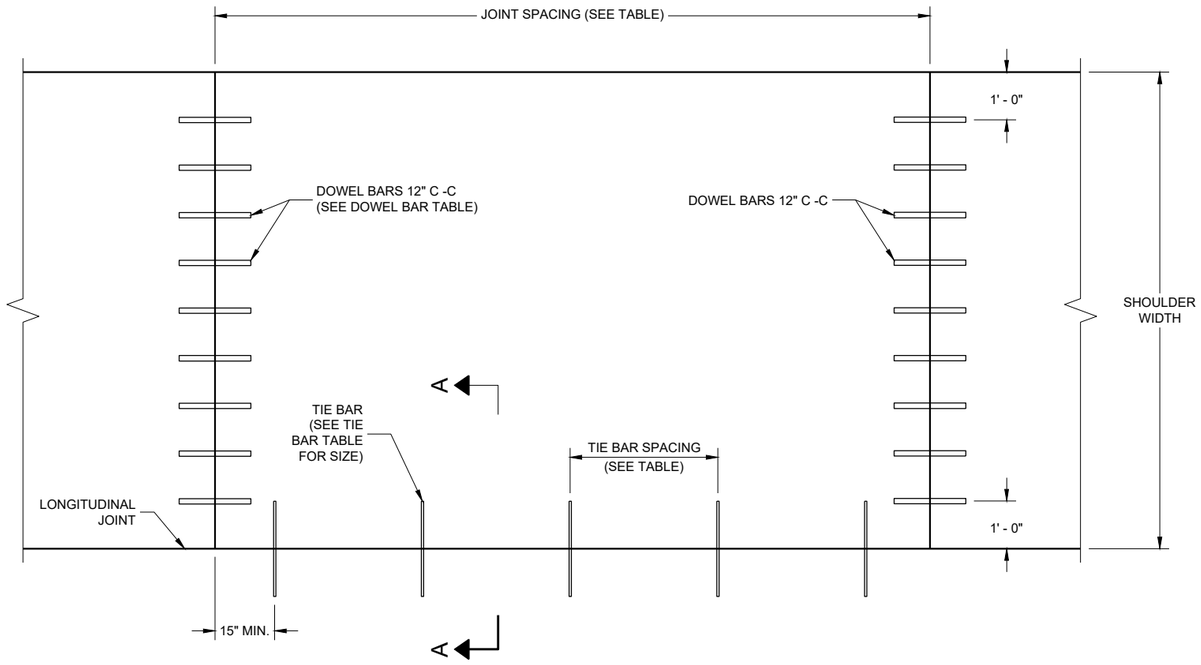
FHWA

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S.D.D. 12 A 3-10

6

S.D.D. 12 A 3-10



PLAN VIEW

CONCRETE PAVEMENT SHOULDER

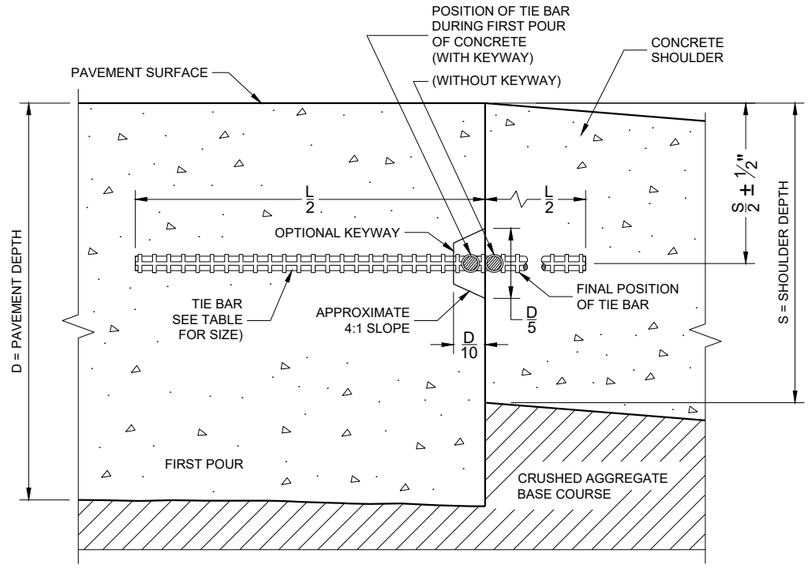
GENERAL NOTES

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

TRANSVERSE JOINT DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

FINISH THE SHOULDER PAVEMENT CONFORMING TO SUBSECTION 415.3.8 OF THE STANDARD SPECIFICATIONS.

TIE BARS SHALL CONFORM TO SUBSECTION 505.2.4 OF THE STANDARD SPECIFICATIONS.



SECTION A - A

LONGITUDINAL CONSTRUCTION JOINT

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
<10 ½"	NO. 4	30"	36"
>10 ½"	NO. 5	36"	36"
	NO. 4*	30"	24"**

* SUBSTITUTE BENT BATS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES.

** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER ***	CONTRACTION JOINT SPACING
6", 6 ½"	NONE	12"
7", 7 ½"	1"	14"
8" & ABOVE	1 ¼"	15"

*** FOR DOWELED CONCRETE SHOULDERS WITH TRAPEZOIDAL CROSS SECTIONS, CHOSE THE APPROPRIATE DOWEL BAR DIAMETER BASED ON THE SMALLER PAVEMENT DEPTH (LIKELY THE OUTSIDE EDGE OF THE SHOULDER). IF USING BASKETS, USE BASKETS FRO THE AVERAGE THICKNESS OF THE CROSS SECTION.

CONCRETE PAVEMENT SHOULDERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

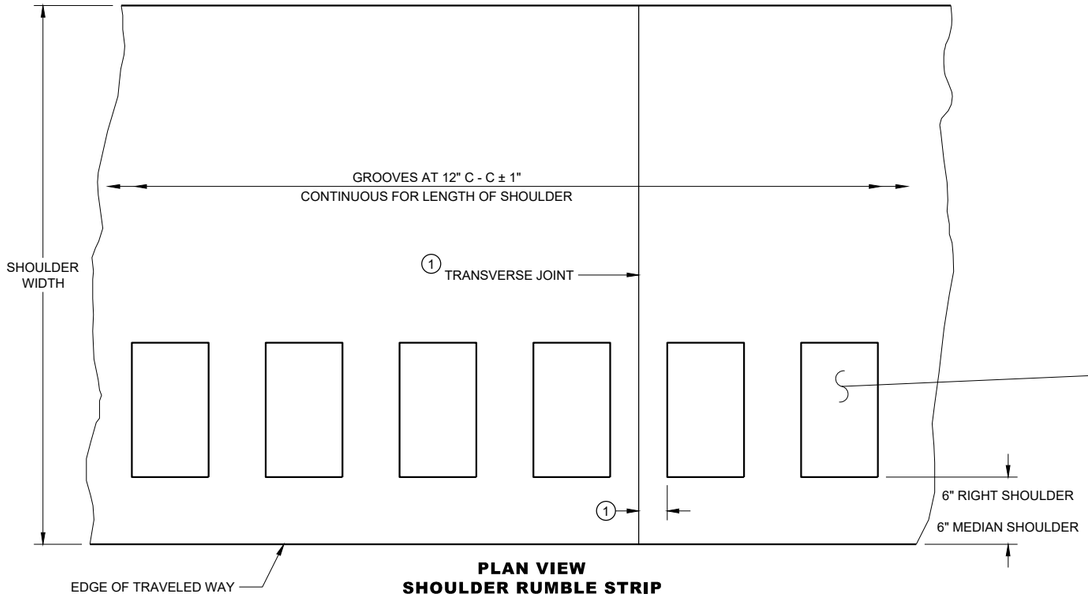
APPROVED
November 2022
DATE

/S/ Peter Kemp
PAVEMENT SUPERVIS

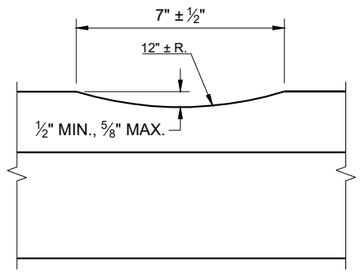
FHWA

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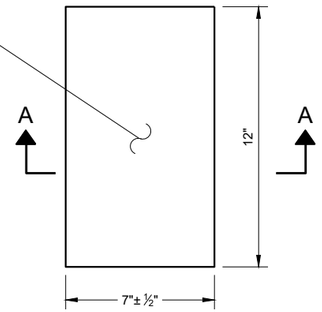
SDD 13A03 - 07



PLAN VIEW
SHOULDER RUMBLE STRIP



SECTION A - A



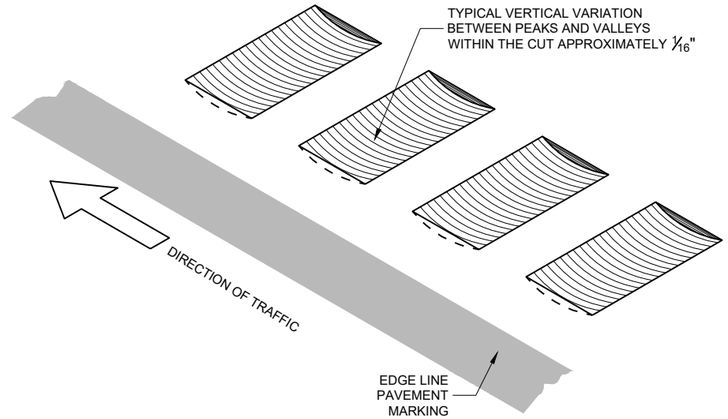
PLAN VIEW
(SINGLE GROOVE)

GENERAL NOTES

SDD 13A5, SHEET "b" SHOWS THE LOCATION OF THE RUMBLE STRIPS AT RAMP AND GORE LOCATIONS.

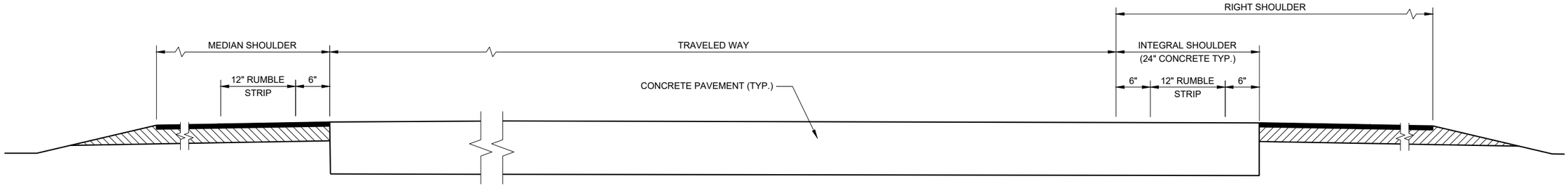
RUMBLE STRIPS ON EXPRESSWAYS:
DO NOT INSTALL SHOULDER RUMBLE STRIPS ACROSS SIDE ROAD INTERSECTIONS, COMMERCIAL AND PRIVATE DRIVEWAYS, ADJACENT TO RIGHT TURN LANES, LEFT TURN LANES, TURN LANE TAPERS, 25' IN ADVANCE OF BRIDGE DECKS, 25' IN ADVANCE OF BRIDGE APPROACHES, OR 100 FEET IN ADVANCE OF RAILROAD CROSSINGS.

(1) CONCRETE PAVEMENT - RUMBLE STRIPS SHALL BE A MINIMUM OF 6 INCHES AWAY FROM TRANSVERSE JOINTS.



ISOMETRIC

PLACEMENT DETAIL FOR RUMBLE STRIP



SECTION VIEW

TYPICAL SHOULDER RUMBLE STRIPS
(ONE ROADWAY IS SHOWN)

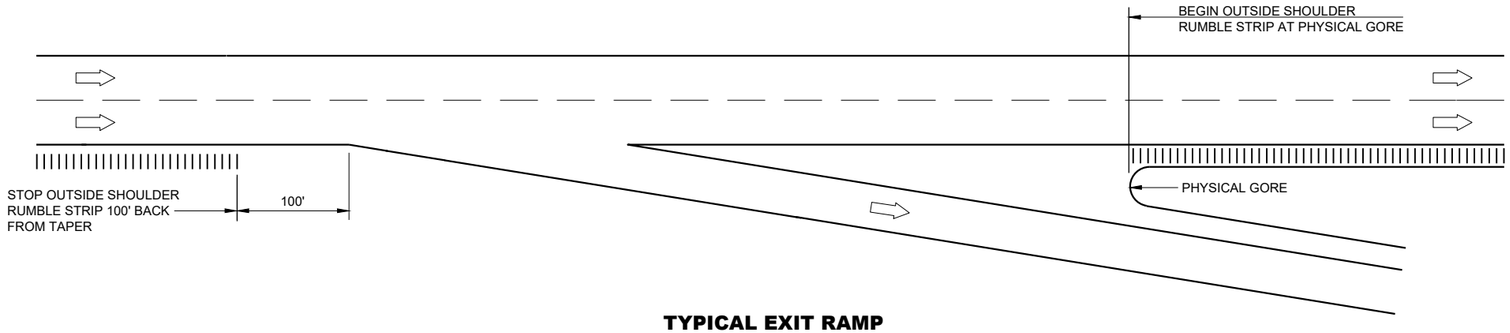
SHOULDER RUMBLE STRIPS, DIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

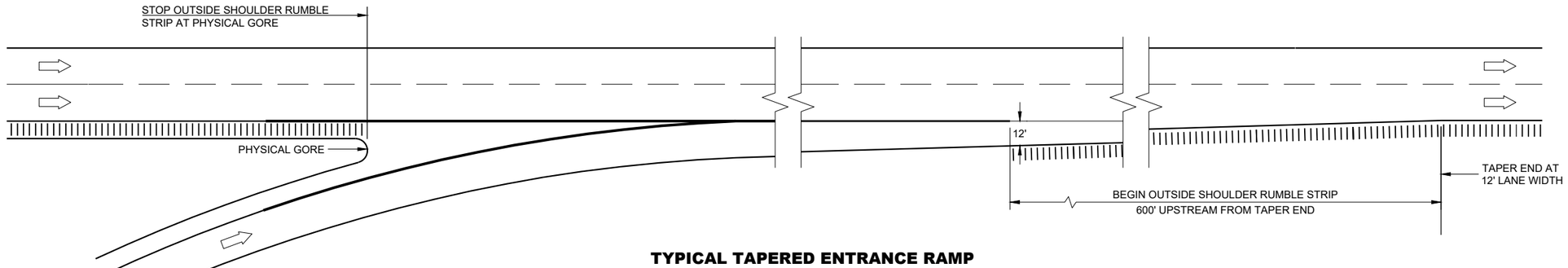
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SDD 13A05-06a

SDD 13A05-06a

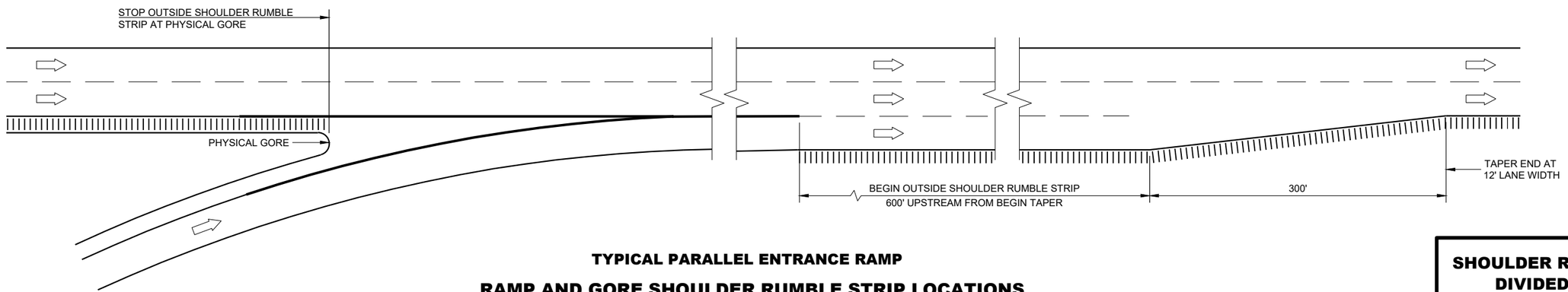


TYPICAL EXIT RAMP



TYPICAL TAPERED ENTRANCE RAMP

RAMP AND GORE SHOULDER RUMBLE STRIP LOCATIONS



TYPICAL PARALLEL ENTRANCE RAMP

RAMP AND GORE SHOULDER RUMBLE STRIP LOCATIONS

GENERAL NOTES

NO RUMBLE STRIP ON EXIT, DIRECTIONAL OR ENTRANCE RAMPS, EXCEPT NEAR THE ENTRANCE TAPER END AND ALONG THE PARALLEL RAMP AREA AS SHOWN.

RUMBLE STRIPS ON EXPRESSWAYS:
DO NOT INSTALL SHOULDER RUMBLE STRIPS ACROSS SIDE ROAD INTERSECTIONS, COMMERCIALAND PRIVATE DRIVEWAYS, ADJACENT TO RIGHT TURN LANES, LEFT TURN LANES, TURN LANE TAPERS, 25' IN ADVANCE OF BRIDGE DECKS, 25' IN ADVANCE OF BRIDGE APPROACHES, OR 100 FEET IN ADVANCE OF RAILROAD CROSSINGS.

LEGEND

DIRECTION OF TRAFFIC

SHOULDER RUMBLE STRIPS, DIVIDED ROADWAY

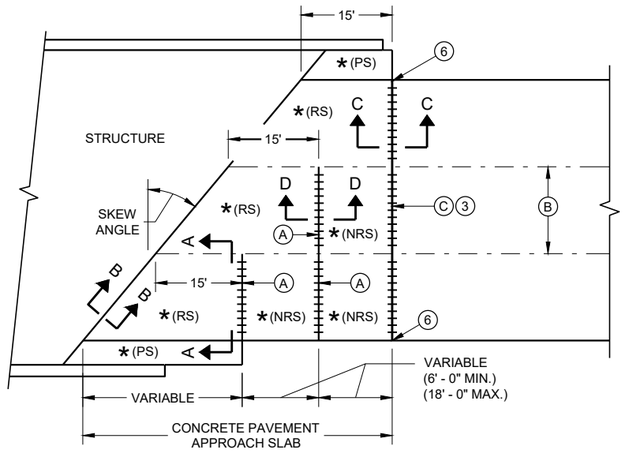
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Rodney Taylor — ROADWAY DESIGN STANDARDS UNIT SUPERVISOR
FHWA

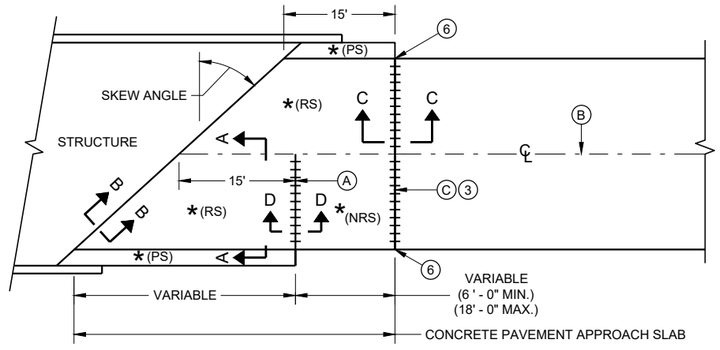
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SDD 13A05-06b

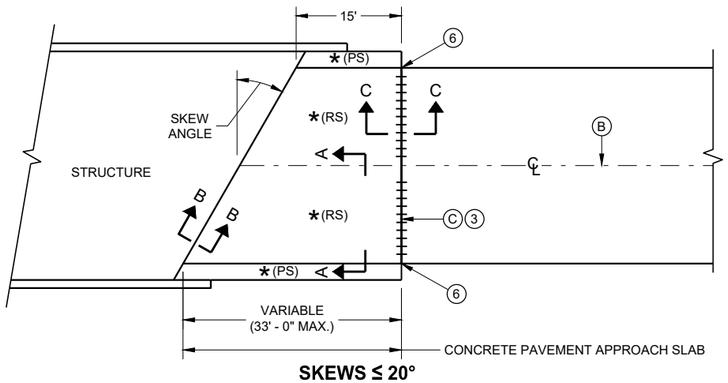
SDD 13A05-06b



SKEWED APPROACH
(PAVEMENT MORE THAN TWO LANES)



SKEWS > 20°
(PAVEMENT WIDTH ≤ 30')



SKEWS ≤ 20°
(PAVEMENT WIDTH ≤ 30')

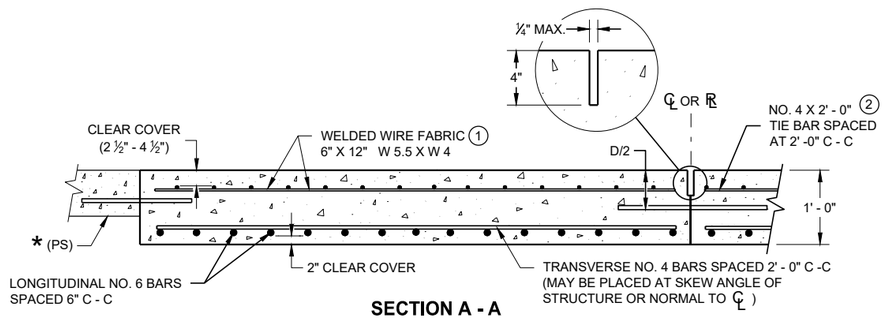
APPROACH SLAB AND ADJACENT PAVEMENT

* (RS) = REINFORCED CONCRETE SLAB

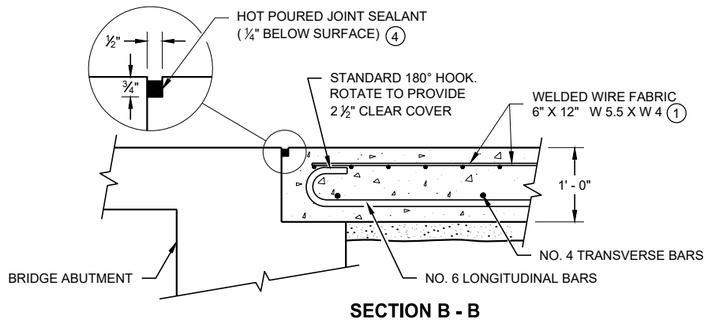
* (PS) = PAVED CONCRETE SHOULDER OR CONCRETE DRAINAGE SLAB

* (NRS) - NON - REINFORCED CONCRETE SLAB

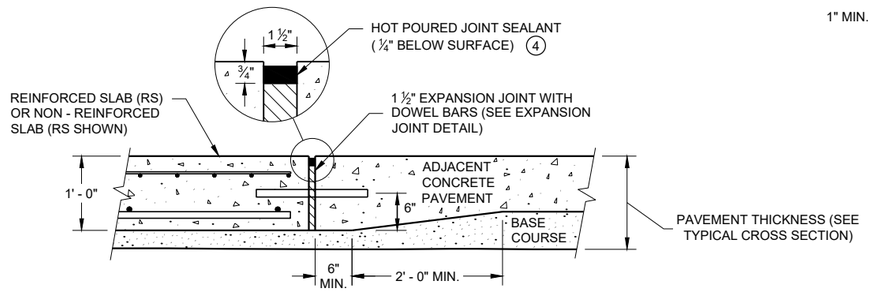
*** STANDARD DOWEL BAR DIAMETER (SEE SDD 13C11 AND SDD 13C13)



SECTION A - A
REINFORCEMENT POSITIONING DETAIL



SECTION B - B
BEND DETAIL
BOTTOM REINFORCEMENT



SECTION C - C
TRANSITION DETAIL
APPROACH SLAB TO ADJACENT PAVEMENT

GENERAL NOTES

THE CONTRACTOR MAY SPLICE NO. 6 BARS IN THE APPROACH SLAB FOR SKEWED STRUCTURES ONLY. STAGGER SPLICES WITH A MAXIMUM OF ONE SPLICE PER BAR. THE LENGTH OF LAP IS 20 INCHES.

TACK WELD DOWEL BARS TO THE BASKETS ON ALTERNATE ENDS.

(1) THE CONTRACTOR MAY USE NO. 4 BARS SPACED AT 2' - 0 " C - C IN BOTH THE LONGITUDINAL AND TRANSVERSE DIRECTIONS FOR TOP REINFORCEMENT AS AN ALTERNATIVE TO THE WELDED WIRE FABRIC.

(2) THE CONTRACTOR MAY OMIT THE BARS BETWEEN REINFORCED SLABS WHERE SLAB REINFORCEMENT BARS EXTEND ACROSS THE CENTERLINE OR REFERENCE LINE.

(3) DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING AN HMA PAVEMENT.

(4) USE A JOINT SEALANT CONFORMING TO STANDARD SPECIFICATION 415.2.6.

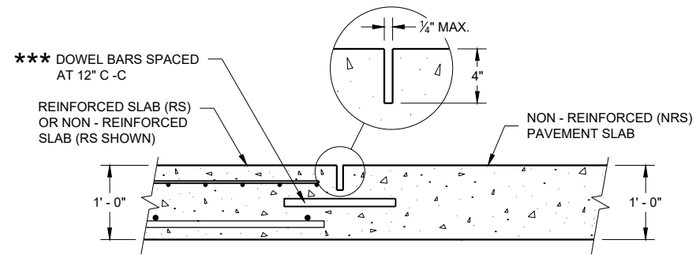
(5) PLACE EXPANSION CAP ON THE END OF THE DOWEL THAT IS NOT TACK WELDED TO THE BASKET. DO NOT FORCE DOWEL BAR PAST THE DOWEL STOP.

(6) EXTEND EXPANSION JOINT THROUGH ANY ADJACENT TIED CONCRETE.

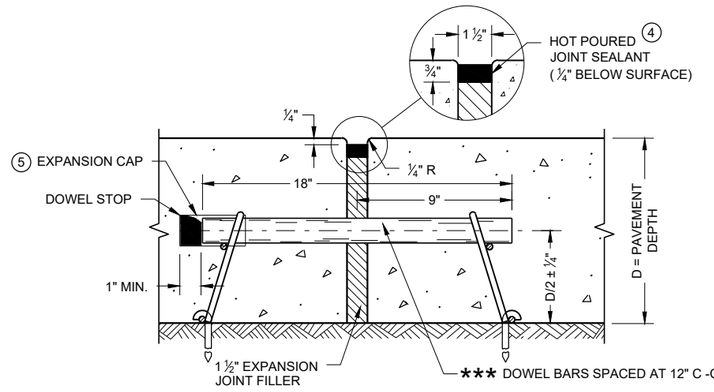
(A) STANDARD CONTRACTION JOINT NORMAL TO ℄ OR ℞.

(B) STANDARD LONGITUDINAL JOINT WITH TIE BARS.

(C) 1 ½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℞ .



SECTION D - D
CONTRACTION JOINT



EXPANSION JOINT DETAIL

CONCRETE PAVEMENT APPROACH SLAB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

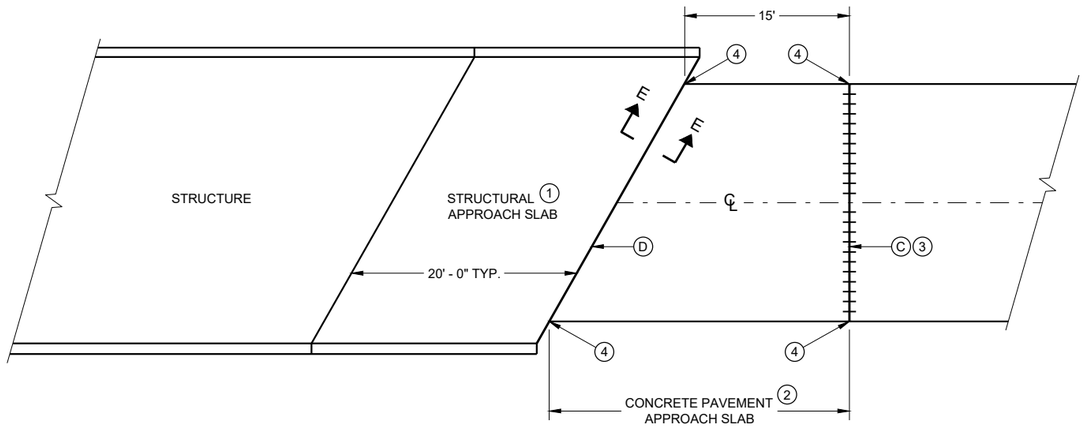
APPROVED
November 2018
DATE

/S/ Peter Kemp, P.E.
PAVEMENT SUPERVISOR

FHWA

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SDD 13B02 - 09a



BRIDGE APPROACHES

GENERAL NOTES

ALL PROJECTS THAT INVOLVE A STRUCTURAL APPROACH SLAB WILL ALSO HAVE A CONCRETE PAVEMENT APPROACH SLAB.

(1) SEE BRIDGE PLAN.

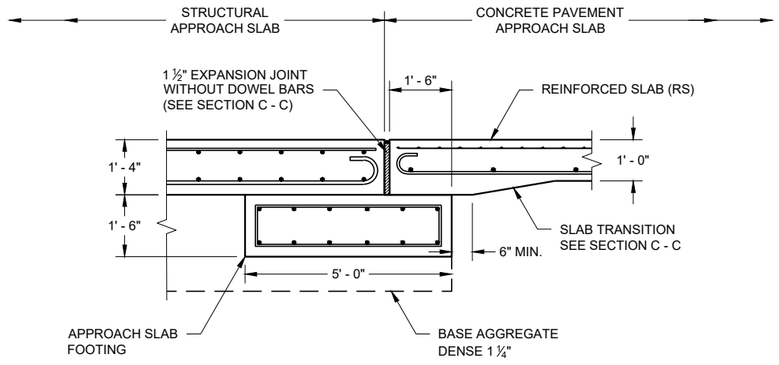
(2) CONFORM TO SDD 13B02 SHEET A FOR CONCRETE PAVEMENT APPROACH SLAB DETAILS

(3) DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING AN HMA PAVEMENT.

(4) EXTEND EXPANSION JOINT THROUGH ANY ADJACENT TIED CONCRETE.

(C) 1 ½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℞.

(D) 1 ½" EXPANSION JOINT (NO DOWELS)



SECTION E - E
FOOTING DETAIL
STRUCTURAL APPROACH SLAB TO CONCRETE BRIDGE APPROACH

STRUCTURAL APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB

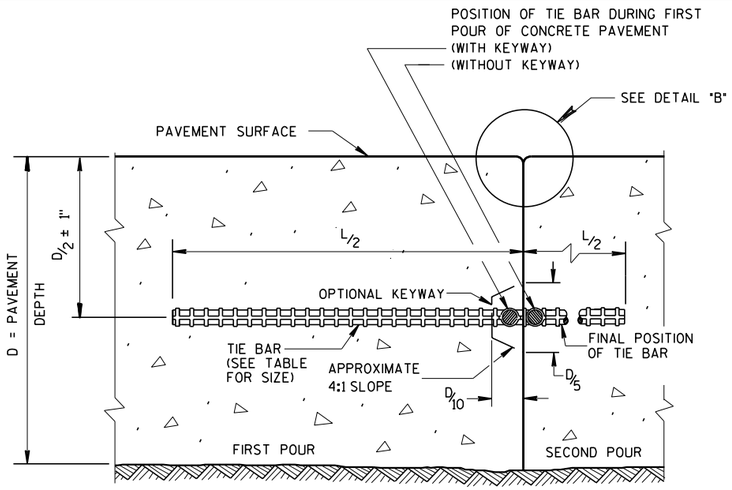
STATE OF WISCONSIN
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November 2018
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/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

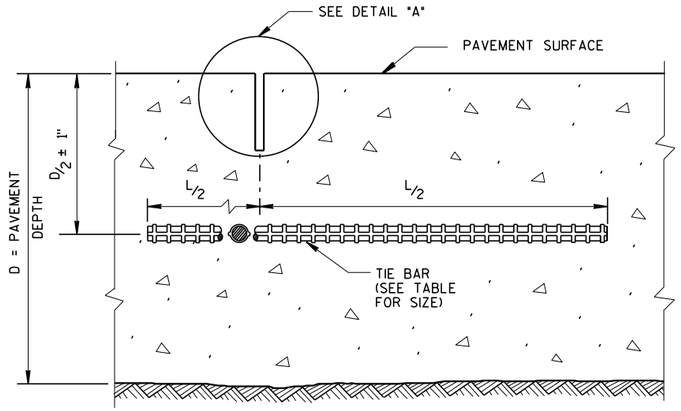
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SDD 13B02 - 09b



CONSTRUCTION JOINT



SAWED JOINT

GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

PLAN VIEW

SECTION A-A

LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

DETAIL "A"

DETAIL "B"

DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

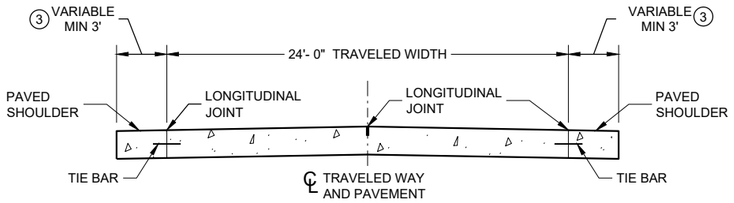
PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

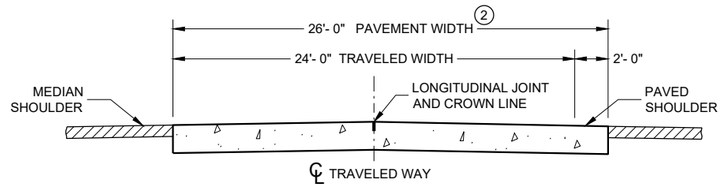
APPROVED
March 2018 — DATE
/S/ Peter Kemp, P.E. — PAVEMENT SUPE
FHWA

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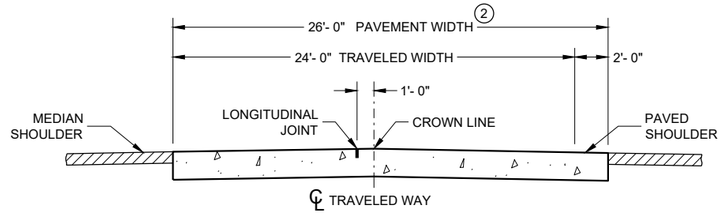


SECTION A - A

TWO-LANE TWO-WAY HIGHWAY (1)



SECTION B - B



ALTERNATIVE SECTION B - B

DIVIDED HIGHWAY (1)

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES FROM AND A MAXIMUM OF 18 INCHES FROM THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO THE CONTRACTION JOINTS.

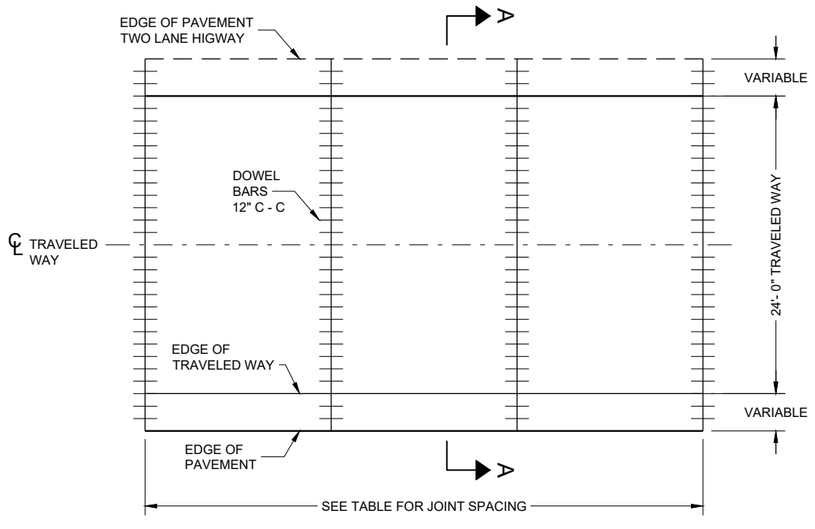
(1) REFER TO TYPICAL CROSS SECTIONS FOR ADDITIONAL DETAILS.

(2) MEASURE THE ENTIRE PAVED WIDTH INCLUDING THE PORTION(S) LABELED "PAVED SHOULDER" AS CONCRETE PAVEMENT.

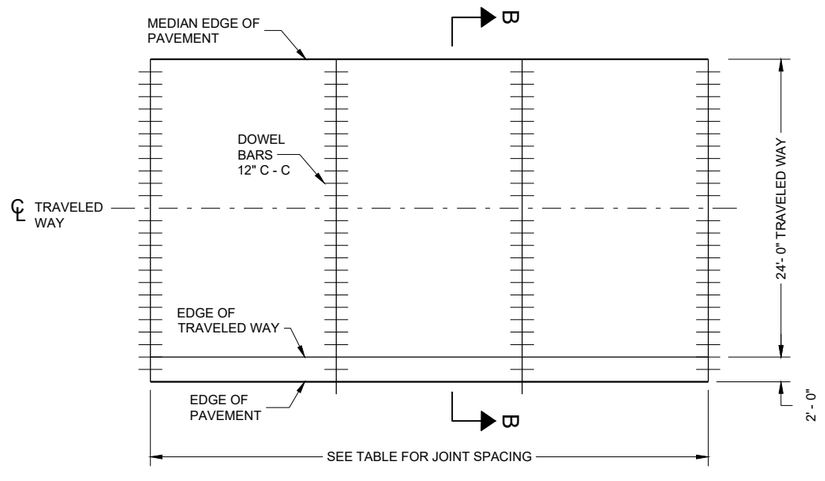
(3) SHOULDER WIDTHS LESS THAN 3 FEET SHALL BE PAVED INTEGRAL TO THE MAINLINE CONCRETE PAVEMENT, SEE SECTION B-B.

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8" & ABOVE	1 ¼"	15'



CONTRACTION JOINT LAYOUT FOR TWO-LANE TWO-WAY HIGHWAY



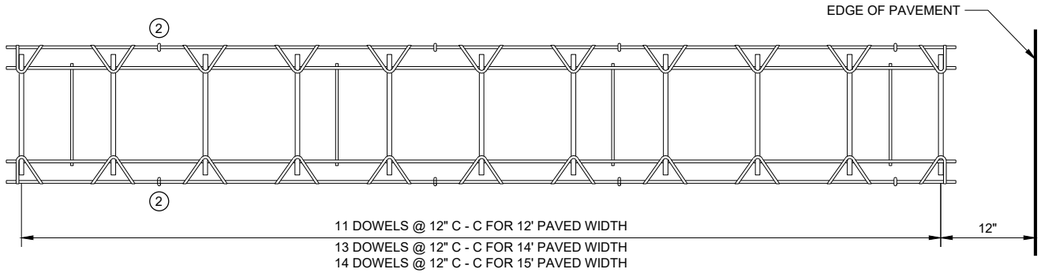
CONTRACTION JOINT LAYOUT FOR DIVIDED HIGHWAY

RURAL DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD13C11 - 14a



PLAN VIEW



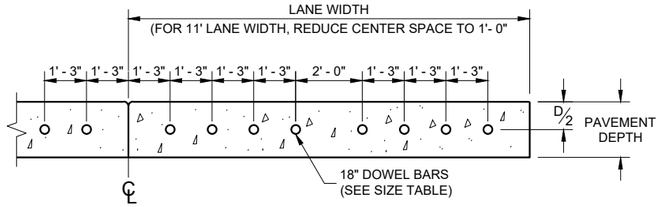
SIDE VIEW

(NORMAL TO CENTERLINE)

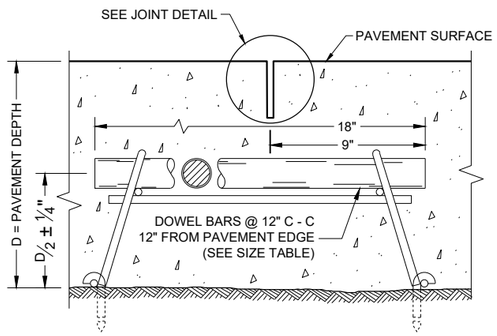
CONTRACTION JOINT DOWEL ASSEMBLY (1)

GENERAL NOTES

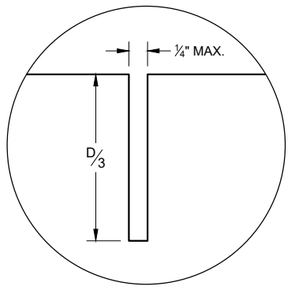
1. OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTION CONTRACTION JOINTS.
2. SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.
3. FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼" RADIUS AT FORMED JOINTS.
4. PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.
5. INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C - C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO THE "DRILLED DOWEL BAR CONSTRUCTION JOINT" DETAIL.
6. APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.
7. ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛" GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



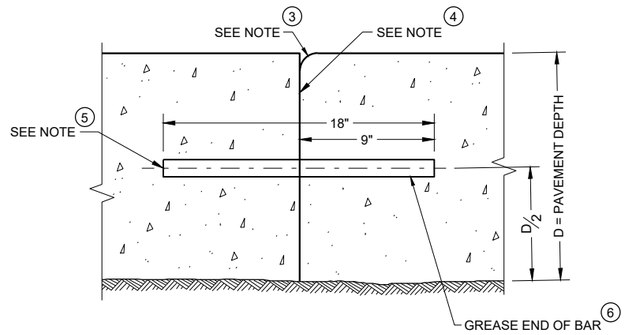
DRILLED DOWEL BAR CONSTRUCTION JOINT (7)



DOWELED CONTRACTION JOINT



JOINT DETAIL



TRANSVERSE CONSTRUCTION JOINT

RURAL DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

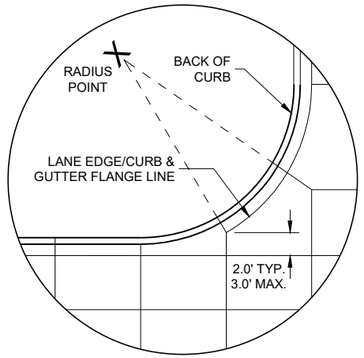
APPROVED
November 2022
DATE

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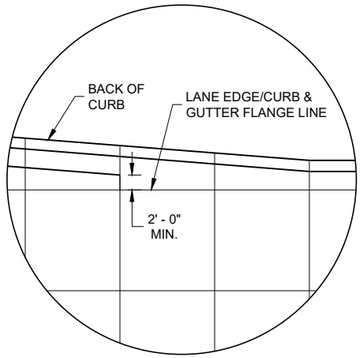
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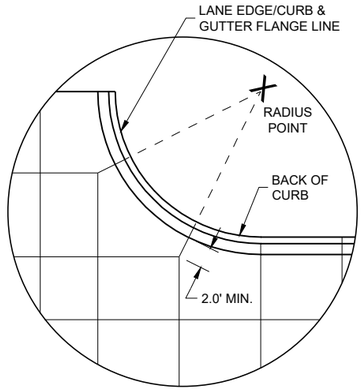
SDD 13C11 - 14b
SDD 13C11 - 14b



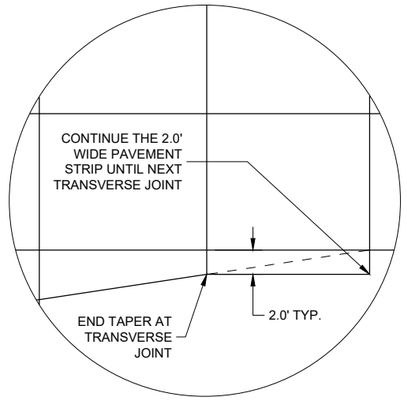
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

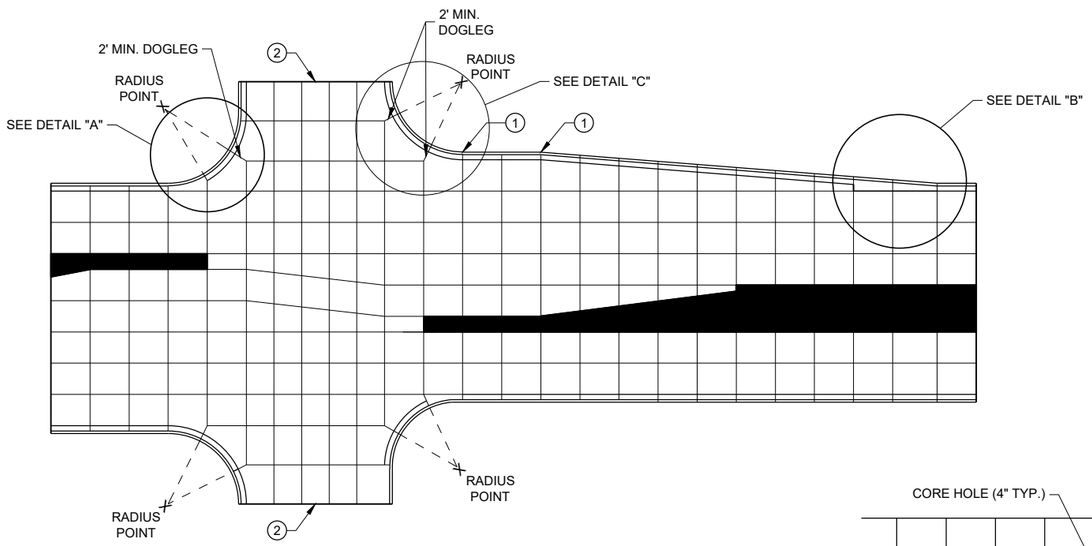
AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.

(2) CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.

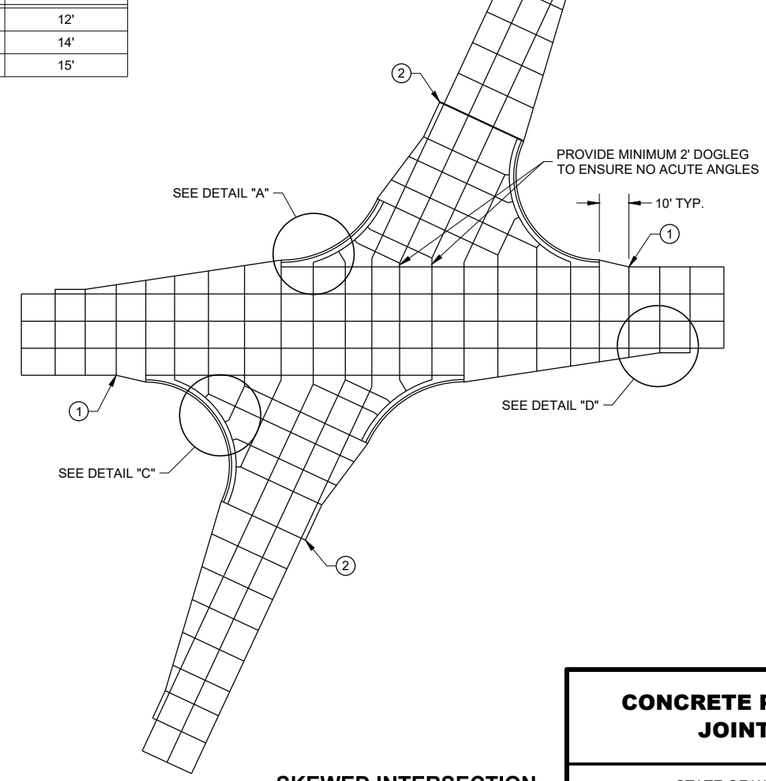
(3) THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



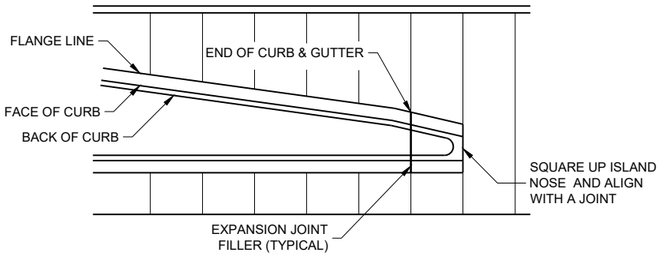
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

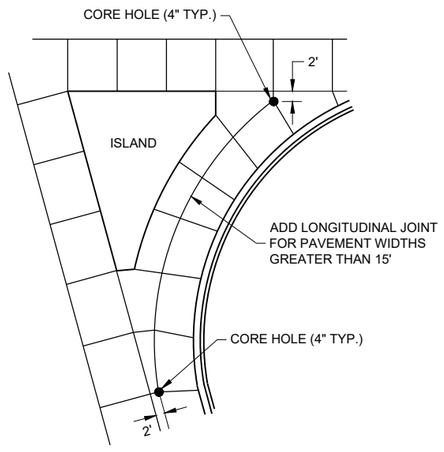
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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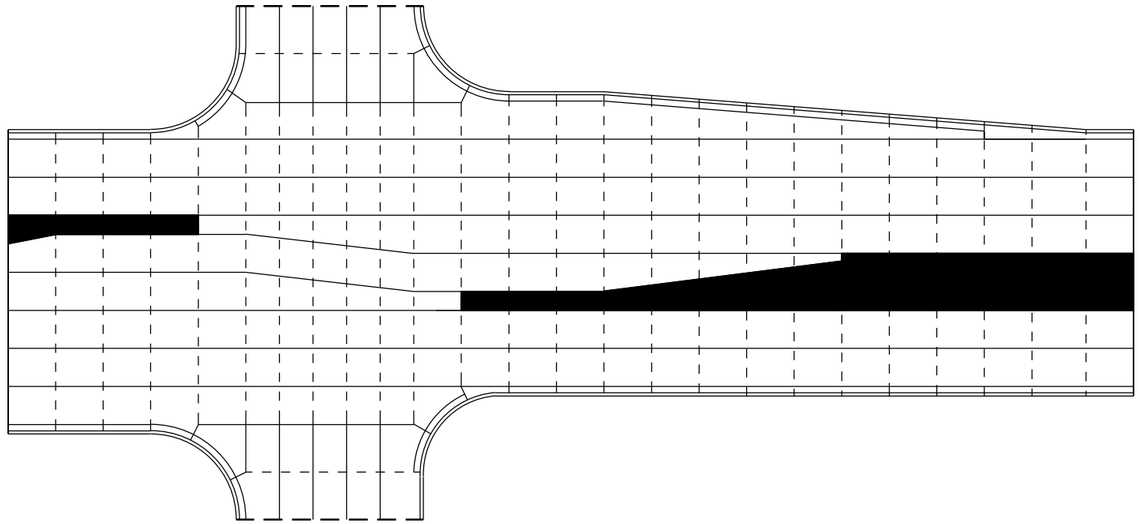
SDD 13C18 - 08a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

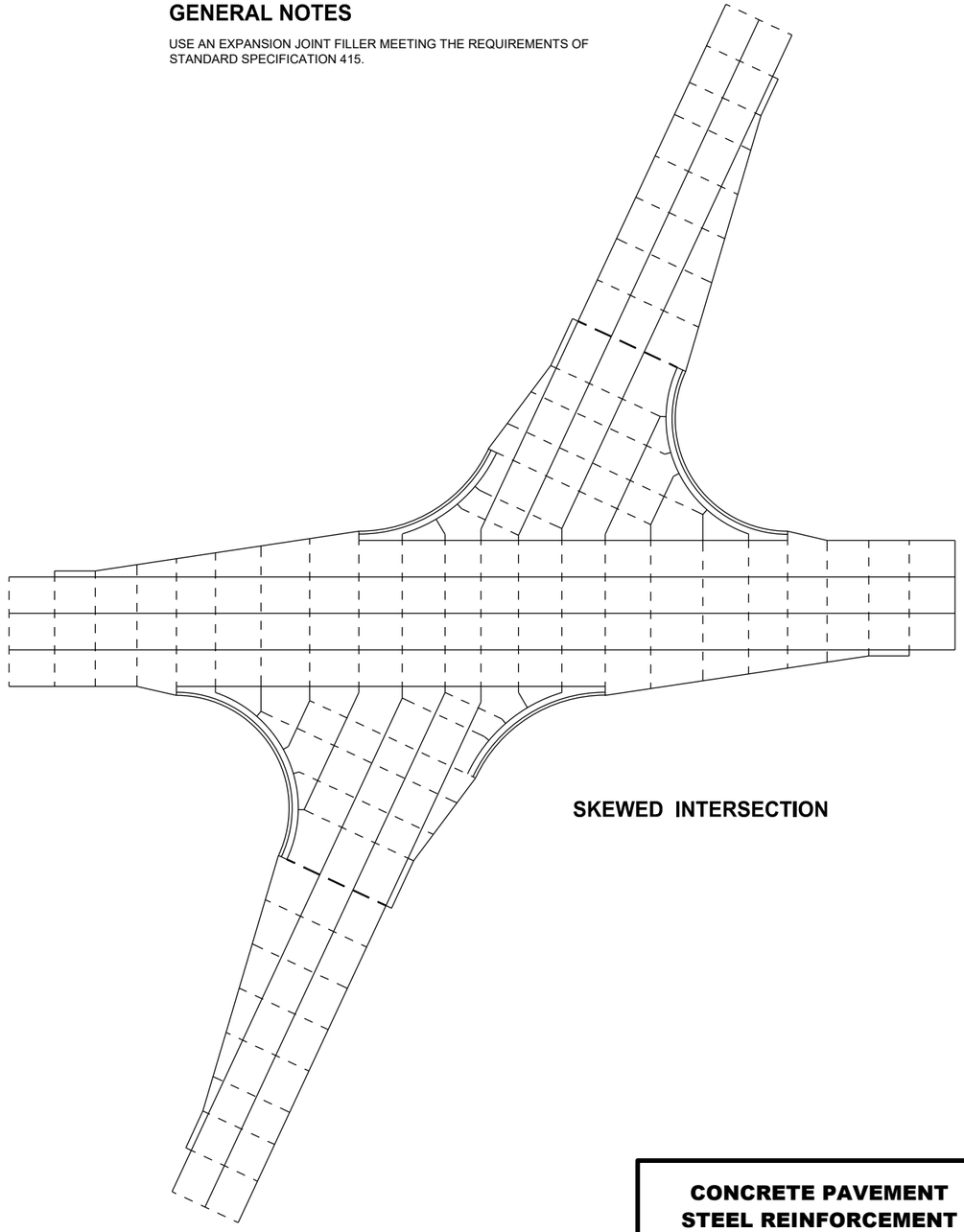
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

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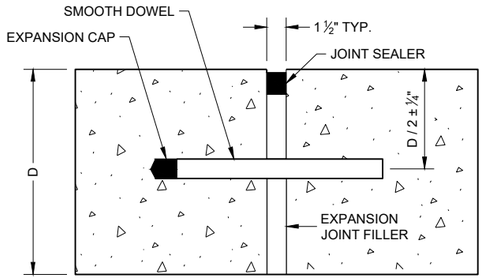
SDD 13C18 - 08b

CONCRETE PAVEMENT STEEL REINFORCEMENT

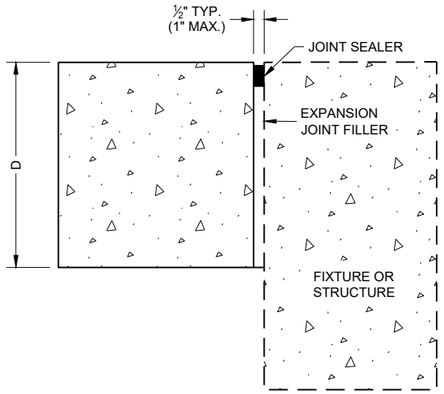
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA1 360

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SDD 13C18 - 08b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

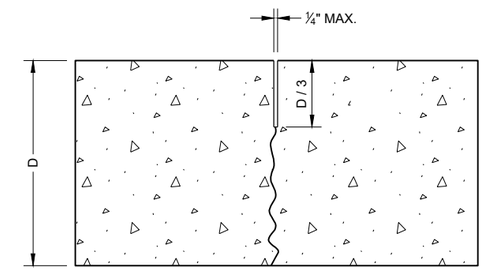
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

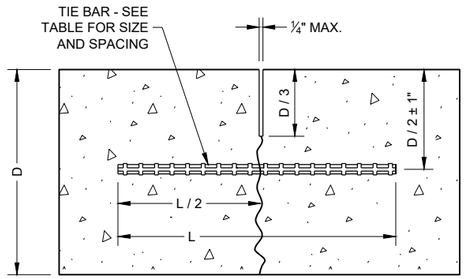
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

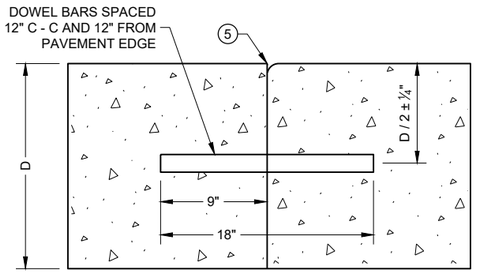
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A ¼" RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



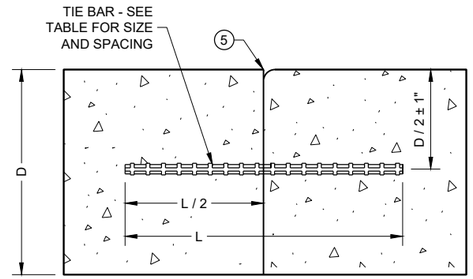
UNDOWELED TRANSVERSE



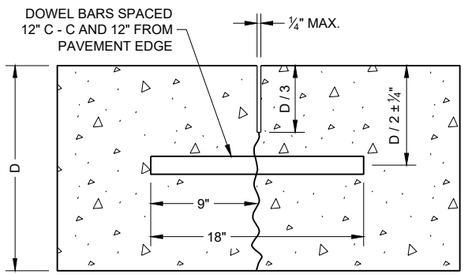
TIED LONGITUDINAL



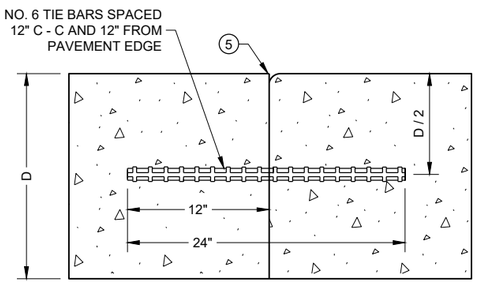
DOWELED TRANSVERSE (3)



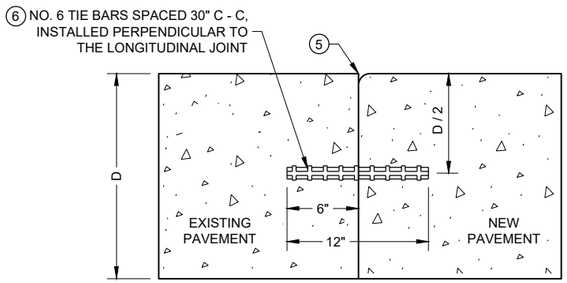
TIED LONGITUDINAL



DOWELED TRANSVERSE



TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)

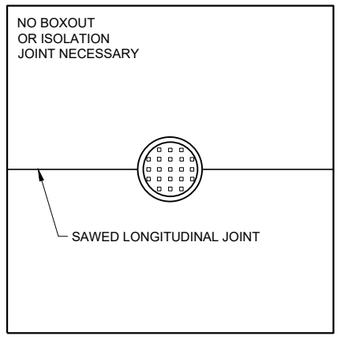


TIED LONGITUDINAL TO EXISTING

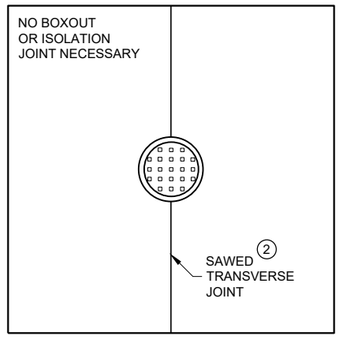
CONTRACTION JOINTS (2)

CONSTRUCTION JOINTS (4)

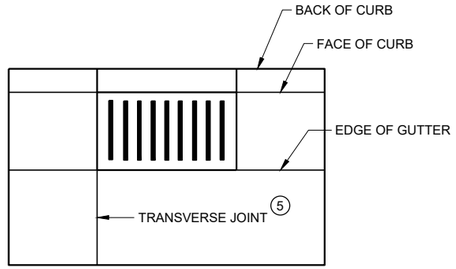
CONCRETE PAVEMENT JOINT TYPES



MANHOLE WITH LONGITUDINAL JOINT



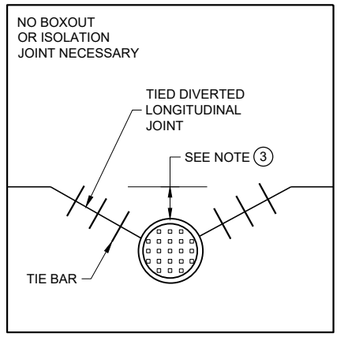
MANHOLE WITH TRANSVERSE JOINT



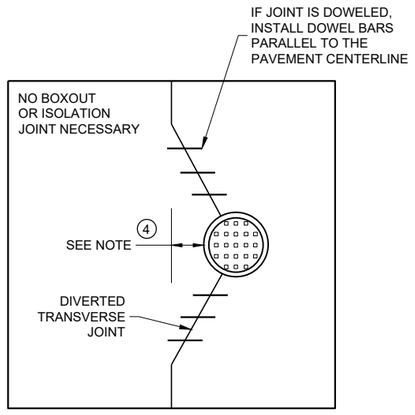
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

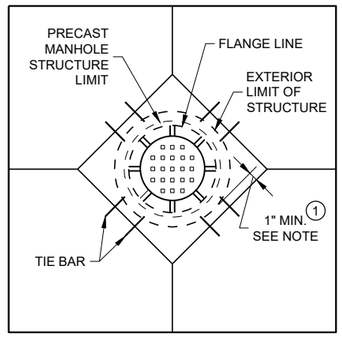
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
4. IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
5. ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

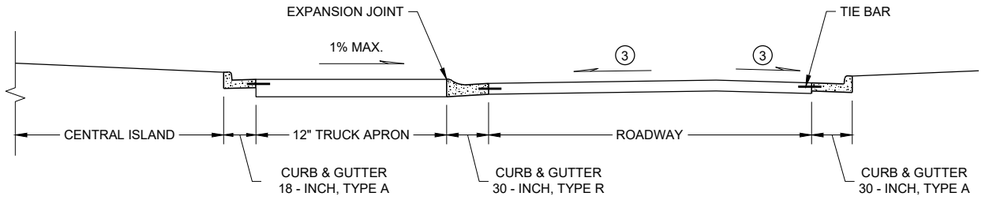
APPROVED
May 2023
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

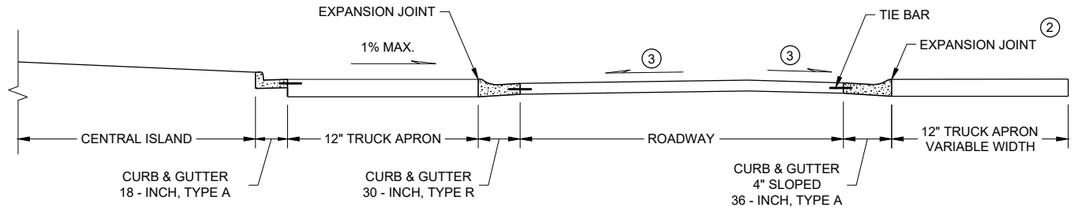
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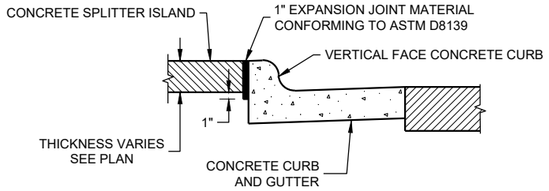
SDD13C18 - 08d
SDD13C18 - 08d



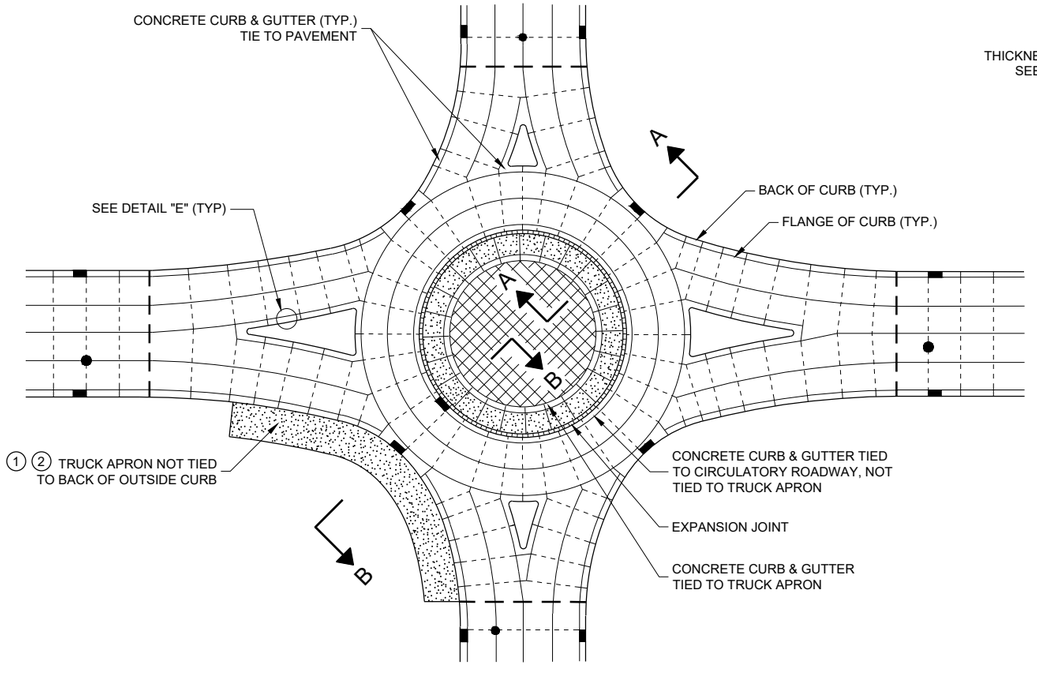
SECTION A - A



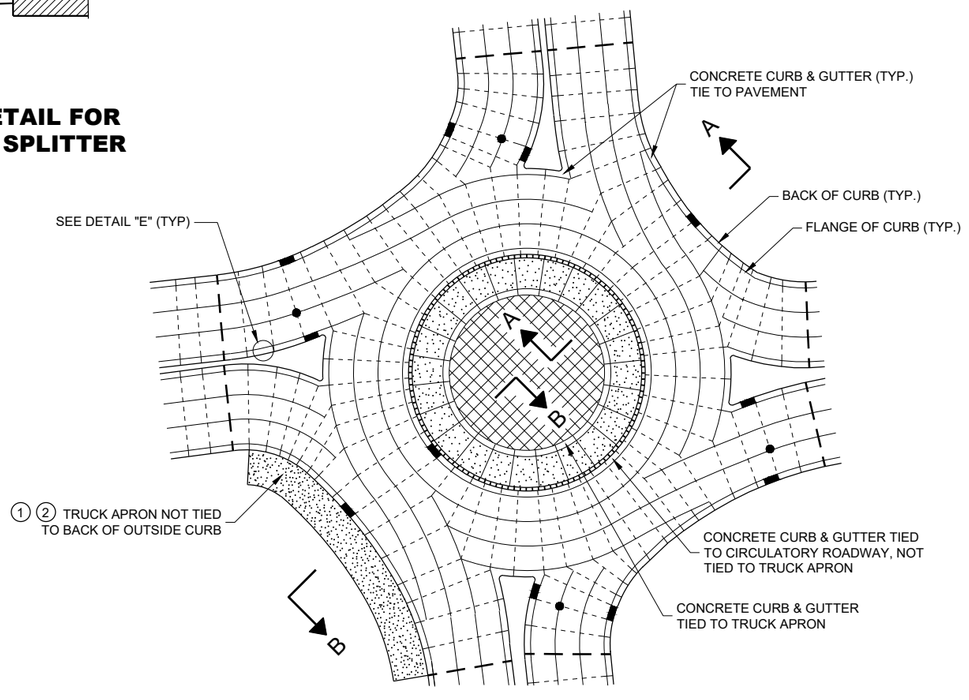
SECTION B - B



DETAIL 'E'
EXPANSION JOINT DETAIL FOR VERTICAL CURB AT A SPLITTER ISLAND



ISOLATED CIRCLE JOINT LAYOUT FOR ROUNDABOUTS



PINWHEEL JOINT LAYOUT FOR ROUNDABOUTS

GENERAL NOTES

MAXIMUM JOINT SPACING IS IN ACCORDANCE WITH THE TABLE SHOWN ON SDD 13C18 - SHEET "a"

USE EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.

DO NOT DOWEL OR TIE THE TRUCK APRON TRANSVERSE JOINTS.

(1) DESIGNER DETERMINES SIZE AND LOCATION(S) OF TRUCK APRON TO ACCOMMODATE TRACKING OF OVERSIZE / OVERWEIGHT VEHICLES.

(2) TIE THE OUTSIDE TRUCK APRON TO THE BACK SIDE OF CURB ONLY WHEN ENTIRE TRUCK APRON IS LESS THAN 3 FEET.

(3) CONFORM TO PLAN CONSTRUCTION DETAILS FOR CIRCULATORY ROADWAY CROSS SLOPE.

LEGEND

- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT
- TRUCK APRON
- CENTRAL ISLAND
- UTILITY STRUCTURES

CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS

STATE OF WISCONSIN
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APPROVED
May 2023
DATE

/S/ Peter Kemp P.E.
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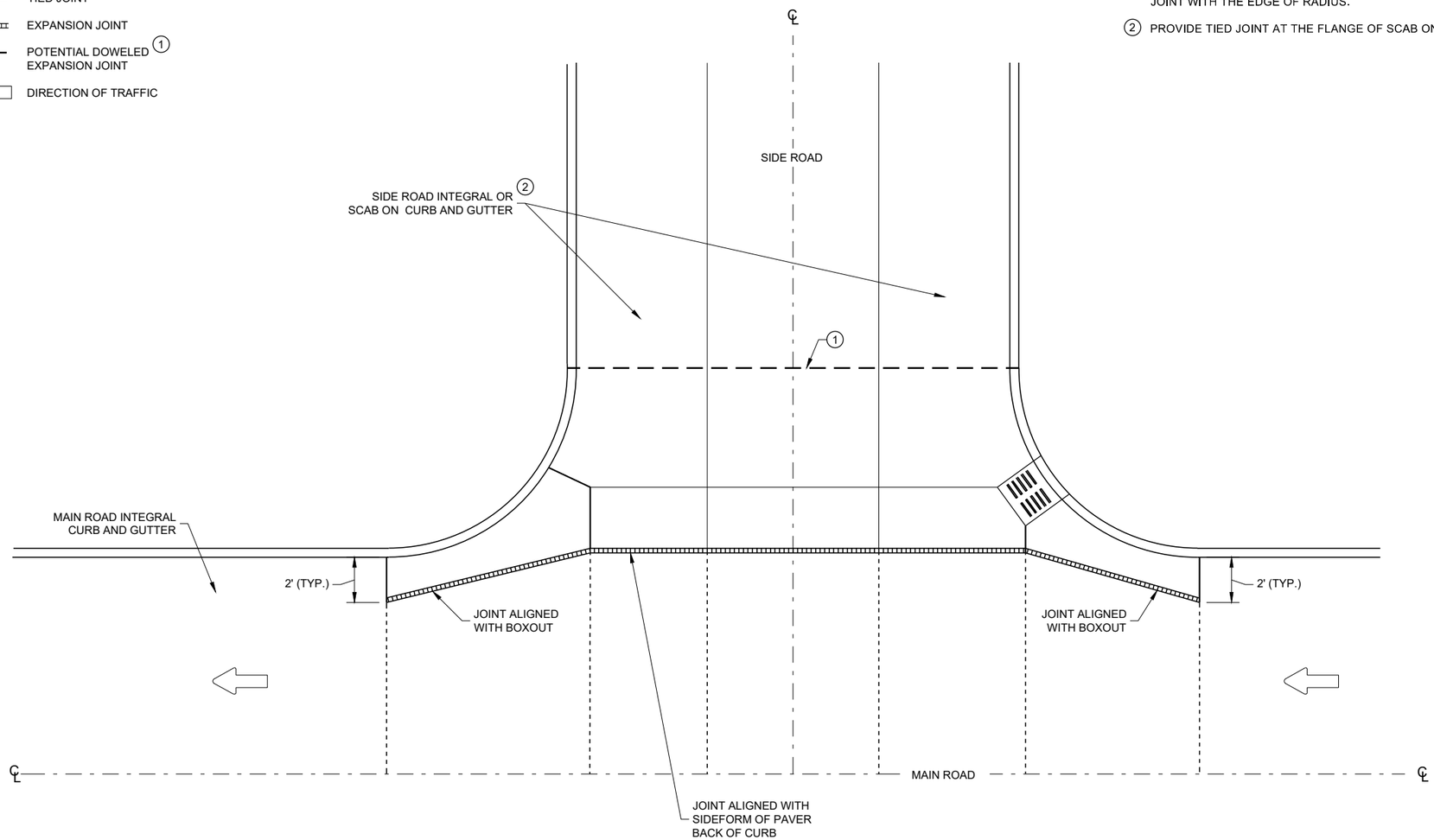
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SDD 13C18 - 08e

LEGEND

- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT (1)
- DIRECTION OF TRAFFIC



GENERAL NOTES

(1) CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH THE EDGE OF RADIUS.

(2) PROVIDE TIED JOINT AT THE FLANGE OF SCAB ON CURB IF SCAB ON CURB AND GUTTER IS USE.

INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

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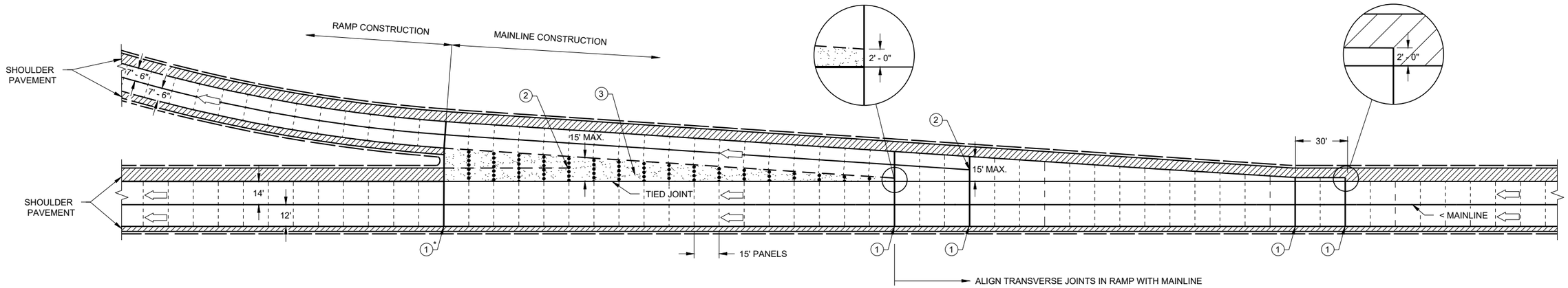
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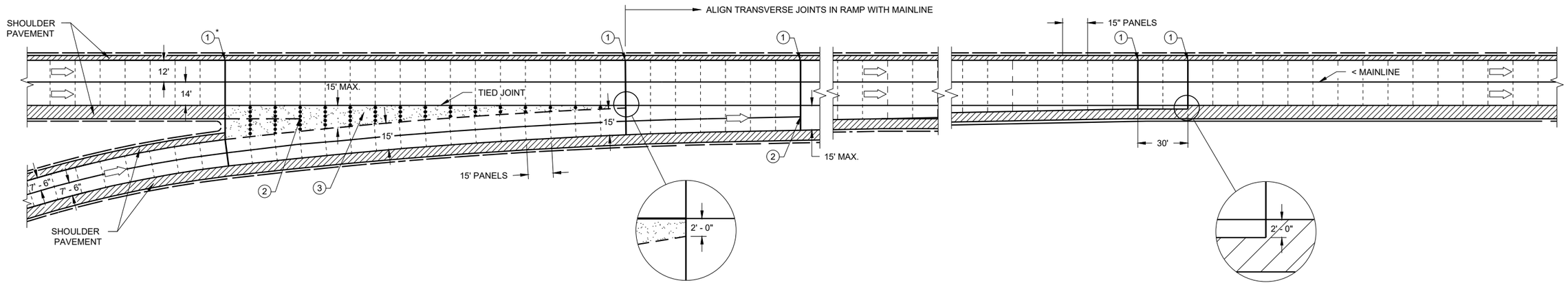
SDD 13C18 - 08f

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SDD 13C18 - 08f



DECELERATION LANE



ACCELERATION LANE

GENERAL NOTES

PAVEMENT AND BASE THICKNESS, PANEL LENGTHS, JOINTS AND REINFORCEMENT FOR THE DECELERATION AND ACCELERATION LANES, INCLUDING TAPERS, SHALL BE THE SAME AS THE MAINLINE, EXCEPT WHERE OTHERWISE NOTED.

ALL REINFORCEMENT BARS SHALL BE EPOXY COATED CONFORMING TO SUBSECTION 505.2.6 OF THE STANDARD SPECIFICATIONS.

LANE AND SHOULDER WIDTHS MAY VARY FROM SHOWN. SEE CONSTRUCTION PLANS FOR ACTUAL PROPOSED WIDTHS.

(1) CRITICAL TRANSVERSE JOINT LOCATIONS AT PAVEMENT WIDTH CHANGES.
((1)* IS NOT A CRITICAL TRANSVERSE JOINT WHEN ASPHALTIC GORE IS INSTALLED).

(2) STOP LONGITUDINAL JOINT WITH CORE HOLE (2" TYP.) WHEN IT MEETS THE FIRST TRANSVERSE JOINT LESS THAN 15' WIDE OR STOP LONGITUDINAL JOINT WHEN IT MEETS 2' AWAY FROM THE TIED JOINT OF THE MAINLINE.

(3) DISREGARD THE JOINT DETAILS IN AND AROUND THE GORE WHEN ASPHALTIC GORE IS INSTALLED.

LEGEND

- DOWELED JOINT
- UNDOWELED JOINT
- TIED JOINT
- UNTIED JOINT
- GORE
- DIRECTION OF TRAVEL

CONCRETE PAVEMENT JOINTING ACCELERATION/ DECELERATION LANE

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May 2023
DATE

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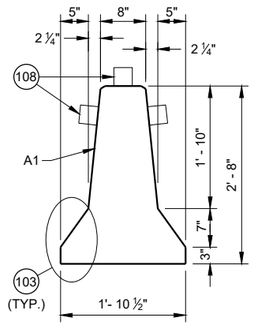
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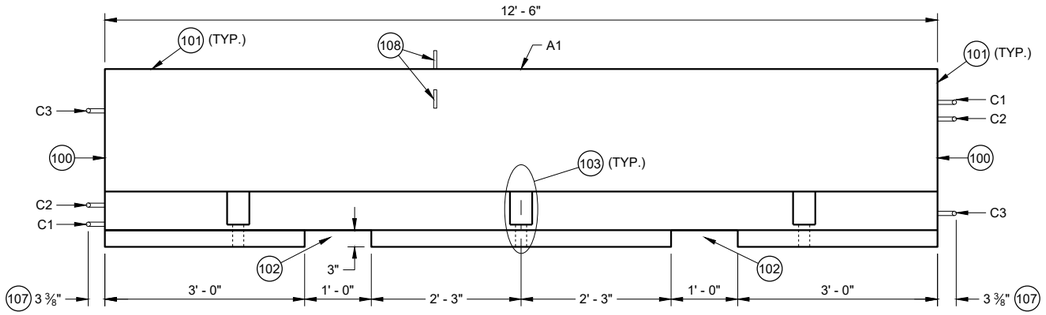
SDD13C18 - 08g

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SDD13C18 - 08g



CROSS SECTION



PROFILE VIEW

GENERAL NOTES

PLACE BARRIER ON PAVED SURFACE. BEFORE PLACEMENT OF TEMPORARY BARRIER, REMOVE ALL LOOSE MATERIAL FROM PAVED SURFACE.

LOOP BARS C1, C2 AND C3 ARE NOT FOR PLACEMENT OR MOVEMENT OF BARRIER.

(100) PERMANENTLY FORM INTO ONE END OF BARRIER THE FOLLOWING INFORMATION:
- A. TYPE OF BARRIER: WI-CBTP
- B. MANUFACTURER
- C. DATE OF MANUFACTURE (MONTH AND YEAR)

(101) 1" OPTIONAL CHAMFER

(102) SEE LIFTING SLOT DETAIL

(103) SEE ANCHOR BLOCK DETAIL

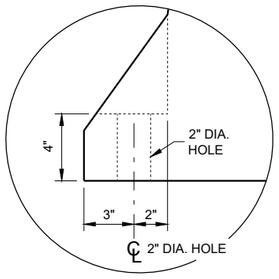
(104) 1 ¾" MIN. CLEAR COVER

(105) 2" MIN. CLEAR COVER

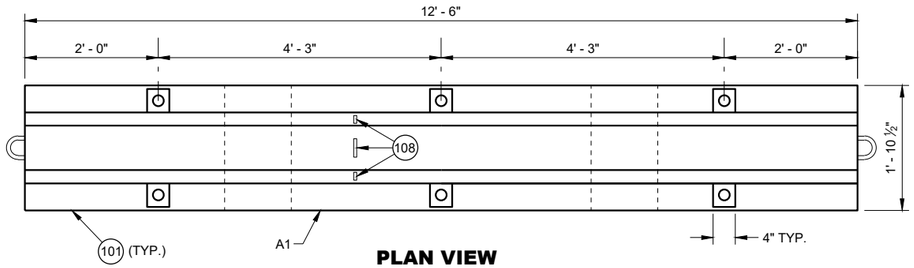
(106) 1" MIN. CLEAR COVER

(107) ± ⅛" MEASURED FROM FACE OF CONCRETE BARRIER TO OUTSIDE OF LOOP BAR (TYP.)

(108) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURERS INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED LEFT OF TRAFFIC AND WHITE WHEN BARRIER IS LOCATED RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART, PROVIDE TO MOUNTED DELINEATORS IN ADDITION TO SIDE MOUNTED DELINEATORS ON BARRIER INSTALLATIONS LOCATED ON A CURVED ALIGNMENT LONGER THAT 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.

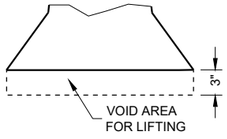


ANCHOR BLOCK DETAIL

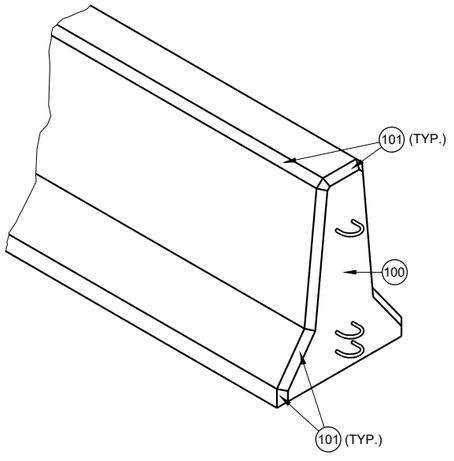


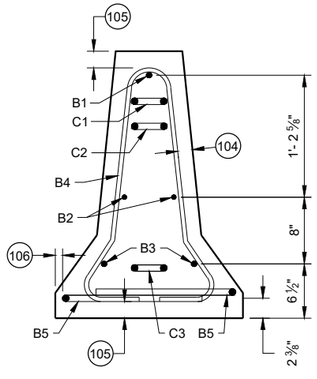
PLAN VIEW

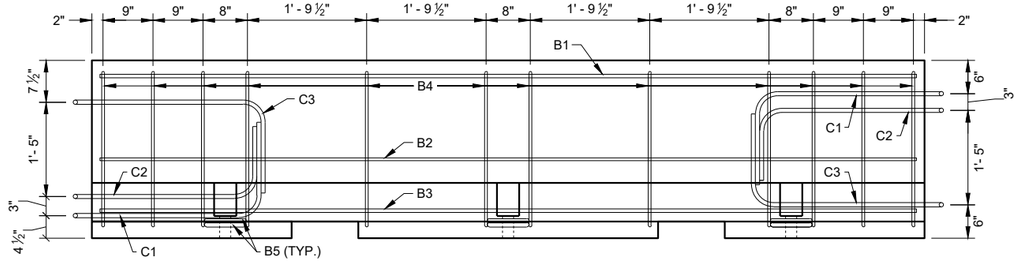
TEMPORARY BARRIER



LIFTING SLOT DETAIL (TYP.)



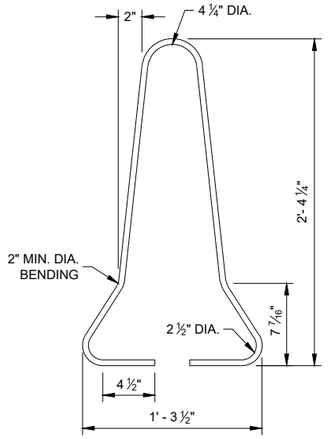




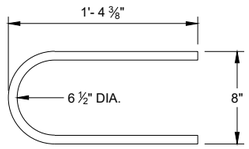
PROFILE VIEW

TEMPORARY BARRIER REINFORCEMENT

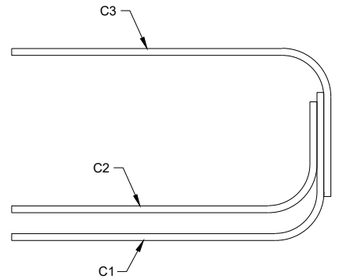
CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTA	366



B4 BAR DETAIL

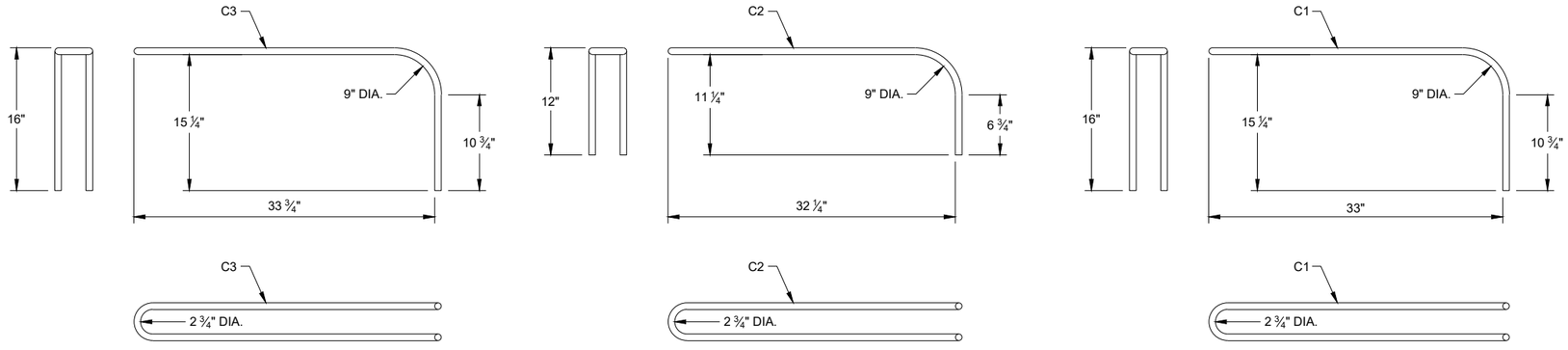


B5 BAR DETAIL



PROFILE VIEW

LOOP BAR ASSEMBLY

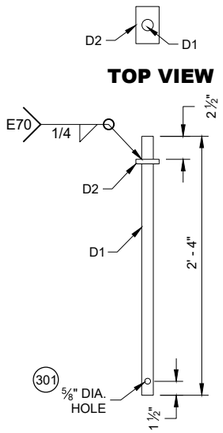


C BAR DETAILS

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

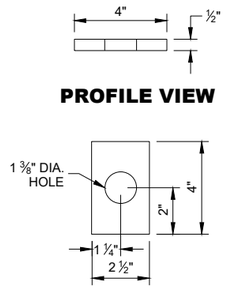
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SDD 14B07-16b



TOP VIEW

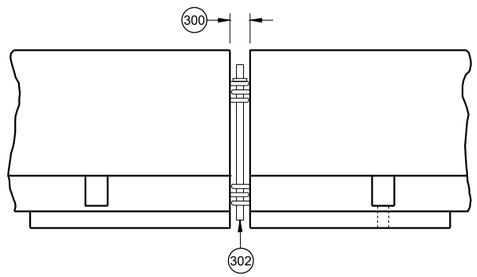
PROFILE VIEW

CONNECTOR PIN ASSEMBLY



PROFILE VIEW

TOP VIEW D2



CONNECTING TEMPORARY BARRIER SECTIONS

GENERAL NOTES

300 SET WITH 3 ⅝" WOOD BLOCK.

301 HOLE IS OPTIONAL.

302 CONNECTOR PIN ASSEMBLY.

303 CONCRETE PAVEMENT, APPROACH SLAB, OR DECK.

304 CONCRETE DECK.

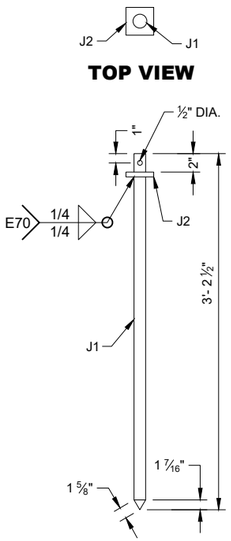
305 DO NOT USE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY OR CONCRETE PAVEMENT WITH ASPHALT OVERLAY.

306 MINIMUM OF 2" OF ASPHALT.

307 ASPHALT ANCHOR PIN ASSEMBLY

308 IF DRILLING A PILOT HOLE, THE MAX, DIA. OF THE HOLE IS 3/4"

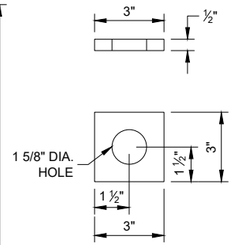
309 WHEN THERE IS ASPHALT OVERLAYING CONCRETE PAVEMENT, A 1 5/8" DIA. PILOT HOLE CAN BE DRILLED INTO THE OVERLAY AND CONCRETE. IF NEEDED DRILL A 3/4" PILOT HOLE IN BASE COURSE.



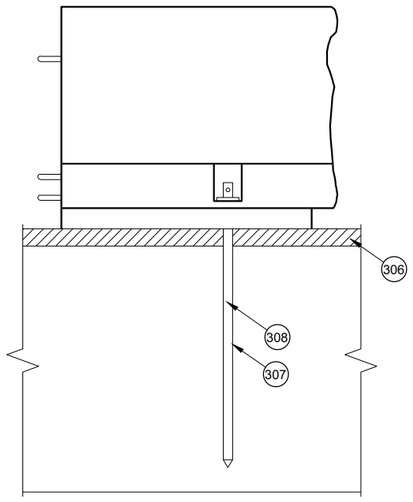
TOP VIEW

PROFILE VIEW

ASPHALT ANCHOR PIN ASSEMBLY

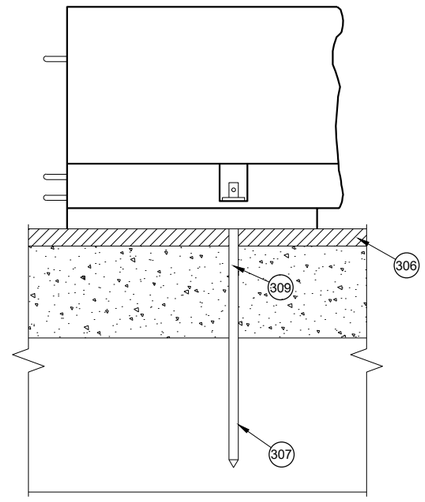


TOP VIEW J2



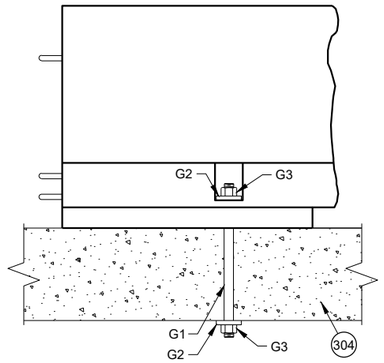
SIDE VIEW

ASPHALT ANCHOR INSTALLATION THROUGH ASPHALT PAVEMENT



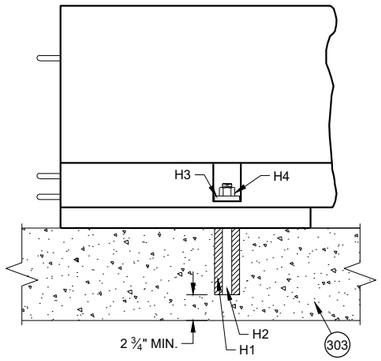
SIDE VIEW

ASPHALT ANCHOR INSTALLATION THROUGH ASPHALT OVERLAY ON TOP OF CONCRETE PAVEMENT



SIDE VIEW

THROUGH BOLT ANCHOR INSTALLATION (305)



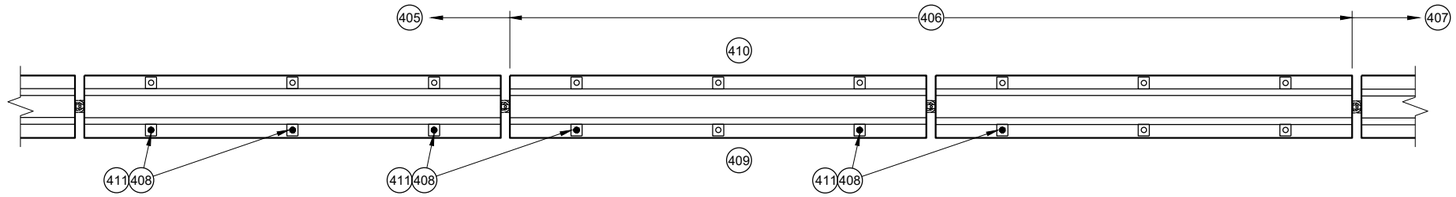
SIDE VIEW

ADHESIVE ANCHOR INSTALLATION (305)

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

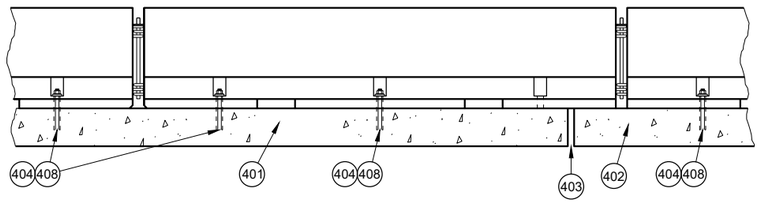
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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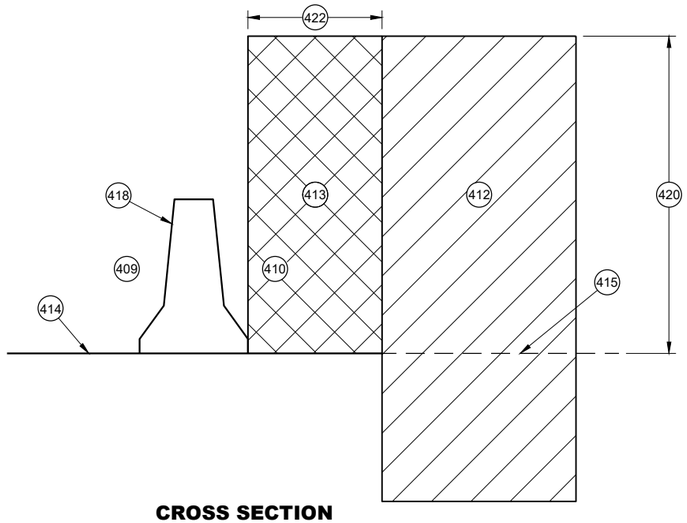
PLAN VIEW

TRANSITION FROM FREE STANDING TO ANCHORED BARRIER



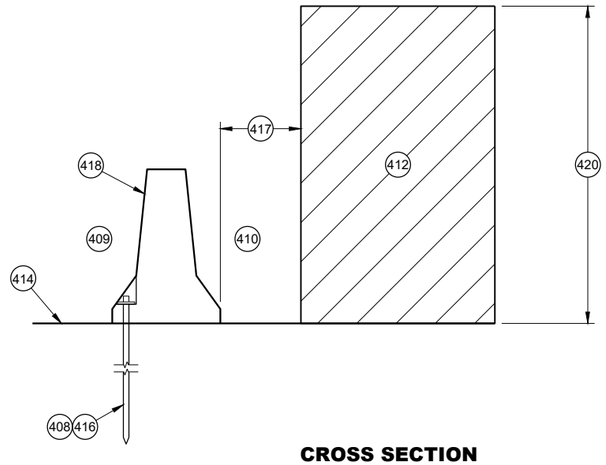
PROFILE VIEW

ANCHORED BARRIER NEAR EXPANSION JOINT (400)



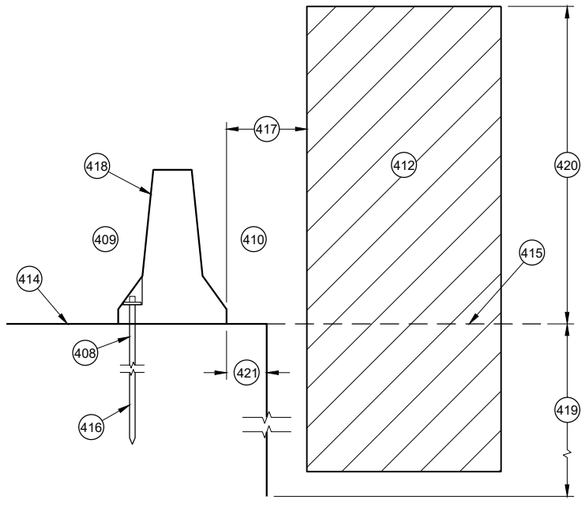
CROSS SECTION

FREE STANDING BARRIER



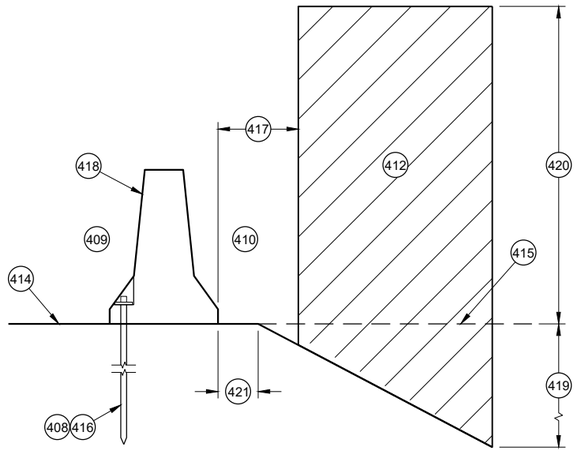
CROSS SECTION

ANCHORED BARRIER FOR OBJECTS ABOVE THE GRADE LINE AND NEAR THE BARRIER



CROSS SECTION

ANCHORED BARRIER NEAR VERTICAL DROP OFF



CROSS SECTION

ANCHORED BARRIER NEAR A SLOPE

GENERAL NOTES

(400) NO SINGLE CONCRETE BARRIER SECTION SHALL BE ANCHORED TO BOTH THE BRIDGE DECK AND THE APPROACH SLAB. ALL ANCHOR BOLT LOCATIONS SHALL BE ANCHORED TO THE DECK IN ACCORDANCE WITH THE DETAIL. NO MORE THAN ONE ANCHOR BOLT SHALL BE ELIMINATED FROM A BARRIER SECTION WHEN SPANNING AN EXPANSION JOINT.

(401) CONCRETE DECK

(402) CONCRETE DECK OR APPROACH SLAB.

(403) EXPANSION JOINT

(404) ADHESIVE ANCHOR SHOWN. SEE ANCHOR DETAILS.

(405) ANCHORED TEMPORARY BARRIER

(406) TRANSITION FROM ANCHORED TEMPORARY BARRIER TO FREE STANDING

(407) FREE STANDING BARRIER

(408) REMOVE ALL ANCHORS WHEN NO LONGER NEEDED. FILL CONCRETE PAVEMENTS, DECKS AND APPROACH SLABS WITH NON-SHRINK COMMERCIAL GROUT FROM THE APPROVED PRODUCT LIST. FILL ASPHALT PAVEMENTS WITH ASTM D6690 TYPE II RUBBERIZED CRACK FILLER.

(409) TRAFFIC SIDE

(410) NON-TRAFFIC SIDE

(411) ANCHOR LOCATION. SEE ANCHORING DETAILS.

(412) WORK AREA

(413) AREA FREE OF OBJECTS AND WORKERS

(414) GRADE LINE

(415) EXTENDED GRADE LINE

(416) ANCHORED TEMPORARY BARRIER. SEE BOLT THROUGH DECK, REMOVABLE ADHESIVE ANCHOR, OR AN ASPHALT ANCHOR ROD DETAILS FOR MORE INFORMATION. ASPHALT ANCHOR ROD SHOWN.

(417) WHEN OBJECTS EXTEND ABOVE THE GRADE. A MINIMUM OF 1 FOOT IS REQUIRED FROM BACK OF BARRIER TO OBJECT.

(418) OBJECTS ARE NOT TO BE PLACED ON, MOUNTED TO, OR ALLOWED TO LEAN AGAINST THE BARRIER WITHOUT WRITTEN PERMISSION OF THE PROJECT ENGINEER.

(419) DEPTHS OF 3 FEET OR MORE.

(420) Y = 6.5'

(421) OFFSET FROM BACK OF BARRIER EDGE:

CONCRETE PAVEMENT	0.5'
ASPHALT	0.5'

(422) POSTED SPEED (MPH):

45 OR GREATER	4.0'
40 OR LOWER	2.0'

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

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GENERAL NOTES

500 EXISTING RIGID BARRIERS (VARIES)

501 TEMPORARY BARRIER

502 SEE OTHER DETAIL ON HOW TO ANCHOR TEMPORARY BARRIER (BARRIER ASPHALT ANCHOR SHOWN).

503 ANCHORS ARE REQUIRED ON BOTH SIDE OF THE TEMPORARY BARRIER.

504 NESTED RAILS ARE REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER FOR ALL INSTALLATIONS.

505 TRAFFIC TRAVELS FROM PERMANENT BARRIER TO TEMPORARY BARRIER.

506 TRAFFIC TRAVELS FROM TEMPORARY BARRIER TO PERMANENT BARRIER.

507 VERTICAL BARRIER

508 SAFETY SHAPE BARRIER

509 SINGLE SLOPE BARRIER

510 CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF RIGID BARRIER.

511 BENT THRIE BEAM TO FIT.

512 THRIE BEAM PIECES ARE OFFSET 15 ¼" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.

513 TWO (2) P1, P2 AND P3 ARE REQUIRED

514 FIVE (5) N1, N2 AND N3 ARE REQUIRED

515 TWO (2) R1, R2 AND R3 ARE REQUIRED

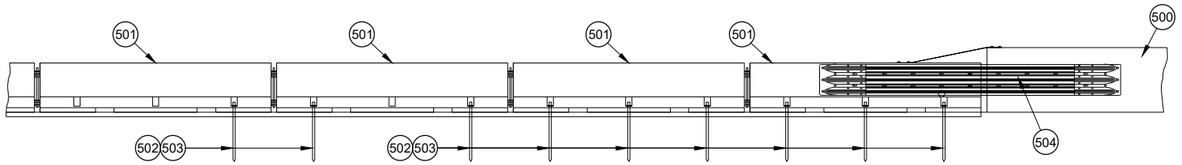
516 CUT WOOD BLOCK TO FIT.

517 SEE THRIE BEAM RAIL TERMINAL CONNECTOR DETAIL ASSEMBLY.

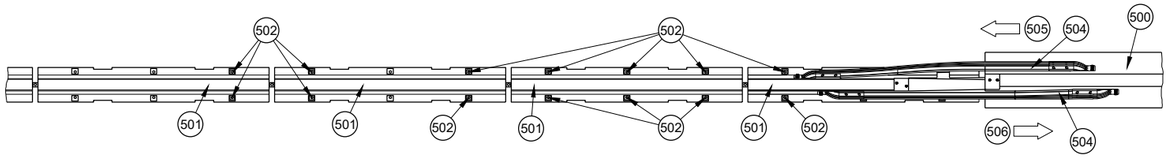
518 CAP ASSEMBLY

519 4" MAX. GAP BETWEEN TEMPORARY BARRIER AND RIGID BARRIER.

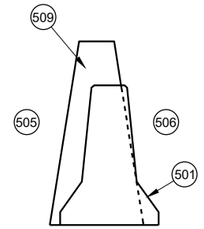
520 ALL TWELVE SPLICE HOLES REQUIRE M1 AND M2



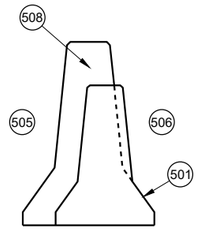
PROFILE VIEW



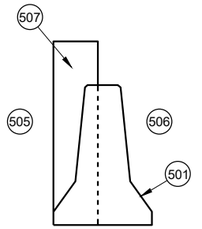
PLAN VIEW



CROSS SECTION TEMPORARY BARRIER PLACEMENT SINGLE SLOPE

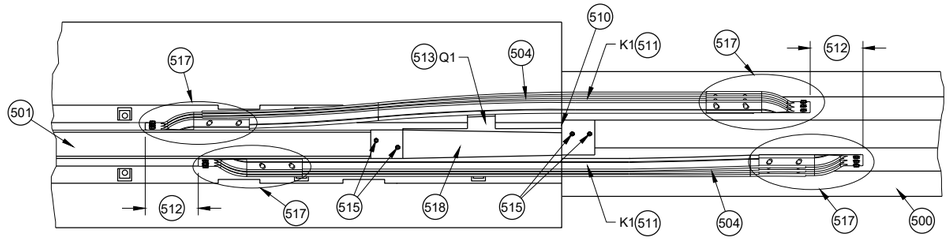


CROSS SECTION TEMPORARY BARRIER PLACEMENT SAFETY SHAPE

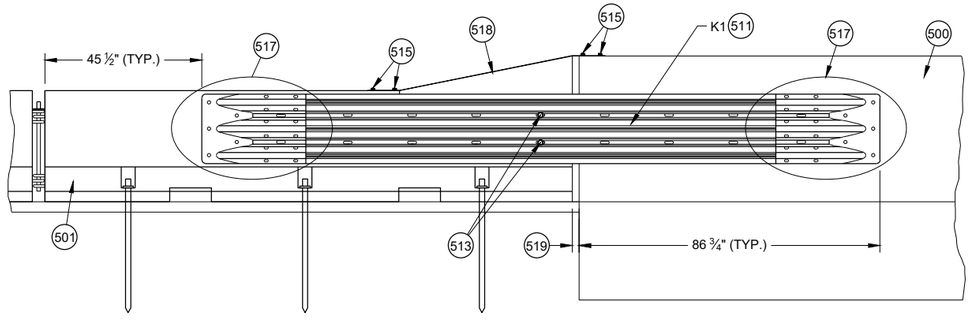


CROSS SECTION TEMPORARY BARRIER PLACEMENT VERTICAL

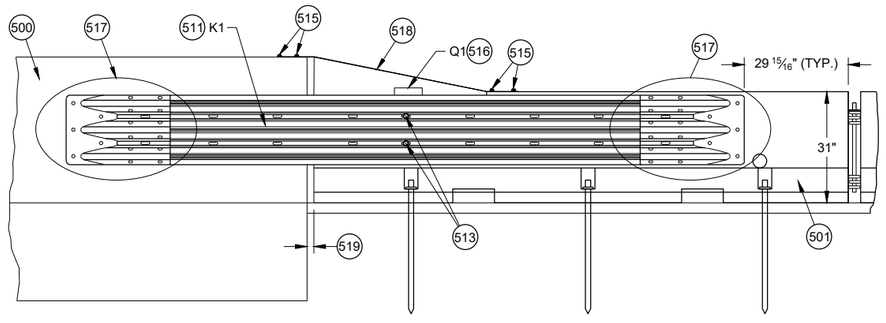
PLAN VIEW
TRANSITION TO RIGID BARRIER



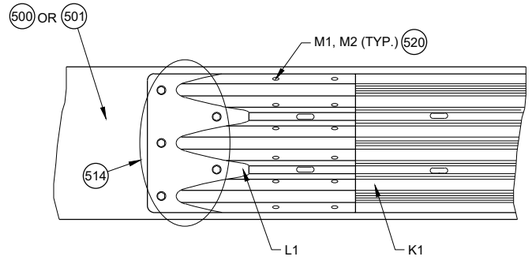
PLAN DETAIL VIEW
TRANSITION TO RIGID BARRIER



FRONT DETAIL VIEW
TRANSITION TO RIGID BARRIER



BACK DETAIL VIEW
TRANSITION TO RIGID BARRIER

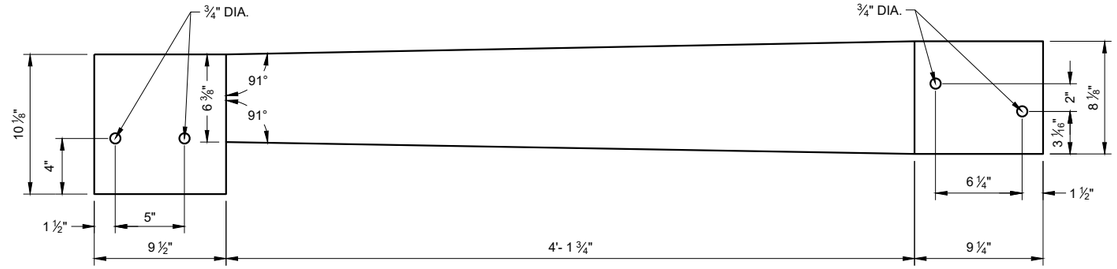


517 DETAIL PLAN VIEW
THRIE BEAM RAIL TERMINAL CONNECTOR ASSEMBLY

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

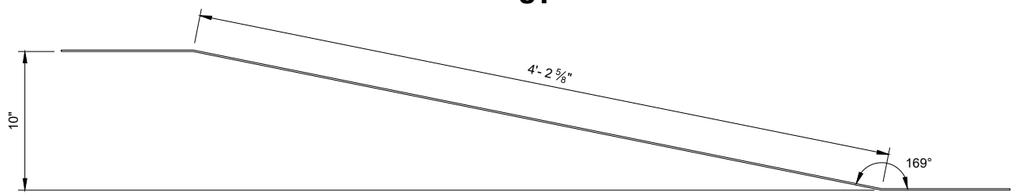
6

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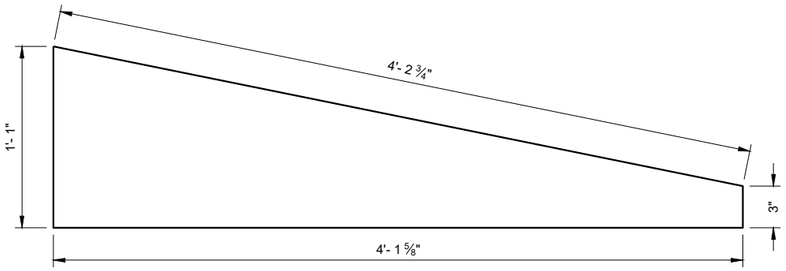
TOP VIEW

S1



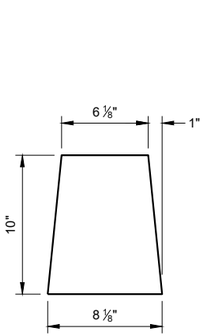
ELEVATION VIEW

S1

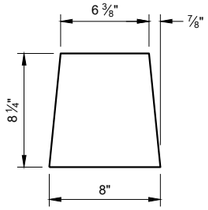


SIDE VIEW

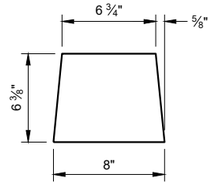
S3



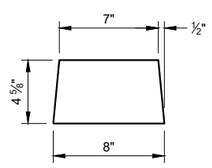
S2



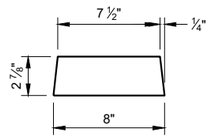
S4



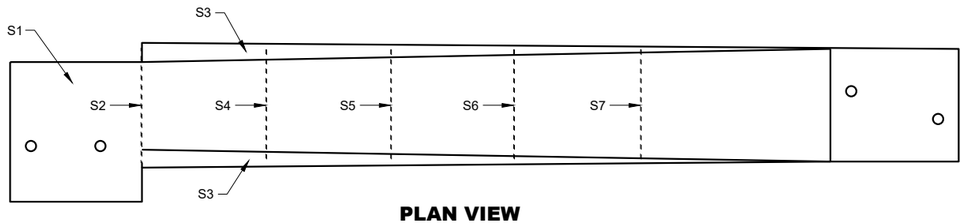
S5



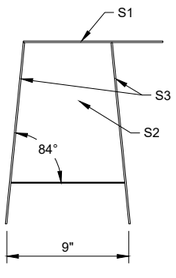
S6



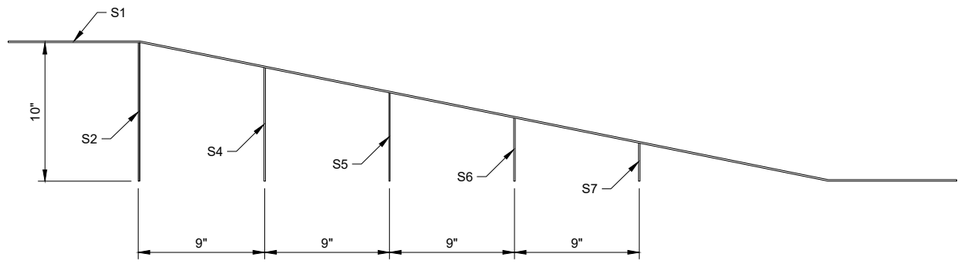
S7



PLAN VIEW



BACK VIEW



SIDE VIEW (600)

42" TOP CAP ASSEMBLY

GENERAL NOTES

STITCH WELD GUSSET PLATES AND END PLATES ON THREE SIDES

STITCH WELD TWO SIDE PLATES TO TOP PLATE, END PLATE AND GUSSETS.

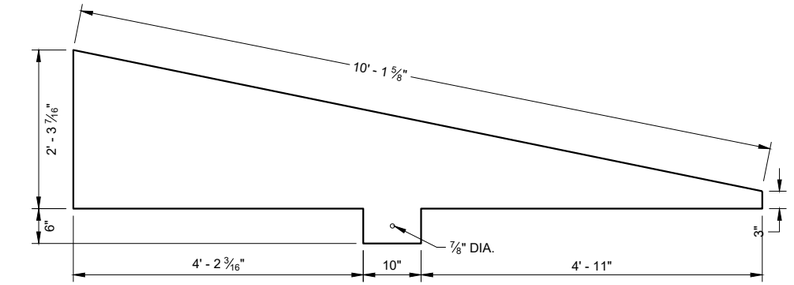
(600) SIDE PLATES (S3) NOT SHOWN FOR CLARITY.

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

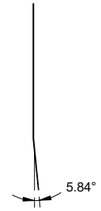
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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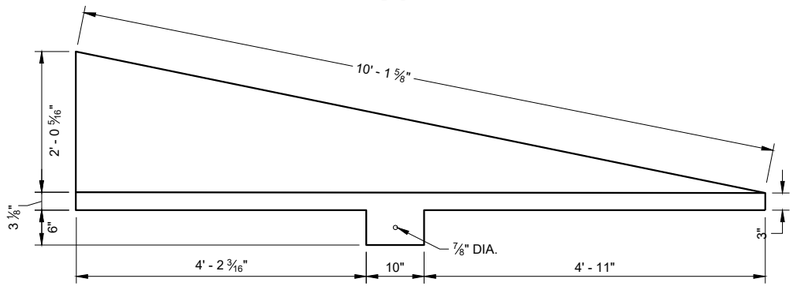
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SIDE VIEW
T4



END VIEW



SIDE VIEW
T3

END VIEW

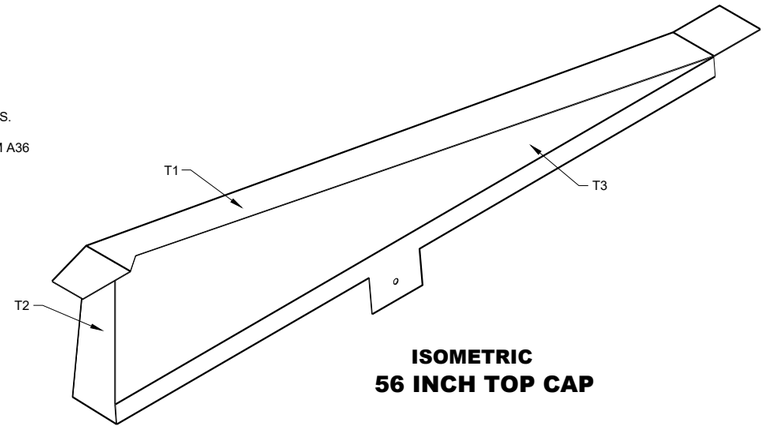
GENERAL NOTES

STITCH WELD GUSSET PLATES AND END PLATES ON THRIE SIDES

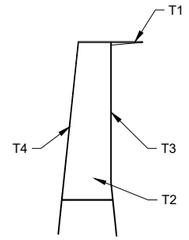
STITCH WELD TWO SIDE PLATES TO TOP PLATE, END PLATE AND GUSSETS.

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 GALVANIZED STEEL.

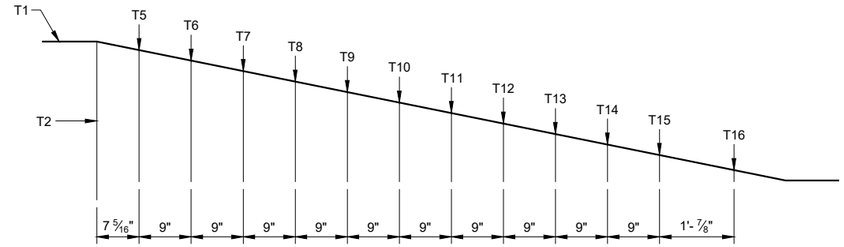
(700) SIDE PLATES (T3 AND T4) NOT SHOWN FOR CLARITY.



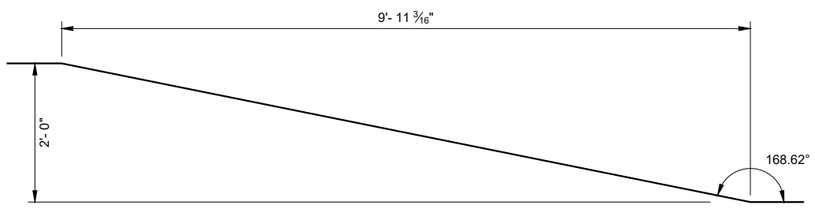
ISOMETRIC
56 INCH TOP CAP



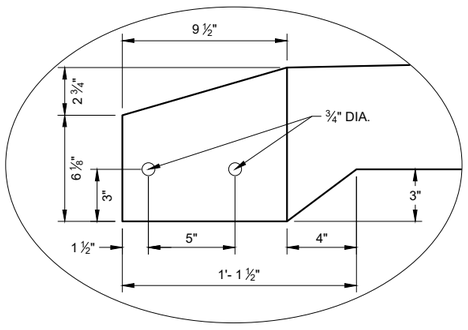
END VIEW
56 INCH TOP CAP



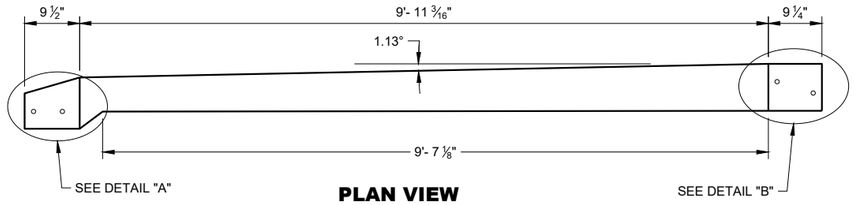
SIDE VIEW (700)
56 INCH TOP CAP



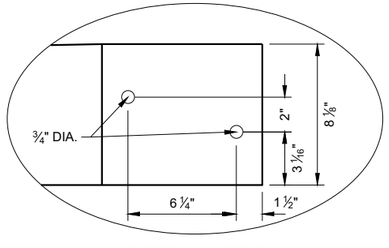
SIDE VIEW
TOP PLATE T1



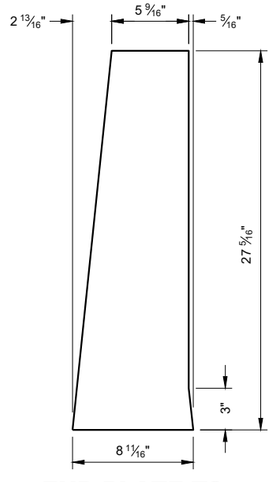
DETAIL "A"



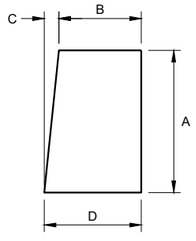
PLAN VIEW
TOP PLATE T1



DETAIL "B"



END PLATE T2



GUSSET PLATES
T5 - T16

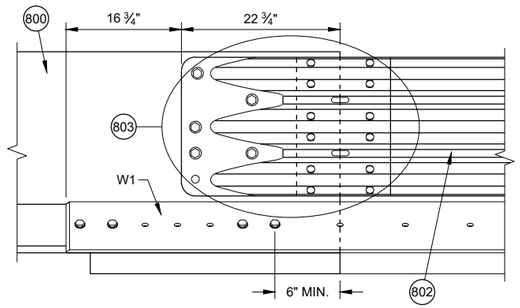
GUSSET DIMENSIONS				
GUSSET NO.	A	B	C	D
T5	22 13/16"	5 1/16"	2 5/16"	8 1/16"
T6	21"	5 7/8"	2 3/16"	8 1/16"
T7	19 3/16"	6 1/16"	1 15/16"	8 1/16"
T8	17 3/8"	6 1/4"	1 13/16"	8 1/16"
T9	15 5/16"	6 7/16"	1 9/16"	8 1/16"
T10	13 3/4"	6 5/8"	1 7/16"	8 1/16"
T11	11 15/16"	6 13/16"	1 1/4"	8 1/16"
T12	10 1/8"	7"	1 1/16"	8 1/16"
T13	8 5/16"	7 3/16"	7/8"	8 1/16"
T14	6 1/2"	7 3/8"	1 1/16"	8 1/16"
T15	4 11/16"	7 9/16"	1/2"	8"
T16	2 7/8"	7 3/4"	1/4"	8"

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

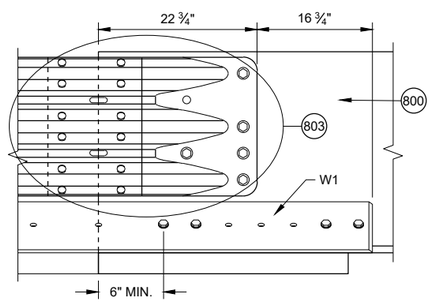
STATE OF WISCONSIN
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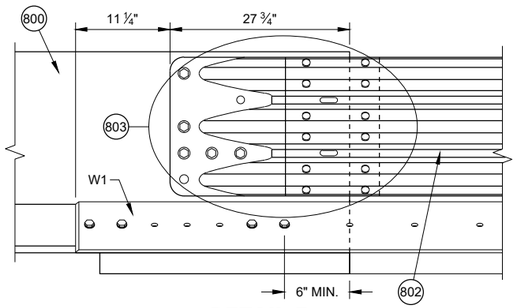
SDD 14B07-16g



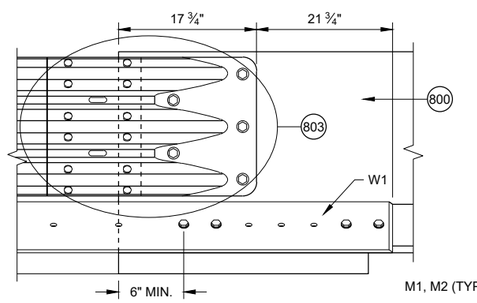
DETAIL D



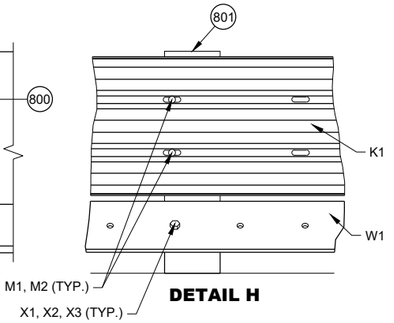
DETAIL E



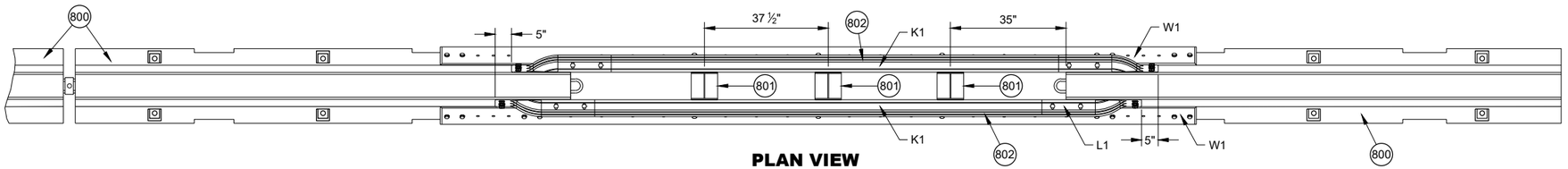
DETAIL F



DETAIL G



DETAIL H



PLAN VIEW

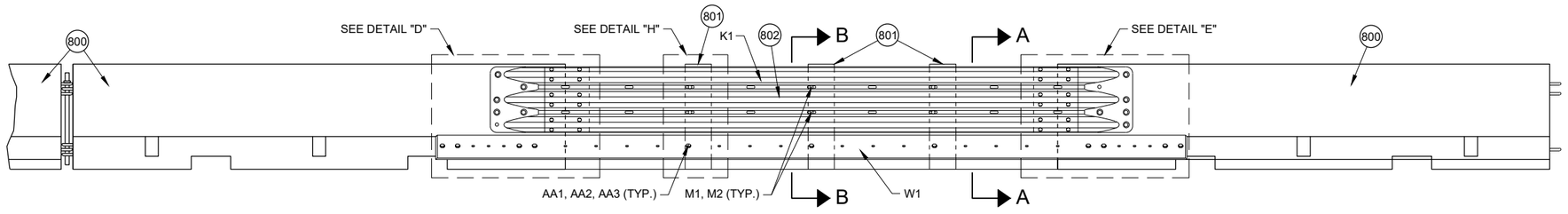
GENERAL NOTES

(800) FREE STANDING TEMPORARY BARRIER

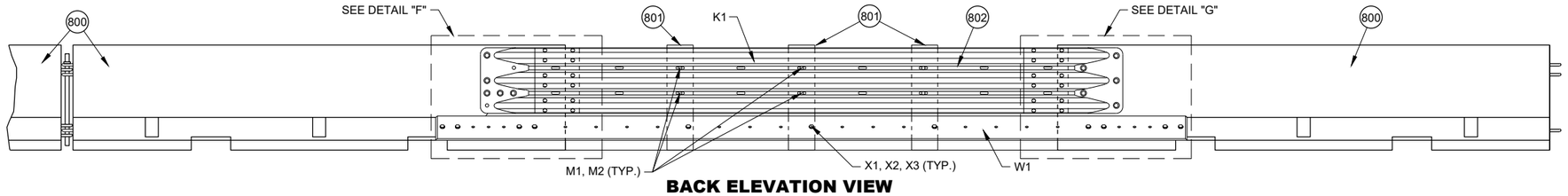
(801) GAP STIFFENER ASSEMBLY

(802) THRIE BEAMS ARE NESTED ON BOTH SIDES OF THE TEMPORARY BARRIER.

(803) SEE THRIE BEAM RAIL TERMINAL CONNECTOR DETAIL



FRONT ELEVATION VIEW



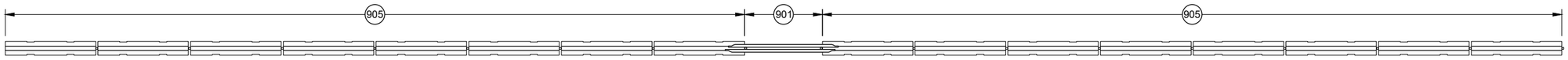
BACK ELEVATION VIEW

PORTABLE CONCRETE BARRIER GAP THRIE BEAM COVER

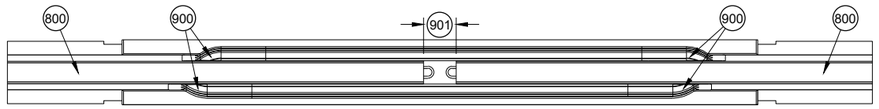
CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

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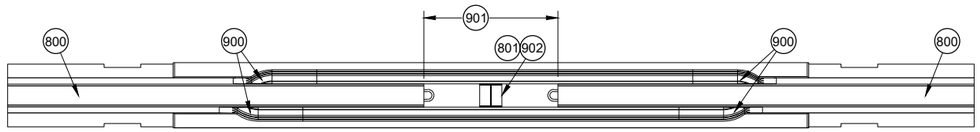
PLAN VIEW
GAP WITHIN SPACING



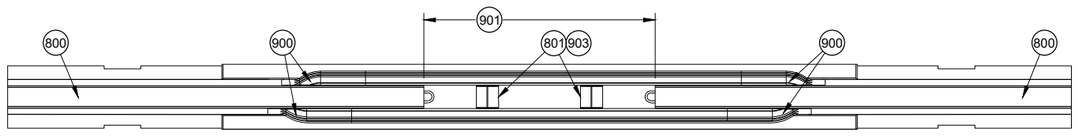
PLAN VIEW
TEMPORARY BARRIER GAP OVER 4" TO 1' MAX. (904)

GENERAL NOTES

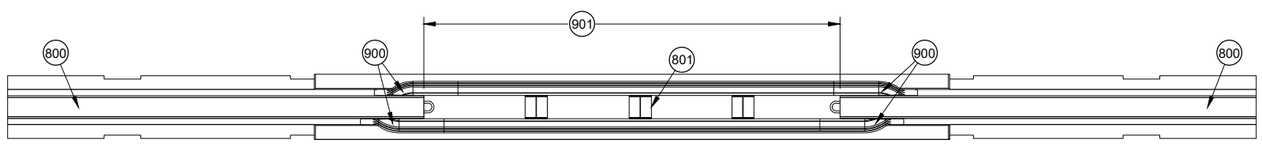
(900) SEE OTHER DETAILS FOR TEMPORARY GAP HARDWARE (TYP.)
(901) TEMPORARY BARRIER GAP
(902) GAP STIFFENER ASSEMBLY CENTERED IN THE GAP.
(903) GAP STIFFENER ASSEMBLY IS OFFSET 18 ¾" FROM CENTER
(904) MINIMUM NUMBER OF GAP STIFFENERS SHOWN FOR THE GAP RANGE SHOWN.
(905) MINIMUM OF 8 CONTINUOUS FREE STANDING TEMPORARY BARRIERS



PLAN VIEW
TEMPORARY BARRIER GAP OVER 1' TO 4' MAX. (904)



PLAN VIEW
TEMPORARY BARRIER GAP OVER 4' TO 7' MAX. (904)

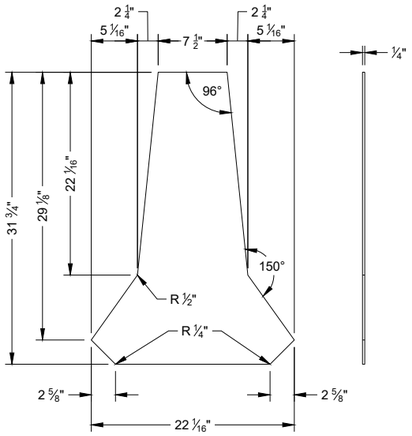


PLAN VIEW
TEMPORARY BARRIER GAP OVER 7' TO 12.5' MAX. (904)

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

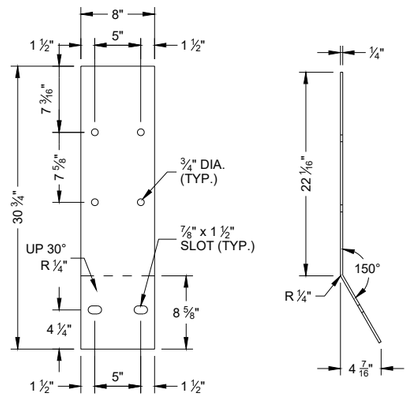
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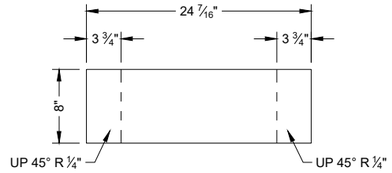
PROFILE VIEW SIDE VIEW

STIFFENER ASSEMBLY CENTER PANEL U1

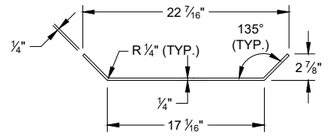


FLAT PATTERN SIDE VIEW

STIFFENER ASSEMBLY SIDE PANEL U2

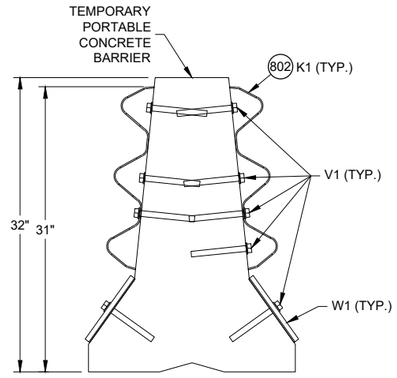


FLAT PATTERN

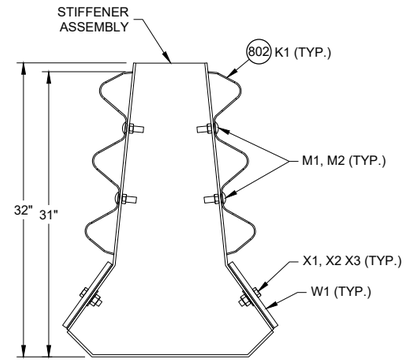


PROFILE VIEW

STIFFENER ASSEMBLY BOTTOM PANEL U3

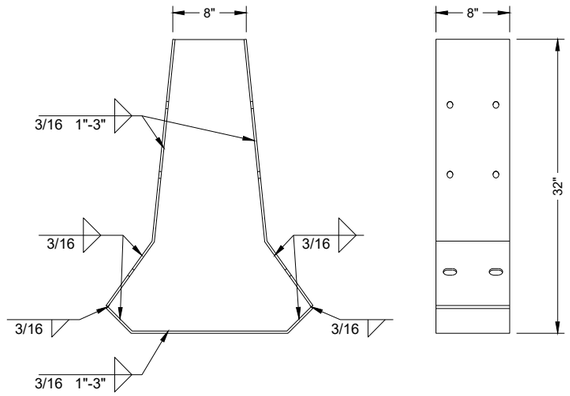


SECTION A - A



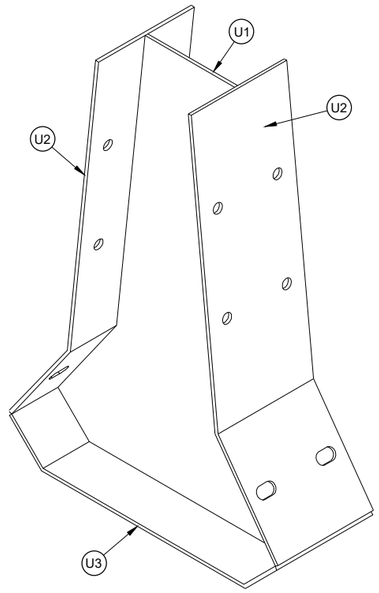
SECTION B - B

PLAN VIEW



PROFILE VIEW

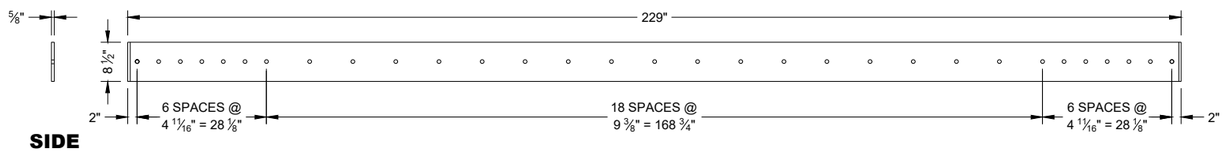
SIDE VIEW



ISOMETRIC

GAP STIFFENER ASSEMBLY

PLAN VIEW



SIDE VIEW

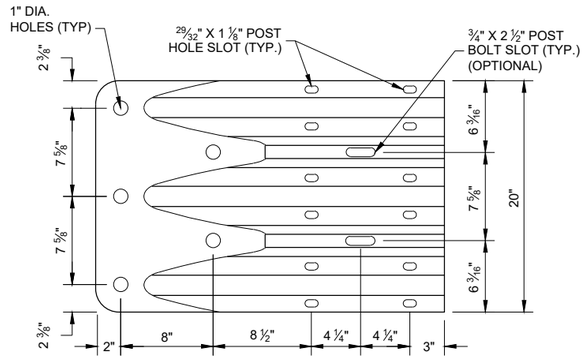
ELEVATION VIEW

W1 TOE PLATE

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

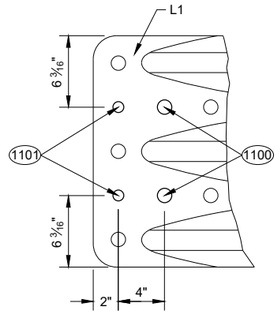
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ELEVATION VIEW

THRIE BEAM TERMINAL CONNECTOR



ELEVATION VIEW

ADDITIONAL THRIE BEAM (1102) TERMINAL CONNECTOR HOLE DETAIL

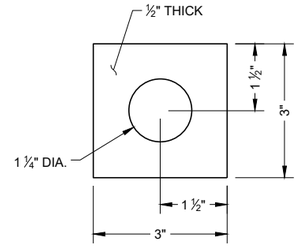


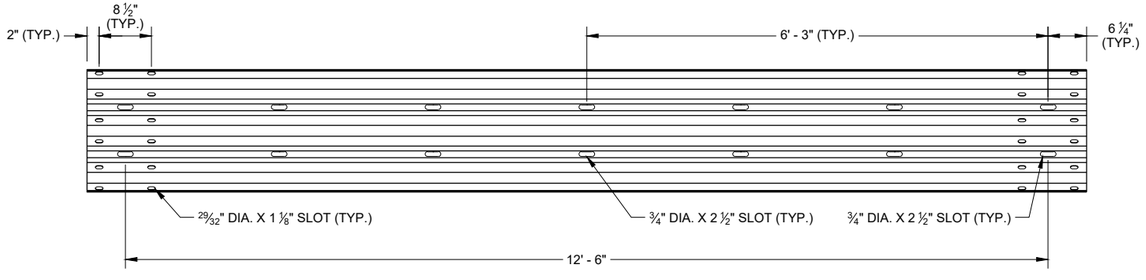
PLATE WASHER DETAIL G2, H3

GENERAL NOTES

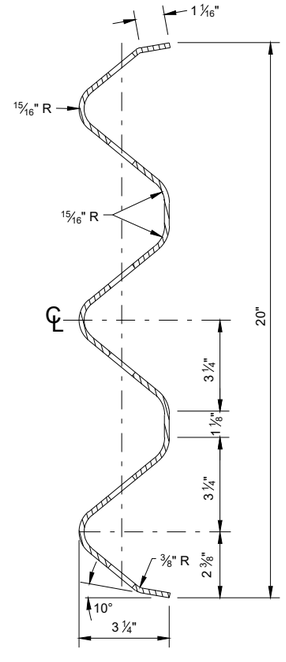
(1100) 1" DIA. HOLE

(1101) 3/4" DIA. HOLE

(1102) PROVIDE HOLES IN THRIE BEAM TERMINAL CONNECTOR TO LIMIT STEEL REINFORCEMENT OR LOOP BAR CONFLICT. CONTRACTOR MAY FIELD DRILL ADDITIONAL HOLE OR PROVIDE THRIE BEAM TERMINAL CONNECTOR WITH ADDITIONAL HOLES FROM SUPPLIER.



SLOTTED THRIE BEAM RAIL K1



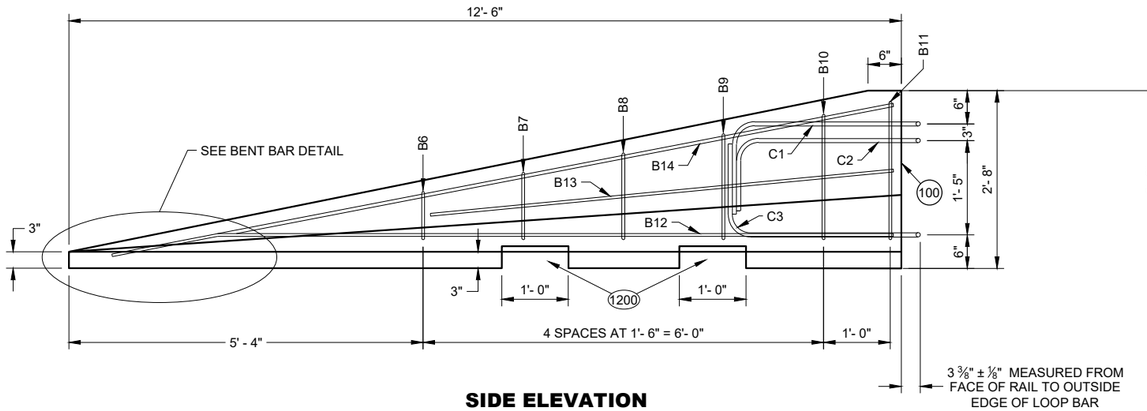
SECTION THROUGH BEAM K1

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

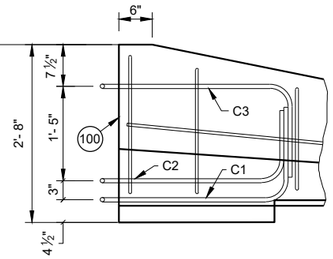
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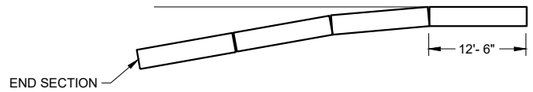
SIDE ELEVATION
(FOR CONNECTION TO LEFT END OF BARRIER)



SIDE ELEVATION
LOOP BAR ASSEMBLY INVERTED FOR OPPOSITE END
(FOR CONNECTION TO RIGHT END OF BARRIER)

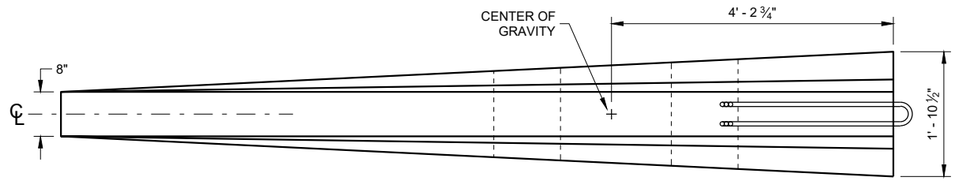
GENERAL NOTES

(1200) SEE LIFTING SLOT DETAIL. LOCATION OF LIFTING SLOTS DETERMINED BY CONTRACTOR.

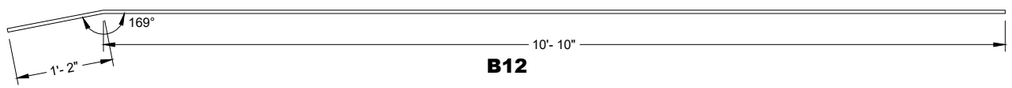


FLARE AT BARRIER END

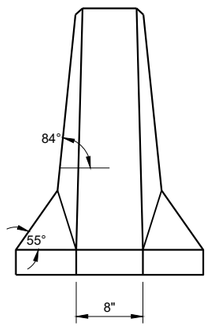
POSTED SPEED, (MPH)	FLARE RATE
40 OR LESS	6:1
45 OR GREATER	8:1



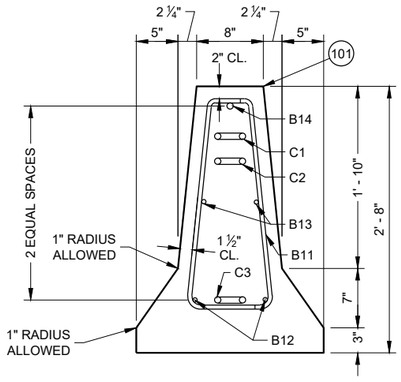
PLAN VIEW



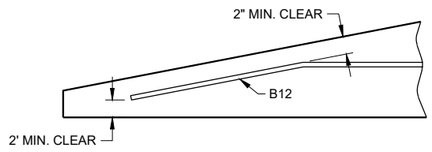
B12



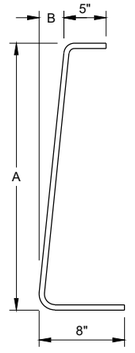
FRONT ELEVATION



END SECTION



BENT BAR DETAIL



BAR	A	B
B6	10"	1"
B7	1'- 1"	1 ¼"
B8	1'- 5"	1 ⅝"
B9	1'- 8"	1 ⅞"
B10	2'- 0 ½"	2 ⅜"
B11	2'- 3"	2 ¾"

B BARS
2 OF EACH SIZE REQUIRED FOR STIRRUP ASSEMBLY

DETAILS OF BARRIER TAPER SECTION

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

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BILL OF MATERIALS - CONCRETE BARRIER PRECAST

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
A1	PRECAST TEMPORARY BARRIER - CONCRETE	MIN. = f'c 5000 PSI	
B1	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#5 REBAR, LENGTH 12'-2"
B2	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 12'-2"
B3	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#5 REBAR, LENGTH 12'-2"
B4	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 6'-0"
B5	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#6 REBAR, LENGTH 2'-11"
B6	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 1'-11"
B7	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 2'-2"
B8	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 2'-6"
B9	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 2'-9"
B10	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 3'-2"
B11	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 3'-4"
B12	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 12'-0"
B13	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 7'-9"
B14	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#5 REBAR, LENGTH 11'-9"
C1	LOOP BAR	ASTM A709 GRADE 70 SMOOTH BAR OR ASTM A706 GRADE 60 REBAR UNCOATED	¾" DIA.
C2	LOOP BAR	ASTM A709 GRADE 70 SMOOTH BAR OR ASTM A706 GRADE 60 REBAR UNCOATED	¾" DIA.
C3	LOOP BAR	ASTM A709 GRADE 70 SMOOTH BAR OR ASTM A706 GRADE 60 REBAR UNCOATED	¾" DIA.
D1	CONNECTION PIN - ROD	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	1 ¼" DIA.
D2	CONNECTION PIN - TOP PLATE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
G1	BOLT THROUGH ANCHOR - THREADED ROD	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 A307 GRADE A OR SAE J429 GRADE 2 UNC	1 ⅛" DIA.
G2	BOLT THROUGH ANCHOR - WASHER, SQUARE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
G3	BOLT THROUGH ANCHOR - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
H1	ADHESIVE ANCHOR - ADHESIVE	ICC-ES-AC308 5 ¼" EMBEDMENT WITH A MIN. BOND STRENGTH OF 1,650 PSI. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	
H2	ADHESIVE ANCHOR - THREADED ROD	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 A307 GRADE A / SAE J429 GRADE 2 UNC	1 ⅛" DIA.
H3	ADHESIVE ANCHOR - WASHER, SQUARE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
H4	ADHESIVE ANCHOR - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
J1	ASPHALT ANCHOR PIN - ROD	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	1 ½" DIA.
J2	ASPHALT ANCHOR PIN - STOP PLATE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
K1	THRIE BEAM RAIL	AASHTO M180 CLASS A TYPE 2 APPROVED PRODUCER	12 GAUGE
L1	THRIE BEAM RAIL - TERMINAL	AASHTO M180 CLASS A TYPE 2 APPROVED PRODUCER	12 GAUGE

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
M1	SPLICE BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 UNC AASHTO M180 HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	⅝" DIA.
M2	SPLICE BOLT - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
N1	THRIE BEAM RAIL TERMINAL - MECHANICAL ANCHOR	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	¾" DIA. LENGTH 6"
N2	THRIE BEAM RAIL TERMINAL - WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1	
N3	THRIE BEAM RAIL TERMINAL MECHANICAL OR ADHESIVE ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 17.9 KIPS AND ULTIMATE SHEAR LOAD 21.96 KIPS. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	
P1	THRIE BEAM RAIL CONNECTION 1-BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	¾" DIA.
P2	THRIE BEAM RAIL CONNECTION 1-WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1	
P3	THRIE BEAM RAIL CONNETION 1- MECHANICAL OR ADHESIVE ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 10.48 KIPS. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	
Q1	BLOCK WOOD	SEE STANDARD SPEC. 614	
R1	CAP - BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	⅝" DIA.
R2	CAP- BOLT - WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1	
R3	CAP - BOLT - MECHANICAL ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS ULTIMATE TENSILE LOAD 12.14 KIPS AND ULTIMATE SHEAR LOAD 17.5 KIPS.SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	12 GAUGE
S1	CAP 42-INCH TOP PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S2	CAP 42-INCH END PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S3	CAP 42-INCH SIDE PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S4	CAP 42-INCH GUSSET 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S5	CAP 42-INCH GUSSET 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S6	CAP 42-INCH GUSSET 3	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S7	CAP 42-INCH GUSSET 4	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B07-16m

BILL OF MATERIALS - CONCRETE BARRIER PRECAST

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
T1	CAP 56-INCH TOP PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T2	CAP 56-INCH END PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T3	CAP 56-INCH SIDE PLATE 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T4	CAP 56-INCH SIDE PLATE 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T5	CAP 56-INCH GUSSET 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T6	CAP 56-INCH GUSSET 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T7	CAP 56-INCH GUSSET 3	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T8	CAP 42-INCH GUSSET 4	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T9	CAP 42-INCH GUSSET 5	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T10	CAP 42-INCH GUSSET 6	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T11	CAP 42-INCH GUSSET 7	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T12	CAP 42-INCH GUSSET 8	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T13	CAP 42-INCH GUSSET 9	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T14	CAP 42-INCH GUSSET 10	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T15	CAP 42-INCH GUSSET 11	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T16	CAP 42-INCH GUSSET 12	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
U1	GAP STIFFENER	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	
U2	GAP STIFFENER - CONNECTOR PLATE 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	
U3	GAP STIFFENER - CONNECTOR PLATE 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
V1	THRIE BEAM RAIL TERMINAL MECHANICAL OR ADHESIVE ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS ULTIMATE TENSILE LOAD 24.0 KIPS AND ULTIMATE SHEAR LOAD 21.5 KIPS. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	¾" DIA.
V2	GAP STIFFENER - BOLT - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C O R MECHANICAL GALVANIZE TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291/ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
W1	TOE PLATE	AASHTO M111/ASTM A123 ASTM A36 MIN STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	
X1	TOE PLATE - CONNECTION BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 UNC HEAVY HEX HEAD OR AASTHO M180 HEAD, ASTM F3125 GRADE A325 TYPE 1 HEAVY HEX HEAD OR SAE J429 GRADE 5 HEAVY HEX HEAD / ASTM A449 TYPE 1 HEAVY HEX HEAD. BOLTS MAY BE FULLY THREADED. PROVIDE ENOUGH THREADING FOR PROPER TIGHTENING OF BOLT.	¾" DIA.
X2	TOE PLATE - CONNECTION BOLT - WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1 (HARDEN WASHER ONLY)	
X3	TOE PLATE - CONNECTION BOLT - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	

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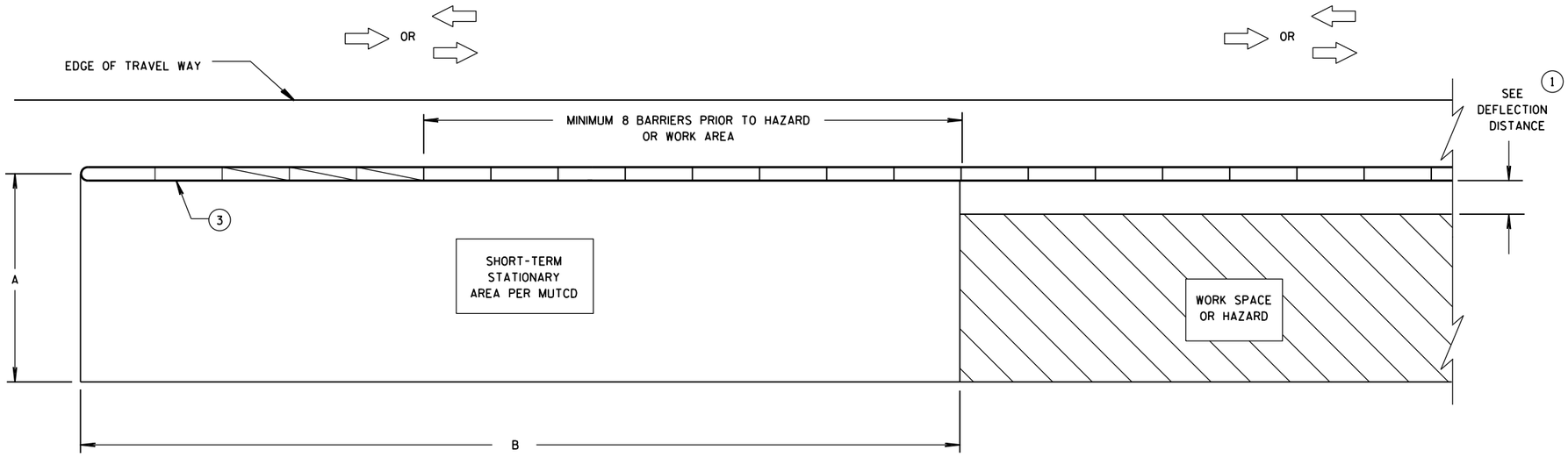
CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

6

SDD 14B07-16n



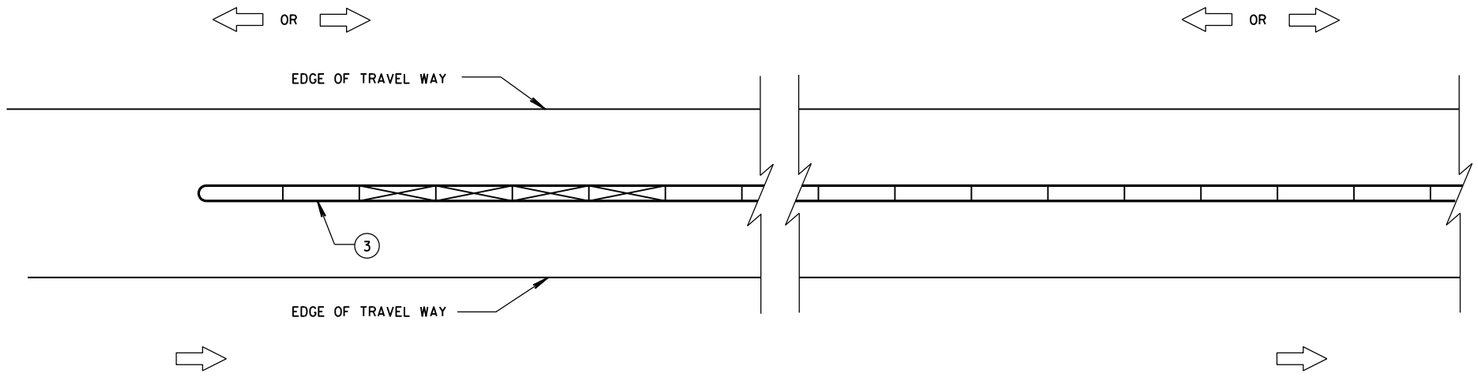
CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE OF BARRIER

DIMENSION A TABLE (2)

FACILITY	POSTED SPEED MPH	DIMENSION A	
		MIN. FT	MAX. FT
FREEWAY/EXPRESSWAY	ALL	15	20
NON-FREEWAY/EXPRESSWAY	GREATER THAN OR EQUAL TO 45	10	15
NON-FREEWAY/EXPRESSWAY	LESS THAN 45	8	10
AADT LESS THAN 1,500	ALL	8	10

DIMENSION B TABLE (2)

POSTED SPEEDS MPH	DIMENSION B FT
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON BOTH SIDES OF BARRIER

LEGEND

- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

GENERAL NOTES

SEE STANDARD DETAIL DRAWING 14B7 FOR MORE INFORMATION.

DETAILS PROVIDE A GENERAL LAYOUT OF TEMPORARY CONCRETE BARRIER, CRASH CUSHIONS, SAND BARREL ARRAYS AND TIE DOWN TRANSITIONS. DETAILS PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

ADDITIONAL TEMPORARY BARRIER MAY BE REQUIRED TO PROTECT TRAVELING PUBLIC FROM HAZARDS, CONTRACTOR'S OPERATIONS OR TO CONTROL TRAFFIC.

TEMPORARY BARRIER MAY BE REQUIRED TO BE ANCHORED TO PAVEMENT OR BRIDGE DECK.

FOR DETAILS ON CRASH CUSHION OR SAND BARREL ARRAYS SEE OTHER SECTIONS OF THE PLAN AND MANUFACTURE'S DETAILS.

SLOPES LEADING TO TEMPORARY BARRIER, CRASH CUSHION OR SAND BARREL ARRAY ARE 10:1 OR LESS.

(1) FOR DEFLECTION INFORMATION SEE STANDARD DETAIL DRAWING 14B7.

(2) VALUES PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

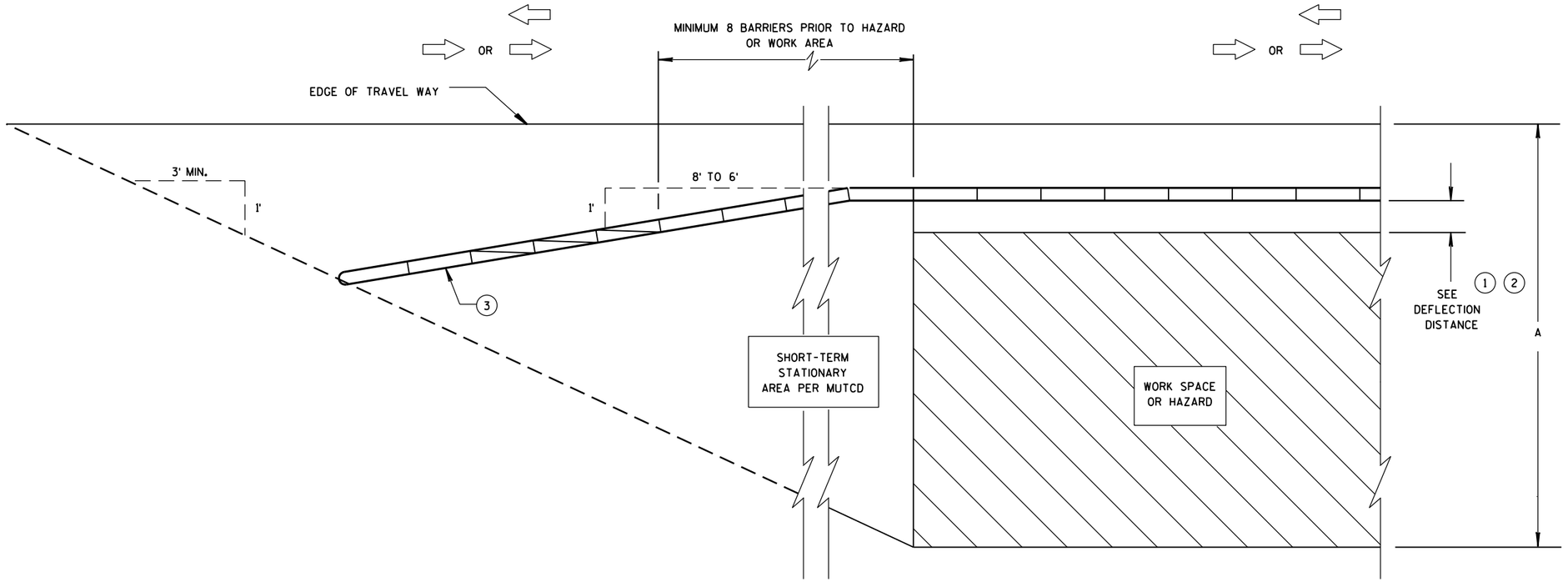
(3) ANCHOR TEMPORARY BARRIER ACCORDING TO CRASH CUSHION OR SAND BARREL MANUFACTURER'S RECOMMENDATIONS. IF MANUFACTURER'S RECOMMENDATIONS ARE NOT PROVIDED, ANCHOR 3 PINS ON TRAFFIC SIDE.

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

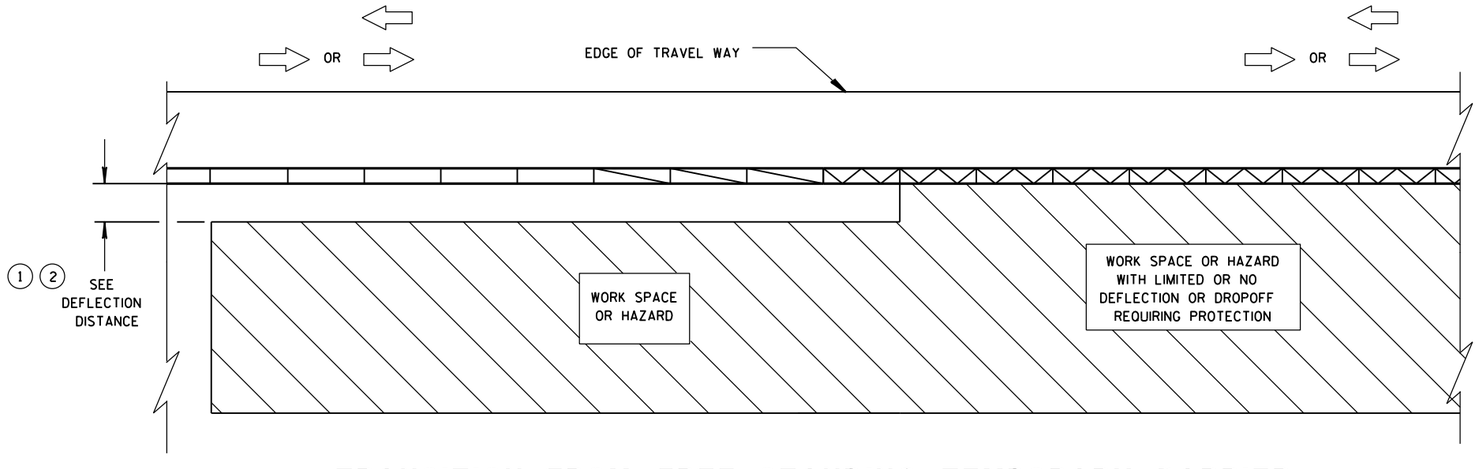
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 14 B 8-2a



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE - FLARED INSTALLATION



TRANSITION FROM FREE STANDING TEMPORARY BARRIER TO ANCHORED BARRIER

LEGEND

- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

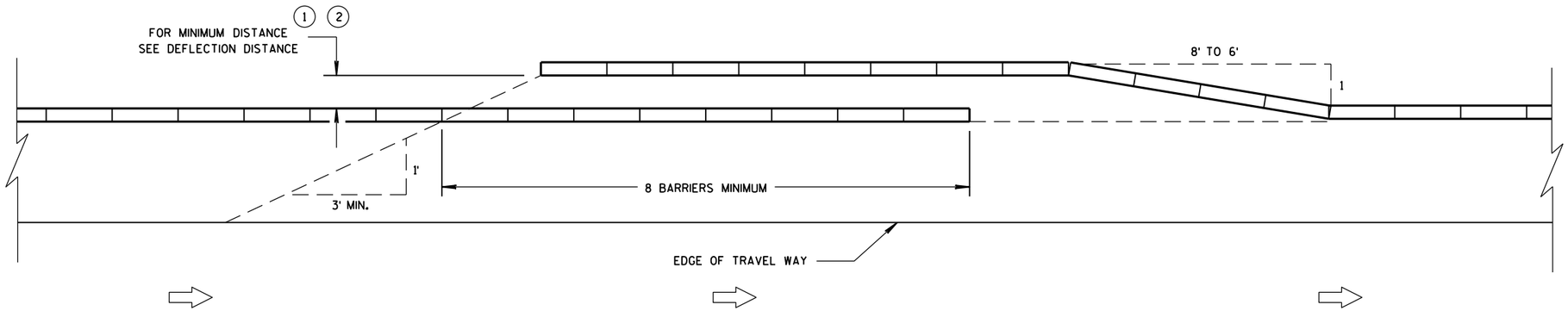
STATE OF WISCONSIN
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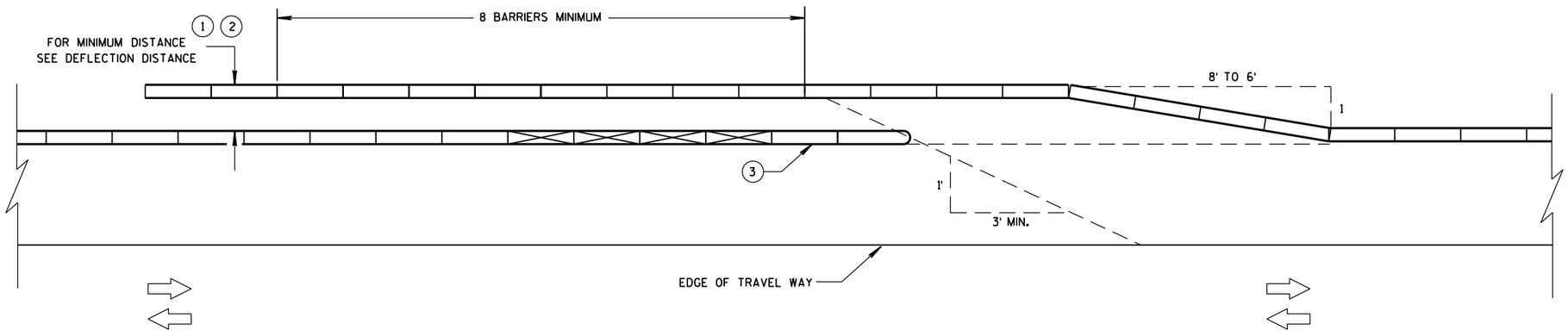
S.D.D. 14 B 8-2b

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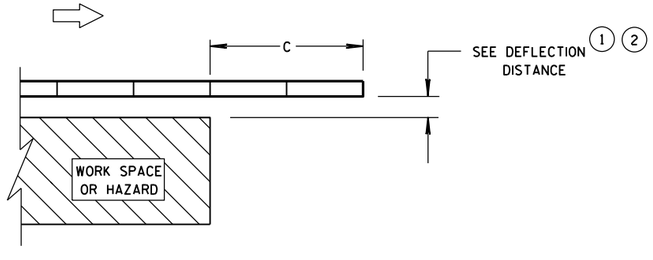
S.D.D. 14 B 8-2b



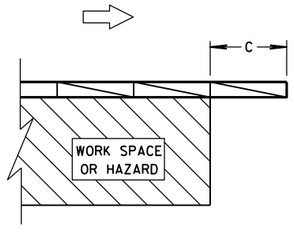
TEMPORARY BARRIER OVERLAP - ONE-WAY TRAFFIC



TEMPORARY BARRIER OVERLAP - TWO-WAY TRAFFIC



ENDING TEMPORARY BARRIER DOWNSTREAM - UNANCHORED



ENDING TEMPORARY BARRIER DOWNSTREAM - ANCHORED

LEGEND

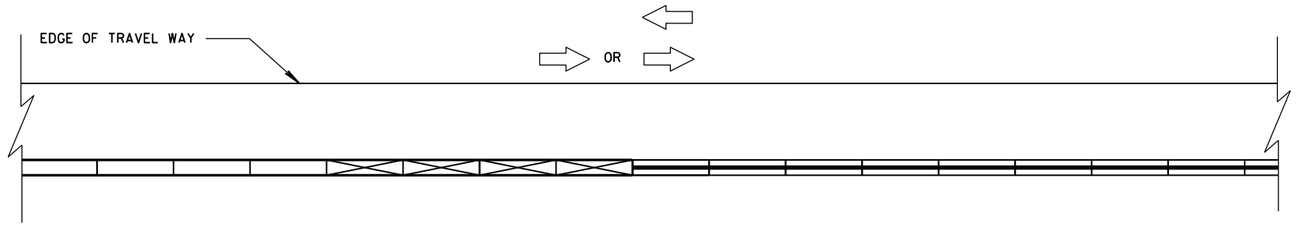
- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

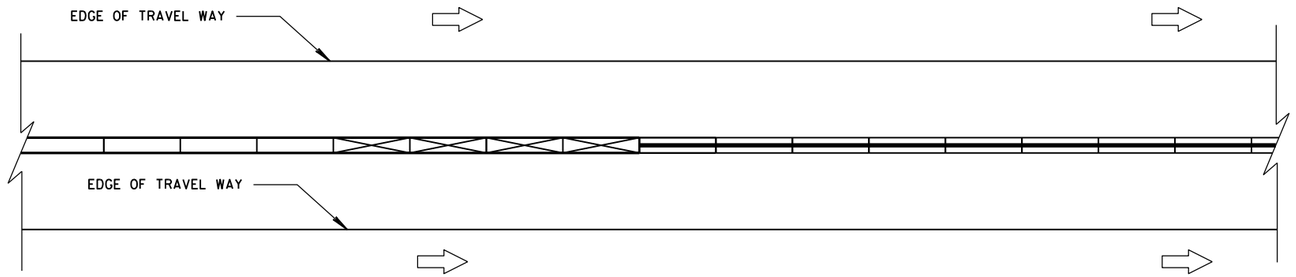
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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S.D.D. 14 B 8-2c



CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON ONE SIDE



CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON BOTH SIDES

LEGEND

DIRECTION OF TRAVEL

CRASH CUSHION OR
SAND BARREL ARRAY

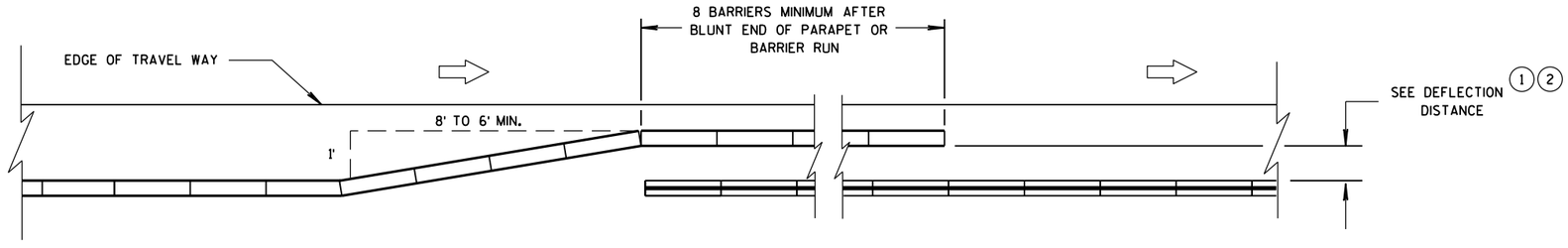
SEE FREE STANDING TRANSITION
TO TIED-DOWN SYSTEM DETAILS

SEE BI-DIRECTIONAL TRANSITION
TO TIED-DOWN SYSTEM DETAILS

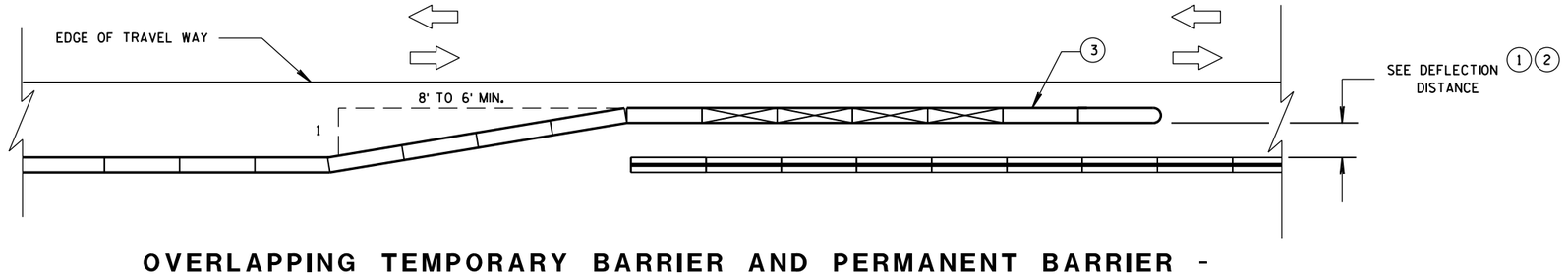
3 PINS PLACED ON
TRAFFIC SIDE OF BARRIER

PERMANENT CONCRETE BARRIER
OR CONCRETE PARAPET

FREE STANDING TEMPORARY
BARRIER



OVERLAPPING TEMPORARY BARRIER AND PERMANENT BARRIER -
ONE WAY TRAFFIC



OVERLAPPING TEMPORARY BARRIER AND PERMANENT BARRIER -
TWO WAY TRAFFIC

CRASH CUSHION/SAND BARREL
ARRAY AND OTHER TEMPORARY
BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 14 B 8-2d

LEGEND

DIRECTION OF TRAVEL

CRASH CUSHION OR SAND BARREL ARRAY

SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS

SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS

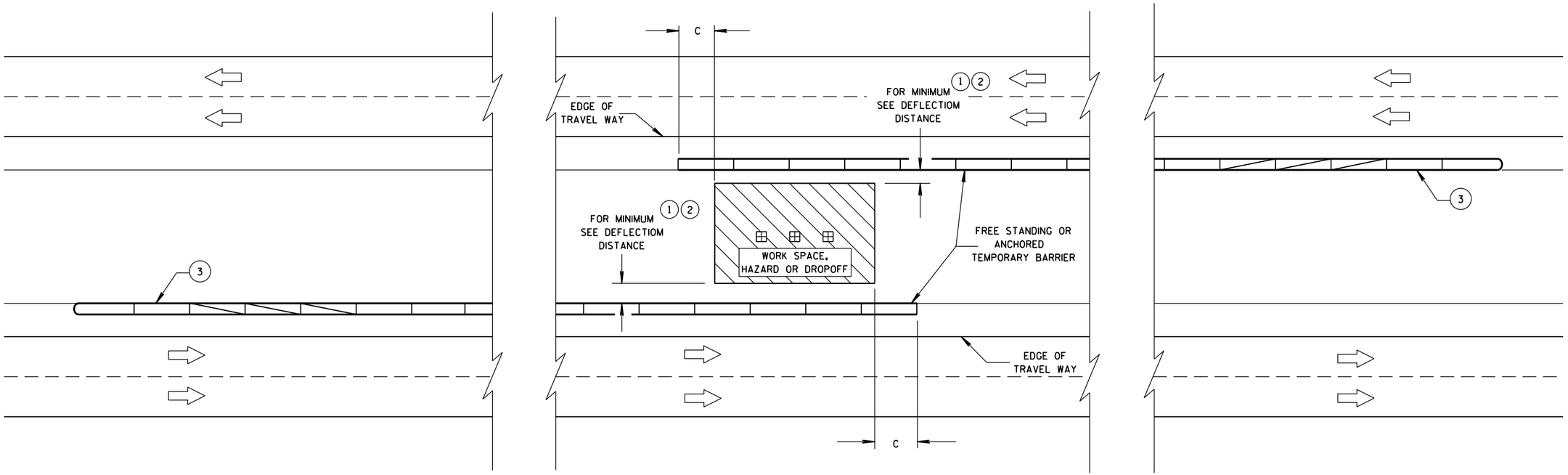
3 PINS PLACED ON TRAFFIC SIDE OF BARRIER

PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET

FREE STANDING TEMPORARY BARRIER

DIMENSION C TABLE (2)

AVAILABLE DEFLECTION DISTANCE	MINIMUM LENGTH OF BARRIER BEYOND HAZARD FT
GREATER THAN 8'	12.5
LESS THAN OR EQUAL TO 8' BUT GREATER THAN 4'	50
LESS THAN OR EQUAL TO 4'	100



CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINNER
FHWA

6

S.D.D. 14 B 8-2e

GENERAL NOTES

(1) W6 X 9 OR W6 X 8.5 STEEL POSTS AND 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. APPROVED PLASTIC BLOCKOUT DESIGNS MAY VARY FROM THIS TYPICAL DETAIL WHEN USED IN CONJUNCTION WITH STEEL POSTS.

DO NOT MIX STEEL POSTS 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 DAMAGED 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.

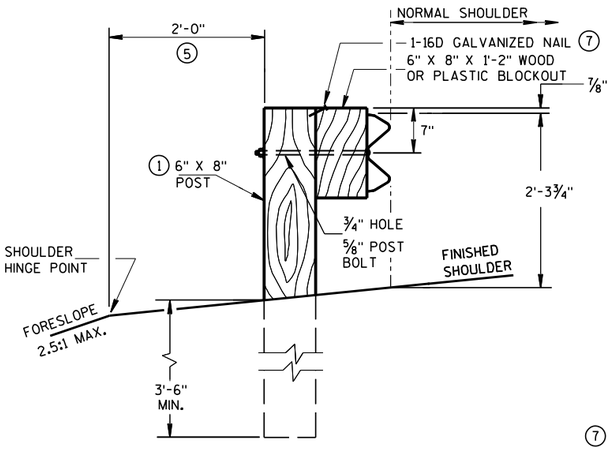
(5) IF THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING, W BEAM (LHW).

(6) IF ROCK IS ENCOUNTERED DURING EXCAVATION, THE ENGINEER MAY APPROVE USING A 12 INCH DIAMETER POST HOLE EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE APPROXIMATELY 2½ INCHES DEEP. CUT THE POSTS TO LENGTH AND PLACE IN YHE HOLE. BACKFILL WITH MATERIAL EXCAVATED FROM THE HOLE AND COMPACT ADEQUATEY.

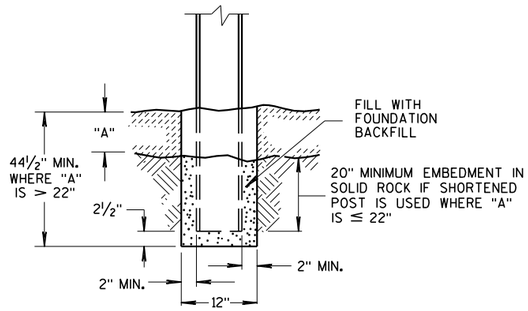
(7) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

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

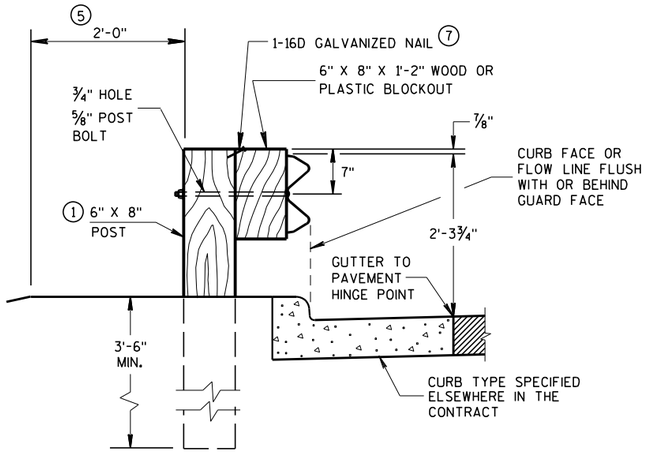
ALL DIMENSIONS ARE SUBJECT TO MANUFACTURER'S TOLERANCES EXCEPT WHERE ALLOWABLE TOLERANCES ARE SHOWN.



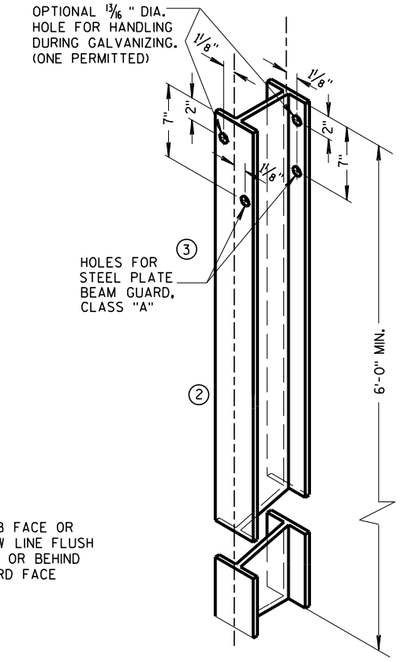
END VIEW
LOCATED ALONG A ROADWAY SHOULDER
STANDARD INSTALLATION



END VIEW
SETTING STEEL OR WOOD POST IN ROCK (6)

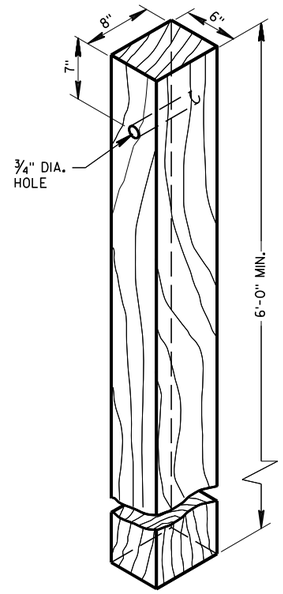


END VIEW
LOCATED ALONG A CURBED ROADWAY

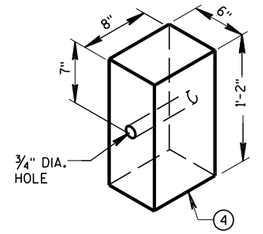


STEEL POST &
HOLE PUNCHING DETAIL
(W6 X 9) (1)

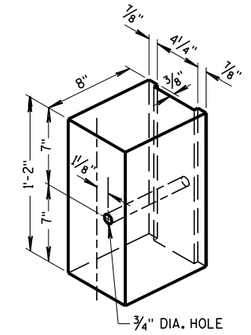
ALL HOLES 13/16" DIAMETER EXCEPT AS NOTED



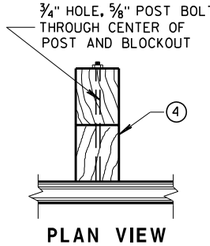
WOOD POST
(6"X8") NOMINAL



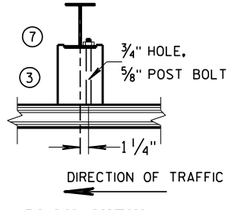
WOOD OR PLASTIC
BLOCKOUT FOR
WOOD POSTS



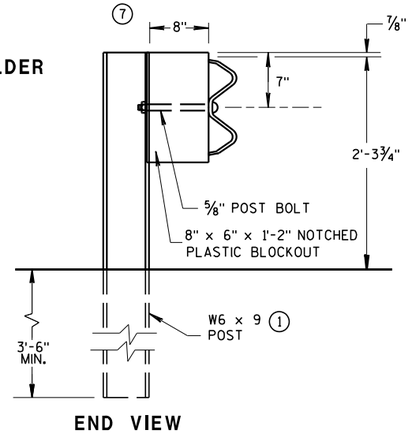
TYPICAL NOTCHED
PLASTIC BLOCKOUT
FOR STEEL POSTS (1)



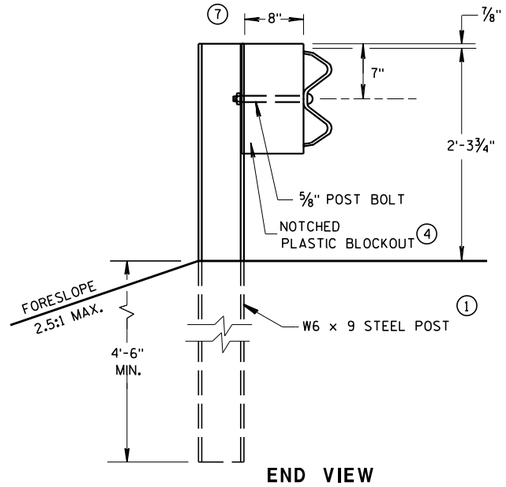
PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



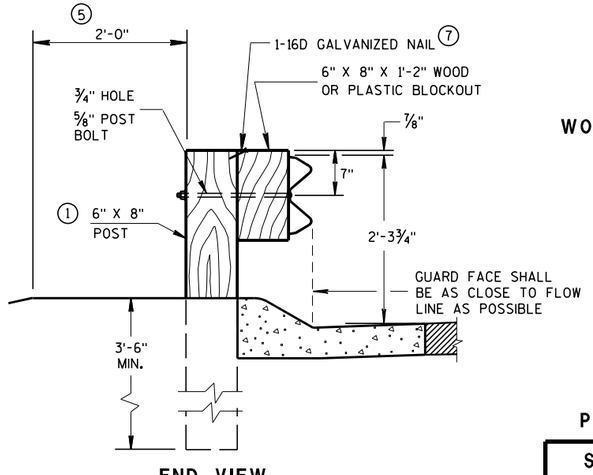
PLAN VIEW
STEEL POST, NOTCHED
PLASTIC BLOCKOUT & BEAM



END VIEW
STEEL POST & NOTCHED
PLASTIC BLOCKOUT ALTERNATIVE
STANDARD INSTALLATION



END VIEW
LONGER POST AT HALF
POST SPACING W BEAM
(LHW)



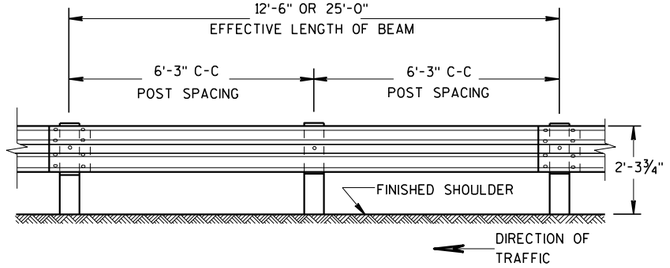
END VIEW
LOCATED ALONG A
MOUNTABLE CURBED ROADWAY

TYPICAL INSTALLATION OF STEEL PLATE BEAM GUARD

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

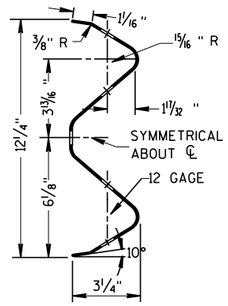
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
S.D.D. 14 B 15-11a

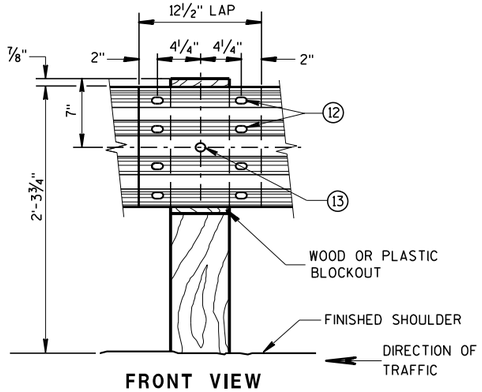


FRONT VIEW

POST SPACING STANDARD INSTALLATION



SECTION THRU W BEAM



FRONT VIEW

BEAM SPLICE AT WOOD POST AND POST MOUNTING DETAIL

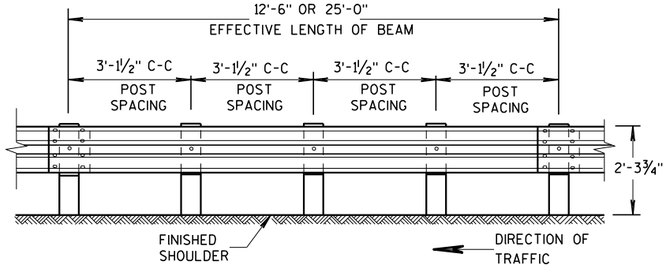
GENERAL NOTES

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.

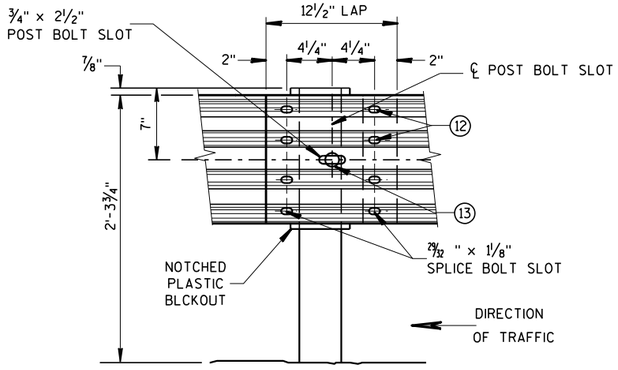
(12) 8 -⅝" ϕ X 2" BUTTON HEAD BOLTS WITH OVAL SHOULDERS & RECESS NUTS.

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



FRONT VIEW

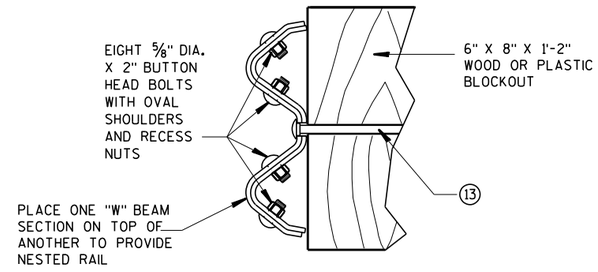
POST SPACING FOR LONGER POST AT HALF POST SPACING W BEAM (LHW)



FRONT VIEW

BEAM SPLICE AT STEEL POST

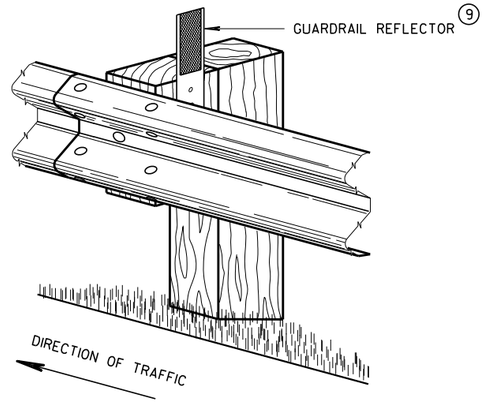
TYPICAL SPLICING DETAILS OF STEEL PLATE BEAM GUARD



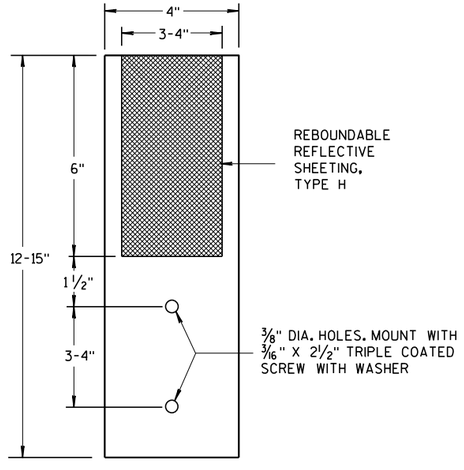
NESTED W BEAM (NW)

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

* 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

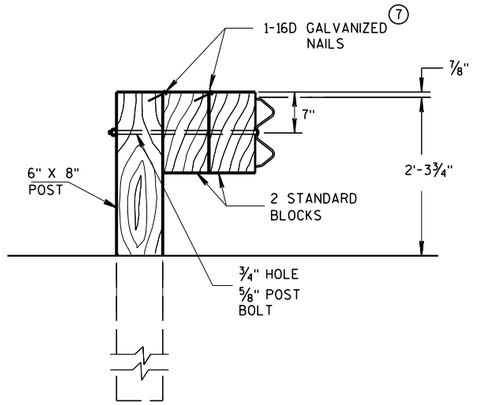
STATE OF WISCO 386
DEPARTMENT OF TRANSPORTATION

6

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

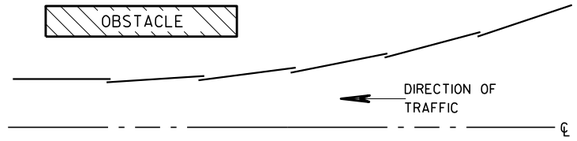
6

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

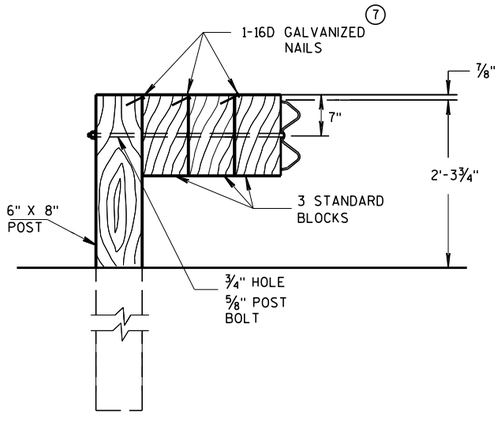


DETAIL FOR DOUBLE BLOCKS

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

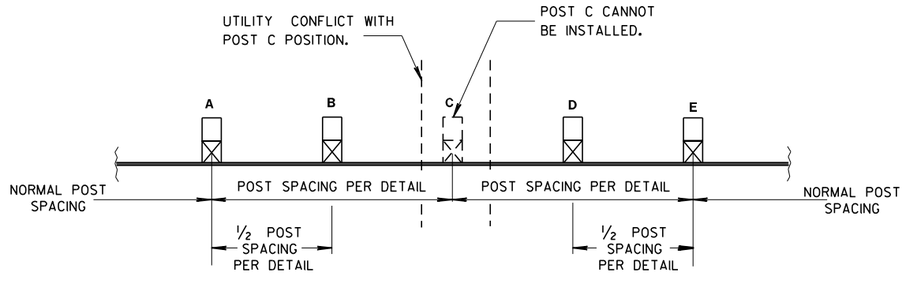


PLAN VIEW
BEAM LAPPING DETAIL



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.

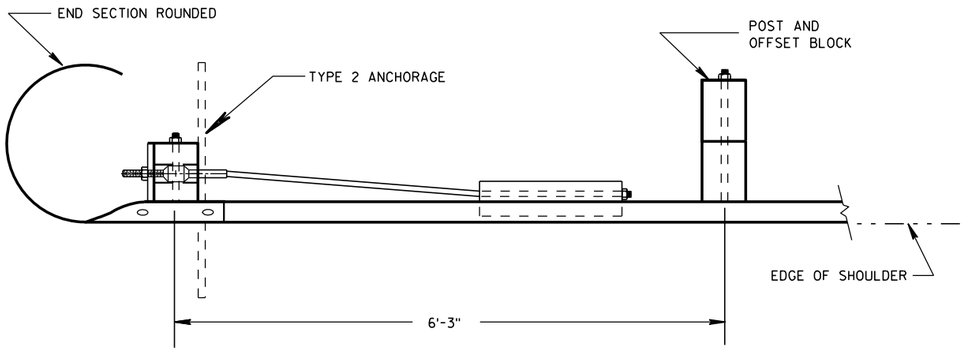
DO NOT USE EXTRA BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

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

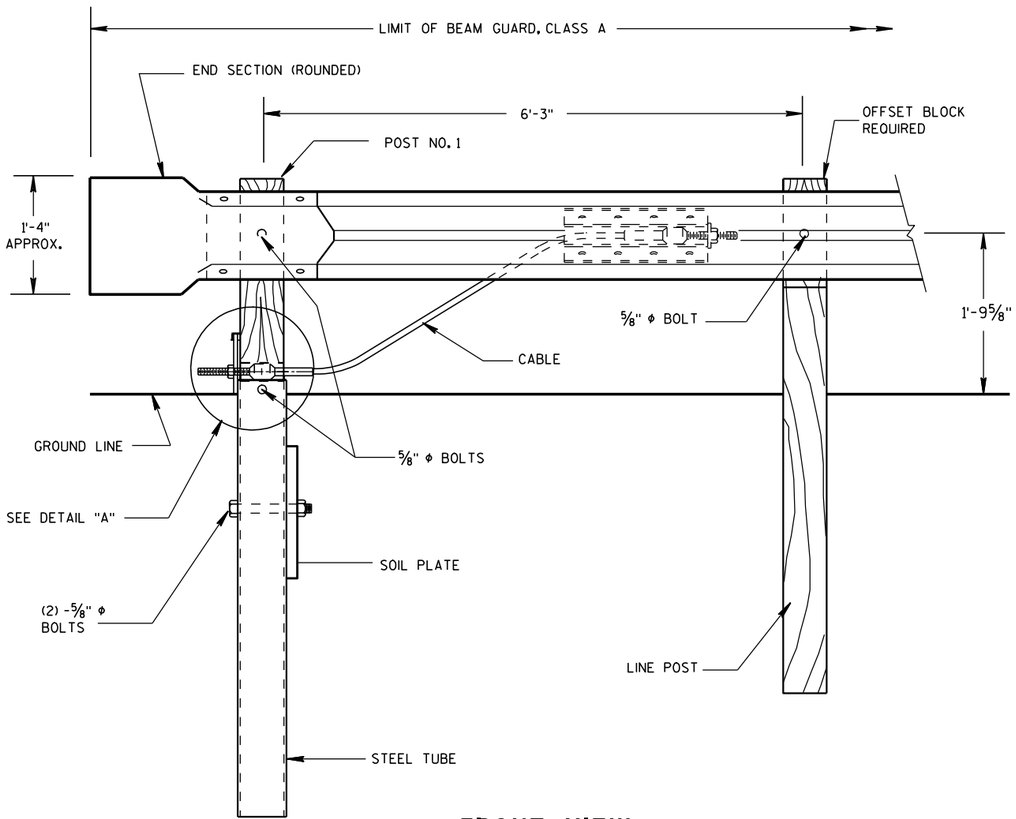
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERVISOR
387
FHWA

6
S.D.D. 14 B 15-11c



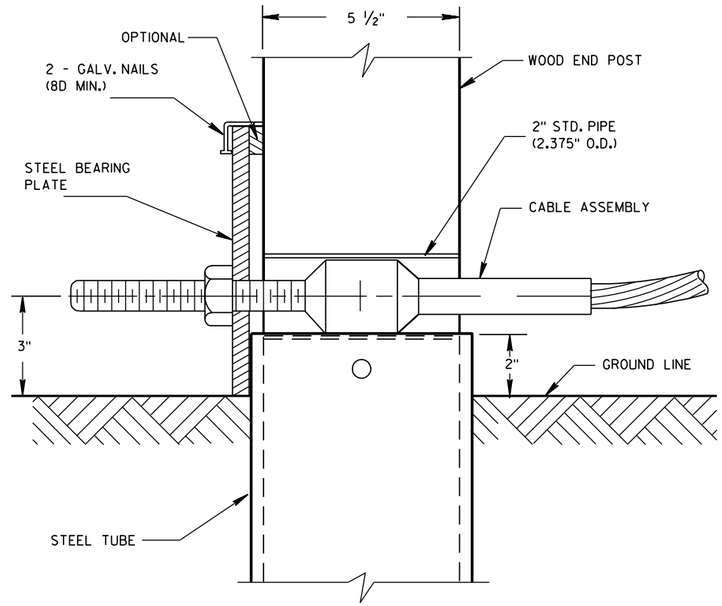
PLAN VIEW



FRONT VIEW

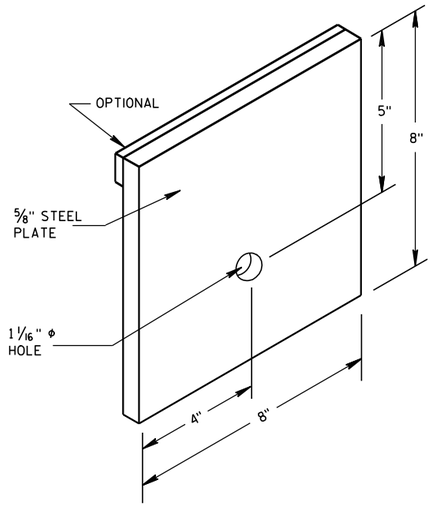
END TREATMENT WITH TYPE 2 ANCHORAGE

(USE ON ONE-WAY ROADWAYS ONLY - DEPARTING END)



DETAIL "A"

POST NO. 1

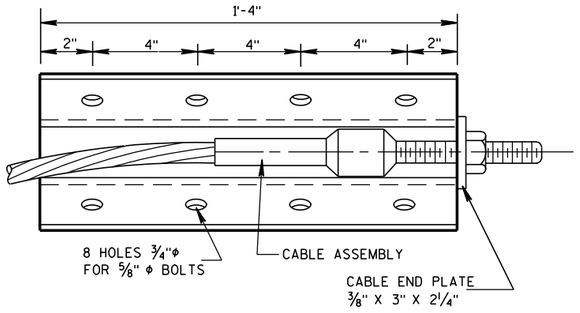


STEEL BEARING PLATE

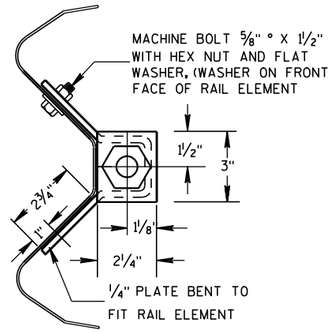
ANCHORAGE FOR STEEL
PLATE BEAM GUARD
TYPE 2

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
S.D.D. 14 B 16-4a

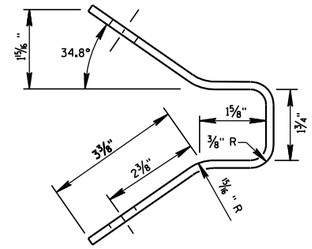


FRONT VIEW

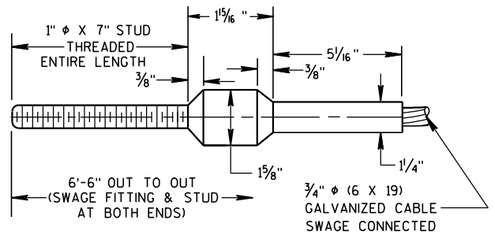


END VIEW

ANCHOR PLATE DETAIL



END VIEW OF BRACKET



CABLE ASSEMBLY

CABLE, SWAGE FITTING, STUD AND NUT SHALL DEVELOP
A MINIMUM BREAKING STRENGTH OF 40,000 LB
(TIGHTEN UNTIL TAUT)

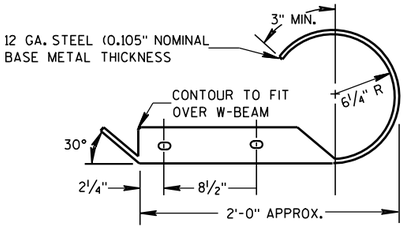
GENERAL NOTES

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

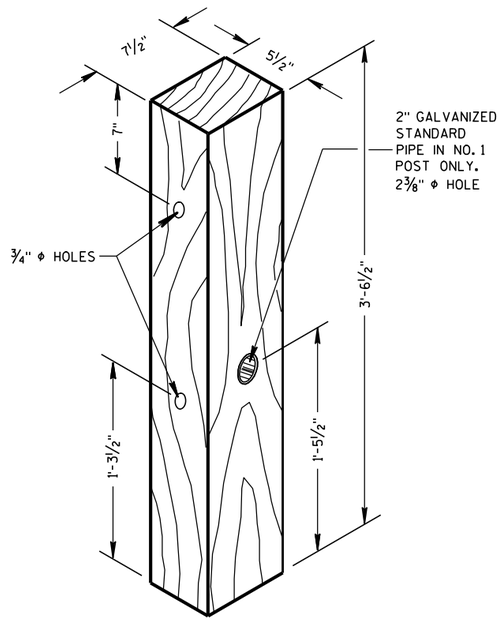
STRUCTURAL TUBING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-500 GRADE B OR ASTM A-501.

POST NO. 1 SHALL BE WOOD BREAKAWAY POST INSERTED AND BOLTED INTO STEEL TUBE.

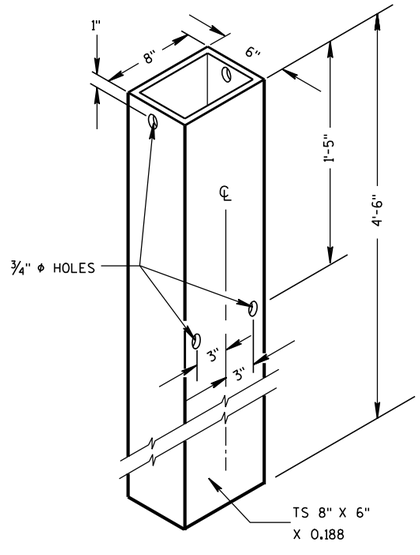
TYPE 2 ANCHORAGE SHALL CONSIST OF A STEEL TUBE, SOIL PLATE WOOD BREAKAWAY POST, BEARING PLATE, ANCHOR PLATE, CABLE ASSEMBLY AND ALL ASSOCIATED HARDWARE, ALL STEEL PARTS SHALL BE GALVANIZED.



PLAN VIEW

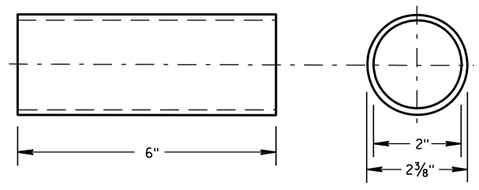


WOOD BREAKAWAY POST



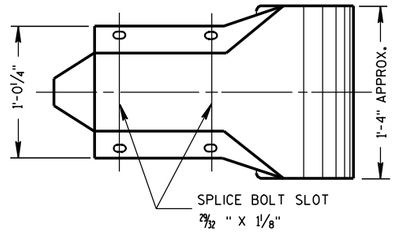
STEEL TUBE

STEEL TUBE SHALL CONFORM TO
REQUIREMENTS OF ASTM A500

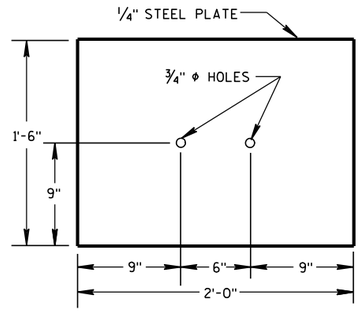


BREAKAWAY TERMINAL POST SLEEVE

GALVANIZED STANDARD STRENGTH STEEL PIPE, ASTM 53 GRADE "B"



FRONT VIEW
W BEAM END SECTION ROUNDED



SOIL PLATE

ANCHORAGE FOR STEEL
PLATE BEAM GUARD
TYPE 2

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

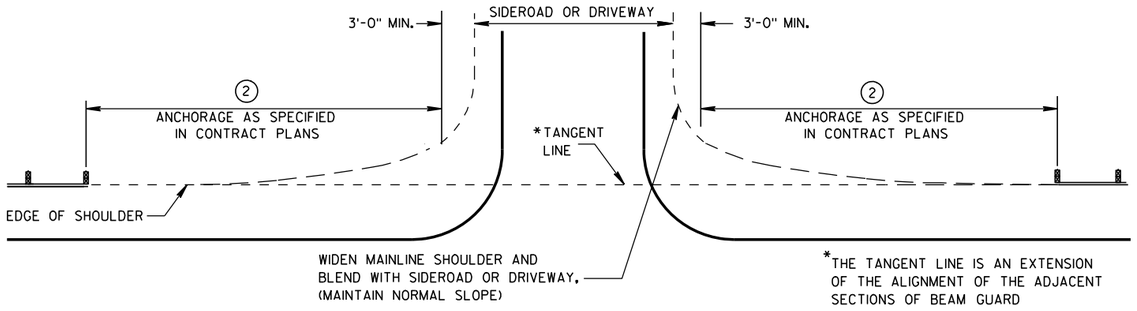
APPROVED
8/21/2007
DATE
/S/ Jerry H. [illegible]
ROADWAY STANDARDS ENGINEER
389
FHWA

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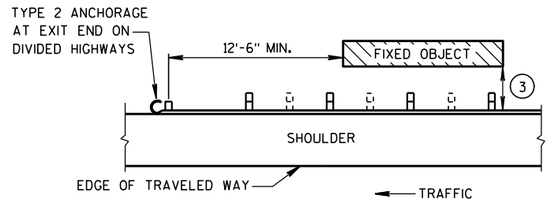
S.D.D. 14 B 16-4b

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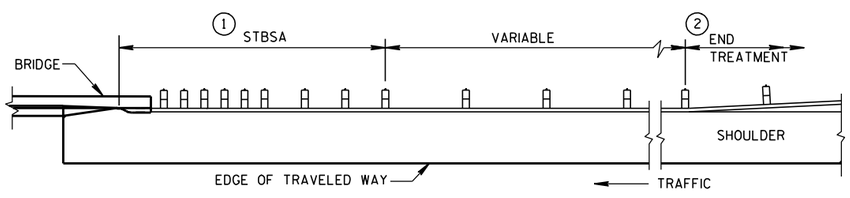
S.D.D. 14 B 16-4b



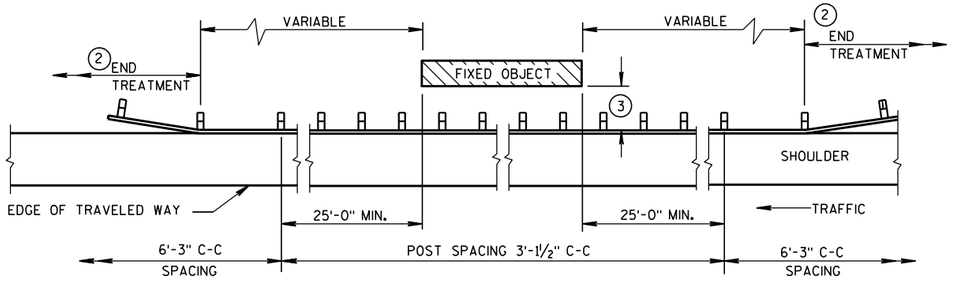
BEAM GUARD AT SIDEROADS OR DRIVEWAYS



BEAM GUARD AT OBSTACLES EXIT END - ONE WAY TRAFFIC

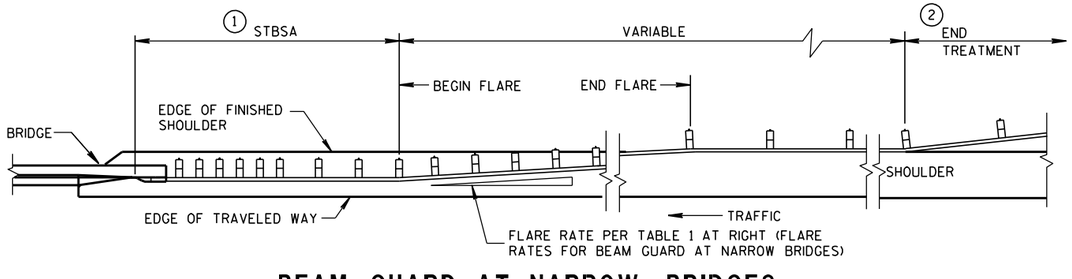


BEAM GUARD AT FULL WIDTH BRIDGES



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

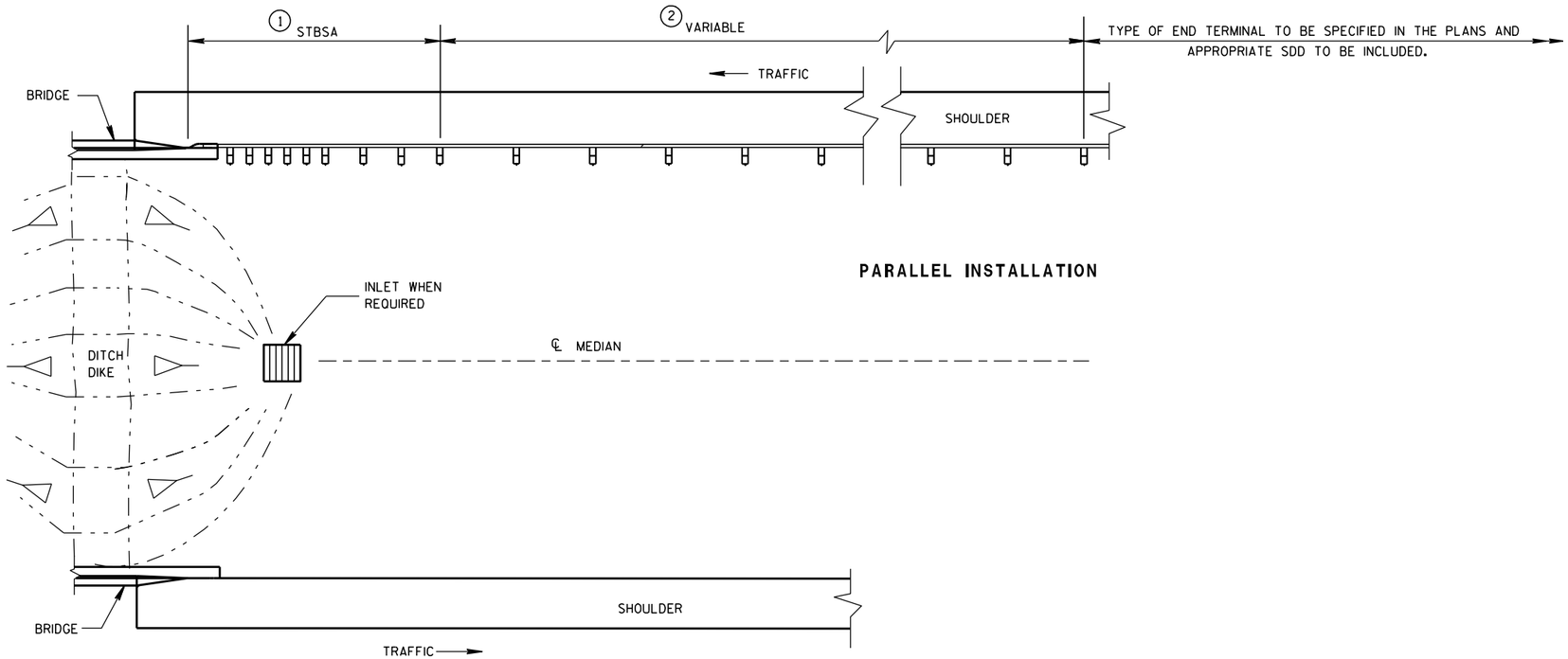
FHWA

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

GENERAL NOTES

1. STEEL THRIE BEAM STRUCTURAL APPROACH (STBSA) - SEE CURRENT SDD 14B20.
2. LOCATIONS AND LENGTHS OF BEAM GUARD ARE SHOWN ELSEWHERE IN THE PLAN.

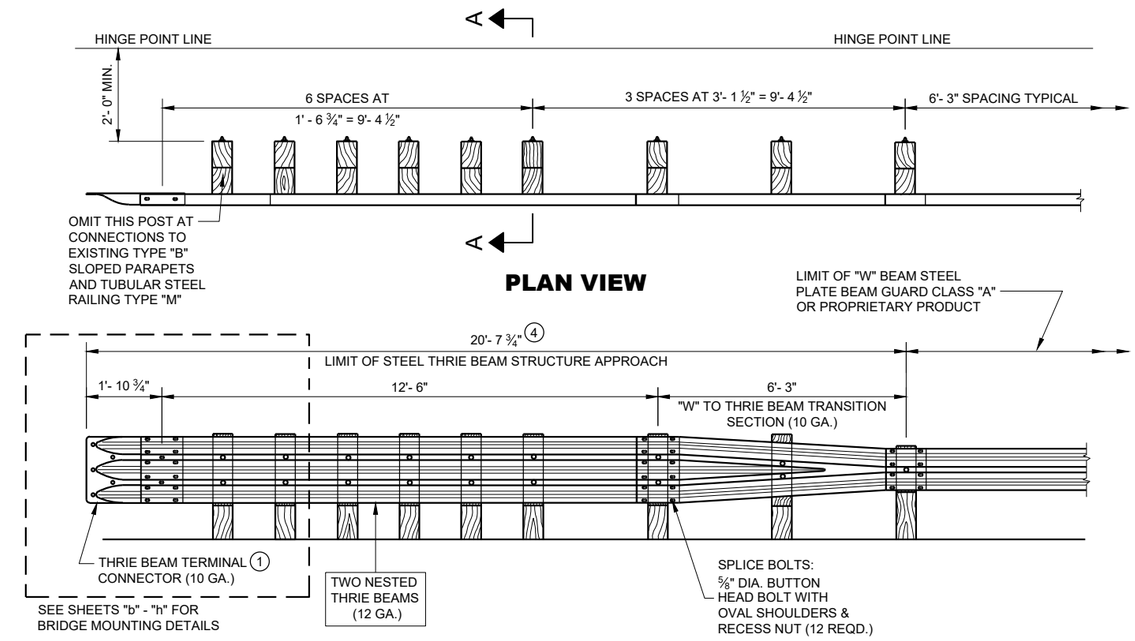


PARALLEL INSTALLATION

BEAM GUARD AT MEDIAN APPROACH TO BRIDGES

STEEL PLATE BEAM GUARD CLASS "A" AT MEDIAN APPROACH TO BRIDGES	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
8-21-07 DATE	/S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA	

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



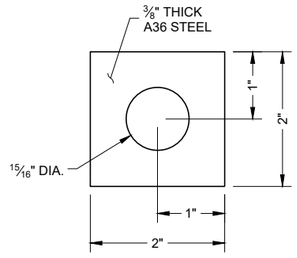


PLATE WASHER DETAIL

GENERAL NOTES

BOLT THE THRIE BEAM TO ALL POSTS AND BLOCKOUTS. DRILL OR PUNCH BOLT HOLES IN THE BEAM IF THE POST SPACING IS LESS THAN 6'-3".

DO NOT USE STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS IN THE STEEL THRIE BEAM STRUCTURAL APPROACH AND THE TRANSITION SECTION OF STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATIONS.

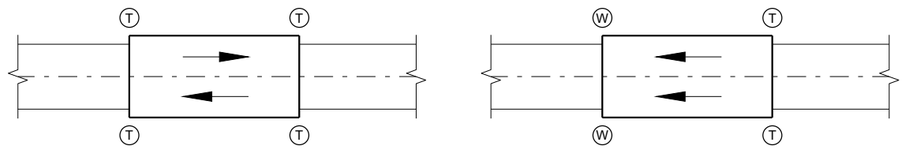
IF ROCK IS ENCOUNTERED, REMOVE ROCK TO FULL DEPTH OF POST PLUS 2 ½" , AND 12" DIAMETER AROUND POST. SEE 14B15 FOR MORE DETAILS.

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

(2) MINIMUM EMBEDMENT SHALL BE 4'- 0".

(3) POST BOLTS ARE ⅝" DIAMETER ASTM A307 BUTTON HEAD BOLT. A POST BOLT REQUIRES A ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX AND A ⅝" DIAMETER F844 FLAT WASHER. LENGTH OF POST BOLT MAY VARY.

(4) ALL WOOD POSTS MUST BE 6" X 8" AND AT LEAST 7'-0" LONG.



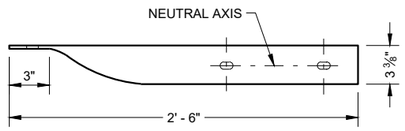
TWO WAY TRAFFIC

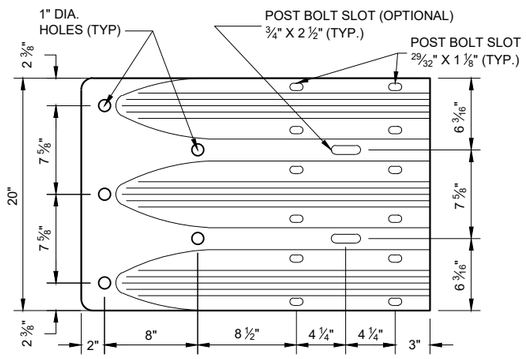
ONE WAY TRAFFIC

(T) THRIE BEAM CONNECTION

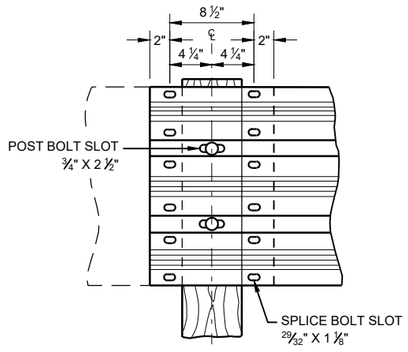
(W) W-BEAM CONNECTION WHEN REQUIRED

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

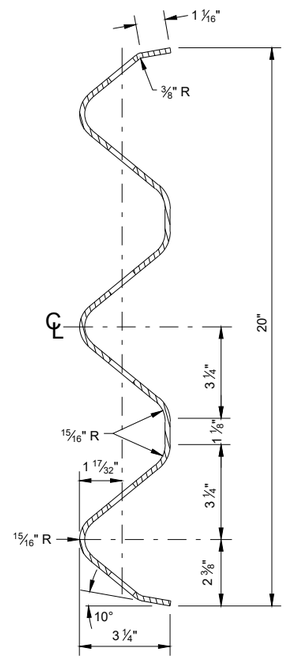




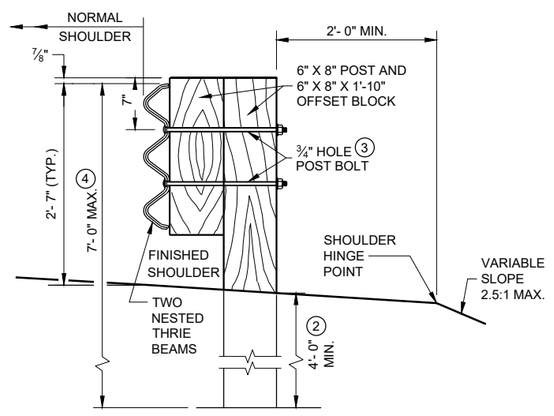
THRIE BEAM TERMINAL CONNECTOR



THRIE BEAM SPLICE



SECTION THRU BEAM RAIL ELEMENT



SECTION A-A

STEEL THRIE BEAM STRUCTURE APPROACH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

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SDD 14B20 - 12a
SDD 14B20 - 12a

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.

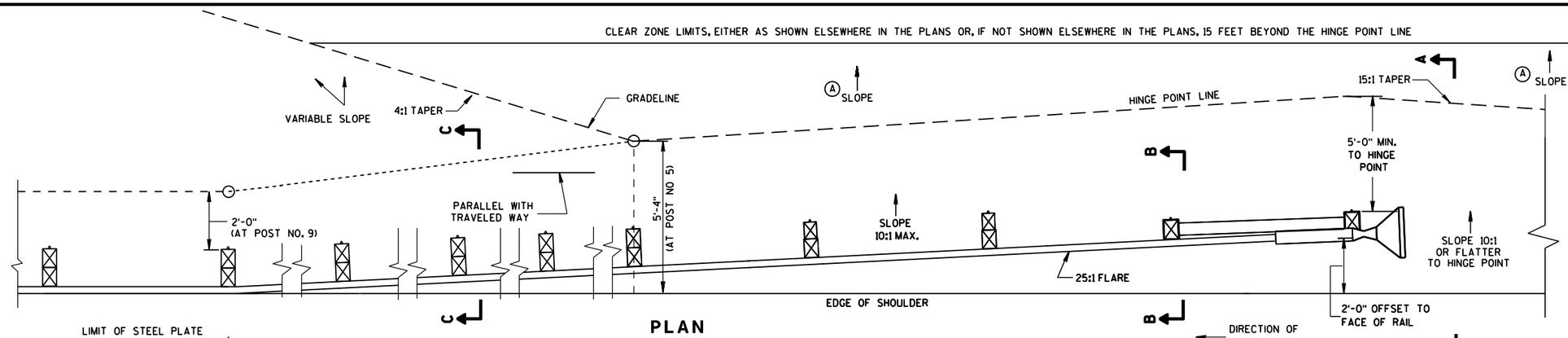
(E) THE CENTER OF THE UPPER 3½" DIAMETER HOLE ON POST 3 THROUGH 8 SHALL BE ¾" ABOVE THE FINISHED GROUND LINE.

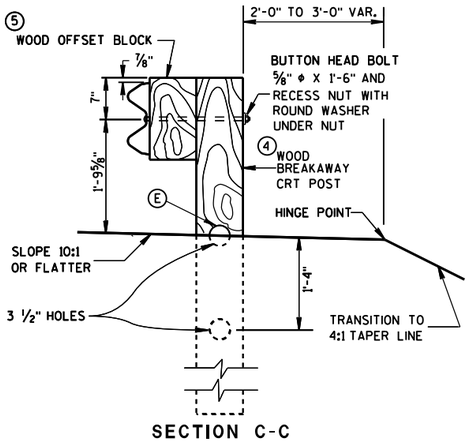
(F) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF-TAPPING SCREWS. ONE SCREW PER CORNER.

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

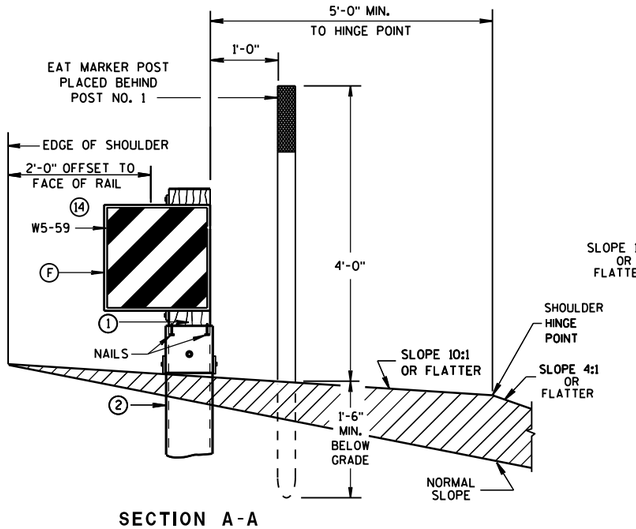
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

* DO NOT ATTACH BLOCKOUTS TO POSTS 1 AND 2.

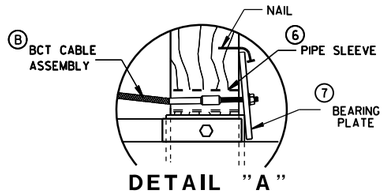




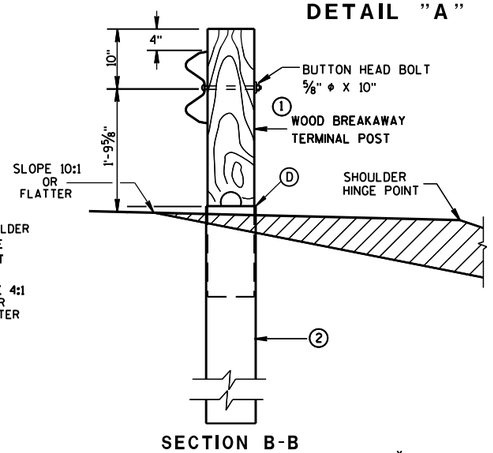
SECTION C-C
TYPICAL AT POST NOS. 6, 8



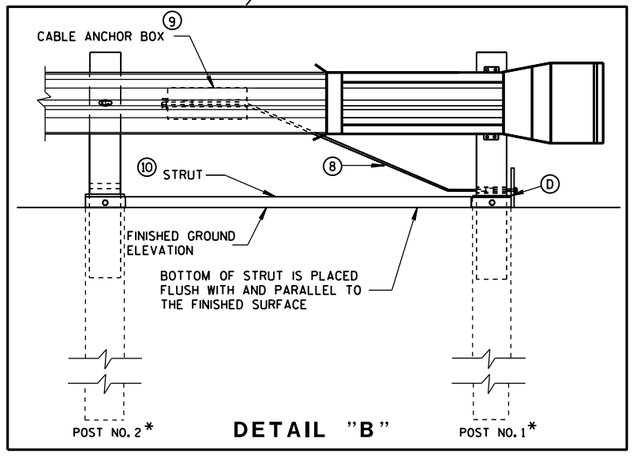
SECTION A-A
TYPICAL AT POST NO. 1*



DETAIL "A"



SECTION B-B
TYPICAL AT POST NO. 2*



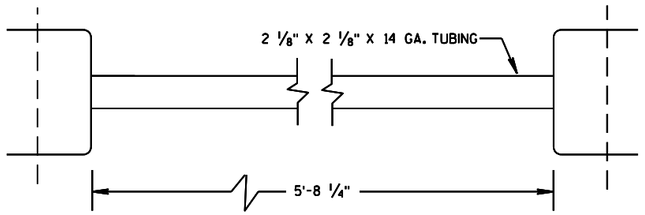
DETAIL "B"

STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

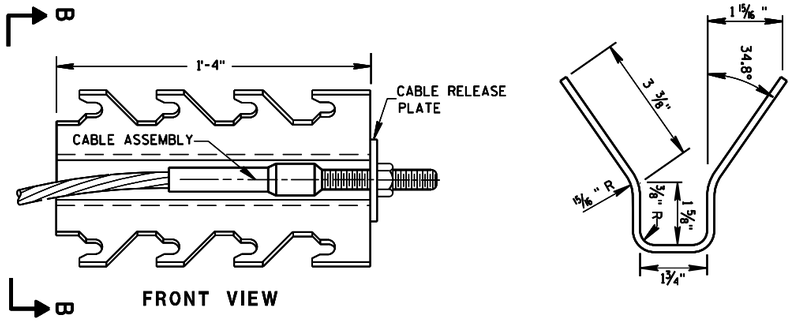
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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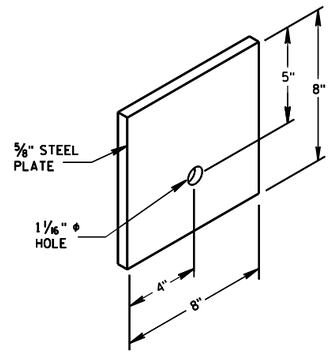
S.D.D. 14 B 24-9a



⑩ STRUT DETAIL



⑨ CABLE ANCHOR BOX



⑦ STEEL BEARING PLATE

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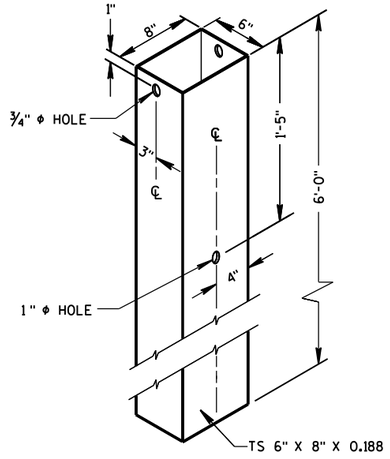
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S.D.D. 14 B 24-9b

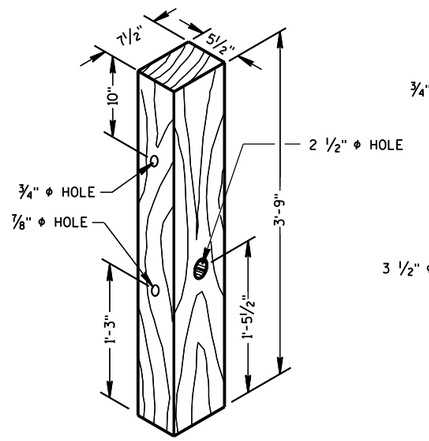
S.D.D. 14 B 24-9b

STEEL PLATE BEAM GUARD
ENERGY ABSORBING TERMINAL

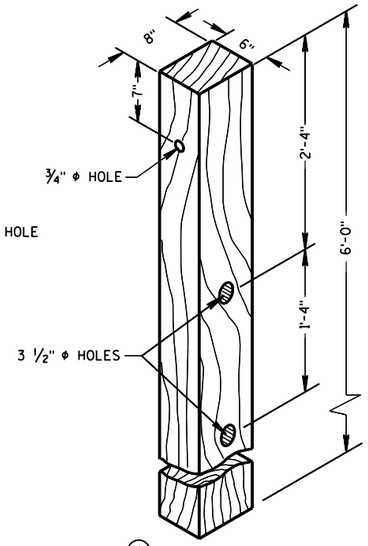
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI



② 72" STEEL TUBE
(POSTS NO. 1-2



① TERMINAL POST

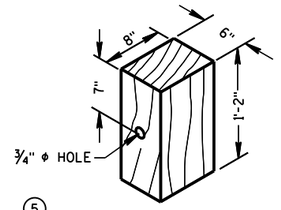


④ CRT POST
(POSTS NO'S 5-8

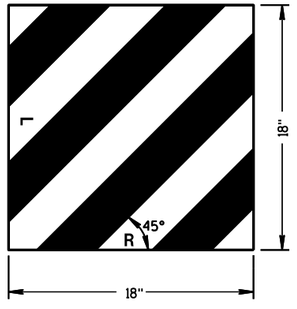
WOOD BREAKAWAY POSTS

GENERAL NOTES

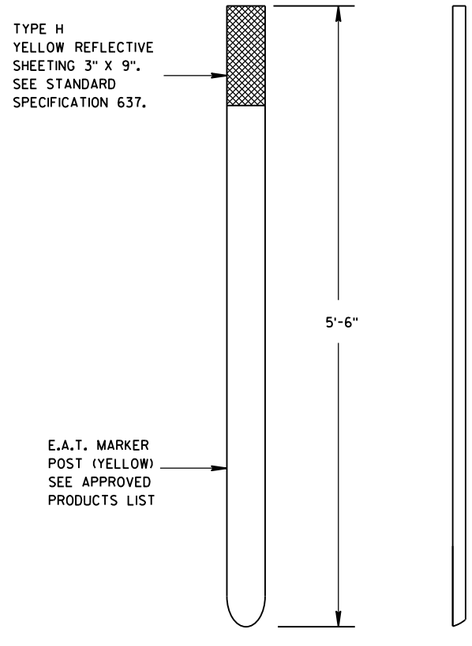
WHEN ROCK IS ENCOUNTERED DURING EXCAVATION, A 12 INCH DIA. POST HOLE EXTENDING 20 INCHES DEEP INTO THE ROCK MAY BE USED IF APPROVED BY THE ENGINEER. GRANULAR MATERIAL SHALL BE PLACED IN THE BOTTOM OF THE HOLE APPROXIMATELY 2 1/2" INCHES DEEP TO PROVIDE DRAINAGE. THE SOIL TUBES SHALL BE FIELD CUT TO LENGTH,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

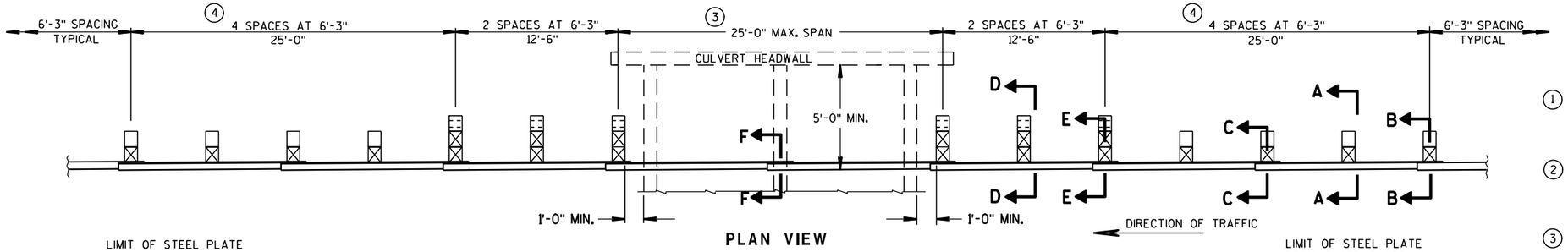
APPROVED
June 2017
DATE
/S/ Rodney Taylor
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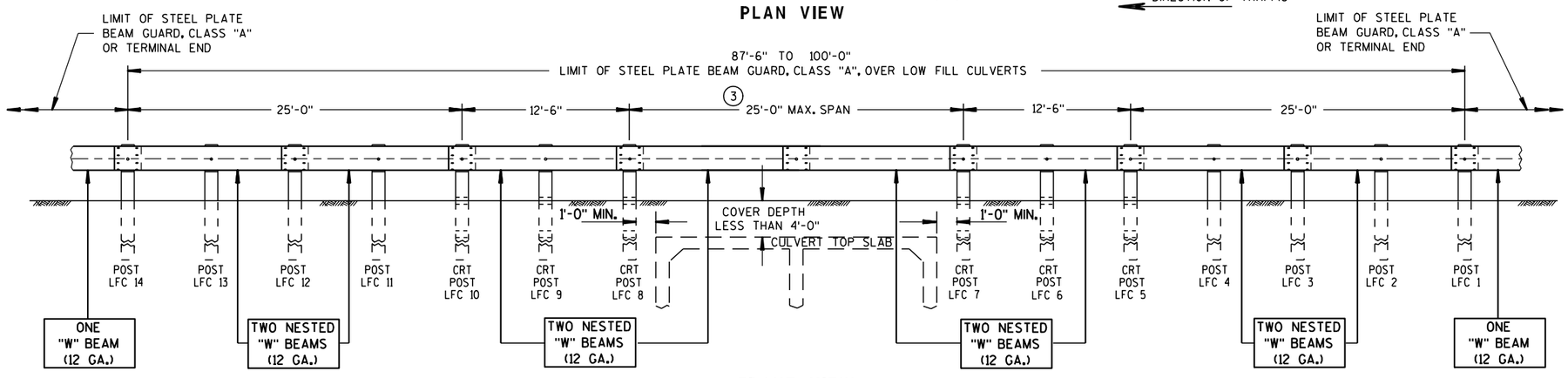
S.D.D. 14 B 24-9c

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



PLAN VIEW



FRONT VIEW

TYPICAL INSTALLATION OF STEEL PLATE BEAM GUARD OVER LOW FILL CULVERTS

GENERAL NOTES

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

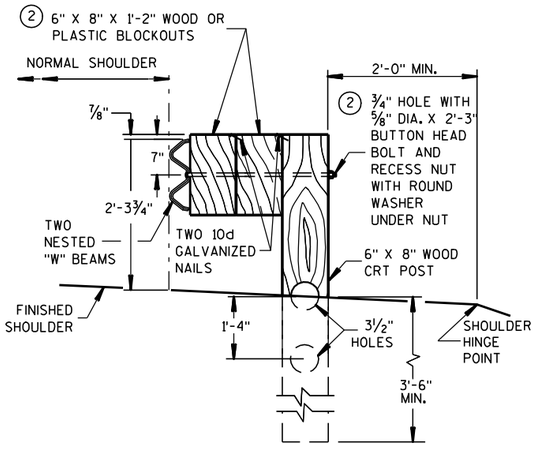
(1) MAINTAIN THE NESTING OF EACH NESTED PAIR OF "W" BEAM SECTIONS THROUGH SPLICES. ORIENTATE NESTED "W" BEAM SPLICES IN THE DIRECTION OF TRAFFIC AS THE PLAN VIEW SHOWS. SEE S.D.D. 14 B 15 FOR SPLICE INSTALLATION.

(2) THE CONTRACTOR MAY USE APPROVED PLASTIC BLOCKOUTS IN LIEU OF WOOD BLOCKOUTS. SEE S.D.D. 14 B 15 FOR TYPICAL BLOCKOUT, SPLICE AND REFLECTOR INSTALLATIONS. USE BOLT SIZES AND LENGTHS AS SHOWN ON THIS DETAIL.

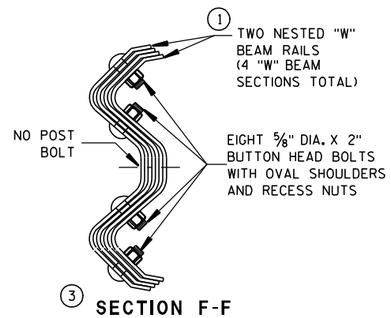
(3) PROVIDE 12'-6", 18'-9" AND 25'-0" SPANS ONLY. USE A MAXIMUM OF ONE SPLICE LOCATED ANYWHERE WITHIN THE SPAN SECTION. LOCATE ALL OTHER SPLICES AT BEAM GUARD POSTS.

(4) IN THE FIRST AND LAST 25 FOOT SECTIONS (POSTS LFC 1-4 & LFC 11-14), THE CONTRACTOR MAY USE W6 X 9 OR W6 X 8.5 STEEL POSTS WITH NOTCHED PLASTIC BLOCKOUTS OR 6" X 8" WOOD POSTS WITH EITHER WOOD OR PLASTIC BLOCKOUTS. DO NOT MIX STEEL POSTS WITH NOTCHED PLASTIC BLOCKOUTS AND WOOD POSTS WITH EITHER WOOD OR PLASTIC BLOCKOUTS IN THE SAME INSTALLATION.

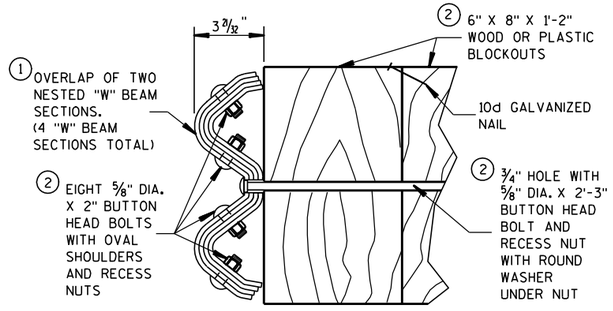
(5) WHERE EXISTING CONDITIONS DO NOT PERMIT THE APPROPRIATE EARTHWORK, THE PLAN TYPICAL SECTIONS OR DETAILS MAY SHOW, OR THE ENGINEER MAY ALLOW, THE REDUCTION OR ELIMINATION OF THE 2 FOOT DISTANCE TO THE HINGE POINT. BUILD AS THE PLAN SHOWS OR ENGINEER DIRECTS. IF THE 2 FOOT DISTANCE TO THE HINGE POINT IS REDUCED OR ELIMINATED, INCREASE THE POST SOIL DEPTH TO 4'-6" OR MORE.



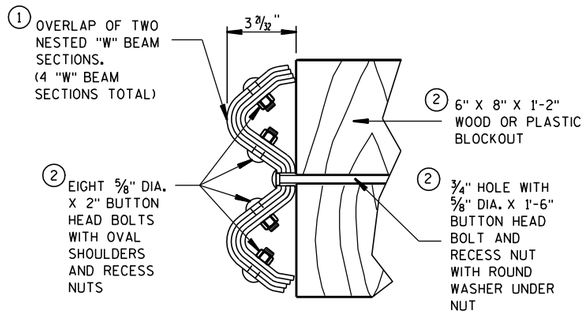
SECTION D-D
TYPICAL CRT POST LFC 6 AND 9



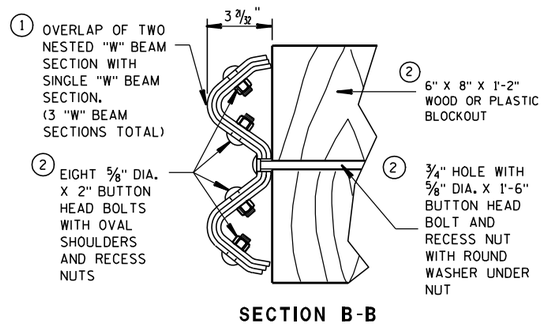
(3) SECTION F-F
BEAM SPLICE IN SPAN OVER CULVERT



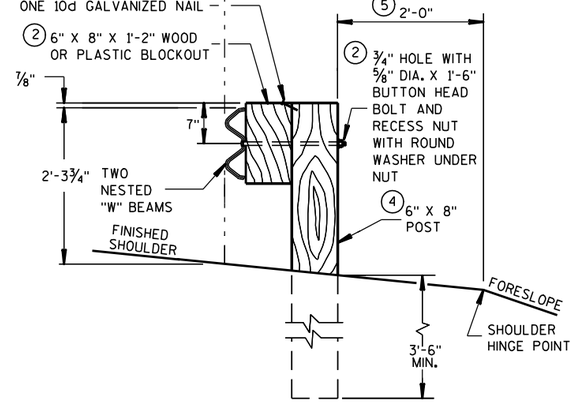
SECTION E-E
TYPICAL CRT POST LFC 5, 7, 8 AND 10



SECTION C-C
TYPICAL AT POSTS LFC 3 AND 12



SECTION B-B
TYPICAL AT POSTS LFC 1 AND 14



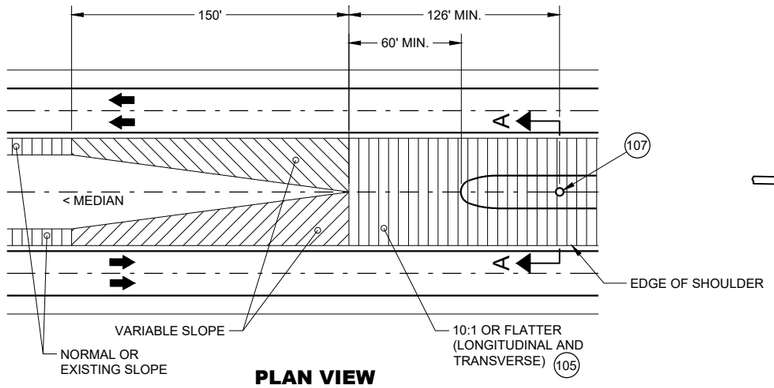
SECTION A-A
TYPICAL AT POST LFC 2,4,11,13

STEEL PLATE BEAM GUARD, CLASS "A", OVER LOW FILL CULVERTS

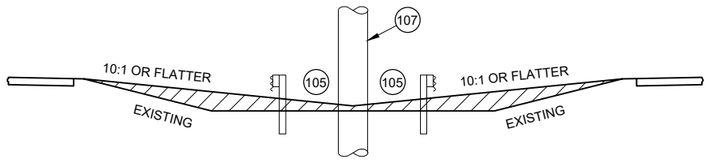
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/8/00 DATE
/S/ John Have... CHIEF ROADWAY DEVELOP... GINEER
FHWA

6
S.D.D. 14 B 25-1



PLAN VIEW
GRADING AT BULLNOSE
(ALL INSTALLATIONS)



SECTION A -A
MEDIAN GRADING
(ALL INSTALLATIONS)

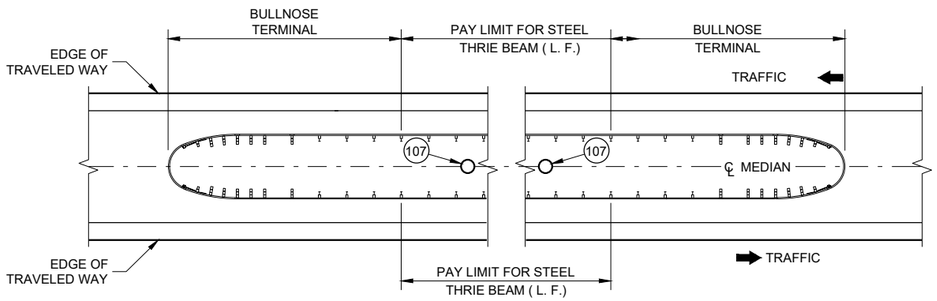
GENERAL NOTES

THRIE BEAM RAILS MAY NEED TO BE FIELD BENT TO FIT THE LOCATION.

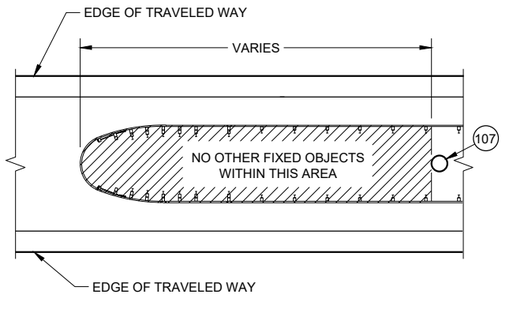
SEE STANDARD DETAIL DRAWINGS 14B26 SHEETS a-h.

IF ROCK IS ENCOUNTERED, REMOVE ROCK TO FULL DEPTH OF POST PLUS 2 ½". MINIMUM DIAMETER OF THE ROCK REMOVAL IS 12" DIAMETER

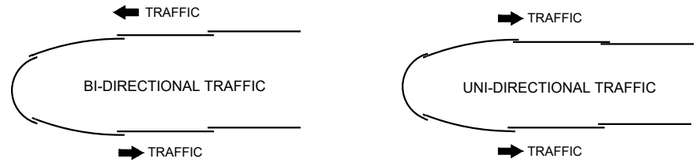
- E1 UNBENT STANDARD THRIE BEAM RAIL B1 (POST 8 TO POST 10 AND POST 10 TO POST 12)
- E2 SLOTTED THRIE BEAM RAIL E1 (POST 1 TO POST 1)
- E3 SLOTTED THRIE BEAM RAIL B3 (POST 5 TO POST 8)
- E4 SLOTTED THRIE BEAM RAIL E4 (POST 1 TO POST 5)
- 5 BEYOND POST 12: CONSTRUCT STEEL THRIE BEAM - USE UNBENT STANDARD THRIE BEAM RAIL NO. 5.
- (100) DIMENSIONS ARE FROM BACK OF RAIL TO BACK OF RAIL WHERE RAIL IS BOLTED TO POST OR BLOCK.
- (101) U-BOLT CABLE CLIPS (3 PER CABLE) SPACED OUT ON NOSE, TO HOLD CABLE TO BACKSIDE OF THE RAIL.
- (102) NOSE CABLE WITH SWAGGED END BUTTONS.
- (103) NOSE CABLE ANCHOR PLATE (BACKSIDE OF SPLICE).
- (104) THE SLACK IN THE NOSE CABLES SHALL BE EVENLY DISTRIBUTED BETWEEN THE CABLE CLIP FASTENERS AND POST NO. 1 ON EITHER SIDE OF THE NOSE.
- (105) MINIMUM WORKING WIDTH 4' - 2".
- (106) MAX. WIDTH OF SYSTEM IS 14' - 2 ½" MEASURED FROM THE BACK OF RAIL TO BACK OF RAIL WHERE RAIL IS BOLTED TO A POST OR BLOCK.
- (107) FIXED OBJECT OR OTHER HAZARD.
- (108) PLAN IS TO PROVIDE STATION OFFSET TO CENTER OF POST 5 IN PLANS.



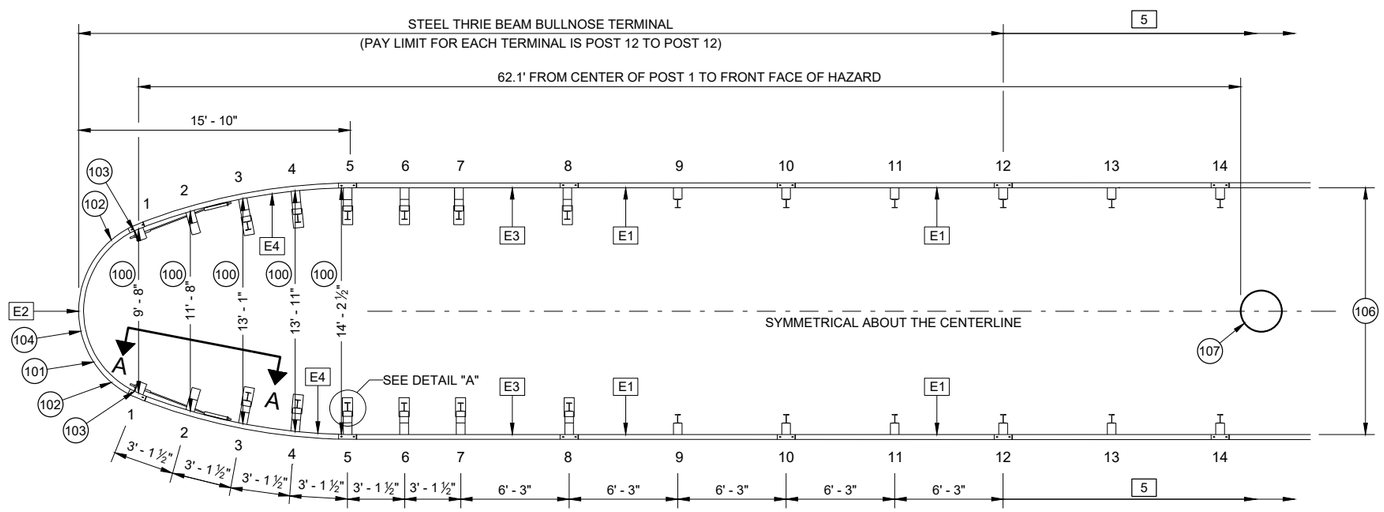
MEDIAN HAZARD PROTECTION PAY LIMITS



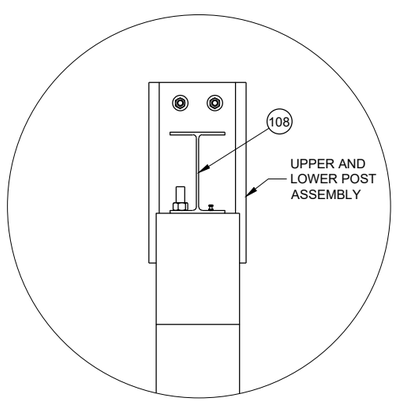
HAZARD FREE AREA
INSIDE BULLNOSE



LAPPING DETAIL



PLAN VIEW
TYPICAL BULLNOSE LAYOUT



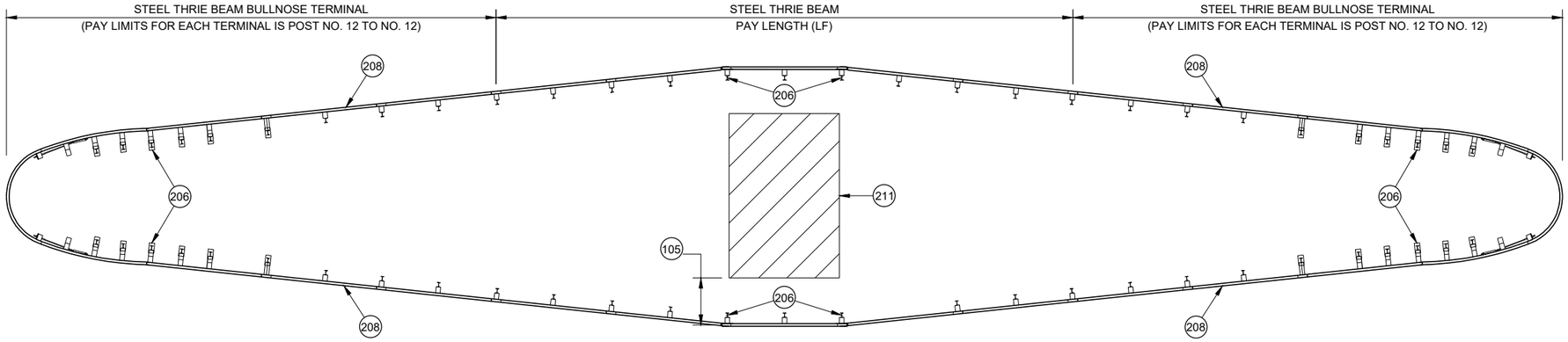
DETAIL "A"

STEEL THRIE BEAM
BULLNOSE TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B26 - 05a

SDD 14B26 - 05a



VARIABLE WIDTH BULLNOSE

GENERAL NOTES

200 6' - 3" ASYMMETRICAL 10-GAUGE W-BEAM TO THRIE BEAM GUARD TRANSITION. SEE SDD 14B45 FOR MORE INFORMATION.

201 W-BEAM RAIL. SEE SDD 14B42 FOR MORE INFORMATION.

202 SEE POST NO. 9 AND ALL STEEL THRIE BEAM POST BEYOND DETAIL.

203 SEE SDD 14B42 FOR INSTALLATION INFORMATION.

204 SEE SDD 14B45 FOR INSTALLATION DETAILS. REPLACE ASYMMETRICAL W-BEAM TO THRIE BEAM TRANSITION AND W-BEAM RAIL WITH E1. PAY FOR MODIFIED THRIE BEAM TRANSITION.

205 CONCRETE BARRIER OR BRIDGE RAIL.

206 SEE PLAN FOR STATION AND OFFSET TO CENTER OF POST.

207 SEE PLAN FOR STATION AND OFFSET TO CENTER OF SPLICE.

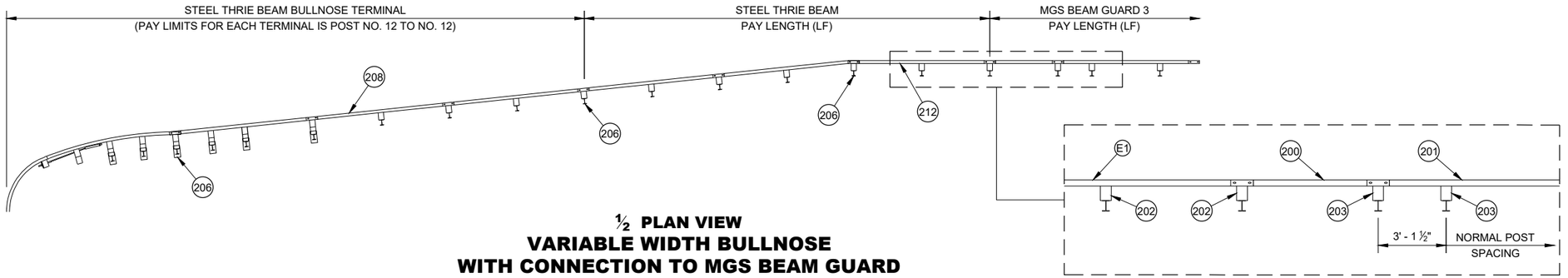
208 SEE PLAN FOR FLARE RATE.

209 A MINIMUM OF 25 FT OF THRIE BEAM TANGENT BEFORE TRANSITIONING TO BEAM GUARD OR THRIE BEAM TRANSITION.

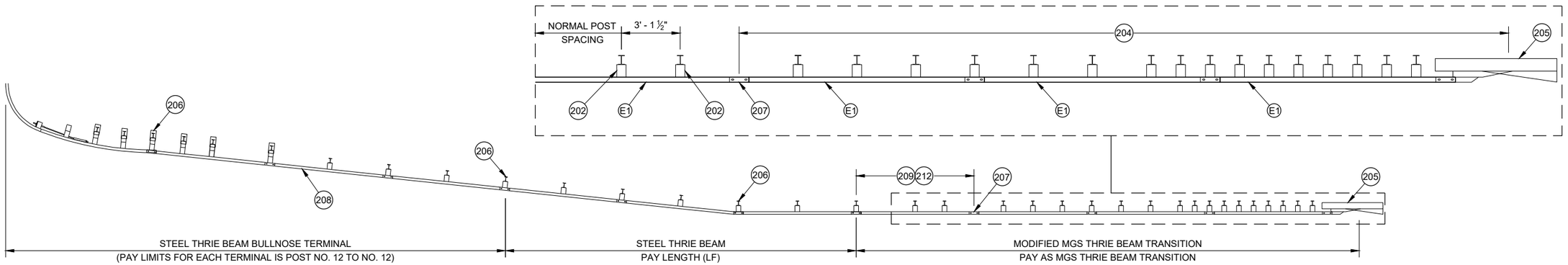
210 NOT ALL BULLNOSE HARDWARE SHOWN. SEE OTHER SHEETS IN 14B26.

211 WIDER HAZARD TO BE SHIELDED.

212 TRANSITION RAIL HEIGHT TO 31" OVER THE LENGTH OF A 12' - 6" BEAM SECTION.



½ PLAN VIEW
VARIABLE WIDTH BULLNOSE
WITH CONNECTION TO MGS BEAM GUARD



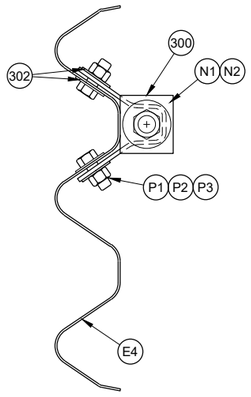
½ PLAN VIEW
VARIABLE WIDTH BULLNOSE
WITH CONNECTION TO RIGID BARRIER

STEEL THRIE BEAM BULLNOSE TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

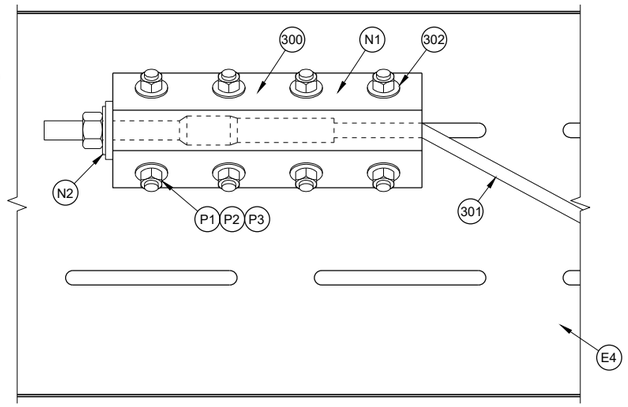
6

SDD 14B26 - 05b

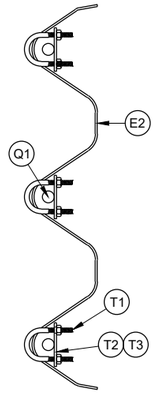


PROFILE VIEW

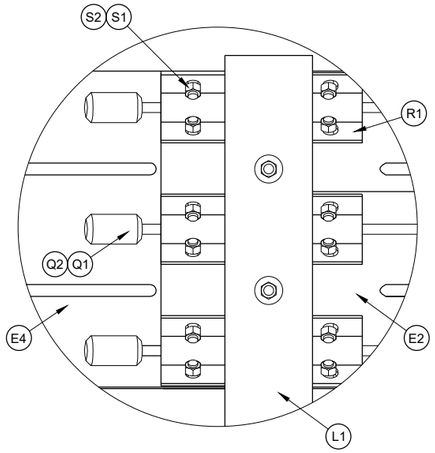
CABLE ANCHOR ASSEMBLY CONNECTION



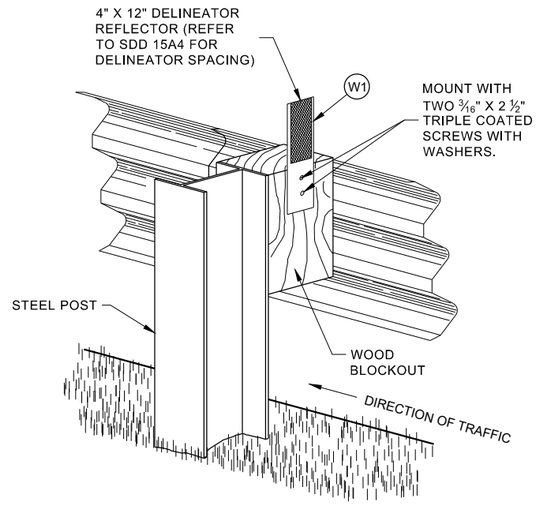
CABLE ANCHOR ASSEMBLY



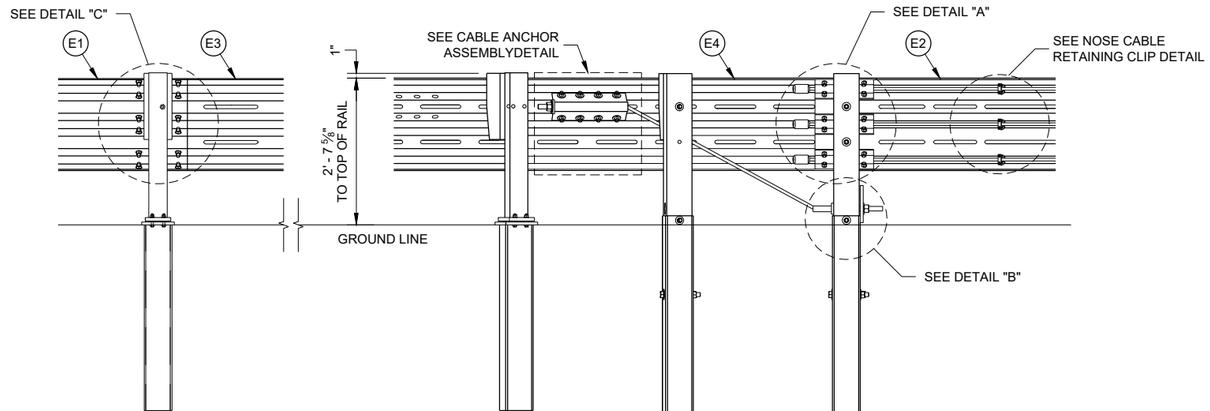
NOSE CABLE RETAINING CLIP



DETAIL "A"

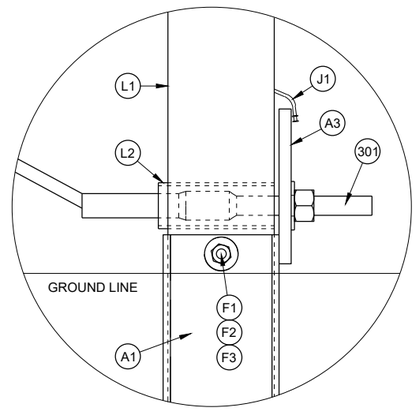


ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION

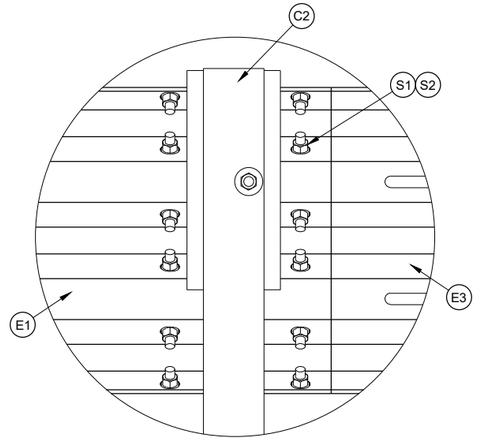


POST 8 | POST 3 | POST 2 | POST 1

CROSS SECTION A - A



DETAIL "B"



DETAIL "C" THRIE BEAM SPLICE

GENERAL NOTES

(300) SEE ANCHOR BRACKET ASSEMBLY DETAIL.

(301) SEE ANCHOR CABLE ASSEMBLY DETAIL

(302) ONE WASHER BETWEEN BOLT HEAD AND RAIL AND BETWEEN NUT AND ANCHOR BRACKET ASSEMBLY.

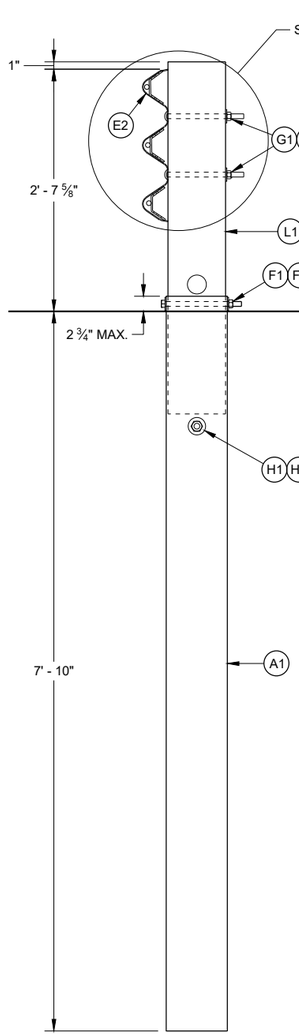
(303) ONE WASHER BETWEEN BOLD HEAD AND FOUNDATION TUBE AND BETWEEN NUT AND FOUNDATION TUBE.

STEEL THRIE BEAM BULLNOSE TERMINAL

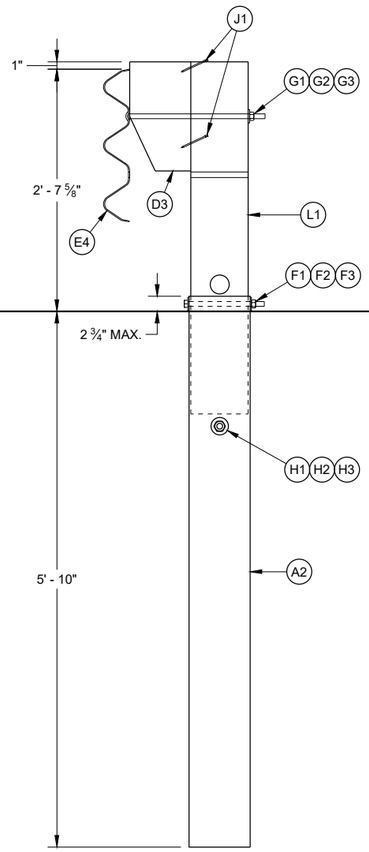
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B26 - 05c

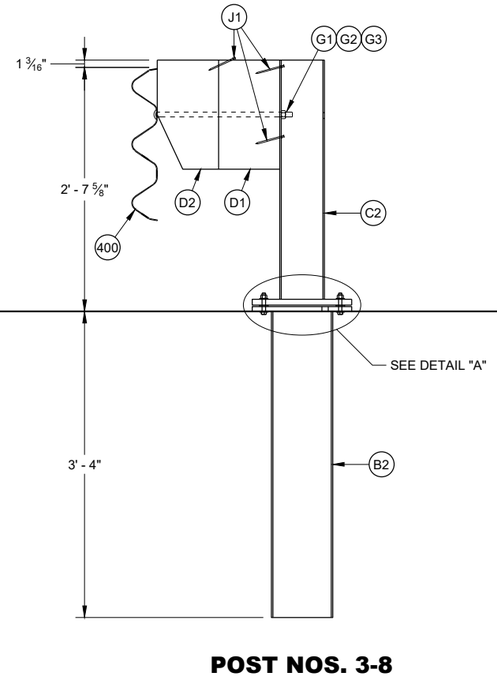
6
SDD 14B26 - 05c



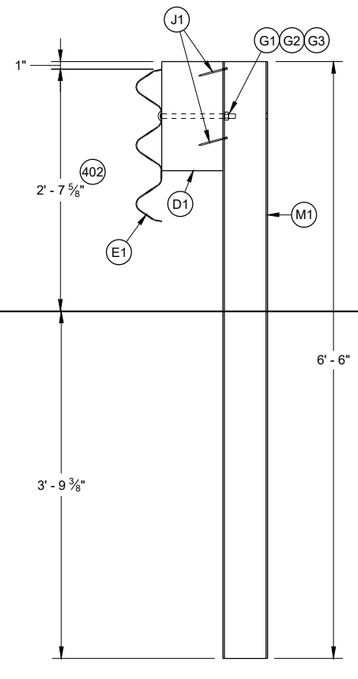
POST NO. 1



POST NO. 2



POST NOS. 3-8



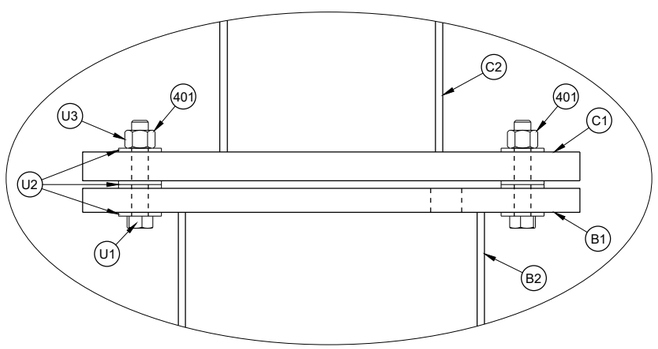
POST NOS. 9 AND ALL STEEL THRIE BEAM POSTS BEYOND

GENERAL NOTES

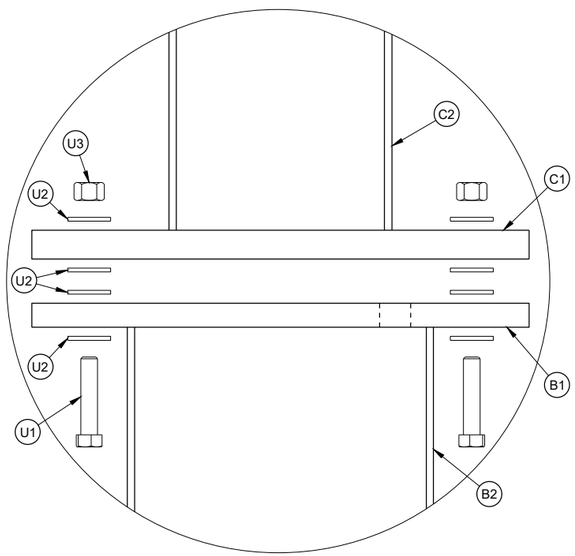
(400) RAIL CAN BE E3 OR E4 DEPENDING ON POST LOCATION.

(401) TORQUE BOLD BETWEEN 60-75 FT-LB

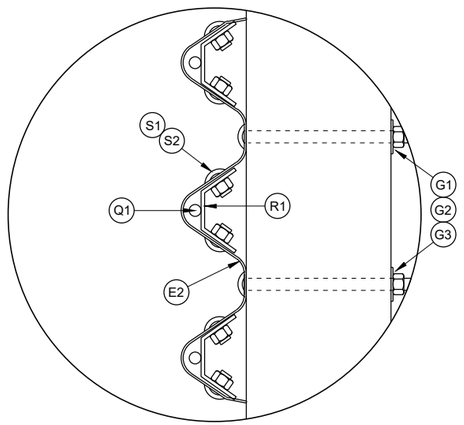
(402) HEIGHT WILL VARY WITHIN HEIGHT TRANSITION TO OTHER HARDWARE. SEE NOTE 213, SHEET "b".



DETAIL "A"



EXPLODED VIEW
DETAIL "A"



DETAIL "B"

STEEL THRIE BEAM BULLNOSE TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

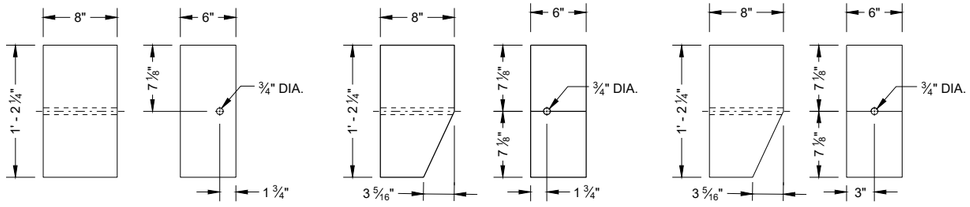
400

6

SDD 14B26 - 05d

6

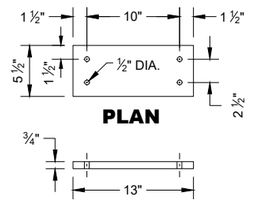
SDD 14B26 - 05d



ELEVATION PROFILE
BLOCKOUT (D1)

ELEVATION PROFILE
BLOCKOUT (D2)

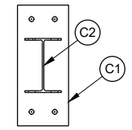
ELEVATION PROFILE
BLOCKOUT (D3)



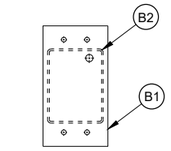
PLAN

PROFILE

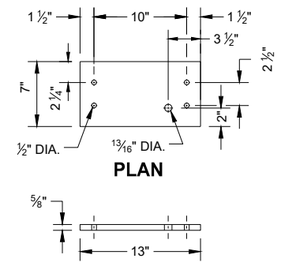
UPPER SHEAR PLATE (C1)



PLAN



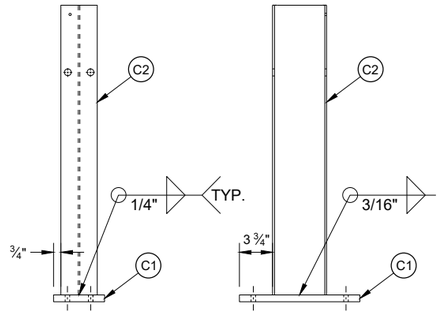
PLAN



PLAN

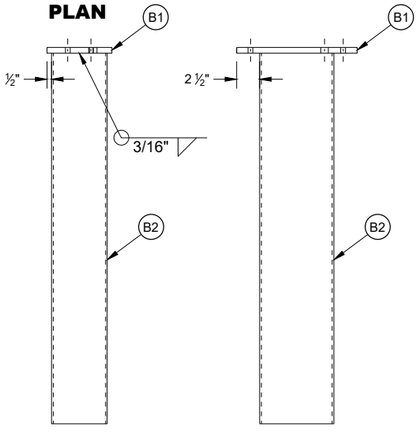
PROFILE

LOWER SHEAR PLATE (B1)



ELEVATION PROFILE

UPPER POST ASSEMBLY



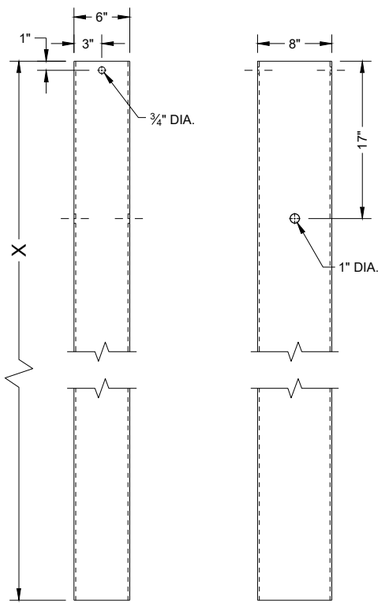
ELEVATION PROFILE

LOWER POST ASSEMBLY



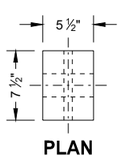
PLAN

PART	LENGTH "X"
A1	8' - 0"
A2	6' - 0"
B2	3' - 4"

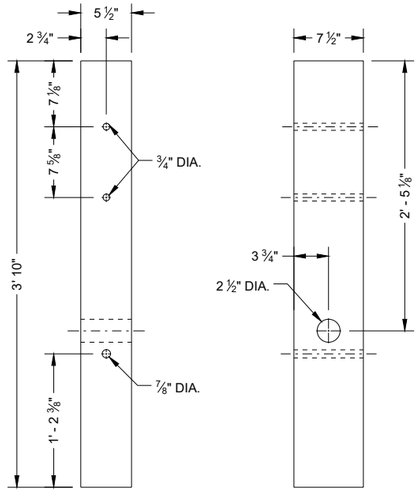


ELEVATION PROFILE

FOUNDATION TUBE

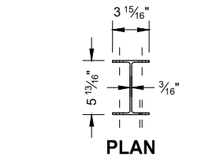


PLAN

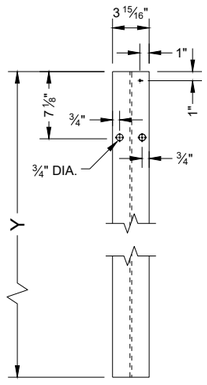


ELEVATION PROFILE

BCT POST (L1)



PLAN



ELEVATION

POST

PART	LENGTH "Y"
M1	6' - 6"
M2	5' - 8 5/8"
C2	2' - 7 5/8"

STEEL THRIE BEAM BULLNOSE TERMINAL

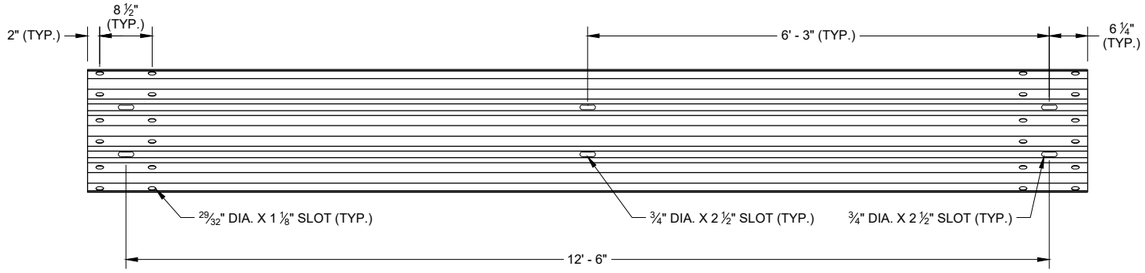
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

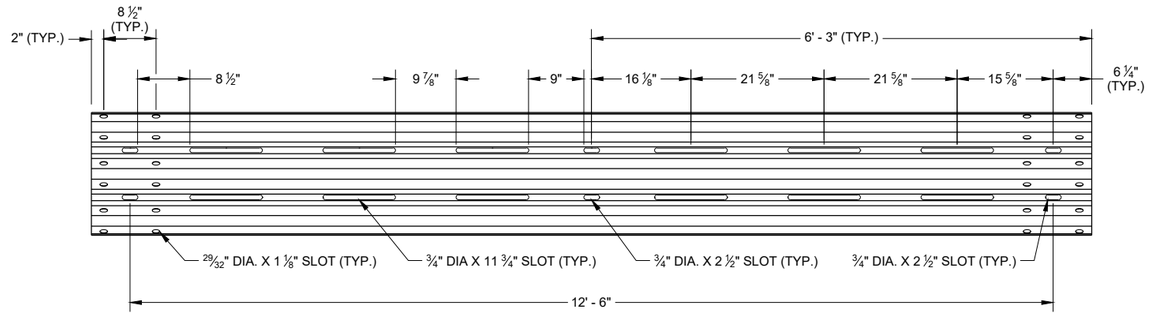
SDD 14B26 - 05e

6

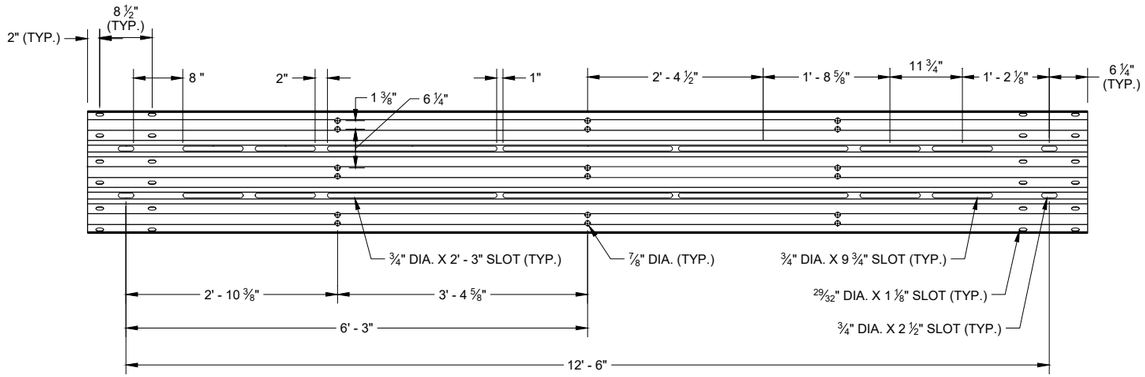
SDD 14B26 - 05e



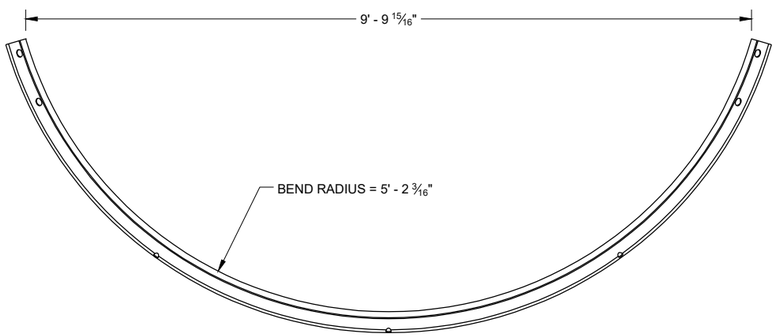
SLOTTED THRIE BEAM RAIL E1



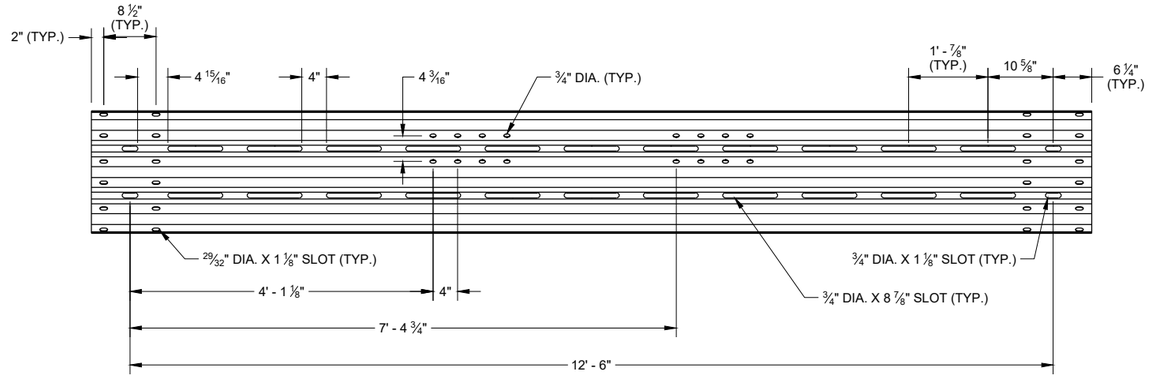
SLOTTED THRIE BEAM RAIL E3



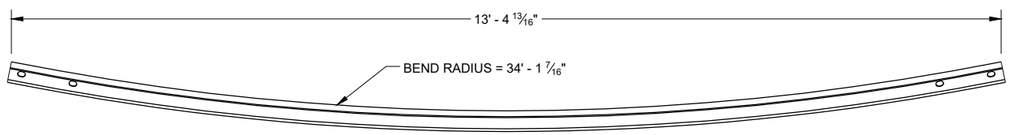
ELEVATION VIEW NON - RADIUSED
SLOTTED THRIE BEAM RAIL E2



PLAN VIEW
SLOTTED THRIE BEAM RAIL E2



ELEVATION VIEW NON - RADIUSED
SLOTTED THRIE BEAM RAIL E4



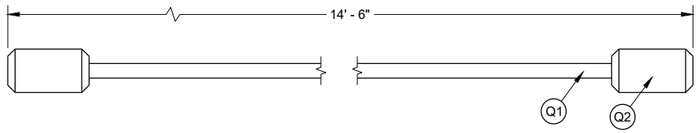
PLAN VIEW
SLOTTED THRIE BEAM RAIL E4

STEEL THRIE BEAM BULLNOSE TERMINAL

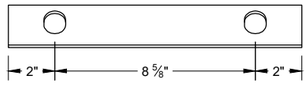
STATE OF WISCONSIN
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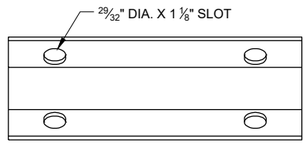
SDD 14B26 - 05f



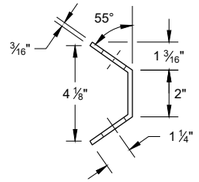
NOSE CABLE AND SWAGE BUTTON



PLAN VIEW

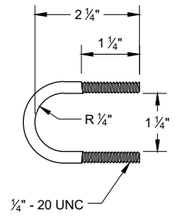


ELEVATION VIEW

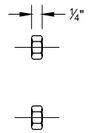


PROFILE VIEW

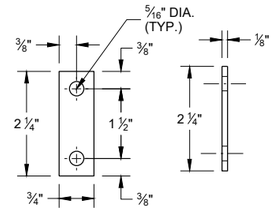
NOSE CABLE ANCHOR (R1)



U - BOLT (T1)

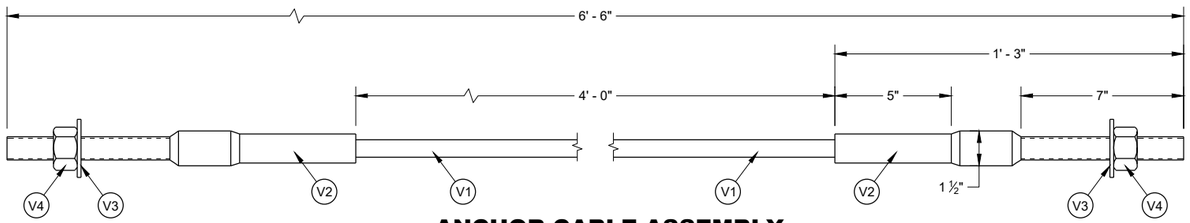


U - BOLT NUT (T3)

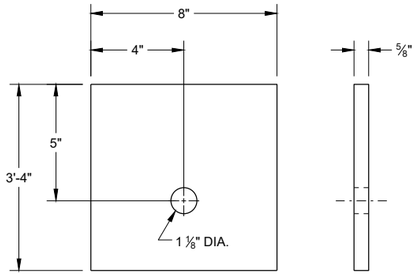


ELEVATION VIEW **PROFILE VIEW**

U - BOLT PLATE WASHER (T2)

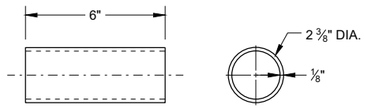


ANCHOR CABLE ASSEMBLY



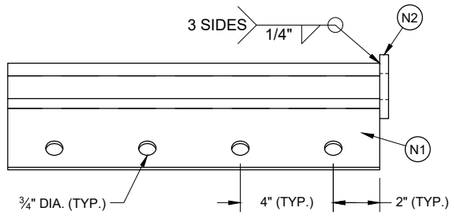
ELEVATION VIEW **PROFILE VIEW**

BCT BEARING PLATE (A3)

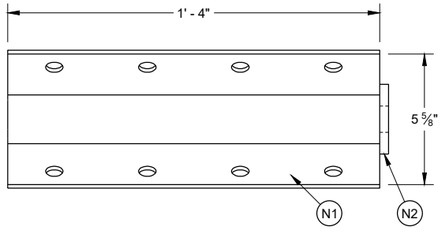


ELEVATION VIEW **PROFILE VIEW**

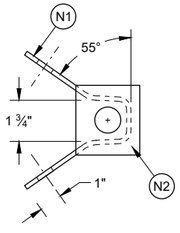
BCT POST SLEEVE (L2)



PLAN VIEW

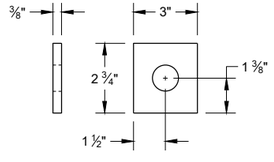


ELEVATION VIEW



PROFILE VIEW

ANCHOR BRACKET ASSEMBLY (N1)



ANCHOR BRACKET END PLATE (N2)

STEEL THRIE BEAM BULLNOSE TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 14B26 - 05g

BILL OF MATERIALS LIST

PART NUMBER	DESCRIPTION	MATERIAL SPECIFICATION
A1	LONG FOUNDATION TUBE	AASHTO M111/ASTM A123 ASTM A500 GRADE B OR ASTM A-501
A2	FOUNDATION TUBE	AASHTO M111/ASTM A123 ASTM A500 GRADE B OR ASTM A-501
A3	BEARING PLATE AT POST	AASHTO M111/ASTM A123 ASTM A36 MIN STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI
B1	LOWER SLIP POST ASSEMBLY - PLATE	AASHTO M111/ASTM A123 ASTM A36 MIN STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI
B2	LOWER SLIP POST ASSEMBLY - TUBE	AASHTO M111/ASTM A123 ASTM A500 GRADE B OR ASTM A-501
C1	UPPER SLIP POST ASSEMBLY - PLATE	AASHTO M111/ASTM A123 ASTM A36 MIN STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI
C2	UPPER SLIP POST ASSEMBLY - POST	AASHTO M111/ASTM A123 ASTM A6 W6X9 OR W6X8.5 ASTM A36 MIN STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI
D1	BLOCK FOR STEEL POST - WOOD	WISDOT SPEC. 614
D2	TAPERED BLOCK FOR STEEL POST - WOOD	WISDOT SPEC. 614
D3	TAPERED BLOCK FOR BCT POST - WOOD	WISDOT SPEC. 614
E1	THRIE BEAM RAIL	AASHTO M180 CLASS A TYPE 2 APPROVED PRODUCER
E2	THRIE BEAM RAIL - SHOP BENT AND PUNCHED	AASHTO M180 CLASS A TYPE 2 APPROVED PRODUCER. INDICATE RADIUS BEAM GUARD IS BENT TO ON THE BACKSIDE OF RAIL. FOLLOW AASHTO M180. MARK RADIUS.
E3	THRIE BEAM RAIL - PUNCHED	AASHTO M180 CLASS A TYPE 2 APPROVED PRODUCER
E4	THRIE BEAM RAIL - SHOP BENT AND PUNCHED	AASHTO M180 CLASS A TYPE 2 APPROVED PRODUCER. INDICATE RADIUS BEAM GUARD IS BENT TO ON THE BACKSIDE OF RAIL. FOLLOW AASHTO M180. MARK RADIUS.
F1	5/8" DIA. HEX HEAD GROUND STRUT AND YOKE BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36
F2	5/8" DIA. GROUND STRUT AND YOKE BOLT - WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)
F3	GROUND STRUT AND YOKE BOLT - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291/ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5
G1	5/8 " DIA. POST BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER TYPICALLY USED WITH STEEL POSTS) OR ASTM F844 (UNHARDENED WASHER TYPICALLY USED WITH WOOD)
G2	POST BOLT - WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER TYPICALLY USED WITH STEEL POSTS) OR ASTM F844 (UNHARDENED WASHER TYPICALLY USED WITH WOOD)
G3	POST BOLT - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291/ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5
H1	7/8" DIA. SOIL TUBE BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291/ASTM A 563 HEAVY HEX HEAD 7/8" ASTM A563DH OR SAE J995 GRADE 5
H2	SOIL TUBE BOLT - WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 7/8" ASTM F844 TYPE 1 (HARDEN WASHER ONLY)
H3	SOIL TUBE BOLT - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291/ASTM A 563 HEAVY HEX HEAD 7/8" ASTM A563DH OR SAE J995 GRADE 5
J1	16D DOUBLE HEAD NAIL	ASTM A153 HOT DIPPED CLASS D DOUBLE HEAD ASTM F1667 TYPE 1 STYLE 12 (16 DOUBLE HEADED)
L1	BCT TIMBER POST	WISDOT SPEC. 614 S4S FINISH ON 4 SIDE
L2	BCT POST SLEEVE	AASHTO M111/ASTM A123 2 3/8" OD ASTM 53 GRADE B
M1	W6X8.5 OR W6X9 STEEL POST	AASHTO M111/ASTM A123 ASTM A6 W6X9 OR W6X8.5 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI
M2	W6X8.5 OR W6X9 STEEL POST	AASHTO M111/ASTM A123 ASTM A6 W6X9 OR W6X8.5 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI
N1	ANCHOR BRACKET	AASHTO M111/ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI
N2	ANCHOR BRACKET - BEARING PLATE	AASHTO M111/ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI

PART NUMBER	DESCRIPTION	MATERIAL SPECIFICATION
P1	5/8" DIA. ANCHOR BRACKET BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD 5/8" ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36
P2	ANCHOR BRACKET BOLT - WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)
P3	SOIL TUBE BOLT - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291/ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5
Q1	5/8" DIA. NOSE CABLE	6X19 AASTHO M30 / ASTM A741 XIPS INDEPENDENT WIRE CORE (IWRC) PR 6X25 XIPS, IWRC NOMINAL BREAKING STRENGTH OF 41.2 KIPS.
Q2	NOSE CABLE-SWAGE BUTTON	COLD TUFF BUTTON, S-409 SIZE NO. 12 STOCK NUMBER 1040395 OR ANY OTHER SIMILAR SIZED WAGED-GRIP-BUTTON FERRULES. ASTM A576 GRADE 1035 SWAGE FITTING ARE TO BE FIELD SWAGED PER MANUFACTURERS RECOMMENDATION. NOMINAL BREAKING STRENGTH OF 41.2 KIPS.
R1	NOSE CABLE ANCHOR BRACKET	AASHTO M111/ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI
S1	5/8" DIA. SPLICE BOLT - BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC AASHTO M180 HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36
S2	SPLICE - BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291/ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD 5/8" ASTM A563DH OR SAE J995 GRADE 5
T1	1/4" DIA. NOSE CABLE - U BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36
T2	U-BOLT - PLATE WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)
T3	U-BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5
U1	7/16" DIA. SLIP POST ASSEMBLY - BREAKAWAY BOLT	ASTM A153 OR B695 CLASS 55 OR F2329 UNC FULLY THREADED HEX HEAD TAP BOLT ASTM A449 OR SAE J429 GRADE 5
U2	7/16" DIA. SLIP POST ASSEBLY - BREAKAWAY BOLT - WASHER	ASTM F436 TYPE I (HARDEN TYPICALLY USED WITH STEEL) GALV. AASHTO M111/ASTM A 123 OR GALV. HOT DIP. TO POST BOLT CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 55, F2329
U3	SLIP POST ASSEBLY - BREAKAWAY BOLT - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / STM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291/ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5
V1	¾" DIA. BCT CABLE	AASHTO M30 / ASTM A741 6X19 INDEPENDENT WIRE CORE (IWRC) IMPROVED PLOW STEEL (IPS), 6X19 INDEPENDENT WIRE CORE (IWRC) IMPROVED PLOW STEEL (IPS) TYPE II OR IIC, CLASS C ZINC COATED MIN BREAKING STRENGTH OF 42.7 KIPS
V2	ANCHOR CABLE-SWAGE FITTING	UNC ASTM A576 GRADE 1035 SWAGE FITTING ARE TO BE FACTORY SWAGED. MIN. BREAKING STRENGTH OF 42.7 KIPS. ASME B30.26 "FORGED, CAST, OR DIE STAMPED WITH THE FOLLOWING IN TO CONNECTION: NAME OF MANUFACTURE OR TRADEMARK OF CONNECTION'S MANUFACTURER, SIZE OR RATED LOAD, GRADE FOR ALLOY EYEBOLTS."
V3	1" DIA. ANCHOR CABLE-WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)
V4	1" DIA. ANCHOR CABLE-NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5
W1	REFLECTOR	SEE SDD 15A4

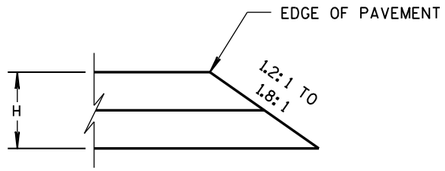
STEEL THRIE BEAM BULLNOSE TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

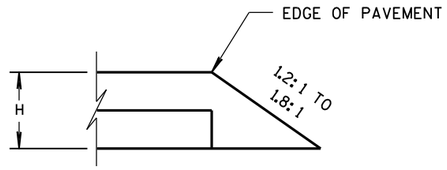
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SDD 14B26 - 05h



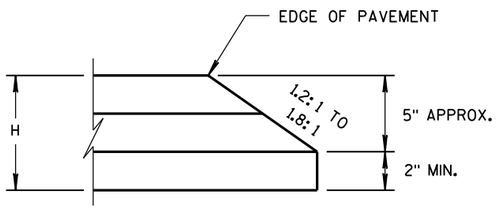
CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS



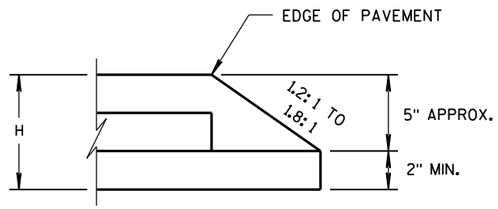
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FOR H 5" OR LESS



CONSTRUCTED WITH FINAL TWO LAYERS

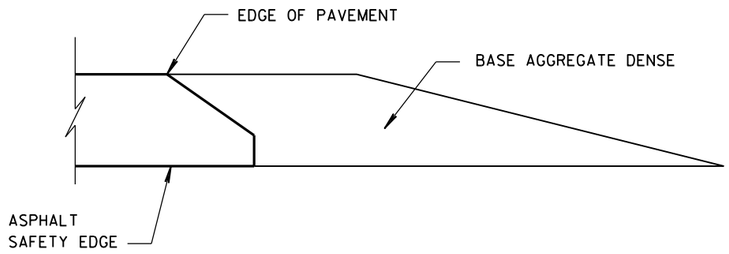
FOR H GREATER THAN 5"



CONSTRUCTED WITH FINAL LAYER

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

6

6

S.D.D. 14 B 29-1

S.D.D. 14 B 29-1

SAFETY EDGE SM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/2012
DATE

/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

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

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

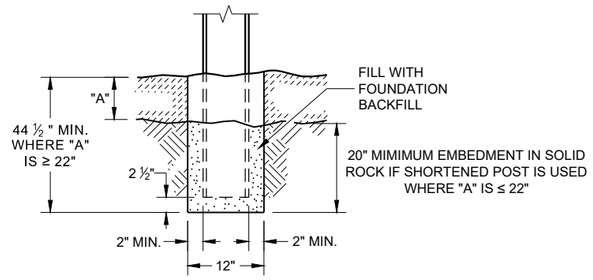
(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL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

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

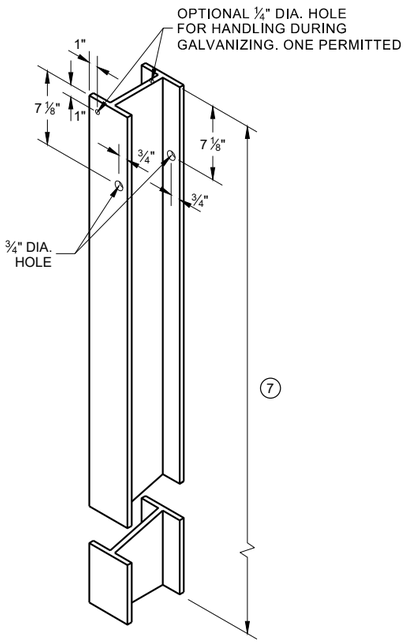
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ±1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

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

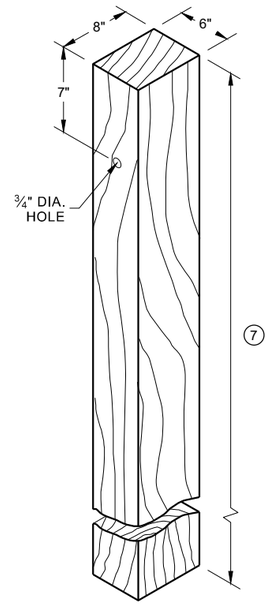
(7) TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



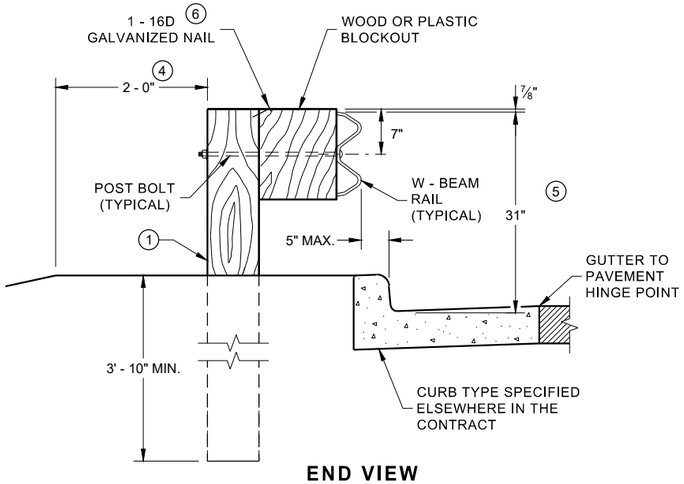
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



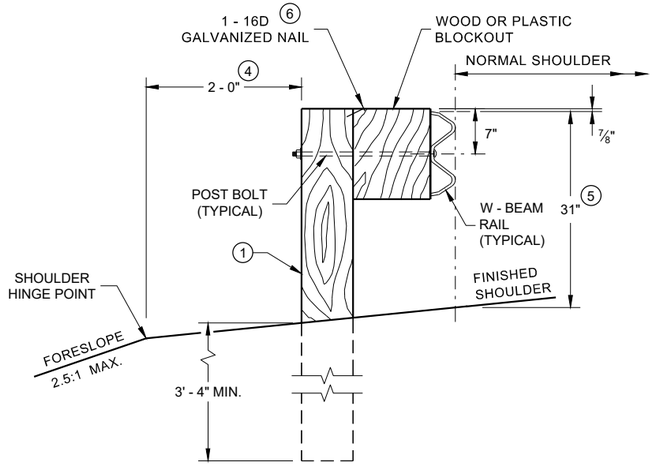
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



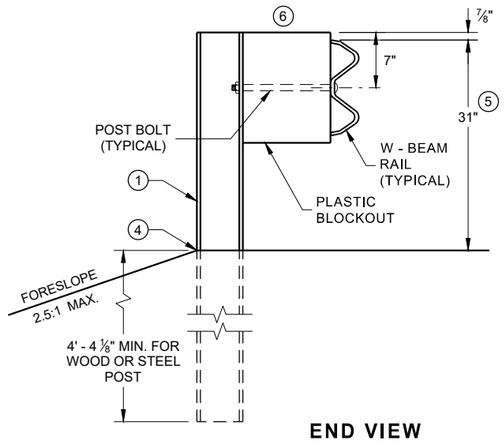
WOOD POST (6" X 8") NOMINAL (1)



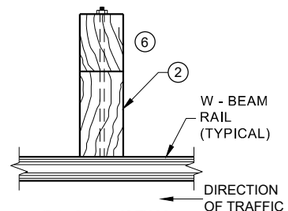
END VIEW
LOCATED ALONG A CURBED ROADWAY



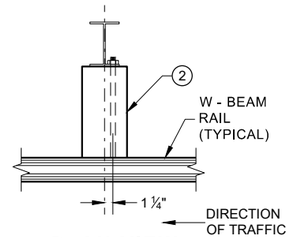
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



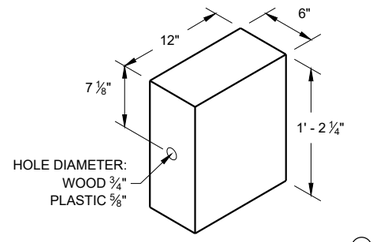
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



PLAN VIEW
STEEL POST, PLASTIC BLOCKOUT & BEAM



WOOD OR PLASTIC BLOCKOUT (2)

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

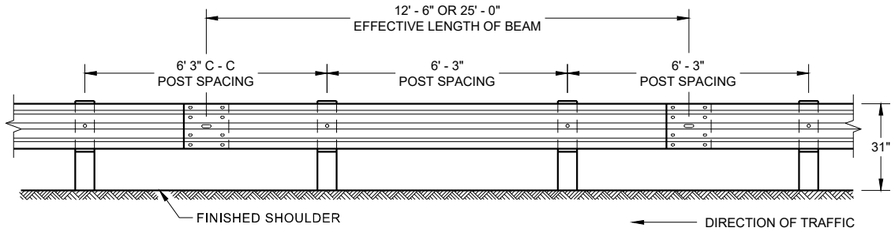
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

406

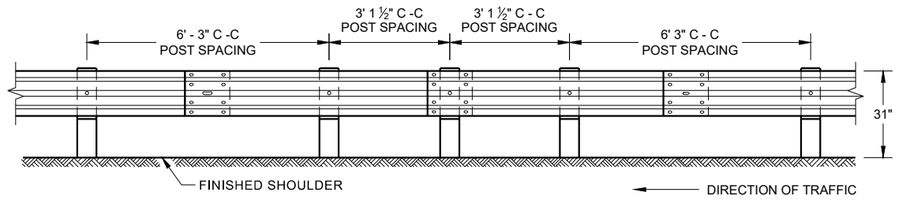
SDD 14B42 - 07a

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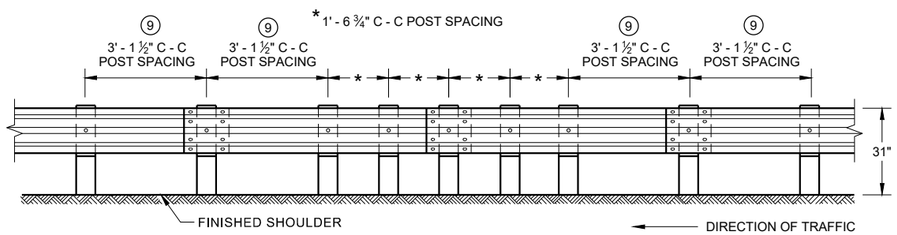
SDD 14B42 - 07a



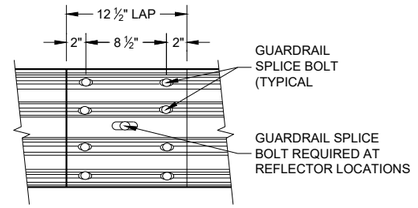
FRONT VIEW
POST SPACING STANDARD INSTALLATION



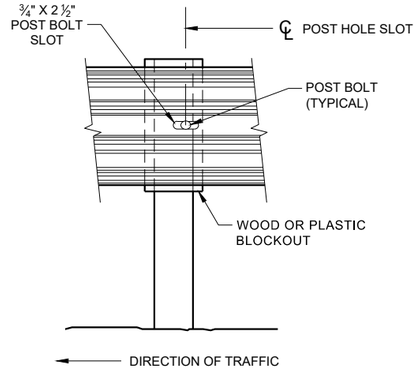
FRONT VIEW
HALF POST SPACING (HS) AND HALF POST SPACING WITH LONGER POSTS (K)



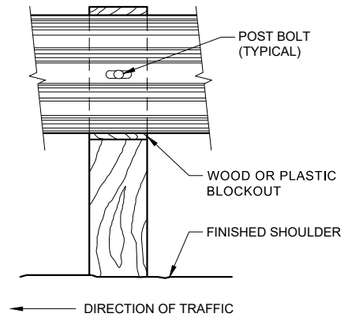
FRONT VIEW
QUARTER POST SPACING (QS)



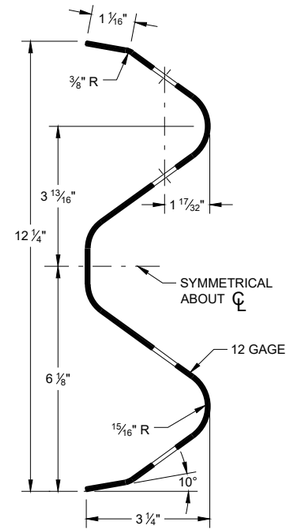
FRONT VIEW
MID-SPAN BEAM SPLICE



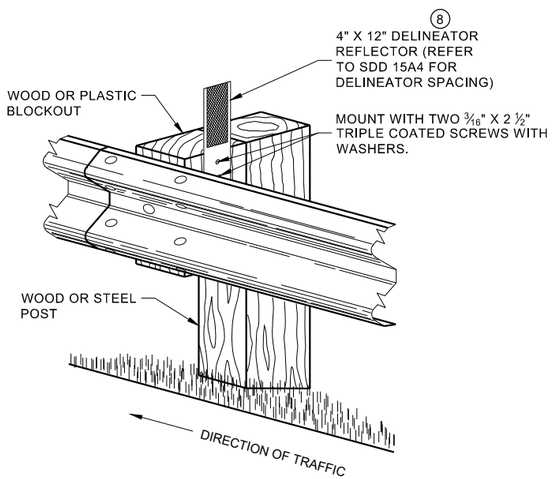
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION

GENERAL NOTES

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

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

POST BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND ⅝" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

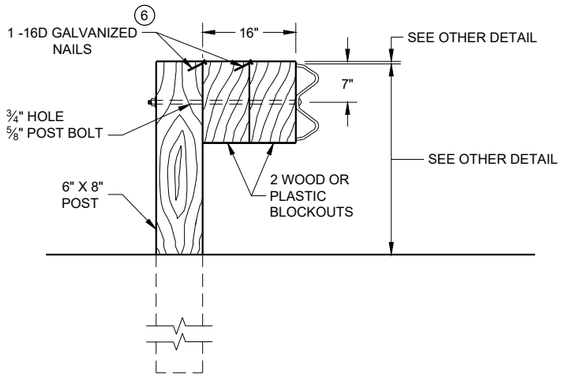
GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 14B42 - 07b
SDD 14B42 - 07b

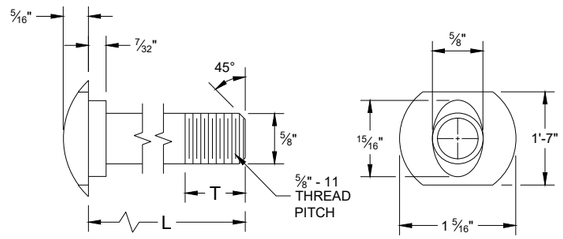


DETAIL FOR 16" BLOCKOUT DEPTH

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

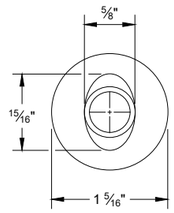
NOTE:

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

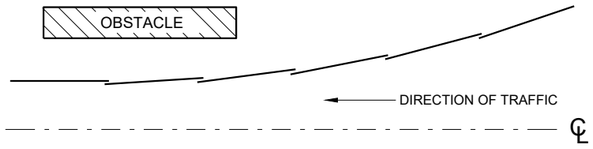


POST BOLT TABLE

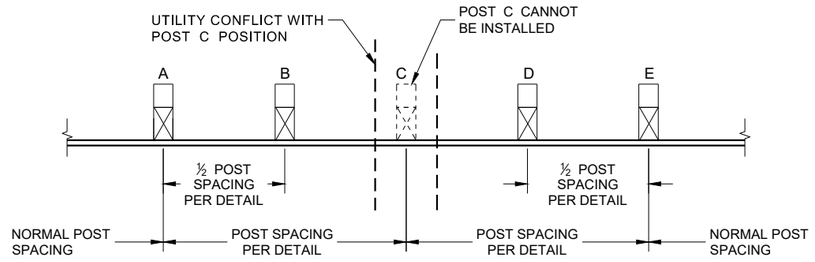
L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1⁄16"
18"	4"
21"	4 1⁄16"
25"	4"



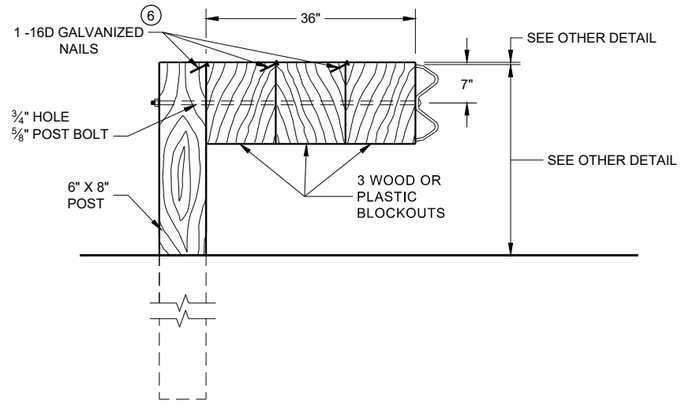
ALTERNATE BOLT HEAD



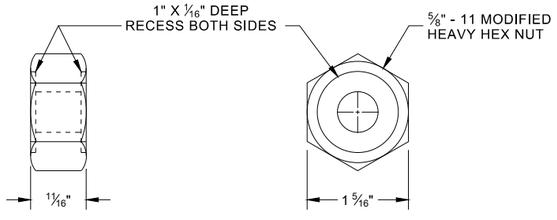
PLAN VIEW
BEAM LAPPING DETAIL



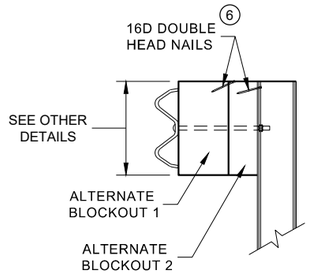
POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



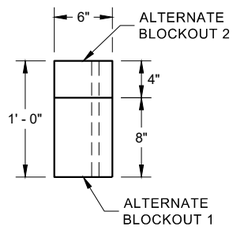
DETAIL FOR 36" BLOCKOUT DEPTH



POST BOLT, SPLICE BOLT AND RECESS NUT



SIDE VIEW



PLAN VIEW

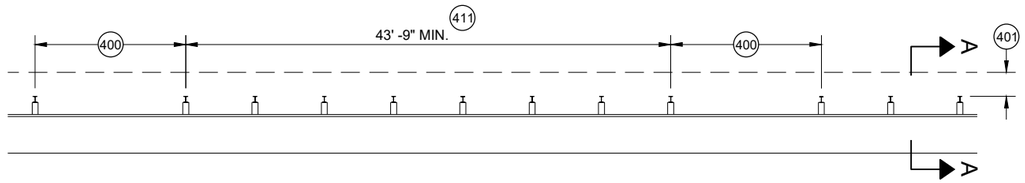
ALTERNATE WOOD BLOCKOUT DETAIL

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

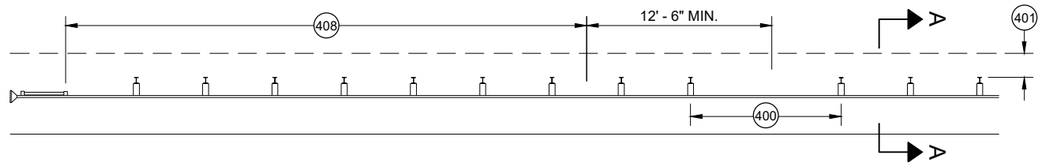
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

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

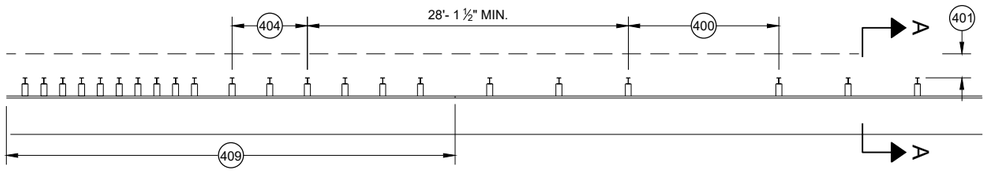
MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL



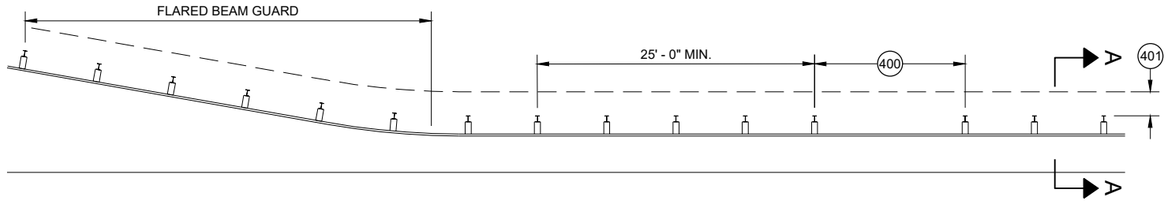
MISSING POST IN MGS GUARDRAIL



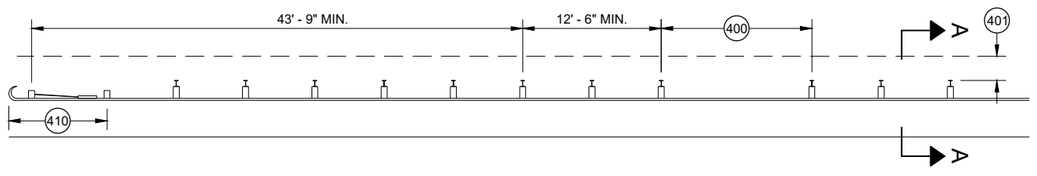
MISSING POST IN MGS GUARDRAIL NEAR EAT



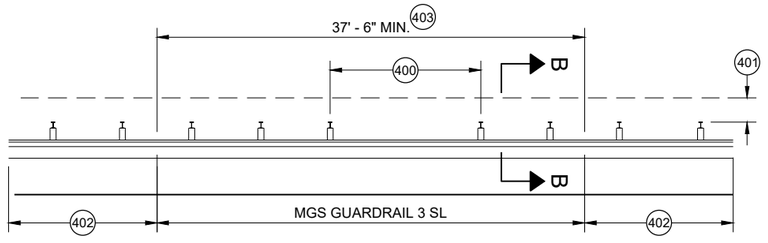
MISSING POST IN MGS GUARDRAIL NEAR AN APPROACH TRANSITION



MISSING POST IN MGS GUARDRAIL NEAR FLARED BEAM GUARD

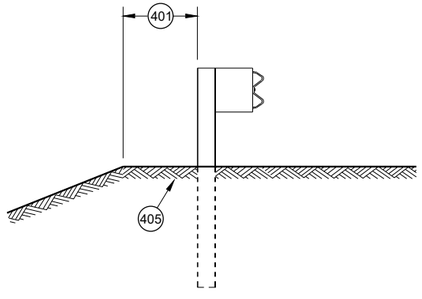


MISSING POST IN MGS GUARDRAIL NEAR A TYPE 2 END TERMINAL

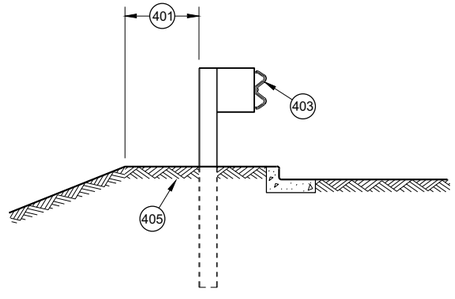


MISSING POST IN SHORT SPAN MGS GUARDRAIL NEAR CURB (SL) 407

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



SECTION A - A 406



SECTION B - B 406

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6
SDD 14B42 - 07d

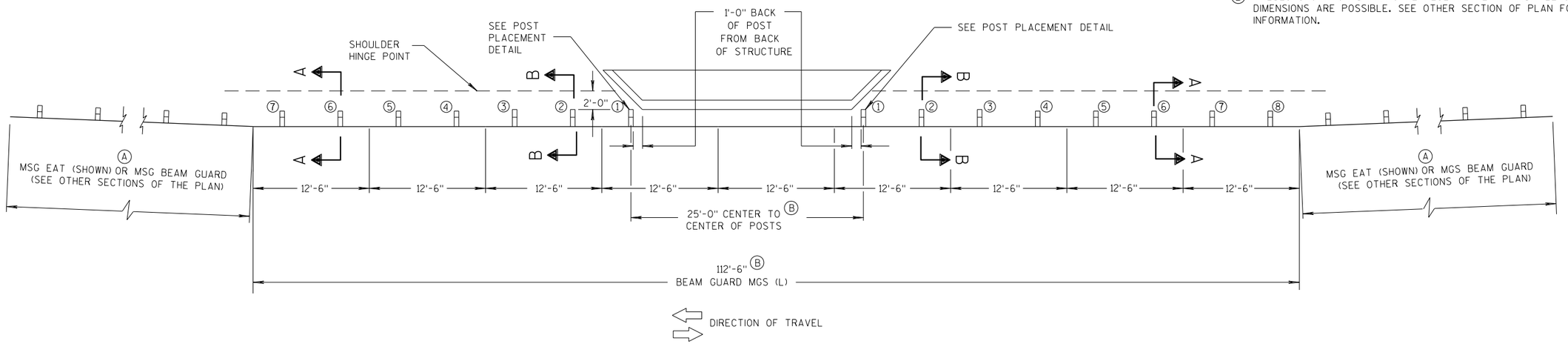
GENERAL NOTES

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

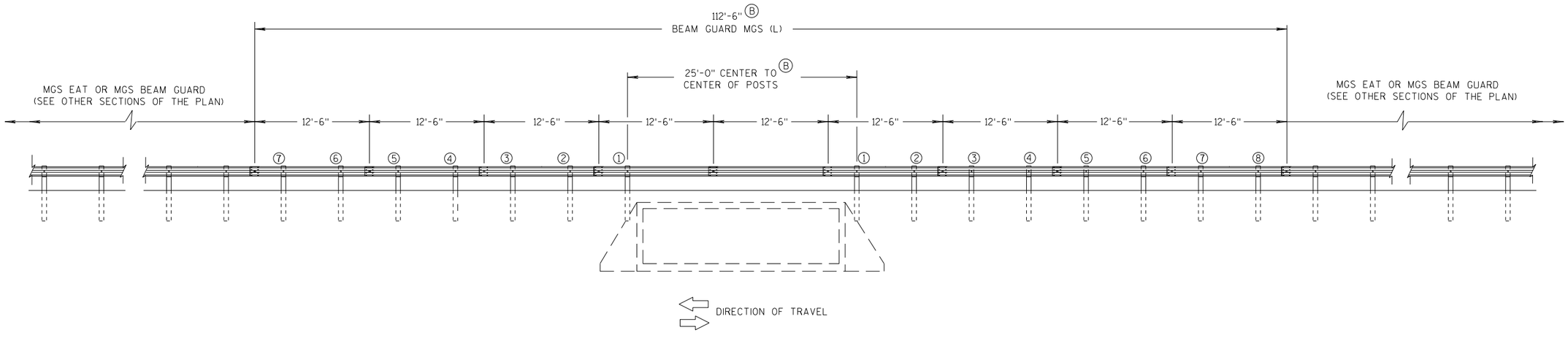
SEE SDD 14 B 42 FOR MORE DETAILS.

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

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



PLAN VIEW



ELEVATION VIEW

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

MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

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

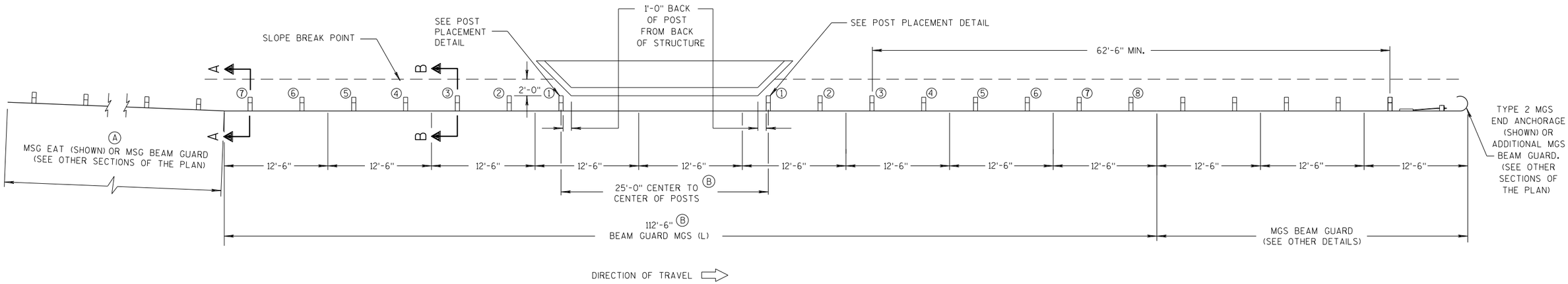
GENERAL NOTES

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ALL OTHER POSTS SHALL BE WOOD OR STEEL.

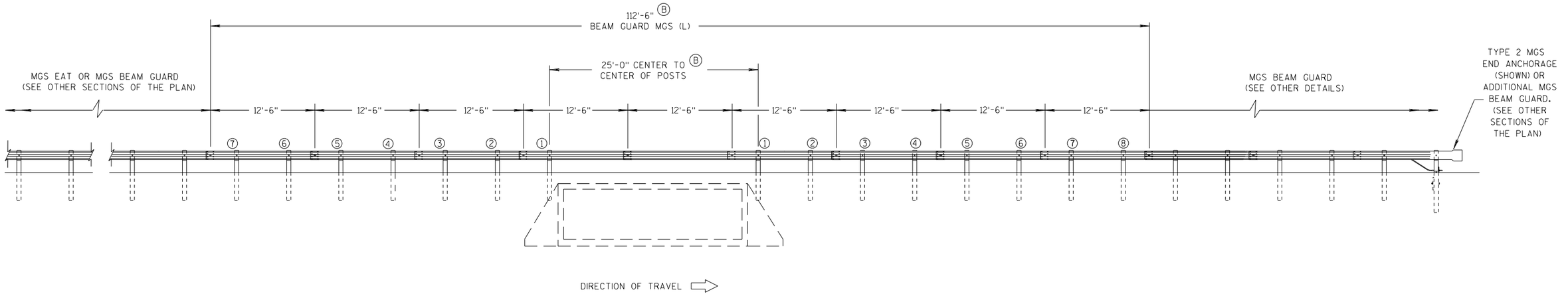
SEE SDD 14 B 42 FOR MORE DETAILS.

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

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



PLAN VIEW



ELEVATION VIEW

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

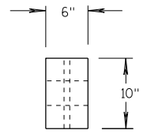
MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	411

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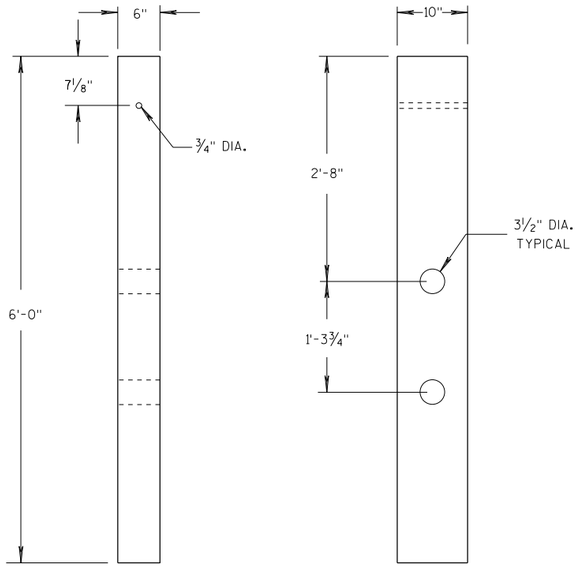
S.D.D. 14 B 43-4b

6

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

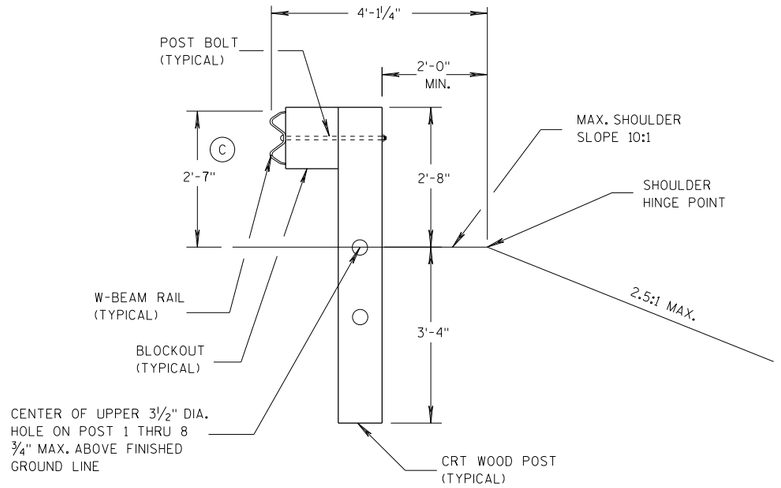


PLAN VIEW



FRONT VIEW SIDE VIEW

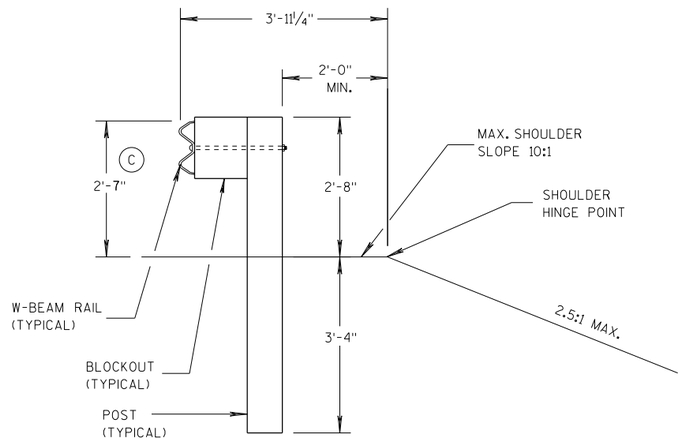
CRT WOOD POST



SECTION B-B

POSTS NO. 1-3

SEE OTHER DETAILS



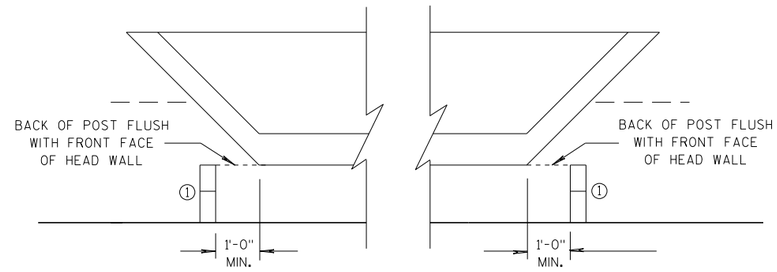
SECTION A-A

POSTS NO. 4-8

SEE OTHER DETAILS

GENERAL NOTES

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



POST PLACEMENT DETAIL

MIDWEST GUARDRAIL SYSTEM
LONG SPAN MGS (L)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
07/2018
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS D412 NT
ENGINEER

6

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

6

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

GENERAL NOTES

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

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

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

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

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

DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

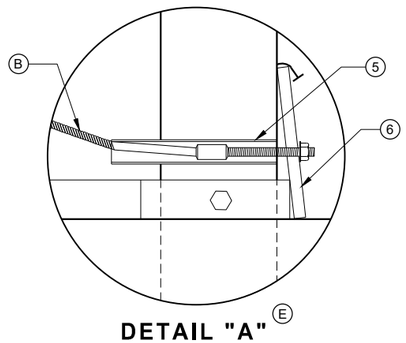
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

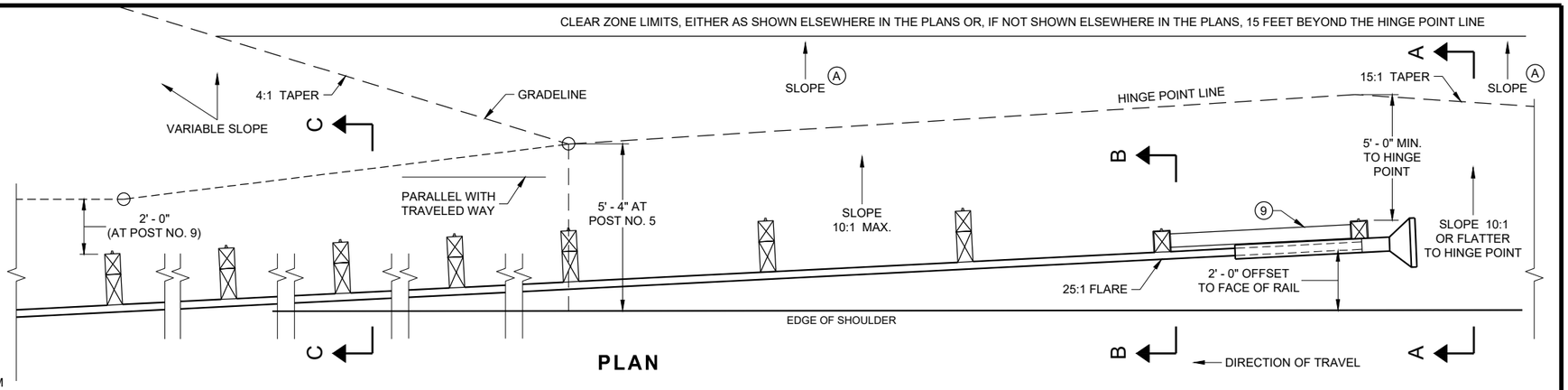
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

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

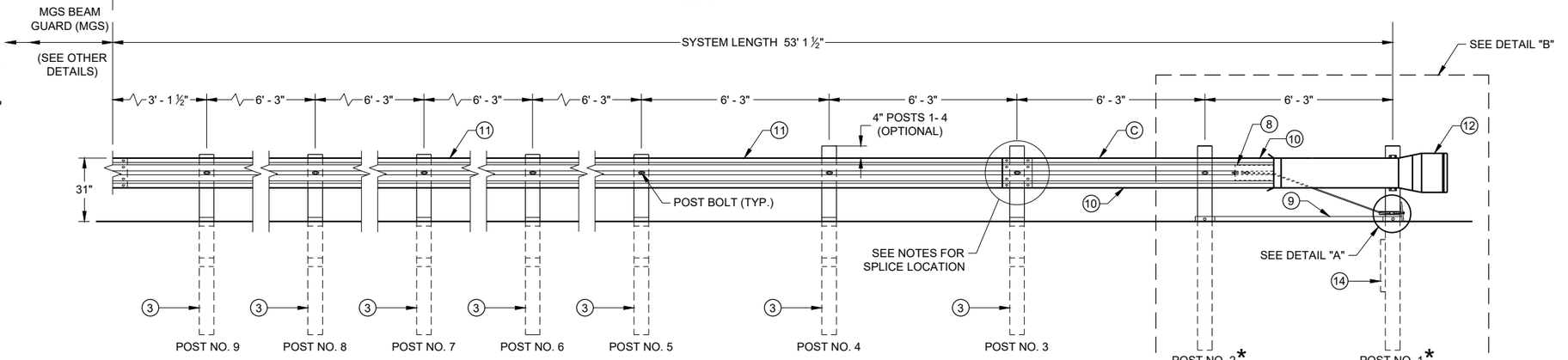
THE CENTER OF THE UPPER 3 ½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.



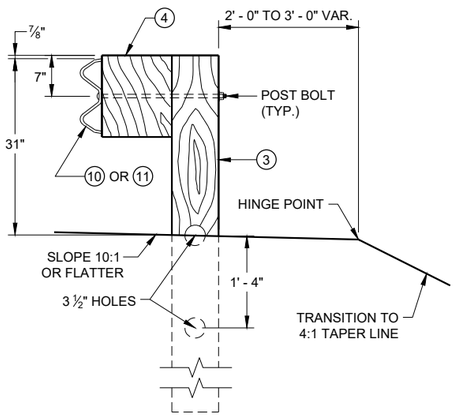
DETAIL "A" (E)



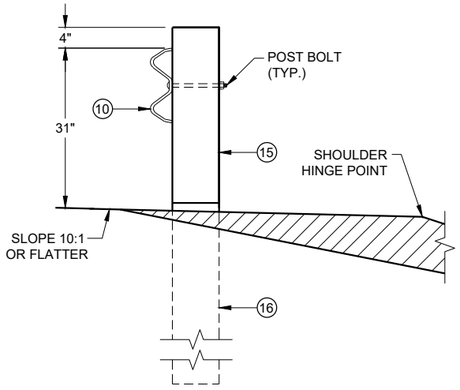
PLAN



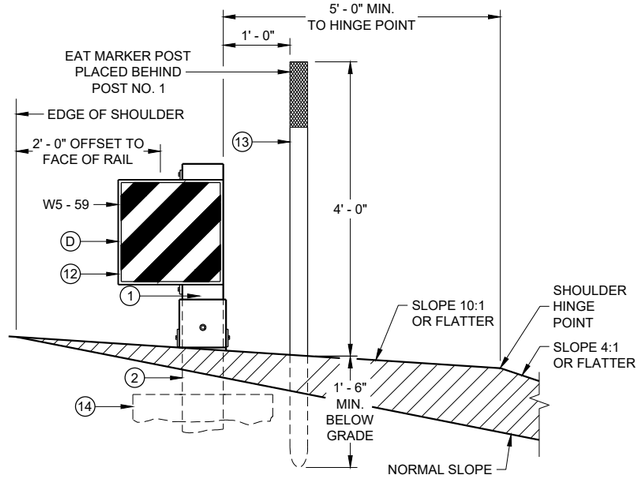
ELEVATION



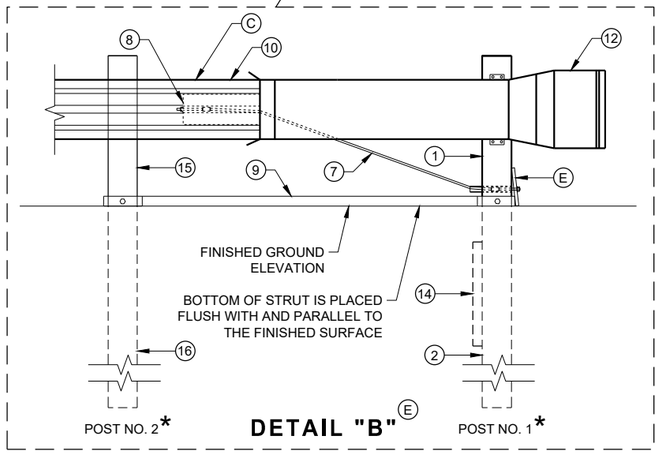
SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



SECTION A - A
TYPICAL AT POST NO. 1*



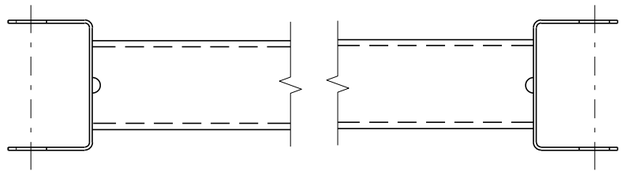
DETAIL "B" (E)

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B44 - 04a

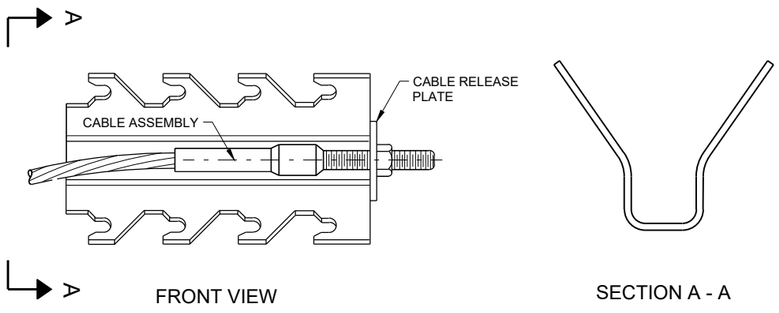
SDD 14B44 - 04a



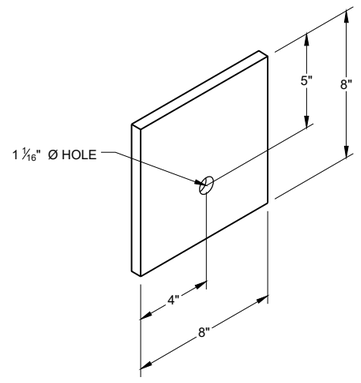
GENERIC GROUND STRUT ⑨ Ⓔ

BILL OF MATERIALS

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



GENERIC ANCHOR CABLE BOX ⑨ Ⓔ



BEARING PLATE ⑥ Ⓔ

6

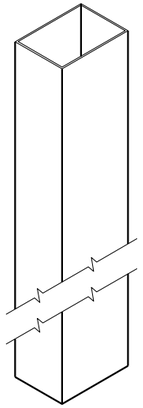
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SDD 14B44 - 04b

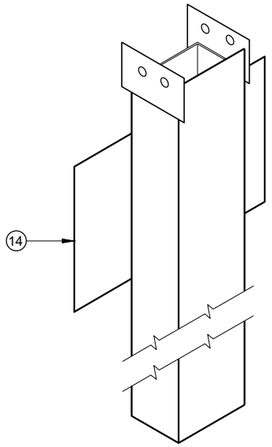
SDD 14B44 - 04b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

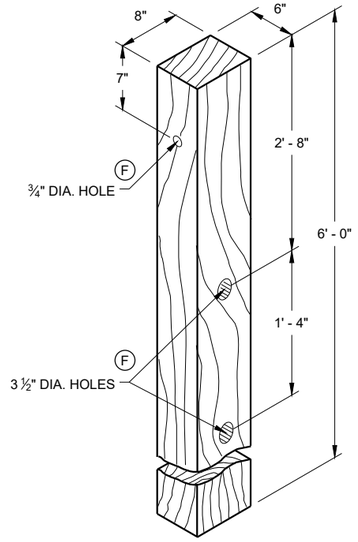
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



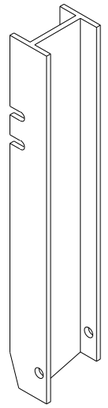
UPPER POST NO. 1 (1) (E)



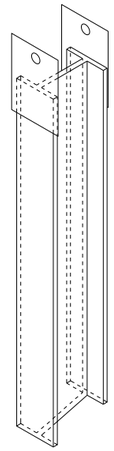
LOWER POST NO. 1 (2) (E)



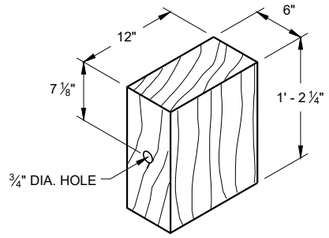
WOOD CRT POST (3) (E)
POSTS NUMBER 3-9



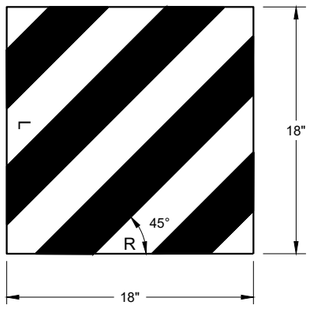
UPPER POST NO. 2 (15) (E)



LOWER POST NO. 2 (16) (E)

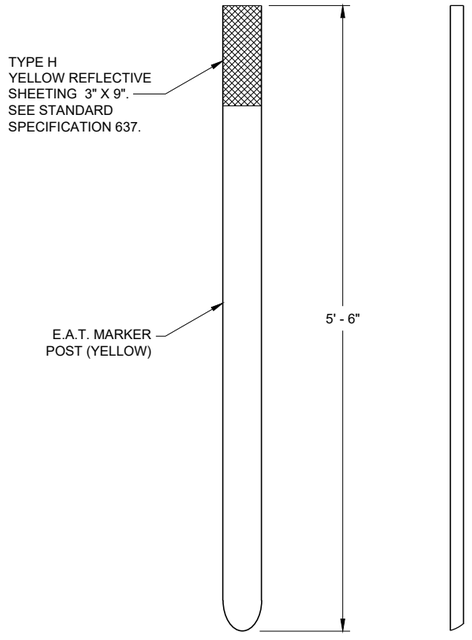


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



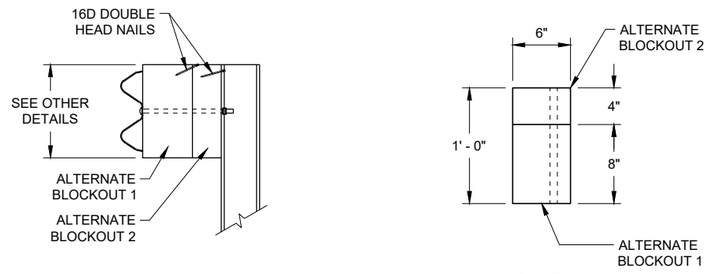
W5 - 59

REFLECTIVE SHEETING DETAIL (E)



FRONT VIEW SIDE VIEW

E.A.T. MARKER POST (13)



SIDE VIEW TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

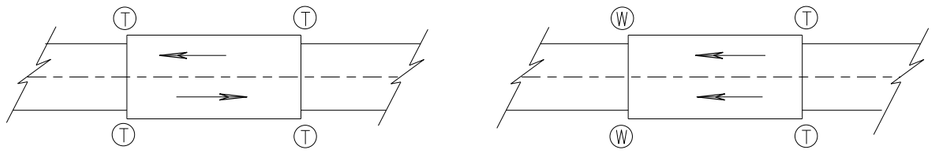
MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6

SDD 14B44 - 04c



TWO WAY TRAFFIC

ONE WAY TRAFFIC

(T) THRIE BEAM CONNECTION

(W) W-BEAM CONNECTION WHEN REQUIRED

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

GENERAL NOTES

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

TRANSITION USES STEEL POSTS ONLY.

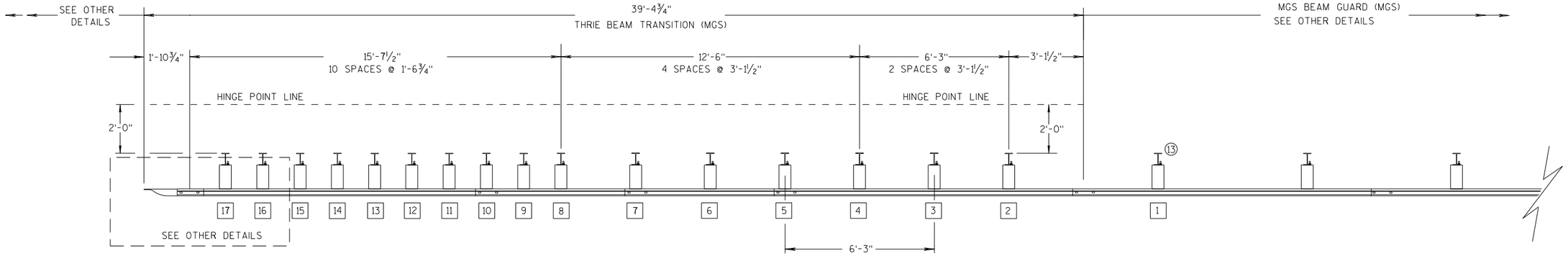
SEE STANDARD DETAIL DRAWING 14 B 42 FOR MORE INFORMATION.

POST 2 THROUGH 17 USES STEEL POST ONLY

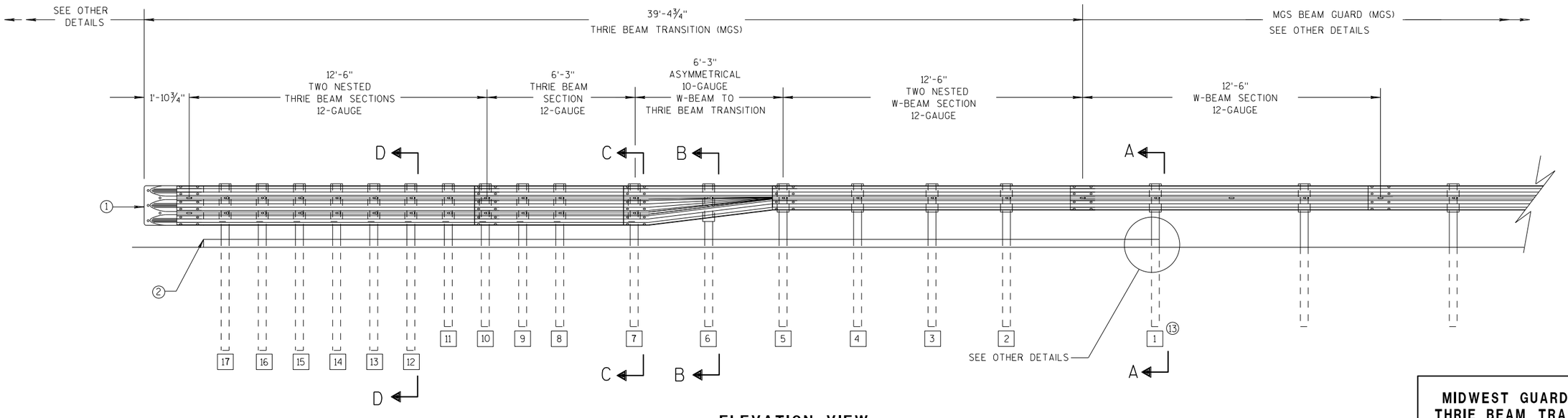
(1) BRIDGE RAILING TYPE "W" DOES NOT REQUIRE A TERMINAL CONNECTOR.

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

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



PLAN VIEW



ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 416

6

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

6

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

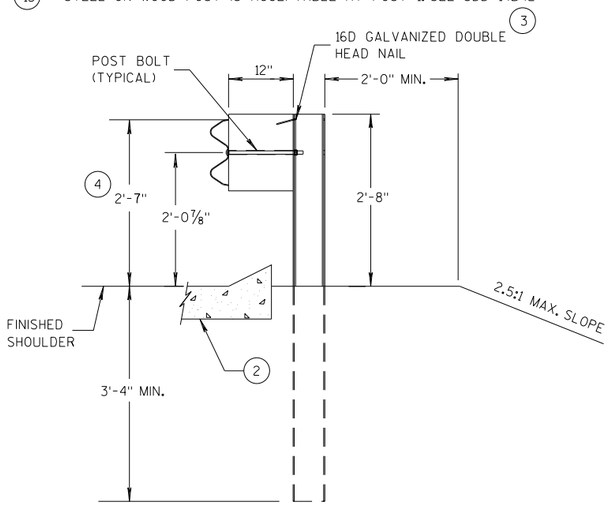
GENERAL NOTES

(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.

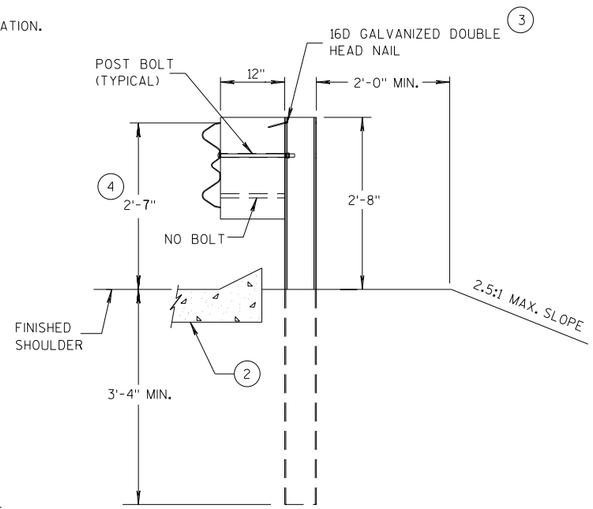
(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

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



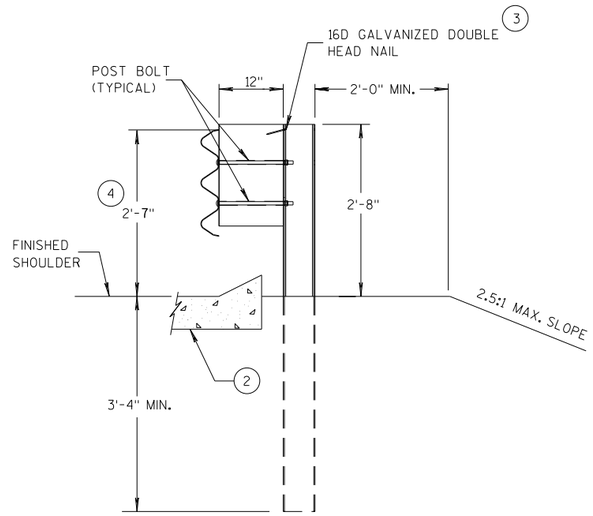
SECTION A-A (13)

POSTS 1-5



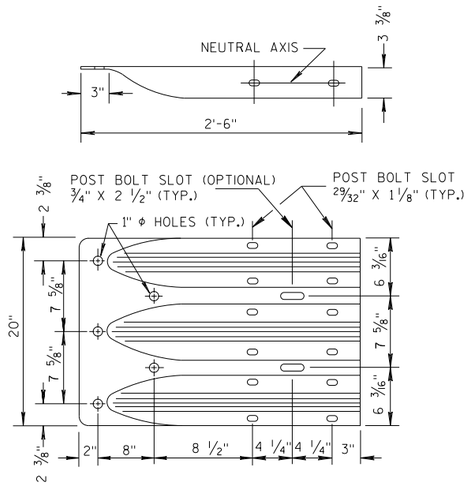
SECTION B-B

POST 6

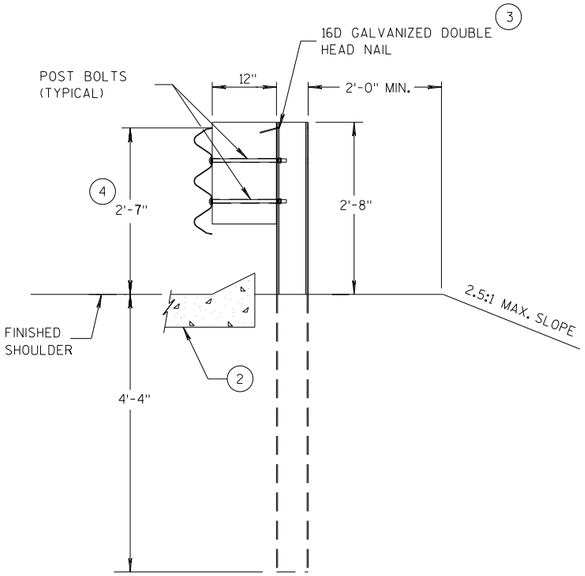


SECTION C-C

POSTS 7-11

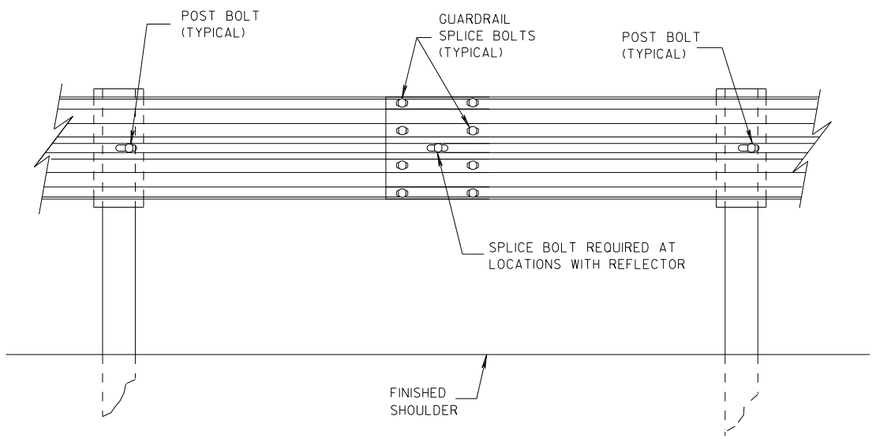


THRIE BEAM TERMINAL CONNECTOR



SECTION D-D

POSTS 12-17



SPLICE DETAIL

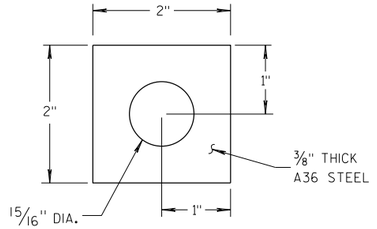
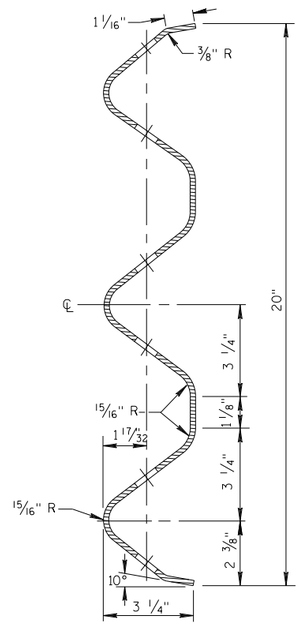


PLATE WASHER DETAIL



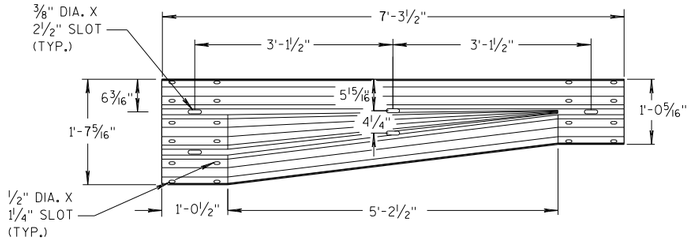
SECTION THRU THRIE BEAM RAIL ELEMENT

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

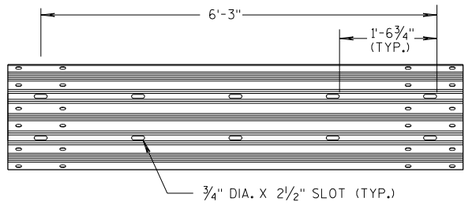
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOF

6

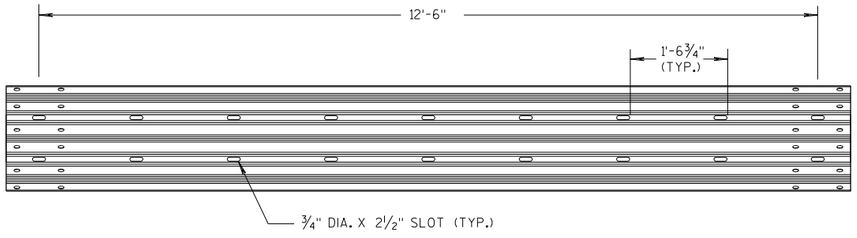
S.D.D. 14 B 45-5b



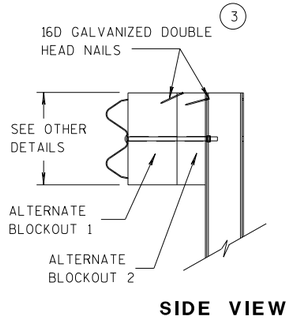
W-BEAM TO THRIE BEAM TRANSITION SECTION



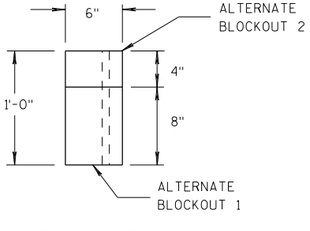
6'-3" THRIE BEAM SECTION



12'-6" THRIE BEAM SECTION

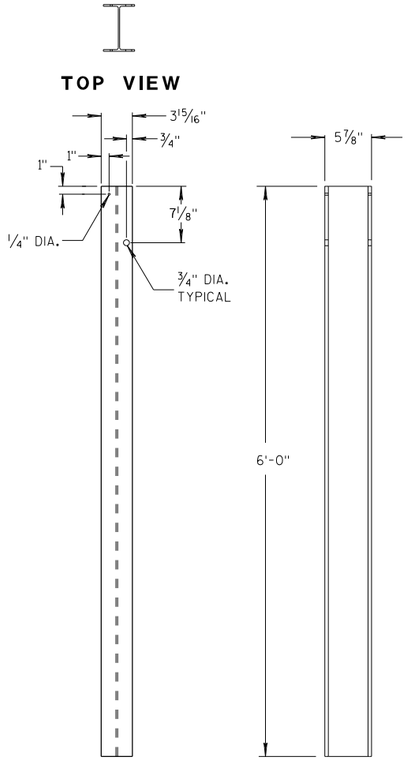


SIDE VIEW



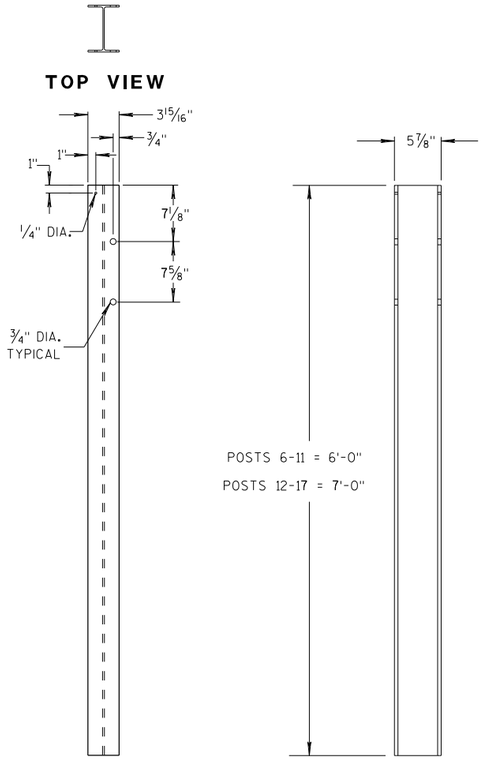
TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL



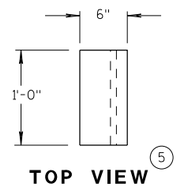
FRONT VIEW SIDE VIEW

STEEL POSTS 1-5 (13)

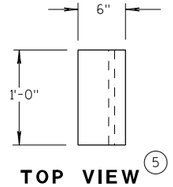


FRONT VIEW SIDE VIEW

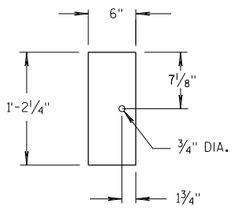
STEEL POSTS 6-17



TOP VIEW (5)

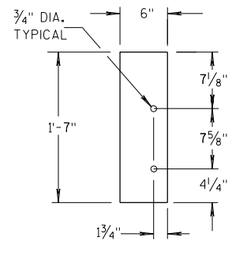


TOP VIEW (5)



FRONT VIEW

BLOCKOUT POSTS 1-5



FRONT VIEW

BLOCKOUT POSTS 6-17

GENERAL NOTES

STEEL POSTS ARE W6X9 OR W6X8.5.

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

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

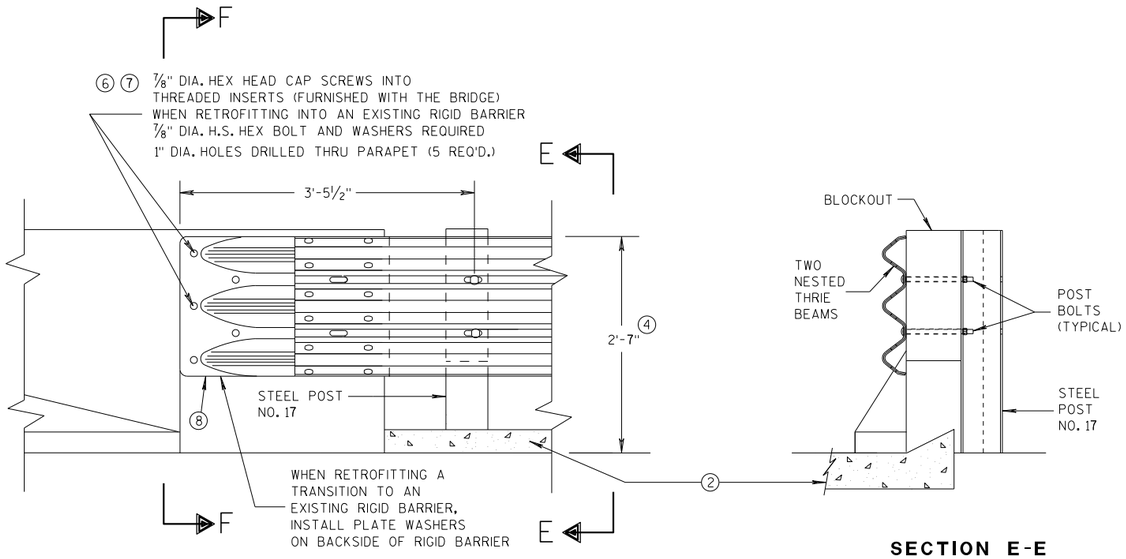
(5) WOOD BLOCKS MAY BE CONSTRUCTED OUT OF 2 WOOD BLOCKS. SEE ALTERNATE WOOD BLOCK DETAIL.

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

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 418

6
S.D.D. 14 B 45-5c



FRONT VIEW

SECTION E-E

THRIE BEAM CONNECTION TO BRIDGE PARAPET WITH SQUARE ENDS

GENERAL NOTES

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

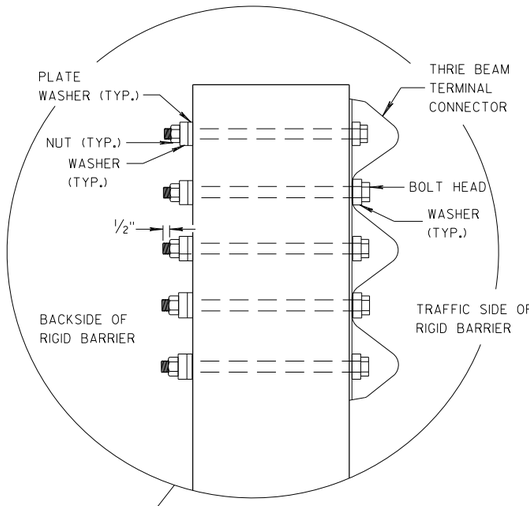
② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

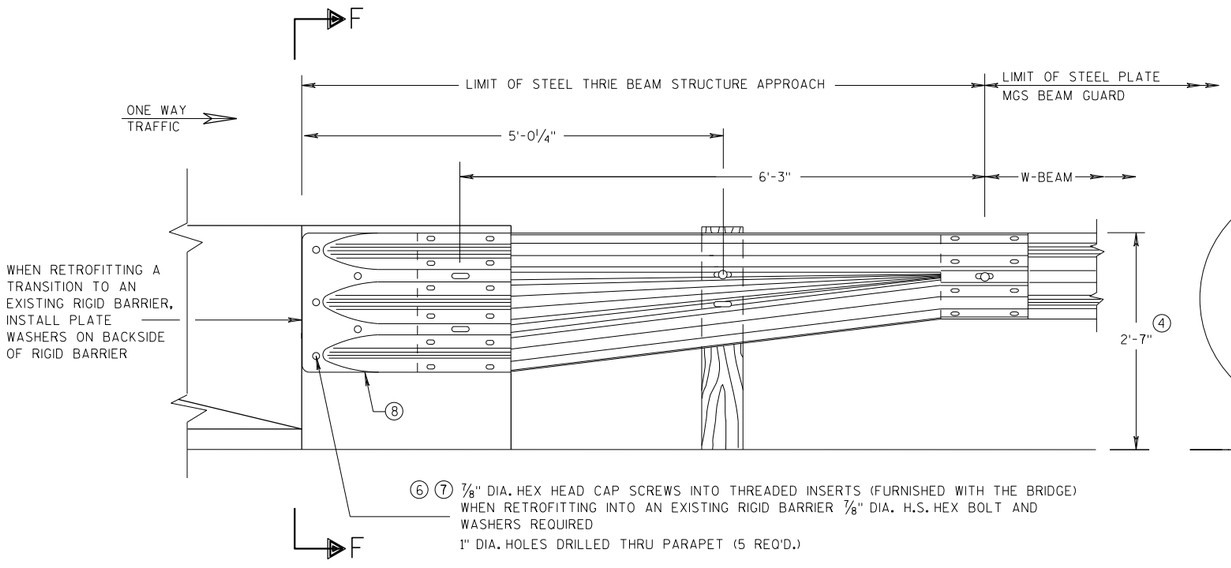
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

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

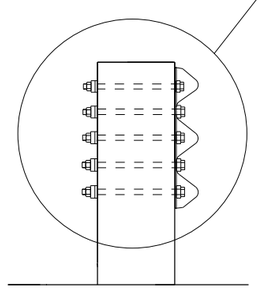
⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE.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

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

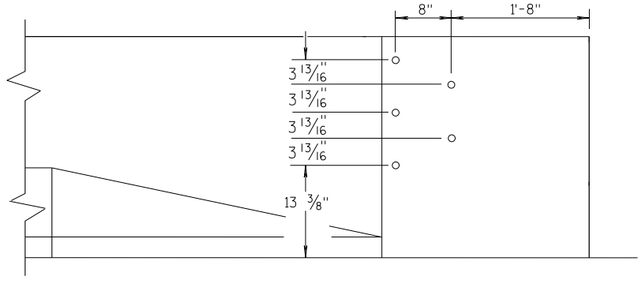




FRONT VIEW



SECTION F-F



DRILL HOLE LOCATION

W BEAM TRANSITION AND CONNECTION TO BRIDGE PARAPETS WITH SQUARE ENDS

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

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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

GENERAL NOTES

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

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

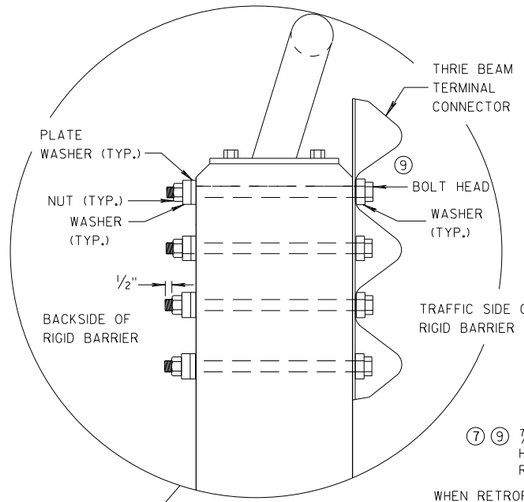
(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

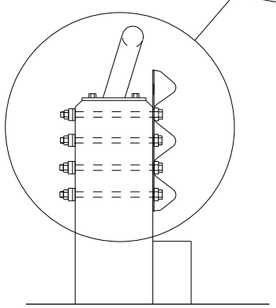
(6) DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

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

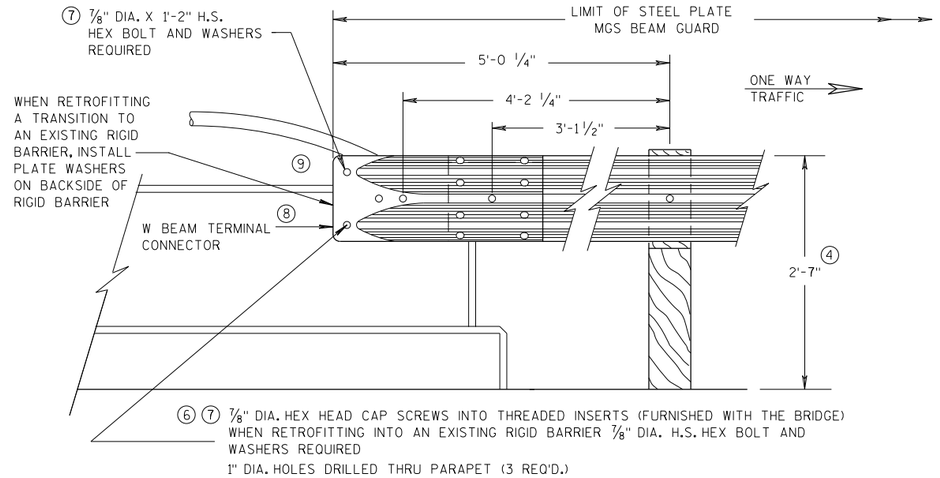
(8) THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 ½".

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





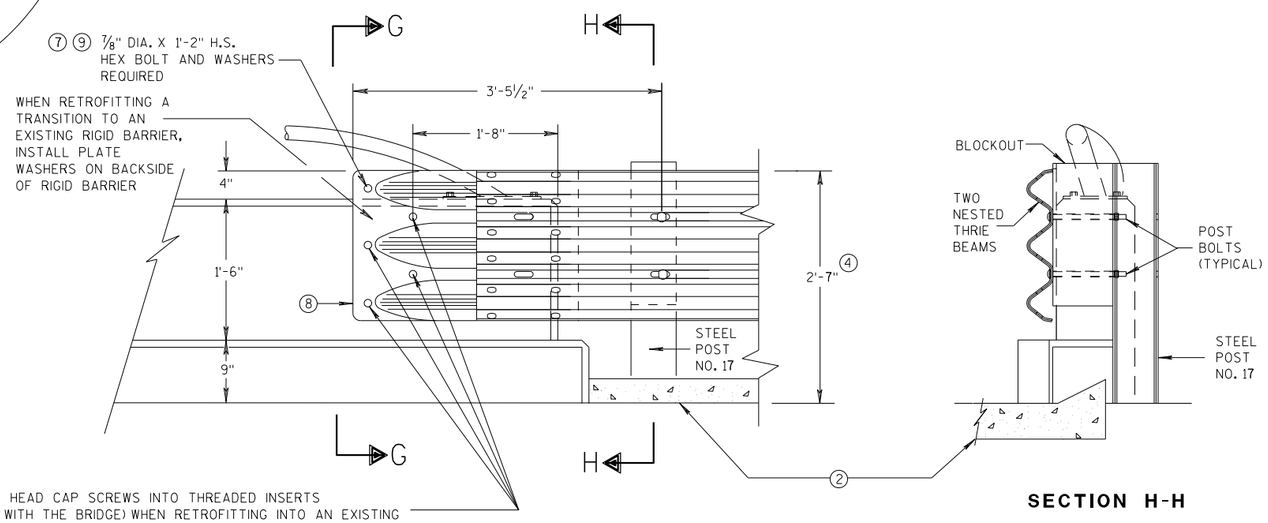
SECTION G-G



FRONT VIEW

W BEAM CONNECTION TO VERTICAL FACE PARAPET

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



FRONT VIEW

SECTION H-H

THRIE BEAM CONNECTION TO VERTICAL FACED PARAPETS

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

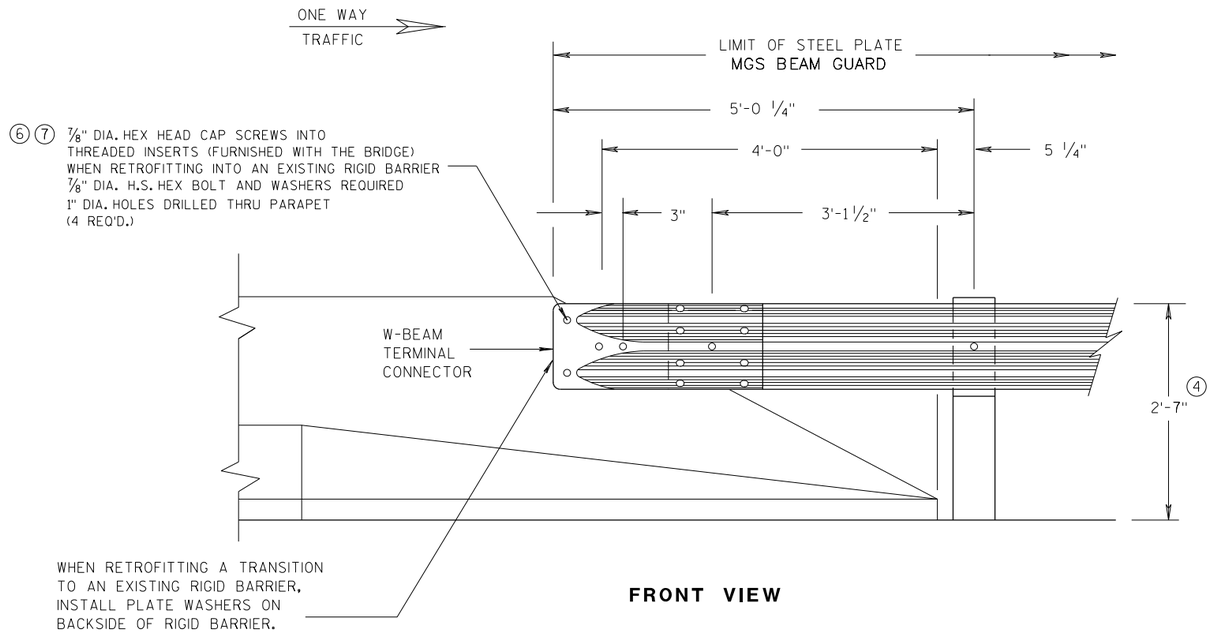
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07/2018 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D[illegible] UNIT SUPERVIS[illegible]
FHWA

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



FRONT VIEW

W BEAM CONNECTION TO PARAPETS WITH SLOPED ENDS

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

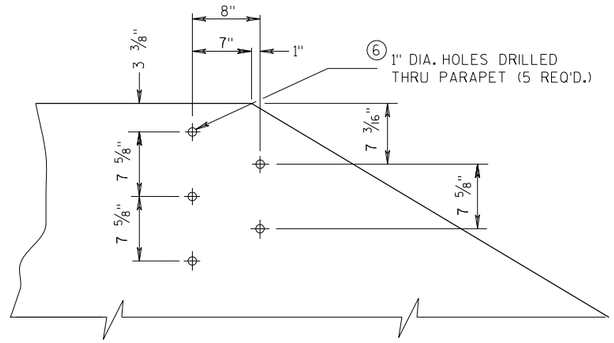
GENERAL NOTES

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

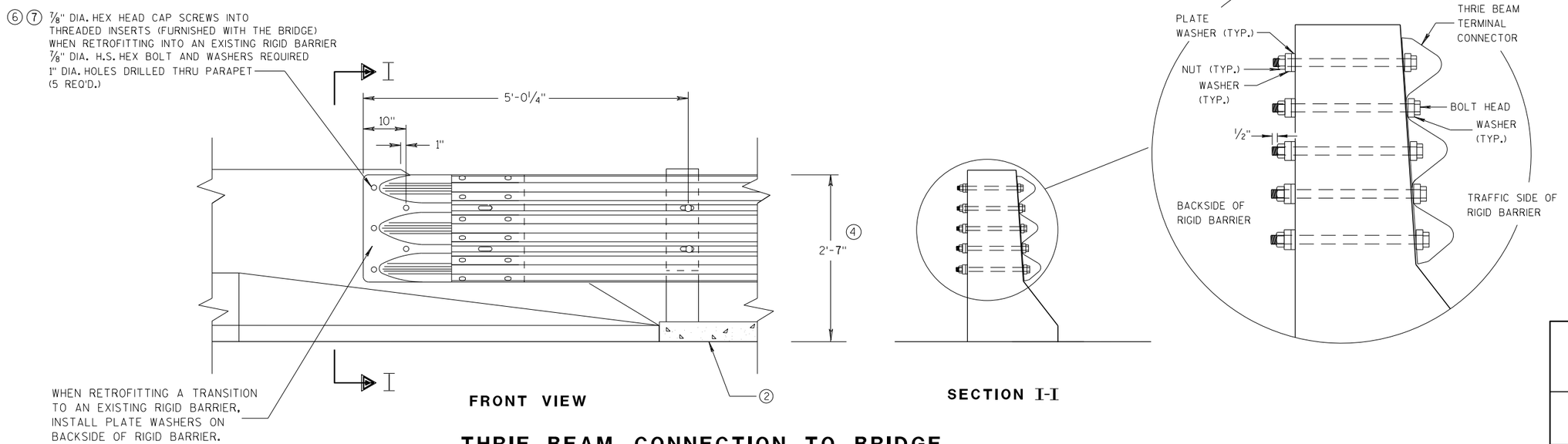
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

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

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DRILL HOLE LOCATION AND PATTERN FOR THRIE BEAM CONNECTION



FRONT VIEW

SECTION I-I

THRIE BEAM CONNECTION TO BRIDGE PARAPETS WITH SLOPED ENDS

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

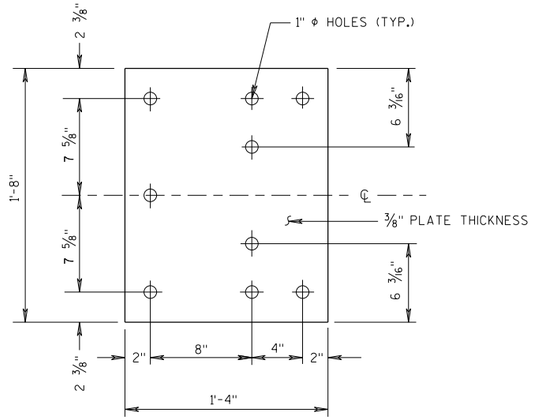
APPROVED
07/2018 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS [illegible] UNIT SUPERVI[illegible]ENT
FHWA

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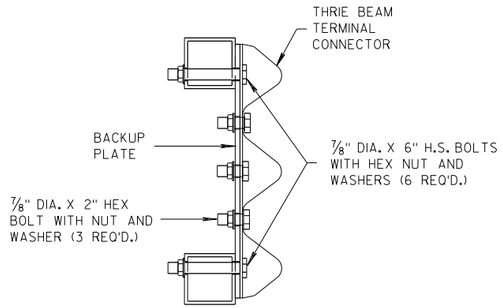
S.D.D. 14 B 45-5f

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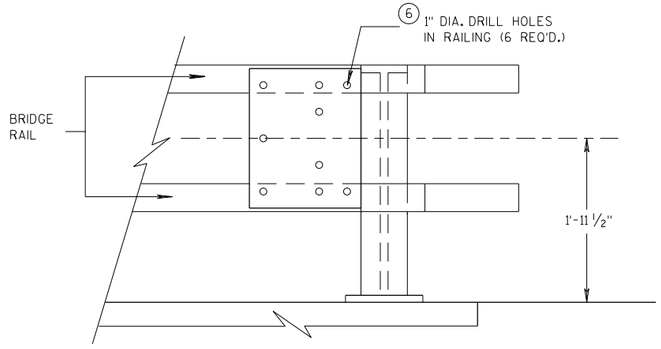
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BACK-UP PLATE DETAIL



SECTION J-J

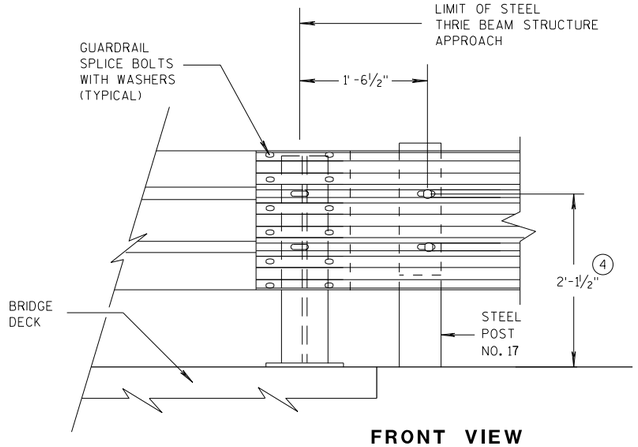


BACK-UP PLATE MOUNTING ONTO BRIDGE RAILING

GENERAL NOTES

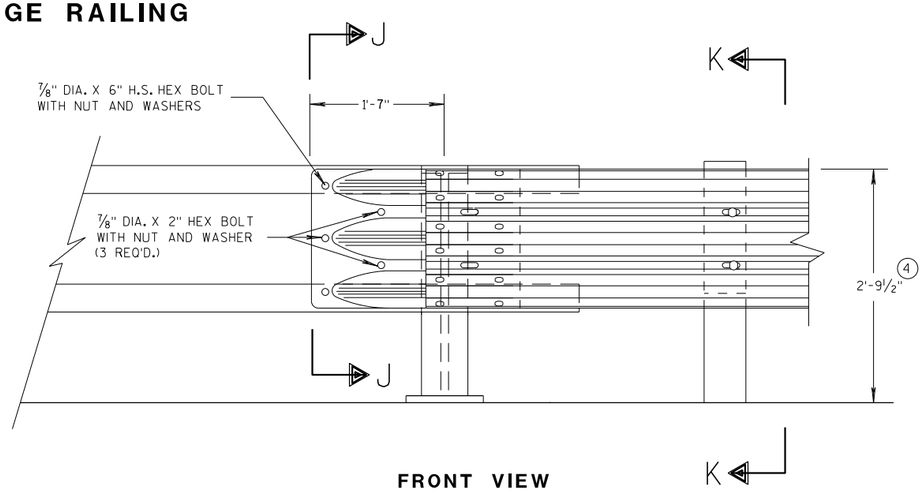
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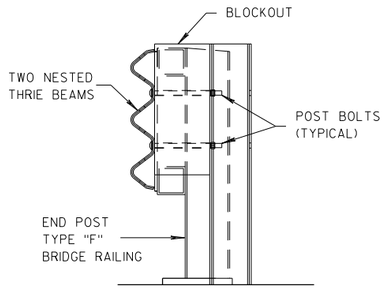


FRONT VIEW

THRIE BEAM CONNECTION TO STEEL RAILING TYPE "W"



FRONT VIEW



SECTION K-K

THRIE BEAM CONNECTION TO TUBULAR RAILING TYPE "F"

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED 07/2018 — DATE
FHWA

/S/ Rodney Taylor 422
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

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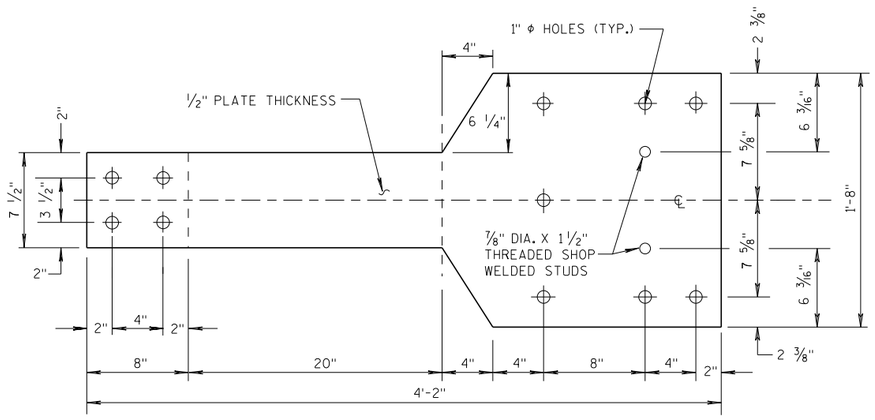
S.D.D. 14 B 45-5g

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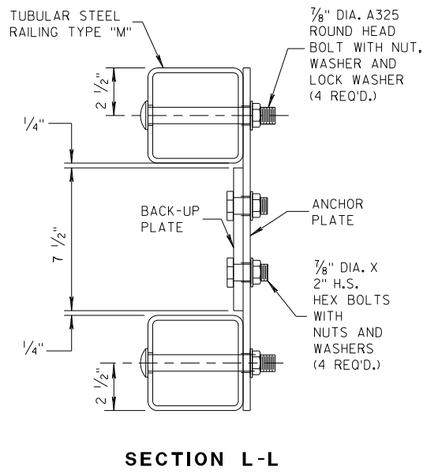
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GENERAL NOTES

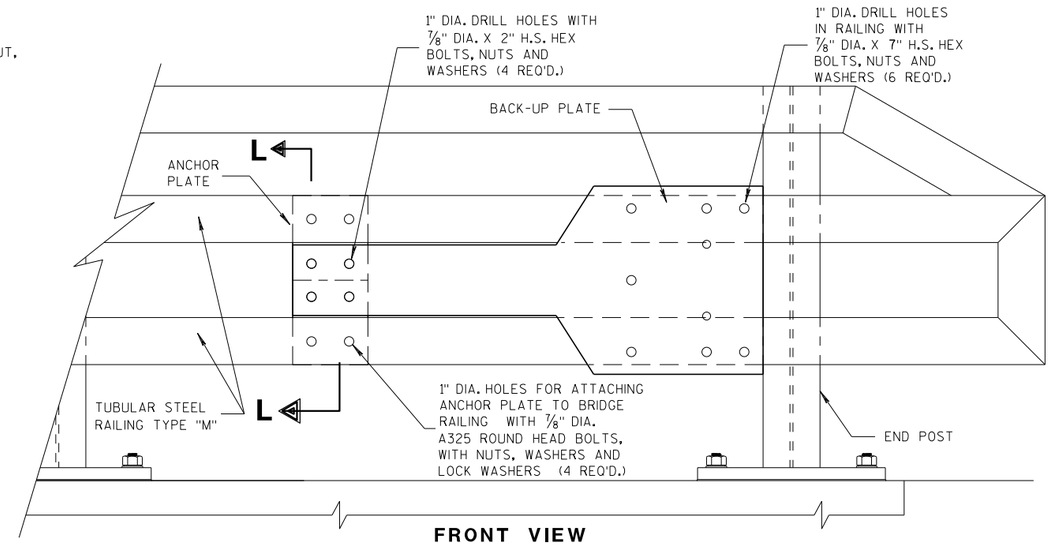
(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".



FRONT VIEW

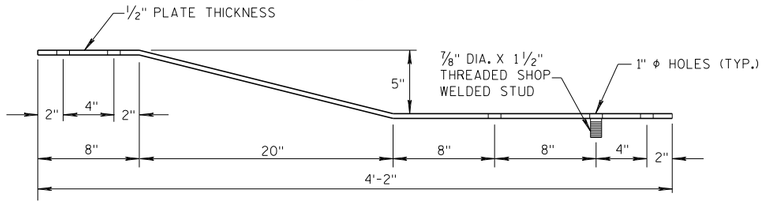


SECTION L-L



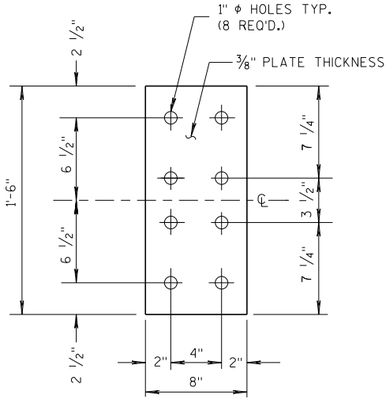
FRONT VIEW

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



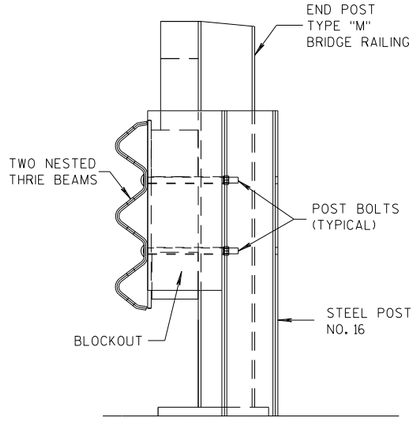
PLAN VIEW

BACK-UP PLATE DETAIL, TYPE "M"

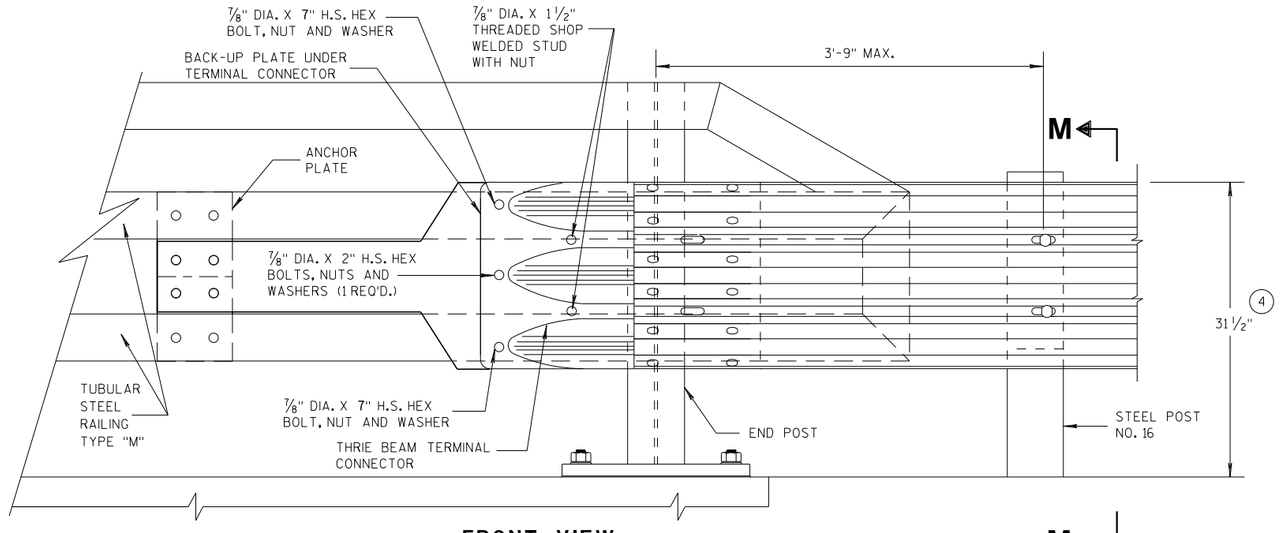


FRONT VIEW

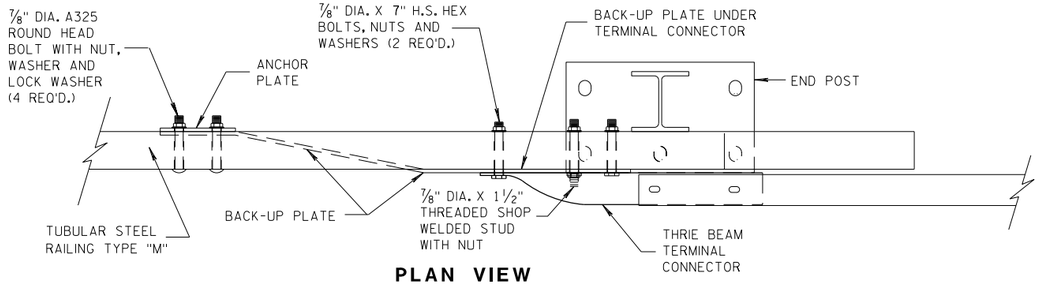
ANCHOR PLATE DETAIL, TYPE "M"



SECTION M-M



FRONT VIEW



PLAN VIEW

THRIE BEAM CONNECTION TO TUBULAR RAILING, TYPE "M"

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

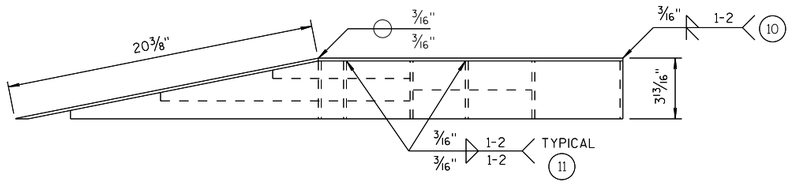
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07/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA

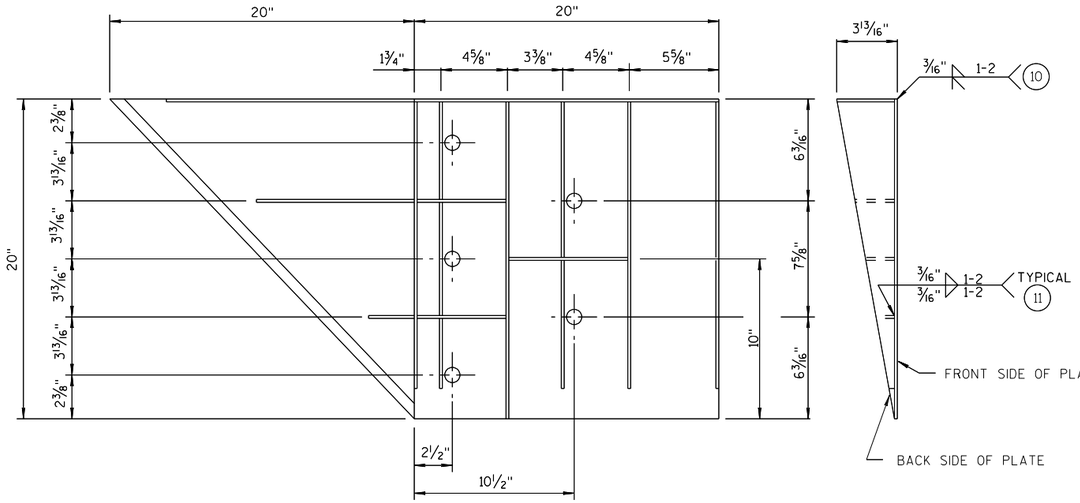
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S.D.D. 14 B 45-5h





WELDING INSTRUCTION

(VIEWED FROM BACK SIDE OF PLATE)

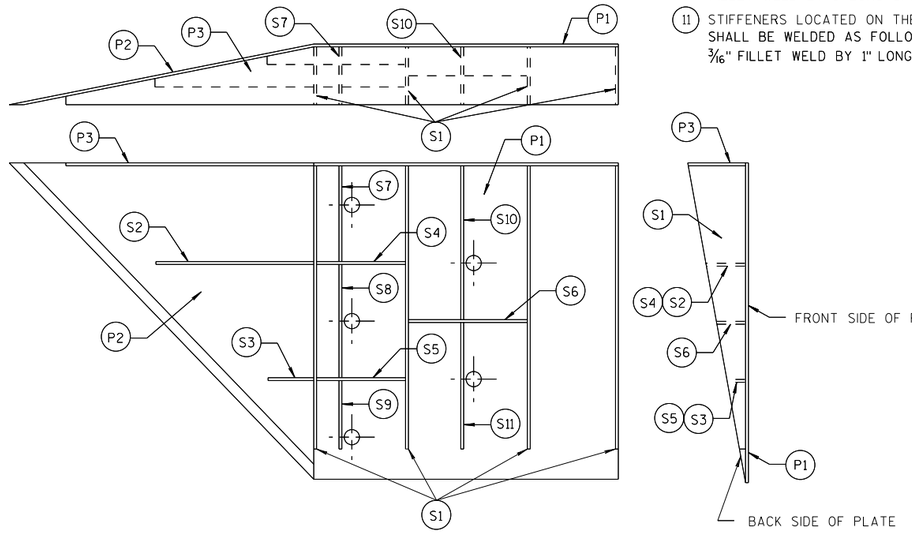


PLATE AND STIFFENER IDENTIFICATION

(VIEWED FROM BACK SIDE OF PLATE)

GENERAL NOTES

COVER PLATE PANELS ARE 3/16" THICK.

ALL STIFFENERS ARE 1/4" THICK.

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

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

ALL HOLE DIAMETERS SHALL BE 1".

FOR OPPOSITE SIDE INSTALLATION MIRROR DRAWINGS.

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

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

CONNECTOR PLATE DIMENSION (PER ASSEMBLY)

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

SINGLE SLOPE CONNECTION PLATE

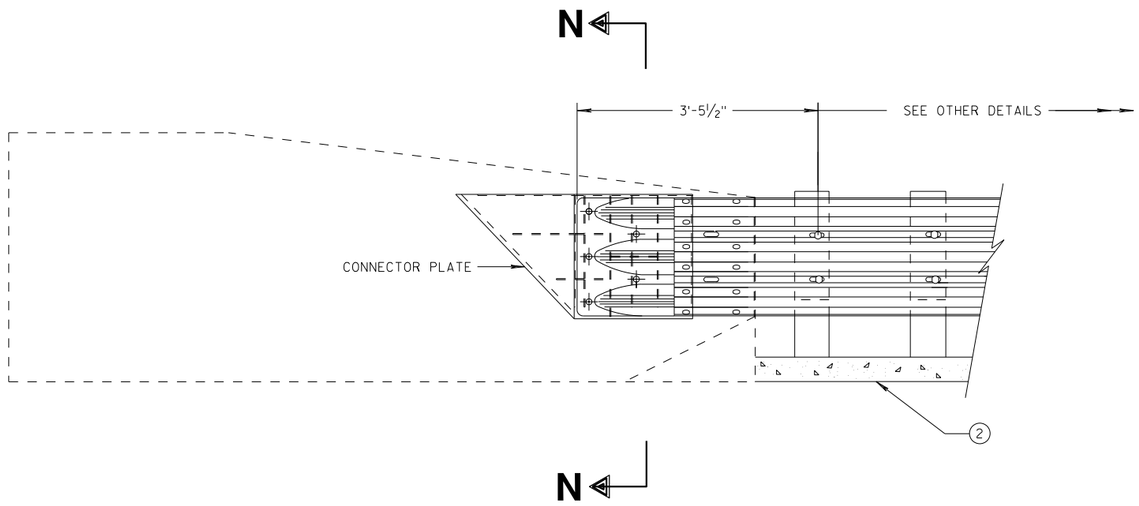
MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

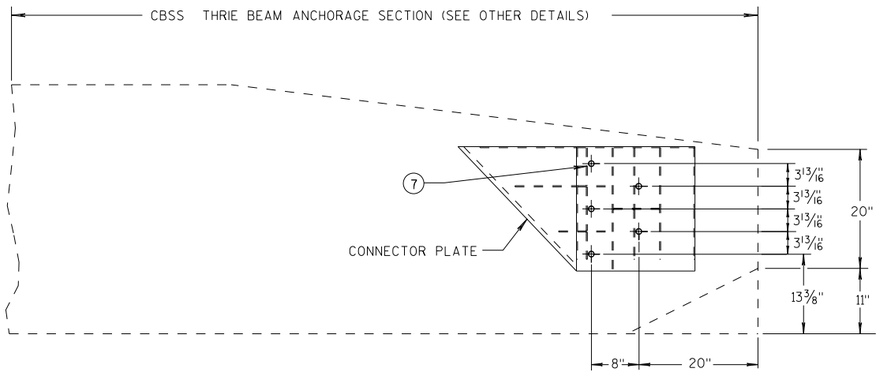
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7/2018
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS I
UNIT SUPERVI

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



THRIE BEAM CONNECTION TO SINGLE SLOPE BARRIER



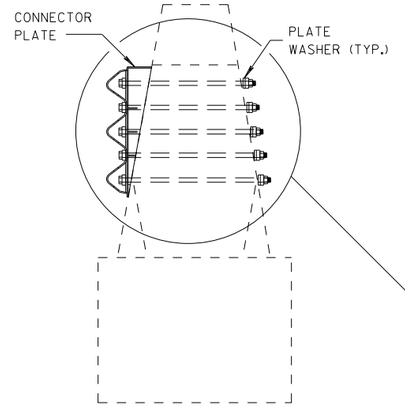
SINGLE SLOPE CONNECTION PLATE PLACEMENT

GENERAL NOTES

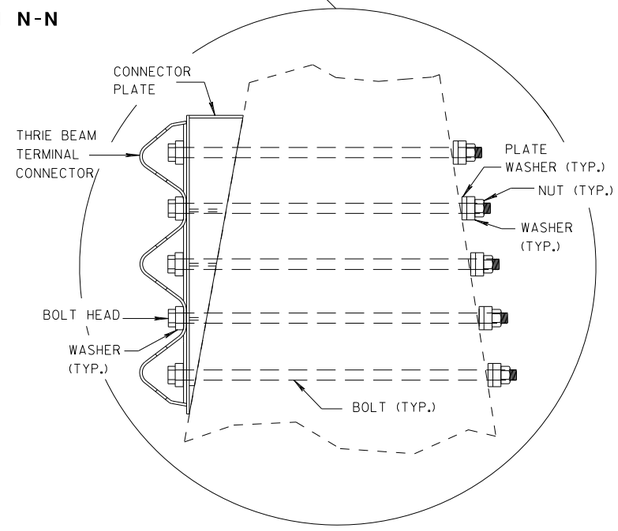
CONNECTOR PLATE, DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

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

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



SECTION N-N



MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
FHWA

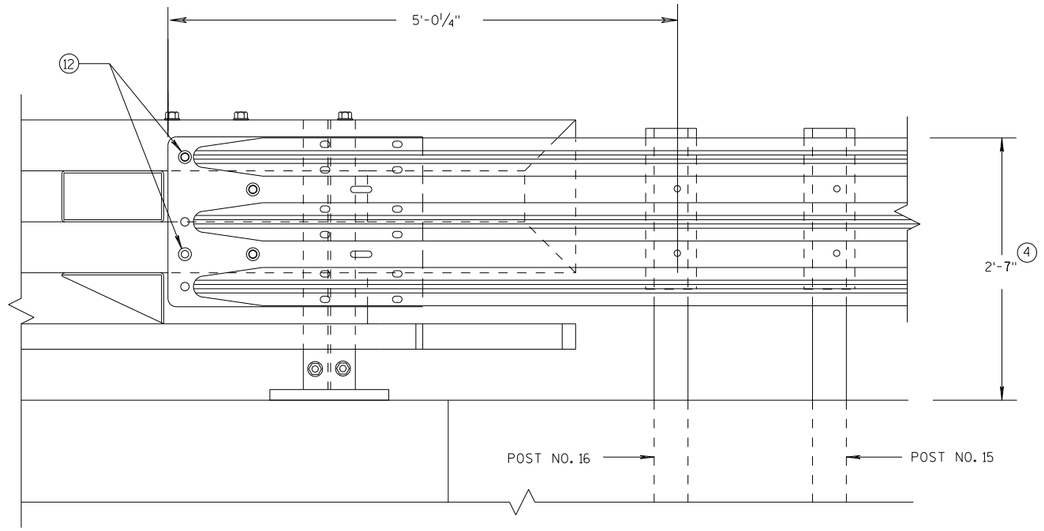
/S/ Rodney Taylor
ROADWAY STANDARDS DI
UNIT SUPERVIS

6

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

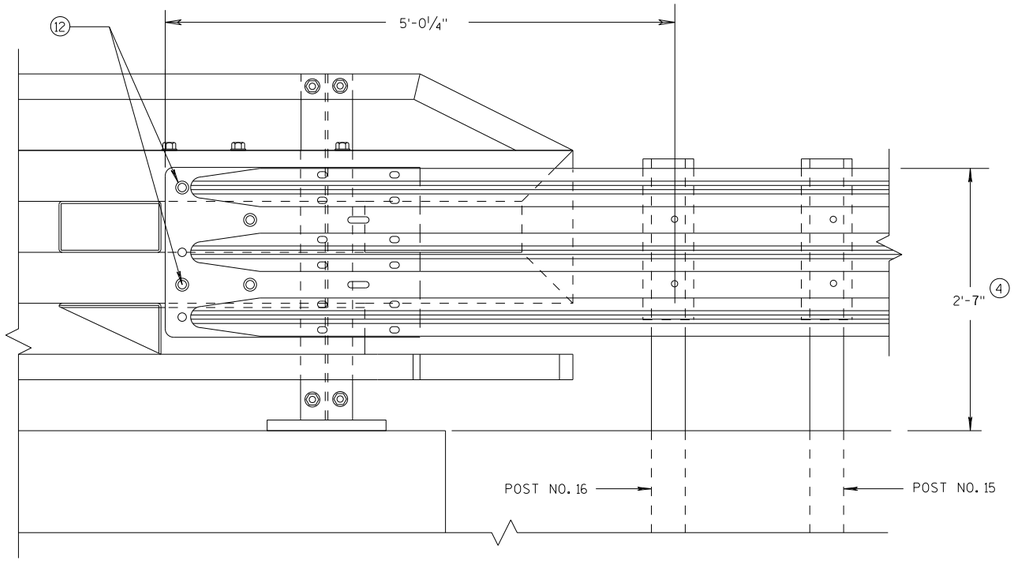
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S.D.D. 14 B 45-5j



ELEVATION OF DETAIL AT NY3 END POST

THRIE BEAM RAIL ATTACHMENT



ELEVATION OF DETAIL AT NY4 END POST

THRIE BEAM RAIL ATTACHMENT

GENERAL NOTES

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

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

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
FHWA

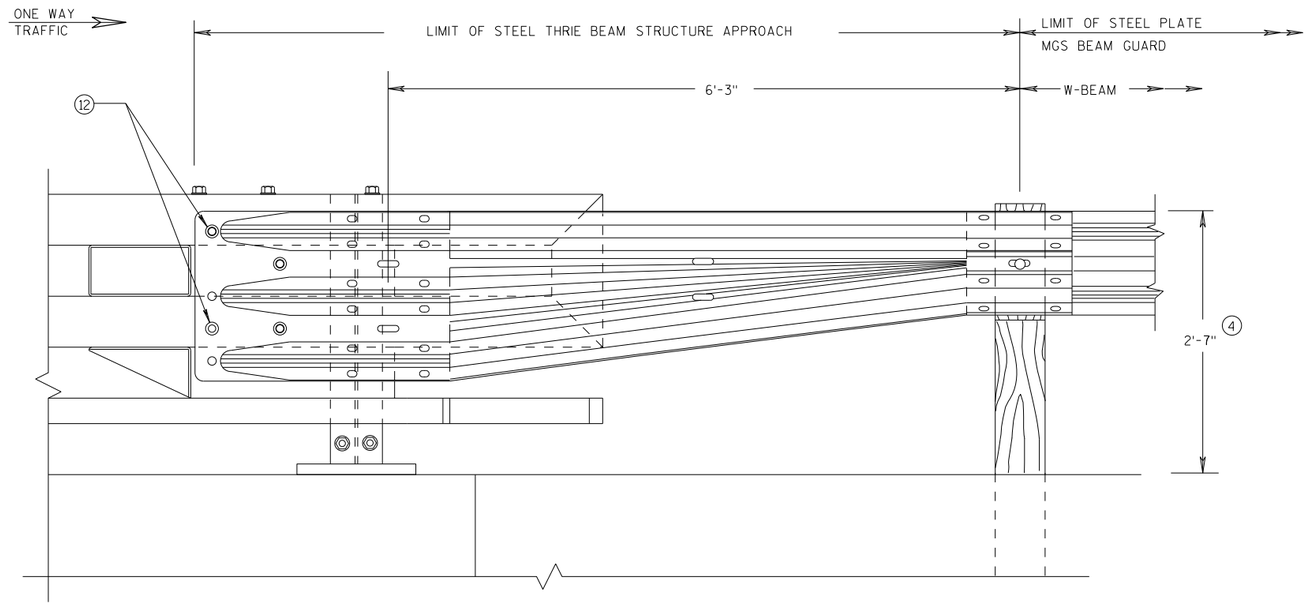
/S/ Rodney Taylor
ROADWAY STANDARDS D 426 NT
UNIT SUPERVIS

6

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

6

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



FRONT VIEW

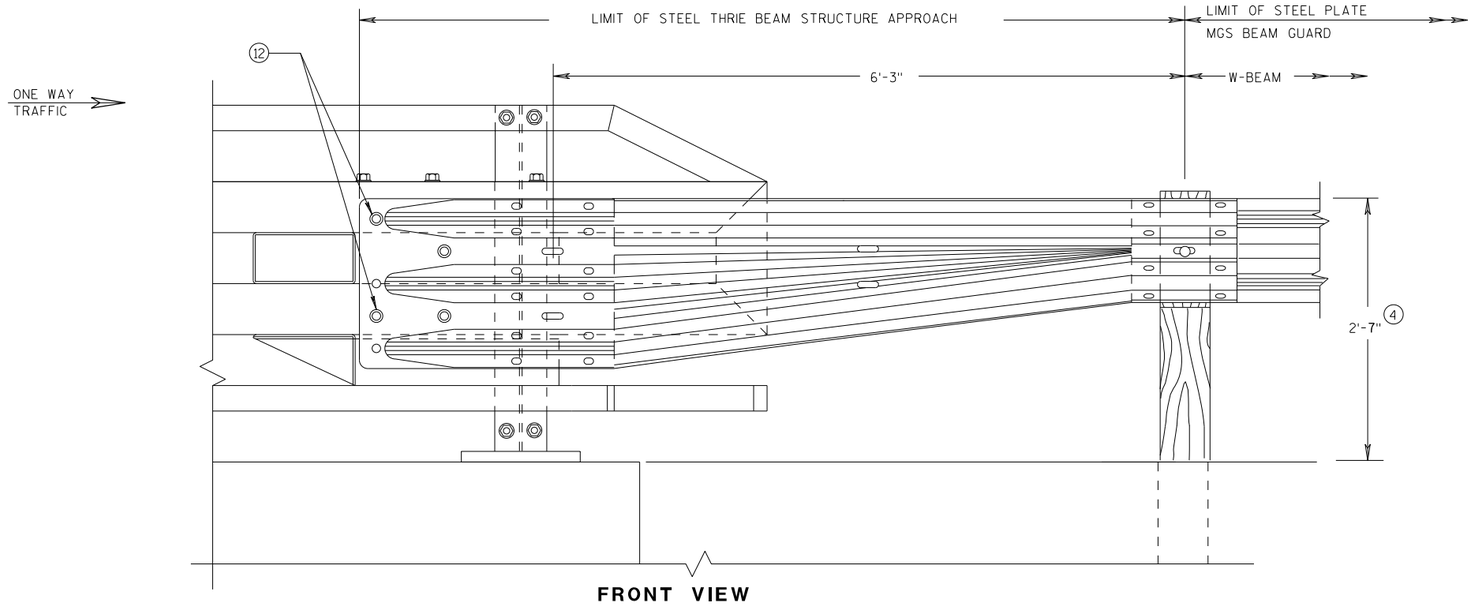
W BEAM TRANSITION AND CONNECTION TO BRIDGE RAILING TYPE "NY3"

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

GENERAL NOTES

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

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



FRONT VIEW

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

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

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS D
UNIT SUPERVIS

427

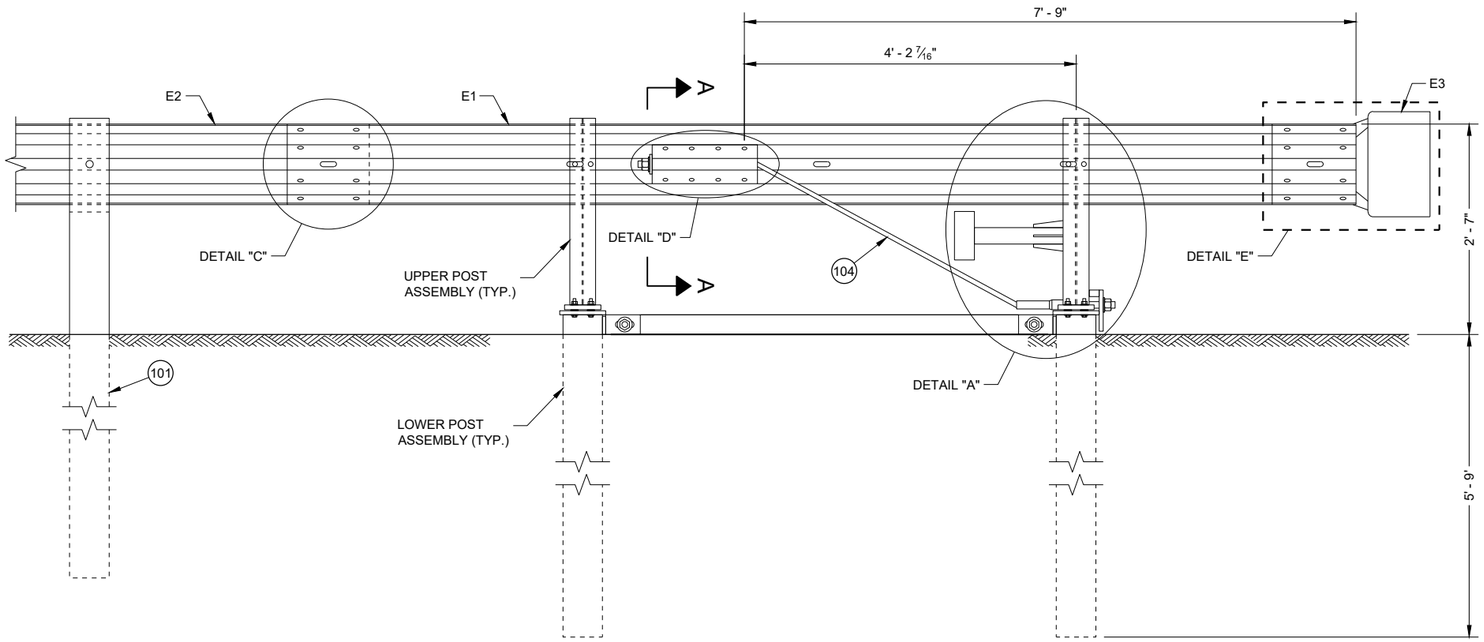
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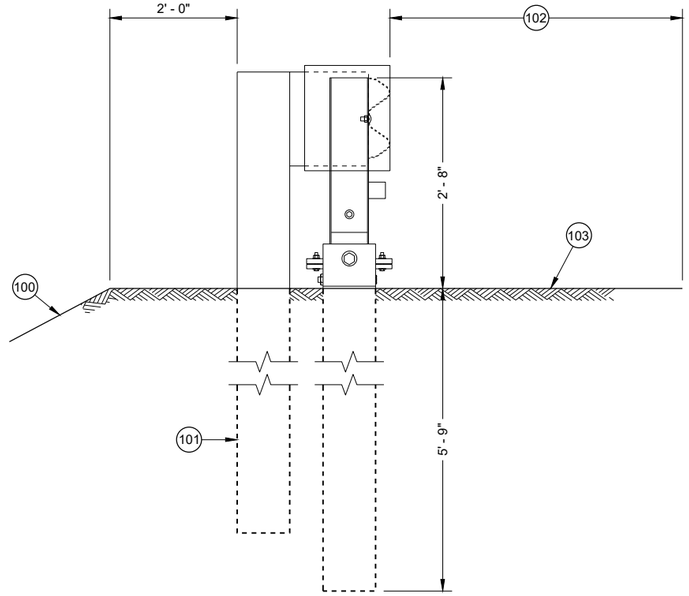
S.D.D. 14 B 45-5L

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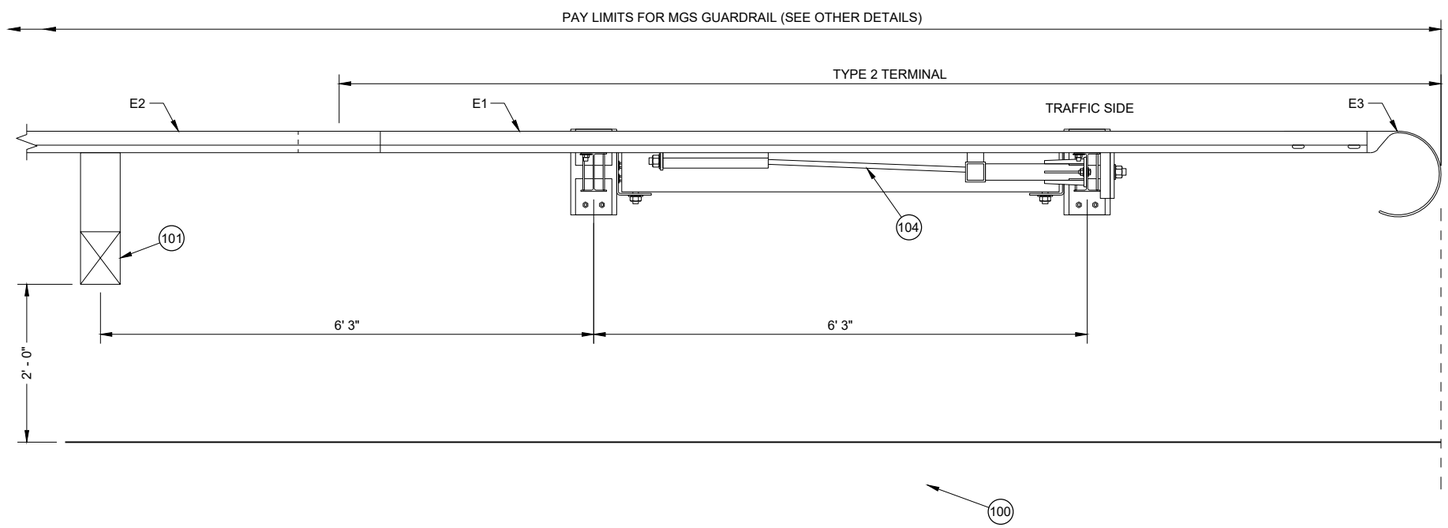
S.D.D. 14 B 45-5L



BACK VIEW
TYPE 2 TERMINAL



SIDE VIEW
TYPE 2 TERMINAL



TOP VIEW
TYPE 2 TERMINAL

GENERAL NOTES

(100) MAXIMUM SLOPE IS 2.5:1.

(101) SEE SDD 14B42 FOR MORE INFORMATION.

(102) SHOULDER

(103) MAXIMUM SLOPE IS 10:1.

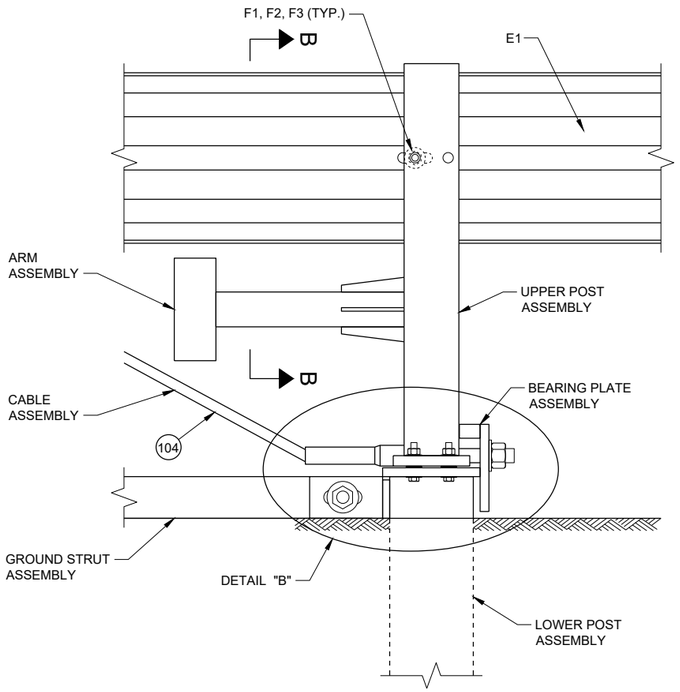
(104) AFTER ASSEMBLY, CABLE IS TO BE TIGHTENED WITHOUT TWISTING THE CABLE.

MIDWEST GUARDRAIL SYSTEM (MGS)
TYPE 2 TERMINAL

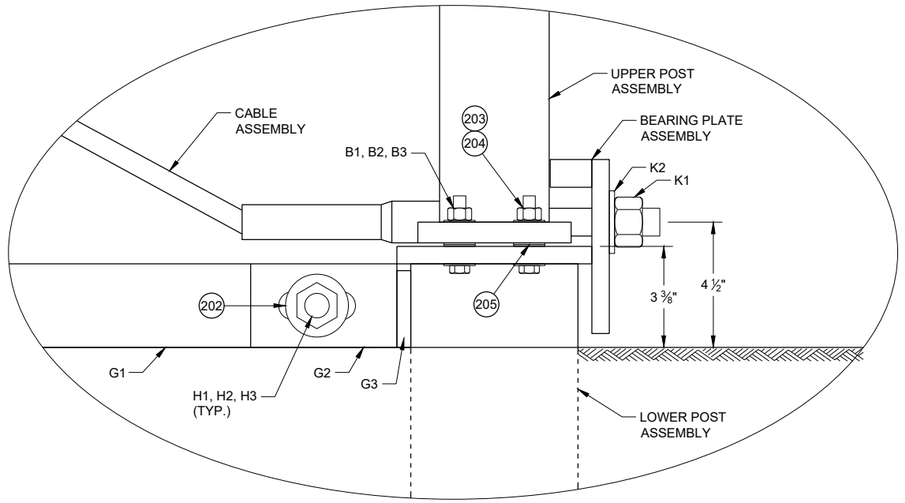
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

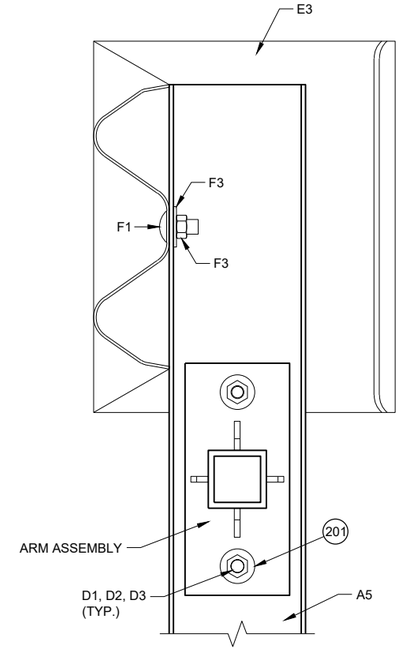
SDD 14B47 - 05a



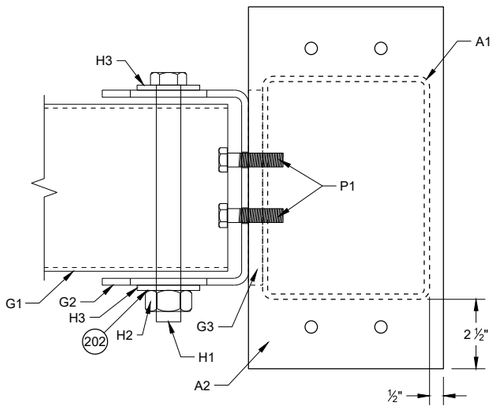
DETAIL "A"



DETAIL "B"

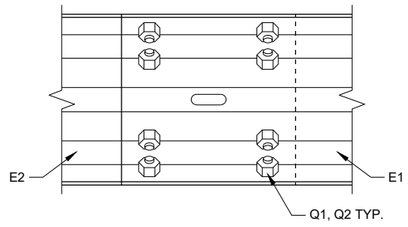


SECTION B - B



TOP VIEW

GROUND STRUT CONNECTION DETAIL



DETAIL "C"

GENERAL NOTES

200 INSTALL ONE WASHER UNDER BOLT HEAD AND RAIL AND ON WASHER BETWEEN NUT AND ANCHOR BRACKET ASSEMBLY.

201 INSTALL ONE WASHER UNDER BOLT HEAD AND UPPER POST ASSEMBLY AND ONE WASHER BETWEEN NUT AND ARM PLATE.

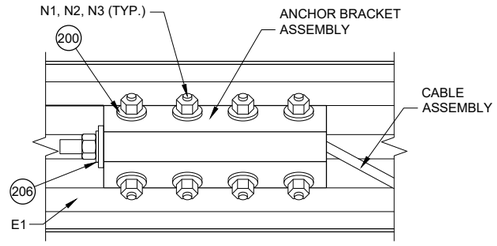
202 INSTALL ONE WASHER UNDER BOLT HEAD AND GROUND STRUT CONNECTOR AND ONE WASHER BETWEEN NUT AND GROUND STRUT CONNECTOR.

203 INSTALL ONE WASHER UNDER BOLT HEAD AND LOWER POST ASSEMBLY AND ONE WASHER BETWEEN NUT AND UPPER POST ASSEMBLY.

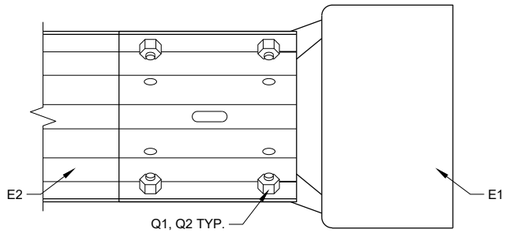
204 TORQUE VALUE IS BETWEEN 60 - 75 FT-LB.

205 TWO WASHERS BETWEEN UPPER AND LOWER POST ASSEMBLY.

206 INSTALL ONE WASHER BETWEEN NUT AND ANCHOR BRACKET ASSEMBLY.



DETAIL "D"



DETAIL "E"

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

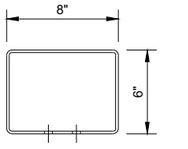
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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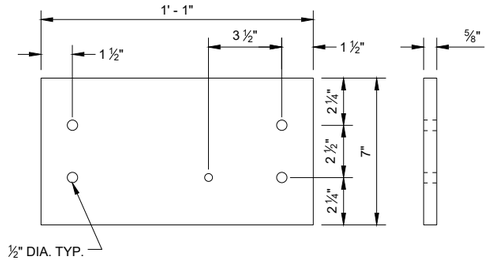
SDD 14B47 - 05b

GENERAL NOTES

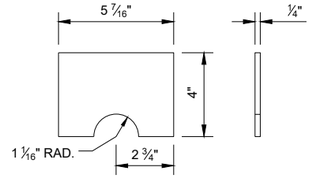
(300) TAP FOR 1/2" AFTER GALVANIZATION



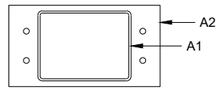
TOP VIEW



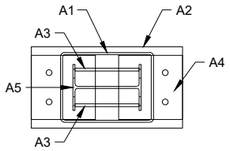
LOWER PLATE (A2)

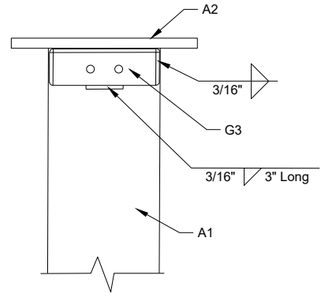


POST GUSSET (A3)

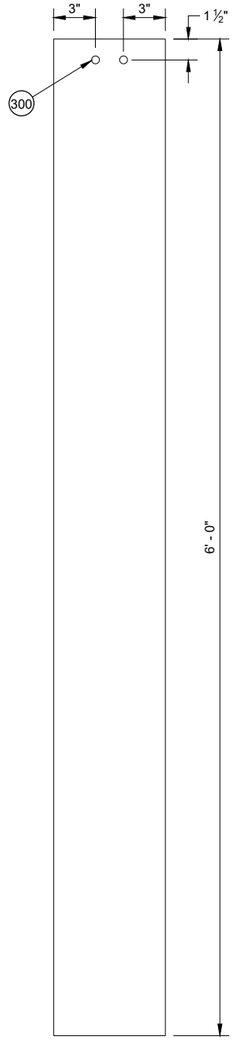


PLAN VIEW



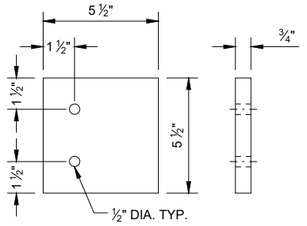


WELDING DETAIL
G3 AND A1

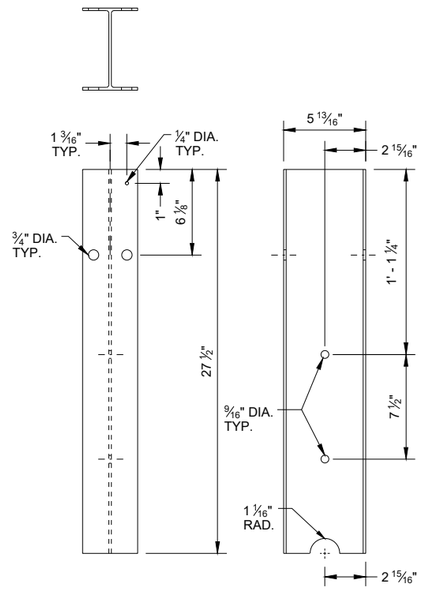


SIDE VIEW

FOUNDATION TUBE (A1)

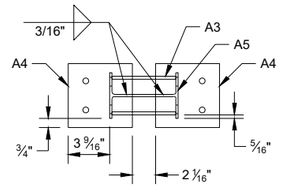


UPPER PLATE (A4)

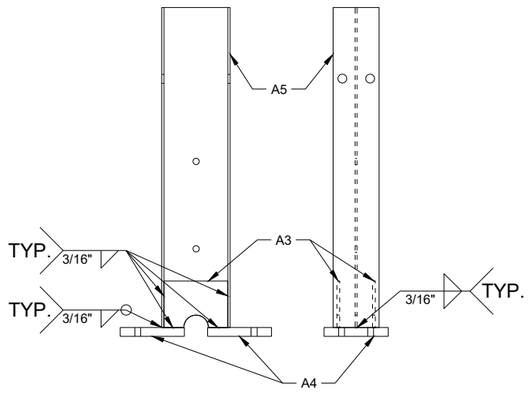


FRONT VIEW SIDE VIEW

TYPE 2 POST (A5)

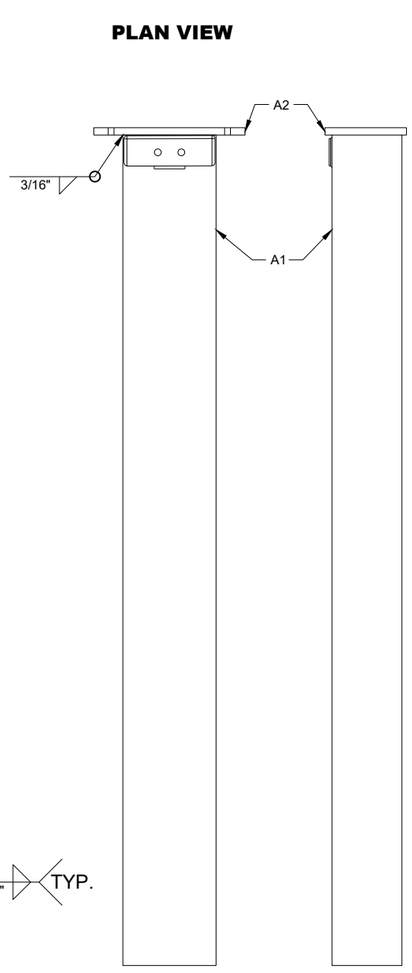


PLAN VIEW



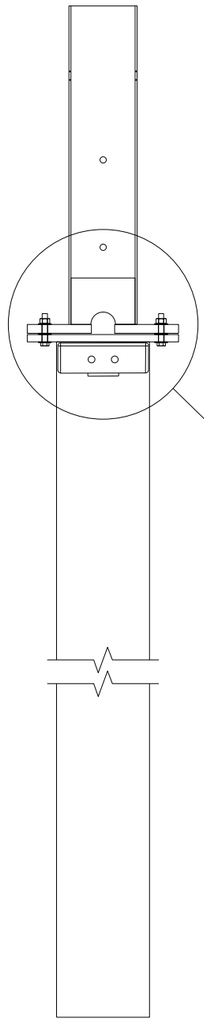
SIDE VIEW FRONT VIEW

UPPER POST ASSEMBLY

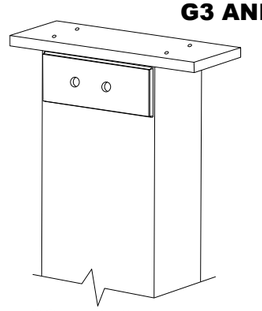


FRONT VIEW SIDE VIEW

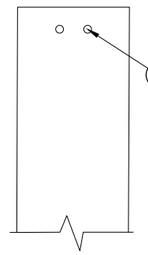
LOWER POST ASSEMBLY



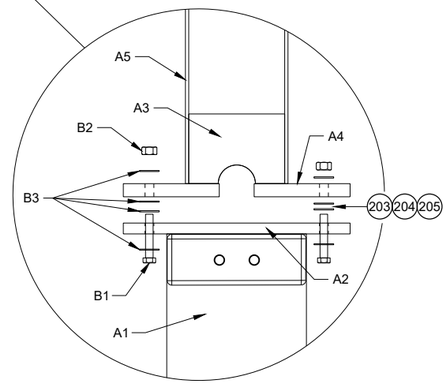
ASSEMBLED POST



ASSEMBLY DETAIL
ISOMETRIC



A1



POST CONNECTION DETAIL

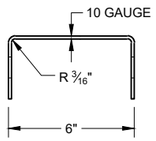
MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

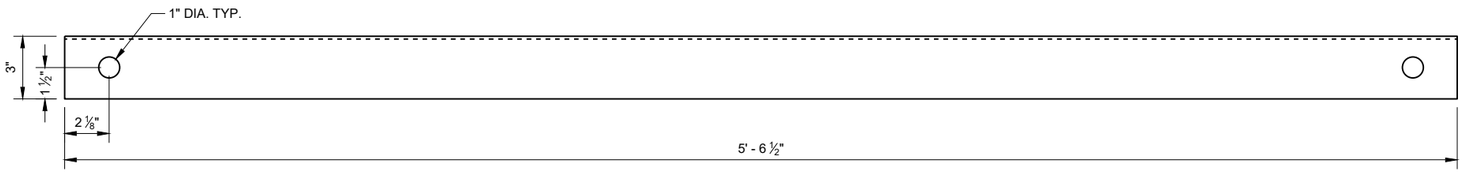
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SDD14B47 - 05c

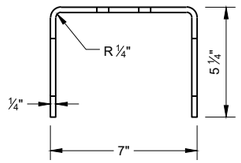


SIDE VIEW

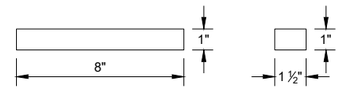


FRONT VIEW

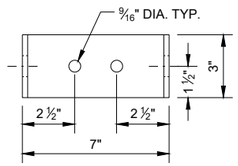
GROUND STRUT CHANNEL (G1)



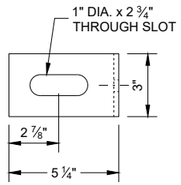
TOP VIEW



BEARING PLATE FLANGE (L2)

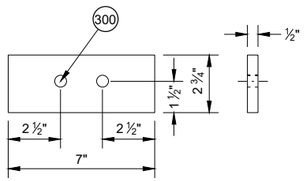


FRONT VIEW

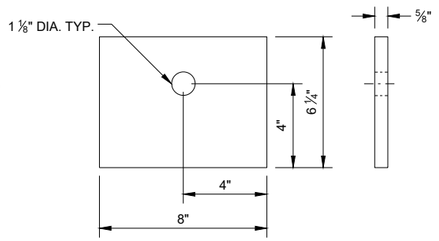


SIDE VIEW

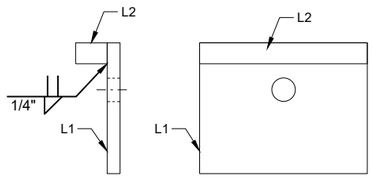
GROUND STRUT CONNECTOR (G2)



GROUND STRUT PLATE (G3)

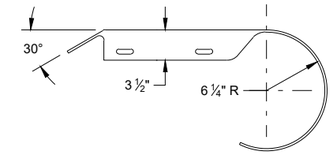


BEARING PLATE (L1)

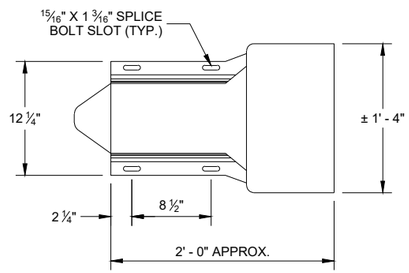


SIDE VIEW FRONT VIEW

BEARING PLATE ASSEMBLY

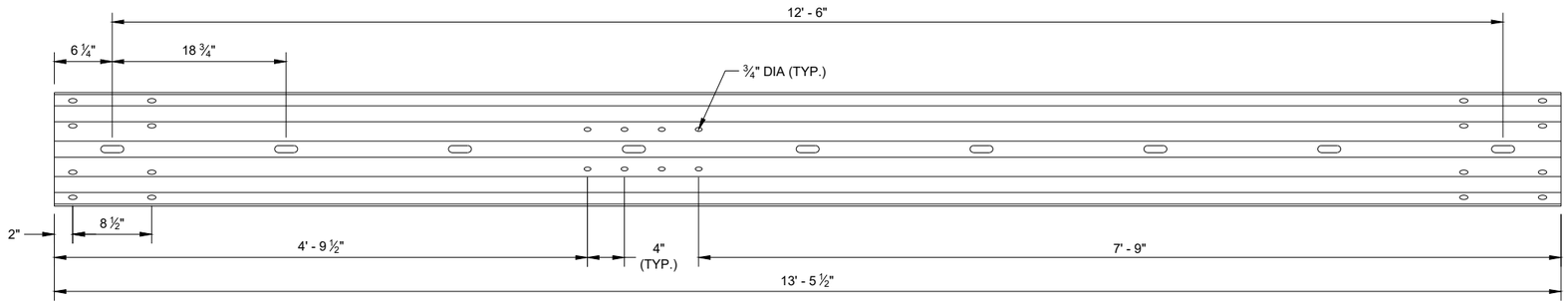


PLAN VIEW

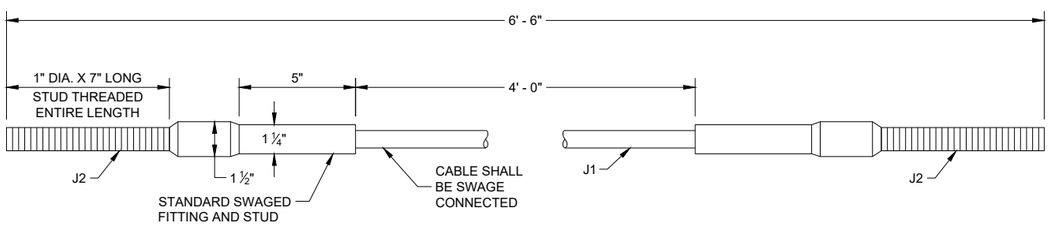


ELEVATION VIEW

ROUNDED BUFFER END (E3)



TYPE 2 GUARDRAIL (E1)



CABLE ASSEMBLY

6

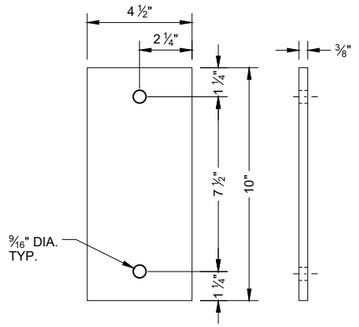
SDD 14B47 - 05d

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

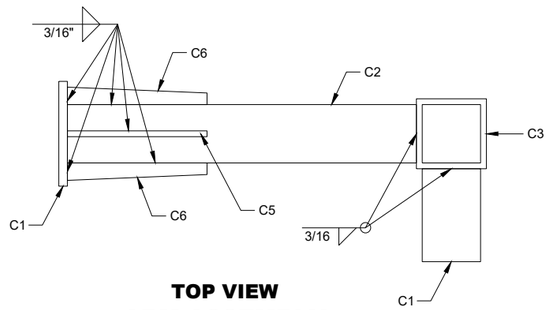
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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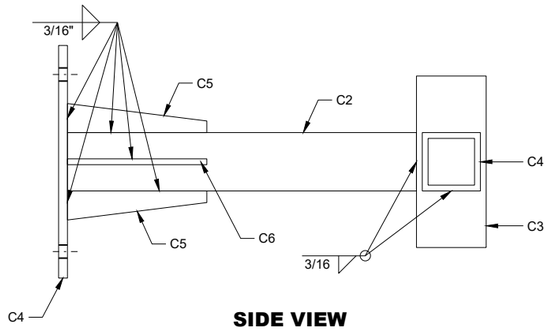
SDD 14B47 - 05d



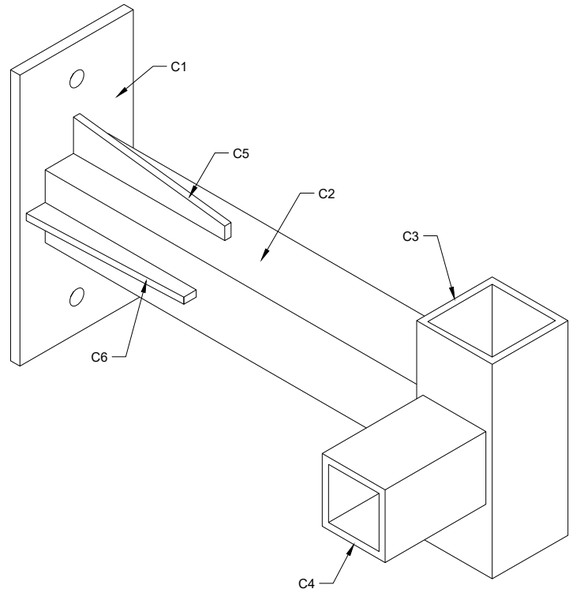
ARM PLATE (C1)



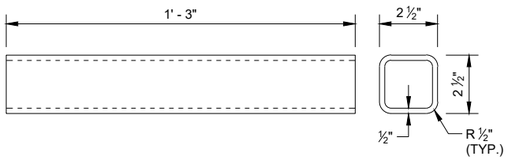
TOP VIEW
ARM ASSEMBLY



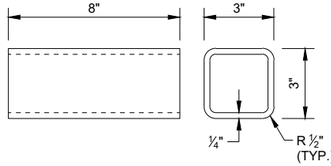
SIDE VIEW
ARM ASSEMBLY



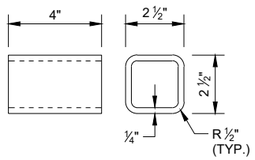
ISOMETRIC VIEW
ARM ASSEMBLY



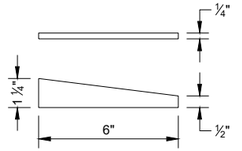
ARM TUBE 1 (C2)



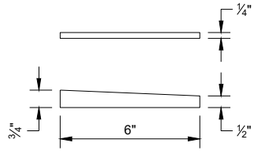
ARM TUBE 2 (C3)



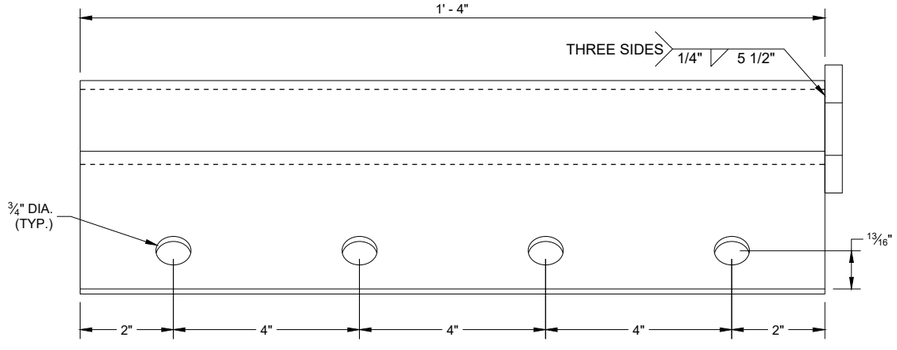
ARM TUBE 3 (C4)

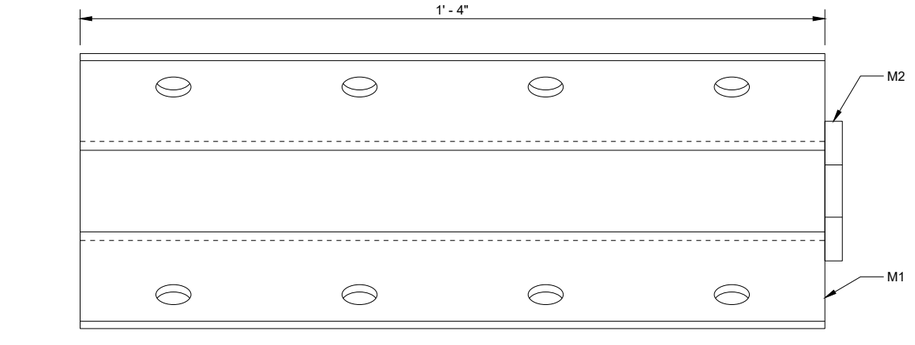


ARM GUSSET PLATE 1 (C5)

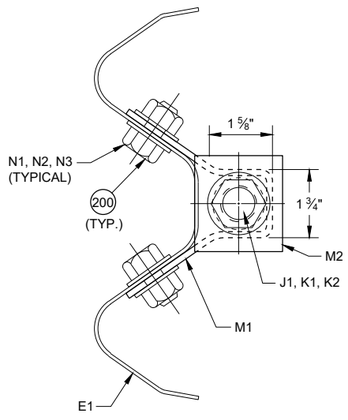


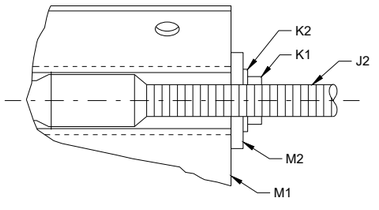
ARM GUSSET PLATE 2 (C6)



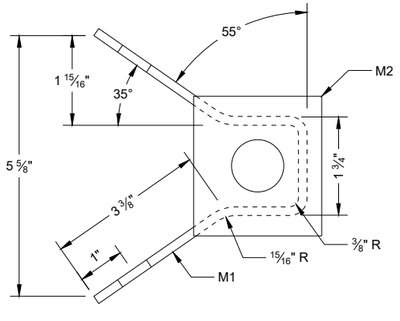


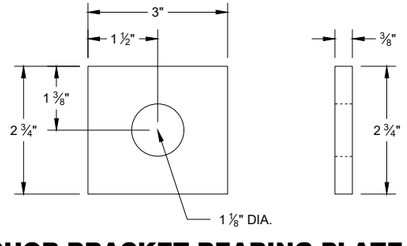
ANCHOR BRACKET (M1, M2)





SECTION A - A





ANCHOR BRACKET BEARING PLATE (M2)

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 14B47 - 05e

BILL OF MATERIALS - TYPE 2 TERMINAL (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
A1	TYPE 2 FOUNDATION TUBE	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 8" x 6" x 3/16"
A2	LOWER PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	5/8" THICKNESS
A3	POST GUSSET	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/4" THICKNESS
A4	UPPER PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	3/4" THICKNESS
A5	TYPE 2 POST	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI, w6x9 or w6x8.5	
B1	BREAKAWAY BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD ASTM F3125 GRADE A325 TYPE 1 HEAVY HEX HEAD OR SAE J429 GRADE 5 HEAVY HEX HEAD / ASTM A449 TYPE 1 HEAVY HEX HEAD. BOLTS MAY BE FULLY THREADED . PROVIDE ENOUGH THREADING FOR PROPER TIGHTENING OF BOLT.	7/16" DIA.
B2	BREAKAWAY BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	7/16" DIA.
B3	BREAKAWAY BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291/ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
C1	ARM ASSEMBLY PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	3/8" THICKNESS
C2	ARM ASSEMBLY TUBE 1	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 8" x 6" x 3/16"
C3	ARM ASSEMBLY TUBE 2	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 3" x 3" x 1/4"
C4	ARM ASSEMBLY TUBE 3	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 2 1/2" x 2 1/2" X 1/4"
C5	ARM ASSEMBLY GUSSET PLATE 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/4" THICKNESS
C6	ARM ASSEMBLY GUSSET PLATE 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/4" THICKNESS
D1	ARM ASSEMBLY BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	1/2" DIA.
D2	ARM ASSEMBLY WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	1/2" DIA.
D3	ARM ASSEMBLY NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	1/2" DIA.
E1	TYPE 2 GUARD RAIL	AASHTO M180 CLASS A TYPE 2 12 GAUGE APPROVED PRODUCER	
E2	BEAM GUARD RAIL	AASHTO M180 CLASS A TYPE 2 12 GAUGE APPROVED PRODUCER	
E3	BEAM GUARD ROUNDED BUFFER END	AASHTO M180 CLASS A TYPE 2 12 GAUGE APPROVED PRODUCER	
F1	POST BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC UNC HEAVY HEX HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	5/8" DIA.
F2	POST BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	5/8" DIA.
F3	POST BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291/ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
G1	GROUND STRUT CHANNEL	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/2" x 11 3/4" x 10 GAUGE
G2	GROUND STRUT CONNECTOR	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/4" THICKNESS
G3	GROUND STRUT PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/2" THICKNESS

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 14B47 - 05f

BILL OF MATERIALS - TYPE 2 TERMINAL (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
H1	GROUND STRUT BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	7/8" DIA.
H2	GROUND STRUT BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	7/8" DIA.
H3	GROUND STRUT BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD 5/8" ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	
J1	BCT CABLE	AASHTO M30 / ASTM A741 6 x 19 INDEPENDENT WIRE CORE (IWRC) IMPROVED PLOW STEEL (IPS), 6 x 19 INDEPENDENT WIRE CORE (IWRC) IMPROVED PLOW STEEL (IPS) TYPE II OR IIC, CLASS C ZINC COATED MIN. BREAKING STRENGTH OF 42.7 KIPS	**3/4" DIA.**
J2	BCT CABLE	UNC 1" ASTM A576 GRADE 1035 SWAGE FITTINGS ARE TO BE FACTORY SWEDGED. MIN BREAKING STRENGTH OF 42.7 KIPS ASME B30.26 "FORGED, CAST, OR DIE STAMPED WITH THE FOLLOWING IN TO CONNECTION: NAME OF MANUFACTURE OR TRADEMARK OF CONNECTION'S MANUFACTURER, SIZE OR RATED LOAD, GRADE FOR ALLOY EYEBOLTS."	
K1	CABLE ASSEMBLY NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	1" DIA.
K2	CABLE ASSEMBLY WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1	1" DIA.
L1	BEARING PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	5/8" THICKNESS
L2	BEARING PLATE FLANGE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1" THICKNESS
M1	BEAM GUARD ANCHOR BRACKET	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	
M2	BEAM GUARD ANCHOR END PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	3/8" THICKNESS
N1	ANCHOR BRACKET BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC AASHTO M180 HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	5/8" DIA.
N2	ANCHOR BRACKET BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	5/8" DIA.
N3	ANCHOR BRACKET BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 /ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
P1	FOUNDATION TUBE BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	1/2" DIA.
Q1	SPLICE BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC AASHTO M180 HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	
Q2	SPLICE NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	5/8" DIA.

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SDD 14B47 - 05g

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

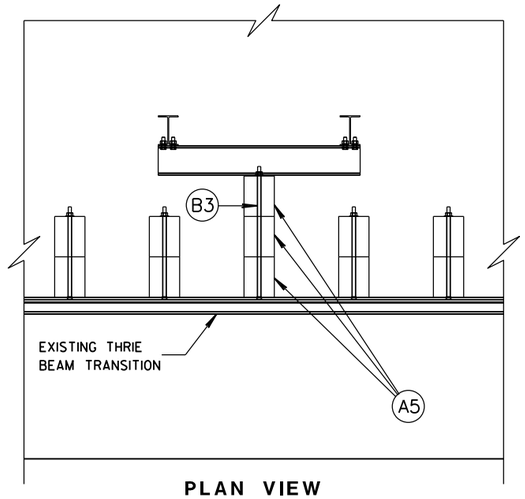
May 2023
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

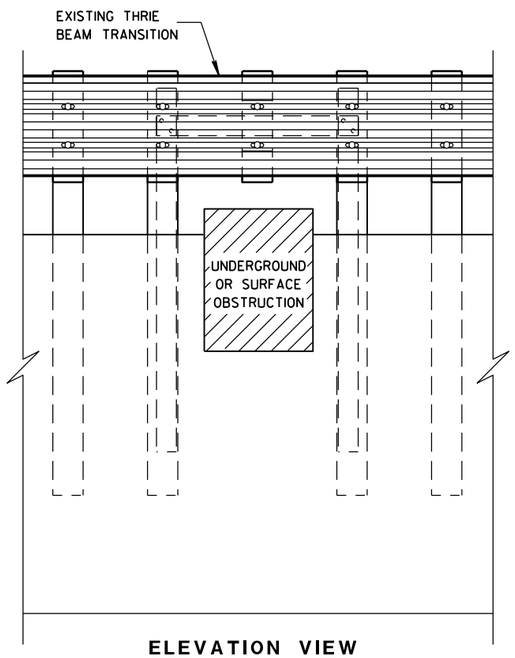
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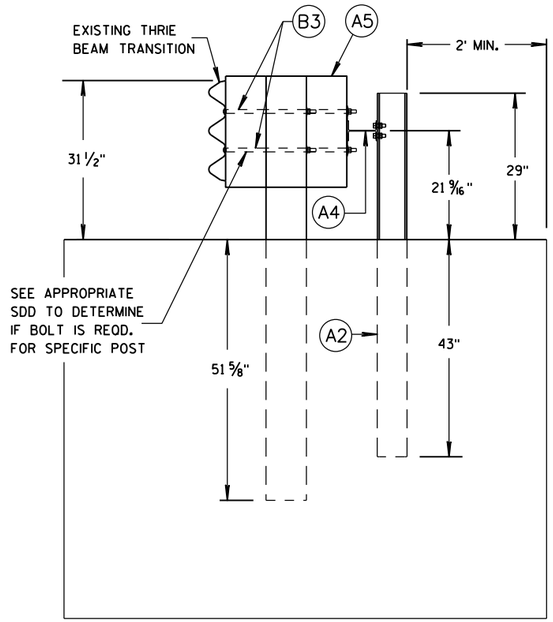
SDD 14B47 - 05g



PLAN VIEW



ELEVATION VIEW



SIDE VIEW

72" MISSING POST CROSS-BEAM

GENERAL NOTES

ONLY ONE SUCH POST RETROFIT PER SYSTEM.

SEE SDD 14B20 FOR MORE INFORMATION ON THE THRIE BEAM TRANSITIONS.

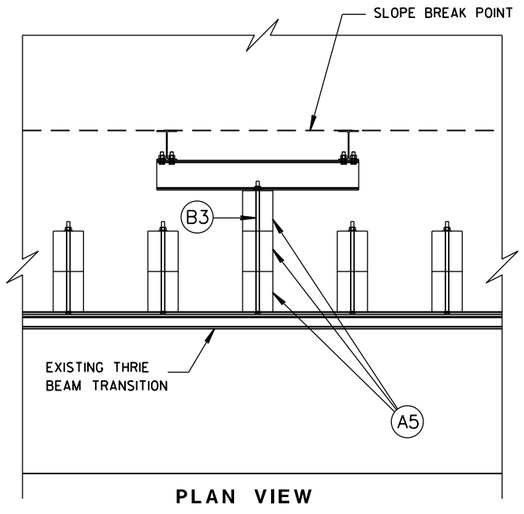
IF ROCK IS ENCOUNTERED, REMOVE ROCK TO FULL DEPTH OF POST PLUS 2½-INCHES AND 12-INCHES IN DIAMETER AROUND POST. SEE SDD 14B20 OR 14B45 FOR MORE DETAILS.

ONLY STEEL POST CAN BE USED.

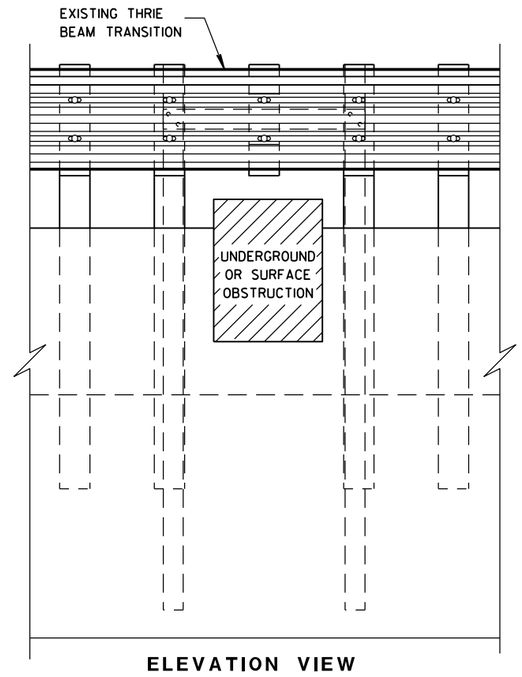
BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN ALL HARDWARE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH.

ONLY ONE WASHER AND ONE NUT CAN BE INSTALLED AT A CONNECTION. CUT THREADING OF BOLTS SO THAT NO MORE THAN ¼-INCH TO ½-INCH OF THREADING IS BEYOND THE NUT.

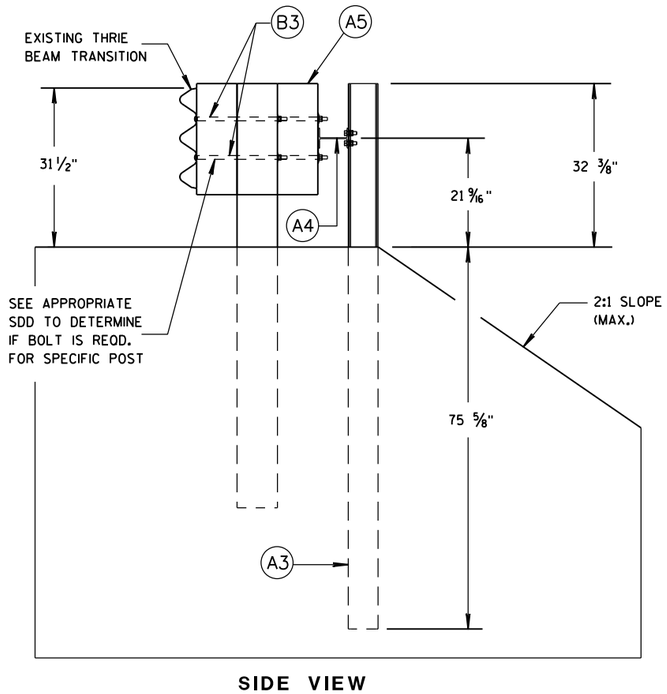
WHEN USING APPROACH RETROFIT POST BID ITEM, REVIEW SDD 14B20 INSTALL POST INFORMATION AND LOCATION, BLOCK AND HARDWARE.



PLAN VIEW



ELEVATION VIEW



SIDE VIEW

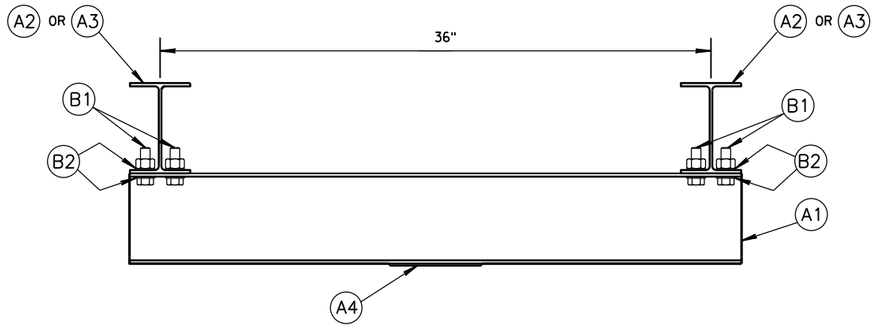
108" MISSING POST CROSS-BEAM

THRIE BEAM APPROACH
RETROFIT INSTALLATION
OF MISSING POST

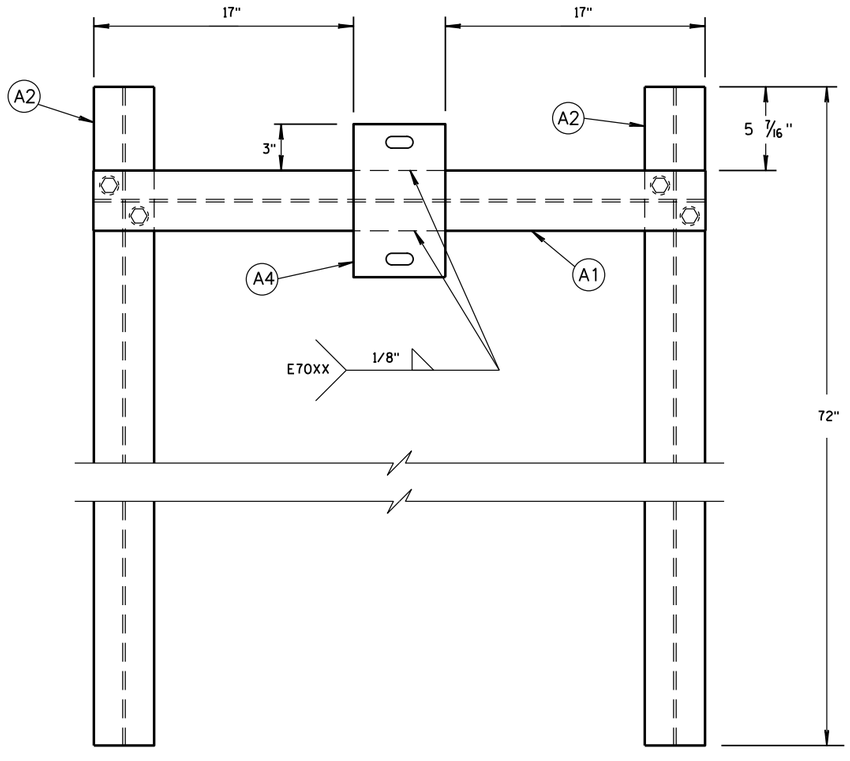
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S.D.D. 14 B 50-1a

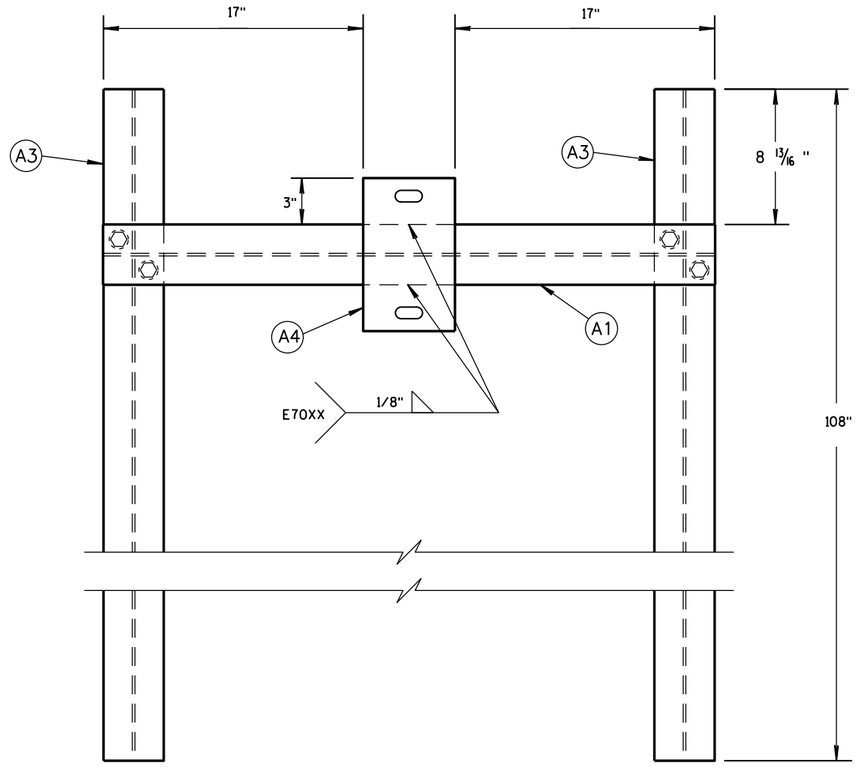


PLAN VIEW



ELEVATION VIEW

72" POST



ELEVATION VIEW

108" POST

MISSING POST CROSS-BEAM DETAIL

THRIE BEAM APPROACH
RETROFIT INSTALLATION
OF MISSING POST

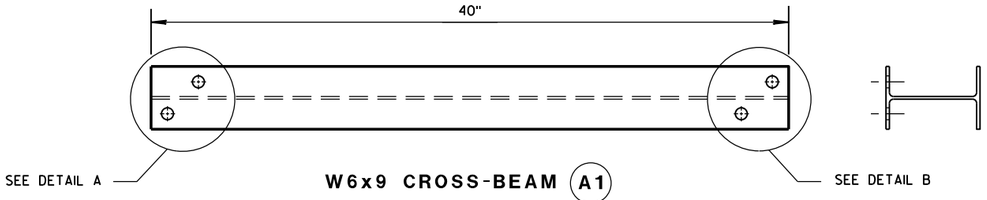
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 50-1b

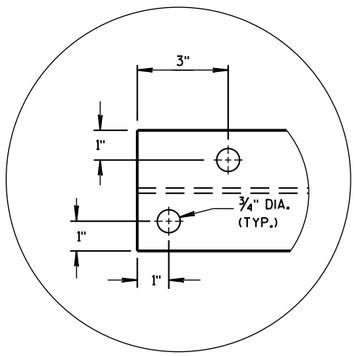
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S.D.D. 14 B 50-1b

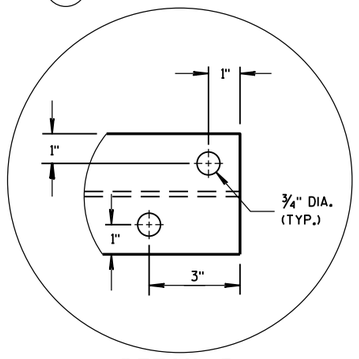


W6x9 CROSS-BEAM (A1)

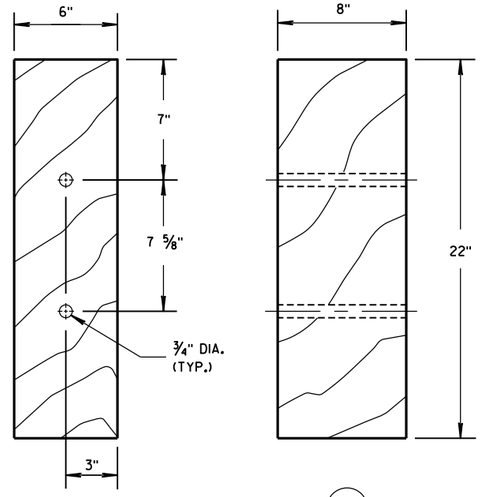
BILL OF MATERIALS			
ITEM NO.	QTY.	DESCRIPTION	MATERIAL SPECIFICATION
(A1)	1	40" LONG W6x9 CROSS-BEAM	ASTM A992 GR. 50 OR ASTM A36
(A2)	2	72" LONG W6x9 POST	ASTM A992 GR. 50 OR ASTM A36
(A3)	2	108" LONG W6x9 POST	ASTM A992 GR. 50 OR ASTM A36
(A4)	1	6" x 10" x 1/8" BACKUP PLATE	ASTM A992 GR. 50 OR ASTM A36
(A5)	3	6" x 8" x 22" BLOCKOUT	
(B1)	4	5/8" DIA. - HEX HEAD BOLT	BOLT: HEAVY HEX HEAD ASTM A307 OR SAE J429 GRADE 2 NUT: HEAVY HEX HEAD ASTM A563 A
(B2)	8	5/8" DIA. NARROW FLAT WASHER	ASTM F436
(B3)	2	LONG, 5/8" DIA. - POST BOLT AND NUT	BOLT: SAE J429 GRADE 2 OR ASTM A307 GRADE C OR ASTM F1554 GRADE 36 NUT: 5/8" DIA. ASTM A563 A DOUBLE RECESSED (DR) HEAVY HEX HEAD
(B4)	2	5/8" DIA. PLAIN ROUND WASHER	ASTM F844



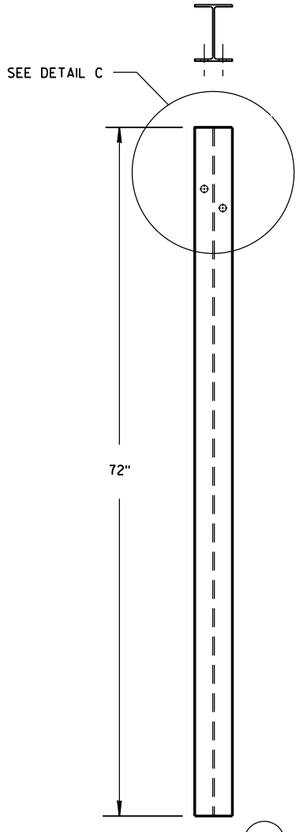
DETAIL A



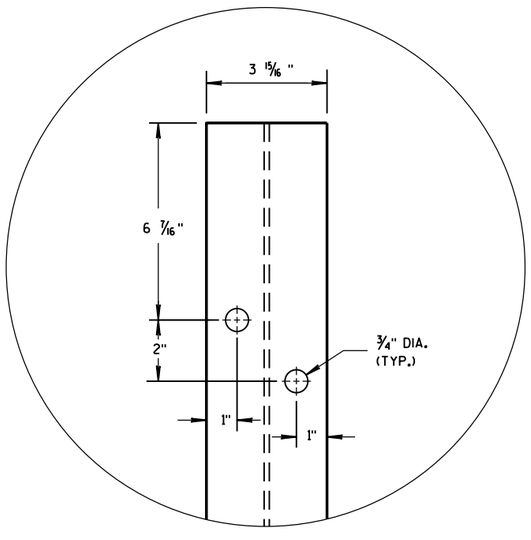
DETAIL B



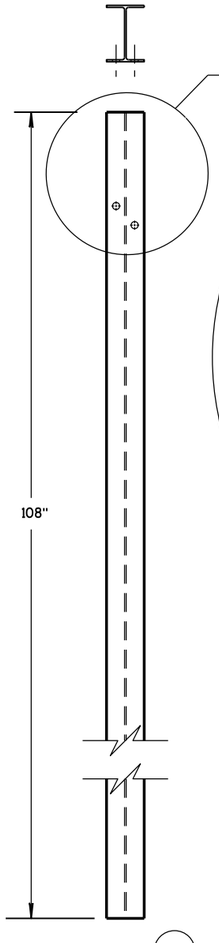
BLOCKOUT (A5)



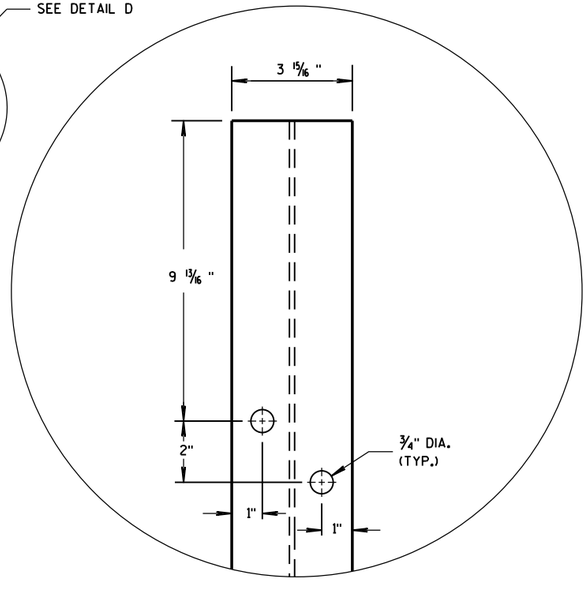
W6x9 POST (A2)



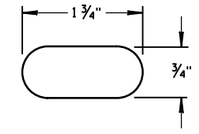
DETAIL C



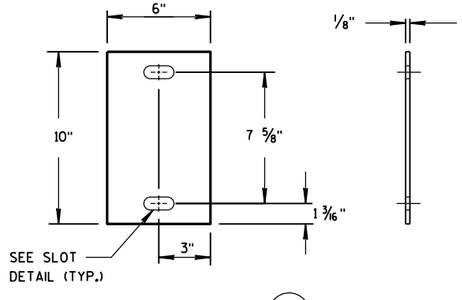
W6x9 POST (A3)



DETAIL D



SLOT DETAIL



BLACKUP PLATE (A4)

THRIE BEAM APPROACH
RETROFIT INSTALLATION
OF MISSING POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

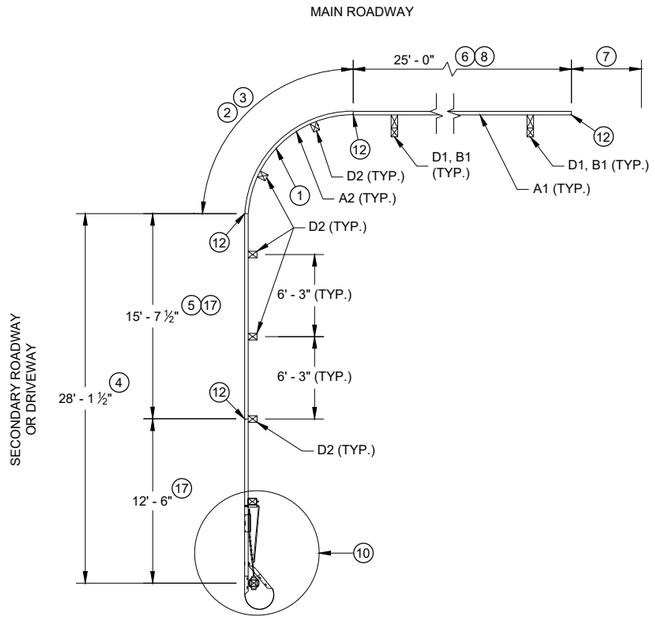
APPROVED
June 2014
DATE
/S/ Jerry H. Zoga
ROADWAY STANDARDS ENGINEER
437
FHWA

6

S.D.D. 14 B 50-1c

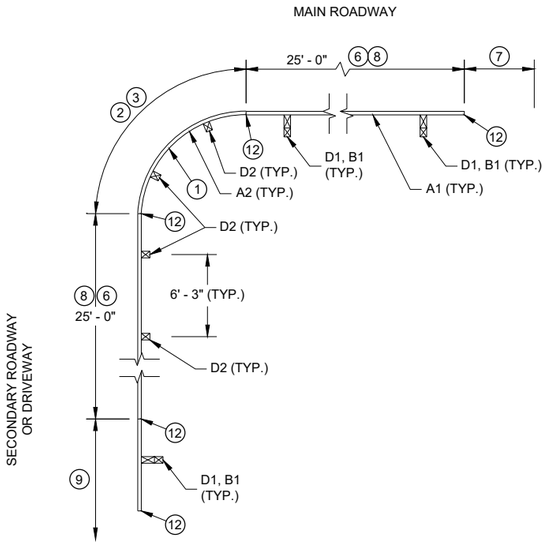
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S.D.D. 14 B 50-1c



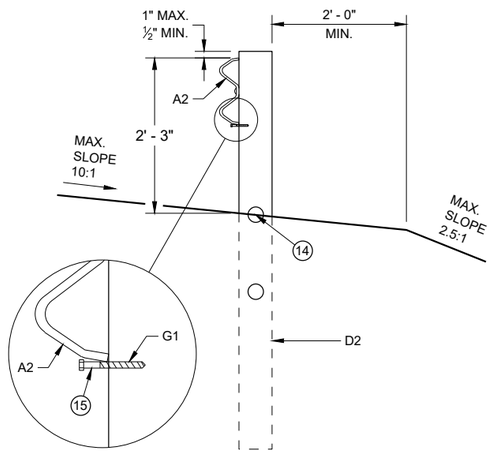
PLAN VIEW

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

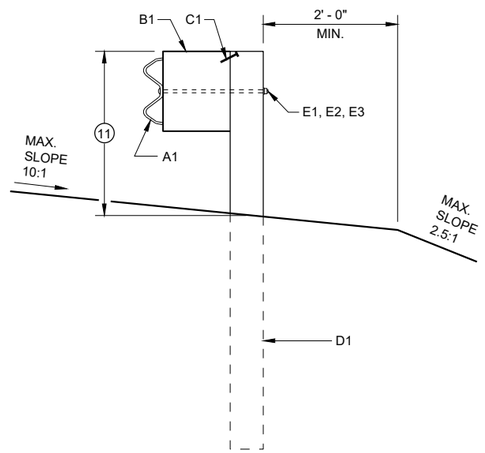


PLAN VIEW

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



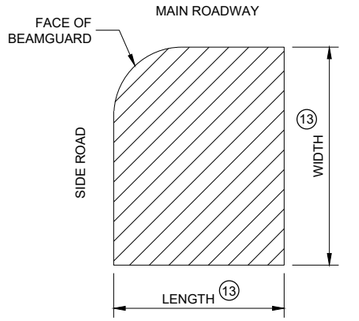
CONTROLLED RELEASE TERMINAL POST (CRT) IN RADIUS



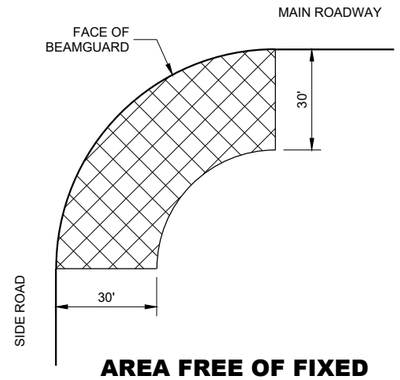
BEAM GUARD POSTS IN HEIGHT TRANSITION

TABLE FOR RADIUS OF 32' AND LESS

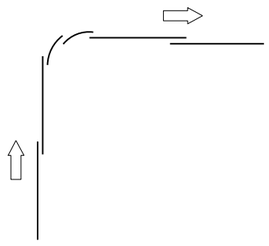
RADIUS (FT)	LENGTH (FT)	WIDTH (FT)
8	25	15
16	30	15
24	40	20
32	50	30



AREA FREE OF FIXED OBJECTS FOR RADIUS 32' AND LESS (16)



AREA FREE OF FIXED OBJECTS FOR RADIUS GREATER THAN 32'



LAP SPLICE DETAIL

GENERAL NOTES

SEE PLANS FOR OTHER BARRIER SYSTEM AND LOCATION SPECIFICS.

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

GALVANIZE PARTS AFTER FABRICATION.

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

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

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

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

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

DRAWINGS ARE NOT TO SCALE.

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

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

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

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

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

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

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

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

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

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

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

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

(13) SEE TABLE FOR VALUES.

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

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

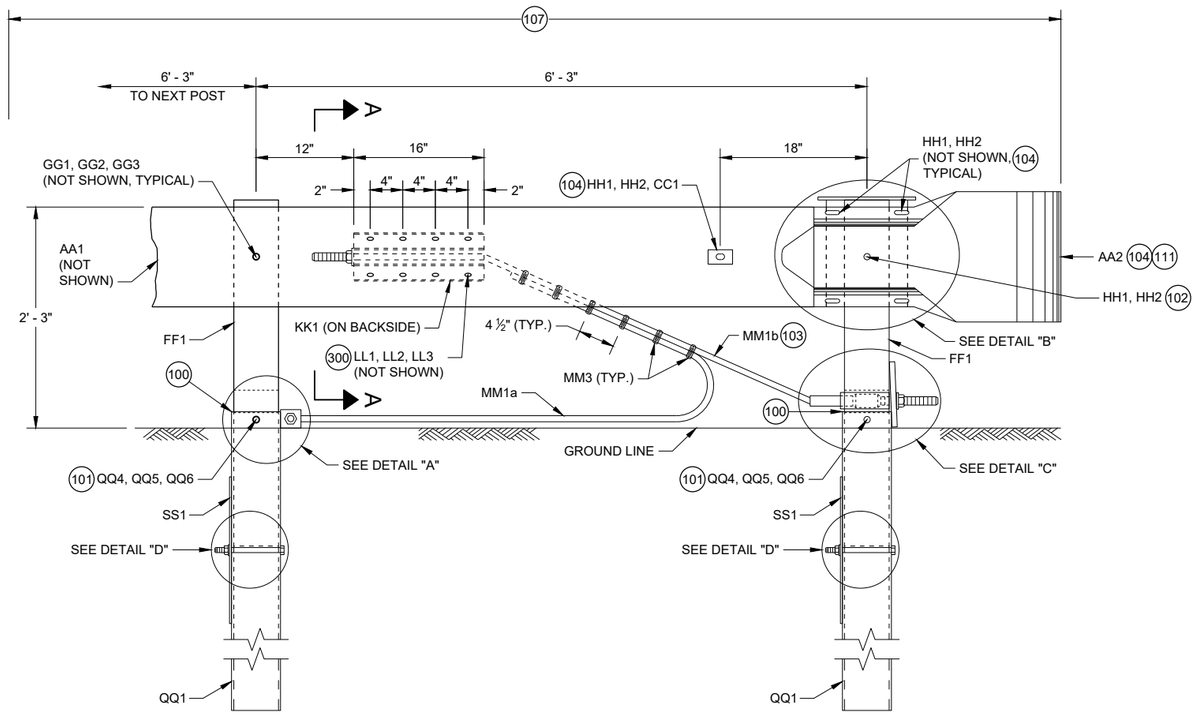
(16) SMALL SIGNS ON BREAKAWAY HARDWARE ARE ACCEPTABLE.

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

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

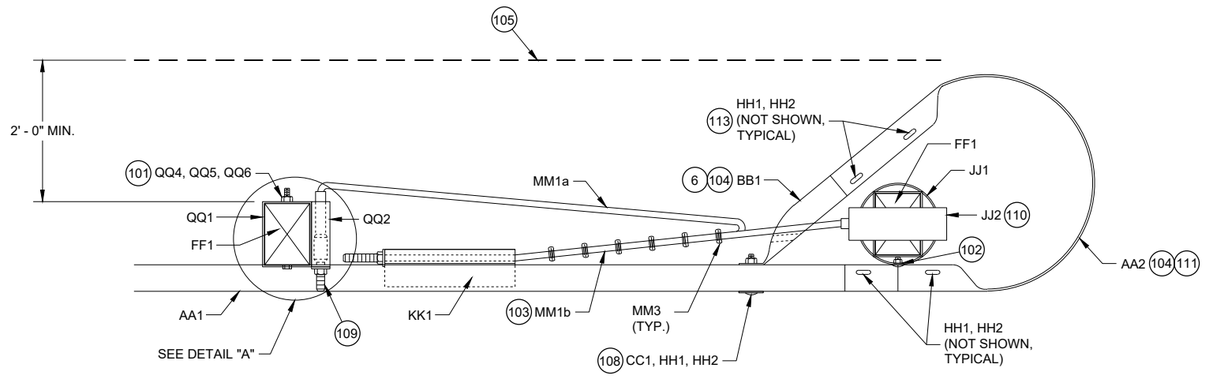
6

SDD 14B53 - 02a



PROFILE VIEW

SHORT RADIUS TERMINAL



TOP VIEW

SHORT RADIUS TERMINAL

GENERAL NOTES

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

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

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

103 CABLE IS TAUT.

104 ADJUST AA2 AND BB1 TO FIT.

105 BREAK POINT OF SHOULDER.

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

107 PAY LIMIT FOR BEAM GUARD.

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

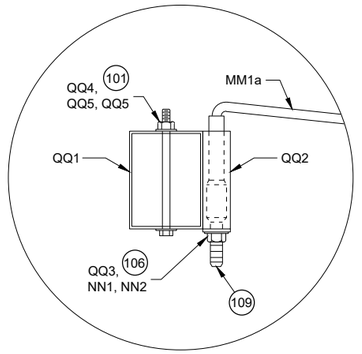
109 CUT OR PROVIDE THREADED STUD THAT IS FLUSH WITH FACE OF BEAM GUARD RAIL KK1 (PLUS OR MINUS ½" TOLERANCE). DEBURR AFTER CUTTING.

110 SEE STEEL PIPE ASSEMBLY DETAILS.

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

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

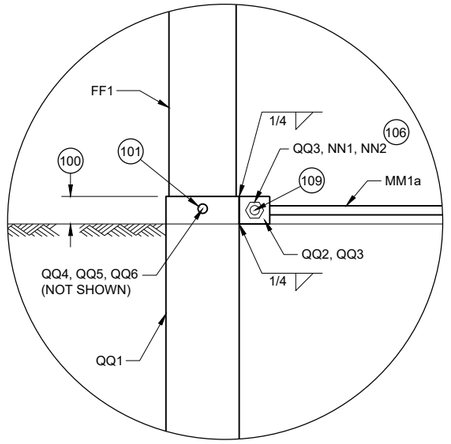
113 FOUR (4) HH1 AND HH2 REQUIRED TO ATTACH AA2 TO BB1.



TOP VIEW

DETAIL "A"

(WOOD BREAKAWAY AND BEAM GUARD RAIL POSTS NOT SHOWN)



PROFILE VIEW

DETAIL "A"

6

SDD 14B53 - 02b

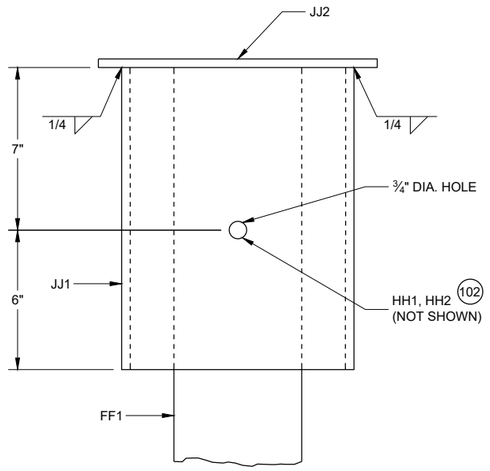
SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

6

SDD 14B53 - 02b

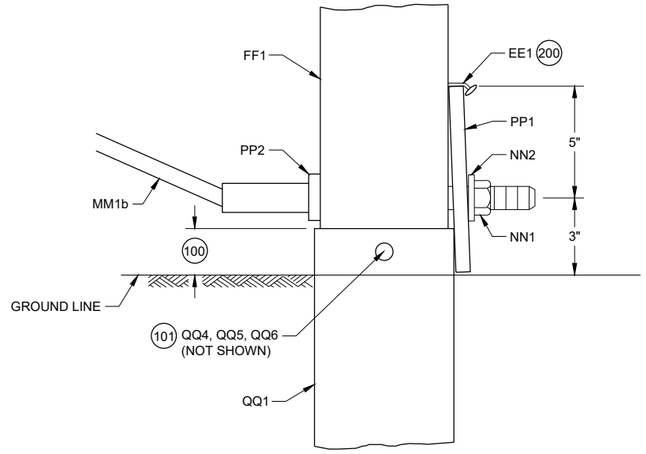
GENERAL NOTES

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



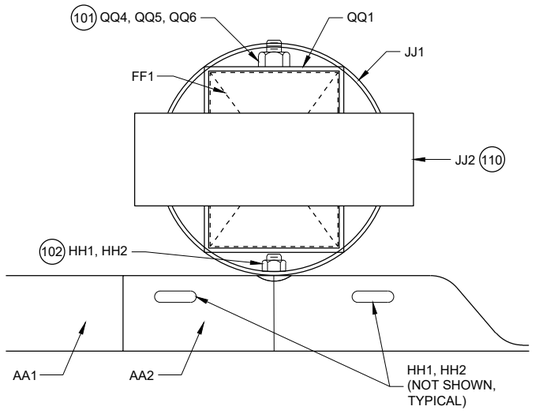
PROFILE VIEW

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



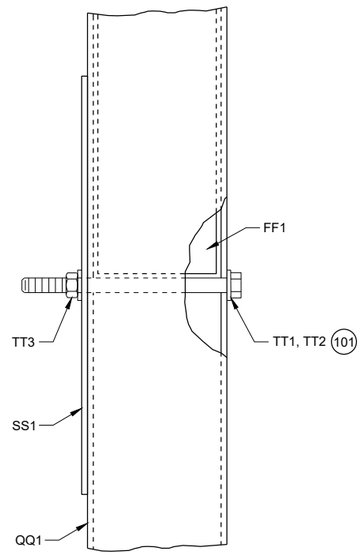
PROFILE VIEW

DETAIL "C"



PLAN VIEW

DETAIL "B"
STEEL PIPE ASSEMBLY



PROFILE VIEW

DETAIL "D"

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

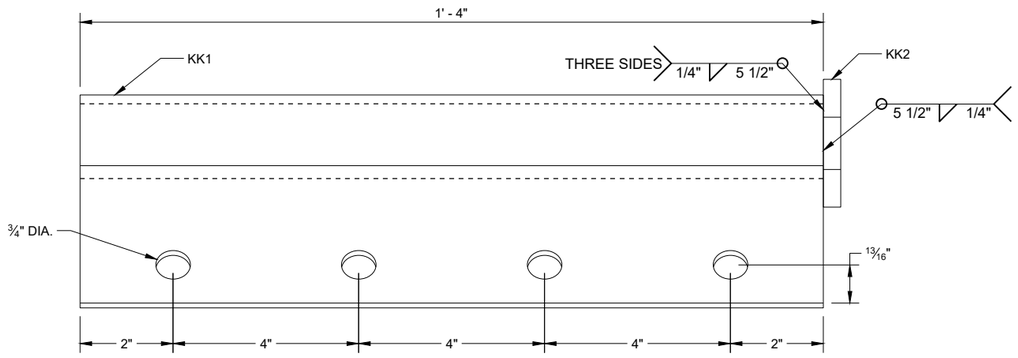
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

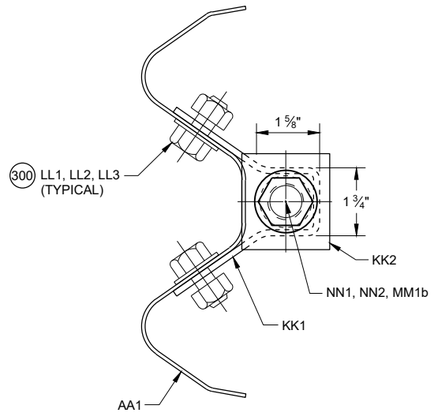
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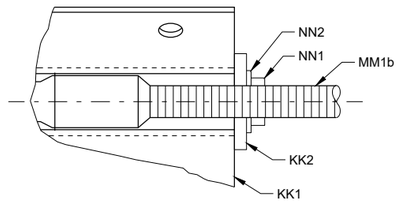
SDD 14B53 - 02c

GENERAL NOTES

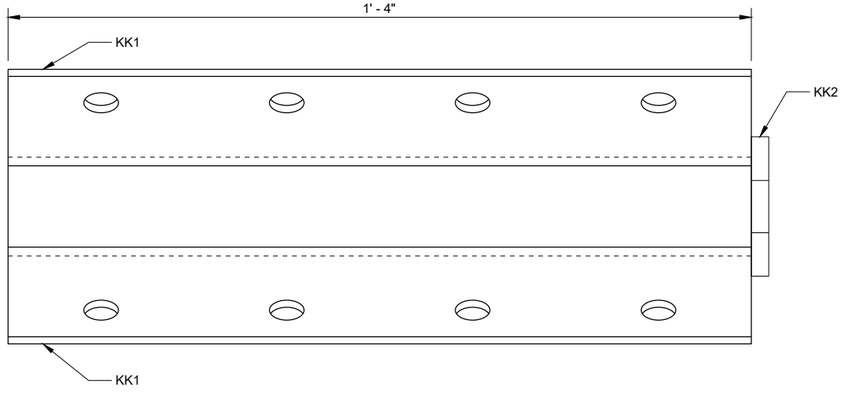
(300) WASHERS REQUIRED BETWEEN BOLT HEAD AND BEAM GUARD RAIL AND BETWEEN NUT AND ANCHOR BRACKET. EIGHT (8) LL1 AND LL3 REQUIRED. SIXTEEN (16) LL2 REQUIRED.

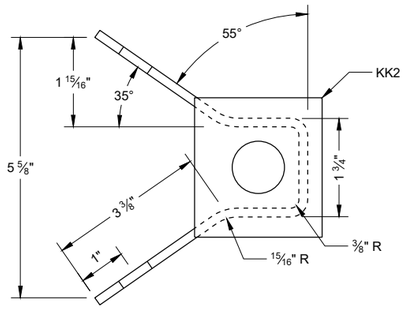




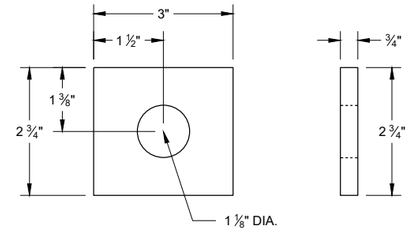


SECTION A - A





ANCHOR BRACKET (KK1, KK2)



ANCHOR BRACKET BEARING PLATE (KK2)

6

SDD 14B53 - 02d

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

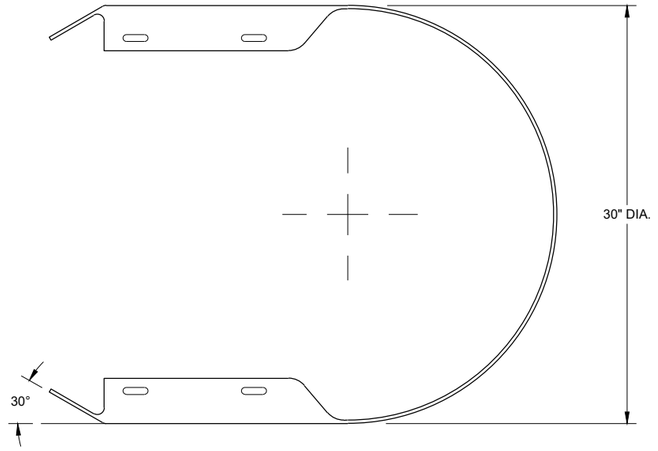
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SDD 14B53 - 02d

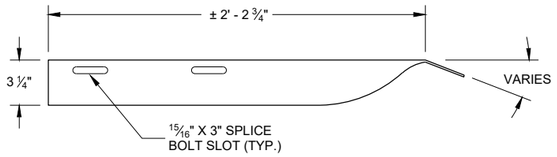
GENERAL NOTES

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

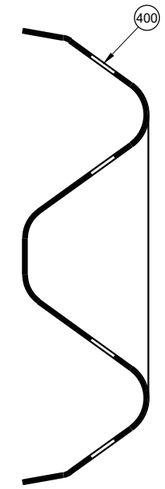
(401) CROSS SECTION OF PART IS TO FIT OVER OR UNDER AA1 .



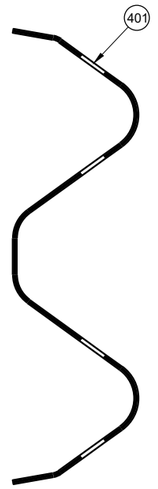
TOP VIEW



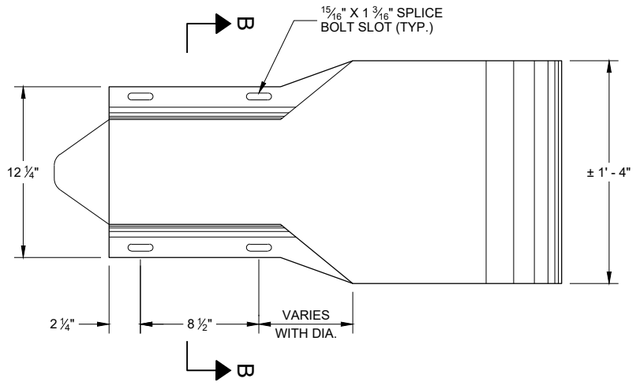
TOP VIEW



SECTION B -B

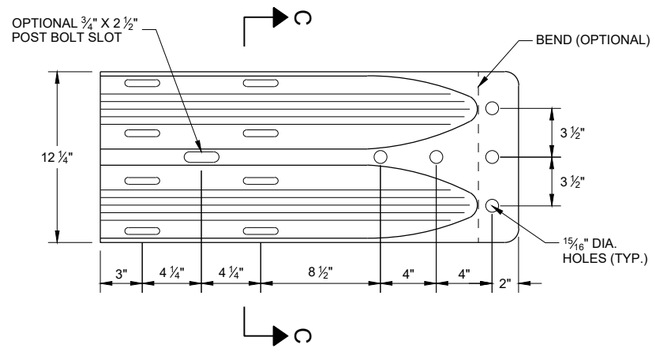


SECTION C -C



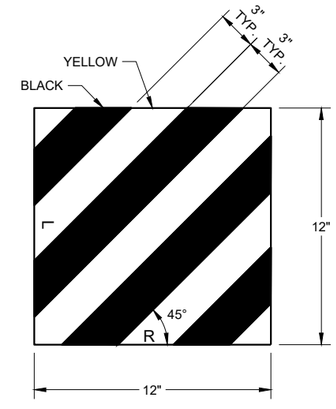
PROFILE VIEW

W BEAM
END SECTION BUFFER (AA2)



PROFILE VIEW

W BEAM
TERMINAL CONNECTOR (BB1)



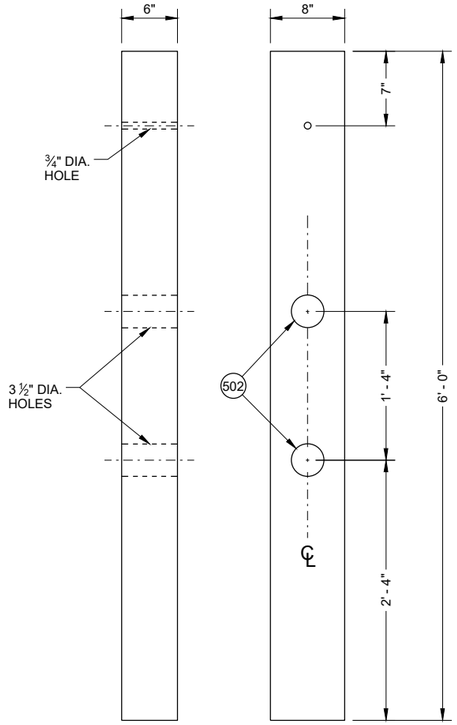
REFLECTIVE SHEETING (UU1, UU2)

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

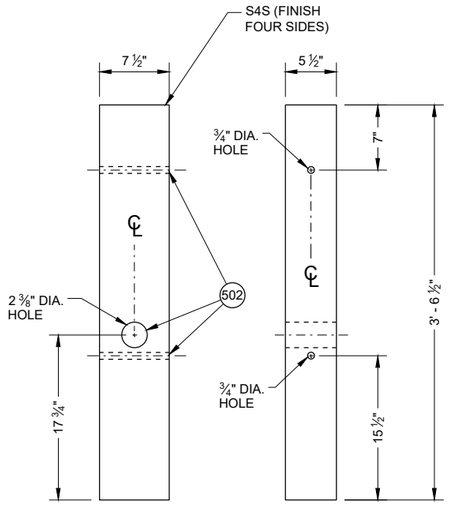
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SDD 14B53 - 02e



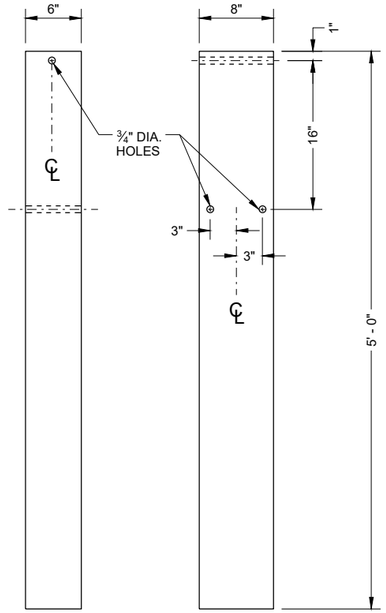
FRONT VIEW SIDE VIEW

CONTROLLED RELEASE POST (CRT) (DD2)



FRONT VIEW SIDE VIEW

WOOD BREAKAWAY POST (FF1)



FRONT VIEW SIDE VIEW

FOUNDATION TUBE (QQ1) (500)

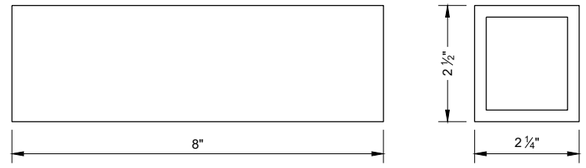
GENERAL NOTES

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

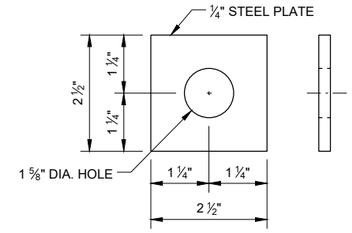
(501) FOR MM1a THREADED STUD ONLY REQUIRED ON ONE END. SWAGED FITTING REQUIRED.

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

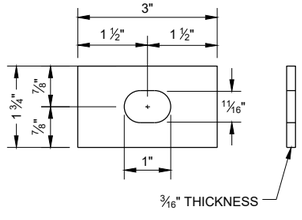
(503) MM1a MAY HAVE ONE THREADED STUD 4 INCHES LONG. SEE NOTE (109).



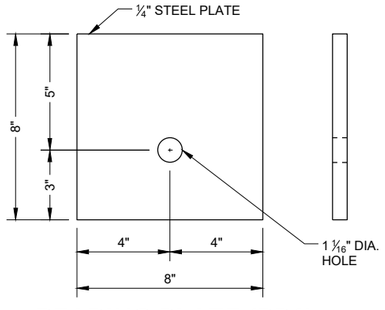
FOUNDATION TUBE - ANCHOR CABLE TUBE (QQ2)



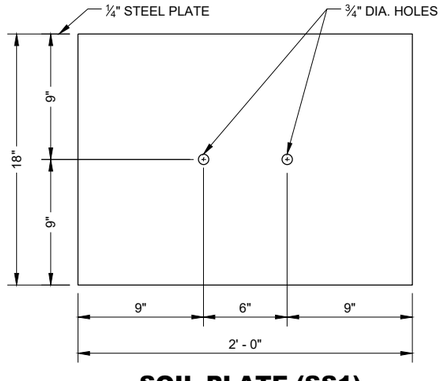
ANCHOR CABLE TUBE END PLATE (QQ3)



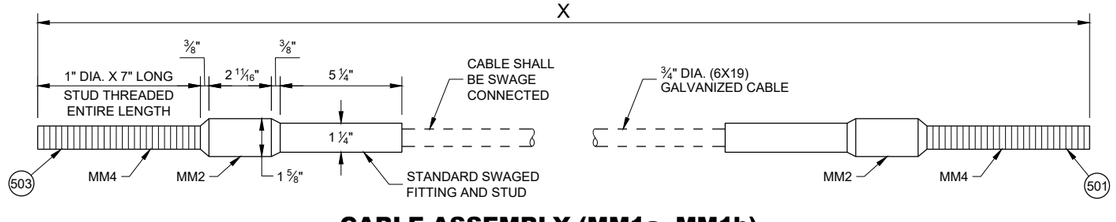
RECTANGULAR PLATE WASHER (CC1)



BEARING PLATE (PP1)



SOIL PLATE (SS1)



CABLE ASSEMBLY (MM1a, MM1b)

"X" LENGTH

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

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

BILL OF MATERIALS - SHORT RADIUS BEAM GUARD (MGS)

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

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

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SDD 14B53 - 02g

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

BILL OF MATERIALS - SHORT RADIUS BEAM GUARD (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
GG3	POST BOLT - NUT	ASTM A563 GRADE A	⅜" DIA. SEE 14B42 FOR GEOMETRY
		AASHTO M180 DOUBLE RECESSED HEAVY HEX HEAD	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		ASTM A563 GRADE A HEAVY HEX HEAD	
HH1	SPLICE BOLT	GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	⅜" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		ASTM A307 GRADE A OR SAE J429 GRADE 2	
		UNC	
		AASHTO M180 HEAD GEOMETRY	
HH2	SPLICE BOLT - NUT	ASTM A563 GRADE A	⅜" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		AASHTO M180 DOUBLE RECESSED HEAVY HEX HEAD	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		UNC	
JJ1	PIPE - STEEL	ASTM A53 GALVANIZED GRADE B SCHEDULE 40	10" O.D.
JJ2	TOP PLATE	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	DIMENSIONS ⅜" X 4" X 1' - 0"
		GALV. AASHTO M111 / ASTM A123	
KK1	ANCHOR BRACKET	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	
		GALV. AASHTO M111 / ASTM A123	
KK2	ANCHOR BRACKET - BEARING PLATE	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	
		GALV. AASHTO M111 / ASTM A123	
LL1	ANCHOR BRACKET - BOLT	ASTM A307 GRADE B HEAVY HEX HEAD OR SAE J429 GRADE 2 HEAVY HEX HEAD	⅝" DIA.
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
LL2	ANCHOR BRACKET - WASHER	ASTM F436 TYPE 1 (HARDEN WASHER ONLY)	⅝" DIA.
		GALV. AASHTO M111 / ASTM A123 OR GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329	
LL3	ANCHOR BRACKET - NUT	ASTM A563 GRADE A	⅝" DIA.
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		UNC	
MM1a	ANCHOR CABLE	AASHTO M30 / ASTM A741 INDEPENDENT WIRE CORE (IWRC) OR WIRE STRAND CORE (WCS), IMPROVED PLOW STEEL (IPS), 6X19, TYPE II OR IIc CLASS C ZINC COATED	
MM1b	ANCHOR CABLE	AASHTO M30 / ASTM A741 INDEPENDENT WIRE CORE (IWRC) OR WIRE STRAND CORE (WCS), IMPROVED PLOW STEEL (IPS), 6X19, TYPE II OR IIc CLASS C ZINC COATED	
MM2	ANCHOR CABLE - SWAGE FITTING	ASTM A576 GRADE 1035	
		SWAGE FITTINGS ARE TO BE FACTORY SWEDGED. WITH A BREAKING STRENGTH 40,000 LBS.	
		GALV. AASHTO M111 / ASTM A123	
		ASME B30.26 FORGED, CAST, OR DIE STAMPED WITH THE FOLLOWING INTO CONNECTION: NAME OF MANUFACTURER OR TRADEMARK OF CONNECTION'S MANUFACTURER, SIZE OR RATED LOAD, GRADE.	
MM3	WIRE ROPE CABLE CLAMPS	FF-C-450D TYPE 1 CLASS 1	¾"
		ASTM A153 HOT DIP CLASS D	
MM4	ANCHOR CABLE - SWAGE FITTING - STUD	ASTM F3125 GRADE A325 TYPE 1 OR SAE GRADE 5 OR ASTM A449 TYPE 1 HEAVY HEX HEAD	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	
NN1	ANCHOR CABLE - NUT	ASTM A563 GRADE A	1" DIA.
		AASHTO M180 DOUBLE RECESSED HEAVY HEX HEAD	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		UNC	
NN2	ANCHOR CABLE - NUT - WASHER	ASTM F436 TYPE 1 (HARDEN WASHER ONLY)	1" DIA.
		GALV. AASHTO M111 / ASTM A123 OR GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329	

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

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SDD 14B53 - 02h

BILL OF MATERIALS - SHORT RADIUS BEAM GUARD (MGS)

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

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

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SDD 14B53 - 02i

SDD 14B53 - 02i

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

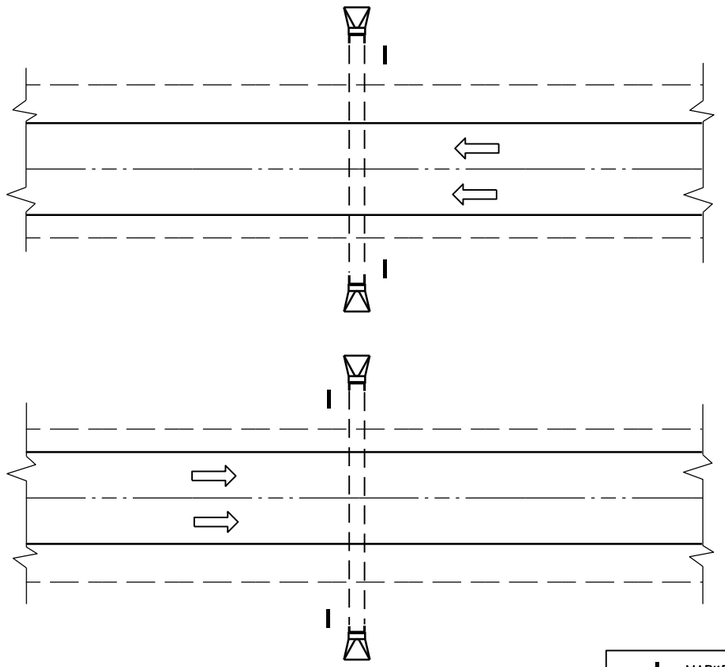
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2022
DATE

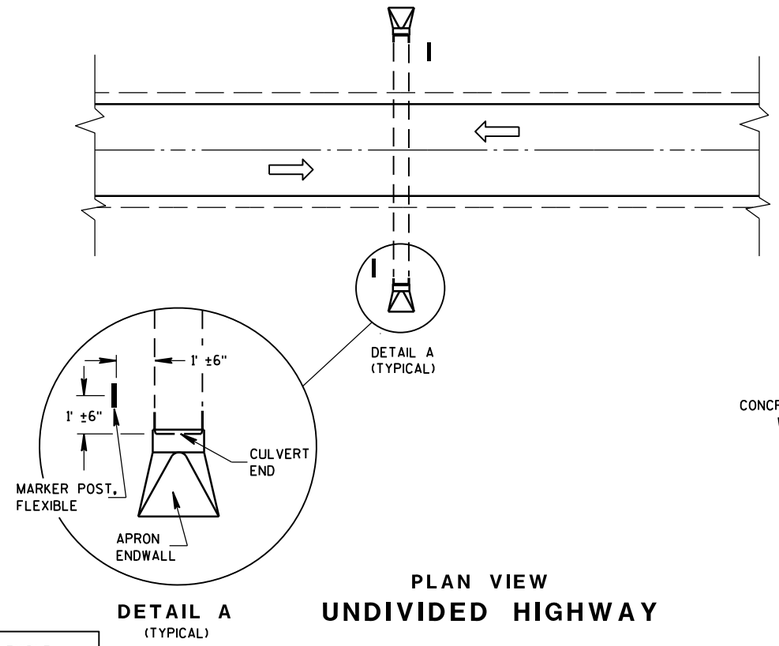
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

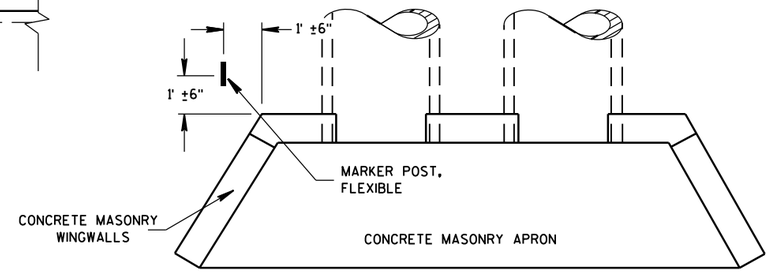
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

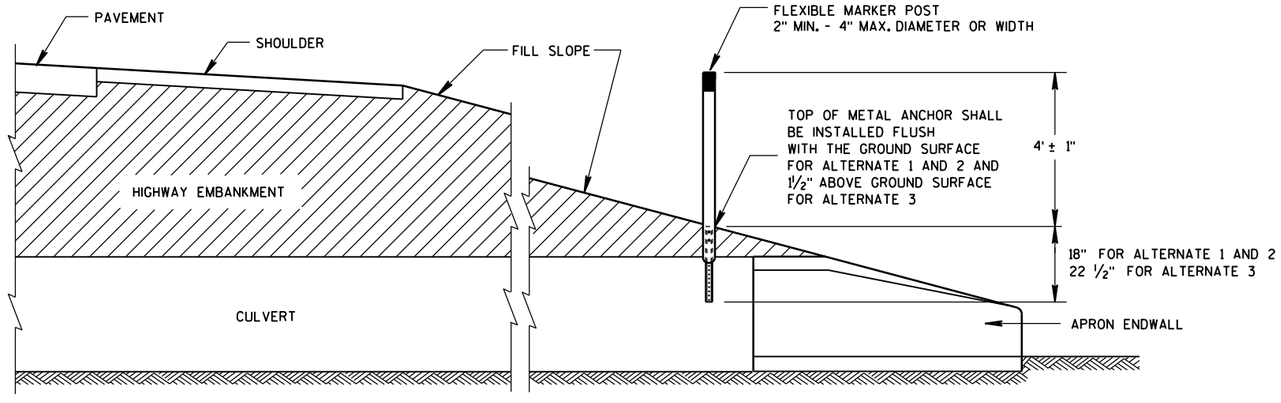
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

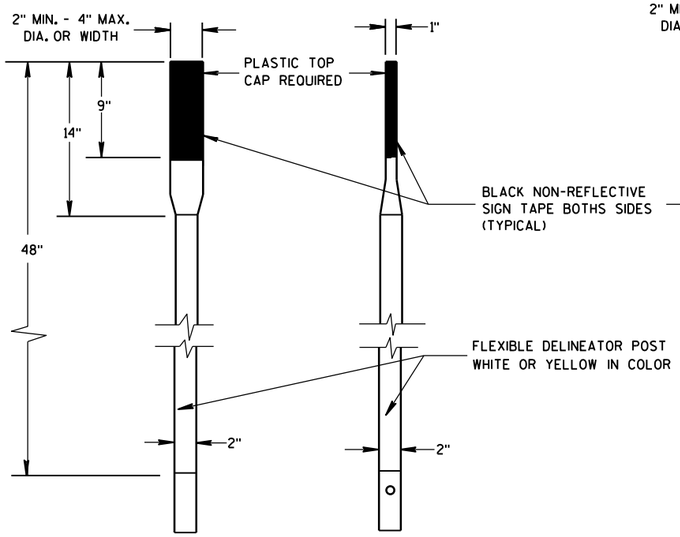
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

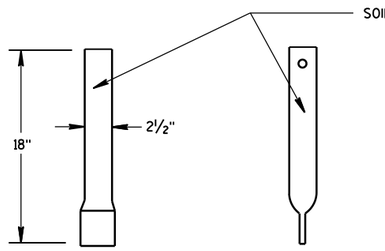
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S.D.D. 15 A 3-2a

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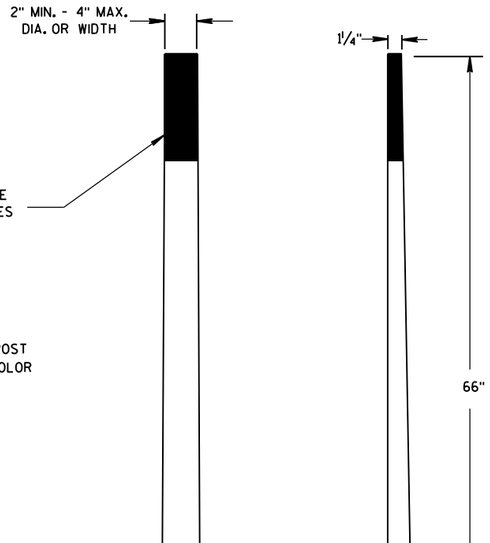
S.D.D. 15 A 3-2a





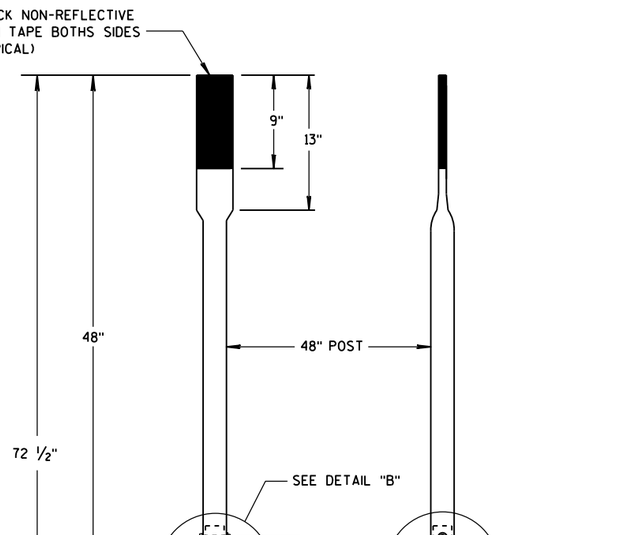
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

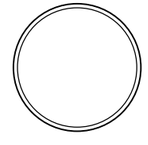
ALTERNATE 2



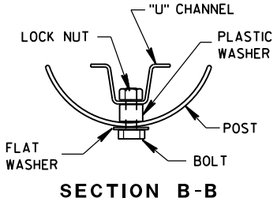
FRONT VIEW SIDE VIEW

ALTERNATE 3

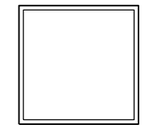
FLEXIBLE MARKER POSTS



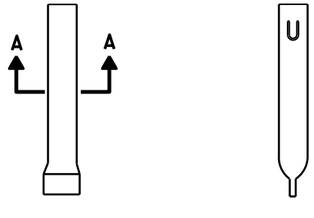
SECTION A-A



SECTION B-B

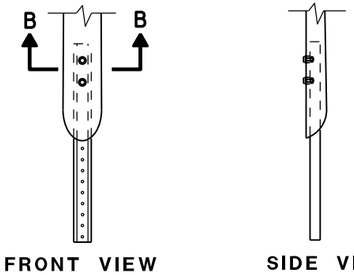


SECTION C-C



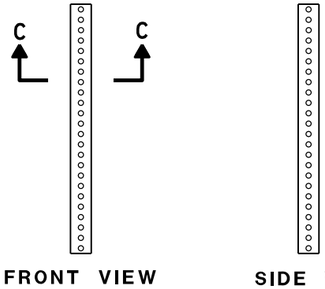
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

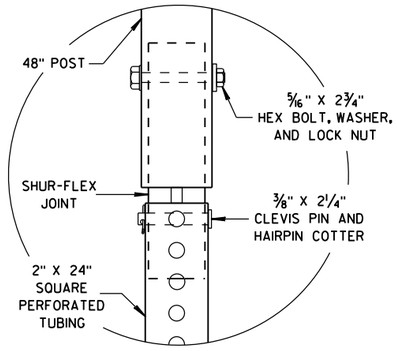
ALTERNATE 2



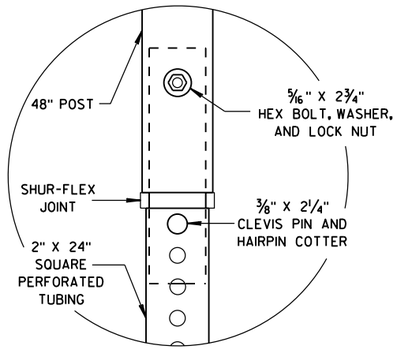
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

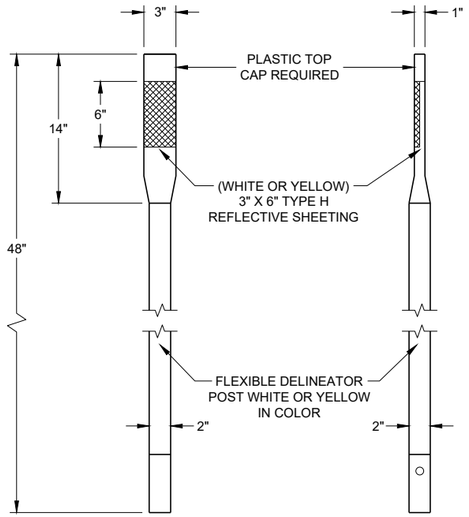
APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

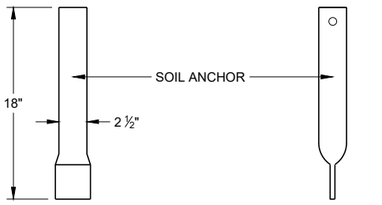
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S.D.D. 15 A 3-2b

6

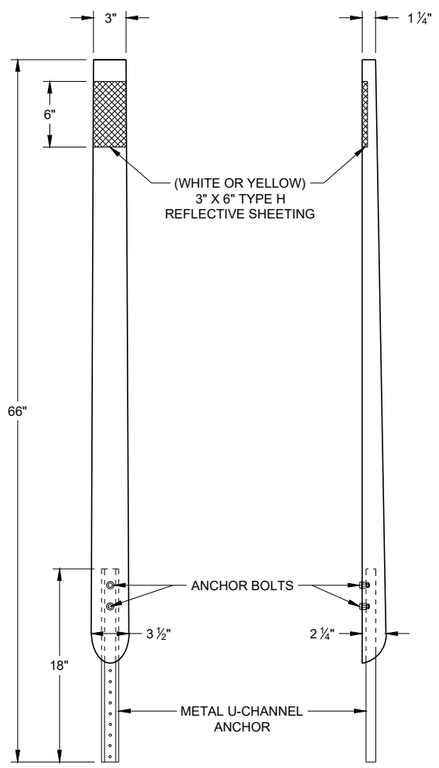
S.D.D. 15 A 3-2b





FRONT VIEW SIDE VIEW

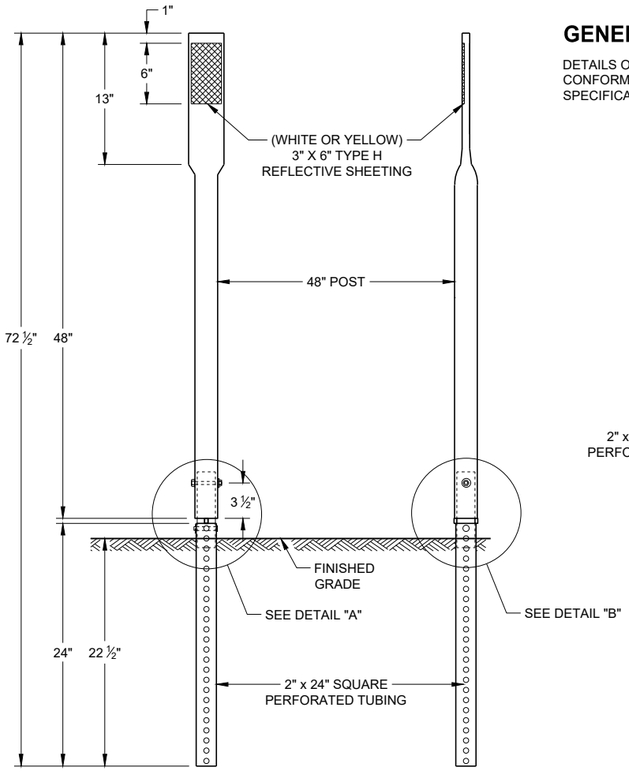
ALTERNATE 1



FRONT VIEW SIDE VIEW

ALTERNATE 2

FLEXIBLE DELINEATOR POSTS

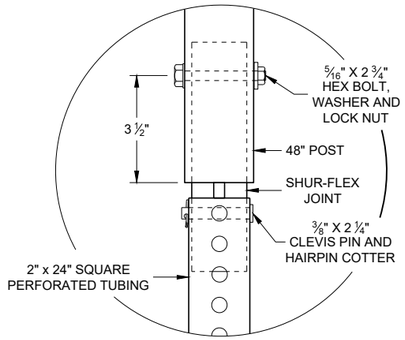


FRONT VIEW SIDE VIEW

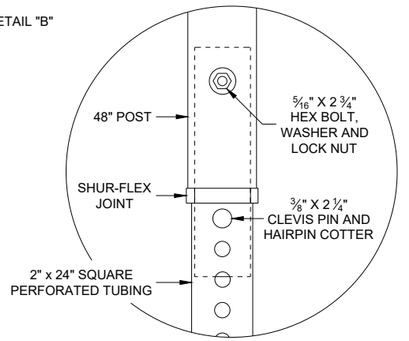
ALTERNATE 3

GENERAL NOTES

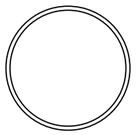
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



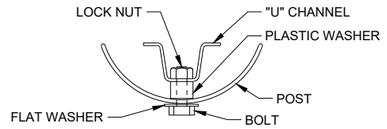
DETAIL A



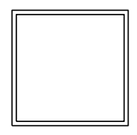
DETAIL B



SECTION A - A



SECTION B - B

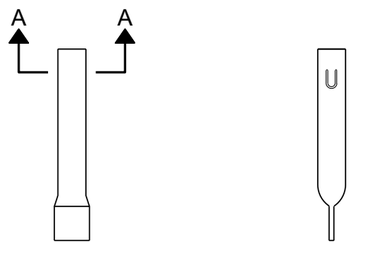


SECTION C - C

REFLECTOR SPACING TABLE

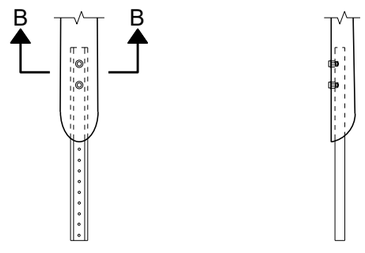
REFLECTOR SPACING	LOCATION
* 100' C-C	RAMPS
400' C-C	MAINLINE

* START AT BEGINNING OF RAMP TAPER AND END AT END OF RAMP TAPER



FRONT VIEW SIDE VIEW

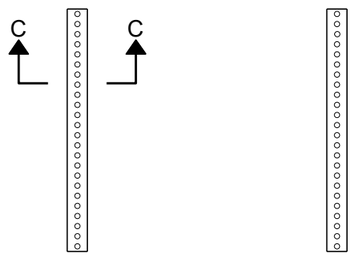
ALTERNATE 1



FRONT VIEW SIDE VIEW

ALTERNATE 2

FLEXIBLE MARKER POST ANCHORS



FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE DELINEATOR POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

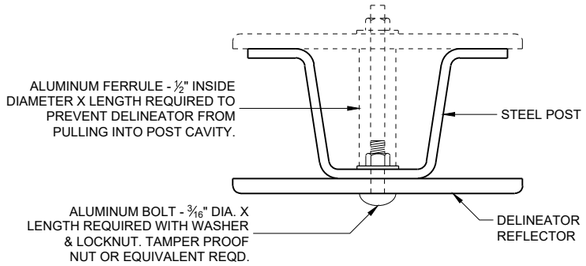
APPROVED
November 2021 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

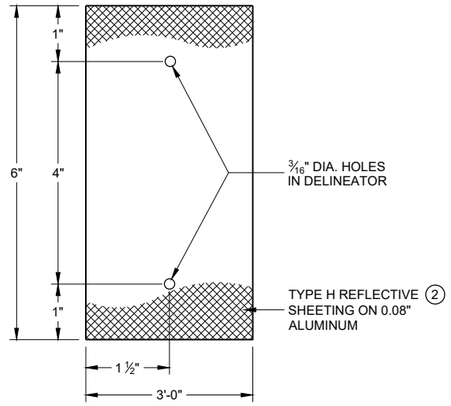
SDD 15A04 - 07a

6

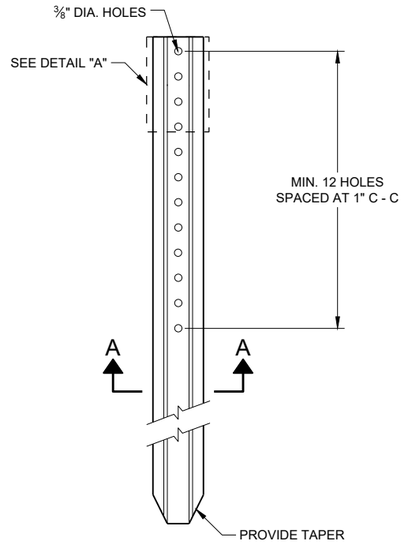
SDD 15A04 - 07a



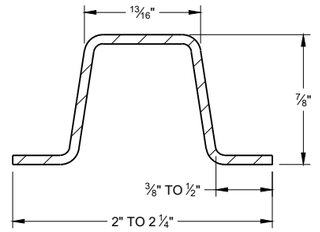
MOUNTING DETAIL FOR DELINEATOR REFLECTOR



DETAIL "A" 3" X 6" DELINEATOR REFLECTOR



DELINEATOR POST



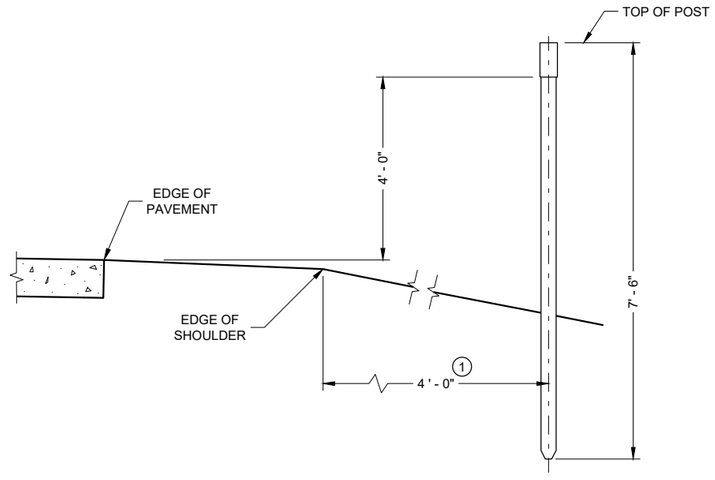
SECTION A - A

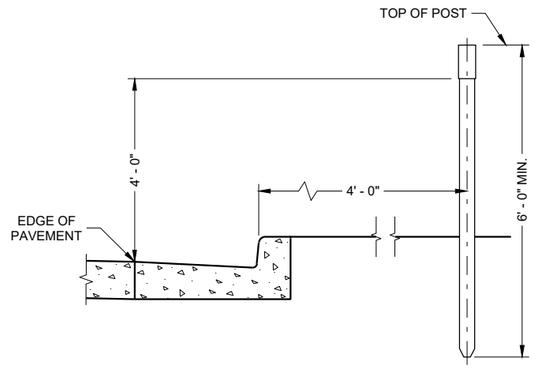
WEIGHT 1.12 LBS PER FT. \ 0.1 LB.

REFLECTOR SPACING TABLE

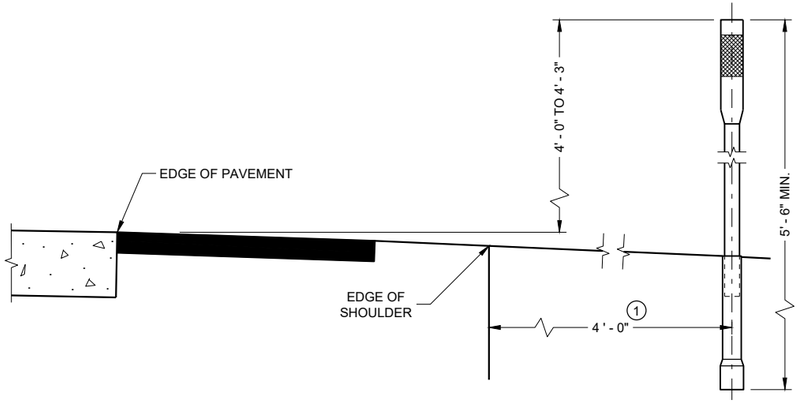
REFLECTOR SPACING	LOCATION
* 100' C-C	RAMPS
400' C-C	MAINLINE

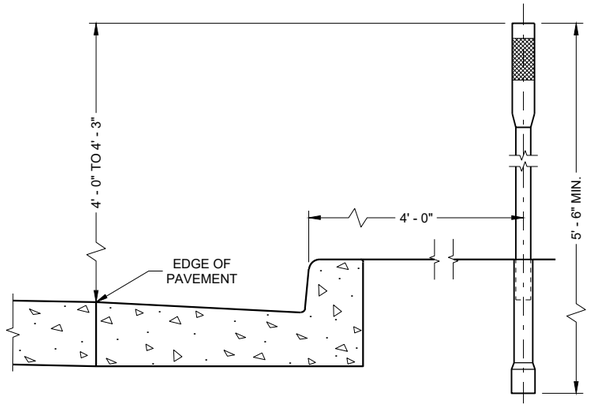
* START AT BEGINNING OF RAMP TAPER AND END AT END OF RAMP TAPER





TYPICAL INSTALLATIONS OF DELINEATOR POSTS





TYPICAL INSTALLATIONS OF FLEXIBLE DELINEATOR POSTS

GENERAL NOTES

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

1. DELINEATORS SHALL BE PLACED AT A CONSTANT DISTANCE FROM THE EDGE OF THE SHOULDER FOR THE LENGTH OF THE INSTALLATION.
2. FURNISH TYPE H SHEETING FROM THE APPROVED PRODUCTS LIST.

DELINEATOR POST WITH REFLECTIVE SHEETING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

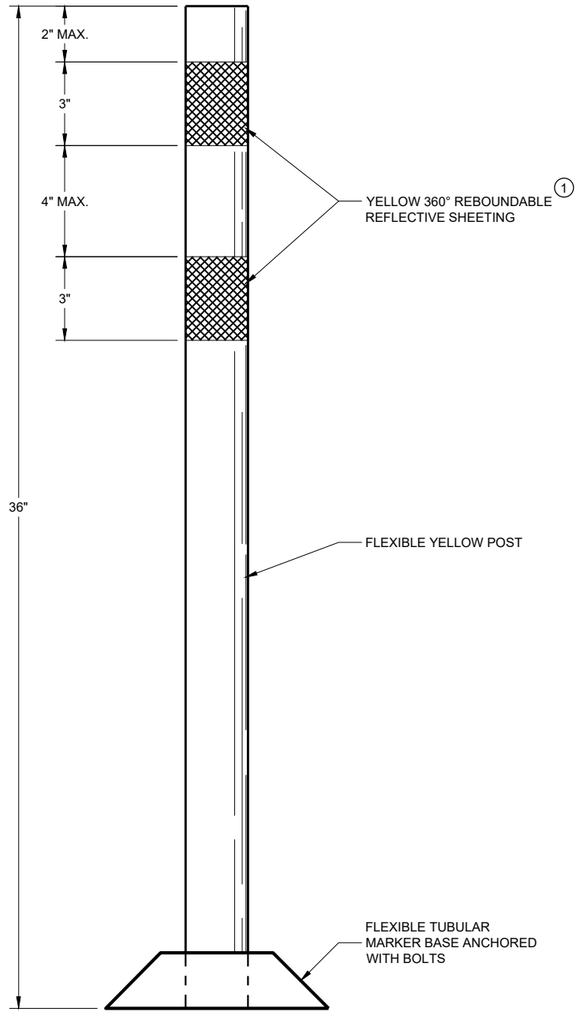
APPROVED
November 2021
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

6

SDD 15A04 - 07c



PERMANENT FLEXIBLE TUBULAR MARKER POST

GENERAL NOTES

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

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

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

6

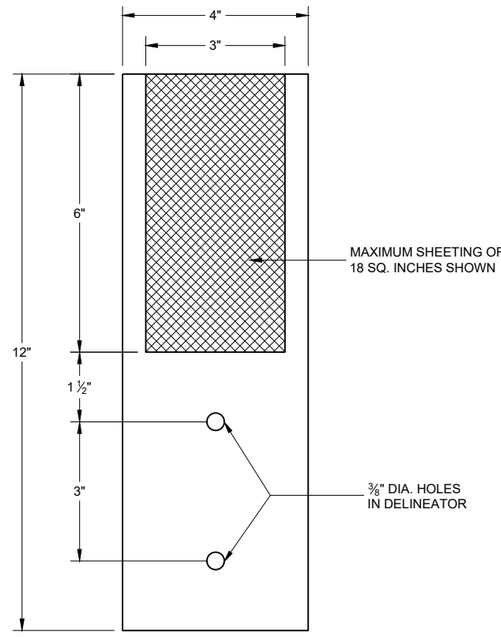
CHANNELIZING DEVICES
PERMANENT FLEXIBLE
TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER

FHWA

SDD 15A04 - 07d



4" x 12" DELINEATOR
WITH REFLECTIVE SHEETING

6

6

SDD 15A04 - 07e

SDD15A04 - 07e

DELINEATOR
WITH REFLECTIVE SHEETING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

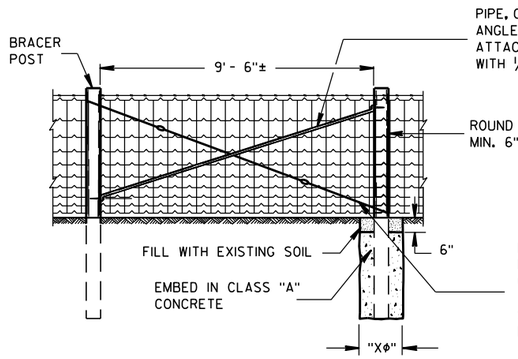
November 2021
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

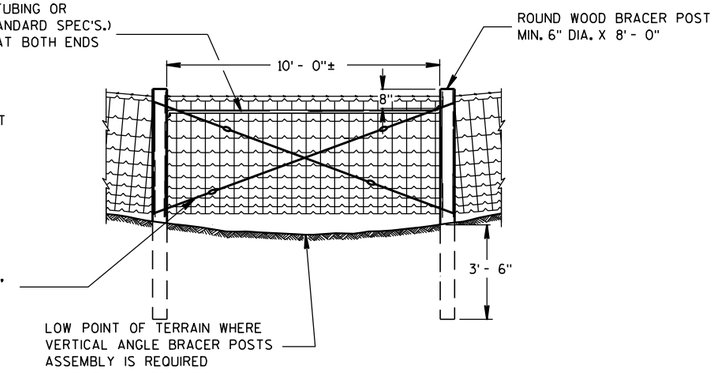
FHWA

NOTE: PULL OR STRETCHER POST ASSEMBLIES SHALL BE PLACED MIDWAY BETWEEN END POSTS AND CORNER POSTS WHERE A RUN OF FENCE EXCEEDS 660' BUT IS LESS THAN 1,320'. FOR RUNS OF FENCE IN EXCESS OF 1,320' MAXIMUM SPACING OF PULL OR STRETCHER POST ASSEMBLIES SHALL BE 660'± C-C.

ILLUSTRATION SHOWS POSITION OF STANDARD STEEL BRACE, DOUBLE STRAND GALVANIZED WIRE, AND THE POST TO BE EMBEDDED IN CONCRETE WHEN WIRE FENCE IS INSTALLED FROM LEFT TO RIGHT. THE BRACES SHALL BE POSITIONED ON THE OPPOSITE DIAGONALS AND THE OPPOSITE POST SHALL BE EMBEDDED IN CONCRETE WHEN WIRE FENCE IS INSTALLED FROM RIGHT TO LEFT.



PULL OR STRETCHER POSTS ASSEMBLY



VERTICAL ANGLE BRACER POSTS ASSEMBLY

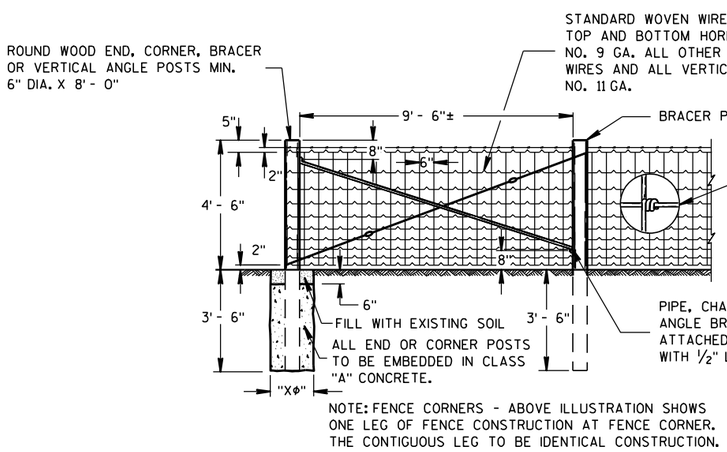
GENERAL NOTES

"XΦ" = DIAMETER OF THE POST PLUS 12".

FENCE STAPLES SHOULD NEVER BE DRIVEN VERTICALLY INTO WOOD POSTS (WITH BOTH LEGS PARALLEL WITH THE WOOD GRAIN). DOING SO CAN SEPARATE THE GRAIN AND SIGNIFICANTLY REDUCE THE HOLDING POWER. ROTATING THE STAPLES SLIGHTLY OFF VERTICAL STRADDLES THE GRAIN AND PROVIDES MORE RESISTANCE TO PULL-OUT.

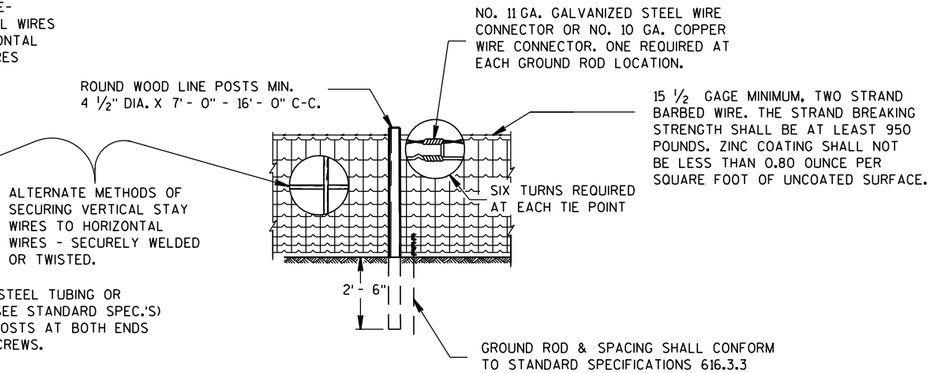
DO NOT STAPLE WIRE TIGHT TO THE LINE POSTS. ALLOW MOVEMENT OF WIRE FOR EXPANSION AND CONTRACTION. STAPLE ARRANGEMENT SHALL BE THE SAME FOR ALL OTHER POSTS EXCEPT THAT THEY SHALL BE DRIVEN TIGHT TO POSTS. ALL STAPLES SHALL BE 2" X 9 GAGE AND SHALL BE MANUFACTURED FROM GALVANIZED WIRE OR HOT DIP GALVANIZED AFTER FORMING. STAPLES SHALL HAVE SLASH-CUT POINTS.

FENCE SHALL BE LOCATED 3'-0" INSIDE THE RIGHT OF WAY LINE UNLESS OTHERWISE INDICATED ON THE PLANS.



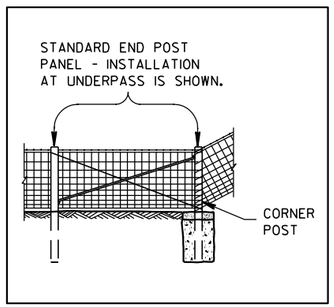
NOTE: FENCE CORNERS - ABOVE ILLUSTRATION SHOWS ONE LEG OF FENCE CONSTRUCTION AT FENCE CORNER. THE CONTIGUOUS LEG TO BE IDENTICAL CONSTRUCTION.

END OR CORNER POSTS ASSEMBLY

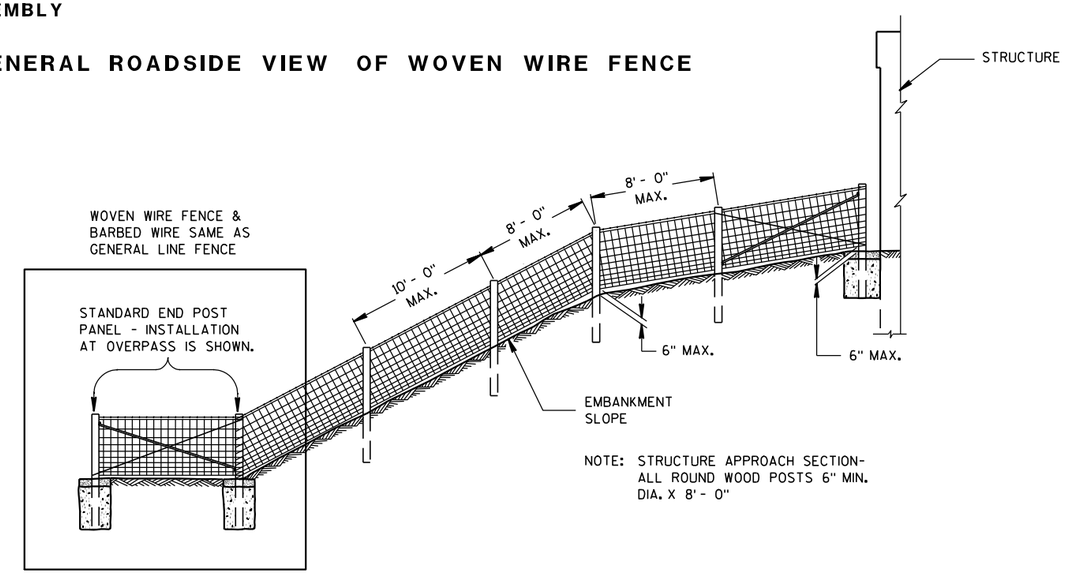


LINE FENCE CONSTRUCTION

GENERAL ROADSIDE VIEW OF WOVEN WIRE FENCE



ALTERNATE FENCE DESIGN AT STRUCTURE



FENCE DESIGN AT STRUCTURE APPROACH

FENCE WOVEN WIRE

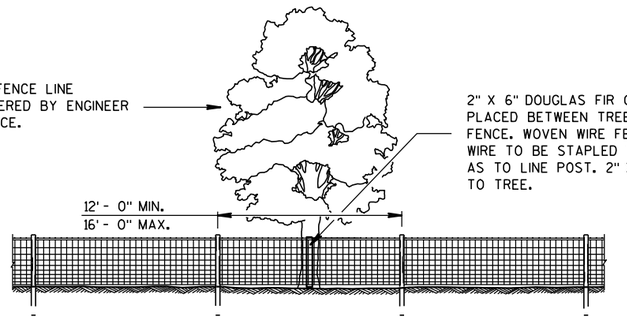
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

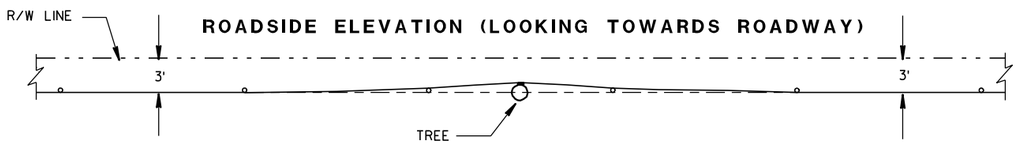
S.D.D. 15 B 1-8a

NOTE: TREE IN NORMAL FENCE LINE SPECIFICALLY ORDERED BY ENGINEER TO REMAIN IN PLACE.

2" X 6" DOUGLAS FIR OR SO. YELLOW PINE PLACED BETWEEN TREE AND WOVEN WIRE FENCE. WOVEN WIRE FENCE AND BARBED WIRE TO BE STAPLED TO 2" X 6" LIKE AS TO LINE POST. 2" X 6" NOT FASTENED TO TREE.

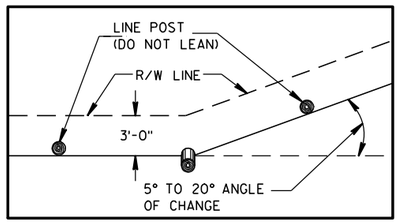


ROADSIDE ELEVATION (LOOKING TOWARDS ROADWAY)

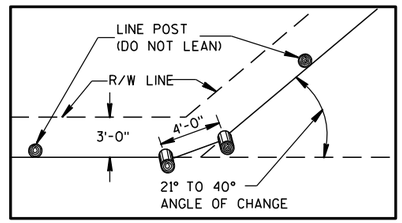


PLAN VIEW

FENCE DESIGN AT TREES REMAINING IN NORMAL FENCE LINE



PLAN VIEW
SINGLE POST CORNER

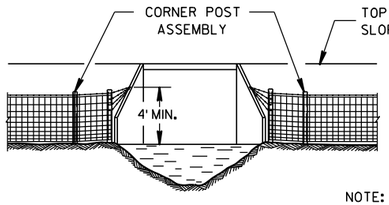


PLAN VIEW
DOUBLE POST CORNER

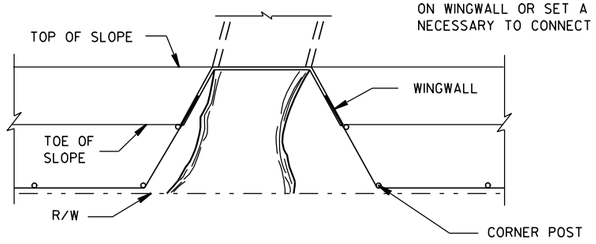
RIGHT OF WAY LINE CHANGE 40° AND LESS

NOTE: SINGLE AND DOUBLE POSTS SHALL BE A MIN. 6" DIA. X 8'-0" WITH A LEAN OF 4" TOWARD THE OUTSIDE OF THE CURVE.

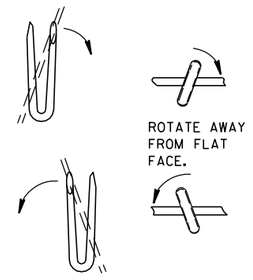
WHEN THE RIGHT OF WAY LINE CHANGE IS MORE THAN 40° USE THE CORNER OR STRETCHER POSTS ASSEMBLY.



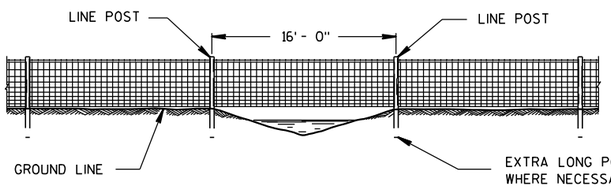
NOTE: PLACE A MINIMUM OF 4 STRANDS OF BARBED WIRE, 6" MAXIMUM CENTERS IN FAN SHAPE CONNECTED TO AN EYE BOLT ON WINGWALL OR SET A LONE POST WHEN NECESSARY TO CONNECT BARBED WIRE.



FENCE INSTALLATION TO WINGWALLS

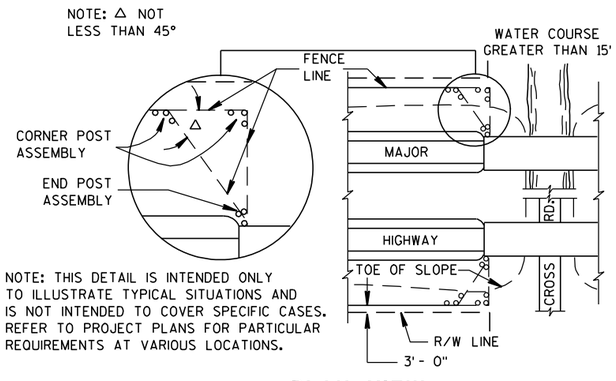


LINE POST



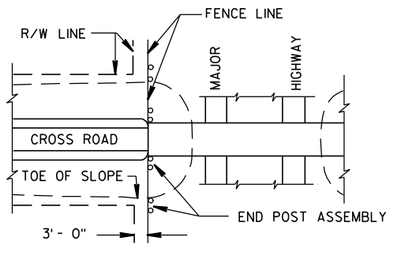
FENCE CONSTRUCTION OVER STREAM COURSES OF 15 FT. OR LESS IN WIDTH

NOTE: THIS DETAIL IS INTENDED ONLY TO ILLUSTRATE TYPICAL SITUATIONS AND IS NOT INTENDED TO COVER SPECIFIC CASES. REFER TO PROJECT PLANS FOR PARTICULAR REQUIREMENTS AT VARIOUS LOCATIONS.



PLAN VIEW

MAJOR HIGHWAY OVERPASS OR STREAM COURSE CROSSING OF GREATER THAN 15 FT. IN WIDTH

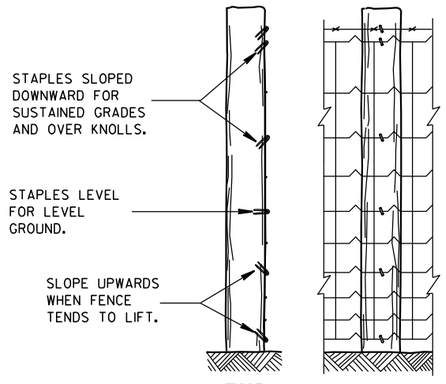


PLAN VIEW

MAJOR HIGHWAY UNDERPASS

FENCE LOCATION AT STRUCTURES

NOTE: WHEN POSTS ARE DRIVEN THE SMALL END SHALL BE DOWN.



END ELEVATION

FARM SIDE ELEVATION

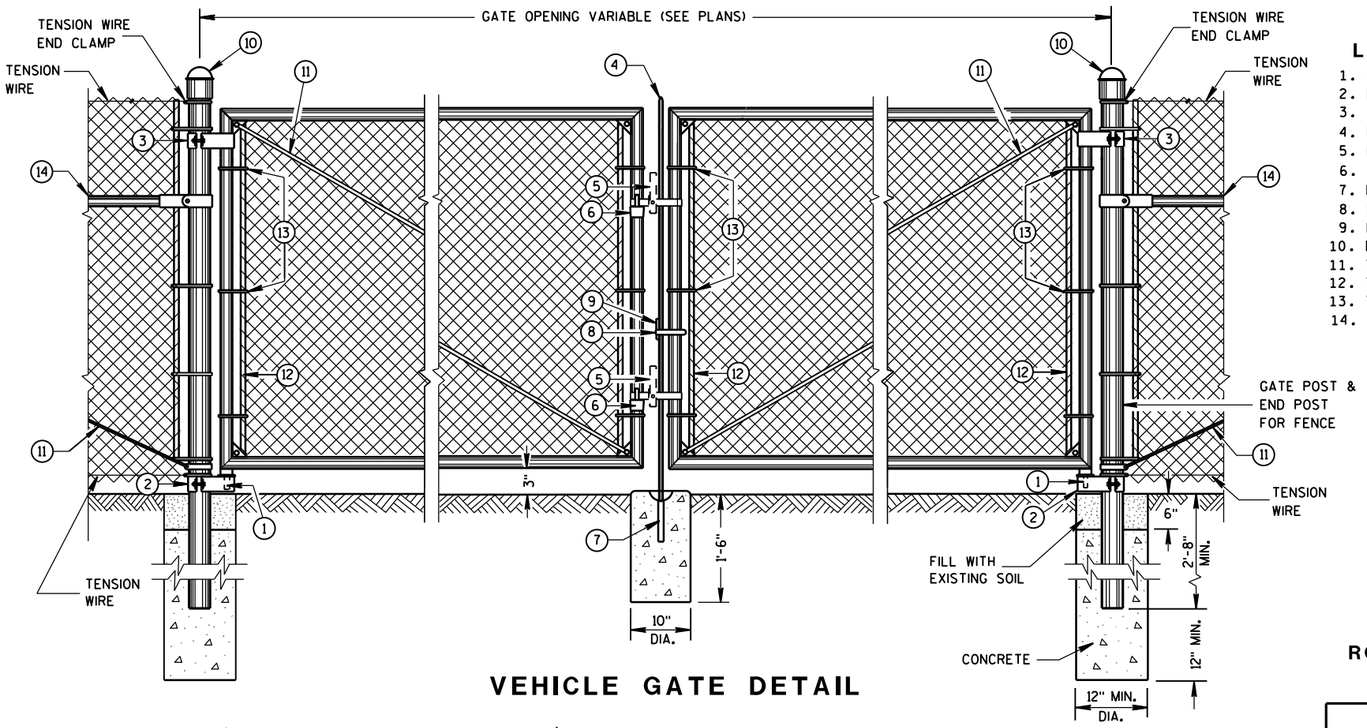
FENCE MOUNTING DETAIL

FENCE WOVEN WIRE

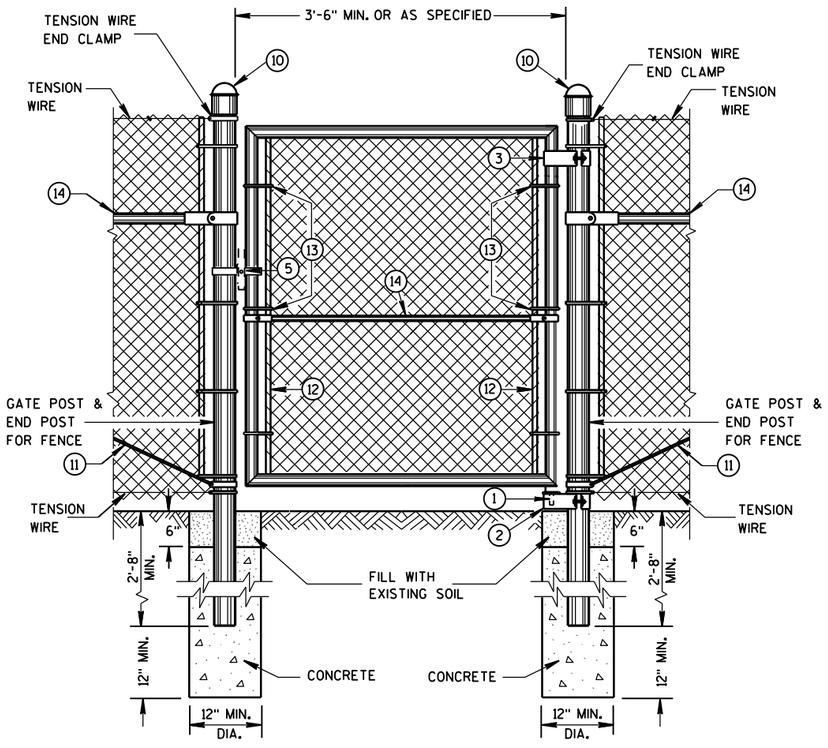
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/4/2008
DATE
/S/ Jerry H. [illegible]
ROADWAY STANDARDS [illegible]454 [illegible]ENT
ENGINEER
FHWA

6
S.D.D. 15 B 1-8b



VEHICLE GATE DETAIL



PEDESTRIAN GATE DETAIL

LEGEND

1. STRAIGHT PLUG
2. BOTTOM HINGE
3. TOP HINGE
4. PLUNGER ROD
5. FULCRUM LATCH
6. FORK CATCH *
7. PLUNGER ROD CATCH
8. LOCK KEEPER GUIDE
9. LOCK KEEPER
10. DOME TOPS
11. TRUSS RODS
12. TENSION BAR
13. TENSION BANDS
14. BRACE RAIL

*NOT REQUIRED ON SINGLE SWING PEDESTRIAN GATE

GENERAL NOTES

FENCE POSTS INSTALLED ON CONCRETE WALLS SHALL BE ANCHORED INTO EMBEDDED METAL SLEEVES OR CORED HOLE BY FILLING THE ANNULAR SPACE WITH PEA GRAVEL FOLLOWED BY AN EPOXY RESIN ADHESIVE. THE EPOXY RESIN ADHESIVE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 235, CLASS A, B OR C.

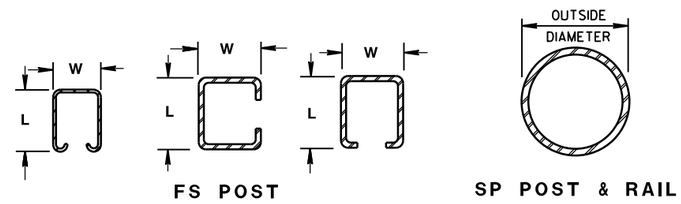
USE FENCE FABRIC KNUCKLED AT BOTH SELVAGES.

FOR LEAF GATES GREATER THAN 8 FEET WIDE, INSTALL INTERIOR VERTICAL BRACE RAIL AT 8 FOOT INTERVALS.

FOR FABRIC HEIGHTS GREATER THAN 8 FEET, INSTALL INTERIOR HORIZONTAL BRACE RAILS TO LEAF GATE.

MAXIMUM SAG FOR OUTER GATE MEMBER SHALL NOT EXCEED THE GREATER OF 1% OF THE LEAF GATE WIDTH OR 2 INCHES.

USE TYPE 2, CLASS 3, MARCELLED/CRIMPED, TENSION WIRE PER ASTM A 817.



CROSS SECTIONS OF POSTS AND RAILS

ROLLED-FORMED STEEL FENCE POST (2.0 OZ./SQ. FT. COATING)

POST TYPE	LENGTH (L) INCH	WIDTH (W) INCH	WEIGHT LBS/FT
FS1	1.625	1.25	1.35
FS2†	1.875	1.625	1.850
FS2	1.875	1.625	2.400
FS3	2.250	1.700	2.780

ROUND STEEL FENCE POST (1.8 OZ./SQ. FT. COATING)

POST TYPE	OUTSIDE DIMENSION INCH	WALL THICKNESS INCH	WEIGHT LBS/FT
SP1	1.660	0.140	2.270
SP2	1.900	0.145	2.720
SP3	2.375	0.154	3.650
SP4	2.875	0.203	5.800
SP5	4.000	0.226	9.120
SP6	6.625	0.280	18.990
SP7	8.625	0.322	28.580

REQUIRED FENCE POST SIZES

USE	FABRIC HEIGHTS FEET	POST TYPE
TERMINAL POSTS **	LESS THAN OR EQUAL TO 6 FT.	SP3
	GREATER THAN OR EQUAL TO 6 FT.	SP4
LINE POSTS	LESS THAN OR EQUAL TO 6 FT.	SP2
	LESS THAN OR EQUAL TO 8 FT.	SP3
	GREATER THAN OR EQUAL TO 8 FT.	SP4
	LESS THAN OR EQUAL TO 8 FT.	FS2 OR FS2†
	GREATER THAN OR EQUAL TO 8 FT.	FS3

REQUIRED POST SIZE FOR GATES

USE	LEAF WIDTHS FEET	POST TYPE
GATES	LESS THAN OR EQUAL TO 6 FT.	SP4
	LESS THAN OR EQUAL TO 13 FT.	SP5
	LESS THAN OR EQUAL TO 18 FT.	SP6
	LESS THAN OR EQUAL TO 23 FT.	SP7

BRACE RAIL TYPES

USE		TYPE
BRACE RAIL		SP1 OR FS1

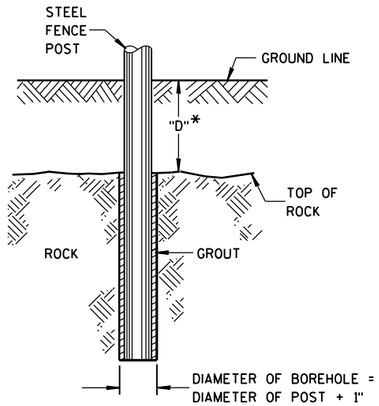
** INCLUDES END, CORNER, ANGLE, INTERSECTION AND INTERMEDIATE BRACED POSTS

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

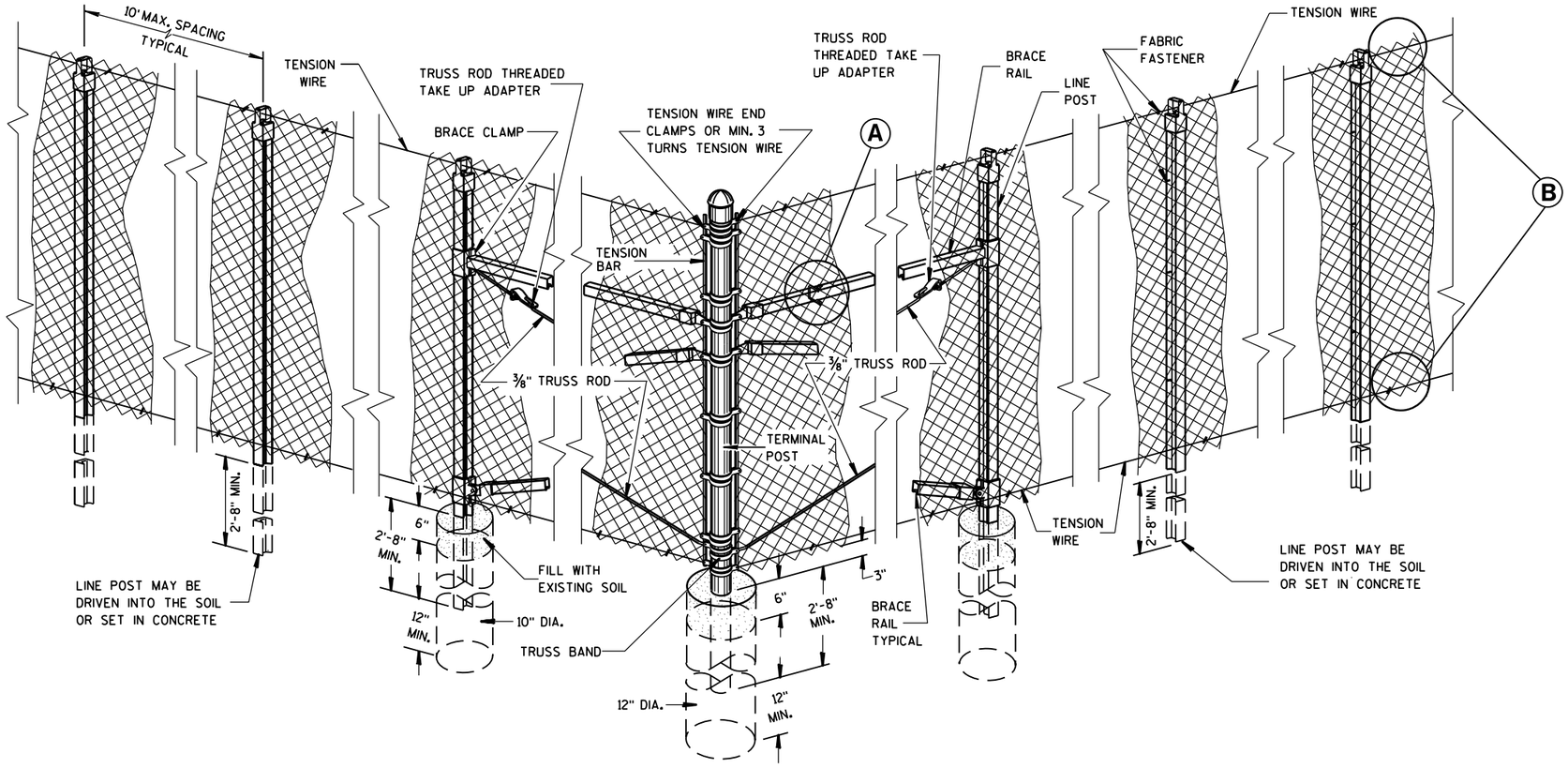
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S.D.D. 15 B 3-15a

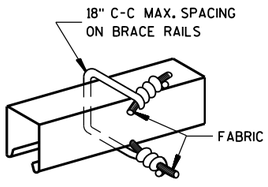


*IF "D" IS LESS THAN 2'-6", DRILL ROCK AND INSTALL GROUT

ROCK INSTALLATION OF LINE POST



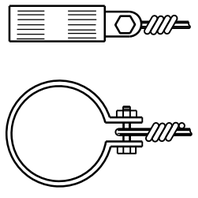
END, CORNER, ANGLE INTERSECTION & INTERMEDIATE BRACED POSTS



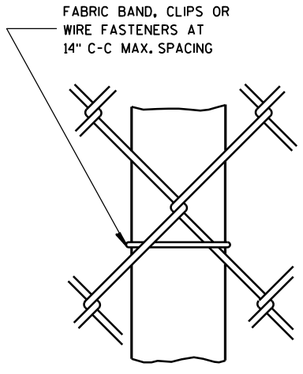
BRACE RAIL

FABRIC FASTENER

Ⓐ



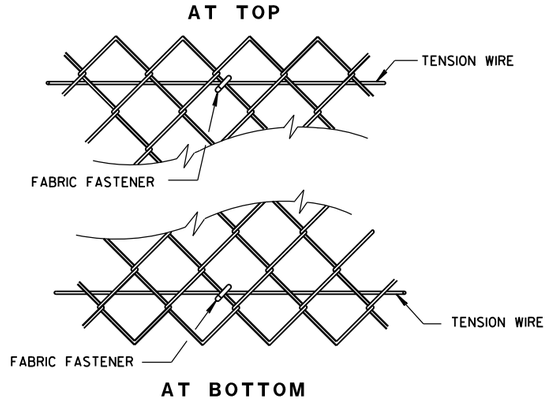
TENSION WIRE END CLAMP



LINE POST

FABRIC FASTENER

AT TOP



AT BOTTOM

SELVAGES

Ⓑ

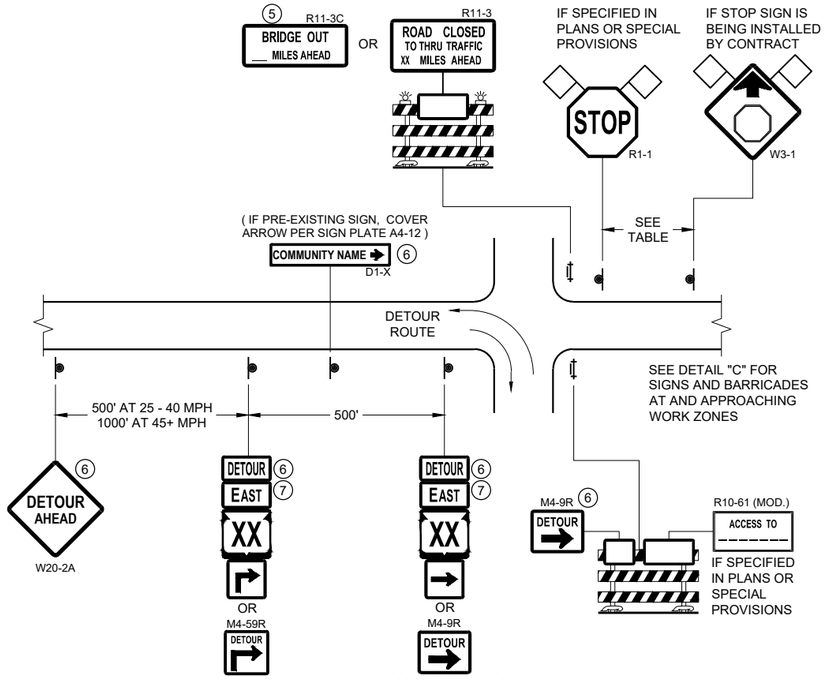
FENCE CHAIN LINK

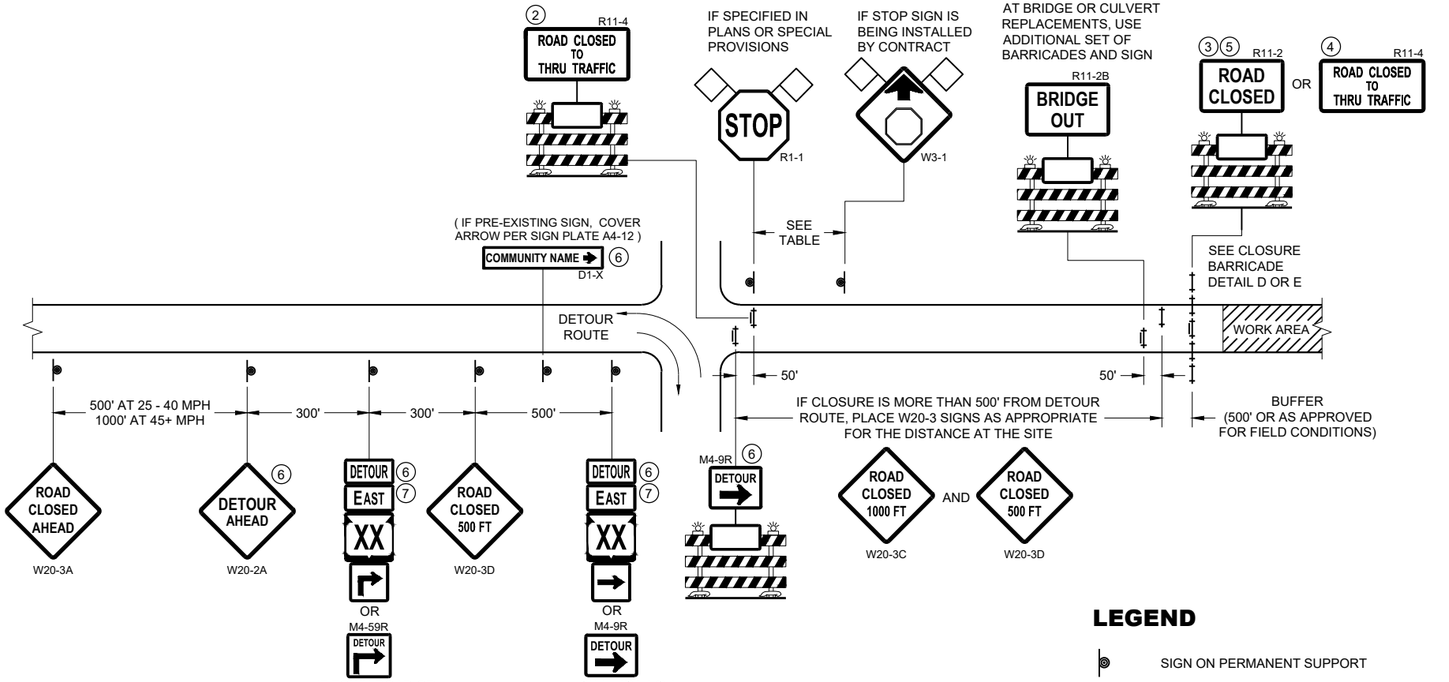
STATE OF WISCONSIN
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APPROVED
FEB. 2015 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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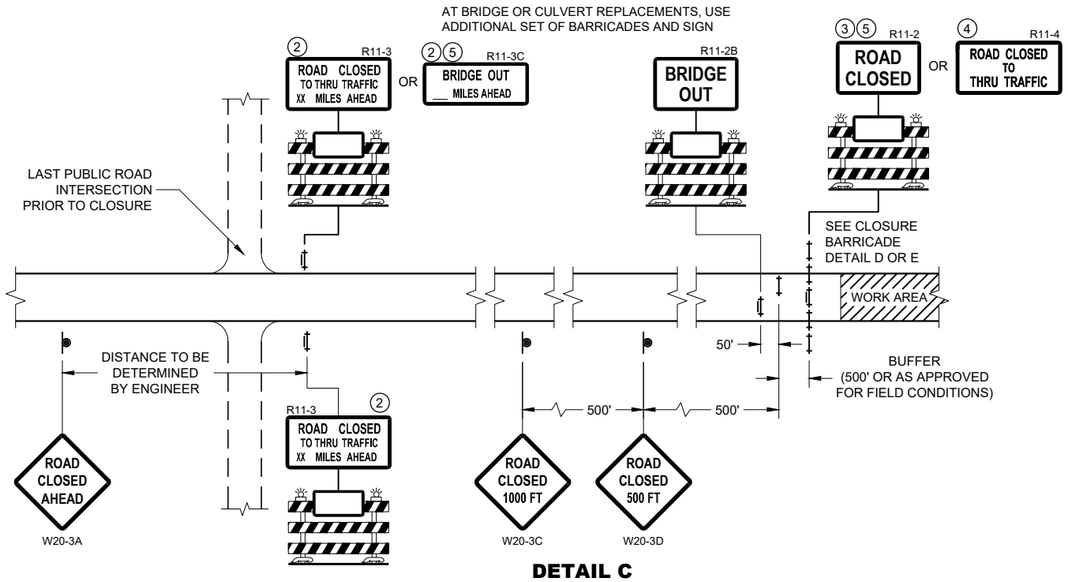


DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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

DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

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



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

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

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

LEGEND

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

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

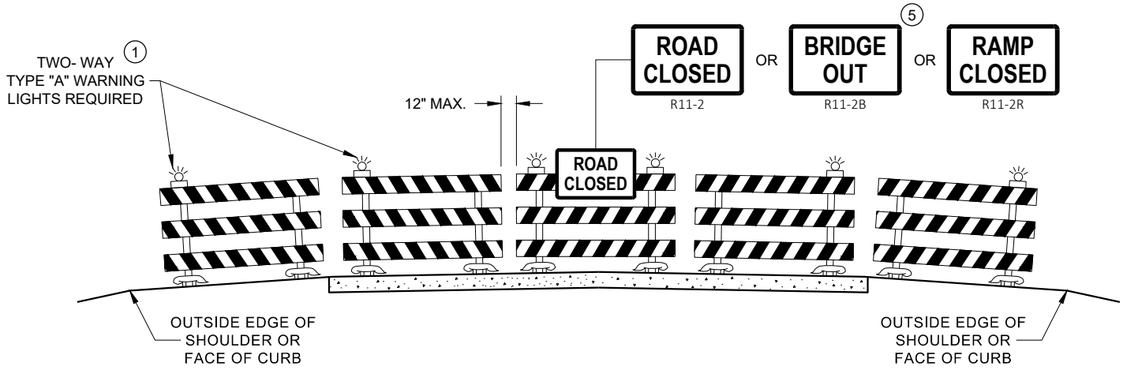
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

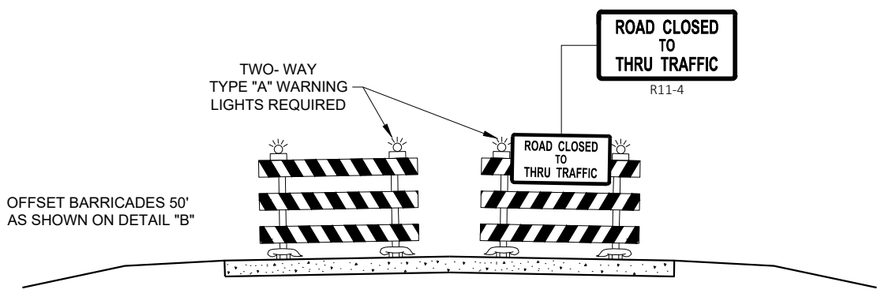
FHWA

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SDD 15C02 - 09a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

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

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

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

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

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

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

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

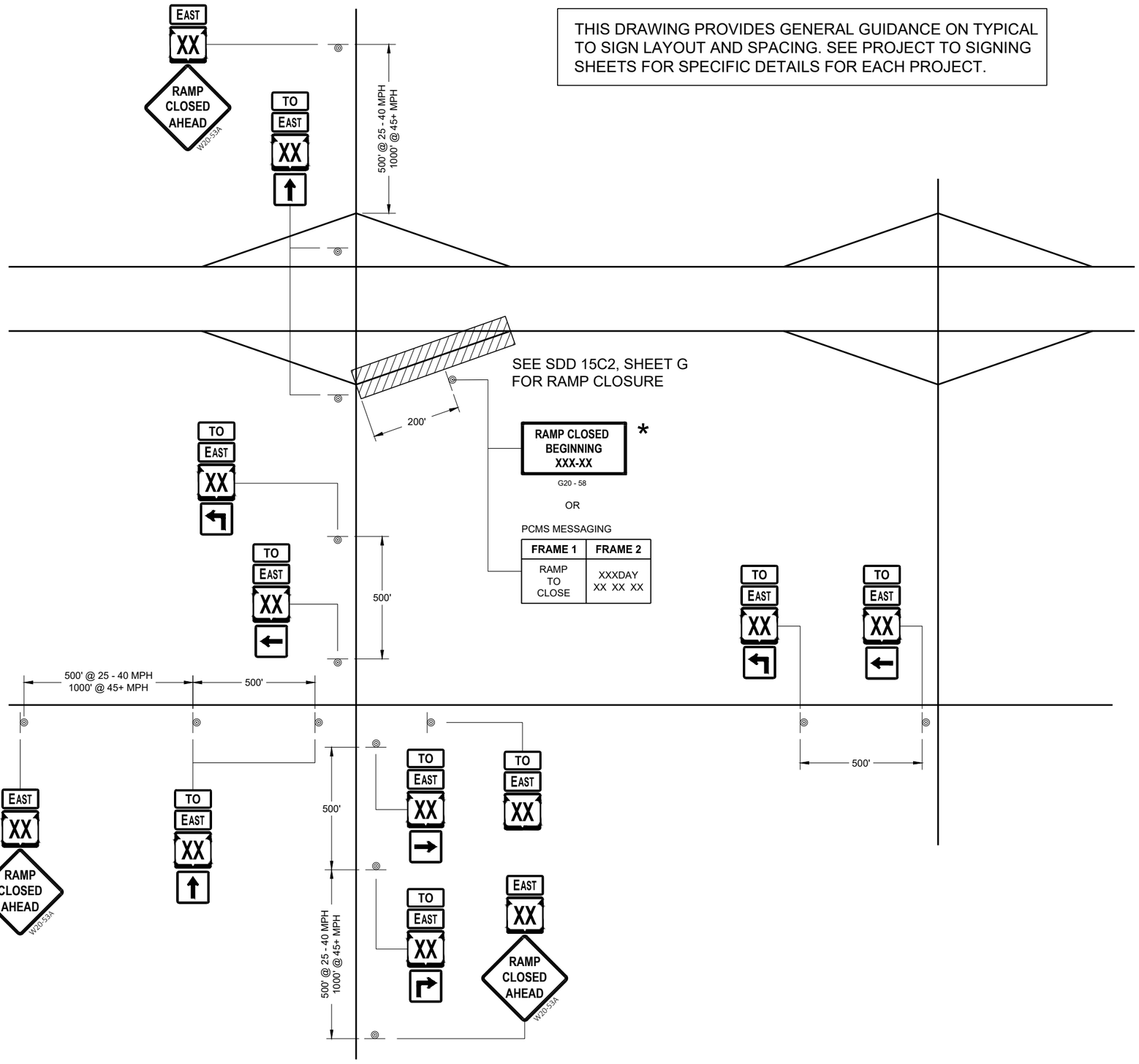
APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

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SDD 15C02 - 09b



THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL TO SIGN LAYOUT AND SPACING. SEE PROJECT TO SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

SIGN ON PERMANENT SUPPORT

TO EAST — MO4 - 5, M3 - X

XX M1 - 6 OR XX M1 - 4 OR INTERSTATE XX M1 - 1

M05 - 1 OR M06 - 1 OR M06 - 1

GENERAL NOTES

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

IF THERE ARE ANY ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE TO ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT TO SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

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

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

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

"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOW:
- M3 - X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS).
- MO4 - 5 SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS).
- M1 - 1, M1 - 4, AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS).
- MO5 - 1, MO5 - 2, AND MO6 - 1, SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS).
- W20 - 53A SHALL BE 48" X 48"

* PLACE "RAMP CLOSED BEGINNING" SIGN 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR LAYOUT.

ON RAMP LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

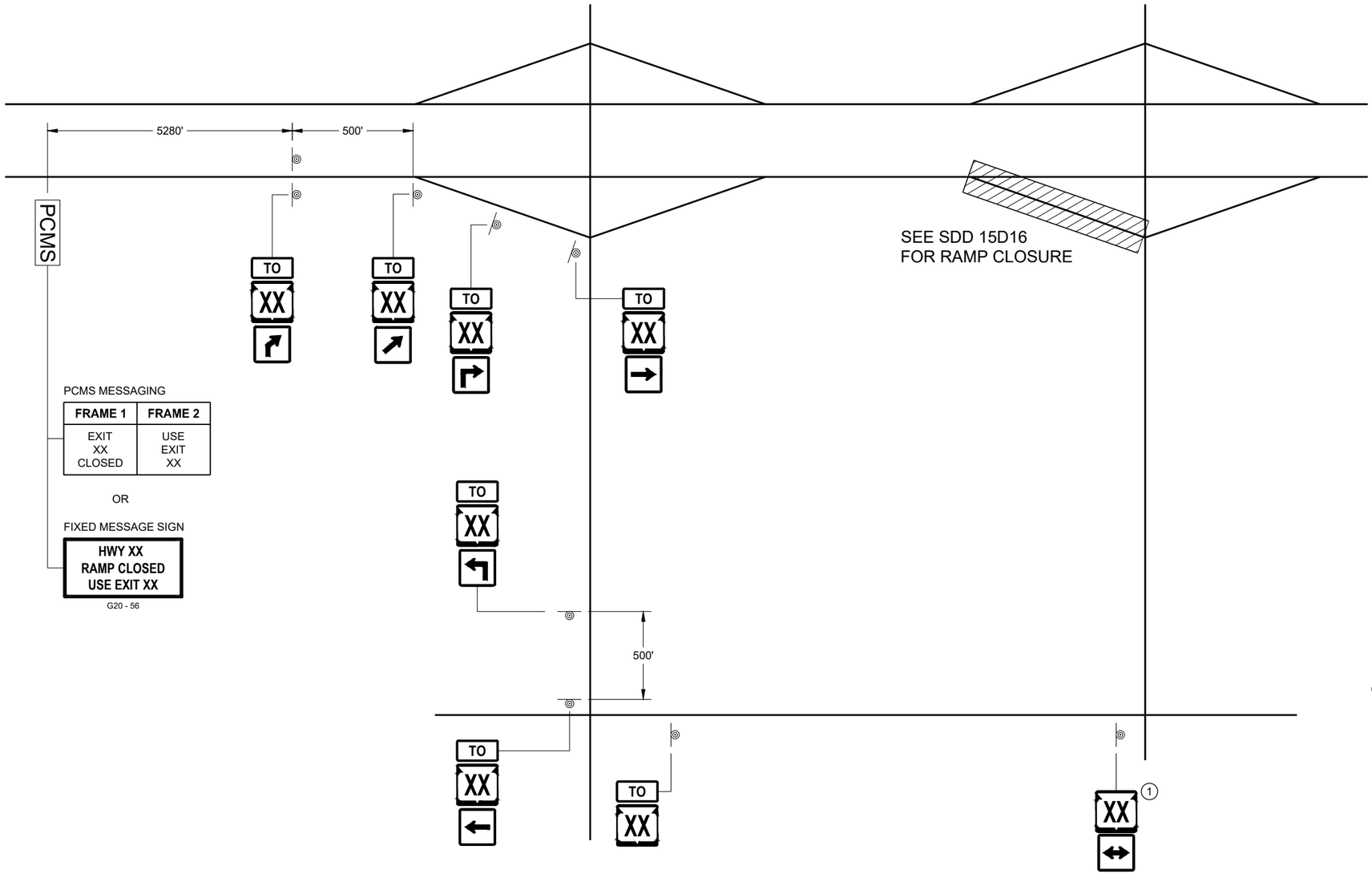
APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

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SDD 15C02 - 09d

SDD 15C02 - 09d

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL "TO" MO-4 SIGN LAYOUT AND SPACING. SEE PROJECT TO SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.



PCMS MESSAGING

FRAME 1	FRAME 2
EXIT XX CLOSED	USE EXIT XX

OR

FIXED MESSAGE SIGN

HWY XX
RAMP CLOSED
USE EXIT XX

G20 - 56

LEGEND

SIGN ON PERMANENT SUPPORT

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

TO MO4 - 5

XX M1 - 4 OR XX M1 - 6 OR COUNTY X M1 - 5A

M05 - 1 OR M05 - 2 OR M06 - 1 OR M06 - 2 OR M06 - 4

GENERAL NOTES

SEE SDD 15D16 "TRAFFIC CONTROL, EXIT RAMP CLOSURE" DETAIL FOR TRAFFIC CONTROL AT EXIT RAMP CLOSURE.

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

IF THERE ARE ANY ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE "TO" MO-4 ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT TO SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND "TO" MO-4 SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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

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

"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOW:
- MO4 - 5 SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS).
- M1 - 4, M1 - 5A, AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS).
- MO5 - 1, MO5 - 2, AND MO6 - 1, SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS).

(1) ONLY ADD IF THERE ARE NO EXISTING ROUTE MARKERS FOR THE INTERSECTING ROADWAY.

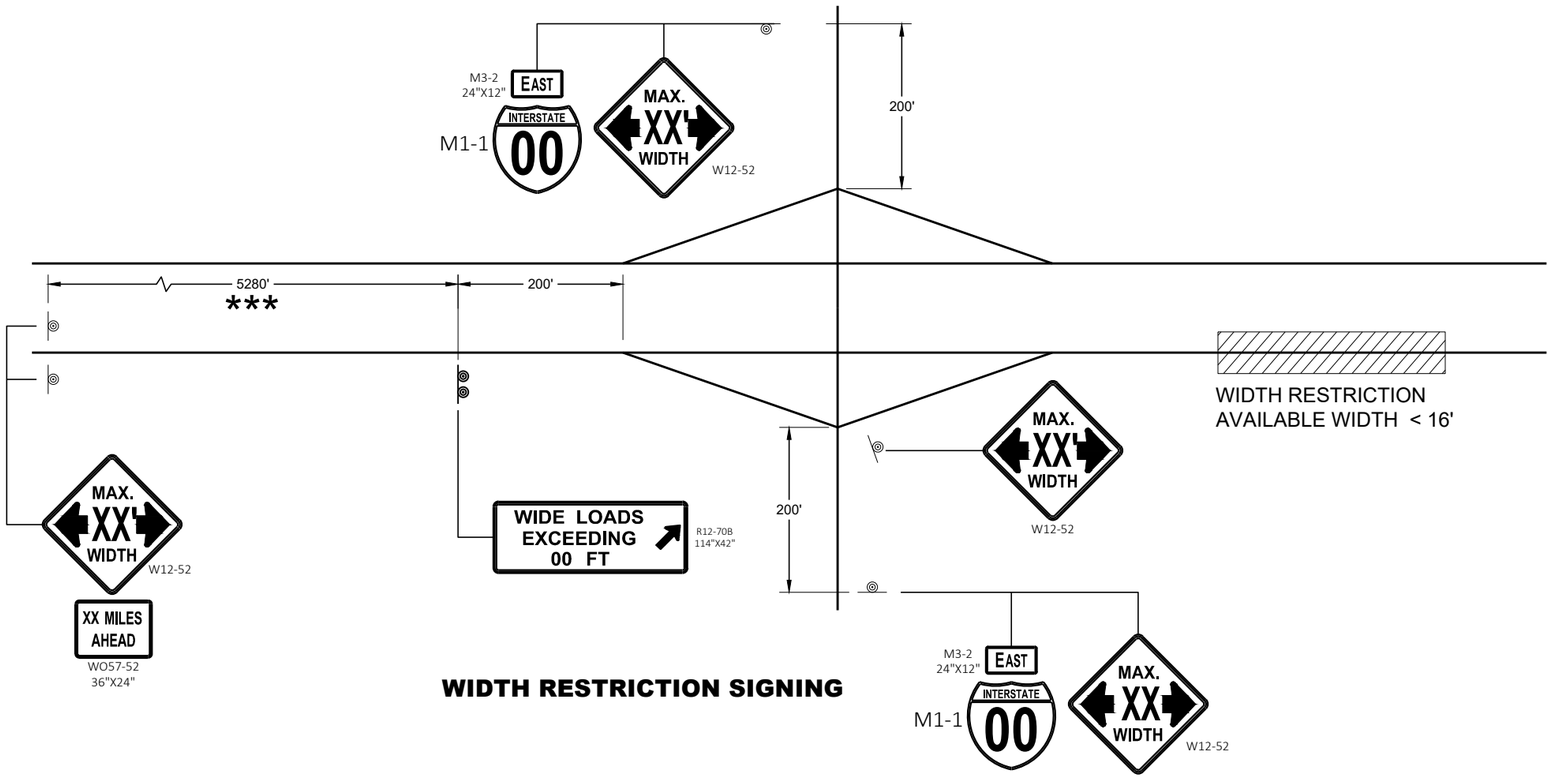
OFF RAMP
LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

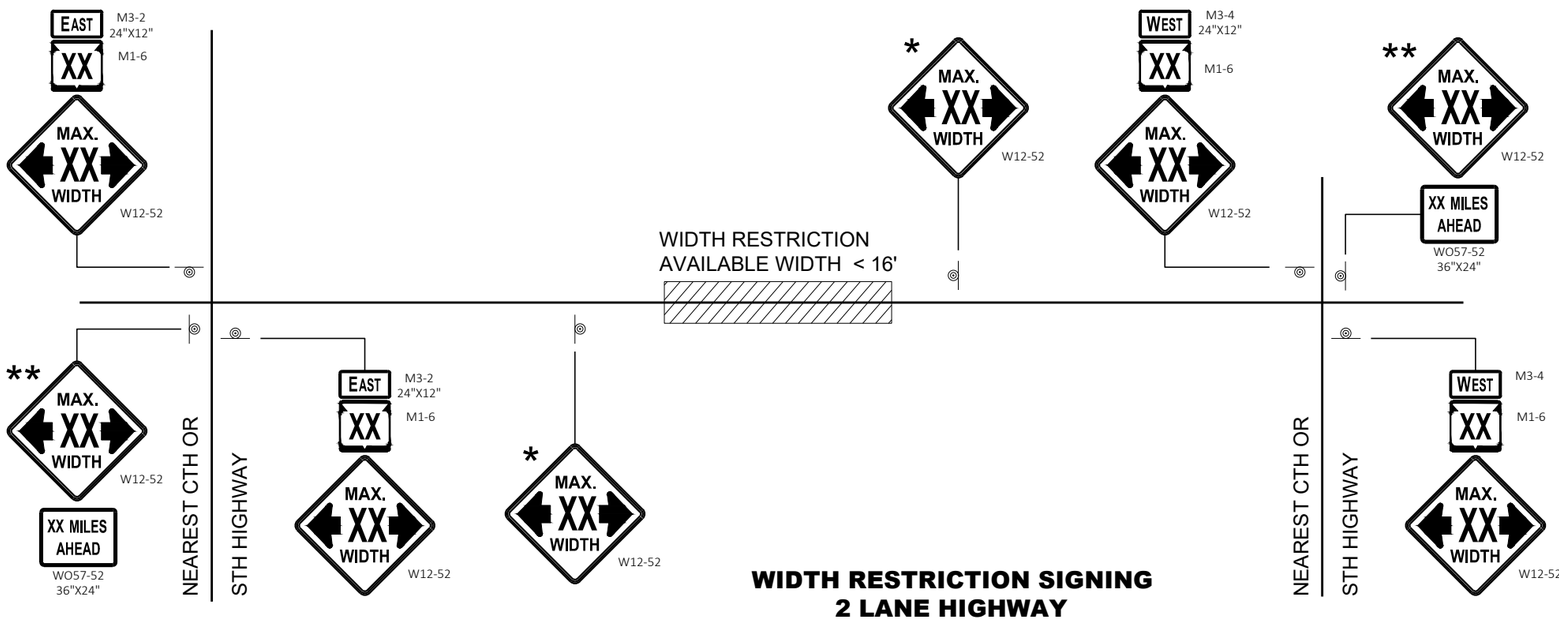
APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

6

SDD 15C02 - 09e
SDD 15C02 - 09e



WIDTH RESTRICTION SIGNING



WIDTH RESTRICTION SIGNING
2 LANE HIGHWAY

LEGEND

◎ SIGN ON PERMANENT SUPPORT

GENERAL NOTES

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

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

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

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

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

WIDTH ON SIGN TO BE APPROXIMATELY ONE FOOT LESS THAN AVAILABLE WIDTH.

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

** SIGN SHALL BE VISIBLE FROM ROADWAY.

*** ADDITIONAL SIGNS NEEDED IF THERE IS AN ON RAMP BETWEEN SIGNS.



WIDTH ON SIGN TO BE APPROX. 1 - FOOT LESS THAN AVAILABLE WIDTH

ADVANCED WIDTH RESTRICTION SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

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SDD 15C02 - 09f

6

SDD 15C02 - 09f

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.

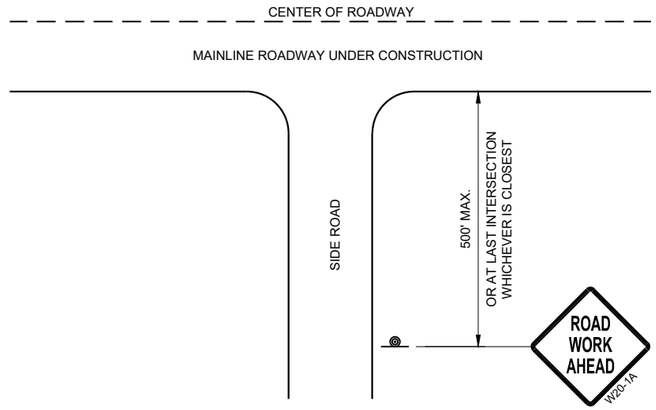
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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.



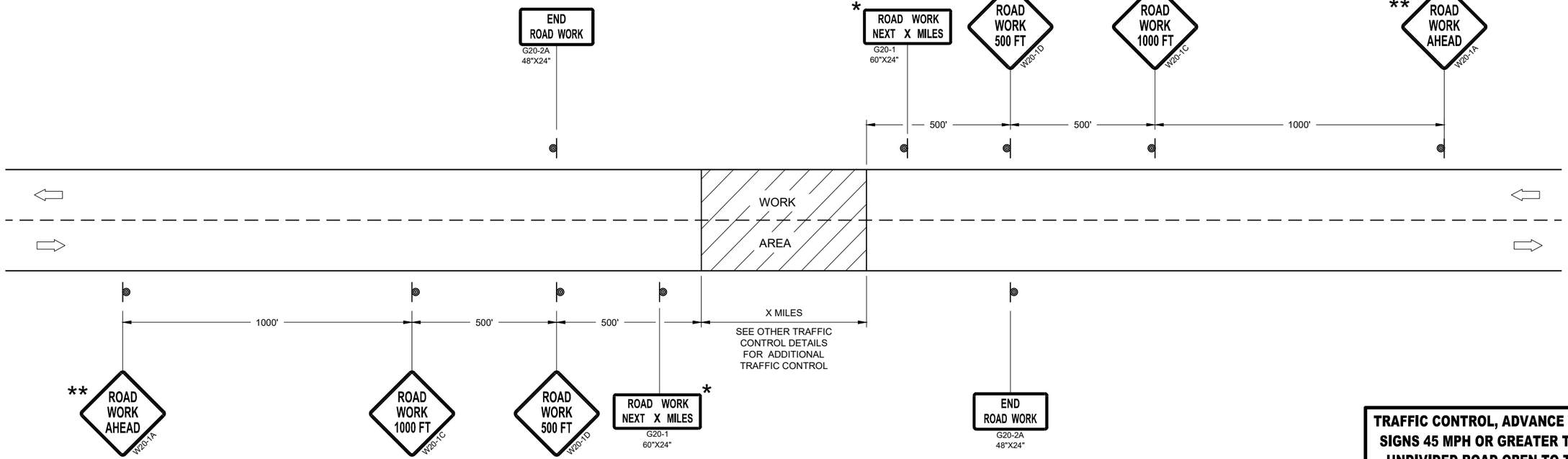
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

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

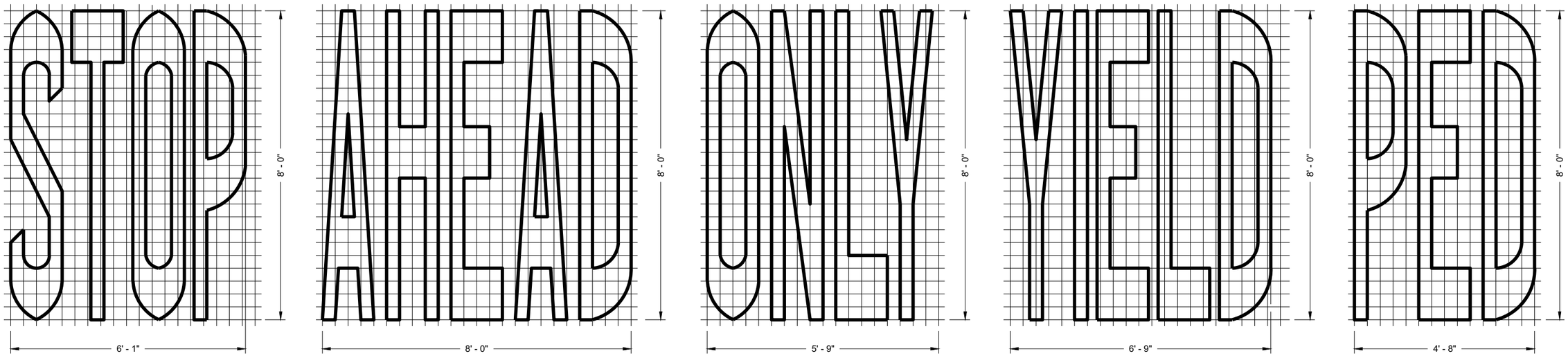
APPROVED
July 2018
DATE

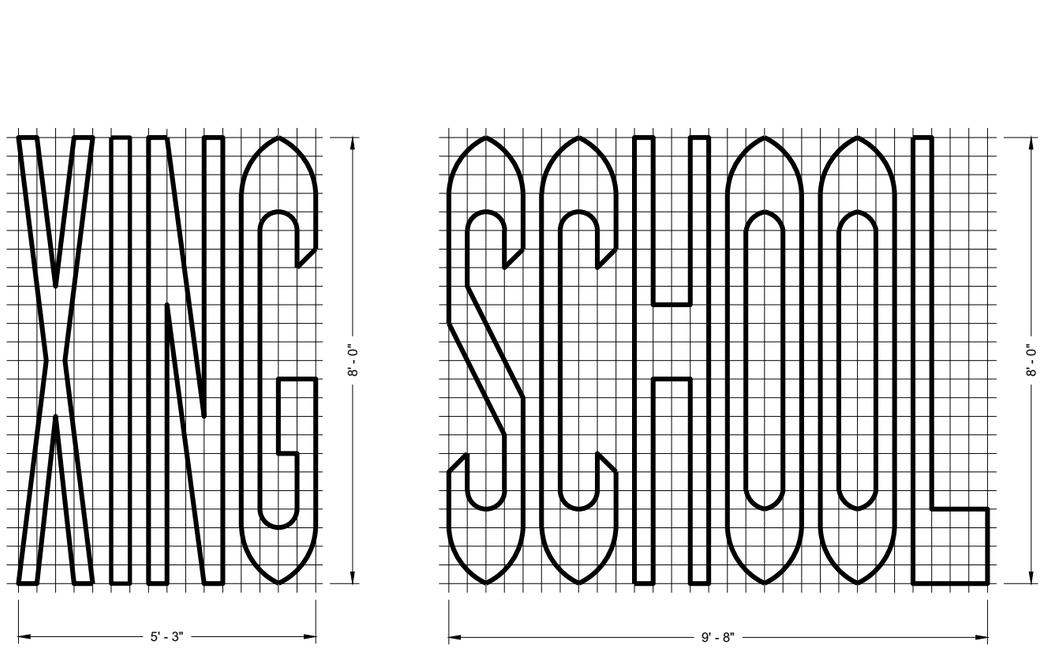
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

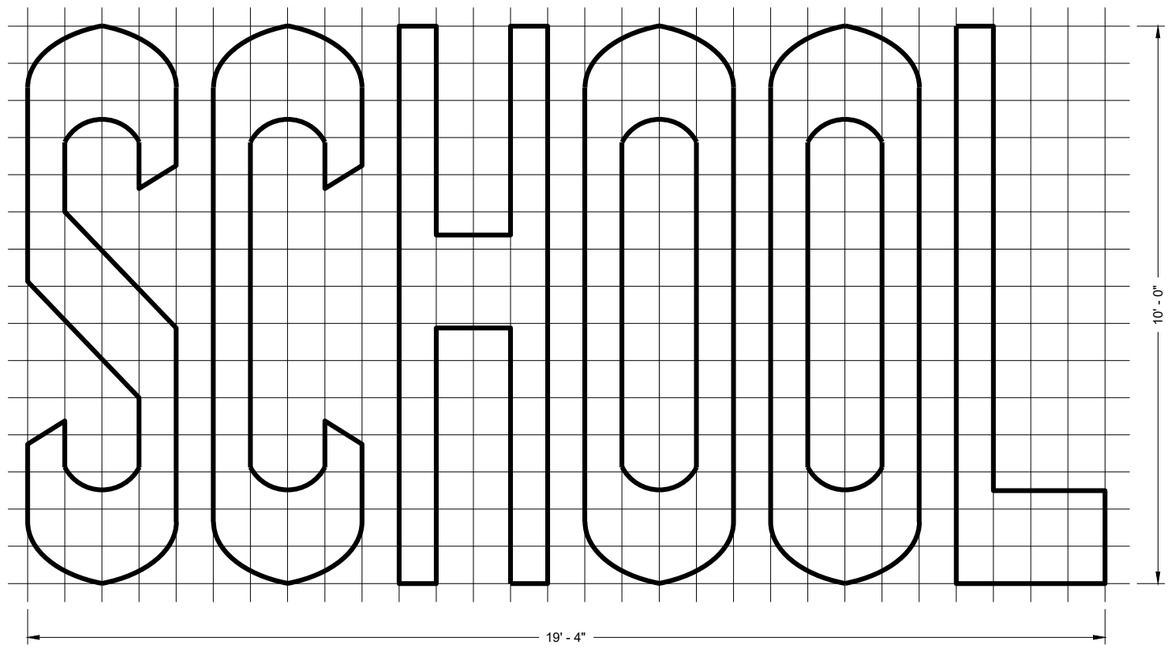
6

SDD 15C04 - 05





SINGLE LANE



TWO - LANE

GENERAL NOTES

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

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

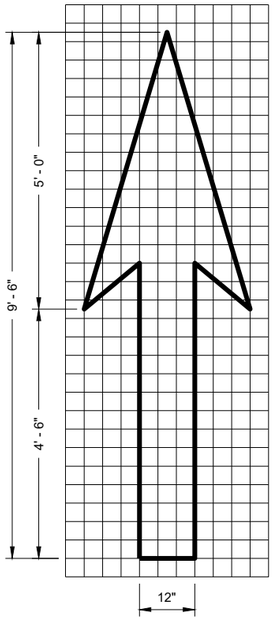
/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

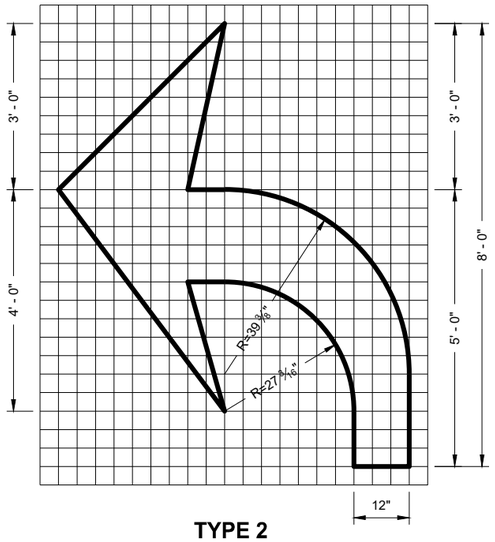
6

SDD 15C07 - 15b

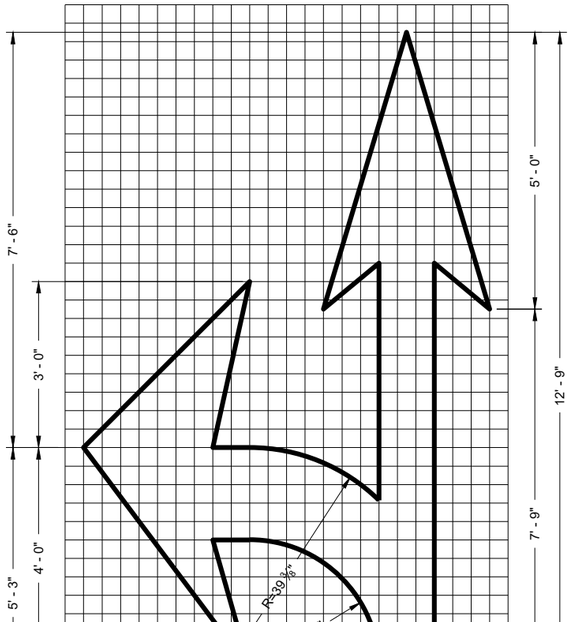
SDD 15C07 - 15b



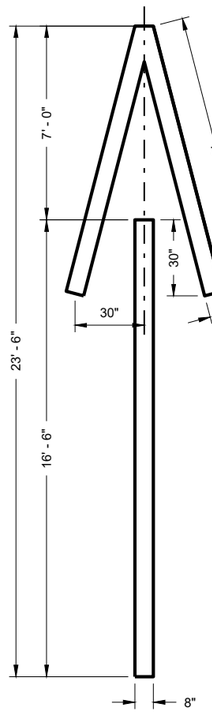
TYPE 1



TYPE 2



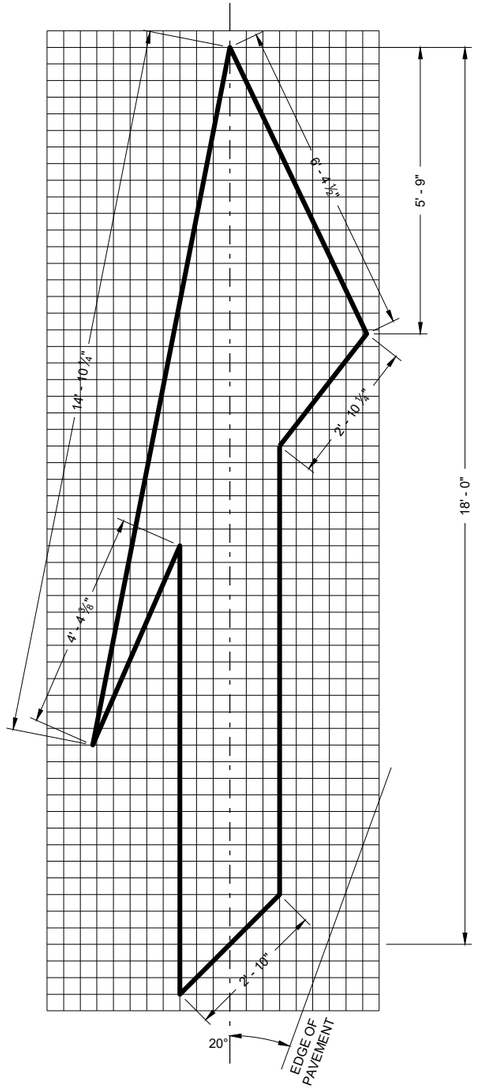
TYPE 3



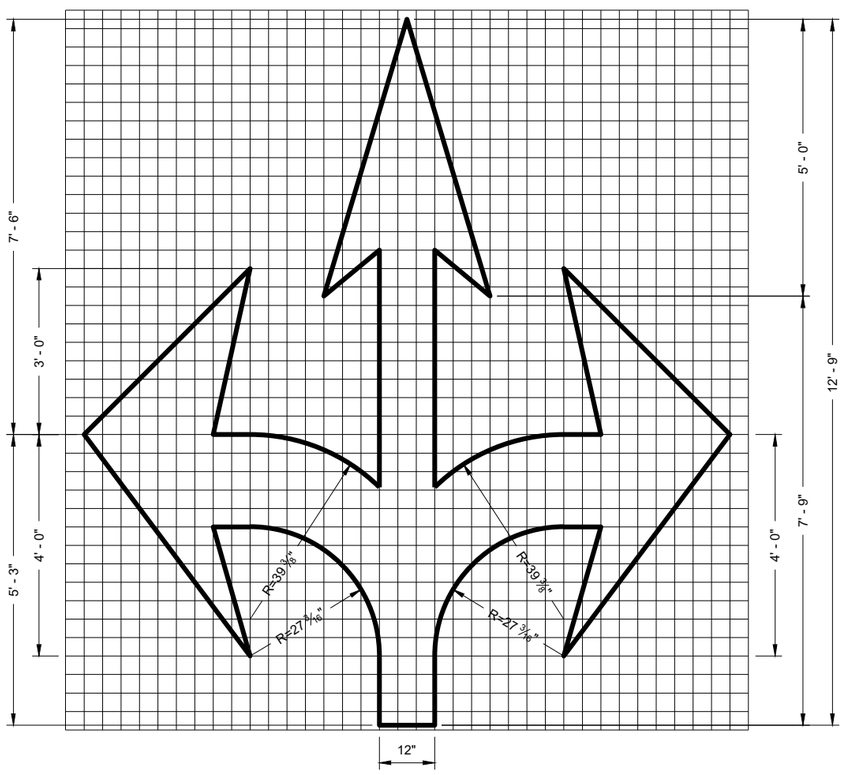
TYPE 4

GENERAL NOTES

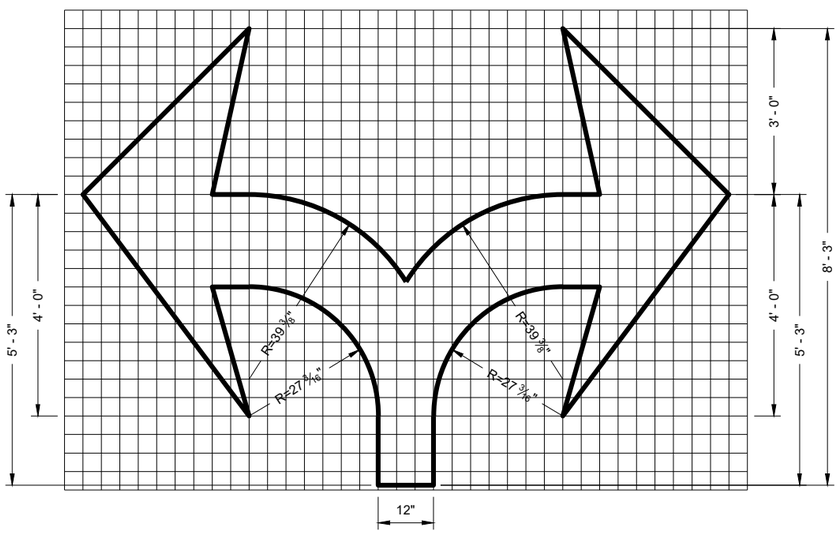
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER

FHWA

464

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SDD 15C07 - 15c

6

SDD 15C07 - 15c

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.

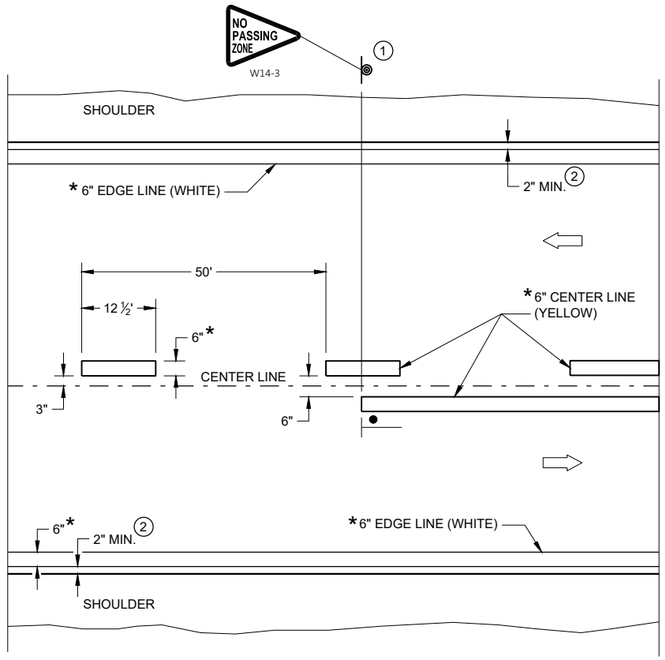
* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

LEGEND

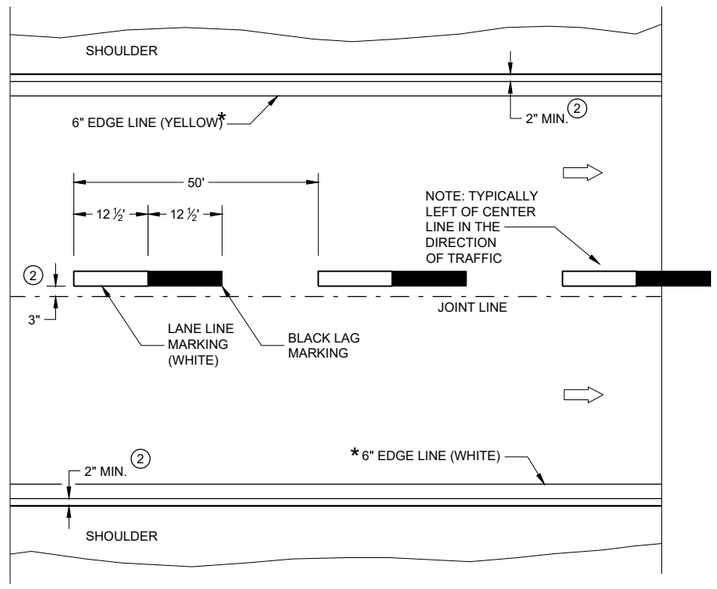
"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2023
DATE

/S/ Jeannie Silver
STATEWIDE SIGNING AND M
ENGINEER

FHWA

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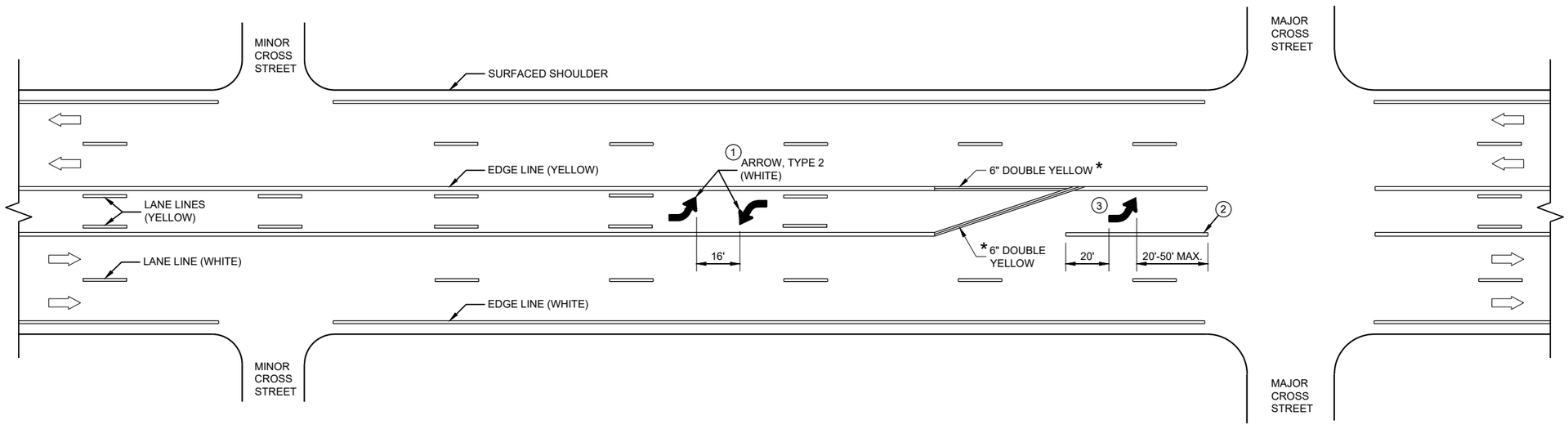
SDD 15C08-23a

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 10" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

DIRECTION OF TRAFFIC

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY LEFT TURN LANE

PAVEMENT MARKING (TURN LANES)

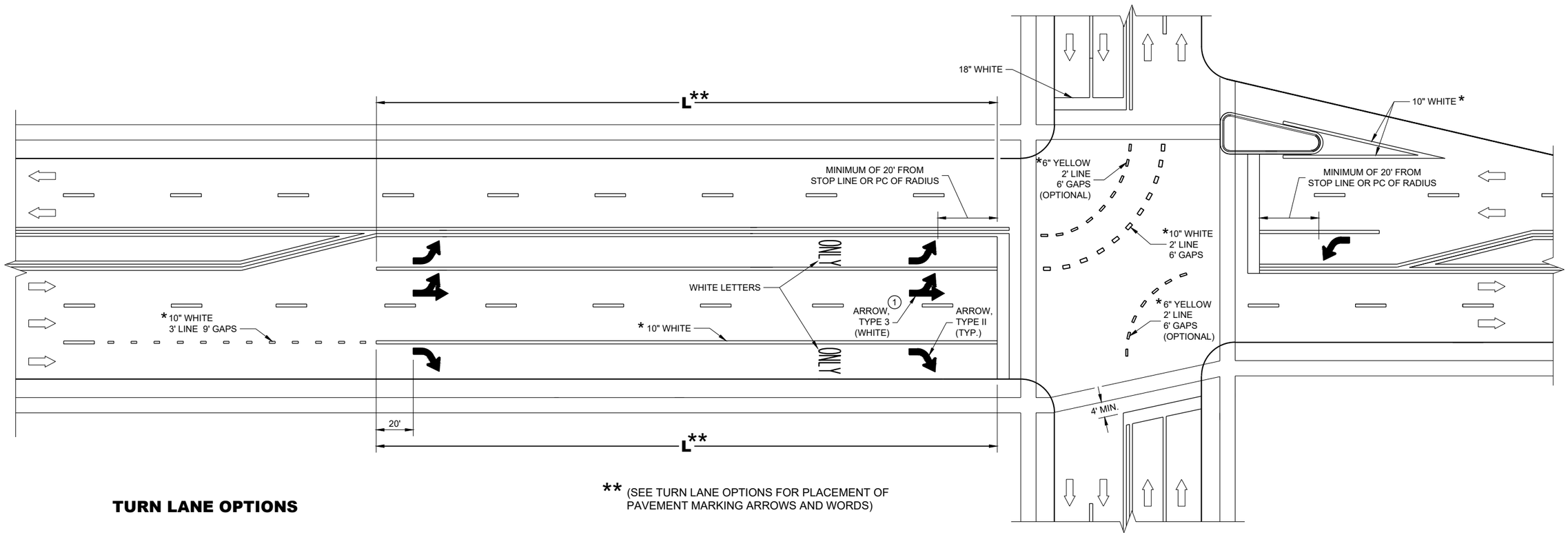
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA· 466

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SDD 15C08-23c

6

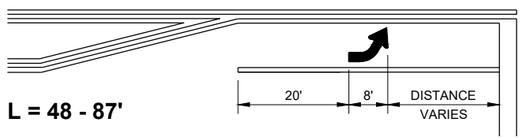
SDD 15C08-23c



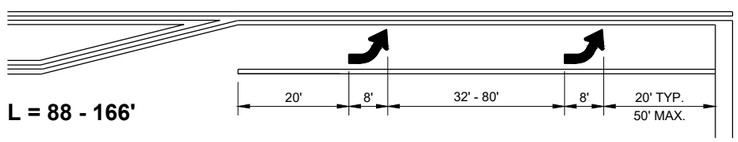
** (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

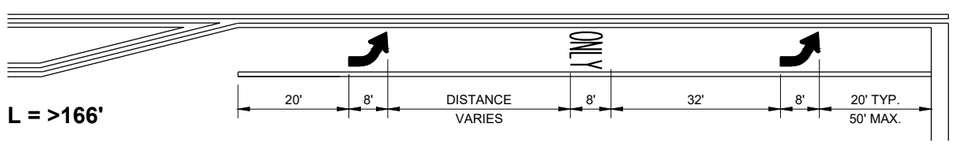
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

1. QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

DIRECTION OF TRAFFIC

L = LENGTH OF TURN BAY

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

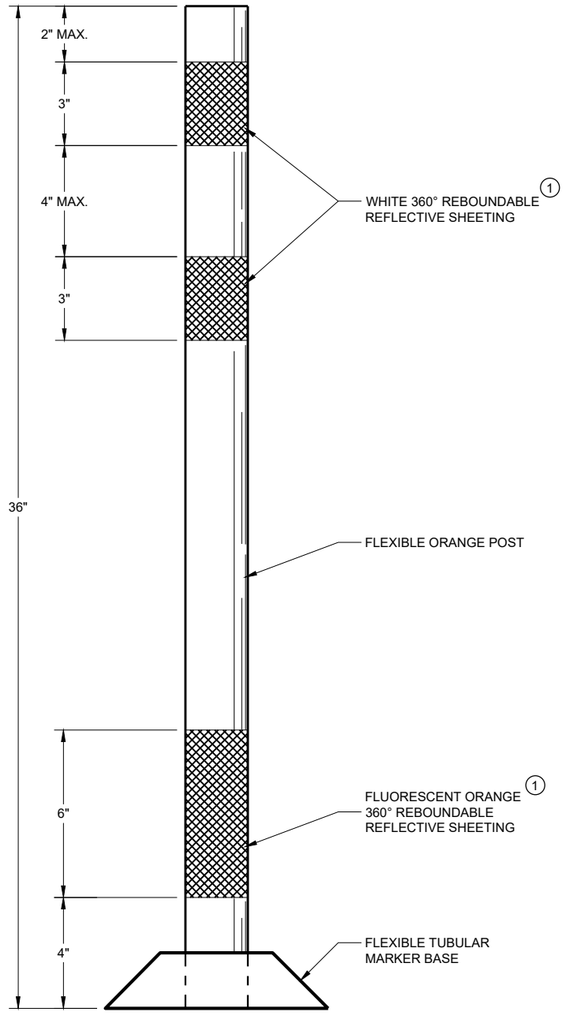
PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C08-23d

SDD 15C08-23d



FLEXIBLE TUBULAR MARKER POST WORK ZONE

GENERAL NOTES

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

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

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

CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

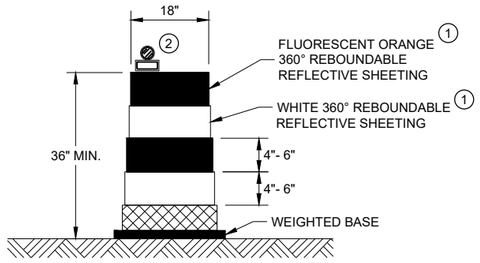
APPROVED
November 2022
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

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SDD 15C11 - 10a

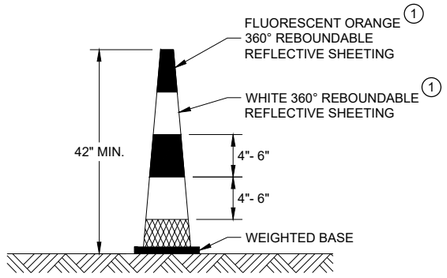
GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

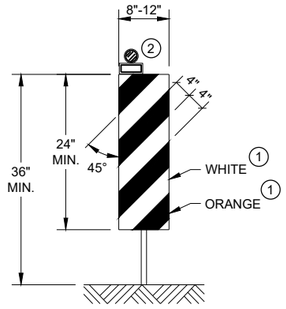
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

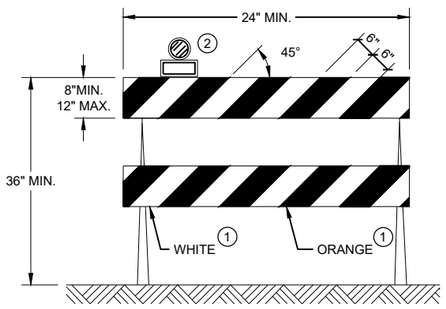
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



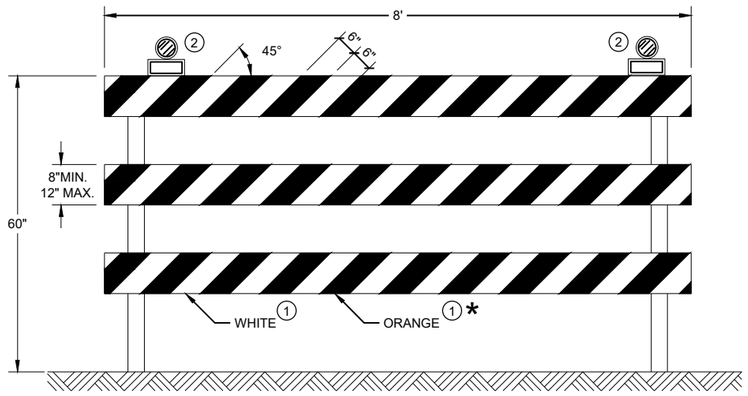
VERTICAL PANEL

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



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

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

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15C11 - 10b
SDD 15C11 - 10b

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

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

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

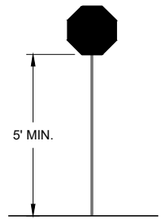
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.



STOP/SLOW PADDLE ON SUPPORT STAFF

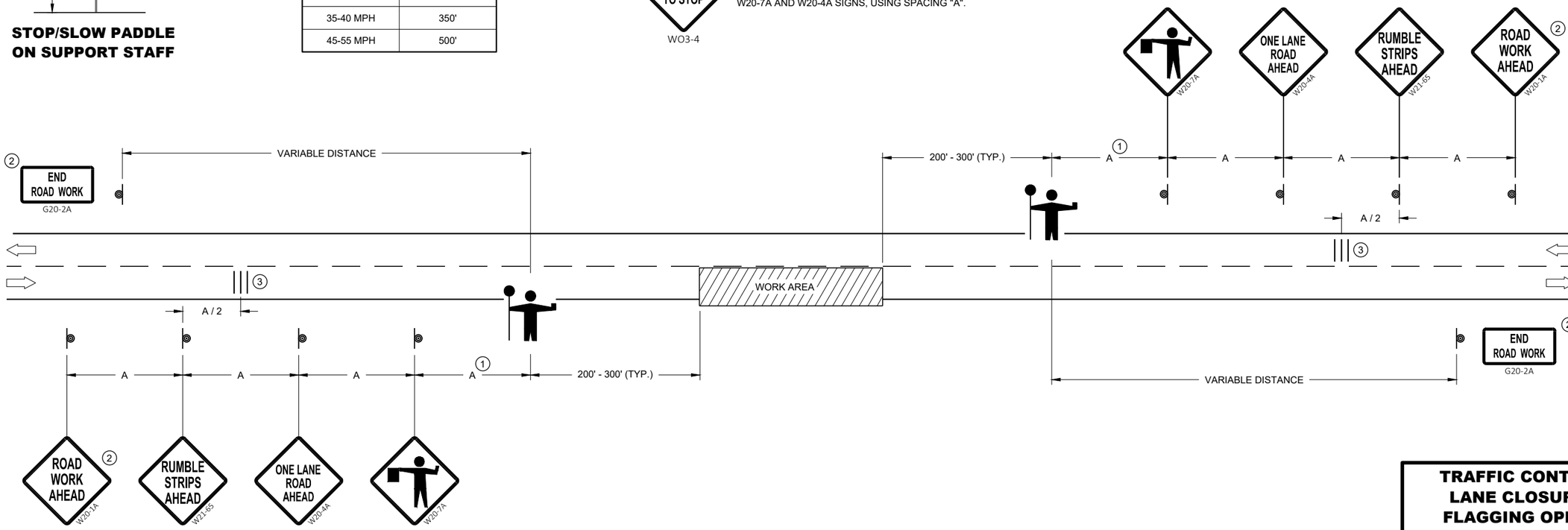
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

470

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SDD 15C12 - 09a

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SDD 15C12 - 09a

LEGEND

V1 MARKING VEHICLE

V2 SHADOW VEHICLE

V3 TRAIL VEHICLE

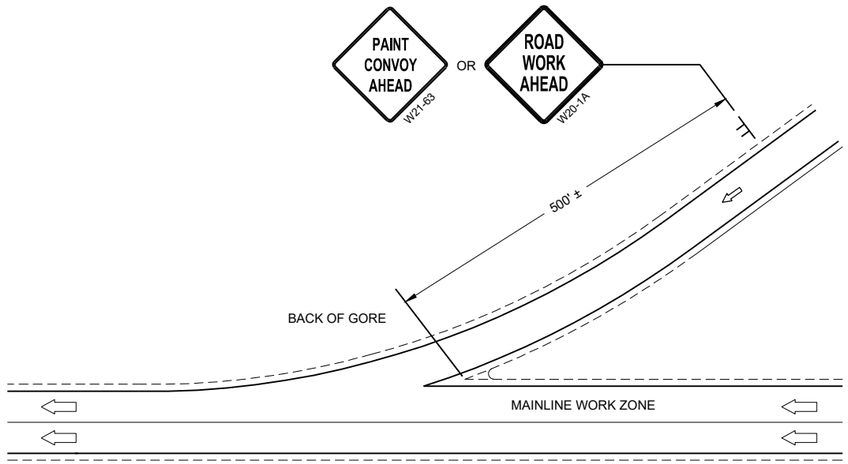
TRUCK MOUNTED ATTENUATOR (TMA)

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

FLASHING ARROW PANEL (MERGE)

FLASHING ARROW PANEL (CAUTION)



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. 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.

WHEN WORK ACTIVITY BLOCKS THE LEFT LANE, REVERSE TRAFFIC CONTROL.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.

IF THE SHOULDER IS TOO NARROW TO ACCOMMODATE THE LAST TRAILING VEHICLE, THE VEHICLE SHOULD STRADDLE THE EDGE LINE.

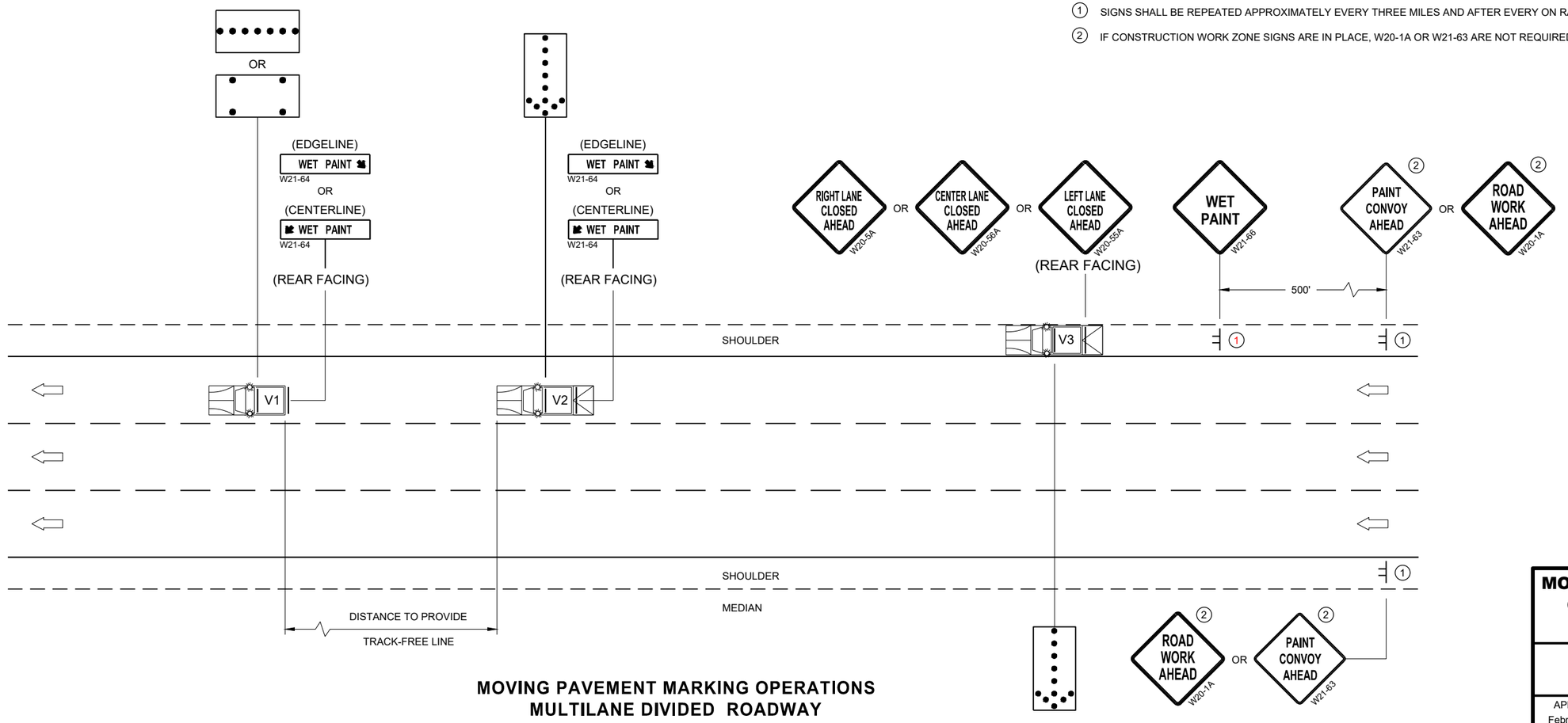
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC

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 HEIGHT OF 28" FOR WET PAVEMENT MARKINGS

(1) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES AND AFTER EVERY ON RAMP.

(2) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.



MOVING PAVEMENT MARKING OPERATIONS
MULTILANE DIVIDED ROADWAY

MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2023
DATE

/S/ Andrew [illegible]
WORK ZONE EN

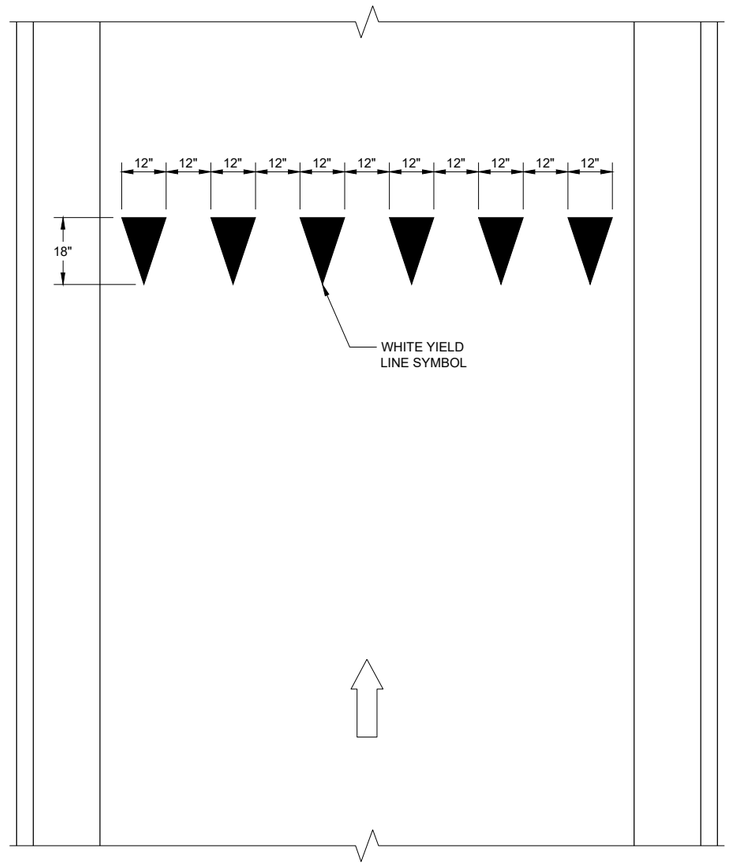
FHWA

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SDD 15C19-08c

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SDD 15C19-08c

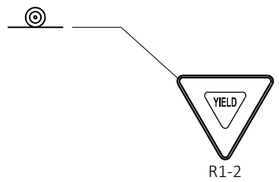


YIELD LINE

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAVEL



R1-2

YIELD MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4-81-2016
DATE

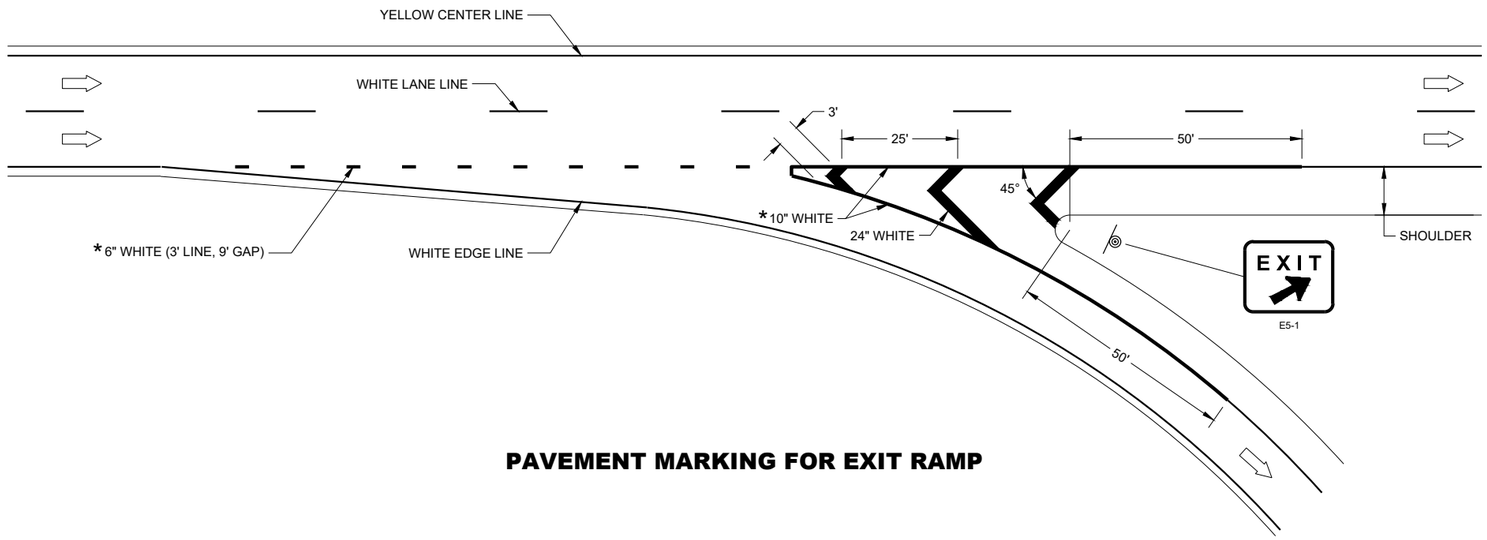
/S/ Matthew R. Rauch
STATE SIGNING AND MAR ENGINEER

FHWA

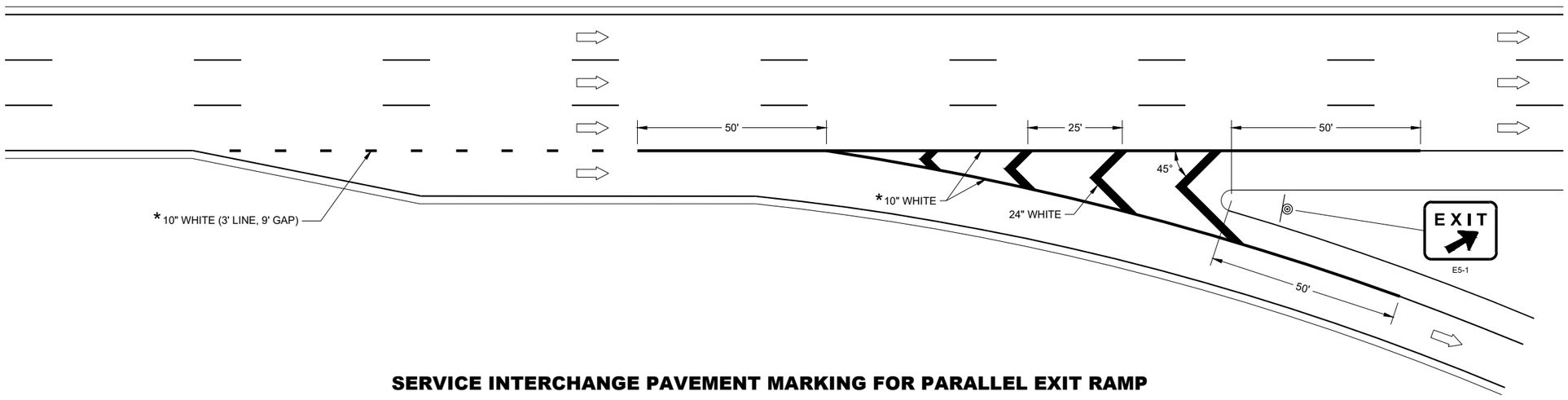
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SDD 15C20 - 02

SDD 15C20 - 02



PAVEMENT MARKING FOR EXIT RAMP



SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL EXIT RAMP

GENERAL NOTES

PLACE GROOVE 3 INCHES LEFT OF JOINT.

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAVEL

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

6

SDD 15C31-05a

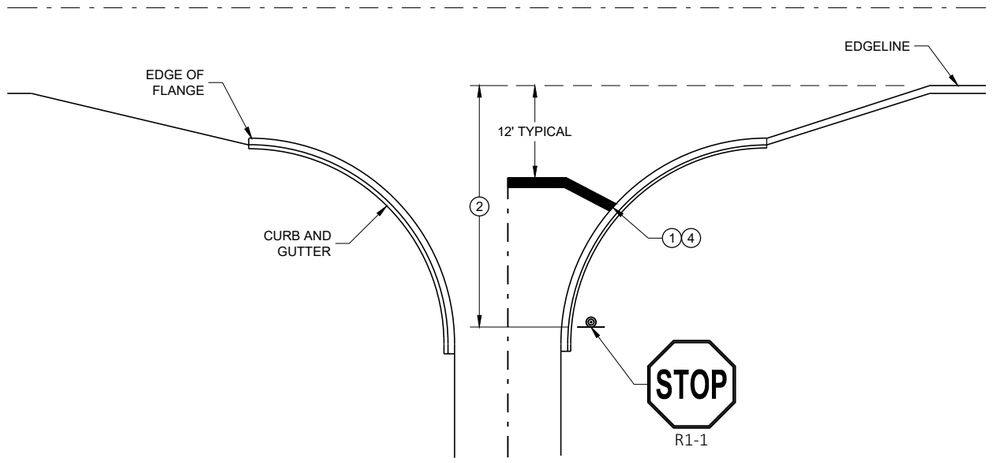
PAVEMENT MARKING, EXIT RAMP AND PARALLEL EXIT RAMP

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

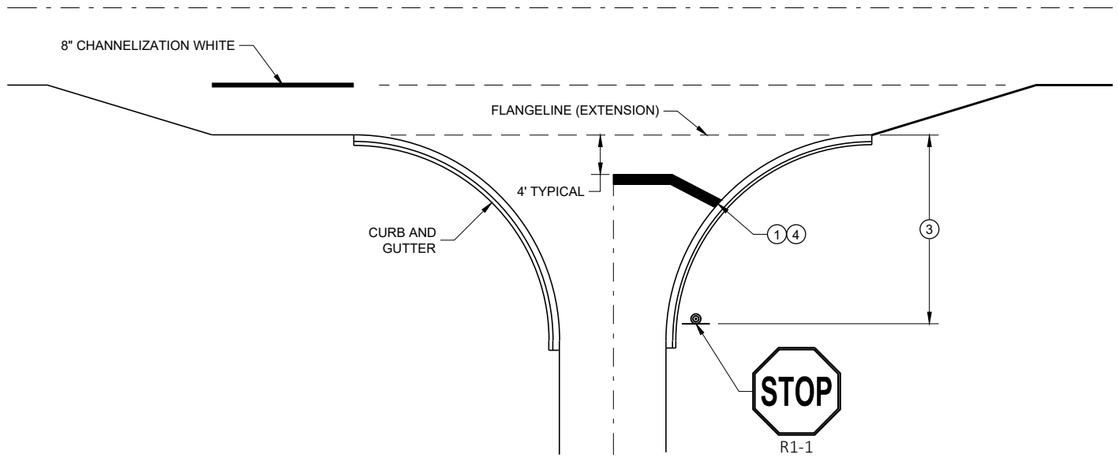
GENERAL NOTES

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

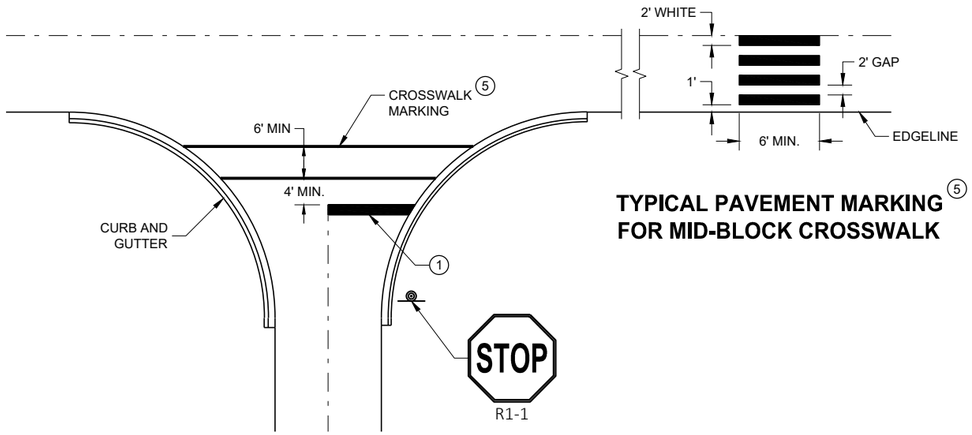
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE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



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

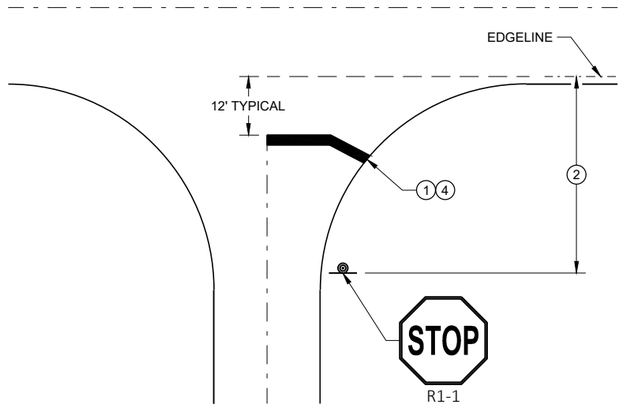


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

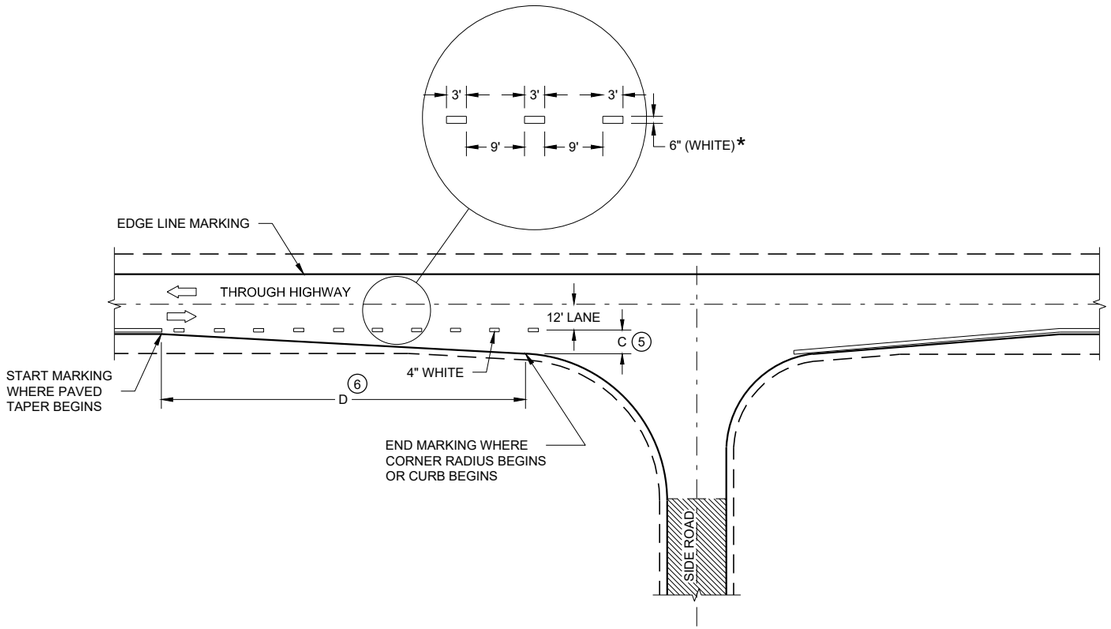
APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MARKING ENGINEER

FHWA

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SDD 15C33 - 04



MINOR INTERSECTION

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

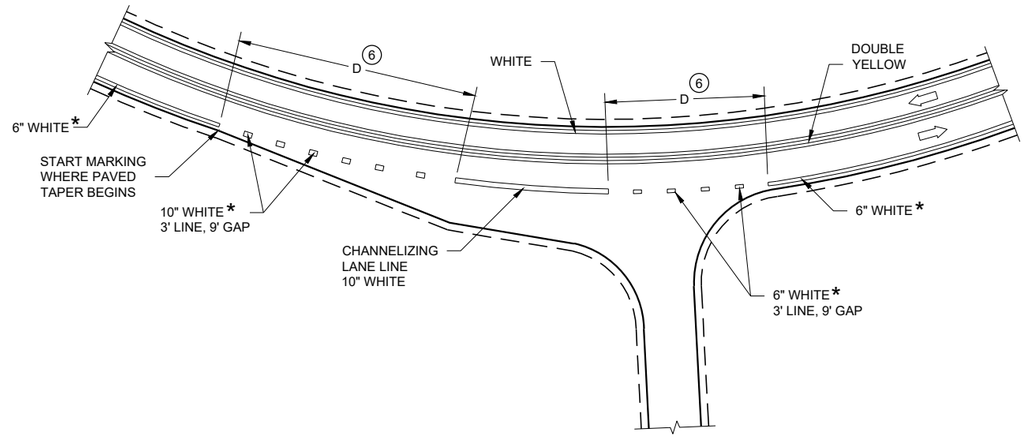
GENERAL NOTES

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

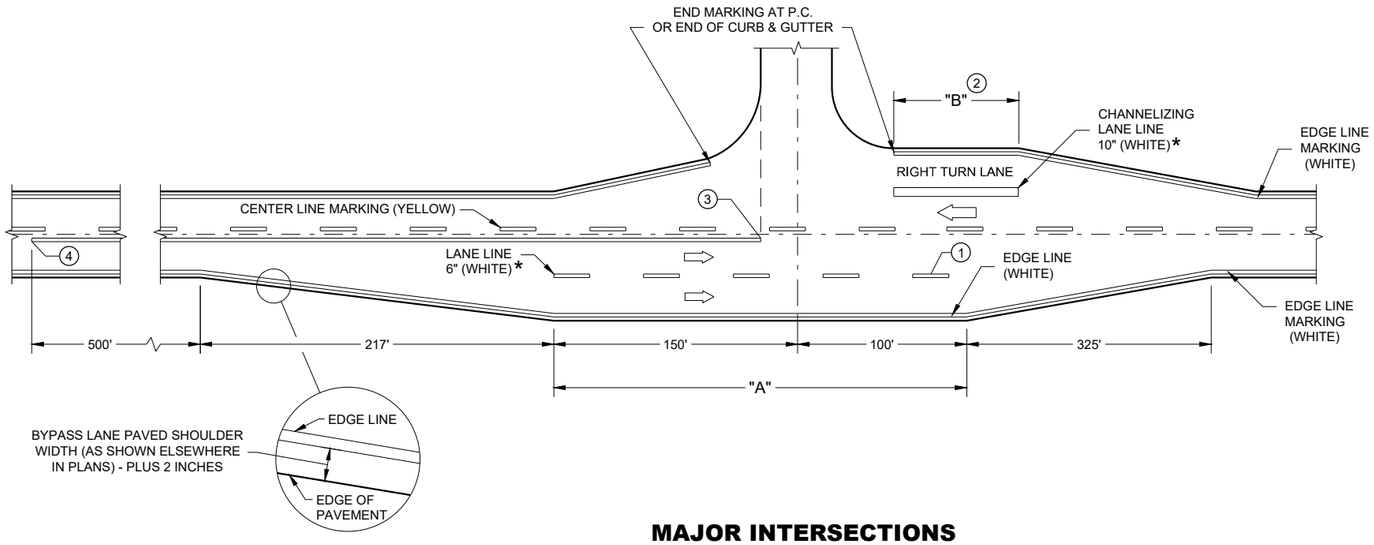
1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
5. WHEN DISTANCE "C" IS LESS THAN 4 FEET,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

LEGEND

DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

PAVEMENT MARKING (INTERSECTIONS)

SDD 15C35-06a

6

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- DELINEATOR, FLEXIBLE/TUBULAR MARKER
- TEMPORARY DELINEATOR (STEEL POST W/SINGLE DELINEATOR)
- PORTABLE CRASH CUSHION
- CONCRETE BARRIER TEMPORARY PRECAST
- REMOVE PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

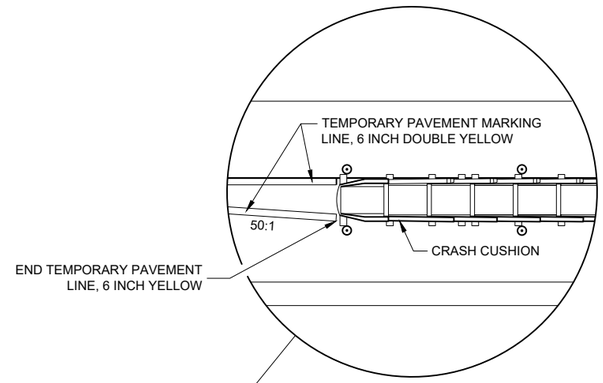
"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

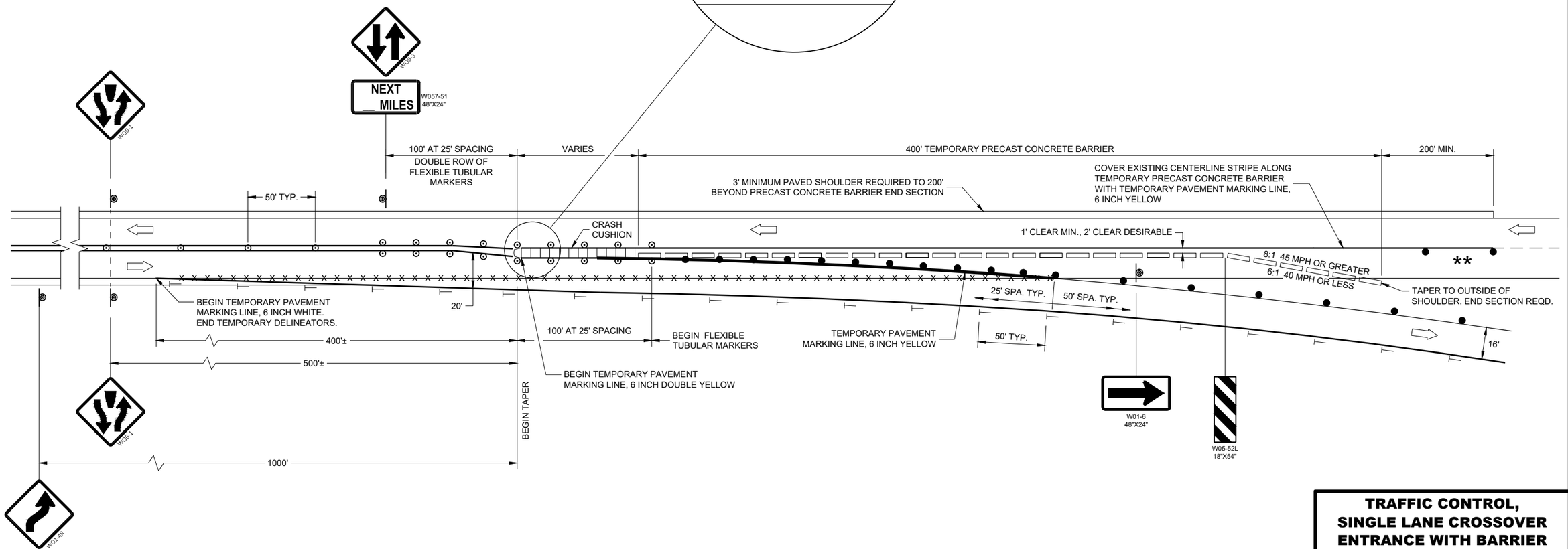
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

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.

** SEE SDD 15D12 FOR LANE CLOSURE DETAILS.





TRAFFIC CONTROL, SINGLE LANE CROSSOVER ENTRANCE WITH BARRIER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6
SDD 15D05-06

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.

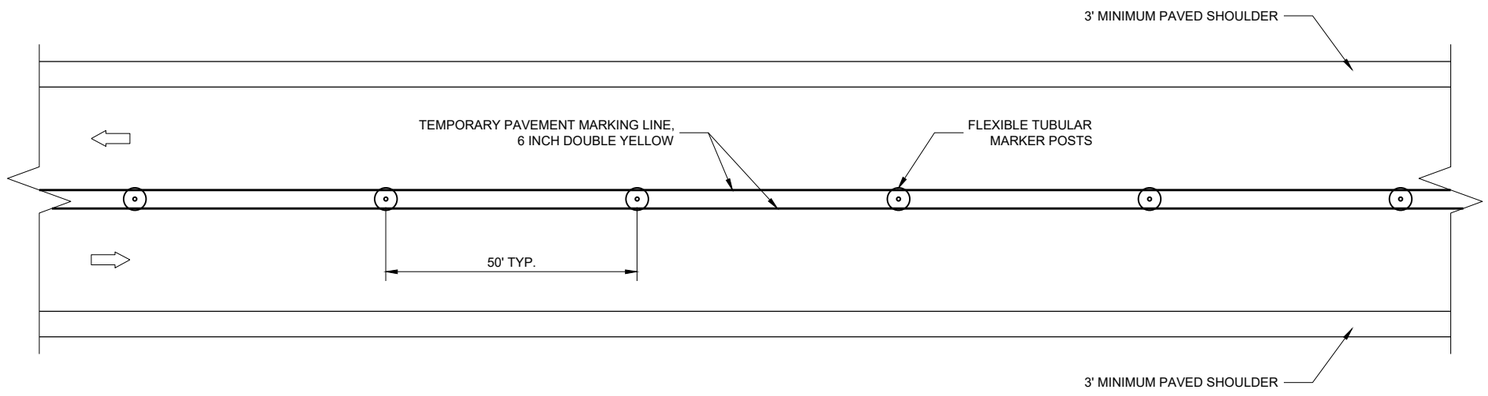
COVER EXISTING CENTERLINE STRIPE WITH TEMPORARY PAVEMENT MARKING LINE, 6 INCH DOUBLE YELLOW.



(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 15D06-06

TRAFFIC CONTROL
TWO LANE TWO WAY OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE 477

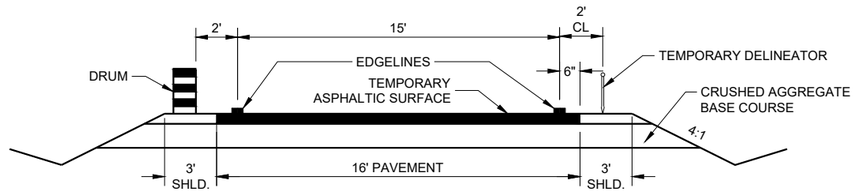
FHWA

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SDD 15D06-06

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- DELINEATOR FLEXIBLE / TUBULAR MARKER
- TEMPORARY DELINEATOR - WHITE (STEEL POST WITH SINGLE DELINEATOR)
- TYPE "A" WARNING LIGHT (FLASHING)
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- FLAGS, 16" X 16" MIN., ORANGE
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKINGS
- WORK AREA
- TEMPORARY CROSSOVER ASPHALTIC PAVEMENT



TYPICAL RAMP CROSSOVER ROADWAY DIMENSIONS

** ADJUST RAMP SPEED AS NEEDED IN THE FIELD. DISTANCE TO SIGN LOCATION SHALL ALSO BE PLACED ACCORDING TO TABLE.

** TABLE FOR ADVANCE WARNING SIGN DISTANCE (FT)

POSTED SPEED LIMIT (MPH)	DESIRED EXIT RAMP SPEED (MPH)					
	10	20	30	40	50	60
45	350	300	250			
50	425	400	325	225		
55	500	475	400	300		
60	575	550	500	400	300	
65	650	625	575	500	375	100
70	650	625	575	500	375	375

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.

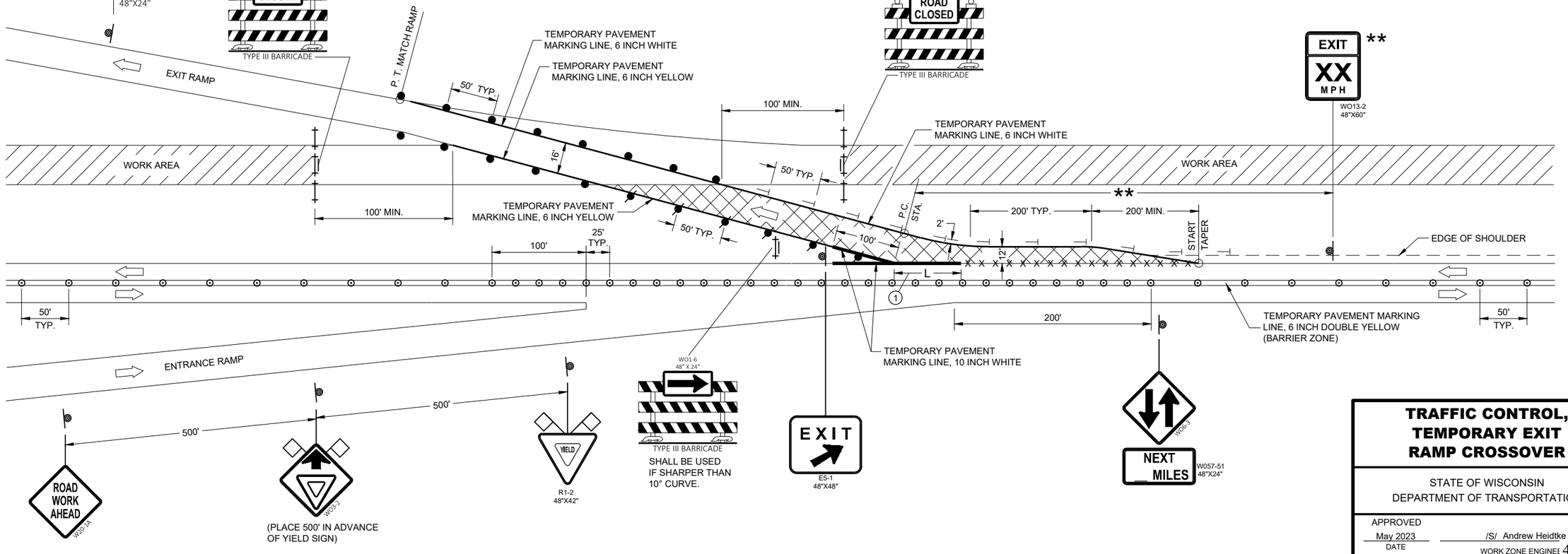
THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

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

WORK ALONG EDGES OF RAMP SHALL MAINTAIN A 10 FOOT AREA CLEAR OF PHYSICAL OBSTRUCTIONS SUCH AS DROP OFFS FROM PAVEMENT REMOVAL OR BROKEN CONCRETE CHUNKS DURING PAVEMENT REMOVAL. THESE AREAS SHALL BE LEVELED WITH TEMPORARY FILL TO PROTECT THE TRAVELING PUBLIC WHEN THE CONTRACTOR IS NOT WORKING ADJACENT TO THE CROSSOVER.

TRAFFIC CONTROL FOR RAMP CROSSOVERS ARE TYPICAL FOR ALL CONSTRUCTION PHASES.

(1) LENGTH "L" SHALL BE REQUIRED WHEN TANGENT LENGTH OF EXIT RAMP PARALLEL TO MAINLINE EXCEEDS 300 FEET. LENGTH SHALL BE EQUAL TO THE EXIT RAMP TANGENT LENGTH MINUS 300 FEET OR AS APPROVED BY THE ENGINEER AND SHALL CHANGE TO ACCOMMODATE PAVING GAPS.



TRAFFIC CONTROL, TEMPORARY EXIT RAMP CROSSOVER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

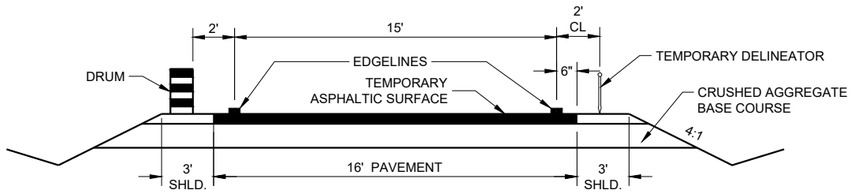
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6
SDD 15D07-06

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- DELINEATOR FLEXIBLE / TUBULAR MARKER
- TEMPORARY DELINEATOR - WHITE (STEEL POST WITH SINGLE DELINEATOR)
- TYPE "A" WARNING LIGHT (FLASHING)
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- FLAGS, 16" X 16" MIN., ORANGE
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKINGS
- WORK AREA
- TEMPORARY CROSSOVER ASPHALTIC PAVEMENT



TYPICAL RAMP CROSSOVER ROADWAY DIMENSIONS

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.

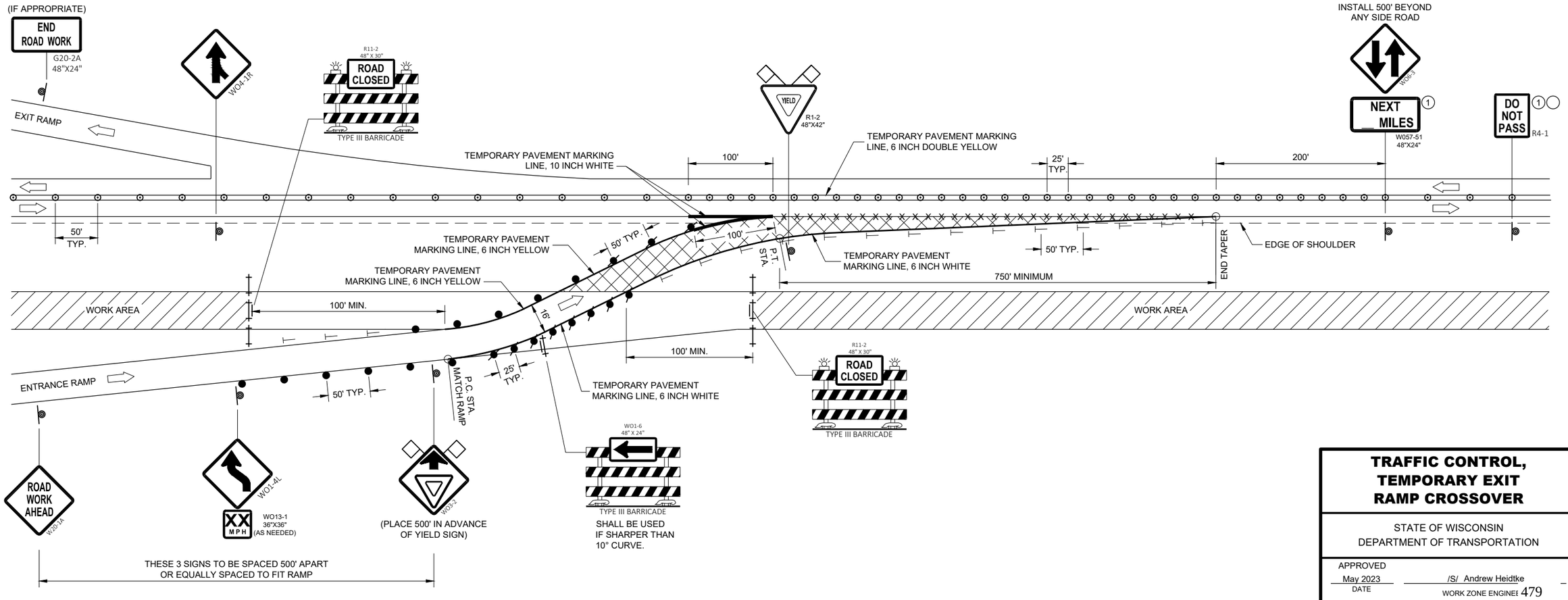
THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS.

WORK ALONG EDGES OF RAMP SHALL MAINTAIN A 10 FOOT AREA CLEAR OF PHYSICAL OBSTRUCTIONS SUCH AS DROP OFFS FROM PAVEMENT REMOVAL OR BROKEN CONCRETE CHUNKS DURING PAVEMENT REMOVAL. THESE AREAS SHALL BE LEVELED WITH TEMPORARY FILL TO PROTECT THE TRAVELING PUBLIC WHEN THE CONTRACTOR IS NOT WORKING ADJACENT TO THE CROSSOVER.

TRAFFIC CONTROL FOR RAMP CROSSOVERS ARE TYPICAL FOR ALL CONSTRUCTION PHASES.

(1) INSTALL THE WO6-3 SIGN WITH THE R4-1 SIGN 1000 FEET BEYOND THE WO6-3 SIGN WITH THE WO57-51 AND ALTERNATE THE SEQUENCE OF THESE SIGNS EVERY 1 MILE.

(2) CONVENTIONAL: 24" X 30"
FREEWAY AND EXPRESSWAY: 36" X 48"



TRAFFIC CONTROL, TEMPORARY EXIT RAMP CROSSOVER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

6

SDD 15D08-09

6

SDD 15D08-09

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- DELINEATOR FLEXIBLE / TUBULAR MARKER
- TEMPORARY DELINEATOR (STEEL POST DELINEATOR) COLOR OF DELINEATOR SHALL MATCH THE RESPECTIVE EDGE LINE MARKING
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKINGS

DO NOT PASS (1) R4-1

INSTALL THE R4-1 SIGN 1000 FEET BEYOND THE WO6-3 SIGN WITH THE WO57-51 AND ALTERNATE THE SEQUENCE OF THESE SIGNS EVERY 1 MILE.

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

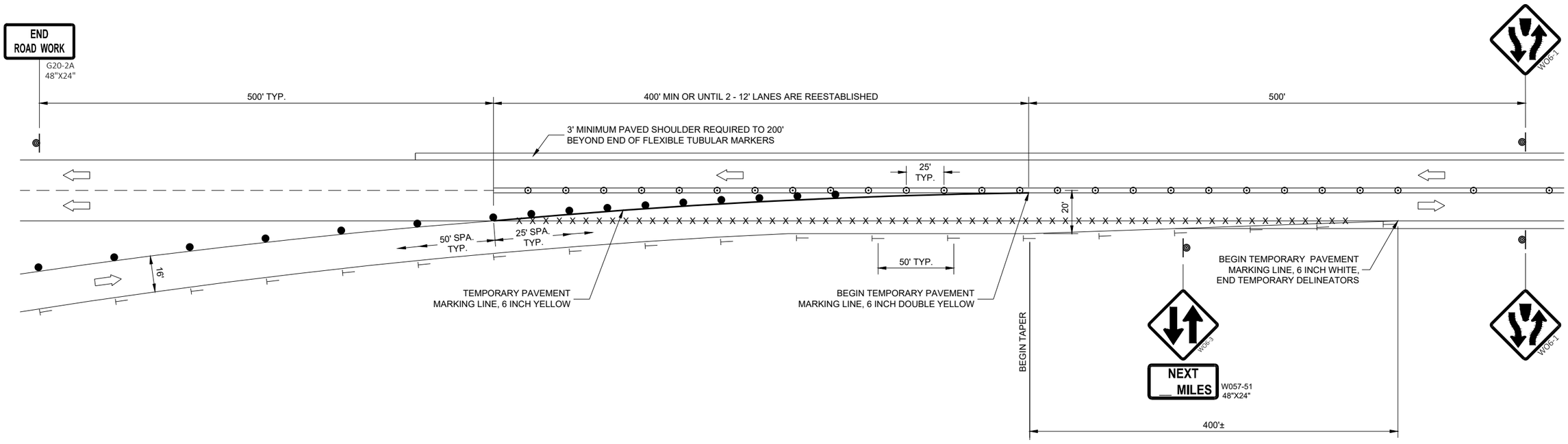
"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

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.

(1) CONVENTIONAL: 24" X 30"
FREEWAY AND EXPRESSWAY: 36" X 48"



6

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SDD 15D09-07

SDD 15D09-07

TRAFFIC CONTROL, SINGLE LANE CROSSOVER EXIT

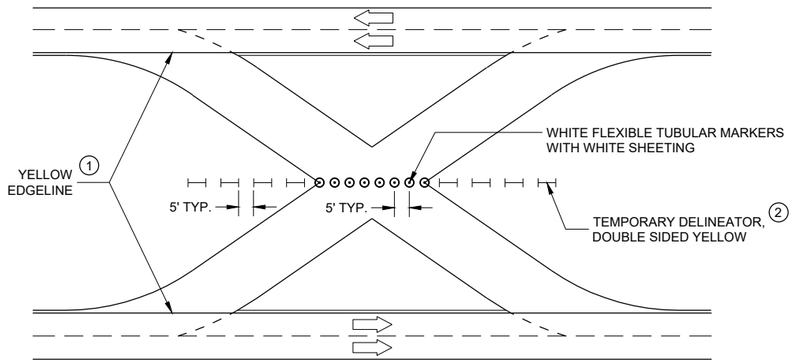
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- DELINEATOR FLEXIBLE / TUBULAR MARKER
- TEMPORARY DELINEATOR (STEEL POST WITH SINGLE DELINEATOR) COLOR OF DELINEATOR SHALL MATCH THE COLOR OF THE RESPECTIVE EDGELINE MARKING
- TEMPORARY DELINEATOR (DOUBLE SIDED)
- TYPE "A" WARNING LIGHT (FLASHING)
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKINGS
- WORK AREA



TRAFFIC CONTROL FOR CROSSOVER THAT IS NOT IN USE

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.

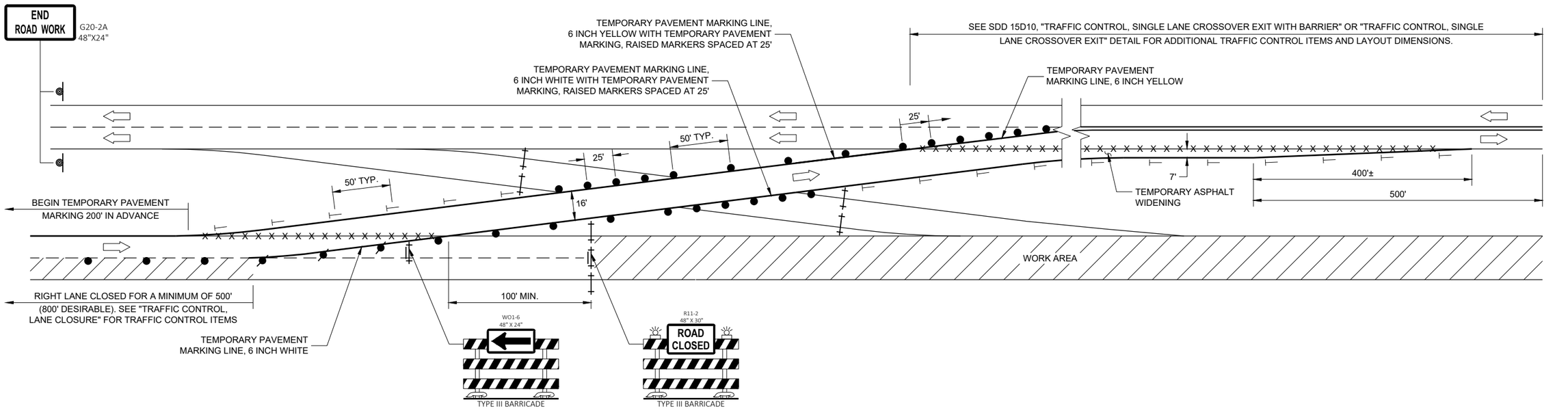
THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

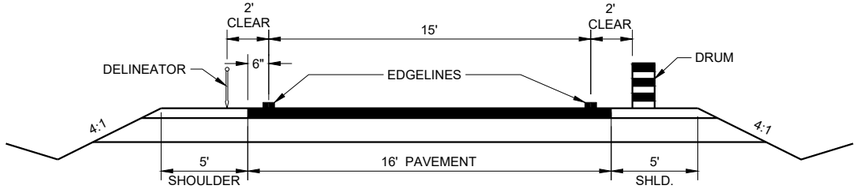
THE SPACING BETWEEN PROPOSED SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS.

REVERSE DEVICES WHEN OTHER LEG OF CROSSOVER IS IN USE.

(1) FOR PERMANENT CROSSOVER, PAVEMENT MARKING SHOULD CONFORM TO SECTION 646 OF THE STANDARD SPECIFICATIONS.

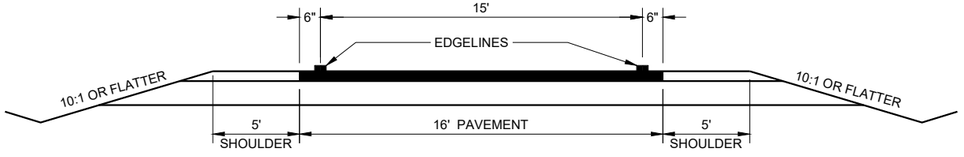
(2) FOR PERMANENT CROSSOVER, INSTALL PERMANENT DELINEATORS ACCORDING TO SECTION 633 OF THE STANDARD SPECIFICATIONS.





TYPICAL TEMPORARY CROSSOVER ROADWAY DIMENSIONS

(SEE PLAN FOR ROADWAY DESIGN ELEMENTS)



TYPICAL CROSSOVER TO REMAIN IN PLACE ROADWAY DIMENSIONS

(SEE PLAN FOR ROADWAY DESIGN ELEMENTS)

TRAFFIC CONTROL, SINGLE LANE CROSSOVER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6
SDD 15D11-09

GENERAL NOTES

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

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

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

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

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

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

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

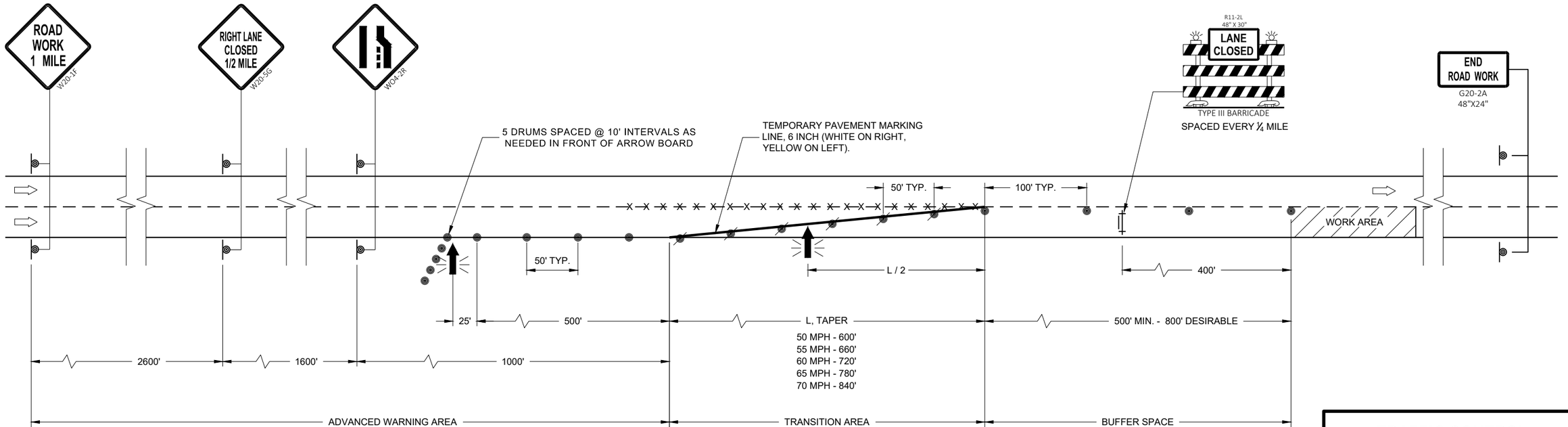
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD



TRAFFIC CONTROL LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D12 - 11a

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SDD 15D12 - 11a

GENERAL NOTES

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

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

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

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

"WO" SIGNS ARE THE SAME AS "W" SIGNS 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.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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

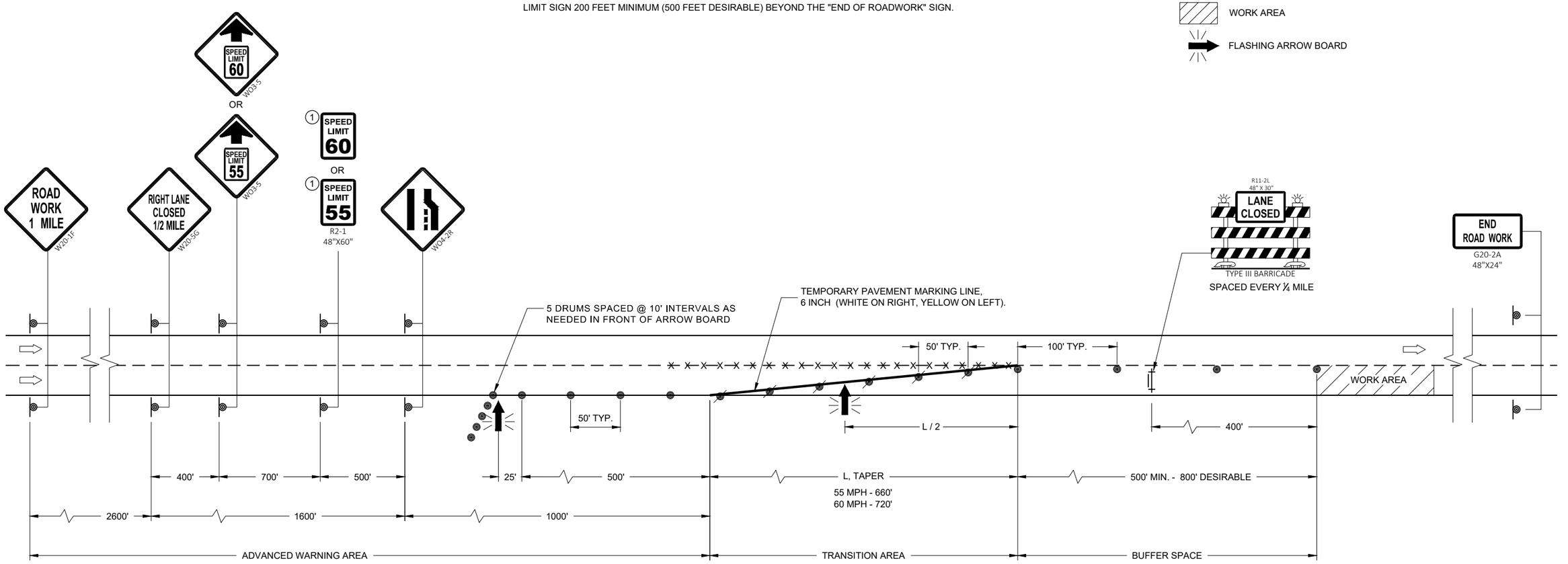
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

(1) A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN A MINIMUM OF EVERY 3 MILES. INCLUDE A RESUME SPEED LIMIT SIGN 200 FEET MINIMUM (500 FEET DESIRABLE) BEYOND THE "END OF ROADWORK" SIGN.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD



TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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SDD 15D12 - 11b

SDD 15D12 - 11b

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD
- (S) PORTABLE TRAFFIC SENSOR (PTS)
- FBS FLASHING BEACON SIGN

GENERAL NOTES

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

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

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

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

"WO" SIGNS ARE THE SAME AS "W" SIGNS 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. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED SIGNS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS

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

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

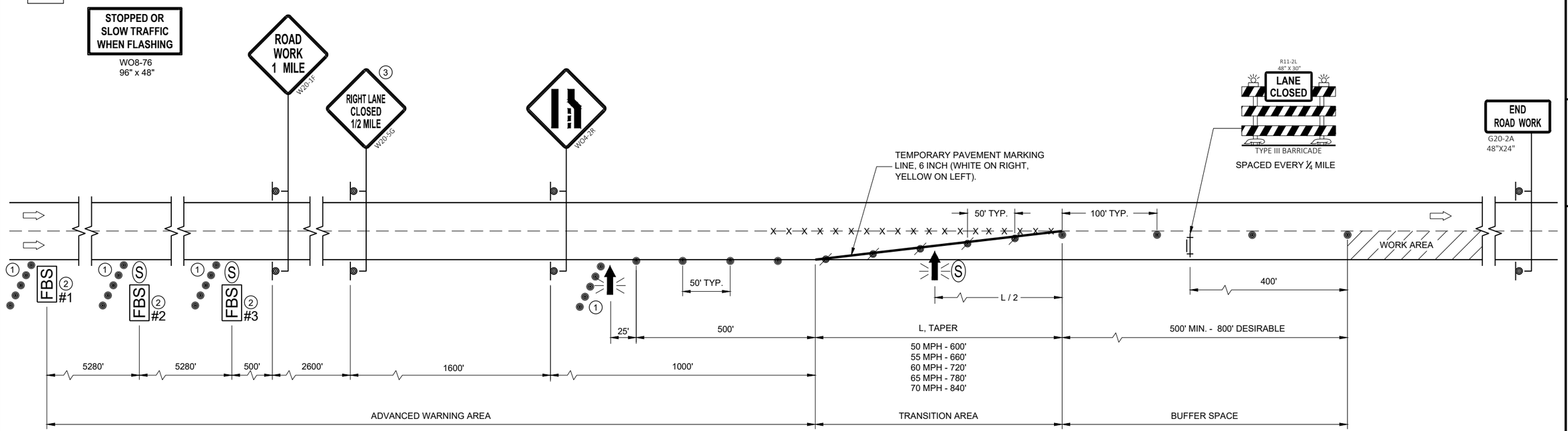
CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

PORTABLE TRAFFIC SENSOR (PTS) MAY BE MOUNTED ON THE FBS, ARROW BOARD OR OTHER TRAILER DEVICES.

① 5 DRUMS SPACED AT 10 FOOT INTERVALS AS NEEDED.

② IF THERE ARE MORE THAN TWO LANES OR IF SPECIFIED IN THE PLANS, PLACE FBS ON BOTH SIDES OF THE ROADWAY.

③ IF THERE IS AN APPROVED TEMPORARY SPEED DECLARATION, ADD WO-3-5 SIGNS 400 FEET AFTER THE W20-5G SIGNS AND ADD R2-1 SIGNS (48"x60") 700 FEET AFTER THE WO3-5 SIGNS. A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN A MINIMUM OF EVERY 3 MILES. INCLUDE A "RESUME SPEED LIMIT" SIGN 200 FEET MINIMUM (800 FEET DESIRABLE) BEYOND THE G30-3A "END ROAD WORK" SIGN.



TRAFFIC CONTROL, LANE CLOSURE, BASIC TRAFFIC QUEUE WARNING SYSTEM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Erin Schwark
WORK ZONE ENGINEER

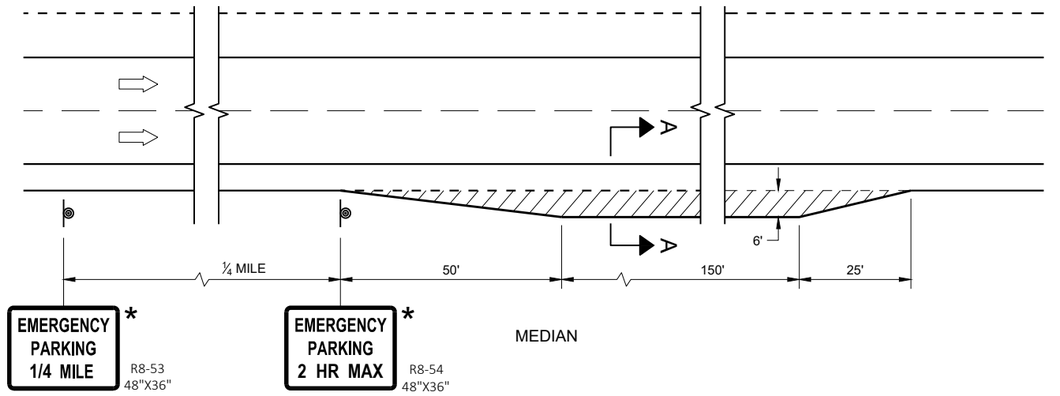
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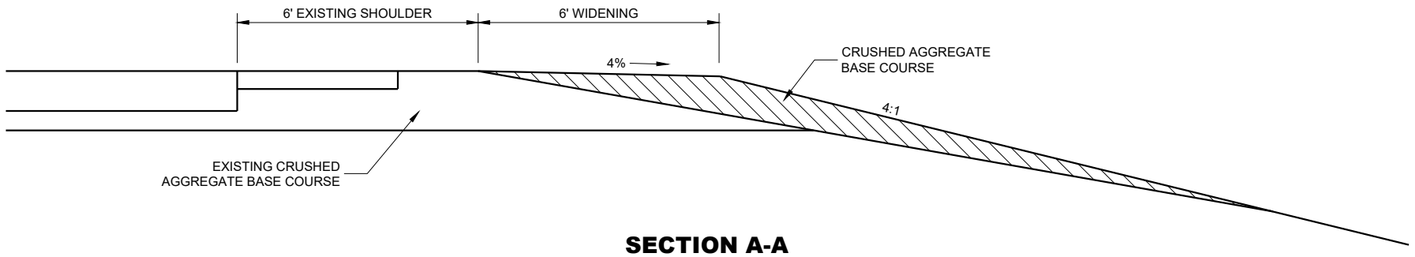
SDD 15D12 - 11d

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SDD 15D12 - 11d



TEMPORARY EMERGENCY PULLOUTS FOR DIVIDED HIGHWAYS



SECTION A-A

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIAL AND WORKMANSHIP NO SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, APPLICABLE SPECIAL PROVISIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

TEMPORARY EMERGENCY PULLOUTS AND SIGNS SHALL BE REMOVED AND THE ROADWAY RESTORED TO ITS ORIGINAL CROSS SECTION AND CONDITION PRIOR TO REOPENING THE ROADWAY TO ONE WAY TRAFFIC.

* SIGNS TO BE BLACK LETTERS ON WHITE REFLECTIVE BACKGROUND

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

TEMPORARY EMERGENCY PULLOUTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2013
DATE

/S/ Travis Feltes
STATE TRAFFIC ENGINEER O

FHWA

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SDD 15D13 - 02

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SDD 15D13 - 02

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH THE ENGINEER.

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 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.

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

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS. USE SUPPORTS THAT PROVIDE A MINIMUM OF 5 FEET FROM THE BOTTOM OF THE SIGN TO THE PAVEMENT.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

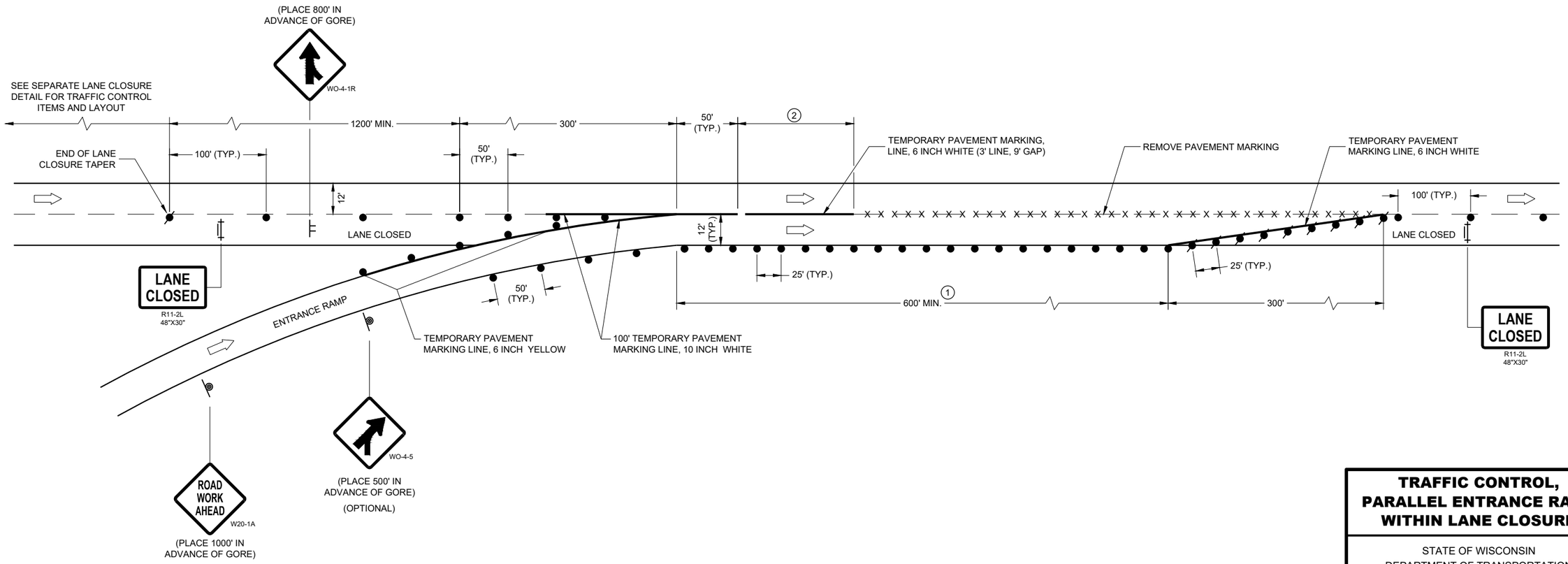
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

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

(1) EXTEND THE LENGTH OF THE MERGE ARE IF THE ENTERING (DESIGN) SPEED IS LESS THAN 50MPH OR IF THE MAINLINE GRADE EXCEEDS ±2.2%.

(2) END TEMPORARY PAVEMENT MARKING LINE AT ½ THE LENGTH OF FULL WIDTH OF THE ACCELERATION LANE.



TRAFFIC CONTROL, PARALLEL ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6

SDD 15D15-07a

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH THE ENGINEER.

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 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.

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

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS /OR DRUMS IN THE GORE BETWEEN THE EXIT RAMP AND MAINLINE TRAFFIC.

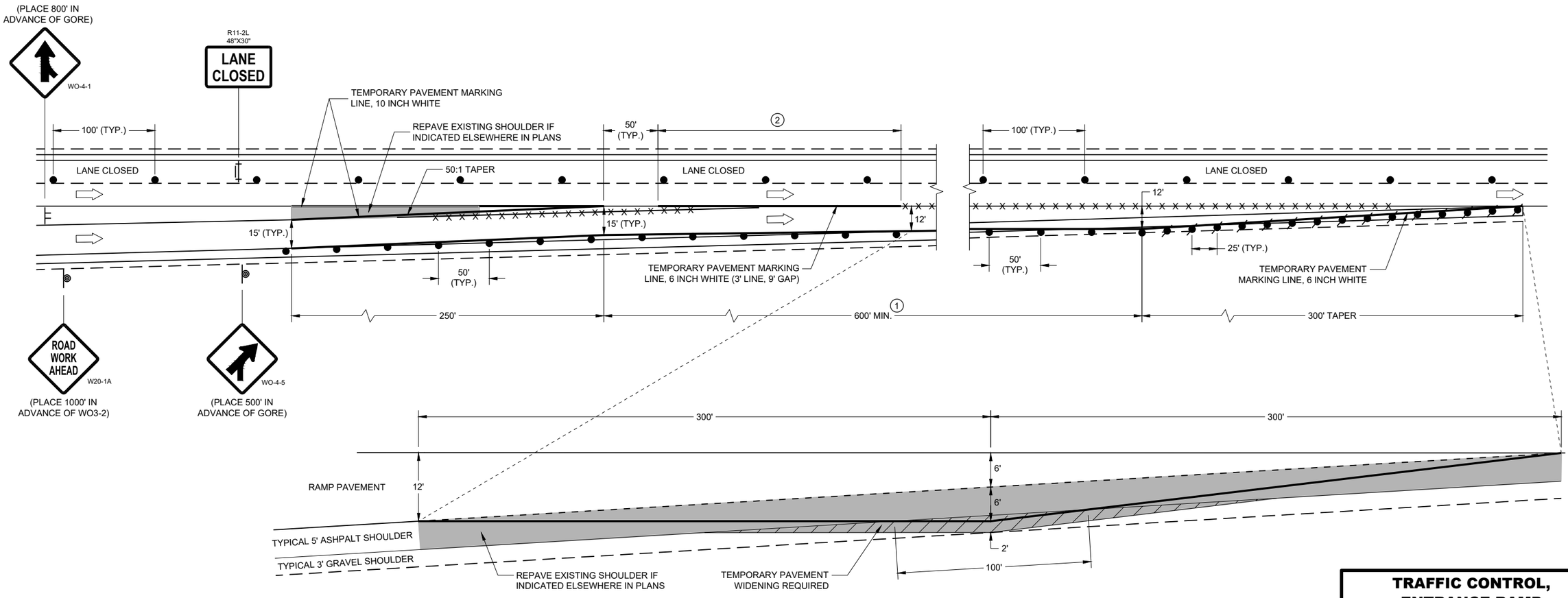
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

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

(1) EXTEND THE LENGTH OF THE MERGE AREA IF THE ENTERING (DESIGN) SPEED OF THE RAMP IS LESS THAN 50 MPH OR IF THE MAINLINE GRADE EXCEEDS ±2.2%.

(2) END TEMPORARY PAVEMENT MARKING LINE AT ½ THE LENGTH OF FULL WIDTH OF THE ACCELERATION LANE.



TEMPORARY PAVEMENT DETAIL

(EXISTING RAMP DIMENSIONS MAY VARY, ADJUST TEMPORARY PAVEMENT ACCORDINGLY)

TRAFFIC CONTROL, ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D15-07b

LEGEND

SIGN ON PERMANENT SUPPORT

SIGN ON TEMPORARY SUPPORT

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT

REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)

TYPE III BARRICADE WITH ATTACHED SIGN

FLAGS, 16" X 16" MIN., ORANGE

DIRECTION OF TRAFFIC

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH THE ENGINEER.

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 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.

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

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

YIELD SIGN AND WARNING SIGNS ON ENTRANCE RAMP ARE ALSO APPROPRIATE FOR CLOSURE OF THE MAINLINE LEFT LANE. OMIT THE YIELD SIGN IF MORE THAN ONE LANE REMAINS OPEN ON THE MAINLINE AND THE RAMP TAPER IS AT LEAST AS LONG AS THE NORMAL ENTRANCE RAMP TAPER AT THE SITE.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS. USE SUPPORTS THAT PROVIDE A MINIMUM OF 5 FEET FROM THE BOTTOM OF THE SIGN TO THE PAVEMENT.

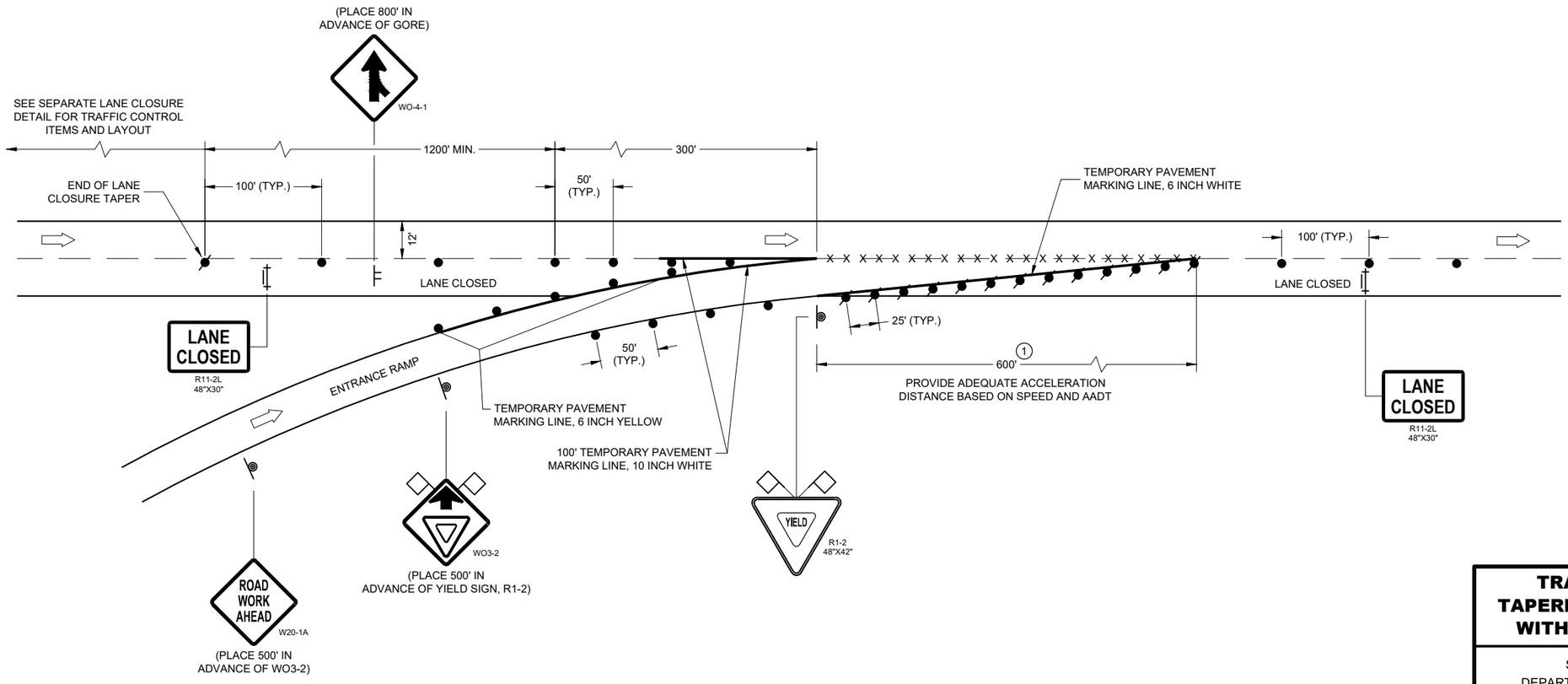
IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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.

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

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

(1) CONSULT WITH REGIONAL WORK ZONE ENGINEER IF NEED TO REDUCE LENGTH EXISTS.



TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE 488
FHWA

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SDD 15D15-07c

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SDD 15D15-07c

LEGEND

SIGN ON PERMANENT SUPPORT

SIGN ON TEMPORARY SUPPORT

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT

TYPE III BARRICADE WITH ATTACHED SIGN

FLAGS, 16" X 16" MIN., ORANGE

DIRECTION OF TRAFFIC

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH THE ENGINEER.

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 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.

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

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

YIELD SIGN AND WARNING SIGNS ON ENTRANCE RAMP ARE ALSO APPROPRIATE FOR CLOSURE OF THE MAINLINE LEFT LANE. OMIT THE YIELD SIGN IF MORE THAN ONE LANE REMAINS OPEN ON THE MAINLINE AND THE RAMP TAPER IS AT LEAST AS LONG AS THE NORMAL ENTRANCE RAMP TAPER AT THE SITE.

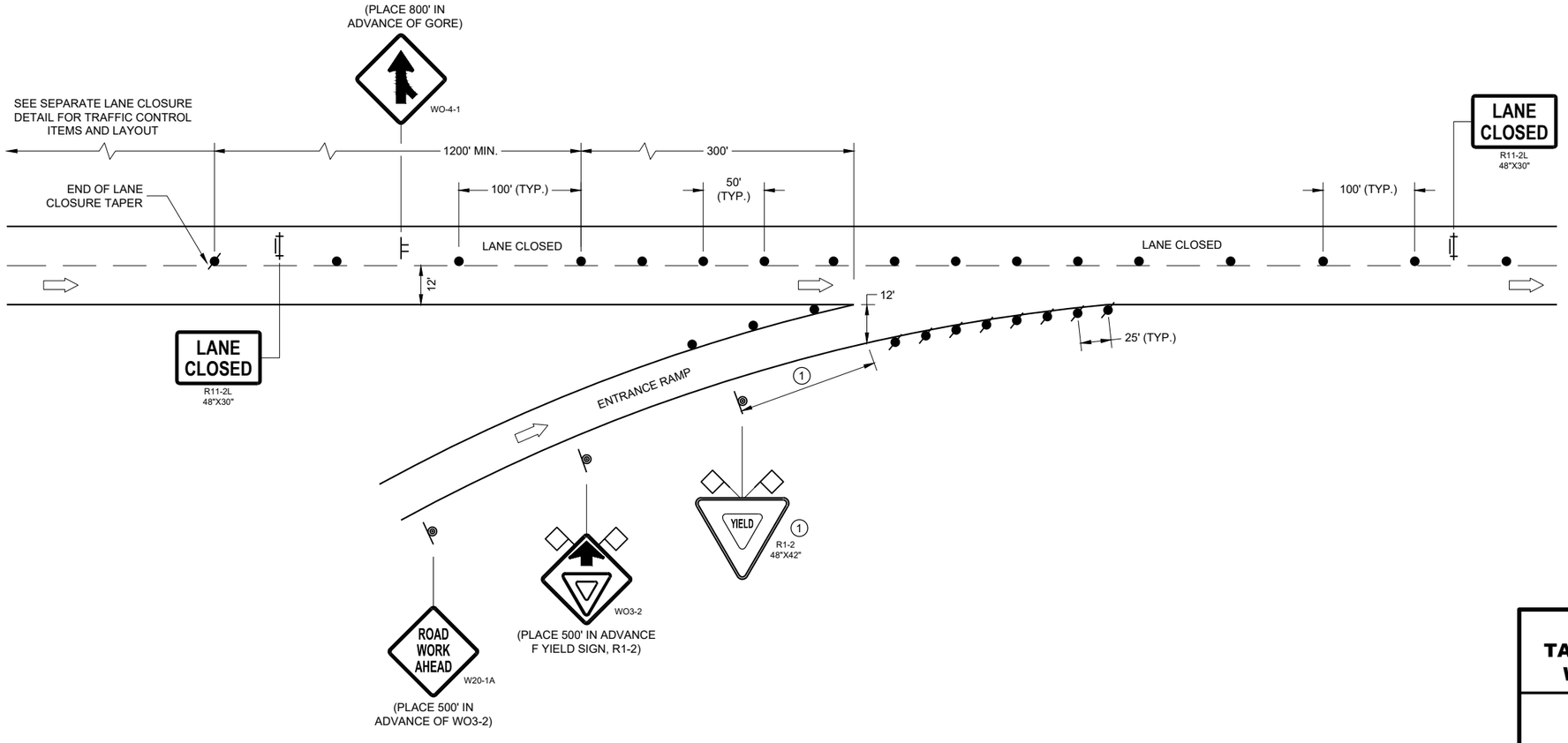
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS. USE SUPPORTS THAT PROVIDE A MINIMUM OF 5 FEET FROM THE BOTTOM OF THE SIGN TO THE PAVEMENT.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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.

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

(1) PLACE YIELD SIGN TO PROVIDE ADEQUATE SIGHT DISTANCE AND ACCELERATION DISTANCE.



TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

6

SDD 15D15-07d

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH THE ENGINEER.

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 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.

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

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

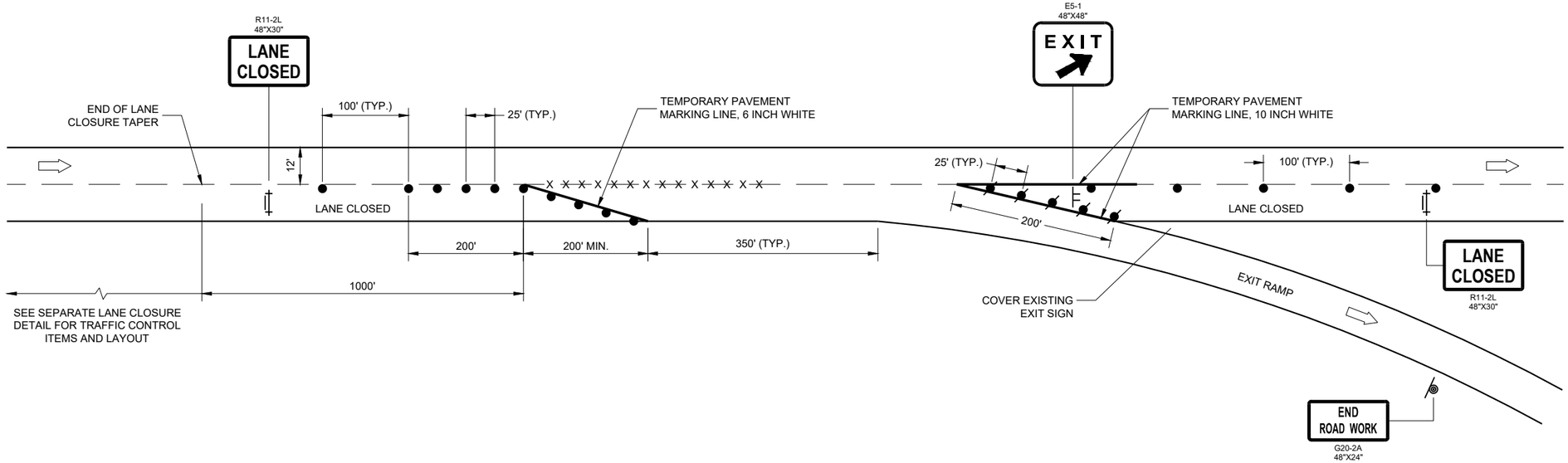
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE EXIT RAMP AND MAINLINE TRAFFIC.

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.

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

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



6

SDD 15D15-07e

TRAFFIC CONTROL, PARALLEL EXIT RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D15-07e

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC

GENERAL NOTES

THIS RAMP CLOSURE DETAIL IS TYPICAL FOR CLOSING A RIGHT SIDE EXIT RAMP. FOR A LEFT SIDE EXIT RAMP, REVERSE THE TRAFFIC CONTROL.

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 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 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

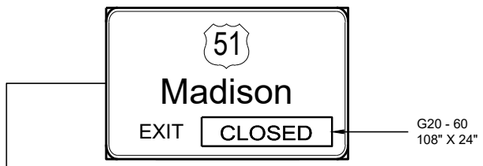
PLACE TEMPORARY PAVEMENT MARKING LINE IF RAMP CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WORK AREAS WITH A DROP OFF ALONG THE EDGE OF AN OPEN TRAVEL LANE SHALL BE LEVELED WITH TEMPORARY FILL WHEN THE CONTRACTOR IS NOT WORKING ADJACENT TO THE TRAVEL LANE. DRUMS SHALL BE PLACED ENTIRELY OUTSIDE THE TRAVEL LANE, ALLOWING THE FULL UNOBSTRUCTED LANE WIDTH, WHEN WORK IS NOT IN PROGRESS.

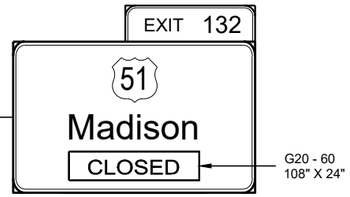
WHERE MEDIAN BARRIER IS IN PLACE, SIGNS SHOWN ON LEFT SIDE OF ROADWAY MAY BE OMITTED FOR RIGHT SIDE RAMP CLOSURES OF LESS THAN 12 - HOUR DURATION.

(1) W20 - 1A AND G20 - 2A SIGNS ARE NOT REQUIRED IF THE RAMP CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

(2) PLACE "RAMP CLOSED BEGINNING" SIGN OR PCMS 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR SIGN LAYOUT.



OR



PLACE SIGN G20 - 60 OVER MILEAGE ON EXISTING E1 - 1A SIGN



COVER ARROW ON EXISTING E4 - 1 SIGN (COVERING SIGNS TYPE I)

G20 - 61
120 ' X 30"

OR

PCMS MESSAGING

FRAME 1	FRAME 2
RAMP TO CLOSE	XXXDAY XX XX XX

TRAFFIC CONTROL, EXIT RAMP CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

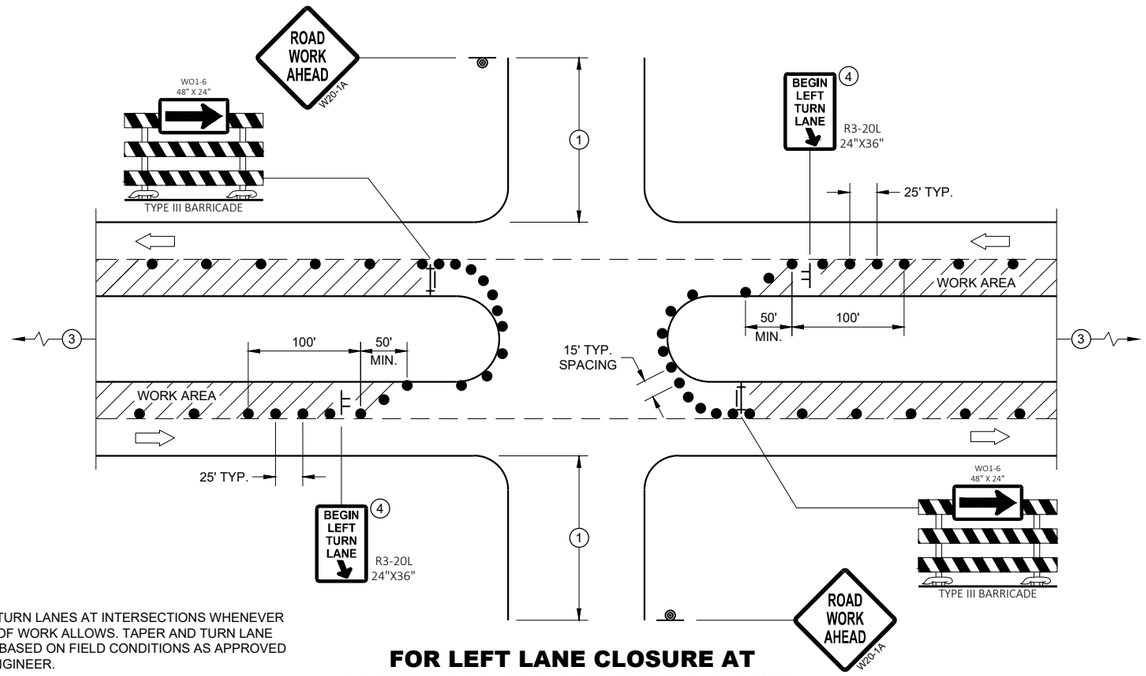
APPROVED
May 2023
DATE

/S/ Andrew Heidtke
ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

SDD 15D16-06



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

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

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

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

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

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

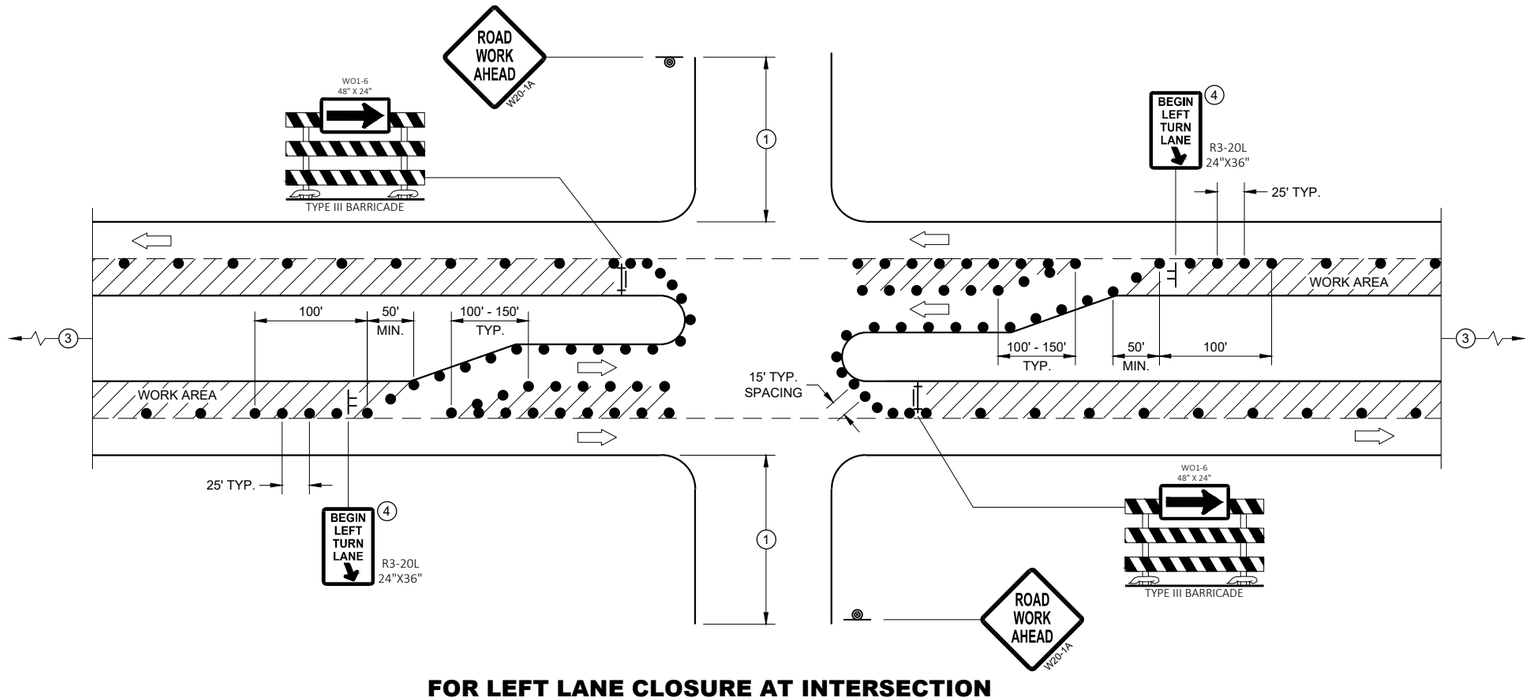
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D21 - 07b

6

SDD 15D21 - 07b

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- WORK AREA

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT SHOULDER. FOR CLOSING THE LEFT SHOULDER, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR DIVIDED ROADWAYS WITH ANY NUMBER OF TRAVEL LANES.

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

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

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

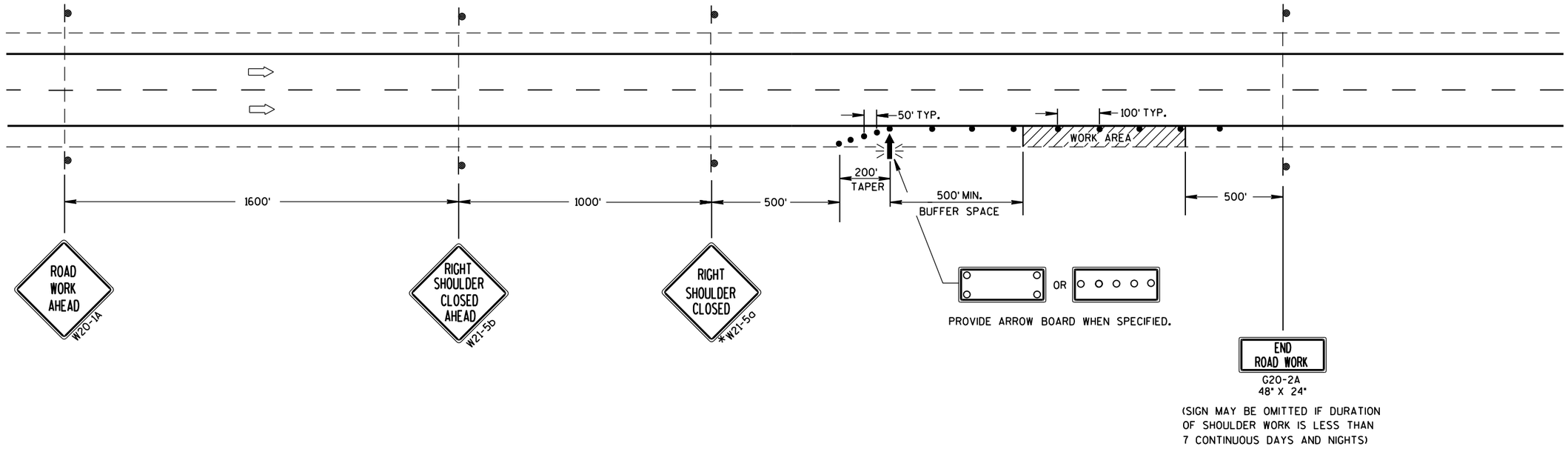
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WHEN A 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.

*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-5a SIGN MAY BE OMITTED.



TRAFFIC CONTROL SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2016 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO[illegible] SAFETY ENGI[illegible]

FHWA

6

S.D.D. 15 D 27-3

LEGEND

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

DIRECTION OF TRAFFIC

WORK ZONE

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

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

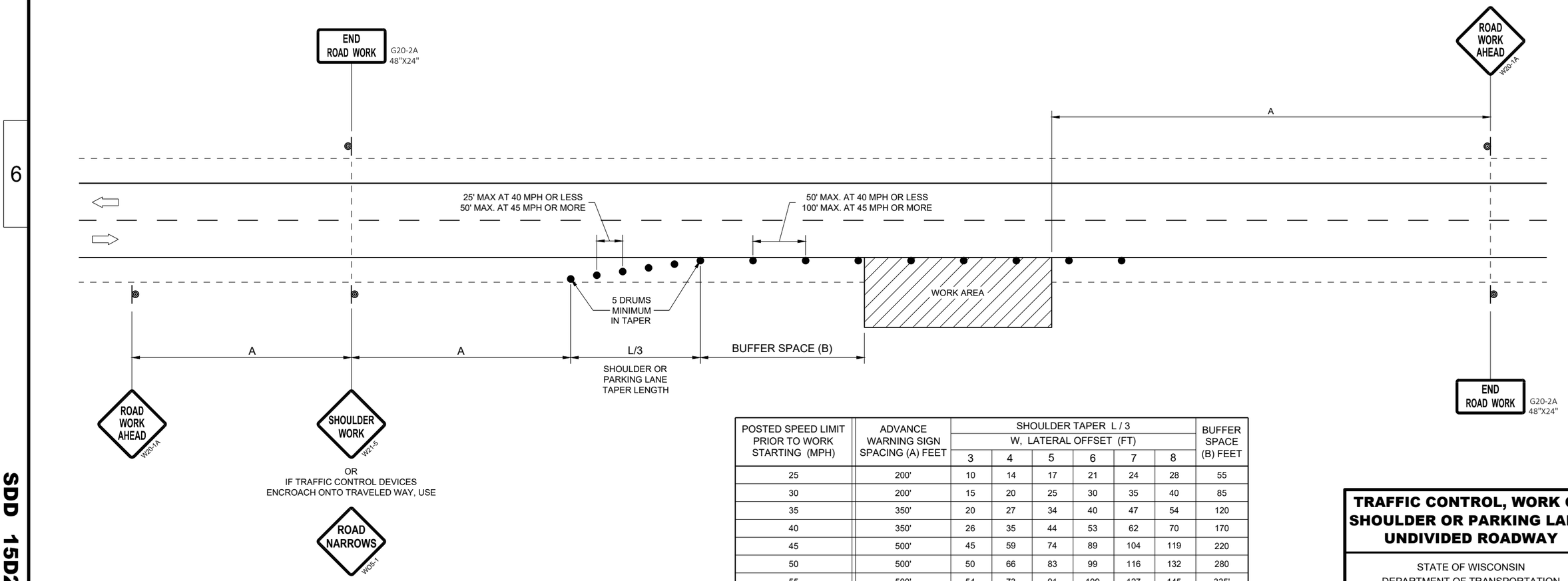
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHOULDER TAPER L / 3 W, LATERAL OFFSET (FT)						BUFFER SPACE (B) FEET
		3	4	5	6	7	8	
25	200'	10	14	17	21	24	28	55
30	200'	15	20	25	30	35	40	85
35	350'	20	27	34	40	47	54	120
40	350'	26	35	44	53	62	70	170
45	500'	45	59	74	89	104	119	220
50	500'	50	66	83	99	116	132	280
55	500'	54	73	91	109	127	145	335'

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

494

6

SDD 15D28 - 04

6

SDD 15D28 - 04

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.

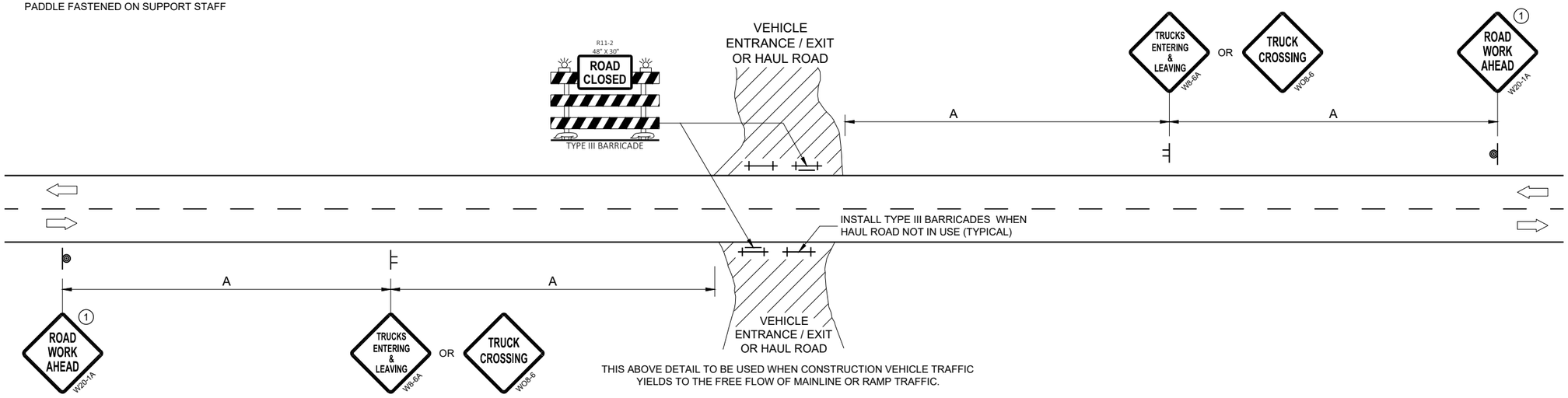
WARNING SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

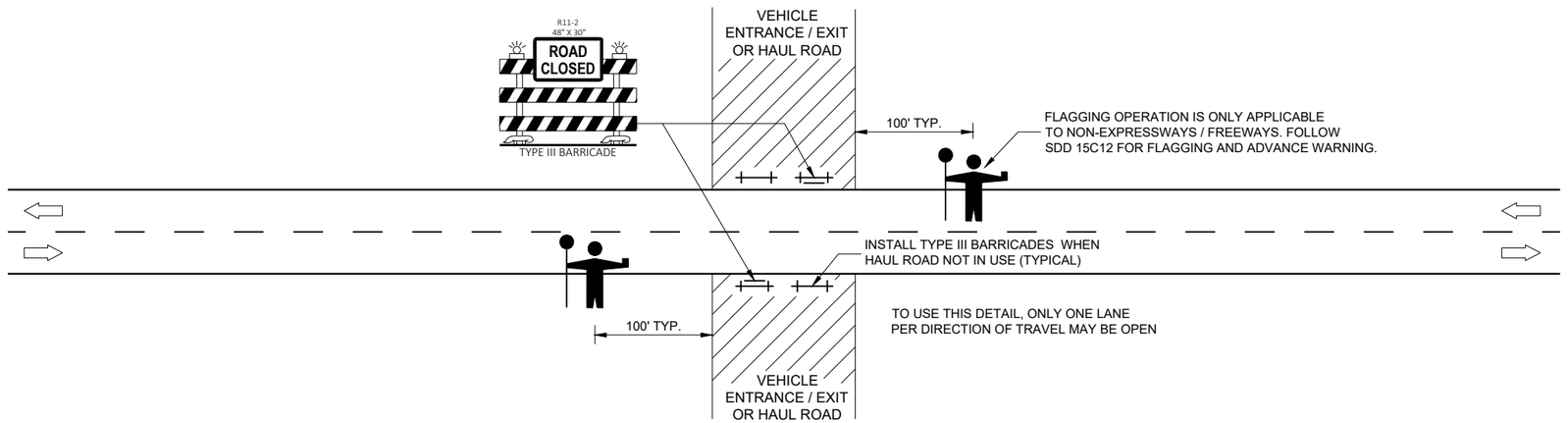
WHEN A SIDE ROAD OR RAMP INTERSECTS WITHIN THE ADVANCE SIGNING AREA, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND / OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

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

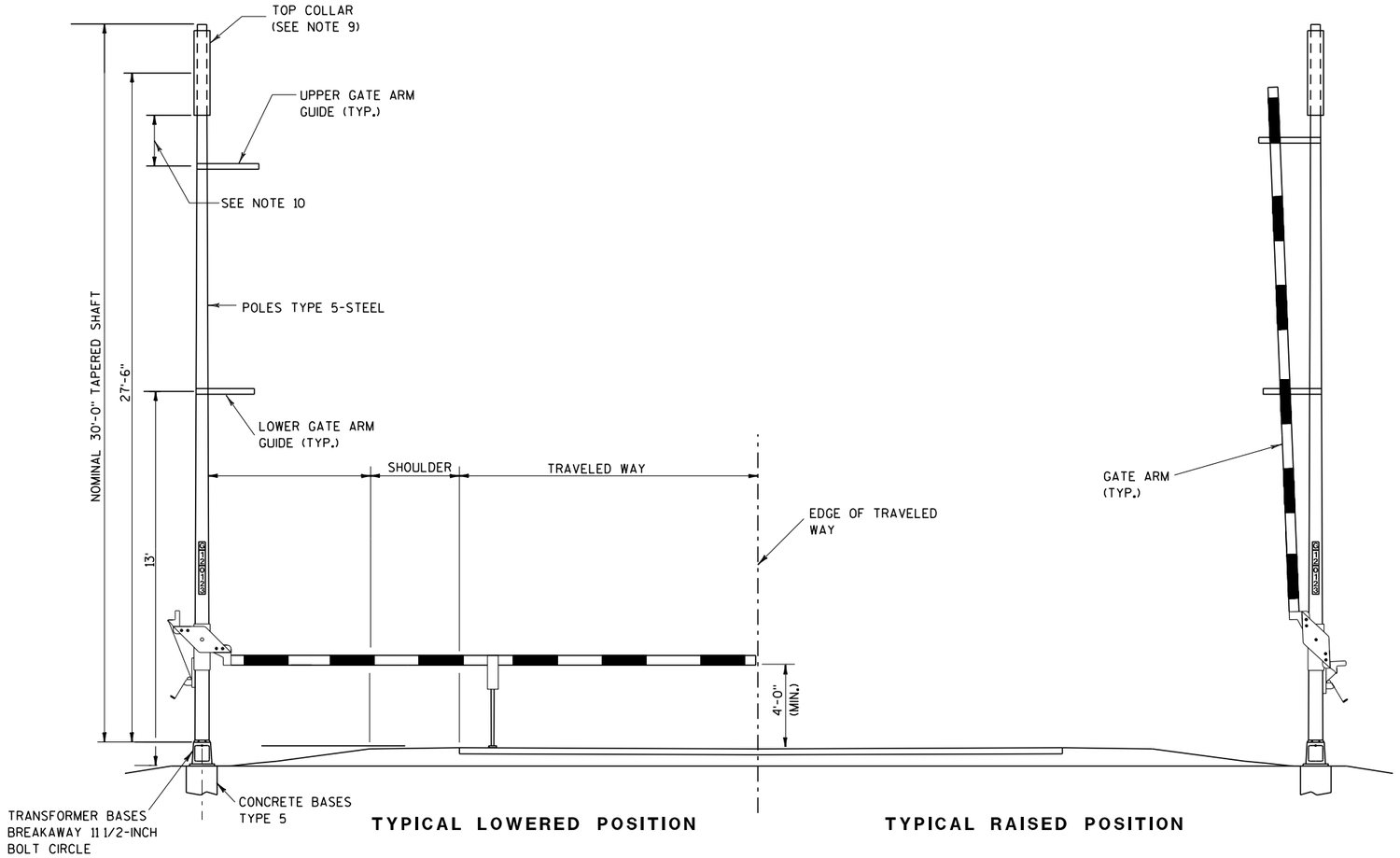
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

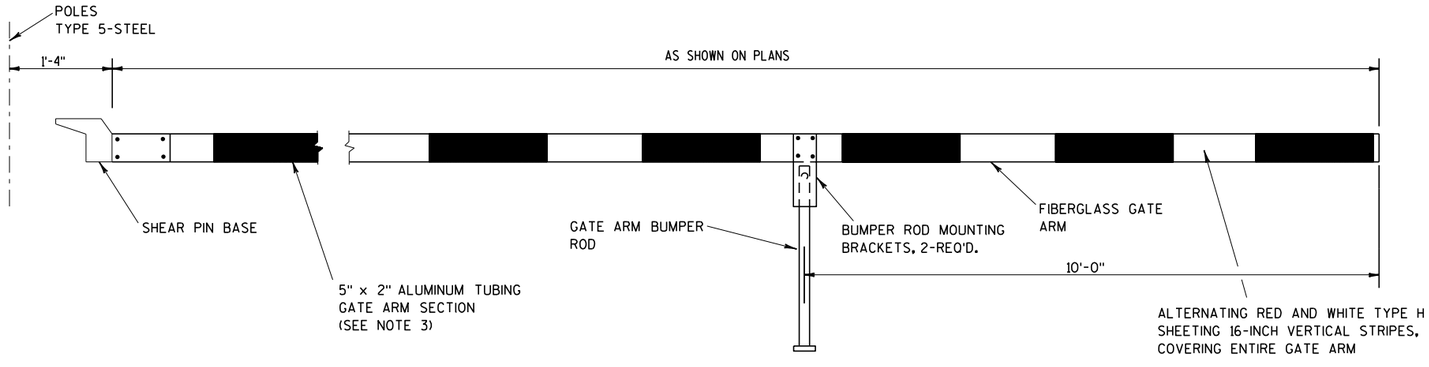
FHWA

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SDD 15D29 - 06



TYPICAL LOWERED POSITION

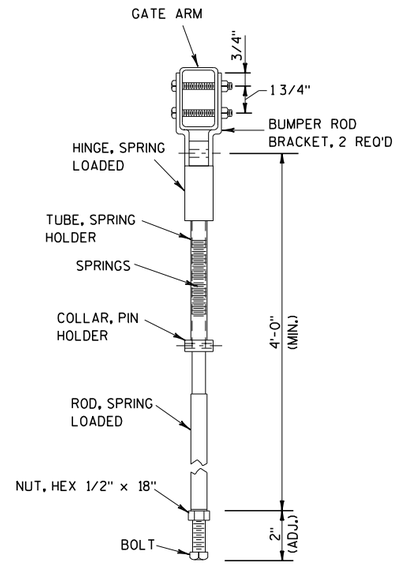
TYPICAL RAISED POSITION



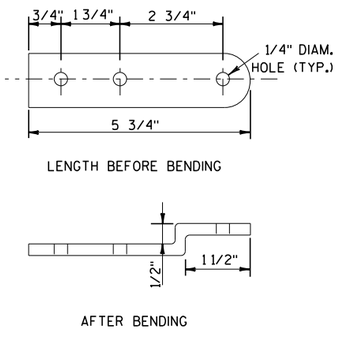
GATE DETAIL

GENERAL NOTES

1. THE LOCATION OF RAMP CLOSURE GATES AND MOUNTING HEIGHT OF GATE ARM PIVOT SHALL BE VERIFIED BY THE ENGINEER.
2. HEIGHT OF GATE ARM GUIDES MAY BE VARIED AS REQUIRED FOR WARNING LIGHT CLEARANCE.
3. FIBERGLASS/ALUMINUM GATE ARM AND SHEAR PIN BASE SHALL BE SUPPLIED BY THE SAME VENDOR.
4. GATE ARM TO BE MOUNTED ON PROPOSED POLE AS INDICATED ON THE PLANS. PROPOSED POLE SHALL BE TYPE 5 POLE.
5. LOCATION OF THE CONCRETE BASE AND LENGTH OF THE GATE ARM WILL BE VERIFIED BY THE ENGINEER TO ENSURE ADEQUATE COVERAGE OF THE TRAVELED LANE.
6. GATE PIVOTS, SUPPORTS AND GUIDES, AND ALL ASSOCIATED HARDWARE SHALL BE GALVANIZED. ALL ROUGH EDGES AND BURRS SHALL BE GROUND SMOOTH PRIOR TO GALVANIZING.
7. ALL EXPOSED BOLT THREADS SHALL BE PAINTED WITH TWO COATS OF ZINC RICH PAINT CONFORMING WITH THE REQUIREMENTS OF ASTM A 780.
8. ANY FIELD DAMAGE TO THE GALVANIZING SHALL BE REPAIRED WITH TWO COATS OF ZINC RICH PAINT CONFORMING WITH THE REQUIREMENTS OF ASTM A 780.
9. A STANDARD LIGHTING LUMINAIRE ARM MAY BE MOUNTED TO THE TYPE 5 POLE IN LIEU OF THE TOP COLLAR.
10. UPPER GATE ARM GUIDE IS TO BE INSTALLED 6 TO 12-INCHES BELOW THE BOTTOM OF THE TOP COLLAR.



GATE ARM BUMPER ROD DETAIL

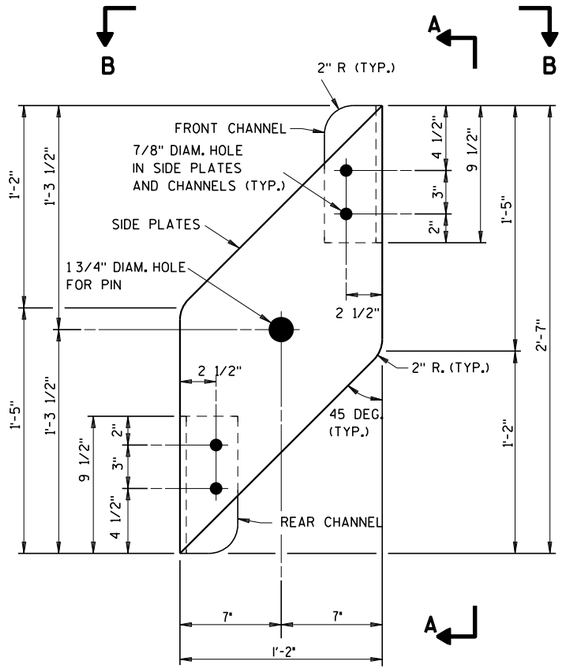


BUMPER ROD MOUNTING
BRACKET DETAIL

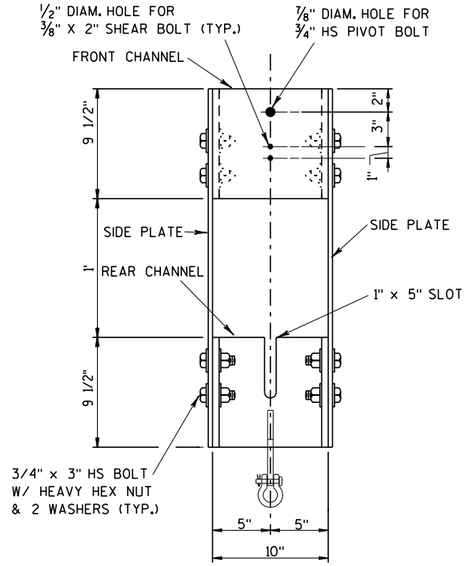
RAMP GATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

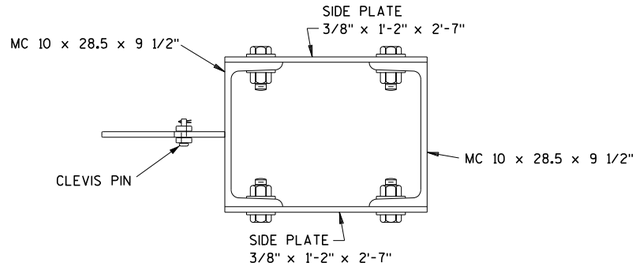
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S.D.D. 15 D 35-3a



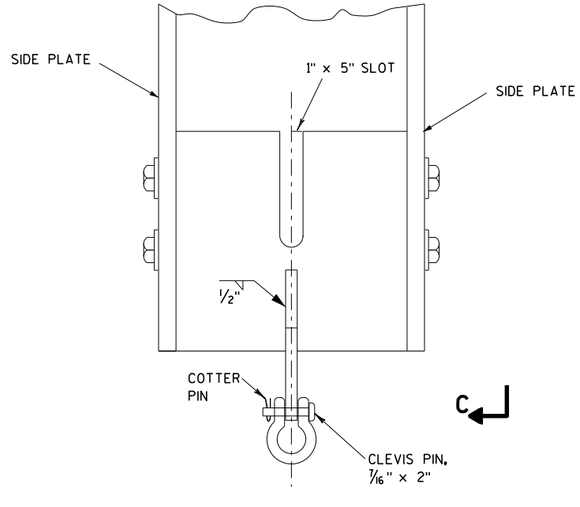
SIDE PLATE DETAIL



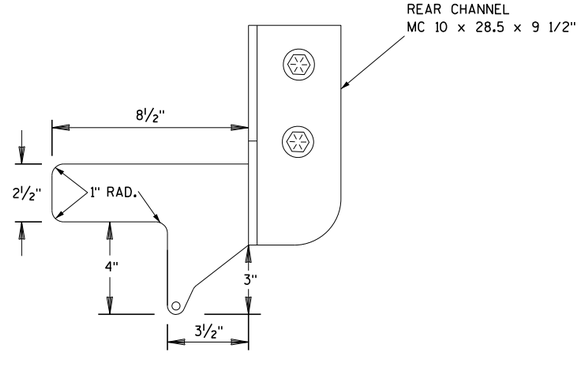
SECTION A-A



SECTION B-B



YOKE ASSEMBLY DETAIL



SECTION C-C

RAMP GATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 15 D 35-3b

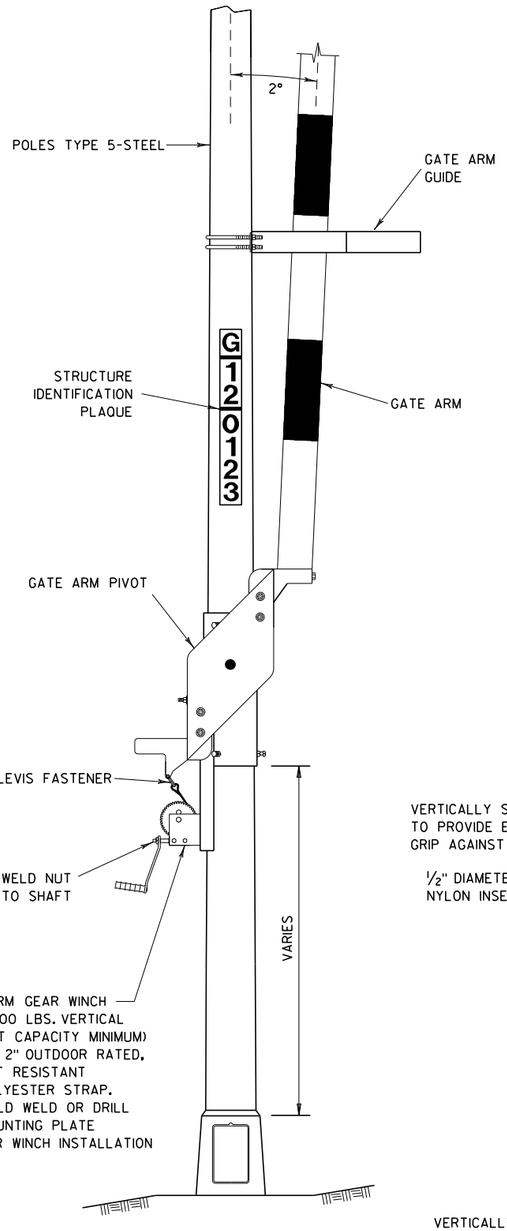
GENERAL NOTES

1. WHEN THE GATE IS FULLY RAISED, THE NUT AND WASHER SHALL BE PLACED SNUGLY AGAINST THE OUTSIDE OF THE REAR CHANNEL.

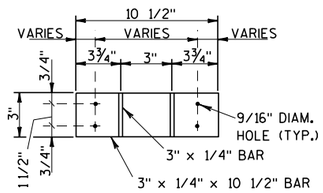
2. WHEN THE GATE IS FULLY LOWERED, THE NUT AND WASHER SHALL BE PLACED SNUGLY AGAINST THE INSIDE OF THE REAR CHANNEL.

3. ANTI-SEIZE LUBRICATING MATERIAL SHALL BE USED ON ALL BOLT THREADS BEFORE INSTALLATION.

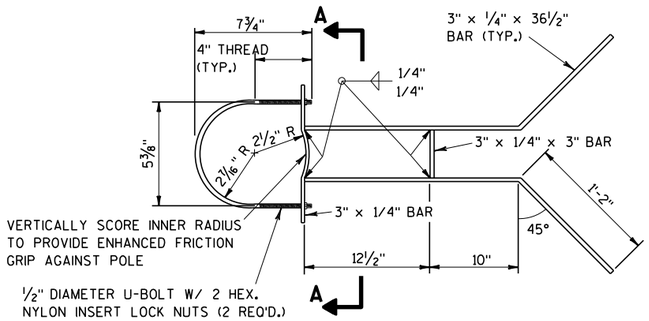
4. ALL BOLTS SHALL BE GALVANIZED AND CONFORM TO ASTM A307, GRADE A, UNLESS DESIGNATED AS HS (HIGH STRENGTH), WHICH SHALL CONFORM TO ASTM A325. BOLTS OF ½" NOMINAL DIAMTER OR LESS MAY BE STAINLESS STEEL.



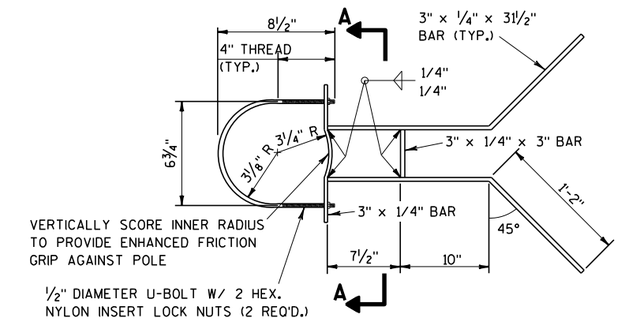
GATE PIVOT ASSEMBLY



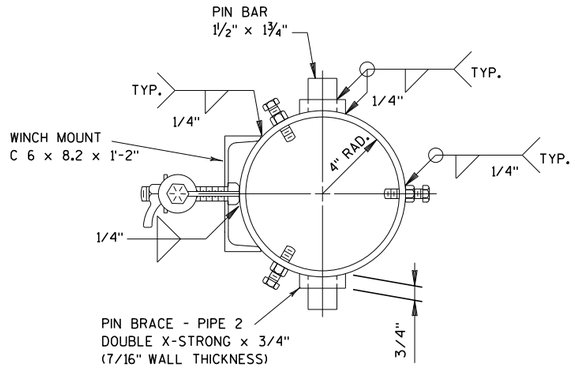
SECTION A-A
U-BOLTS NOT SHOWN



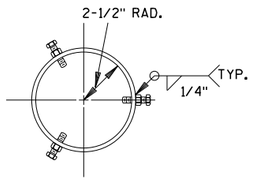
UPPER GATE ARM GUIDE DETAIL



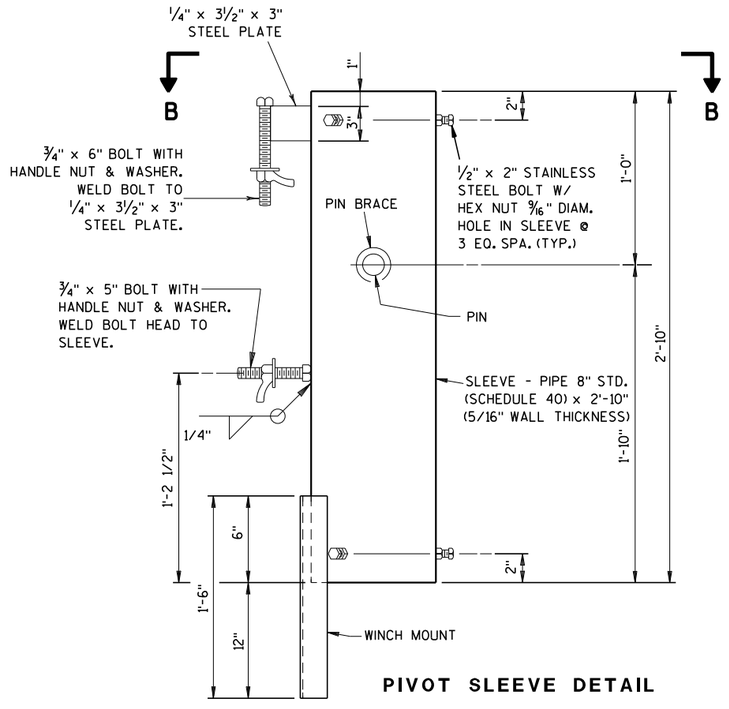
LOWER GATE ARM GUIDE DETAIL



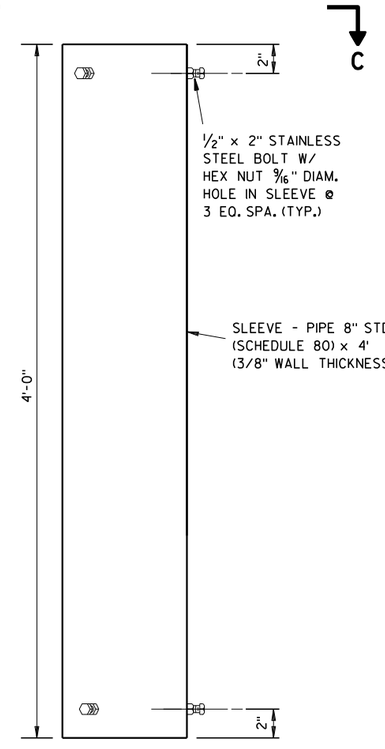
SECTION B-B



SECTION C-C



PIVOT SLEEVE DETAIL



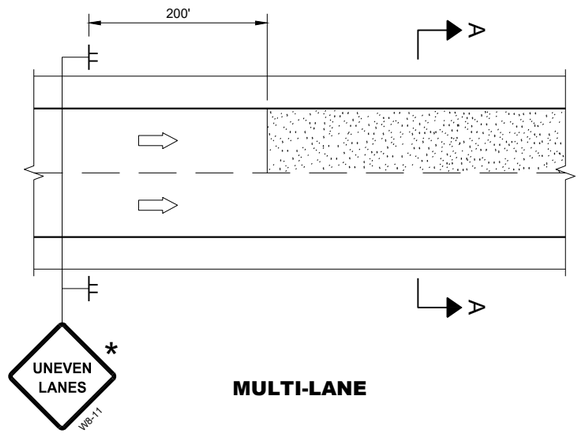
TOP COLLAR

RAMP GATE

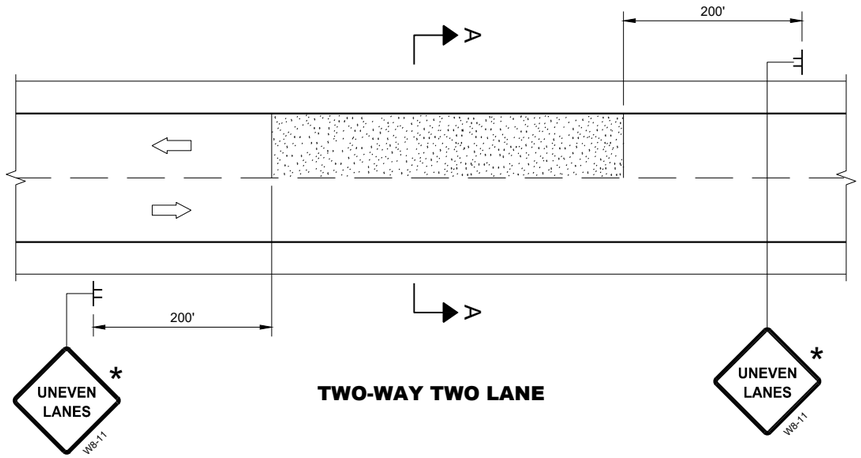
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL ENGINEER
FHWA

6
S.D.D. 15 D 35-3c



MULTI-LANE



TWO-WAY TWO LANE

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.

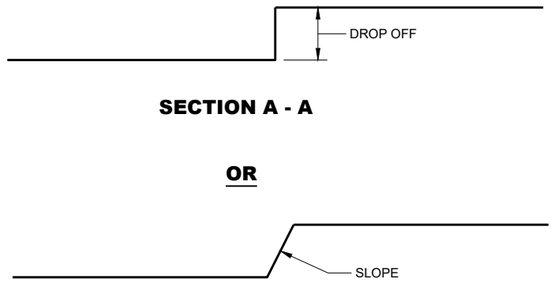
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* 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.

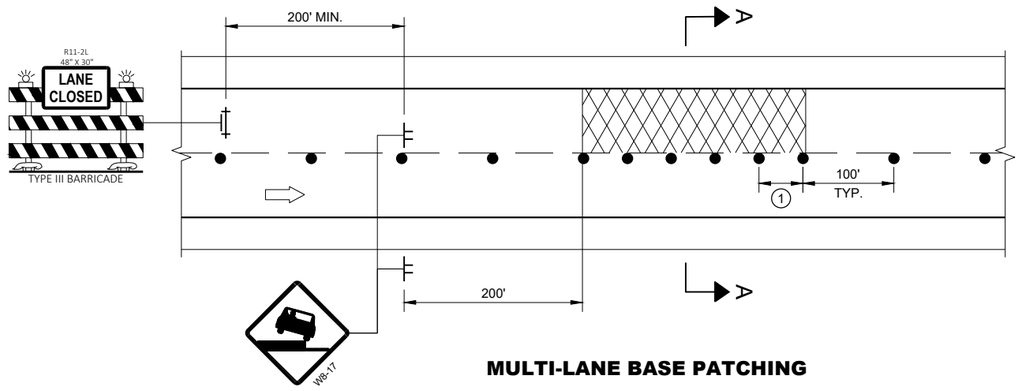
LEGEND

- 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



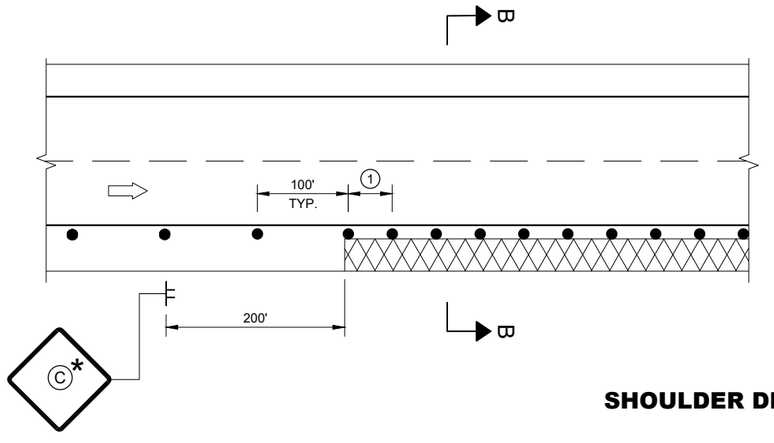
SECTION A - A

SECTION A - A

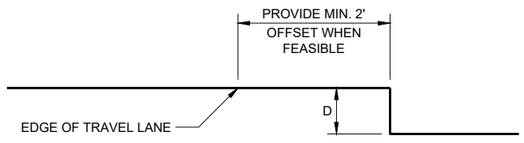


MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS



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
March 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D39 - 02

6

SDD 15D39 - 02

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- CONCRETE BARRIER TEMPORARY PRECAST

GENERAL NOTES

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

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

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT RIGHT - REVERSE FOR SHIFTING LEFT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

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

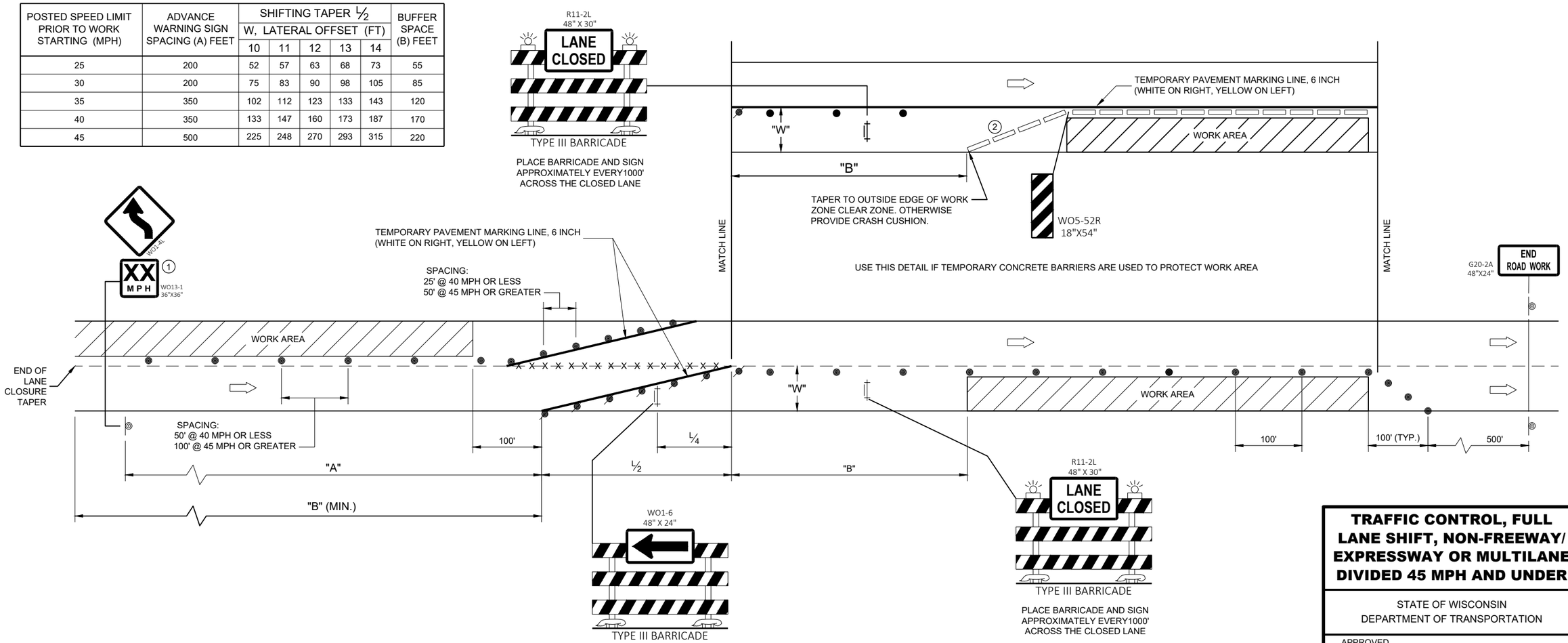
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER
SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL
CHANGE SUCH AS A CROSSOVER MANEUVER.

(1) USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

(2) BARRIER FLARE RATE: 6:1 @ 40 MPH OR LESS
8:1 @ 45 MPH OR GREATER

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)					BUFFER SPACE (B) FEET
		10	11	12	13	14	
25	200	52	57	63	68	73	55
30	200	75	83	90	98	105	85
35	350	102	112	123	133	143	120
40	350	133	147	160	173	187	170
45	500	225	248	270	293	315	220



TRAFFIC CONTROL, FULL LANE SHIFT, NON-FREEWAY/ EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D40-05a

6

SDD 15D40-05a

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- CONCRETE BARRIER TEMPORARY PRECAST

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)				
	10	11	12	13	14
50	250	275	300	325	350
55	275	303	330	358	385
60	300	330	360	390	420
65	325	358	390	423	455
70	350	385	420	455	490

GENERAL NOTES

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

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

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT RIGHT - REVERSE FOR SHIFTING LEFT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

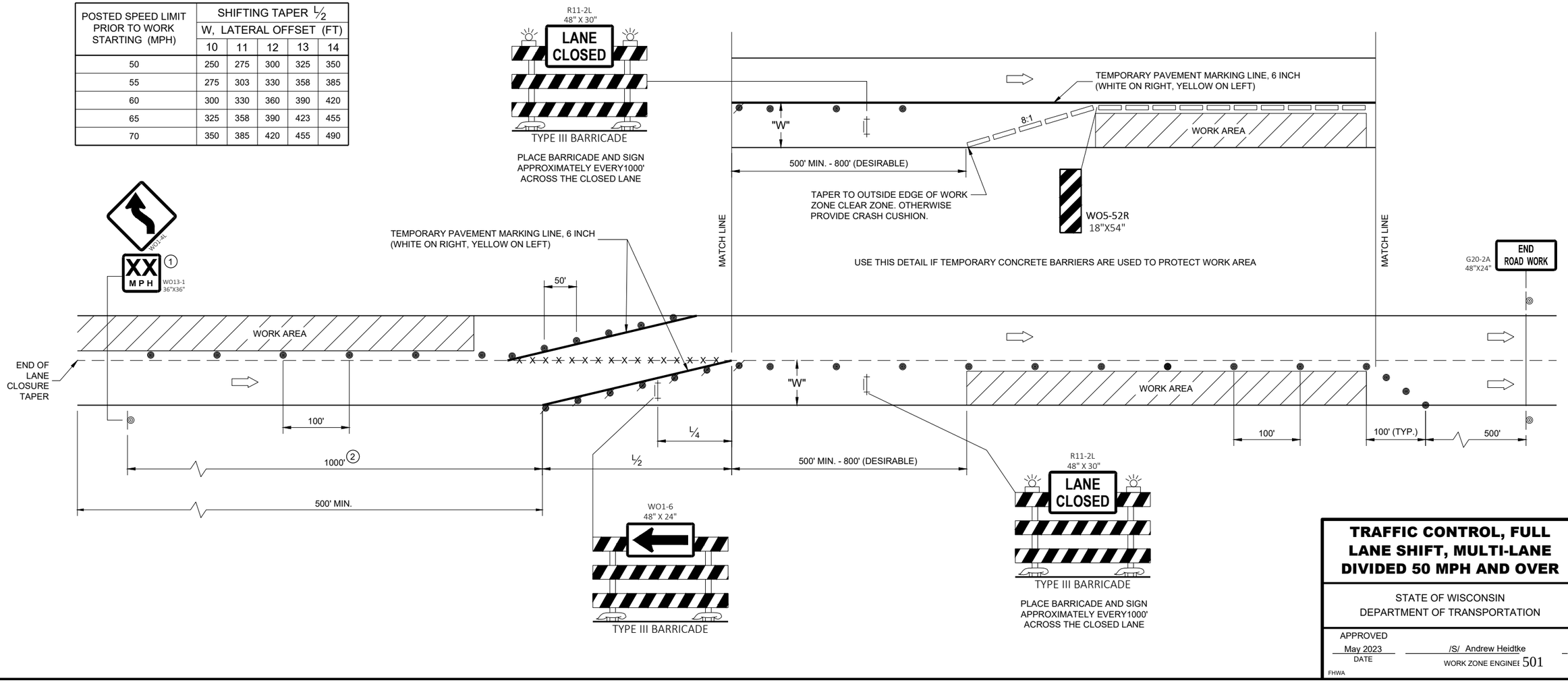
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ½ THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

(1) USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

(2) IF BEGINNING OF LANE SHIFT IS 1200' OF LESS FROM THE END OF THE LANE CLOSURE TAPER, PLACE THE WO1-4L SIGN 200 FEET AFTER THE END OF THE LANE CLOSURE TAPER.



TRAFFIC CONTROL, FULL LANE SHIFT, MULTI-LANE DIVIDED 50 MPH AND OVER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

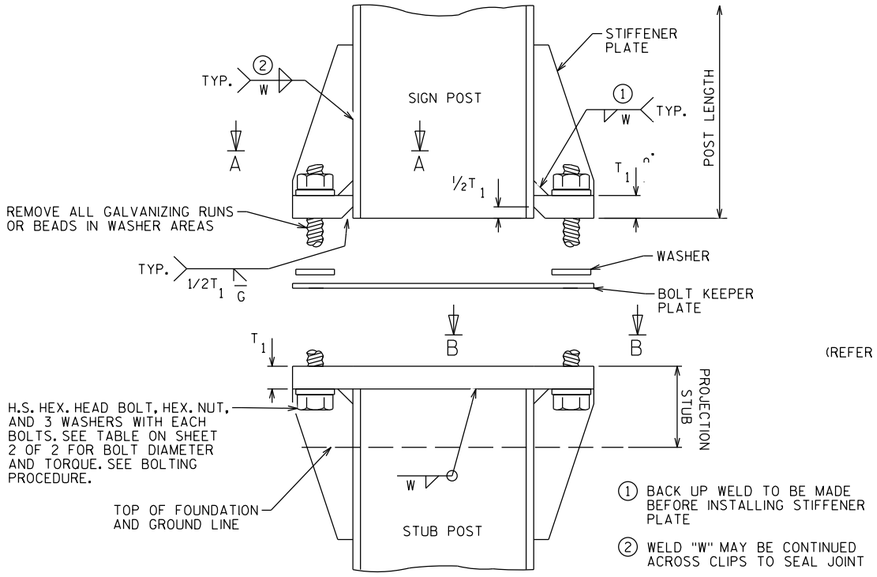
FHWA

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SDD 15D40-05b

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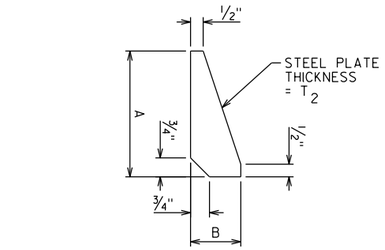
SDD 15D40-05b



① BACK UP WELD TO BE MADE BEFORE INSTALLING STIFFENER PLATE

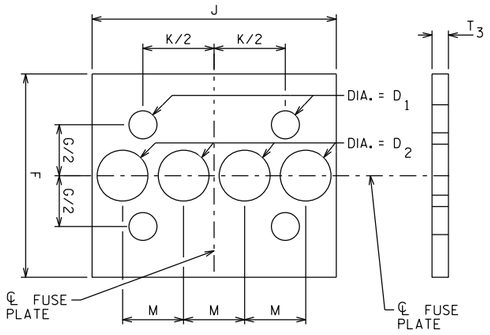
② WELD "W" MAY BE CONTINUED ACROSS CLIPS TO SEAL JOINT

SIGN POST & STUB POST ELEVATION



STIFFENER PLATE DETAIL

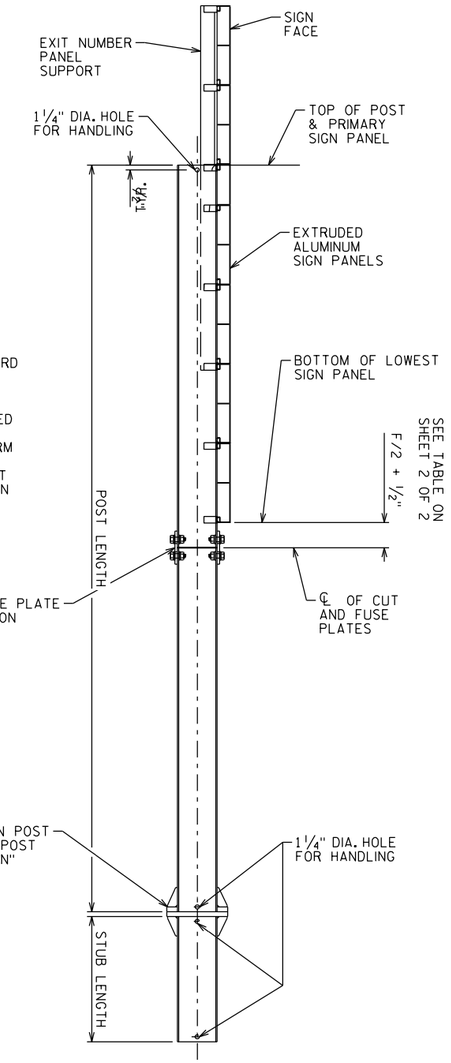
(REFER TO TABLE ON SHEET 2 OF 2 FOR DIMENSIONS)



PERFORATED FUSE PLATE DETAIL

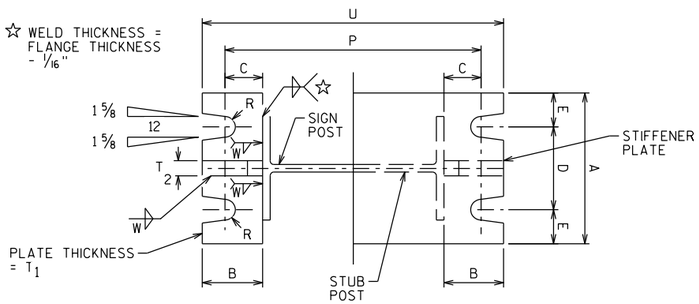
USE H.S. HEX HEAD BOLTS, HEX HEAD NUT AND FLAT WASHER UNDER NUT. INSTALL BOLTS PER THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION SECTION 506.3.12.3.

ALL HOLES SHALL BE DRILLED, SUB-PUNCHED AND REAMED. ALL PLATE CUTS SHALL PREFERABLY BE SAW CUTS. HOWEVER, FLAME CUTTING WILL BE PERMITTED PROVIDED ALL EDGES ARE GROUND. METAL PROJECTING BEYOND THE PLANE OF THE PLATE FACE WILL NOT BE PERMITTED. STEEL FUSE PLATES SHALL CONFORM TO THE REQUIREMENTS OF ASTM A36. ASTM A572 GRADE 50 OR ASTM A588 MAY BE SUBSTITUTED FOR A36 AT THE OPTION OF THE FABRICATOR. MILL TEST REPORTS SHALL BE SUBMITTED FOR FUSE PLATES. STEEL USED SHALL HAVE AN ULTIMATE TENSILE STRENGTH NOT TO EXCEED 80 KSI.



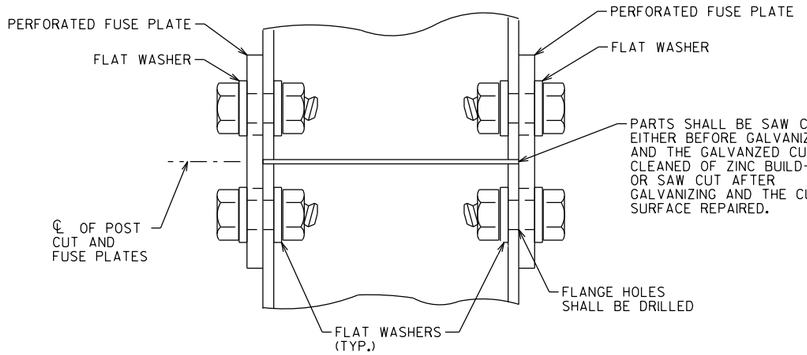
POST DETAIL

☆ WELD THICKNESS = FLANGE THICKNESS - 1/16"

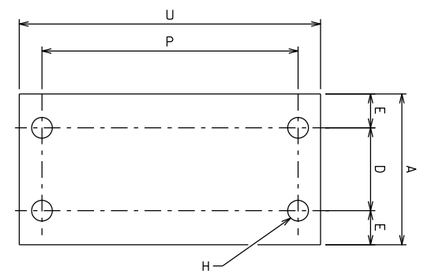


SECTION A-A

SECTION B-B



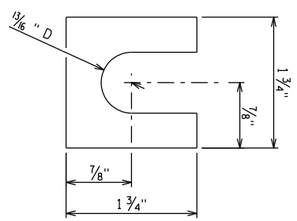
FUSE PLATE CONNECTION DETAIL



H = BOLT DIA. + 1/8"

BOLT KEEPER PLATE DETAIL

30 GA GALVANIZED SHEET STEEL



SHIM DETAIL

FURNISH TWO .012"± THICK AND TWO .032"± THICK SHIMS PER POST. SHIMS SHALL BE FABRICATED FROM BRASS SHIM STOCK OR STRIP CONFORMING TO ASTM B36.

BOLTING PROCEDURE FOR BASE CONNECTION

1. ASSEMBLE SIGN POST, BOLT KEEPER PLATE, AND STUB POST WITH BOLTS AND THREE FLAT WASHERS PER BOLT AS SHOWN.
2. SHIM AS REQUIRED TO PLUMB POST.
3. PRIOR TO BOLT TIGHTENING, LUBRICATE BASE CONNECTION BOLTS WITH BEESWAX OR OTHER HIGH-WAX LUBRICANT.
4. TIGHTEN ALL BOLTS THE MAXIMUM POSSIBLE WITH A 12" OR 15" WRENCH TO BED WASHERS & SHIMS AND TO CLEAN BOLT THREADS.
5. LOOSEN EACH BOLT IN TURN AND RETIGHTEN IN A SYSTEMATIC ORDER TO THE PERSCRIBED TORQUE. (SEE TABLE FOR PERSCRIBED TORQUE). DO NOT OVER-TIGHTEN.
6. BURR THREADS AT JUNCTION WITH NUT USING A CENTER PUNCH TO PREVENT NUT LOOSENING.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE BTO TYPE I SIGNS

DRAWN BY	PLANS CK'D.

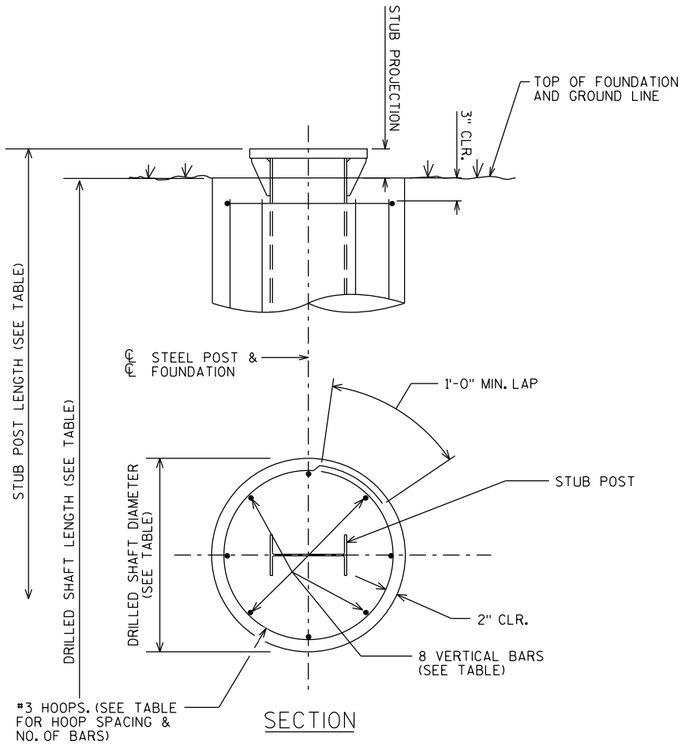
CONNECTION & FOUNDATION DETAILS 1 OF 2

SHEET A3-1.20

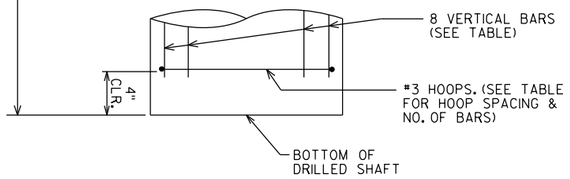
502

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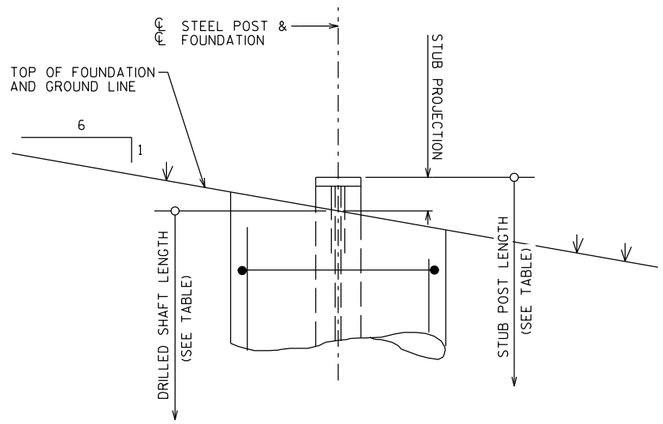
7



SECTION



FOUNDATION DETAIL



SHAFT PLACEMENT

FOUNDATION DATA TABLE

POST SHAPE	STUB LENGTH	STUB PROJECTION	DRILLED SHAFT DIAMETER	DRILLED SHAFT LENGTH	VERTICAL BARS		HOOPS		CONCRETE VOLUME ◆	TOTAL REINF. WEIGHT ◆
					SIZE	LENGTH	MAX SPA.	NO.		
W6X15	2'-6"	3"	24"	6'-6"	#5	5'-11"	10"	9	0.8 CY	71 LB
W8X18	2'-6"	3"	24"	7'-6"	#6	6'-11"	12"	8	0.9 CY	102 LB
W8X21	3'-0"	2½"	24"	8'-0"	#6	7'-5"	12"	9	1.0 CY	110 LB
W10X22	3'-0"	2½"	24"	8'-6"	#7	7'-11"	12"	9	1.0 CY	151 LB
W12X26	3'-0"	2½"	24"	10'-0"	#7	9'-5"	12"	11	1.2 CY	180 LB

◆ QUANTITIES SHOWN ARE FOR ONE DRILLED SHAFT

BASE CONNECTION & FUSE PLATE DATA TABLE

POST SHAPE	WEIGHT PER FOOT	BASE CONNECTION DATA: BOLT SIZE & TORQUE	A	B	C	D	E	T1	T2	W	R	BOLT KEEPER PLATE DATA: P	U	PERFORATED FUSE PLATE DATA: F	G	J	K	M	D1	D2	T3	BOLT DIA.	WGT. EA. LBS	BOLT LENGTH	V ◪
W6X15	15 LB	⅝" DIA. X 4" 36 TO 38 FT-LB	5"	2"	1¼"	2¾"	1⅛"	1¼"	½"	¼"	11/32"	8½"	10"	5"	2½"	6"	3½"	1½"	11/16"	1¼"	⅜"	⅝"	2.4	2	73.0 LB
W8X18	18 LB											10⅝"	12⅛"	5"	2½"	5¼"	2¾"	1¼"	11/16"	1 1/16"	⅜"	⅝"	2.0	2	83.0 LB
W8X21	21 LB	¾" DIA. X 4¾" 62 TO 63 FT-LB	6"	2¼"	1⅜"	3½"	1¼"	1½"	¾"	5/16"	13/32"	11"	12¾"	5½"	2½"	5¼"	2¾"	1¼"	13/16"	1"	½"	¾"	3.1	2¼"	124.0 LB
W10X22	22 LB											12⅞"	14⅝"	6"	3"	5¾"	2¾"	1⅜"	13/16"	1⅛"	½"	¾"	3.9	2¼"	134.0 LB
W12X26	26 LB											15"	16¾"	6"	3"	6½"	3½"	1⅝"	13/16"	1 5/16"	½"	¾"	4.5	2¼"	152.0 LB

◪ TOTAL STRUCTURAL CARBON STEEL WEIGHT FOR ONE POST = V + (POST LENGTH X POST WEIGHT PER FOOT)

"V" INCLUDES STUB POST, BASE PLATES, STIFFENER PLATES, PERFORATED FUSE PLATES, BOLTS, NUTS, AND WASHERS.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

MATERIALS SHALL CONFORM TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SECTION 506, UNLESS NOTED OTHERWISE.

FABRICATION SHALL CONFORM TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SECTION 506.

ALL POST, POST STUBS & ATTACHMENTS SHALL BE ASTM A709 GRADE 50, GALVANIZED IN ACCORDANCE WITH ASTM A123.

THE POST, BASE PLATES, UPPER SIX INCHES OF STUB POST, FLANGE SPLICE PLATE AND FUSE PLATE SHALL BE GALVANIZED AFTER FABRICATION.

H.S. BOLTS, WASHERS, & NUTS SHALL BE A325 GALVANIZED.

FOUNDATION MATERIAL PROPERTIES

CONCRETE MASONRY	F'C = 3,500 P.S.I.
BAR STEEL REINFORCEMENT (UNCOATED), GRADE 60	FY = 60,000 P.S.I.

DESIGN DATA

DESIGN CONFORMS TO AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS 1ST EDITION 2015 (WITH 2017 & 2018 INTERIM REVISIONS).

DEAD LOADS (DL):

- STEEL POST SELF WEIGHT
- SIGN PANEL WEIGHT = 3 PSF

WIND LOADS (WL):

WIND LOADS WERE APPLIED TO THE PROJECTED AREAS OF THE SIGN PANELS AND THE STEEL SIGN POSTS.

- BASIC WIND SPEED = 76 MPH
- MEAN RECURRANCE INTERVAL (MRI) = 10 YEARS
- HEIGHT & EXPOSURE FACTOR = 1.00
- DIRECTIONALITY FACTOR = 0.85
- GUST EFFECT FACTOR = 1.14

WIND LOAD CASES:

- WL CASE 1: 1.0 X NORMAL WIND
- WL CASE 2: 1.0 X TRANSVERSE WIND
- WL CASE 3: 0.75 X NORMAL WIND + 0.75 X TRANSVERSE WIND

LOAD COMBINATIONS:

LOAD COMBINATION	TYPE	DL FACTOR	WL FACTOR
STRENGTH I	GRAVITY	1.25	-
EXTREME I	WIND	1.10	1.0
		0.9	1.0
SERVICE I	DEFLECTION	1.0	1.0

FOUNDATION DESIGN DATA

THE FOUNDATION DESIGN ASSUMED COHESIONLESS SOILS (LOOSE SAND) ABOVE THE WATER TABLE WITH THE FOLLOWING PROPERTIES:

- SOIL UNIT WEIGHT = 115 PCF
- ANGLE OF INTERNAL FRICTION = 24 DEGREES
- SOIL MODULUS PARAMETER = 25 LB/IN3

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE BTO TYPE I SIGNS

DRAWN BY | PLANS CK'D.

CONNECTION & FOUNDATION DETAILS 2 OF 2

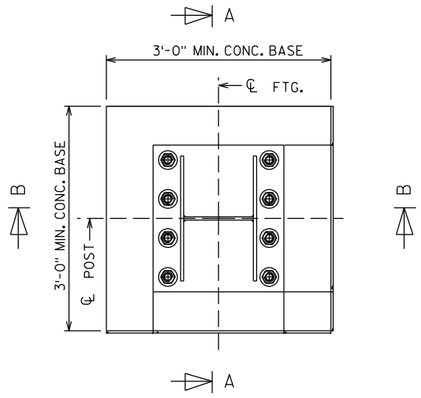
SHEET A3-1.20

503

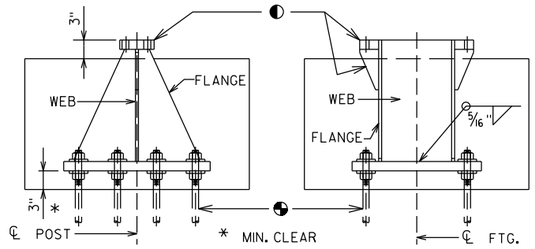
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7

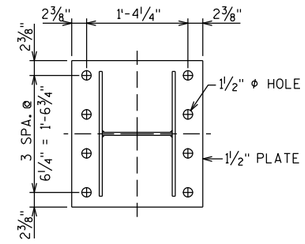
STUB AND ADHESIVE ANCHOR DETAILS



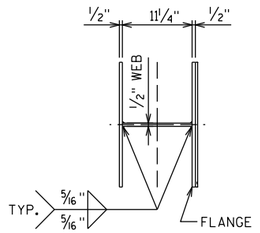
STUB SECTION



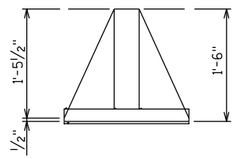
SECTION A-A SECTION B-B



BASE PLATE



STUB



FLANGE

◐ SEE BASE CONNECTION DETAILS ON "CONNECTIONS & FOUNDATION DETAILS" SHEETS.

◔ ADHESIVE ANCHORS 1¼-INCHES. ALLOWABLE PULL OUT CAPACITY = 15 KIPS. EMBED 1'-3" INTO ROCK.

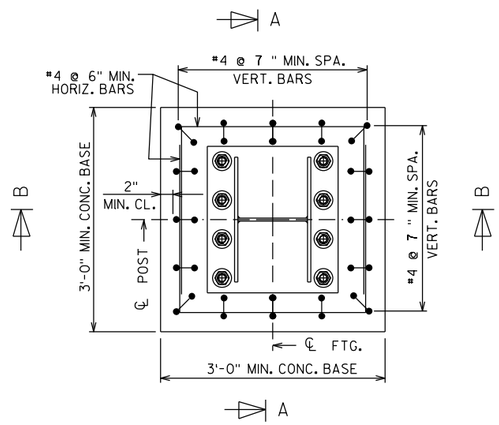
GENERAL NOTES:

QUANTITIES PER BASE:
REINFORCING STEEL = 62 LB
CONCRETE = 0.6 CY
STRUCTURAL STEEL = 335 LB

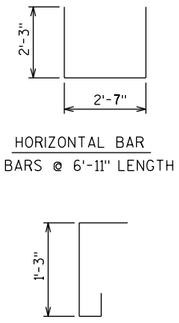
ALL MATERIALS, EXCEPT FOR ANCHOR ROD, NUTS, AND WASHERS, SHALL BE ASTM A709 GRADE 50. ALL MATERIALS TO BE GALVANIZED AFTER FABRICATION.

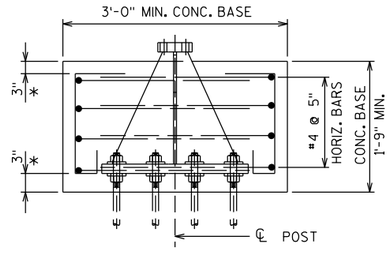
IF ROCK IS ENCOUNTERED PRIOR TO REACHING THE MINIMUM DRILLED SHAFT EMBEDMENT DEPTH DEFINED ON THE FOUNDATION DATA TABLE OF THE "CONNECTIONS & FOUNDATION DETAILS 2 OF 2" SHEET, THE CONTRACTOR SHALL INSTALL A TEST ADHESIVE ANCHOR AND DETERMINE THE PULL-OUT CAPACITY. IF THE FIELD TEST RESULTS IN A PULL-OUT CAPACITY GREATER THAN OR EQUAL TO 15 KIPS, THE CONTRACTOR MAY INSTALL THE ALTERNATE CONCRETE BASE AND BREAK-WAY STUB PER THE DETAILS ON THIS SHEET.

CONCRETE BASE DETAILS

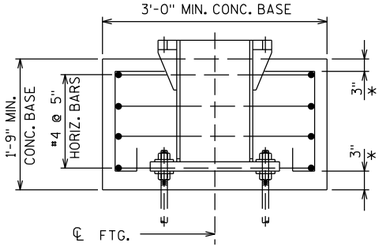


CONCRETE BASE PLAN





SECTION A-A



SECTION B-B

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

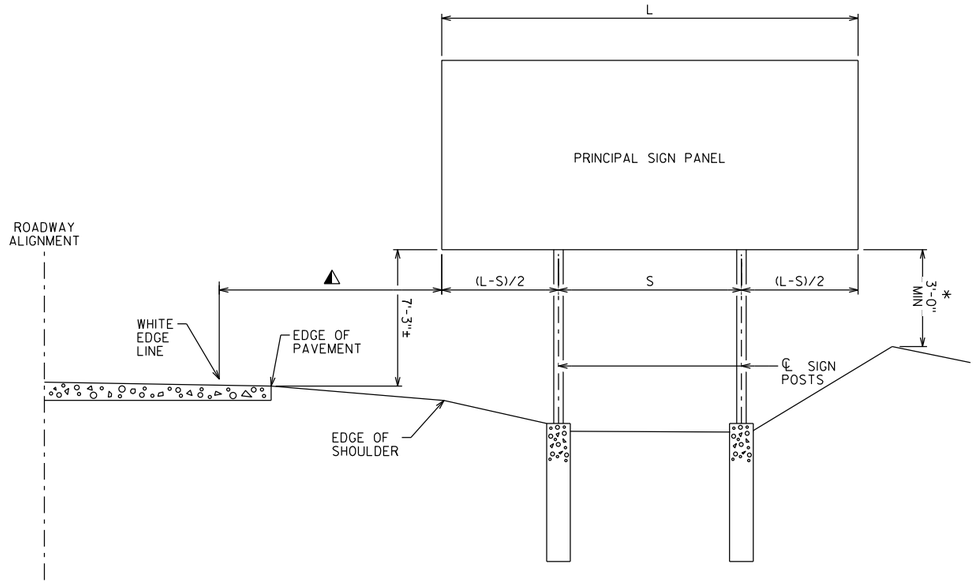
STRUCTURE BTO TYPE I SIGNS

DRAWN BY | PLANS CK'D.

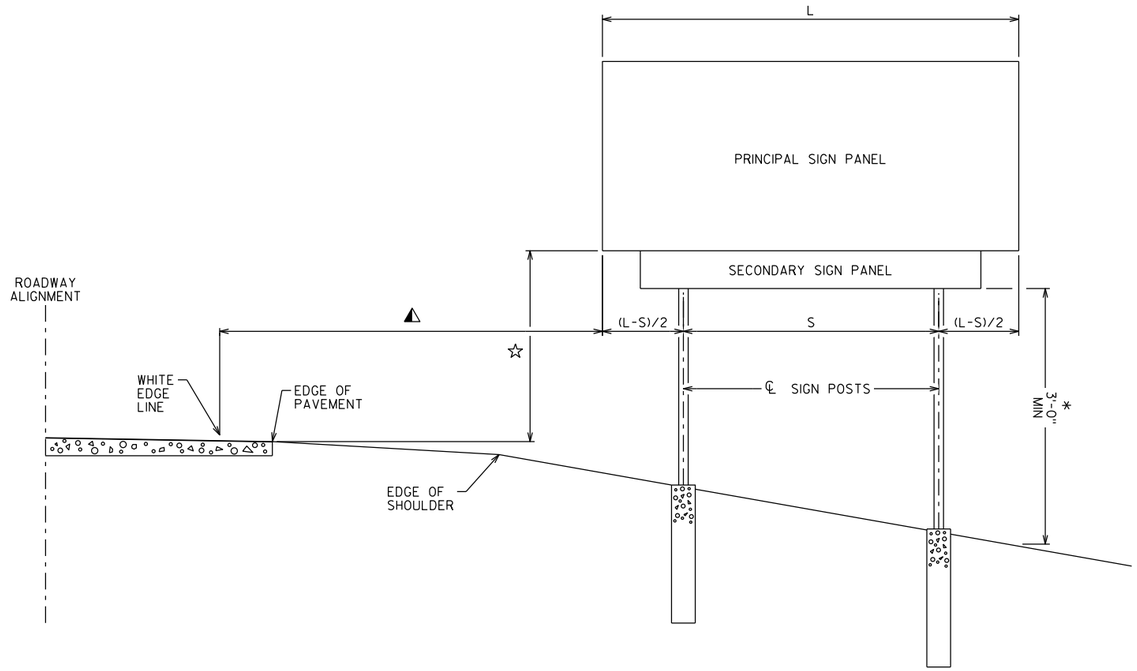
ALTERNATE BREAK-AWAY BASE ON ROCK

SHEET A3-1M.2

504



INSTALLATION WITHOUT SECONDARY SIGN



INSTALLATION WITH SECONDARY SIGN

TYPE 1 SIGN INSTALLATION NOTES:

FOR A 2-POST INSTALLATION, "S" EQUALS 3L/5, BUT SHALL NOT BE LESS THAN 6'-0".

FOR A 3-POST INSTALLATION, "S" EQUALS 5L/7, BUT SHALL NOT BE LESS THAN 12'-0". THE SPACING BETWEEN ANY TWO POSTS SHALL NOT BE LESS THAN 6'-0".

◭ UNLESS NOTED IN THE PLANS, THE SIGN OFFSET DISTANCE SHALL BE A MINIMUM OF 17'-6" FROM THE WHITE EDGE LINE, DESIRABLE 30'-0".

THE ± TOLERANCE SHOWN ON THIS SHEETS IS 3".

THE VERTICAL SIGN HEIGHT CLEARANCES SHOWN ON THIS SHEET ARE MEASURED FROM THE BOTTOM OF THE SIGN PANEL TO THE NEAR EDGE OF PAVEMENT.

☆ THE VERTICAL CLEARANCE SHALL BE 8'-3"± WHEN THE SECONDARY SIGN HEIGHT IS 3'-0" OR LESS. FOR SECONDARY SIGN HEIGHTS LARGER THAN 3'-0", THE VERTICAL CLEARANCE TO THE BOTTOM OF THE SECONDARY SIGN PANEL SHALL BE 5'-3"±.

* THE VERTICAL SIGN GROUND CLEARANCE ON RIGHT END OF SIGN SHALL BE A MINIMUM OF 3'-0"±.

POST LENGTHS SHOWN IN THE MISCELLANEOUS QUANTITIES ARE ESTIMATED LENGTHS. THE CONTRACTOR SHALL VERIFY POST LENGTHS AT THE TIME OF FINAL GRADING.

REFER TO THE TRAFFIC ENGINEERING OPERATIONS AND SAFETY MANUAL FOR FURTHER GUIDANCE ON MINIMUM VERTICAL CLEARANCE REQUIREMENTS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

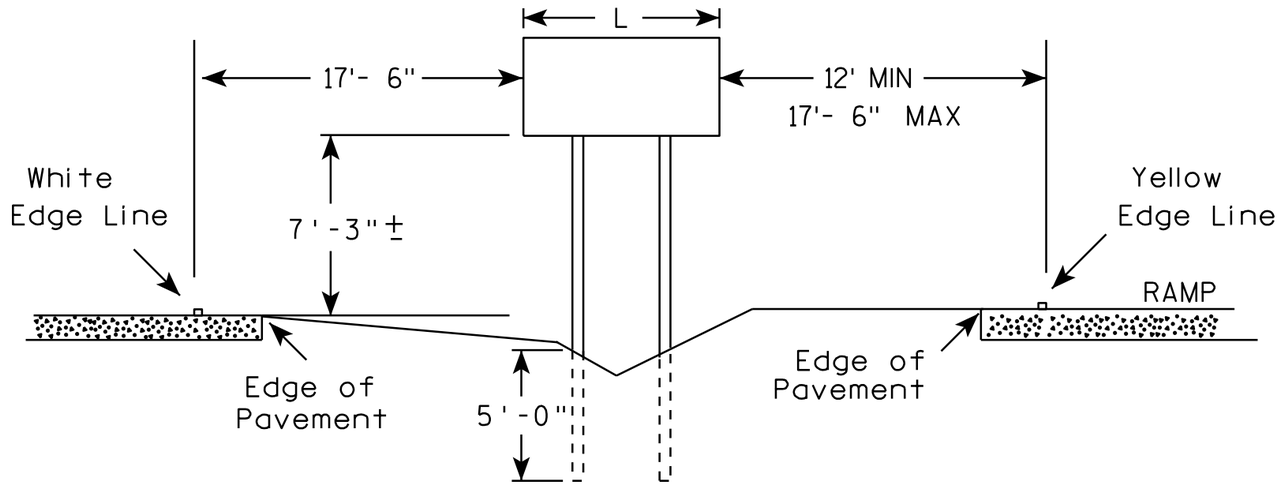
STRUCTURE BTO TYPE I SIGNS

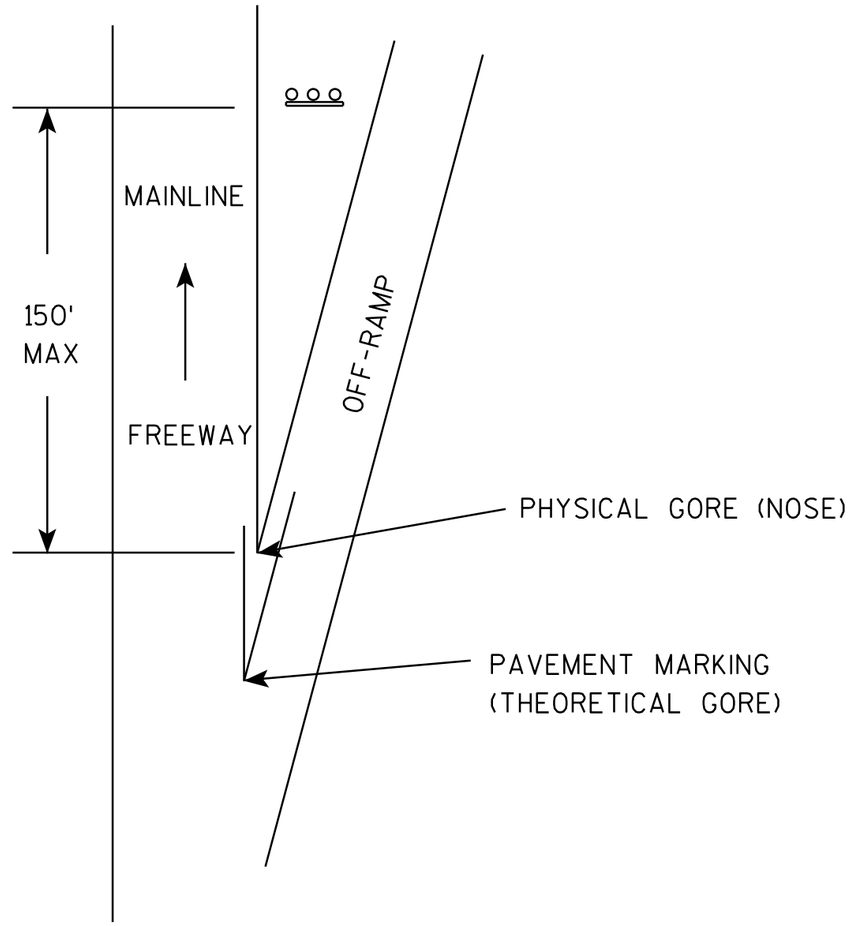
DRAWN BY | PLANS CK'D.

TYPICAL TYPE I SIGN INSTALLATION

SHEET A4-1.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 505 | E





GENERAL NOTES

1. The 150 foot distance from the physical gore (where pavement ends) will normally provide the offsets as shown.
2. If roadway geometrics permit, the sign may be closer than the 150 foot distance as long as the offsets are maintained.
3. At no time shall the location be greater than 150 feet. If the normal offsets cannot be maintained, they can be reduced to 6 feet from the edge of the paved shoulder (both freeway and ramp).
4. The offset from edge of sign to the yellow edge line on the ramp is shown as a minimum of 12 feet and a maximum of 17 feet, 6 inches. Preference is adhering to the maximum rather than the minimum dimension.
5. When L is equal to or exceeds 10 feet, use 3 posts as per A4-4.
6. The (∓) tolerance for the mounting height is 3 inches.

7

7

TYPICAL INSTALLATION
OF TYPE II SIGNS ON
WOOD POSTS IN GORE

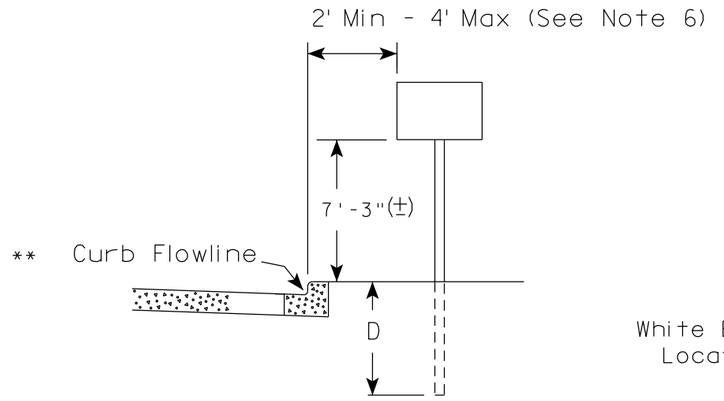
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

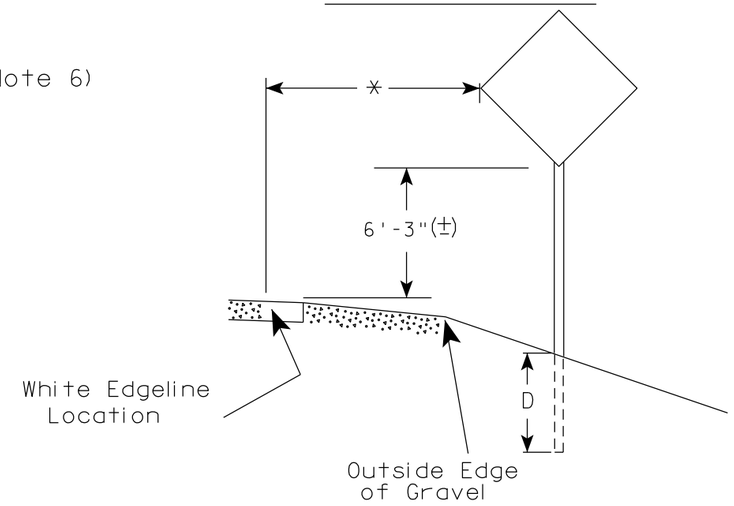
DATE 2/06/14 PLA 506 A4-2.3

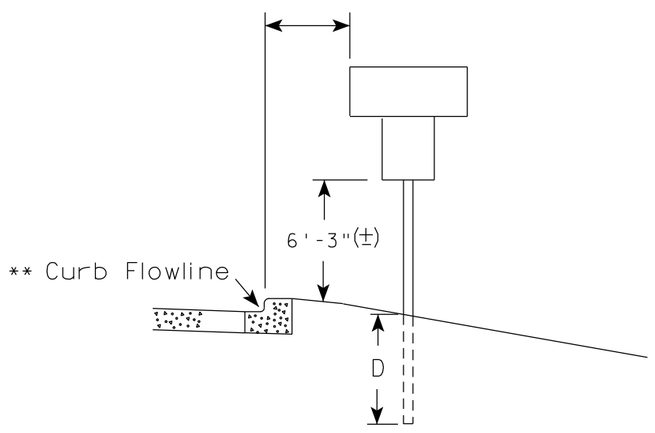
PROJECT NO: | SHEET NO: E

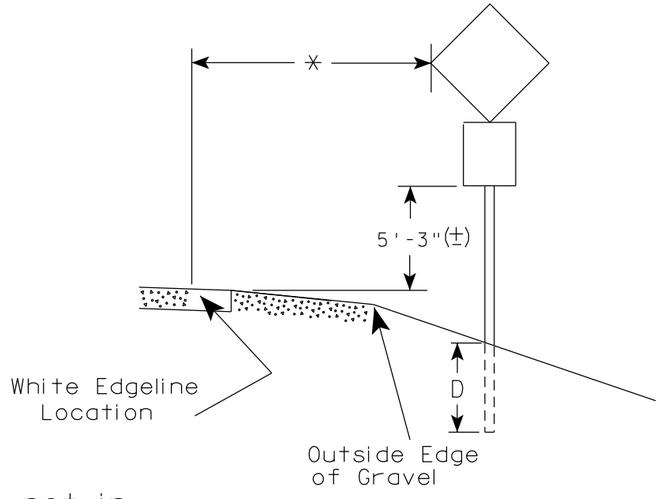
URBAN AREA



RURAL AREA (See Note 2)







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

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

POST EMBEDMENT DEPTH

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

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±). 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. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. The (±) tolerance for mounting height is 3 inches.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.

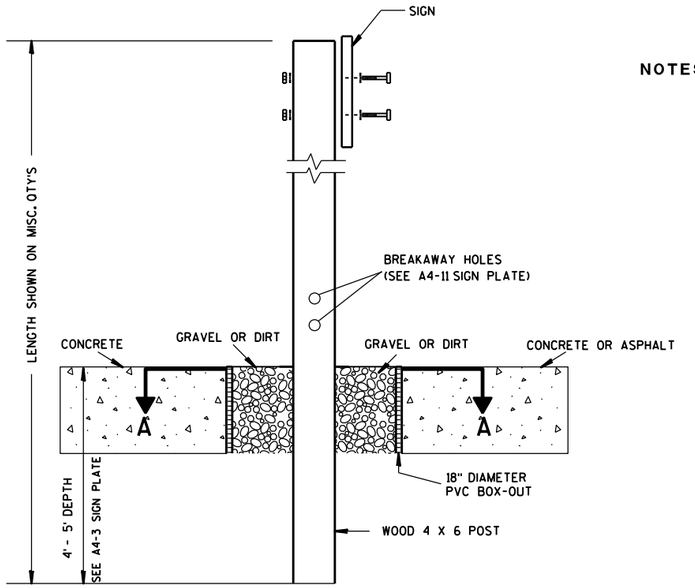
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

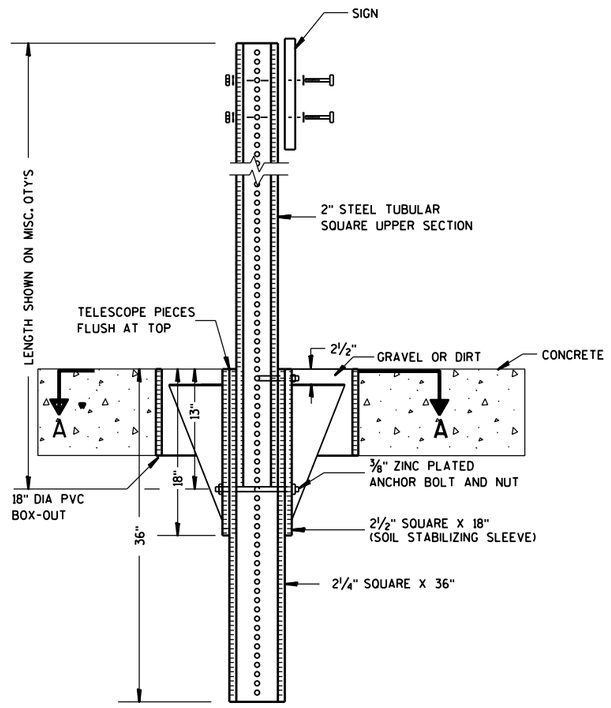
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 507	E



ELEVATION VIEW

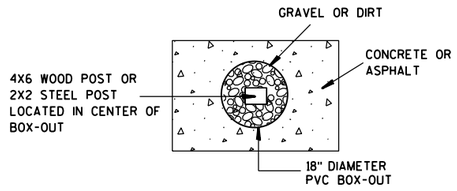
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

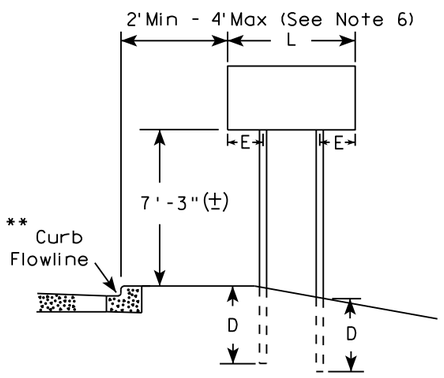
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

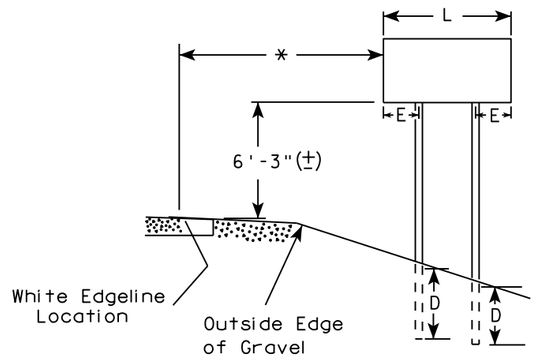
DATE 1/27/14 PLATE NO. A4-3B.1

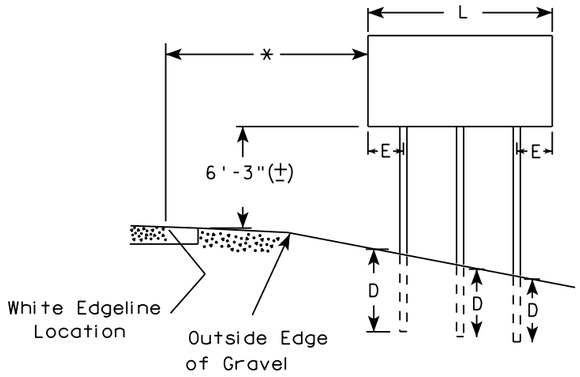
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

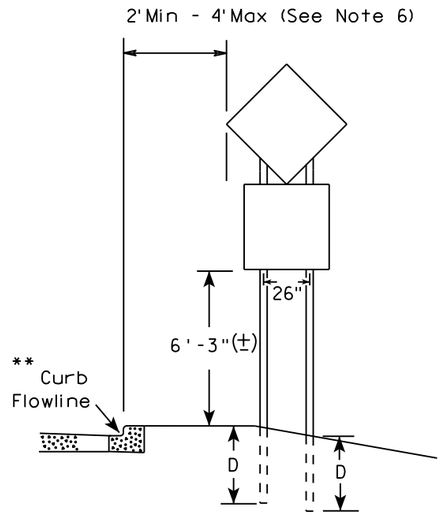
URBAN AREA



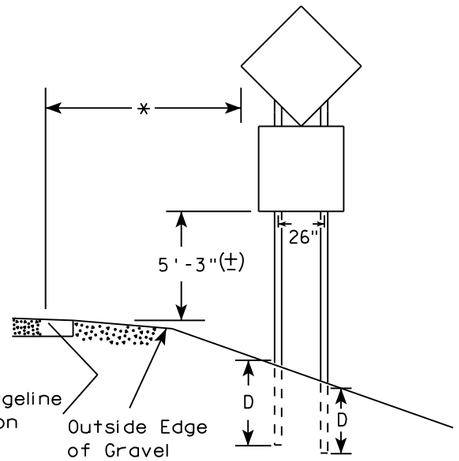
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

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

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

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-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" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-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" (±).

* 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

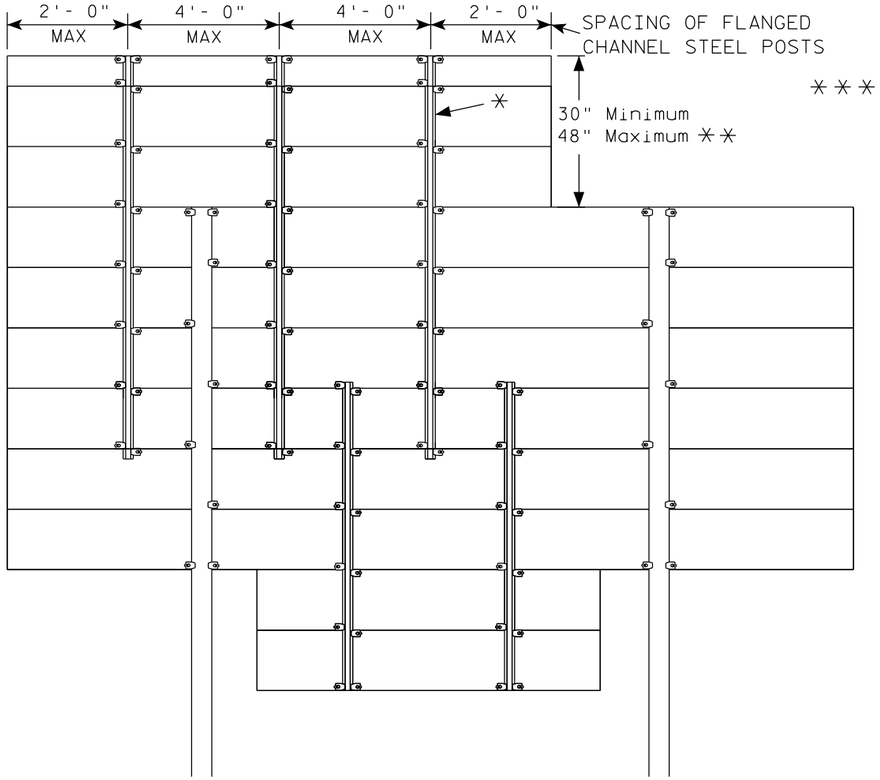
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 509	E

GROUND MOUNTED SIGN



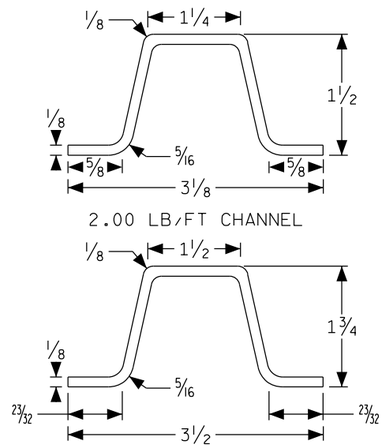
✳=2.00 lb/ft AND 4.00 lb/ft FLANGED CHANNEL, MIN. YIELD STRENGTH = 60,000 PSI (GRADE 60) GALVANIZED

✳✳=FOR 48" HEIGHT PANELS ON OVERHEAD STRUCTURES, ENTIRE SIGN SHALL BE CENTERED VERTICALLY ABOUT THE DEPTH OF THE TRUSS.

✳✳✳ THESE SPACING DISTANCES SHALL ONLY BE USED WHEN THE MAIN SIGN HAS A MAXIMUM HEIGHT (DIMENSION H) OF 15 FT OR LESS. FOR SIGNS WITH A HEIGHT OF GREATER THAN 15 FT, STRUCTURAL CALCULATIONS SHALL BE PERFORMED.

FLANGE CHANNEL DETAILS

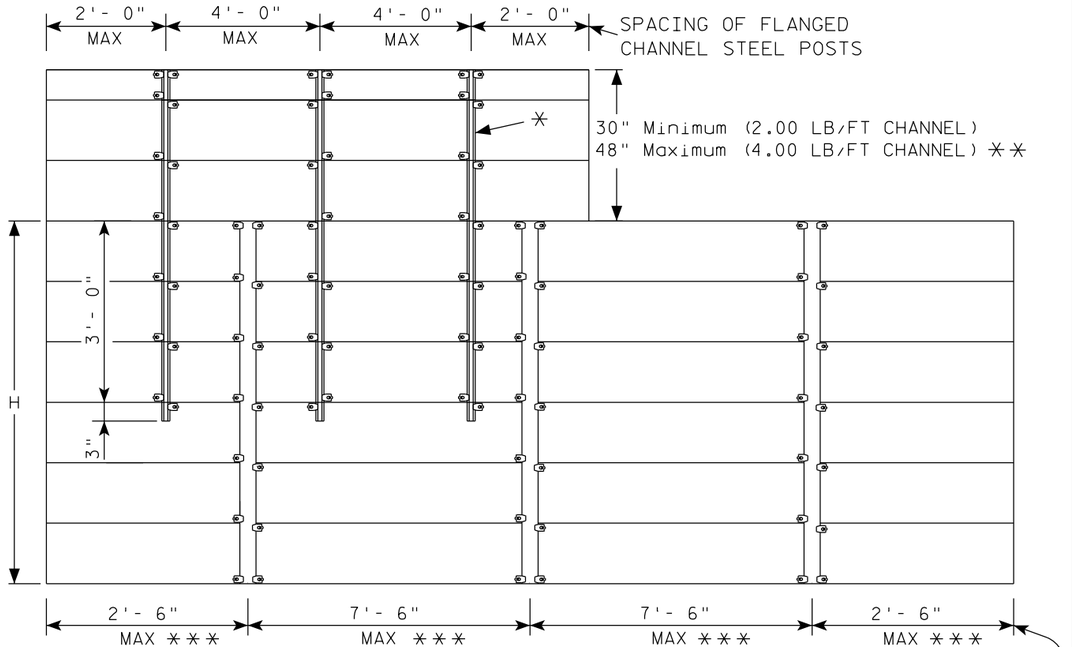
NOT TO SCALE



2.00 LB/FT CHANNEL

4.00 LB/FT CHANNEL

SIGN BRIDGE MOUNTED SIGN



SPACING OF ALUMINUM SIGN SUPPORTS
5" X 3.5" X 3.7 LBS./ft.

GENERAL NOTES

1. Flanged channel steel posts shall conform to size and material above, and shall be considered as incidental to other items in the contract.
2. Number of Flanged channel steel supports varies with length of panel and shall be spaced as shown:

   PANEL LENGTH 8'-0" OR LESS = 2 CHANNELS
   PANEL LENGTH 9'- 0" - 12'- 0" = 3 CHANNELS
   PANEL LENGTH 13'- 0" OR MORE = 4 CHANNELS

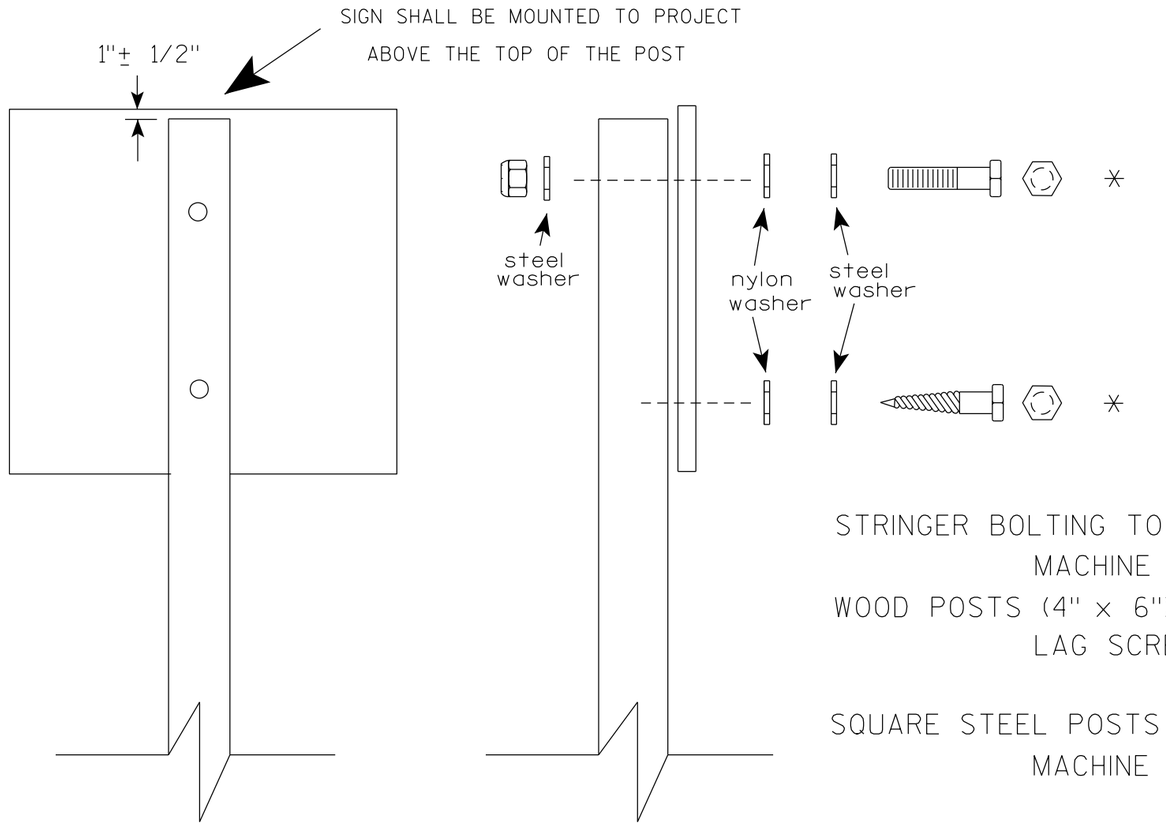
   If the flanged channel steel posts can not be horizontally spaced as shown, they can be moved so as to securely hold the sign.
3. The EXIT NUMBER PANEL shall normally be positioned above the guide sign aligned with the right edge of the guide sign. If the guide sign indicates a left exit, the EXIT NUMBER PANEL shall be aligned with the left edge of the guide sign.
4. If the bolt holes in the top panel (EXIT NUMBER), or sub panel (NEXT EXIT) line up with holes in main sign panel, stitch bolts shall be used in addition to the channels.
5. Provide post clips for each sign as shown. (Please note the differences between a ground mounted versus Sign bridge mounted sign as far as number of clips required on the main supports or beams)
6. Structural steel sign supports shall extend to the top of the main signs, as shown on the above details.

ATTACHMENT OF GUIDE SIGNS TO SUPPORTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/07/20 PLATE NO. A4-6.12



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

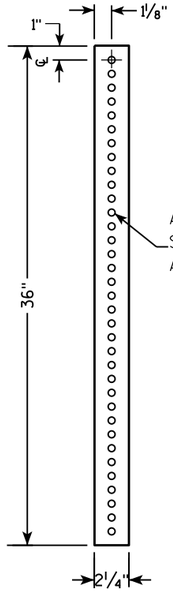
DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

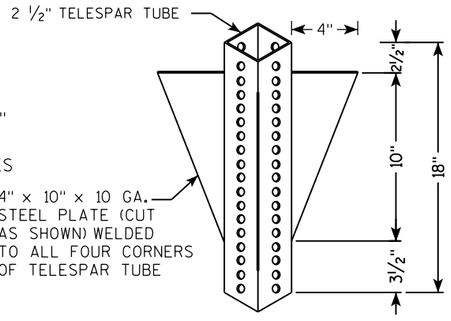
SHEET NO: 511 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

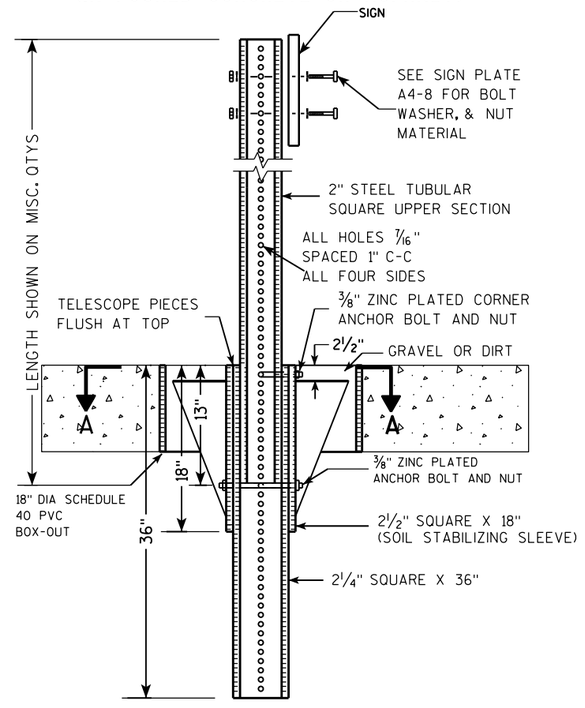
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



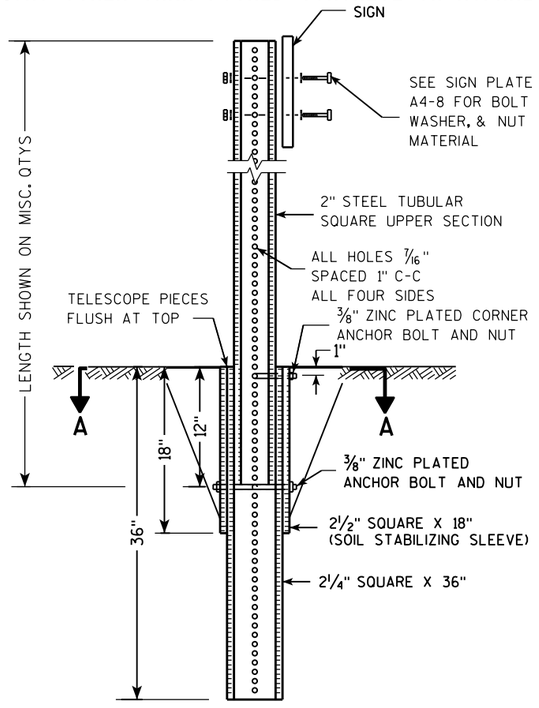
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

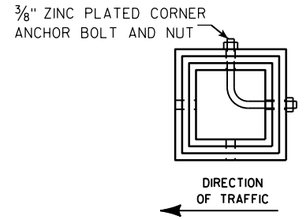


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

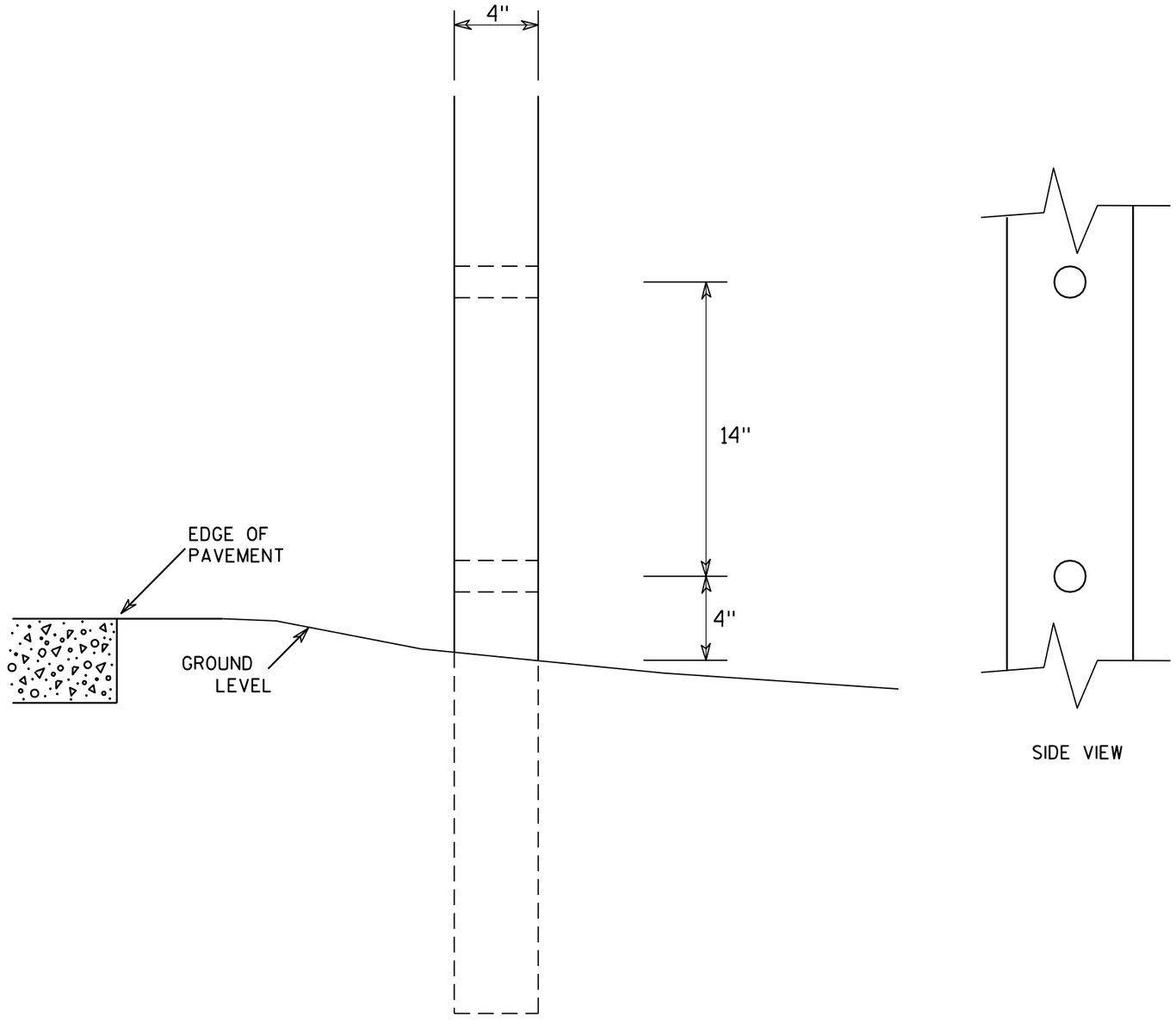
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 512 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000

WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

4 X 6 WOOD POST MODIFICATIONS

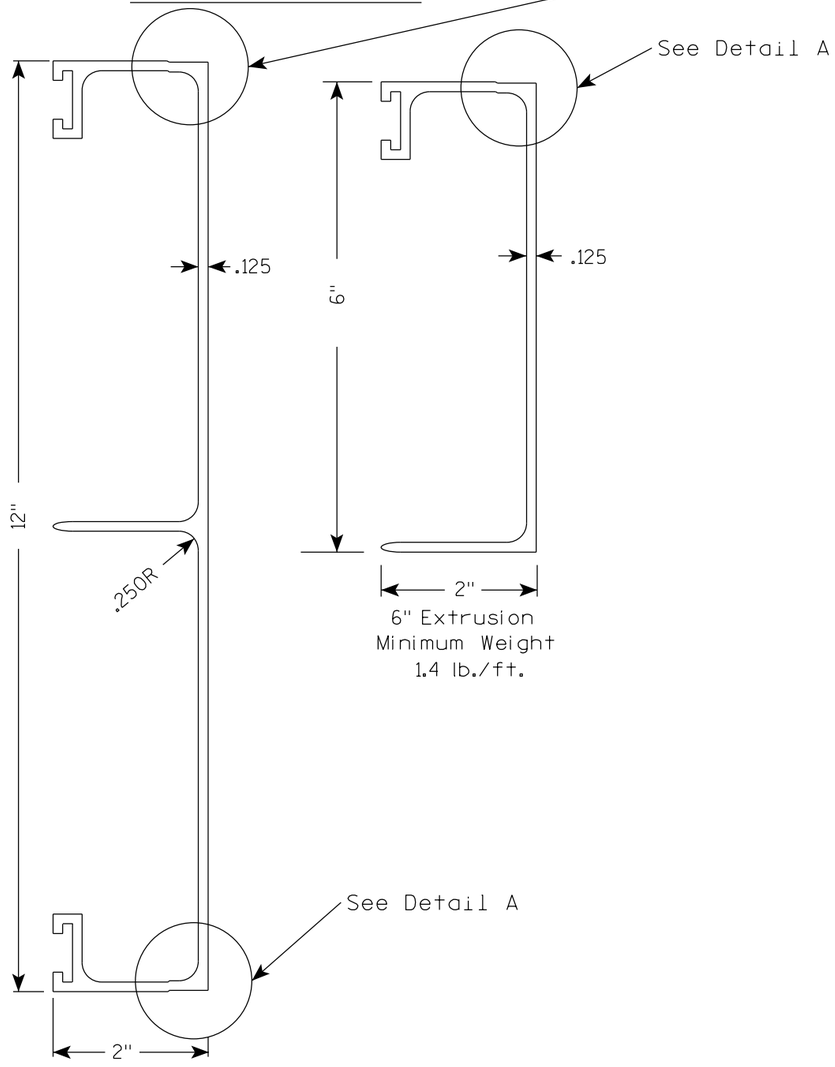
WISCONSIN DEPT OF TRANSPORTATION

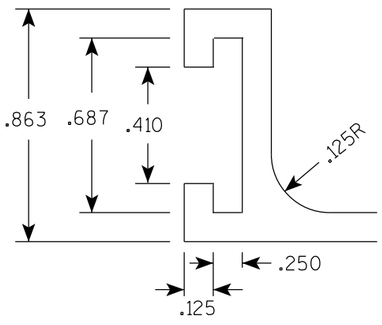
APPROVED Chester J Spang for State Traffic Engineer

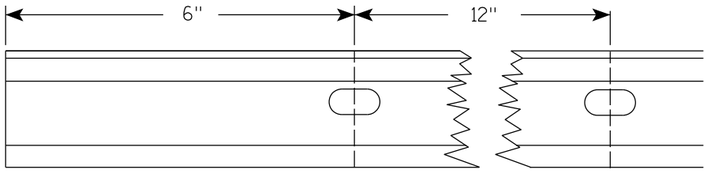
DATE 3/27/97 PLATE NO. A4-11.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 513	E

Extruded Shape







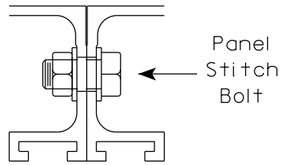
Punch 7/16" x 7/8" oval holes beginning 6" in from end of extrusion 12" CC on both edges of 6" and 12" panels.

Hardware

STITCH BOLT, WASHER & NUT

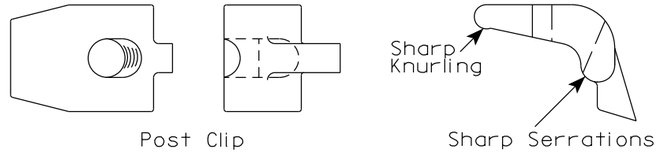
The hardware includes:

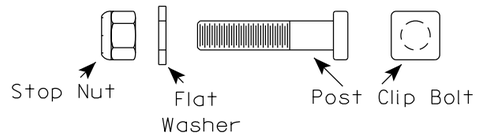
3/8 " - 16 X 3/4 " Economy Bolt 2024-T4 alloy
3/8 " - Stainless steel stop nut
3/8" X .064 Flat Washers, Alclad 2024-T4 alloy



POST CLIP, POST CLIP BOLT, WASHER & NUT

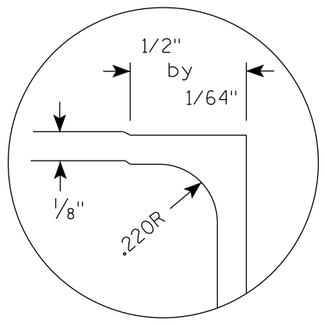
Post Clip shall be Alum. Alloy 356-T6
Post Clip Bolt shall be Stainless Steel.
Flat washer shall be 3/8" X .091, Stainless Steel.
Stop nut shall be stainless steel.





NOTES

1. The contractor may select any brand of extrusion that conforms to the illustrations or meets with the approval of the engineer, but all extrusions used on this contract shall be of the same brand.
2. Panel Stitch Bolts shall be used to assemble adjacent panels. Maximum stitch bolt spacing shall be 24" C-C, and a minimum of 4 bolts shall be used to connect any two extrusions.
3. Post Clips shall be used to attach the sign panel to the sign support.
4. Edge wrapping of sign sheeting required on all extrusions joints shown in Detail A.



DETAIL A (EDGE WRAP JOINT)

ALUMINUM EXTRUSIONS FOR TYPE I SIGNS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

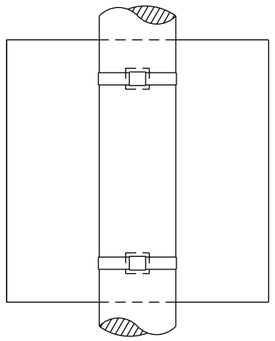
DATE 1/07/20 PLATE NO. A5-2.10

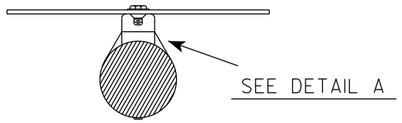
PROJECT NO:

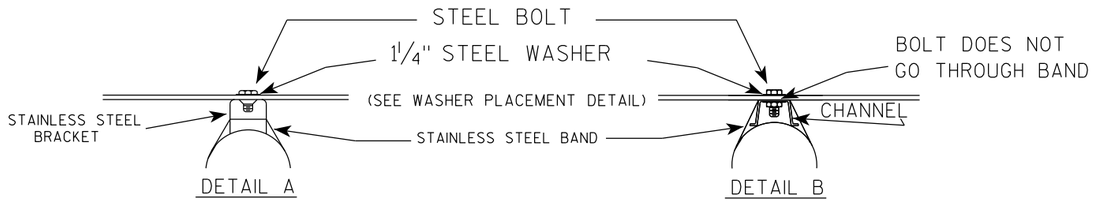
SHEET NO: 514 E

BANDING

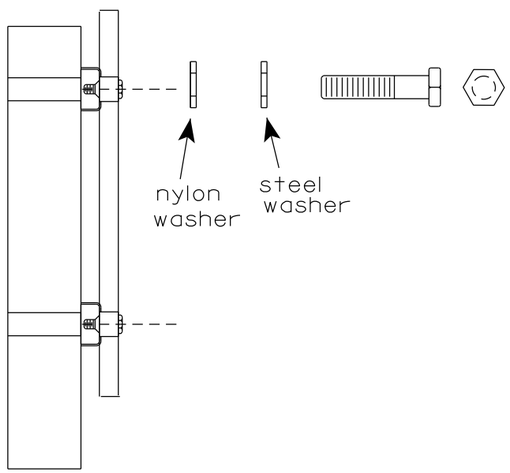
SINGLE SIGN







WASHER PLACEMENT

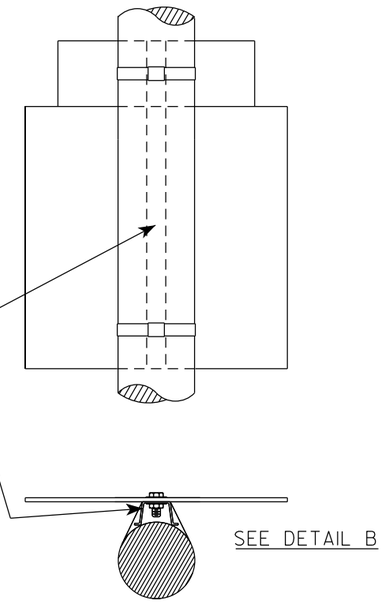


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

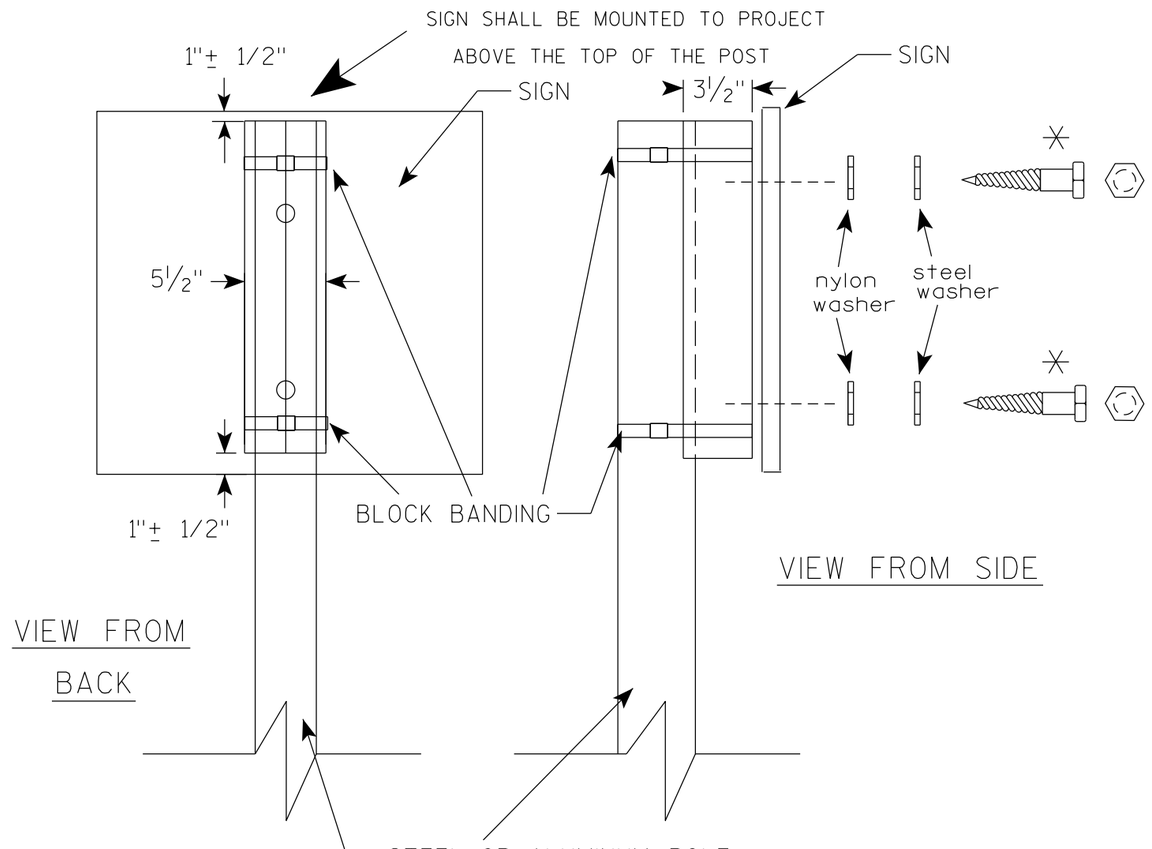
DATE 6/10/19 PLATE NO. A5-9.4

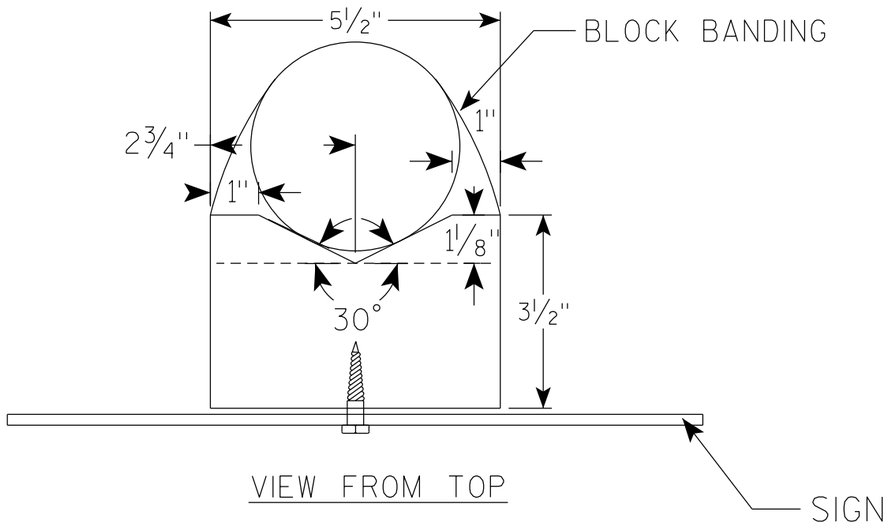
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 515	E

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)

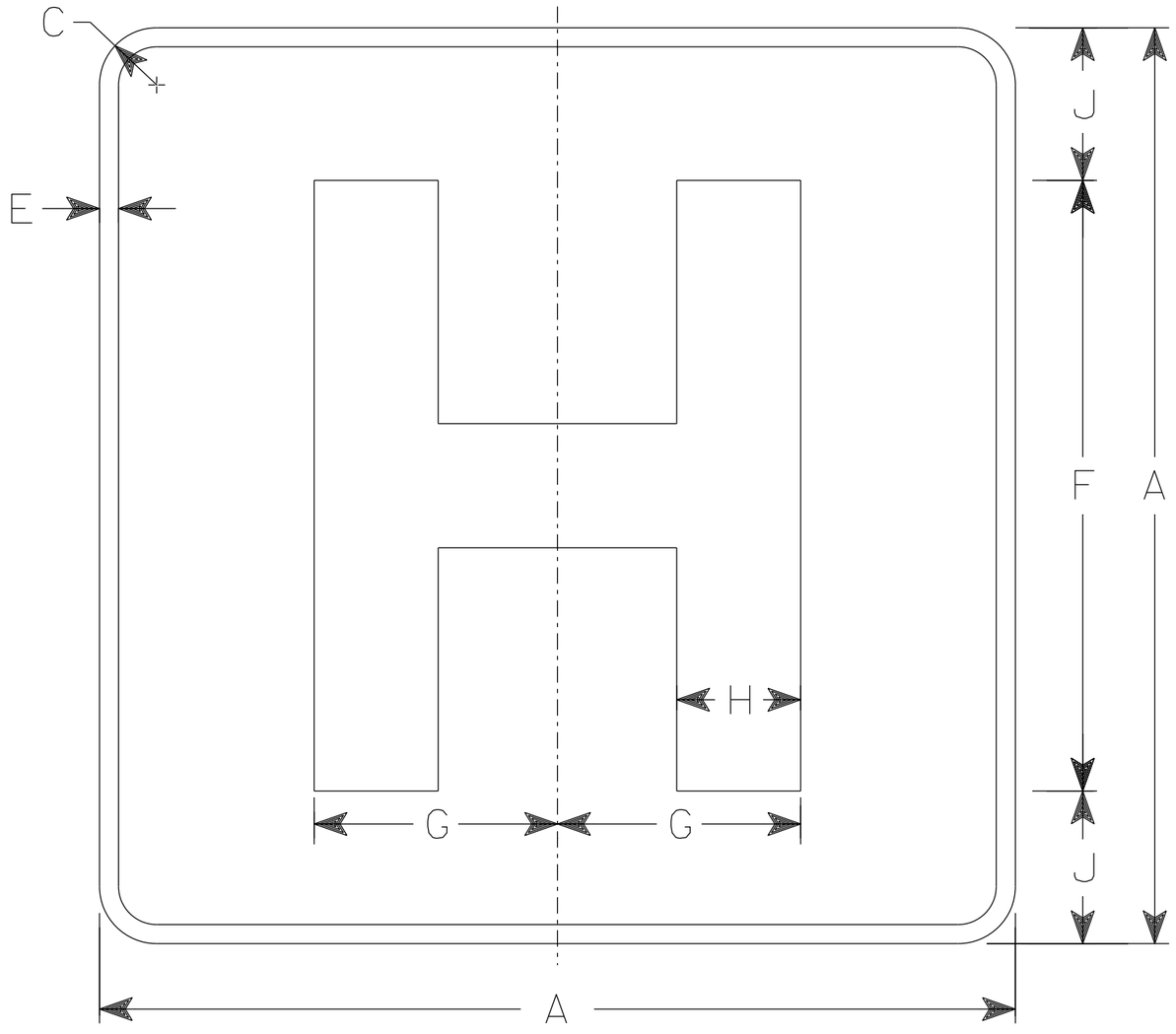
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:

SHEET NO: 516 E



D9-2

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Blue
   Message - White
3. Message Series - E Modified
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18		1 1/8		1/2	12	4 3/4	2 3/8		3																	2.25
2S	24		1 1/2		1/2	16	6 3/8	3 1/4		4																	4.0
2M	24		1 1/2		1/2	16	6 3/8	3 1/4		4																	4.0
3	36		2 1/4		3/4	24	9 1/2	4 7/8		6																	9.0
4																											
5																											

STANDARD SIGN
D9-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/28/21 PLATE NO. D9-2.5

PROJECT NO:

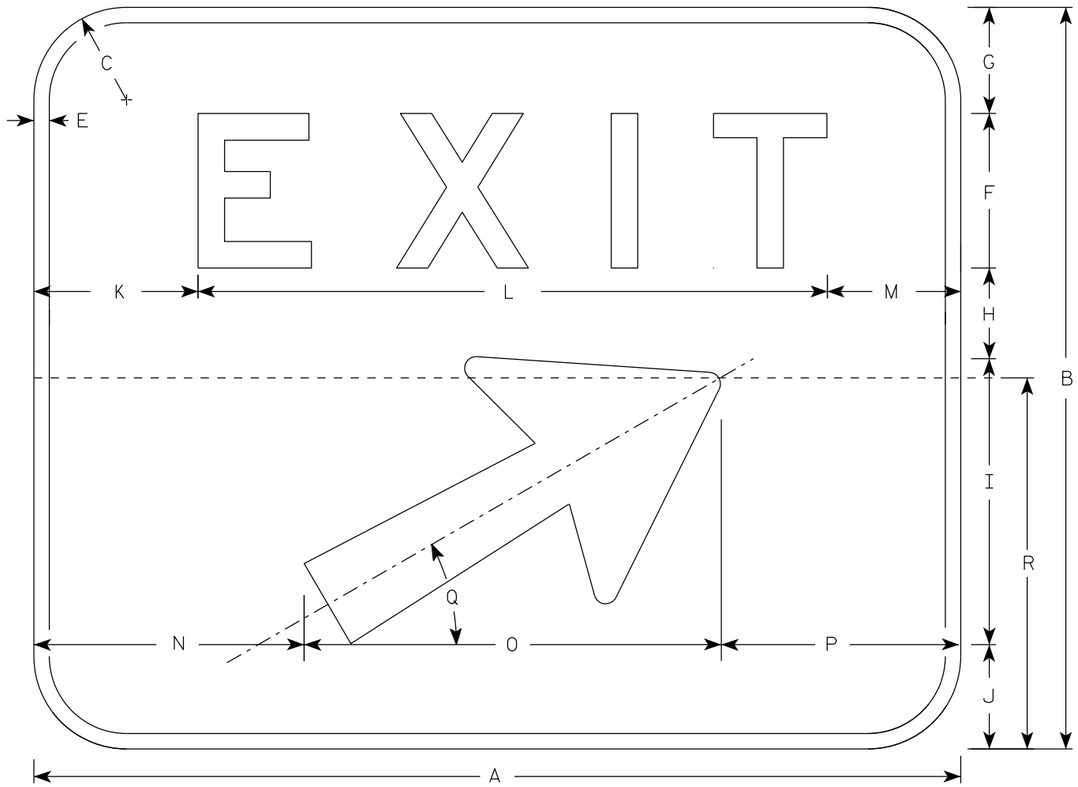
SHEET NO: 517 E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\D92.dgn PLOT DATE : 28-JAN 2021 8:58 PLOT BY : mscj9h

WISDOT/CADDS SHEET 42

7

7



E5-1

NOTES

1. Sign is Type II - Type H reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E
4. Sign shall be split into two seperate pieces as shown on the detail by the dashed line (----------) for sizes 4 & 5.
5. Arrow is Type "A" from sign plate A1-1.
6. As per the Standard Spec's, this sign shall not have a vertical joint.
7. Size 3 E5-1 shall only be used in a Work Zone application with a Temporary Sign Support

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2																											
3	48	48	6		1	10	6 7/8	5 7/8	18 1/2	6 3/4	8 1/2	31 1/8	8 3/8	11 1/2	27	9 1/2	30°	30									16.0
4	60	48	6		1	10	6 7/8	5 7/8	18 1/2	6 3/4	10 5/8	40 3/4	8 5/8	17 1/2	27	15 1/2	30°	30									20.0
5	72	60	6		1	12	9 3/4	10	18 1/2	9 3/4	13 1/4	48 1/2	10 1/4	23 1/2	27	21 1/2	30°	30									30.0

STANDARD SIGN
E5-1

WISCONSIN DEPT OF TRANSPORTATION

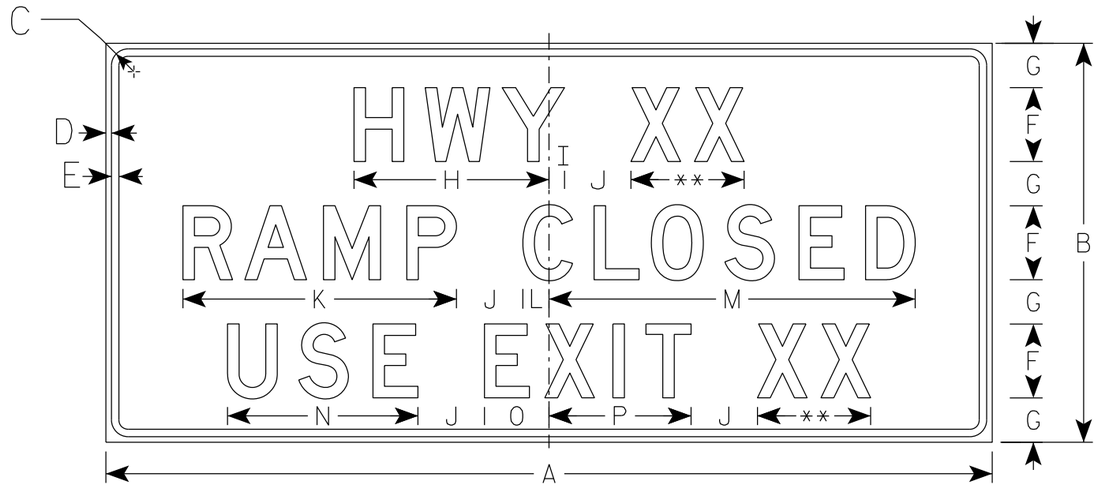
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/2022 PLATE NO. E5-1.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 518 | E

NOTES

1. Sign is Type II- Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Substitute appropriate Highway Number and Exit Number and optically center message



G20-56

** See Note 4

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2																											
3																											
4	120	54	3	¾	1	10	6	26 ⅜	2 ⅛	9	37	3 ½	49 ⅝	25 ¾	8 ¾	19 ¼											45.0
5	120	54	3	¾	1	10	6	26 ⅜	2 ⅛	9	37	3 ½	49 ⅝	25 ¾	8 ¾	19 ¼											45.0

STANDARD SIGN
G20-56

WISCONSIN DEPT OF TRANSPORTATION

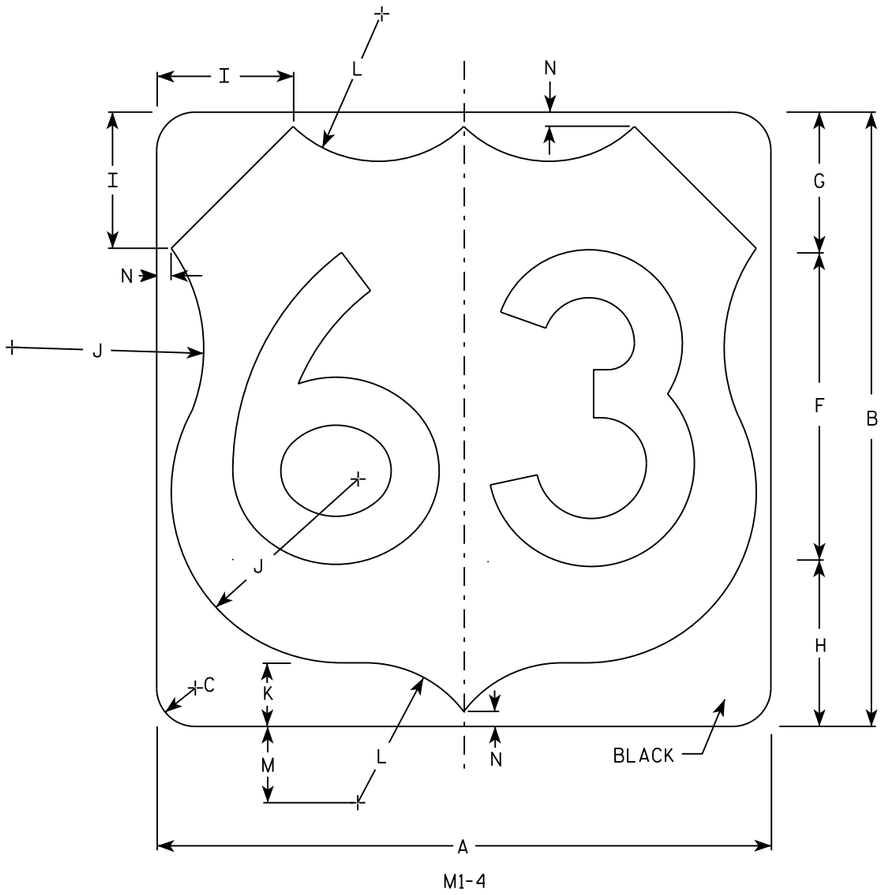
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 6/19/18 PLATE NO. G20-56.1

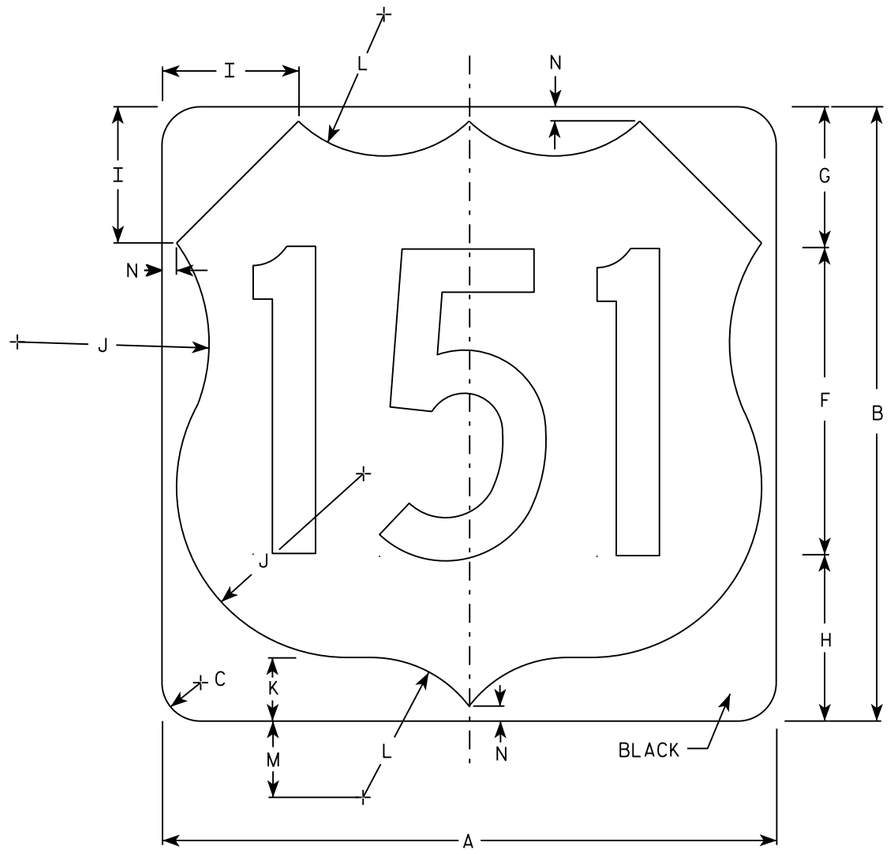
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 519 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



M1-4



M1-4

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area Sq. ft.
1																											
2	24	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0
3	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
4	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
5	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0

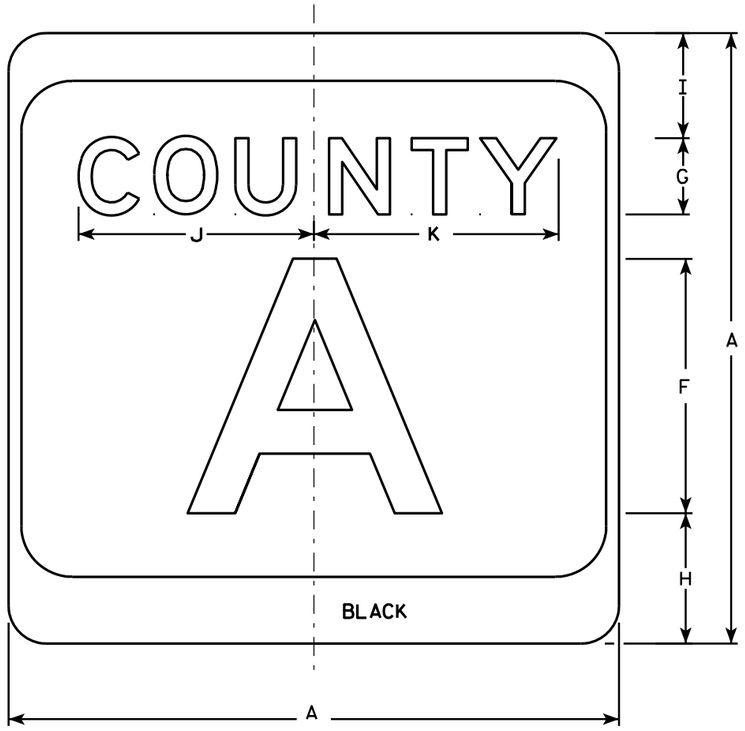
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

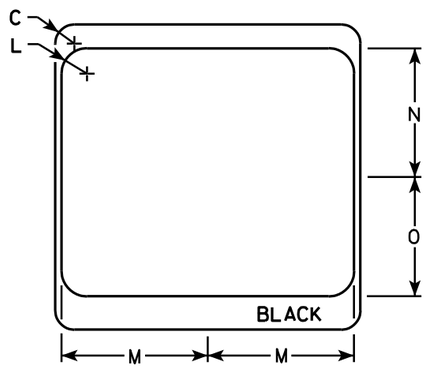
APPROVED Matthew R Rauch
for State Traffic Engineer

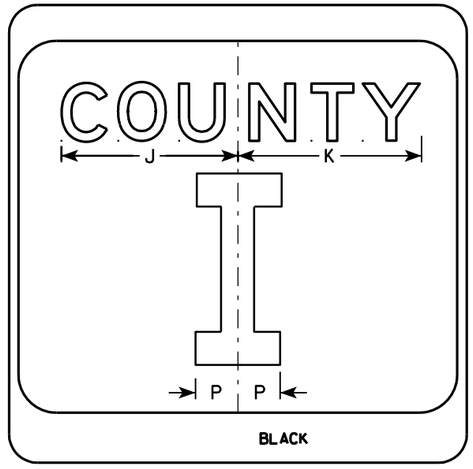
DATE 3/16/18 PLATE NO. M1-4.10

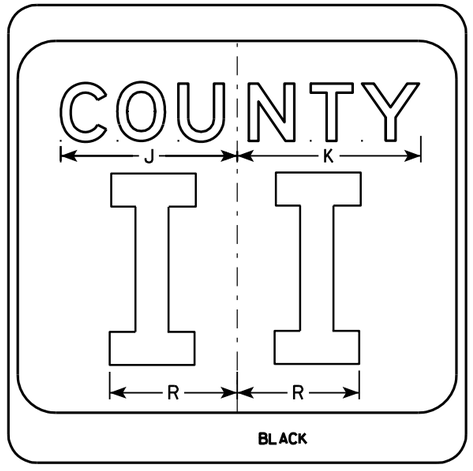
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 520	E



M1-5A







NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   Message - Black
3. Message Series - see Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

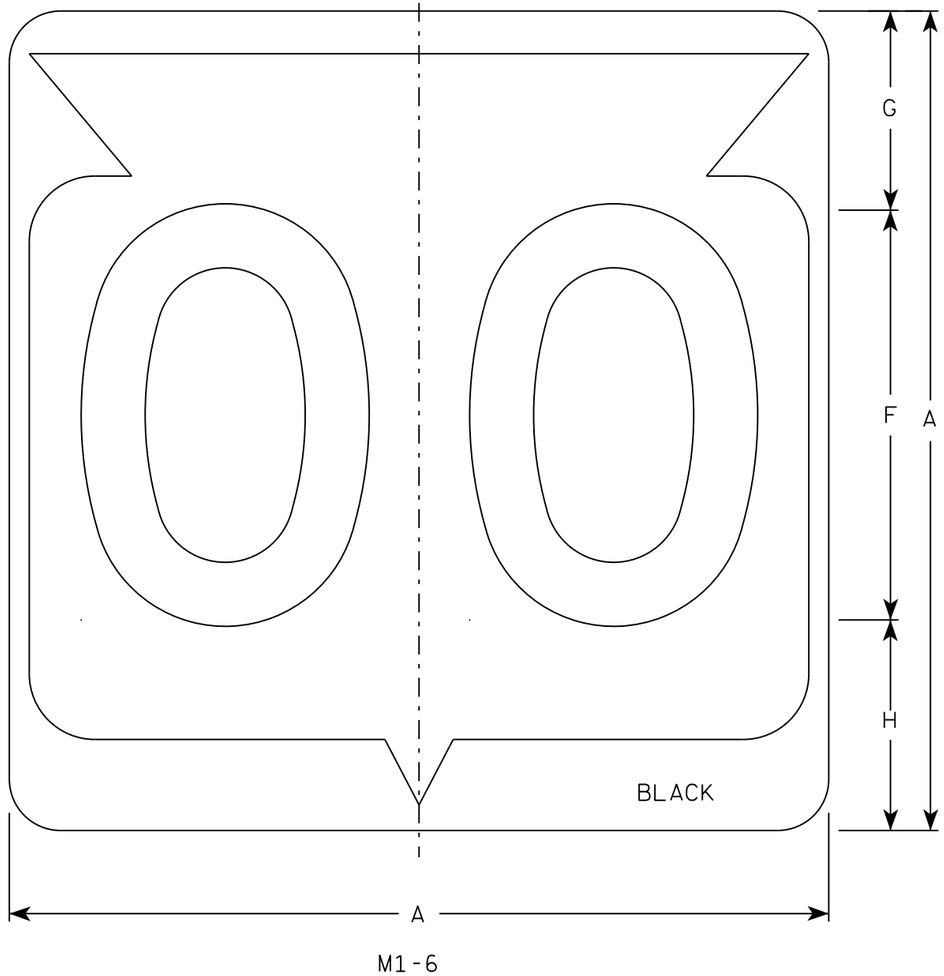
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

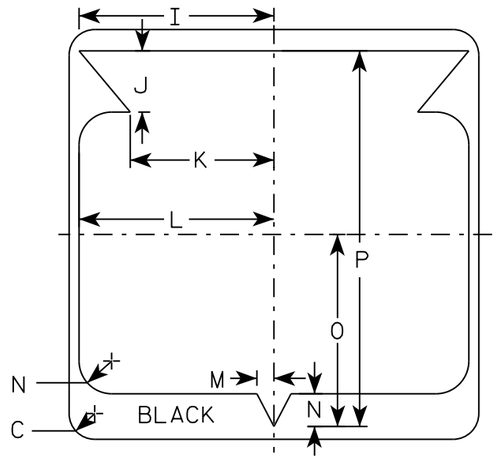
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 521 | E



M1-6

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

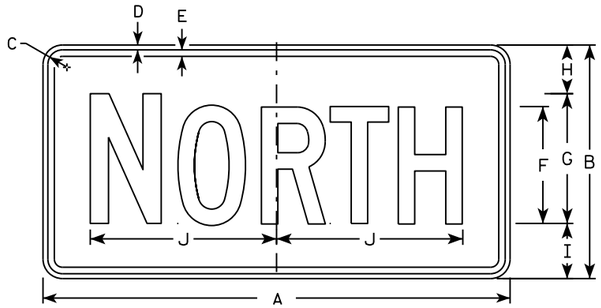
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

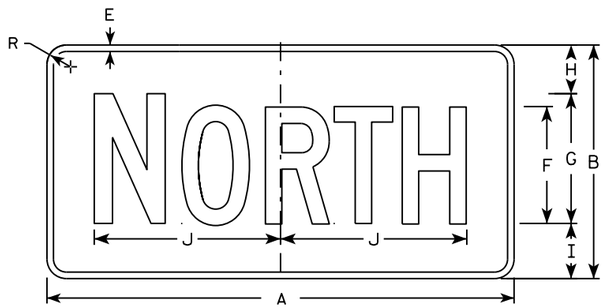
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 522	E



M3-1
MM3-1
MP3-1



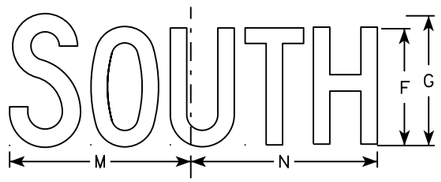
MB3-1
MK3-1
MN3-1



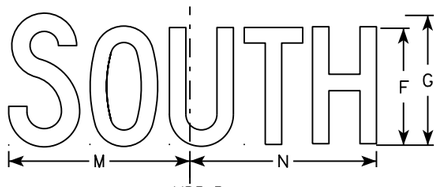
M3-2
MM3-2
MP3-2



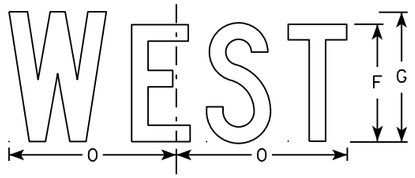
MB3-2
MK3-2
MN3-2



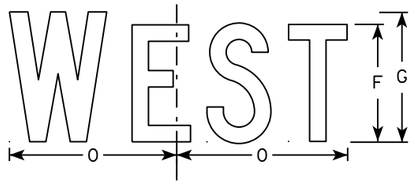
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

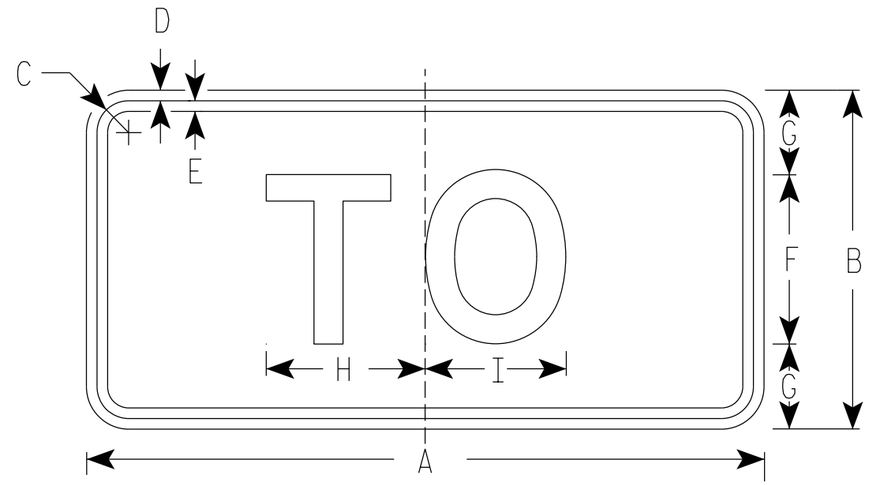
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

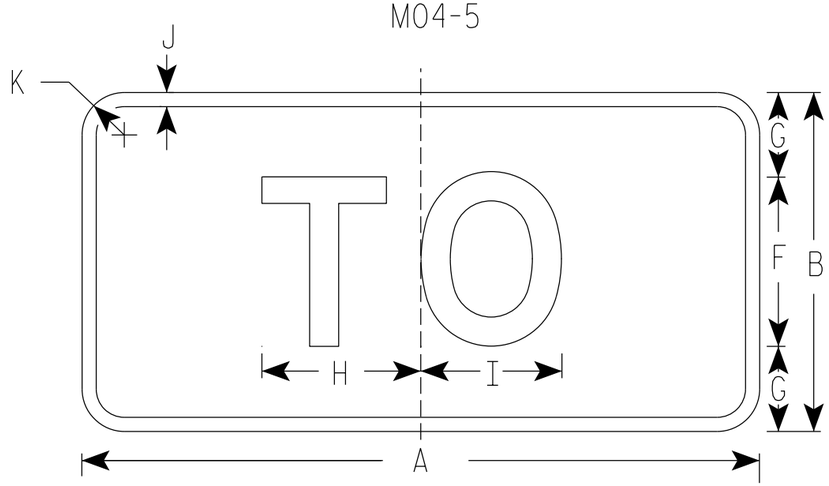
DATE 10/15/15 PLATE NO M3-1.14

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



M4-5
MM4-5
MP4-5
M04-5



MB4-5
MK4-5
MN4-5

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-5 Background - White
   Message - Black

   MB4-5 Background - Blue
   Message - White

   MK4-5 Background - Green
   Message - White

   MM4-5 Background - White
   Message - Green

   MN4-5 Background - Brown
   Message - White

   MP4-5 Background - White
   Message - Blue

   M04-5 Background - Orange Type F Reflective
   Message - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	5 3/8	5 1/4	1/2	1 1/2																2.00
3	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
4	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
5	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5

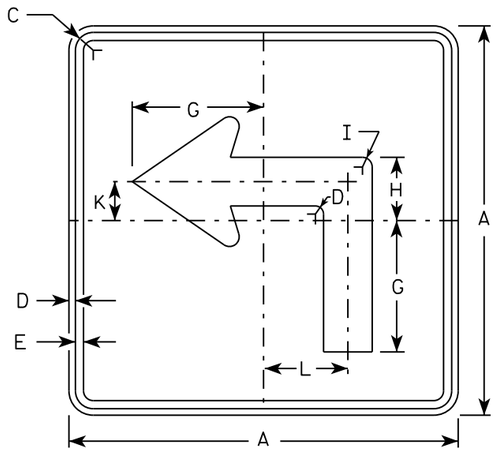
STANDARD SIGN
M4-5

WISCONSIN DEPT OF TRANSPORTATION

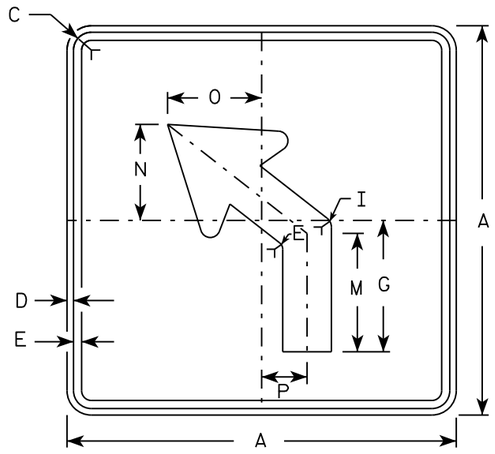
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/7/19 PLATE NO. M4-5.9

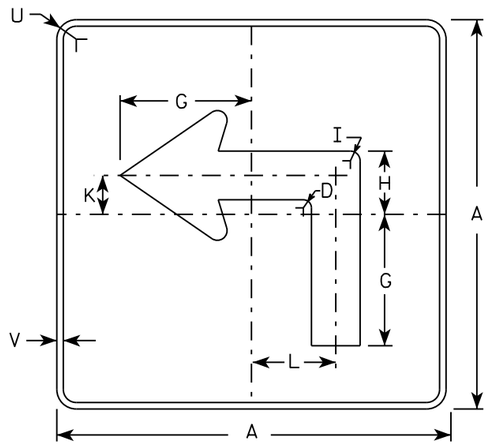
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 524 | E



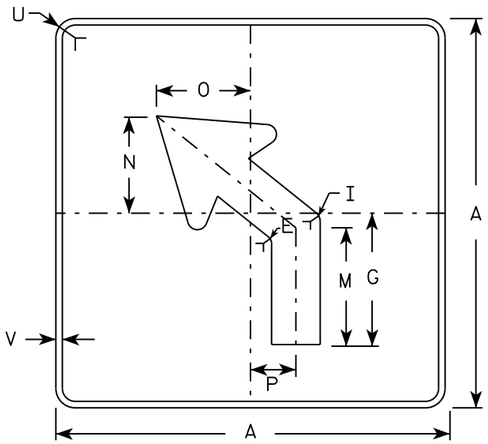
M5-1L
MM5-1L
MO5-1L
MP5-1L



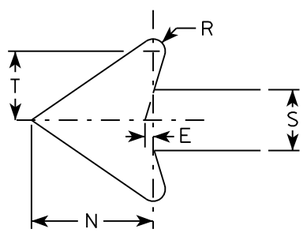
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

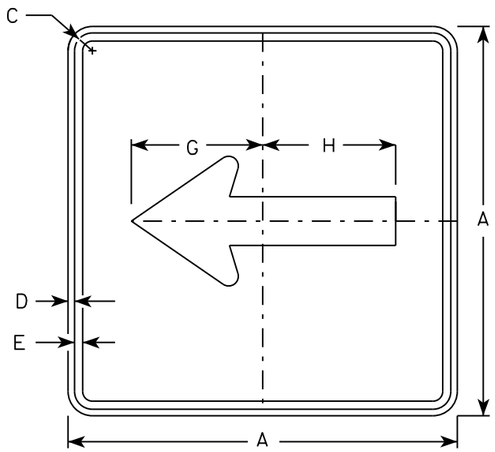
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

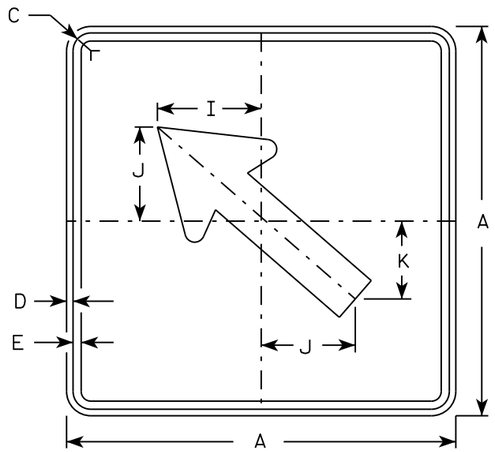
DATE 10/15/15 PLATE NO. M5-1.13

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



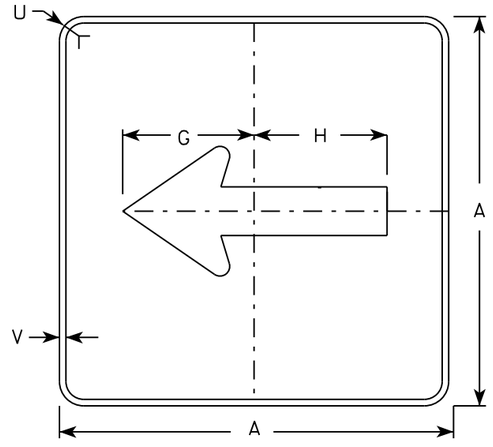
M6-1
MM6-1
MO6-1
MP6-1



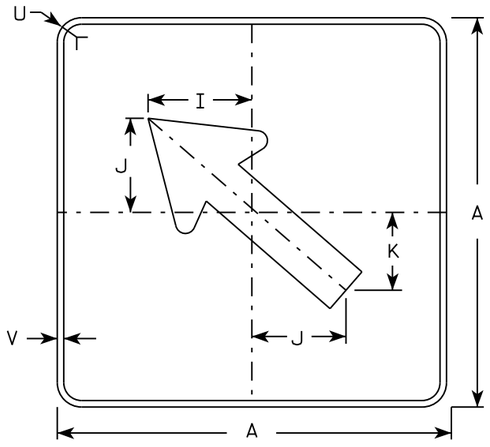
M6-2
MM6-2
MO6-2
MP6-2

NOTES

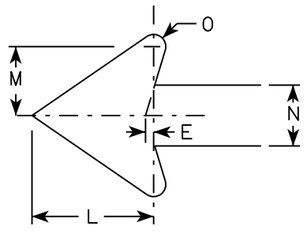
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

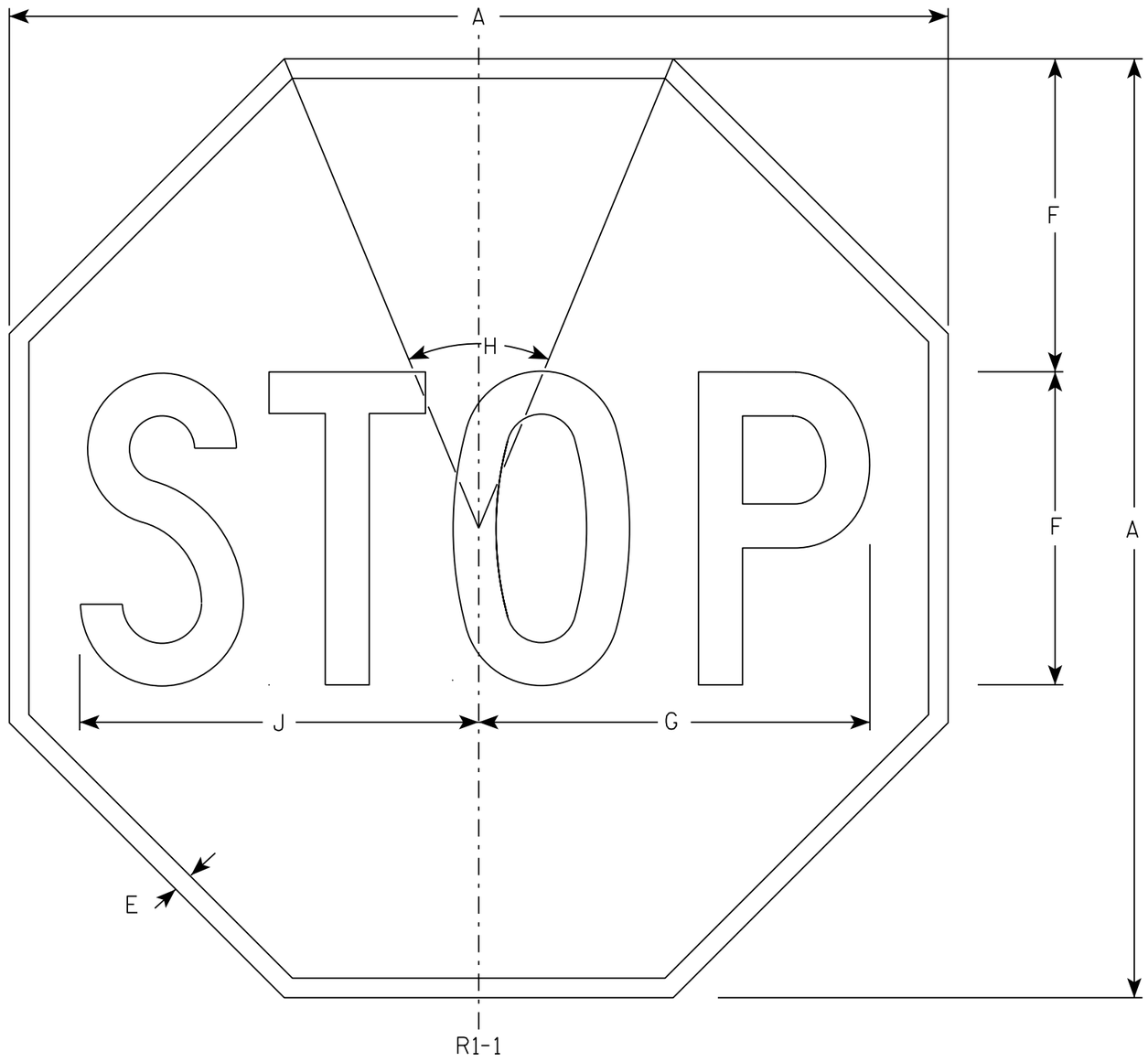
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 526 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

STANDARD SIGN

R1-1

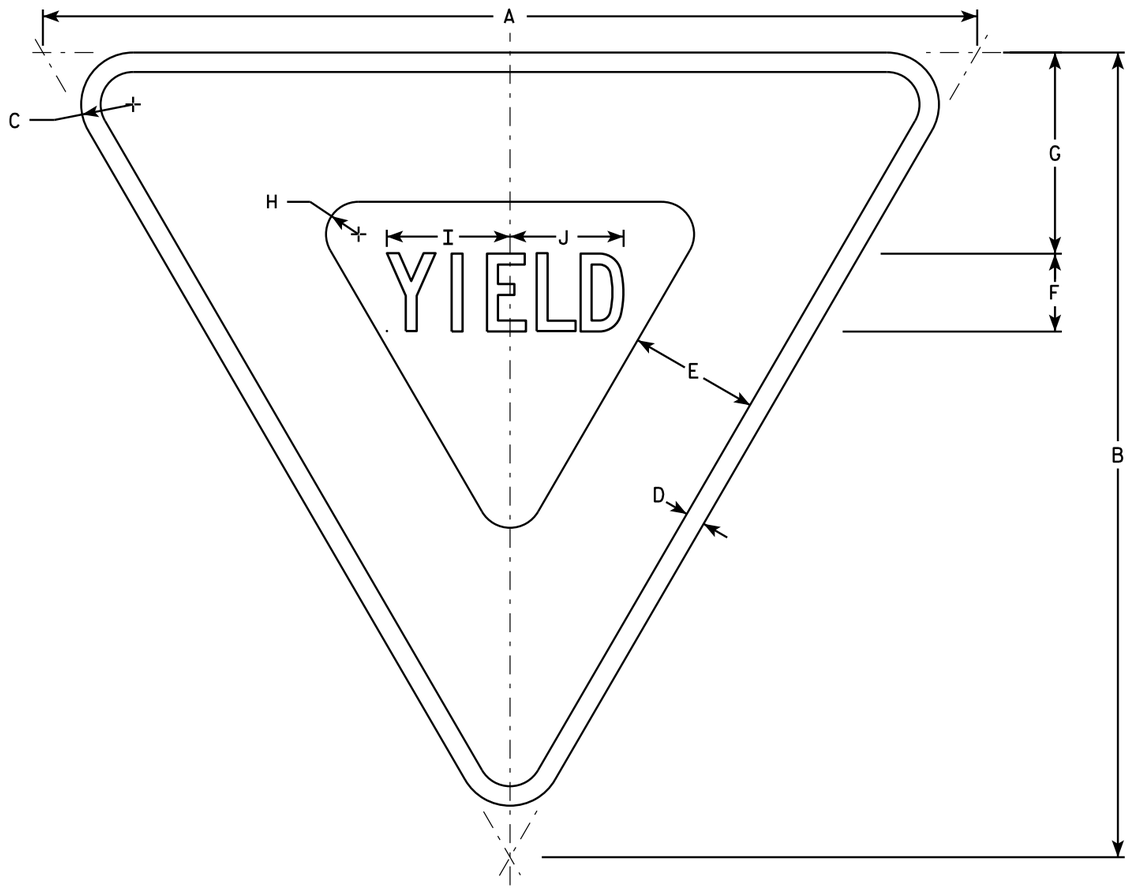
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 527	E



R1-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The border strip and word message are reflectorized red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

STANDARD SIGN
R1-2

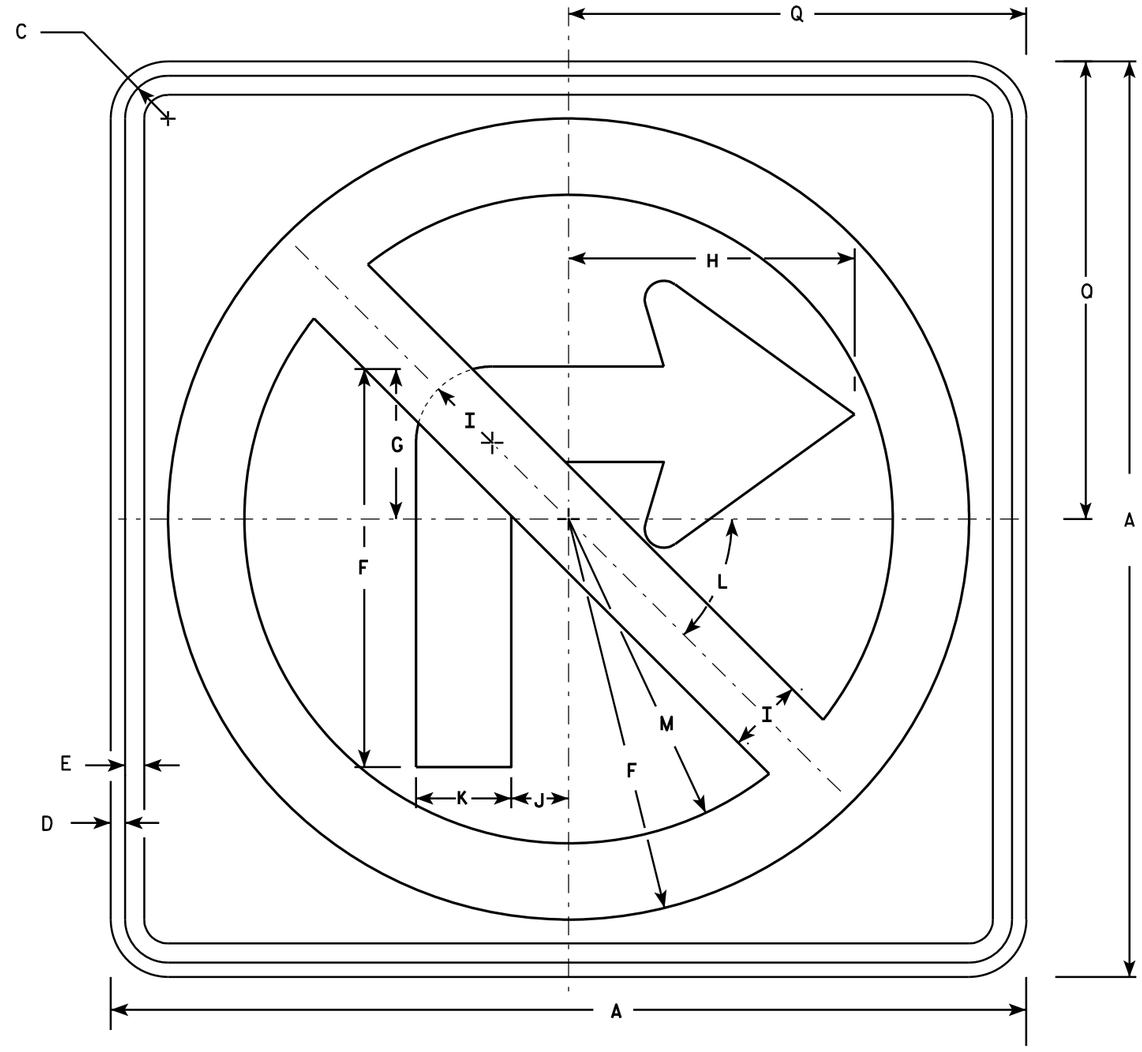
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE R1-2.12

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

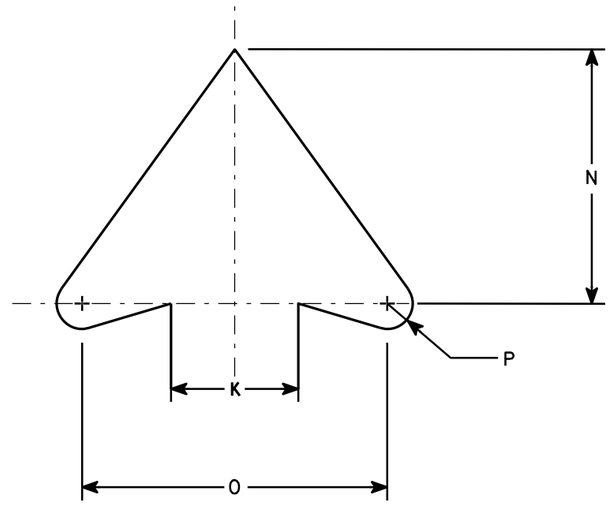
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R12.DGN PLOT DATE : 13-OCT-2014 15:12 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



R3-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2	5	6	1/2	12										4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2	12										4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

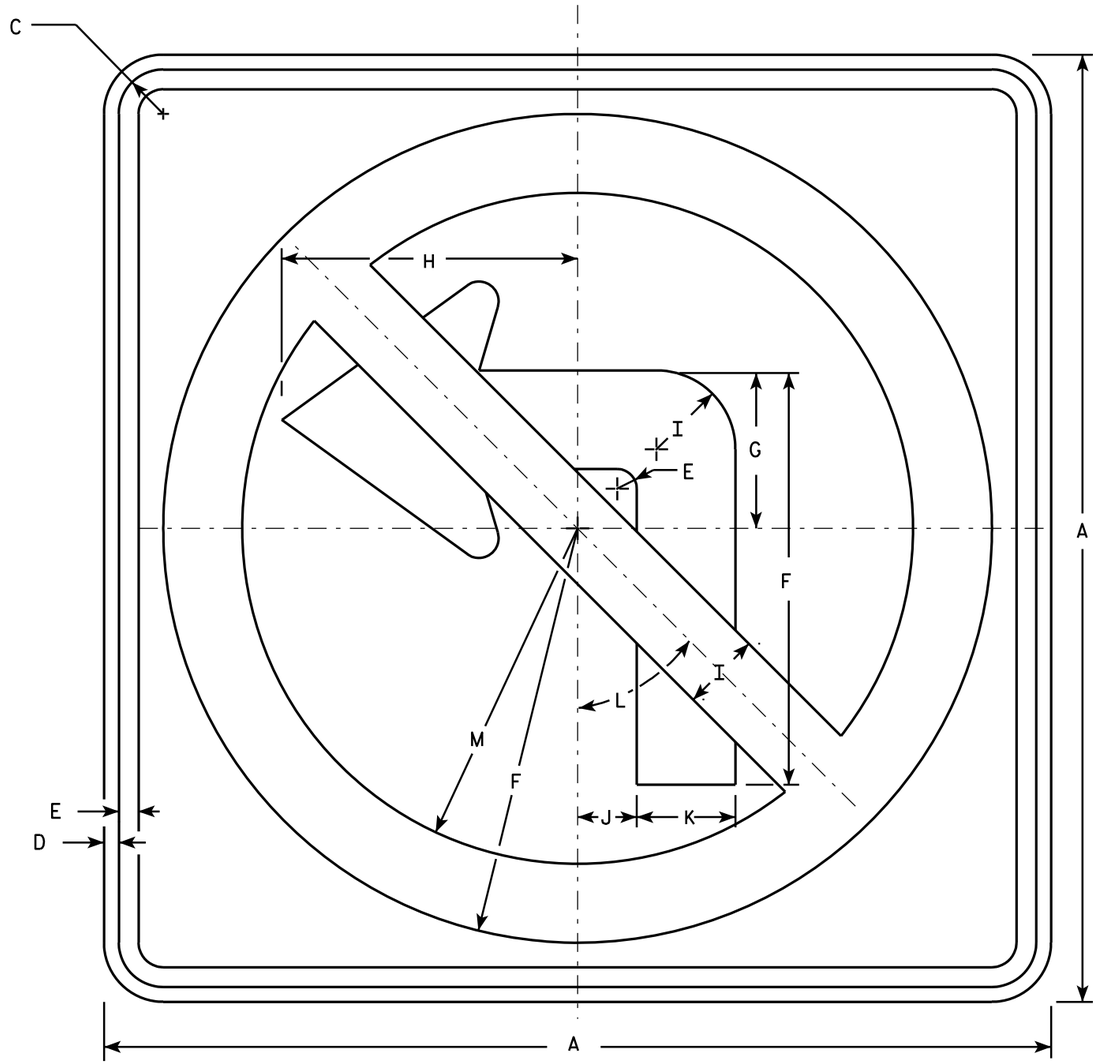
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

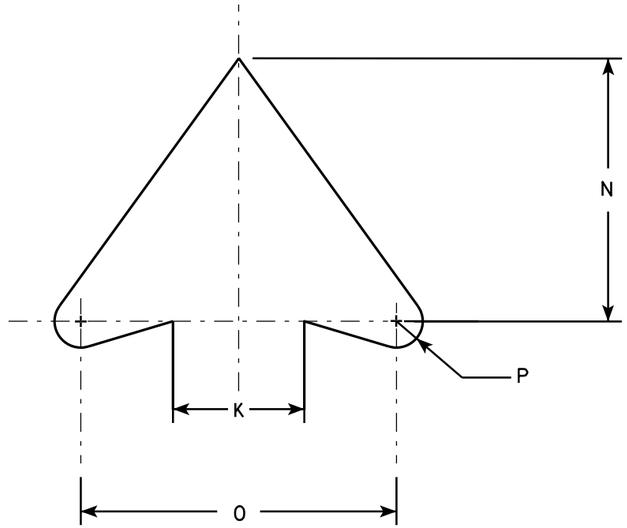
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 529	E



R3-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

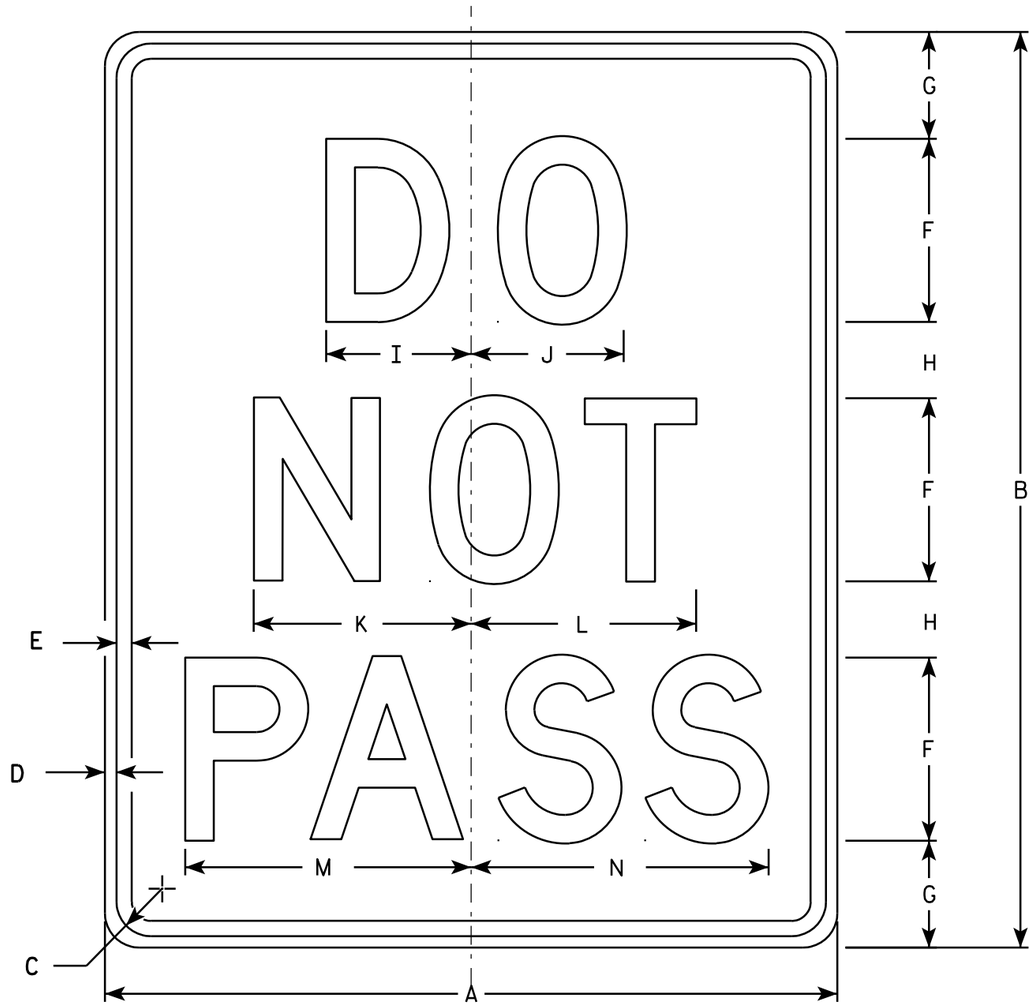
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 530	E



R4-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	4	3 1/2	2 1/2	3 1/8	3 1/4	4 3/4	4 7/8	6 1/4	6 1/2													3.0
2S	24	30	1 1/8	3/8	1/2	6	3 1/2	2 1/2	4 3/4	5	7 1/8	7 3/8	9 3/8	9 3/4													5.0
2M	24	30	1 1/8	3/8	1/2	6	3 1/2	2 1/2	4 3/4	5	7 1/8	7 3/8	9 3/8	9 3/4													5.0
3																											
4	36	48	1 5/8	5/8	3/4	8	7	5	6 1/4	6 5/8	9 1/2	9 3/4	12 1/2	13													12.0
5	48	60	2 1/4	3/4	1	10	8	7	7 3/4	8 3/8	11 7/8	12 1/4	15 5/8	16 1/4													20.0

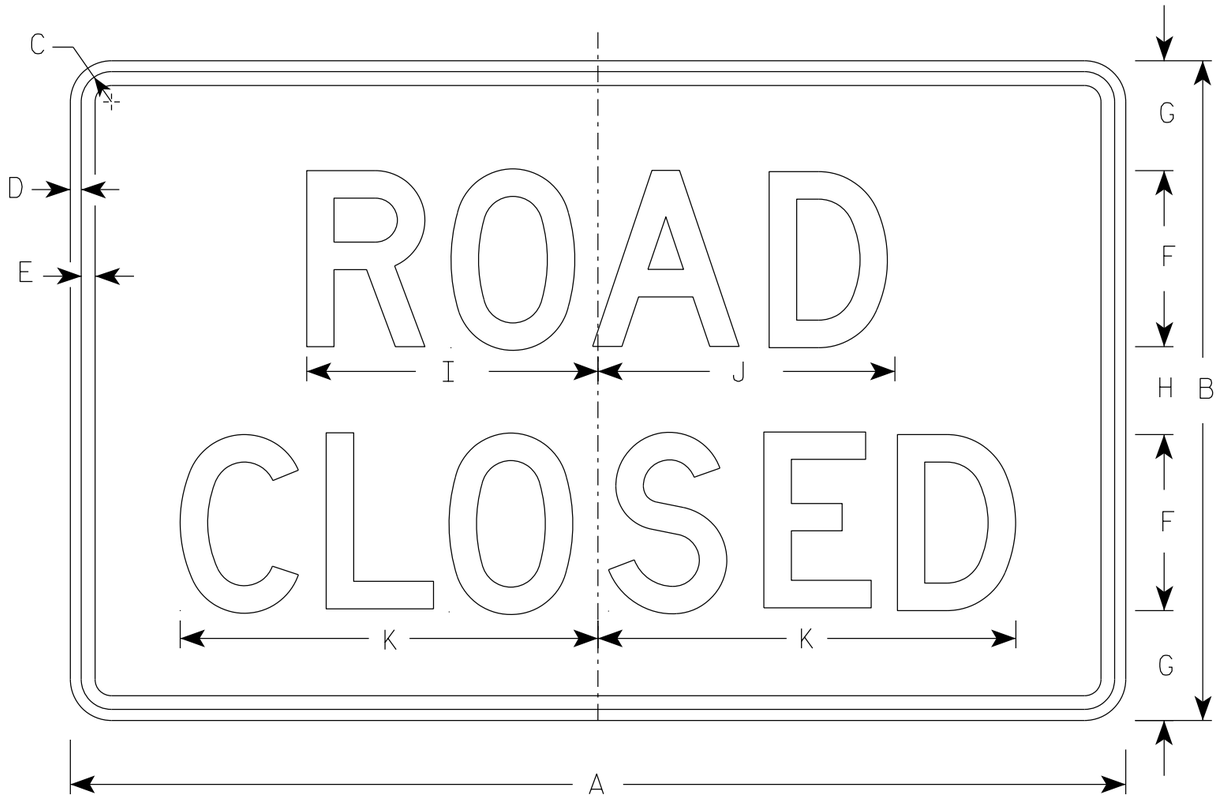
STANDARD SIGN
R4-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-1.7

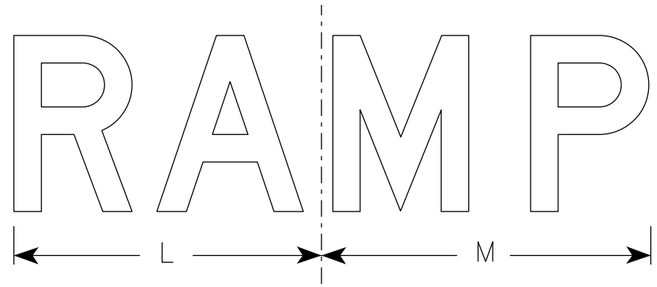
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 531 | E



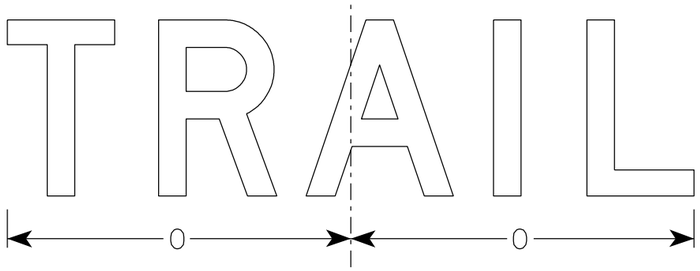
R11-2

NOTES

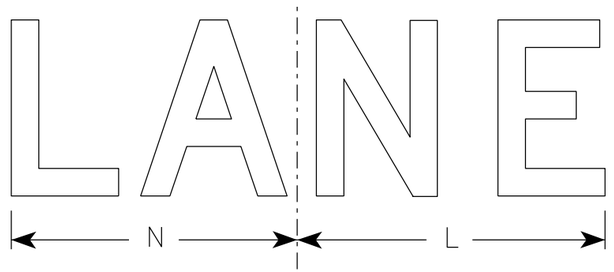
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2T



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0

STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

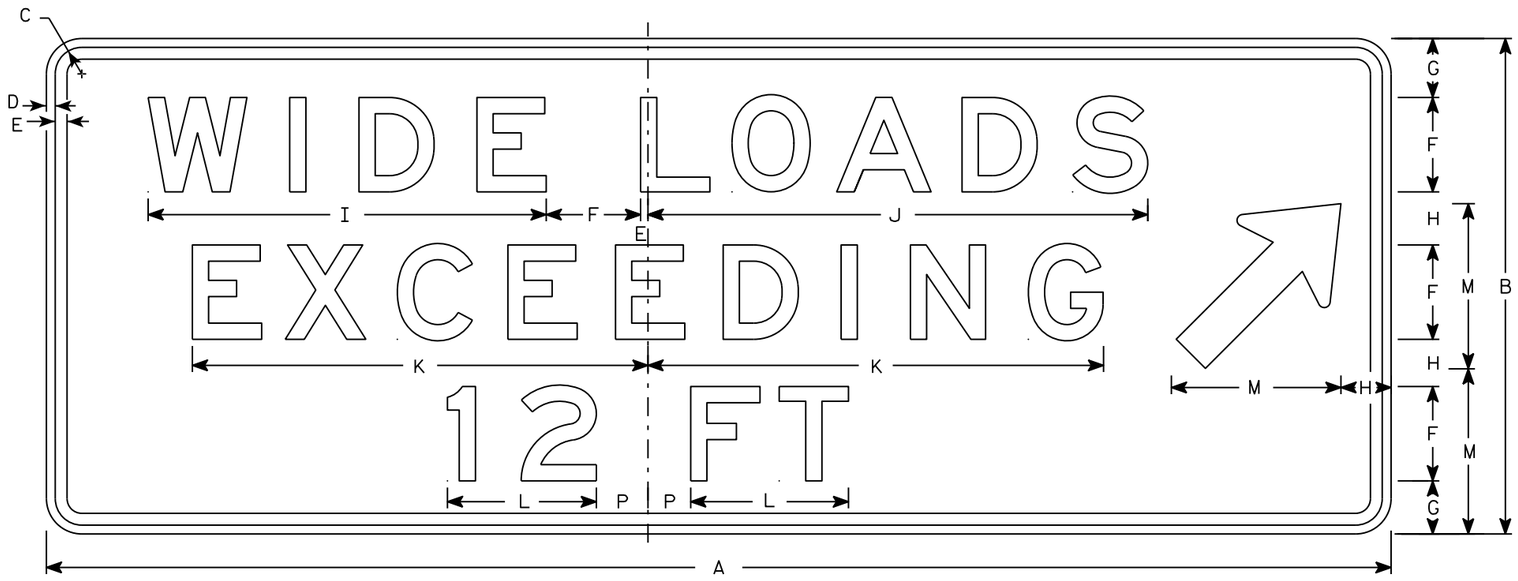
DATE 3/29/2021 PLATE NO. R11-2.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 532	E

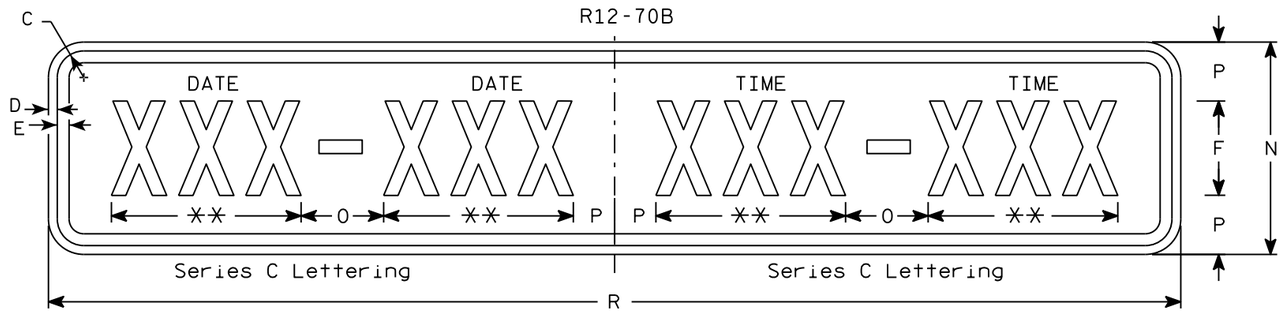
NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E except as noted
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

** Substitute appropriate message, optically center message



R12-70B



R12-70C

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	R12-70 Area sq. ft.	R12-70C Area sq. ft.
1																												
2S	90	36	2 1/4	1/2	5/8	6	4	5	20 7/8	28 3/8	24 5/8	8 1/8	12	12	6	3		66									22.5	5.5
2M	90	36	2 1/4	1/2	5/8	6	4	5	20 7/8	28 3/8	24 5/8	8 1/8	12	12	6	3		66									22.5	5.5
3																												
4	114	42	2 1/4	3/4	1	8	5	4	34	42	39	13	14	18	7	3 1/2		96									36.75	12.0
5	114	42	2 1/4	3/4	1	8	5	4	34	42	39	13	14	18	7	3 1/2		96									36.75	12.0

TYPICAL SIGN
R12-70B

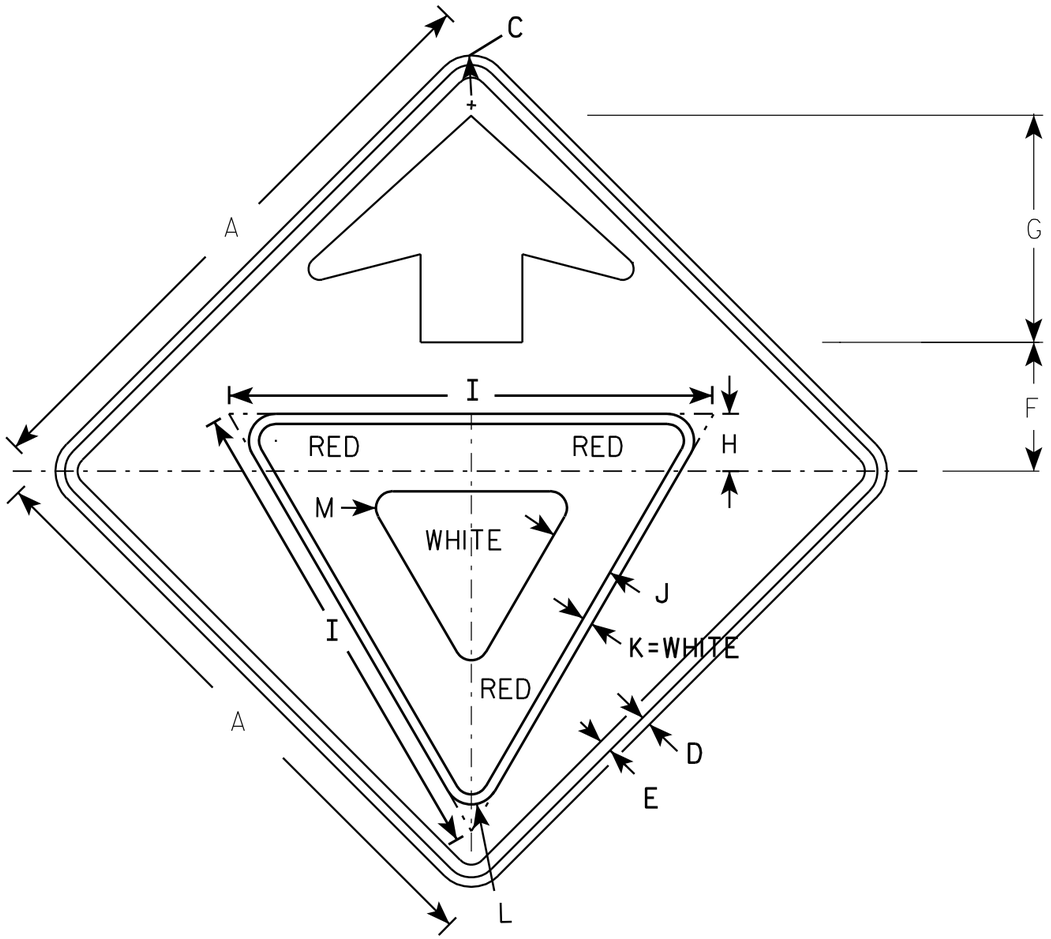
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/15 PLATE NO R12-70B.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

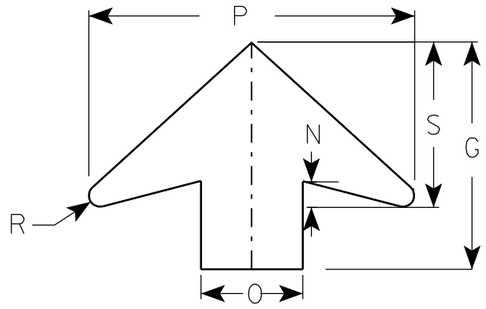
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R1270B.DGN PLOT DATE : 01-DEC-2015 18:10 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 12.842555:1.000000



W3-2

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Arrow & Border - BLACK
   Yield Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	6 1/4	11 1/4	3	25	3 3/8	1/2	1 3/8	7/8	1 1/4	5	16		1/2	8								6.25
2S	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
2M	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
3	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0

STANDARD SIGN
W3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-2..9

PROJECT NO:

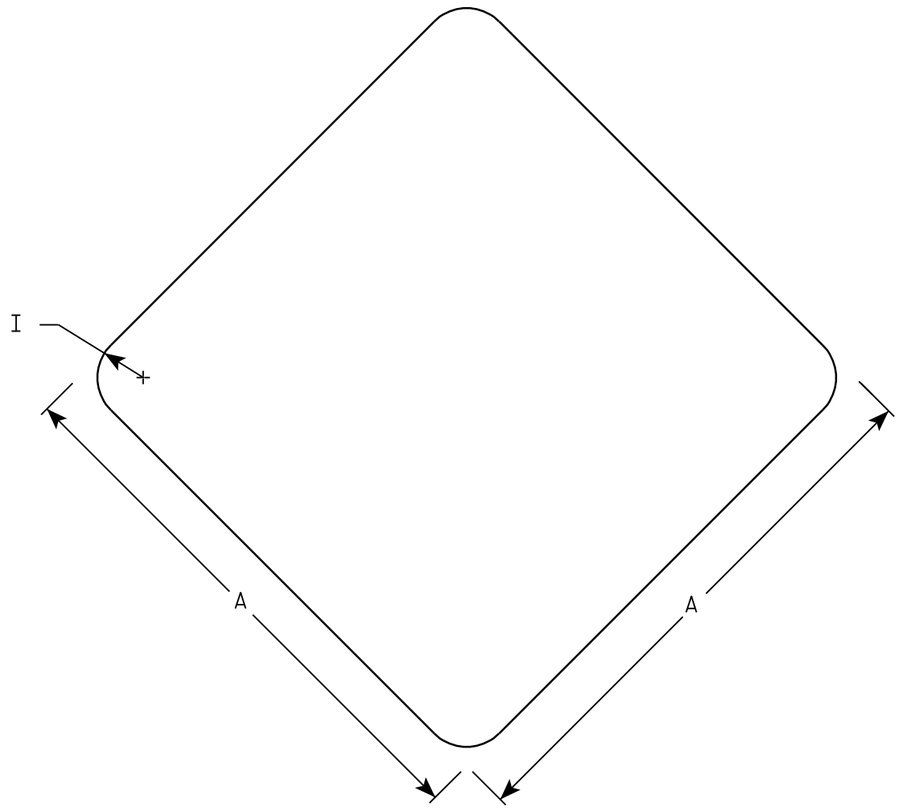
SHEET NO: 534 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W32.DGN PLOT DATE : 07-JUN-2010 13:03 PLOT BY : ditjph

WISDOT/CADDS SHEET 42

7

7



W5-54

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
3. Corners may be square or rounded when base material is plywood. When base material is metal the corners 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	12								1																		1.0
2S	18								1 ½																		2.25
2M	18								1 ½																		2.25
3																											
4																											
5																											

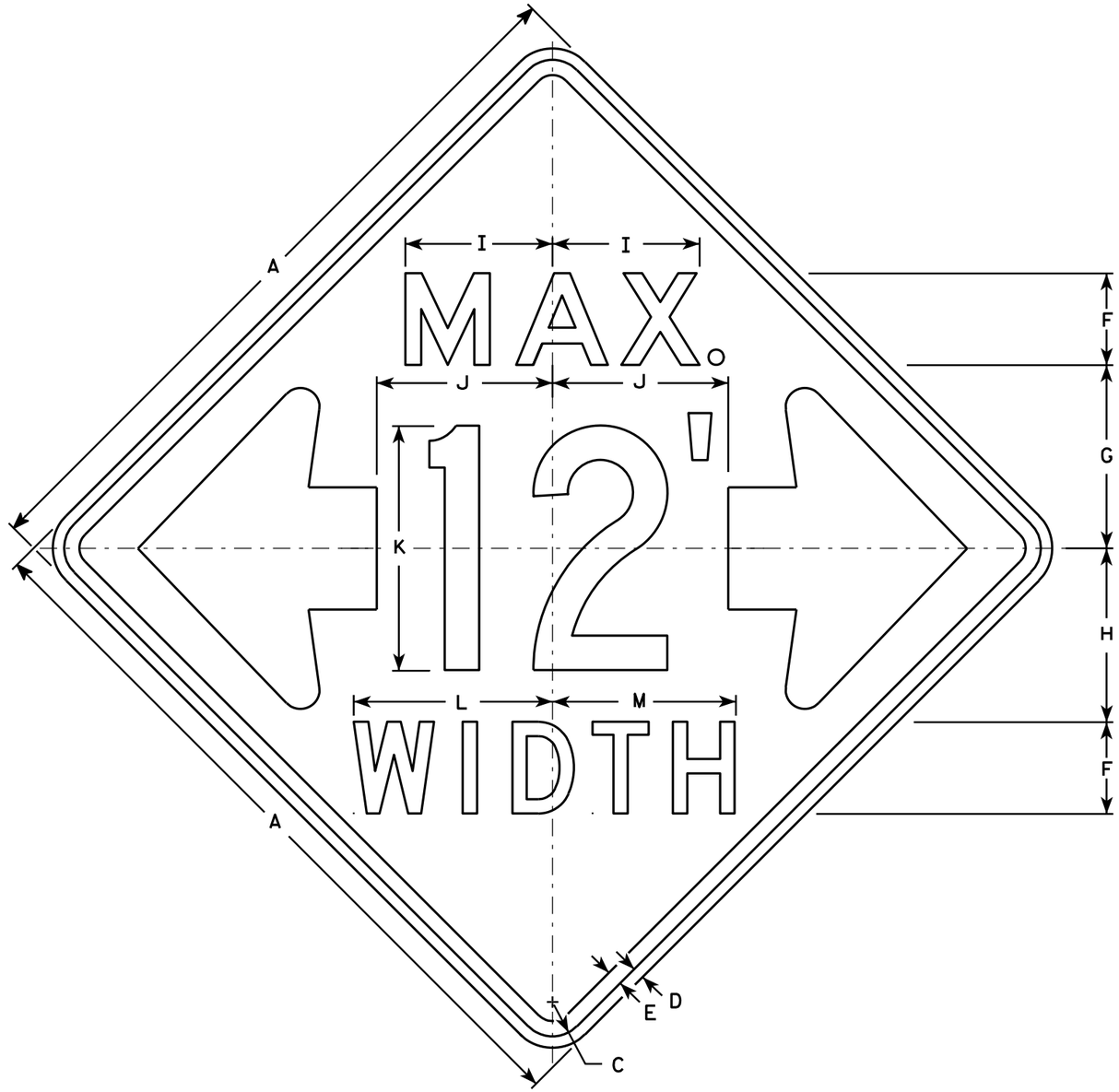
STANDARD SIGN
W5-54

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/3/10 PLATE NO. W5-54.8

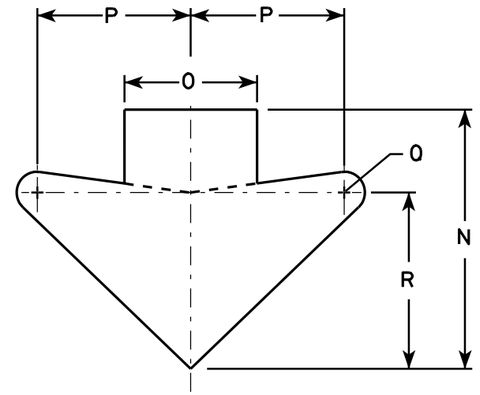
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 535	E



W12-52

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The top line is series E, the numerals are series C, and the bottom line is series D.
6. Substitute appropriate numerals and adjust spacing as required.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48		2 1/4	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8									16.0
2M	48		2 1/4	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8									16.0
3																											
4																											
5																											

STANDARD SIGN
W12-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

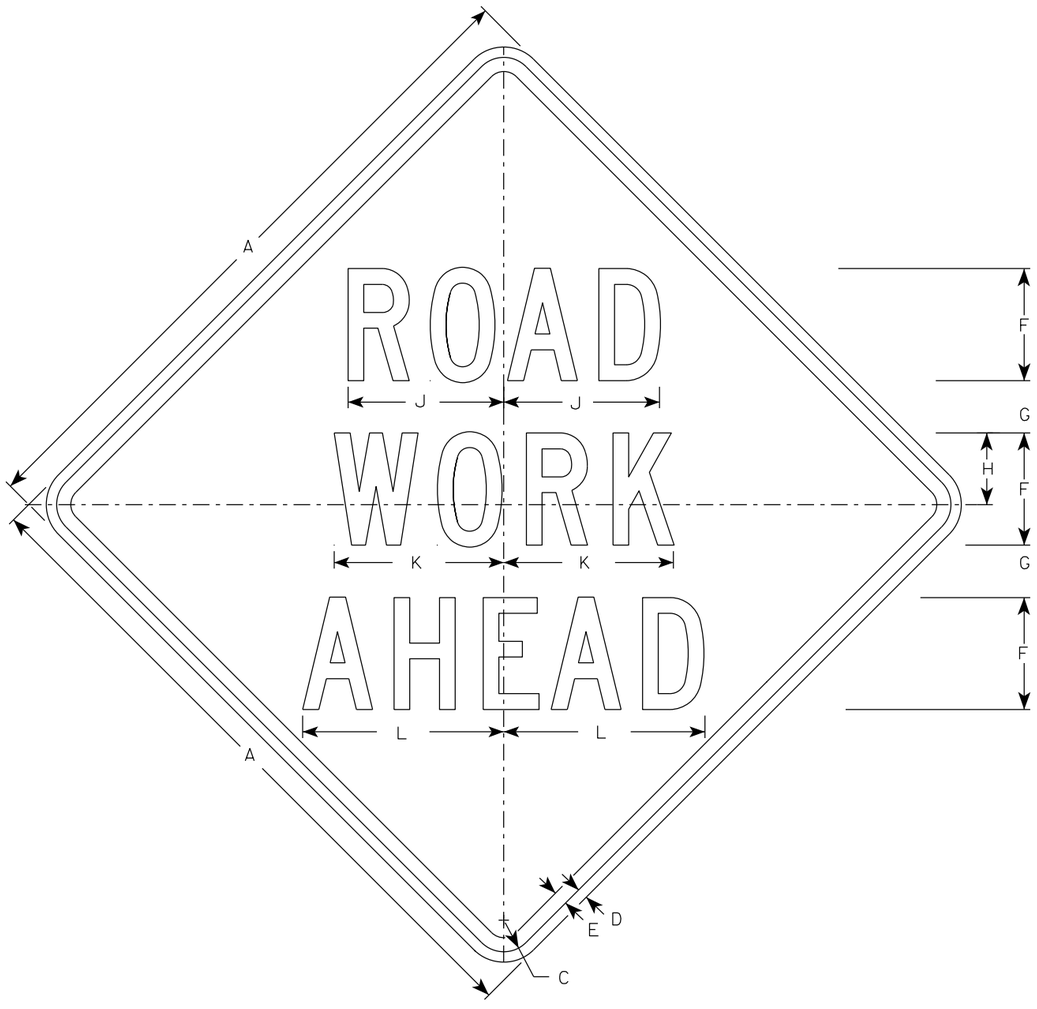
DATE 3/16/11 PLATE NO. W12-52.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 536 | E

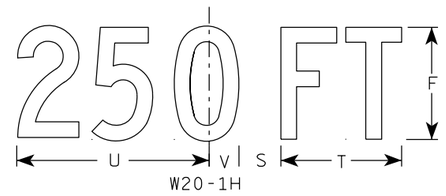
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W1252.DGN PLOT DATE : 16-MAR-2011 14:45 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.137199:1.000000
WISDOT/CADDS SHEET 42

NOTES

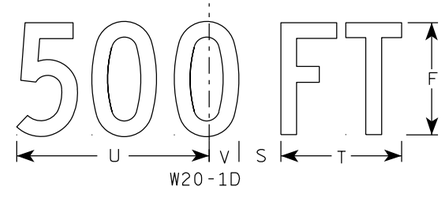
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1A



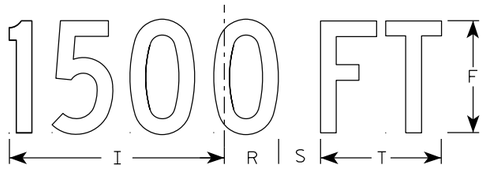
W20-1H



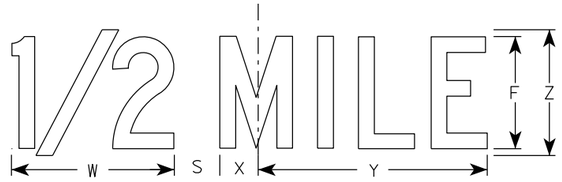
W20-1D



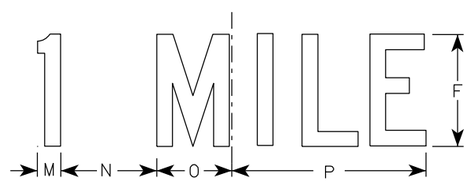
W20-1C



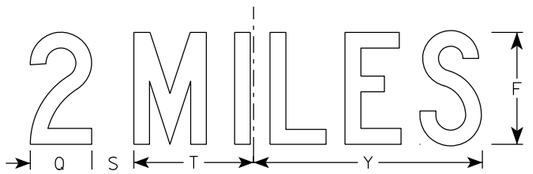
W20-1B



W20-1G



W20-1F



W20-1E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, E, F, G & H

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2020 PLATE NO. W20-1.11

PROJECT NO:

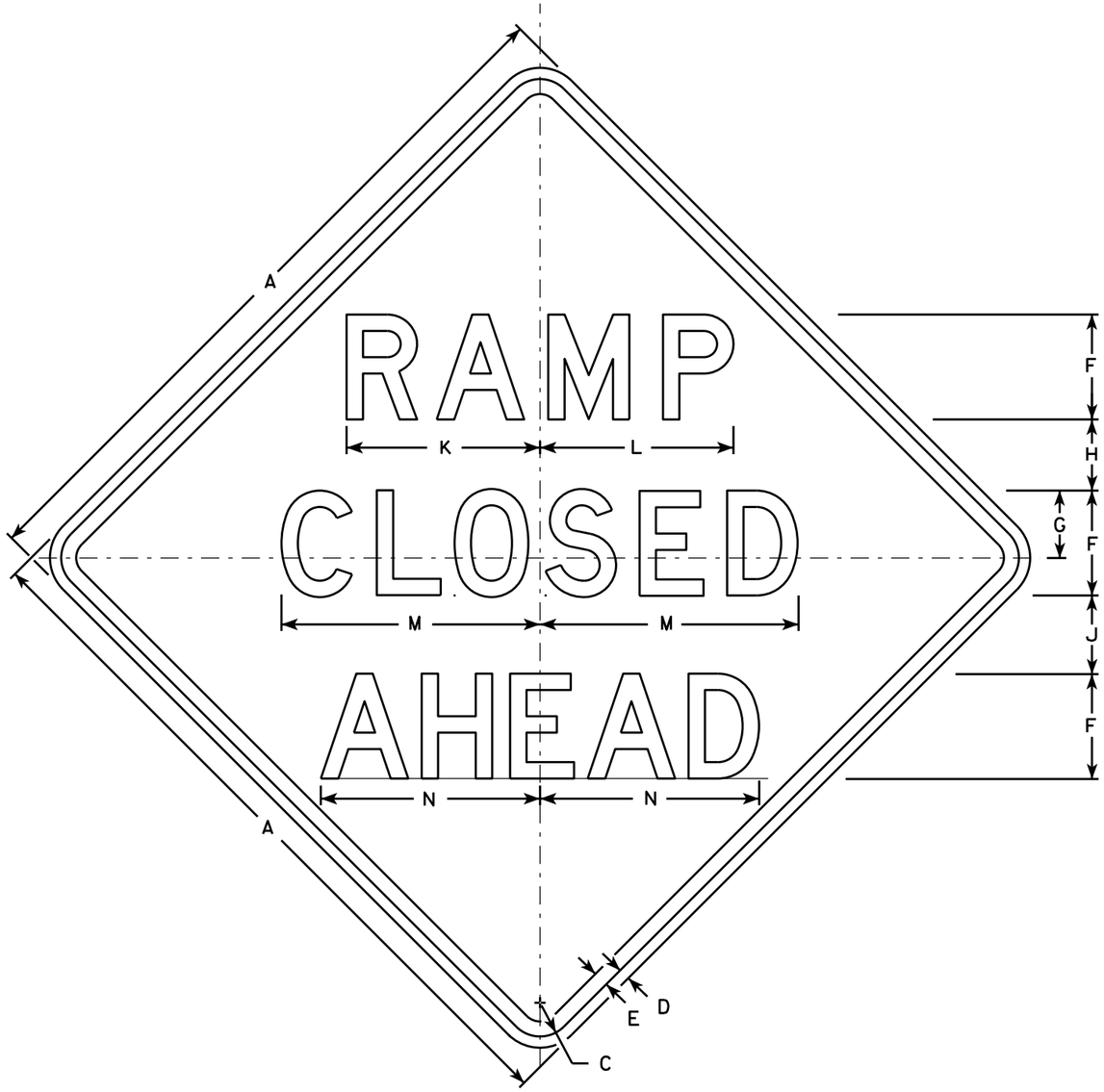
SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 25-MARCH-2020 PLOT BY : dotc4c

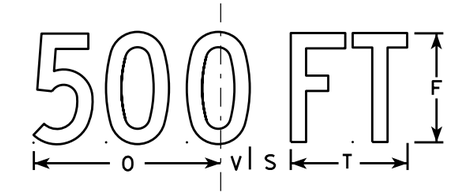
WISDOT/CADDS SHEET 42

7

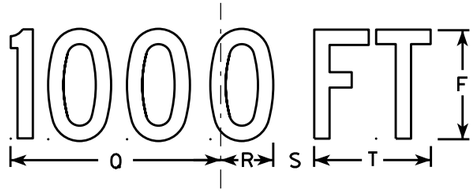
7



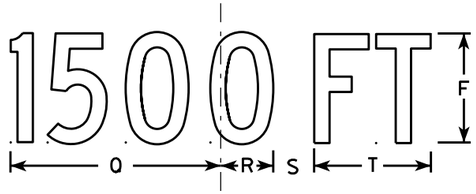
W20-53A



W20-53D



W20-53C



W20-53B



W20-53G



W20-53F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	9 1/4	9 1/4	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 7/8	12 7/8	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 7/8	12 7/8	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 7/8	12 7/8	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 7/8	12 7/8	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 7/8	12 7/8	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-53A,B,C,D,F,G

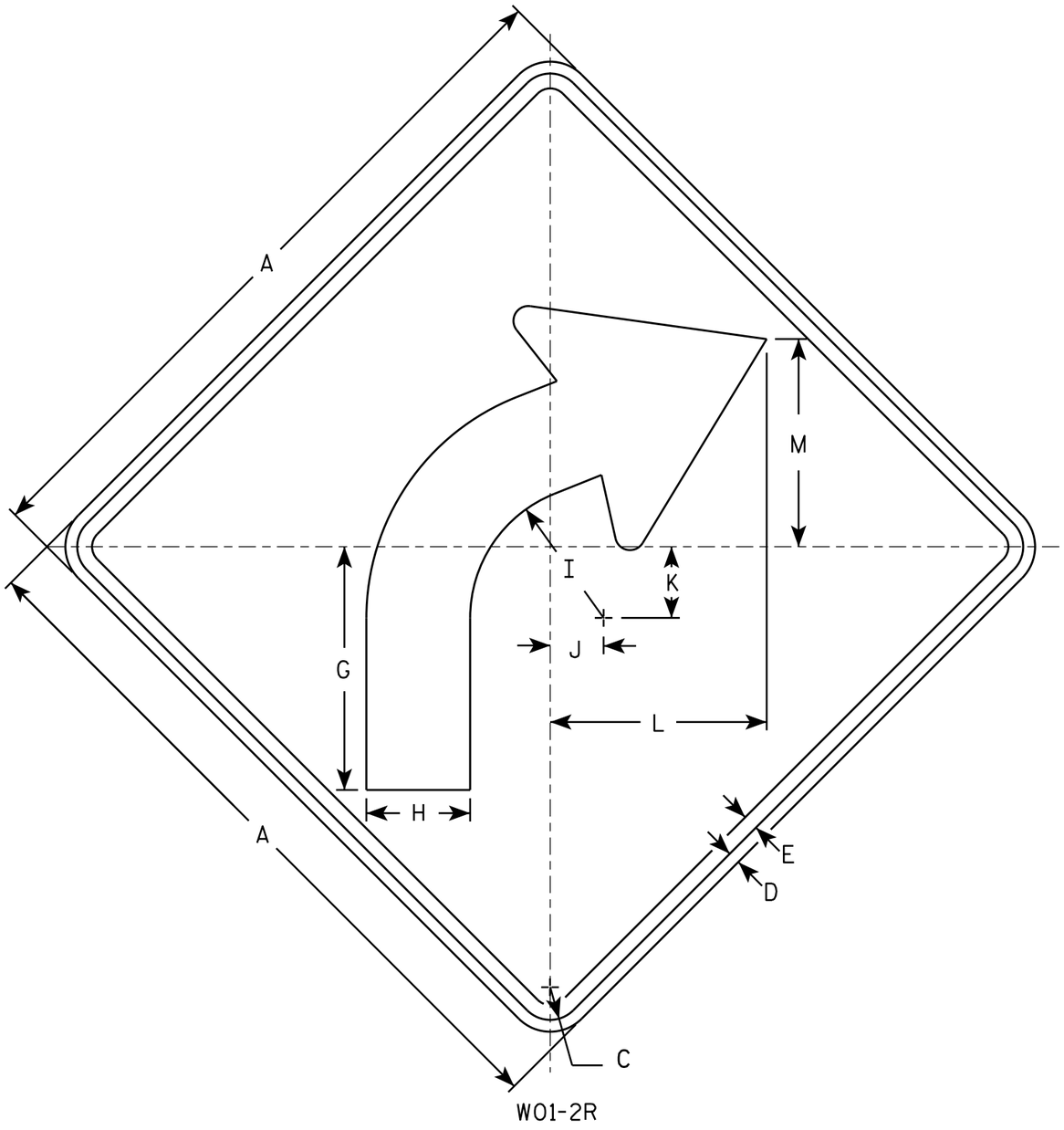
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/27/15 PLATE NO. W20-53.1

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

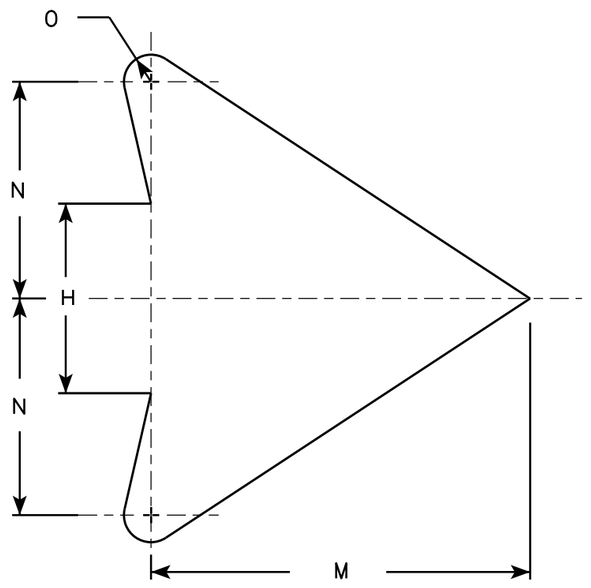
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W2053.DGN PLOT DATE : 27-MAY-2015 19:40 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.729210:1.000000
WISDOT/CADDS SHEET 42



W01-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-2L is the same as W01-2R except the arrow is reversed along the vertical centerline.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												4.0
2S	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
2M	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
3	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
4	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
5	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0

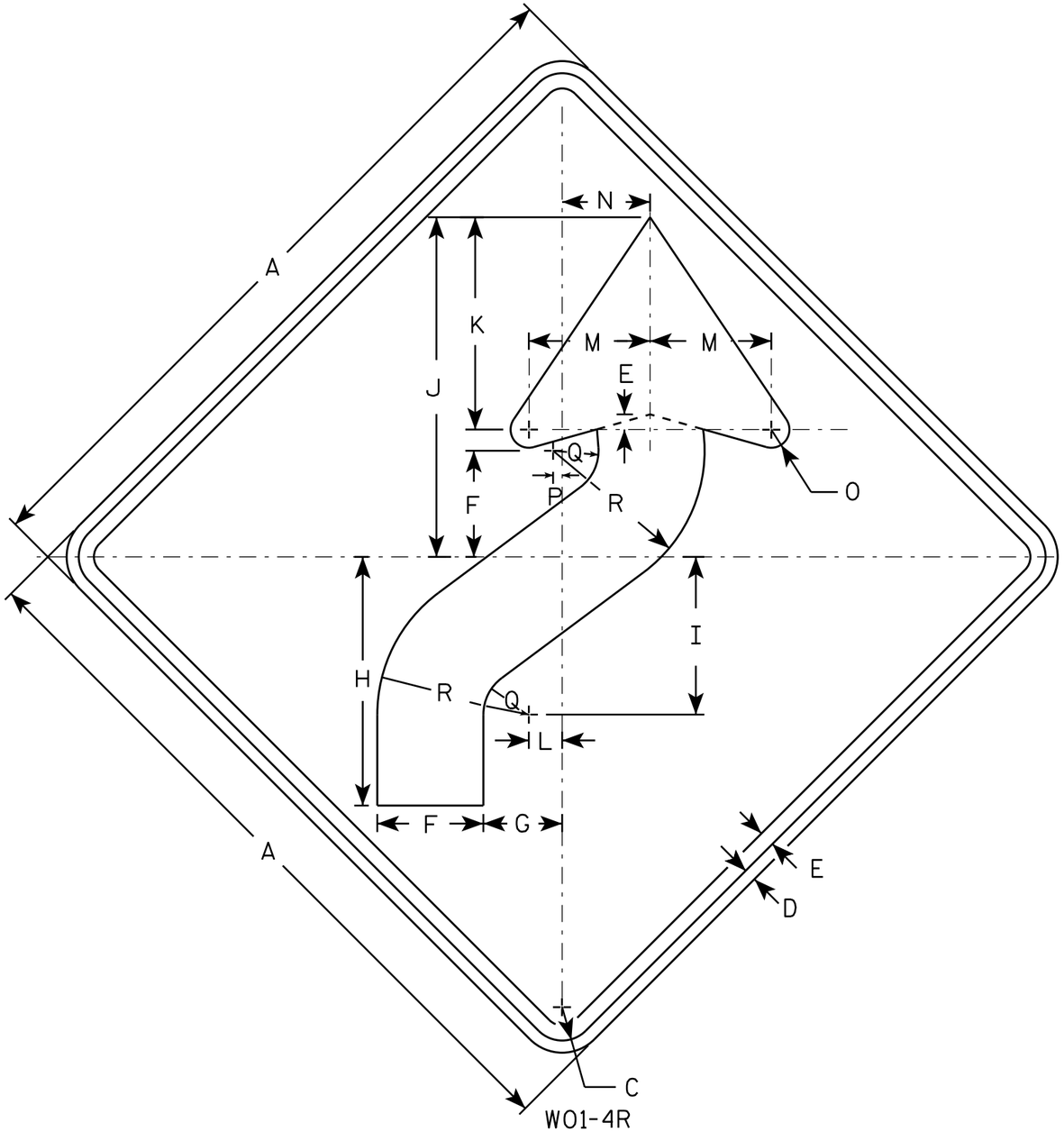
STANDARD SIGN
W01-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO W01-1.1

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



W01-4R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-4L is the same as W01-4R except the arrow is reversed along the vertical centerline.

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

STANDARD SIGN
W01-4

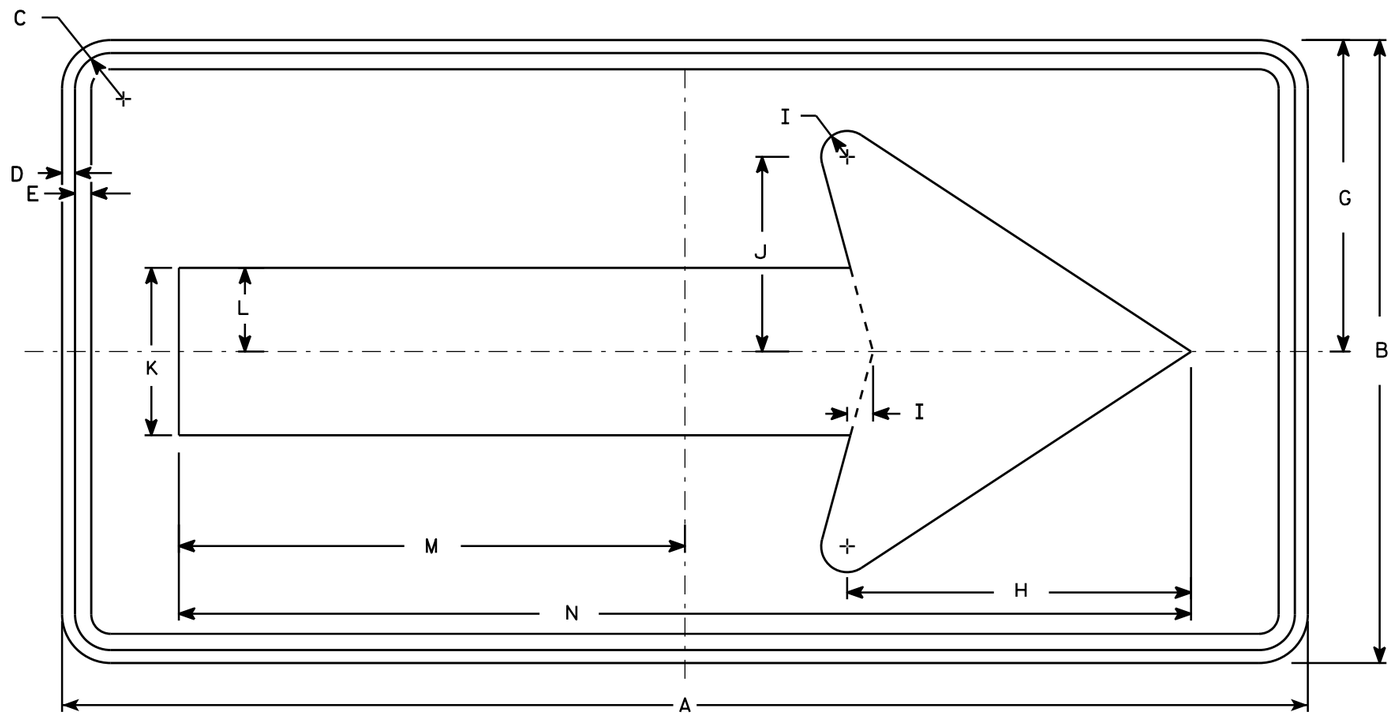
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO W01-4.1

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W014.DGN PLOT DATE : 28-FEB-2014 11:35 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.755110:1.000000
WISDOT/CADDS SHEET 42



W01-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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 3/8	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 3/8	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 3/8	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 3/8	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 3/8	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
W01-6

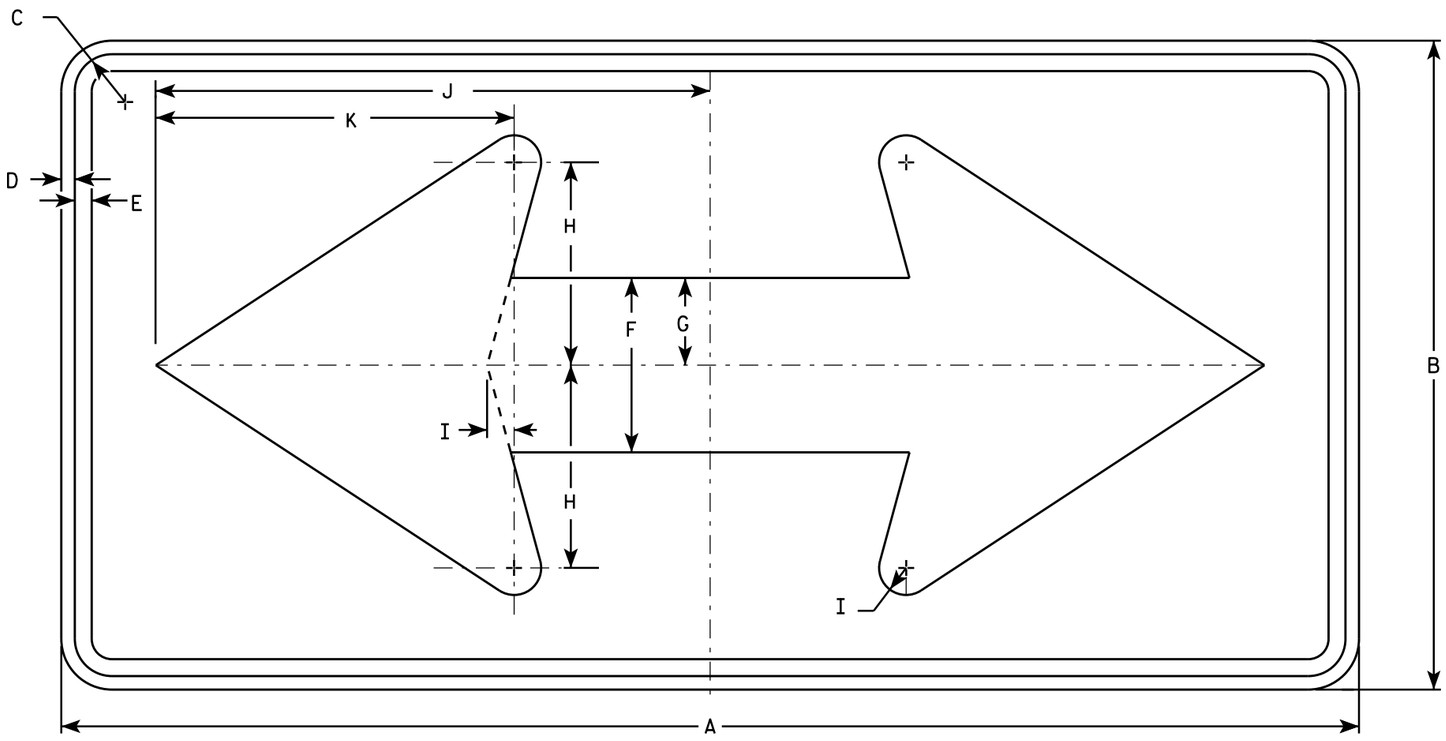
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-6.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42



W01-7

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5

STANDARD SIGN
W01-7

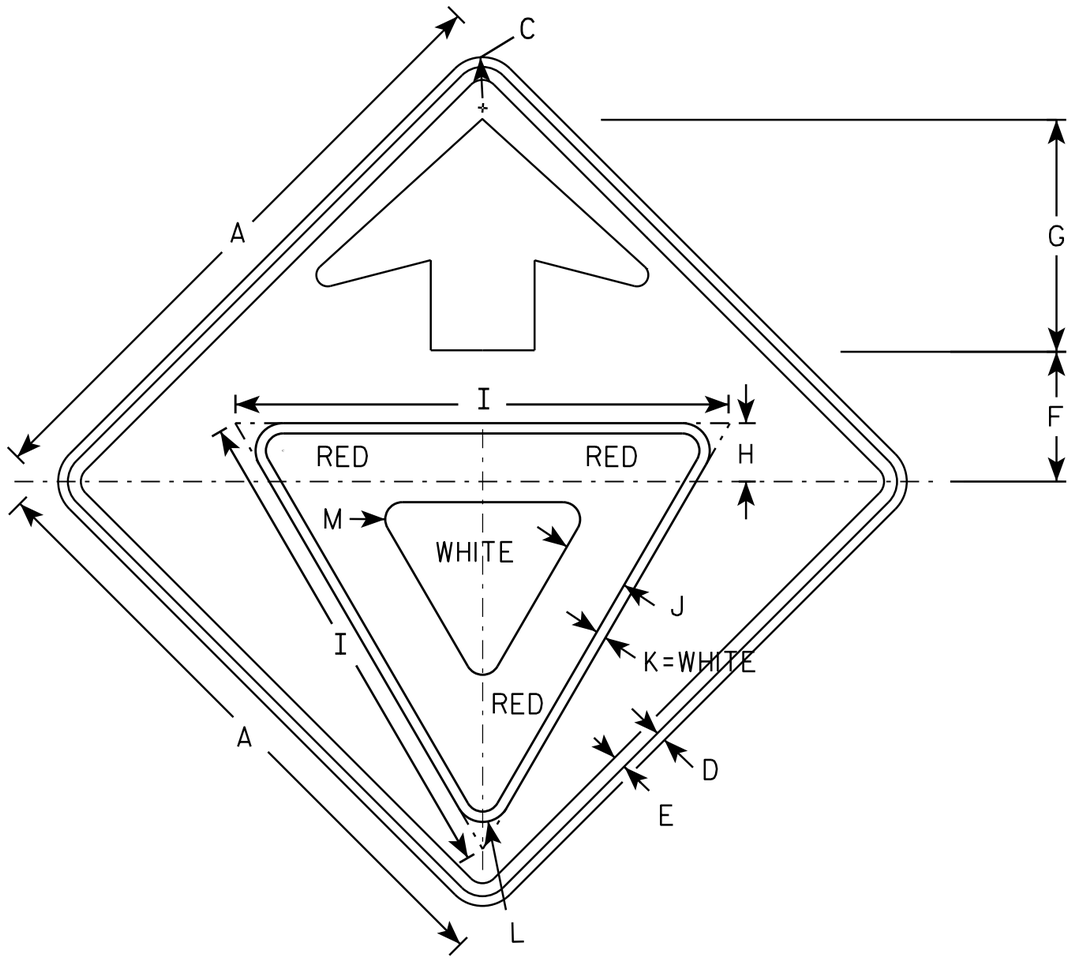
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE 1542 W01-7.1

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

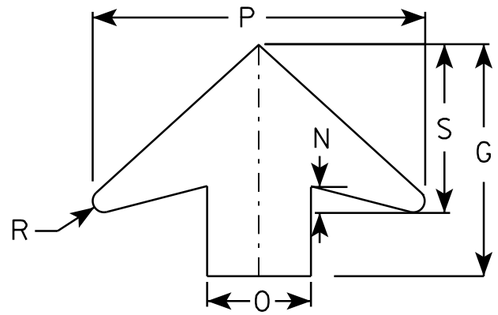
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W017.DGN PLOT DATE : 20-NOV-2013 10:35 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.604022:1.000000
WISDOT/CADDS SHEET 42



W03-2

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - ORANGE
   Arrow & Border - BLACK
   Yield Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
2S	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
2M	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
3	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0

STANDARD SIGN
W03-2

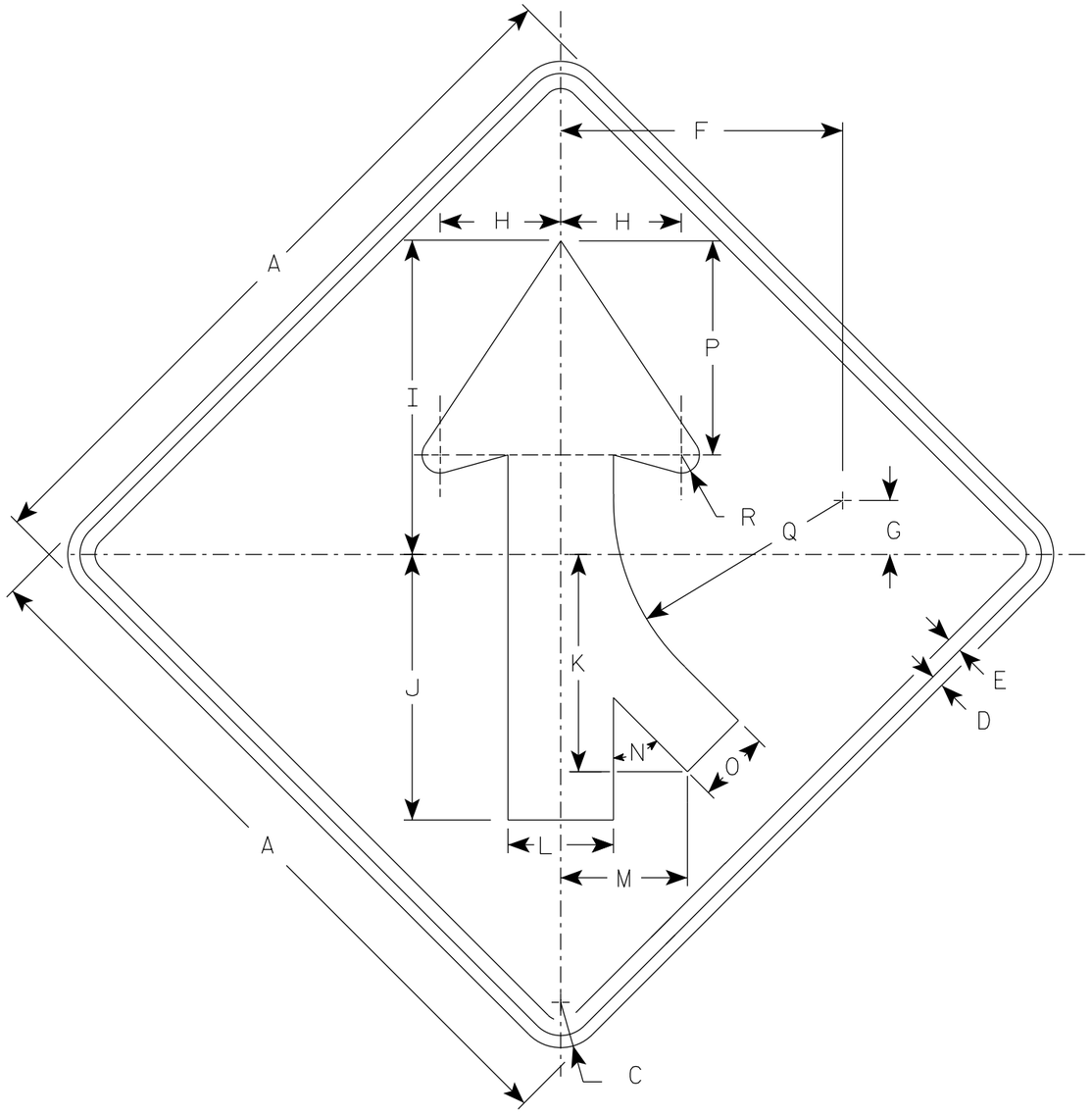
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE W03-2.1

PROJECT NO:

SHEET NO: E



W04-1R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-1L is the same as W04-1R 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		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
2S	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
2M	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
3	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
4	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
5	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0

STANDARD SIGN
W04-1

WISCONSIN DEPT OF TRANSPORTATION

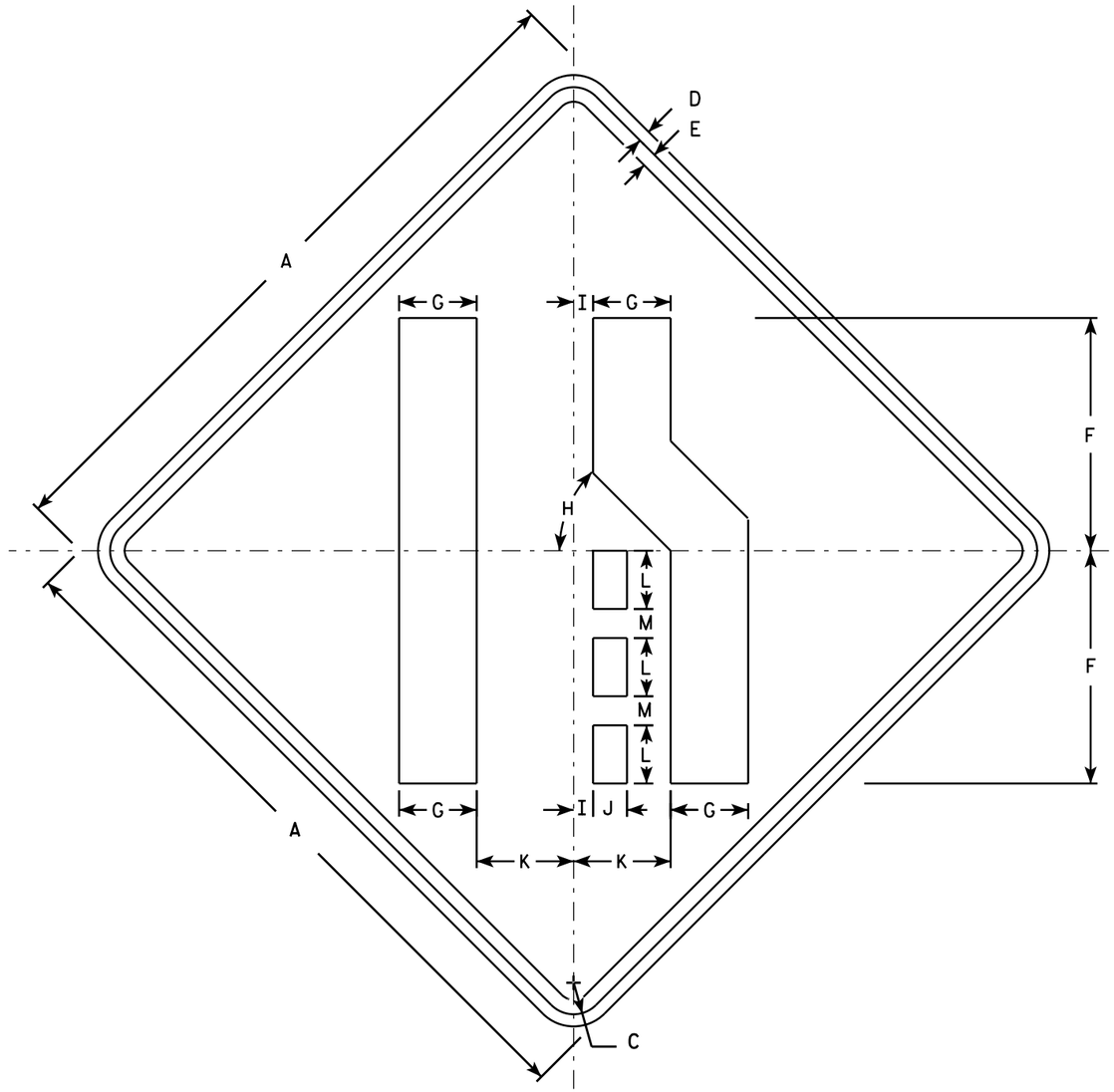
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2021 PLATE NO. W04-1.2

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

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W041.dgn PLOT DATE : 30-MAR 2021 8:25 PLOT BY : dotc4c PLOT NAME : PLOT SCALE :
WISDOT/CADDS SHEET 42

7



W04-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-2L is the same as W04-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

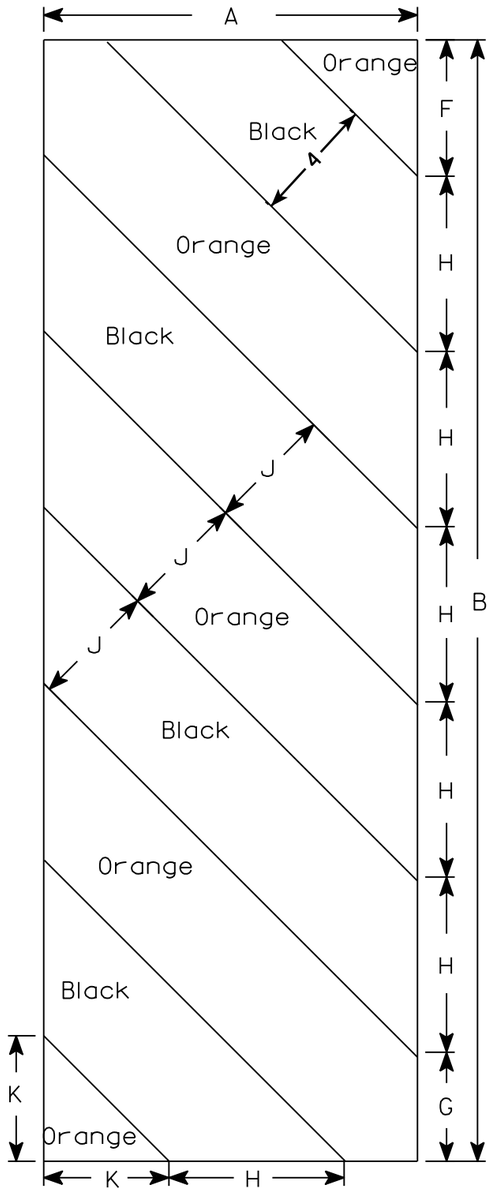
STANDARD SIGN
W04-2

WISCONSIN DEPT OF TRANSPORTATION

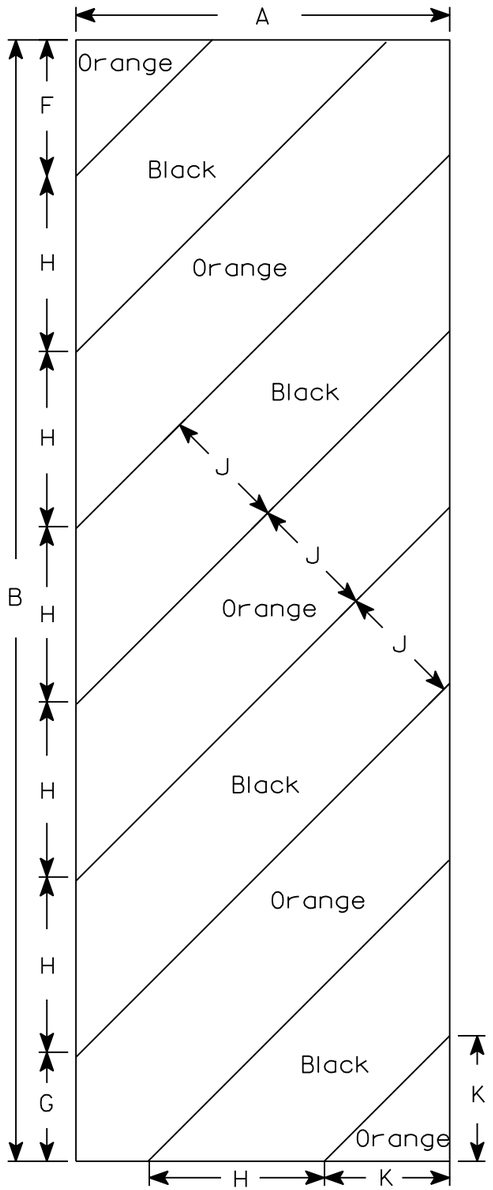
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 545 W04-2.1

PROJECT NO: | SHEET NO: E



W05-52L



W05-52R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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. Alternate colors of stripes as shown.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54				6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

STANDARD SIGN

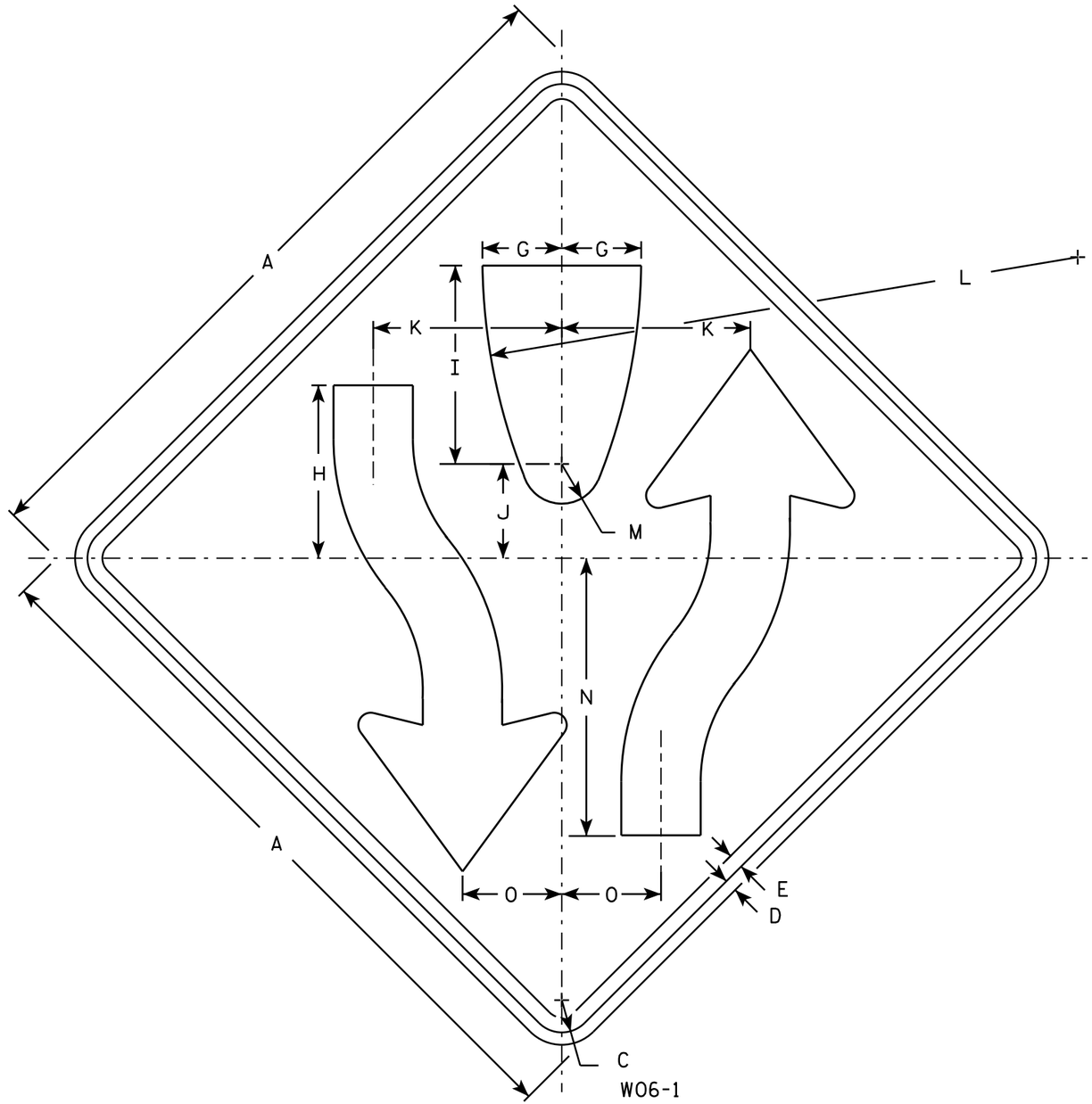
W05-52L & W05-52R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE W05-52.1

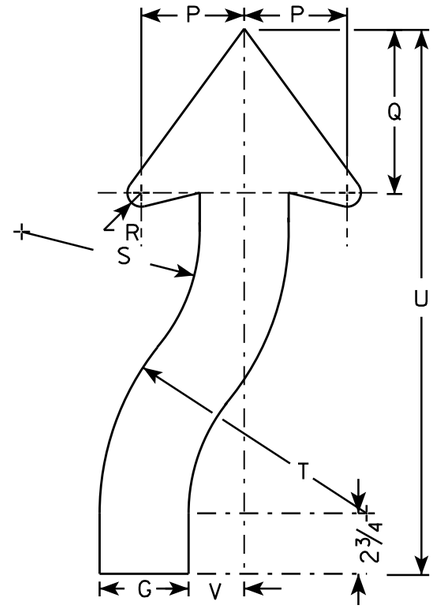
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W06-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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. W06-2 same as W06-1 but is rotated 180° when mounted.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	7/8	8	12	24 1/2	2 1/2					9.0
2S	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
2M	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
3	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
4	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
5	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0

STANDARD SIGN
W06-1 & W06-2

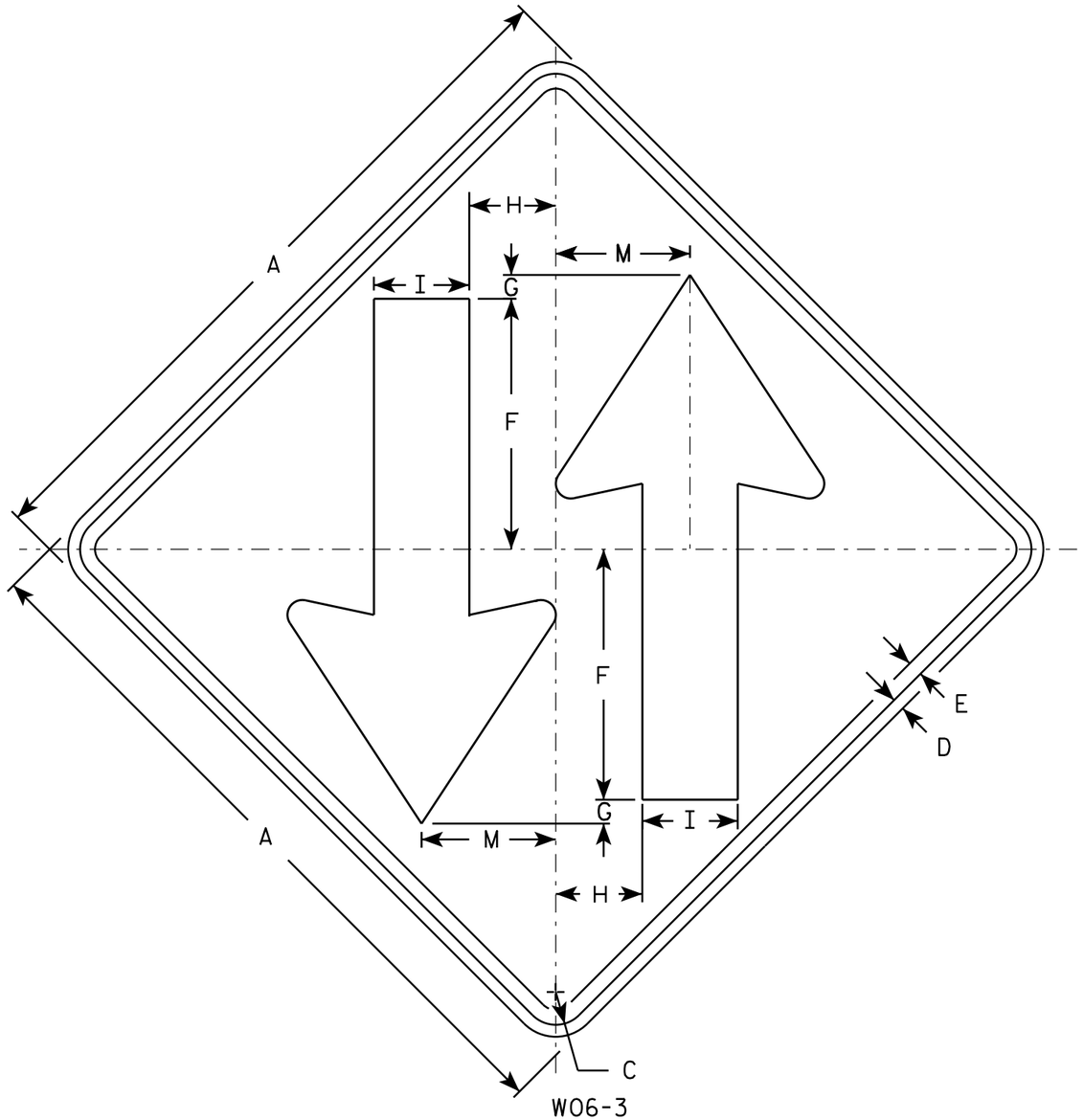
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE NO W06-1.1

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

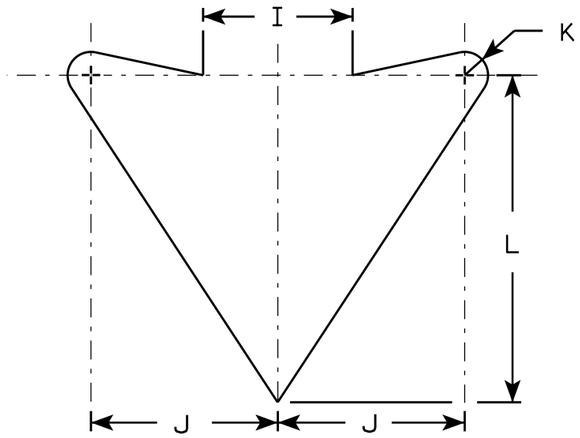
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W061.DGN PLOT DATE : 20-NOV-2013 12:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.810449:1.000000
WISDOT/CADDS SHEET 42



W06-3

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	12	1	4 1/4	5	6	3/4	10 1/2	6 3/4														9.0
2S	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
2M	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
3	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
4	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
5	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0

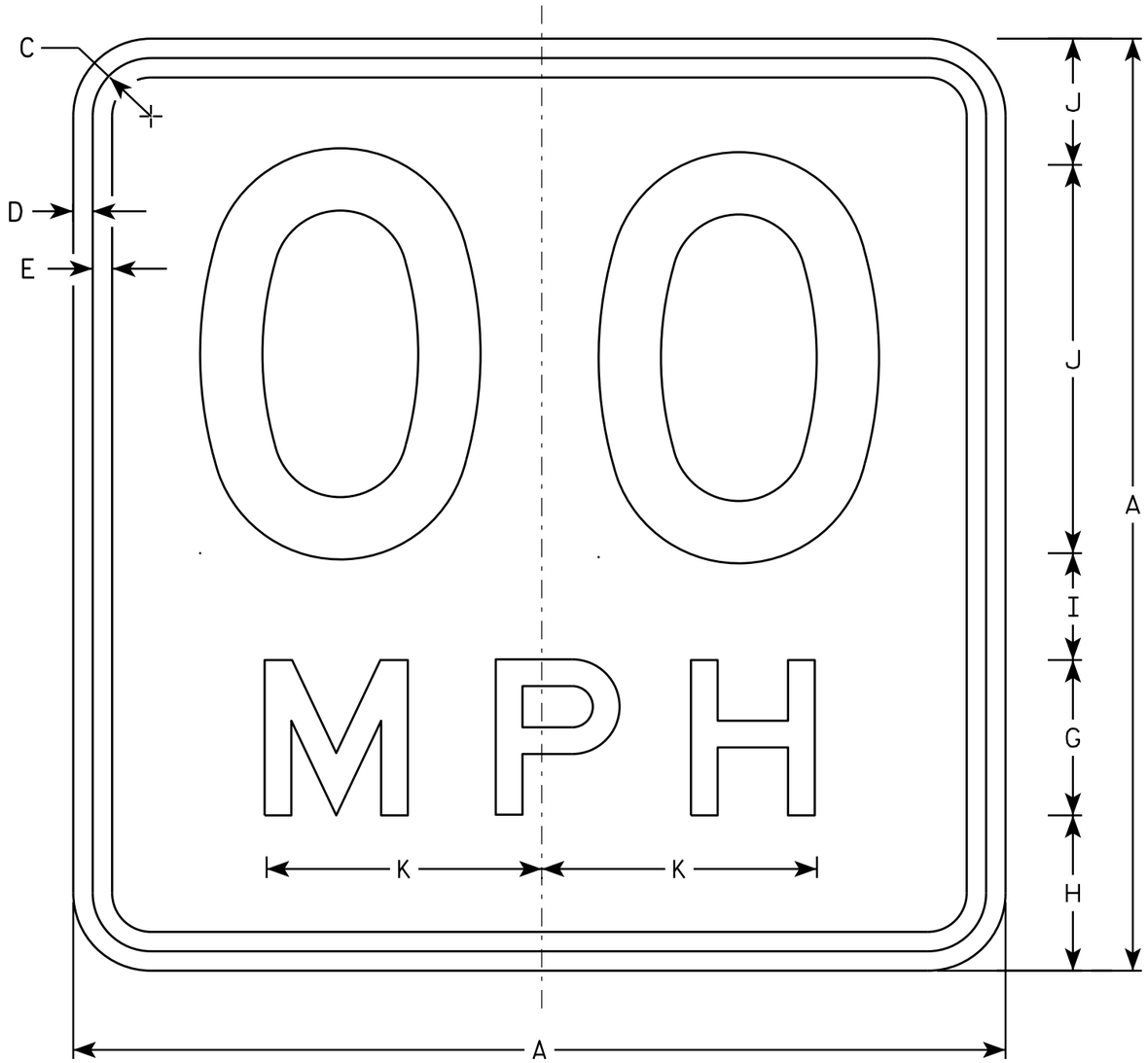
STANDARD SIGN
W06-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 548 W06-3.1

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



W013-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is Series E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	7 1/8																4.00
2S	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
2M	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
3	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

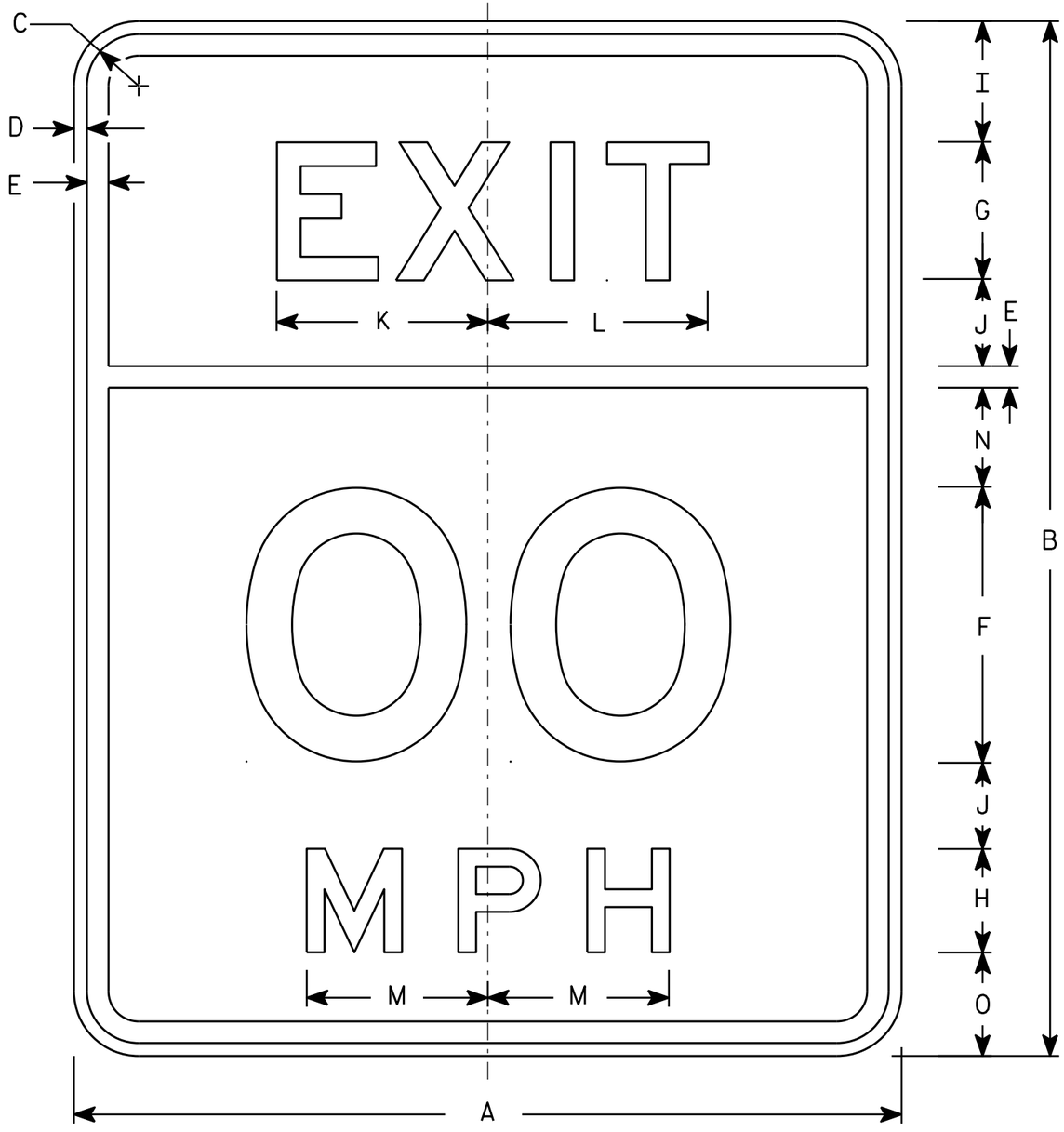
STANDARD SIGN
W013-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/21/13 PLATE 549 W013-1.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W013-2

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	30	1 1/2	3/8	5/8	8	4	3	3 1/2	2 1/2	6 1/8	6 3/8	5 1/4	2 7/8	3												5.0
2M	24	30	1 1/2	3/8	5/8	8	4	3	3 1/2	2 1/2	6 1/8	6 3/8	5 1/4	2 7/8	3												5.0
3	36	48	2 1/4	5/8	7/8	12	6	4	6	4	9 1/4	9 1/2	7 1/8	5 1/8	6												12.0
4	36	48	2 1/4	5/8	7/8	12	6	4	6	4	9 1/4	9 1/2	7 1/8	5 1/8	6												12.0
5	48	60	2 1/4	3/4	1	16	8	6	7	5	12 1/4	12 3/4	10 5/8	5 3/4	6												20.0

STANDARD SIGN
W013-2

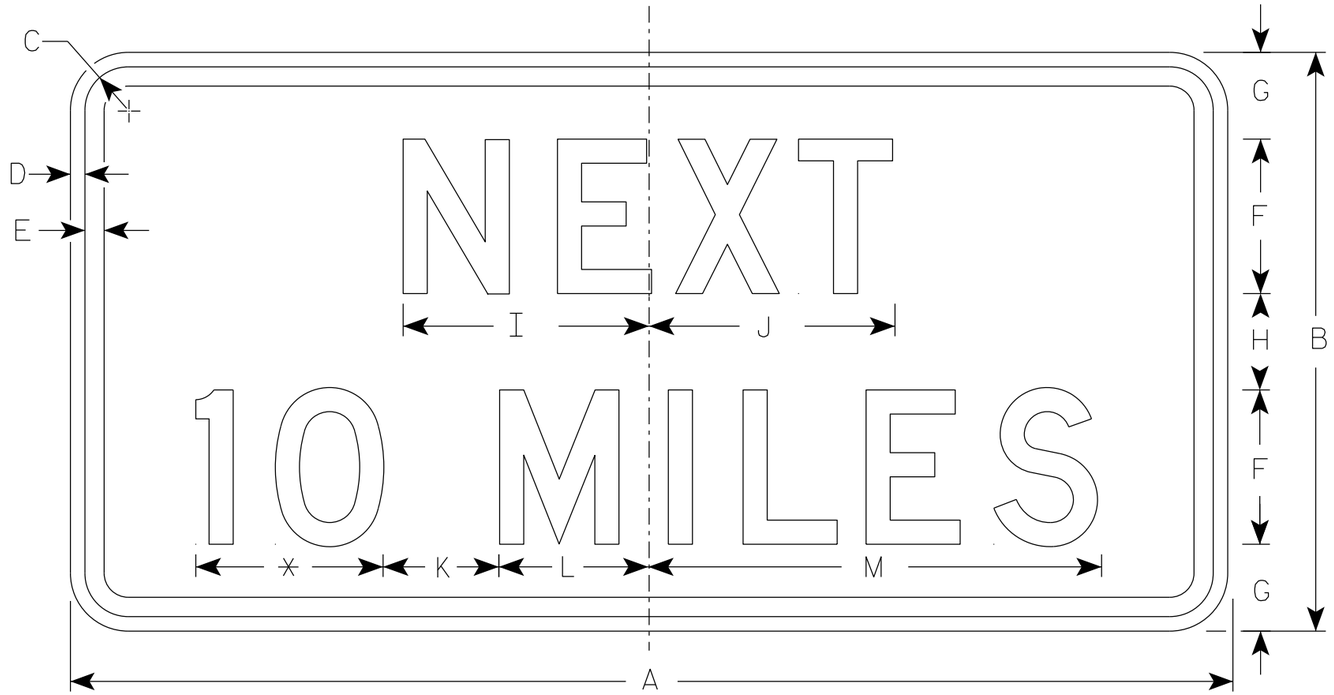
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/10/14 PLATE W013-2.1

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

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W0132.DGN PLOT DATE : 10-MAR-2014 13:35 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 4.086268:1.000000
WISDOT/CADDS SHEET 42



W057-51

* See note 5

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Round distance to the nearest whole Mile and substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/8	3/8	1/2	5	2 3/4	2 1/2	7 7/8	8	5	4 1/8	15 3/8														4.5
2S	48	24	1 3/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0
2M	48	24	1 3/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0
3	48	24	1 3/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0
4	48	24	1 3/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0
5	48	24	1 3/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0

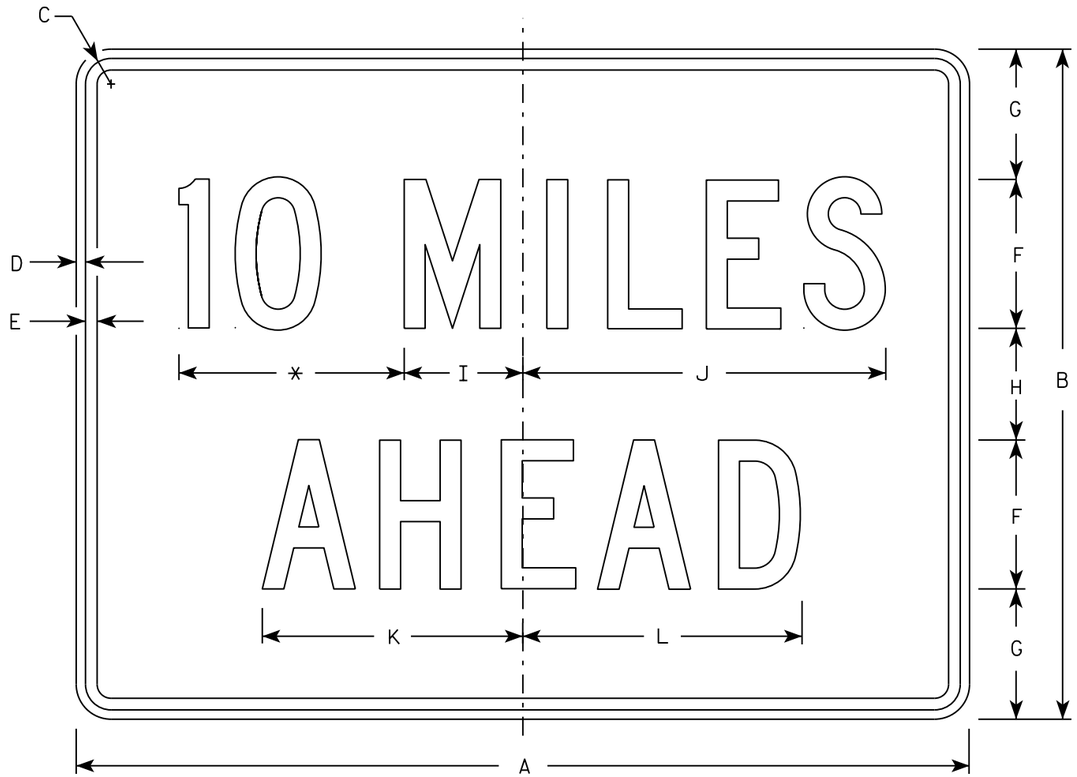
STANDARD SIGN
W057-51

WISCONSIN DEPT OF TRANSPORTATION

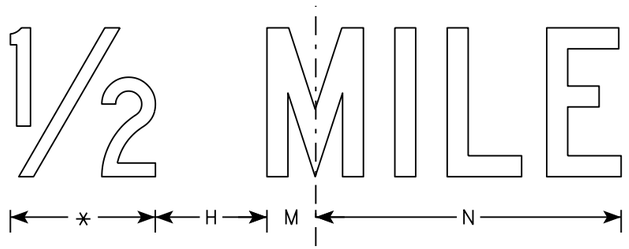
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/1/19 PLATE NO. W057-51.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 551	E



W057-52



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to the nearest quarter mile and optically adjust spacing to achieve proper balance.

* See note 5

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	24	1 1/8	3/8	1/2	6	4 1/2	3	4 3/4	14 5/8	10 5/8	11 3/8	2	12													6.0
2S	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
2M	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
3	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
4	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
5	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0

STANDARD SIGN
W057-52

WISCONSIN DEPT OF TRANSPORTATION

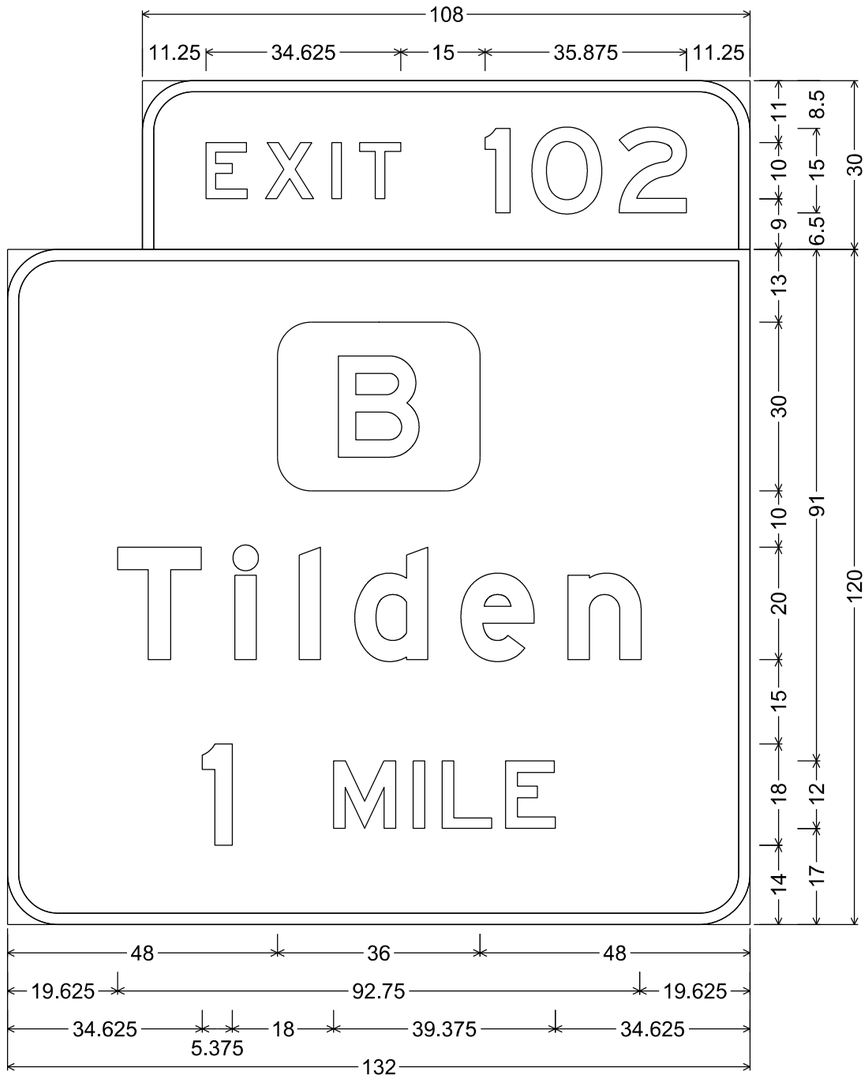
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/17 PLATE NO. W057-52.2

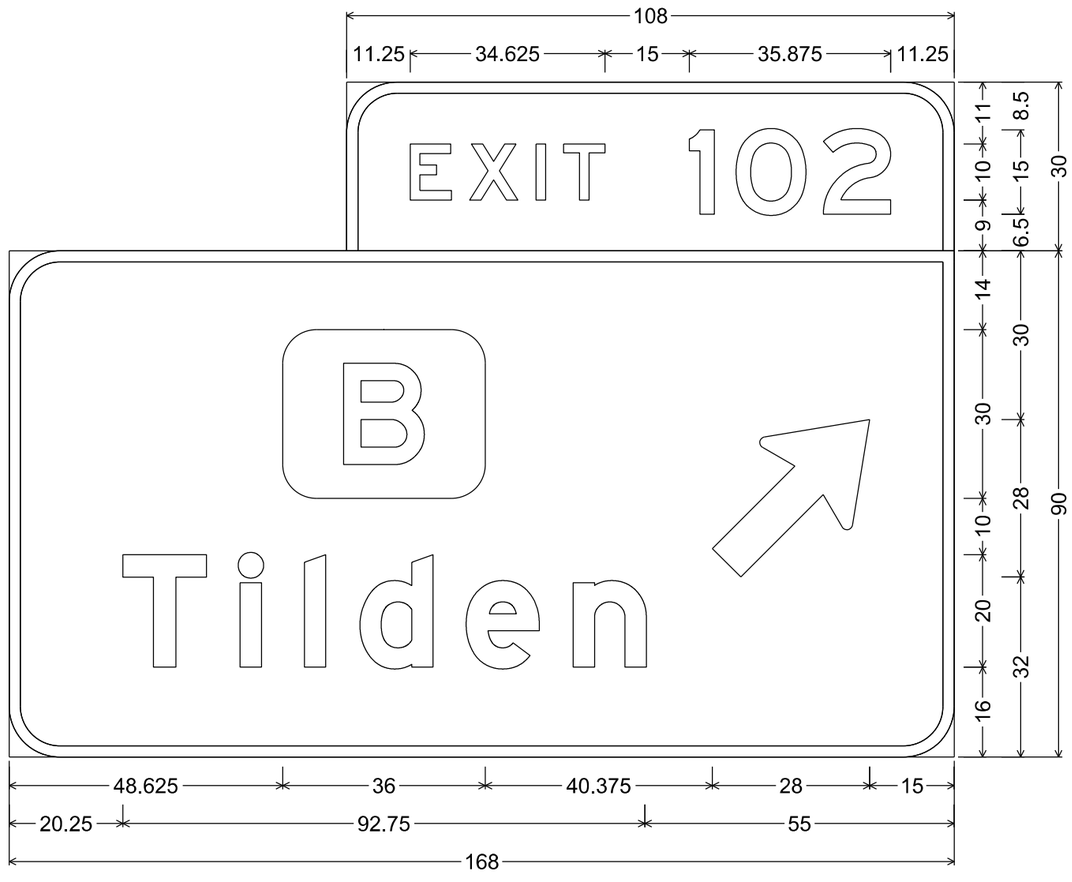
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 552	E

NOTES

1. All Signs Type I - Type SH Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E Modified except all CAP words Series E



E1-5P; 9.000" Radius, 2.000" Border
E1-1A; 9.000" Radius, 2.000" Border



E1-5P; 9.000" Radius, 2.000" Border
E4-1A; 9.000" Radius, 2.000" Border

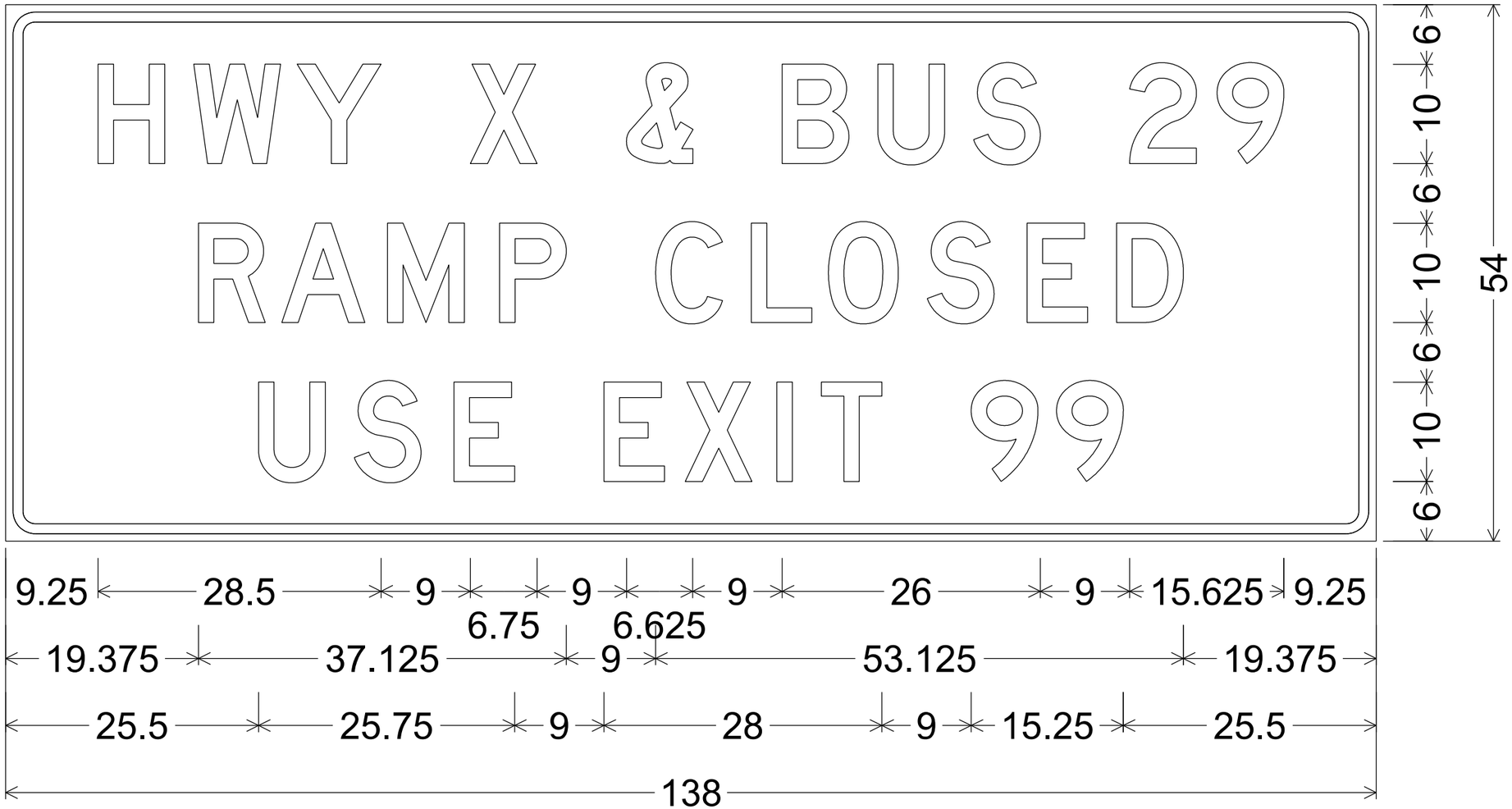
7

7

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	PERMANENT SIGNING	SHEET NO: 553	E

NOTES

1. Fixed Message Sign Type II- Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D

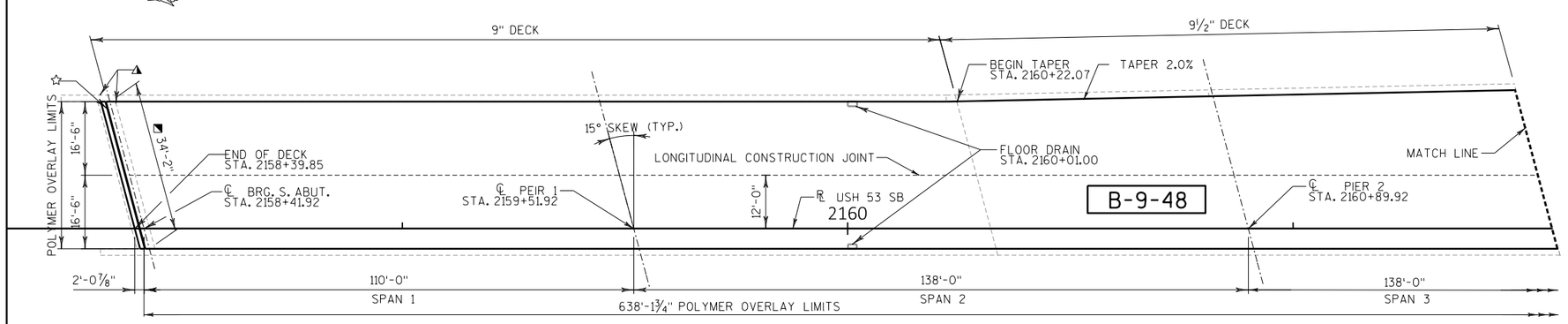


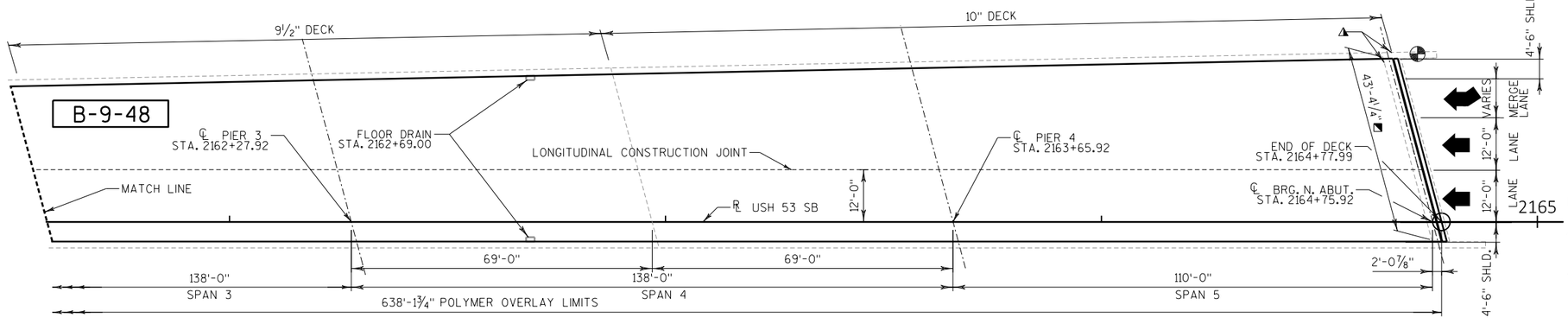
3.000" Radius, 1.000" Border, 0.750" Indent

7

7

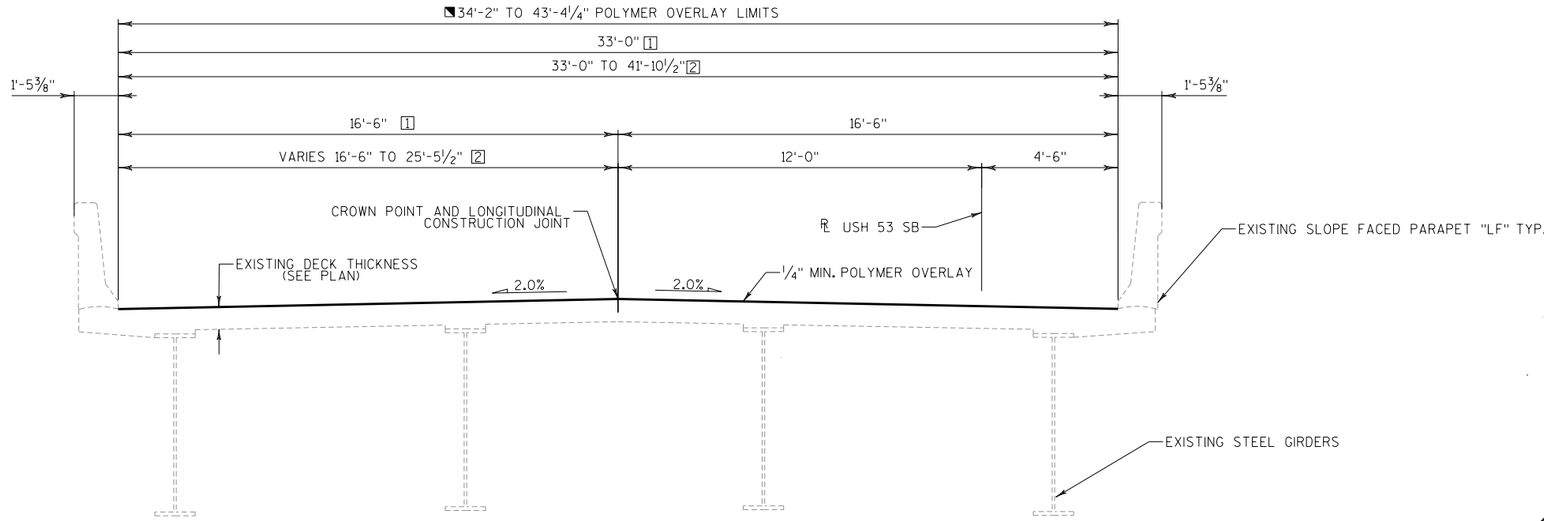
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	TEMPORARY SIGNING	SHEET NO: 554	E





PLAN

TOP OF DECK SHOWN



CROSS SECTION THRU ROADWAY

(LOOKING NORTH)

[1] TYPICAL FROM S. ABUT. TO STA. 2160+22.07

[2] FROM STA. 2160+22.07 THRU N. ABUT.

BENCH MARK

NO.	STATION	OFFSET	DESCRIPTION	ELEV.
601	2164+72.49	38.49'LT	ALUM. CAP ON NW WINGWALL	843.74

DESIGN DATA

LIVE LOAD:
DESIGN LOADING: HS-20
INVENTORY RATING: HS-20
OPERATING RATING: HS-33
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 164 KIPS

STRUCTURE RATING INCLUDES 5 PSF POLYMER OVERLAY.

TRAFFIC DATA

USH 53 NB AND SB
ADT = 27,000 (2042)
RDS = 70 MPH

NOTES

DRAWINGS SHALL NOT BE SCALED.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

DIMENSIONS ARE BASED ON ORIGINAL STRUCTURE PLANS.

TRAFFIC WILL BE STAGED TO PLACE POLYMER OVERLAY. SEE ROADWAY PLANS FOR STAGING DETAILS.

PROPOSED WORK INCLUDES PLACEMENT OF POLYMER OVERLAY ON BRIDGE DECK SURFACE. POLYMER OVERLAY IS NOT APPLIED TO APPROACH SLABS.

ALL DIMENSIONS MEASURED PERPENDICULAR TO ℄ OR ALONG ℄ UNLESS NOTED OTHERWISE.

◥ MEASURED ALONG ℄ OF BEARING.

◭ CONCRETE SURFACE REPAIRS AT THE DIRECTION OF THE FIELD ENGINEER.

☆ REPLACE EXPANSION JOINT GLAND PER ITEM "STRIP SEAL GLAND REPLACEMENT".

DECK PREPARATION 1 AREAS TO BE DETERMINED IN THE FIELD, BY THE FIELD ENGINEER. ALL DECK PREPARATION AREAS TO BE DEFINED BY A 1" SAW CUT. SAW CUTTING TO BE INCLUDED IN THE "SAWING PAVEMENT DECK PREPARATION AREAS" BID ITEM.

TOTAL ESTIMATED QUANTITIES

BID ITEM NO.	BID ITEMS	UNIT	TOTAL
509.0301	PREPARATION DECKS TYPE 1	SY	129
509.0310.S	SAWING PAVEMENT DECK PREPARATION AREAS	LF	1,548
509.1500	CONCRETE SURFACE REPAIR	SF	11
509.2100.S	CONCRETE MASONRY DECK REPAIR	CY	11
509.5100.S	POLYMER OVERLAY	SY	2,563
SPV.0060.	STRIP SEAL GLAND REPLACEMENT	EACH	1

WISCONSIN
MICHAEL D. RADTKE
E-40967
ELM GROVE, WI
PROFESSIONAL ENGINEER
5/30/2021

STRUCTURES DESIGN CONTACTS

BUREAU OF STRUCTURES: AARON BONK (608) 261-0261
CONSULTANT: MICHAEL RADTKE (414) 939-7039

NO.	DATE	REVISION	BY

emcs inc
1300 W. Canal Street, Suite 200
Milwaukee, WI 53233
414.347.1607 Fax 414.347.1347

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED SDR 08/09/21
CHIEF STRUCTURES DESIGN ENGINEER DATE

STATE PROJECT NUMBER
1190-08-79

STRUCTURE B-09-0048

USH 53 SB OVER CHIPPEWA RIVER

COUNTY CHIPPEWA | TOWN CHIPPEWA FALLS

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
JRM	MDR	JRM	MDR

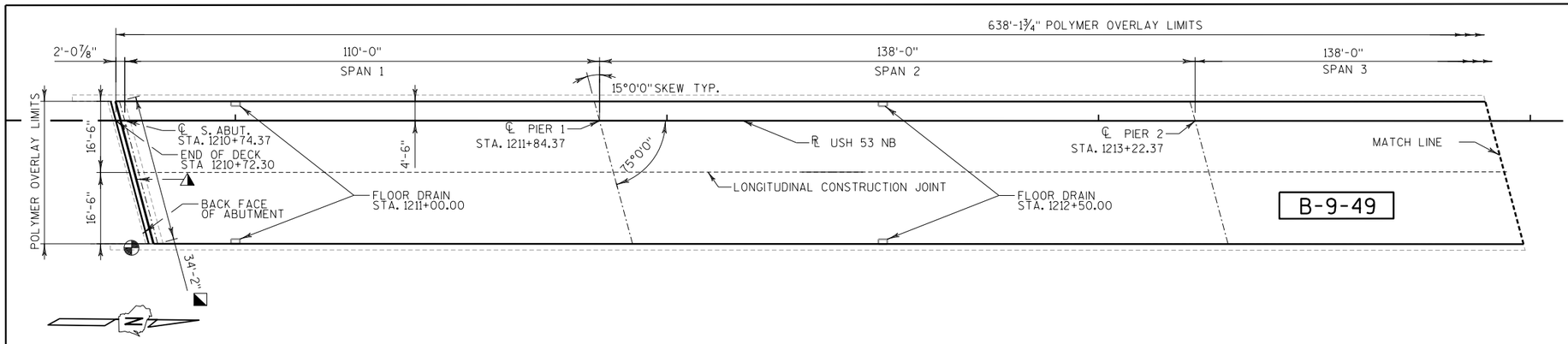
GENERAL PLAN
POLYMER OVERLAY

SHEET 1 OF 1
555

FILE NAME : N:±51xx±5144.DP.18.USH53.CHI±09 STRUCTURES±B-09-0048±Plan±B-09-0048_pln.dgn
PLOT DATE : 5/12/2021
PLOT BY : mdr

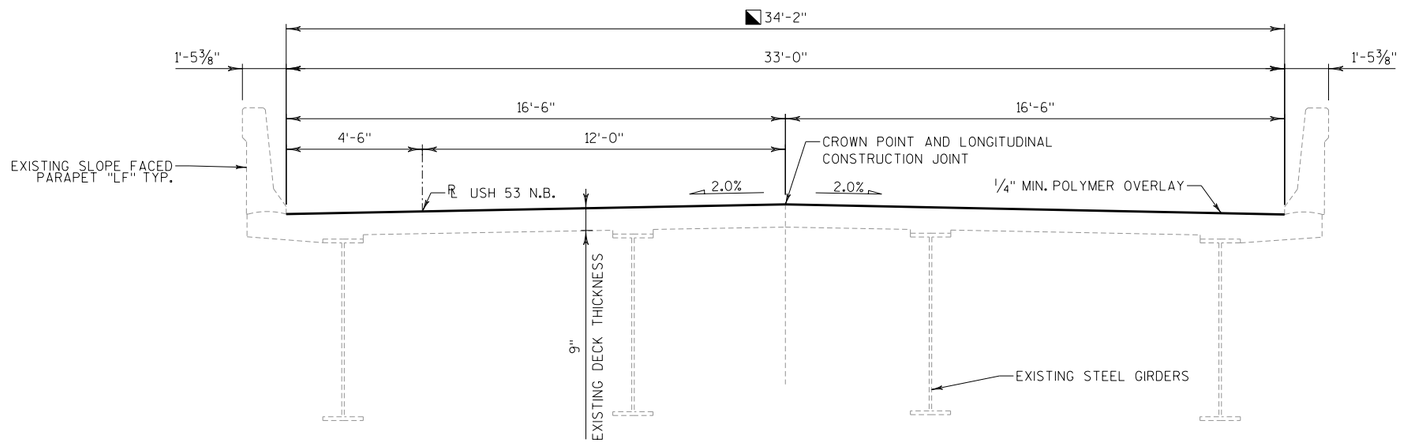
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PLAN

TOP OF DECK SHOWN



CROSS SECTION THRU ROADWAY

(LOOKING NORTH)

BENCH MARK

NO.	STATION	OFFSET	DESCRIPTION	ELEV.
602	1210+75.94	29.44' RT	ALUM. CAP ON SE WINGWALL	841.83
604	1217+15.62	5.54' LT	BM CUT	843.97

STATE PROJECT NUMBER

1190-08-79

DESIGN DATA

LIVE LOAD:
DESIGN LOADING: HS-20
INVENTORY RATING: HS-20
OPERATING RATING: HS-33
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 181 KIPS

STRUCTURE RATING INCLUDES 5 PSF POLYMER OVERLAY.

TRAFFIC DATA

USH 53 SB AND NB
ADT = 27,000 (2042)
RDS = 70 MPH

NOTES

DRAWINGS SHALL NOT BE SCALED.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

DIMENSIONS ARE BASED ON ORIGINAL STRUCTURE PLANS.

TRAFFIC WILL BE STAGED TO PLACE POLYMER OVERLAY. SEE ROADWAY PLANS FOR STAGING DETAILS.

PROPOSED WORK INCLUDES PLACEMENT OF POLYMER OVERLAY ON BRIDGE DECK SURFACE. POLYMER OVERLAY IS NOT APPLIED TO APPROACH SLABS.

ALL DIMENSIONS MEASURED PERPENDICULAR TO ℄ OR ALONG ℄ UNLESS NOTED OTHERWISE.

◥ MEASURED ALONG ℄ OF BEARING.

◭ CONCRETE SURFACE REPAIRS AT THE DIRECTION OF THE FIELD ENGINEER.

DECK PREPARATION 1 AREAS TO BE DETERMINED IN THE FIELD, BY THE FIELD ENGINEER. ALL DECK PREPARATION AREAS TO BE DEFINED BY A 1" SAW CUT. SAW CUTTING TO BE INCLUDED IN THE "SAWING PAVEMENT DECK PREPARATION AREAS" BID ITEM.

TOTAL ESTIMATED QUANTITIES

BID ITEM NO.	BID ITEMS	UNIT	TOTAL
509.0301	PREPARATION DECKS TYPE 1	SY	117
509.0310.S	SAWING PAVEMENT DECK PREPARATION AREAS	LF	1,404
509.1500	CONCRETE SURFACE REPAIR	SF	11
509.2100.S	CONCRETE MASONRY DECK REPAIR	CY	10
509.5100.S	POLYMER OVERLAY	SY	2,340

NO.	DATE	REVISION	BY

emcs inc
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Milwaukee, WI 53233
414.347.1607 Fax 414.347.1347

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ SDR 08/09/21
CHIEF STRUCTURES DESIGN ENGINEER DATE

WISCONSIN
MICHAEL D. RADTKE
E-40967
ELM GROVE, WI
PROFESSIONAL ENGINEER
5/30/2021

STRUCTURES DESIGN CONTACTS

BUREAU OF STRUCTURES: AARON BONK (608) 261-0261
CONSULTANT: MICHAEL RADTKE (414) 939-7039

STRUCTURE B-09-0049

USH 53 NB OVER CHIPPEWA RIVER

COUNTY CHIPPEWA | TOWN CHIPPEWA FALLS

DESIGN SPEC. REHABILITATION N/A

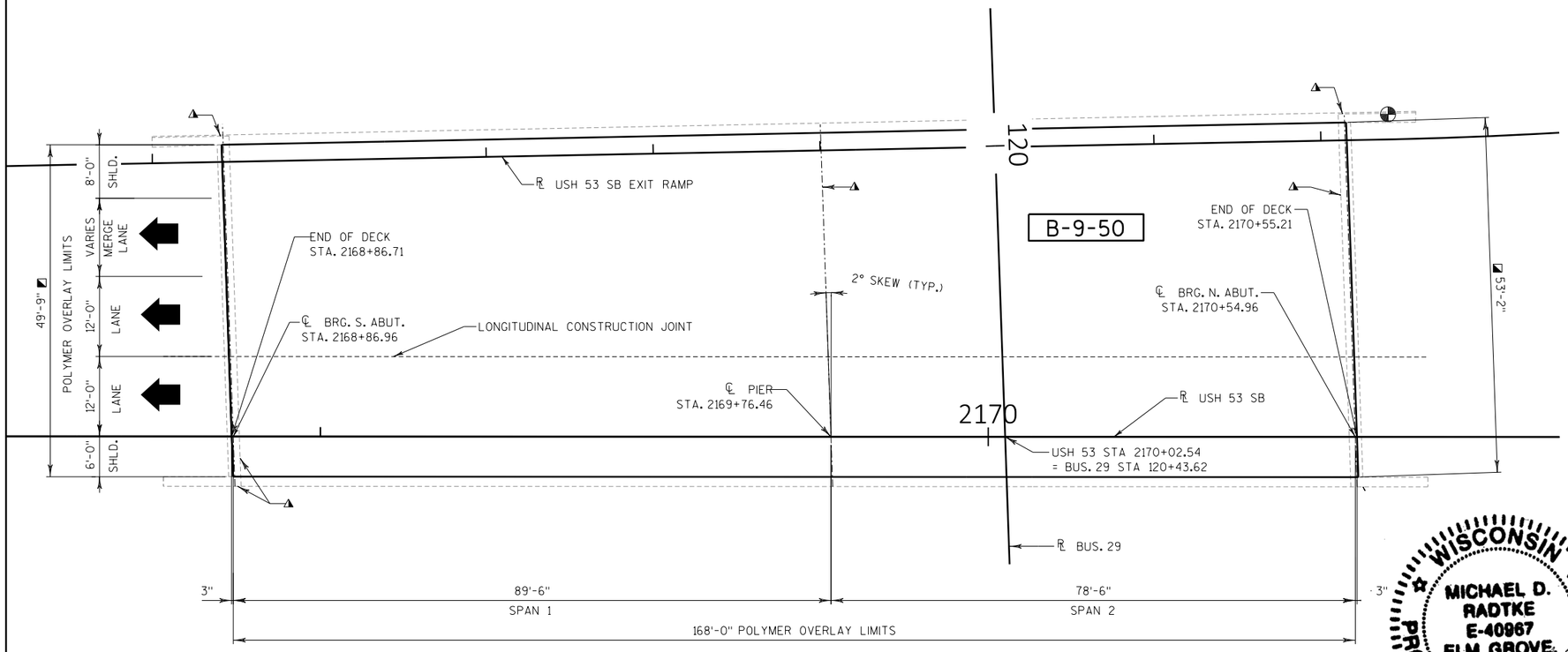
DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
JRM	MDR	JRM	MDR

GENERAL PLAN
POLYMER OVERLAY

SHEET 1 OF 1
556

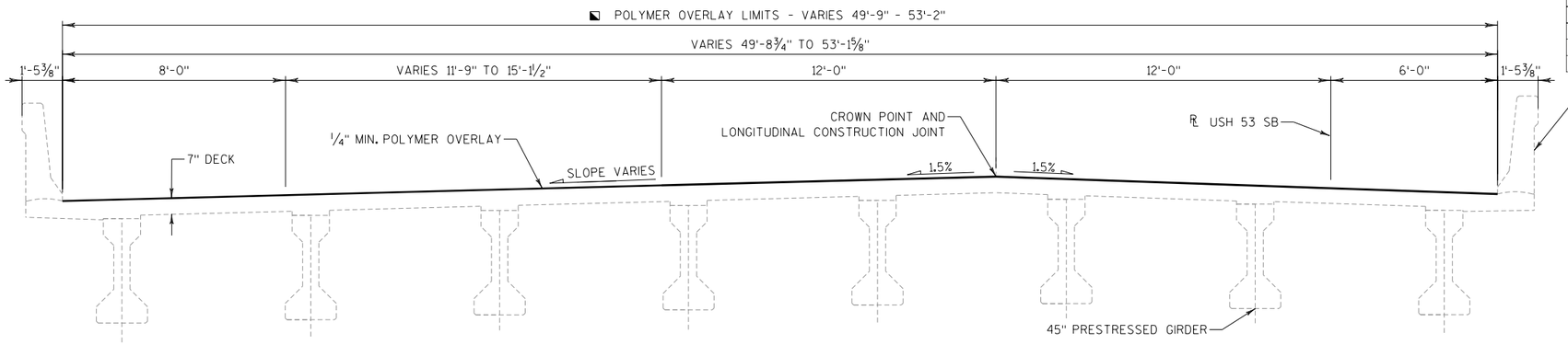
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PLAN

TOP OF DECK SHOWN



CROSS SECTION THRU ROADWAY

(LOOKING NORTH)

BENCH MARK

NO.	STATION	OFFSET	DESCRIPTION	ELEV.
600	2170+59.84	48.35' LT	ALUM. CAP ON NW WINGWALL	844.98

DESIGN DATA

LIVE LOAD:
DESIGN LOADING: HS-20
INVENTORY RATING: HS-18
OPERATING RATING: HS-30
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 162 KIPS

STRUCTURE RATING INCLUDES 5 PSF POLYMER OVERLAY.

TRAFFIC DATA

USH 53 SB AND NB	BUS. 29
ADT = 27,000 (2042)	ADT = 8100 (2042)
RDS = 70 MPH	RDS = 45 MPH

NOTES

DRAWINGS SHALL NOT BE SCALED.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

DIMENSIONS ARE BASED ON ORIGINAL STRUCTURE PLANS.

TRAFFIC WILL BE STAGED TO PLACE POLYMER OVERLAY. SEE ROADWAY PLANS FOR STAGING DETAILS.

PROPOSED WORK INCLUDES PLACEMENT OF POLYMER OVERLAY ON BRIDGE DECK SURFACE. POLYMER OVERLAY IS NOT APPLIED TO APPROACH SLABS.

ALL DIMENSIONS MEASURED PERPENDICULAR TO ℄ OR ALONG ℄ UNLESS OTHERWISE NOTED.

◹ MEASURED ALONG ℄ OF BEARING

CONCRETE SURFACE REPAIRS AT THE DIRECTION OF THE FIELD ENGINEER.

DECK PREPARATION 1 AREAS TO BE DETERMINED IN THE FIELD, BY THE FIELD ENGINEER. ALL DECK PREPARATION AREAS TO BE DEFINED BY A 1" SAW CUT. SAW CUTTING TO BE INCLUDED IN THE "SAWING PAVEMENT DECK PREPARATION AREAS" BID ITEM.

WISCONSIN
MICHAEL D. RADTKE
E-40967
ELM GROVE, WI
PROFESSIONAL ENGINEER
5/30/2021

TOTAL ESTIMATED QUANTITIES

BID ITEM NO.	BID ITEMS	UNIT	TOTAL
509.0301	PREPARATION DECKS TYPE 1	SY	49
509.0310.S	SAWING PAVEMENT DECK PREPARATION AREAS	LF	588
509.1500	CONCRETE SURFACE REPAIR	SF	52
509.2100.S	CONCRETE MASONRY DECK REPAIR	CY	5
509.5100.S	POLYMER OVERLAY	SY	963

NO.	DATE	REVISION	BY

emcs inc
1300 W. Canal Street, Suite 200
Milwaukee, WI 53233
414.347.1607 Fax 414.347.1347

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ SDR 08/09/21
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-09-0050

USH 53 SB OVER STH 29

COUNTY	CHIPPEWA	TOWN	WHEATON
DESIGN SPEC.	REHABILITATION		N/A

DESIGNED BY	JRM	DESIGN CK'D.	MDR	DRAWN BY	JRM	PLANS CK'D.	MDR

GENERAL PLAN
POLYMER OVERLAY

SHEET 1 OF 1
557

STATE PROJECT NUMBER
1190-08-79

STRUCTURES DESIGN CONTACTS
BUREAU OF STRUCTURES: AARON BONK (608) 261-0261
CONSULTANT: MICHAEL RADTKE (414) 939-7039

8

8

FILE NAME : N:±51xx±5144.DP.18.USH53.CHI±09 STRUCTURES±B-09-0050±Plan±b-09-0050_pln-1.dgn
PLOT DATE : 5/12/2021
PLOT BY : mdr

STATE PROJECT NUMBER
1190-08-79

DESIGN DATA

LIVE LOAD:
DESIGN LOADING: HS-20
INVENTORY RATING: HS-18
OPERATING RATING: HS-33
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 182 KIPS

STRUCTURE RATING INCLUDES 5 PSF POLYMER OVERLAY.

TRAFFIC DATA

USH 53 SB AND NB	BUS. 29
ADT = 27,000 (2042)	ADT = 8100 (2042)
RDS = 70 MPH	RDS = 45 MPH

NOTES

DRAWINGS SHALL NOT BE SCALED.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

DIMENSIONS ARE BASED ON ORIGINAL STRUCTURE PLANS.

TRAFFIC WILL BE STAGED TO PLACE POLYMER OVERLAY. SEE ROADWAY PLANS FOR STAGING DETAILS.

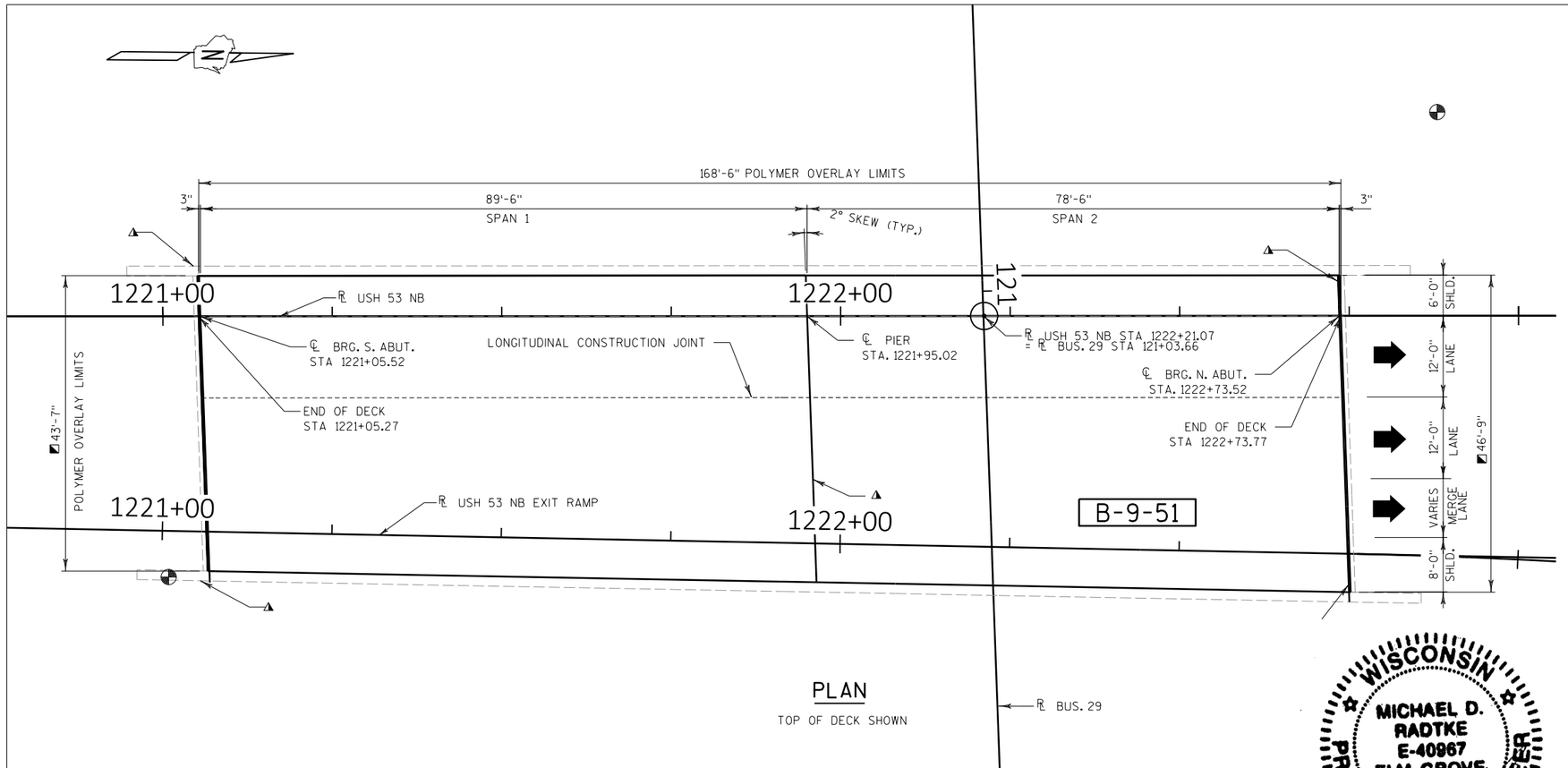
PROPOSED WORK INCLUDES PLACEMENT OF POLYMER OVERLAY ON BRIDGE DECK SURFACE. POLYMER OVERLAY IS NOT APPLIED TO APPROACH SLABS.

ALL DIMENSIONS MEASURED PERPENDICULAR TO ℄ OR ALONG ℄ UNLESS OTHERWISE NOTED

MEASURED ALONG ℄ OF BEARING.

◹ CONCRETE SURFACE REPAIR QUANTITIES SHOWN ARE AN ESTIMATE. DETERMINE AND COMPLETE CONCRETE SURFACE REPAIRS AT THE DIRECTION OF THE FIELD ENGINEER.

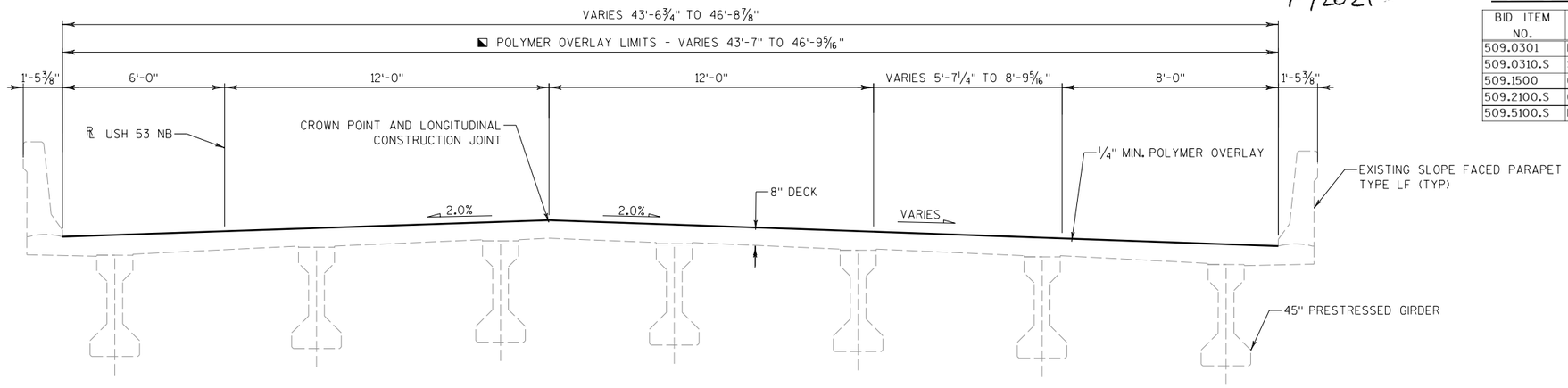
△ PREPARATION DECKS TYPE 1 AREAS TO BE DETERMINED IN THE FIELD. BY THE FIELD ENGINEER. ALL DECK PREPARATION AREAS TO BE DEFINED BY A 1" SAW CUT. SAW CUTTING TO BE INCLUDED IN THE "SAWING PAVEMENT DECK PREPARATION AREAS" BID ITEM.



PLAN

TOP OF DECK SHOWN

℄ BUS. 29



CROSS SECTION THRU ROADWAY

(LOOKING NORTH)

BENCH MARK

NO.	STATION	OFFSET	DESCRIPTION	ELEV.
603	1221+00.81	38.43' RT	ALUM. CAP ON SE WINGWALL	845.27
505	1222+87.98	30.07' LT	NGS WHEATON E	842.28

TOTAL ESTIMATED QUANTITIES

BID ITEM NO.	BID ITEMS	UNIT	TOTAL
509.0301	PREPARATION DECKS TYPE 1	SY	43
509.0310.S	SAWING PAVEMENT DECK PREPARATION AREAS	LF	516
509.1500	CONCRETE SURFACE REPAIR	SF	54
509.2100.S	CONCRETE MASONRY DECK REPAIR	CY	4
509.5100.S	POLYMER OVERLAY	SY	846

WISCONSIN
MICHAEL D. RADTKE
E-40967
ELM GROVE, WI
PROFESSIONAL ENGINEER
5/30/2021

NO.	DATE	REVISION	BY

emcs inc
1300 W. Canal Street, Suite 200
Milwaukee, WI 53233
414.347.1607 Fax 414.347.1347

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ SDR 08/09/21
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-09-0051

USH 53 NB OVER STH 29

COUNTY	TOWN
CHIPPEWA	WHEATON

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
JRM	MDR	JRM	MDR

GENERAL PLAN
POLYMER OVERLAY

SHEET 1 OF 1
558

STRUCTURES DESIGN CONTACTS
BUREAU OF STRUCTURES: AARON BONK (608) 261-0261
CONSULTANT: MICHAEL RADTKE (414) 939-7039

8

8

FILE NAME : N:±51xx±5144.DP.18.USH53.CHI±09 STRUCTURES±B-09-0051±Plan±b-09-0051_pln.dgn
PLOT DATE : 5/12/2021
PLOT BY : mdr

STAGE 1A - TEMP CROSSOVER - SOUTH PROJECT LIMIT - STA 103+06'T1' TO STA 124+35'T1' - DIVISION 1

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
103+06	0	13	0	0	0	0	0	0
104+00	94	13	7	45	12	45	16	29
105+00	100	11	34	44	76	89	115	-26
106+00	100	11	70	41	193	130	366	-236
106+66	66	14	95	31	202	161	629	-468
107+00	34	14	105	18	126	179	793	-614
108+00	100	1	112	28	402	207	1316	-1109
109+00	100	0	100	2	393	209	1827	-1618
110+00	100	0	62	0	300	209	2217	-2008
111+00	100	1	37	2	183	211	2455	-2244
111+86	86	8	25	14	99	225	2584	-2359
112+00	14	19	26	7	13	232	2601	-2369
113+00	100	21	20	74	85	306	2712	-2406
114+00	100	17	19	70	72	376	2806	-2430
114+47	47	15	25	28	38	404	2855	-2451
115+00	53	15	8	29	32	433	2897	-2464
116+00	100	19	6	63	26	496	2931	-2435
117+00	100	18	1	69	13	565	2948	-2383
118+00	100	21	0	72	2	637	2951	-2314
119+00	100	20	0	76	0	713	2951	-2238
120+00	100	14	1	63	2	776	2954	-2178
121+00	100	24	0	70	2	846	2957	-2111
122+00	100	19	0	80	0	926	2957	-2031
123+00	100	17	0	67	0	993	2957	-1964
124+00	100	19	0	67	0	1060	2957	-1897
124+35	35	18	0	24	0	1084	2957	-1873
				1084	2271			

STAGE 1A - TEMP GURARDRAIL - USH 53 SB - STA 2155+20 TO STA 2158+32 - DIVISION 1

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2155+20	0	6	0	0	0	0	0	0
2155+90	70	6	4	16	5	16	7	9
2156+00	10	6	3	2	1	18	8	10
2156+15	15	7	1	4	1	22	9	13
2156+40	25	7	0	6	0	28	9	19
2157+00	60	8	0	17	0	45	9	36
2157+31	31	9	0	10	0	55	9	46
2157+56	25	11	0	9	0	64	9	55
2157+81	25	13	0	11	0	75	9	66
2158+00	19	14	0	10	0	85	9	76
2158+23	23	0	0	6	0	91	9	82
2158+32	9	0	0	0	0	91	9	82
				91	7			

STAGE 1A - TEMP GURARDRAIL - USH 53 SB - STA 2084+26 TO STA 2085+05 - DIVISION 1

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2084+26	0	9	0	0	0	0	0	0
2084+55	29	11	0	11	0	11	0	11
2084+80	25	0	0	5	0	16	0	16
2085+00	20	0	0	0	0	16	0	16
2085+05	5	0	0	0	0	16	0	16
				16	0			

STAGE 1A - TEMP GURARDRAIL - USH 53 SB - STA 2175+77 TO STA 2179+17 - DIVISION 1

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2175+77	0	6	0	0	0	0	0	0
2176+00	23	5	1	5	0	5	0	5
2176+75	75	7	2	17	4	22	5	17
2177+00	25	8	0	7	1	29	6	23
2177+25	25	10	0	8	0	37	6	31
2178+00	75	8	0	25	0	62	6	56
2179+00	100	10	0	33	0	95	6	89
2179+17	17	0	0	0	0	95	6	89
				95	5			

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SECTION 3 SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT AREA/VOLUME. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SECTION 3 SUMMARY SHEET.
3 - EXPANDED FILL	(UNEXPANDED FILL) * (FILL FACTOR)
4 - MASS ORDINATE	CUT - (EXPANDED FILL); PLUS INDICATES AN EXCESS OF MATERIAL (WASTE)

STAGE 1A - TEMP CROSSOVER - MID 1 - STA 100+00'TM1' TO STA 123+42'TM1' - DIVISION 1

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
100+00	0	12	1	0	0	0	0	0
101+00	100	12	0	44	2	44	3	41
102+00	100	12	0	44	0	88	3	85
103+00	100	13	1	46	2	134	6	128
104+00	100	13	0	48	2	182	9	173
105+00	100	12	1	46	2	228	12	216
106+00	100	12	3	44	7	272	21	251
107+00	100	12	10	44	24	316	52	264
108+00	100	12	16	44	48	360	114	246
109+00	100	12	23	44	72	404	208	196
110+00	100	13	31	46	100	450	338	112
111+00	100	2	37	28	126	478	502	-24
111+48	48	0	37	2	66	480	588	-108
112+00	52	2	32	2	66	482	674	-192
112+46	46	3	29	4	52	486	742	-256
113+00	54	13	29	16	58	502	817	-315
114+00	100	12	25	46	100	548	947	-399
115+00	100	12	11	44	67	592	1034	-442
115+35	35	12	12	16	15	608	1054	-446
116+00	65	12	11	29	28	637	1090	-453
117+00	100	12	11	44	41	681	1143	-462
118+00	100	12	8	44	35	725	1189	-464
119+00	100	12	7	44	28	769	1225	-456
120+00	100	12	4	44	20	813	1251	-438
121+00	100	13	1	46	9	859	1263	-404
122+00	100	12	2	46	6	905	1271	-366
123+00	100	12	2	45	12	814	1287	-473
123+42	42	12	1	19	3	832	1291	-459
				969	991			

STAGE 1A - TEMP CROSSOVER - USH 53 NB/CTH S EXIT - STA 10+01'SA1' TO STA 24+81'SA1' - DIVISION 1

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
10+01	0	12	0	0	0	0	0	0
10+95	94	13	0	44	0	44	0	44
11+00	5	13	0	2	0	46	0	46
12+00	100	13	1	48	2	94	3	91
12+86	86	13	7	41	13	135	20	115
13+00	14	13	7	7	4	142	25	117
14+00	100	11	16	44	43	186	81	105
15+00	100	11	20	41	67	227	168	59
15+85	85	12	11	36	49	263	232	31
16+00	15	14	0	7	3	270	236	34
17+00	100	12	25	48	46	318	296	22
18+00	100	12	45	44	130	362	465	-103
19+00	100	12	66	44	206	406	733	-327
19+86	86	12	93	38	253	444	1062	-618
20+00	14	11	80	6	45	450	1121	-671
21+00	100	11	59	41	257	491	1455	-964
21+25	25	12	51	11	51	502	1521	-1019
21+68	43	23	48	28	79	530	1624	-1094
22+00	32	23	47	27	56	557	1697	-1140
23+00	100	23	40	85	161	642	1906	-1264
23+81	81	23	28	69	102	711	2039	-1328
24+00	19	23	27	16	19	727	2064	-1337
24+81	81	23	22	69	74	796	2160	-1364
				796	1660			

STAGE 1A - TEMP CROSSOVER - USH 53 NB/CTH S EXIT - STA 59+91'SA2' TO STA 64+64'SA2' - DIVISION 1

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
59+91	0	11	20	0	0	0	0	0
60+00	9	11	18	4	6	4	8	-4
60+39	39	11	11	16	21	20	35	-15
61+98	159	11	46	65	168	85	253	-168
62+97	99	10	76	39	224	124	544	-420
63+00	3	3	77	1	9	125	556	-431
64+00	100	0	72	6	276	131	915	-784
64+64	64	0	47	0	141	131	1098	-967
				131	845			

STAGE 1A - TEMP GURARDRAIL - USH 53 SB - STA 2319+76 TO STA 2323+27 - DIVISION 1

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2319+76	0	0	0	0	0	0	0	0
2320+00	24	0	0	0	0	0	0	0
2320+85	85	0	0	0	0	0	0	0
2320+88	3	4	1	0	0	0	0	0
2321+00	12	4	3	2	1	2	1	1
2321+10	10	4	5	1	1	3	2	1
2321+35	25	4	9	4	6	7	10	-3
2321+77	42	5	16	7	19	14	35	-21
2322+00	23	6	5	5	9	19	47	-28
2322+02	2	6	4	0	0	19	47	-28
2322+28	26	6	1	6	2	25	50	-25
2323+00	72	0	0	8	1	33	51	-18
2323+27	27	0	0	0	0	33	51	-18
				33	39			

STAGE 1A - TEMP CROSSOVER - USH 53 NB/CTH S ENTRANCE - STA 18+92'SB2' TO STA 22+95'SB2' - DIVISION 1

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
18+92	0	10	107	0	0	0	0	0
19+00	8	11	104	3	31	3	40	-37
19+12	12	1	99	3	45	6	99	-93
19+46	34	1	79	1	112	7	245	-238
20+00	54	1	44	2	123	9	405	-396
21+00	100	3	5	7	91	16	523	-507
21+18	18	2	26	2	10	18	536	-518
21+58	40	12	25	10	38	28	585	-557
22+00	42	12	21	19	36	47	632	-585
22+95	95	12	19	42	70	89	723	-634
				89	556			

STAGE 1A - TEMP CROSSOVER - USH 53 NB/CTH B EXIT - STA 10+01'BA1' TO STA 22+83'BA1' - DIVISION 1

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
10+01	0	14	0	0	0	0	0	0
10+67	66	14	0	34	0	34	0	34
10+96	29	15	0	16	0	50	0	50
11+00	4	18	0	2	0	52	0	52
11+35	35	66	0	54	0	106	0	106
12+00	65	13	3	95	4	201	5	196
13+00	100	12	10	46	24	247	36	211
13+90	90	12	18	40	47	287	97	190
14+00	10	12	18	4	7	291	106	185
15+00	100	12	9	44	50	335	171	164
16+00	100	12	13	44	41	379	224	155
17+00	100	11	17	43	56	422	297	125
18+00	100	12	18	43	65	465	382	83
19+00	100	13	16	46	63	511	464	47
19+52	52	15	19	27	34	538	508	30
20+00	48	14	35	26	48	564	570	-6
20+59	59	25	32	43	73	607	665	-58
20+90	31	25	51	29	48	636	727	-91
21+00	10	26	39	9	17	645	749	-104
22+00	100	24	9	93	89	738	865	-127
22+29	29	25	6	26	8	764	875	-111
22+83	54	25	8	50	14	814	893	-79
				814	688			

STAGE 1A - TEMP CROSSOVER - USH 53 NB/CTH S ENTRANCE - STA 64+46'SB1' TO STA 79+50'SB1' - DIVISION 1

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
64+46	0	23	22	0	0	0	0	0
65+00	54	23	17	46	39	46	51	-5
65+07	7	23	17	6	4	52	56	-4
66+00	93	24	35	81	90	133	173	-40
67+00	100	25	48	91	154	224	373	-149
67+34	34	12	47	23	60	247	451	-204
68+00	66	12	46	29	114	276	599	-323
68+53	53	12	48	24	92	300	719	-419
69+00	47	12	46	21	82	321	826	-505
70+00	100	12	38	44	156	365	1029	-664
71+00	100	12	27	44	120	409	1185	-776
72+00	100	11	20	43	87	452	1298	-846
73+00	100	12	15	43	65	495	1383	-888
74+00	100	15	0	50	28	545	1419	-874
74+30	30	18	0	18	0	563	1419	-856
74+64	34	13	5	20	3	583	1423	-840
75+00	36	13	3	17	5	600	1430	-830
76+00	100	11	2	44	9	644	1442	-798
77+00	100	11	1	41	6	685	1450	-765
77+58	58	11	0	24	1	709	1451	-742
78+00	42	11	0	17	0	726	1451	-725
79+00	100	12	0	43	0	769	1451	-682
79+50	50	12	0	22	0	791	1451	-660
				791	1115			

STAGE 1A - TEMP CROSSOVER - USH 53 NB/CTH B EXIT - STA 58+85'BA2' TO STA 62+93'BA2' - DIVISION 1

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
58+85	0	12	8	0	0	0	0	0
59+00	15	12	8	7	4	7	5	2
59+45	45	12	11	20	16	27	26	1
60+00	55	12	16	24	28	51	62	-11
61+00	100	14	20	48	67	99	149	-50
61+40	40	2	21	12	30	111	188	-77
62+00	60	1	22	3	48	114	250	-136
62+93	93	1	18	3	69	117	340	-223
				117	262			

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PROJECT NO: 1190-08-79 | HWY: USH 53 | COUNTY: CHIPPEWA | EARTHWORK DATA | SHEET 561 | E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090101-EW.DWG
LAYOUT NAME - 03

PLOT DATE : 10/2/2023 10:01 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 42

STAGE 1A - TEMP CROSSOVER - USH 53 SB & NB - NORTH PROJECT LIMIT - STA 2495+30 TO STA 2519+14 - DIVISION 1

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2495+30	0	13	0	0	0	0	0	0
2495+40	10	25	1	7	0	7	0	7
2496+00	60	24	1	54	2	61	3	58
2497+00	100	25	0	91	2	152	6	146
2498+00	100	24	2	91	4	243	11	232
2499+00	100	24	5	89	13	332	28	304
2500+00	100	25	5	91	19	423	53	370
2500+94	94	26	3	89	14	512	71	441
2501+00	6	26	2	6	1	518	72	446
2502+00	100	24	9	93	20	611	98	513
2503+00	100	24	18	89	50	700	163	537
2504+00	100	24	23	89	76	789	262	527
2505+00	100	25	28	91	94	880	384	496
2505+05	5	25	27	5	5	885	391	494
2506+00	95	24	28	86	97	971	517	454
2506+08	8	30	49	8	11	979	531	448
2507+00	92	19	34	83	141	1062	714	348
2507+95	95	25	25	77	104	1139	849	290
2508+00	5	25	18	5	4	1144	854	290
2509+00	100	26	24	94	78	1238	955	283
2509+82	82	27	23	80	71	1318	1047	271
2510+00	18	25	24	17	16	1335	1068	267
2511+00	100	26	17	94	76	1429	1167	262
2512+00	100	27	10	98	50	1527	1232	295
2513+00	100	27	5	100	28	1627	1268	359
2514+00	100	26	1	98	11	1725	1282	443
2514+84	84	32	0	90	2	1815	1285	530
2515+00	16	35	1	20	0	1835	1285	550
2515+43	43	34	0	55	1	1890	1286	604
2516+00	57	27	0	64	0	1954	1286	668
2517+00	100	27	0	100	0	2054	1286	768
2517+16	16	27	0	16	0	2070	1286	784
2518+00	84	11	0	59	0	2129	1286	843
2518+59	59	15	1	28	1	2157	1287	870
2519+00	41	15	5	23	5	2180	1294	886
2519+14	14	14	7	8	3	2188	1298	890
				2188	999			

STAGE 1B - TEMP GURARDRAIL - USH 53 SB - STA 2108+93 TO STA 2110+44 - DIVISION 1

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2108+92	0	3	0	0	0	0	0	0
2109+41	49	4	6	6	5	6	7	-1
2109+82	41	4	7	6	10	12	20	-8
2109+94	12	4	7	2	3	14	24	-10
2110+00	6	4	7	1	2	15	27	-12
2110+07	7	4	7	1	2	16	30	-14
2110+32	25	3	12	3	9	19	42	-23
2110+44	12	4	20	2	9	21	54	-33
				21	40			

STAGE 1B - TEMP GURARDRAIL - USH 53 SB - STA 2082+92 TO STA 2083+80 - DIVISION 2

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2082+92	0	6	1	0	0	0	0	0
2083+00	8	6	2	2	0	2	0	2
2083+30	30	6	6	7	4	9	5	4
2083+55	25	7	0	6	3	15	9	6
2083+80	25	5	0	5	0	20	9	11
				20	7			

STAGE 1B - TEMP GURARDRAIL - USH 53 SB - STA 2157+31 TO STA 2158+23 - DIVISION 1

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2157+31	0	1	0	0	0	0	0	0
2157+56	25	1	0	1	0	1	0	1
2157+81	25	1	0	1	0	2	0	2
2158+00	19	1	0	1	0	3	0	3
2158+23	23	0	0	0	0	3	0	3
				3	0			

STAGE 1B - TEMP GURARDRAIL - USH 53 SB - STA 2319+76 TO STA 2323+27 - DIVISION 1								
		AREA (SF)		INCREMENTAL VOLUME (CY) (UNADJUSTED)		CUMULATIVE VOLUME (CY)		
STATION	DISTANCE	CUT (NOTE 1)	FILL (NOTE 2)	CUT (NOTE 1)	FILL (NOTE 2)	CUT (NOTE 1) 1.00	EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2319+76	0	0	0	0	0	0	0	0
2320+00	24	0	0	0	0	0	0	0
2320+85	85	0	0	0	0	0	0	0
2320+88	3	4	1	0	0	0	0	0
2321+00	12	4	3	2	1	2	1	1
2321+10	10	4	5	1	1	3	2	1
2321+35	25	4	9	4	6	7	10	-3
2321+77	42	5	16	7	19	14	35	-21
2322+00	23	6	5	5	9	19	47	-28
2322+02	2	6	4	0	0	19	47	-28
2322+28	26	6	1	6	2	25	50	-25
2323+00	72	0	0	8	1	33	51	-18
2323+27	27	0	0	0	0	33	51	-18
				33	39			

STAGE 1B - USH 53 NB/CTH B EXIT SHOULDER PAVING - STA 59+45'BA2' TO STA 66+52'BA2' - DIVISION 6								
		AREA (SF)		INCREMENTAL VOLUME (CY) (UNADJUSTED)		CUMULATIVE VOLUME (CY)		
STATION	DISTANCE	CUT (NOTE 1)	FILL (NOTE 2)	CUT (NOTE 1)	FILL (NOTE 2)	CUT (NOTE 1) 1.00	EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
59+45	0	16	0	0	0	0	0	0
60+00	55	16	0	33	0	33	0	33
61+00	100	15	0	57	0	90	0	90
61+40	40	16	0	23	0	113	0	113
62+00	60	16	1	36	1	149	1	148
62+93	93	14	8	52	16	201	22	179
63+00	7	14	7	4	2	205	25	180
63+23	23	15	6	12	6	217	33	184
64+00	77	16	1	44	10	261	46	215
64+61	61	14	1	34	2	295	49	246
64+95	34	13	1	17	1	312	50	262
65+25	30	13	1	14	1	326	51	275
66+00	75	12	0	35	1	361	52	309
66+52	52	14	0	25	0	386	52	334
66+92	40	13	0	20	0	406	52	354
				406	40			

STAGE 2B - USH 53 NB/CTH S EXIT - STA 1362+81'SA' TO STA 1375+40'SA' - DIVISION 5								
		AREA (SF)		INCREMENTAL VOLUME (CY) (UNADJUSTED)		CUMULATIVE VOLUME (CY)		
STATION	DISTANCE	CUT (NOTE 1)	FILL (NOTE 2)	CUT (NOTE 1)	FILL (NOTE 2)	CUT (NOTE 1) 1.00	EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
1362+82	0	32	0	0	0	0	0	0
1363+00	18	32	0	21	0	21	0	21
1364+00	100	35	0	124	0	145	0	145
1364+91	91	34	0	116	0	261	0	261
1365+36	45	35	0	58	0	319	0	319
1365+41	5	40	0	7	0	326	0	326
1366+00	59	44	0	92	0	418	0	418
1366+03	3	44	0	5	0	423	0	423
1366+59	56	41	0	88	0	511	0	511
1366+87	28	44	0	44	0	555	0	555
1367+00	13	43	0	21	0	576	0	576
1368+00	100	49	0	170	0	746	0	746
1369+00	100	46	0	176	0	922	0	922
1369+78	78	44	0	130	0	1052	0	1052
1370+00	22	46	0	37	0	1089	0	1089
1370+06	6	47	0	10	0	1099	0	1099
1370+62	56	47	0	97	0	1196	0	1196
1371+00	38	48	0	67	0	1263	0	1263
1371+18	18	49	0	32	0	1295	0	1295
1371+74	56	49	0	102	0	1397	0	1397
1372+00	26	50	0	48	0	1445	0	1445
1373+00	100	53	0	191	0	1636	0	1636
1373+99	99	56	0	200	0	1836	0	1836
1374+00	1	56	0	2	0	1838	0	1838
1374+07	7	56	0	15	0	1853	0	1853
1374+73	66	70	2	154	2	2007	3	2004
1374+89	16	75	1	43	1	2050	4	2046
1375+00	11	78	0	31	0	2081	4	2077
1375+15	15	102	1	50	0	2131	4	2127
1375+28	13	137	0	58	0	2189	4	2185
1375+40	12	100	0	44	0	2233	4	2229
				2233	3			

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PROJECT NO: 1190-08-79 | HWY: USH 53 | COUNTY: CHIPPEWA | EARTHWORK DATA | SHEET 563 | E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090101-EW.DWG
LAYOUT NAME - 05

PLOT DATE : 10/2/2023 10:01 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 42

STAGE 2B - USH 53 SB/CTH S ENTRANCE - STA 2307+70'SD' TO STA 2325+39'SD' - DIVISION 5

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2307+70	0	31	0	0	0	0	0	0
2308+00	30	29	0	33	0	33	0	33
2309+00	100	29	0	107	0	140	0	140
2309+20	20	29	0	21	0	161	0	161
2309+35	15	29	0	16	0	177	0	177
2309+89	54	29	0	58	0	235	0	235
2310+00	11	30	0	12	0	247	0	247
2311+00	100	32	0	115	0	362	0	362
2311+33	33	31	0	39	0	401	0	401
2311+36	3	31	0	3	0	404	0	404
2311+45	9	31	0	10	0	414	0	414
2312+00	55	29	0	61	0	475	0	475
2313+00	100	42	0	131	0	606	0	606
2314+00	100	43	0	157	0	763	0	763
2315+00	100	42	0	157	0	920	0	920
2316+00	100	40	0	152	0	1072	0	1072
2316+75	75	39	0	110	0	1182	0	1182
2317+00	25	39	0	36	0	1218	0	1218
2317+18	18	39	0	26	0	1244	0	1244
2317+69	51	40	0	75	0	1319	0	1319
2318+00	31	44	0	48	0	1367	0	1367
2318+21	21	47	0	35	0	1402	0	1402
2318+72	51	53	0	94	0	1496	0	1496
2319+00	28	53	0	55	0	1551	0	1551
2319+67	67	52	0	130	0	1681	0	1681
2320+00	33	50	0	62	0	1743	0	1743
2320+04	4	49	0	7	0	1750	0	1750
2320+41	37	46	0	65	0	1815	0	1815
2320+77	36	48	0	63	0	1878	0	1878
2320+79	2	48	0	4	0	1882	0	1882
2321+00	21	46	0	37	0	1919	0	1919
2322+00	100	39	0	157	0	2076	0	2076
2323+00	100	39	0	144	0	2220	0	2220
2323+76	76	46	0	120	0	2340	0	2340
2323+78	2	46	0	3	0	2343	0	2343
2323+98	20	45	0	34	0	2377	0	2377
2324+01	3	45	0	5	0	2382	0	2382
2324+15	14	46	0	24	0	2406	0	2406
2324+18	3	47	0	5	0	2411	0	2411
2324+51	33	52	0	61	0	2472	0	2472
2324+88	37	56	0	74	0	2546	0	2546
2324+96	8	73	1	19	0	2565	0	2565
2324+98	2	53	1	5	0	2570	0	2570
2325+00	2	54	1	4	0	2574	0	2574
2325+11	11	83	0	28	0	2602	0	2602
2325+16	5	89	1	16	0	2618	0	2618
2325+24	8	59	0	22	0	2640	0	2640
2325+26	2	47	1	4	0	2644	0	2644
2325+39	13	0	0	11	0	2655	0	2655
				2655	0			

STAGE 2B - USH 53 SB/CTH S ENTRANCE SHOULDER PAVING - STA 60+53'SD2' TO STA 65+68'SD2' - DIVISION 5

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
60+53	0	12	0	0	0	0	0	0
60+88	35	12	1	16	1	16	1	15
61+00	12	12	1	5	0	21	1	20
61+38	38	11	7	16	6	37	9	28
61+88	50	10	8	19	14	56	27	29
62+00	12	10	9	4	4	60	32	28
63+00	100	11	7	39	30	99	71	28
63+60	60	11	7	24	16	123	92	31
64+00	40	11	6	16	10	139	105	34
65+00	100	15	0	48	11	187	119	68
65+68	68	15	0	38	0	225	119	106
				225	92			

STAGE 2B - CTH S - STA 209+89'EB' TO STA 220+93'EB' - DIVISION 5

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
209+89	0	122	3	0	0	0	0	0
210+00	11	122	1	50	1	50	1	49
210+24	24	124	1	109	1	159	2	157
210+40	16	115	3	71	1	230	3	227
210+82	42	120	1	183	3	413	7	406
211+00	18	103	0	74	0	487	7	480
211+16	16	163	0	79	0	566	7	559
211+22	6	165	0	36	0	602	7	595
211+49	27	168	0	167	0	769	7	762
211+70	21	185	1	137	0	906	7	899
211+79	9	179	2	61	1	967	8	959
211+84	5	180	0	33	0	1000	8	992
211+91	7	126	1	40	0	1040	8	1032
212+00	9	121	4	41	1	1081	9	1072
212+43	43	110	12	184	13	1265	26	1239
212+87	44	112	12	181	20	1446	52	1394
212+95	8	109	11	33	3	1479	56	1423
213+00	5	108	10	20	2	1499	59	1440
213+20	20	106	1	79	4	1578	64	1514
213+45	25	106	0	98	0	1676	64	1612
213+84	39	106	0	153	0	1829	64	1765
214+00	16	105	0	63	0	1892	64	1828
215+00	100	109	0	396	0	2288	64	2224
216+00	100	110	0	406	0	2694	64	2630
216+48	48	125	0	209	0	2903	64	2839
216+87	39	121	0	178	0	3081	64	3017
217+00	13	126	0	59	0	3140	64	3076
217+60	60	149	0	306	0	3446	64	3382
217+84	24	154	0	135	0	3581	64	3517
218+00	16	153	0	91	0	3672	64	3608
218+33	33	151	0	186	0	3858	64	3794
218+58	25	150	0	139	0	3997	64	3933
218+61	3	150	0	17	0	4014	64	3950
218+69	8	158	0	46	0	4060	64	3996
219+00	31	160	0	183	0	4243	64	4179
219+11	11	126	0	58	0	4301	64	4237
219+23	12	126	0	56	0	4357	64	4293
219+25	2	91	0	8	0	4365	64	4301
219+79	54	48	0	139	0	4504	64	4440
220+00	21	107	8	60	3	4564	68	4496
220+08	8	102	5	31	2	4595	71	4524
220+20	12	100	1	45	1	4640	72	4568
220+45	25	89	0	88	0	4728	72	4656
220+66	21	79	0	65	0	4793	72	4721
220+93	27	71	0	75	0	4868	72	4796
				4868	56			

STAGE 2C - USH 53 NB/CTH S ENTRANCE - STA 1374+07'SB' TO STA 1392+80'SB' - DIVISION 6

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
1374+07	0	0	0	0	0	0	0	0
1374+18	11	53	0	11	0	11	0	11
1374+24	6	80	0	15	0	26	0	26
1374+27	3	95	0	10	0	36	0	36
1374+33	6	89	0	20	0	56	0	56
1374+52	19	76	0	58	0	114	0	114
1374+58	6	76	0	17	0	131	0	131
1375+00	42	81	0	122	0	253	0	253
1375+19	19	76	0	55	0	308	0	308
1375+23	4	75	0	11	0	319	0	319
1375+29	6	73	0	16	0	335	0	335
1375+33	4	72	6	11	0	346	0	346
1375+49	16	71	2	42	2	388	3	385
1375+58	9	71	0	24	0	412	3	409
1375+64	6	71	0	16	0	428	3	425
1375+84	20	71	1	53	0	481	3	478
1375+89	5	71	1	13	0	494	3	491
1375+96	7	73	0	19	0	513	3	510
1376+00	4	74	1	11	0	524	3	521
1376+09	9	76	0	25	0	549	3	546
1376+10	1	77	0	3	0	552	3	549
1376+14	4	77	0	11	0	563	3	560
1376+34	20	75	0	56	0	619	3	616
1376+44	10	73	0	27	0	646	3	643
1376+55	11	70	0	29	0	675	3	672
1376+69	14	66	0	35	0	710	3	707
1377+00	31	60	0	72	0	782	3	779
1378+00	100	49	0	202	0	984	3	981
1379+00	100	43	0	170	0	1154	3	1151
1380+00	100	47	0	167	0	1321	3	1318
1380+66	66	48	0	116	0	1437	3	1434
1380+80	14	46	0	24	0	1461	3	1458
1381+00	20	44	0	33	0	1494	3	1491
1381+18	18	43	0	29	0	1523	3	1520
1381+57	39	43	0	62	0	1585	3	1582
1381+96	39	43	0	62	0	1647	3	1644
1382+00	4	43	0	6	0	1653	3	1650
1383+00	100	46	0	165	0	1818	3	1815
1383+71	71	44	0	118	0	1936	3	1933
1384+00	29	41	0	46	0	1982	3	1979
1384+24	24	40	0	36	0	2018	3	2015
1384+78	54	38	0	78	0	2096	3	2093
1385+00	22	35	0	30	0	2126	3	2123
1385+31	31	32	2	38	1	2164	4	2160
1385+84	53	28	3	59	5	2223	11	2212
1386+00	16	28	2	17	1	2240	12	2228
1387+00	100	25	3	98	9	2338	24	2314
1388+00	100	23	1	89	7	2427	33	2394
1388+81	81	20	0	65	2	2492	36	2456
1389+00	19	22	0	15	0	2507	36	2471
1389+15	15	28	0	14	0	2521	36	2485
1389+27	12	29	0	13	0	2534	36	2498
1390+00	73	38	0	91	0	2625	36	2589
1390+09	9	38	0	13	0	2638	36	2602
1390+63	54	41	0	79	0	2717	36	2681
1391+00	37	41	0	56	0	2773	36	2737
1391+16	16	41	0	24	0	2797	36	2761
1391+69	53	38	0	78	0	2875	36	2839
1392+23	54	38	0	76	0	2951	36	2915
1392+80	57	37	0	79	0	3030	36	2994
				3030	27			

STAGE 2C - USH 53 NB/CTH S ENTRANCE SHOULDER PAVING - STA 10+00'SB2' TO STA 19+46'SB2' - DIVISION 6

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
10+00	0	13	0	0	0	0	0	0
11+00	100	12	0	46	0	46	0	46
12+00	100	9	0	39	0	85	0	85
13+00	100	7	0	30	0	115	0	115
14+00	100	16	14	43	26	158	34	124
15+00	100	14	13	56	50	214	99	115
15+90	90	14	6	47	32	261	141	120
16+00	10	14	6	5	2	266	144	122
16+42	42	13	12	21	14	287	162	125
17+00	58	12	30	27	45	314	221	93
18+00	100	11	48	43	144	357	408	-51
18+28	28	12	53	12	52	369	476	-107
18+92	64	11	39	27	109	396	618	-222
19+00	8	12	37	3	11	399	632	-233
19+12	12	12	34	5	16	404	653	-249
19+46	34	12	15	15	31	419	693	-274
				419	532			

STAGE 2C - USH 53 SB/CTH S EXIT - STA 2325+89'SC' TO STA 2338+61'SC' - DIVISION 6

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2325+89	0	0	0	0	0	0	0	0
2325+94	5	26	0	2	0	2	0	2
2326+00	6	46	0	8	0	10	0	10
2326+12	12	102	0	33	0	43	0	43
2326+27	15	128	0	64	0	107	0	107
2326+30	3	137	0	15	0	122	0	122
2326+47	17	117	3	80	1	202	1	201
2326+50	3	125	2	13	0	215	1	214
2326+94	44	115	0	196	2	411	4	407
2327+00	6	111	0	25	0	436	4	432
2327+22	22	99	0	86	0	522	4	518
2327+58	36	92	0	127	0	649	4	645
2327+66	8	89	0	27	0	676	4	672
2328+00	34	74	0	103	0	779	4	775
2329+00	100	52	4	233	7	1012	13	999
2329+10	10	50	5	19	2	1031	16	1015
2329+28	18	49	7	33	4	1064	21	1043
2329+35	7	49	8	13	2	1077	24	1053
2329+50	15	49	13	27	6	1104	32	1072
2329+53	3	49	14	5	2	1109	35	1074
2329+60	7	49	17	13	4	1122	40	1082
2329+78	18	46	21	32	13	1154	57	1097
2330+00	22	44	15	37	15	1191	77	1114
2330+08	8	43	14	13	4	1204	82	1122
2330+10	2	44	14	3	1	1207	83	1124
2330+79	69	45	0	114	18	1321	106	1215
2330+96	17	45	0	28	0	1349	106	1243
2331+00	4	45	0	7	0	1356	106	1250
2332+00	100	44	0	165	0	1521	106	1415
2333+00	100	44	0	163	0	1684	106	1578
2333+70	70	40	0	109	0	1793	106	1687
2334+00	30	39	0	44	0	1837	106	1731
2334+21	21	39	0	30	0	1867	106	1761
2334+73	52	40	0	76	0	1943	106	1837
2335+00	27	41	0	41	0	1984	106	1878
2335+24	24	41	0	36	0	2020	106	1914
2335+49	25	41	0	38	0	2058	106	1952
2336+00	51	47	0	83	0	2141	106	2035
2336+93	93	40	0	150	0	2291	106	2185
2337+00	7	33	0	9	0	2300	106	2194
2338+00	100	39	0	133	0	2433	106	2327
2338+61	61	40	0	90	0	2523	106	2417
				2523	81			

STAGE 2C - USH 53 SB/CTH S EXIT SHOULDER PAVING - STA 14+01'SC2' TO STA 19+03'SC2' - DIVISION 6

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
14+01	0	14	1	0	0	0	0	0
14+59	58	12	8	28	10	28	13	15
14+62	3	12	9	1	1	29	14	15
14+92	30	13	10	14	11	43	28	15
15+00	8	13	10	4	3	47	32	15
15+47	47	12	14	22	21	69	59	10
16+00	53	11	17	23	30	92	98	-6
16+40	40	11	20	16	27	108	133	-25
17+00	60	12	24	26	49	134	197	-63
18+00	100	15	5	50	54	184	267	-83
18+29	29	16	1	17	3	201	271	-70
19+00	71	15	0	41	1	242	272	-30
19+03	3	15	0	2	0	244	272	-28
				244	210			

STAGE 2B - CTH S - STA 210+24'WB' TO STA 222+38'WB' - DIVISION 6

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
210+24	0	65	0	0	0	0	0	0
210+40	16	64	0	38	0	38	0	38
210+82	42	68	0	103	0	141	0	141
211+00	18	85	0	51	0	192	0	192
211+16	16	49	0	40	0	232	0	232
211+22	6	48	0	11	0	243	0	243
211+49	27	83	0	66	0	309	0	309
211+70	21	81	0	64	0	373	0	373
211+79	9	80	0	27	0	400	0	400
211+84	5	80	0	15	0	415	0	415
211+91	7	128	0	27	0	442	0	442
212+00	9	128	0	43	0	485	0	485
212+43	43	123	0	200	0	685	0	685
212+87	44	103	0	184	0	869	0	869
212+95	8	126	0	34	0	903	0	903
213+00	5	128	0	24	0	927	0	927
213+20	20	125	0	94	0	1021	0	1021
213+45	25	121	0	114	0	1135	0	1135
213+84	39	122	0	176	0	1311	0	1311
214+00	16	119	0	71	0	1382	0	1382
215+00	100	102	0	409	0	1791	0	1791
216+00	100	98	0	370	0	2161	0	2161
216+48	48	98	0	174	0	2335	0	2335
216+87	39	101	0	144	0	2479	0	2479
217+00	13	102	0	49	0	2528	0	2528
217+60	60	108	0	233	0	2761	0	2761
217+84	24	101	0	93	0	2854	0	2854
218+00	16	103	0	60	0	2914	0	2914
218+33	33	110	0	130	0	3044	0	3044
218+58	25	116	0	105	0	3149	0	3149
218+61	3	117	0	13	0	3162	0	3162
218+69	8	118	0	35	0	3197	0	3197
219+00	31	95	0	122	0	3319	0	3319
219+11	11	94	0	39	0	3358	0	3358
219+23	12	92	0	41	0	3399	0	3399
219+25	2	91	0	7	0	3406	0	3406
219+79	54	13	0	104	0	3510	0	3510
220+00	21	14	0	11	0	3521	0	3521
220+08	8	14	1	4	0	3525	0	3525
220+20	12	13	2	6	1	3531	1	3530
220+45	25	11	8	11	5	3542	8	3534
220+66	21	12	5	9	5	3551	15	3536
220+93	27	11	5	12	5	3563	22	3541
221+00	7	11	7	3	2	3566	25	3541
222+00	100	16	2	50	17	3616	47	3569
222+38	38	15	0	22	1	3638	48	3590
				3638	36			

STAGE 3A - USH 53 NB - STA 1299+50 TO STA 1354+46 - DIVISION 7

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
1299+50	0	80	0	0	0	0	0	0
1300+00	50	79	0	147	0	147	0	147
1301+00	100	80	0	294	0	441	0	441
1302+00	100	81	0	298	0	739	0	739
1303+00	100	80	0	298	0	1037	0	1037
1304+00	100	83	0	302	0	1339	0	1339
1305+00	100	84	0	309	0	1648	0	1648
1306+00	100	80	0	304	0	1952	0	1952
1307+00	100	81	0	298	0	2250	0	2250
1308+00	100	79	0	296	0	2546	0	2546
1309+00	100	76	0	287	0	2833	0	2833
1310+00	100	76	0	281	0	3114	0	3114
1311+00	100	77	0	283	0	3397	0	3397
1312+00	100	79	0	289	0	3686	0	3686
1313+00	100	77	0	289	0	3975	0	3975
1314+00	100	78	0	287	0	4262	0	4262
1315+00	100	80	0	293	0	4555	0	4555
1316+00	100	83	0	302	0	4857	0	4857
1317+00	100	84	0	309	0	5166	0	5166
1318+00	100	82	0	307	0	5473	0	5473
1319+00	100	83	0	306	0	5779	0	5779
1320+00	100	82	0	306	0	6085	0	6085
1321+00	100	80	0	300	0	6385	0	6385
1322+00	100	81	0	298	0	6683	0	6683
1323+00	100	79	0	296	0	6979	0	6979
1324+00	100	81	0	296	0	7275	0	7275
1325+00	100	81	0	300	0	7575	0	7575
1326+00	100	87	0	311	0	7886	0	7886
1327+00	100	83	0	315	0	8201	0	8201
1328+00	100	81	0	304	0	8505	0	8505
1329+00	100	80	0	298	0	8803	0	8803
1330+00	100	80	0	296	0	9099	0	9099
1331+00	100	81	0	298	0	9397	0	9397
1332+00	100	82	0	302	0	9699	0	9699
1333+00	100	83	0	306	0	10005	0	10005
1334+00	100	84	0	309	0	10314	0	10314
1335+00	100	86	0	315	0	10629	0	10629
1336+00	100	84	0	315	0	10944	0	10944
1337+00	100	82	0	307	0	11251	0	11251
1338+00	100	81	0	302	0	11553	0	11553
1339+00	100	79	0	296	0	11849	0	11849
1340+00	100	78	0	291	0	12140	0	12140
1341+00	100	76	0	285	0	12425	0	12425
1342+00	100	72	0	274	0	12699	0	12699
1343+00	100	72	0	267	0	12966	0	12966
1344+00	100	73	0	269	0	13235	0	13235
1345+00	100	72	0	269	0	13504	0	13504
1345+81	81	74	0	219	0	13723	0	13723
1346+00	19	74	0	52	0	13775	0	13775
1346+71	71	76	0	197	0	13972	0	13972
1347+00	29	79	0	83	0	14055	0	14055
1347+61	61	84	0	184	0	14239	0	14239
1348+00	39	80	0	118	0	14357	0	14357
1348+24	24	78	0	70	0	14427	0	14427
1348+37	13	79	0	38	0	14465	0	14465
1348+64	27	71	0	75	0	14540	0	14540
1349+00	36	72	0	95	0	14635	0	14635
1349+38	38	73	0	102	0	14737	0	14737
1349+65	27	84	0	79	0	14816	0	14816
1350+00	35	86	0	110	0	14926	0	14926
1351+00	100	85	0	317	0	15243	0	15243
1352+00	100	87	0	319	0	15562	0	15562
1353+00	100	84	0	317	0	15879	0	15879
1354+00	100	82	0	307	0	16186	0	16186
1354+46	46	83	0	141	0	16327	0	16327
				16327	0			

STAGE 3A - USH 53 NB - STA 1362+39 TO STA 1375+47 - DIVISION 7

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
1362+39	0	77	0	0	0	0	0	0
1362+78	39	48	0	90	0	90	0	90
1363+00	22	50	0	40	0	130	0	130
1364+00	100	61	0	206	0	336	0	336
1365+00	100	73	0	248	0	584	0	584
1365+30	30	61	0	74	0	658	0	658
1365+36	6	58	0	13	0	671	0	671
1365+98	62	55	0	130	0	801	0	801
1366+00	2	55	0	4	0	805	0	805
1366+11	11	55	0	22	0	827	0	827
1367+00	89	55	1	181	2	1008	3	1005
1367+85	85	59	16	179	27	1187	38	1149
1368+00	15	59	21	33	10	1220	51	1169
1368+05	5	60	22	11	4	1231	56	1175
1368+30	25	59	2	55	11	1286	70	1216
1368+55	25	59	0	55	1	1341	71	1270
1369+00	45	60	2	99	2	1440	74	1366
1370+00	100	63	0	228	4	1668	79	1589
1371+00	100	63	9	233	17	1901	101	1800
1371+84	84	67	15	202	37	2103	149	1954
1372+00	16	70	8	41	7	2144	158	1986
1372+09	9	72	3	24	2	2168	161	2007
1372+34	25	78	0	69	1	2237	162	2075
1373+00	66	77	0	189	0	2426	162	2264
1374+00	100	74	0	280	0	2706	162	2544
1374+91	91	79	0	258	0	2964	162	2802
1375+00	9	81	0	27	0	2991	162	2829
1375+18	18	78	0	53	0	3044	162	2882
1375+30	12	60	0	31	0	3075	162	2913
1375+47	17	0	0	19	0	3094	162	2932
				3094	125			

STAGE 3A - USH 53 NB - STA 1377+05 TO STA 1395+01 - DIVISION 7

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
1377+05	0	0	0	0	0	0	0	0
1377+23	18	60	0	20	0	20	0	20
1377+36	13	73	0	32	0	52	0	52
1377+37	1	74	0	3	0	55	0	55
1377+63	26	82	0	75	0	130	0	130
1377+85	22	87	0	69	0	199	0	199
1378+00	15	84	0	48	0	247	0	247
1379+00	100	89	0	320	0	567	0	567
1379+53	53	96	0	182	0	749	0	749
1379+71	18	97	1	64	0	813	0	813
1379+78	7	97	1	25	0	838	0	838
1379+95	17	97	4	61	2	899	3	896
1380+00	5	97	5	18	1	917	4	913
1380+03	3	97	6	11	1	928	5	923
1380+20	17	96	9	61	5	989	12	977
1380+40	20	95	5	71	5	1060	19	1041
1380+43	3	94	5	11	1	1071	20	1051
1381+00	57	81	0	185	5	1256	27	1229
1381+47	47	86	0	145	0	1401	27	1374
1381+53	6	86	0	19	0	1420	27	1393
1382+00	47	87	0	151	0	1571	27	1544
1382+10	10	89	0	33	0	1604	27	1577
1383+00	90	80	0	282	0	1886	27	1859
1383+90	90	64	0	240	0	2126	27	2099
1384+00	10	72	0	25	0	2151	27	2124
1385+00	100	60	0	244	0	2395	27	2368
1386+00	100	68	0	237	0	2632	27	2605
1387+00	100	67	0	250	0	2882	27	2855
1388+00	100	66	0	246	0	3128	27	3101
1389+00	100	62	0	237	0	3365	27	3338
1389+14	14	61	0	32	0	3397	27	3370
1389+25	11	68	0	26	0	3423	27	3396
1390+00	75	59	0	176	0	3599	27	3572
1391+00	100	56	0	213	0	3812	27	3785
1392+00	100	52	0	200	0	4012	27	3985
1392+80	80	46	0	145	0	4157	27	4130
1393+00	20	85	0	49	0	4206	27	4179
1394+00	100	82	0	309	0	4515	27	4488
1395+00	100	80	0	300	0	4815	27	4788
1395+01	1	80	0	3	0	4818	27	4791
				4818	20			

STAGE 3A - USH 53 NB - STA 1401+52 TO STA 1499+13 - DIVISION 7

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
1401+52	0	65	0	0	0	0	0	0
1402+00	48	64	0	115	0	115	0	115
1402+03	3	64	0	7	0	122	0	122
1403+00	97	65	0	232	0	354	0	354
1404+00	100	64	0	239	0	593	0	593
1405+00	100	64	0	237	0	830	0	830
1406+00	100	67	0	243	0	1073	0	1073
1407+00	100	71	0	256	0	1329	0	1329
1407+45	45	68	0	116	0	1445	0	1445
1408+00	55	68	0	139	0	1584	0	1584
1408+35	35	59	0	82	0	1666	0	1666
1409+00	65	59	0	142	0	1808	0	1808
1409+09	9	59	0	20	0	1828	0	1828
1409+99	90	71	0	217	0	2045	0	2045
1410+00	1	71	0	3	0	2048	0	2048
1411+00	100	73	0	267	0	2315	0	2315
1412+00	100	70	0	265	0	2580	0	2580
1413+00	100	70	0	259	0	2839	0	2839
1414+00	100	68	0	256	0	3095	0	3095
1415+00	100	68	0	252	0	3347	0	3347
1416+00	100	76	0	267	0	3614	0	3614
1417+00	100	76	0	281	0	3895	0	3895
1418+00	100	75	0	280	0	4175	0	4175
1419+00	100	75	0	278	0	4453	0	4453
1420+00	100	79	0	285	0	4738	0	4738
1421+00	100	77	0	289	0	5027	0	5027
1422+00	100	74	0	280	0	5307	0	5307
1423+00	100	77	0	280	0	5587	0	5587
1424+00	100	78	0	287	0	5874	0	5874
1425+00	100	80	0	293	0	6167	0	6167
1426+00	100	78	0	293	0	6460	0	6460
1427+00	100	78	0	289	0	6749	0	6749
1428+00	100	79	0	291	0	7040	0	7040
1429+00	100	81	0	296	0	7336	0	7336
1430+00	100	81	0	300	0	7636	0	7636
1431+00	100	84	0	306	0	7942	0	7942
1432+00	100	83	0	309	0	8251	0	8251
1433+00	100	84	0	309	0	8560	0	8560
1434+00	100	81	0	306	0	8866	0	8866
1435+00	100	83	0	304	0	9170	0	9170
1436+00	100	81	0	304	0	9474	0	9474
1437+00	100	82	0	302	0	9776	0	9776
1438+00	100	82	0	304	0	10080	0	10080
1439+00	100	83	0	306	0	10386	0	10386
1440+00	100	84	0	309	0	10695	0	10695
1441+00	100	86	0	315	0	11010	0	11010
1442+00	100	85	0	317	0	11327	0	11327
1443+00	100	84	0	313	0	11640	0	11640
1444+00	100	83	0	309	0	11949	0	11949
1445+00	100	80	0	302	0	12251	0	12251
1446+00	100	82	0	300	0	12551	0	12551
1447+00	100	79	0	298	0	12849	0	12849
1447+57	57	77	0	165	0	13014	0	13014
1448+00	43	79	0	124	0	13138	0	13138
1448+47	47	81	0	139	0	13277	0	13277
1449+00	53	81	0	159	0	13436	0	13436
1449+37	37	82	0	112	0	13548	0	13548
1450+00	63	84	0	194	0	13742	0	13742
1450+27	27	84	0	84	0	13826	0	13826
1450+54	27	87	0	86	0	13912	0	13912
1451+00	46	83	0	145	0	14057	0	14057
1452+00	100	81	0	304	0	14361	0	14361
1453+00	100	81	0	300	0	14661	0	14661
1454+00	100	78	0	294	0	14955	0	14955
1455+00	100	79	0	291	0	15246	0	15246
1456+00	100	79	0	293	0	15539	0	15539
1457+00	100	82	0	298	0	15837	0	15837
1458+00	100	81	0	302	0	16139	0	16139

STAGE 3A - USH 53 NB - STA 1401+52 TO STA 1499+13 - DIVISION 7 CONT'D

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
1459+00	100	80	0	298	0	16437	0	16437
1460+00	100	81	0	298	0	16735	0	16735
1461+00	100	83	0	304	0	17039	0	17039
1462+00	100	83	0	307	0	17346	0	17346
1462+53	53	81	0	161	0	17507	0	17507
1463+00	47	82	0	142	0	17649	0	17649
1464+00	100	83	0	306	0	17955	0	17955
1464+03	3	83	0	9	0	17964	0	17964
1464+67	64	86	0	200	0	18164	0	18164
1464+79	12	86	0	38	0	18202	0	18202
1465+00	21	86	0	67	0	18269	0	18269
1465+36	36	86	0	115	0	18384	0	18384
1465+40	4	85	0	13	0	18397	0	18397
1465+58	18	83	0	56	0	18453	0	18453
1466+00	42	78	0	125	0	18578	0	18578
1466+15	15	75	0	43	0	18621	0	18621
1466+27	12	72	0	33	0	18654	0	18654
1466+90	63	73	0	169	0	18823	0	18823
1467+00	10	72	0	27	0	18850	0	18850
1468+00	100	72	0	267	0	19117	0	19117
1468+41	41	71	0	109	0	19226	0	19226
1469+00	59	71	0	155	0	19381	0	19381
1470+00	100	68	0	257	0	19638	0	19638
1471+00	100	68	0	252	0	19890	0	19890
1472+00	100	73	0	261	0	20151	0	20151
1472+20	20	75	0	55	0	20206	0	20206
1472+47	27	75	0	75	0	20281	0	20281
1473+00	53	74	0	146	0	20427	0	20427
1473+37	37	72	0	100	0	20527	0	20527
1474+00	63	73	0	169	0	20696	0	20696
1474+27	27	74	0	74	0	20770	0	20770
1475+00	73	72	0	197	0	20967	0	20967
1475+17	17	71	0	45	0	21012	0	21012
1476+00	83	79	0	231	0	21243	0	21243
1477+00	100	80	0	294	0	21537	0	21537
1478+00	100	79	0	294	0	21831	0	21831
1479+00	100	80	0	294	0	22125	0	22125
1480+00	100	82	0	300	0	22425	0	22425
1481+00	100	82	0	304	0	22729	0	22729
1482+00	100	76	0	293	0	23022	0	23022
1482+27	27	74	0	75	0	23097	0	23097
1483+00	73	69	0	193	0	23290	0	23290
1483+17	17	61	0	41	0	23331	0	23331
1483+91	74	60	0	166	0	23497	0	23497
1484+00	9	70	0	22	0	23519	0	23519
1484+81	81	68	0	207	0	23726	0	23726
1485+00	19	68	0	48	0	23774	0	23774
1486+00	100	68	0	252	0	24026	0	24026
1487+00	100	67	0	250	0	24276	0	24276
1488+00	100	68	0	250	0	24526	0	24526
1489+00	100	71	0	257	0	24783	0	24783
1490+00	100	75	0	270	0	25053	0	25053
1491+00	100	75	0	278	0	25331	0	25331
1492+00	100	76	0	280	0	25611	0	25611
1493+00	100	74	0	278	0	25889	0	25889
1494+00	100	75	0	276	0	26165	0	26165
1494+04	4	75	0	11	0	26176	0	26176
1494+18	14	76	0	39	0	26215	0	26215
1495+00	82	78	0	234	0	26449	0	26449
1495+28	28	78	0	81	0	26530	0	26530
1496+00	72	79	0	209	0	26739	0	26739
1497+00	100	83	0	300	0	27039	0	27039
1498+00	100	87	0	315	0	27354	0	27354
1498+70	70	84	0	222	0	27576	0	27576
1499+00	30	83	0	93	0	27669	0	27669
1499+13	13	84	0	40	0	27709	0	27709
				27709	0			

STAGE 3A - USH 53 NB - STA 1503+23 TO STA 1538+00 - DIVISION 7

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
1503+23	0	81	0	0	0	0	0	0
1503+31	8	80	0	24	0	24	0	24
1504+00	69	81	0	206	0	230	0	230
1505+00	100	83	0	304	0	534	0	534
1506+00	100	84	0	309	0	843	0	843
1507+00	100	87	0	317	0	1160	0	1160
1507+47	47	92	0	156	0	1316	0	1316
1508+00	53	90	0	179	0	1495	0	1495
1508+97	97	89	0	322	0	1817	0	1817
1509+00	3	89	0	10	0	1827	0	1827
1509+61	61	89	0	201	0	2028	0	2028
1509+73	12	89	0	40	0	2068	0	2068
1510+00	27	88	0	89	0	2157	0	2157
1510+32	32	88	0	104	0	2261	0	2261
1510+78	46	88	0	150	0	2411	0	2411
1511+00	22	89	0	72	0	2483	0	2483
1511+36	36	89	0	119	0	2602	0	2602
1511+48	12	89	0	40	0	2642	0	2642
1512+00	52	90	0	172	0	2814	0	2814
1512+12	12	89	0	40	0	2854	0	2854
1513+00	88	85	0	284	0	3138	0	3138
1513+62	62	84	0	194	0	3332	0	3332
1514+00	38	79	0	115	0	3447	0	3447
1515+00	100	79	0	293	0	3740	0	3740
1516+00	100	79	0	293	0	4033	0	4033
1517+00	100	77	0	289	0	4322	0	4322
1517+22	22	75	0	62	0	4384	0	4384
1517+88	66	74	0	182	0	4566	0	4566
1518+00	12	72	0	32	0	4598	0	4598
1518+12	12	70	0	32	0	4630	0	4630
1518+26	14	67	0	36	0	4666	0	4666
1518+29	3	66	0	7	0	4673	0	4673
1519+00	71	57	0	162	0	4835	0	4835
1519+02	2	57	0	4	0	4839	0	4839
1520+00	98	54	0	201	0	5040	0	5040
1520+59	59	83	0	150	0	5190	0	5190
1520+62	3	83	0	9	0	5199	0	5199
1521+00	38	88	0	120	0	5319	0	5319
1522+00	100	89	0	328	0	5647	0	5647
1523+00	100	79	0	311	0	5958	0	5958
1524+00	100	72	0	280	0	6238	0	6238
1525+00	100	71	0	265	0	6503	0	6503
1526+00	100	72	0	265	0	6768	0	6768
1527+00	100	68	0	259	0	7027	0	7027
1528+00	100	68	0	252	0	7279	0	7279
1529+00	100	64	0	244	0	7523	0	7523
1530+00	100	65	0	239	0	7762	0	7762
1530+16	16	66	0	39	0	7801	0	7801
1531+00	84	69	0	210	0	8011	0	8011
1532+00	100	72	0	261	0	8272	0	8272
1533+00	100	77	0	276	0	8548	0	8548
1534+00	100	71	0	274	0	8822	0	8822
1534+18	18	69	0	47	0	8869	0	8869
1535+00	82	66	0	205	0	9074	0	9074
1535+08	8	54	0	18	0	9092	0	9092
1535+82	74	57	0	152	0	9244	0	9244
1536+00	18	73	0	43	0	9287	0	9287
1536+72	72	68	0	188	0	9475	0	9475
1537+00	28	66	0	69	0	9544	0	9544
1538+00	100	64	0	241	0	9785	0	9785
				9785	0			

STAGE 3A - TEMP CROSSOVER - USH 53 NB/CTH S EXIT - STA 64+64'SA2' TO STA 66+58'SA2' - DIVISION 7

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
64+64	0	0	47	0	0	0	0	0
64+75	11	0	41	0	18	0	23	-23
65+00	25	7	32	3	34	3	67	-64
65+13	13	13	30	5	15	8	87	-79
66+00	87	11	11	39	66	47	173	-126
66+26	26	11	2	11	6	58	181	-123
66+58	32	11	3	13	3	71	185	-114
				71	142			

STAGE 3A - TEMP CROSSOVER - USH 53 NB/CTH S EXIT GORE - STA 66+90'SA2' TO STA 70+63'SA2' - DIVISION 7

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
66+90	0	25	0	0	0	0	0	0
67+00	10	26	0	9	0	9	0	9
68+00	100	44	0	130	0	139	0	139
68+12	12	34	0	17	0	156	0	156
68+20	8	22	0	8	0	164	0	164
69+00	80	9	4	46	6	210	8	202
69+80	80	9	3	27	10	237	21	216
70+00	20	9	1	7	1	244	22	222
70+63	63	9	0	21	1	265	23	242
				265	18			

STAGE 3A - TEMP CROSSOVER - USH 53 NB/CTH S ENTRANCE - STA 15+90'SB2' TO STA 18+92'SB2' - DIVISION 7

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
15+90	0	10	2	0	0	0	0	0
16+00	10	10	2	4	1	4	1	3
16+42	42	10	4	16	5	20	8	12
17+00	58	11	36	23	43	43	64	-21
18+00	100	11	86	41	226	84	358	-274
18+28	28	11	100	11	96	95	483	-388
18+92	64	10	107	25	245	120	802	-682
				120	616			

STAGE 3A - TEMP CROSSOVER - USH 53 NB/CTH B EXIT - STA 62+93'BA2' TO STA 64+95'BA2' - DIVISION 1

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
62+93	0	1	18	0	0	0	0	0
63+00	7	2	18	0	5	0	7	-7
63+23	23	15	16	7	14	7	25	-18
64+00	77	16	8	44	34	51	69	-18
64+61	61	15	0	35	9	86	81	5
64+95	34	15	0	19	0	105	81	24
				105	62			

STAGE 3A - TEMP CROSSOVER - USH 53 NB/CTH B EXIT GORE - STA 65+25'BA2' TO STA 71+21'BA2' - DIVISION 7

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
65+25	0	23	0	0	0	0	0	0
66+00	75	50	0	101	0	101	0	101
66+52	52	68	0	114	0	215	0	215
67+00	48	28	0	85	0	300	0	300
68+00	100	14	19	78	35	378	46	332
68+91	91	15	1	49	34	427	90	337
69+00	9	15	0	5	0	432	90	342
70+00	100	15	0	56	0	488	90	398
71+00	100	14	0	54	0	542	90	452
71+21	21	14	0	11	0	553	90	463
				553	69			

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PROJECT NO: 1190-08-79 | HWY: USH 53 | COUNTY: CHIPPEWA | EARTHWORK DATA | SHEET 571 | E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090101-EW.DWG
LAYOUT NAME - 13

PLOT DATE : 10/2/2023 10:02 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 42

STAGE 3B - USH 53 NB - STA 1354+46 TO STA 1362+39 - DIVISION 8

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
1354+46	0	82	0	0	0	0	0	0
1355+00	54	83	0	165	0	165	0	165
1356+00	100	80	0	302	0	467	0	467
1356+12	12	79	0	35	0	502	0	502
1357+00	88	74	0	249	0	751	0	751
1357+12	12	74	0	33	0	784	0	784
1358+00	88	73	0	240	0	1024	0	1024
1359+00	100	72	0	269	0	1293	0	1293
1360+00	100	66	0	256	0	1549	0	1549
1360+16	16	66	0	39	0	1588	0	1588
1360+54	38	65	0	92	0	1680	0	1680
1361+00	46	70	0	115	0	1795	0	1795
1361+10	10	71	0	26	0	1821	0	1821
1361+66	56	76	0	152	0	1973	0	1973
1362+00	34	77	0	96	0	2069	0	2069
1362+39	39	77	0	111	0	2180	0	2180
				2180	0			

STAGE 3B - USH 53 NB - STA 1395+01 TO STA 1401+51 - DIVISION 8

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
1395+01	0	80	0	0	0	0	0	0
1396+00	99	76	0	286	0	286	0	286
1397+00	100	72	0	274	0	560	0	560
1398+00	100	71	0	265	0	825	0	825
1399+00	100	69	0	259	0	1084	0	1084
1400+00	100	67	0	252	0	1336	0	1336
1400+78	78	65	0	191	0	1527	0	1527
1401+00	22	65	0	53	0	1580	0	1580
1401+51	51	64	0	121	0	1701	0	1701
				1701	0			

STAGE 3B - USH 53 NB - STA 1499+13 TO STA 1503+23 - DIVISION 8

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
1499+13	0	83	0	0	0	0	0	0
1499+23	10	84	0	31	0	31	0	31
1499+77	54	91	0	175	0	206	0	206
1500+00	23	92	0	78	0	284	0	284
1500+50	50	94	0	172	0	456	0	456
1501+00	50	61	0	144	0	600	0	600
1501+51	51	70	0	124	0	724	0	724
1501+91	40	76	0	108	0	832	0	832
1501+97	6	77	0	17	0	849	0	849
1502+00	3	77	0	9	0	858	0	858
1502+41	41	79	0	118	0	976	0	976
1503+00	59	81	0	175	0	1151	0	1151
1503+23	23	80	0	69	0	1220	0	1220
				1220	0			

STAGE 4A - TEMP CROSSOVER - MID 2/3 - STA 1286+57 TO STA 1309+97 - DIVISION 9

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
1286+57	0	12	1	0	0	0	0	0
1287+00	43	12	1	19	2	19	3	16
1288+00	100	12	2	44	6	63	11	52
1289+00	100	12	3	44	9	107	23	84
1290+00	100	12	7	44	19	151	48	103
1291+00	100	12	10	44	31	195	88	107
1292+00	100	12	10	44	37	239	136	103
1293+00	100	12	11	44	39	283	187	96
1294+00	100	12	18	44	54	327	257	70
1295+00	100	12	24	44	78	371	358	13
1296+00	100	12	29	44	98	415	485	-70
1296+77	77	12	34	34	90	449	602	-153
1297+00	23	28	41	17	32	466	644	-178
1297+57	57	27	37	58	82	524	751	-227
1299+00	143	28	34	146	188	670	995	-325
1299+76	76	14	27	59	86	729	1107	-378
1300+00	24	13	28	12	24	741	1138	-397
1301+00	100	12	25	46	98	787	1265	-478
1301+91	91	13	12	42	62	829	1346	-517
1302+00	9	13	12	4	4	833	1351	-518
1303+00	100	12	10	46	41	879	1404	-525
1304+00	100	12	10	44	37	923	1452	-529
1305+00	100	12	6	44	30	967	1491	-524
1306+00	100	11	6	43	22	1010	1520	-510
1307+00	100	12	3	43	17	1053	1542	-489
1308+00	100	12	1	44	7	1097	1551	-454
1309+00	100	12	1	44	4	1141	1556	-415
1309+97	97	11	1	41	4	1182	1561	-379
				1182	1201			

STAGE 5 - USH 53 NB - STA 1132+14 TO STA 1210+76 - DIVISION 11

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
1132+14	0	7	2	0	0	0	0	0
1132+50	36	22	4	19	4	19	5	14
1132+68	18	23	7	15	4	34	10	24
1132+77	9	74	5	16	2	50	13	37
1132+93	16	79	2	45	2	95	16	79
1133+00	7	78	3	20	1	115	17	98
1133+18	18	76	2	51	2	166	20	146
1133+24	6	76	2	17	0	183	20	163
1134+00	76	75	1	213	4	396	25	371
1134+73	73	77	0	205	1	601	26	575
1135+00	27	84	0	81	0	682	26	656
1135+13	13	89	0	42	0	724	26	698
1135+37	24	92	0	80	0	804	26	778
1135+49	12	91	0	41	0	845	26	819
1136+00	51	88	0	169	0	1014	26	988
1136+12	12	87	0	39	0	1053	26	1027
1136+26	14	88	0	45	0	1098	26	1072
1136+49	23	86	0	74	0	1172	26	1146
1136+51	2	85	0	6	0	1178	26	1152
1136+77	26	82	3	80	1	1258	27	1231
1136+97	20	82	4	61	3	1319	31	1288
1137+00	3	82	4	9	0	1328	31	1297
1137+11	11	81	4	33	2	1361	34	1327
1137+23	12	81	4	36	2	1397	37	1360
1137+86	63	80	1	188	6	1585	45	1540
1138+00	14	80	0	41	0	1626	45	1581
1138+11	11	80	0	33	0	1659	45	1614
1139+00	89	83	0	269	0	1928	45	1883
1139+37	37	84	0	114	0	2042	45	1997
1140+00	63	86	0	198	0	2240	45	2195
1141+00	100	87	0	320	0	2560	45	2515
1142+00	100	86	0	320	0	2880	45	2835
1142+09	9	78	0	27	0	2907	45	2862
1142+82	73	79	0	212	0	3119	45	3074
1143+00	18	87	0	55	0	3174	45	3129
1144+00	100	89	0	326	0	3500	45	3455
1145+00	100	92	2	335	4	3835	50	3785
1146+00	100	91	2	339	7	4174	59	4115
1147+00	100	90	2	335	7	4509	68	4441
1148+00	100	86	2	326	7	4835	77	4758
1149+00	100	83	2	313	7	5148	86	5062
1150+00	100	82	1	306	6	5454	94	5360
1151+00	100	83	1	306	4	5760	99	5661
1152+00	100	83	0	307	2	6067	102	5965
1153+00	100	81	3	304	6	6371	110	6261
1154+00	100	80	0	298	6	6669	118	6551
1155+00	100	85	1	306	2	6975	121	6854
1156+00	100	86	0	317	2	7292	124	7168
1157+00	100	86	0	319	0	7611	124	7487
1157+64	64	85	0	203	0	7814	124	7690
1158+00	36	87	0	115	0	7929	124	7805
1158+79	79	89	0	257	0	8186	124	8062
1158+99	20	89	0	66	0	8252	124	8128
1159+00	1	89	0	3	0	8255	124	8131
1159+24	24	88	0	79	0	8334	124	8210
1159+49	25	86	0	81	0	8415	124	8291
1159+90	41	89	0	133	0	8548	124	8424
1160+00	10	88	0	33	0	8581	124	8457
1160+56	56	79	0	173	0	8754	124	8630
1161+00	44	80	0	130	0	8884	124	8760
1161+46	46	80	0	136	0	9020	124	8896
1162+00	54	80	0	160	0	9180	124	9056
1162+36	36	79	0	106	0	9286	124	9162
1163+00	64	85	0	194	0	9480	124	9356
1164+00	100	93	0	330	0	9810	124	9686
1165+00	100	88	0	335	0	10145	124	10021
1166+00	100	88	0	326	0	10471	124	10347
1167+00	100	90	0	330	0	10801	124	10677
1167+92	92	91	36	308	61	11109	203	10906
1168+00	8	91	32	27	10	11136	216	10920
1168+18	18	91	15	61	16	11197	237	10960
1168+43	25	91	9	84	11	11281	251	11030
1168+68	25	91	20	84	13	11365	268	11097
1168+88	20	91	10	67	11	11432	282	11150
1169+00	12	92	6	41	4	11473	287	11186
1170+00	100	93	0	343	11	11816	301	11515
1170+02	2	93	0	7	0	11823	301	11522
1171+00	98	93	0	338	0	12161	301	11860

STAGE 5 - USH 53 NB - STA 1132+14 TO STA 1210+76 - DIVISION 11 CONT'D

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
1172+00	100	88	0	335	0	12496	301	12195
1173+00	100	83	0	317	0	12813	301	12512
1174+00	100	81	0	304	0	13117	301	12816
1175+00	100	79	0	296	0	13413	301	13112
1176+00	100	77	0	289	0	13702	301	13401
1177+00	100	79	0	289	0	13991	301	13690
1178+00	100	81	0	296	0	14287	301	13986
1179+00	100	83	0	304	0	14591	301	14290
1180+00	100	81	0	304	0	14895	301	14594
1181+00	100	78	0	294	0	15189	301	14888
1182+00	100	78	0	289	0	15478	301	15177
1183+00	100	80	0	293	0	15771	301	15470
1184+00	100	80	0	296	0	16067	301	15766
1184+44	44	80	0	130	0	16197	301	15896
1185+00	56	82	2	168	2	16365	304	16061
1185+58	58	81	5	175	8	16540	314	16226
1185+78	20	81	8	60	5	16600	321	16279
1186+00	22	81	2	66	4	16666	326	16340
1186+03	3	80	2	9	0	16675	326	16349
1186+28	25	80	0	74	1	16749	327	16422
1187+00	72	77	0	209	0	16958	327	16631
1187+50	50	75	0	141	0	17099	327	16772
1188+00	50	82	0	145	0	17244	327	16917
1188+14	14	82	0	43	0	17287	327	16960
1188+26	12	81	0	36	0	17323	327	16996
1188+77	51	80	0	152	0	17475	327	17148
1189+00	23	78	0	67	0	17542	327	17215
1189+12	12	78	0	35	0	17577	327	17250
1189+21	9	80	0	26	0	17603	327	17276
1189+46	25	79	0	74	0	17677	327	17350
1189+63	17	81	3	50	1	17727	328	17399
1189+71	8	81	4	24	1	17751	329	17422
1189+76	5	81	4	15	1	17766	330	17436
1189+91	15	82	3	45	2	17811	333	17478
1190+00	9	82	3	27	1	17838	334	17504
1190+39	39	80	0	117	2	17955	337	17618
1191+00	61	77	0	177	0	18132	337	17795
1191+89	89	78	0	255	0	18387	337	18050
1192+00	11	78	0	32	0	18419	337	18082
1193+00	100	78	0	289	0	18708	337	18371
1194+00	100	78	0	289	0	18997	337	18660
1195+00	100	77	0	287	0	19284	337	18947
1196+00	100	77	0	285	0	19569	337	19232
1197+00	100	80	0	291	0	19860	337	19523
1198+00	100	82	0	300	0	20160	337	19823
1199+00	100	81	0	302	0	20462	337	20125
1200+00	100	79	0	296	0	20758	337	20421
1201+00	100	78	0	291	0	21049	337	20712
1202+00	100	79	0	291	0	21340	337	21003
1203+00	100	78	0	291	0	21631	337	21294
1204+00	100	77	0	287	0	21918	337	21581
1204+88	88	76	0	249	0	22167	337	21830
1205+00	12	76	0	34	0	22201	337	21864
1205+78	78	68	0	208	0	22409	337	22072
1206+00	22	68	0	55	0	22464	337	22127
1206+34	34	68	0	86	0	22550	337	22213
1206+52	18	68	0	45	0	22595	337	22258
1206+82	30	78	2	81	1	22676	338	22338
1207+00	18	79	3	52	2	22728	341	22387
1207+22	22	80	6	65	4	22793	346	22447
1207+42	20	80	8	59	5	22852	353	22499
1207+47	5	80	8	15	1	22867	354	22513
1207+58	11	81	9	33	3	22900	358	22542
1207+68	10	80	11	30	4	22930	363	22567
1207+72	4	80	10	12	2	22942	366	22576
1207+93	21	78	5	61	6	23003	374	22629
1208+00	7	78	4	20	1	23023	375	22648
1208+18	18	77	3	52	2	23075	378	22697
1209+00	82	75	0	231	5	23306	385	22921
1209+81	81	74	0	224	0	23530	385	23145
1210+00	19	74	0	52	0	23582	385	23197
1210+57	57	73	0	155	0	23737	385	23352
1210+71	14	64	0	36	0	23773	385	23388
1210+76	5	0	0	6	0	23779	385	23394
				23779	295			

STAGE 5 - USH 53 NB - STA 1217+14 TO STA 1221+06 - DIVISION 11

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
1217+14	0	0	0	0	0	0	0	0
1217+18	55	55	0	56	0	56	0	56
1217+32	72	72	0	169	0	225	0	225
1218+00	64	64	0	160	0	385	0	385
1218+16	63	63	0	148	0	533	0	533
1219+00	61	61	0	141	0	674	0	674
1220+00	64	64	0	147	0	821	0	821
1220+90	78	78	2	205	3	1026	4	1022
1221+00	59	59	0	150	2	1176	7	1169
1221+05	57	57	0	123	0	1299	7	1292
1221+06	57	0	0	60	0	1359	7	1352
				1359	5			

STAGE 5 - USH 53 NB - STA 1222+74 TO STA 1231+44 - DIVISION 11

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
1222+74	0	0	0	0	0	0	0	0
1222+75	1	54	0	1	0	1	0	1
1222+90	15	84	0	38	0	39	0	39
1223+00	10	81	4	31	1	70	1	69
1223+11	11	81	5	33	2	103	4	99
1223+28	17	83	6	52	3	155	8	147
1223+75	47	88	9	149	13	304	25	279
1223+80	5	57	0	13	1	317	26	291
1224+00	20	57	0	42	0	359	26	333
1224+75	75	55	0	156	0	515	26	489
1224+81	6	55	0	12	0	527	26	501
1224+87	6	65	0	13	0	540	26	514
1225+00	13	65	0	31	0	571	26	545
1225+25	25	64	2	60	1	631	27	604
1225+65	40	68	0	98	1	729	28	701
1226+00	35	71	0	90	0	819	28	791
1226+28	28	72	0	74	0	893	28	865
1226+77	49	69	0	128	0	1021	28	993
1227+00	23	68	0	58	0	1079	28	1051
1227+41	41	66	0	102	0	1181	28	1153
1227+81	40	65	1	97	1	1278	29	1249
1228+00	19	66	0	46	0	1324	29	1295
1228+06	6	67	0	15	0	1339	29	1310
1228+31	25	67	0	62	0	1401	29	1372
1229+00	69	63	0	166	0	1567	29	1538
1230+00	100	63	0	233	0	1800	29	1771
1230+32	32	61	0	73	0	1873	29	1844
1230+35	3	54	0	6	0	1879	29	1850
1230+39	4	54	0	8	0	1887	29	1858
1231+00	61	60	0	129	0	2016	29	1987
1231+29	29	64	0	67	0	2083	29	2054
1231+44	15	0	0	0	0	2083	29	2054
				2083	23			

STAGE 5 - USH 53 NB - STA 1233+90 TO STA 1299+50 - DIVISION 11

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
1233+90	0	67	0	0	0	0	0	0
1234+00	10	69	0	25	0	25	0	25
1234+05	5	89	0	15	0	40	0	40
1234+95	90	86	0	292	0	332	0	332
1235+00	5	85	0	16	0	348	0	348
1235+93	93	79	1	282	2	630	3	627
1236+00	7	78	2	20	0	650	3	647
1236+18	18	76	3	51	2	701	6	695
1236+43	25	75	5	70	4	771	11	760
1236+83	40	73	2	110	5	881	18	863
1237+00	17	71	1	45	1	926	19	907
1237+61	61	72	0	162	1	1088	20	1068
1238+00	39	71	0	103	0	1191	20	1171
1239+00	100	70	0	261	0	1452	20	1432
1240+00	100	73	0	265	0	1717	20	1697
1241+00	100	79	1	281	2	1998	23	1975
1241+55	55	80	0	162	1	2160	24	2136
1242+00	45	80	0	133	0	2293	24	2269
1242+45	45	64	0	120	0	2413	24	2389
1243+00	55	64	0	130	0	2543	24	2519
1243+19	19	64	0	45	0	2588	24	2564
1244+00	81	76	0	210	0	2798	24	2774
1244+09	9	75	0	25	0	2823	24	2799
1245+00	91	78	0	258	0	3081	24	3057
1245+15	15	77	0	43	0	3124	24	3100
1245+40	25	77	1	71	0	3195	24	3171
1245+65	25	77	5	71	3	3266	28	3238
1245+95	30	77	3	86	4	3352	33	3319
1246+00	5	77	3	14	1	3366	34	3332
1247+00	100	75	0	281	6	3647	42	3605
1247+22	22	74	0	61	0	3708	42	3666
1248+00	78	80	0	222	0	3930	42	3888
1248+12	12	80	0	36	0	3966	42	3924
1249+00	88	83	0	266	0	4232	42	4190
1249+02	2	83	0	6	0	4238	42	4196
1250+00	98	76	0	289	0	4527	42	4485
1251+00	100	74	0	278	0	4805	42	4763
1252+00	100	75	0	276	0	5081	42	5039
1253+00	100	76	0	280	0	5361	42	5319
1254+00	100	75	0	280	0	5641	42	5599
1255+00	100	75	0	278	0	5919	42	5877
1256+00	100	73	0	274	0	6193	42	6151
1257+00	100	77	0	278	0	6471	42	6429
1258+00	100	76	0	283	0	6754	42	6712
1259+00	100	75	0	280	0	7034	42	6992
1260+00	100	80	0	287	0	7321	42	7279
1260+09	9	80	0	27	0	7348	42	7306
1260+99	90	75	0	258	0	7606	42	7564
1261+00	1	75	0	3	0	7609	42	7567
1261+89	89	66	0	232	0	7841	42	7799
1262+00	11	66	0	27	0	7868	42	7826
1263+00	100	74	0	259	0	8127	42	8085
1264+00	100	78	0	281	0	8408	42	8366
1265+00	100	75	0	283	0	8691	42	8649
1266+00	100	74	0	276	0	8967	42	8925
1267+00	100	72	0	270	0	9237	42	9195
1268+00	100	71	0	265	0	9502	42	9460
1269+00	100	71	0	263	0	9765	42	9723
1270+00	100	69	0	259	0	10024	42	9982
1271+00	100	68	0	254	0	10278	42	10236
1272+00	100	68	0	252	0	10530	42	10488
1273+00	100	70	0	256	0	10786	42	10744

STAGE 5 - USH 53 NB - STA 1233+90 TO STA 1299+50 - DIVISION 11

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
1274+00	100	71	0	261	0	11047	42	11005
1275+00	100	72	0	265	0	11312	42	11270
1276+00	100	75	0	272	0	11584	42	11542
1277+00	100	75	0	278	0	11862	42	11820
1278+00	100	77	0	281	0	12143	42	12101
1279+00	100	78	0	287	0	12430	42	12388
1279+05	5	77	0	14	0	12444	42	12402
1280+00	95	79	0	274	0	12718	42	12676
1280+55	55	83	0	165	0	12883	42	12841
1281+00	45	85	0	140	0	13023	42	12981
1281+19	19	85	0	60	0	13083	42	13041
1281+31	12	85	0	38	0	13121	42	13079
1281+92	61	80	0	186	0	13307	42	13265
1282+00	8	79	0	24	0	13331	42	13289
1282+33	33	80	0	97	0	13428	42	13386
1282+93	60	87	0	186	0	13614	42	13572
1283+00	7	87	0	23	0	13637	42	13595
1283+05	5	88	0	16	0	13653	42	13611
1283+43	38	88	0	124	0	13777	42	13735
1283+50	7	87	1	23	0	13800	42	13758
1283+69	19	87	0	61	0	13861	42	13819
1284+00	31	89	0	101	0	13962	42	13920
1285+00	100	82	0	317	0	14279	42	14237
1285+19	19	81	0	57	0	14336	42	14294
1286+00	81	80	0	242	0	14578	42	14536
1287+00	100	78	0	293	0	14871	42	14829
1288+00	100	77	0	287	0	15158	42	15116
1289+00	100	78	0	287	0	15445	42	15403
1290+00	100	79	0	291	0	15736	42	15694
1291+00	100	79	0	293	0	16029	42	15987
1292+00	100	77	0	289	0	16318	42	16276
1293+00	100	77	0	285	0	16603	42	16561
1294+00	100	79	0	289	0	16892	42	16850
1295+00	100	79	0	293	0	17185	42	17143
1296+00	100	81	0	296	0	17481	42	17439
1297+00	100	82	0	302	0	17783	42	17741
1298+00	100	80	0	300	0	18083	42	18041
1299+00	100	79	0	294	0	18377	42	18335
1299+50	50	80	0	148	0	18525	42	18483
				18525	32			

STAGE 6A - USH 53 NB/BUS 29 EXIT - STA 1223+74'XA' TO STA 1233+97'XA' - DIVISION 12

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
1223+74	0	31	10	0	0	0	0	0
1224+00	26	31	9	30	9	30	12	18
1224+12	12	31	9	14	4	44	17	27
1224+24	12	33	9	14	4	58	22	36
1224+77	53	50	6	81	15	139	42	97
1224+82	5	39	7	8	1	147	43	104
1225+00	18	42	6	27	4	174	48	126
1225+14	14	46	5	23	3	197	52	145
1226+00	86	36	1	131	10	328	65	263
1227+00	100	44	4	148	9	476	77	399
1227+16	16	44	3	26	2	502	80	422
1227+66	50	41	5	79	7	581	89	492
1228+00	34	44	5	54	6	635	97	538
1228+30	30	43	7	48	7	683	106	577
1229+00	70	38	3	105	13	788	123	665
1230+00	100	36	2	137	9	925	135	790
1230+15	15	33	2	19	1	944	136	808
1231+00	85	38	0	112	3	1056	140	916
1231+18	18	35	0	24	0	1080	140	940
1231+87	69	42	1	98	1	1178	141	1037
1231+93	6	42	1	9	0	1187	141	1046
1232+00	7	42	1	11	0	1198	141	1057
1232+32	32	44	1	51	1	1249	142	1107
1232+46	14	42	1	22	1	1271	143	1128
1232+65	19	42	3	30	1	1301	144	1157
1232+91	26	42	2	40	2	1341	147	1194
1233+00	9	40	3	14	1	1355	148	1207
1233+15	15	40	1	22	1	1377	149	1228
1233+36	21	45	2	33	1	1410	150	1260
1233+48	12	52	2	22	1	1432	151	1281
1233+71	23	105	4	67	3	1499	155	1344
1233+76	5	119	10	21	1	1520	156	1364
1233+85	9	91	0	35	2	1555	159	1396
1233+87	2	58	0	6	0	1561	159	1402
1233+97	10	0	0	11	0	1572	159	1413
				1572	123			

STAGE 6A - USH 53 NB/BUS 29 ENTRANCE - STA 1220+27'XB' TO STA 1231+43'XB' - DIVISION 12

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
1220+27	0	155	0	0	0	0	0	0
1220+43	16	180	0	99	0	99	0	99
1220+50	7	103	5	37	1	136	1	135
1220+56	6	89	0	21	1	157	2	155
1220+66	10	74	0	30	0	187	2	185
1220+91	25	58	0	61	0	248	2	246
1221+00	9	58	1	19	0	267	2	265
1221+46	46	61	0	101	1	368	3	365
1221+82	36	48	0	73	0	441	3	438
1222+00	18	44	1	31	0	472	3	469
1222+18	18	40	1	28	1	500	4	496
1222+36	18	51	0	30	0	530	4	526
1222+54	18	45	0	32	0	562	4	558
1223+00	46	43	0	75	0	637	4	633
1223+27	27	44	0	44	0	681	4	677
1224+00	73	46	0	122	0	803	4	799
1224+18	18	42	0	29	0	832	4	828
1224+97	79	47	0	130	0	962	4	958
1225+00	3	47	0	5	0	967	4	963
1225+69	69	50	0	124	0	1091	4	1087
1225+91	22	55	0	43	0	1134	4	1130
1226+00	9	42	1	16	0	1150	4	1146
1226+06	6	42	1	9	0	1159	4	1155
1226+42	36	40	4	55	3	1214	8	1206
1226+45	3	40	4	4	0	1218	8	1210
1226+63	18	49	0	30	1	1248	9	1239
1226+70	7	50	0	13	0	1261	9	1252
1226+78	8	50	0	15	0	1276	9	1267
1226+93	15	47	7	27	2	1303	12	1291
1227+00	7	45	3	12	1	1315	13	1302
1227+28	28	41	0	45	2	1360	16	1344
1227+86	58	64	0	113	0	1473	16	1457
1228+00	14	59	1	32	0	1505	16	1489
1228+17	17	49	9	34	3	1539	20	1519
1228+42	25	45	72	44	38	1583	69	1514
1228+67	25	44	75	41	68	1624	157	1467
1229+00	33	43	78	53	94	1677	279	1398
1230+00	100	34	80	143	293	1820	660	1160
1230+30	30	32	4	37	47	1857	721	1136
1230+36	6	32	3	7	1	1864	722	1142
1230+38	2	42	3	3	0	1867	722	1145
1230+52	14	39	2	21	1	1888	723	1165
1231+00	48	33	2	64	4	1952	728	1224
1231+43	43	19	0	41	2	1993	731	1262
				1993	564			

STAGE 6A - USH 53 SB/BUS 29 EXIT - STA 2167+32'XC' TO STA 2177+90'XC' - DIVISION 12

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2167+32	0	0	0	0	0	0	0	0
2167+42	10	46	0	9	0	9	0	9
2167+47	5	70	0	11	0	20	0	20
2167+59	12	182	0	56	0	76	0	76
2167+74	15	118	0	83	0	159	0	159
2168+00	26	71	0	91	0	250	0	250
2168+08	8	62	0	20	0	270	0	270
2168+26	18	52	0	38	0	308	0	308
2168+58	32	44	0	57	0	365	0	365
2169+00	42	39	0	65	0	430	0	430
2169+06	6	39	0	9	0	439	0	439
2169+42	36	42	0	54	0	493	0	493
2169+51	9	42	0	14	0	507	0	507
2169+78	27	37	0	40	0	547	0	547
2170+00	22	37	0	30	0	577	0	577
2170+15	15	36	0	20	0	597	0	597
2170+87	72	36	0	96	0	693	0	693
2171+00	13	36	0	17	0	710	0	710
2171+18	18	36	0	24	0	734	0	734
2172+00	82	37	0	111	0	845	0	845
2172+40	40	37	0	55	0	900	0	900
2173+00	60	37	0	82	0	982	0	982
2173+12	12	38	0	17	0	999	0	999
2173+49	37	35	0	50	0	1049	0	1049
2173+85	36	43	2	52	1	1101	1	1100
2174+00	15	44	3	24	1	1125	2	1123
2174+21	21	45	0	35	1	1160	3	1157
2174+37	16	45	0	27	0	1187	3	1184
2174+72	35	44	0	58	0	1245	3	1242
2174+95	23	36	3	34	1	1279	4	1275
2175+00	5	37	3	7	1	1286	5	1281
2175+41	41	38	0	57	2	1343	8	1335
2176+00	59	40	1	85	1	1428	9	1419
2177+00	100	35	2	139	6	1567	17	1550
2177+54	54	43	4	78	6	1645	25	1620
2177+59	5	41	4	8	1	1653	26	1627
2177+90	31	33	4	42	5	1695	33	1662
				1695	26			

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PROJECT NO: 1190-08-79 | HWY: USH 53 | COUNTY: CHIPPEWA | EARTHWORK DATA | SHEET 576 | E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090101-EW.DWG
LAYOUT NAME - 18

PLOT DATE : 10/2/2023 10:02 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 42

STAGE 6A - USH 53 SB/BUS 29 ENTRANCE - STA 2170+55'XD' TO STA 2181+49'XD' - DIVISION 12

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2170+55	0	20	0	0	0	0	0	0
2170+68	13	30	2	12	0	12	0	12
2171+00	32	28	1	34	2	46	3	43
2171+64	64	34	1	73	2	119	6	113
2171+91	27	44	1	39	1	158	7	151
2171+93	2	46	1	3	0	161	7	154
2172+00	7	26	1	9	0	170	7	163
2172+30	30	26	1	29	1	199	8	191
2172+55	25	46	2	33	1	232	9	223
2172+81	26	35	5	39	3	271	13	258
2173+00	19	37	1	25	2	296	16	280
2174+00	100	40	1	143	4	439	21	418
2174+50	50	45	3	79	4	518	26	492
2174+85	35	47	2	60	3	578	30	548
2175+00	15	46	2	26	1	604	31	573
2175+49	49	47	2	84	4	688	36	652
2175+54	5	46	2	9	0	697	36	661
2176+00	46	39	2	72	3	769	40	729
2177+00	100	47	4	159	11	928	54	874
2178+00	100	43	3	167	13	1095	71	1024
2178+57	57	41	5	89	8	1184	81	1103
2179+00	43	48	5	71	8	1255	91	1164
2179+26	26	57	3	51	4	1306	96	1210
2179+61	35	40	7	63	6	1369	104	1265
2179+87	26	36	6	37	6	1406	112	1294
2179+95	8	36	7	11	2	1417	115	1302
2180+00	5	36	8	7	1	1424	116	1308
2180+24	24	37	5	32	6	1456	124	1332
2180+53	29	42	0	42	3	1498	128	1370
2180+75	22	48	0	37	0	1535	128	1407
2180+86	11	53	0	21	0	1556	128	1428
2181+00	14	62	0	30	0	1586	128	1458
2181+29	29	126	0	101	0	1687	128	1559
2181+49	20	82	0	77	0	1764	128	1636
				1764	99			

STAGE 6B - TEMP CROSSOVER - SOUTH PROJECT LIMIT 2 - STA 203+26'T2' TO STA 225+99'T2' - DIVISION 13

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
203+26	0	17	0	0	0	0	0	0
204+00	74	13	3	41	4	41	5	36
205+00	100	12	5	46	15	87	25	62
206+00	100	12	10	44	28	131	61	70
206+98	98	14	7	47	31	178	101	77
207+00	2	14	7	1	1	179	102	77
208+00	100	16	10	56	31	235	142	93
209+00	100	12	22	52	59	287	219	68
210+00	100	16	25	52	87	339	332	7
211+00	100	17	24	61	91	400	450	-50
211+23	23	10	26	12	21	412	477	-65
212+00	77	1	52	16	111	428	621	-193
213+00	100	0	116	2	311	430	1025	-595
213+50	50	0	146	0	243	430	1341	-911
214+00	50	10	164	9	287	439	1714	-1275
214+84	84	10	156	31	498	470	2361	-1891
215+00	16	10	134	6	86	476	2473	-1997
216+04	104	10	123	39	495	515	3117	-2602
217+00	96	10	80	36	361	551	3586	-3035
217+08	8	10	77	3	23	554	3616	-3062
217+25	17	10	70	6	46	560	3676	-3116
218+00	75	10	31	28	140	588	3858	-3270
219+00	100	12	10	41	76	629	3957	-3328
220+00	100	13	4	46	26	675	3991	-3316
221+00	100	15	1	52	9	727	4003	-3276
222+00	100	18	1	61	4	788	4008	-3220
223+00	100	11	0	54	2	842	4011	-3169
224+00	100	12	0	43	0	885	4011	-3126
225+00	100	11	0	43	0	928	4011	-3083
226+00	100	8	0	35	0	963	4011	-3048
				963	3086			

STAGE 6B - TEMP CROSSOVER - USH 53 SB/BUS 29 EXIT - STA 30+25'XC1' TO STA 39+98'XC1' - DIVISION 13

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
30+25	0	1	14	0	0	0	0	0
31+00	75	2	12	4	36	4	47	-43
31+25	25	17	11	9	11	13	61	-48
32+00	75	42	0	82	15	95	81	14
32+48	48	15	14	51	12	146	97	49
33+00	52	13	13	27	26	173	131	42
34+00	100	11	11	44	44	217	188	29
35+00	100	12	5	43	30	260	227	33
35+98	98	13	3	45	15	305	247	58
36+00	2	13	3	1	0	306	247	59
37+00	100	12	5	46	15	352	267	85
37+98	98	10	12	40	31	392	307	85
38+00	2	10	11	1	1	393	308	85
39+00	100	11	1	39	22	432	337	95
39+25	25	10	0	10	0	442	337	105
39+98	73	11	0	28	0	470	337	133
				470	258			

STAGE 6B - TEMP CROSSOVER - USH 53 SB/CTH S EXIT - STA 17+00'SC2' TO STA 20+73'SC2' - DIVISION 13

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
17+00	0	2	40	0	0	0	0	0
18+00	100	2	105	7	269	7	350	-343
18+29	29	10	104	6	112	13	496	-483
19+00	71	11	85	28	249	41	820	-779
19+03	3	11	84	1	9	42	832	-790
20+00	97	11	45	40	232	82	1134	-1052
20+73	73	10	30	27	81	109	1239	-1130
				109	952			

STAGE 6B - TEMP CROSSOVER - USH 53 SB/CTH S ENTRANCE - STA 10+00'SD1' TO STA 27+24'SD1' - DIVISION 13

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
10+00	0	16	0	0	0	0	0	0
11+00	100	15	0	57	0	57	0	57
11+88	88	15	0	49	0	106	0	106
12+00	12	15	0	7	0	113	0	113
13+00	100	15	0	56	0	169	0	169
14+00	100	14	1	54	2	223	3	220
15+00	100	14	3	52	7	275	12	263
16+00	100	14	6	52	17	327	34	293
17+00	100	14	8	52	26	379	68	311
18+00	100	13	16	50	44	429	125	304
19+00	100	13	30	48	85	477	236	241
20+00	100	14	40	50	130	527	405	122
20+18	18	14	41	9	27	536	440	96
21+00	82	15	29	44	106	580	578	2
21+39	39	22	25	27	39	607	629	-22
21+72	33	63	0	52	15	659	649	10
22+00	28	33	10	50	5	709	656	53
23+00	100	23	63	104	135	813	832	-19
23+34	34	28	59	32	77	845	932	-87
24+00	66	28	51	68	134	913	1106	-193
25+00	100	28	33	104	156	1017	1309	-292
25+25	25	27	22	25	25	1042	1342	-300
26+00	75	27	12	75	47	1117	1403	-286
26+27	27	27	11	27	12	1144	1419	-275
27+00	73	27	19	73	41	1217	1472	-255
27+24	24	26	18	24	16	1241	1493	-252
				1241	1146			

STAGE 6B - TEMP CROSSOVER - USH 53 SB/CTH S EXIT - STA 39+74'SC1' TO STA 53+99'SC1' - DIVISION 13

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
39+74	0	22	31	0	0	0	0	0
39+77	3	22	30	2	3	2	4	-2
40+00	23	22	35	19	28	21	40	-19
40+29	29	23	38	24	39	45	91	-46
40+59	30	23	43	26	45	71	150	-79
40+87	28	23	47	24	47	95	211	-116
41+00	13	23	48	11	23	106	241	-135
42+00	100	23	42	85	167	191	458	-267
42+70	70	13	38	47	104	238	593	-355
43+00	30	12	38	14	42	252	648	-396
44+00	100	13	46	46	156	298	851	-553
44+12	12	13	47	6	21	304	878	-574
45+00	88	12	35	41	134	345	1052	-707
46+00	100	12	27	44	115	389	1202	-813
47+00	100	12	19	44	85	433	1313	-880
48+00	100	12	11	44	56	477	1386	-909
49+00	100	13	8	46	35	523	1432	-909
50+00	100	13	7	48	28	571	1468	-897
51+00	100	15	2	52	17	623	1490	-867
51+75	75	16	4	43	8	666	1500	-834
52+00	25	15	5	14	4	680	1505	-825
53+00	100	12	1	50	11	730	1519	-789
53+33	33	12	0	15	1	745	1520	-775
53+99	66	13	0	31	0	776	1520	-744
				776	1169			

STAGE 6B - TEMP CROSSOVER - USH 53 SB/CTH S ENTRANCE - STA 56+90'SD2' TO STA 60+88'SD2' - DIVISION 13

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
56+90	0	16	18	0	0	0	0	0
57+00	10	16	18	6	7	6	9	-3
58+00	100	16	25	59	80	65	113	-48
58+41	41	16	30	24	42	89	168	-79
59+00	59	1	37	19	73	108	263	-155
60+00	100	0	72	2	202	110	526	-416
60+44	44	1	77	1	121	111	683	-572
60+53	9	1	63	0	23	111	713	-602
60+88	35	2	63	3	82	114	820	-706
				114	630			

STAGE 7 - USH 53 NB/CTH B EXIT - STA 1500+48'BA' TO STA 1509+08'BA' - DIVISION 14

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
1500+48	0	34	0	0	0	0	0	0
1501+00	52	41	0	72	0	72	0	72
1501+29	29	48	0	48	0	120	0	120
1501+83	54	69	0	117	0	237	0	237
1501+88	5	50	0	11	0	248	0	248
1501+94	6	50	0	11	0	259	0	259
1502+00	6	51	0	11	0	270	0	270
1502+36	36	58	0	73	0	343	0	343
1502+89	53	48	0	104	0	447	0	447
1503+00	11	49	0	20	0	467	0	467
1503+30	30	52	0	56	0	523	0	523
1503+43	13	50	0	25	0	548	0	548
1503+83	40	47	0	72	0	620	0	620
1504+00	17	50	0	31	0	651	0	651
1505+00	100	52	0	189	0	840	0	840
1506+00	100	52	0	193	0	1033	0	1033
1507+00	100	54	0	196	0	1229	0	1229
1508+00	100	52	0	196	0	1425	0	1425
1509+00	100	54	0	196	0	1621	0	1621
1509+08	8	54	0	16	0	1637	0	1637
				1637	0			

STAGE 7 - USH 53 SB/CTH B EXIT - STA 2460+41'BC' TO STA 2471+00'BC' - DIVISION 14

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2460+41	0	49	0	0	0	0	0	0
2461+00	59	53	0	111	0	111	0	111
2462+00	100	57	0	204	0	315	0	315
2463+00	100	57	0	211	0	526	0	526
2464+00	100	58	0	213	0	739	0	739
2465+00	100	59	0	217	0	956	0	956
2465+83	83	57	0	178	0	1134	0	1134
2466+00	17	55	0	35	0	1169	0	1169
2466+10	10	54	0	20	0	1189	0	1189
2466+36	26	52	0	51	0	1240	0	1240
2466+90	54	53	0	105	0	1345	0	1345
2467+00	10	53	0	20	0	1365	0	1365
2467+38	38	49	0	72	0	1437	0	1437
2467+67	29	52	0	54	0	1491	0	1491
2467+73	6	52	0	12	0	1503	0	1503
2468+00	27	47	0	50	0	1553	0	1553
2469+00	100	35	0	152	0	1705	0	1705
2469+29	29	33	0	37	0	1742	0	1742
2469+31	2	32	0	2	0	1744	0	1744
2469+91	60	29	0	68	0	1812	0	1812
2470+00	9	28	0	10	0	1822	0	1822
2470+39	39	26	0	39	0	1861	0	1861
2470+93	54	25	0	51	0	1912	0	1912
2471+00	7	25	0	6	0	1918	0	1918
				1918	0			

STAGE 7 - USH 53 NB/CTH B ENTRANCE - STA 1512+03'BB' TO STA 1520+58'BB' - DIVISION 14

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
1512+03	0	49	0	0	0	0	0	0
1513+00	97	49	0	176	0	176	0	176
1514+00	100	48	0	180	0	356	0	356
1515+00	100	46	0	174	0	530	0	530
1515+12	12	45	0	20	0	550	0	550
1515+65	53	44	0	87	0	637	0	637
1516+00	35	47	0	59	0	696	0	696
1516+19	19	48	0	33	0	729	0	729
1516+72	53	44	0	90	0	819	0	819
1517+00	28	44	0	46	0	865	0	865
1517+25	25	45	0	41	0	906	0	906
1517+90	65	49	0	113	0	1019	0	1019
1518+00	10	48	0	18	0	1037	0	1037
1518+28	28	43	0	47	0	1084	0	1084
1518+31	3	43	0	5	0	1089	0	1089
1519+00	69	37	0	102	0	1191	0	1191
1519+55	55	28	0	66	0	1257	0	1257
1520+00	45	27	0	46	0	1303	0	1303
1520+08	8	28	0	8	0	1311	0	1311
1520+58	50	29	0	54	0	1365	0	1365
				1365	0			

STAGE 7 - USH 53 SB/CTH B ENTRANCE - STA 2446+05'BD' TO STA 2456+59'BD' - DIVISION 14

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2446+05	0	31	0	0	0	0	0	0
2446+33	28	31	0	32	0	32	0	32
2446+86	53	33	0	63	0	95	0	95
2447+00	14	34	0	17	0	112	0	112
2447+39	39	34	0	49	0	161	0	161
2448+00	61	34	0	77	0	238	0	238
2448+55	55	45	0	80	0	318	0	318
2448+58	3	45	0	5	0	323	0	323
2448+69	11	45	0	18	0	341	0	341
2448+96	27	47	0	46	0	387	0	387
2449+00	4	48	0	7	0	394	0	394
2449+53	53	54	0	100	0	494	0	494
2450+00	47	59	0	98	0	592	0	592
2450+60	60	56	0	128	0	720	0	720
2451+00	40	60	0	86	0	806	0	806
2451+13	13	62	0	29	0	835	0	835
2451+66	53	60	0	120	0	955	0	955
2452+00	34	60	0	76	0	1031	0	1031
2453+00	100	61	0	224	0	1255	0	1255
2454+00	100	60	0	224	0	1479	0	1479
2455+00	100	57	0	217	0	1696	0	1696
2456+00	100	49	0	196	0	1892	0	1892
2456+59	59	52	0	110	0	2002	0	2002
				2002	0			

STAGE 8A - USH 53 SB - STA 2245+70 TO STA 2298+69 - DIVISION 15

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2245+70	0	79	0	0	0	0	0	0
2246+00	30	81	0	89	0	89	0	89
2247+00	100	80	0	298	0	387	0	387
2248+00	100	80	0	296	0	683	0	683
2249+00	100	79	0	294	0	977	0	977
2250+00	100	76	0	287	0	1264	0	1264
2251+00	100	79	0	287	0	1551	0	1551
2252+00	100	81	0	296	0	1847	0	1847
2253+00	100	81	0	300	0	2147	0	2147
2254+00	100	82	0	302	0	2449	0	2449
2255+00	100	83	0	306	0	2755	0	2755
2256+00	100	80	0	302	0	3057	0	3057
2257+00	100	79	0	294	0	3351	0	3351
2258+00	100	79	0	293	0	3644	0	3644
2259+00	100	77	0	289	0	3933	0	3933
2260+00	100	76	0	283	0	4216	0	4216
2261+00	100	76	0	281	0	4497	0	4497
2262+00	100	76	0	281	0	4778	0	4778
2263+00	100	81	0	291	0	5069	0	5069
2264+00	100	80	0	298	0	5367	0	5367
2265+00	100	80	0	296	0	5663	0	5663
2266+00	100	78	0	293	0	5956	0	5956
2267+00	100	79	0	291	0	6247	0	6247
2268+00	100	74	0	283	0	6530	0	6530
2269+00	100	78	0	281	0	6811	0	6811
2270+00	100	80	0	293	0	7104	0	7104
2271+00	100	79	0	294	0	7398	0	7398
2272+00	100	80	0	294	0	7692	0	7692
2273+00	100	81	0	298	0	7990	0	7990
2274+00	100	82	0	302	0	8292	0	8292
2275+00	100	80	0	300	0	8592	0	8592
2276+00	100	78	0	293	0	8885	0	8885
2277+00	100	79	0	291	0	9176	0	9176
2278+00	100	80	0	294	0	9470	0	9470
2279+00	100	80	0	296	0	9766	0	9766
2280+00	100	80	0	296	0	10062	0	10062
2281+00	100	80	0	296	0	10358	0	10358
2282+00	100	80	0	296	0	10654	0	10654
2283+00	100	82	0	300	0	10954	0	10954
2284+00	100	80	0	300	0	11254	0	11254
2285+00	100	80	0	296	0	11550	0	11550
2286+00	100	75	0	287	0	11837	0	11837
2287+00	100	75	0	278	0	12115	0	12115
2288+00	100	73	0	274	0	12389	0	12389
2289+00	100	73	0	270	0	12659	0	12659
2290+00	100	74	0	272	0	12931	0	12931
2291+00	100	77	0	280	0	13211	0	13211
2292+00	100	80	0	291	0	13502	0	13502
2293+00	100	79	0	294	0	13796	0	13796
2293+68	68	74	0	193	0	13989	0	13989
2294+00	32	74	0	88	0	14077	0	14077
2294+58	58	77	0	162	0	14239	0	14239
2295+00	42	80	0	122	0	14361	0	14361
2295+48	48	81	0	143	0	14504	0	14504
2296+00	52	83	0	158	0	14662	0	14662
2296+11	11	84	0	34	0	14696	0	14696
2296+53	42	71	0	121	0	14817	0	14817
2296+78	25	69	0	65	0	14882	0	14882
2296+90	12	69	0	31	0	14913	0	14913
2297+00	10	68	0	25	0	14938	0	14938
2297+01	1	68	0	3	0	14941	0	14941
2297+26	25	67	0	63	0	15004	0	15004
2298+00	74	79	0	200	0	15204	0	15204
2298+69	69	81	0	207	0	15411	0	15411
				15411	0			

STAGE 8A - USH 53 SB - STA 2306+50 TO STA 2323+47 - DIVISION 15

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2306+50	0	93	0	0	0	0	0	0
2307+00	50	93	0	172	0	172	0	172
2307+76	76	92	0	260	0	432	0	432
2308+00	24	63	0	69	0	501	0	501
2309+00	100	67	0	241	0	742	0	742
2309+21	21	67	0	52	0	794	0	794
2310+00	79	66	0	195	0	989	0	989
2311+00	100	72	0	256	0	1245	0	1245
2311+43	43	68	0	111	0	1356	0	1356
2311+46	3	67	0	8	0	1364	0	1364
2312+00	54	70	0	137	0	1501	0	1501
2313+00	100	74	0	267	0	1768	0	1768
2314+00	100	76	0	278	0	2046	0	2046
2315+00	100	77	0	283	0	2329	0	2329
2316+00	100	72	0	276	0	2605	0	2605
2317+00	100	72	0	267	0	2872	0	2872
2318+00	100	70	0	263	0	3135	0	3135
2319+00	100	70	0	259	0	3394	0	3394
2320+00	100	88	0	293	0	3687	0	3687
2321+00	100	104	0	356	0	4043	0	4043
2321+88	88	77	0	295	0	4338	0	4338
2322+00	12	61	0	31	0	4369	0	4369
2322+23	23	54	21	49	9	4418	12	4406
2322+89	66	55	17	133	46	4551	72	4479
2323+00	11	56	19	23	7	4574	81	4493
2323+16	16	44	0	30	6	4604	89	4515
2323+29	13	46	0	22	0	4626	89	4537
2323+47	18	0	0	0	0	4626	89	4537
				4626	68			

STAGE 8A - USH 53 SB - STA 2325+04 TO STA 2341+01 - DIVISION 15

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2325+04	0	0	0	0	0	0	0	0
2325+23	19	49	0	17	0	17	0	17
2325+35	12	55	8	23	2	40	3	37
2325+62	27	57	1	56	5	96	10	86
2326+00	38	58	1	81	1	177	11	166
2327+00	100	68	2	233	6	410	19	391
2327+76	76	77	3	204	7	614	28	586
2328+00	24	81	3	70	3	684	32	652
2328+22	22	85	0	68	1	752	33	719
2328+39	17	88	0	54	0	806	33	773
2328+47	8	89	0	26	0	832	33	799
2328+64	17	92	5	57	2	889	36	853
2328+72	8	92	8	27	2	916	39	877
2328+89	17	93	3	58	3	974	43	931
2329+00	11	93	1	38	1	1012	44	968
2329+03	3	93	2	10	0	1022	44	978
2329+09	6	91	2	20	0	1042	44	998
2329+12	3	91	2	10	0	1052	44	1008
2329+66	54	81	0	172	2	1224	47	1177
2330+00	34	80	0	101	0	1325	47	1278
2330+06	6	80	0	18	0	1343	47	1296
2330+23	17	79	0	50	0	1393	47	1346
2330+56	33	77	0	95	0	1488	47	1441
2331+00	44	75	0	124	0	1612	47	1565
2331+46	46	73	0	126	0	1738	47	1691
2332+00	54	74	0	147	0	1885	47	1838
2333+00	100	73	0	272	0	2157	47	2110
2334+00	100	77	0	278	0	2435	47	2388
2335+00	100	74	0	280	0	2715	47	2668
2336+00	100	72	0	270	0	2985	47	2938
2336+60	60	72	0	160	0	3145	47	3098
2336+90	30	71	0	79	0	3224	47	3177
2336+96	6	72	0	16	0	3240	47	3193
2337+00	4	82	0	11	0	3251	47	3204
2338+00	100	65	0	272	0	3523	47	3476
2338+60	60	63	0	142	0	3665	47	3618
2339+00	40	97	0	119	0	3784	47	3737
2339+24	24	98	0	87	0	3871	47	3824
2339+50	26	93	0	92	0	3963	47	3916
2340+00	50	83	0	163	0	4126	47	4079
2340+01	1	83	0	3	0	4129	47	4082
2341+00	99	85	0	308	0	4437	47	4390
2341+01	1	85	0	3	0	4440	47	4393
				4440	35			

STAGE 8A - USH 53 SB - STA 2347+00 TO STA 2471+00 - DIVISION 15

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2347+24	0	85	0	0	0	0	0	0
2348+00	76	82	0	235	0	235	0	235
2349+00	100	79	0	298	0	533	0	533
2350+00	100	78	0	291	0	824	0	824
2351+00	100	77	0	287	0	1111	0	1111
2352+00	100	74	0	280	0	1391	0	1391
2353+00	100	75	0	276	0	1667	0	1667
2354+00	100	73	0	274	0	1941	0	1941
2354+99	99	73	0	268	0	2209	0	2209
2355+00	1	73	0	3	0	2212	0	2212
2355+89	89	65	0	227	0	2439	0	2439
2356+00	11	65	0	26	0	2465	0	2465
2356+14	14	64	0	33	0	2498	0	2498
2356+26	12	65	0	29	0	2527	0	2527
2356+38	12	65	0	29	0	2556	0	2556
2356+63	25	66	0	61	0	2617	0	2617
2357+00	37	77	0	98	0	2715	0	2715
2357+53	53	74	0	148	0	2863	0	2863
2358+00	47	74	0	129	0	2992	0	2992
2359+00	100	77	0	280	0	3272	0	3272
2360+00	100	76	0	283	0	3555	0	3555
2361+00	100	73	0	276	0	3831	0	3831
2362+00	100	71	0	267	0	4098	0	4098
2363+00	100	73	0	267	0	4365	0	4365
2364+00	100	73	0	270	0	4635	0	4635
2365+00	100	74	0	272	0	4907	0	4907
2366+00	100	77	0	280	0	5187	0	5187
2367+00	100	77	0	285	0	5472	0	5472
2368+00	100	77	0	285	0	5757	0	5757
2369+00	100	76	0	283	0	6040	0	6040
2370+00	100	73	0	276	0	6316	0	6316
2371+00	100	73	0	270	0	6586	0	6586
2372+00	100	73	0	270	0	6856	0	6856
2373+00	100	73	0	270	0	7126	0	7126
2374+00	100	74	0	272	0	7398	0	7398
2375+00	100	77	0	280	0	7678	0	7678
2376+00	100	81	0	293	0	7971	0	7971
2377+00	100	82	0	302	0	8273	0	8273
2378+00	100	81	0	302	0	8575	0	8575
2379+00	100	81	0	300	0	8875	0	8875
2380+00	100	79	0	296	0	9171	0	9171
2381+00	100	80	0	294	0	9465	0	9465
2382+00	100	81	0	298	0	9763	0	9763
2383+00	100	80	0	298	0	10061	0	10061
2384+00	100	80	0	296	0	10357	0	10357
2385+00	100	82	0	300	0	10657	0	10657
2386+00	100	84	0	307	0	10964	0	10964
2387+00	100	84	0	311	0	11275	0	11275
2388+00	100	85	0	313	0	11588	0	11588
2389+00	100	85	0	315	0	11903	0	11903
2390+00	100	84	0	313	0	12216	0	12216
2391+00	100	82	0	307	0	12523	0	12523
2392+00	100	80	0	300	0	12823	0	12823
2393+00	100	75	0	287	0	13110	0	13110
2394+00	100	70	0	269	0	13379	0	13379
2395+00	100	68	0	256	0	13635	0	13635
2395+11	11	69	0	28	0	13663	0	13663
2396+00	89	75	0	237	0	13900	0	13900
2396+01	1	75	0	3	0	13903	0	13903
2396+91	90	84	0	265	0	14168	0	14168
2397+00	9	84	0	28	0	14196	0	14196
2397+81	81	79	0	245	0	14441	0	14441
2398+00	19	79	0	56	0	14497	0	14497
2398+08	8	78	0	23	0	14520	0	14520
2399+00	92	84	0	276	0	14796	0	14796
2400+00	100	85	0	313	0	15109	0	15109
2401+00	100	90	0	324	0	15433	0	15433
2402+00	100	89	0	331	0	15764	0	15764

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	EARTHWORK DATA	SHEET 581	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090101-EW.DWG
LAYOUT NAME - 23

PLOT DATE : 10/2/2023 10:03 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 42

STAGE 8A - USH 53 SB - STA 2347+00 TO STA 2471+00 - DIVISION 15 CONT'D

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2403+00	100	89	0	330	0	16094	0	16094
2404+00	100	93	0	337	0	16431	0	16431
2405+00	100	87	0	333	0	16764	0	16764
2406+00	100	84	0	317	0	17081	0	17081
2407+00	100	84	0	311	0	17392	0	17392
2408+00	100	83	0	309	0	17701	0	17701
2409+00	100	80	0	302	0	18003	0	18003
2410+00	100	80	0	296	0	18299	0	18299
2410+26	26	79	0	77	0	18376	0	18376
2411+00	74	94	0	237	0	18613	0	18613
2411+80	80	91	0	274	0	18887	0	18887
2412+00	20	93	0	68	0	18955	0	18955
2412+43	43	97	0	151	0	19106	0	19106
2412+56	13	99	0	47	0	19153	0	19153
2413+00	44	98	0	161	0	19314	0	19314
2413+14	14	96	0	50	0	19364	0	19364
2413+36	22	95	0	78	0	19442	0	19442
2413+94	58	93	0	202	0	19644	0	19644
2414+00	6	92	0	21	0	19665	0	19665
2414+07	7	91	0	24	0	19689	0	19689
2414+70	63	89	0	210	0	19899	0	19899
2415+00	30	87	0	98	0	19997	0	19997
2416+00	100	83	0	315	0	20312	0	20312
2416+20	20	83	0	61	0	20373	0	20373
2417+00	80	84	0	247	0	20620	0	20620
2418+00	100	84	0	311	0	20931	0	20931
2419+00	100	87	0	317	0	21248	0	21248
2420+00	100	85	0	319	0	21567	0	21567
2420+09	9	85	0	28	0	21595	0	21595
2420+36	27	91	0	88	0	21683	0	21683
2421+00	64	98	0	224	0	21907	0	21907
2421+26	26	96	0	93	0	22000	0	22000
2422+00	74	82	0	244	0	22244	0	22244
2422+16	16	81	0	48	0	22292	0	22292
2423+00	84	71	0	236	0	22528	0	22528
2423+06	6	71	0	16	0	22544	0	22544
2424+00	94	68	0	242	0	22786	0	22786
2425+00	100	68	0	252	0	23038	0	23038
2426+00	100	71	0	257	0	23295	0	23295
2427+00	100	75	0	270	0	23565	0	23565
2428+00	100	78	0	283	0	23848	0	23848
2429+00	100	80	0	293	0	24141	0	24141
2430+00	100	84	0	304	0	24445	0	24445
2430+17	17	85	0	53	0	24498	0	24498
2431+00	83	85	0	261	0	24759	0	24759
2431+07	7	71	0	20	0	24779	0	24779
2431+32	25	70	0	65	0	24844	0	24844
2431+44	12	69	0	31	0	24875	0	24875
2431+56	12	69	0	31	0	24906	0	24906
2431+81	25	68	0	63	0	24969	0	24969
2432+00	19	80	0	52	0	25021	0	25021
2432+71	71	76	0	205	0	25226	0	25226
2433+00	29	75	0	81	0	25307	0	25307
2434+00	100	74	0	276	0	25583	0	25583
2435+00	100	72	0	270	0	25853	0	25853
2436+00	100	72	0	267	0	26120	0	26120
2437+00	100	77	0	276	0	26396	0	26396
2437+63	63	80	0	183	0	26579	0	26579
2437+70	7	80	0	21	0	26600	0	26600
2438+00	30	81	0	89	0	26689	0	26689
2439+00	100	82	0	302	0	26991	0	26991
2440+00	100	86	0	311	0	27302	0	27302
2441+00	100	90	0	326	0	27628	0	27628
2442+00	100	97	0	346	0	27974	0	27974
2443+00	100	102	0	369	0	28343	0	28343
2444+00	100	104	0	381	0	28724	0	28724
2445+00	100	106	0	389	0	29113	0	29113
2445+26	26	104	0	101	0	29214	0	29214
2445+80	54	100	0	204	0	29418	0	29418
2446+00	20	103	0	75	0	29493	0	29493

STAGE 8A - USH 53 SB - STA 2347+00 TO STA 2471+00 - DIVISION 15 CONT'D

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2446+05	5	104	0	19	0	29512	0	29512
2447+00	95	70	0	306	0	29818	0	29818
2448+00	100	78	0	274	0	30092	0	30092
2448+58	58	75	0	164	0	30256	0	30256
2448+61	3	73	0	8	0	30264	0	30264
2448+68	7	74	0	19	0	30283	0	30283
2448+76	8	74	0	22	0	30305	0	30305
2448+99	23	77	0	64	0	30369	0	30369
2449+00	1	77	0	3	0	30372	0	30372
2449+41	41	73	0	114	0	30486	0	30486
2450+00	59	75	0	162	0	30648	0	30648
2450+31	31	78	0	88	0	30736	0	30736
2451+00	69	80	0	202	0	30938	0	30938
2451+21	21	81	0	63	0	31001	0	31001
2452+00	79	77	0	231	0	31232	0	31232
2453+00	100	75	0	281	0	31513	0	31513
2454+00	100	75	0	278	0	31791	0	31791
2455+00	100	77	0	281	0	32072	0	32072
2455+33	33	79	0	95	0	32167	0	32167
2456+00	67	80	0	197	0	32364	0	32364
2456+83	83	82	0	249	0	32613	0	32613
2457+00	17	82	0	52	0	32665	0	32665
2457+47	47	81	0	142	0	32807	0	32807
2457+59	12	81	0	36	0	32843	0	32843
2458+00	41	80	0	122	0	32965	0	32965
2458+17	17	80	0	50	0	33015	0	33015
2458+64	47	82	0	141	0	33156	0	33156
2459+00	36	83	0	110	0	33266	0	33266
2459+21	21	82	0	64	0	33330	0	33330
2459+33	12	81	0	36	0	33366	0	33366
2459+97	64	81	0	192	0	33558	0	33558
2460+00	3	81	0	9	0	33567	0	33567
2461+00	100	77	0	293	0	33860	0	33860
2461+47	47	77	0	134	0	33994	0	33994
2462+00	53	74	0	148	0	34142	0	34142
2463+00	100	71	0	269	0	34411	0	34411
2464+00	100	72	0	265	0	34676	0	34676
2465+00	100	74	0	270	0	34946	0	34946
2465+04	4	74	0	11	0	34957	0	34957
2465+94	90	69	0	238	0	35195	0	35195
2466+00	6	69	0	15	0	35210	0	35210
2466+84	84	66	0	210	0	35420	0	35420
2467+00	16	66	0	39	0	35459	0	35459
2467+44	44	71	0	112	0	35571	0	35571
2467+65	21	69	0	54	0	35625	0	35625
2467+71	6	69	0	15	0	35640	0	35640
2468+00	29	77	0	78	0	35718	0	35718
2469+00	100	54	0	243	0	35961	0	35961
2469+30	30	48	0	57	0	36018	0	36018
2470+00	70	47	0	123	0	36141	0	36141
2470+75	75	48	0	132	0	36273	0	36273
2470+95	20	49	0	36	0	36309	0	36309
2471+00	5	75	0	11	0	36320	0	36320
						36320	0	

STAGE 8A - USH 53 SB - STA 2471+00 TO STA 2485+85 - DIVISION 15

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2471+00	0	30	0	0	0	0	0	0
2472+00	100	30	0	111	0	111	0	111
2473+00	100	30	0	111	0	222	0	222
2474+00	100	30	0	111	0	333	0	333
2475+00	100	31	0	113	0	446	0	446
2475+41	41	32	0	48	0	494	0	494
2475+47	6	32	0	7	0	501	0	501
2476+00	53	34	0	65	0	566	0	566
2477+00	100	34	0	126	0	692	0	692
2478+00	100	33	0	124	0	816	0	816
2479+00	100	33	0	122	0	938	0	938
2480+00	100	33	0	122	0	1060	0	1060
2481+00	100	32	0	120	0	1180	0	1180
2482+00	100	30	0	115	0	1295	0	1295
2482+90	90	24	0	90	0	1385	0	1385
2483+00	10	24	0	9	0	1394	0	1394
2483+15	15	24	0	13	0	1407	0	1407
2483+27	12	24	0	11	0	1418	0	1418
2483+39	12	24	0	11	0	1429	0	1429
2483+64	25	23	0	22	0	1451	0	1451
2484+00	36	30	0	35	0	1486	0	1486
2484+54	54	30	0	60	0	1546	0	1546
2485+00	46	30	0	51	0	1597	0	1597
2485+85	85	30	0	94	0	1691	0	1691
				1691	0			

STAGE 8A - TEMP CROSSOVER - USH 53 SB/CTH S EXIT GORE- STA 11+07'SC2' TO STA 14+62'SC2' - DIVISION 15

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
11+07	0	8	0	0	0	0	0	0
11+94	87	10	0	29	0	29	0	29
12+00	6	10	0	2	0	31	0	31
12+98	98	31	0	74	0	105	0	105
13+00	2	30	0	2	0	107	0	107
14+00	100	11	0	76	0	183	0	183
14+01	1	11	0	0	0	183	0	183
14+59	58	3	0	15	0	198	0	198
14+62	3	3	0	0	0	198	0	198
				198	0			

STAGE 8A - TEMP CROSSOVER - USH 53 SB/CTH S EXIT - STA 14+59'SC2' TO STA 17+00'SC2' - DIVISION 15

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
14+59	0	15	0	0	0	0	0	0
14+62	3	15	0	2	0	2	0	2
14+92	30	15	0	17	0	19	0	19
15+00	8	14	0	4	0	23	0	23
15+47	47	16	7	26	6	49	8	41
16+00	53	15	9	30	16	79	29	50
16+40	40	3	14	13	17	92	51	41
17+00	60	2	40	6	60	98	129	-31
				98	99			

STAGE 8A - TEMP CROSSOVER - USH 53 SB/CTH S ENTRANCE - STA 60+88'SD2' TO STA 63+60'SD2' - DIVISION 15

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
60+88	0	2	63	0	0	0	0	0
61+00	12	8	63	2	28	2	36	-34
61+38	38	15	59	16	86	18	148	-130
61+88	50	14	43	27	94	45	270	-225
62+00	12	14	39	6	18	51	293	-242
63+00	100	14	0	52	72	103	387	-284
63+60	60	14	0	31	0	134	387	-253
				134	298			

STAGE 8B - USH 53 SB - STA 2298+69 TO STA 2306+50 - DIVISION 16

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2298+69	0	81	0	0	0	0	0	0
2299+00	31	82	0	94	0	94	0	94
2299+98	98	82	0	298	0	392	0	392
2300+00	2	82	0	6	0	398	0	398
2301+00	100	79	0	298	0	696	0	696
2302+00	100	81	0	296	0	992	0	992
2303+00	100	82	0	302	0	1294	0	1294
2304+00	100	82	0	304	0	1598	0	1598
2305+00	100	87	0	313	0	1911	0	1911
2306+00	100	93	0	333	0	2244	0	2244
2306+50	50	93	0	172	0	2416	0	2416
				2416	0			

STAGE 8B - USH 53 SB - STA 2341+01 TO STA 2347+24 - DIVISION 16

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2341+01	0	85	0	0	0	0	0	0
2342+00	99	85	0	312	0	312	0	312
2343+00	100	85	0	315	0	627	0	627
2343+64	64	86	0	203	0	830	0	830
2344+00	36	86	0	115	0	945	0	945
2344+64	64	81	0	198	0	1143	0	1143
2345+00	36	82	0	109	0	1252	0	1252
2346+00	100	83	0	306	0	1558	0	1558
2347+00	100	85	0	311	0	1869	0	1869
2347+24	24	82	0	73	0	1942	0	1942
				1942	0			

STAGE 8B - USH 53 SB - STA 2471+00 TO STA 2485+85 - DIVISION 16

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2471+00	0	45	0	0	0	0	0	0
2472+00	100	49	0	174	0	174	0	174
2473+00	100	46	0	176	0	350	0	350
2474+00	100	42	0	163	0	513	0	513
2475+00	100	41	0	154	0	667	0	667
2475+41	41	41	0	62	0	729	0	729
2475+47	6	40	0	9	0	738	0	738
2476+00	53	40	0	79	0	817	0	817
2477+00	100	39	0	146	0	963	0	963
2478+00	100	37	0	141	0	1104	0	1104
2479+00	100	38	0	139	0	1243	0	1243
2480+00	100	38	0	141	0	1384	0	1384
2481+00	100	36	0	137	0	1521	0	1521
2482+00	100	34	0	130	0	1651	0	1651
2482+90	90	34	0	113	0	1764	0	1764
2483+00	10	34	0	13	0	1777	0	1777
2483+15	15	34	0	19	0	1796	0	1796
2483+27	12	33	0	15	0	1811	0	1811
2483+39	12	33	0	15	0	1826	0	1826
2483+64	25	33	0	31	0	1857	0	1857
2484+00	36	32	0	43	0	1900	0	1900
2484+54	54	33	0	65	0	1965	0	1965
2485+00	46	34	0	57	0	2022	0	2022
2485+85	85	34	0	107	0	2129	0	2129
				2129	0			

STAGE 9A - TEMP CROSSOVER - MID 4 - STA 400+00'TM4' TO STA 423+42'TM4' - DIVISION 17

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
400+00	0	12	0	0	0	0	0	0
401+00	100	12	0	44	0	44	0	44
402+00	100	12	0	44	0	88	0	88
403+00	100	13	3	46	6	134	8	126
404+00	100	13	5	48	15	182	28	154
405+00	100	12	6	46	20	228	54	174
406+00	100	12	7	44	24	272	85	187
407+00	100	12	12	44	35	316	131	185
408+00	100	12	16	44	52	360	199	161
409+00	100	12	21	44	69	404	289	115
410+00	100	13	29	46	93	450	410	40
411+00	100	4	35	31	119	481	565	-84
411+39	39	1	36	4	51	485	631	-146
412+25	86	1	33	3	110	488	774	-286
413+00	75	6	33	10	92	498	894	-396
414+00	100	16	22	41	102	539	1027	-488
415+00	100	17	8	61	56	600	1100	-500
415+34	34	17	9	21	11	621	1114	-493
416+00	66	16	6	40	18	661	1137	-476
417+00	100	16	4	59	19	720	1162	-442
418+00	100	17	1	61	9	781	1174	-393
419+00	100	17	0	63	2	844	1177	-333
420+00	100	18	0	65	0	909	1177	-268
421+00	100	17	0	65	0	974	1177	-203
422+00	100	17	0	63	0	1037	1177	-140
423+00	100	17	0	63	0	1100	1177	-77
423+42	42	16	0	26	0	1126	1177	-51
				1126	903			

STAGE 9A - USH 53 SB - MAINTENANCE CROSSOVER - STA 2296+53 TO STA 2297+26 - DIVISION 17								
		AREA (SF)		INCREMENTAL VOLUME (CY) (UNADJUSTED)		CUMULATIVE VOLUME (CY)		
STATION	DISTANCE	CUT (NOTE 1)	FILL (NOTE 2)	CUT (NOTE 1)	FILL (NOTE 2)	CUT (NOTE 1) 1.00	EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2296+53	0	20	0	0	0	0	0	0
2296+78	25	62	0	38	0	38	0	38
2296+90	12	47	0	24	0	62	0	62
2297+00	10	40	0	16	0	78	0	78
2297+01	1	39	0	1	0	79	0	79
2297+26	25	12	0	11	0	90	0	90
				90	0			

STAGE 9A - USH 53 SB - MAINTENANCE CROSSOVER - STA 2431+07 TO STA 2431+81 - DIVISION 17								
		AREA (SF)		INCREMENTAL VOLUME (CY) (UNADJUSTED)		CUMULATIVE VOLUME (CY)		
STATION	DISTANCE	CUT (NOTE 1)	FILL (NOTE 2)	CUT (NOTE 1)	FILL (NOTE 2)	CUT (NOTE 1) 1.00	EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2431+07	0	19	0	0	0	0	0	0
2431+32	25	61	0	37	0	37	0	37
2431+44	12	61	0	27	0	64	0	64
2431+56	12	61	0	27	0	91	0	91
2431+81	25	18	8	17	7	108	9	99
				108	7			

STAGE 9A - USH 53 SB - MAINTENANCE CROSSOVER - STA 2355+89 TO STA 2356+63 - DIVISION 17								
		AREA (SF)		INCREMENTAL VOLUME (CY) (UNADJUSTED)		CUMULATIVE VOLUME (CY)		
STATION	DISTANCE	CUT (NOTE 1)	FILL (NOTE 2)	CUT (NOTE 1)	FILL (NOTE 2)	CUT (NOTE 1) 1.00	EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2355+89	0	19	0	0	0	0	0	0
2356+00	11	26	0	9	0	9	0	9
2356+14	14	52	0	20	0	29	0	29
2356+26	12	65	0	26	0	55	0	55
2356+38	12	75	0	31	0	86	0	86
2356+63	25	19	0	18	0	104	0	104
				104	0			

STAGE 9A - USH 53 SB - MAINTENANCE CROSSOVER - STA 2482+90 TO STA 2483+64 - DIVISION 17								
		AREA (SF)		INCREMENTAL VOLUME (CY) (UNADJUSTED)		CUMULATIVE VOLUME (CY)		
STATION	DISTANCE	CUT (NOTE 1)	FILL (NOTE 2)	CUT (NOTE 1)	FILL (NOTE 2)	CUT (NOTE 1) 1.00	EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2482+90	0	15	0	0	0	0	0	0
2483+00	10	24	0	7	0	7	0	7
2483+27	27	63	0	44	0	51	0	51
2483+54	27	36	0	50	0	101	0	101
2483+64	10	23	0	9	0	110	0	110
				110	0			

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STAGE 10A - USH 53 SB - STA 2082+91 TO STA 2158+40 - DIVISION 19

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2082+91	0	71	0	0	0	0	0	0
2083+00	9	76	0	25	0	25	0	25
2083+55	55	86	0	165	0	190	0	190
2083+61	6	87	0	19	0	209	0	209
2084+00	39	92	0	129	0	338	0	338
2084+55	55	100	0	196	0	534	0	534
2084+56	1	101	0	4	0	538	0	538
2084+67	11	100	0	41	0	579	0	579
2084+80	13	103	0	49	0	628	0	628
2085+00	20	105	0	77	0	705	0	705
2085+05	5	104	0	19	0	724	0	724
2085+31	26	101	0	99	0	823	0	823
2086+00	69	94	5	249	6	1072	8	1064
2086+84	84	87	12	282	26	1354	42	1312
2086+96	12	88	12	39	5	1393	49	1344
2087+00	4	88	11	13	2	1406	52	1354
2087+21	21	88	11	68	9	1474	64	1410
2087+46	25	88	15	81	12	1555	80	1475
2087+86	40	91	18	133	24	1688	111	1577
2087+99	13	90	19	44	9	1732	123	1609
2088+00	1	90	19	3	1	1735	124	1611
2088+24	24	89	19	80	17	1815	146	1669
2088+35	11	88	22	36	8	1851	156	1695
2088+49	14	87	27	45	13	1896	173	1723
2088+69	20	85	24	64	19	1960	198	1762
2089+00	31	83	20	96	25	2056	231	1825
2089+61	61	85	15	190	40	2246	283	1963
2089+70	9	87	9	29	4	2275	288	1987
2089+82	12	104	0	42	2	2317	291	2026
2089+86	4	107	0	16	0	2333	291	2042
2089+97	11	116	0	45	0	2378	291	2087
2090+00	3	117	0	13	0	2391	291	2100
2090+09	9	110	0	38	0	2429	291	2138
2090+30	21	86	8	76	3	2505	295	2210
2090+35	5	84	14	16	2	2521	298	2223
2090+62	27	83	15	84	15	2605	318	2287
2091+00	38	84	10	118	18	2723	341	2382
2092+00	100	86	0	315	19	3038	366	2672
2093+00	100	80	3	307	6	3345	374	2971
2094+00	100	78	0	293	6	3638	382	3256
2095+00	100	77	2	287	4	3925	387	3538
2096+00	100	78	3	287	9	4212	399	3813
2097+00	100	80	2	293	9	4505	411	4094
2098+00	100	80	0	296	4	4801	416	4385
2099+00	100	76	2	289	4	5090	421	4669
2100+00	100	76	1	281	6	5371	429	4942
2101+00	100	76	0	281	2	5652	432	5220
2102+00	100	76	0	281	0	5933	432	5501
2103+00	100	75	0	280	0	6213	432	5781
2104+00	100	76	0	280	0	6493	432	6061
2105+00	100	80	0	289	0	6782	432	6350
2106+00	100	83	0	302	0	7084	432	6652
2107+00	100	87	0	315	0	7399	432	6967
2108+00	100	89	0	326	0	7725	432	7293
2109+00	100	89	0	330	0	8055	432	7623
2109+60	60	94	0	203	0	8258	432	7826
2110+00	40	98	0	142	0	8400	432	7968
2110+18	18	98	0	65	0	8465	432	8033
2110+23	5	98	0	18	0	8483	432	8051
2110+43	20	106	1	76	0	8559	432	8127
2111+00	57	77	1	193	2	8752	435	8317
2111+13	13	74	1	36	0	8788	435	8353
2112+00	87	72	0	235	2	9023	438	8585
2112+03	3	72	0	8	0	9031	438	8593
2113+00	97	70	0	255	0	9286	438	8848
2114+00	100	74	0	267	0	9553	438	9115
2115+00	100	77	0	280	0	9833	438	9395
2116+00	100	82	0	294	0	10127	438	9689
2117+00	100	81	0	302	0	10429	438	9991
2118+00	100	83	1	304	2	10733	441	10292
2119+00	100	88	8	317	17	11050	463	10587
2120+43	143	86	16	461	64	11511	546	10965
2121+00	57	91	13	187	31	11698	586	11112
2122+00	100	93	5	341	33	12039	629	11410
2122+46	46	92	3	158	7	12197	638	11559
2122+71	25	91	3	85	3	12282	642	11640
2122+96	25	89	10	83	6	12365	650	11715
2123+00	4	88	11	13	2	12378	653	11725

STAGE 10A - USH 53 SB - STA 2082+91 TO STA 2158+40 - DIVISION 19 CONT'D

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2123+16	16	89	2	52	4	12430	658	11772
2124+00	84	83	1	268	5	12698	665	12033
2124+15	15	82	0	46	0	12744	665	12079
2125+00	85	78	1	252	2	12996	668	12328
2126+00	100	79	0	291	2	13287	671	12616
2127+00	100	77	0	289	0	13576	671	12905
2128+00	100	76	0	283	0	13859	671	13188
2129+00	100	74	0	278	0	14137	671	13466
2130+00	100	75	0	276	0	14413	671	13742
2131+00	100	75	0	278	0	14691	671	14020
2132+00	100	77	0	281	0	14972	671	14301
2133+00	100	77	0	285	0	15257	671	14586
2133+84	84	81	0	246	0	15503	671	14832
2134+00	16	82	0	48	0	15551	671	14880
2135+00	100	85	0	309	0	15860	671	15189
2135+34	34	85	0	107	0	15967	671	15296
2135+97	63	99	0	215	0	16182	671	15511
2136+00	3	98	0	11	0	16193	671	15522
2136+09	9	95	0	32	0	16225	671	15554
2136+17	8	95	0	28	0	16253	671	15582
2136+42	25	108	0	94	0	16347	671	15676
2136+61	19	111	0	77	0	16424	671	15753
2136+95	34	109	0	139	0	16563	671	15892
2137+00	5	109	0	20	0	16583	671	15912
2137+47	47	94	0	177	0	16760	671	16089
2137+59	12	90	0	41	0	16801	671	16130
2138+00	41	88	0	135	0	16936	671	16265
2138+23	23	87	0	75	0	17011	671	16340
2139+00	77	85	0	245	0	17256	671	16585
2139+45	45	85	1	142	1	17398	672	16726
2139+70	25	85	0	79	0	17477	672	16805
2139+75	5	85	1	16	0	17493	672	16821
2139+95	20	84	4	63	2	17556	675	16881
2140+00	5	84	4	16	1	17572	676	16896
2140+15	15	82	2	46	2	17618	679	16939
2141+00	85	78	1	252	5	17870	686	17184
2141+29	29	76	1	83	1	17953	687	17266
2142+00	71	77	2	201	4	18154	692	17462
2143+00	100	81	1	293	6	18447	700	17747
2144+00	100	87	0	311	2	18758	703	18055
2145+00	100	86	0	320	0	19078	703	18375
2146+00	100	86	0	319	0	19397	703	18694
2147+00	100	83	1	313	2	19710	706	19004
2148+00	100	86	1	313	4	20023	711	19312
2149+00	100	90	0	326	2	20349	714	19635
2150+00	100	94	0	341	0	20690	714	19976
2151+00	100	91	0	343	0	21033	714	20319
2152+00	100	86	0	328	0	21361	714	20647
2152+72	72	84	0	227	0	21588	714	20874
2153+00	28	82	0	86	0	21674	714	20960
2153+62	62	83	0	189	0	21863	714	21149
2153+70	8	85	0	25	0	21888	714	21174
2153+87	17	88	0	54	0	21942	714	21228
2153+99	12	90	0	40	0	21982	714	21268
2154+00	1	90	0	3	0	21985	714	21271
2154+11	11	88	0	36	0	22021	714	21307
2154+31	20	85	0	64	0	22085	714	21371
2154+36	5	84	0	16	0	22101	714	21387
2155+00	64	81	0	196	0	22297	714	21583
2155+26	26	81	0	78	0	22375	714	21661
2156+00	74	80	0	221	0	22596	714	21882
2157+00	100	65	0	269	0	22865	714	22151
2157+42	42	64	1	100	1	22965	715	22250
2158+00	58	73	0	147	1	23112	716	22396
2158+18	18	69	0	47	0	23159	716	22443
2158+32	32	50	0	76	0	23188	716	22472
2158+40	22	0	0	32	0	23191	716	22475
				23267	545			

STAGE 10A - USH 53 SB - STA 2164+68 TO STA 2168+87 - DIVISION 19

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2164+68	0	0	0	0	0	0	0	0
2164+79	11	56	0	11	0	11	0	11
2164+93	14	73	0	33	0	44	0	44
2165+00	7	78	0	20	0	64	0	64
2166+00	100	71	0	276	0	340	0	340
2167+00	100	69	0	259	0	599	0	599
2168+00	100	76	0	269	0	868	0	868
2168+71	71	93	0	222	0	1090	0	1090
2168+85	14	59	0	39	0	1129	0	1129
2168+87	2	0	0	0	0	1129	0	1129
				1129	0			

STAGE 10A - USH 53 SB - STA 2170+54 TO STA 2177+93 - DIVISION 19

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2170+54	0	0	0	0	0	0	0	0
2170+55	1	38	0	1	0	1	0	1
2170+70	15	57	0	26	0	27	0	27
2171+00	30	55	0	62	0	89	0	89
2171+95	95	74	0	227	0	316	0	316
2171+97	2	53	0	5	0	321	0	321
2172+00	3	53	0	6	0	327	0	327
2173+00	100	90	0	265	0	592	0	592
2173+69	69	99	0	242	0	834	0	834
2173+94	25	103	0	94	0	928	0	928
2174+00	6	104	0	23	0	951	0	951
2174+19	19	104	0	73	0	1024	0	1024
2174+59	40	101	0	152	0	1176	0	1176
2175+00	41	96	0	150	0	1326	0	1326
2175+41	41	93	0	144	0	1470	0	1470
2176+00	59	91	0	201	0	1671	0	1671
2177+00	100	80	0	317	0	1988	0	1988
2177+49	49	80	0	145	0	2133	0	2133
2177+55	6	78	5	18	1	2151	1	2150
2177+86	31	99	3	102	5	2253	8	2245
2177+93	7	98	0	26	0	2279	8	2271
				2279	6			

STAGE 10A - USH 53 SB - STA 2187+91 TO STA 2245+70 - DIVISION 19

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2187+91	0	76	0	0	0	0	0	0
2188+00	9	76	0	25	0	25	0	25
2189+00	100	80	0	289	0	314	0	314
2190+00	100	81	0	298	0	612	0	612
2190+29	29	65	0	78	0	690	0	690
2190+50	21	65	0	51	0	741	0	741
2190+54	4	65	0	10	0	751	0	751
2190+66	12	65	0	29	0	780	0	780
2190+76	10	65	0	24	0	804	0	804
2190+78	2	65	0	5	0	809	0	809
2191+00	22	65	0	53	0	862	0	862
2191+03	3	78	0	8	0	870	0	870
2191+10	7	79	0	20	0	890	0	890
2191+35	25	78	1	73	0	963	0	963
2191+60	25	77	4	72	2	1035	3	1032
2191+80	20	75	2	56	2	1091	6	1085
2192+00	20	73	1	55	1	1146	7	1139
2192+78	78	76	0	215	1	1361	8	1353
2193+00	22	77	0	62	0	1423	8	1415
2194+00	100	79	0	289	0	1712	8	1704
2195+00	100	86	0	306	0	2018	8	2010
2195+06	6	87	0	19	0	2037	8	2029
2195+96	90	87	0	290	0	2327	8	2319
2196+00	4	86	0	13	0	2340	8	2332
2196+86	86	82	0	268	0	2608	8	2600
2197+00	14	82	0	43	0	2651	8	2643
2198+00	100	86	0	311	0	2962	8	2954
2199+00	100	86	0	319	0	3281	8	3273
2200+00	100	86	0	319	0	3600	8	3592
2201+00	100	84	0	315	0	3915	8	3907
2202+00	100	84	0	311	0	4226	8	4218
2203+00	100	85	0	313	0	4539	8	4531
2204+00	100	84	0	313	0	4852	8	4844
2205+00	100	82	0	307	0	5159	8	5151
2206+00	100	82	0	304	0	5463	8	5455
2207+00	100	80	0	300	0	5763	8	5755
2207+99	99	78	0	290	0	6053	8	6045
2208+00	1	78	0	3	0	6056	8	6048
2208+89	89	75	0	252	0	6308	8	6300
2209+00	11	75	0	31	0	6339	8	6331
2209+79	79	81	0	228	0	6567	8	6559
2210+00	21	82	0	63	0	6630	8	6622
2211+00	100	77	0	294	0	6924	8	6916
2212+00	100	73	0	278	0	7202	8	7194
2213+00	100	73	0	270	0	7472	8	7464
2214+00	100	73	0	270	0	7742	8	7734
2215+00	100	74	0	272	0	8014	8	8006
2216+00	100	76	0	278	0	8292	8	8284
2217+00	100	77	0	283	0	8575	8	8567
2218+00	100	75	0	281	0	8856	8	8848
2219+00	100	74	0	276	0	9132	8	9124
2220+00	100	78	0	281	0	9413	8	9405
2221+00	100	82	0	296	0	9709	8	9701
2222+00	100	81	0	302	0	10011	8	10003
2223+00	100	82	0	302	0	10313	8	10305
2224+00	100	84	0	307	0	10620	8	10612
2225+00	100	85	0	313	0	10933	8	10925
2226+00	100	83	0	311	0	11244	8	11236
2226+95	95	85	0	296	0	11540	8	11532
2227+00	5	85	0	16	0	11556	8	11548
2228+00	100	86	0	317	0	11873	8	11865
2228+45	45	88	0	145	0	12018	8	12010
2229+00	55	88	0	179	0	12197	8	12189

STAGE 10A - USH 53 SB - STA 2187+91 TO STA 2245+70 - DIVISION 19

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2229+08	8	88	0	26	0	12223	8	12215
2229+20	12	88	0	39	0	12262	8	12254
2229+81	61	87	0	198	0	12460	8	12452
2230+00	19	87	0	61	0	12521	8	12513
2230+22	22	87	0	71	0	12592	8	12584
2230+83	61	86	0	195	0	12787	8	12779
2230+95	12	87	0	38	0	12825	8	12817
2231+00	5	86	0	16	0	12841	8	12833
2231+33	33	85	0	105	0	12946	8	12938
2231+39	6	84	0	19	0	12965	8	12957
2231+59	20	86	0	63	0	13028	8	13020
2232+00	41	84	0	129	0	13157	8	13149
2233+00	100	78	0	300	0	13457	8	13449
2233+09	9	78	0	26	0	13483	8	13475
2234+00	91	78	0	263	0	13746	8	13738
2235+00	100	79	0	291	0	14037	8	14029
2236+00	100	77	0	289	0	14326	8	14318
2237+00	100	77	0	285	0	14611	8	14603
2238+00	100	76	0	283	0	14894	8	14886
2239+00	100	77	0	283	0	15177	8	15169
2240+00	100	75	0	281	0	15458	8	15450
2241+00	100	74	0	276	0	15734	8	15726
2242+00	100	74	0	274	0	16008	8	16000
2243+00	100	75	0	276	0	16284	8	16276
2244+00	100	75	0	278	0	16562	8	16554
2245+00	100	76	0	280	0	16842	8	16834
2245+70	70	79	0	205	0	17047	8	17039
				17047	6			

STAGE 10B - USH 53 SB - STA 2177+93 TO STA 2179+25 - DIVISION 20

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2177+93	0	98	5	0	0	0	0	0
2178+00	7	96	3	25	1	25	1	24
2178+29	29	91	1	100	2	125	4	121
2178+65	36	84	2	117	2	242	7	235
2179+00	35	79	7	106	6	348	15	333
2179+10	10	79	8	29	3	377	19	358
2179+25	15	63	0	39	2	416	22	394
				416	16			

STAGE 10A - TEMP CROSSOVER - USH 53 SB/BUS 29 EXIT - STA 26+09'XC1' TO STA 29+52'XC1' - DIVISION 19

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
26+09	0	2	0	0	0	0	0	0
26+46	37	8	0	7	0	7	0	7
26+71	25	15	0	11	0	18	0	18
27+00	29	14	0	16	0	34	0	34
28+00	100	14	2	52	4	86	5	81
29+00	100	14	8	52	19	138	30	108
29+52	52	14	14	27	21	165	57	108
29+75	23	13	12	12	11	177	71	106
30+00	25	1	14	6	12	183	87	96
30+25	125	1	14	5	65	188	172	16
				188	132			

STAGE 10B - USH 53 SB - STA 2181+71 TO STA 2187+91 - DIVISION 20

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2181+71	0	55	0	0	0	0	0	0
2181+86	15	81	0	38	0	38	0	38
2182+00	14	79	0	41	0	79	0	79
2183+00	100	72	0	280	0	359	0	359
2184+00	100	78	0	278	0	637	0	637
2184+84	84	80	0	246	0	883	0	883
2185+00	16	79	0	47	0	930	0	930
2185+09	9	79	0	26	0	956	0	956
2185+34	25	77	1	72	0	1028	0	1028
2185+74	40	76	0	113	1	1141	1	1140
2186+00	26	76	0	73	0	1214	1	1213
2186+52	52	76	0	146	0	1360	1	1359
2187+00	48	76	0	135	0	1495	1	1494
2187+91	91	76	0	256	0	1751	1	1750
				1751	1			

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PROJECT NO: 1190-08-79 | HWY: USH 53 | COUNTY: CHIPPEWA | EARTHWORK DATA | SHEET 588 | E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090101-EW.DWG
LAYOUT NAME - 30

PLOT DATE : 10/2/2023 10:03 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 42

STAGE 11 - USH 53 SB - MAINTENANCE CROSSOVER - STA 2089+61 TO STA 2090+35 - DIVISION 21

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2089+61	0	20	0	0	0	0	0	0
2089+69	8	24	0	7	0	7	0	7
2089+75	6	32	0	6	0	13	0	13
2089+82	7	55	0	11	0	24	0	24
2089+86	4	58	0	8	0	32	0	32
2089+97	11	59	0	24	0	56	0	56
2090+00	3	62	0	7	0	63	0	63
2090+09	9	56	0	20	0	83	0	83
2090+30	21	22	0	30	0	113	0	113
2090+35	49	8	0	15	0	47	0	47
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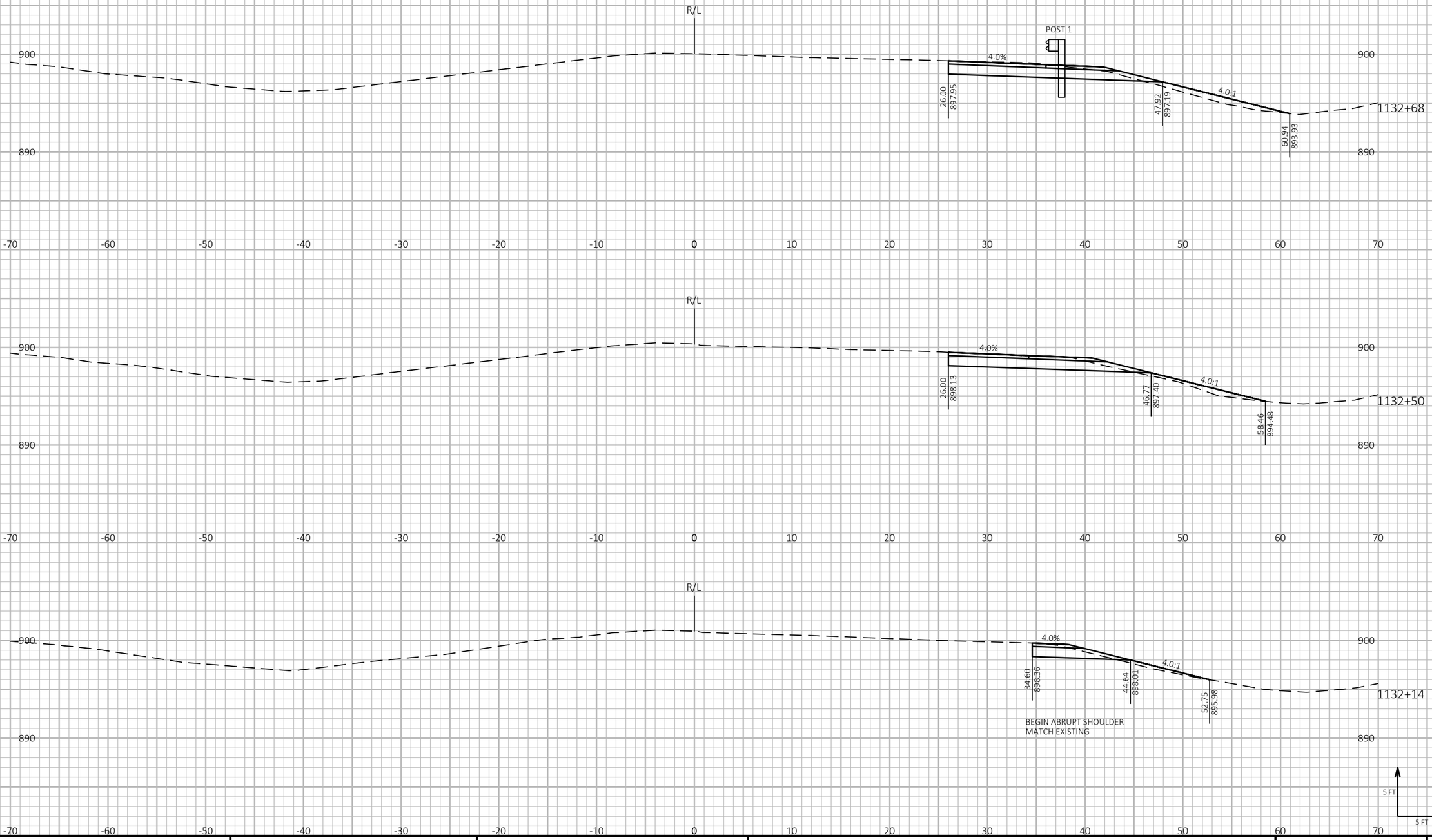
STAGE 11 - USH 53 SB - MAINTENANCE CROSSOVER - STA 2153+62 TO STA 2154+36 - DIVISION 21

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2153+62	0	19	0	0	0	0	0	0
2153+70	8	23	0	6	0	6	0	6
2153+87	17	64	0	27	0	33	0	33
2153+99	12	72	0	30	0	63	0	63
2154+00	1	73	0	3	0	66	0	66
2154+11	11	62	0	28	0	94	0	94
2154+31	20	21	0	31	0	125	0	125
2154+36	36	19	0	25	0	91	0	91
				150	0			

STAGE 11 - USH 53 SB - MAINTENANCE CROSSOVER - STA 2190+29 TO STA 2191+03 - DIVISION 21

STATION	DISTANCE	AREA (SF) CUT (NOTE 1)	AREA (SF) FILL (NOTE 2)	INCREMENTAL VOLUME (CY) (UNADJUSTED) CUT (NOTE 1)	INCREMENTAL VOLUME (CY) (UNADJUSTED) FILL (NOTE 2)	CUMULATIVE VOLUME (CY) CUT (NOTE 1) 1.00	CUMULATIVE VOLUME (CY) EXPANDED FILL (NOTE 3) 1.30	MASS ORDINATE (NOTE 4)
2190+29	0	21	0	0	0	0	0	0
2190+50	21	60	0	32	0	32	0	32
2190+54	4	62	0	9	0	41	0	41
2190+66	12	63	0	28	0	69	0	69
2190+76	10	64	0	24	0	93	0	93
2190+78	2	63	0	5	0	98	0	98
2191+00	22	22	0	35	0	133	0	133
2191+03	27	20	0	20	0	113	0	113
				153	0			

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 590	E

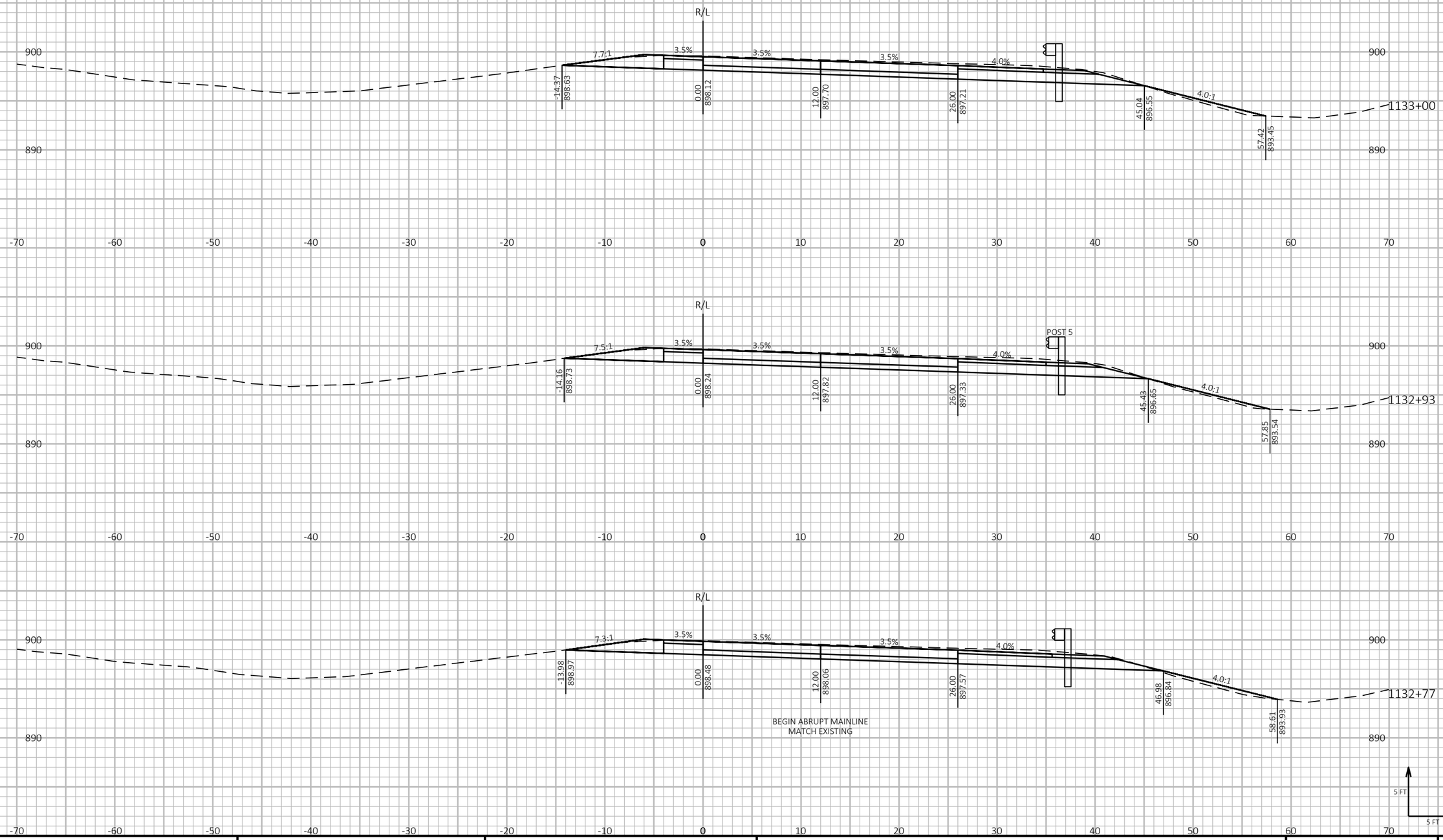
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LAYOUT NAME - 01

PLOT DATE : 7/26/2023 8:35 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



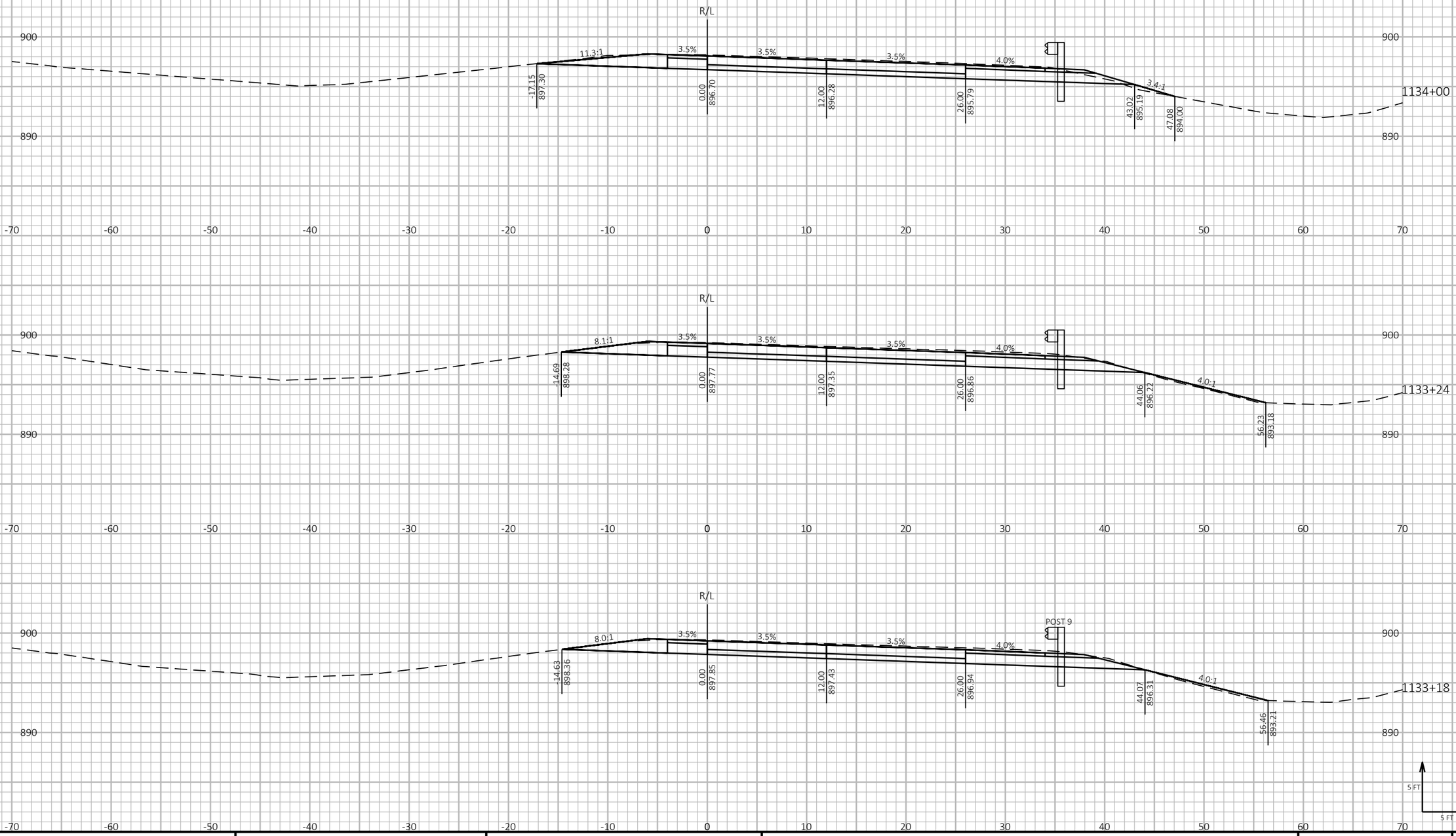
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 591	E

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LAYOUT NAME - 02

PLOT DATE : 7/26/2023 8:35 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 592	E

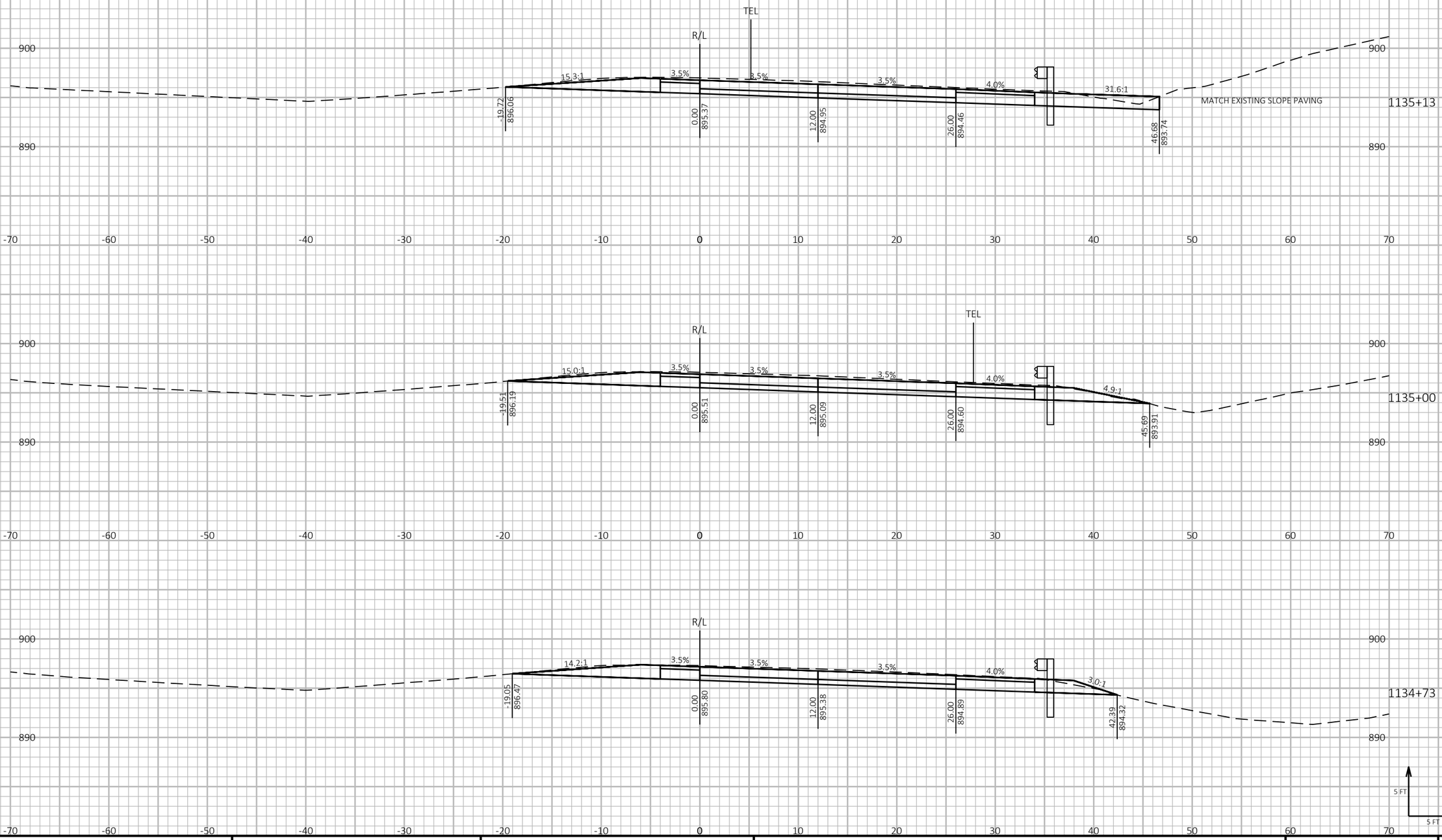
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/26/2023 8:35 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 593	E

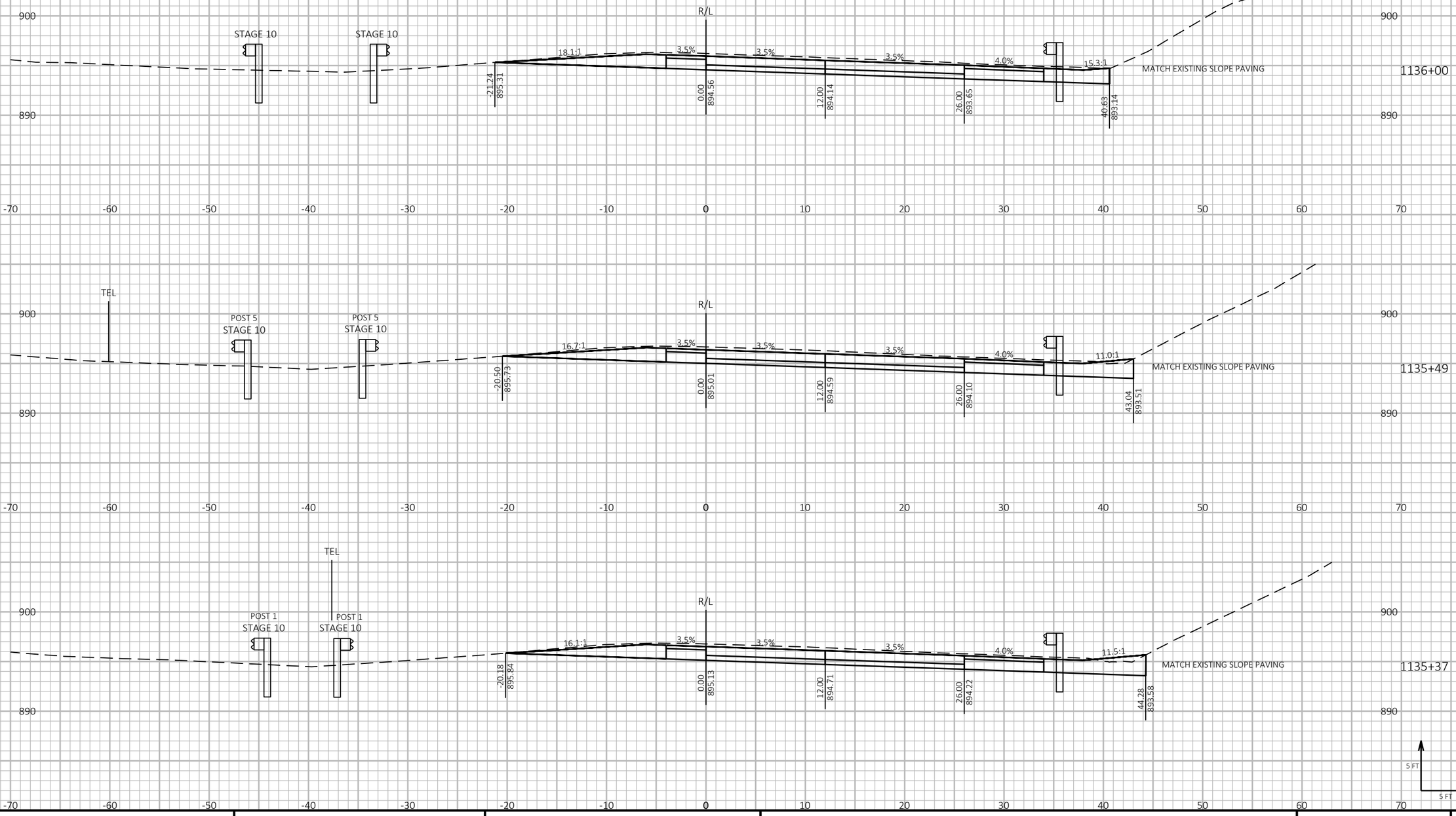
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 7/26/2023 8:35 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 594	E

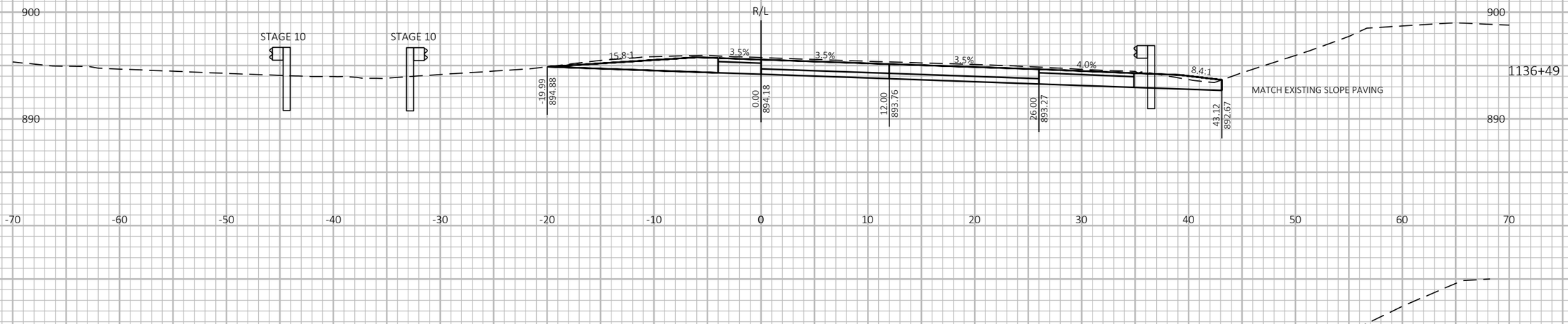
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LAYOUT NAME - 05

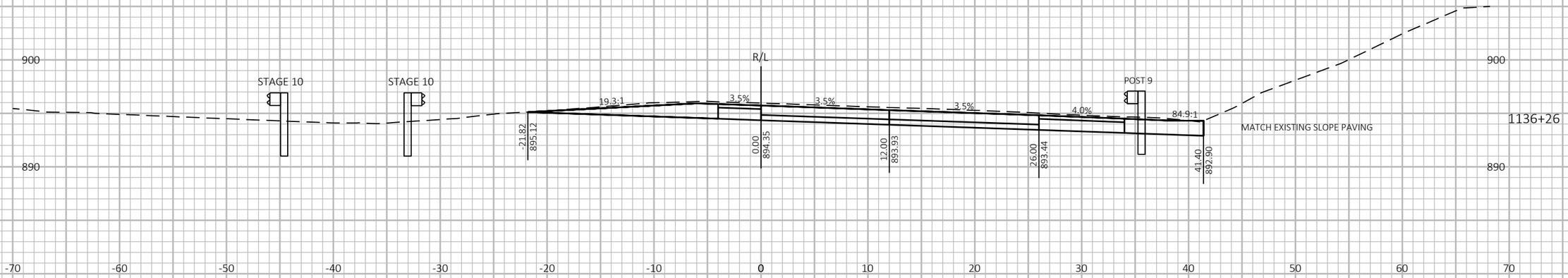
PLOT DATE : 7/26/2023 8:36 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

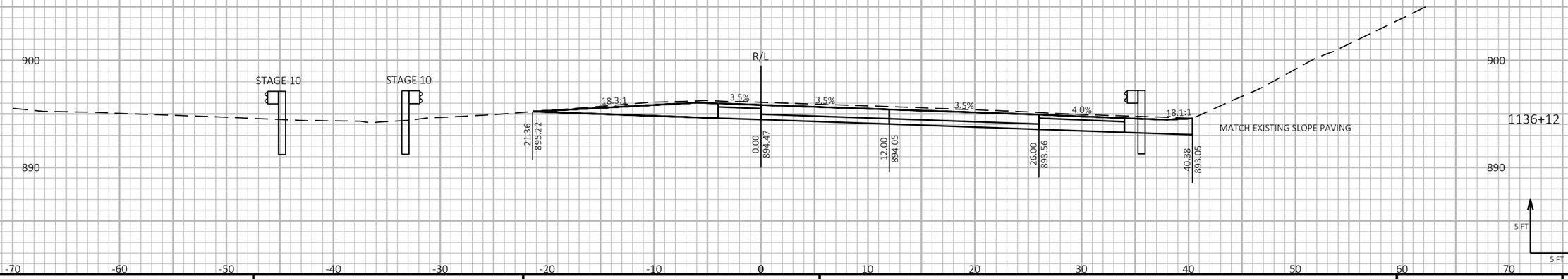
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 595	E

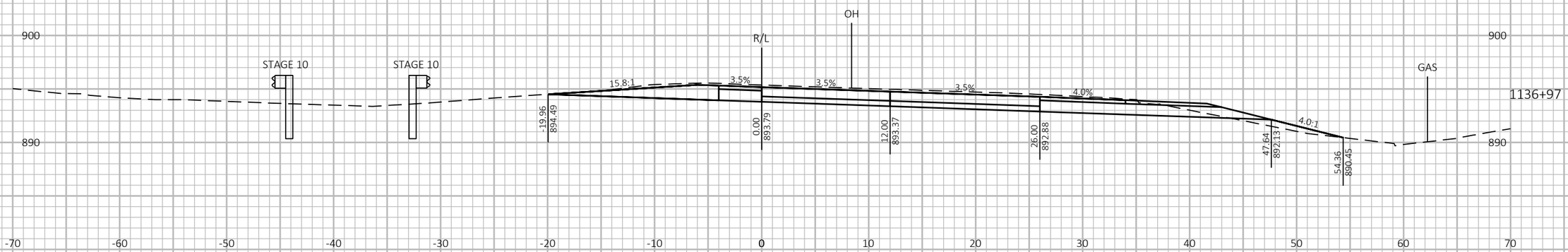
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/26/2023 8:36 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

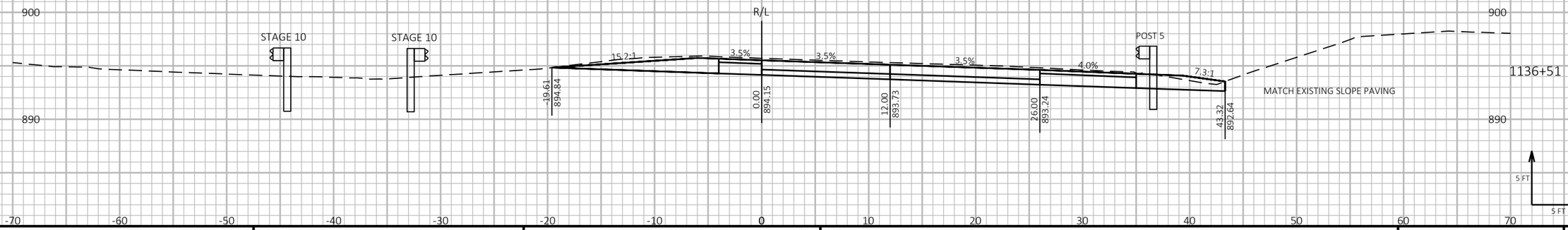
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 596	E

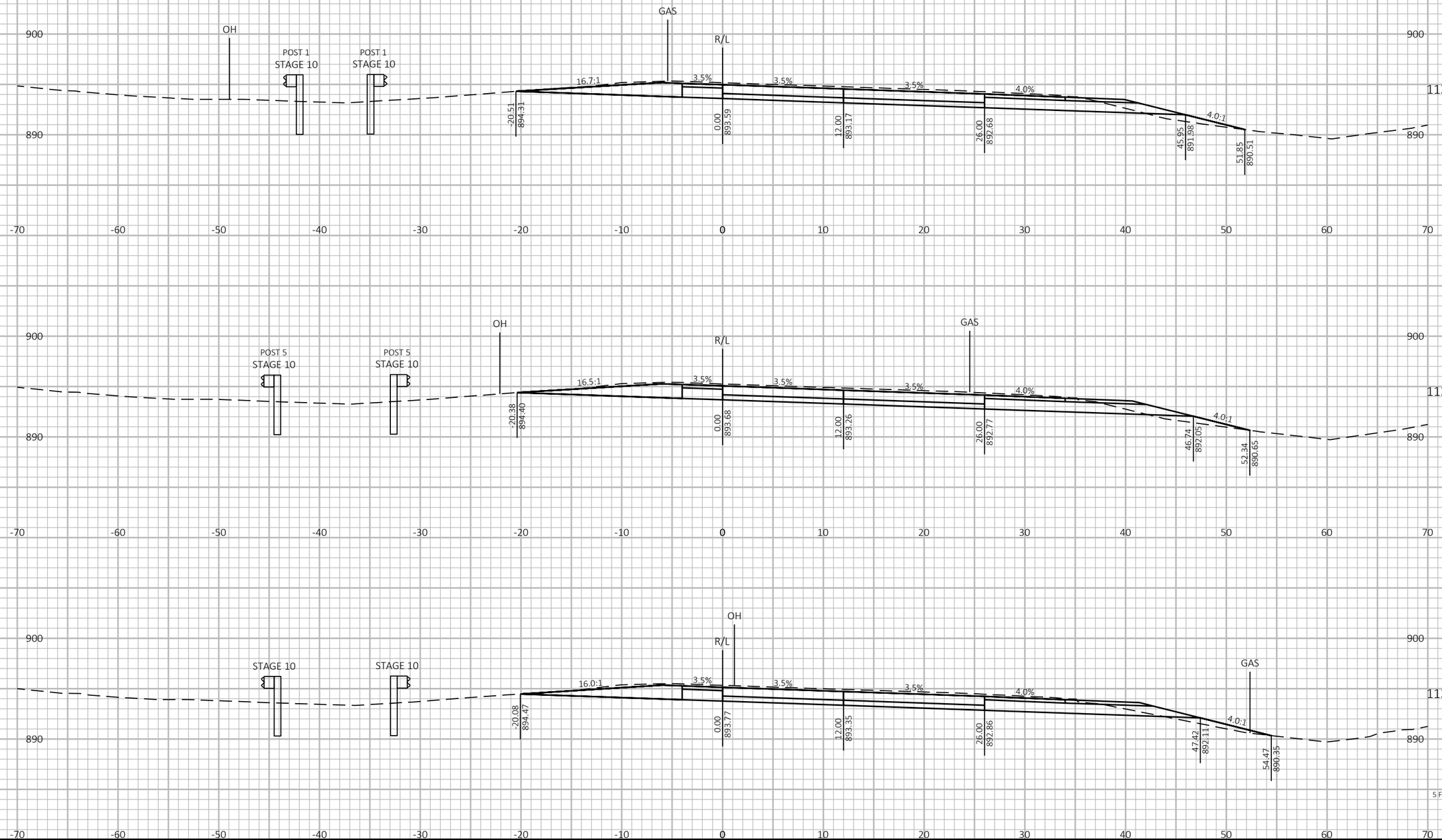
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 07

PLOT DATE : 7/26/2023 8:36 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 597	E

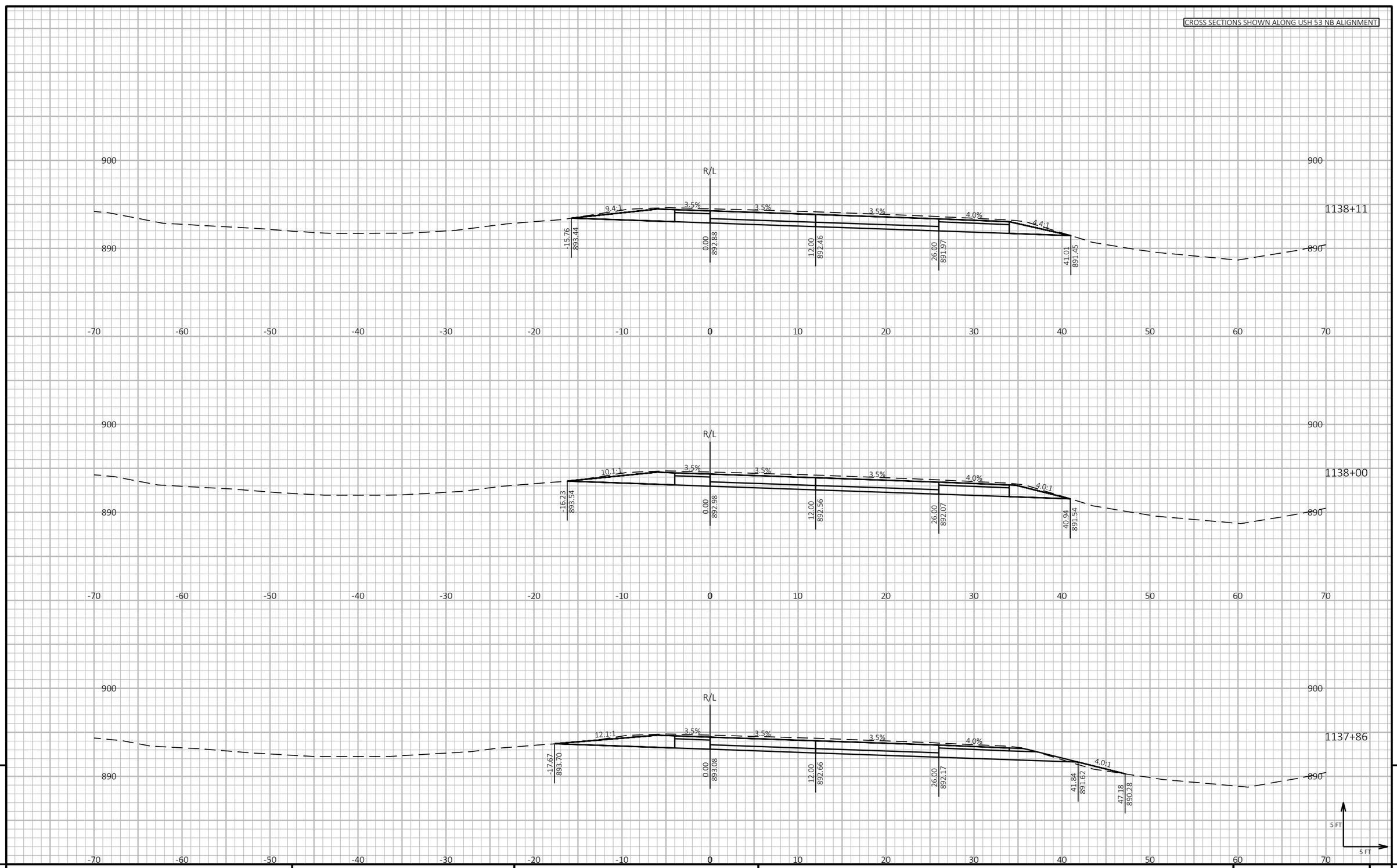
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 08

PLOT DATE : 7/26/2023 8:36 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 598	E

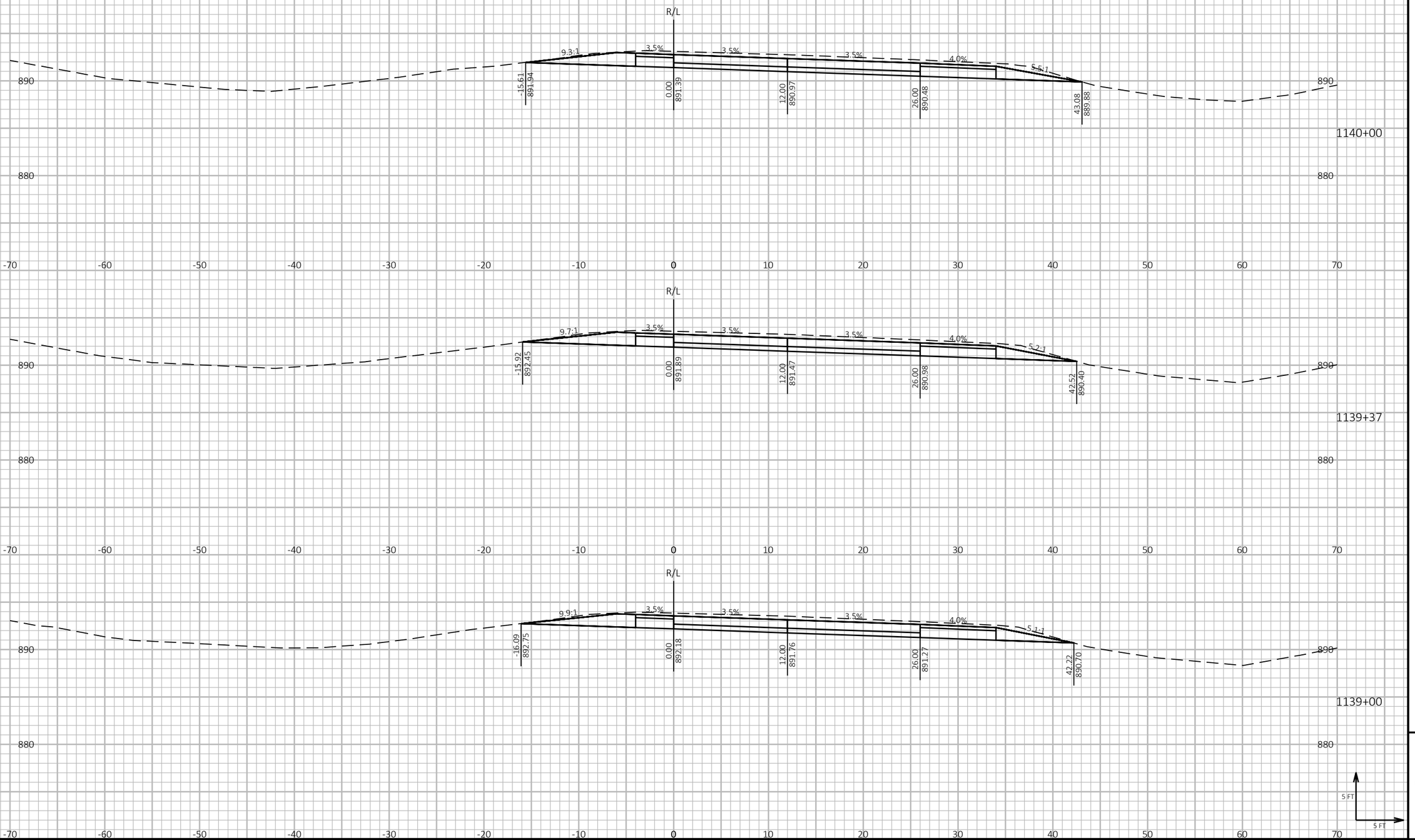
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 09

PLOT DATE : 7/26/2023 8:36 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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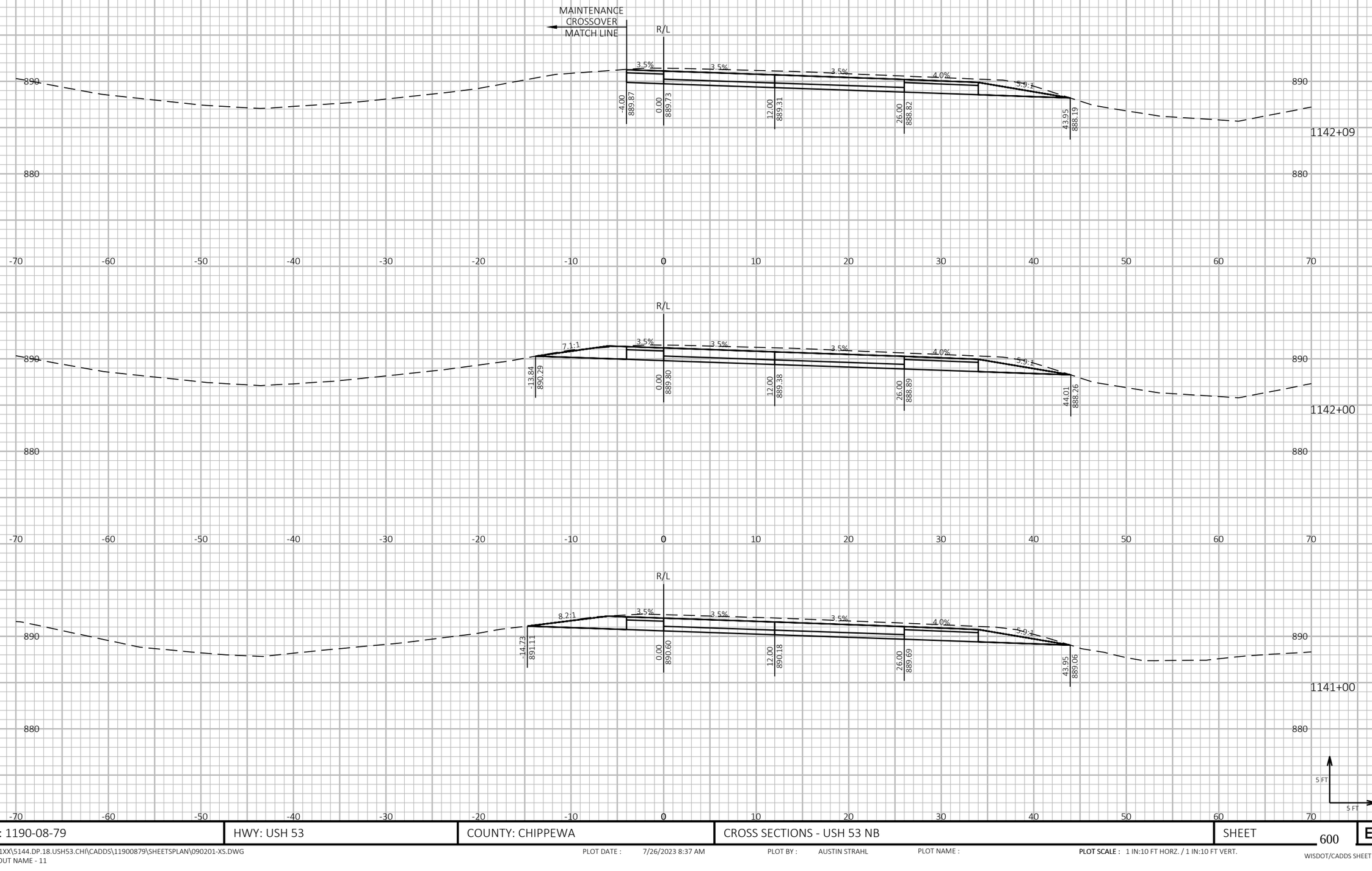
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 599	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 10

PLOT DATE : 7/26/2023 8:36 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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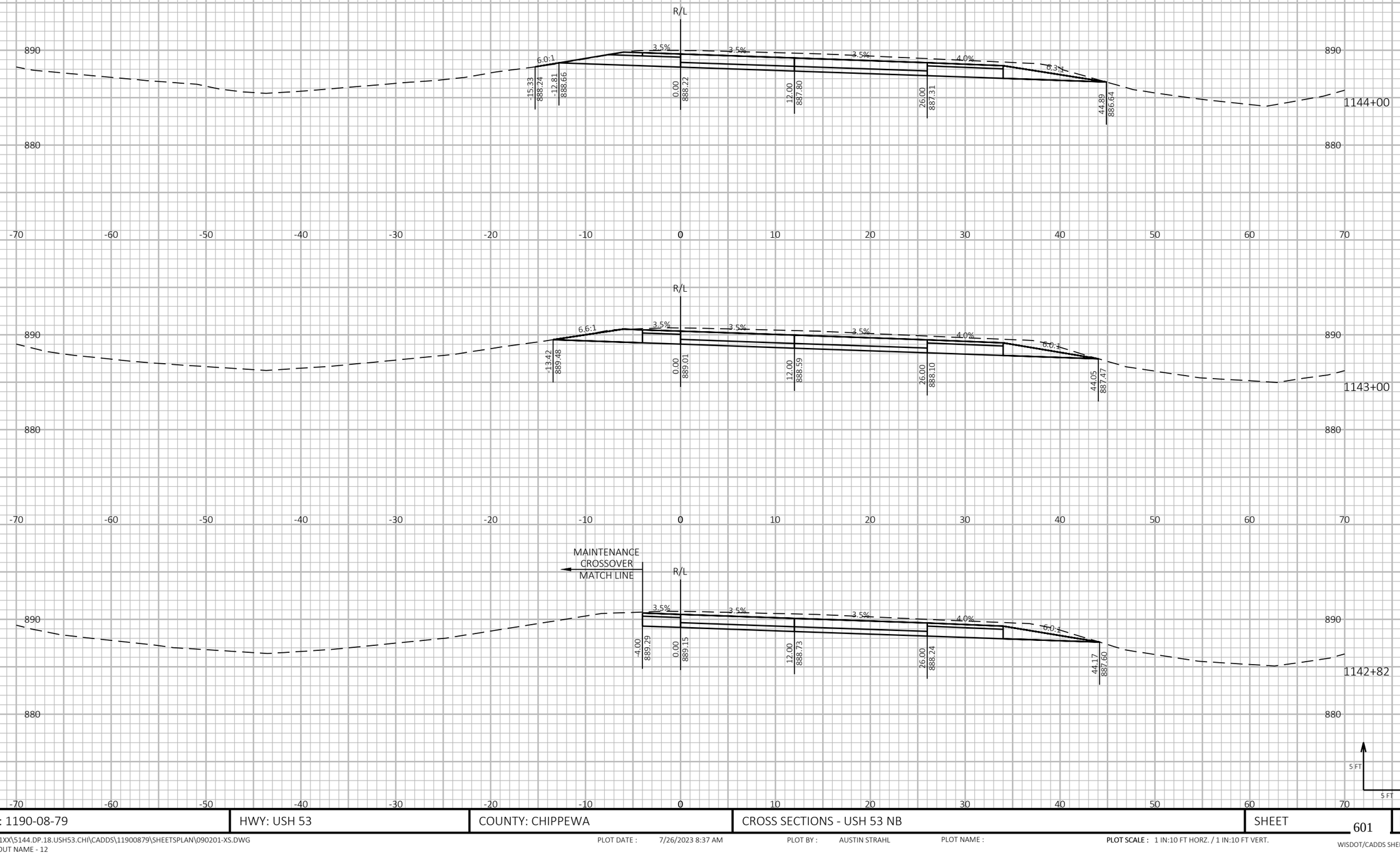
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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 600	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 11

PLOT DATE : 7/26/2023 8:37 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 601	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 12

PLOT DATE : 7/26/2023 8:37 AM

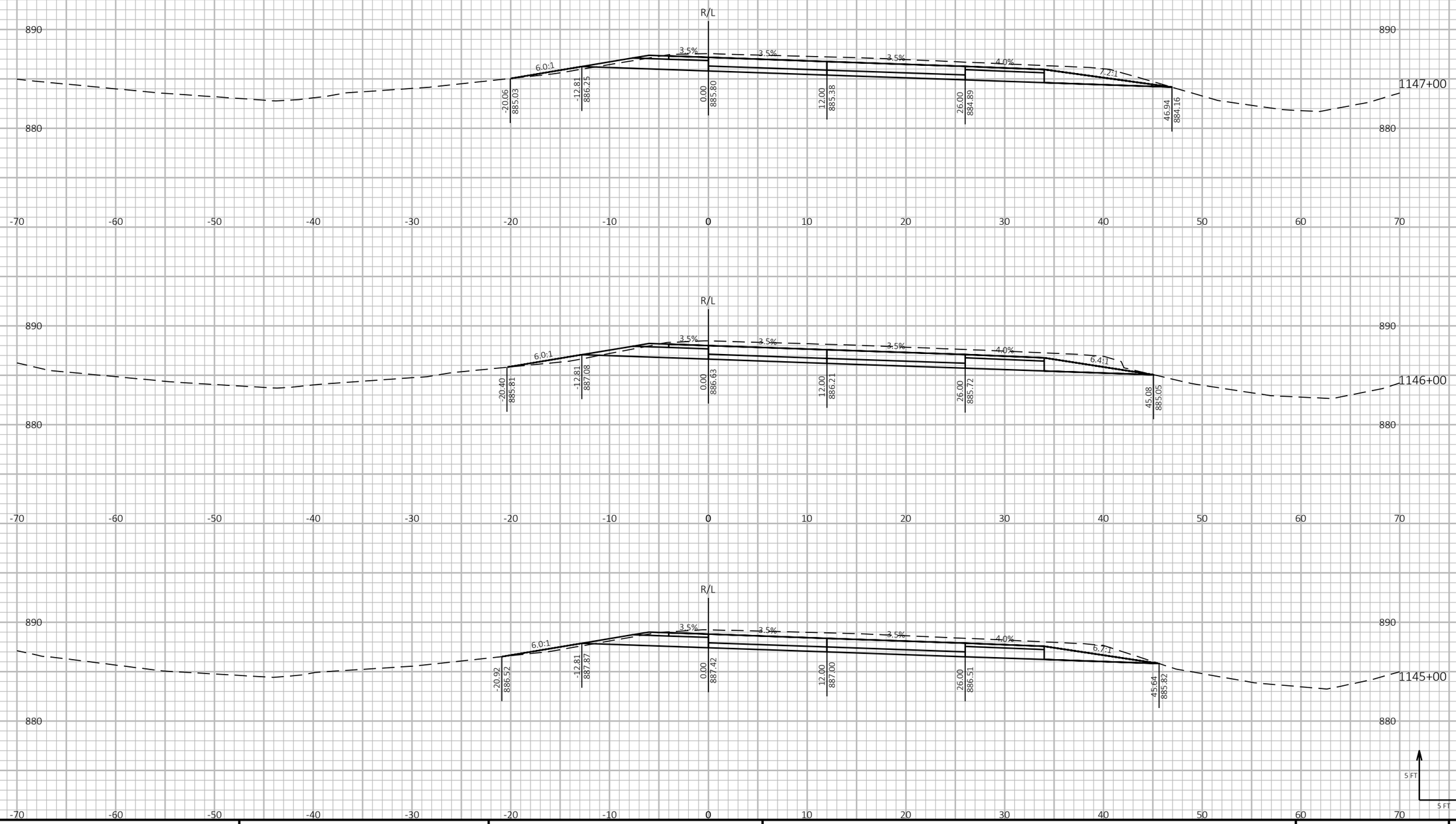
PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 602	E

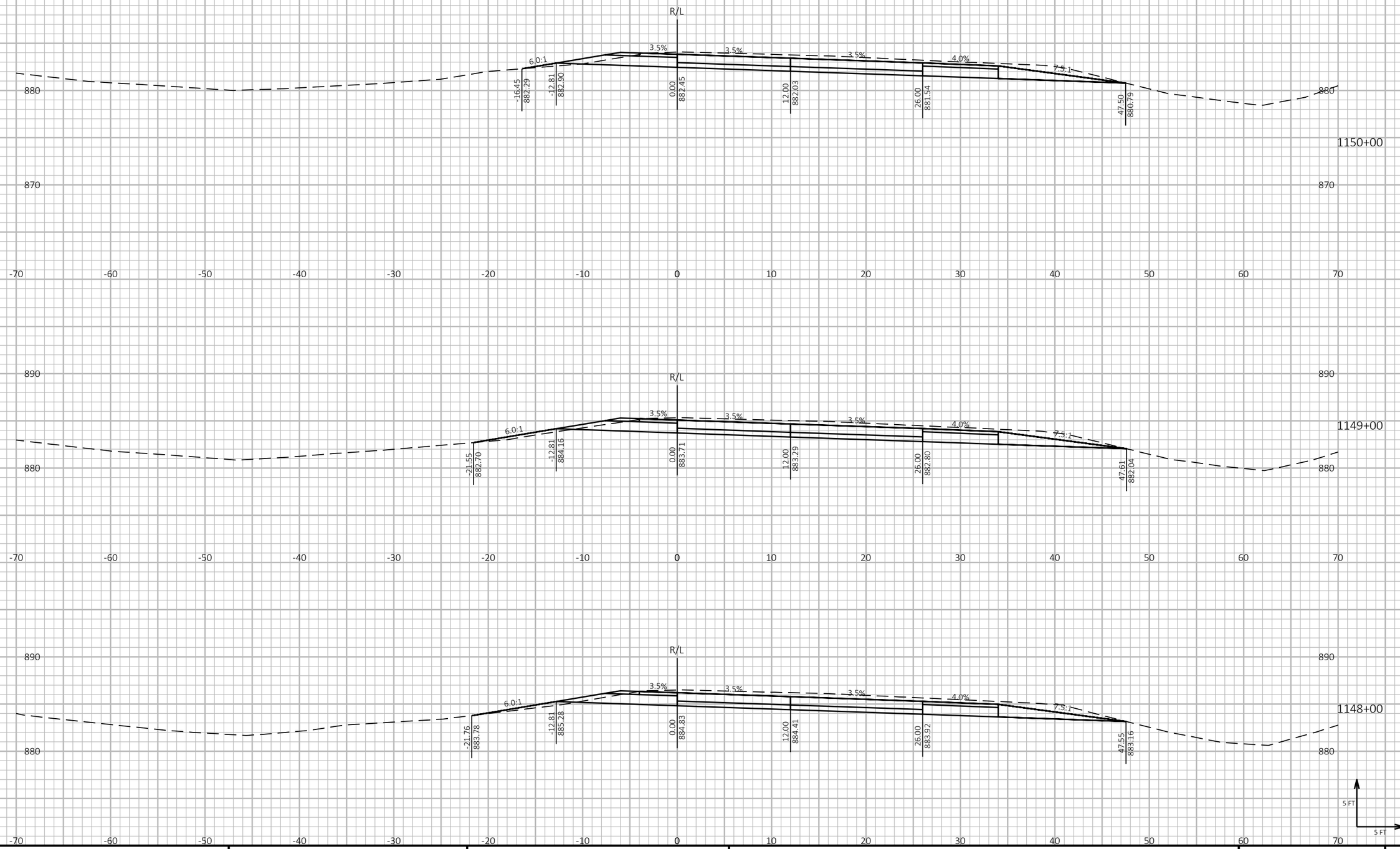
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 13

PLOT DATE : 7/26/2023 8:37 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 603	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 14

PLOT DATE : 7/26/2023 8:37 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT

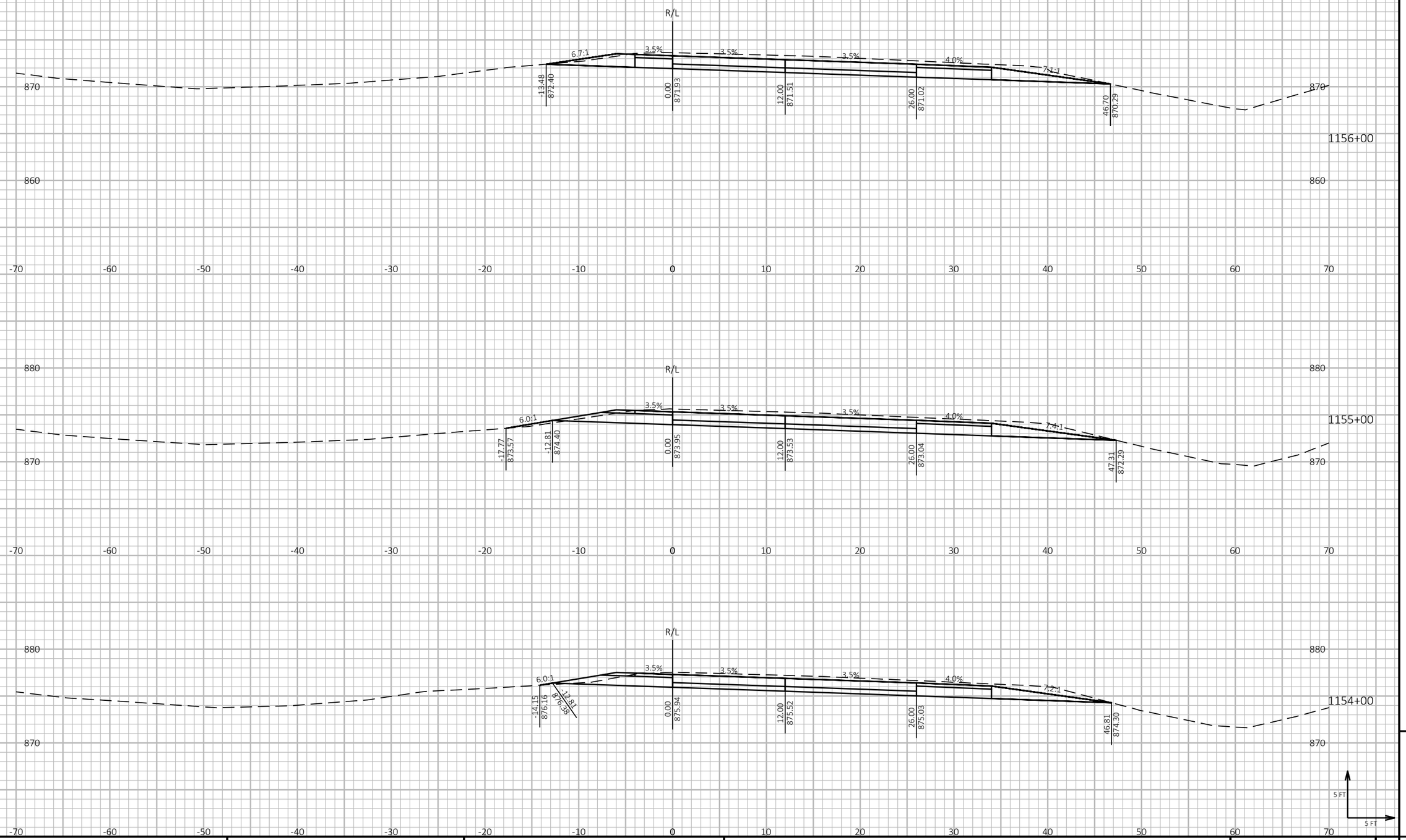
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 604	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 15

PLOT DATE : 7/26/2023 8:37 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 605	E

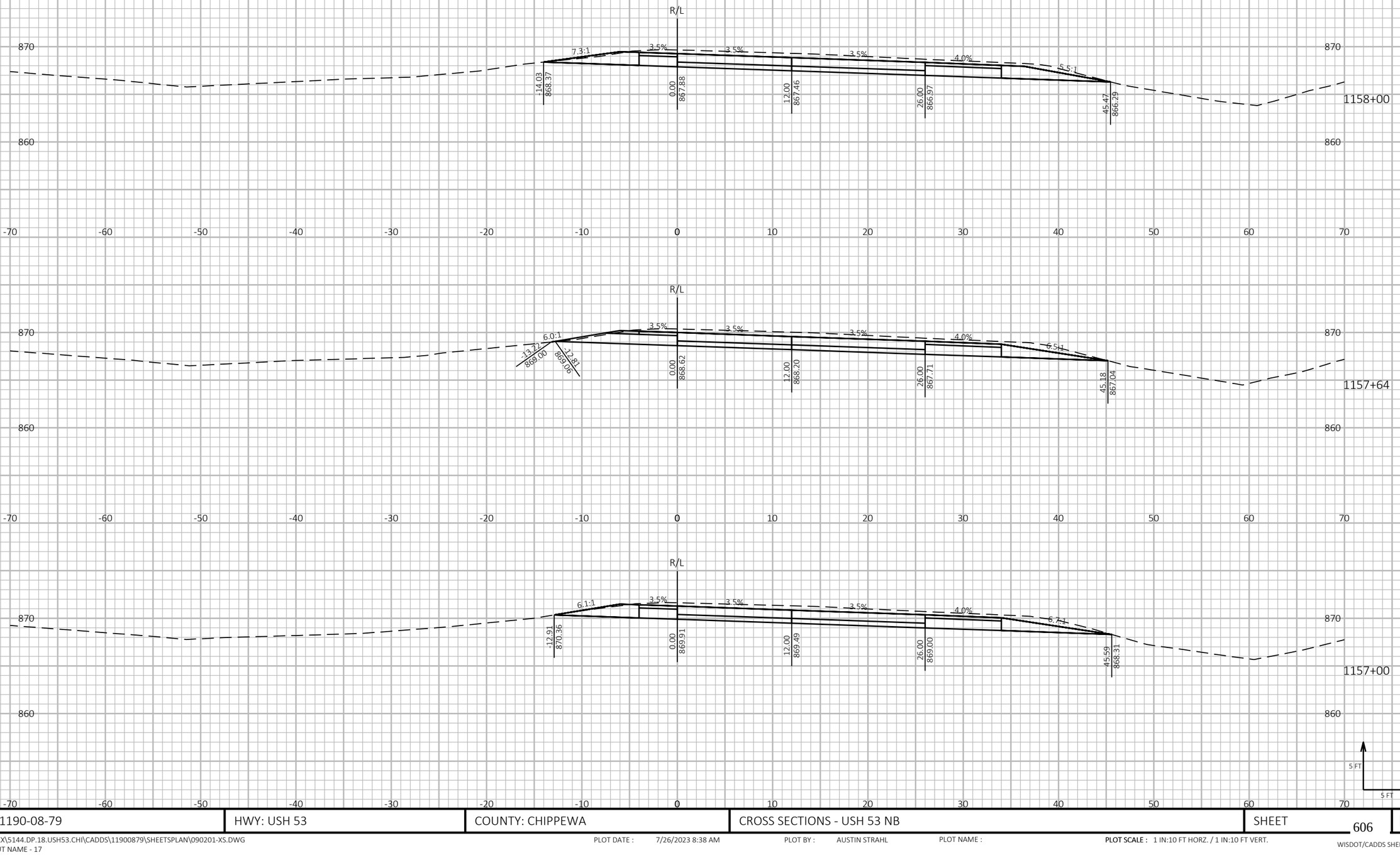
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 16

PLOT DATE : 7/26/2023 8:37 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 606	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 17

PLOT DATE : 7/26/2023 8:38 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT

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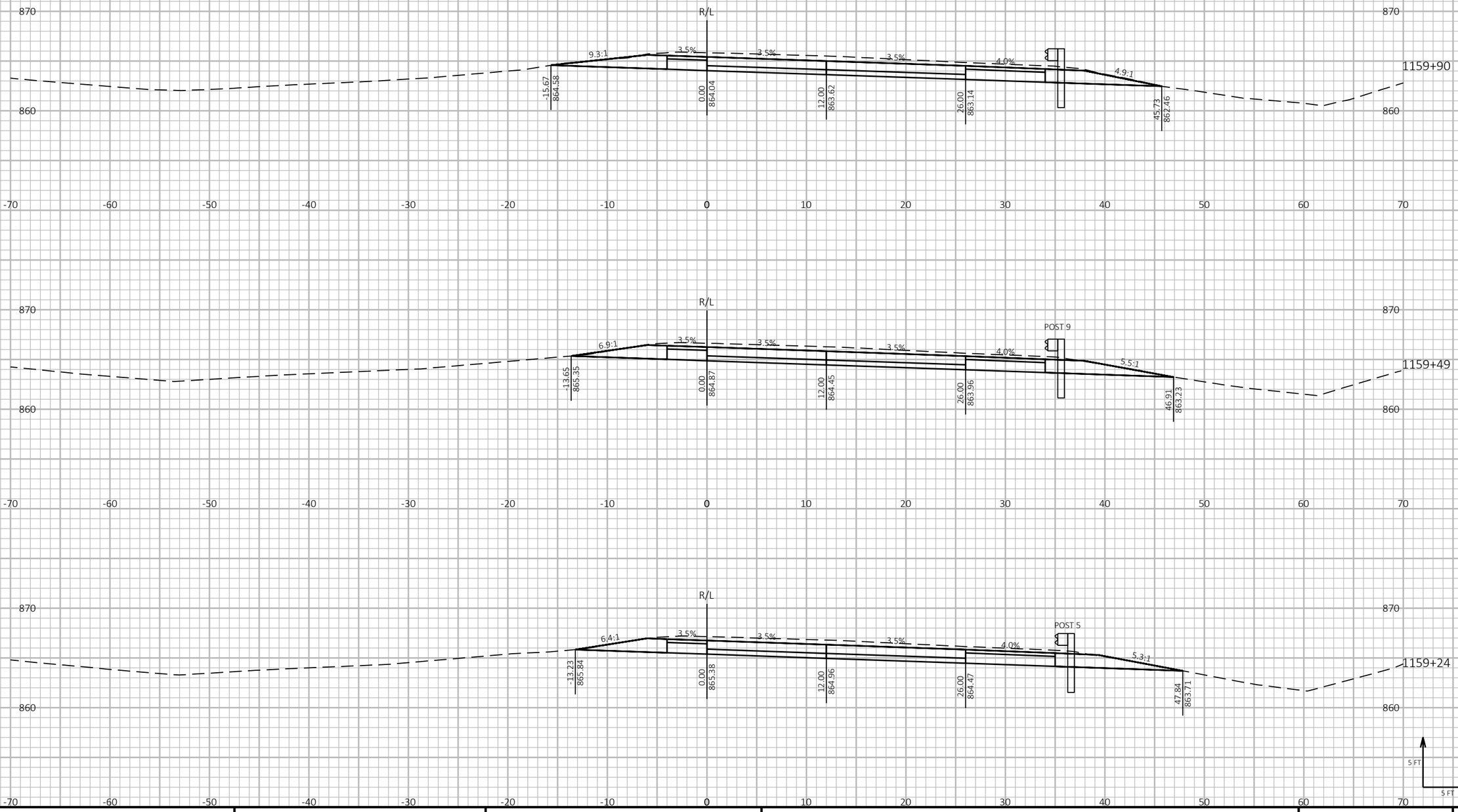
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 607	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 18

PLOT DATE : 7/26/2023 8:38 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 608	E

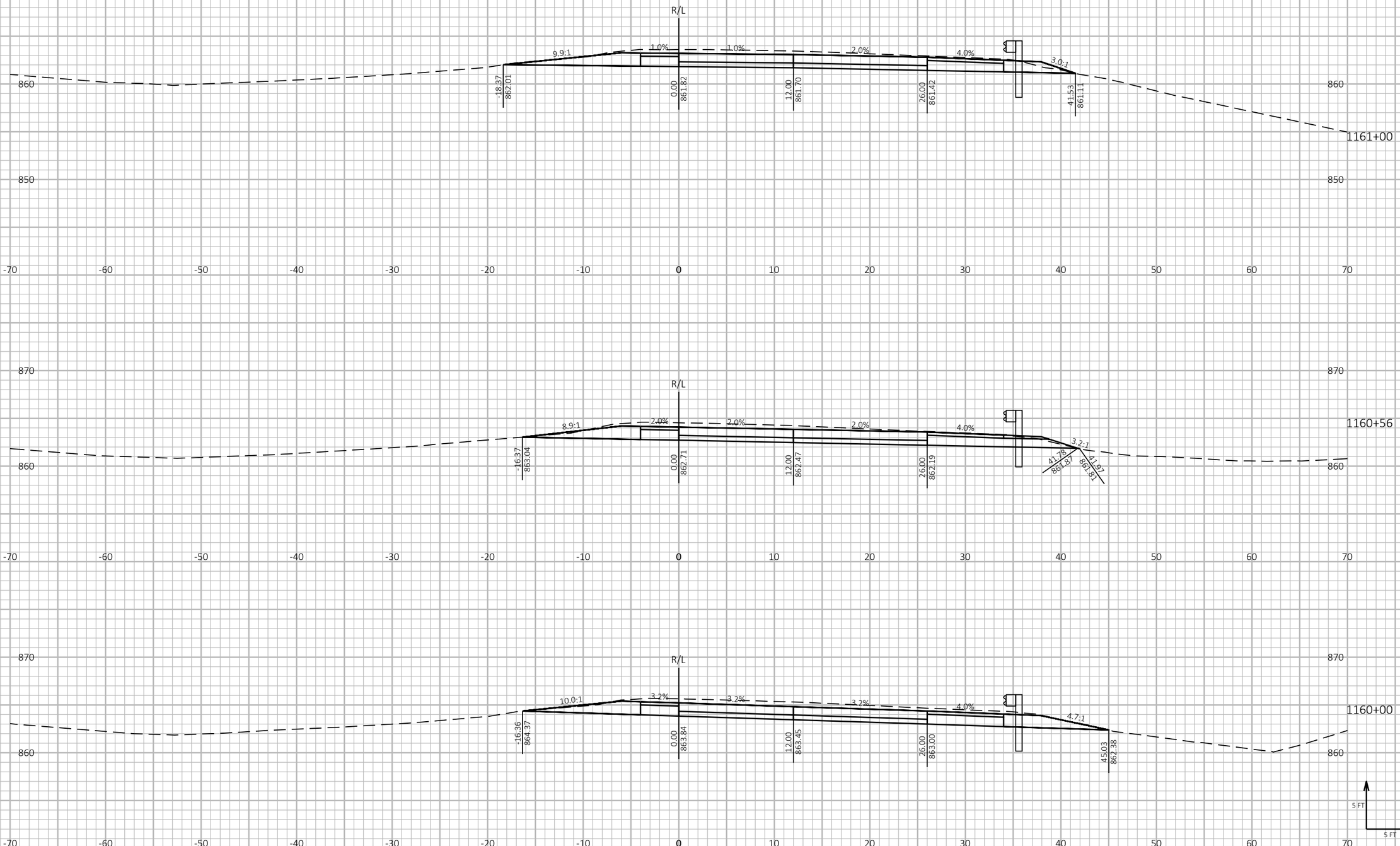
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 19

PLOT DATE : 7/26/2023 8:38 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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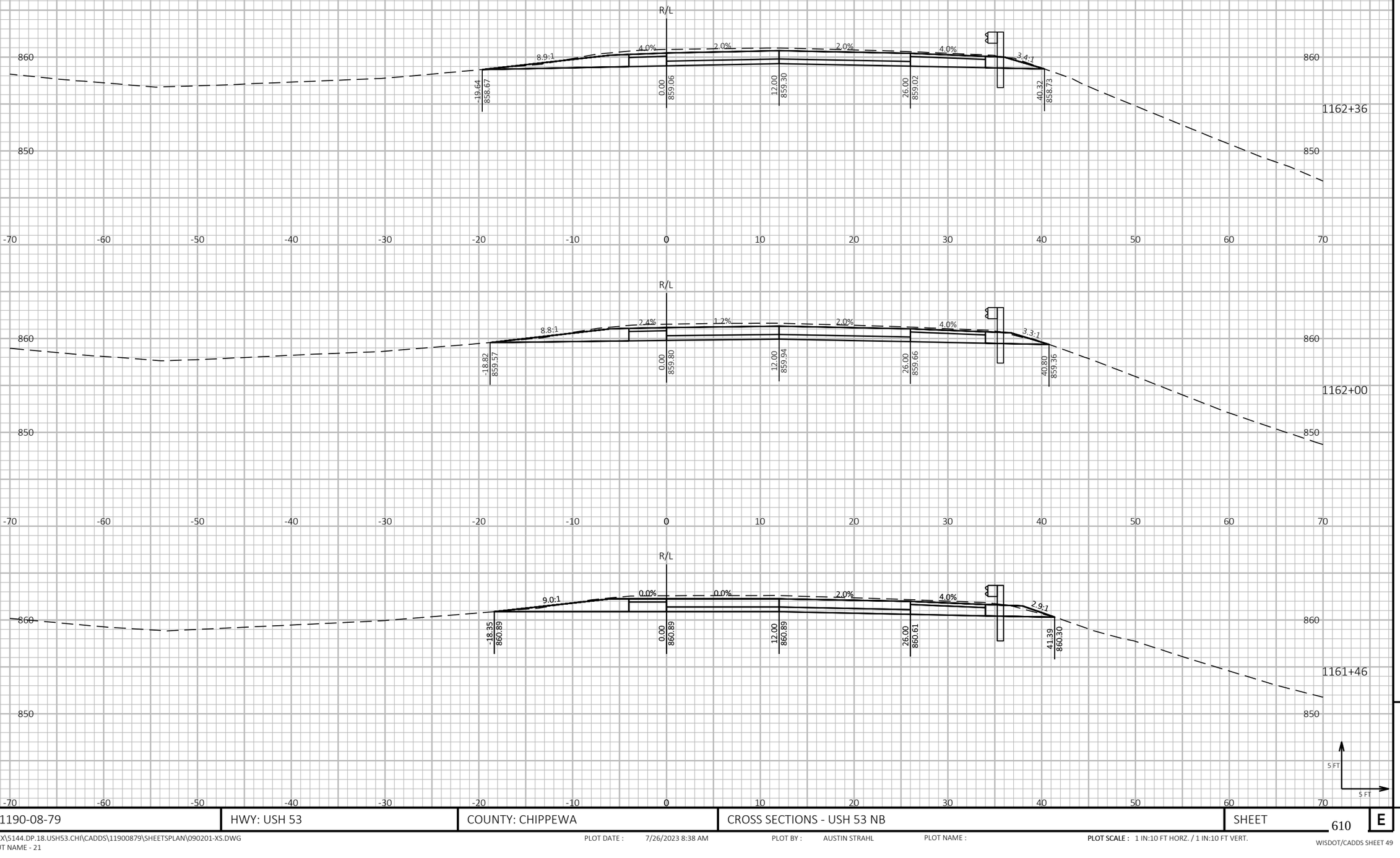
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 609	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 20

PLOT DATE : 7/26/2023 8:38 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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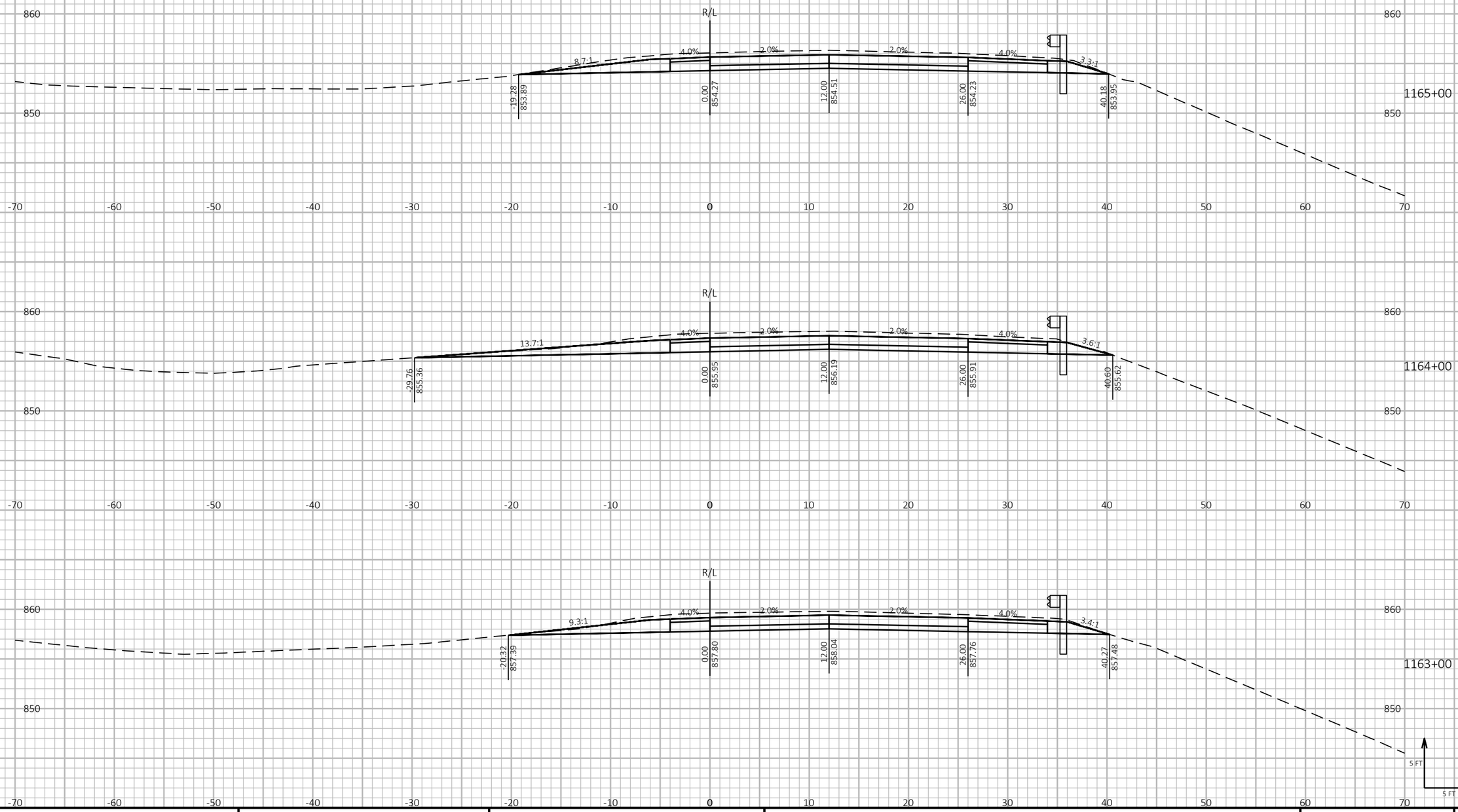
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 610	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 21

PLOT DATE : 7/26/2023 8:38 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 611	E

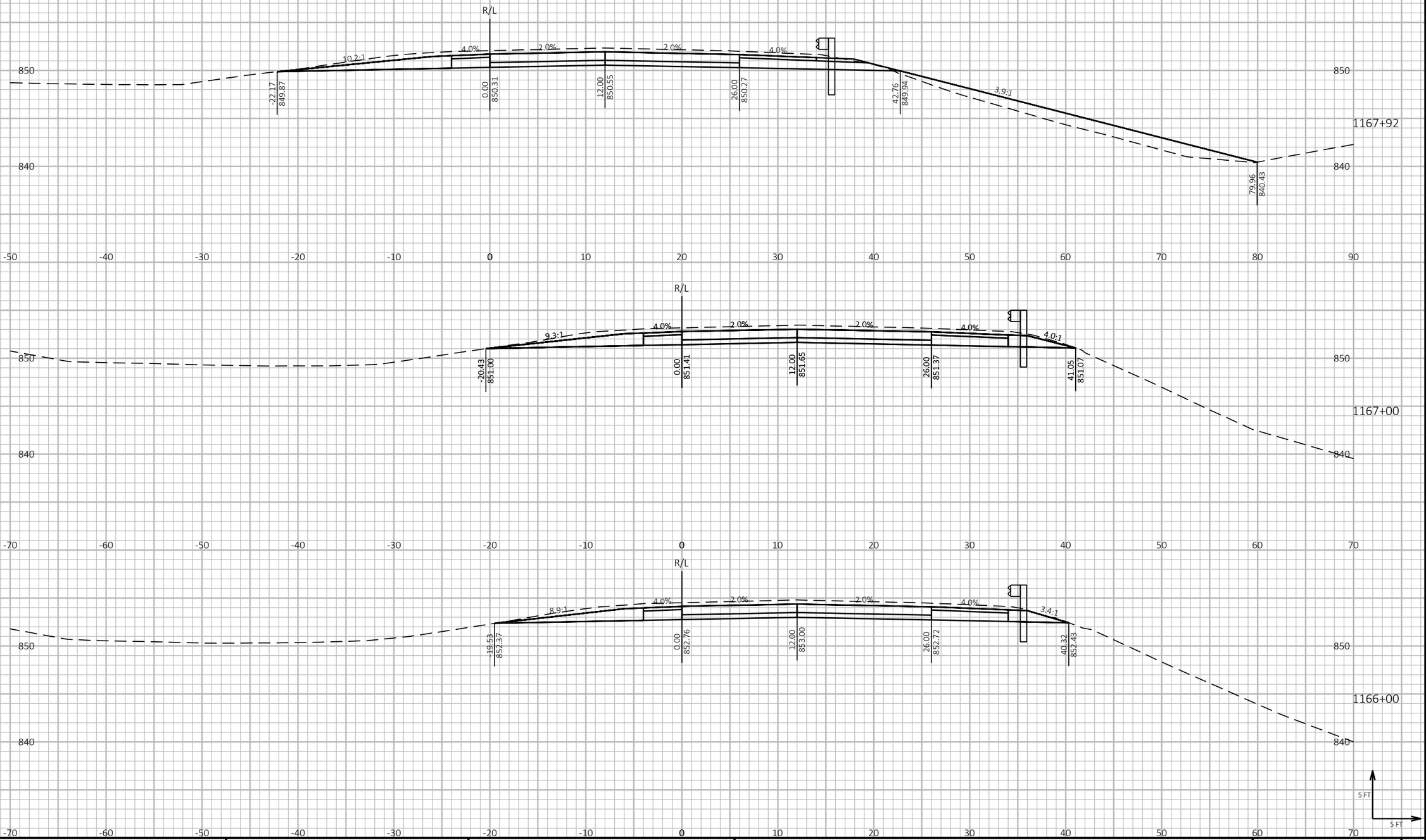
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 22

PLOT DATE : 7/26/2023 8:38 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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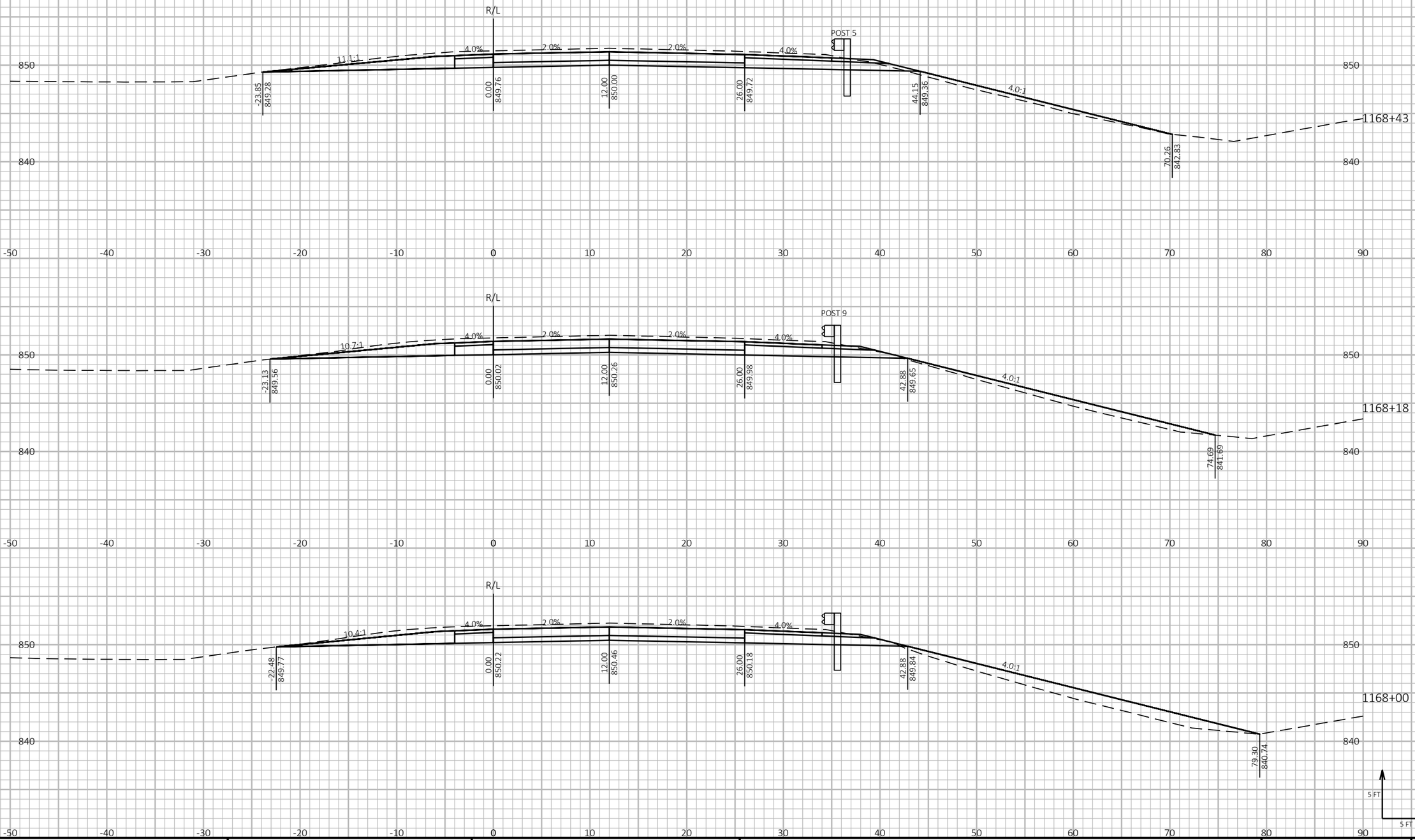
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 612	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 23

PLOT DATE : 7/26/2023 8:39 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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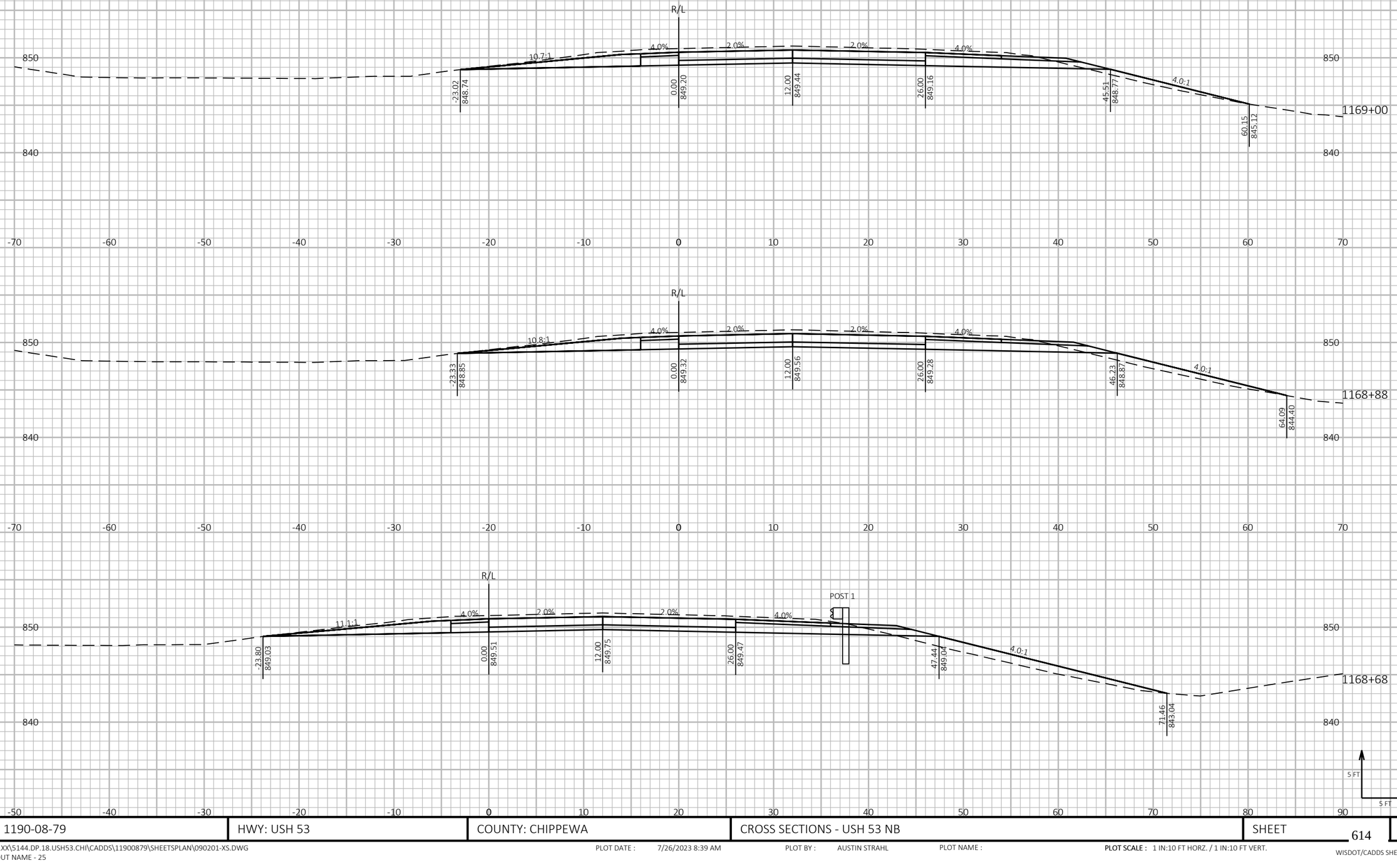
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 613	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 24

PLOT DATE : 7/26/2023 8:39 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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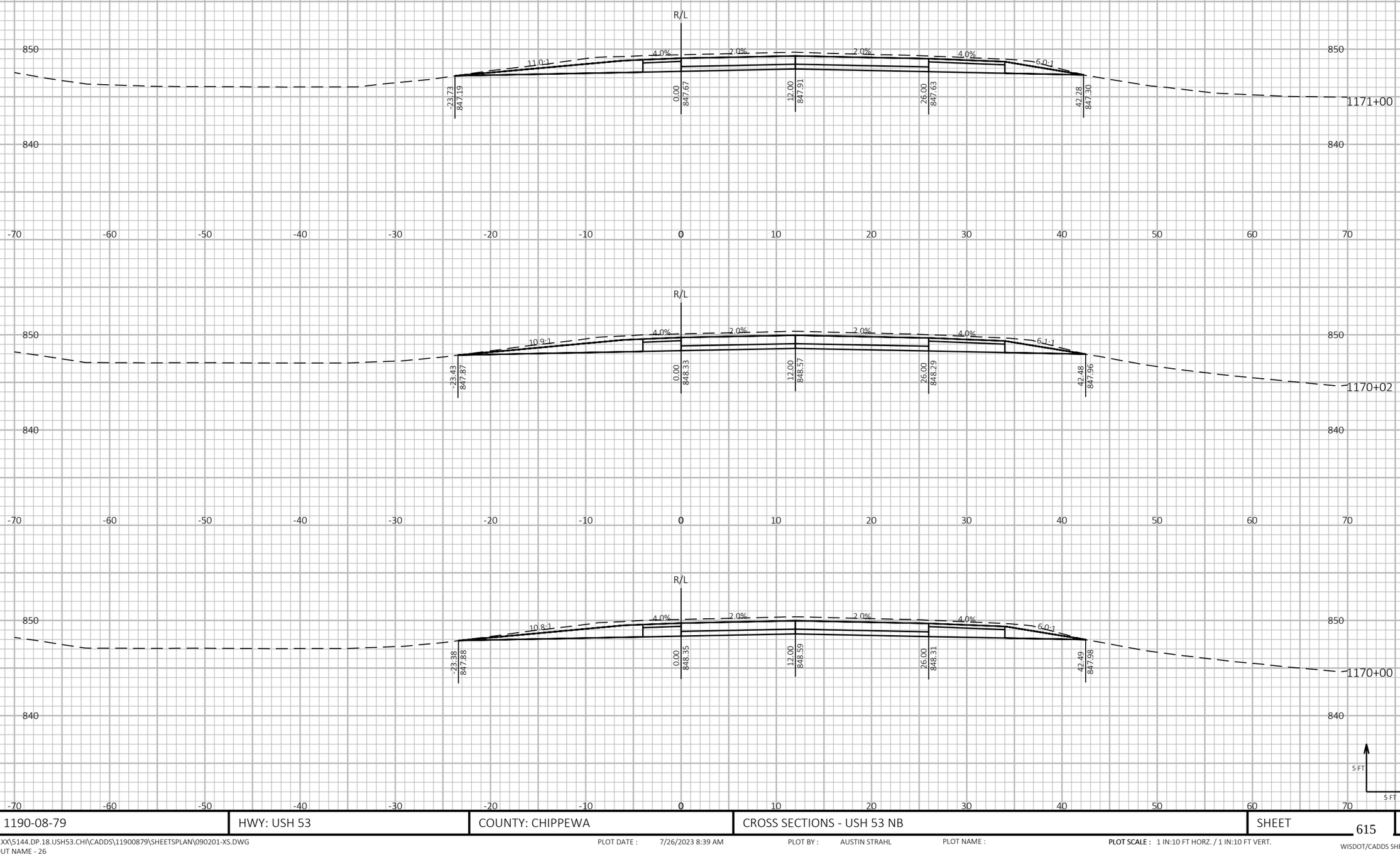
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 614	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 25

PLOT DATE : 7/26/2023 8:39 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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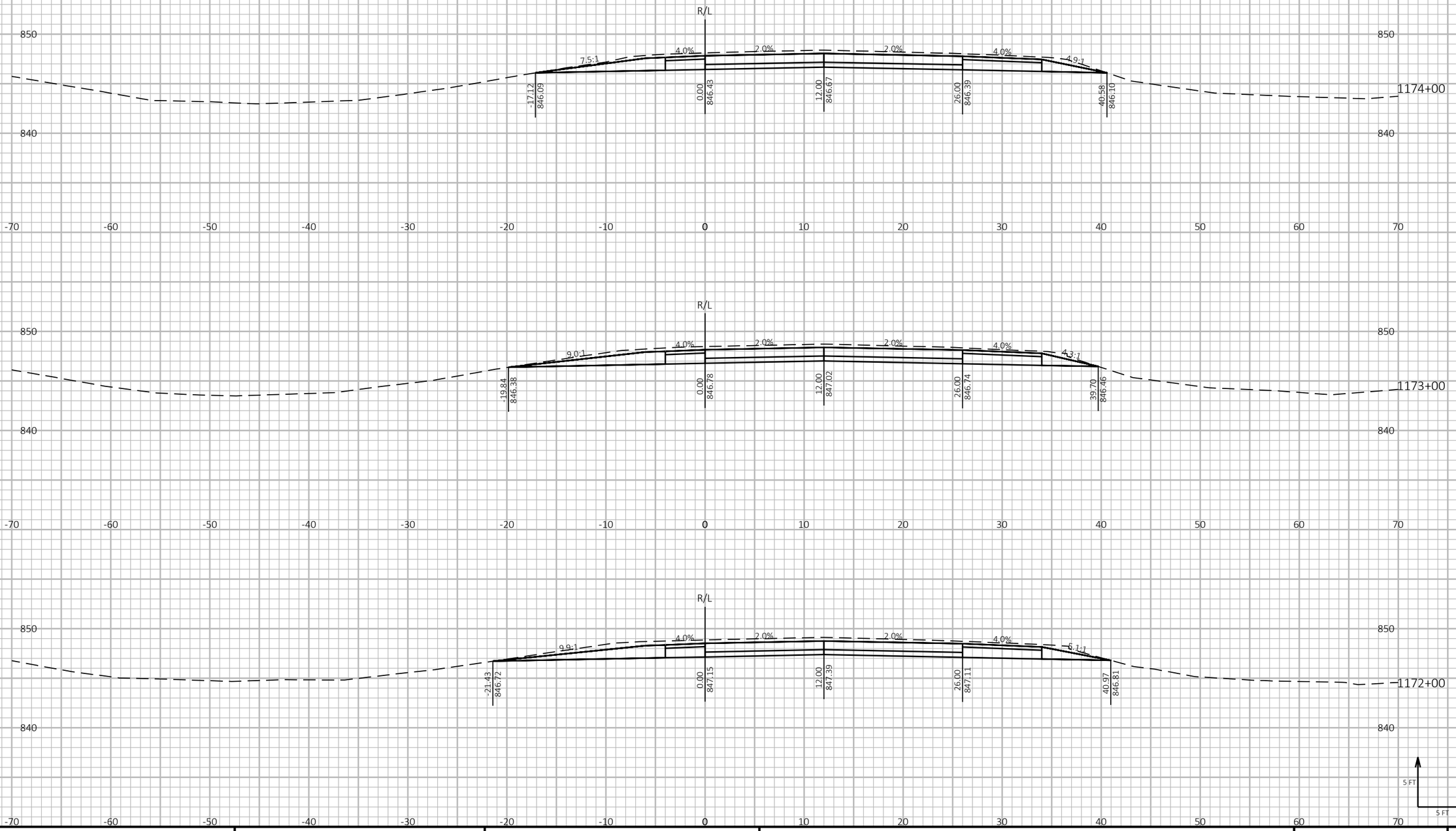
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 615	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 26

PLOT DATE : 7/26/2023 8:39 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 616	E

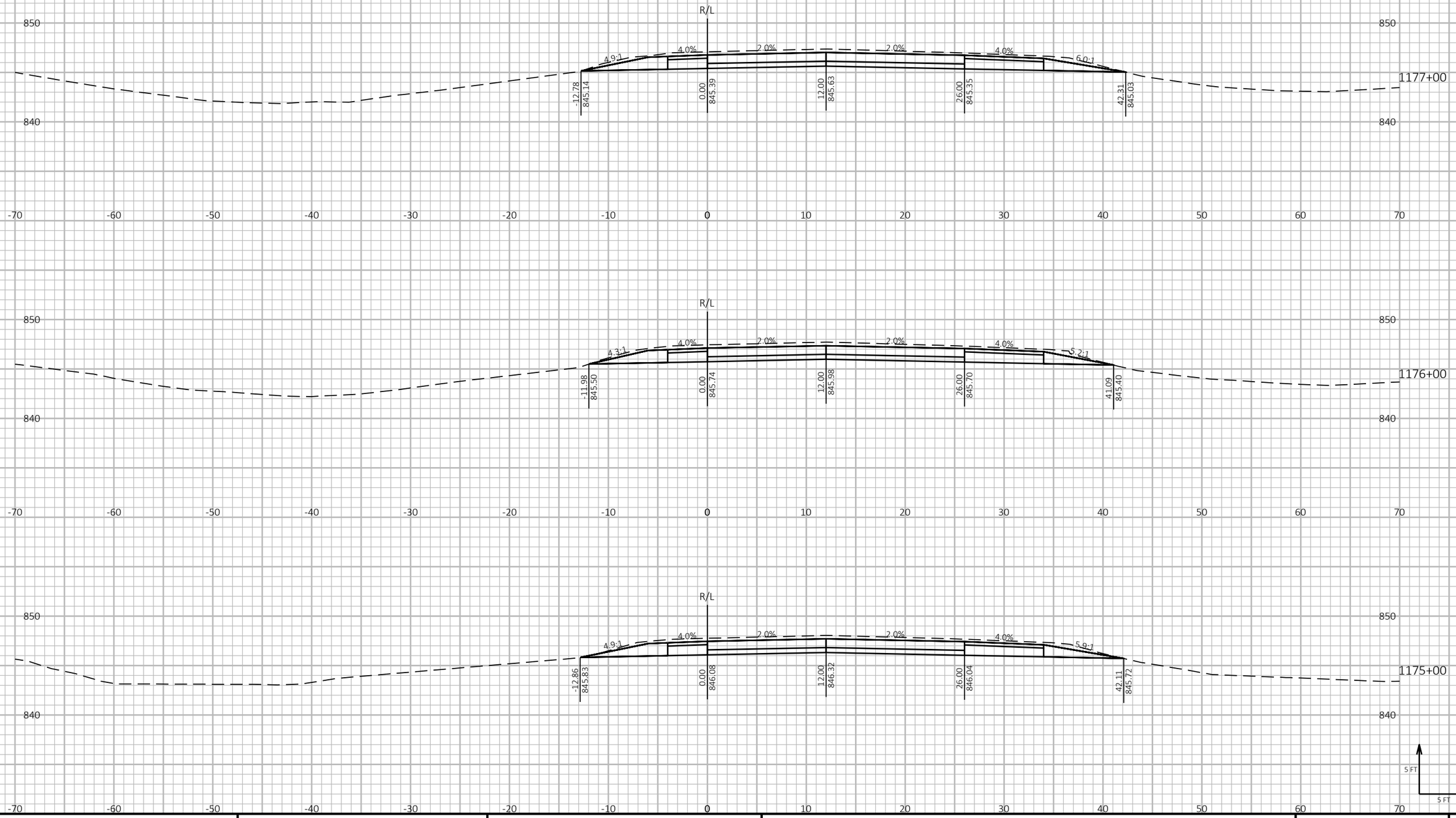
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 27

PLOT DATE : 7/26/2023 8:39 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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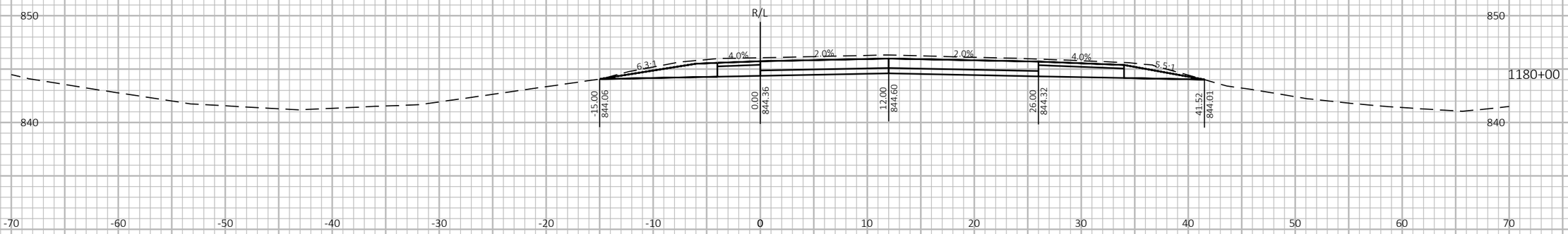
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 617	E

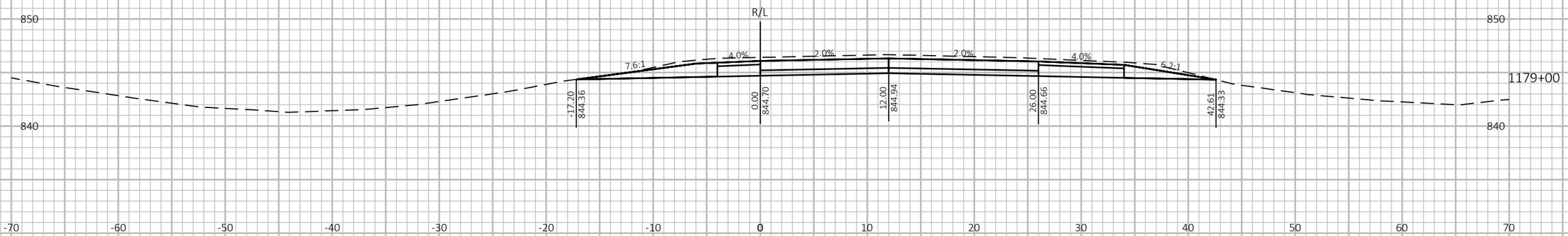
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 28

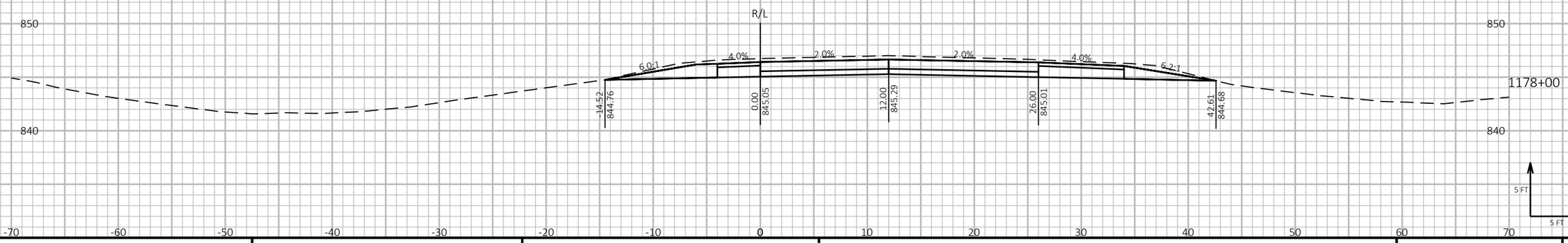
PLOT DATE : 7/26/2023 8:39 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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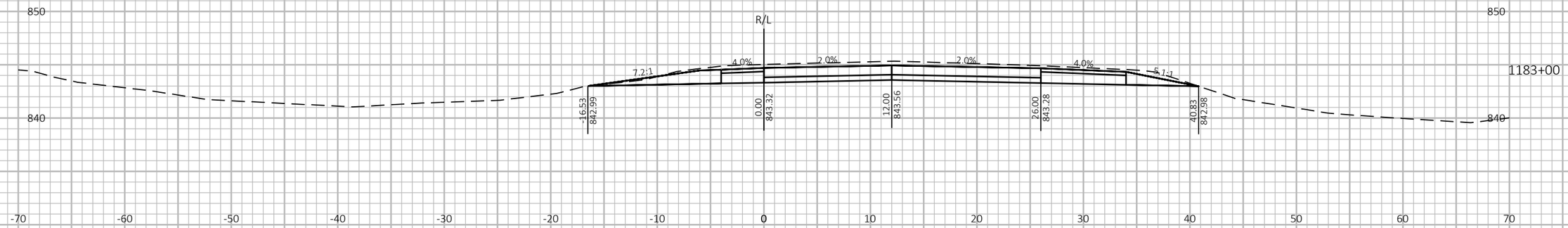
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 618	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 29

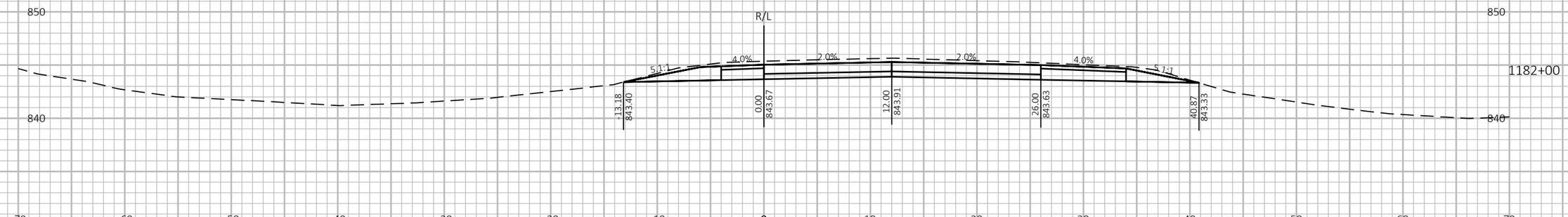
PLOT DATE : 7/26/2023 8:40 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

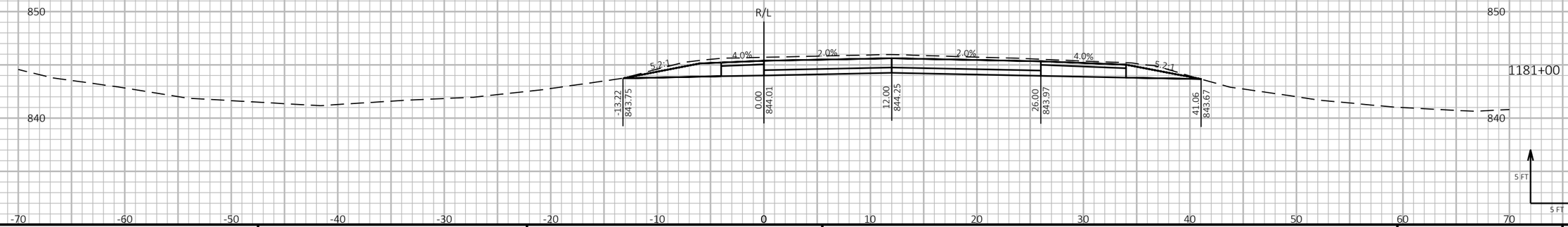
CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



1183+00



1182+00



1181+00

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 619	E

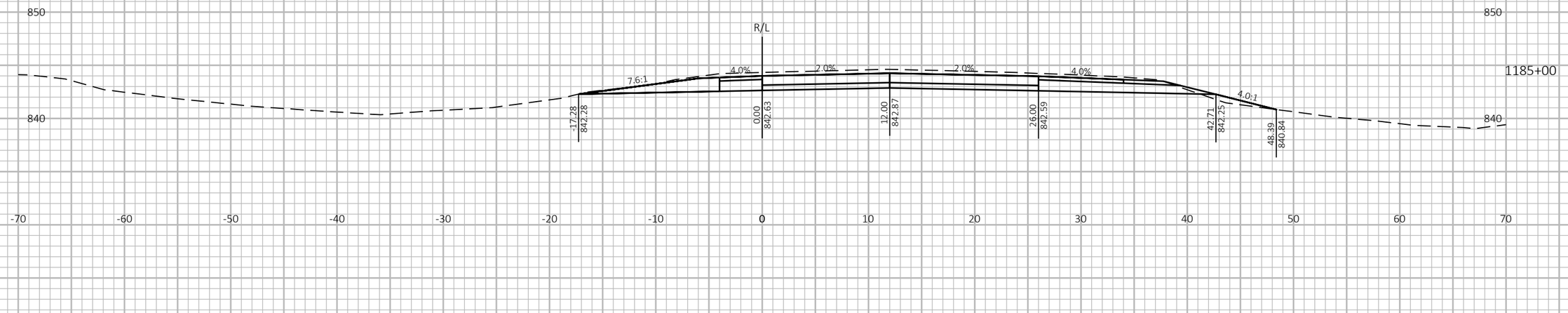
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 30

PLOT DATE : 7/26/2023 8:40 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

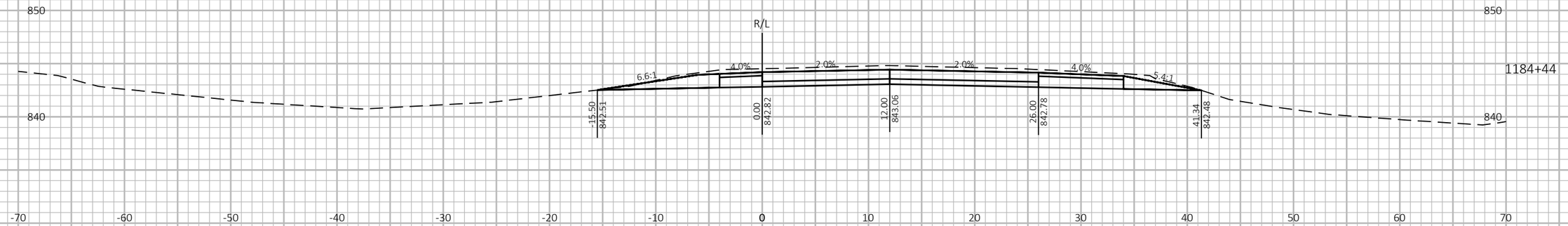
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

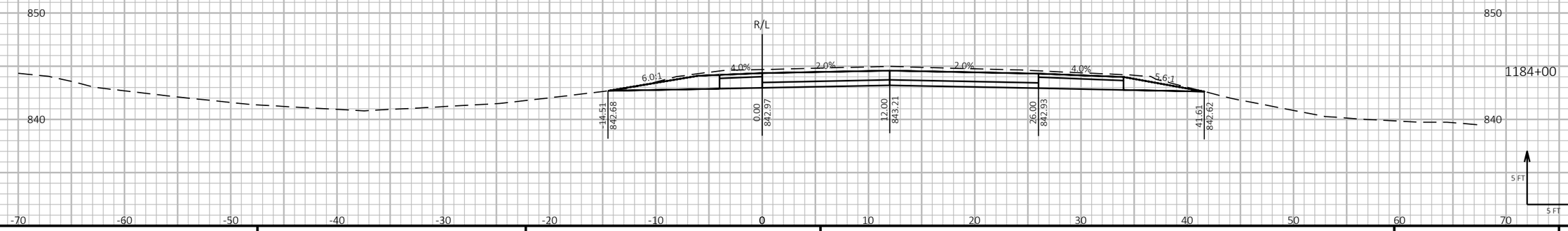
CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



1185+00



1184+44



1184+00

5 FT
5 FT

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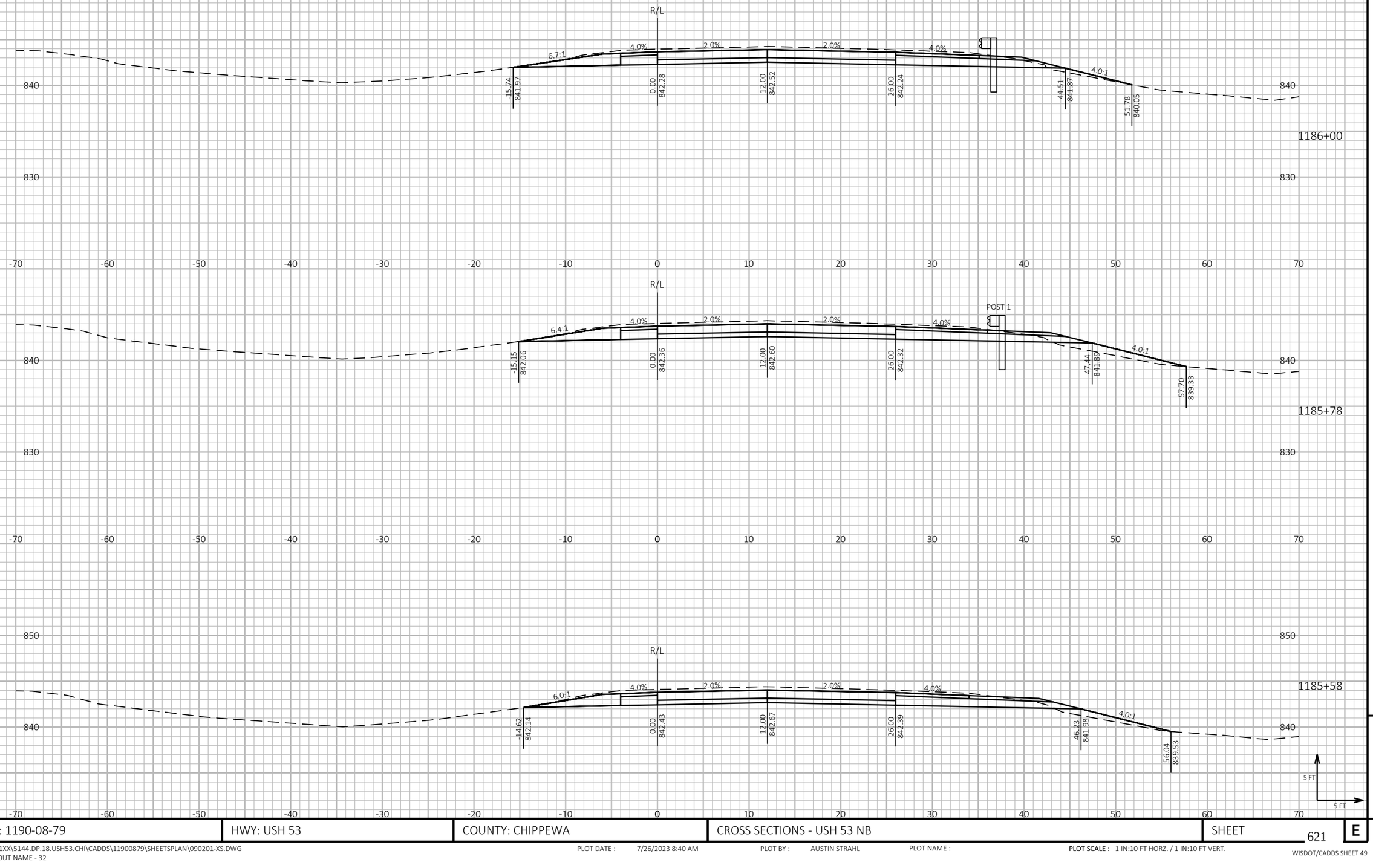
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 620	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 31

PLOT DATE : 7/26/2023 8:40 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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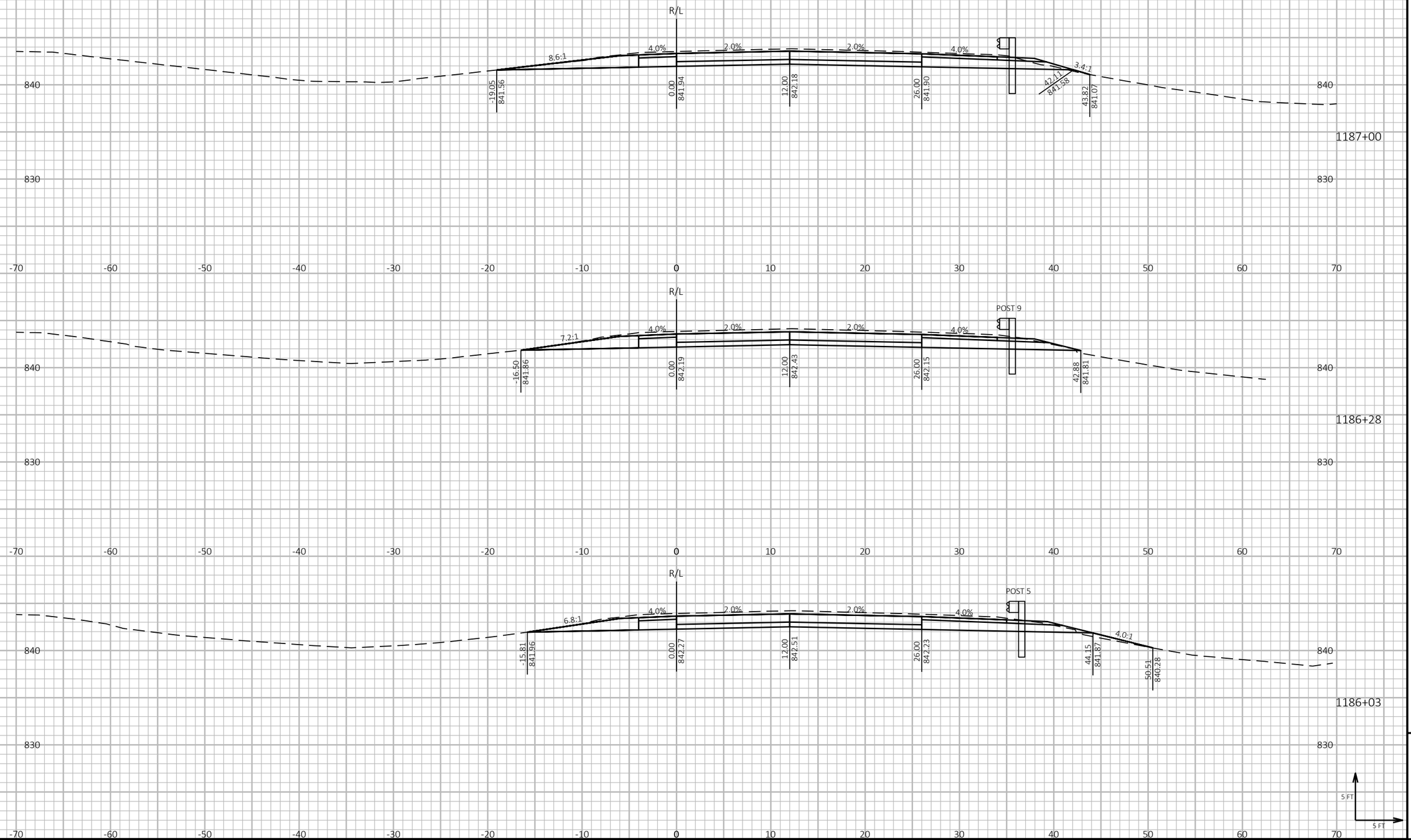
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 621	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 32

PLOT DATE : 7/26/2023 8:40 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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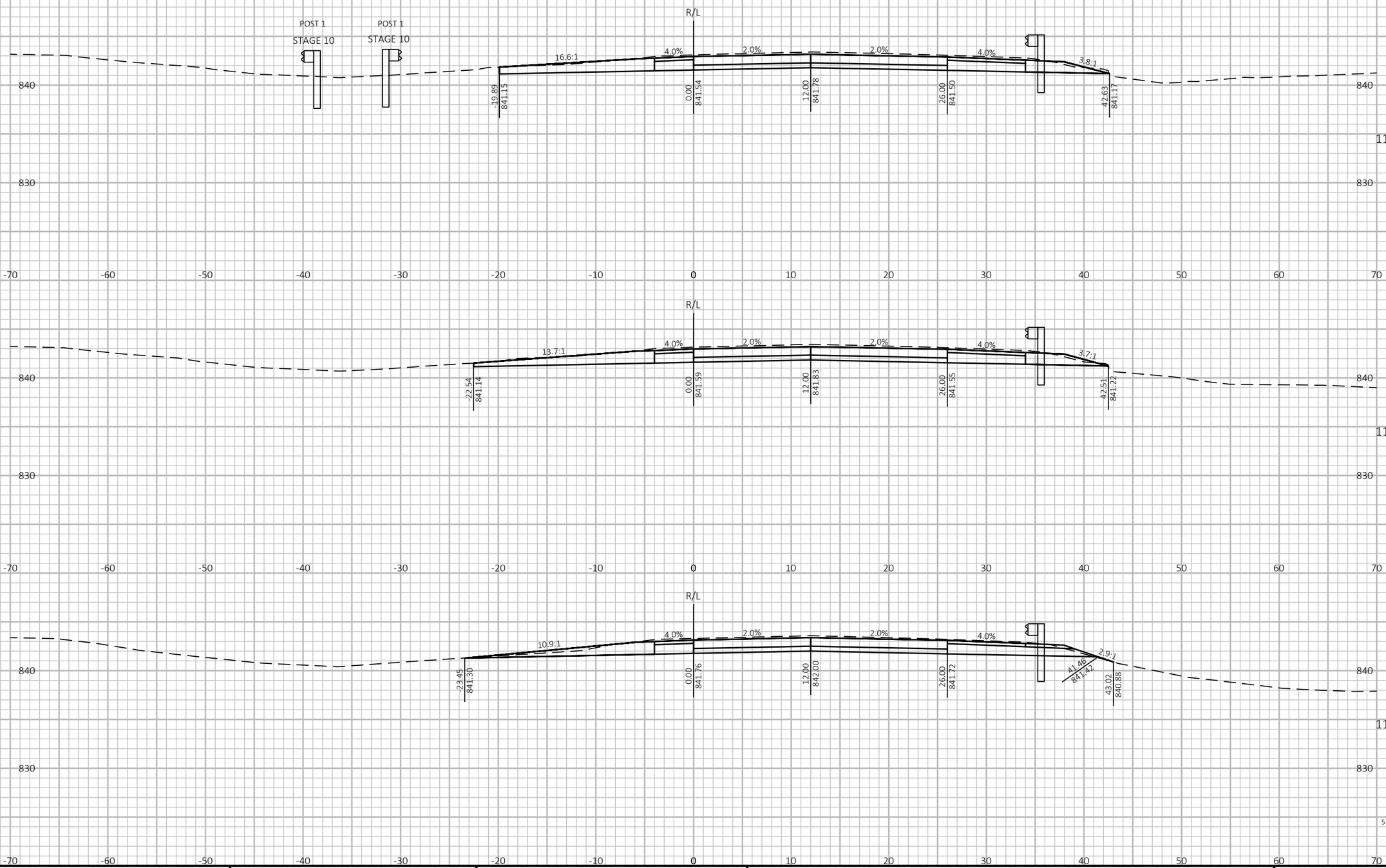
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 622	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 33

PLOT DATE : 7/26/2023 8:40 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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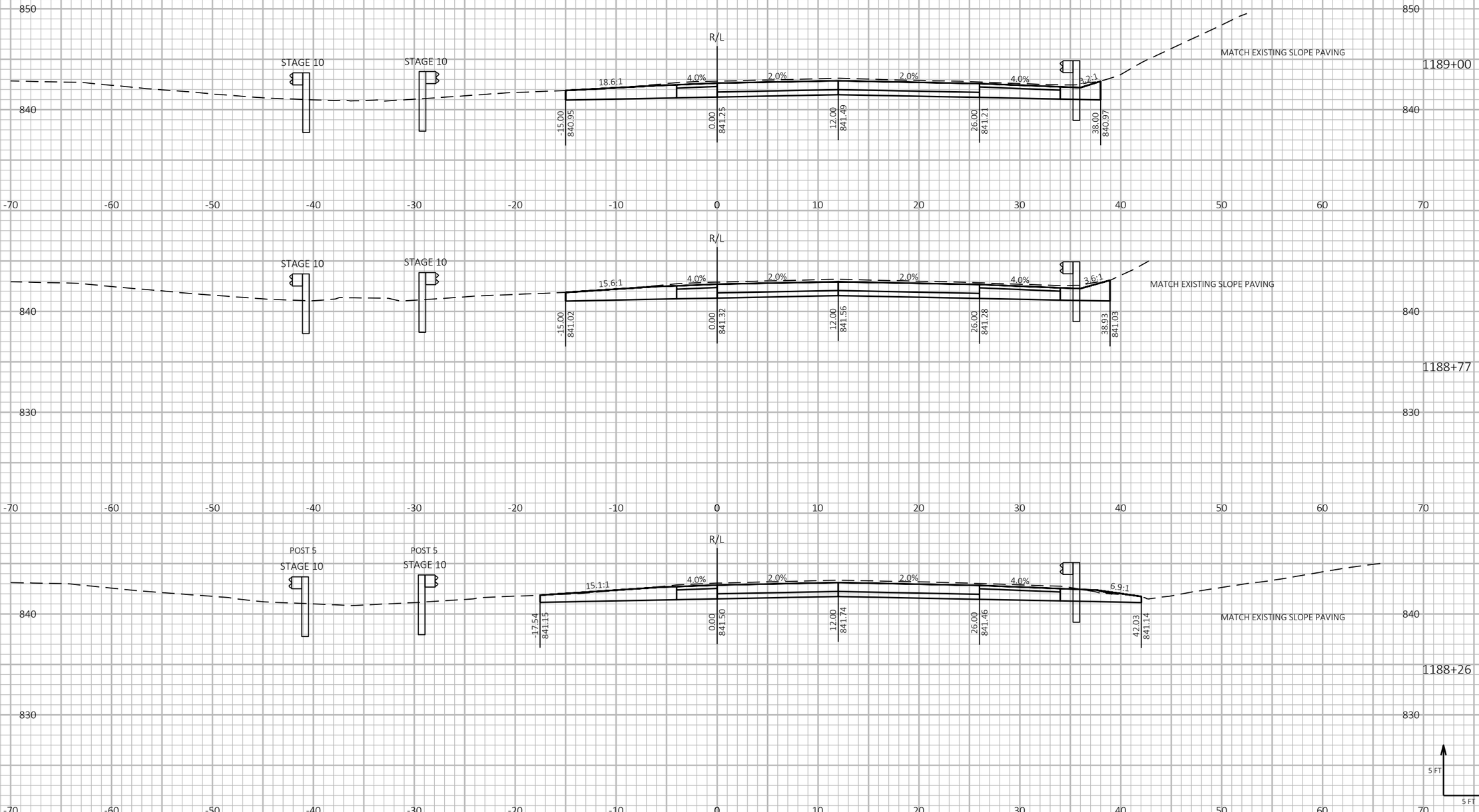
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 623	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 34

PLOT DATE : 7/26/2023 8:40 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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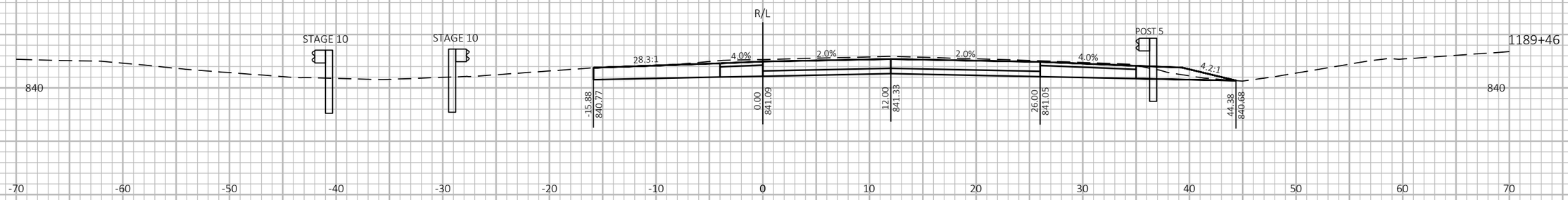
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 624	E

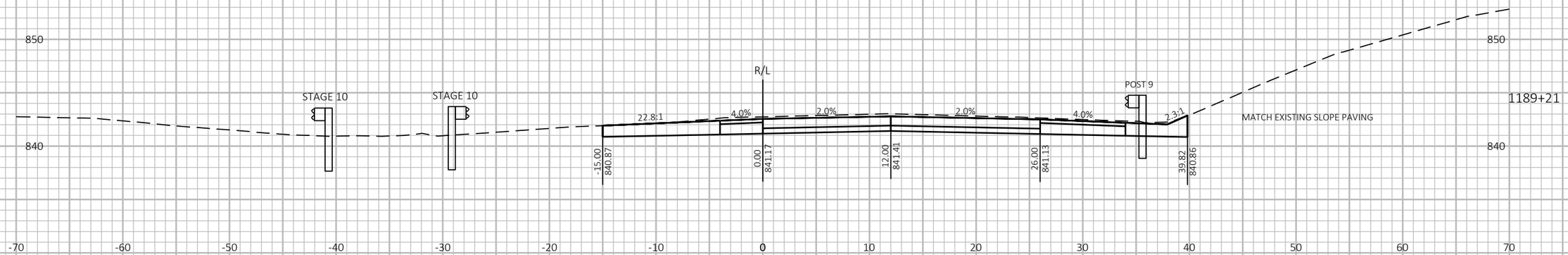
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 35

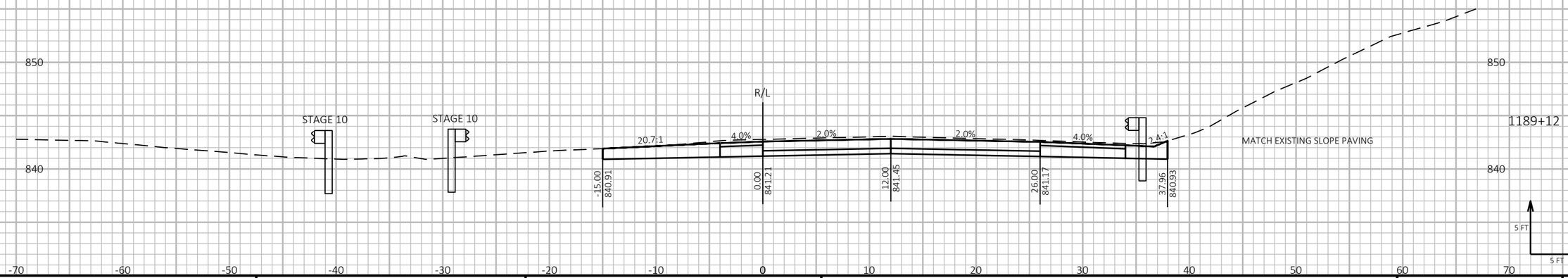
PLOT DATE : 7/26/2023 8:41 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 625	E

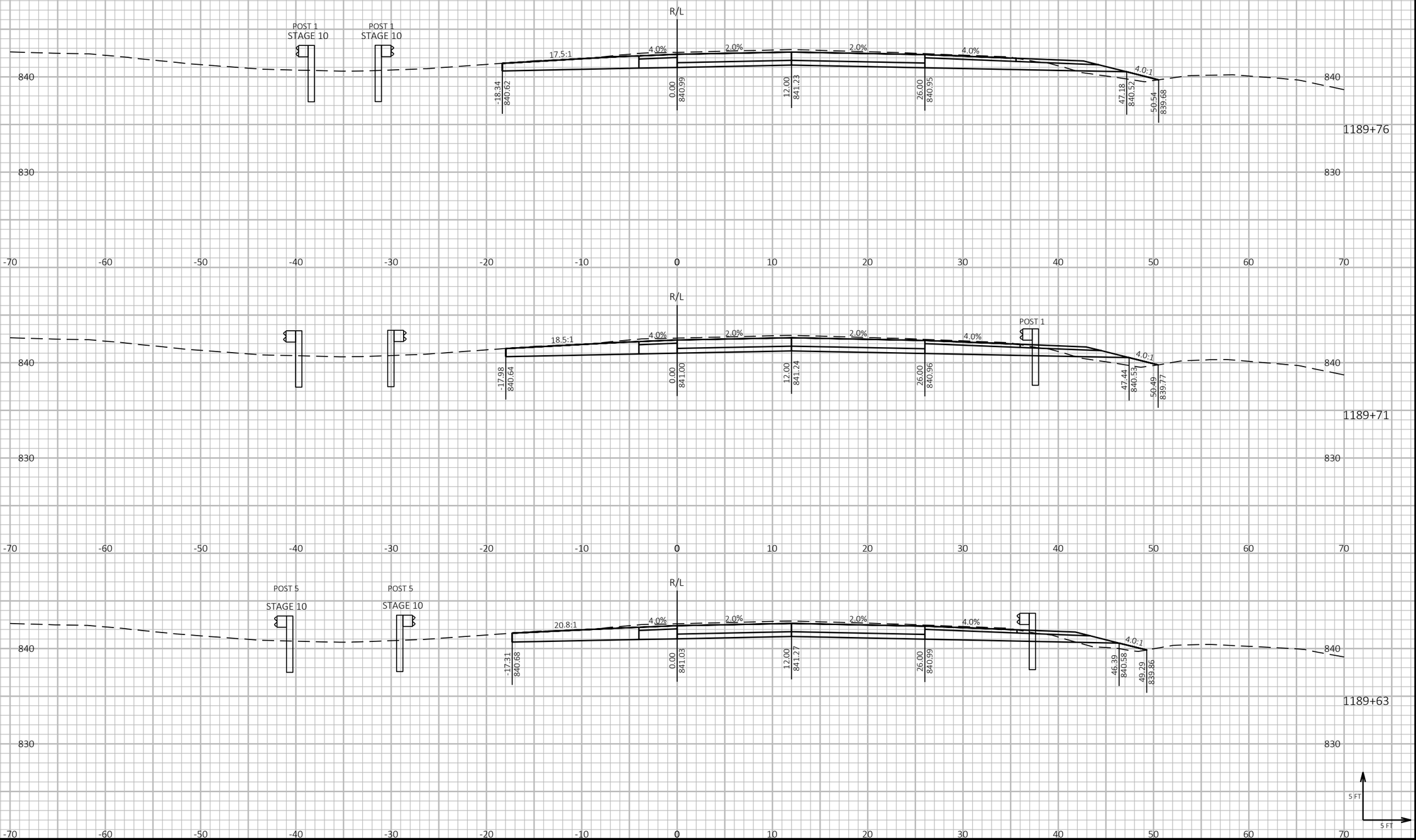
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 36

PLOT DATE : 7/26/2023 8:41 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT

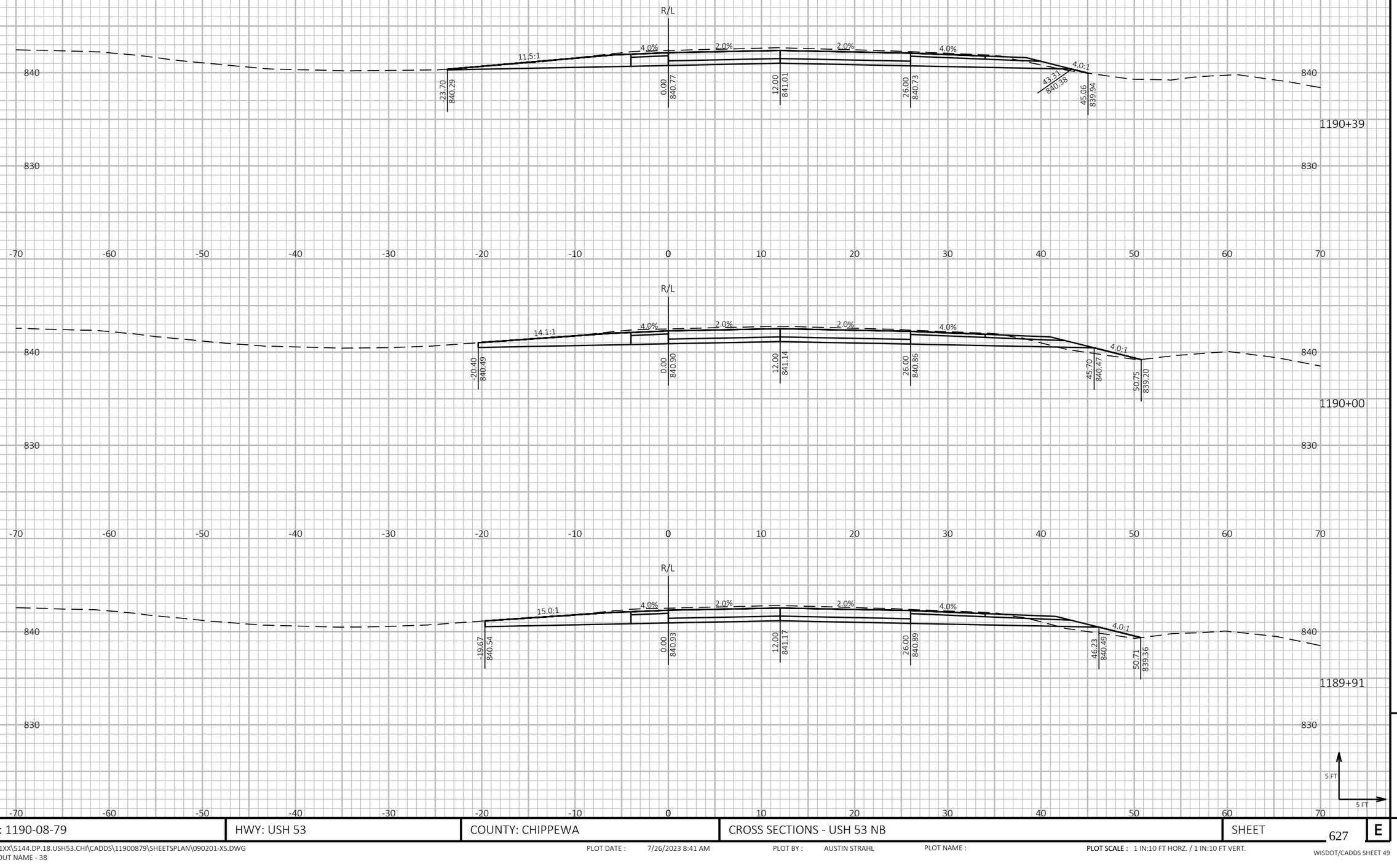


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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 626	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 37
PLOT DATE : 7/26/2023 8:41 AM
PLOT BY : AUSTIN STRAHL
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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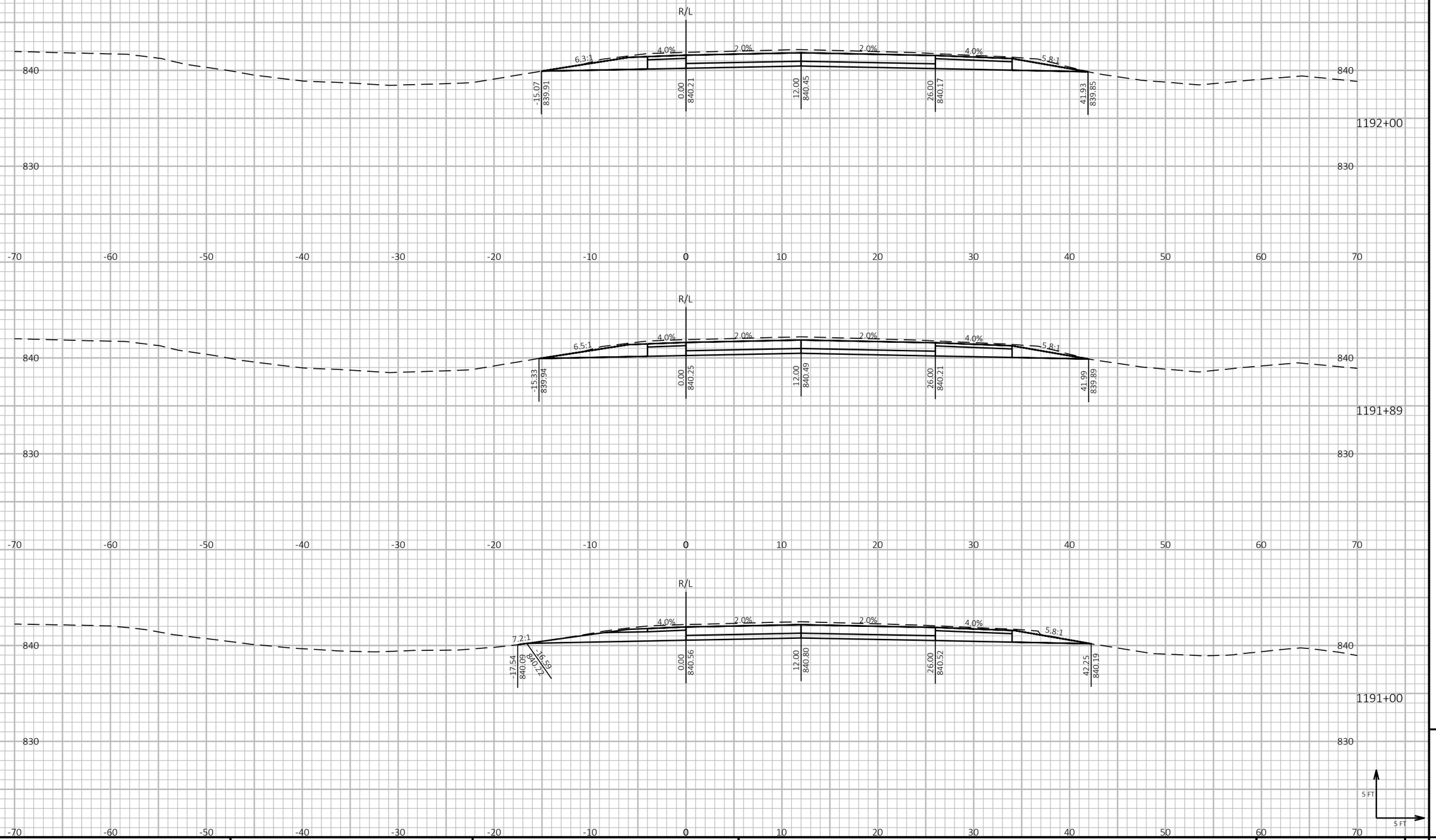
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 627	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 38

PLOT DATE : 7/26/2023 8:41 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 628	E

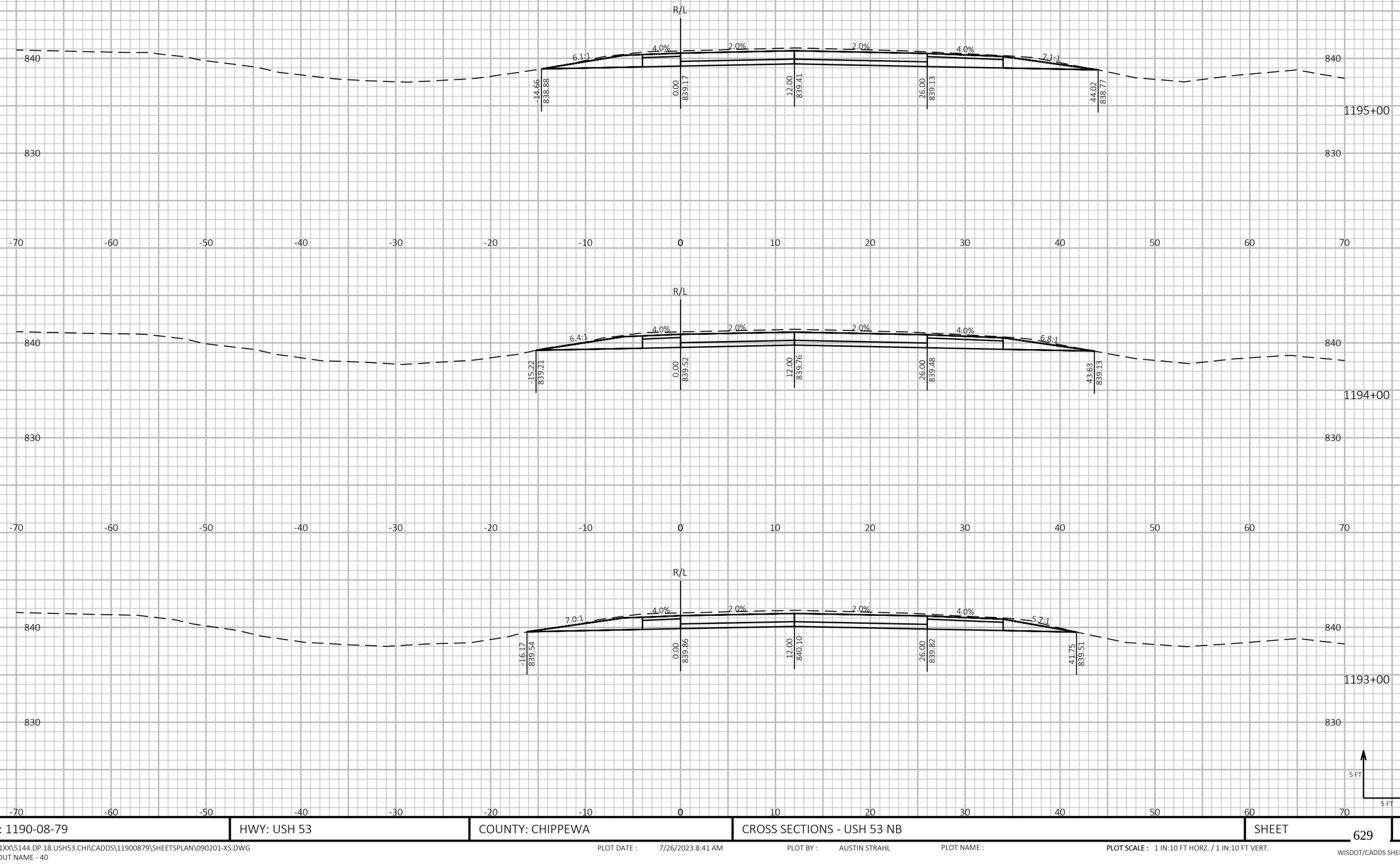
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 39

PLOT DATE : 7/26/2023 8:41 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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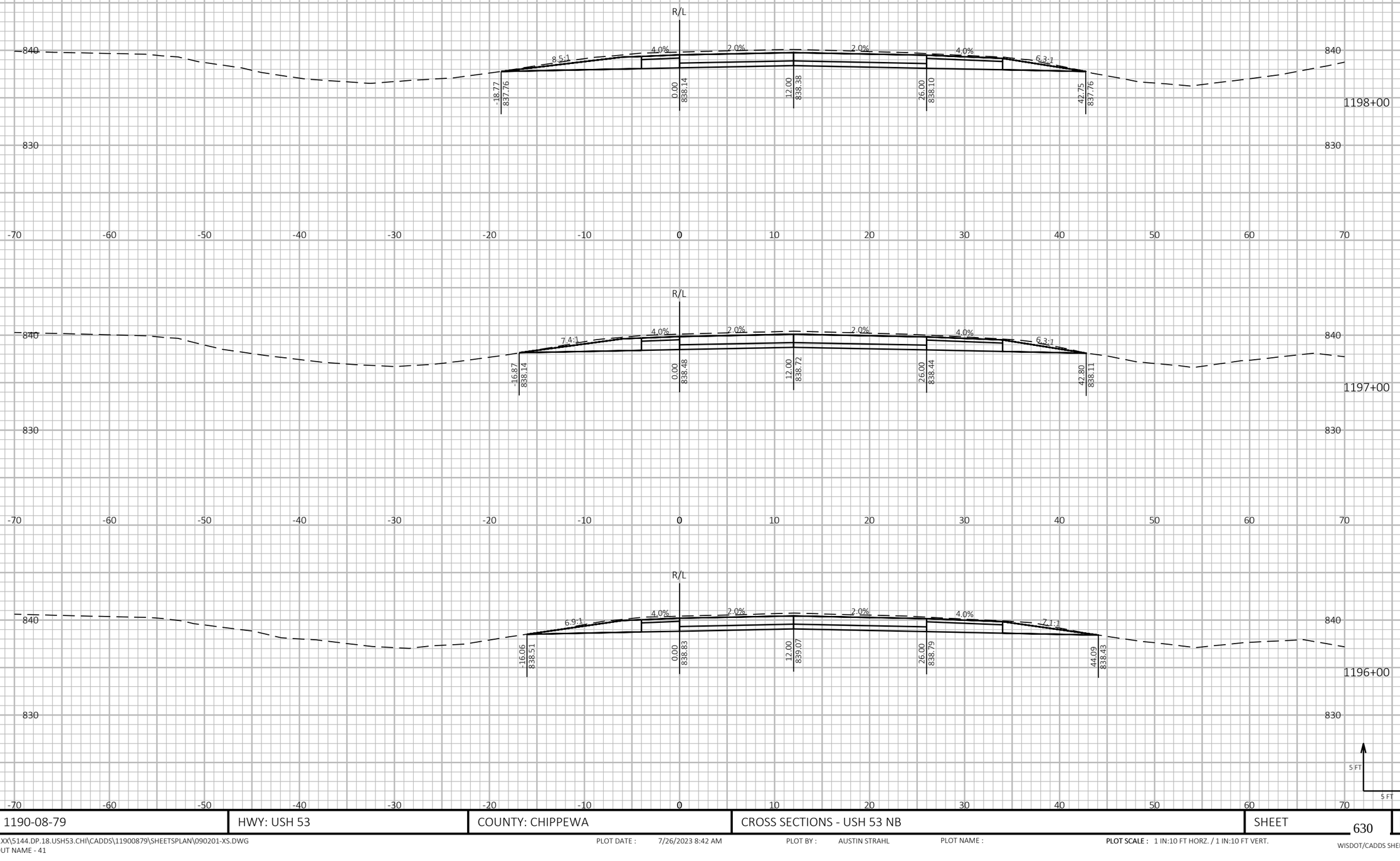
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 629	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 40

PLOT DATE : 7/26/2023 8:41 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



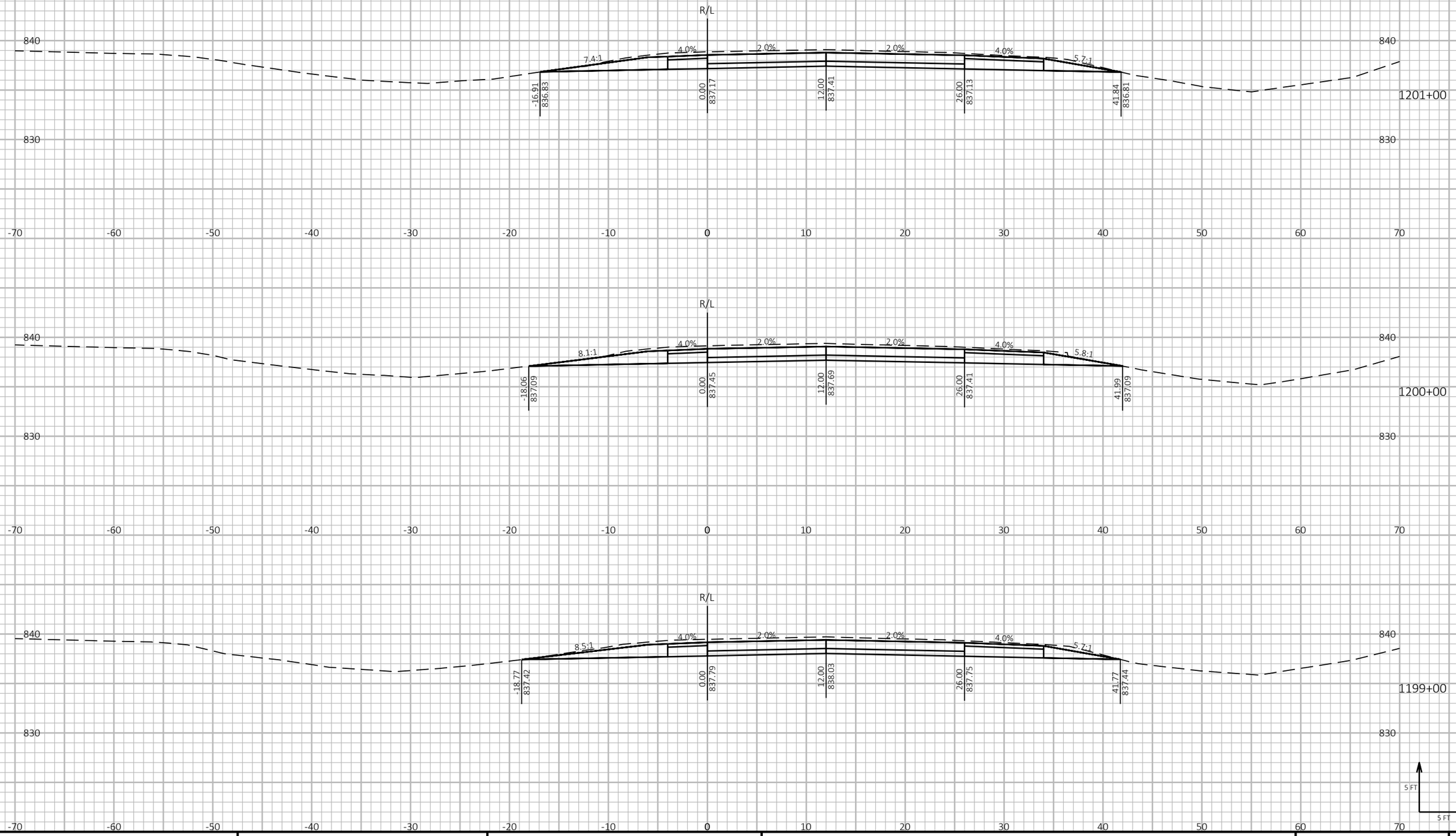
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 630	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 41

PLOT DATE : 7/26/2023 8:42 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 631	E

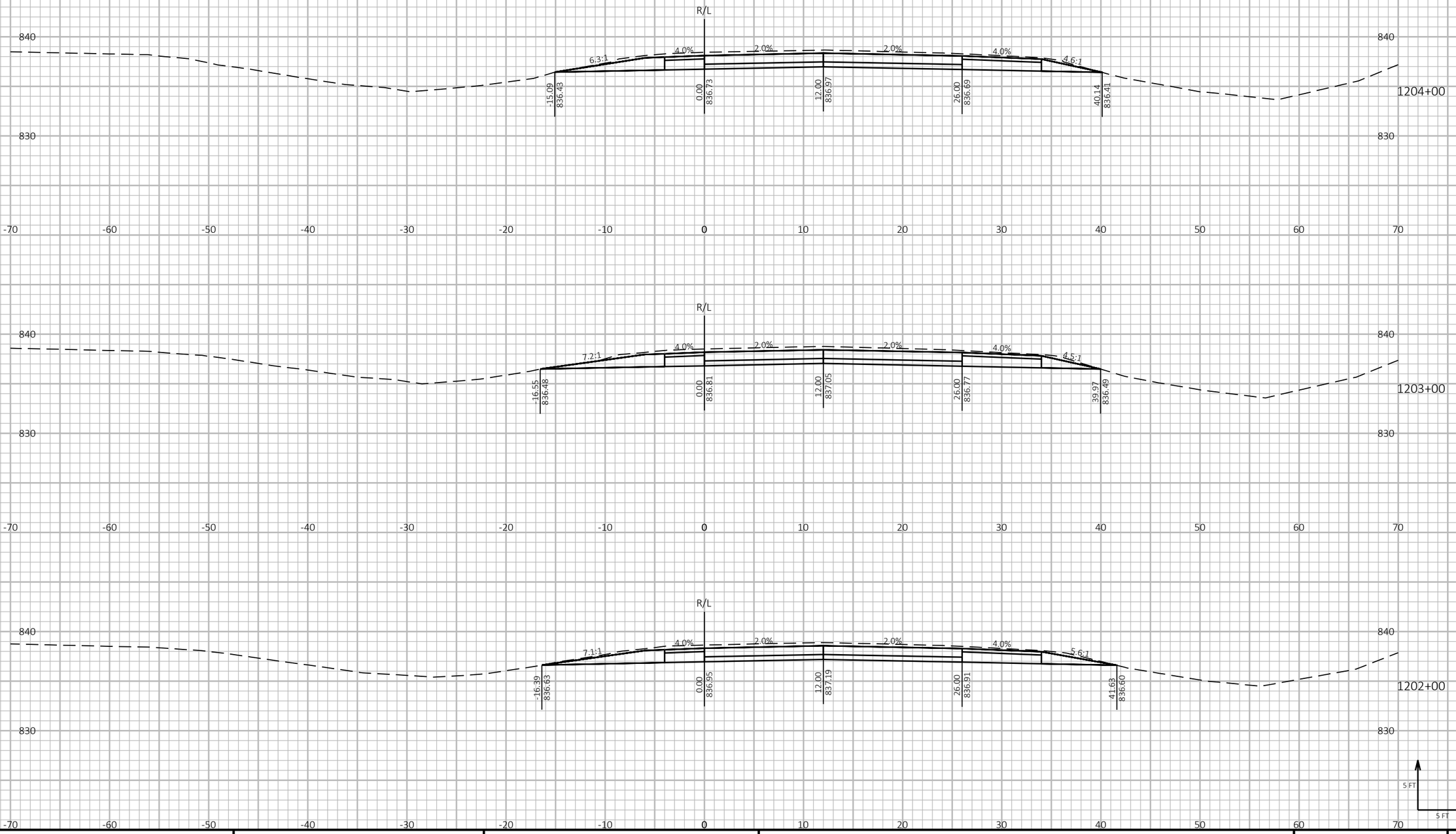
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 42

PLOT DATE : 7/26/2023 8:42 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 632	E

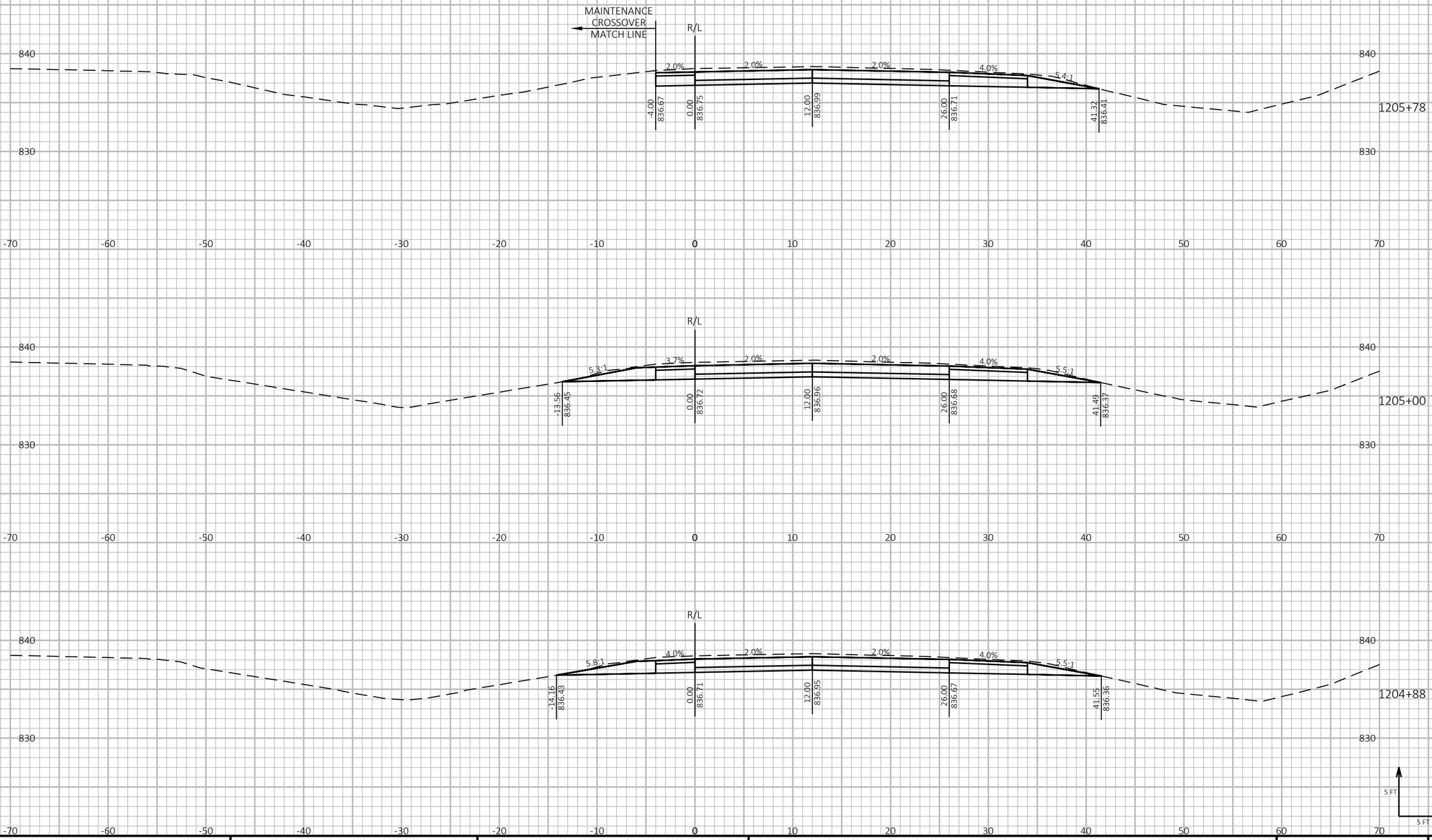
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 43

PLOT DATE : 7/26/2023 8:42 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 633	E

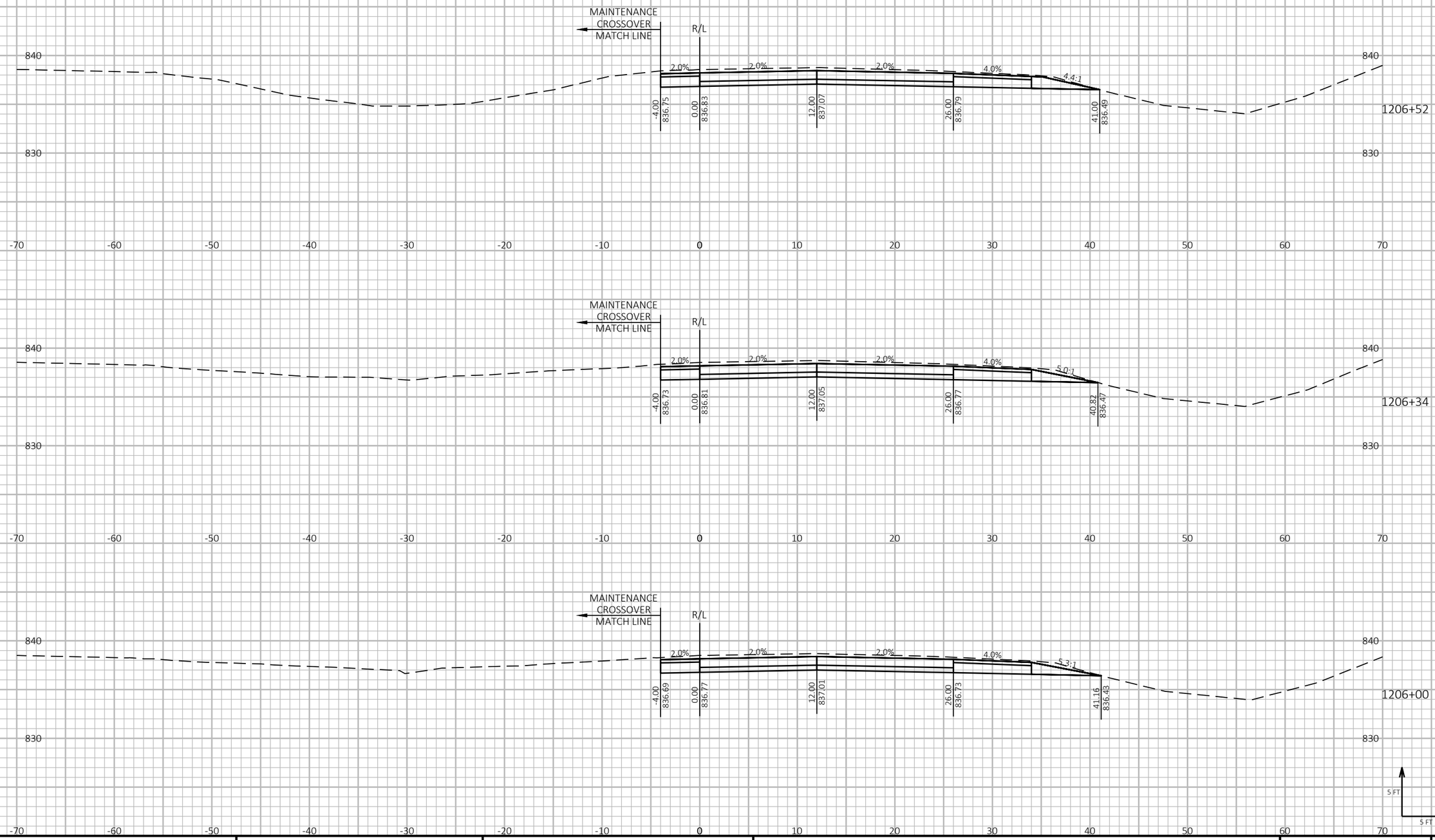
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 44

PLOT DATE : 7/26/2023 8:42 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 634	E

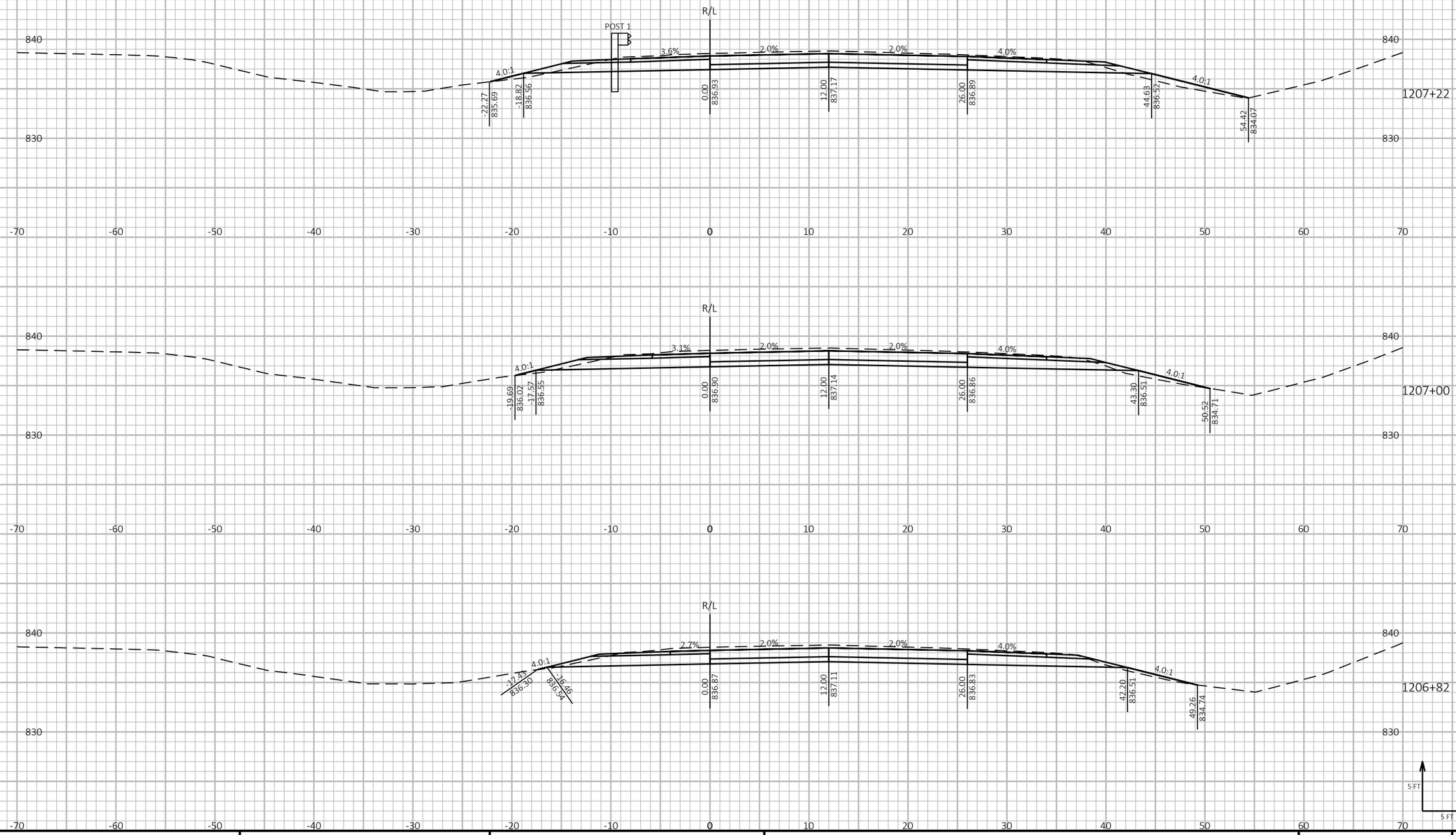
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 45

PLOT DATE : 7/26/2023 8:42 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 635	E

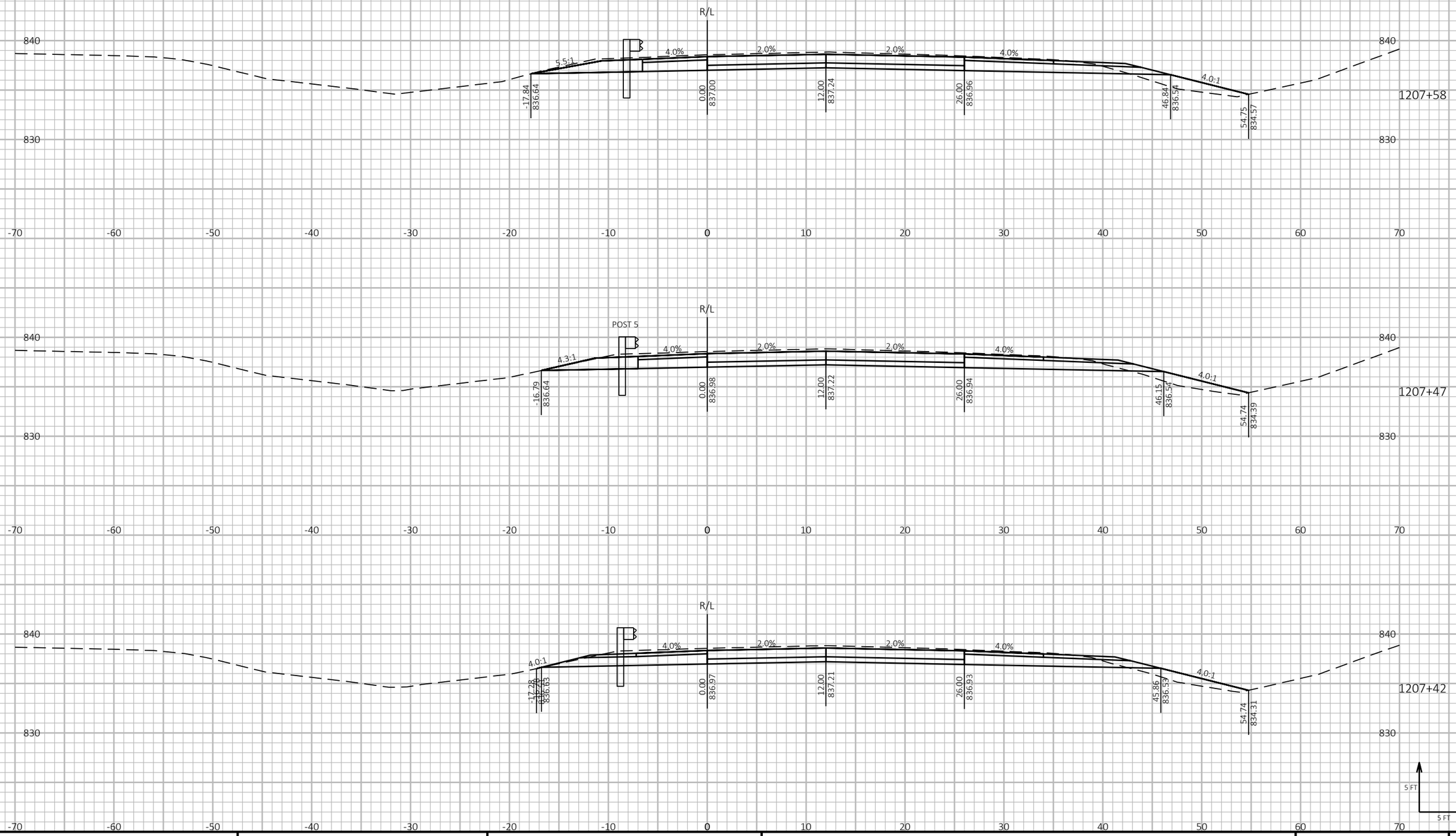
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 46

PLOT DATE : 7/26/2023 8:42 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 636	E

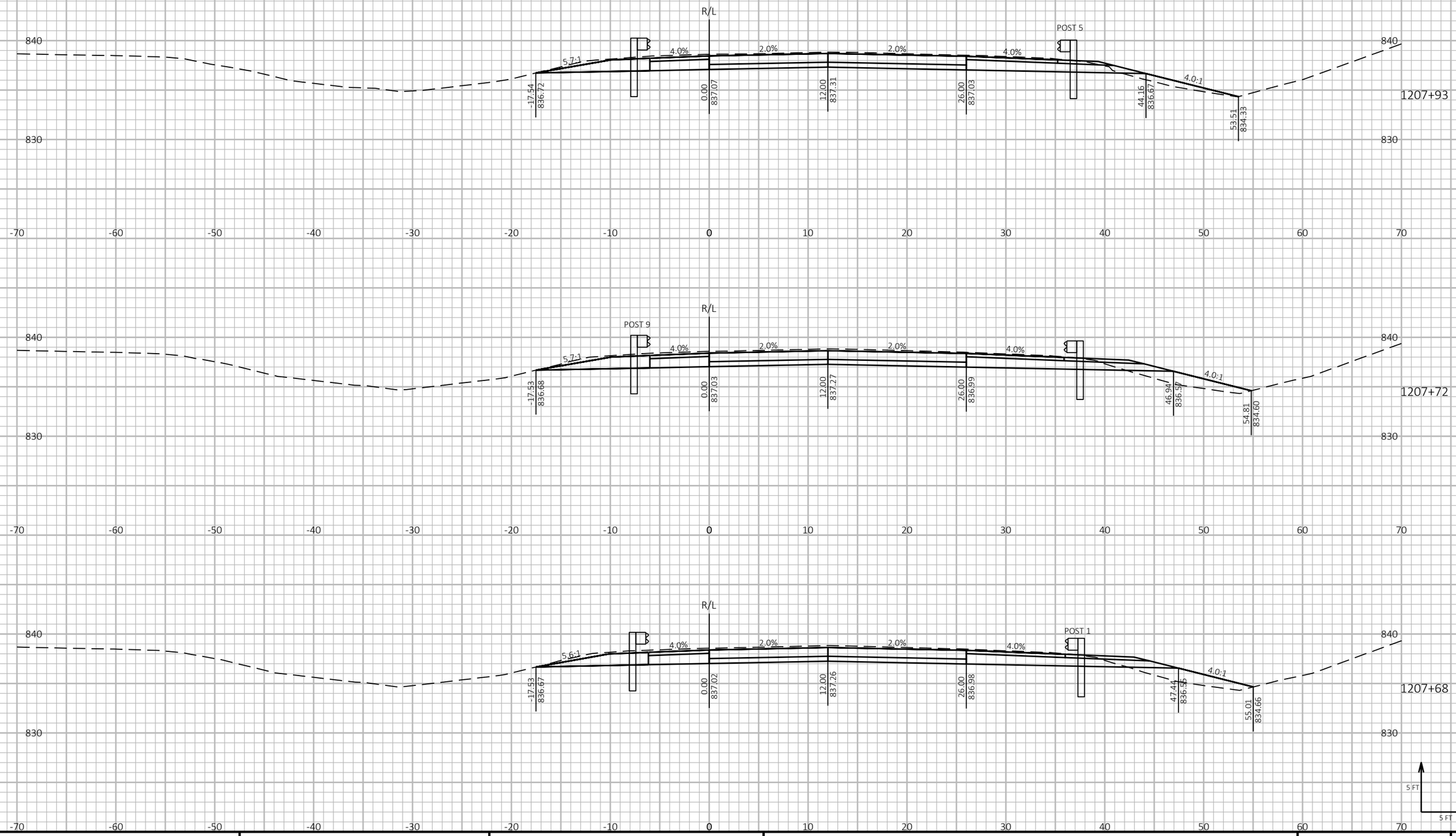
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 47

PLOT DATE : 7/26/2023 8:43 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 637	E

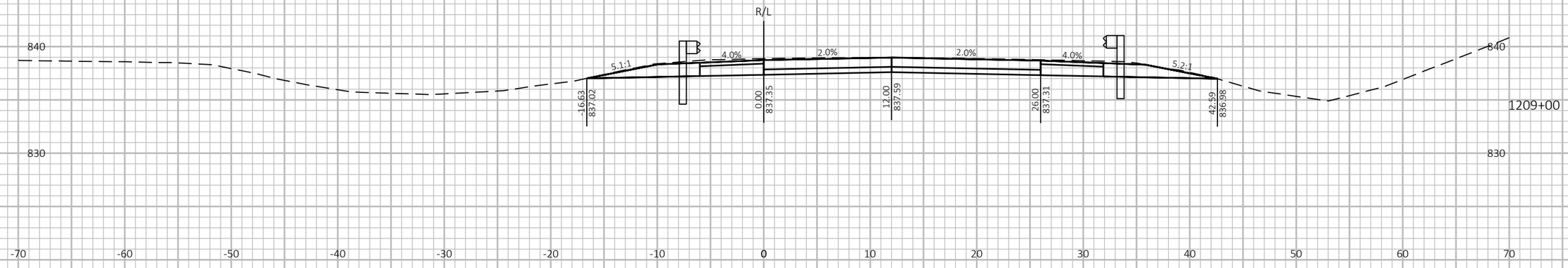
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 48

PLOT DATE : 7/26/2023 8:43 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

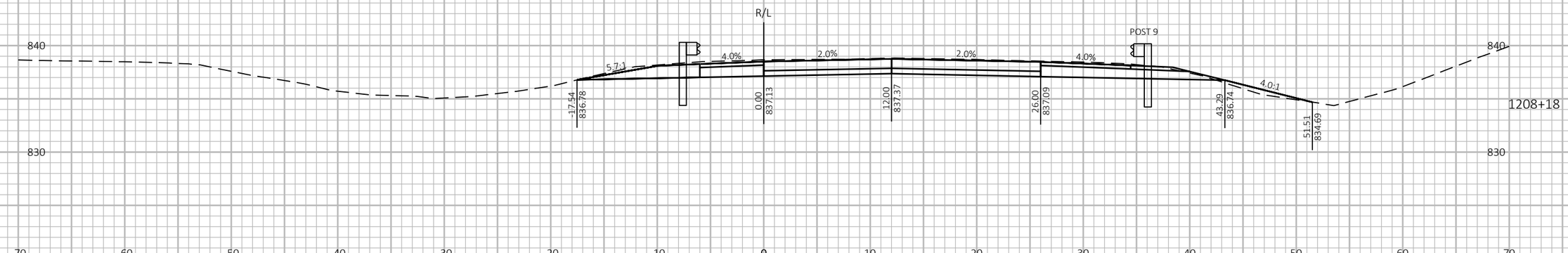
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

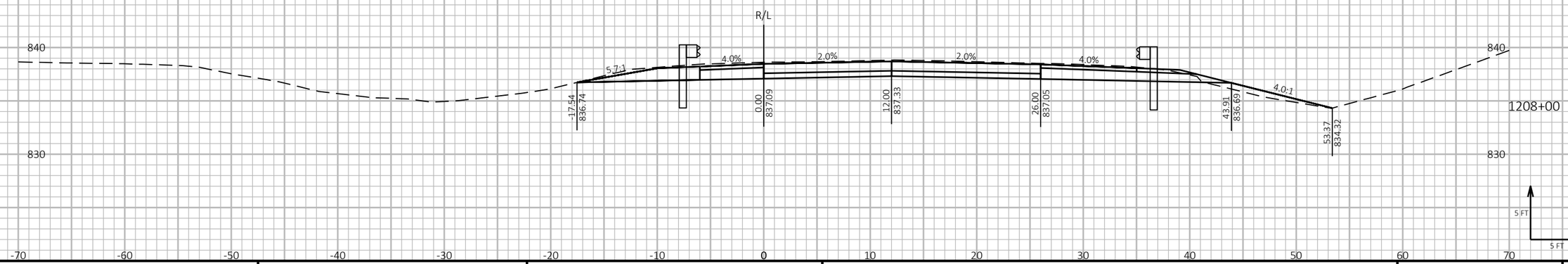
CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



1209+00



1208+18



1208+00

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 638	E

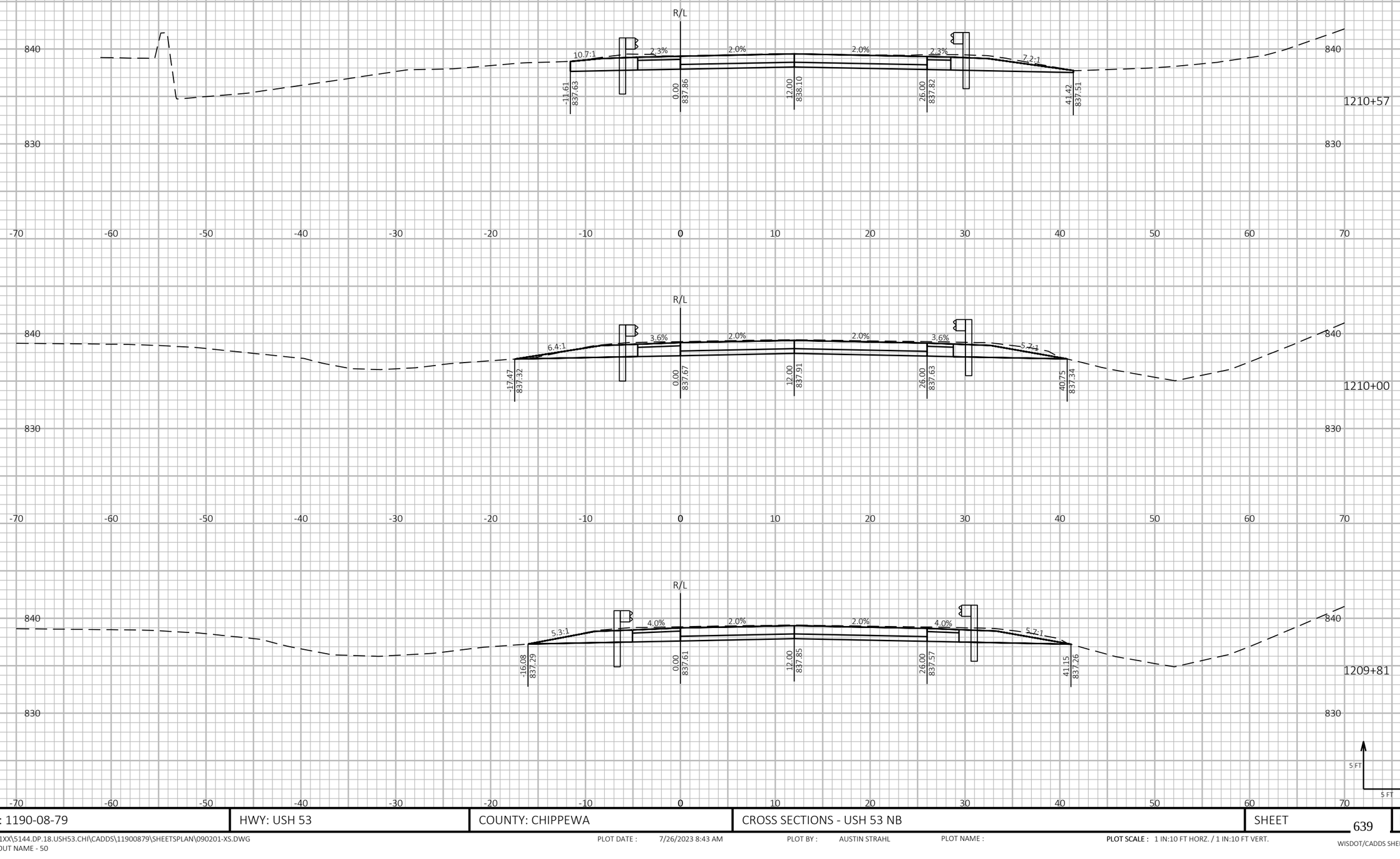
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 49

PLOT DATE : 7/26/2023 8:43 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



9

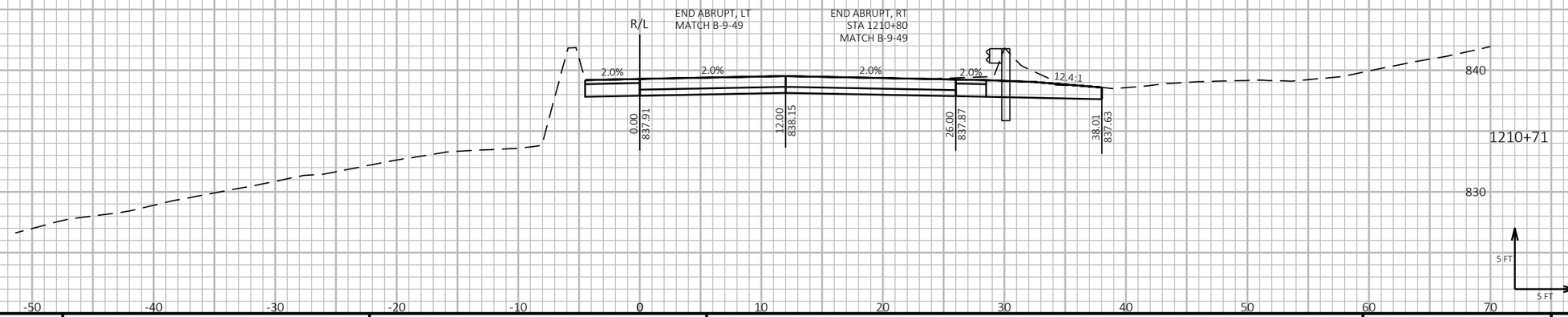
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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 639	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 50

PLOT DATE : 7/26/2023 8:43 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 640	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 51

PLOT DATE : 7/26/2023 8:43 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

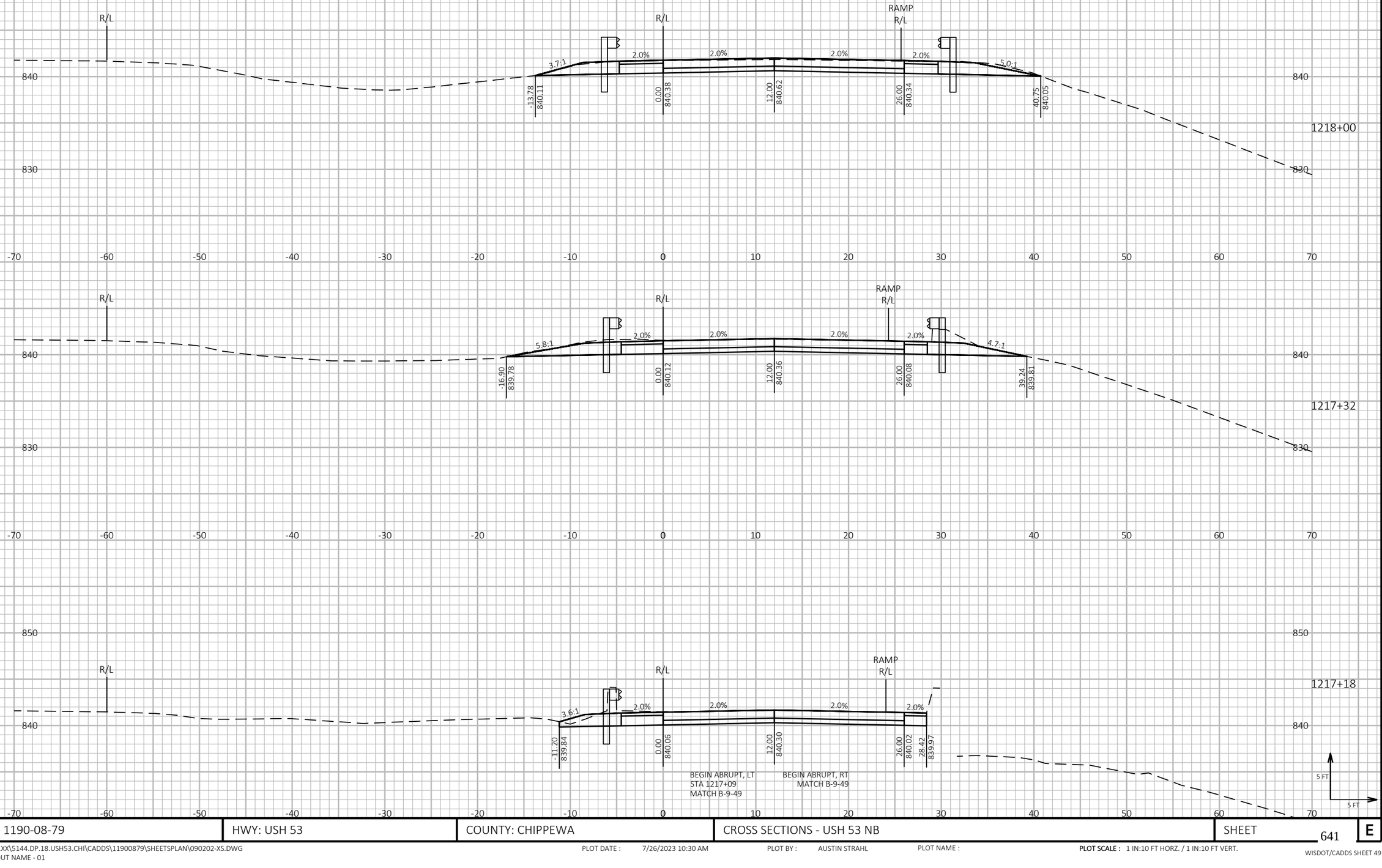
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 641	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 10:30 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

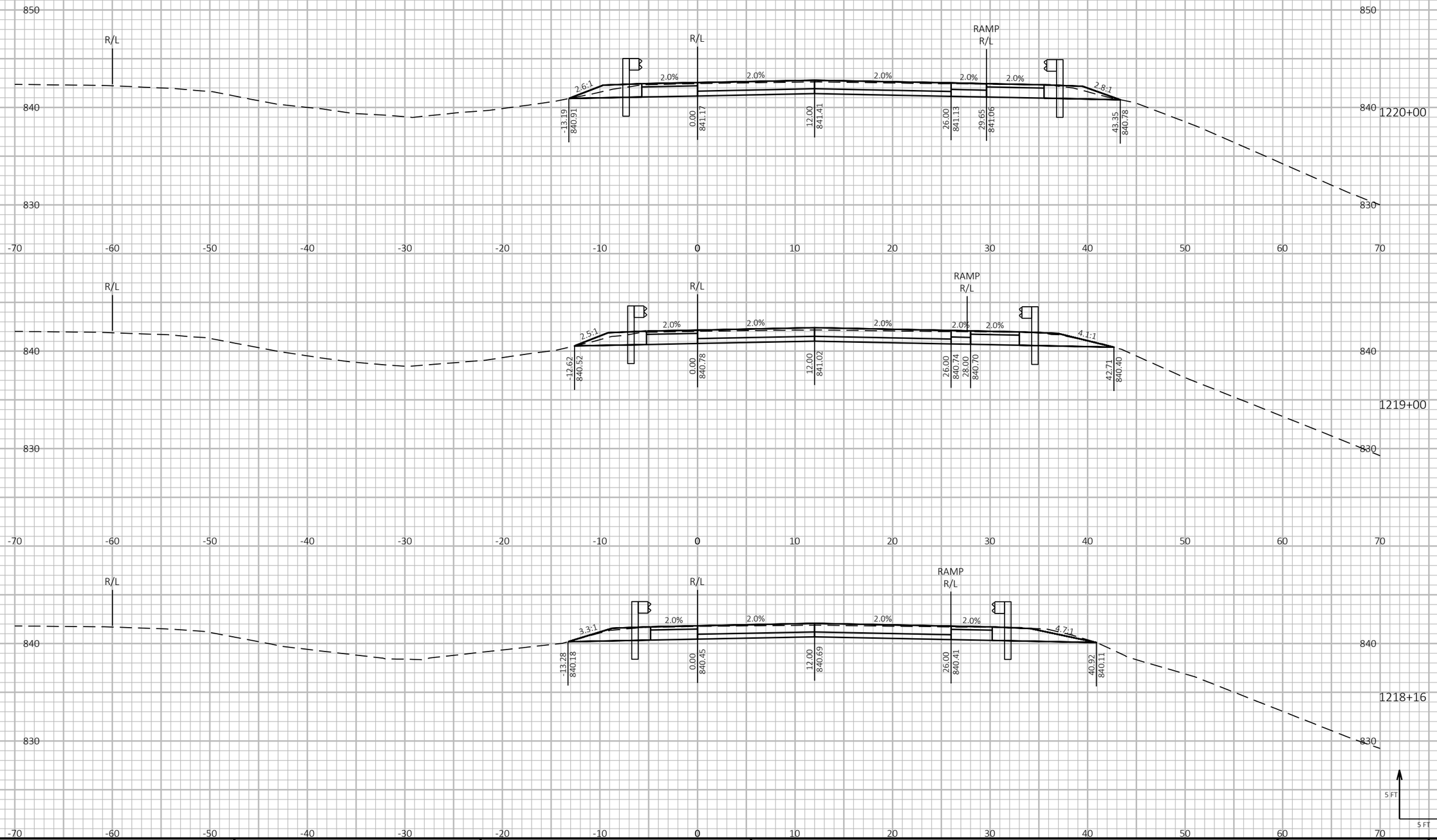
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 642	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/26/2023 10:31 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

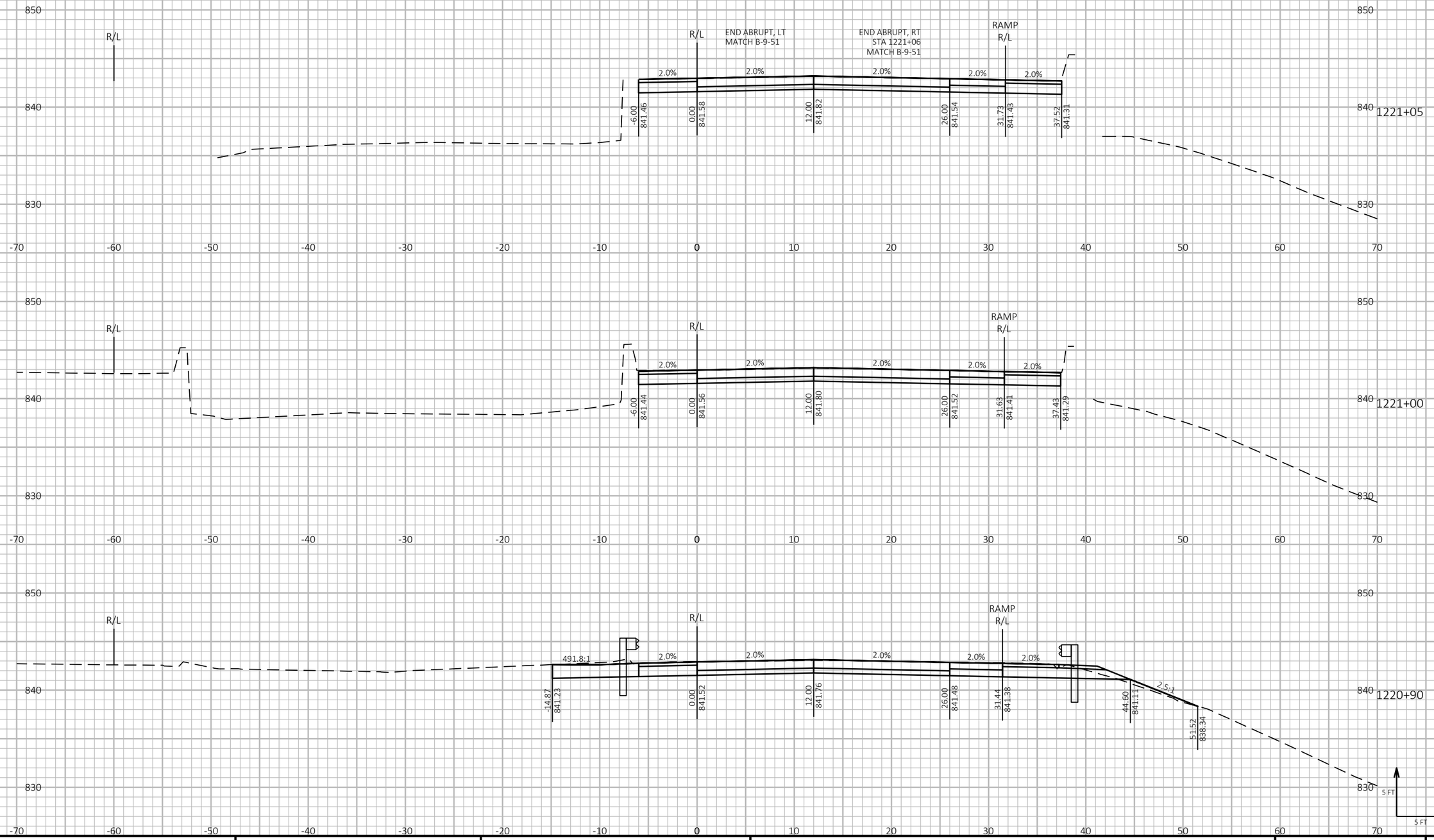
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 643	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/26/2023 10:31 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

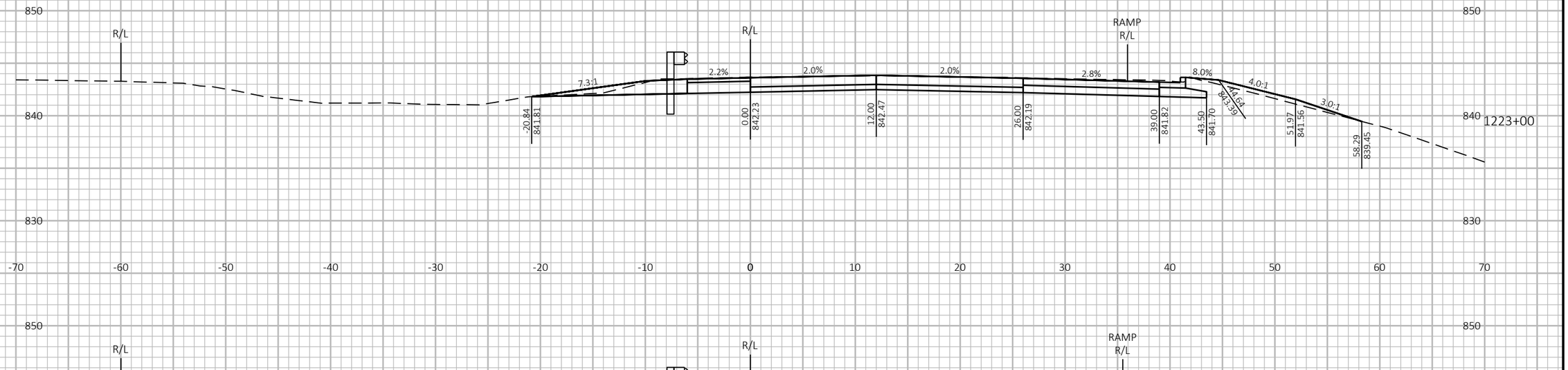
WISDOT/CADDS SHEET 49

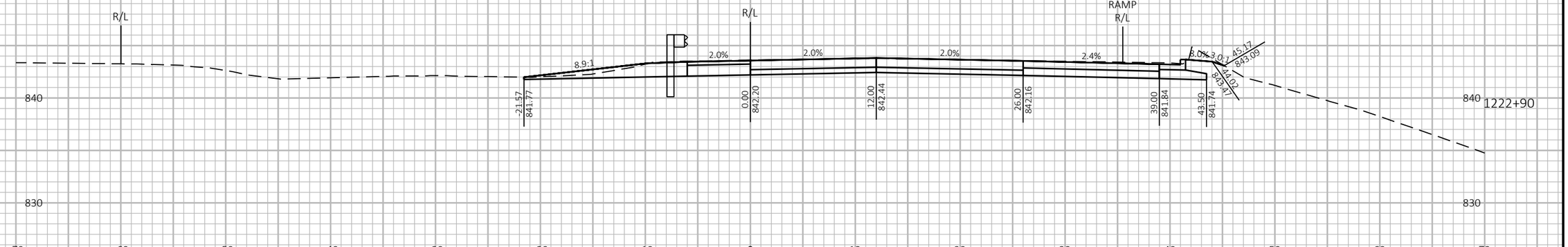
LEGEND

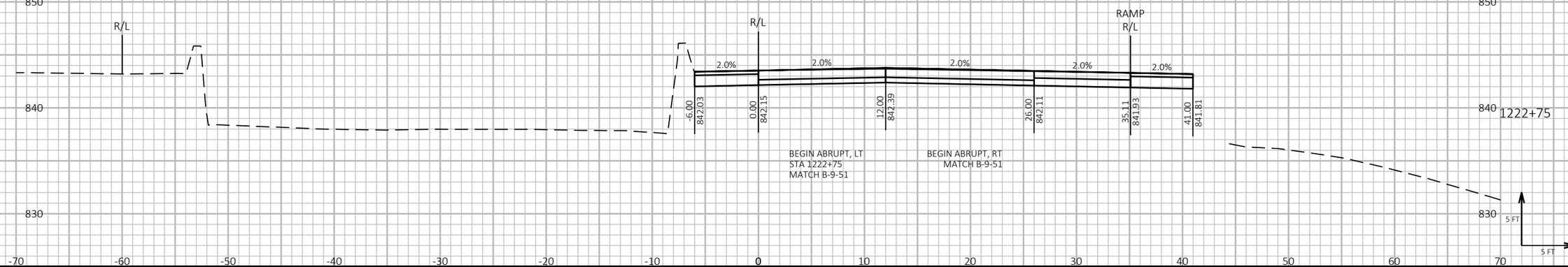
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 644	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 7/26/2023 10:31 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

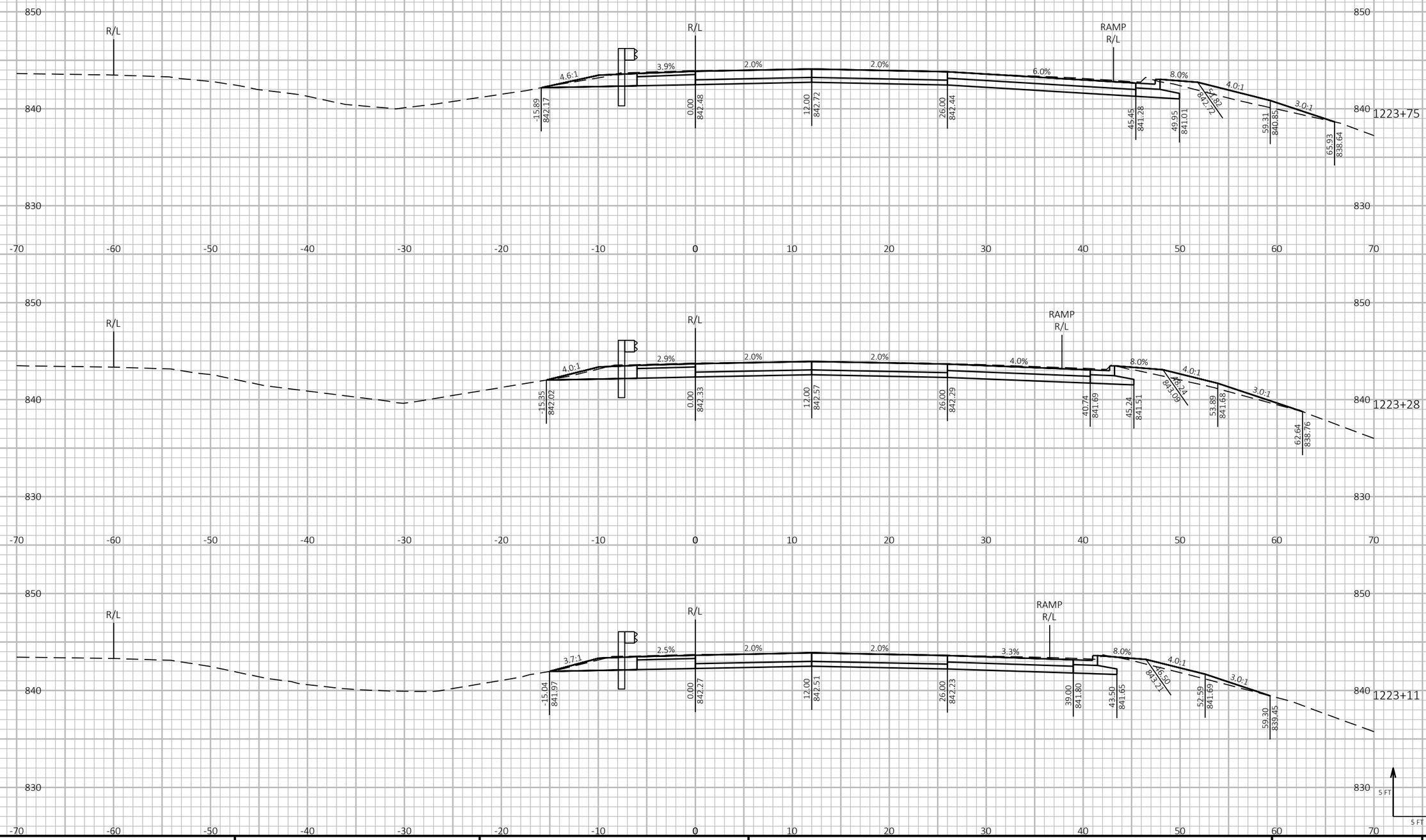
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 645	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 05

PLOT DATE : 7/26/2023 10:31 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

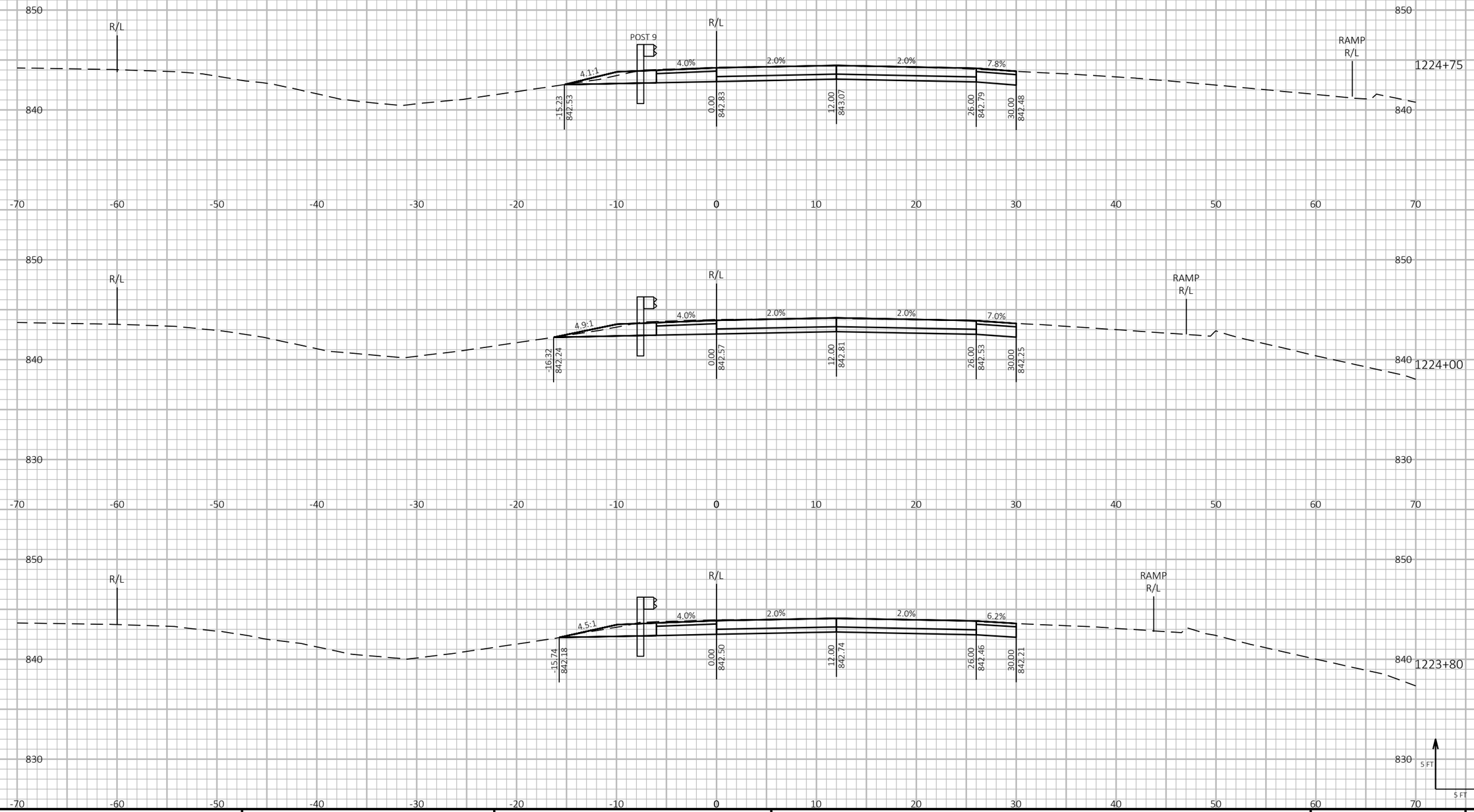
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 646	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/26/2023 10:32 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

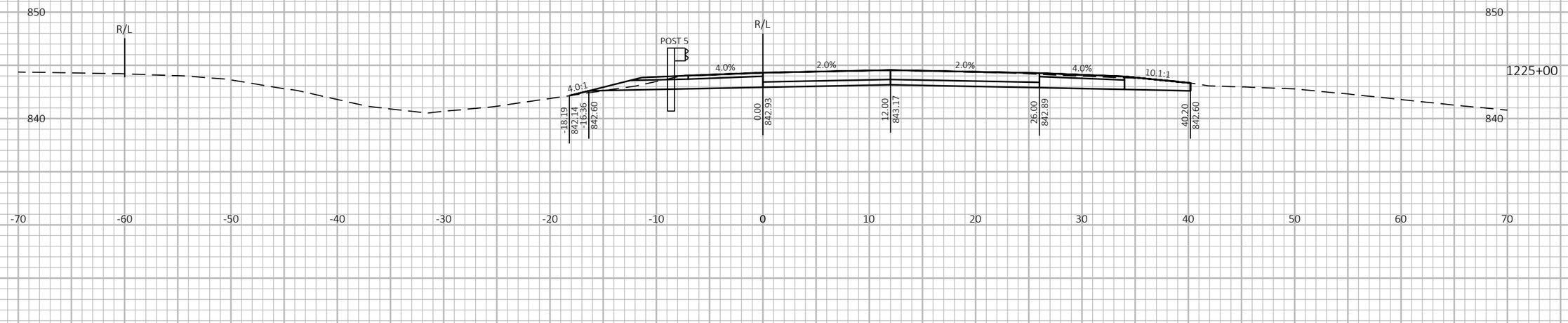
WISDOT/CADDS SHEET 49

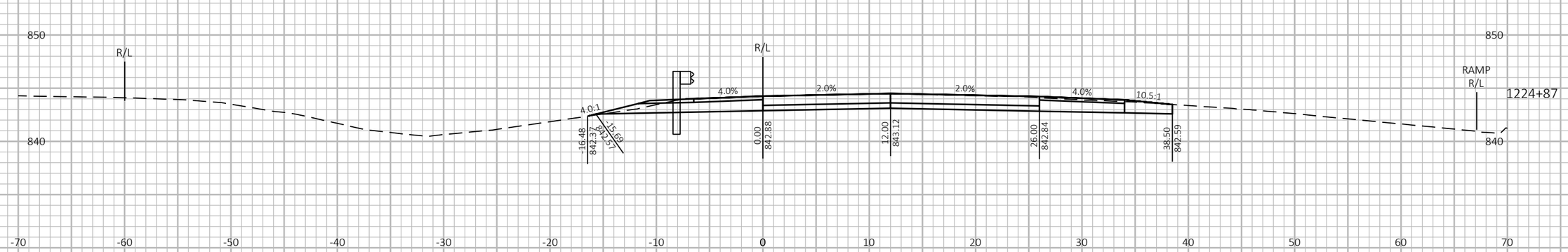
LEGEND

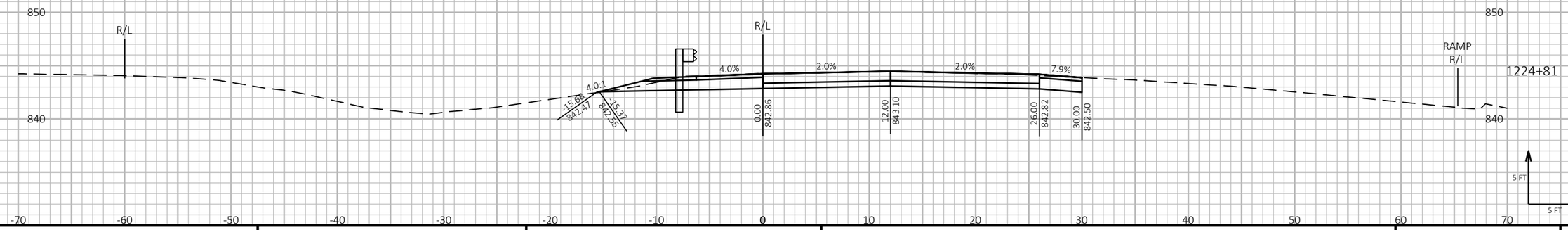
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 647	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 07

PLOT DATE : 7/26/2023 10:32 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

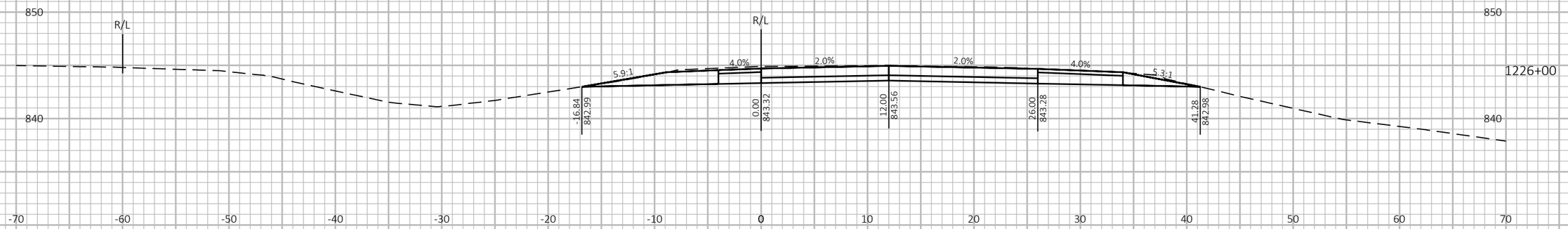
WISDOT/CADDS SHEET 49

LEGEND

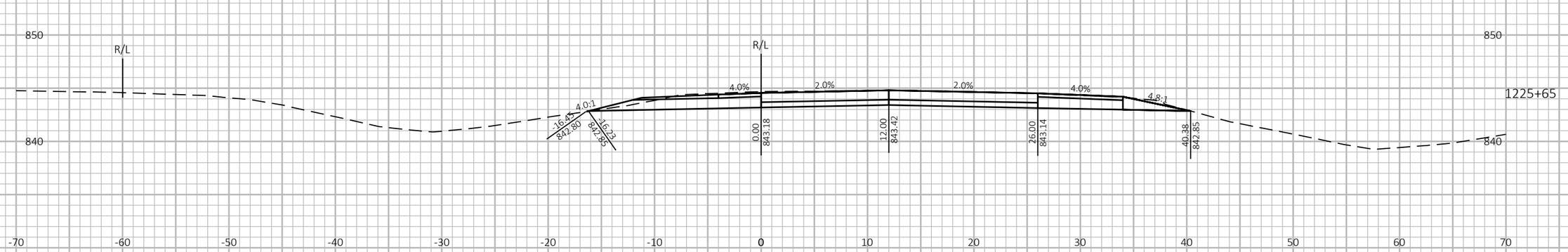
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

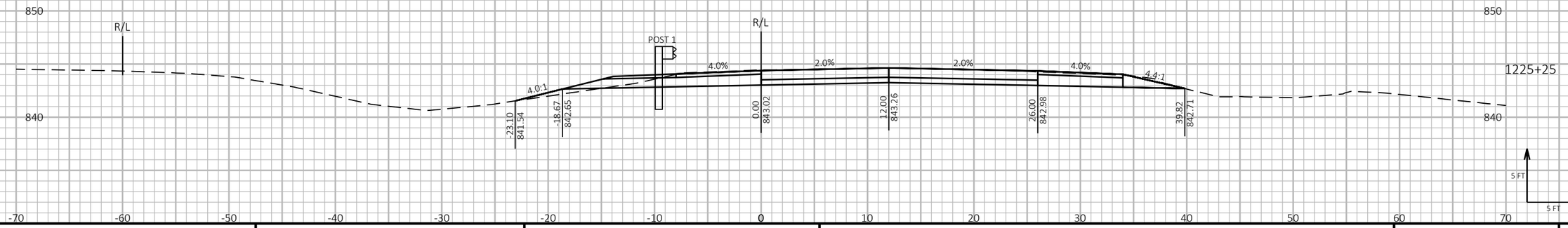
CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



1226+00



1225+65



1225+25

5 FT

5 FT

9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 648	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 08

PLOT DATE : 7/26/2023 10:32 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

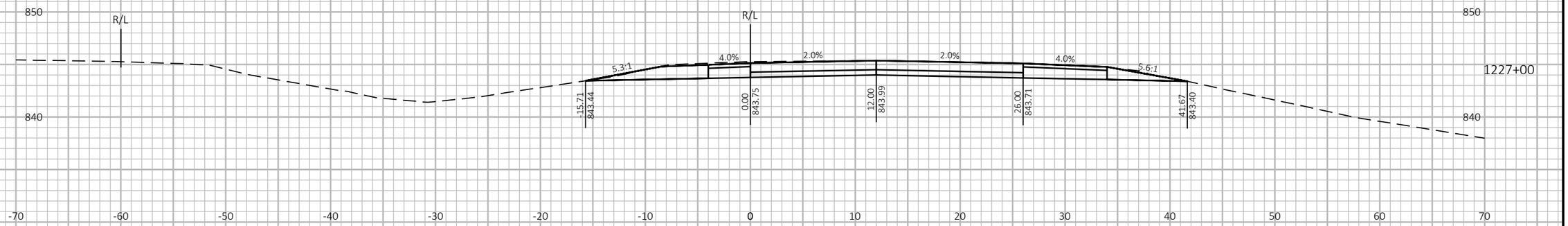
WISDOT/CADDS SHEET 49

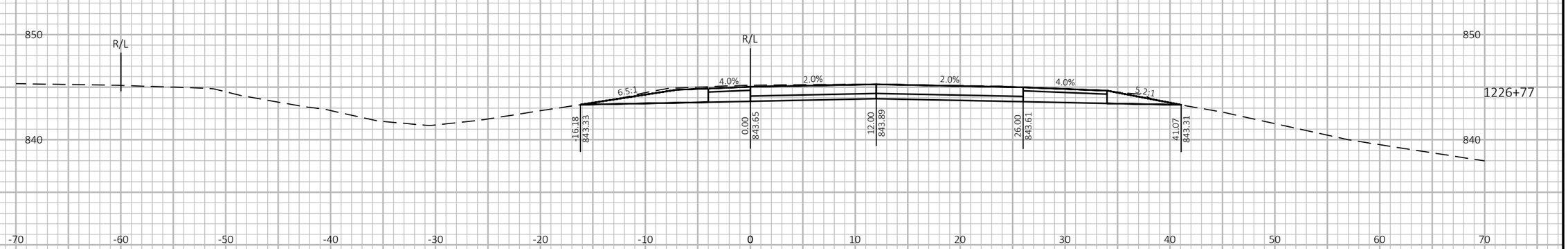
LEGEND

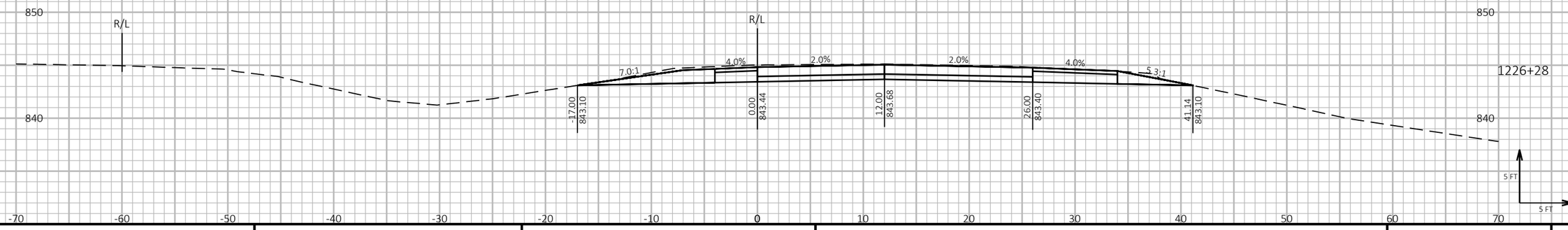
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 649	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 09

PLOT DATE : 7/26/2023 10:32 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

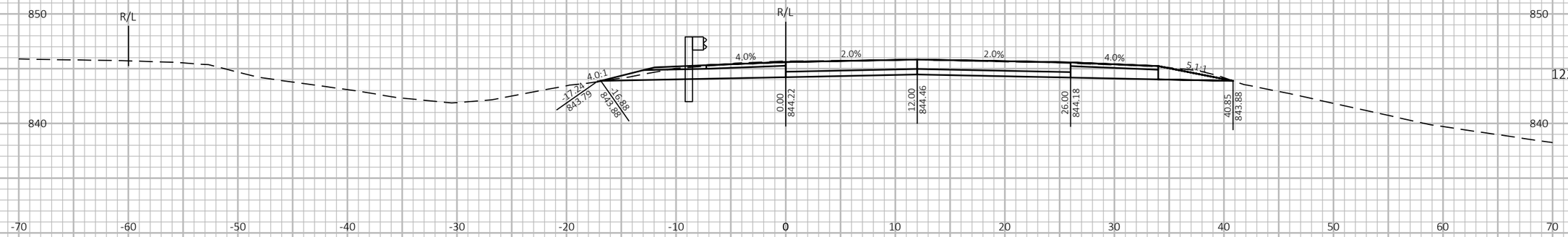
WISDOT/CADDS SHEET 49

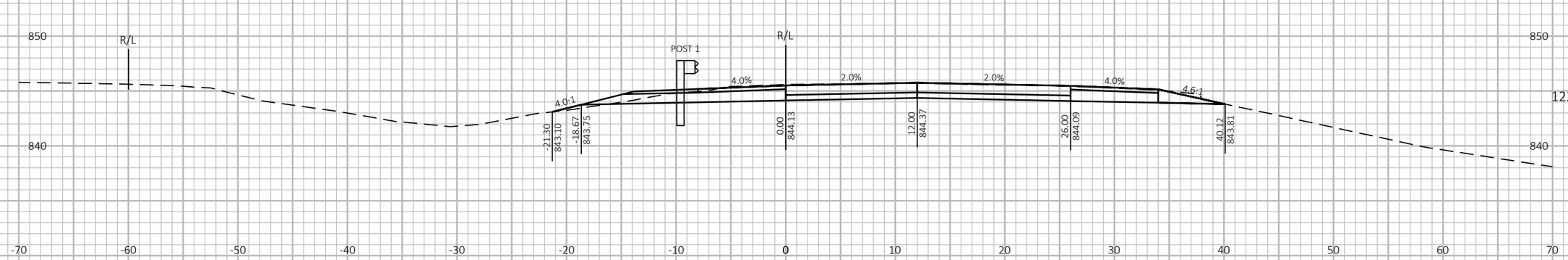
LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 650	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 10

PLOT DATE : 7/26/2023 10:33 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

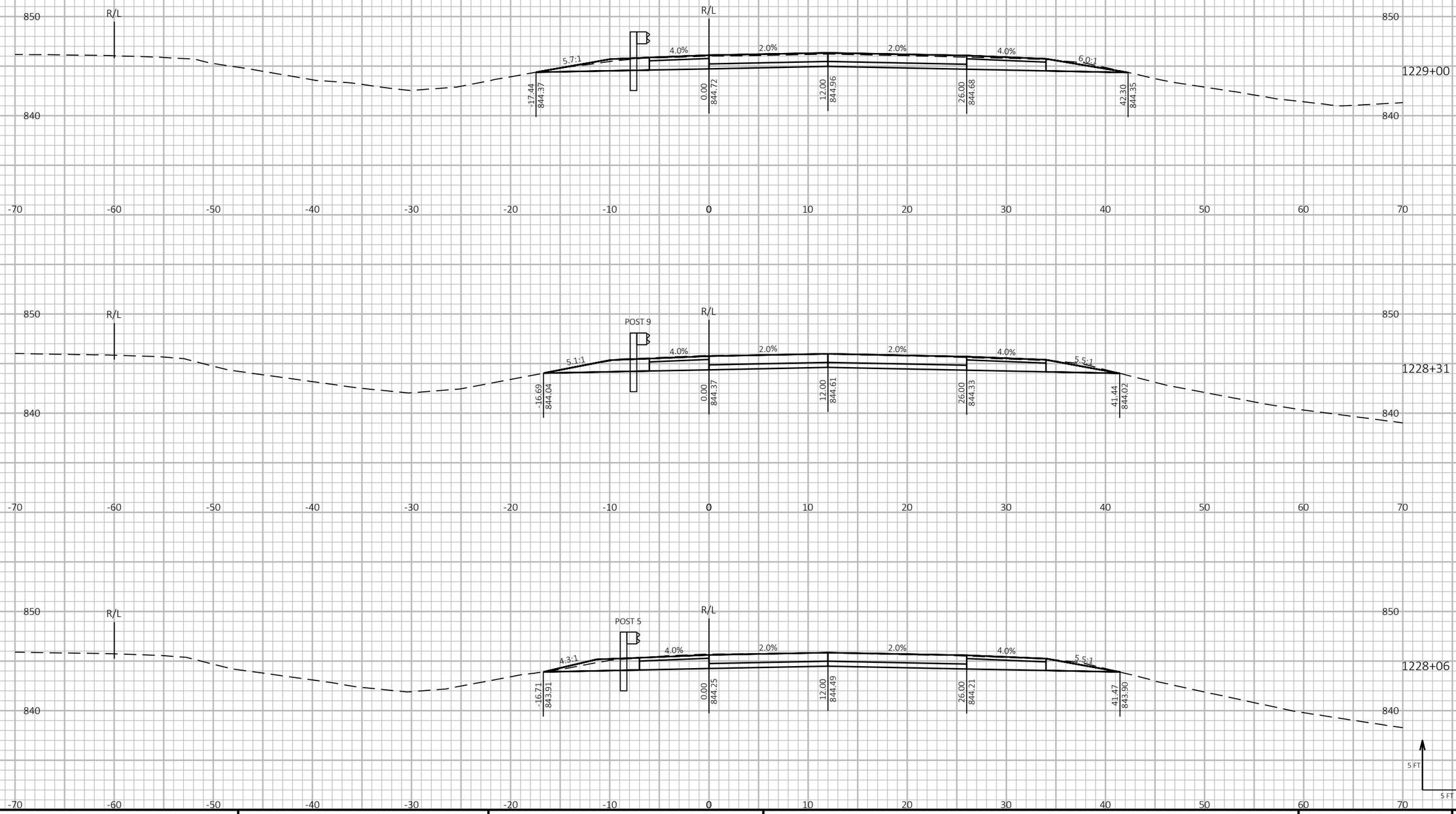
WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 651	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 11

PLOT DATE : 7/26/2023 10:33 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

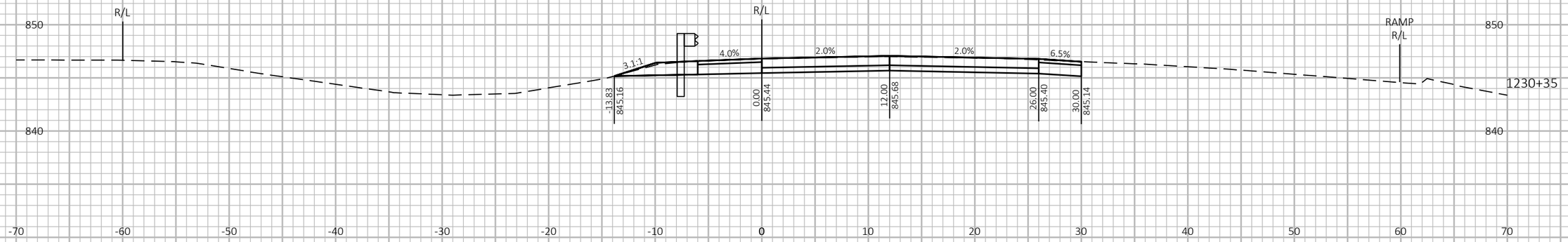
WISDOT/CADDS SHEET 49

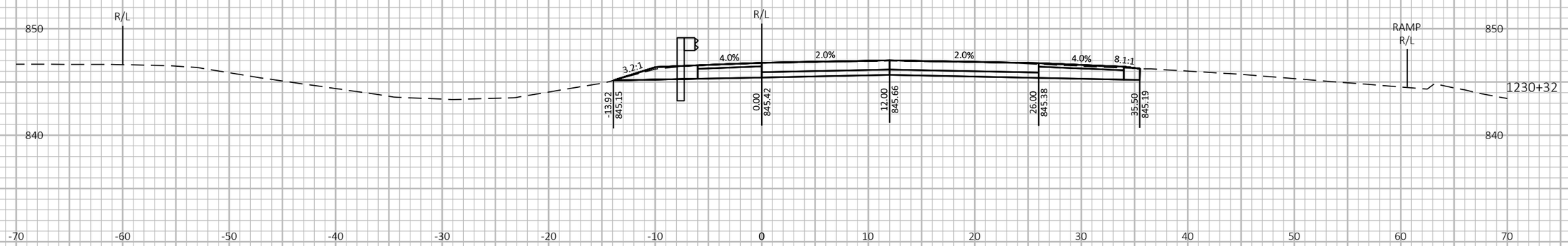
LEGEND

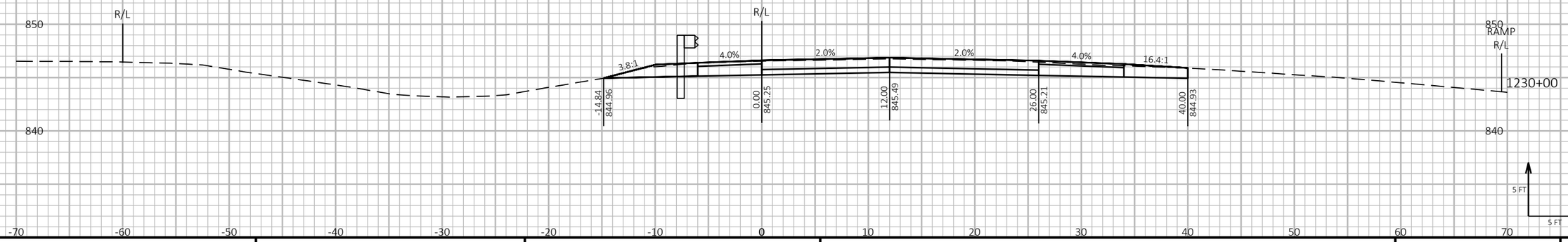
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 652	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 12

PLOT DATE : 7/26/2023 10:33 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

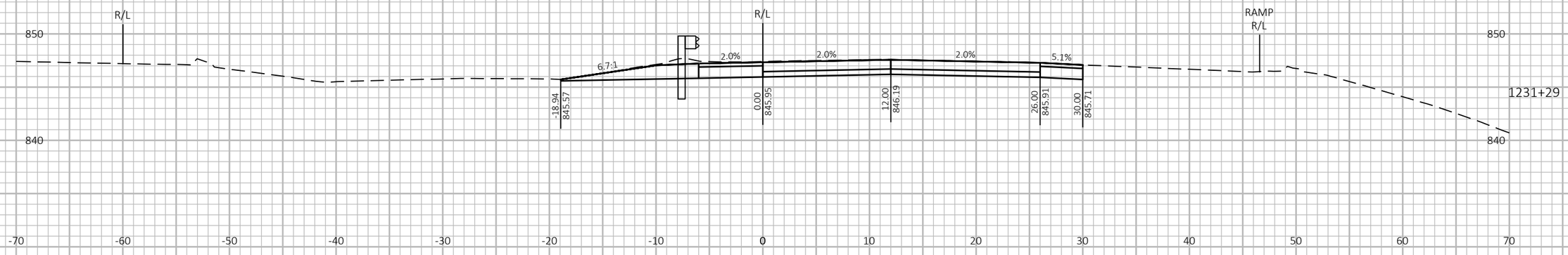
WISDOT/CADDS SHEET 49

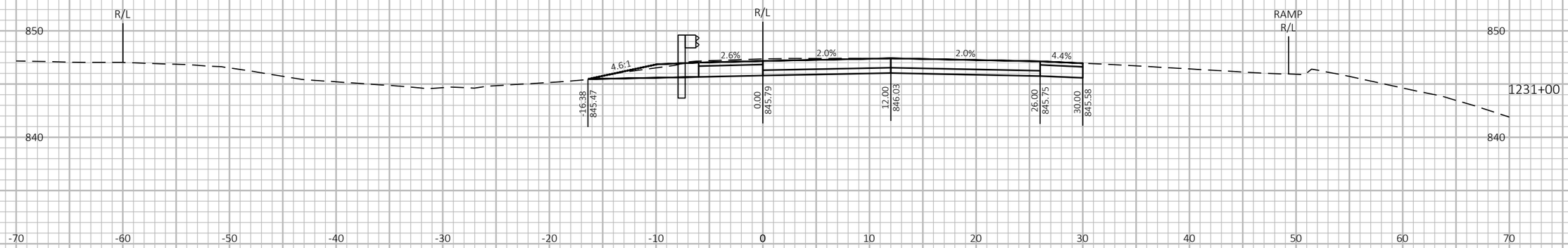
LEGEND

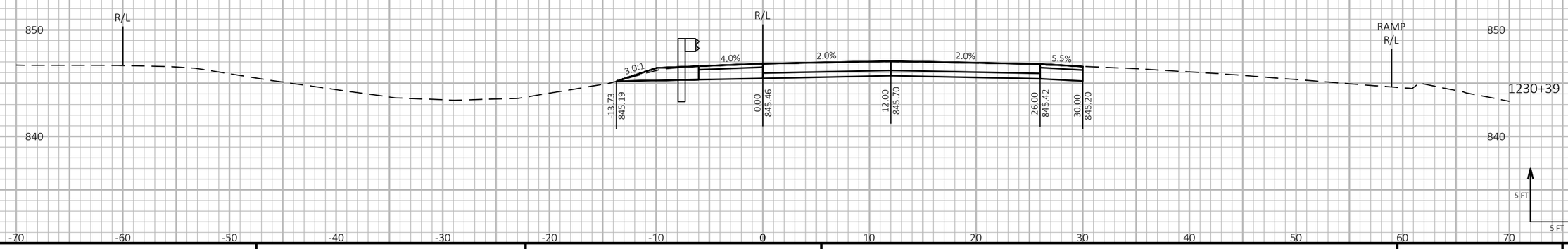
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 653	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 13

PLOT DATE : 7/26/2023 10:33 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

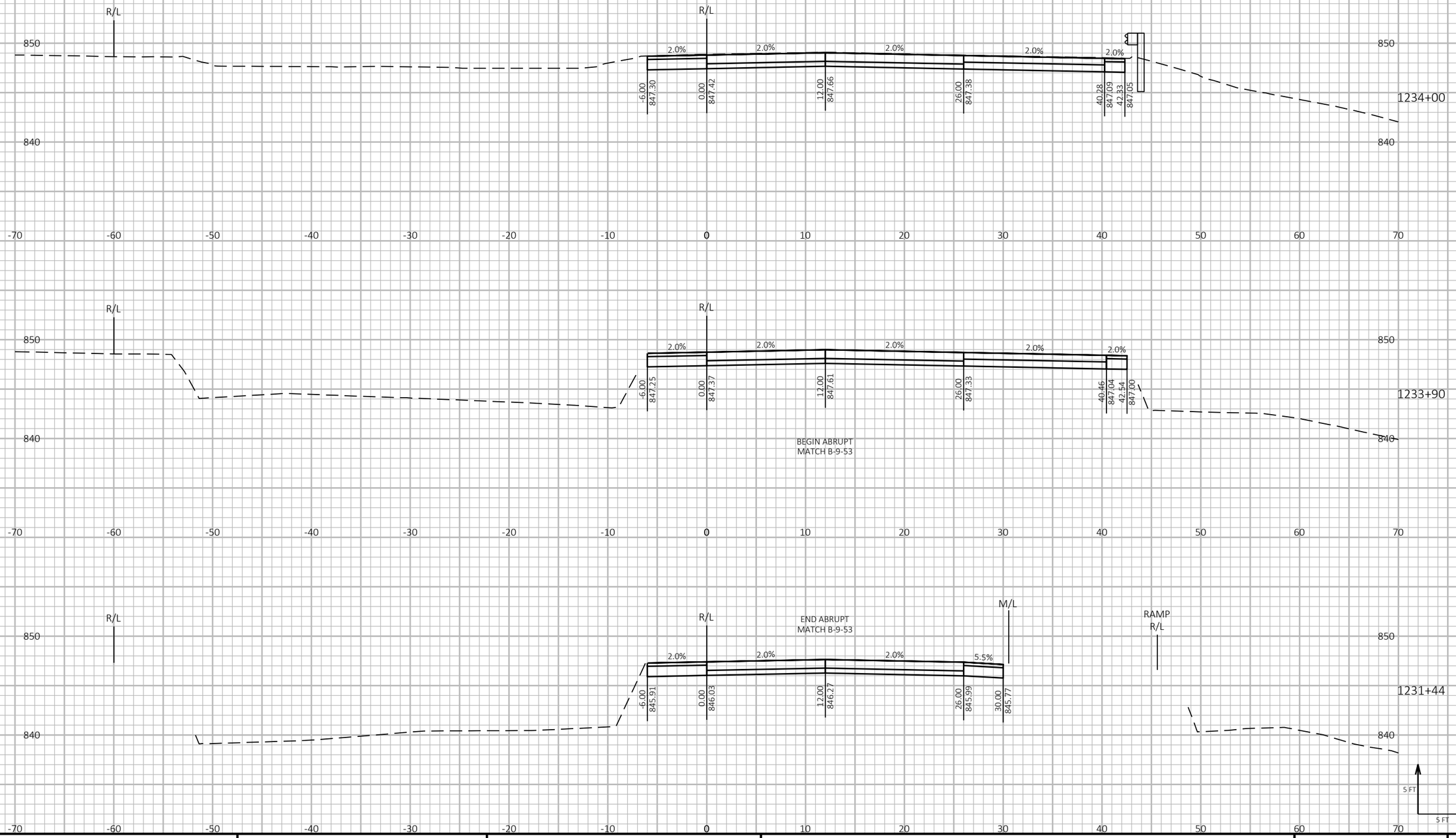
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 654	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 14

PLOT DATE : 7/26/2023 10:34 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

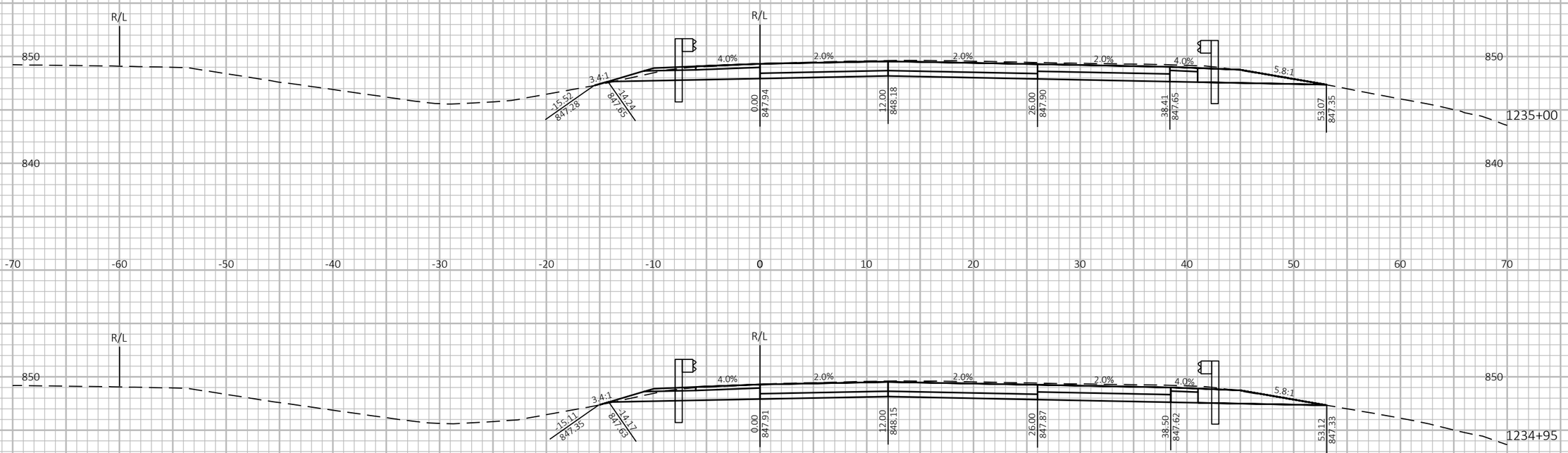
WISDOT/CADDS SHEET 49

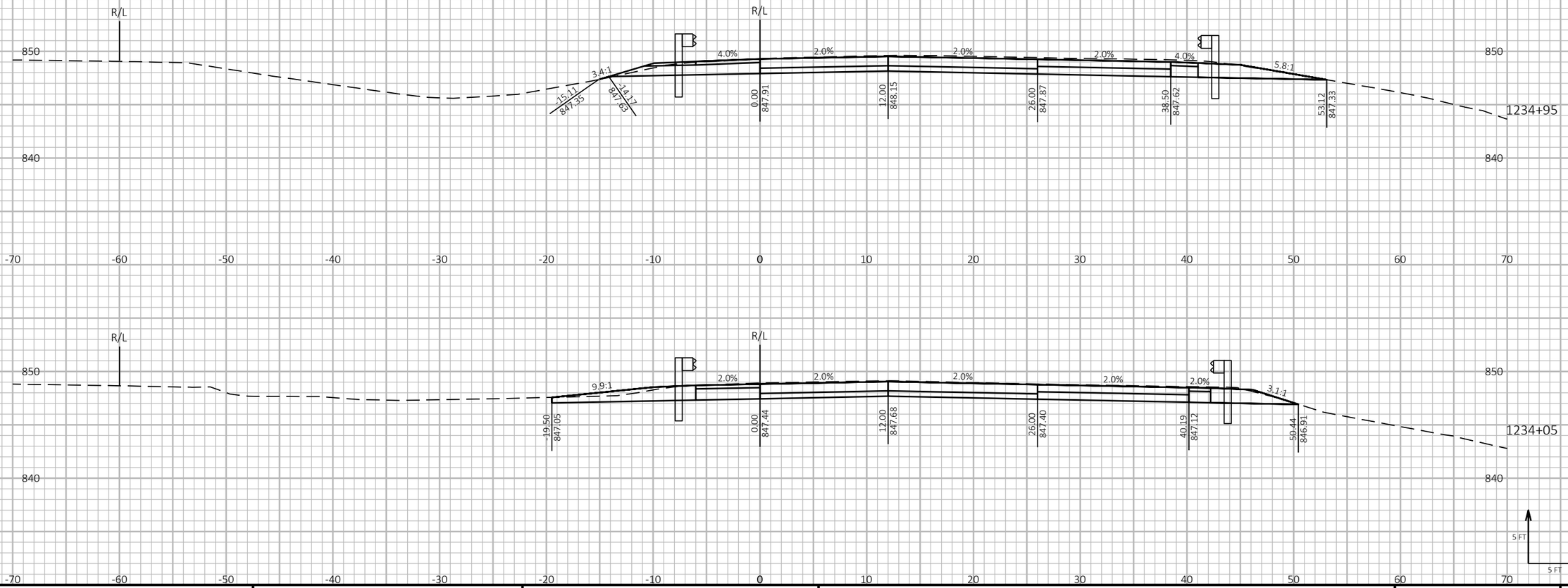
LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT





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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 655	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 15

PLOT DATE : 7/26/2023 10:34 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

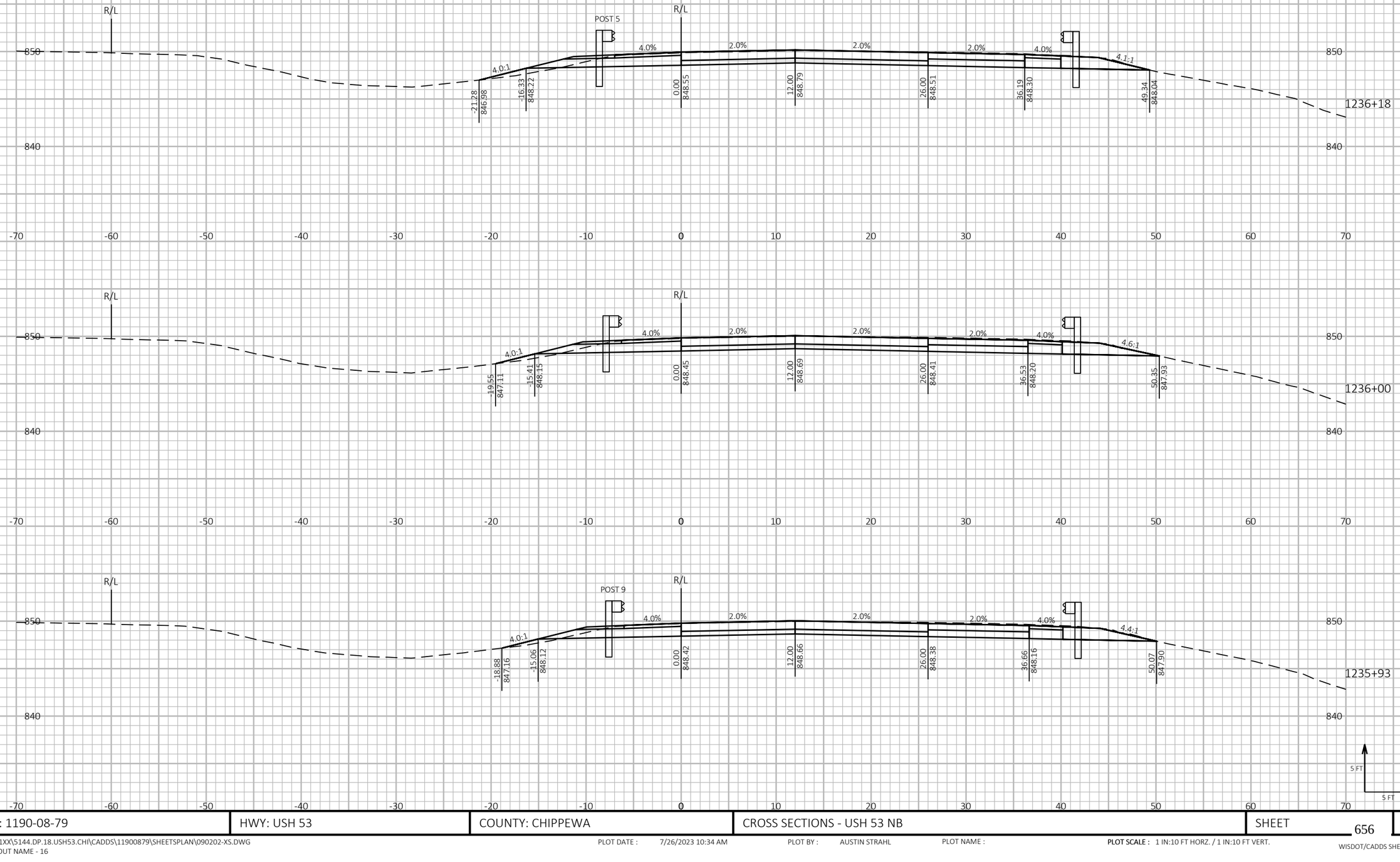
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 656	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 16

PLOT DATE : 7/26/2023 10:34 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

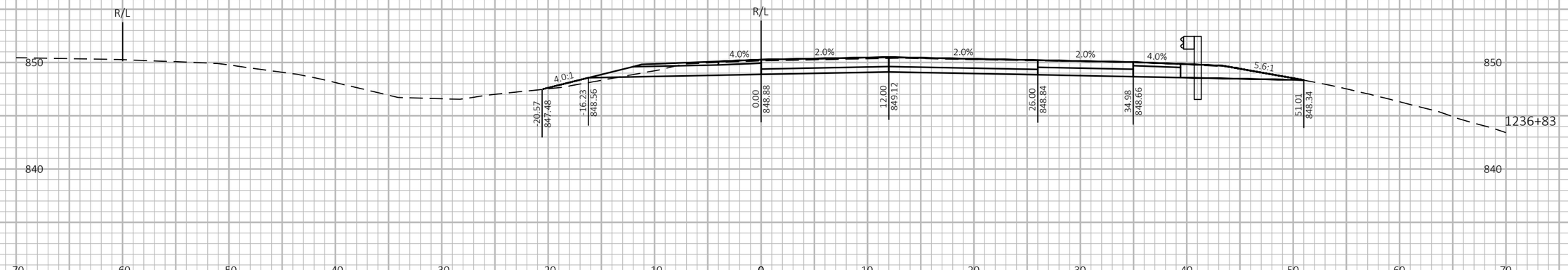
LEGEND

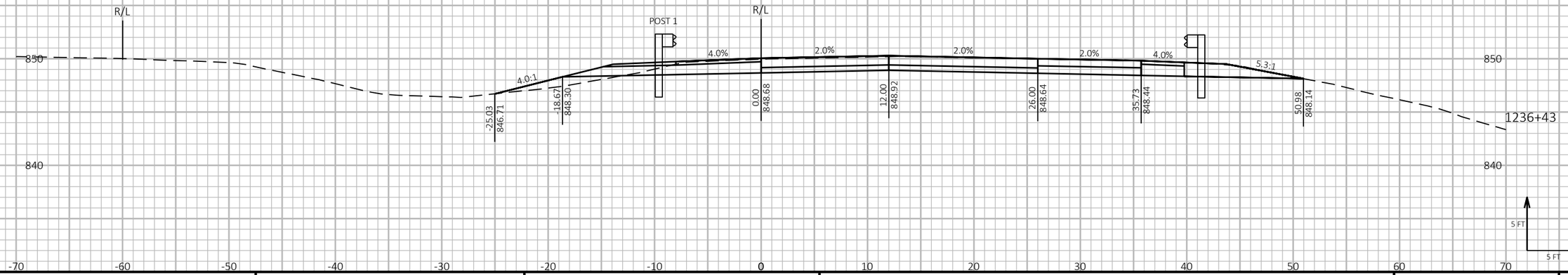
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 657	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 17

PLOT DATE : 7/26/2023 10:34 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

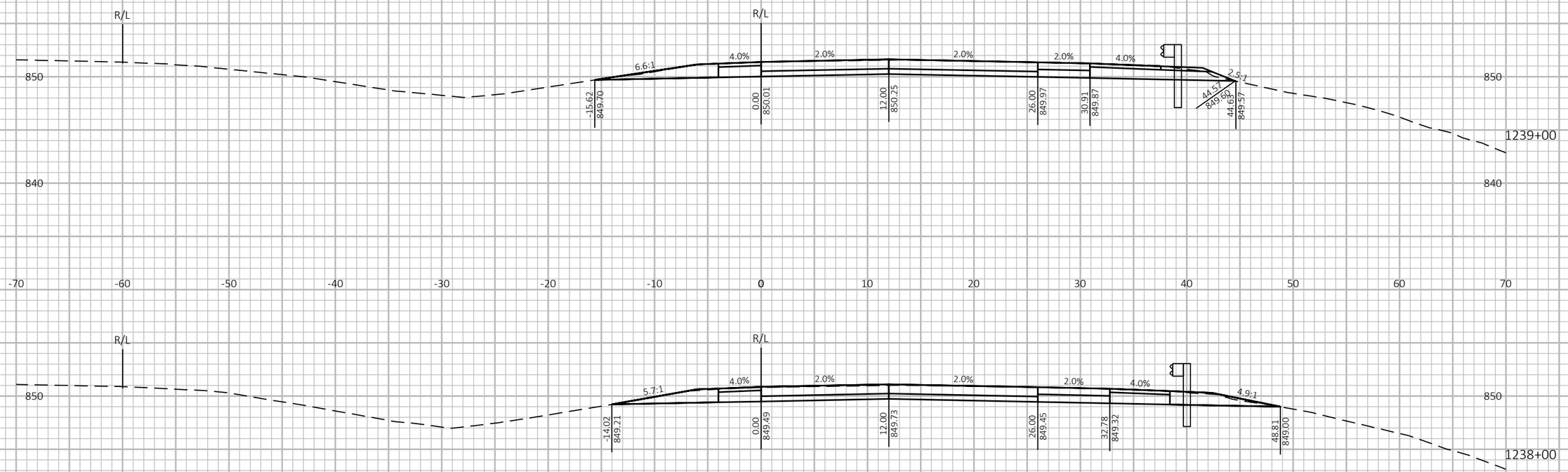
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 658	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 18

PLOT DATE : 7/26/2023 10:35 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

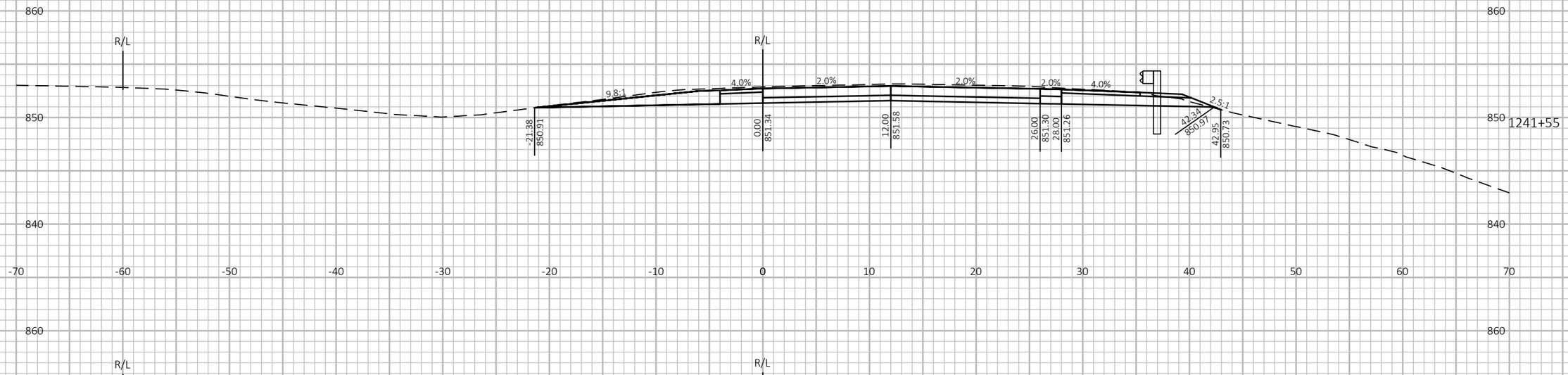
WISDOT/CADDS SHEET 49

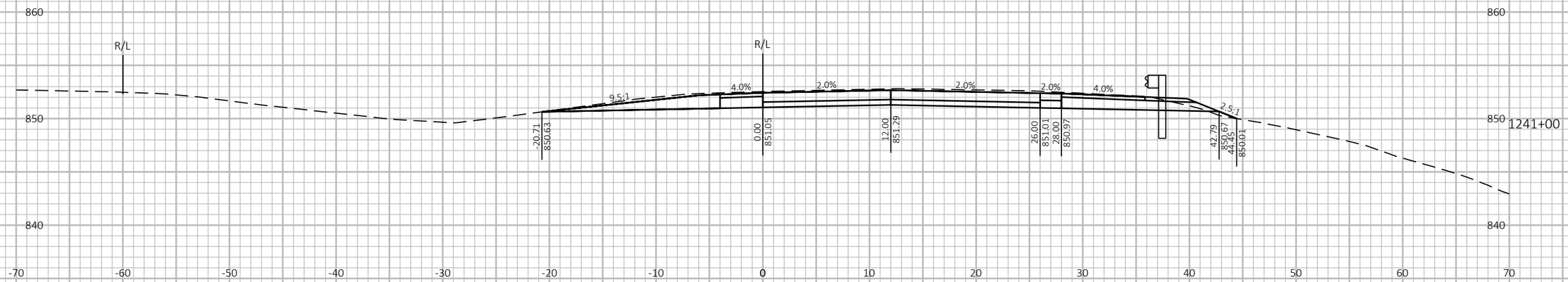
LEGEND

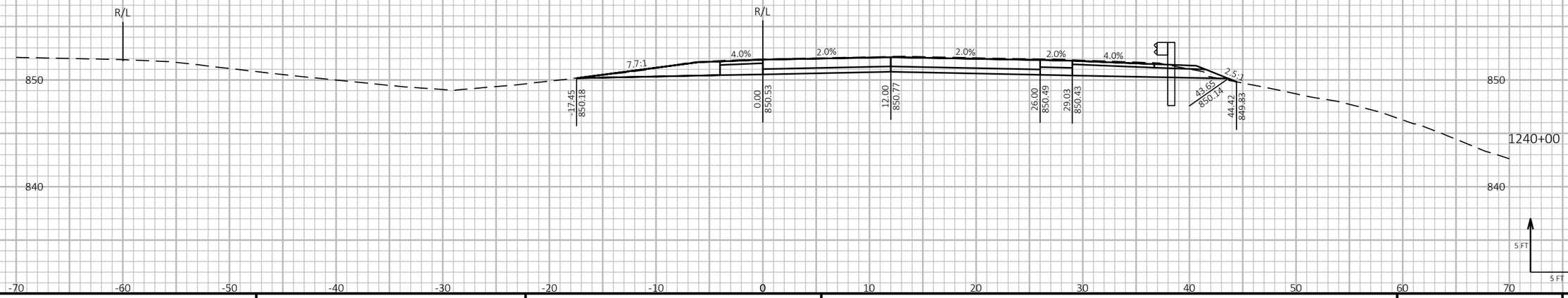
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 659	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 19

PLOT DATE : 7/26/2023 10:35 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

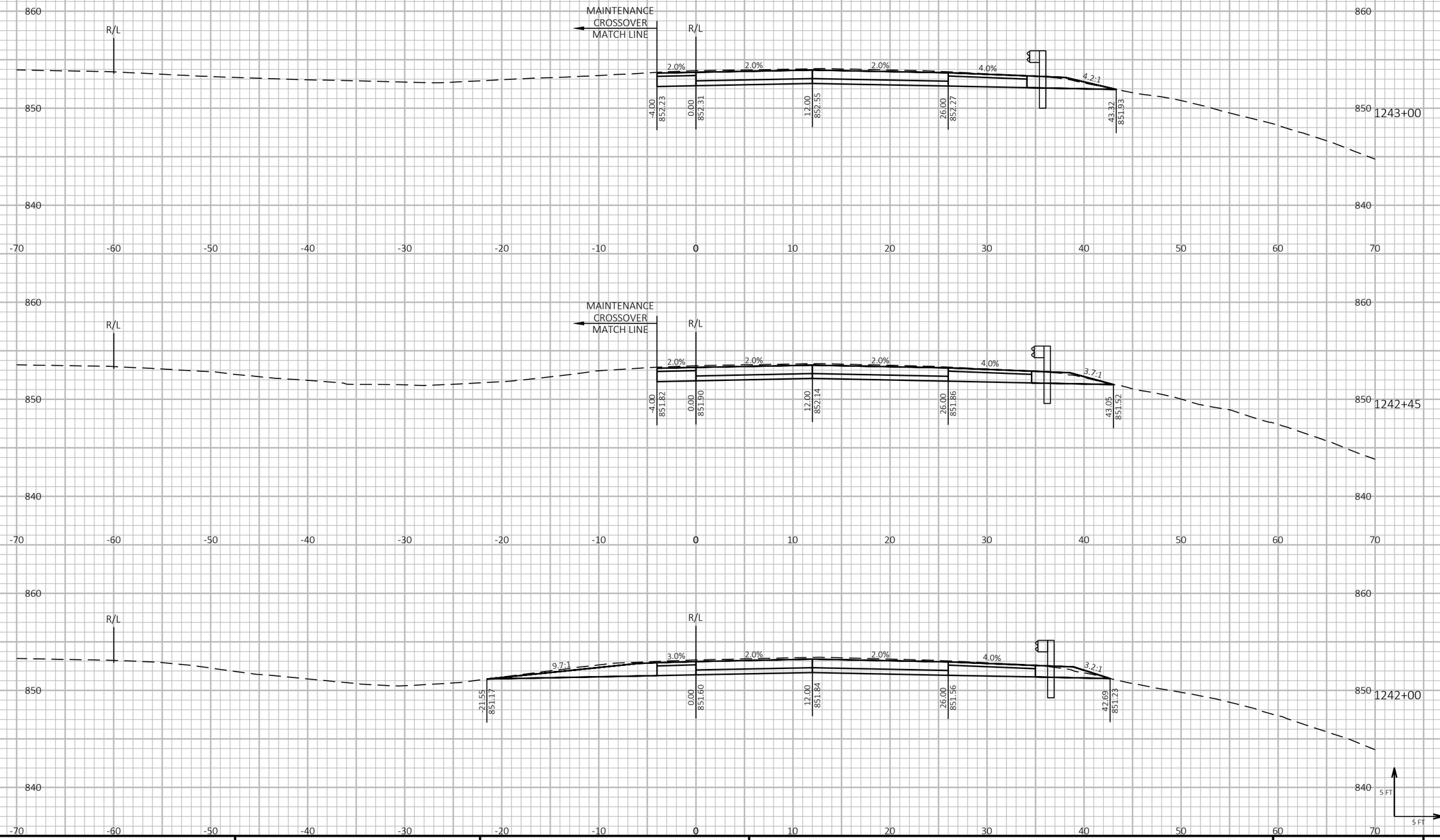
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 660	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 20

PLOT DATE : 7/26/2023 10:35 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

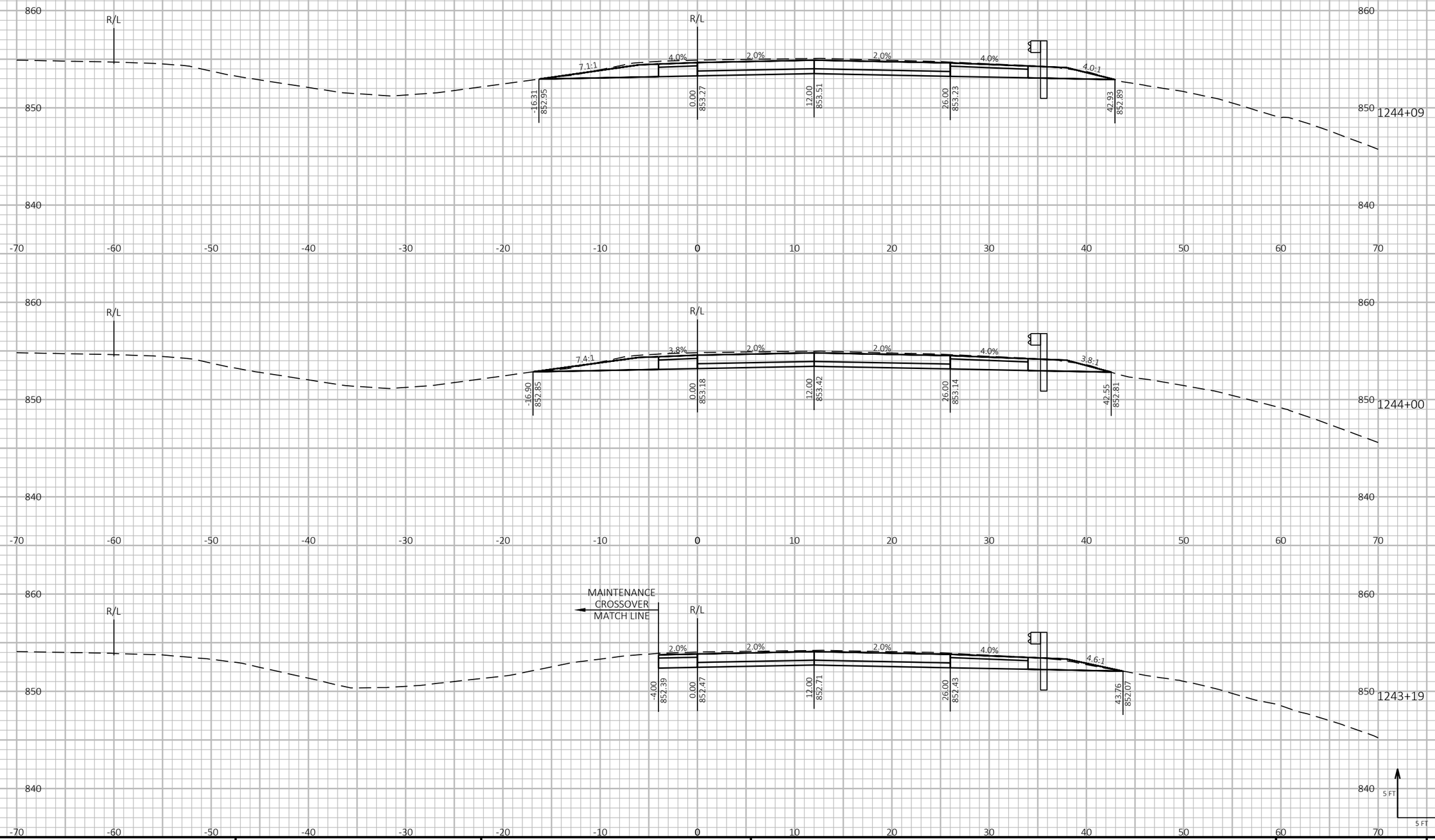
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 661	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 21

PLOT DATE : 7/26/2023 10:35 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

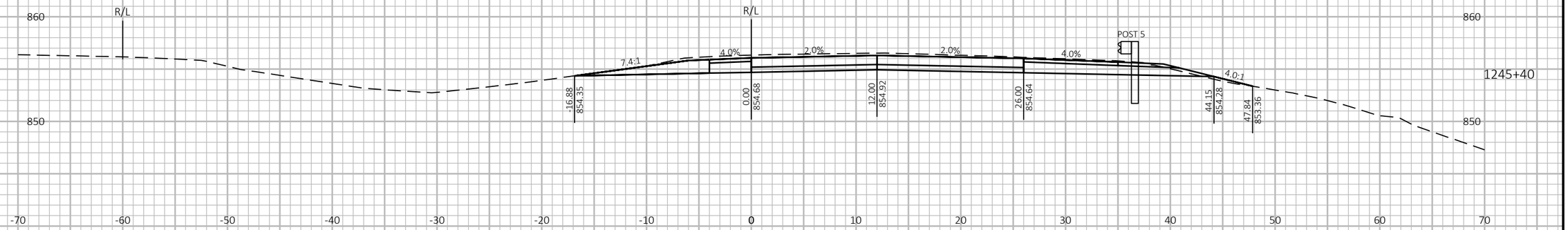
WISDOT/CADDS SHEET 49

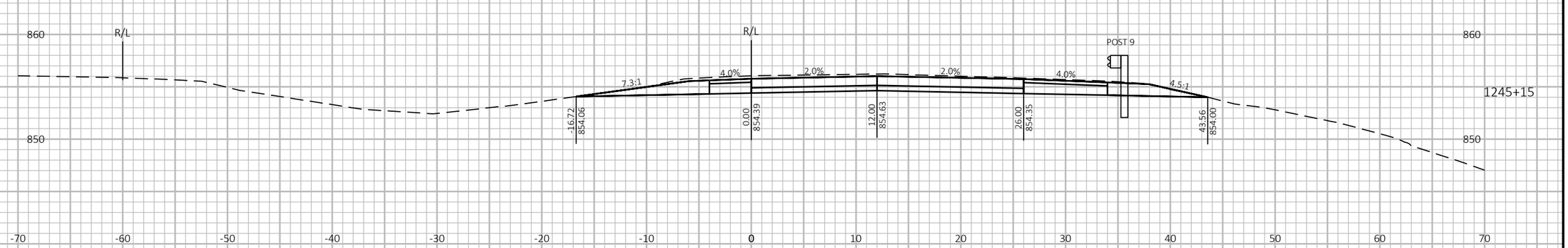
LEGEND

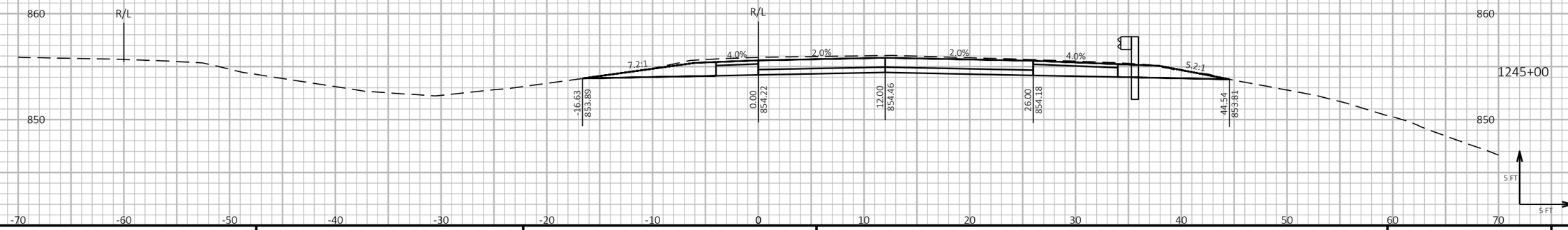
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 662	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 22

PLOT DATE : 7/26/2023 10:36 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

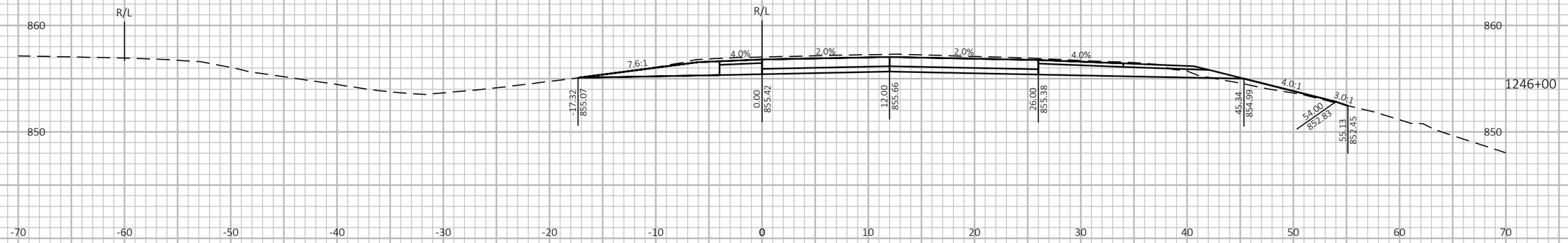
WISDOT/CADDS SHEET 49

LEGEND

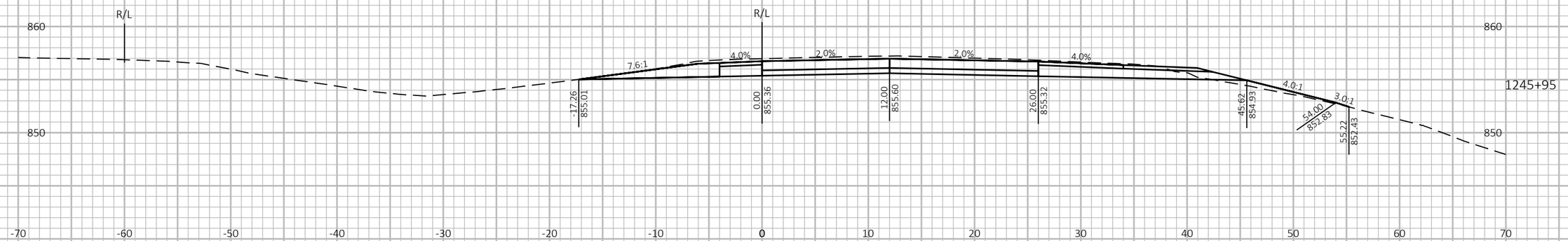
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

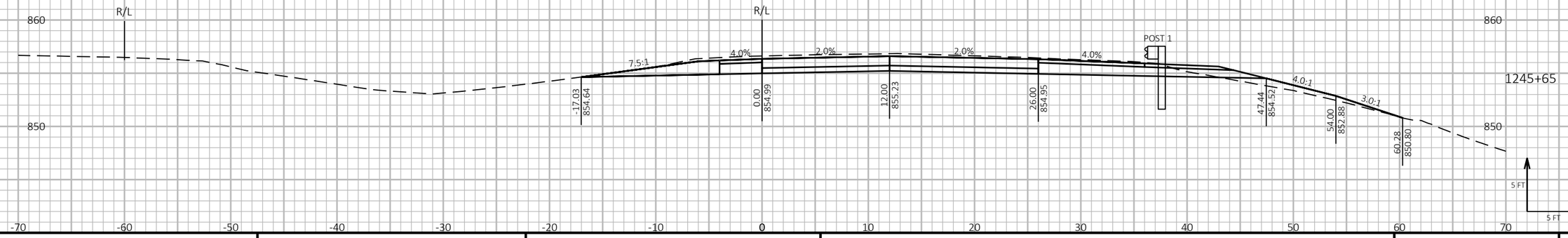
CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



1246+00



1245+95



1245+65

9 9

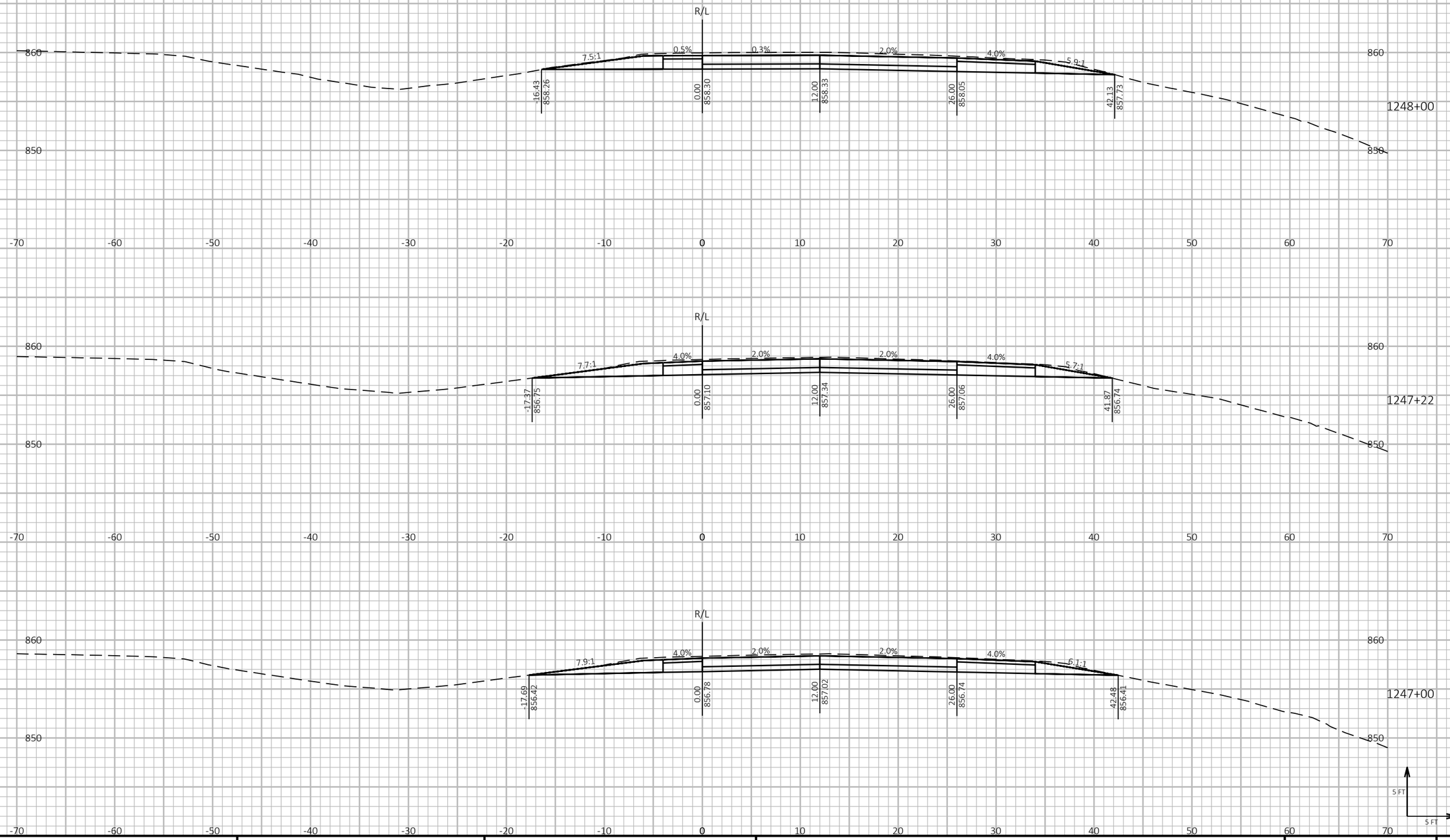
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 663	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 23

PLOT DATE : 7/26/2023 10:36 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 664	E

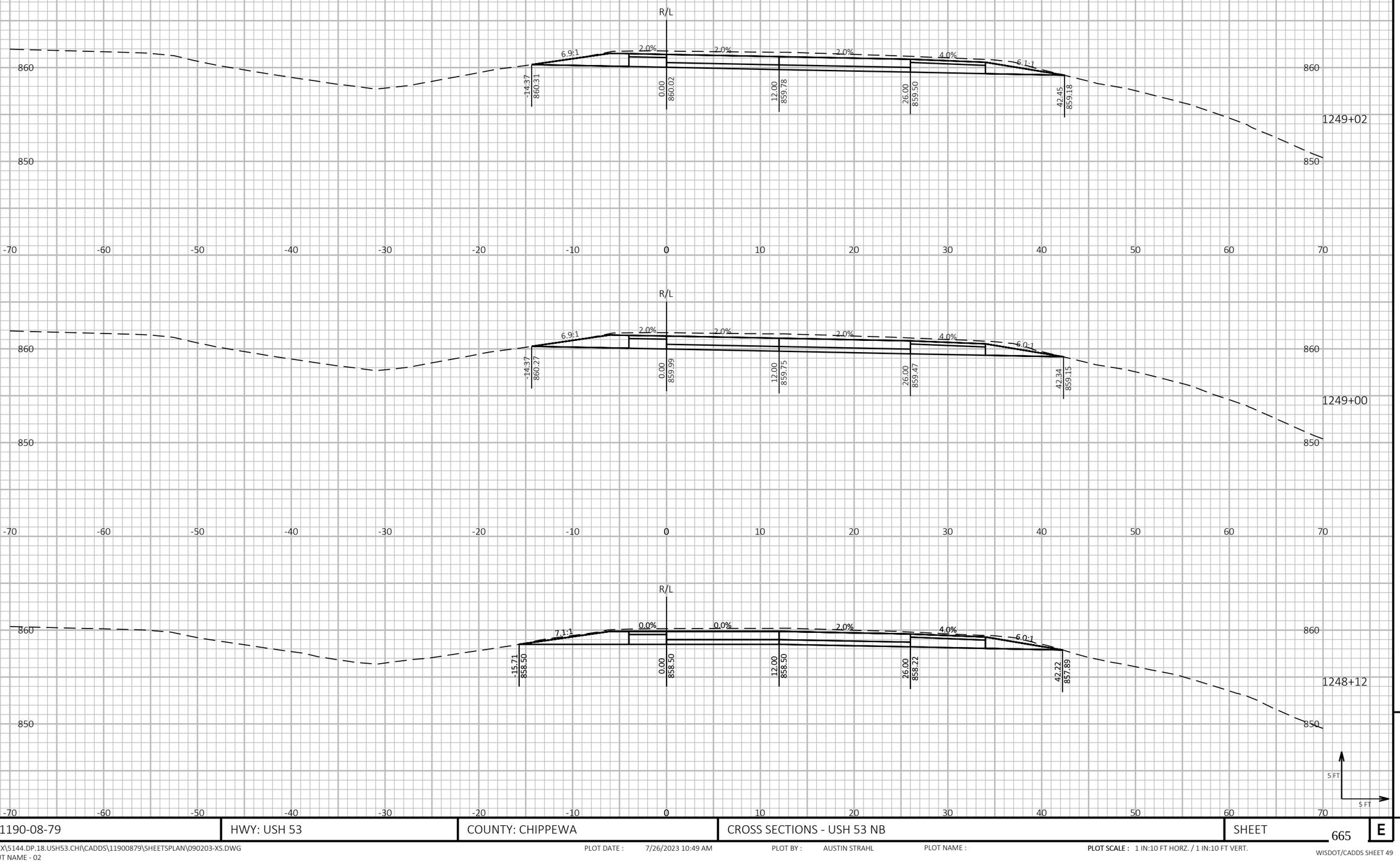
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 10:49 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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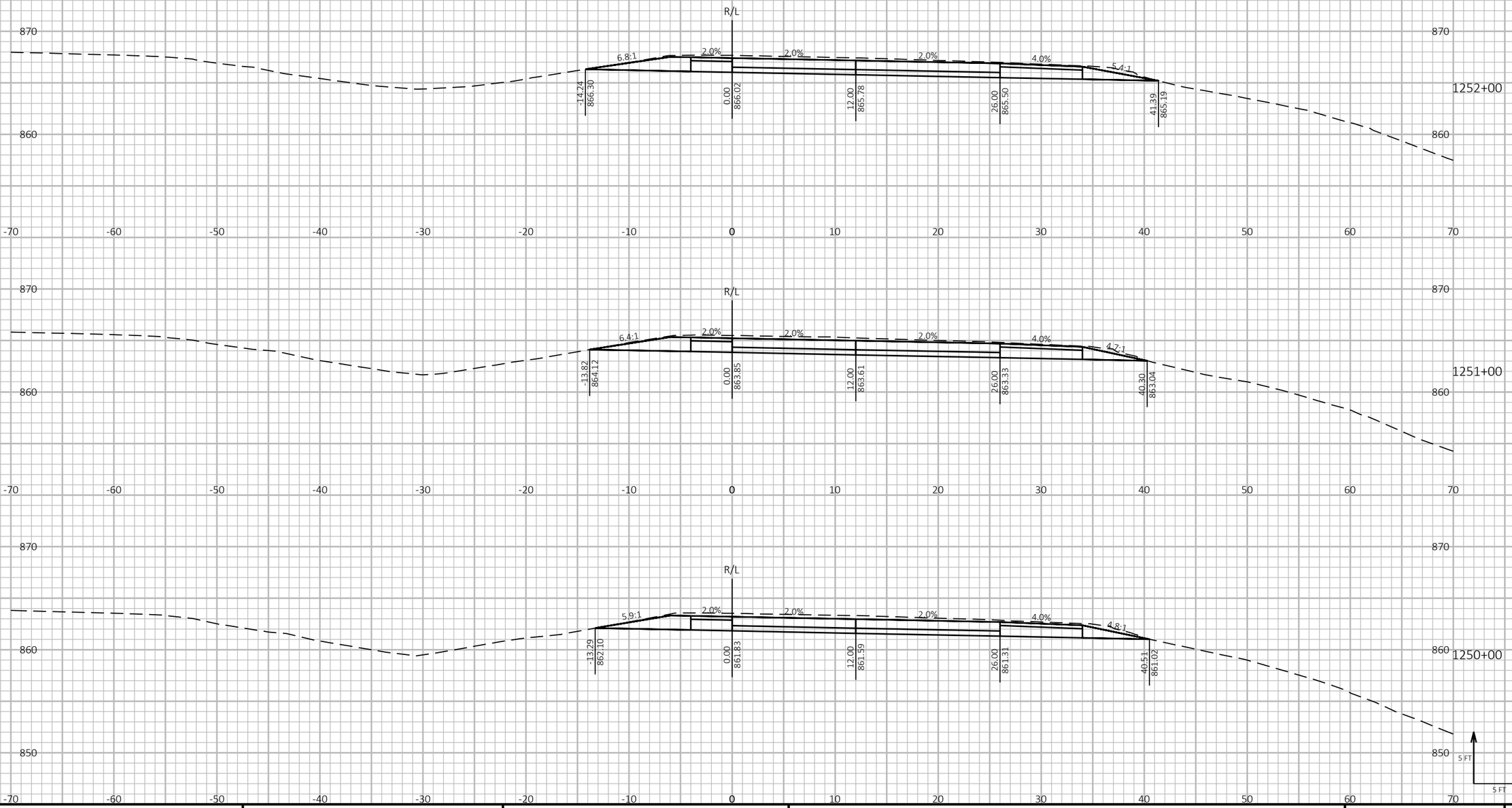
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 665	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/26/2023 10:49 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 666	E

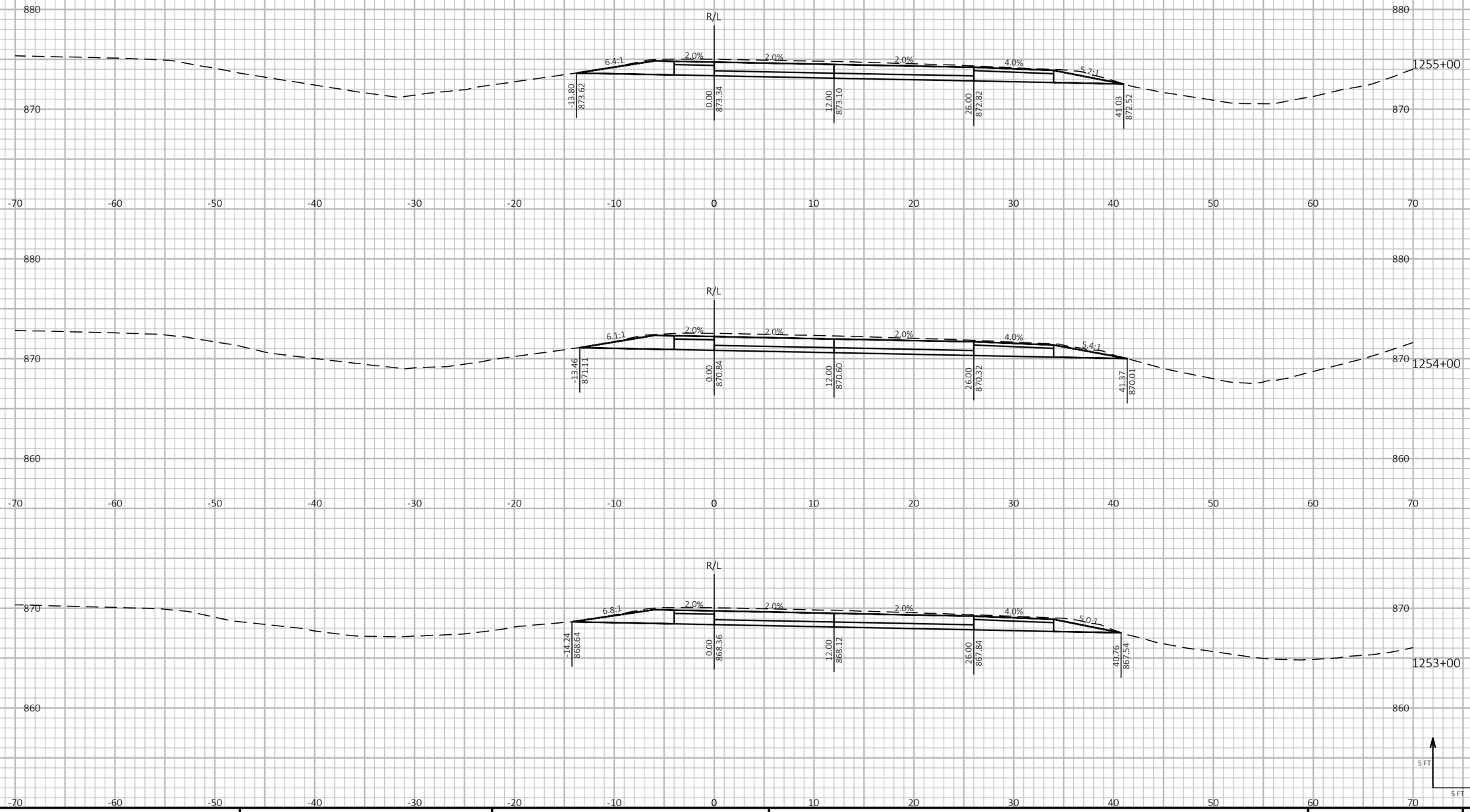
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/26/2023 10:50 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 667	E

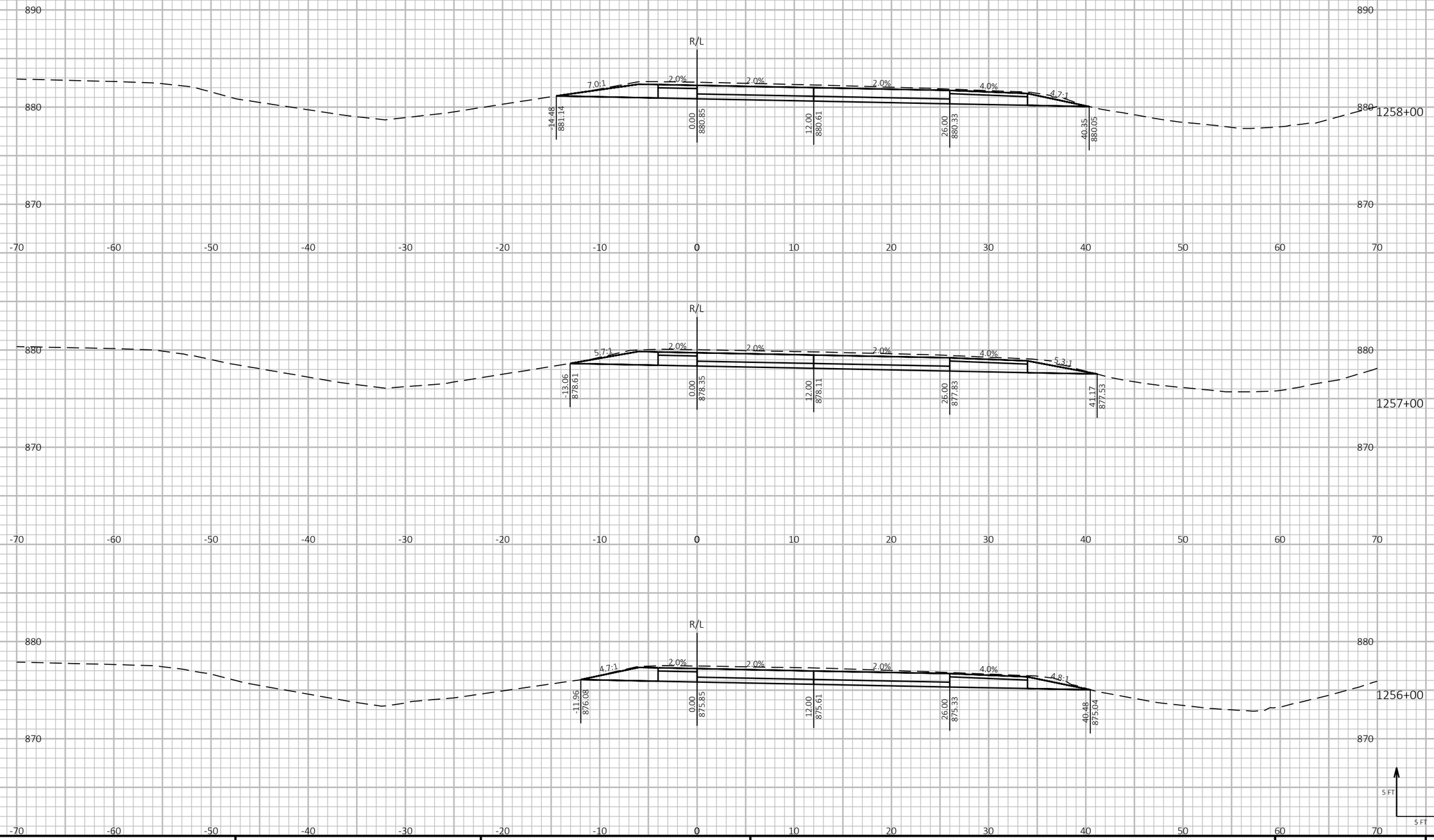
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 7/26/2023 10:50 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 668	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 05

PLOT DATE : 7/26/2023 10:50 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 669	E

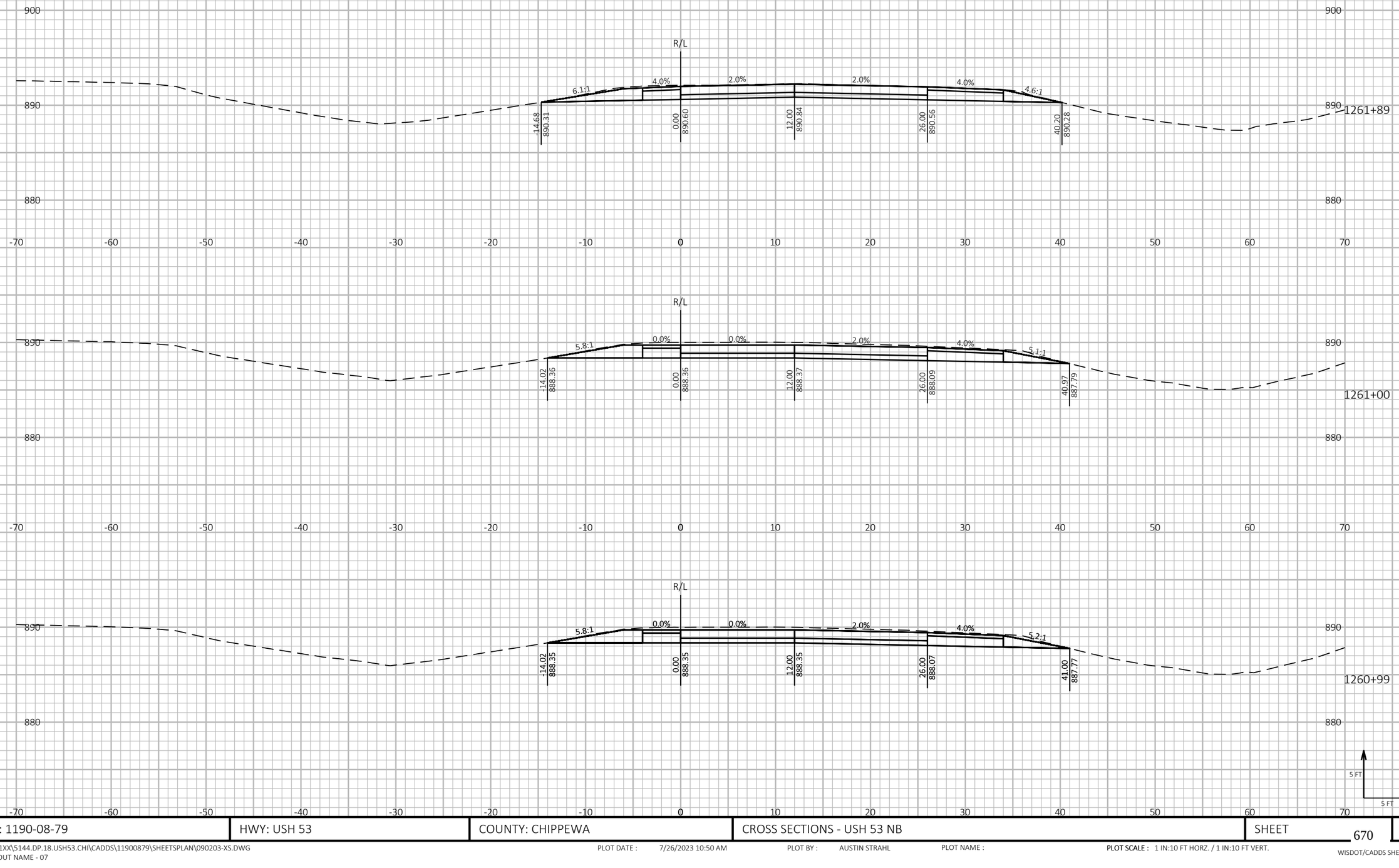
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/26/2023 10:50 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 670	E

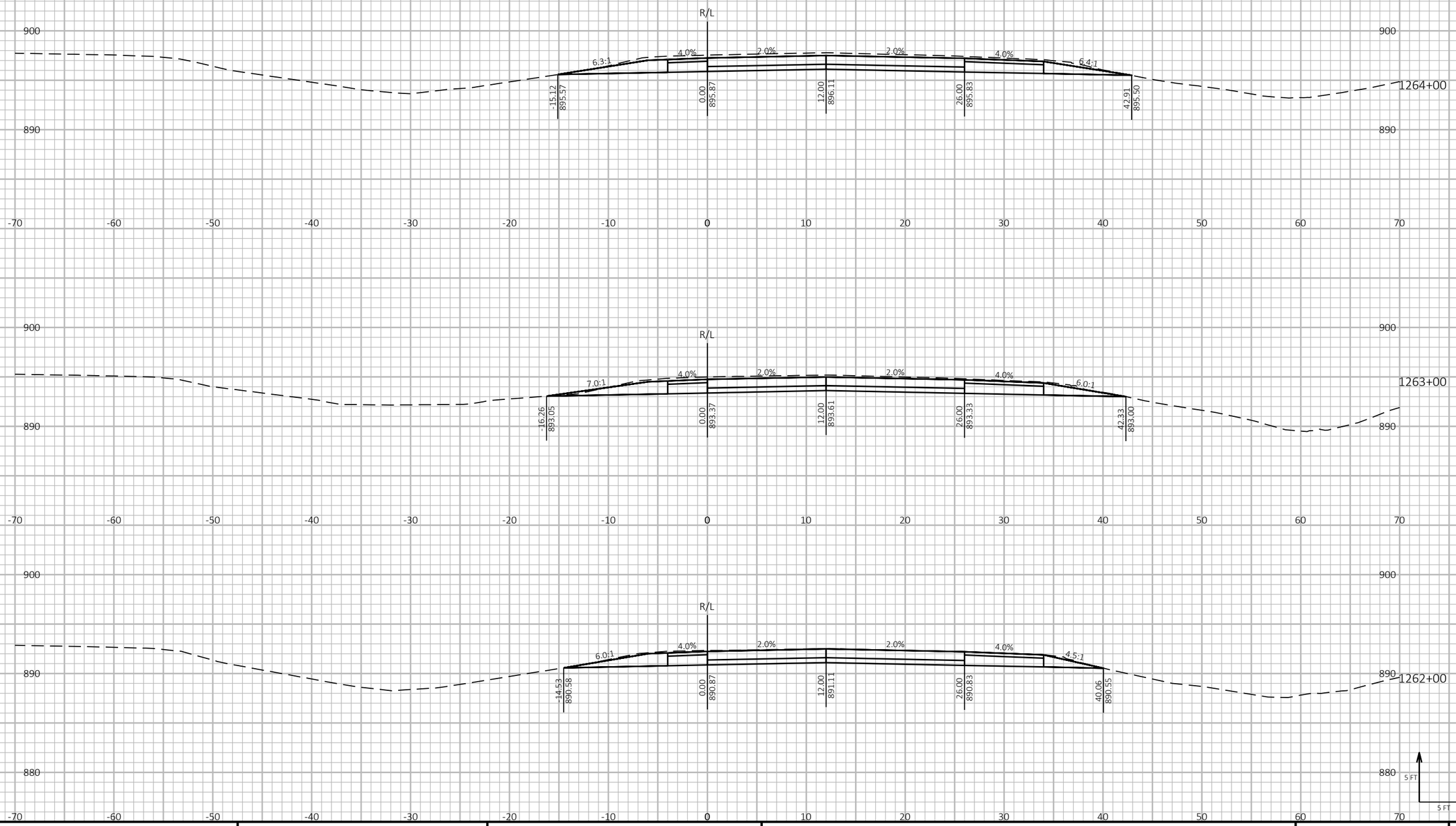
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 07

PLOT DATE : 7/26/2023 10:50 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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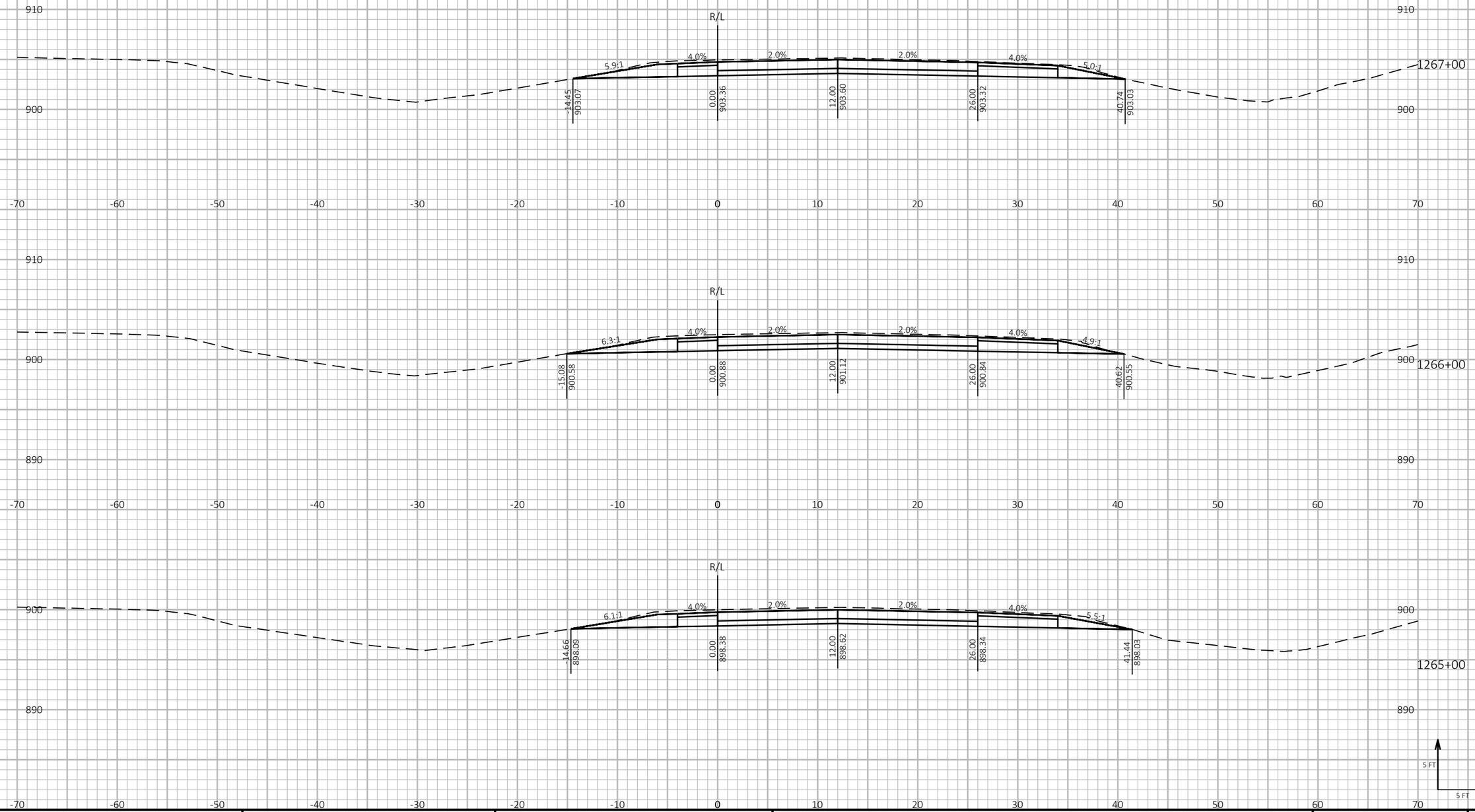
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 671	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 08

PLOT DATE : 7/26/2023 10:50 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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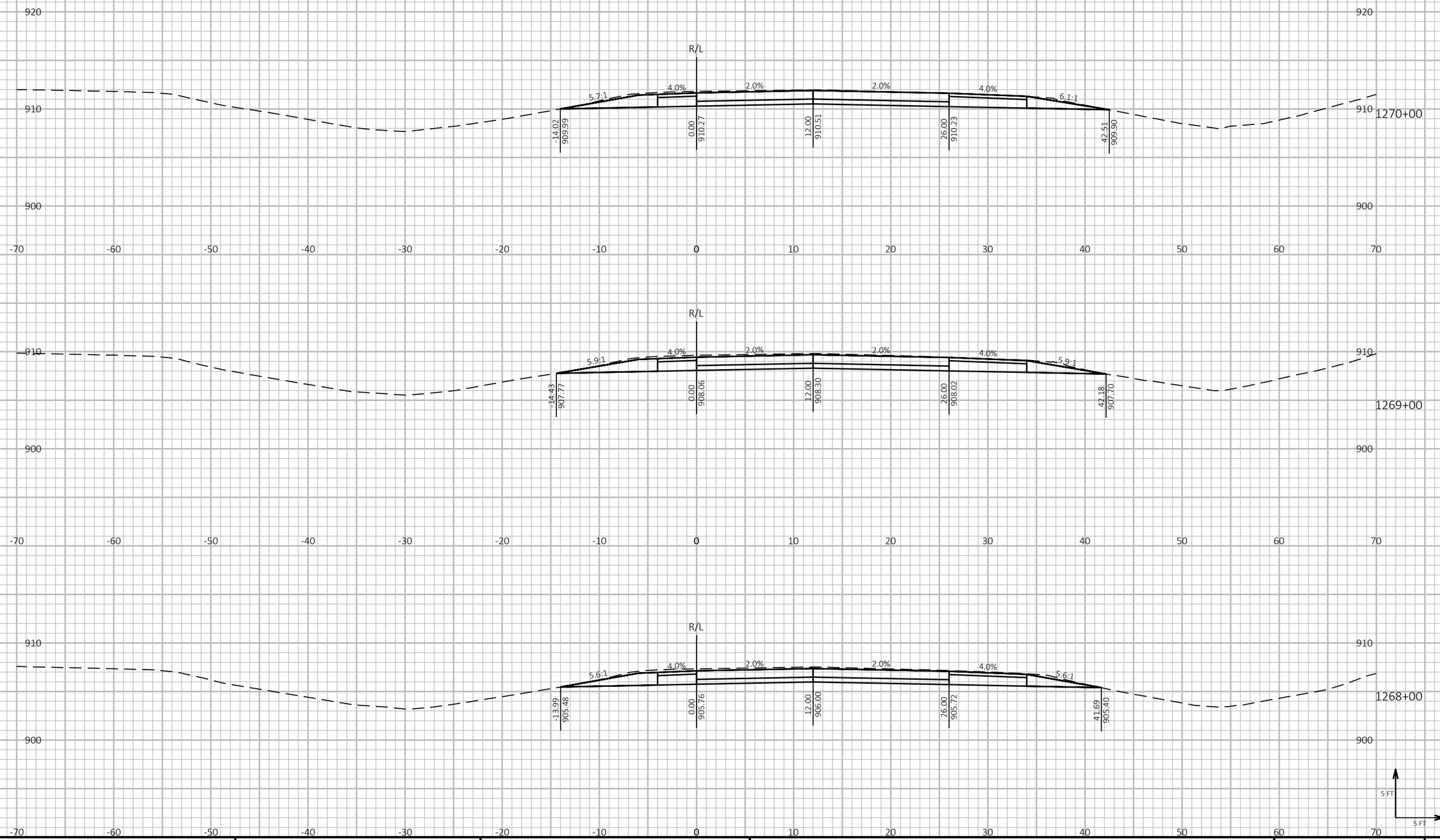
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 672	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 09

PLOT DATE : 7/26/2023 10:51 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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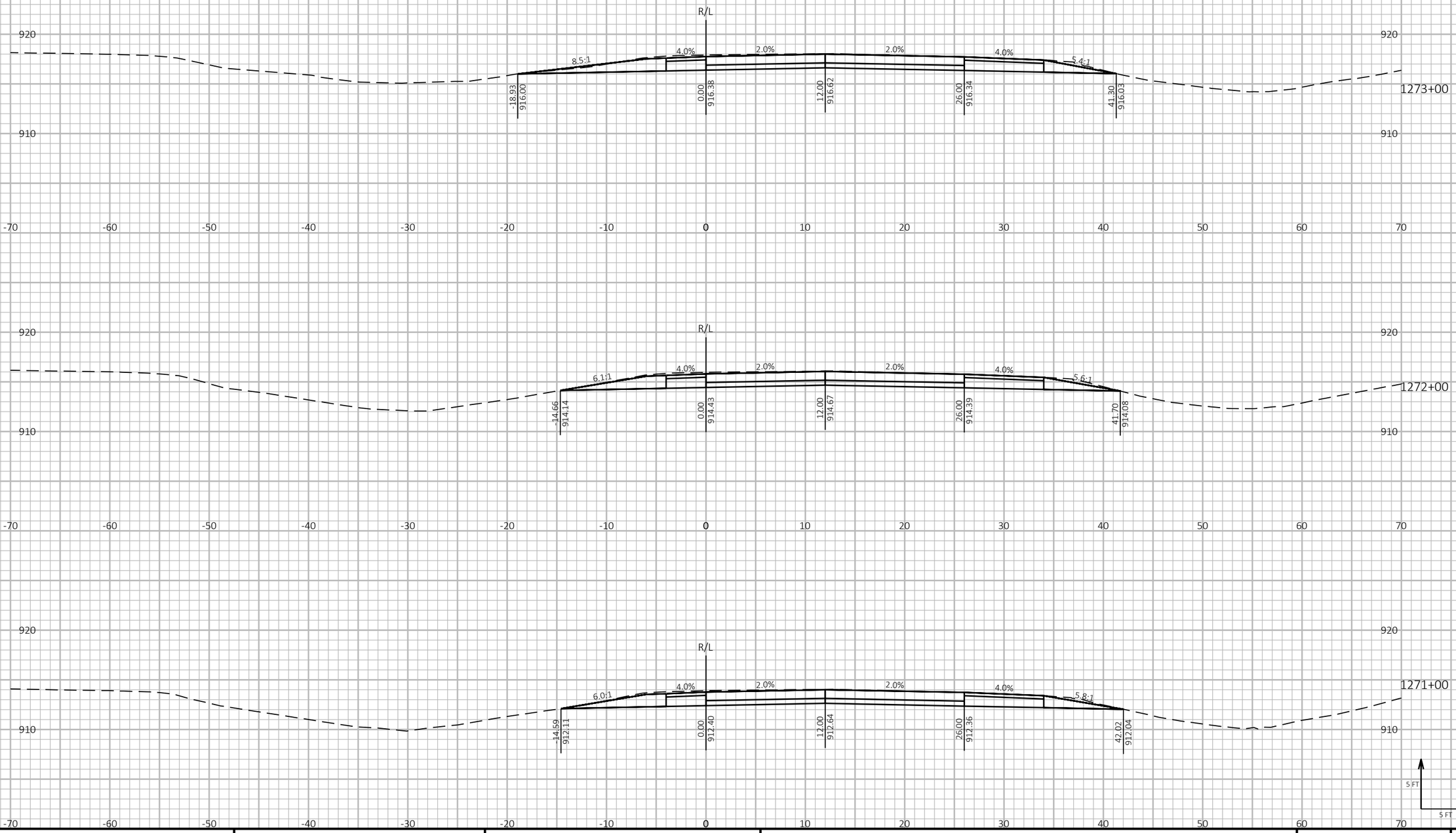
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 673	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 10

PLOT DATE : 7/26/2023 10:51 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 674	E

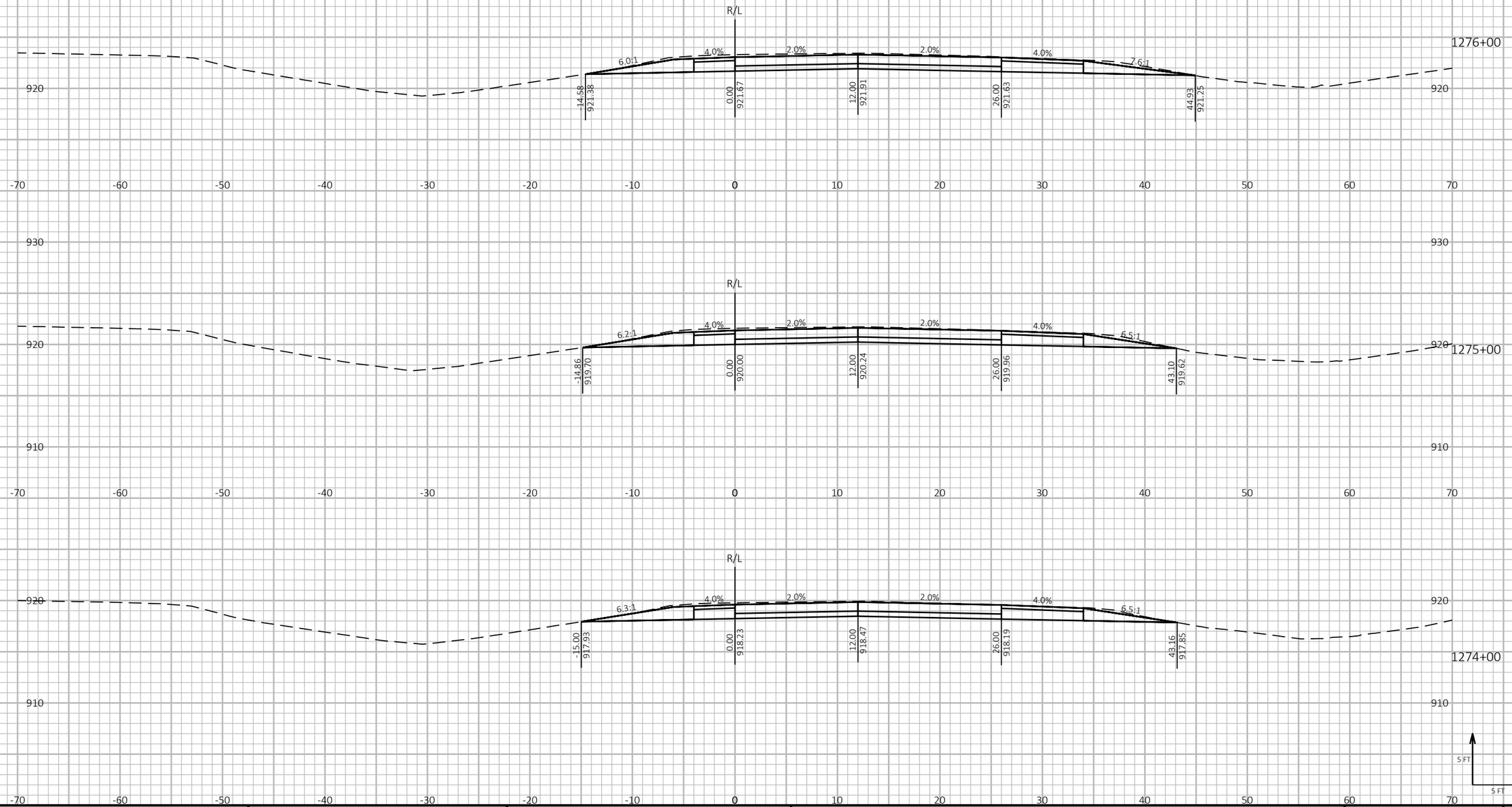
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 11

PLOT DATE : 7/26/2023 10:51 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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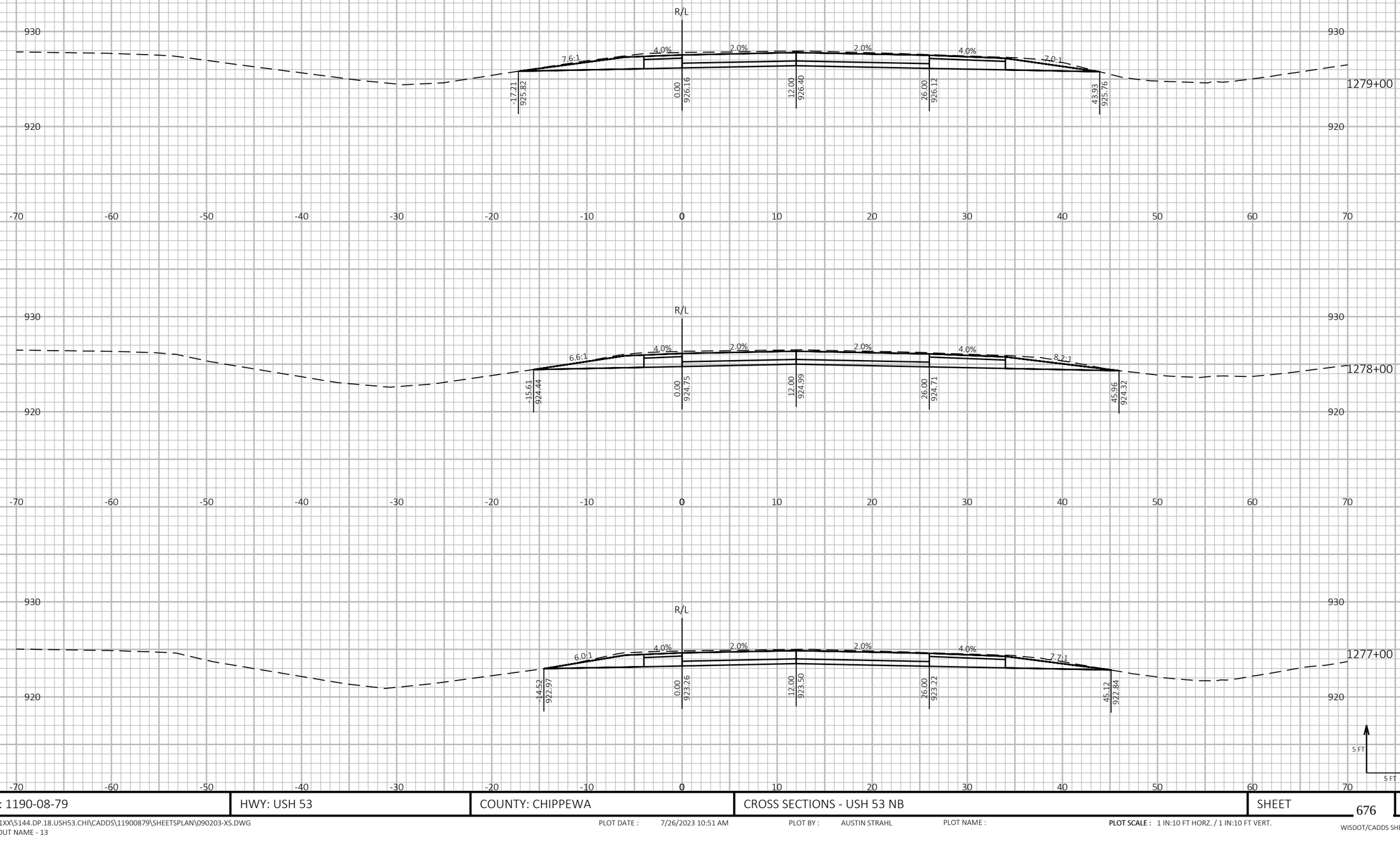
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 675	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 12

PLOT DATE : 7/26/2023 10:51 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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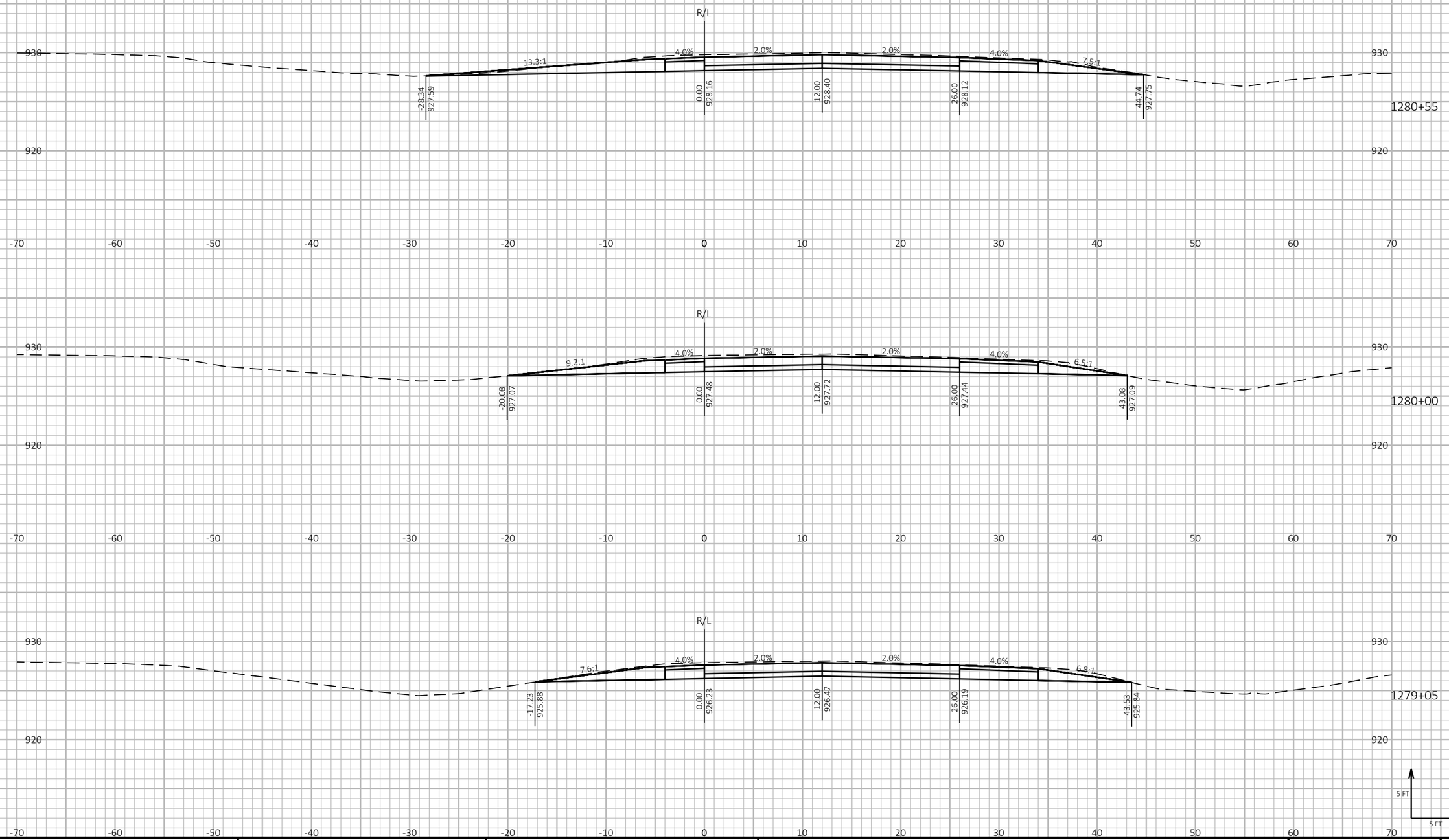
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 676	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 13

PLOT DATE : 7/26/2023 10:51 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 677	E

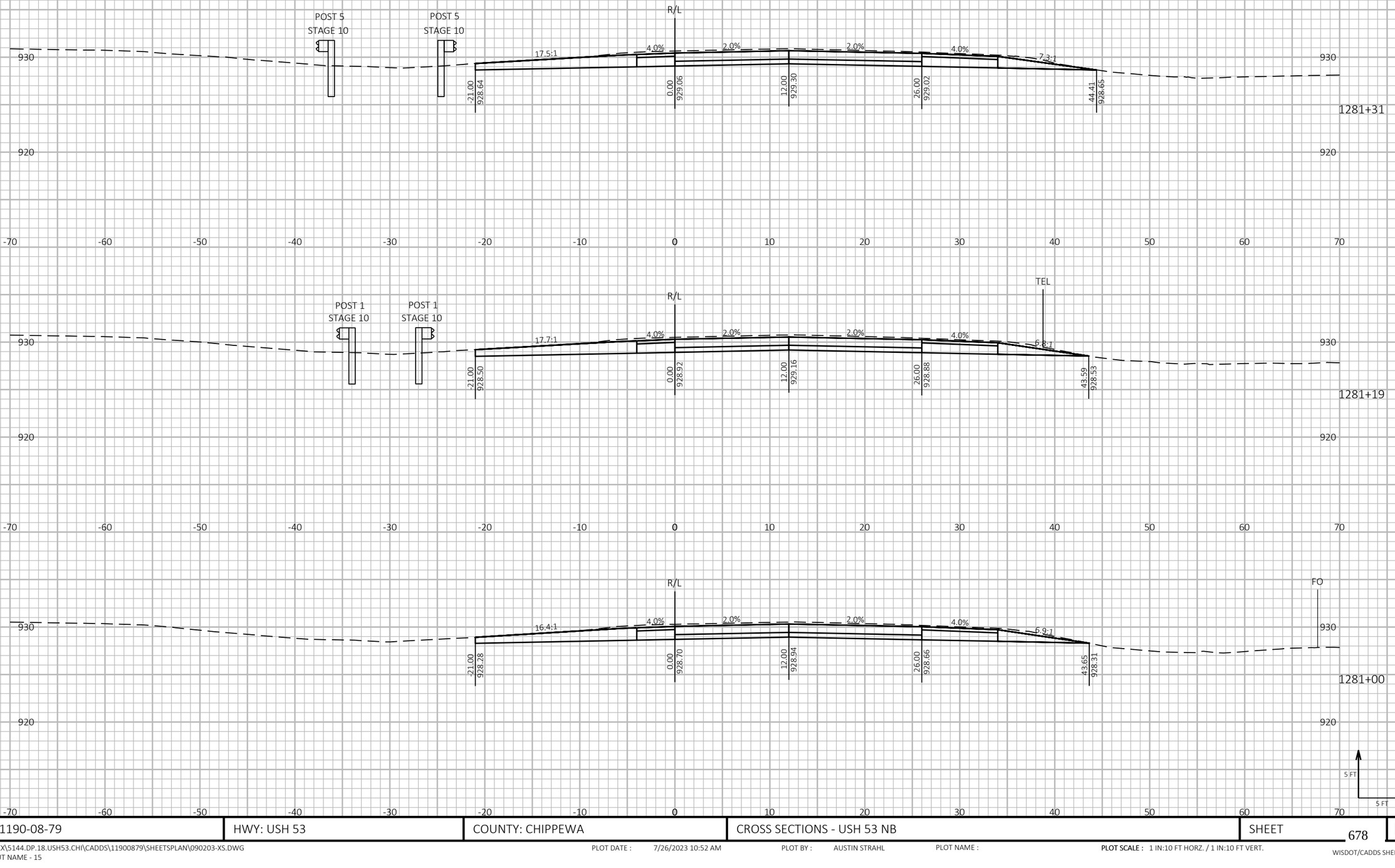
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 14

PLOT DATE : 7/26/2023 10:51 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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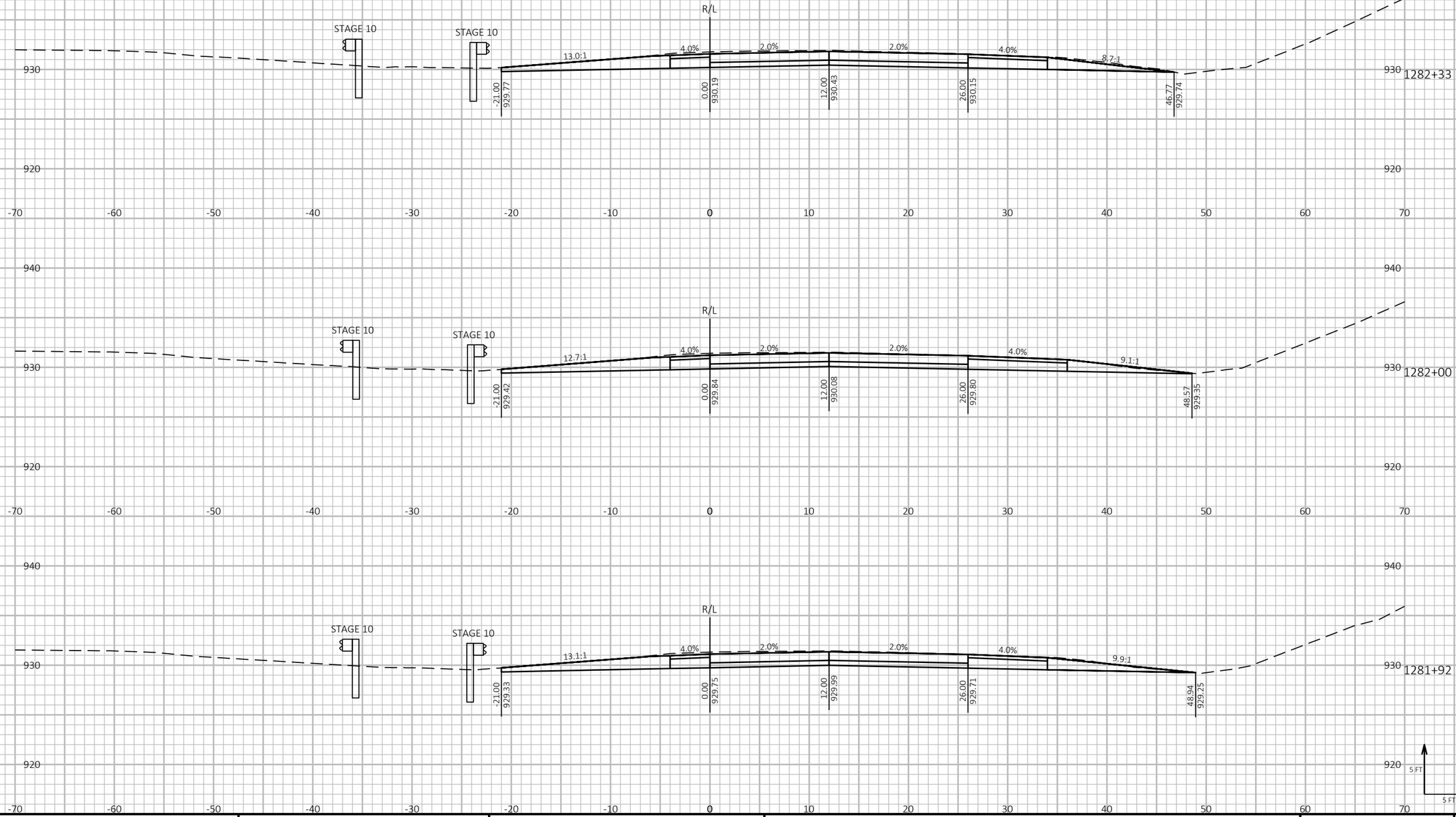
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 678	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 15

PLOT DATE : 7/26/2023 10:52 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 679	E

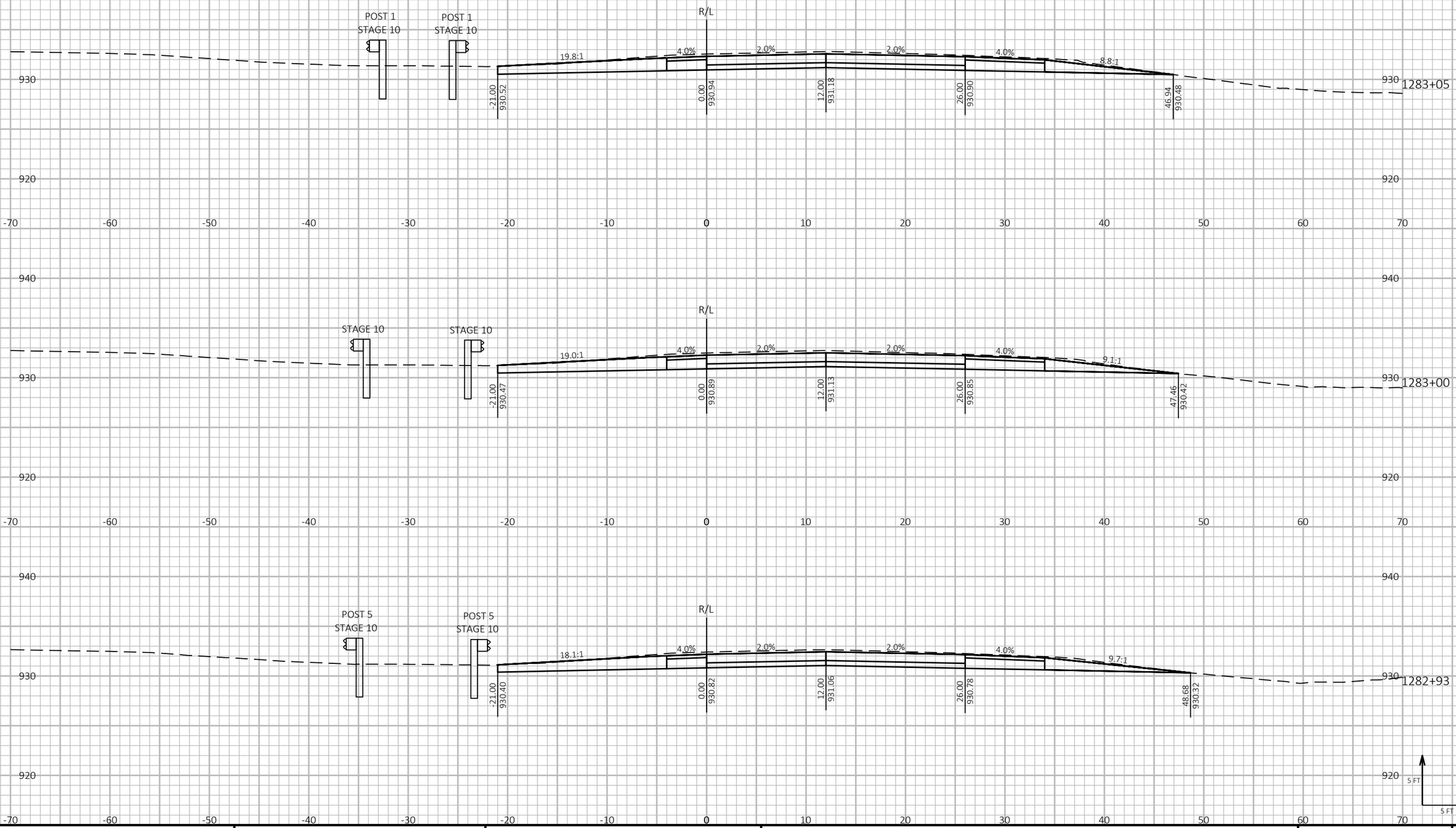
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 16

PLOT DATE : 7/26/2023 10:52 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 680	E

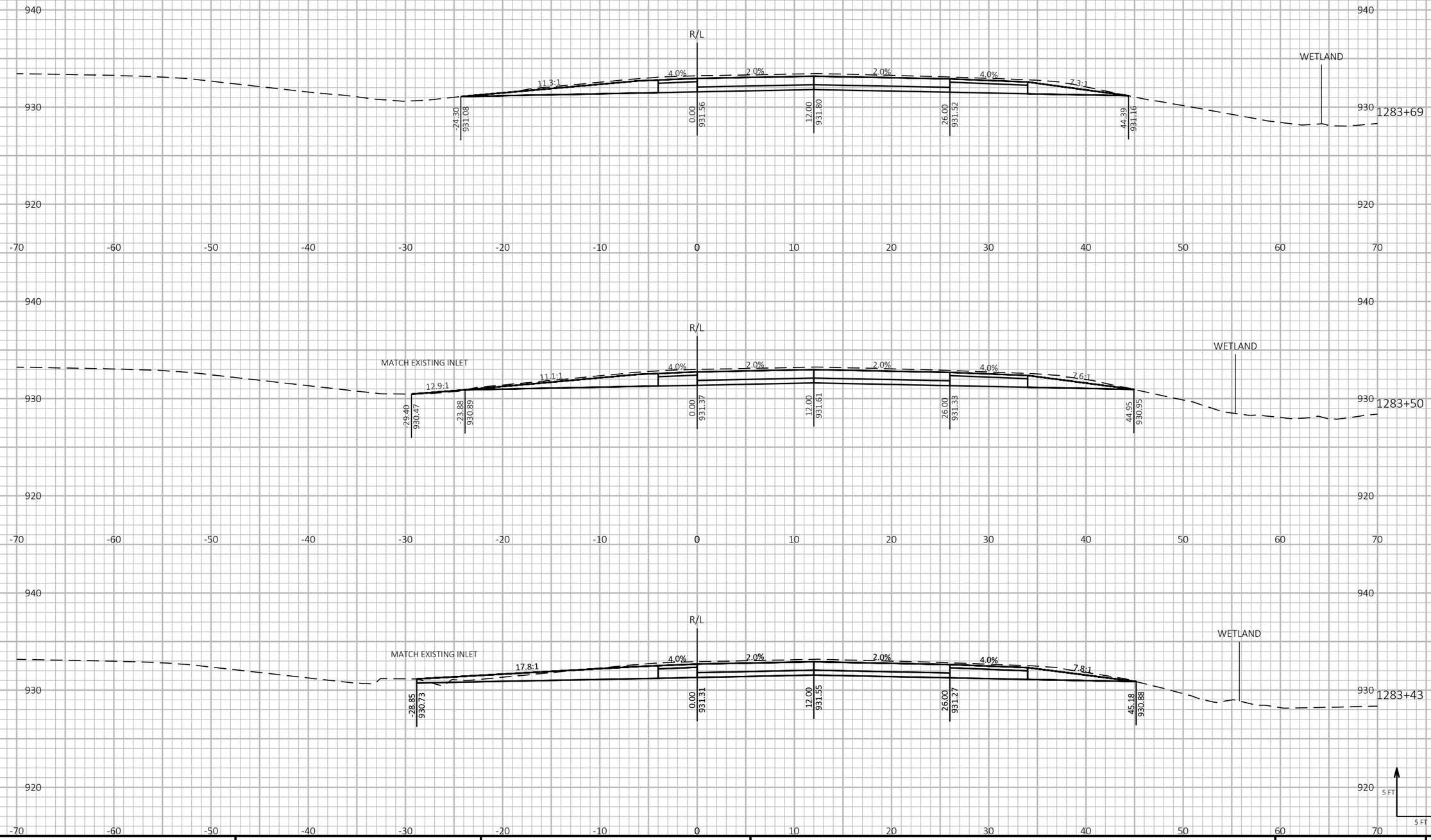
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 17

PLOT DATE : 7/26/2023 10:52 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 681	E

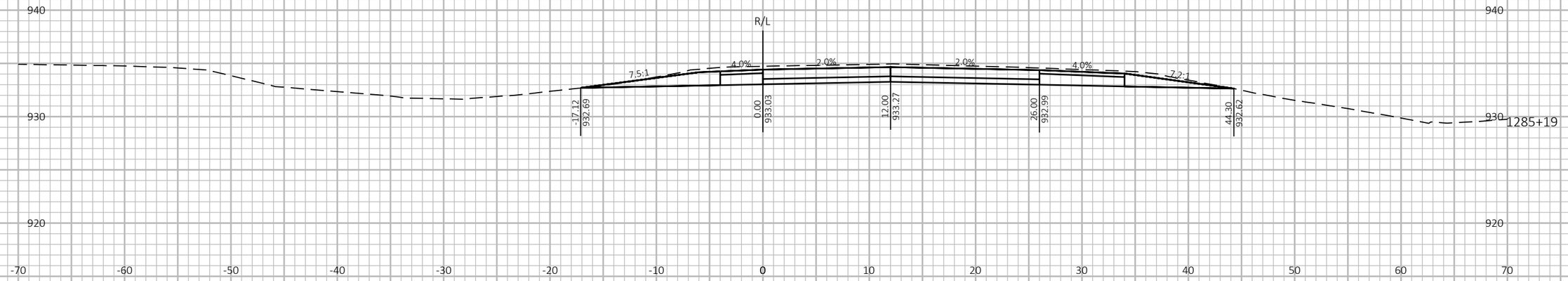
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LAYOUT NAME - 18

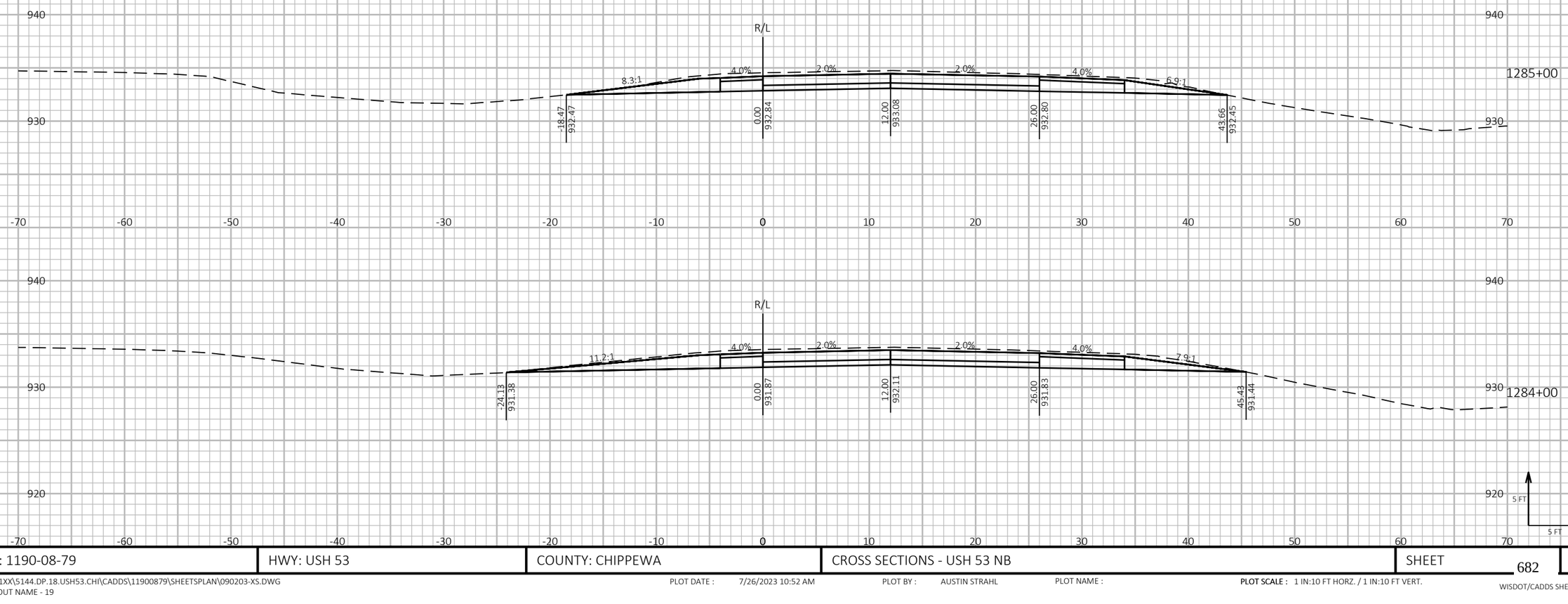
PLOT DATE : 7/26/2023 10:52 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT





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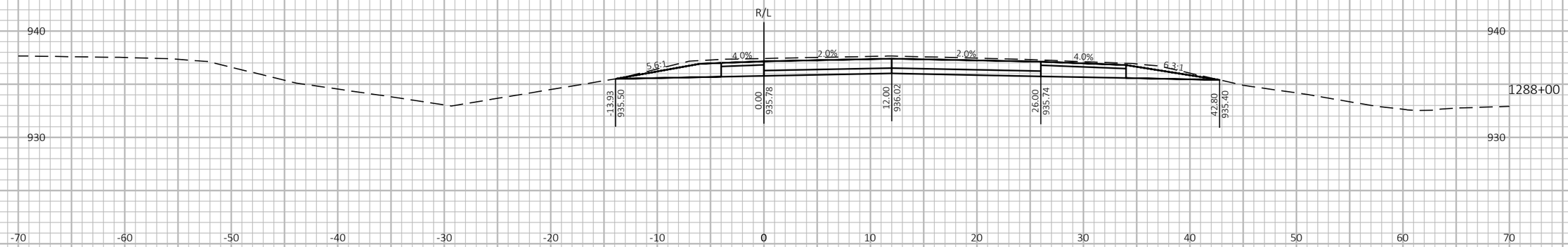
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 682	E

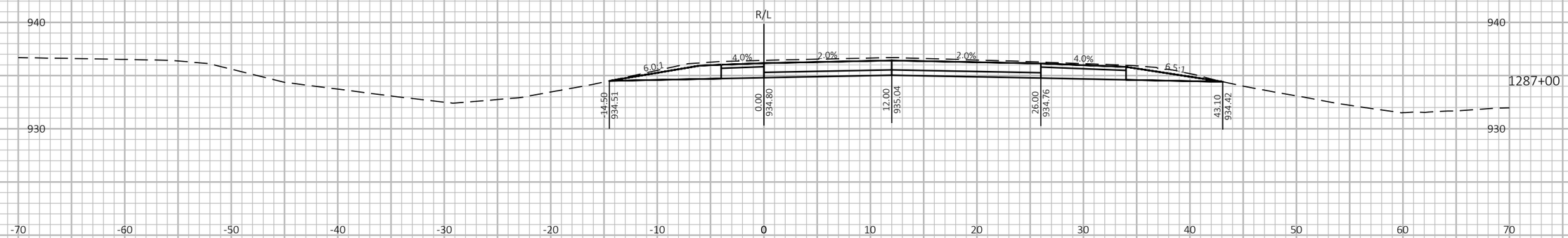
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 19

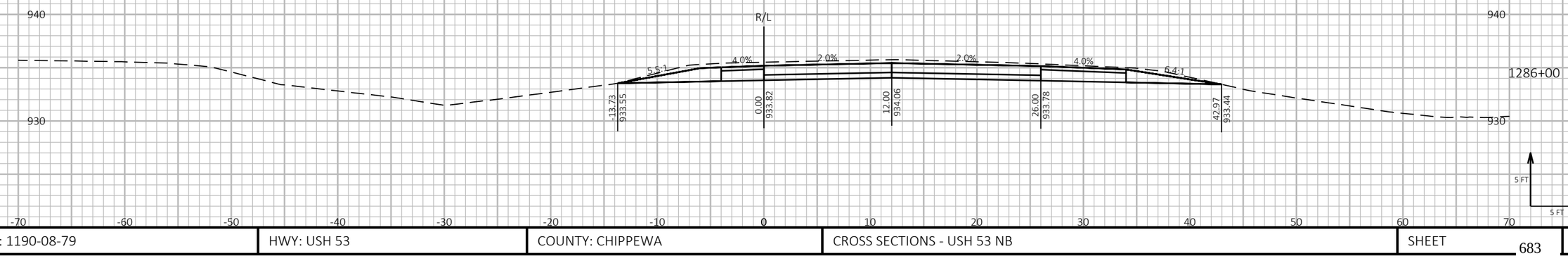
PLOT DATE : 7/26/2023 10:52 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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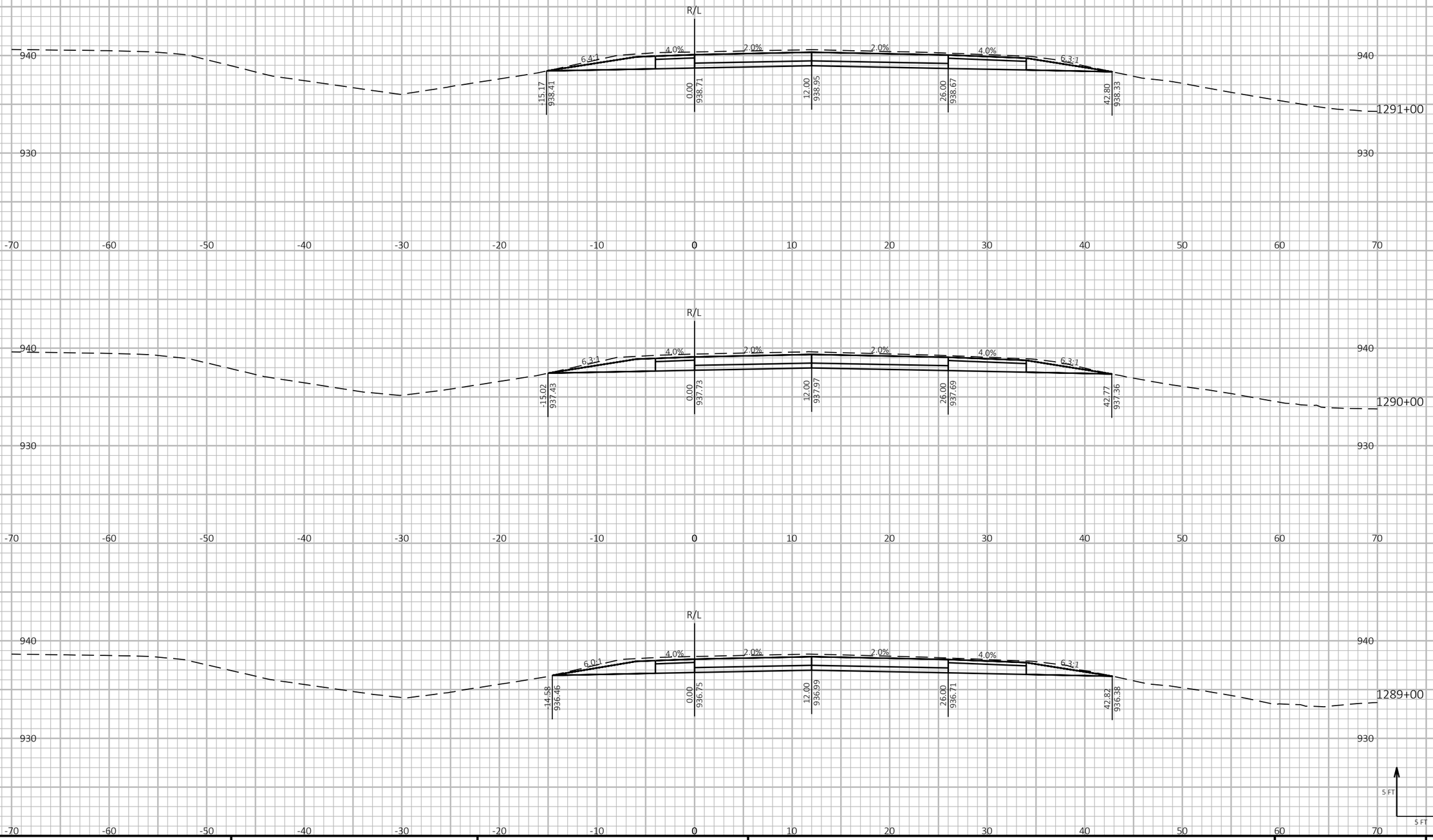
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 683	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 20

PLOT DATE : 7/26/2023 10:52 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 684	E

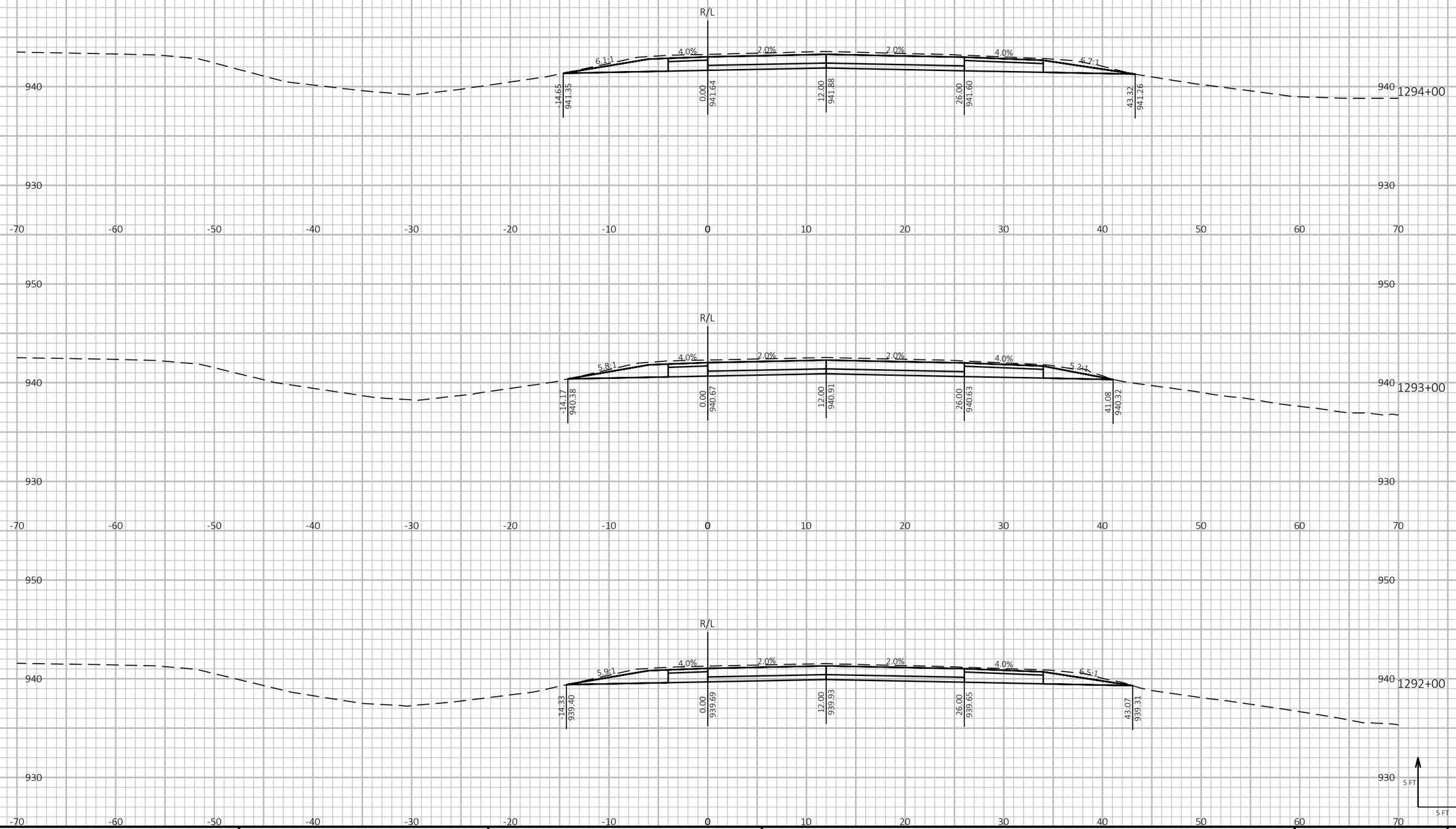
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 21

PLOT DATE : 7/26/2023 10:53 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 685	E

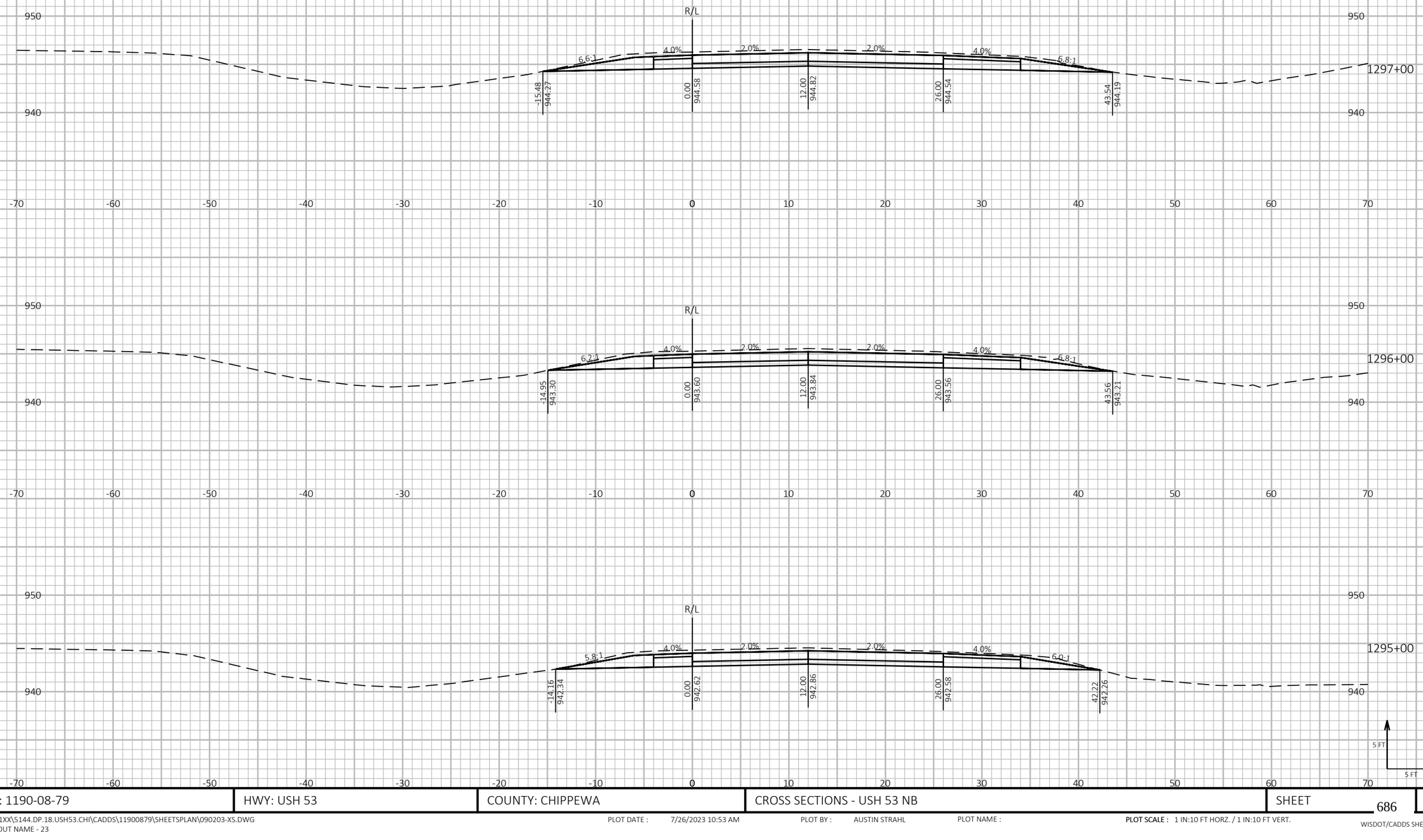
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 22

PLOT DATE : 7/26/2023 10:53 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 686	E

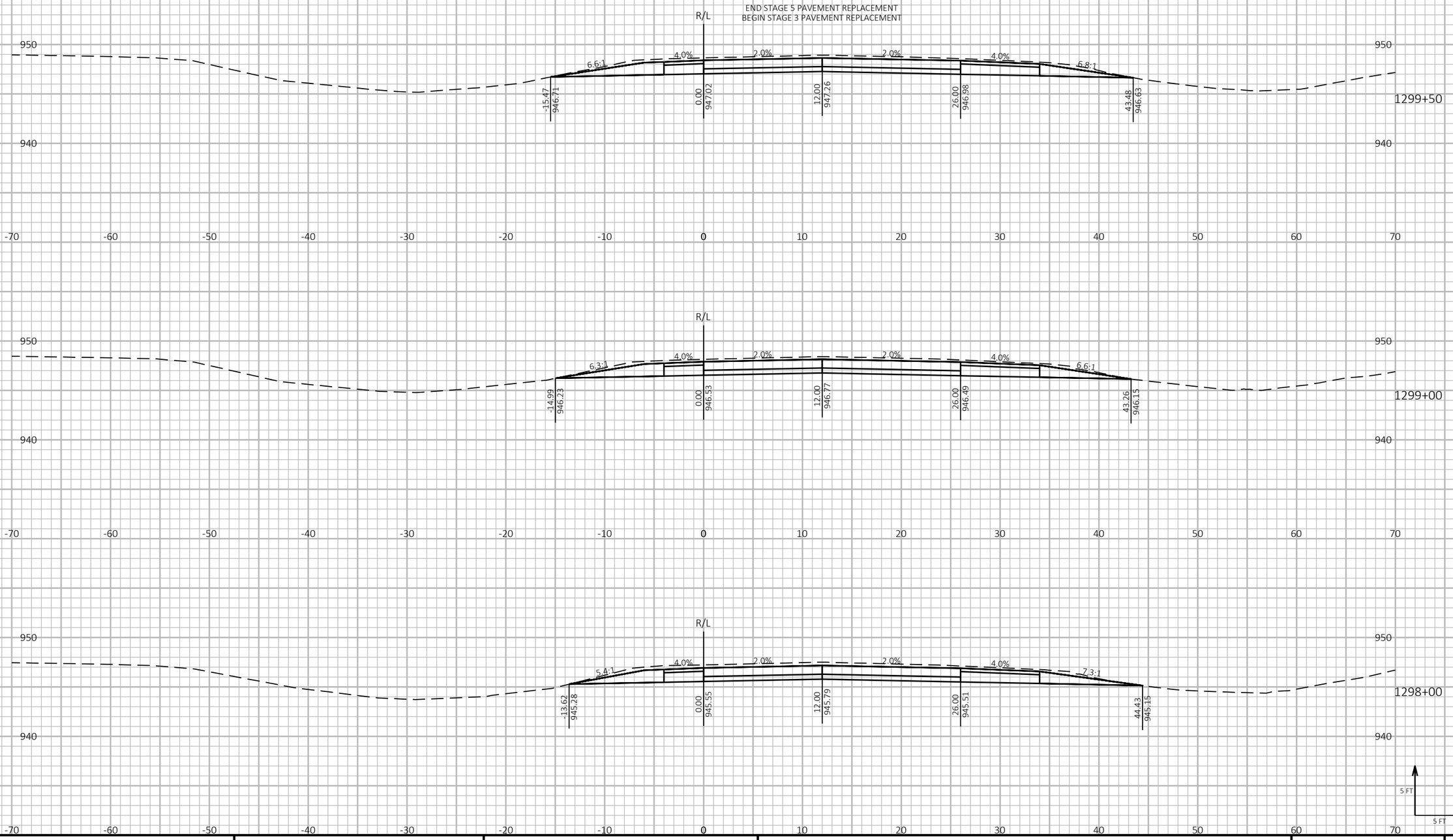
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 23

PLOT DATE : 7/26/2023 10:53 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 687	E

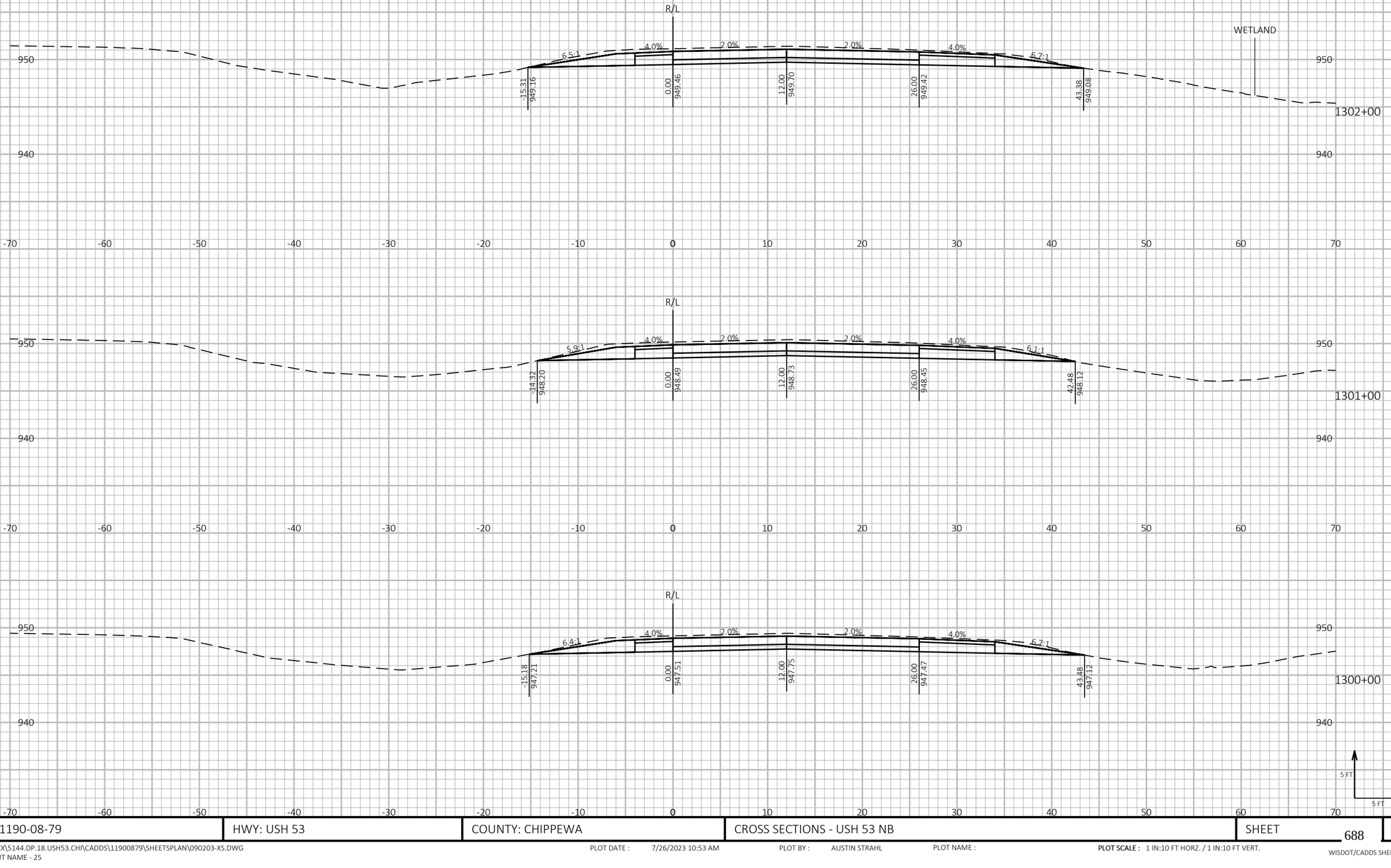
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 24

PLOT DATE : 7/26/2023 10:53 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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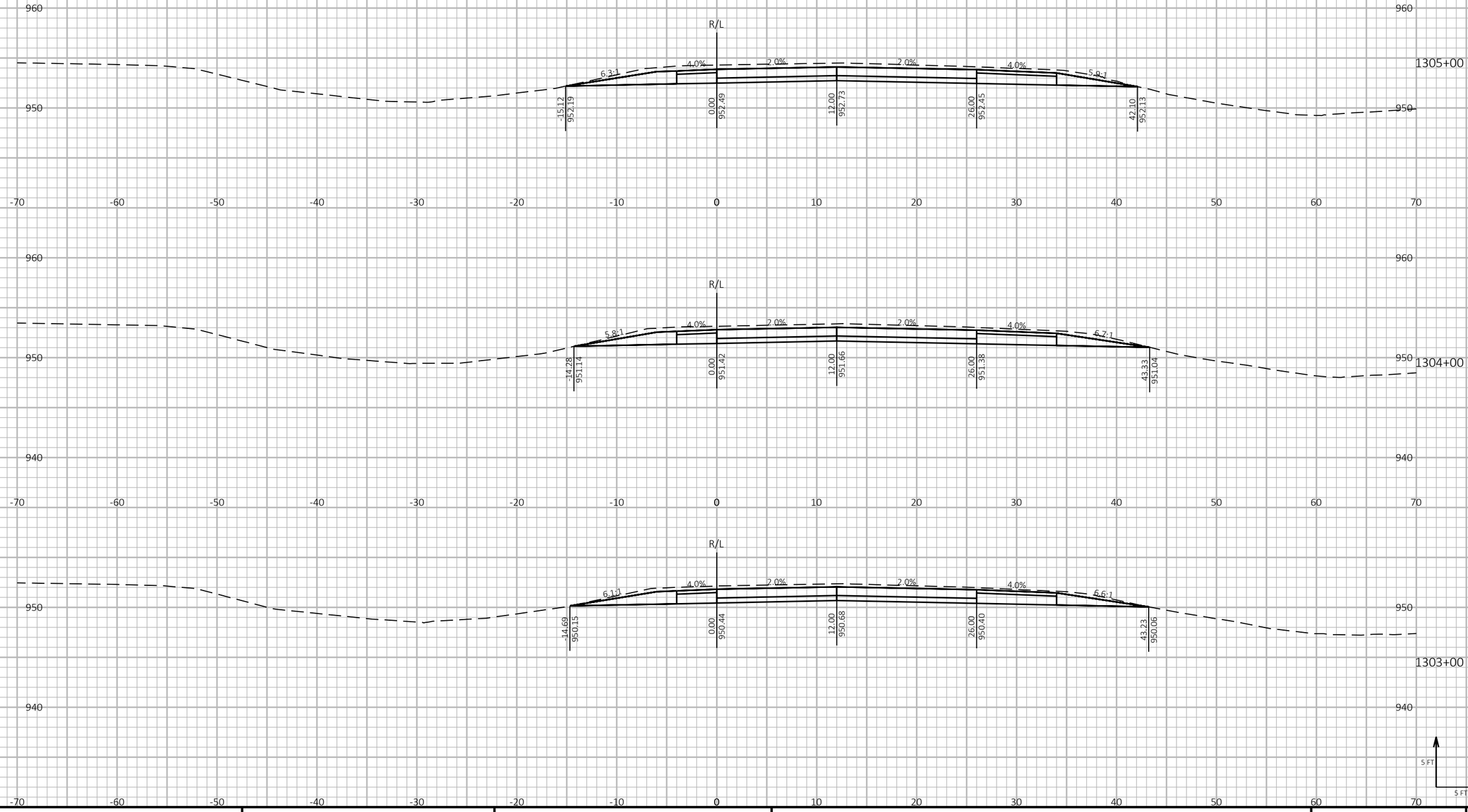
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 688	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 25

PLOT DATE : 7/26/2023 10:53 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 689	E

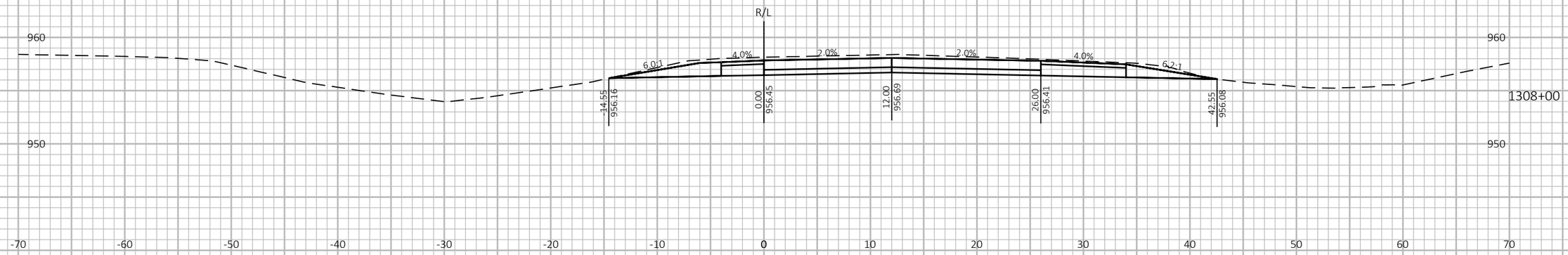
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 26

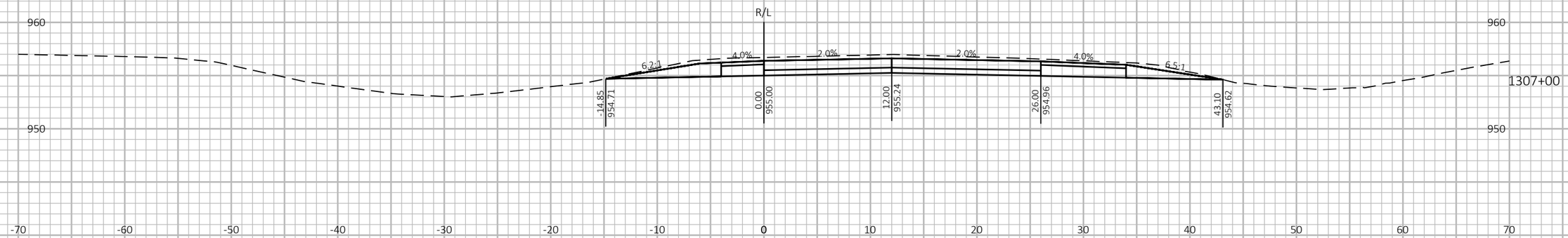
PLOT DATE : 7/26/2023 10:53 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

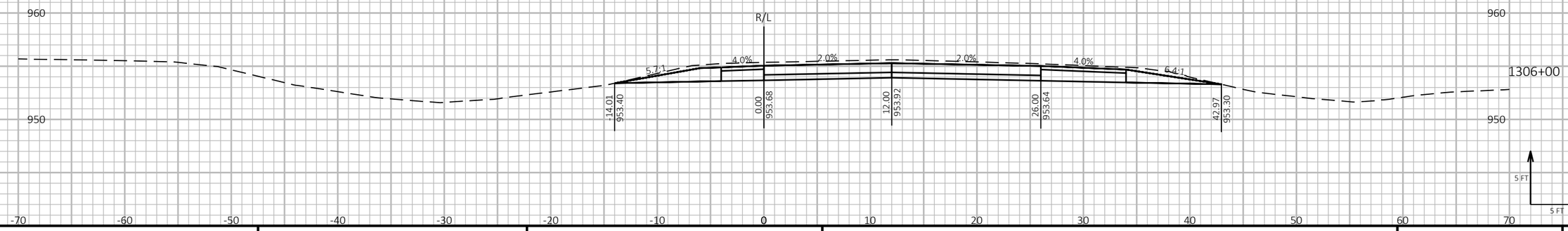
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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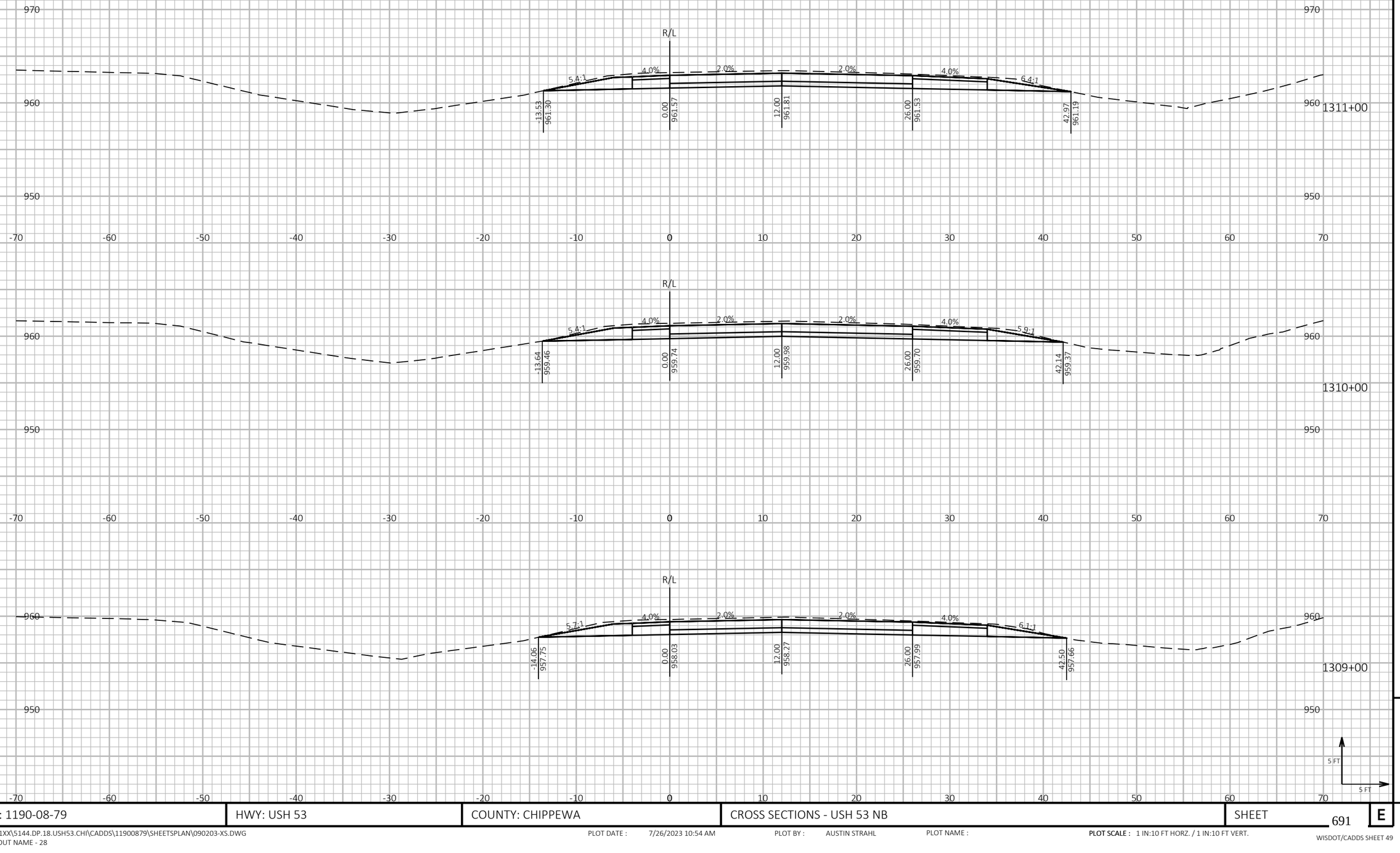
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 690	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 27

PLOT DATE : 7/26/2023 10:54 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



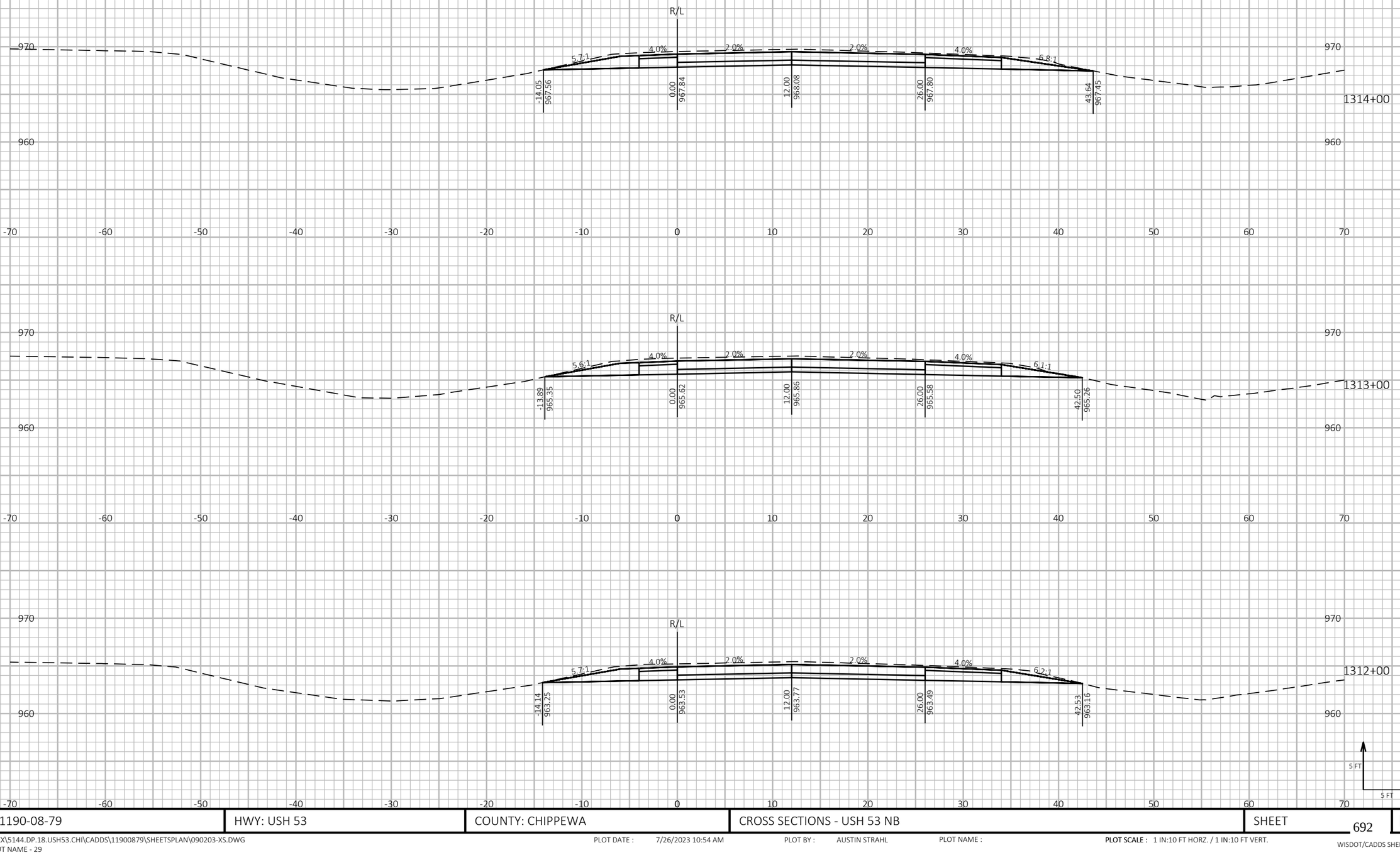
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 691	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 28

PLOT DATE : 7/26/2023 10:54 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



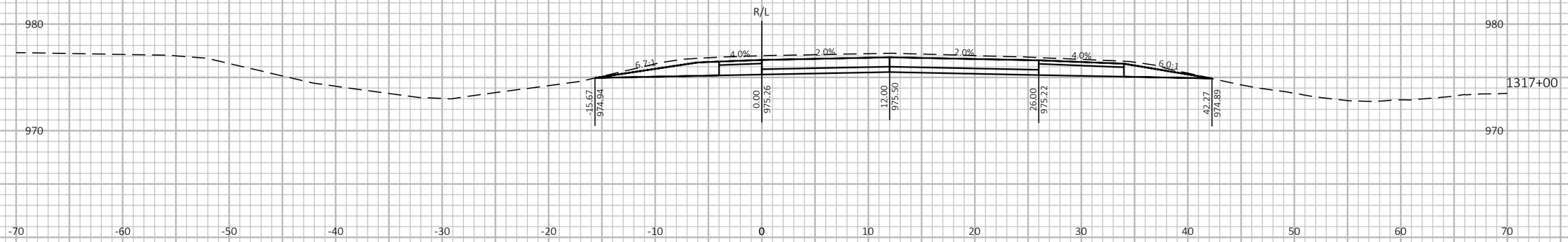
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 692	E

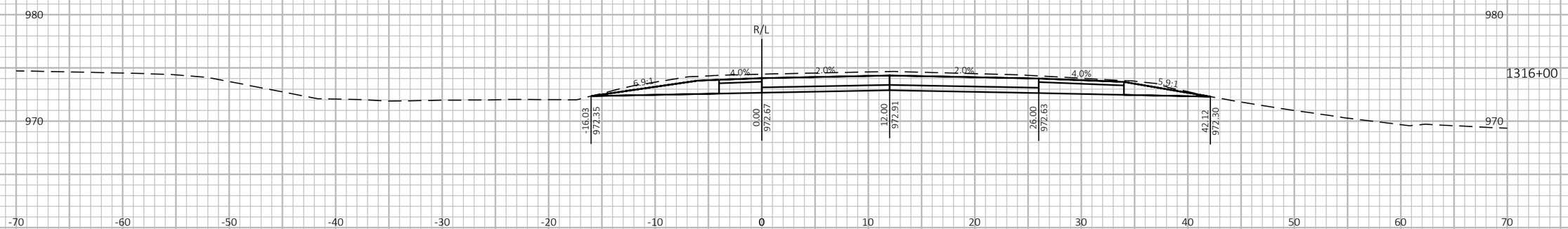
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 29

PLOT DATE : 7/26/2023 10:54 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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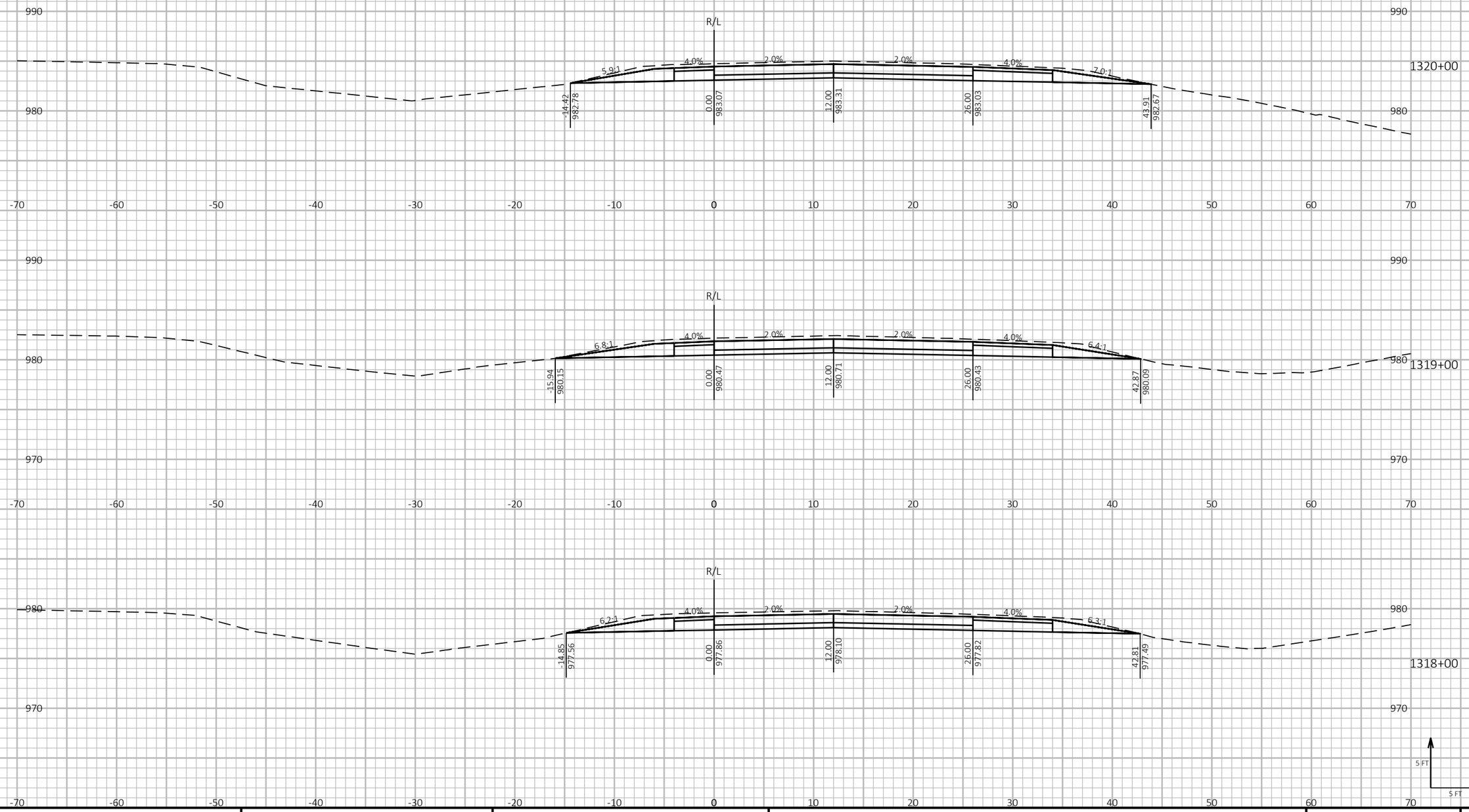
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 693	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 30

PLOT DATE : 7/26/2023 10:54 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 694	E

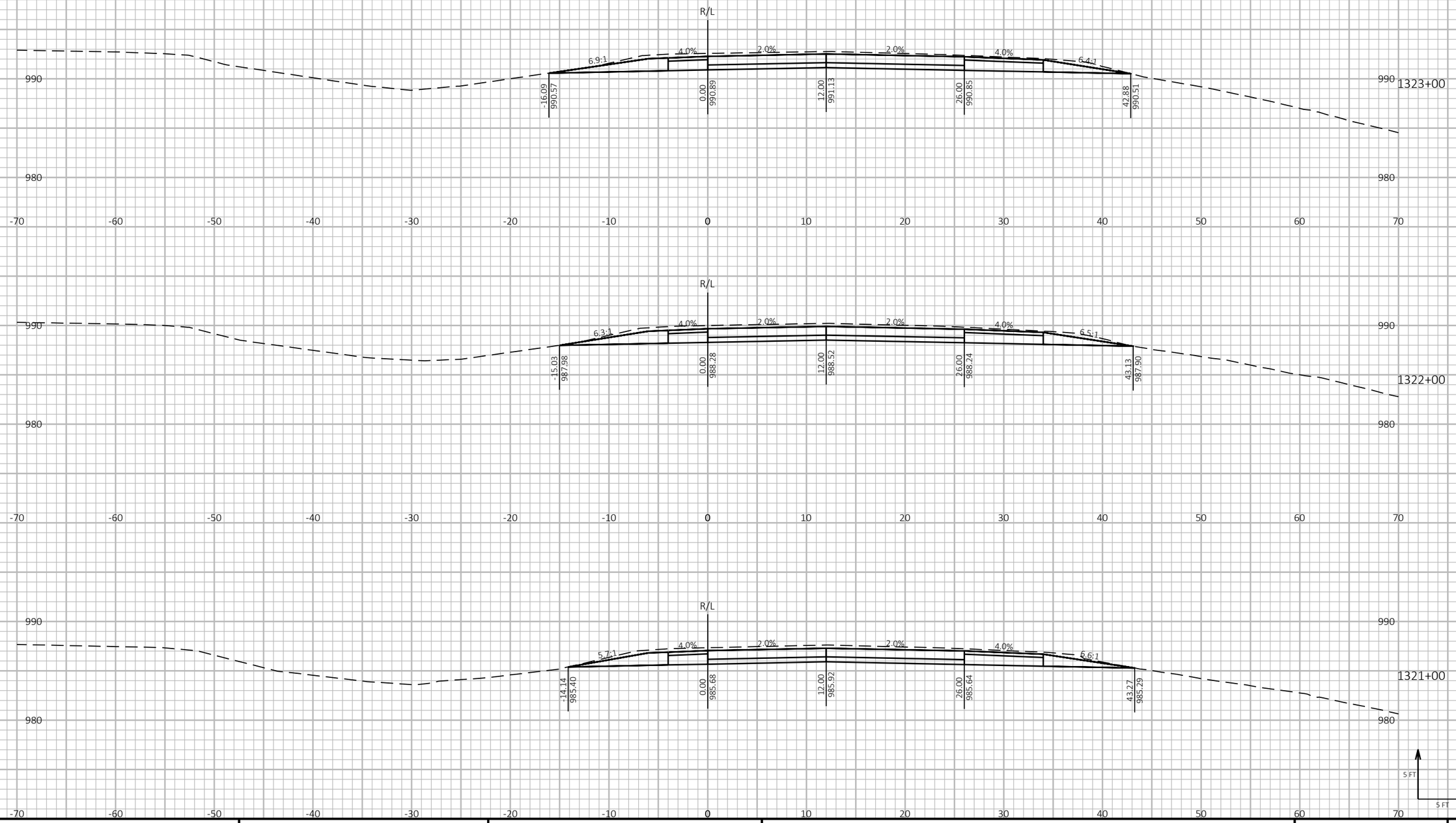
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 31

PLOT DATE : 7/26/2023 10:54 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 695	E

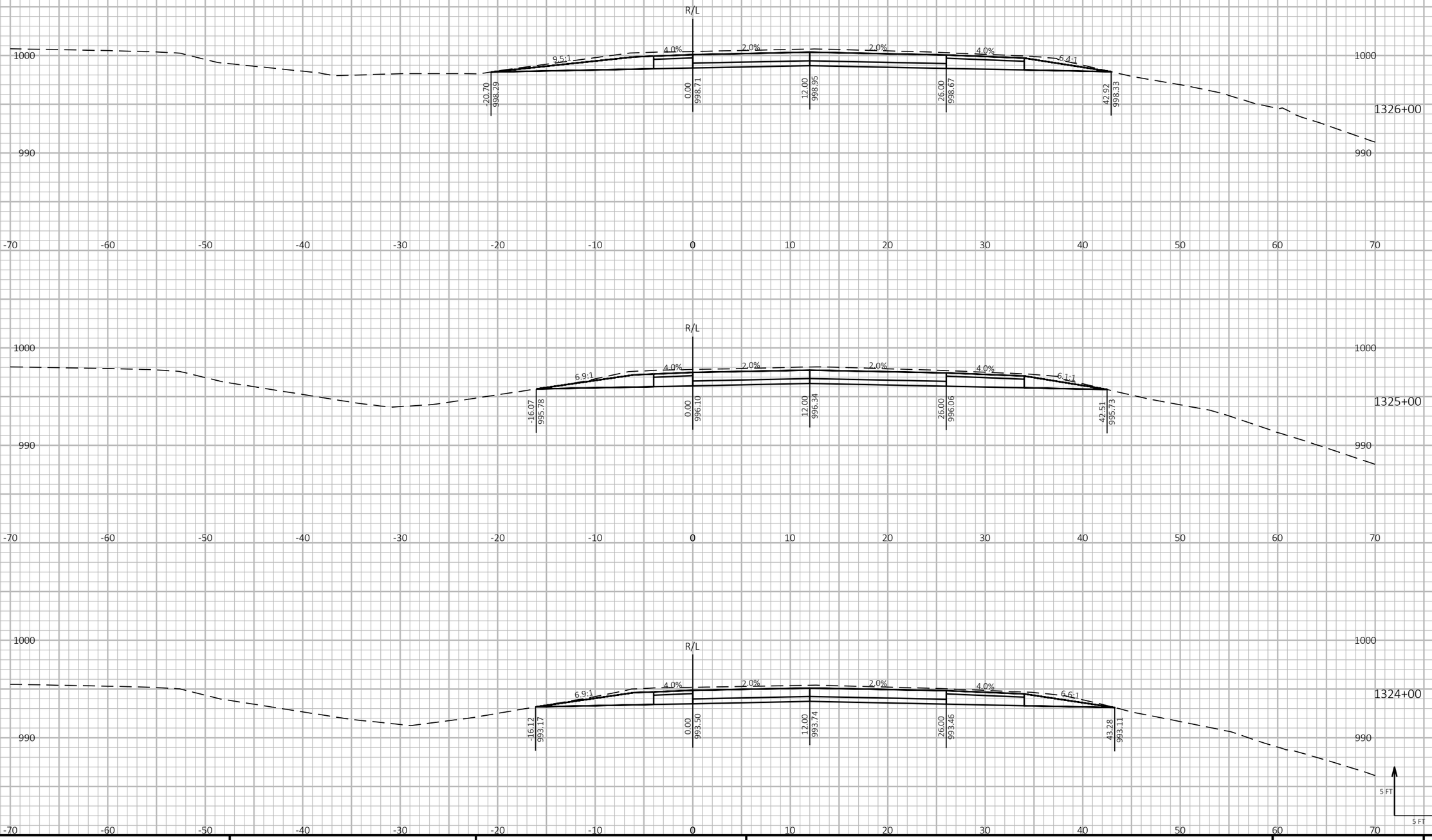
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 32

PLOT DATE : 7/26/2023 10:54 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 696	E

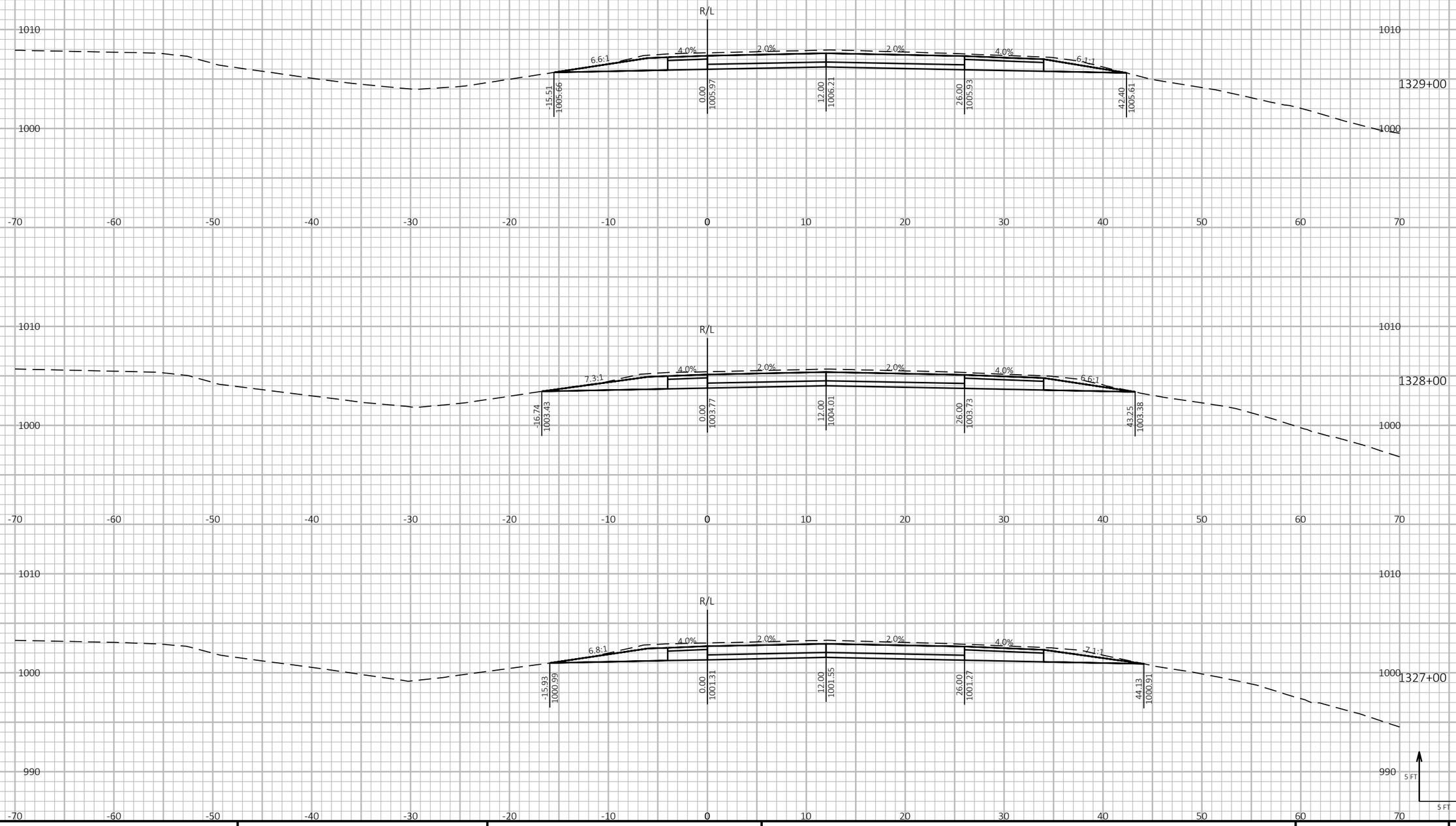
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 33

PLOT DATE : 7/26/2023 10:55 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 697	E

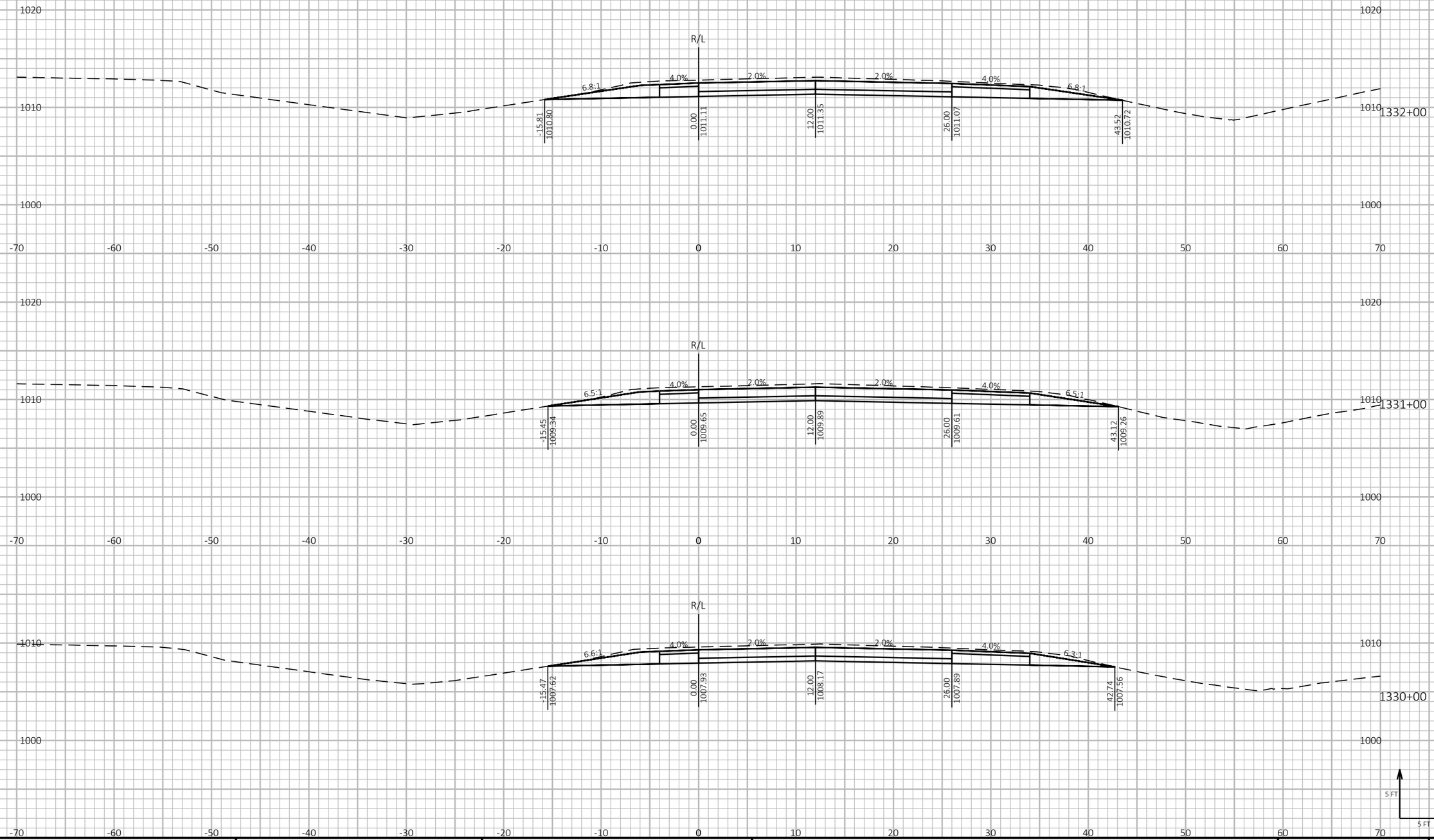
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 34

PLOT DATE : 7/26/2023 10:55 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 698	E

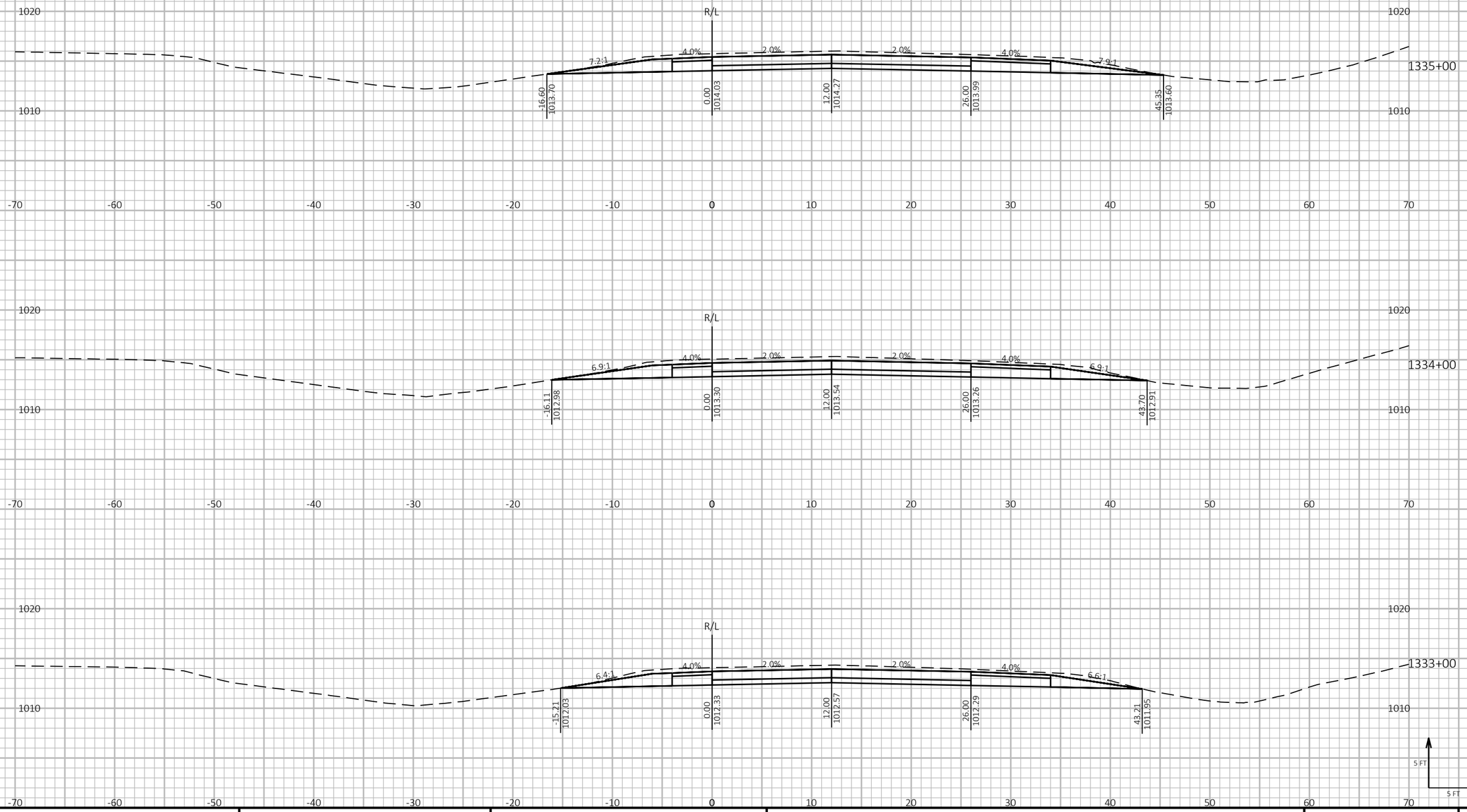
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 35

PLOT DATE : 7/26/2023 10:55 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 699	E

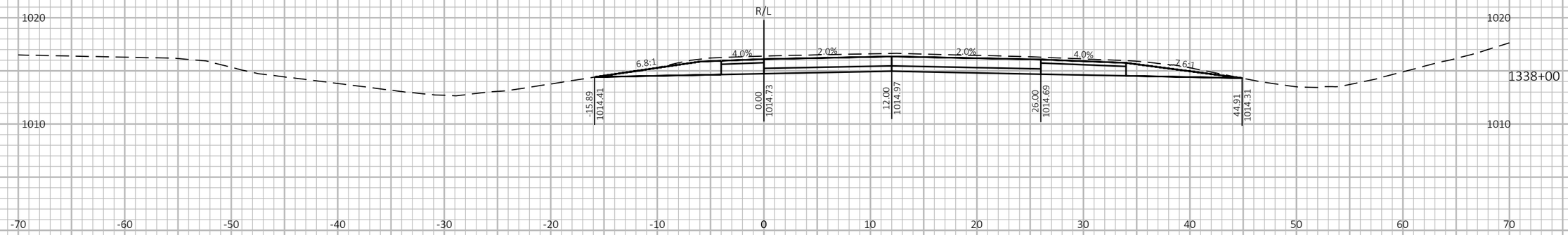
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 36

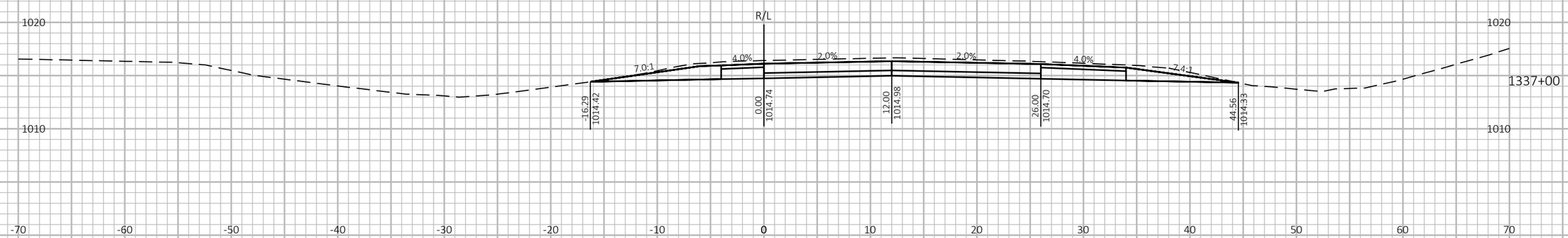
PLOT DATE : 7/26/2023 10:55 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

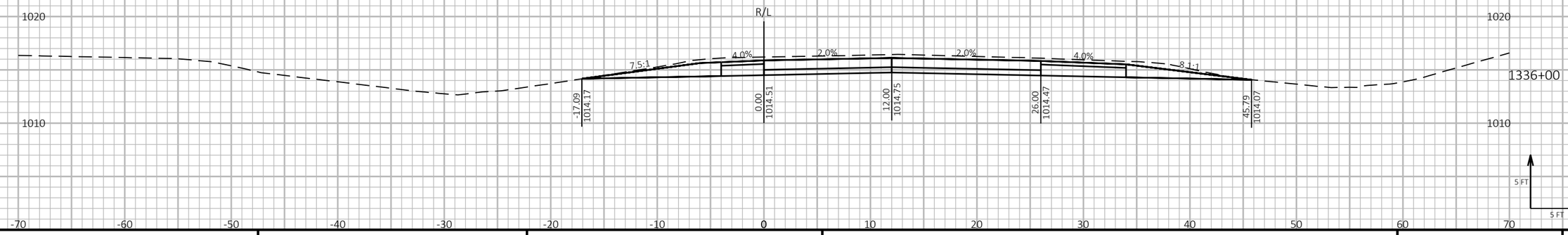
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 700	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 37

PLOT DATE : 7/26/2023 10:55 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT

9

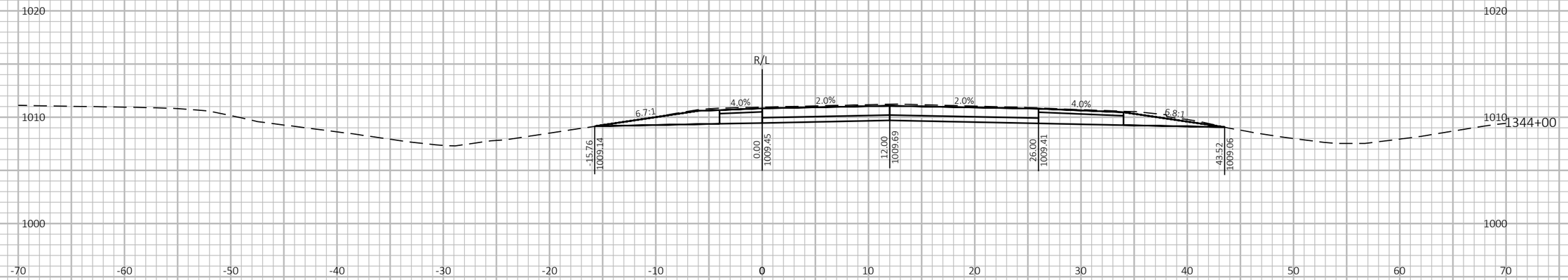
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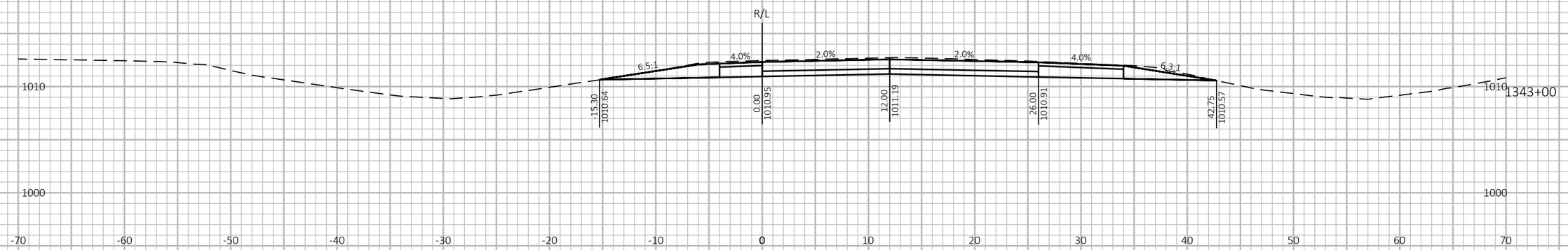
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 701	E

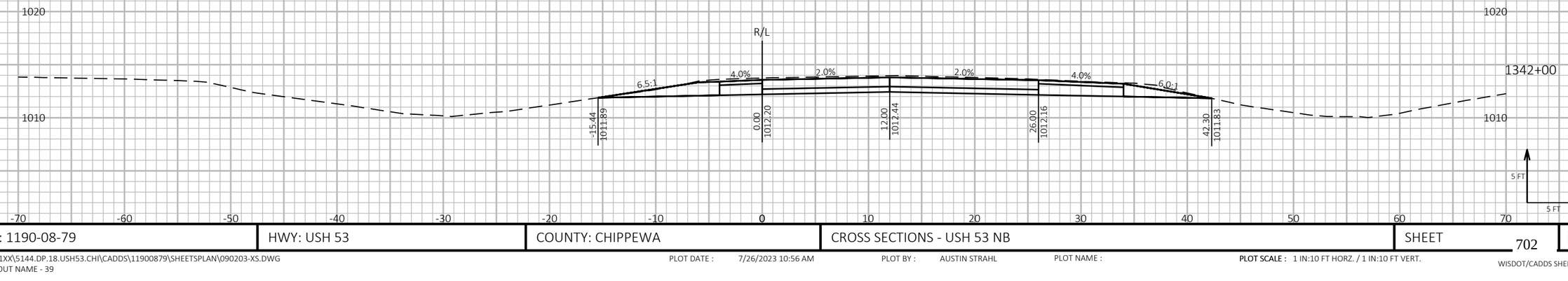
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 38

PLOT DATE : 7/26/2023 10:55 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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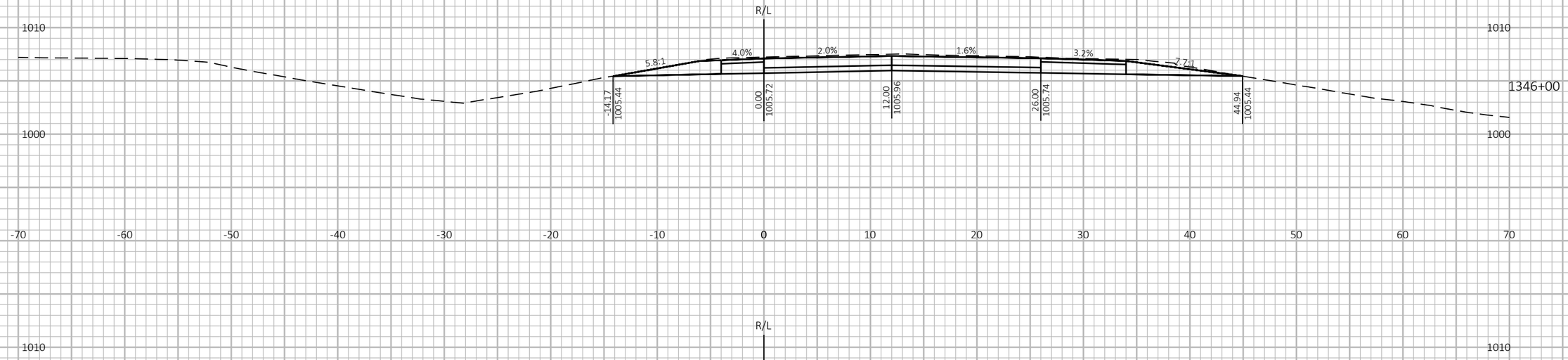
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 702	E

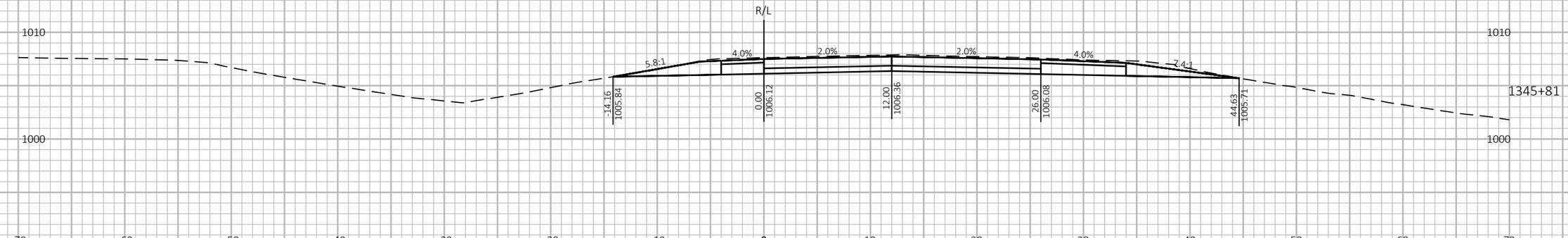
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 39

PLOT DATE : 7/26/2023 10:56 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 703	E

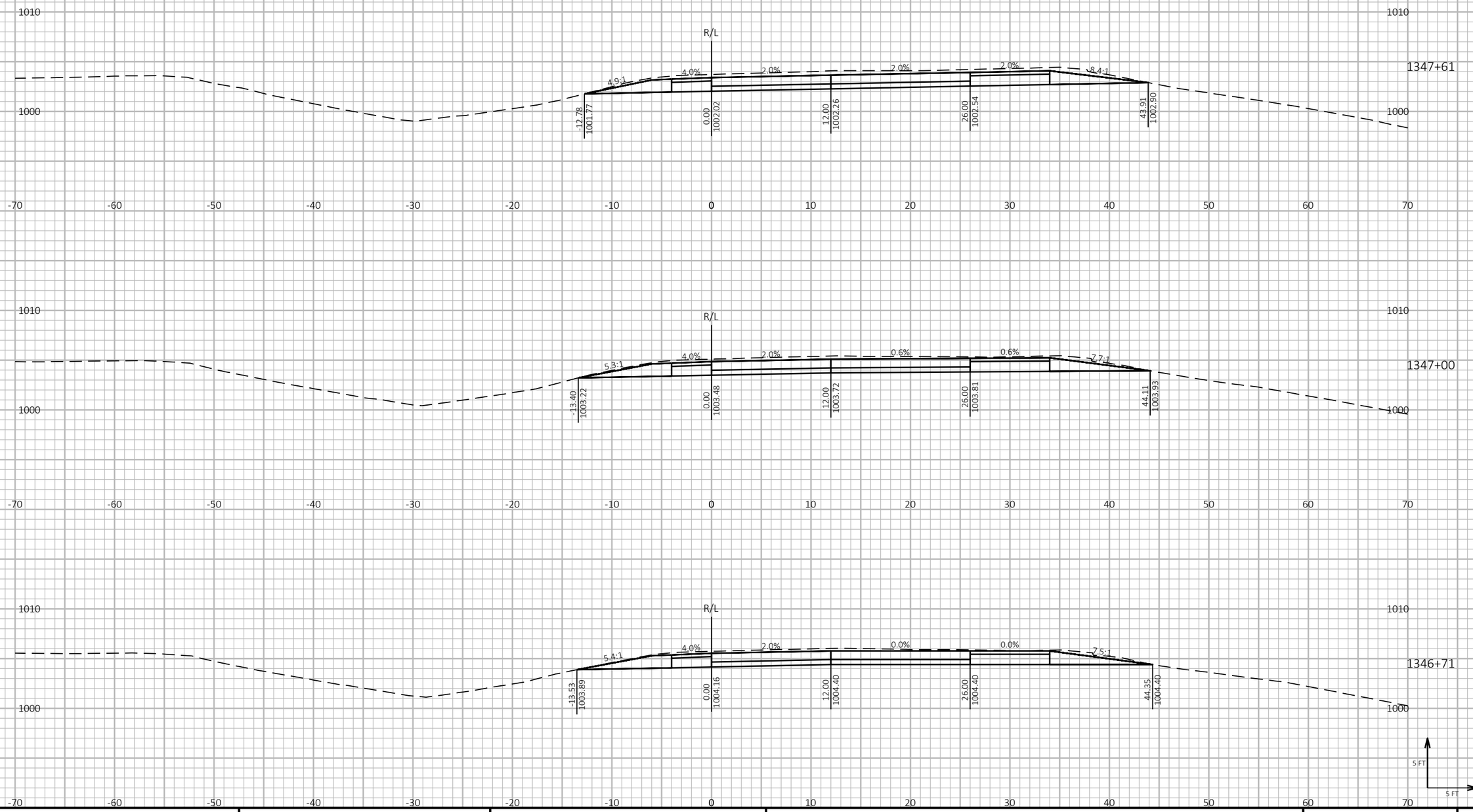
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 40

PLOT DATE : 7/26/2023 10:56 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 704	E

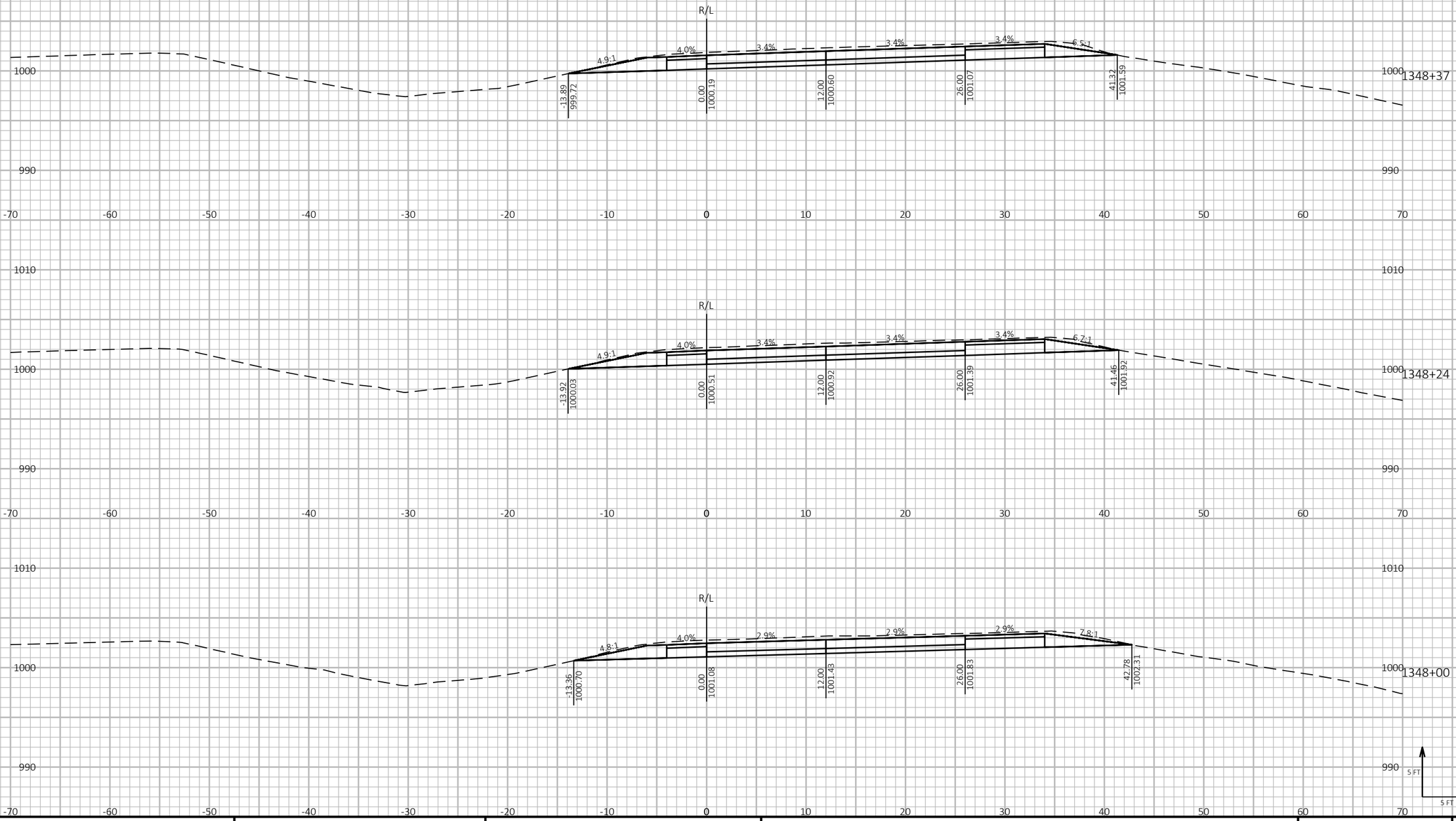
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 41

PLOT DATE : 7/26/2023 10:56 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 705	E

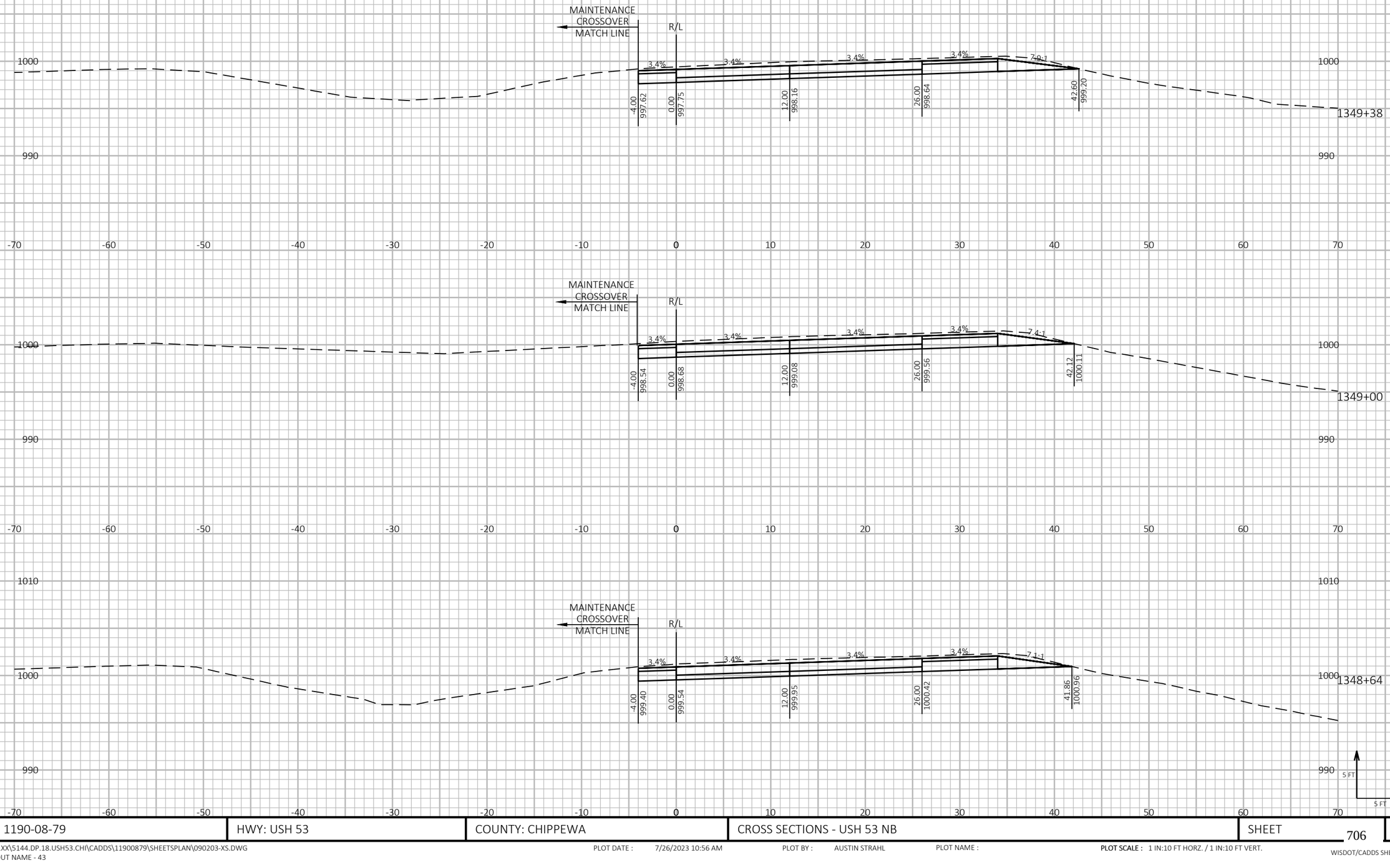
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 42

PLOT DATE : 7/26/2023 10:56 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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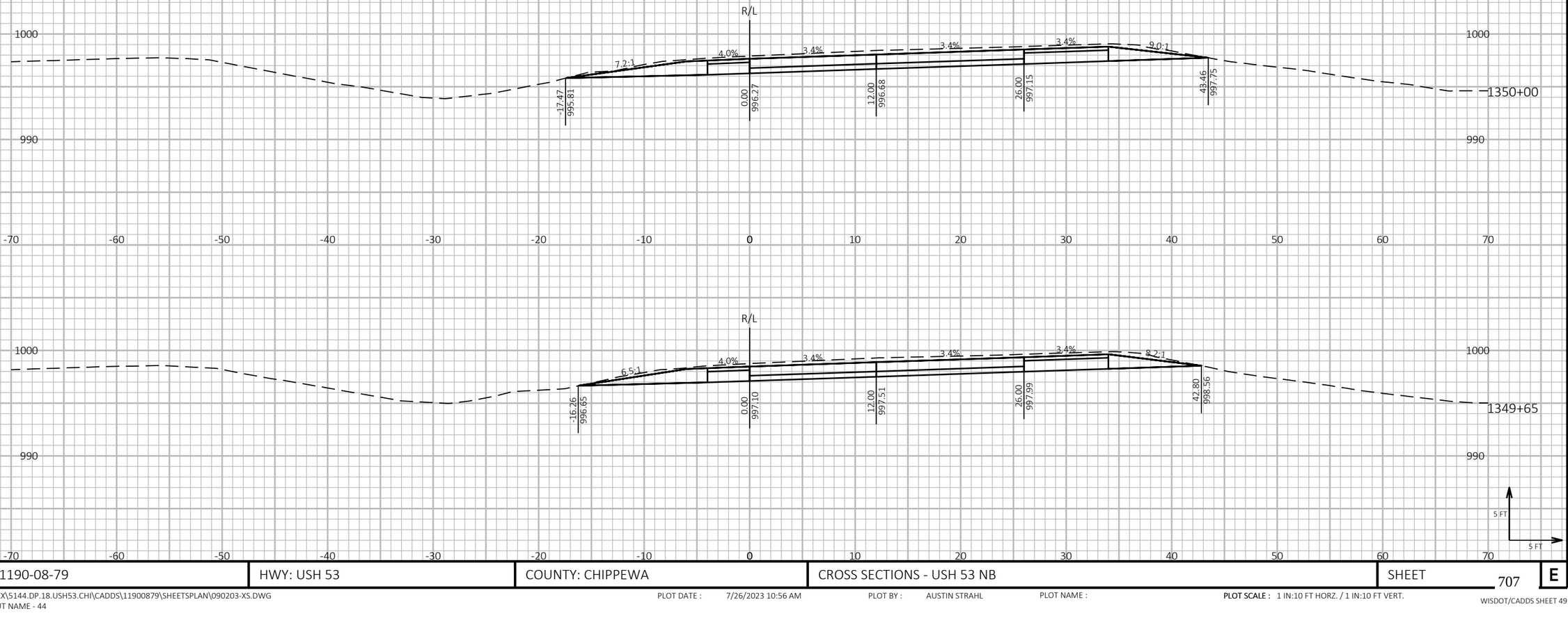
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 706	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 43

PLOT DATE : 7/26/2023 10:56 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 707	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 44

PLOT DATE : 7/26/2023 10:56 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

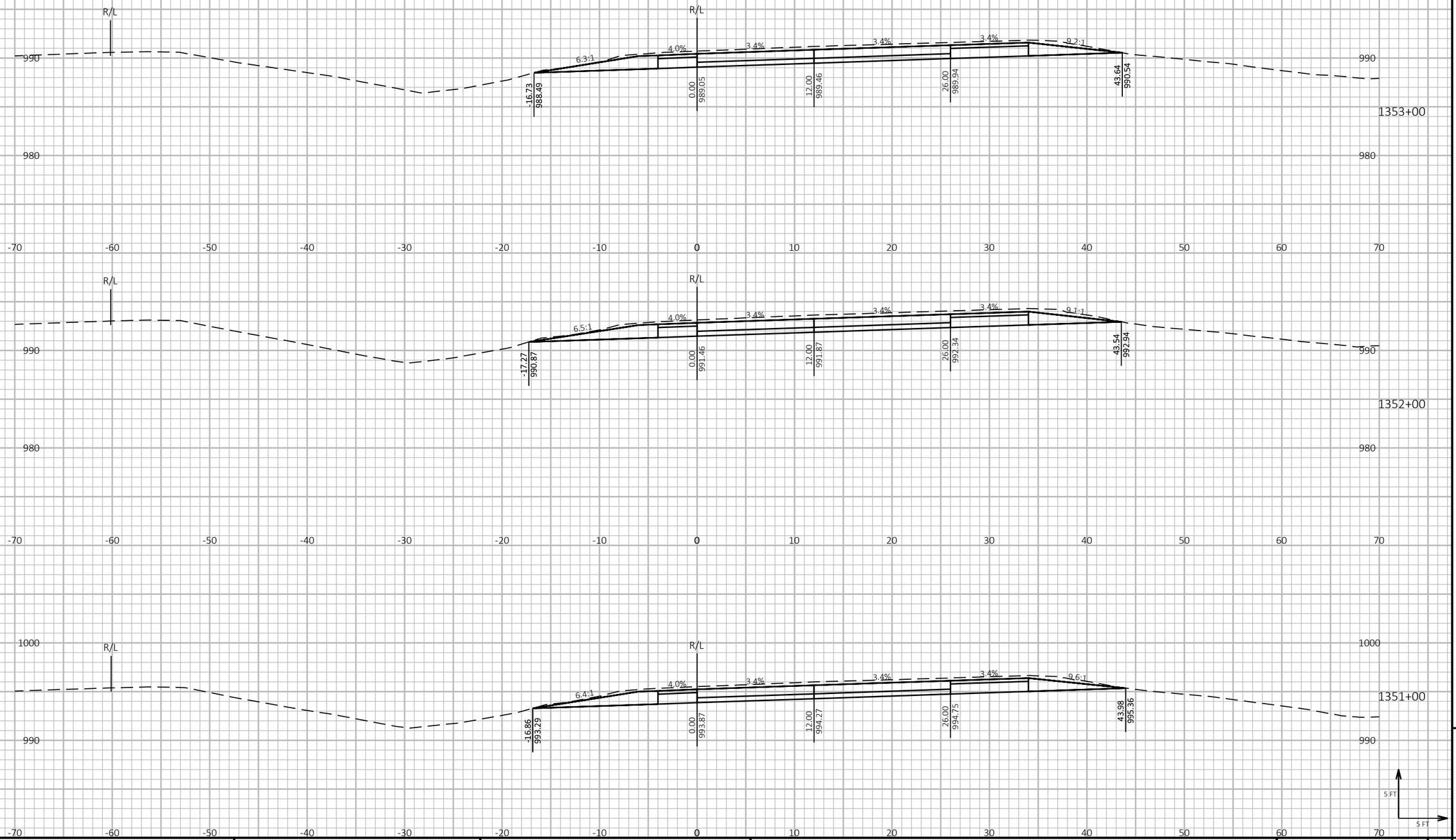
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 708	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 11:14 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

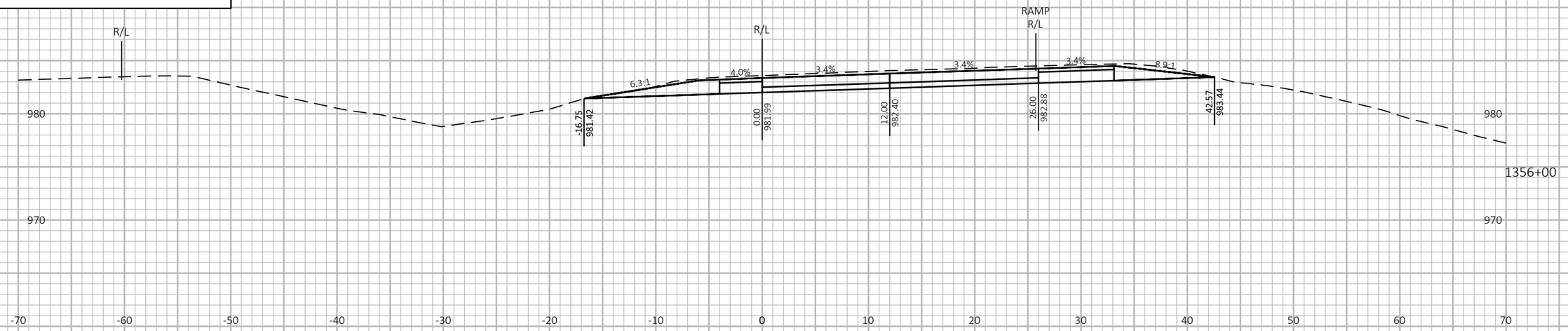
WISDOT/CADDS SHEET 49

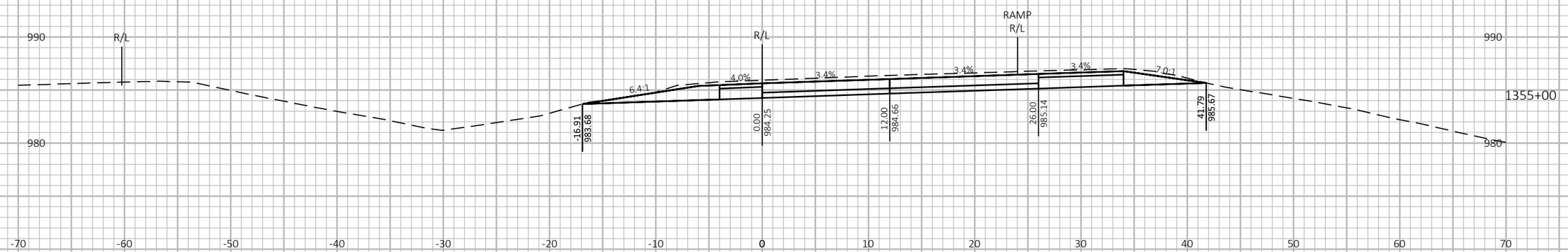
LEGEND

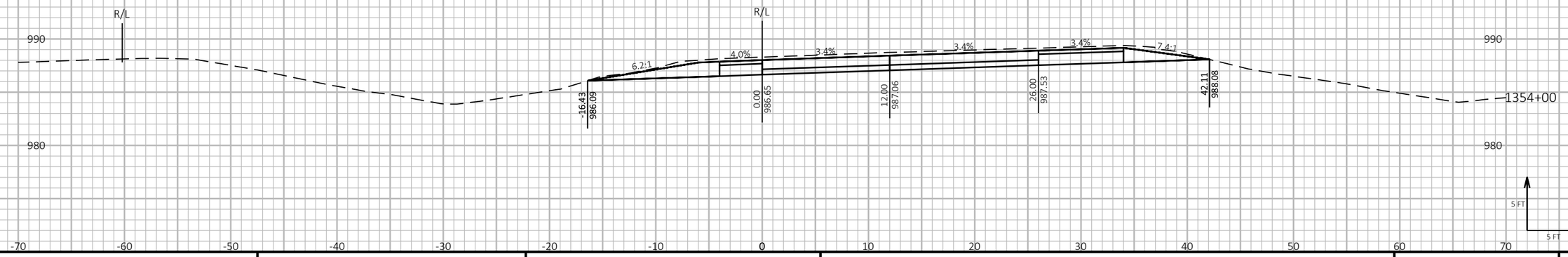
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 709	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/26/2023 11:14 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

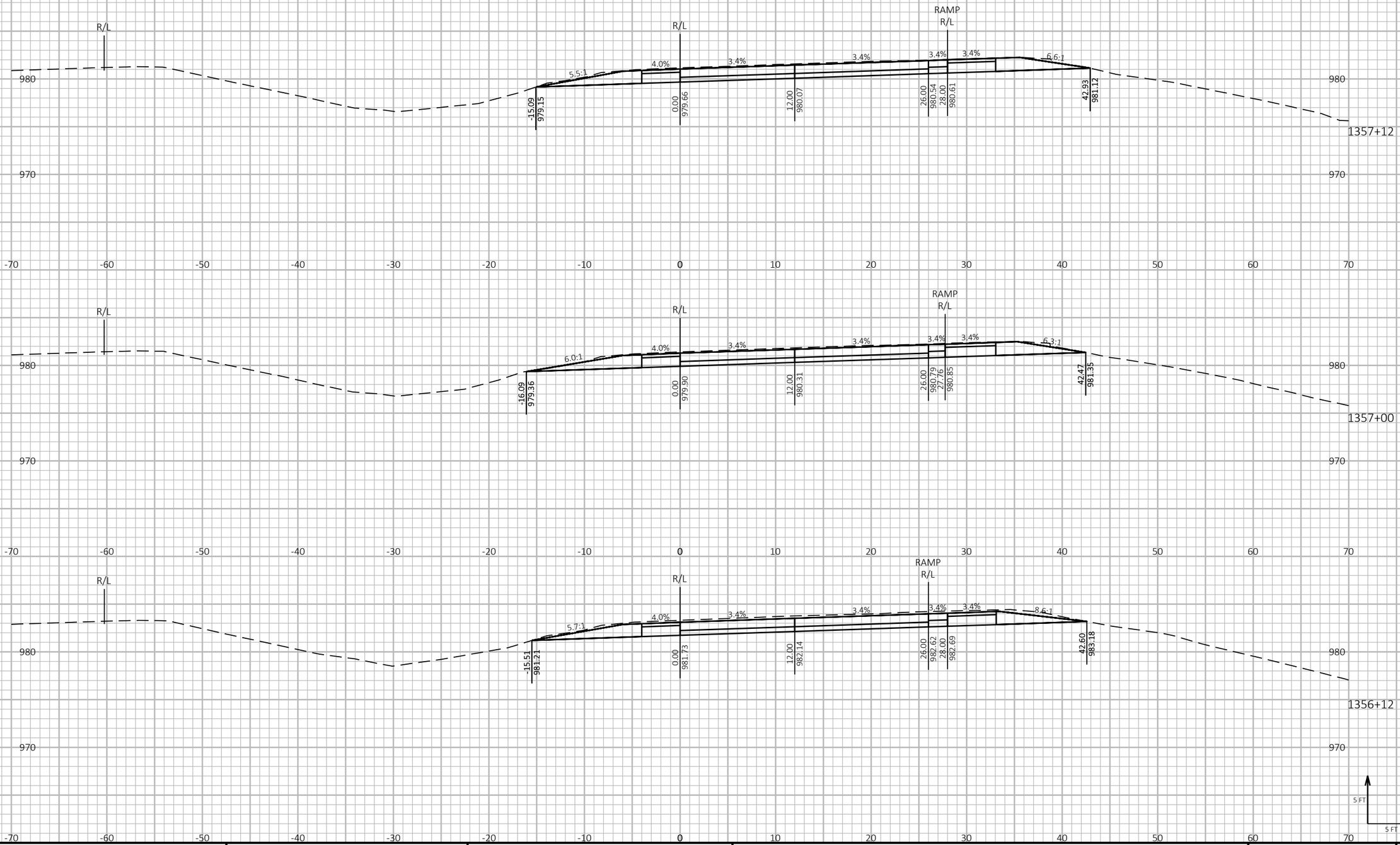
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 710	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/26/2023 11:14 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

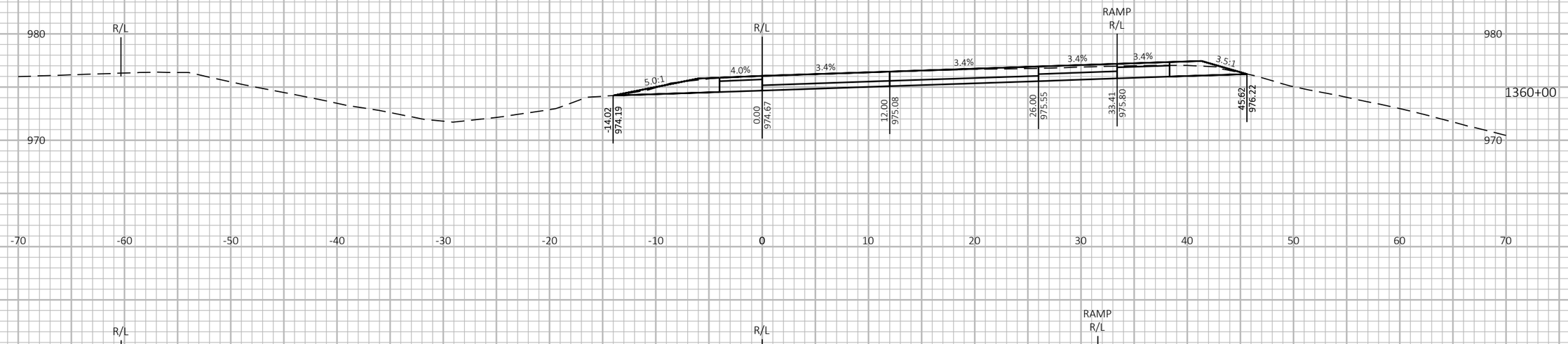
WISDOT/CADDS SHEET 49

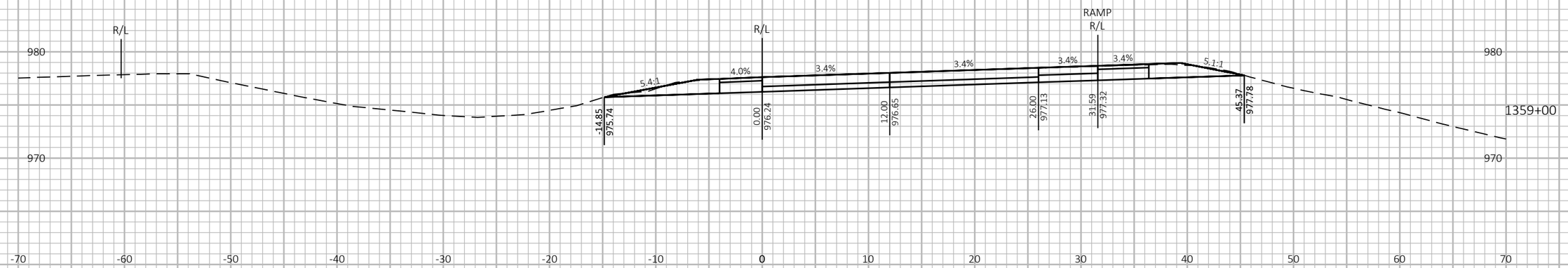
LEGEND

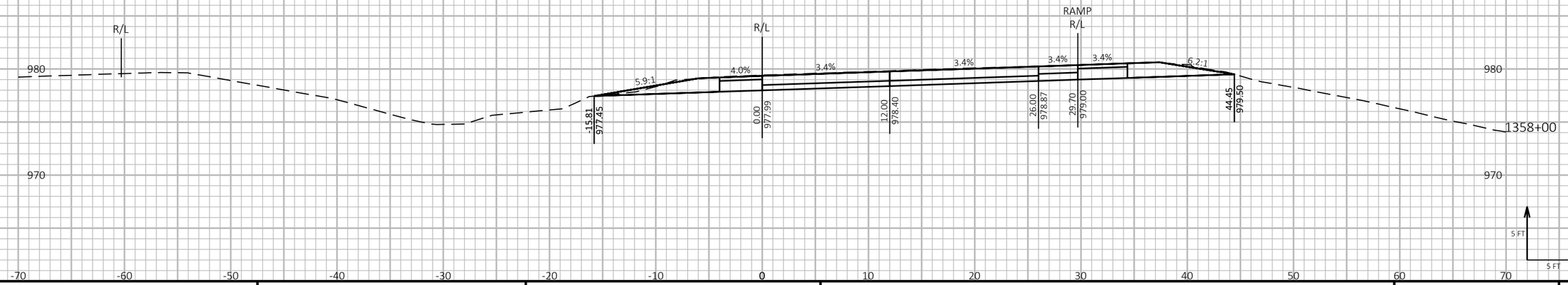
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 711	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 7/26/2023 11:14 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

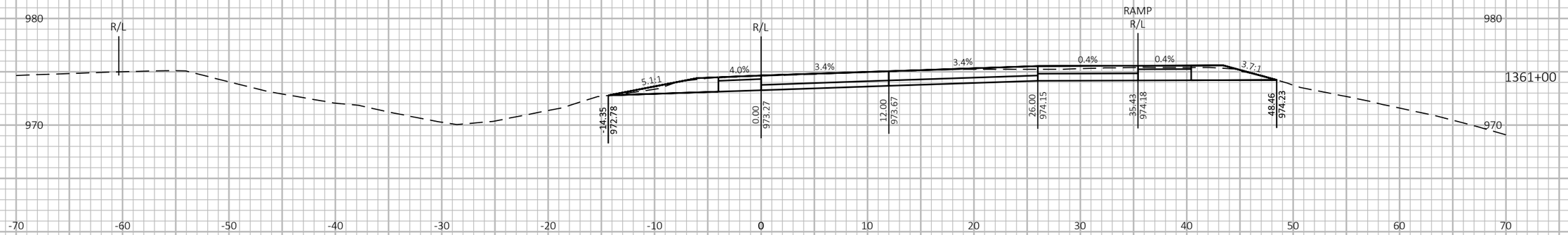
WISDOT/CADDS SHEET 49

LEGEND

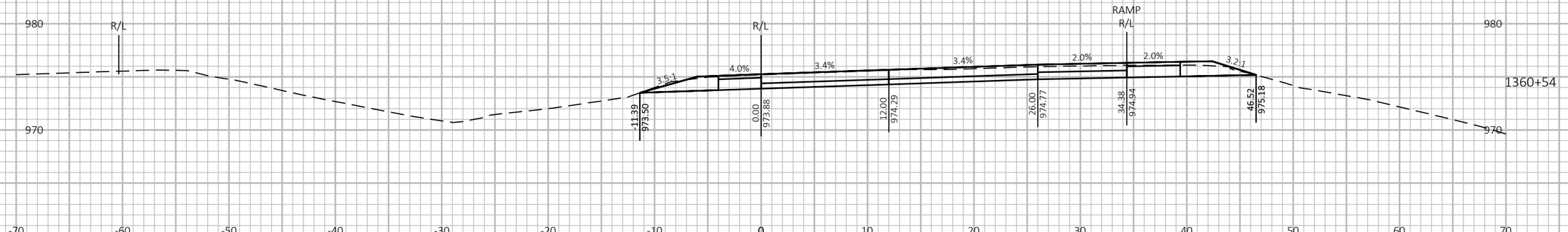
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

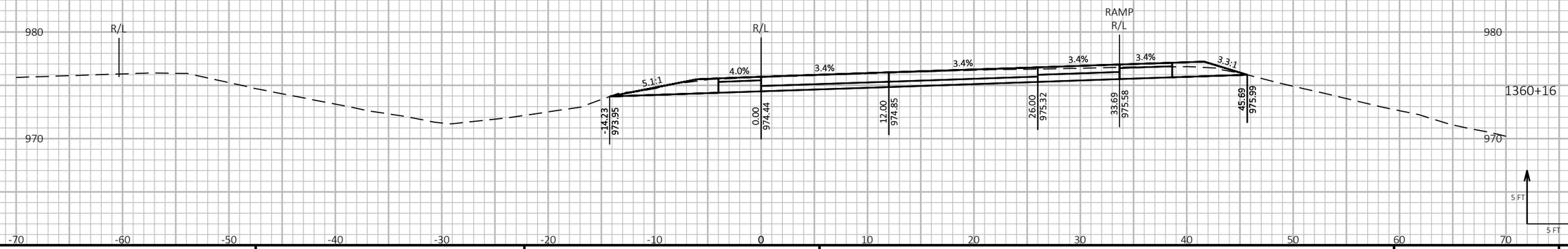
CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



1361+00



1360+54



1360+16

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 712	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 05

PLOT DATE : 7/26/2023 11:15 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

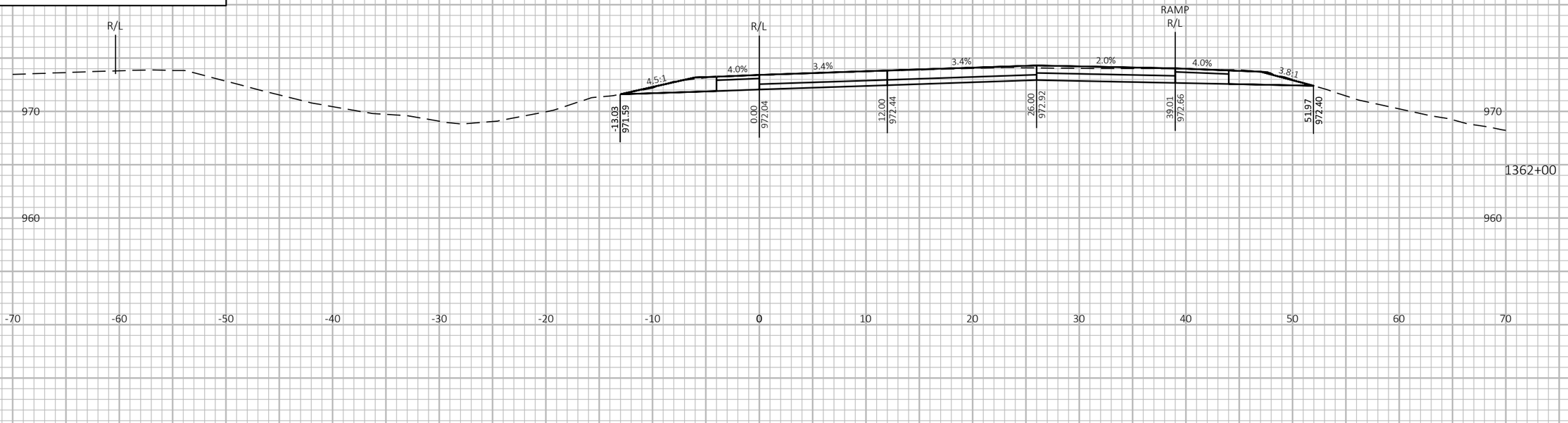
WISDOT/CADDS SHEET 49

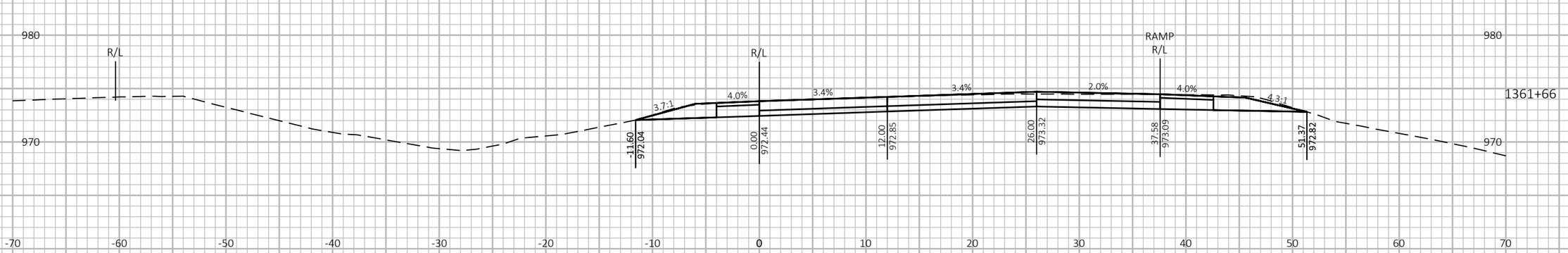
LEGEND

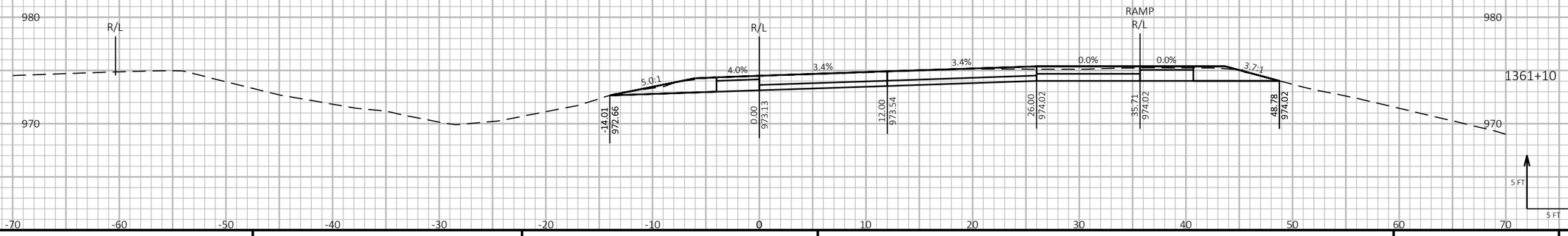
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 713	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/26/2023 11:15 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

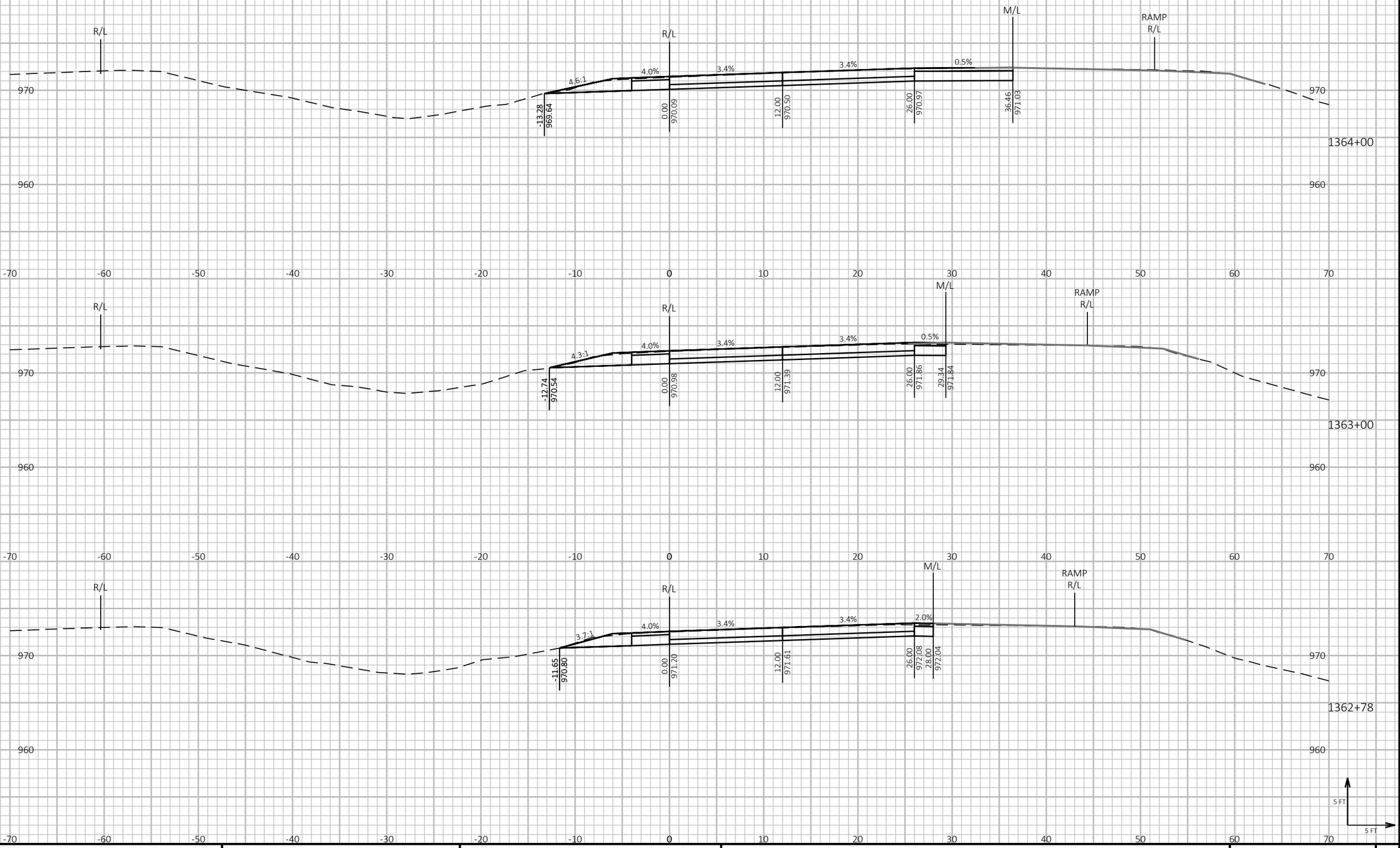
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 714	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 07

PLOT DATE : 7/26/2023 11:15 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

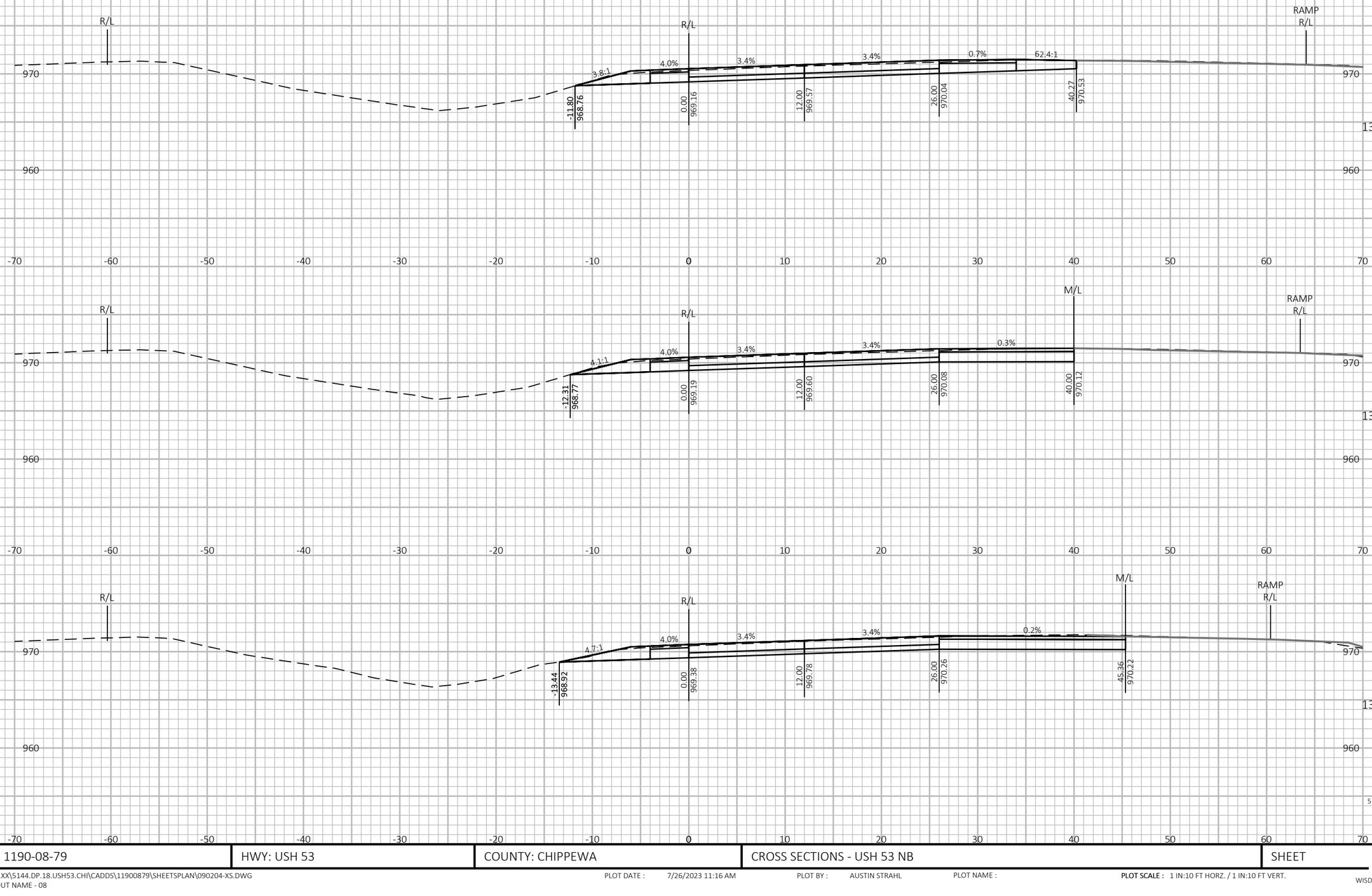
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 715	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 08

PLOT DATE : 7/26/2023 11:16 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

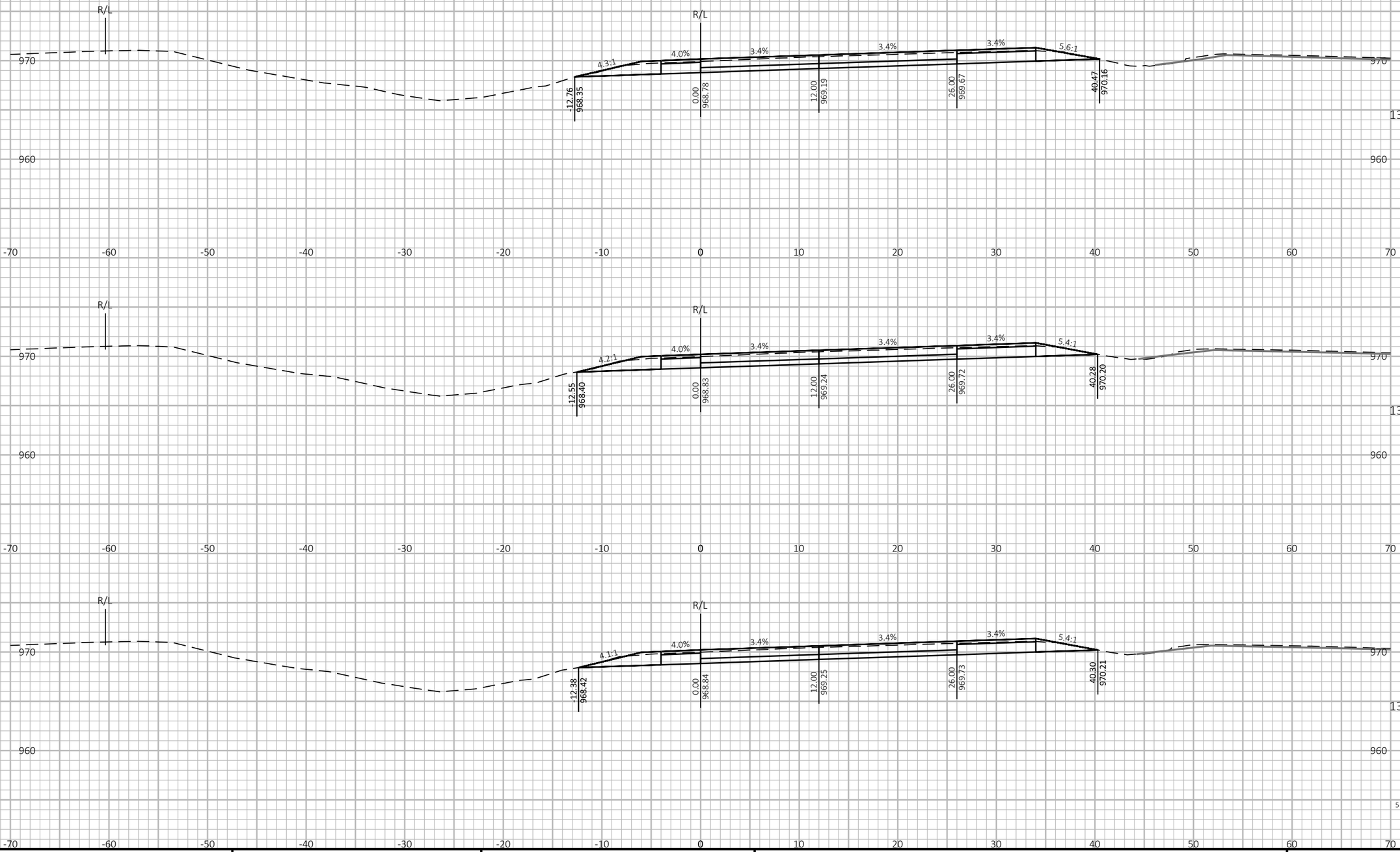
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 716	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 09

PLOT DATE : 7/26/2023 11:16 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

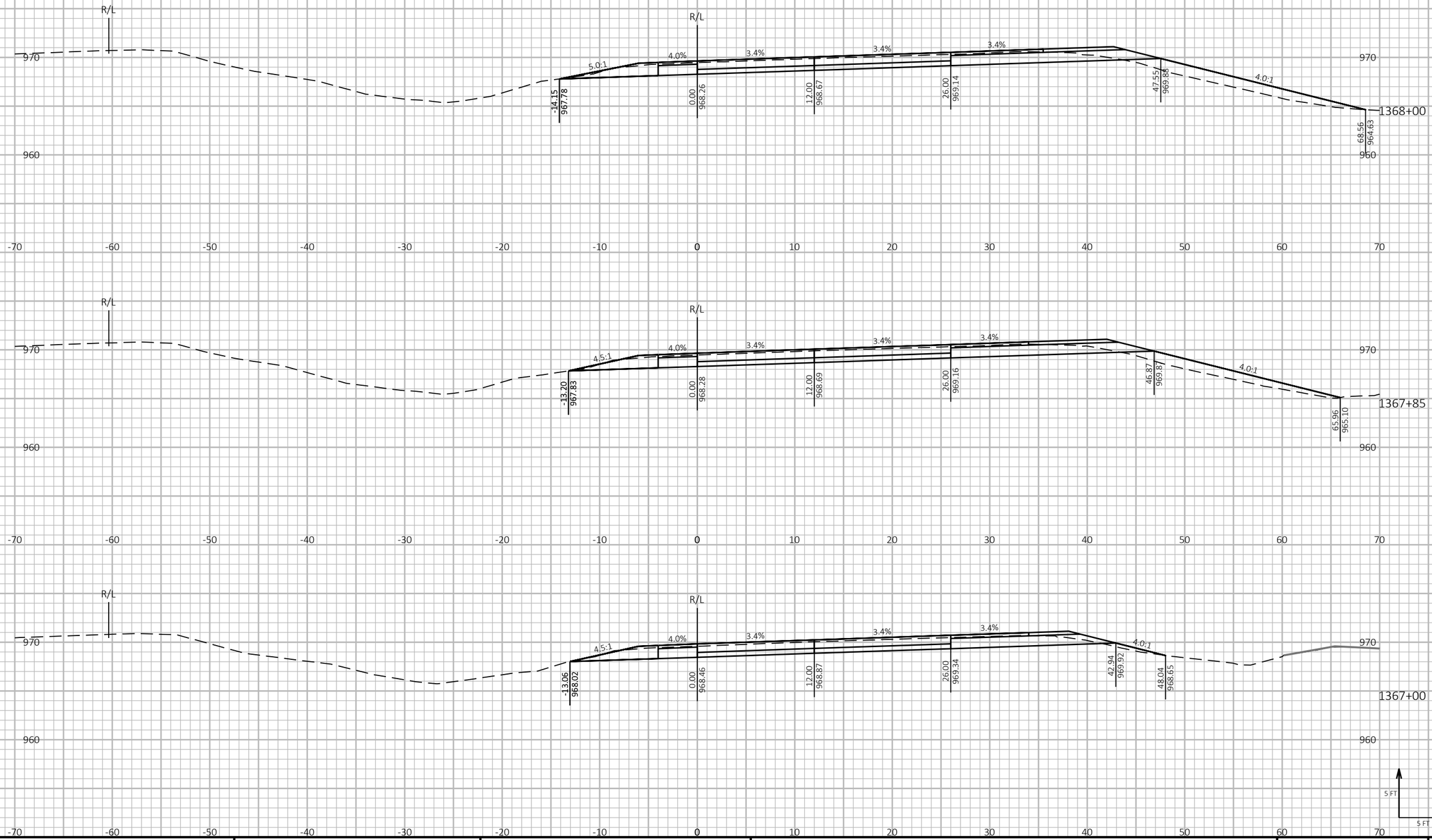
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 717	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 10

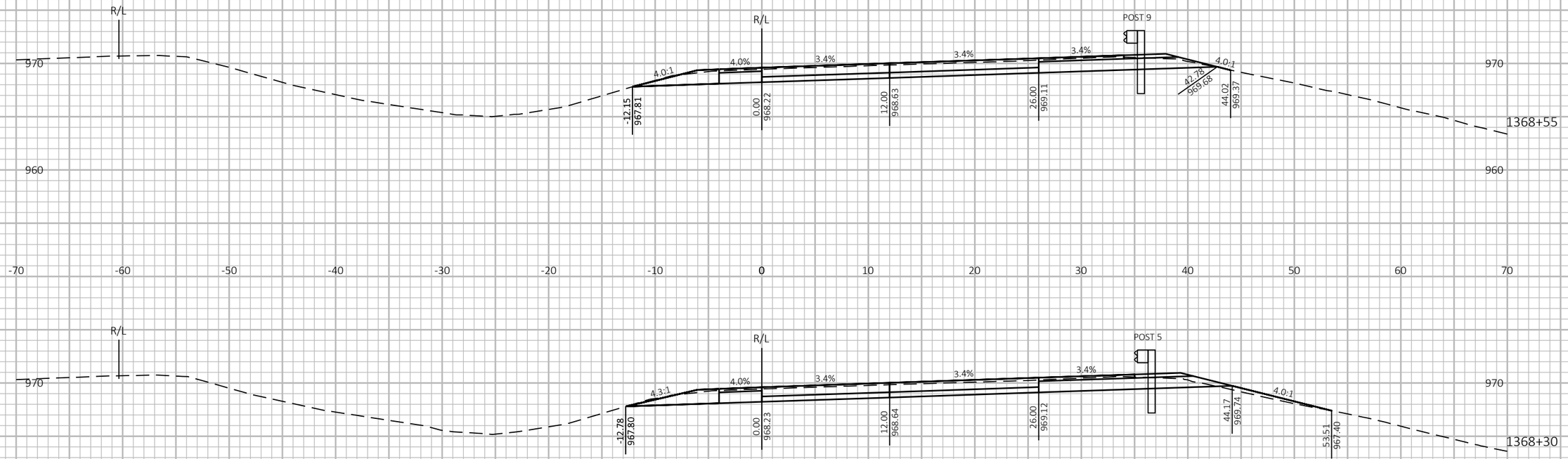
PLOT DATE : 7/26/2023 11:16 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 718	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 11

PLOT DATE : 7/26/2023 11:17 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

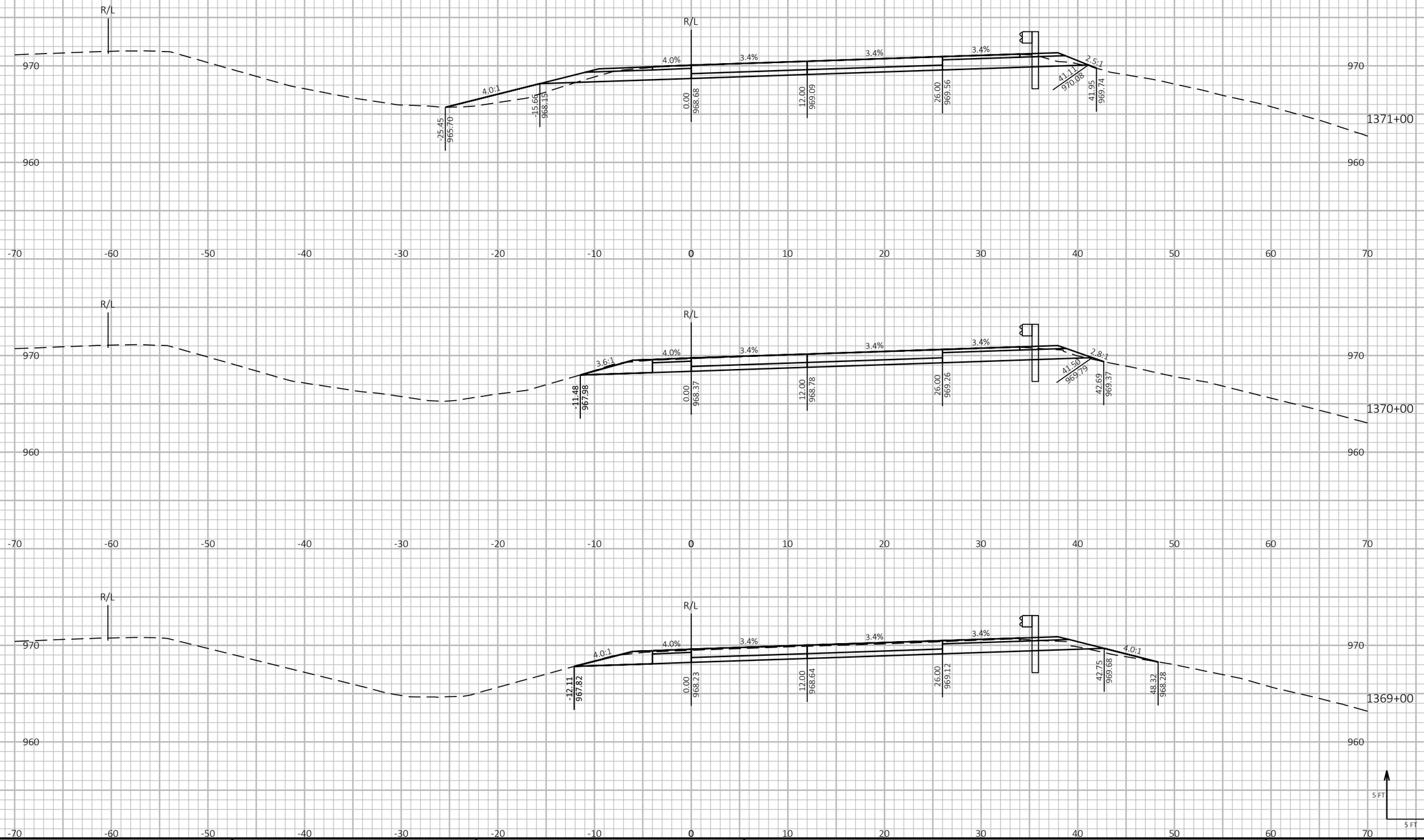
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 719	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 12

PLOT DATE : 7/26/2023 11:17 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

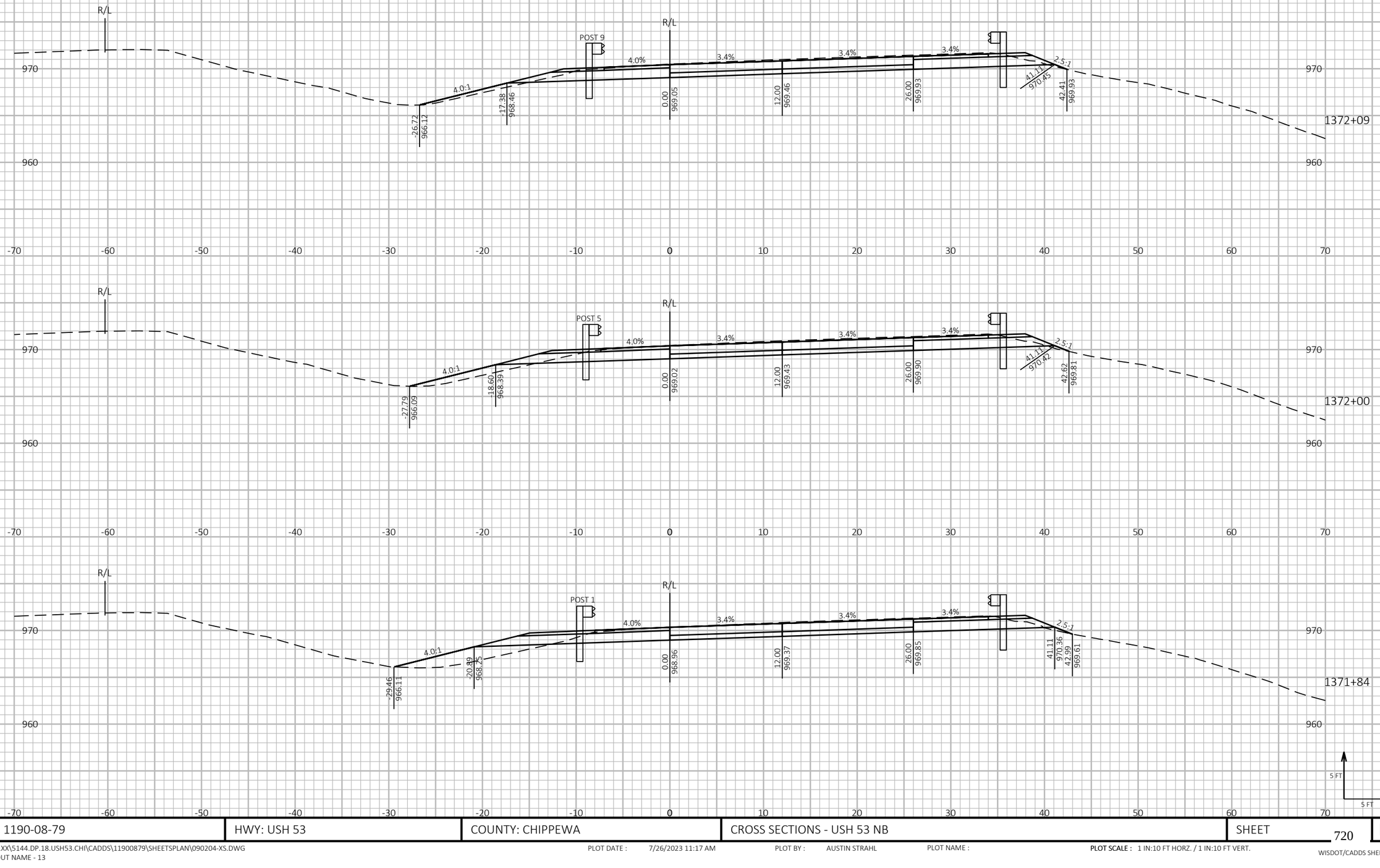
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 720	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 13

PLOT DATE : 7/26/2023 11:17 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

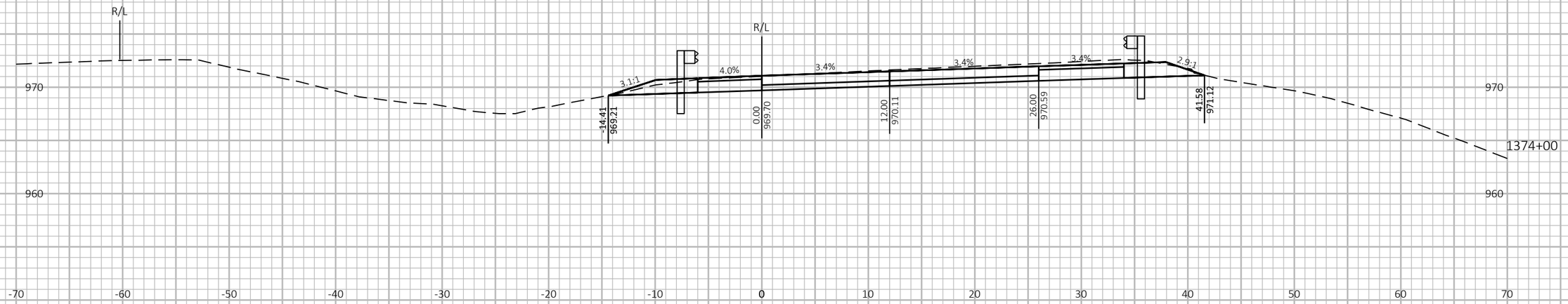
WISDOT/CADDS SHEET 49

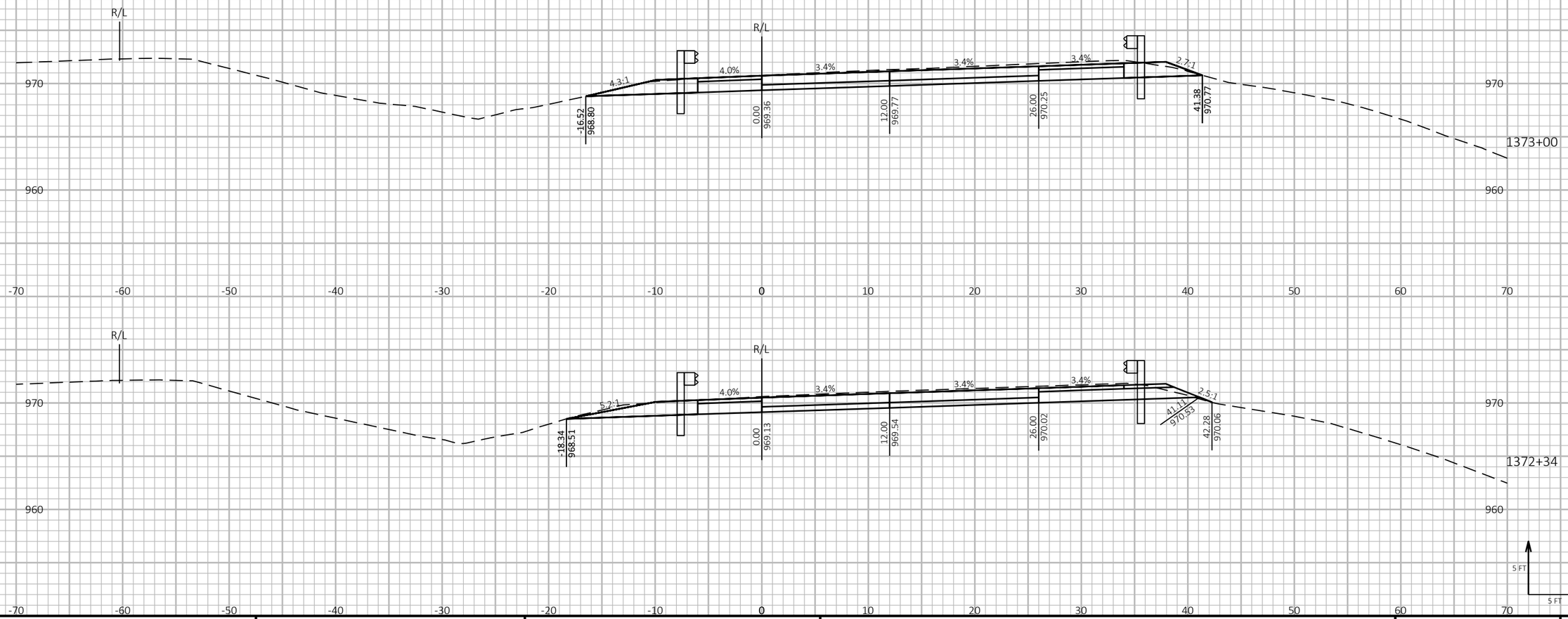
LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT





9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 721	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 14

PLOT DATE : 7/26/2023 11:18 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

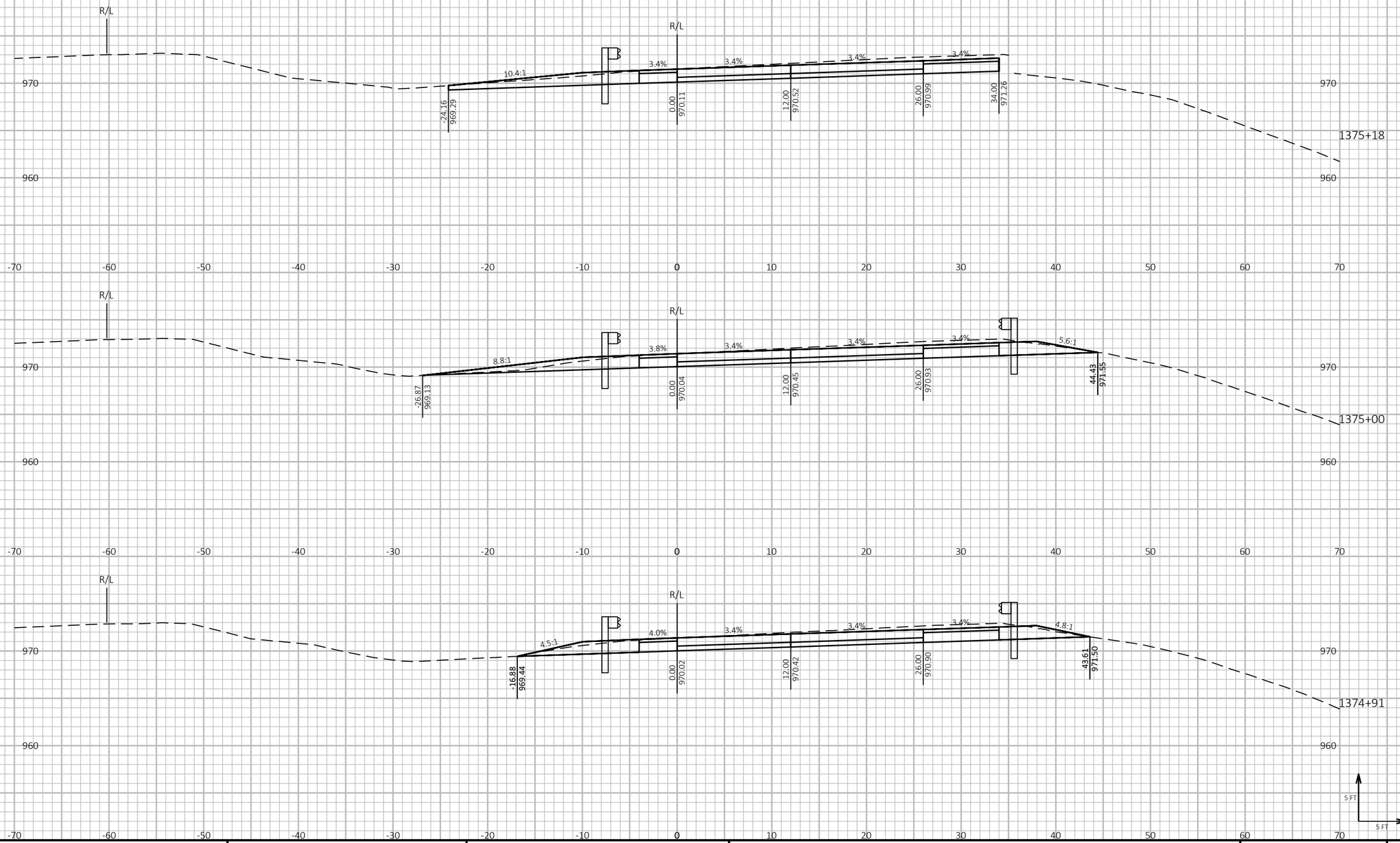
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 722	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 15

PLOT DATE : 7/26/2023 11:18 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

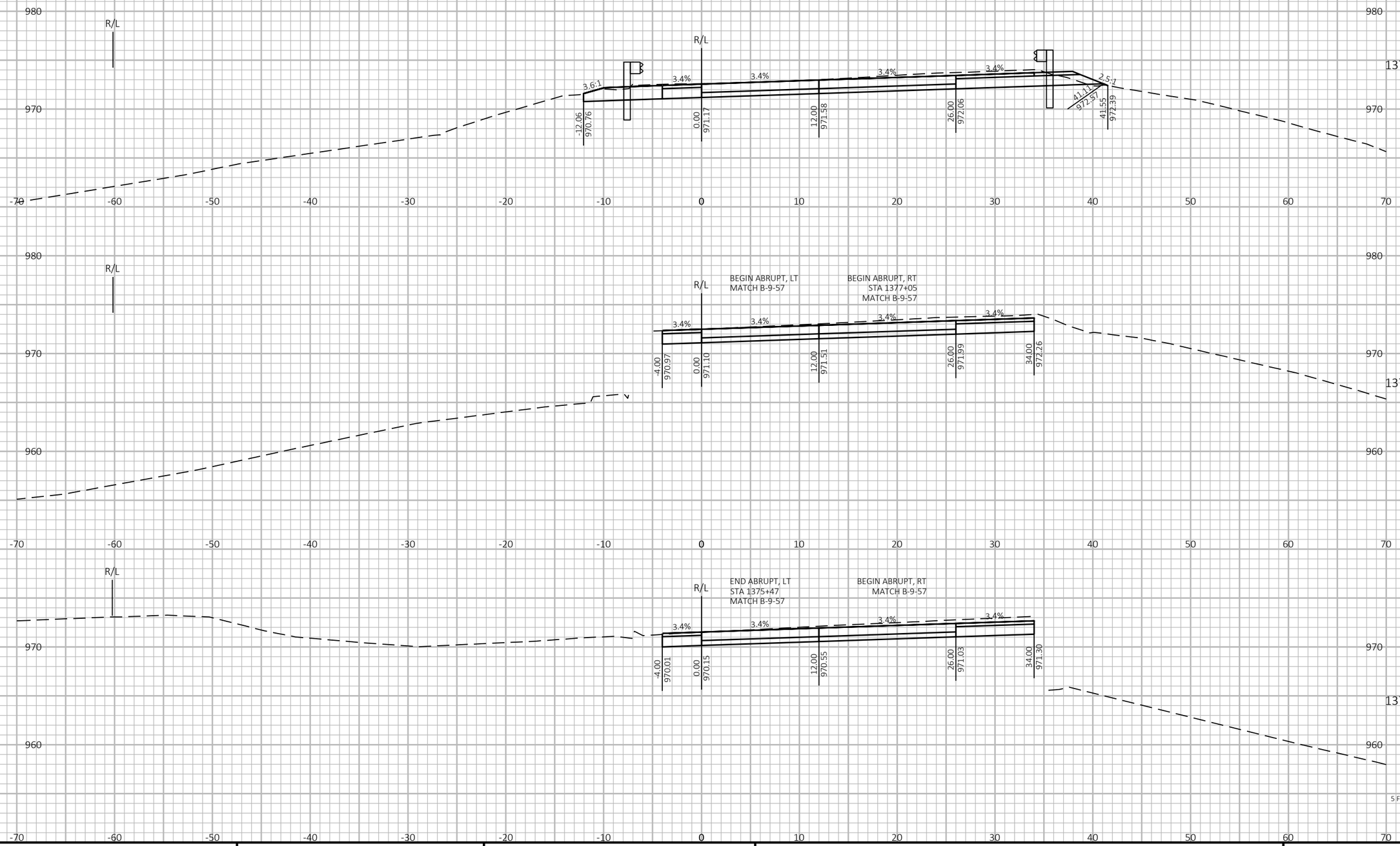
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 723	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 16

PLOT DATE : 7/26/2023 11:18 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

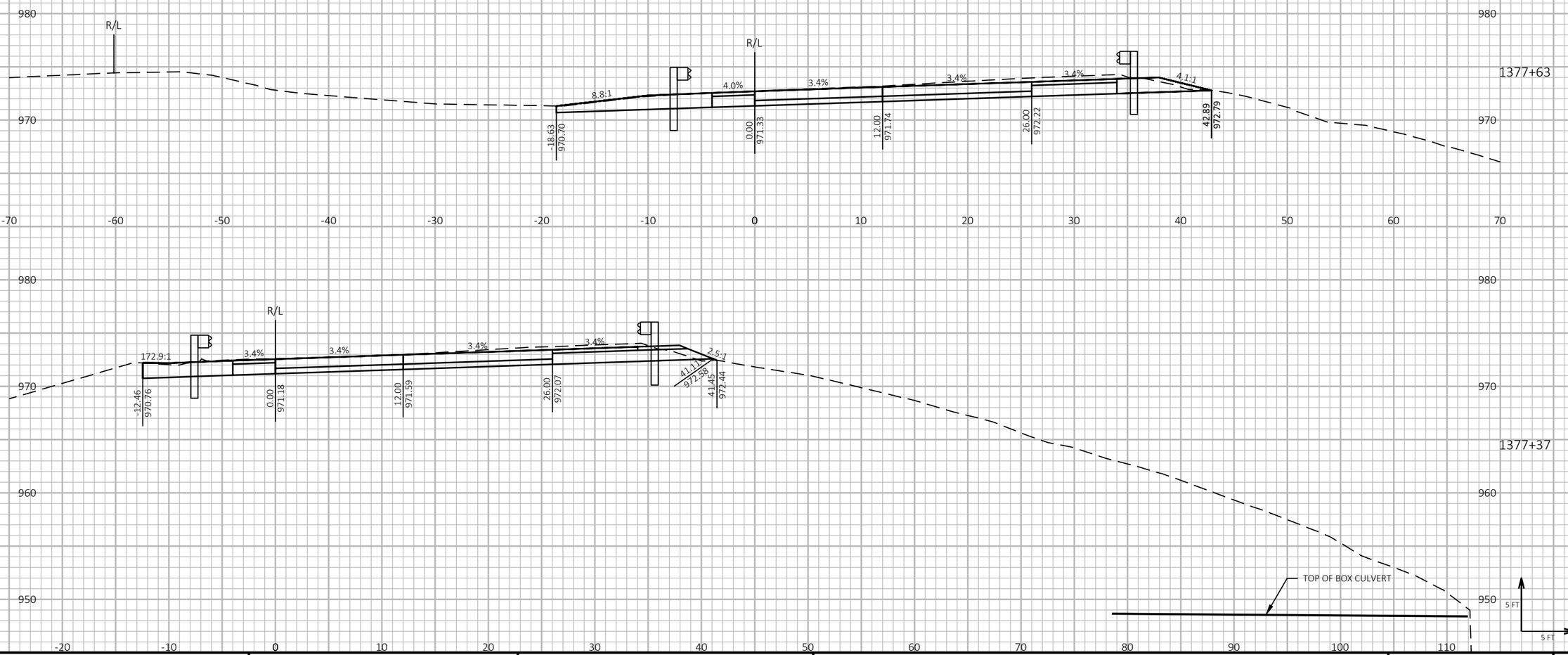
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 724	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 17

PLOT DATE : 7/26/2023 11:18 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

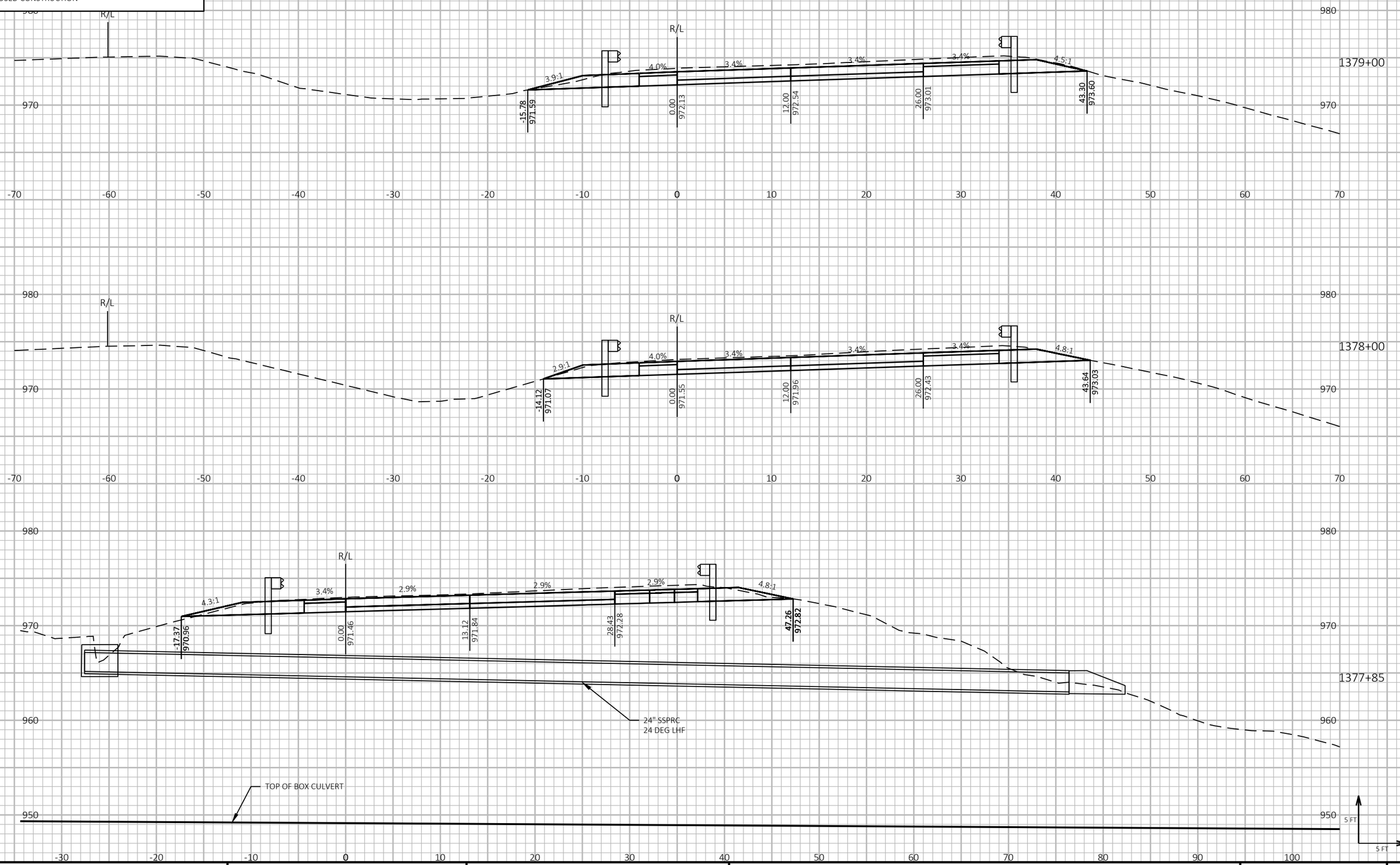
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 725	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 18

PLOT DATE : 7/26/2023 11:19 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

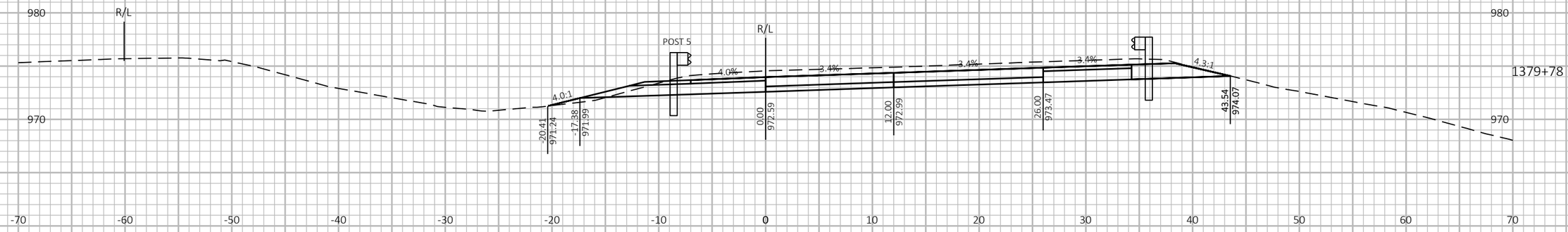
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

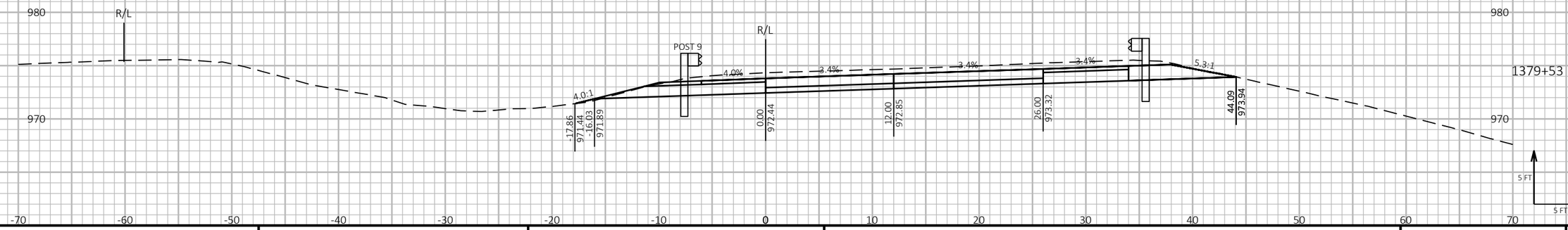
PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



1379+78

1379+71



1379+53

9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 726	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 19

PLOT DATE : 7/26/2023 11:19 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

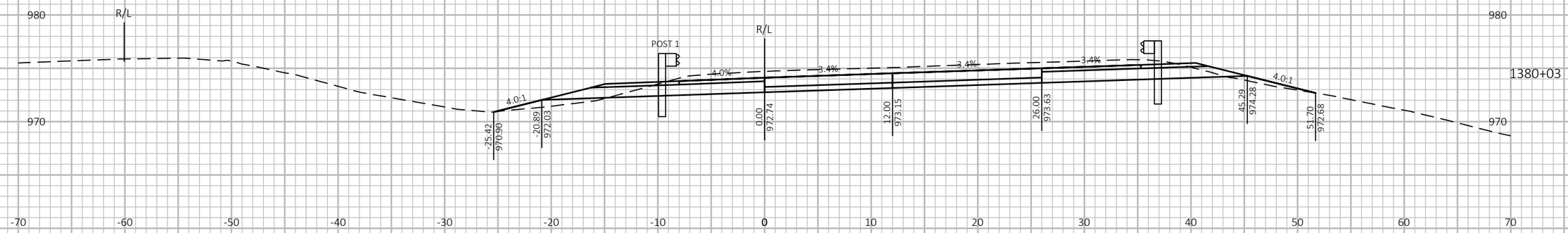
WISDOT/CADDS SHEET 49

LEGEND

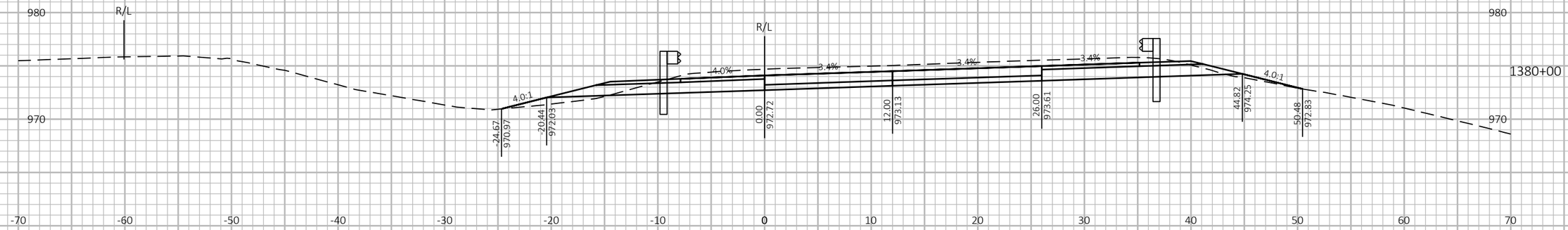
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

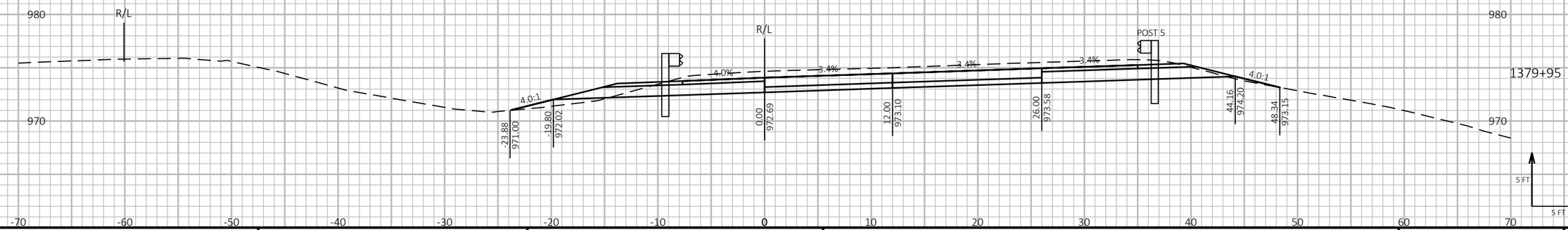
CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



1380+03



1380+00



1379+95

9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 727	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 20

PLOT DATE : 7/26/2023 11:19 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

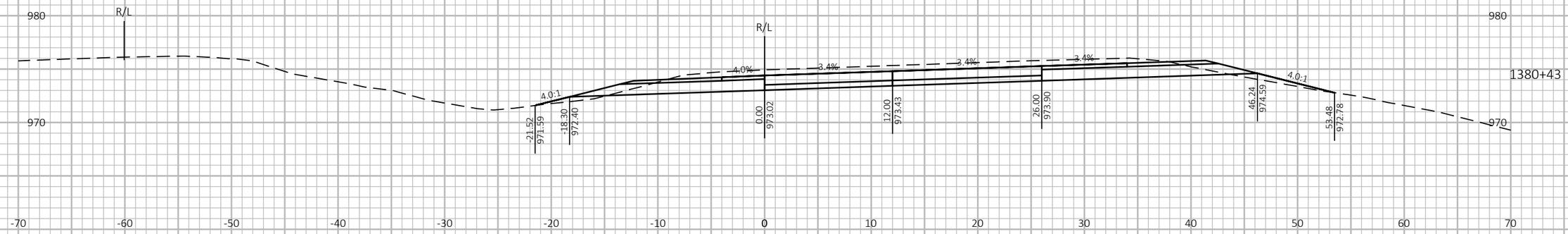
WISDOT/CADDS SHEET 49

LEGEND

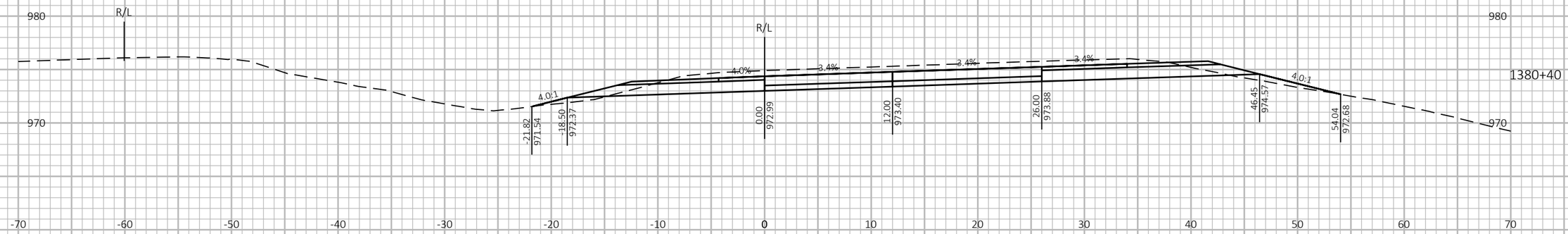
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

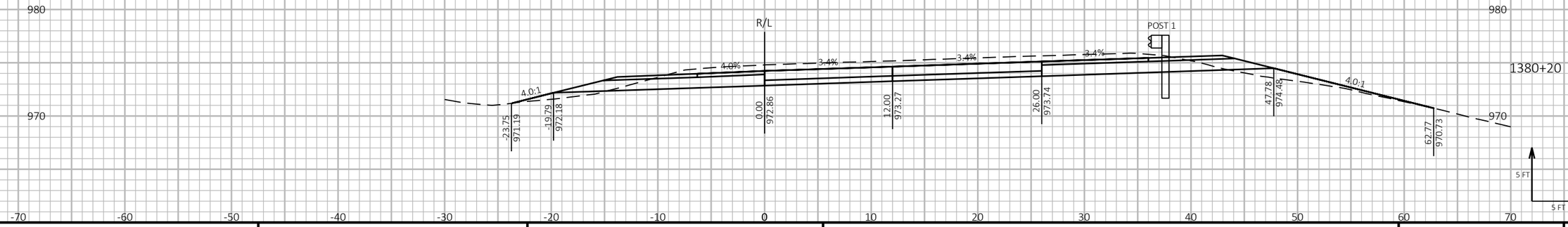
CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



1380+43



1380+40



1380+20

9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 728	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 21

PLOT DATE : 7/26/2023 11:19 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

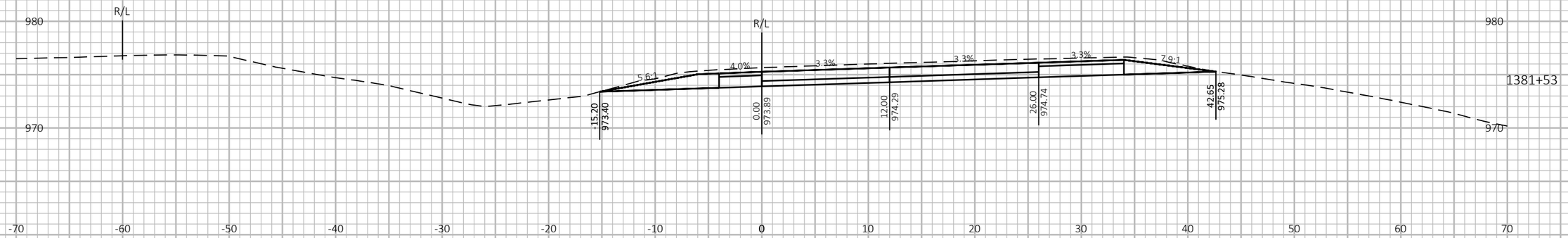
WISDOT/CADDS SHEET 49

LEGEND

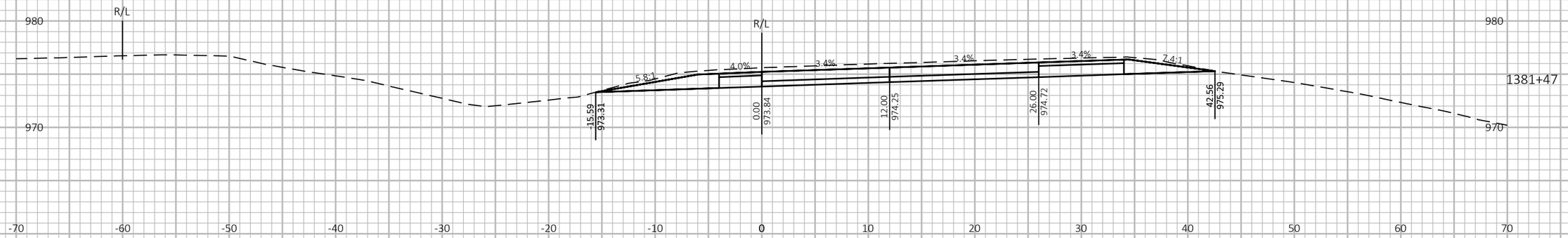
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

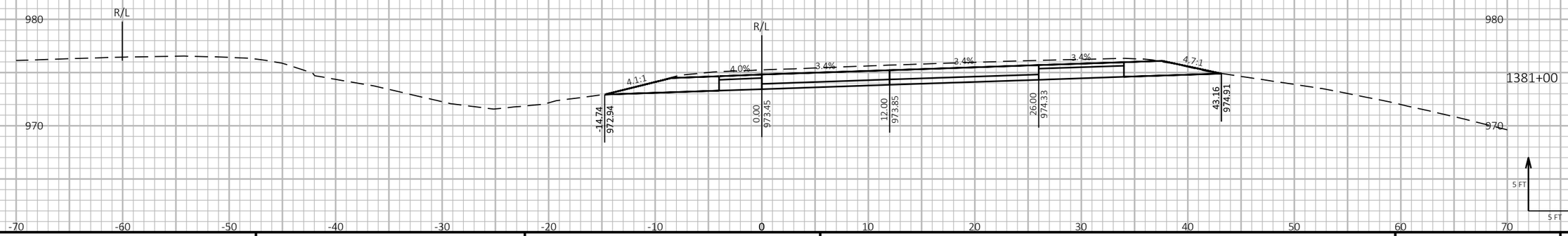
CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



1381+53



1381+47



1381+00

9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 729	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 22

PLOT DATE : 7/26/2023 11:20 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

LEGEND

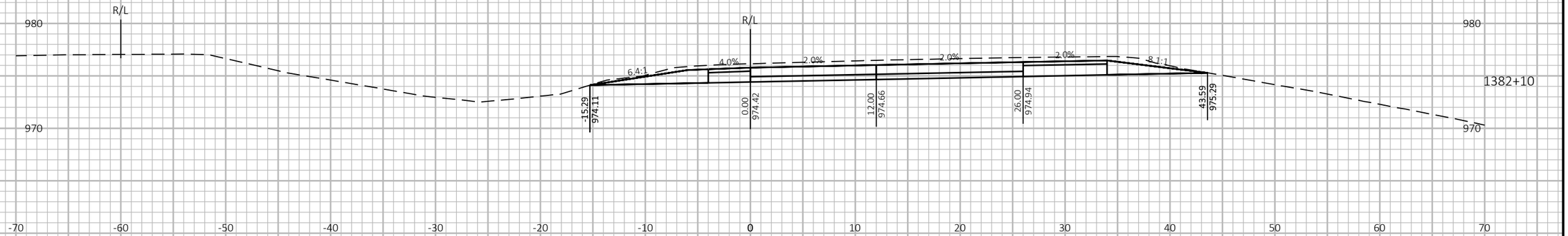
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

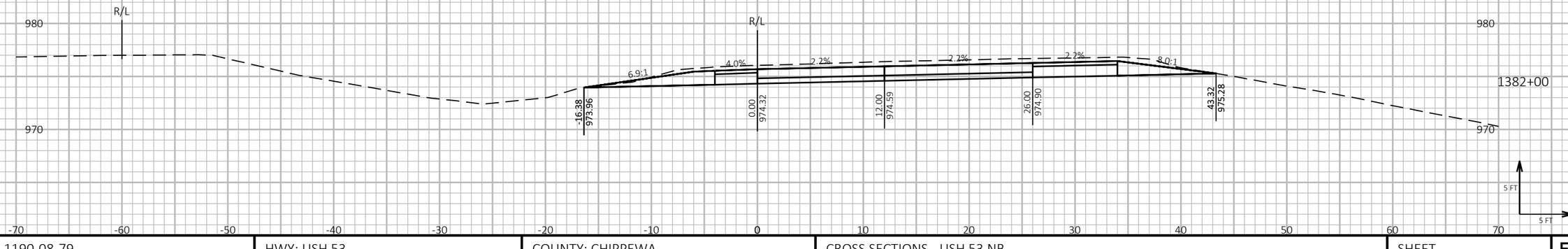
CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



1383+00



1382+10



1382+00

9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 730	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 23

PLOT DATE : 7/26/2023 11:20 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

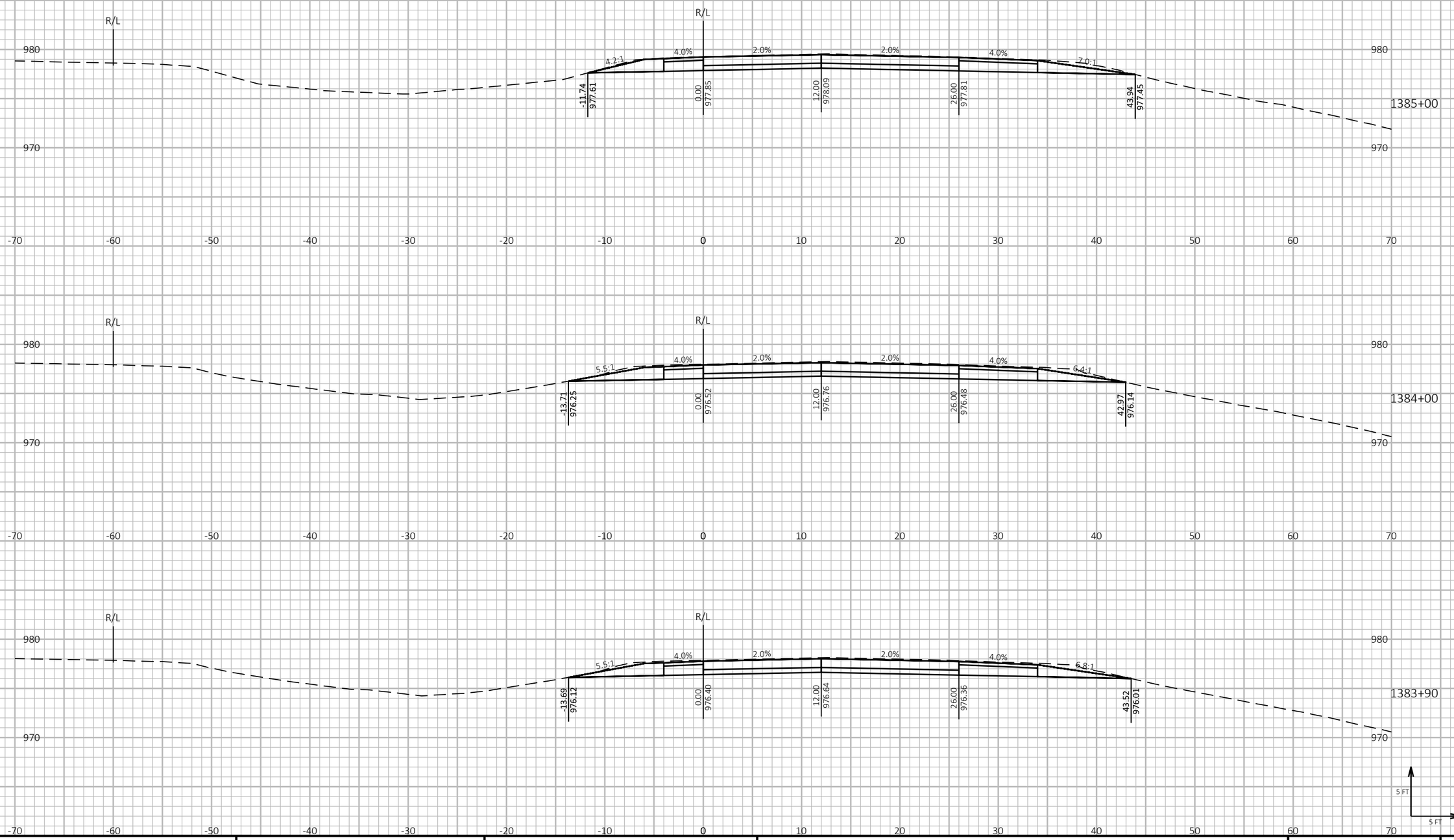
WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 731	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 24

PLOT DATE : 7/26/2023 11:20 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

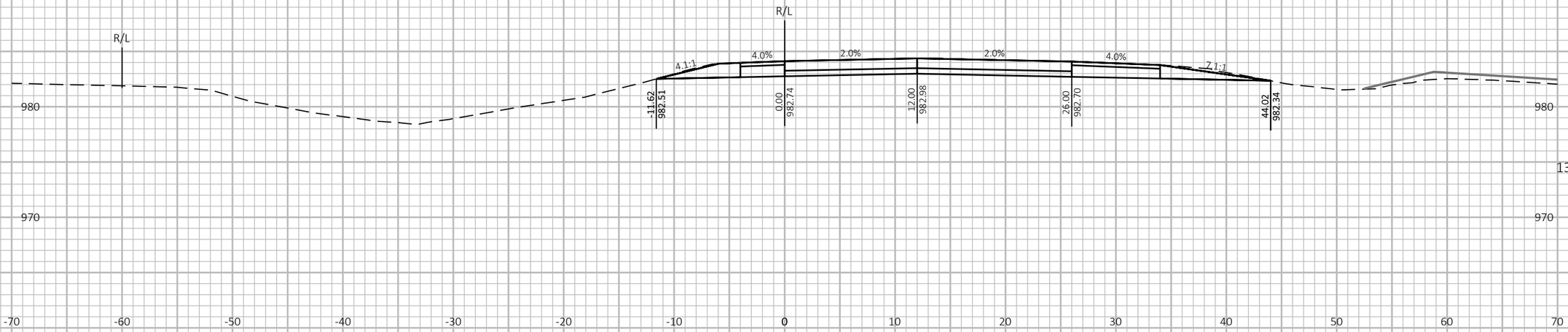
WISDOT/CADDS SHEET 49

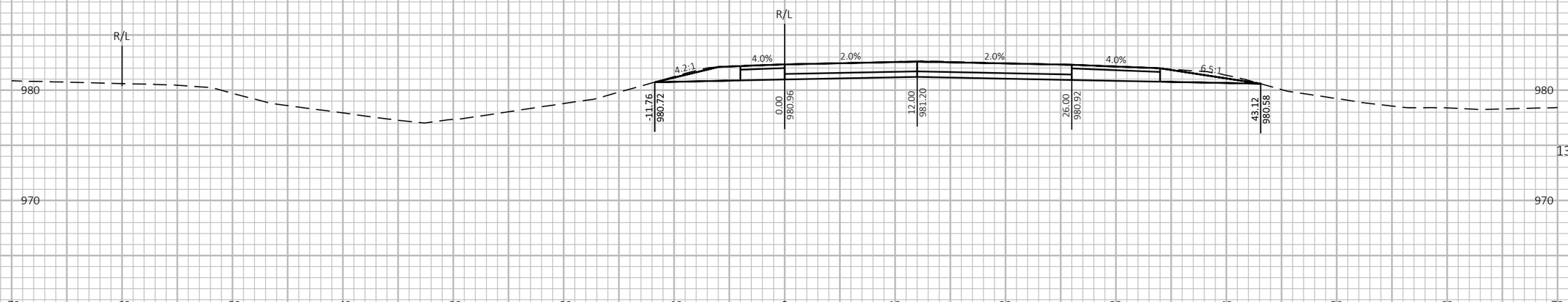
LEGEND

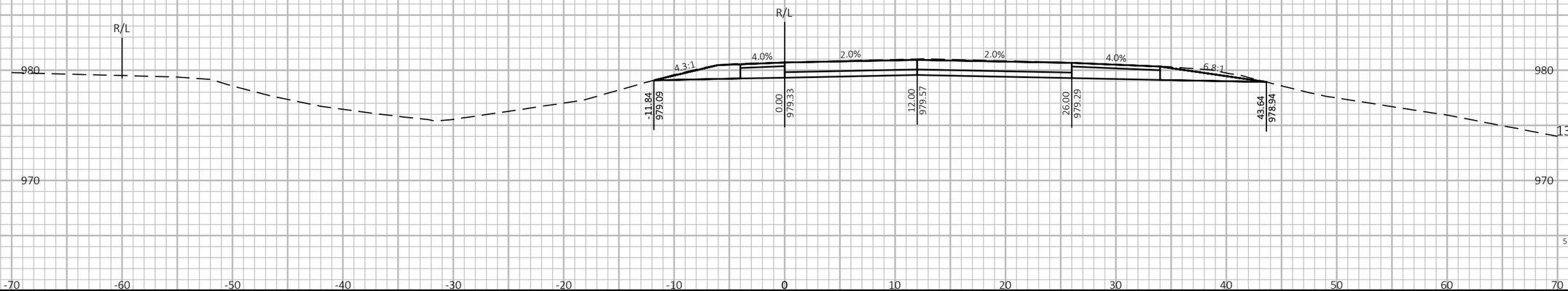
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 732	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 25

PLOT DATE : 7/26/2023 11:20 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

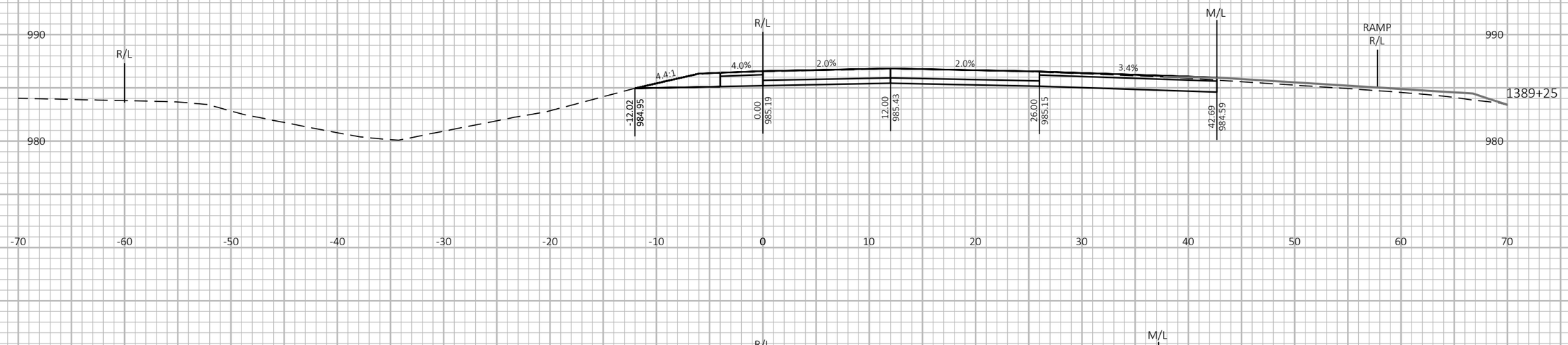
WISDOT/CADDS SHEET 49

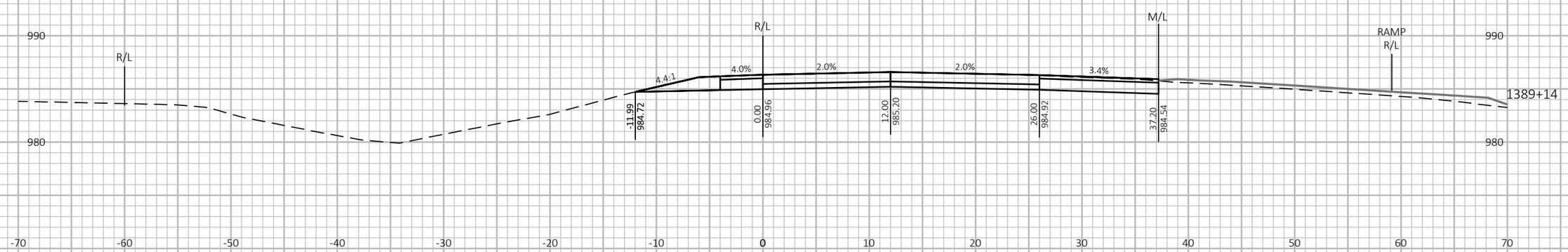
LEGEND

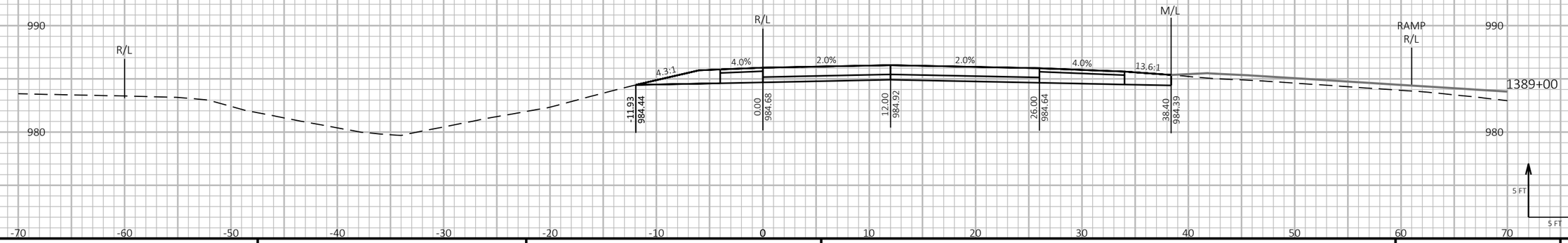
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 733	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 26

PLOT DATE : 7/26/2023 11:21 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

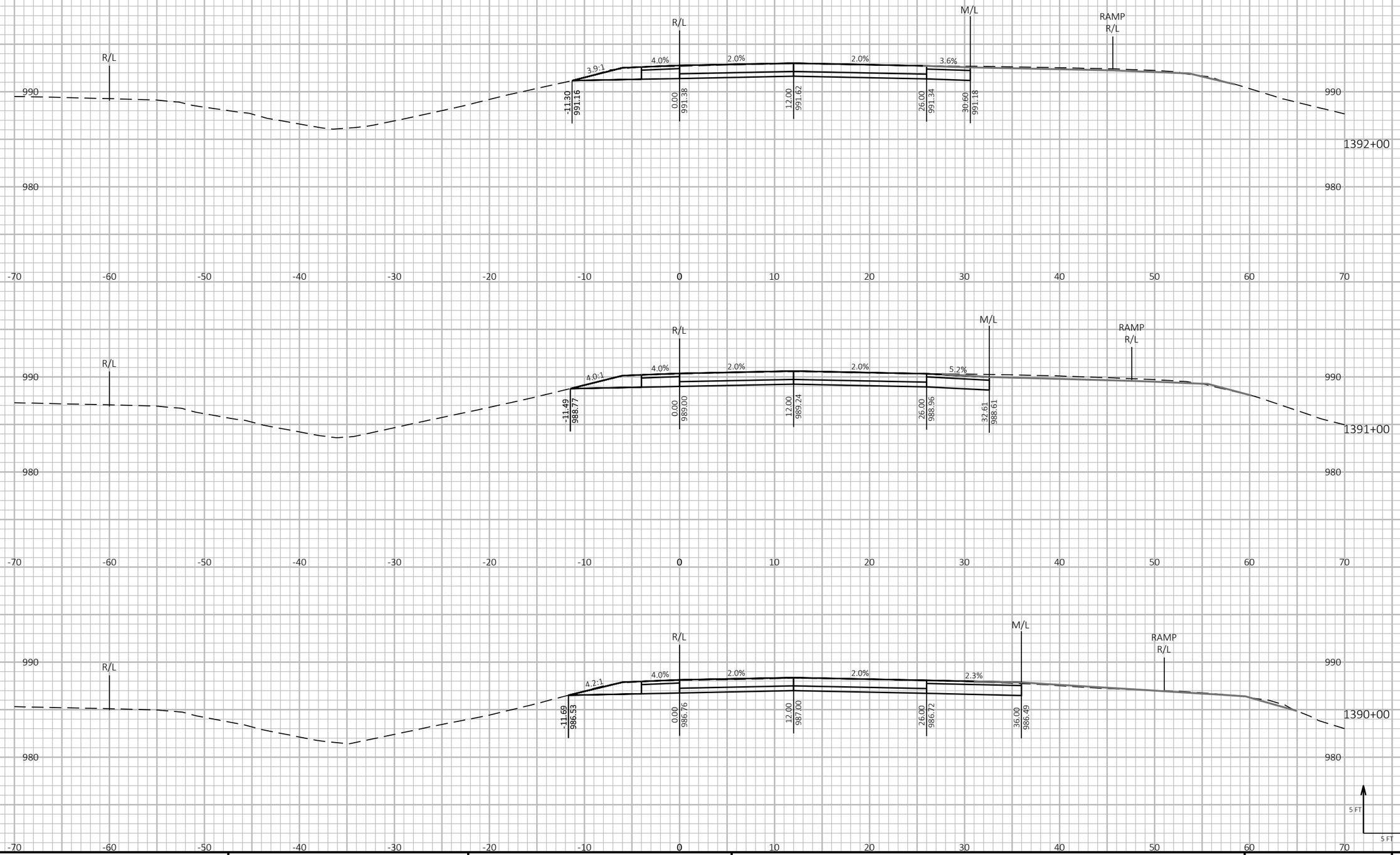
WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 734	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 27

PLOT DATE : 7/26/2023 11:21 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

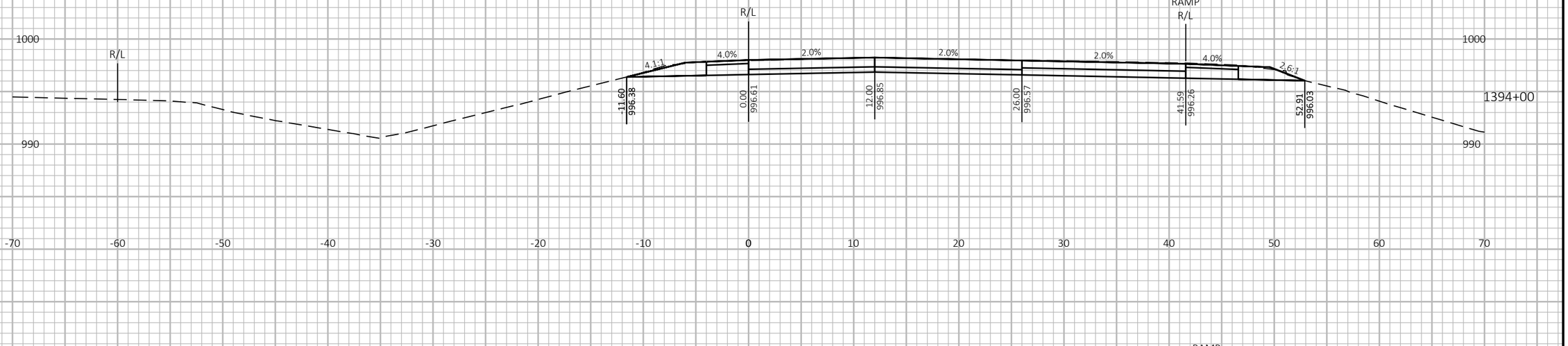
WISDOT/CADDS SHEET 49

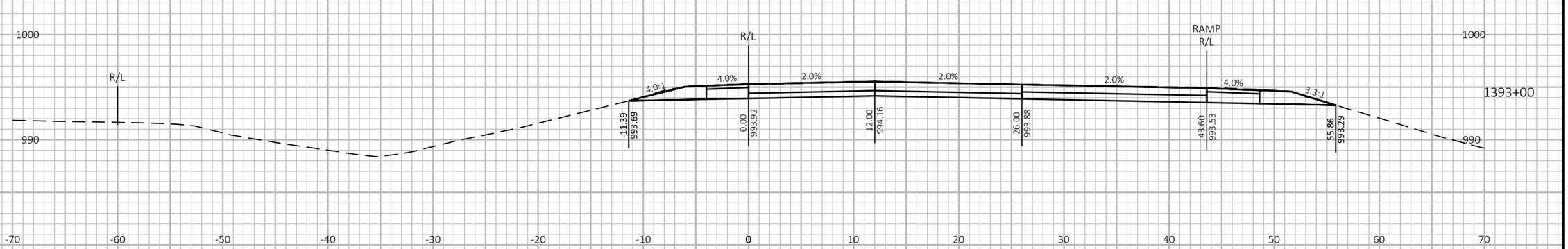
LEGEND

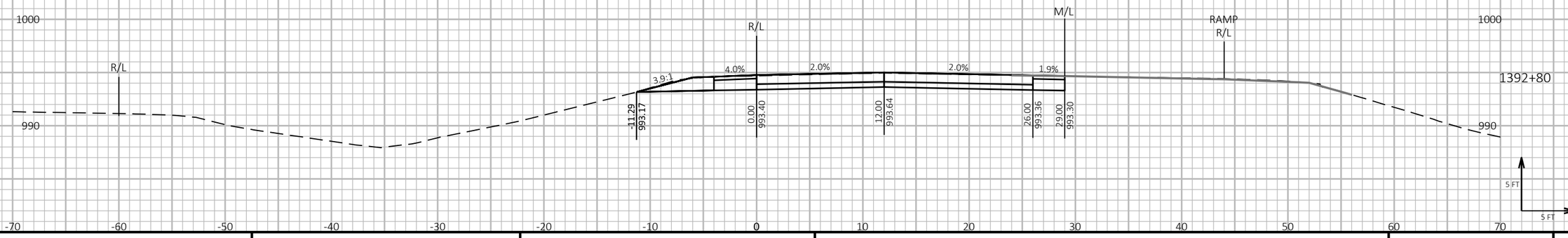
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 735	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 28

PLOT DATE : 7/26/2023 11:21 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

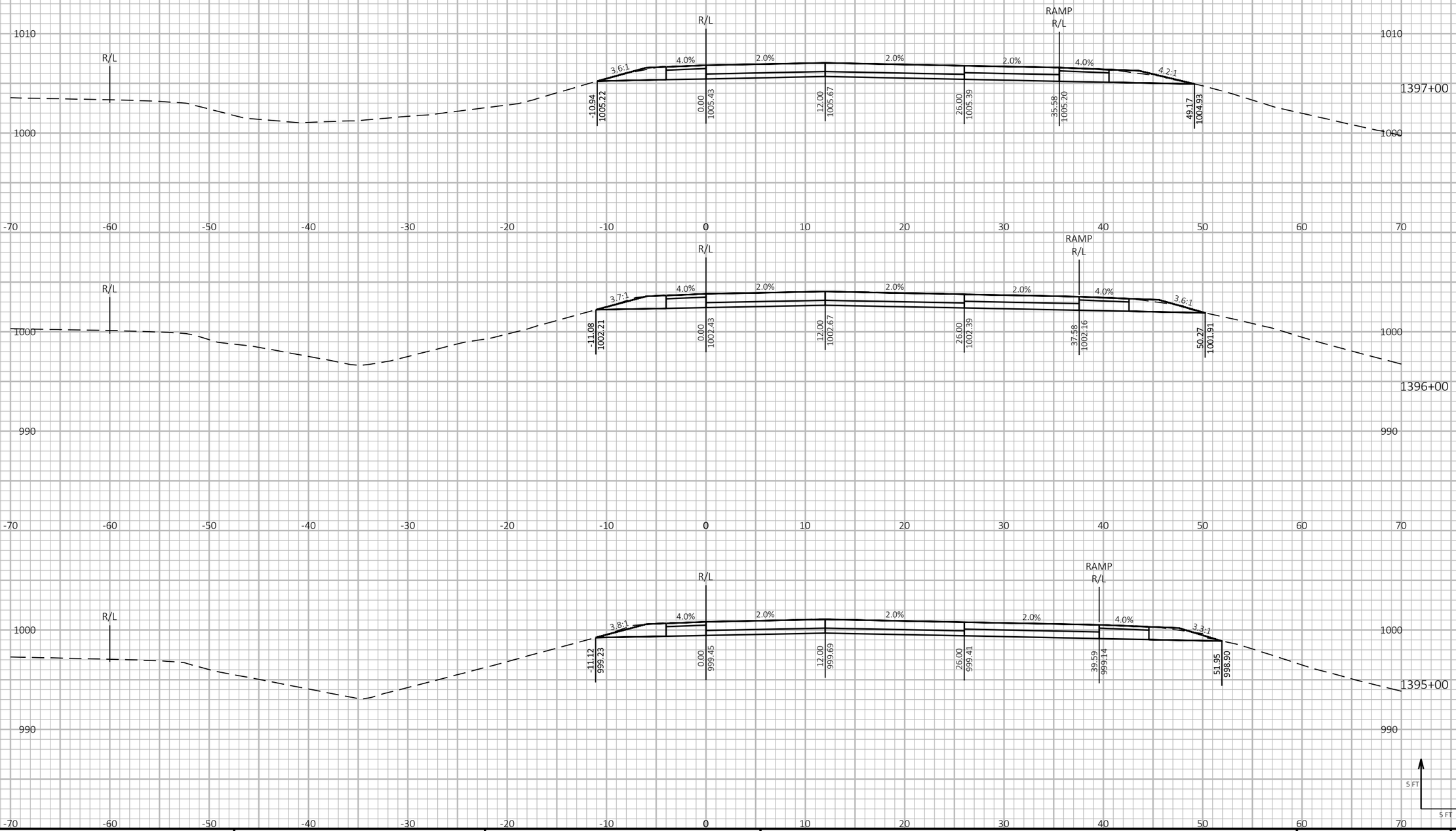
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 736	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 29

PLOT DATE : 7/26/2023 11:21 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

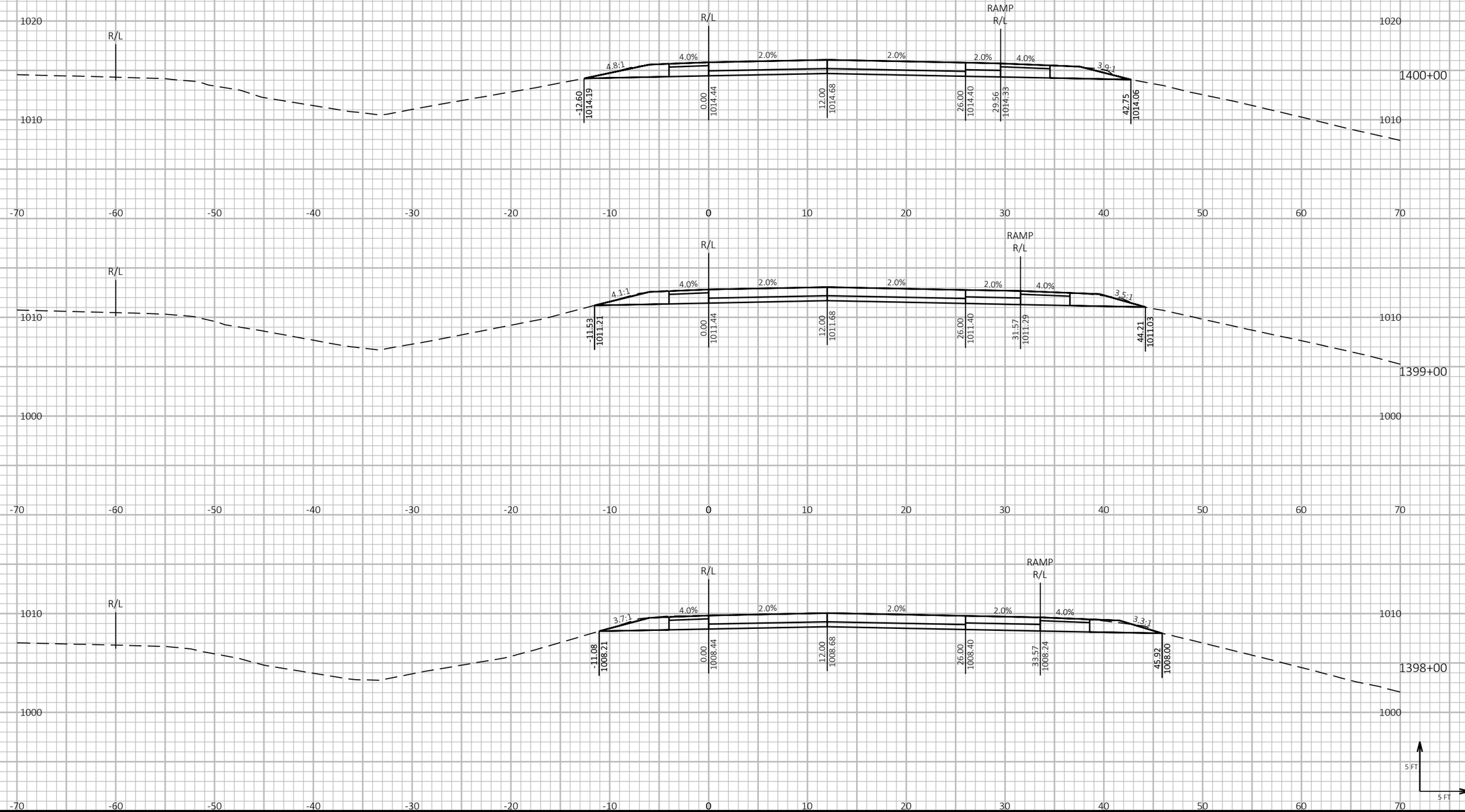
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



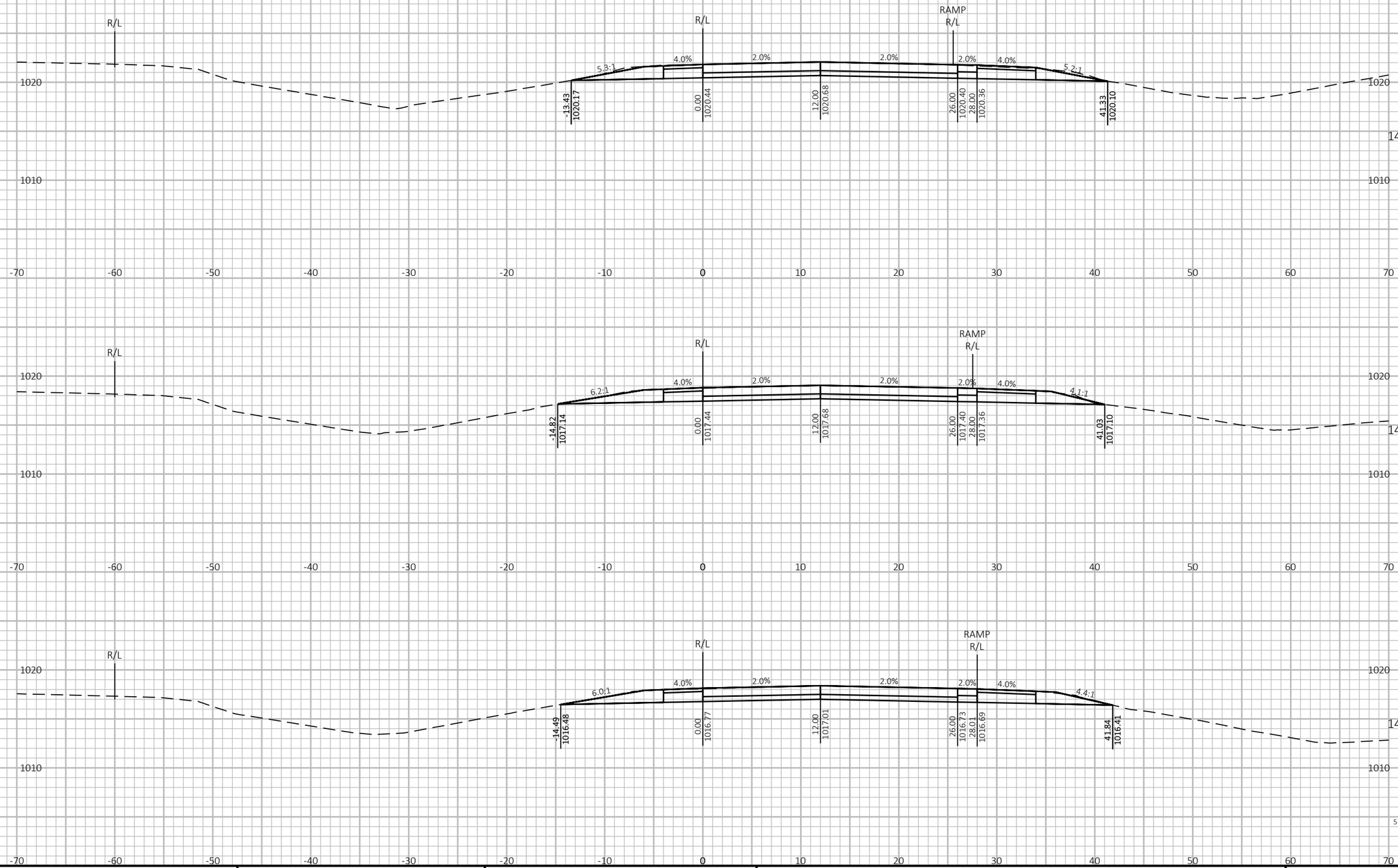
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 737	E

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 738	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 31

PLOT DATE : 7/26/2023 11:22 AM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

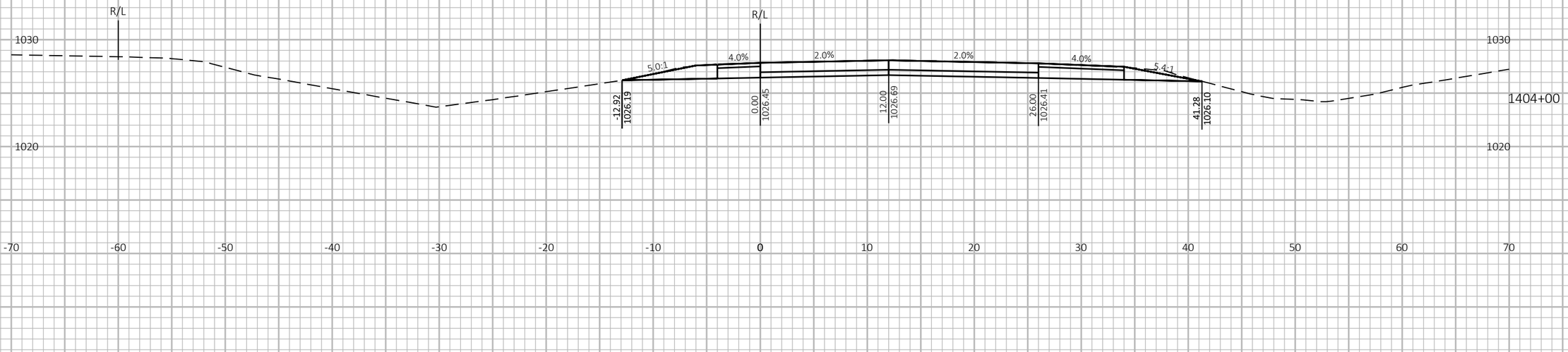
WISDOT/CADDS SHEET 49

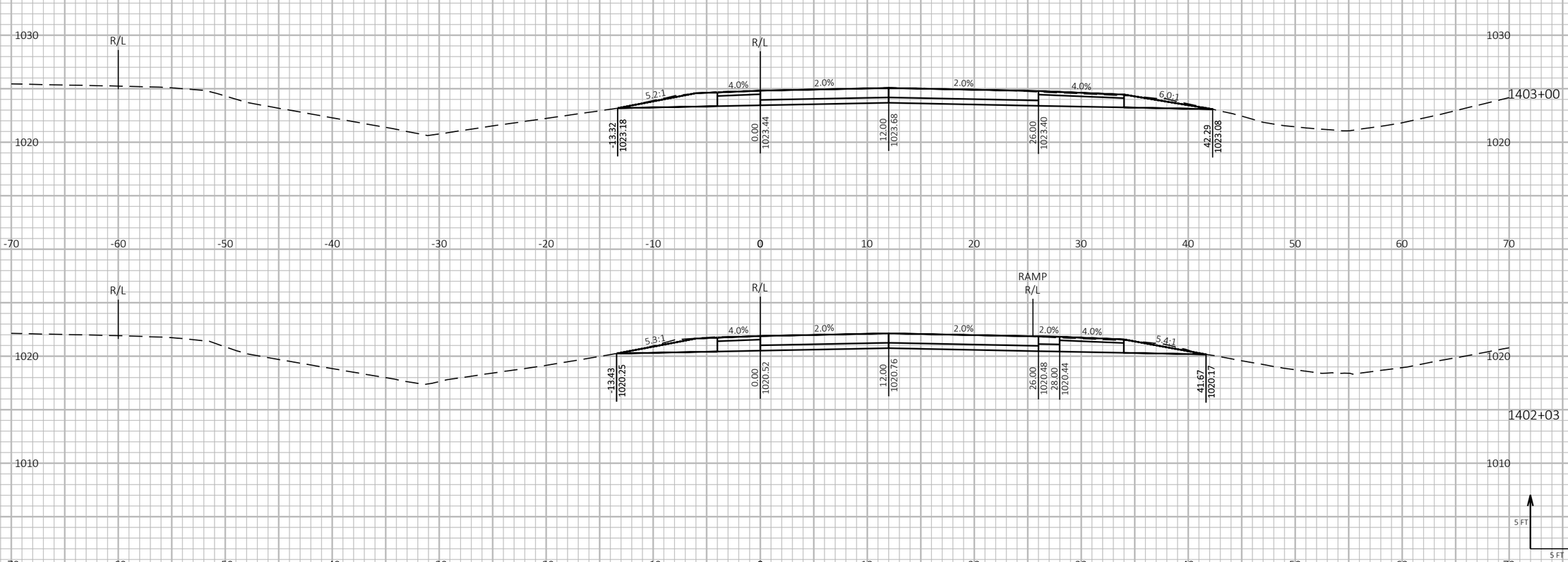
LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT





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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 739	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 32

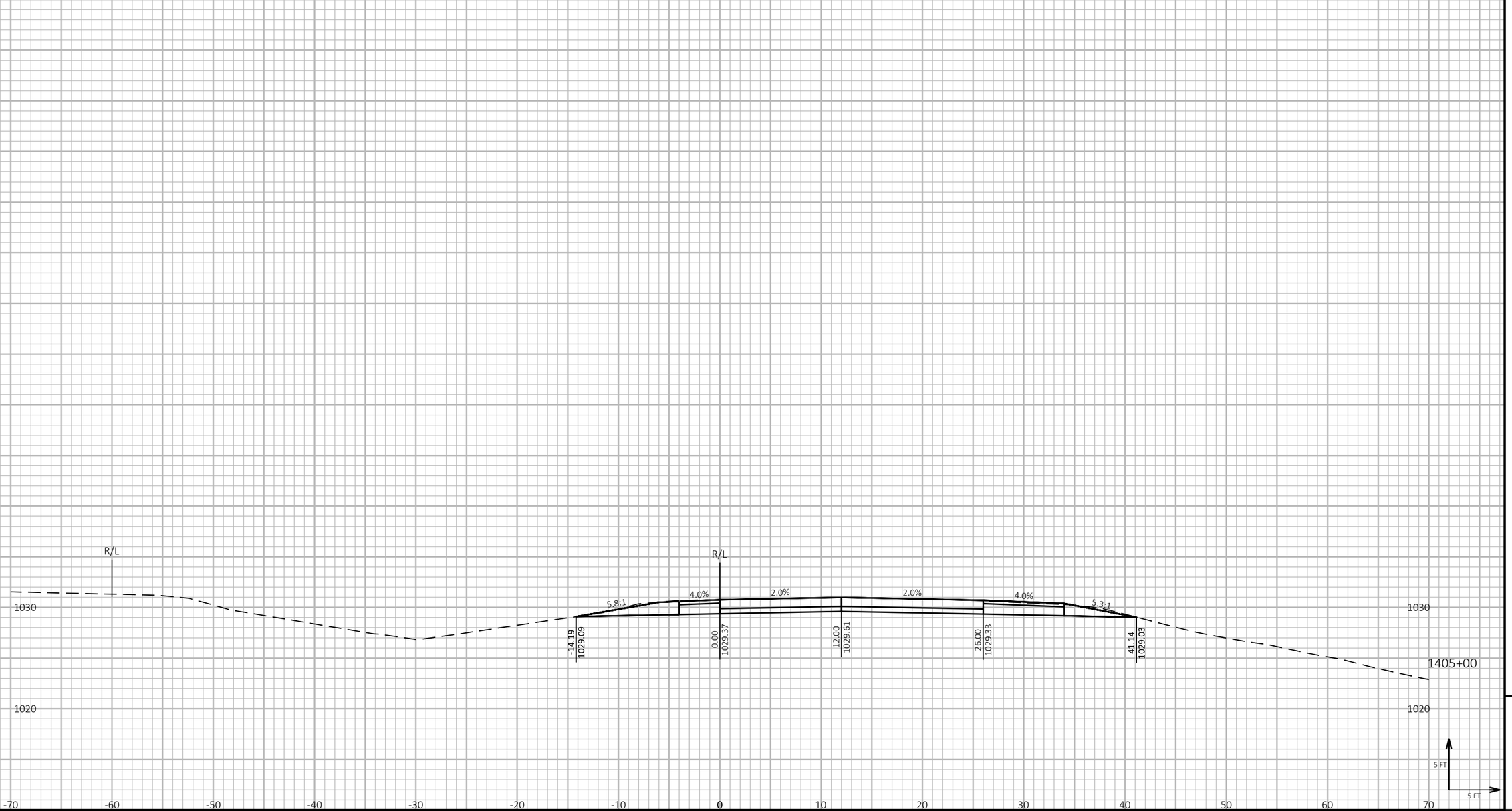
PLOT DATE : 7/26/2023 11:22 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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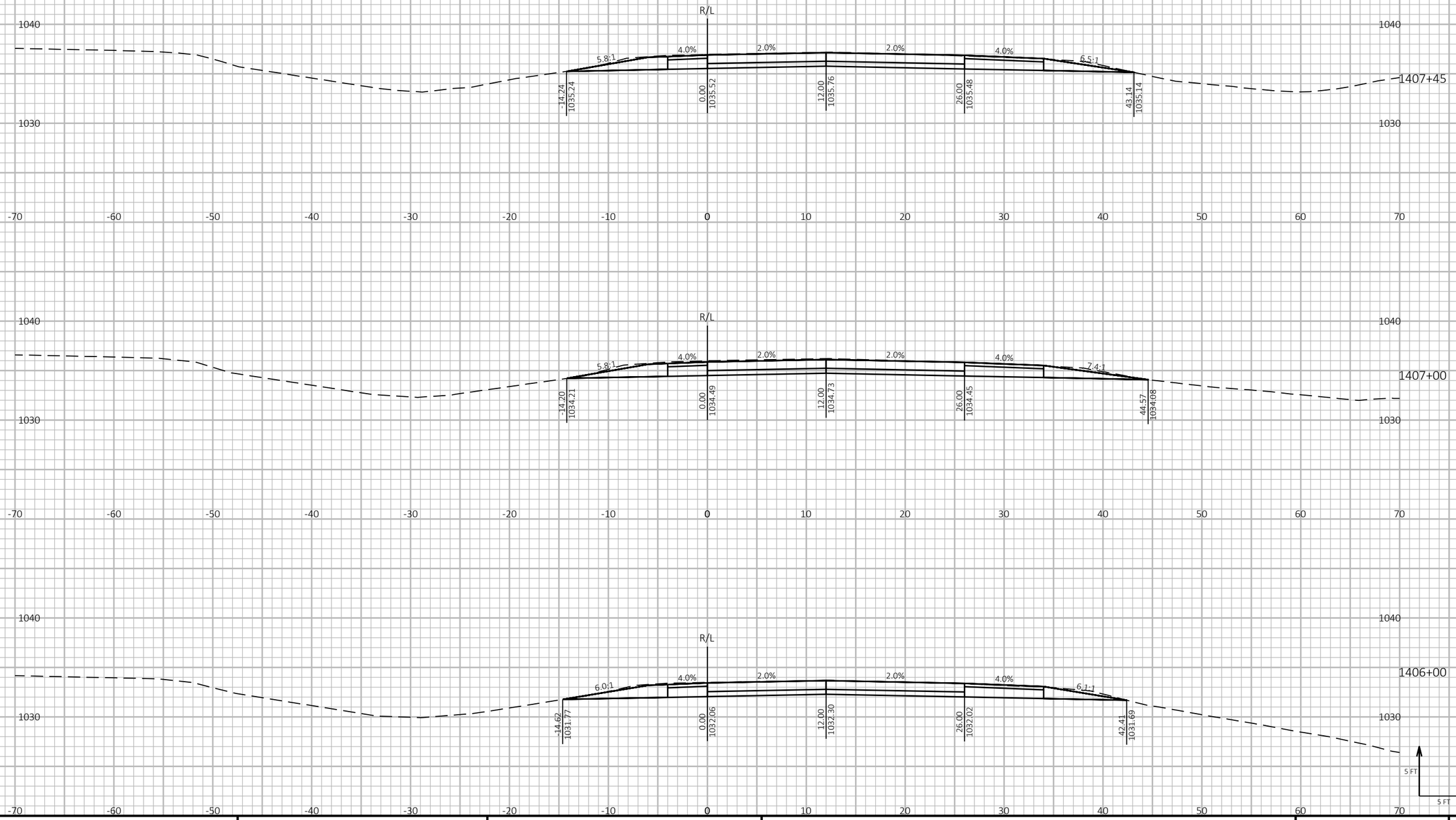
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 740	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 33

PLOT DATE : 7/26/2023 11:22 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 741	E

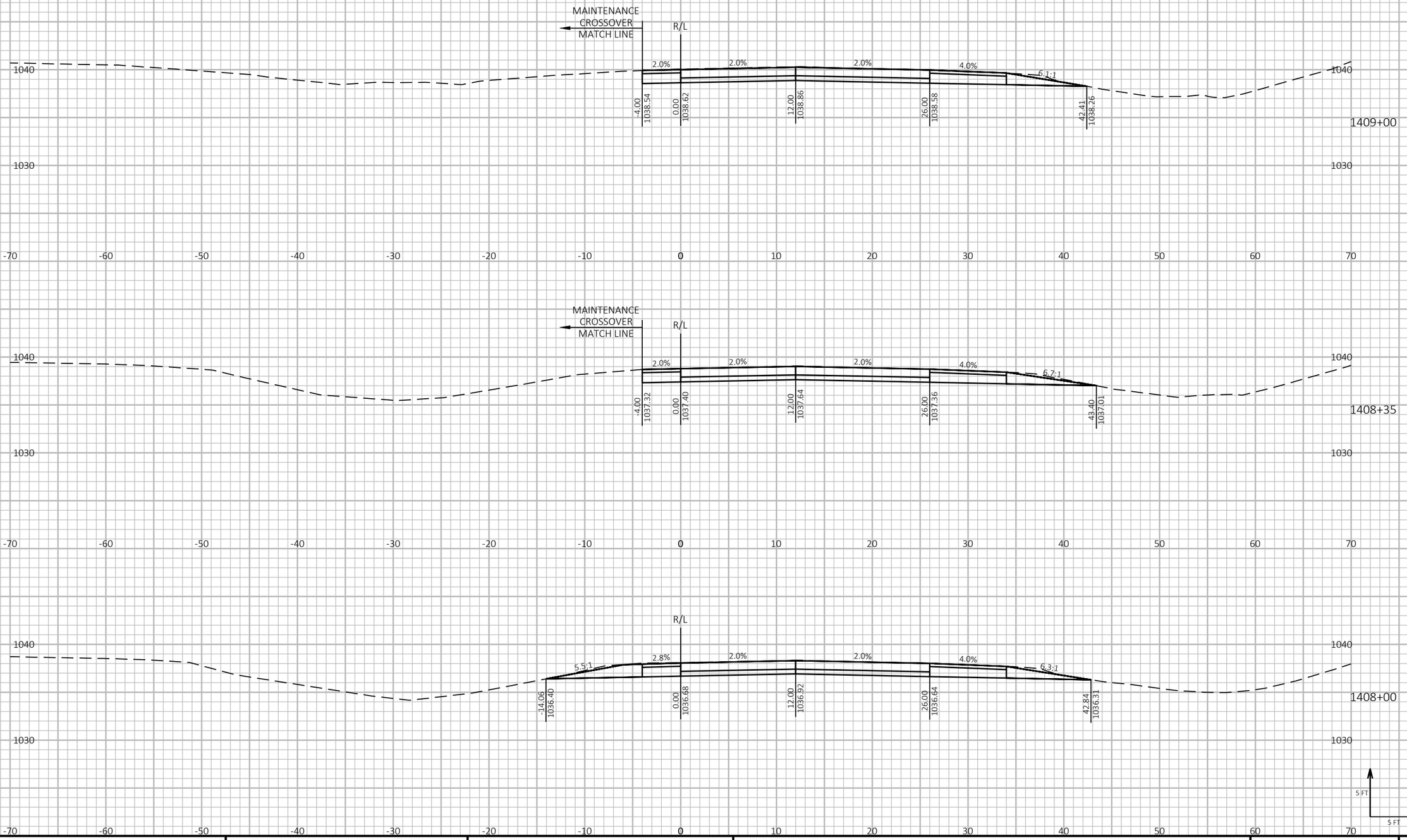
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 11:48 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 742	E

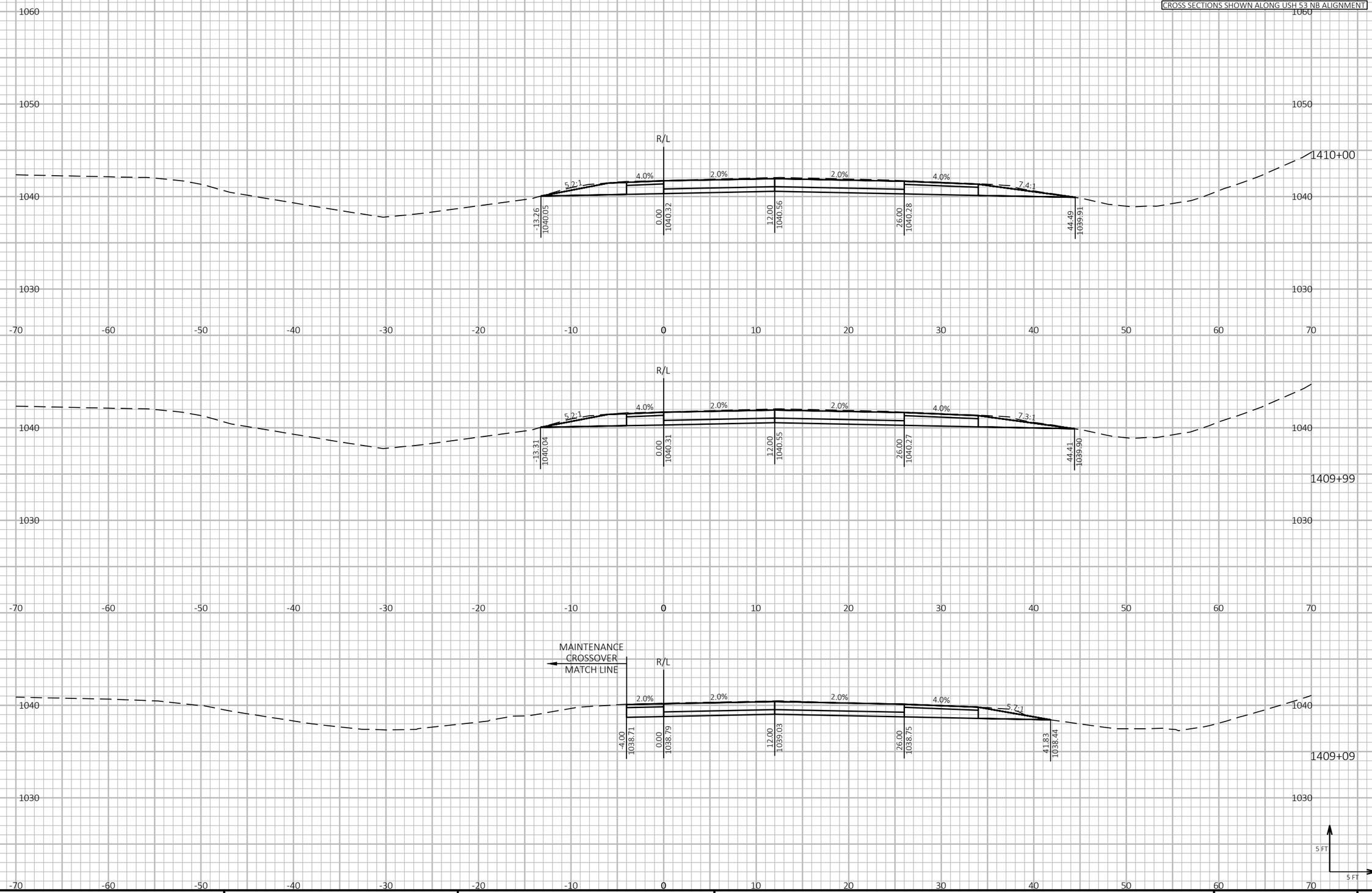
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/26/2023 11:48 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



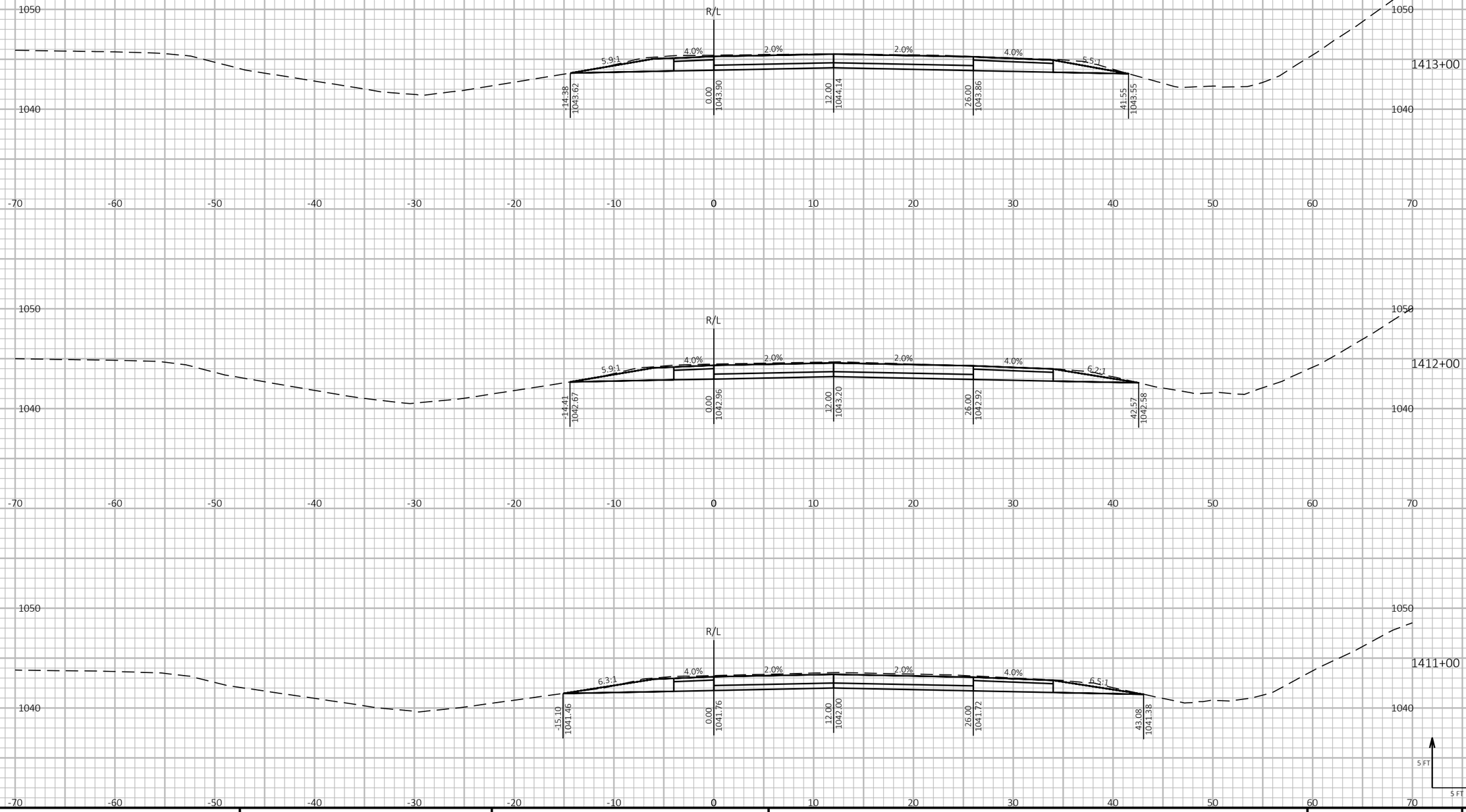
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 743	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/26/2023 11:48 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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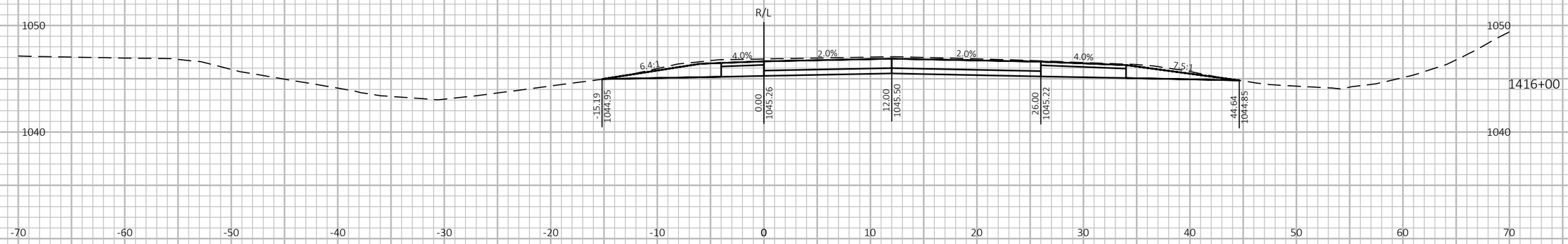
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 744	E

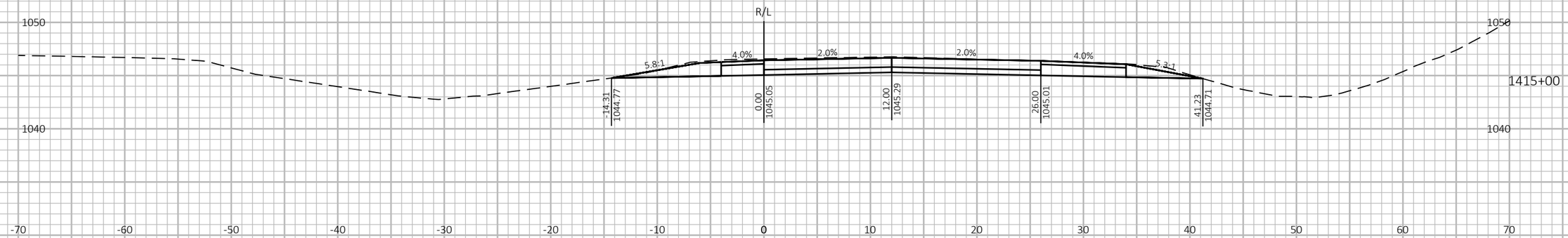
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 04

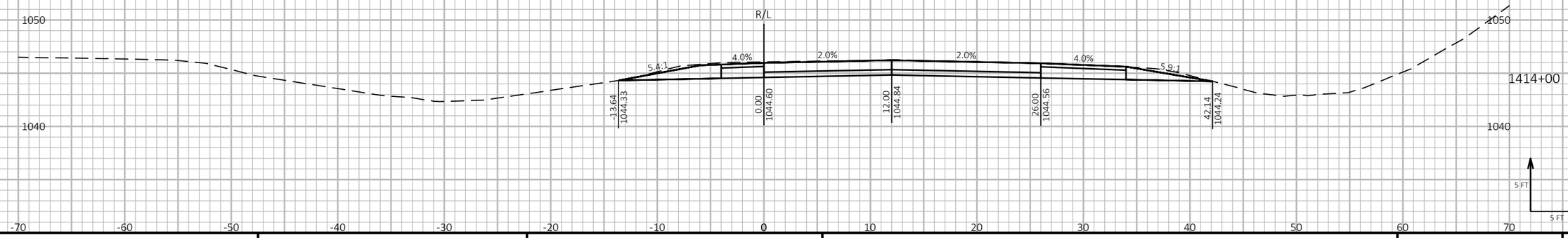
PLOT DATE : 7/26/2023 11:48 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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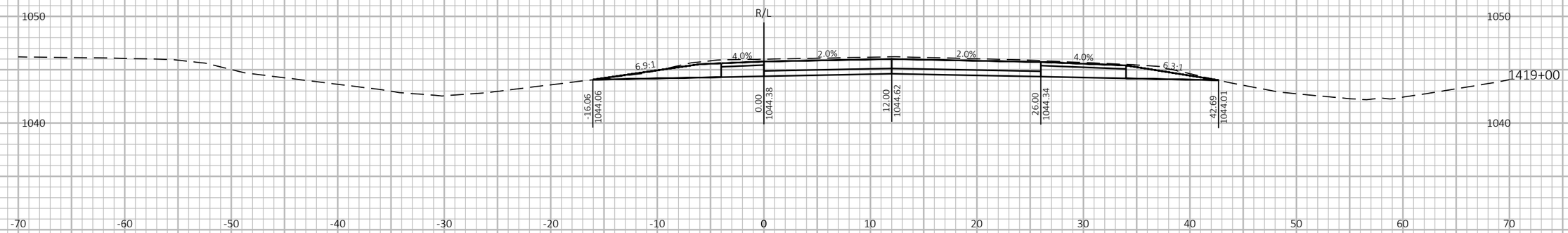
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 745	E

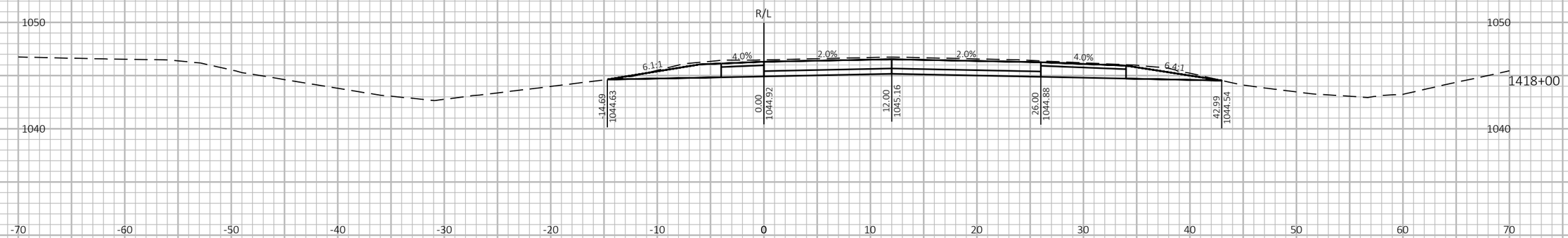
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 05

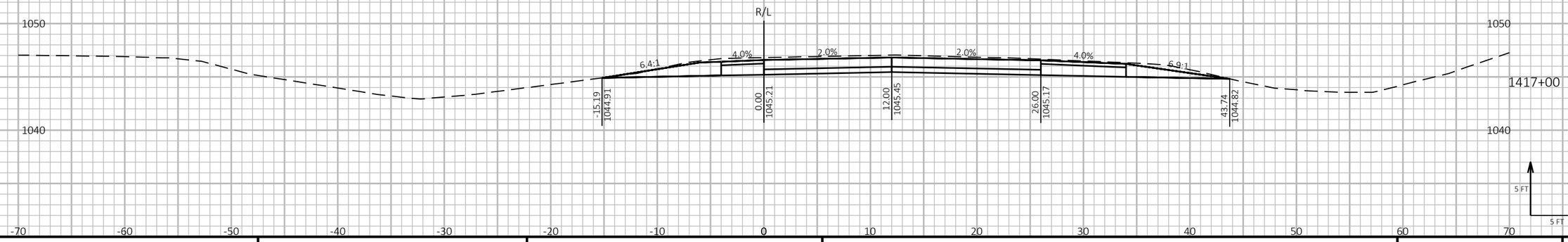
PLOT DATE : 7/26/2023 11:48 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 746	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/26/2023 11:48 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



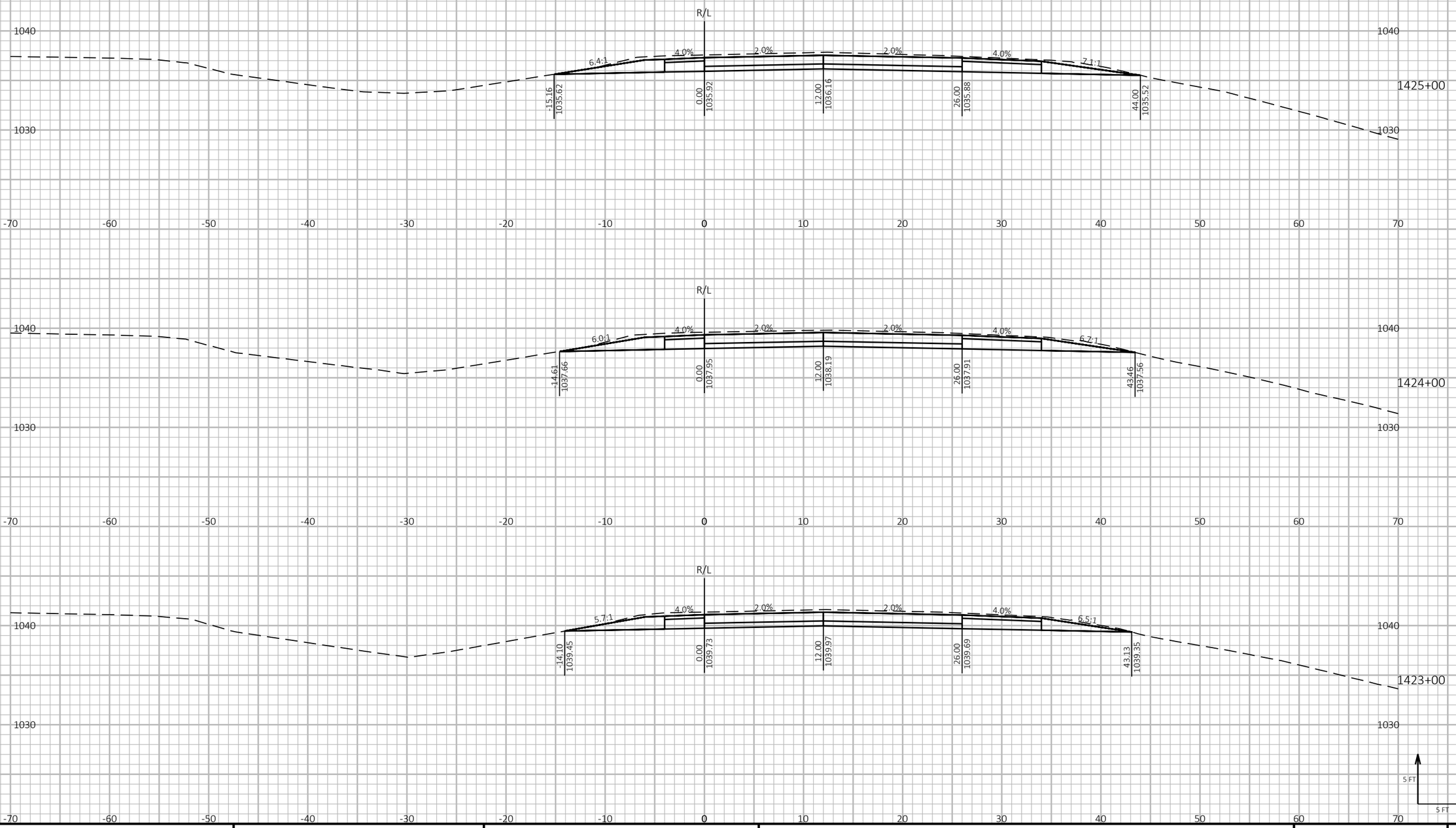
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 747	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 07

PLOT DATE : 7/26/2023 11:48 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 748	E

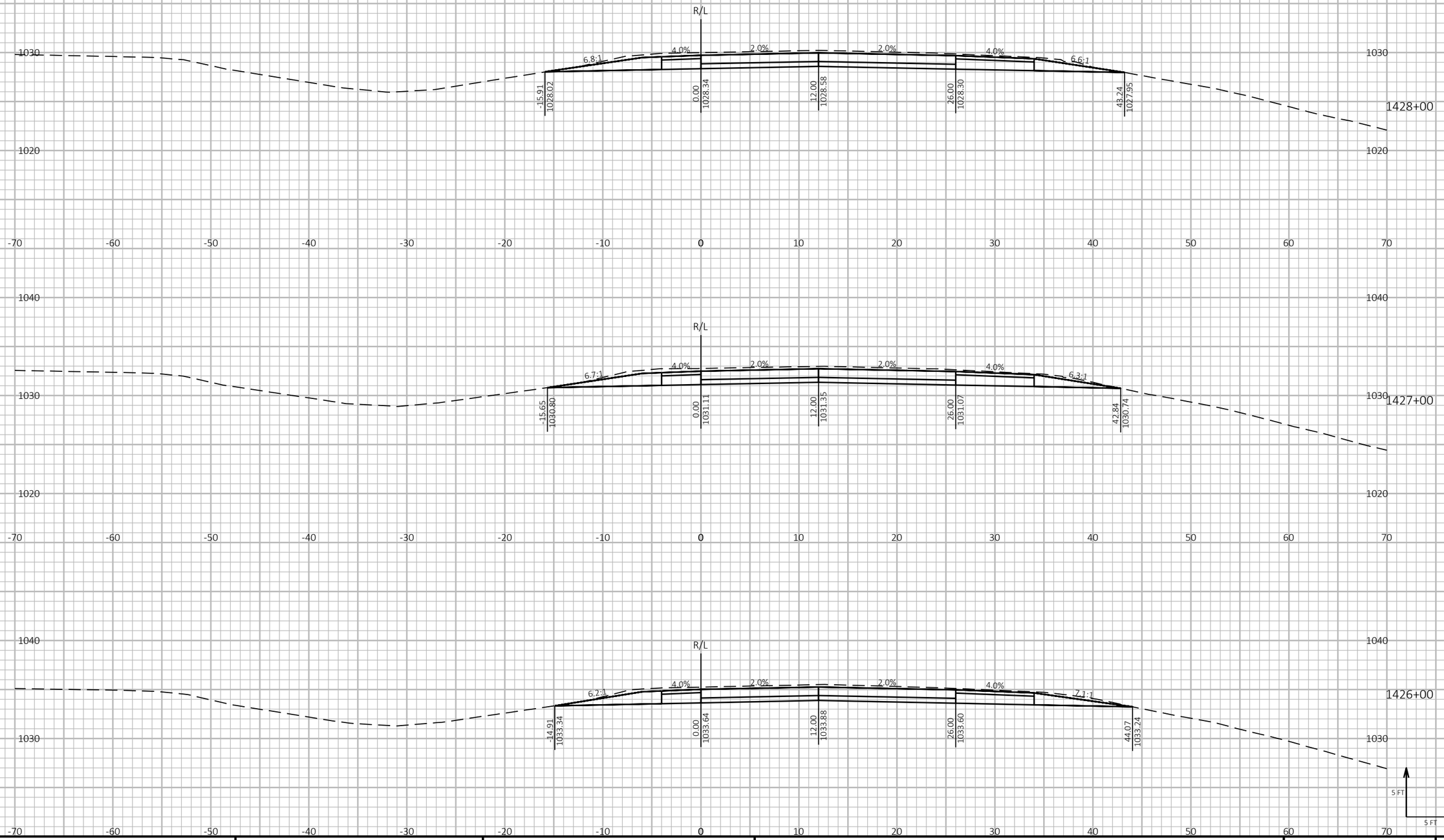
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 08

PLOT DATE : 7/26/2023 11:48 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 749	E

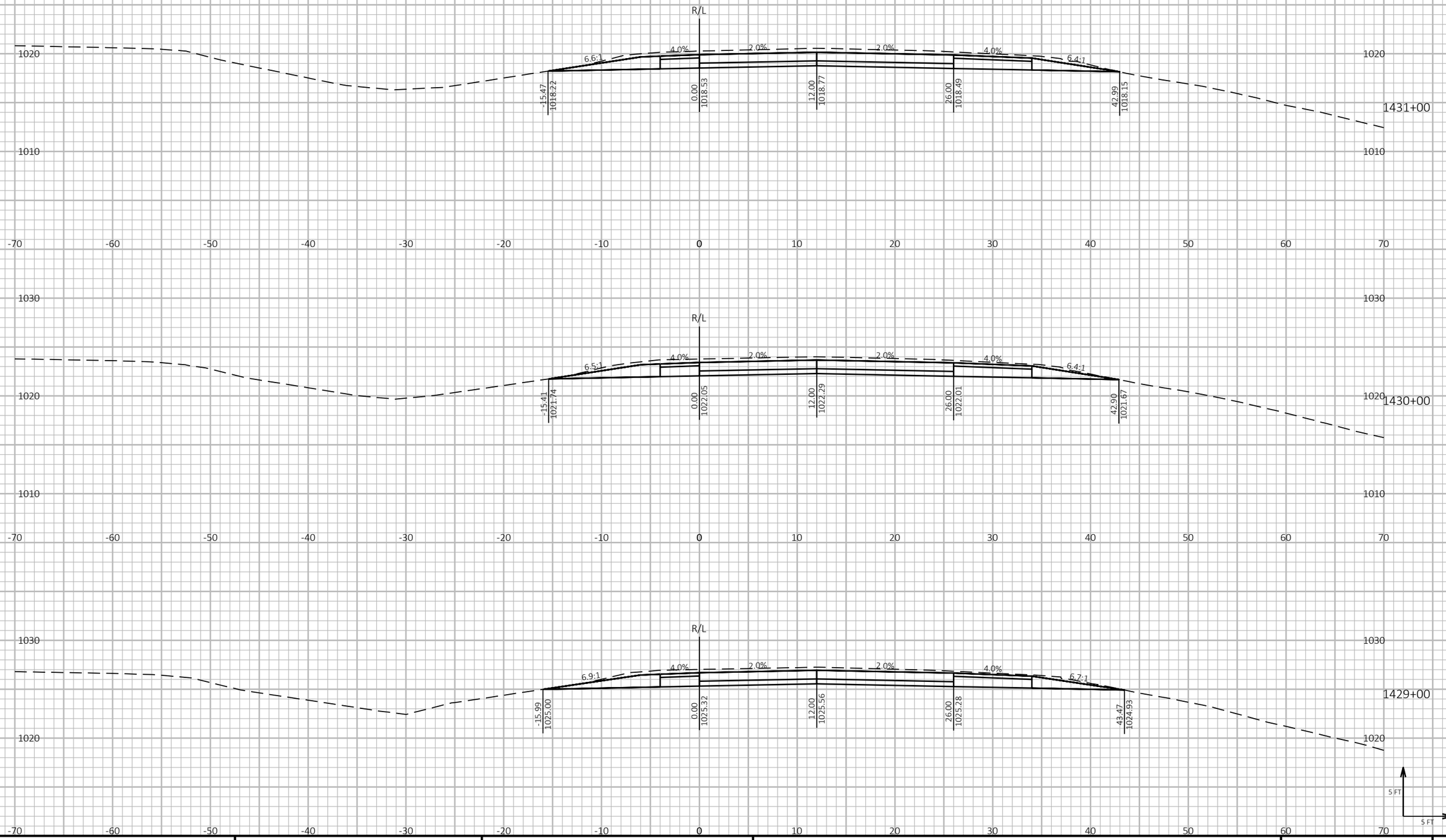
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 09

PLOT DATE : 7/26/2023 11:48 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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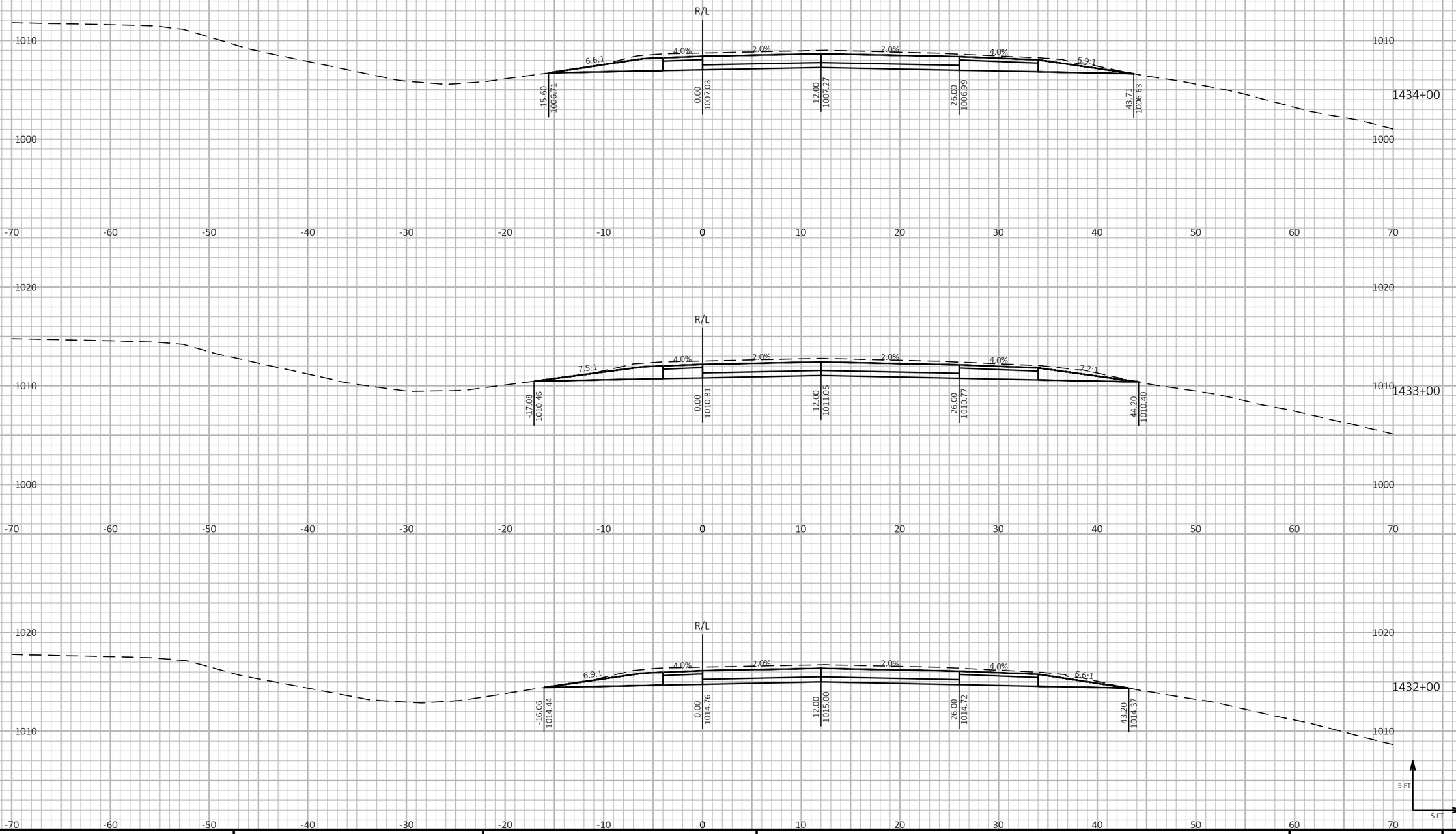
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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 750	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 10

PLOT DATE : 7/26/2023 11:48 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 751	E

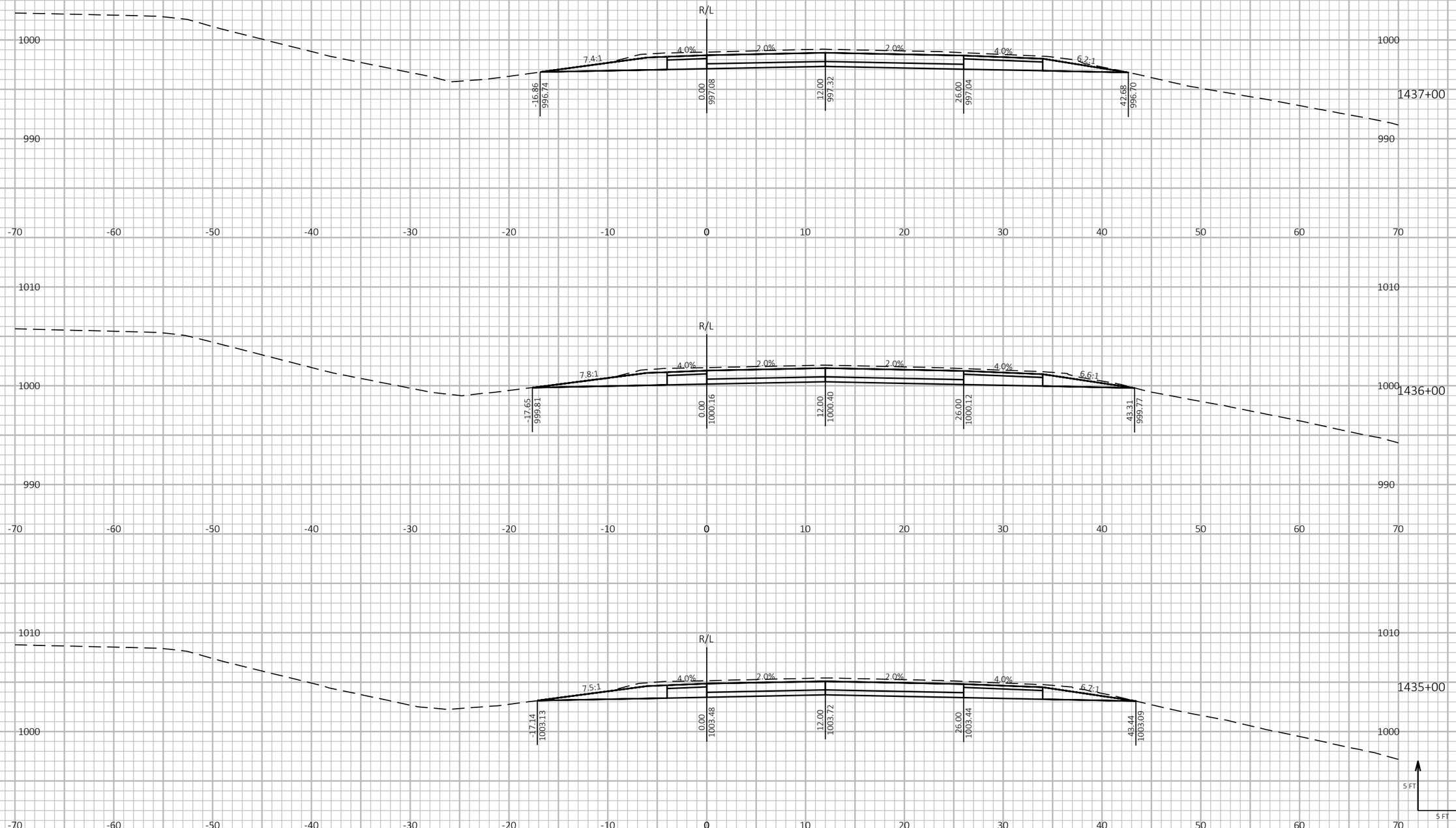
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 11

PLOT DATE : 7/26/2023 11:48 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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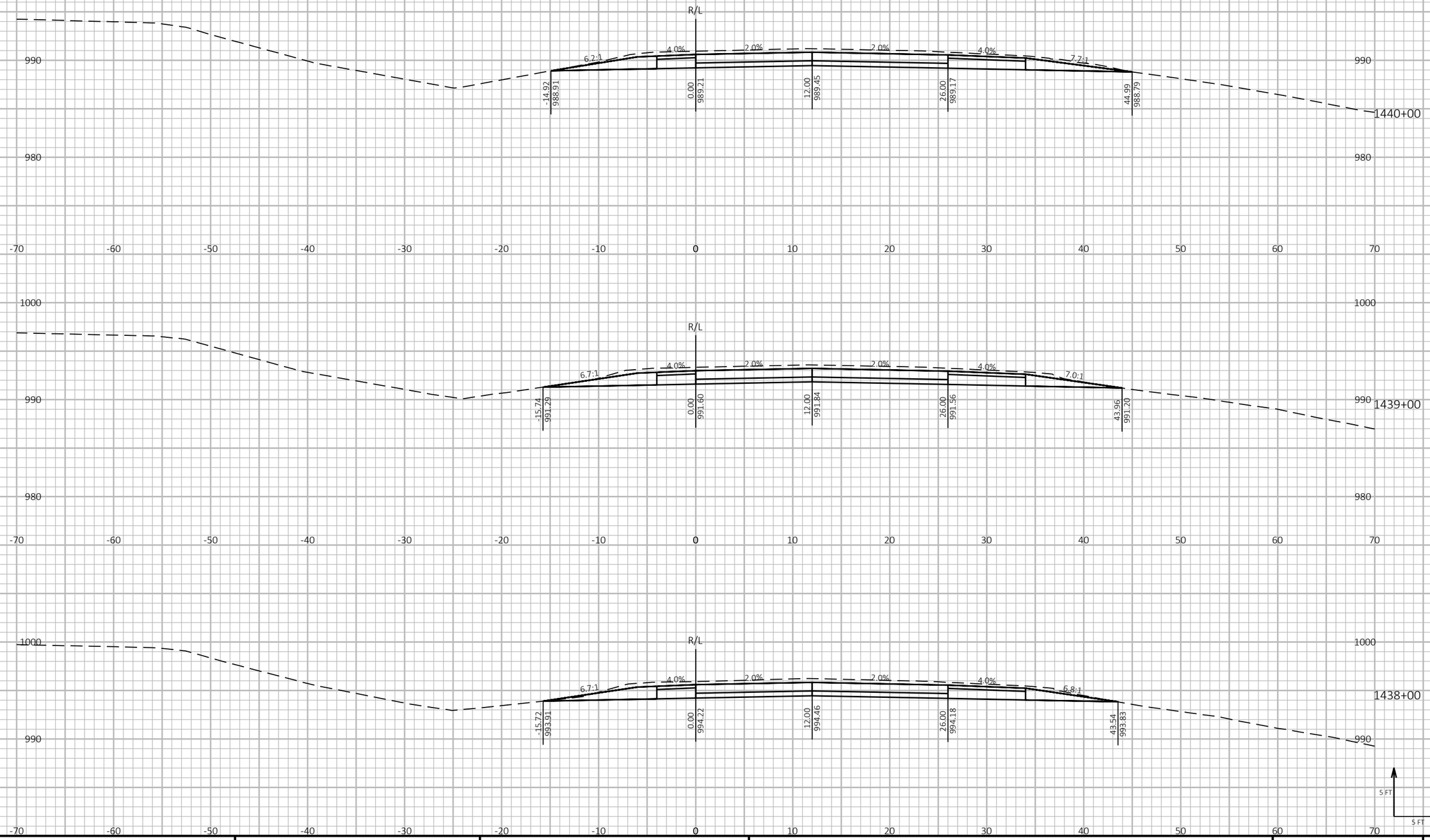
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 752	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 12

PLOT DATE : 7/26/2023 11:49 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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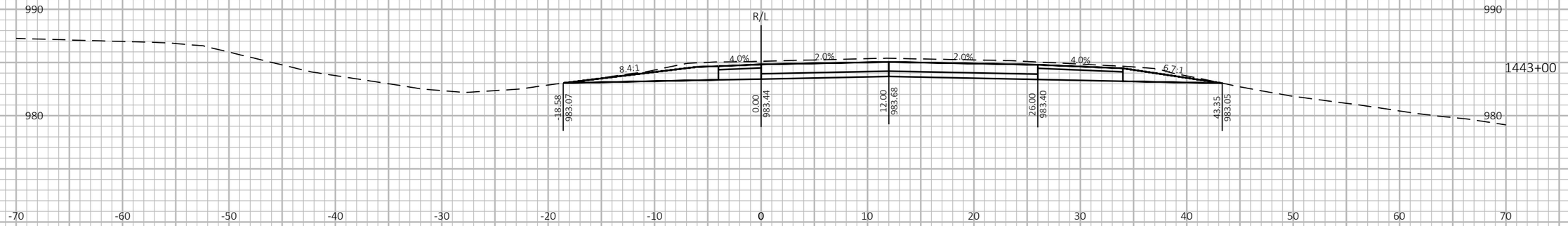
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 753	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 13

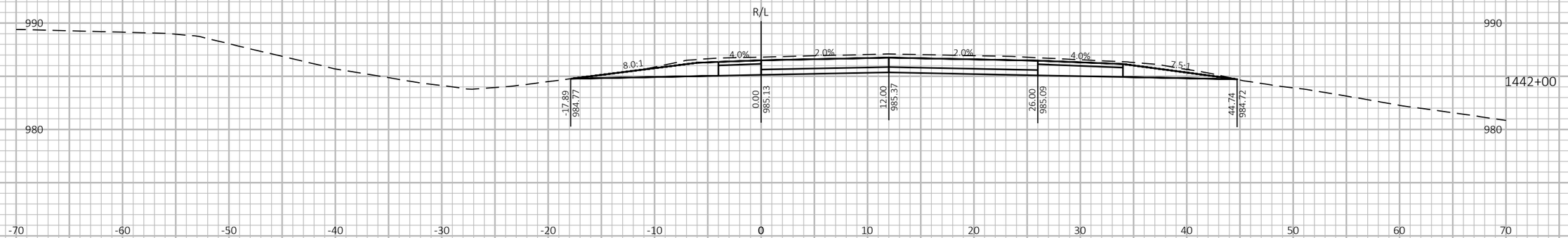
PLOT DATE : 7/26/2023 11:49 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

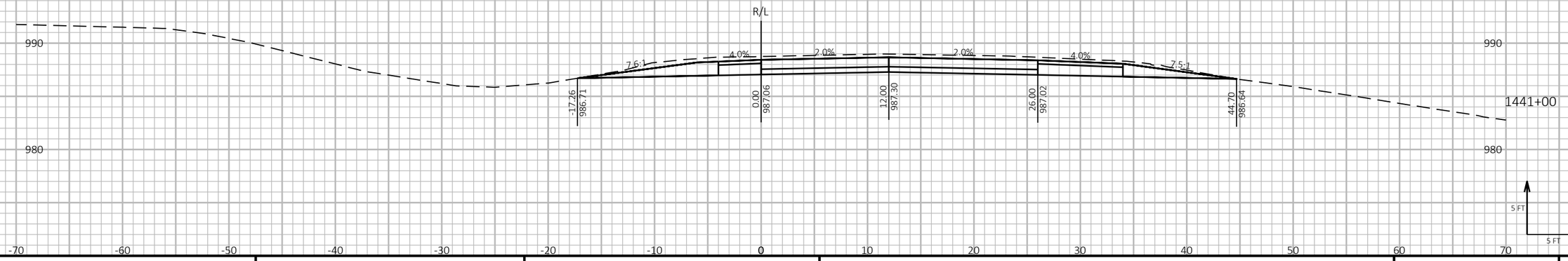
CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



1443+00



1442+00



1441+00

9 9

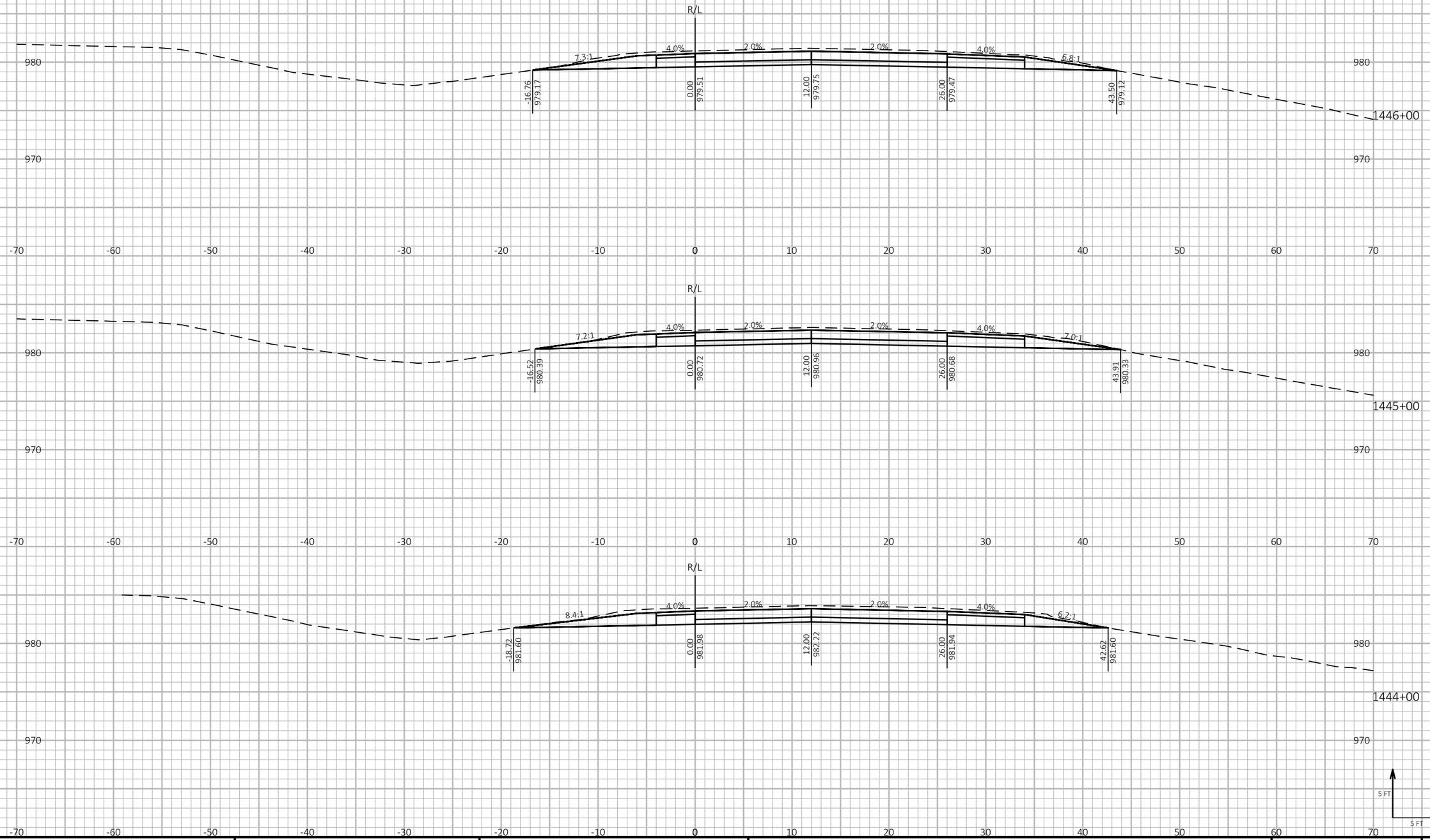
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 754	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 14

PLOT DATE : 7/26/2023 11:49 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 755	E

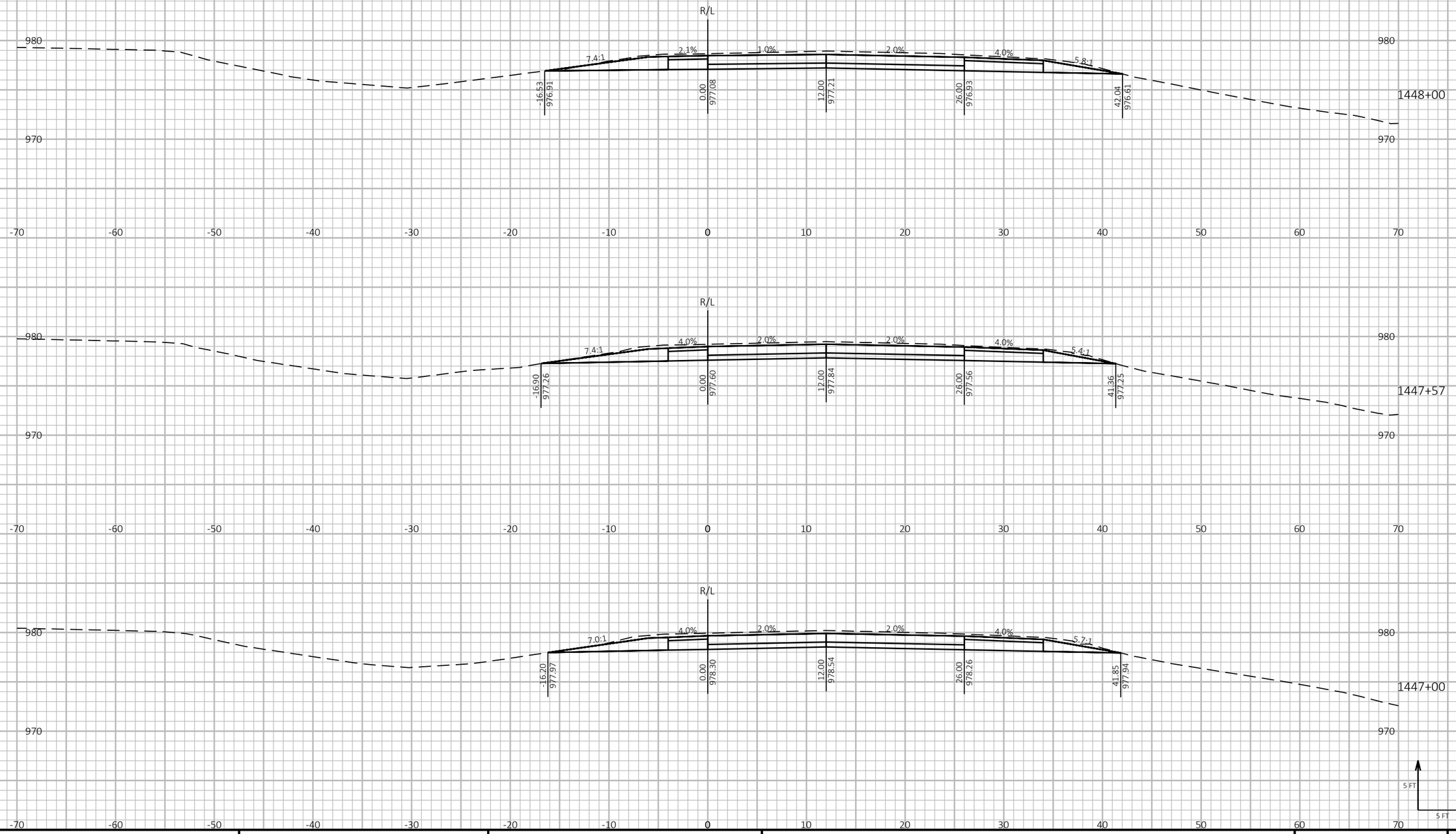
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 15

PLOT DATE : 7/26/2023 11:49 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 756	E

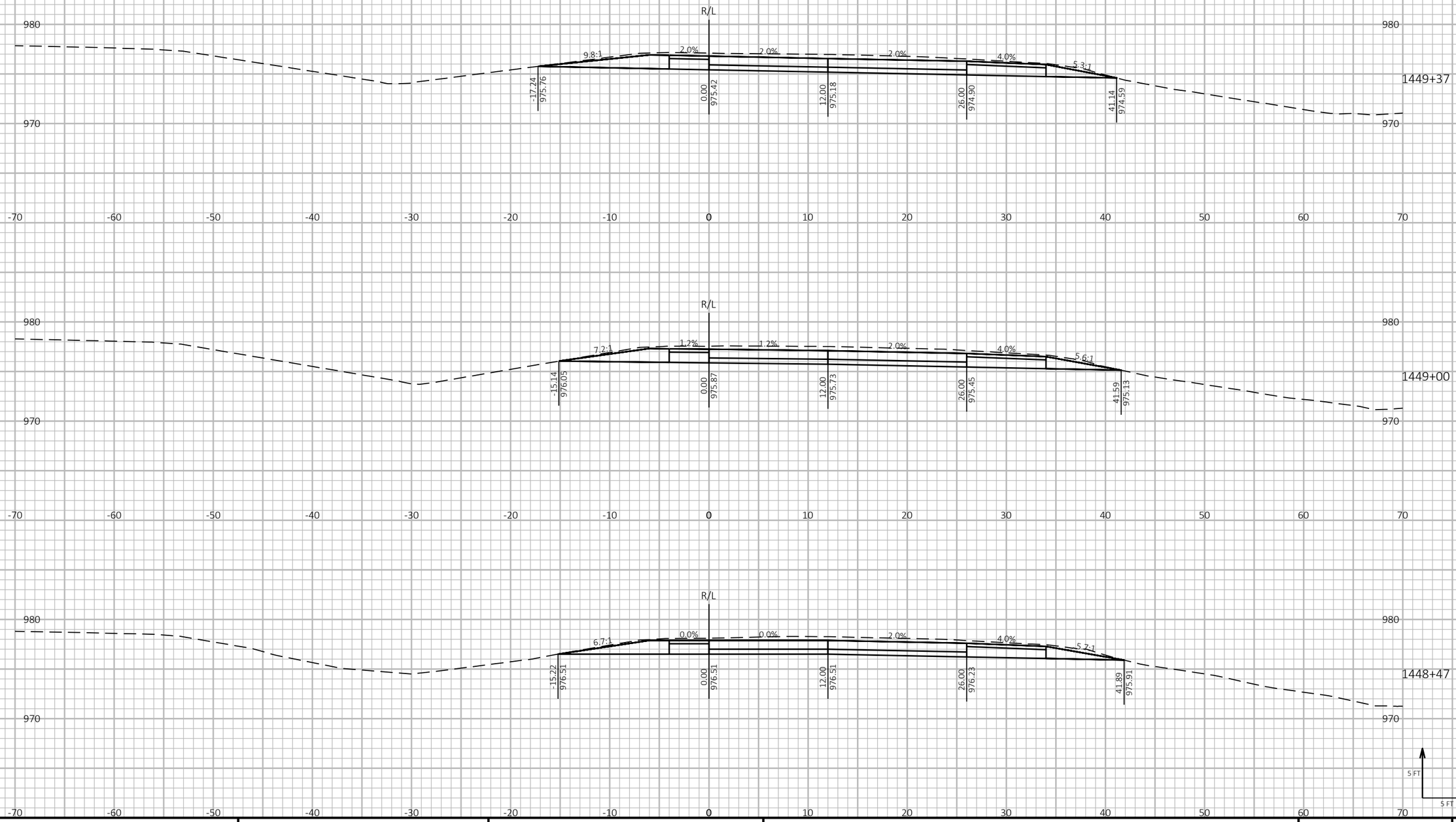
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 16

PLOT DATE : 7/26/2023 11:49 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 757	E

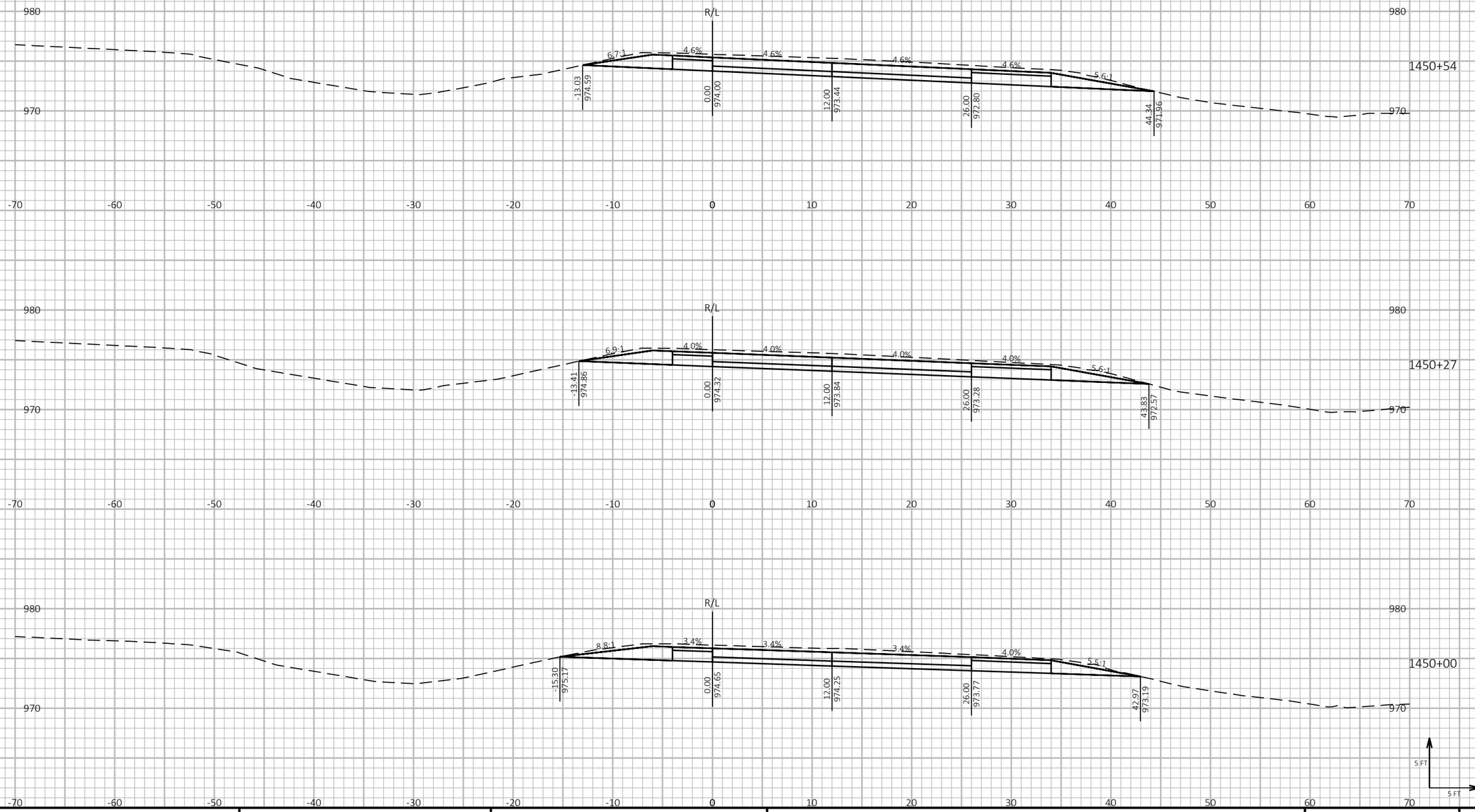
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LAYOUT NAME - 17

PLOT DATE : 7/26/2023 11:49 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 758	E

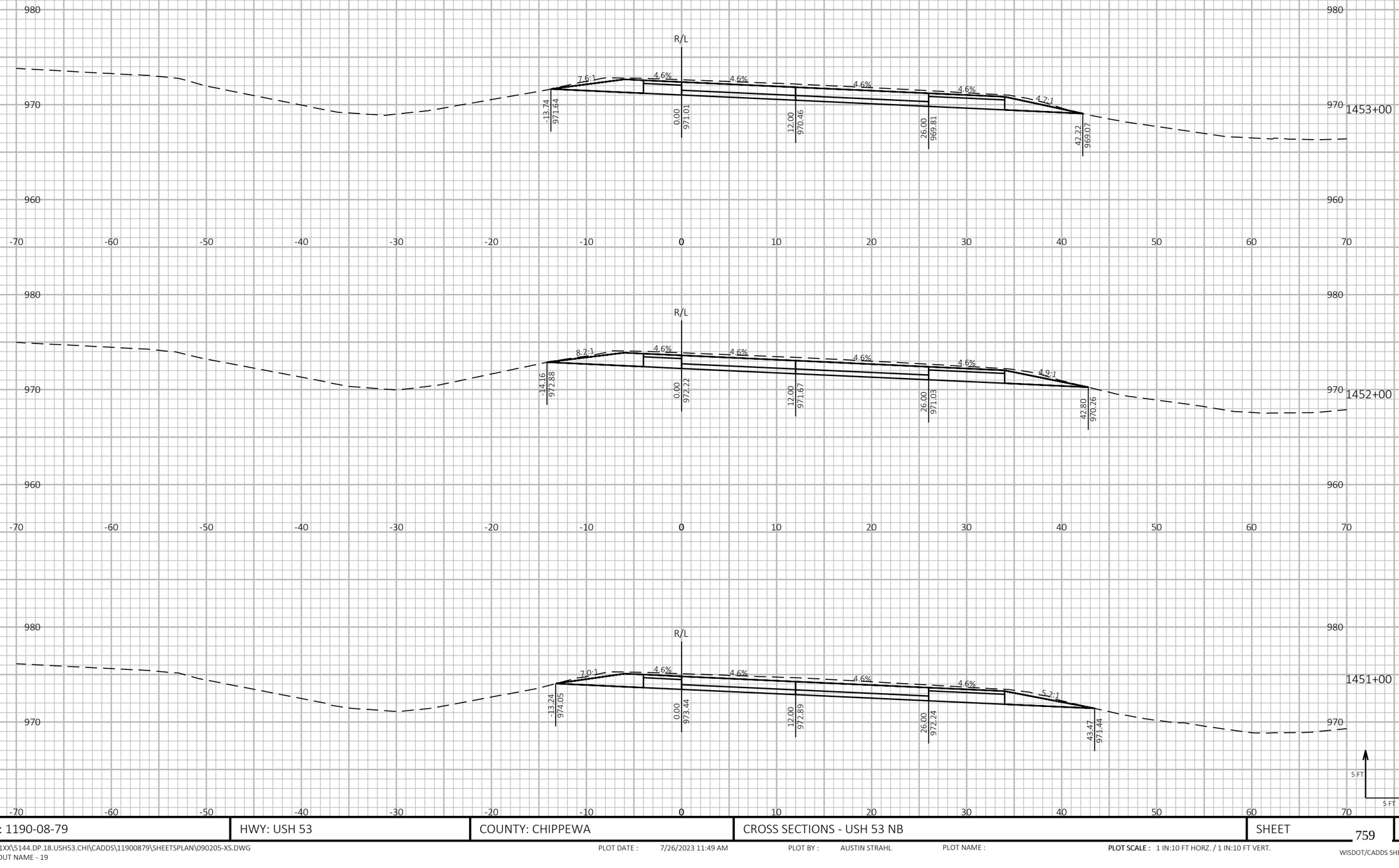
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LAYOUT NAME - 18

PLOT DATE : 7/26/2023 11:49 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 759	E

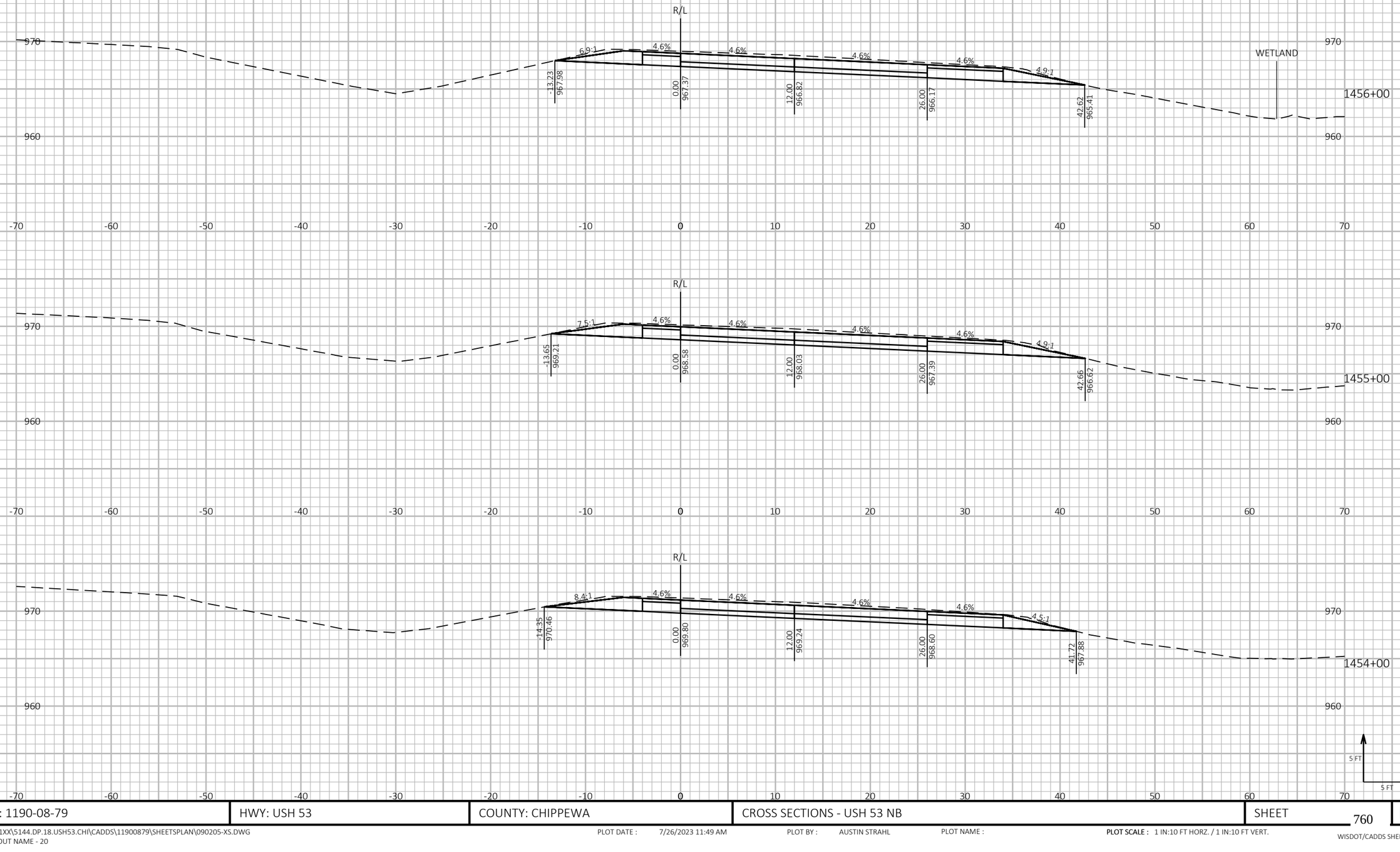
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 19

PLOT DATE : 7/26/2023 11:49 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



9 9

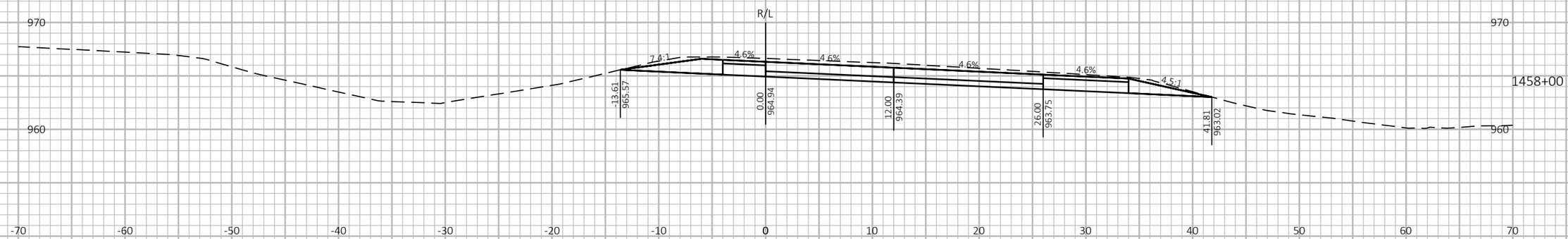
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 760	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 20

PLOT DATE : 7/26/2023 11:49 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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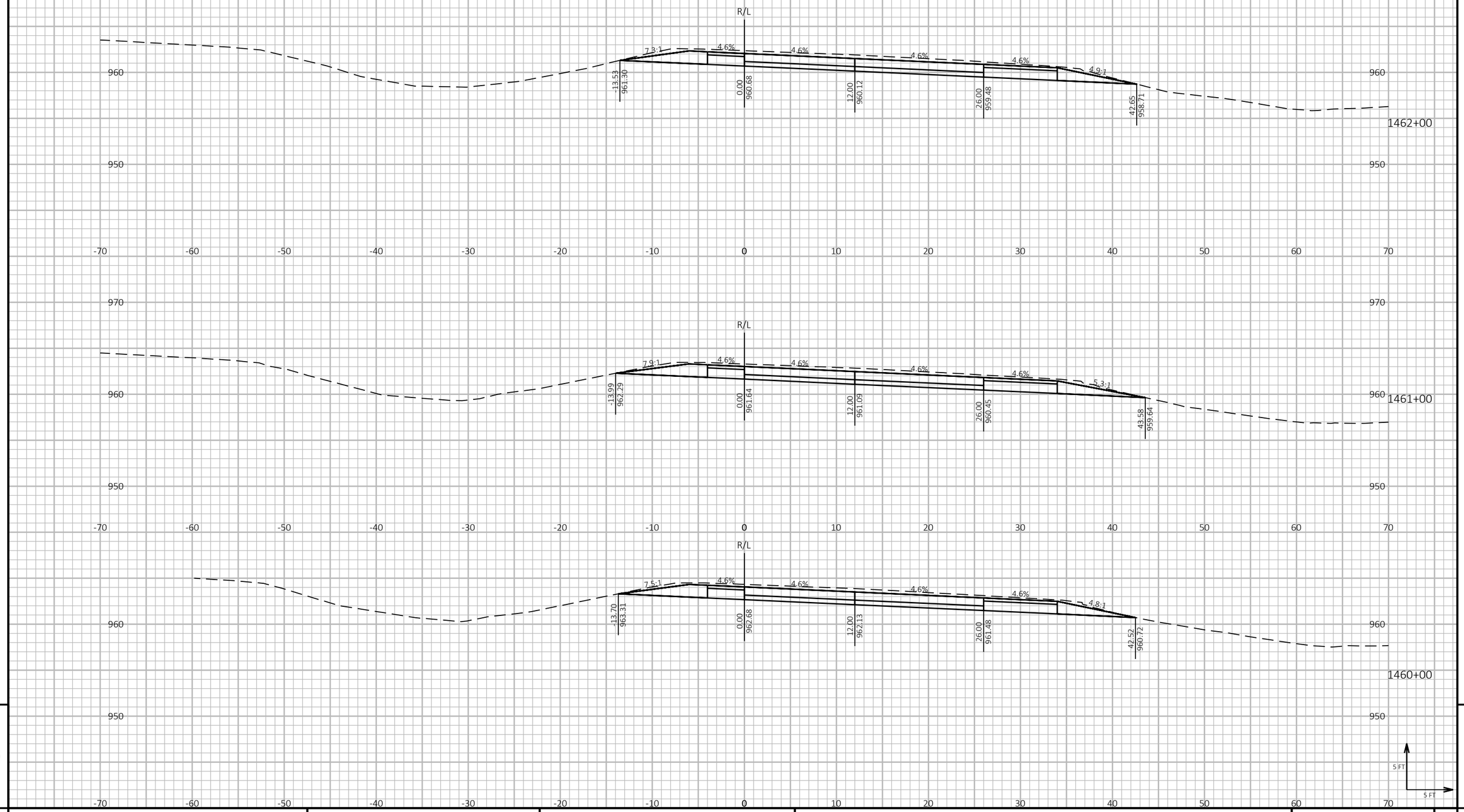
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 761	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 21

PLOT DATE : 7/26/2023 11:49 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 762	E

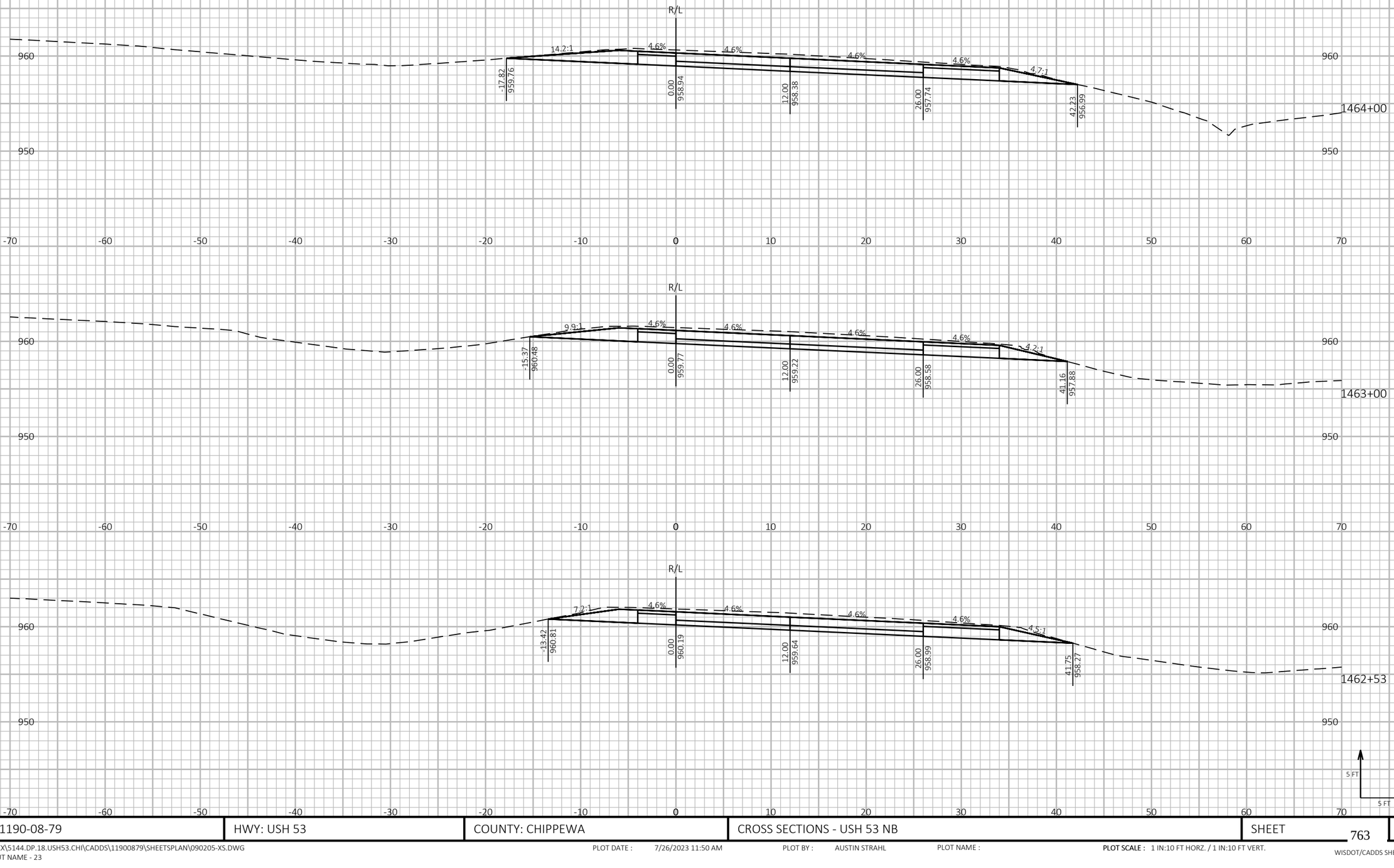
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 22

PLOT DATE : 7/26/2023 11:49 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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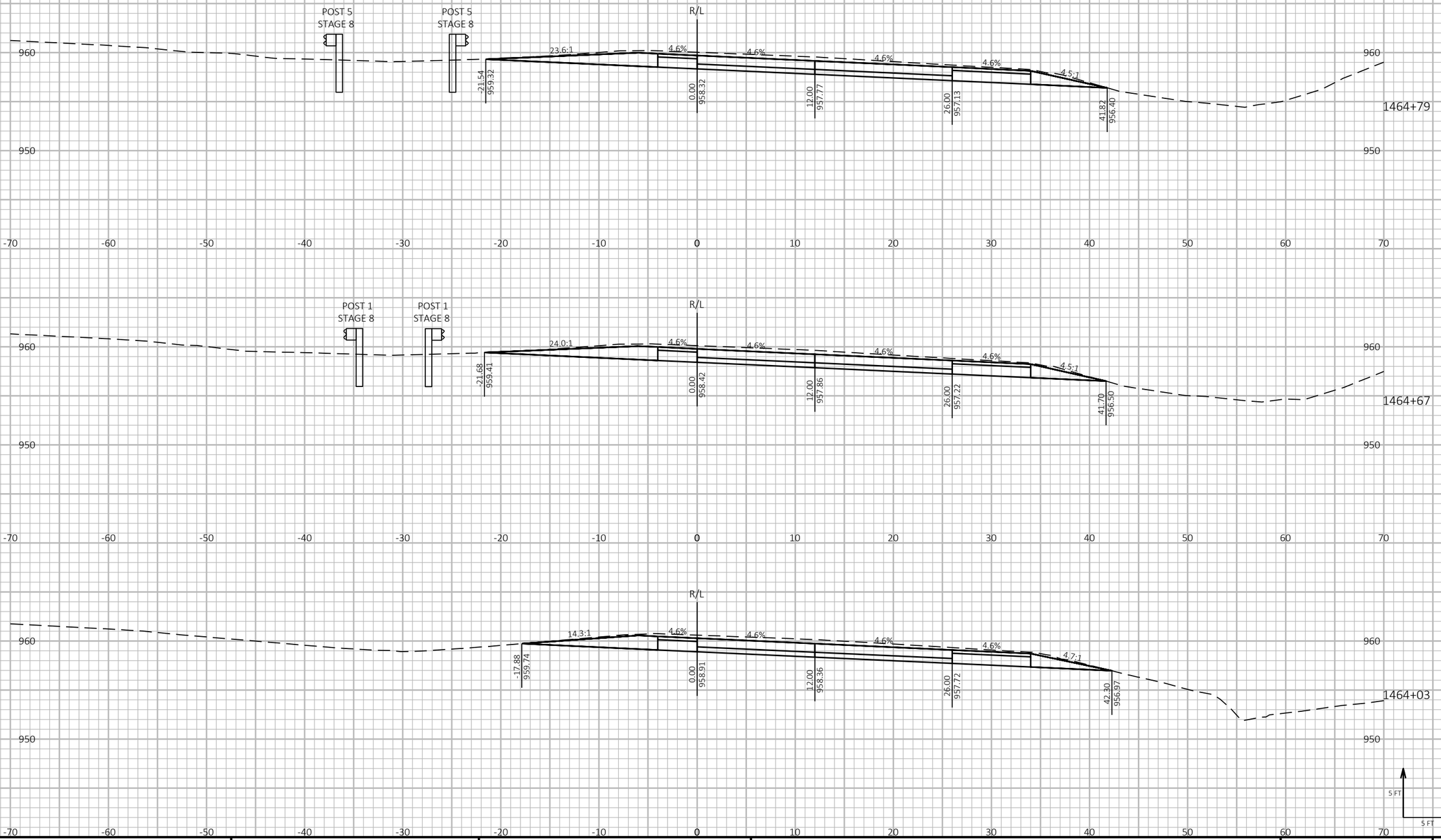
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 763	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 23

PLOT DATE : 7/26/2023 11:50 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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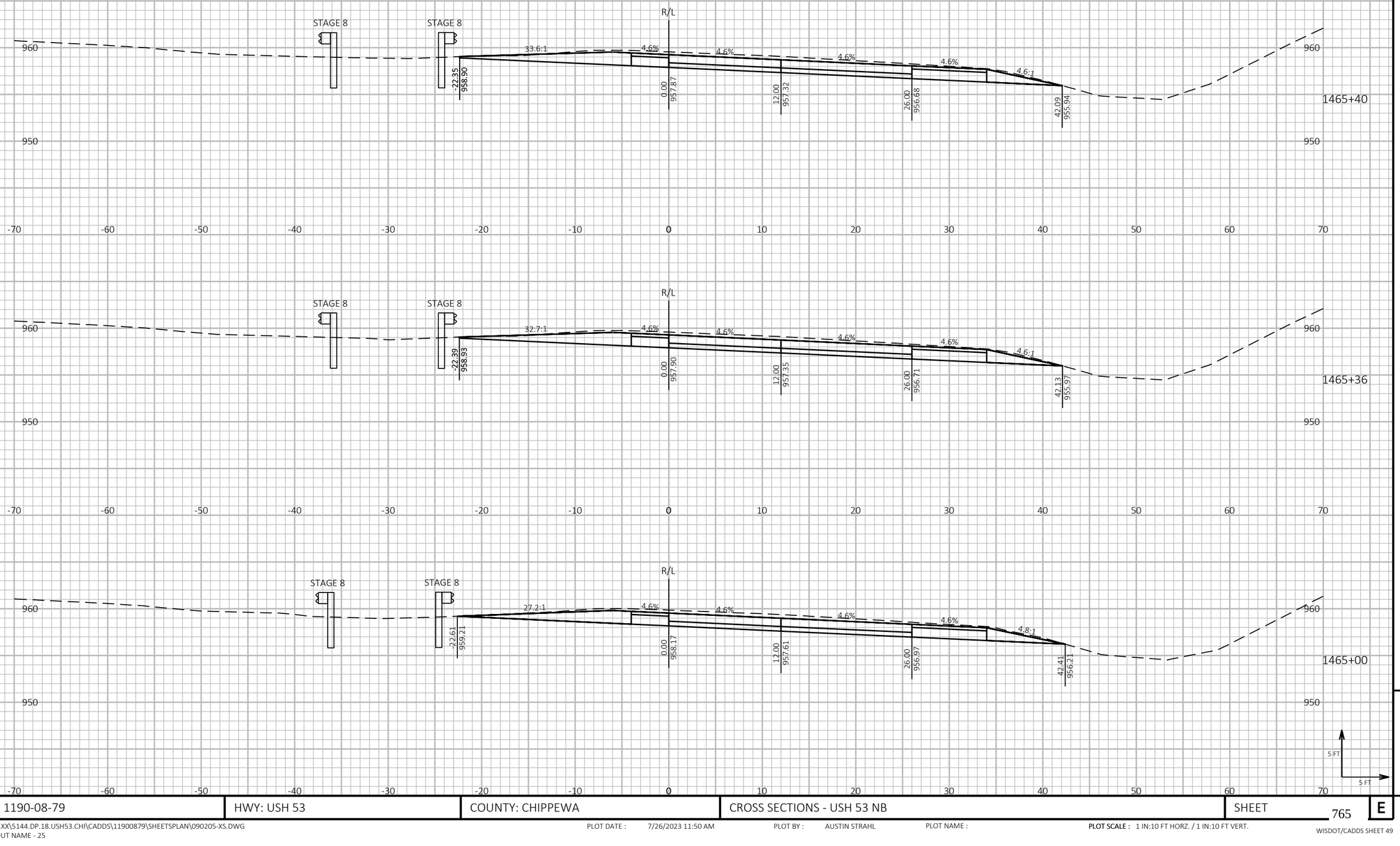
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 764	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 24

PLOT DATE : 7/26/2023 11:50 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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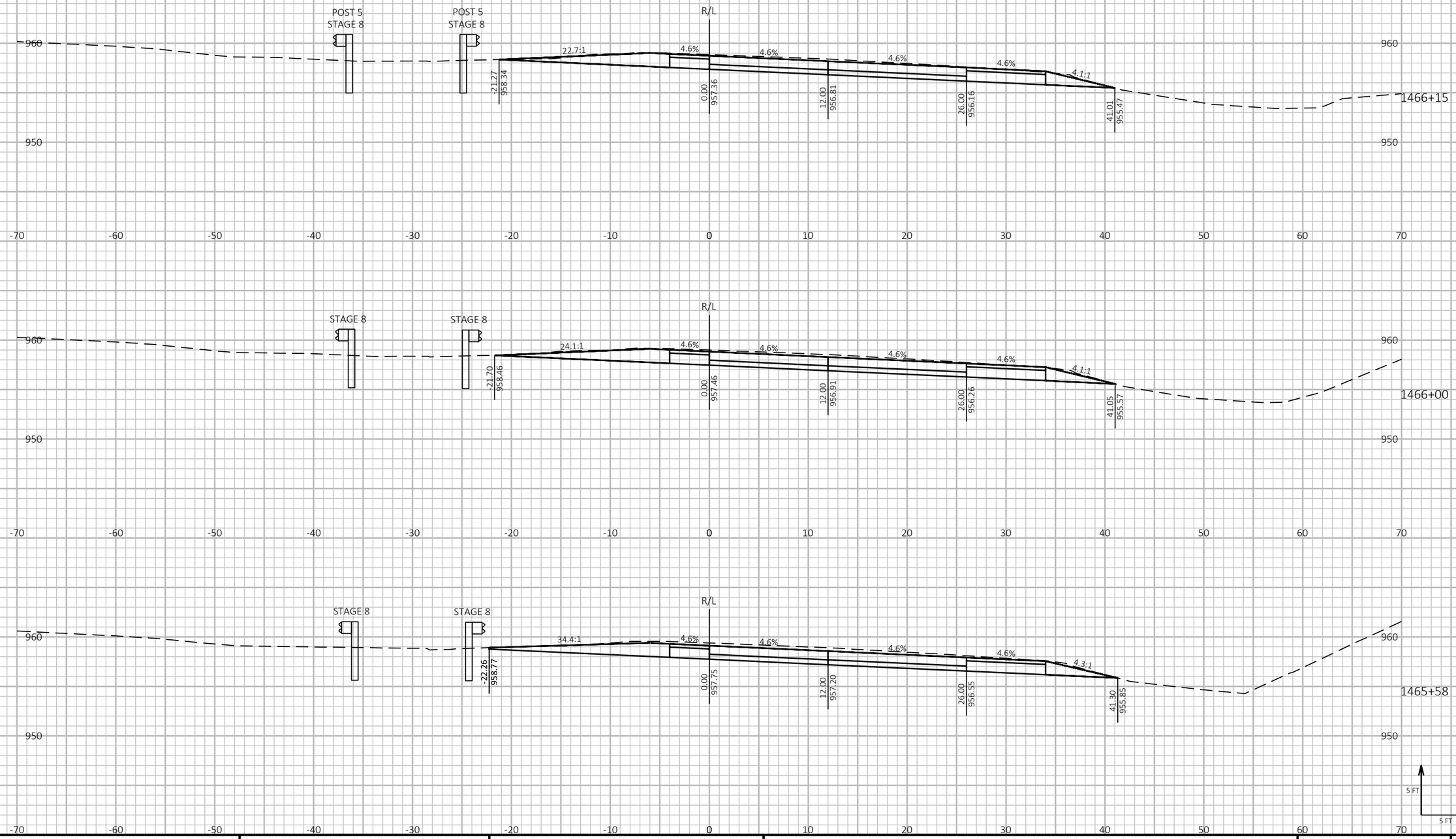
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 765	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 25

PLOT DATE : 7/26/2023 11:50 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 766	E

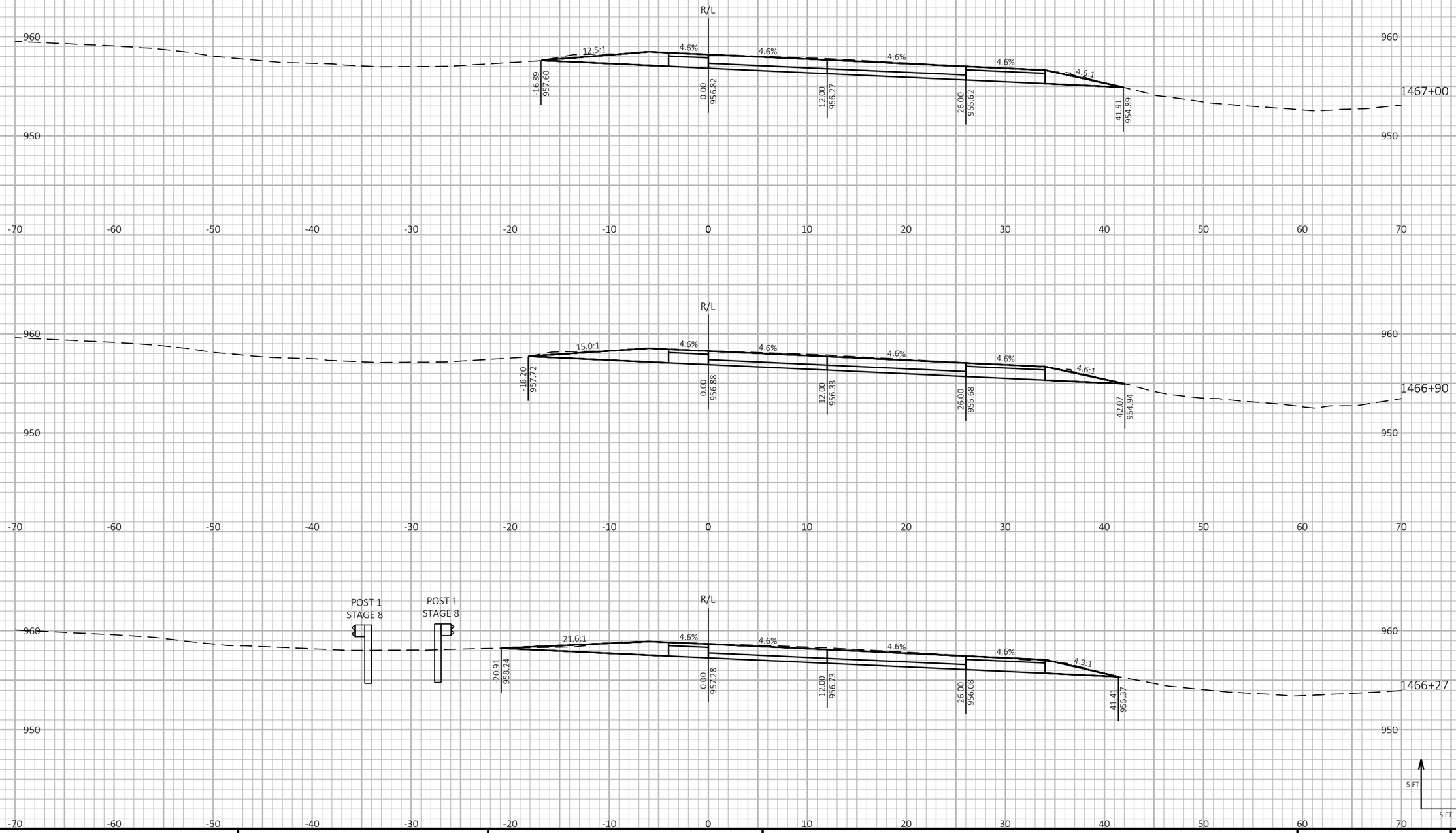
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 26

PLOT DATE : 7/26/2023 11:50 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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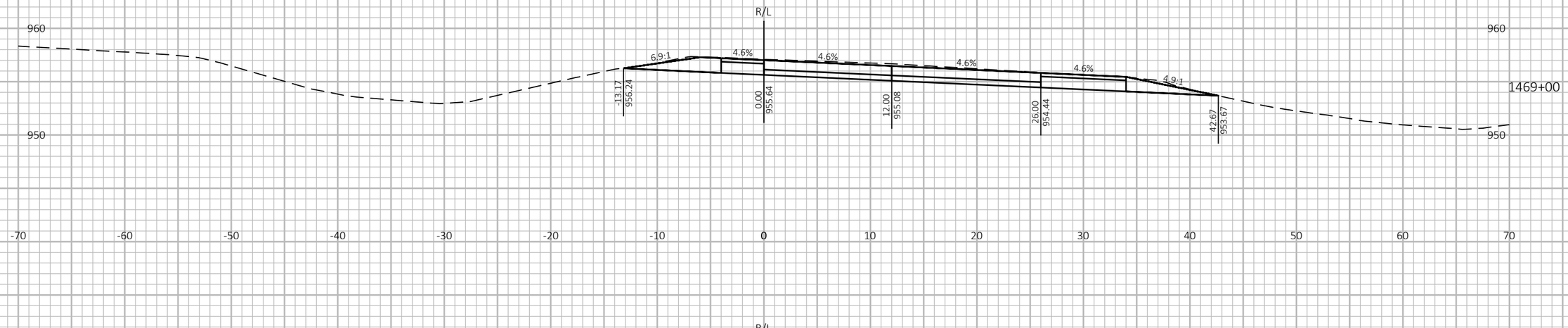
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 767	E

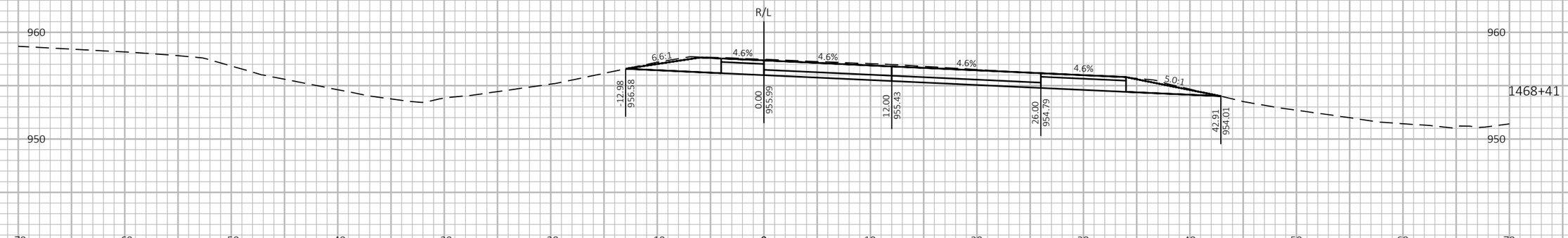
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 27

PLOT DATE : 7/26/2023 11:50 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 768	E

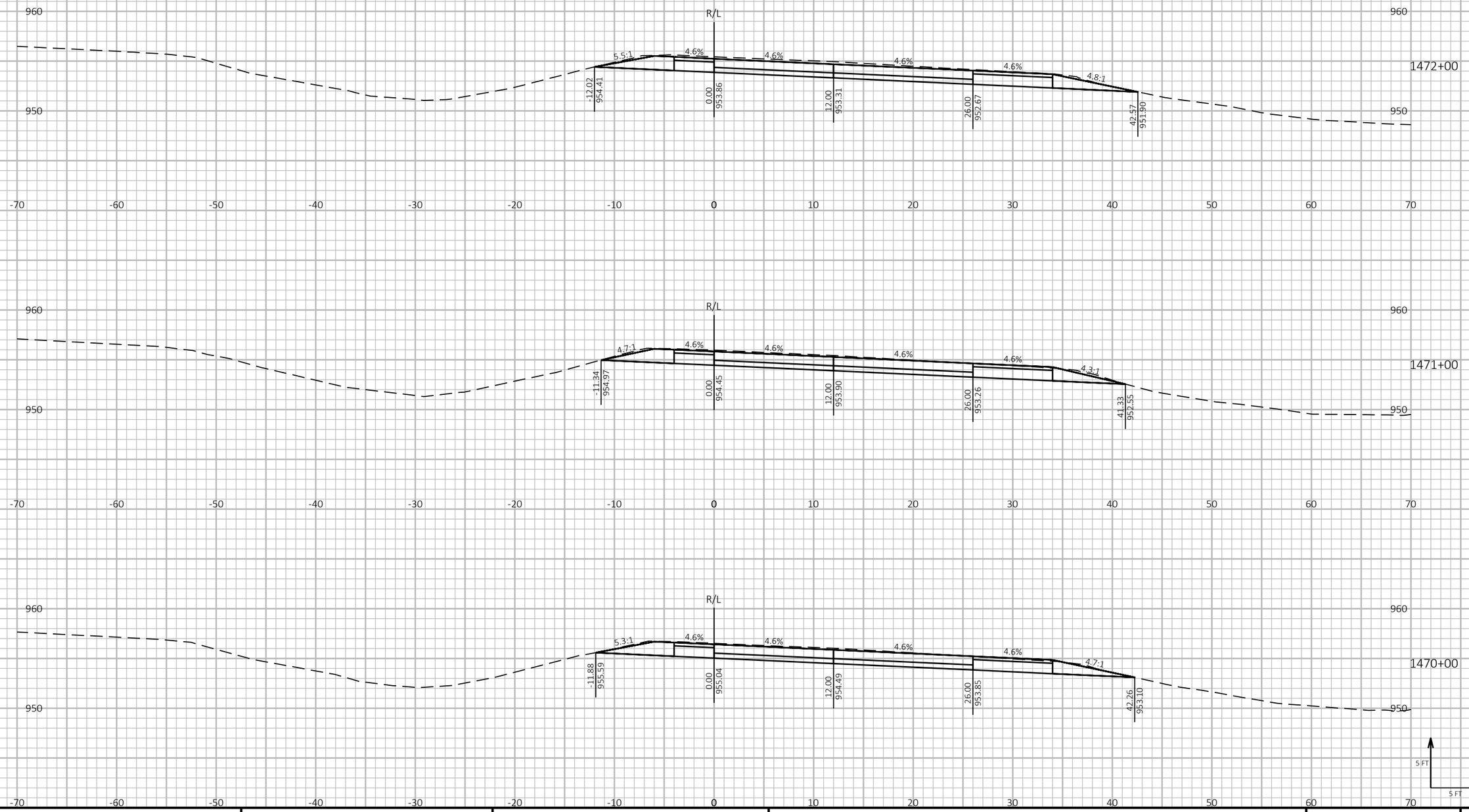
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 28

PLOT DATE : 7/26/2023 11:50 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 769	E

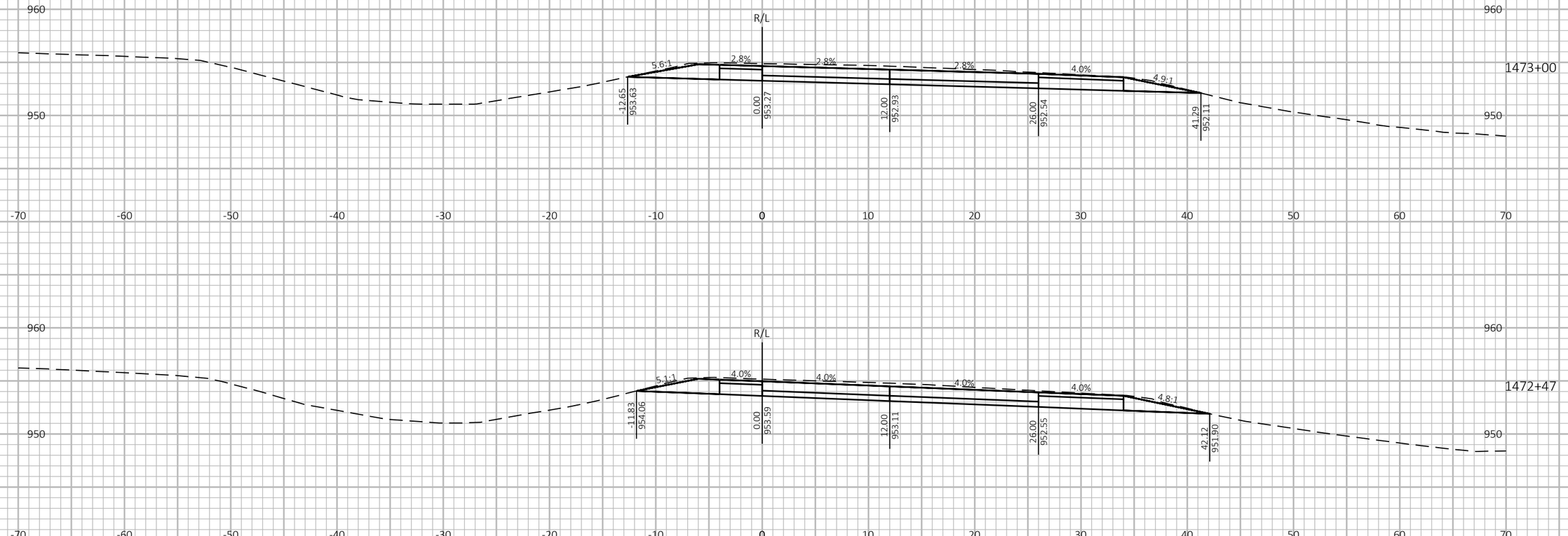
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 29

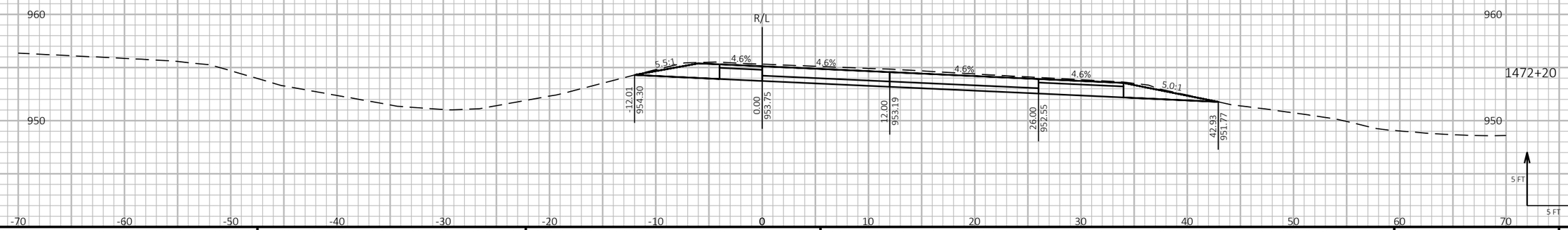
PLOT DATE : 7/26/2023 11:50 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT





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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 770	E

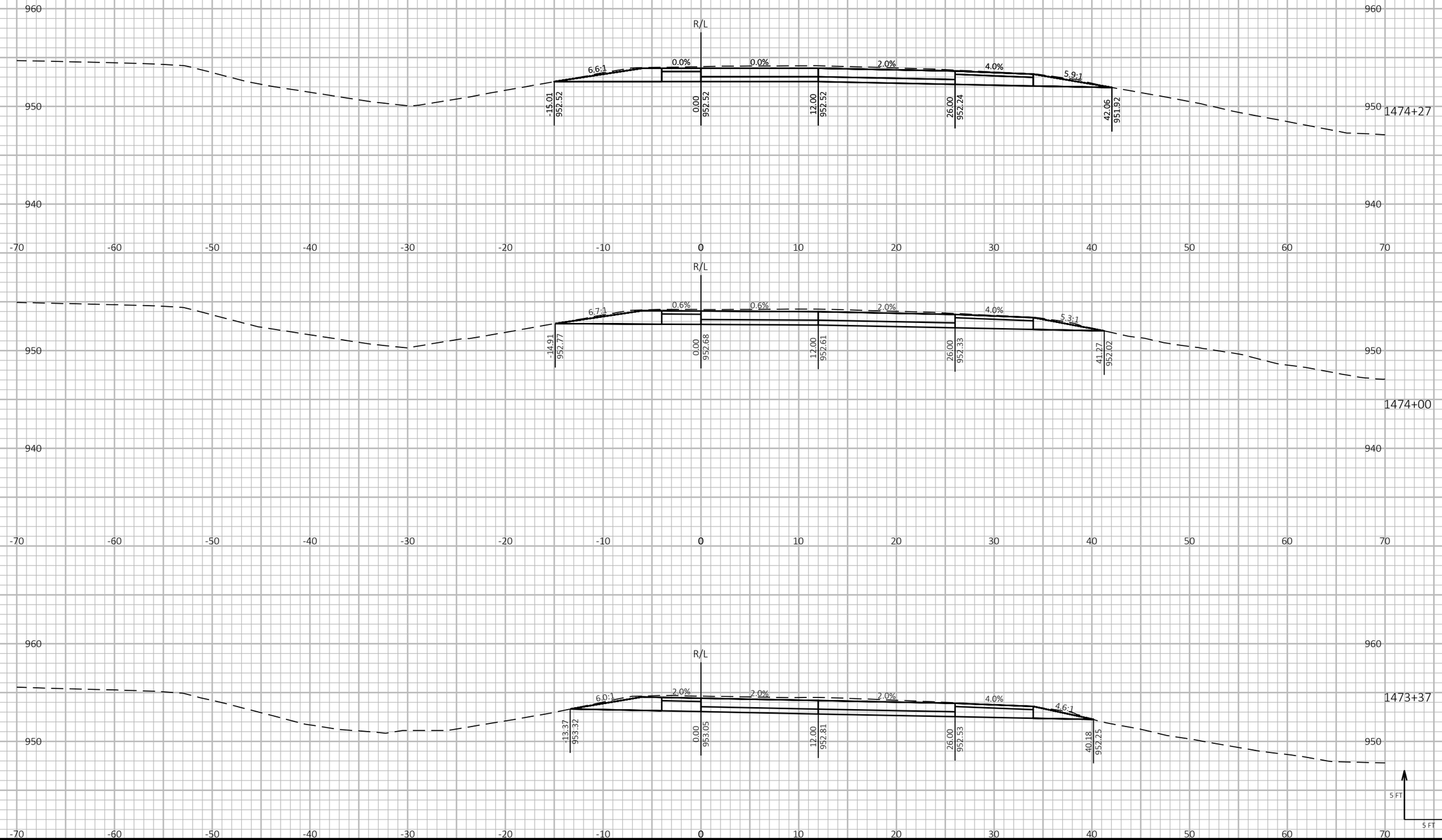
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 30

PLOT DATE : 7/26/2023 11:50 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 771	E

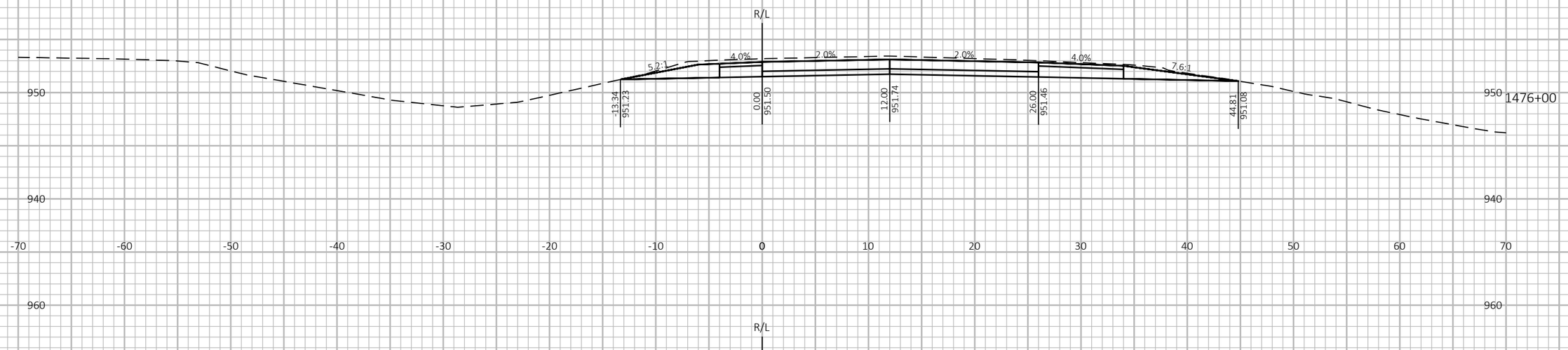
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 31

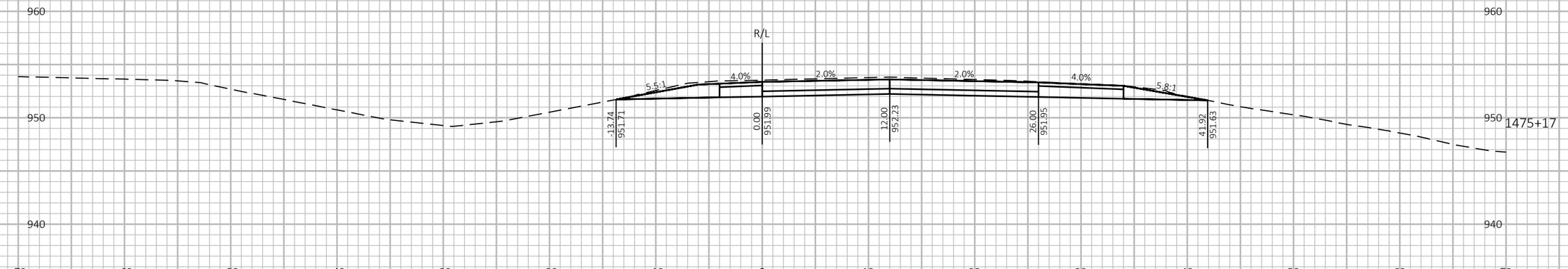
PLOT DATE : 7/26/2023 11:50 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

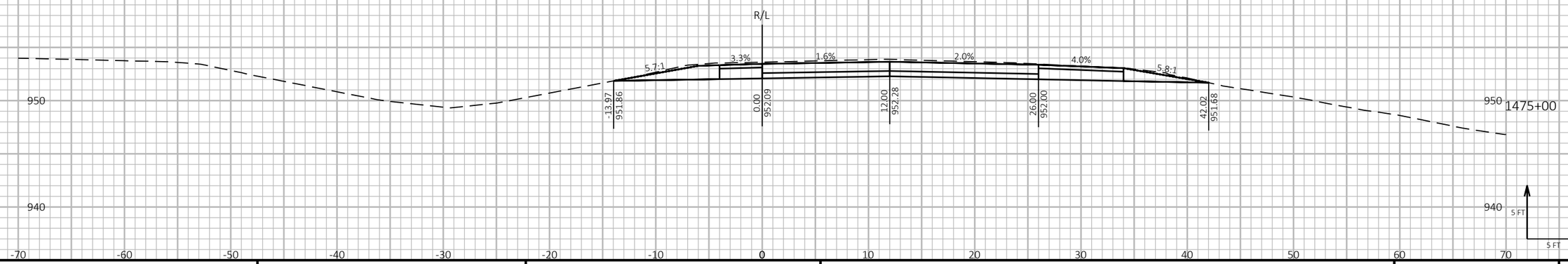
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 772	E

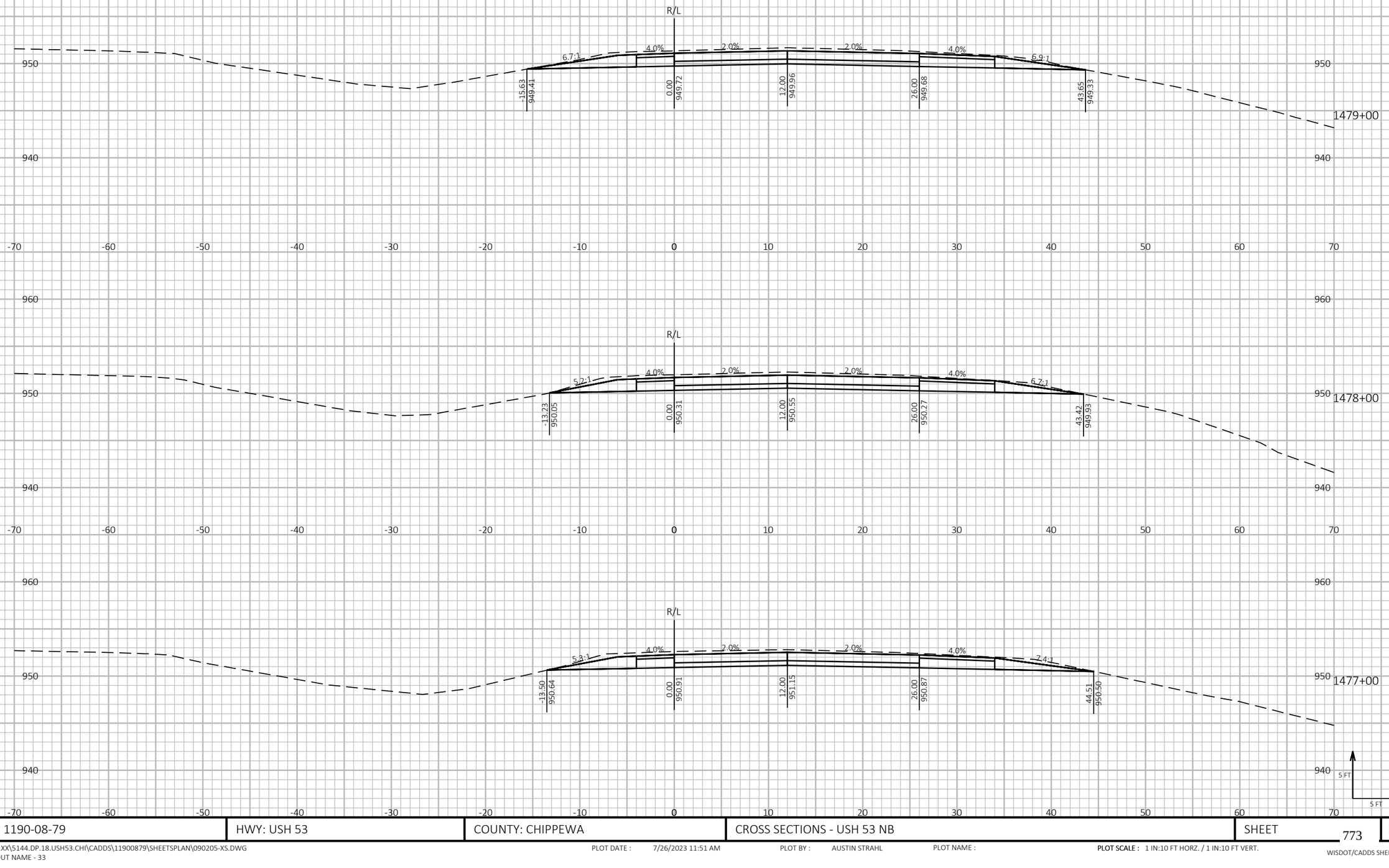
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 32

PLOT DATE : 7/26/2023 11:51 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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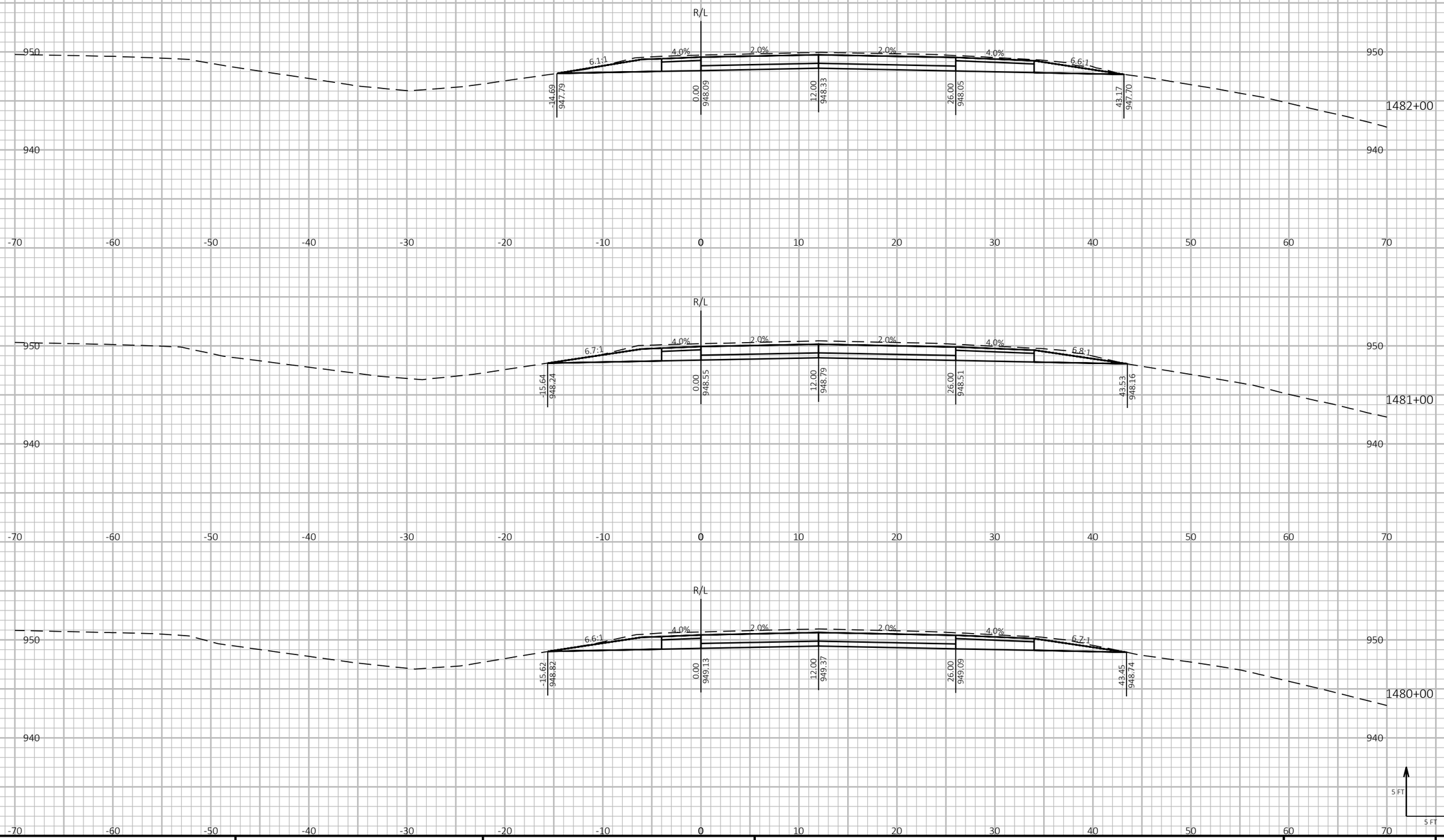
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 773	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 33

PLOT DATE : 7/26/2023 11:51 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 774	E

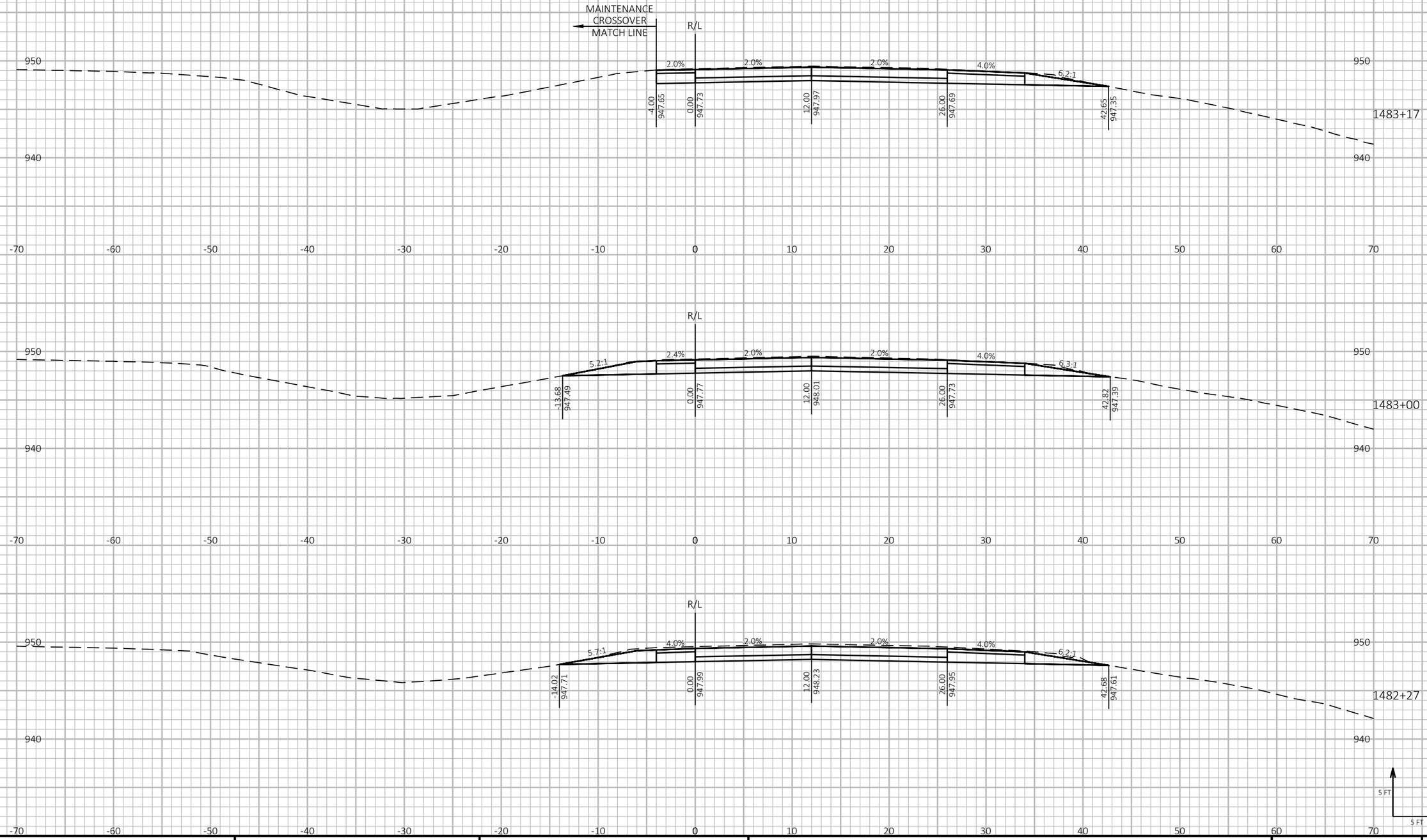
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 34

PLOT DATE : 7/26/2023 11:51 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 775	E

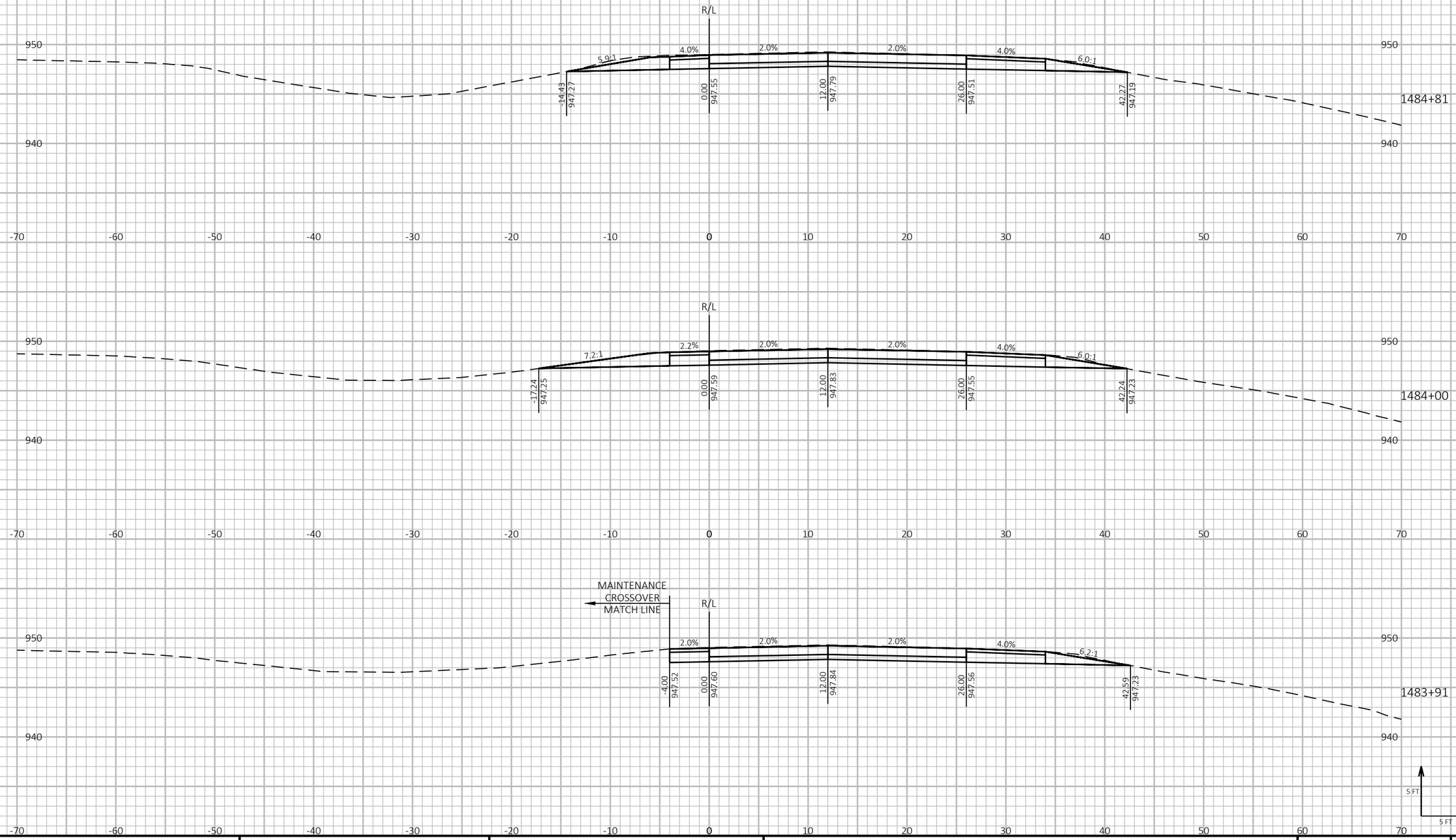
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 35

PLOT DATE : 7/26/2023 11:51 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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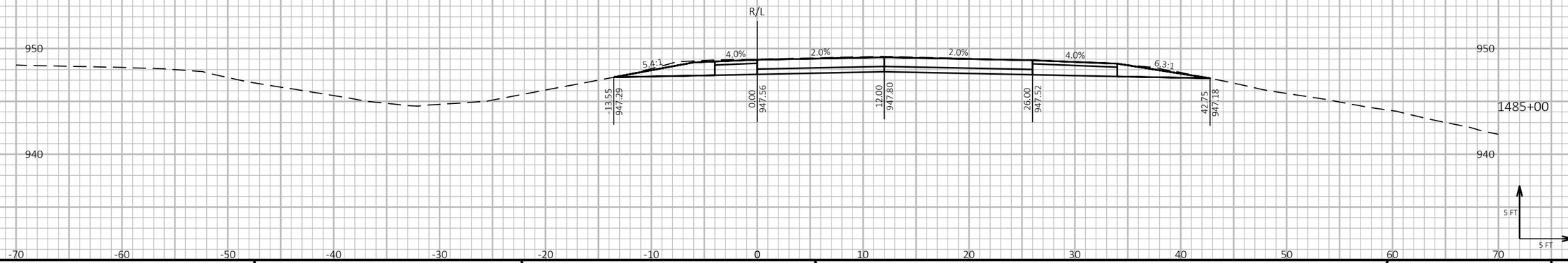
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 776	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 36

PLOT DATE : 7/26/2023 11:51 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 777	E

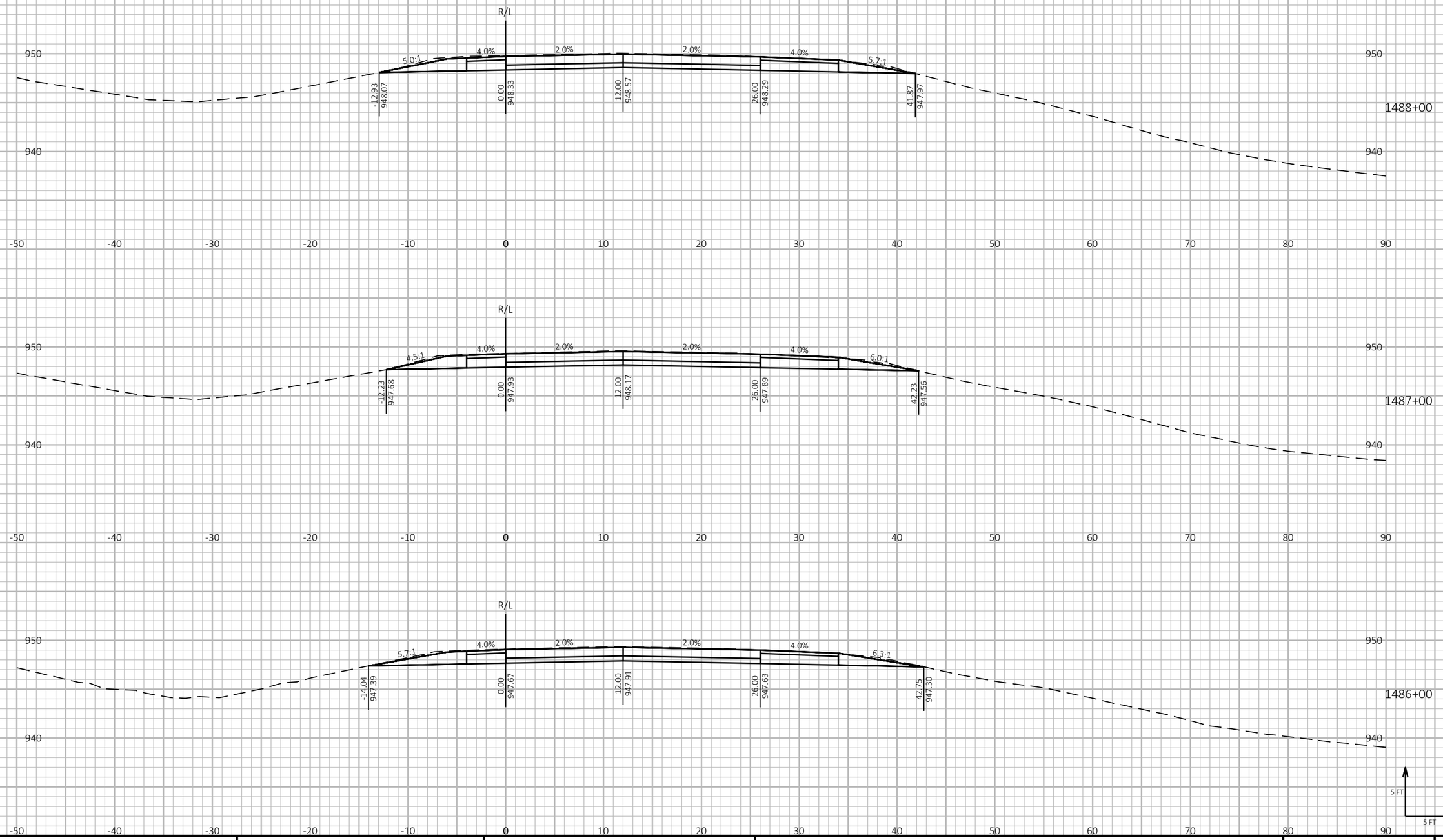
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 37

PLOT DATE : 7/26/2023 11:51 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 778	E

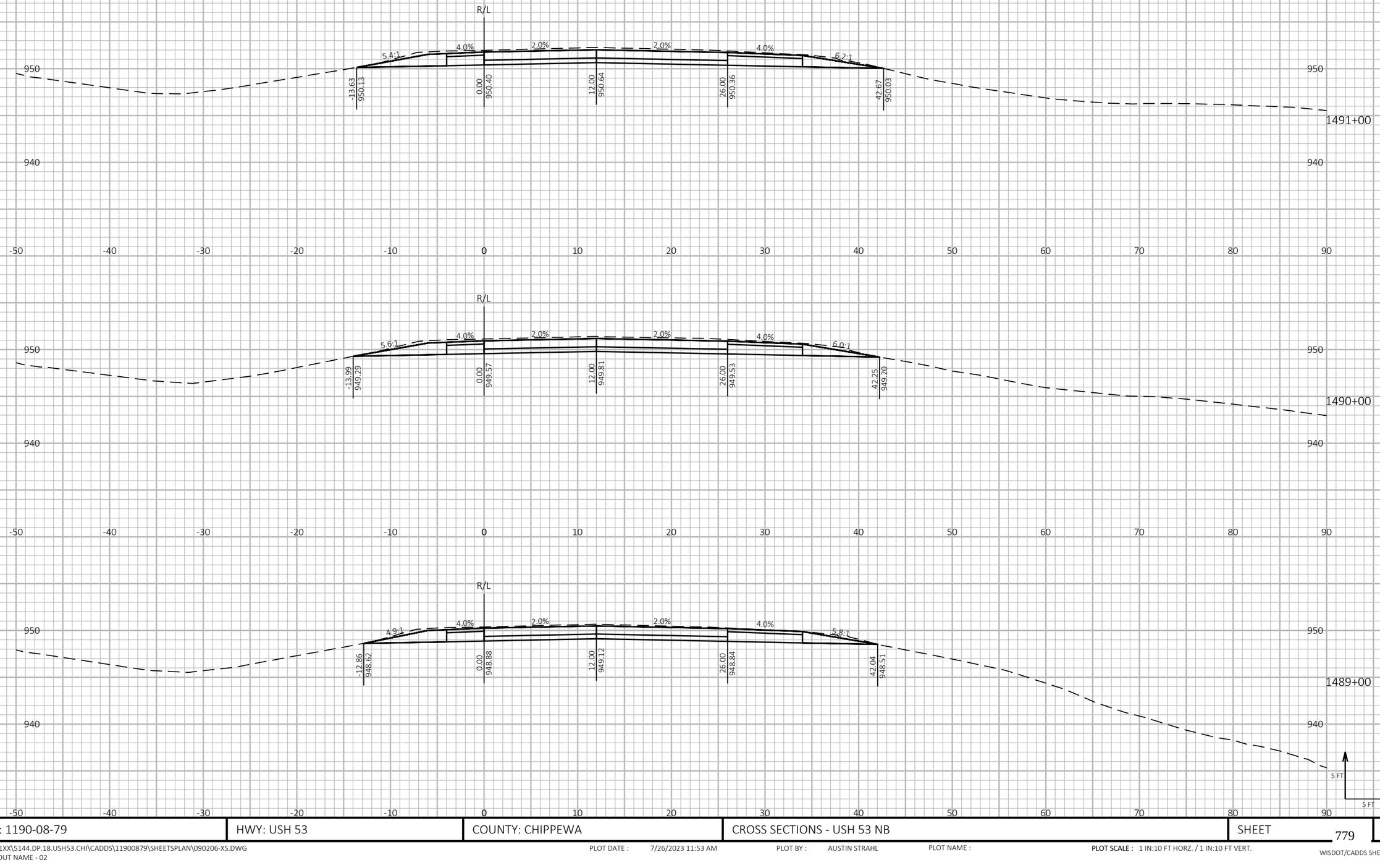
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 11:53 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



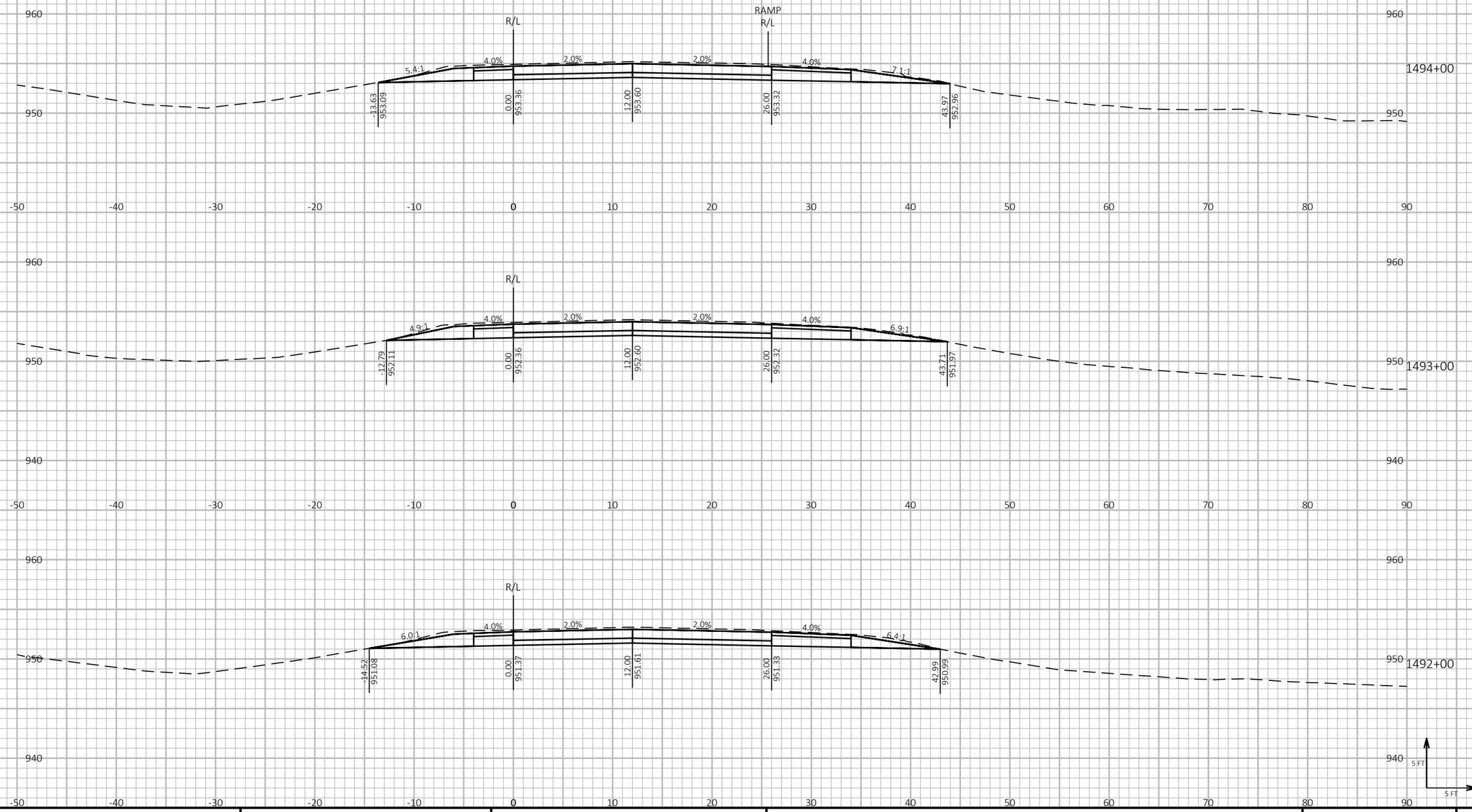
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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 779	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/26/2023 11:53 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 780	E

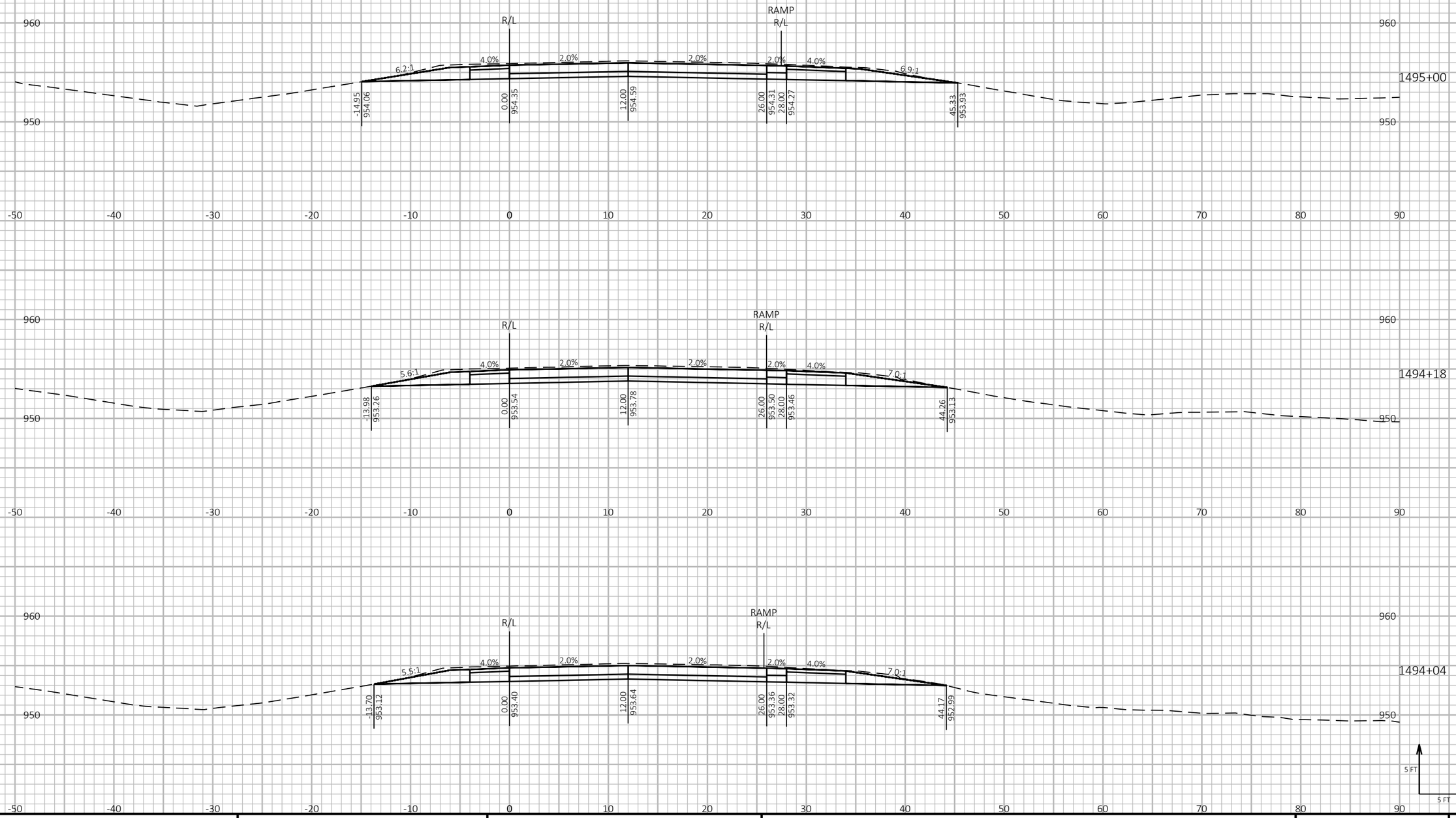
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/26/2023 11:53 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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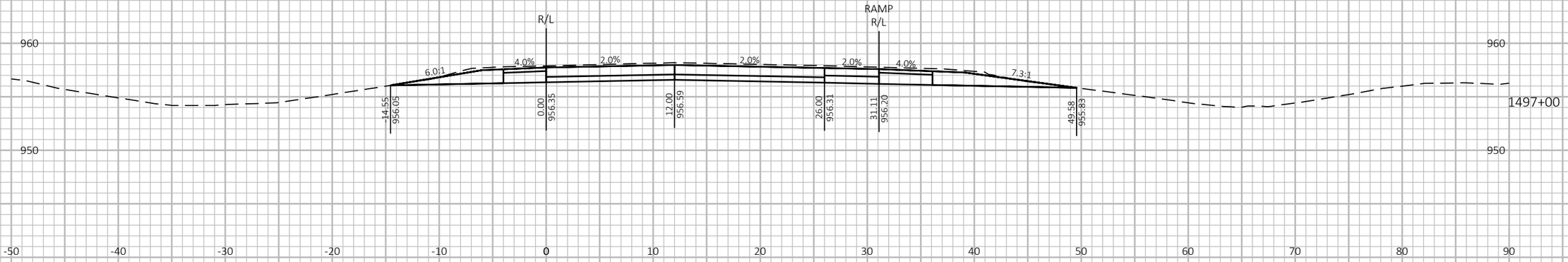
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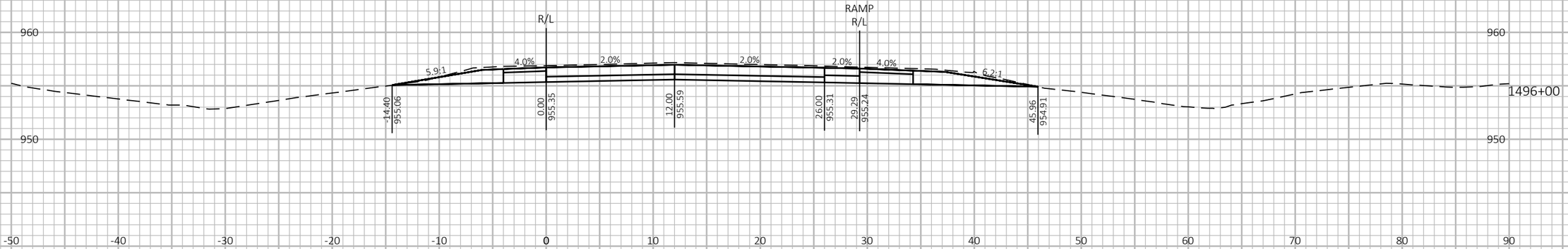
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 781	E

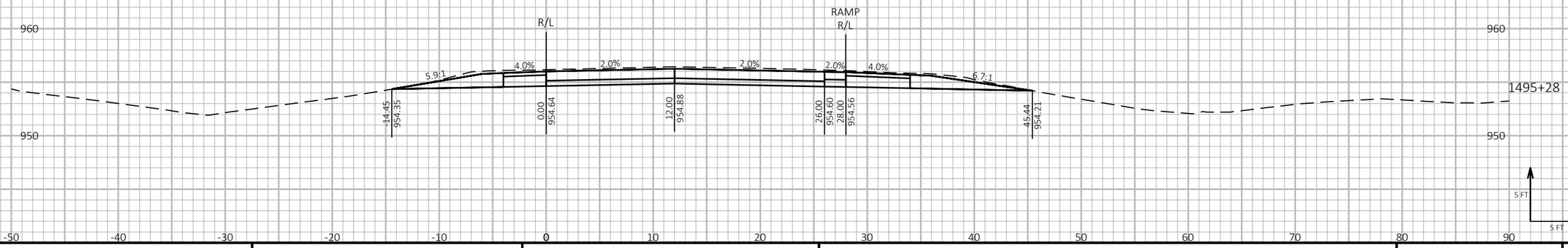
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 7/26/2023 11:54 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







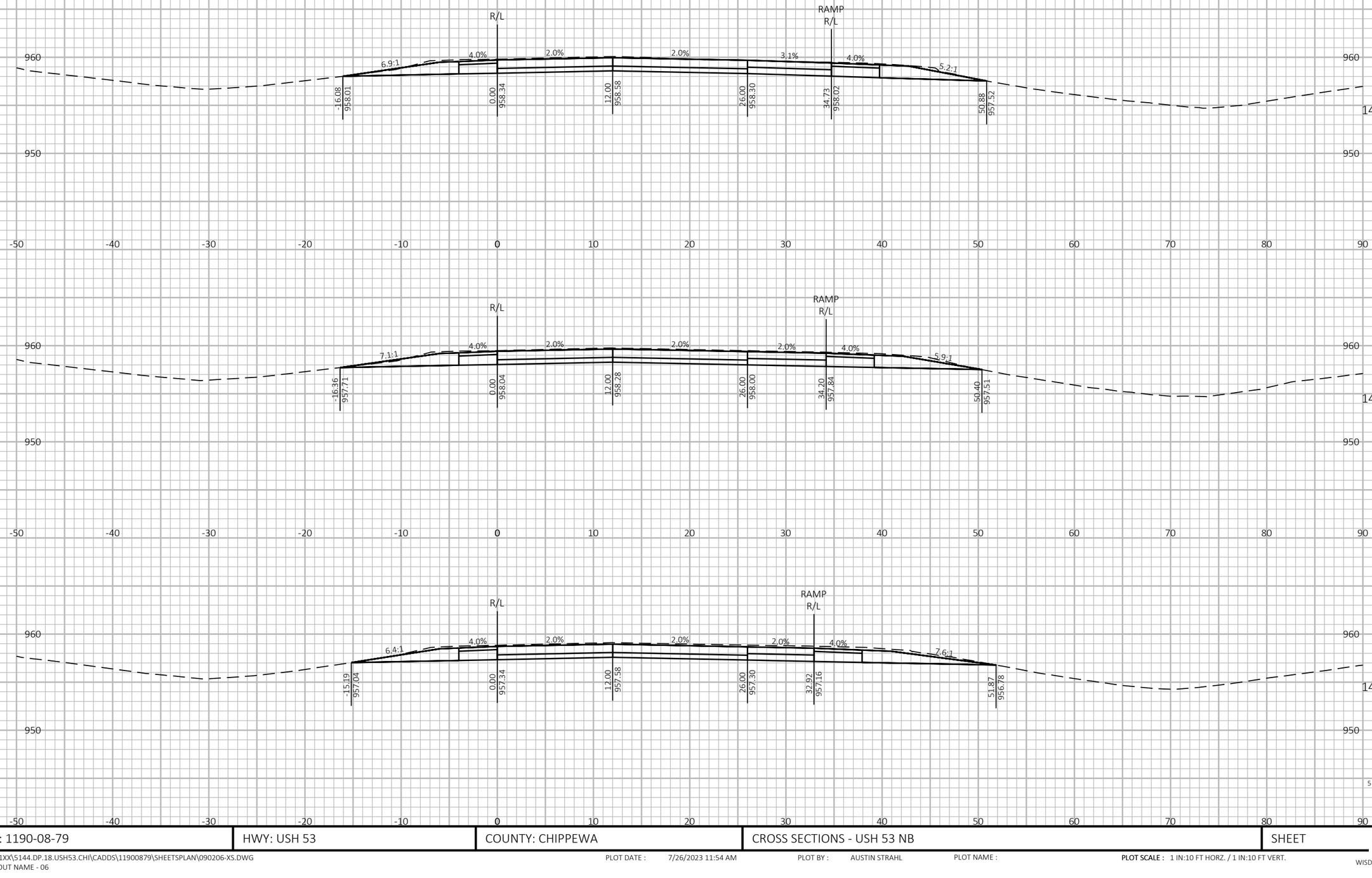
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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 782	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 05

PLOT DATE : 7/26/2023 11:54 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



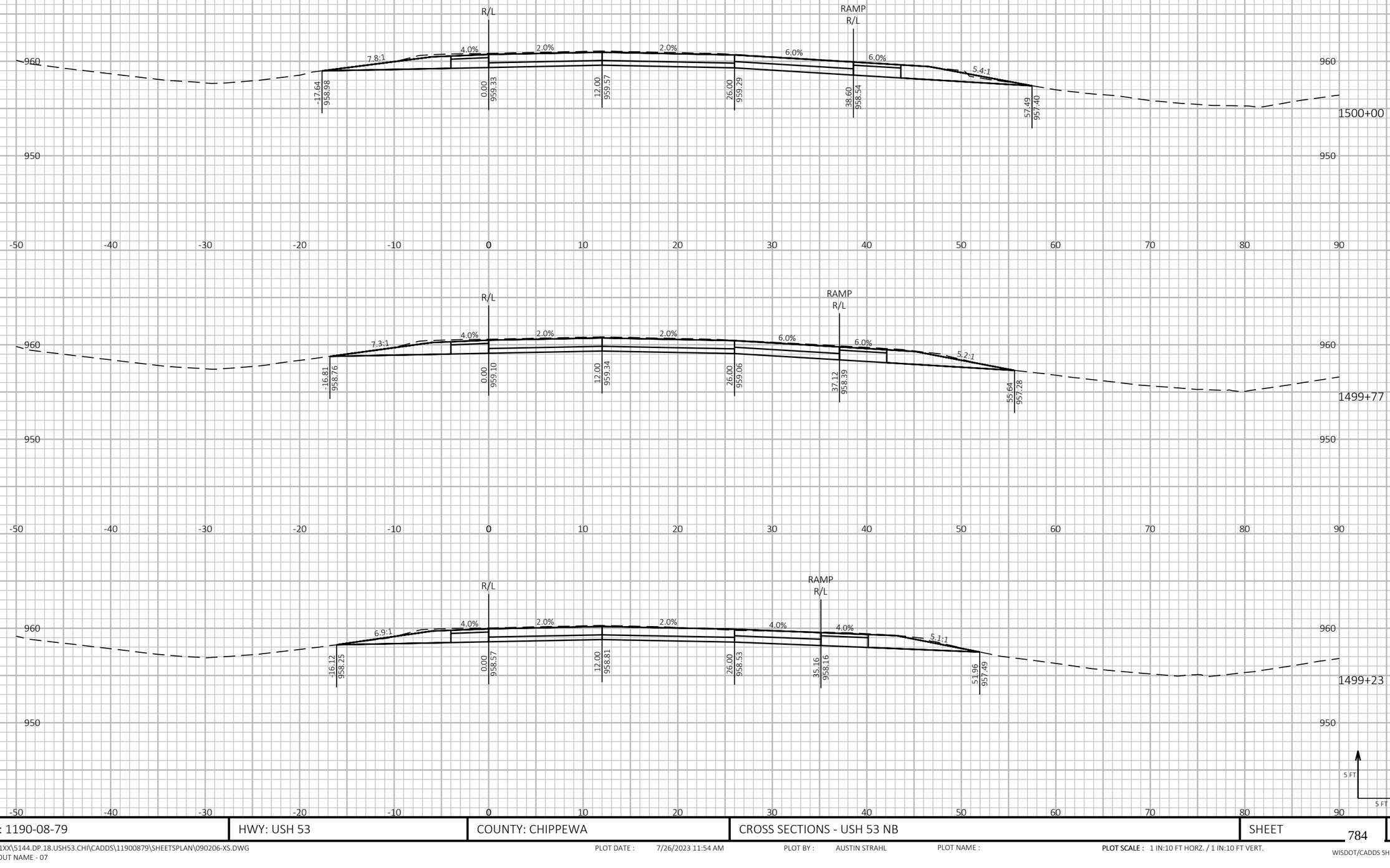
9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 783	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/26/2023 11:54 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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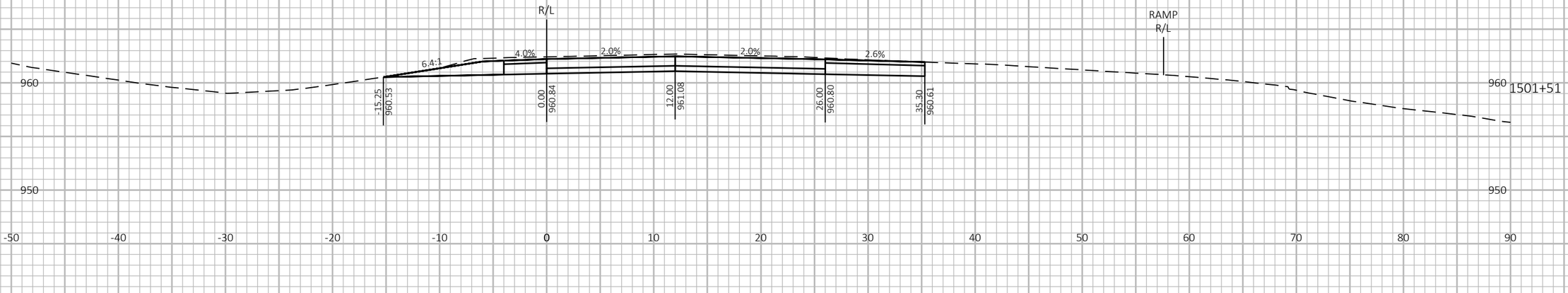
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 784	E

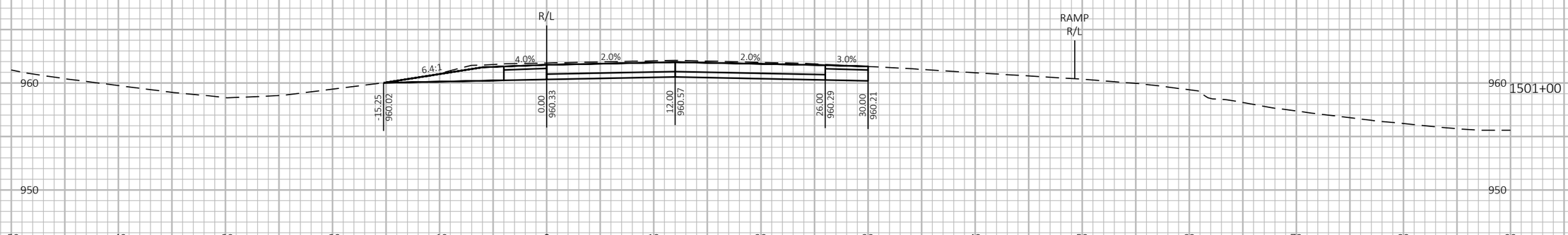
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LAYOUT NAME - 07

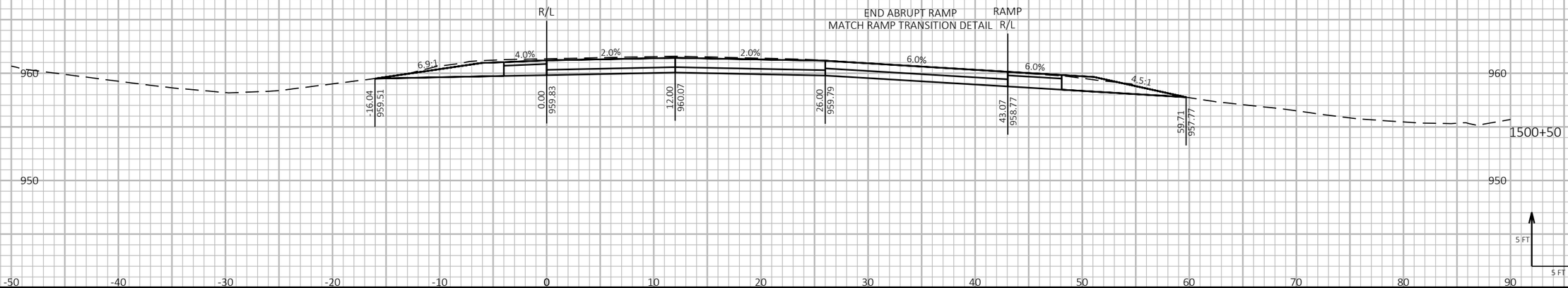
PLOT DATE : 7/26/2023 11:54 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 785	E

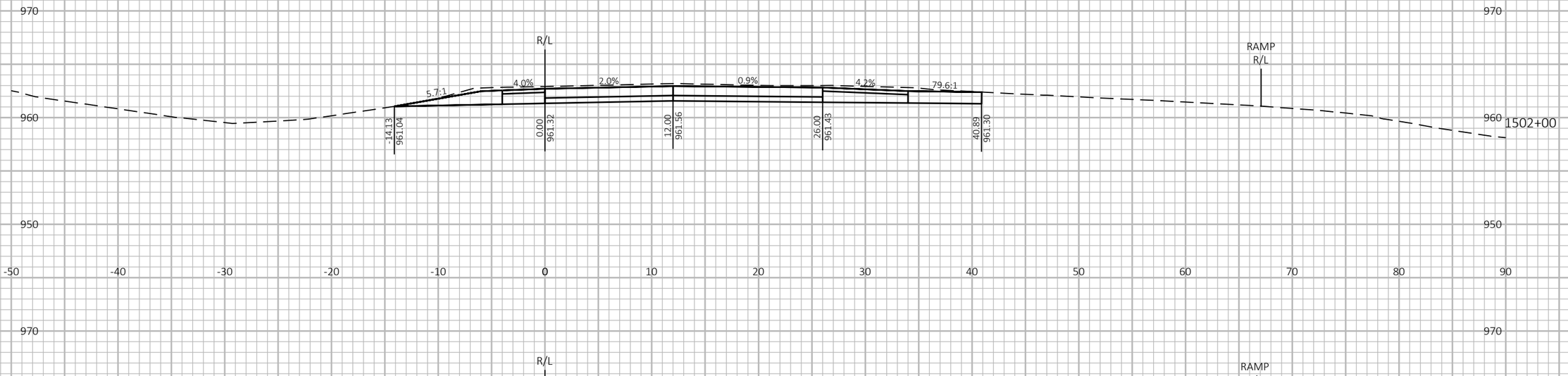
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LAYOUT NAME - 08

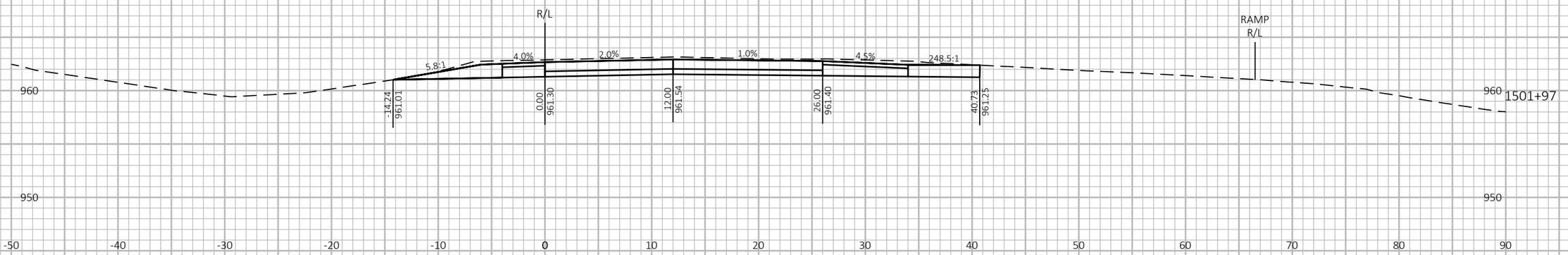
PLOT DATE : 7/26/2023 11:54 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

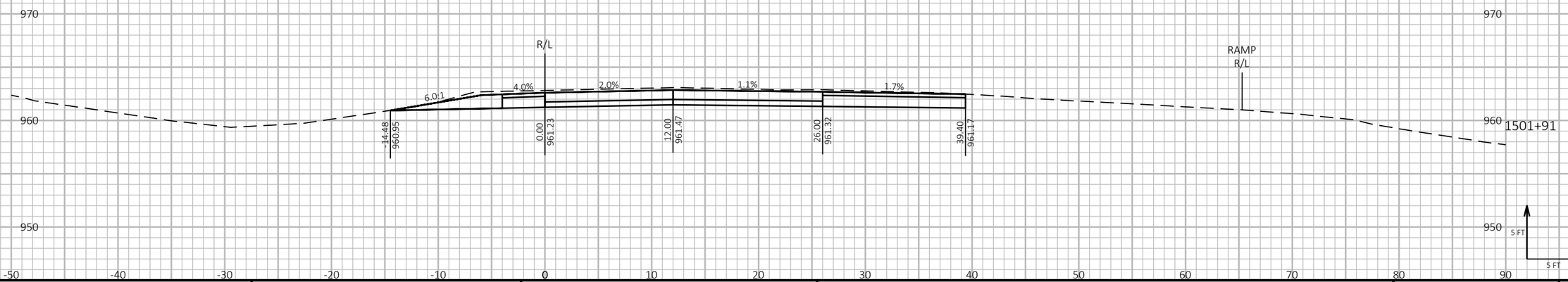
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 786	E

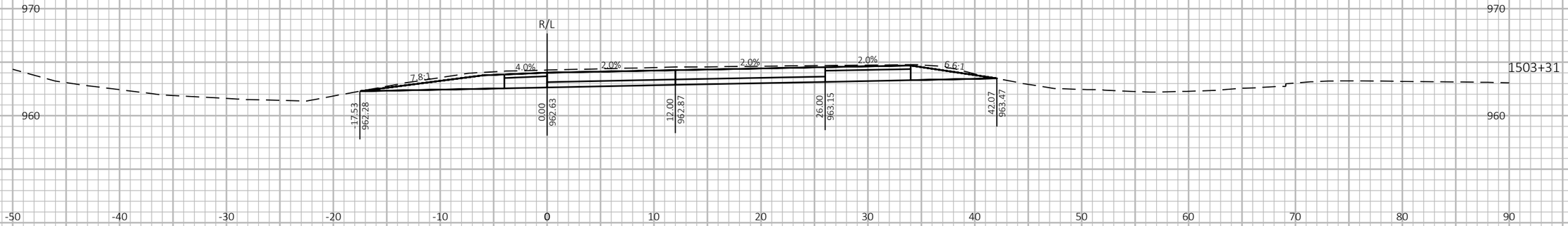
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 09

PLOT DATE : 7/26/2023 11:54 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

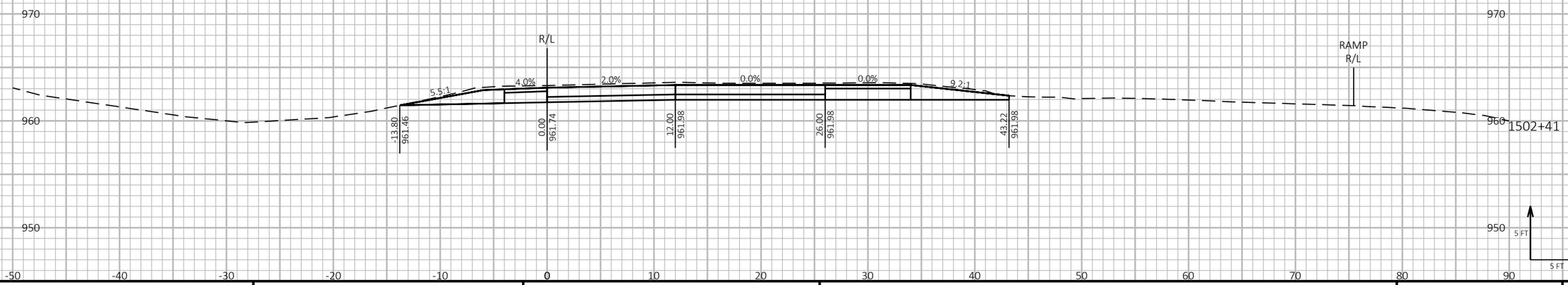
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 787	E

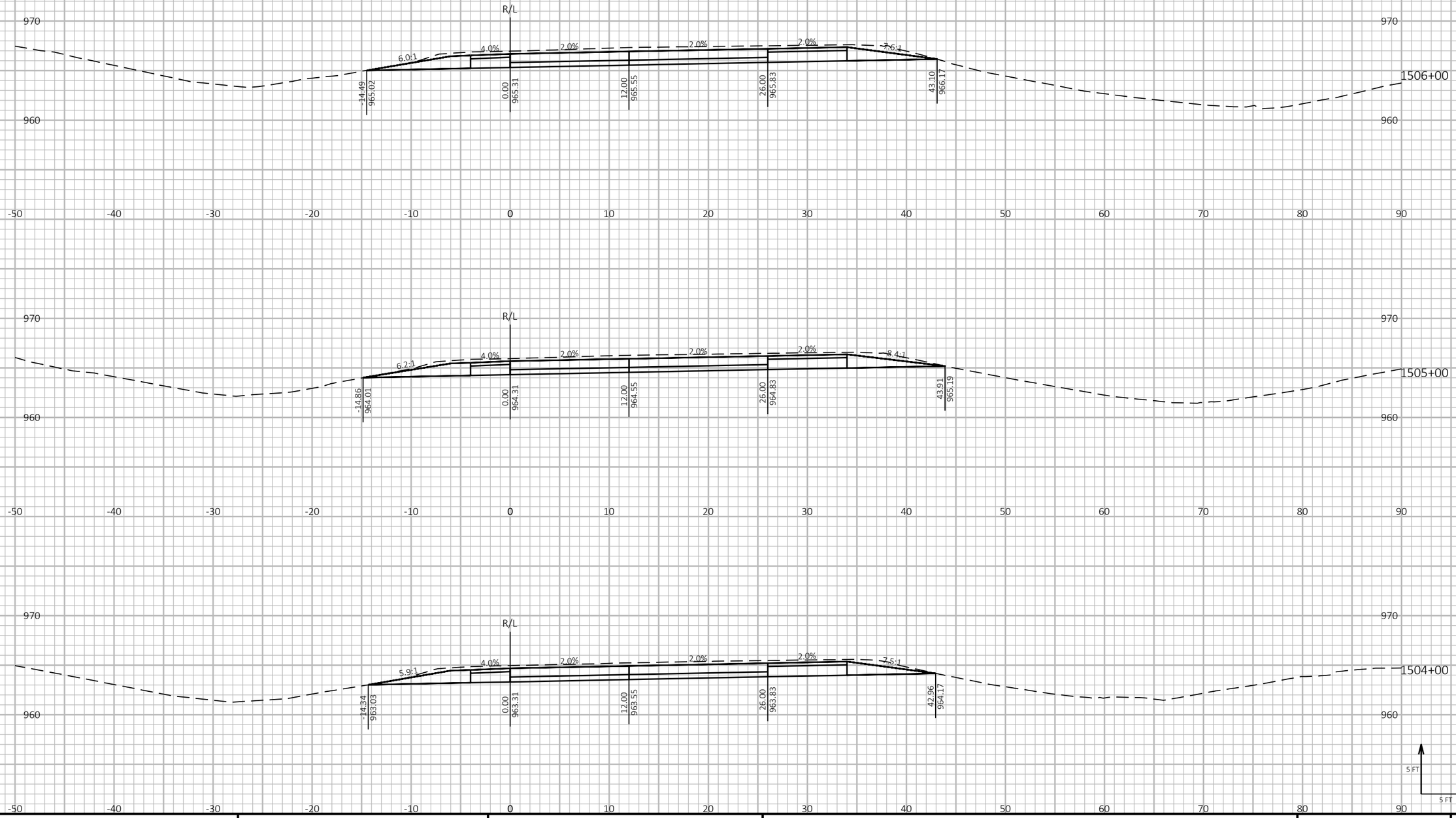
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 10

PLOT DATE : 7/26/2023 11:55 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 788	E

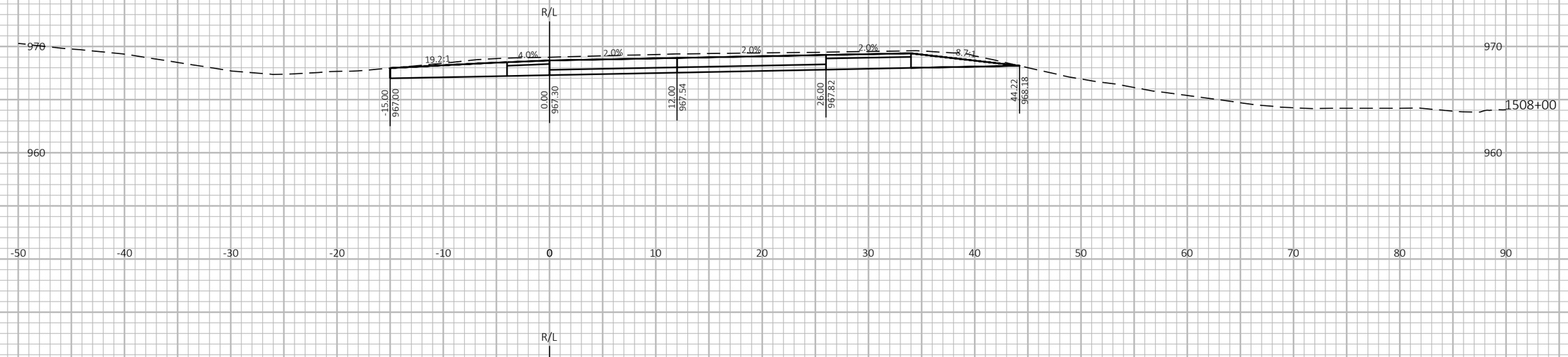
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LAYOUT NAME - 11

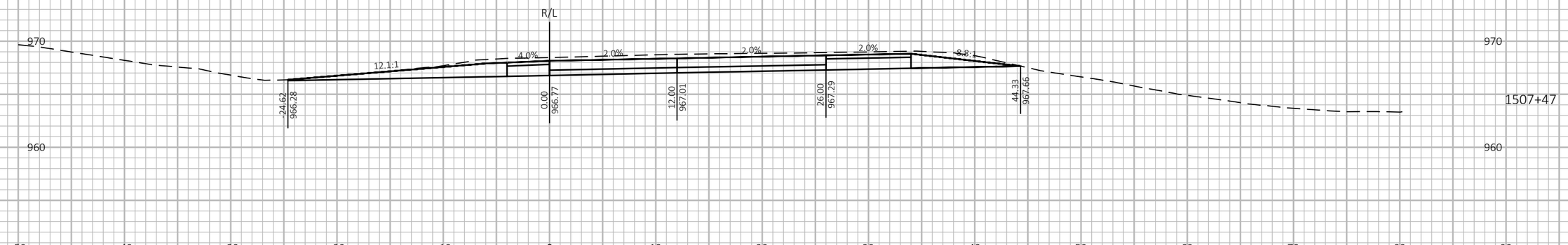
PLOT DATE : 7/26/2023 11:55 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

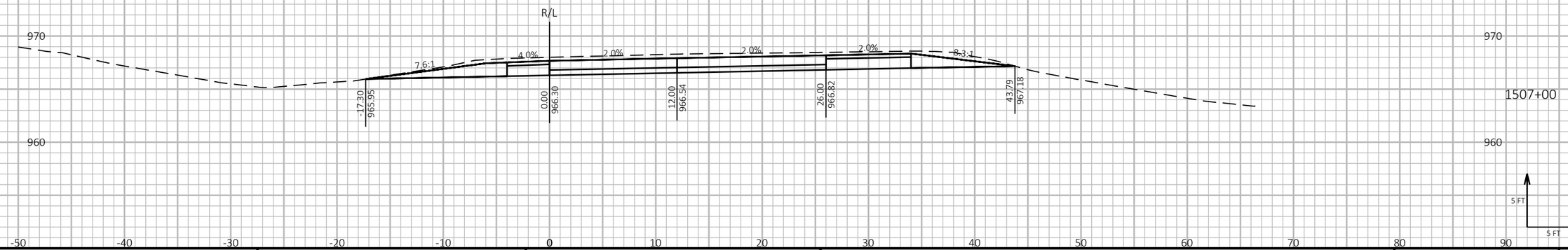
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 789	E

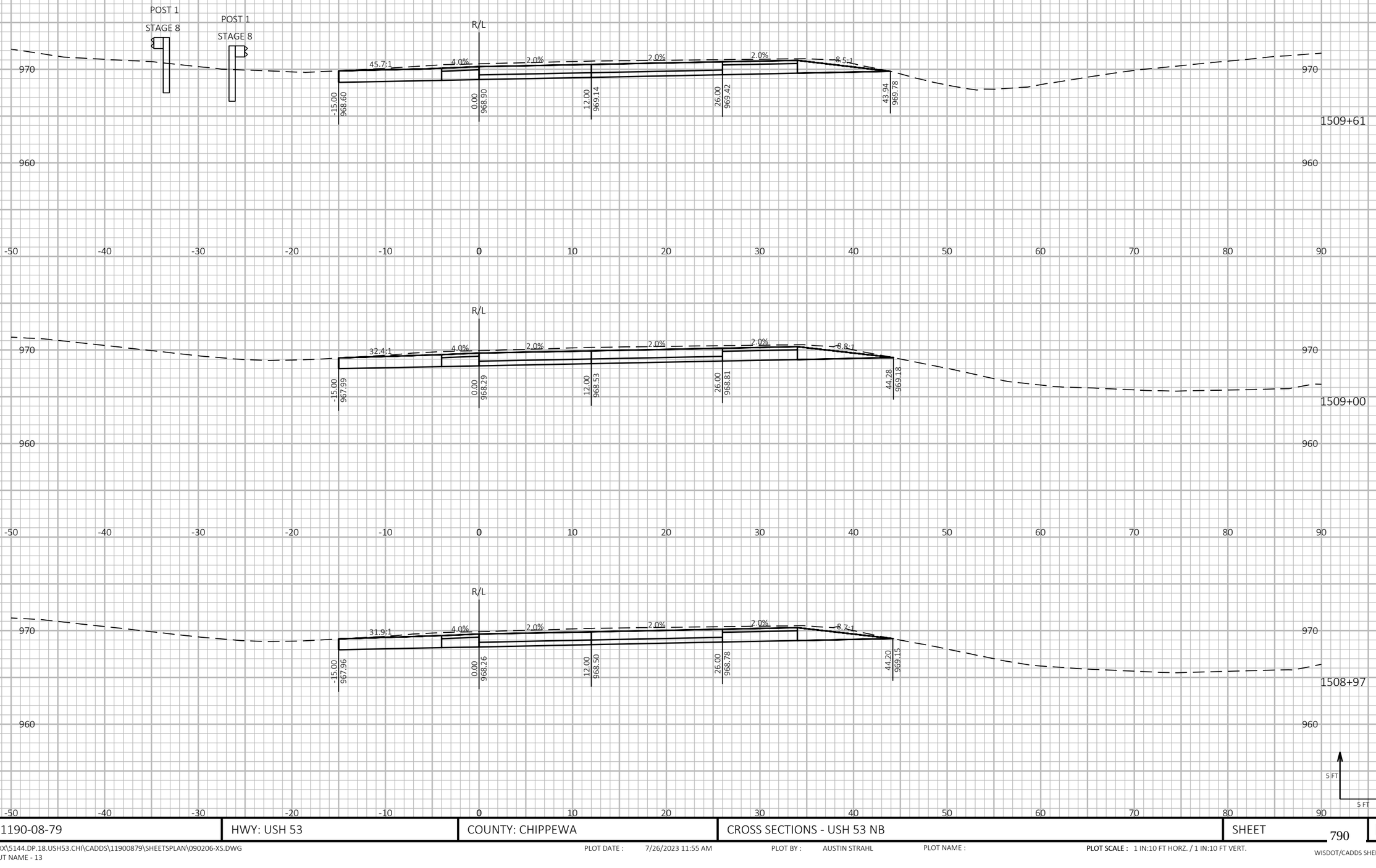
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 12

PLOT DATE : 7/26/2023 11:55 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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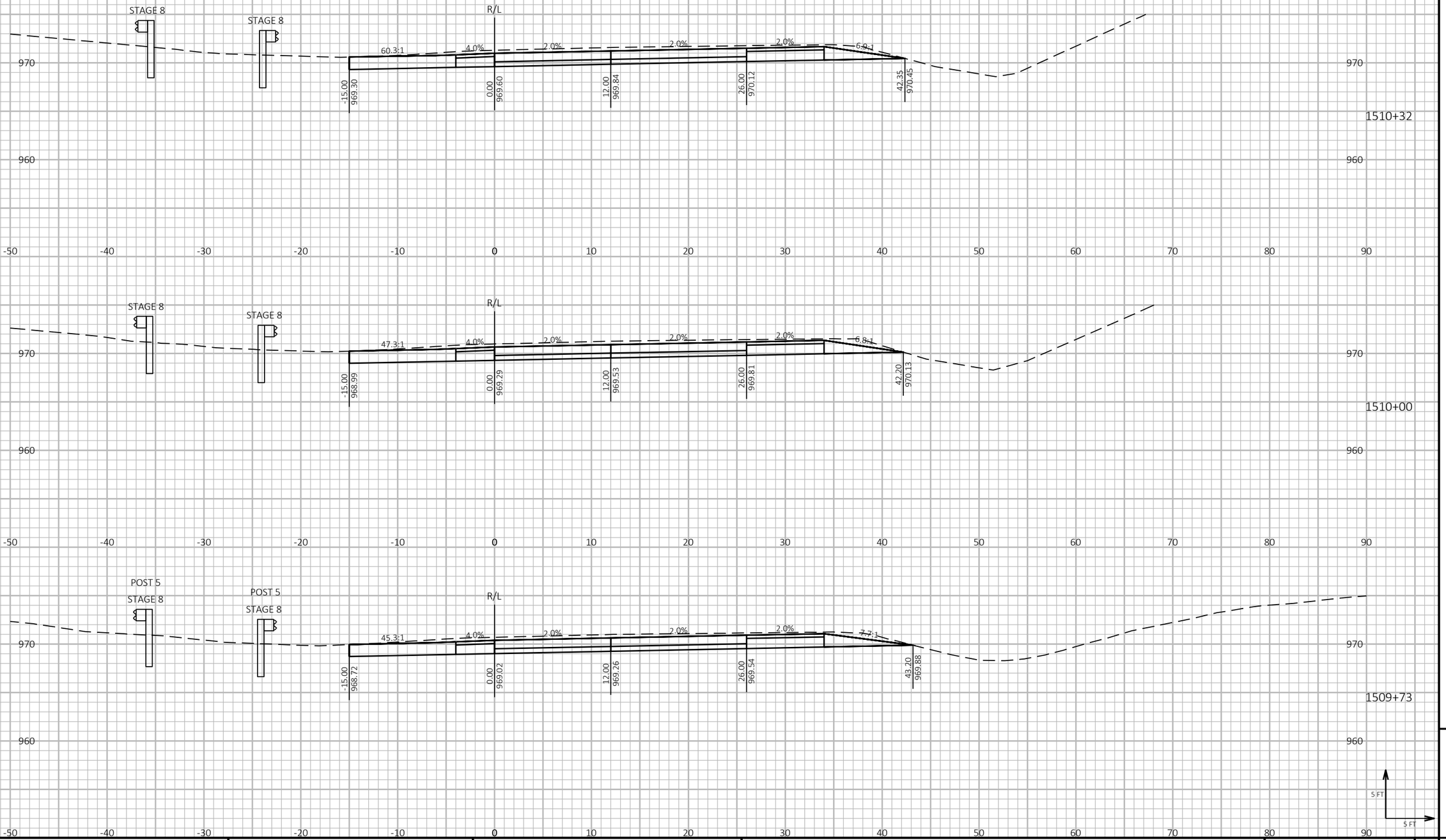
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 790	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 13

PLOT DATE : 7/26/2023 11:55 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



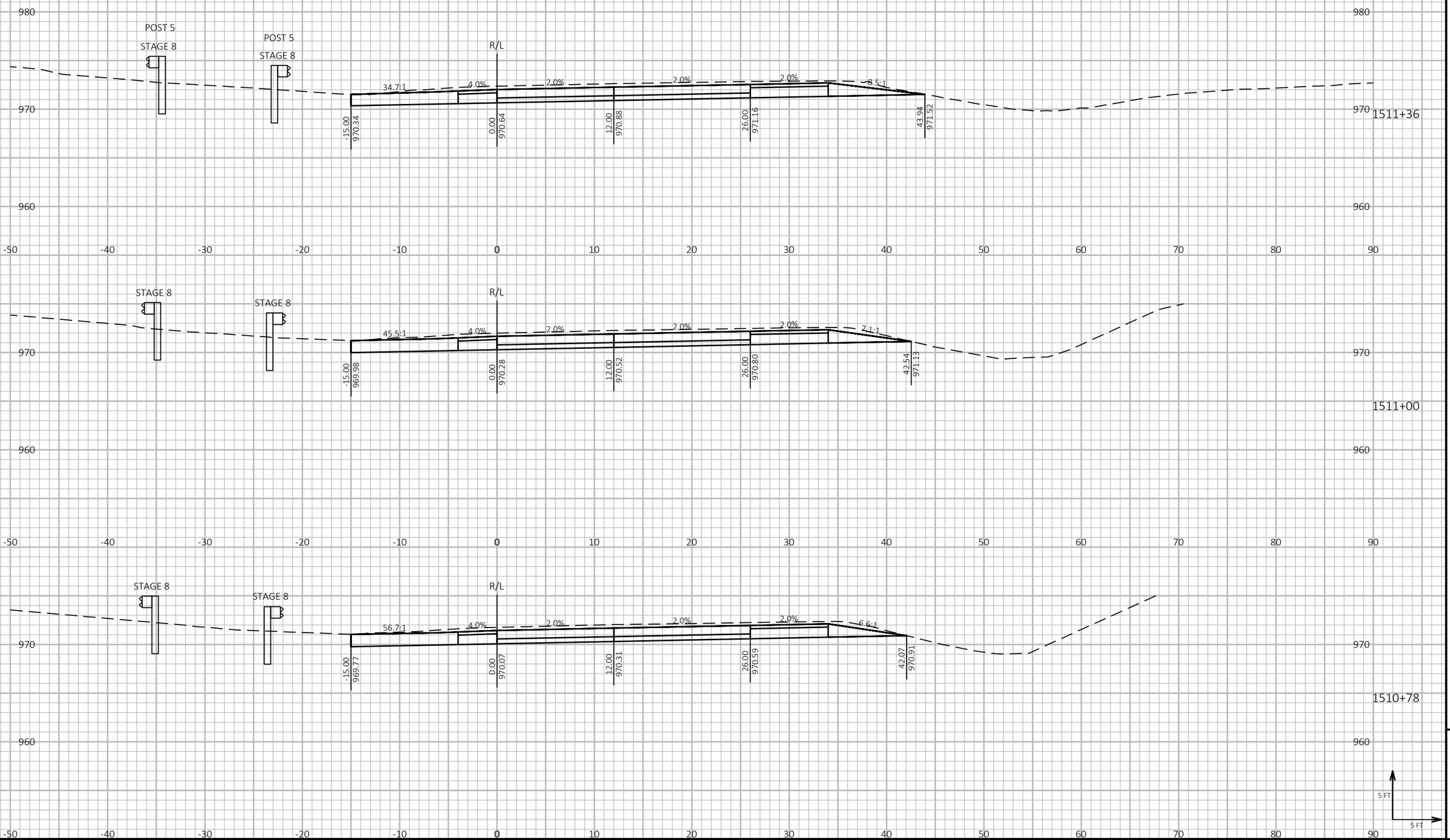
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 791	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 14

PLOT DATE : 7/26/2023 11:55 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 792	E

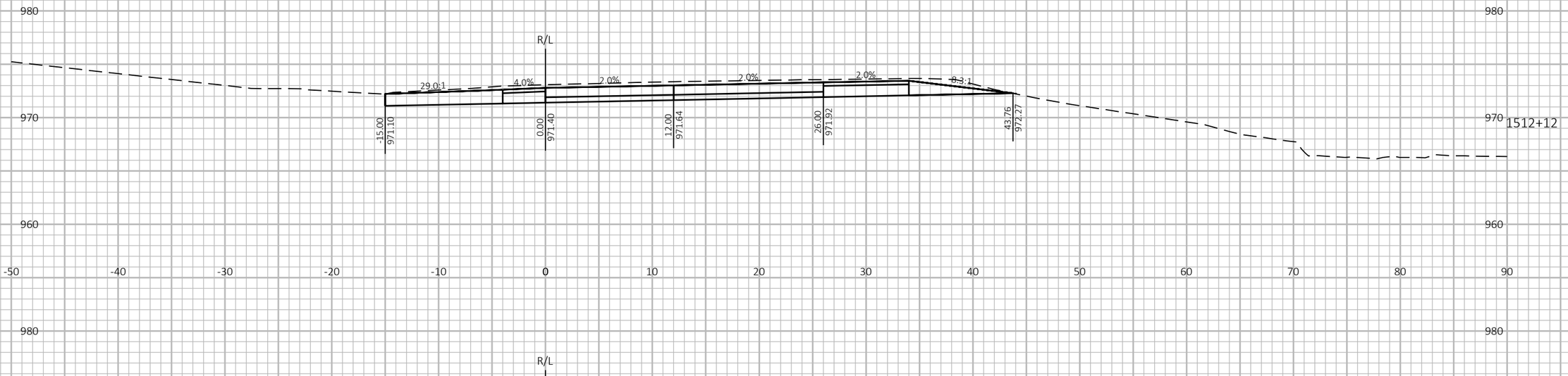
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LAYOUT NAME - 15

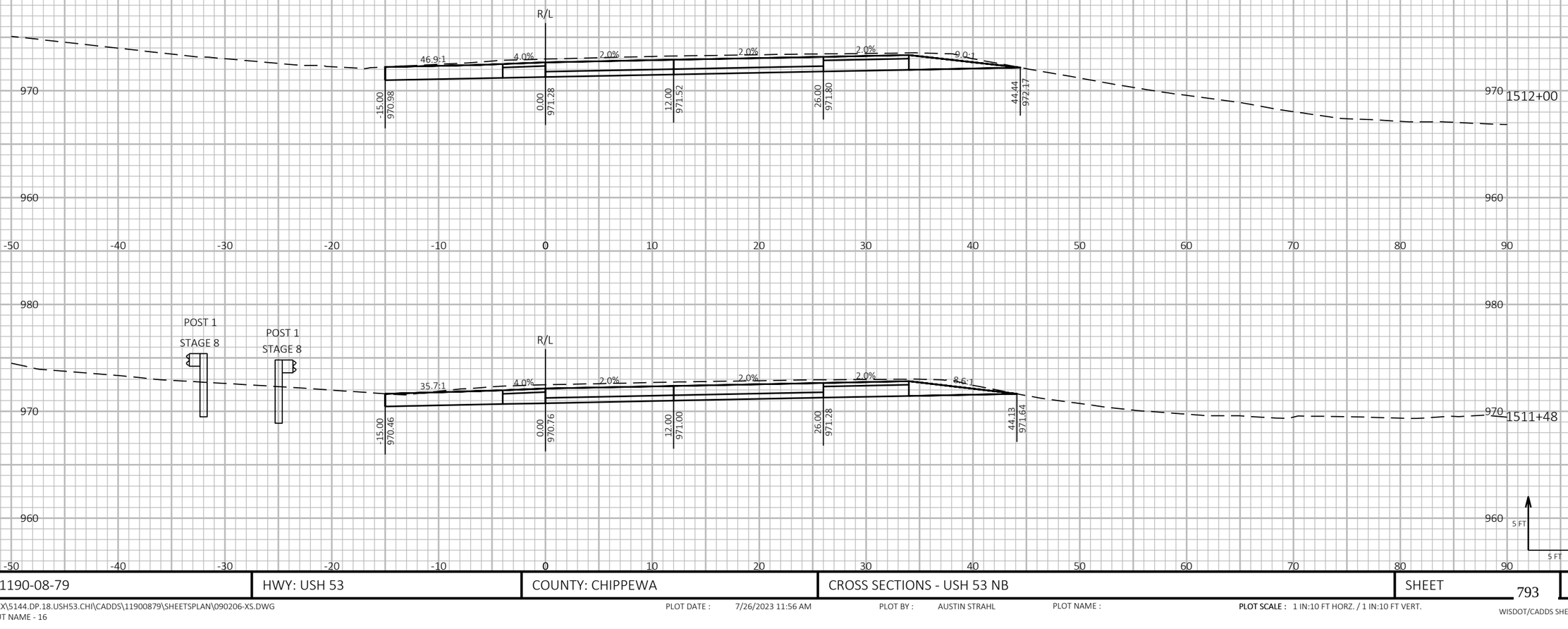
PLOT DATE : 7/26/2023 11:55 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT





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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 793	E

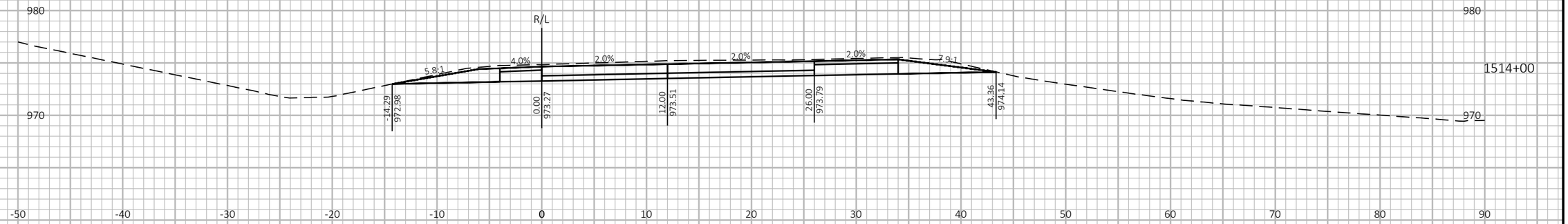
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 16

PLOT DATE : 7/26/2023 11:56 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

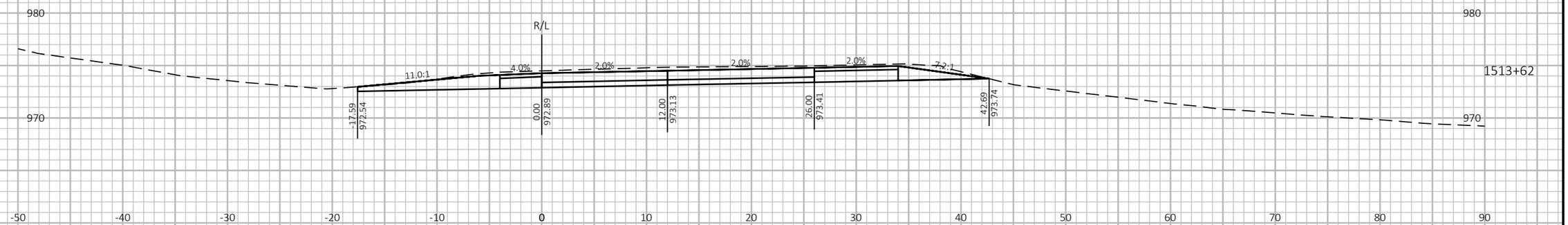
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

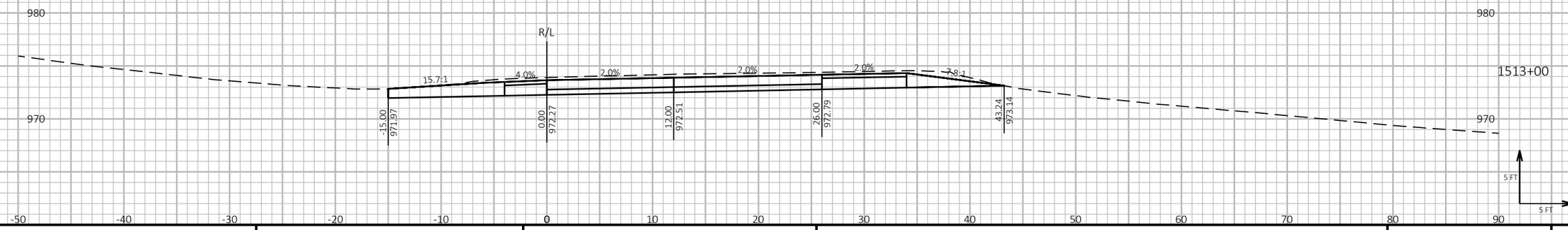
CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



1514+00



1513+62



1513+00

9 9

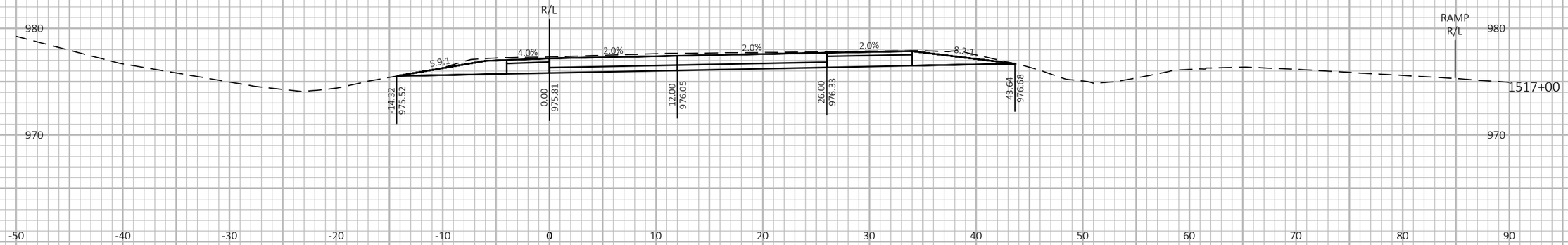
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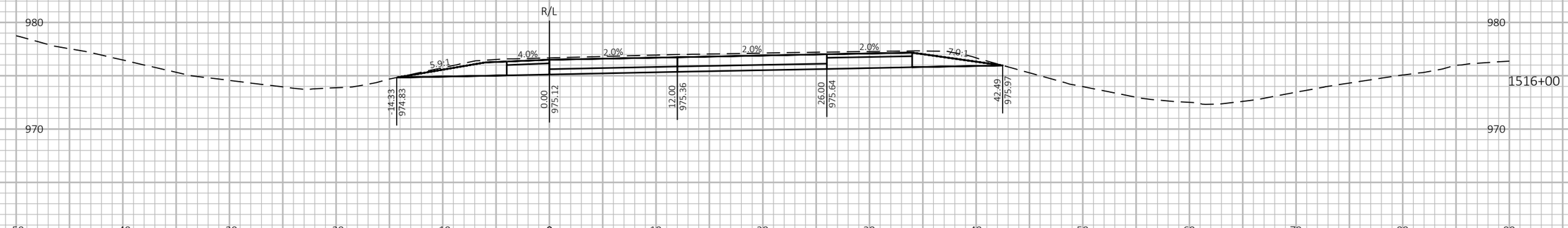
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LAYOUT NAME - 17

PLOT DATE : 7/26/2023 11:56 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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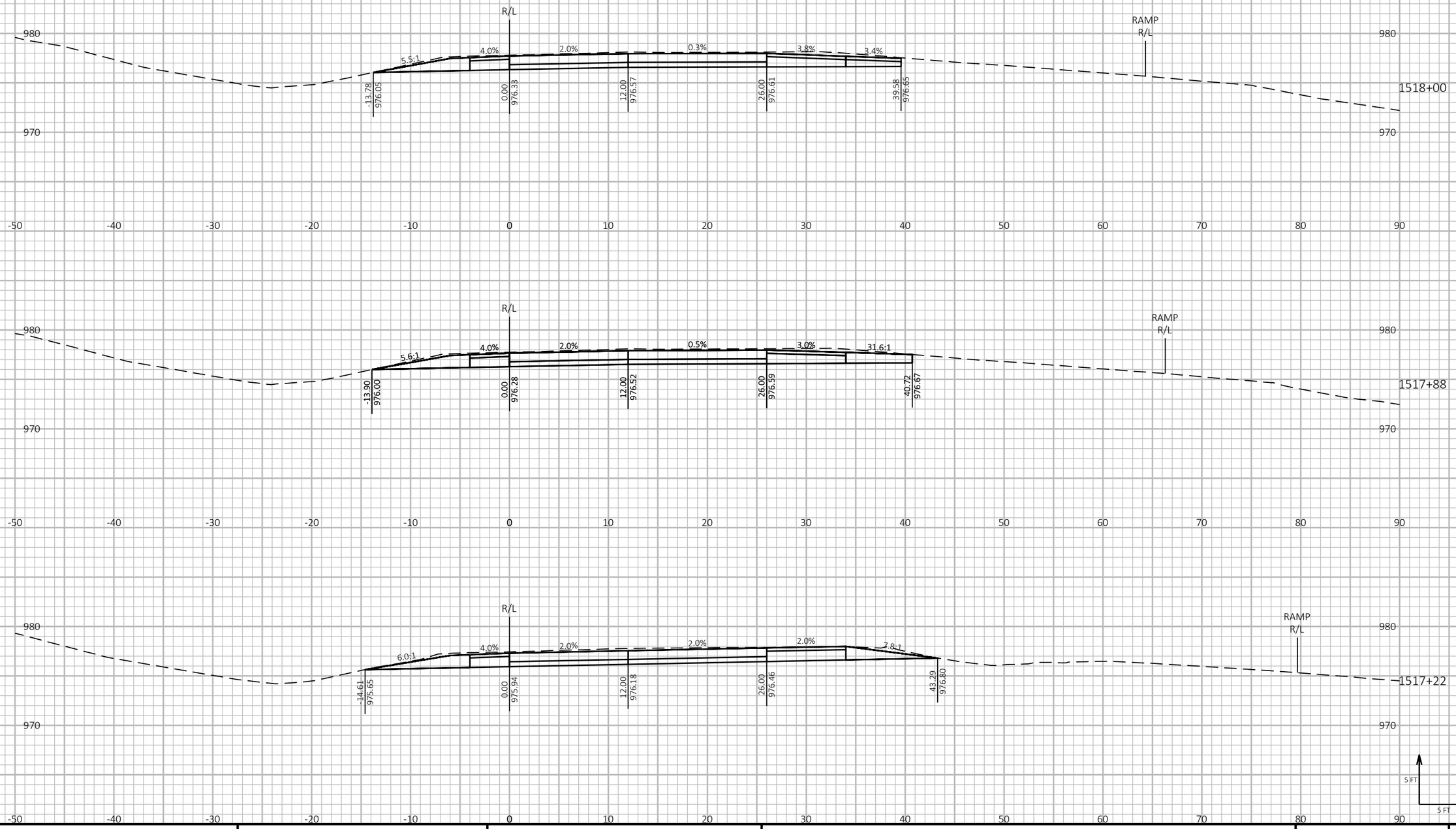
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 795	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 18

PLOT DATE : 7/26/2023 11:56 AM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 796	E

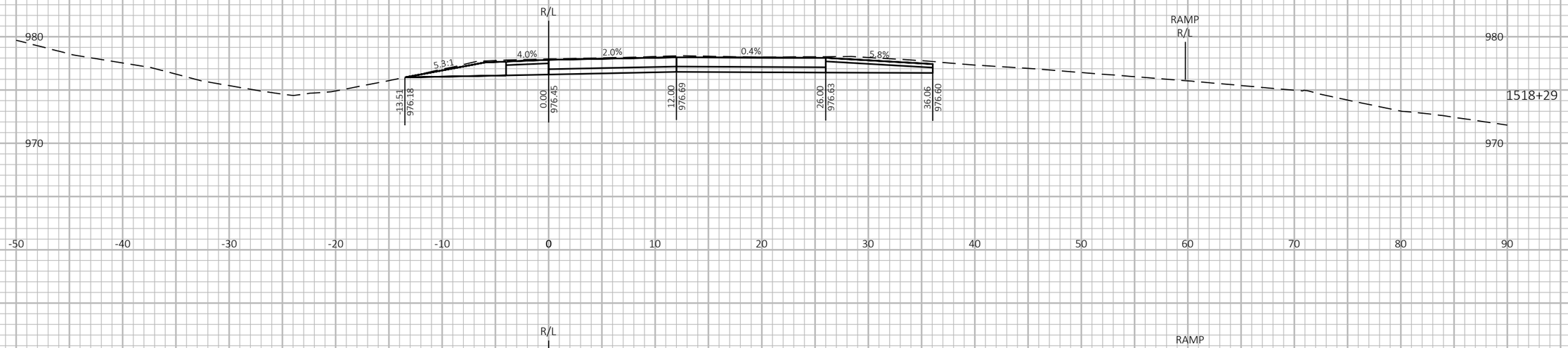
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 19

PLOT DATE : 7/26/2023 11:56 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

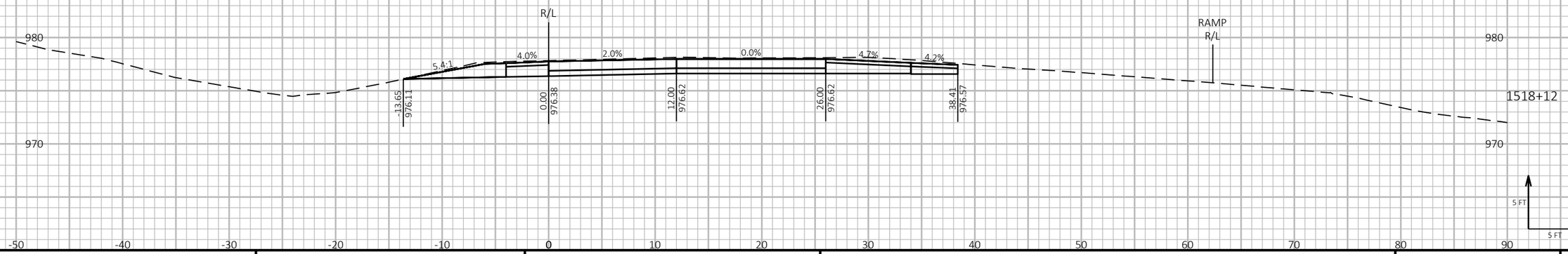
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 797	E

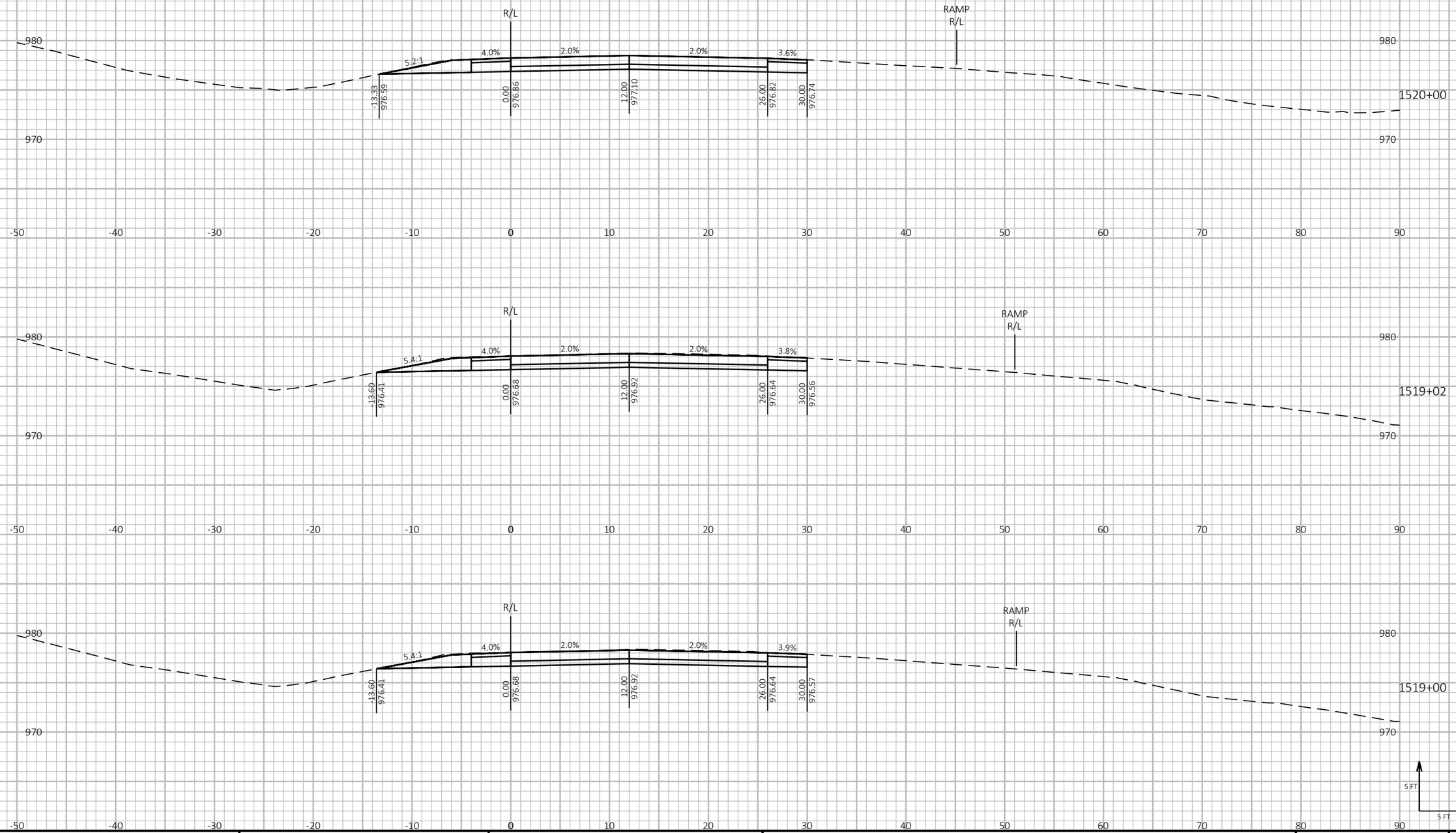
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 20

PLOT DATE : 7/26/2023 11:56 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 798	E

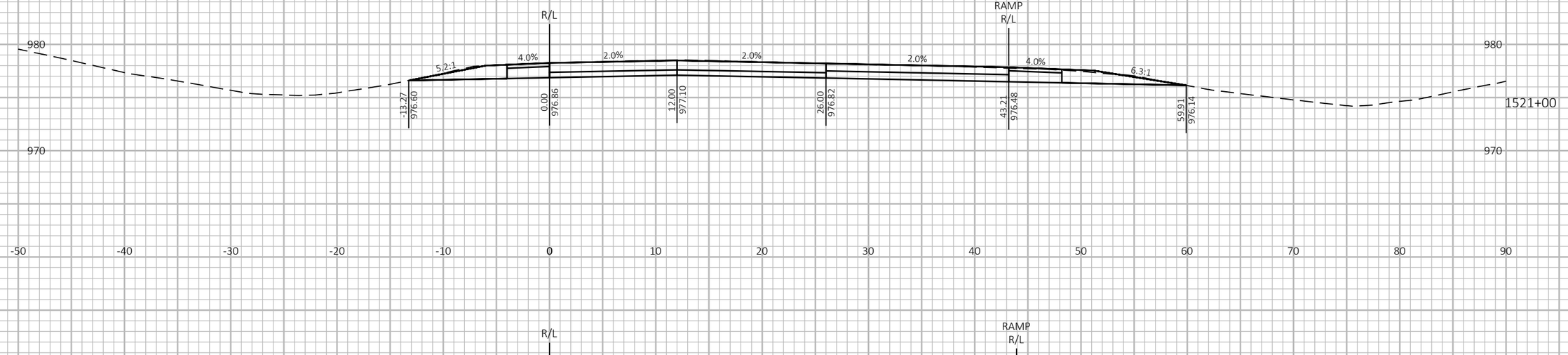
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 21

PLOT DATE : 7/26/2023 11:56 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 799	E

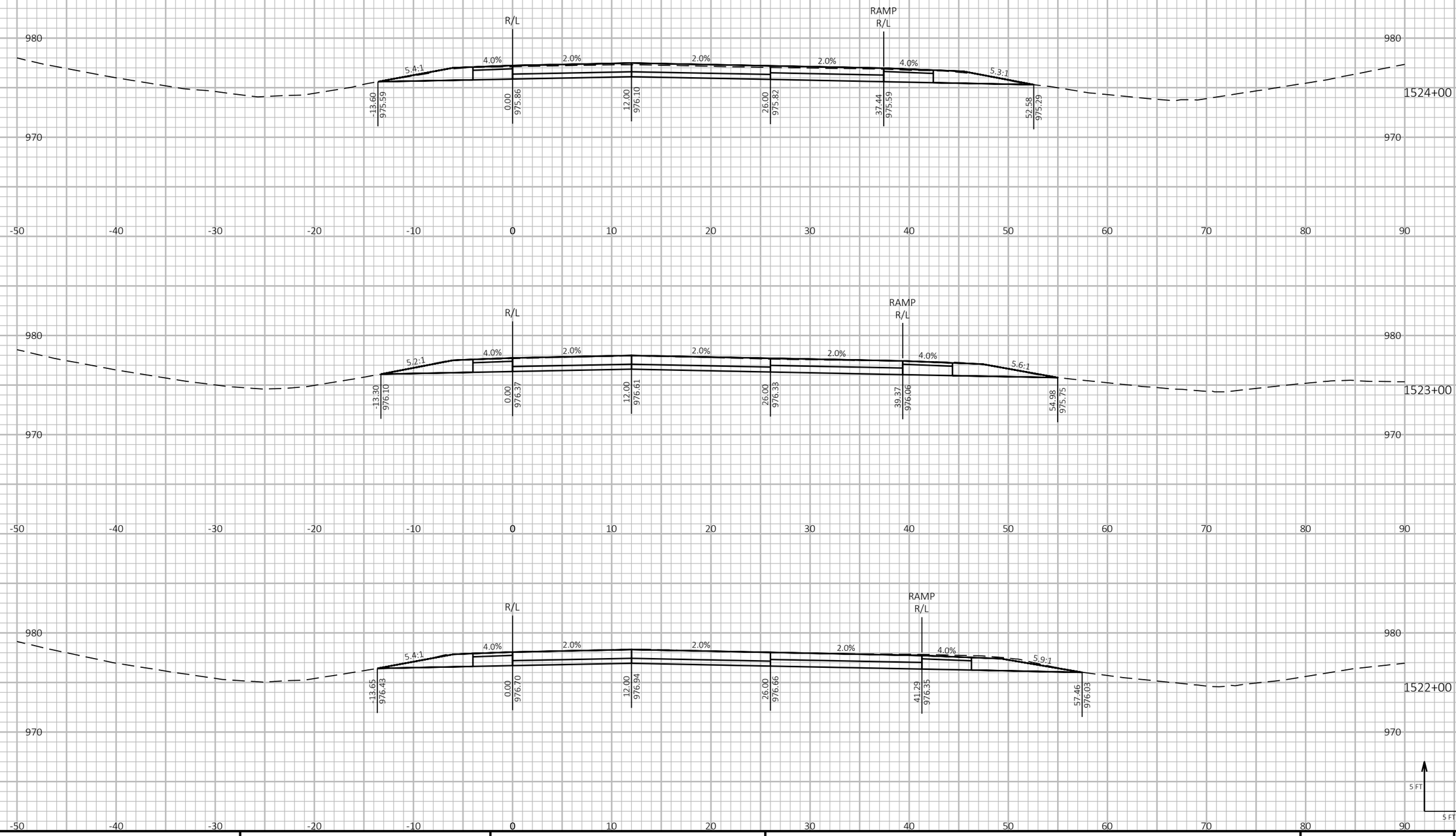
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 22

PLOT DATE : 7/26/2023 11:57 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 800	E

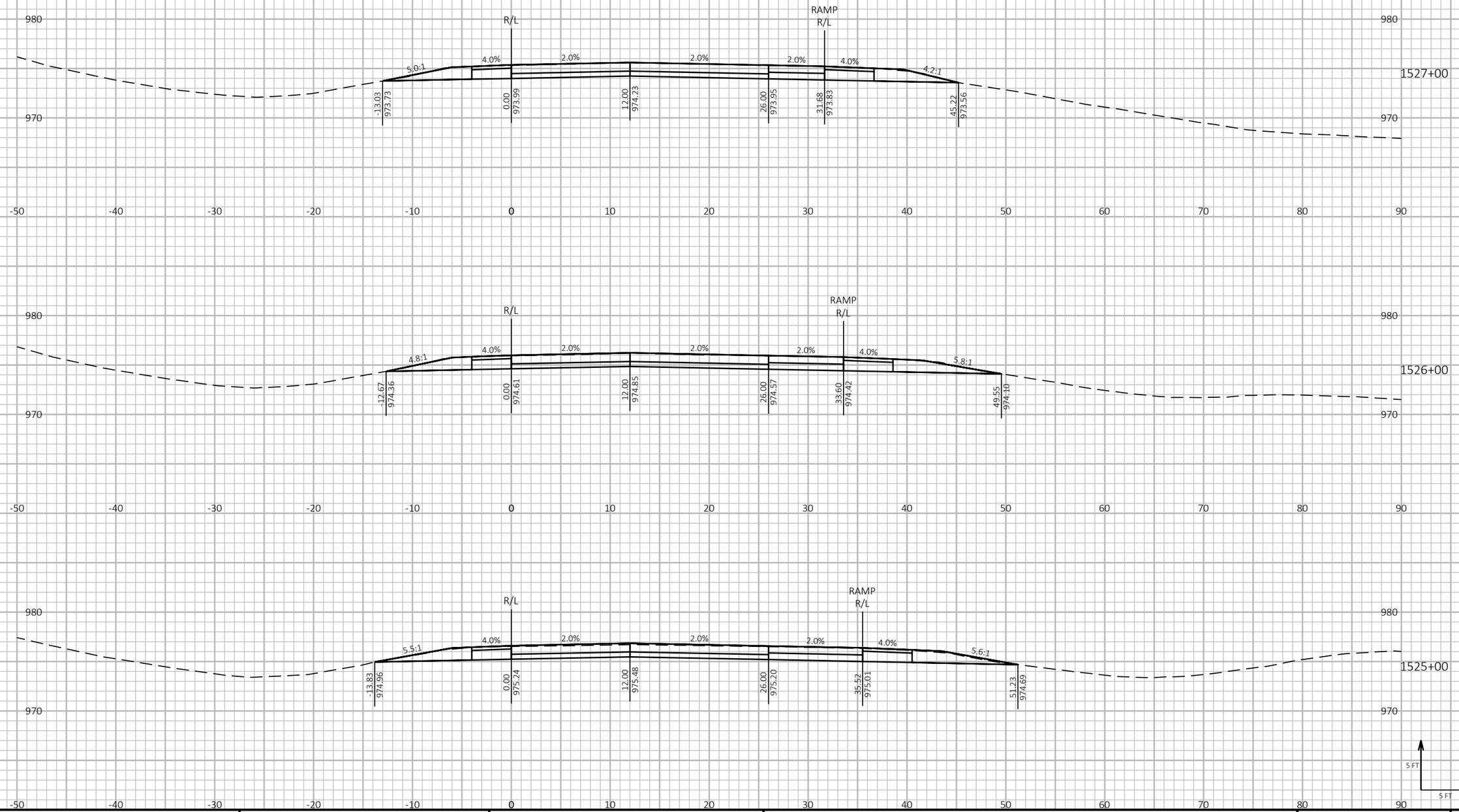
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LAYOUT NAME - 23

PLOT DATE : 7/26/2023 11:57 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 801	E

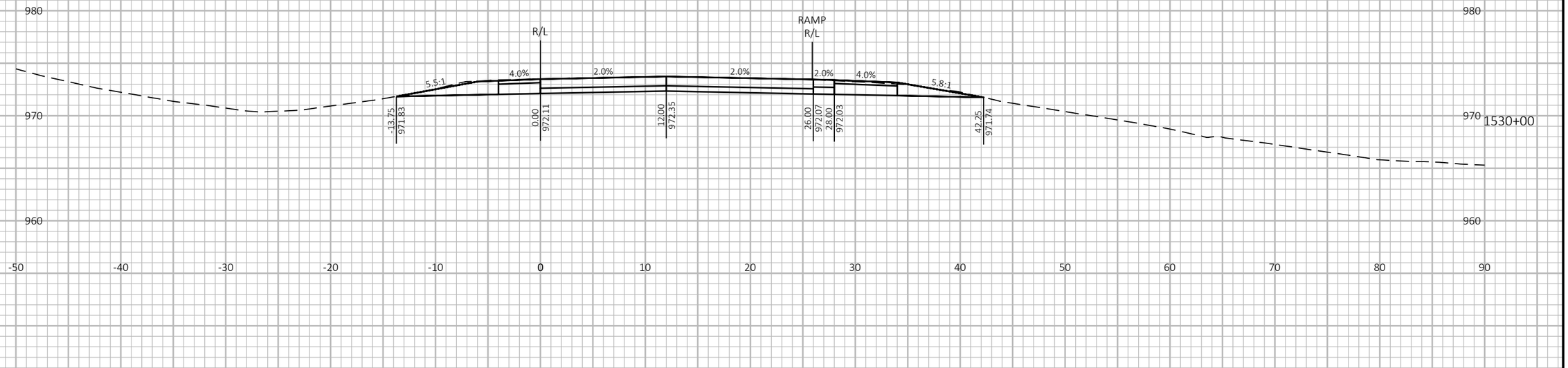
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LAYOUT NAME - 24

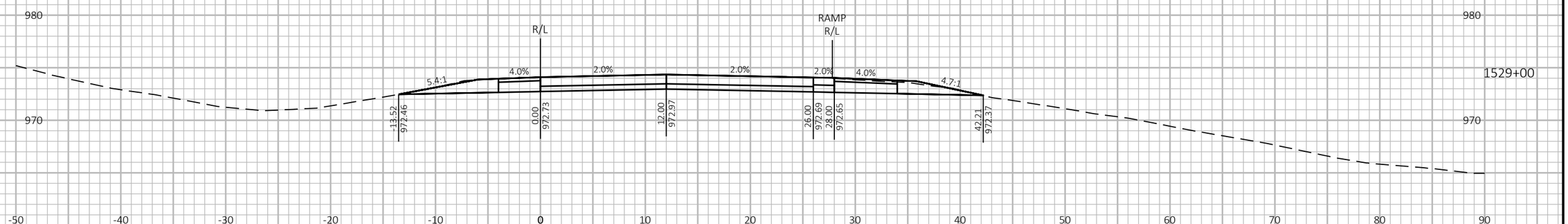
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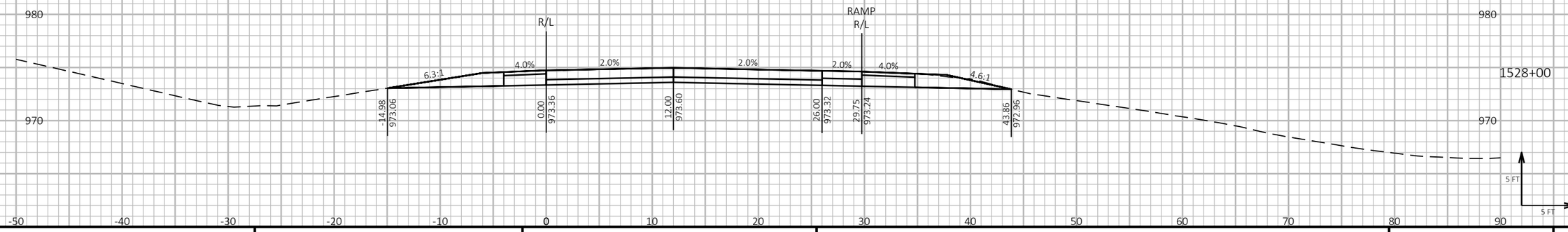
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT







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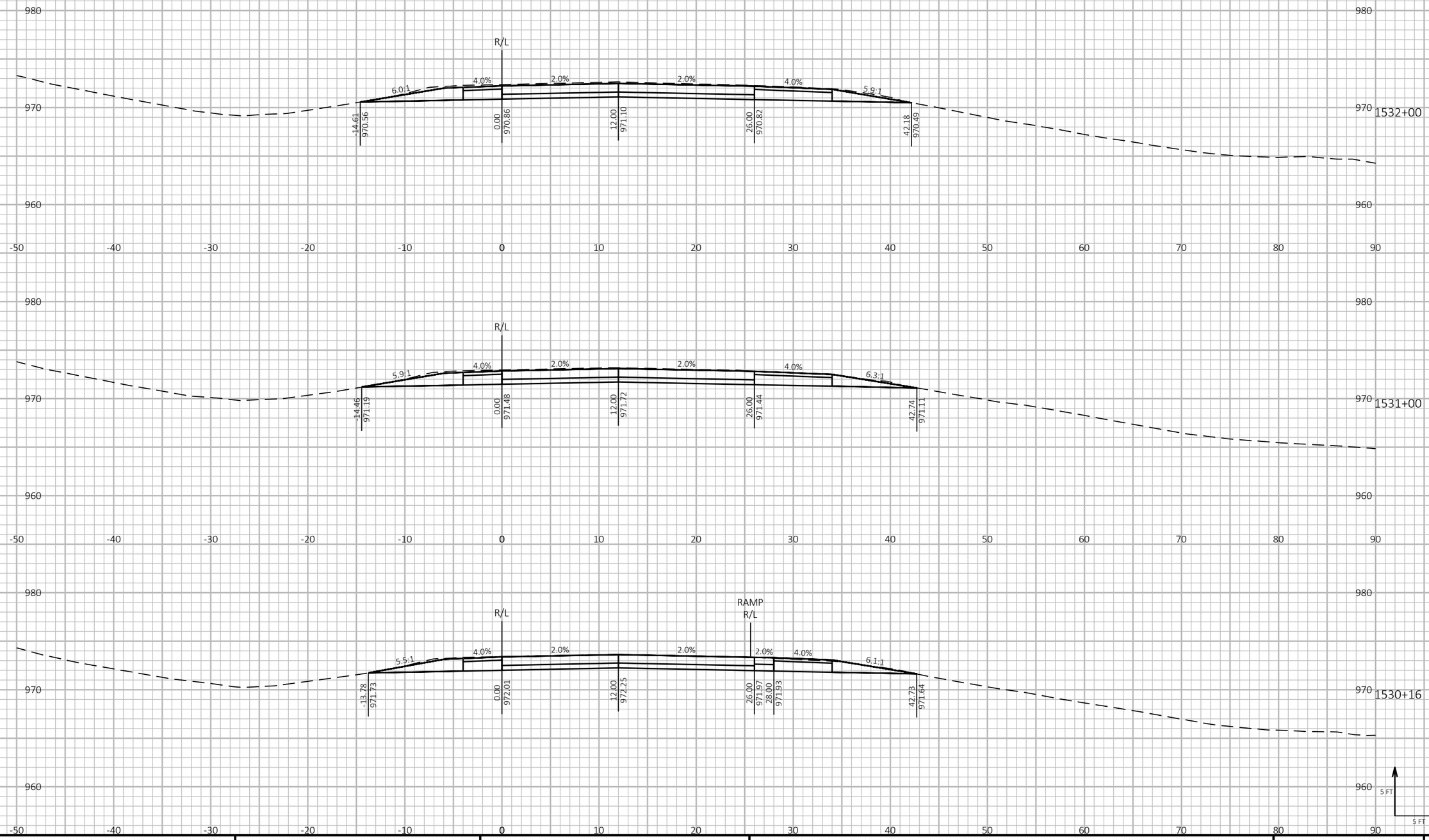
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 802	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 25

PLOT DATE : 7/26/2023 11:57 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 803	E

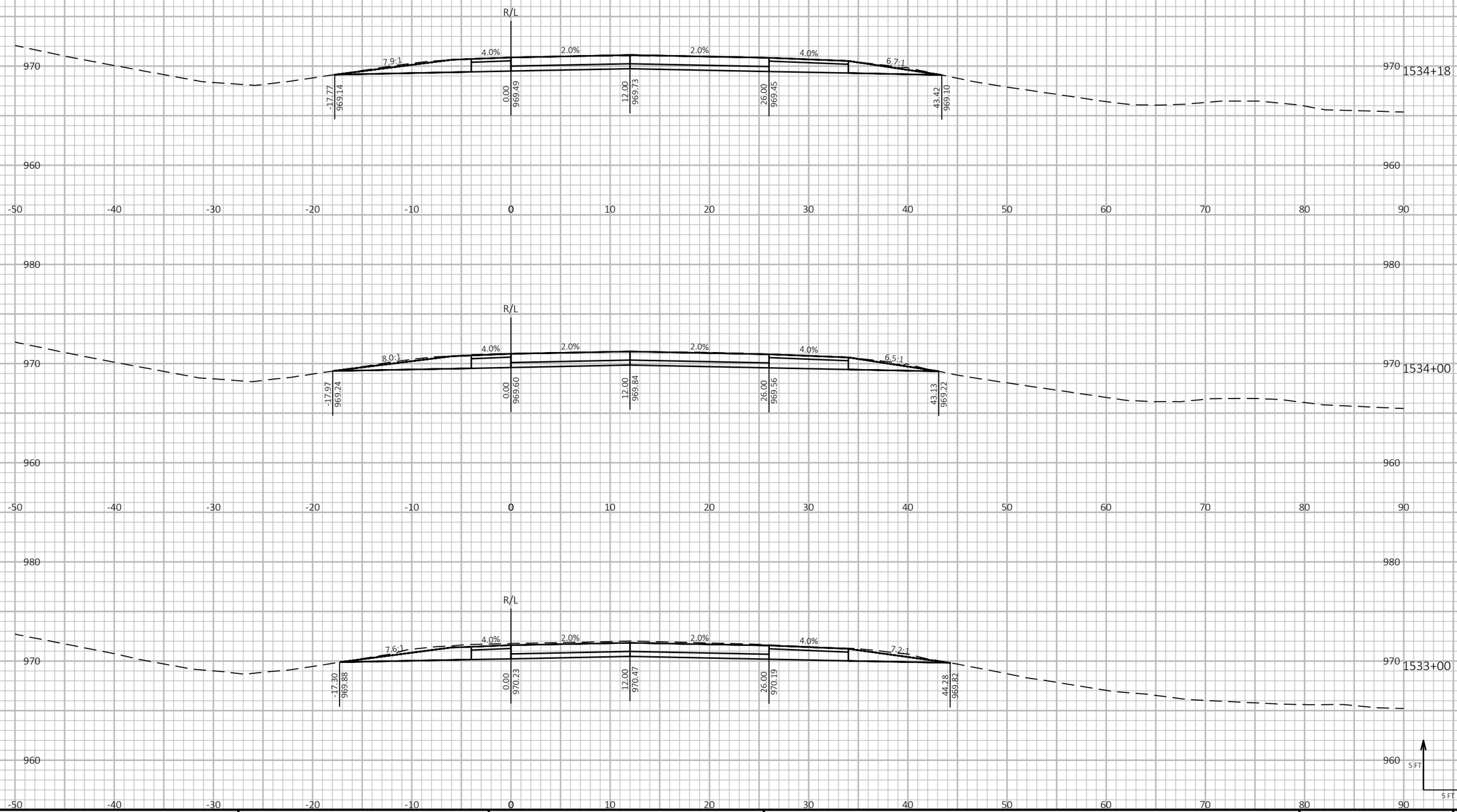
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LAYOUT NAME - 26

PLOT DATE : 7/26/2023 11:57 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 804	E

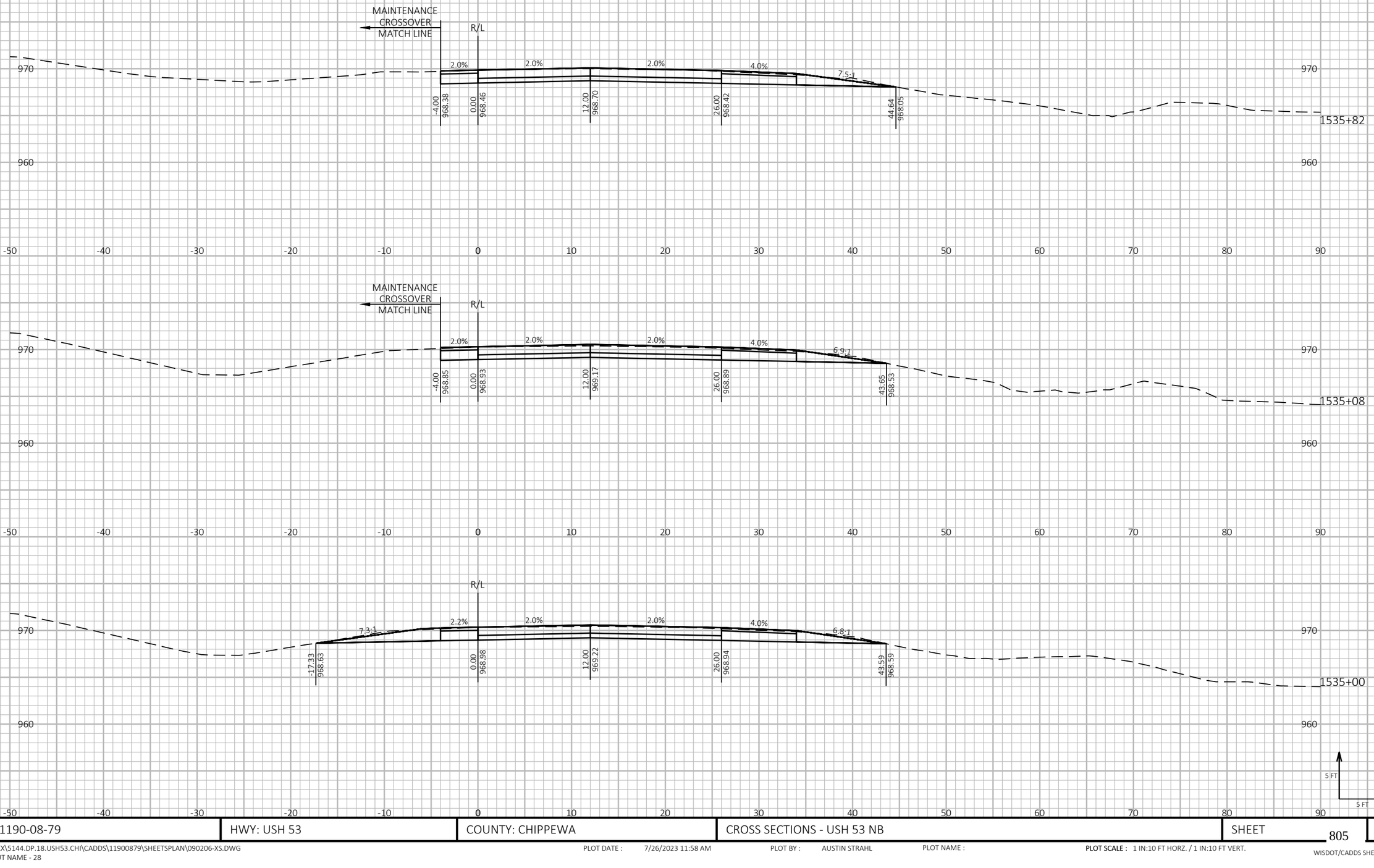
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 27

PLOT DATE : 7/26/2023 11:58 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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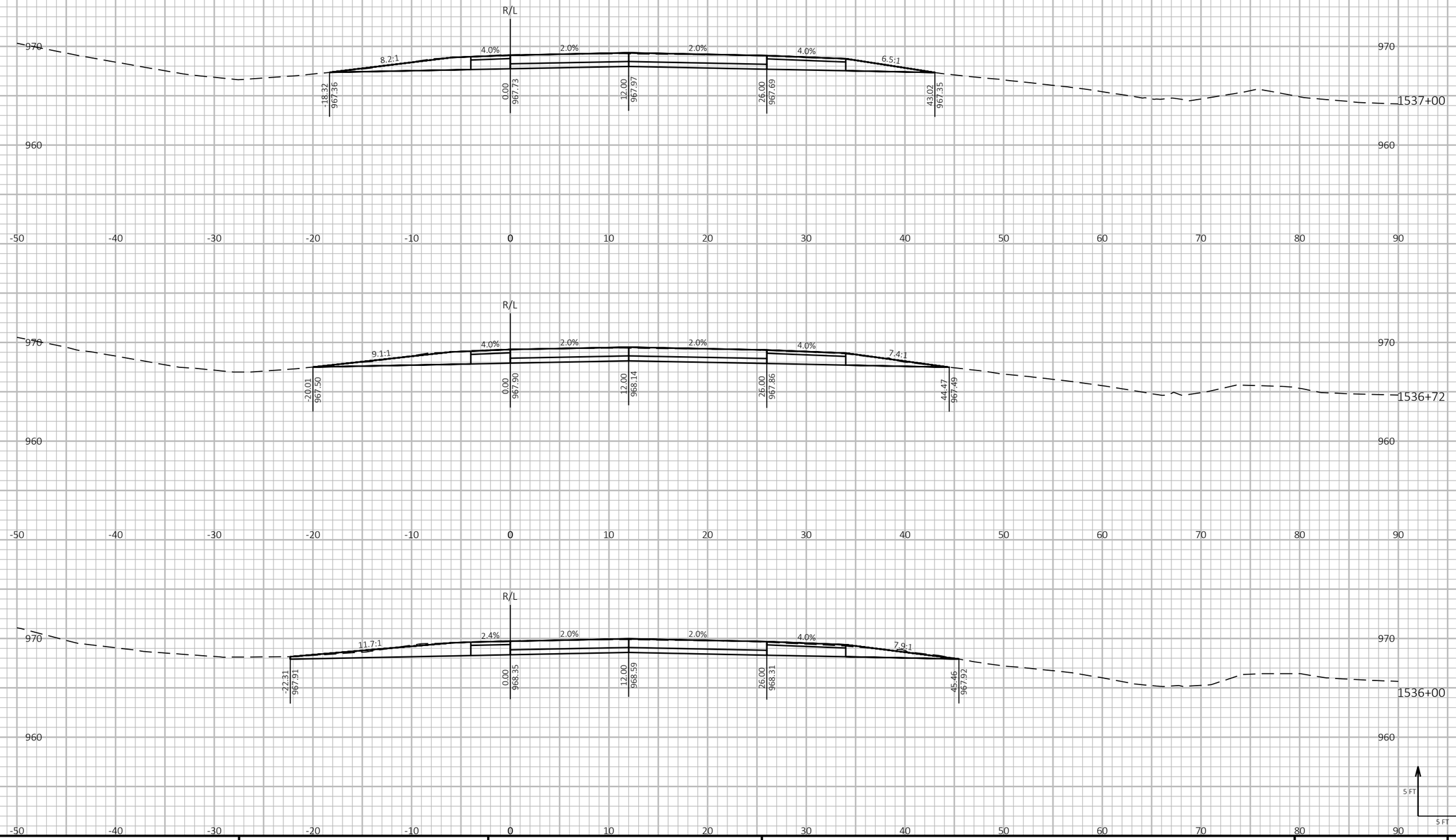
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 805	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 28

PLOT DATE : 7/26/2023 11:58 AM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 806	E

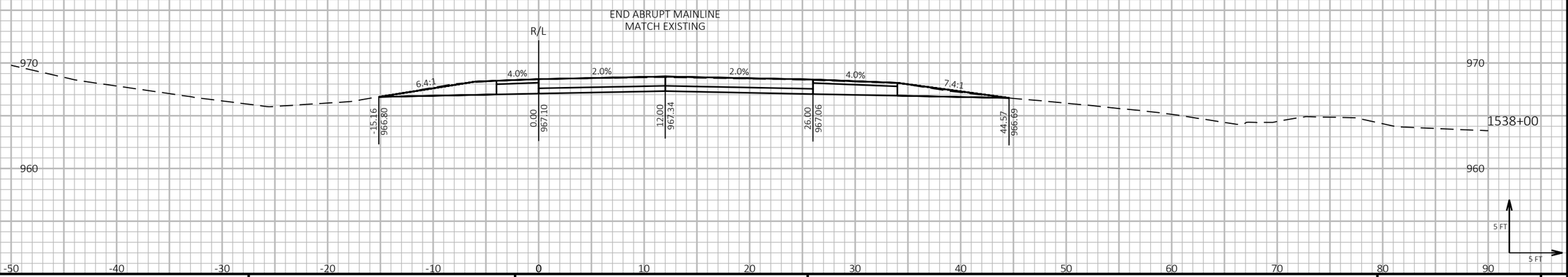
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 29

PLOT DATE : 7/26/2023 11:58 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 NB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB	SHEET 807	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 30

PLOT DATE : 7/26/2023 11:58 AM PLOT BY : AUSTIN STRAHL PLOT NAME :

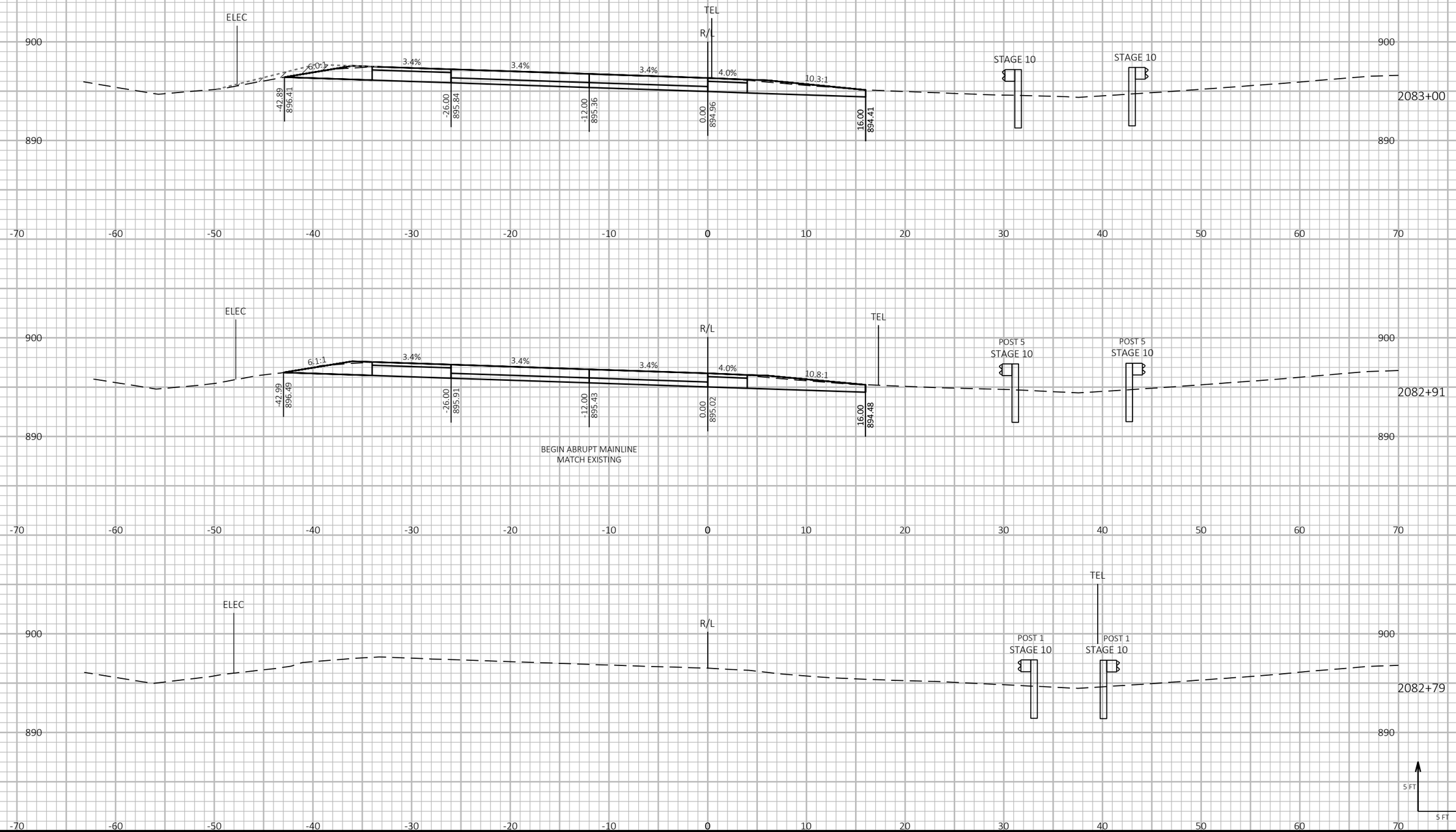
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 808	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 12:13 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

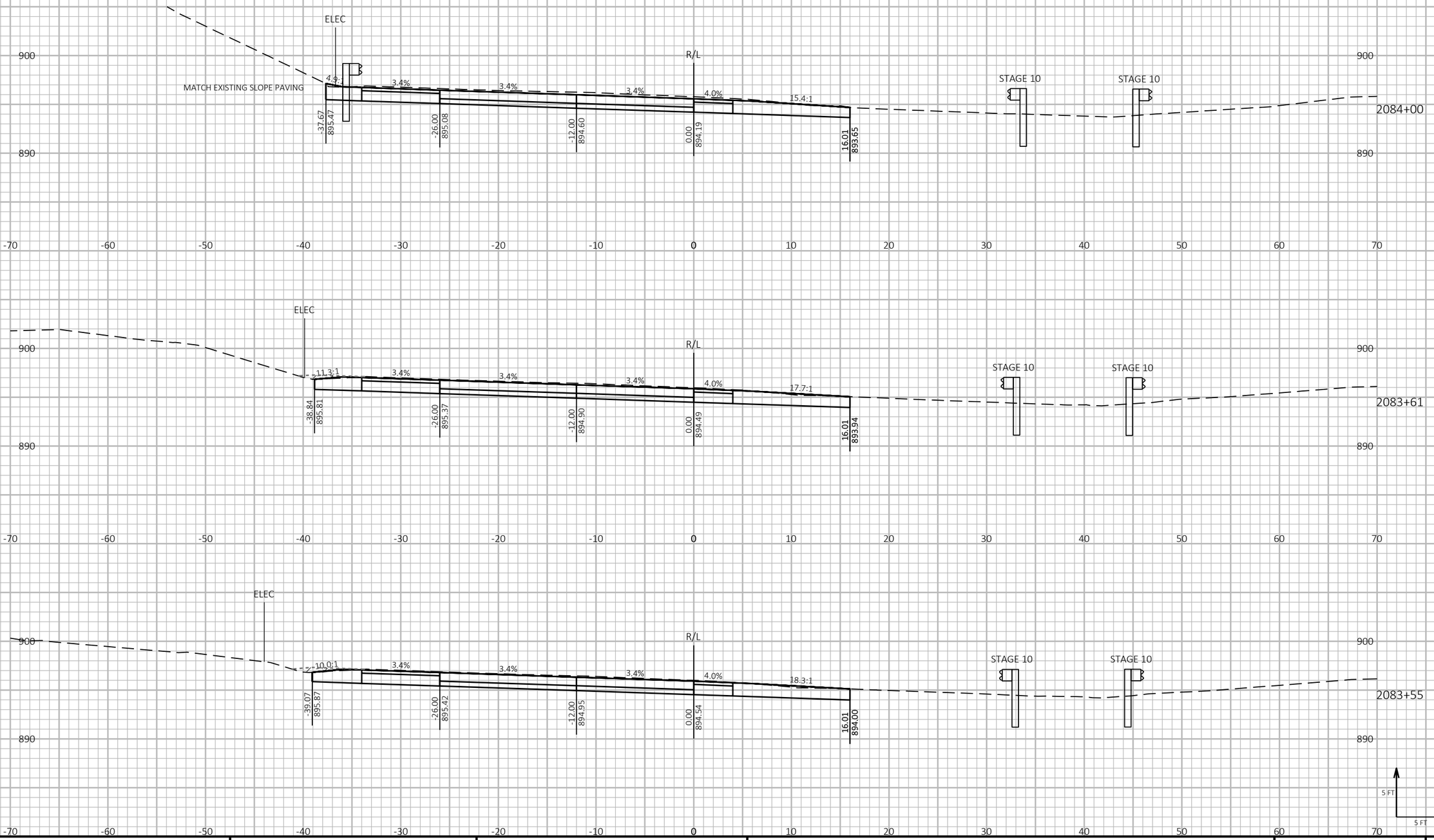
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 809	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 02

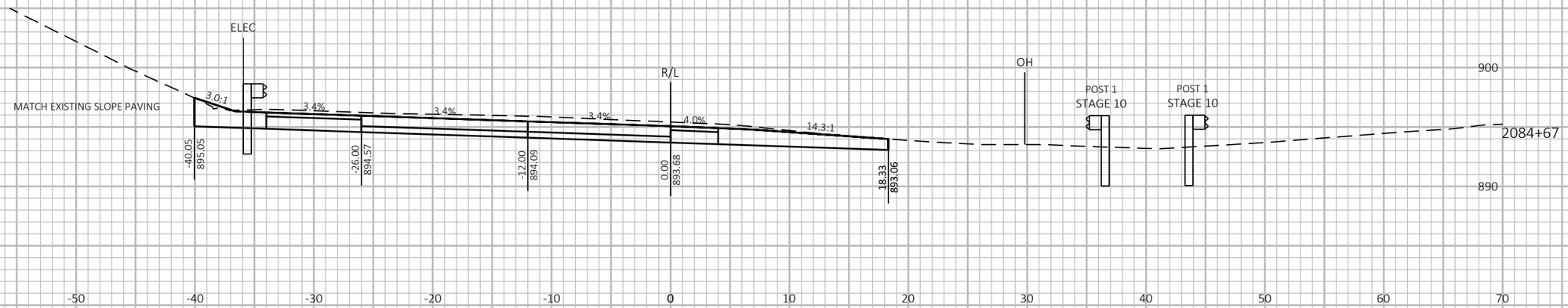
PLOT DATE : 7/26/2023 12:13 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

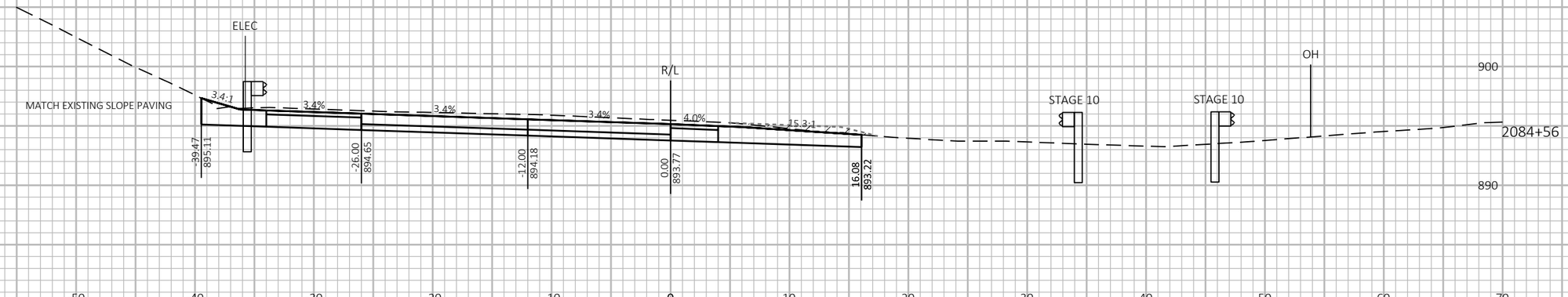
WISDOT/CADDS SHEET 49

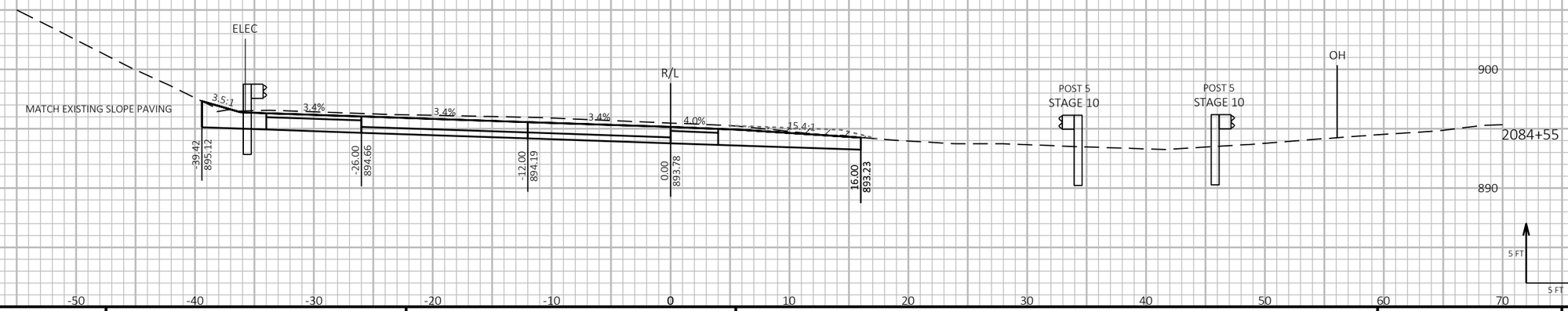
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 810	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 03

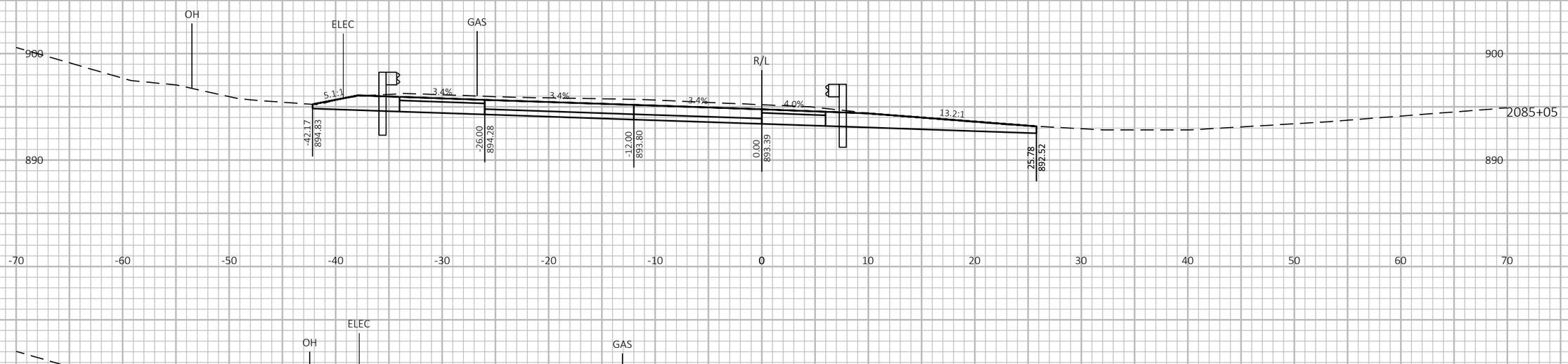
PLOT DATE : 7/26/2023 12:13 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

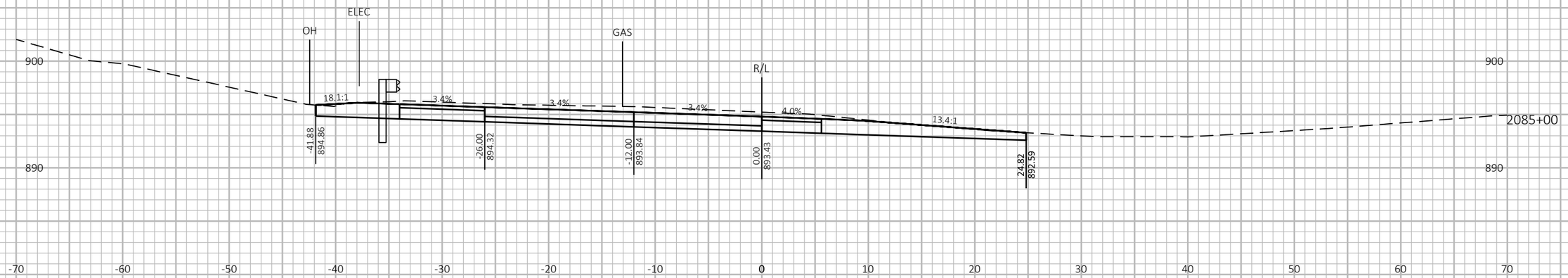
WISDOT/CADDS SHEET 49

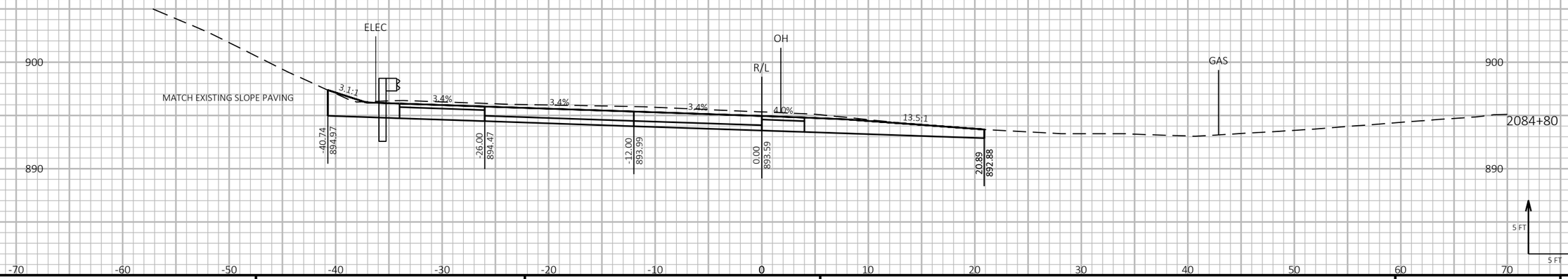
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 811	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 7/26/2023 12:13 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

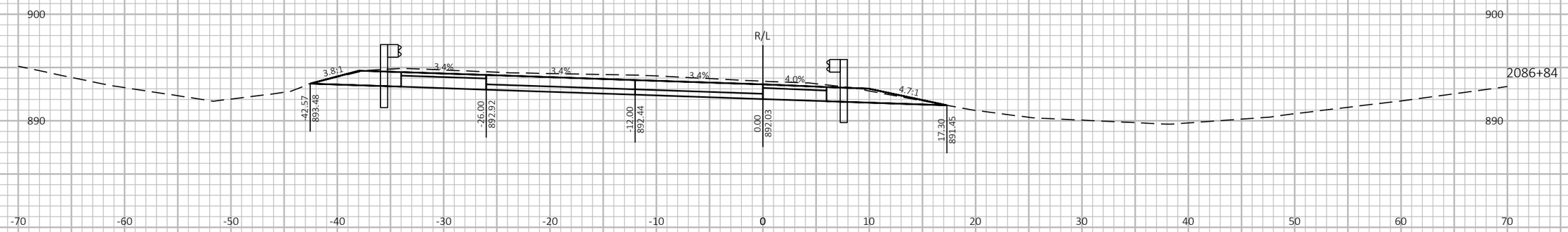
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

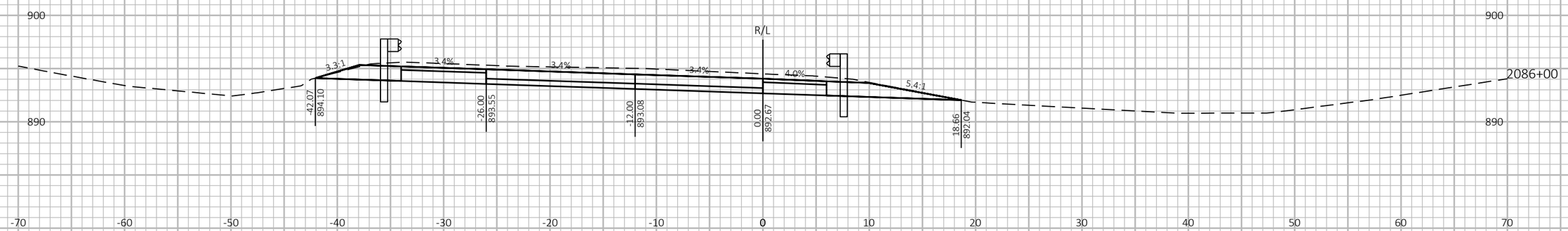
WISDOT/CADDS SHEET 49

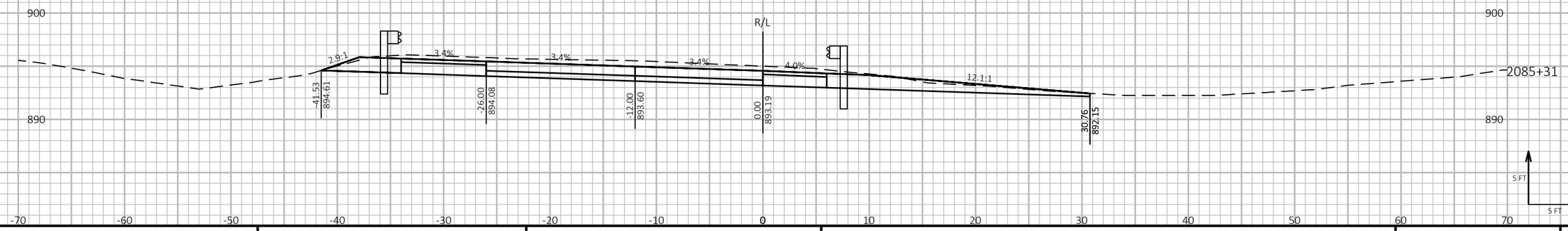
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 812	E

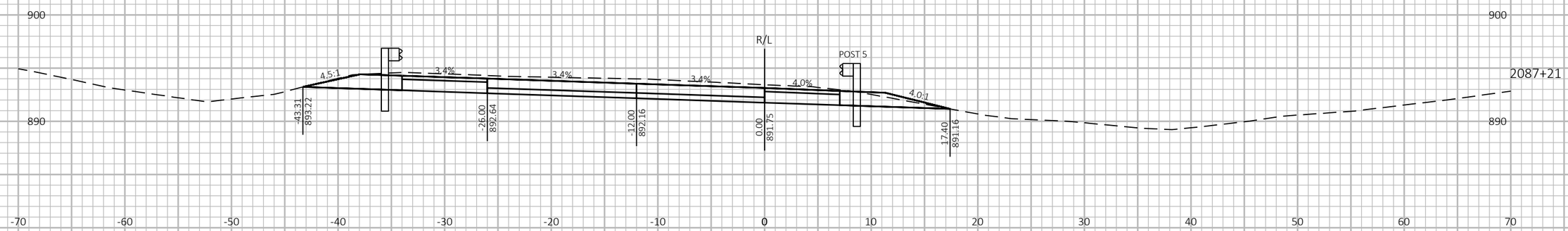
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LAYOUT NAME - 05

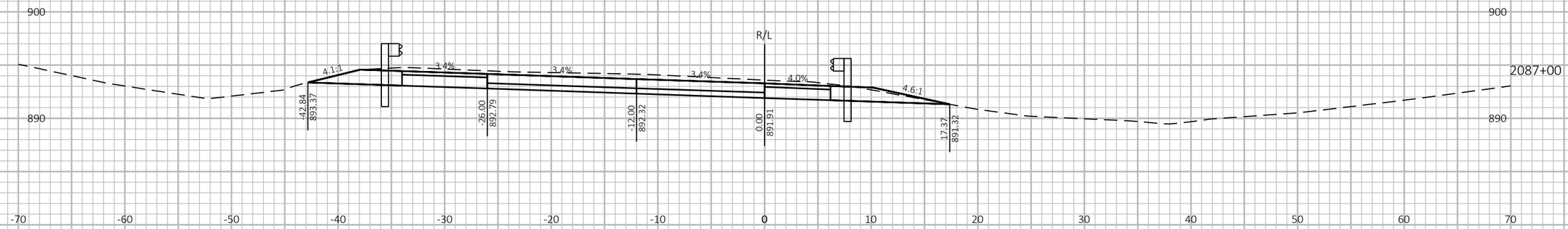
PLOT DATE : 7/26/2023 12:13 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

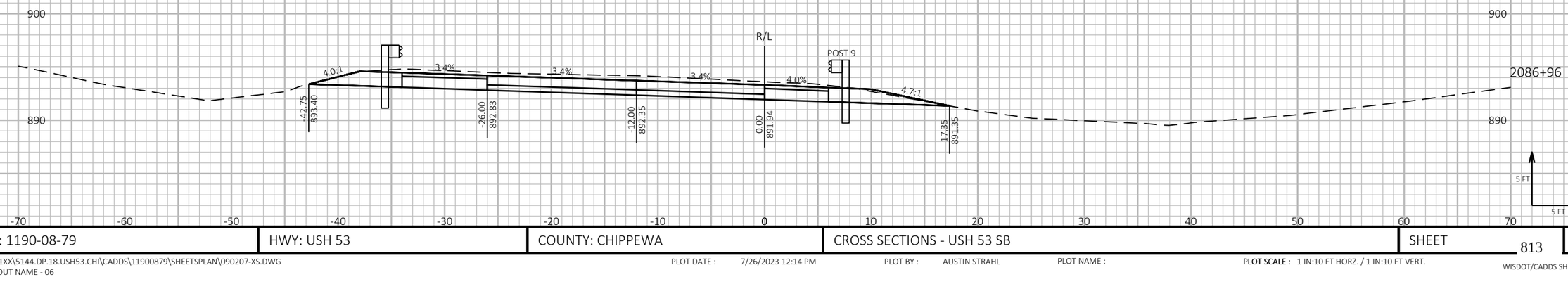
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 813	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 06

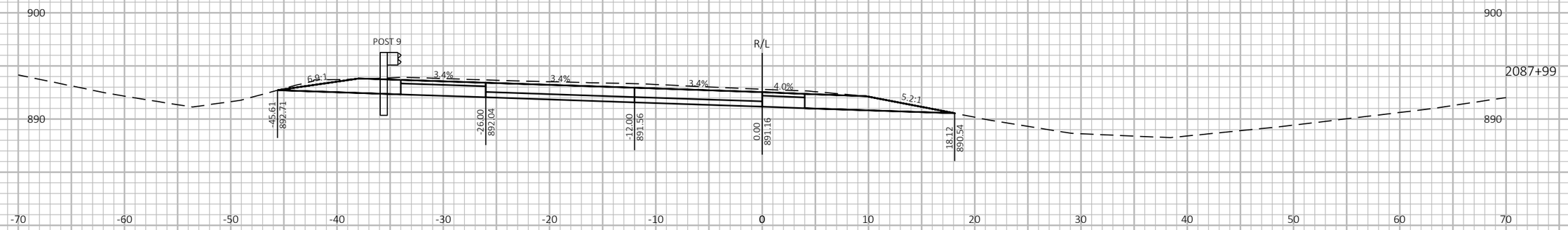
PLOT DATE : 7/26/2023 12:14 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

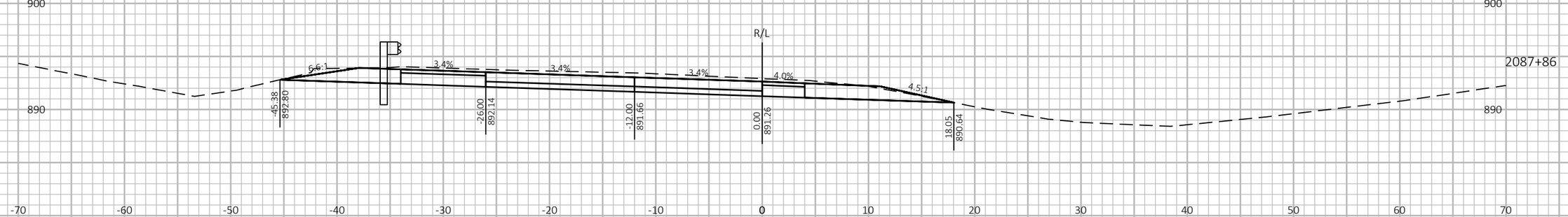
WISDOT/CADDS SHEET 49

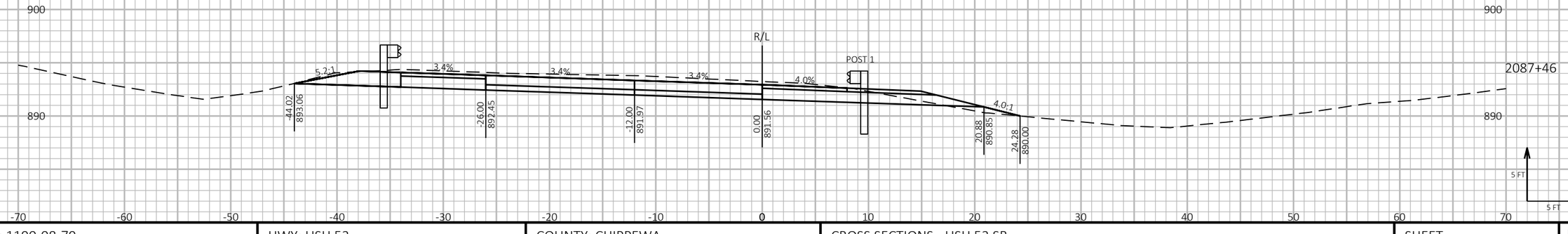
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 814	E

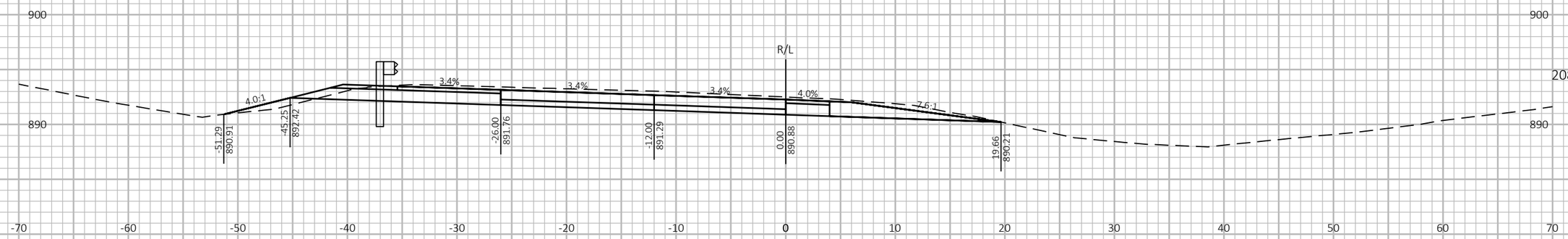
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LAYOUT NAME - 07

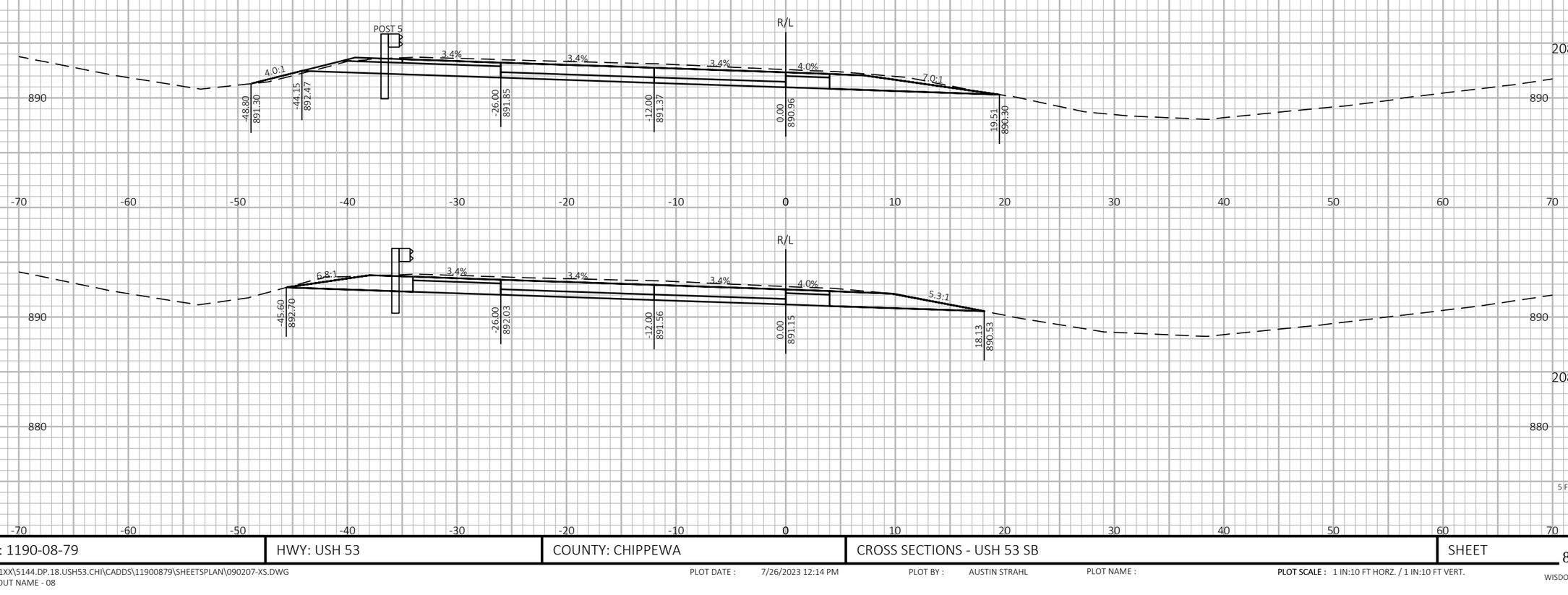
PLOT DATE : 7/26/2023 12:14 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT





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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 815 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 08

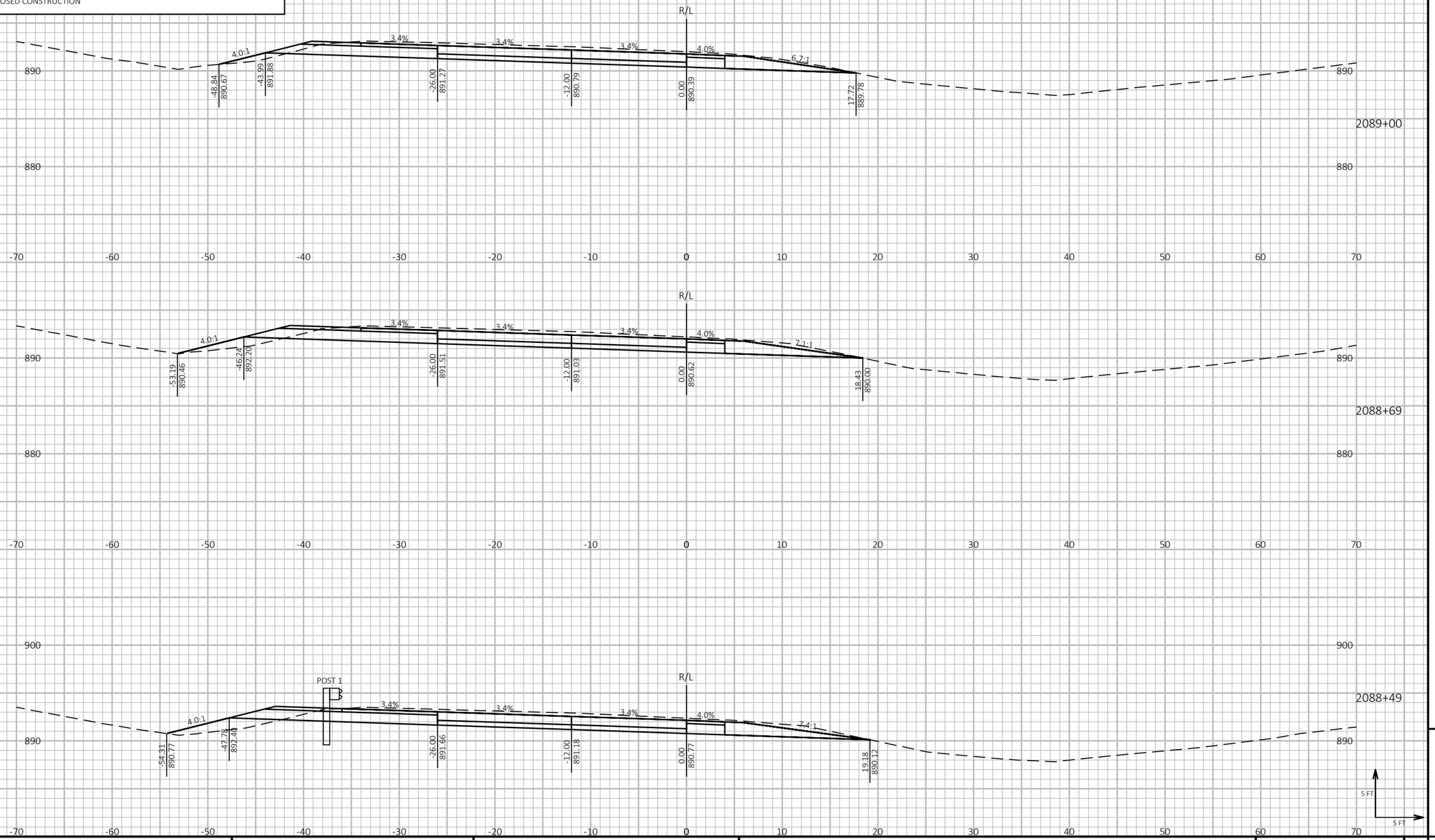
PLOT DATE : 7/26/2023 12:14 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 816	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 09

PLOT DATE : 7/26/2023 12:14 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

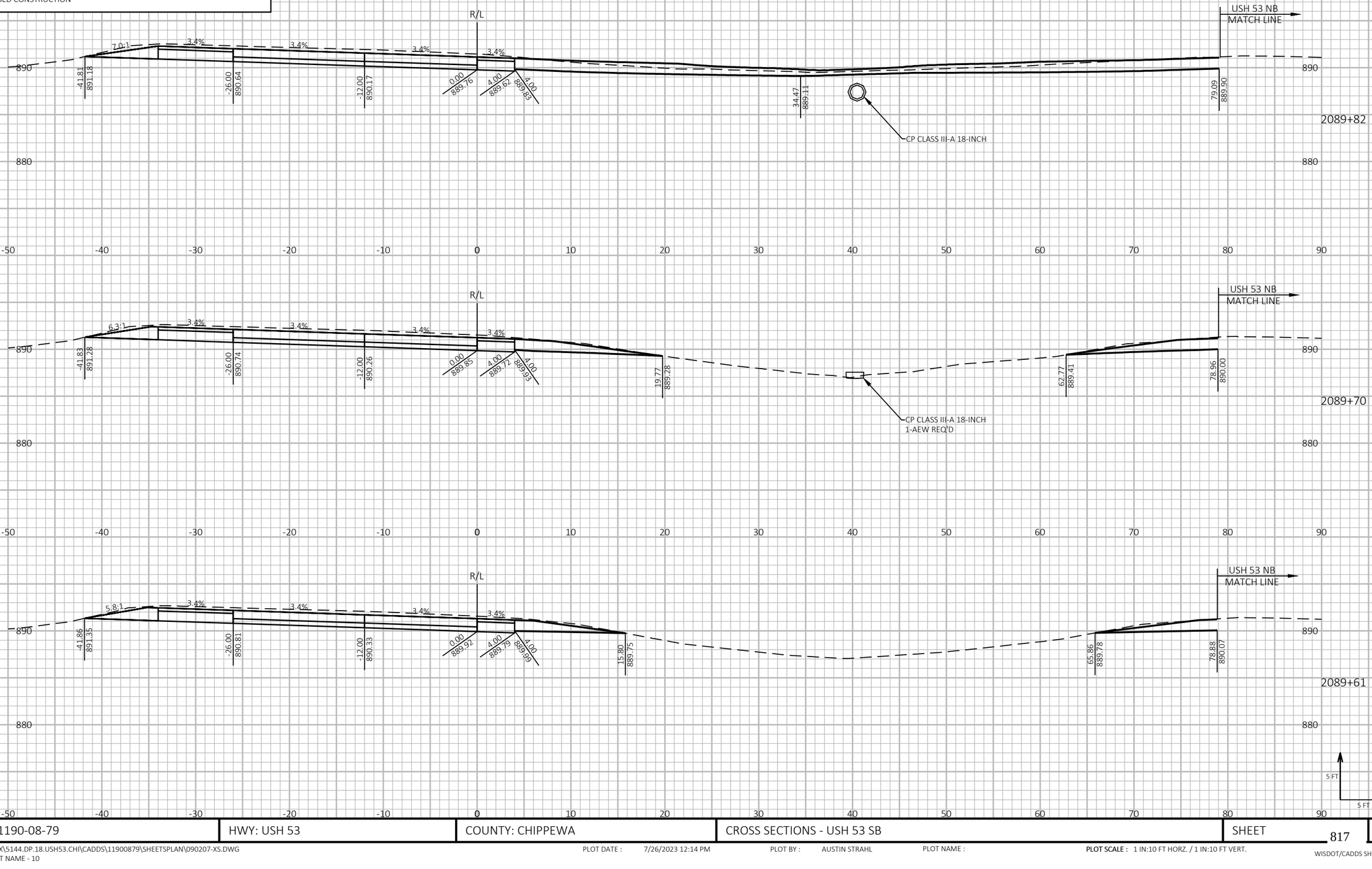
TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)

TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 817	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 10

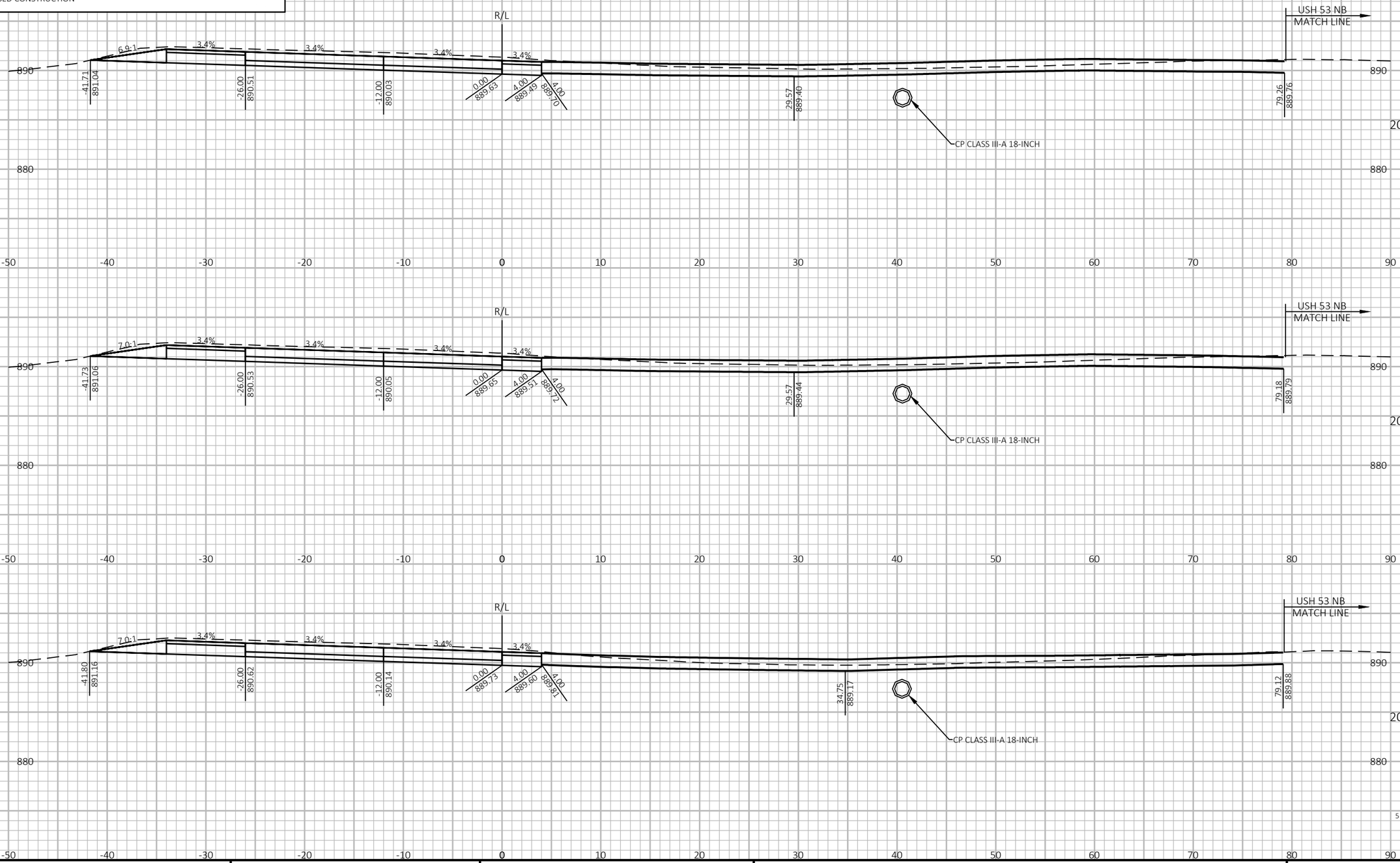
PLOT DATE : 7/26/2023 12:14 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 818	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 11

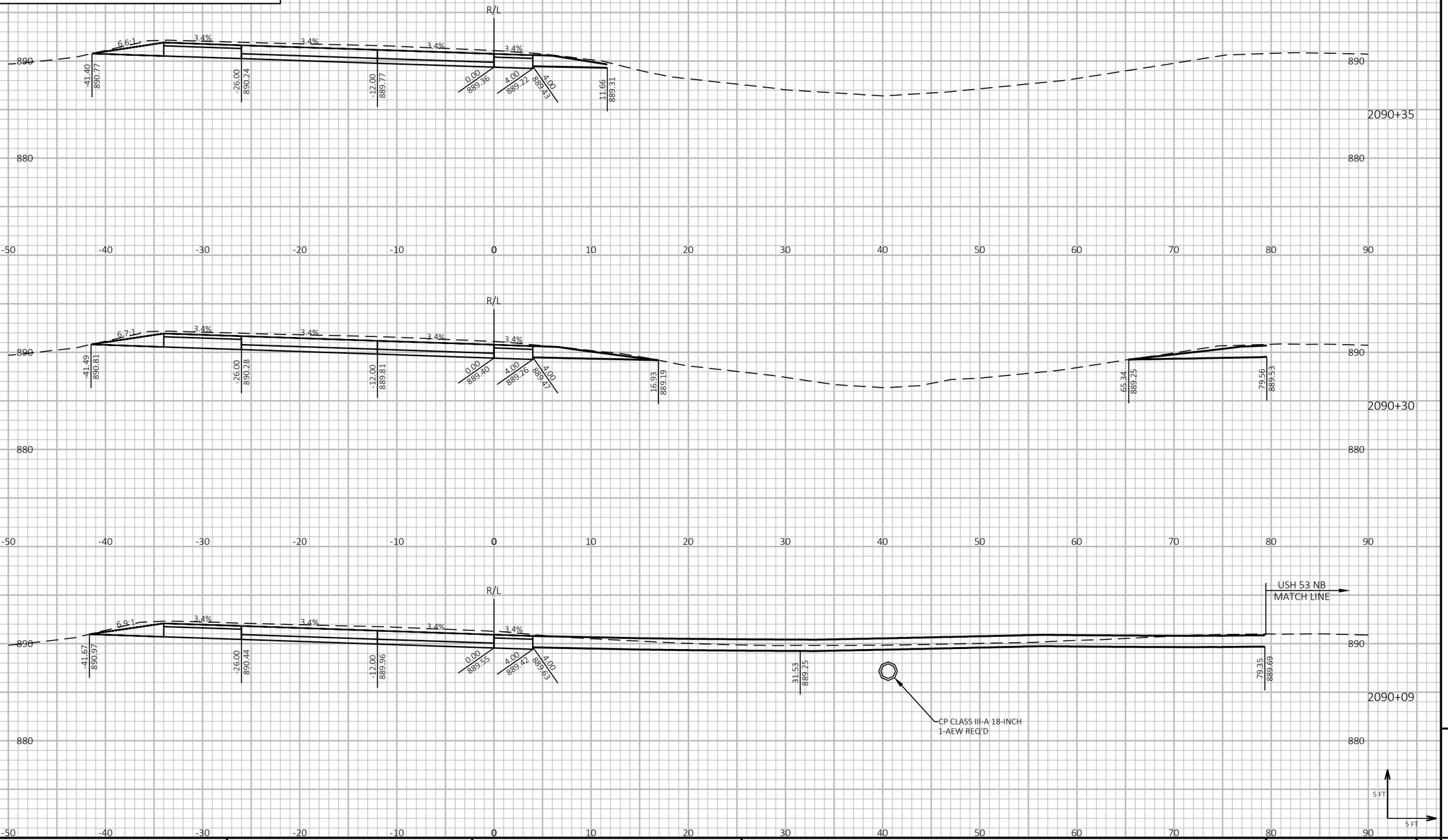
PLOT DATE : 7/26/2023 12:14 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 819	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 12

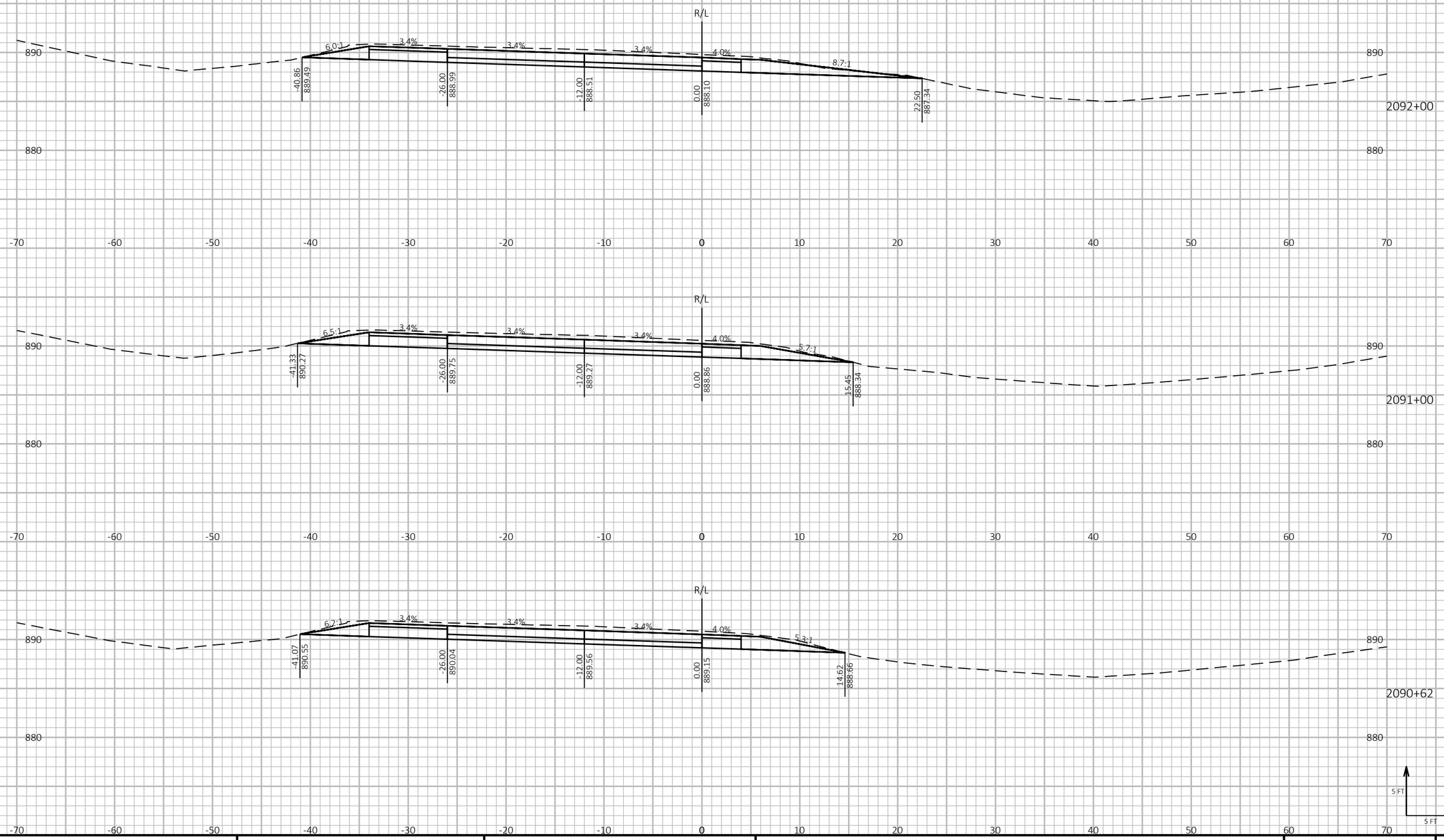
PLOT DATE : 7/26/2023 12:15 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 820	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 13

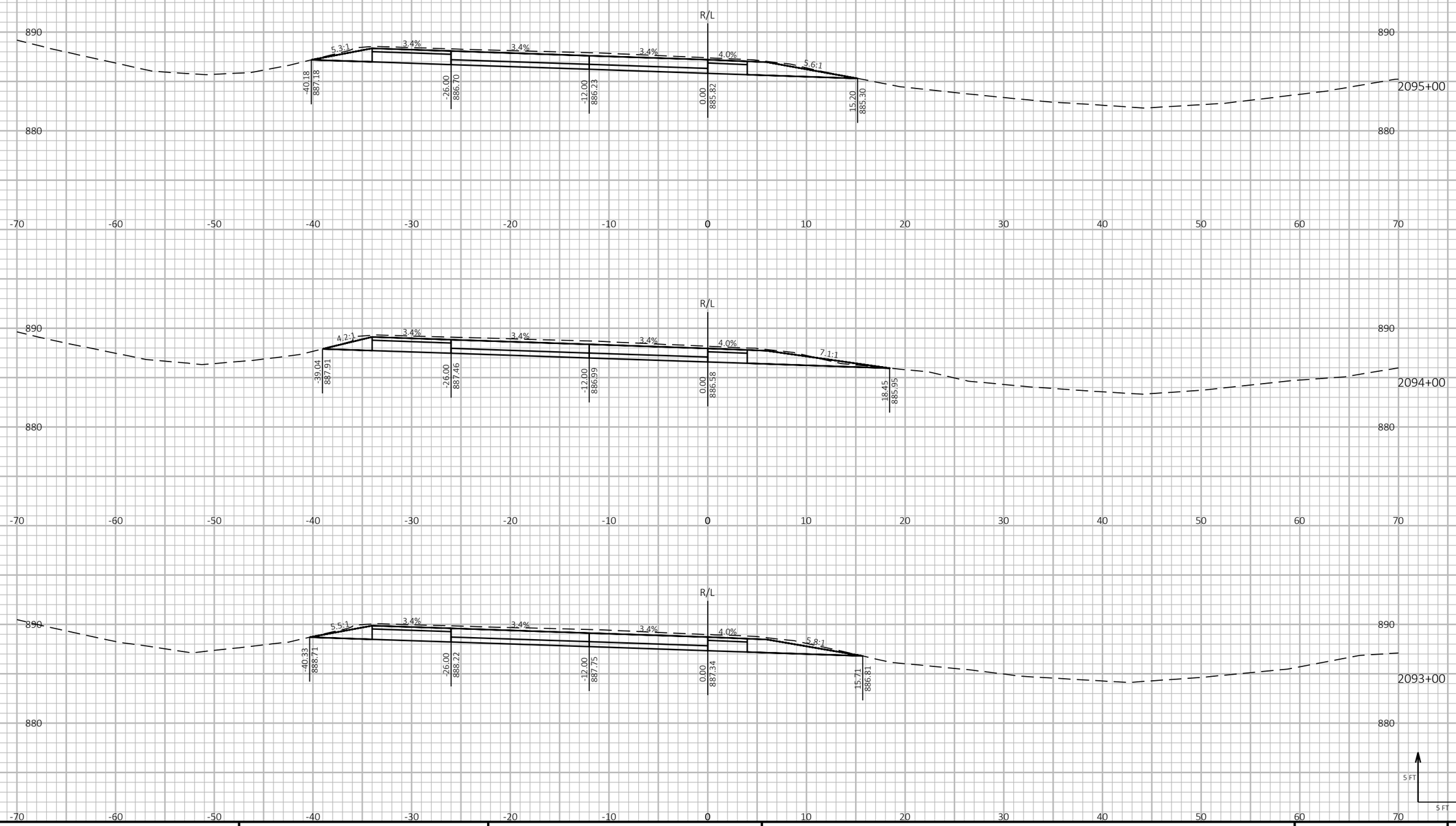
PLOT DATE : 7/26/2023 12:15 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 821	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 14

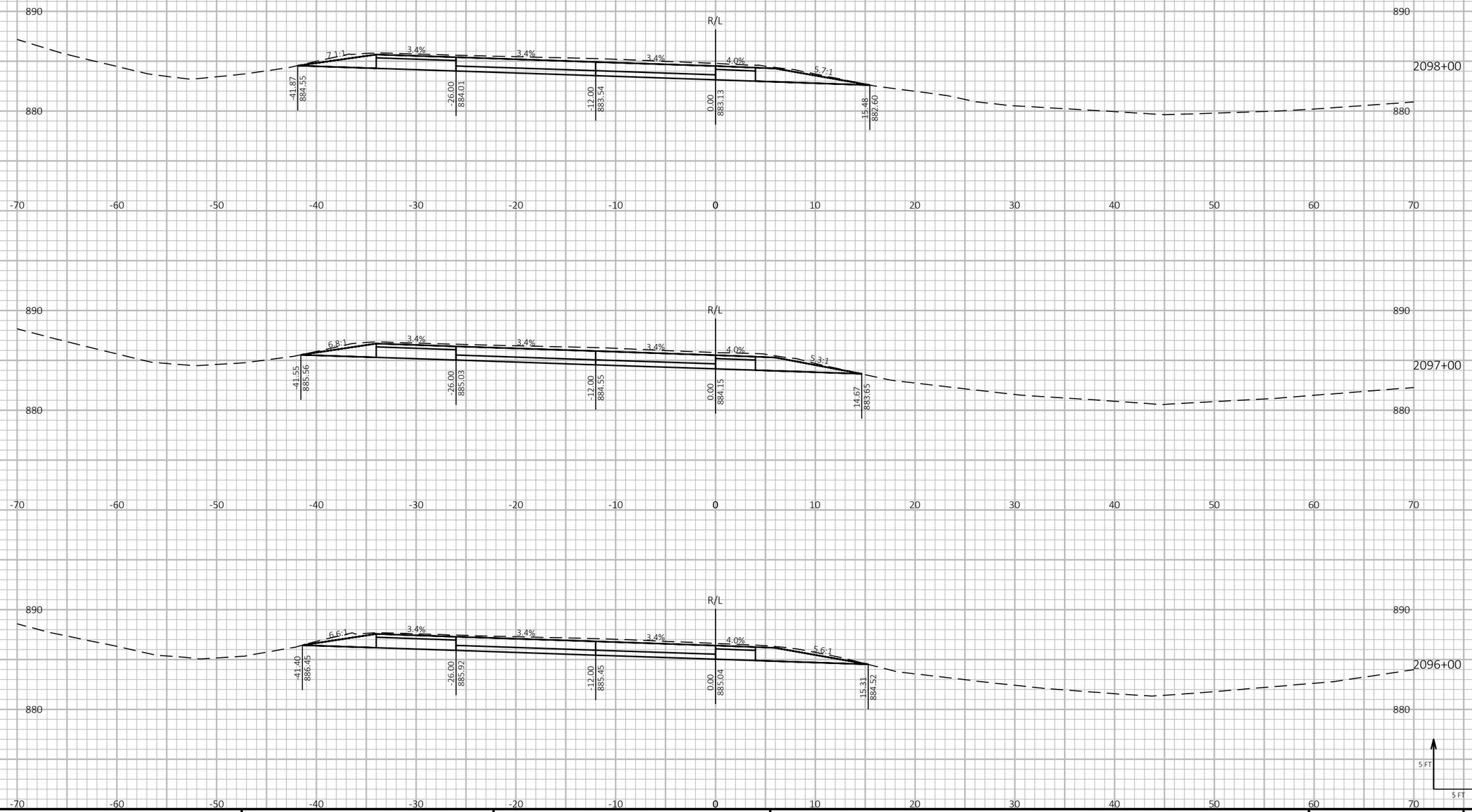
PLOT DATE : 7/26/2023 12:15 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 822	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 15

PLOT DATE : 7/26/2023 12:15 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

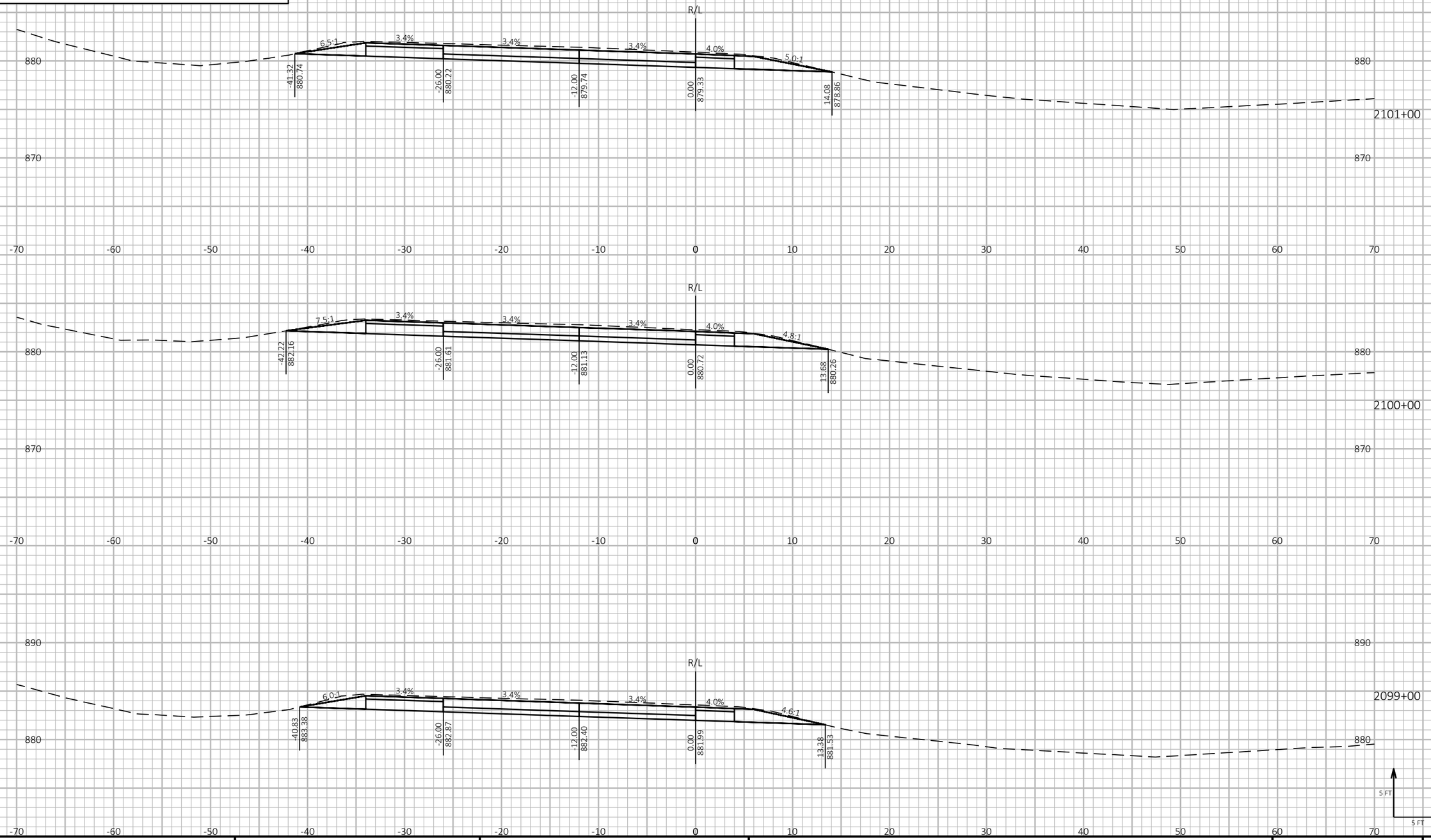
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 823	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 16

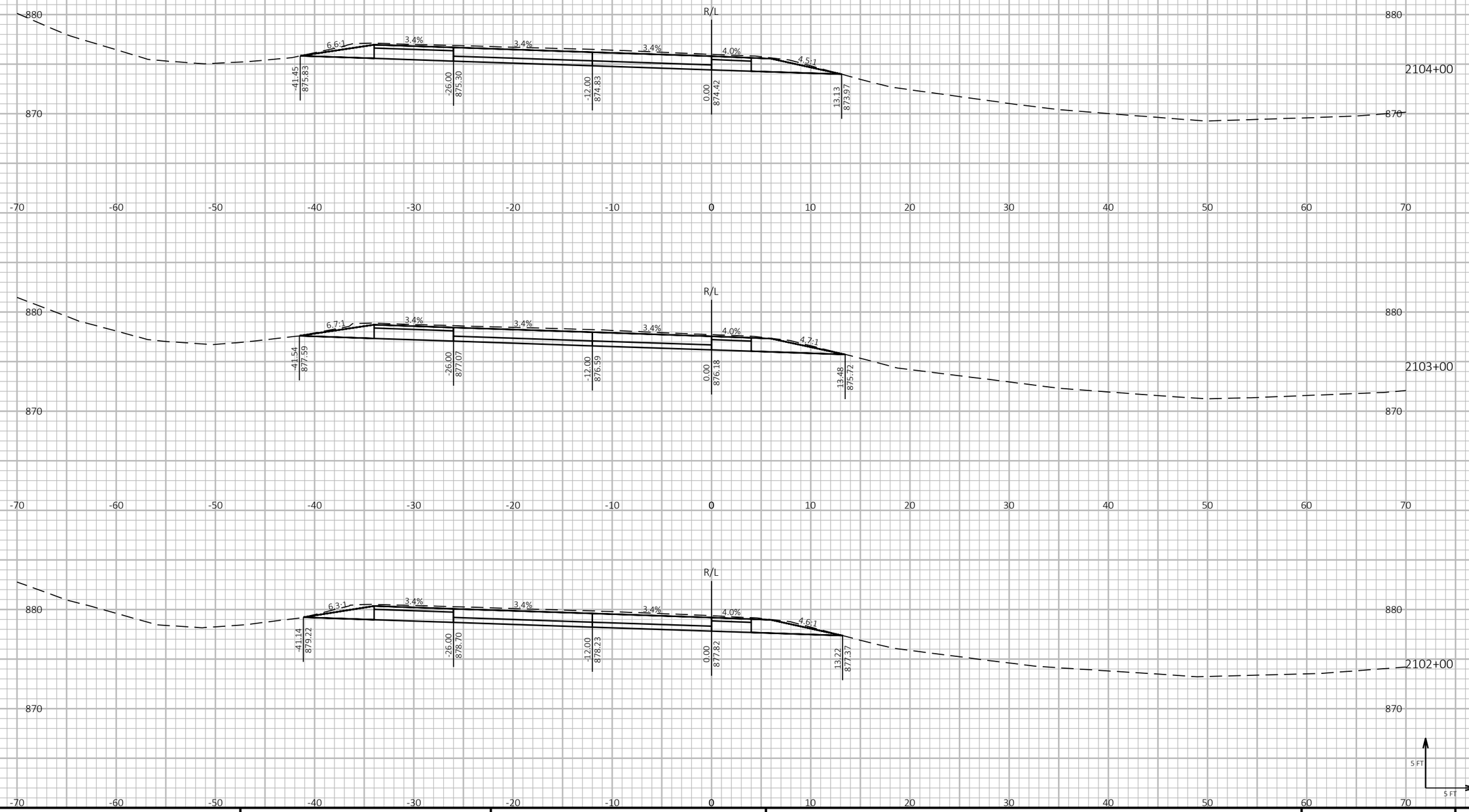
PLOT DATE : 7/26/2023 12:15 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 824	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 17

PLOT DATE : 7/26/2023 12:15 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

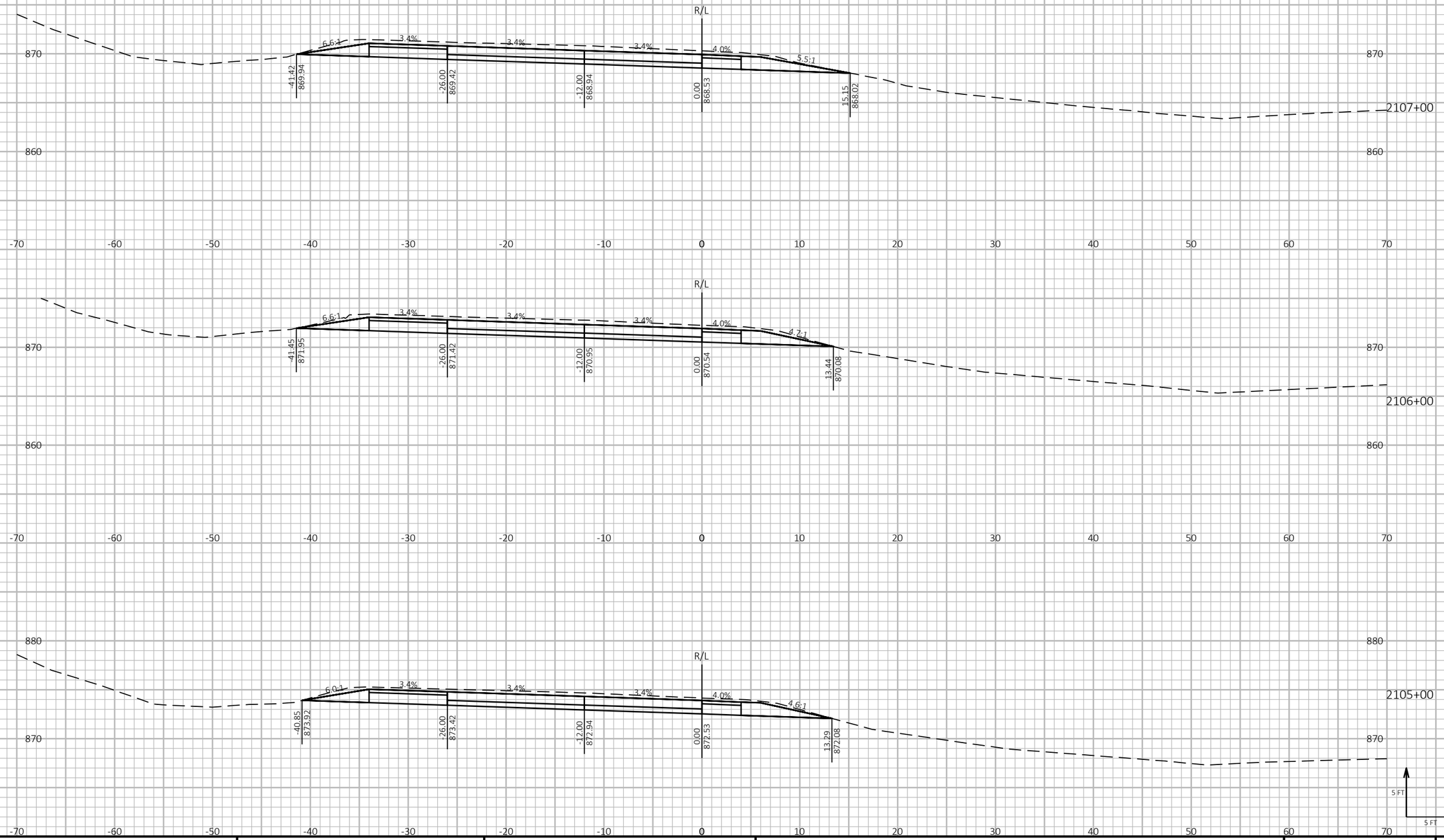
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT

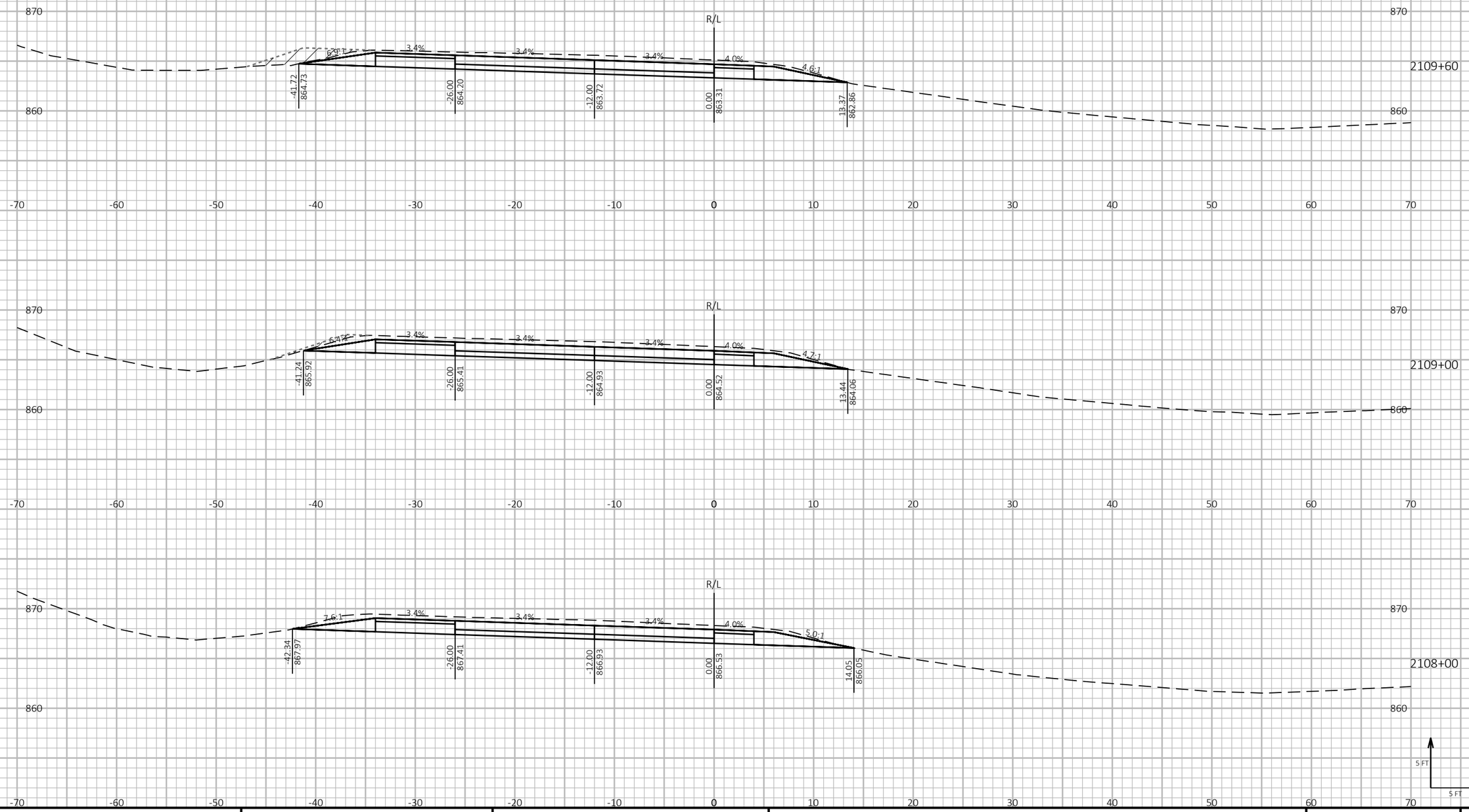


PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 825	E

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 826 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 19

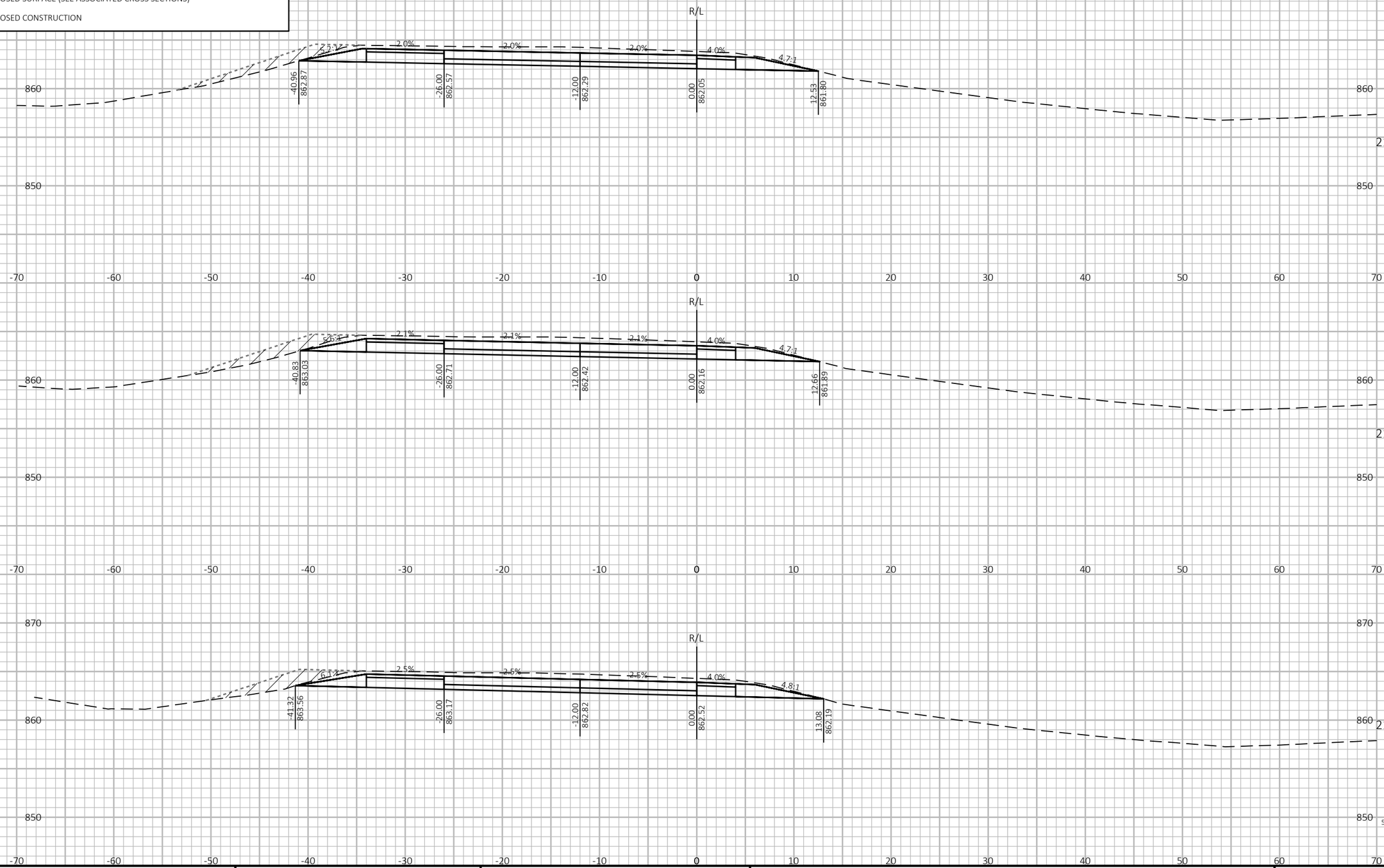
PLOT DATE : 7/26/2023 12:16 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 827	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 20

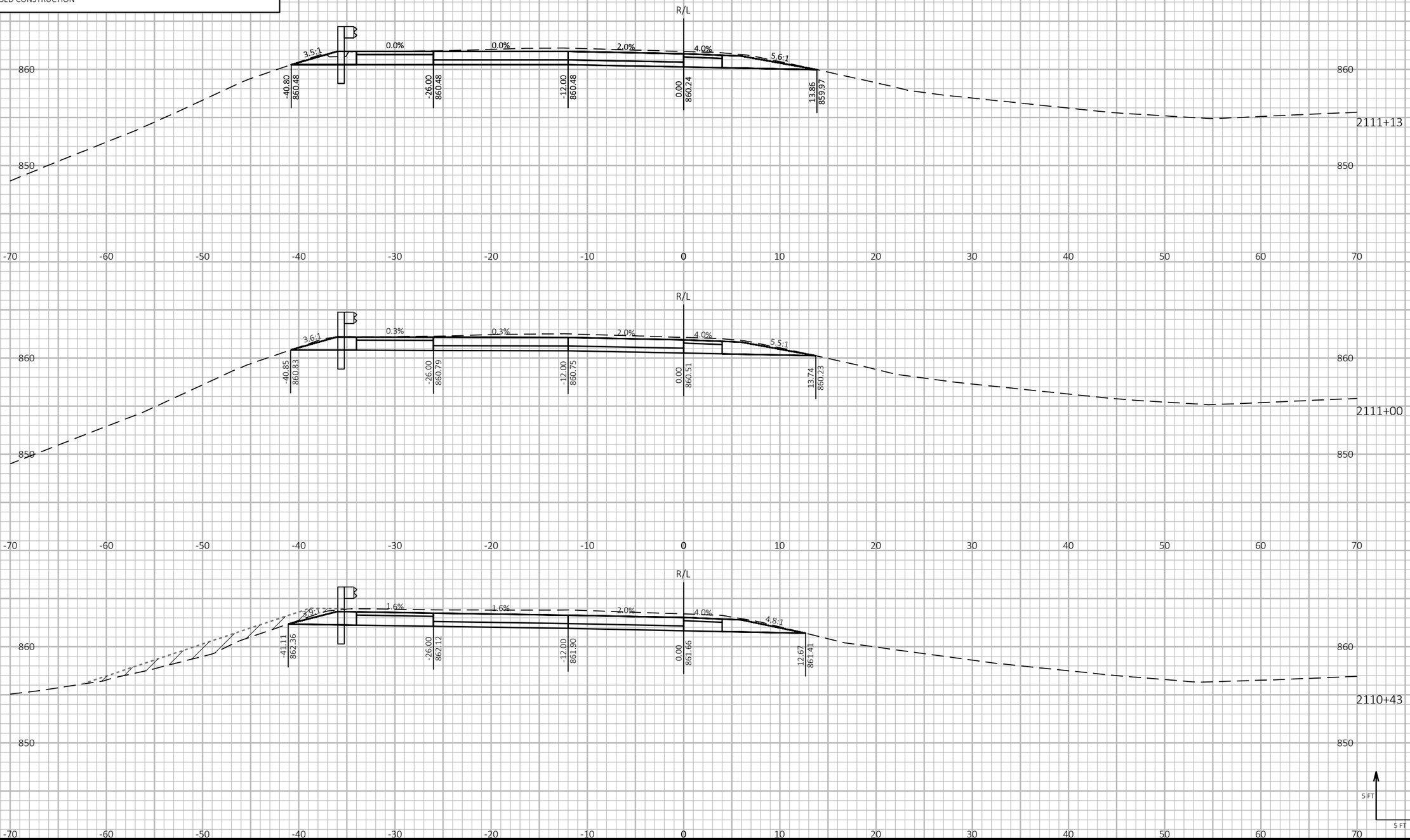
PLOT DATE : 7/26/2023 12:16 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 828	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 21

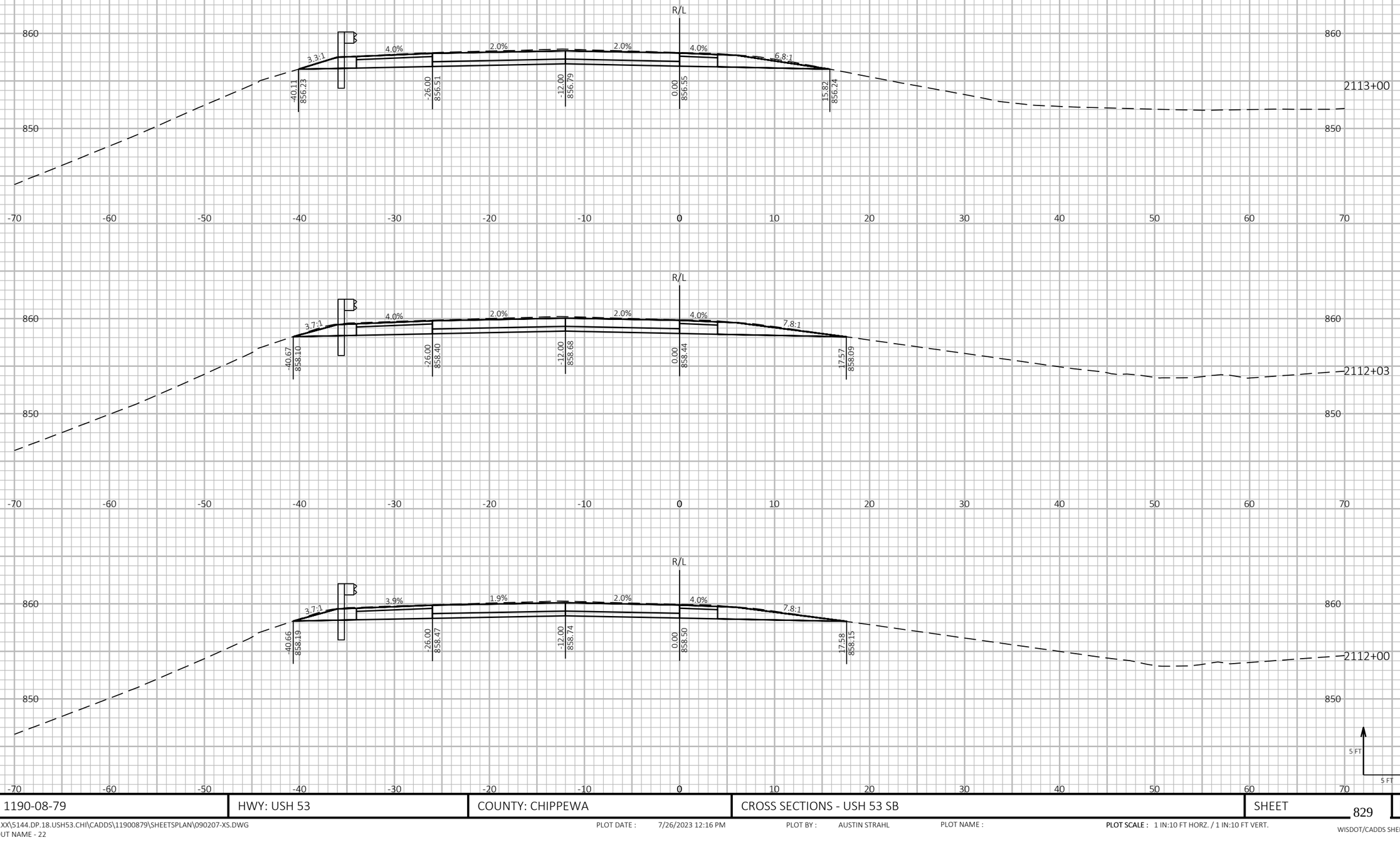
PLOT DATE : 7/26/2023 12:16 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 829	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 22

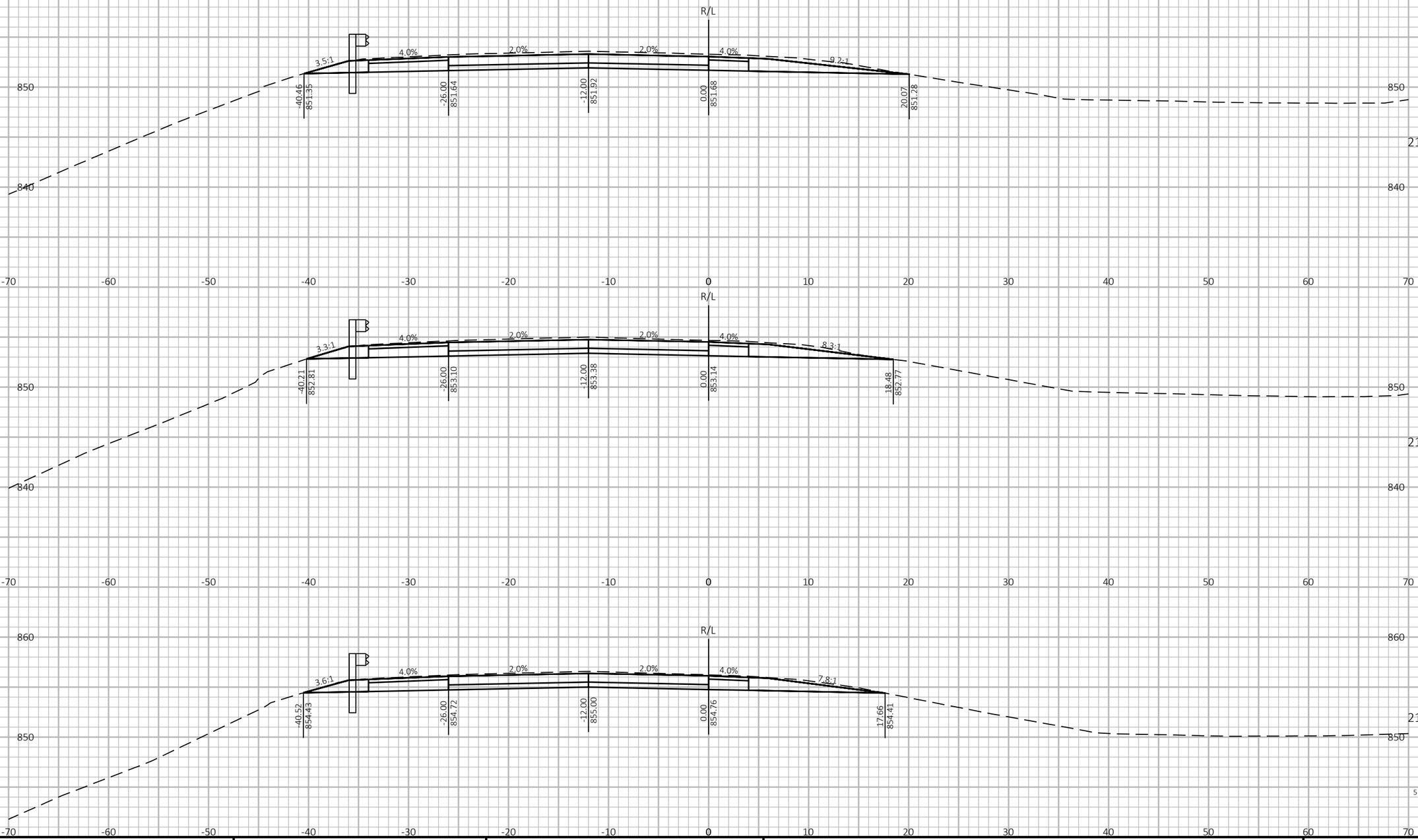
PLOT DATE : 7/26/2023 12:16 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 830	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 23

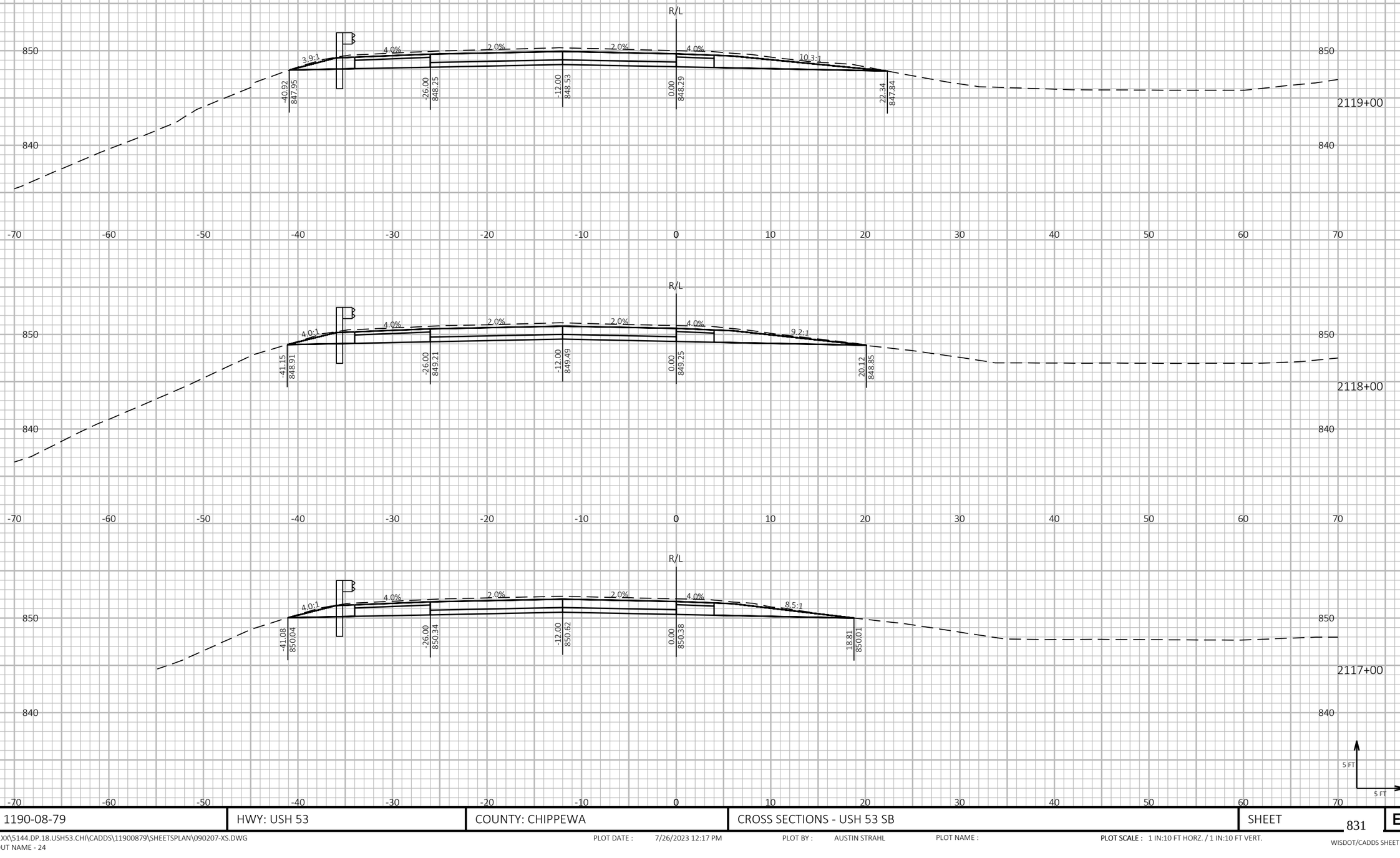
PLOT DATE : 7/26/2023 12:16 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 831	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 24

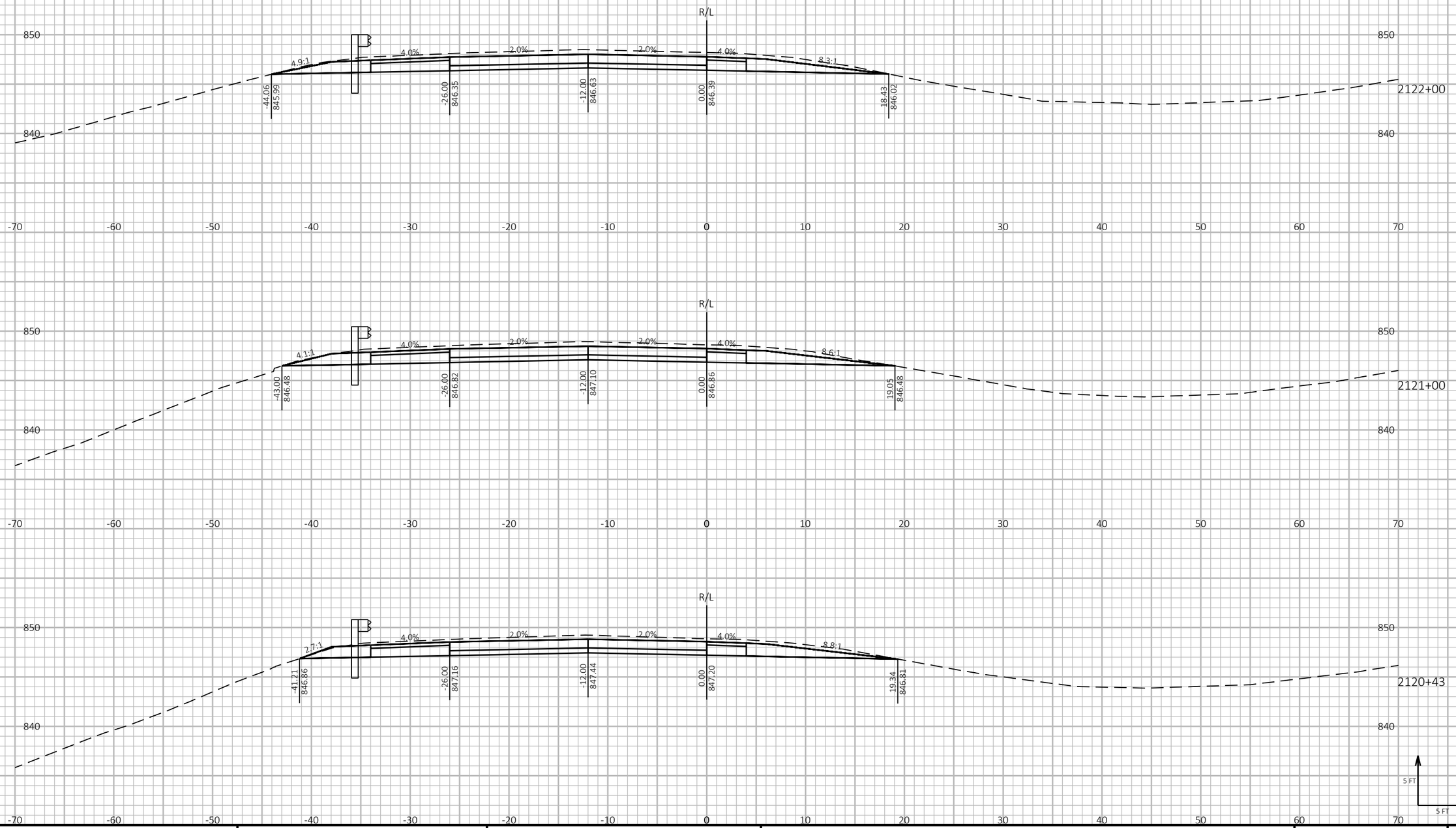
PLOT DATE : 7/26/2023 12:17 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 832	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 25

PLOT DATE : 7/26/2023 12:17 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

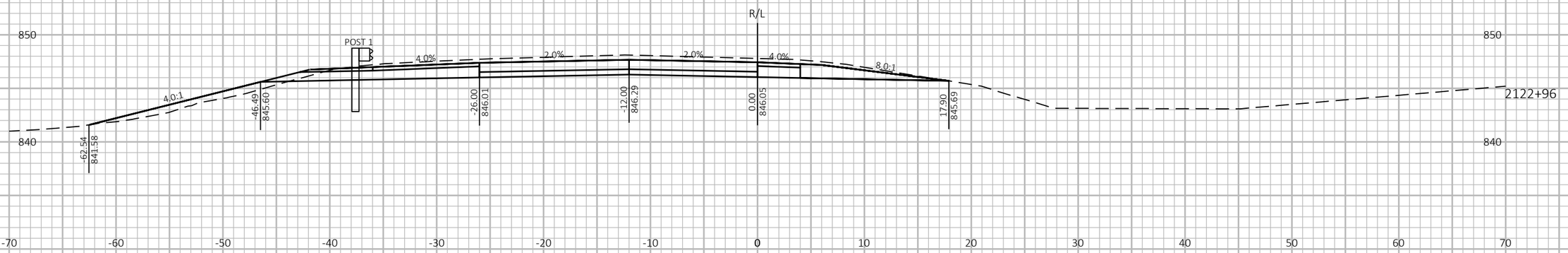
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

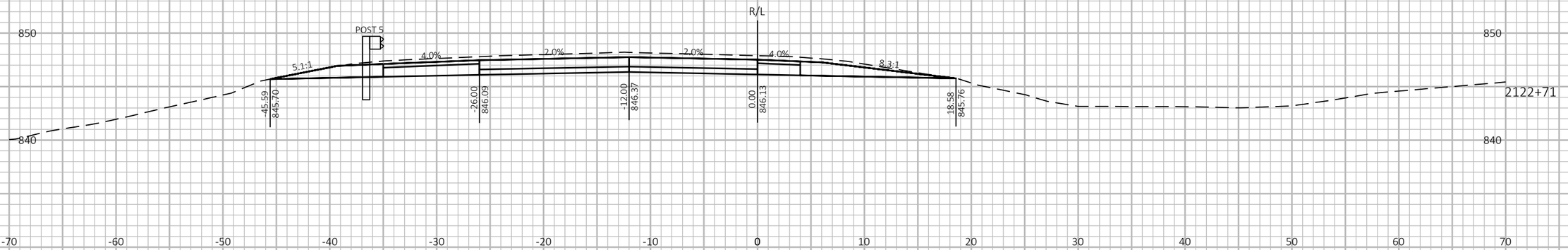
WISDOT/CADDS SHEET 49

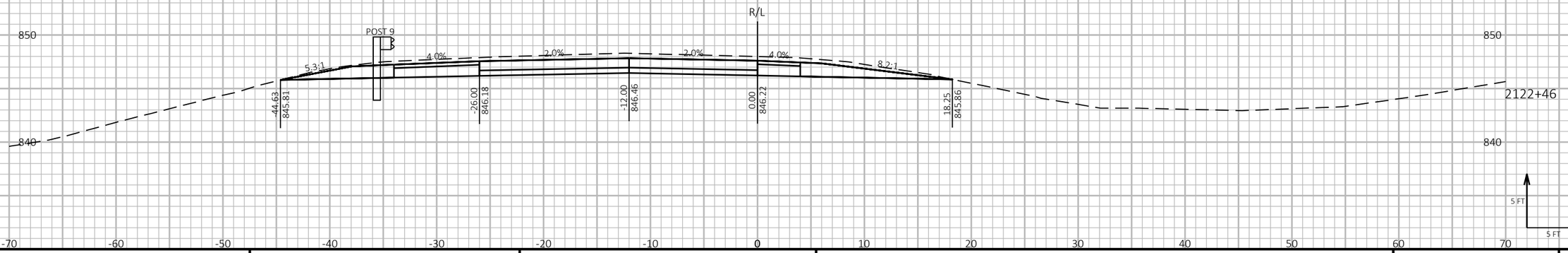
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 833	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 26

PLOT DATE : 7/26/2023 12:17 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

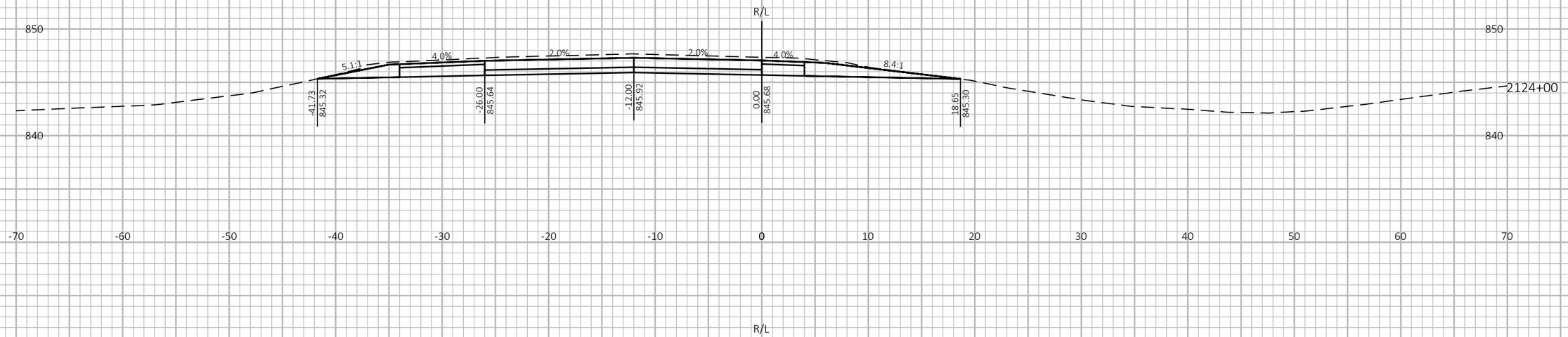
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

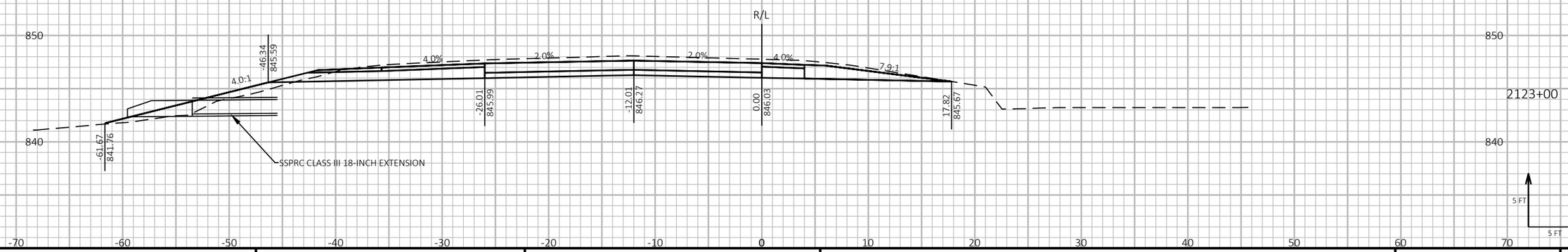
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 834	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 27

PLOT DATE : 7/26/2023 12:17 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

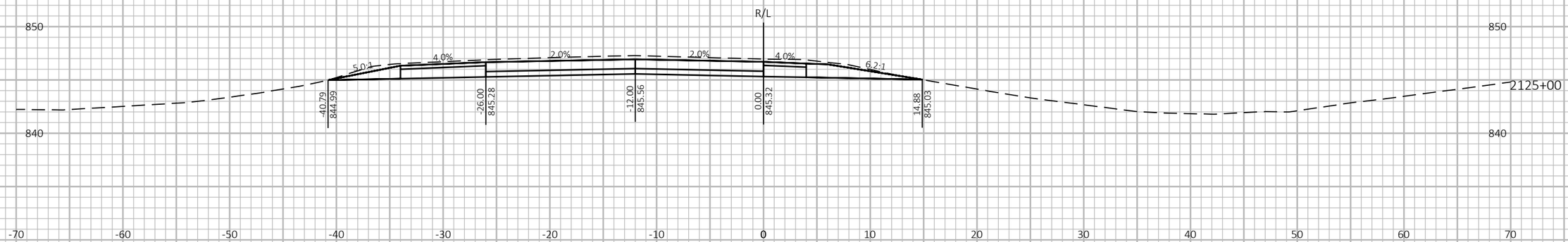
WISDOT/CADDS SHEET 49

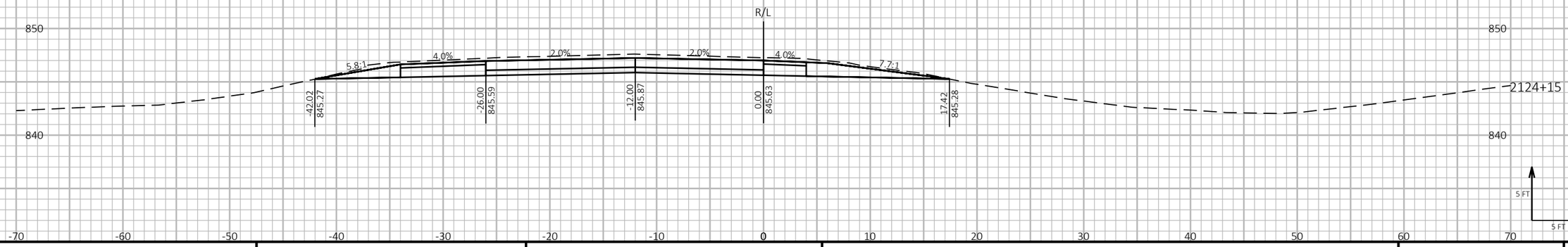
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 835	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 28

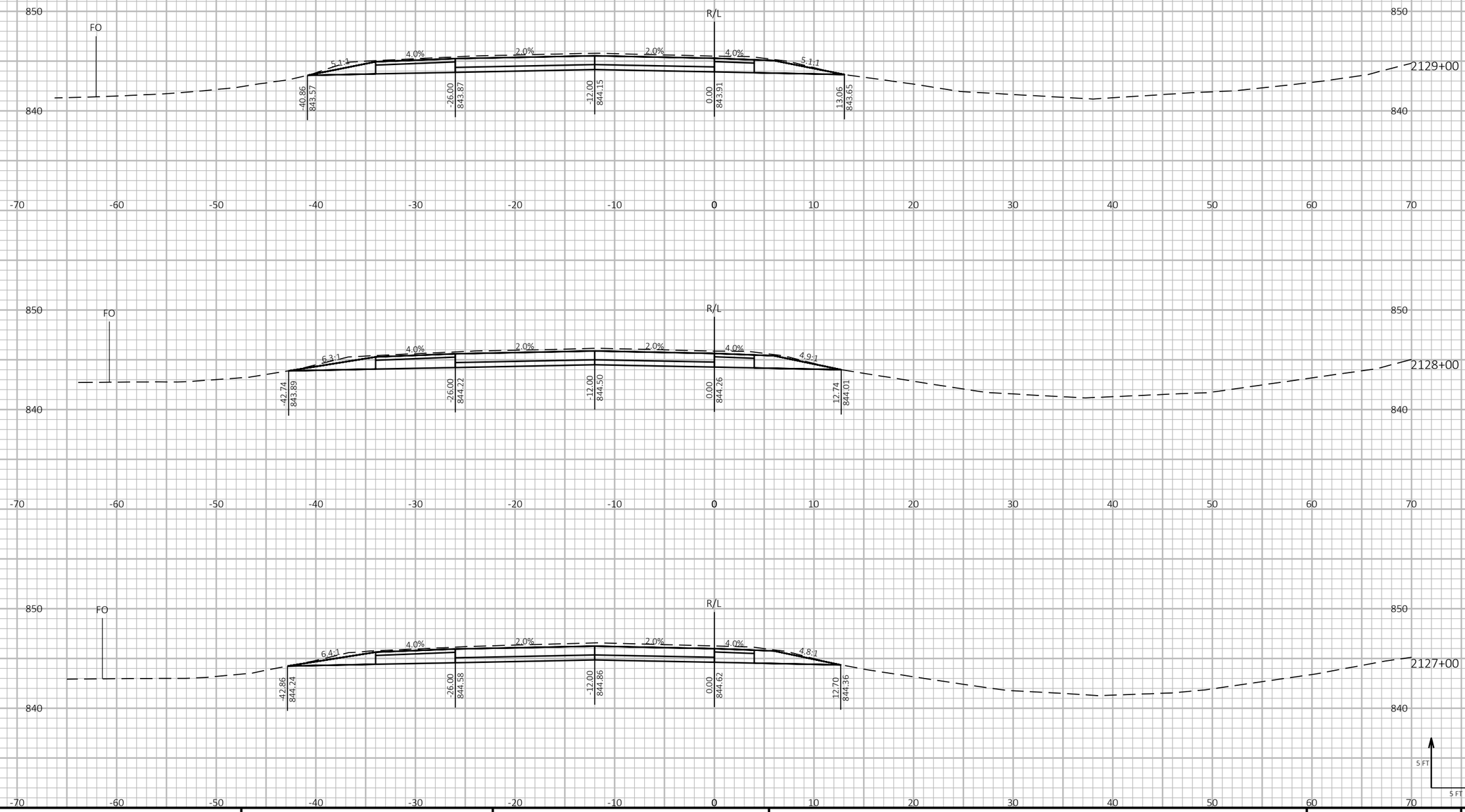
PLOT DATE : 7/26/2023 12:17 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 836	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 29

PLOT DATE : 7/26/2023 12:17 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

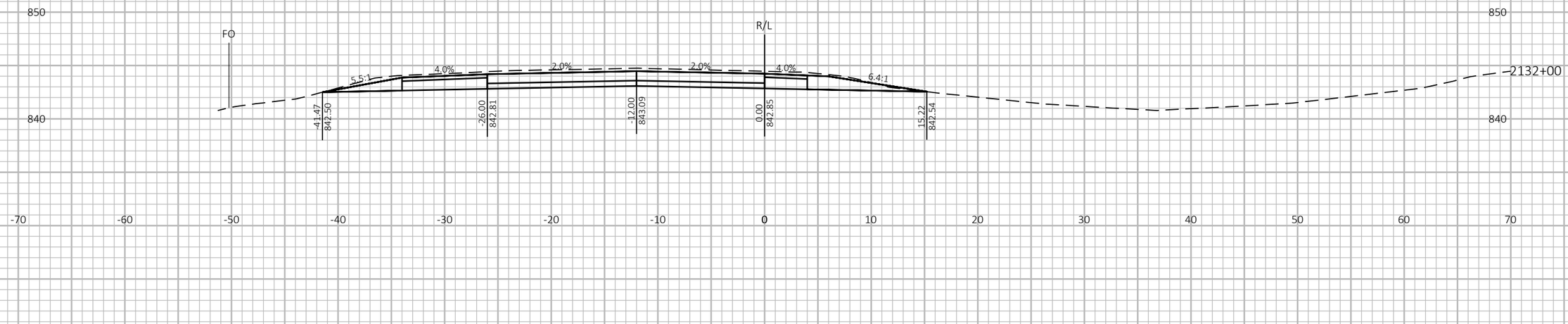
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

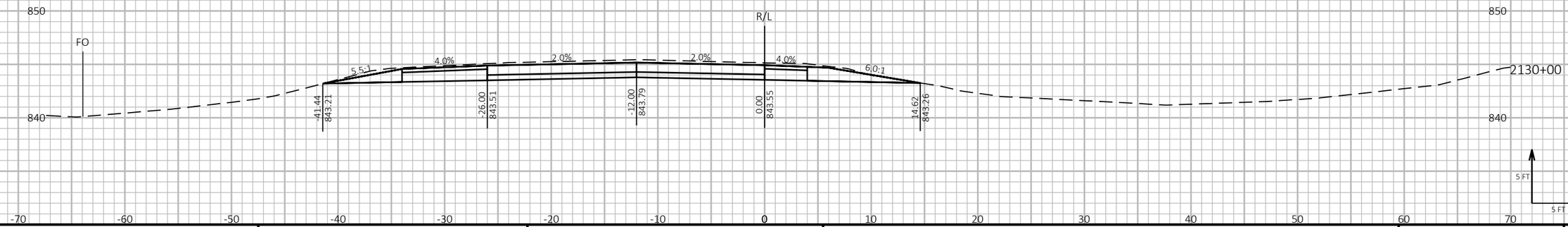
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 837	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 30

PLOT DATE : 7/26/2023 12:18 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

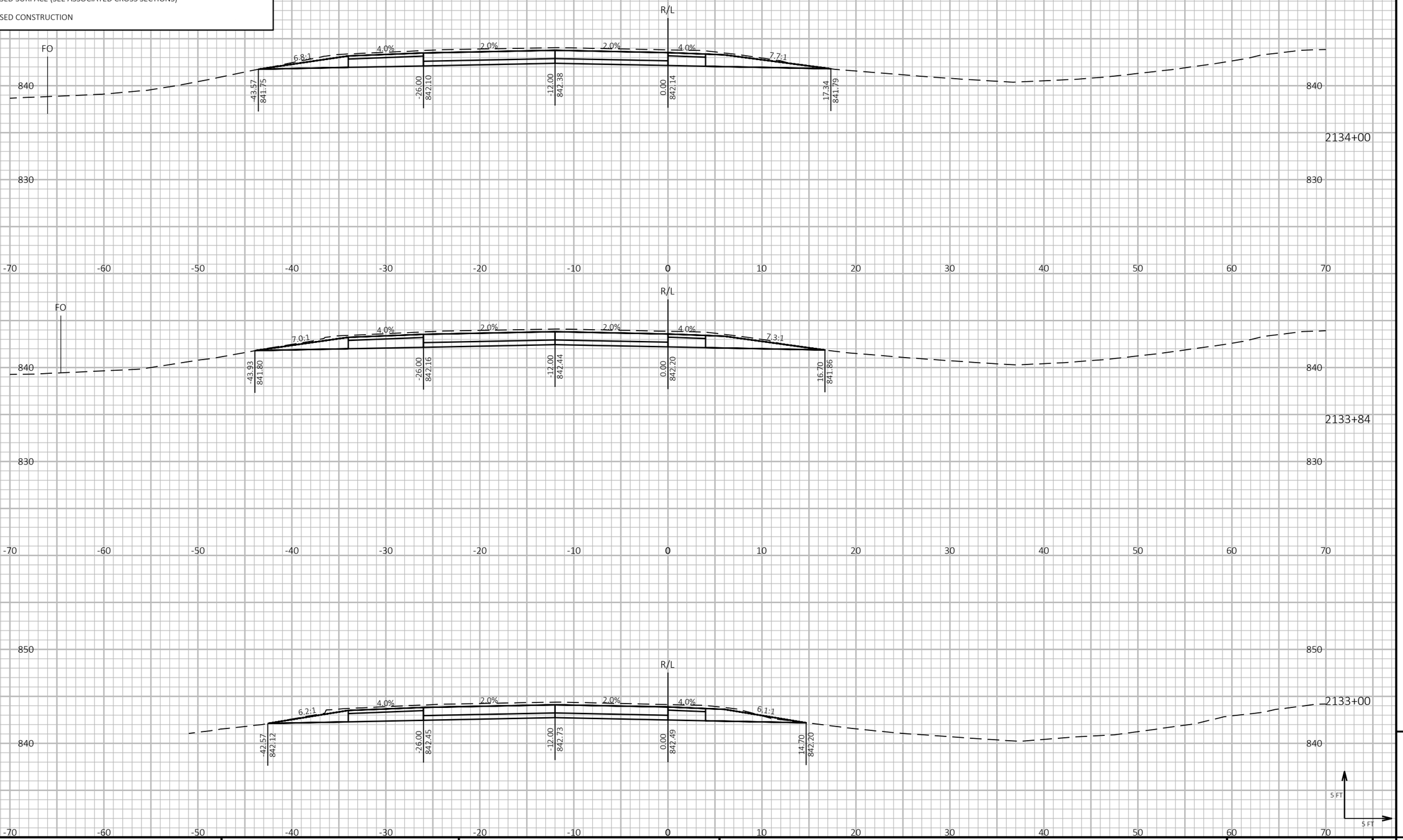
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 838 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 31

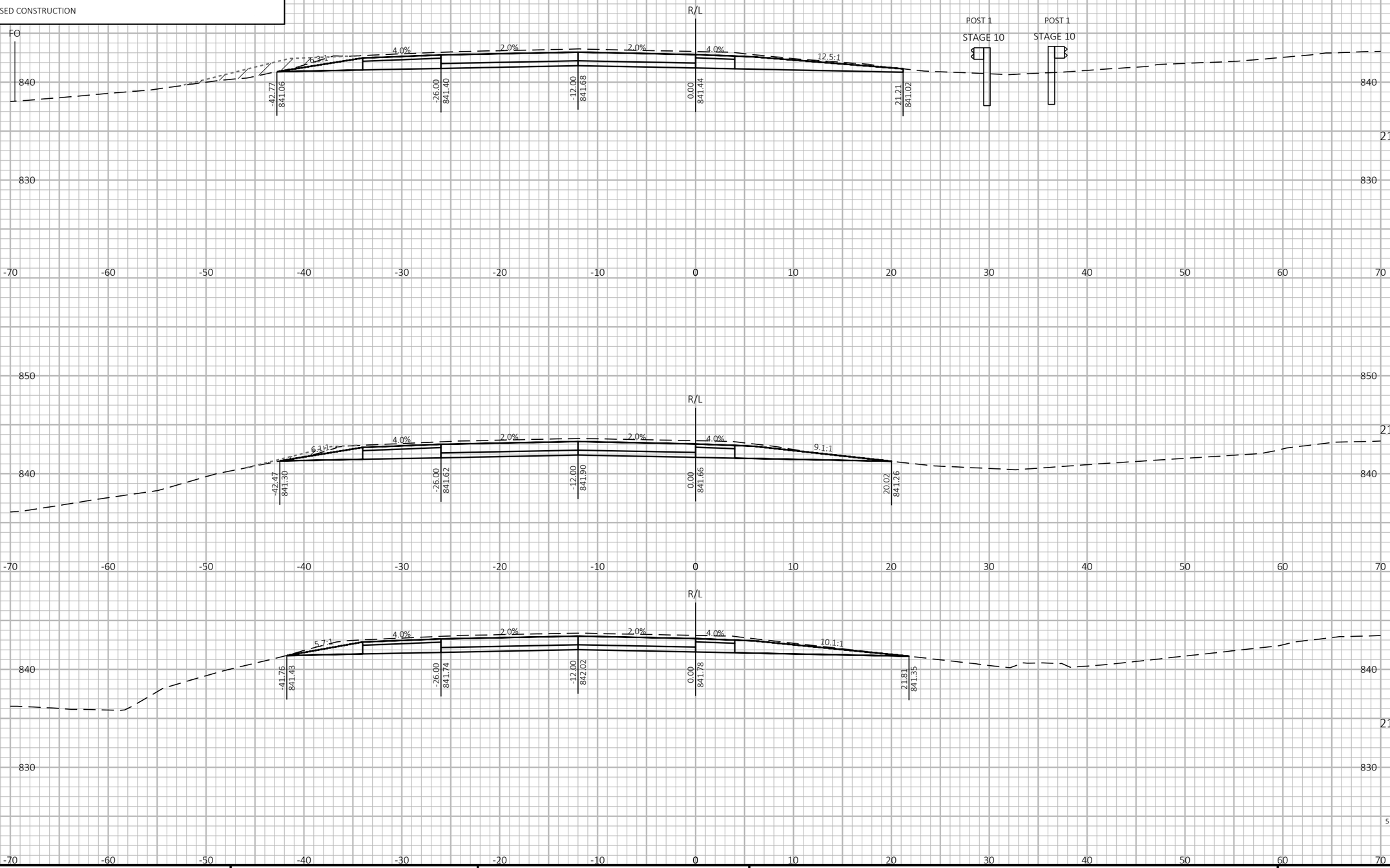
PLOT DATE : 7/26/2023 12:18 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 839	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 32

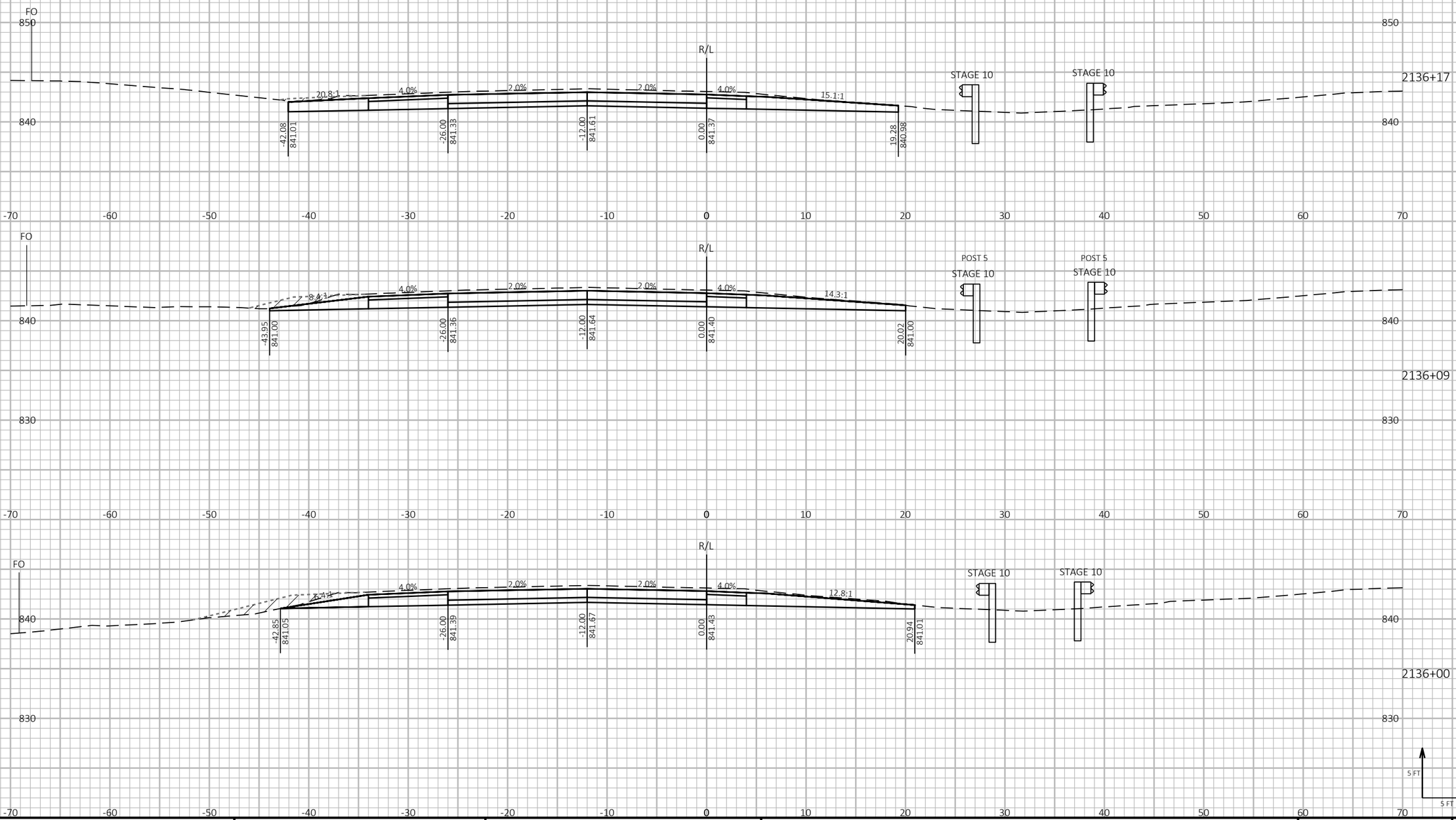
PLOT DATE : 7/26/2023 12:18 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 840	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 33

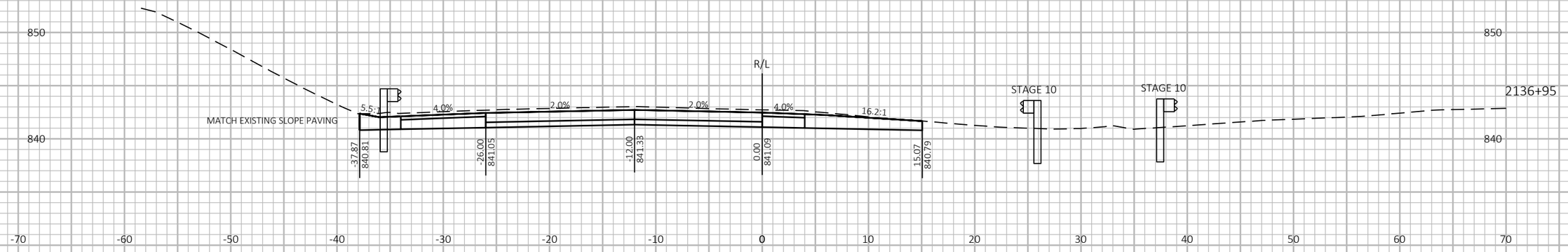
PLOT DATE : 7/26/2023 12:18 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

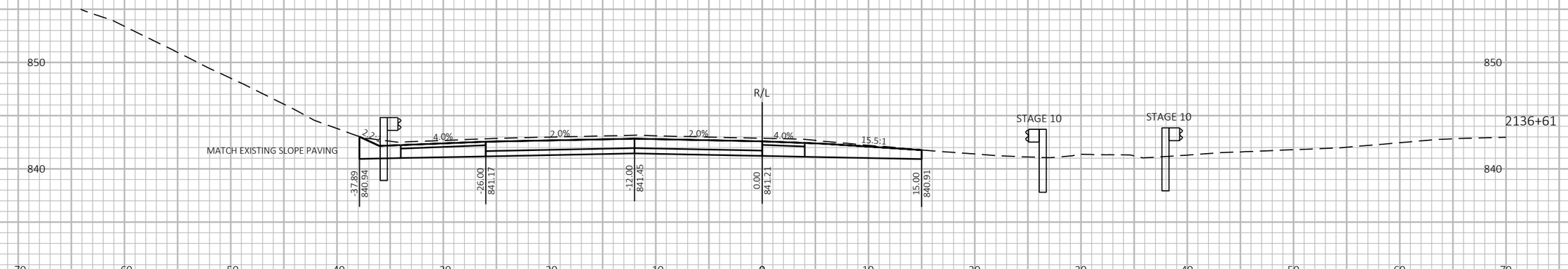
WISDOT/CADDS SHEET 49

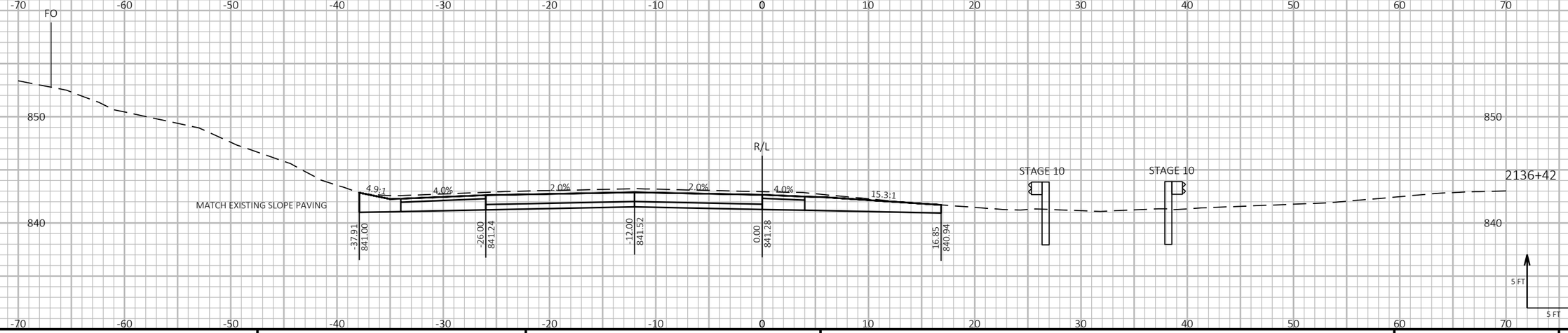
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 841	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 34

PLOT DATE : 7/26/2023 12:18 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

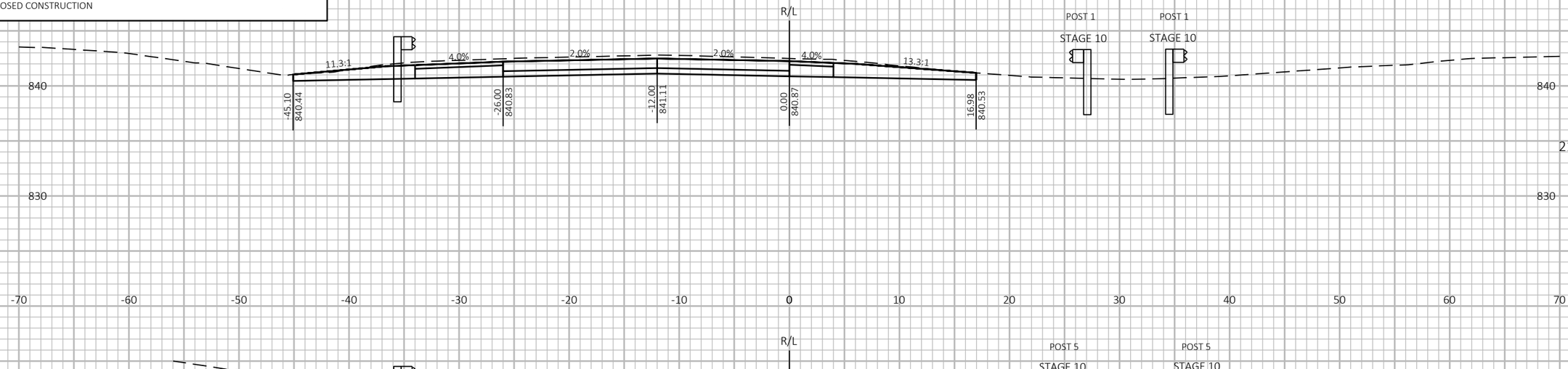
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 842	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 35

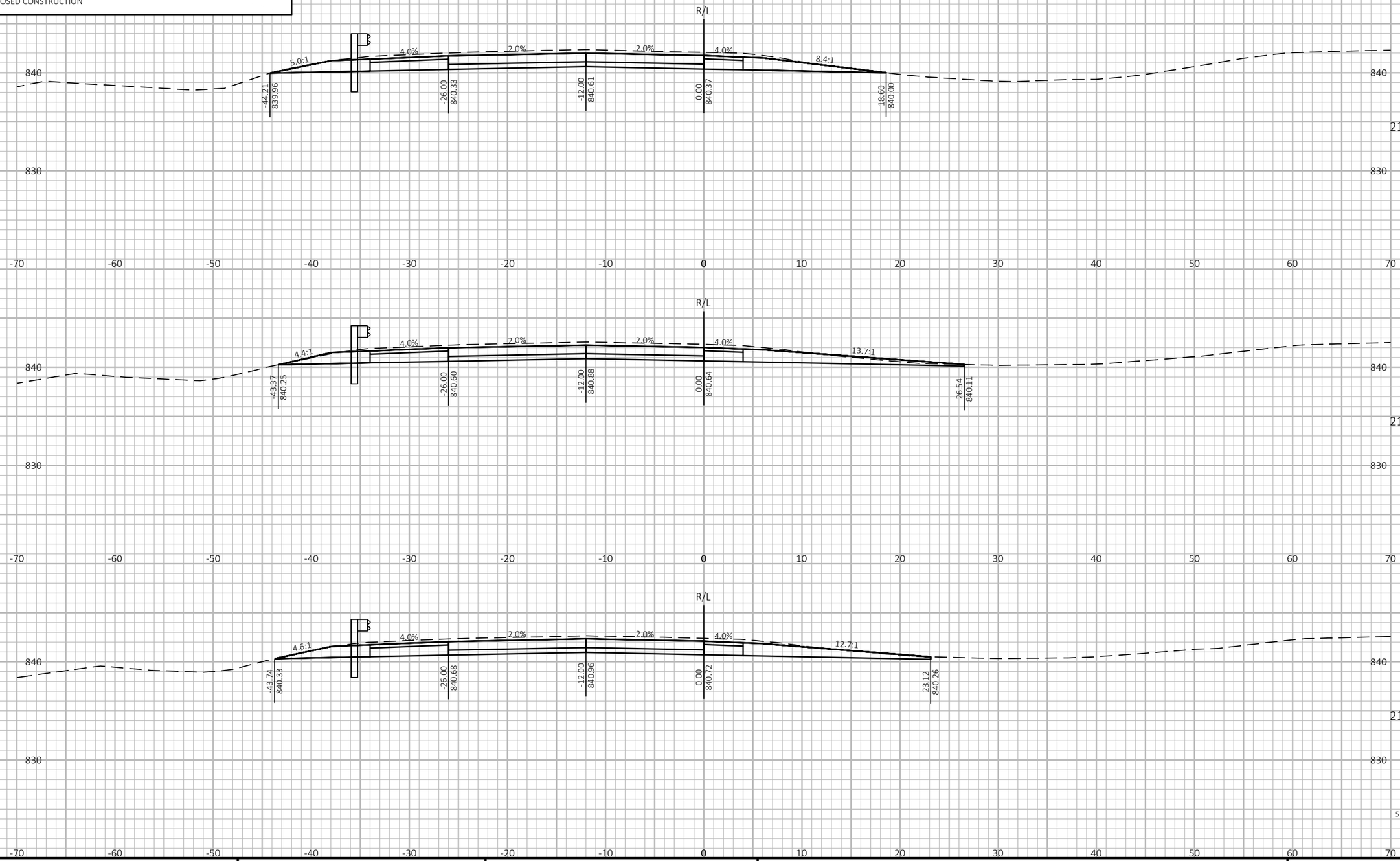
PLOT DATE : 7/26/2023 12:18 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 843	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 36

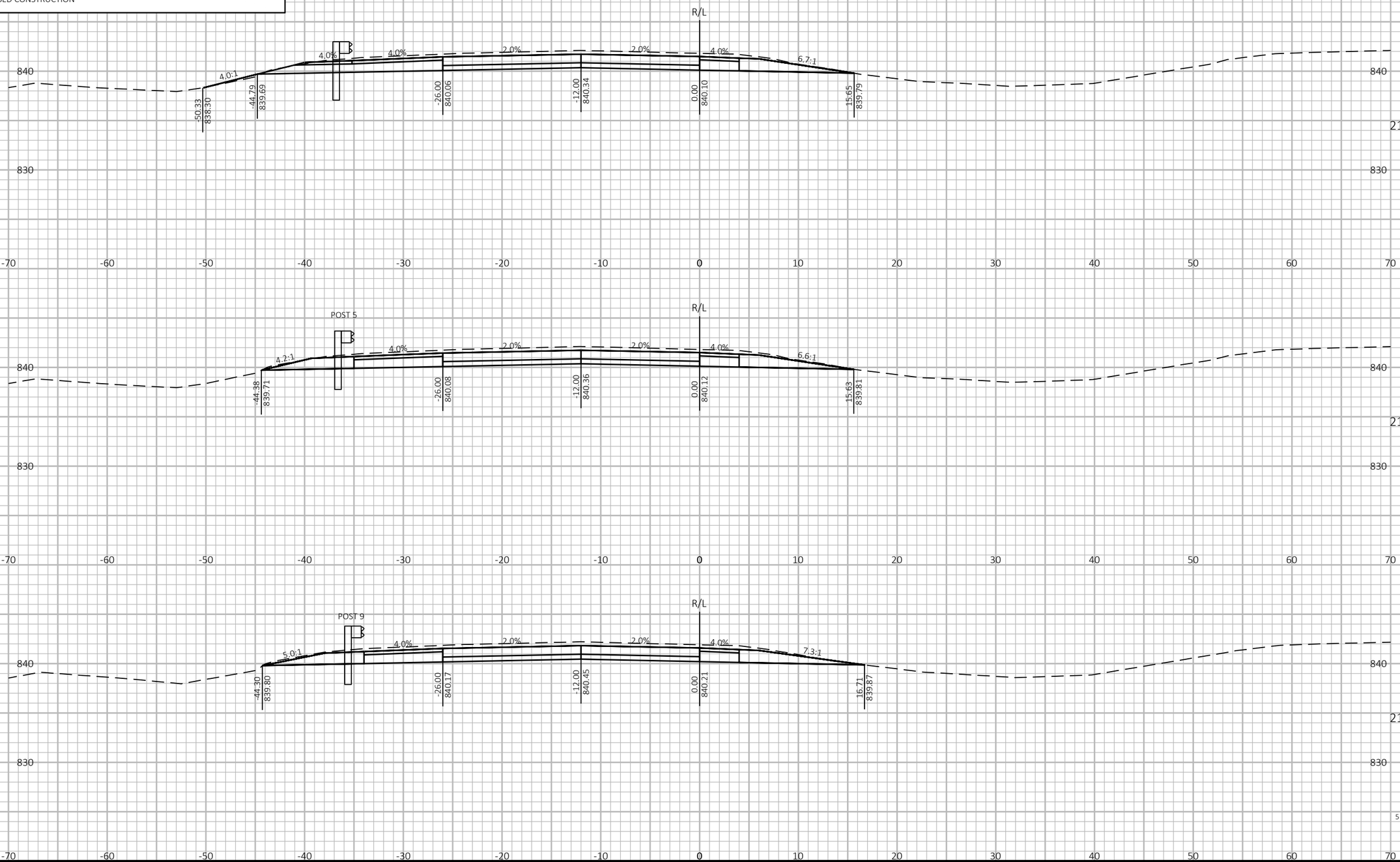
PLOT DATE : 7/26/2023 12:19 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 844	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 37

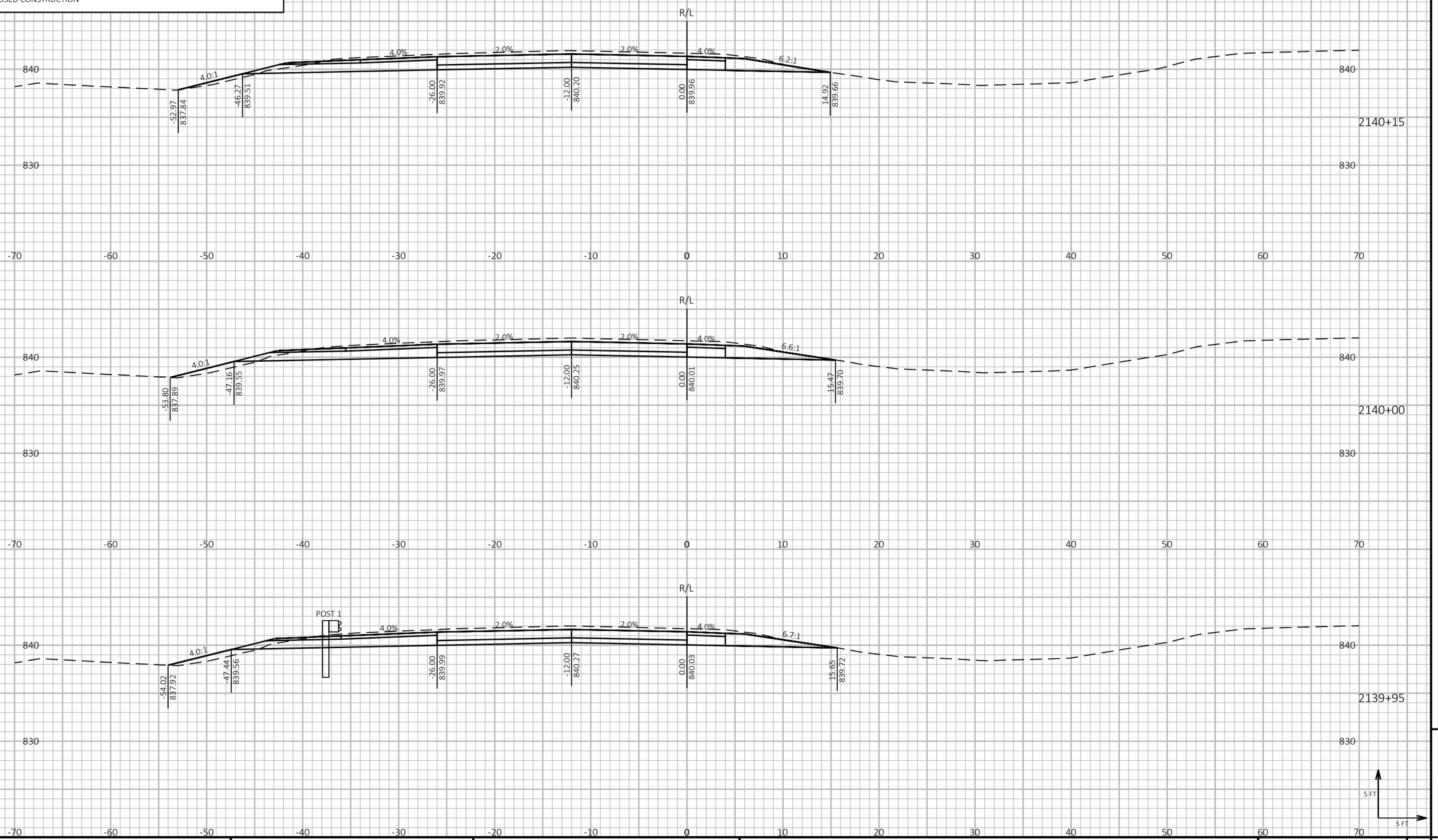
PLOT DATE : 7/26/2023 12:19 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 845	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 38

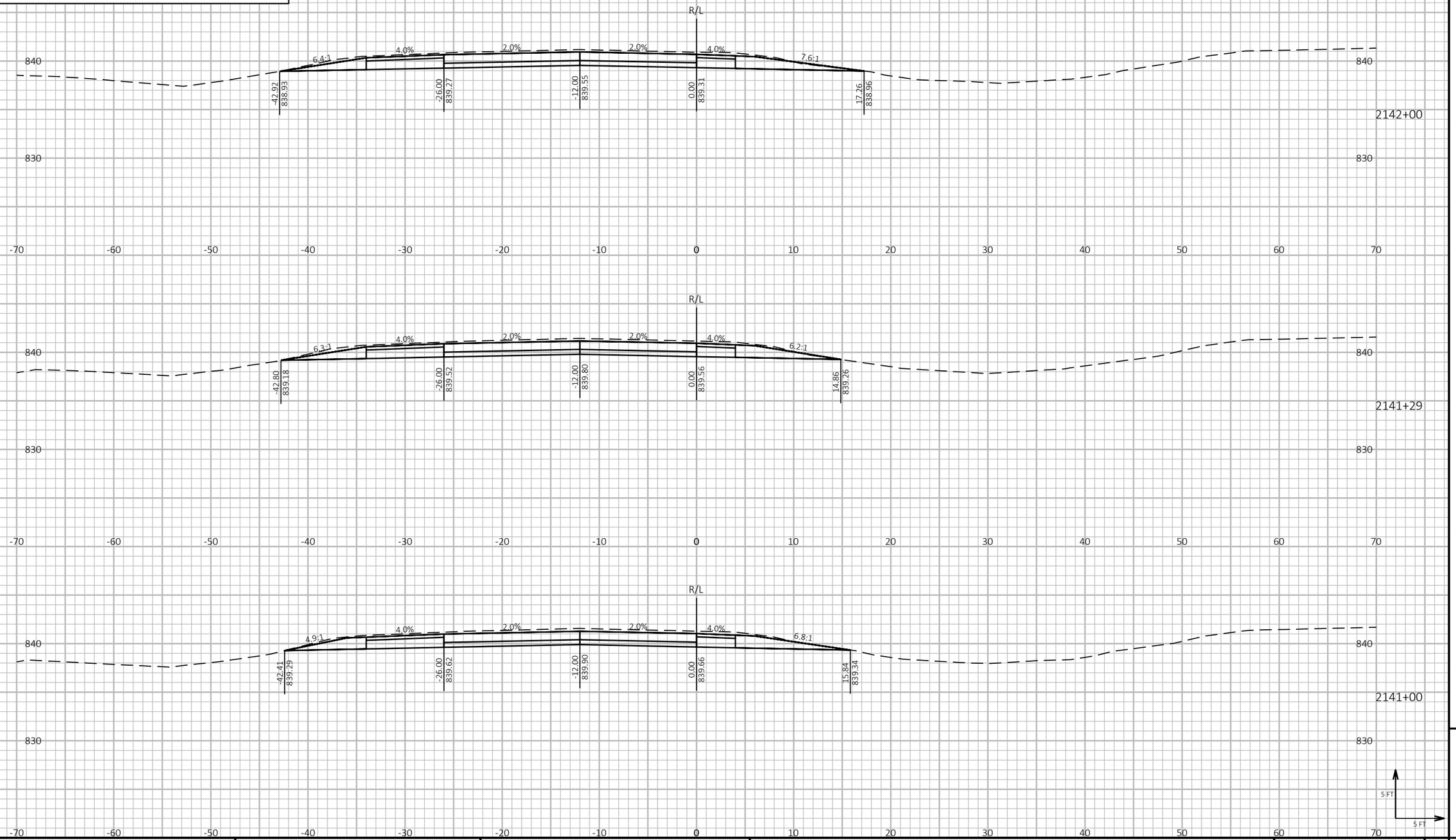
PLOT DATE : 7/26/2023 12:19 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 846	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 39

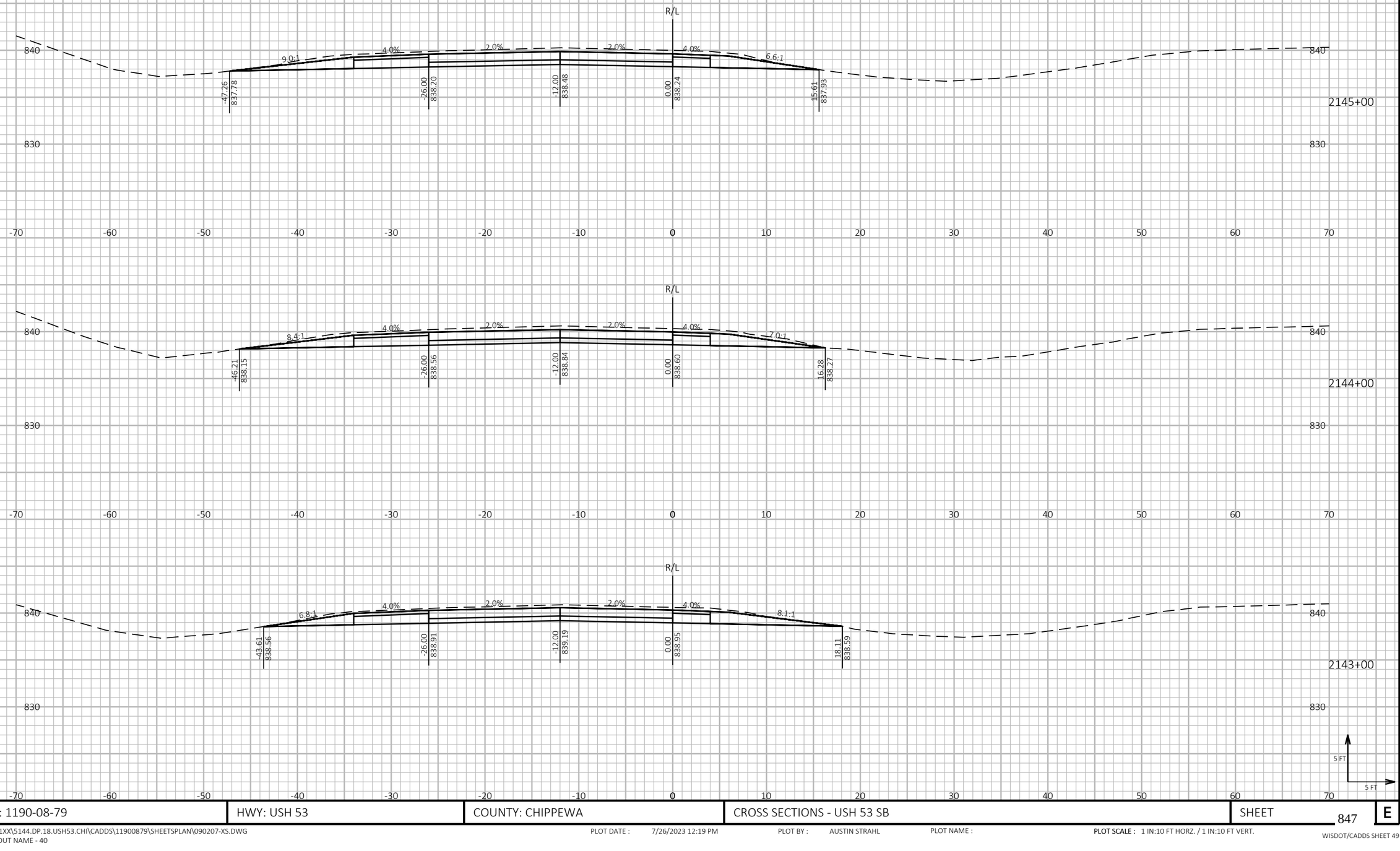
PLOT DATE : 7/26/2023 12:19 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 847	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 40

PLOT DATE : 7/26/2023 12:19 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

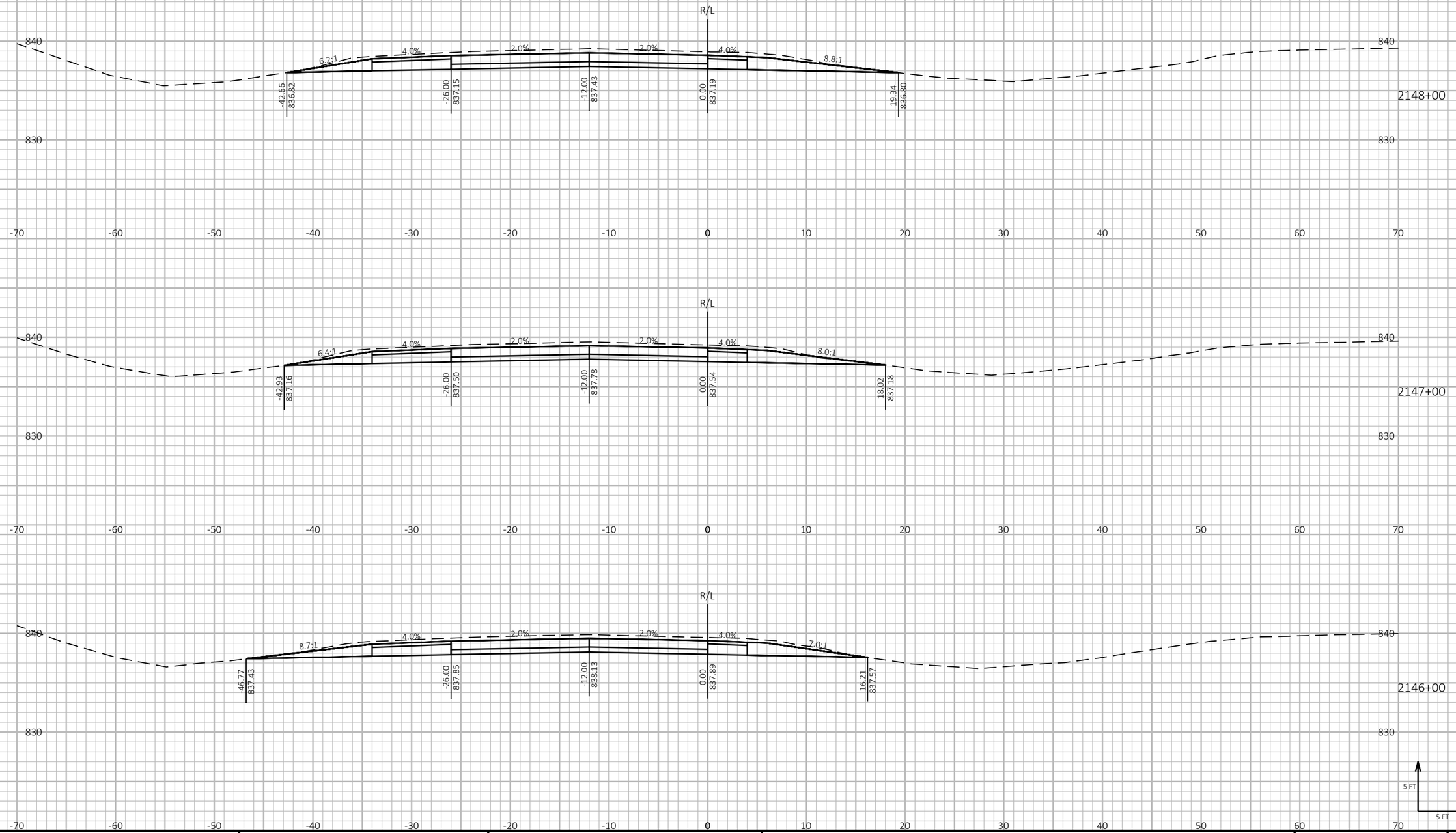
TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)

TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 848	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 41

PLOT DATE : 7/26/2023 12:19 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

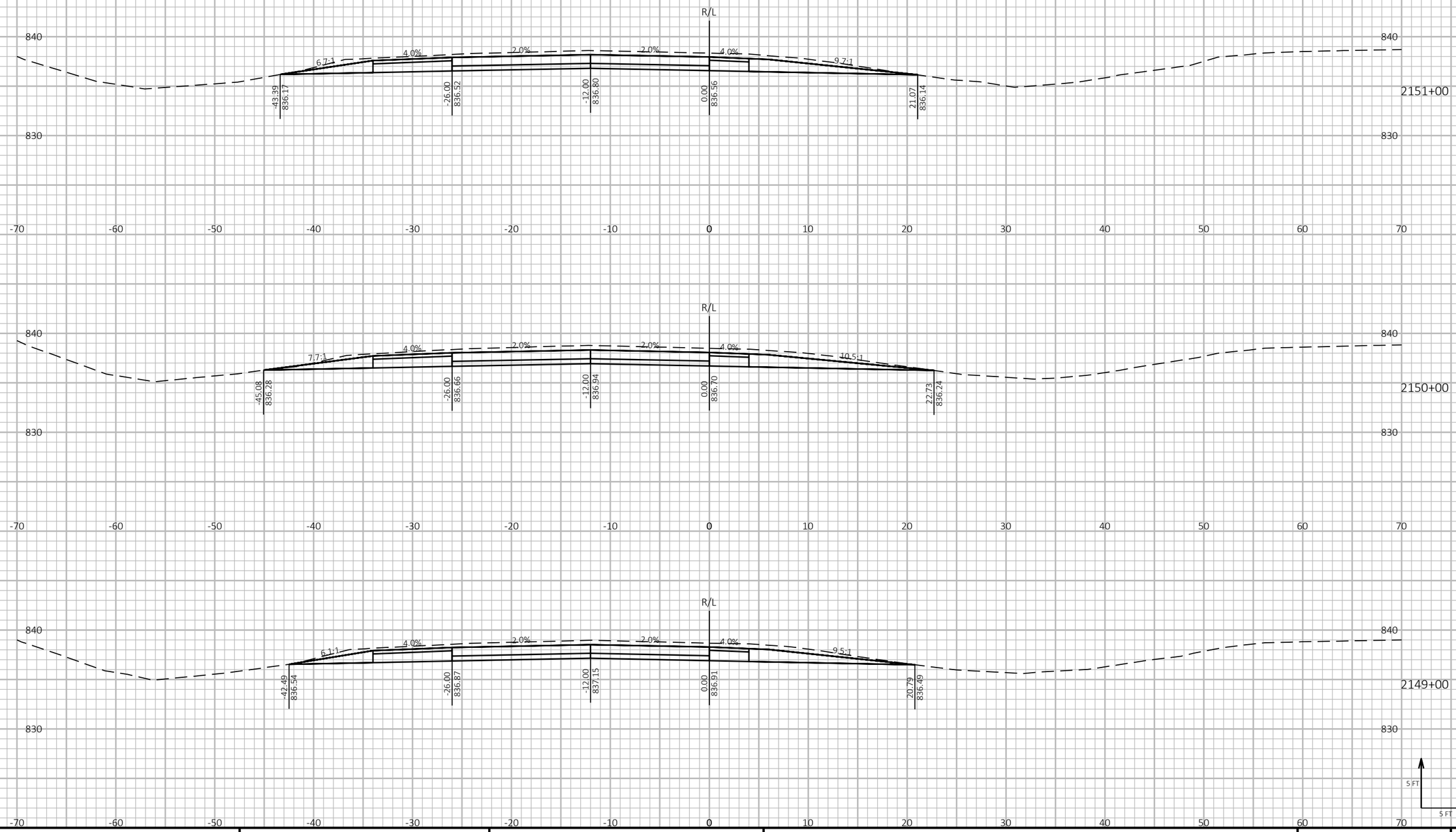
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 849	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 42

PLOT DATE : 7/26/2023 12:20 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

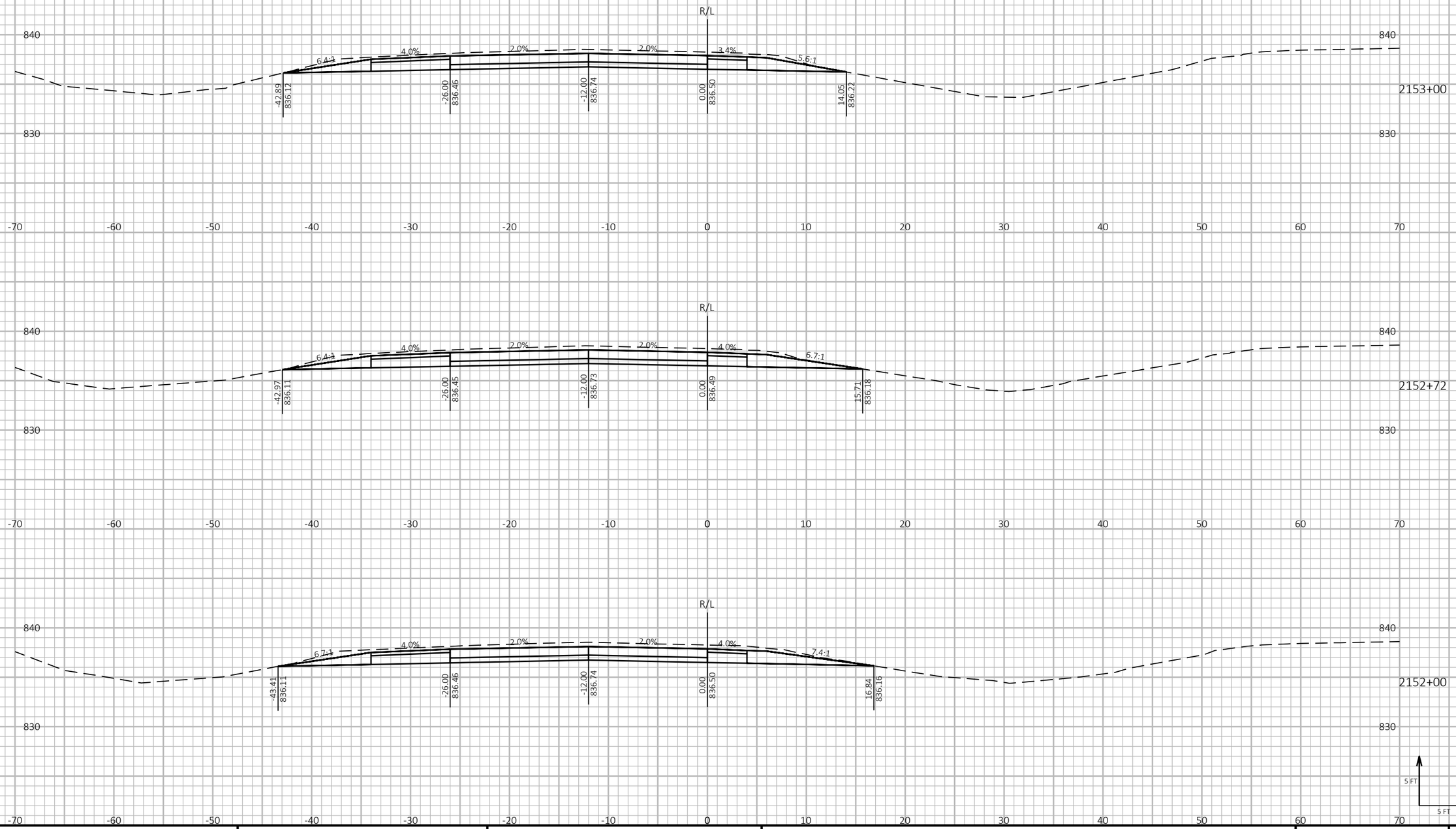
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 850	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 43

PLOT DATE : 7/26/2023 12:20 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

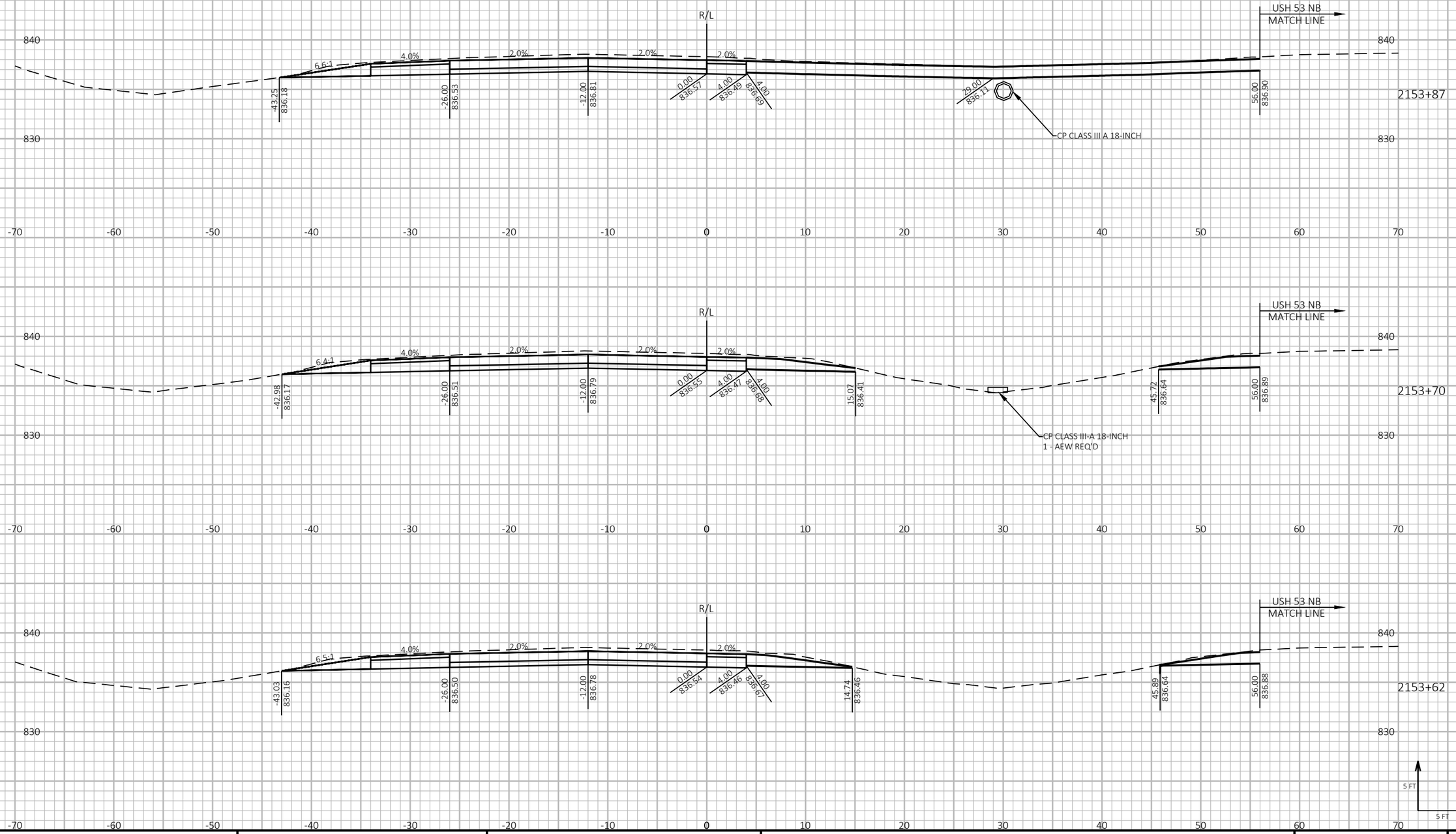
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 851	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 44

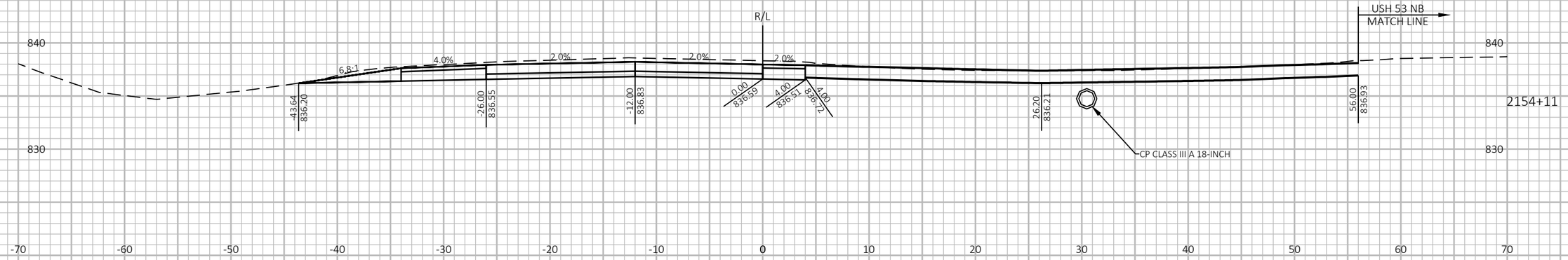
PLOT DATE : 7/26/2023 12:20 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

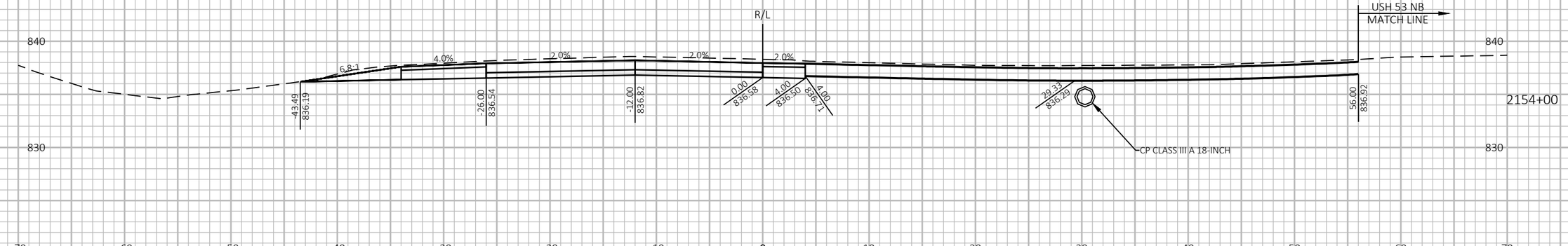
WISDOT/CADDS SHEET 49

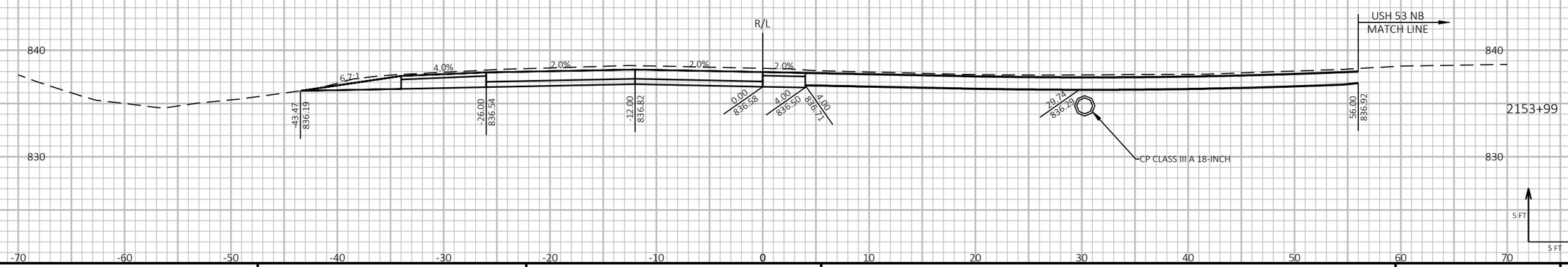
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 852	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 45

PLOT DATE : 7/26/2023 12:20 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

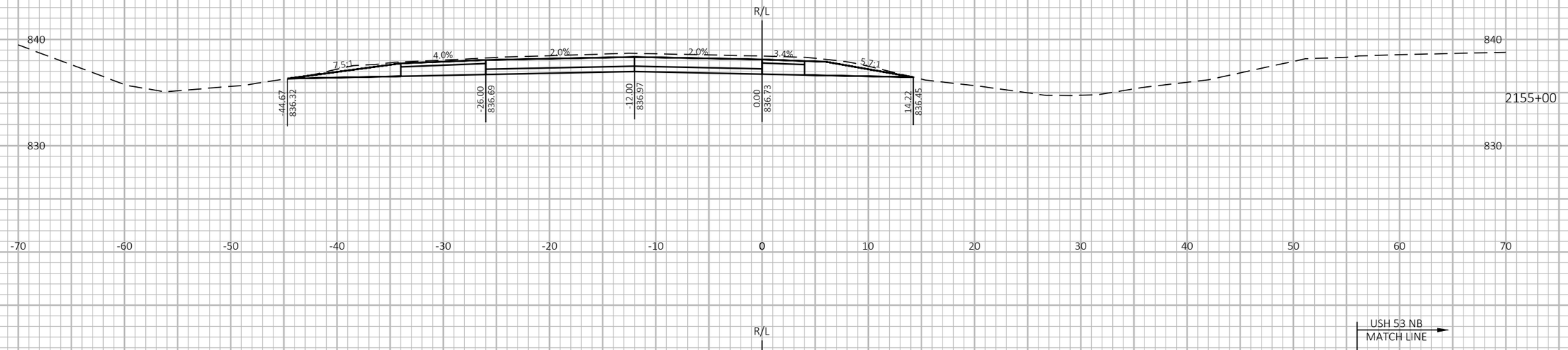
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

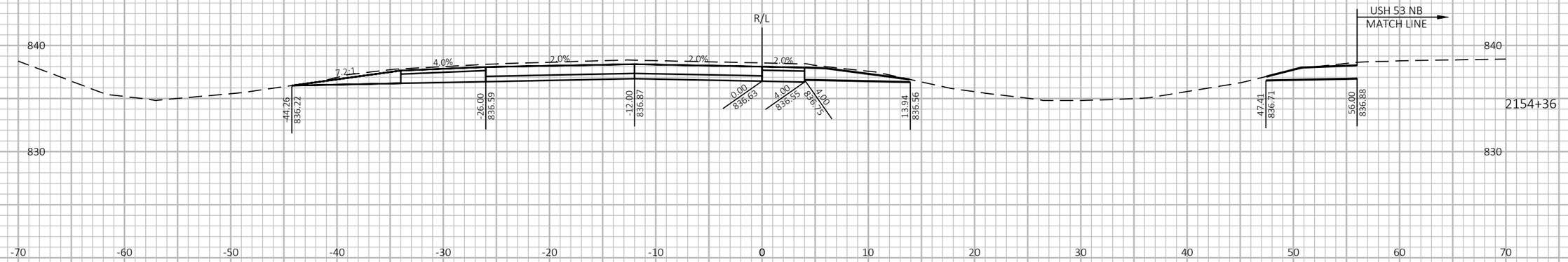
WISDOT/CADDS SHEET 49

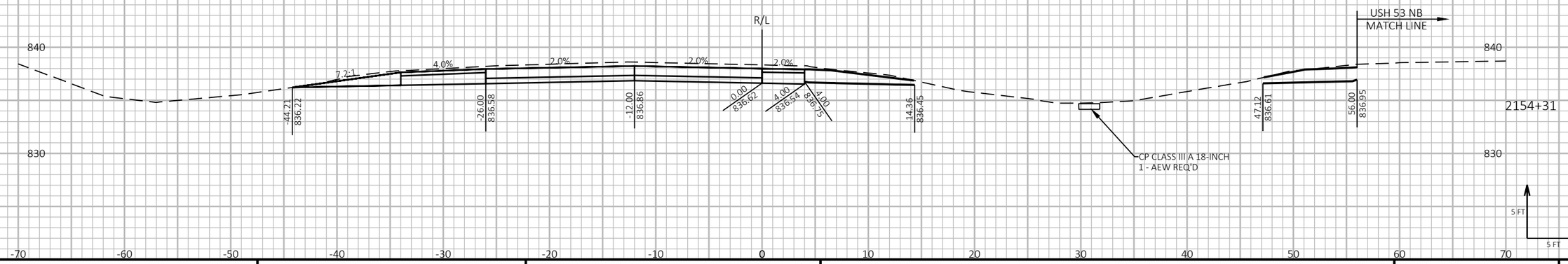
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 853	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 46

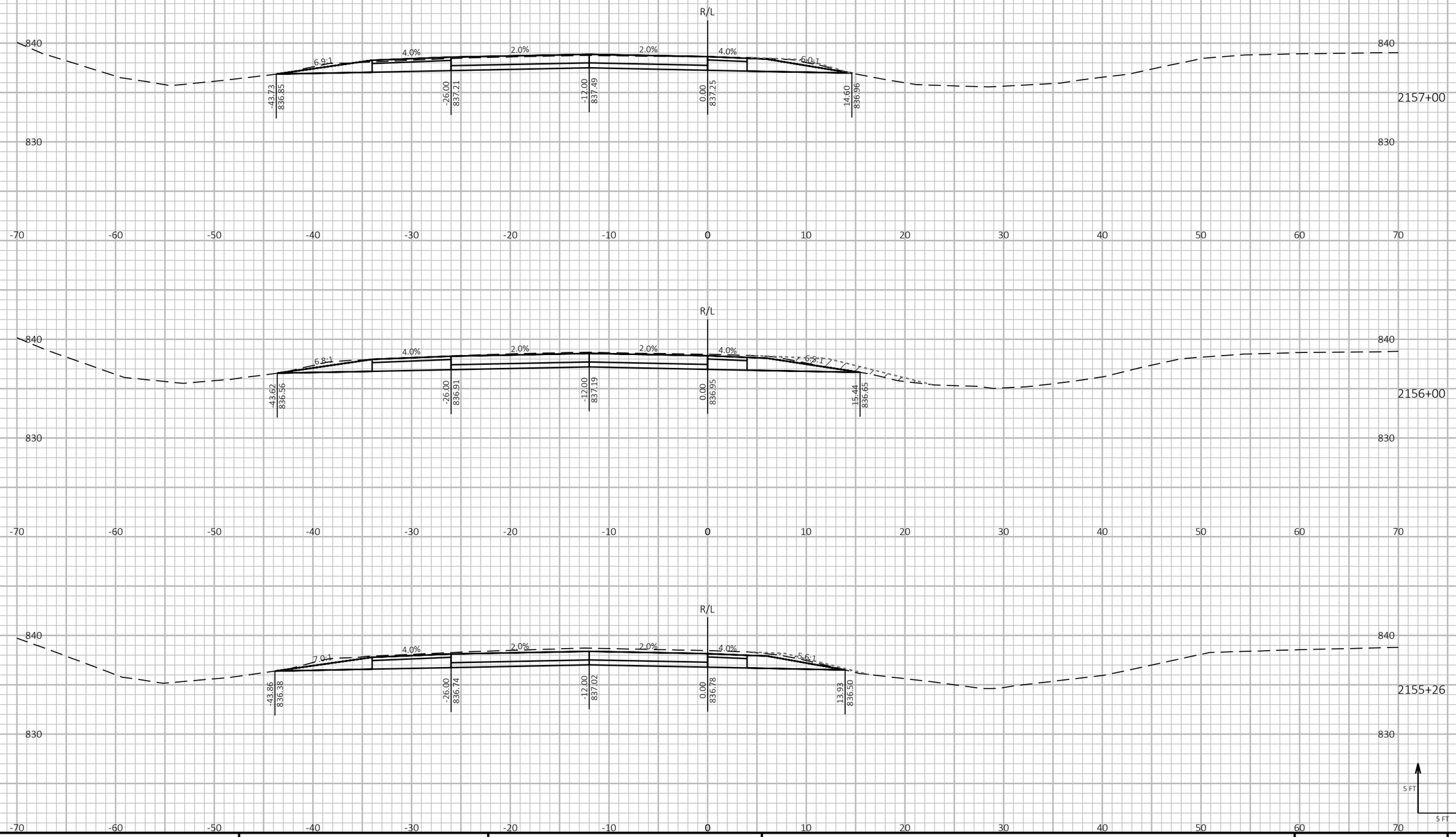
PLOT DATE : 7/26/2023 12:20 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 854	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 47

PLOT DATE : 7/26/2023 12:20 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

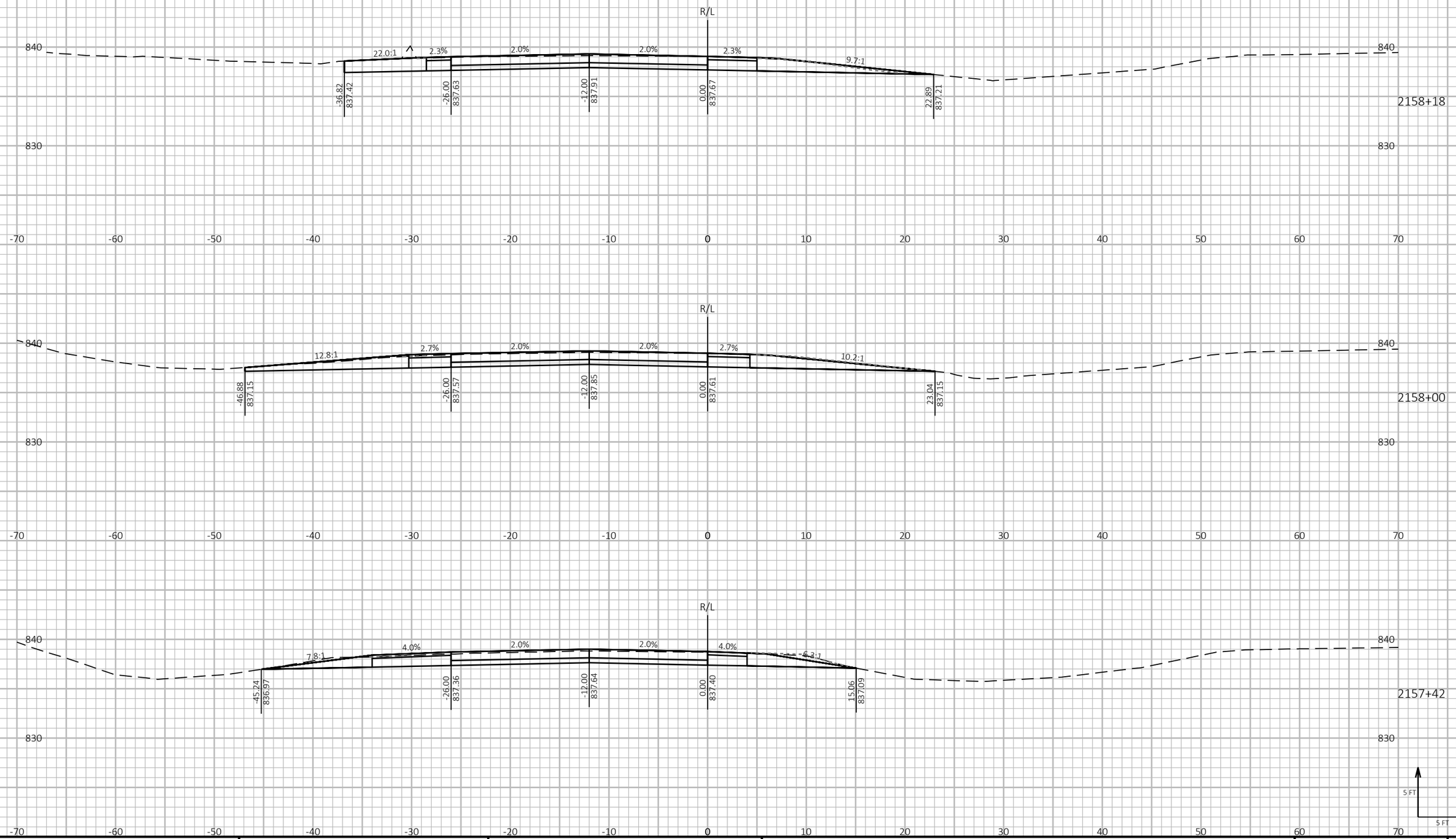
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 855	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 48

PLOT DATE : 7/26/2023 12:21 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

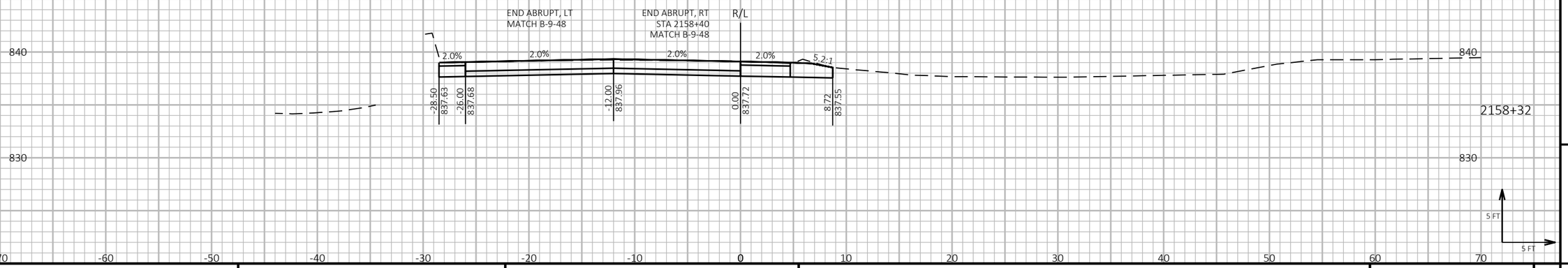
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 856	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090207-XS.DWG
LAYOUT NAME - 49

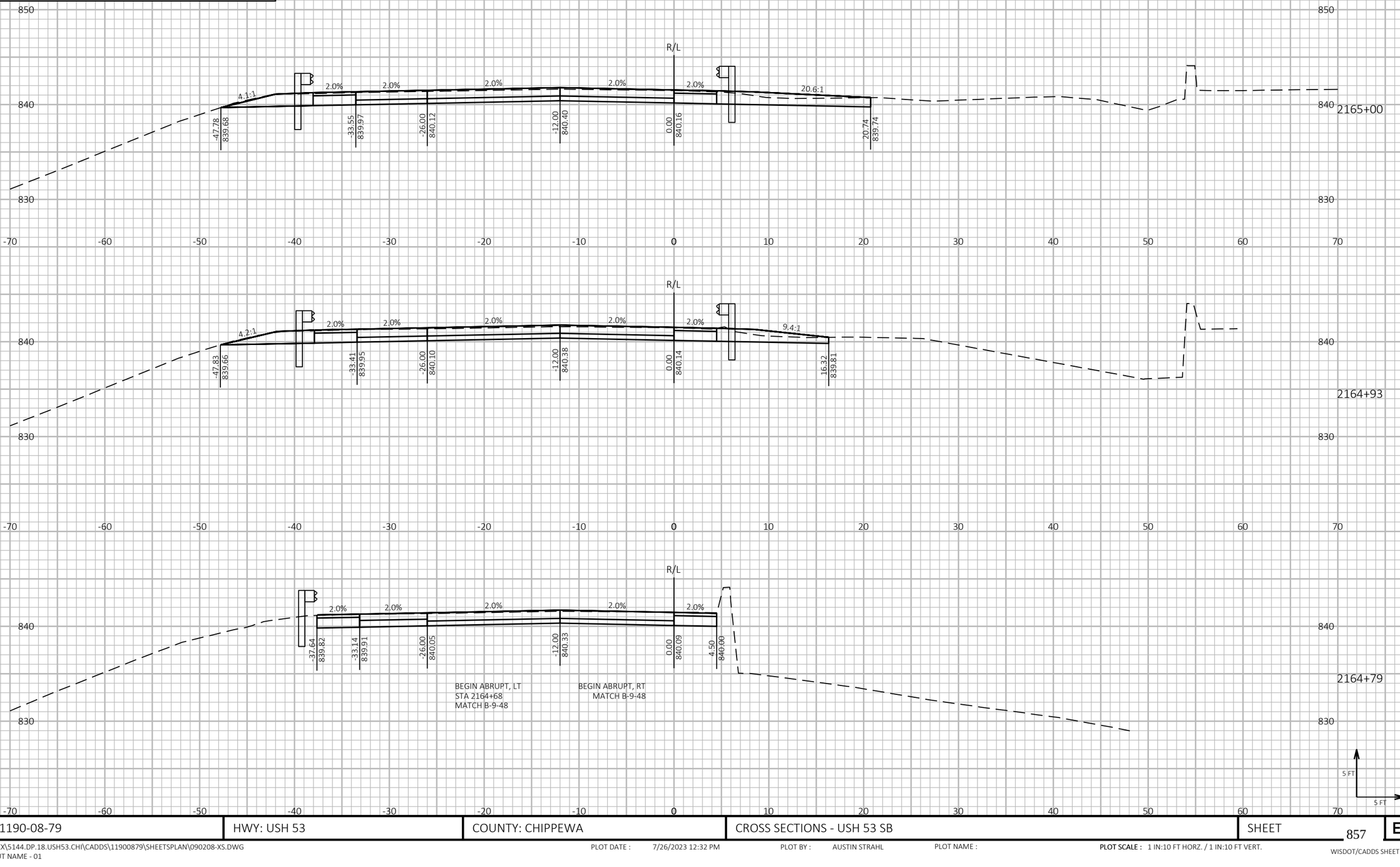
PLOT DATE : 7/26/2023 12:21 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



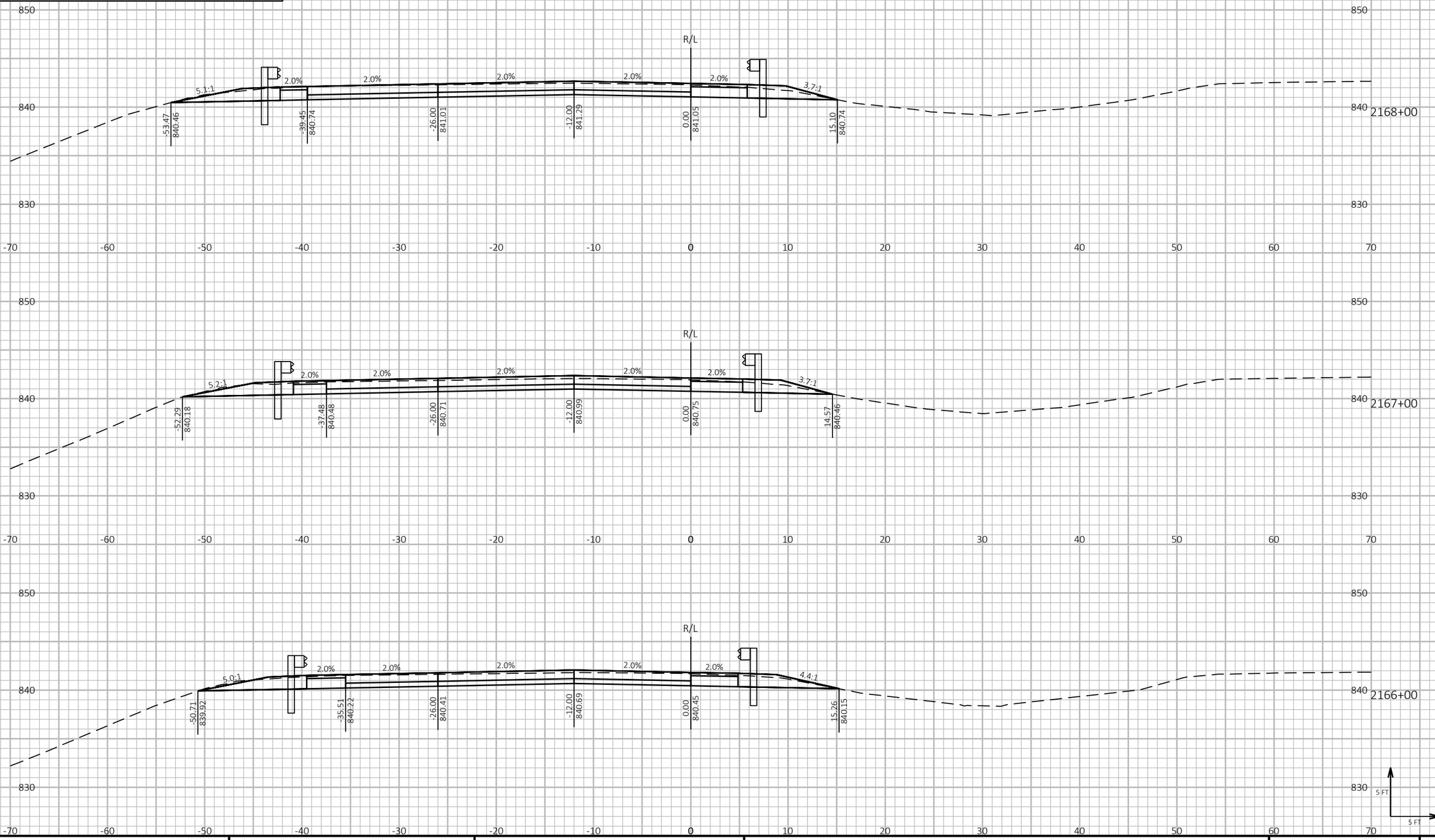
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 857	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090208-XS.DWG
LAYOUT NAME - 01
PLOT DATE : 7/26/2023 12:32 PM
PLOT BY : AUSTIN STRAHL
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 858	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090208-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/26/2023 12:33 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

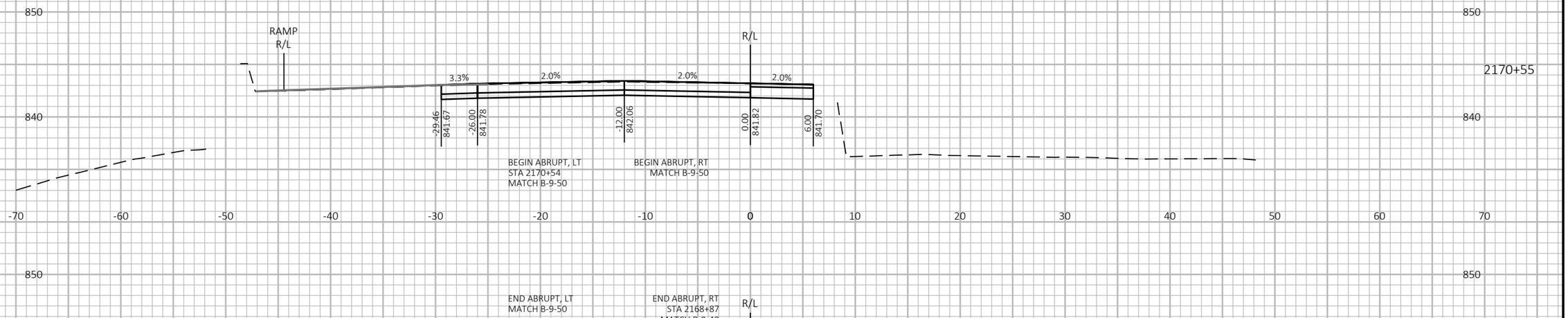
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

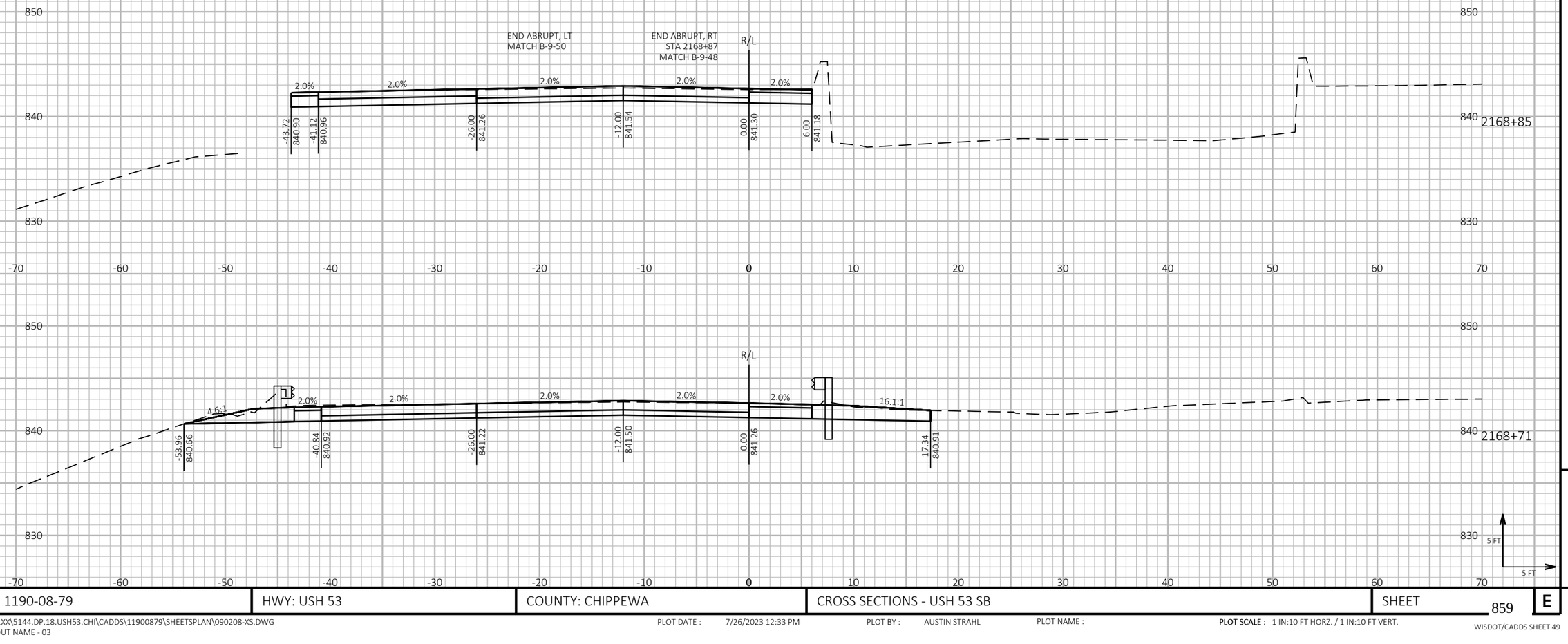
WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT





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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 859	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090208-XS.DWG
LAYOUT NAME - 03

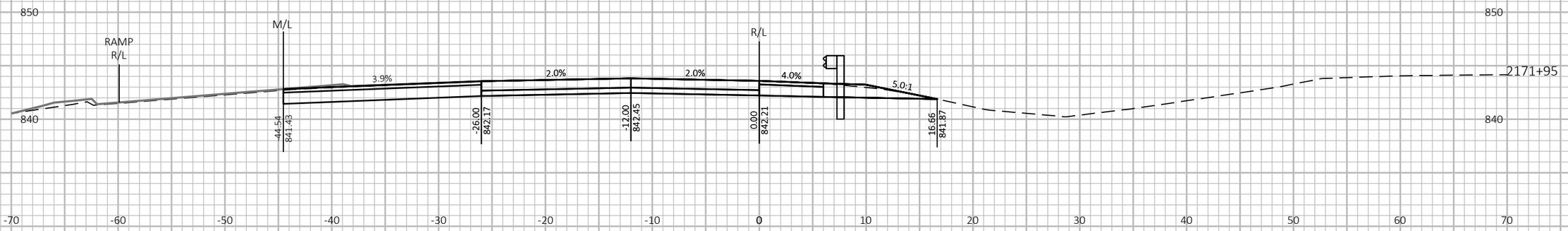
PLOT DATE : 7/26/2023 12:33 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

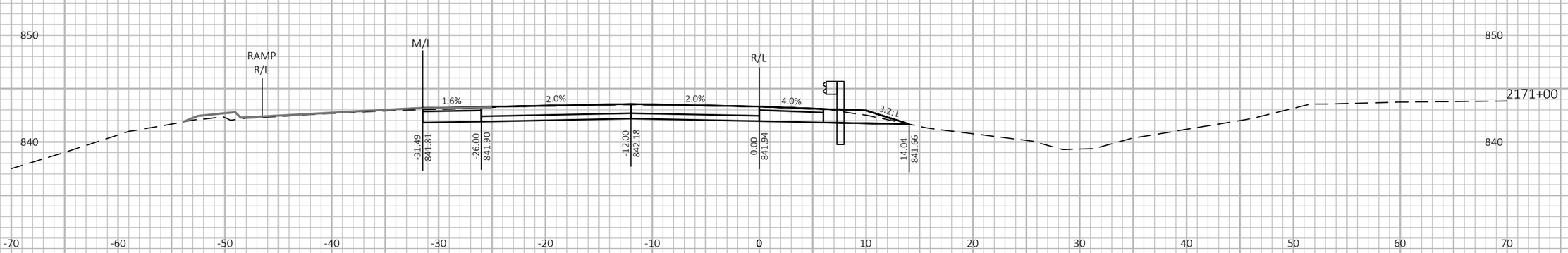
WISDOT/CADDS SHEET 49

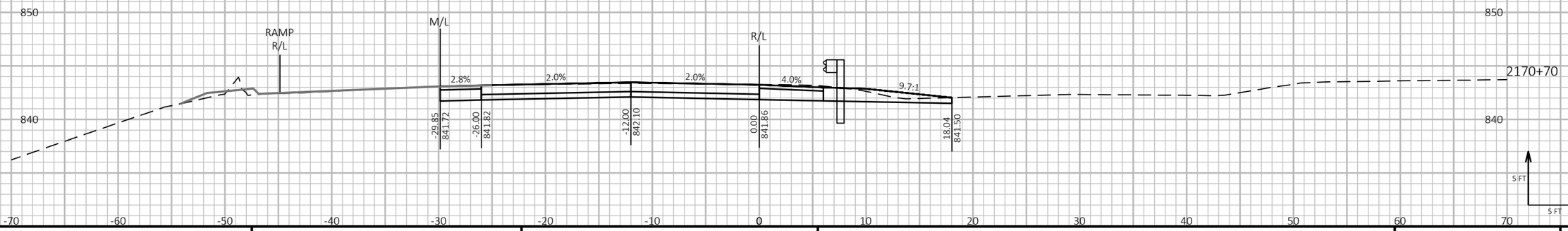
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 860	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090208-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 7/26/2023 12:33 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

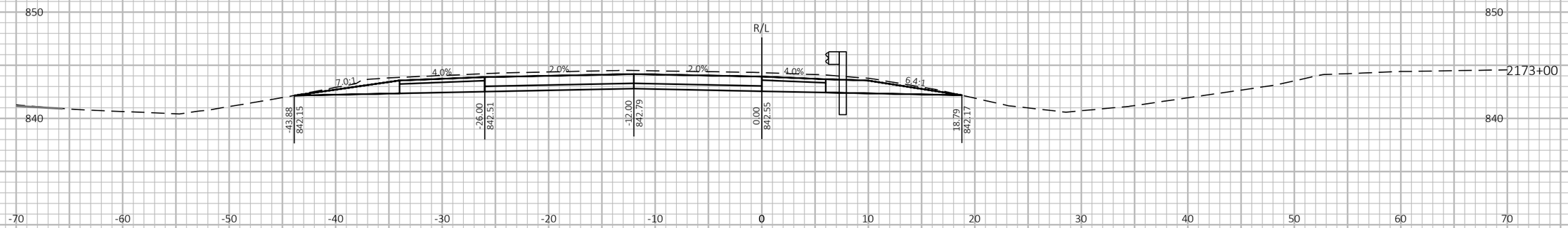
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

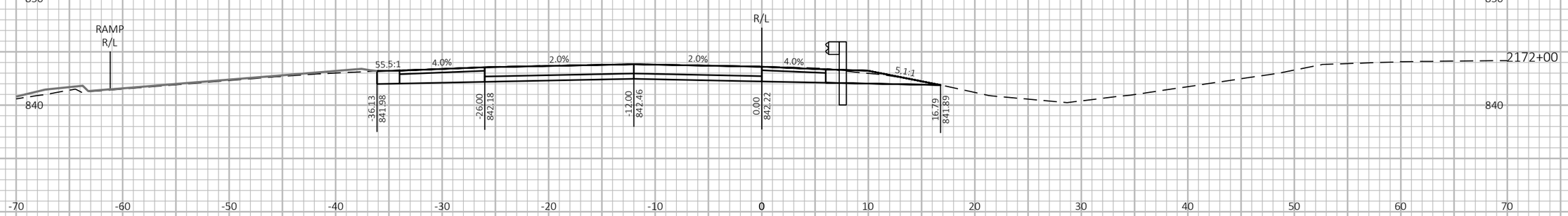
WISDOT/CADDS SHEET 49

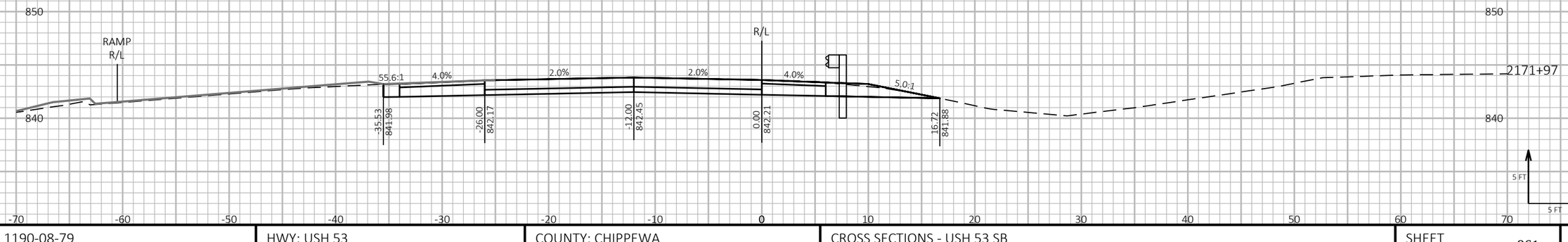
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 861	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090208-XS.DWG
LAYOUT NAME - 05

PLOT DATE : 7/26/2023 12:33 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

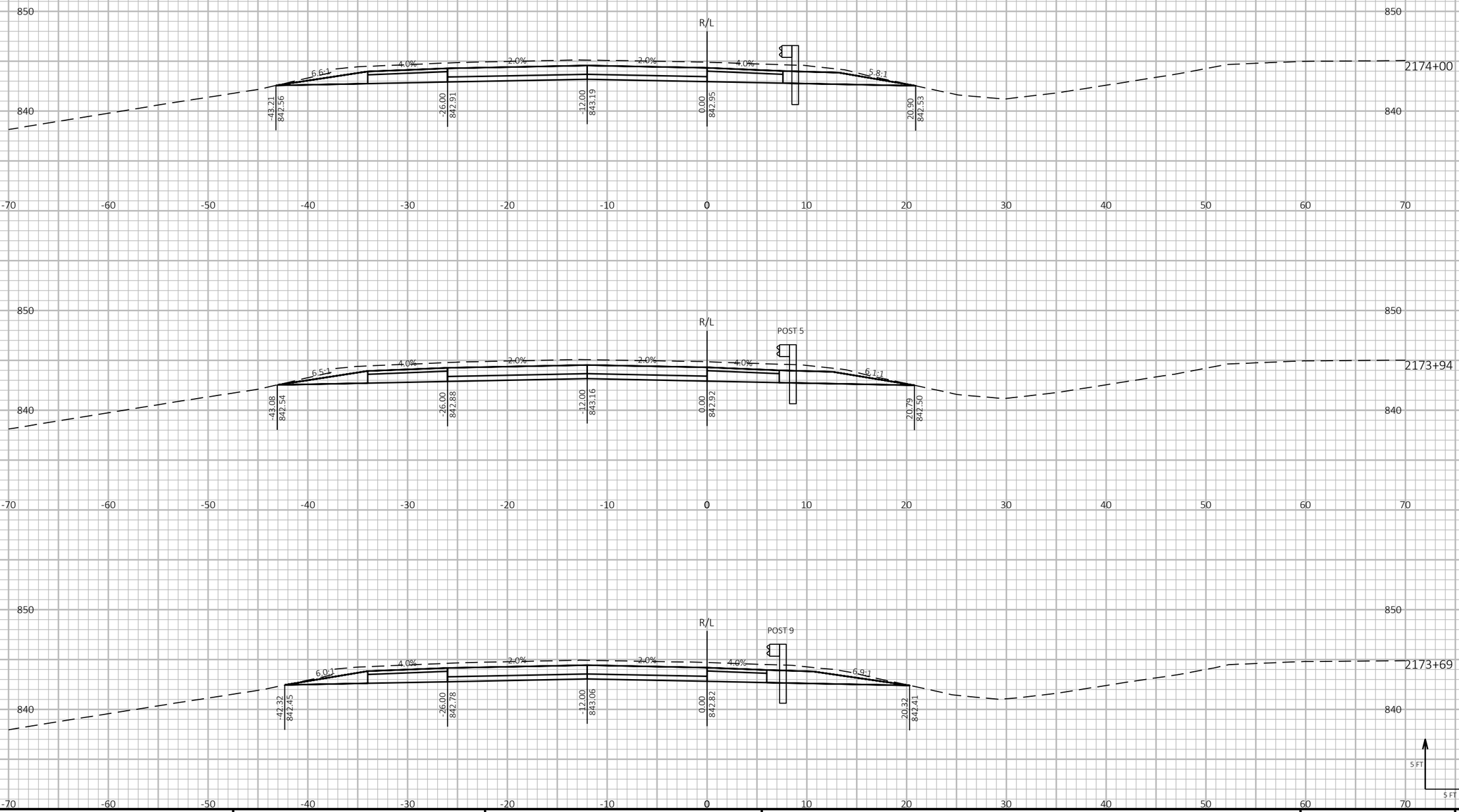
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 862	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090208-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/26/2023 12:34 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

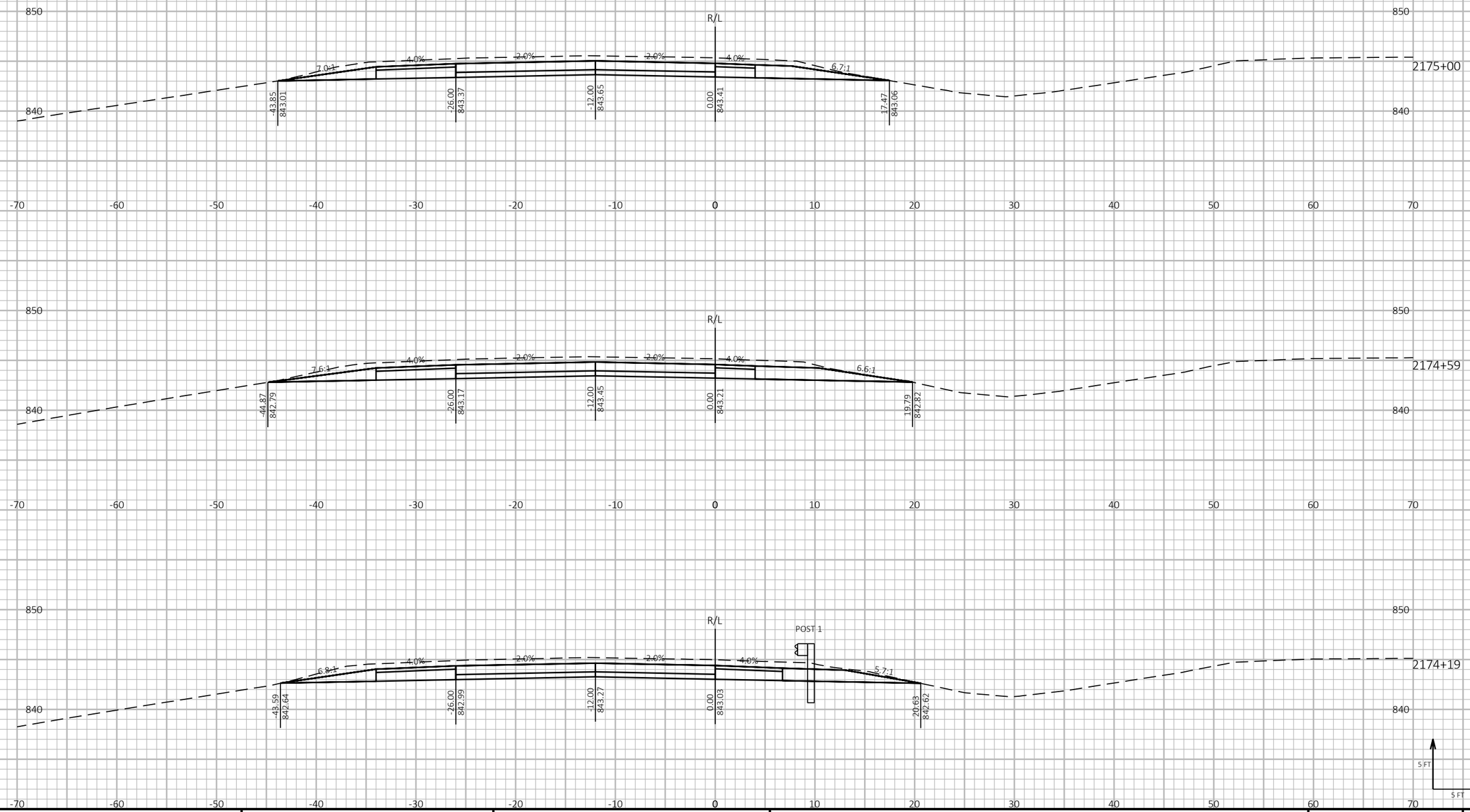
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 863	E

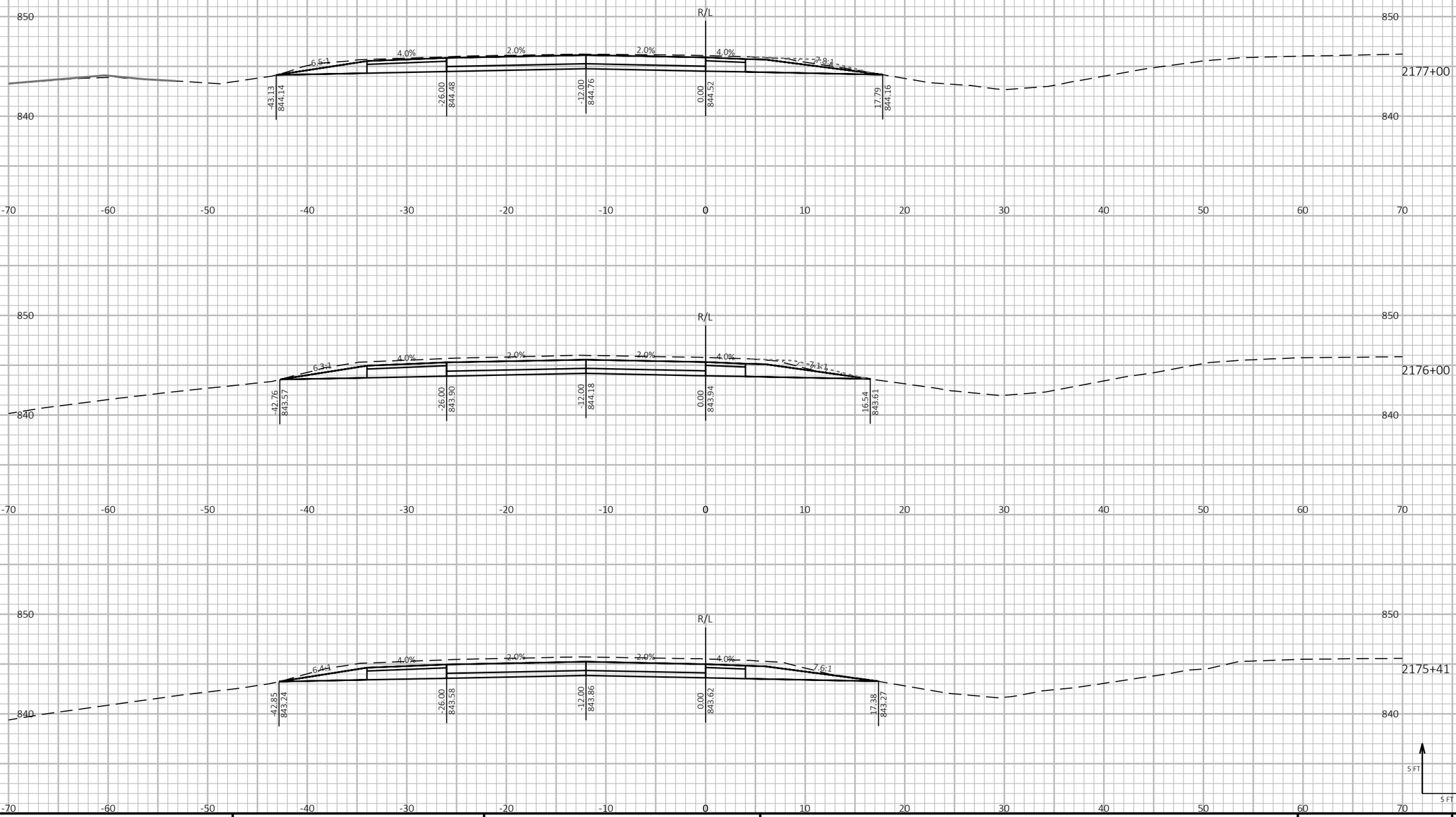
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090208-XS.DWG
LAYOUT NAME - 07

PLOT DATE : 7/26/2023 12:34 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 864	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090208-XS.DWG
LAYOUT NAME - 08

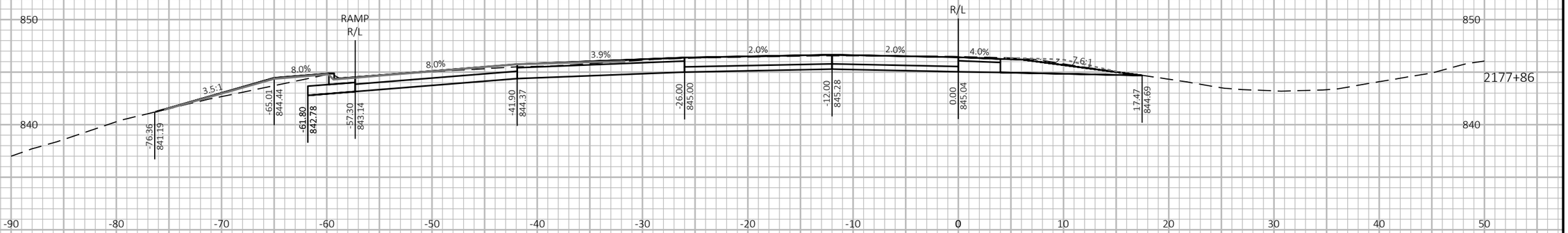
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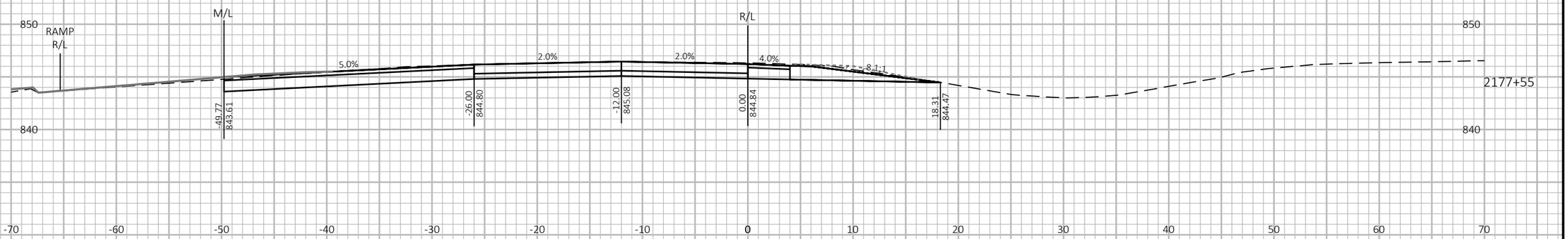
WISDOT/CADDS SHEET 49

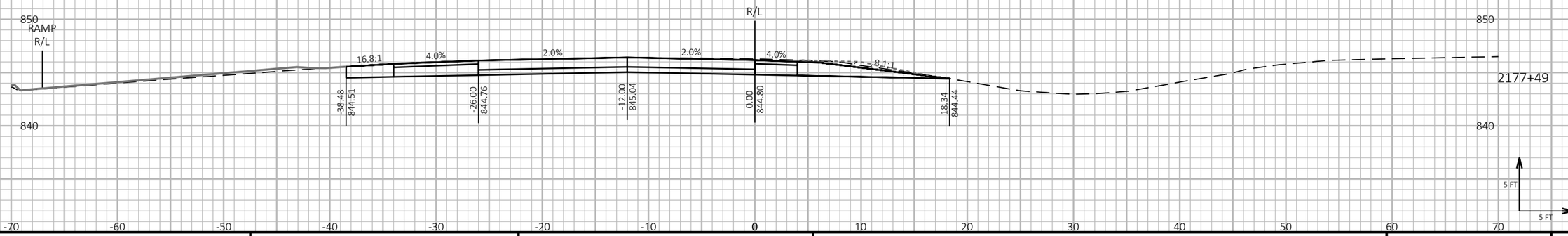
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 865	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090208-XS.DWG
LAYOUT NAME - 09

PLOT DATE : 7/26/2023 12:34 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

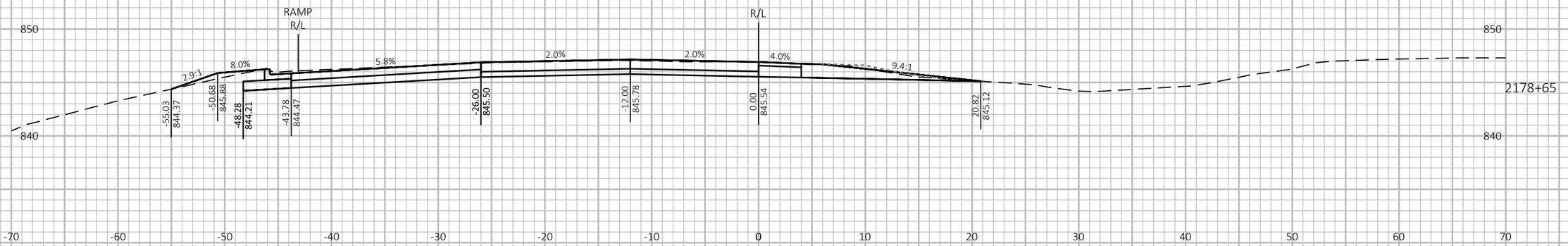
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

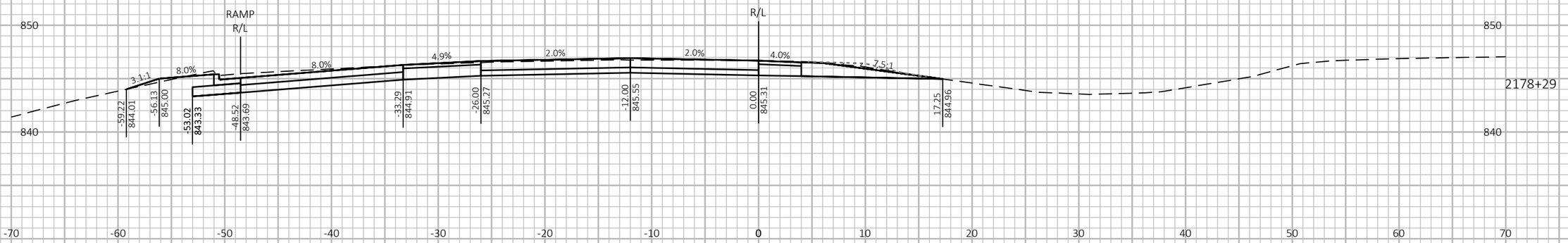
WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 866	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090208-XS.DWG
LAYOUT NAME - 10

PLOT DATE : 7/26/2023 12:35 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

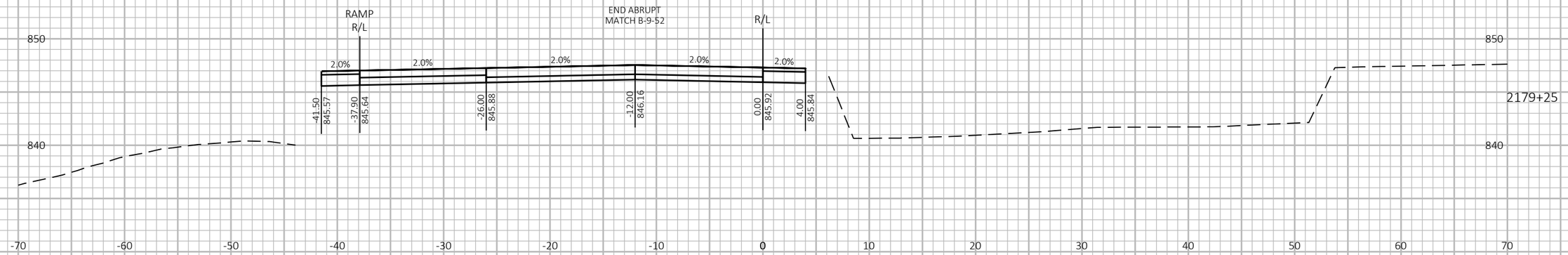
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

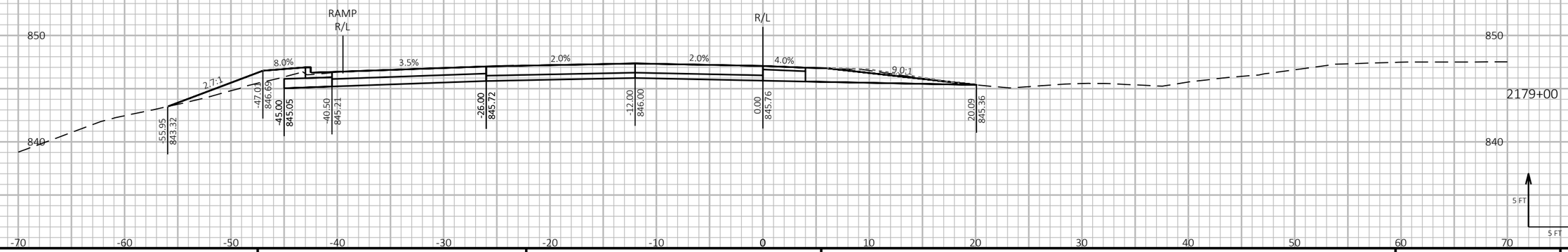
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 867	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090208-XS.DWG
LAYOUT NAME - 11

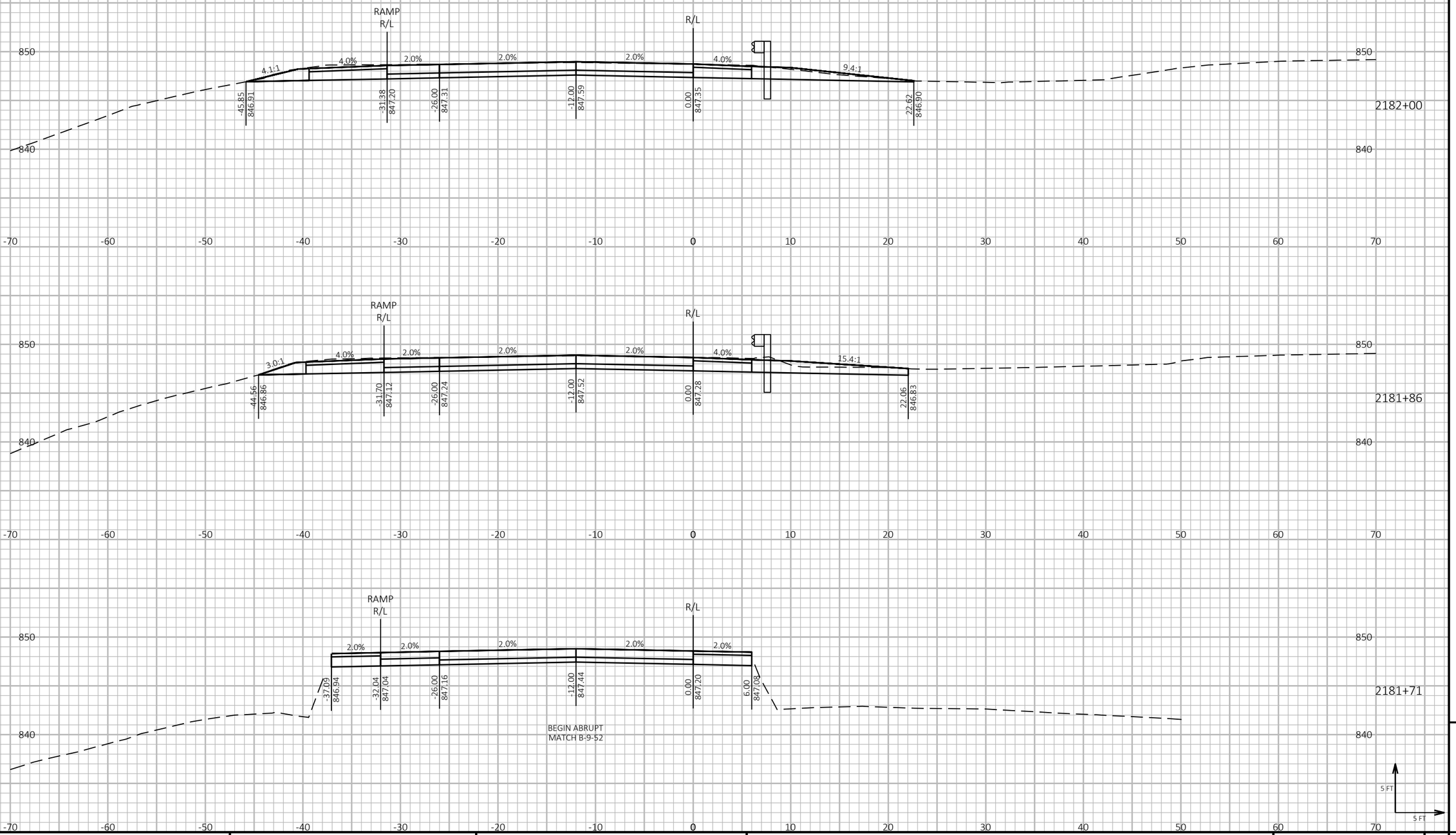
PLOT DATE : 7/26/2023 12:35 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 868	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090208-XS.DWG
LAYOUT NAME - 12

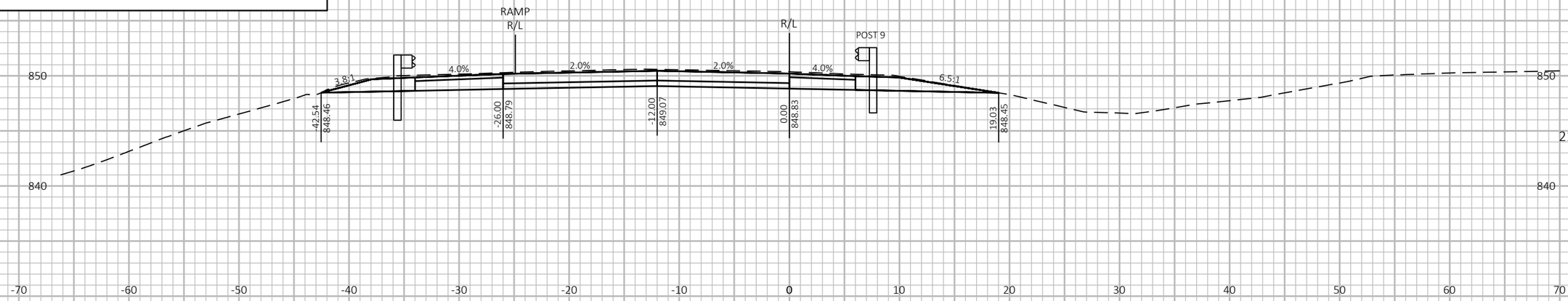
PLOT DATE : 7/26/2023 12:35 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

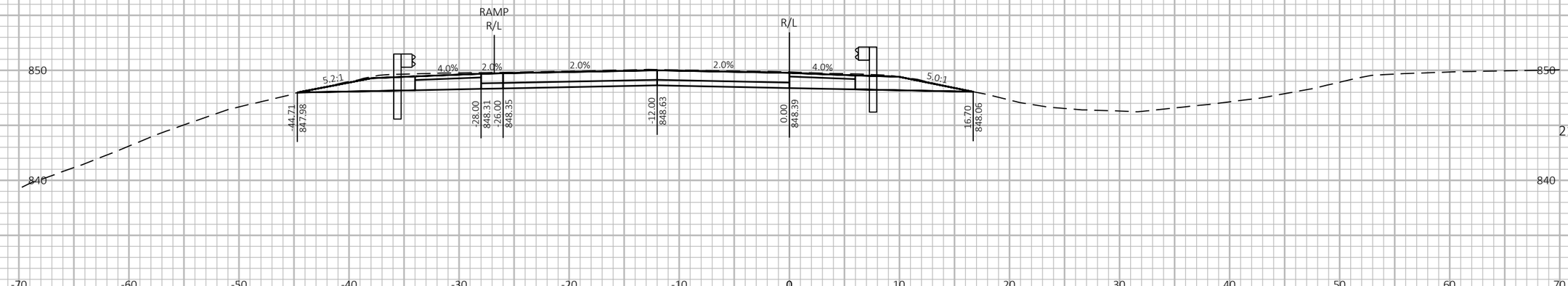
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

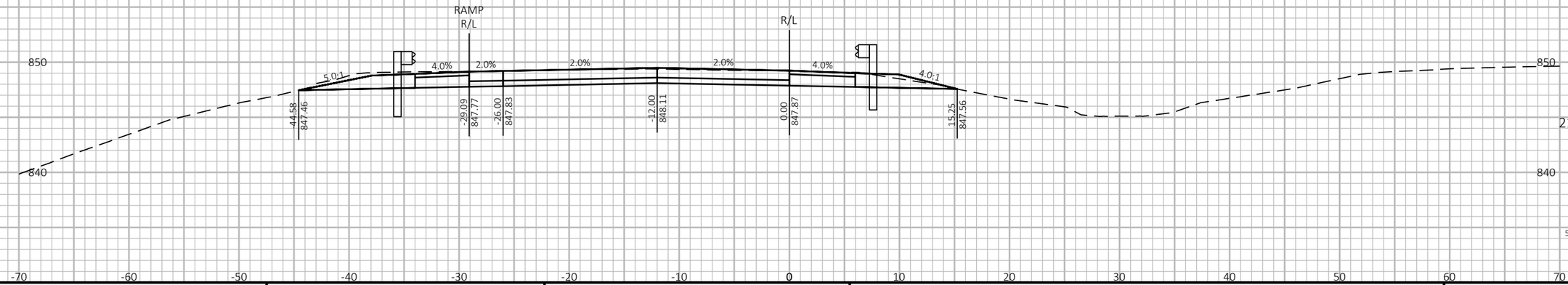
CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



2184+84



2184+00



2183+00

5 FT
5 FT

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 869	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090208-XS.DWG
LAYOUT NAME - 13

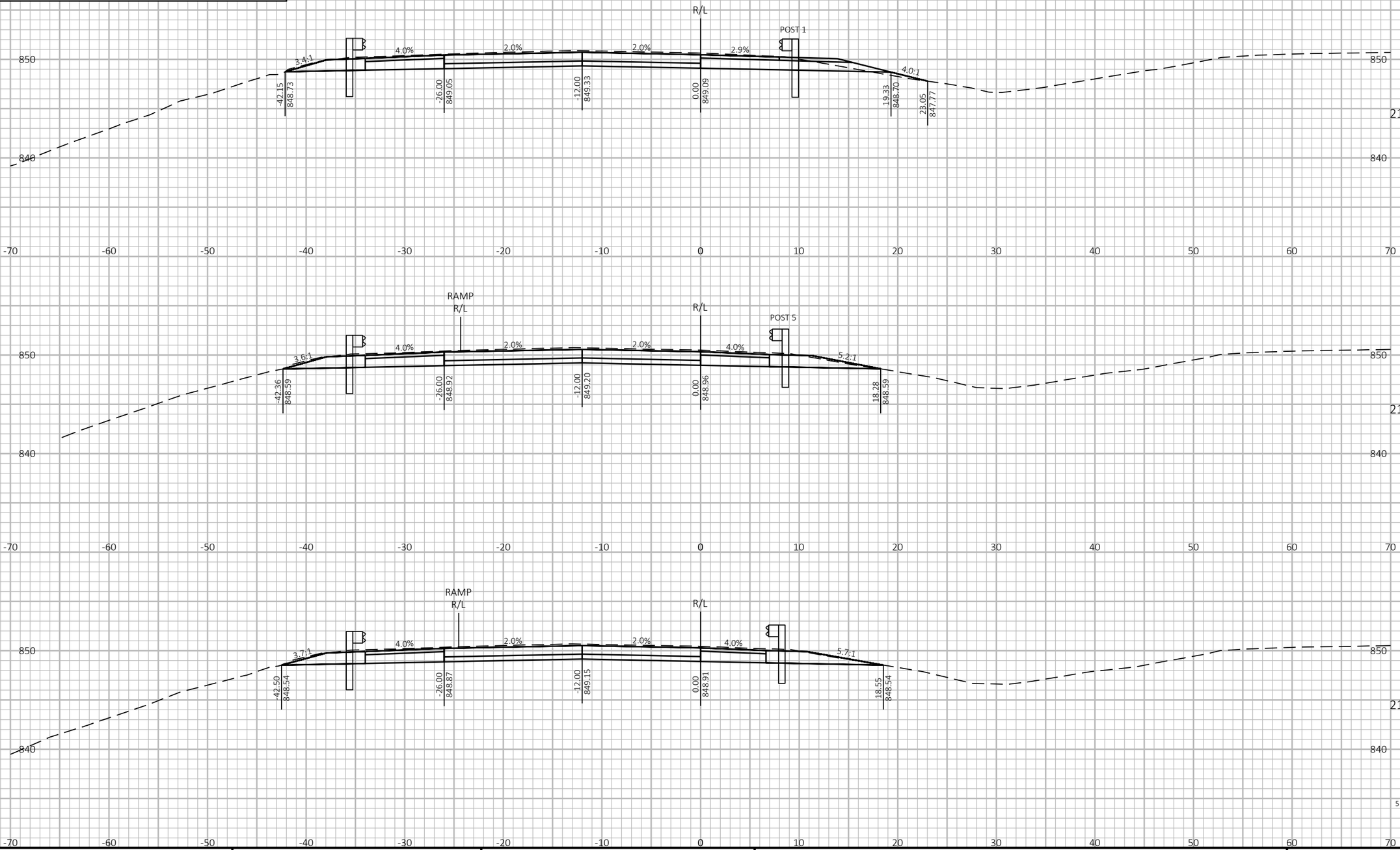
PLOT DATE : 7/26/2023 12:36 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 870	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090208-XS.DWG
LAYOUT NAME - 14

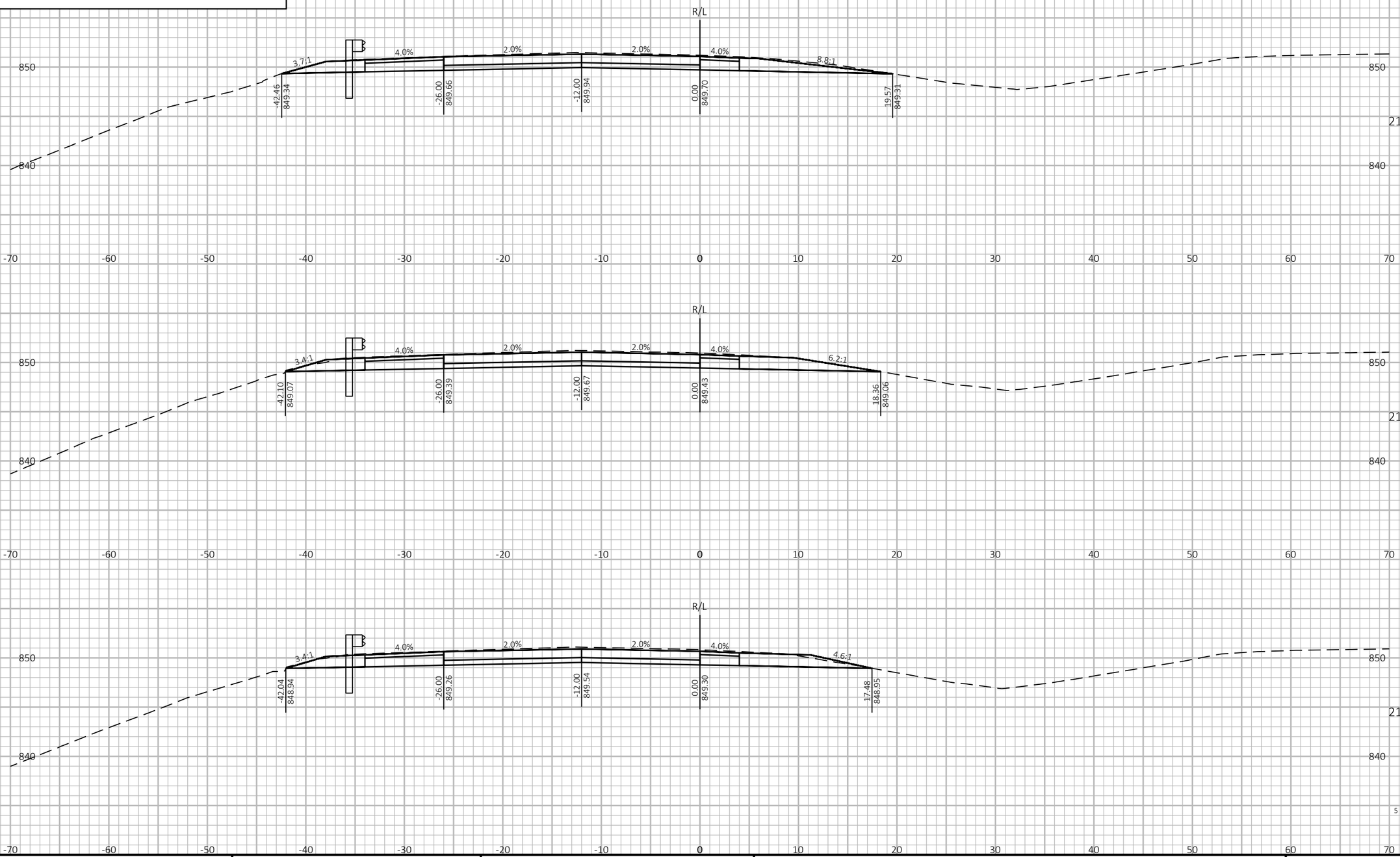
PLOT DATE : 7/26/2023 12:36 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 871	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090208-XS.DWG
LAYOUT NAME - 15

PLOT DATE : 7/26/2023 12:36 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 872	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090208-XS.DWG
LAYOUT NAME - 16

PLOT DATE : 7/26/2023 12:36 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

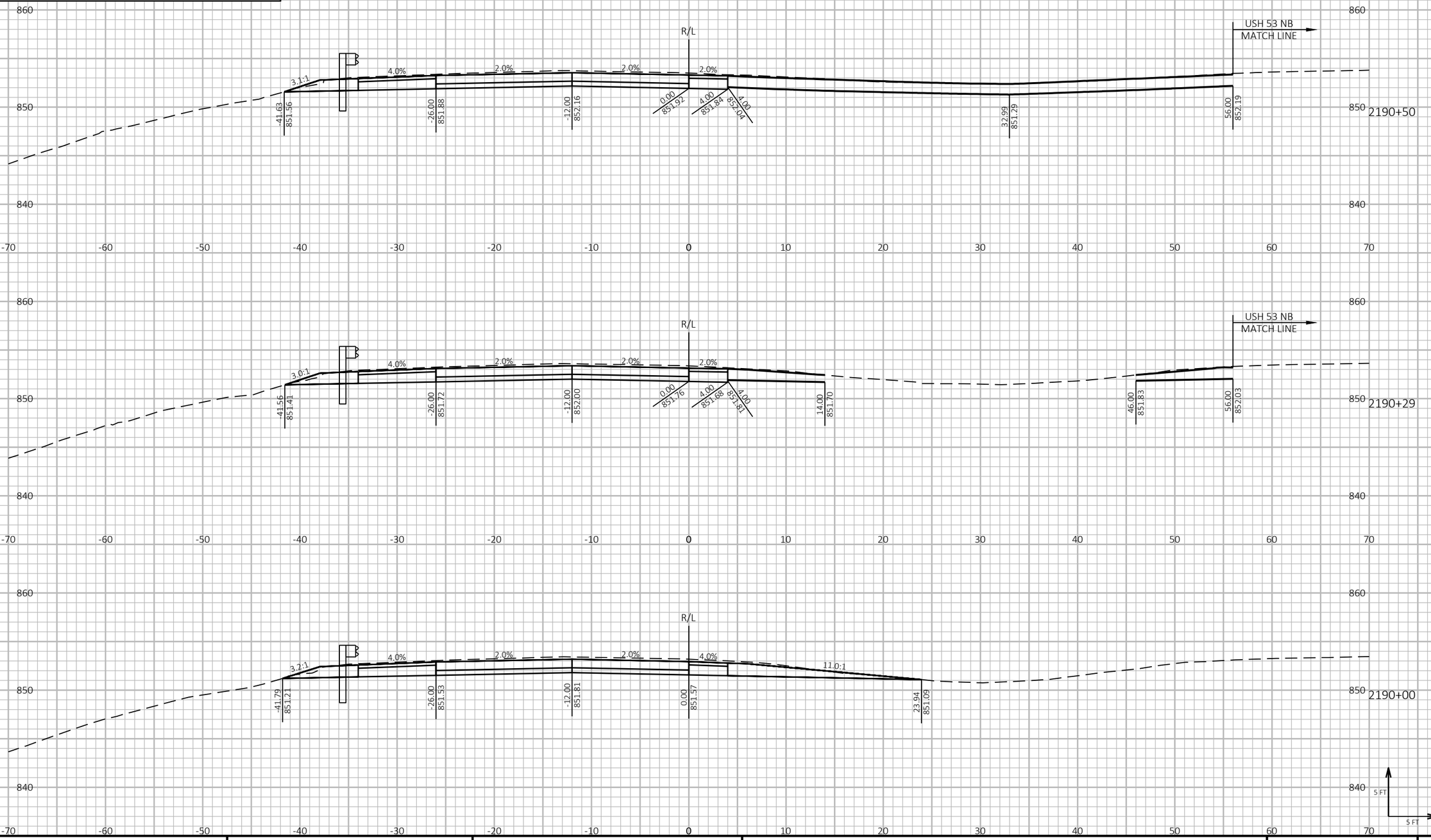
TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)

TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 873 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090208-XS.DWG
LAYOUT NAME - 17

PLOT DATE : 7/26/2023 12:37 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

LEGEND

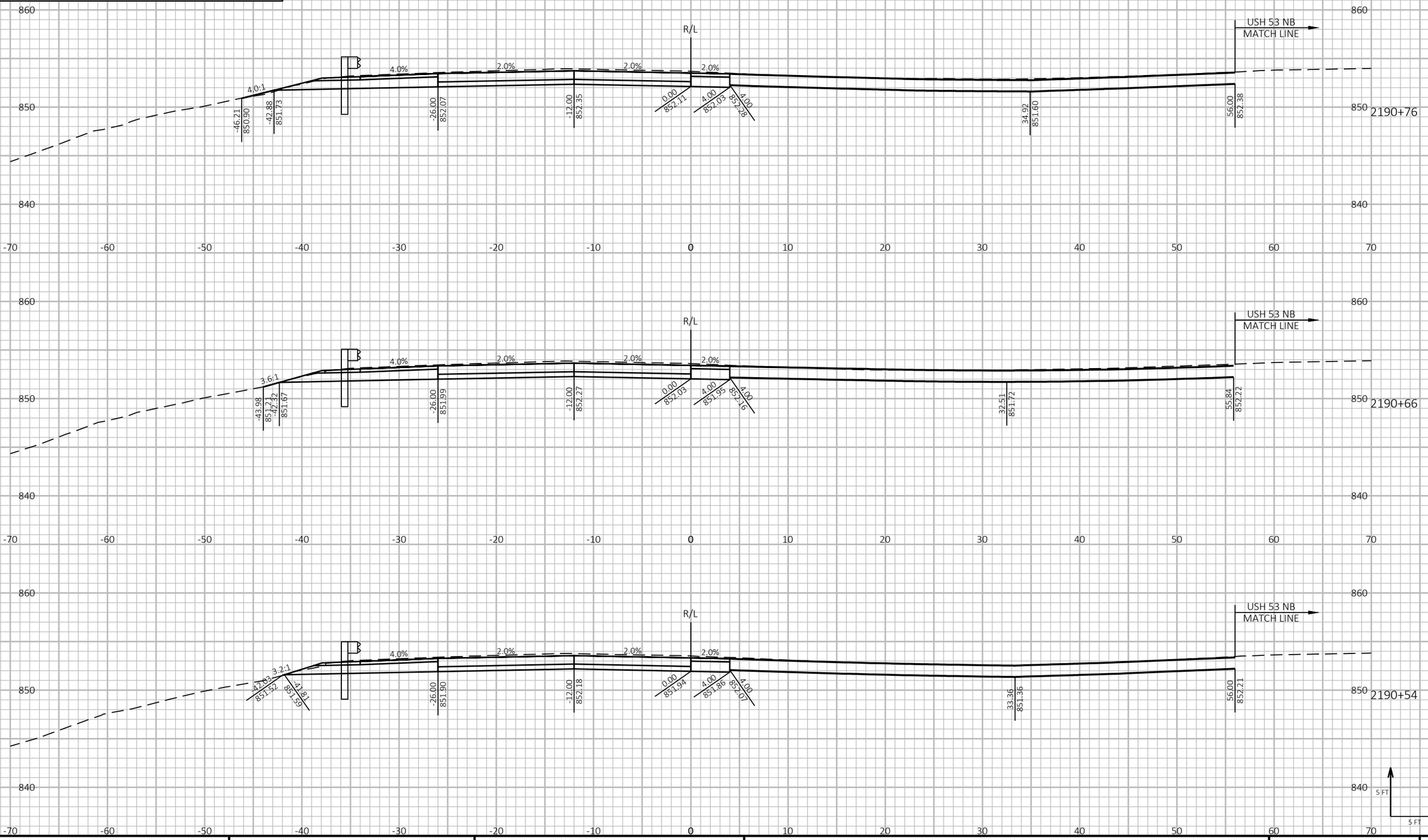
TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)

TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 874	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090208-XS.DWG
LAYOUT NAME - 18

PLOT DATE : 7/26/2023 12:37 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

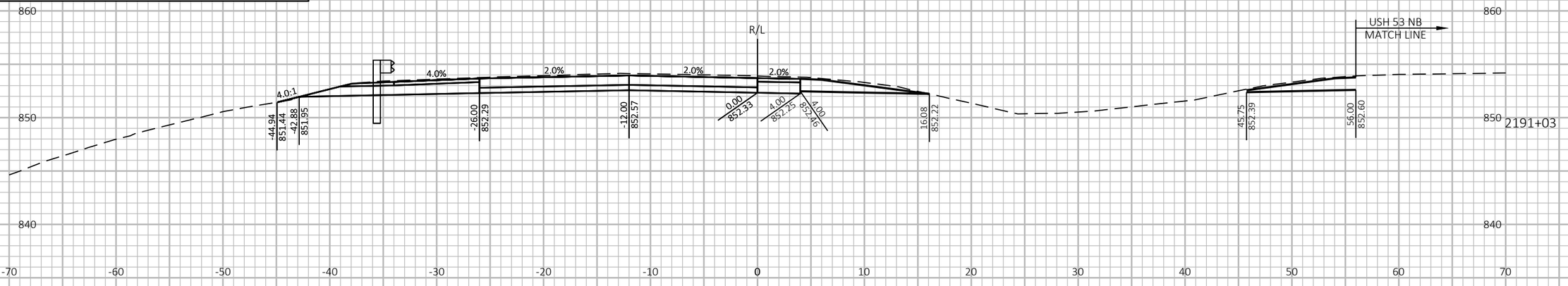
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

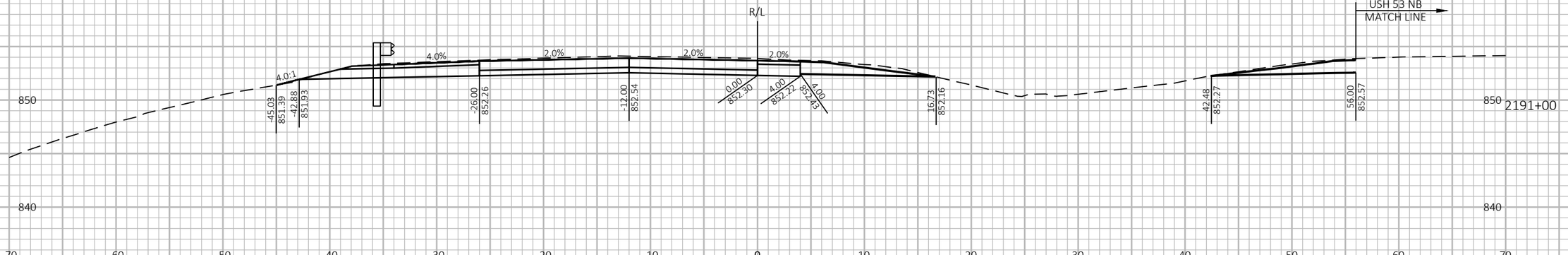
WISDOT/CADDS SHEET 49

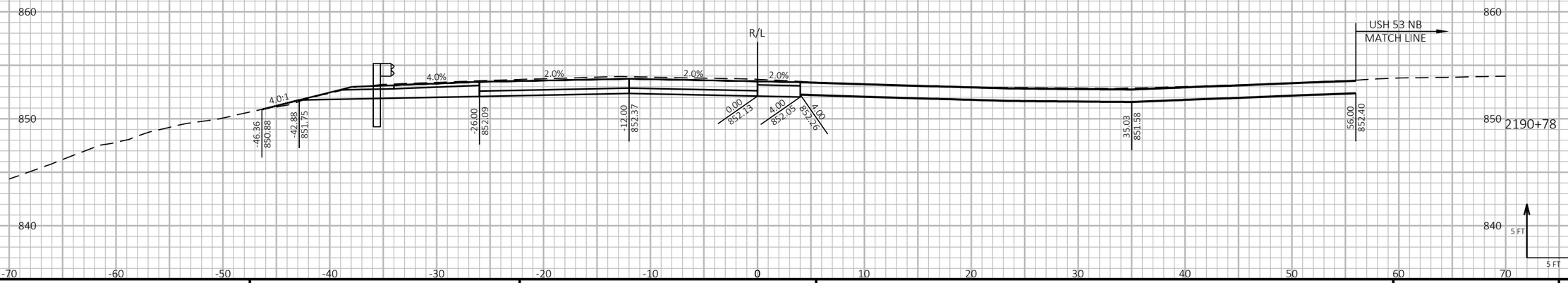
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 875 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090208-XS.DWG
LAYOUT NAME - 19

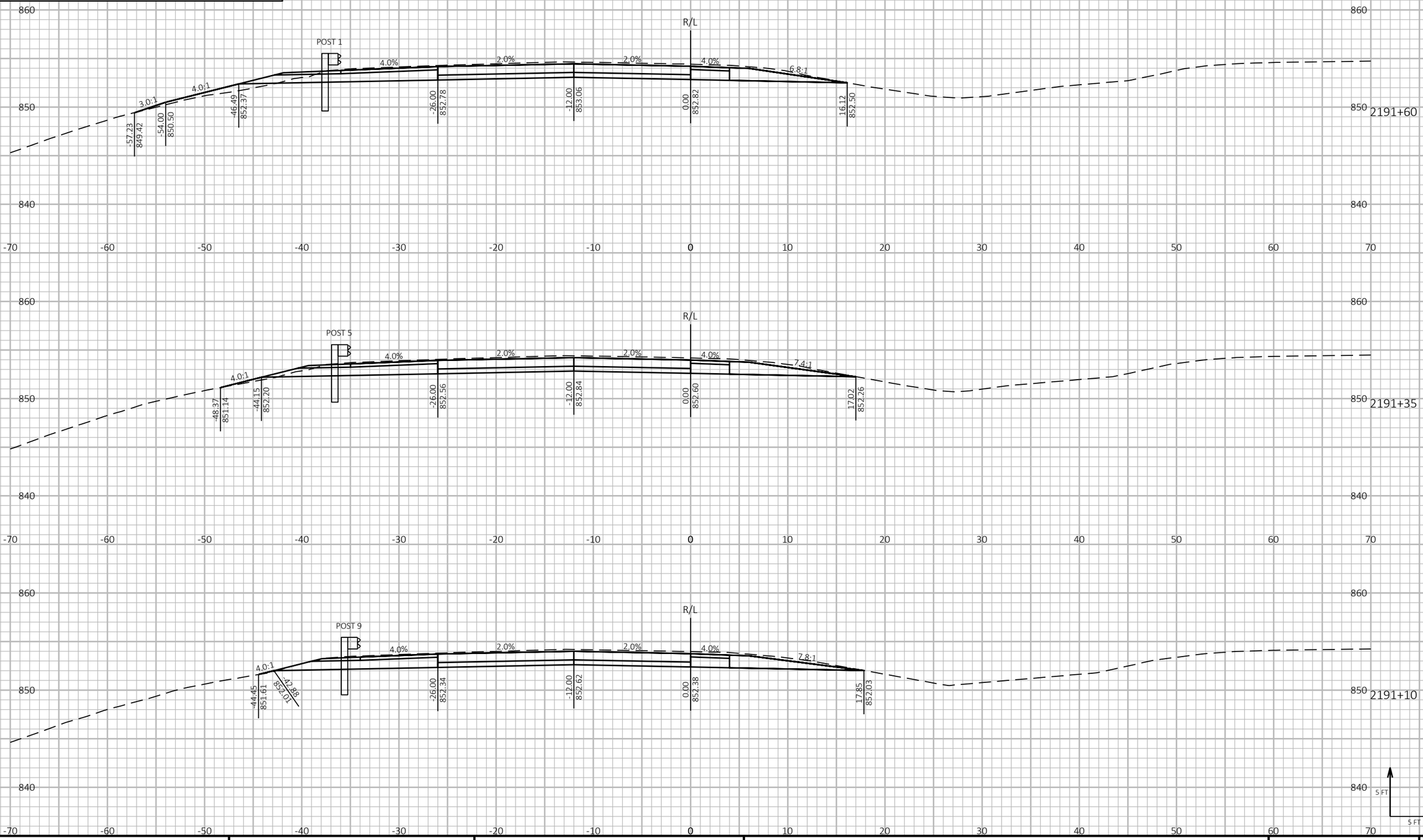
PLOT DATE : 7/26/2023 12:37 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 876	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090208-XS.DWG
LAYOUT NAME - 20

PLOT DATE : 7/26/2023 12:37 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

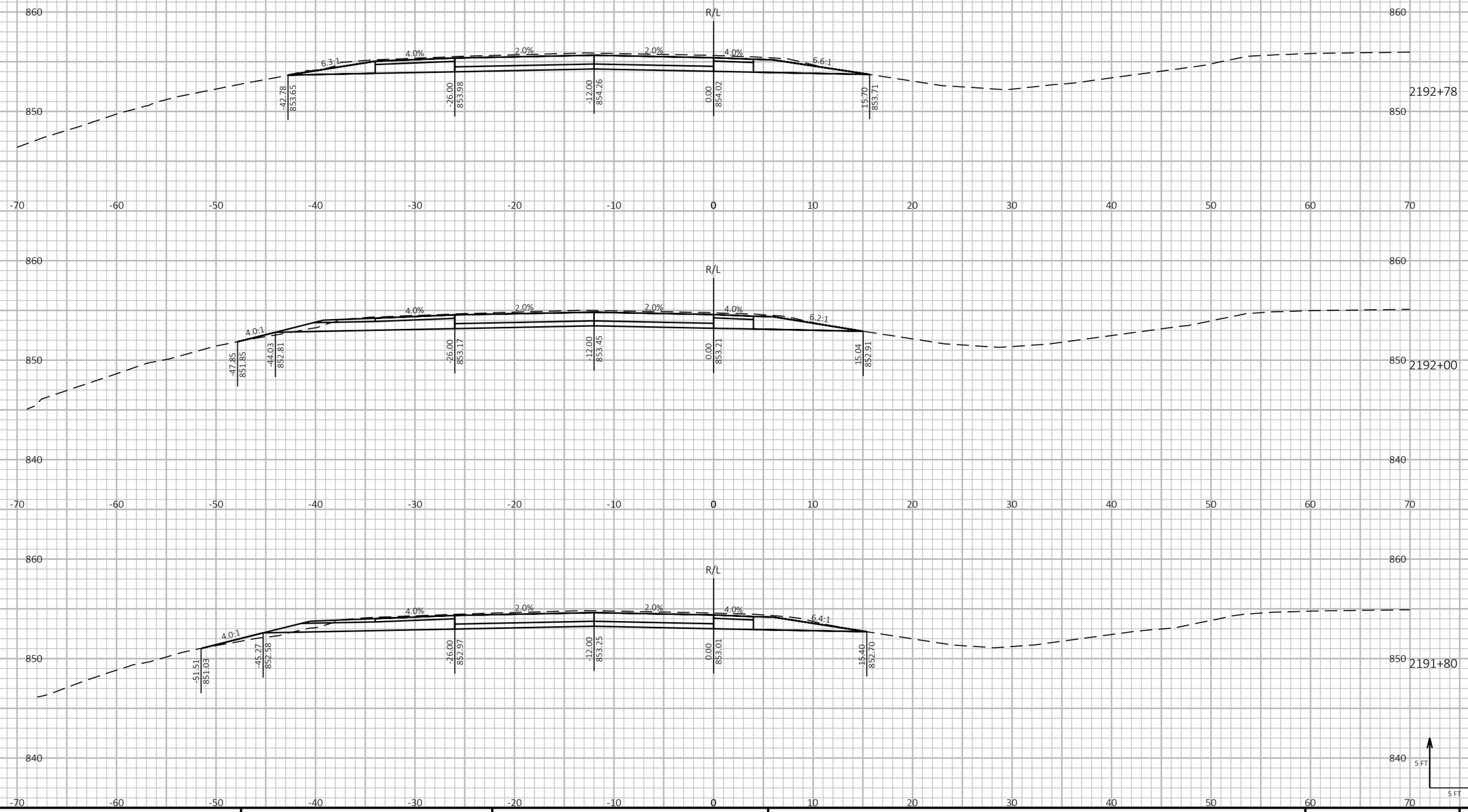
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 877	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090208-XS.DWG
LAYOUT NAME - 21

PLOT DATE : 7/26/2023 12:38 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

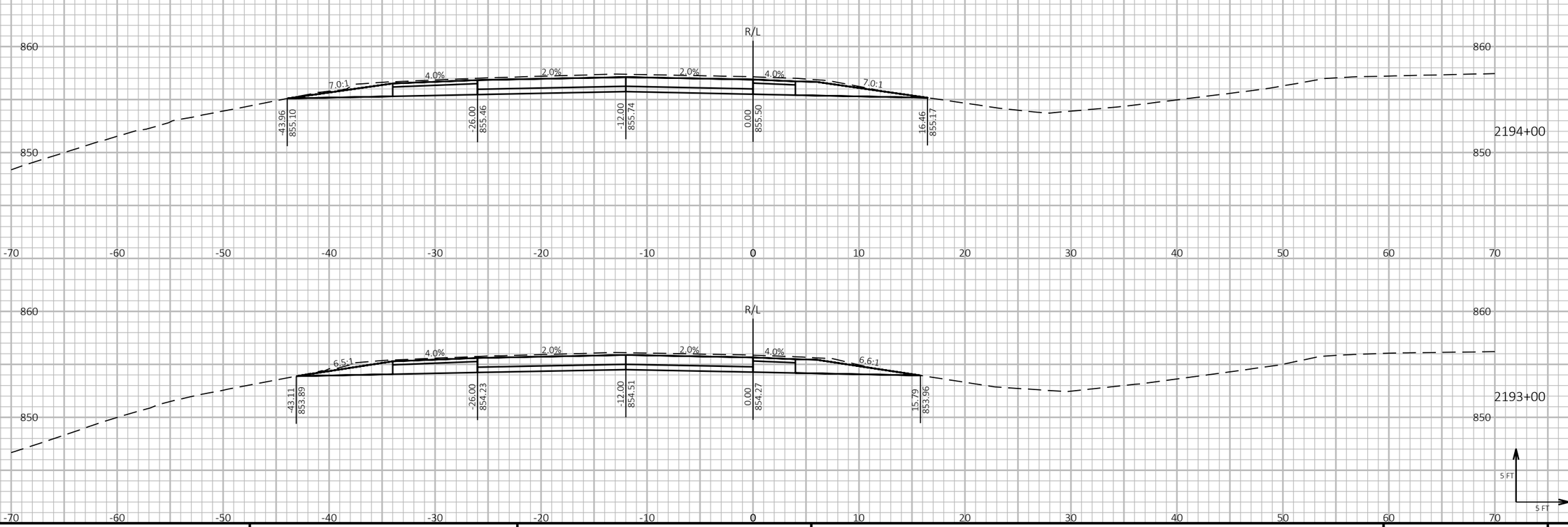
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 878	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090208-XS.DWG
LAYOUT NAME - 22

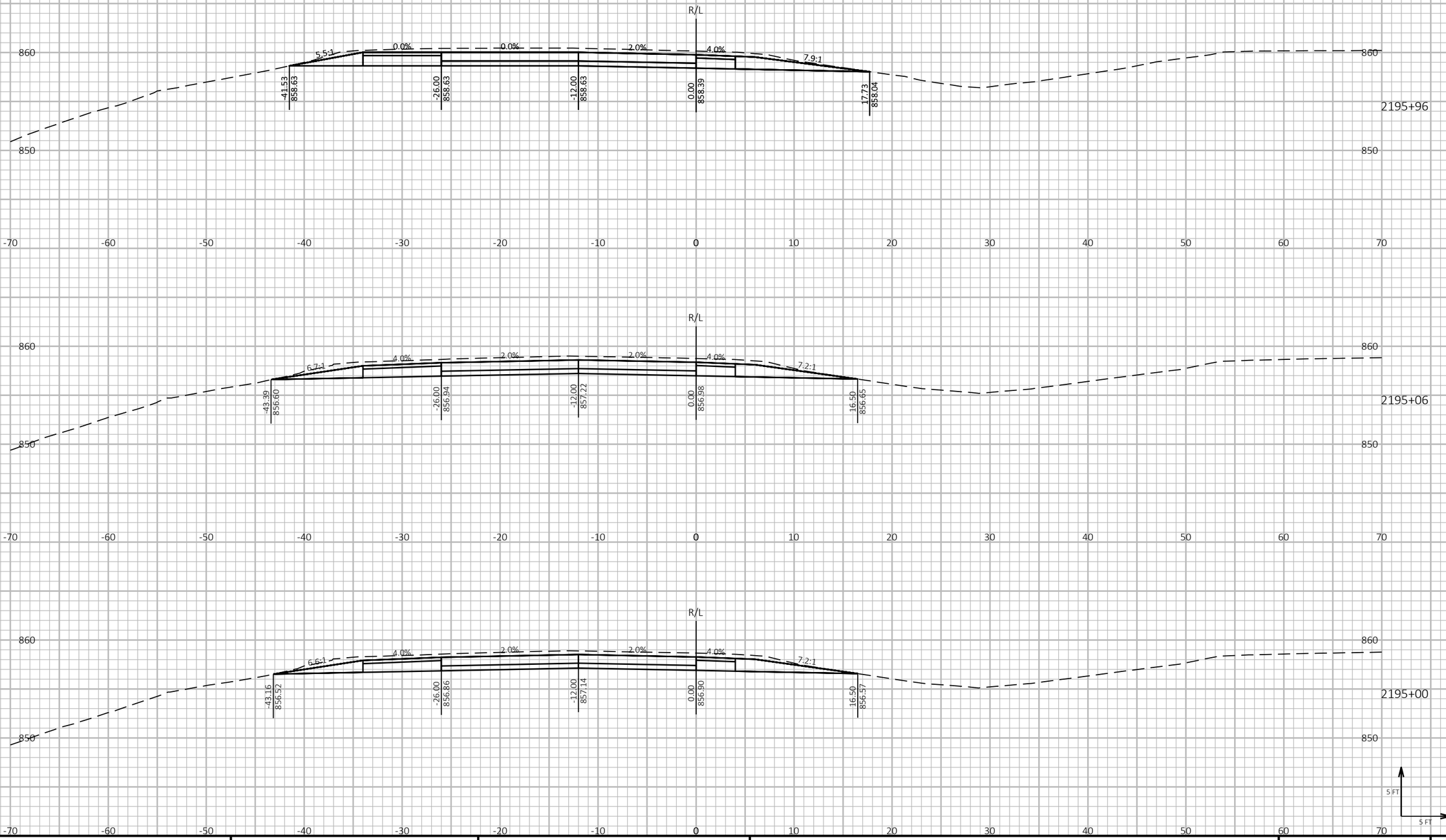
PLOT DATE : 7/26/2023 12:38 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 879	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 12:40 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

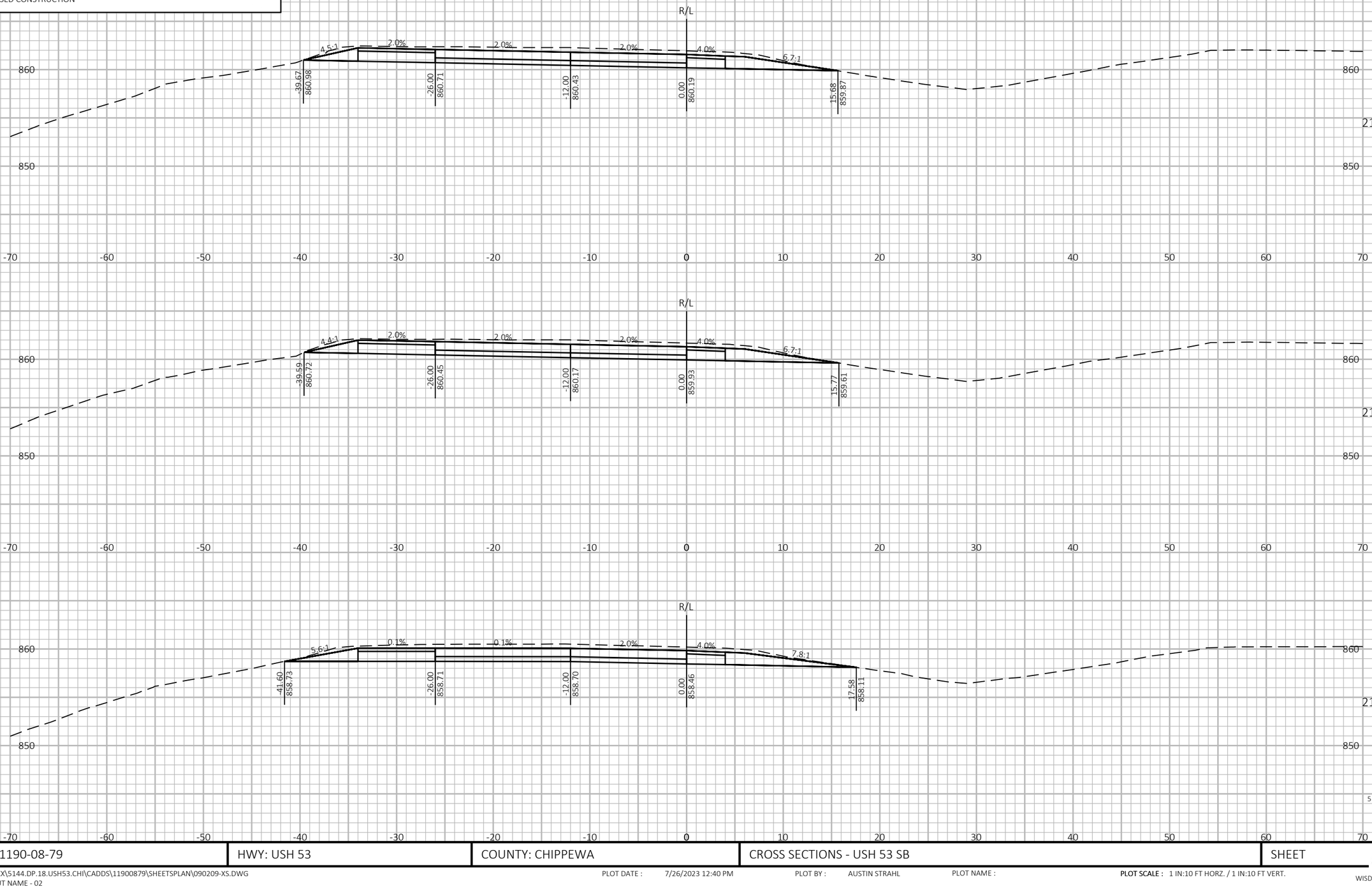
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 880	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 02

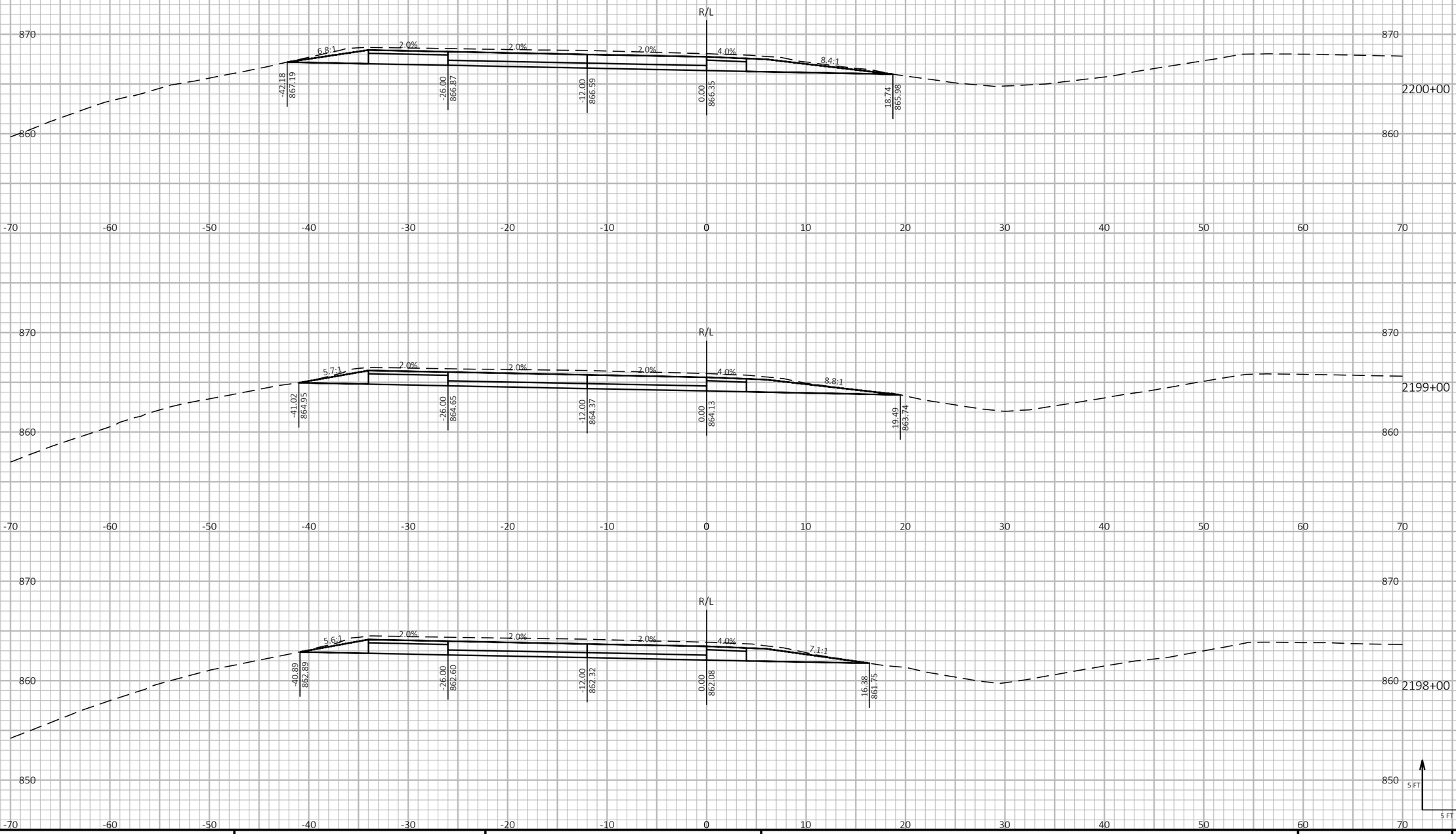
PLOT DATE : 7/26/2023 12:40 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 881 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/26/2023 12:40 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

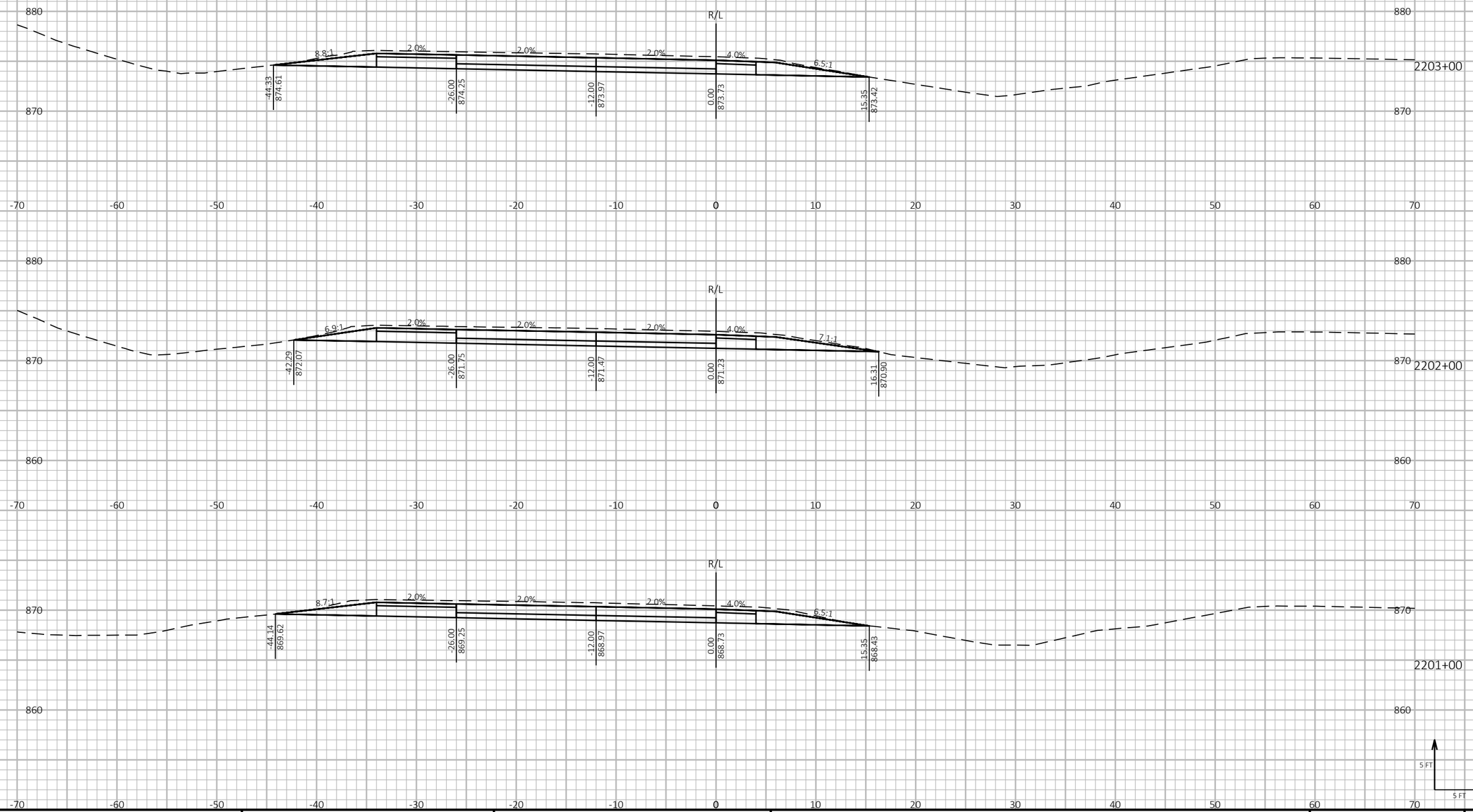
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 882	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 04

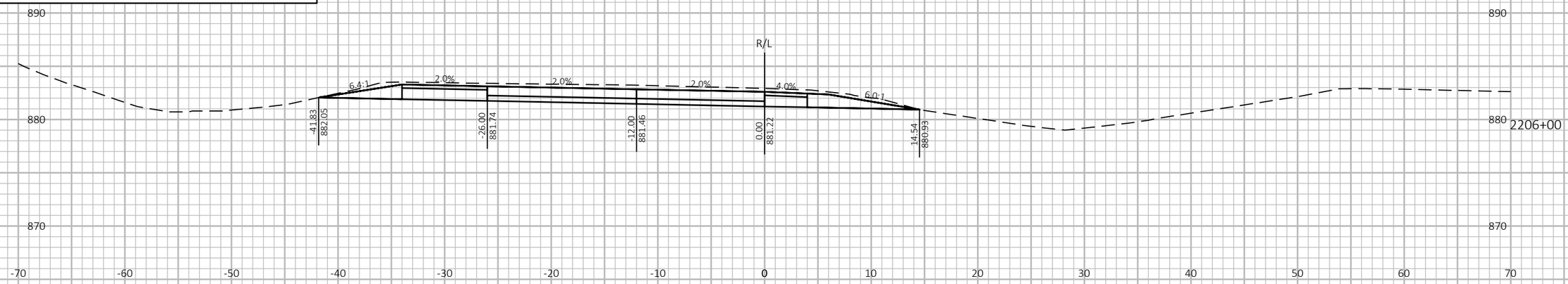
PLOT DATE : 7/26/2023 12:40 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

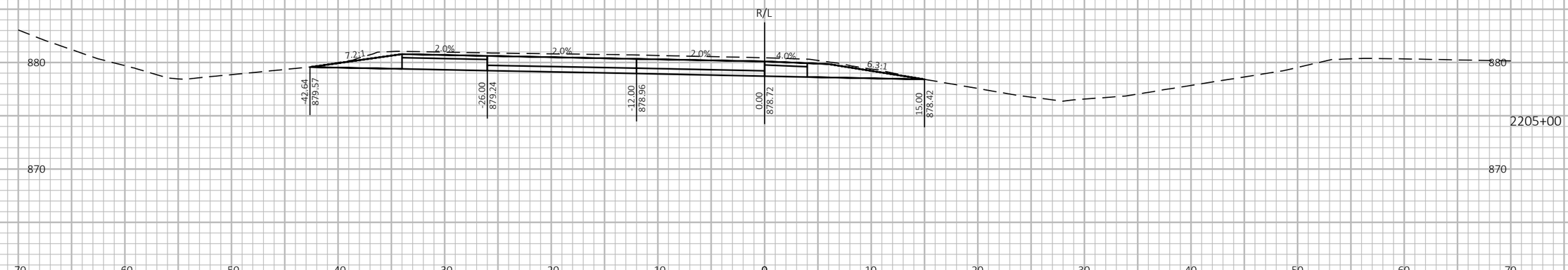
WISDOT/CADDS SHEET 49

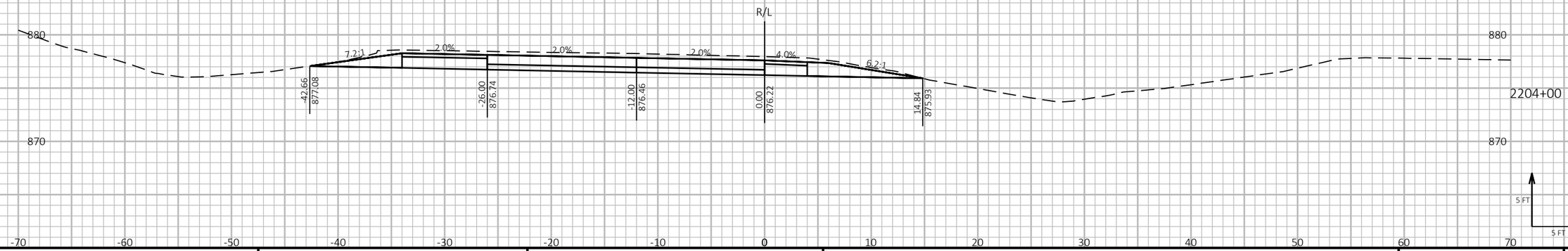
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 883	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 05

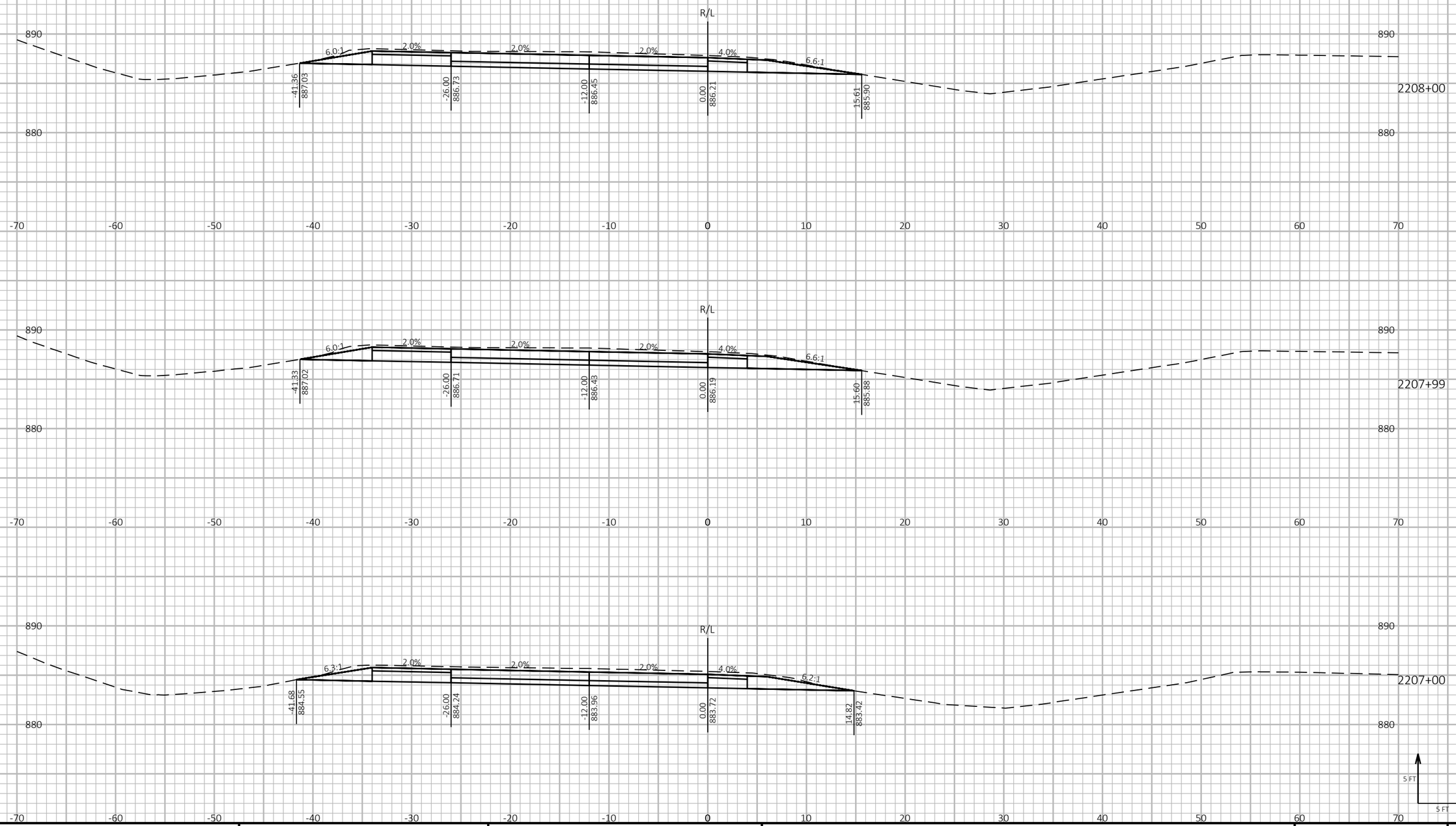
PLOT DATE : 7/26/2023 12:40 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 884	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/26/2023 12:41 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

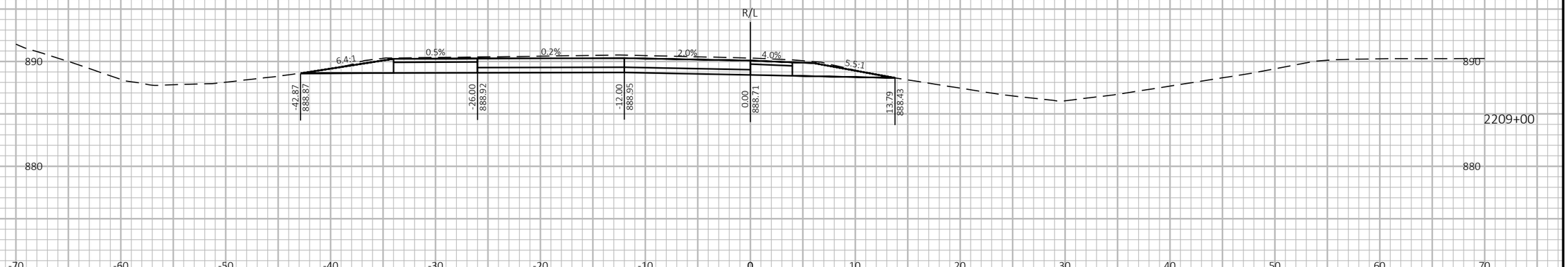
WISDOT/CADDS SHEET 49

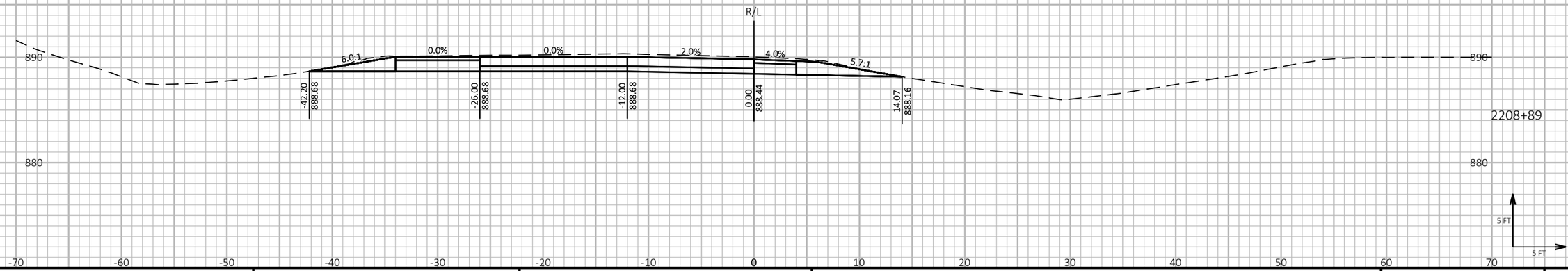
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 885	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 07

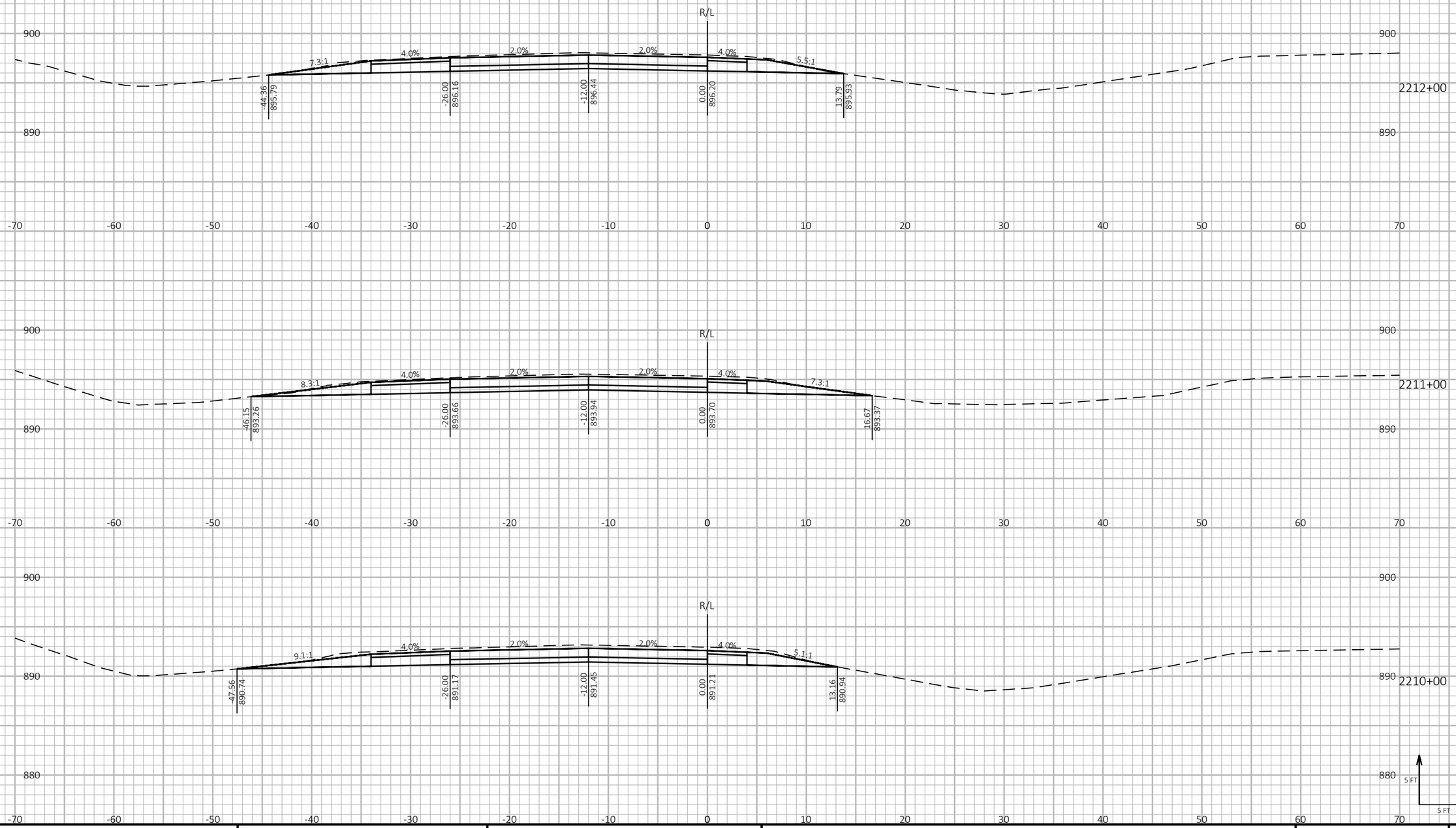
PLOT DATE : 7/26/2023 12:41 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 886	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 08

PLOT DATE : 7/26/2023 12:41 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

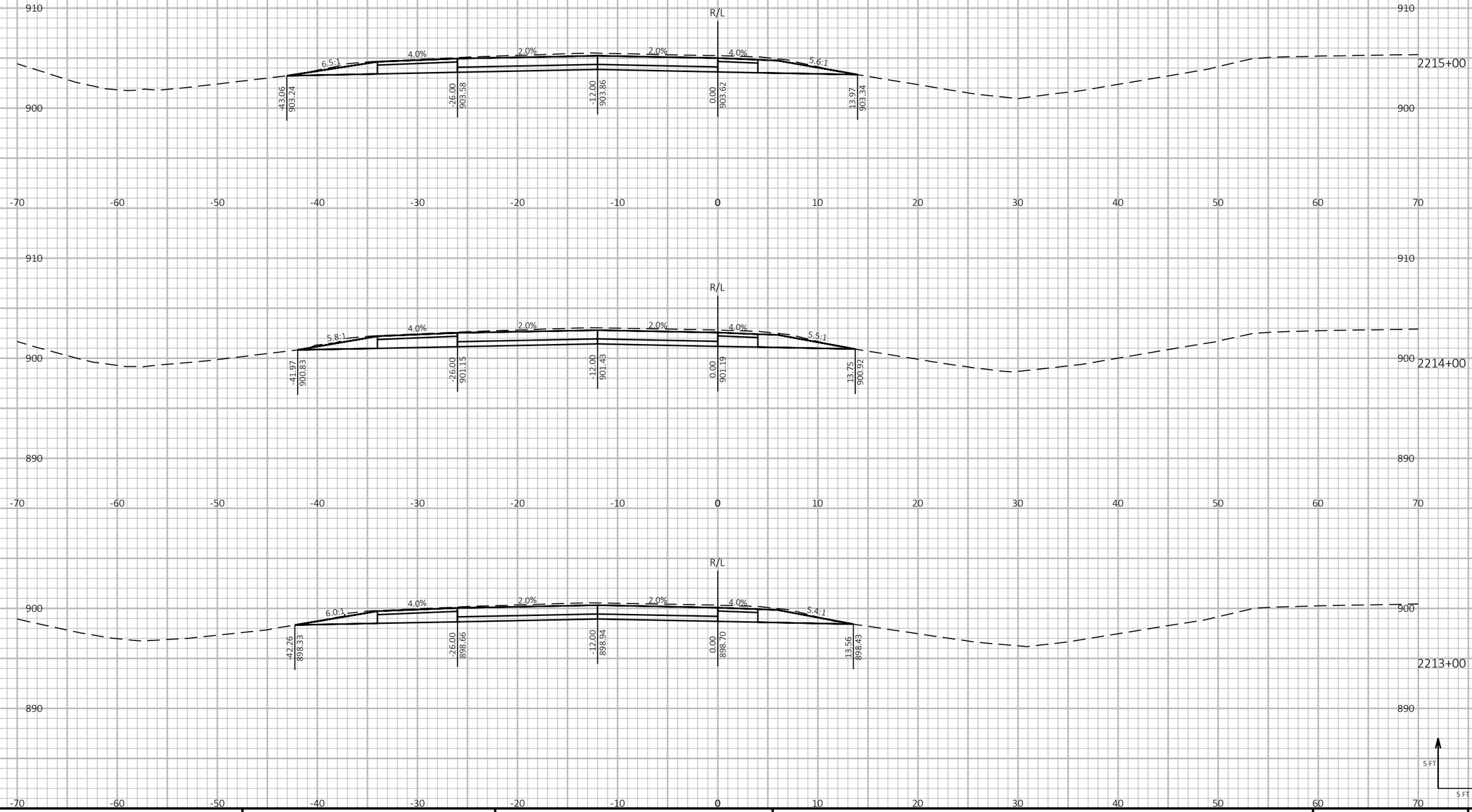
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 887	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 09

PLOT DATE : 7/26/2023 12:41 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

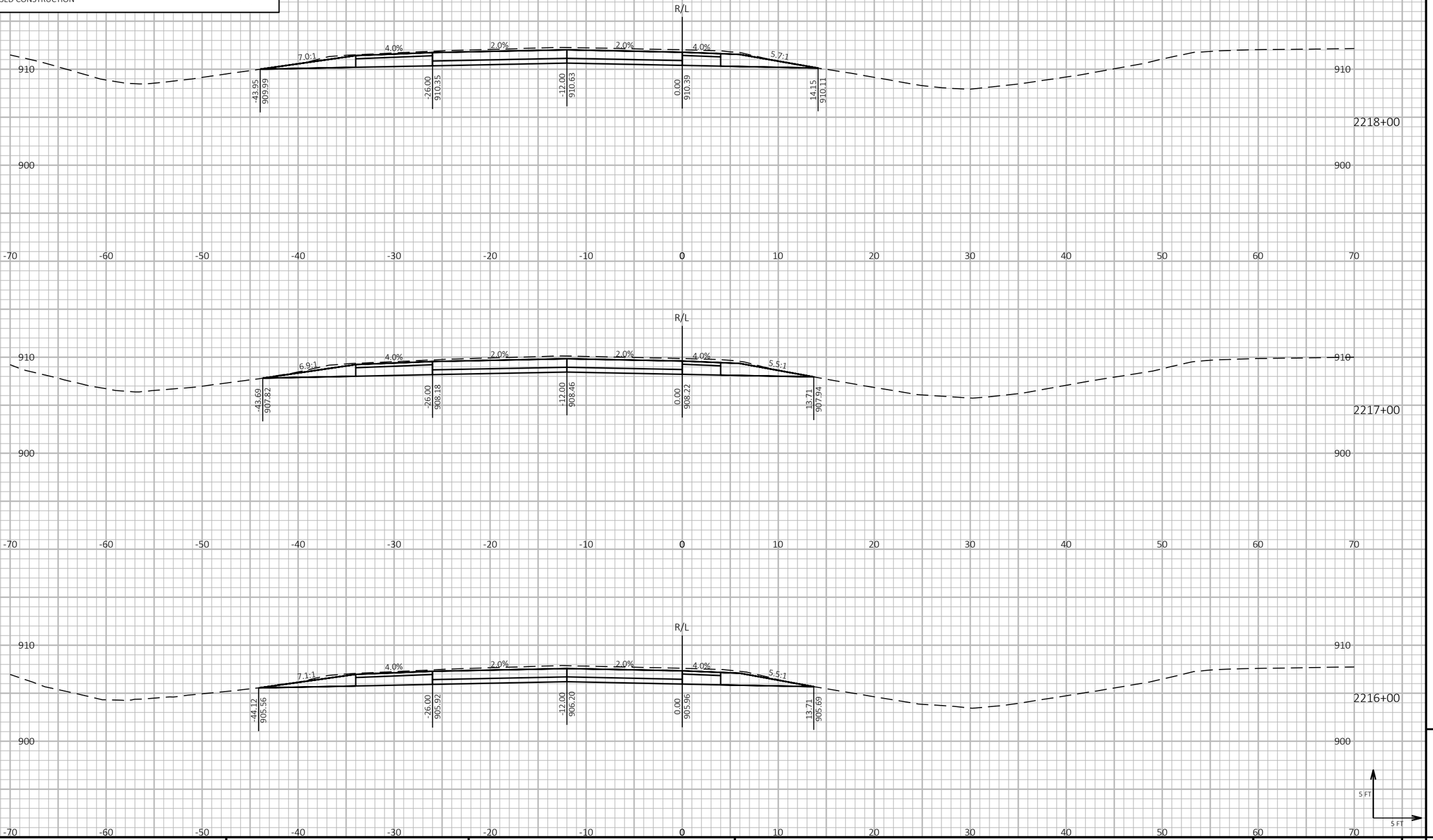
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 888	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 10

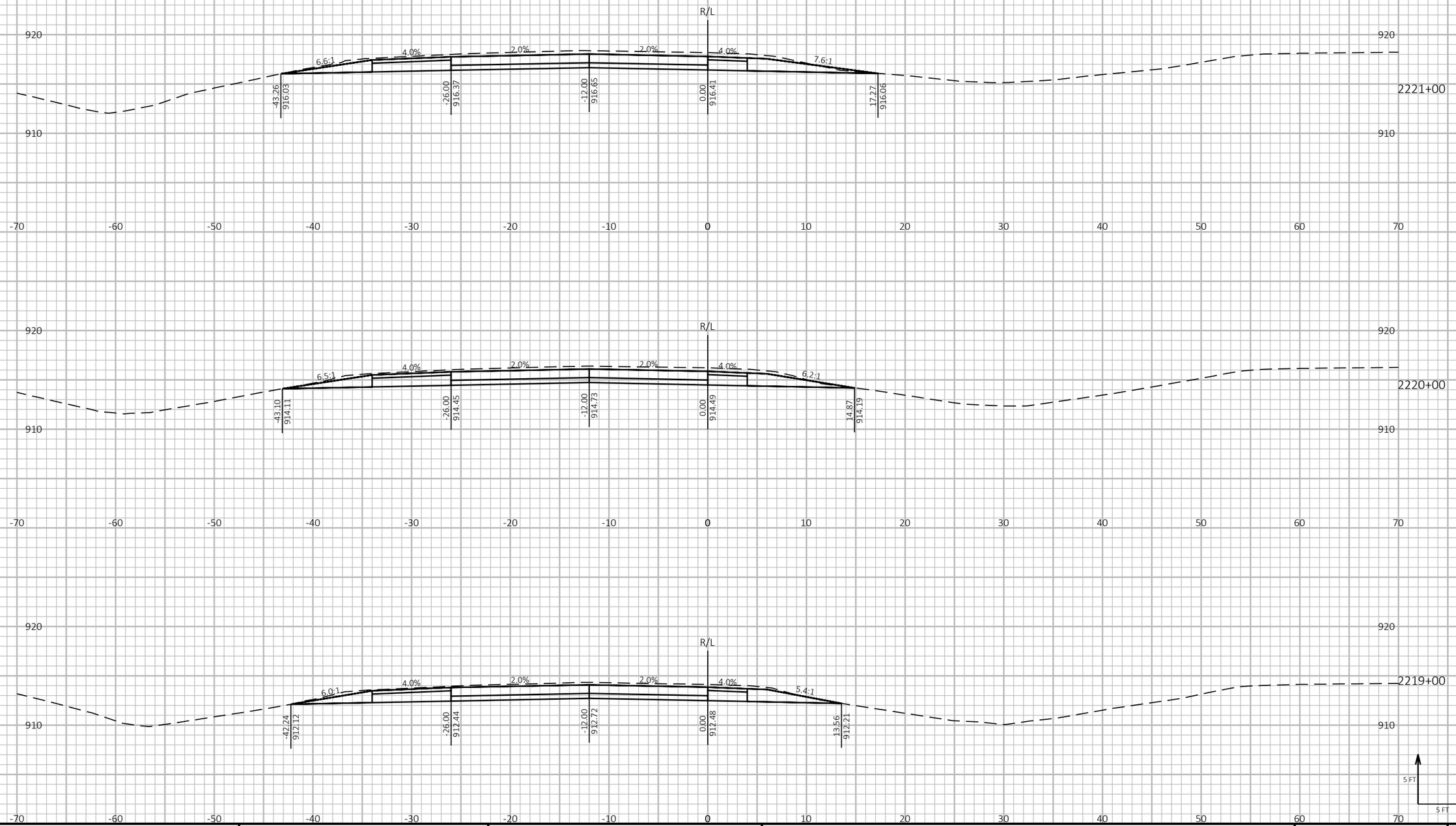
PLOT DATE : 7/26/2023 12:41 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 889	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 11

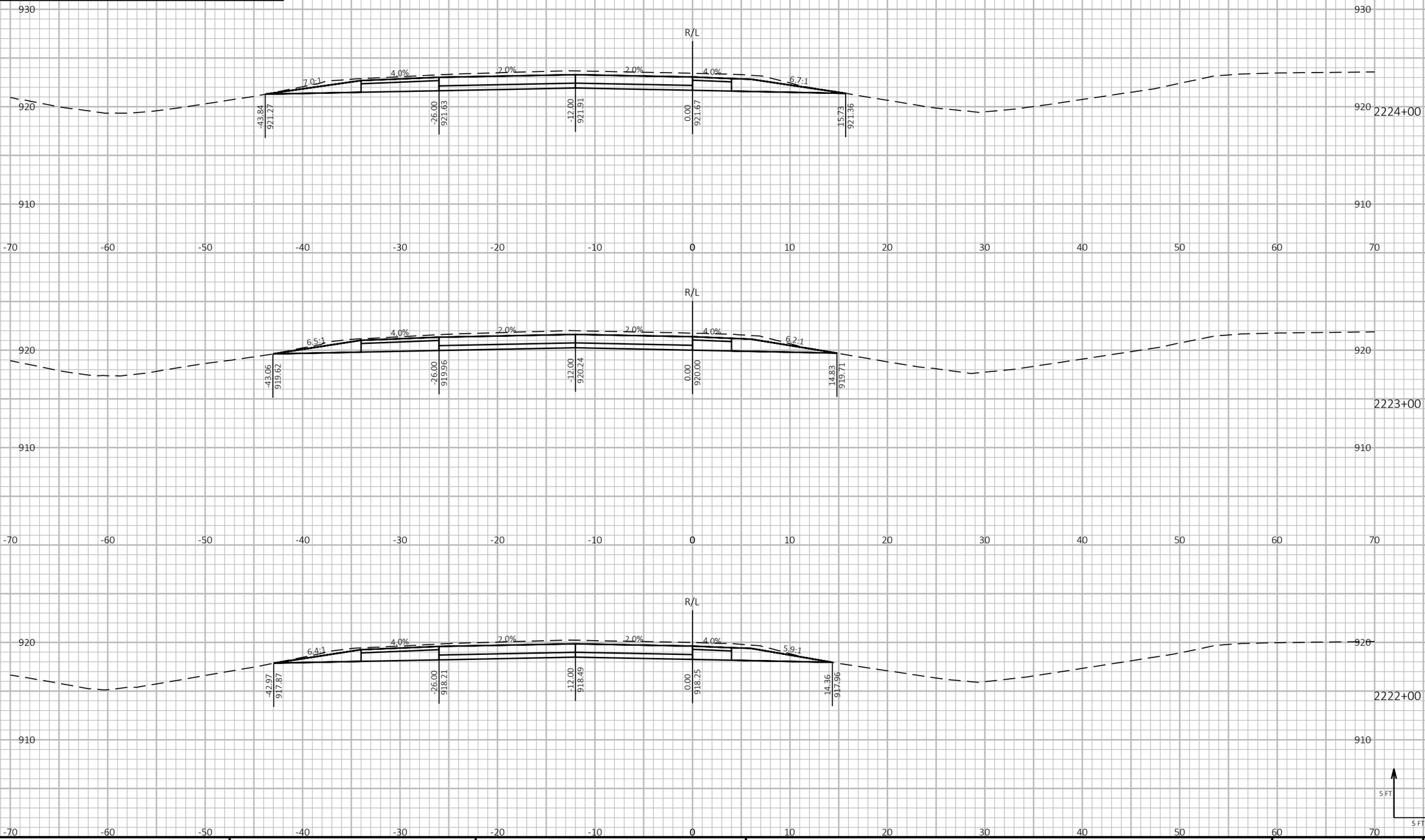
PLOT DATE : 7/26/2023 12:41 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 890	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 12

PLOT DATE : 7/26/2023 12:42 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

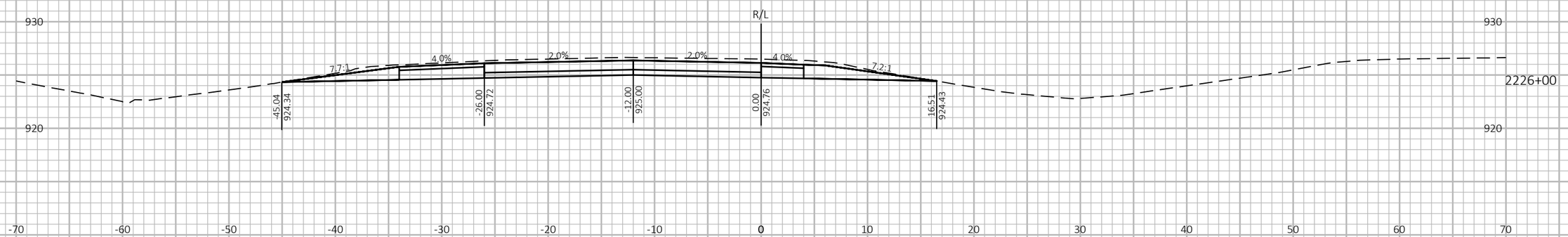
WISDOT/CADDS SHEET 49

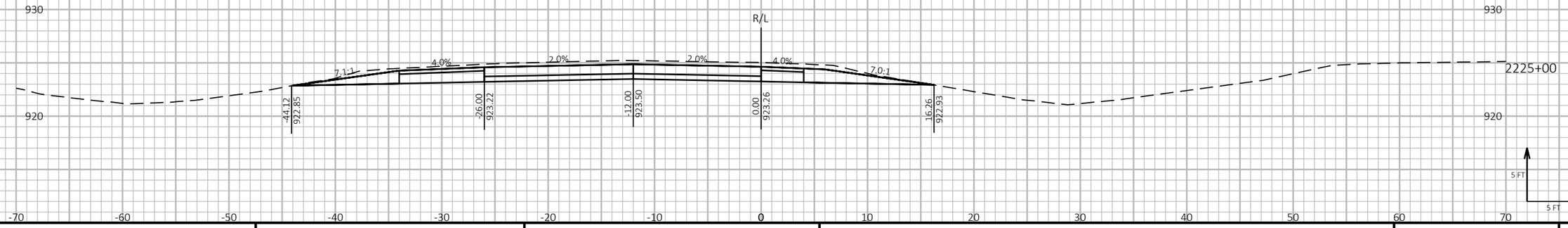
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 891	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 13

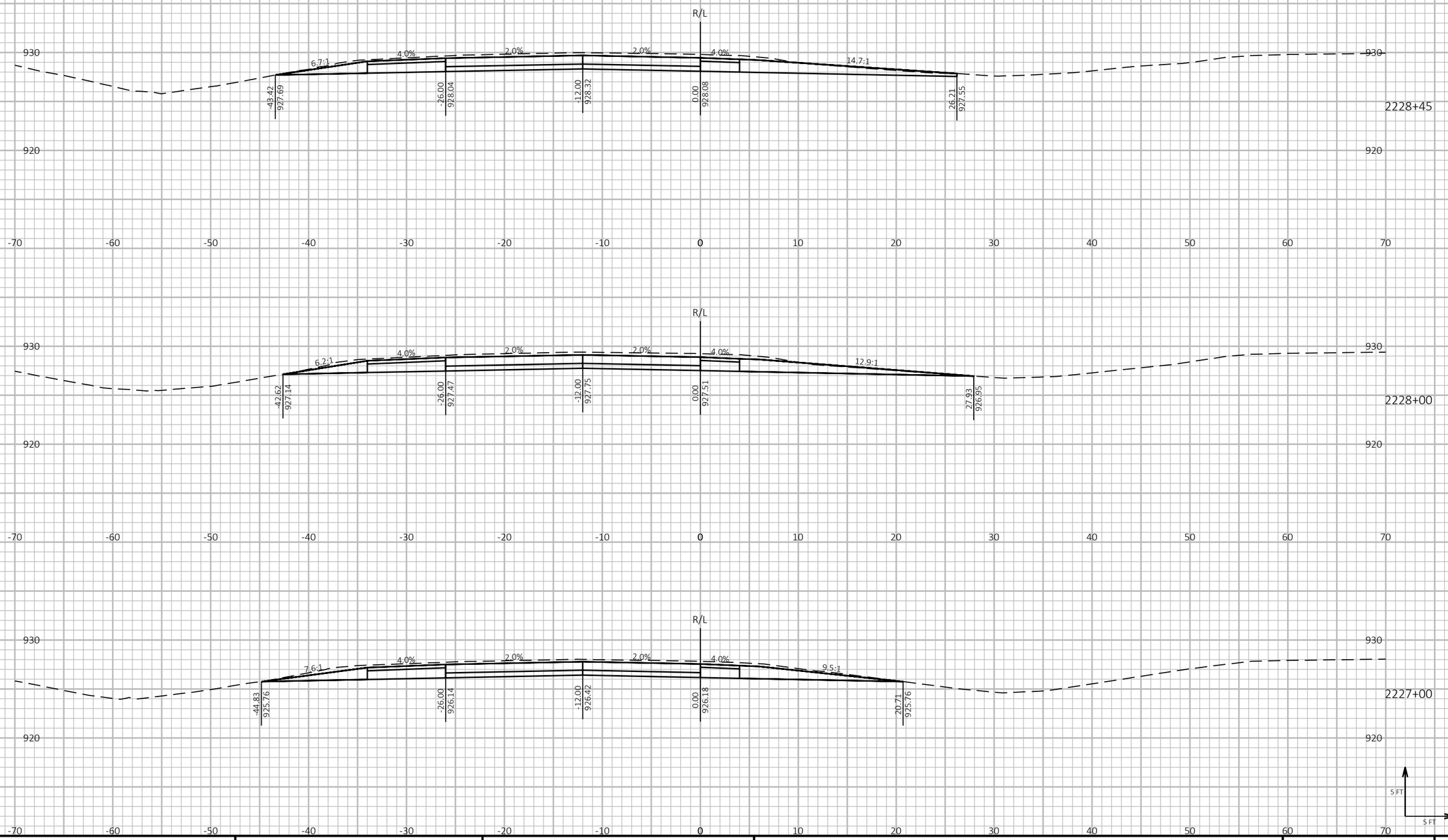
PLOT DATE : 7/26/2023 12:42 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 892	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 14

PLOT DATE : 7/26/2023 12:42 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

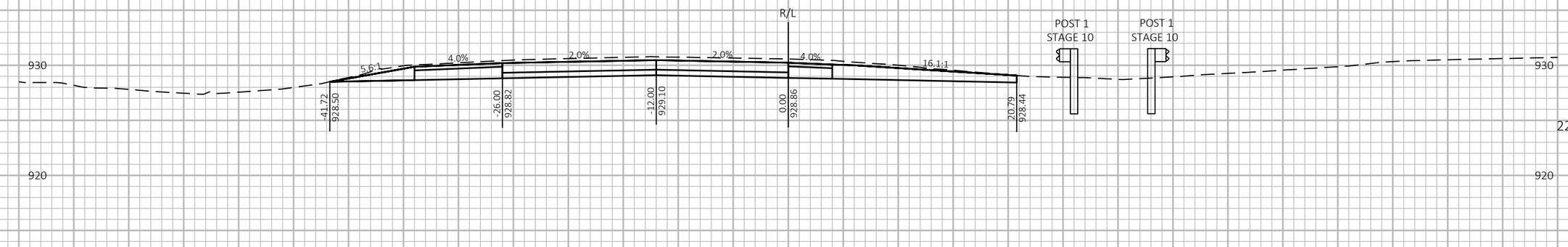
WISDOT/CADDS SHEET 49

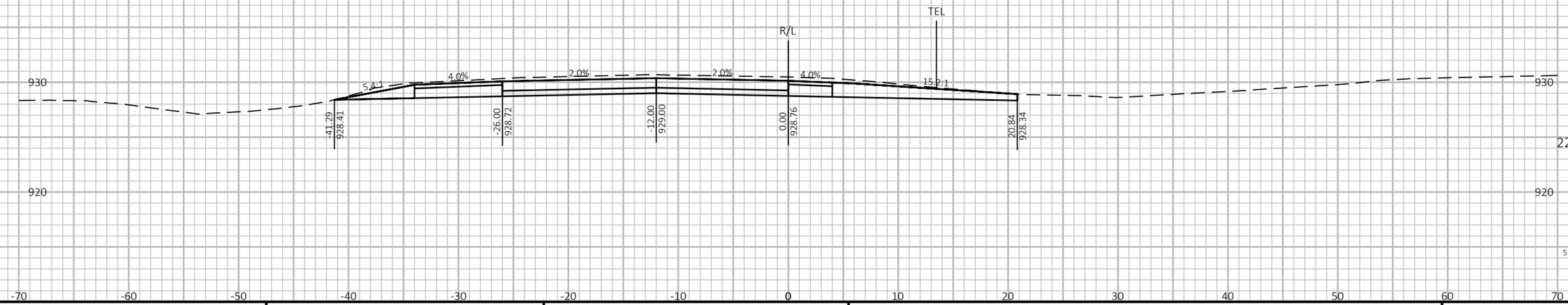
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 893	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 15

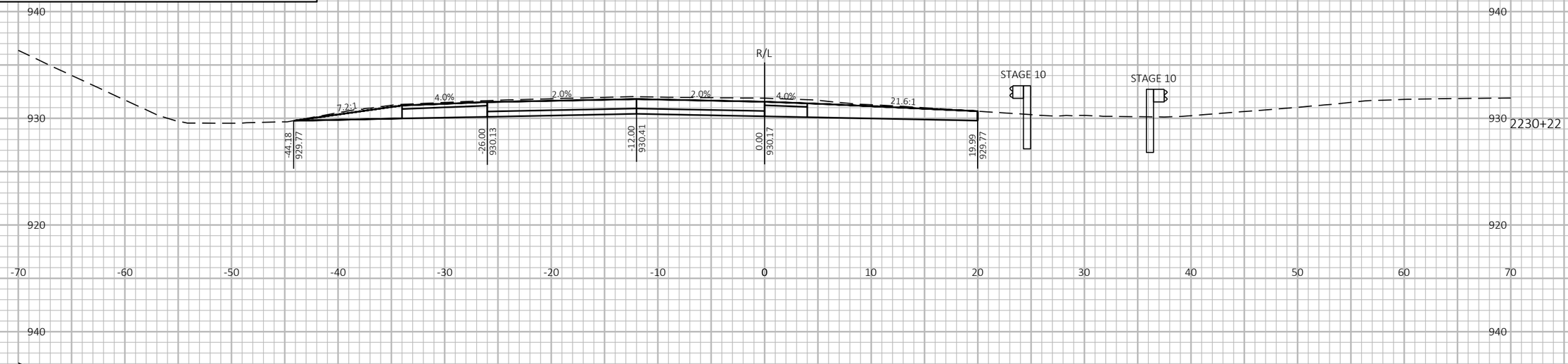
PLOT DATE : 7/26/2023 12:42 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

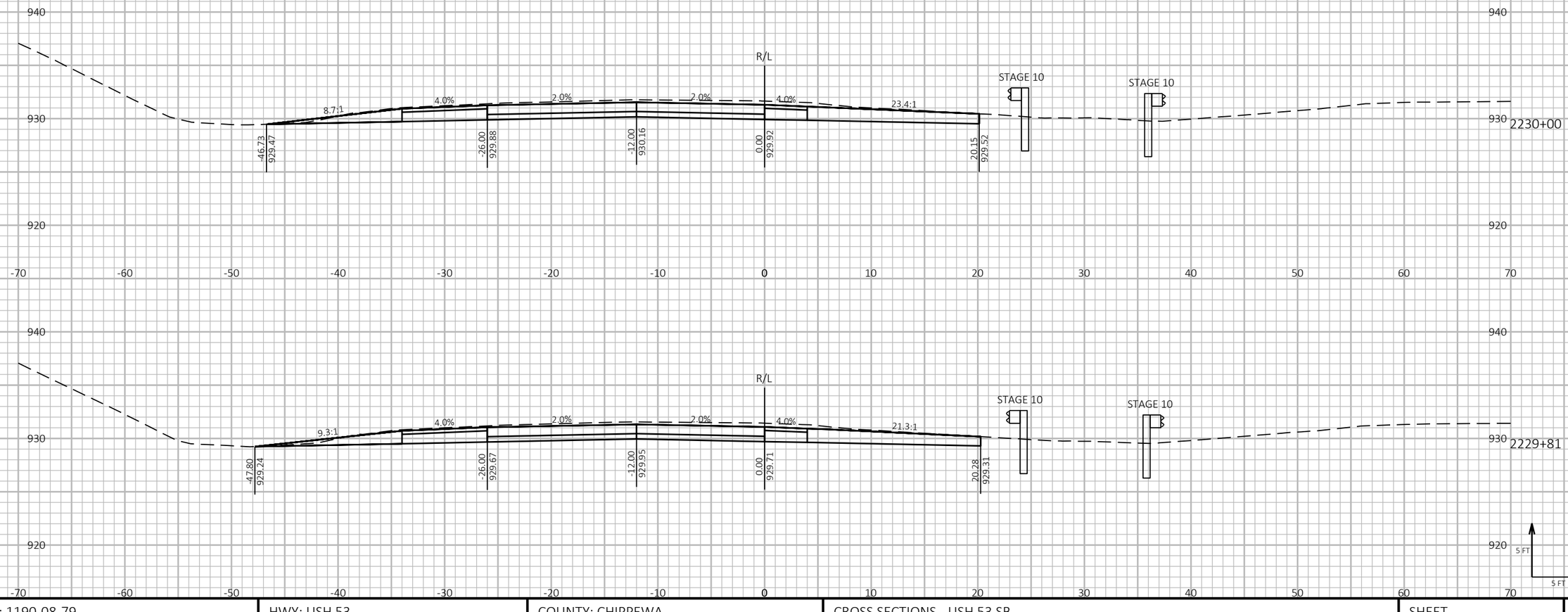
WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT





9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 894	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 16

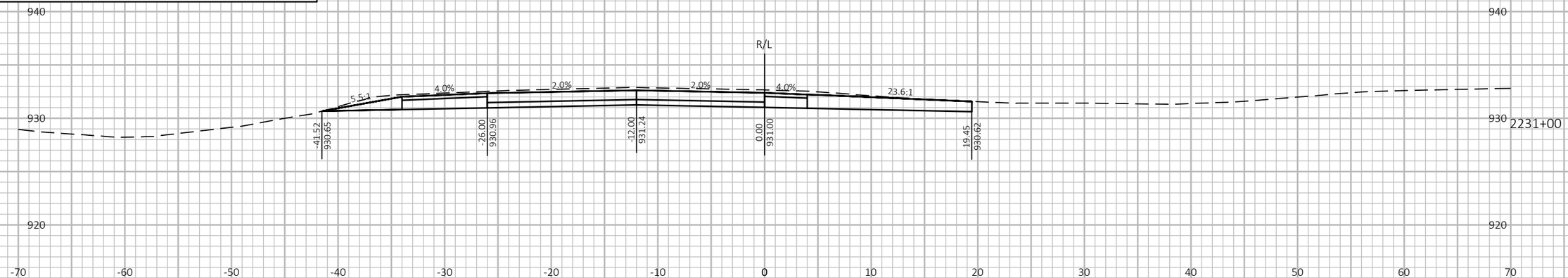
PLOT DATE : 7/26/2023 12:42 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

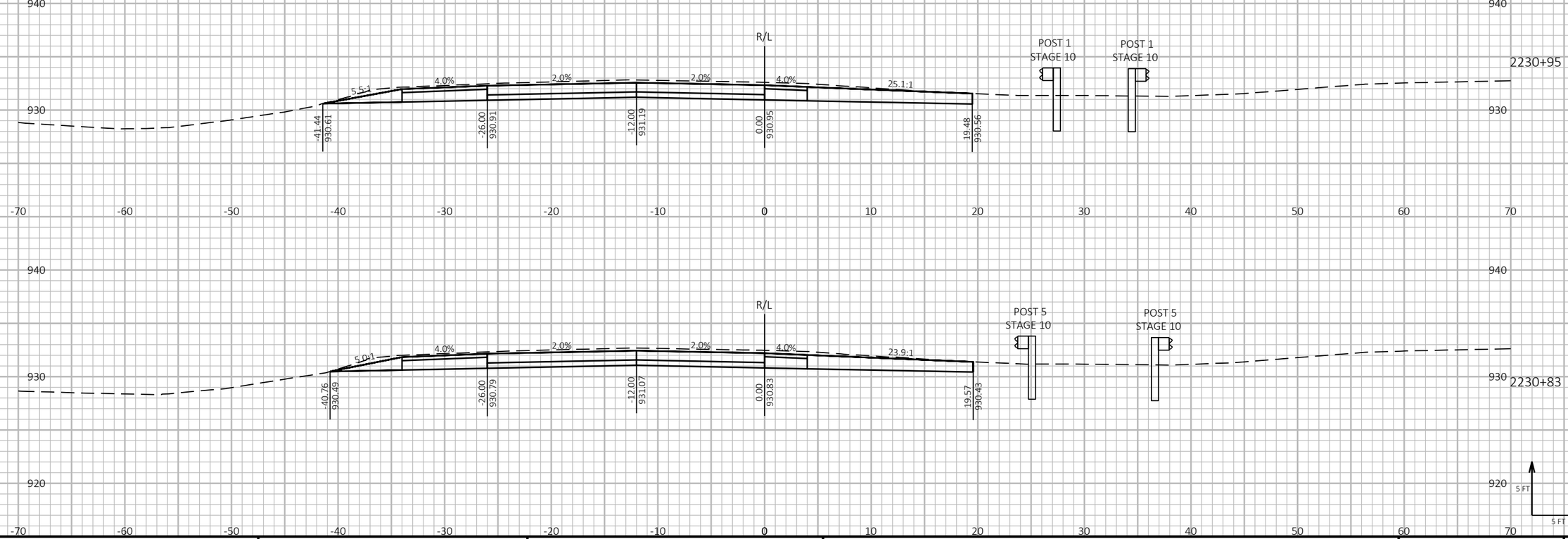
WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT





PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 895	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 17

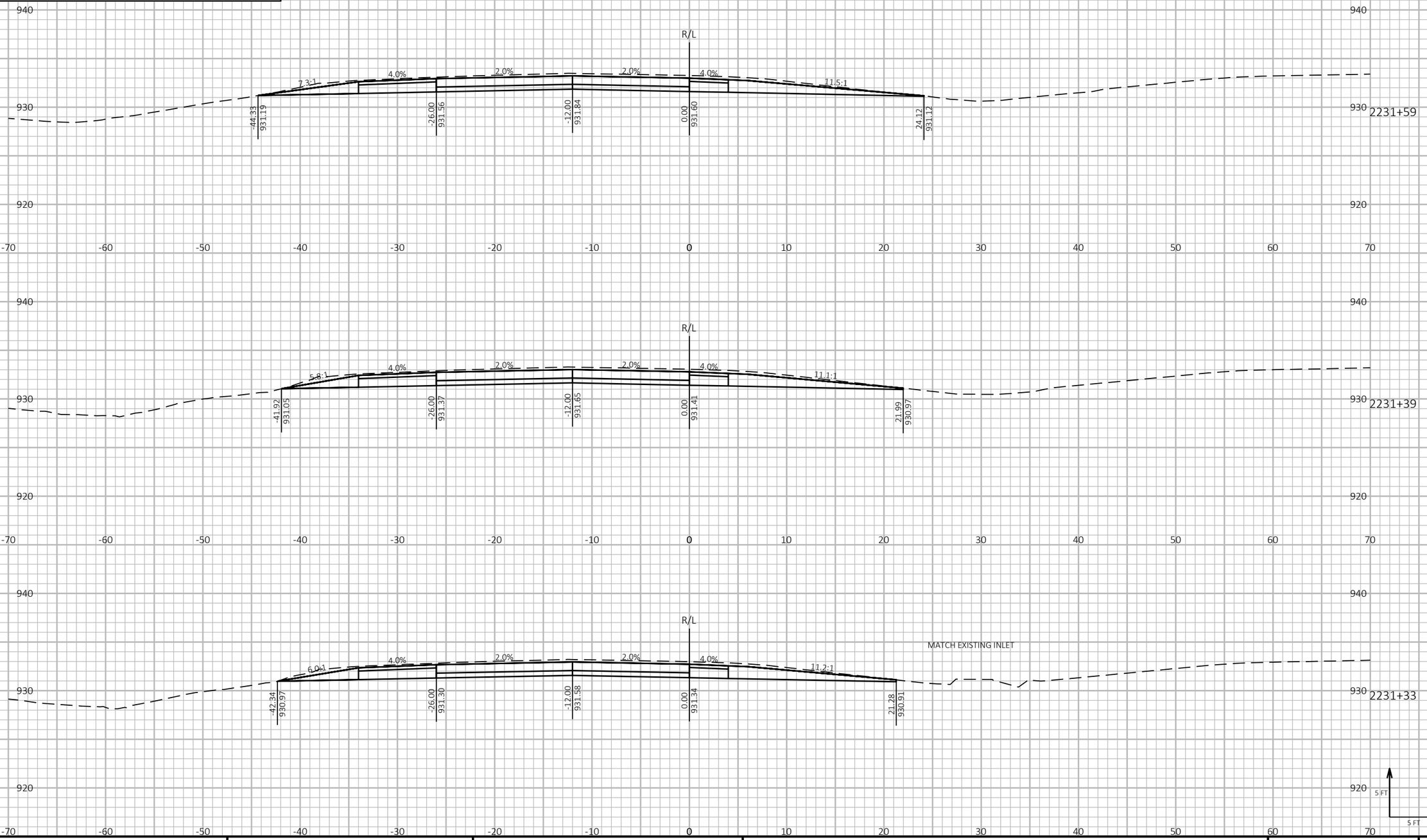
PLOT DATE : 7/26/2023 12:42 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 896	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 18

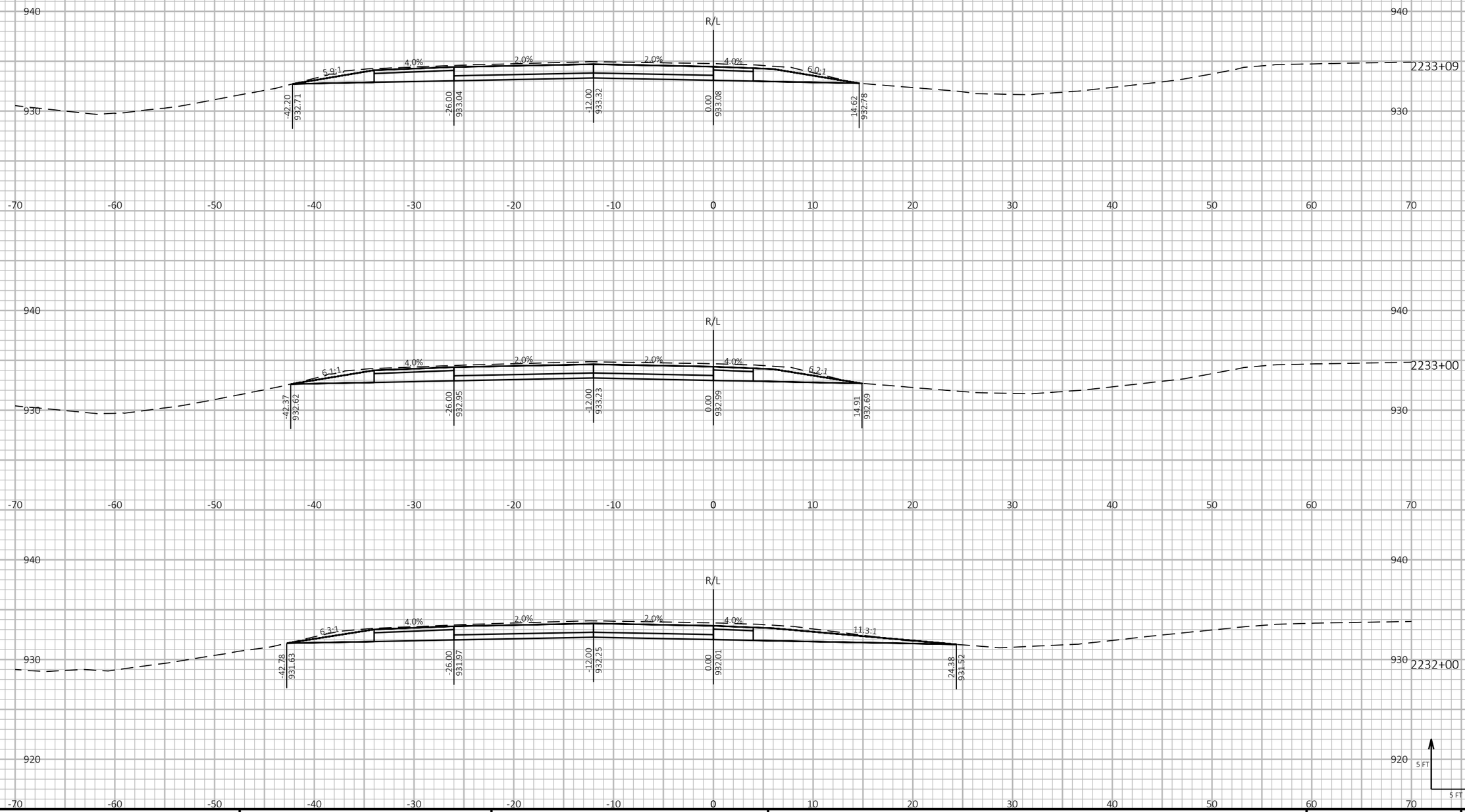
PLOT DATE : 7/26/2023 12:43 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 897	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 19

PLOT DATE : 7/26/2023 12:43 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

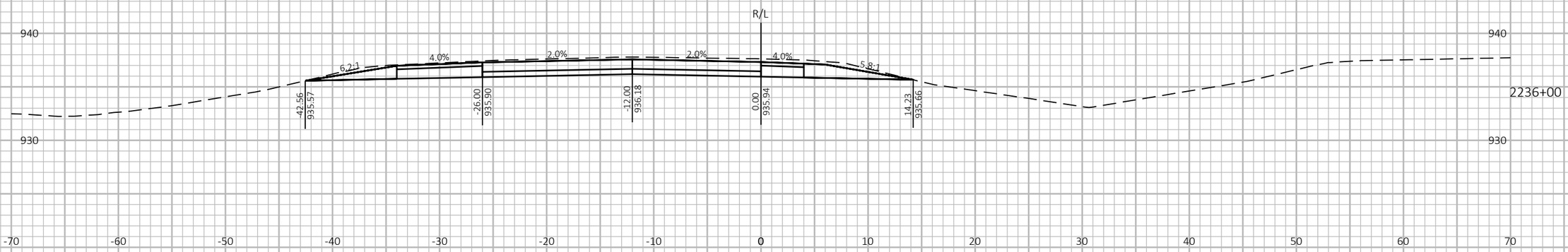
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

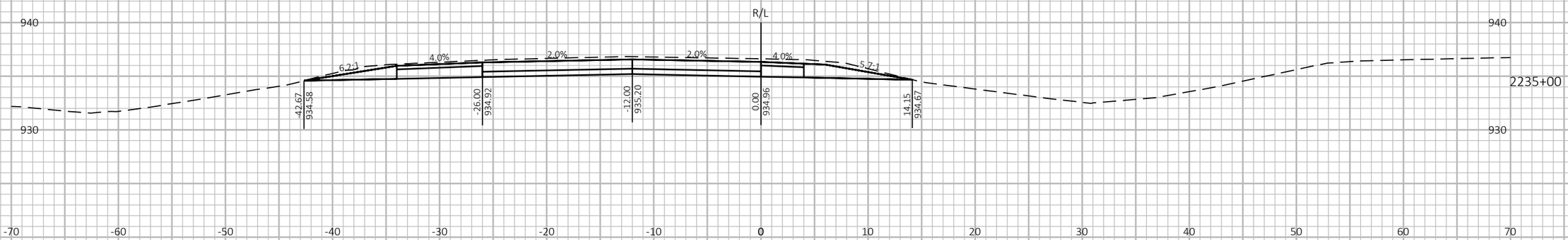
WISDOT/CADDS SHEET 49

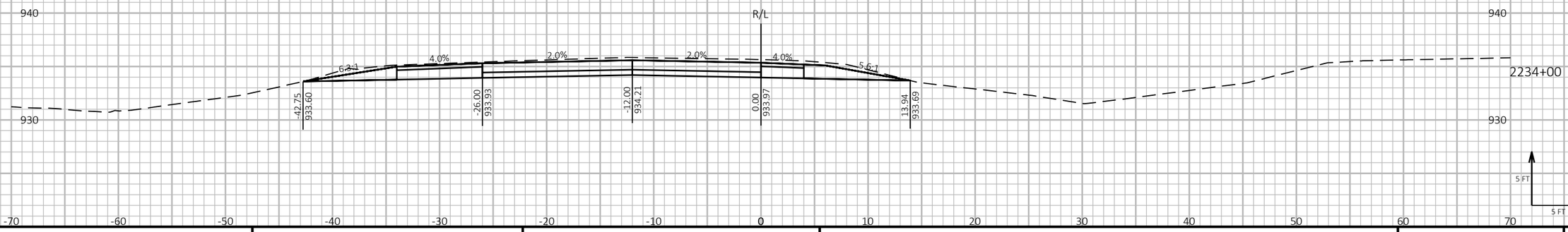
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 898	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 20

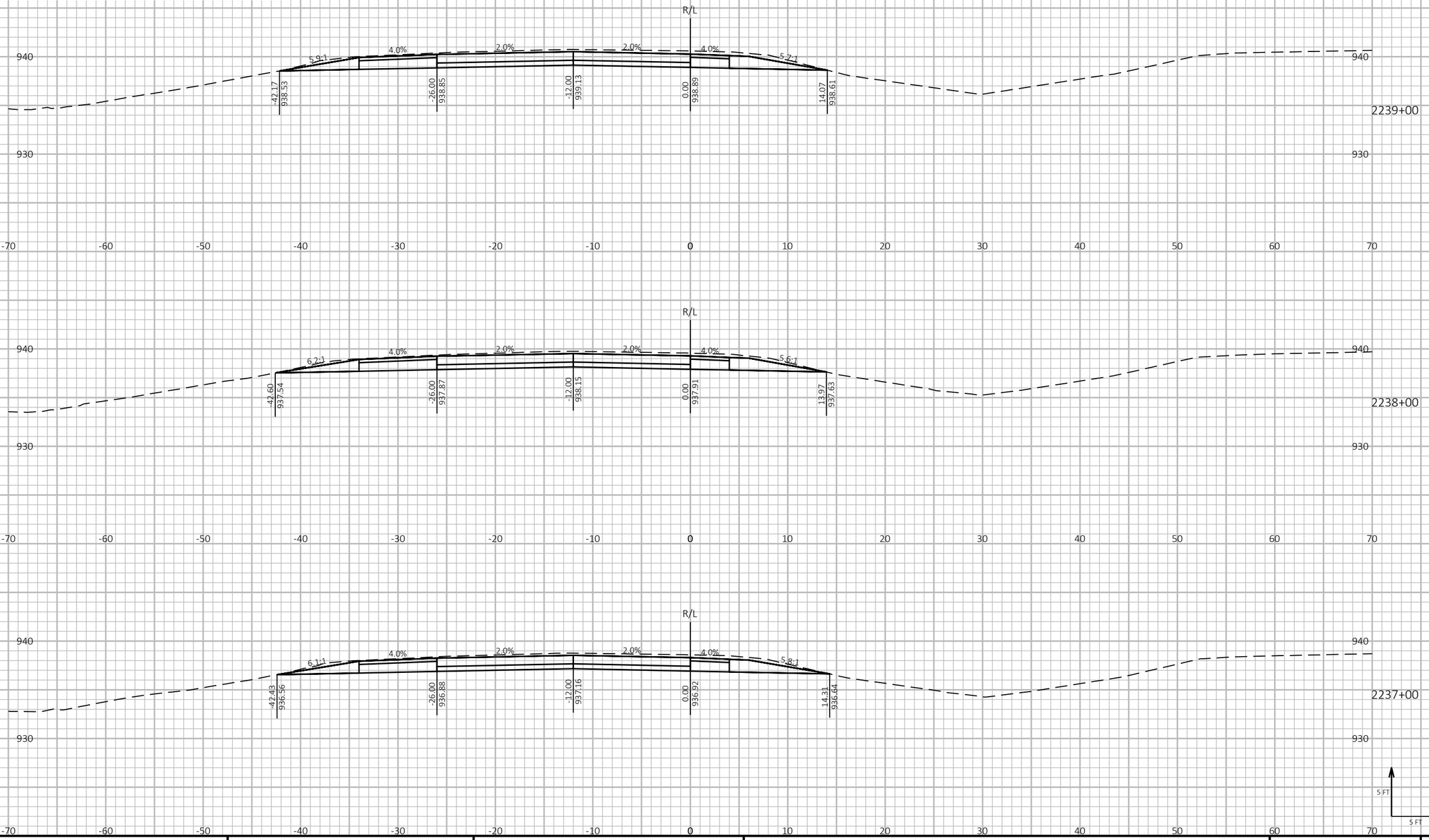
PLOT DATE : 7/26/2023 12:43 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



9

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 899	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 21

PLOT DATE : 7/26/2023 12:43 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

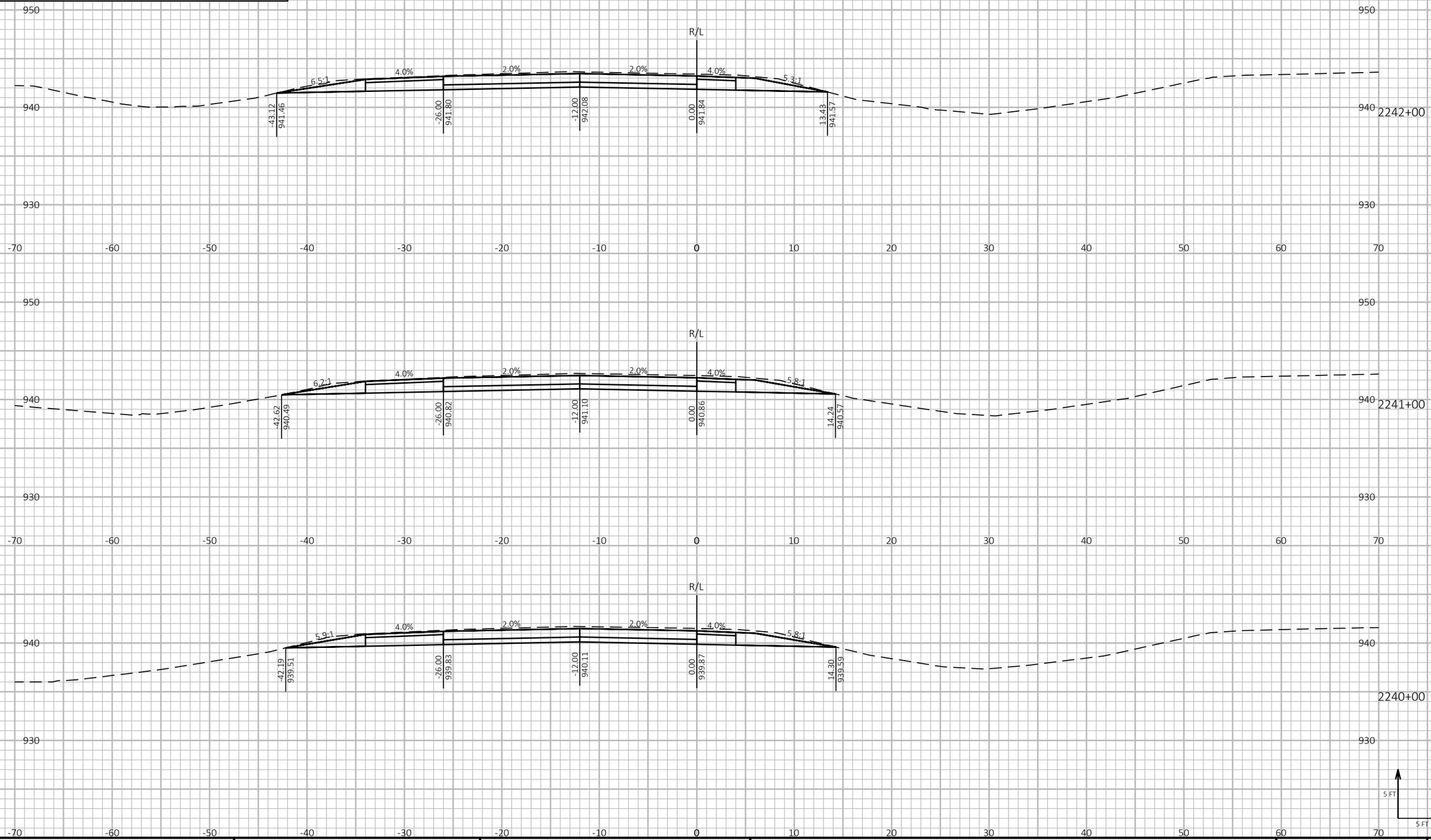
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 900	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 22

PLOT DATE : 7/26/2023 12:43 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

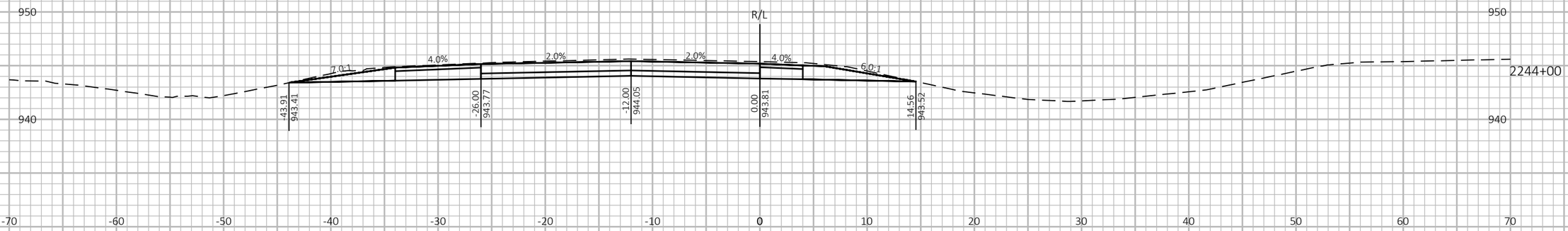
WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 901	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 23

PLOT DATE : 7/26/2023 12:43 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

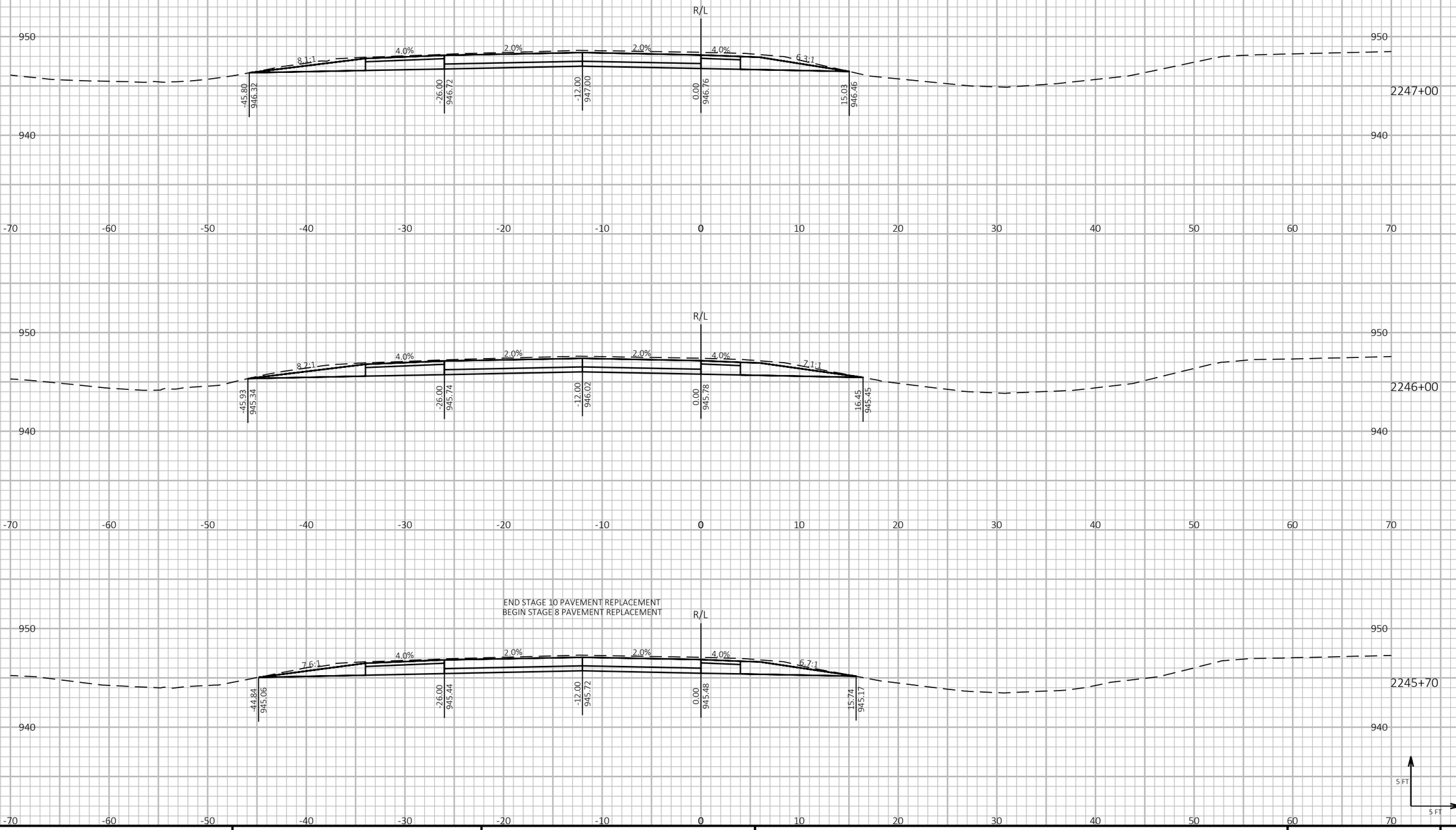
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 902	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 24

PLOT DATE : 7/26/2023 12:44 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

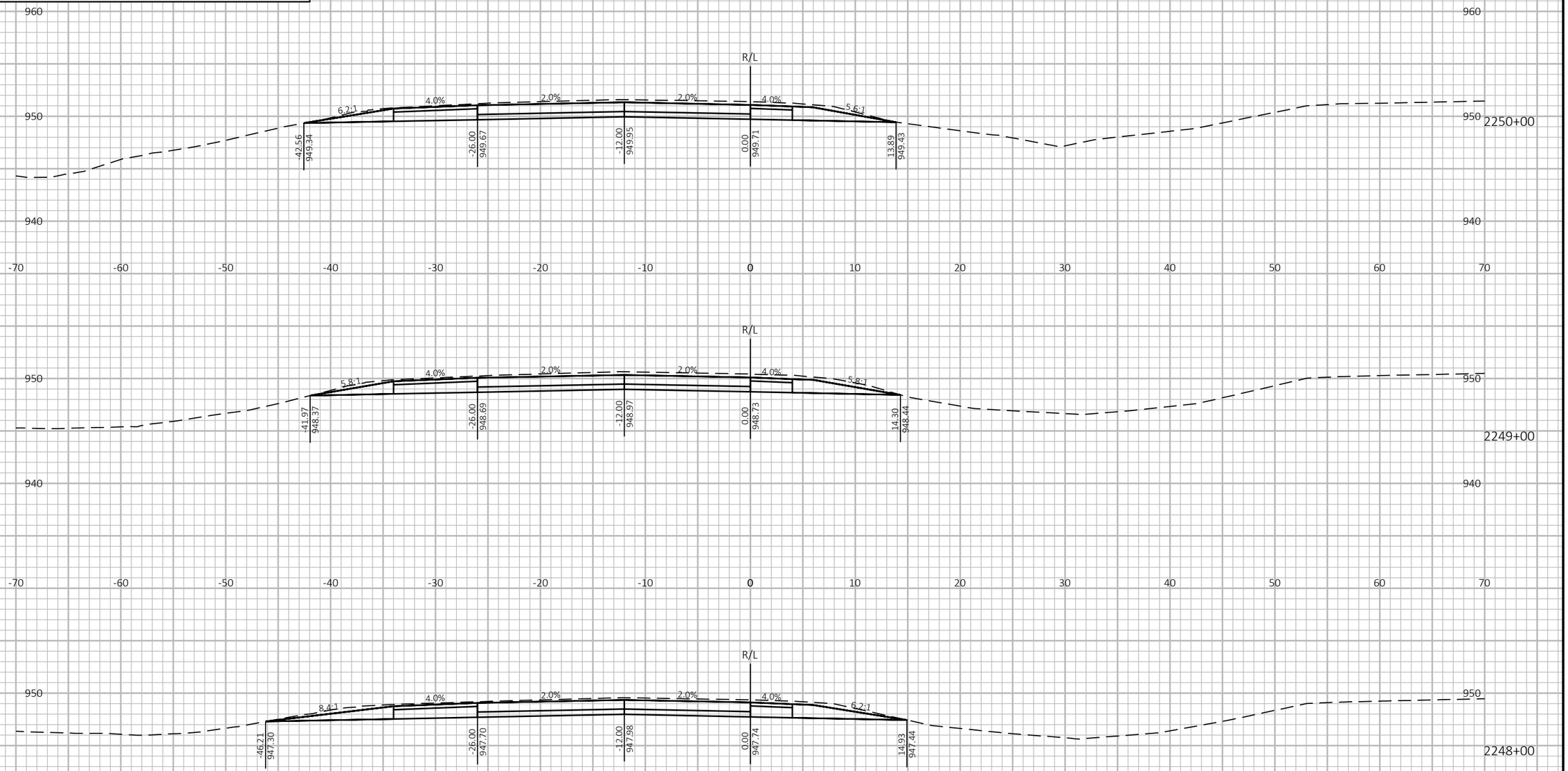
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 903	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 25

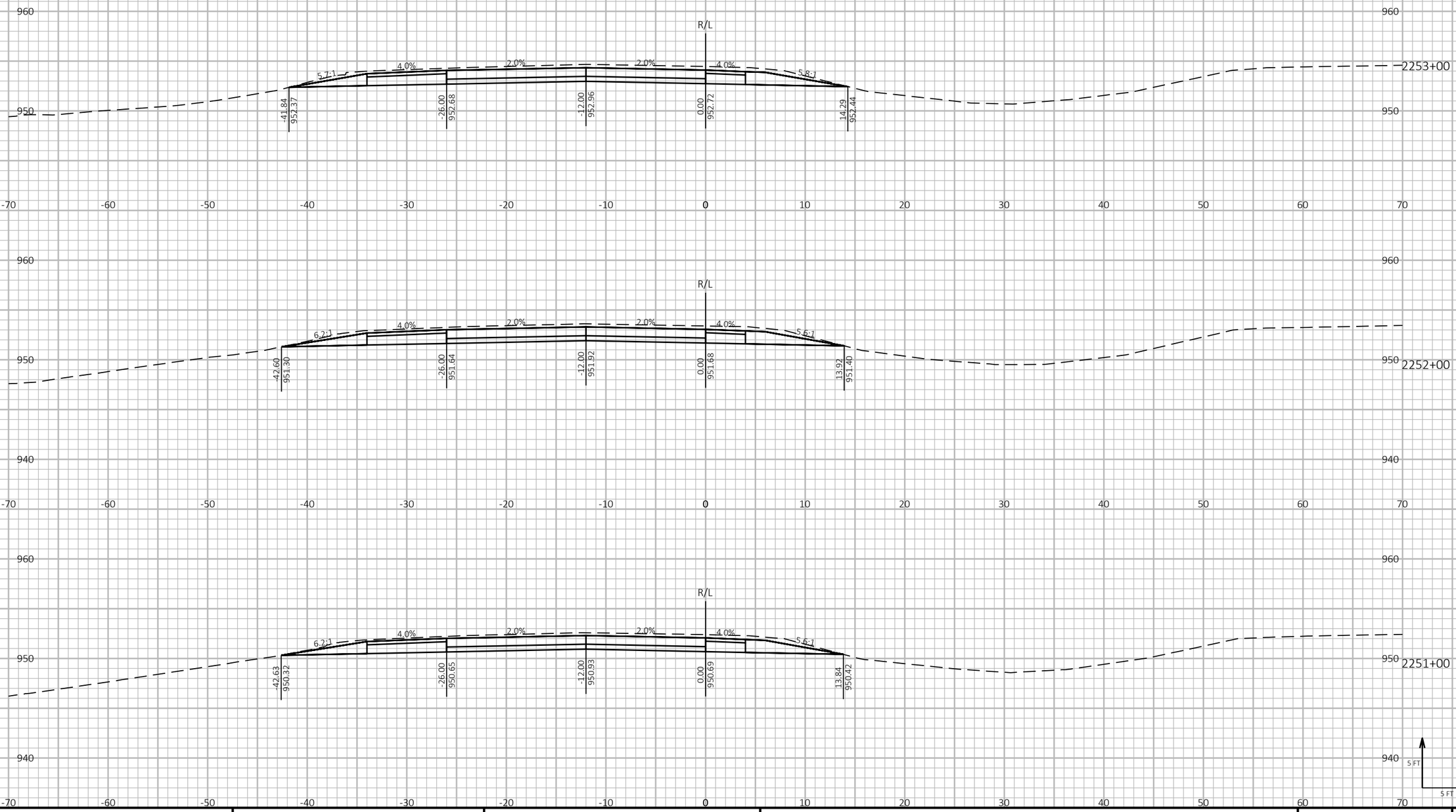
PLOT DATE : 7/26/2023 12:44 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 904 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 26

PLOT DATE : 7/26/2023 12:44 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

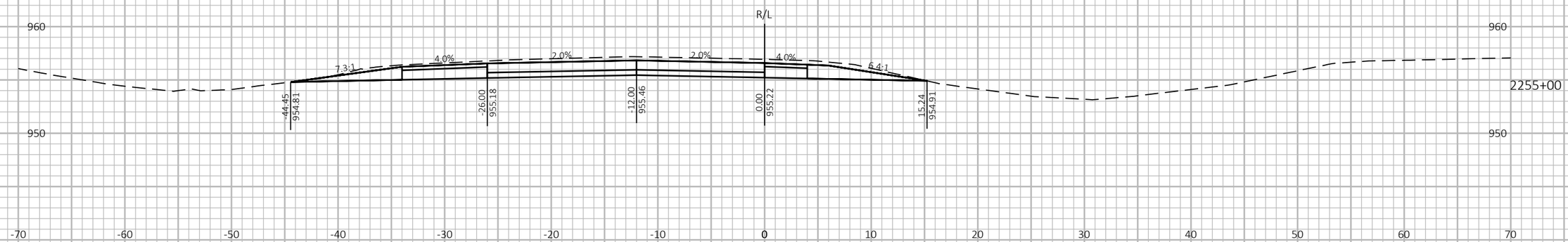
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

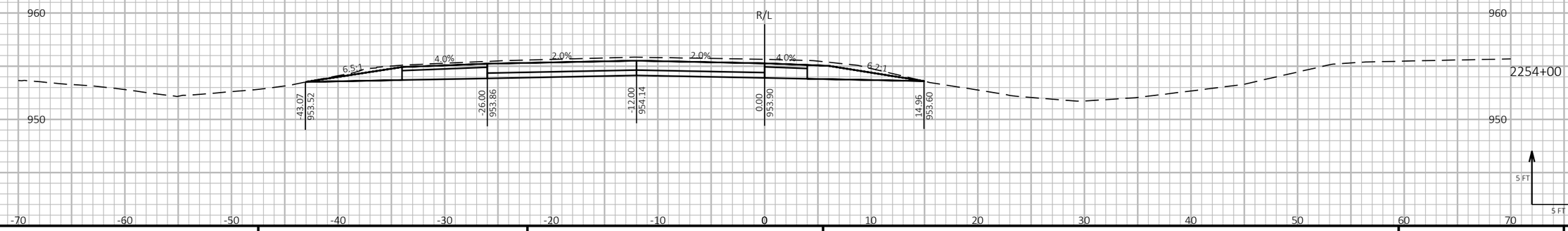
CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



2256+00



2255+00



2254+00

5 FT
5 FT

9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 905	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 27

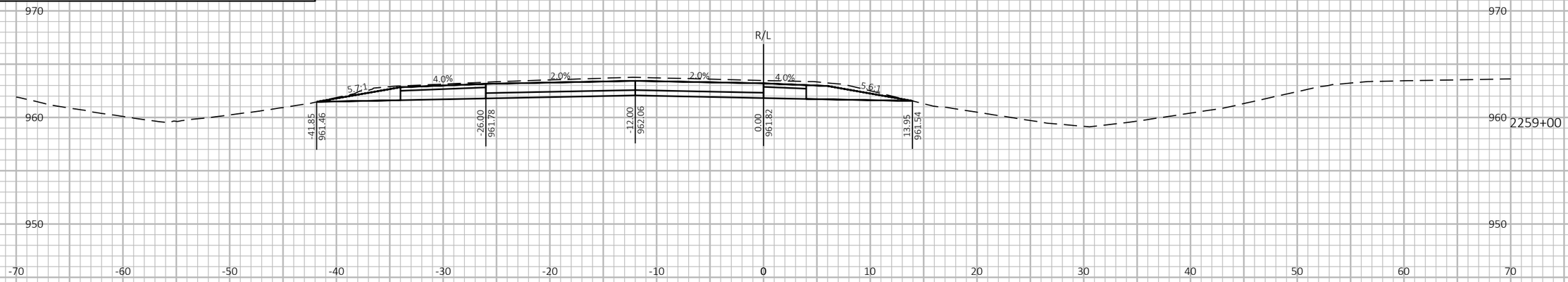
PLOT DATE : 7/26/2023 12:44 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

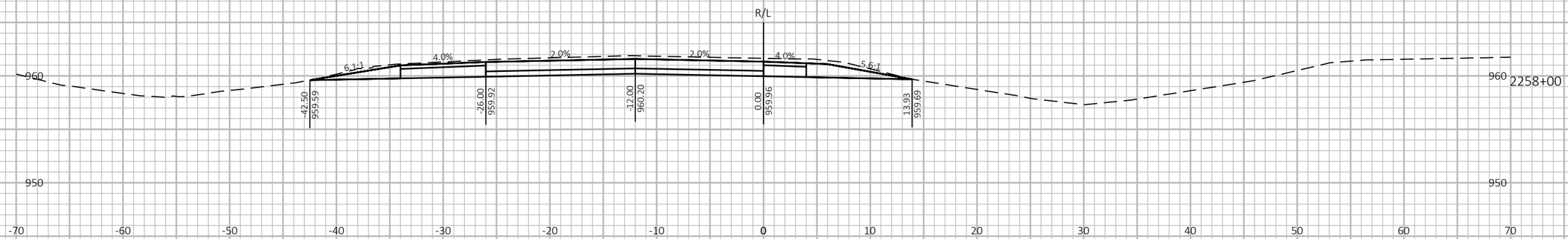
WISDOT/CADDS SHEET 49

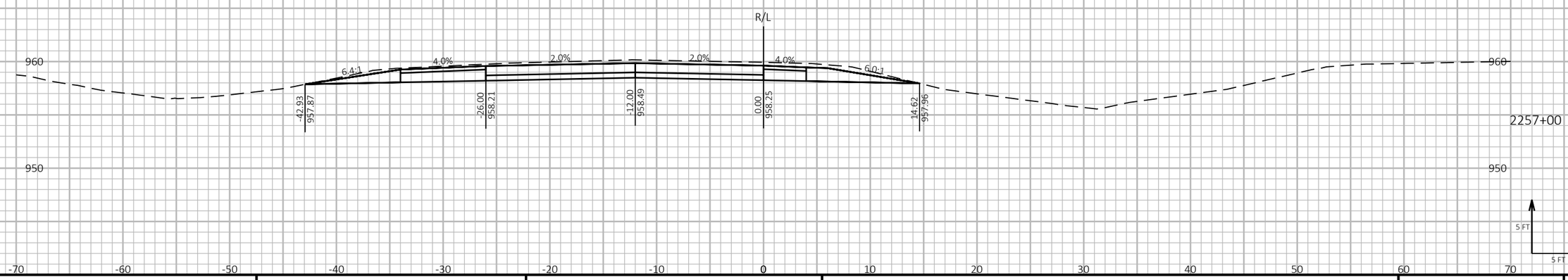
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 906	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 28

PLOT DATE : 7/26/2023 12:44 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

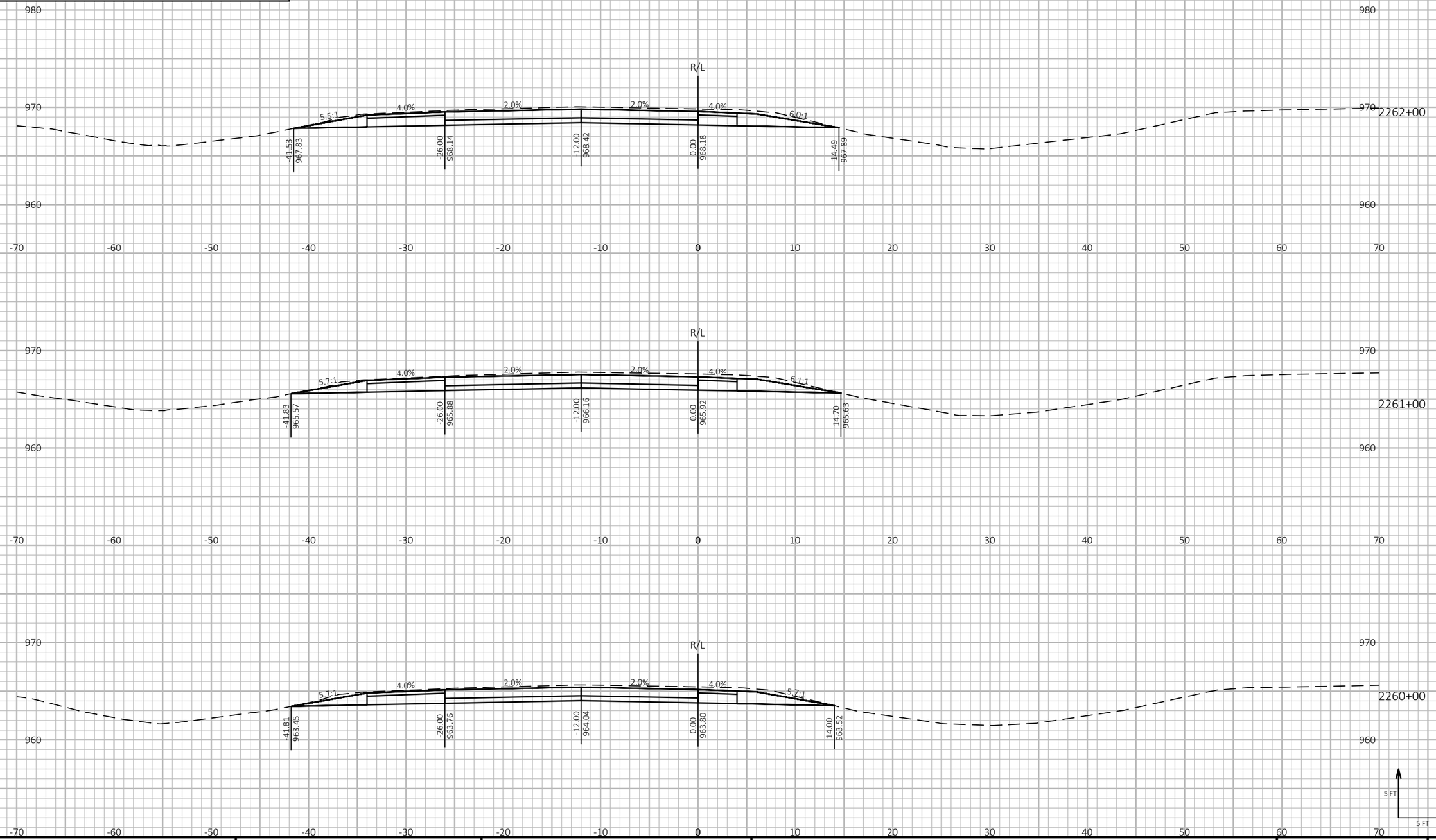
TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)

TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 907	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 29

PLOT DATE : 7/26/2023 12:44 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

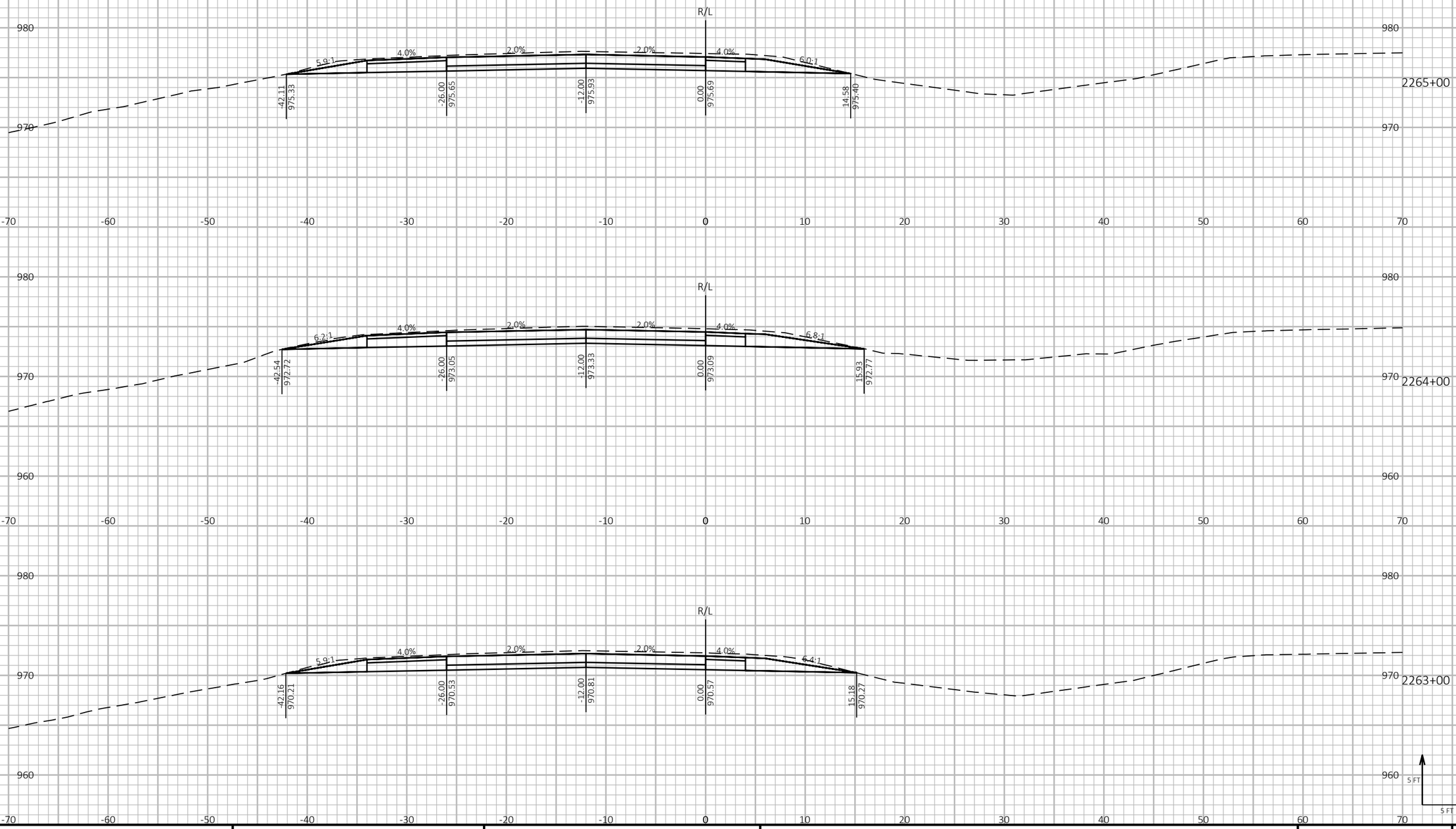
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 908	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 30

PLOT DATE : 7/26/2023 12:45 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

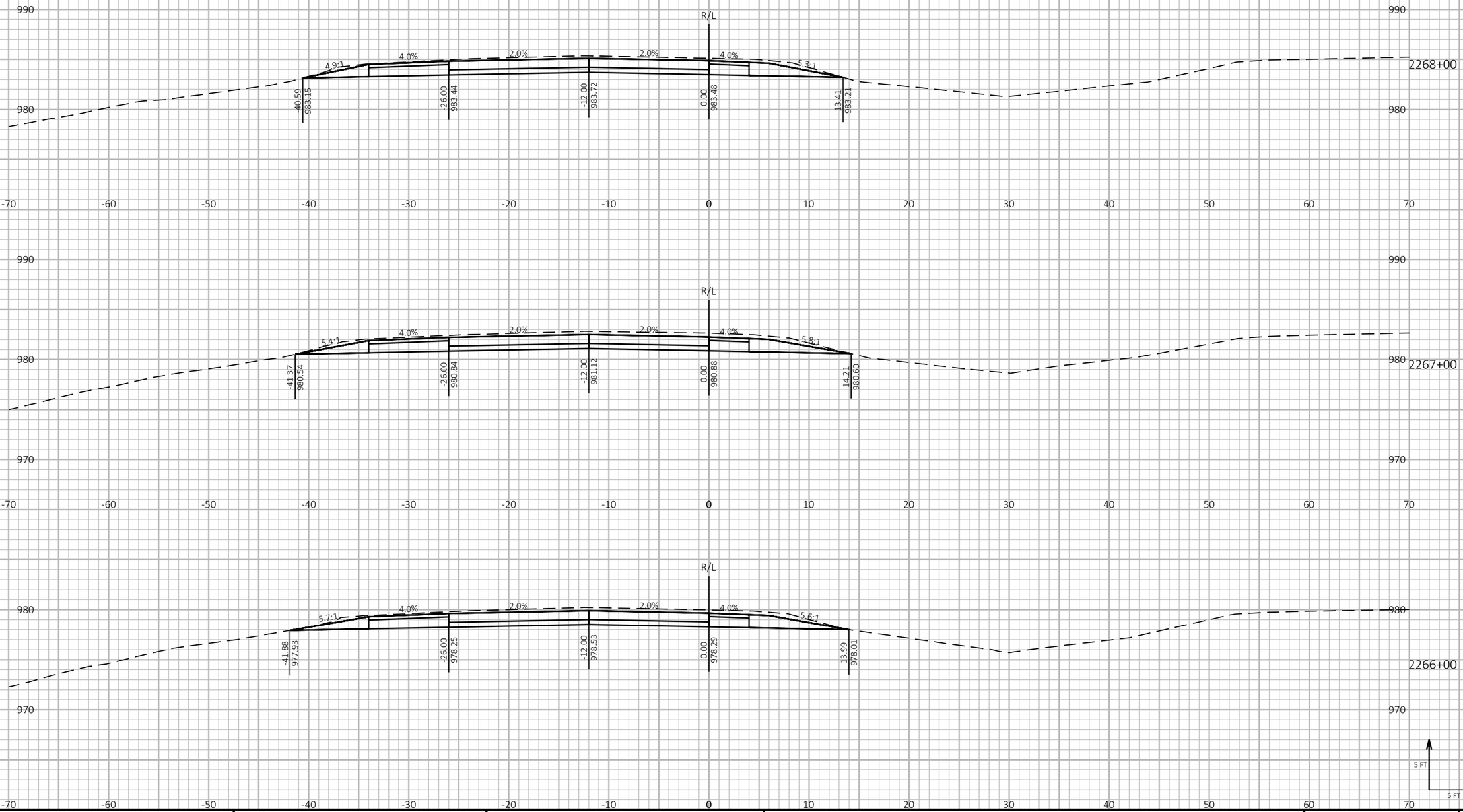
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 909	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 31

PLOT DATE : 7/26/2023 12:45 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

LEGEND

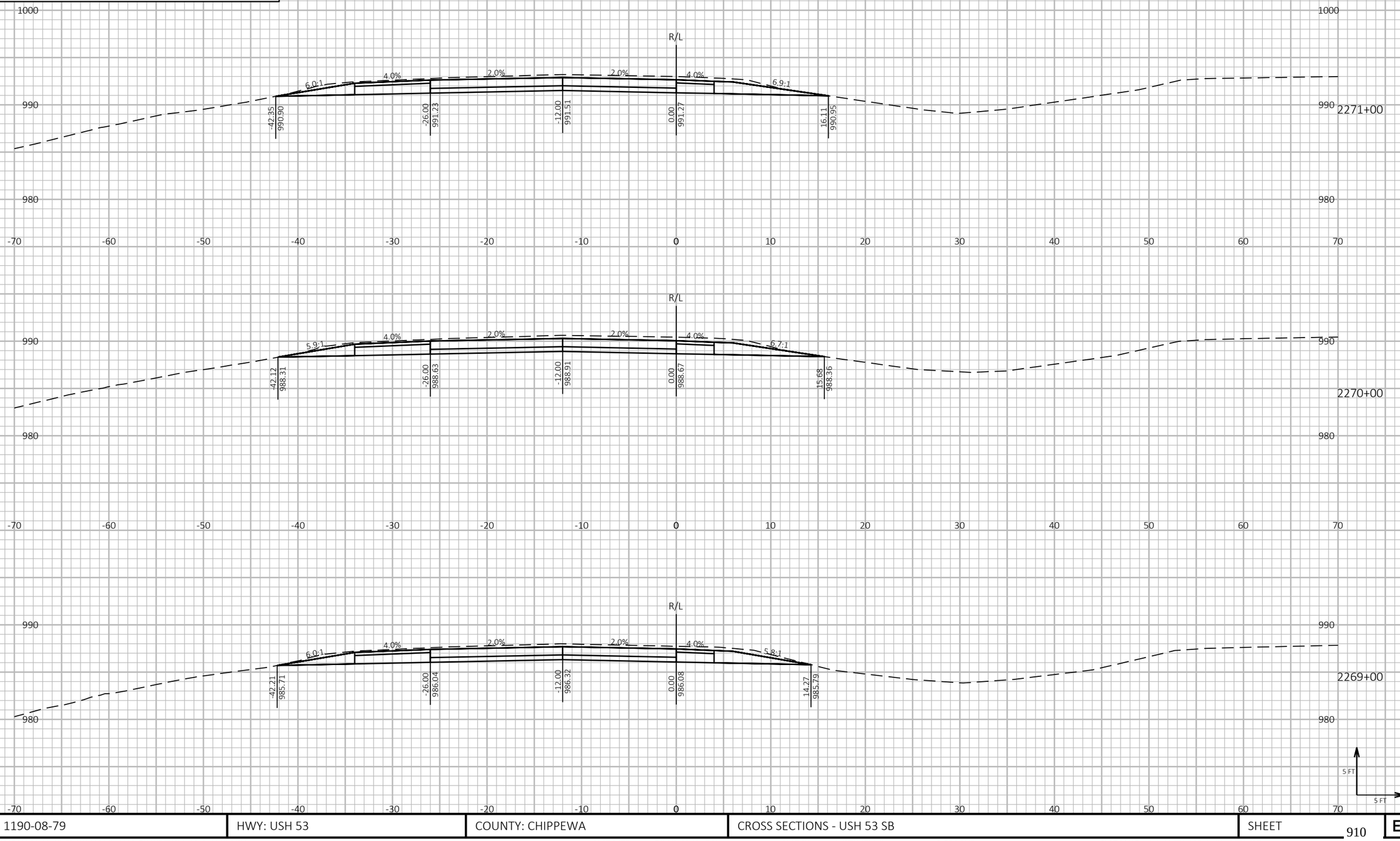
TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)

TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



9

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 910	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 32

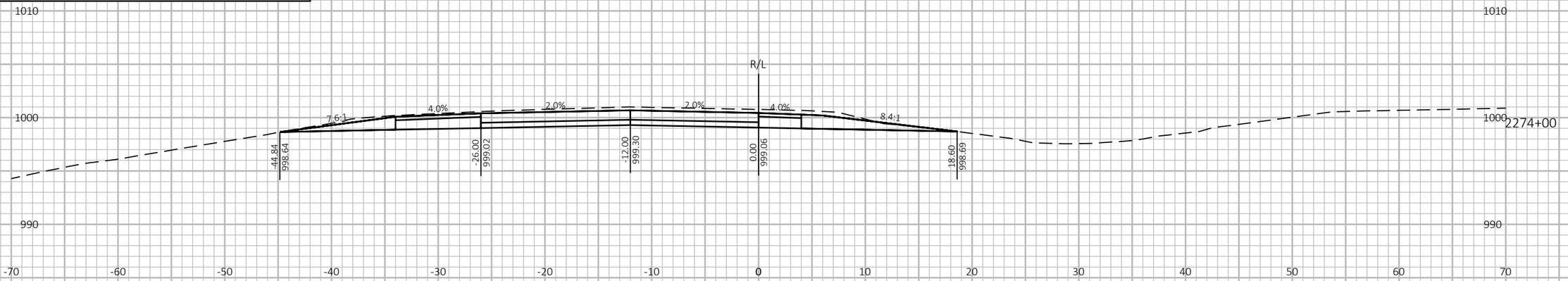
PLOT DATE : 7/26/2023 12:45 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

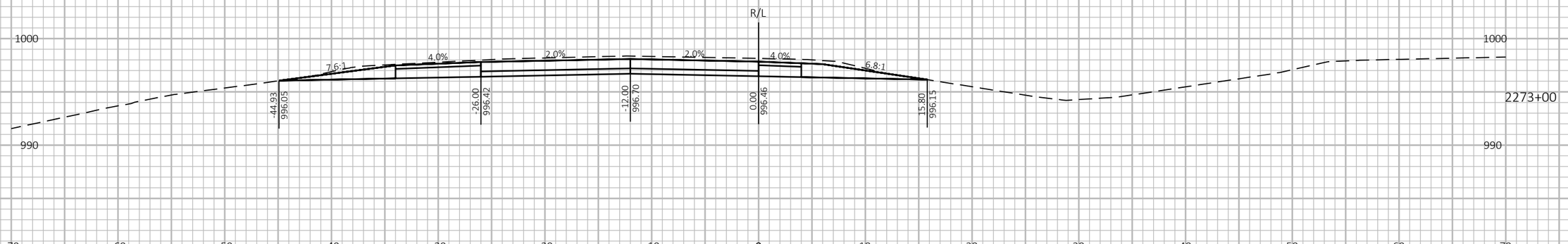
WISDOT/CADDS SHEET 49

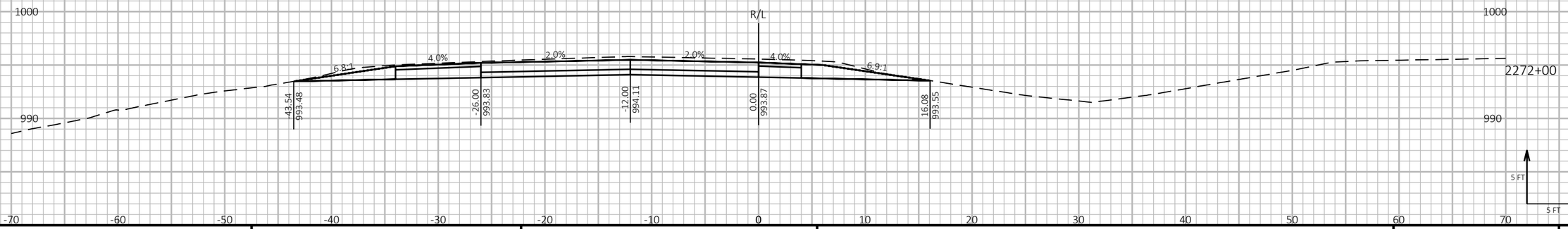
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 911	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 33

PLOT DATE : 7/26/2023 12:45 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

LEGEND

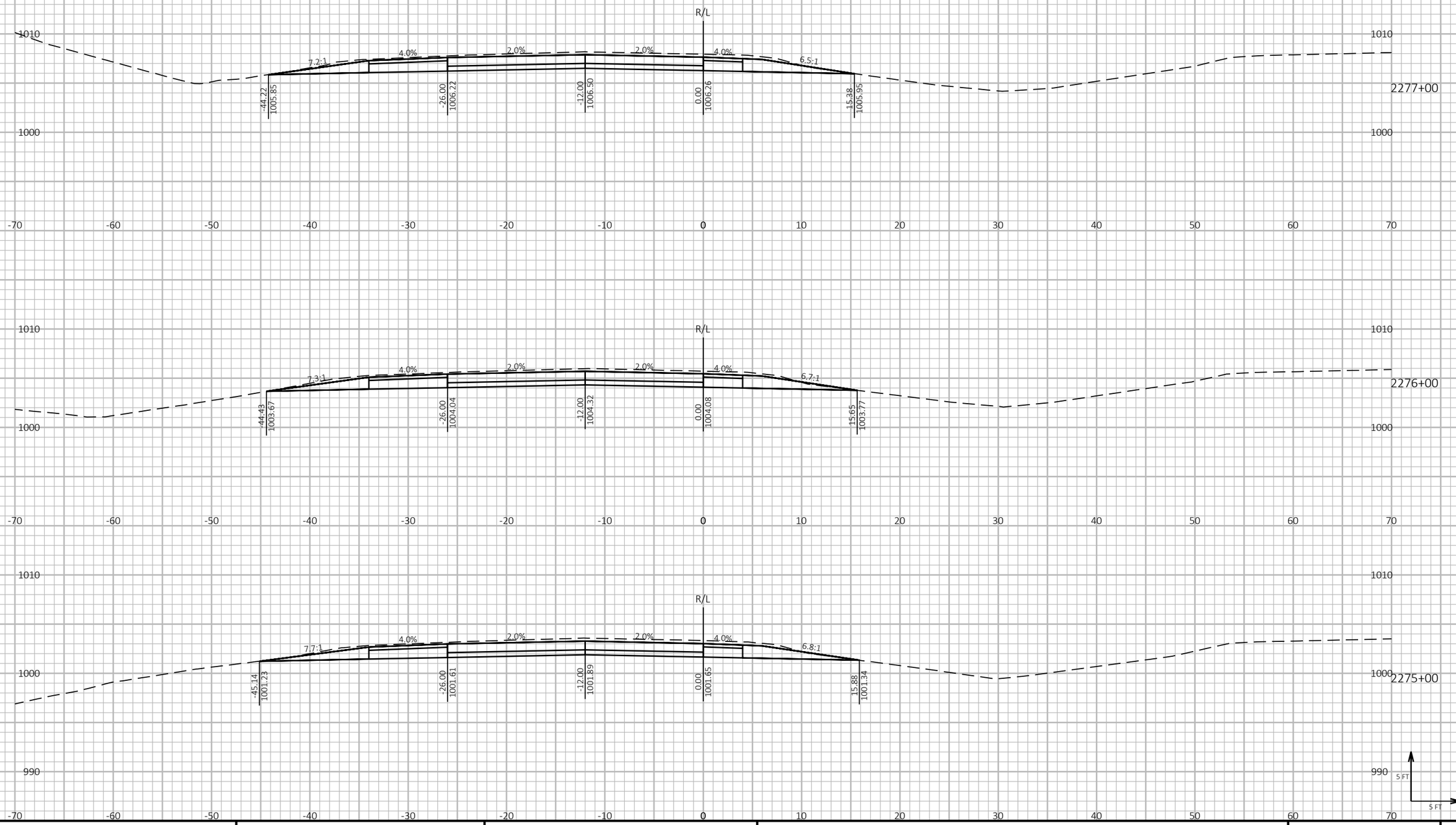
TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)

TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 912	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 34

PLOT DATE : 7/26/2023 12:45 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

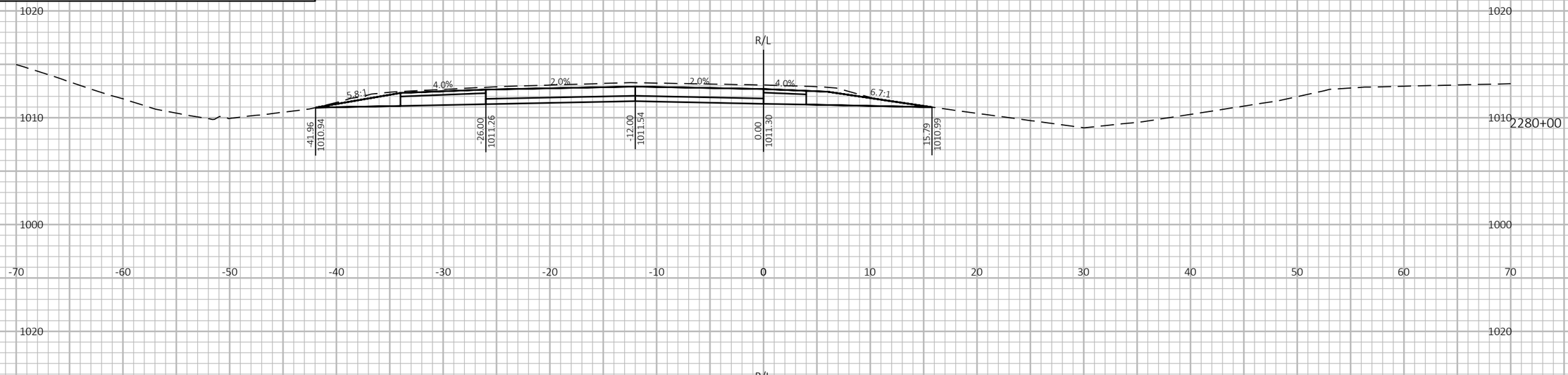
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 913	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 35

PLOT DATE : 7/26/2023 12:45 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

LEGEND

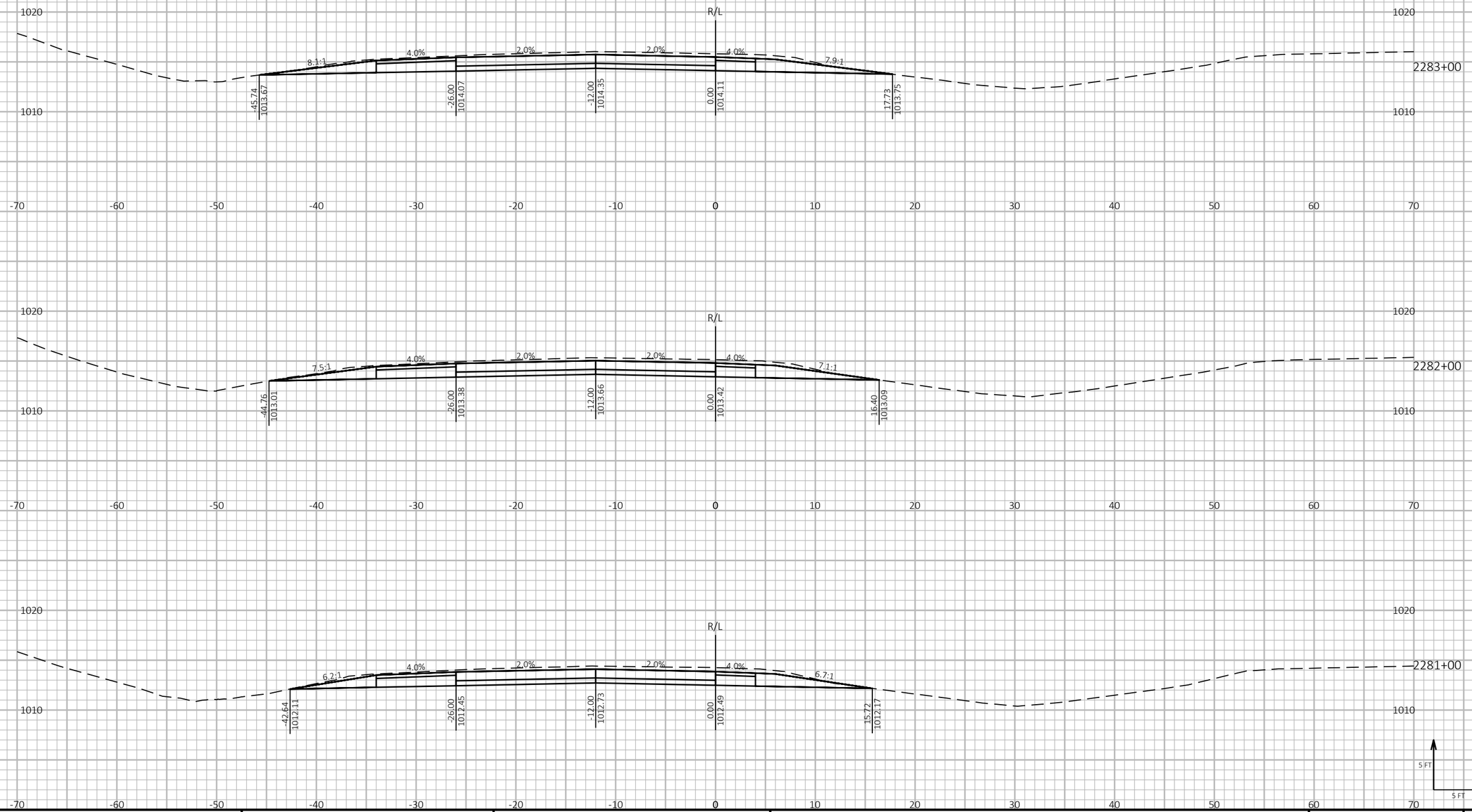
TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)

TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 914	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 36

PLOT DATE : 7/26/2023 12:46 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

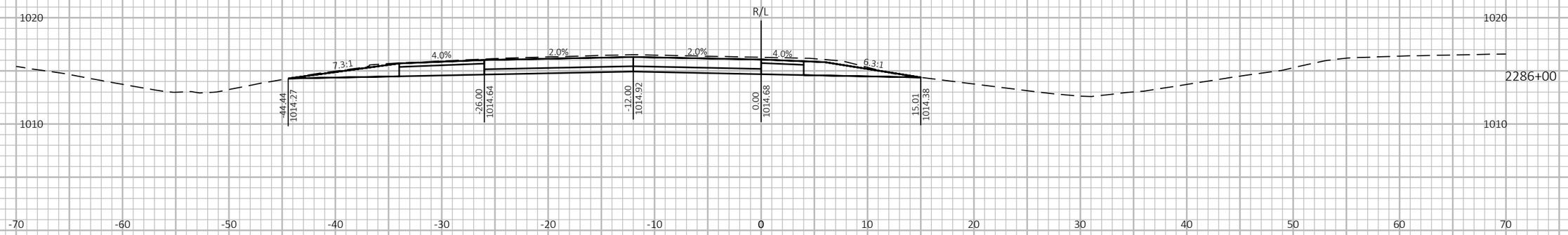
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

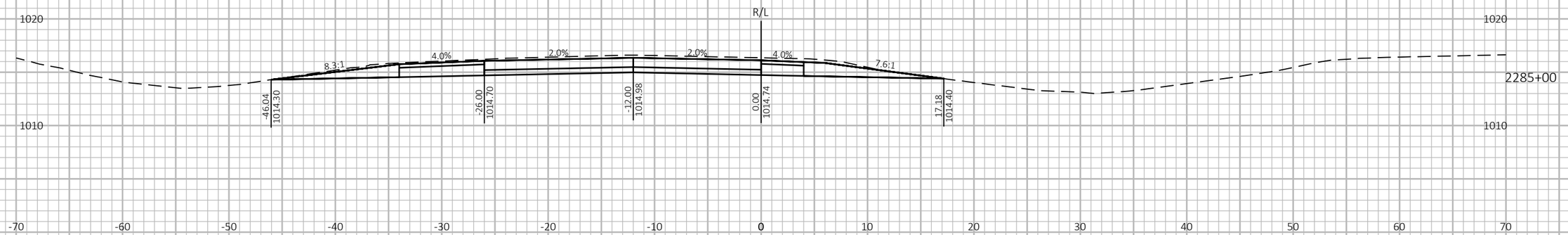
WISDOT/CADDS SHEET 49

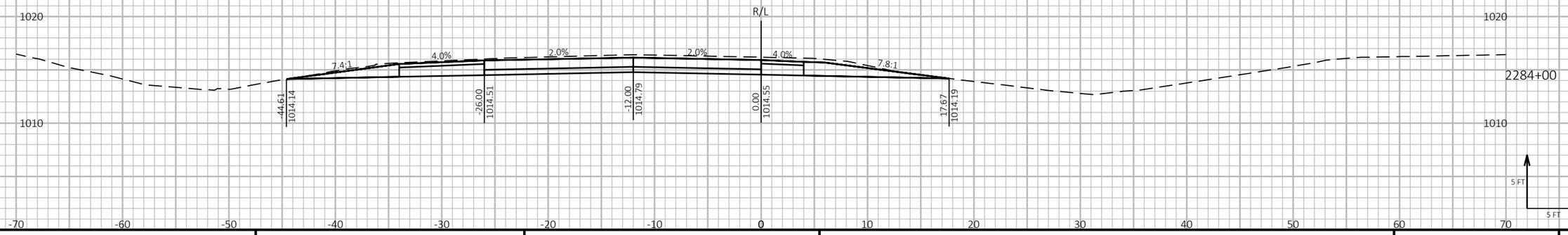
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 915	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 37

PLOT DATE : 7/26/2023 12:46 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







9

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 916	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 38

PLOT DATE : 7/26/2023 12:46 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

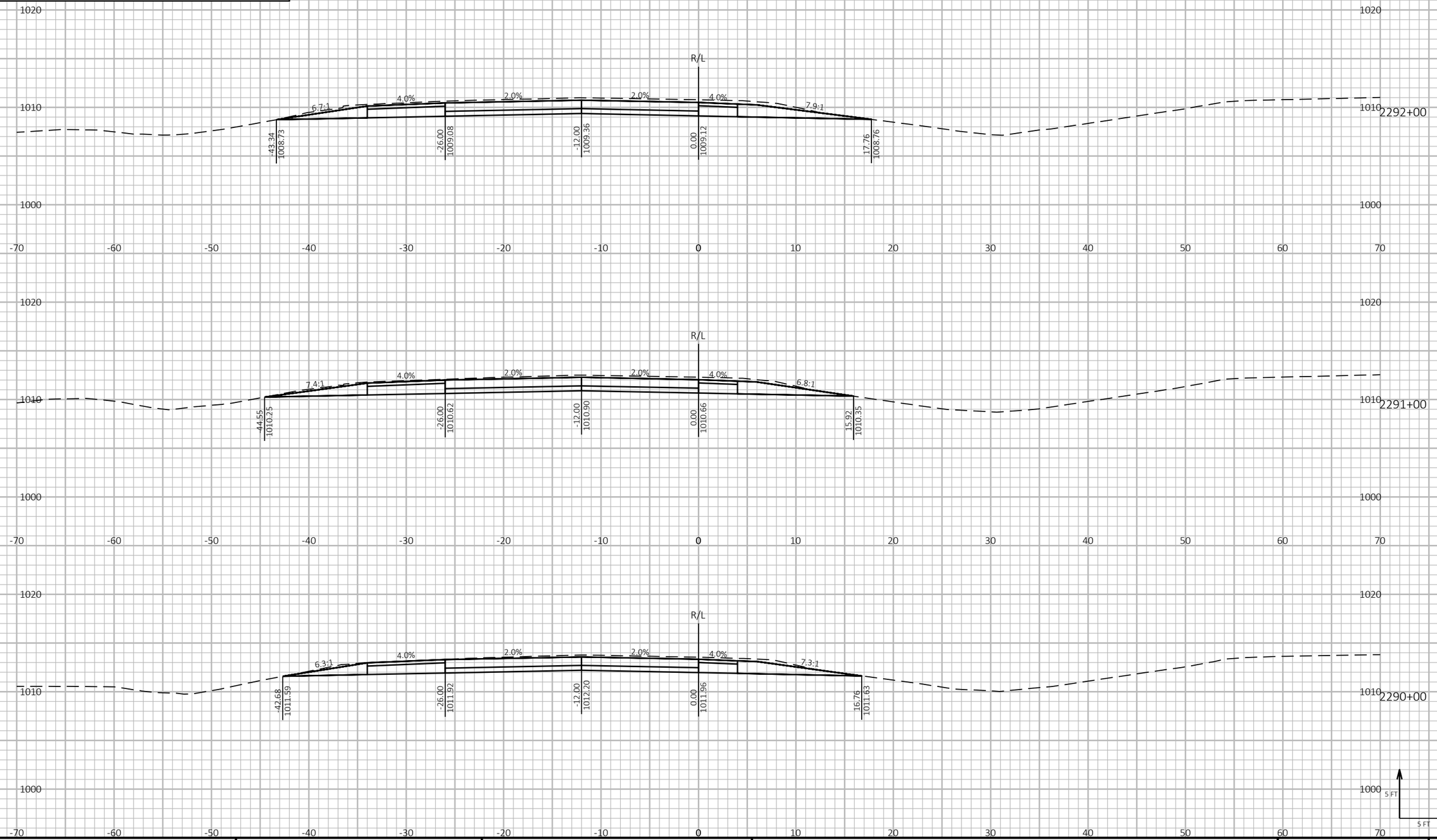
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 917	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 39

PLOT DATE : 7/26/2023 12:46 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

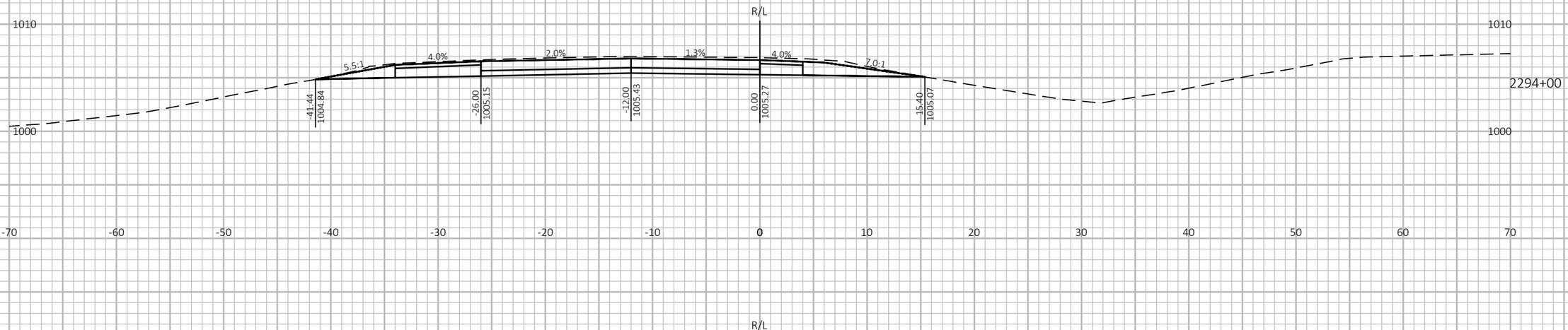
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

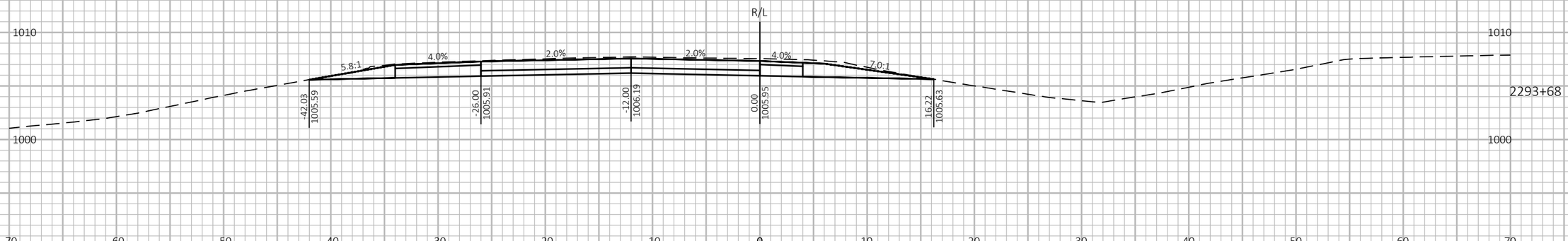
WISDOT/CADDS SHEET 49

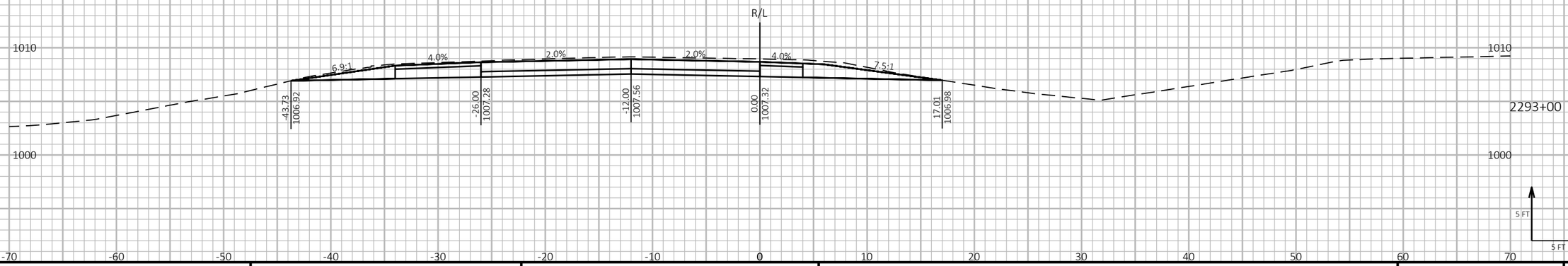
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 918	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 40

PLOT DATE : 7/26/2023 12:46 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

LEGEND

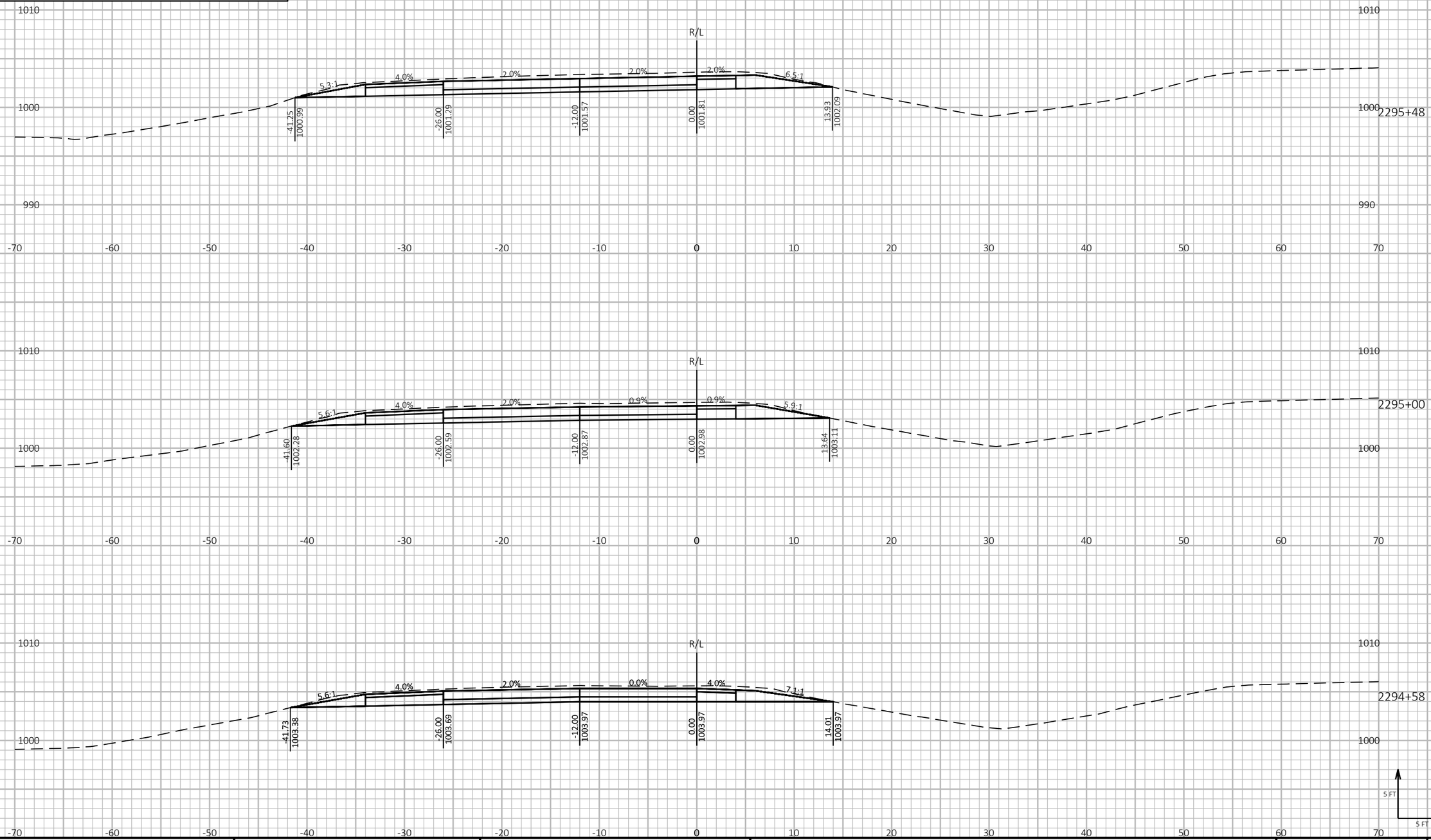
TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)

TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 919	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 41

PLOT DATE : 7/26/2023 12:46 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

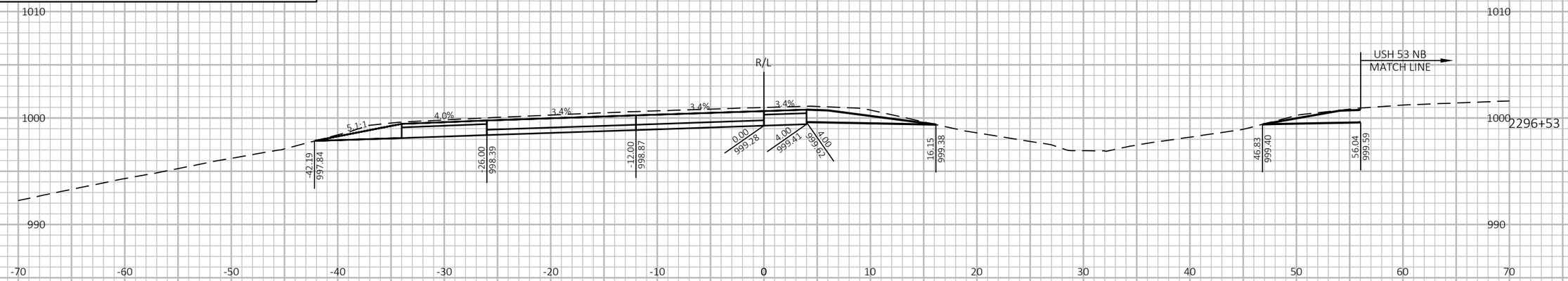
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

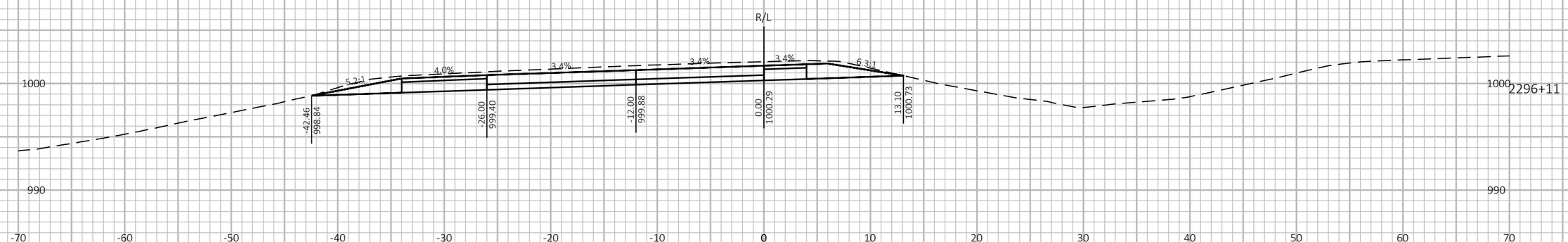
WISDOT/CADDS SHEET 49

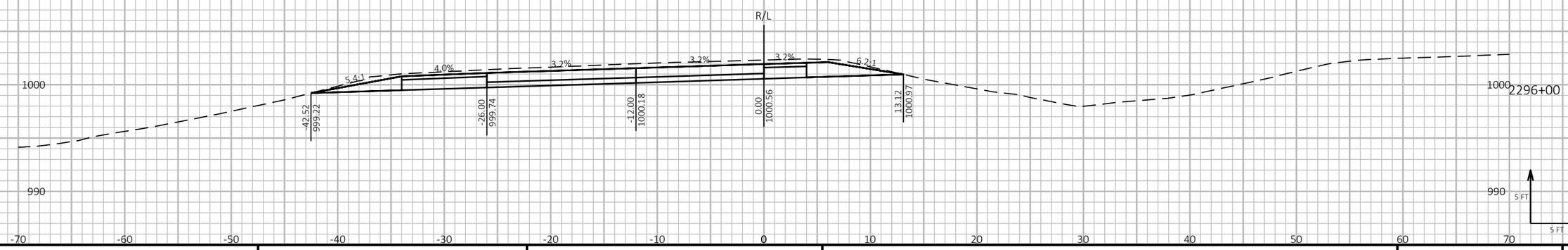
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 920	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 42

PLOT DATE : 7/26/2023 12:47 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

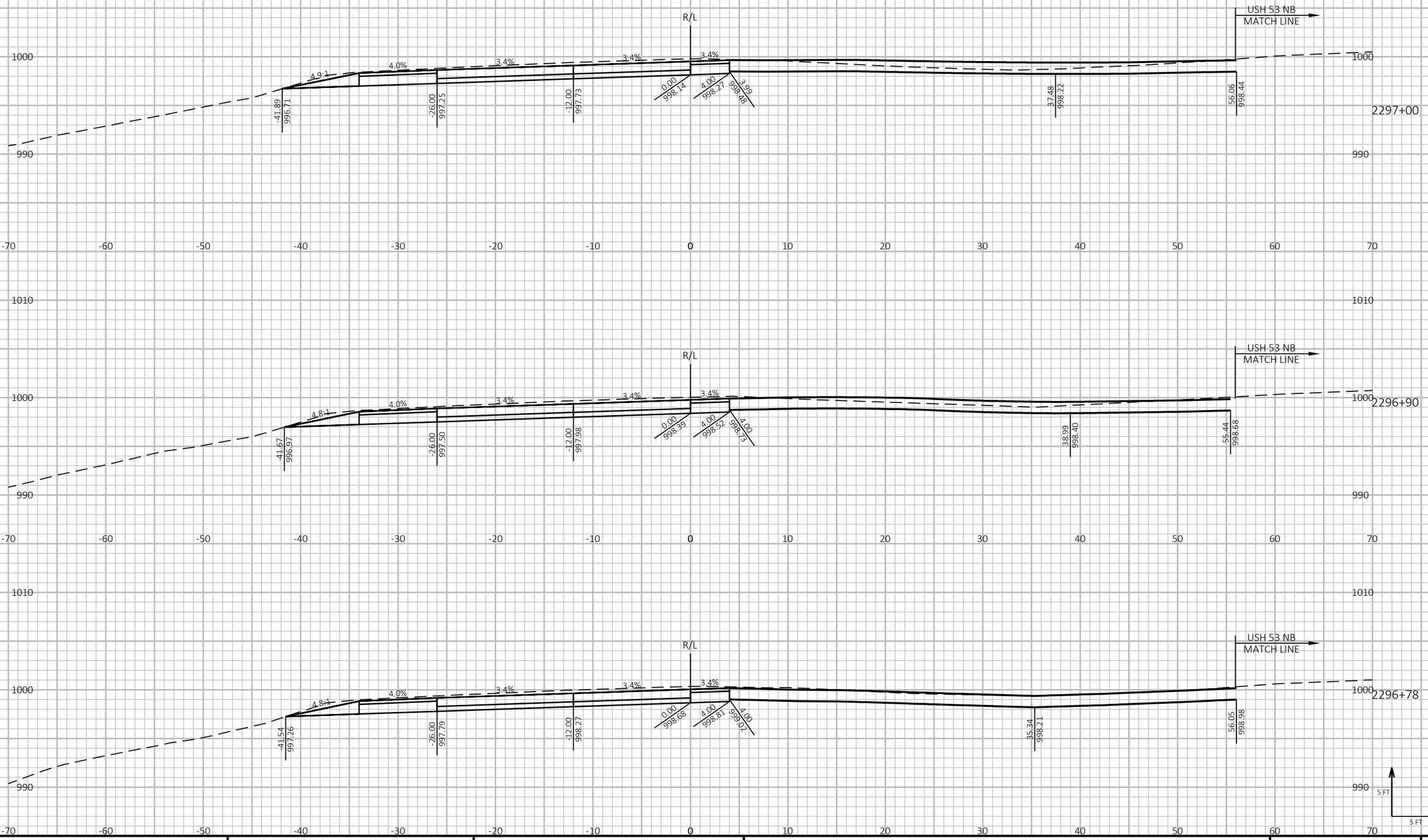
TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)

TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 921	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 43

PLOT DATE : 7/26/2023 12:47 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

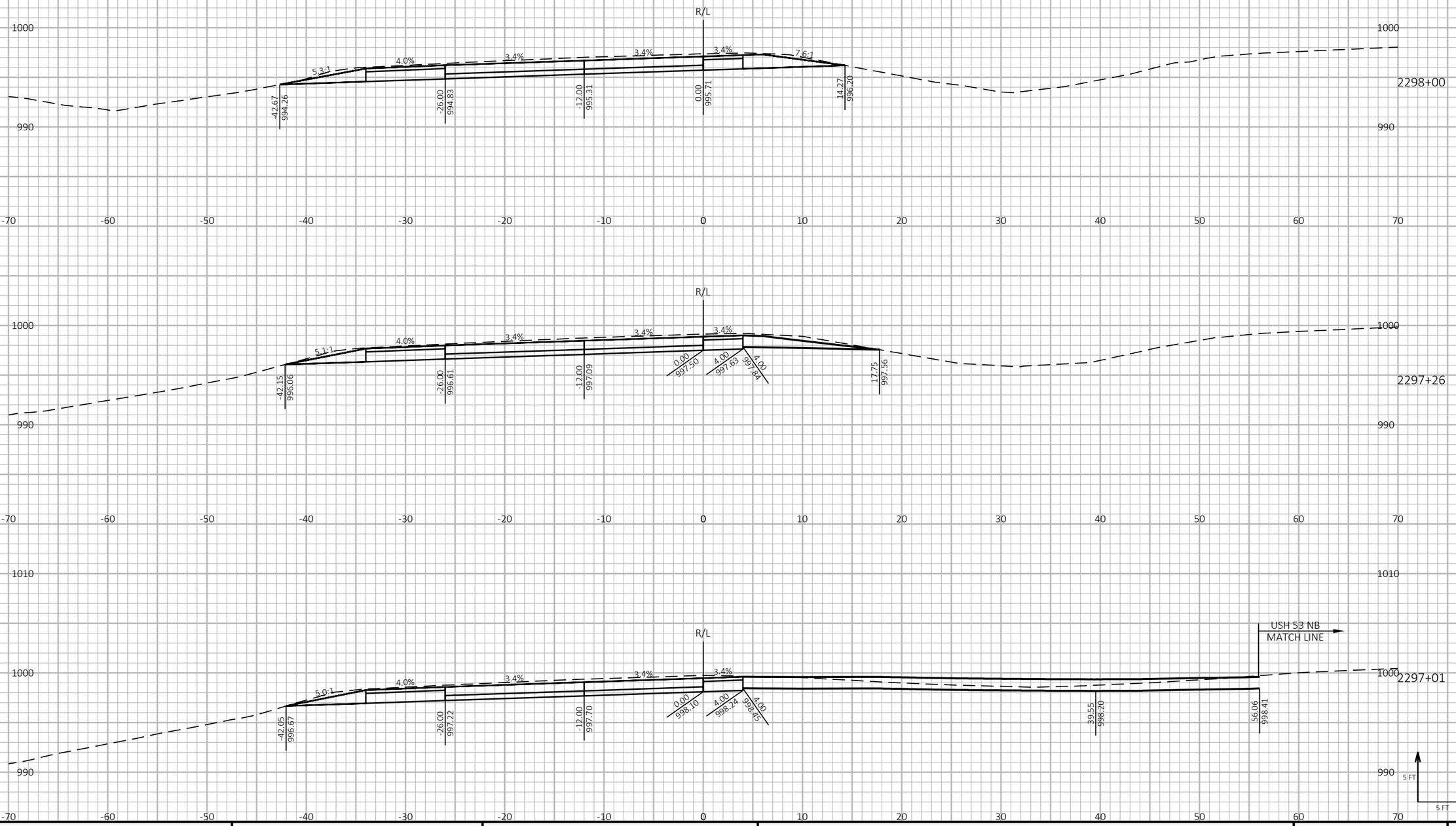
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 922	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090209-XS.DWG
LAYOUT NAME - 44

PLOT DATE : 7/26/2023 12:47 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

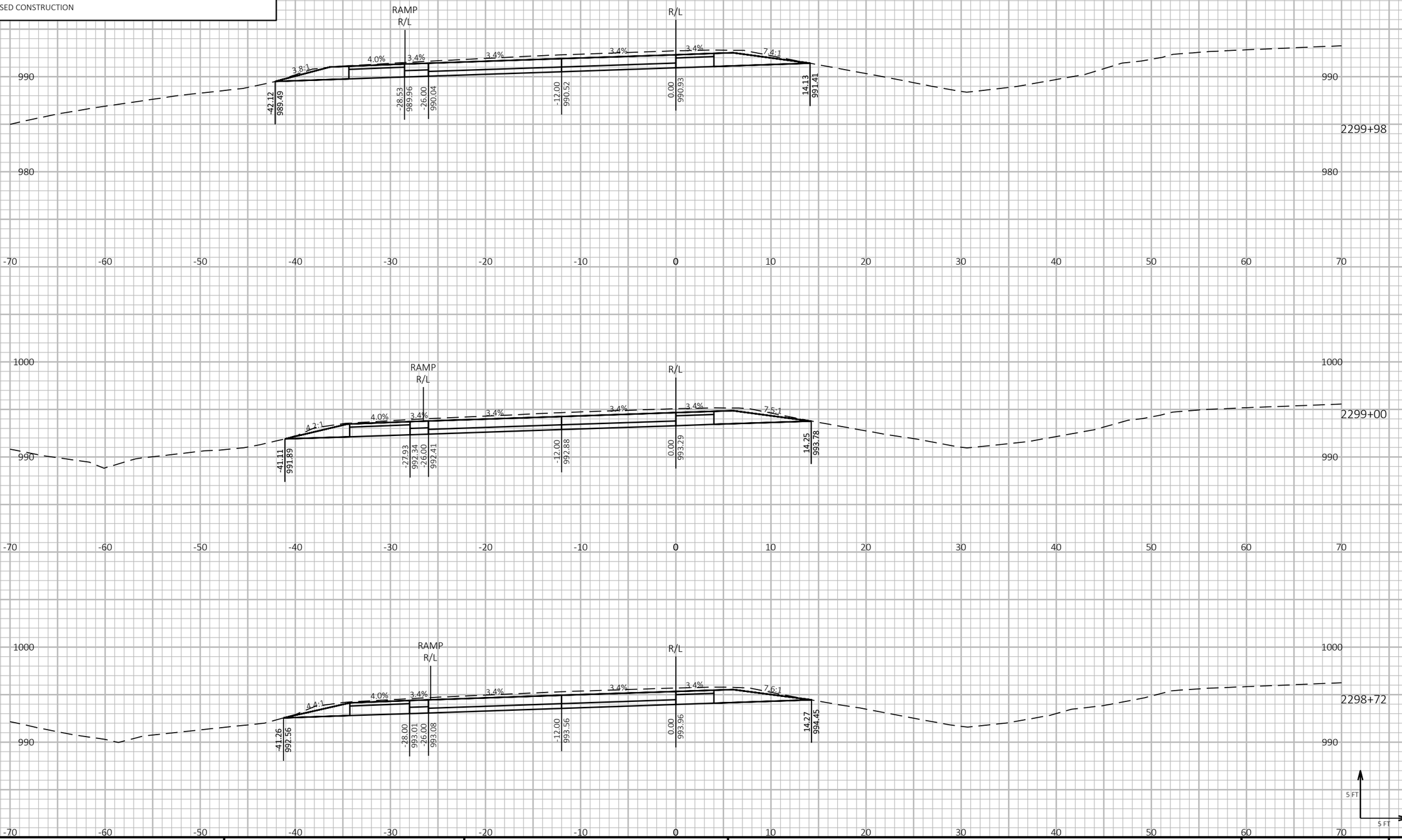
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 923	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090210-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 1:01 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

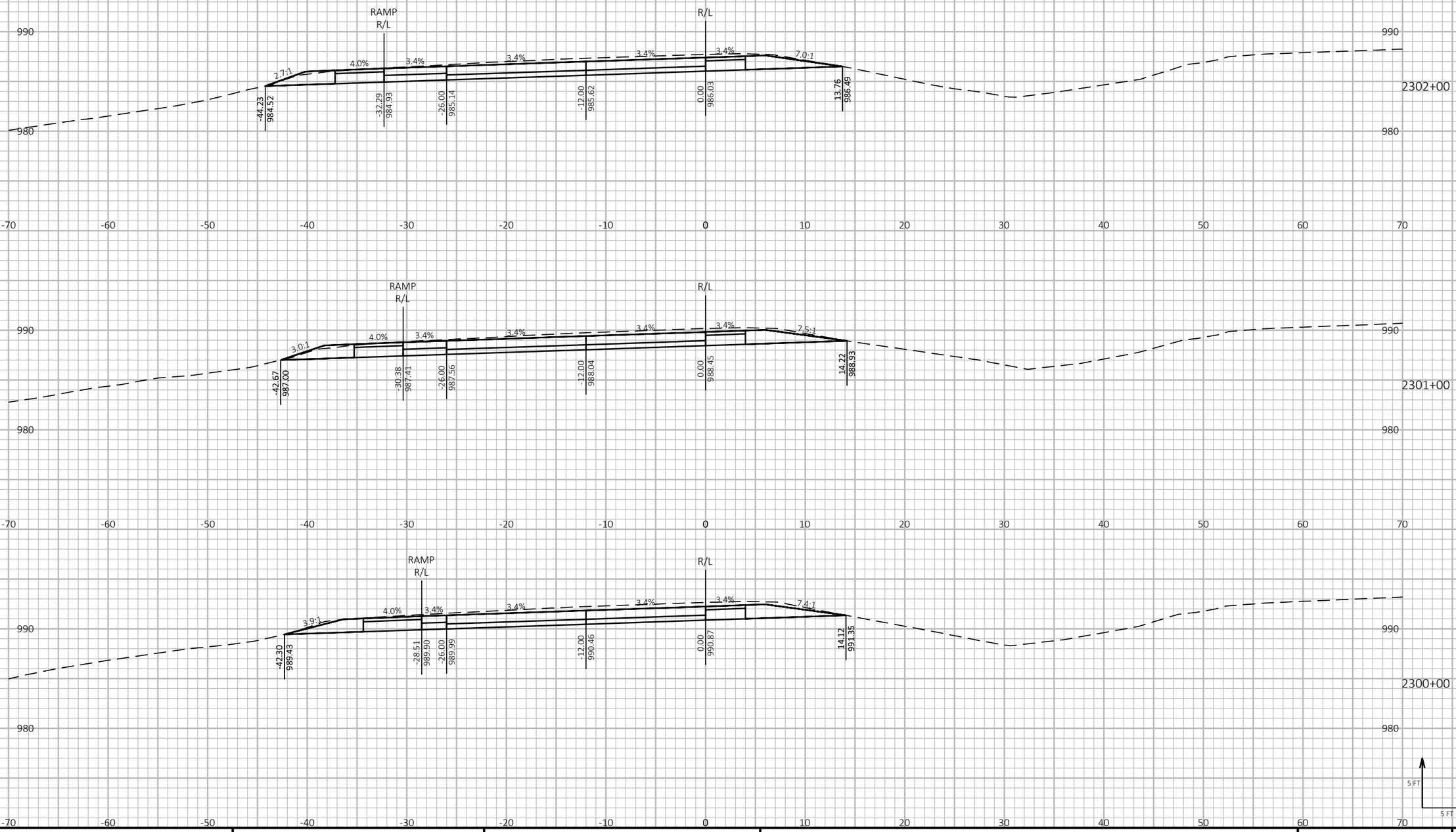
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 924	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090210-XS.DWG
LAYOUT NAME - 02

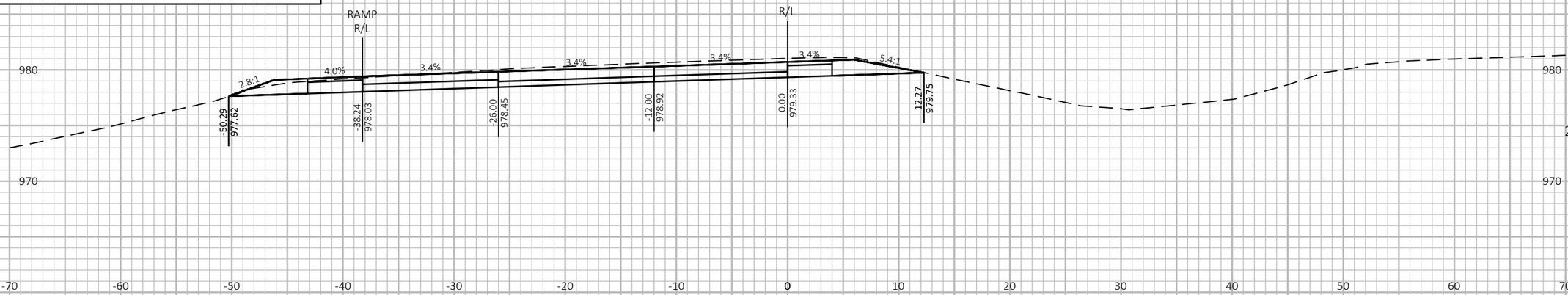
PLOT DATE : 7/26/2023 1:01 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

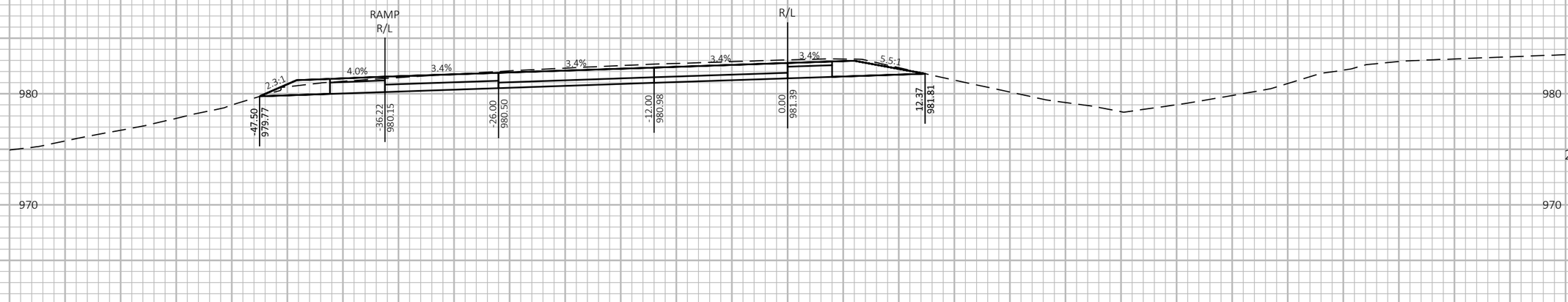
WISDOT/CADDS SHEET 49

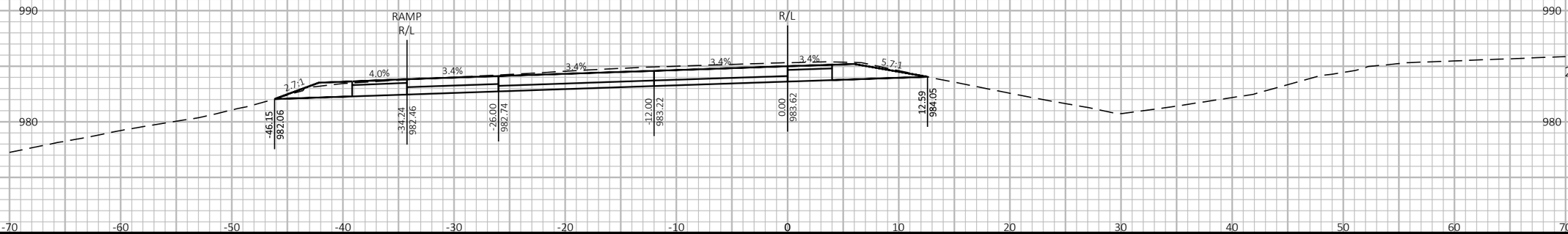
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 925	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090210-XS.DWG
LAYOUT NAME - 03

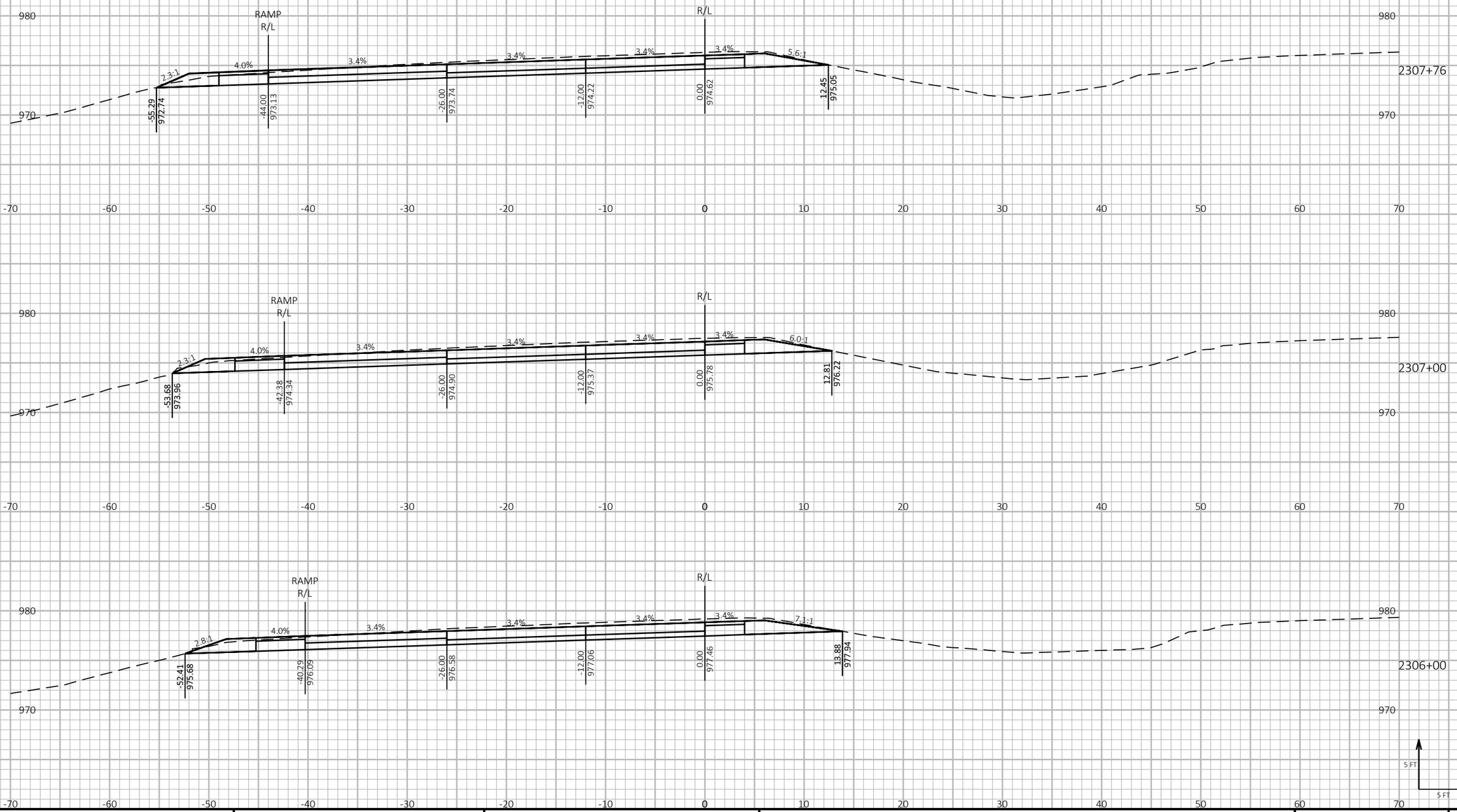
PLOT DATE : 7/26/2023 1:02 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 926	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090210-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 7/26/2023 1:02 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

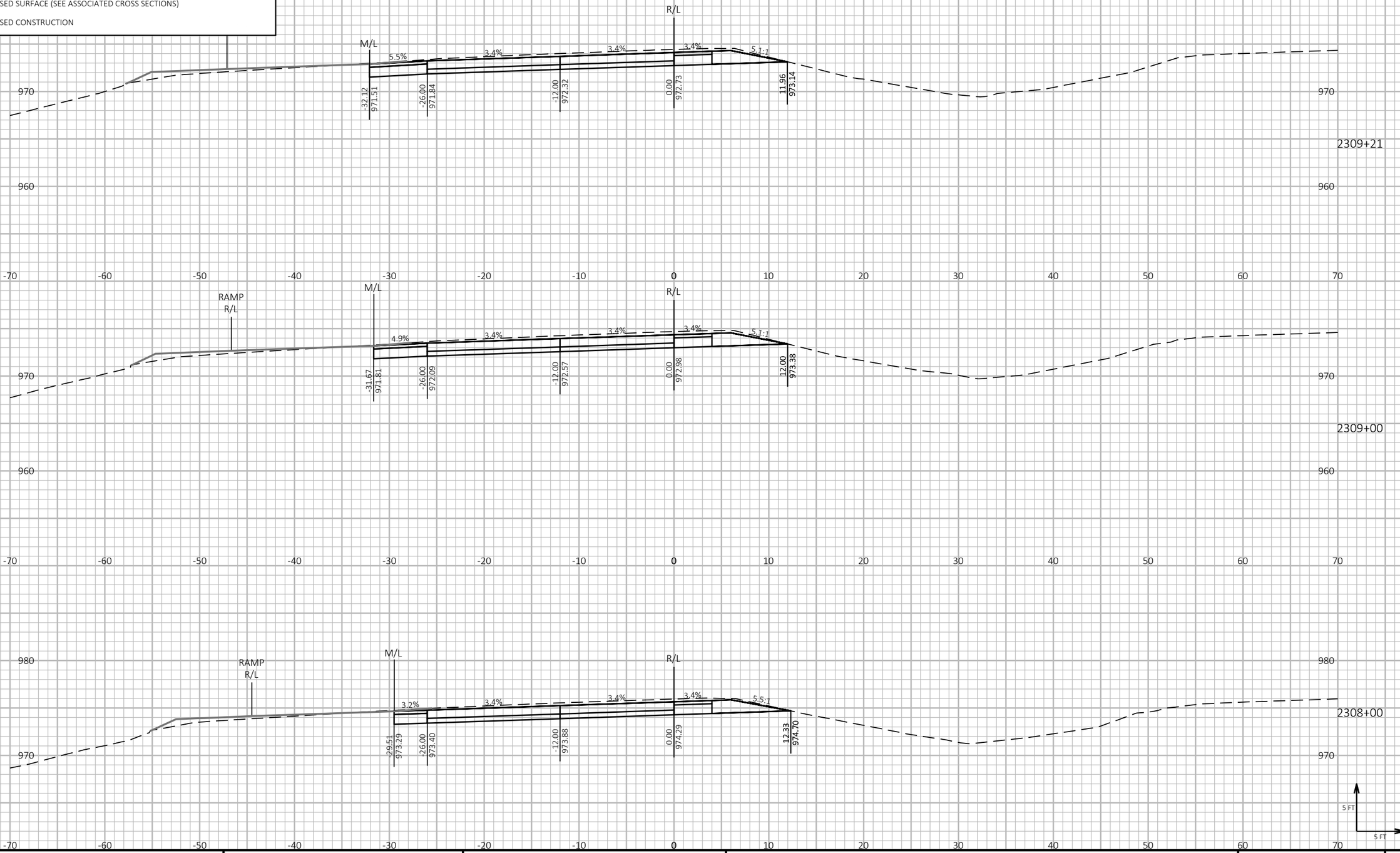
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 927	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090210-XS.DWG
LAYOUT NAME - 05

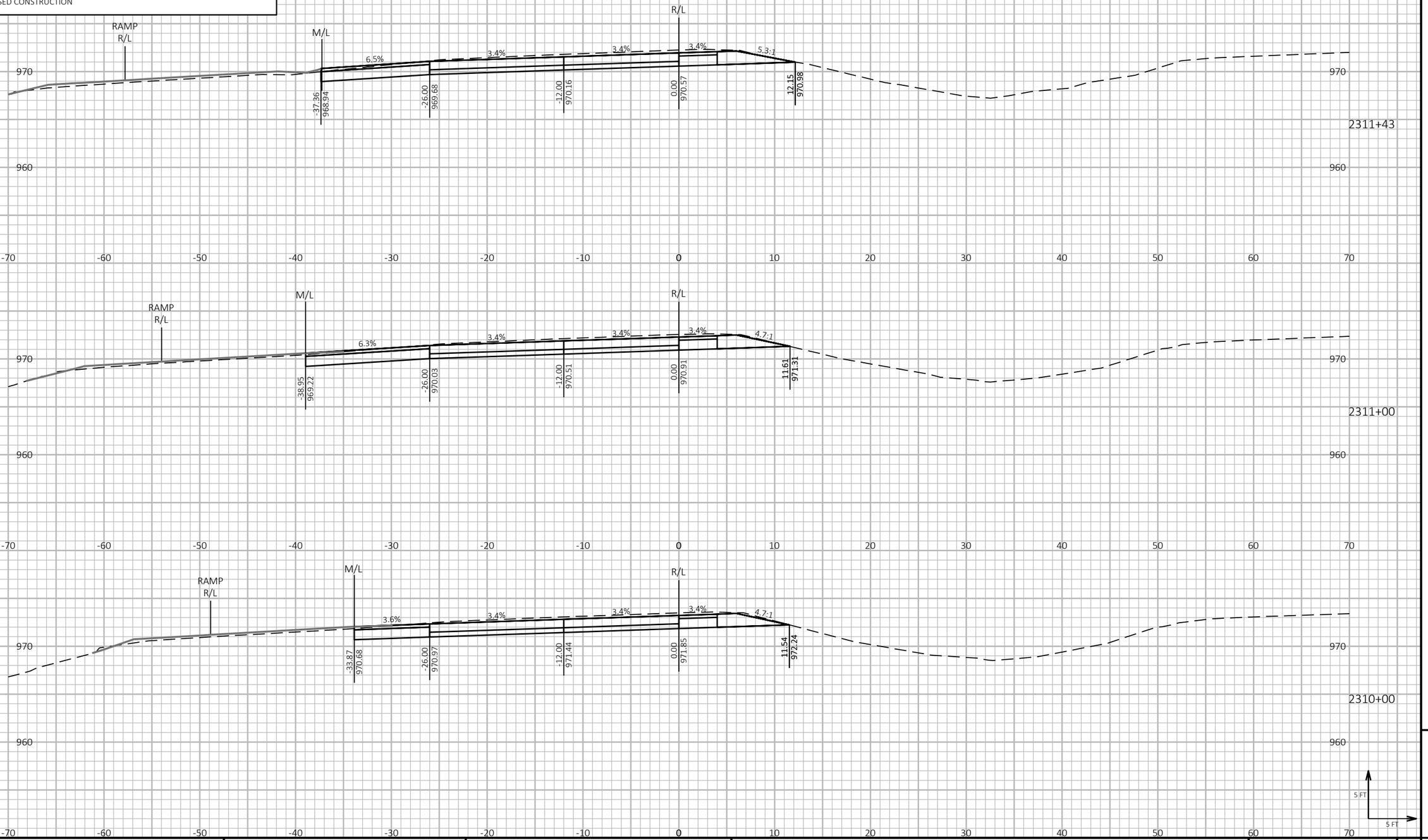
PLOT DATE : 7/26/2023 1:03 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 928	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090210-XS.DWG
LAYOUT NAME - 06

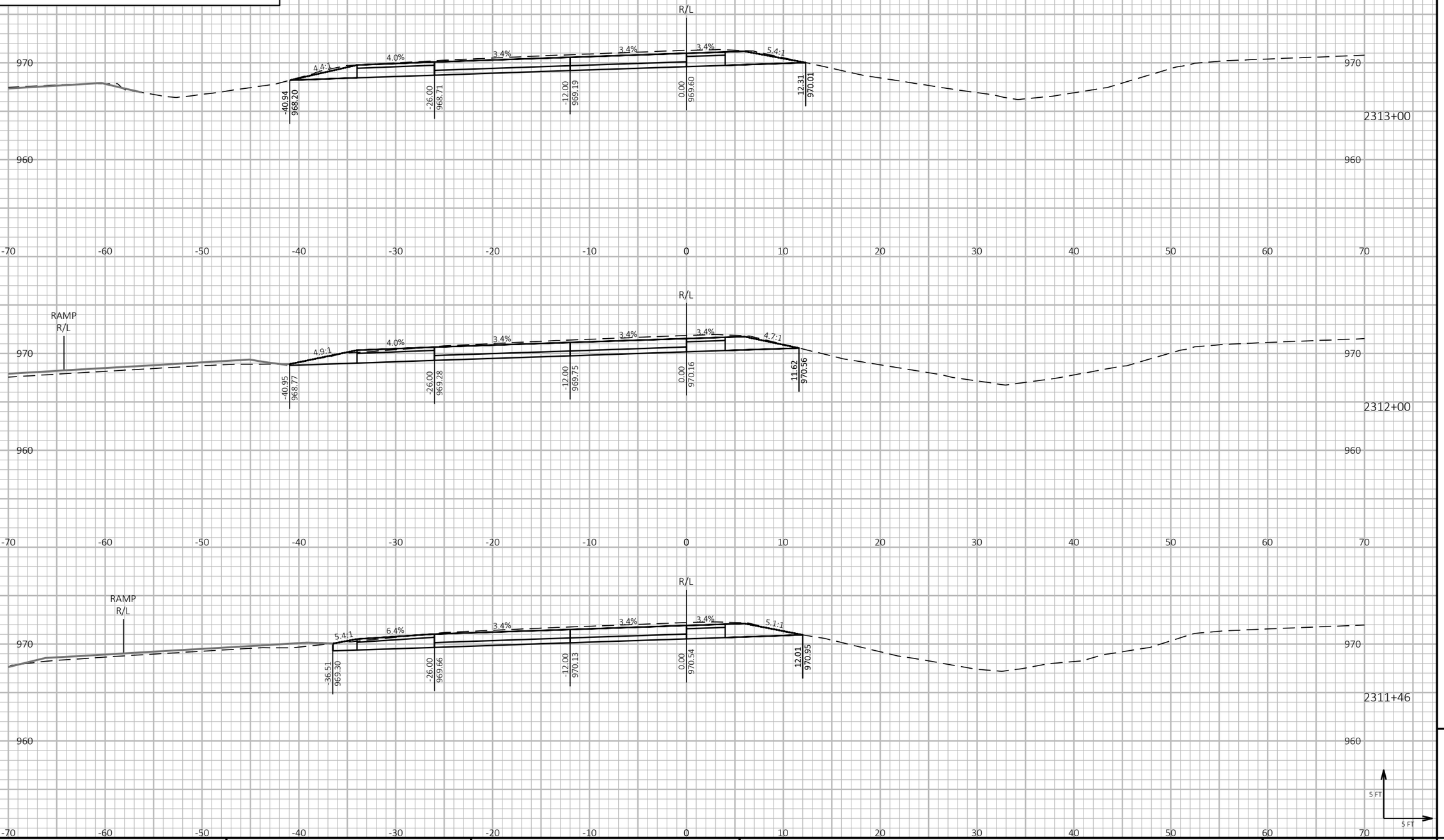
PLOT DATE : 7/26/2023 1:03 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 929	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090210-XS.DWG
LAYOUT NAME - 07

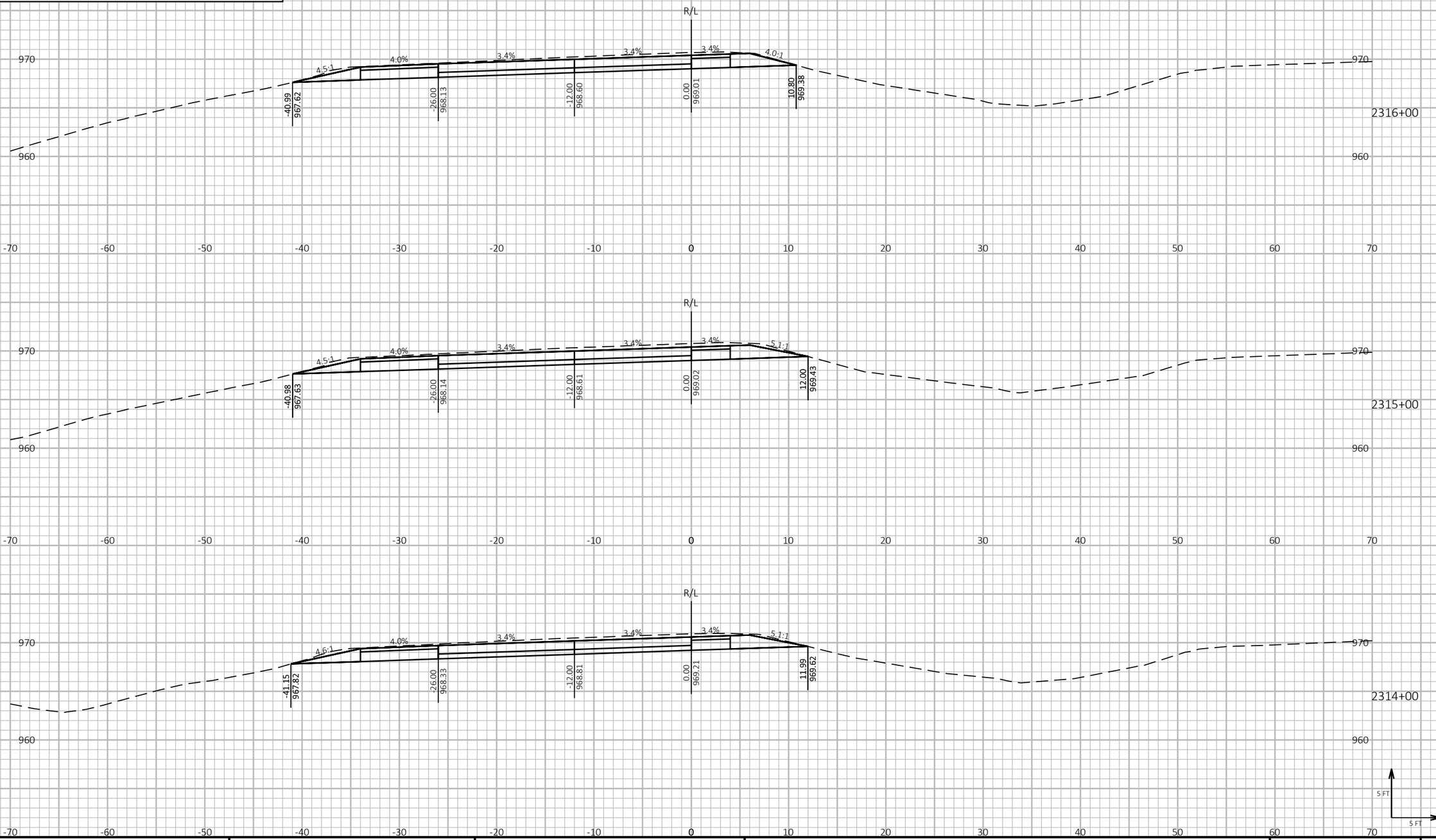
PLOT DATE : 7/26/2023 1:03 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



9

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 930	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090210-XS.DWG
LAYOUT NAME - 08

PLOT DATE : 7/26/2023 1:03 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

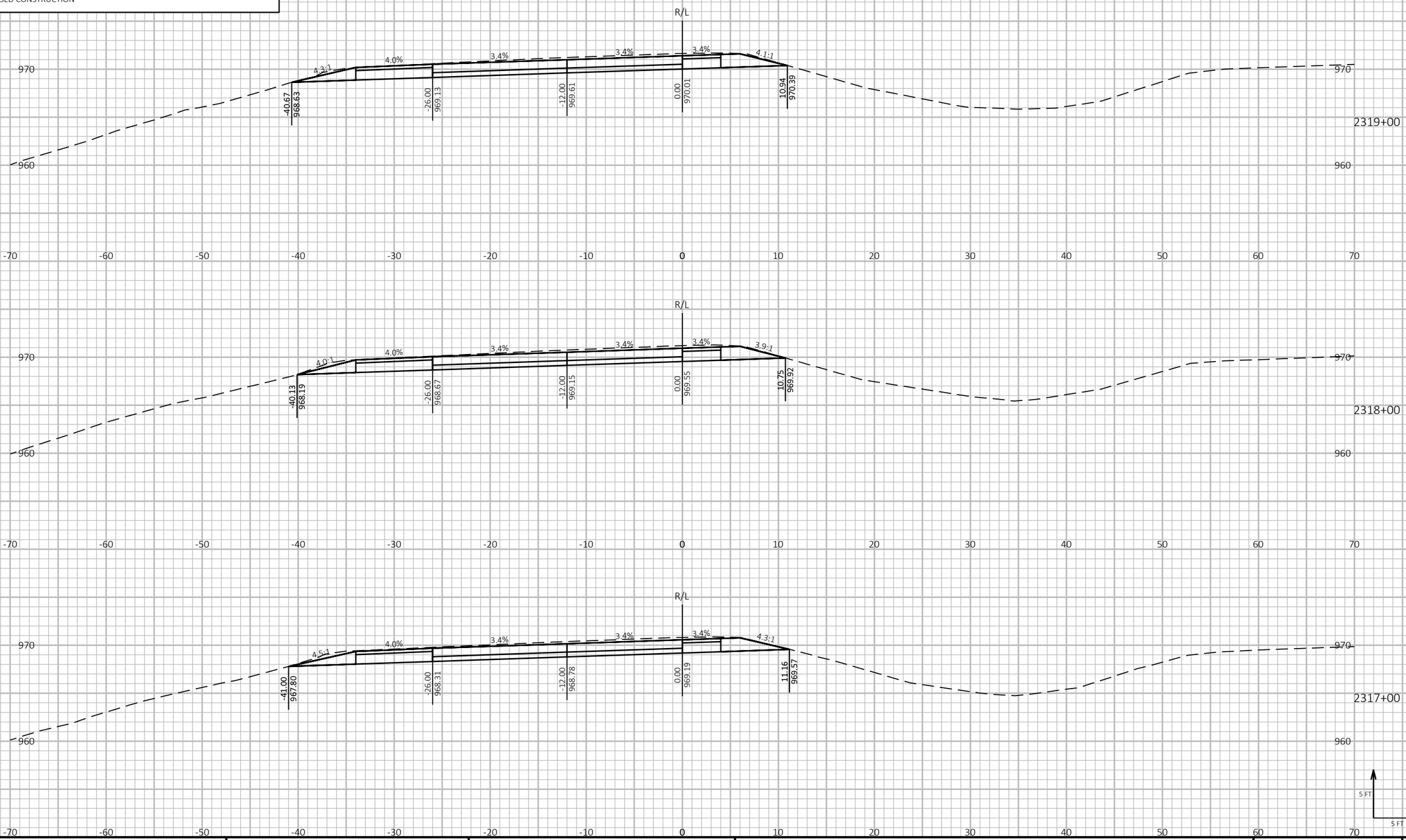
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 931	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090210-XS.DWG
LAYOUT NAME - 09

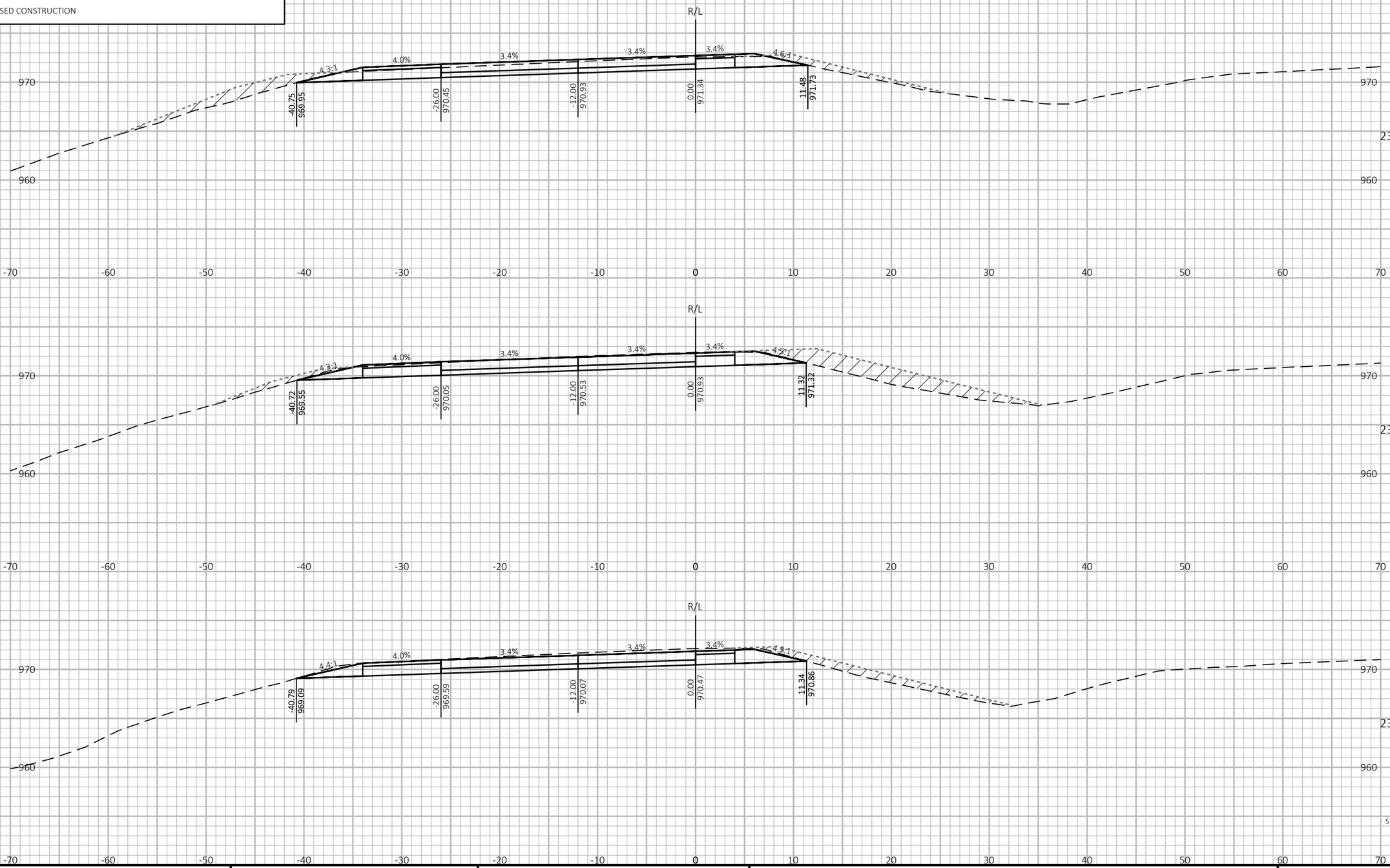
PLOT DATE : 7/26/2023 1:04 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 932	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090210-XS.DWG
LAYOUT NAME - 10

PLOT DATE : 7/26/2023 1:04 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

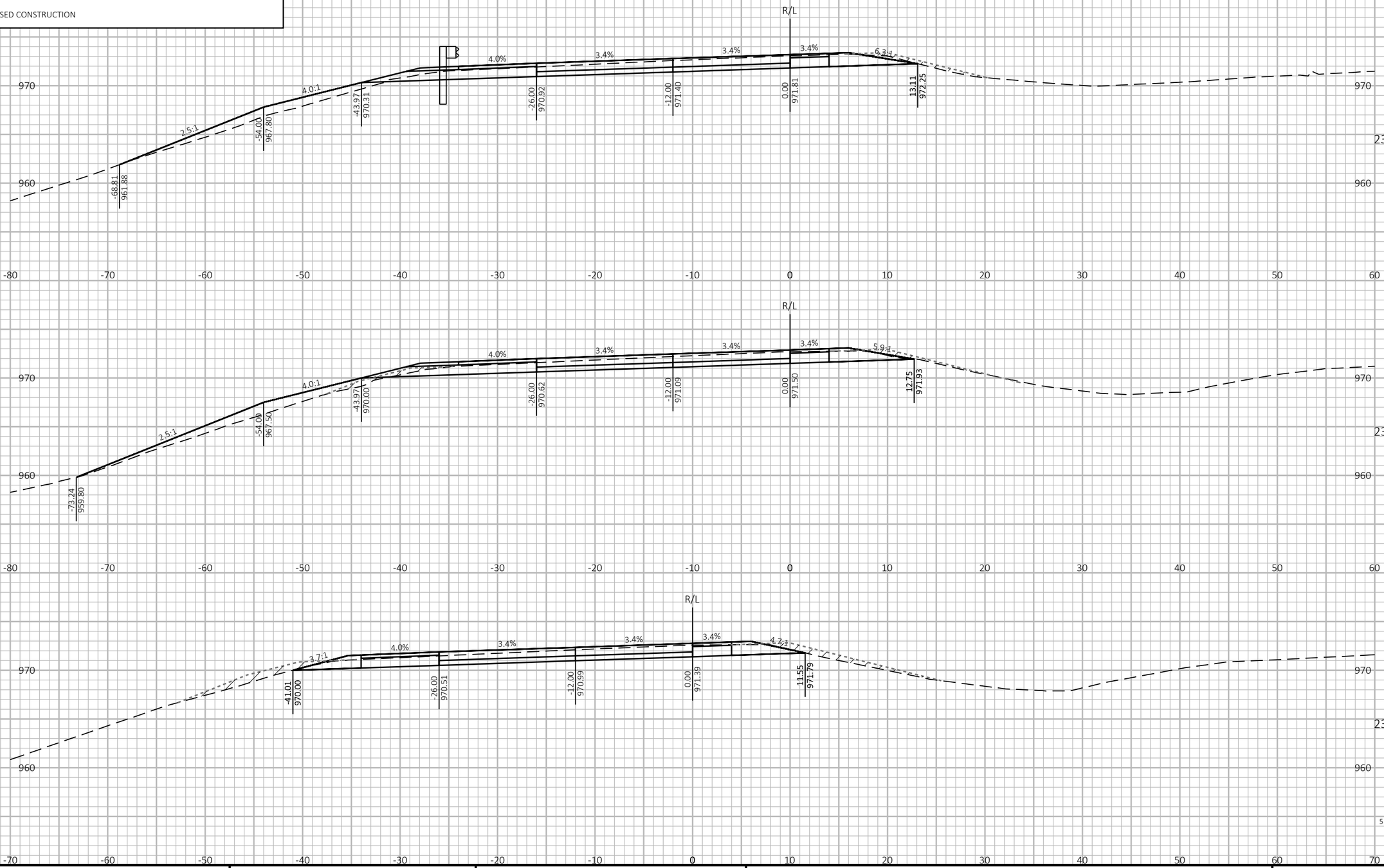
TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)

TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 933	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090210-XS.DWG
LAYOUT NAME - 11

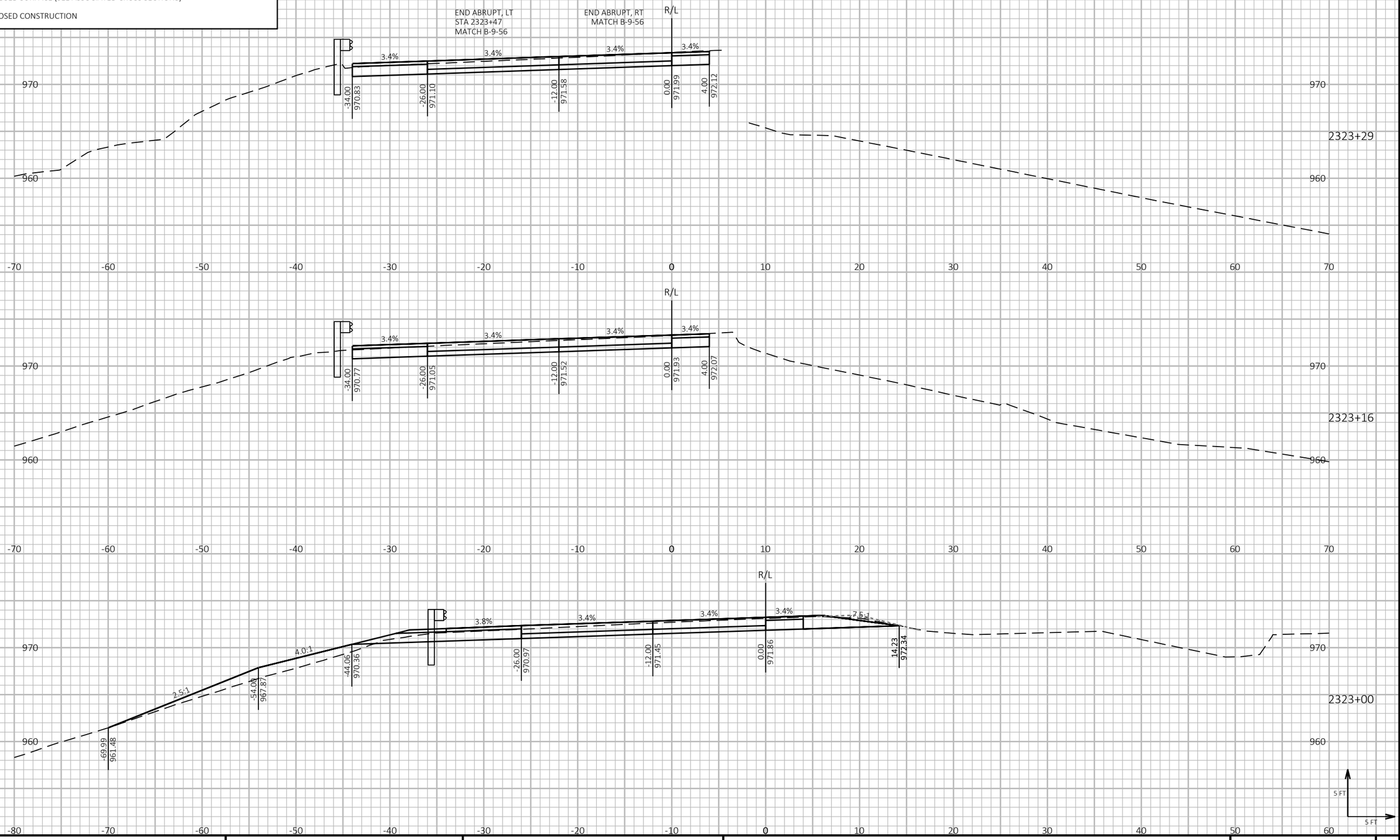
PLOT DATE : 7/26/2023 1:04 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 934	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090210-XS.DWG
LAYOUT NAME - 12

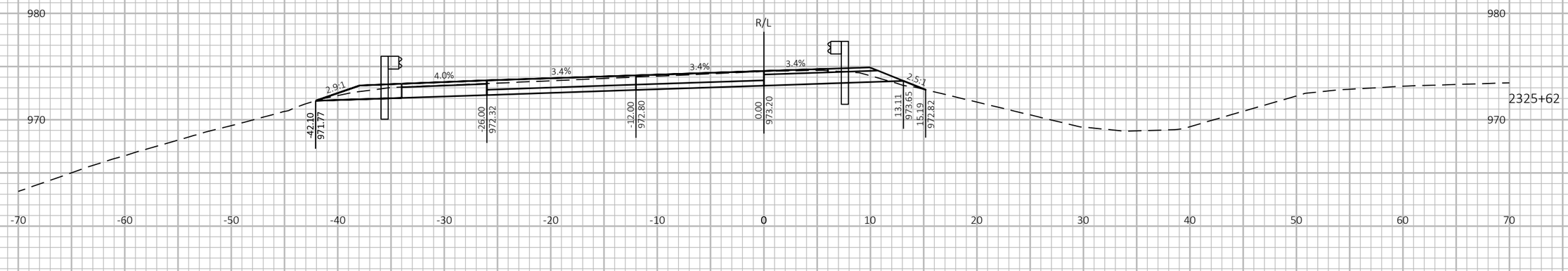
PLOT DATE : 7/26/2023 1:04 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

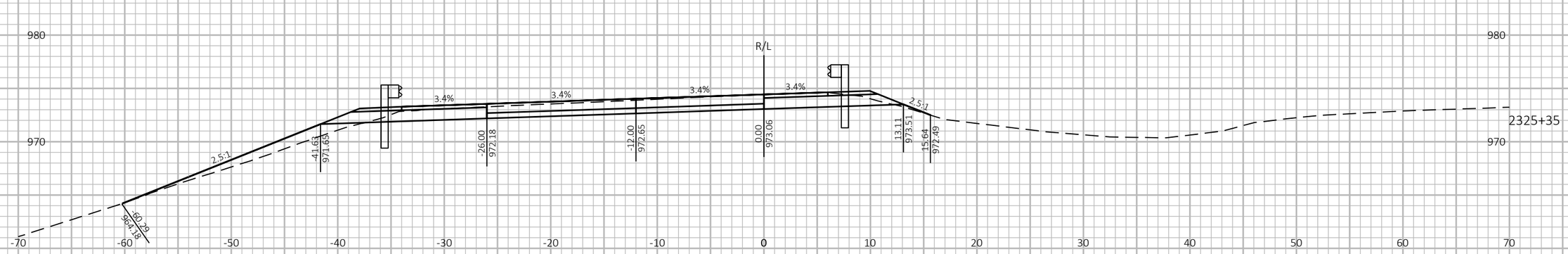
WISDOT/CADDS SHEET 49

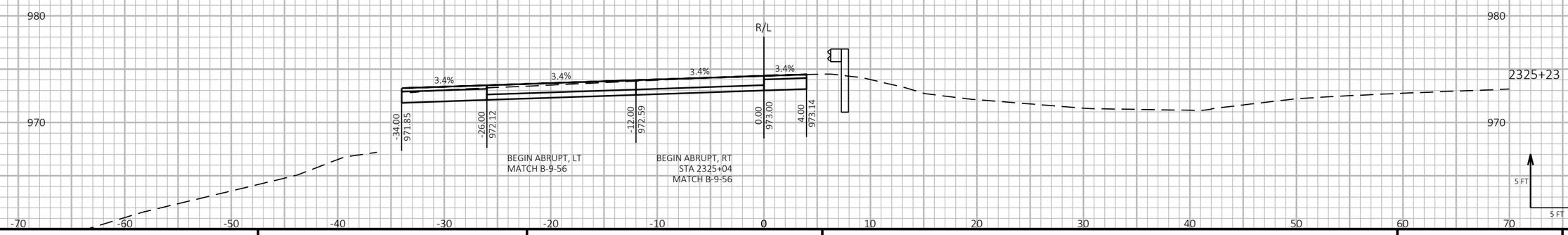
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 935	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090210-XS.DWG
LAYOUT NAME - 13

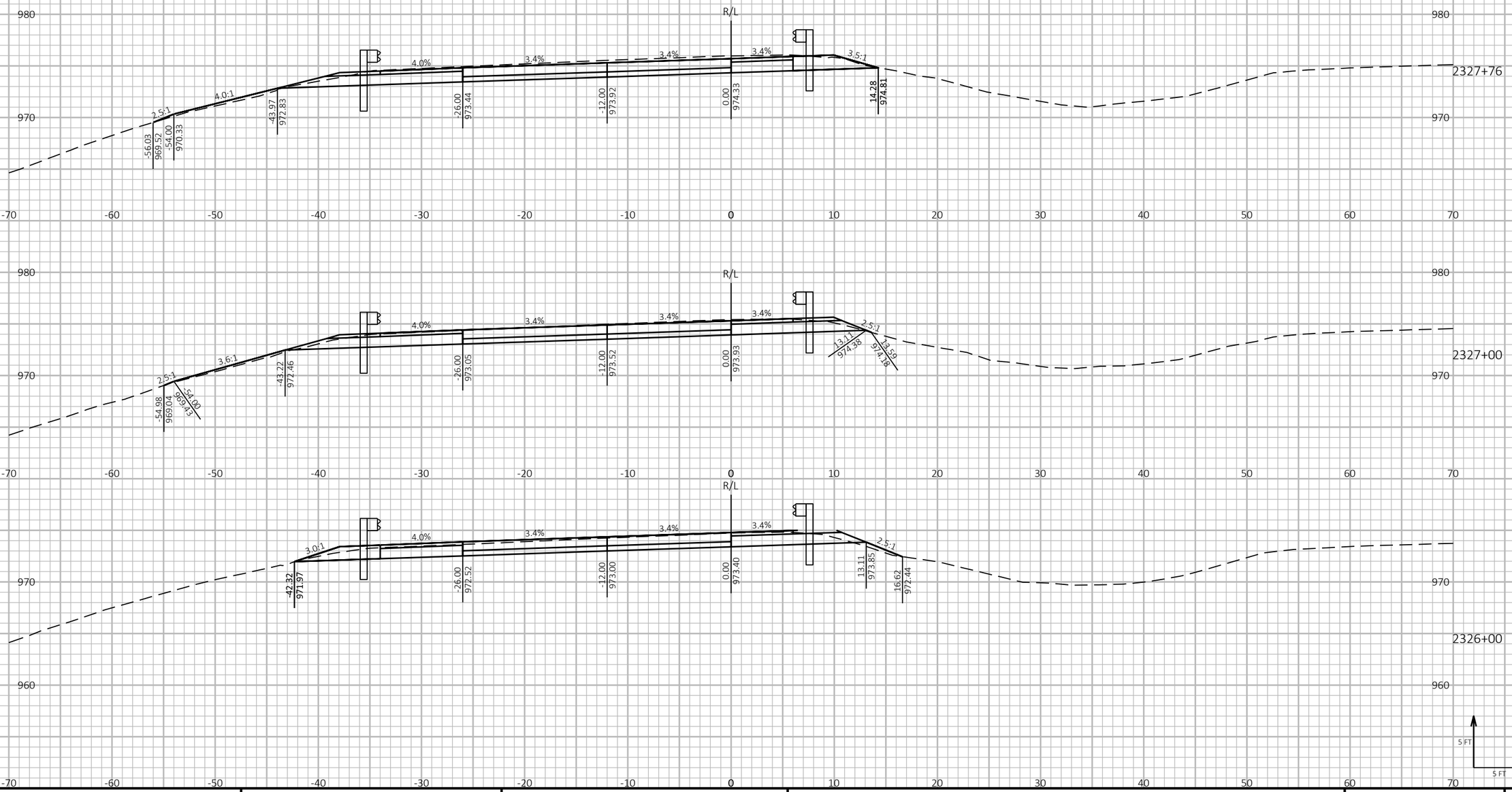
PLOT DATE : 7/26/2023 1:05 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 936	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090210-XS.DWG
LAYOUT NAME - 14

PLOT DATE : 7/26/2023 1:05 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

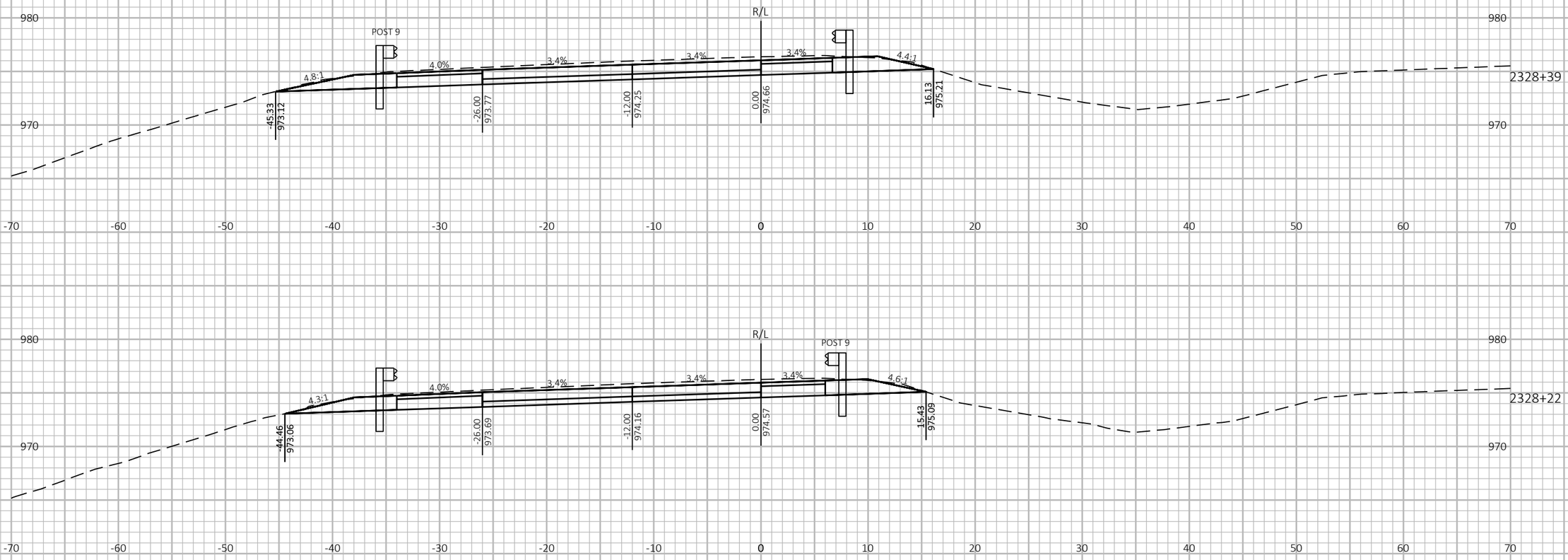
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

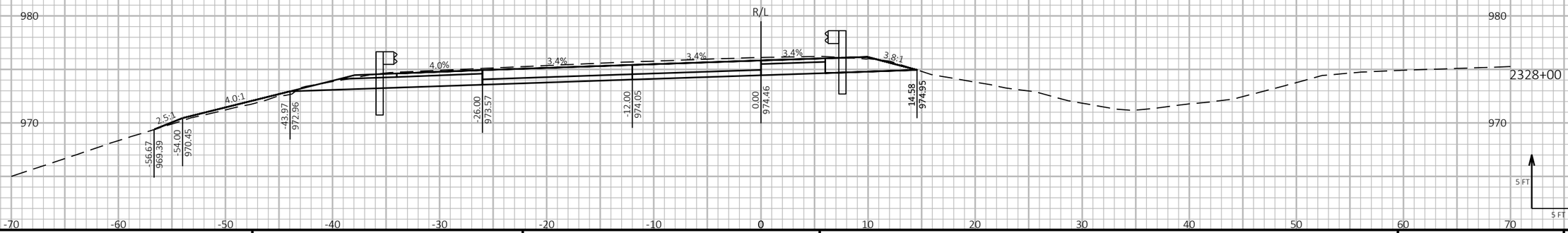
WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT





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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 937	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090210-XS.DWG
LAYOUT NAME - 15

PLOT DATE : 7/26/2023 1:05 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

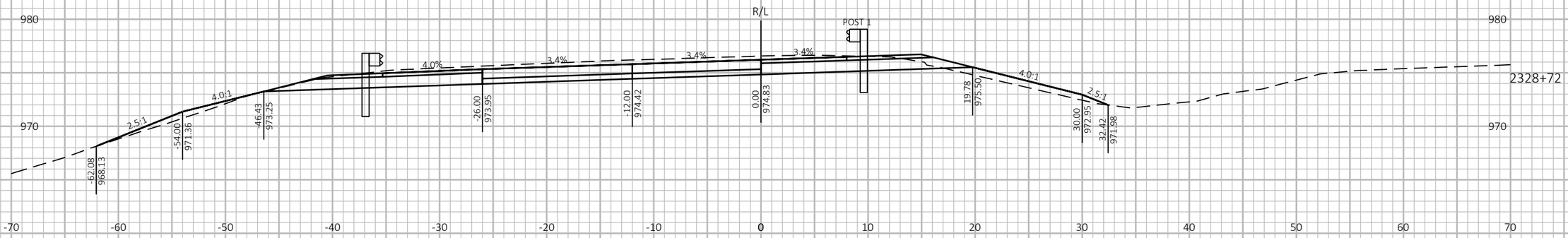
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

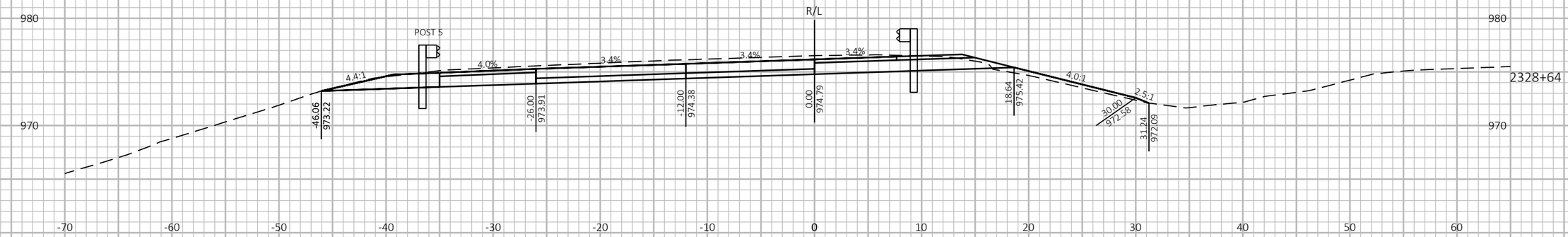
WISDOT/CADDS SHEET 49

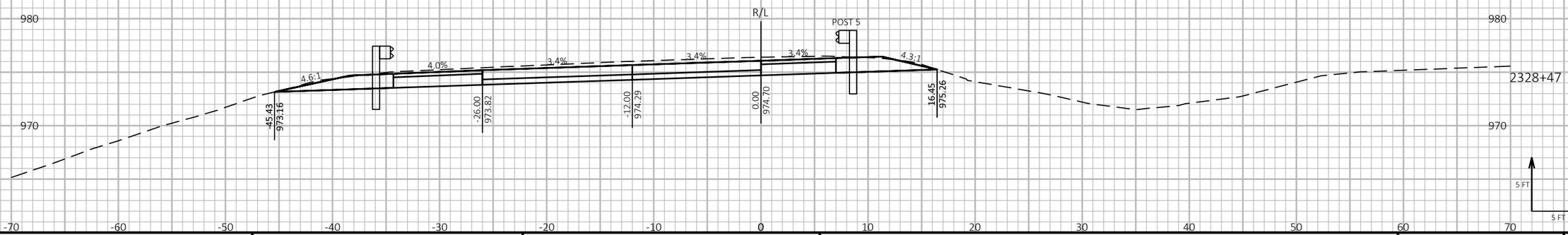
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 938	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090210-XS.DWG
LAYOUT NAME - 16

PLOT DATE : 7/26/2023 1:05 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

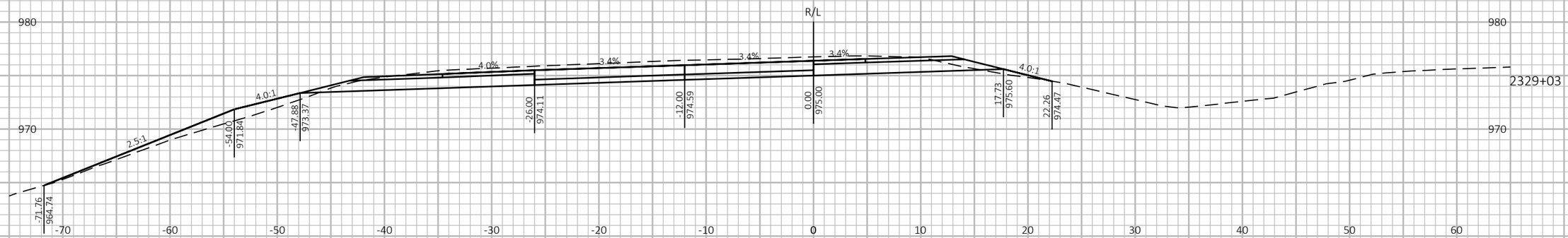
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

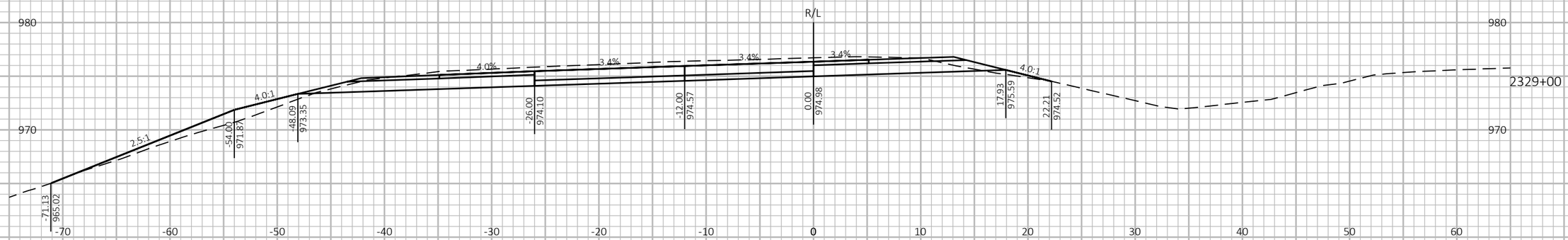
WISDOT/CADDS SHEET 49

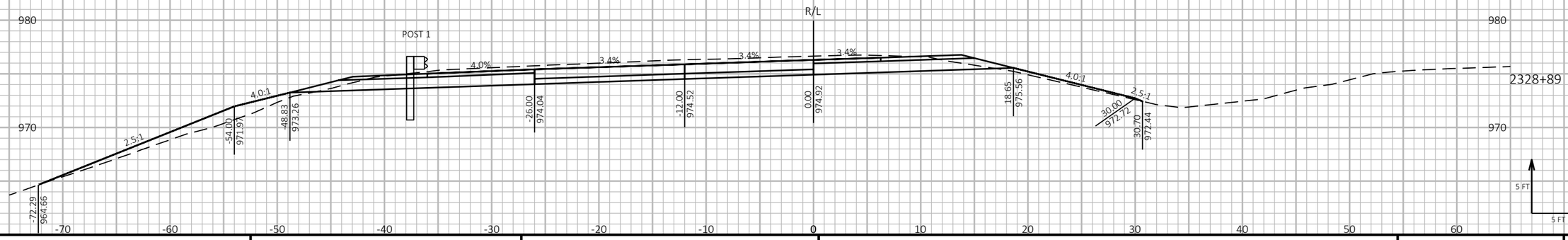
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 939	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090210-XS.DWG
LAYOUT NAME - 17

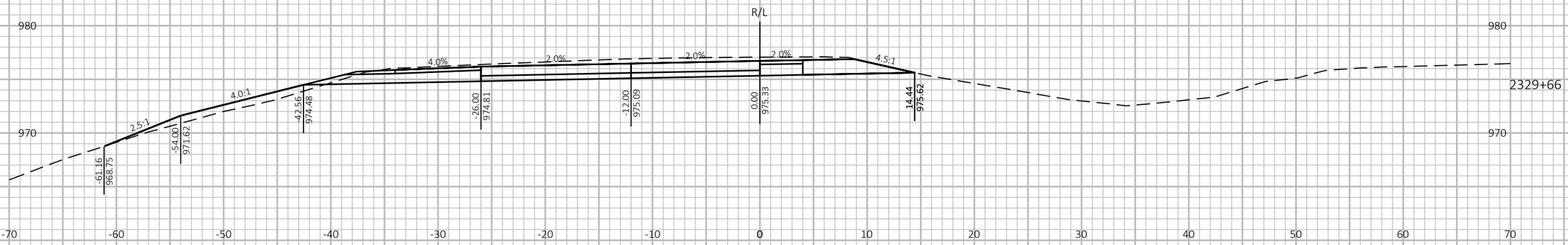
PLOT DATE : 7/26/2023 1:06 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

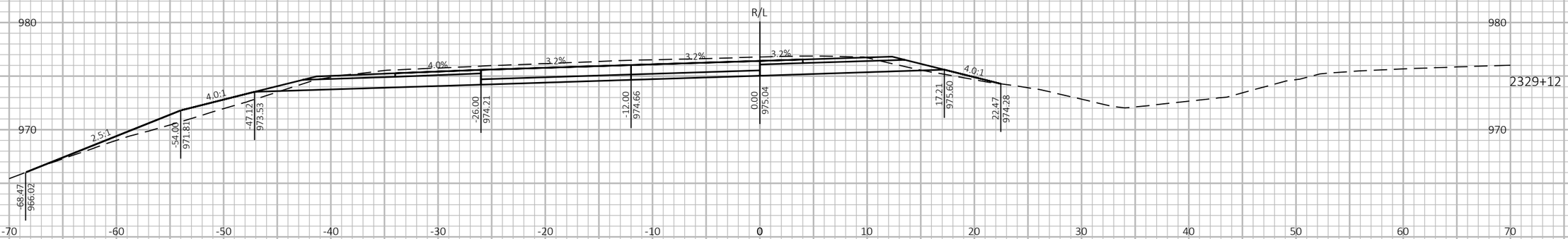
WISDOT/CADDS SHEET 49

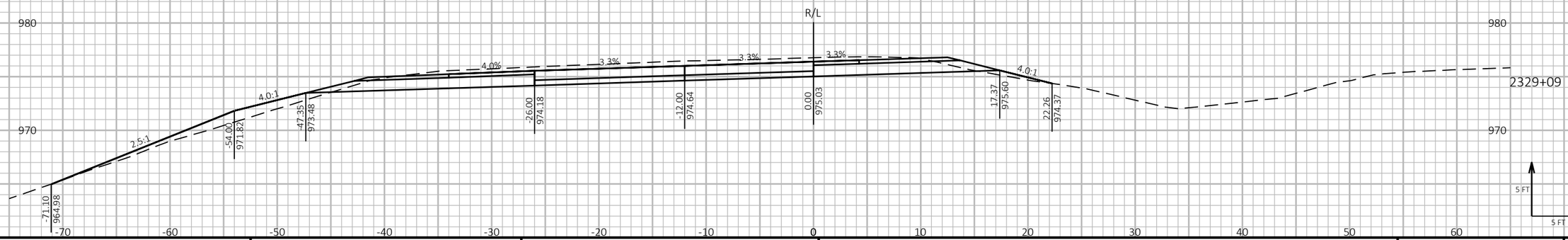
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 940	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090210-XS.DWG
LAYOUT NAME - 18

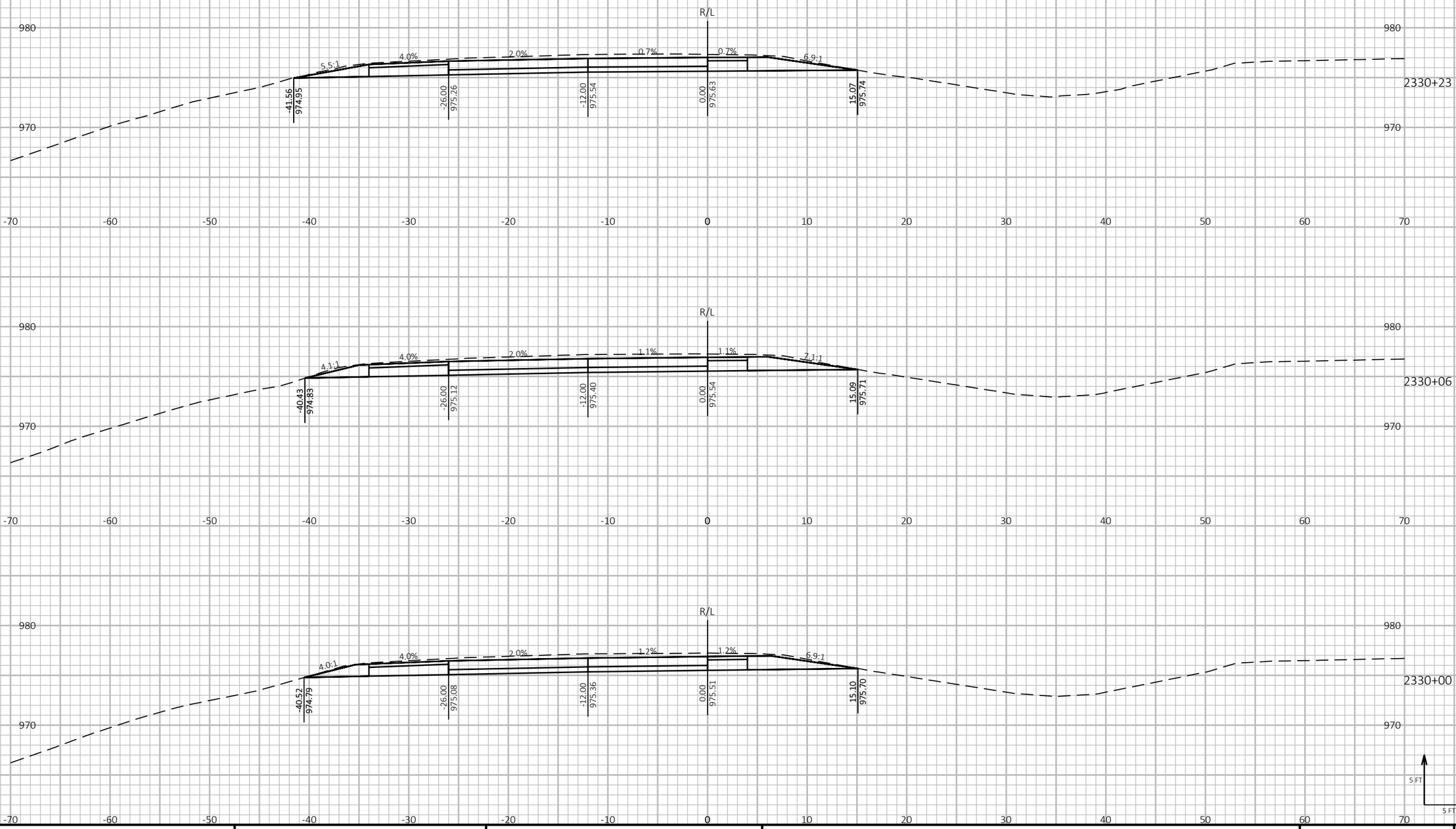
PLOT DATE : 7/26/2023 1:06 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 941	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090210-XS.DWG
LAYOUT NAME - 19

PLOT DATE : 7/26/2023 1:06 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

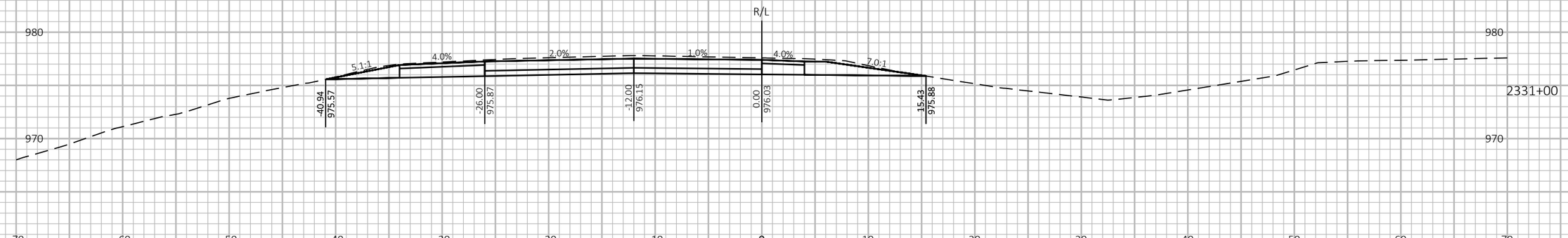
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

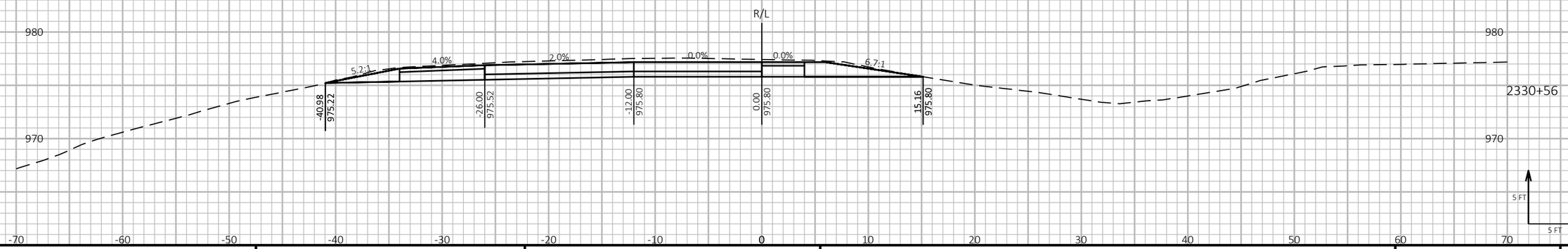
CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



2331+46



2331+00



2330+56

9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 942	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090210-XS.DWG
LAYOUT NAME - 20

PLOT DATE : 7/26/2023 1:06 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

LEGEND

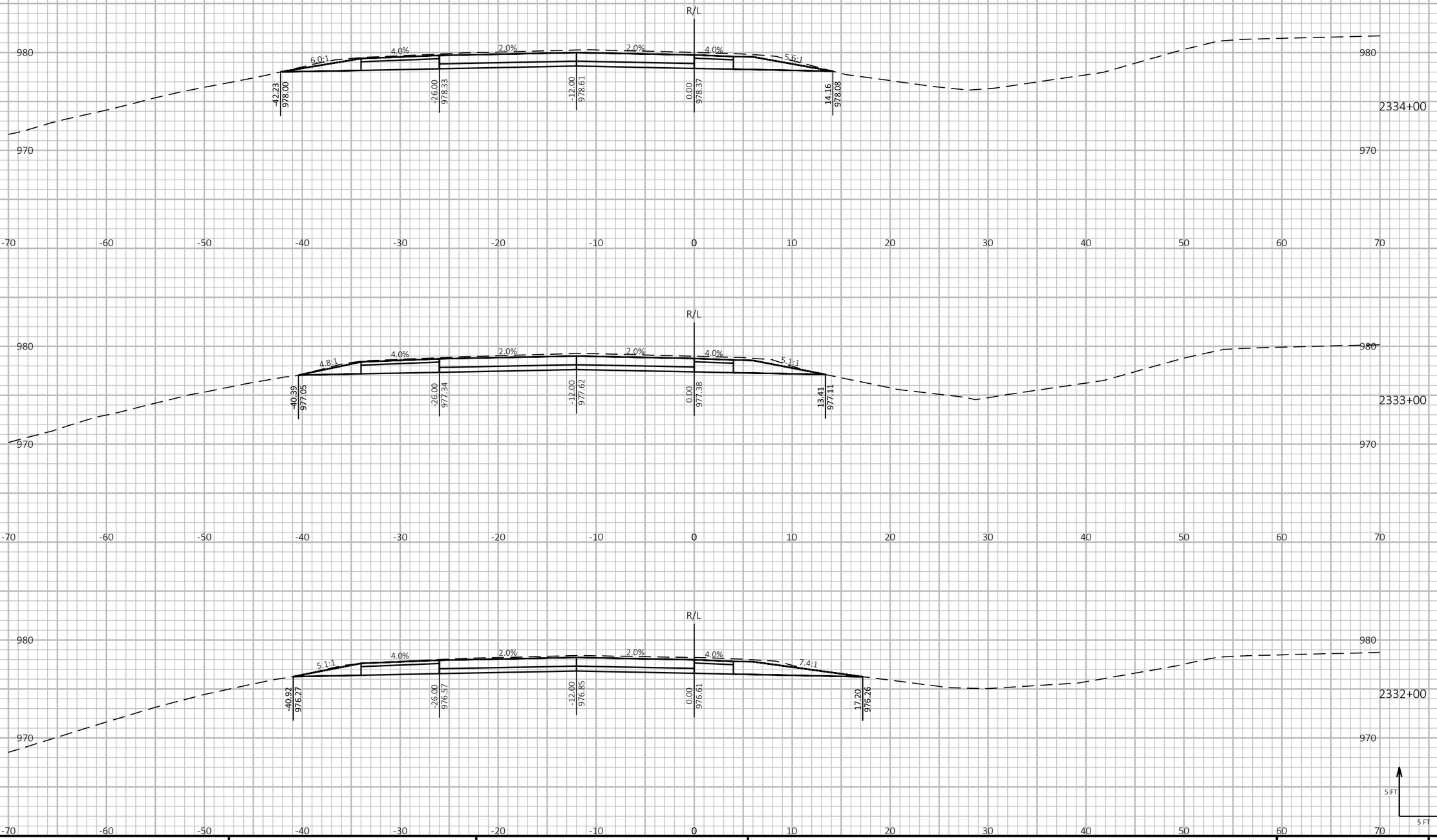
TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)

TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 943 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090210-XS.DWG
LAYOUT NAME - 21

PLOT DATE : 7/26/2023 1:07 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

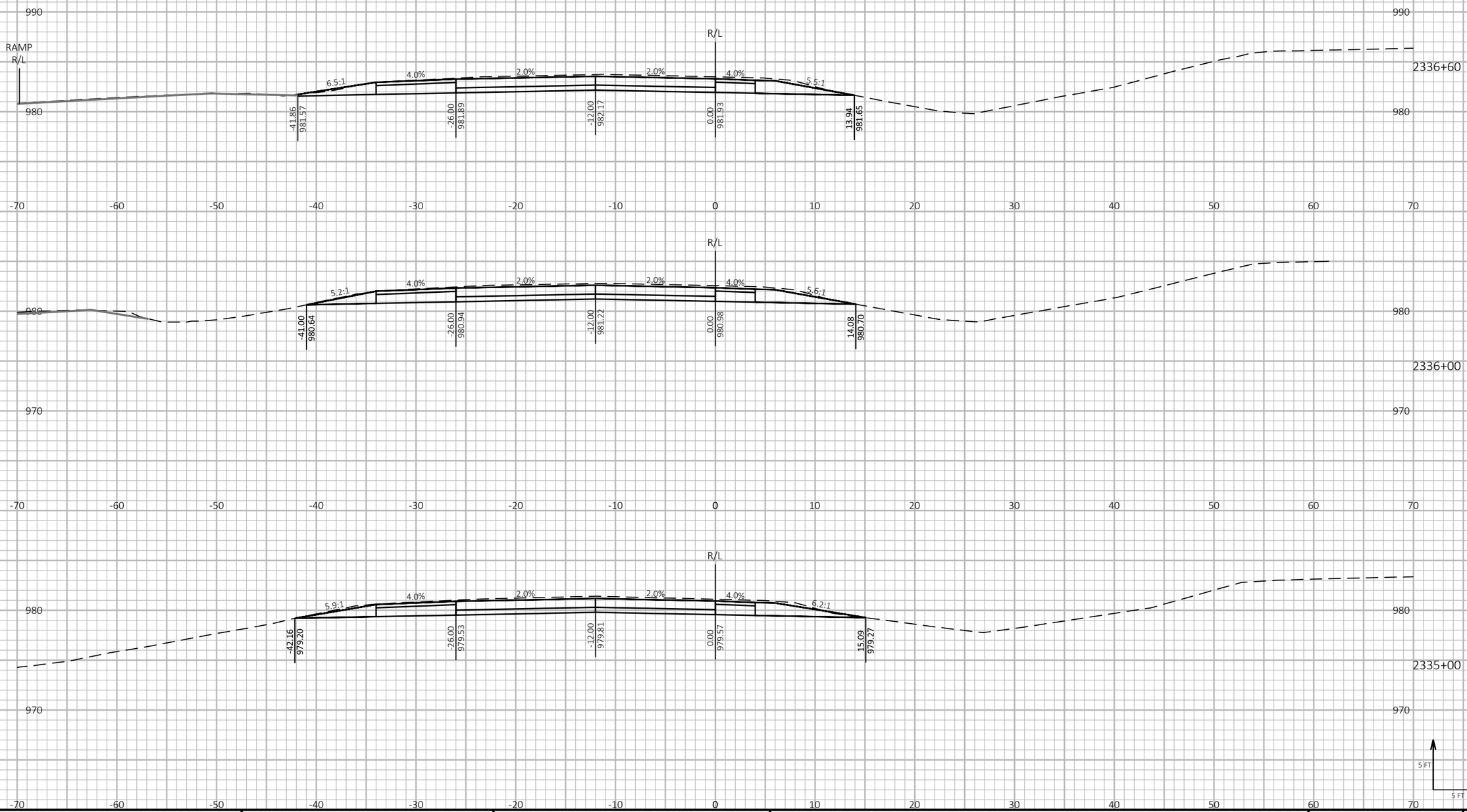
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 944	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090210-XS.DWG
LAYOUT NAME - 22

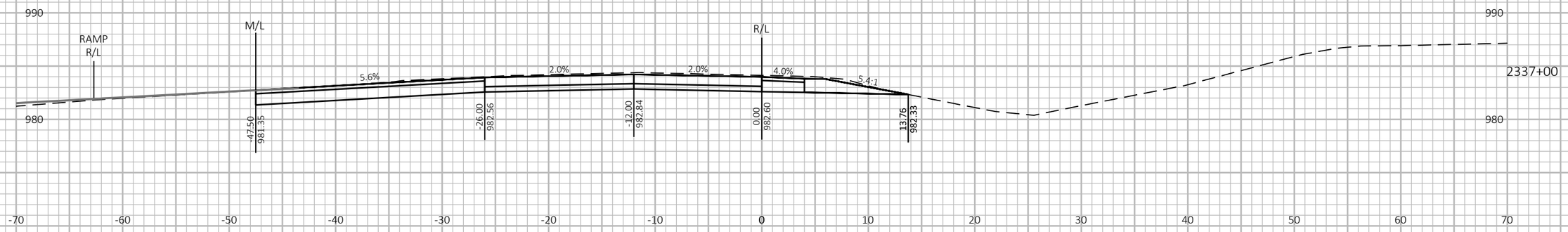
PLOT DATE : 7/26/2023 1:07 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

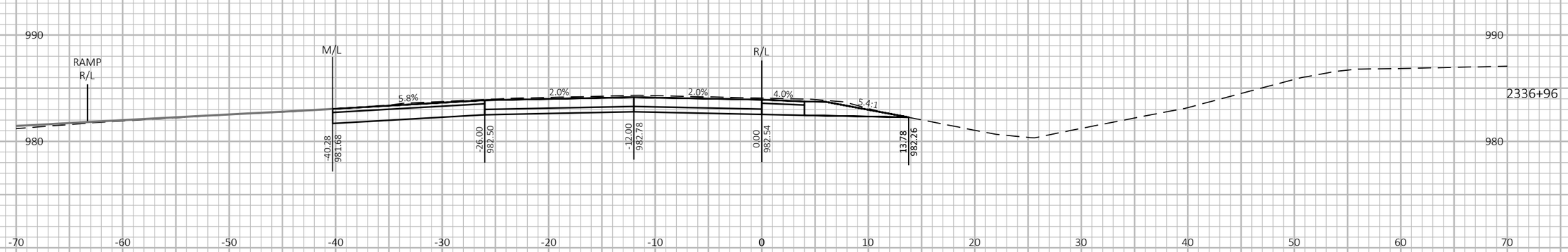
WISDOT/CADDS SHEET 49

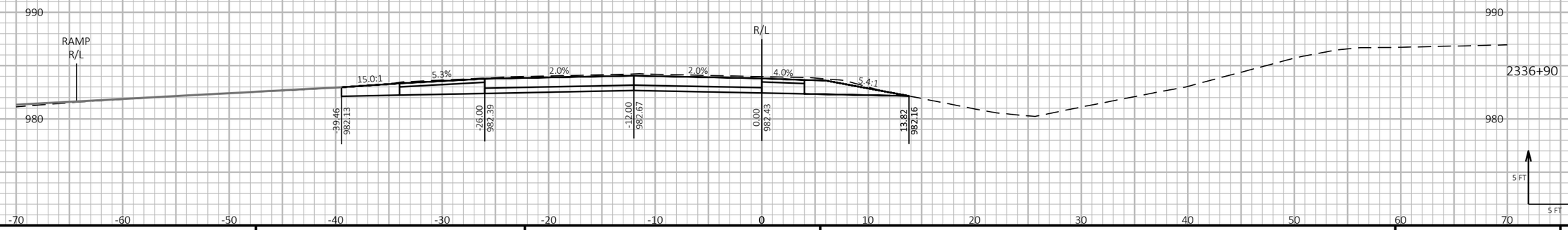
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 945	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090210-XS.DWG
LAYOUT NAME - 23

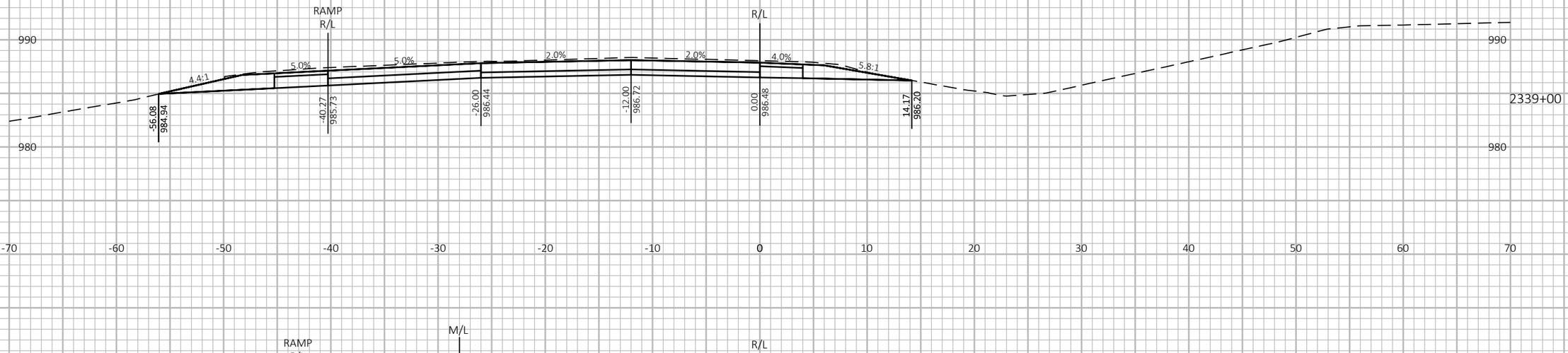
PLOT DATE : 7/26/2023 1:07 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

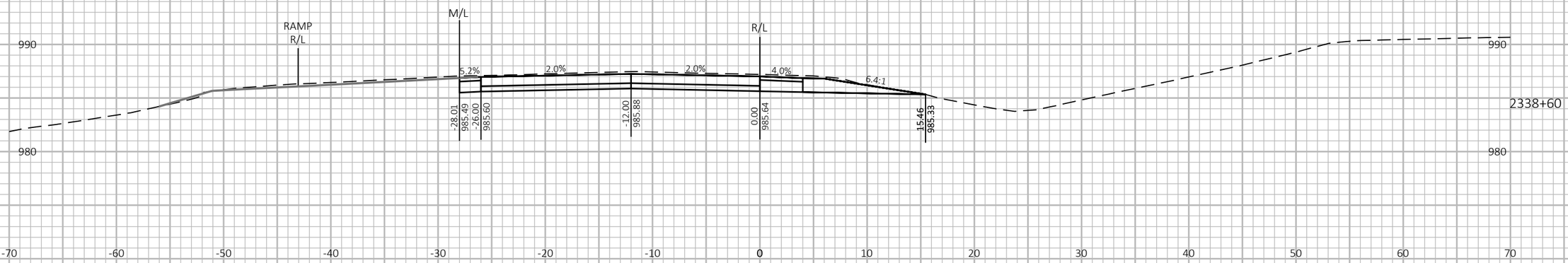
WISDOT/CADDS SHEET 49

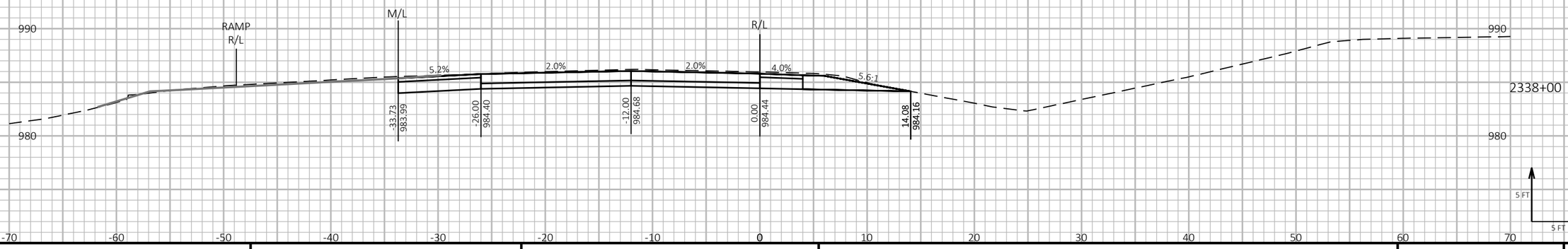
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 946	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090210-XS.DWG
LAYOUT NAME - 24

PLOT DATE : 7/26/2023 1:08 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

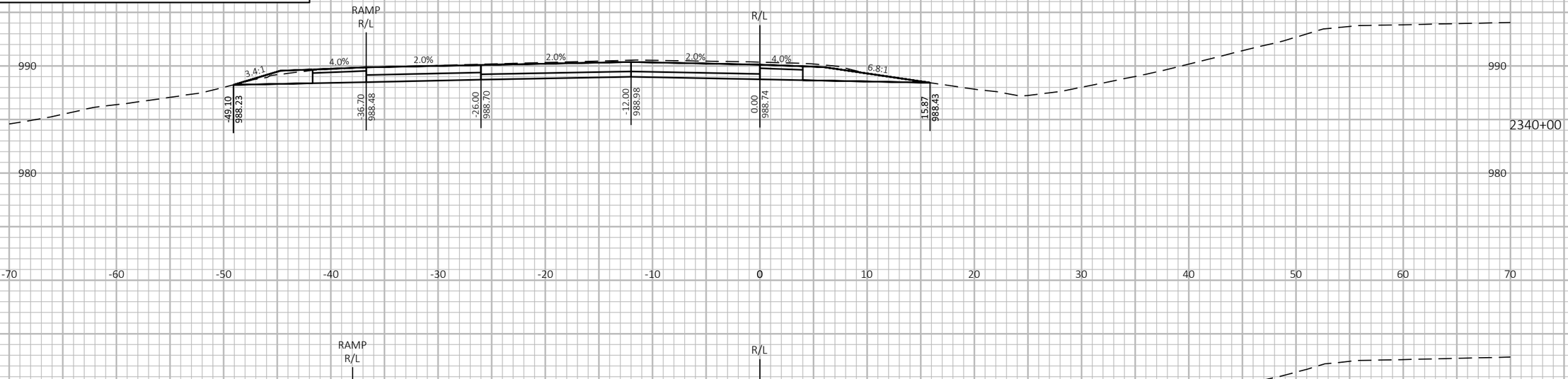
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

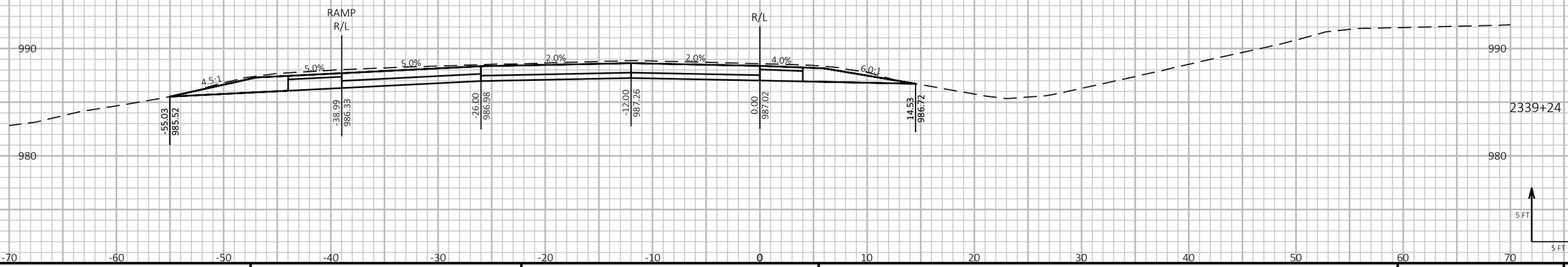
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 947	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090210-XS.DWG
LAYOUT NAME - 25

PLOT DATE : 7/26/2023 1:08 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

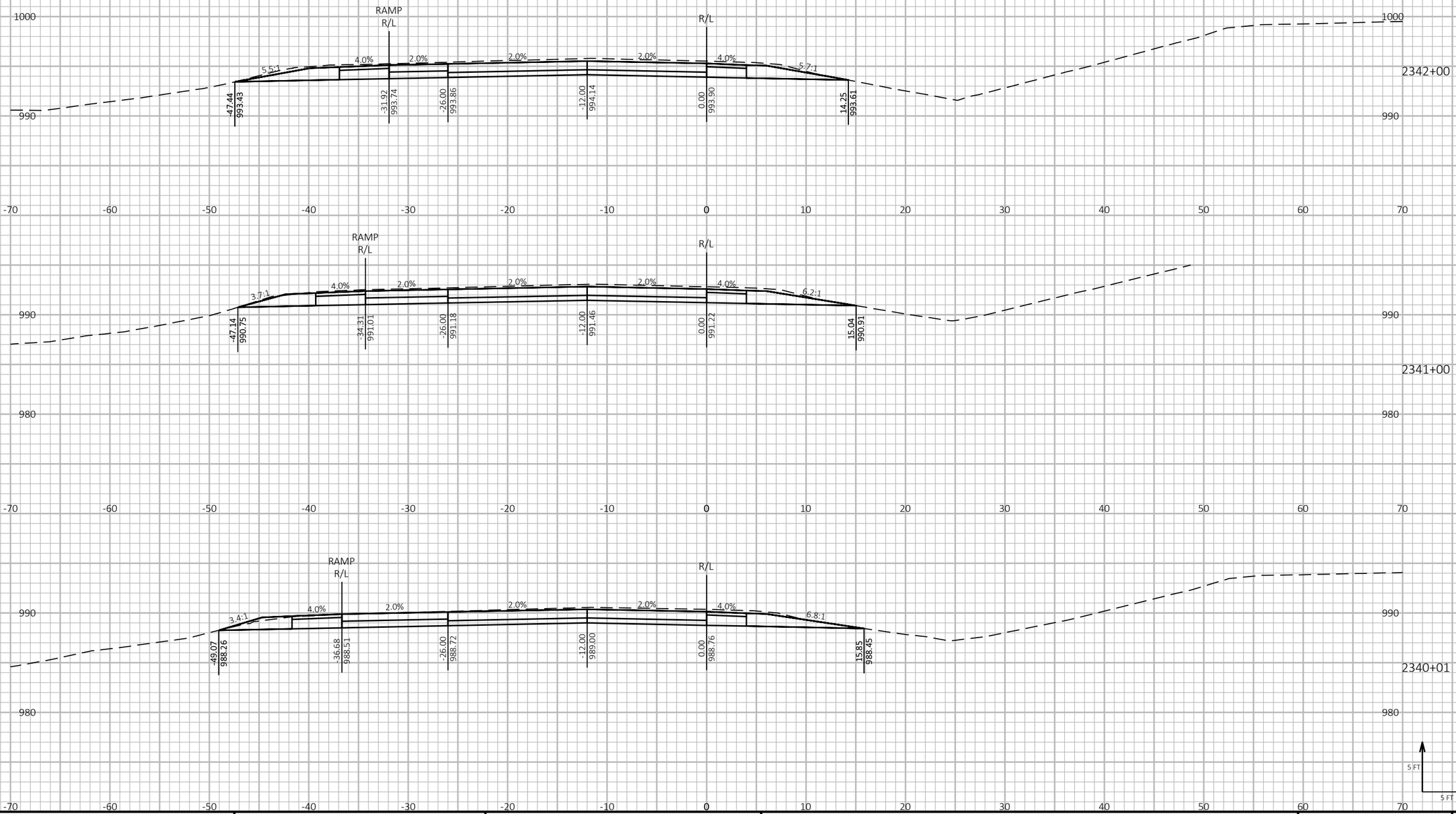
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 948	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090210-XS.DWG
LAYOUT NAME - 26

PLOT DATE : 7/26/2023 1:08 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 949	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090210-XS.DWG
LAYOUT NAME - 27

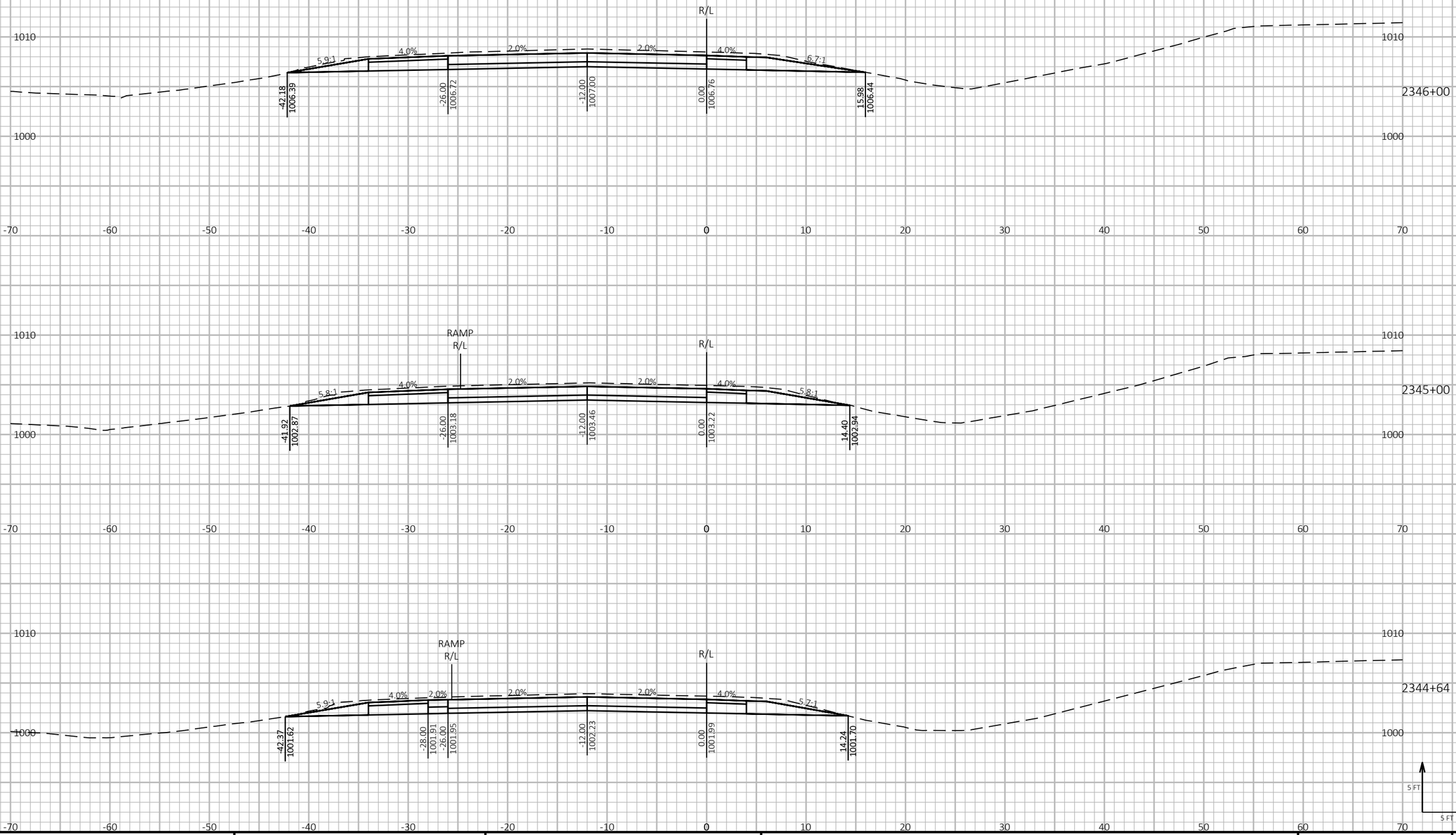
PLOT DATE : 7/26/2023 1:08 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 950	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090210-XS.DWG
LAYOUT NAME - 28

PLOT DATE : 7/26/2023 1:09 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

LEGEND

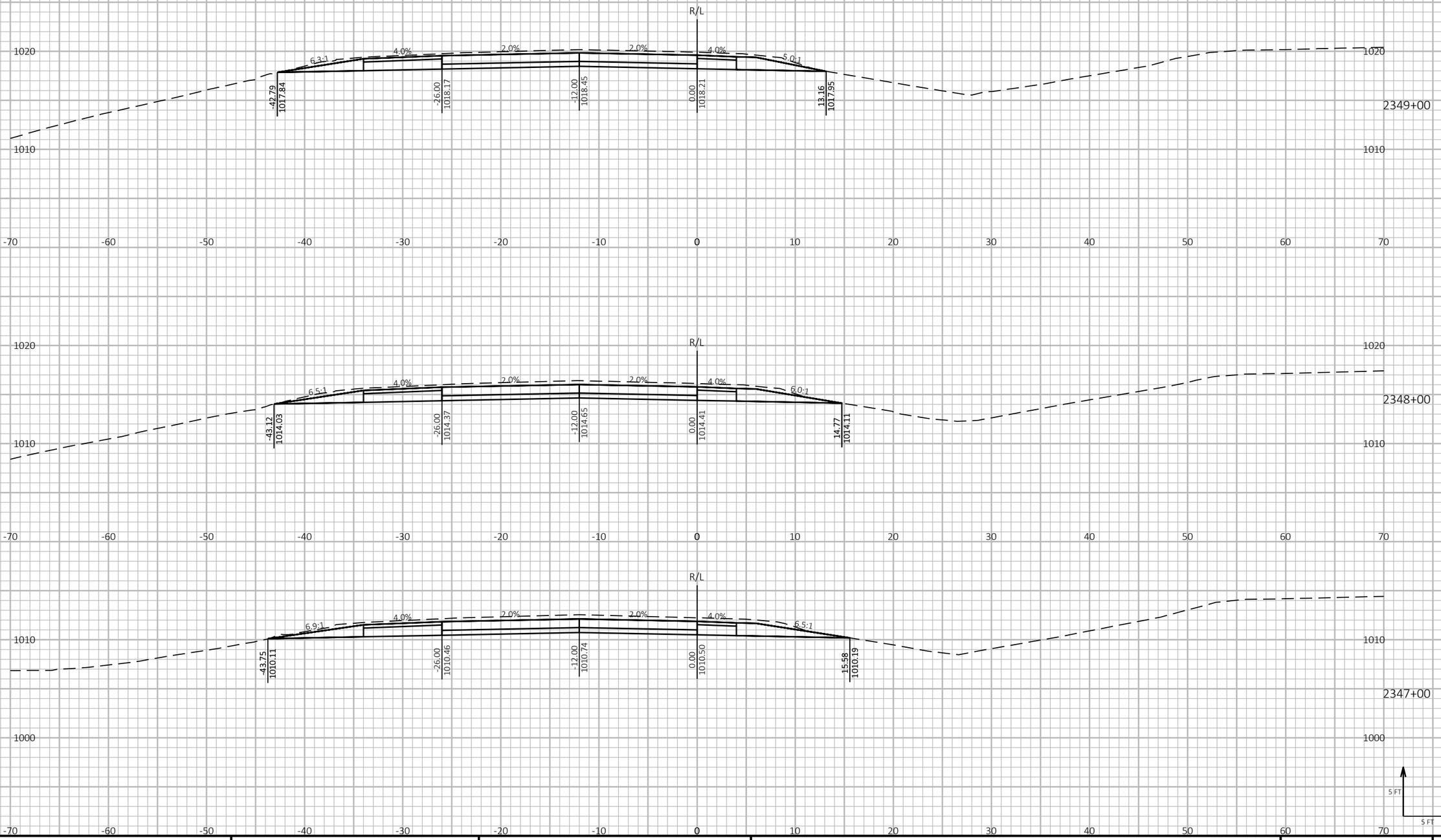
TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)

TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 951	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090210-XS.DWG
LAYOUT NAME - 29

PLOT DATE : 7/26/2023 1:09 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

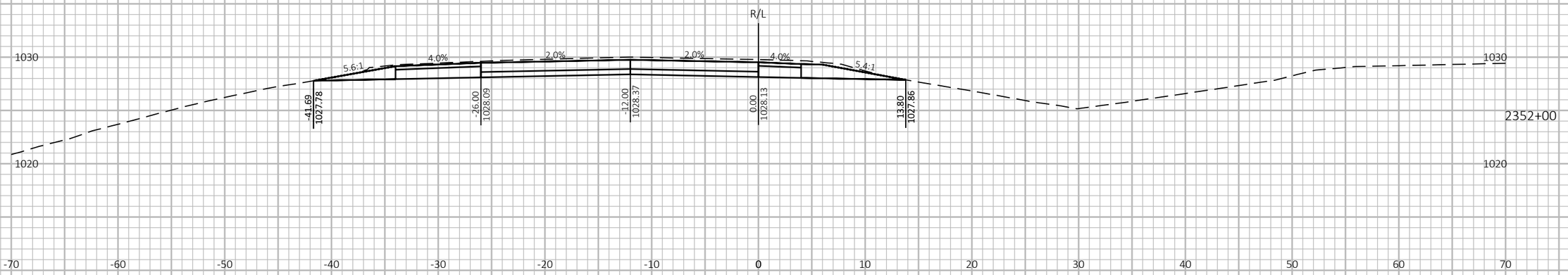
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

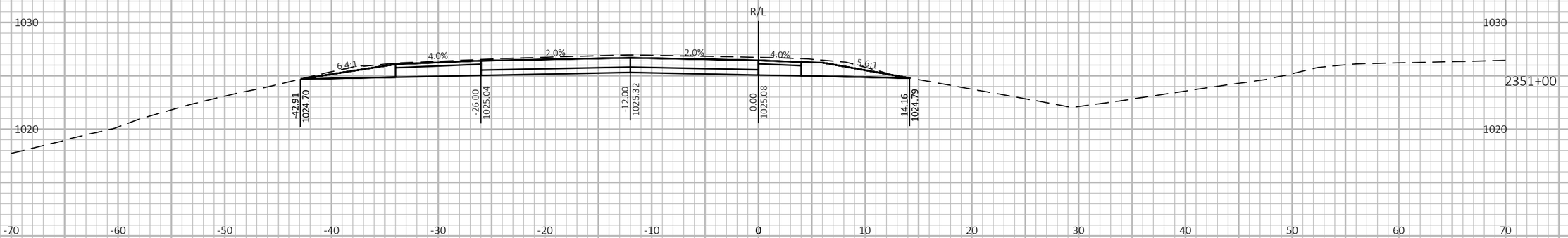
WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 952	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090210-XS.DWG
LAYOUT NAME - 30

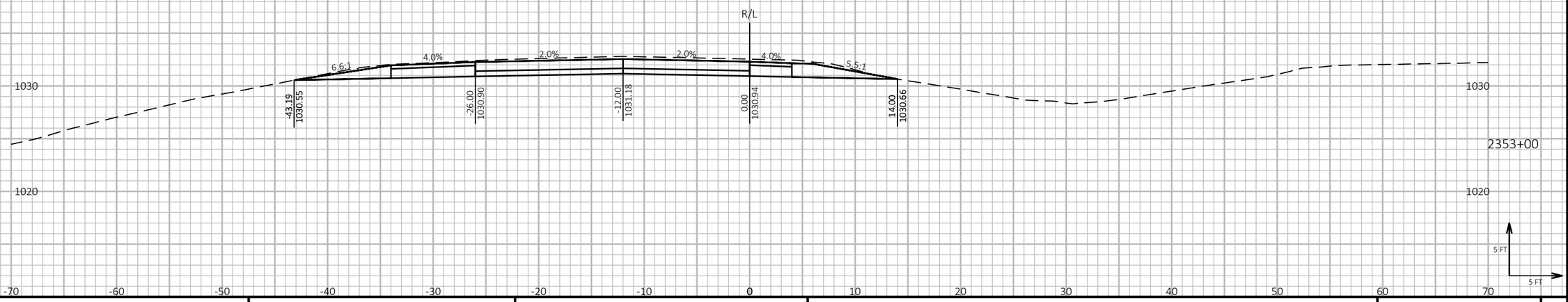
PLOT DATE : 7/26/2023 1:09 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 953	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090210-XS.DWG
LAYOUT NAME - 31

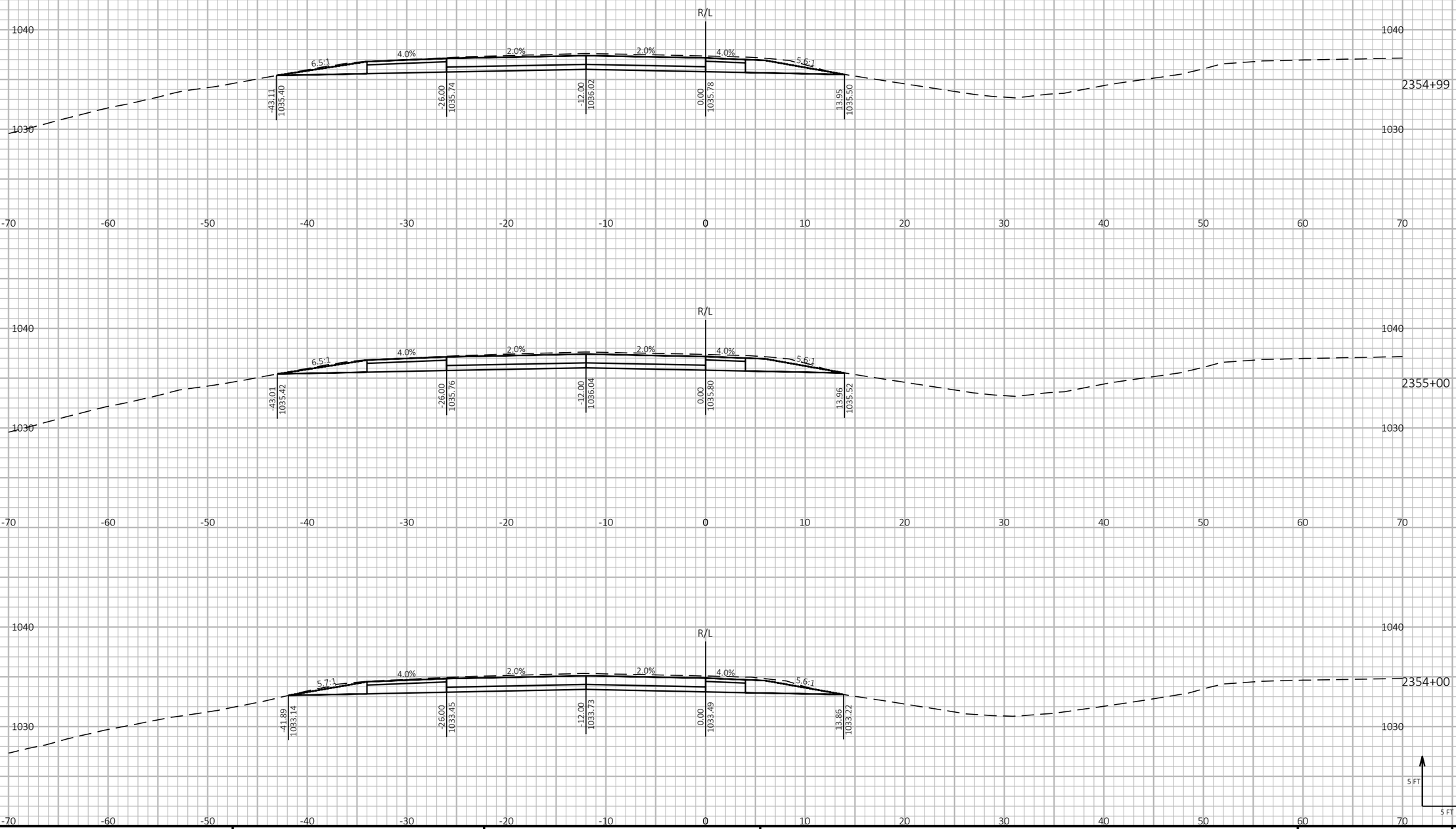
PLOT DATE : 7/26/2023 1:10 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 954	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 1:27 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 955	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/26/2023 1:27 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

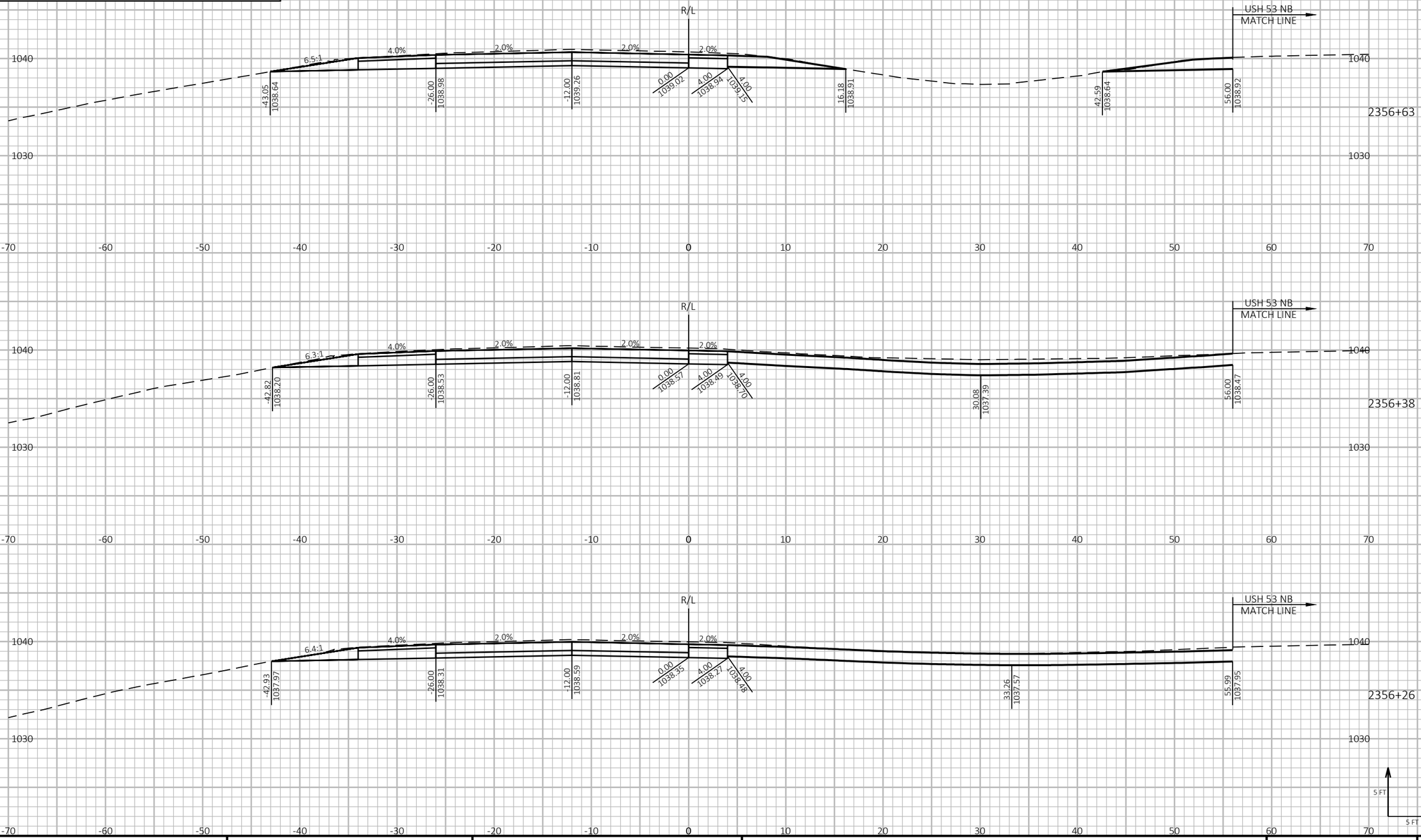
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 956	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/26/2023 1:27 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

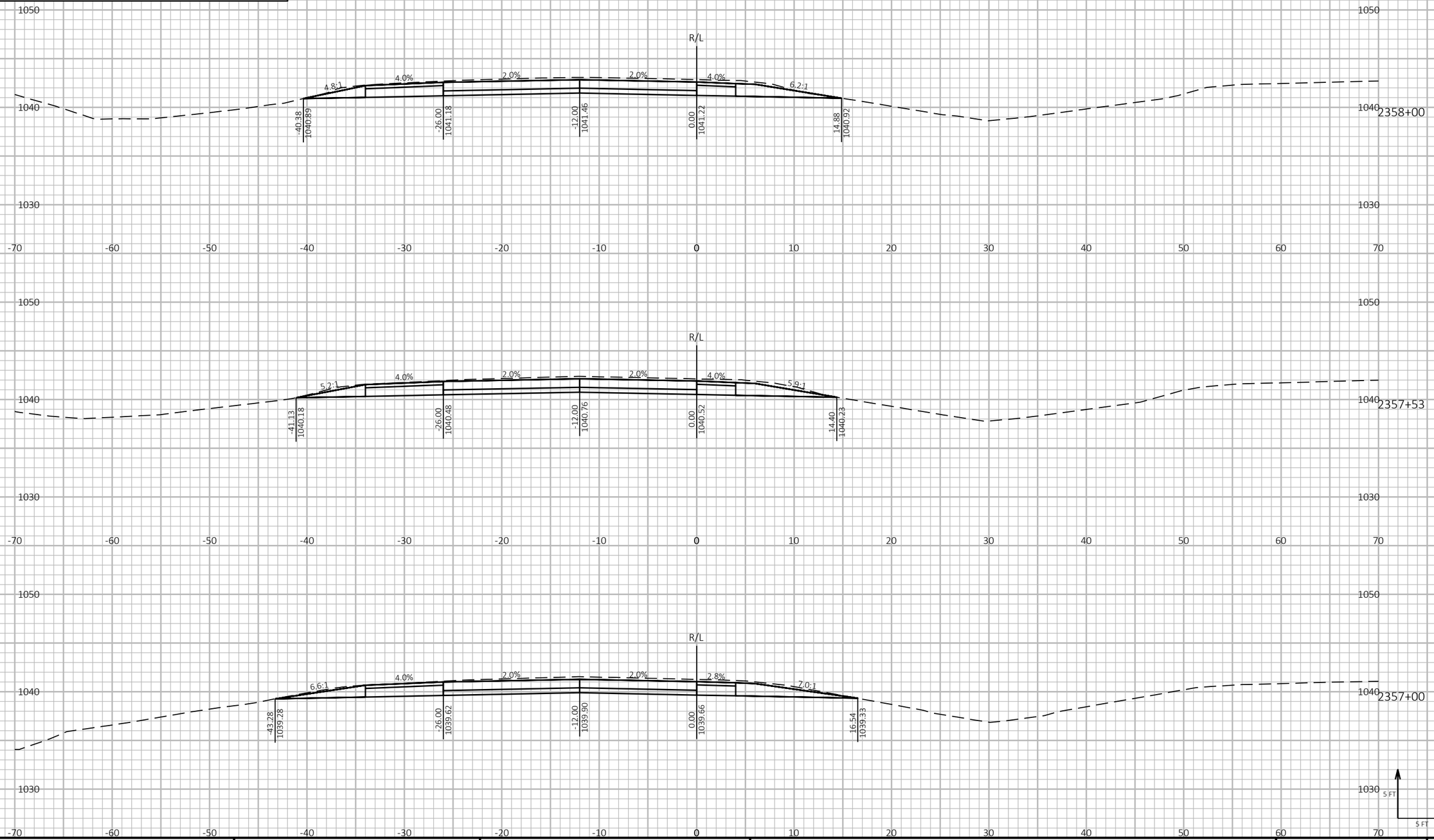
TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)

TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 957	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 04

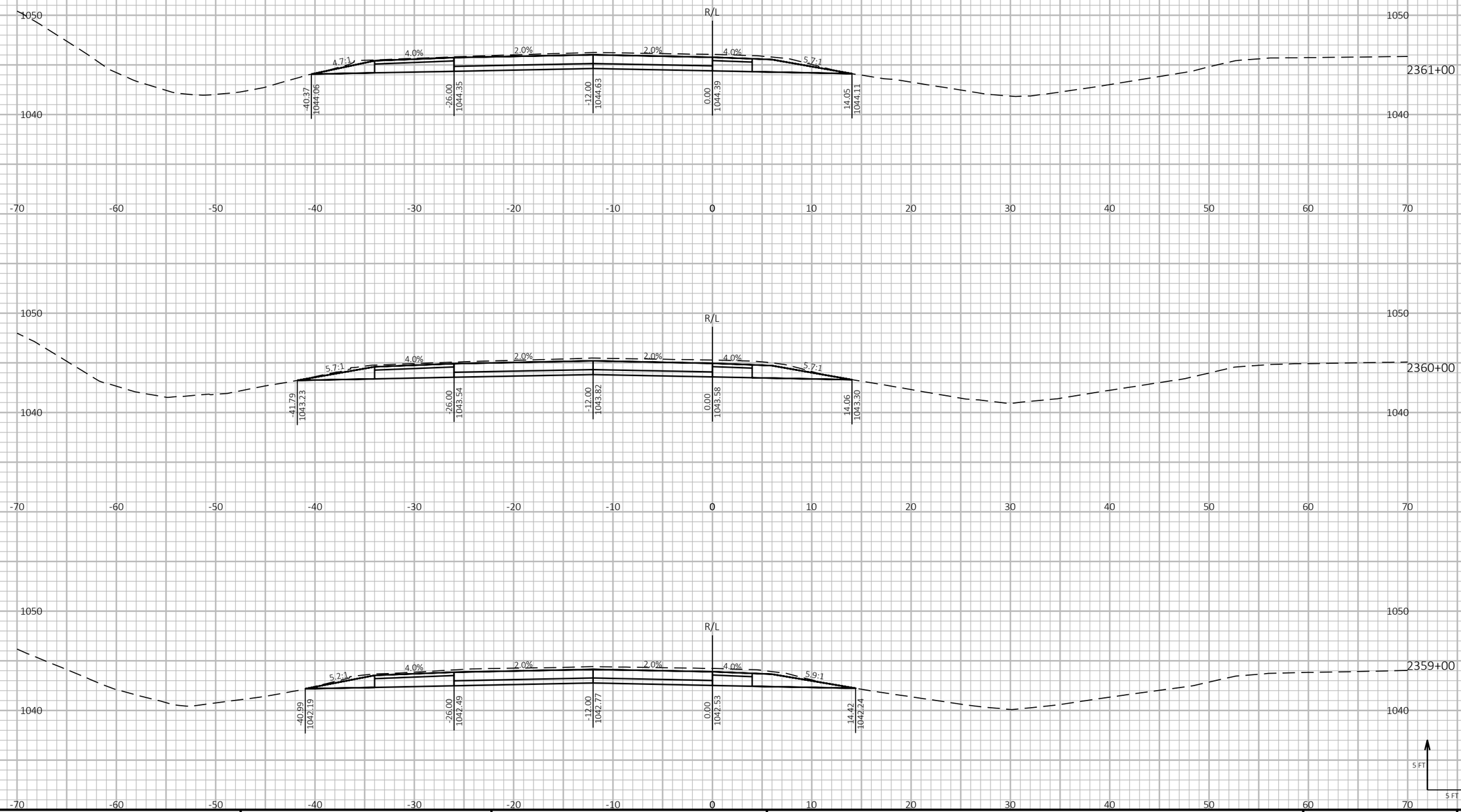
PLOT DATE : 7/26/2023 1:27 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 958	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 05

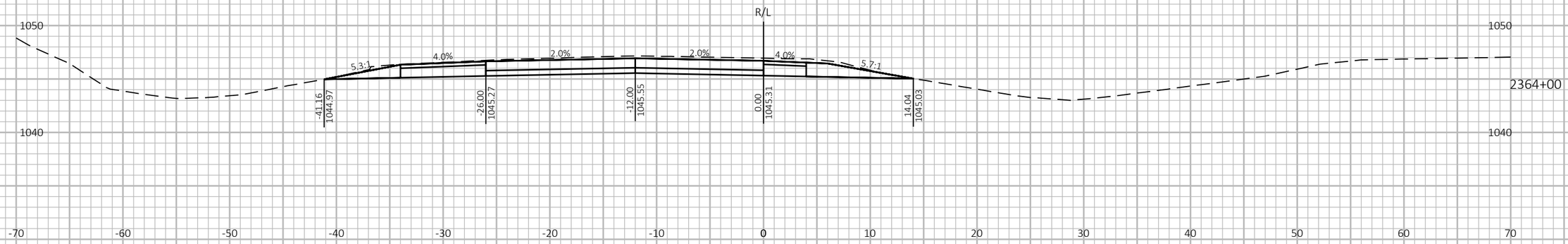
PLOT DATE : 7/26/2023 1:28 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 959	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 06

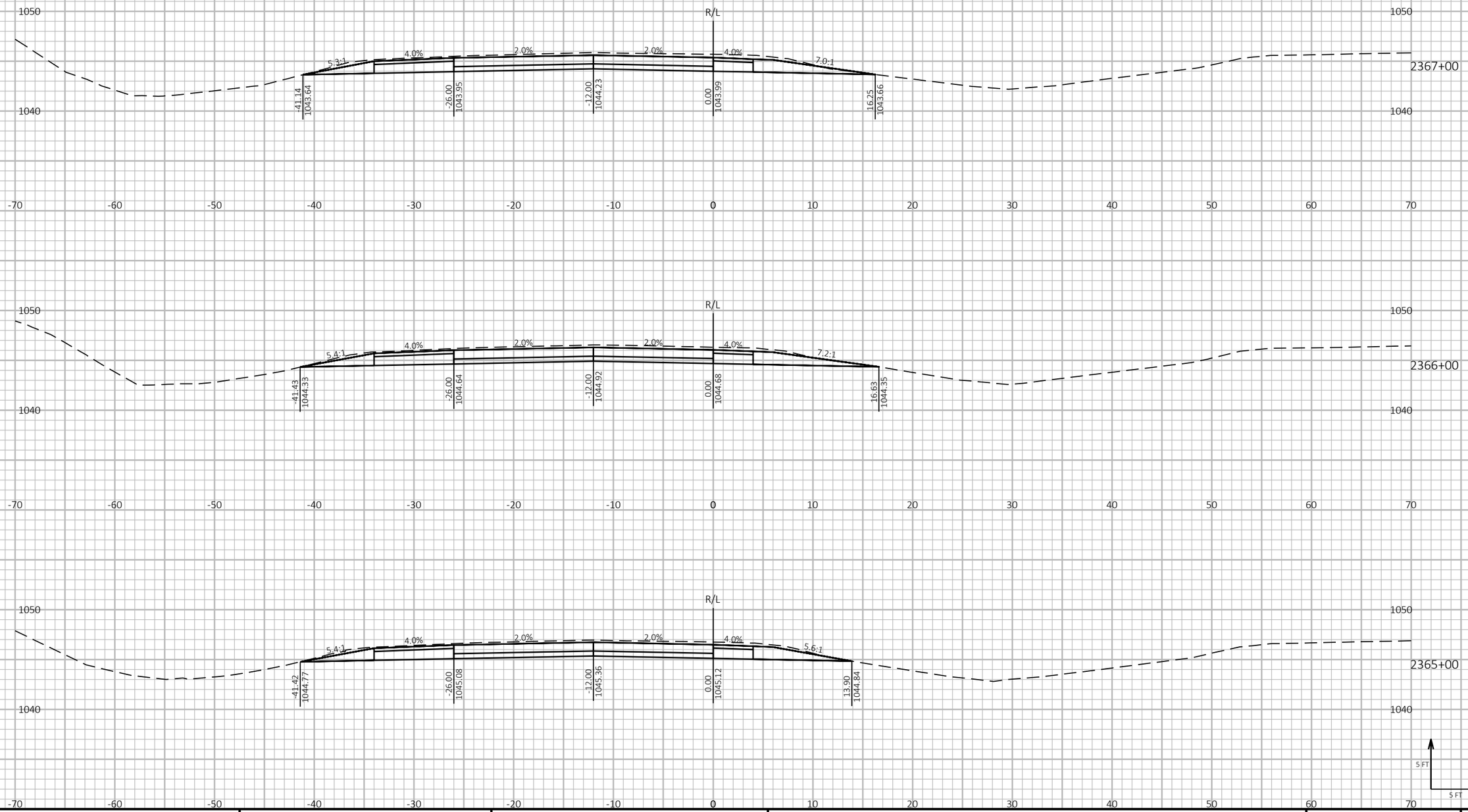
PLOT DATE : 7/26/2023 1:28 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 960	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 07

PLOT DATE : 7/26/2023 1:28 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

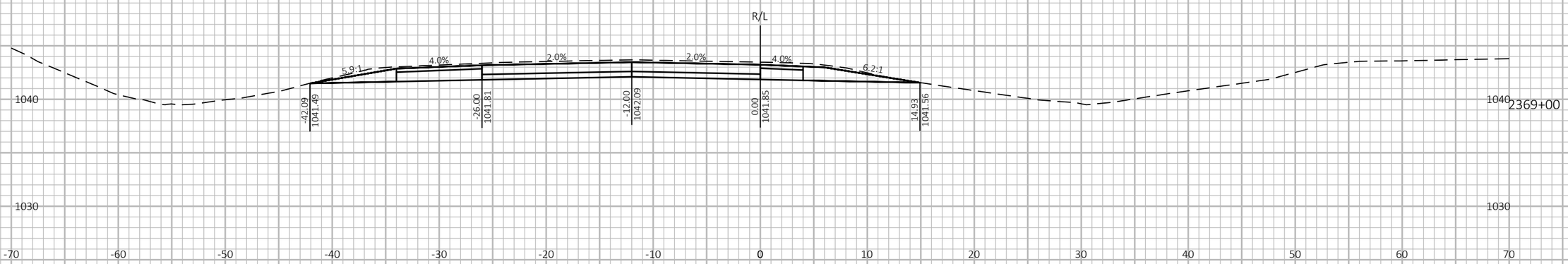
WISDOT/CADDS SHEET 49

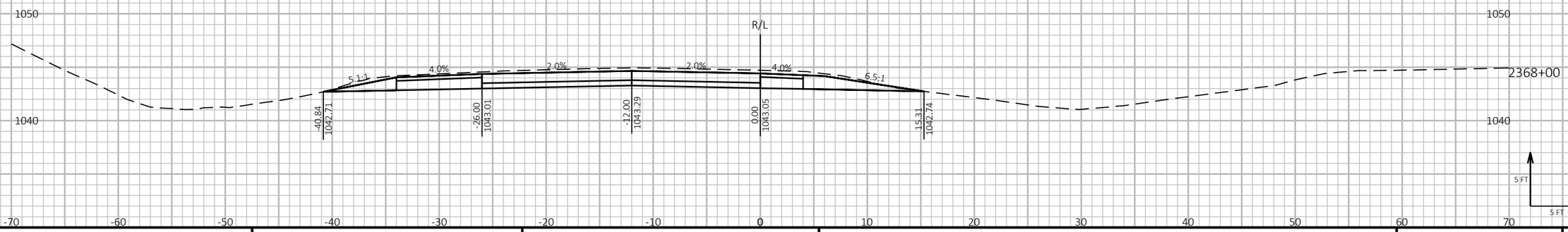
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 961 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 08

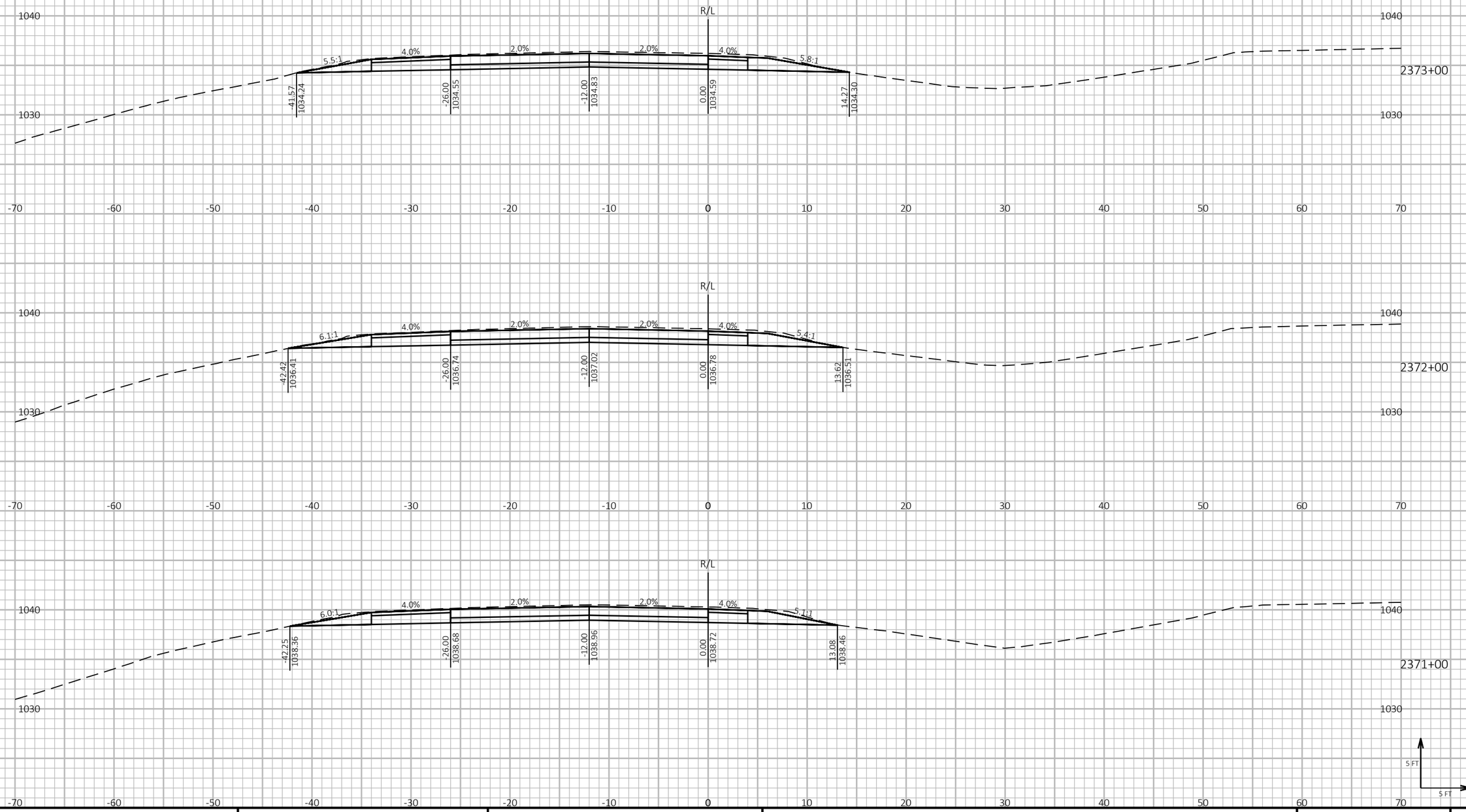
PLOT DATE : 7/26/2023 1:28 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 962	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 09

PLOT DATE : 7/26/2023 1:28 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

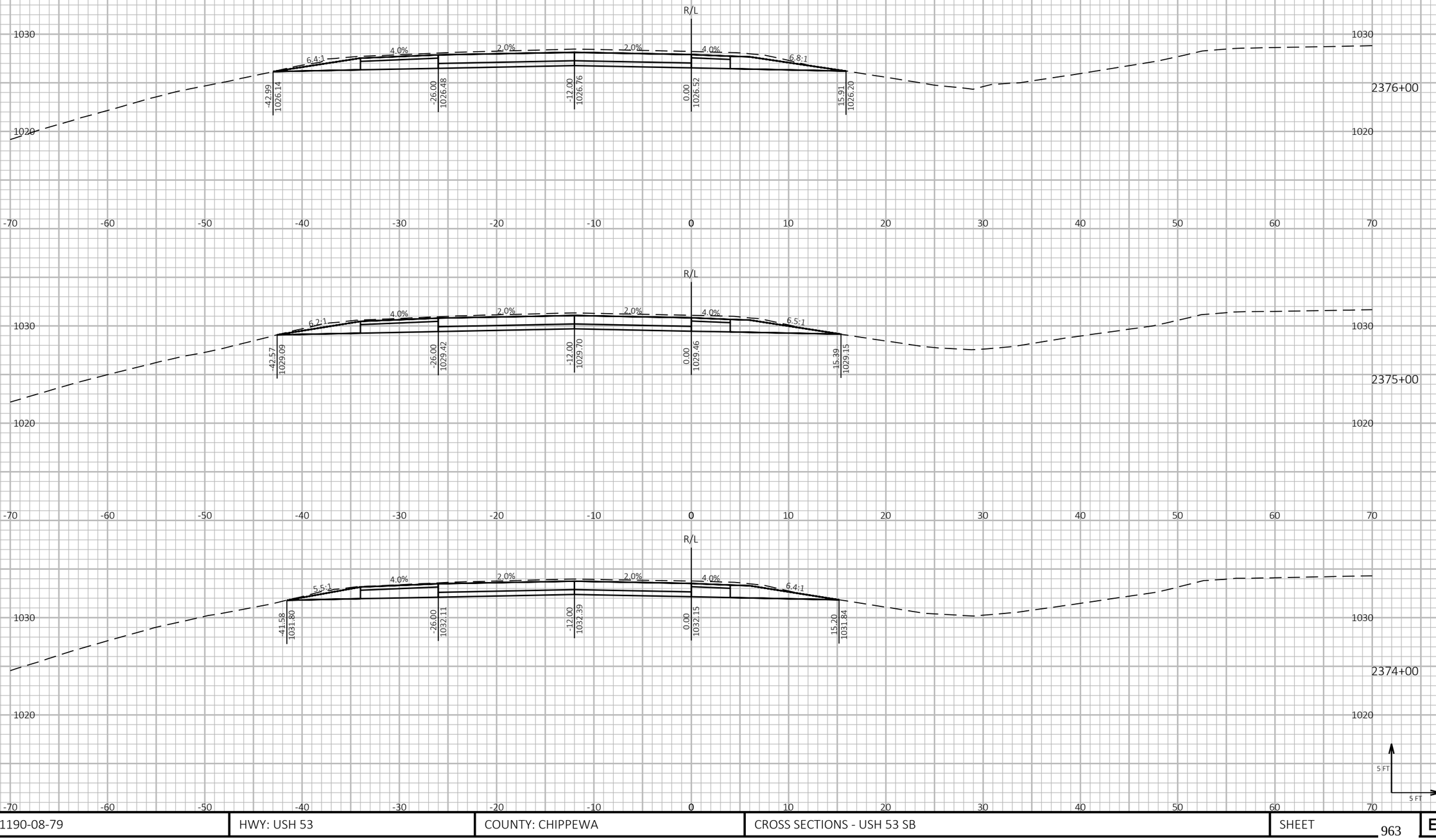
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 963	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 10

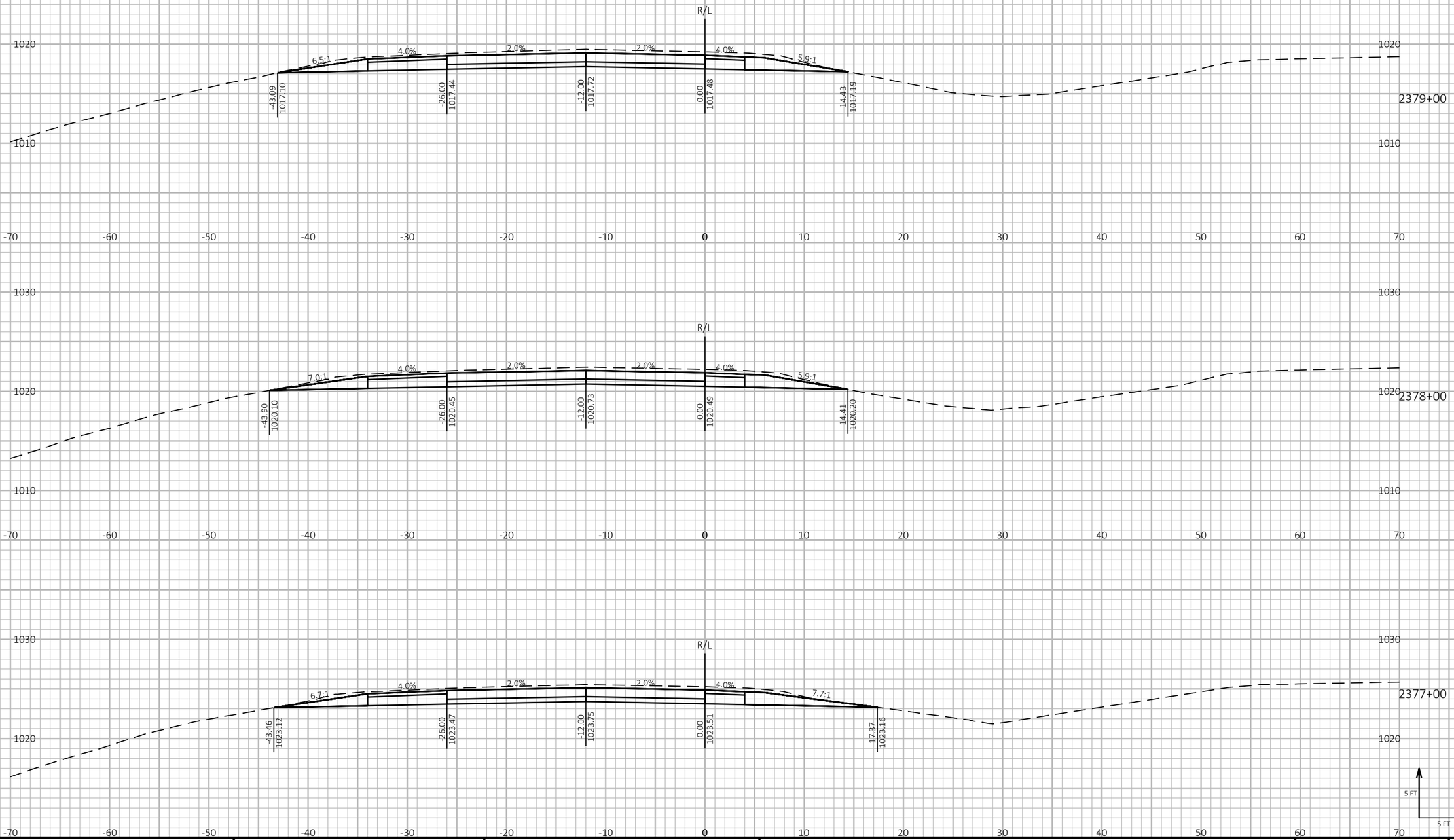
PLOT DATE : 7/26/2023 1:28 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 964	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 11

PLOT DATE : 7/26/2023 1:29 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

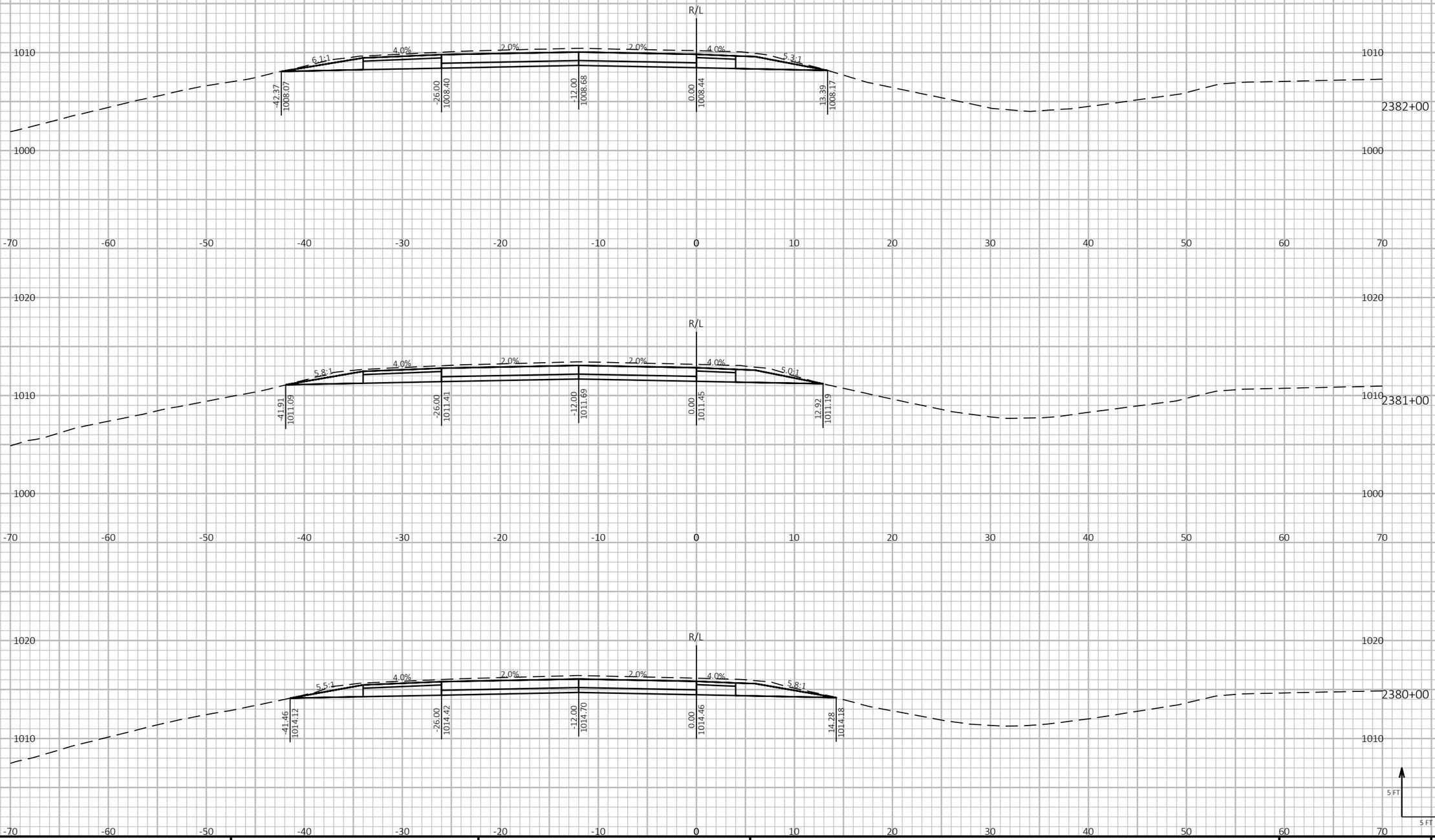
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 965	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 12

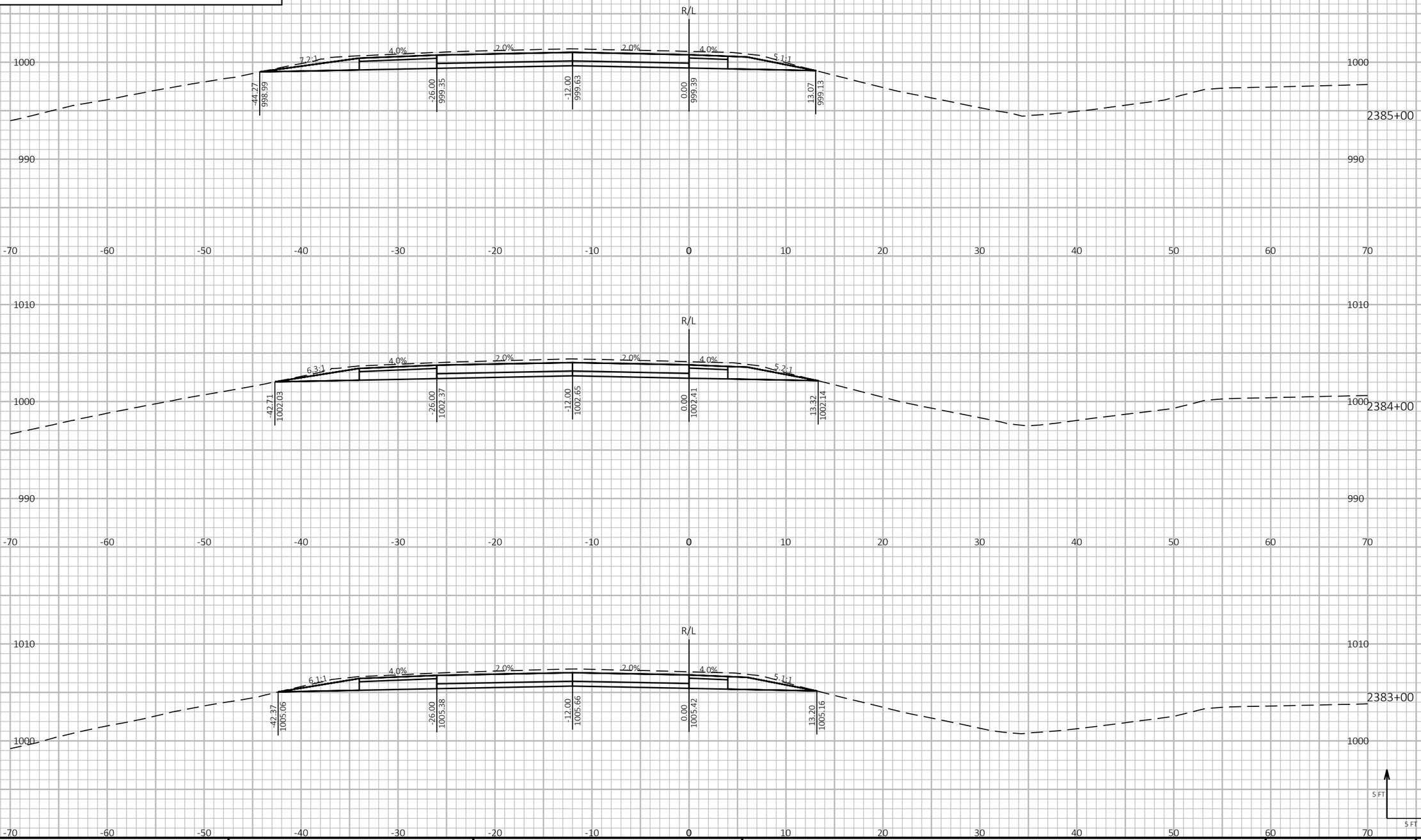
PLOT DATE : 7/26/2023 1:29 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 966	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 13

PLOT DATE : 7/26/2023 1:29 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

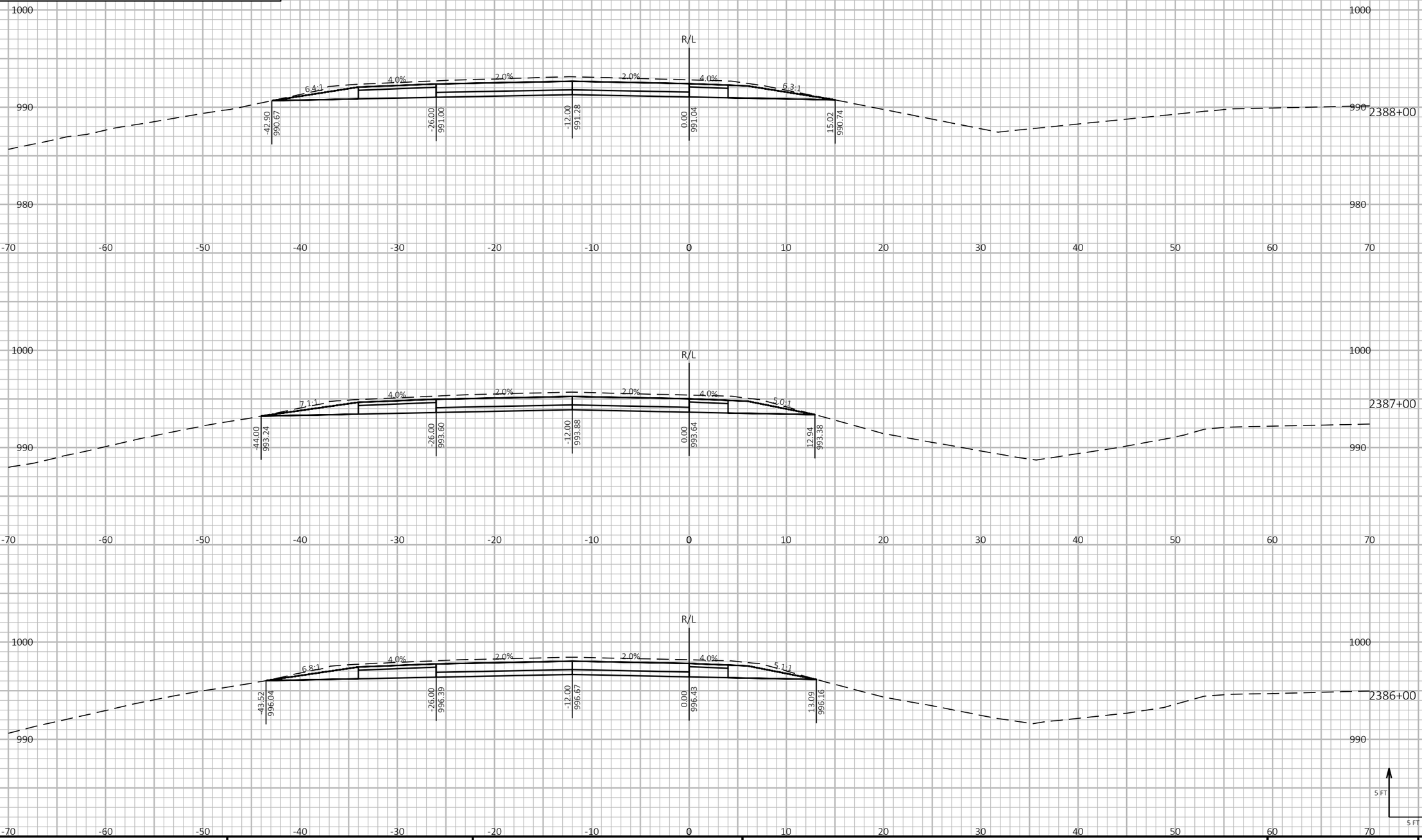
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 967	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 14

PLOT DATE : 7/26/2023 1:29 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

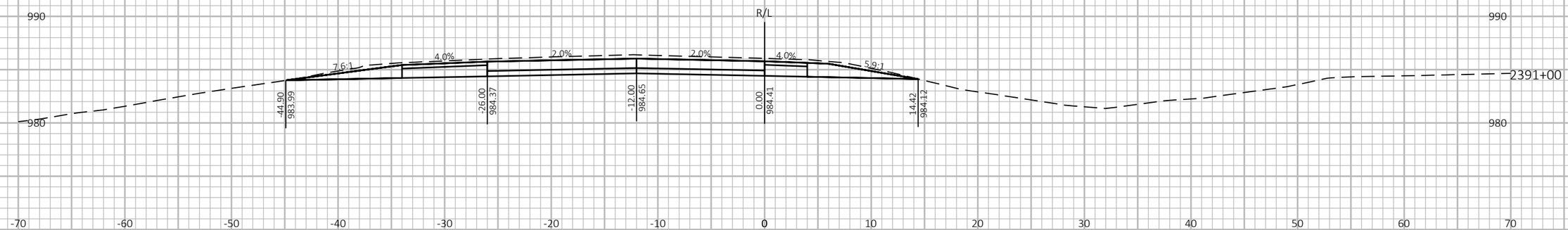
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

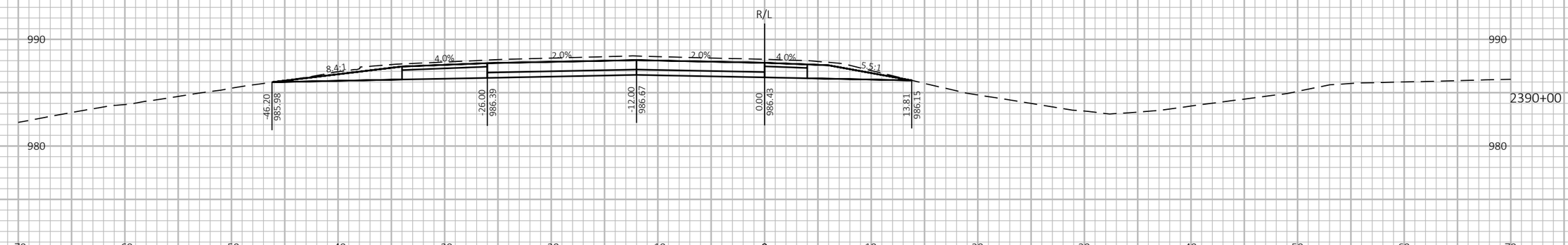
WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 968	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 15

PLOT DATE : 7/26/2023 1:29 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

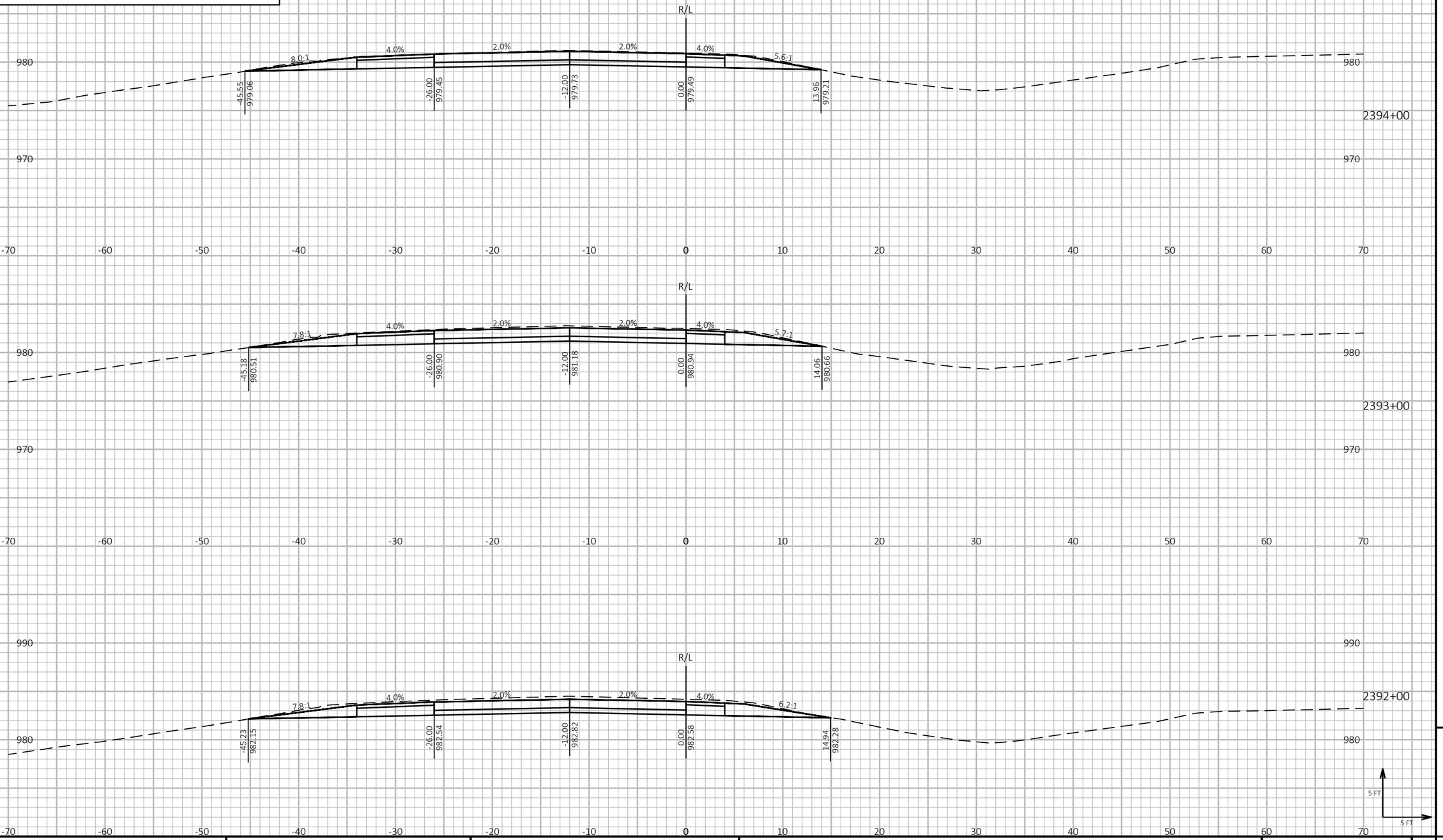
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 969	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 16

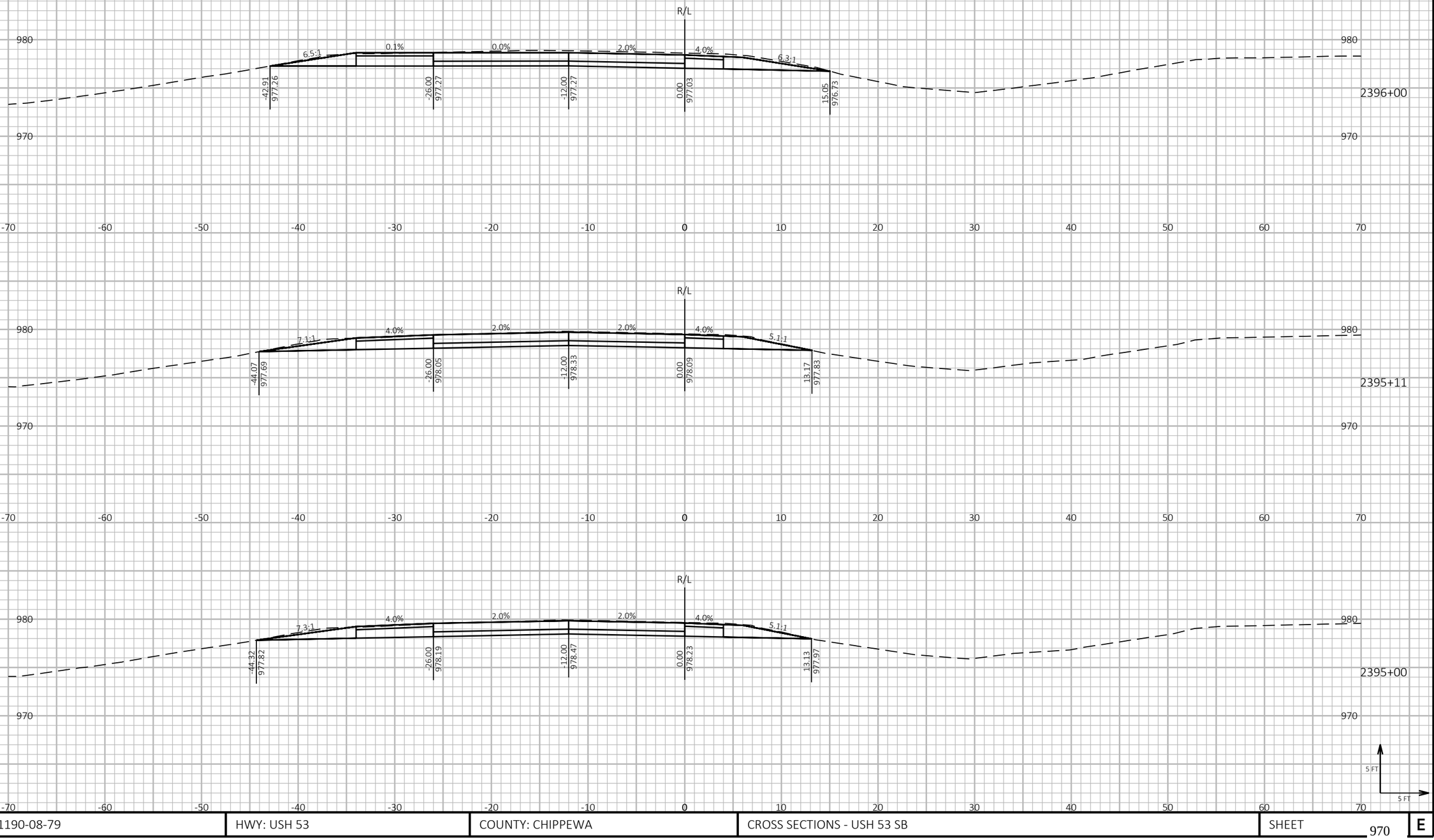
PLOT DATE : 7/26/2023 1:29 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 970	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 17

PLOT DATE : 7/26/2023 1:30 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

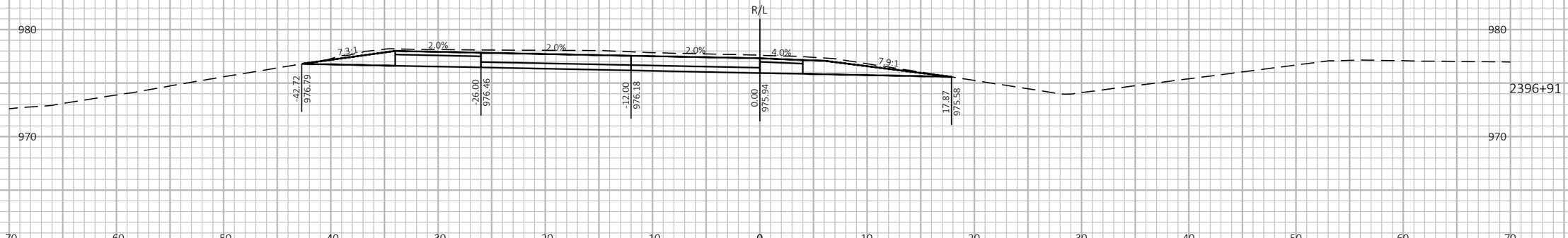
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



2397+00



2396+91



2396+01

9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 971	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 18

PLOT DATE : 7/26/2023 1:30 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

LEGEND

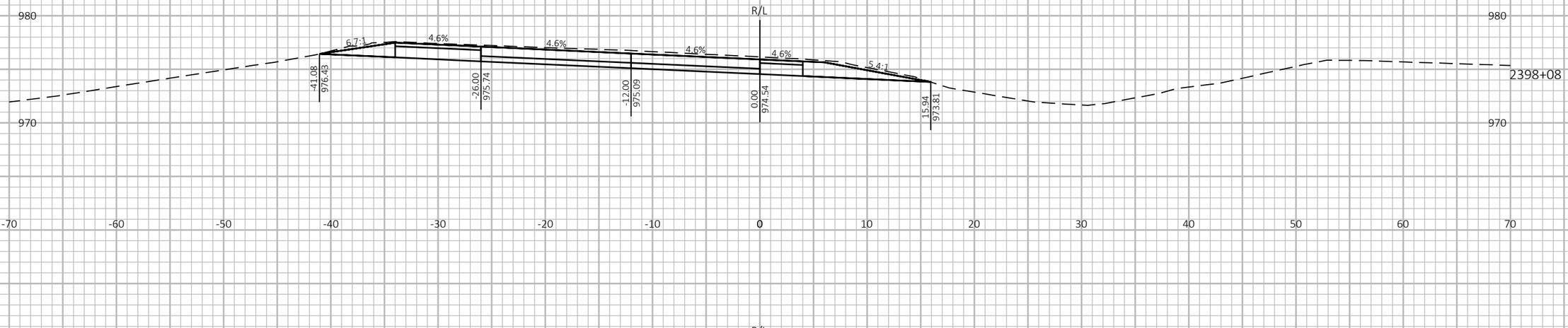
TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)

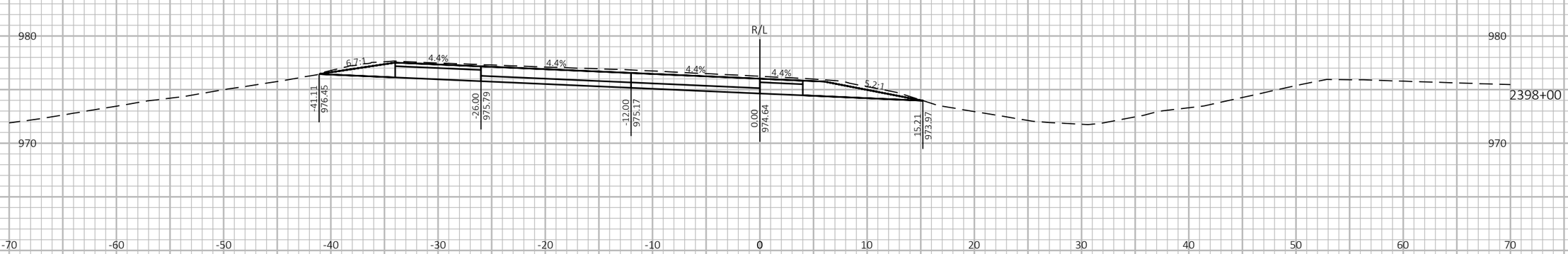
TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND

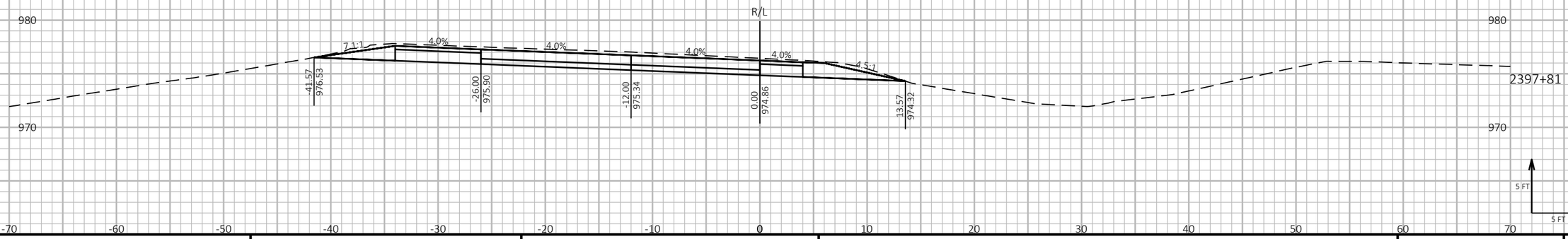
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 972	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 19

PLOT DATE : 7/26/2023 1:30 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

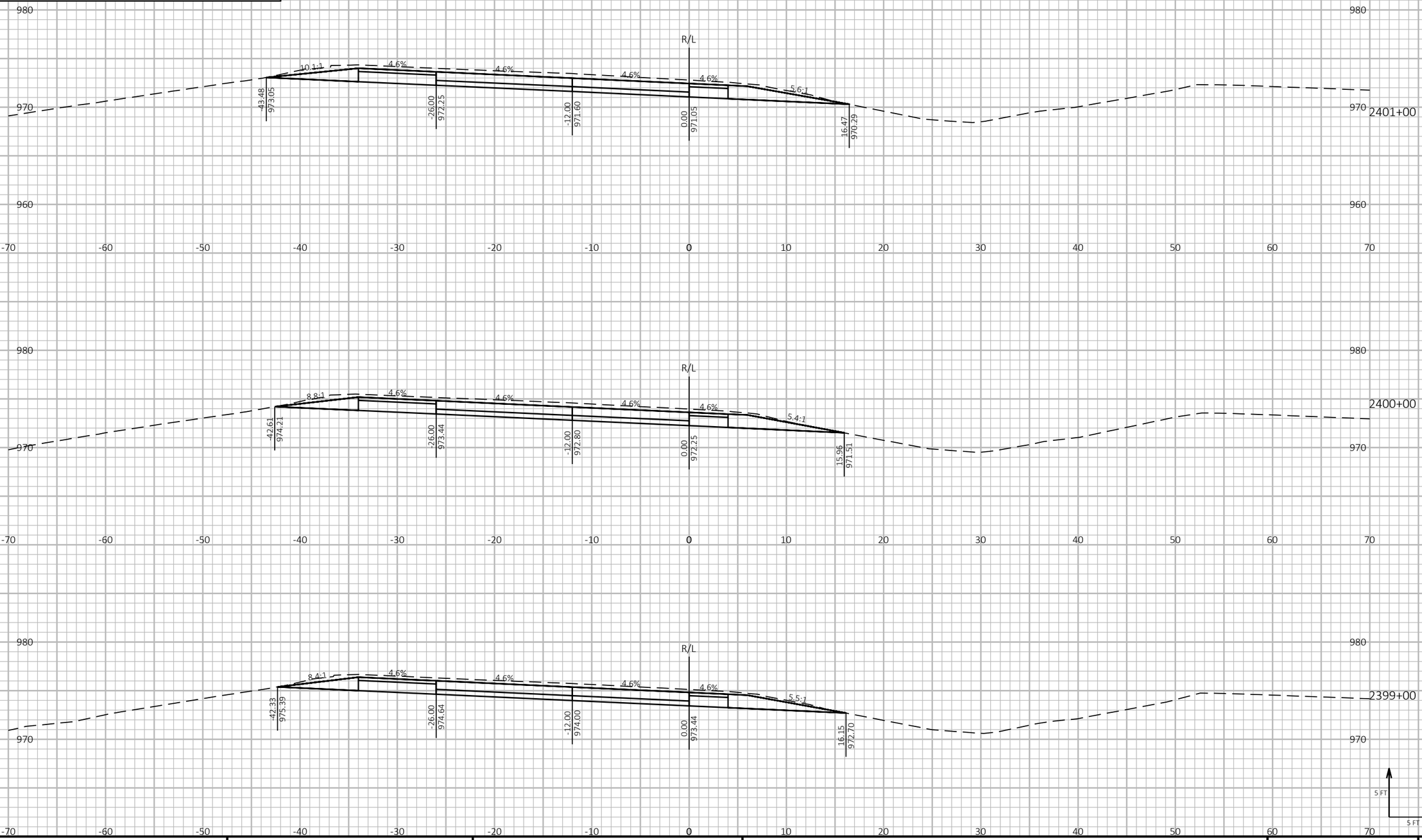
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 973	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 20

PLOT DATE : 7/26/2023 1:30 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

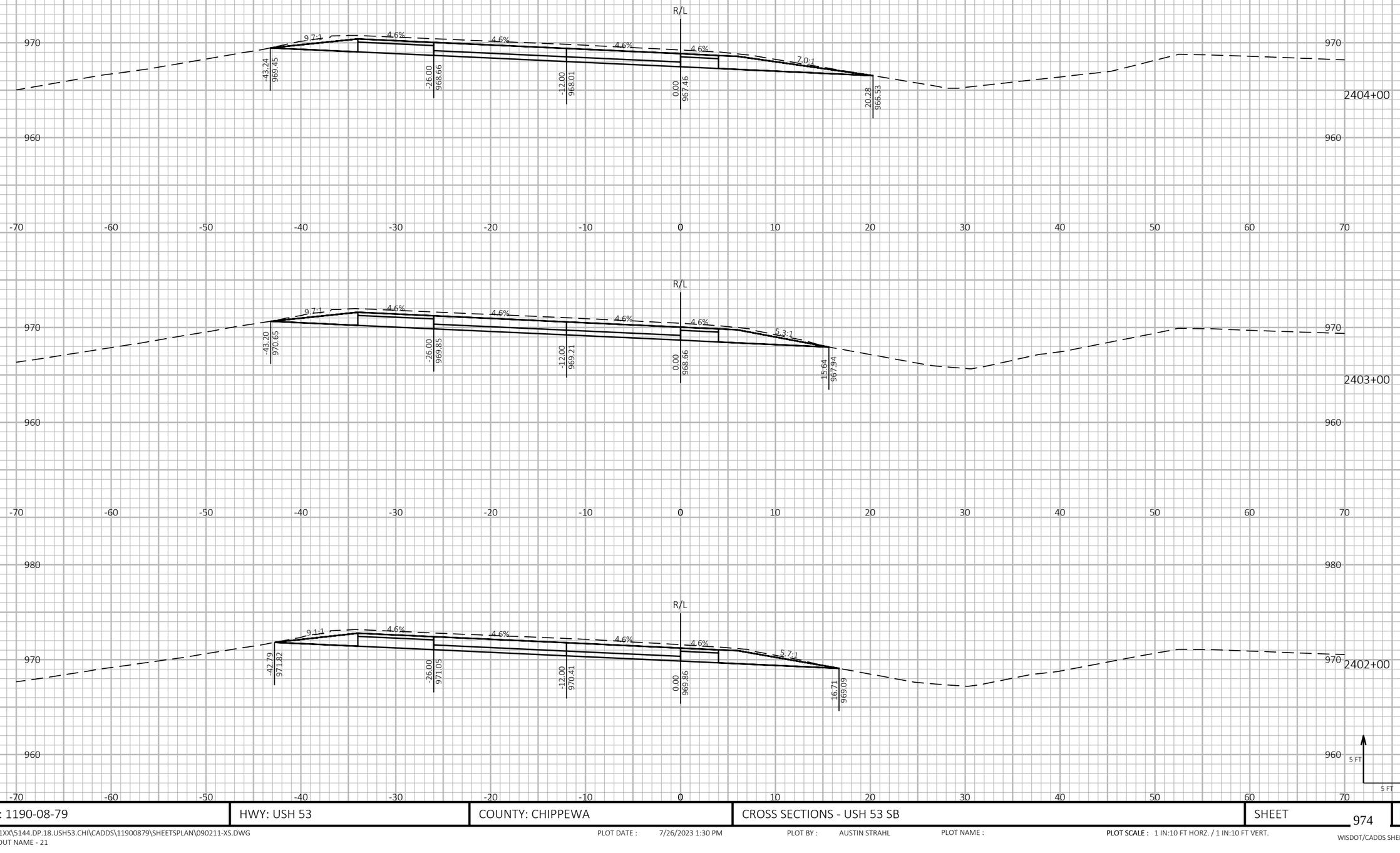
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 974	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 21

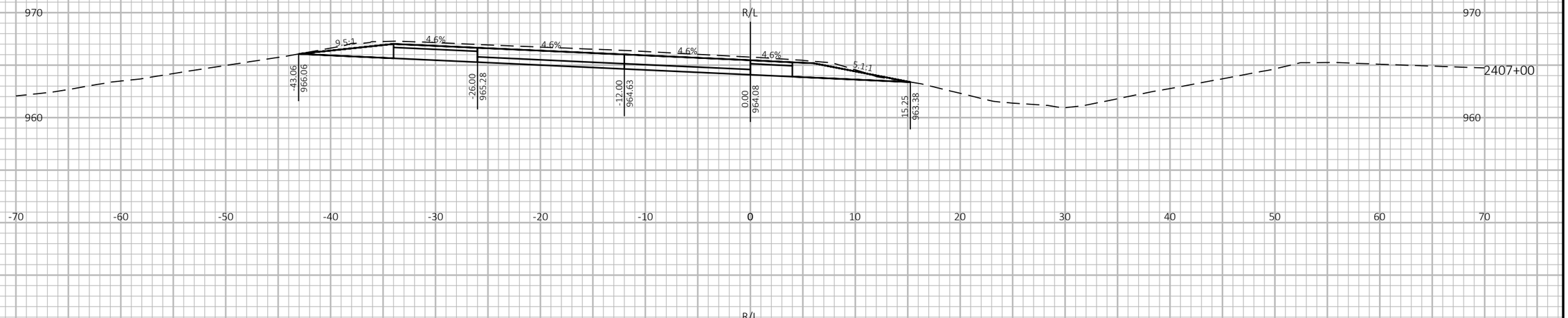
PLOT DATE : 7/26/2023 1:30 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

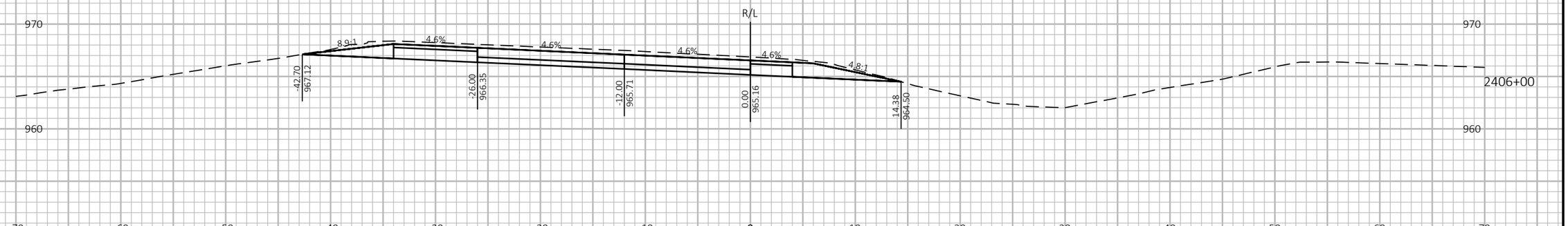
WISDOT/CADDS SHEET 49

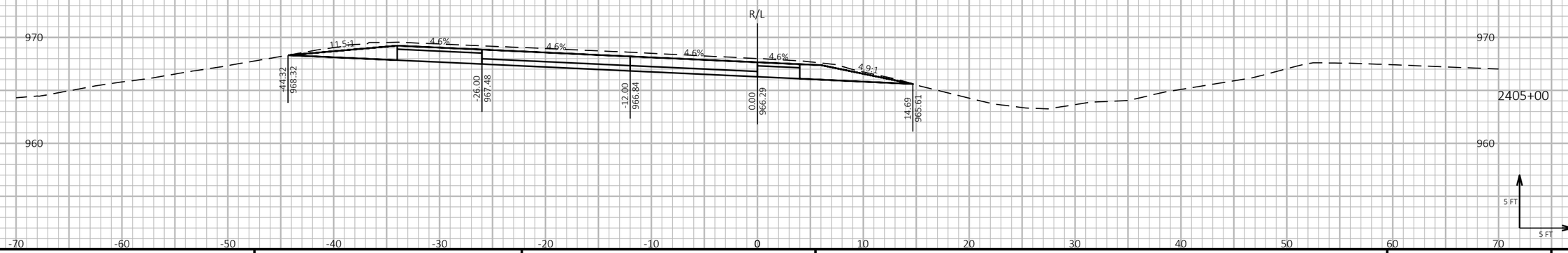
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 975	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 22

PLOT DATE : 7/26/2023 1:30 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

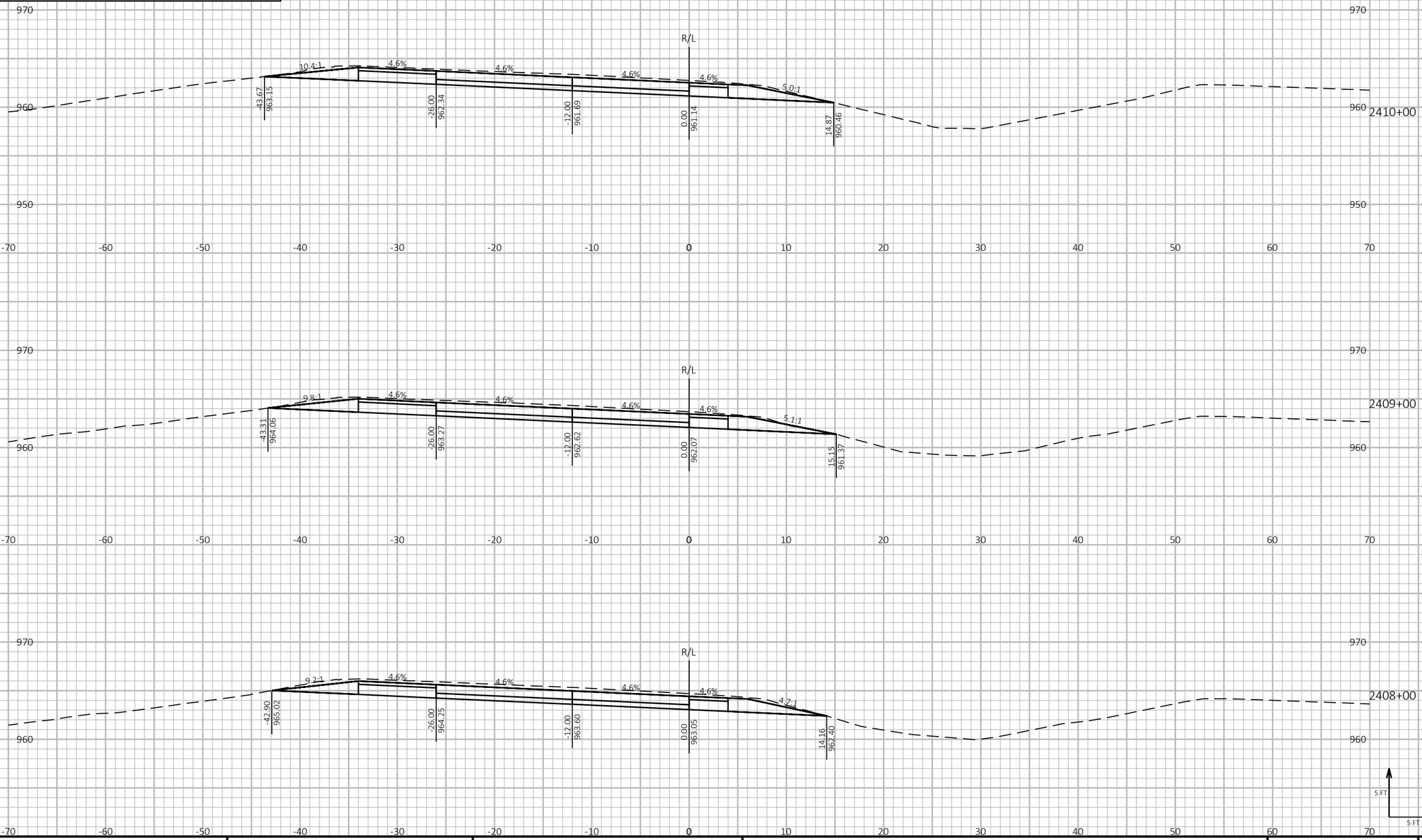
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 976	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 23

PLOT DATE : 7/26/2023 1:31 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

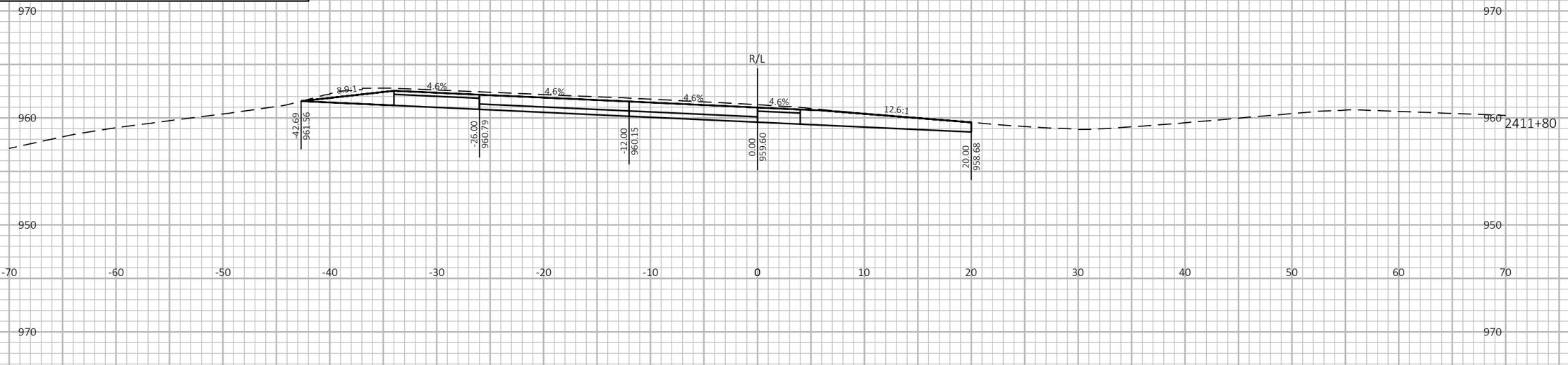
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

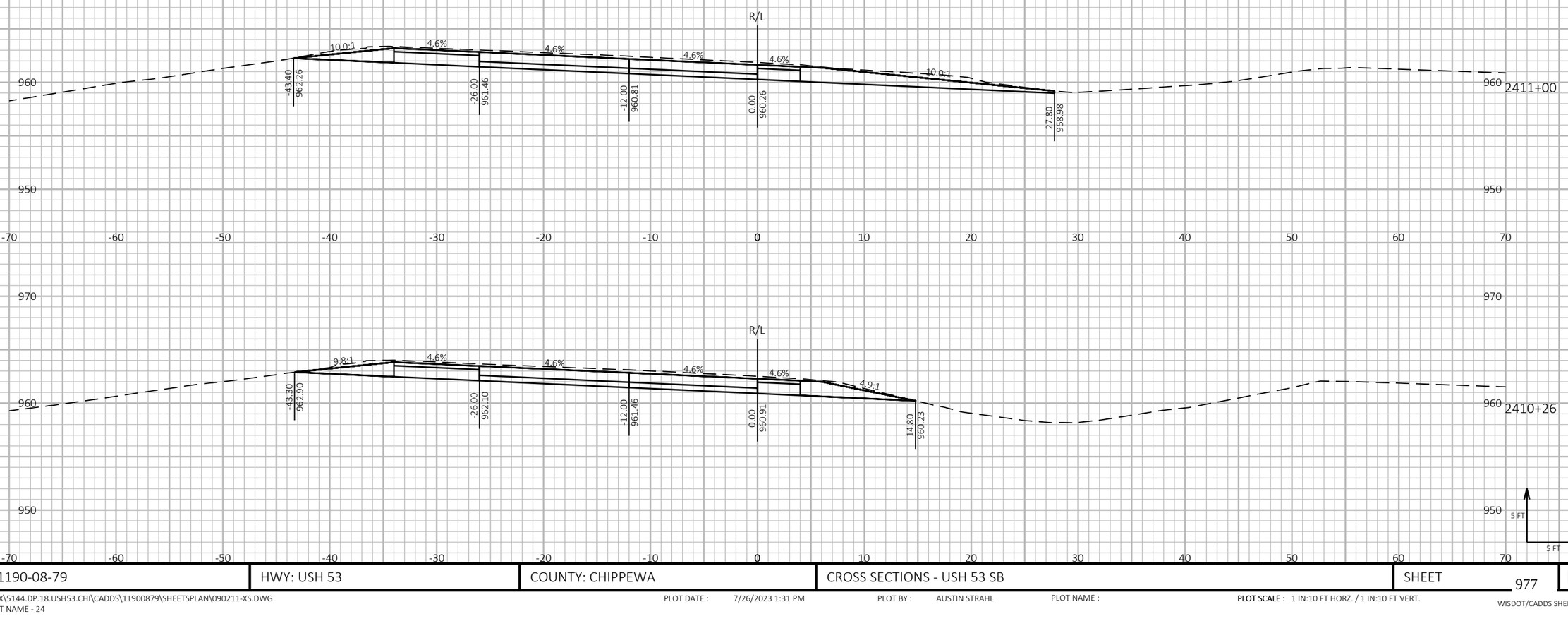
WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT





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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 977	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 24

PLOT DATE : 7/26/2023 1:31 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

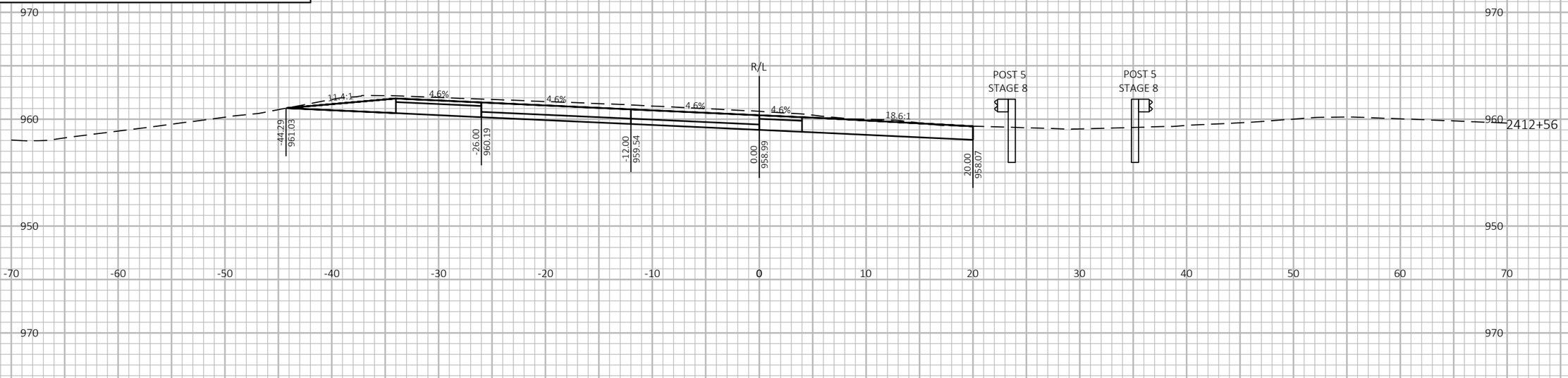
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

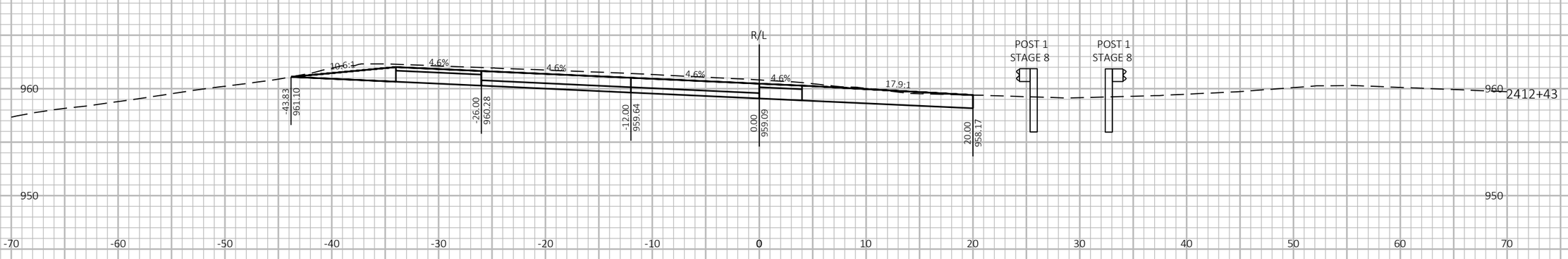
WISDOT/CADDS SHEET 49

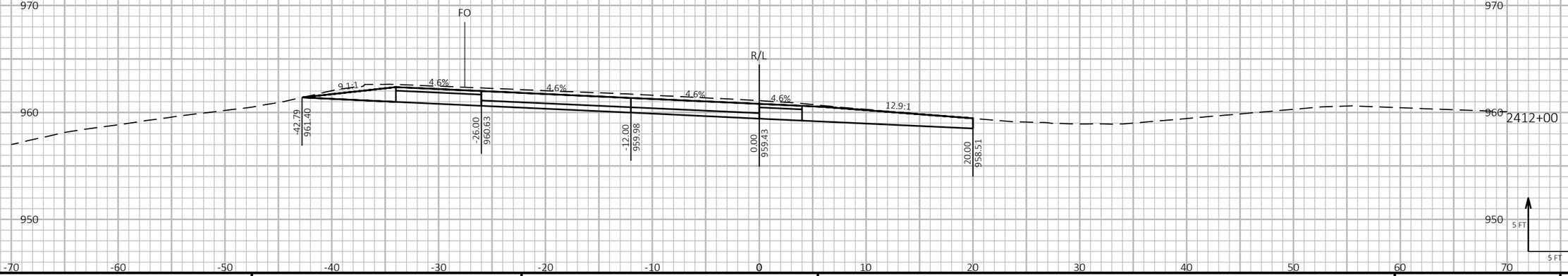
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 978	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 25

PLOT DATE : 7/26/2023 1:31 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

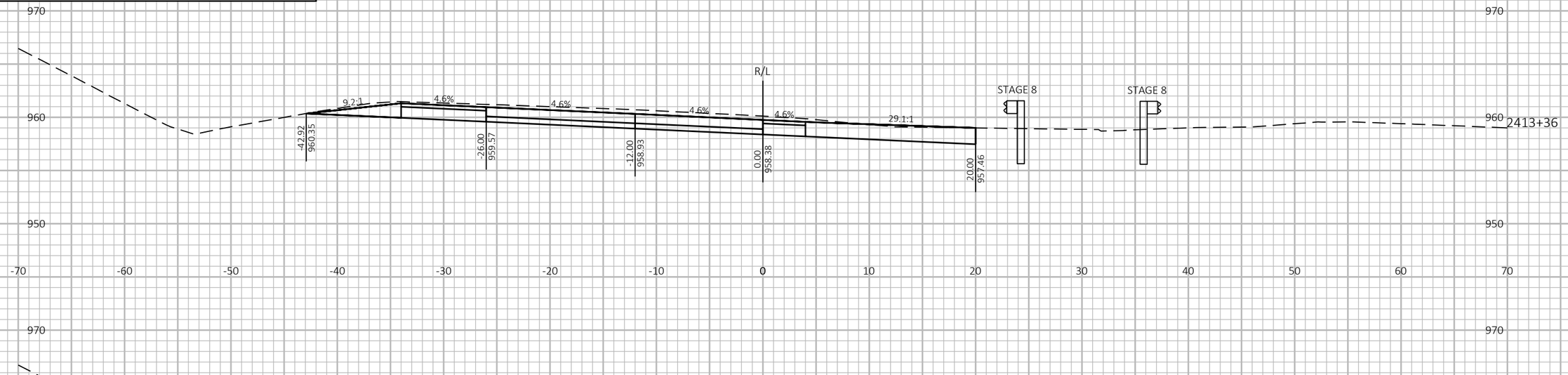
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

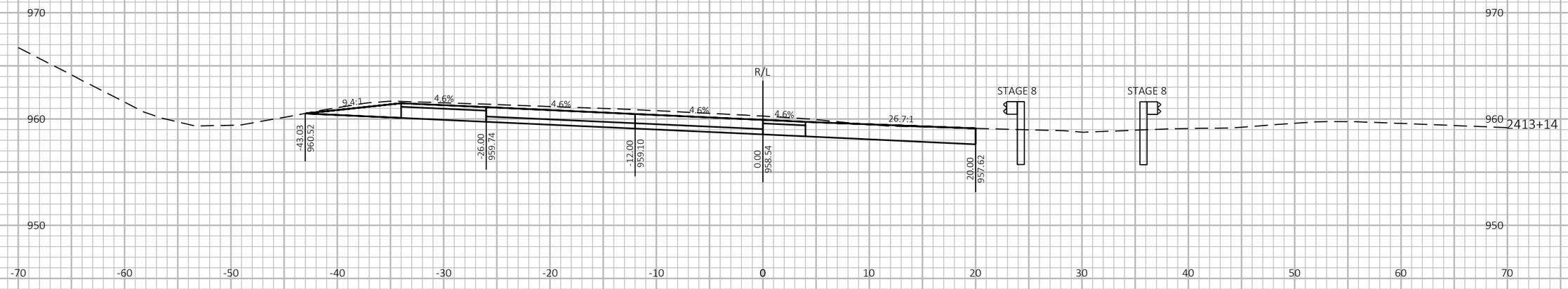
WISDOT/CADDS SHEET 49

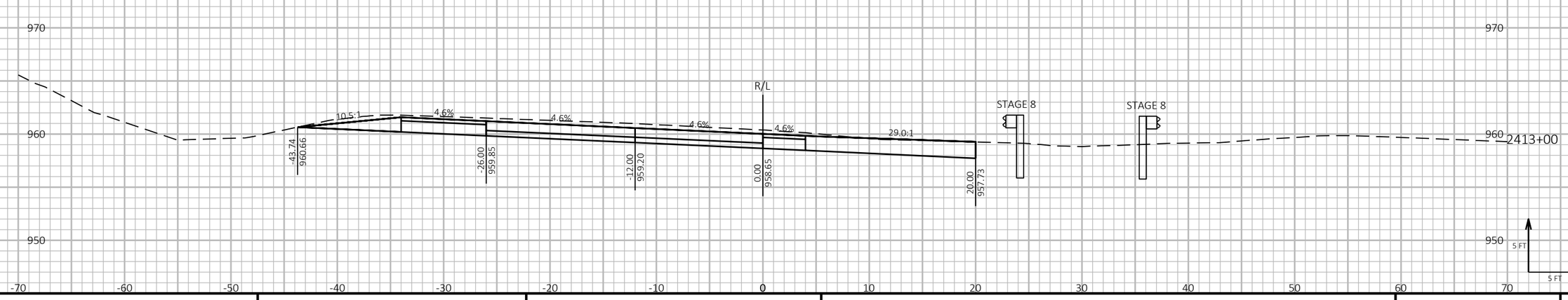
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 979	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 26

PLOT DATE : 7/26/2023 1:31 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

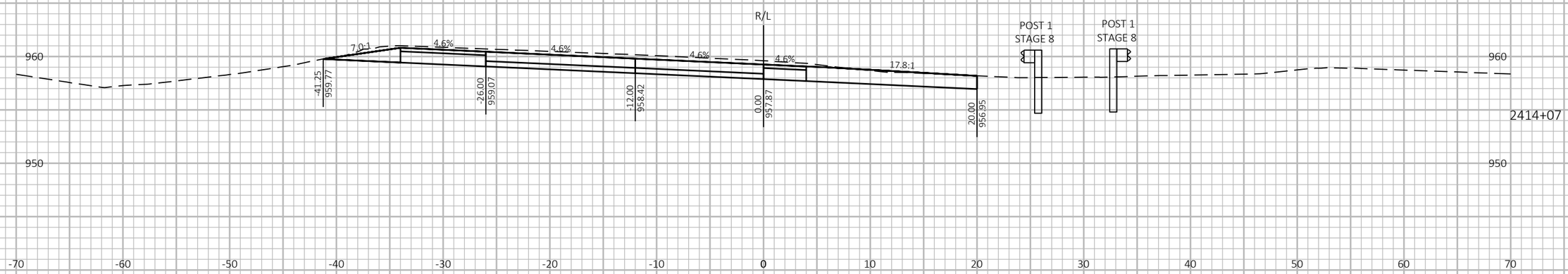
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

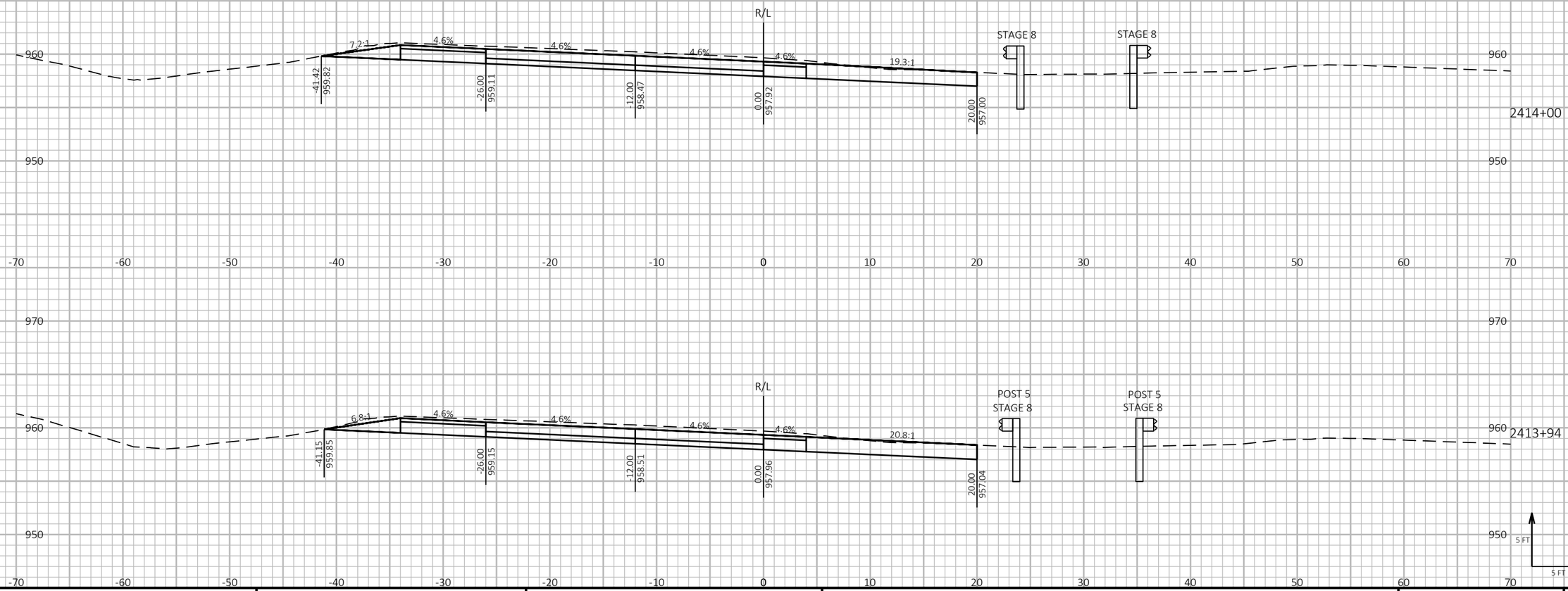
WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT





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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 980	E

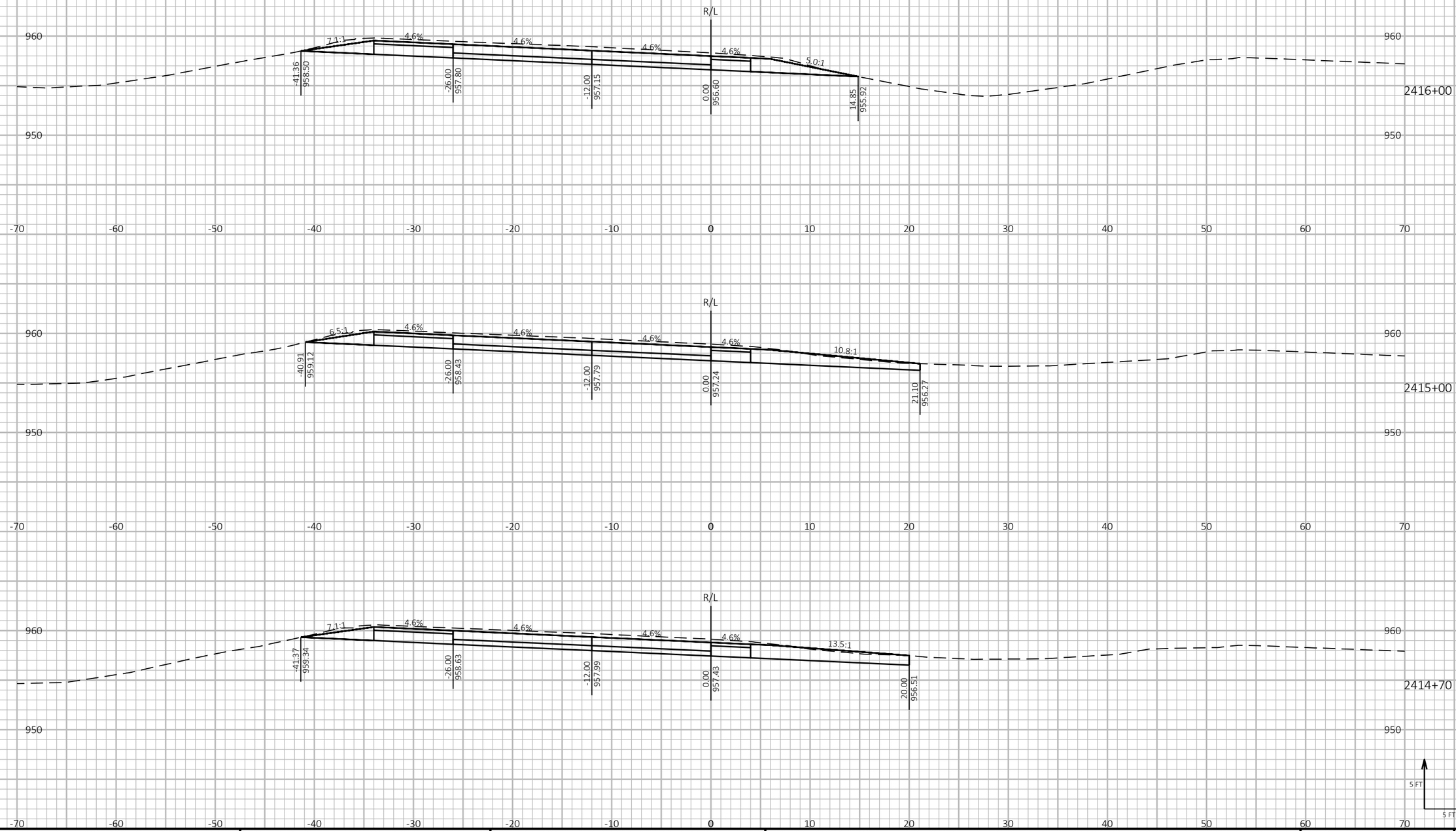
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 27

PLOT DATE : 7/26/2023 1:31 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 981	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 28

PLOT DATE : 7/26/2023 1:31 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

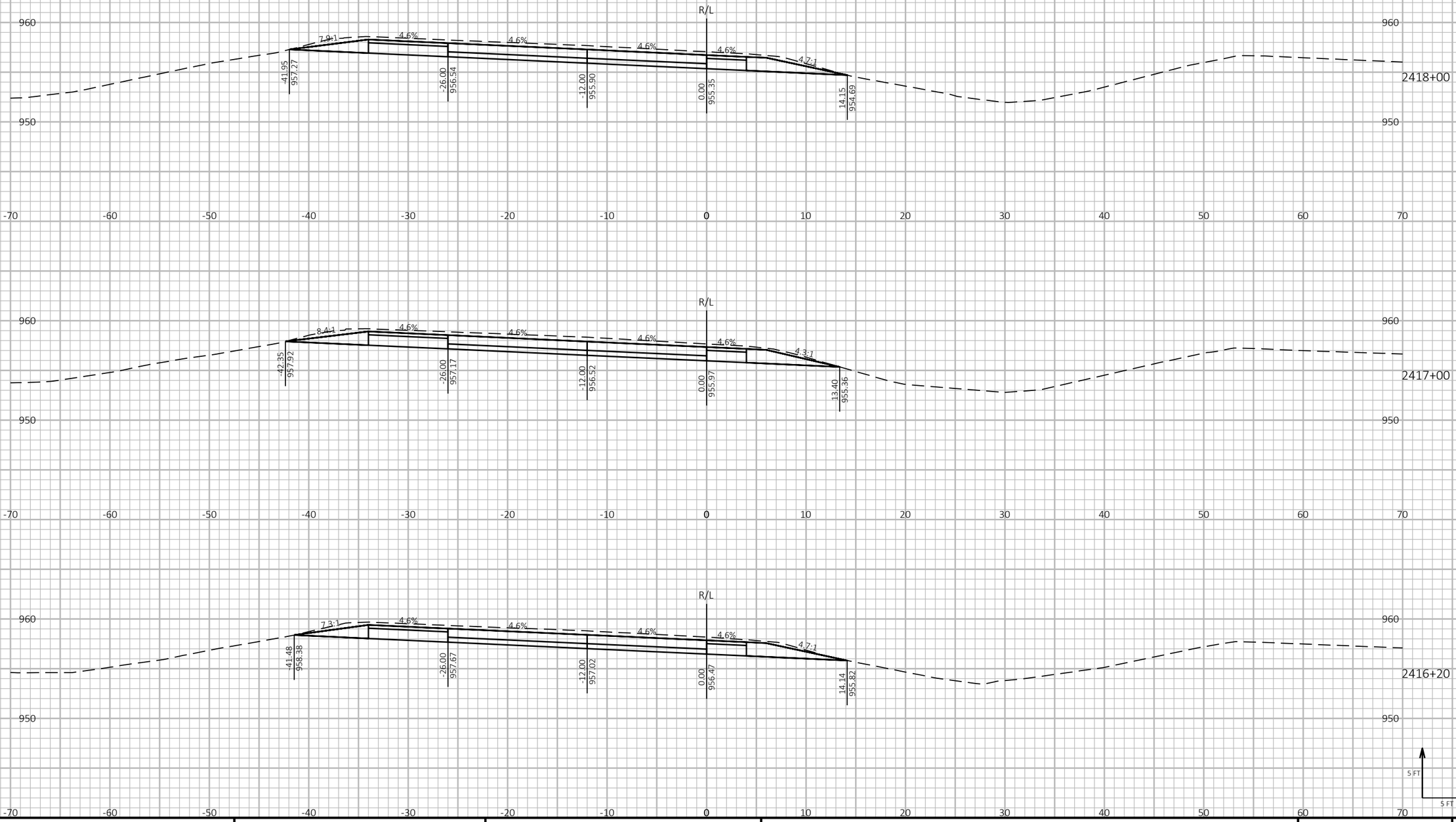
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 982	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 29

PLOT DATE : 7/26/2023 1:32 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

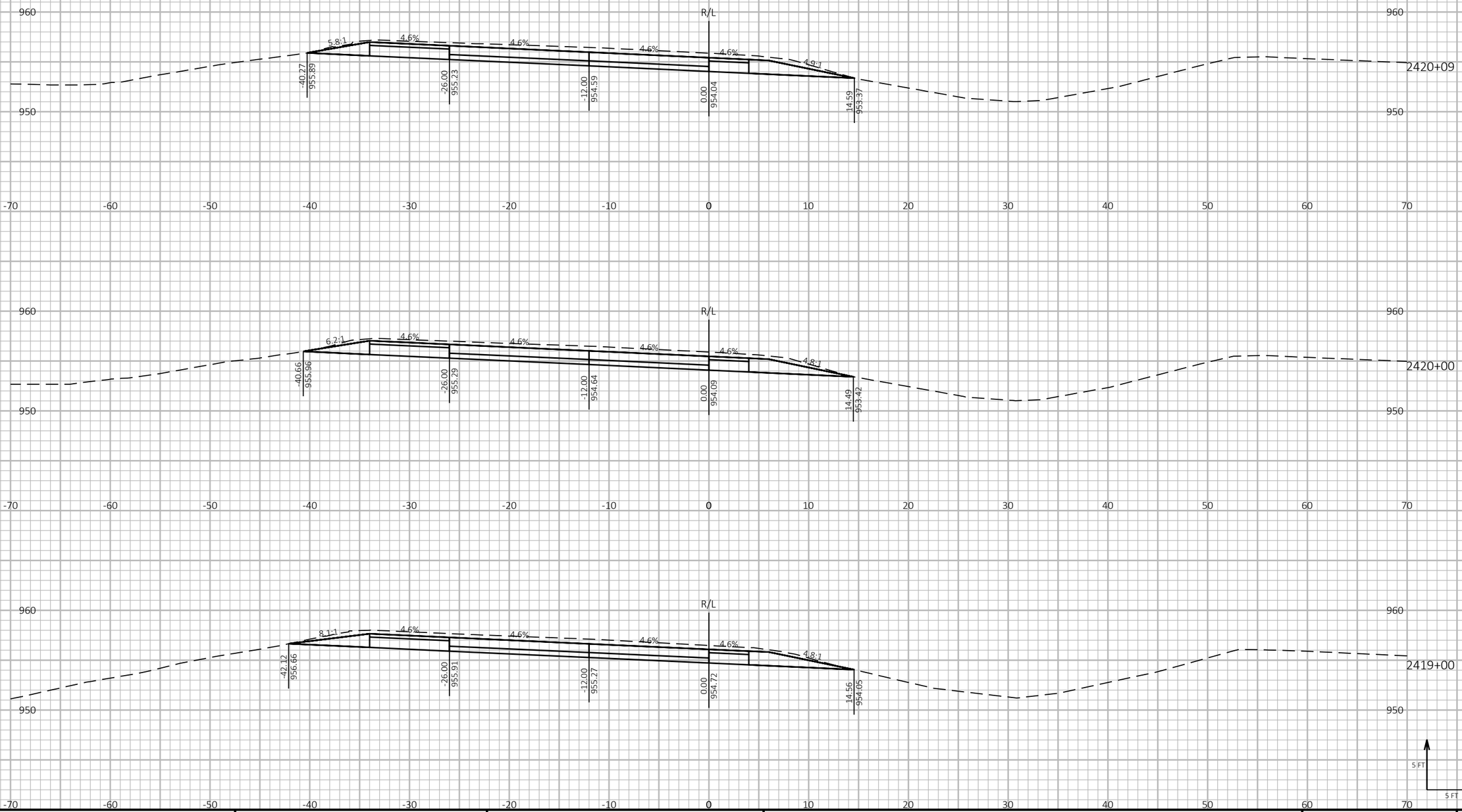
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 983	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 30

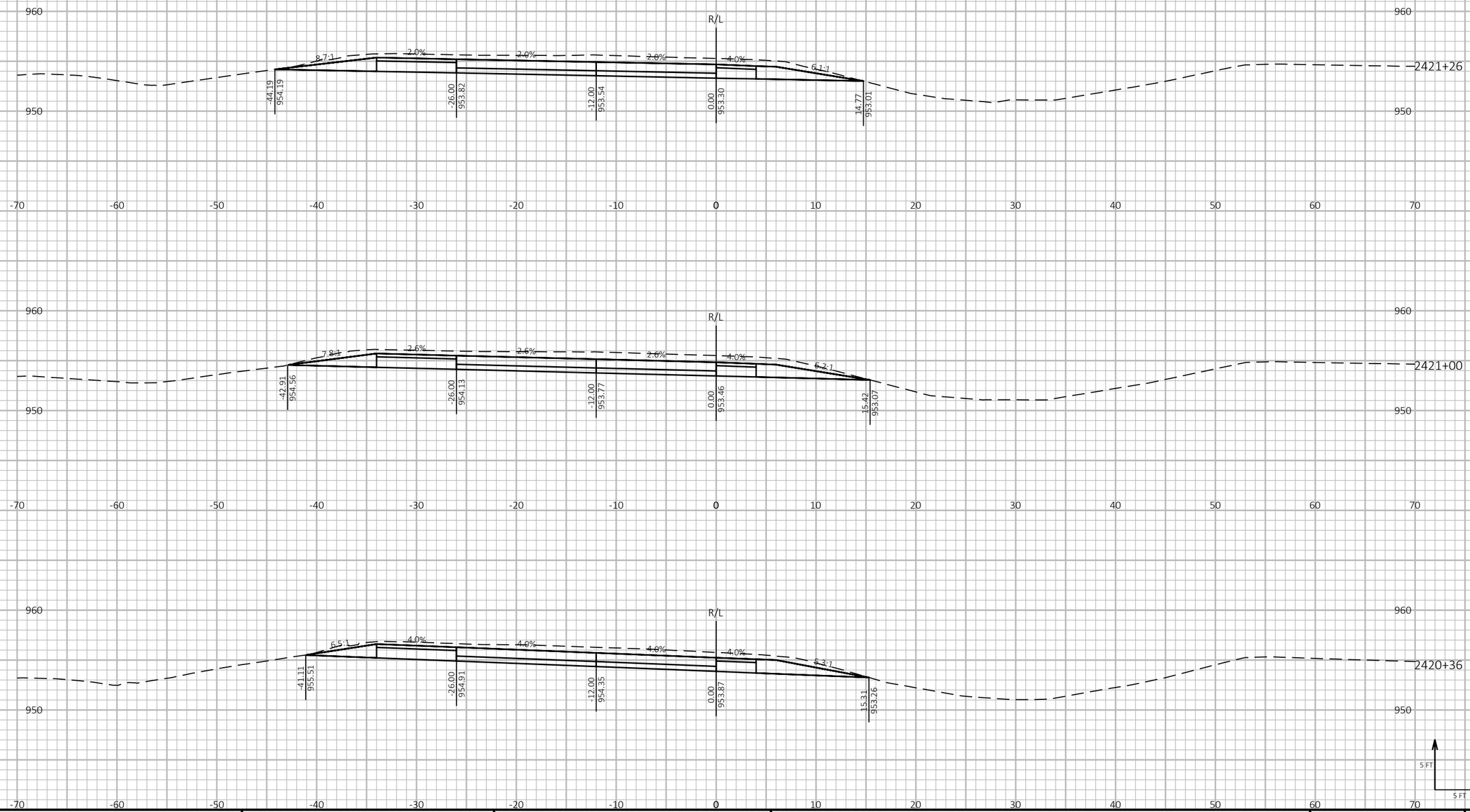
PLOT DATE : 7/26/2023 1:32 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 984	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 31

PLOT DATE : 7/26/2023 1:32 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

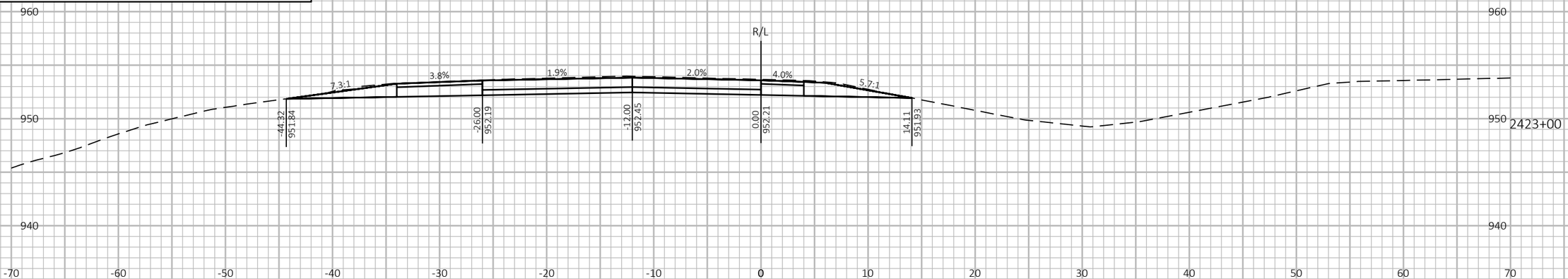
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

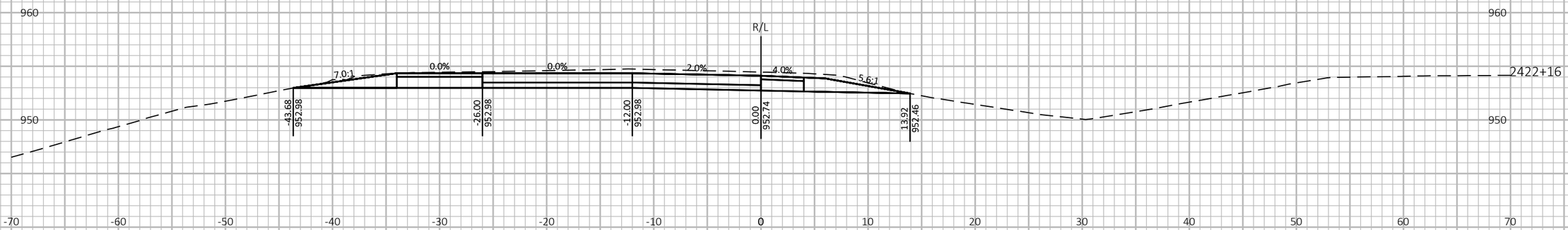
WISDOT/CADDS SHEET 49

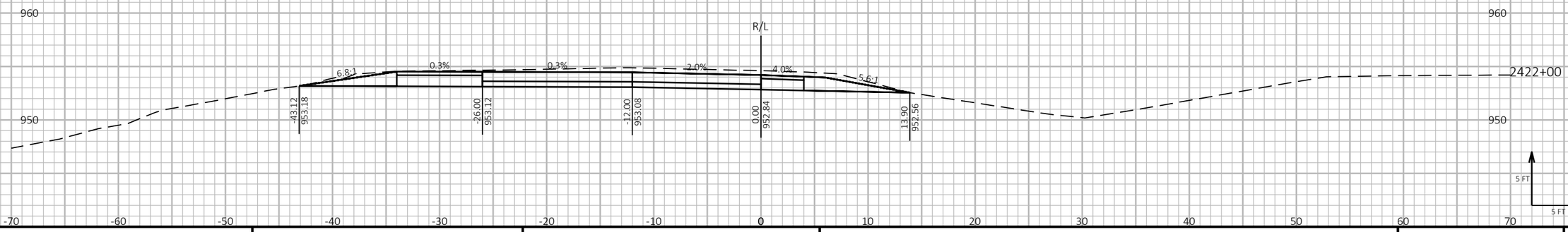
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 985	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 32

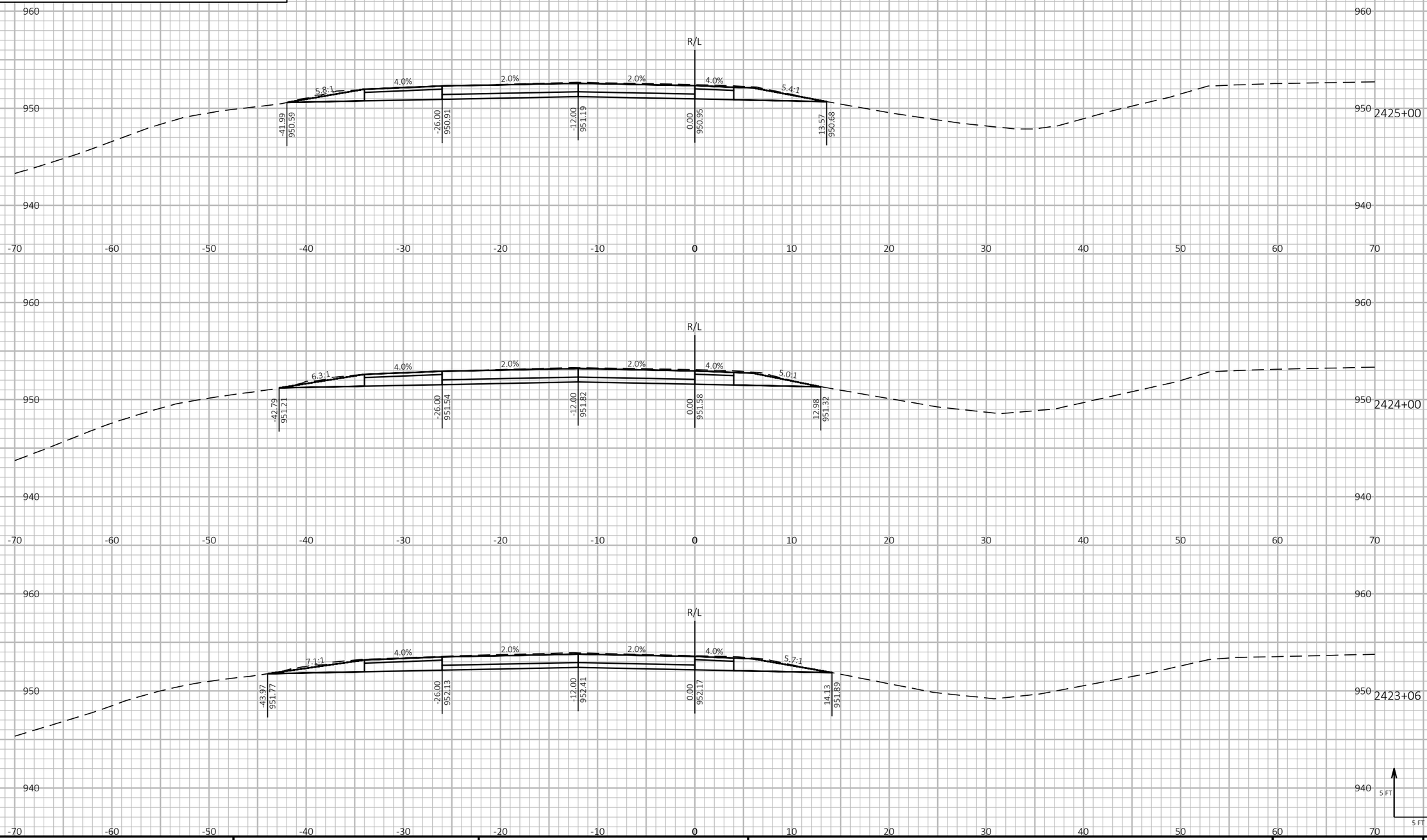
PLOT DATE : 7/26/2023 1:32 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 986	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 33

PLOT DATE : 7/26/2023 1:32 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

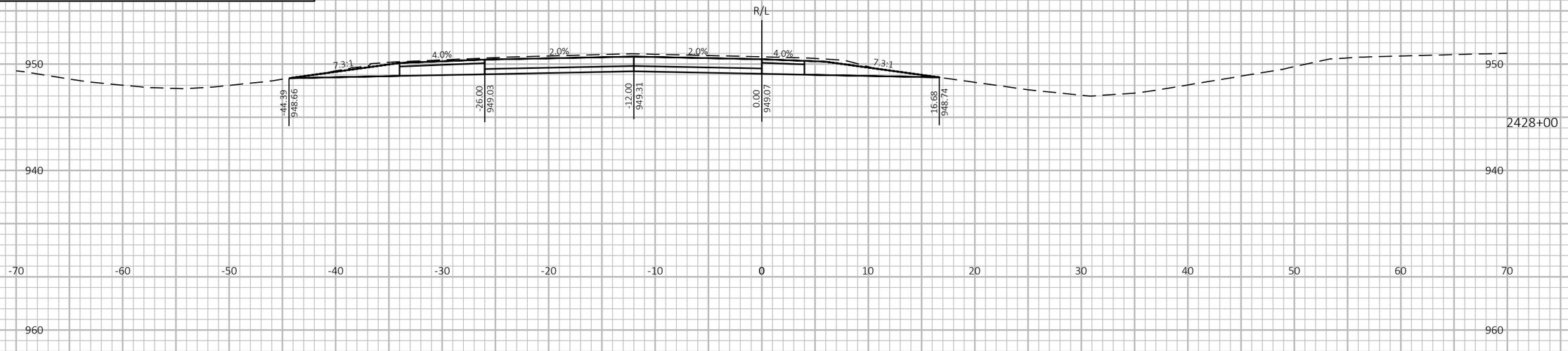
WISDOT/CADDS SHEET 49

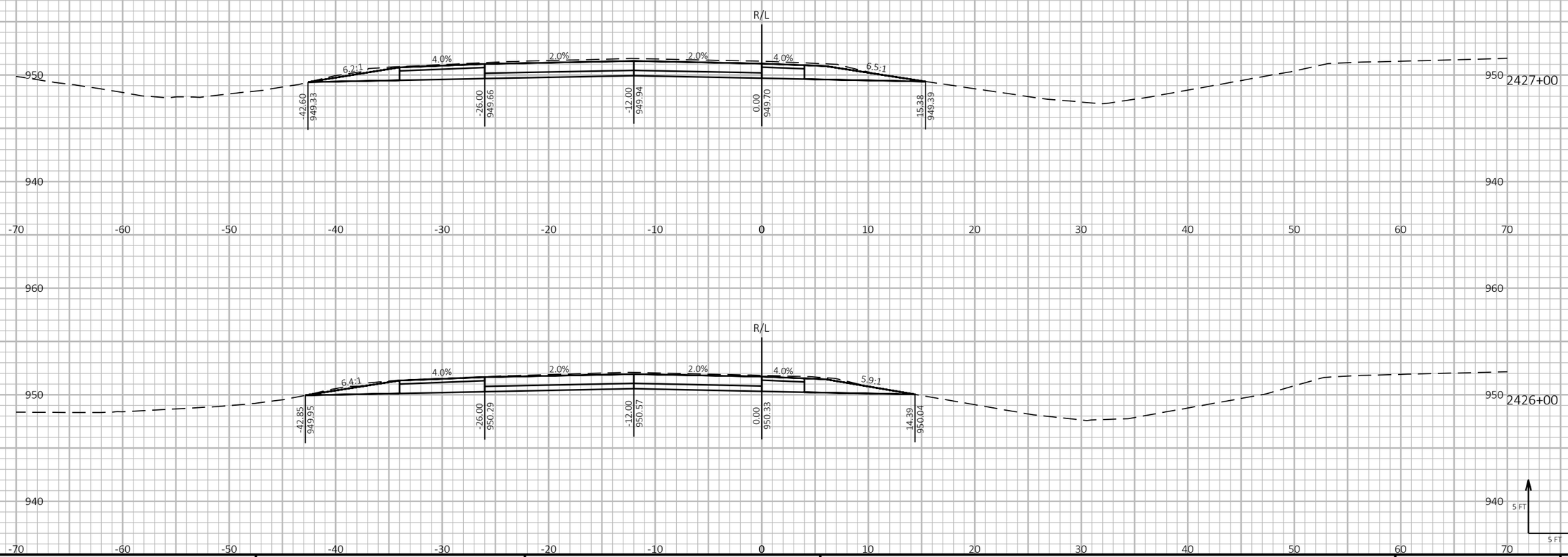
9 9

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT





9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 987	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 34

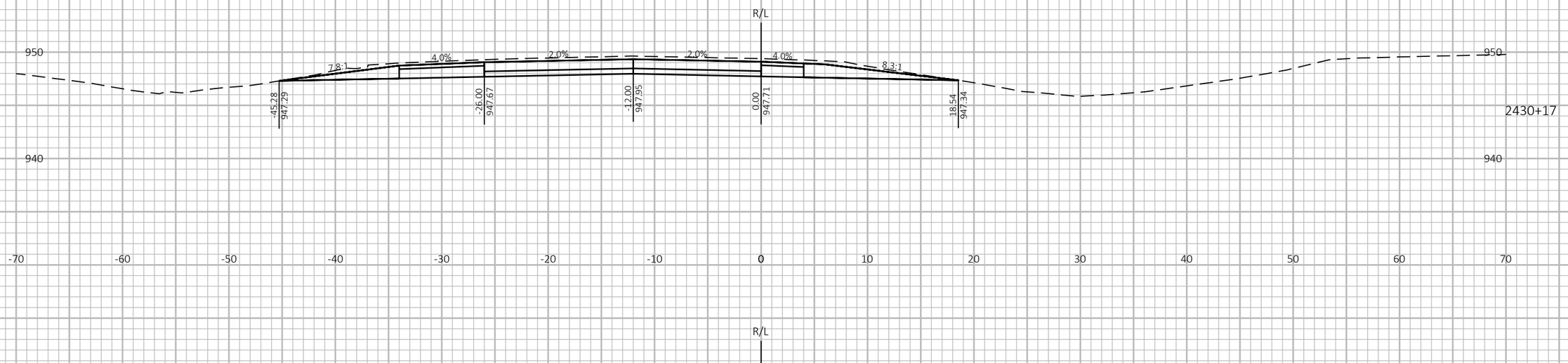
PLOT DATE : 7/26/2023 1:32 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

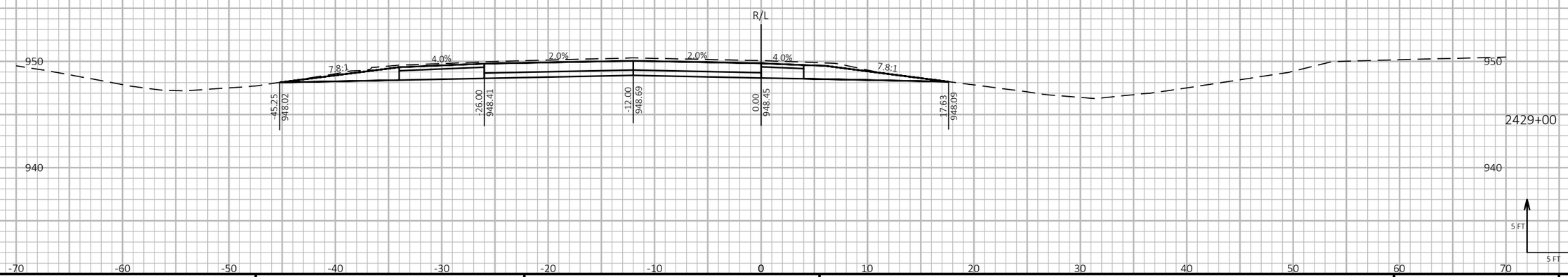
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 988 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 35

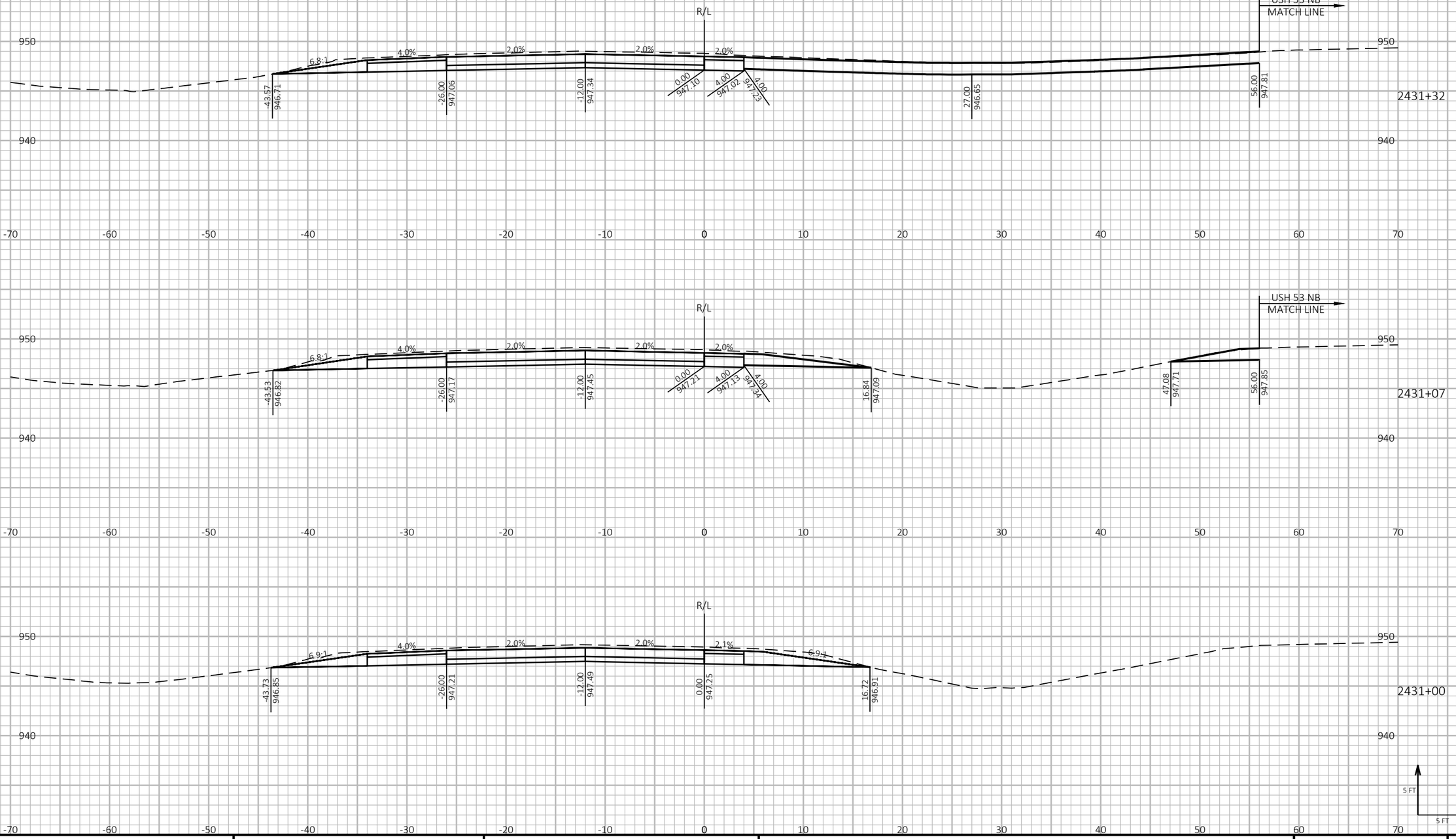
PLOT DATE : 7/26/2023 1:33 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 989	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 36

PLOT DATE : 7/26/2023 1:33 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

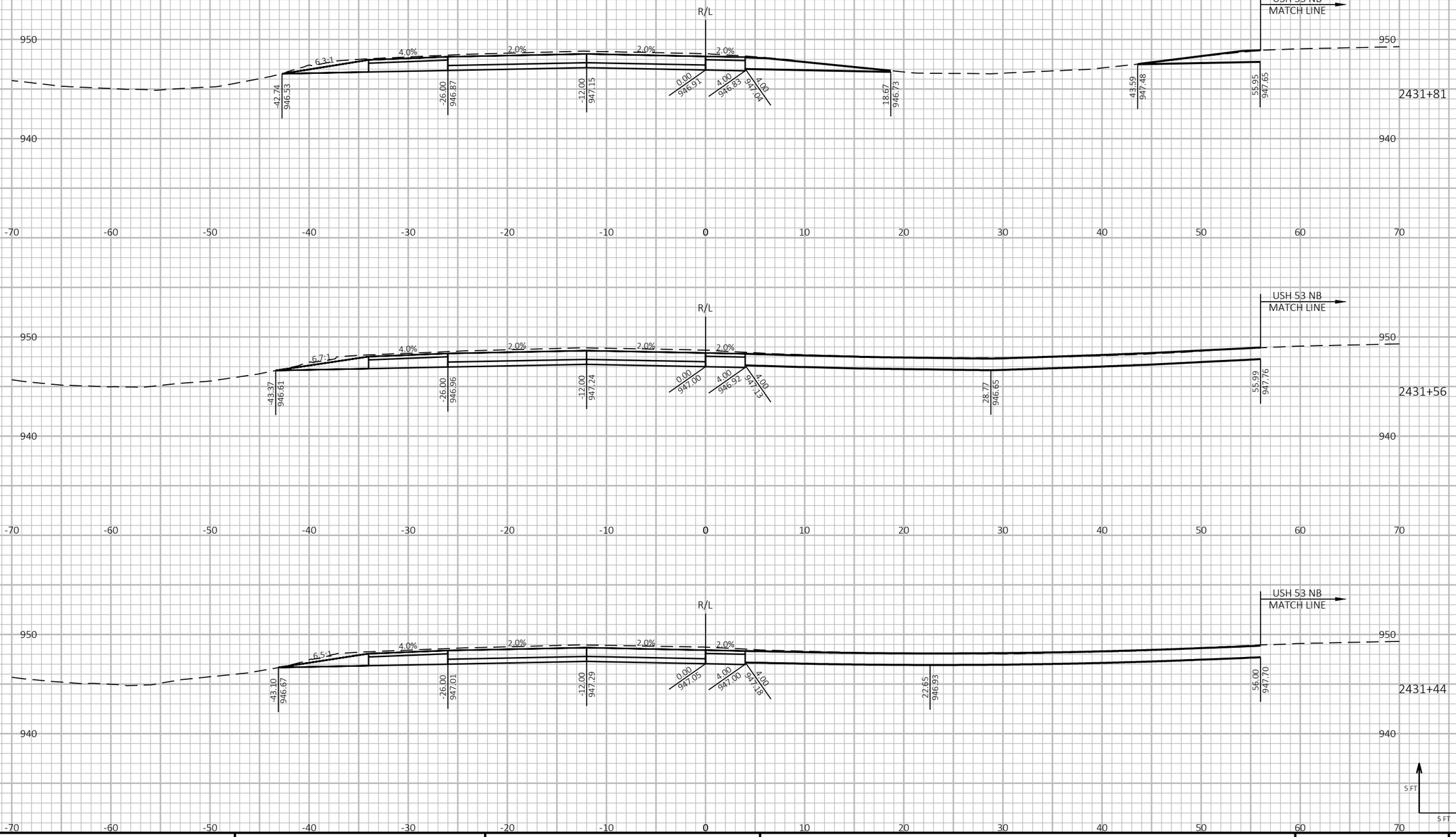
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 990 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 37

PLOT DATE : 7/26/2023 1:33 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

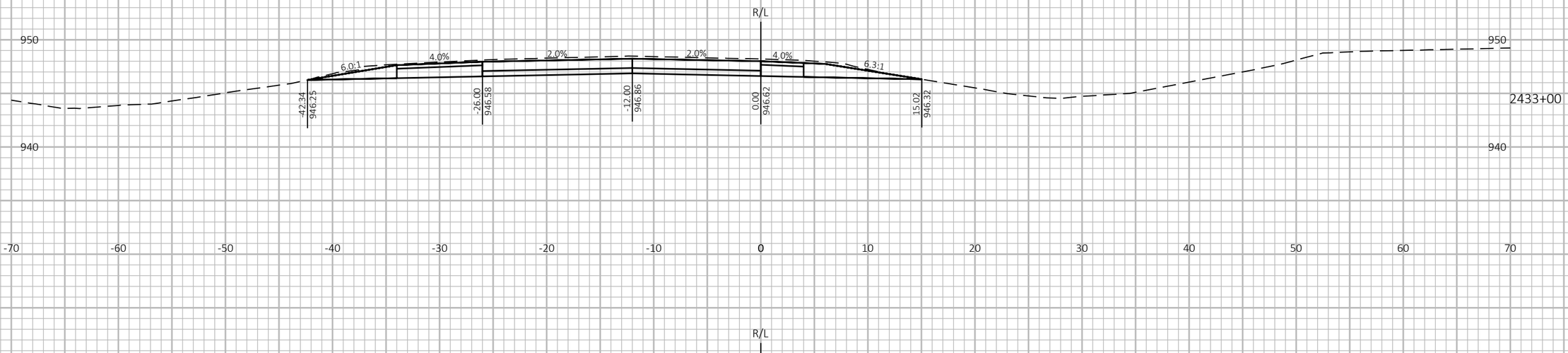
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 991	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 38

PLOT DATE : 7/26/2023 1:33 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

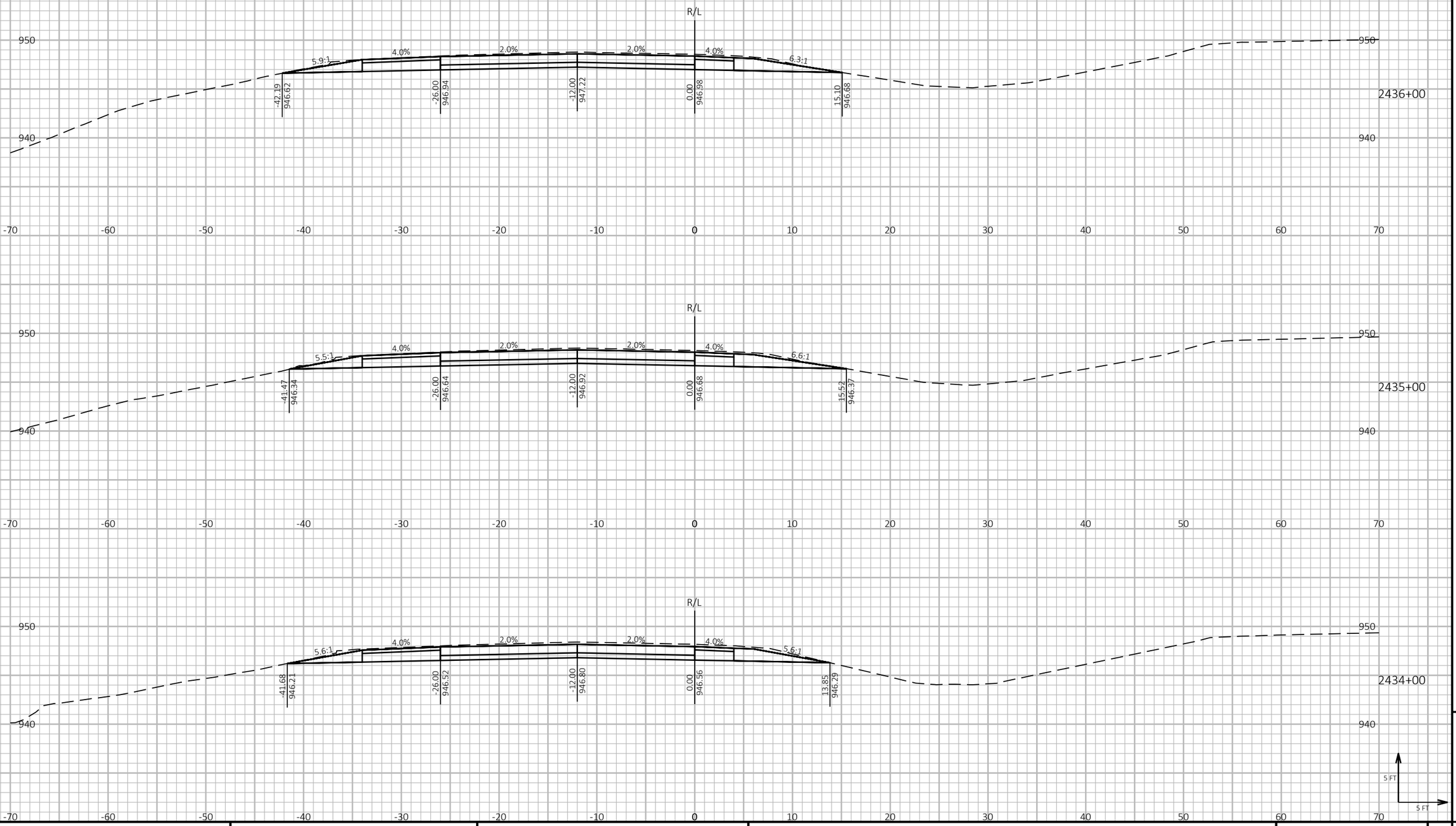
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 992	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090212-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 1:36 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

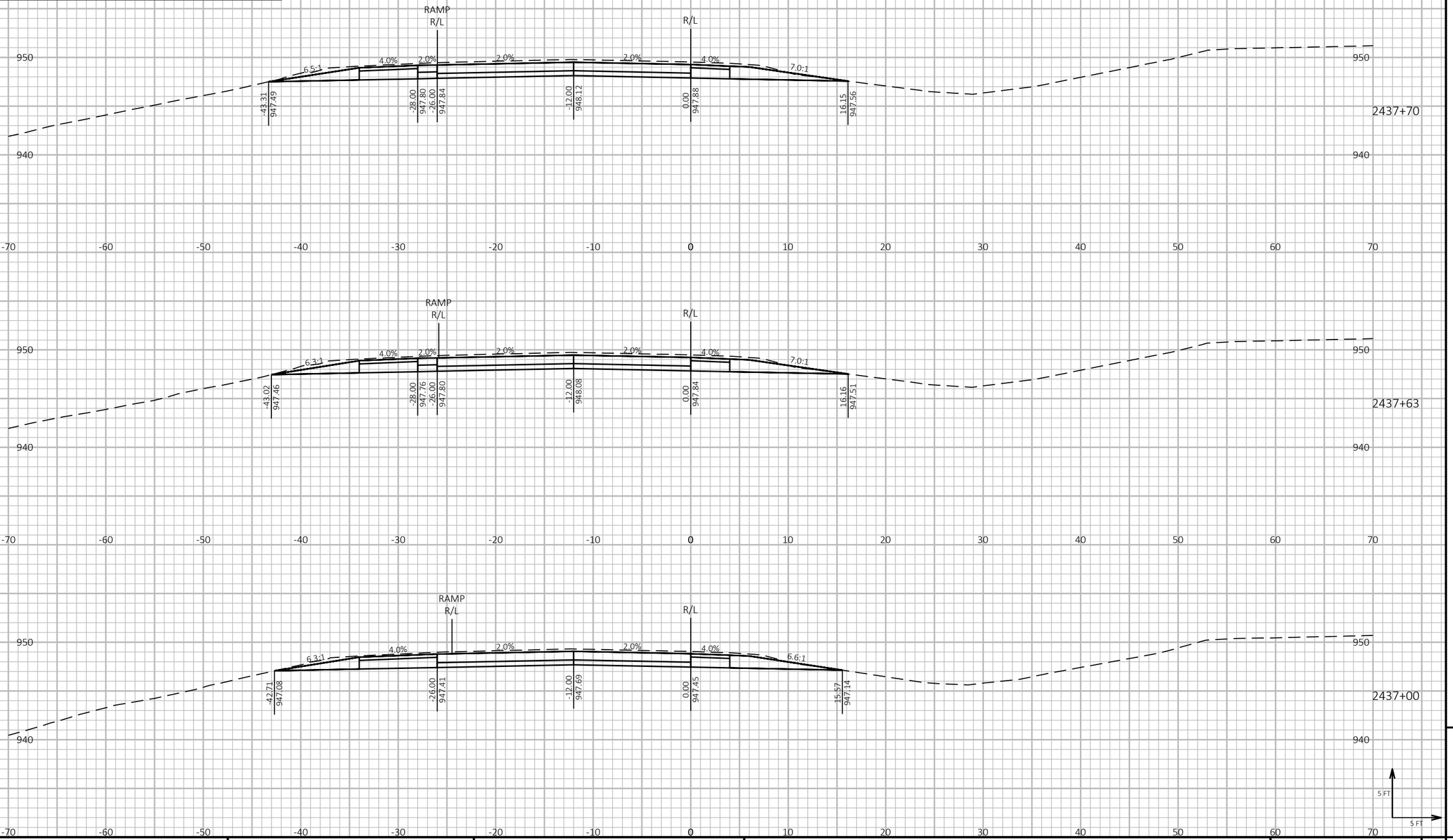
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 993	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090212-XS.DWG
LAYOUT NAME - 02

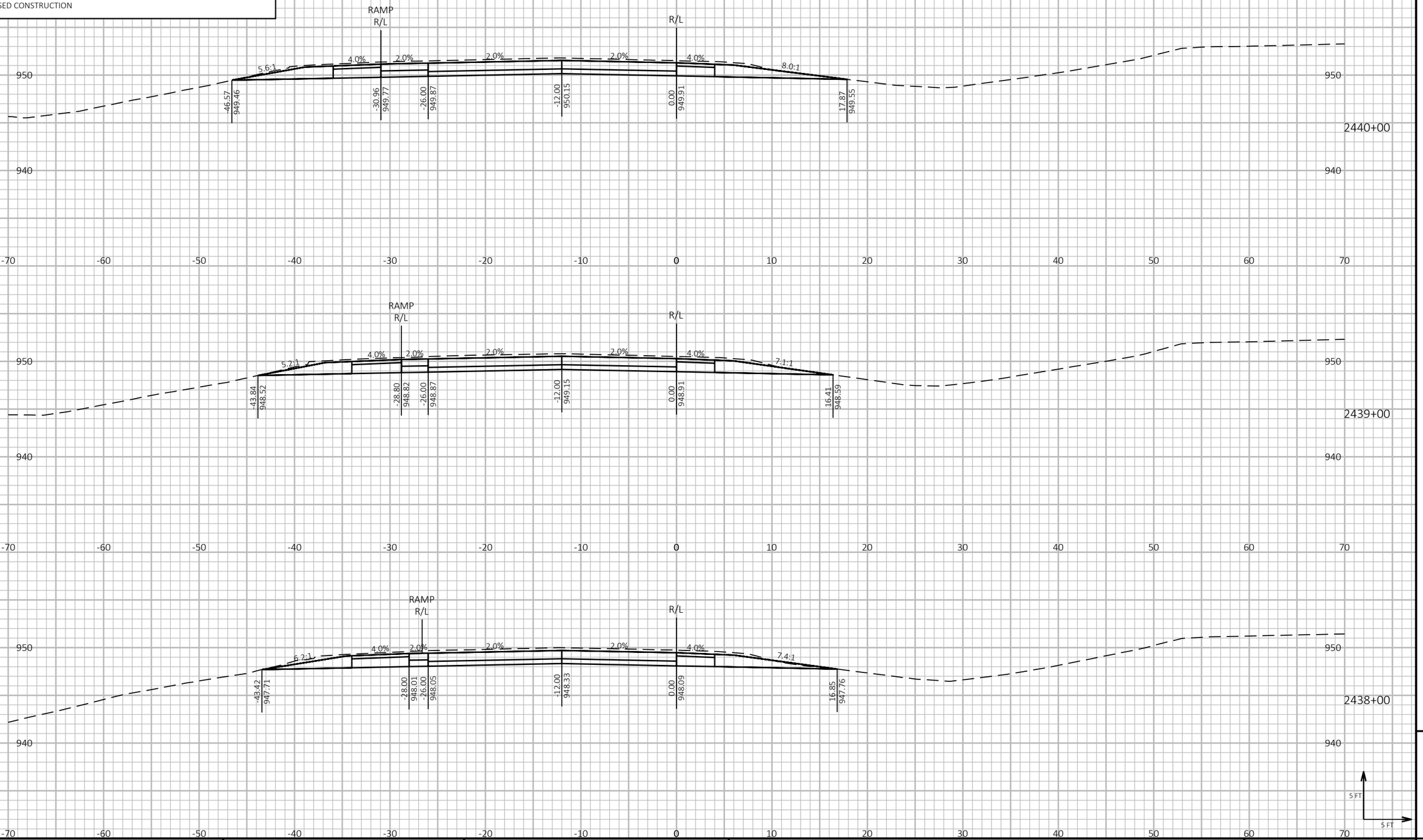
PLOT DATE : 7/26/2023 1:36 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 994	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090212-XS.DWG
LAYOUT NAME - 03

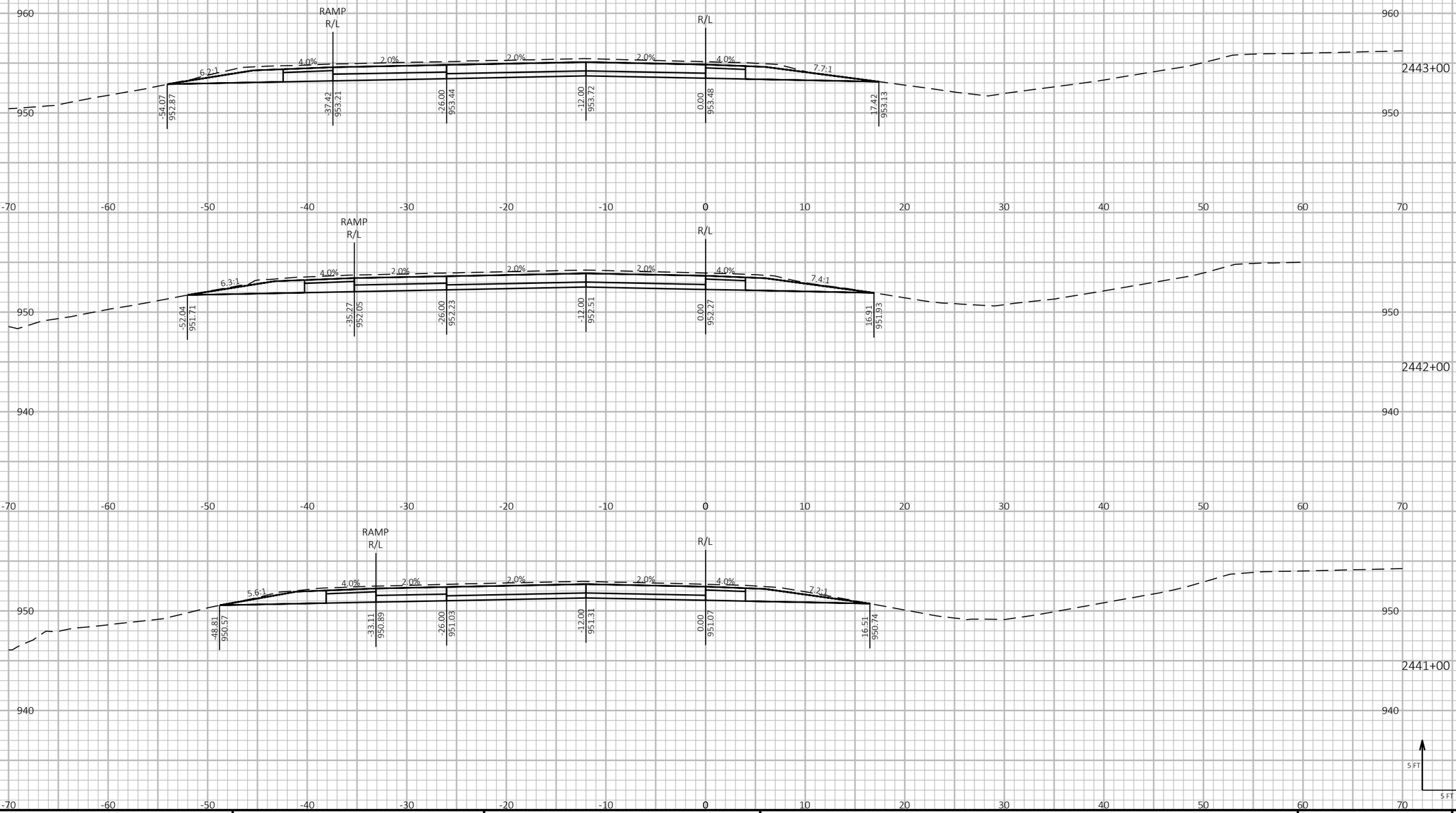
PLOT DATE : 7/26/2023 1:36 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 995	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090212-XS.DWG
LAYOUT NAME - 04

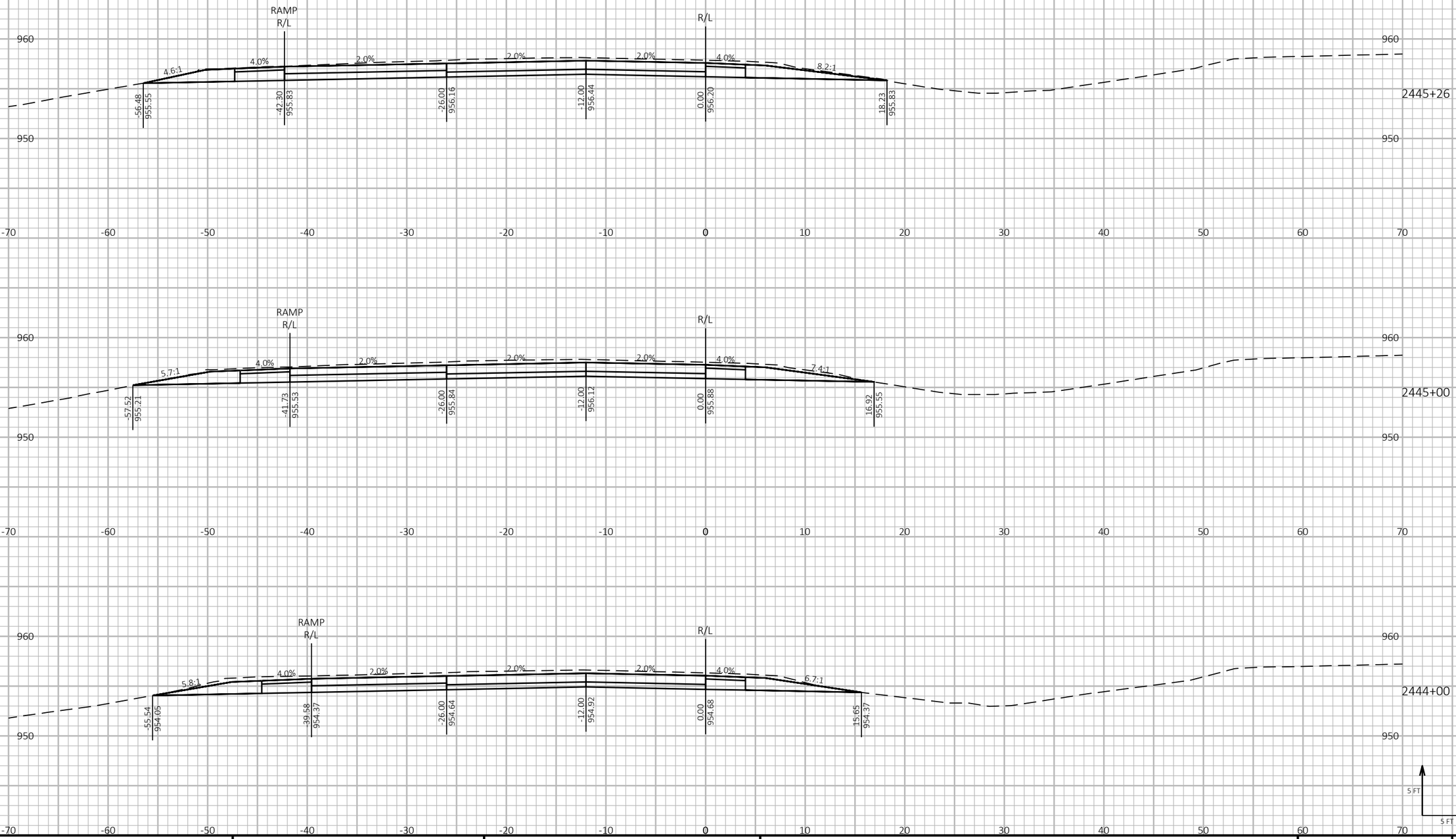
PLOT DATE : 7/26/2023 1:36 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 996	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090212-XS.DWG
LAYOUT NAME - 05

PLOT DATE : 7/26/2023 1:36 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

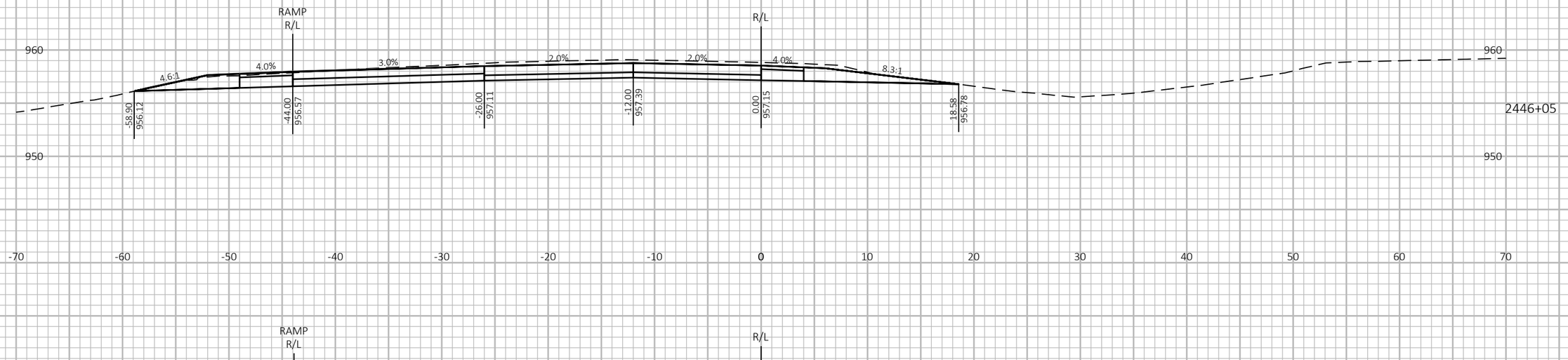
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

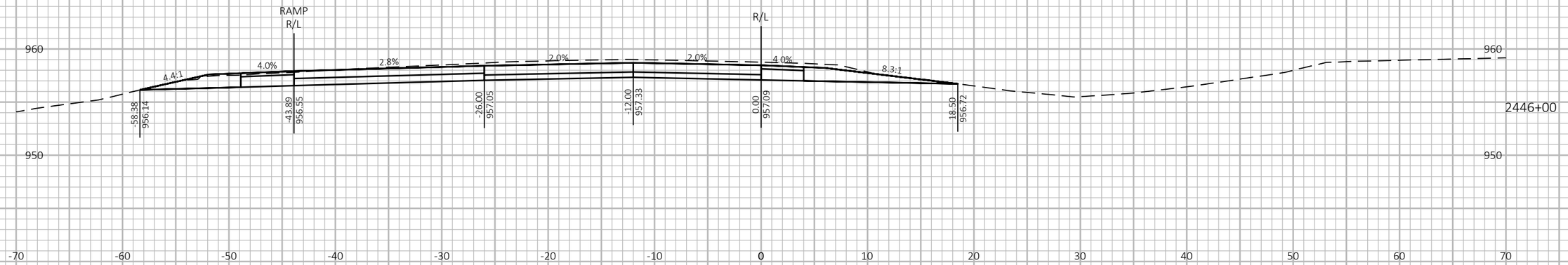
WISDOT/CADDS SHEET 49

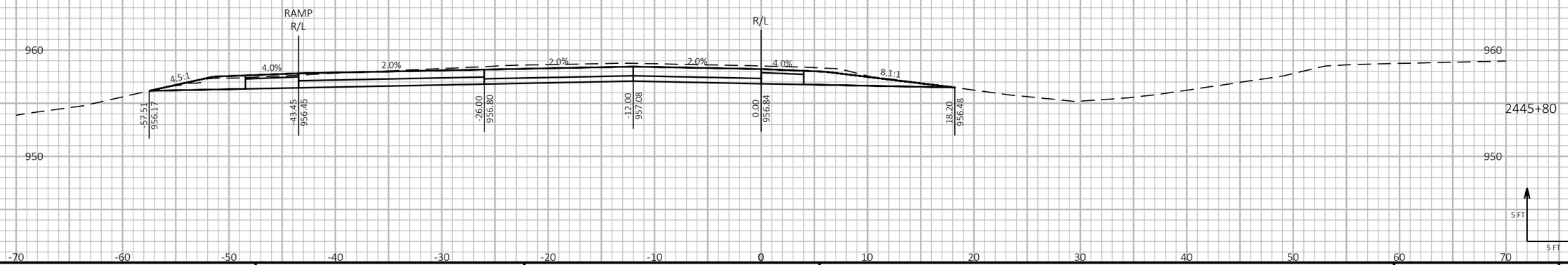
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 997	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090212-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/26/2023 1:37 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

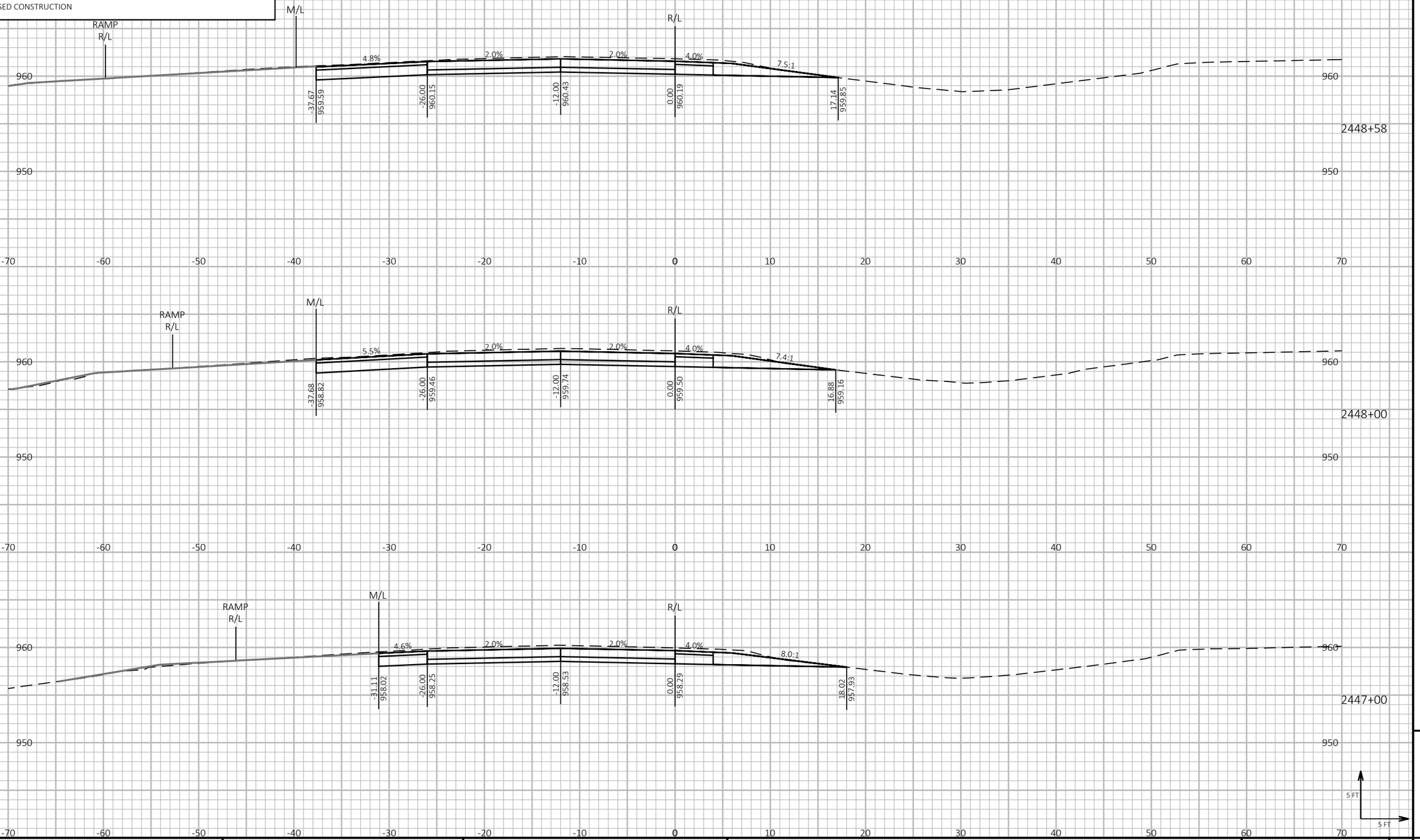
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



9 9

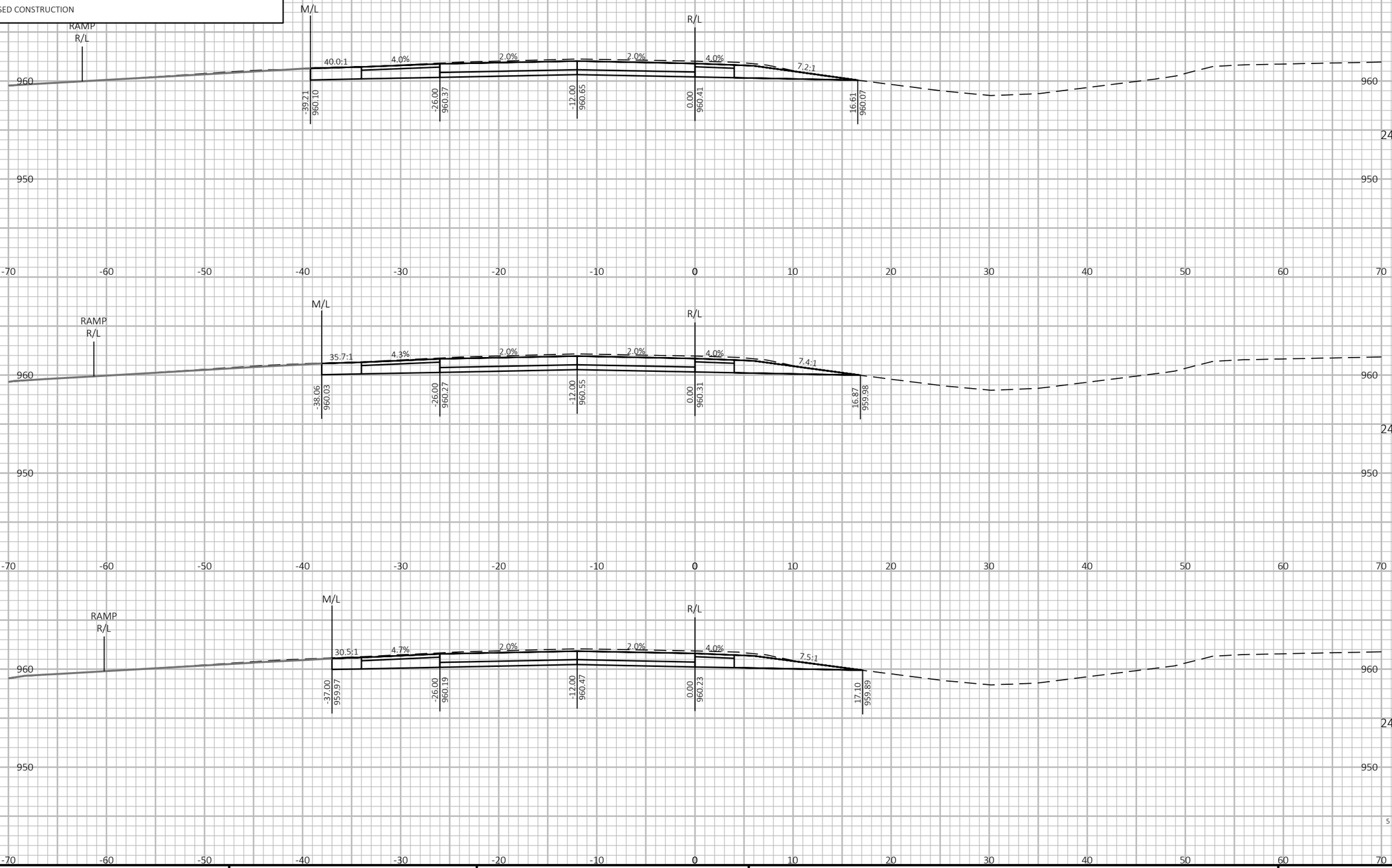
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 998	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090212-XS.DWG
LAYOUT NAME - 07
PLOT DATE : 7/26/2023 1:37 PM
PLOT BY : AUSTIN STRAHL
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 999	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090212-XS.DWG
LAYOUT NAME - 08

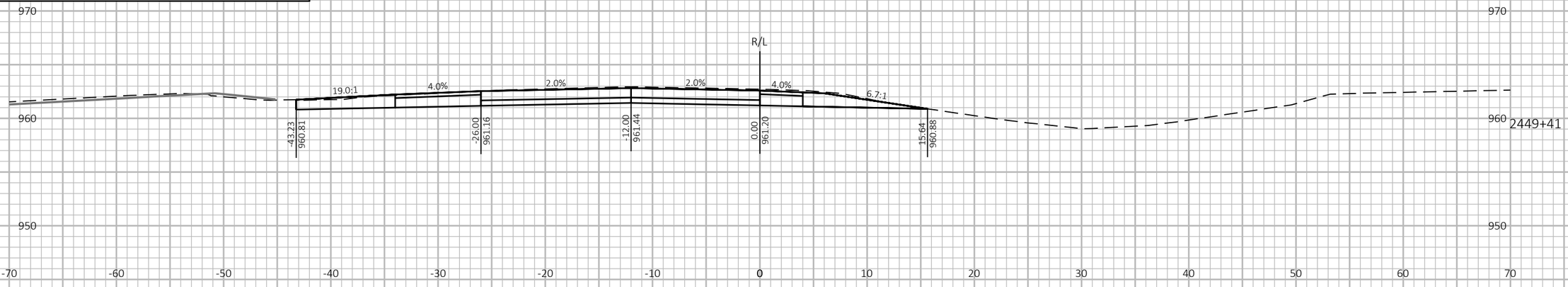
PLOT DATE : 7/26/2023 1:37 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

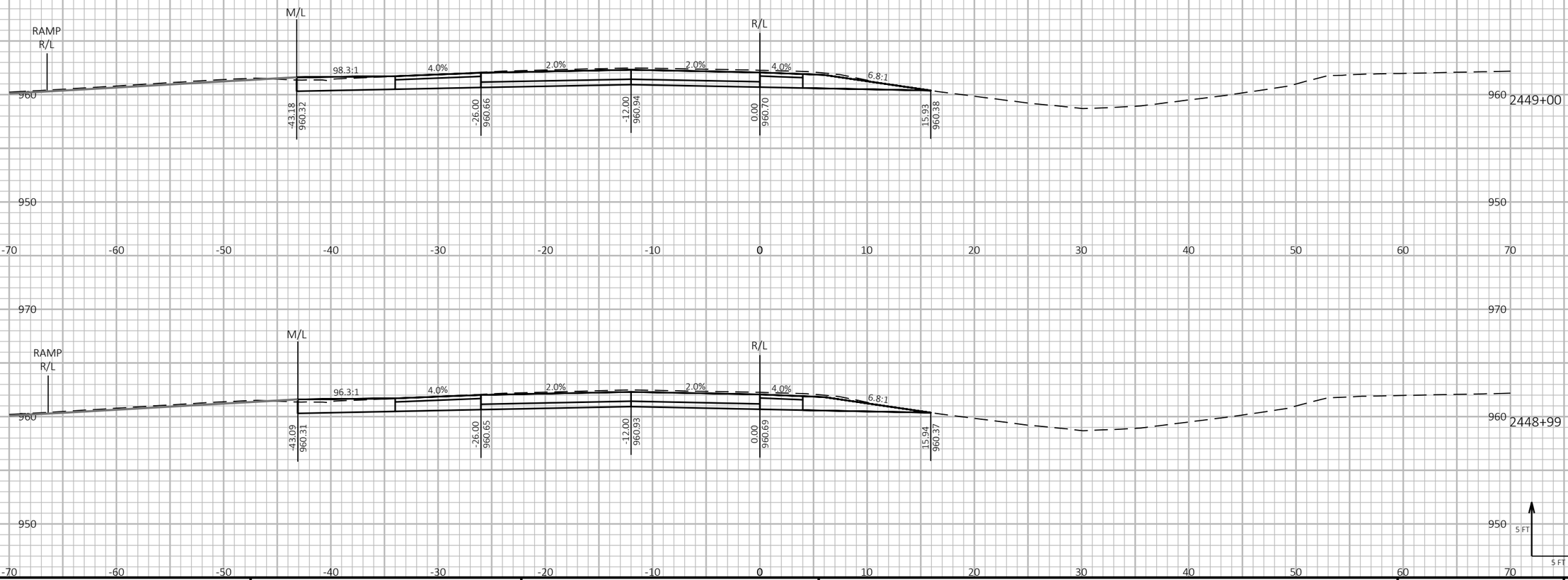
WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT





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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 1000	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090212-XS.DWG
LAYOUT NAME - 09

PLOT DATE : 7/26/2023 1:37 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

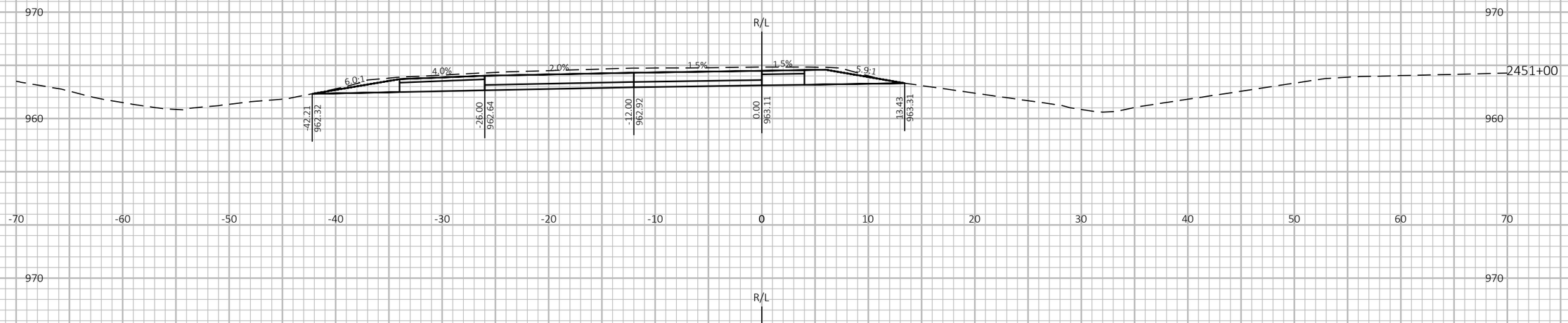
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

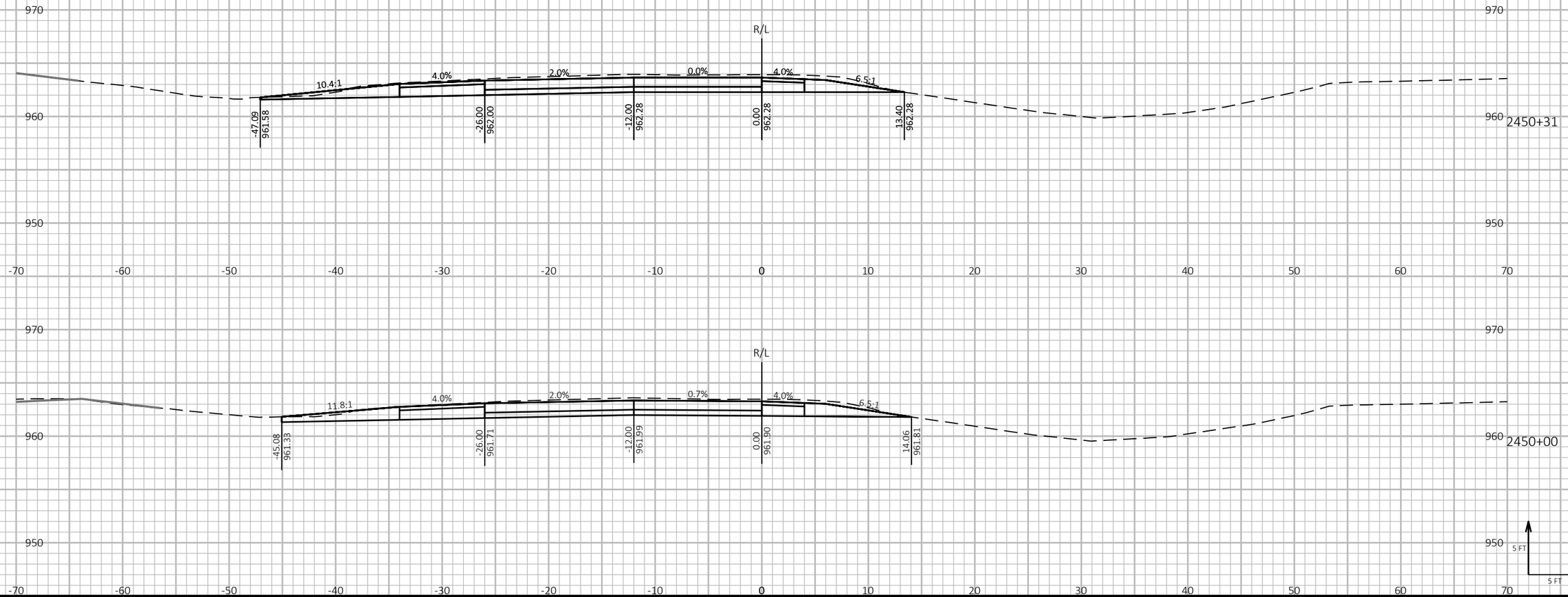
WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT





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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 1001 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090212-XS.DWG
LAYOUT NAME - 10

PLOT DATE : 7/26/2023 1:37 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

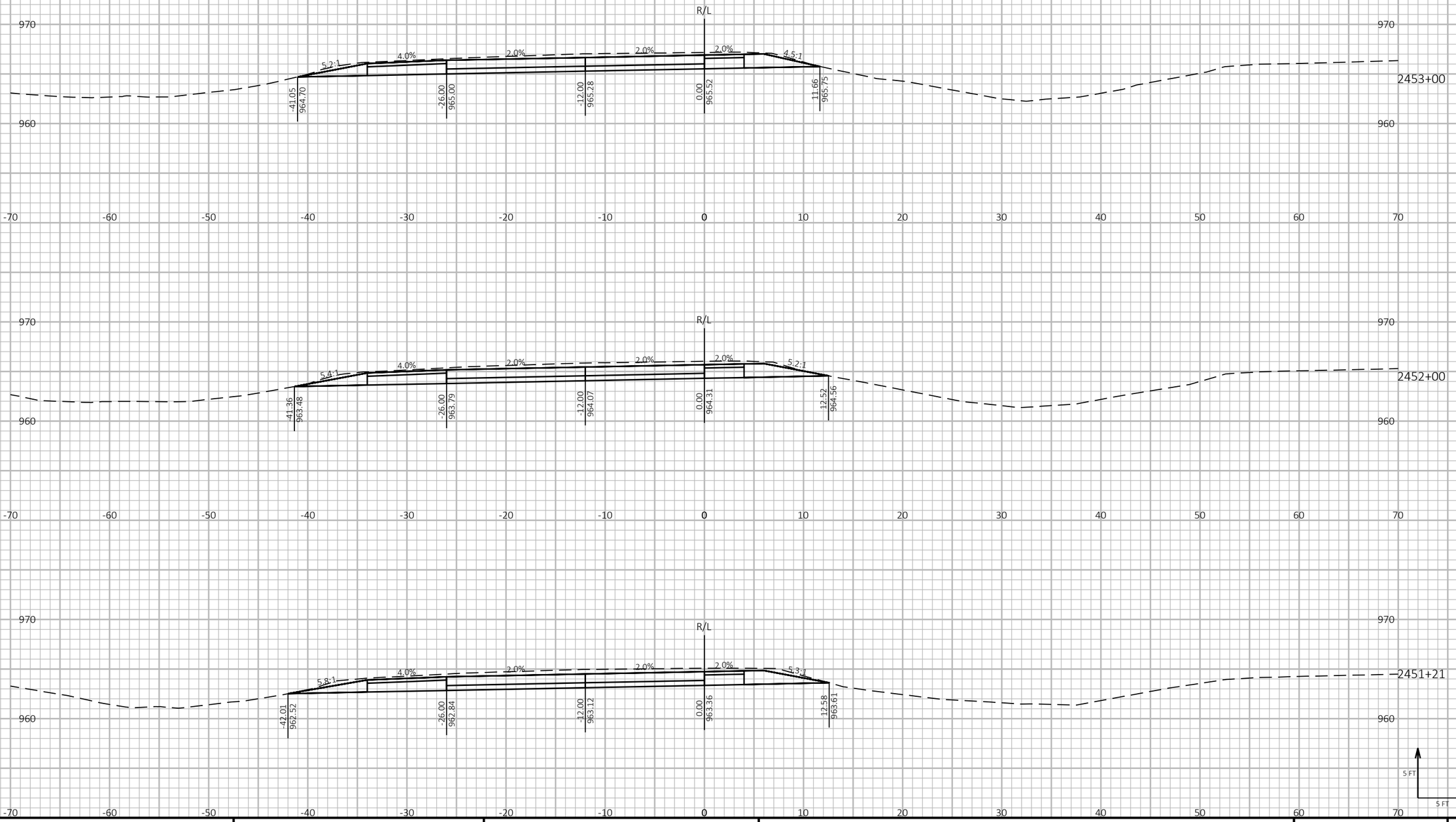
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 1002 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090212-XS.DWG
LAYOUT NAME - 11

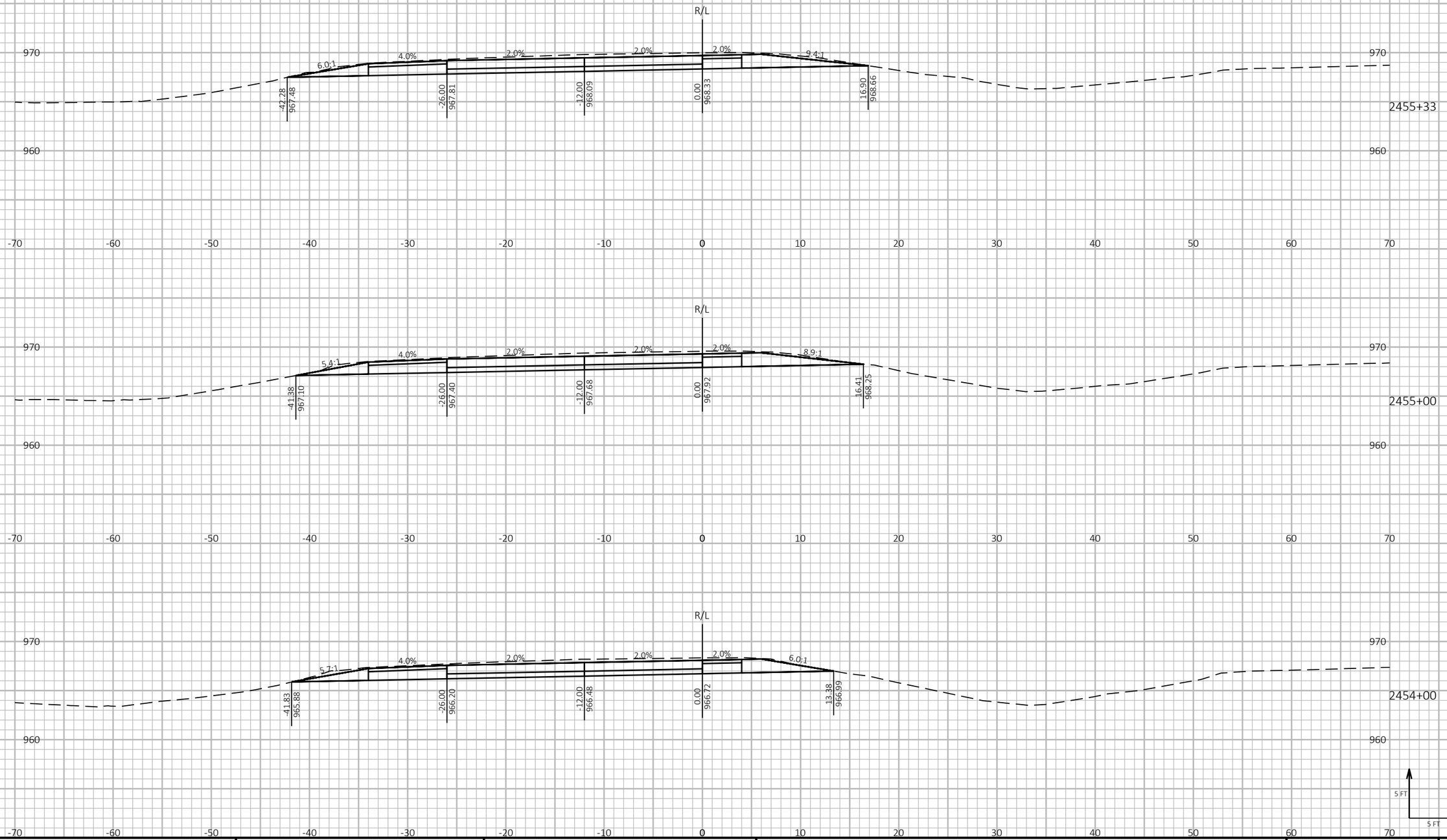
PLOT DATE : 7/26/2023 1:37 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 1003	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090212-XS.DWG
LAYOUT NAME - 12

PLOT DATE : 7/26/2023 1:38 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

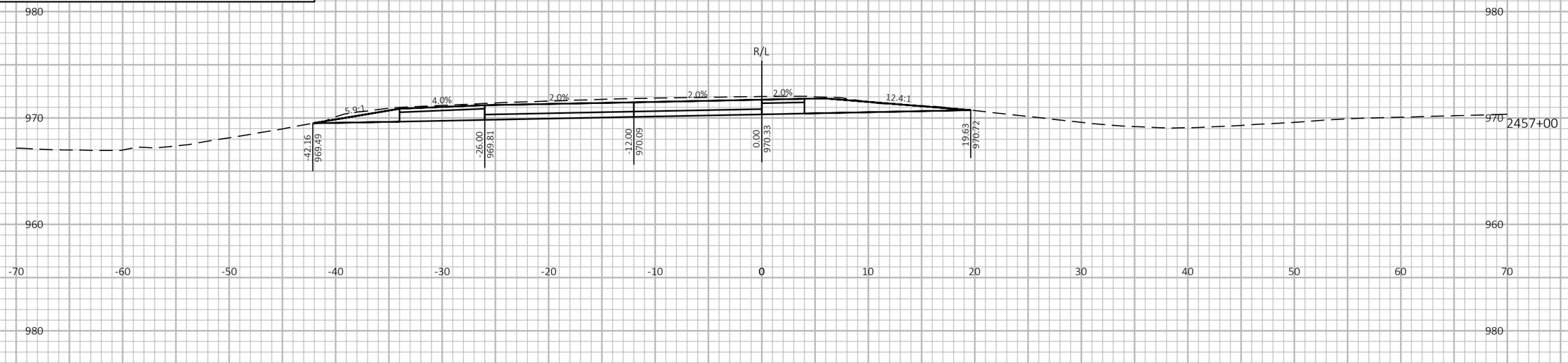
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

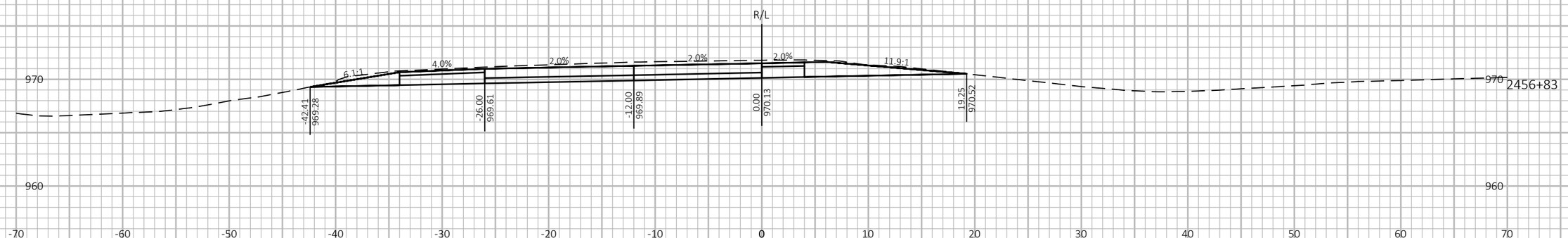
WISDOT/CADDS SHEET 49

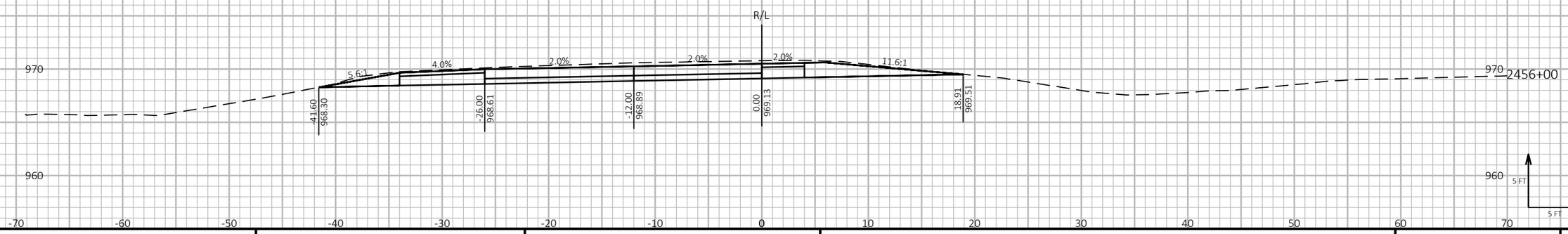
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 1004	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090212-XS.DWG
LAYOUT NAME - 13

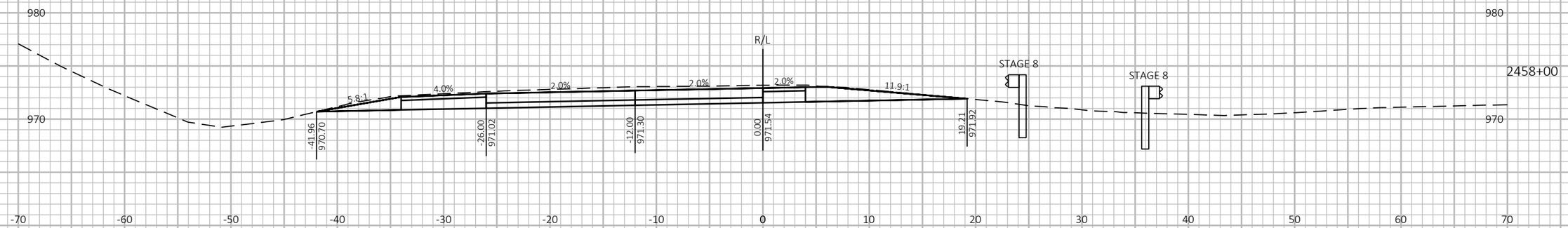
PLOT DATE : 7/26/2023 1:38 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

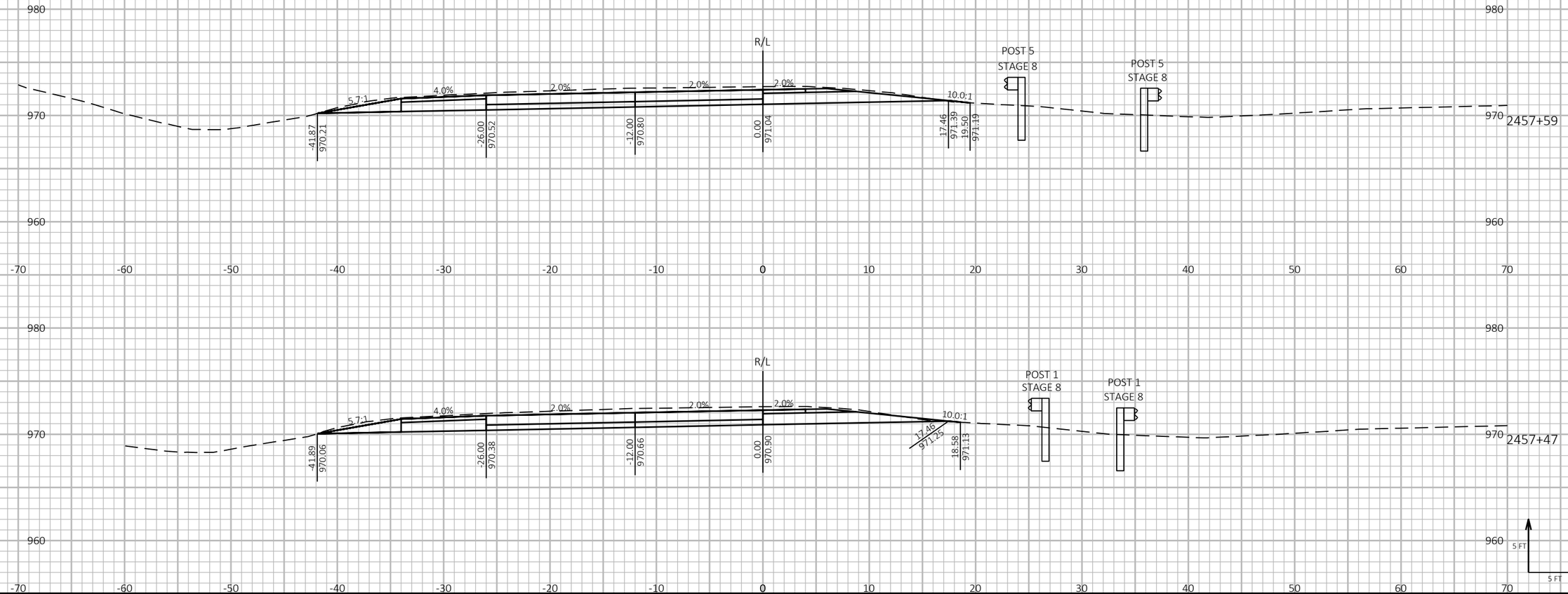
WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT





9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 1005 E

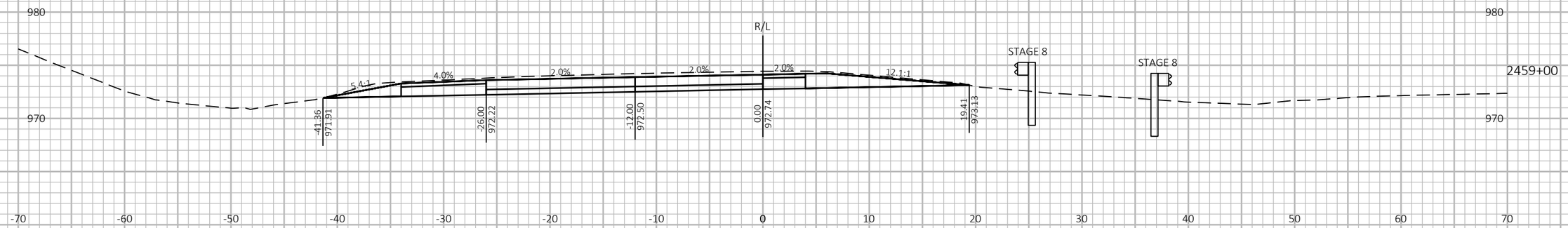
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LAYOUT NAME - 14

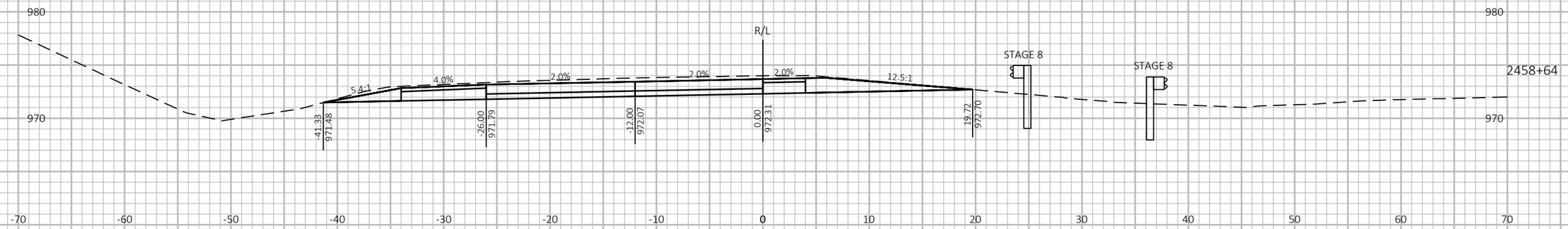
PLOT DATE : 7/26/2023 1:38 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 1006	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090212-XS.DWG
LAYOUT NAME - 15

PLOT DATE : 7/26/2023 1:38 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

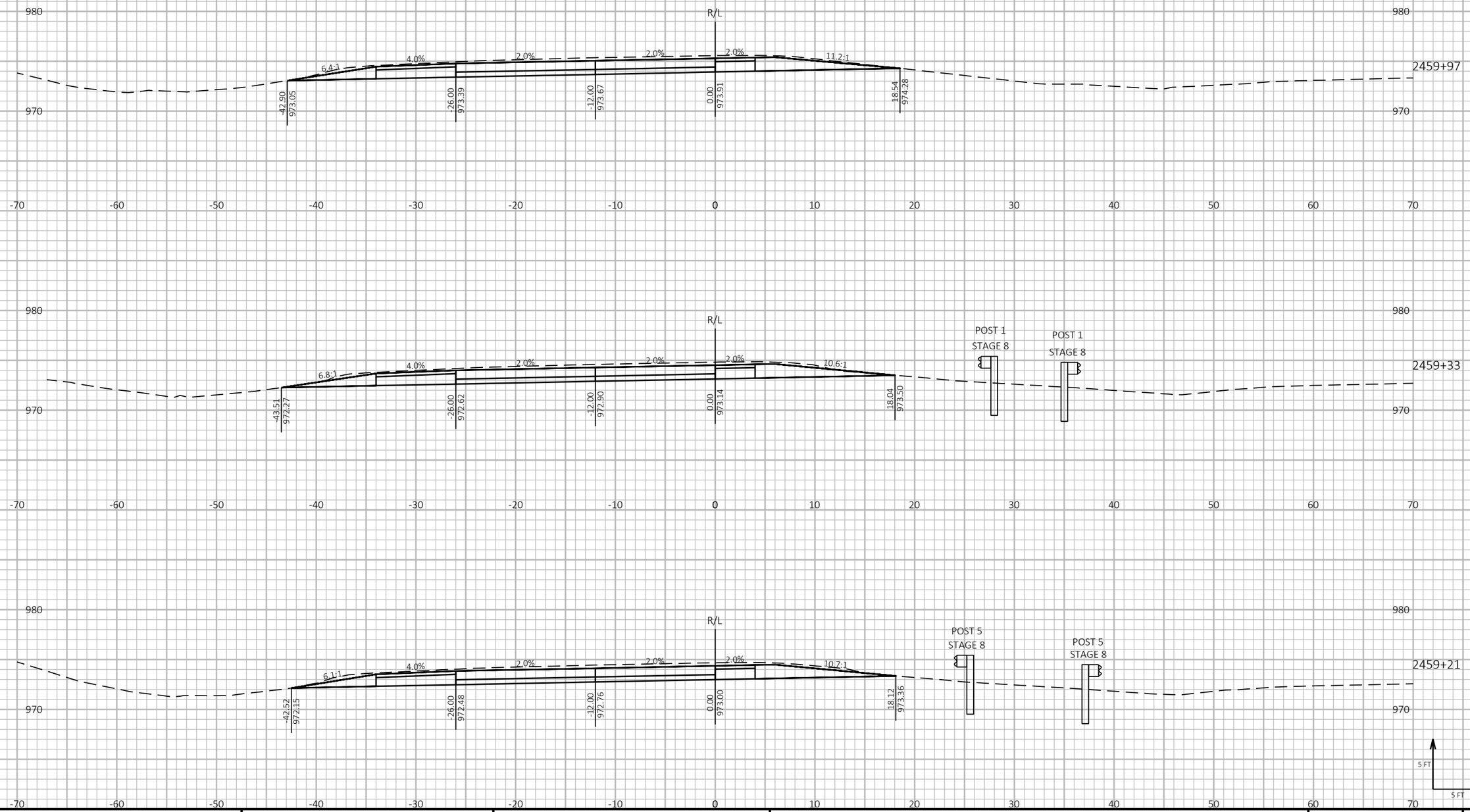
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 1007	E

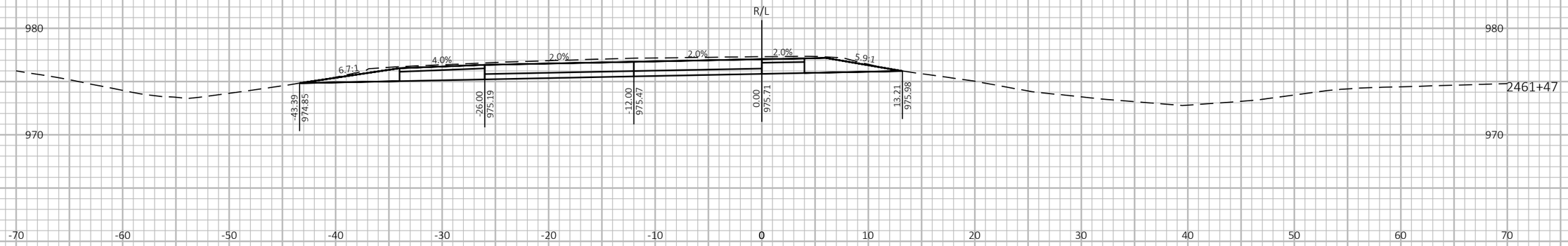
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LAYOUT NAME - 16

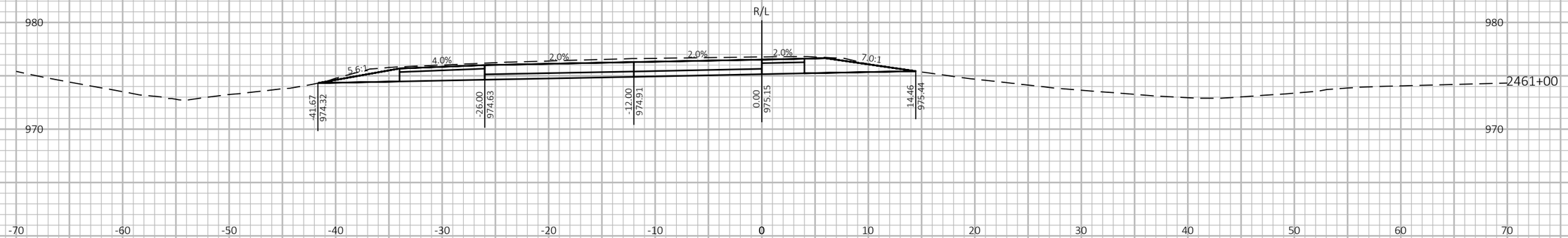
PLOT DATE : 7/26/2023 1:38 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

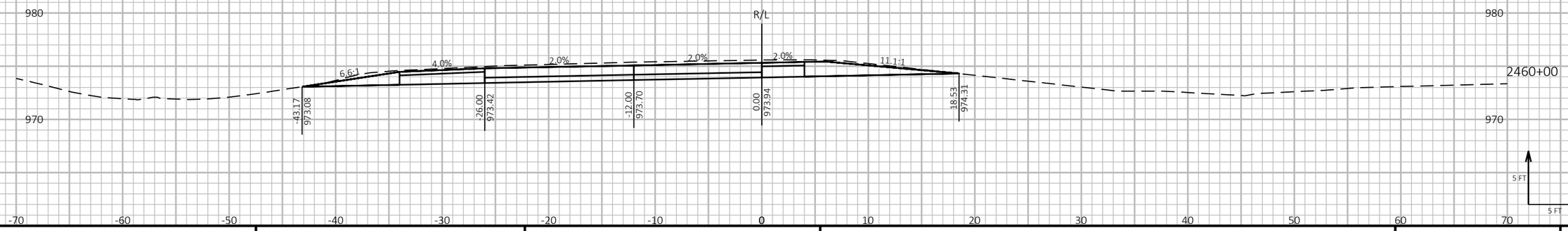
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 1008	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090212-XS.DWG
LAYOUT NAME - 17

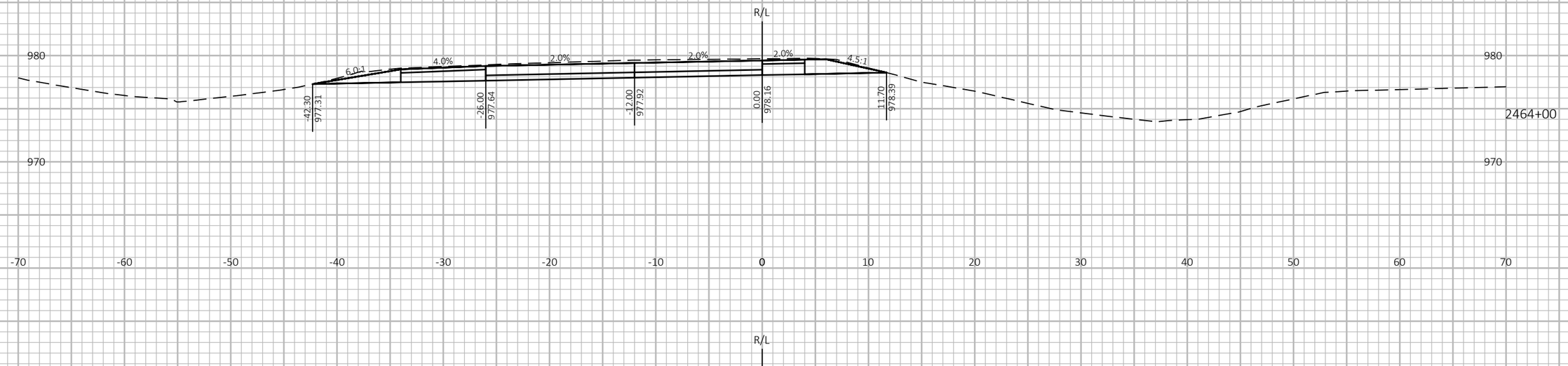
PLOT DATE : 7/26/2023 1:39 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

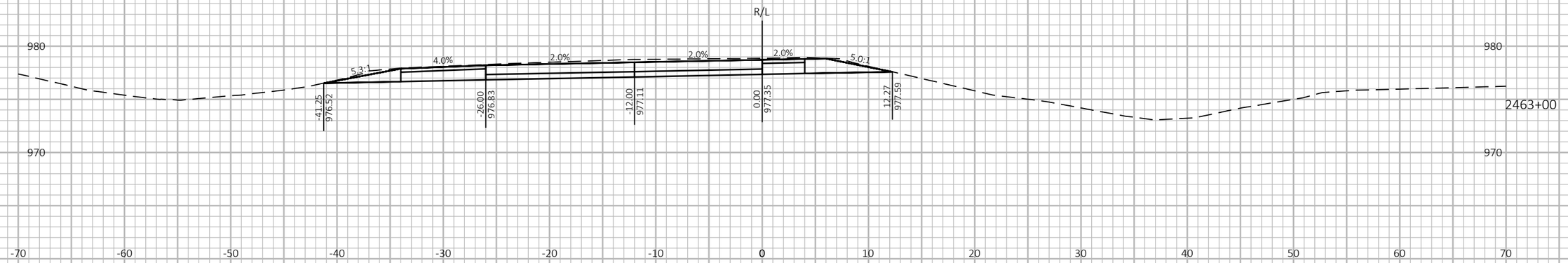
WISDOT/CADDS SHEET 49

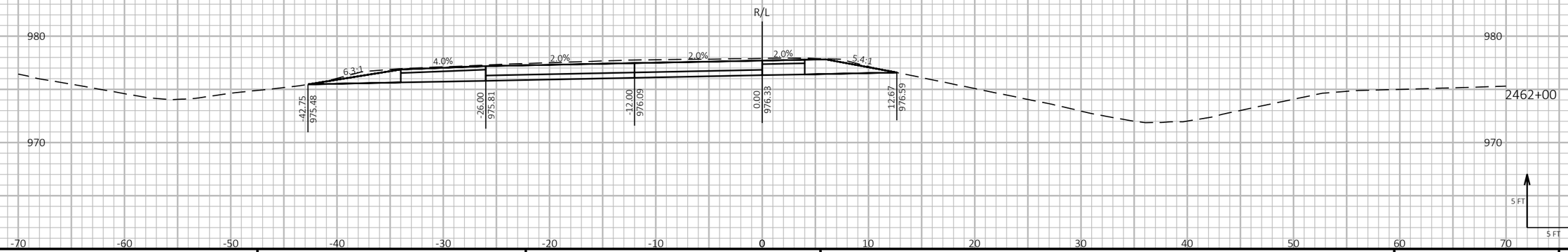
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 1009	E

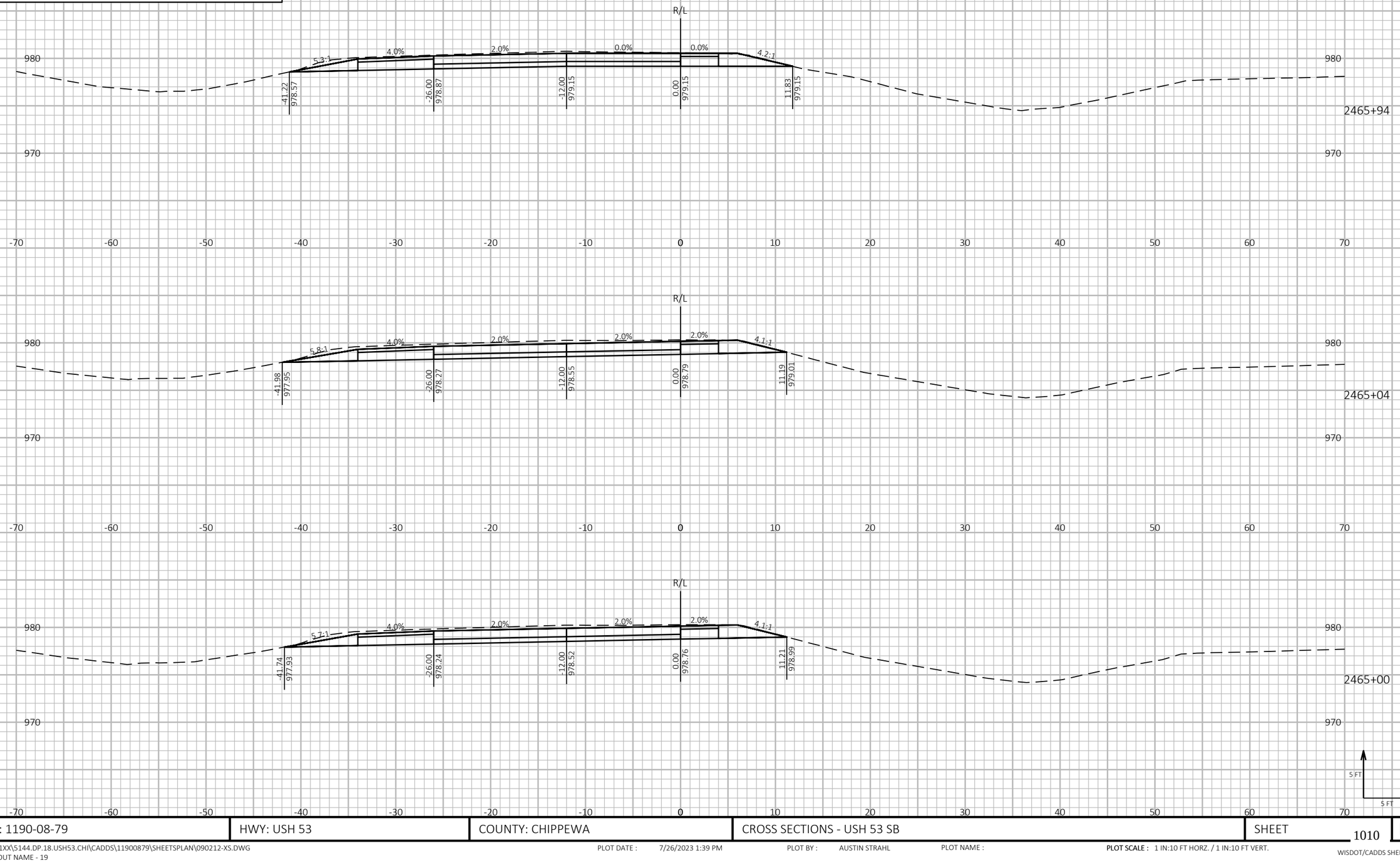
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090212-XS.DWG
LAYOUT NAME - 18

PLOT DATE : 7/26/2023 1:39 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 1010	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090212-XS.DWG
LAYOUT NAME - 19

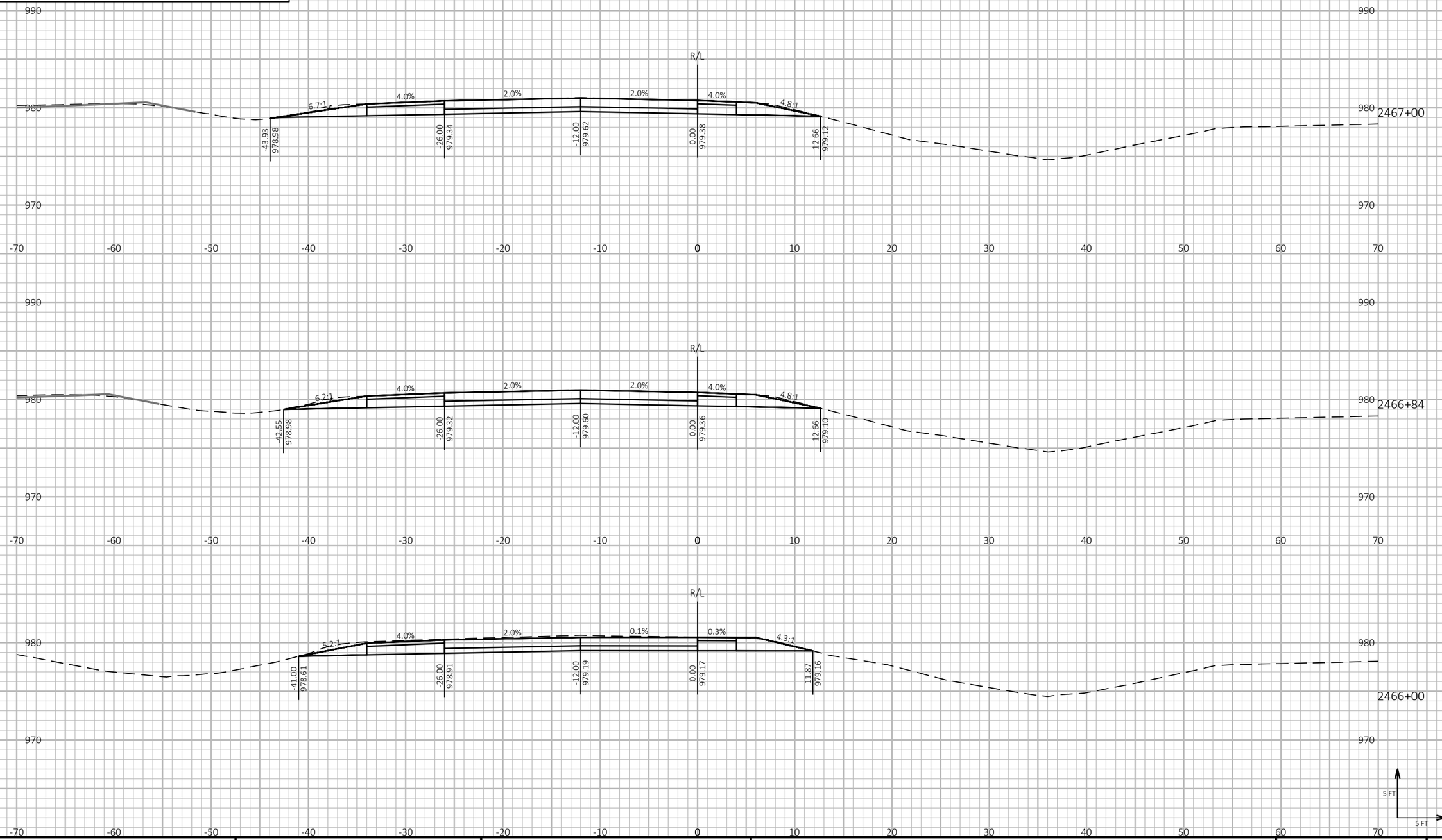
PLOT DATE : 7/26/2023 1:39 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 1011	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090212-XS.DWG
LAYOUT NAME - 20

PLOT DATE : 7/26/2023 1:39 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

LEGEND

TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)

TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 1012	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090212-XS.DWG
LAYOUT NAME - 21

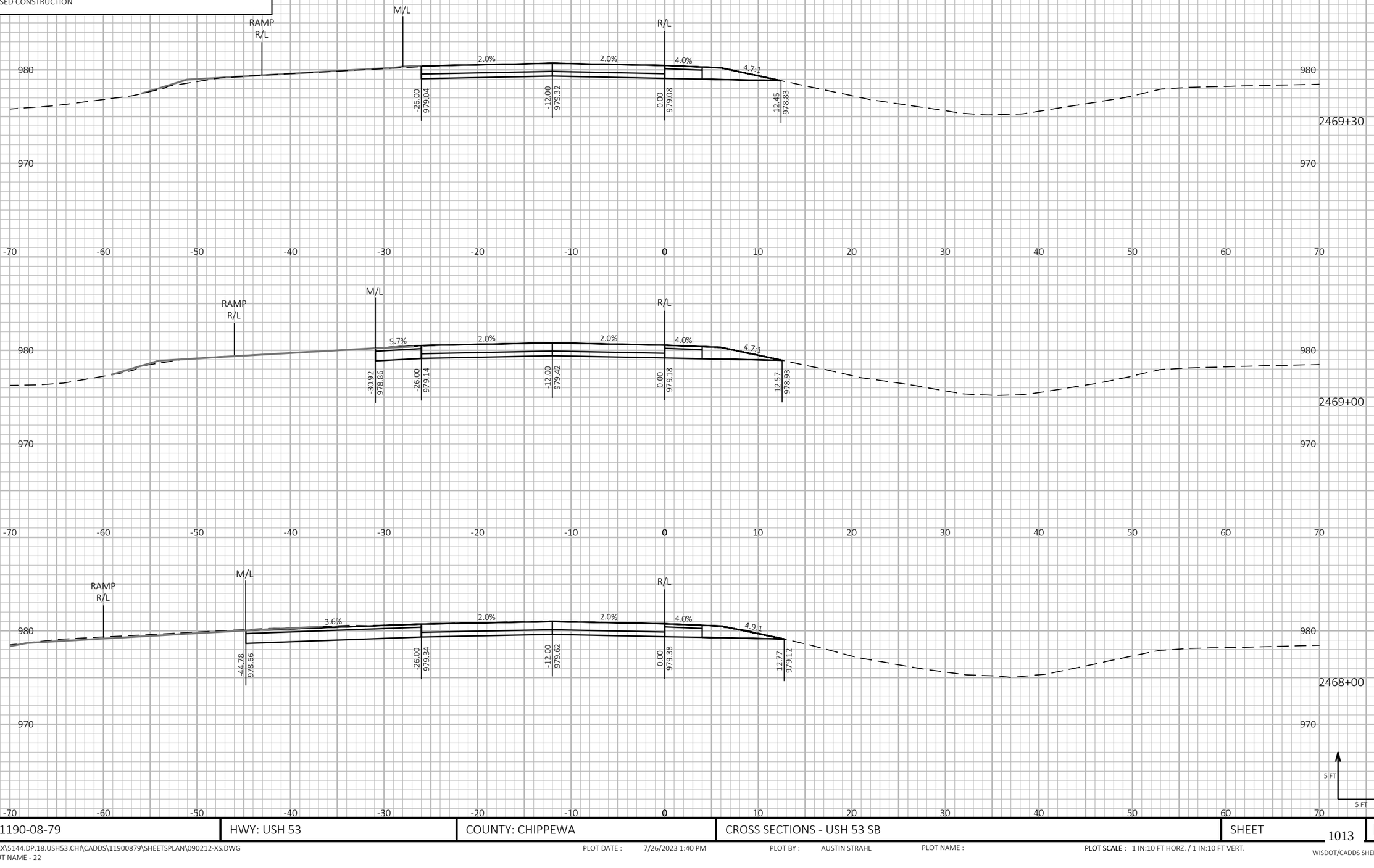
PLOT DATE : 7/26/2023 1:40 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 1013	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090212-XS.DWG
LAYOUT NAME - 22

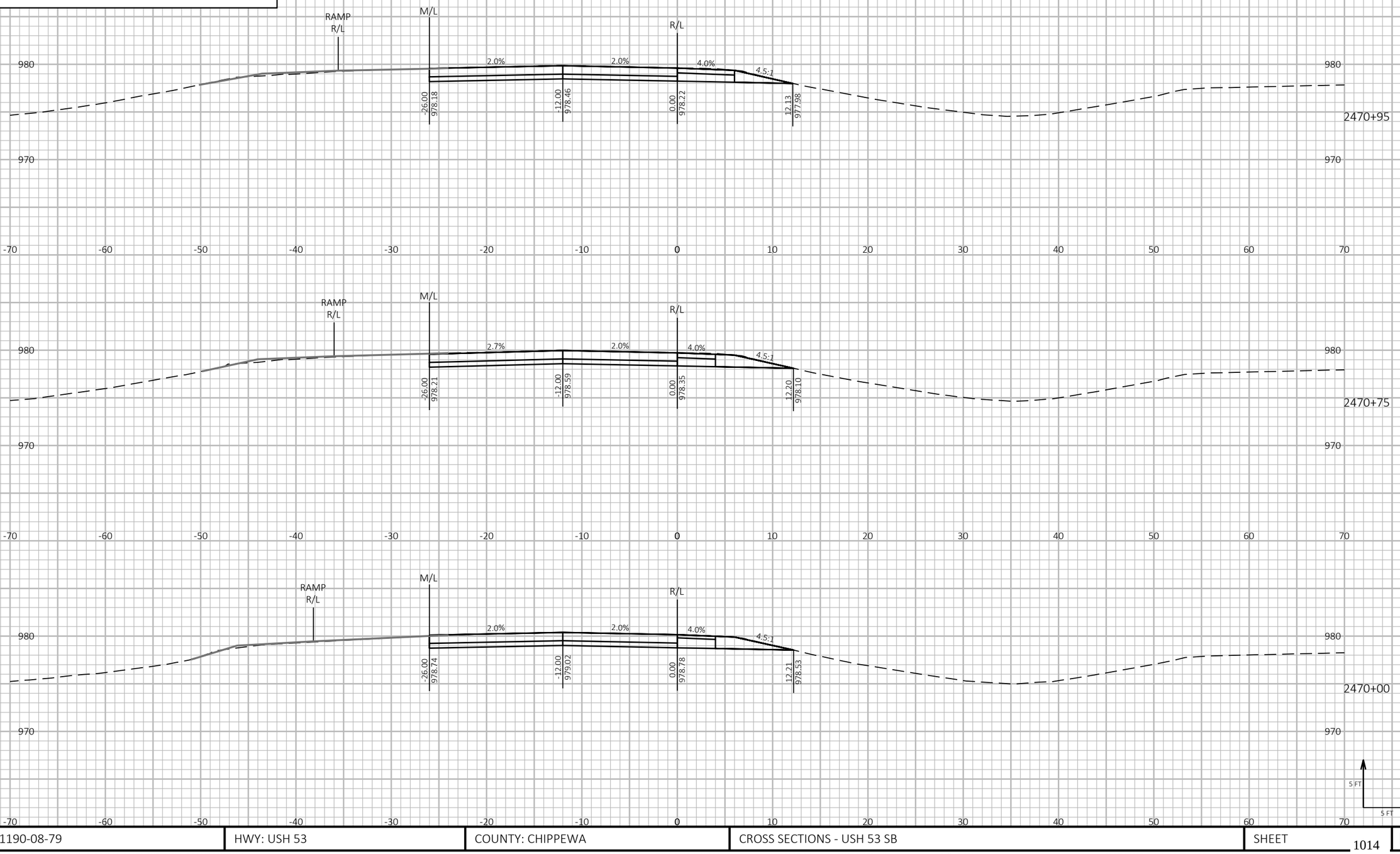
PLOT DATE : 7/26/2023 1:40 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 1014	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090212-XS.DWG
LAYOUT NAME - 23

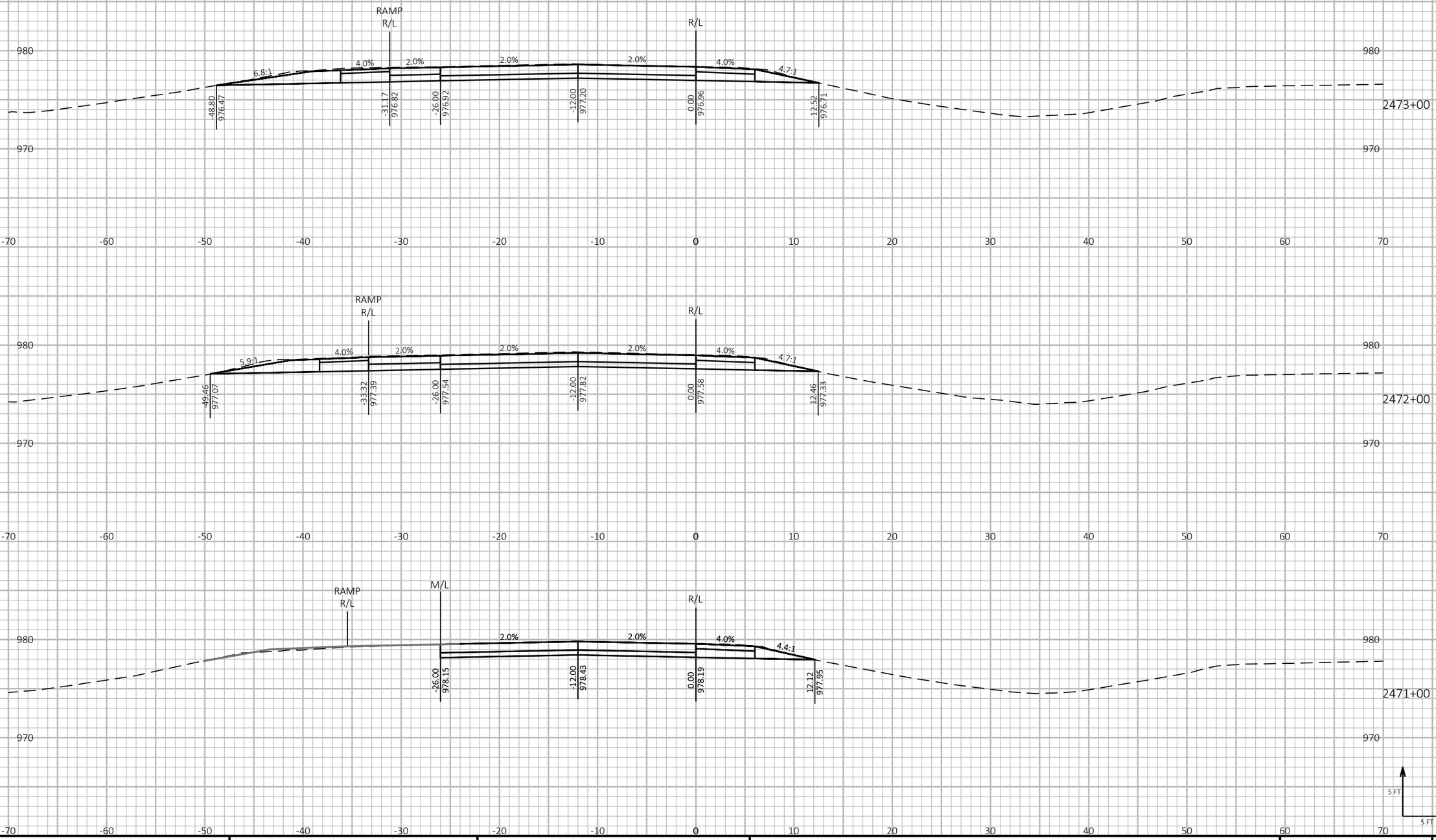
PLOT DATE : 7/26/2023 1:40 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 1015	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090212-XS.DWG
LAYOUT NAME - 24

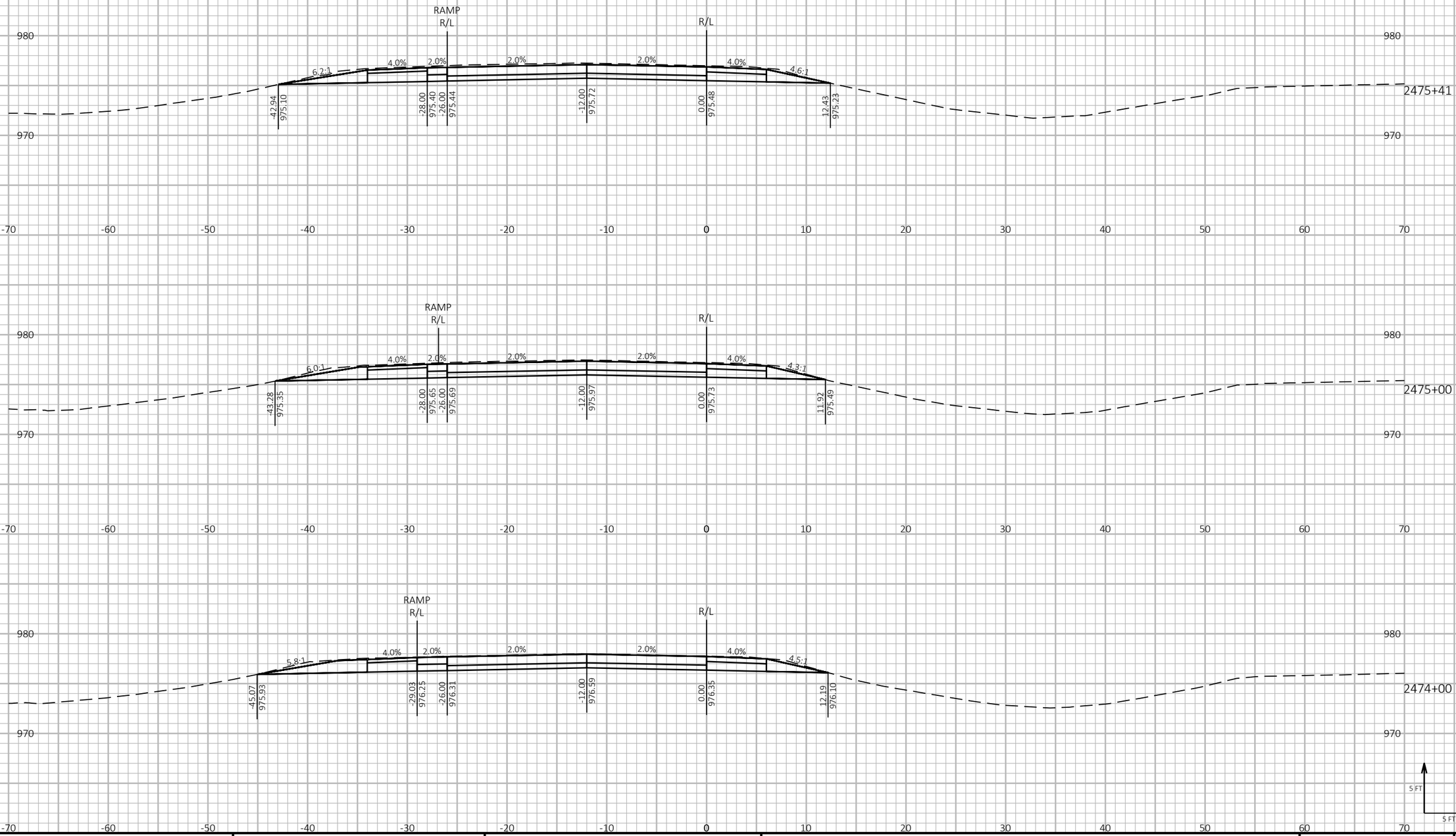
PLOT DATE : 7/26/2023 1:40 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 1016	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090212-XS.DWG
LAYOUT NAME - 25

PLOT DATE : 7/26/2023 1:41 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

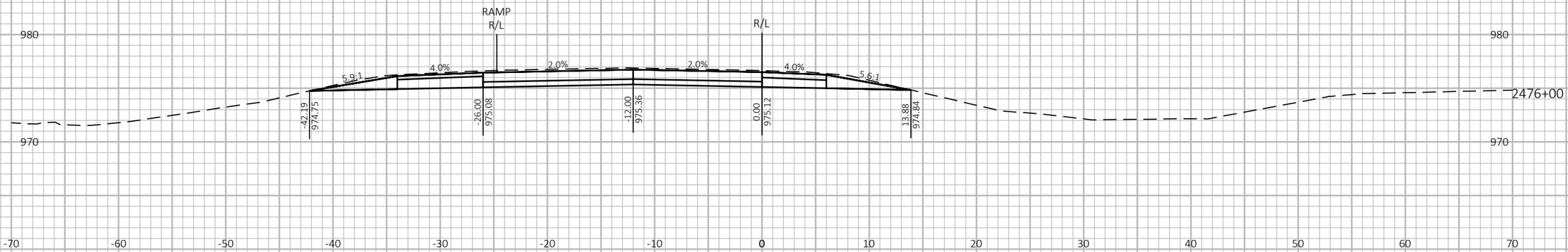
WISDOT/CADDS SHEET 49

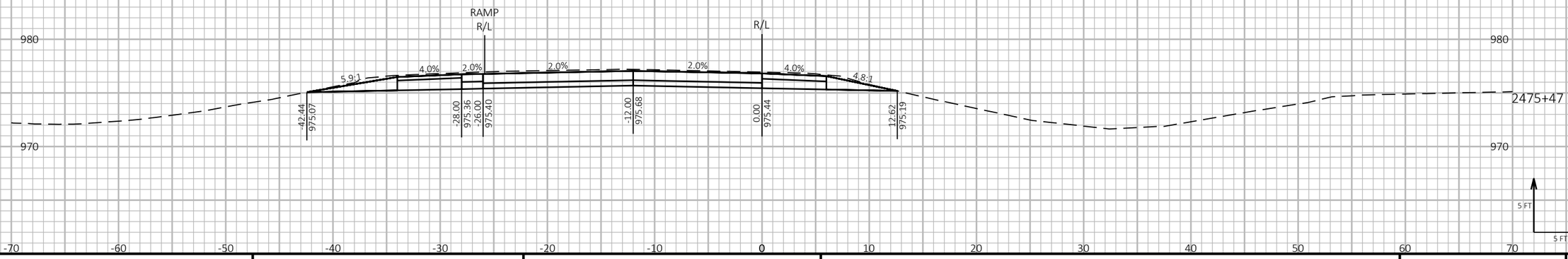
LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 1017	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090212-XS.DWG
LAYOUT NAME - 26

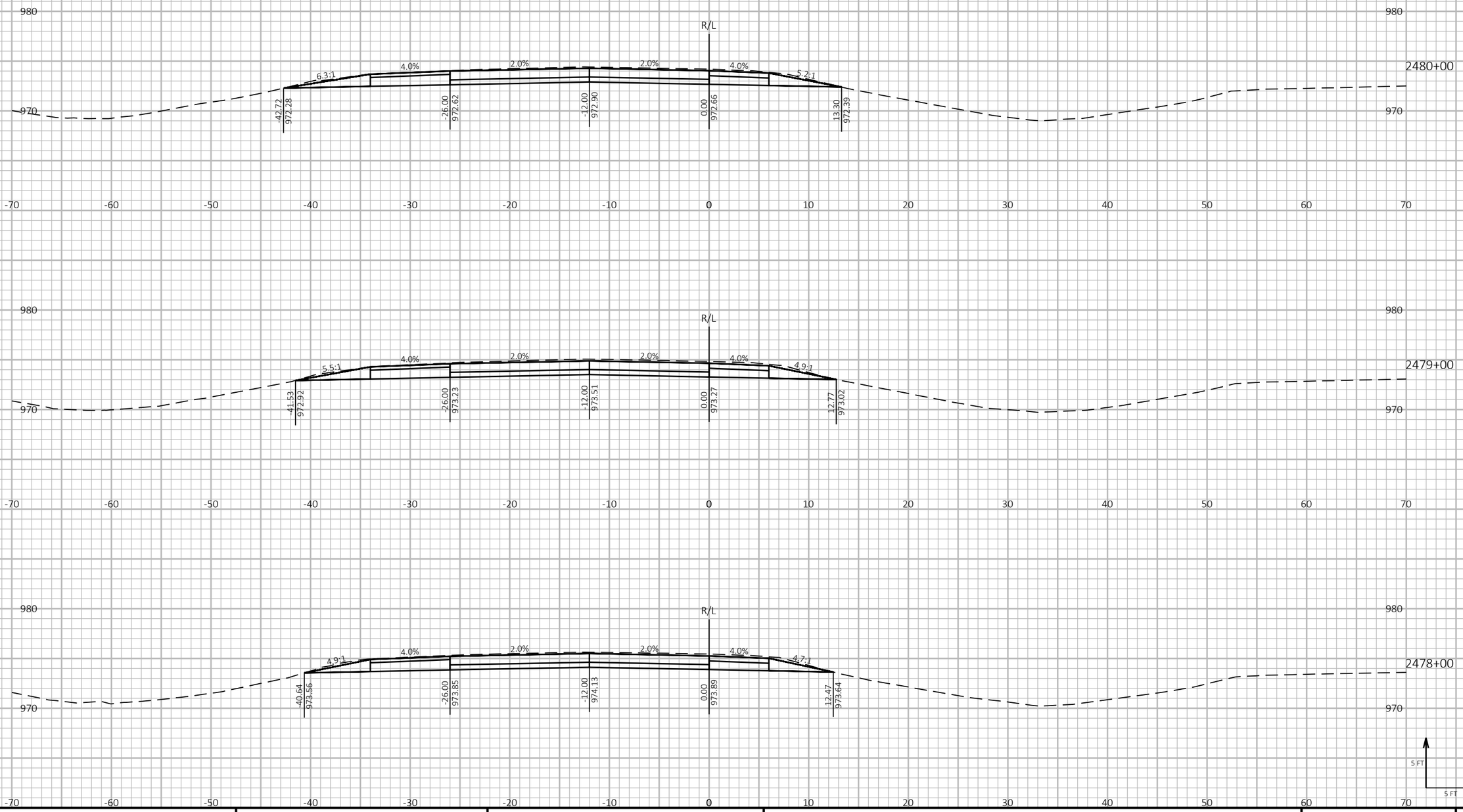
PLOT DATE : 7/26/2023 1:41 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 1018	E

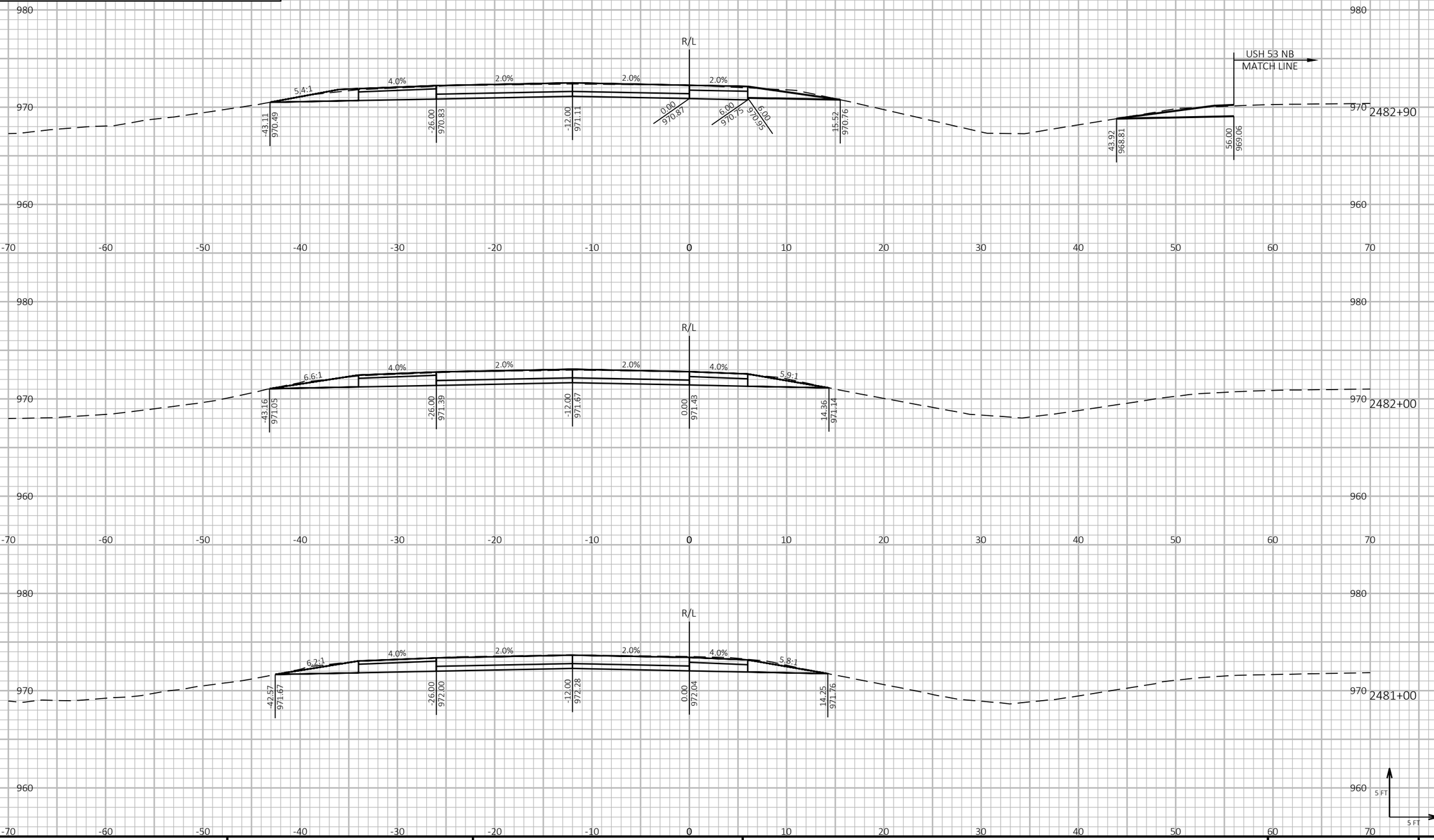
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LAYOUT NAME - 27

PLOT DATE : 7/26/2023 1:41 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 1019	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090212-XS.DWG
LAYOUT NAME - 28

PLOT DATE : 7/26/2023 1:41 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

WISDOT/CADDS SHEET 49

LEGEND

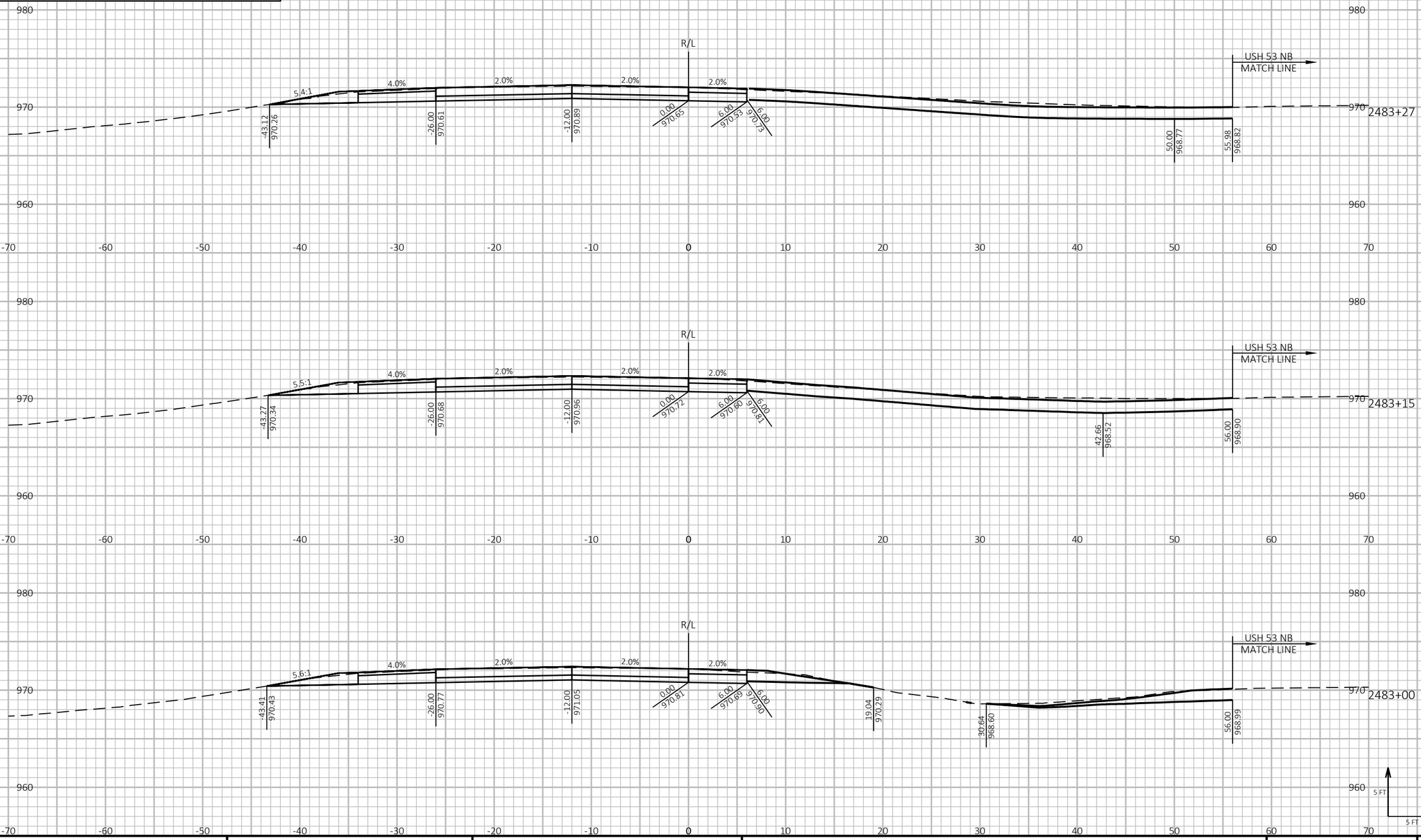
TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)

TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 1020	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090212-XS.DWG
LAYOUT NAME - 29

PLOT DATE : 7/26/2023 1:42 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

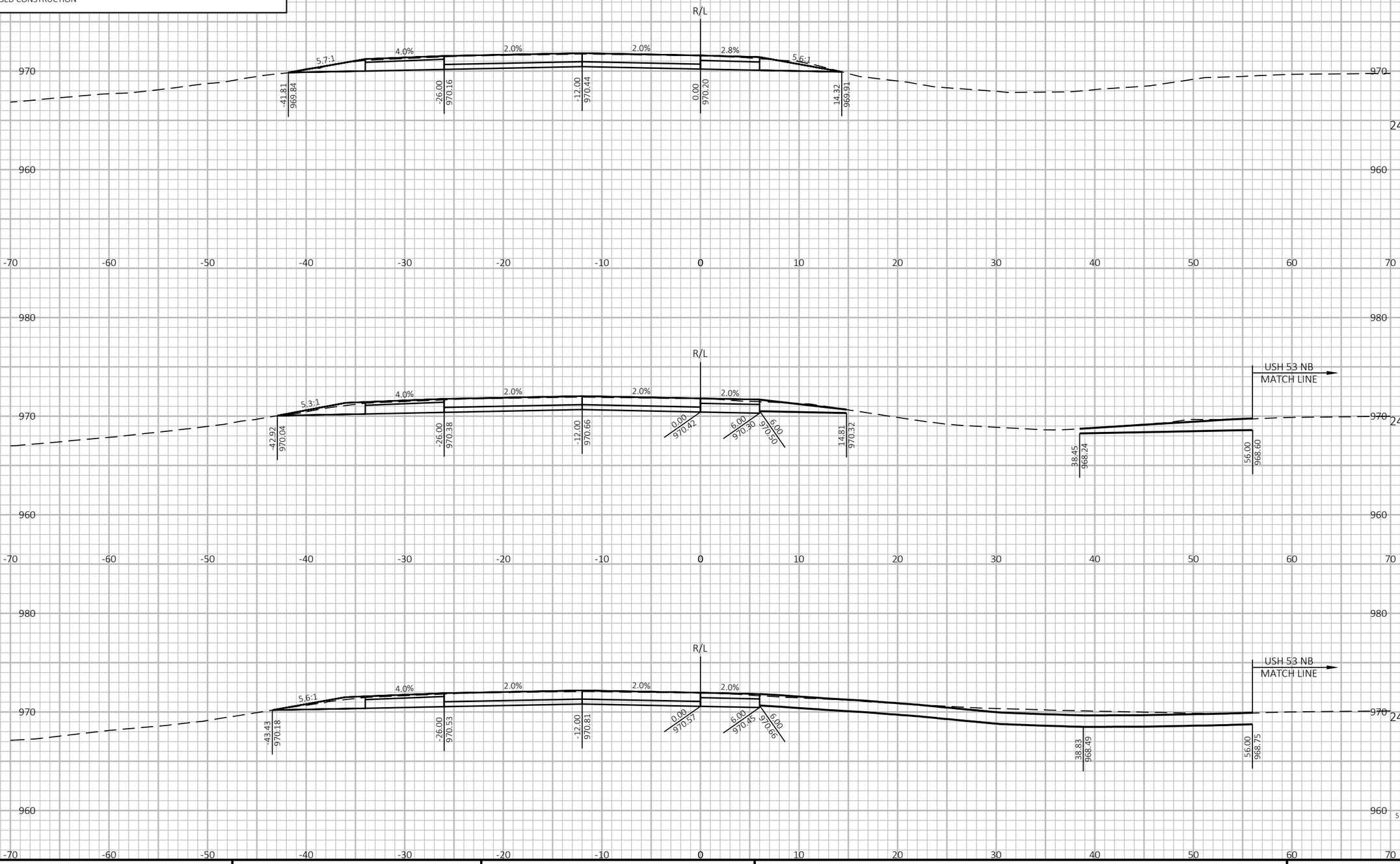
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 1021	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090212-XS.DWG
LAYOUT NAME - 30

PLOT DATE : 7/26/2023 1:42 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

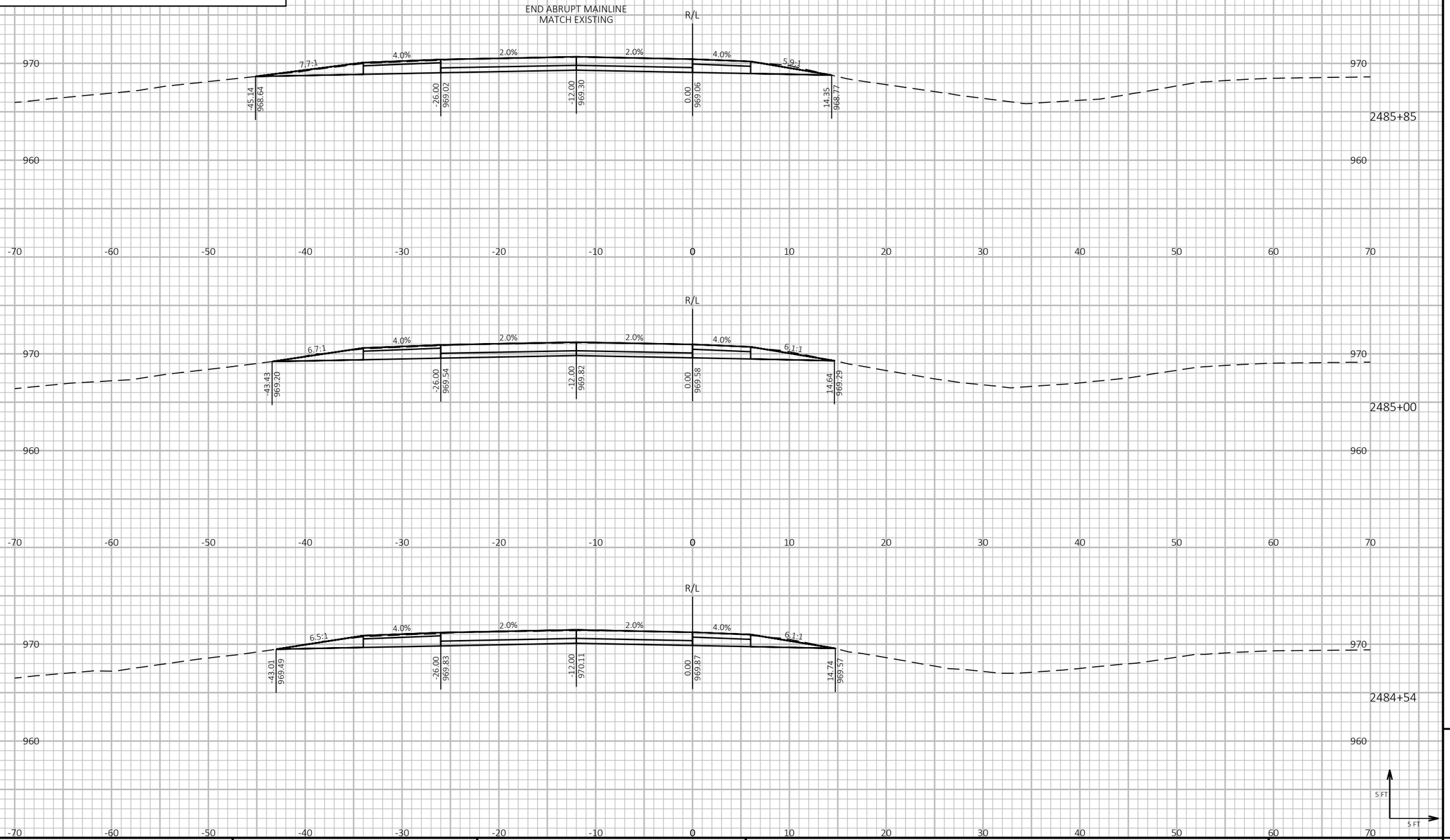
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

LEGEND

- TEMPORARY GUARDRAIL SURFACE (PREVIOUSLY CONSTRUCTED)
- TEMPORARY GRADING TO BE REMOVED AND RESTORED TO ORIGINAL GROUND
- PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)
- PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB	SHEET 1022	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090212-XS.DWG
LAYOUT NAME - 31

PLOT DATE : 7/26/2023 1:42 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

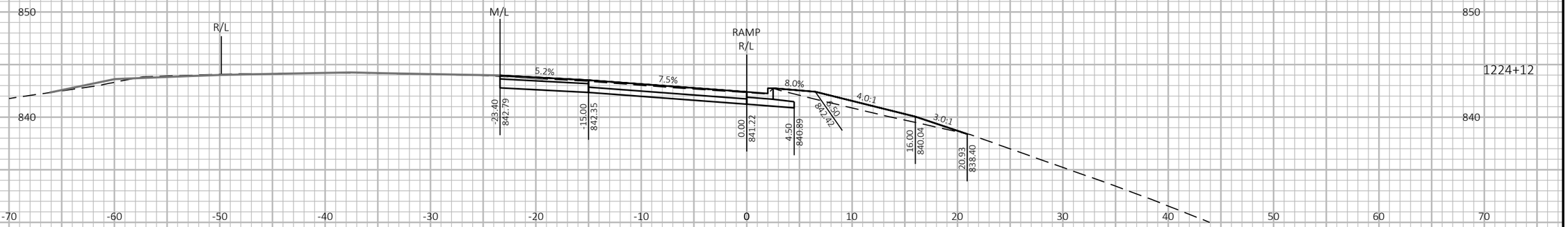
WISDOT/CADDS SHEET 49

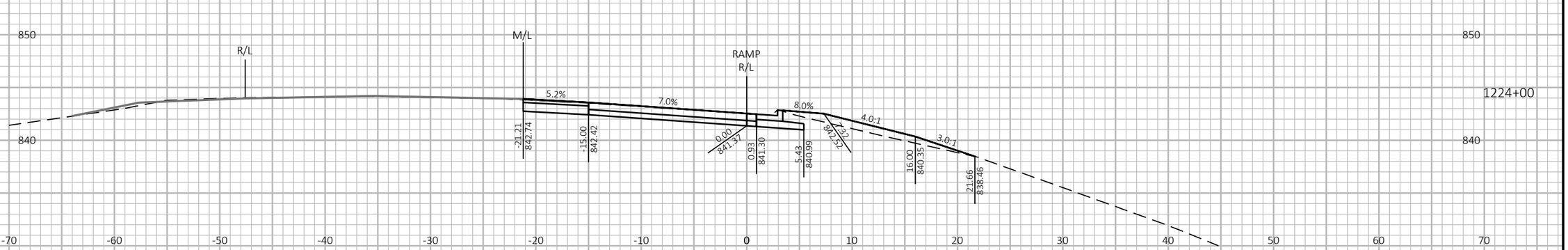
LEGEND

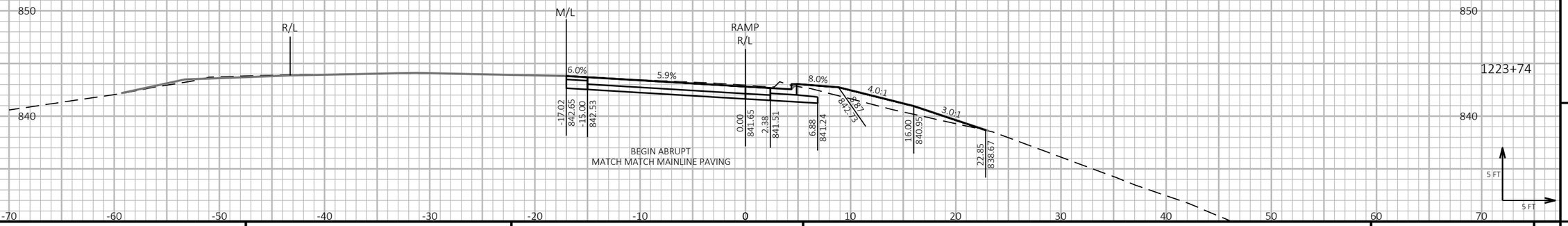
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/BUS 29 EXIT - 'XA' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/BUS 29 EXIT	SHEET 1023 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090213-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 1:44 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

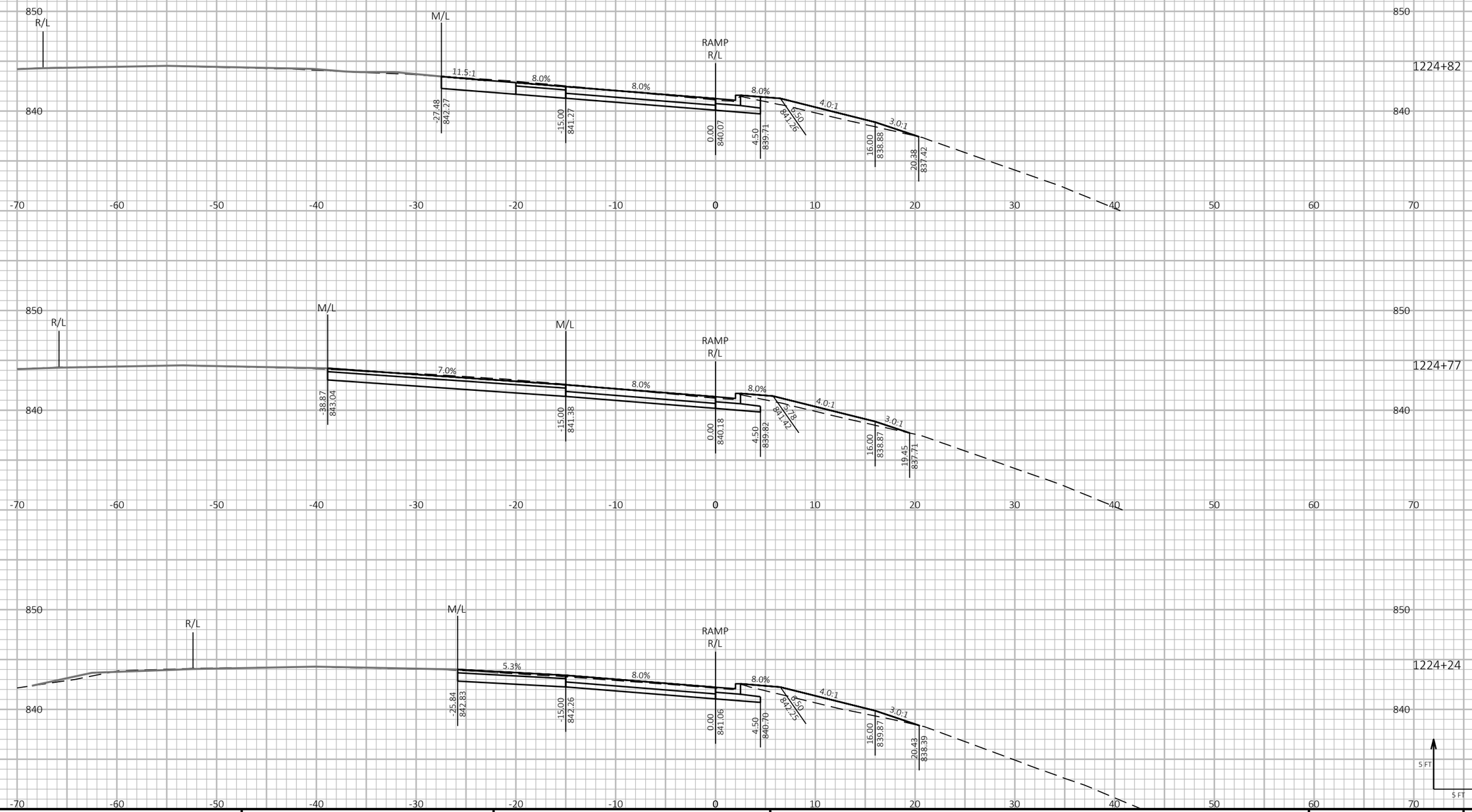
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/BUS 29 EXIT - 'XA' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/BUS 29 EXIT	SHEET 1024	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090213-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/26/2023 1:45 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

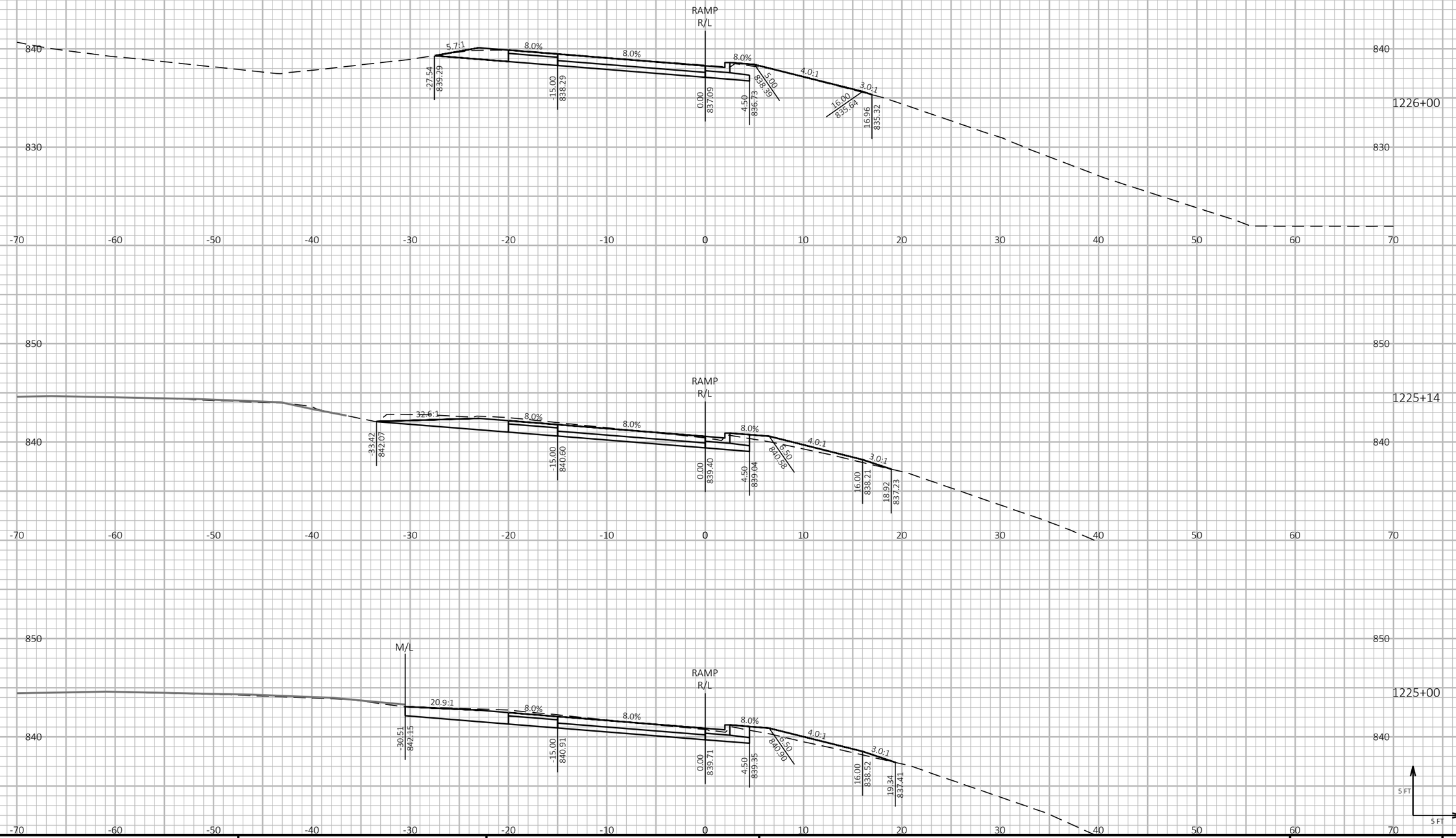
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/BUS 29 EXIT - 'XA' ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/BUS 29 EXIT	SHEET 1025	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090213-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/26/2023 1:45 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

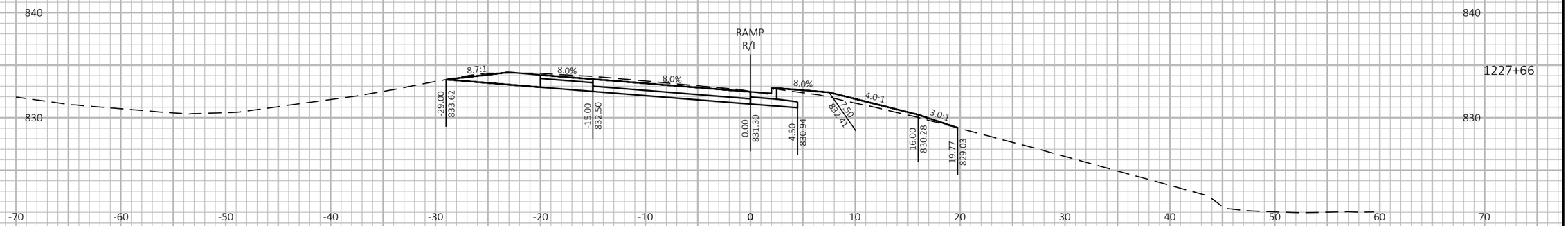
WISDOT/CADDS SHEET 49

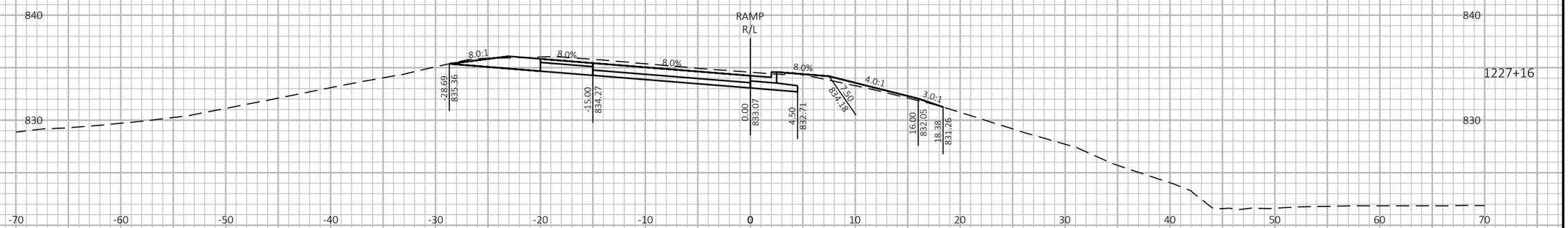
LEGEND

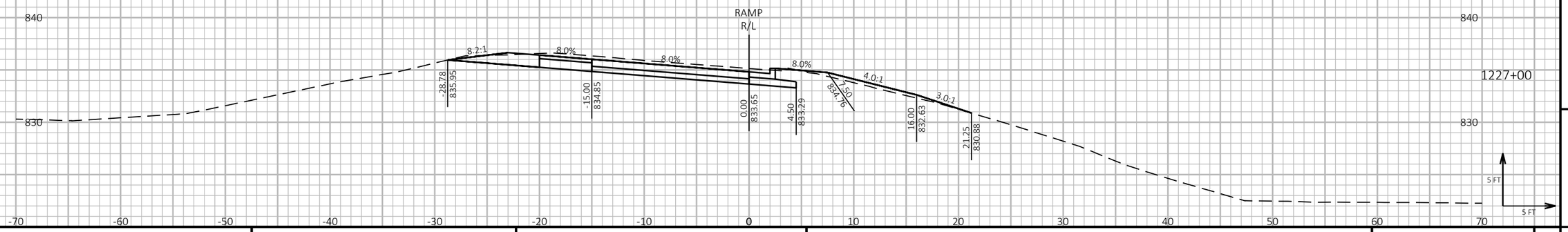
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/BUS 29 EXIT - 'XA' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/BUS 29 EXIT	SHEET 1026	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090213-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 7/26/2023 1:45 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

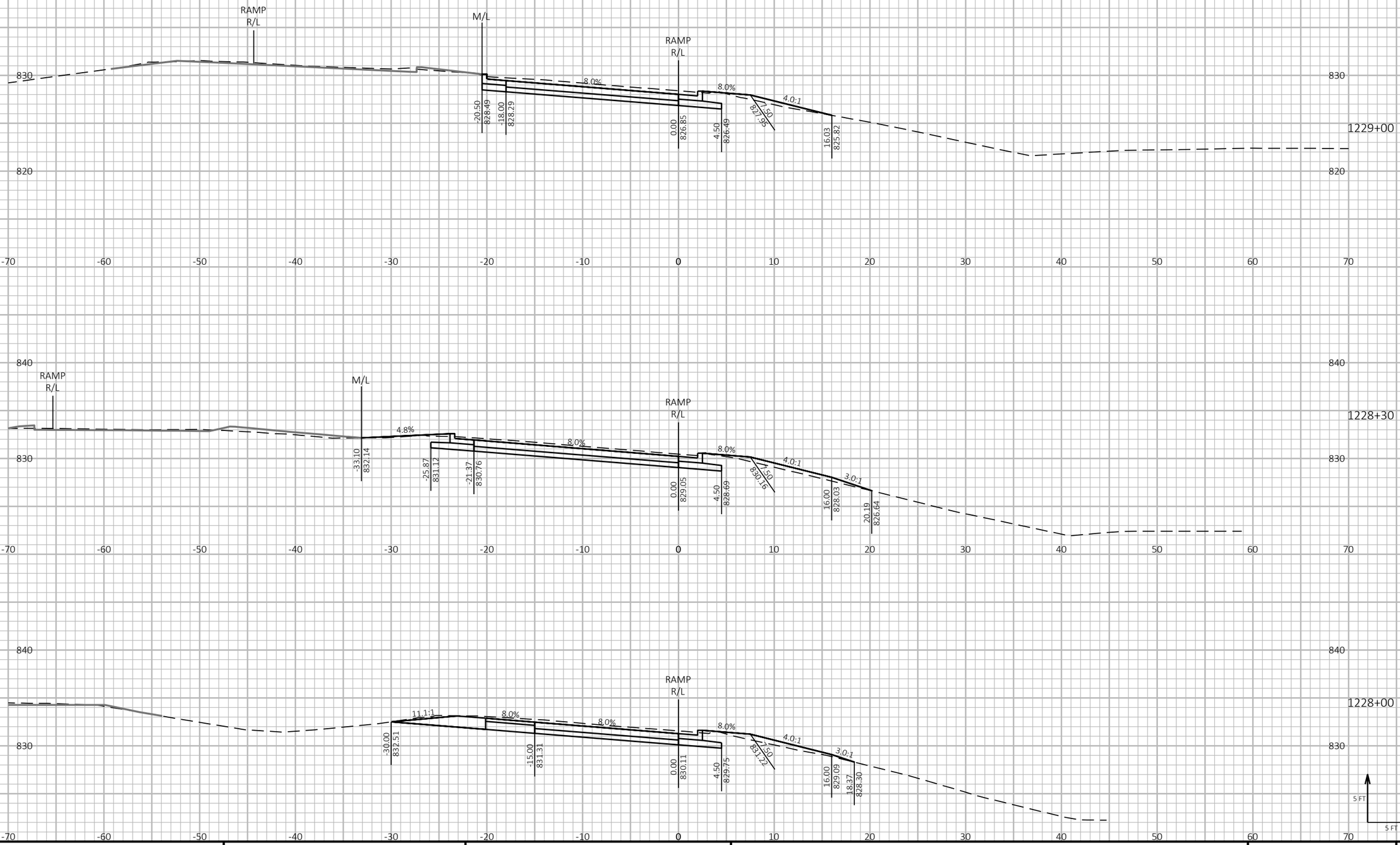
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/BUS 29 EXIT - 'XA' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/BUS 29 EXIT	SHEET 1027 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090213-XS.DWG
LAYOUT NAME - 05

PLOT DATE : 7/26/2023 1:46 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

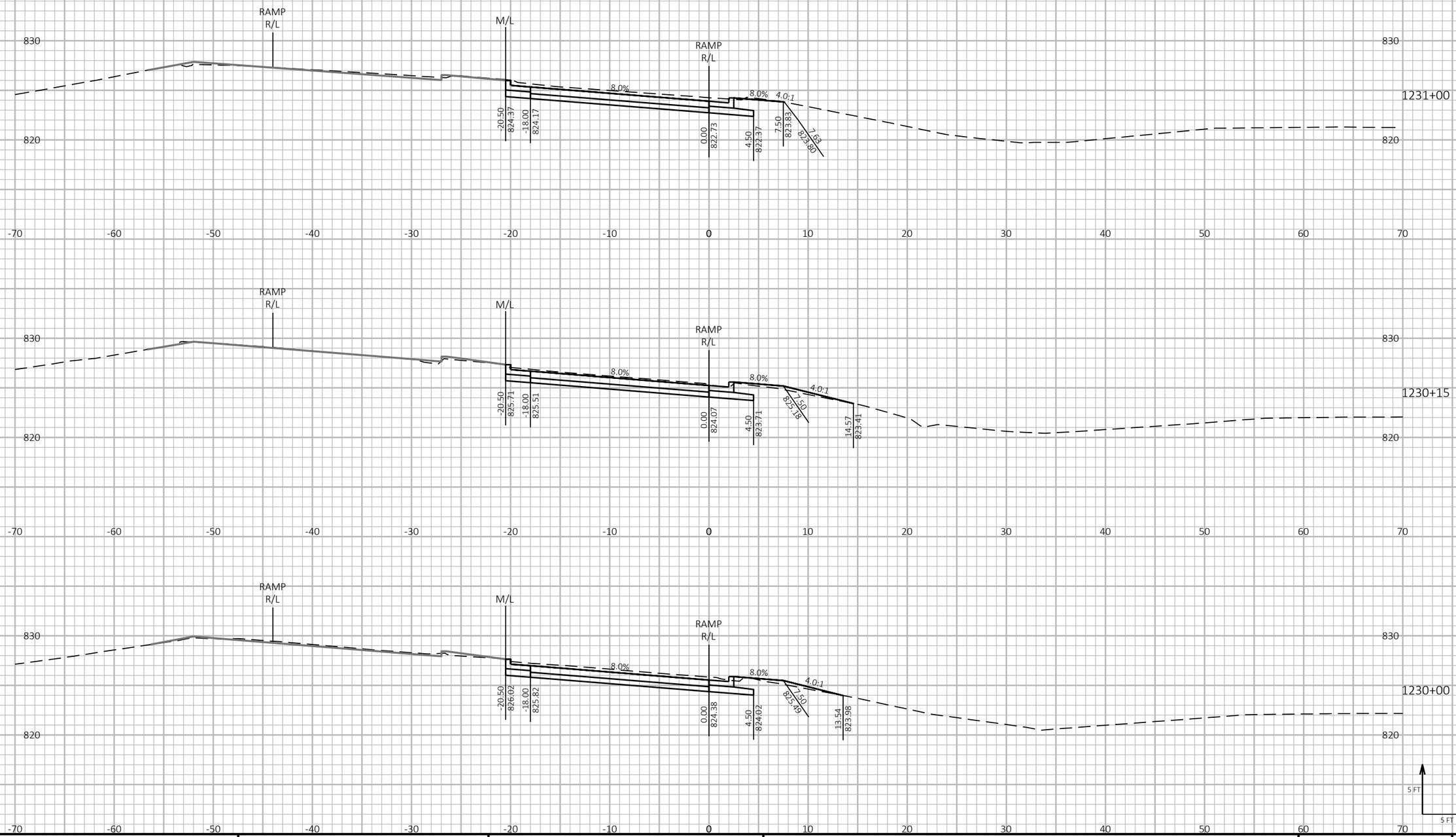
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/BUS 29 EXIT - 'XA' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/BUS 29 EXIT	SHEET 1028	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090213-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/26/2023 1:46 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

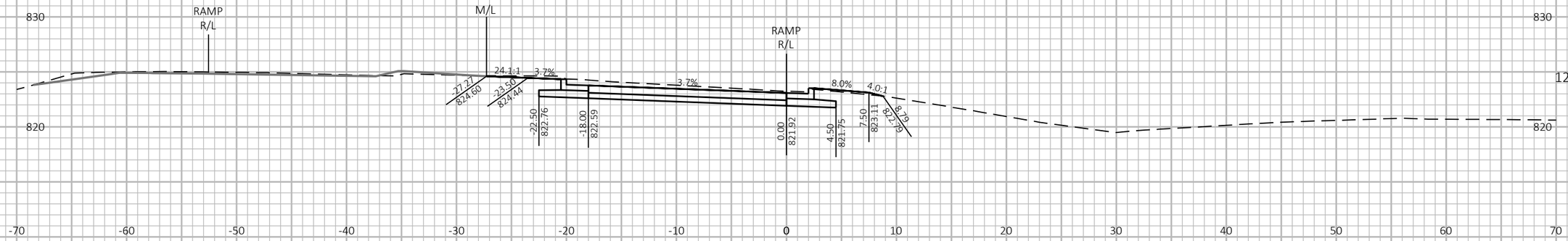
WISDOT/CADDS SHEET 49

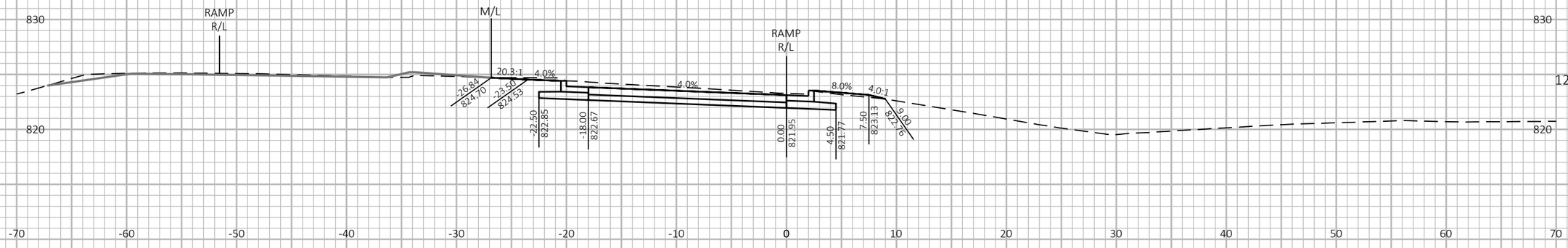
LEGEND

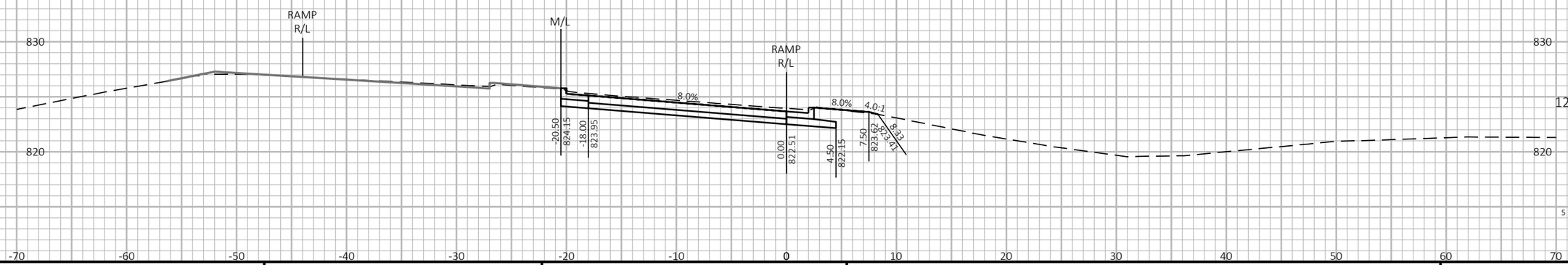
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/BUS 29 EXIT - 'XA' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/BUS 29 EXIT	SHEET 1029	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090213-XS.DWG
LAYOUT NAME - 07

PLOT DATE : 7/26/2023 1:46 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

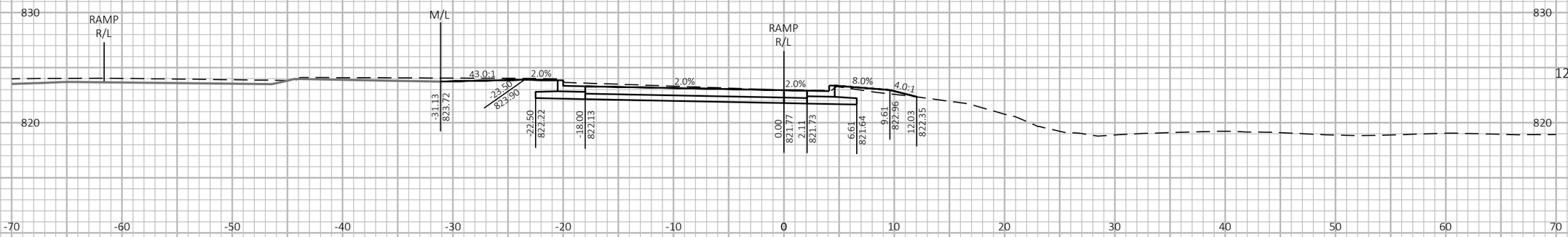
WISDOT/CADDS SHEET 49

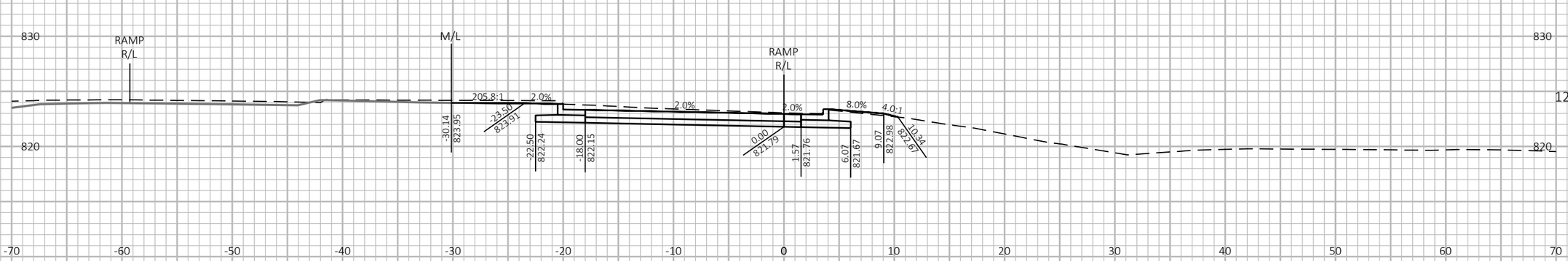
LEGEND

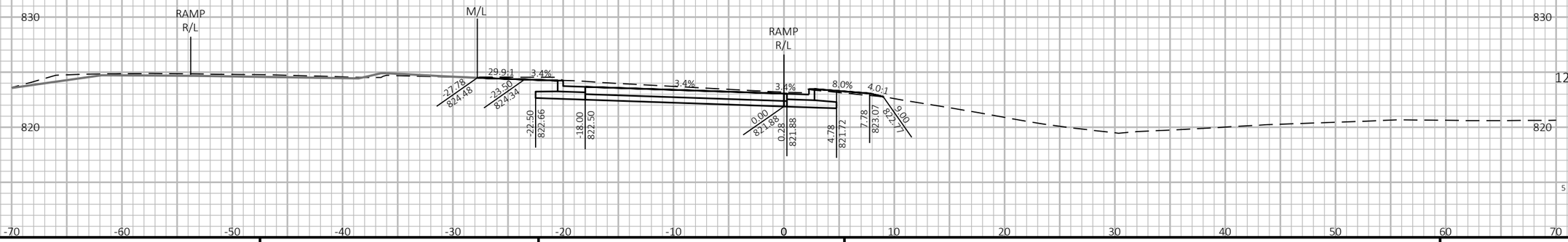
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/BUS 29 EXIT - 'XA' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/BUS 29 EXIT	SHEET 1030	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090213-XS.DWG
LAYOUT NAME - 08

PLOT DATE : 7/26/2023 1:47 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

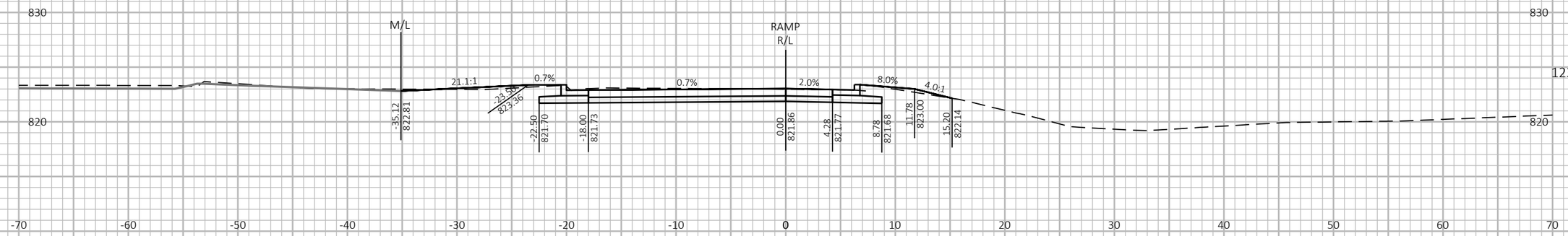
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

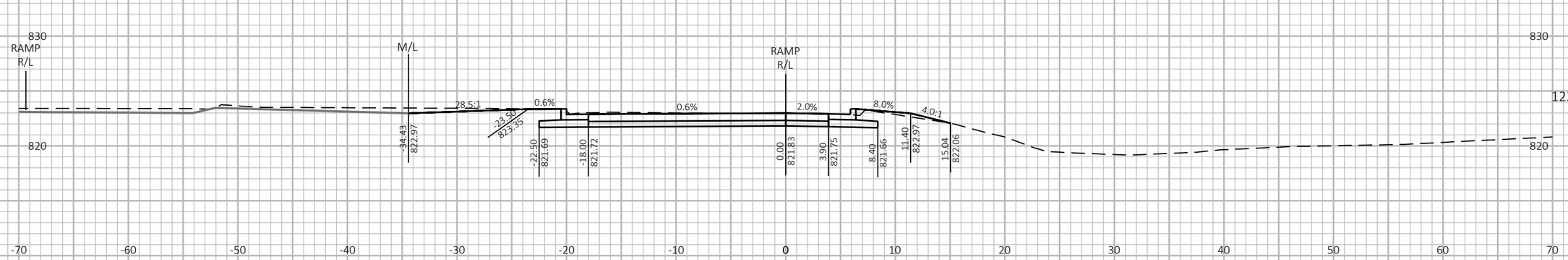
LEGEND

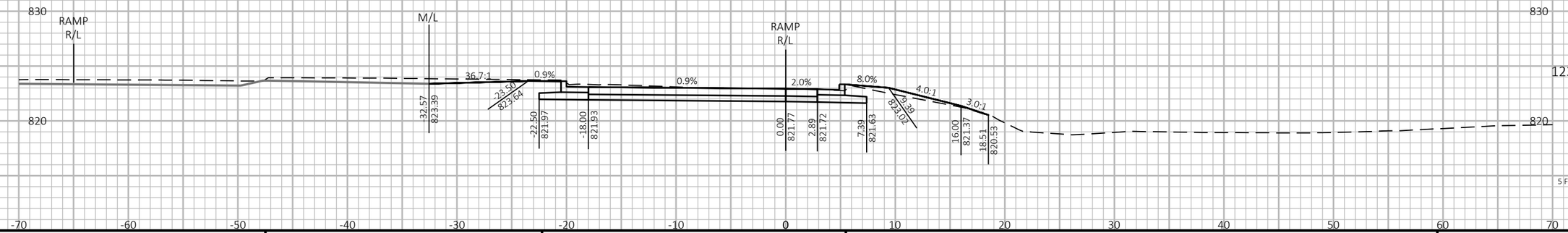
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/BUS 29 EXIT - 'XA' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/BUS 29 EXIT	SHEET 1031	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090213-XS.DWG
LAYOUT NAME - 09

PLOT DATE : 7/26/2023 1:47 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

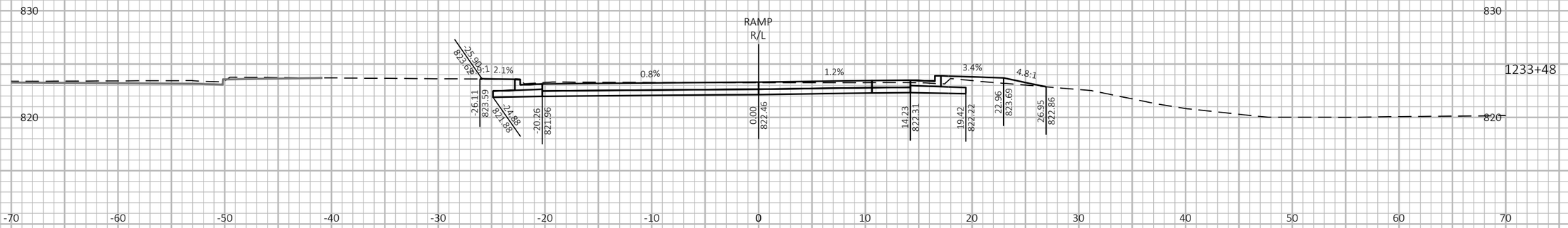
WISDOT/CADDS SHEET 49

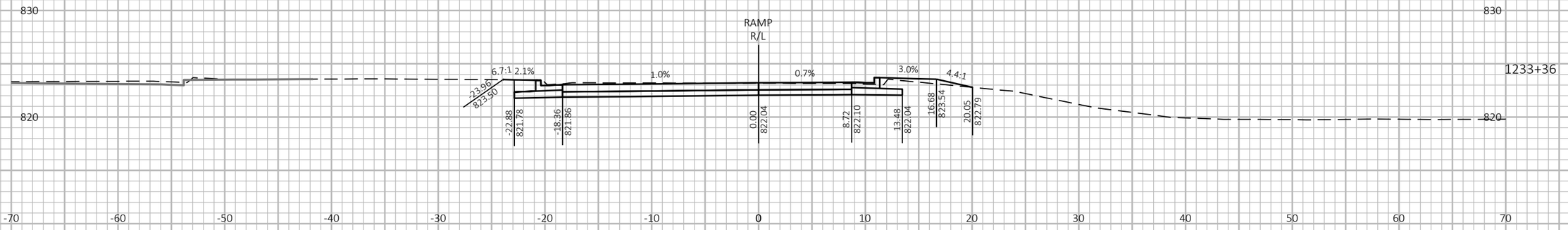
LEGEND

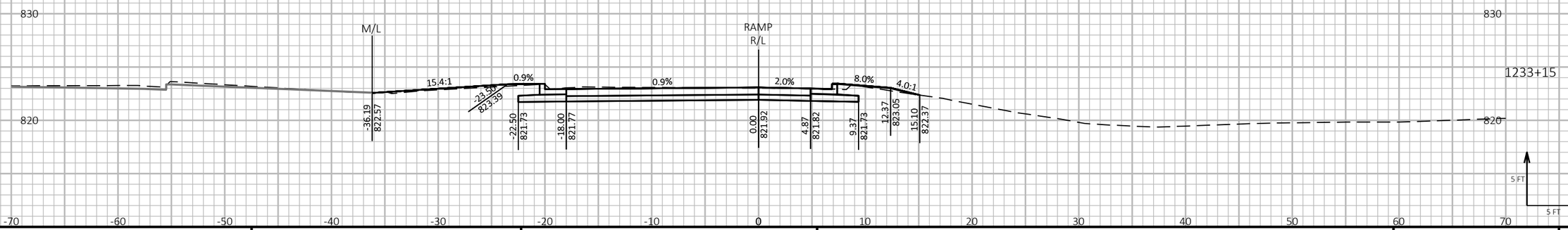
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/BUS 29
EXIT - 'XA' ALIGNMENT







9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/BUS 29 EXIT	SHEET 1032	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090213-XS.DWG
LAYOUT NAME - 10

PLOT DATE : 7/26/2023 1:47 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

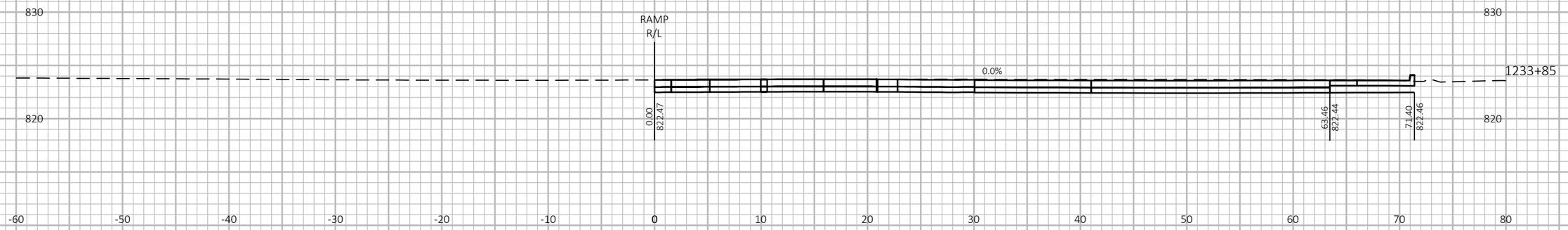
WISDOT/CADDS SHEET 49

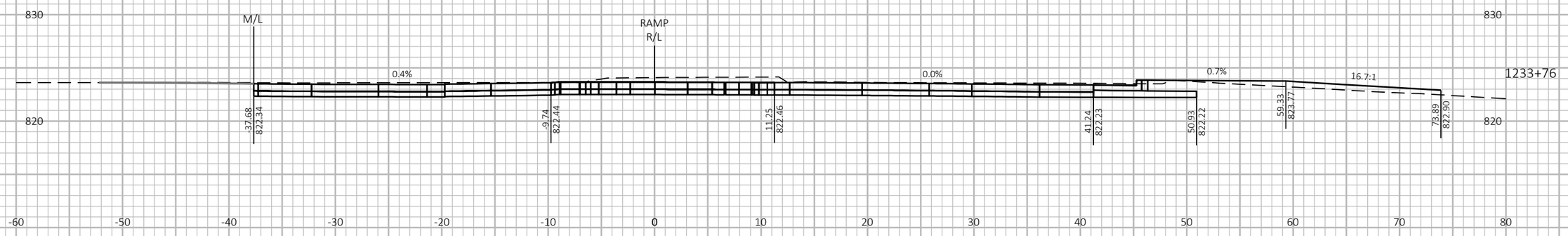
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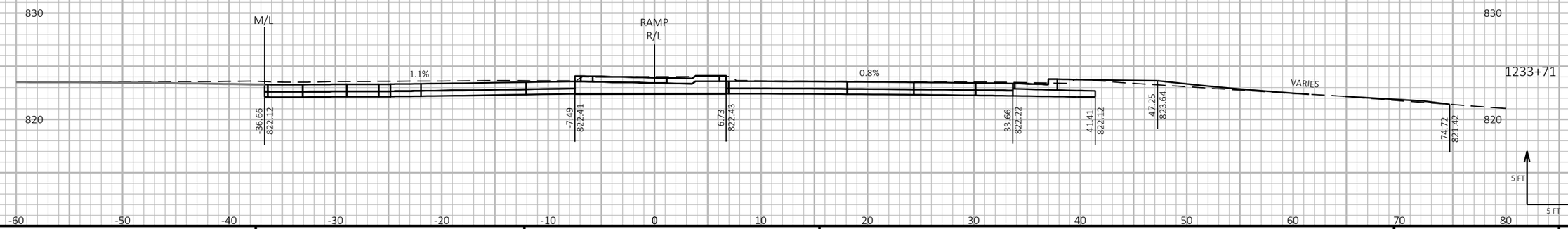
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/BUS 29 EXIT - 'XA' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/BUS 29 EXIT	SHEET 1033	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090213-XS.DWG
LAYOUT NAME - 11

PLOT DATE : 7/26/2023 1:48 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

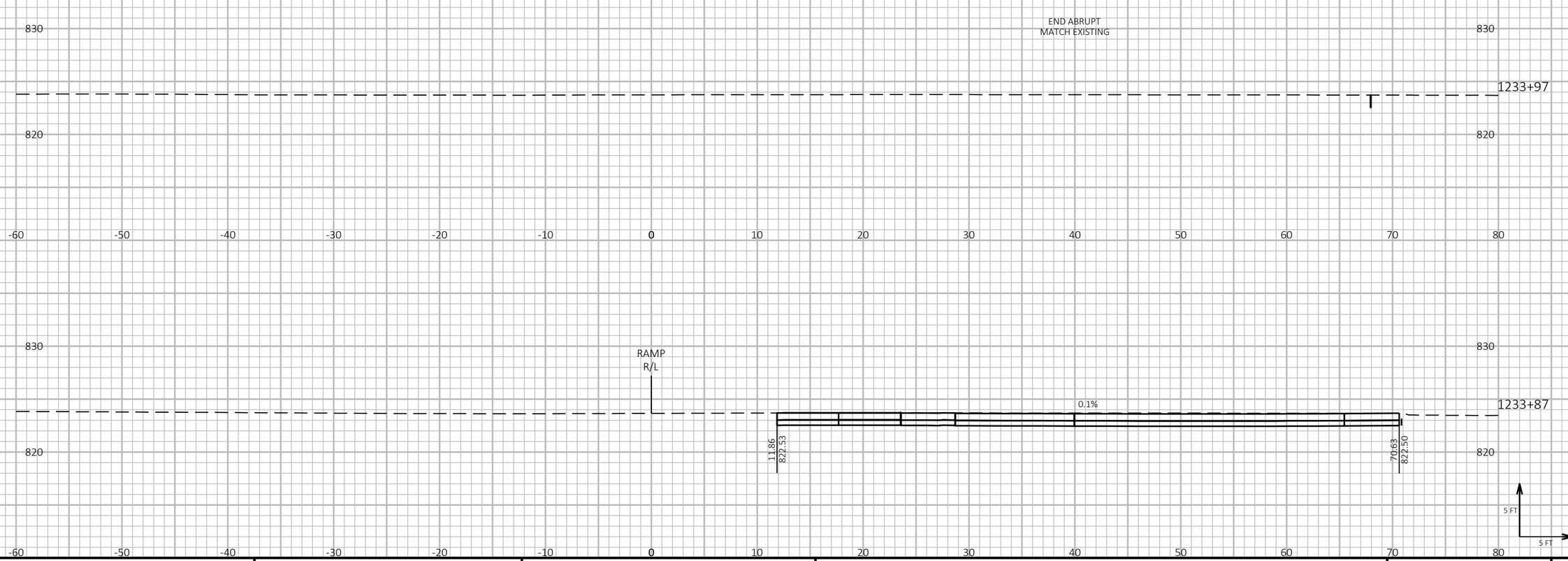
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/BUS 29 EXIT - 'XA' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/BUS 29 EXIT	SHEET 1034	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090213-XS.DWG
LAYOUT NAME - 12

PLOT DATE : 7/26/2023 1:48 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

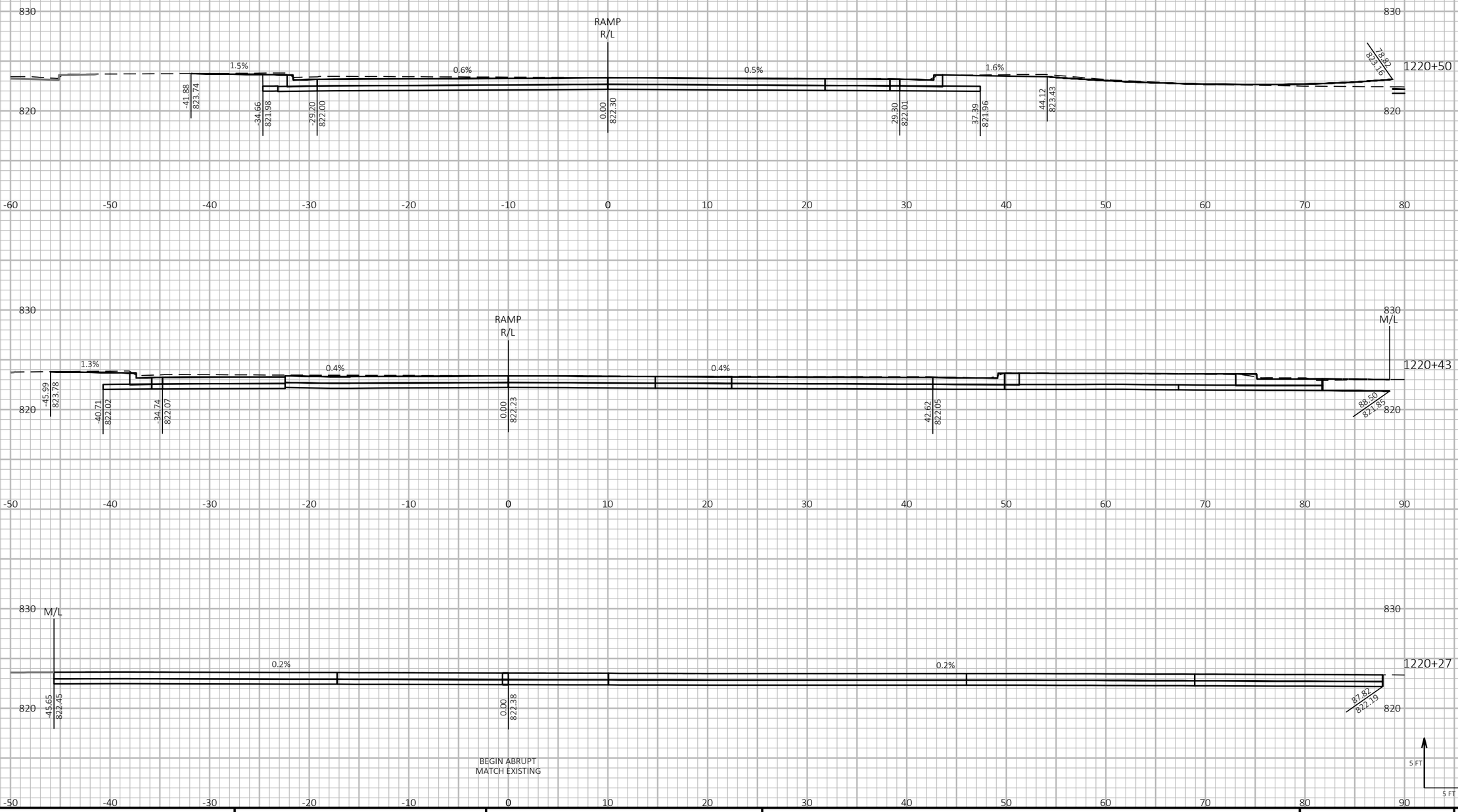
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/BUS 29 ENTRANCE - 'XB' ALIGNMENT



9

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/BUS 29 ENTRANCE	SHEET 1035	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090214-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 1:58 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

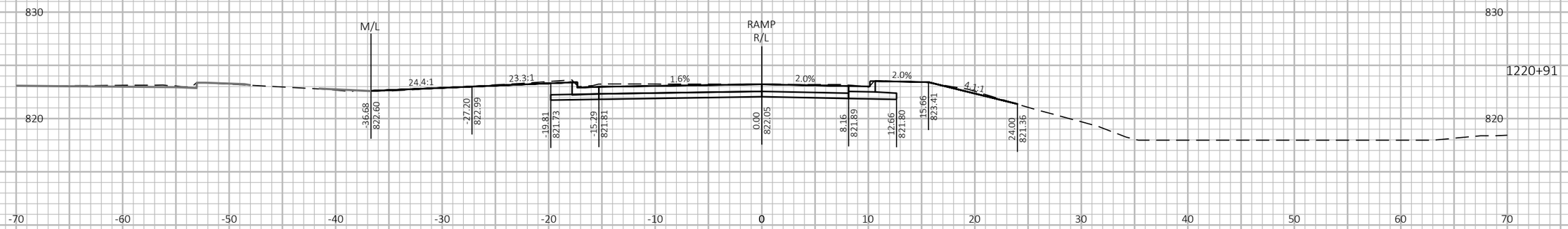
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

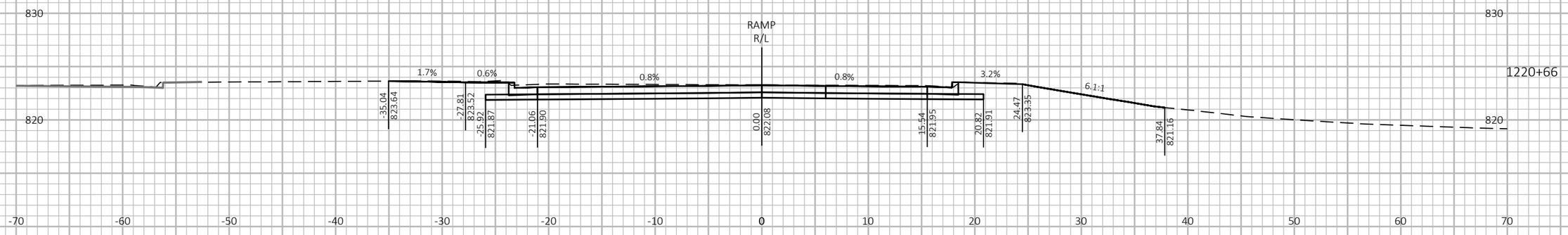
LEGEND

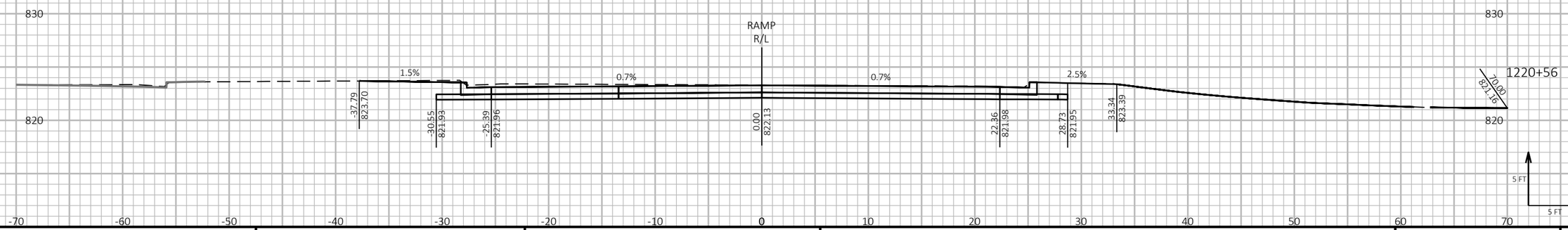
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/BUS 29 ENTRANCE - 'XB' ALIGNMENT







9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/BUS 29 ENTRANCE	SHEET 1036	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090214-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/26/2023 1:58 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

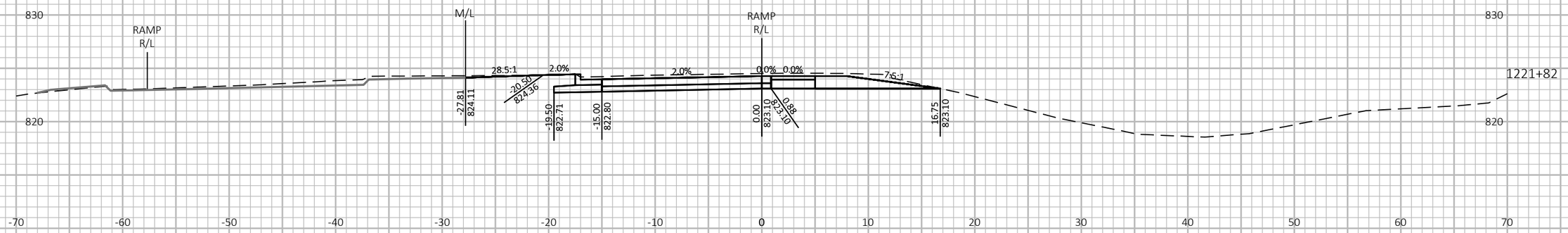
WISDOT/CADDS SHEET 49

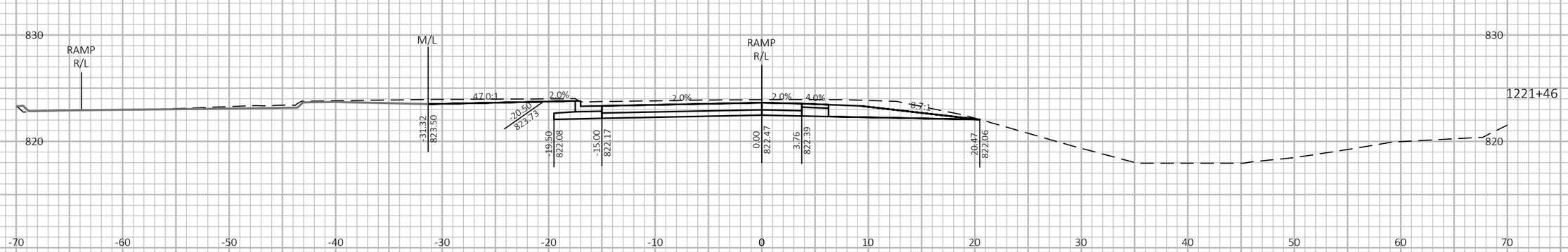
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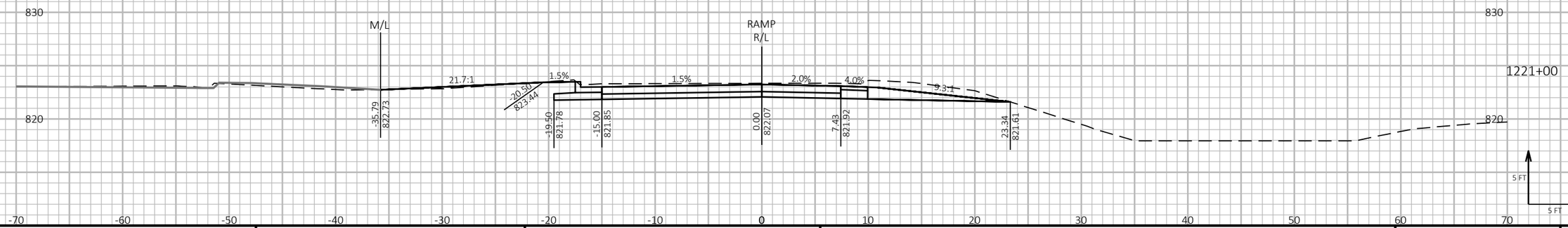
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/BUS 29 ENTRANCE - 'XB' ALIGNMENT







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9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/BUS 29 ENTRANCE	SHEET 1037	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090214-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/26/2023 1:58 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

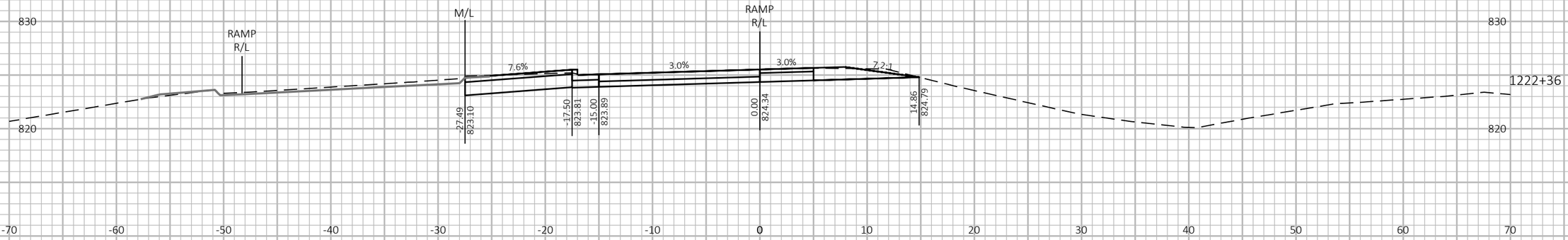
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

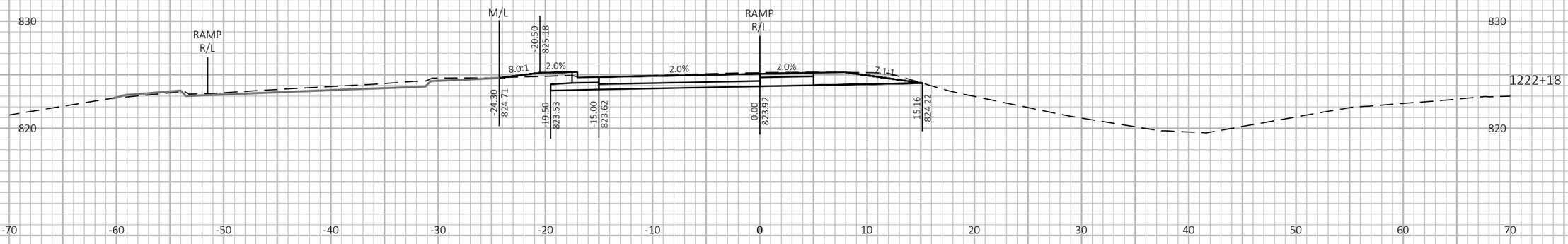
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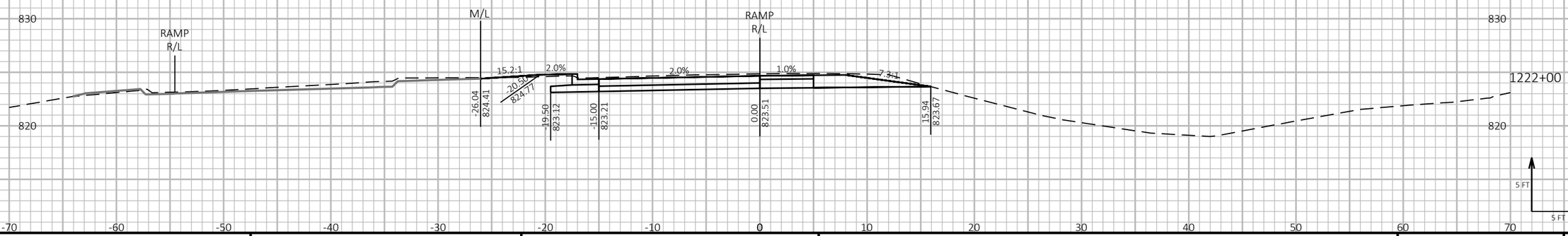
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/BUS 29 ENTRANCE - 'XB' ALIGNMENT







9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/BUS 29 ENTRANCE	SHEET 1038	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090214-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 7/26/2023 1:59 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

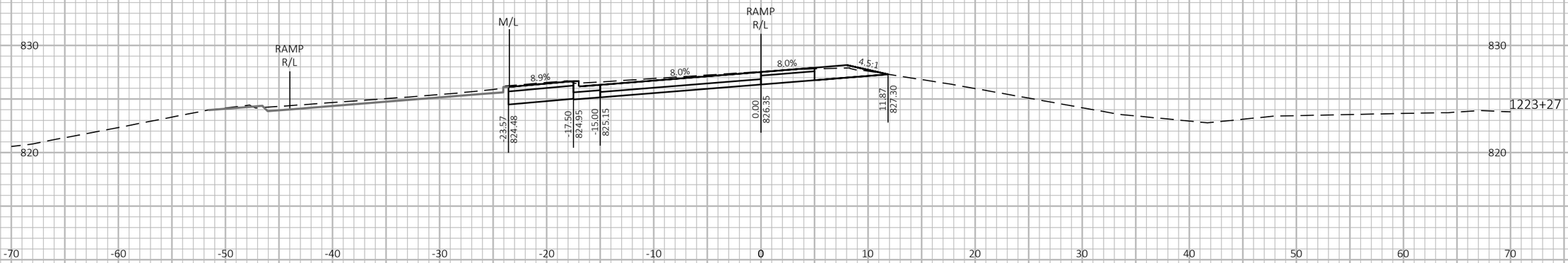
WISDOT/CADDS SHEET 49

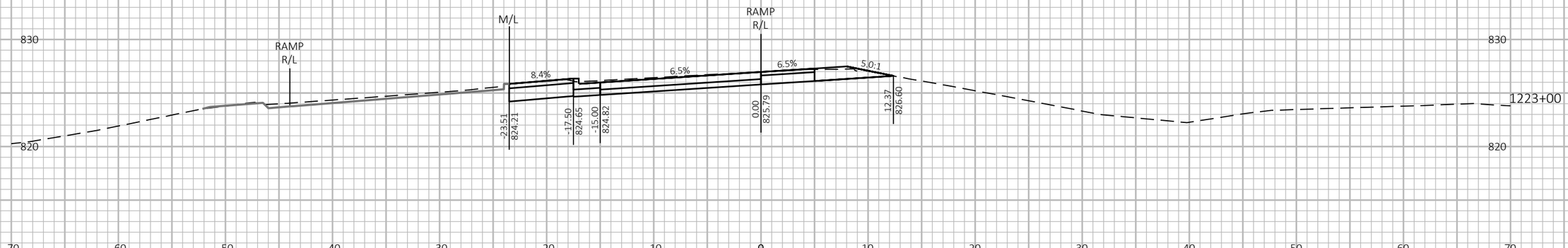
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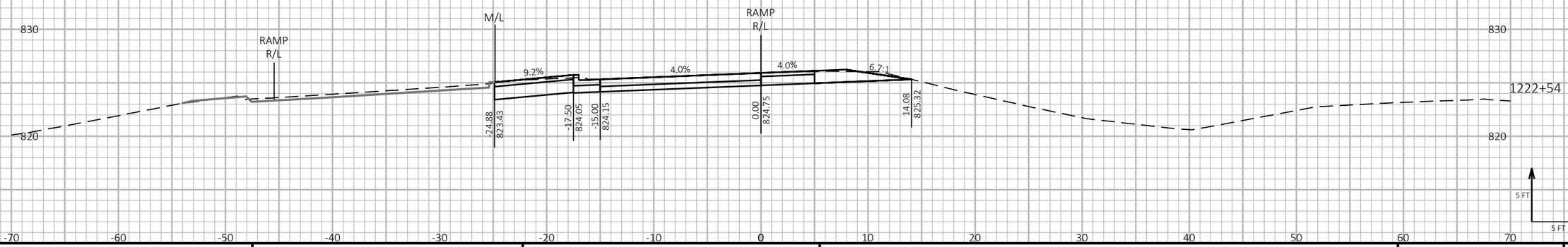
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/BUS 29 ENTRANCE - 'XB' ALIGNMENT







9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/BUS 29 ENTRANCE	SHEET 1039 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090214-XS.DWG
LAYOUT NAME - 05

PLOT DATE : 7/26/2023 1:59 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

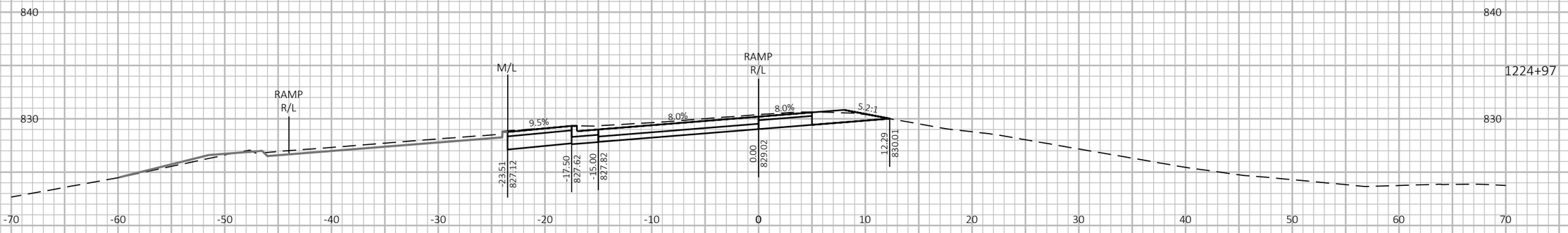
WISDOT/CADDS SHEET 49

LEGEND

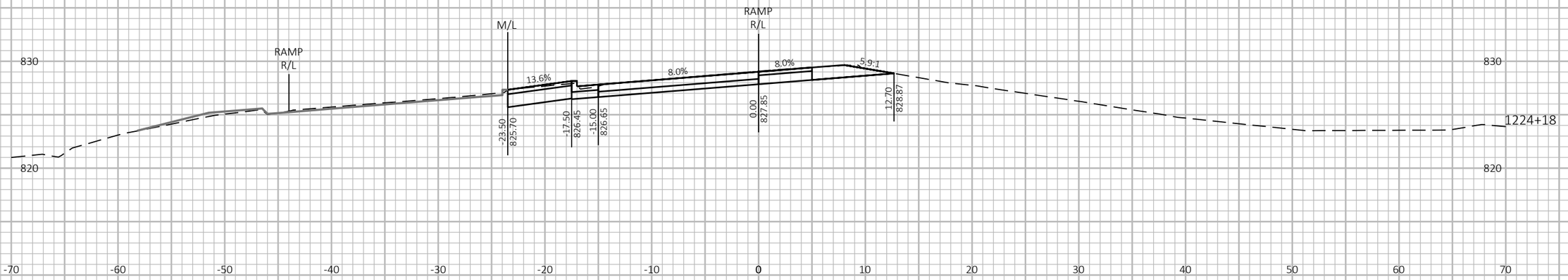
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

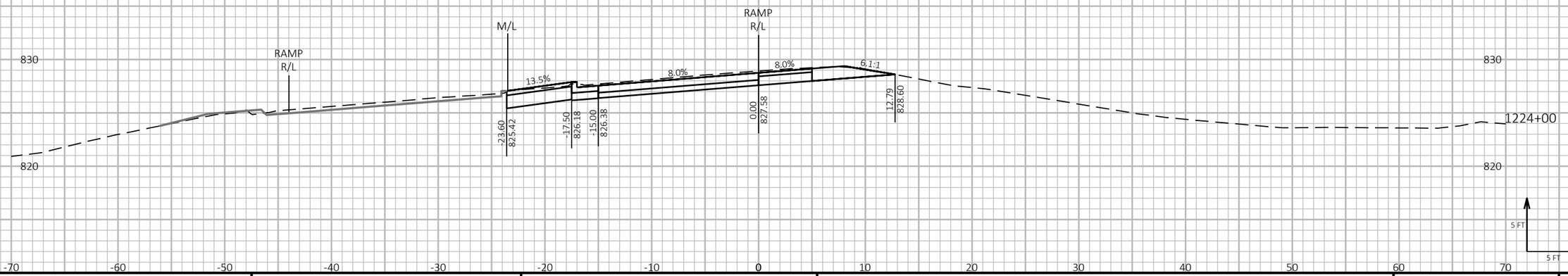
CROSS SECTIONS SHOWN ALONG USH 53 NB/BUS 29 ENTRANCE - 'XB' ALIGNMENT



1224+97



1224+18



1224+00

9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/BUS 29 ENTRANCE	SHEET 1040	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090214-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/26/2023 1:59 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

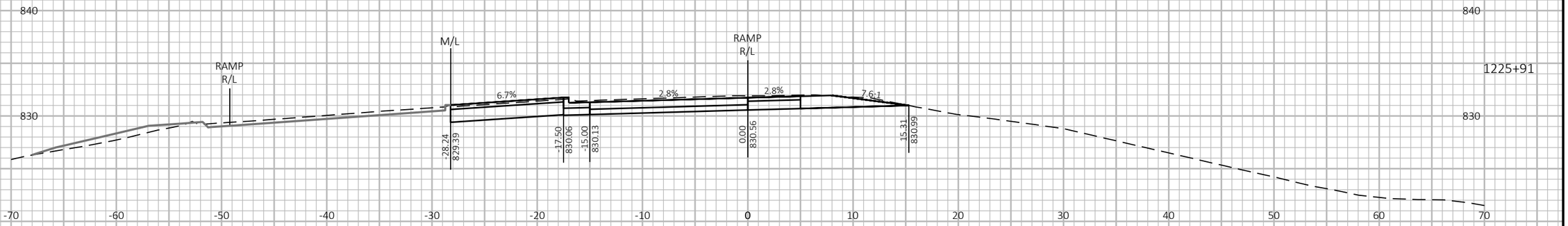
WISDOT/CADDS SHEET 49

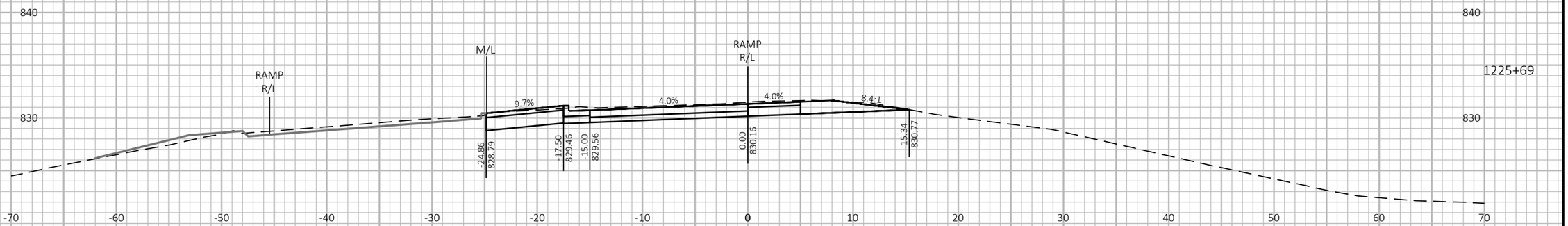
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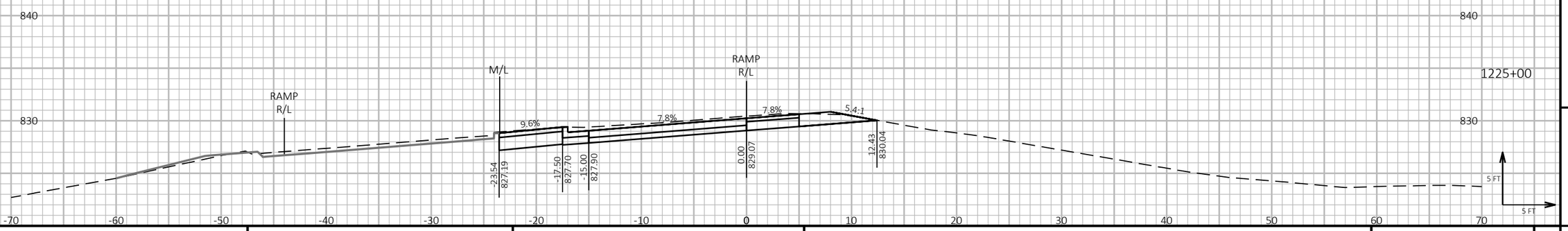
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/BUS 29 ENTRANCE - 'XB' ALIGNMENT







9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/BUS 29 ENTRANCE	SHEET 1041	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090214-XS.DWG
LAYOUT NAME - 07

PLOT DATE : 7/26/2023 1:59 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

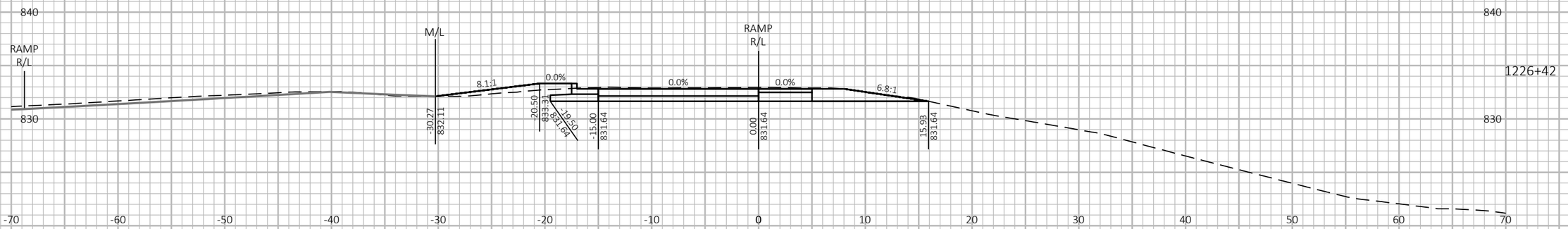
WISDOT/CADDS SHEET 49

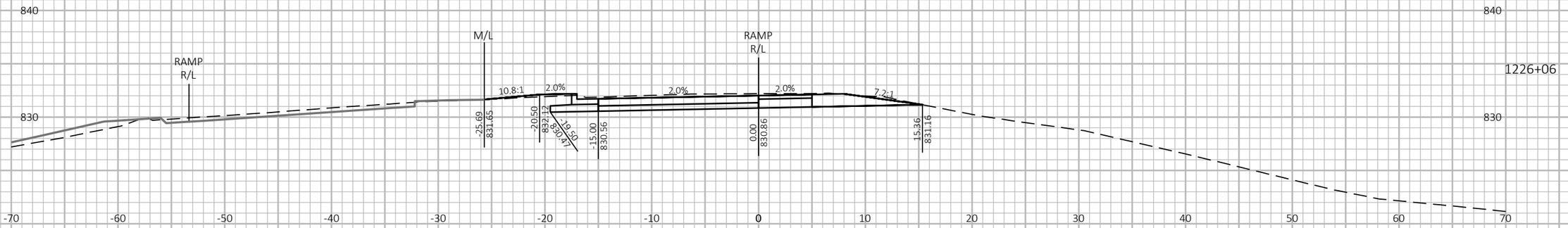
LEGEND

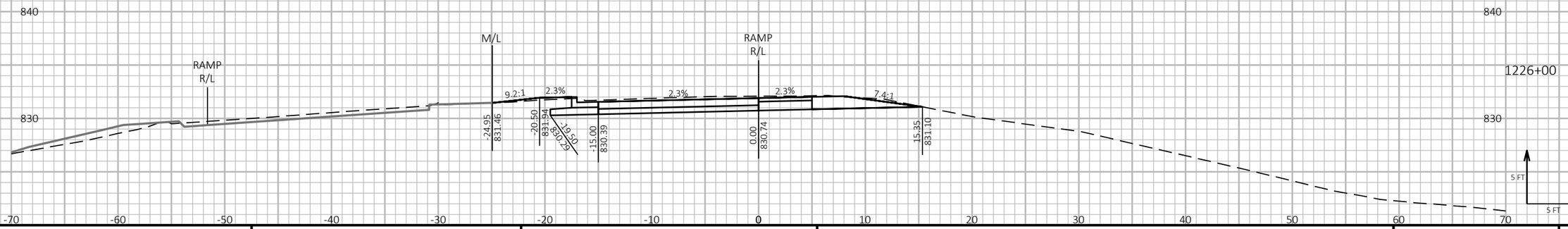
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/BUS 29 ENTRANCE - 'XB' ALIGNMENT







9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/BUS 29 ENTRANCE	SHEET 1042	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090214-XS.DWG
LAYOUT NAME - 08

PLOT DATE : 7/26/2023 2:00 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

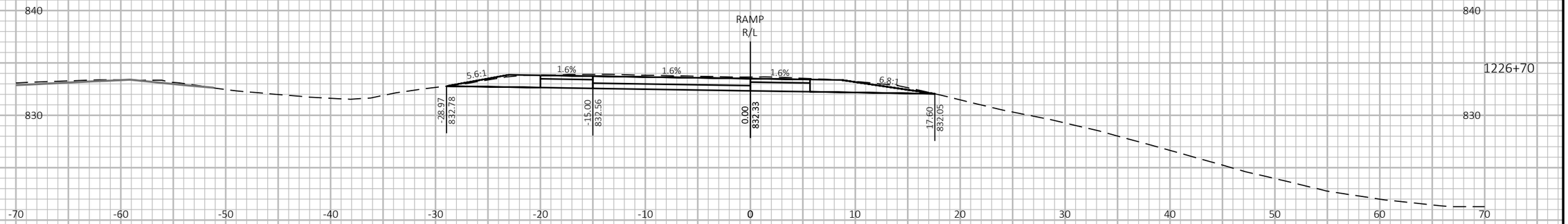
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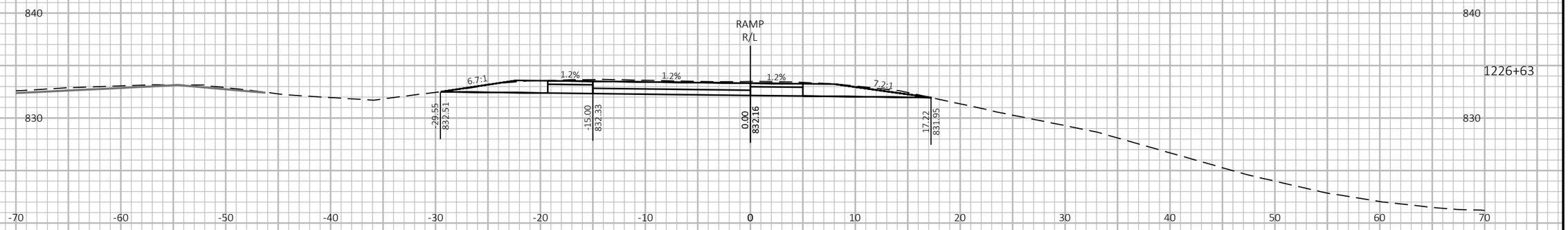
LEGEND

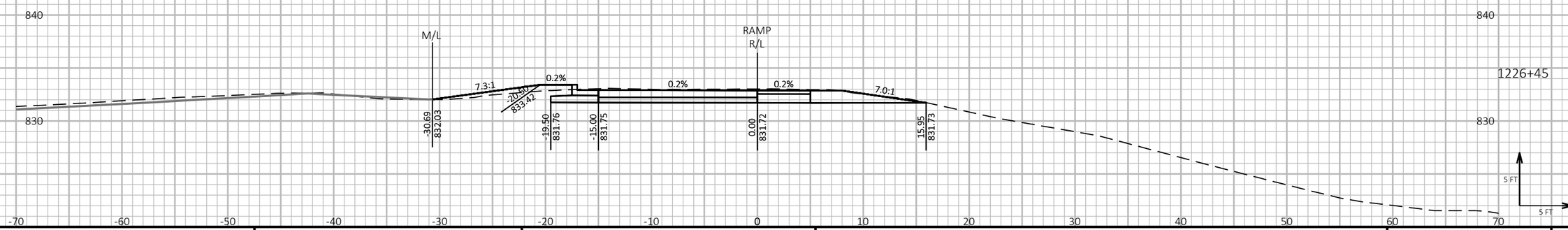
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/BUS 29 ENTRANCE - 'XB' ALIGNMENT







9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/BUS 29 ENTRANCE	SHEET 1043	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090214-XS.DWG
LAYOUT NAME - 09

PLOT DATE : 7/26/2023 2:00 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

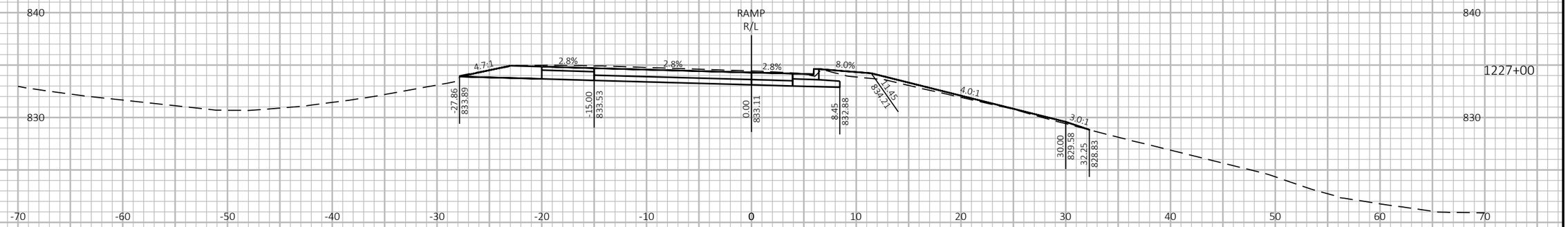
WISDOT/CADDS SHEET 49

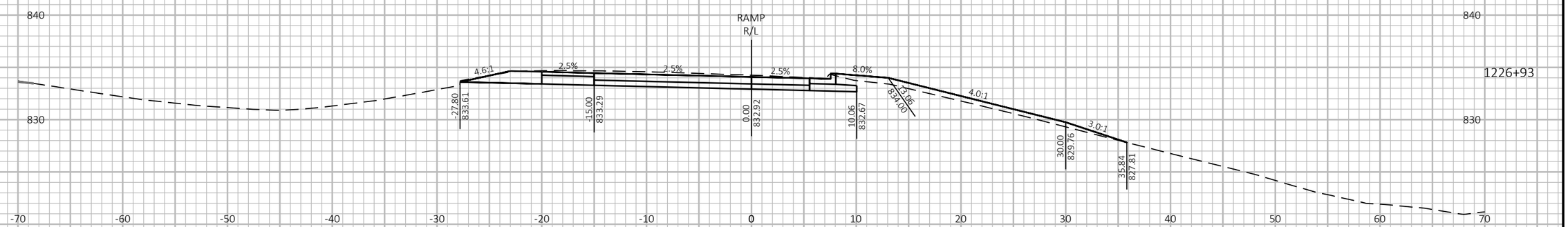
LEGEND

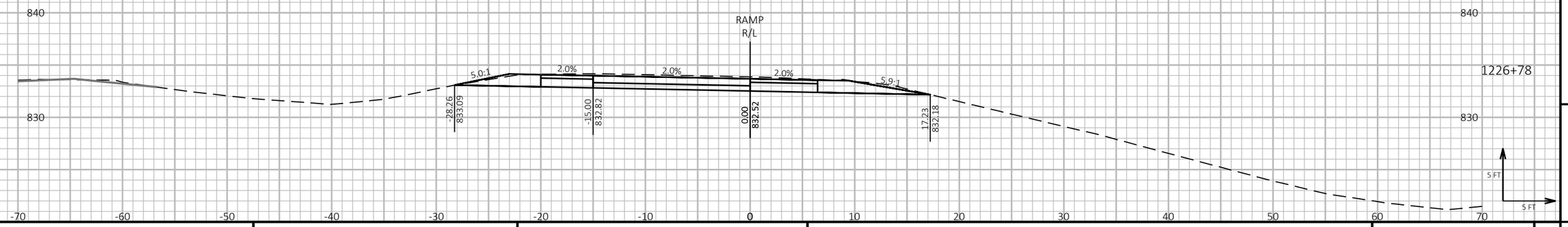
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/BUS 29 ENTRANCE - 'XB' ALIGNMENT







9

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/BUS 29 ENTRANCE	SHEET 1044	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090214-XS.DWG
LAYOUT NAME - 10

PLOT DATE : 7/26/2023 2:00 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

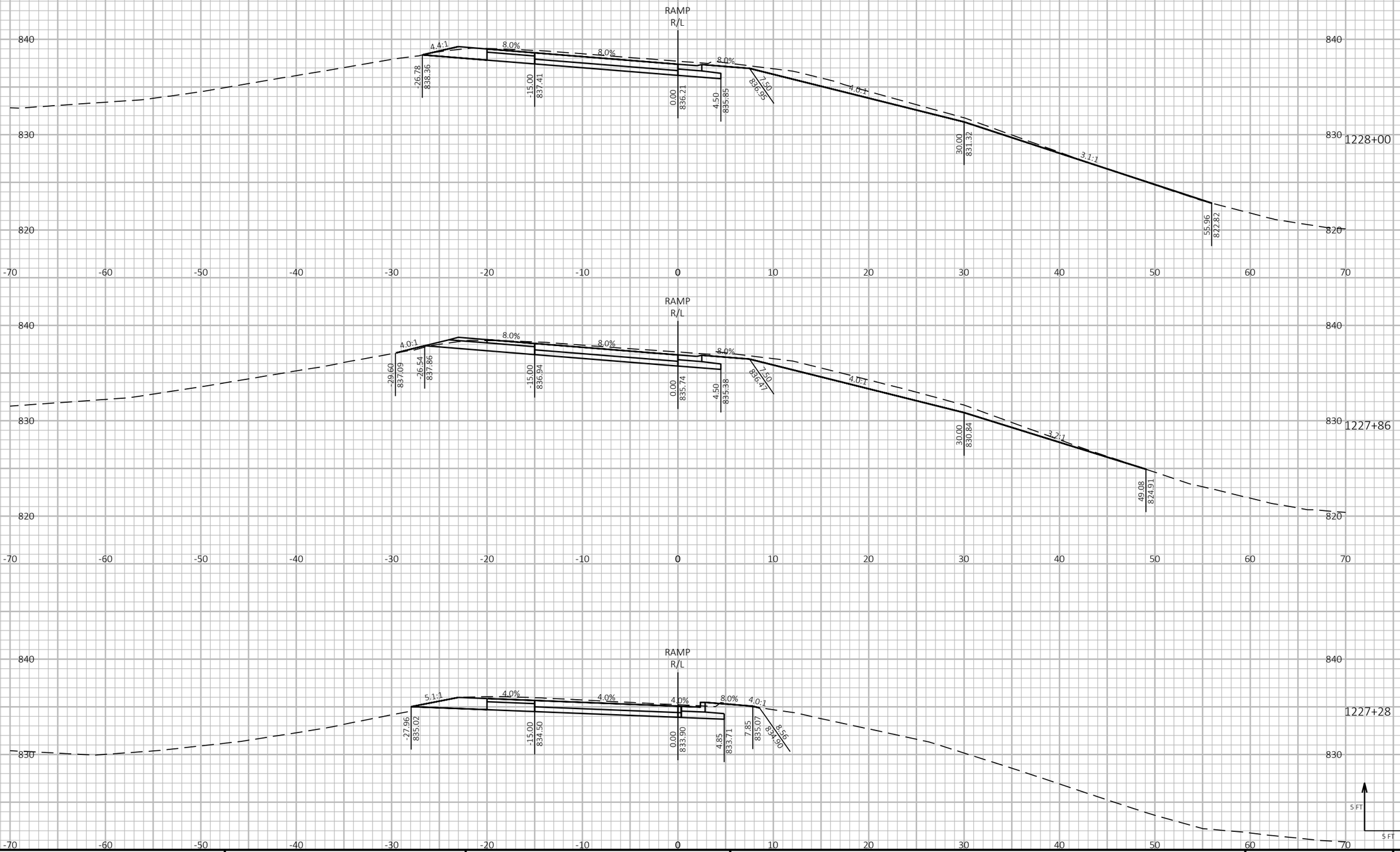
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/BUS 29 ENTRANCE - 'XB' ALIGNMENT



9

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/BUS 29 ENTRANCE	SHEET 1045	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090214-XS.DWG
LAYOUT NAME - 11

PLOT DATE : 7/26/2023 2:00 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

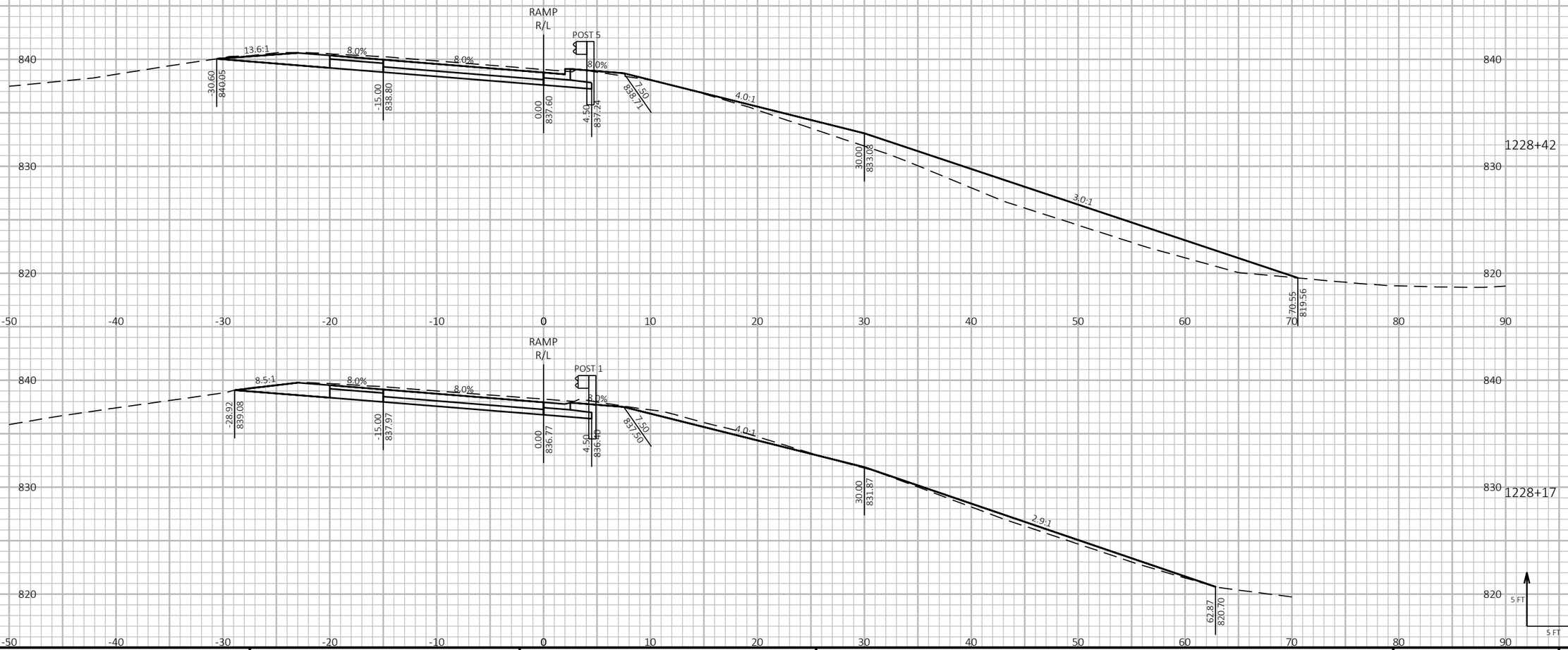
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/BUS 29 ENTRANCE - 'XB' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/BUS 29 ENTRANCE	SHEET 1046	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090214-XS.DWG
LAYOUT NAME - 12

PLOT DATE : 7/26/2023 2:01 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

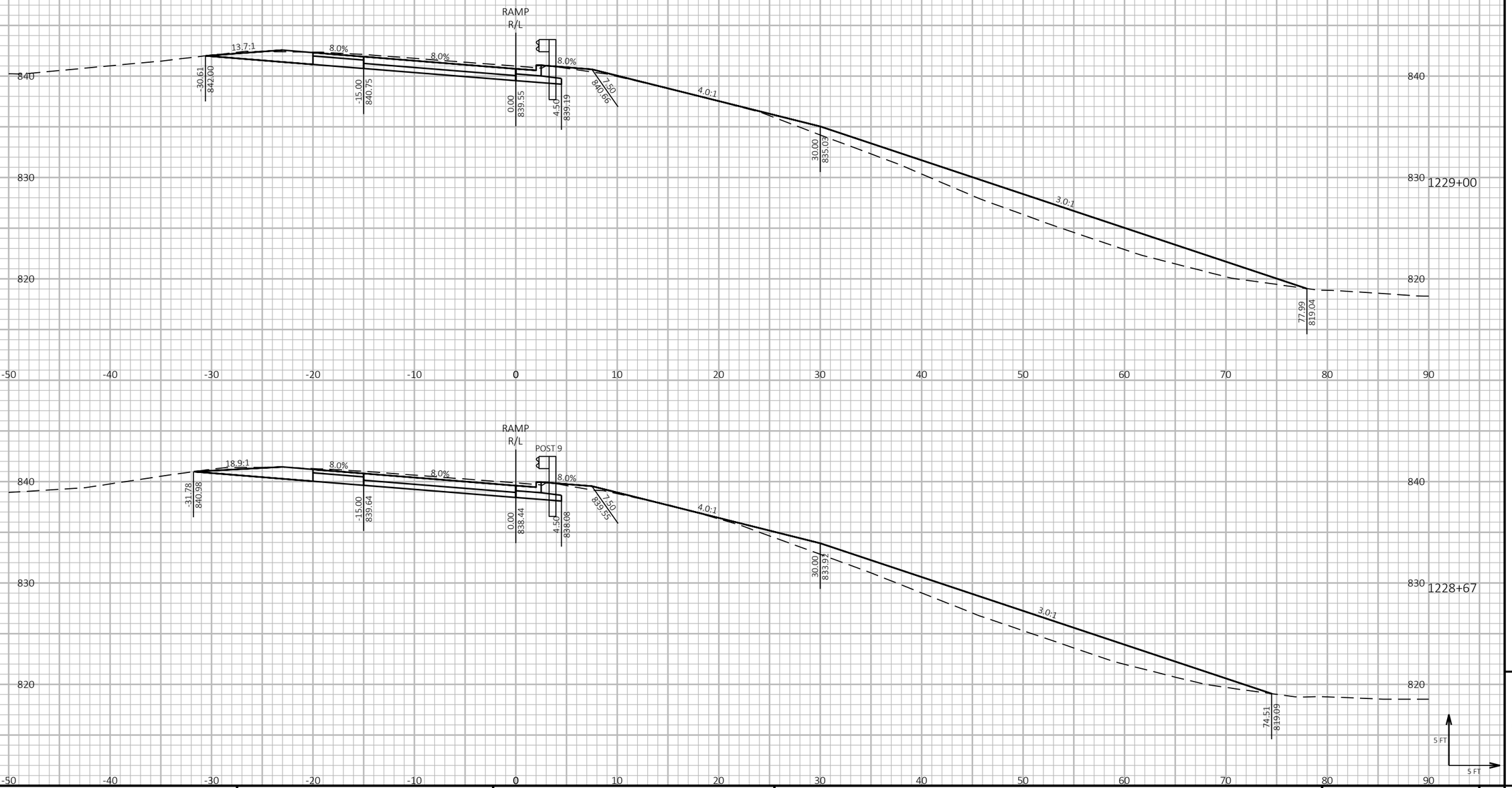
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/BUS 29 ENTRANCE - 'XB' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/BUS 29 ENTRANCE	SHEET 1047	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090214-XS.DWG
LAYOUT NAME - 13

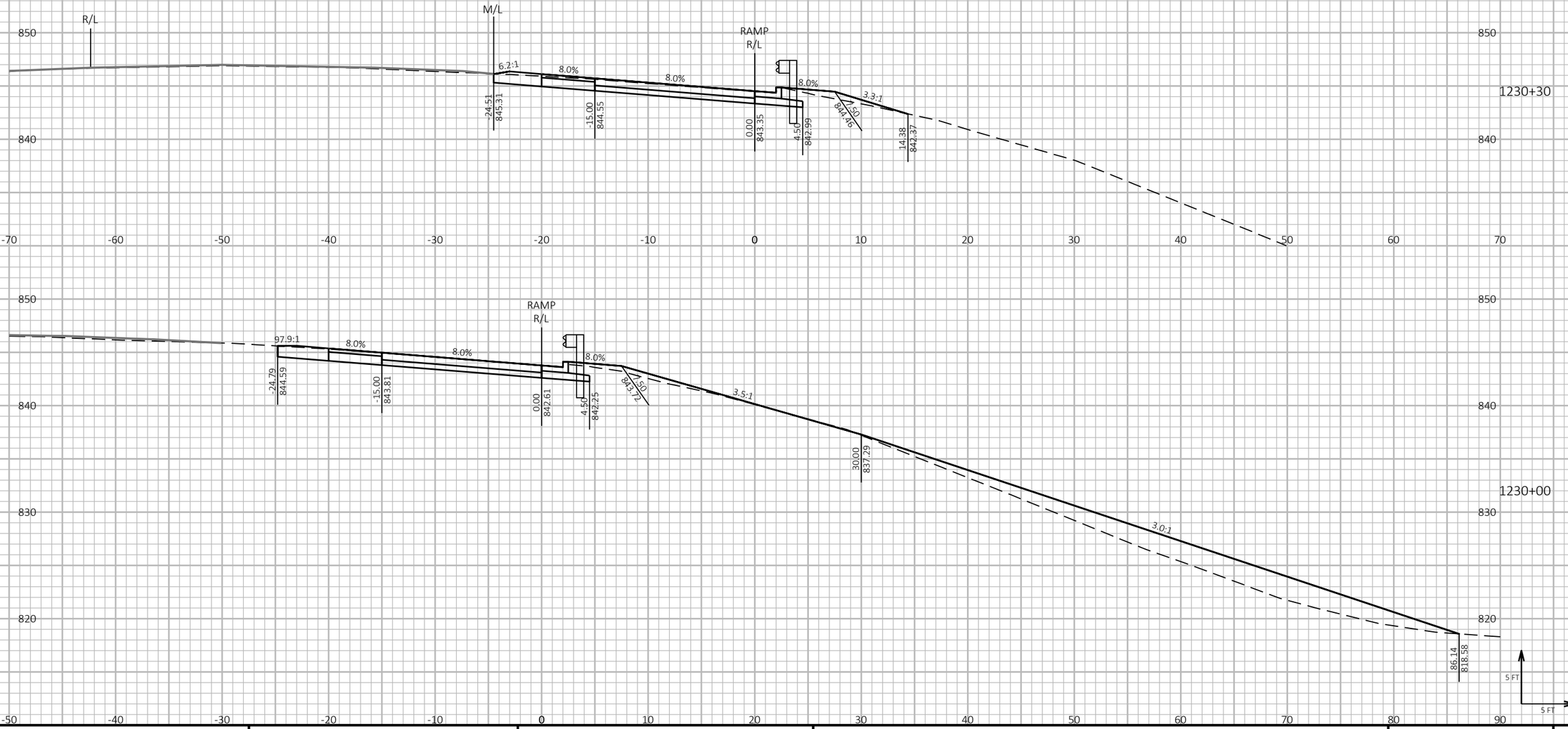
PLOT DATE : 7/26/2023 2:01 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/BUS 29 ENTRANCE - 'XB' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/BUS 29 ENTRANCE	SHEET 1048	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090214-XS.DWG
LAYOUT NAME - 14

PLOT DATE : 7/26/2023 2:01 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

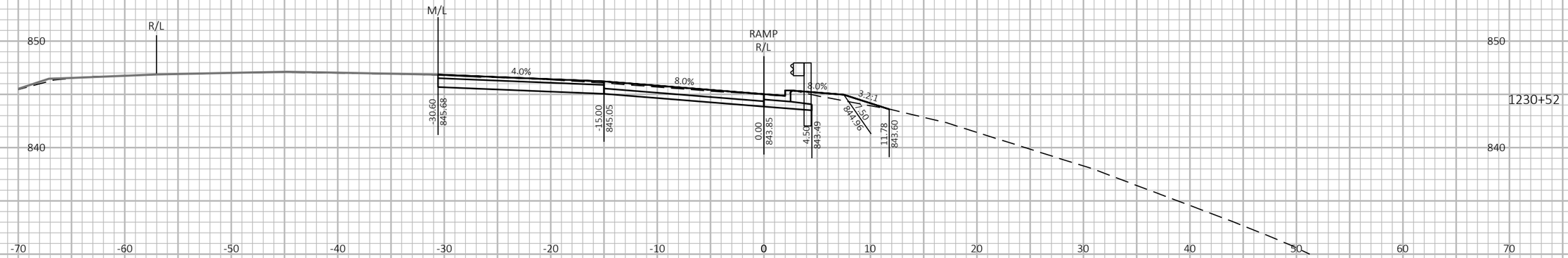
WISDOT/CADDS SHEET 49

LEGEND

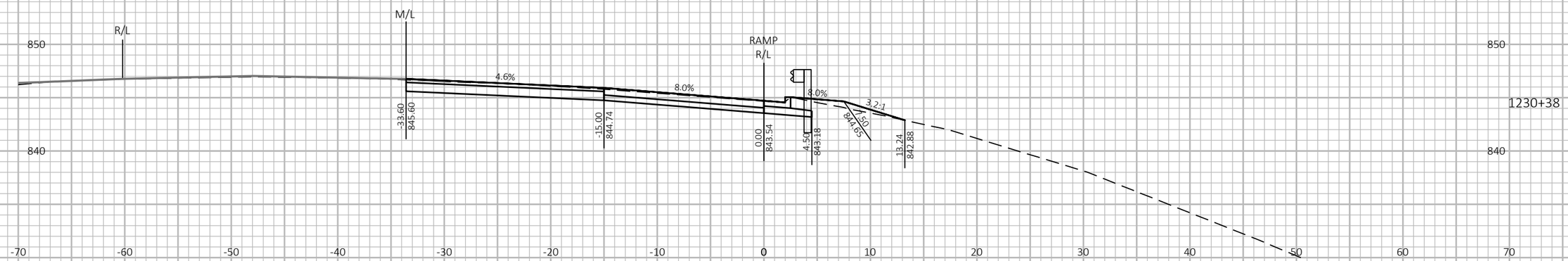
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

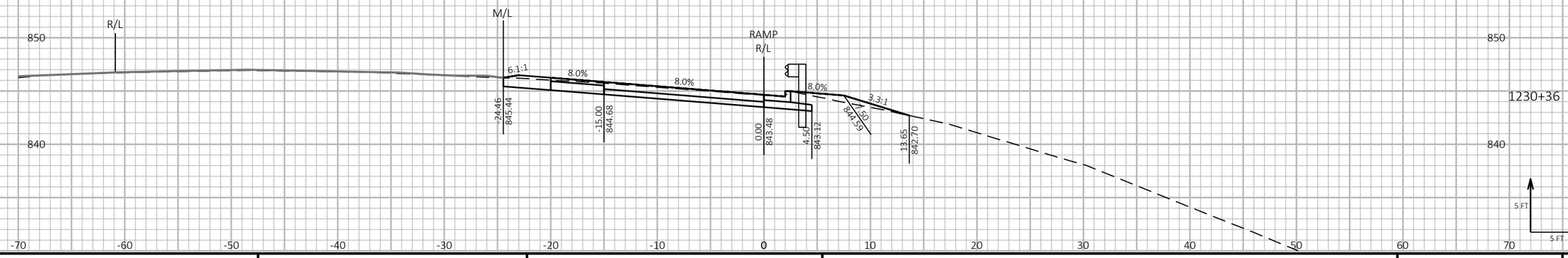
CROSS SECTIONS SHOWN ALONG USH 53 NB/BUS 29 ENTRANCE - 'XB' ALIGNMENT



1230+52



1230+38



1230+36

9

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/BUS 29 ENTRANCE	SHEET 1049	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090214-XS.DWG
LAYOUT NAME - 15

PLOT DATE : 7/26/2023 2:01 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

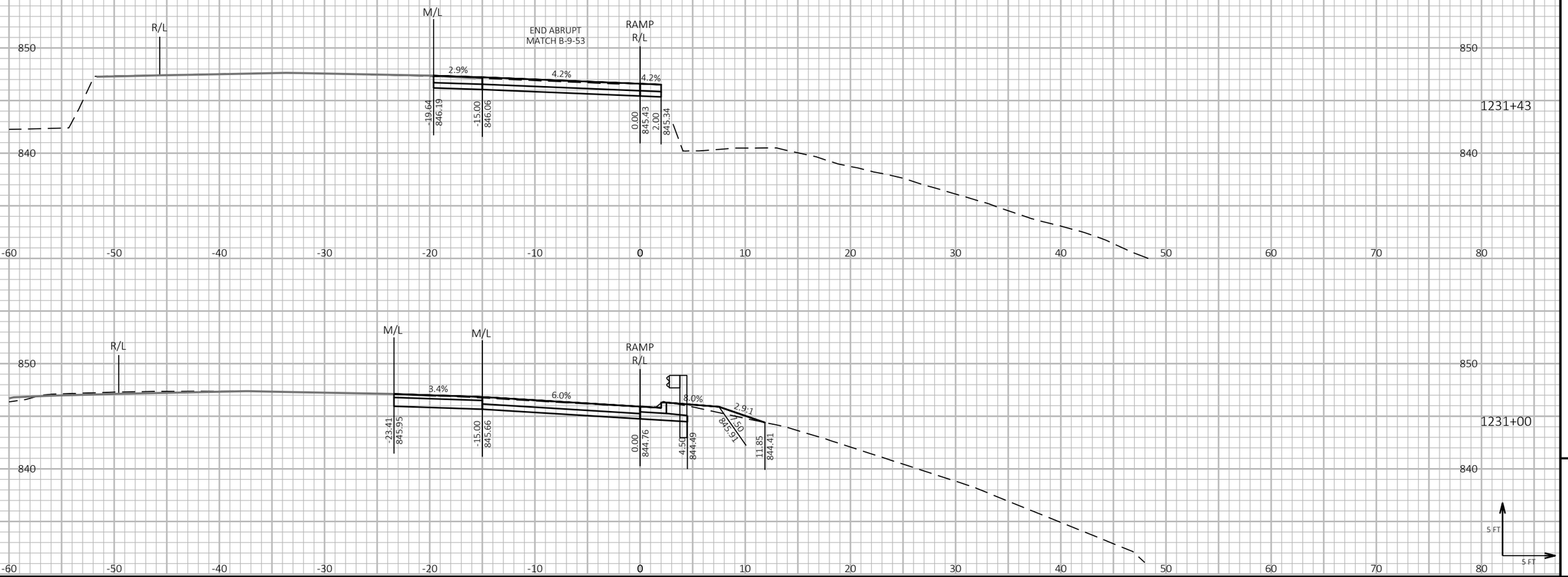
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/BUS 29 ENTRANCE - 'XB' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/BUS 29 ENTRANCE	SHEET 1050	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090214-XS.DWG
LAYOUT NAME - 16

PLOT DATE : 7/26/2023 2:02 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

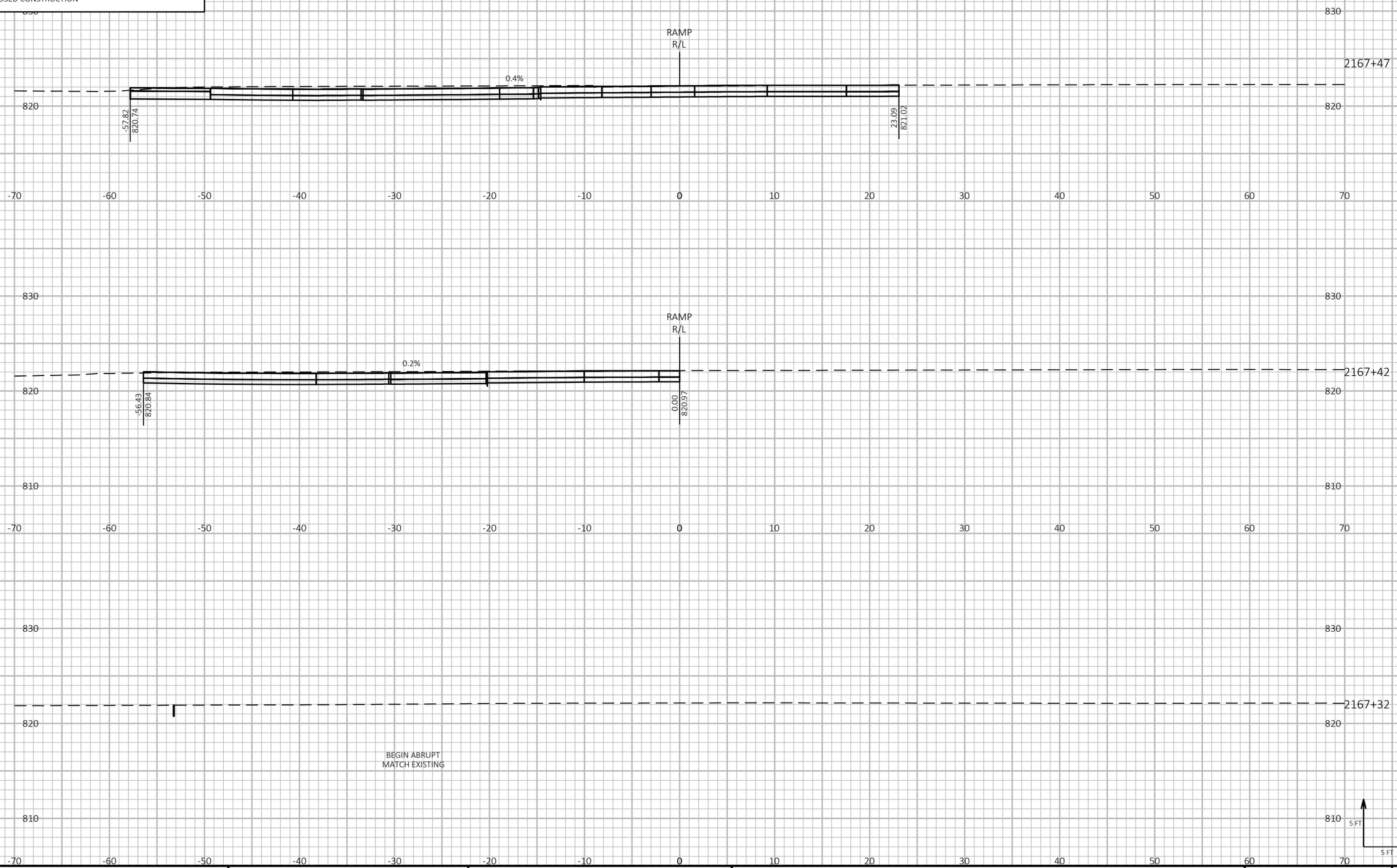
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/BUS 29 EXIT - 'XC' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/BUS 29 EXIT	SHEET 1051	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090215-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 2:07 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

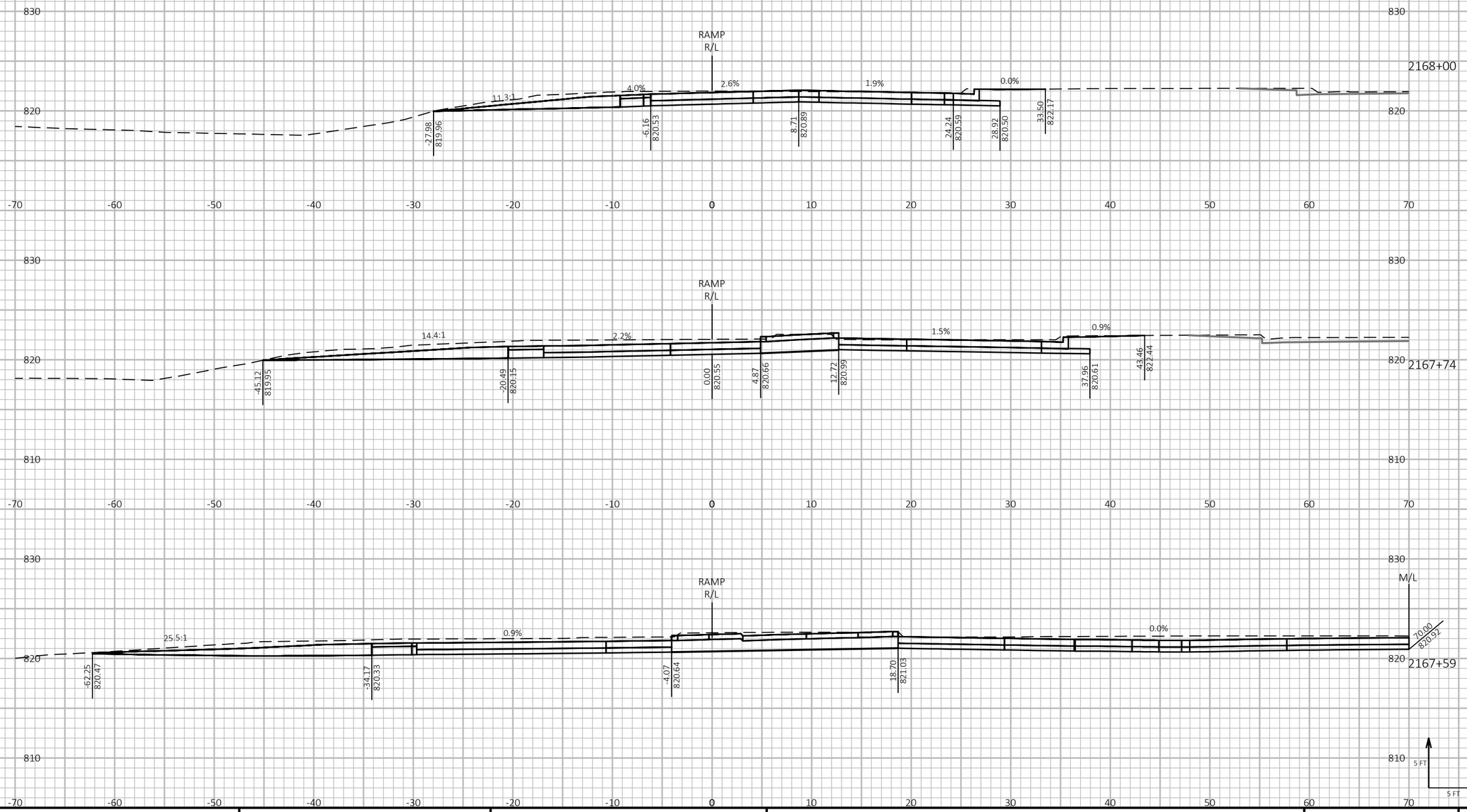
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/BUS 29 EXIT - 'XC' ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/BUS 29 EXIT	SHEET 1052 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090215-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/26/2023 2:08 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

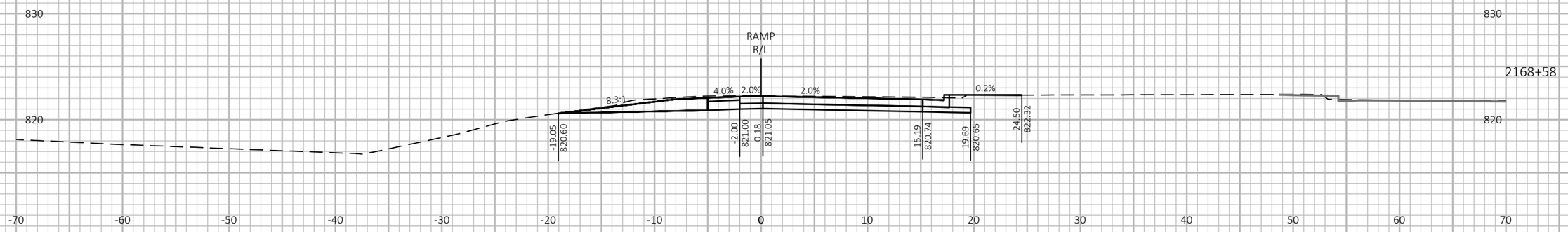
WISDOT/CADDS SHEET 49

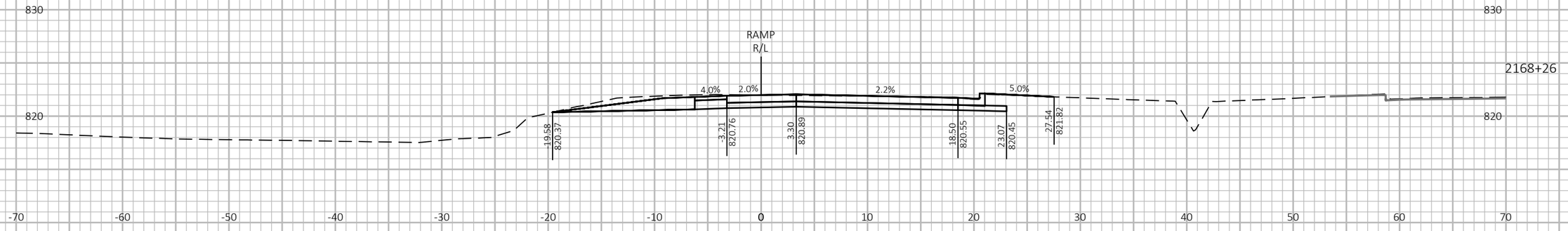
LEGEND

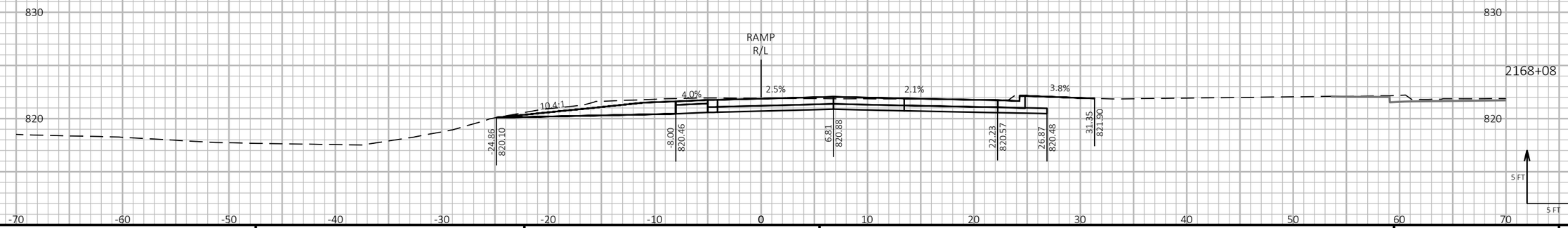
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/BUS 29 EXIT - 'XC' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/BUS 29 EXIT	SHEET 1053	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090215-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/26/2023 2:08 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

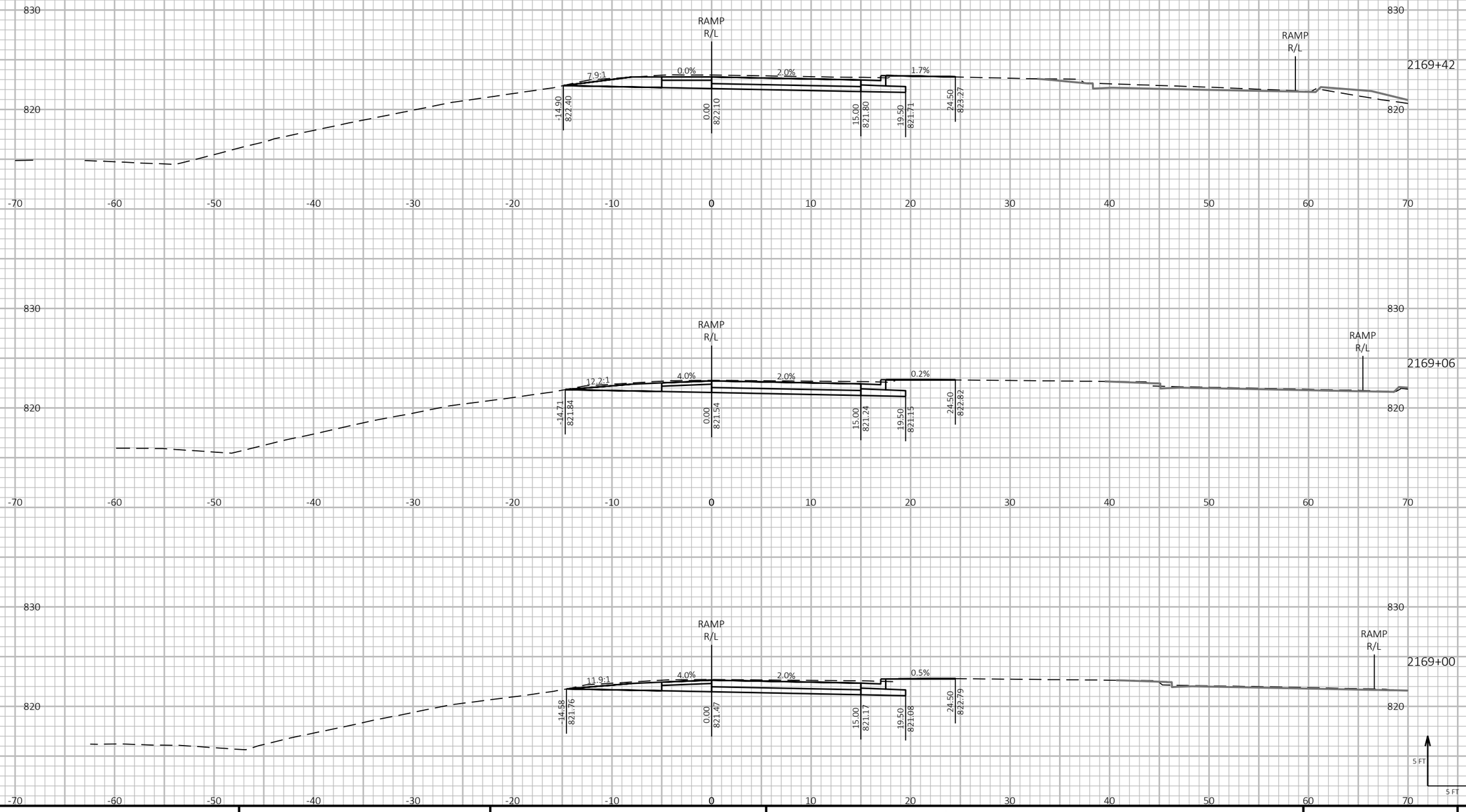
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/BUS 29 EXIT - 'XC' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/BUS 29 EXIT	SHEET 1054	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090215-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 7/26/2023 2:08 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

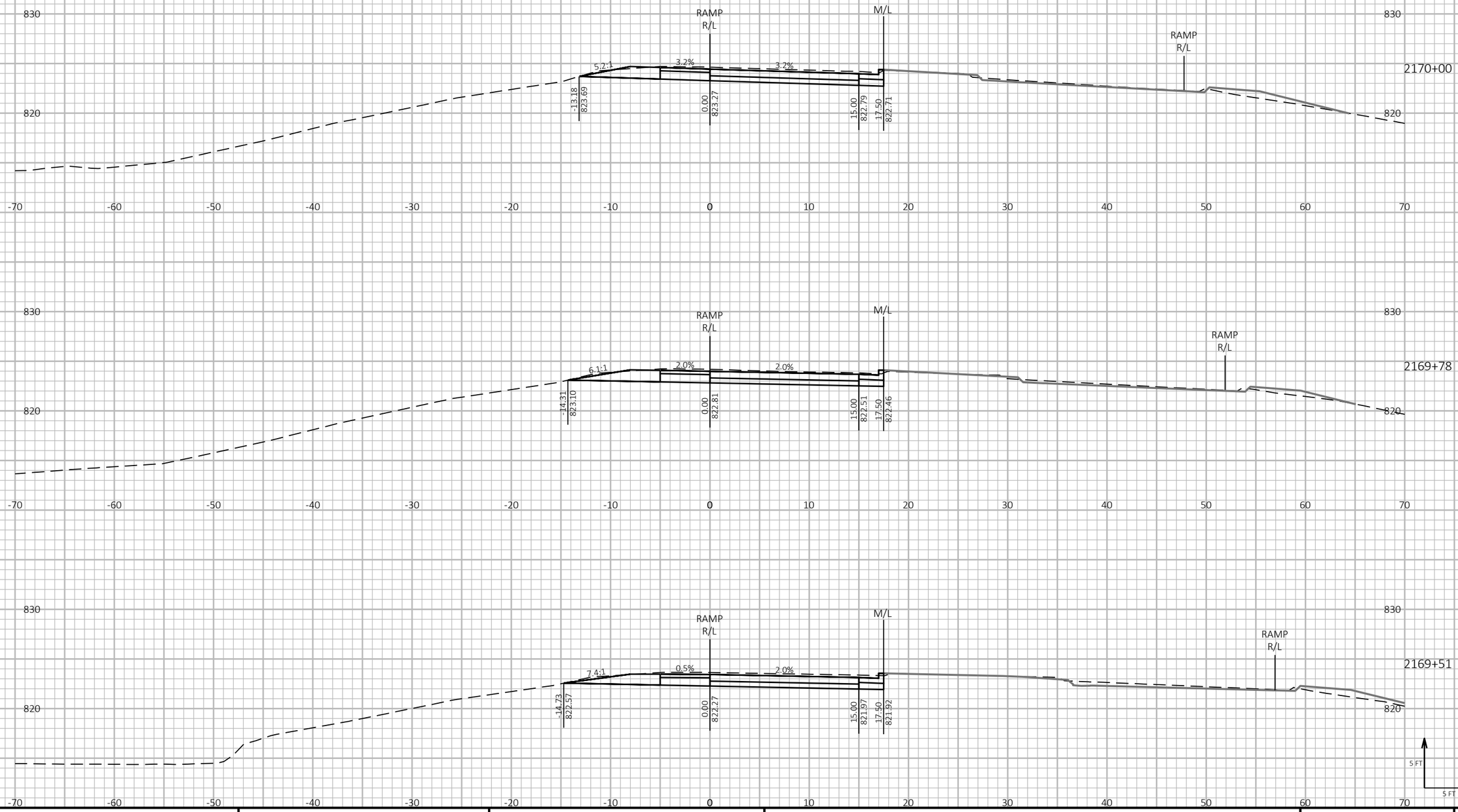
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/BUS 29 EXIT - 'XC' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/BUS 29 EXIT	SHEET 1055	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090215-XS.DWG
LAYOUT NAME - 05

PLOT DATE : 7/26/2023 2:08 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

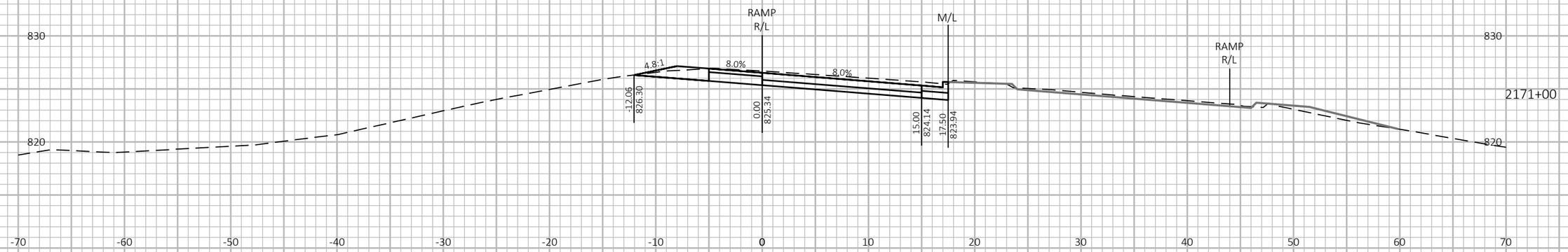
WISDOT/CADDS SHEET 49

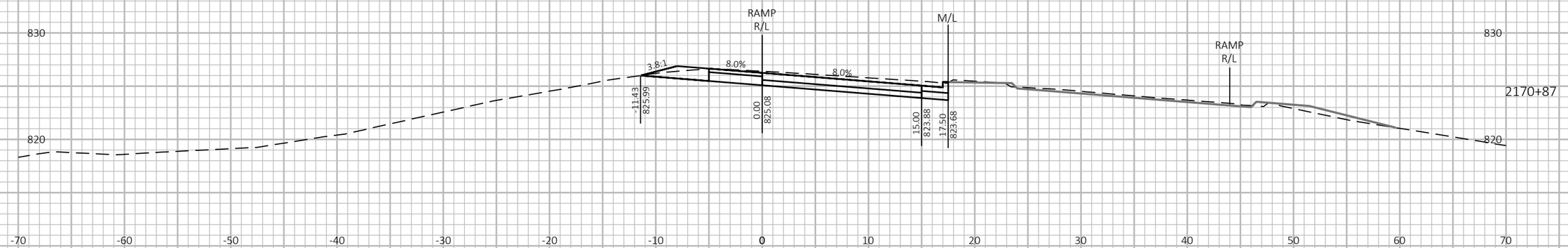
LEGEND

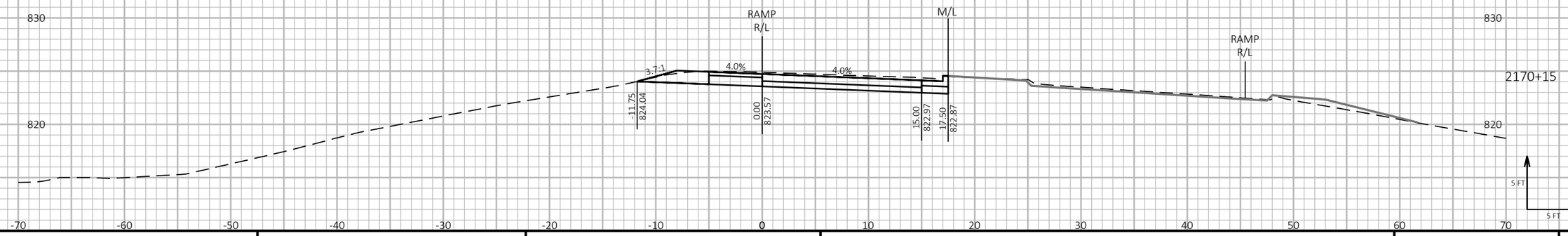
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/BUS 29 EXIT - 'XC' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/BUS 29 EXIT	SHEET 1056	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090215-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/26/2023 2:09 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

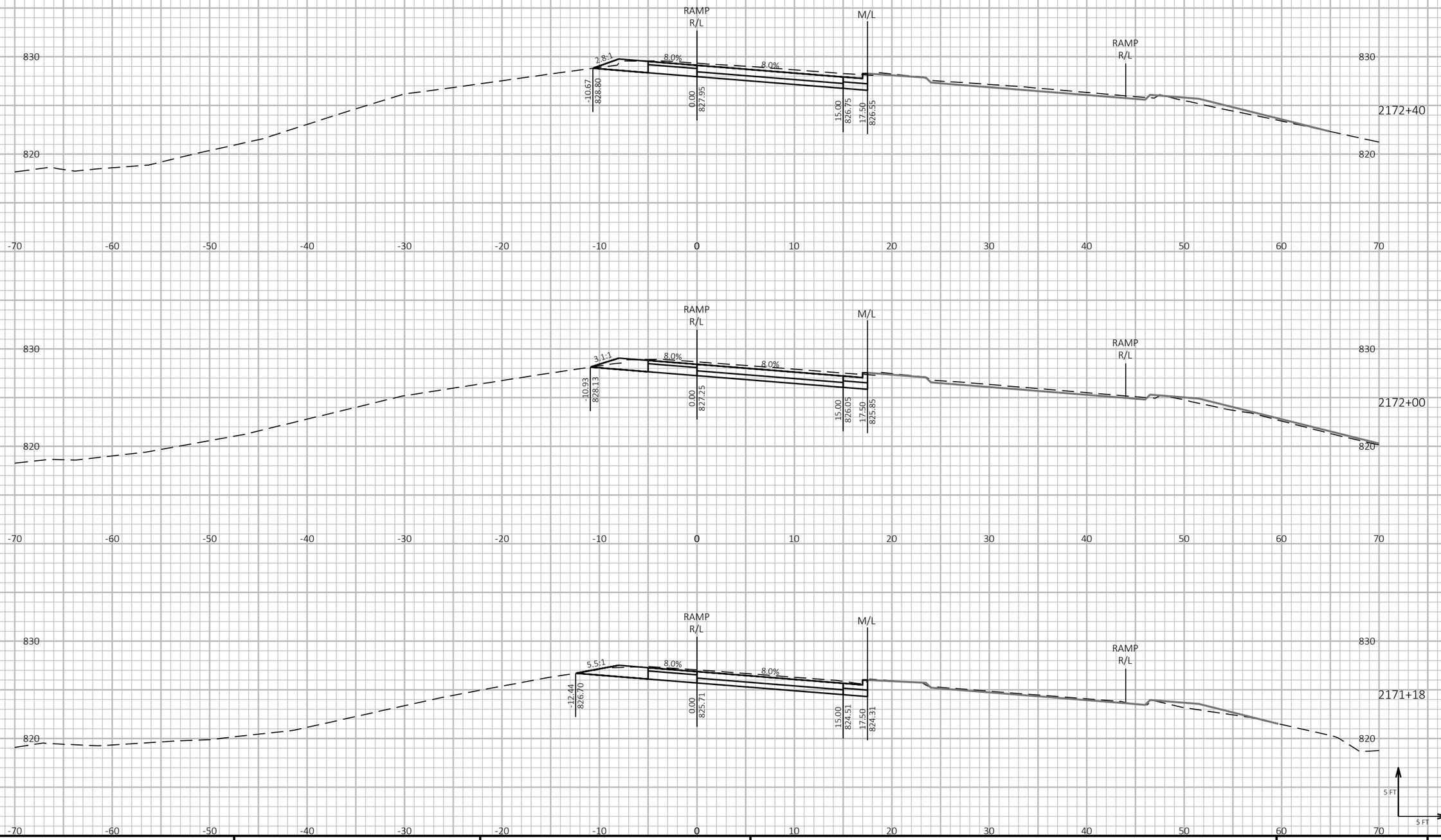
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/BUS 29 EXIT - 'XC' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/BUS 29 EXIT	SHEET 1057	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090215-XS.DWG
LAYOUT NAME - 07

PLOT DATE : 7/26/2023 2:09 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

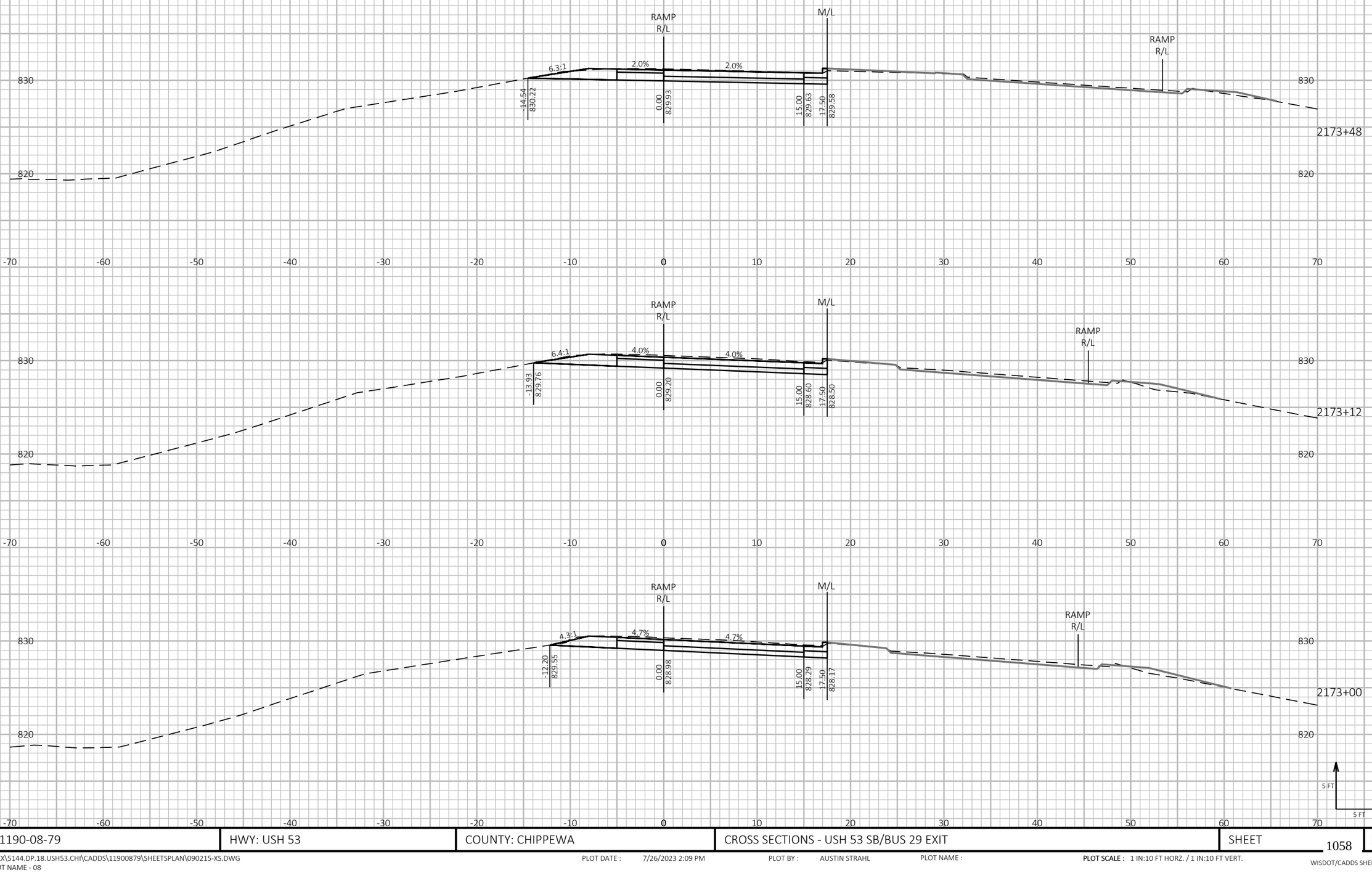
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/BUS 29 EXIT - 'XC' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/BUS 29 EXIT	SHEET 1058	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090215-XS.DWG
LAYOUT NAME - 08

PLOT DATE : 7/26/2023 2:09 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

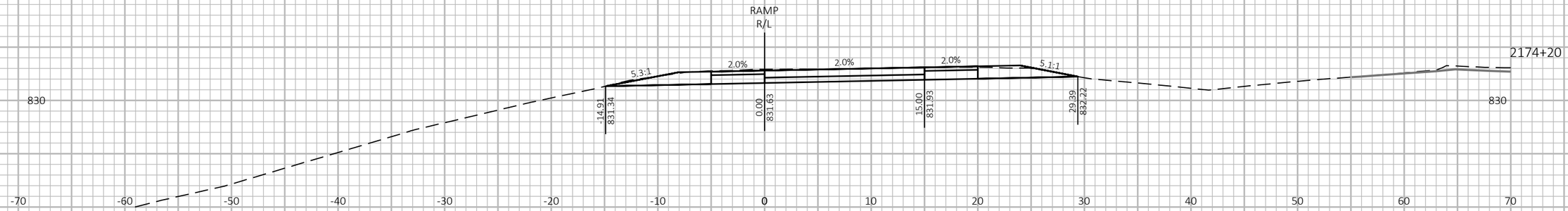
WISDOT/CADDS SHEET 49

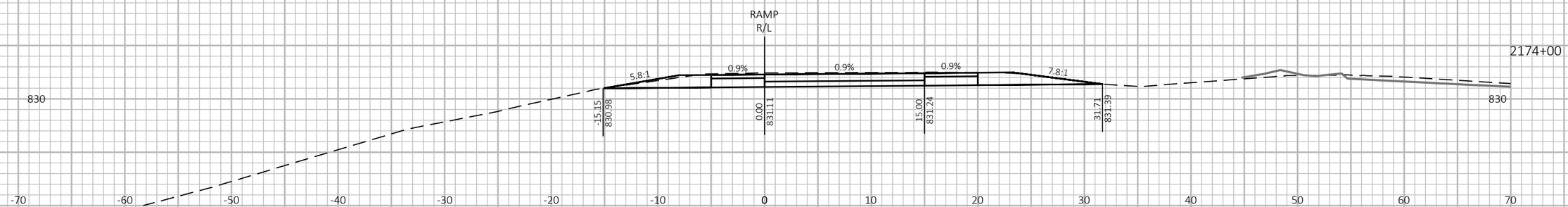
LEGEND

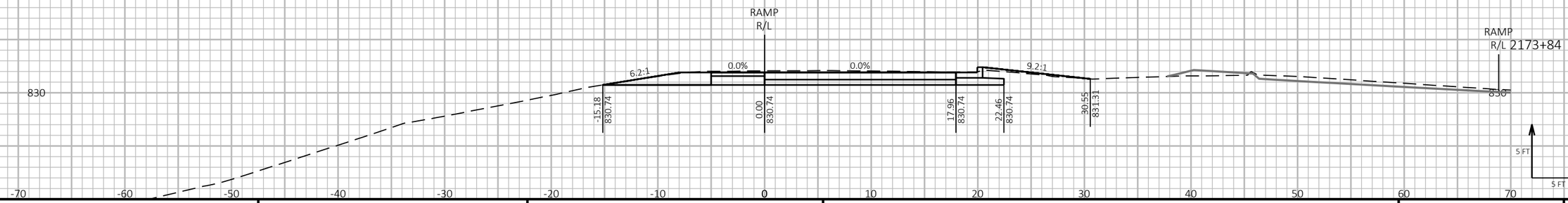
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/BUS 29 EXIT - 'XC' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/BUS 29 EXIT	SHEET 1059	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090215-XS.DWG
LAYOUT NAME - 09

PLOT DATE : 7/26/2023 2:09 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

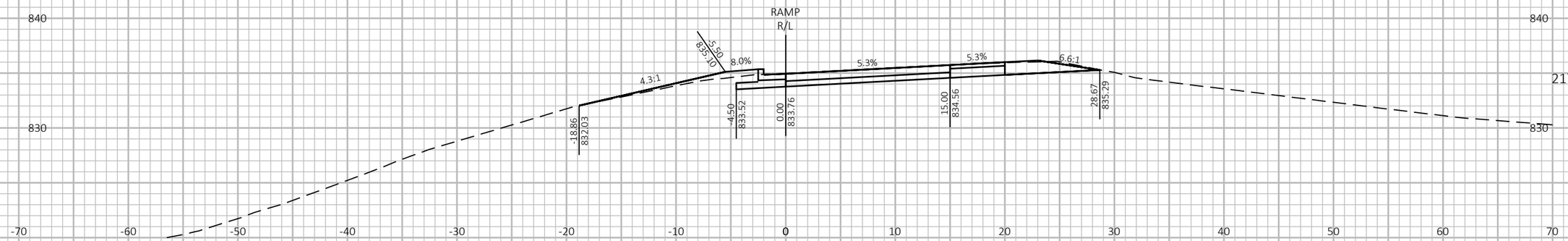
WISDOT/CADDS SHEET 49

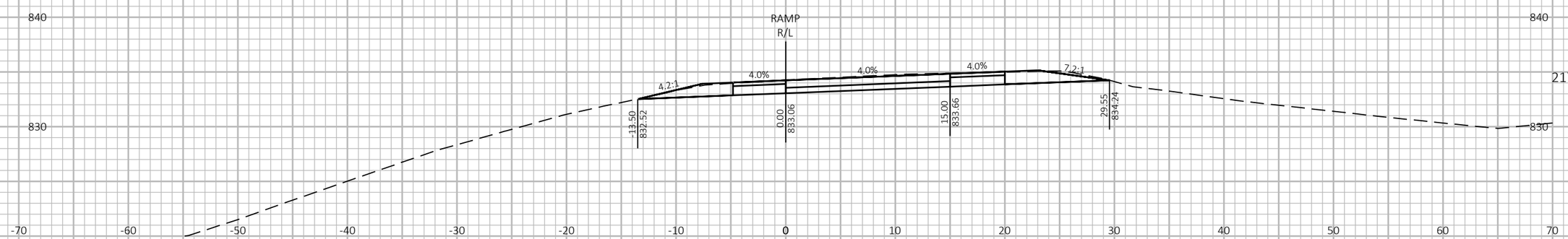
LEGEND

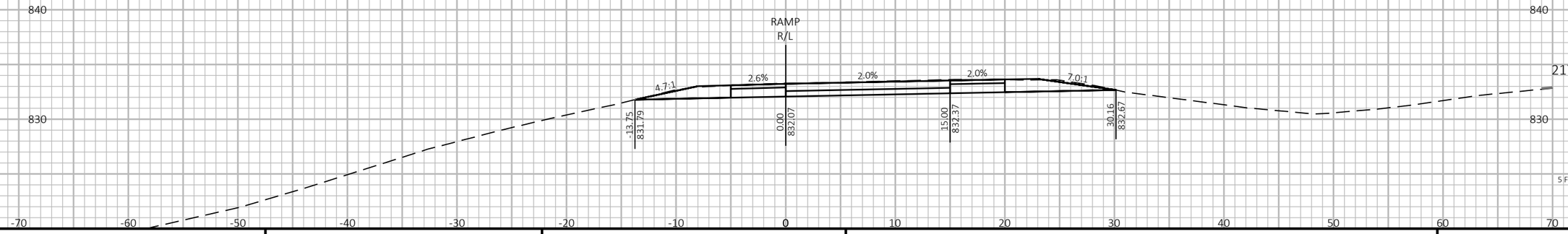
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/BUS 29 EXIT - 'XC' ALIGNMENT







9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/BUS 29 EXIT	SHEET 1060	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090215-XS.DWG
LAYOUT NAME - 10

PLOT DATE : 7/26/2023 2:10 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

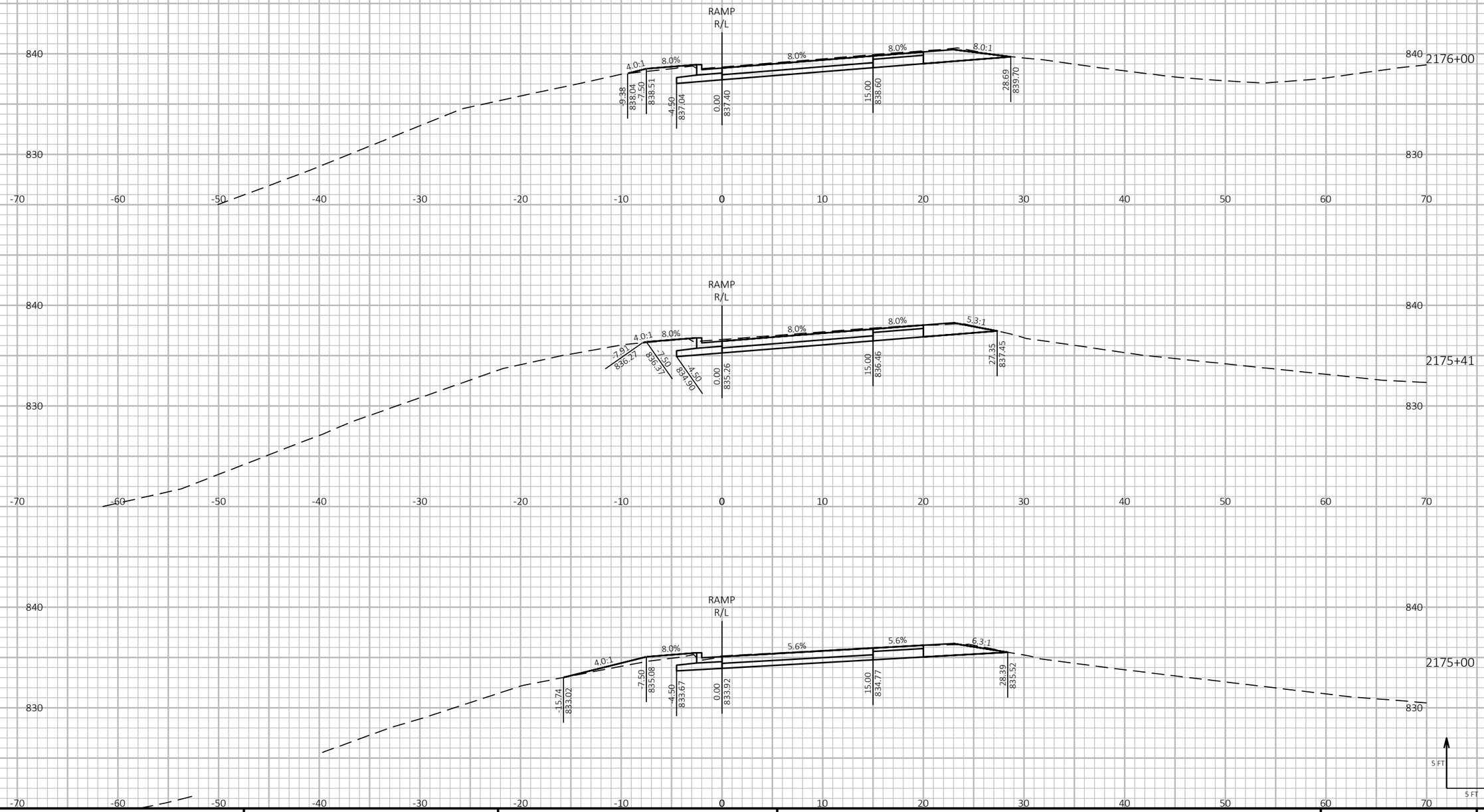
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/BUS 29 EXIT - 'XC' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/BUS 29 EXIT	SHEET 1061	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090215-XS.DWG
LAYOUT NAME - 11

PLOT DATE : 7/26/2023 2:10 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

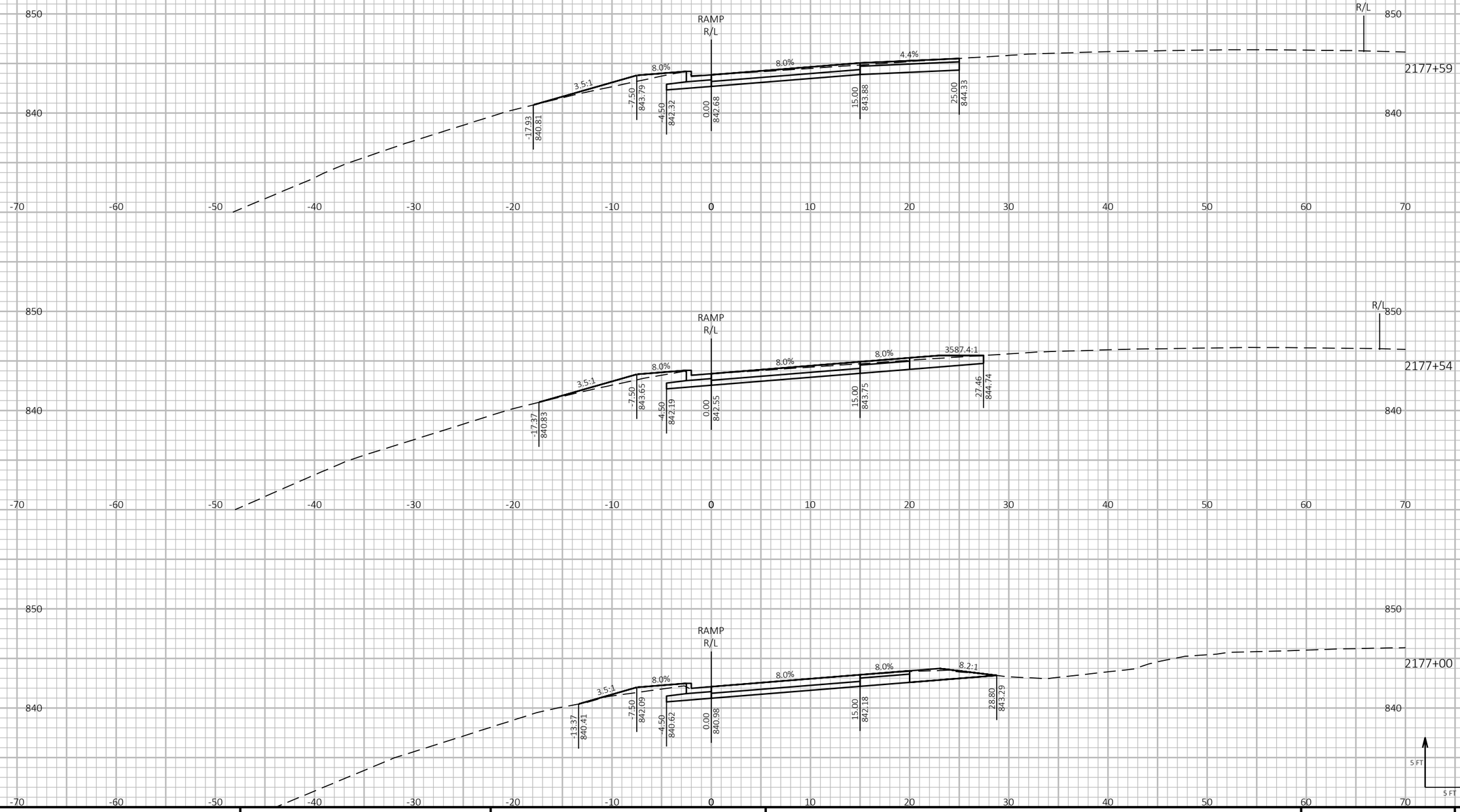
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/BUS 29 EXIT - 'XC' ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/BUS 29 EXIT	SHEET 1062	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090215-XS.DWG
LAYOUT NAME - 12

PLOT DATE : 7/26/2023 2:10 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

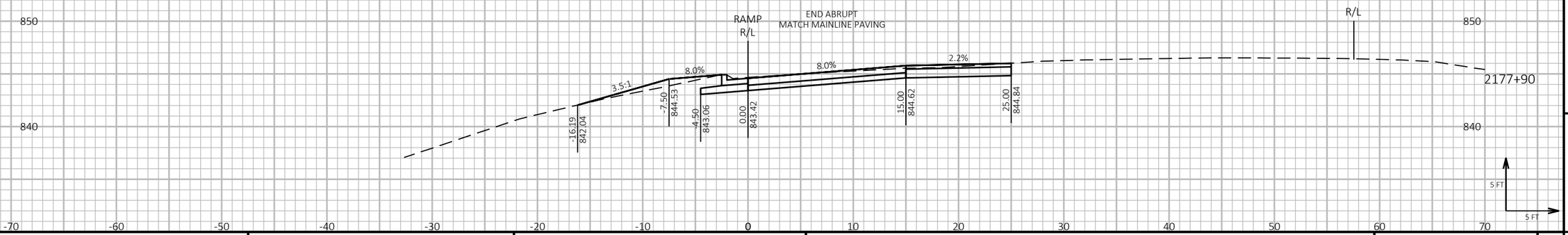
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/BUS 29 EXIT - 'XC' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/BUS 29 EXIT	SHEET 1063	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090215-XS.DWG
LAYOUT NAME - 13

PLOT DATE : 7/26/2023 2:10 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

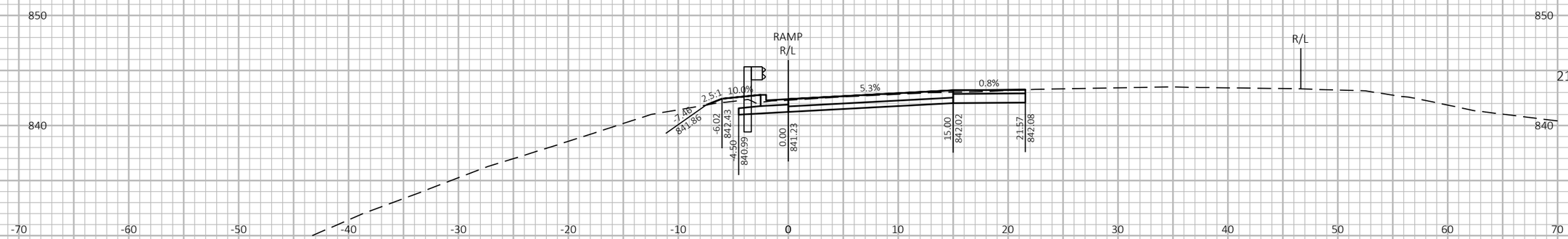
WISDOT/CADDS SHEET 49

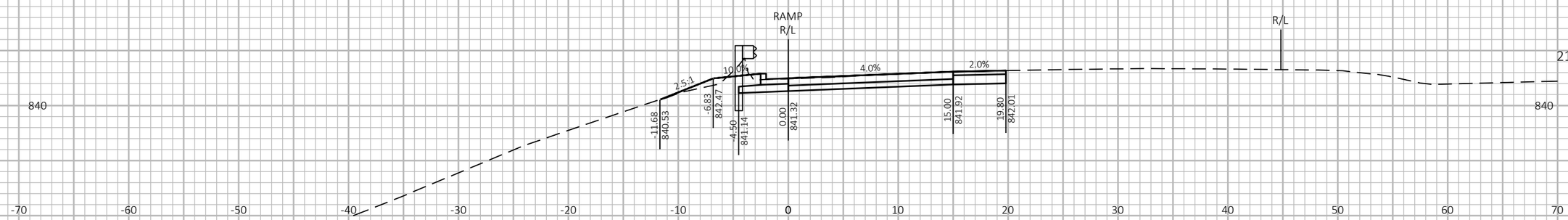
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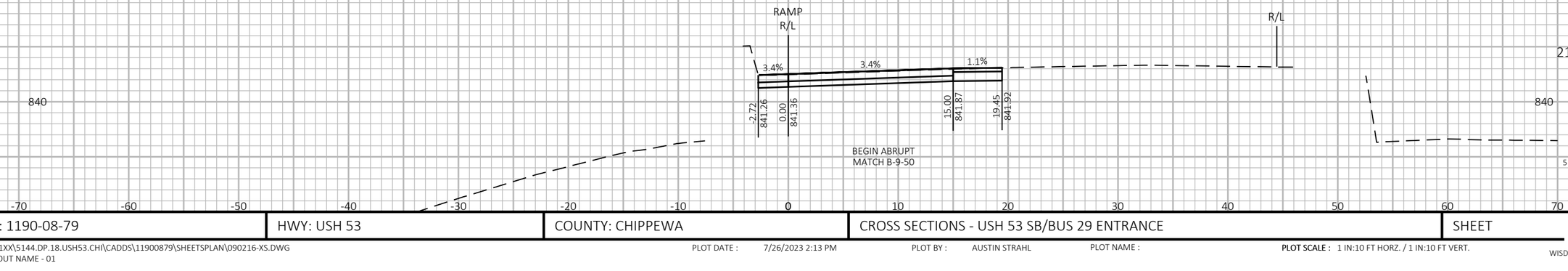
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/BUS 29 ENTRANCE- 'XD' ALIGNMENT







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9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/BUS 29 ENTRANCE	SHEET 1064	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090216-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 2:13 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

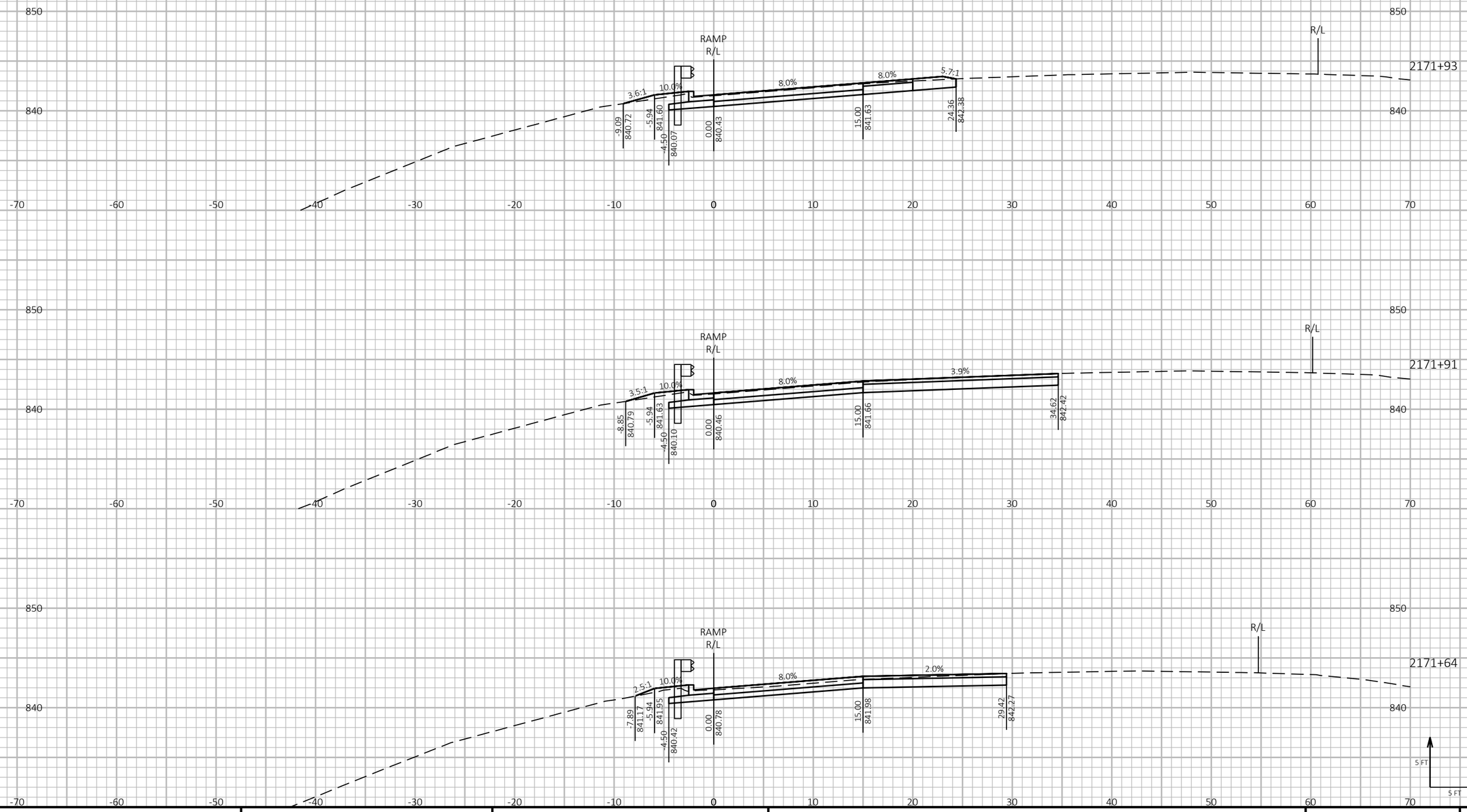
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/BUS 29 ENTRANCE- 'XD' ALIGNMENT



9

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/BUS 29 ENTRANCE	SHEET 1065	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090216-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/26/2023 2:13 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

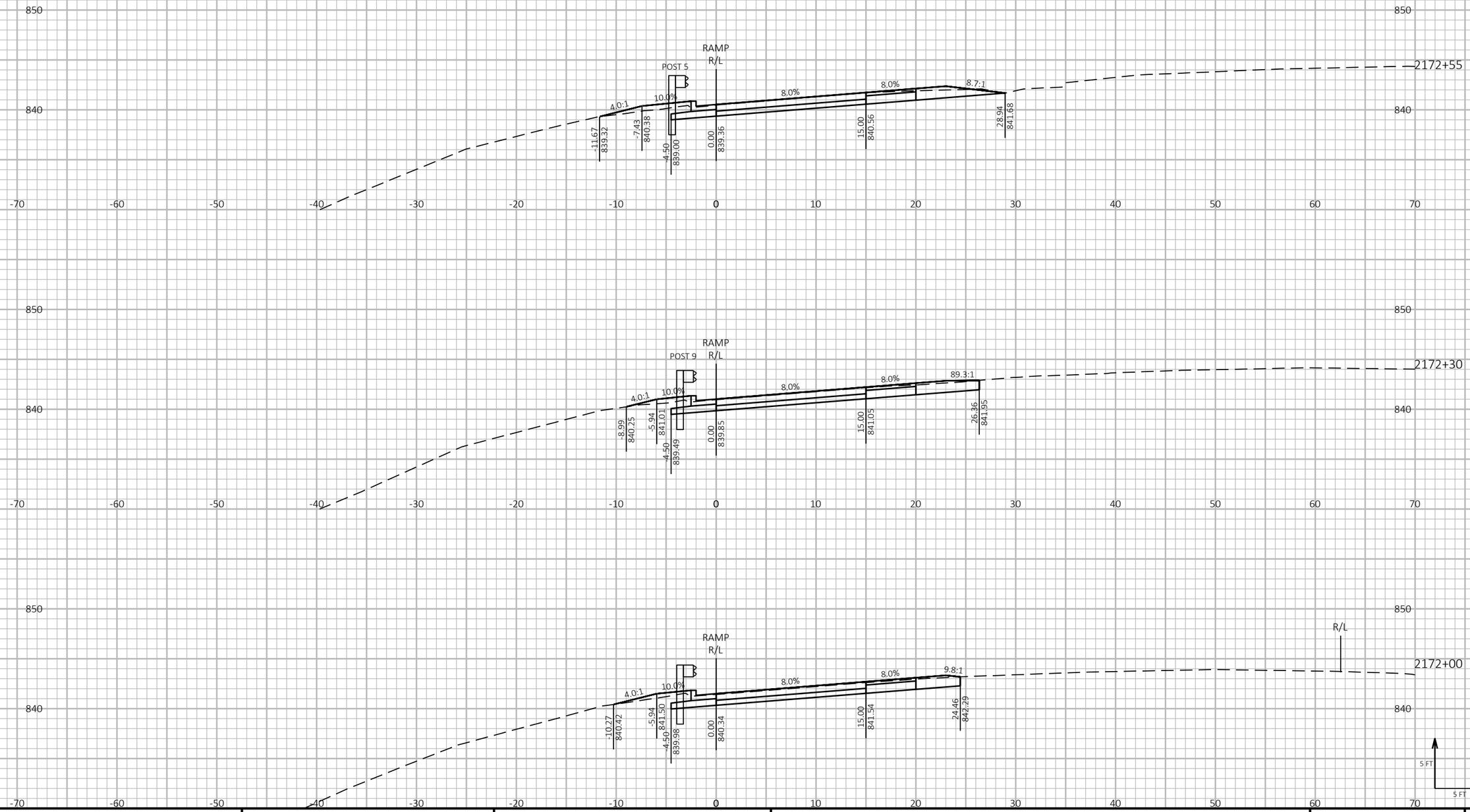
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/BUS 29 ENTRANCE- 'XD' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/BUS 29 ENTRANCE	SHEET 1066	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090216-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/26/2023 2:13 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

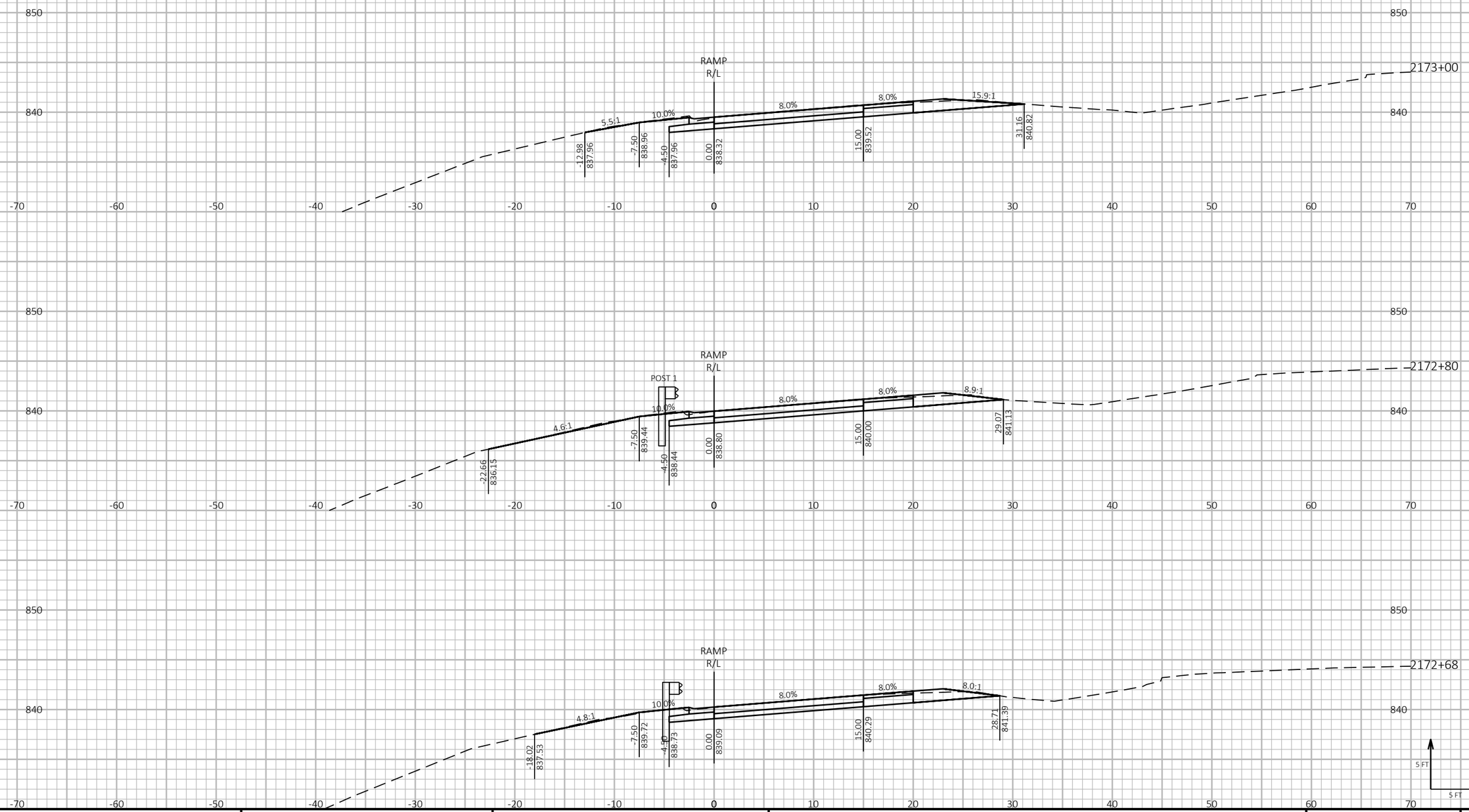
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/BUS 29 ENTRANCE- 'XD' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/BUS 29 ENTRANCE	SHEET 1067	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090216-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 7/26/2023 2:13 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

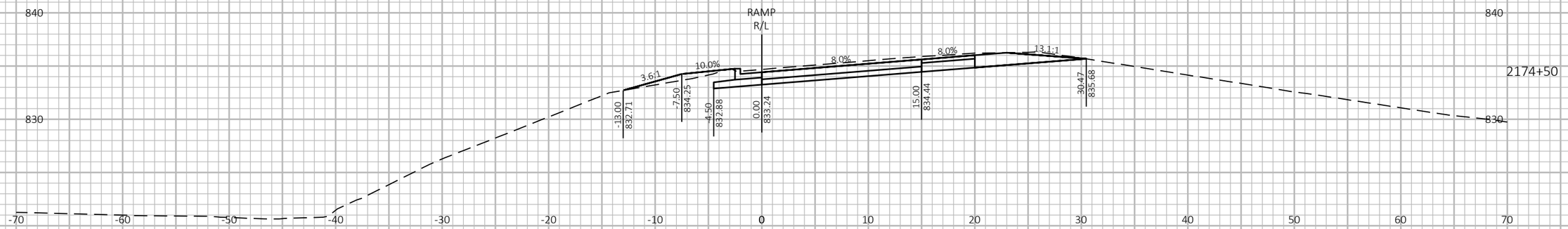
WISDOT/CADDS SHEET 49

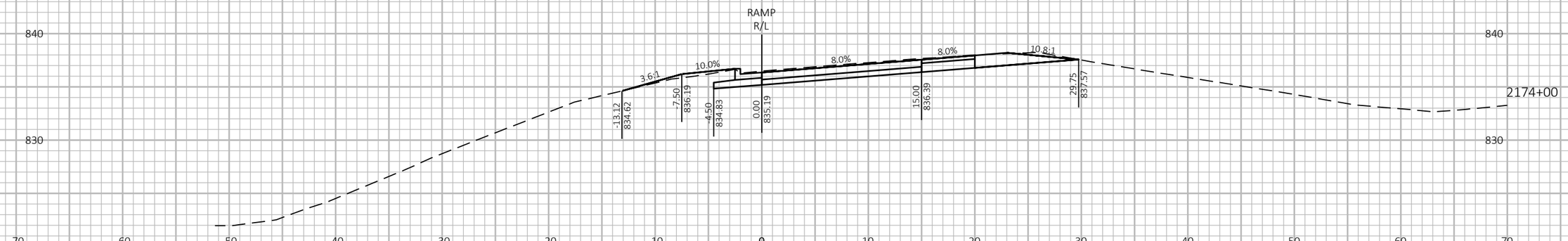
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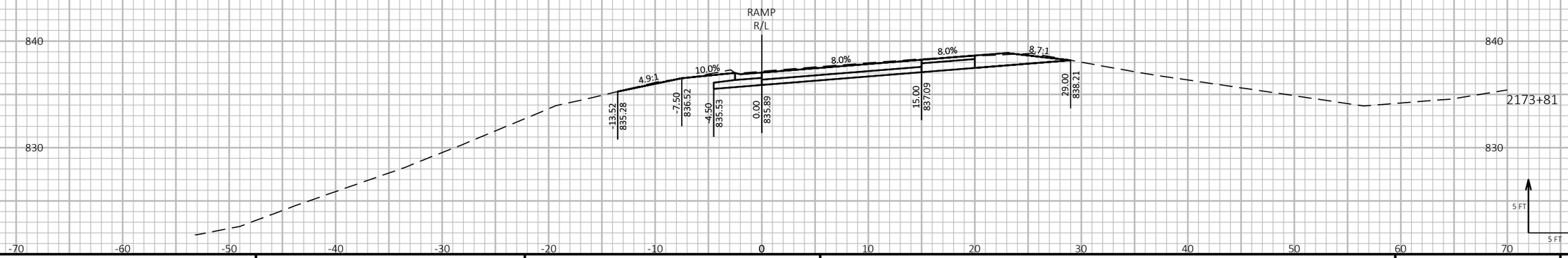
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/BUS 29 ENTRANCE- 'XD' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/BUS 29 ENTRANCE	SHEET 1068	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090216-XS.DWG
LAYOUT NAME - 05

PLOT DATE : 7/26/2023 2:14 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/BUS 29 ENTRANCE- 'XD' ALIGNMENT

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/BUS 29 ENTRANCE	SHEET 1069	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090216-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/26/2023 2:14 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

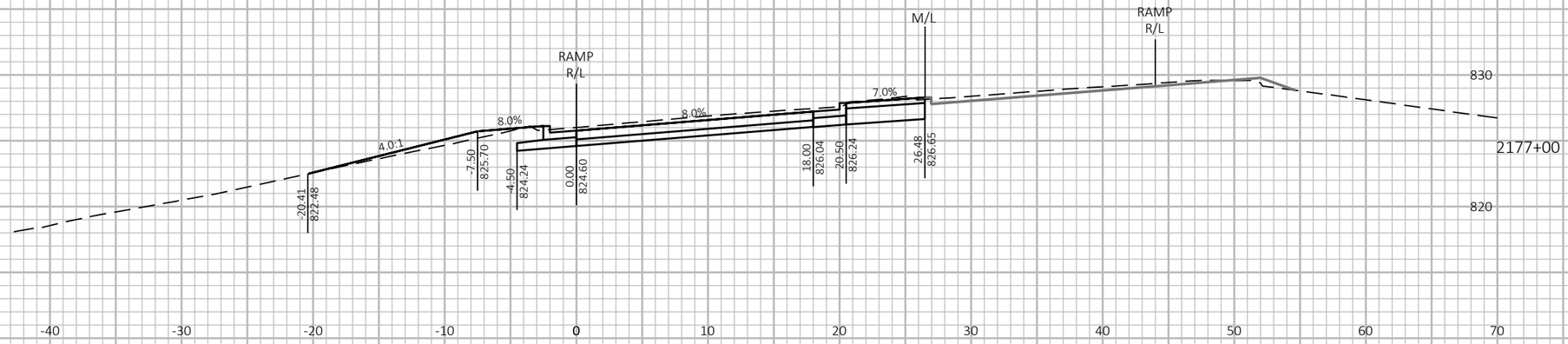
WISDOT/CADDS SHEET 49

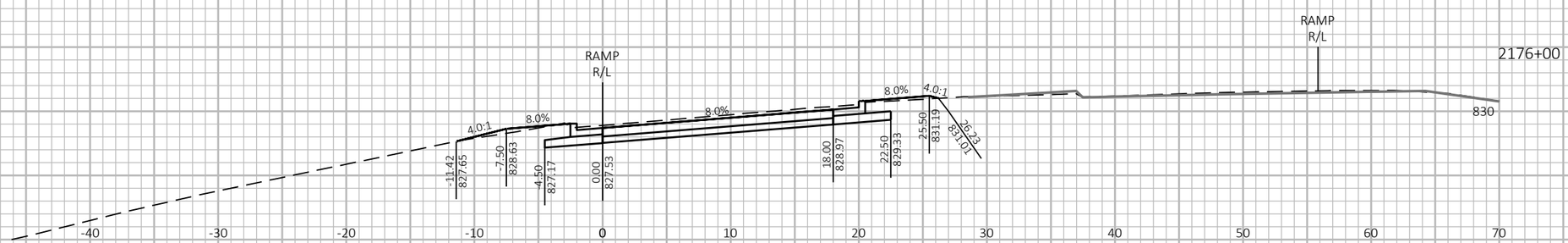
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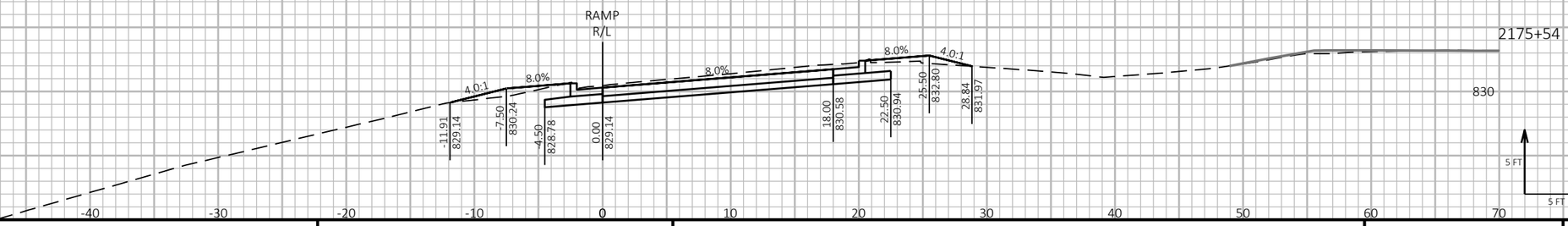
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/BUS 29 ENTRANCE- 'XD' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/BUS 29 ENTRANCE	SHEET 1070	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090216-XS.DWG
LAYOUT NAME - 07

PLOT DATE : 7/26/2023 2:14 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

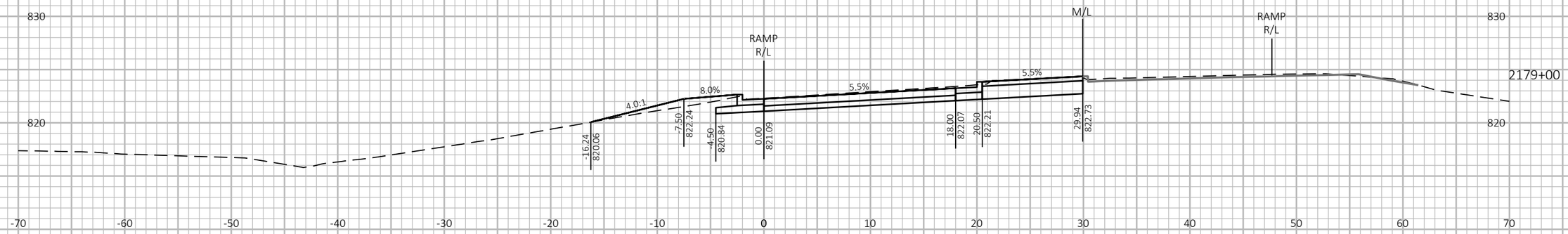
WISDOT/CADDS SHEET 49

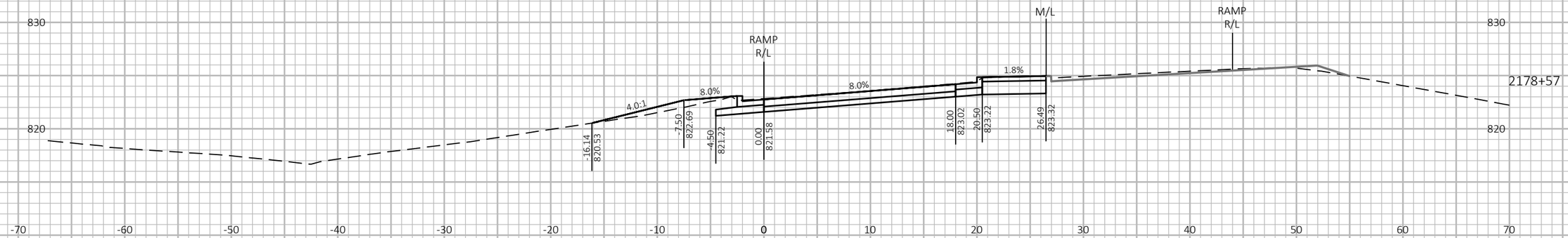
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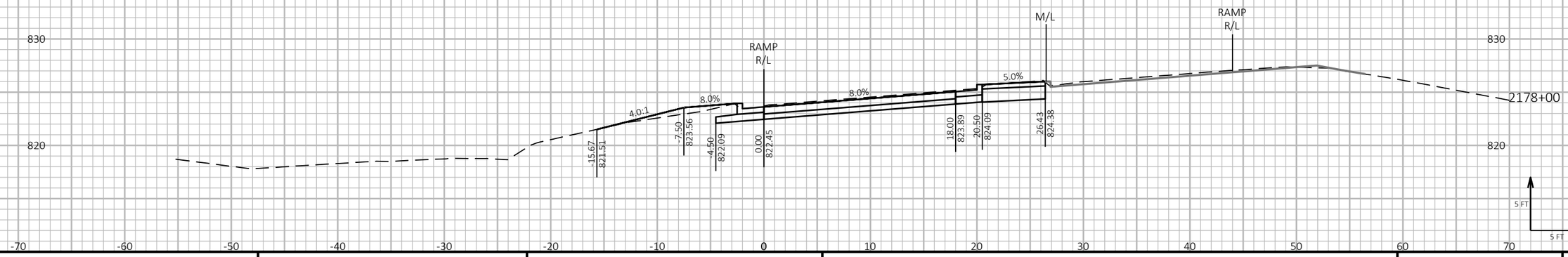
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/BUS 29 ENTRANCE- 'XD' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/BUS 29 ENTRANCE	SHEET 1071	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090216-XS.DWG
LAYOUT NAME - 08

PLOT DATE : 7/26/2023 2:15 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

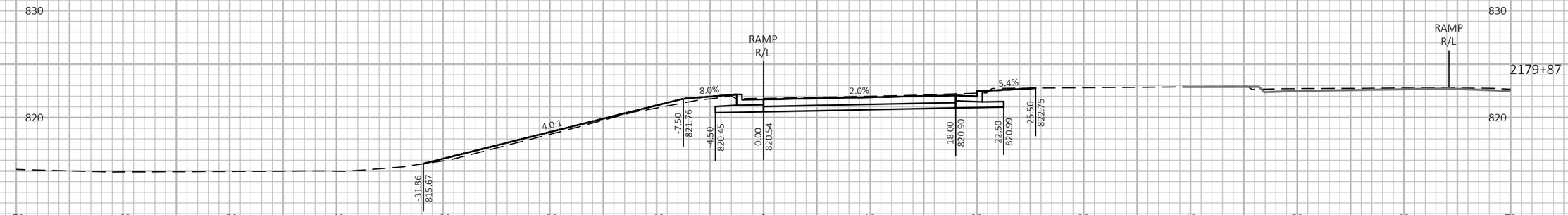
WISDOT/CADDS SHEET 49

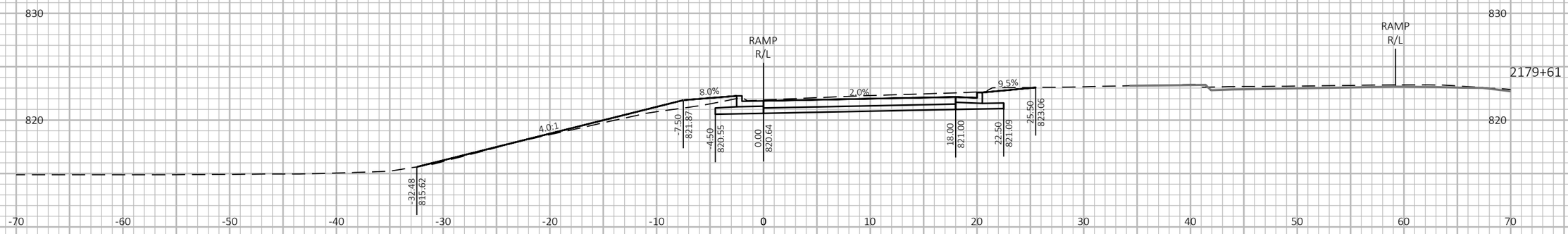
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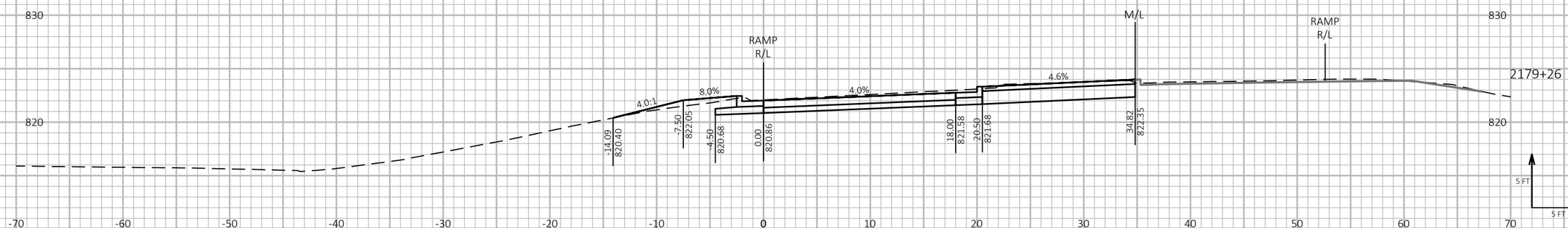
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/BUS 29 ENTRANCE- 'XD' ALIGNMENT







PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/BUS 29 ENTRANCE	SHEET 1072	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090216-XS.DWG
LAYOUT NAME - 09

PLOT DATE : 7/26/2023 2:15 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

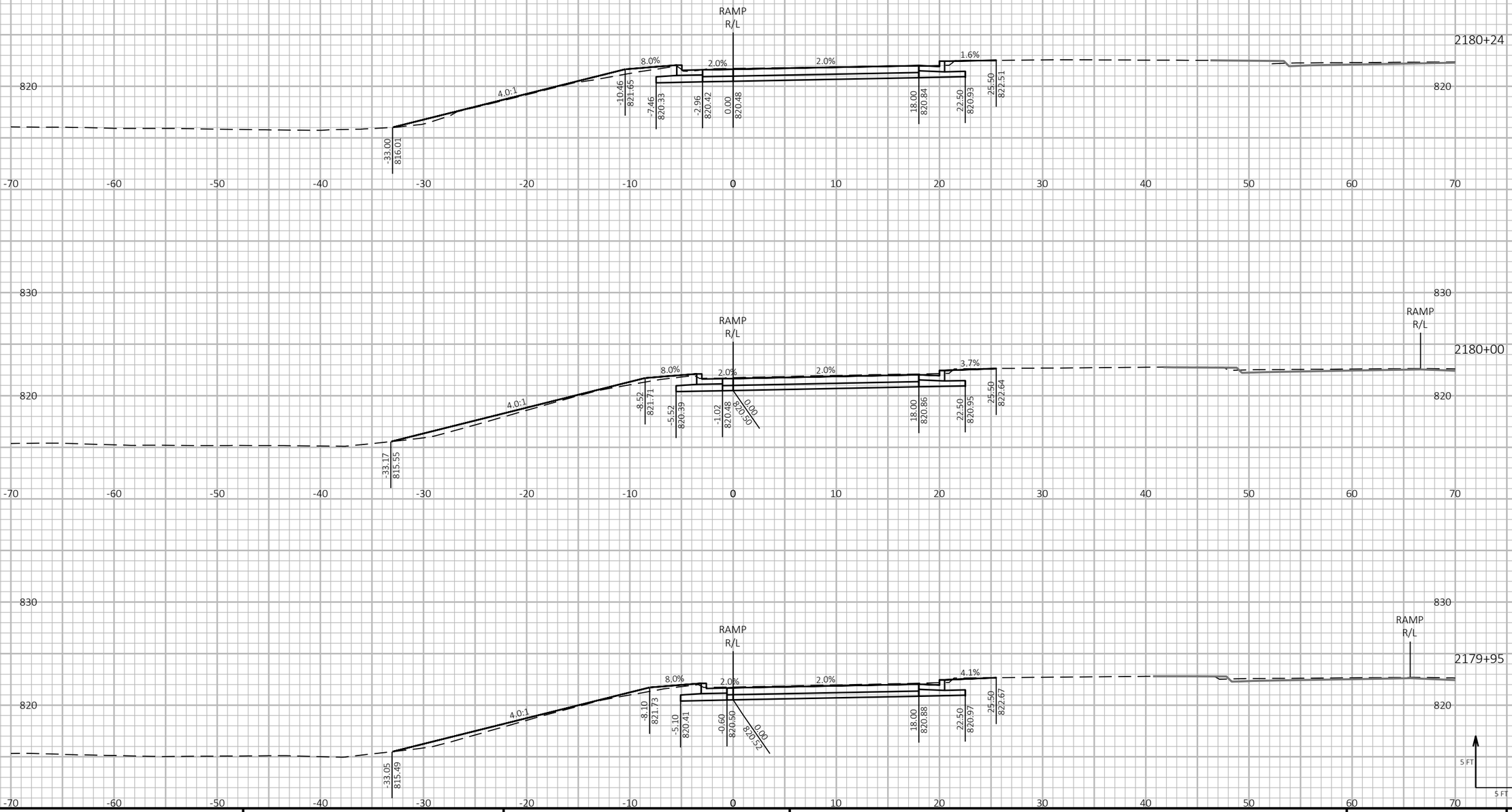
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/BUS 29 ENTRANCE- 'XD' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/BUS 29 ENTRANCE	SHEET 1073	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090216-XS.DWG
LAYOUT NAME - 10

PLOT DATE : 7/26/2023 2:15 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

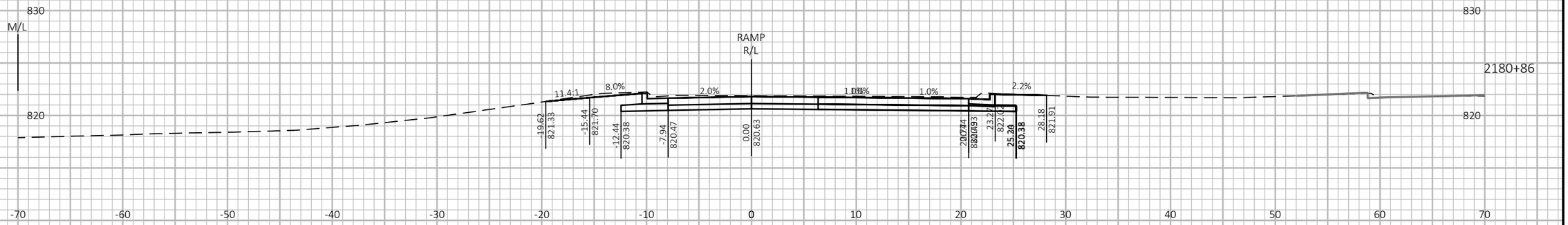
WISDOT/CADDS SHEET 49

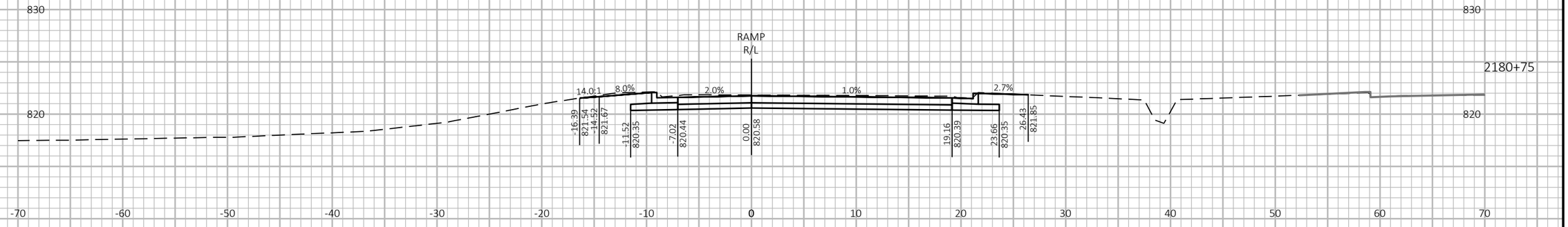
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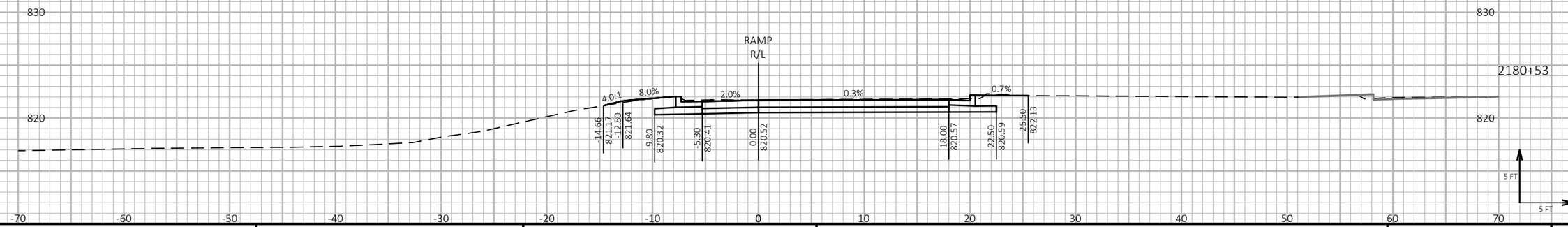
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/BUS 29 ENTRANCE- 'XD' ALIGNMENT







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9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/BUS 29 ENTRANCE	SHEET 1074	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090216-XS.DWG
LAYOUT NAME - 11

PLOT DATE : 7/26/2023 2:15 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

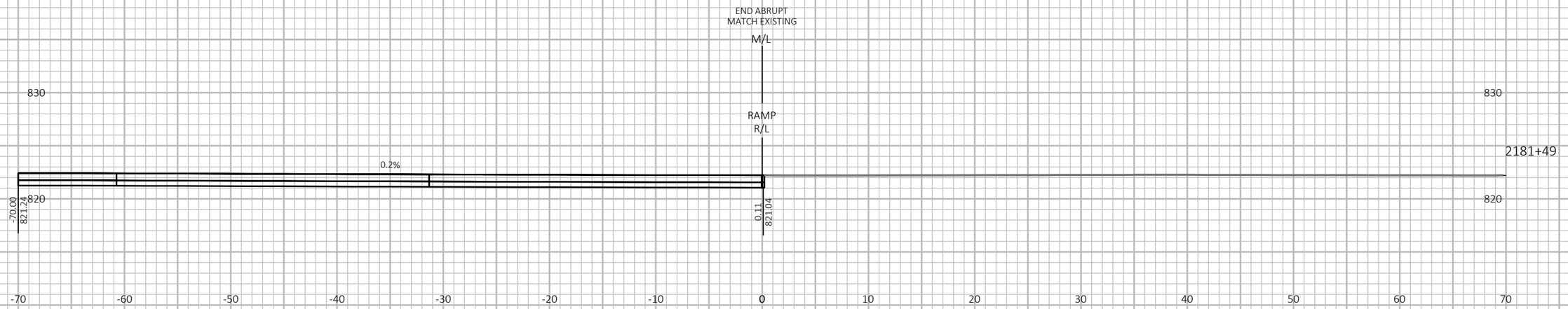
WISDOT/CADDS SHEET 49

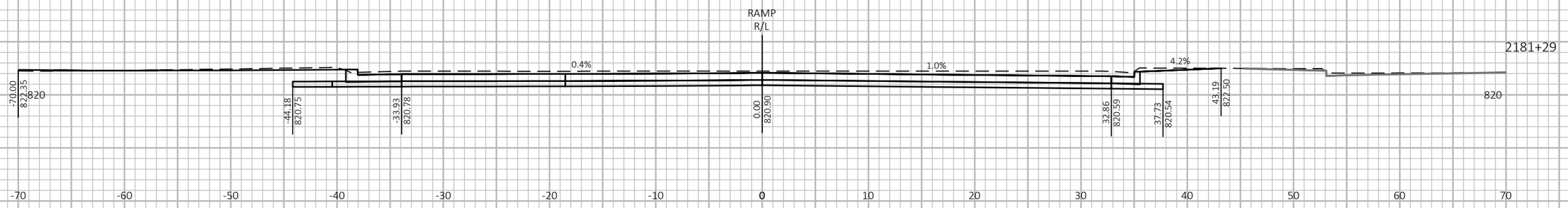
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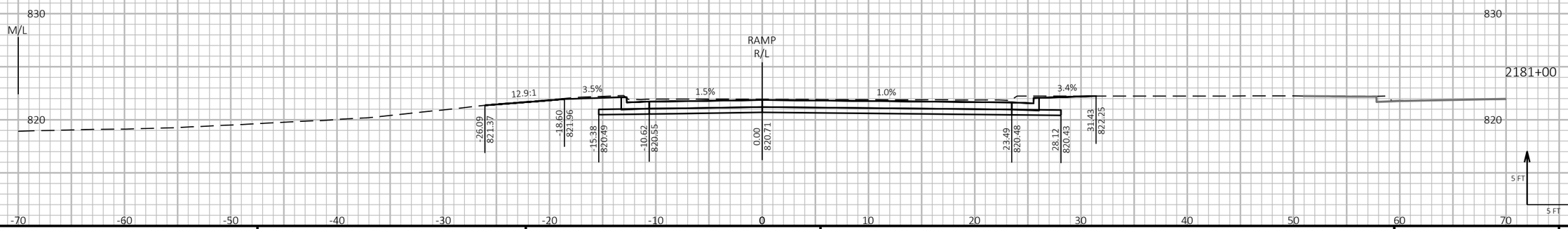
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/BUS 29 ENTRANCE- 'XD' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/BUS 29 ENTRANCE	SHEET 1075	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090216-XS.DWG
LAYOUT NAME - 12

PLOT DATE : 7/26/2023 2:15 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

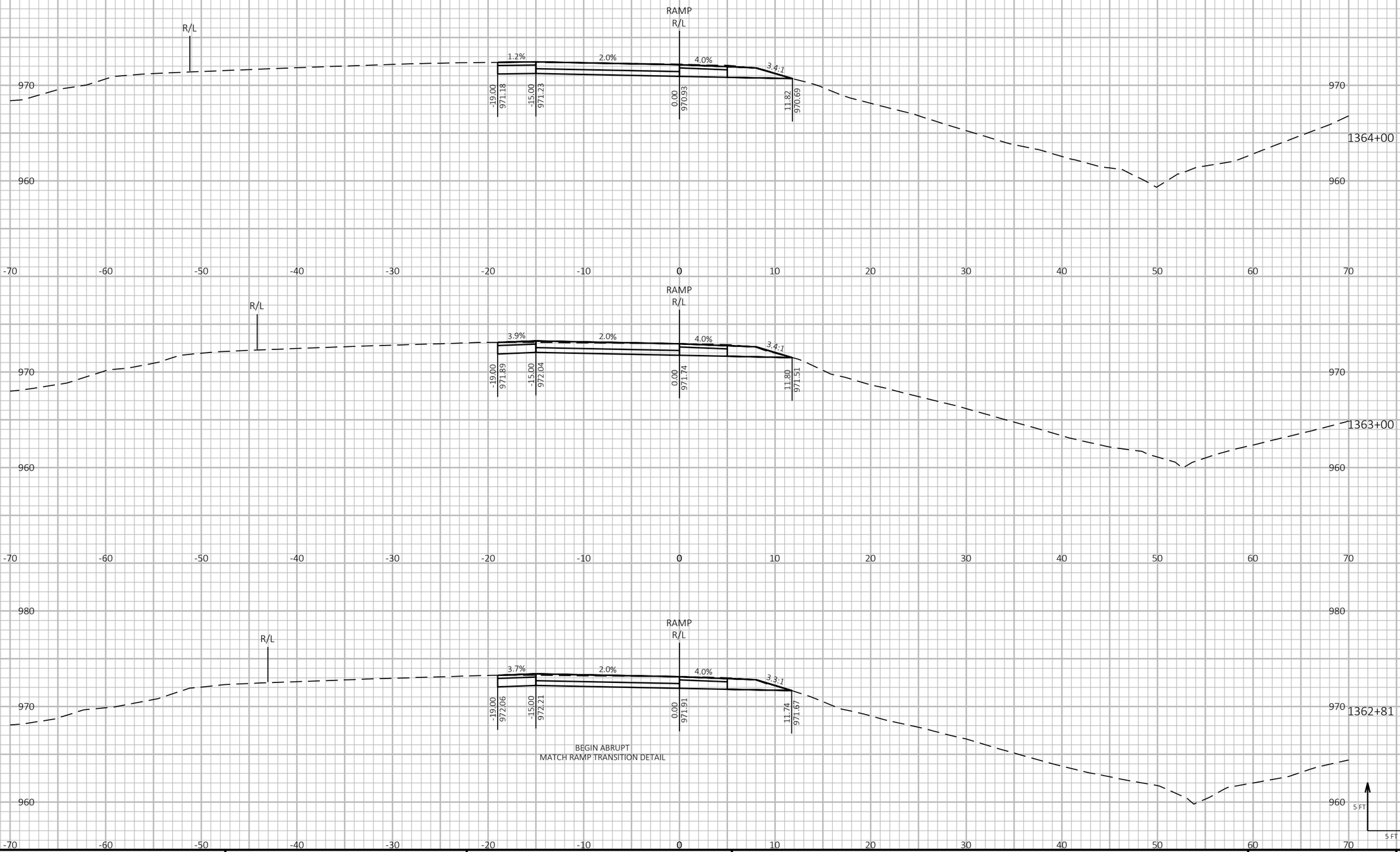
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH S EXIT - 'SA' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH S EXIT	SHEET 1076	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090217-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 2:37 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

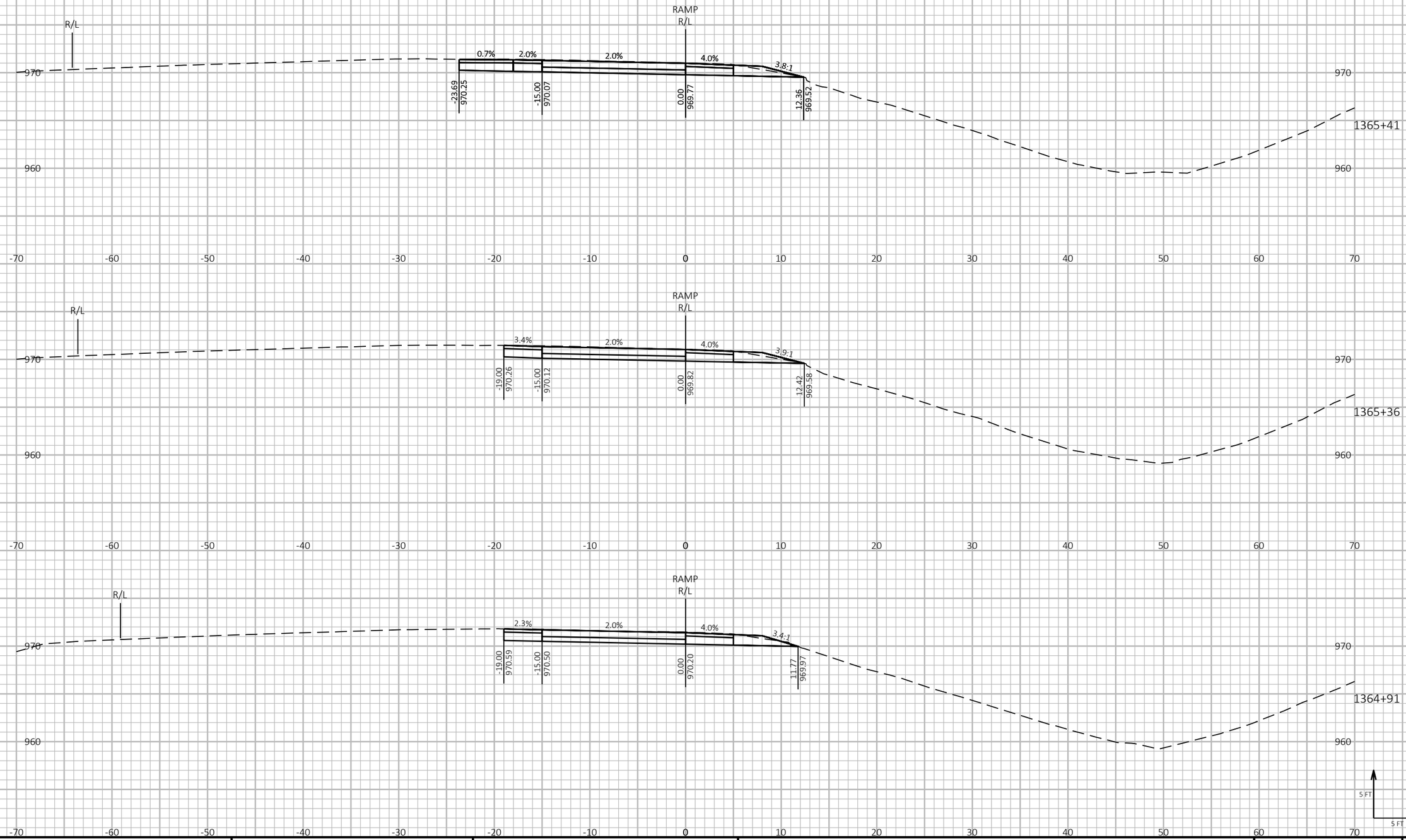
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH S EXIT - 'SA' ALIGNMENT



9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH S EXIT	SHEET 1077	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090217-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/26/2023 2:38 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

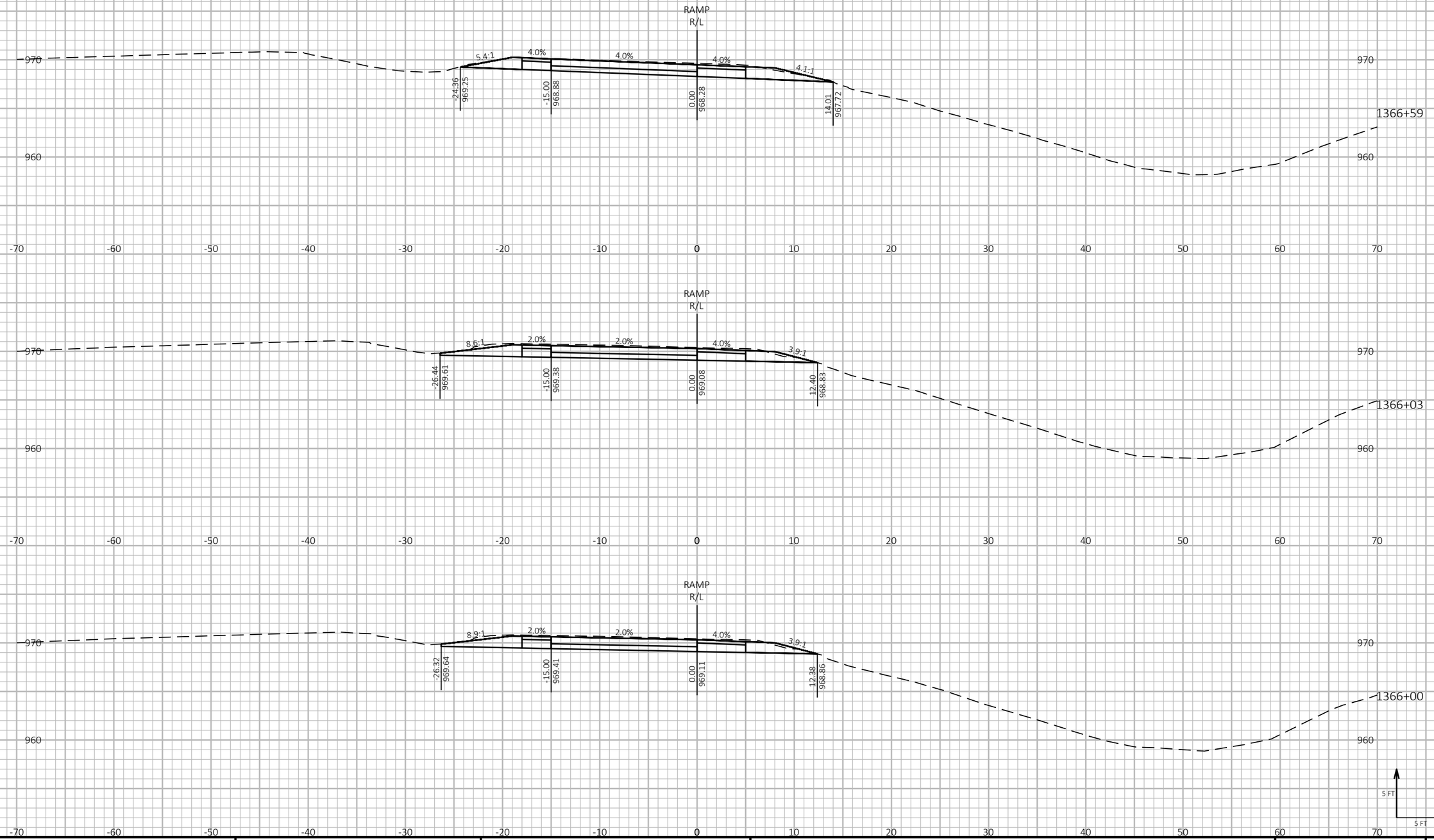
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH S EXIT - 'SA' ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH S EXIT	SHEET 1078	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090217-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/26/2023 2:38 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

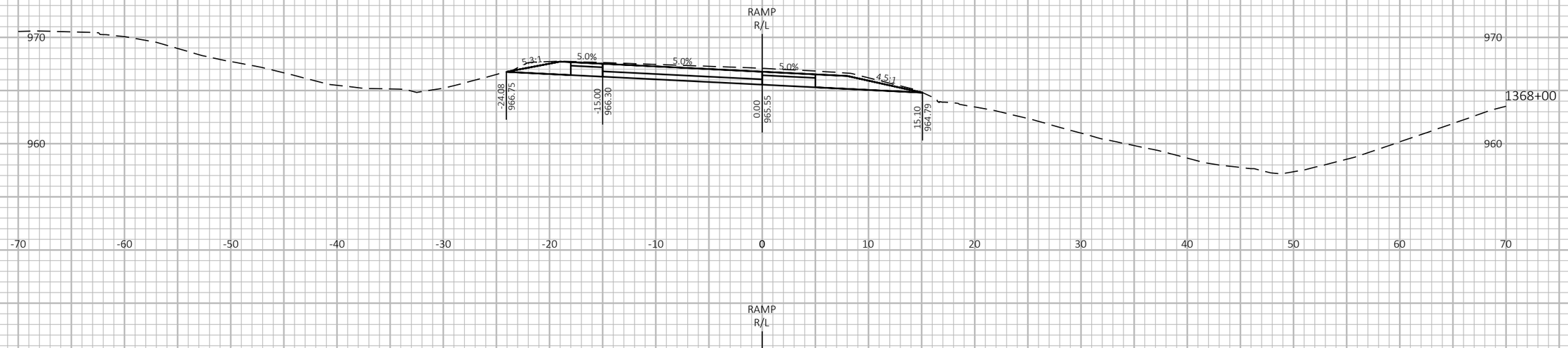
WISDOT/CADDS SHEET 49

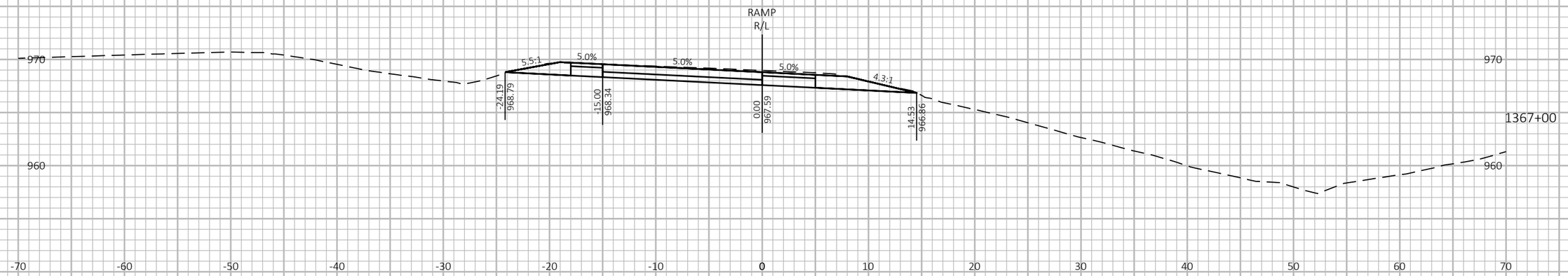
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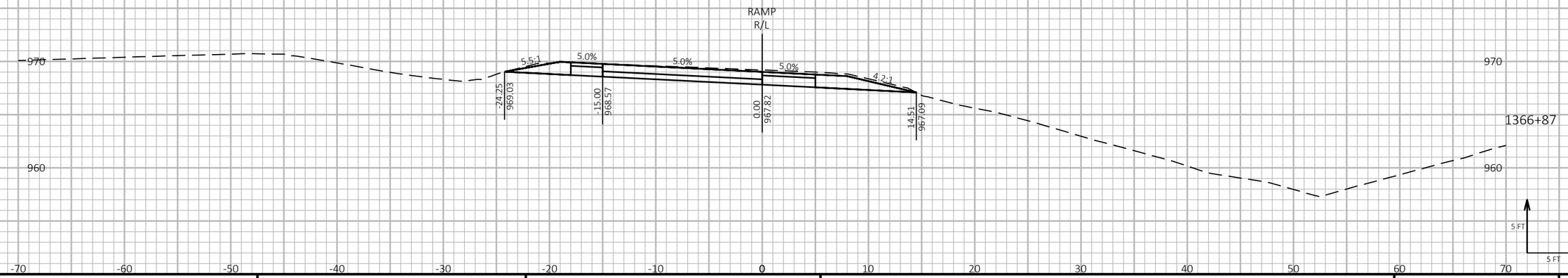
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH S EXIT - 'SA' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH S EXIT	SHEET 1079	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090217-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 7/26/2023 2:38 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

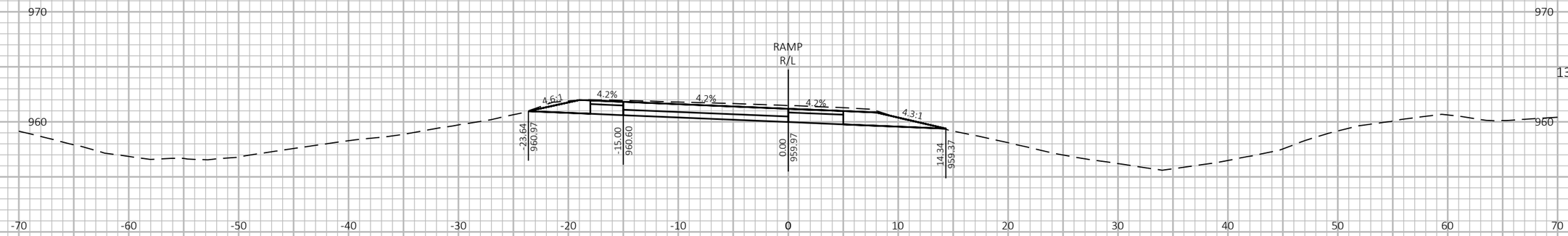
WISDOT/CADDS SHEET 49

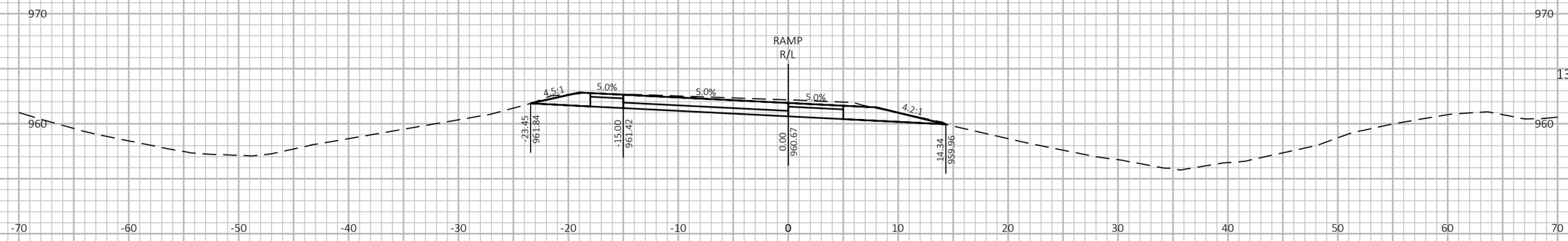
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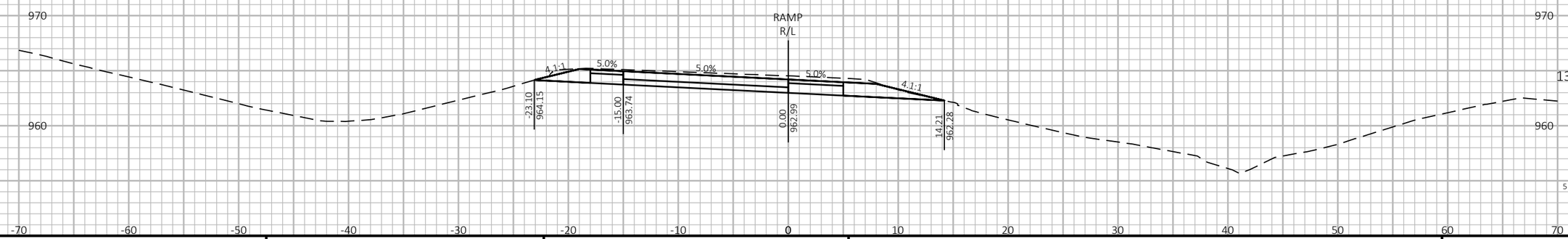
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH S EXIT - 'SA' ALIGNMENT







9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH S EXIT	SHEET 1080	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090217-XS.DWG
LAYOUT NAME - 05

PLOT DATE : 7/26/2023 2:39 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

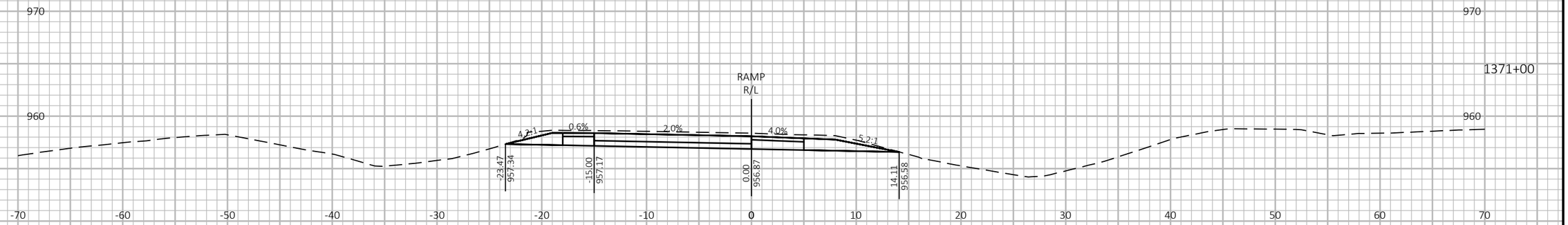
WISDOT/CADDS SHEET 49

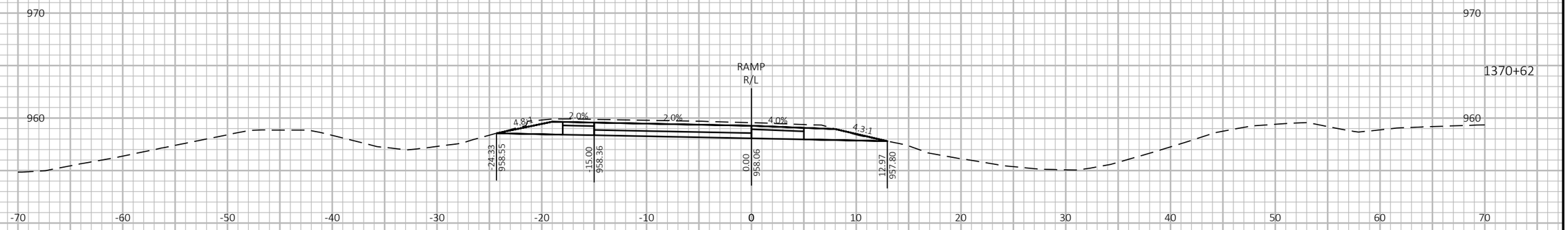
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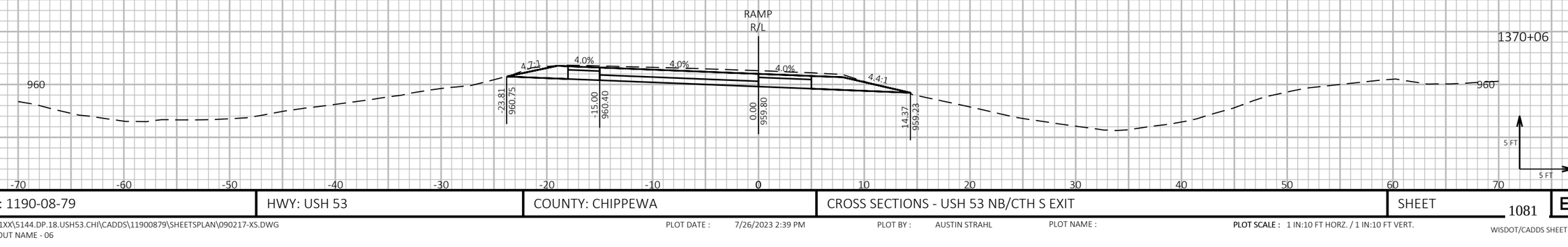
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH S EXIT - 'SA' ALIGNMENT







9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH S EXIT	SHEET 1081	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090217-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/26/2023 2:39 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

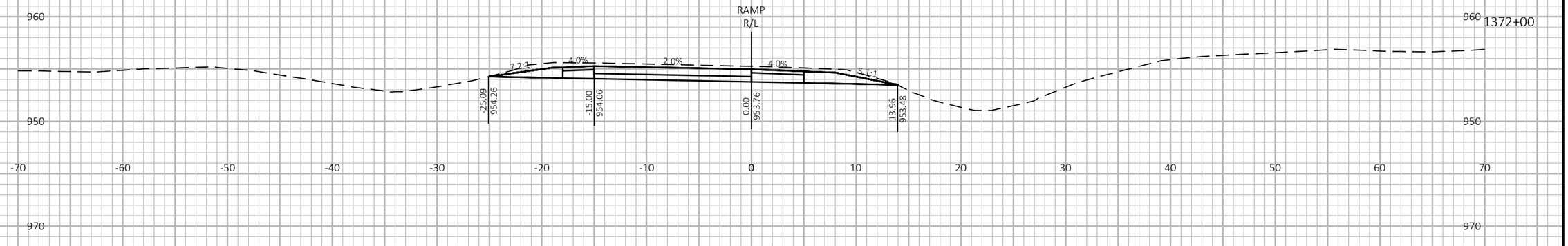
WISDOT/CADDS SHEET 49

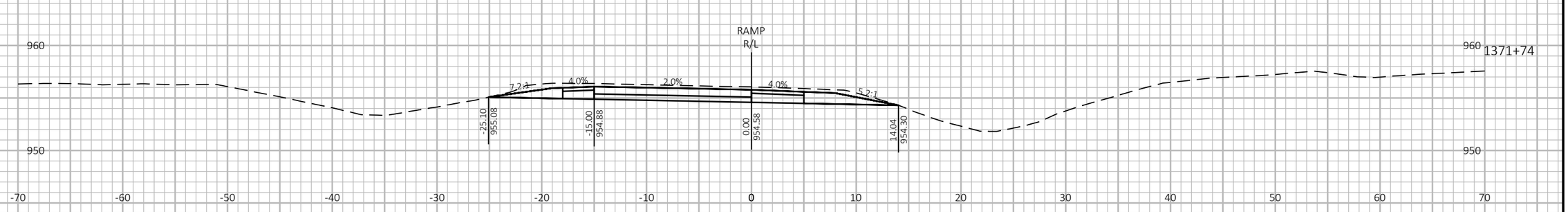
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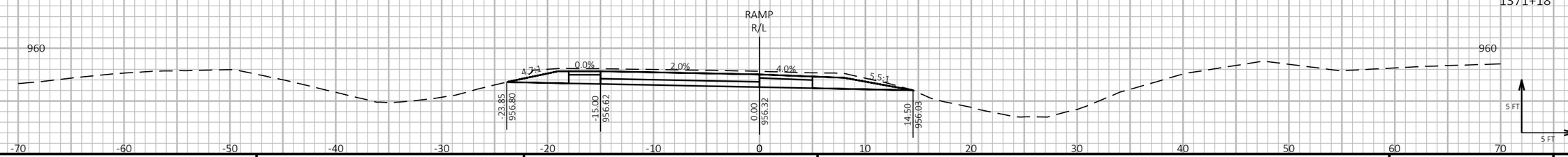
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH S EXIT - 'SA' ALIGNMENT







9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH S EXIT	SHEET 1082	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090217-XS.DWG
LAYOUT NAME - 07

PLOT DATE : 7/26/2023 2:39 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

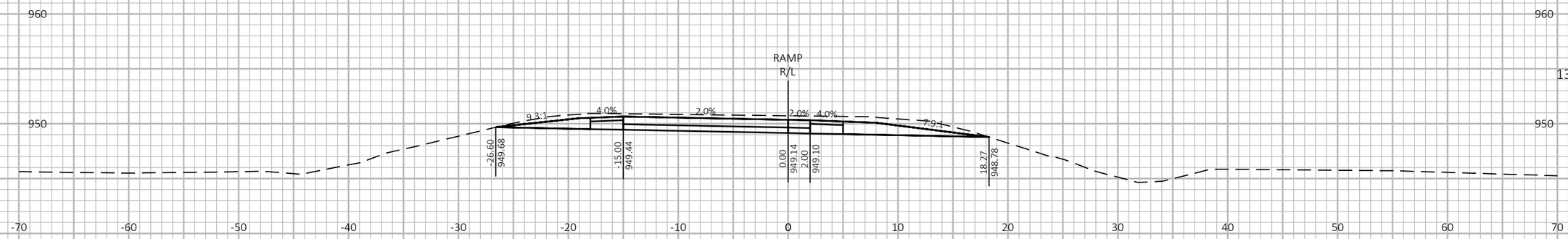
WISDOT/CADDS SHEET 49

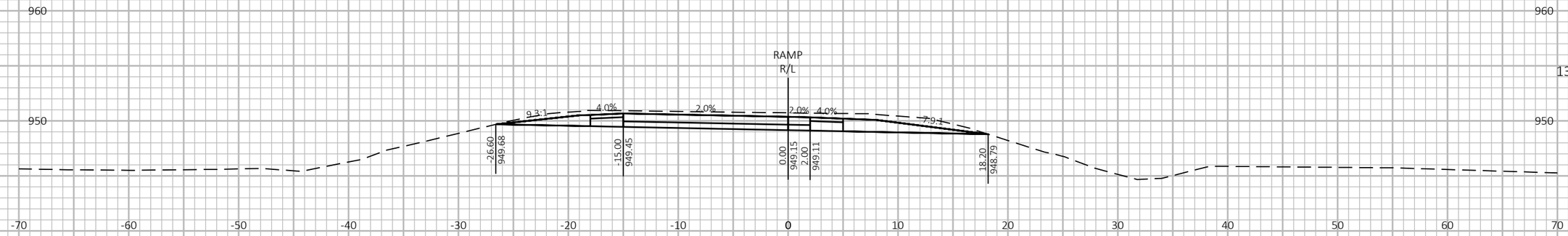
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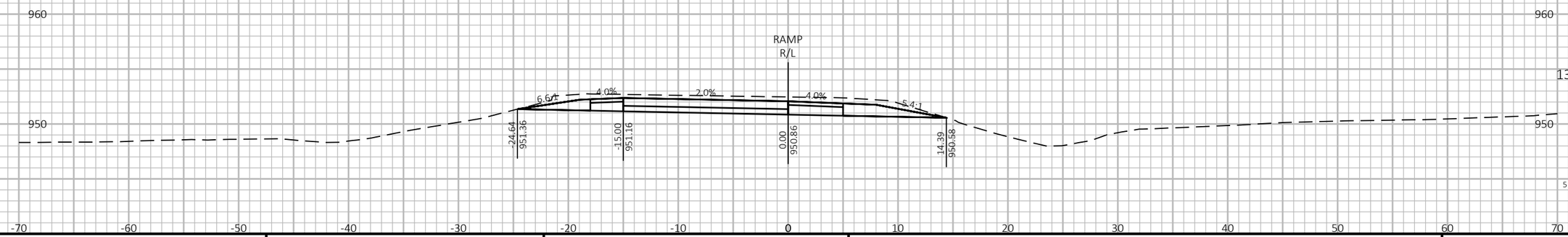
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH S EXIT - 'SA' ALIGNMENT







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9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH S EXIT	SHEET 1083	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090217-XS.DWG
LAYOUT NAME - 08

PLOT DATE : 7/26/2023 2:40 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

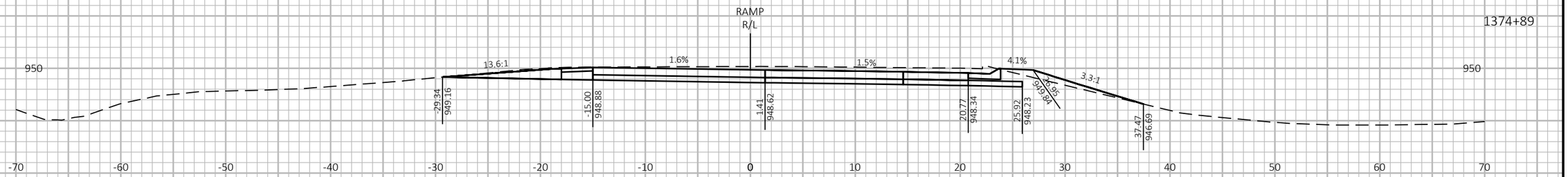
WISDOT/CADDS SHEET 49

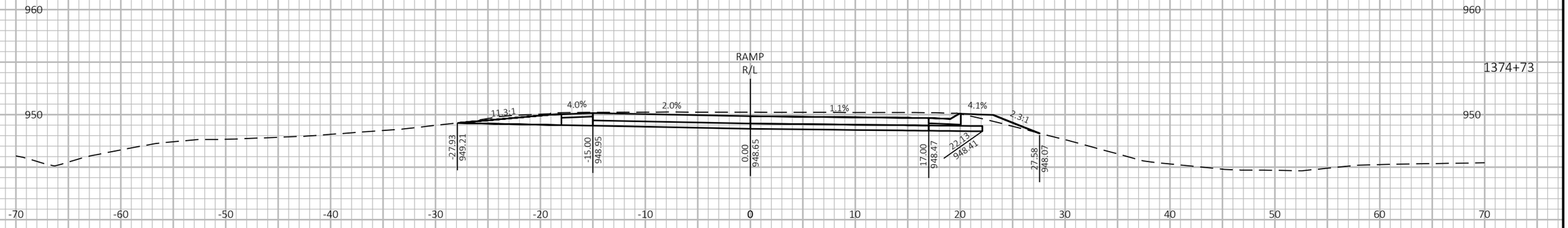
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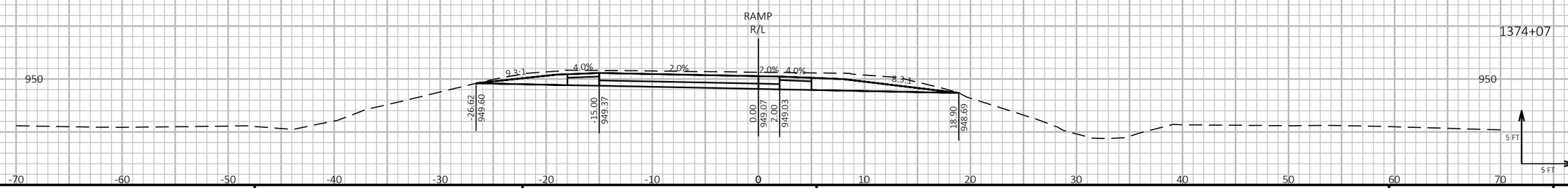
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH S EXIT - 'SA' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH S EXIT	SHEET 1084	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090217-XS.DWG
LAYOUT NAME - 09

PLOT DATE : 7/26/2023 2:40 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

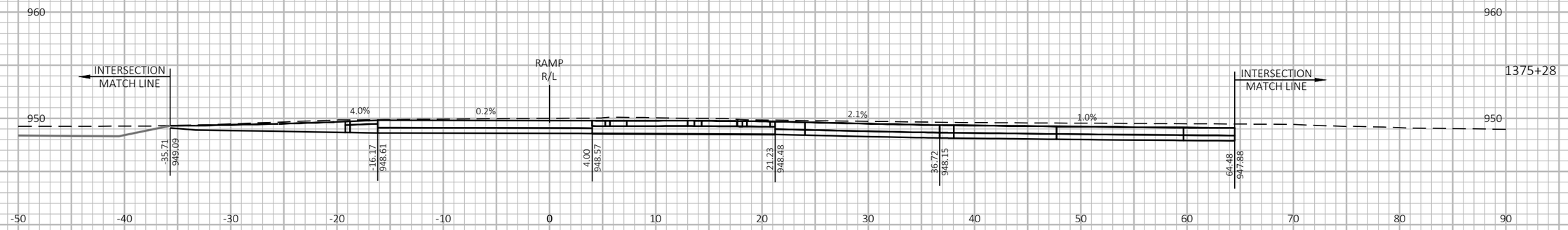
WISDOT/CADDS SHEET 49

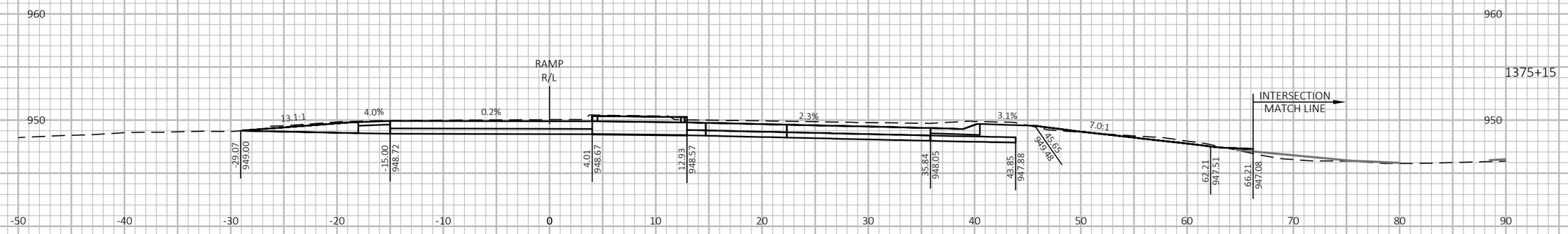
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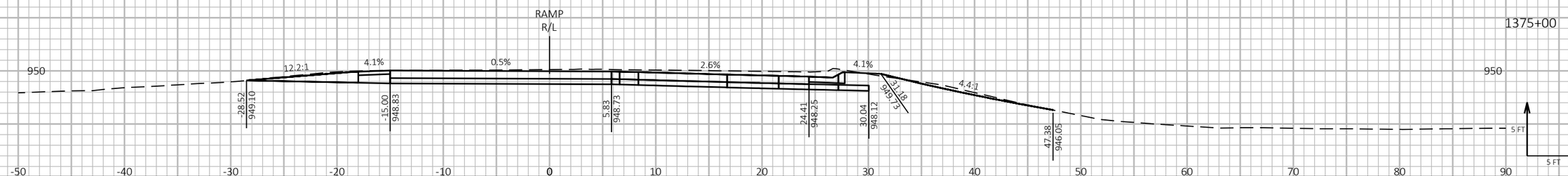
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH S EXIT - 'SA' ALIGNMENT







9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH S EXIT	SHEET 1085	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090217-XS.DWG
LAYOUT NAME - 10

PLOT DATE : 7/26/2023 2:40 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

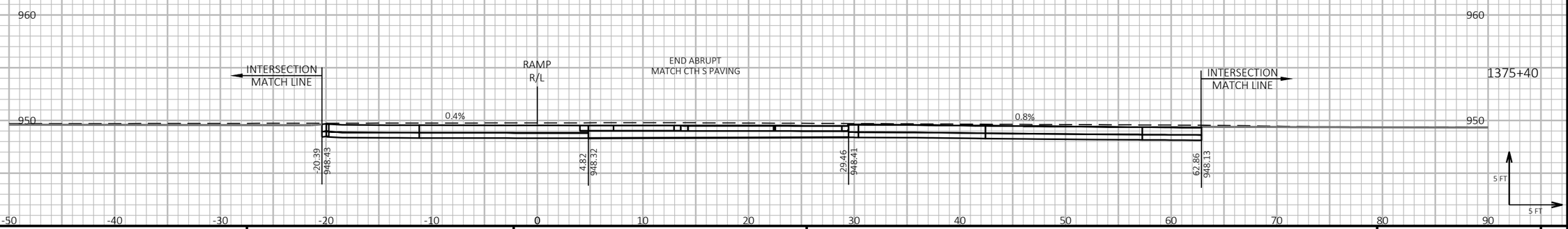
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH S EXIT - 'SA' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH S EXIT	SHEET 1086	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090217-XS.DWG
LAYOUT NAME - 11

PLOT DATE : 7/26/2023 2:41 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

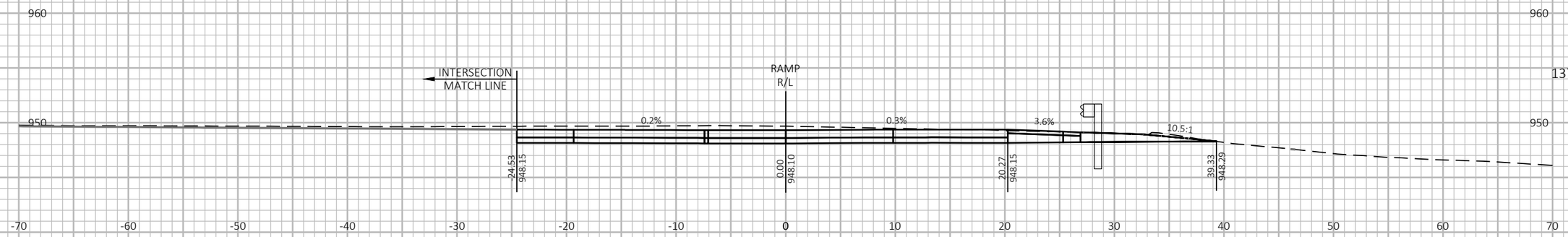
WISDOT/CADDS SHEET 49

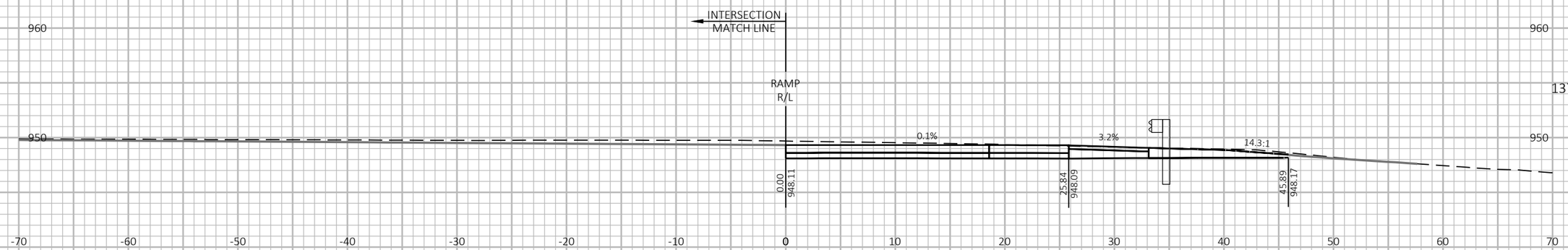
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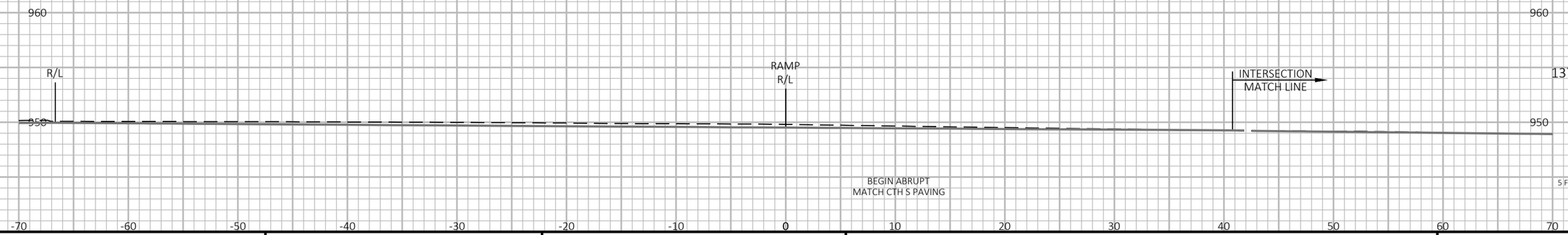
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH S ENTRANCE - 'SB' ALIGNMENT







9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH S ENTRANCE	SHEET 1087	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090218-XS.DWG
LAYOUT NAME - 01

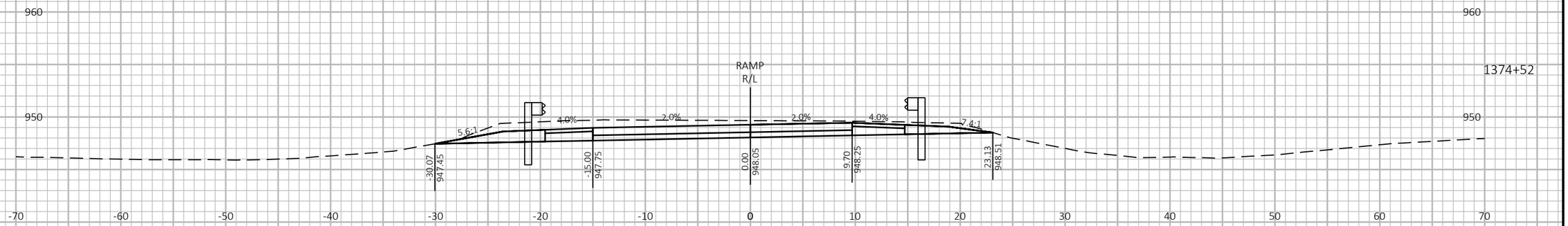
PLOT DATE : 7/26/2023 2:49 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

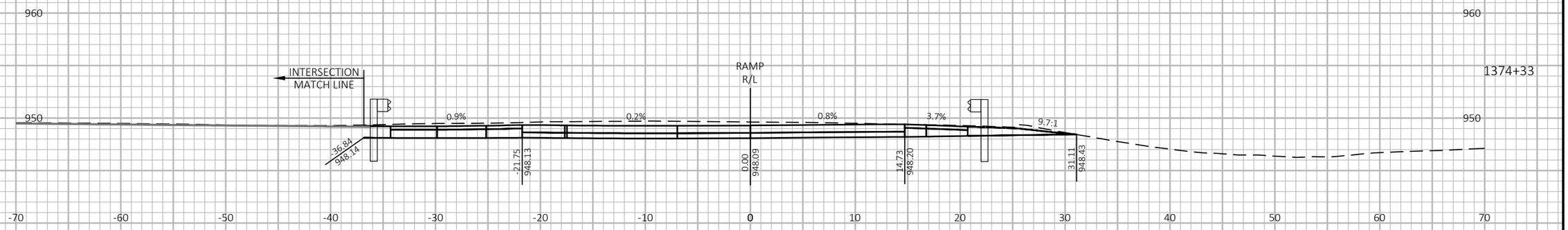
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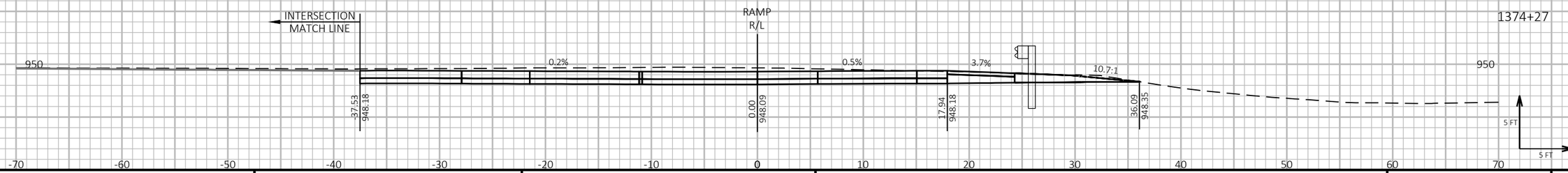
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH S ENTRANCE - 'SB' ALIGNMENT







9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH S ENTRANCE	SHEET 1088	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090218-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/26/2023 2:50 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

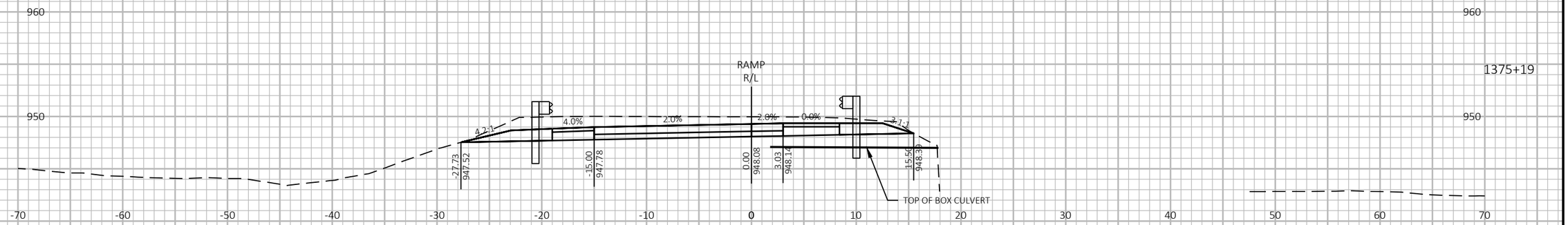
WISDOT/CADDS SHEET 49

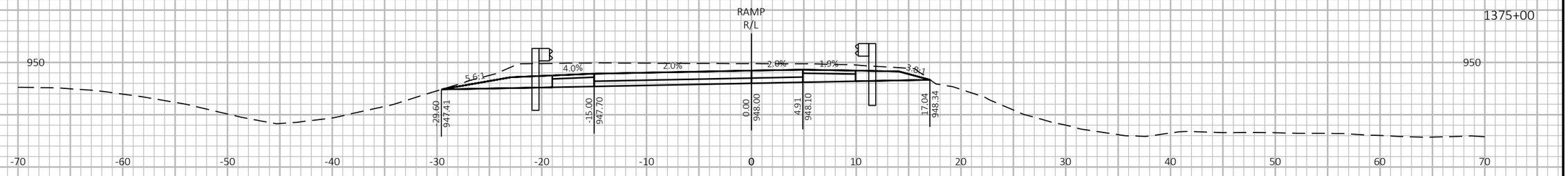
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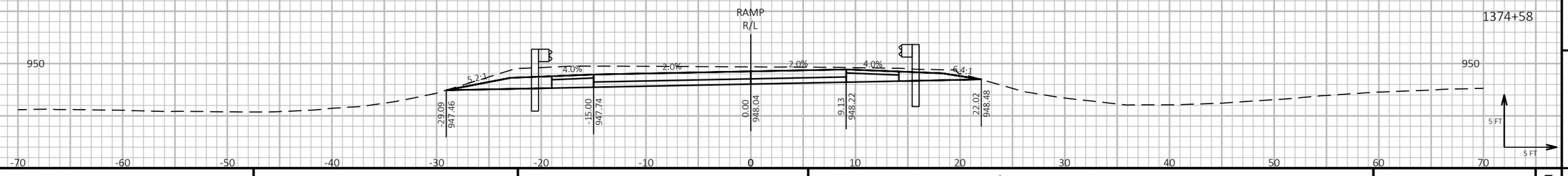
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH S ENTRANCE - 'SB' ALIGNMENT







9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH S ENTRANCE	SHEET 1089	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090218-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/26/2023 2:50 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

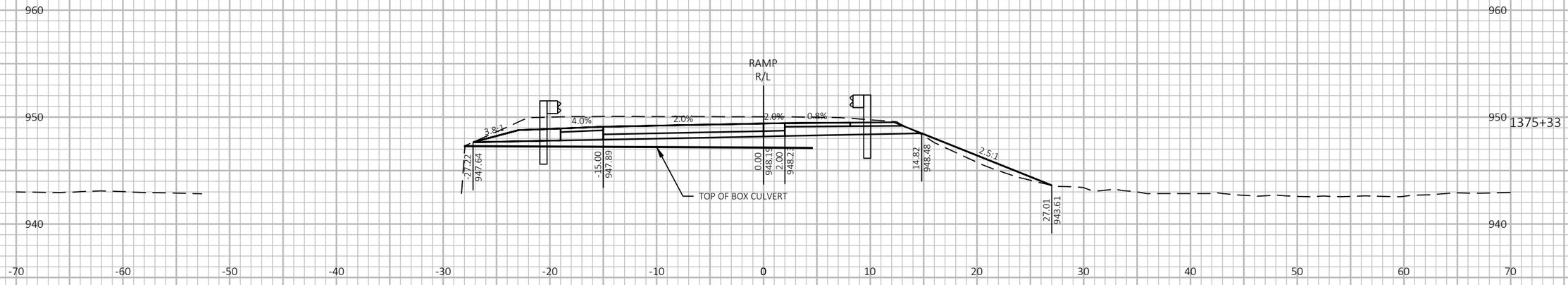
WISDOT/CADDS SHEET 49

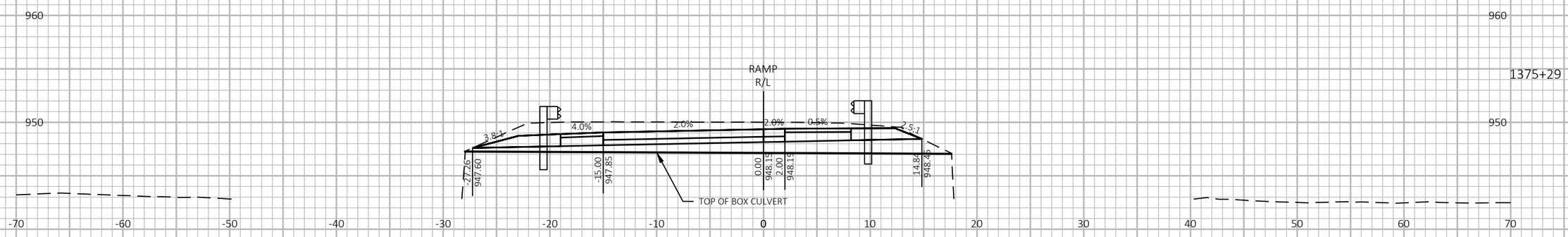
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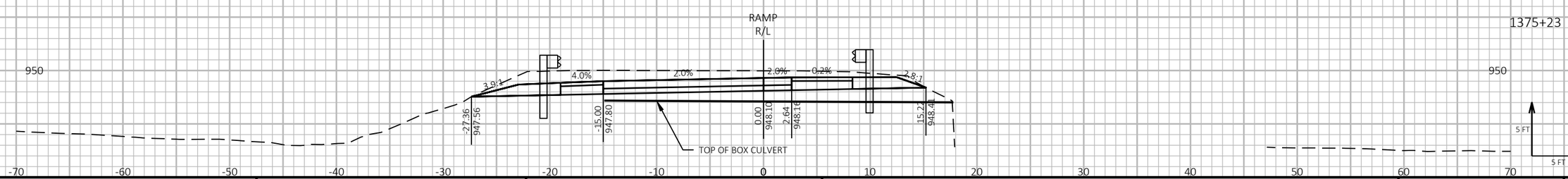
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH S ENTRANCE - 'SB' ALIGNMENT







9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH S ENTRANCE	SHEET 1090	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090218-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 7/26/2023 2:50 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

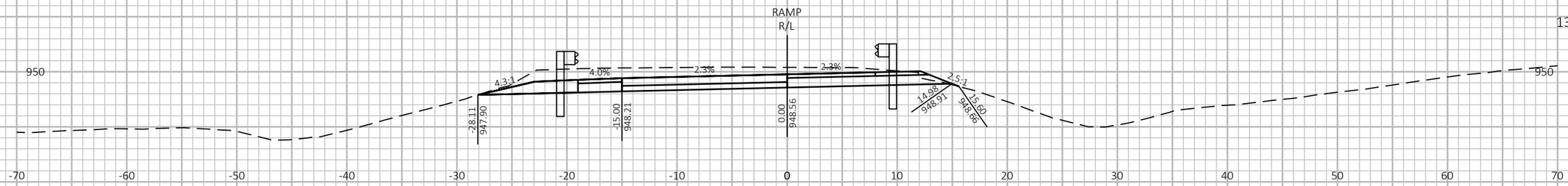
WISDOT/CADDS SHEET 49

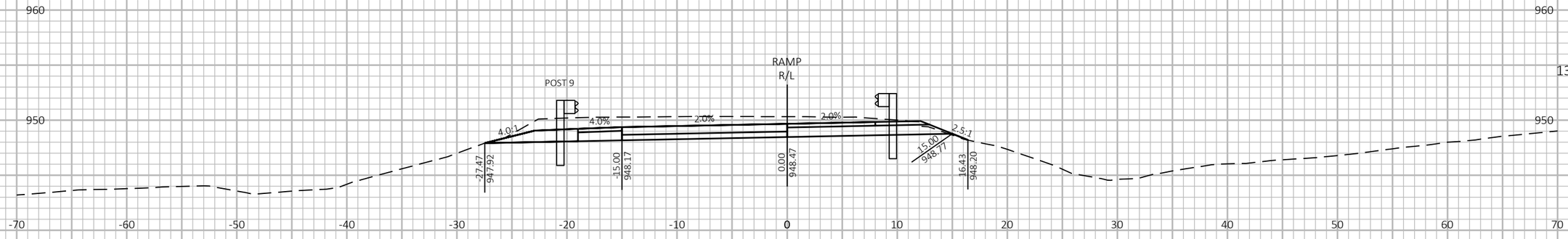
LEGEND

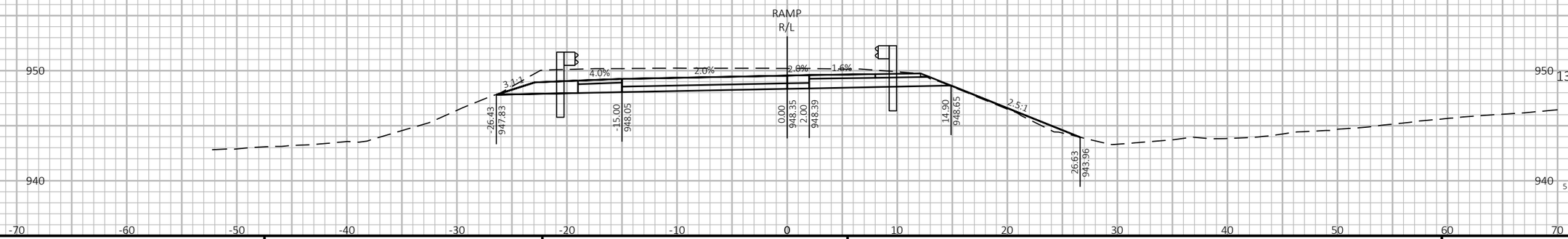
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH S ENTRANCE - 'SB' ALIGNMENT







9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH S ENTRANCE	SHEET 1091	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090218-XS.DWG
LAYOUT NAME - 05

PLOT DATE : 7/26/2023 2:51 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

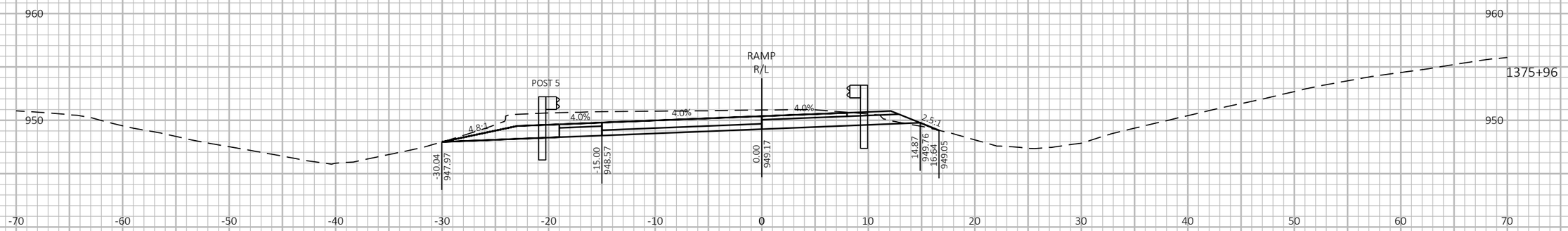
WISDOT/CADDS SHEET 49

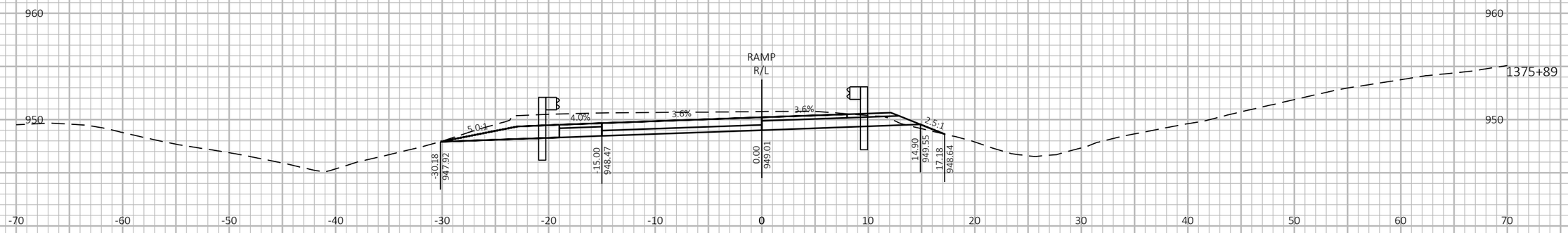
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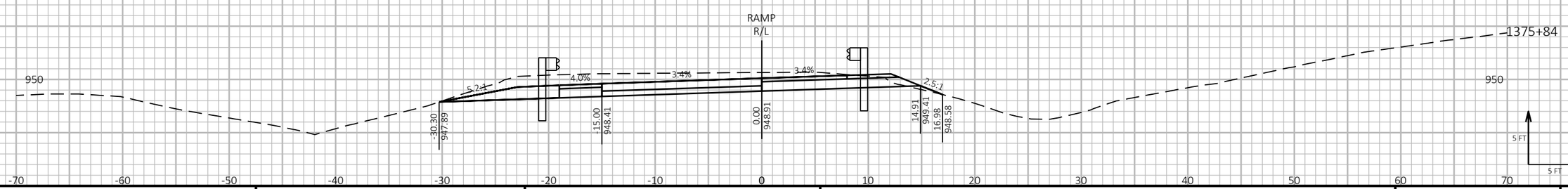
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH S ENTRANCE - 'SB' ALIGNMENT







9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH S ENTRANCE	SHEET 1092	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090218-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/26/2023 2:51 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

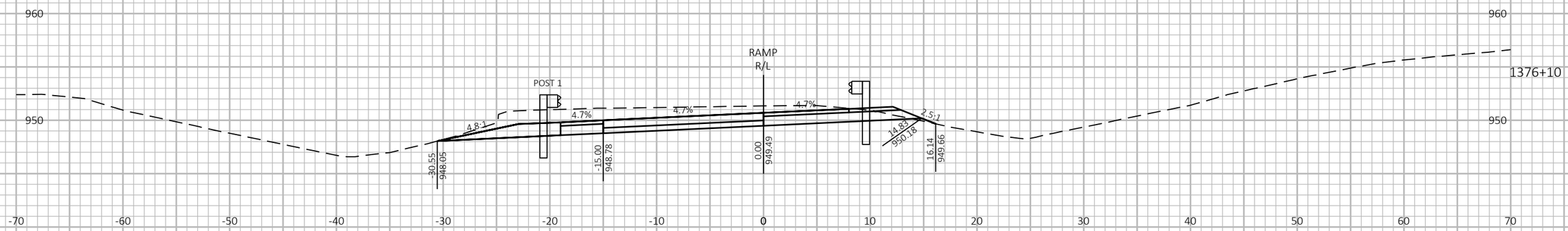
WISDOT/CADDS SHEET 49

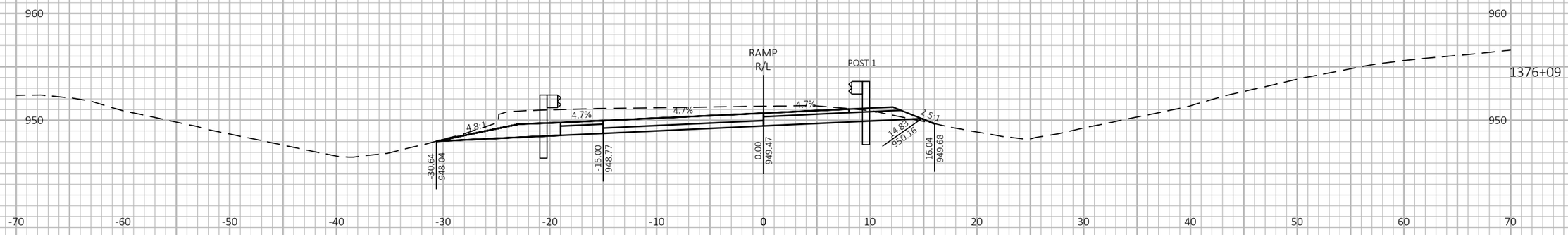
LEGEND

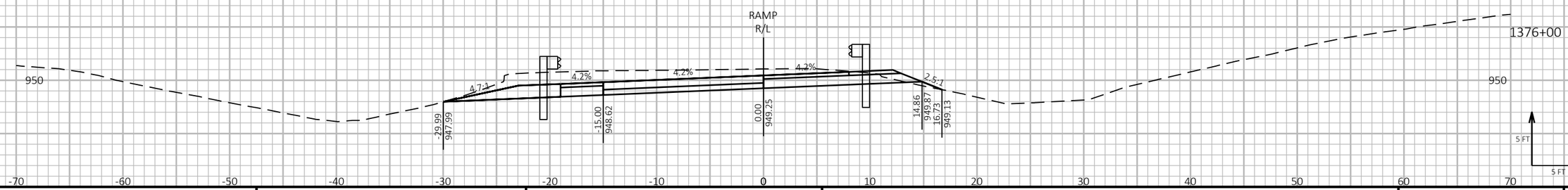
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH S ENTRANCE - 'SB' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH S ENTRANCE	SHEET 1093	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090218-XS.DWG
LAYOUT NAME - 07

PLOT DATE : 7/26/2023 2:51 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

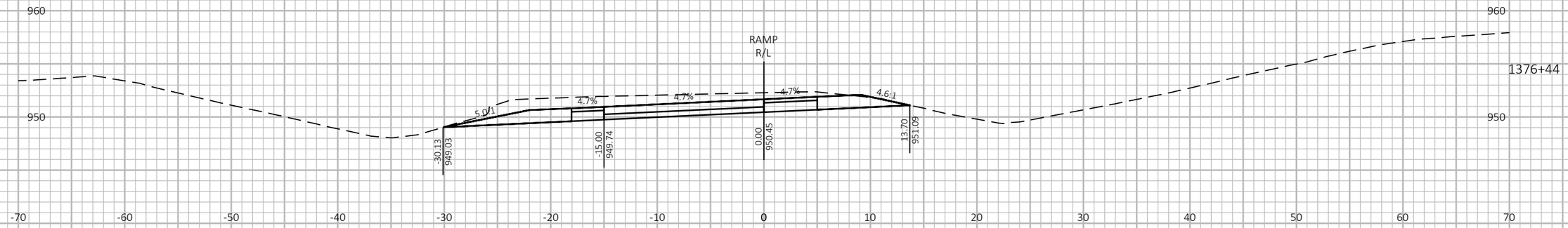
WISDOT/CADDS SHEET 49

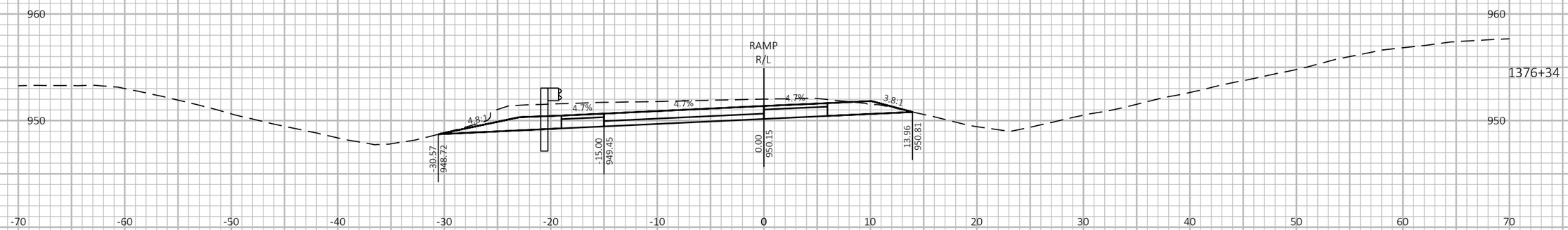
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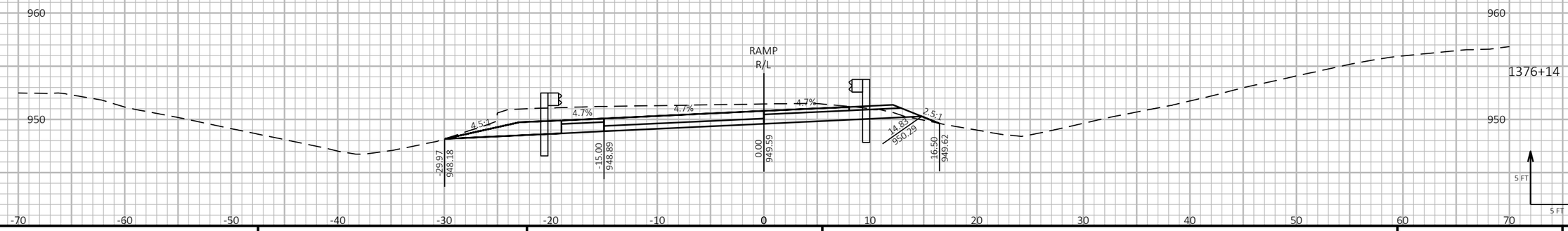
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH S ENTRANCE - 'SB' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH S ENTRANCE	SHEET 1094	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090218-XS.DWG
LAYOUT NAME - 08

PLOT DATE : 7/26/2023 2:52 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

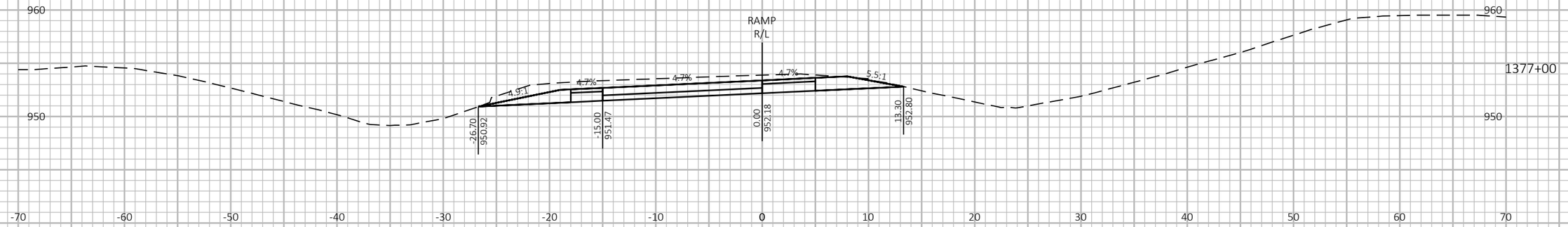
WISDOT/CADDS SHEET 49

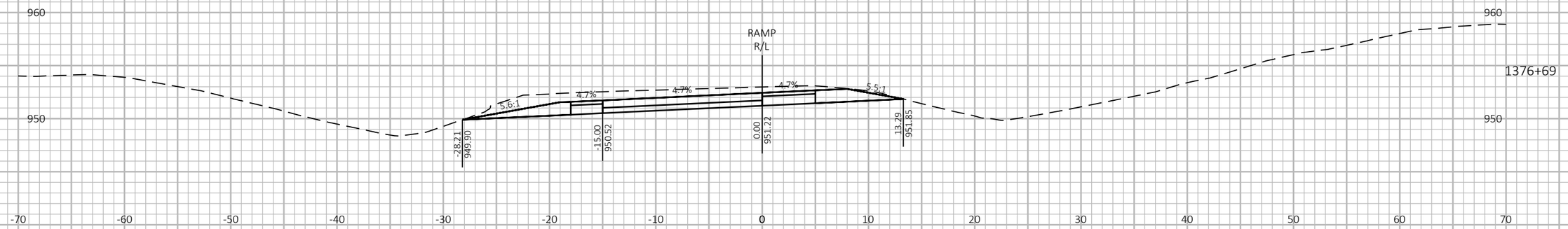
LEGEND

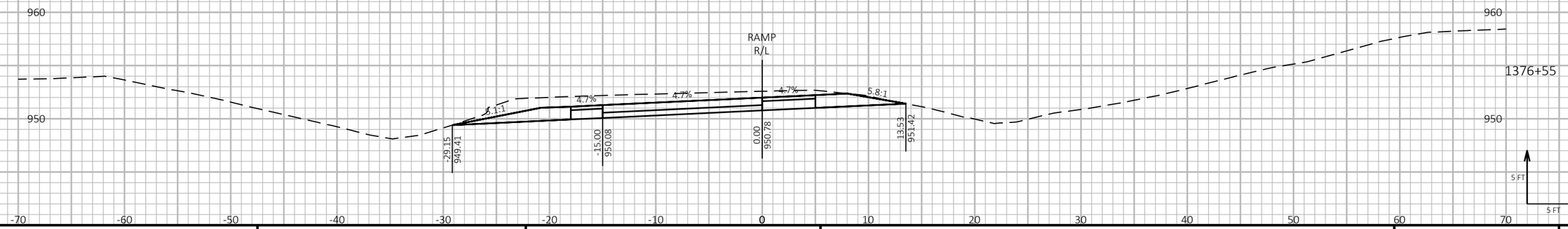
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH S ENTRANCE - 'SB' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH S ENTRANCE	SHEET 1095	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090218-XS.DWG
LAYOUT NAME - 09

PLOT DATE : 7/26/2023 2:52 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

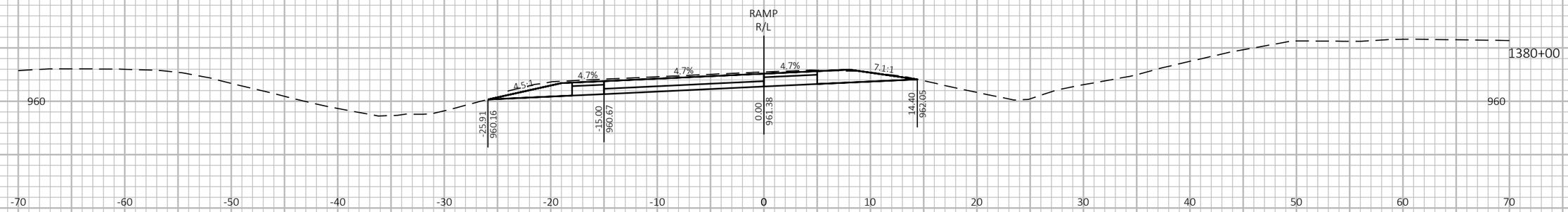
WISDOT/CADDS SHEET 49

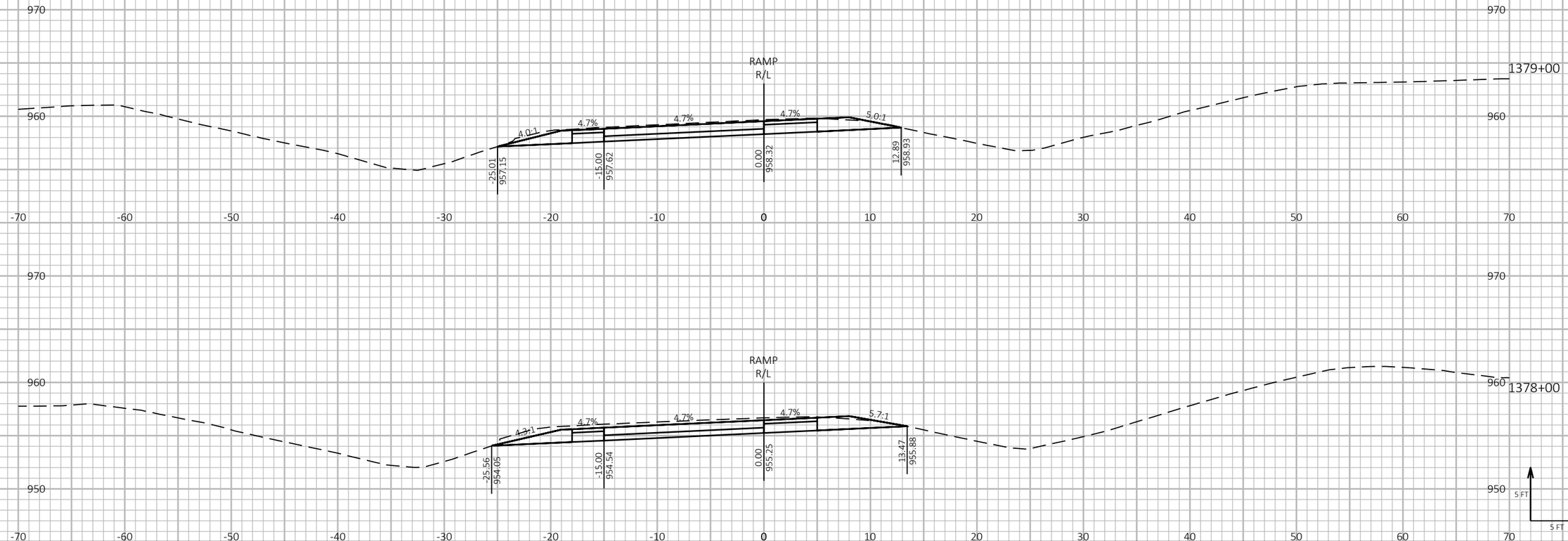
LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH S ENTRANCE - 'SB' ALIGNMENT





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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH S ENTRANCE	SHEET 1096	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090218-XS.DWG
LAYOUT NAME - 10

PLOT DATE : 7/26/2023 2:52 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

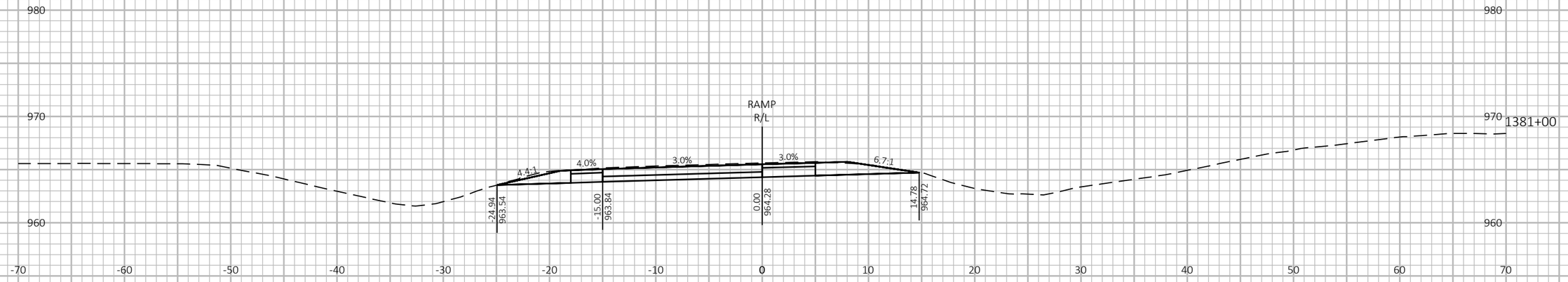
WISDOT/CADDS SHEET 49

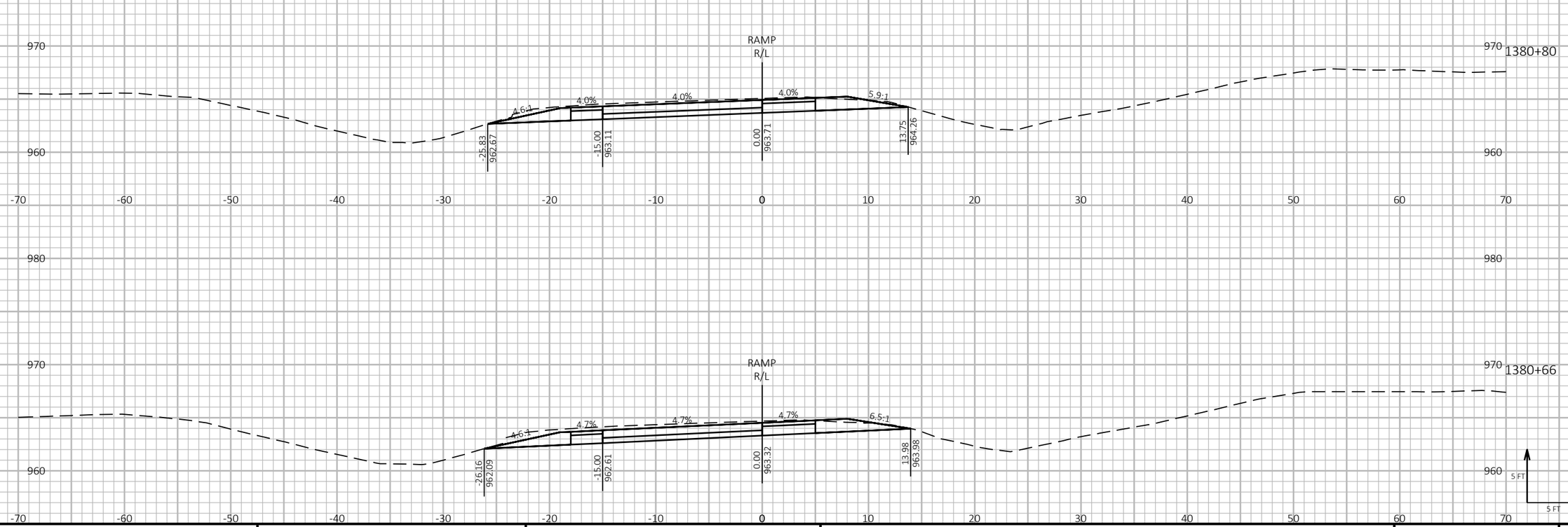
LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH S ENTRANCE - 'SB' ALIGNMENT





PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH S ENTRANCE	SHEET 1097	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090218-XS.DWG
LAYOUT NAME - 11

PLOT DATE : 7/26/2023 2:53 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

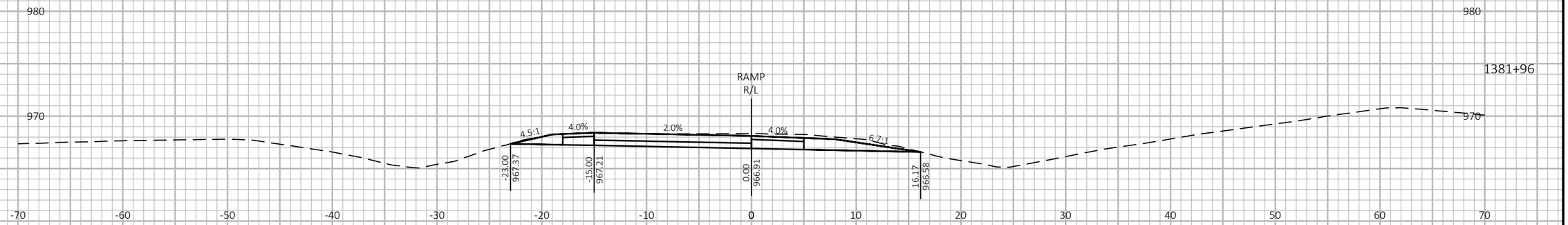
WISDOT/CADDS SHEET 49

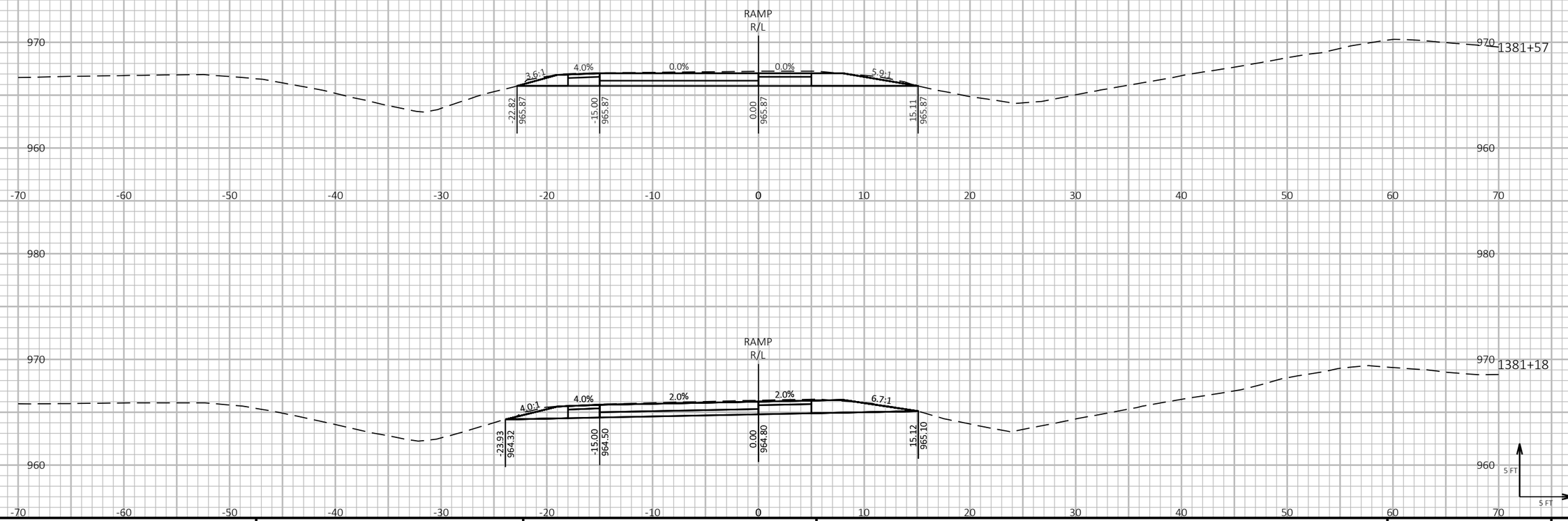
LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH S ENTRANCE - 'SB' ALIGNMENT





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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH S ENTRANCE	SHEET 1098	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090218-XS.DWG
LAYOUT NAME - 12

PLOT DATE : 7/26/2023 2:53 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

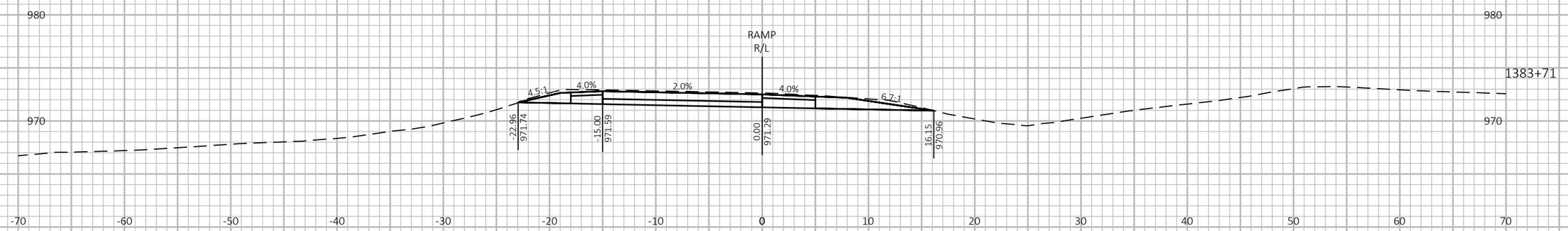
WISDOT/CADDS SHEET 49

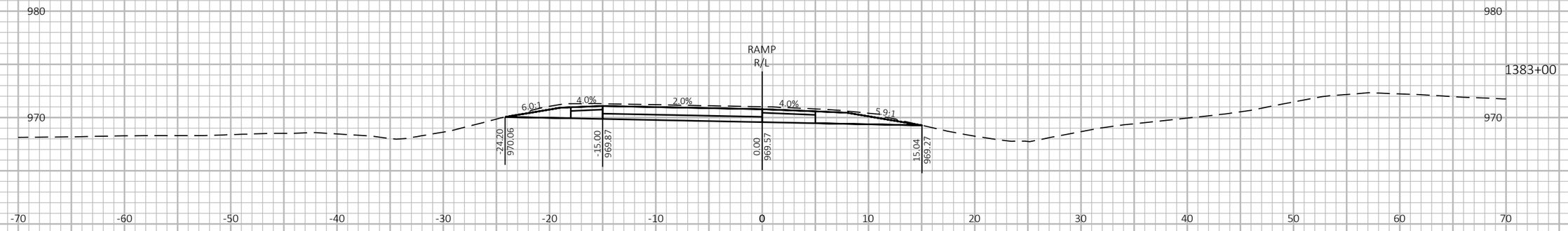
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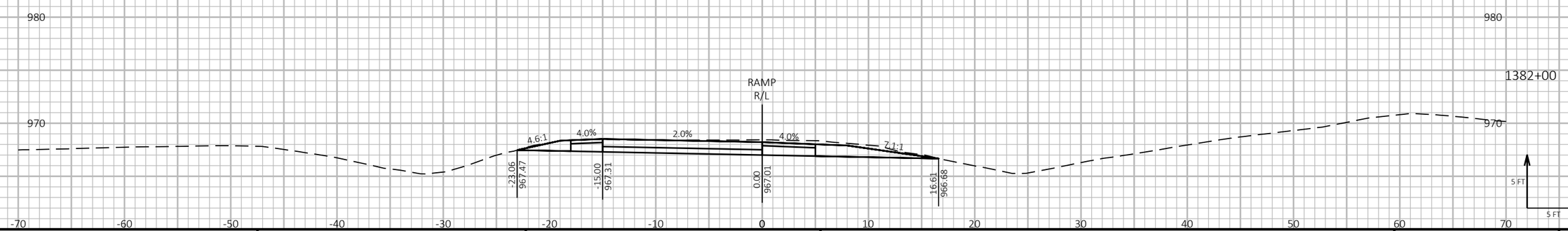
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH S ENTRANCE - 'SB' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH S ENTRANCE	SHEET 1099	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090218-XS.DWG
LAYOUT NAME - 13

PLOT DATE : 7/26/2023 2:53 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

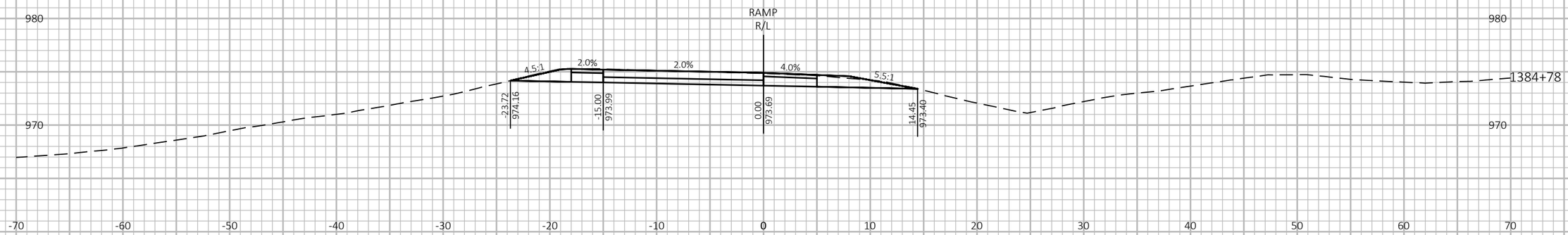
WISDOT/CADDS SHEET 49

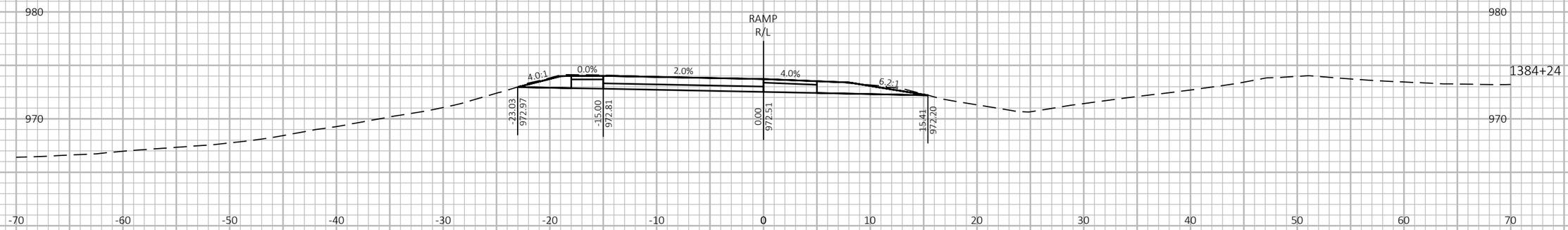
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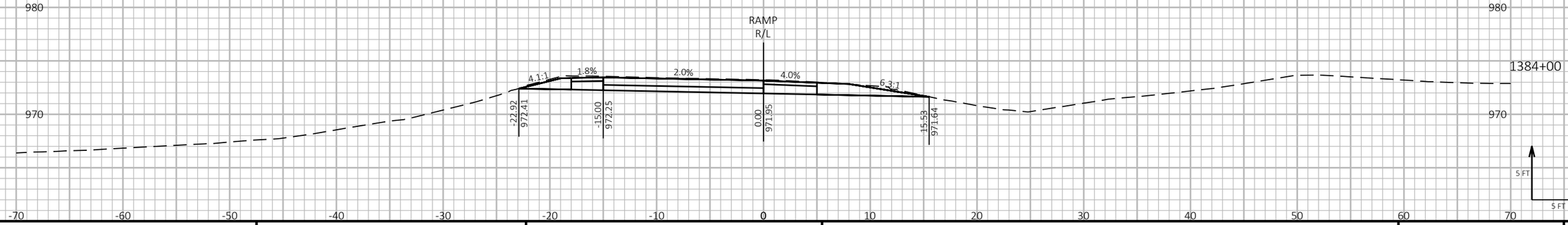
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH S ENTRANCE - 'SB' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH S ENTRANCE	SHEET 1100	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090218-XS.DWG
LAYOUT NAME - 14

PLOT DATE : 7/26/2023 2:54 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

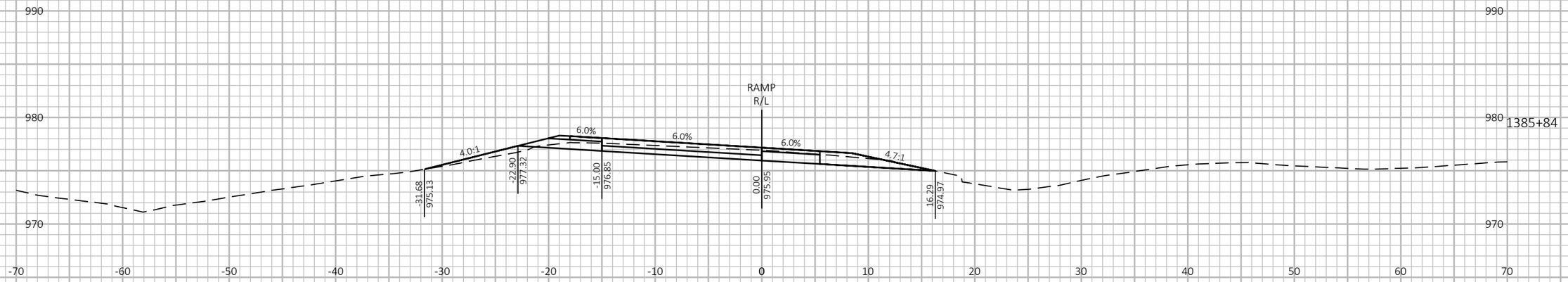
WISDOT/CADDS SHEET 49

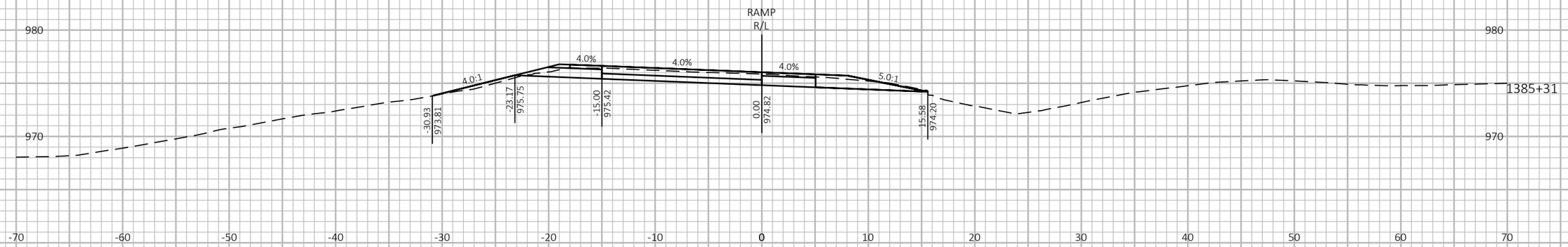
LEGEND

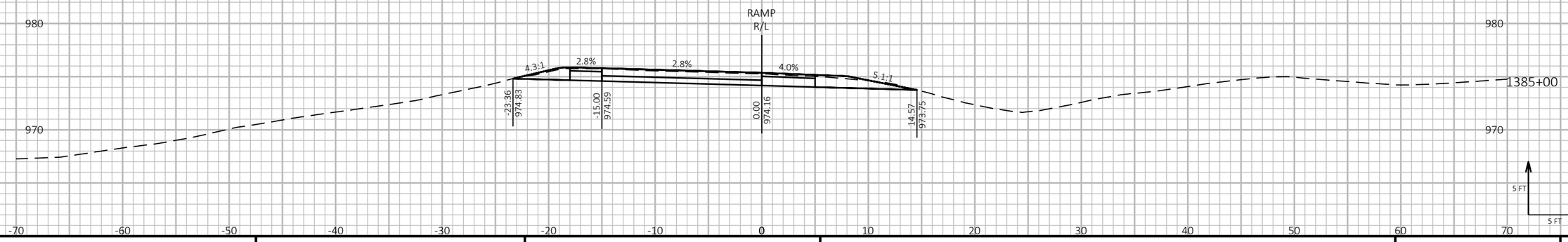
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH S ENTRANCE - 'SB' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH S ENTRANCE	SHEET 1101 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090218-XS.DWG
LAYOUT NAME - 15

PLOT DATE : 7/26/2023 2:54 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

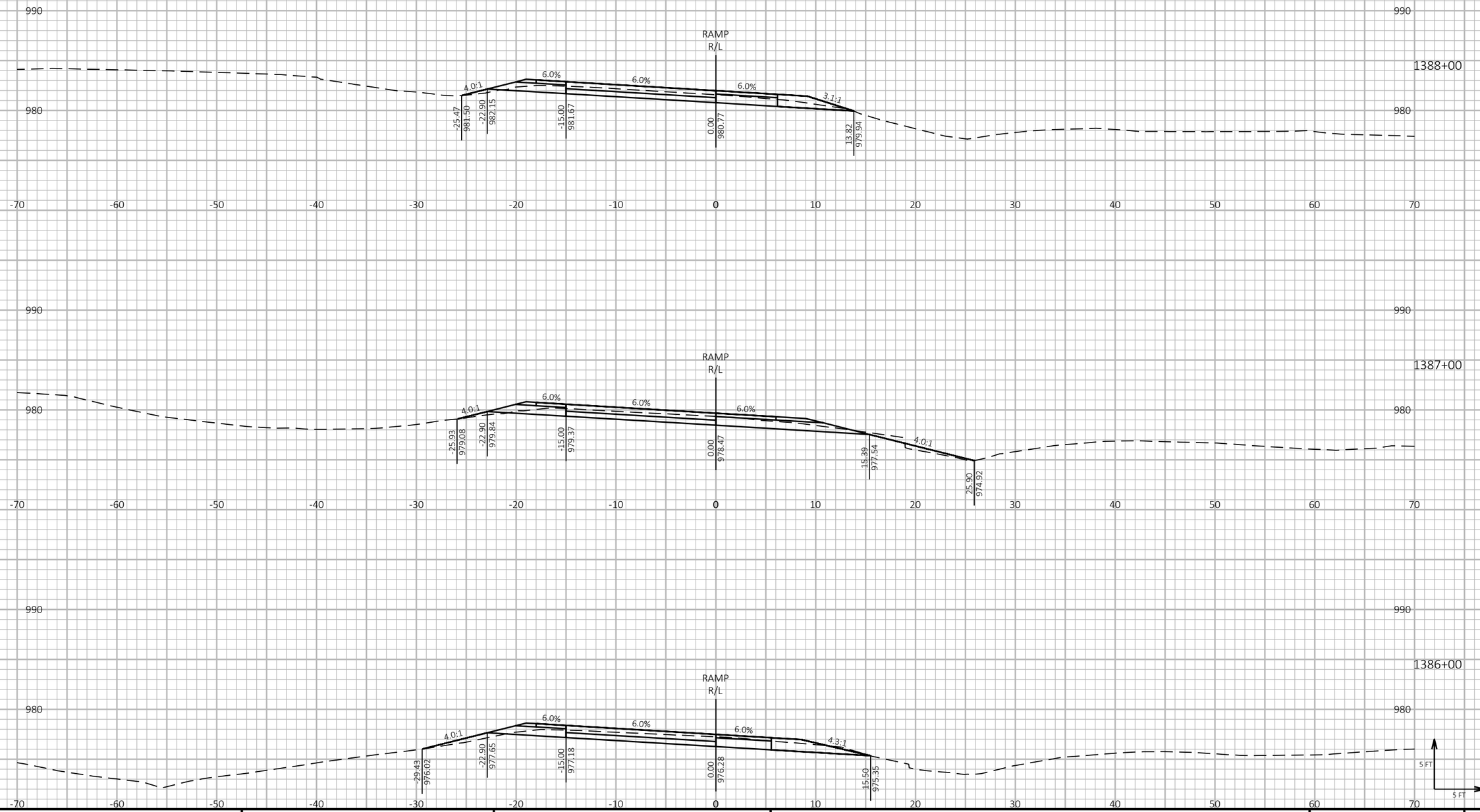
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH S ENTRANCE - 'SB' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH S ENTRANCE	SHEET 1102 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090218-XS.DWG
LAYOUT NAME - 16

PLOT DATE : 7/26/2023 2:54 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

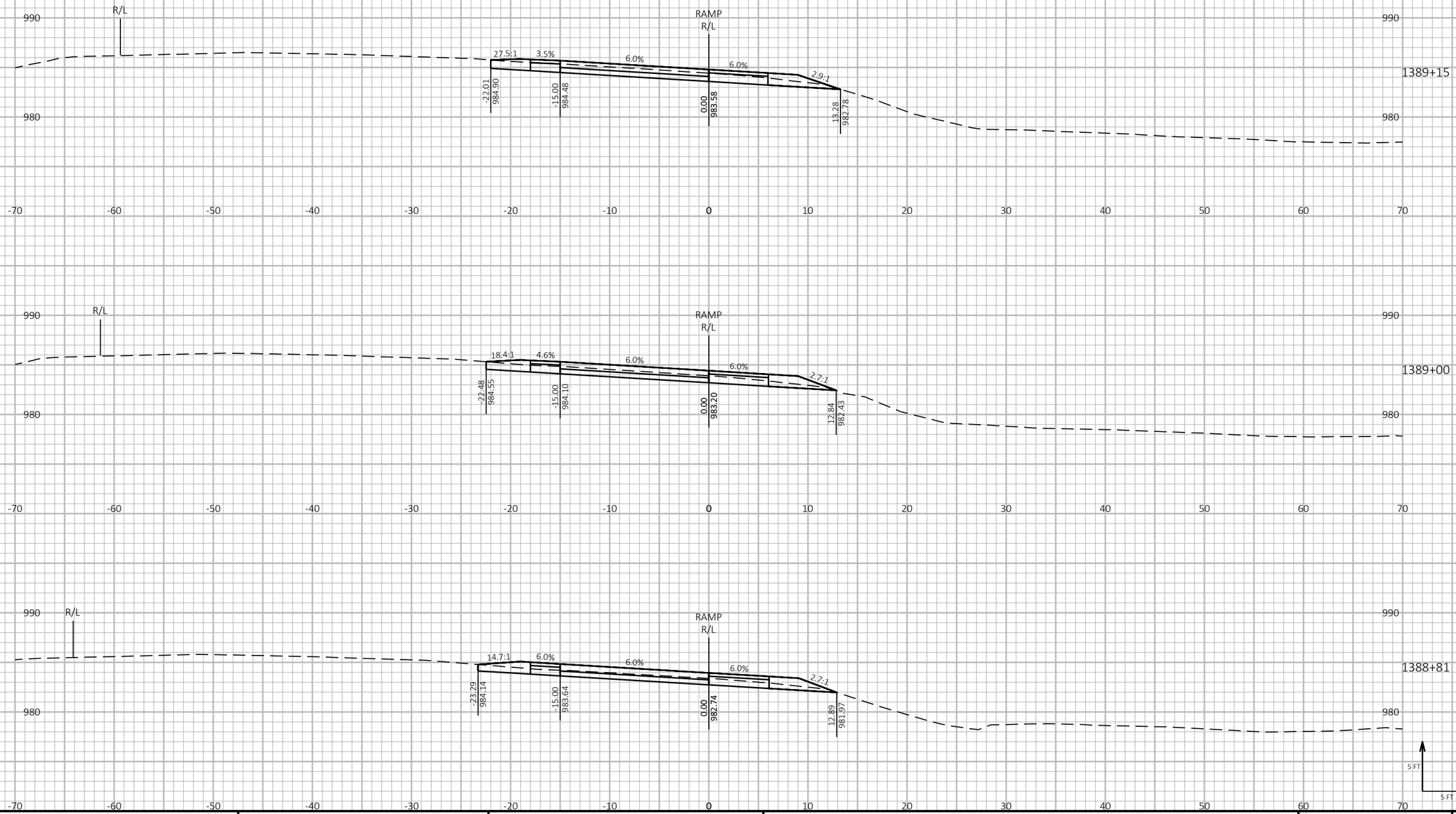
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH S ENTRANCE - 'SB' ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH S ENTRANCE	SHEET 1103	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090218-XS.DWG
LAYOUT NAME - 17

PLOT DATE : 7/26/2023 2:55 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

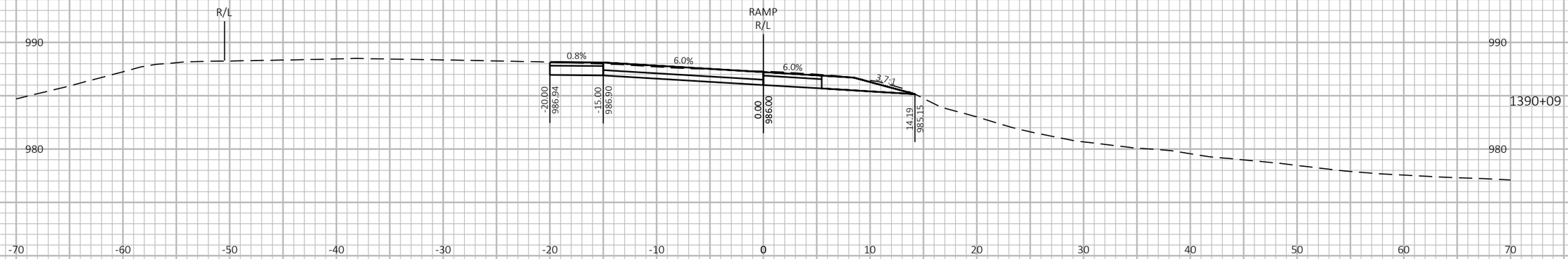
WISDOT/CADDS SHEET 49

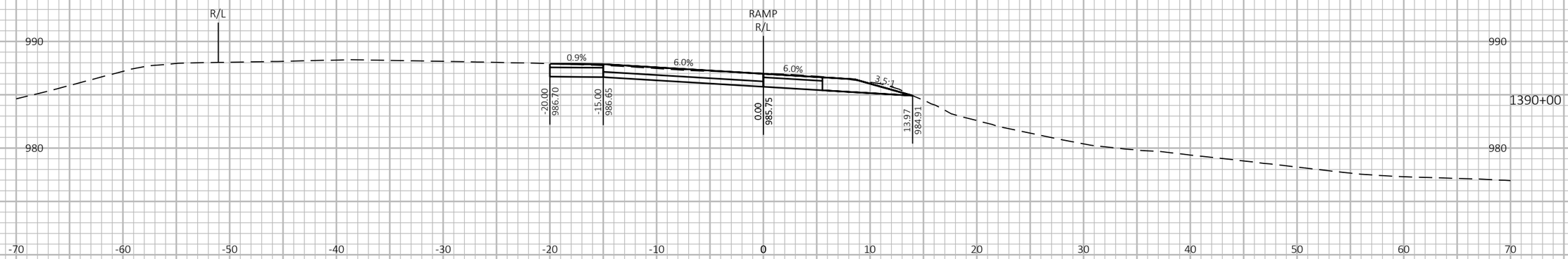
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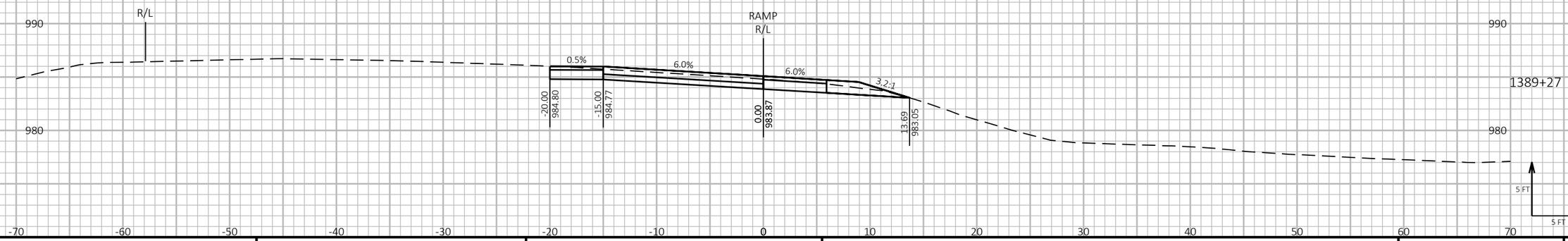
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH S ENTRANCE - 'SB' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH S ENTRANCE	SHEET 1104 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090218-XS.DWG
LAYOUT NAME - 18

PLOT DATE : 7/26/2023 2:55 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

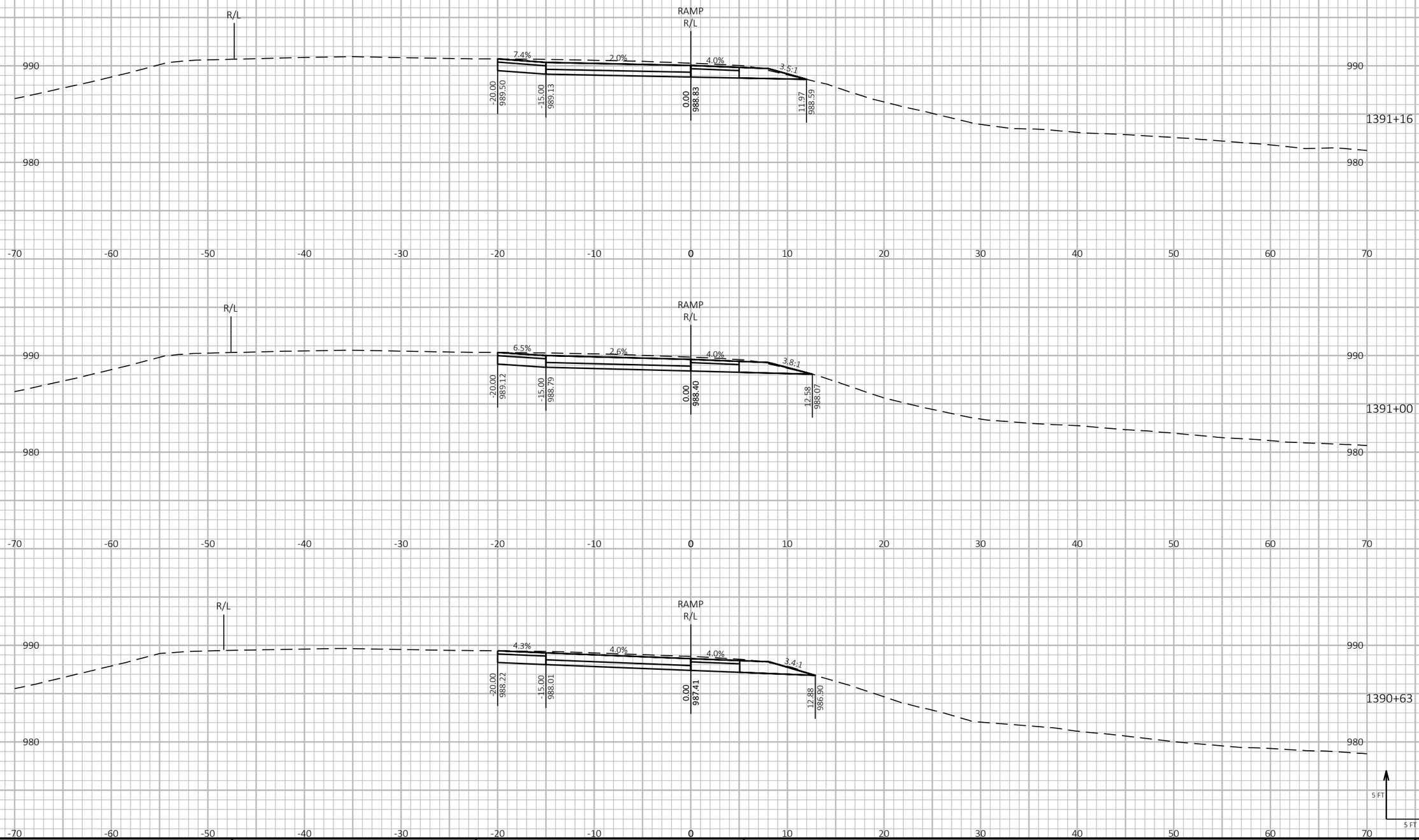
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH S ENTRANCE - 'SB' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH S ENTRANCE	SHEET 1105	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090218-XS.DWG
LAYOUT NAME - 19

PLOT DATE : 7/26/2023 2:55 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

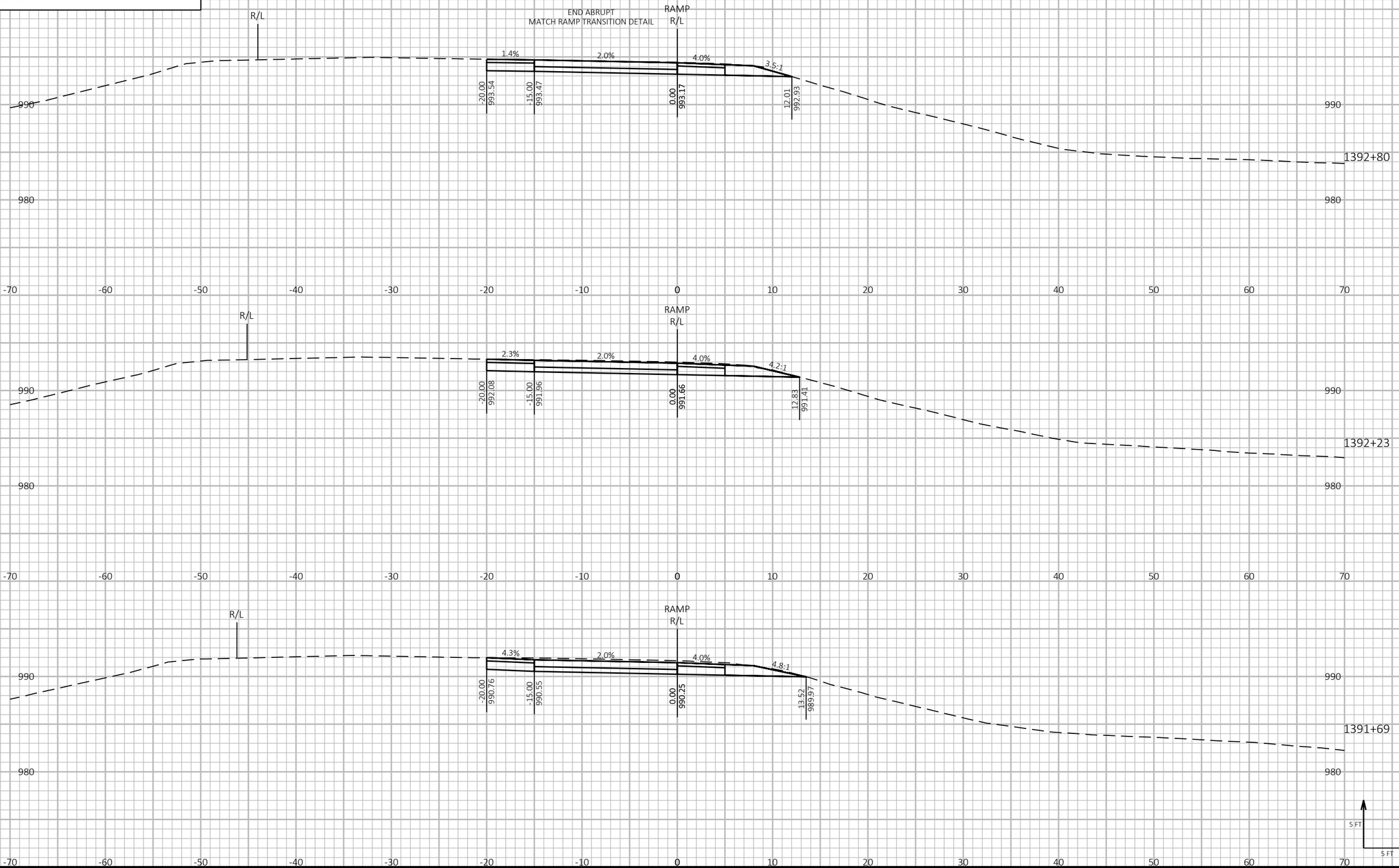
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH S ENTRANCE - 'SB' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH S ENTRANCE	SHEET 1106	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090218-XS.DWG
LAYOUT NAME - 20

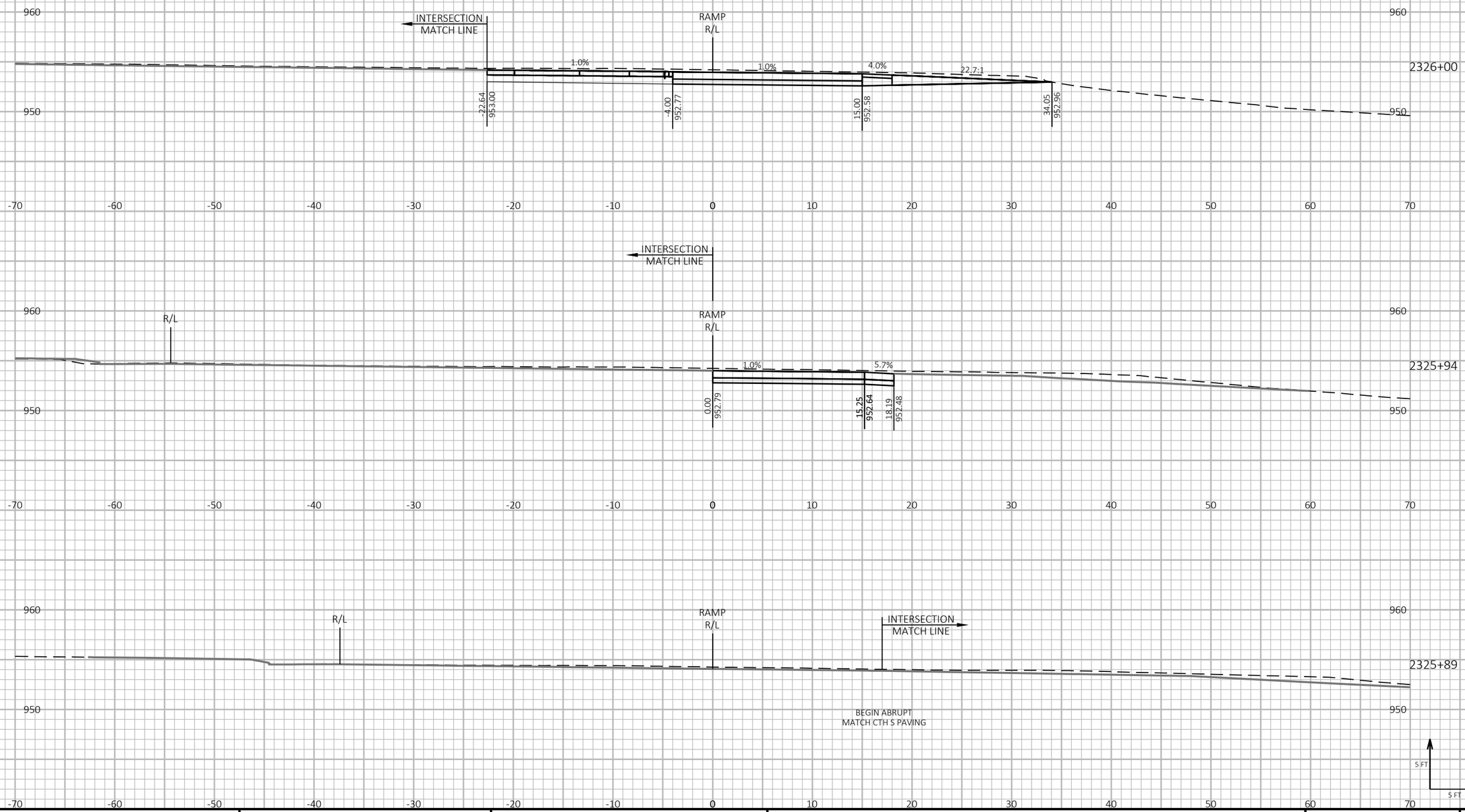
PLOT DATE : 7/26/2023 2:56 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH S EXIT - 'SC' ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH S EXIT	SHEET 1107 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090219-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 2:59 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

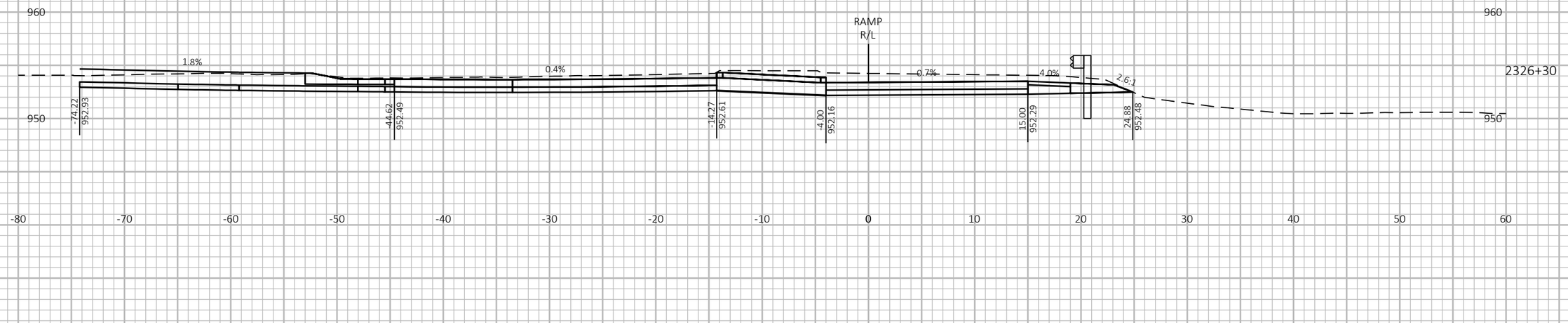
WISDOT/CADDS SHEET 49

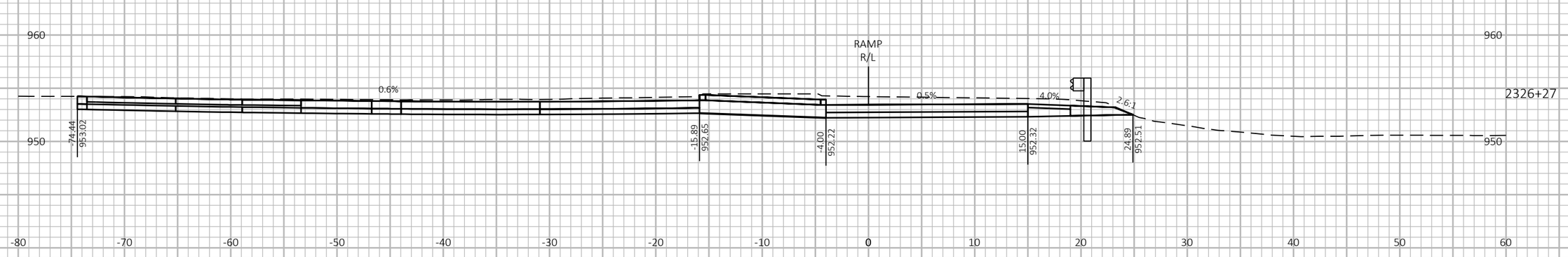
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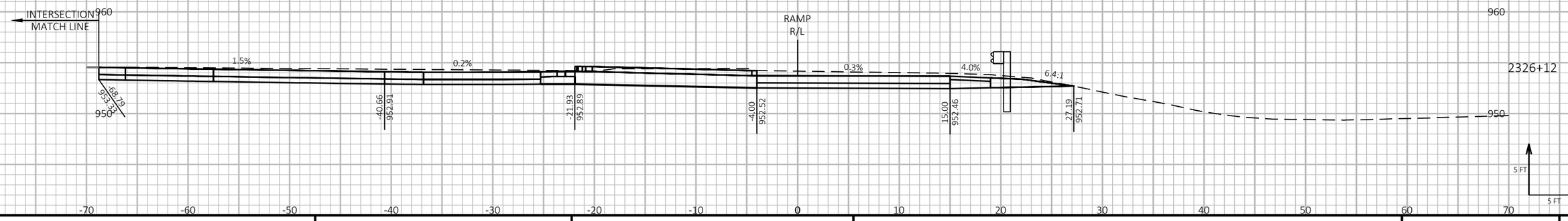
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH S EXIT - 'SC' ALIGNMENT







9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH S EXIT	SHEET 1108	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090219-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/26/2023 2:59 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

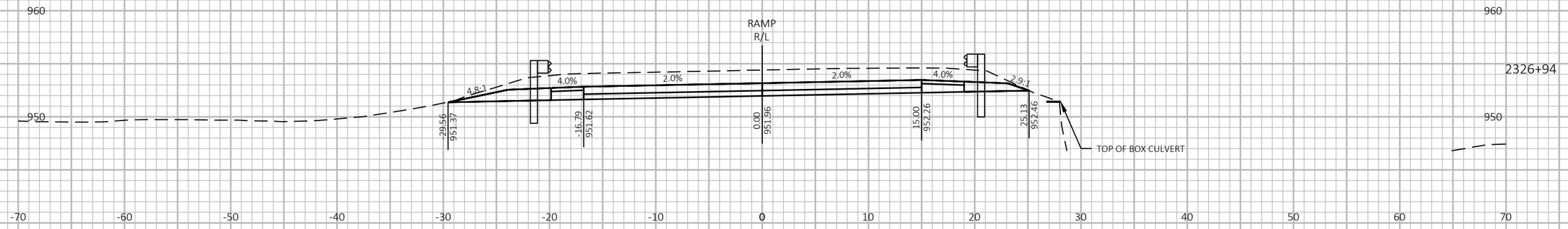
WISDOT/CADDS SHEET 49

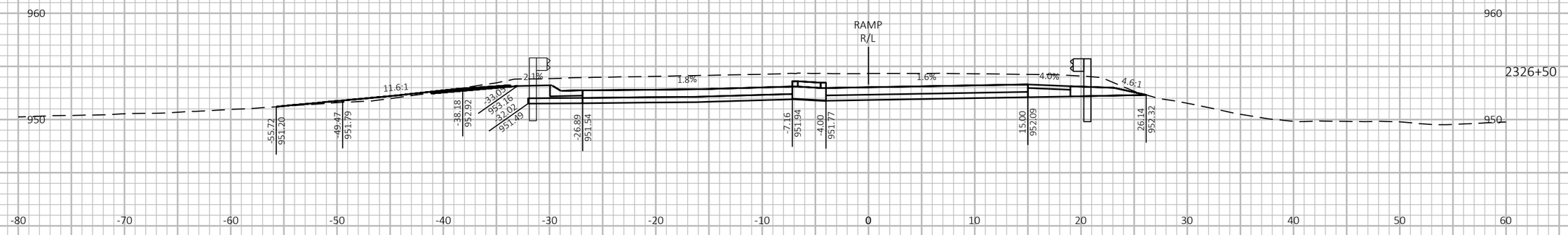
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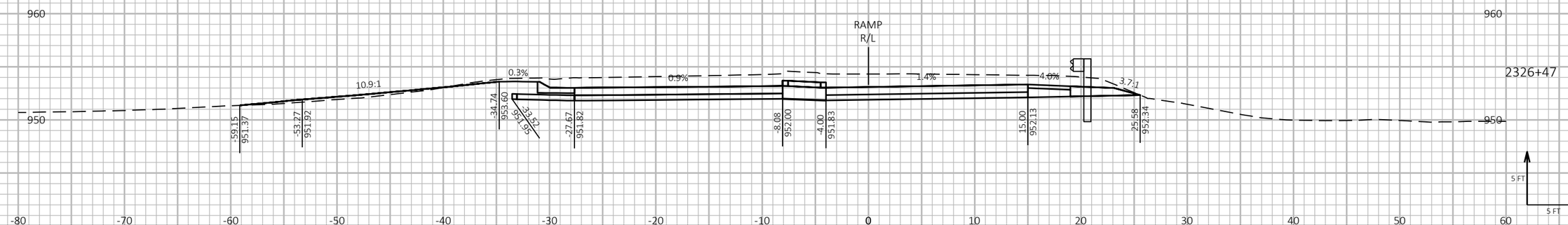
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH S EXIT - 'SC' ALIGNMENT







9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH S EXIT	SHEET 1109 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090219-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/26/2023 2:59 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

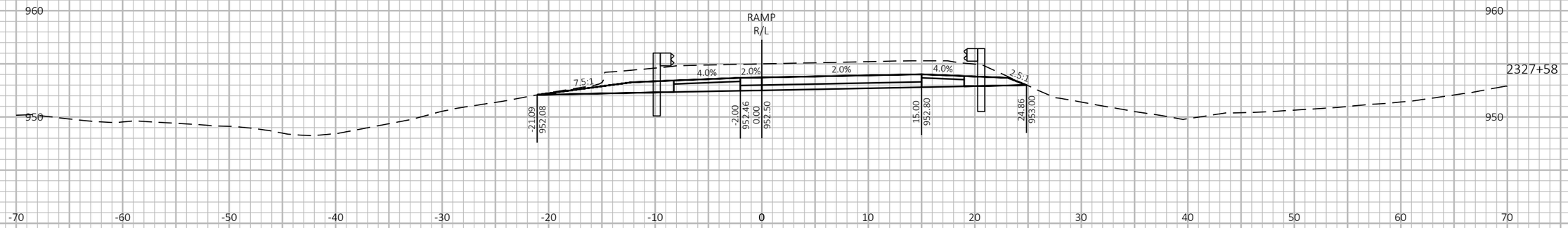
WISDOT/CADDS SHEET 49

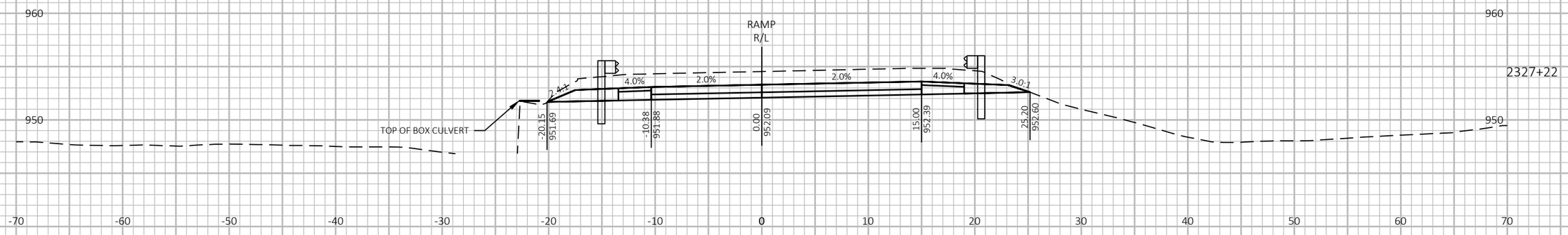
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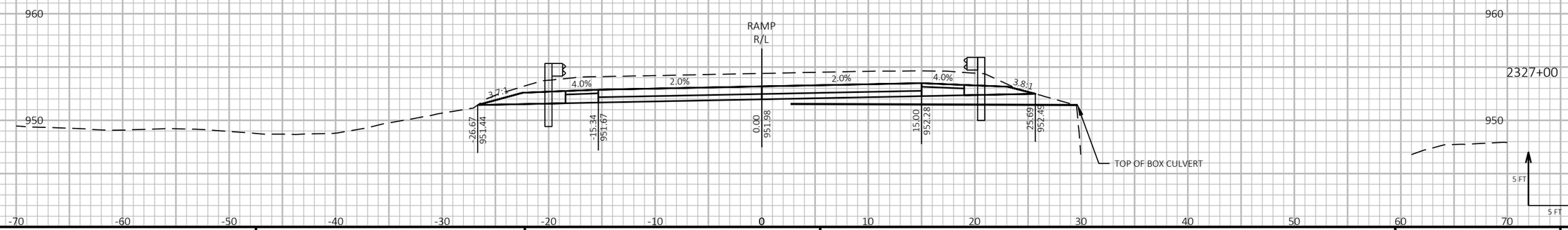
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH S EXIT - 'SC' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH S EXIT	SHEET 1110	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090219-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 7/26/2023 2:59 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

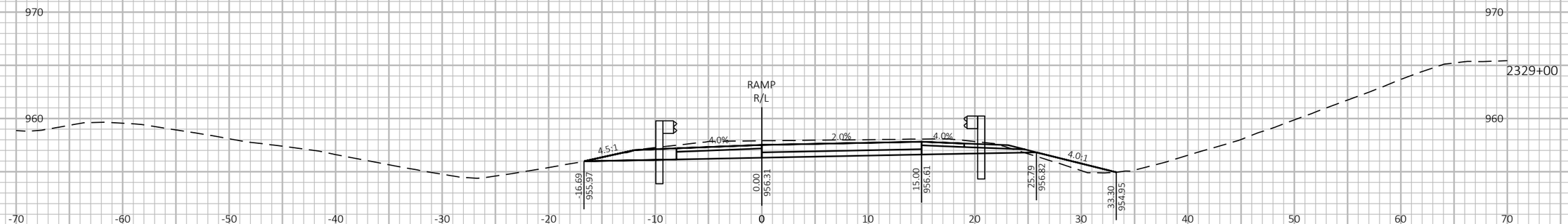
WISDOT/CADDS SHEET 49

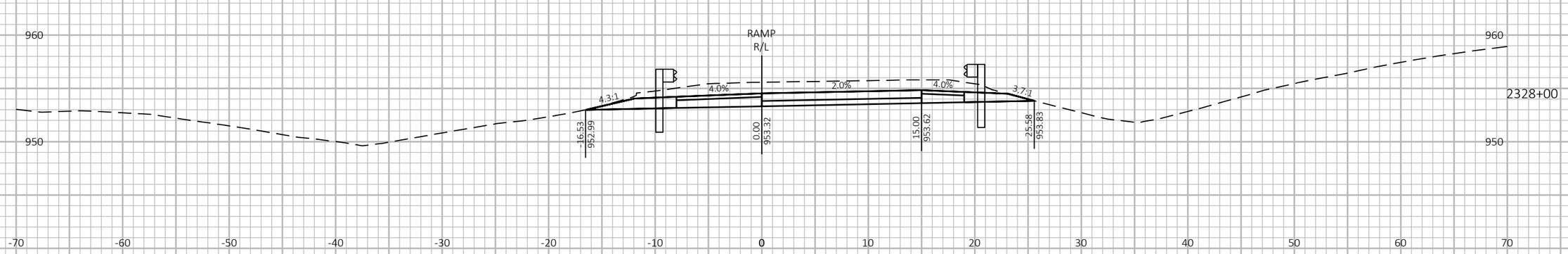
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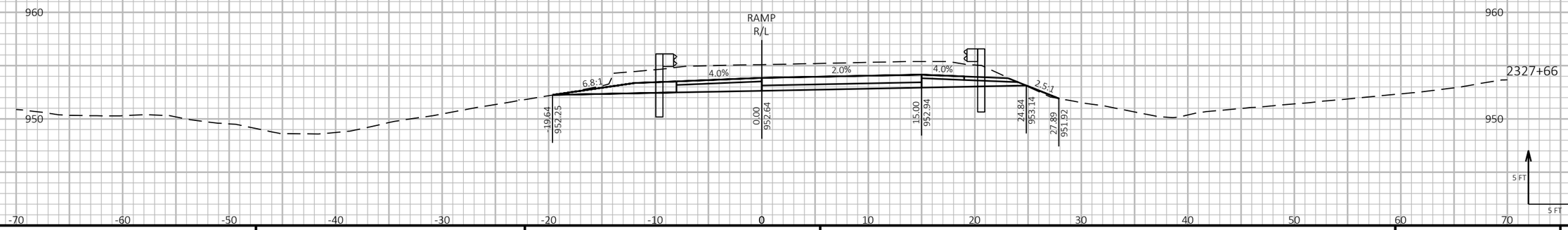
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH S EXIT - 'SC' ALIGNMENT







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9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH S EXIT	SHEET 1111	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090219-XS.DWG
LAYOUT NAME - 05

PLOT DATE : 7/26/2023 3:00 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

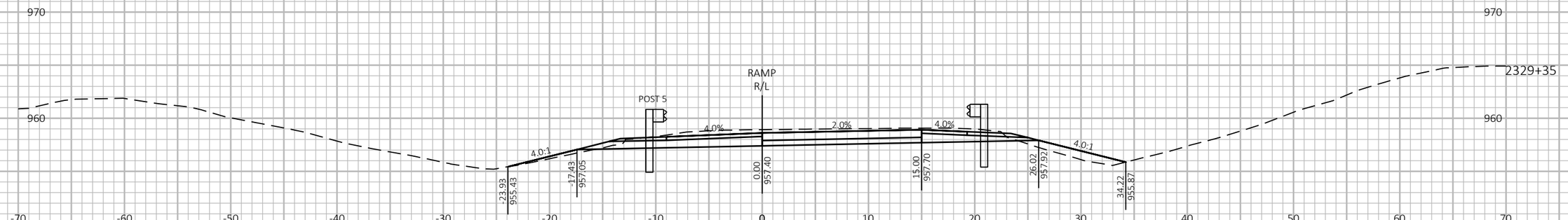
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

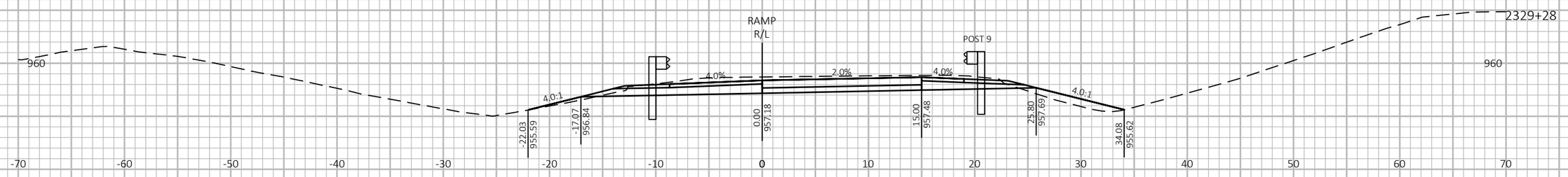
LEGEND

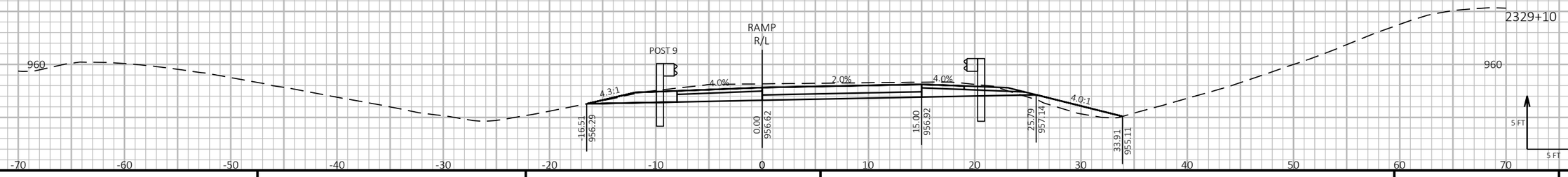
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH S EXIT - 'SC' ALIGNMENT







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9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH S EXIT	SHEET 1112	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090219-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/26/2023 3:00 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

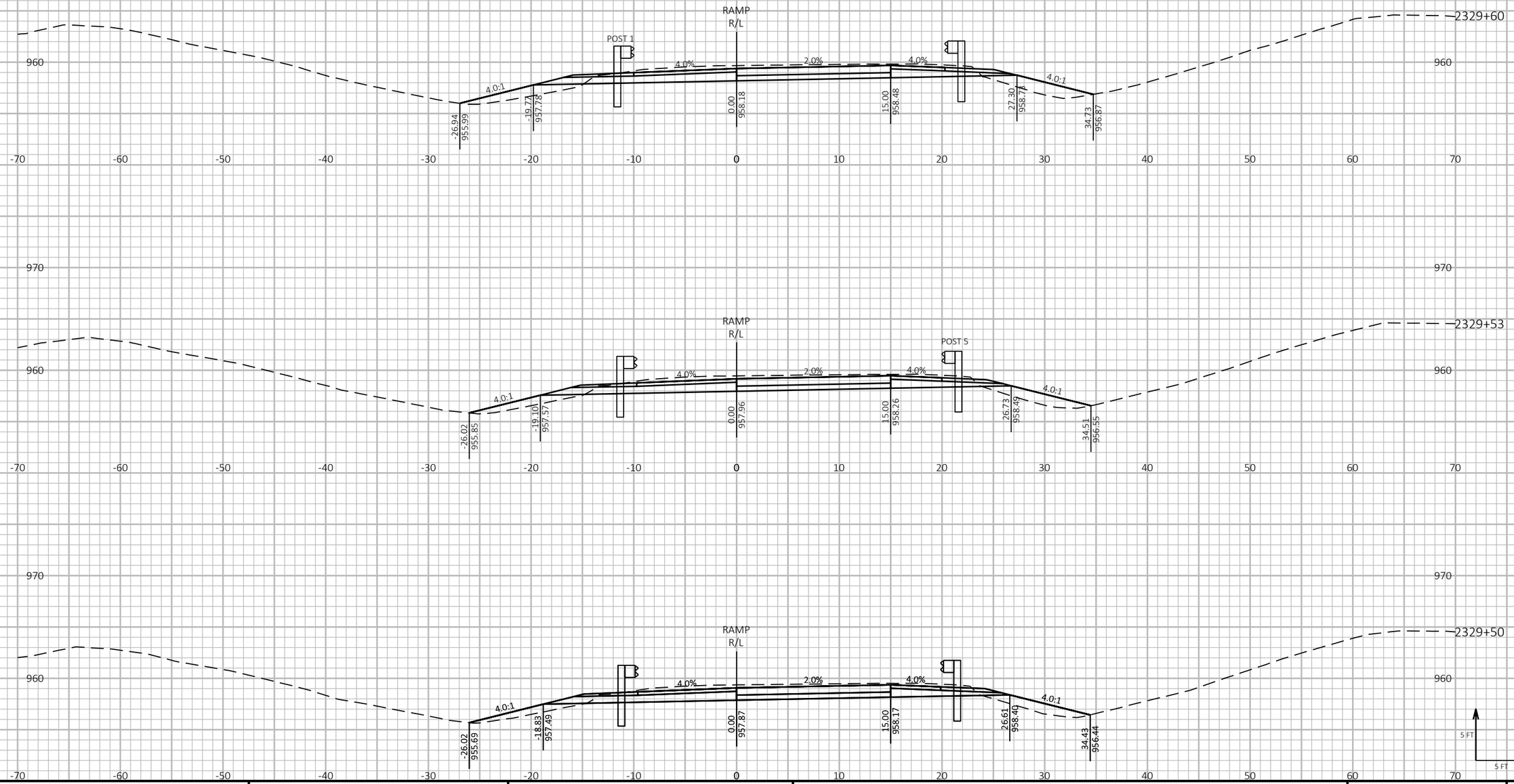
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH S EXIT - 'SC' ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH S EXIT	SHEET 1113 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090219-XS.DWG
LAYOUT NAME - 07

PLOT DATE : 7/26/2023 3:00 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

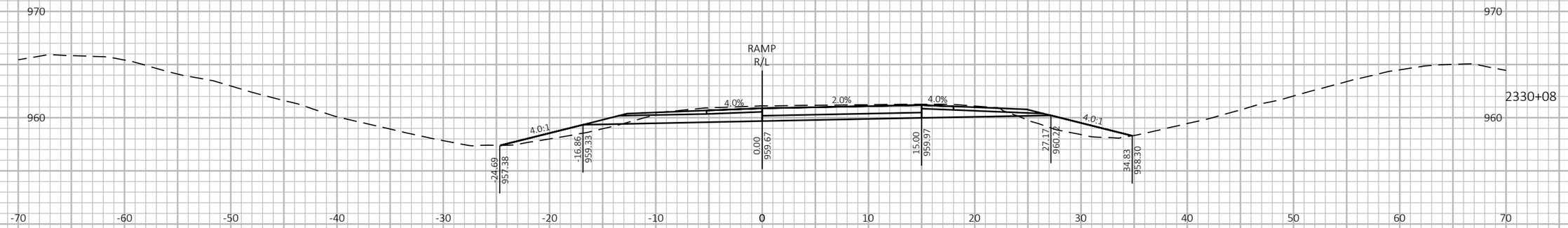
WISDOT/CADDS SHEET 49

LEGEND

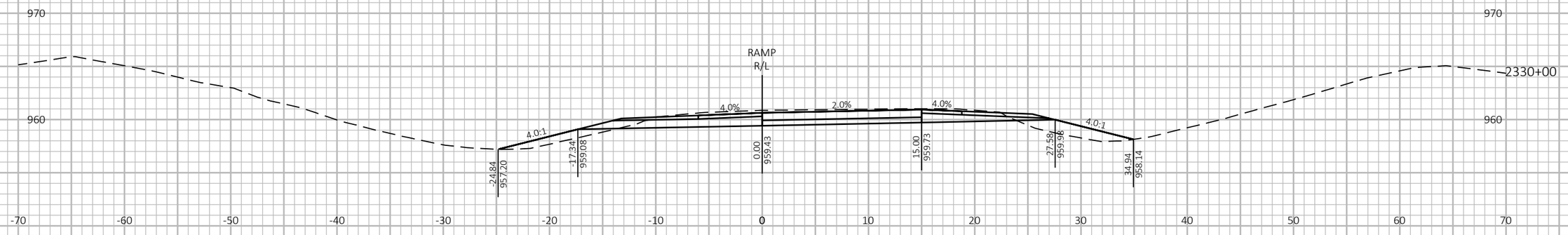
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

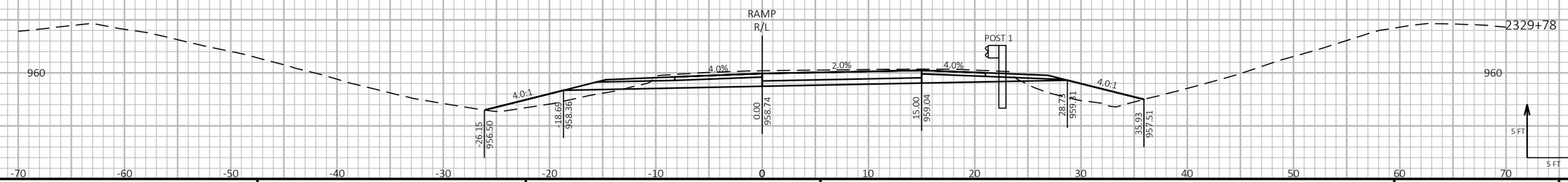
CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH S EXIT - 'SC' ALIGNMENT



2330+08



2330+00



2329+78

9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH S EXIT	SHEET 1114	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090219-XS.DWG
LAYOUT NAME - 08

PLOT DATE : 7/26/2023 3:01 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

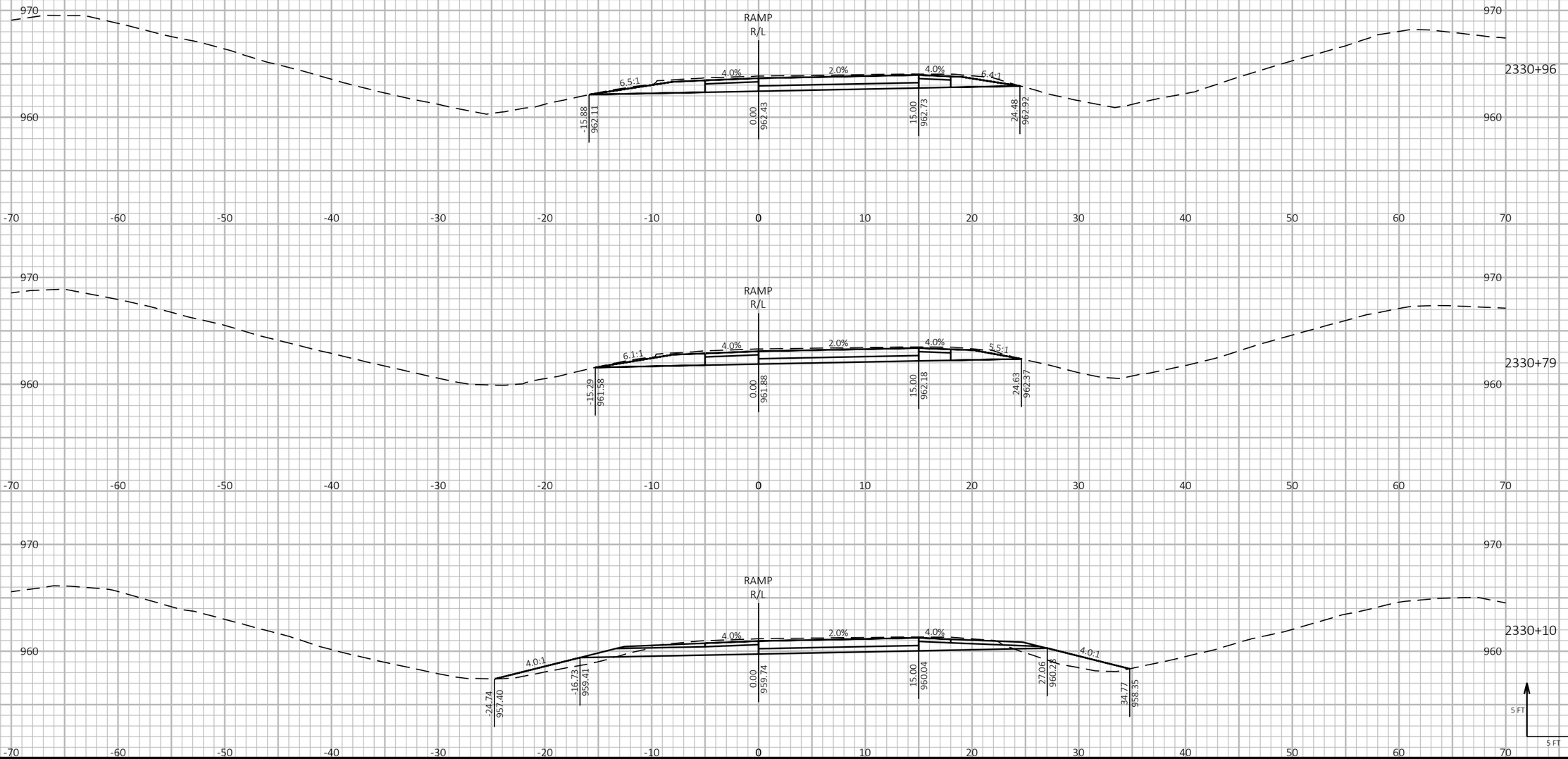
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH S EXIT - 'SC' ALIGNMENT



9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH S EXIT	SHEET 1115	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090219-XS.DWG
LAYOUT NAME - 09

PLOT DATE : 7/26/2023 3:01 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

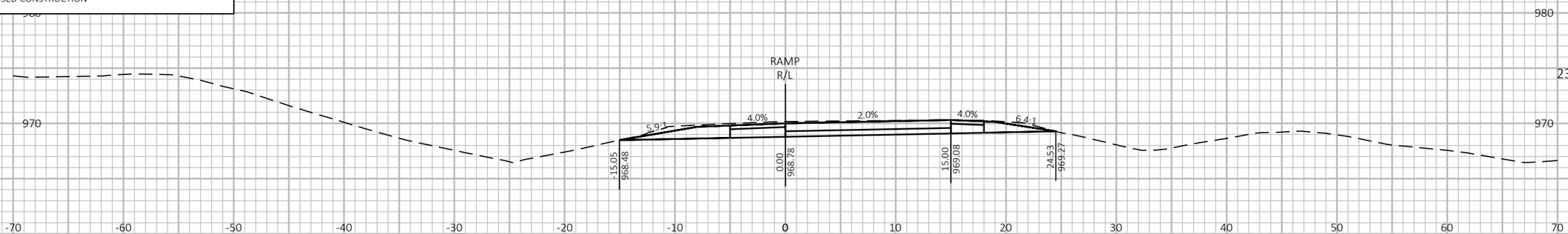
WISDOT/CADDS SHEET 49

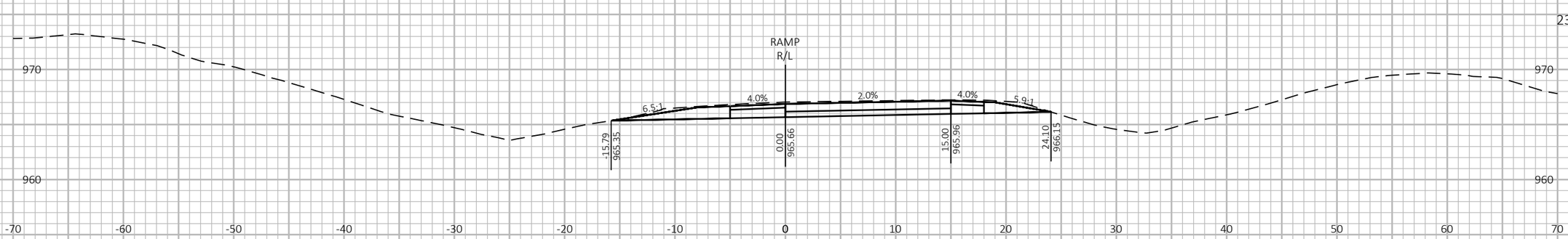
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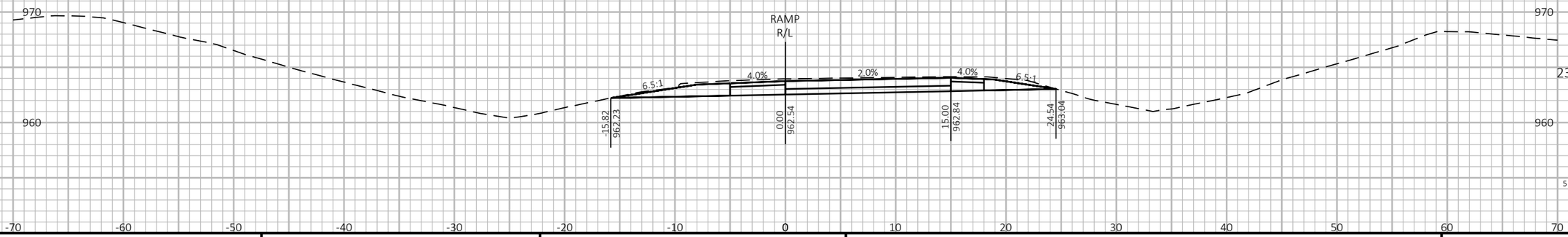
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH S EXIT - 'SC' ALIGNMENT







9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH S EXIT	SHEET 1116	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090219-XS.DWG
LAYOUT NAME - 10

PLOT DATE : 7/26/2023 3:01 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

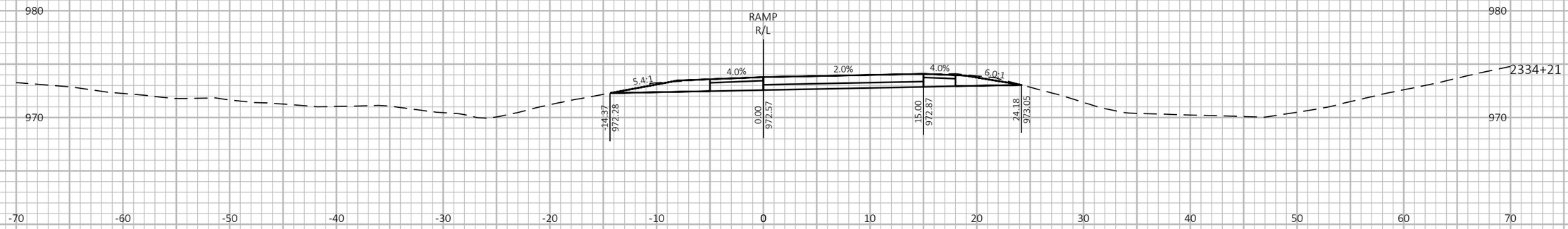
WISDOT/CADDS SHEET 49

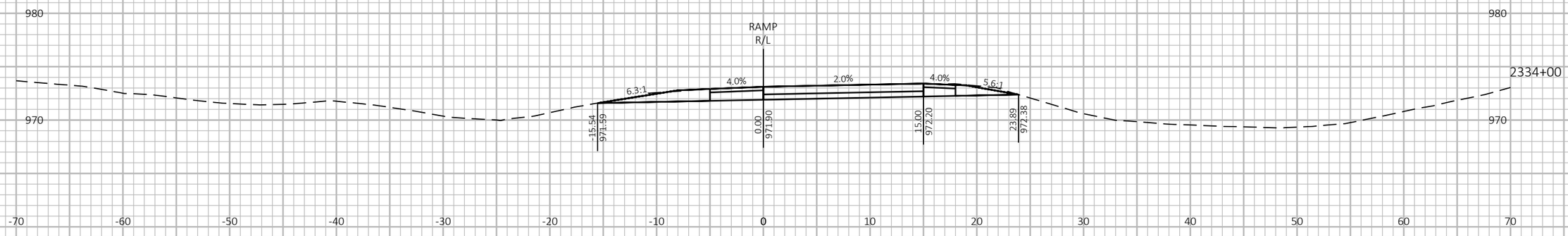
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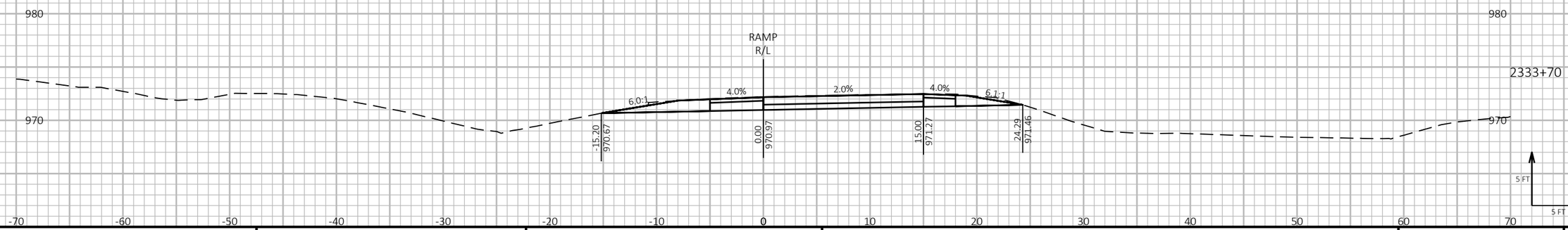
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH S EXIT - 'SC' ALIGNMENT







9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH S EXIT	SHEET 1117	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090219-XS.DWG
LAYOUT NAME - 11

PLOT DATE : 7/26/2023 3:01 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

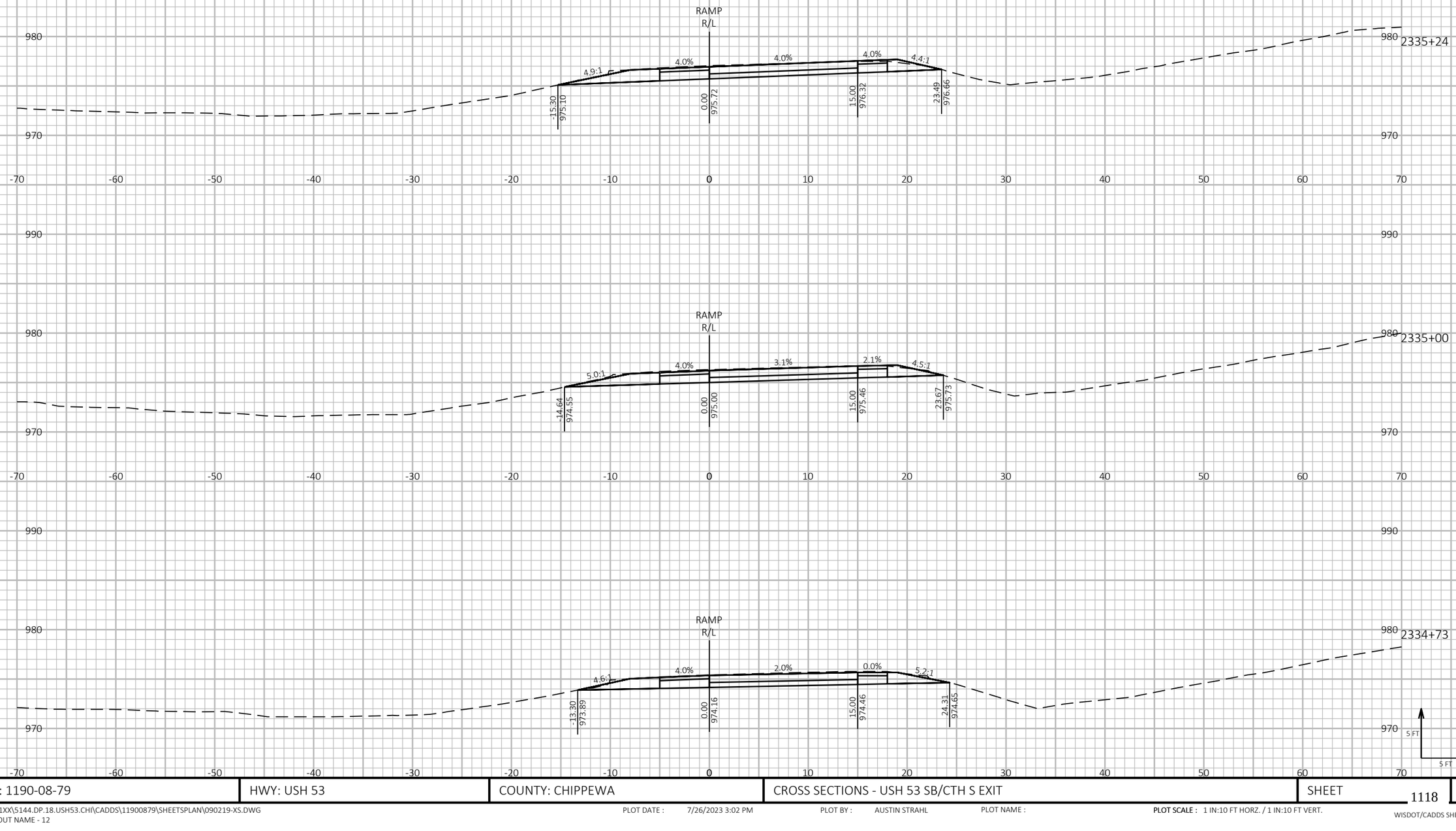
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH S EXIT - 'SC' ALIGNMENT



9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH S EXIT	SHEET 1118	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090219-XS.DWG
LAYOUT NAME - 12

PLOT DATE : 7/26/2023 3:02 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

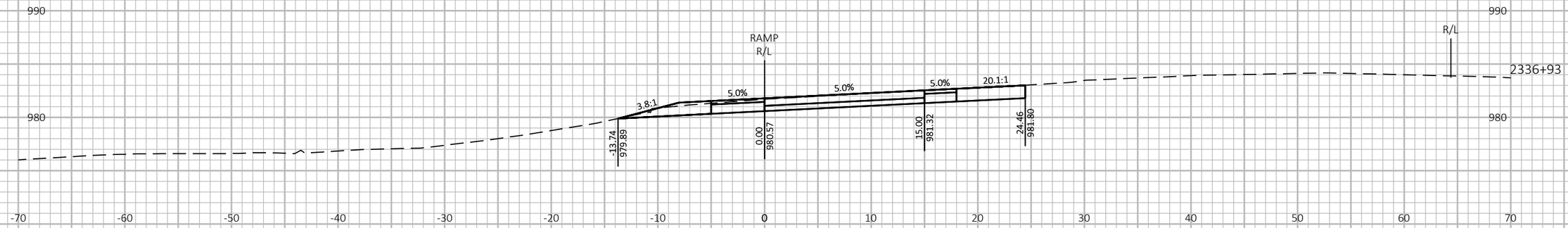
WISDOT/CADDS SHEET 49

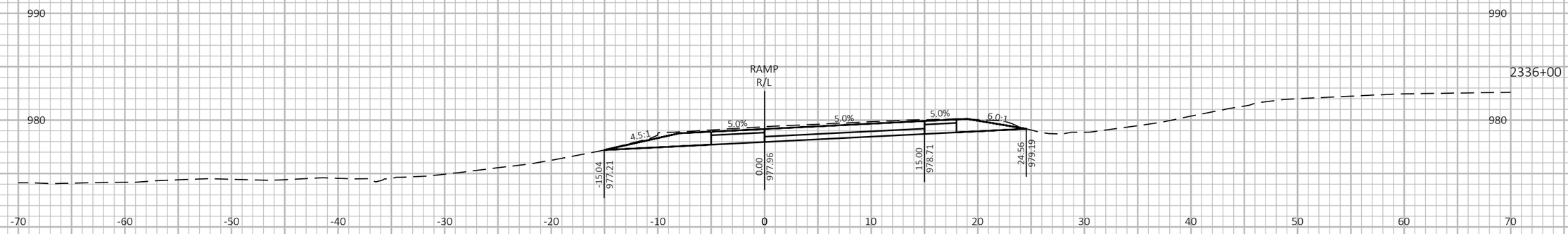
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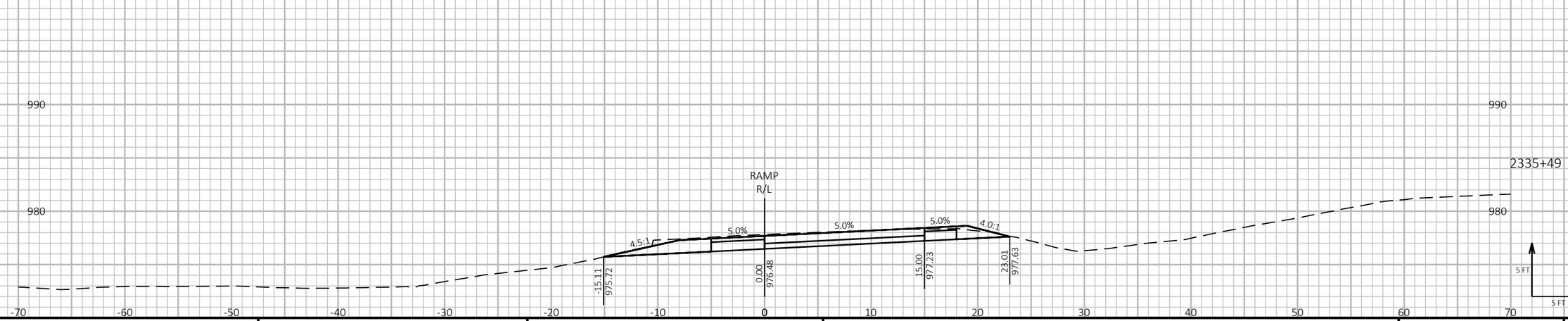
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH S EXIT - 'SC' ALIGNMENT







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9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH S EXIT	SHEET 1119	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090219-XS.DWG
LAYOUT NAME - 13

PLOT DATE : 7/26/2023 3:02 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

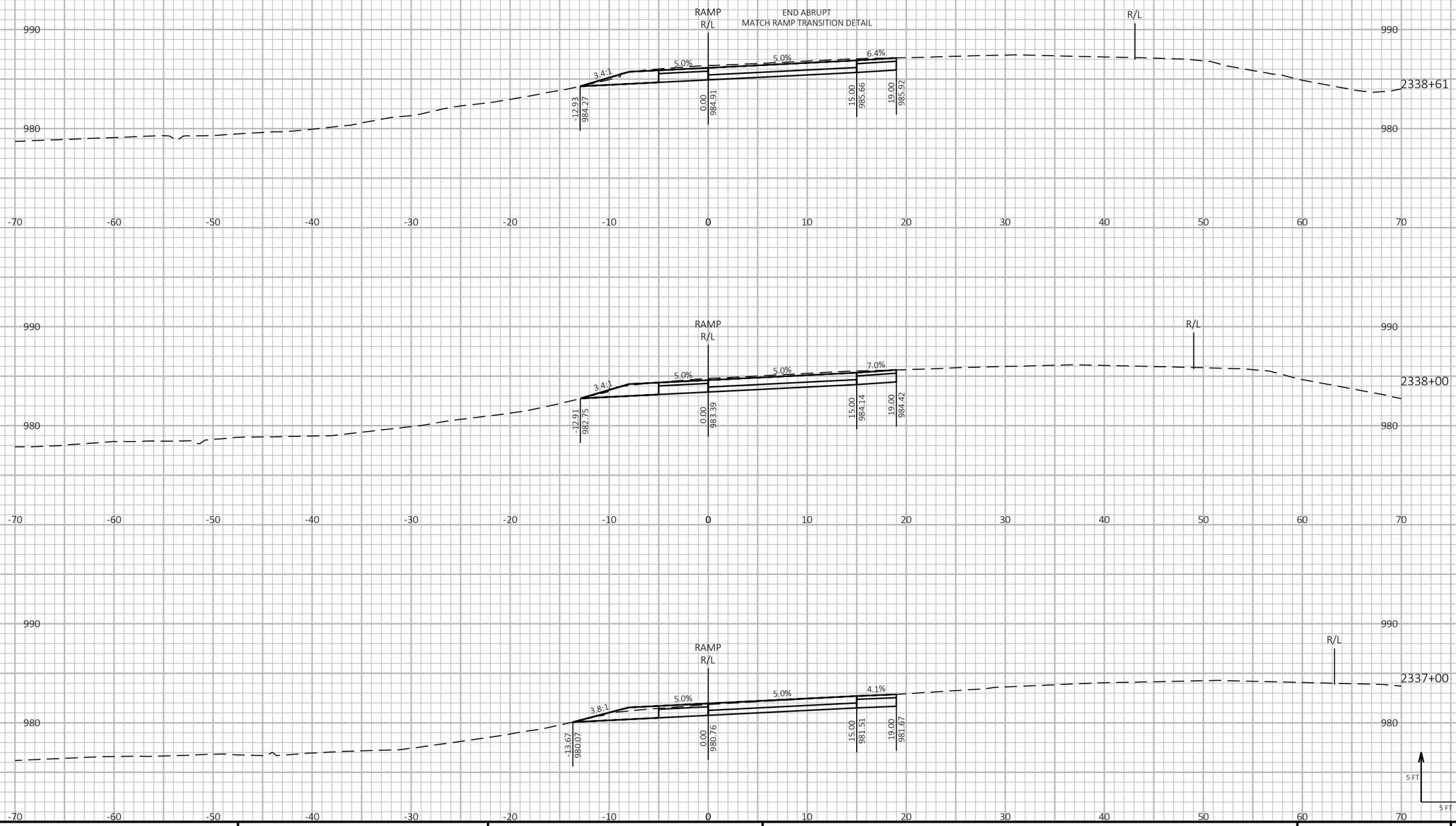
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH S EXIT - 'SC' ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH S EXIT	SHEET 1120	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090219-XS.DWG
LAYOUT NAME - 14

PLOT DATE : 7/26/2023 3:02 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

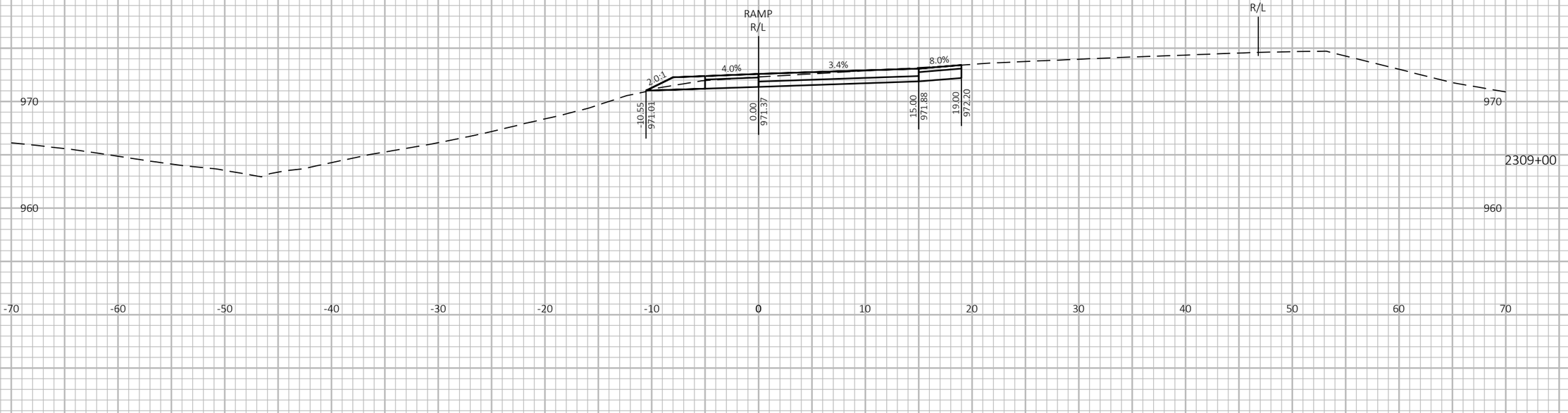
WISDOT/CADDS SHEET 49

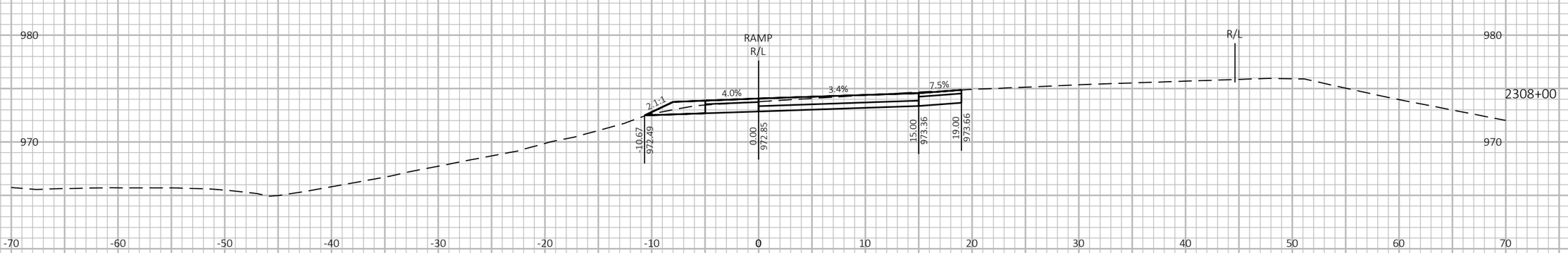
LEGEND

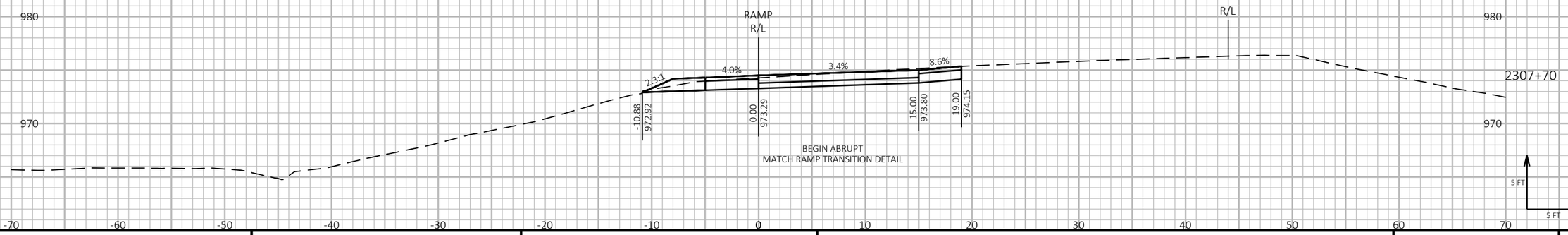
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH S ENTRANCE - 'SD' ALIGNMENT







9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH S ENTRANCE	SHEET 1121	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090220-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 3:04 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

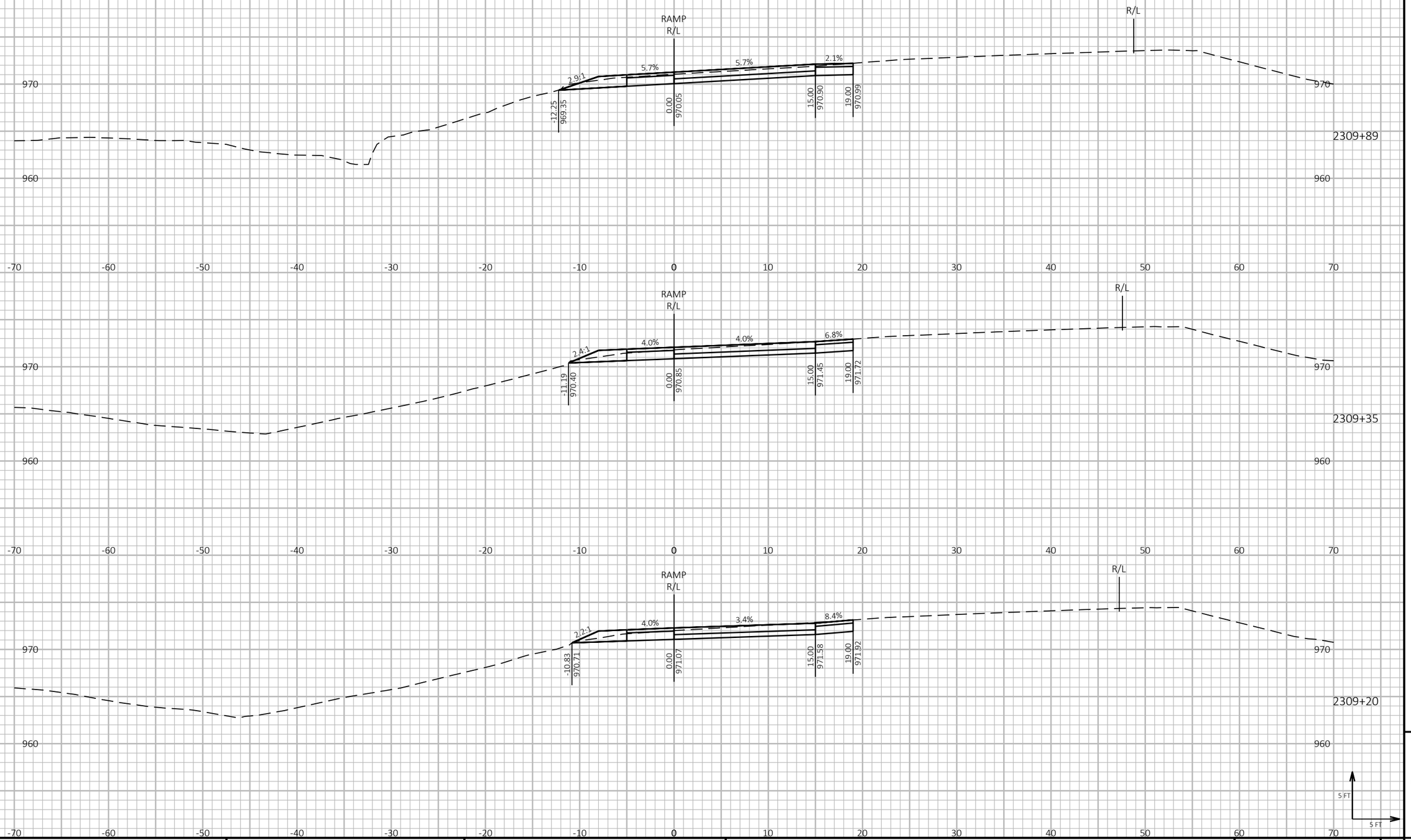
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH S ENTRANCE - 'SD' ALIGNMENT



9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH S ENTRANCE	SHEET 1122	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090220-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/26/2023 3:05 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH S ENTRANCE - 'SD' ALIGNMENT

9

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH S ENTRANCE	SHEET 1123	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090220-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/26/2023 3:05 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

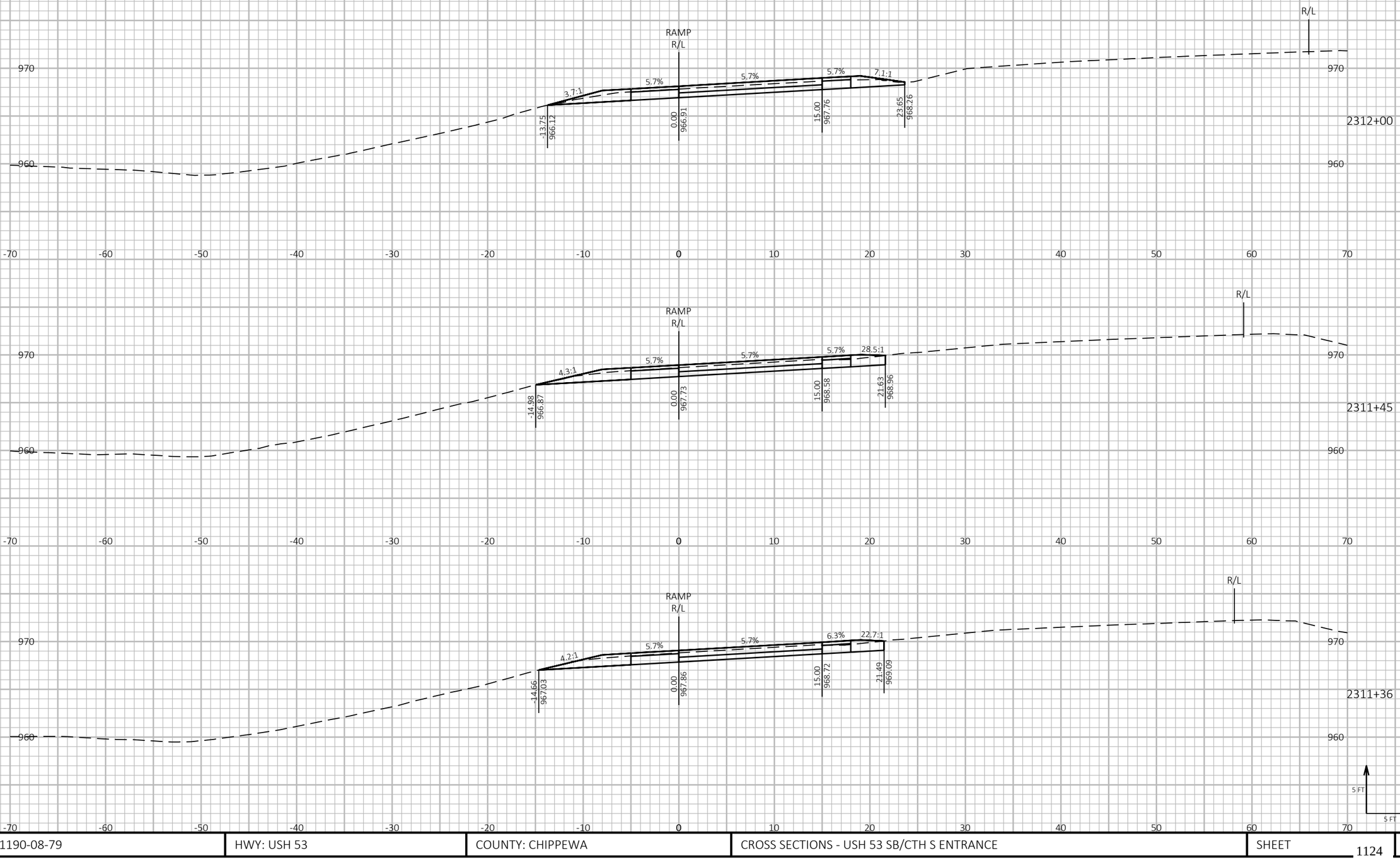
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH S ENTRANCE - 'SD' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH S ENTRANCE	SHEET 1124	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090220-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 7/26/2023 3:05 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

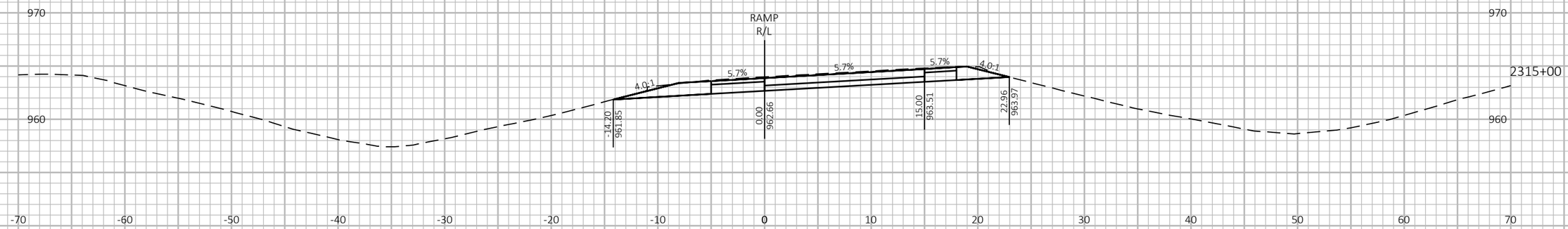
WISDOT/CADDS SHEET 49

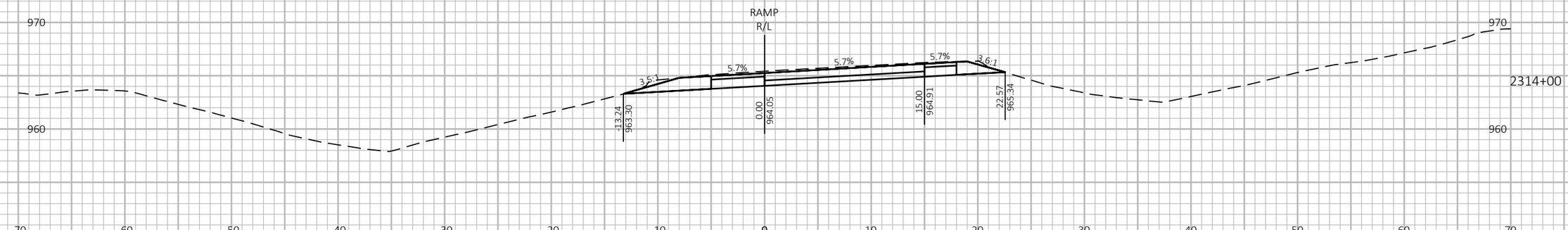
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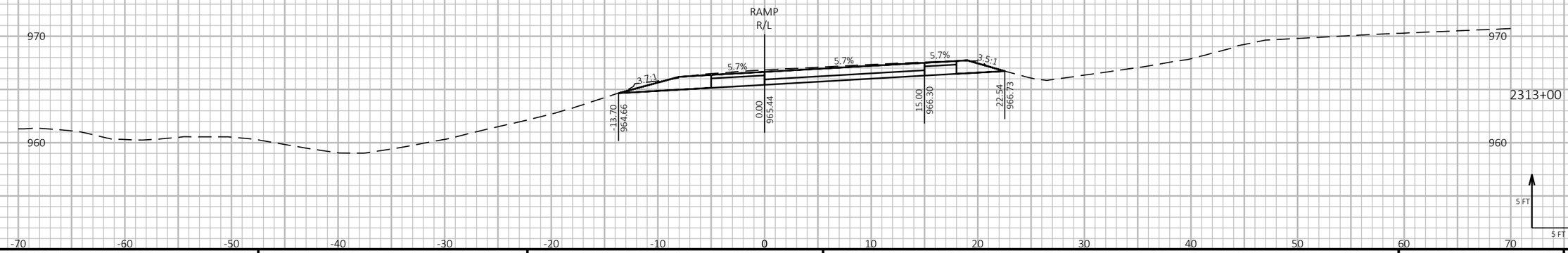
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH S ENTRANCE - 'SD' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH S ENTRANCE	SHEET 1125	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090220-XS.DWG
LAYOUT NAME - 05

PLOT DATE : 7/26/2023 3:05 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

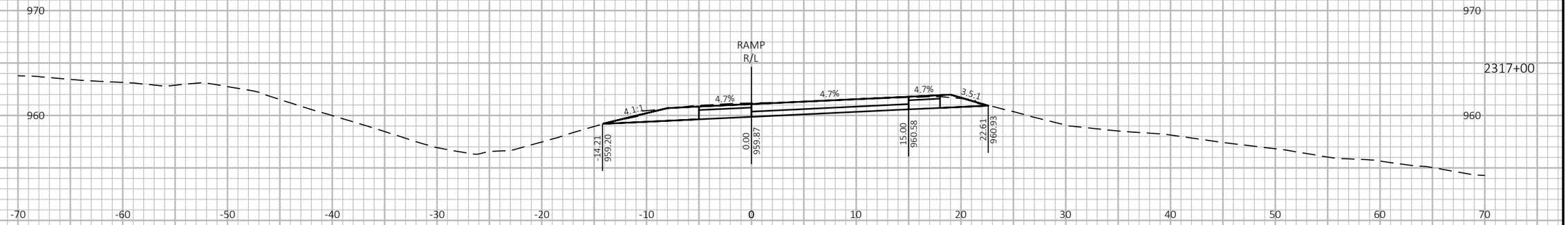
WISDOT/CADDS SHEET 49

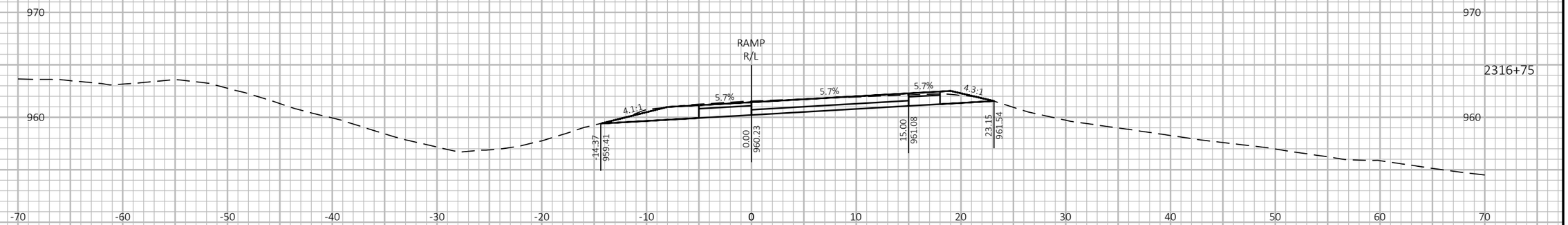
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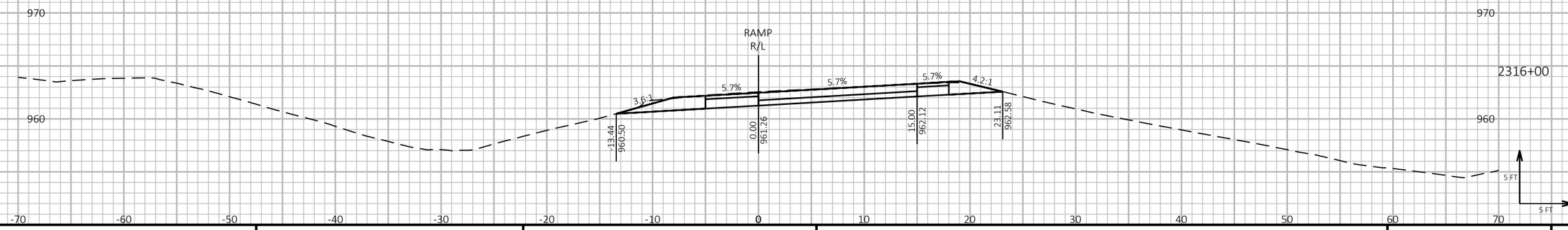
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH S ENTRANCE - 'SD' ALIGNMENT







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9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH S ENTRANCE	SHEET 1126	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090220-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/26/2023 3:06 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

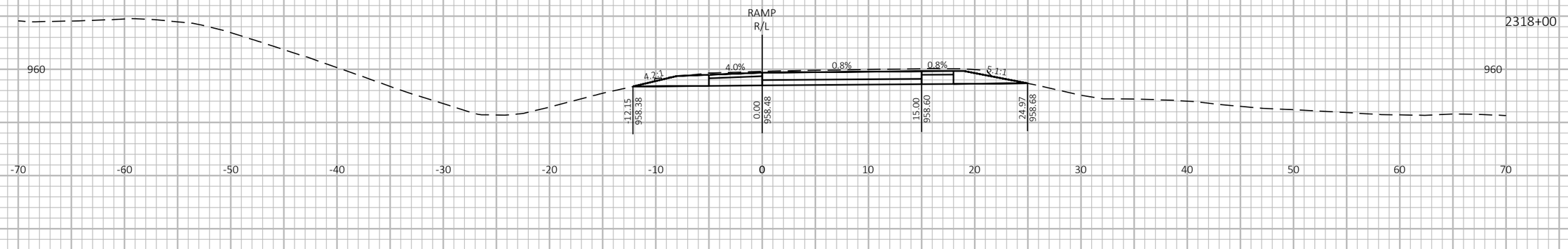
WISDOT/CADDS SHEET 49

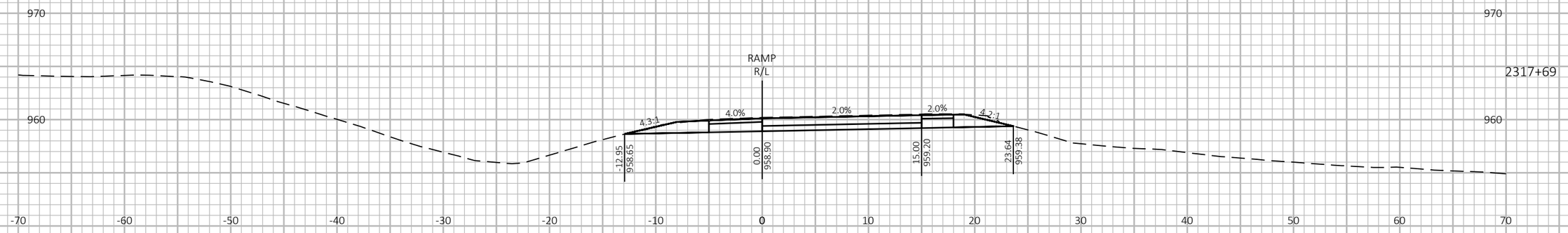
LEGEND

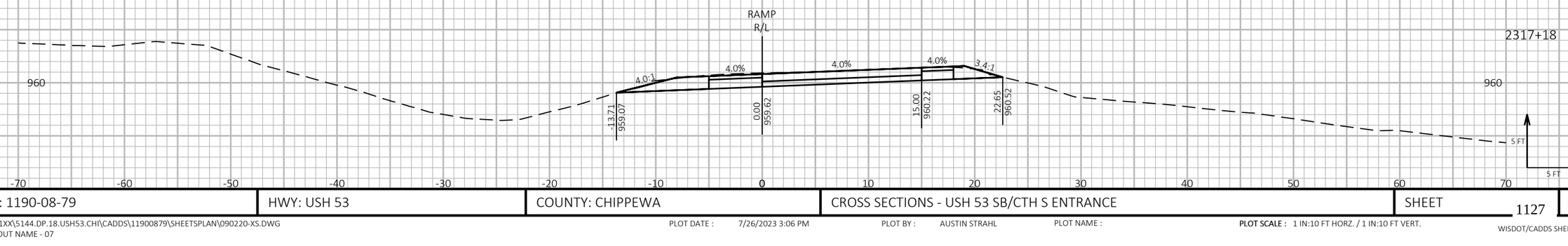
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH S ENTRANCE - 'SD' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH S ENTRANCE	SHEET 1127	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090220-XS.DWG
LAYOUT NAME - 07

PLOT DATE : 7/26/2023 3:06 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

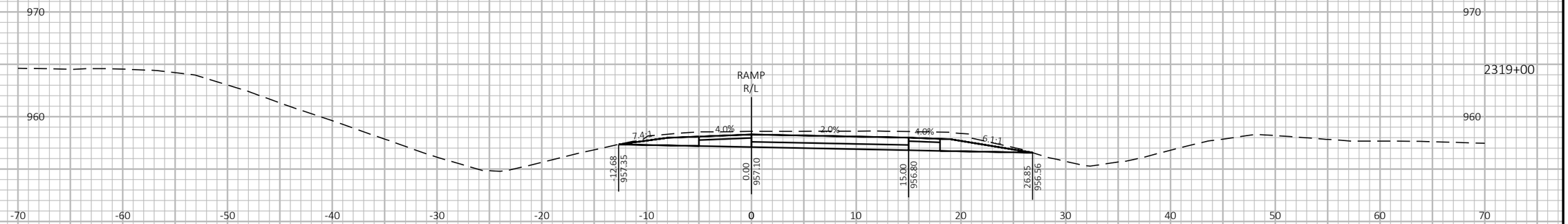
WISDOT/CADDS SHEET 49

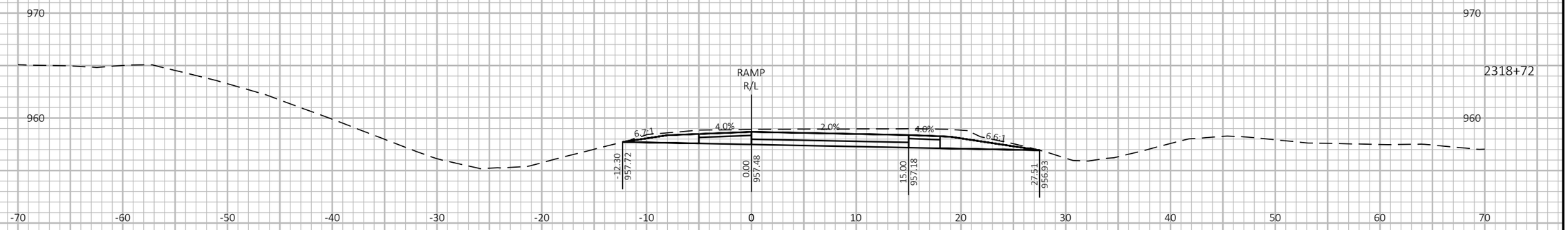
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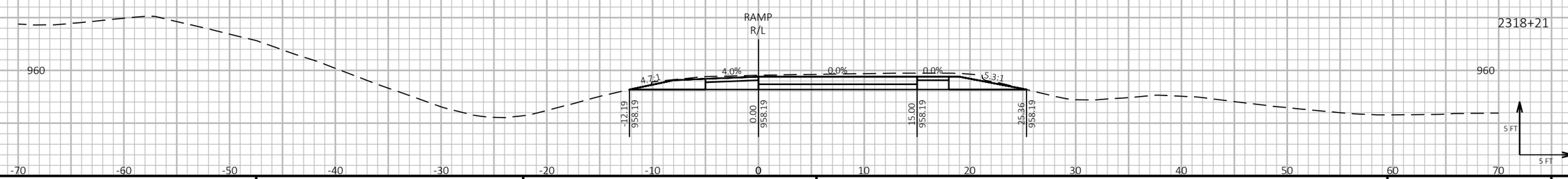
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH S ENTRANCE - 'SD' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH S ENTRANCE	SHEET 1128	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090220-XS.DWG
LAYOUT NAME - 08

PLOT DATE : 7/26/2023 3:06 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

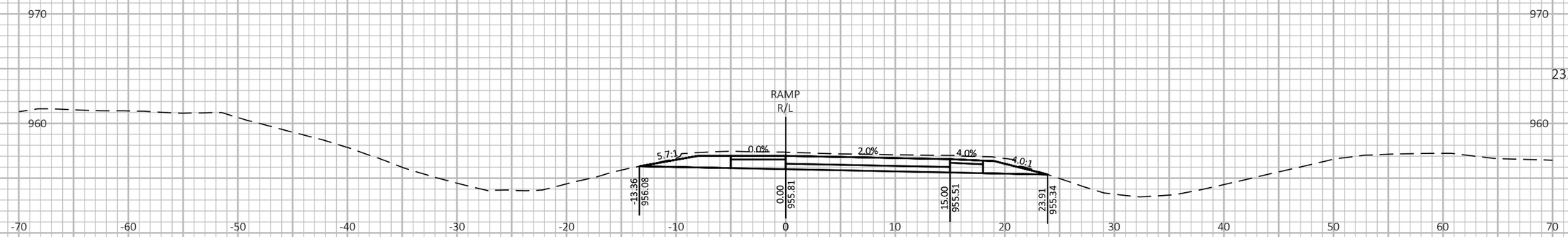
WISDOT/CADDS SHEET 49

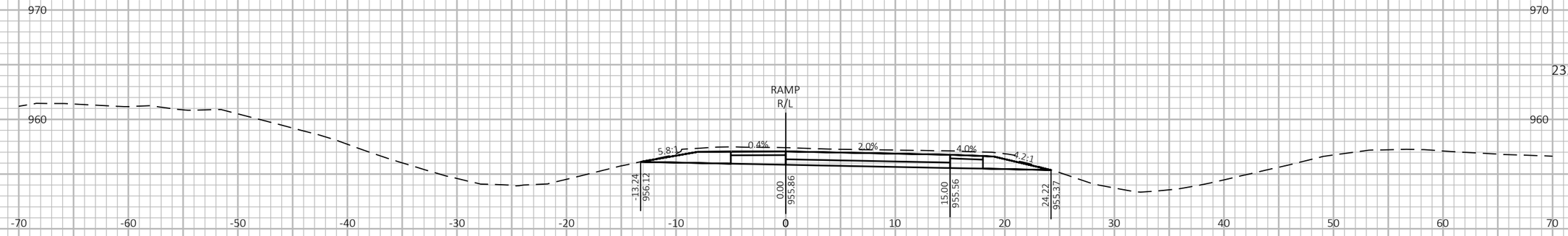
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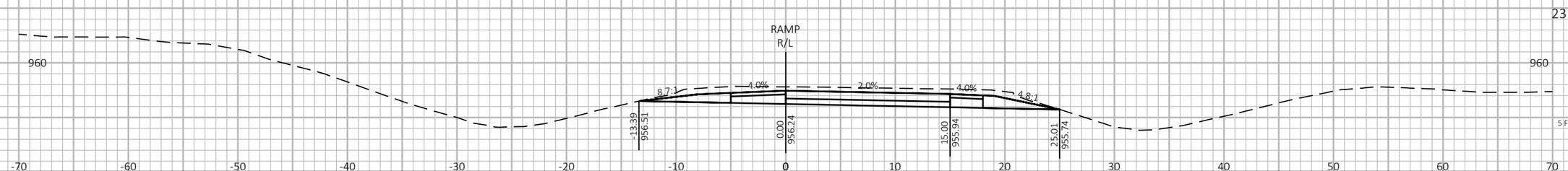
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH S ENTRANCE - 'SD' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH S ENTRANCE	SHEET 1129	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090220-XS.DWG
LAYOUT NAME - 09

PLOT DATE : 7/26/2023 3:06 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

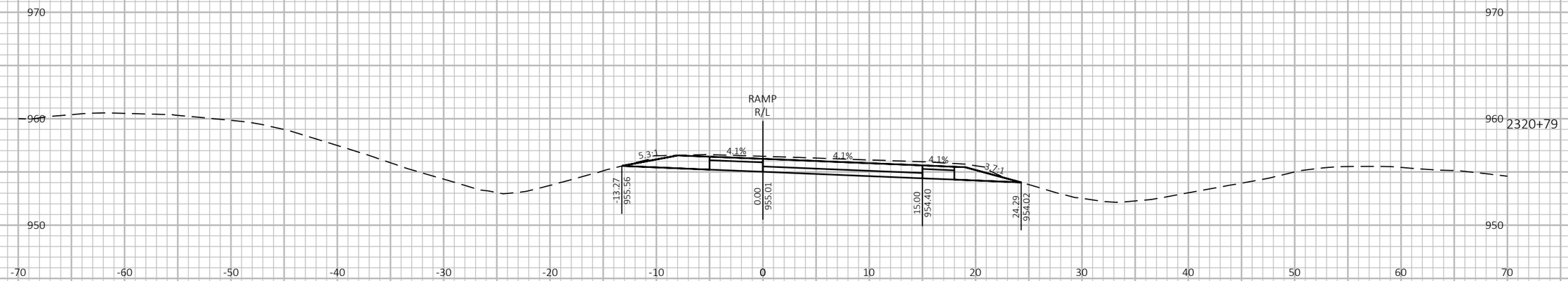
WISDOT/CADDS SHEET 49

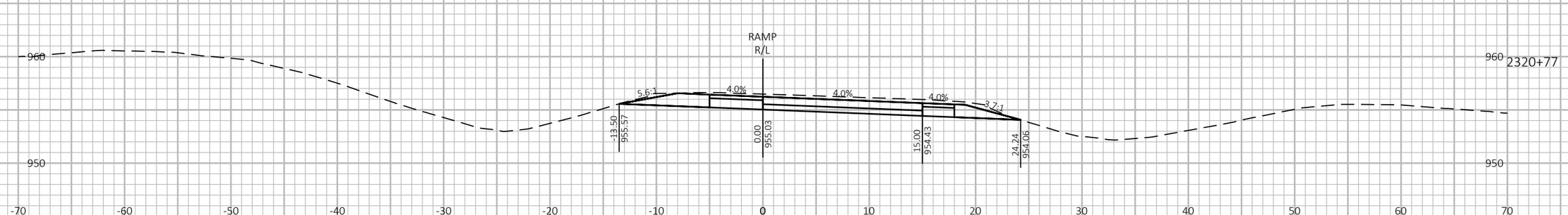
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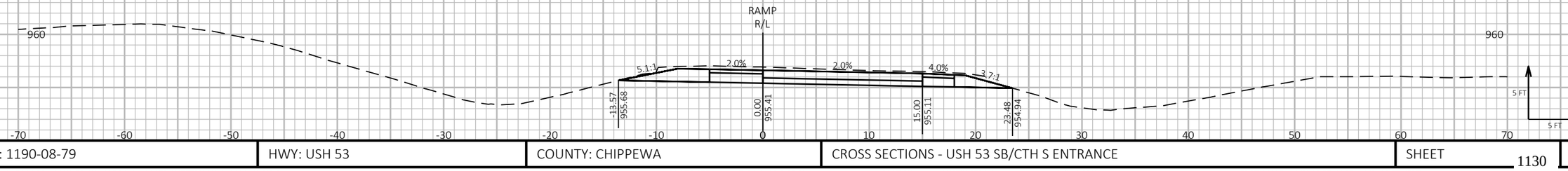
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH S ENTRANCE - 'SD' ALIGNMENT







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9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH S ENTRANCE	SHEET 1130	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090220-XS.DWG
LAYOUT NAME - 10

PLOT DATE : 7/26/2023 3:07 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

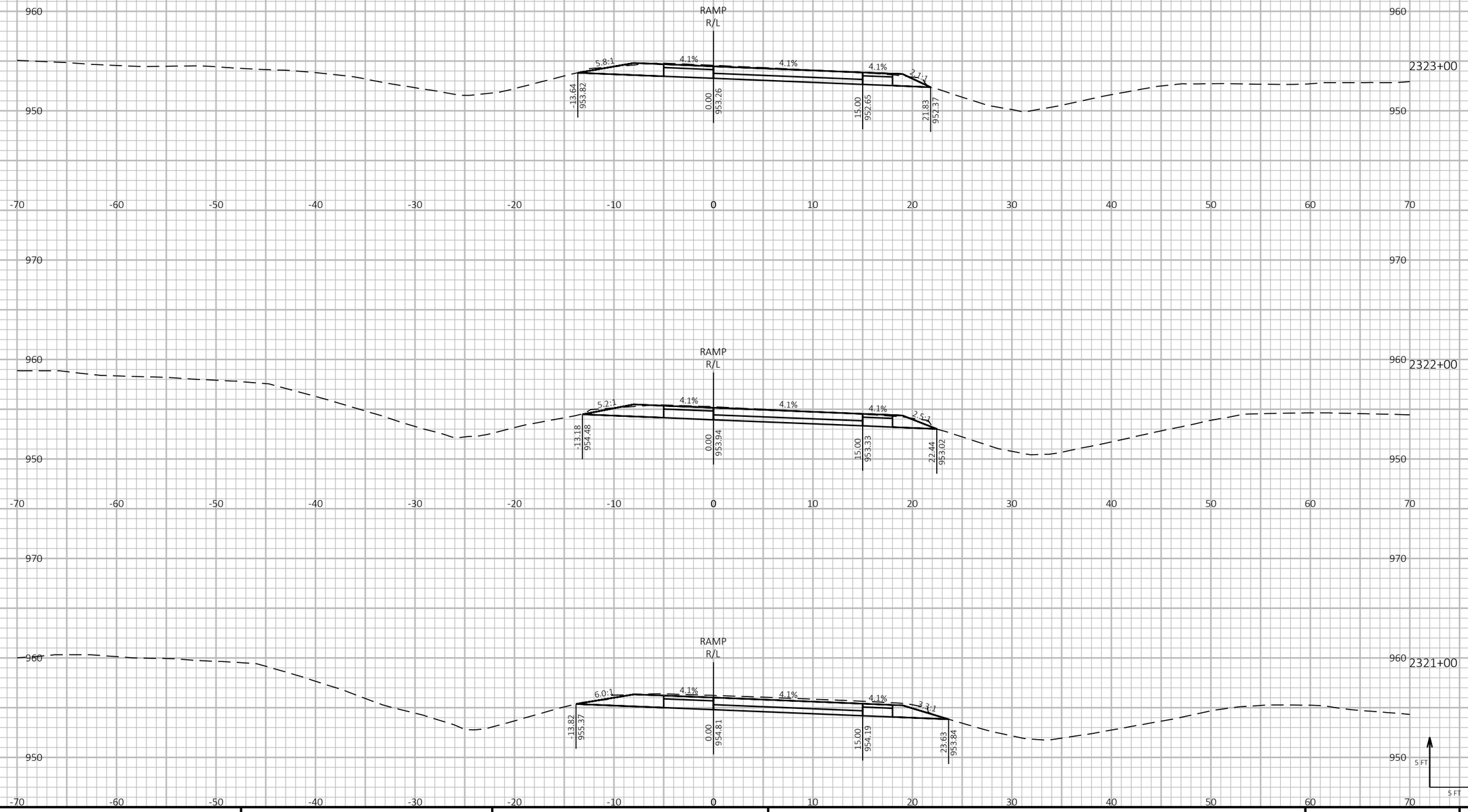
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH S ENTRANCE - 'SD' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH S ENTRANCE	SHEET 1131	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090220-XS.DWG
LAYOUT NAME - 11

PLOT DATE : 7/26/2023 3:07 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

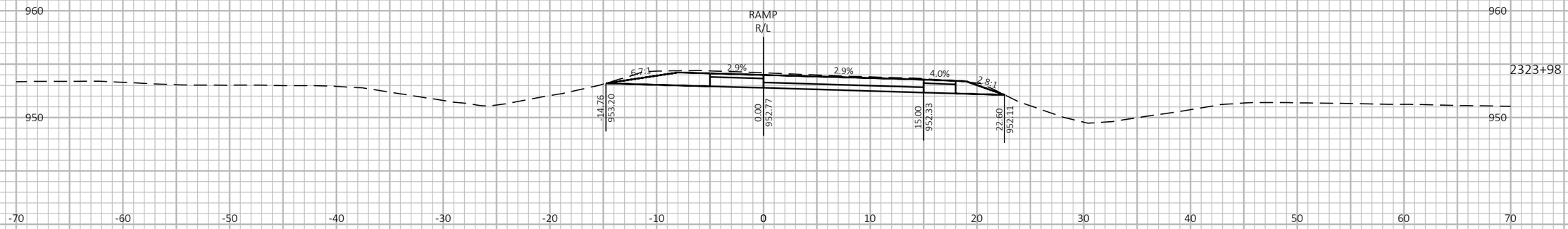
WISDOT/CADDS SHEET 49

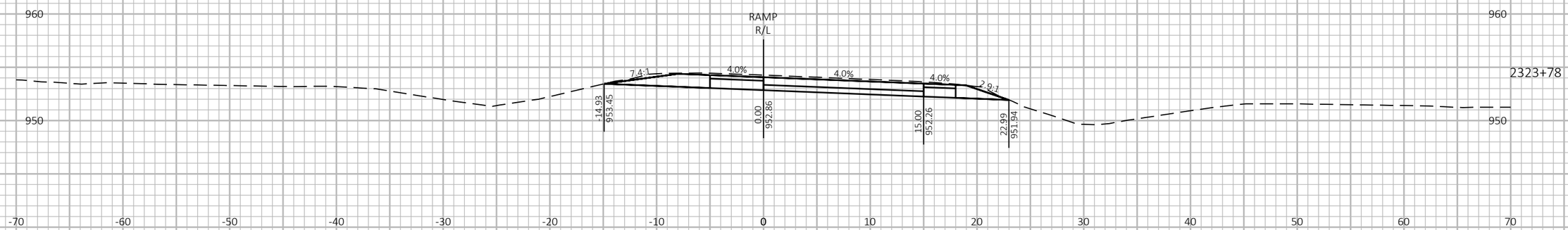
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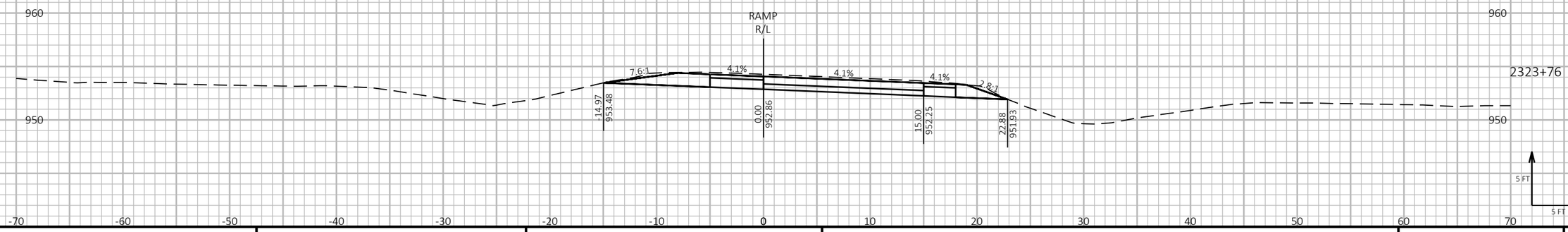
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH S ENTRANCE - 'SD' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH S ENTRANCE	SHEET 1132	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090220-XS.DWG
LAYOUT NAME - 12

PLOT DATE : 7/26/2023 3:07 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

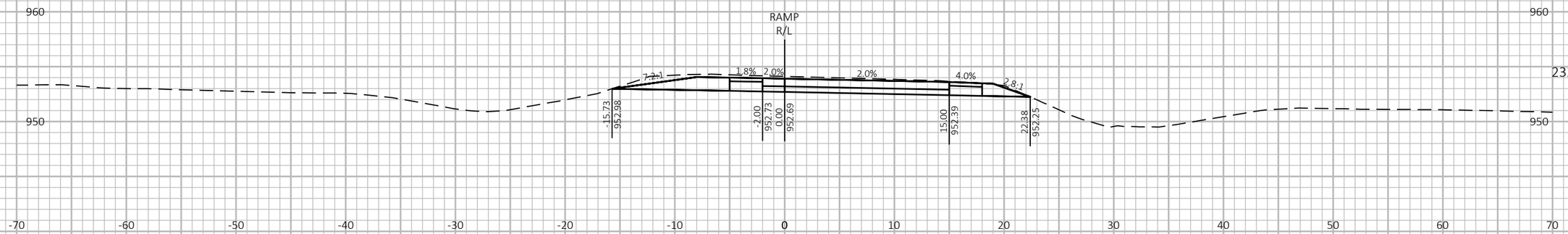
WISDOT/CADDS SHEET 49

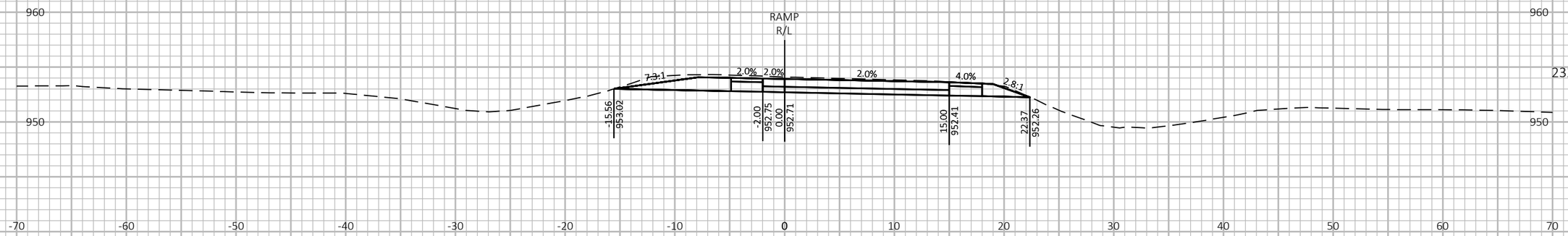
LEGEND

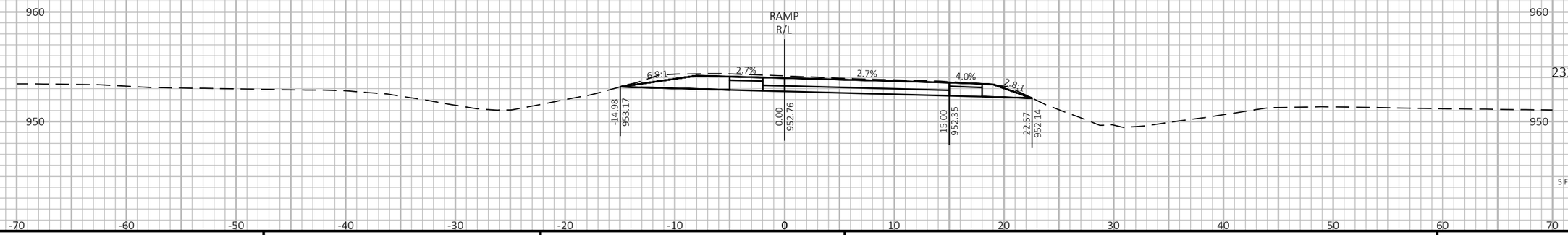
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH S ENTRANCE - 'SD' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH S ENTRANCE	SHEET 1133	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090220-XS.DWG
LAYOUT NAME - 13

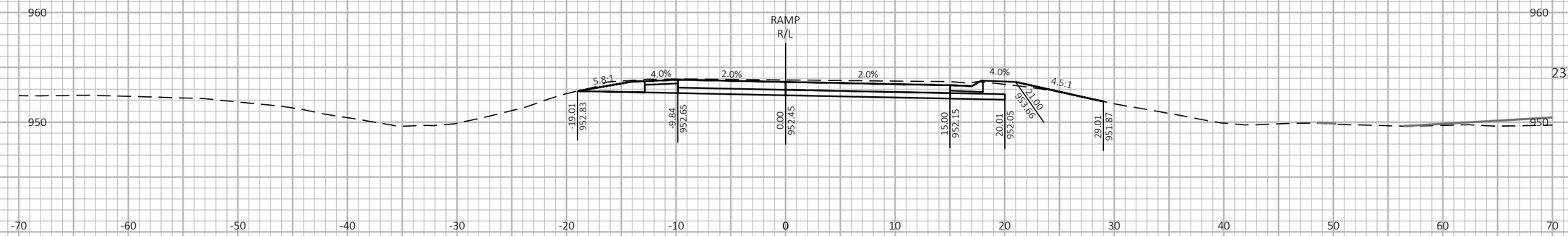
PLOT DATE : 7/26/2023 3:07 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

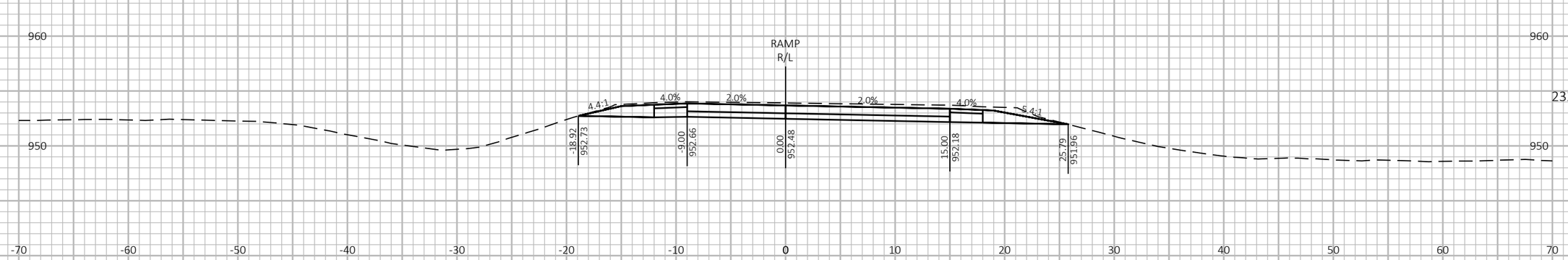
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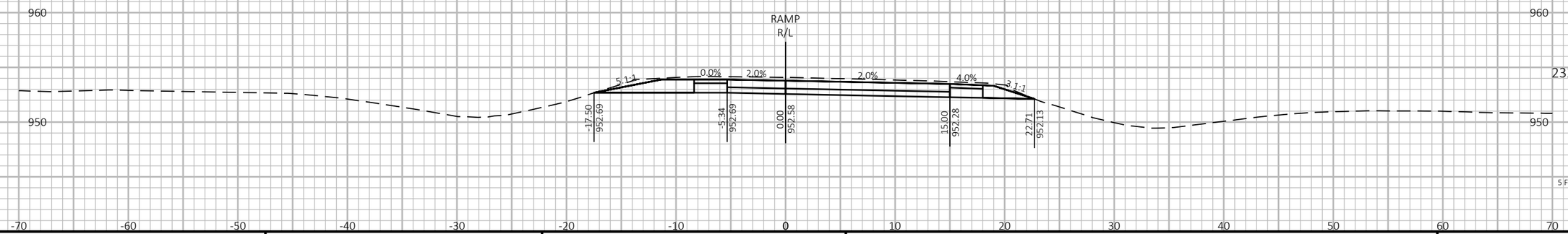
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH S ENTRANCE - 'SD' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH S ENTRANCE	SHEET 1134	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090220-XS.DWG
LAYOUT NAME - 14

PLOT DATE : 7/26/2023 3:08 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

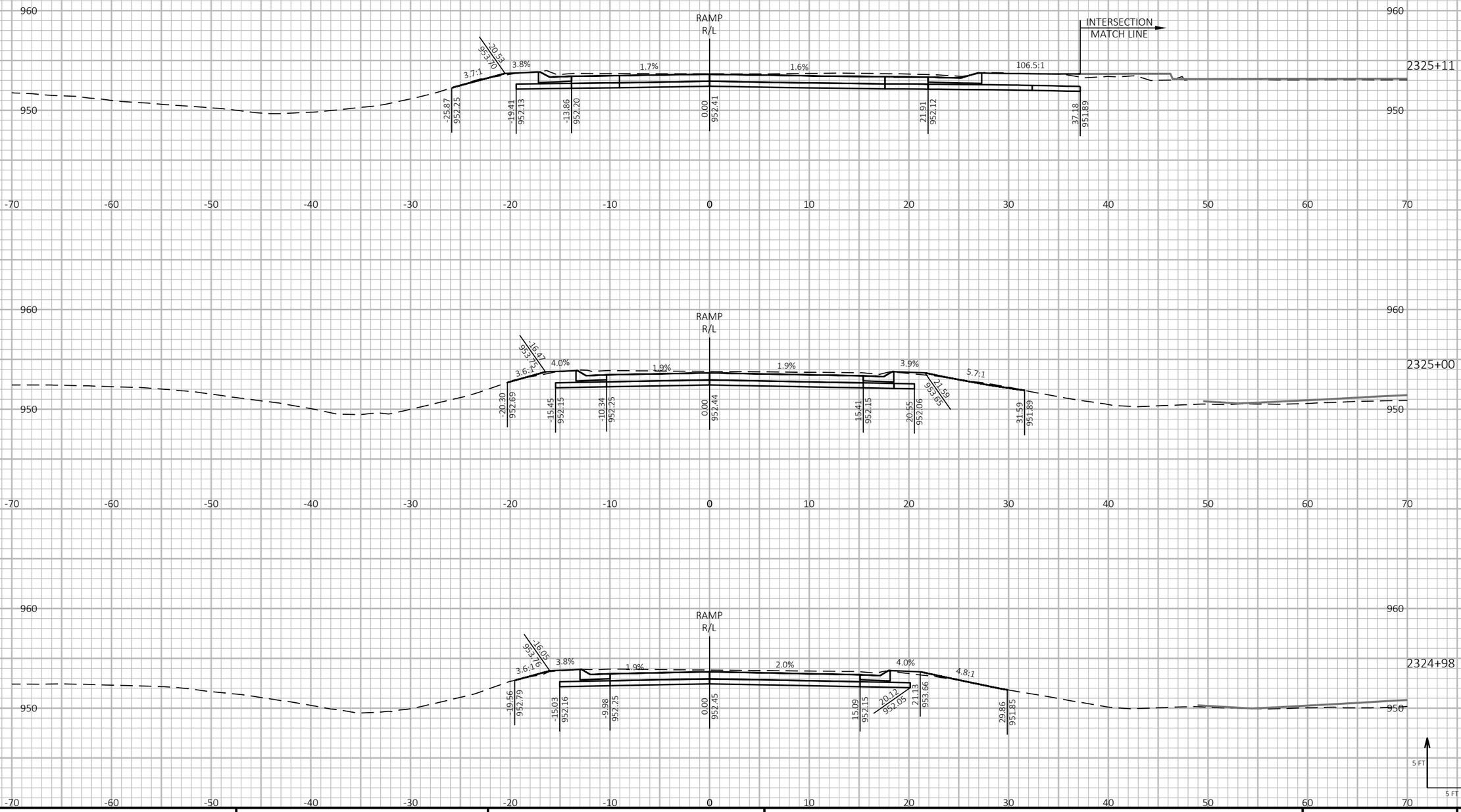
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH S ENTRANCE - 'SD' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH S ENTRANCE	SHEET 1135 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090220-XS.DWG
LAYOUT NAME - 15

PLOT DATE : 7/26/2023 3:08 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

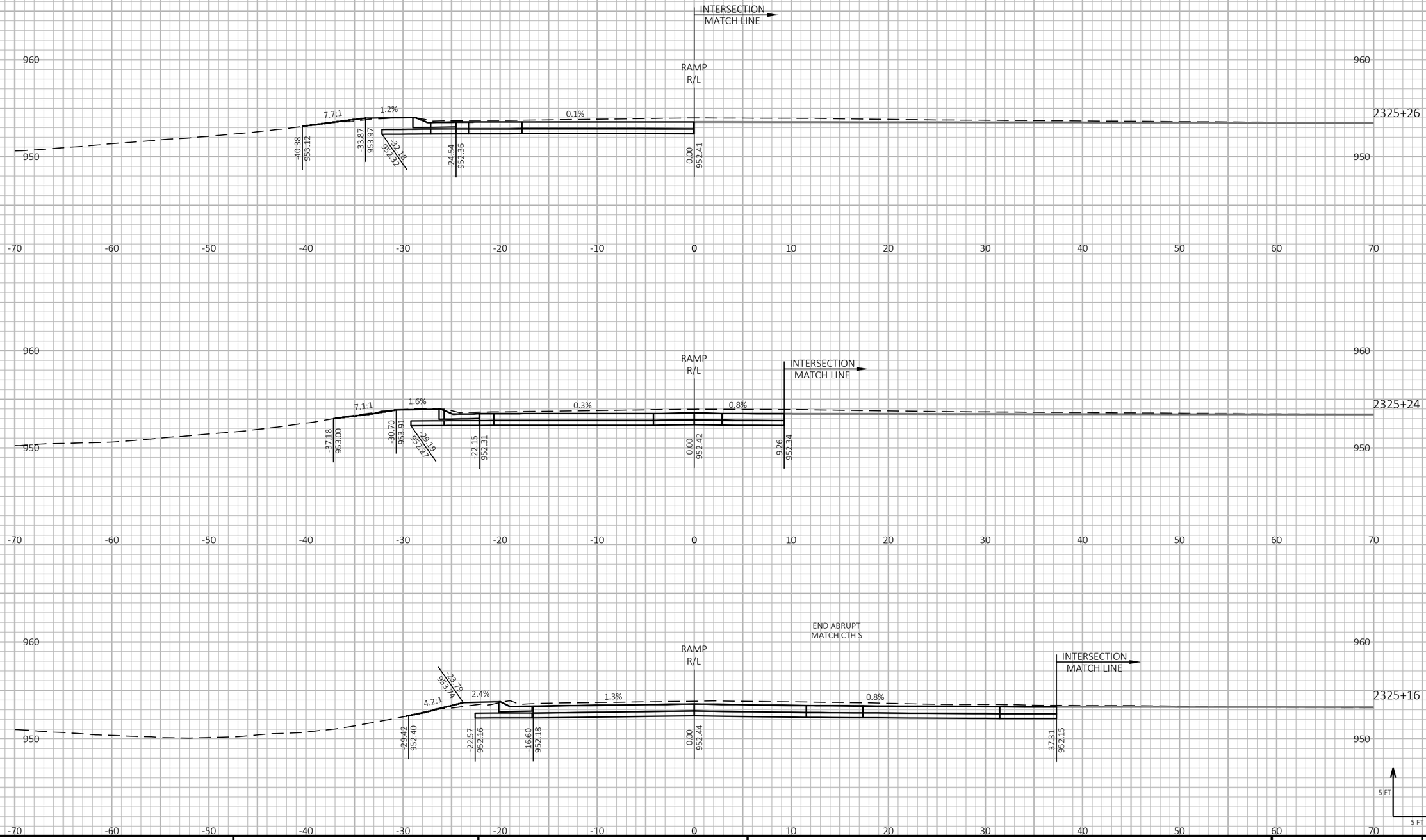
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH S ENTRANCE - 'SD' ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH S ENTRANCE	SHEET 1136 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090220-XS.DWG
LAYOUT NAME - 16

PLOT DATE : 7/26/2023 3:08 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

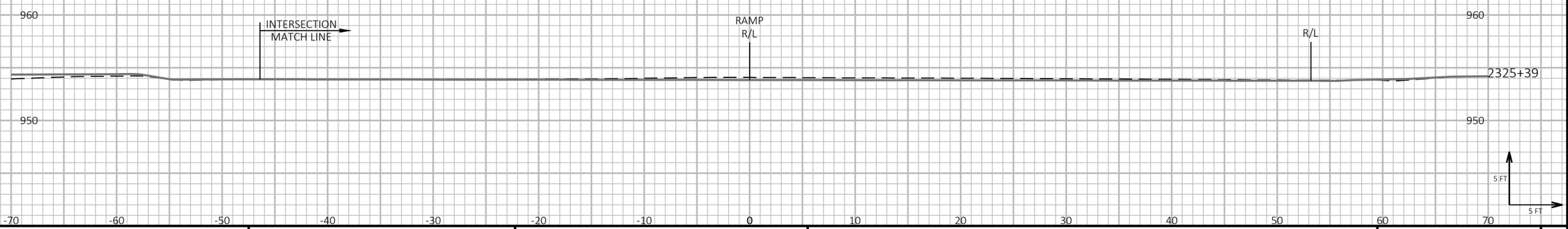
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH S ENTRANCE - 'SD' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH S ENTRANCE	SHEET 1137	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090220-XS.DWG
LAYOUT NAME - 17

PLOT DATE : 7/26/2023 3:08 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

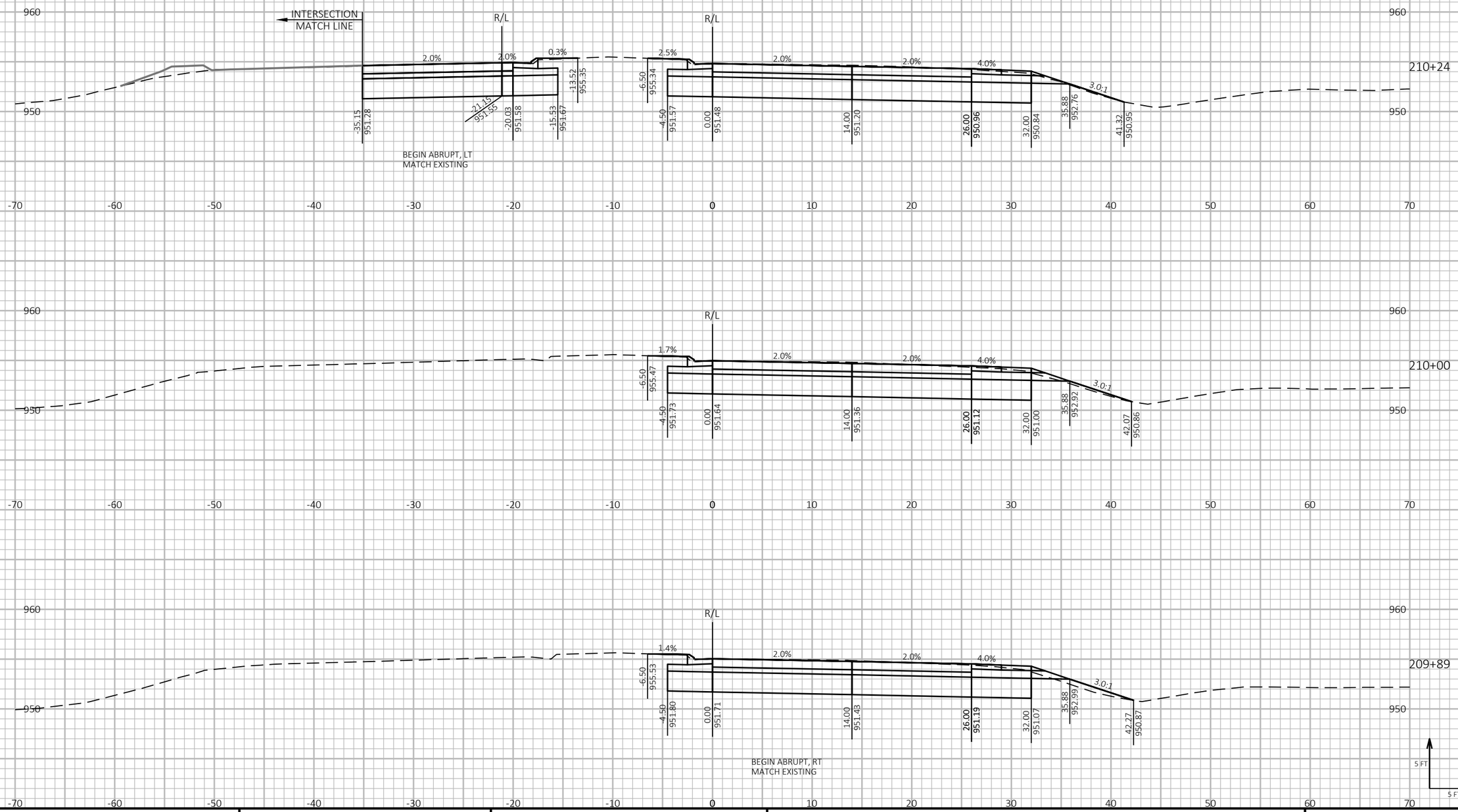
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG CTH S EB - 'EB' ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - CTH S	SHEET 1138	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090221-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 3:14 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

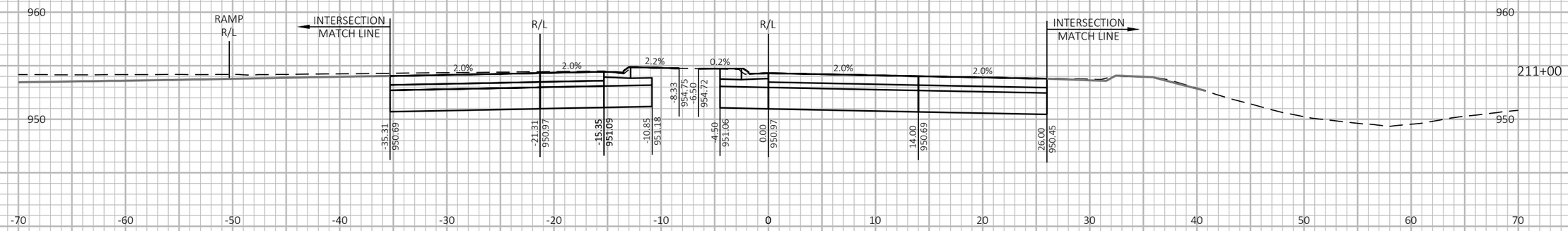
WISDOT/CADDS SHEET 49

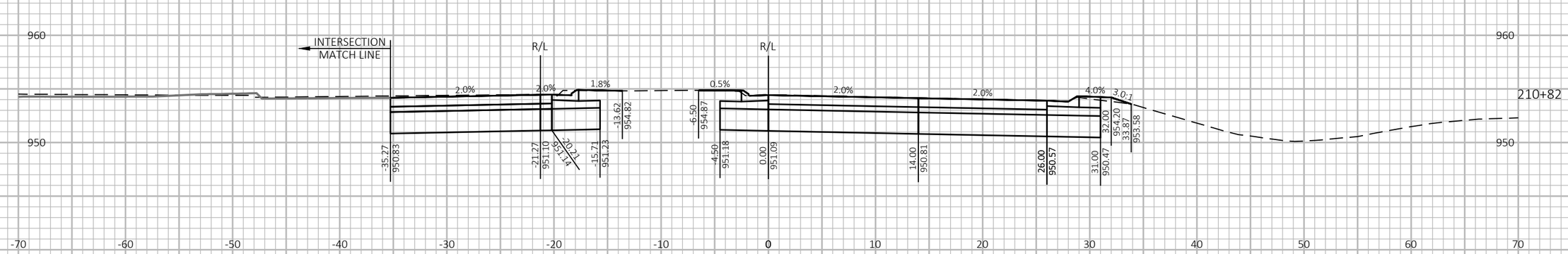
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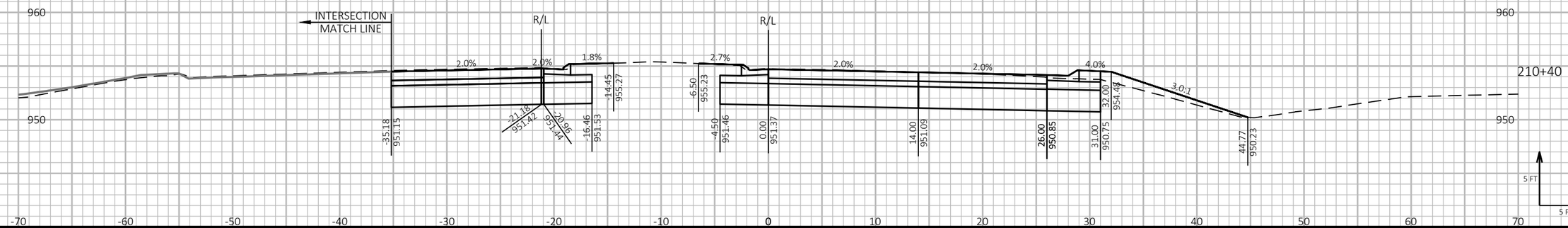
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG CTH S EB - 'EB' ALIGNMENT







9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - CTH S	SHEET 1139	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090221-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/26/2023 3:14 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

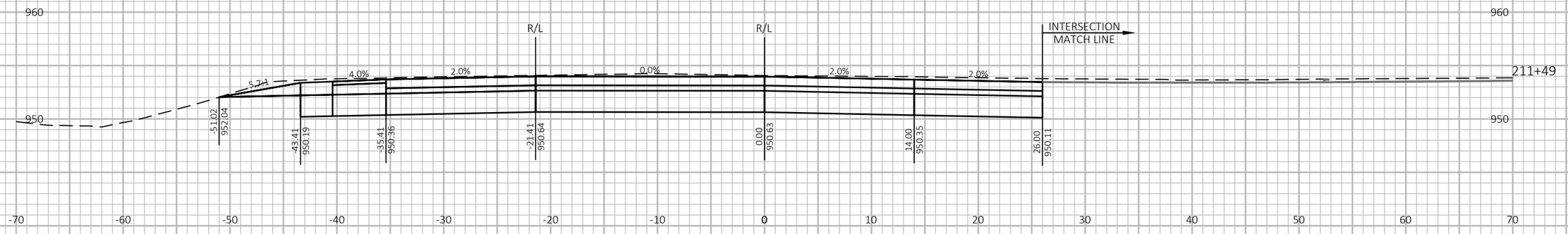
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

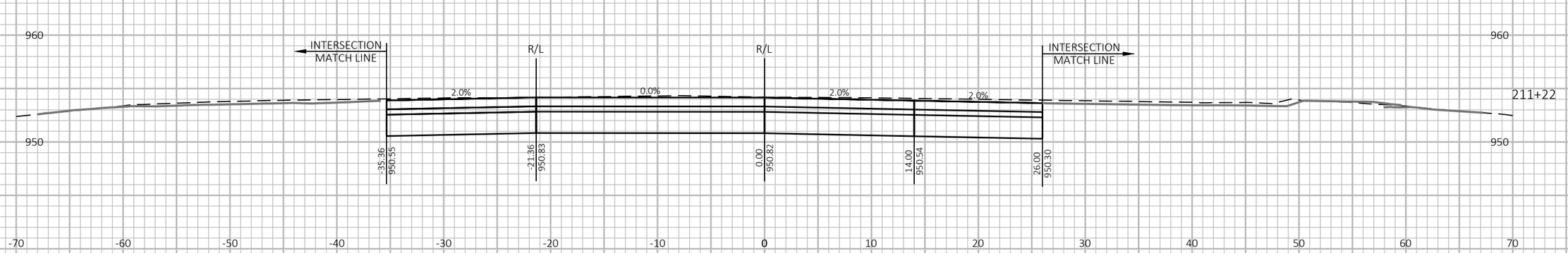
LEGEND

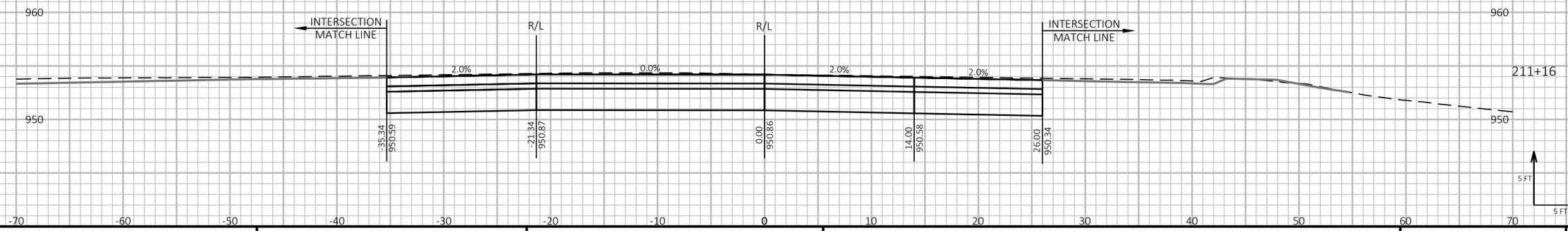
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG CTH S EB - 'EB' ALIGNMENT







9

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - CTH S	SHEET 1140	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090221-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/26/2023 3:15 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

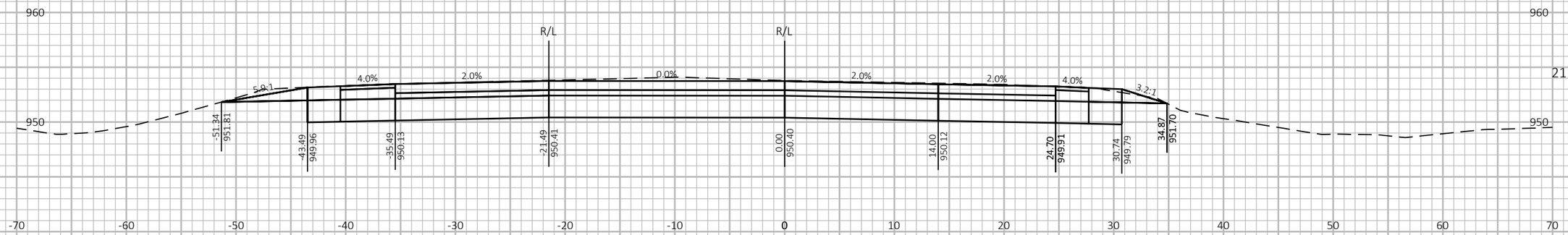
WISDOT/CADDS SHEET 49

LEGEND

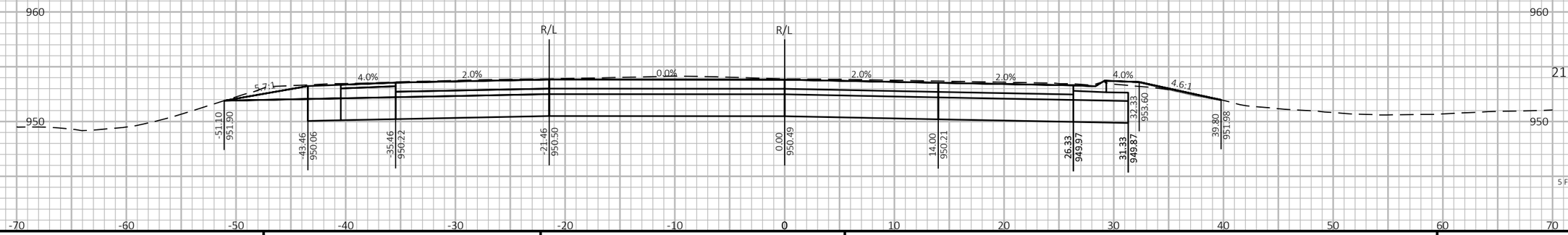
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG CTH S EB - 'EB' ALIGNMENT







9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - CTH S	SHEET 1141 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090221-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 7/26/2023 3:15 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

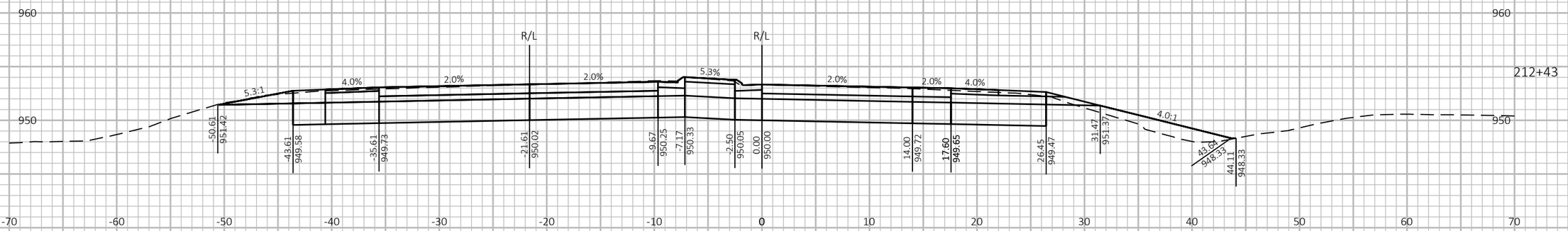
WISDOT/CADDS SHEET 49

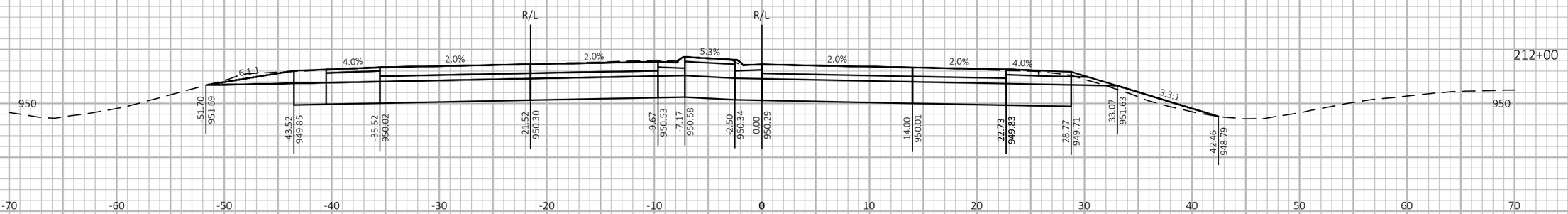
LEGEND

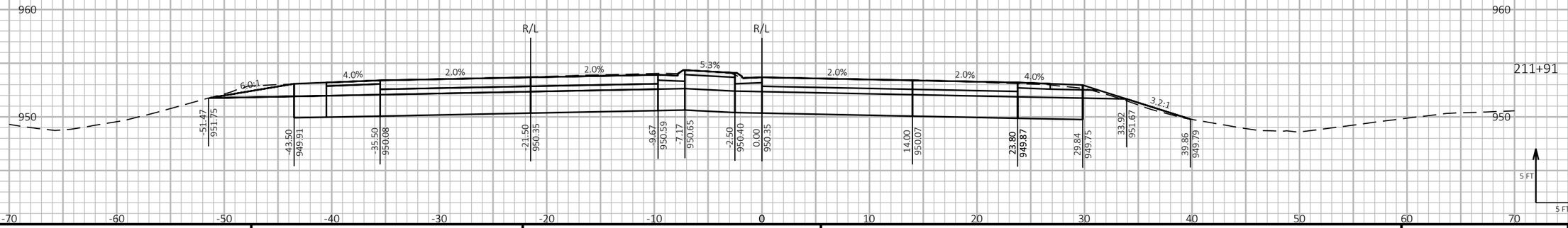
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG CTH S EB - 'EB' ALIGNMENT







9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - CTH S	SHEET 1142 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090221-XS.DWG
LAYOUT NAME - 05

PLOT DATE : 7/26/2023 3:15 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

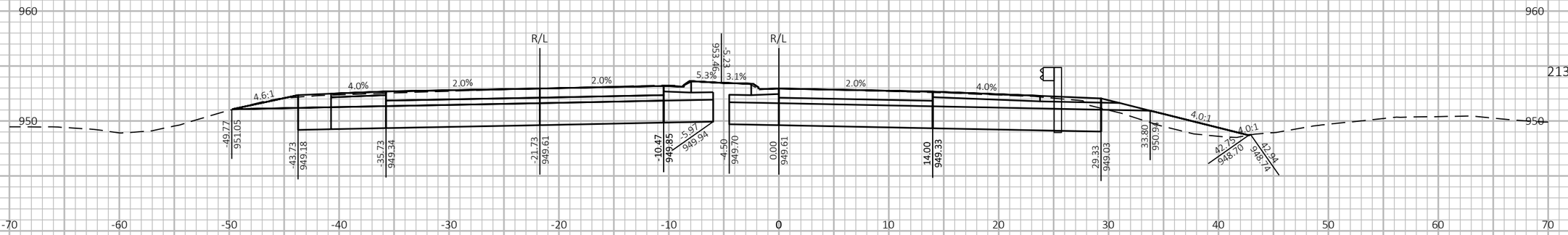
WISDOT/CADDS SHEET 49

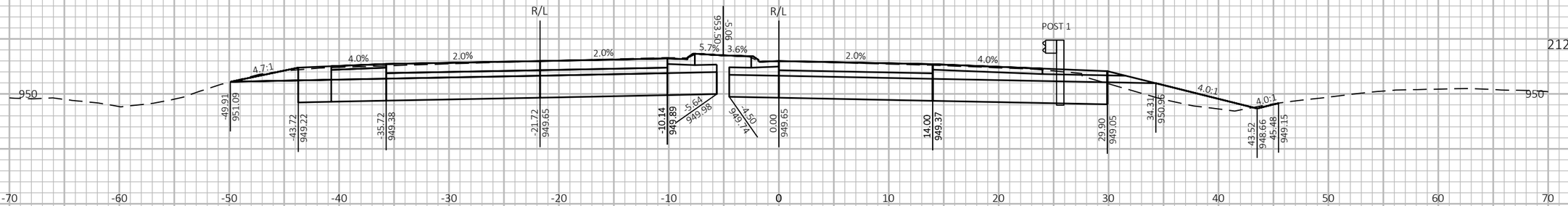
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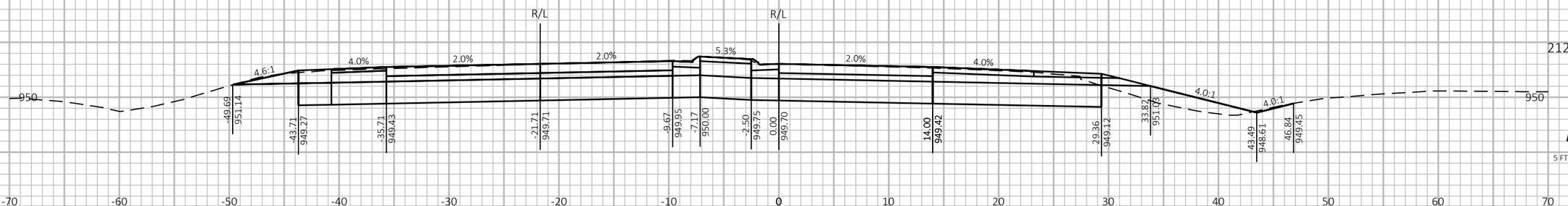
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG CTH S EB - 'EB' ALIGNMENT







9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - CTH S	SHEET 1143	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090221-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/26/2023 3:15 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

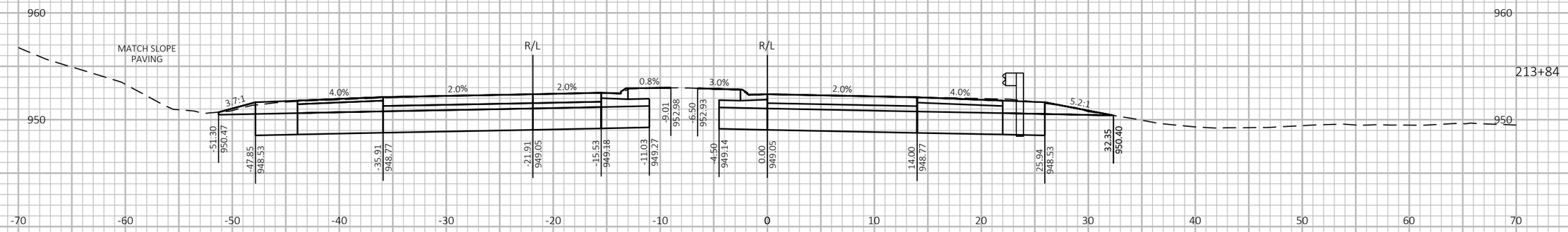
WISDOT/CADDS SHEET 49

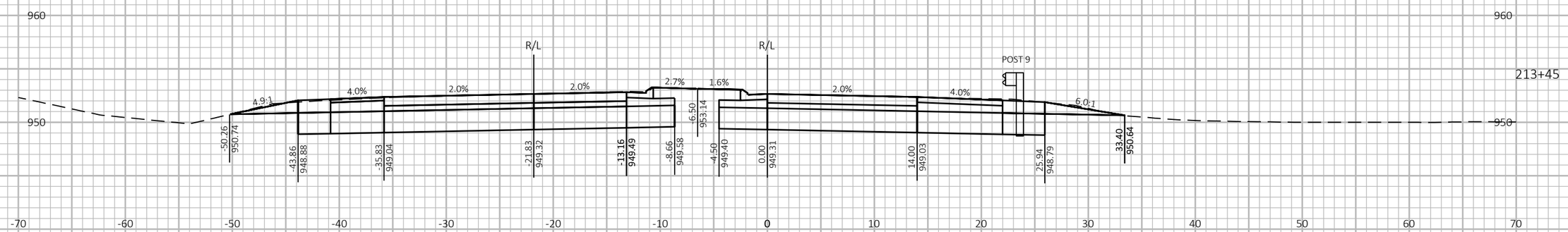
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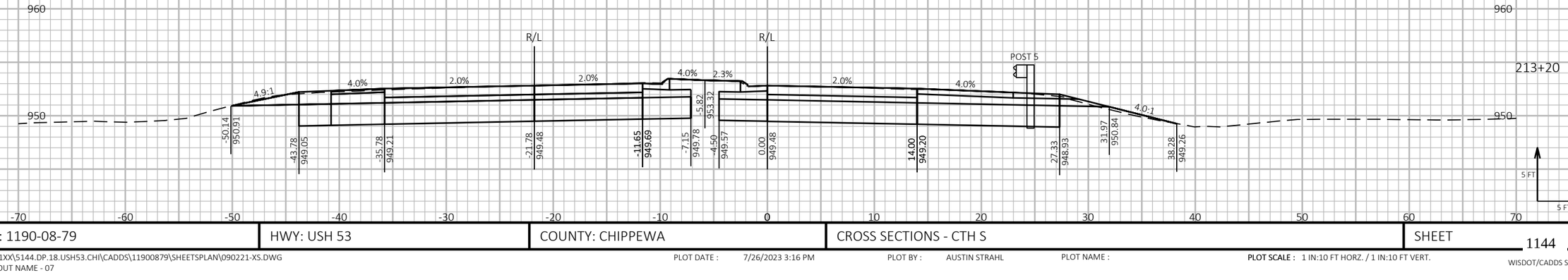
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG CTH S EB - 'EB' ALIGNMENT







9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - CTH S	SHEET 1144	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090221-XS.DWG
LAYOUT NAME - 07

PLOT DATE : 7/26/2023 3:16 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

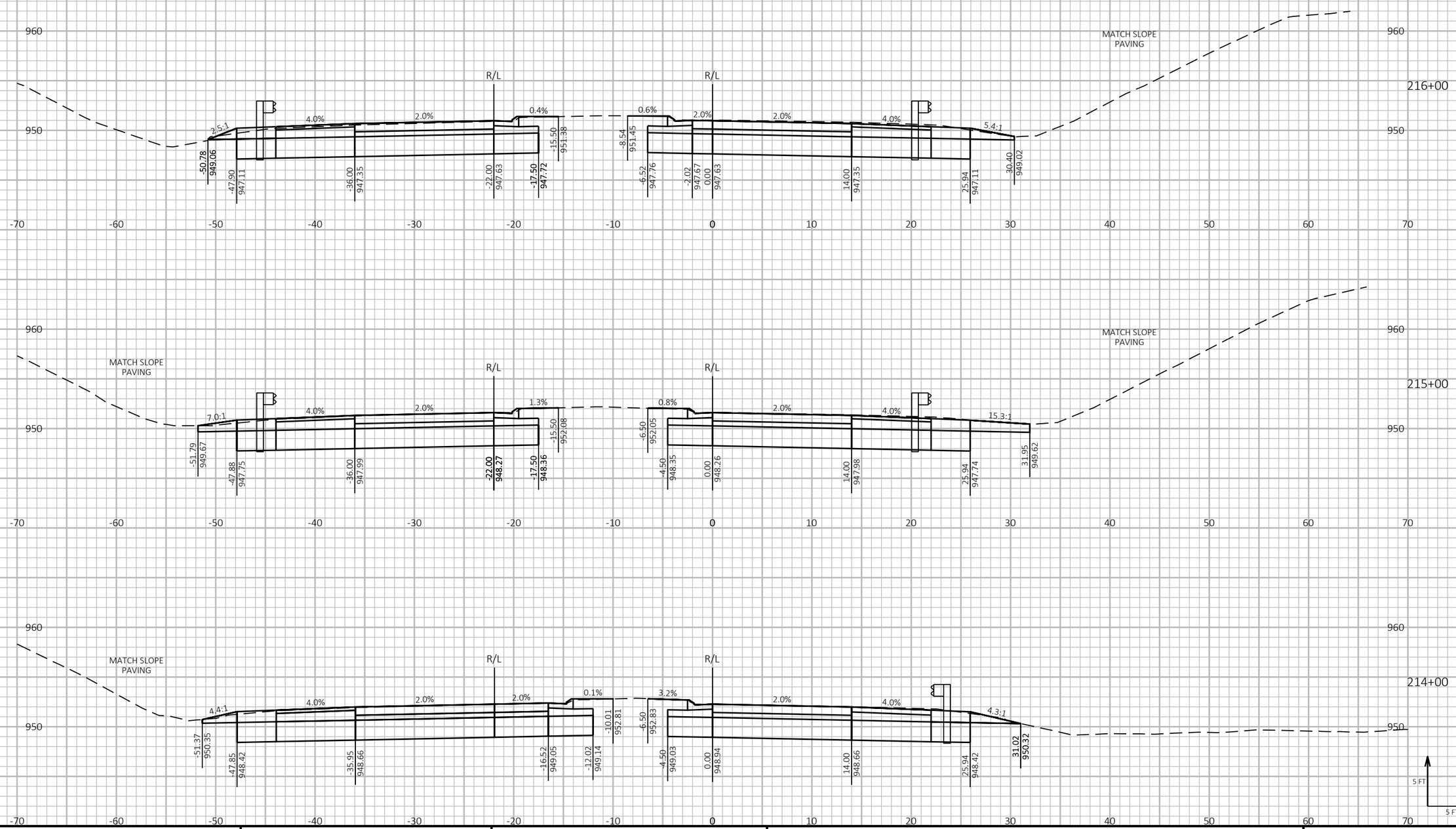
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG CTH S EB - 'EB' ALIGNMENT



9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - CTH S	SHEET 1145	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090221-XS.DWG
LAYOUT NAME - 08

PLOT DATE : 7/26/2023 3:16 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

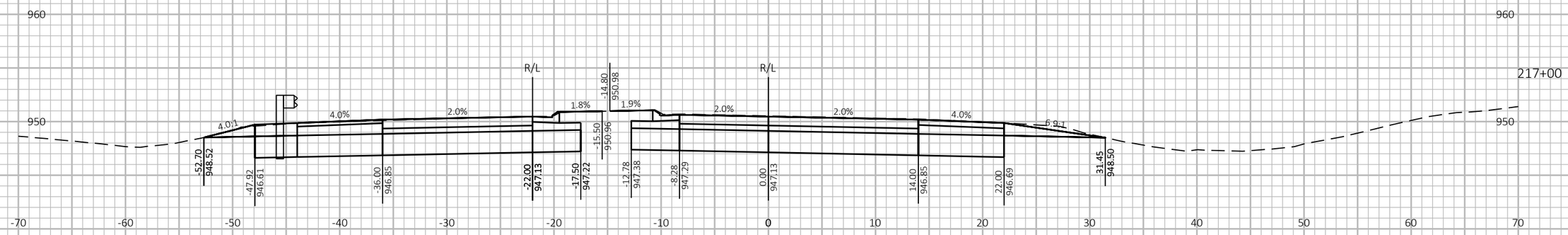
WISDOT/CADDS SHEET 49

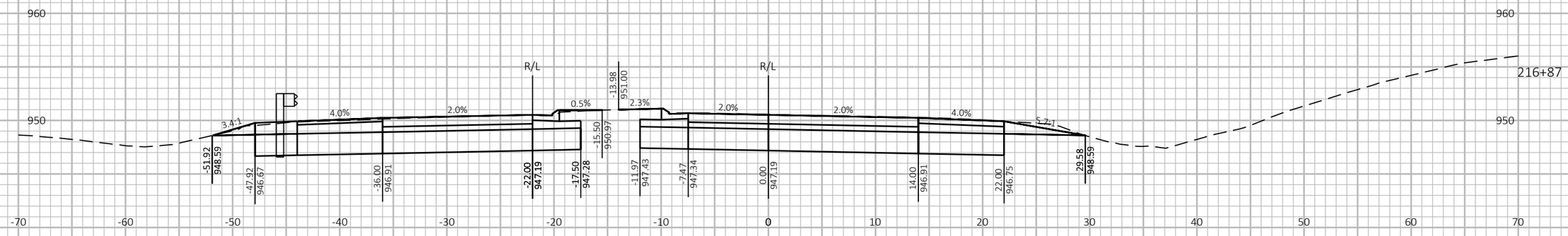
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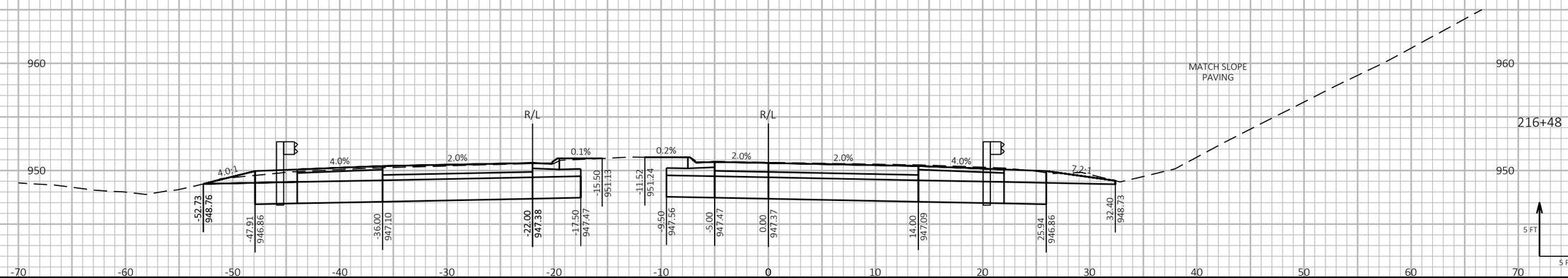
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG CTH S EB - 'EB' ALIGNMENT







9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - CTH S	SHEET 1146	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090221-XS.DWG
LAYOUT NAME - 09

PLOT DATE : 7/26/2023 3:16 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

WISDOT/CADDS SHEET 49

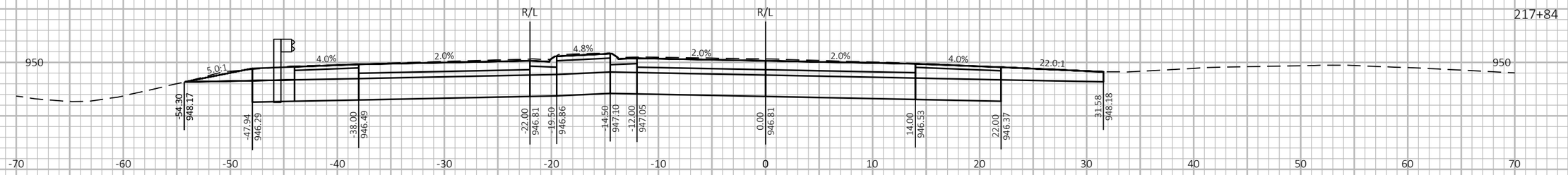
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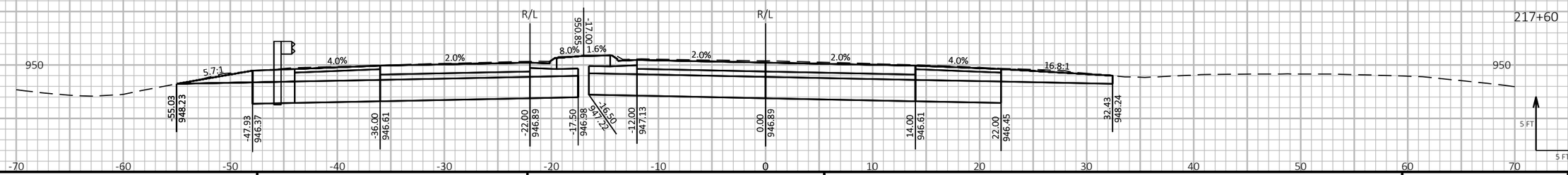
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG CTH S EB - 'EB' ALIGNMENT







9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - CTH S	SHEET 1147	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090221-XS.DWG
LAYOUT NAME - 10

PLOT DATE : 7/26/2023 3:16 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

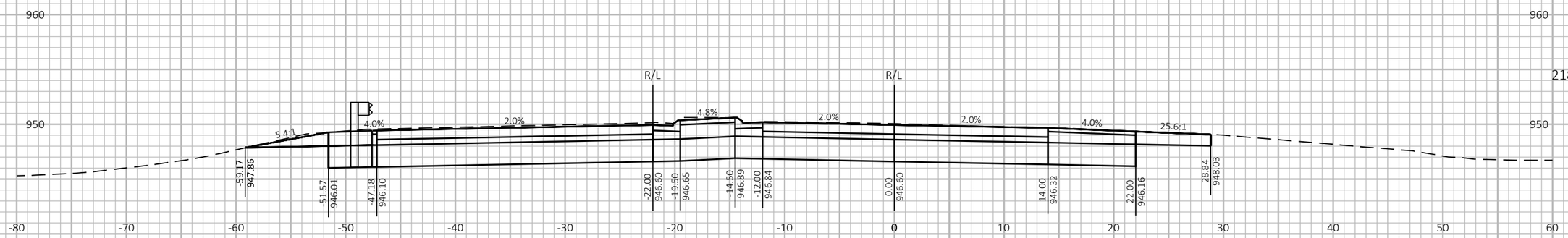
WISDOT/CADDS SHEET 49

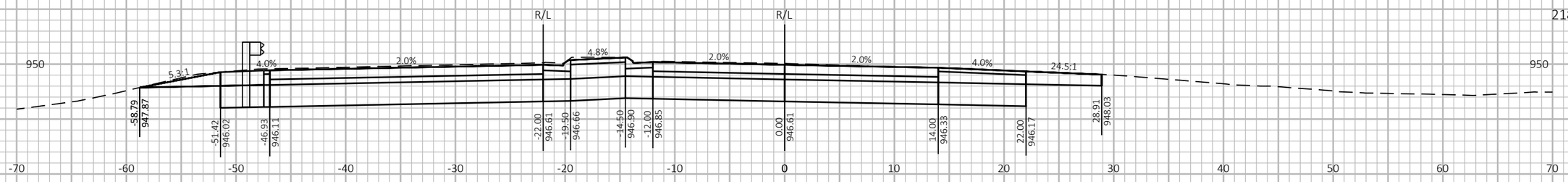
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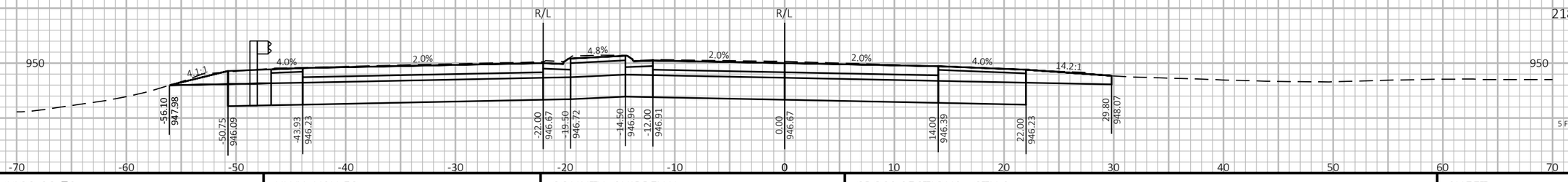
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG CTH S EB - 'EB' ALIGNMENT







9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - CTH S	SHEET 1148	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090221-XS.DWG
LAYOUT NAME - 11

PLOT DATE : 7/26/2023 3:17 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

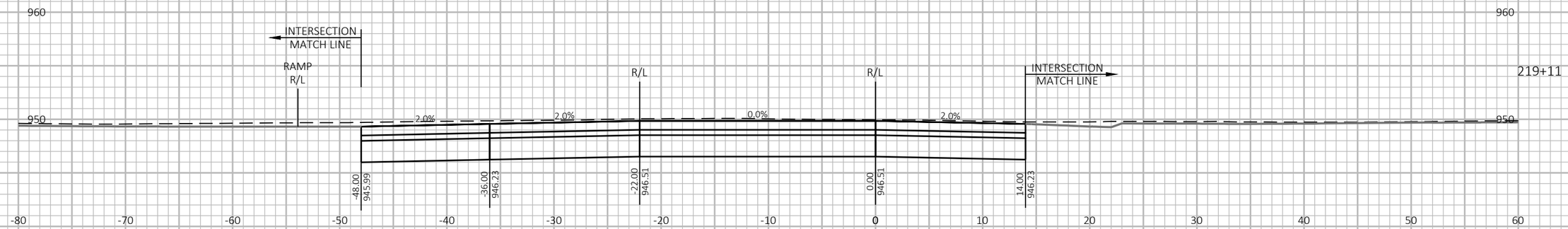
WISDOT/CADDS SHEET 49

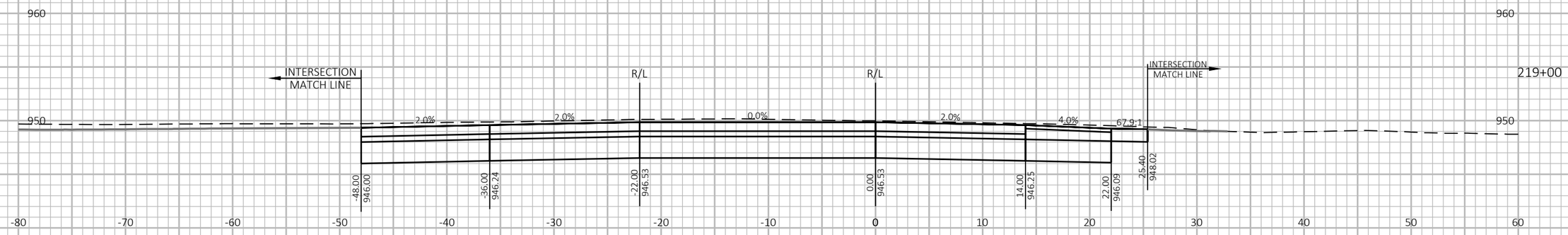
LEGEND

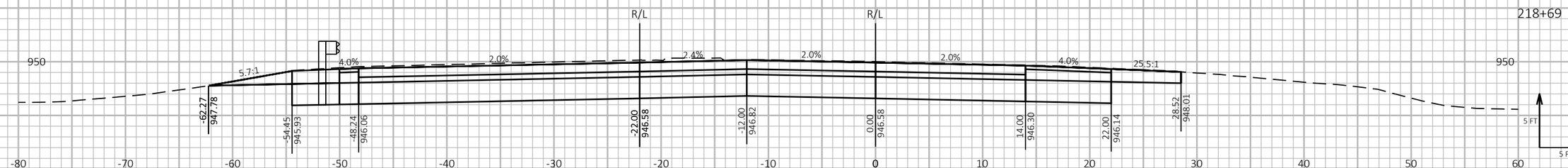
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG CTH S EB - 'EB' ALIGNMENT







9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - CTH S	SHEET 1149	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090221-XS.DWG
LAYOUT NAME - 12

PLOT DATE : 7/26/2023 3:17 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

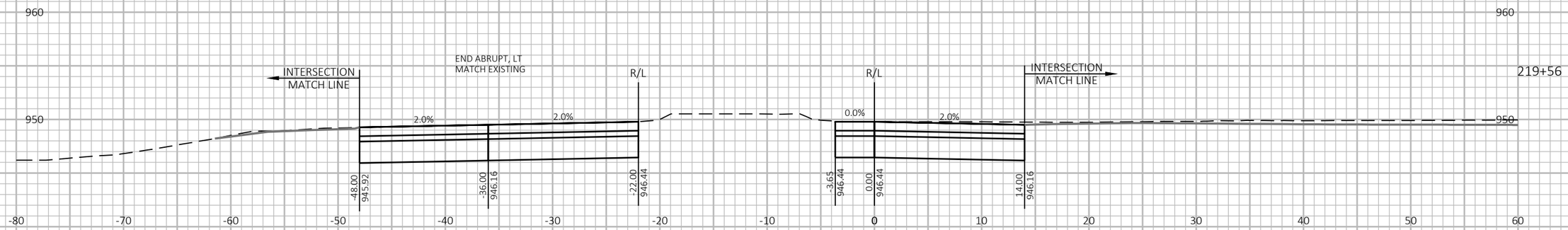
WISDOT/CADDS SHEET 49

LEGEND

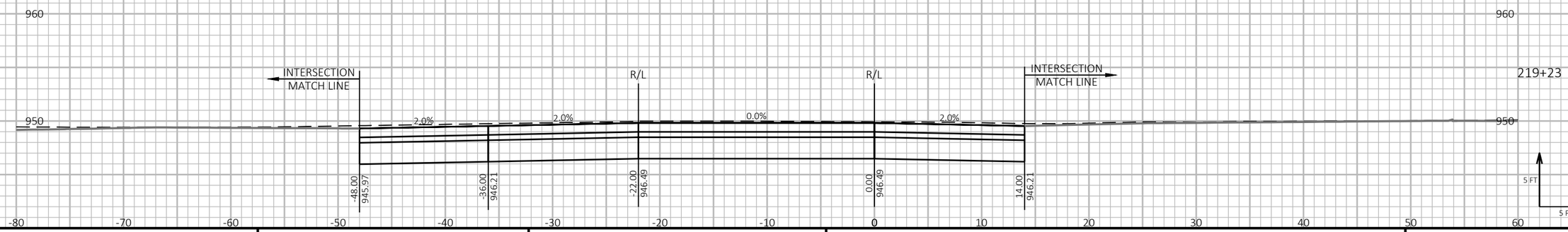
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG CTH S EB - 'EB' ALIGNMENT







9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - CTH S	SHEET 1150	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090221-XS.DWG
LAYOUT NAME - 13

PLOT DATE : 7/26/2023 3:17 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

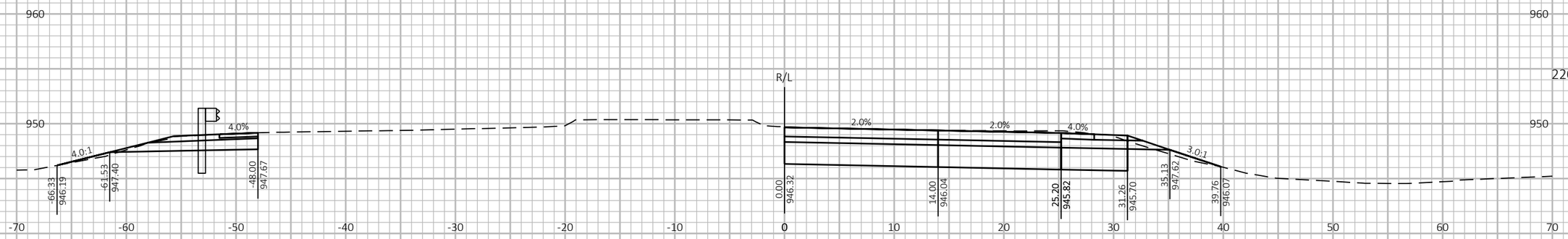
WISDOT/CADDS SHEET 49

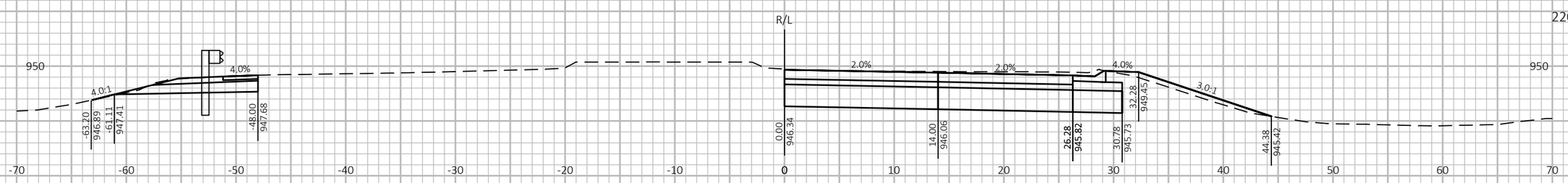
LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG CTH S EB - 'EB' ALIGNMENT







9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - CTH S	SHEET 1151	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090221-XS.DWG
LAYOUT NAME - 14

PLOT DATE : 7/26/2023 3:17 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

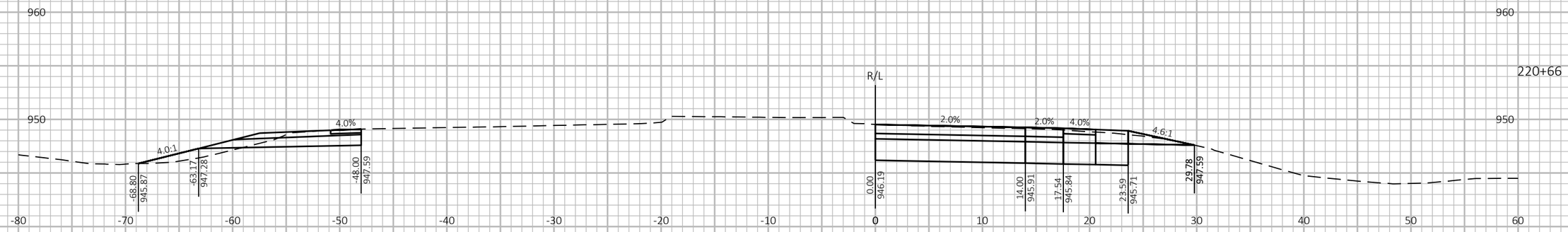
WISDOT/CADDS SHEET 49

LEGEND

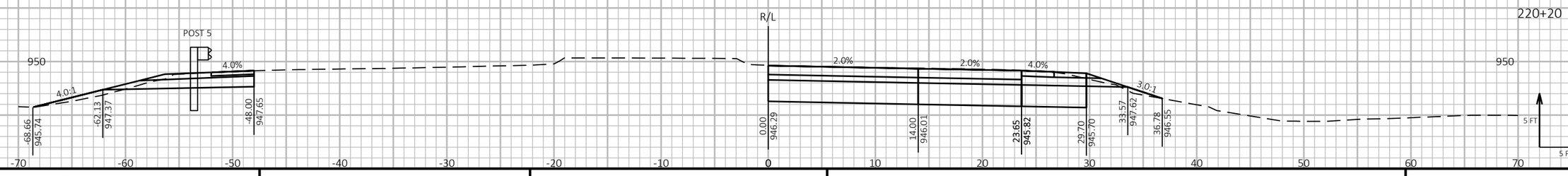
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG CTH S EB - 'EB' ALIGNMENT







PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - CTH S	SHEET 1152	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090221-XS.DWG
LAYOUT NAME - 15

PLOT DATE : 7/26/2023 3:18 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

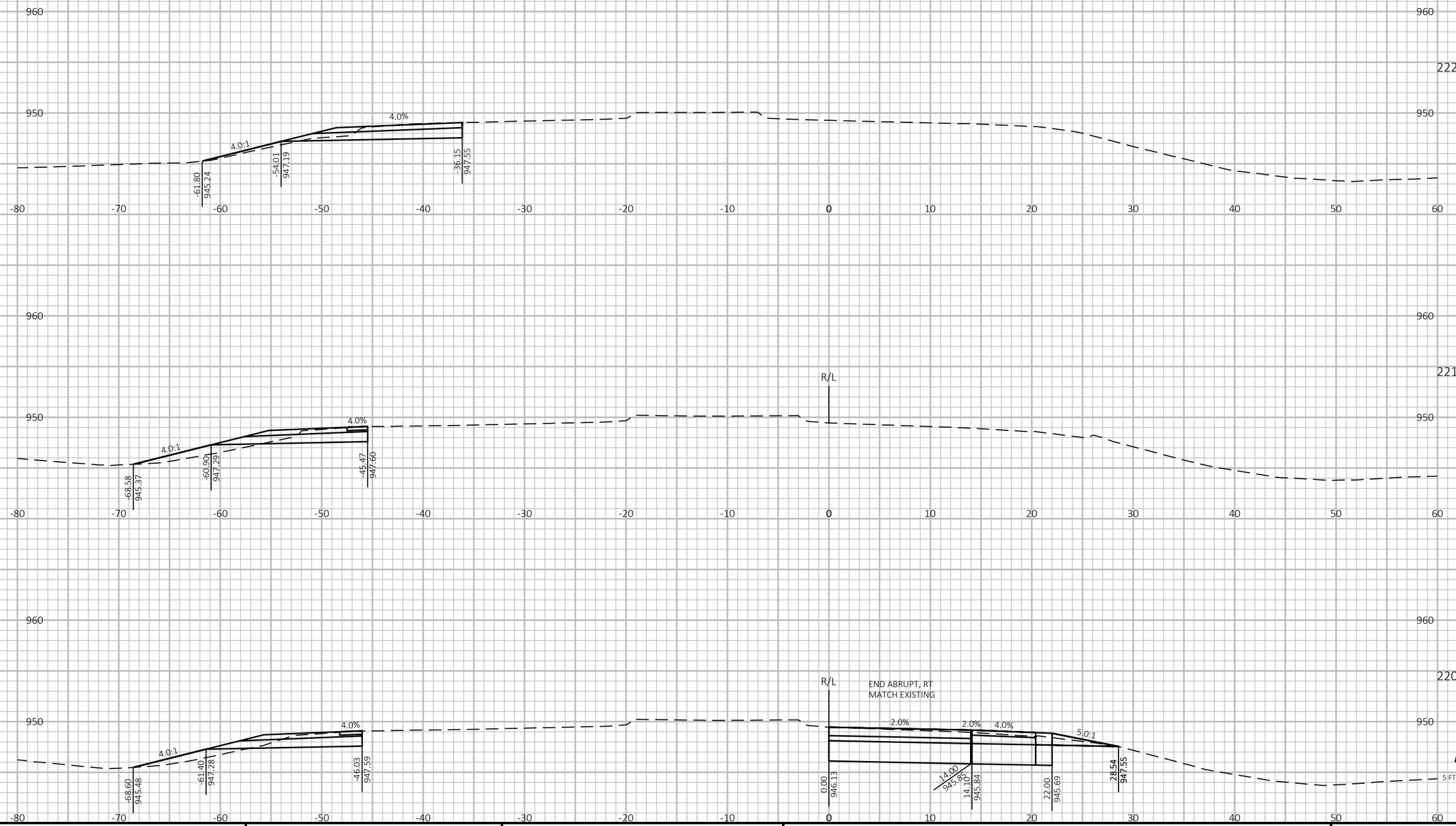
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG CTH S EB - 'EB' ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - CTH S	SHEET 1153	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090221-XS.DWG
LAYOUT NAME - 16

PLOT DATE : 7/26/2023 3:18 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

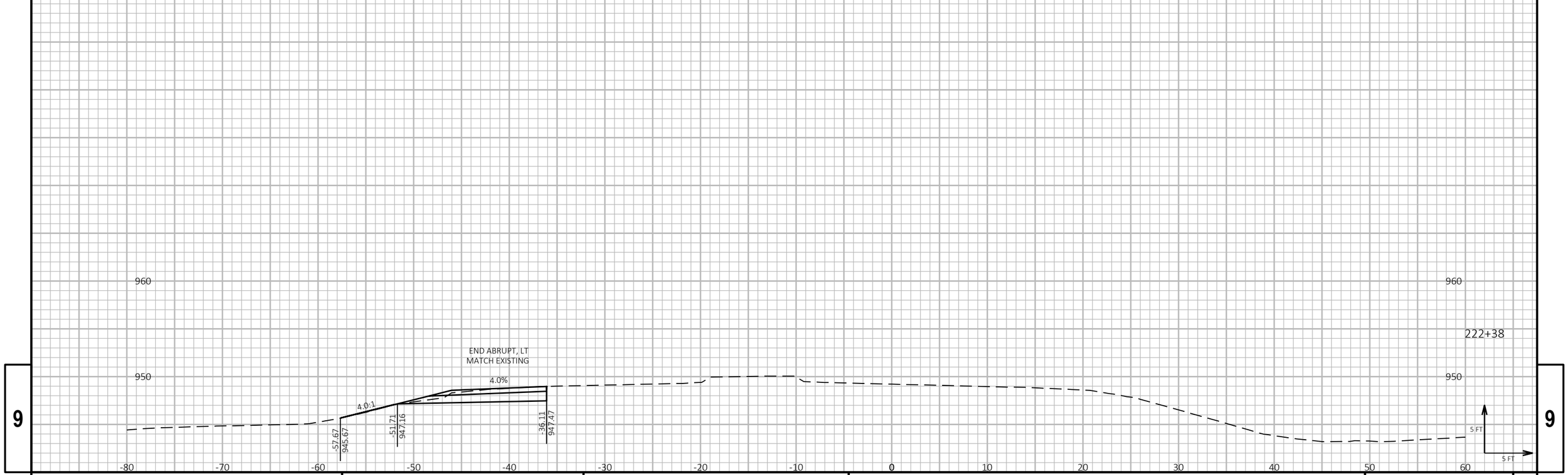
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG CTH S EB - 'EB' ALIGNMENT



9

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - CTH S	SHEET 1154	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090221-XS.DWG
LAYOUT NAME - 17

PLOT DATE : 7/26/2023 3:18 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

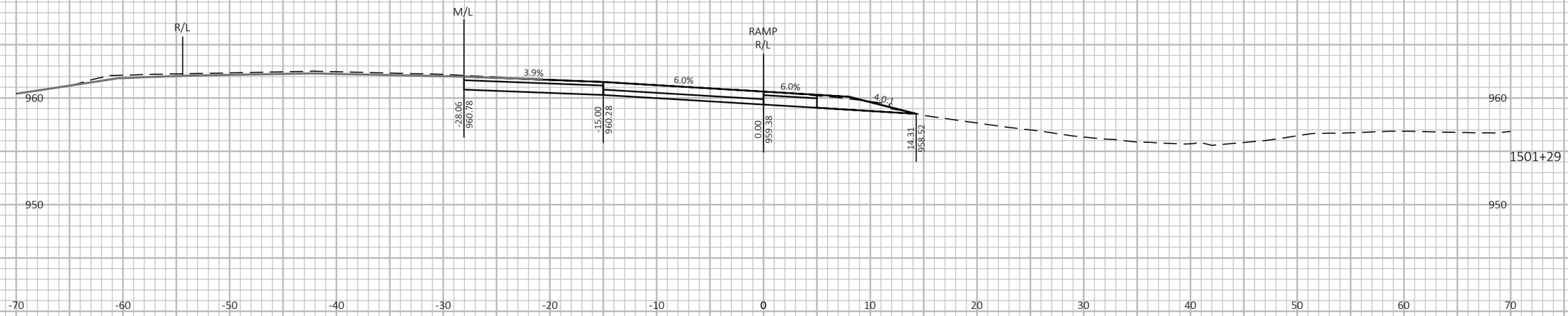
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

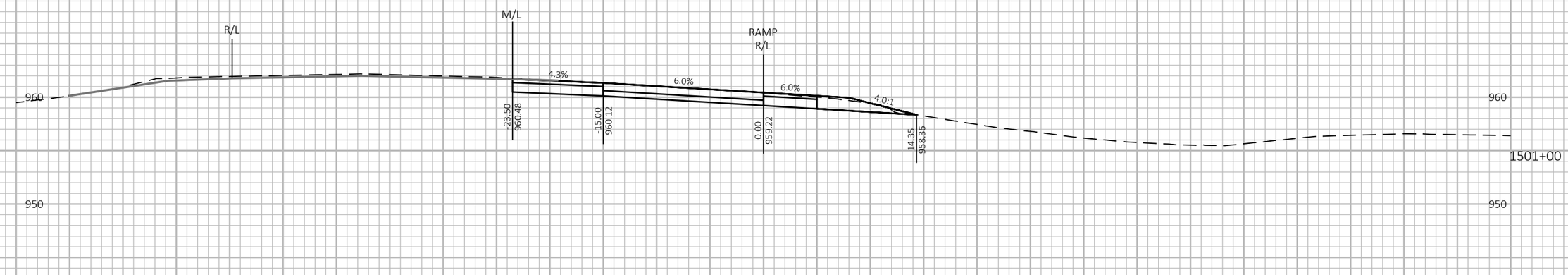
LEGEND

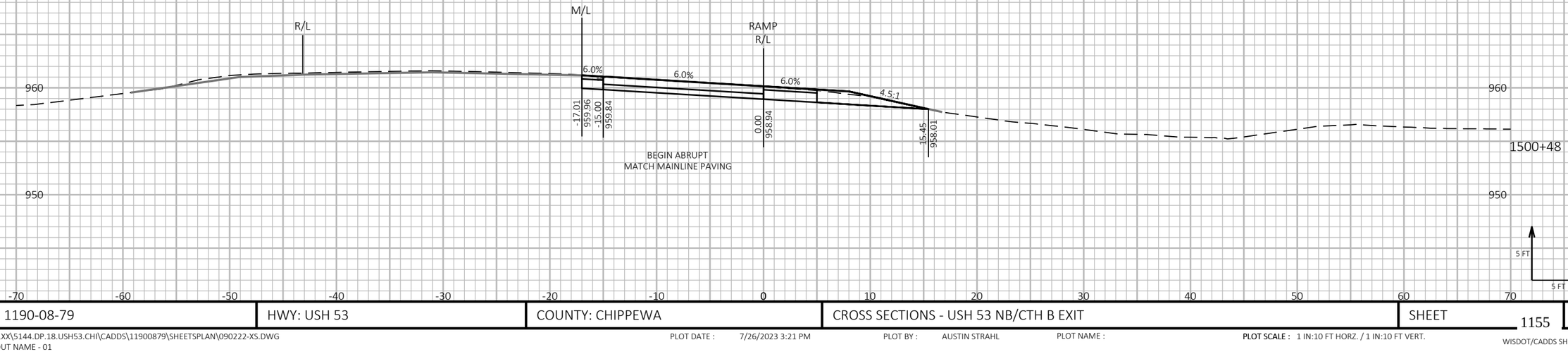
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH B EXIT - 'BA' ALIGNMENT







-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH B EXIT	SHEET 1155	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090222-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 3:21 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

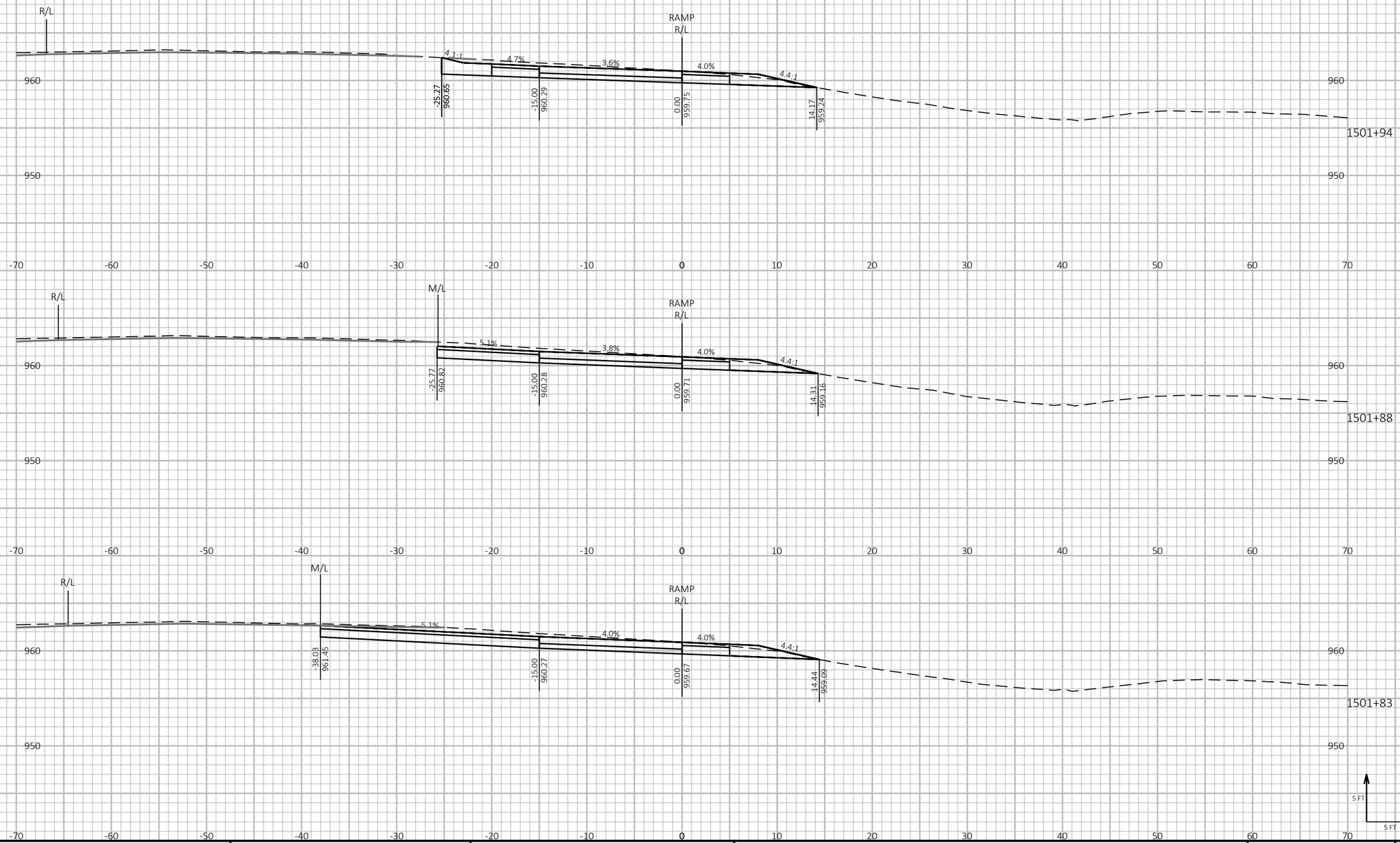
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH B EXIT - 'BA' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH B EXIT	SHEET 1156	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090222-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/26/2023 3:22 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

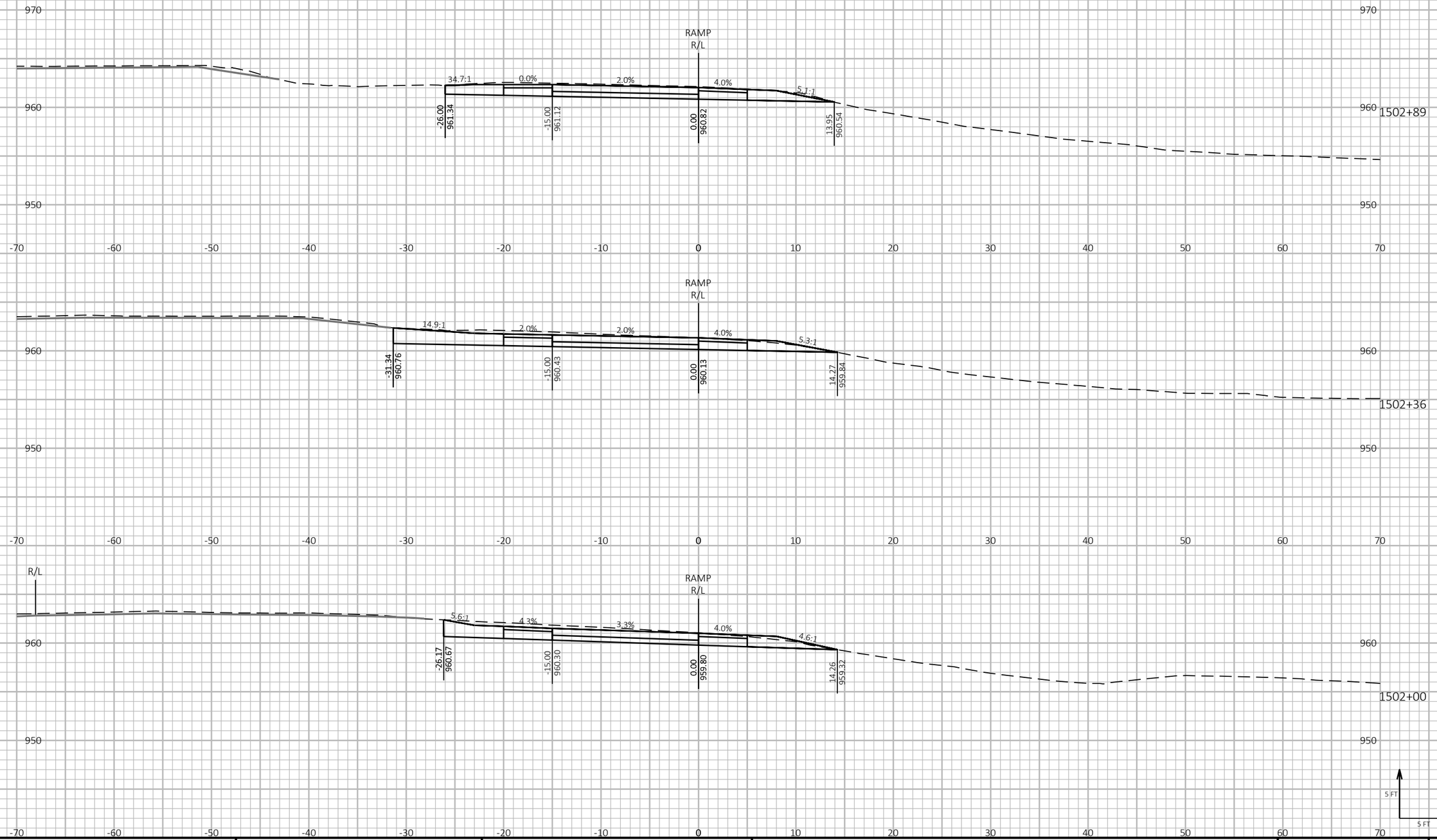
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH B EXIT - 'BA' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH B EXIT	SHEET 1157	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090222-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/26/2023 3:22 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

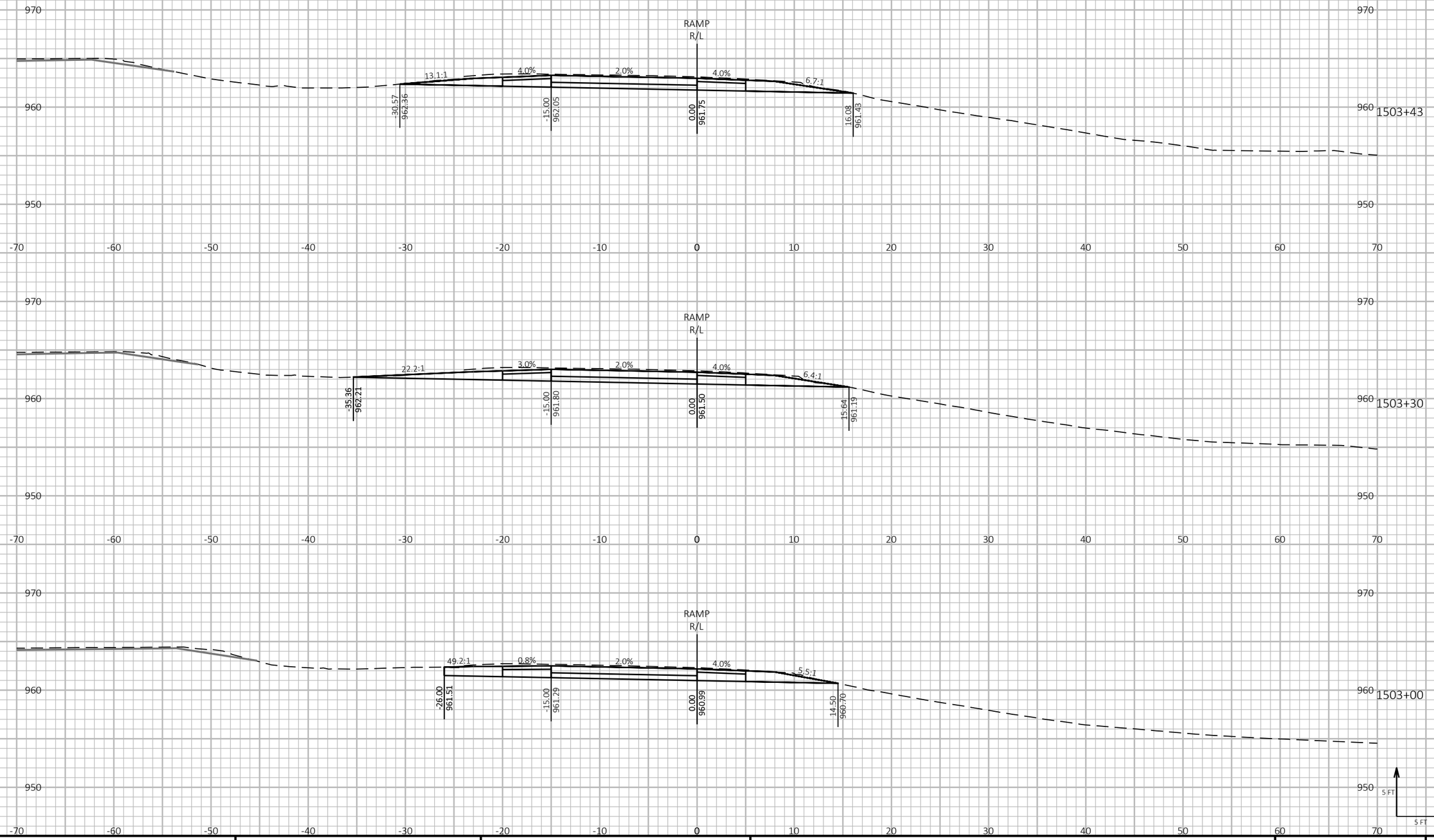
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH B EXIT - 'BA' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH B EXIT	SHEET 1158	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090222-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 7/26/2023 3:22 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

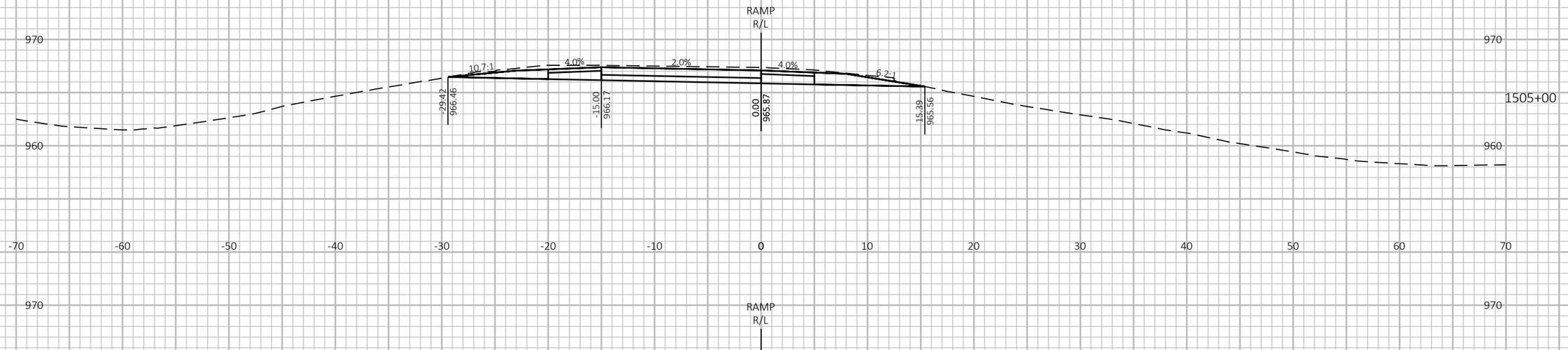
WISDOT/CADDS SHEET 49

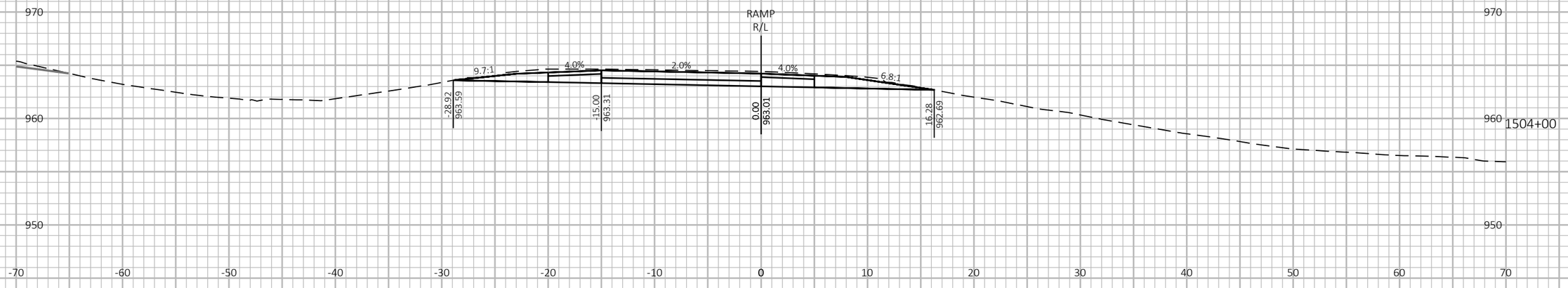
LEGEND

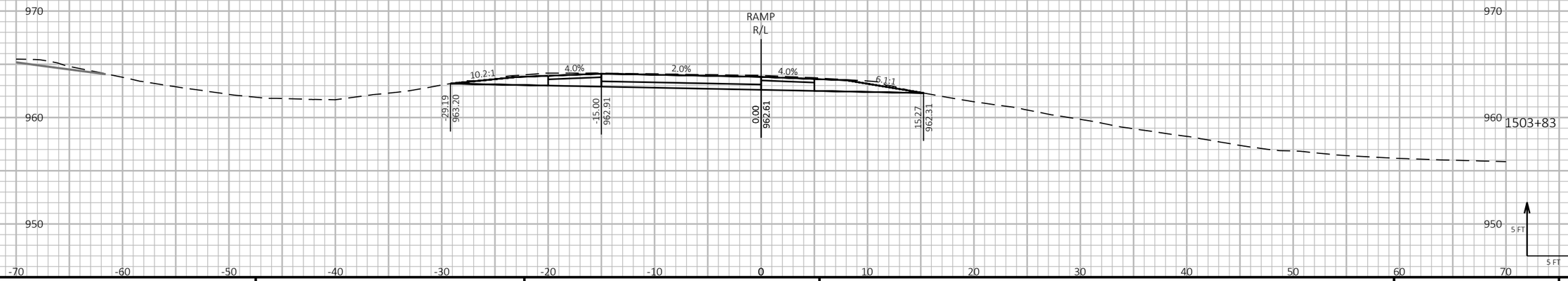
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH B EXIT - 'BA' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH B EXIT	SHEET 1159	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090222-XS.DWG
LAYOUT NAME - 05

PLOT DATE : 7/26/2023 3:22 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

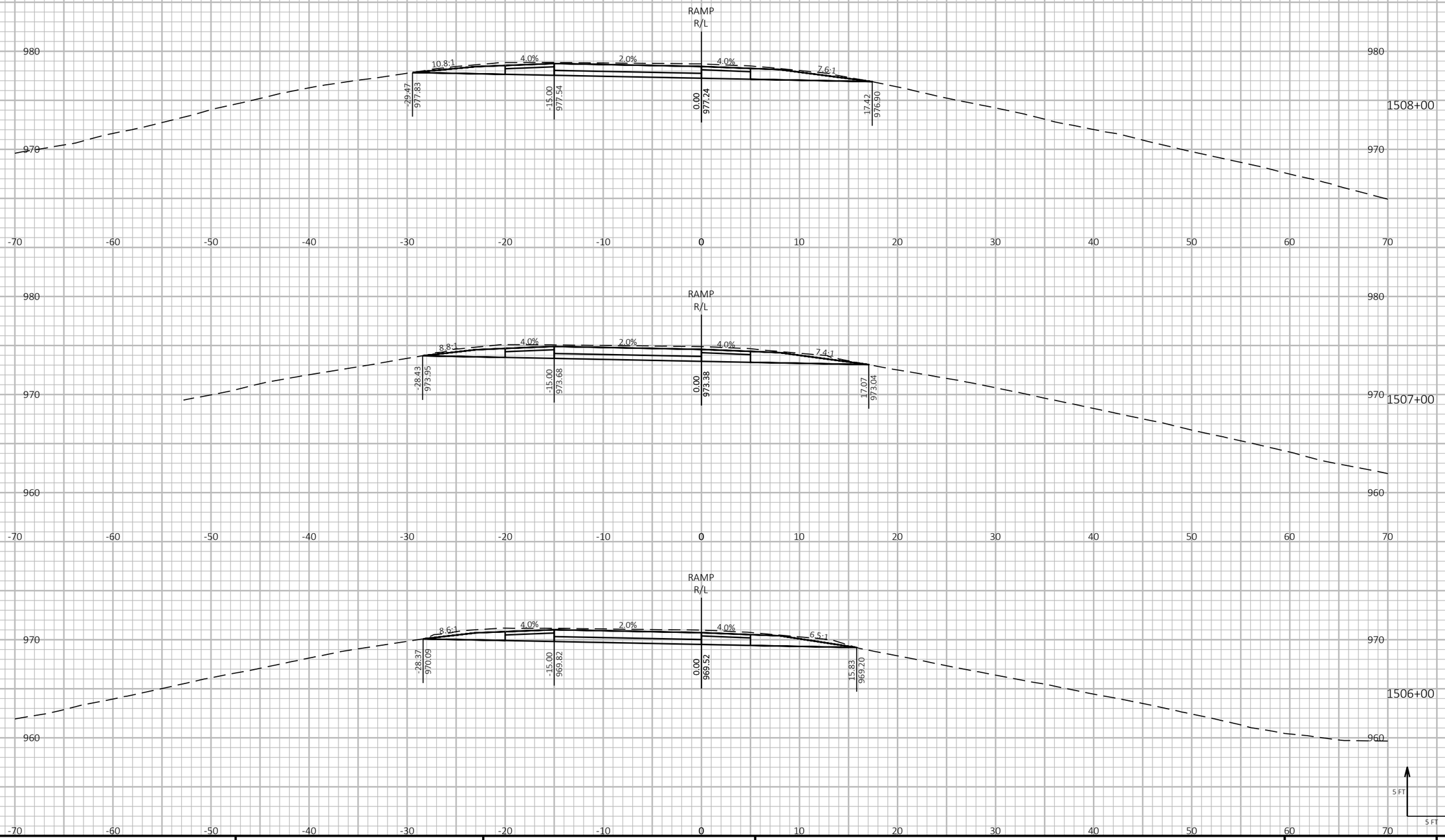
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH B EXIT - 'BA' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH B EXIT	SHEET 1160 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090222-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/26/2023 3:22 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

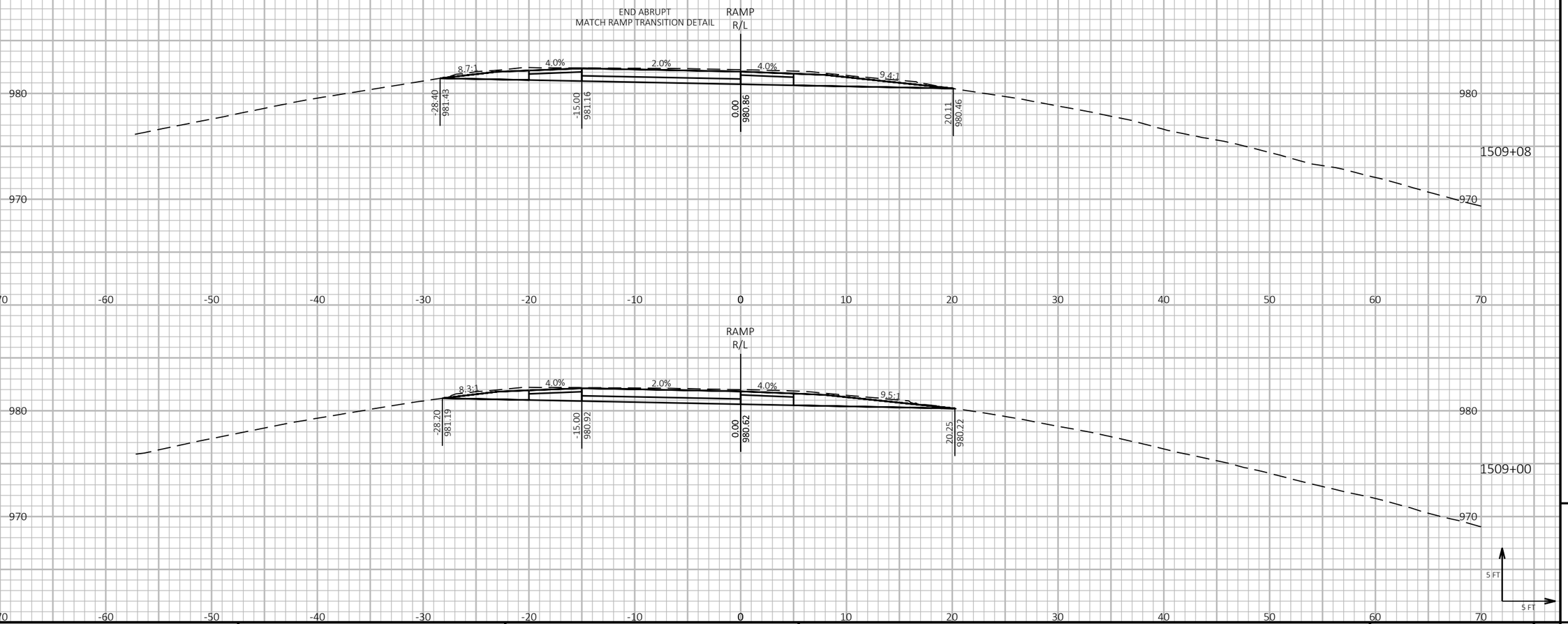
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH B EXIT - 'BA' ALIGNMENT



9

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH B EXIT	SHEET 1161	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090222-XS.DWG
LAYOUT NAME - 07

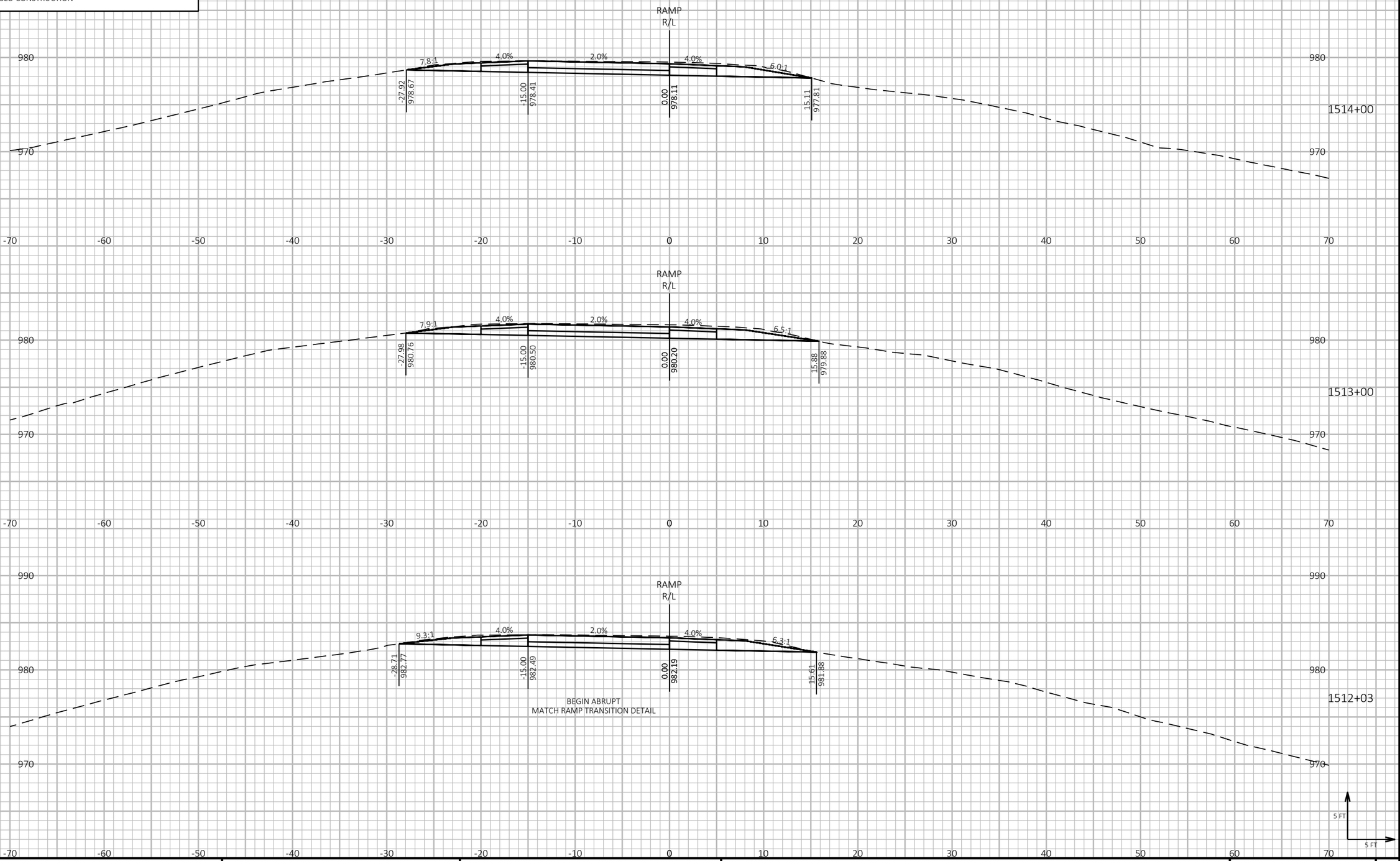
PLOT DATE : 7/26/2023 3:22 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH B ENTRANCE - 'BB' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH B ENTRANCE	SHEET 1162	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090223-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 3:28 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

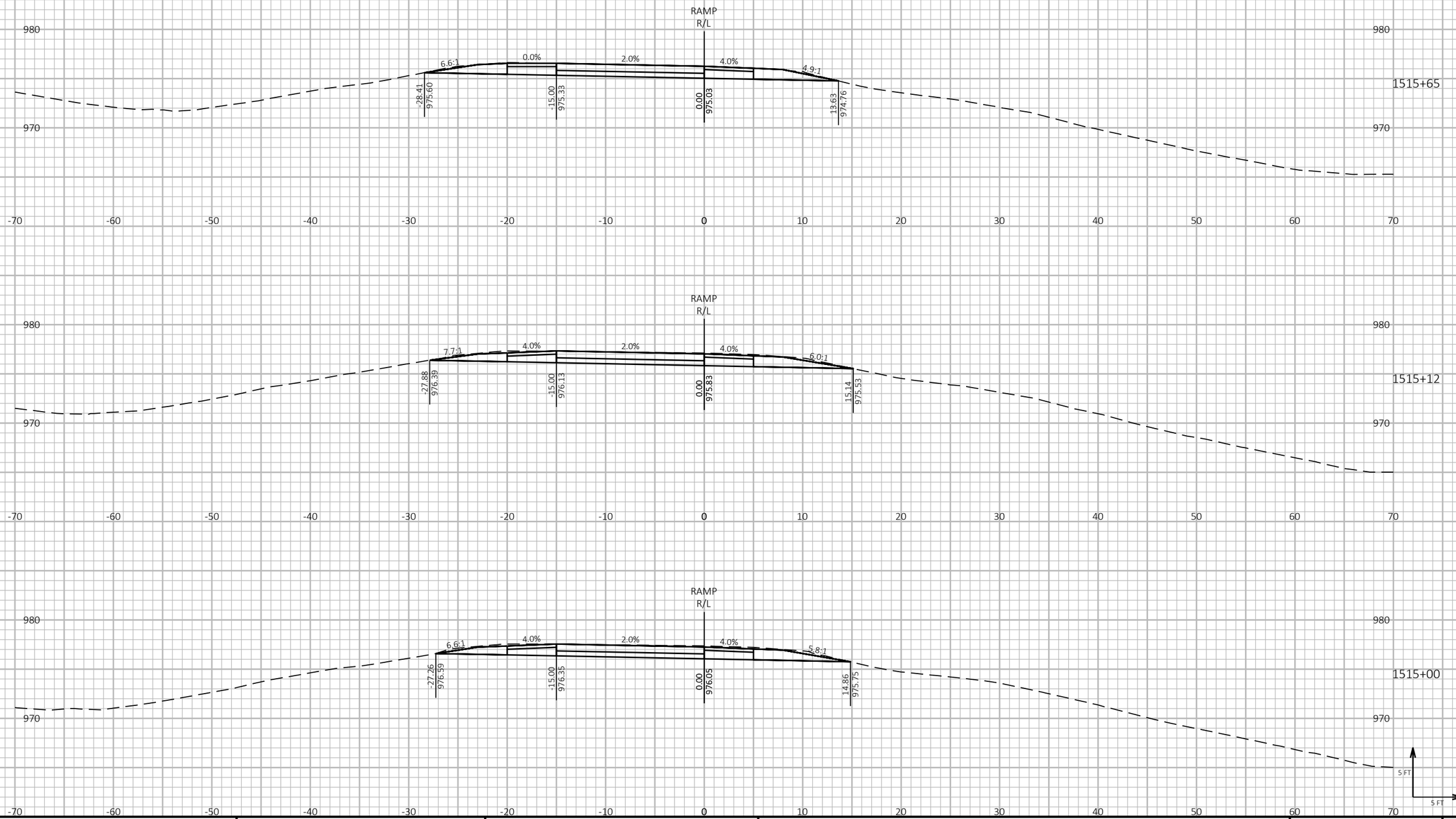
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH B ENTRANCE - 'BB' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH B ENTRANCE	SHEET 1163 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090223-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/26/2023 3:28 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

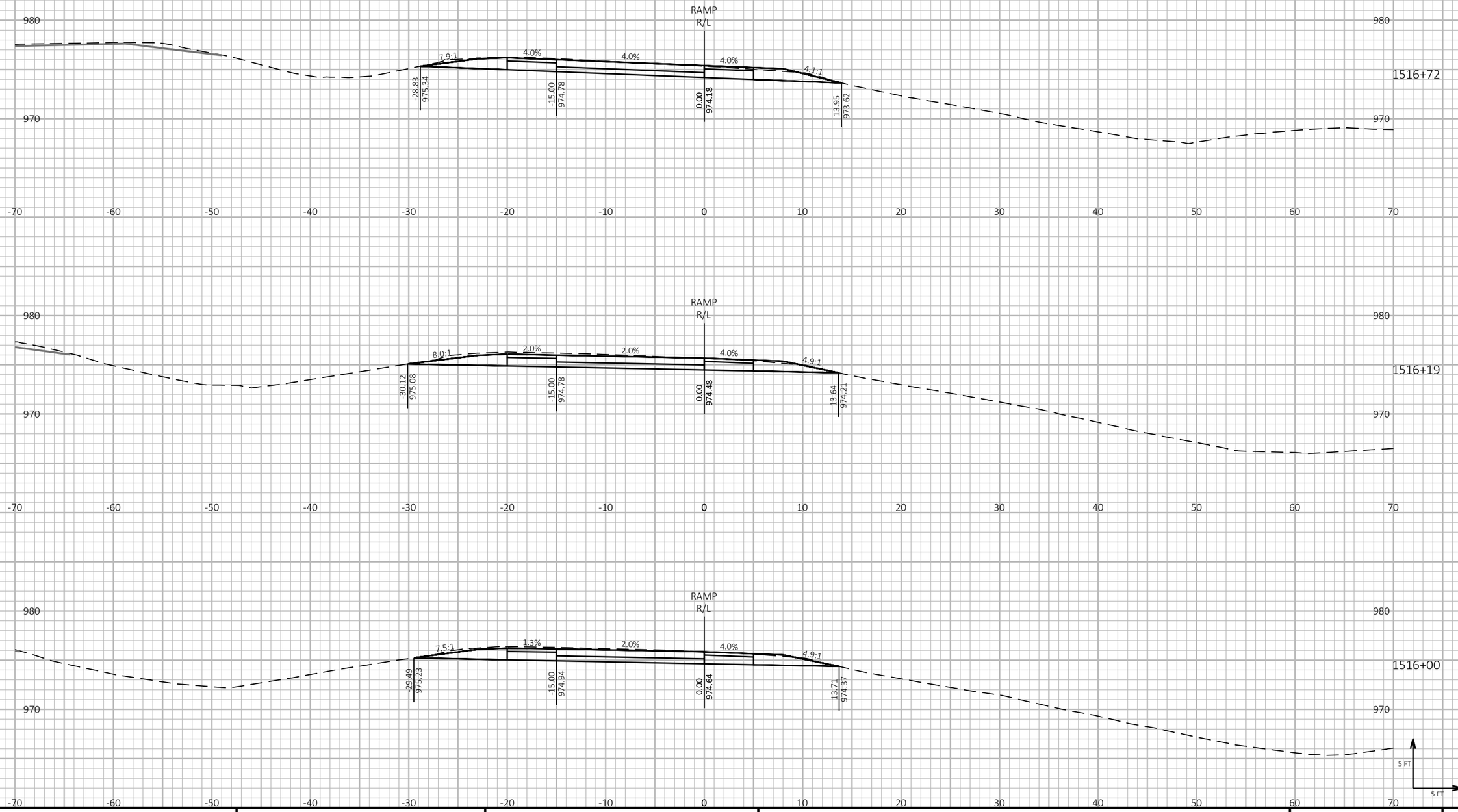
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH B ENTRANCE - 'BB' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH B ENTRANCE	SHEET 1164 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090223-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/26/2023 3:28 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

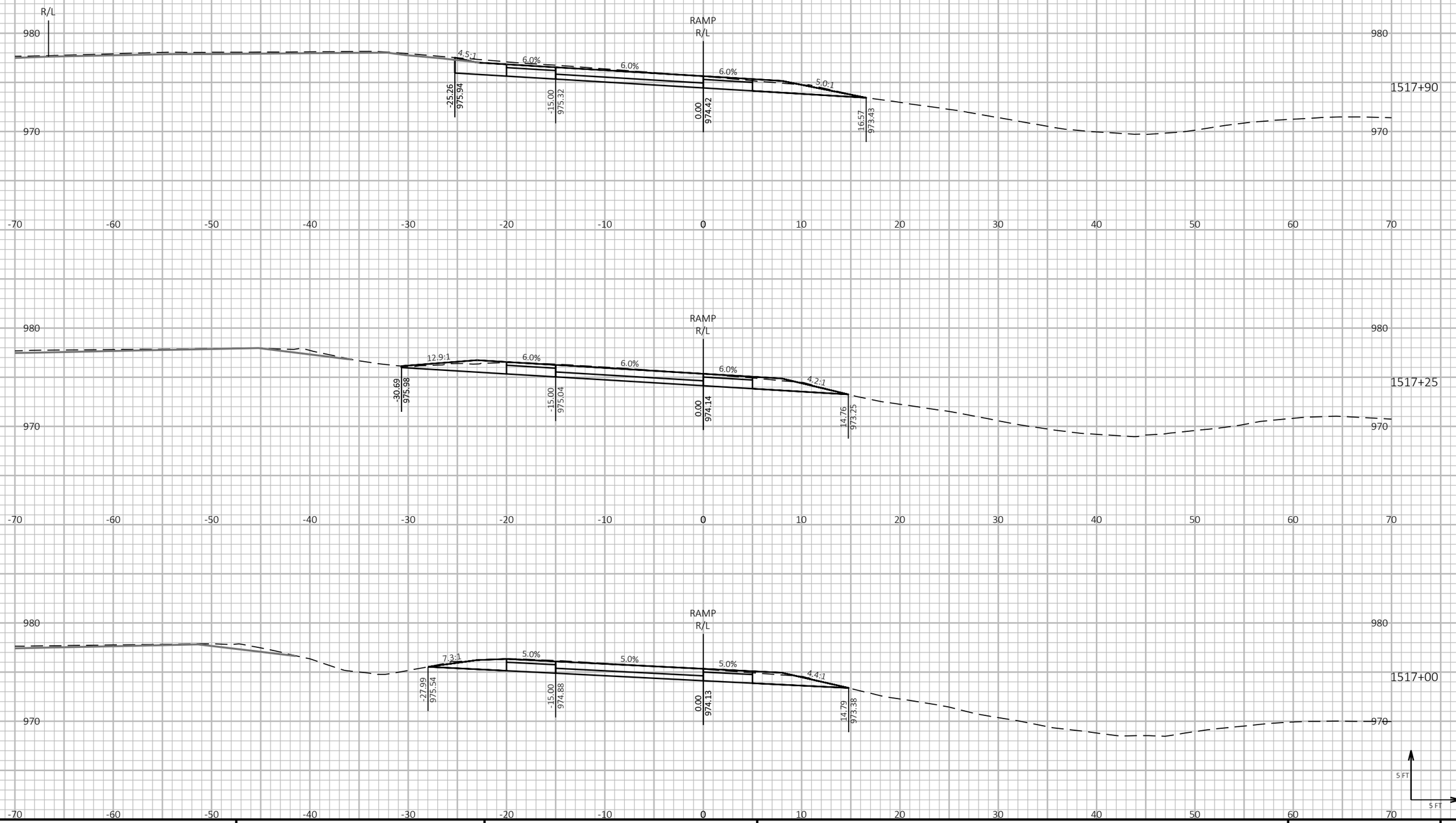
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH B ENTRANCE - 'BB' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH B ENTRANCE	SHEET 1165	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090223-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 7/26/2023 3:28 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

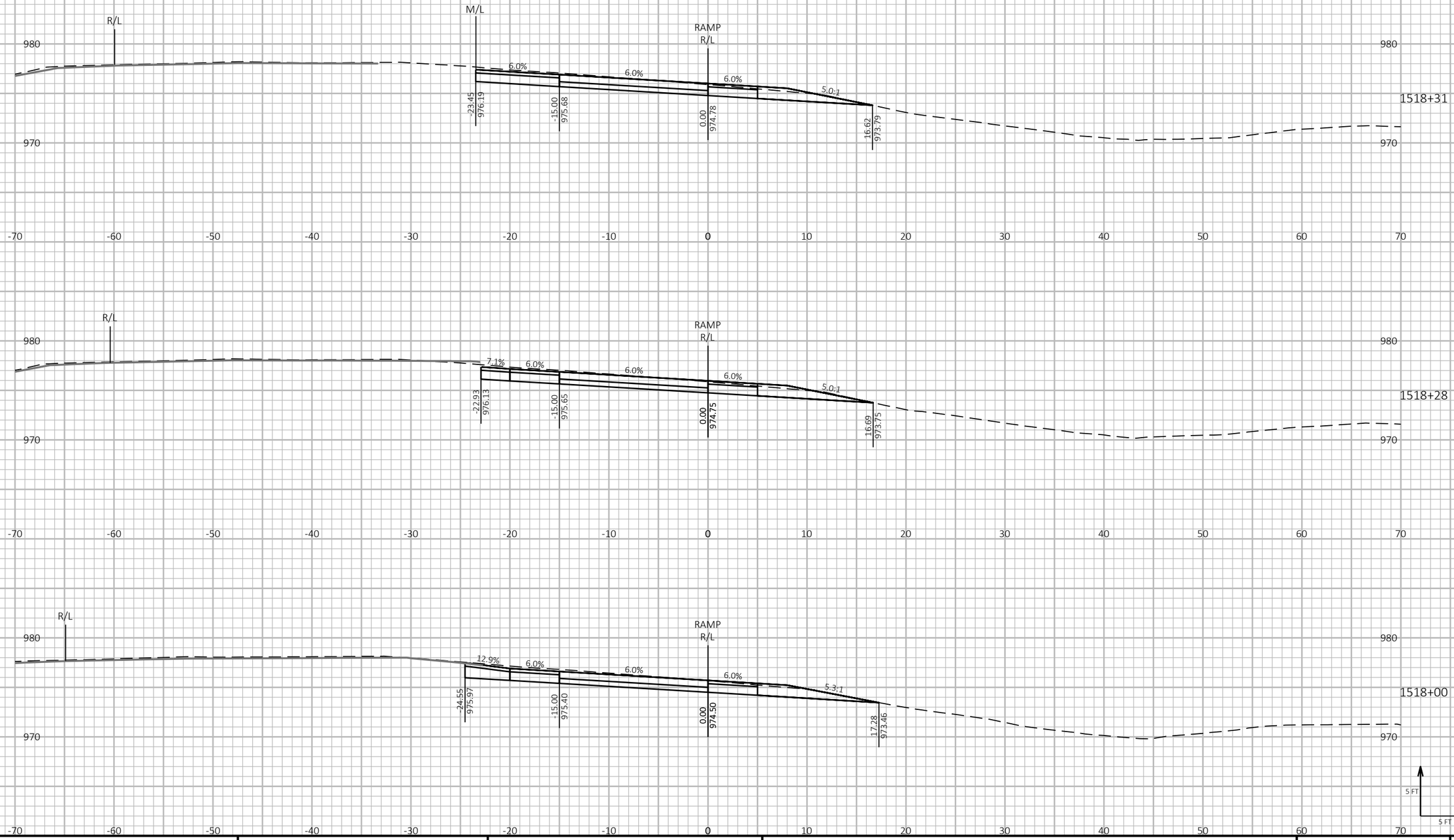
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH B ENTRANCE - 'BB' ALIGNMENT



9

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH B ENTRANCE	SHEET 1166 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090223-XS.DWG
LAYOUT NAME - 05

PLOT DATE : 7/26/2023 3:28 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

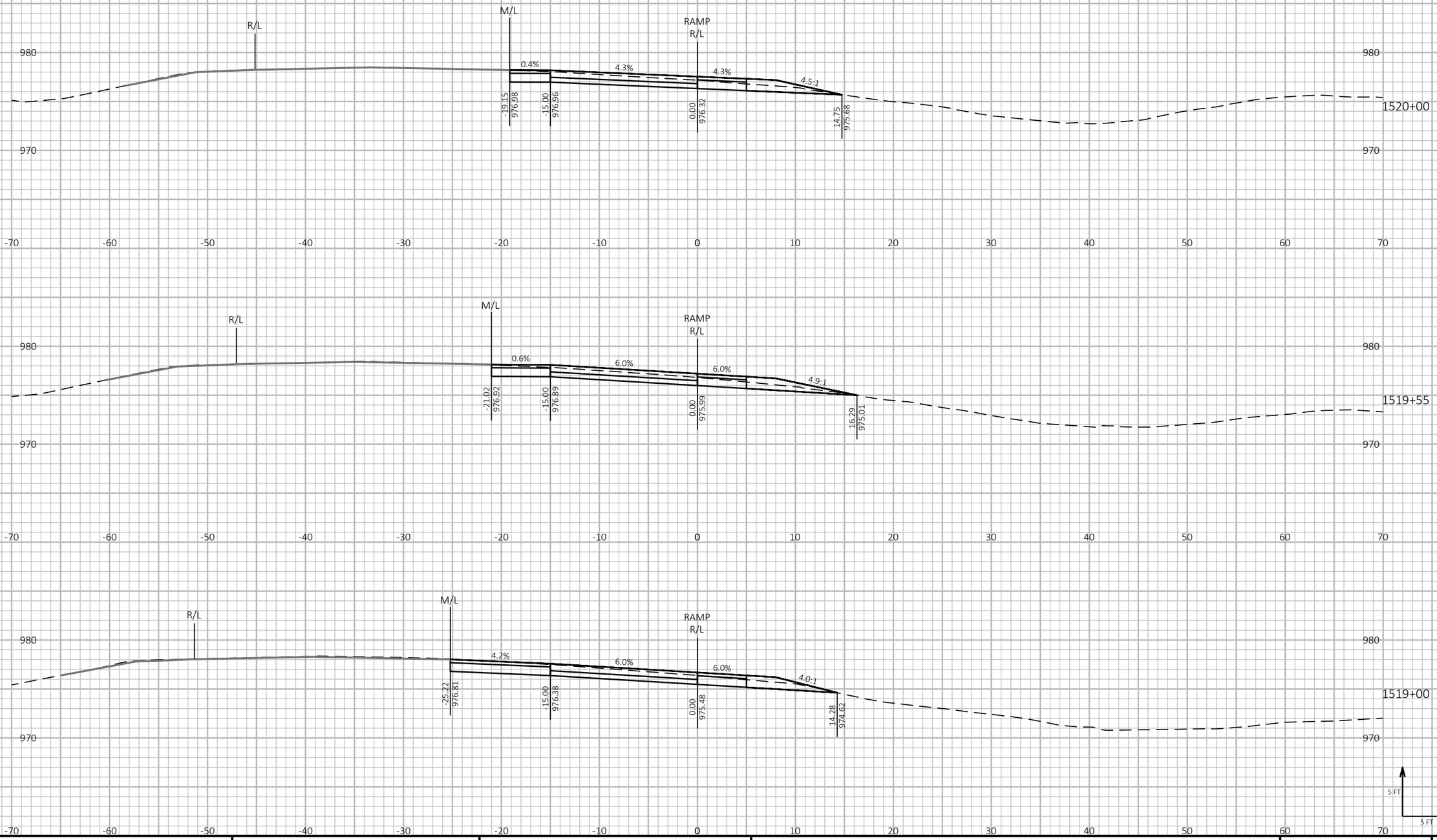
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH B ENTRANCE - 'BB' ALIGNMENT



9

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH B ENTRANCE	SHEET 1167	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090223-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/26/2023 3:29 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

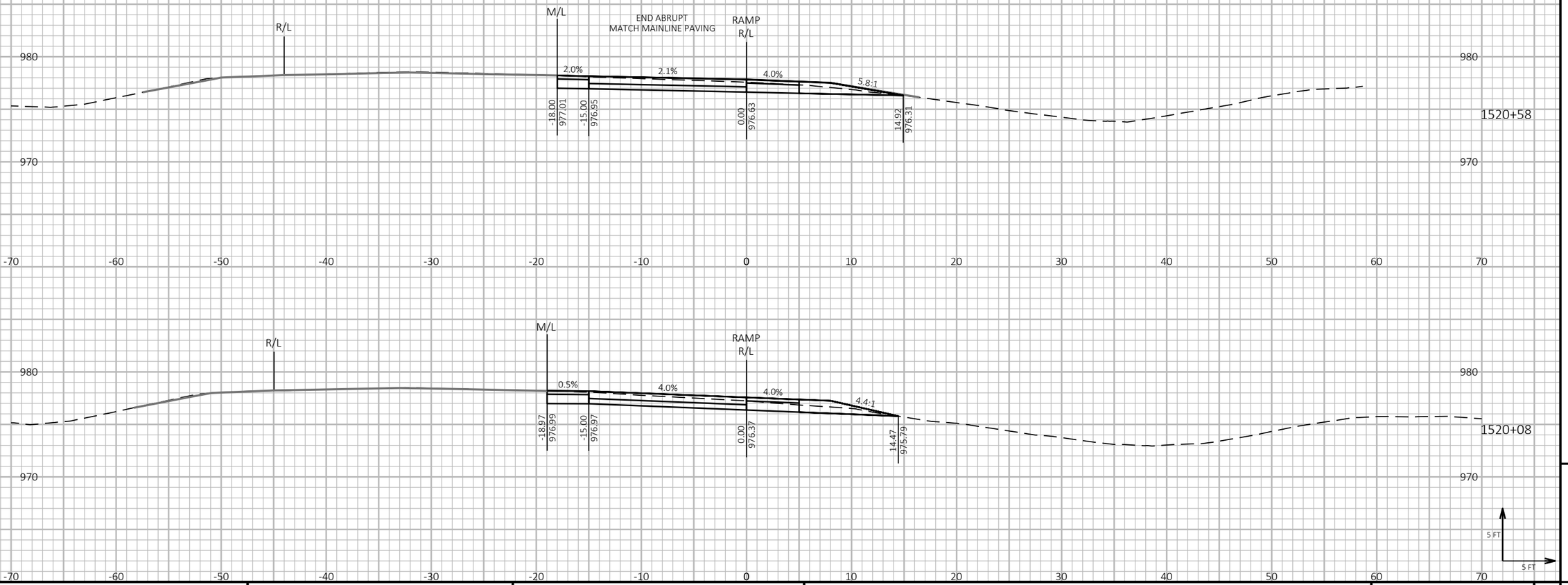
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 NB/CTH B ENTRANCE - 'BB' ALIGNMENT



9

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 NB/CTH B ENTRANCE	SHEET 1168	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090223-XS.DWG
LAYOUT NAME - 07

PLOT DATE : 7/26/2023 3:29 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH B EXIT - 'BC' ALIGNMENT

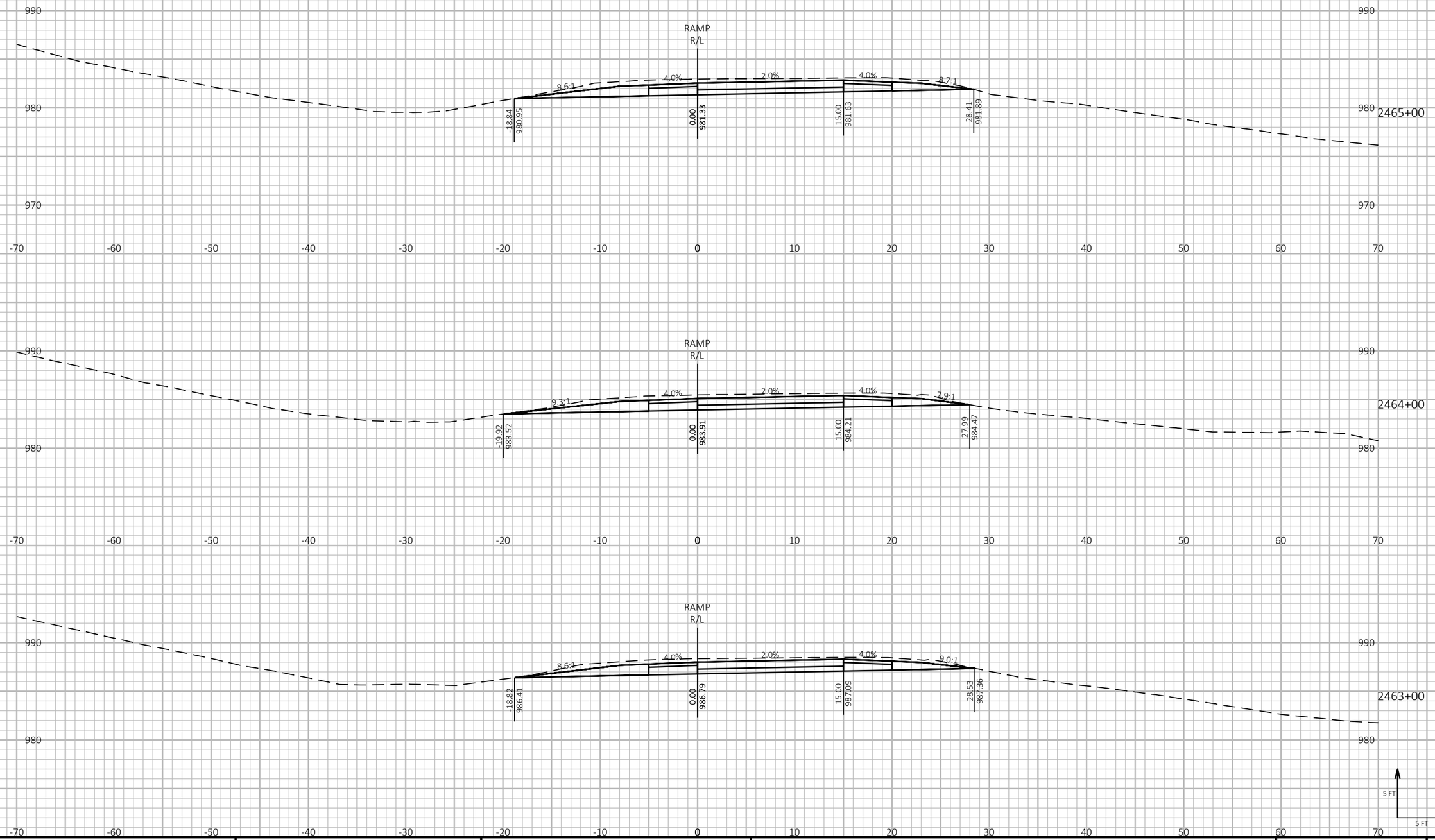
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH B EXIT	SHEET 1169	E

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH B EXIT - 'BC' ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH B EXIT	SHEET 1170	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090224-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/26/2023 3:31 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

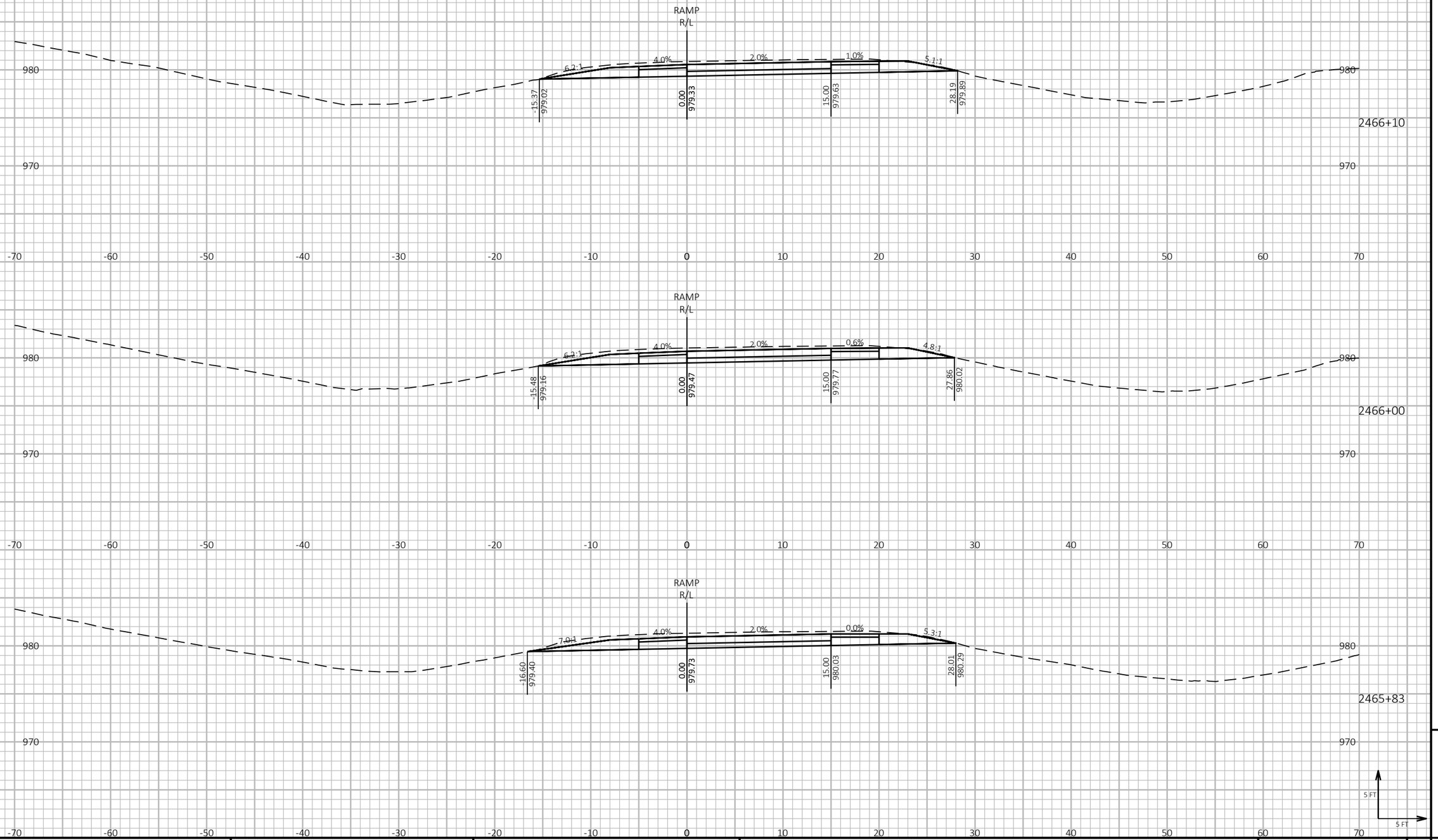
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH B EXIT - 'BC' ALIGNMENT



9

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH B EXIT	SHEET 1171	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090224-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/26/2023 3:31 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

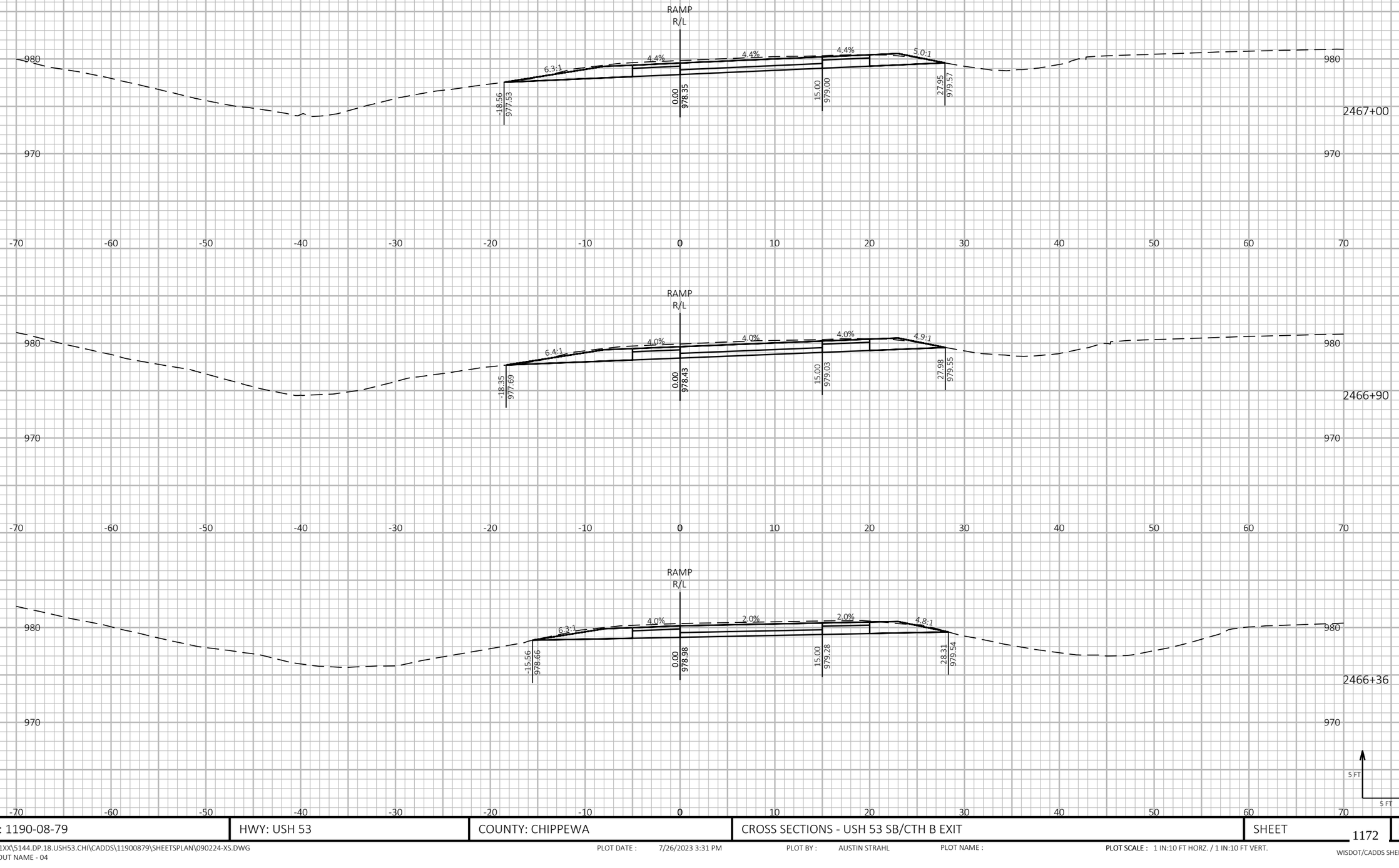
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH B EXIT - 'BC' ALIGNMENT



9

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH B EXIT	SHEET 1172	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090224-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 7/26/2023 3:31 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

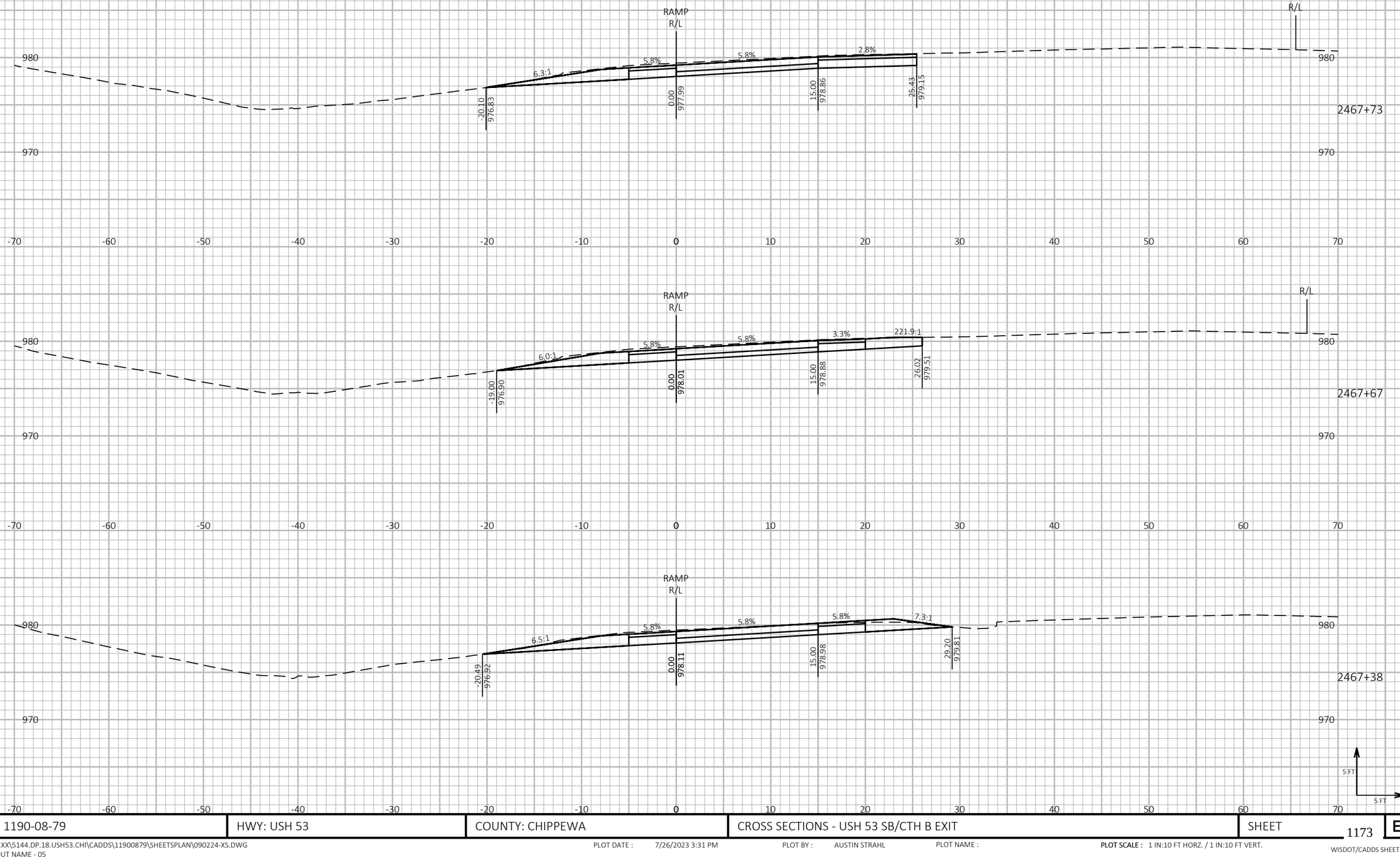
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH B EXIT - 'BC' ALIGNMENT



9

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH B EXIT	SHEET 1173	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090224-XS.DWG
LAYOUT NAME - 05

PLOT DATE : 7/26/2023 3:31 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

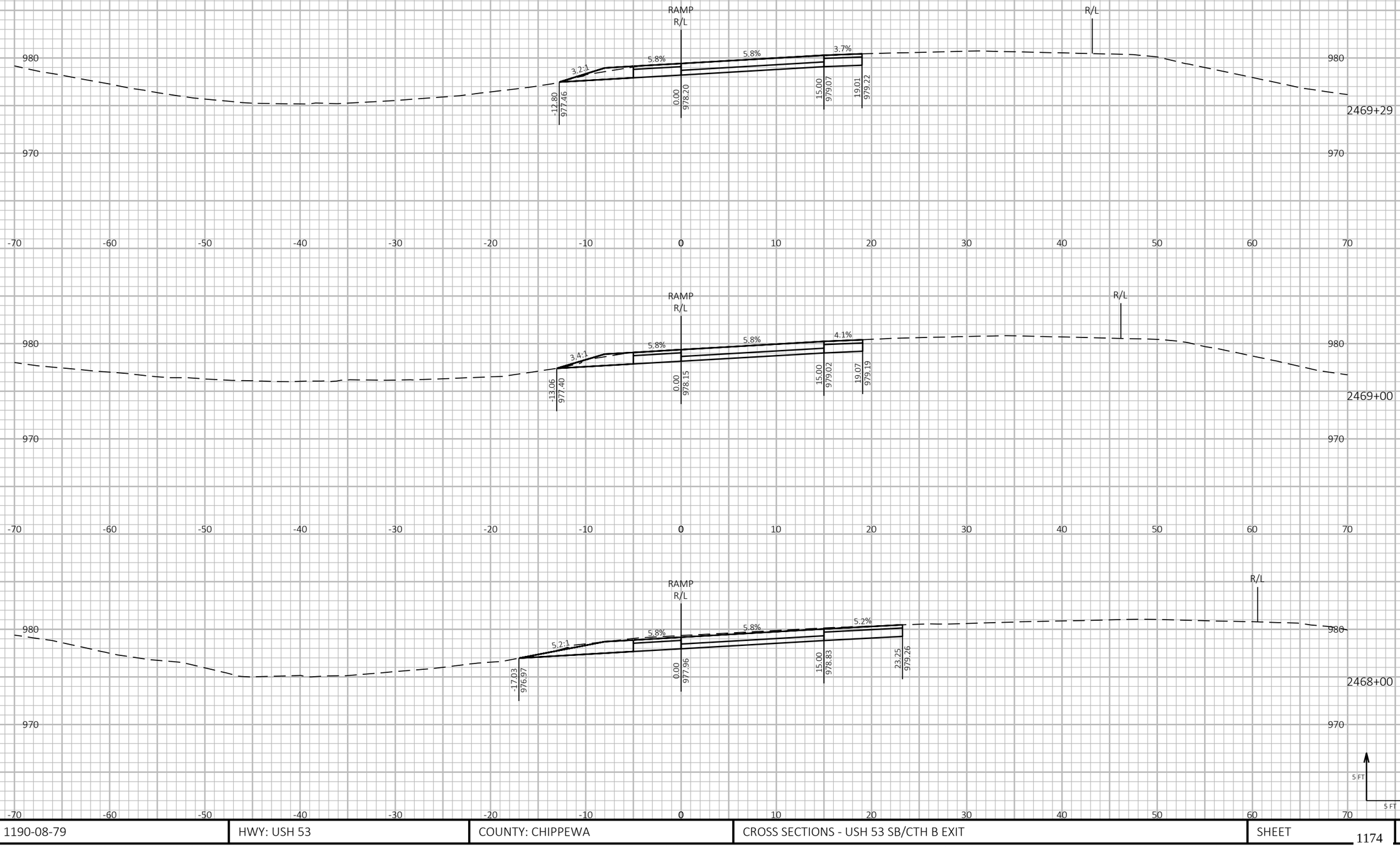
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH B EXIT - 'BC' ALIGNMENT



9

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH B EXIT	SHEET 1174	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090224-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/26/2023 3:31 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

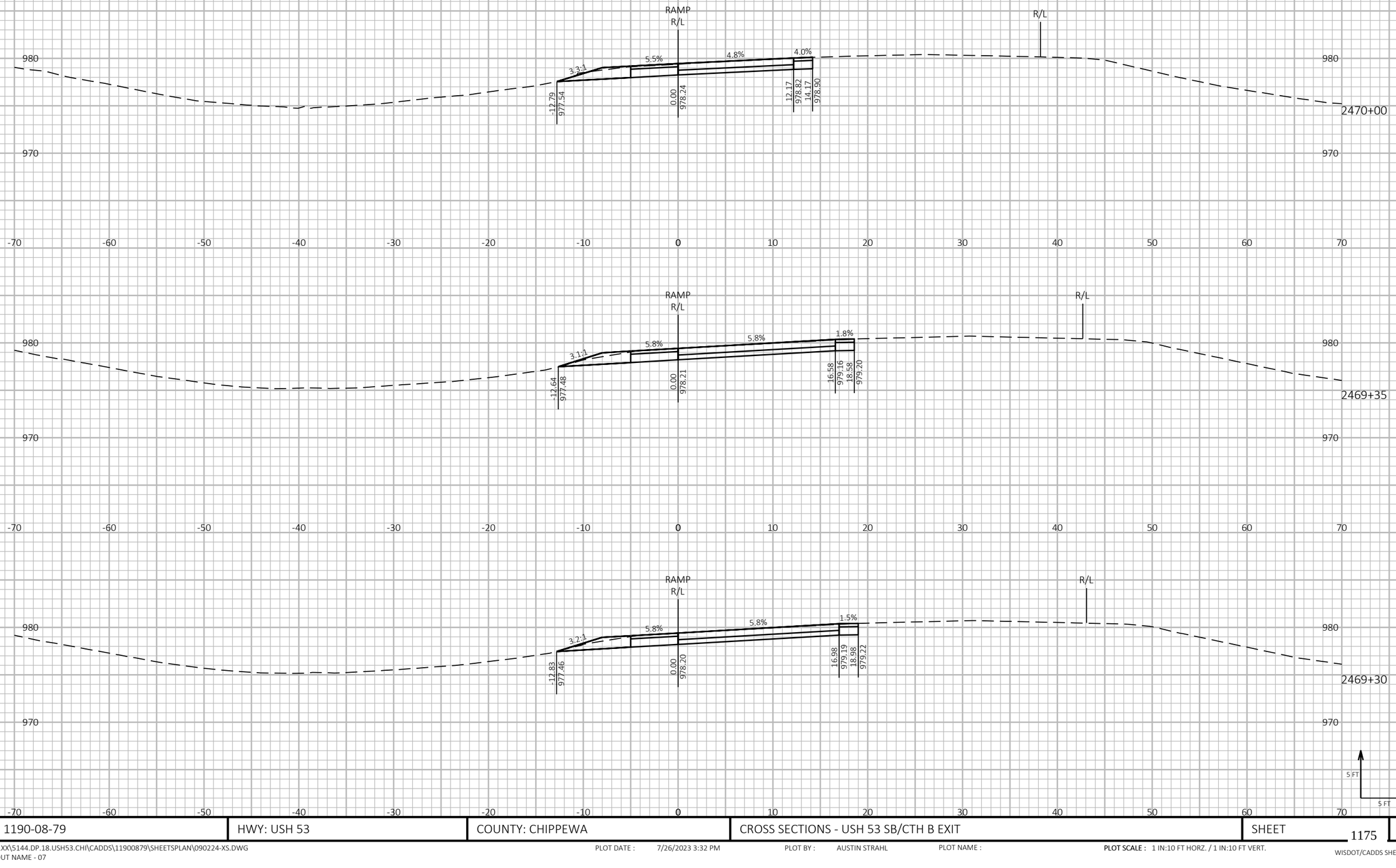
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH B EXIT - 'BC' ALIGNMENT



9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH B EXIT	SHEET 1175	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090224-XS.DWG
LAYOUT NAME - 07

PLOT DATE : 7/26/2023 3:32 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH B EXIT - 'BC' ALIGNMENT

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH B EXIT	SHEET 1176	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090224-XS.DWG
LAYOUT NAME - 08

PLOT DATE : 7/26/2023 3:32 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

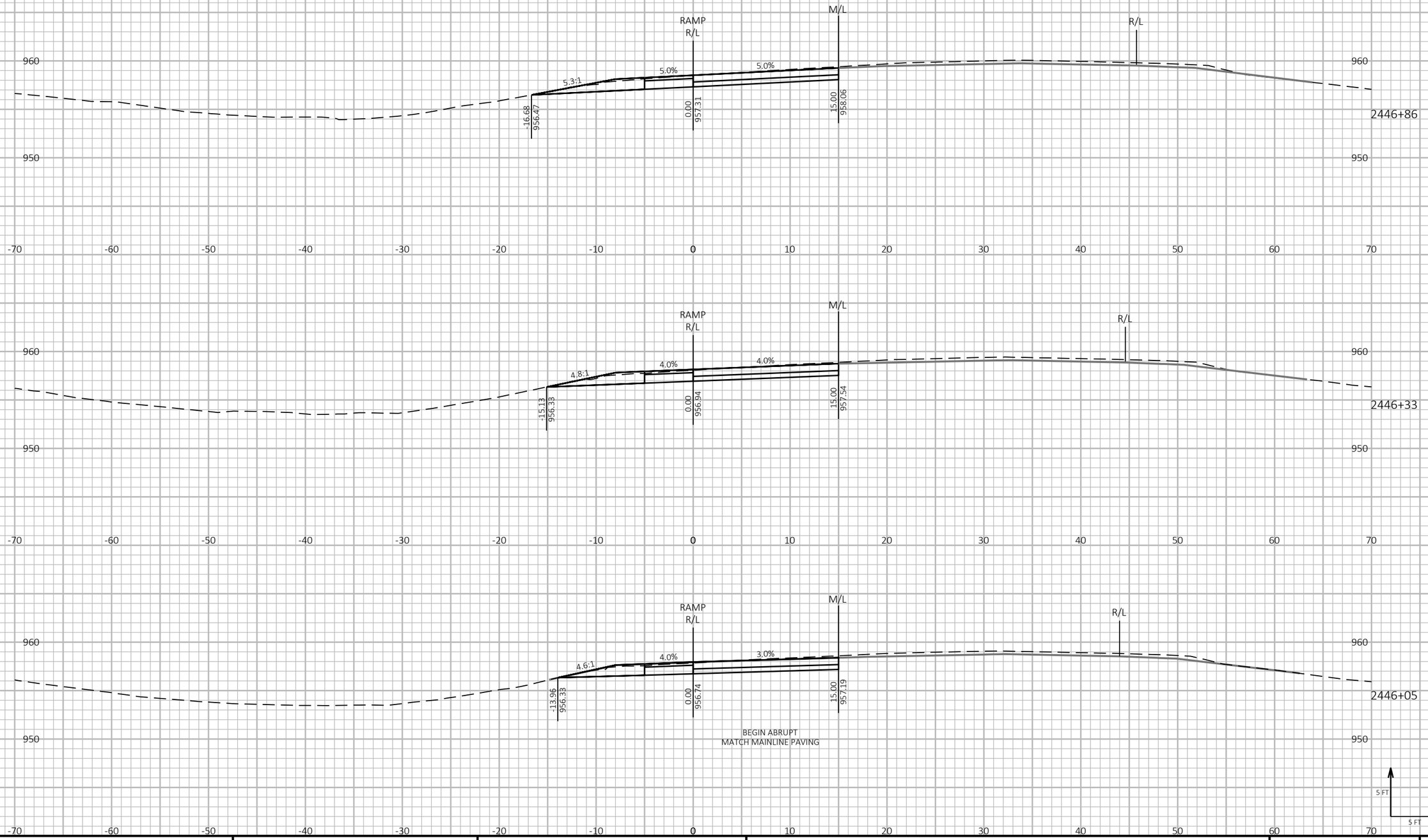
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH B ENTRANCE - 'BD' ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH B ENTRANCE	SHEET 1177	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090225-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 3:35 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

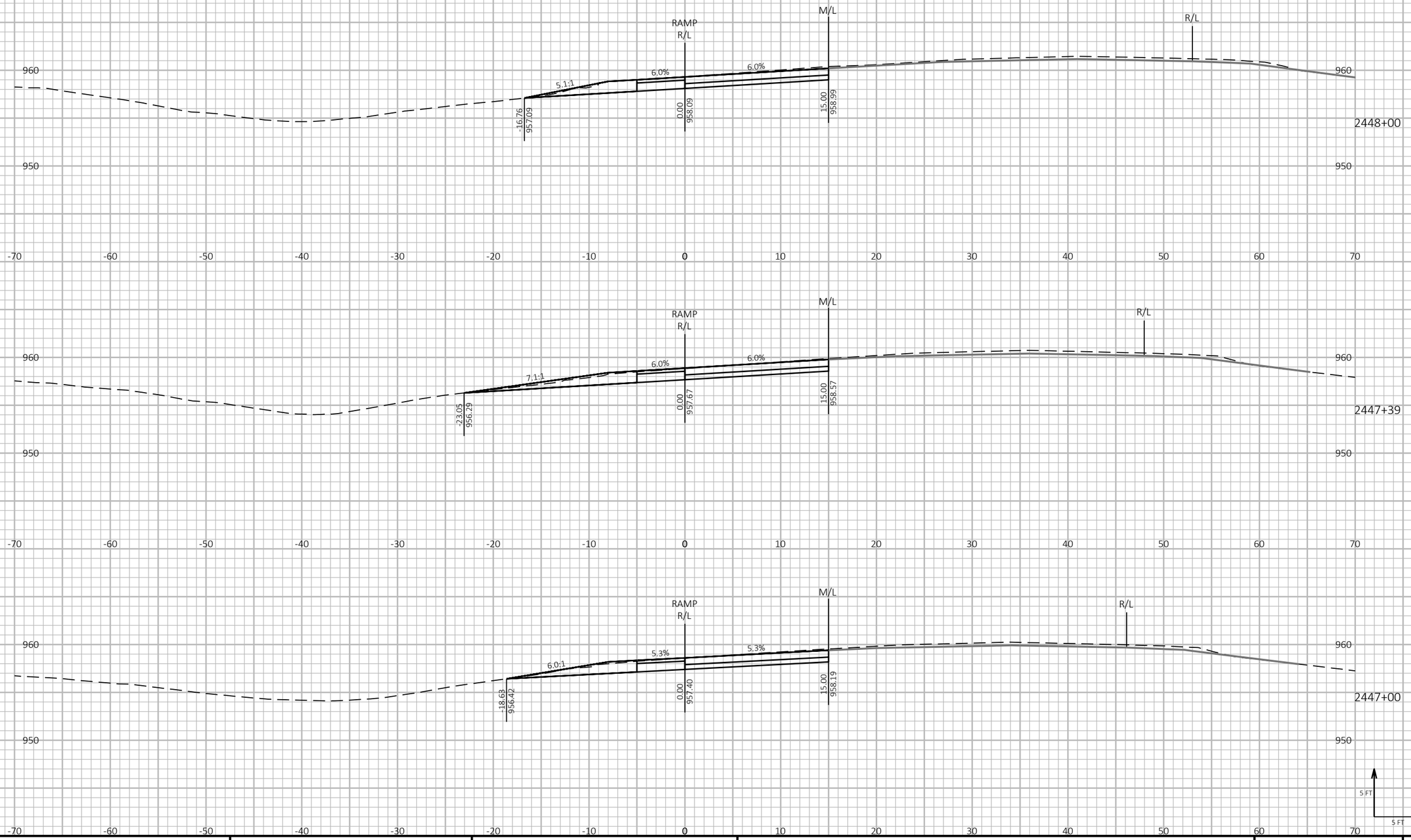
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH B ENTRANCE - 'BD' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH B ENTRANCE	SHEET 1178	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090225-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/26/2023 3:35 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

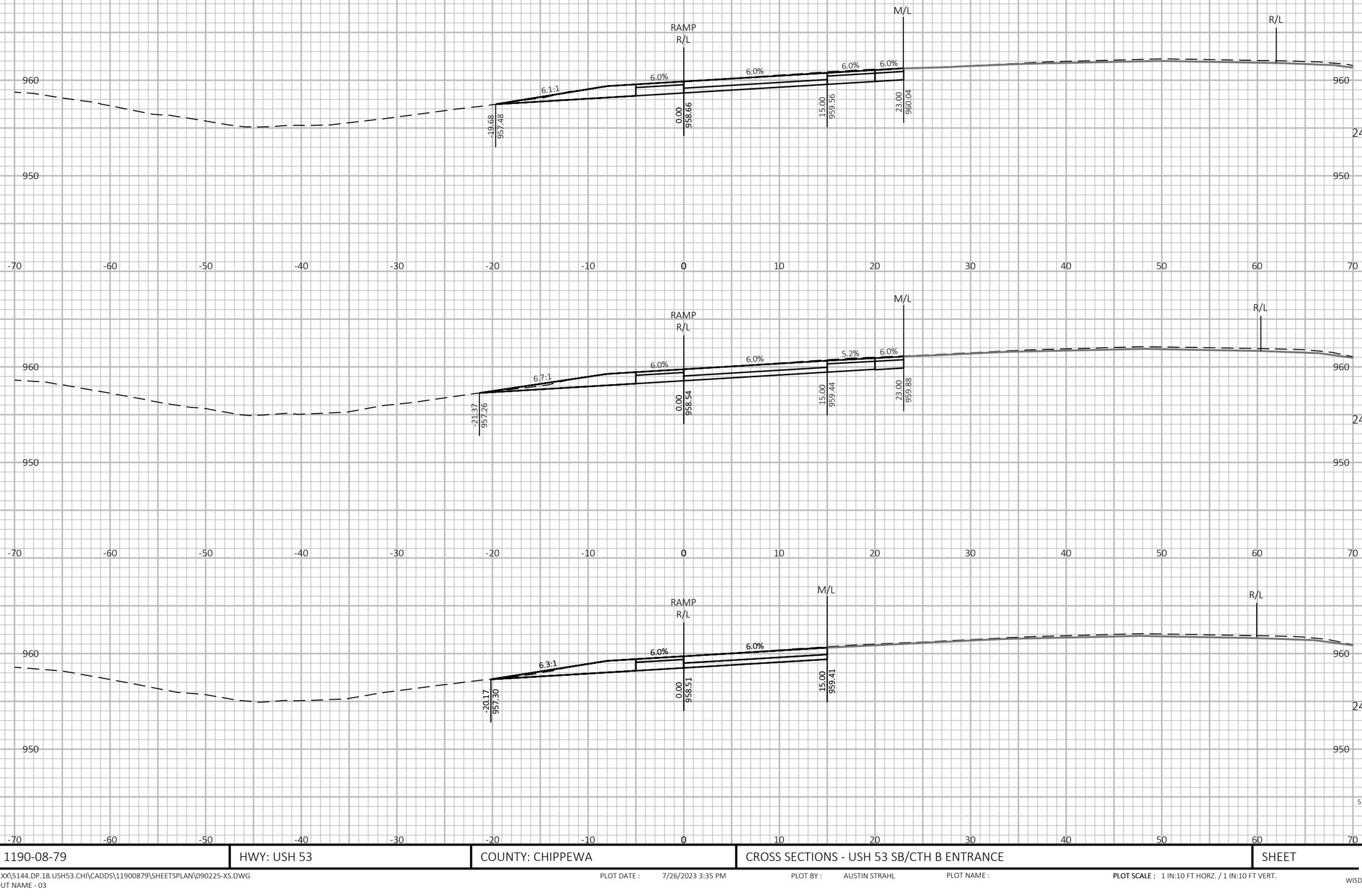
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH B ENTRANCE - 'BD' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH B ENTRANCE	SHEET 1179	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090225-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/26/2023 3:35 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

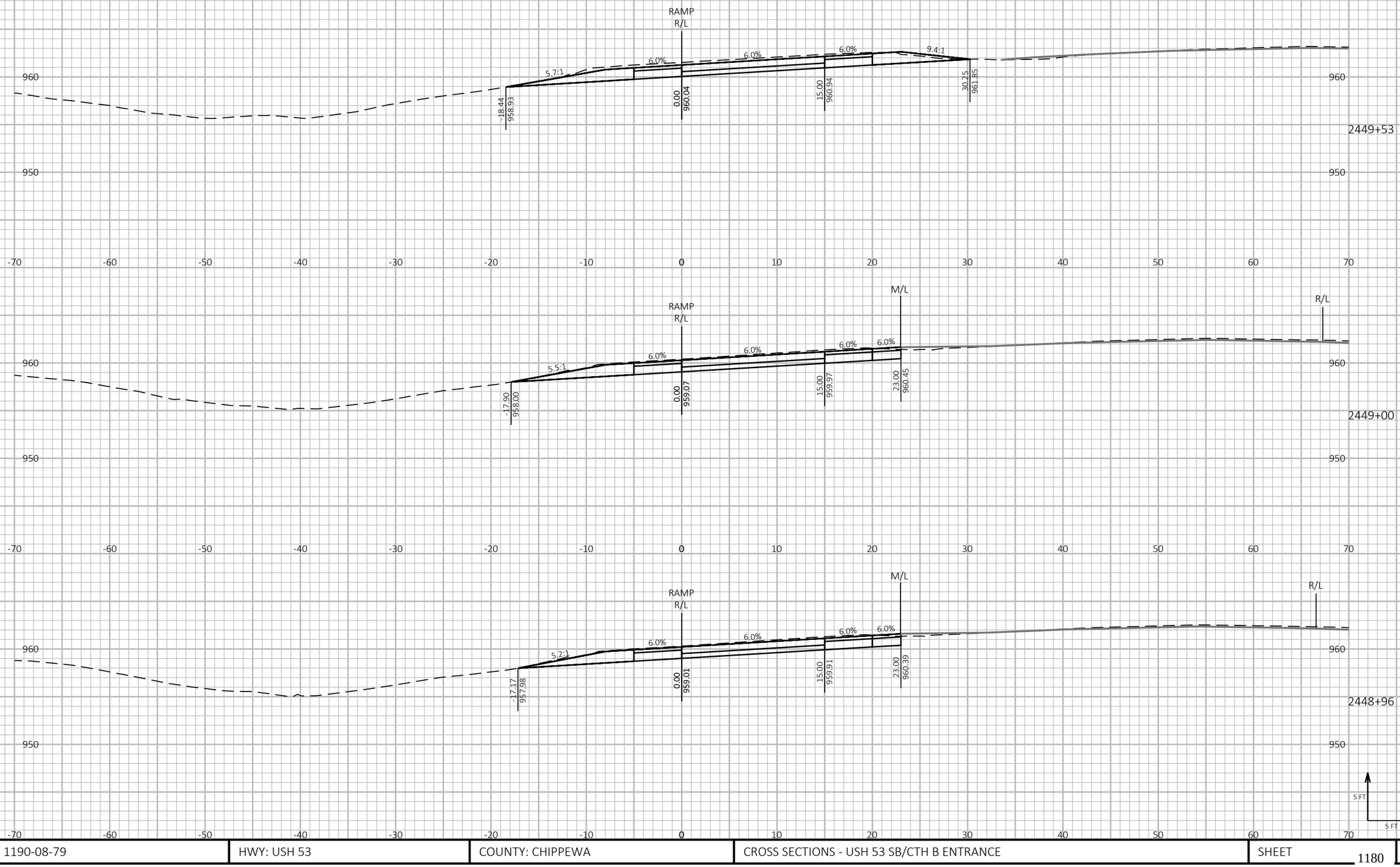
WISDOT/CADDS SHEET 49

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH B ENTRANCE - 'BD' ALIGNMENT



PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH B ENTRANCE	SHEET 1180	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090225-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 7/26/2023 3:35 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

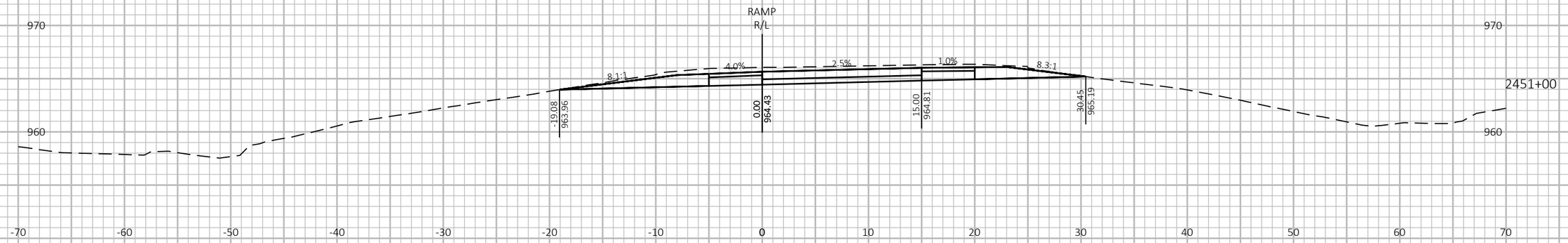
WISDOT/CADDS SHEET 49

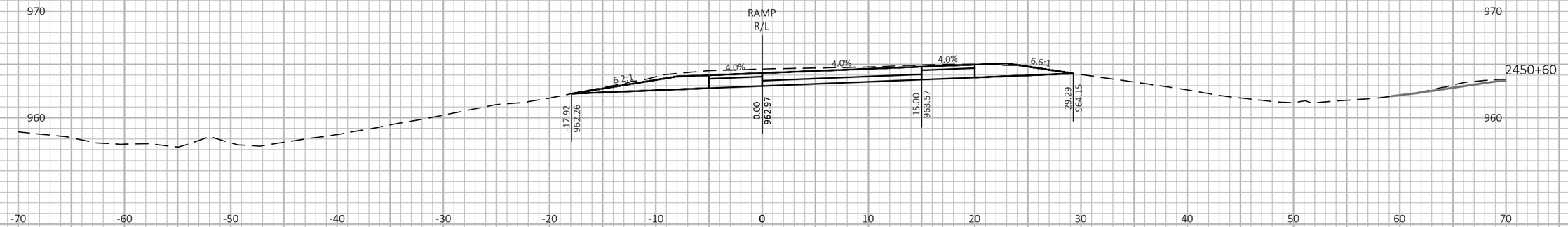
LEGEND

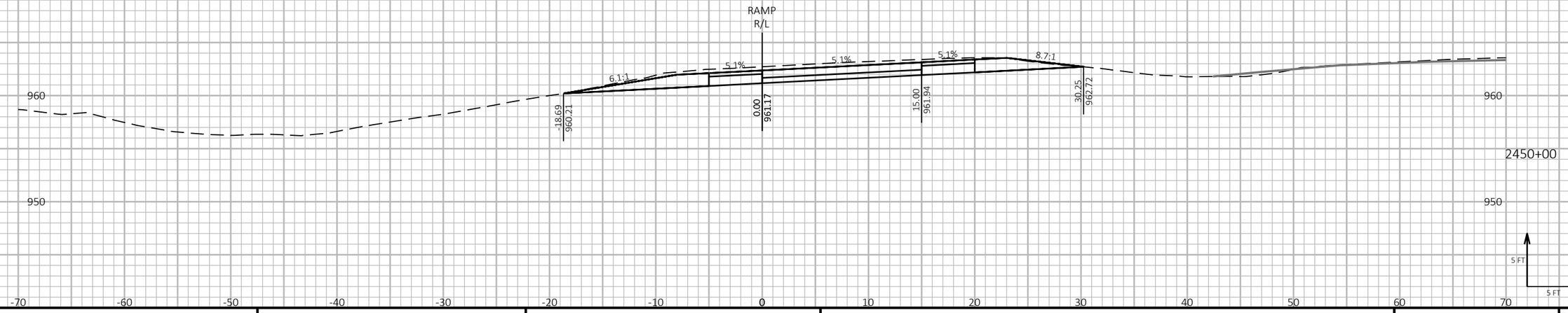
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH B ENTRANCE - 'BD' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH B ENTRANCE	SHEET 1181	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090225-XS.DWG
LAYOUT NAME - 05

PLOT DATE : 7/26/2023 3:35 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

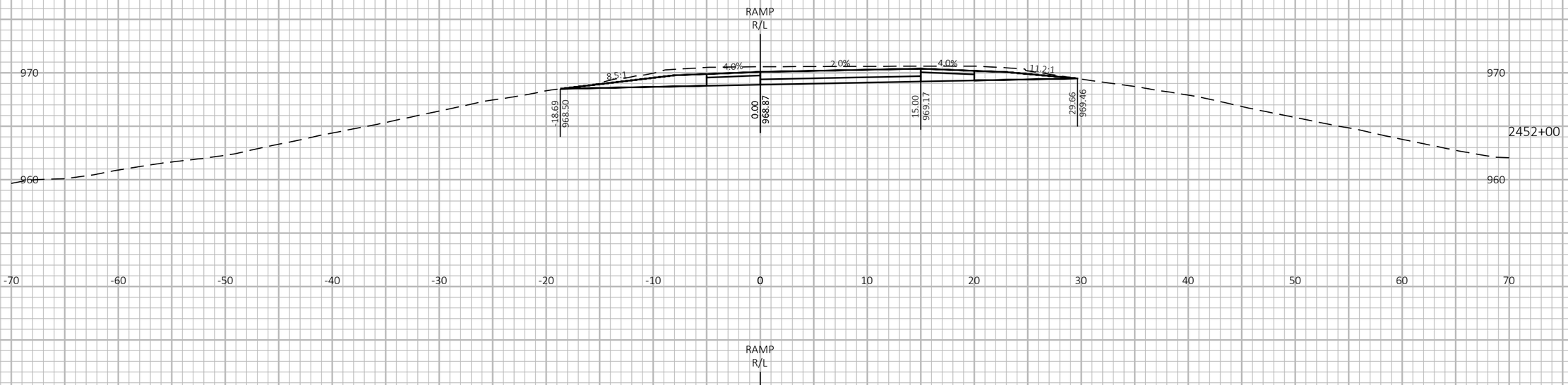
WISDOT/CADDS SHEET 49

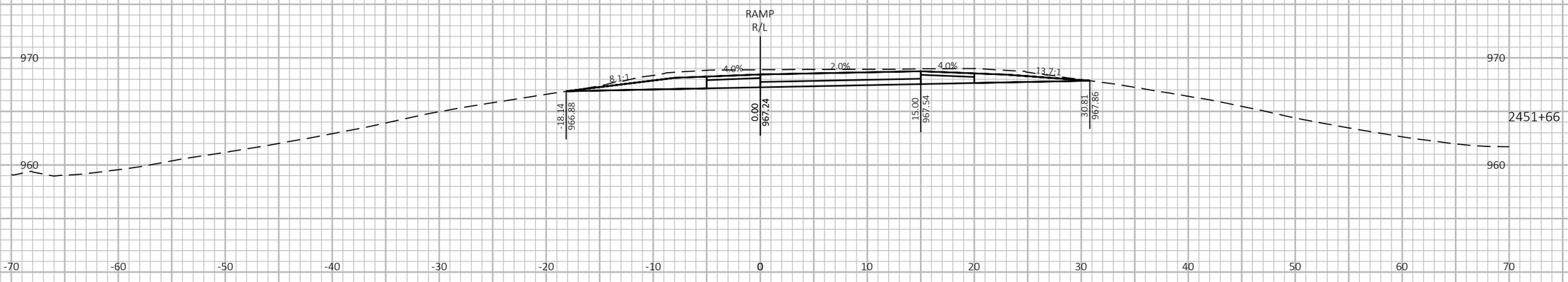
LEGEND

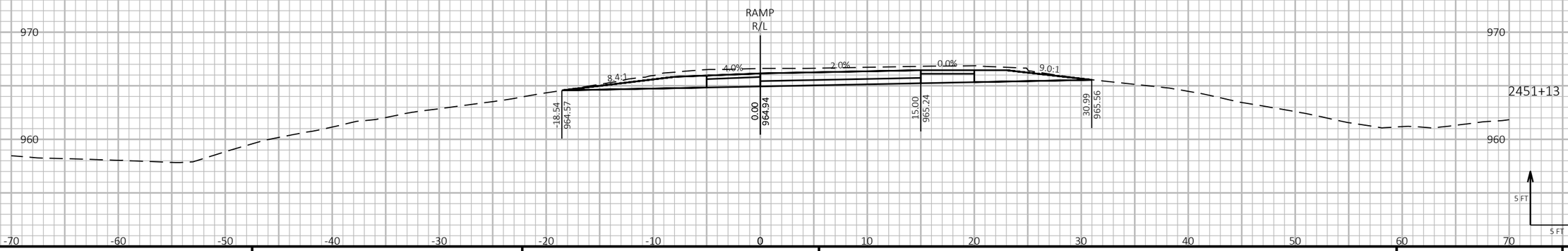
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH B ENTRANCE - 'BD' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH B ENTRANCE	SHEET 1182 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090225-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/26/2023 3:36 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

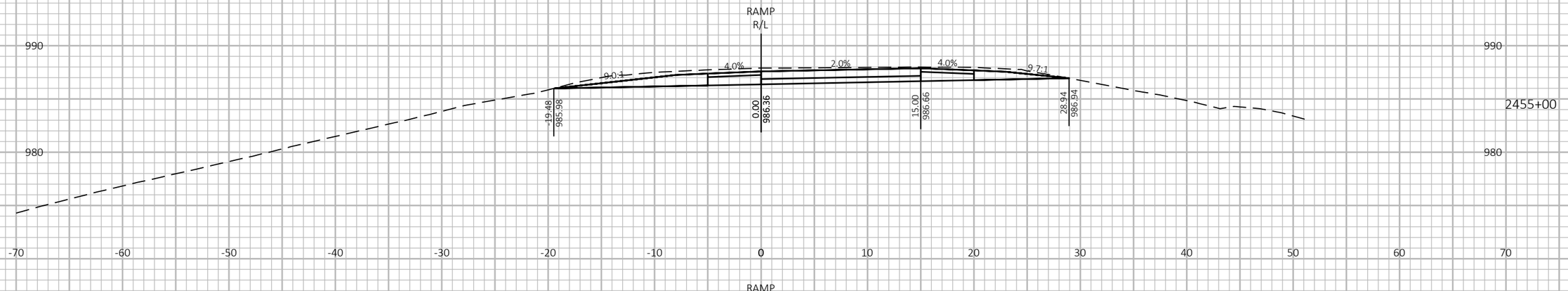
WISDOT/CADDS SHEET 49

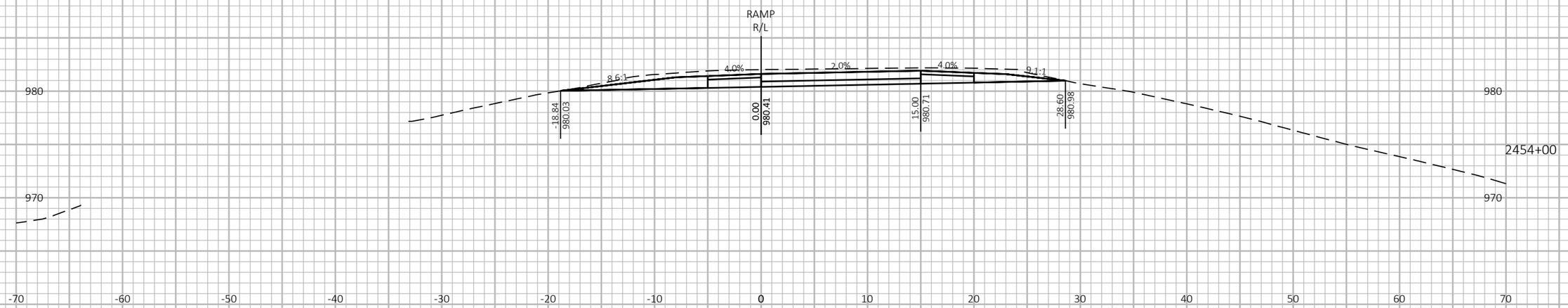
LEGEND

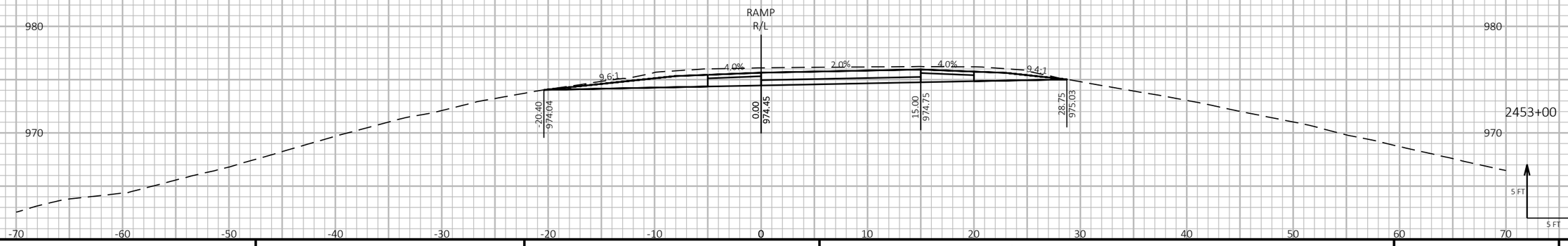
PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH B ENTRANCE - 'BD' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH B ENTRANCE	SHEET 1183	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090225-XS.DWG
LAYOUT NAME - 07

PLOT DATE : 7/26/2023 3:36 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

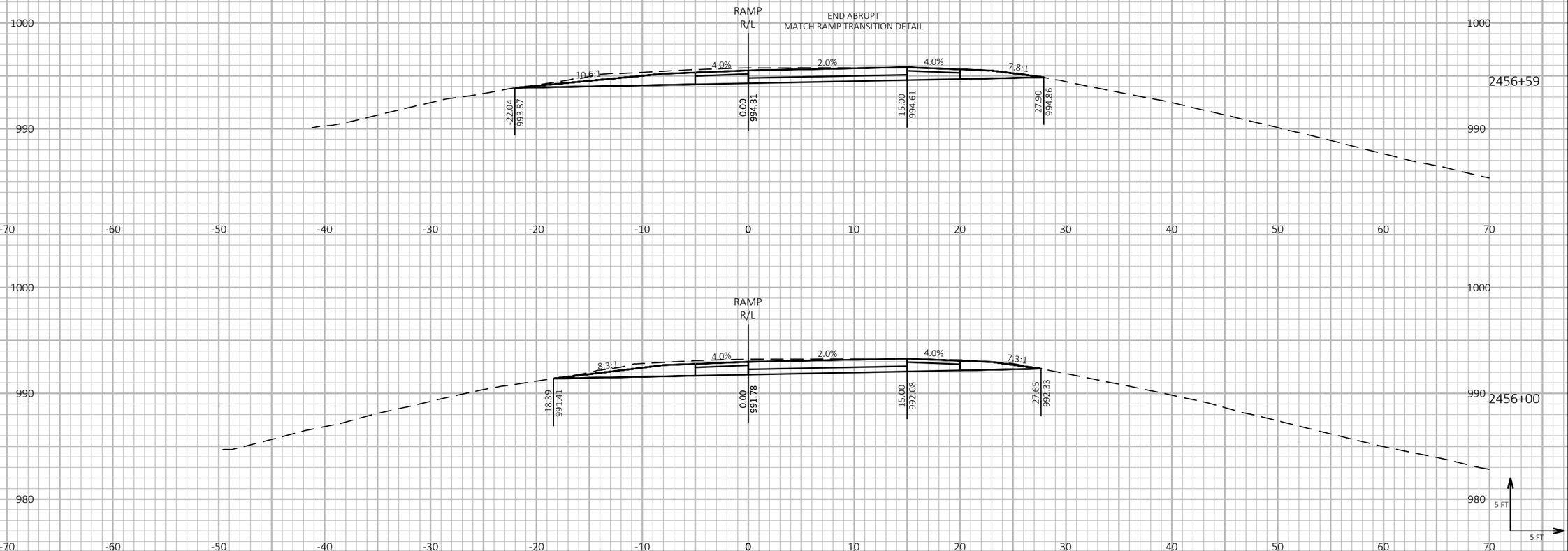
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

LEGEND

PROPOSED SURFACE (SEE ASSOCIATED CROSS SECTIONS)

PROPOSED CONSTRUCTION

CROSS SECTIONS SHOWN ALONG USH 53 SB/CTH B ENTRANCE - 'BD' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - USH 53 SB/CTH B ENTRANCE	SHEET 1184 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090225-XS.DWG
LAYOUT NAME - 08

PLOT DATE : 7/26/2023 3:36 PM

PLOT BY : AUSTIN STRAHL

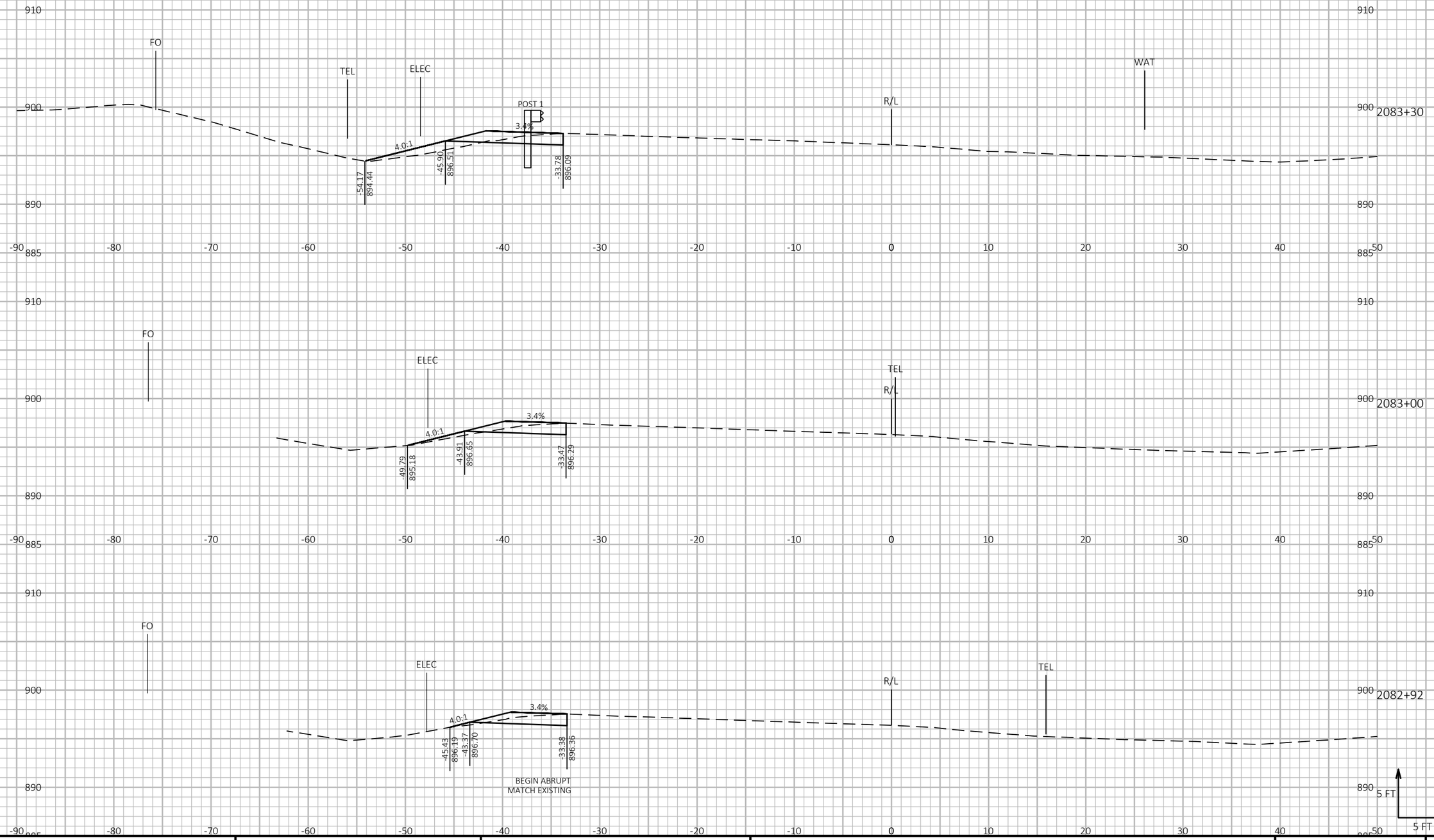
PLOT NAME :

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

WISDOT/CADDS SHEET 49

NOTE
EXISTING BASE AGGREGATE DENSE IN GOOD CONDITION MAY REMAIN. AREAS ARE INCLUDED IN THE EARTHWORK CUT VOLUME.

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP GUARDRAIL - USH 53 SB	SHEET 1185	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090226-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 3:39 PM

PLOT BY : AUSTIN STRAHL

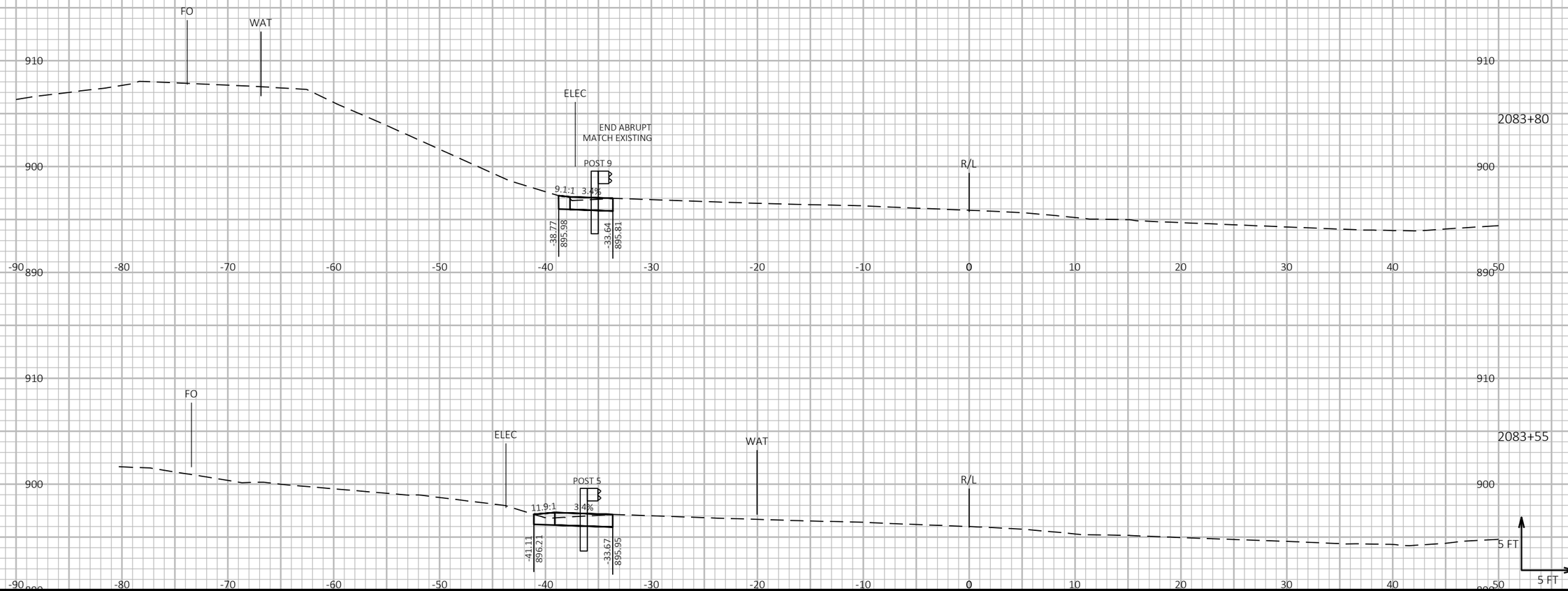
PLOT NAME :

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

WISDOT/CADDS SHEET 49

NOTE
EXISTING BASE AGGREGATE DENSE IN GOOD CONDITION MAY REMAIN. AREAS ARE INCLUDED IN THE EARTHWORK CUT VOLUME.

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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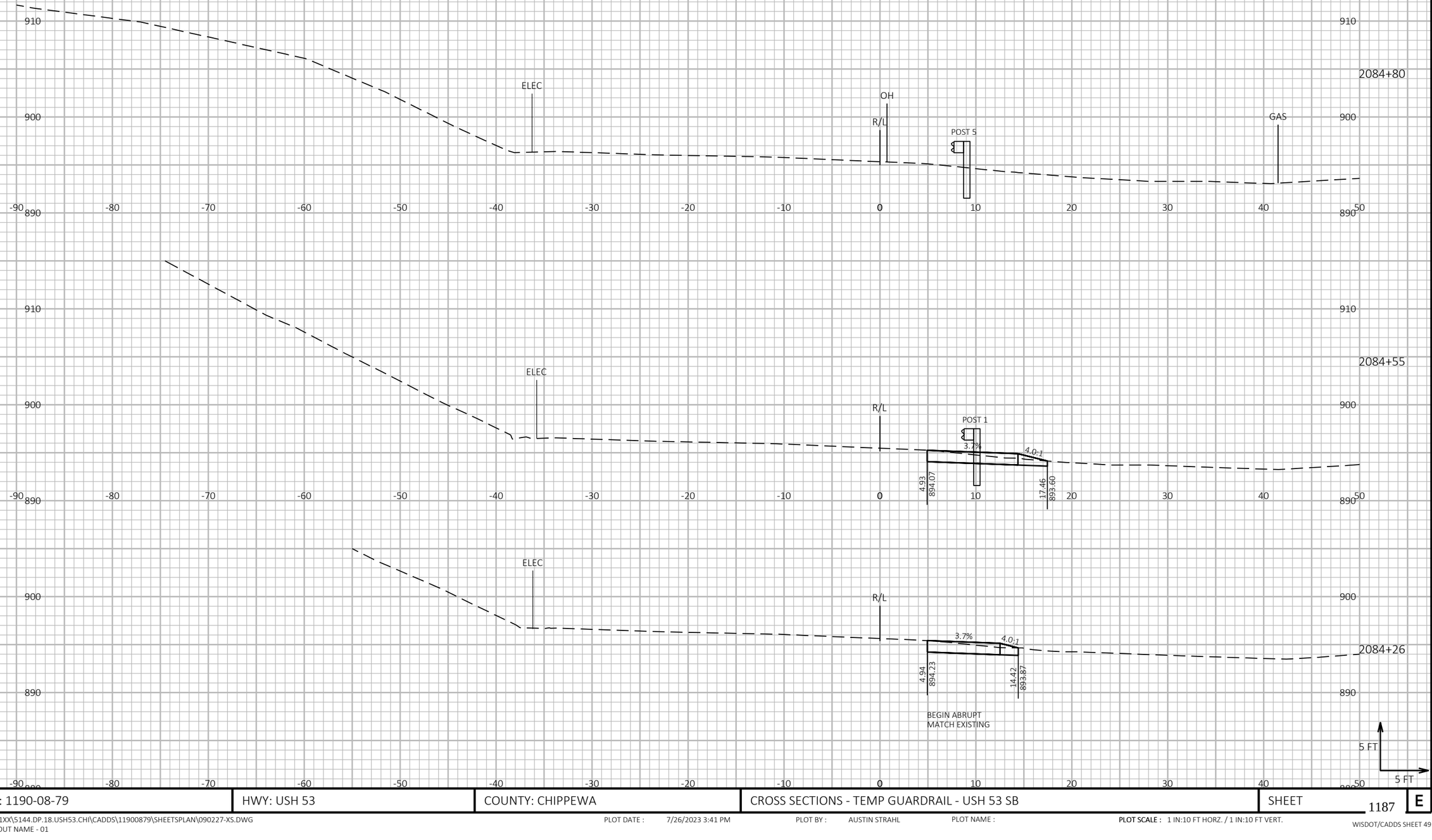
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP GUARDRAIL - USH 53 SB	SHEET 1186	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090226-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/26/2023 3:39 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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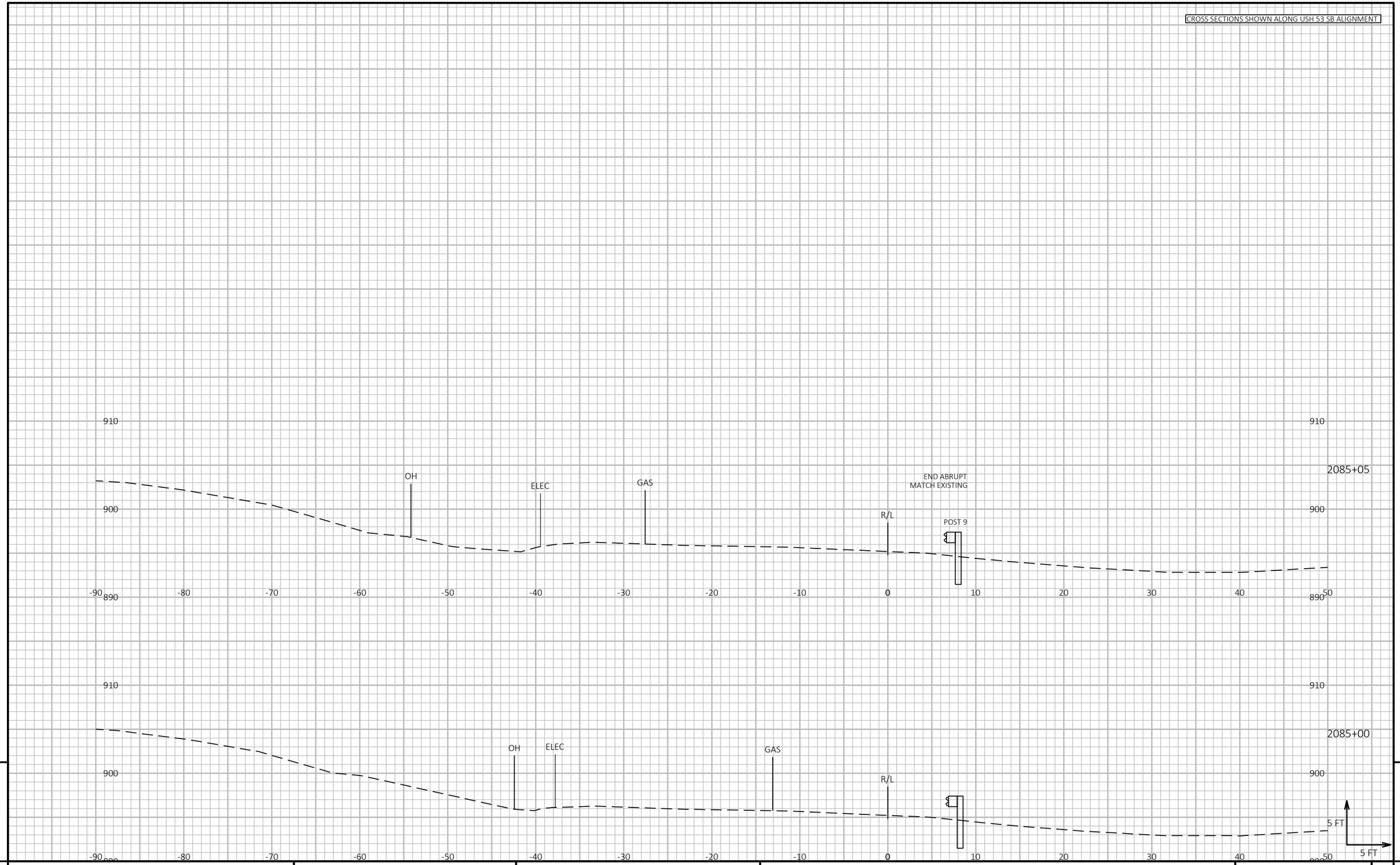
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP GUARDRAIL - USH 53 SB	SHEET 1187	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090227-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 3:41 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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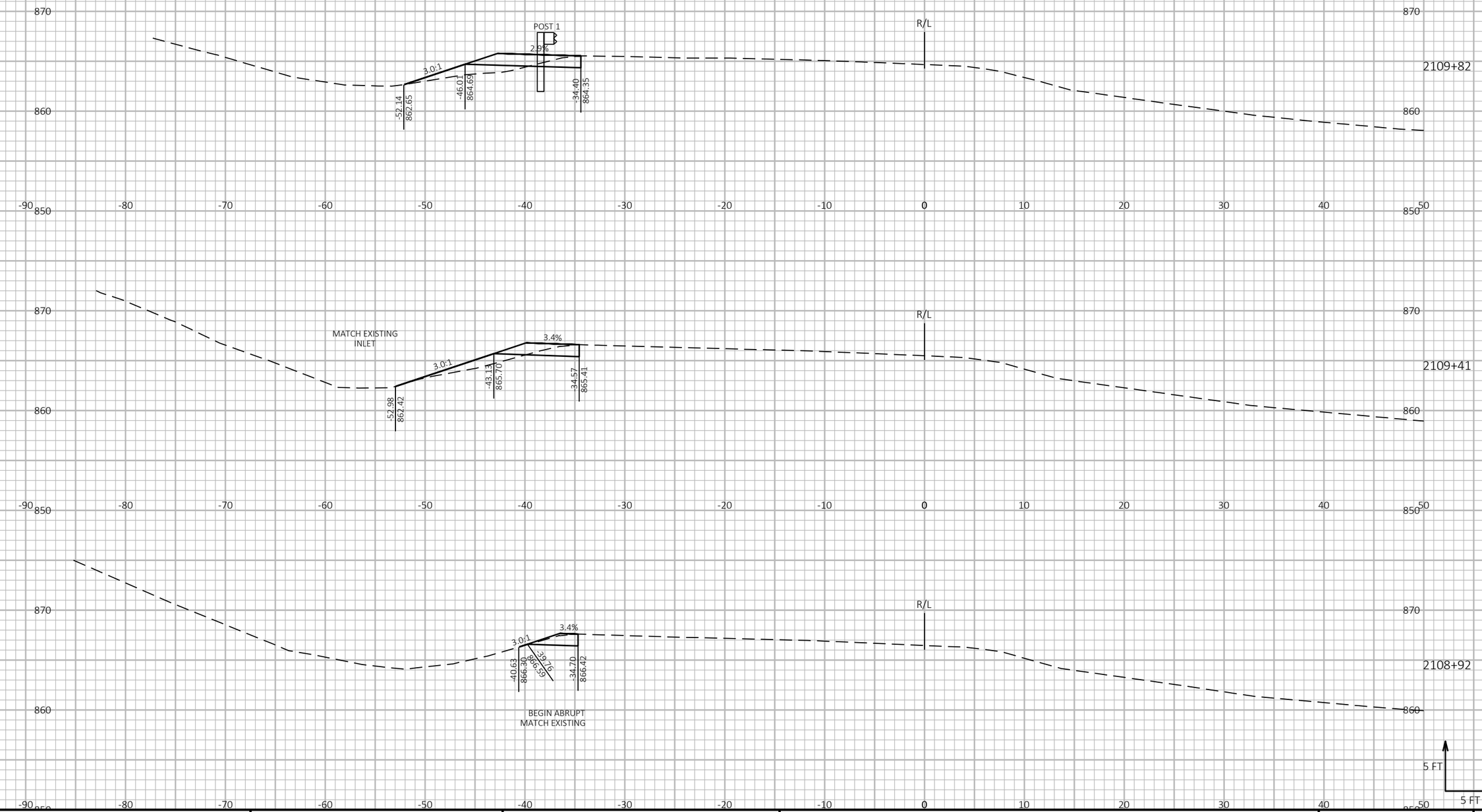
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP GUARDRAIL - USH 53 SB	SHEET 1188	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090227-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/26/2023 3:41 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP GUARDRAIL - USH 53 SB	SHEET 1189	E

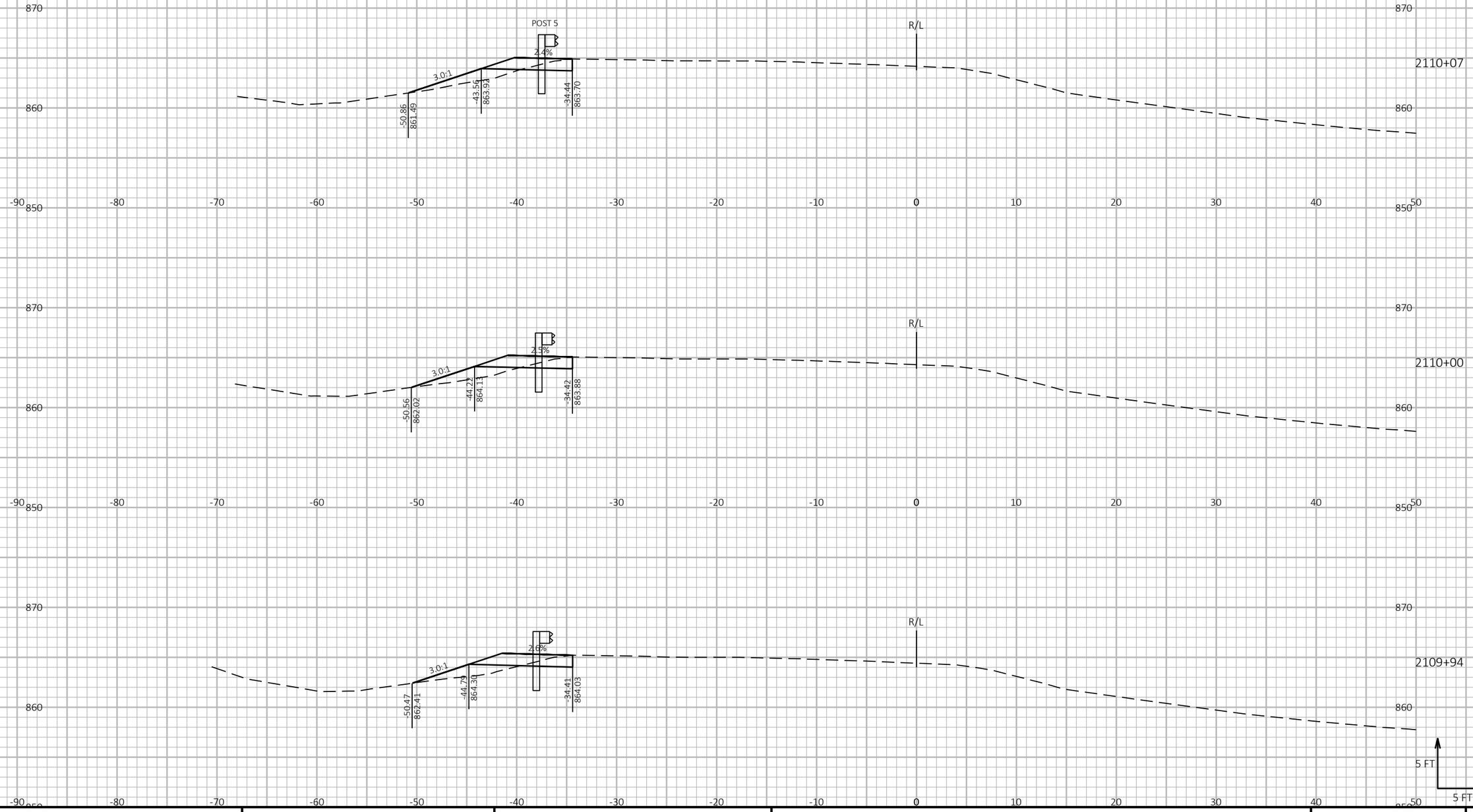
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LAYOUT NAME - 01

PLOT DATE : 7/26/2023 3:48 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



9

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP GUARDRAIL - USH 53 SB	SHEET 1190	E

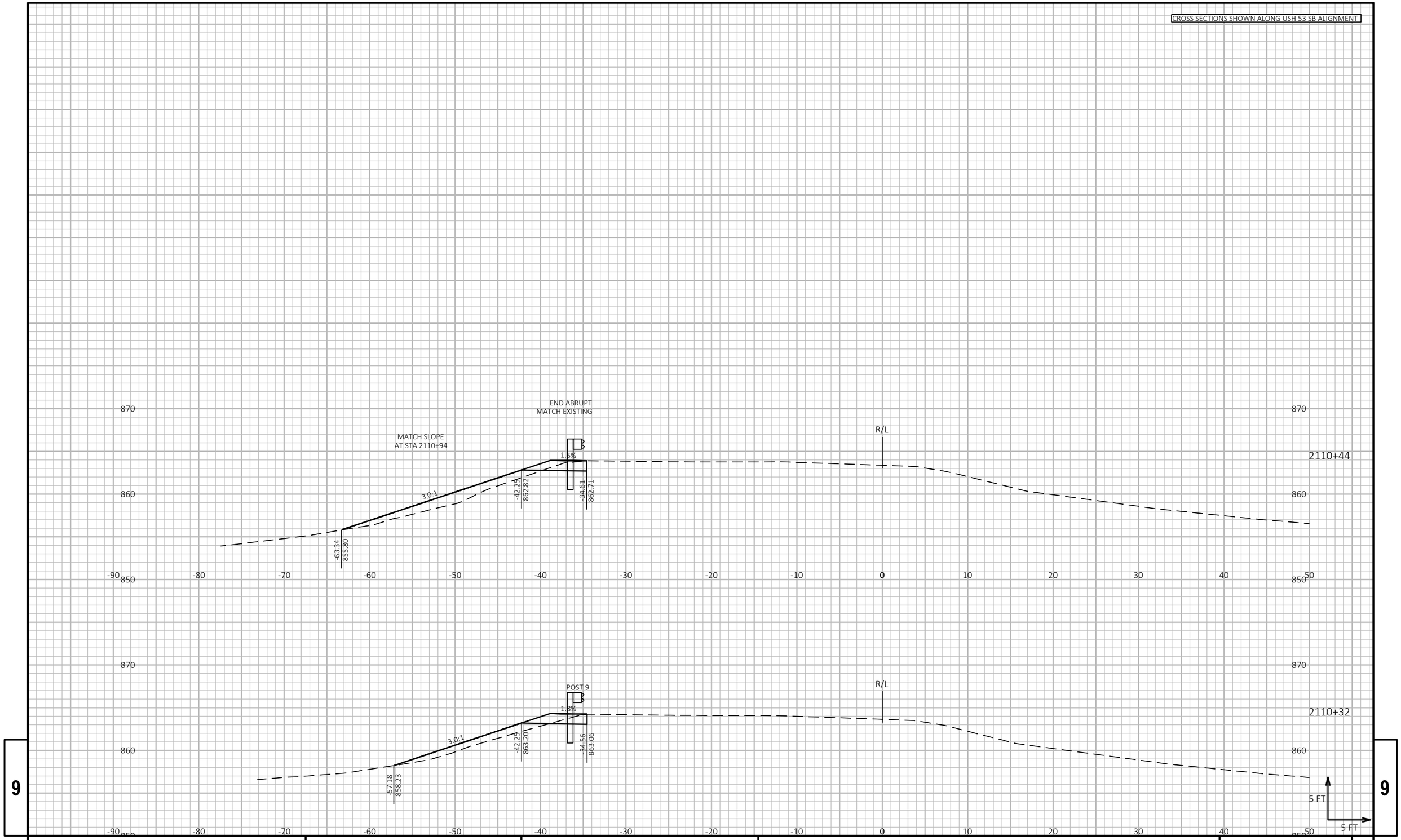
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LAYOUT NAME - 02

PLOT DATE : 7/26/2023 3:48 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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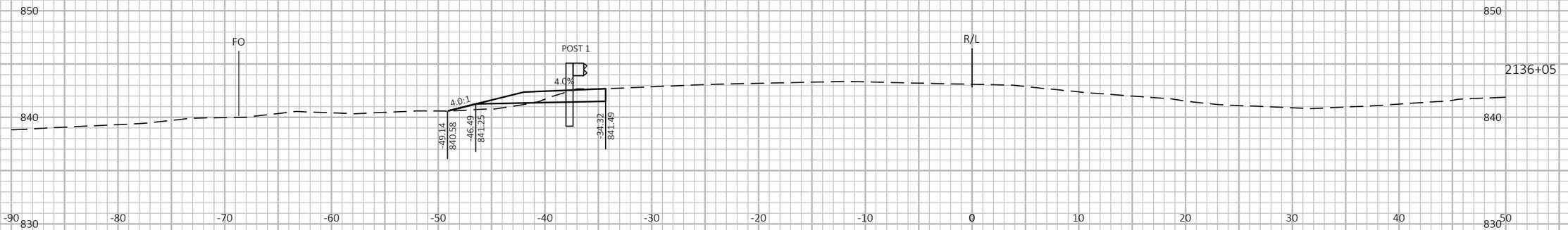
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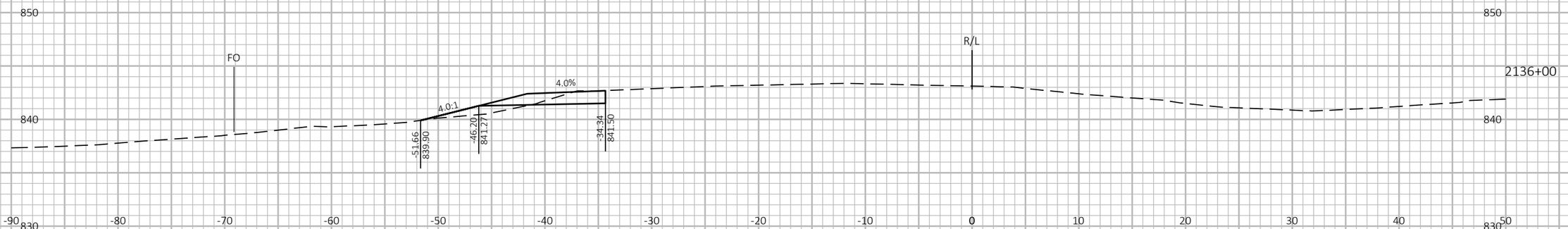
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LAYOUT NAME - 03

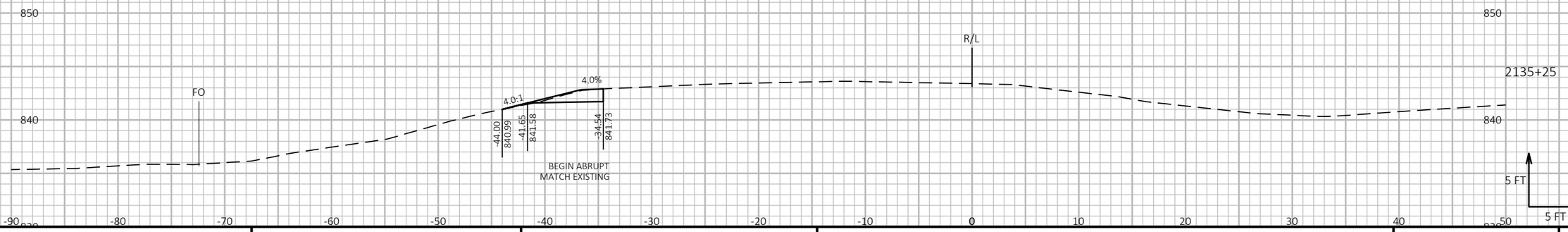
PLOT DATE : 7/26/2023 3:48 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







9

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP GUARDRAIL - USH 53 SB	SHEET 1192	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090229-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 3:50 PM

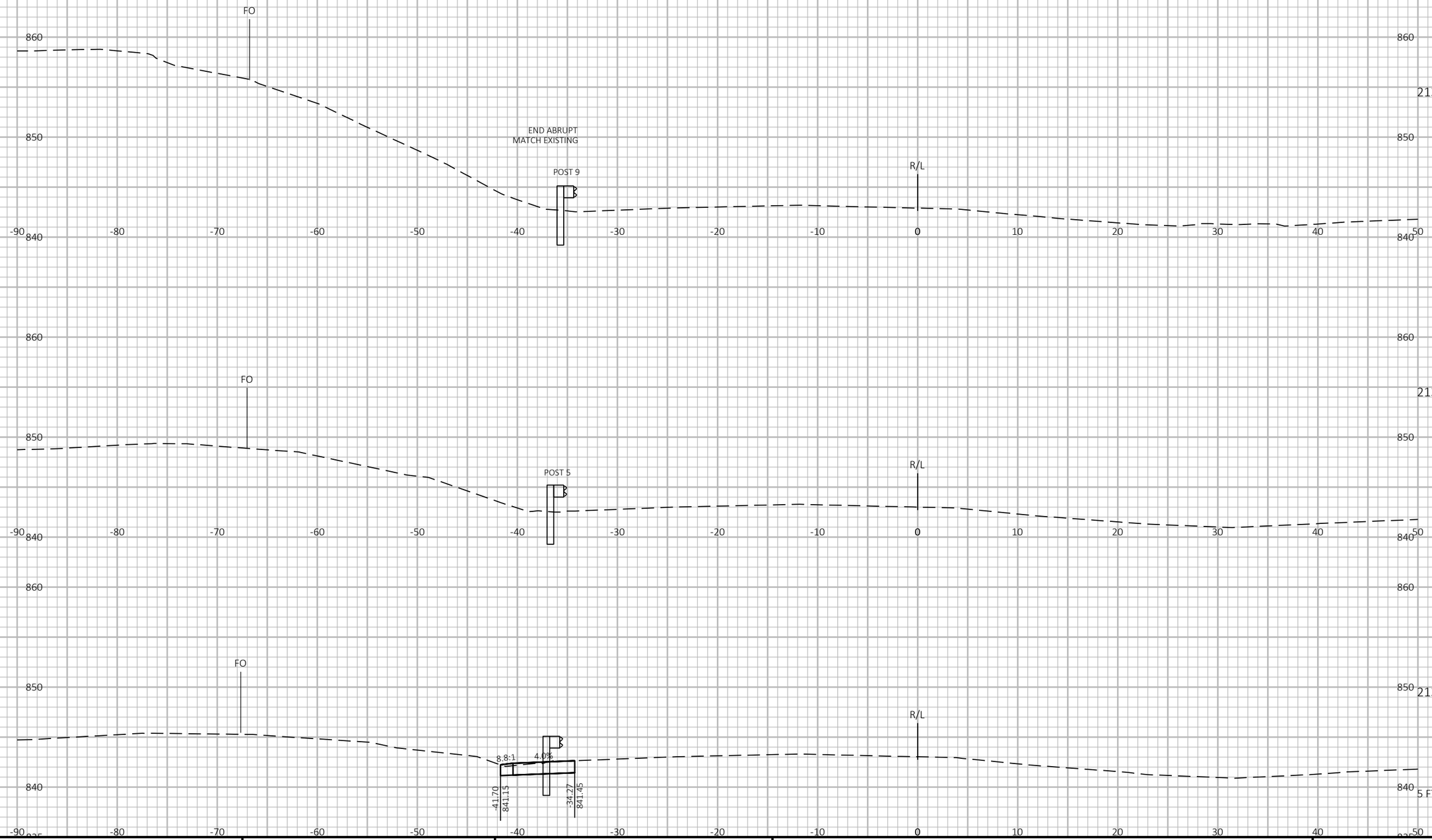
PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP GUARDRAIL - USH 53 SB	SHEET 1193	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090229-XS.DWG
LAYOUT NAME - 02

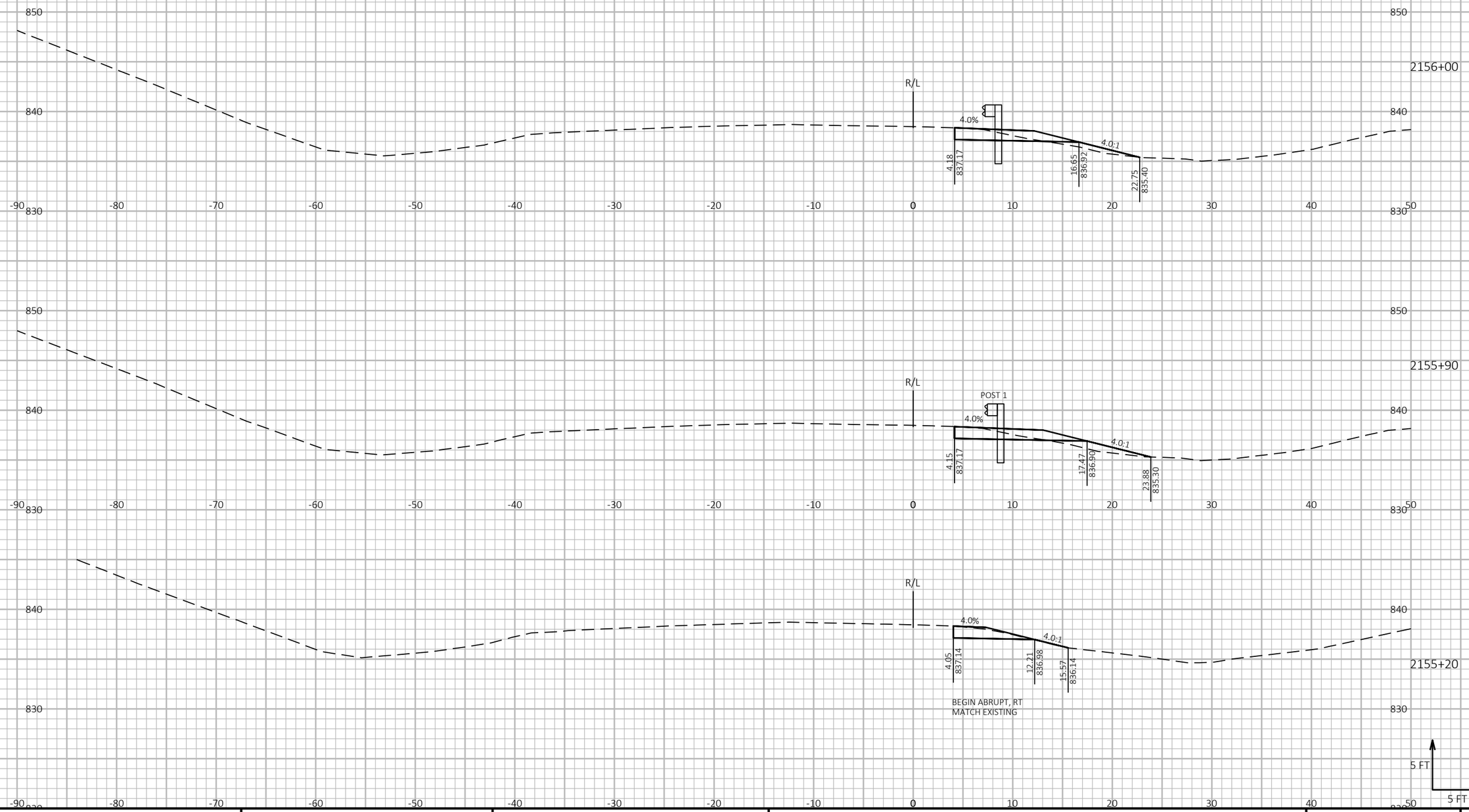
PLOT DATE : 7/26/2023 3:50 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP GUARDRAIL - USH 53 SB	SHEET 1194 E

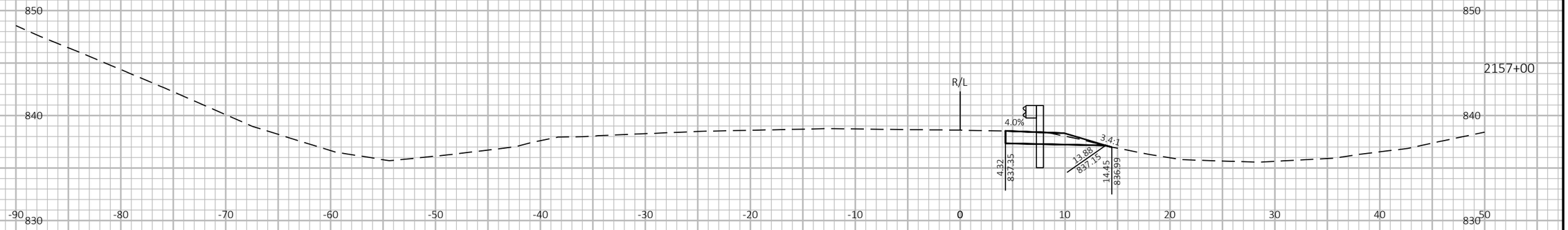
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LAYOUT NAME - 01

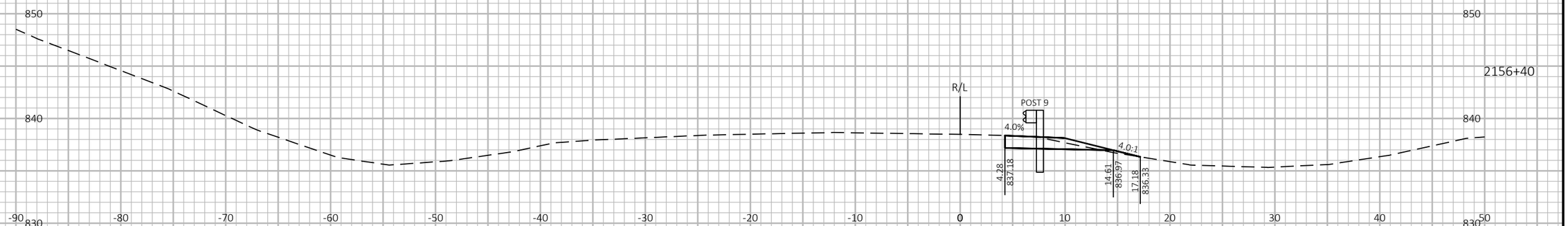
PLOT DATE : 7/26/2023 3:51 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

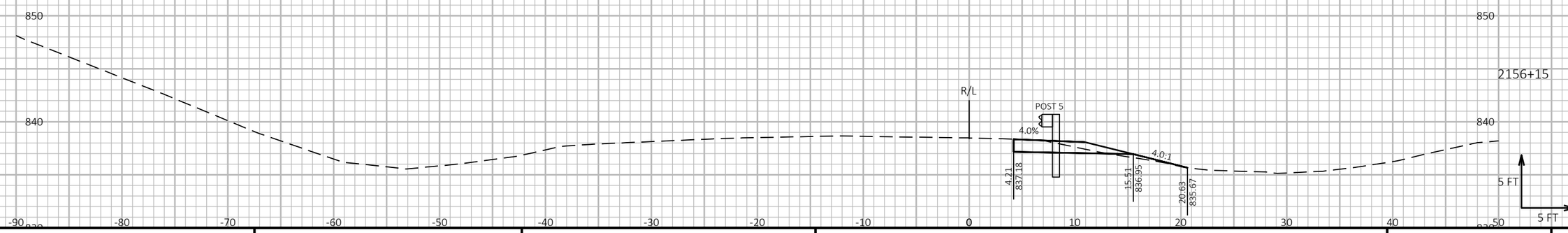
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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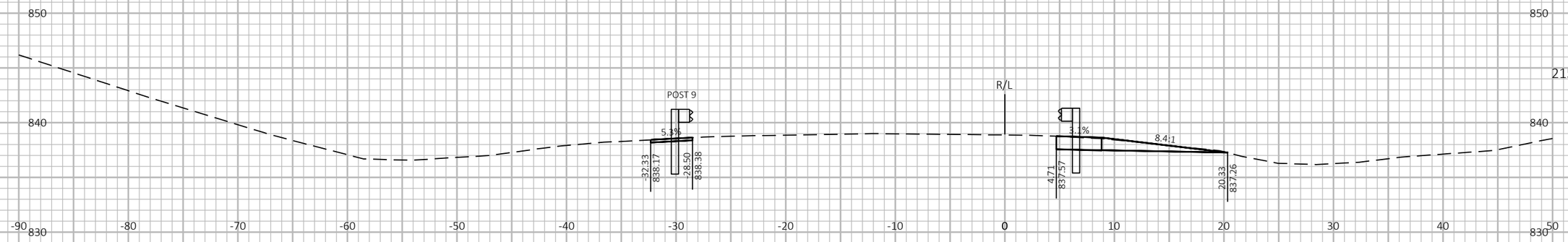
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FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090230-XS.DWG
LAYOUT NAME - 02

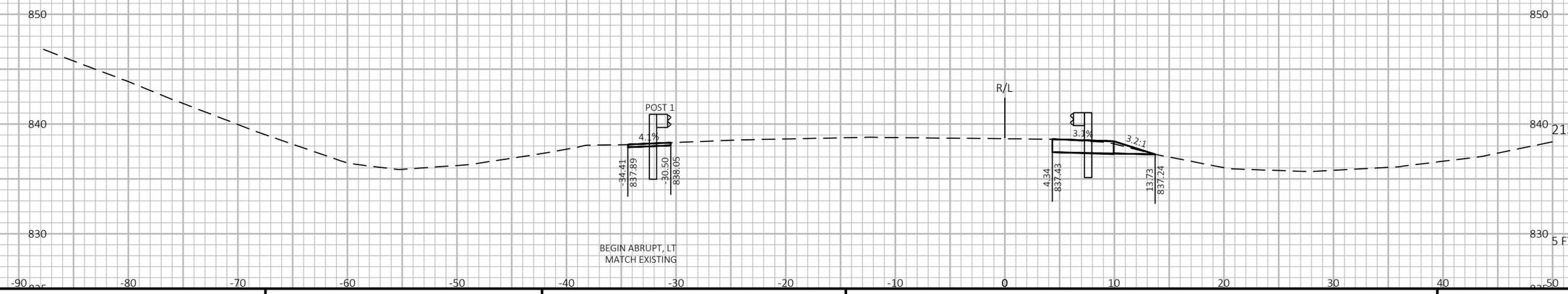
PLOT DATE : 7/26/2023 3:51 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP GUARDRAIL - USH 53 SB	SHEET 1196	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090230-XS.DWG
LAYOUT NAME - 03

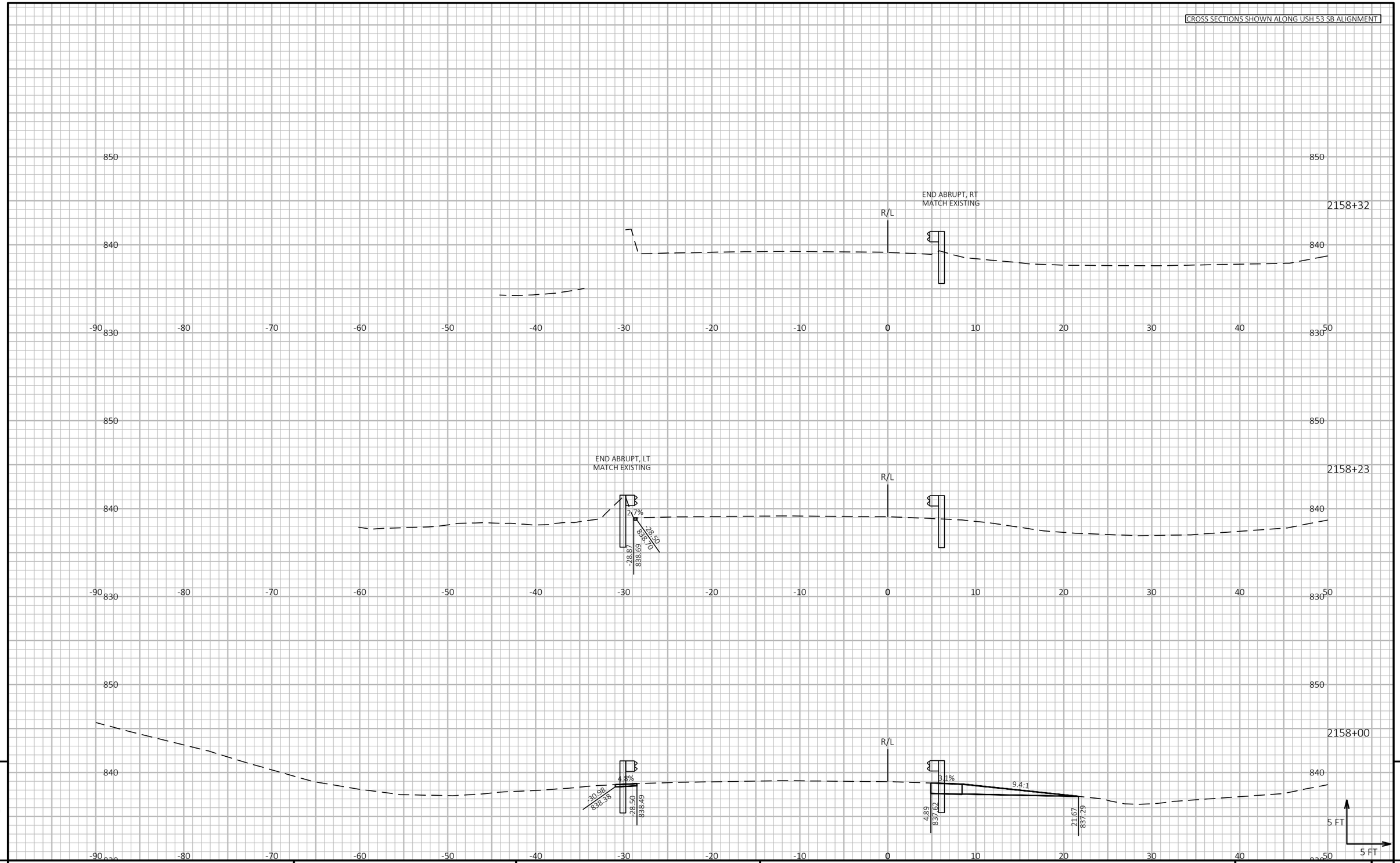
PLOT DATE : 7/26/2023 3:51 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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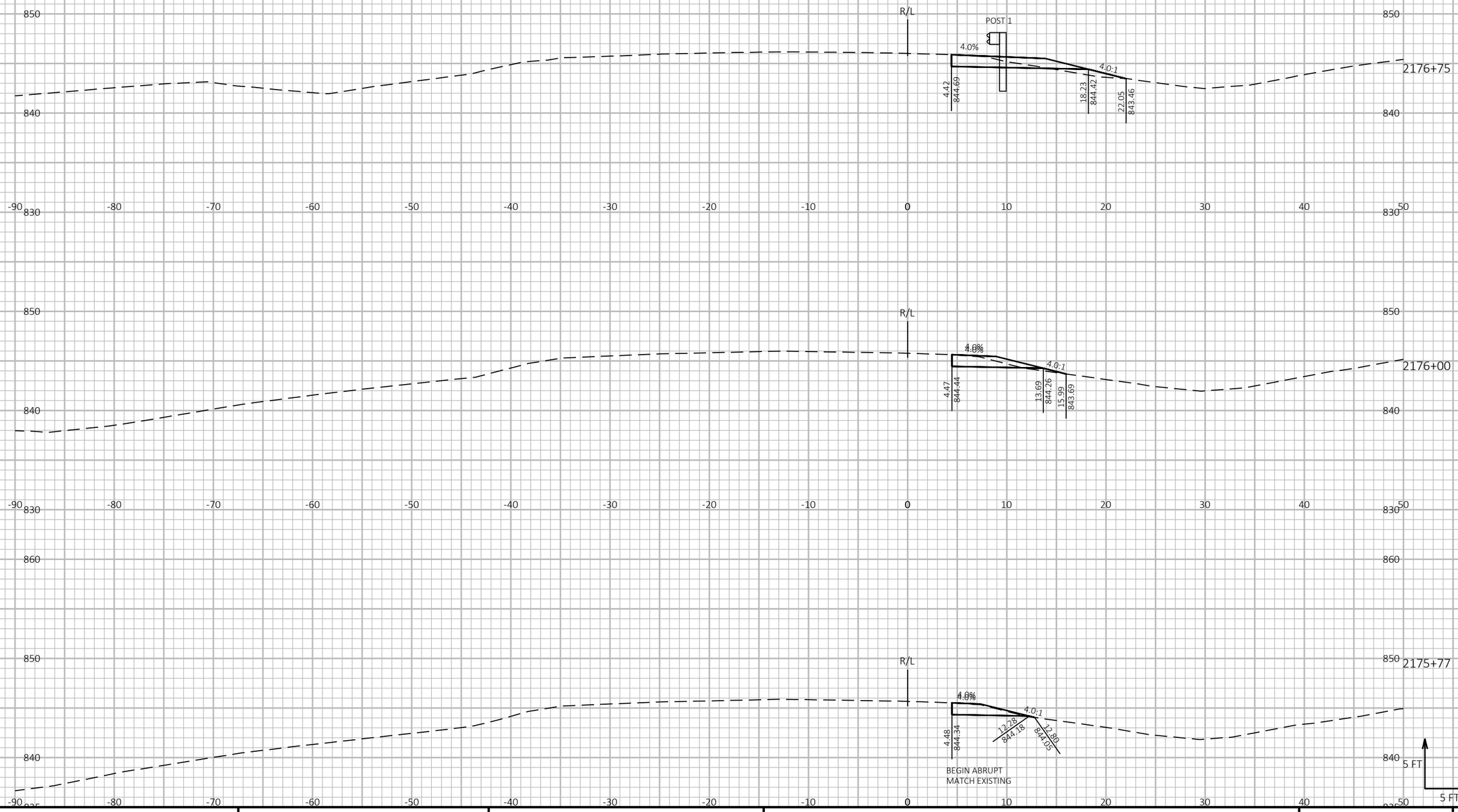
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FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090230-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 7/26/2023 3:52 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP GUARDRAIL - USH 53 SB	SHEET 1198	E

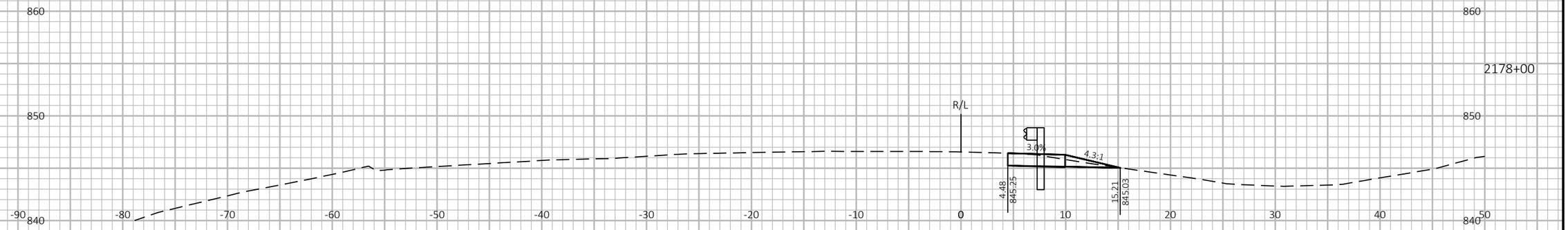
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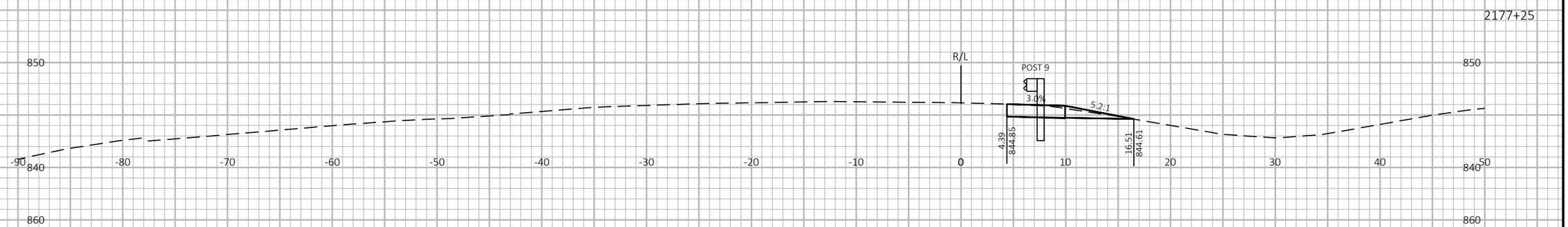
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LAYOUT NAME - 01

PLOT DATE : 7/26/2023 3:54 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP GUARDRAIL - USH 53 SB	SHEET 1199	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090231-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/26/2023 3:54 PM

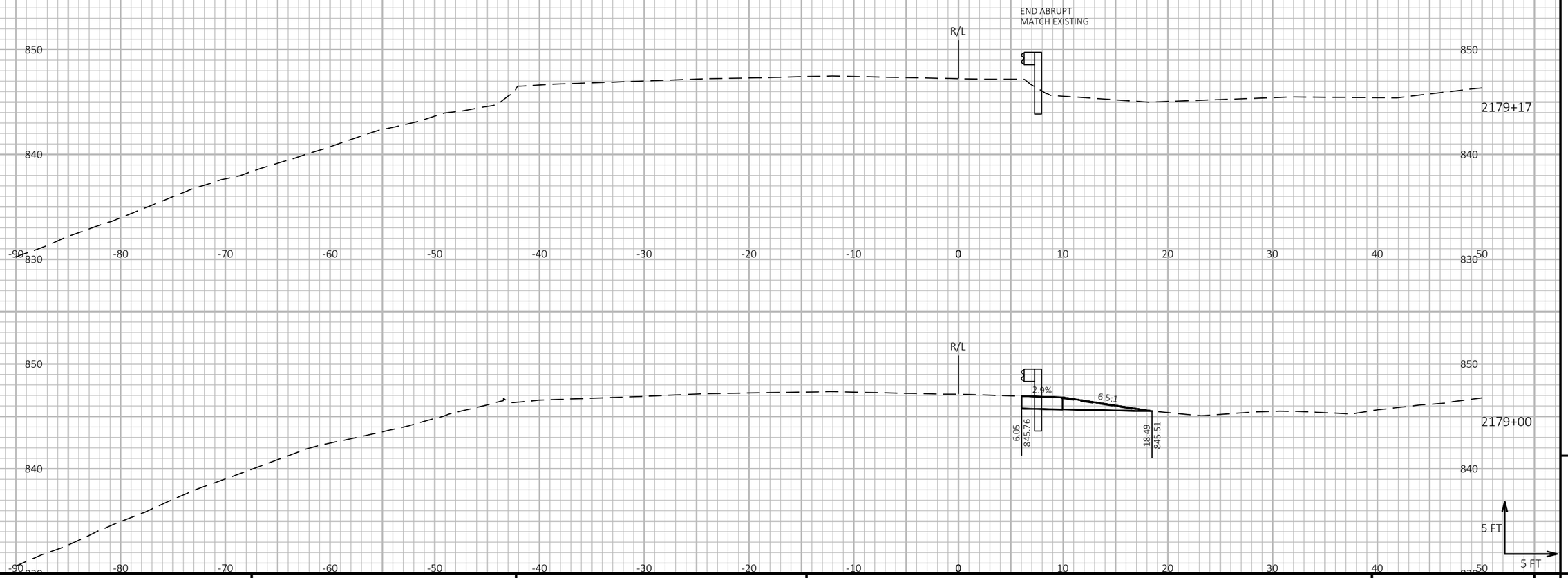
PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP GUARDRAIL - USH 53 SB	SHEET 1200	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090231-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/26/2023 3:54 PM

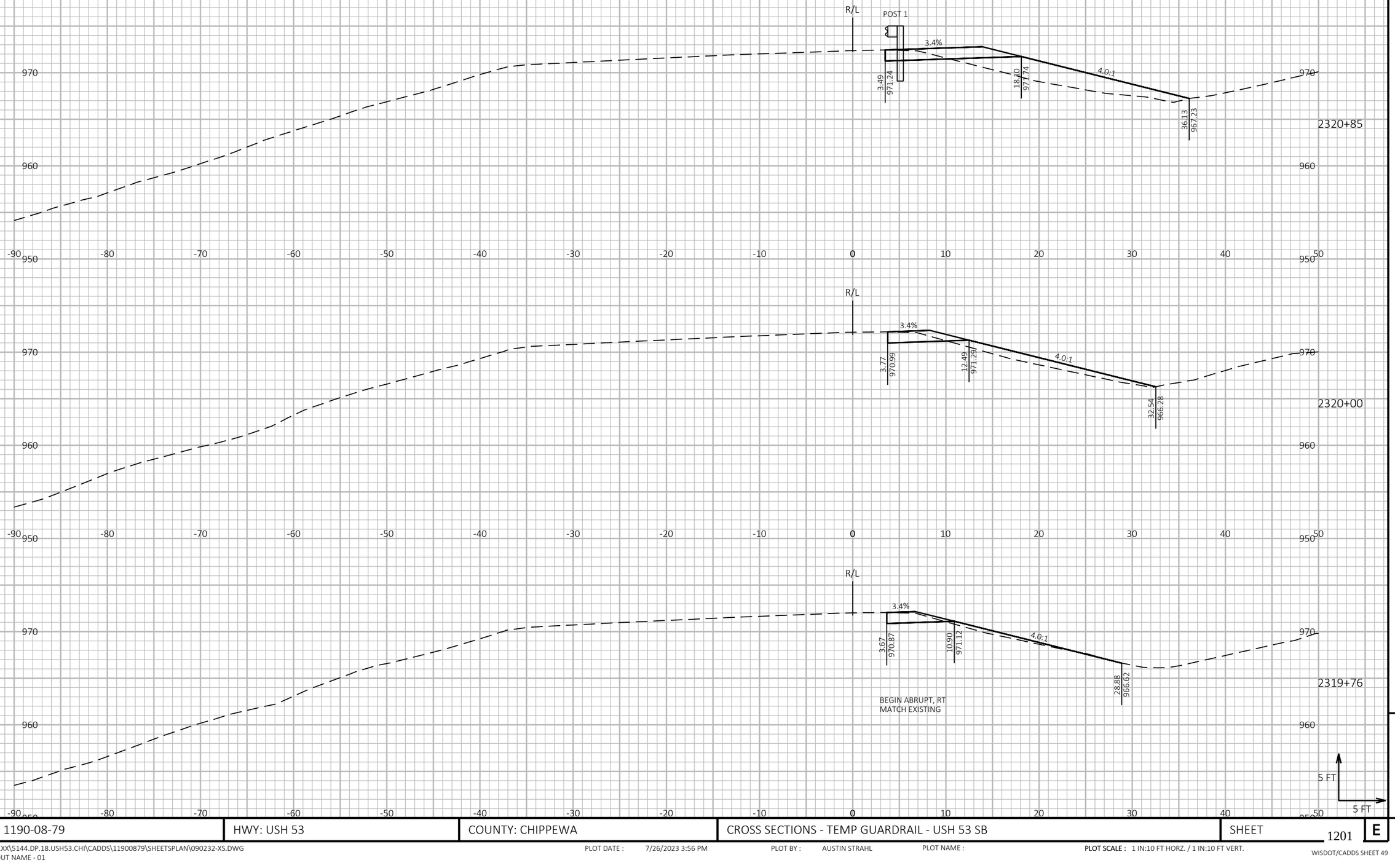
PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP GUARDRAIL - USH 53 SB	SHEET 1201	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090232-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 3:56 PM

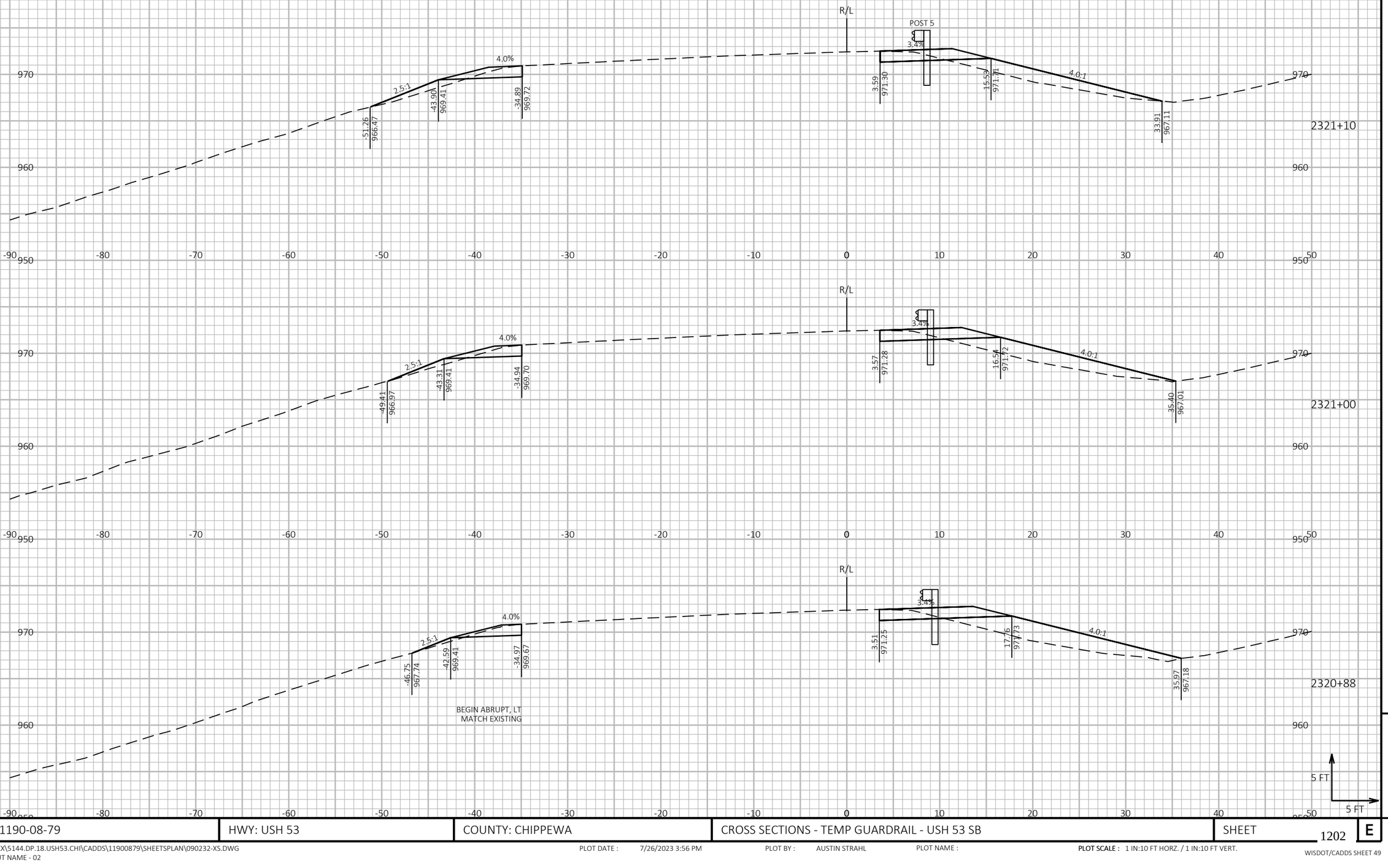
PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



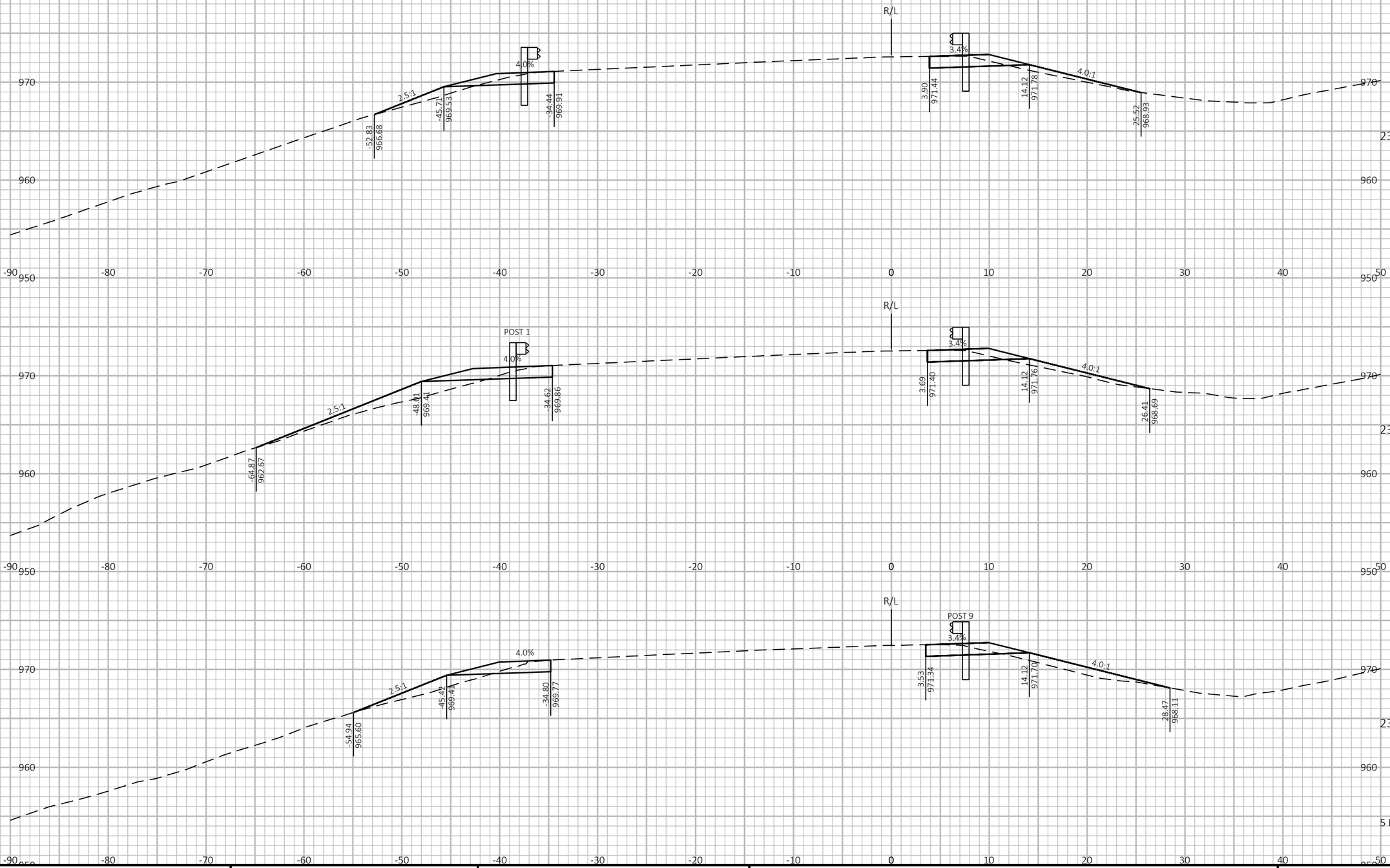
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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP GUARDRAIL - USH 53 SB	SHEET 1202 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090232-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/26/2023 3:56 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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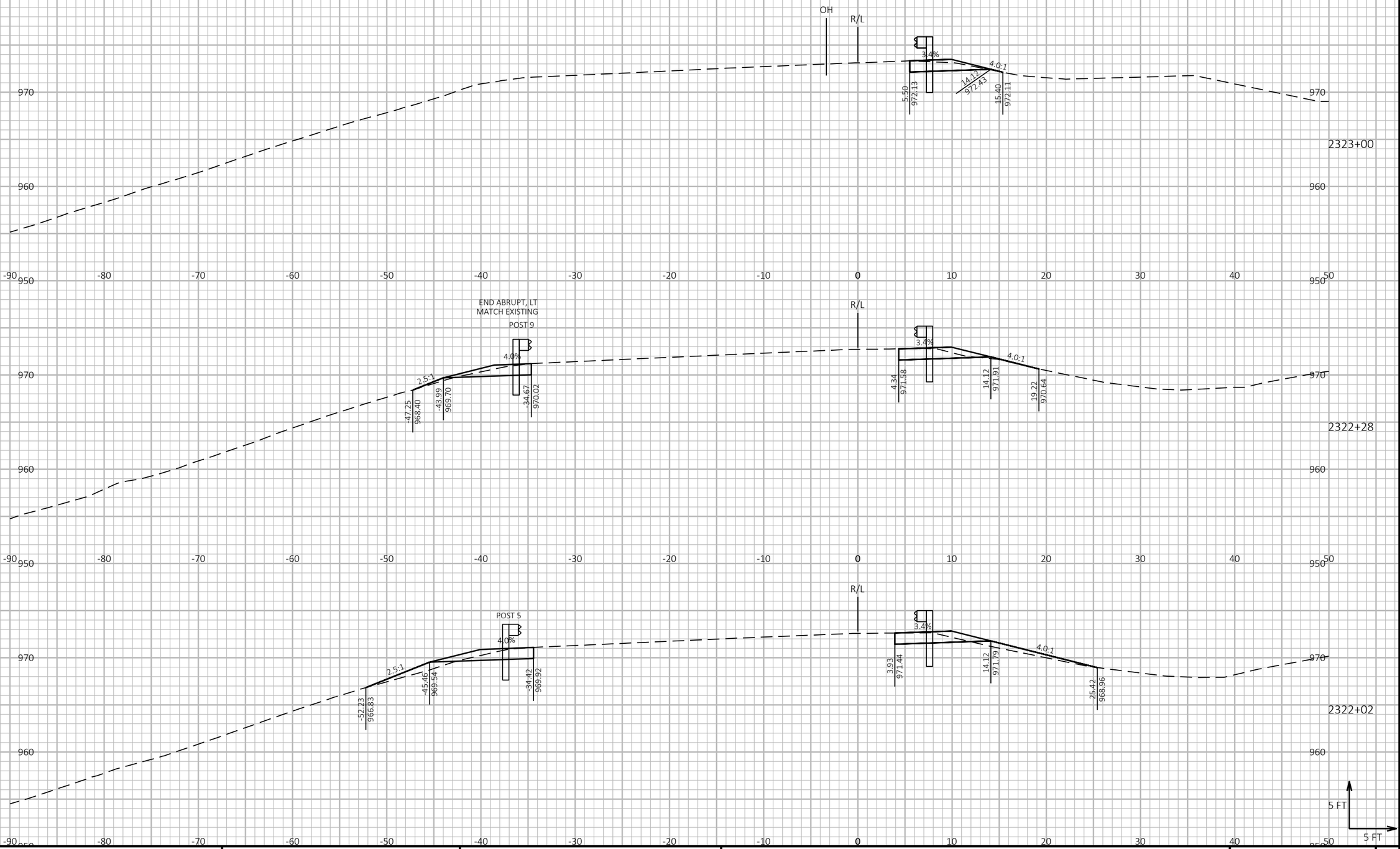
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP GUARDRAIL - USH 53 SB	SHEET 1203 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090232-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/26/2023 3:56 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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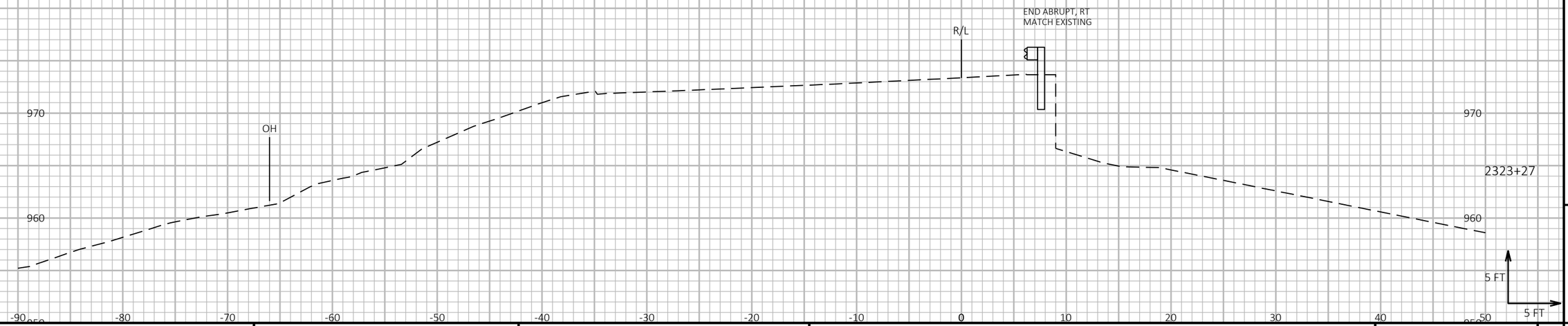
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP GUARDRAIL - USH 53 SB	SHEET 1204	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090232-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 7/26/2023 3:56 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG USH 53 SB ALIGNMENT



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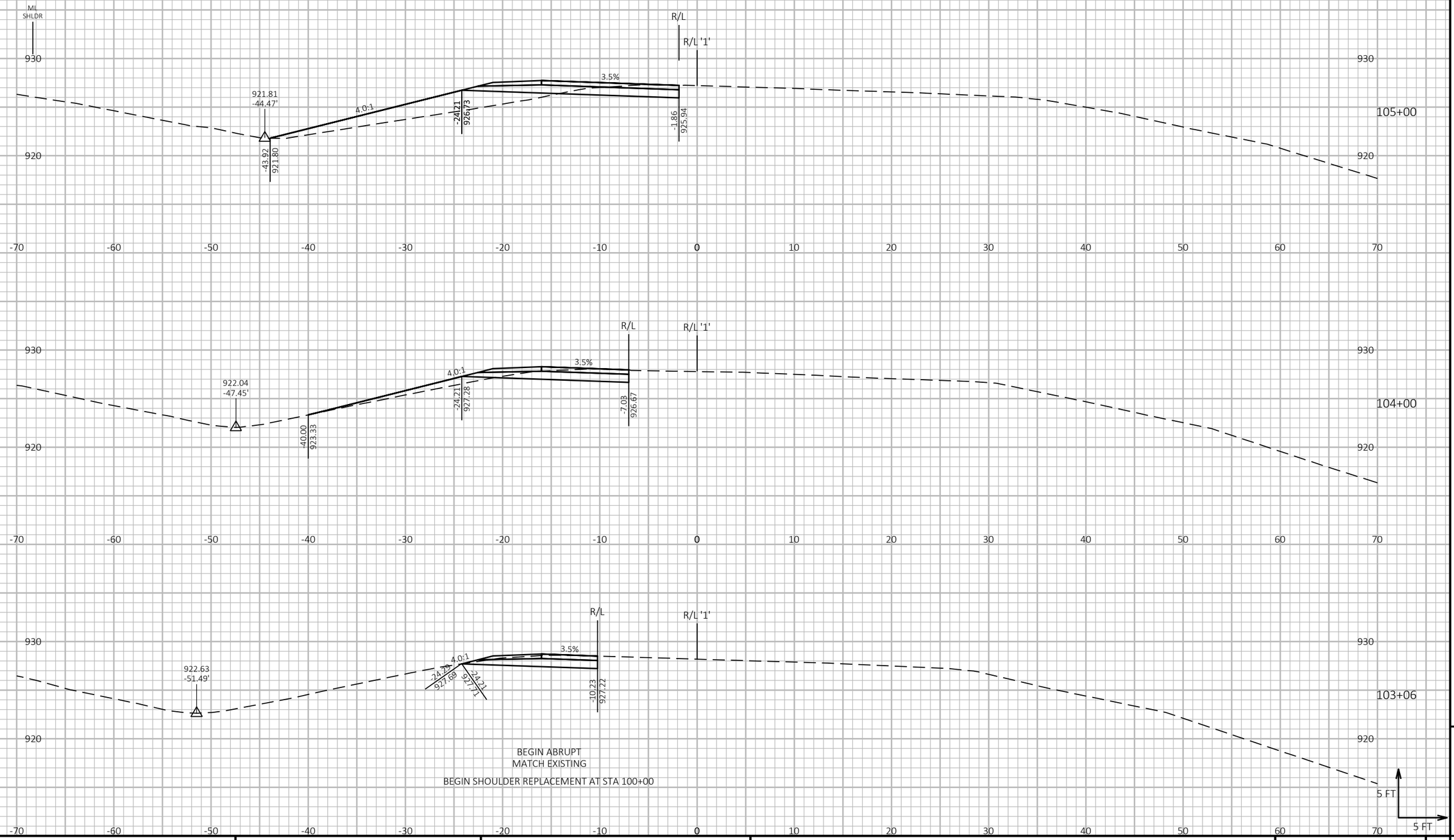
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FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090232-XS.DWG
LAYOUT NAME - 05

PLOT DATE : 7/26/2023 3:56 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG SOUTH TEMPORARY CROSSOVER USH 53 NB - 'T1' ALIGNMENT



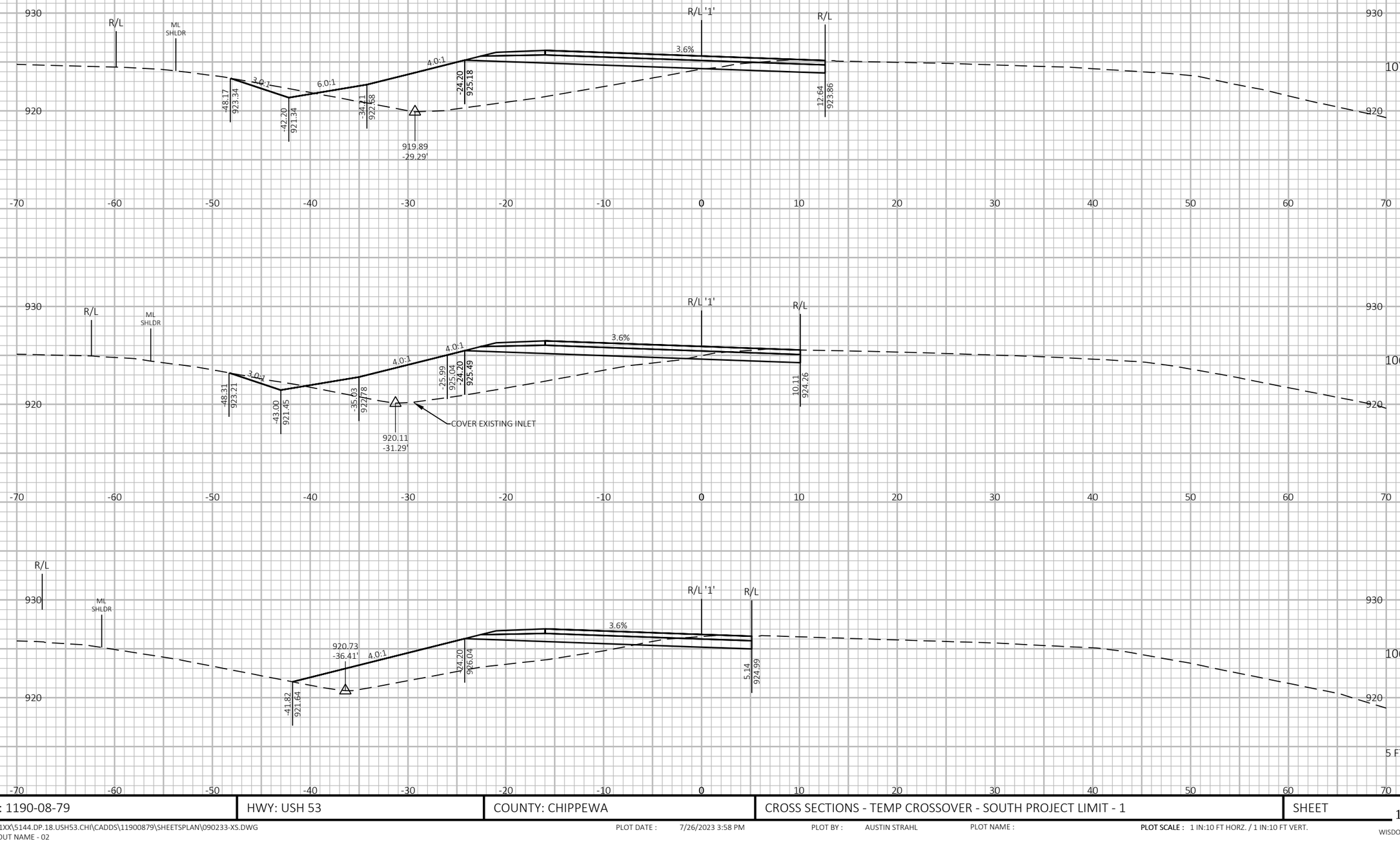
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - SOUTH PROJECT LIMIT - 1	SHEET 1206 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090233-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 3:58 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG SOUTH TEMPORARY CROSSOVER USH 53 NB - 'T1' ALIGNMENT



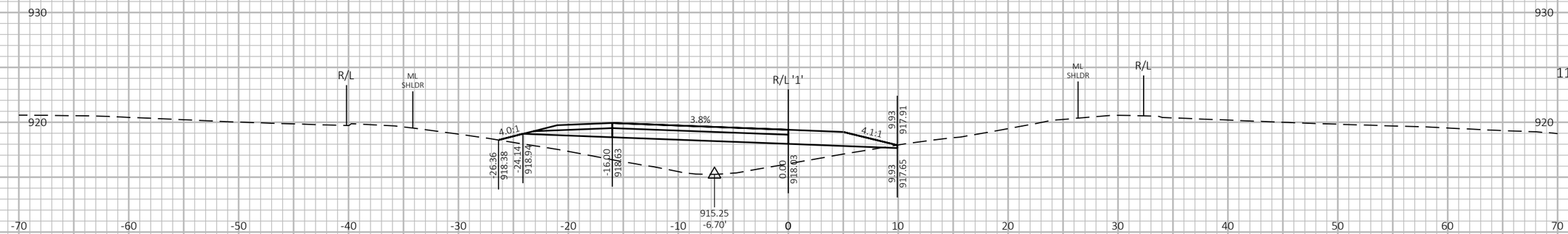
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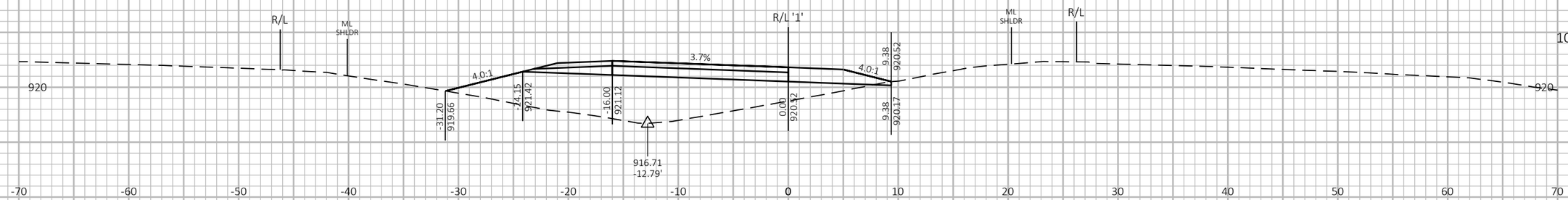
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LAYOUT NAME - 02

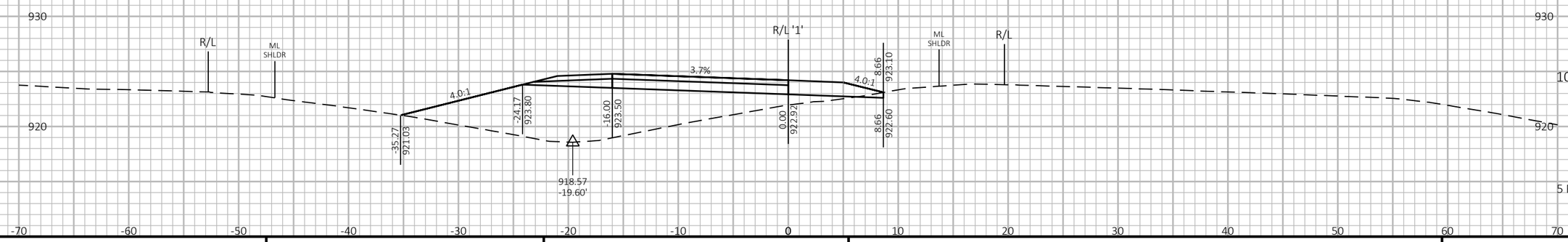
PLOT DATE : 7/26/2023 3:58 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG SOUTH TEMPORARY CROSSOVER USH 53 NB - 'T1' ALIGNMENT







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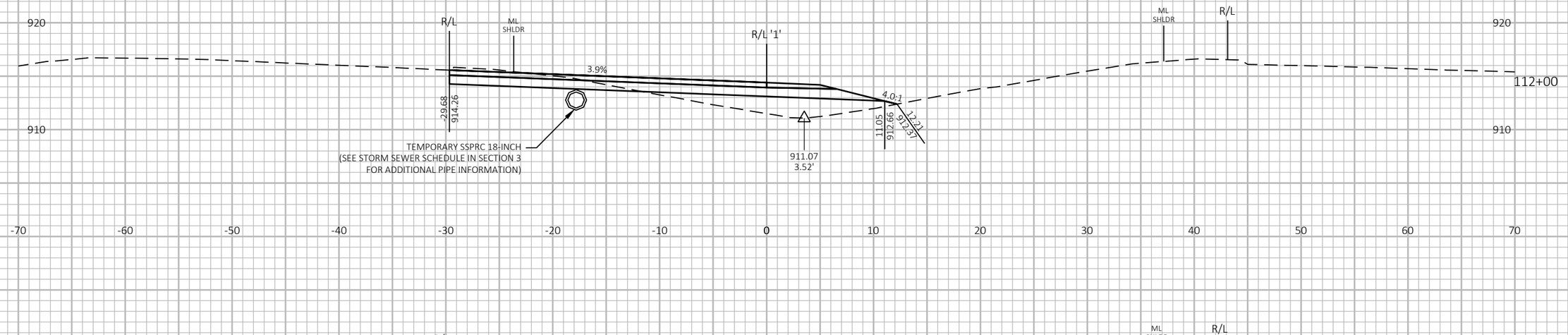
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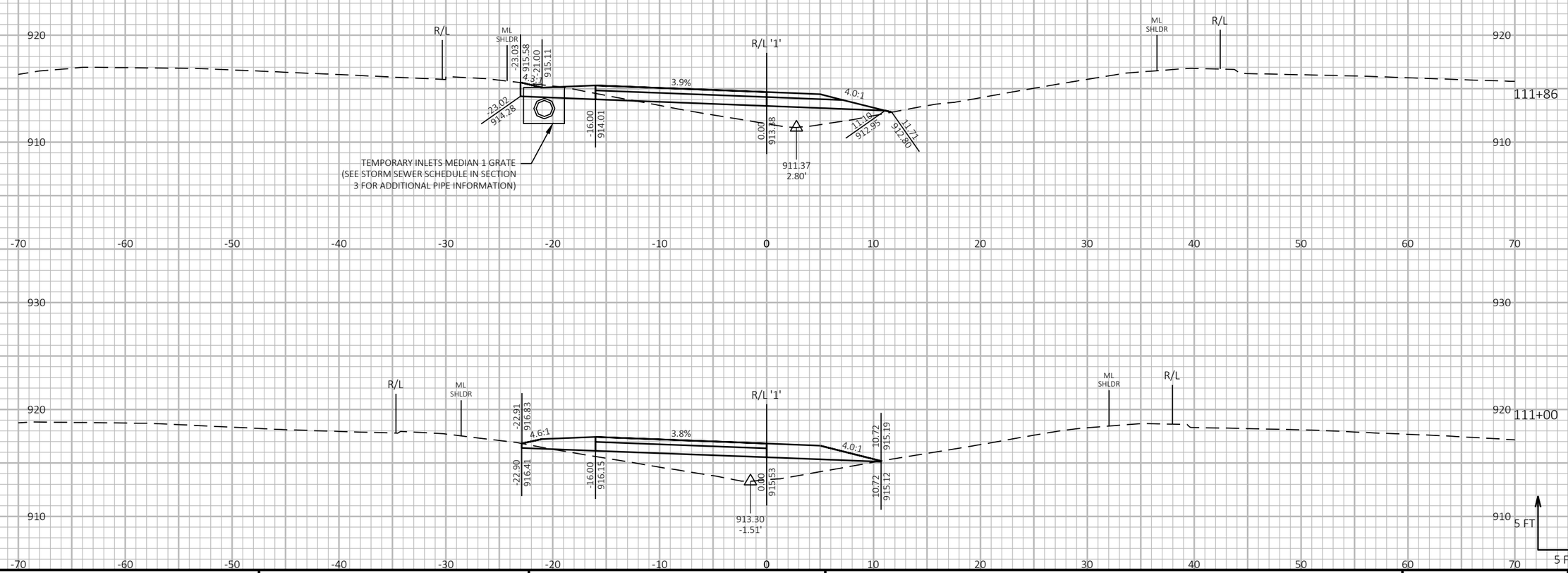
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - SOUTH PROJECT LIMIT - 1	SHEET 1208 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090233-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/26/2023 3:58 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG SOUTH TEMPORARY CROSSOVER USH 53 NB - 'T1' ALIGNMENT





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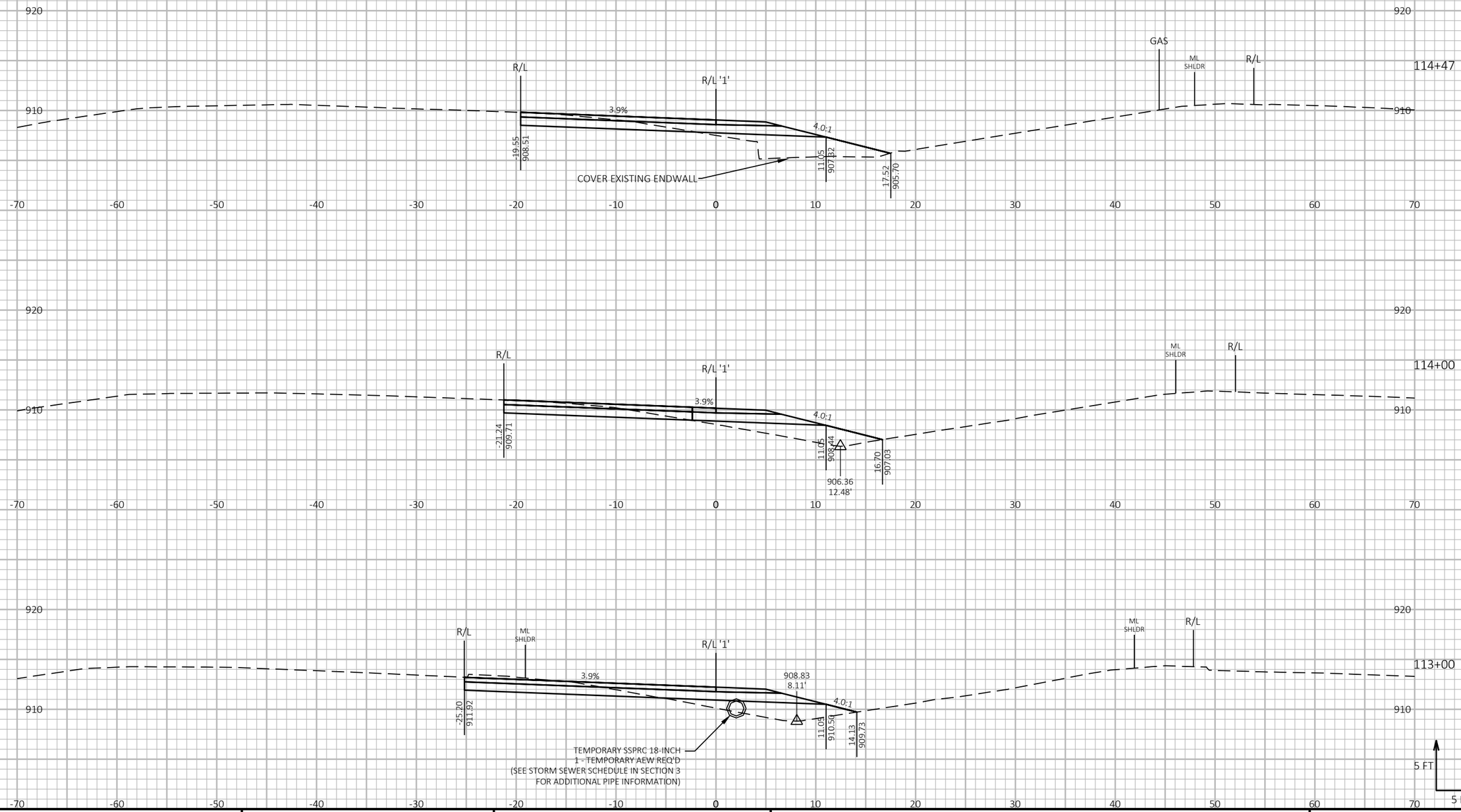
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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - SOUTH PROJECT LIMIT - 1	SHEET 1209 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090233-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 7/26/2023 3:58 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG SOUTH TEMPORARY CROSSOVER USH 53 NB - 'T1' ALIGNMENT



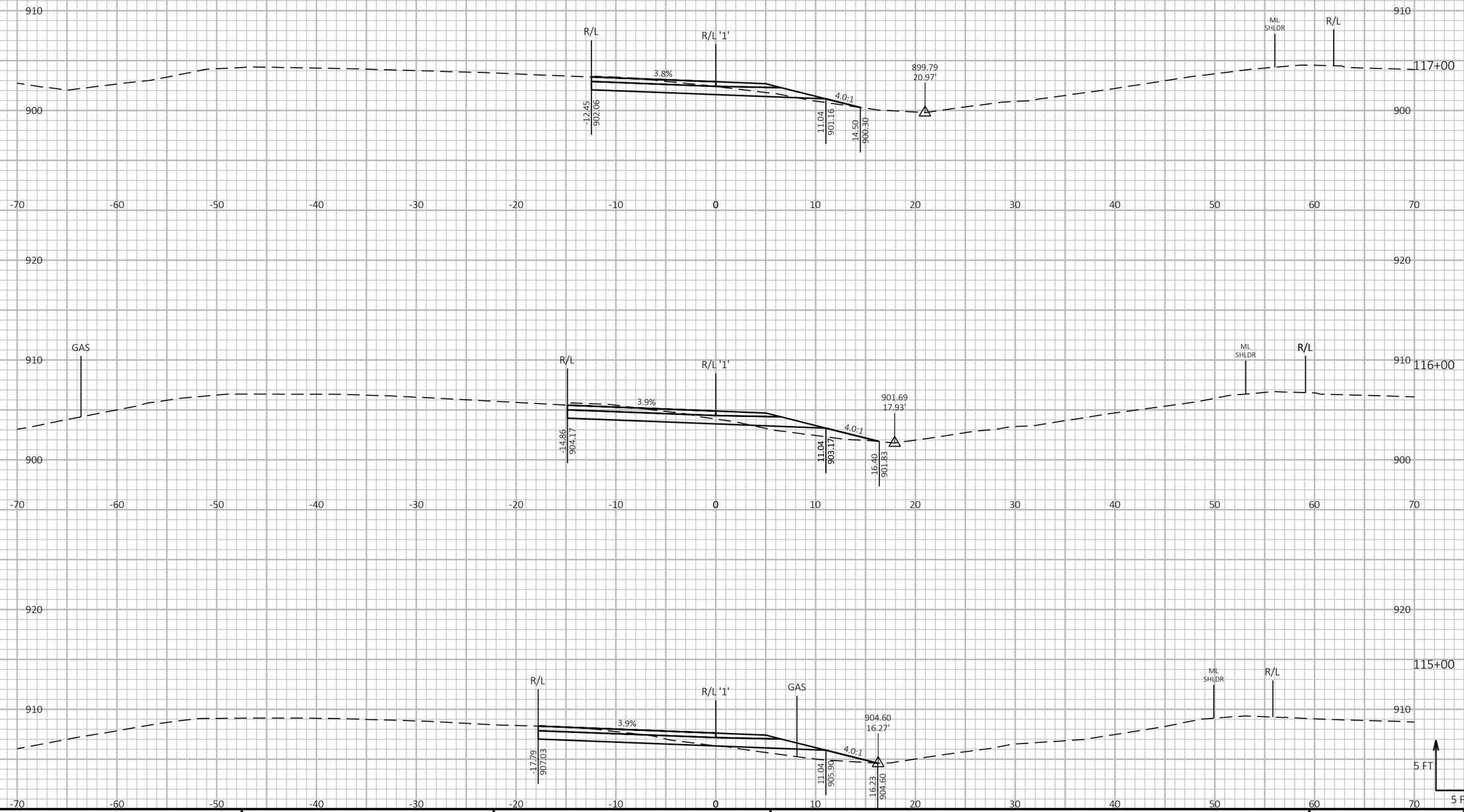
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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - SOUTH PROJECT LIMIT - 1	SHEET 1210	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090233-XS.DWG
LAYOUT NAME - 05

PLOT DATE : 7/26/2023 3:59 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG SOUTH TEMPORARY CROSSOVER USH 53 NB - 'T1' ALIGNMENT



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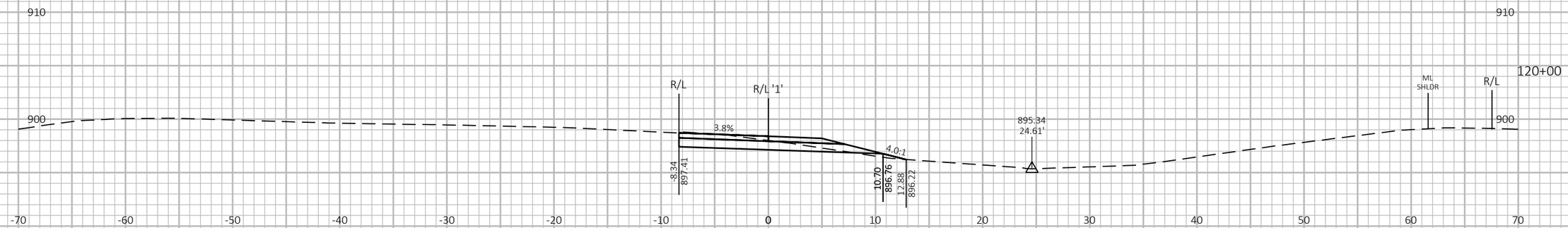
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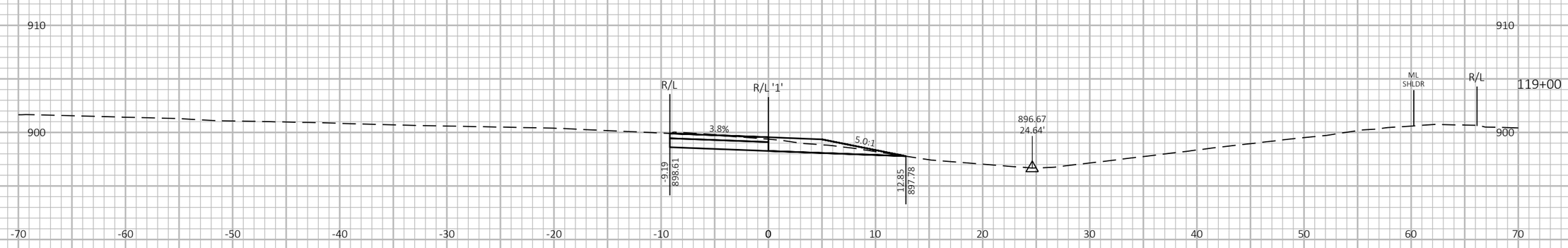
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LAYOUT NAME - 06

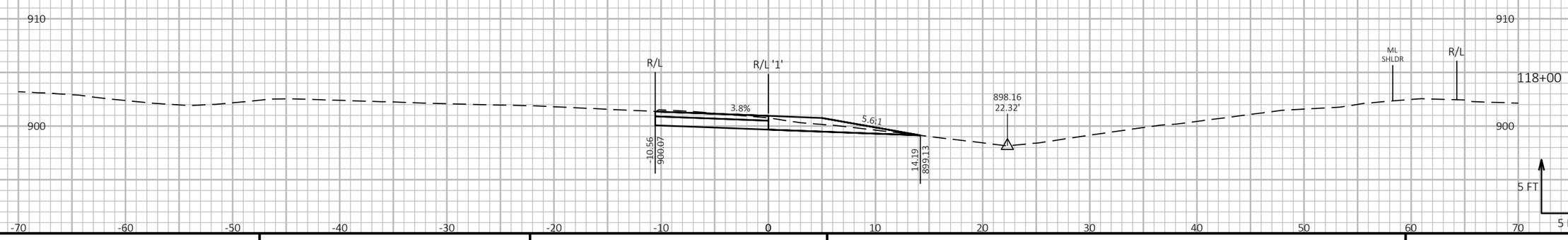
PLOT DATE : 7/26/2023 3:59 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG SOUTH TEMPORARY CROSSOVER USH 53 NB - 'T1' ALIGNMENT







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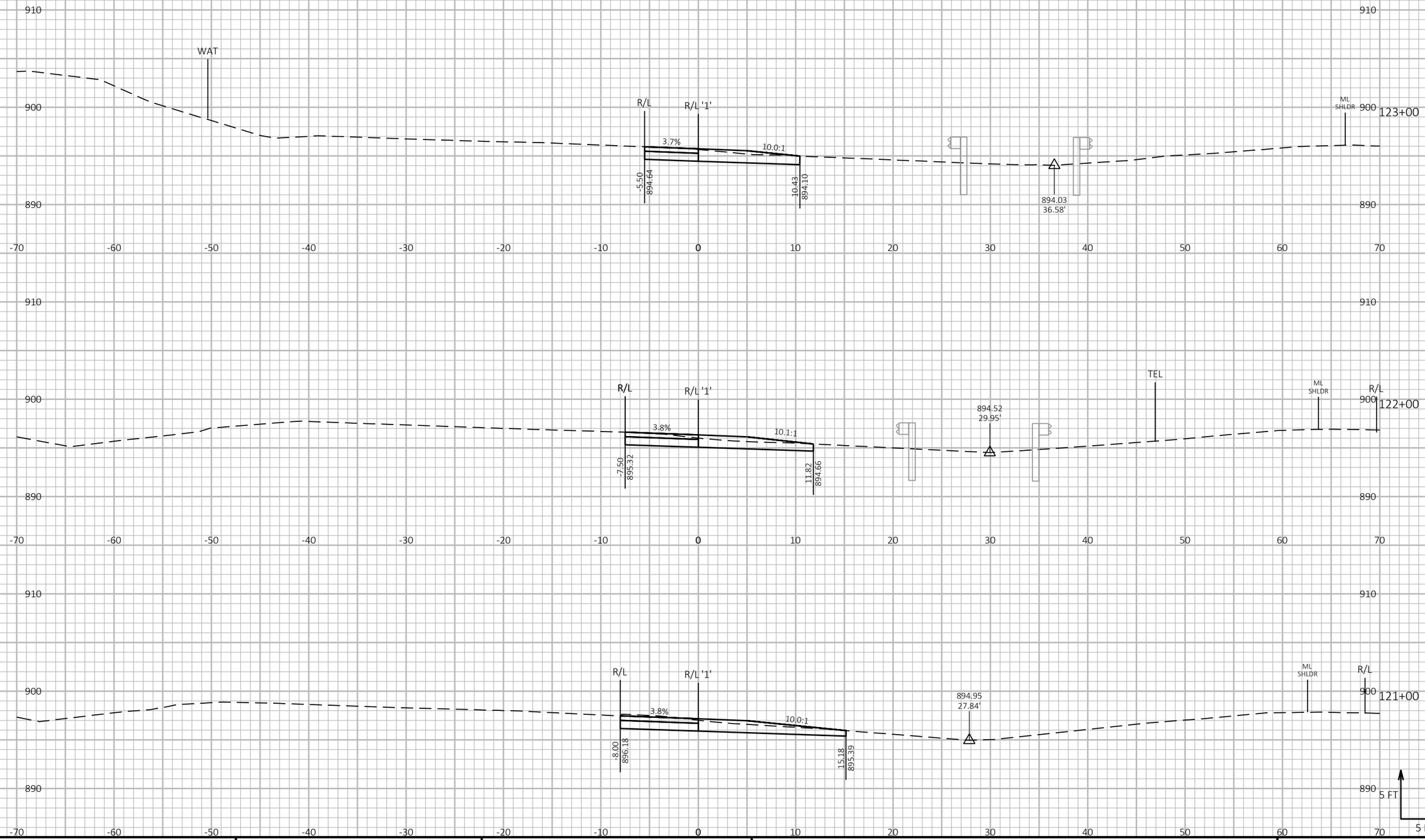
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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - SOUTH PROJECT LIMIT - 1	SHEET 1212	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090233-XS.DWG
LAYOUT NAME - 07

PLOT DATE : 7/26/2023 3:59 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG SOUTH TEMPORARY CROSSOVER USH 53 NB - 'T1' ALIGNMENT

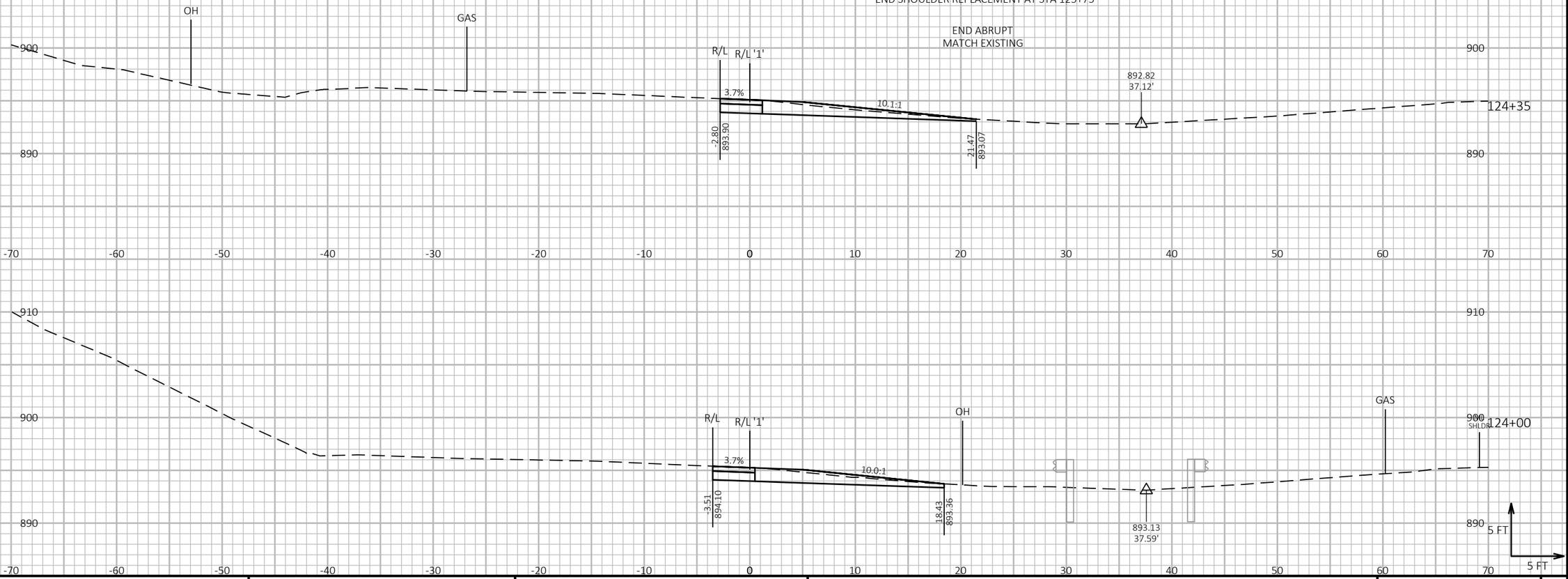


PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - SOUTH PROJECT LIMIT - 1	SHEET 1213 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090233-XS.DWG
LAYOUT NAME - 08

PLOT DATE : 7/26/2023 3:59 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG SOUTH TEMPORARY CROSSOVER USH 53 NB - 'T1' ALIGNMENT



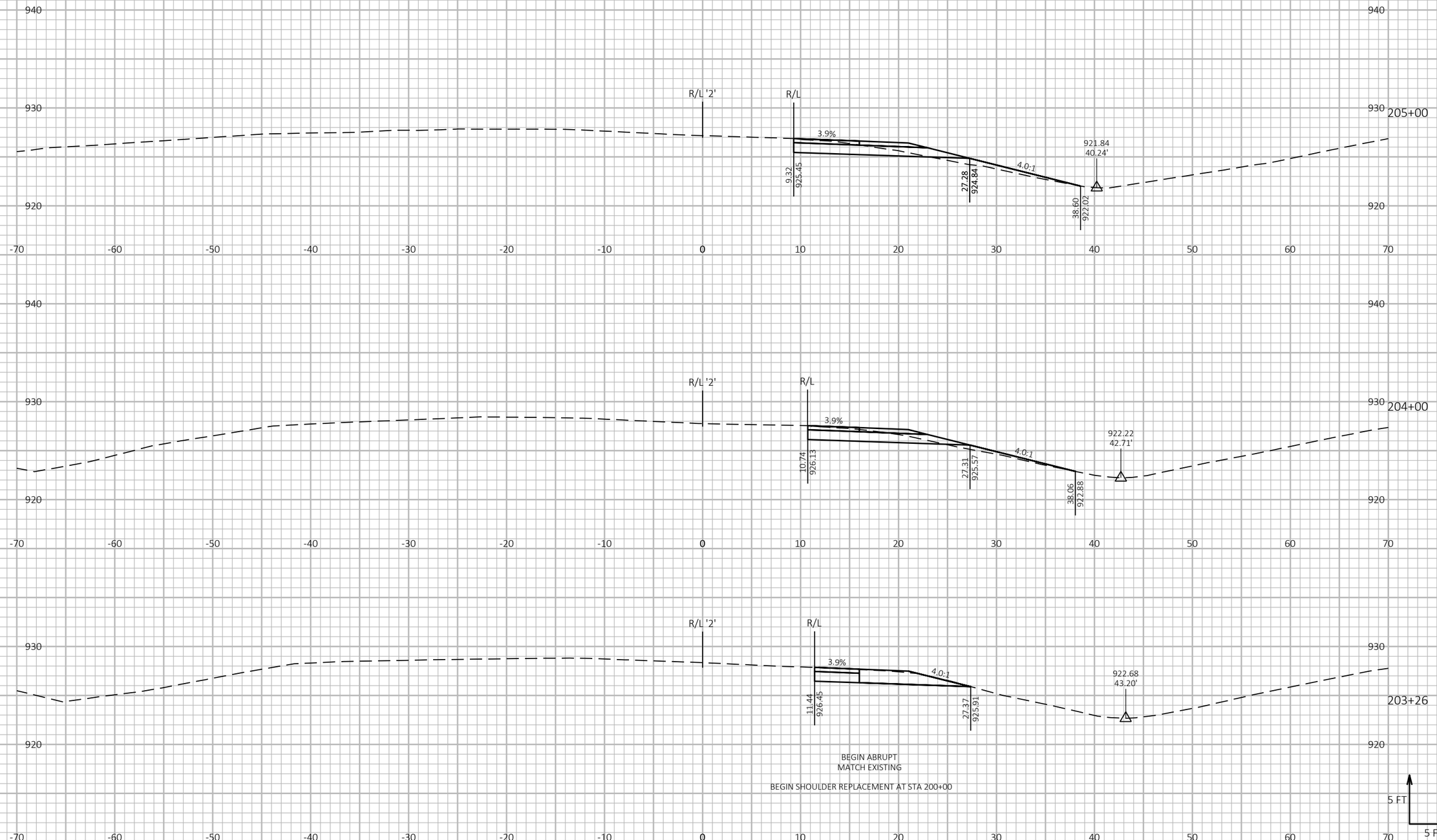
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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - SOUTH PROJECT LIMIT - 1	SHEET 1214	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090233-XS.DWG
LAYOUT NAME - 09

PLOT DATE : 7/26/2023 3:59 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG SOUTH TEMPORARY CROSSOVER USH 53 SB - 'T2' ALIGNMENT



BEGIN ABRUPT
MATCH EXISTING

BEGIN SHOULDER REPLACEMENT AT STA 200+00

5 FT
5 FT

9

9

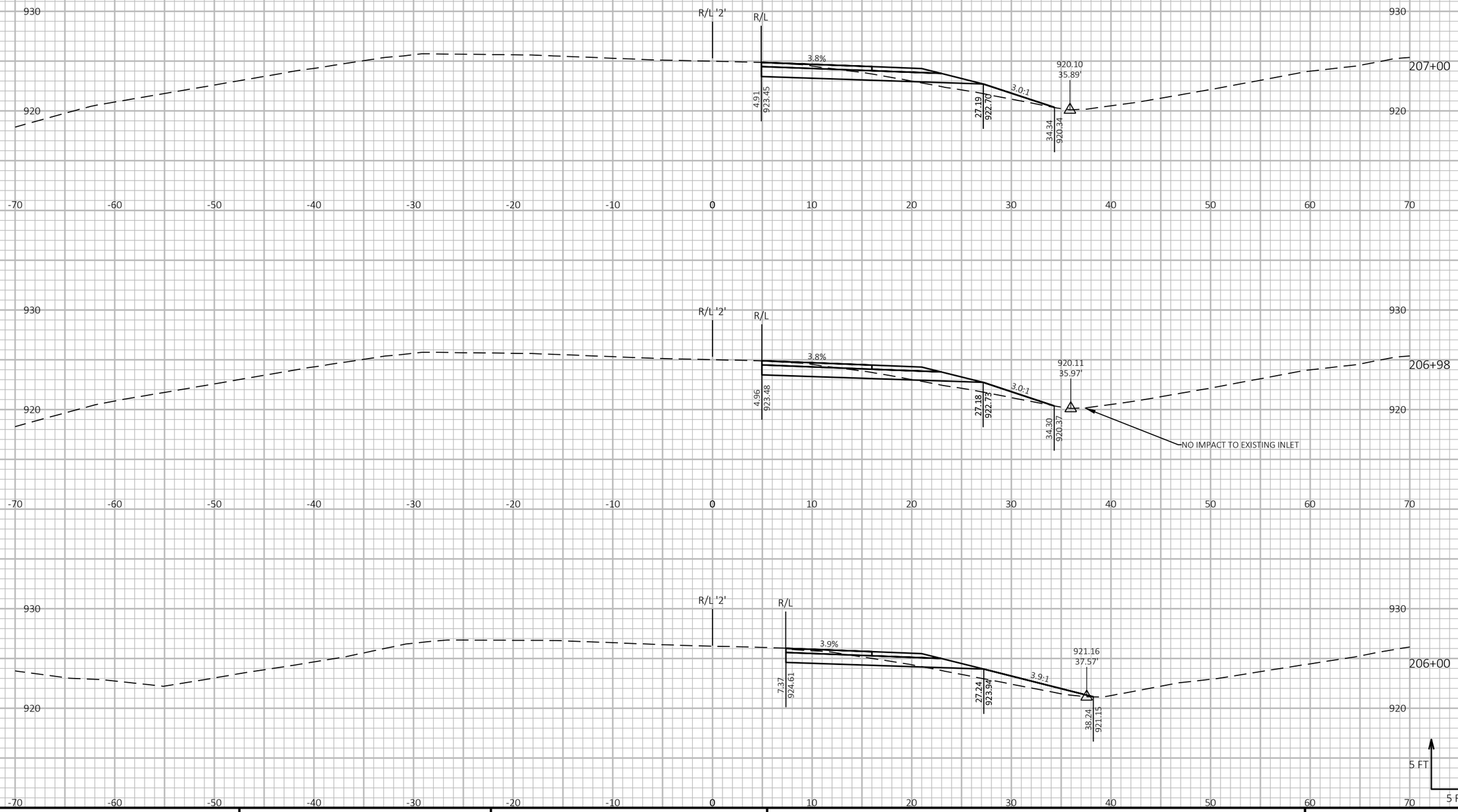
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - SOUTH PROJECT LIMIT - 2	SHEET 1215	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090234-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 4:02 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG SOUTH TEMPORARY CROSSOVER USH 53 SB - 'T2' ALIGNMENT



9

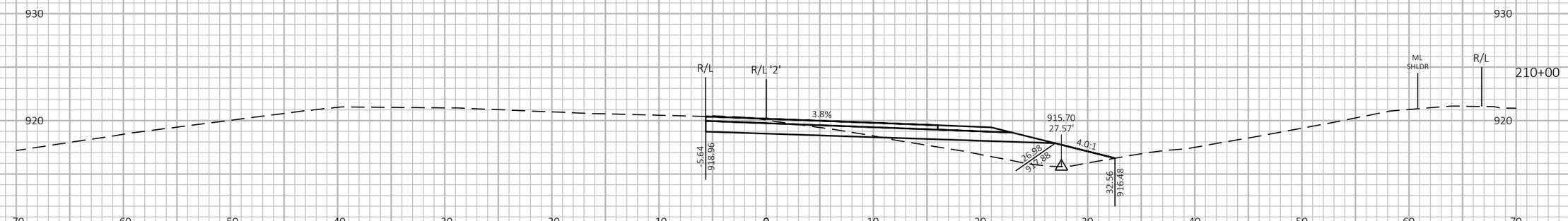
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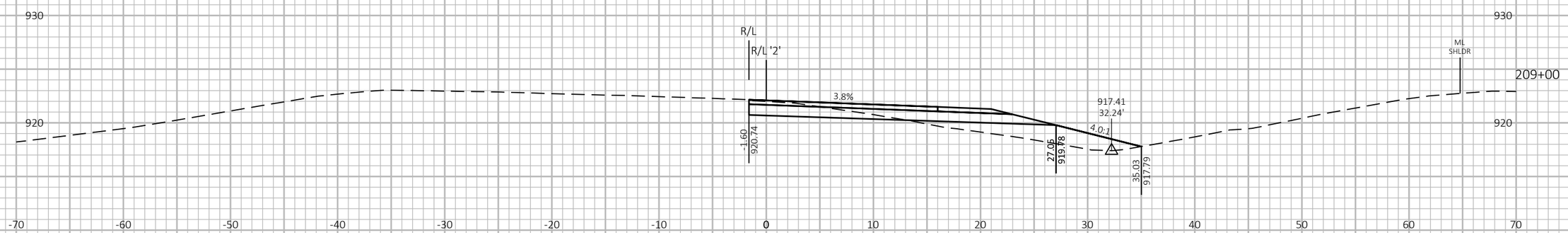
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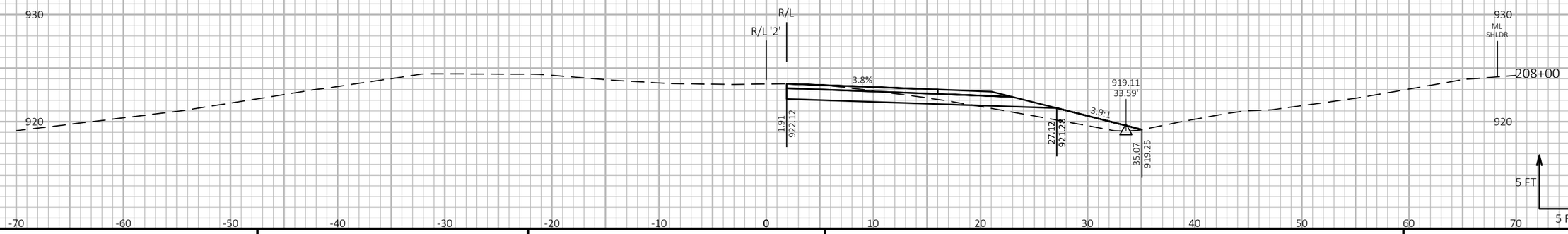
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090234-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/26/2023 4:02 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG SOUTH TEMPORARY CROSSOVER USH 53 SB - 'T2' ALIGNMENT







9

9

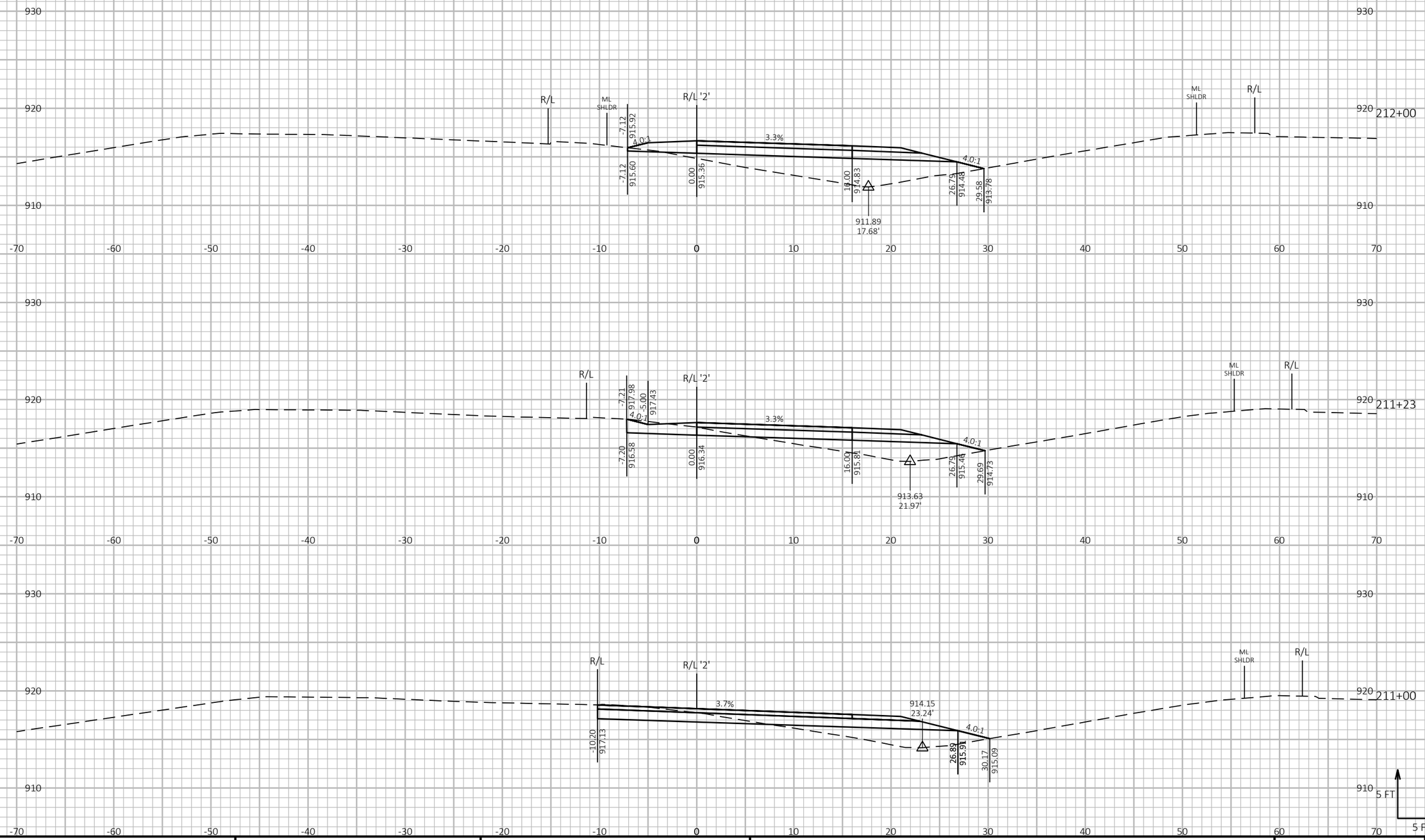
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - SOUTH PROJECT LIMIT - 2	SHEET 1217	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090234-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/26/2023 4:02 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG SOUTH TEMPORARY CROSSOVER USH 53 SB - 'T2' ALIGNMENT



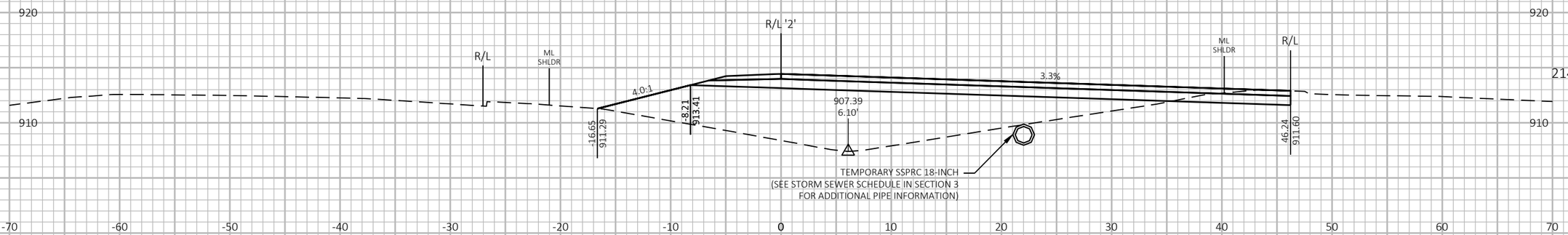
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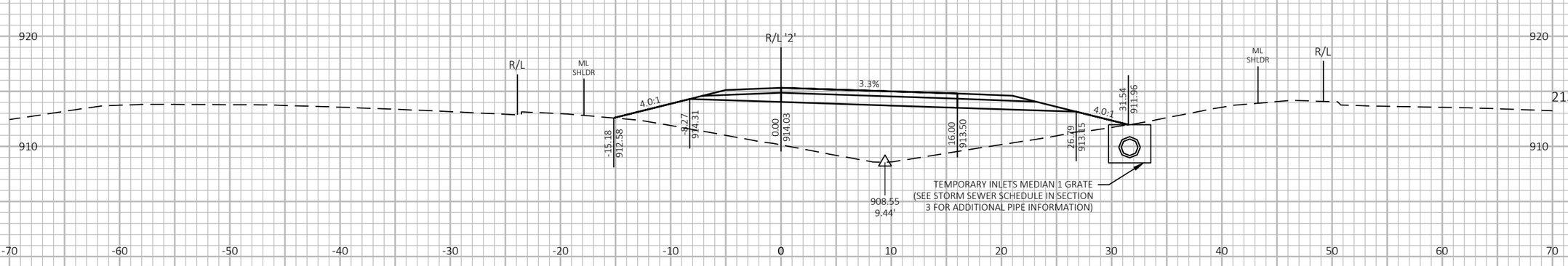
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LAYOUT NAME - 04

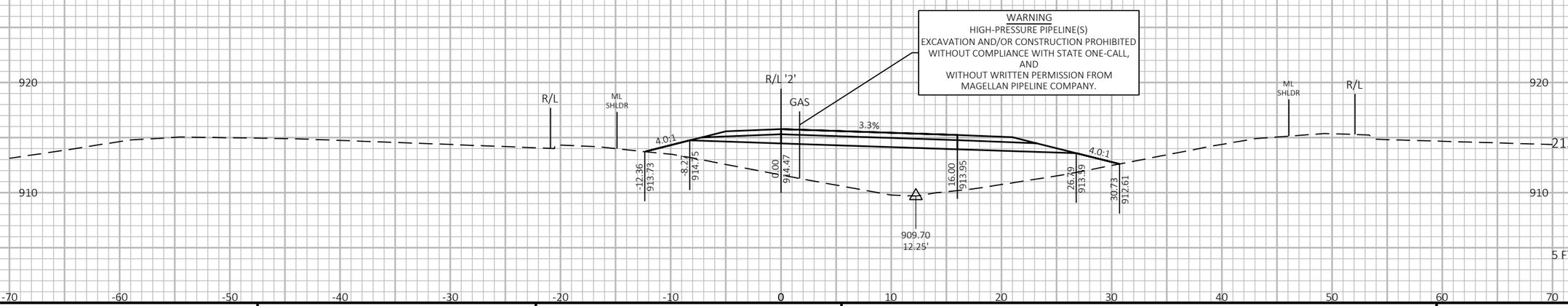
PLOT DATE : 7/26/2023 4:02 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG SOUTH TEMPORARY CROSSOVER USH 53 SB - 'T2' ALIGNMENT







9

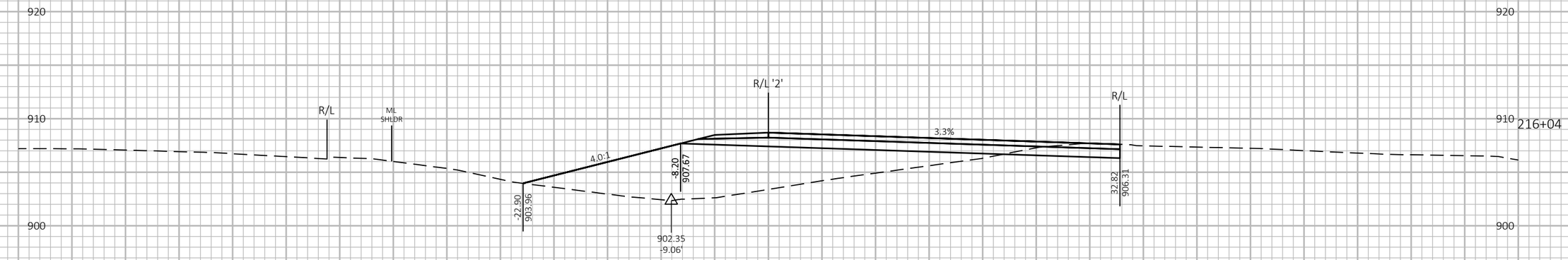
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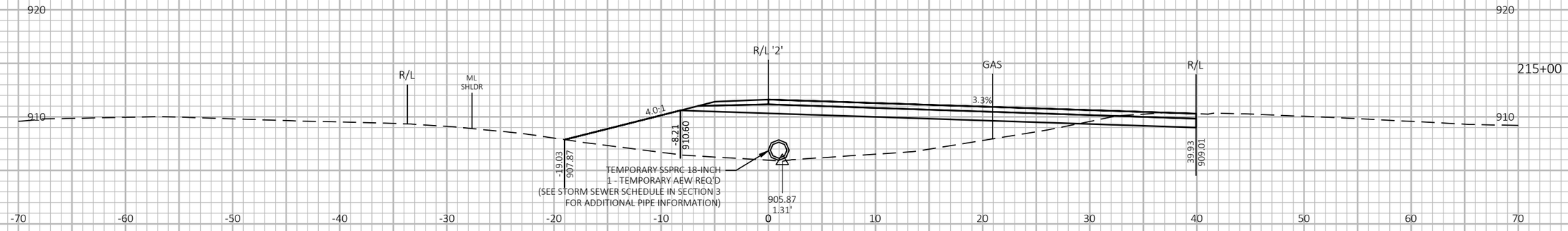
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - SOUTH PROJECT LIMIT - 2	SHEET 1219	E

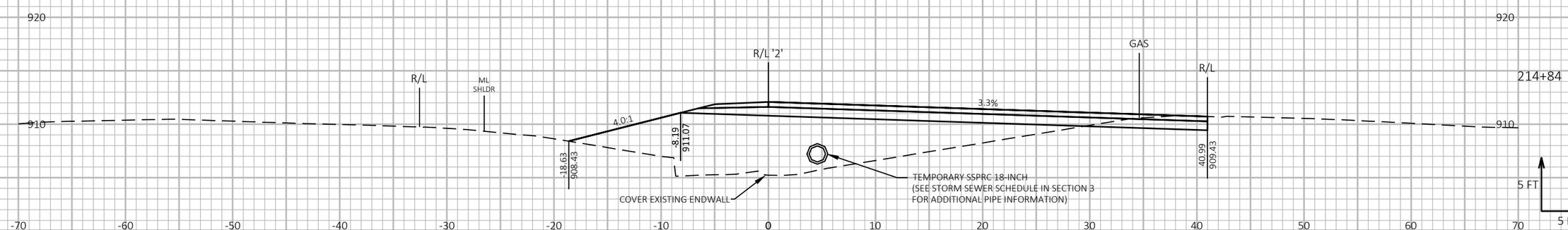
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090234-XS.DWG
LAYOUT NAME - 05

PLOT DATE : 7/26/2023 4:02 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG SOUTH TEMPORARY CROSSOVER USH 53 SB - 'T2' ALIGNMENT







9

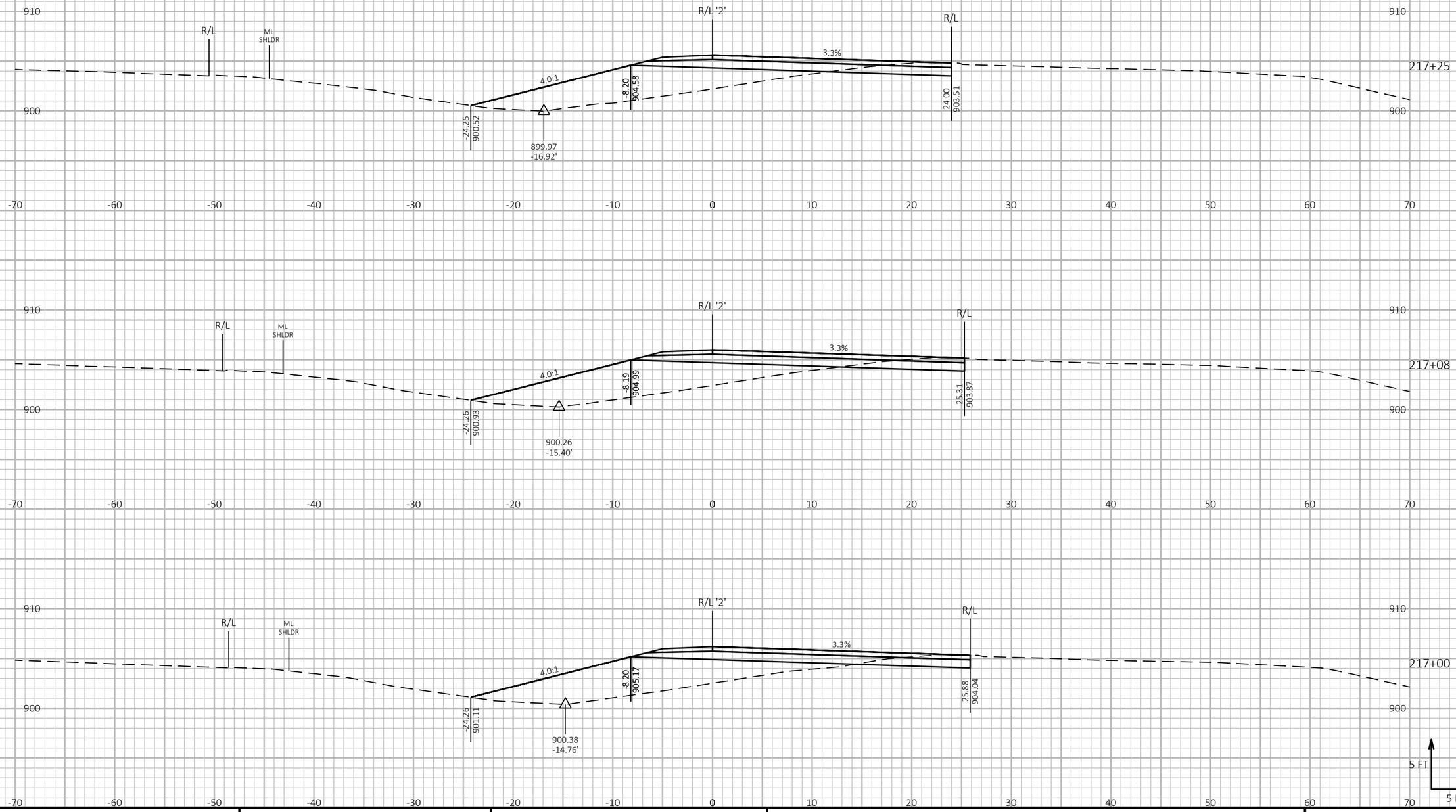
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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - SOUTH PROJECT LIMIT - 2	SHEET 1220	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090234-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/26/2023 4:02 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG SOUTH TEMPORARY CROSSOVER USH 53 SB - 'T2' ALIGNMENT



9

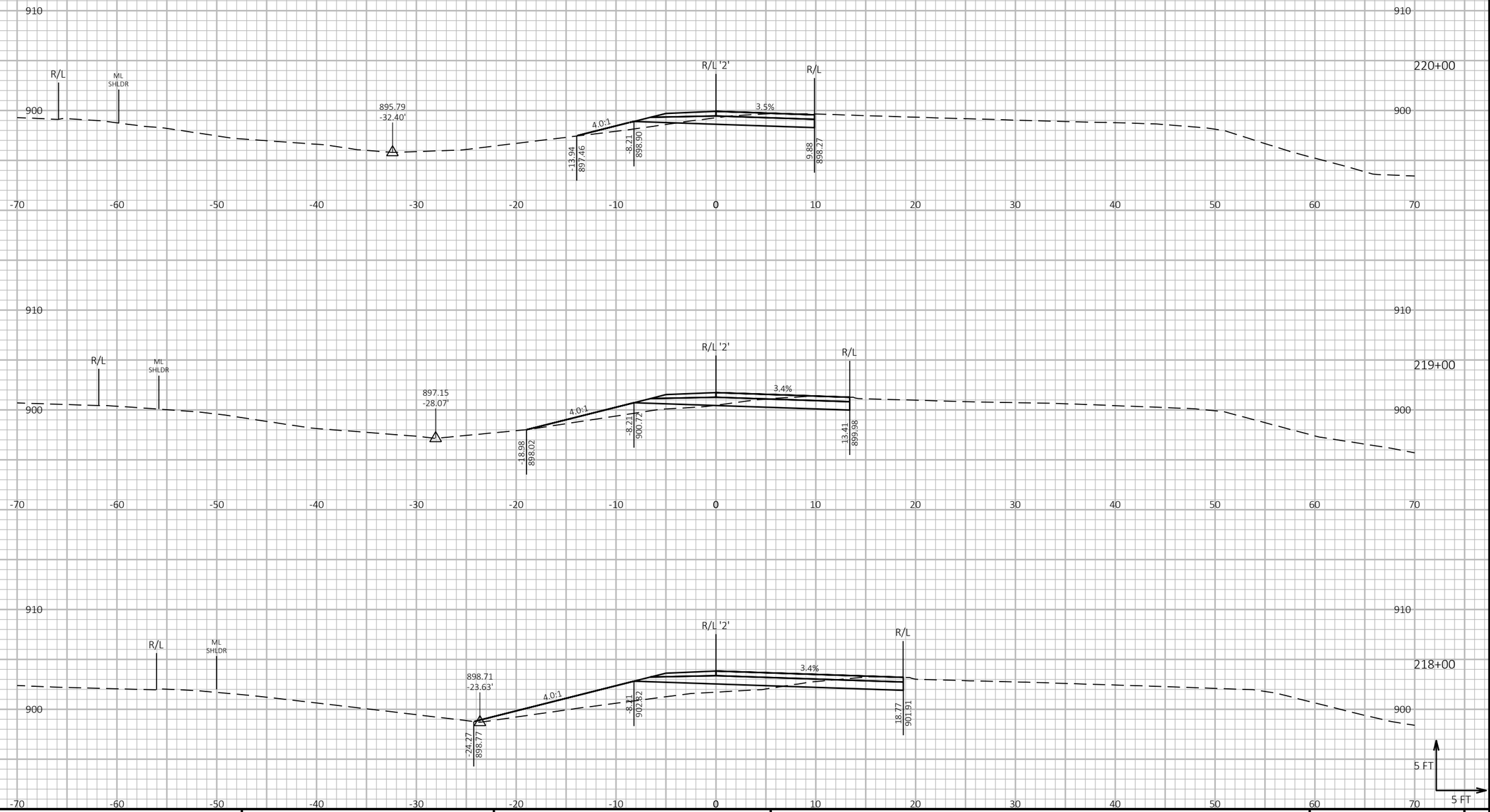
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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - SOUTH PROJECT LIMIT - 2	SHEET 1221 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090234-XS.DWG
LAYOUT NAME - 07

PLOT DATE : 7/26/2023 4:02 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG SOUTH TEMPORARY CROSSOVER USH 53 SB - 'T2' ALIGNMENT



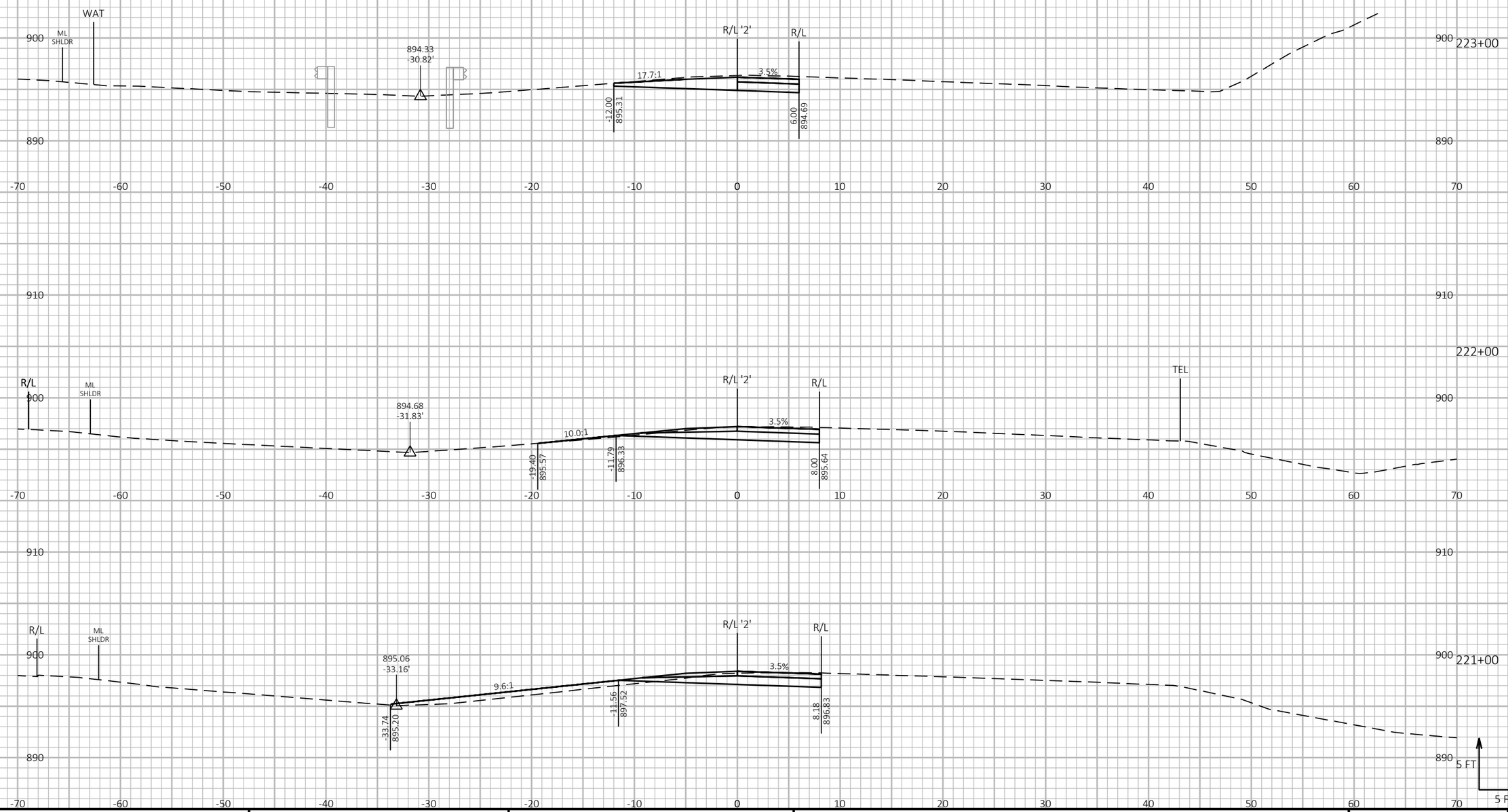
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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - SOUTH PROJECT LIMIT - 2	SHEET 1222	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090234-XS.DWG
LAYOUT NAME - 08

PLOT DATE : 7/26/2023 4:02 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG SOUTH TEMPORARY CROSSOVER USH 53 SB - 'T2' ALIGNMENT



9

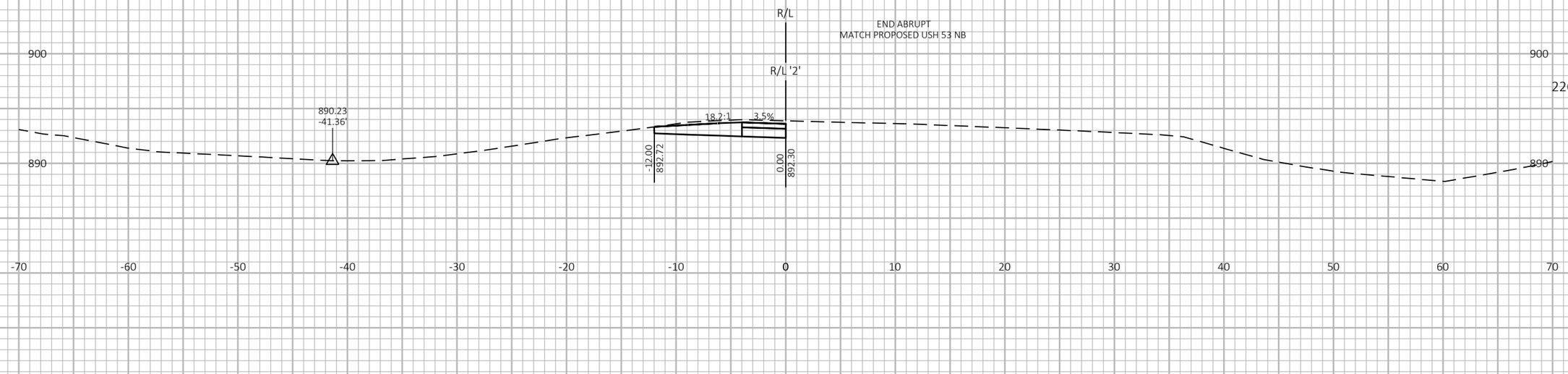
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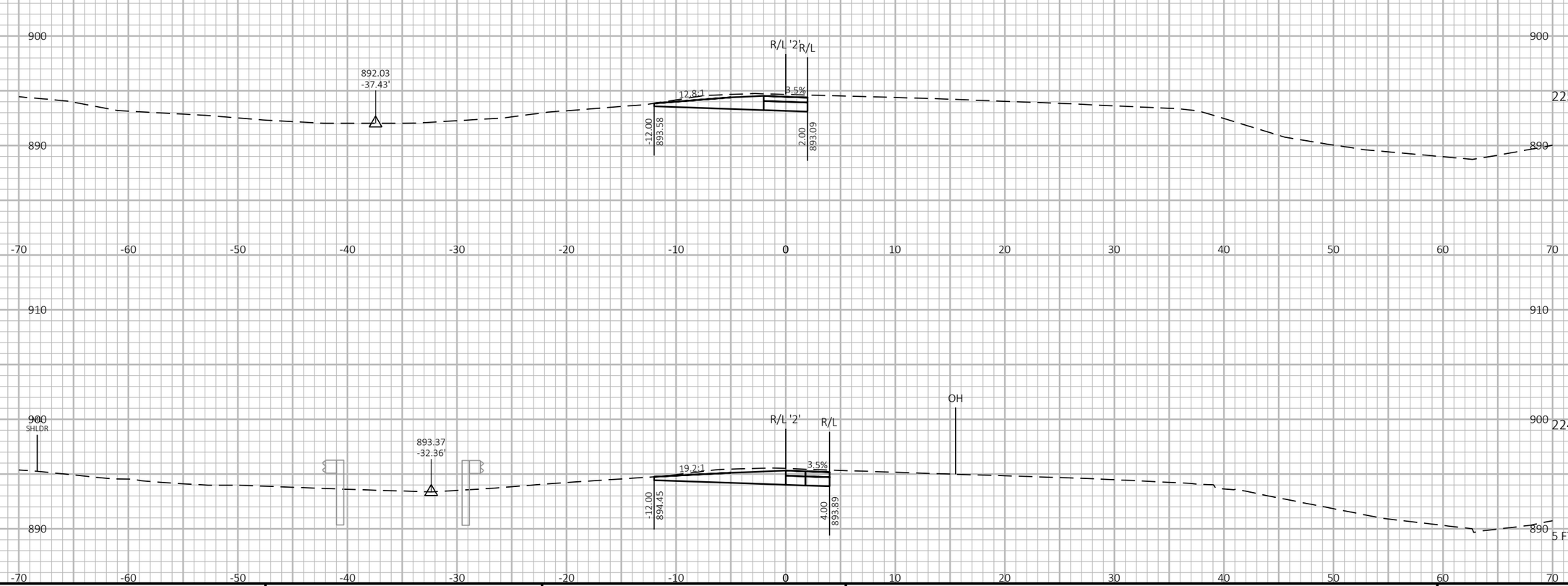
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LAYOUT NAME - 09

PLOT DATE : 7/26/2023 4:02 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG SOUTH TEMPORARY CROSSOVER USH 53 SB - 'T2' ALIGNMENT





9 9

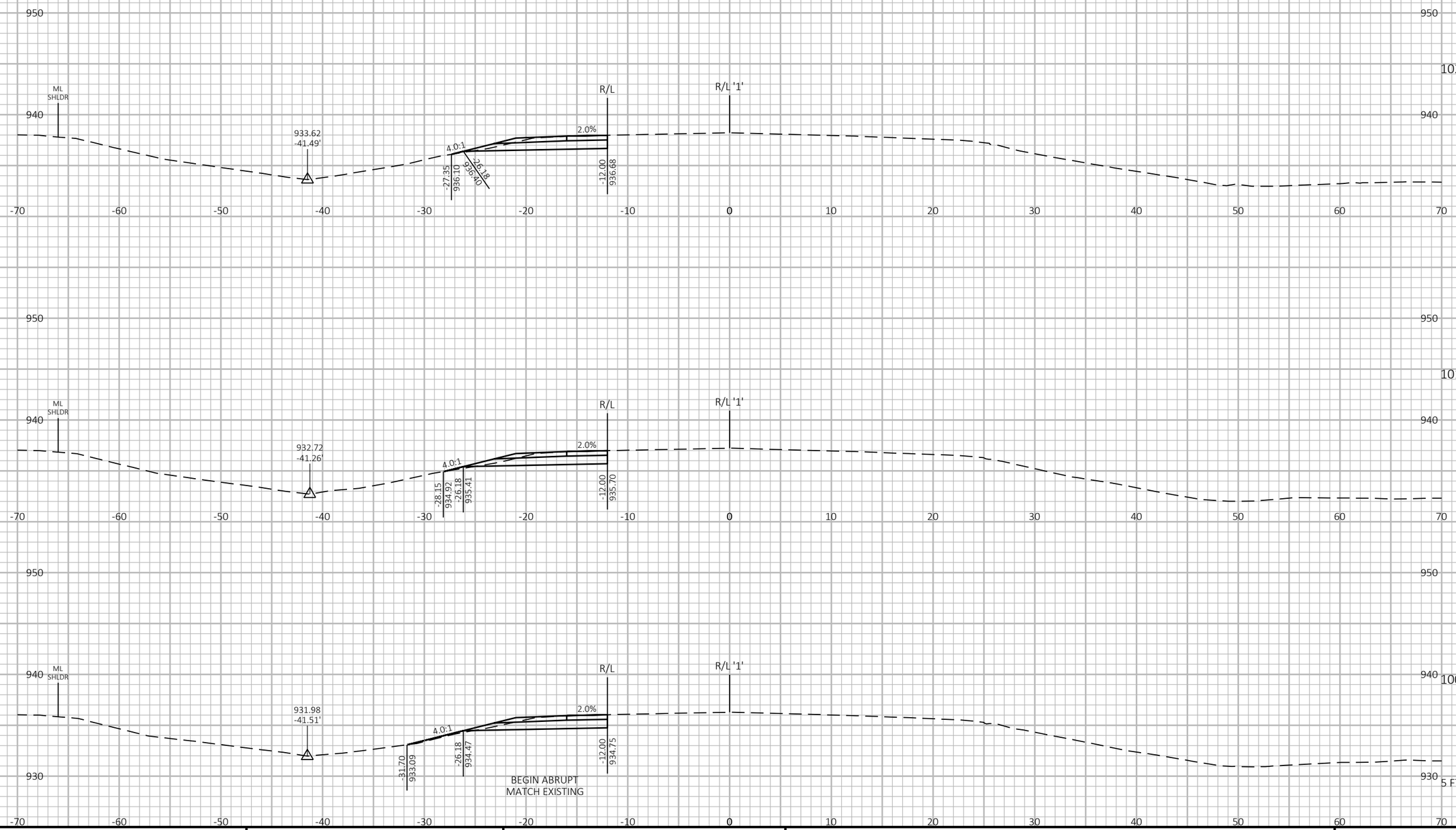
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - SOUTH PROJECT LIMIT - 2	SHEET 1224 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090234-XS.DWG
LAYOUT NAME - 10

PLOT DATE : 7/26/2023 4:02 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

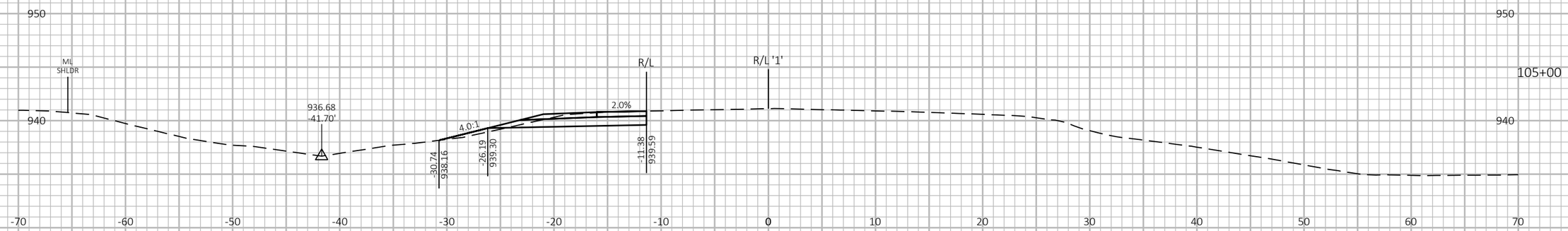
CROSS SECTIONS SHOWN ALONG MIDDLE TEMPORARY CROSSOVER USH 53 NB TO SB - 'TM1' ALIGNMENT

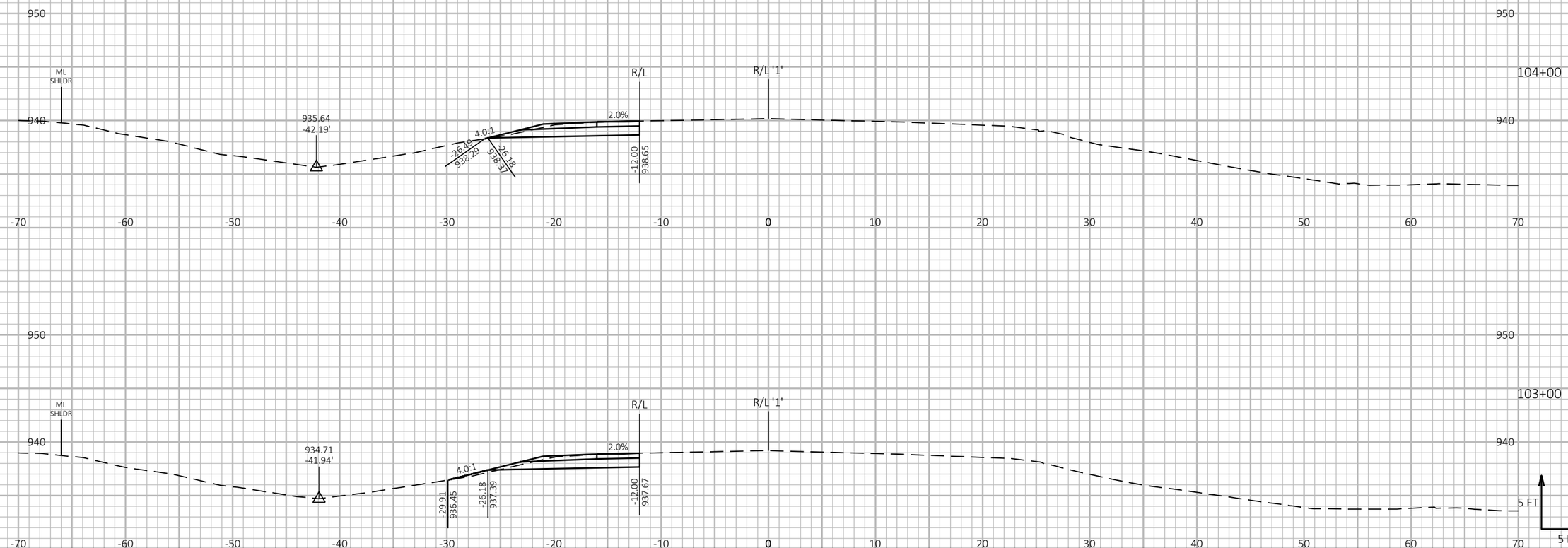


PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - MID 1	SHEET 1225	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090235-XS.DWG
LAYOUT NAME - 1
PLOT DATE : 7/26/2023 4:05 PM
PLOT BY : AUSTIN STRAHL
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG MIDDLE TEMPORARY CROSSOVER USH 53 NB TO SB - 'TM1' ALIGNMENT





9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - MID 1	SHEET 1226	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090235-XS.DWG
LAYOUT NAME - 2

PLOT DATE : 7/26/2023 4:05 PM

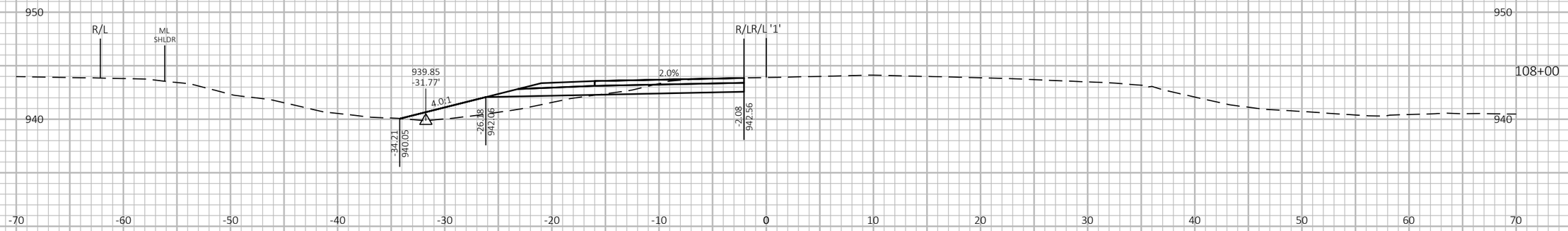
PLOT BY : AUSTIN STRAHL

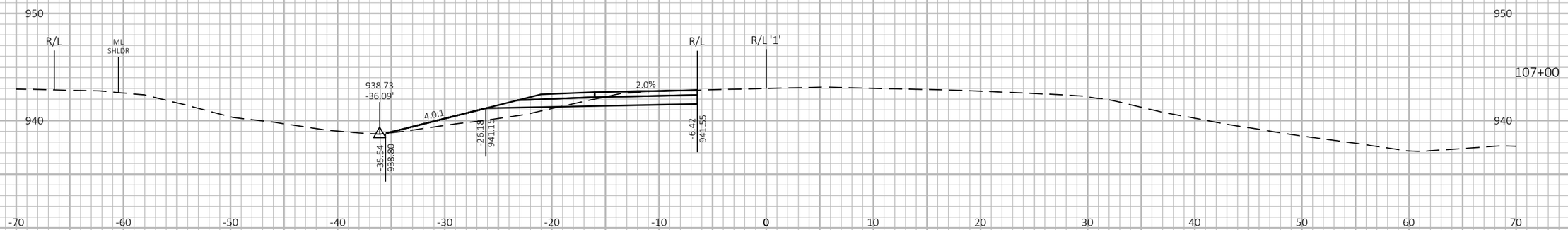
PLOT NAME :

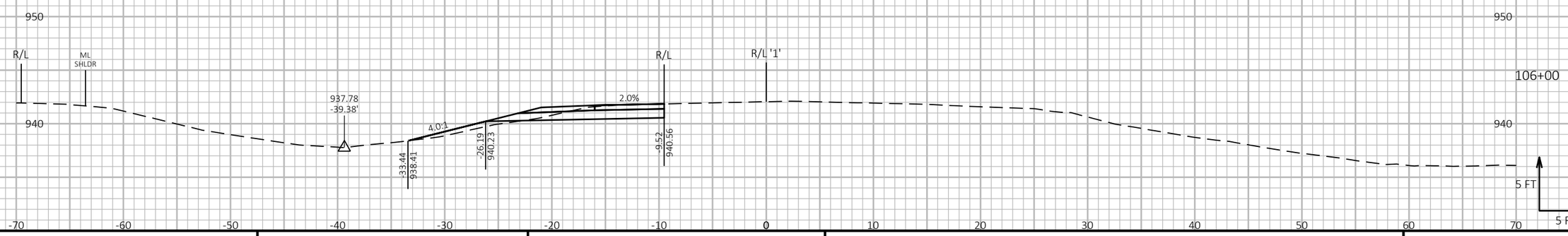
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG MIDDLE TEMPORARY CROSSOVER USH 53 NB TO SB - 'TM1' ALIGNMENT







9 9

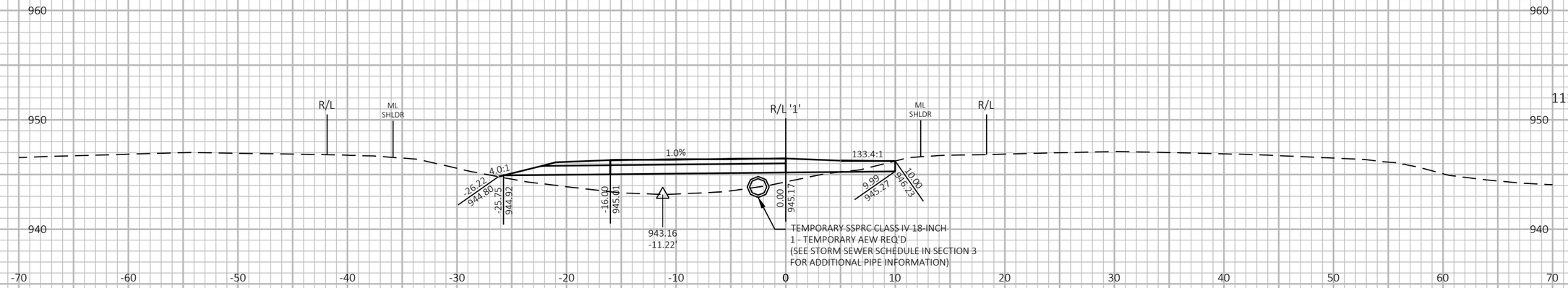
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - MID 1	SHEET 1227 E

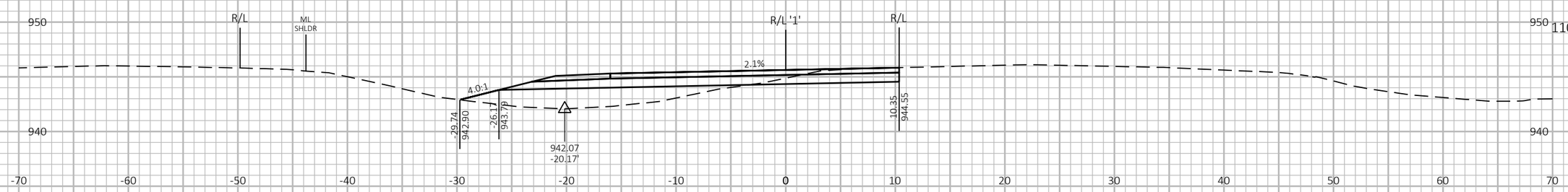
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LAYOUT NAME - 3

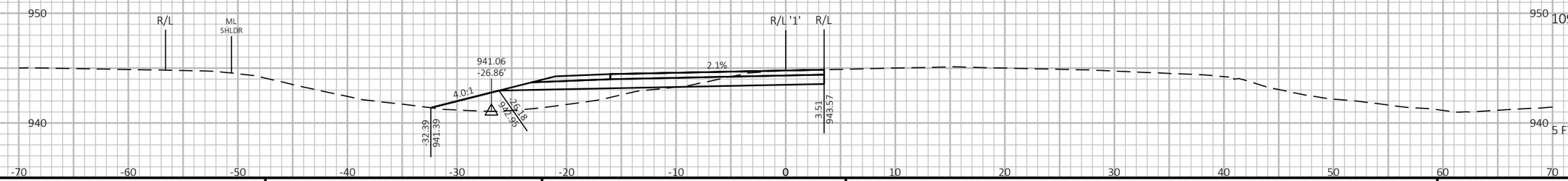
PLOT DATE : 7/26/2023 4:05 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG MIDDLE TEMPORARY CROSSOVER USH 53 NB TO SB - 'TM1' ALIGNMENT







9 9

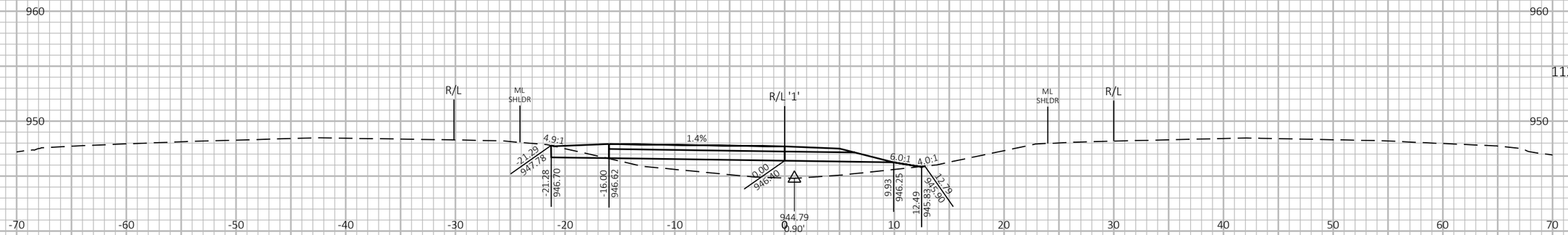
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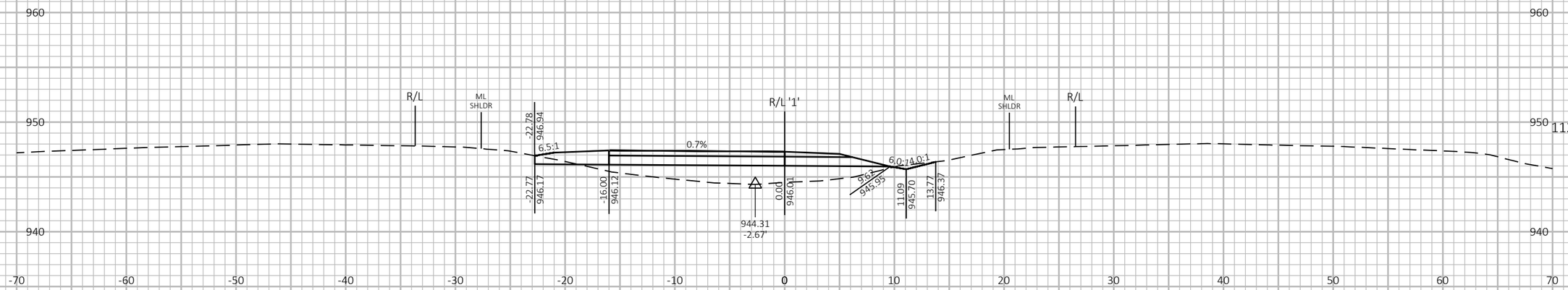
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090235-XS.DWG
LAYOUT NAME - 4

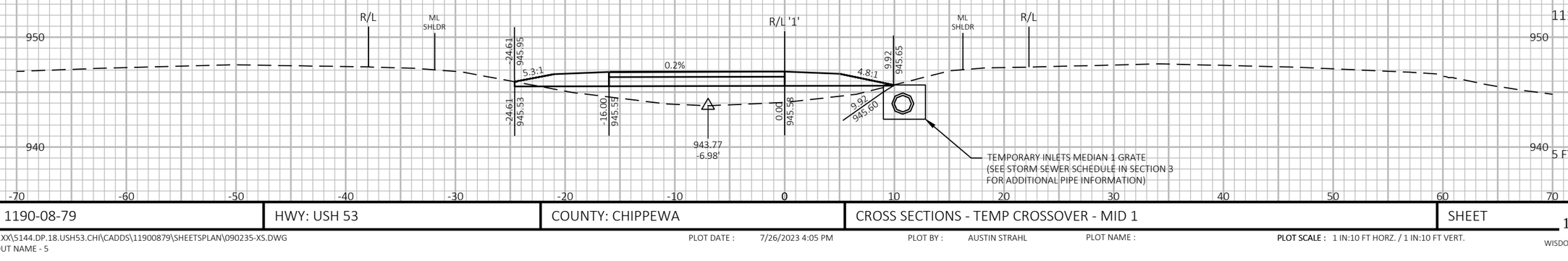
PLOT DATE : 7/26/2023 4:05 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG MIDDLE TEMPORARY CROSSOVER USH 53 NB TO SB - 'TM1' ALIGNMENT







9

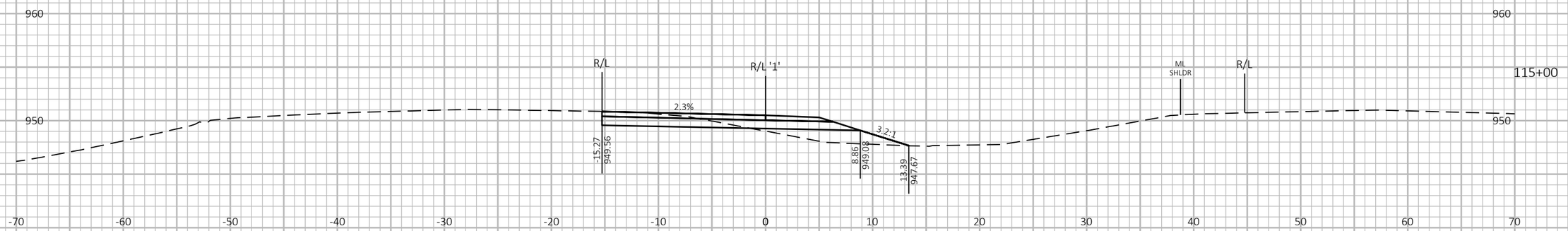
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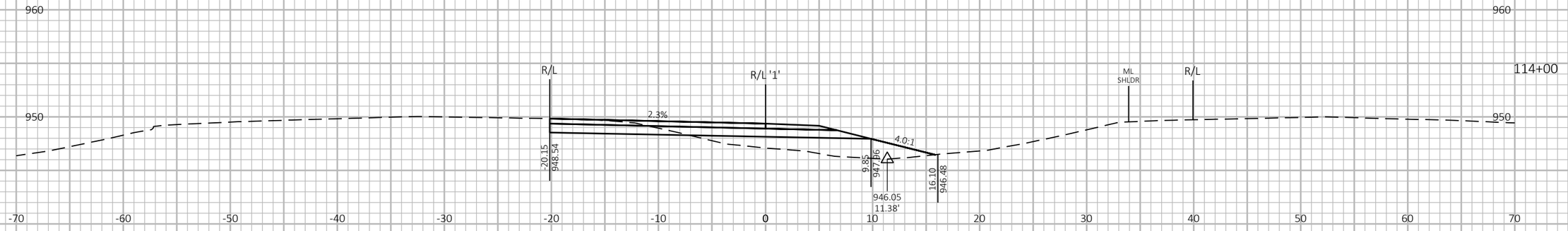
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - MID 1	SHEET 1229 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090235-XS.DWG
LAYOUT NAME - 5

PLOT DATE : 7/26/2023 4:05 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG MIDDLE TEMPORARY CROSSOVER USH 53 NB TO SB - 'TM1' ALIGNMENT







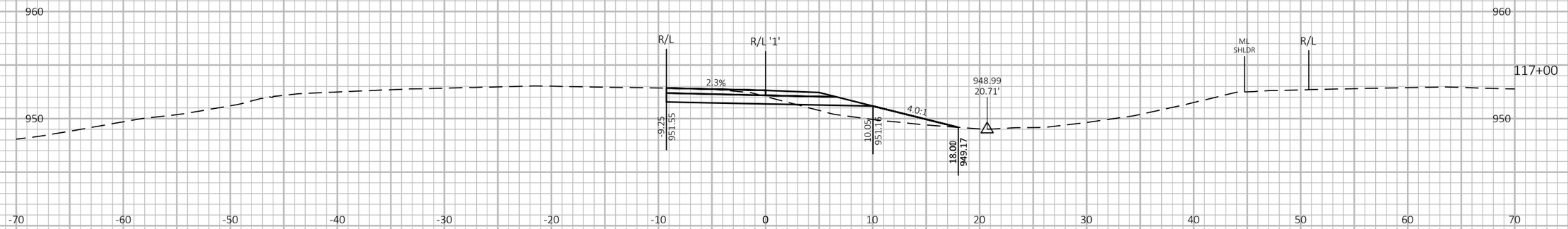
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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - MID 1	SHEET 1230	E

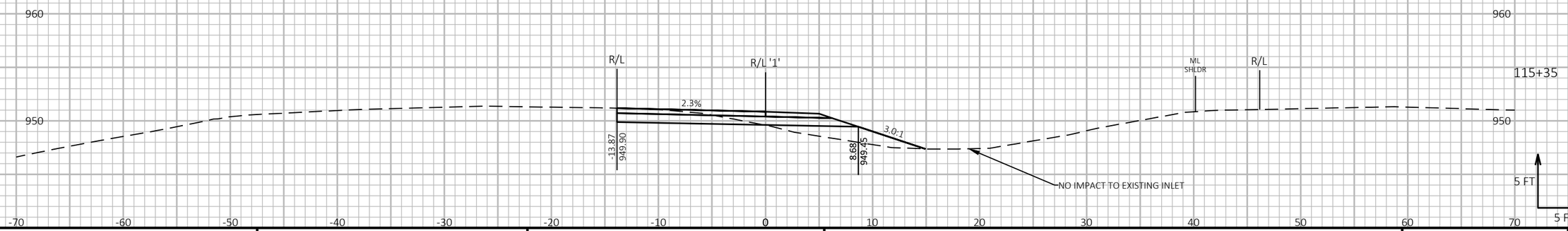
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090235-XS.DWG
LAYOUT NAME - 6

PLOT DATE : 7/26/2023 4:05 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG MIDDLE TEMPORARY CROSSOVER USH 53 NB TO SB - 'TM1' ALIGNMENT







9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - MID 1	SHEET 1231	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090235-XS.DWG
LAYOUT NAME - 7

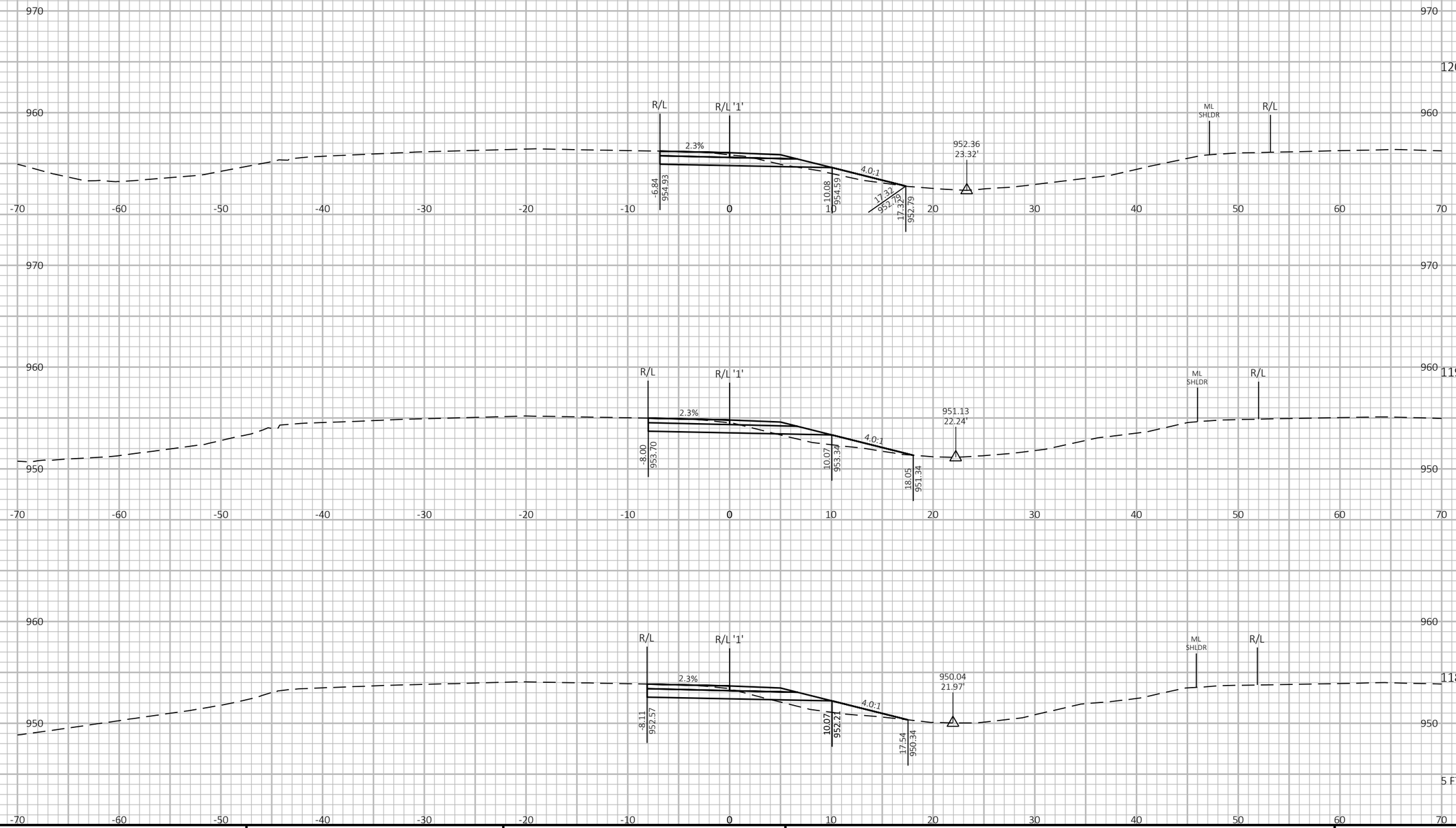
PLOT DATE : 7/26/2023 4:05 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

CROSS SECTIONS SHOWN ALONG MIDDLE TEMPORARY CROSSOVER USH 53 NB TO SB - 'TM1' ALIGNMENT



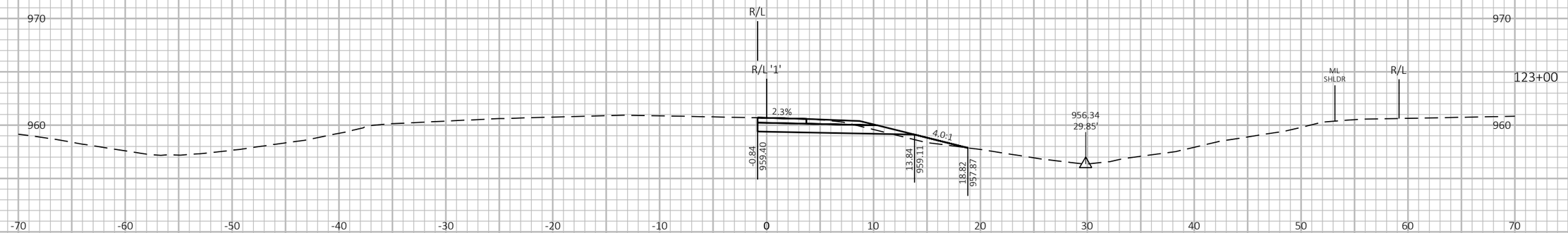
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - MID 1	SHEET 1232 E

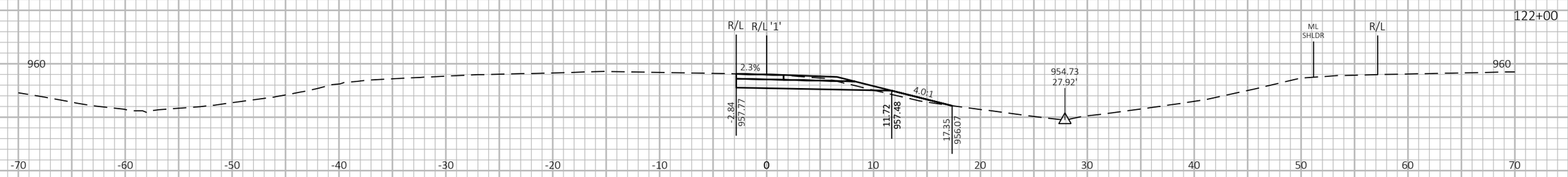
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LAYOUT NAME - 8

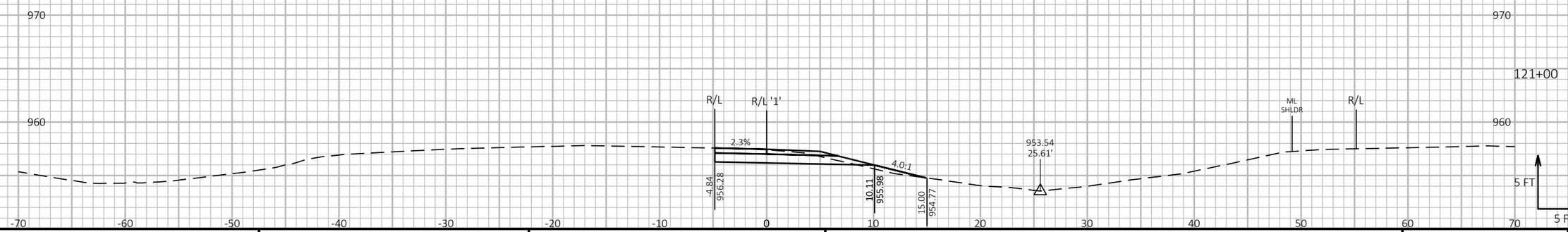
PLOT DATE : 7/26/2023 4:05 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG MIDDLE TEMPORARY CROSSOVER USH 53 NB TO SB - 'TM1' ALIGNMENT







9

9

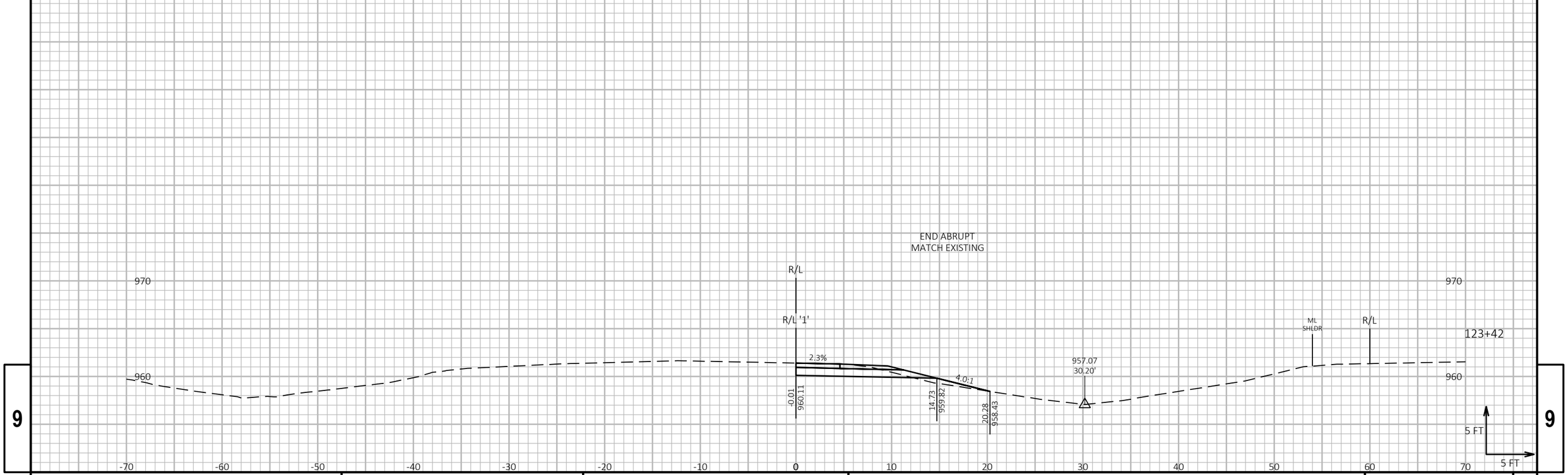
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - MID 1	SHEET 1233	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090235-XS.DWG
LAYOUT NAME - 9

PLOT DATE : 7/26/2023 4:05 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

CROSS SECTIONS SHOWN ALONG MIDDLE TEMPORARY CROSSOVER USH 53 NB TO SB - 'TM1' ALIGNMENT



9

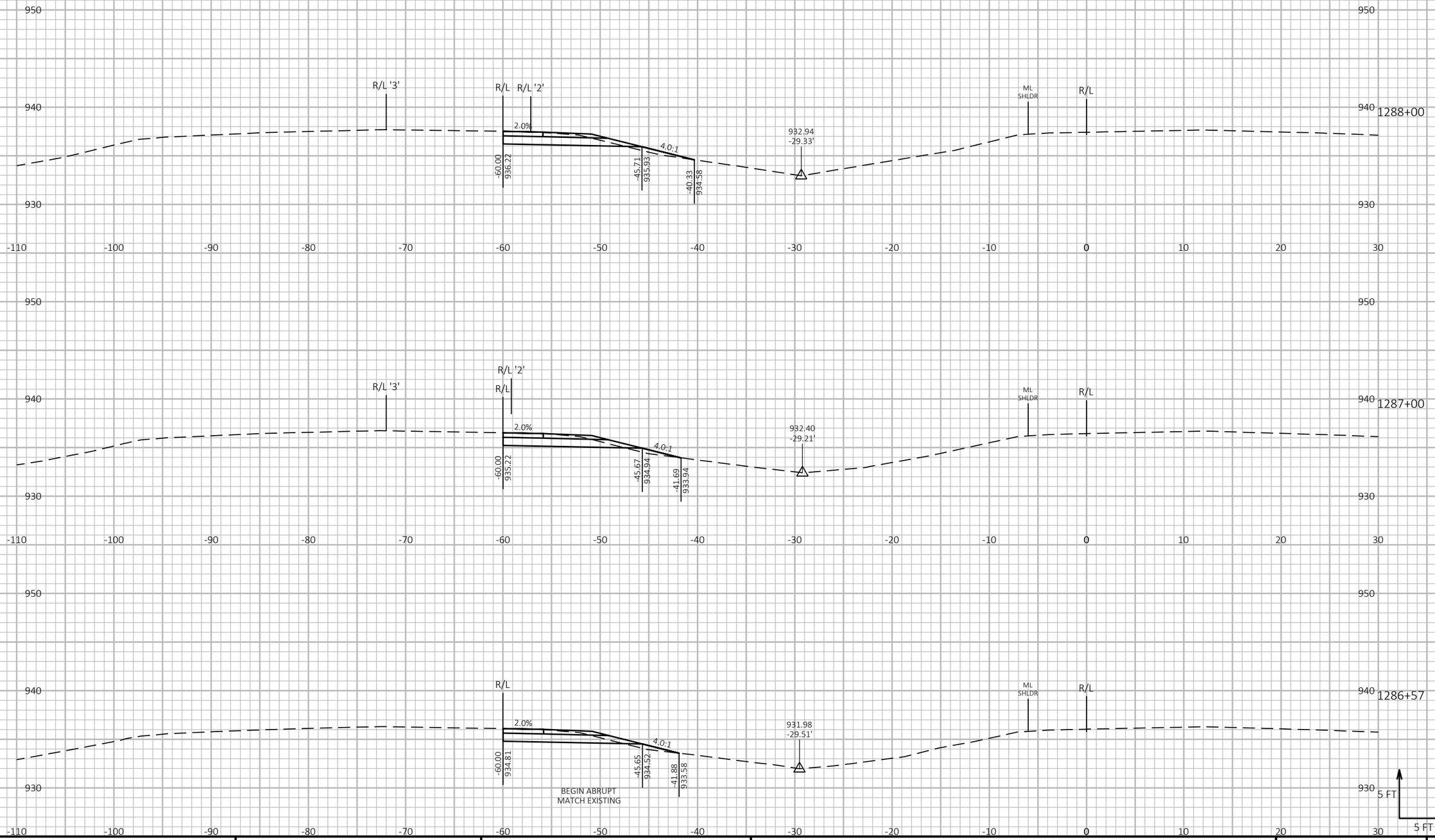
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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - MID 1	SHEET 1234	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090235-XS.DWG
LAYOUT NAME - 10

PLOT DATE : 7/26/2023 4:05 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN
ALONG USH 53 NB ALIGNMENT



9

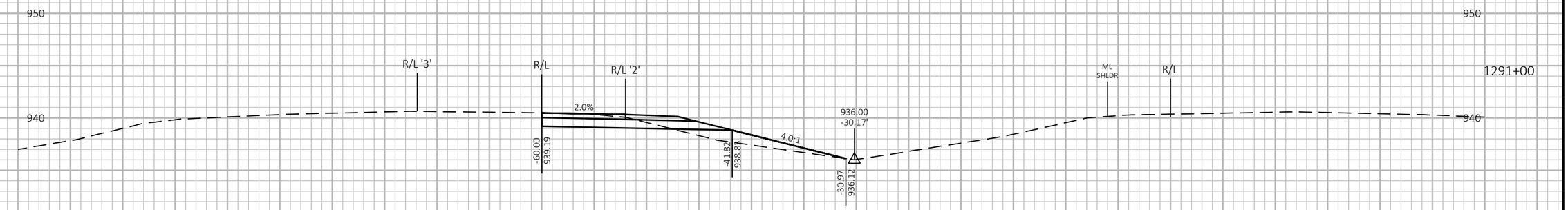
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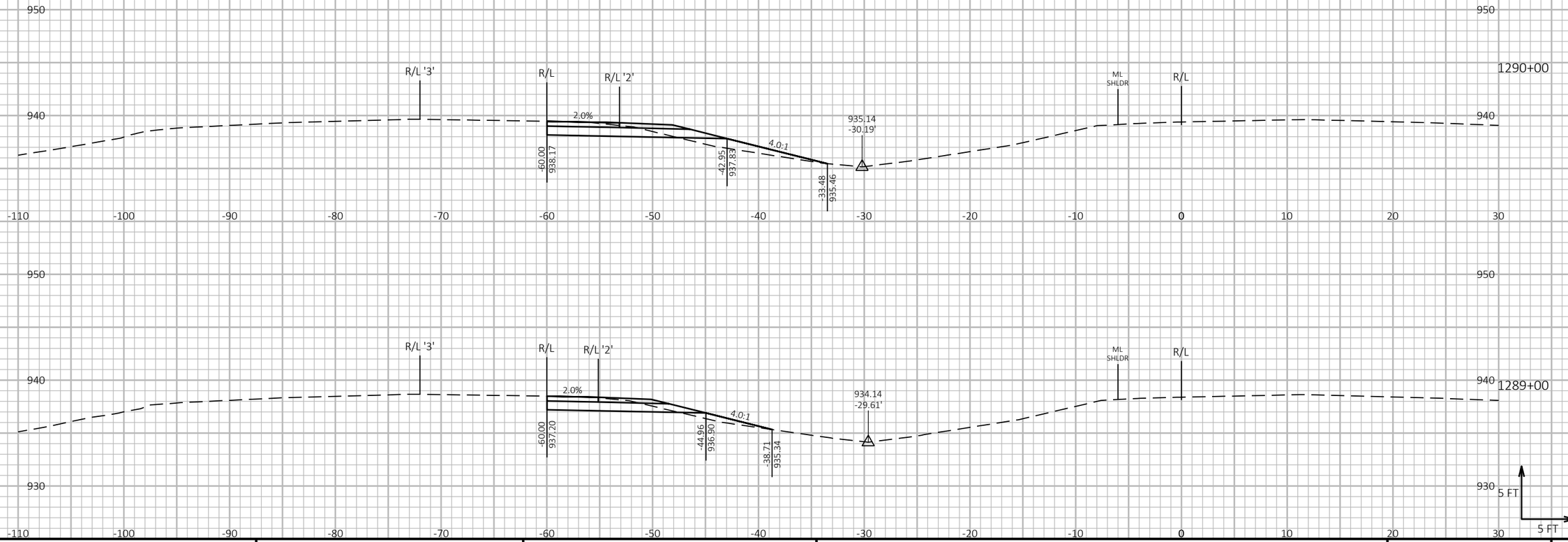
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FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090236-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 4:07 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN
ALONG USH 53 NB ALIGNMENT





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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - MID 2/3	SHEET 1236	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090236-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/26/2023 4:08 PM

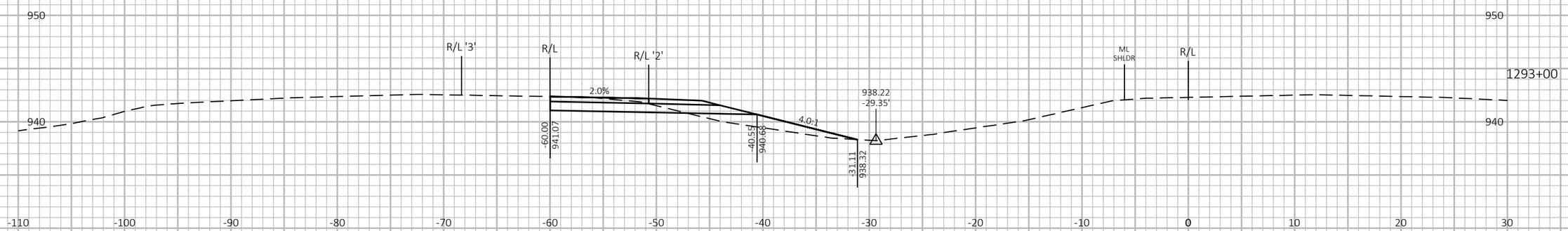
PLOT BY : AUSTIN STRAHL

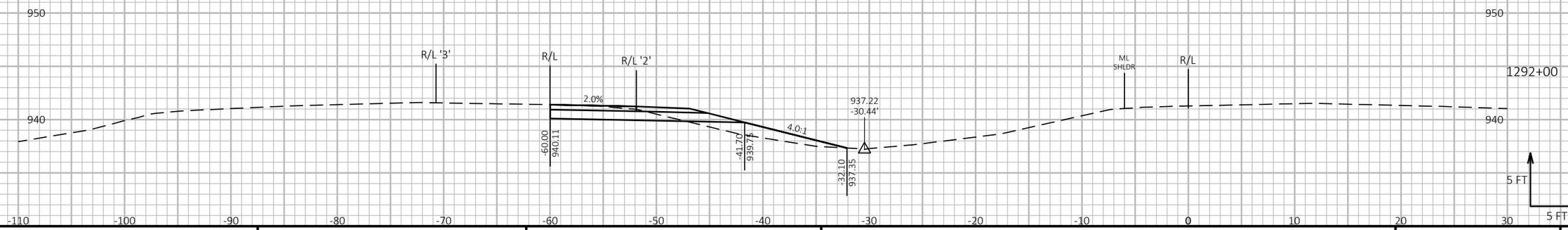
PLOT NAME :

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

CROSS SECTIONS SHOWN
ALONG USH 53 NB ALIGNMENT







9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - MID 2/3	SHEET 1237	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090236-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/26/2023 4:08 PM

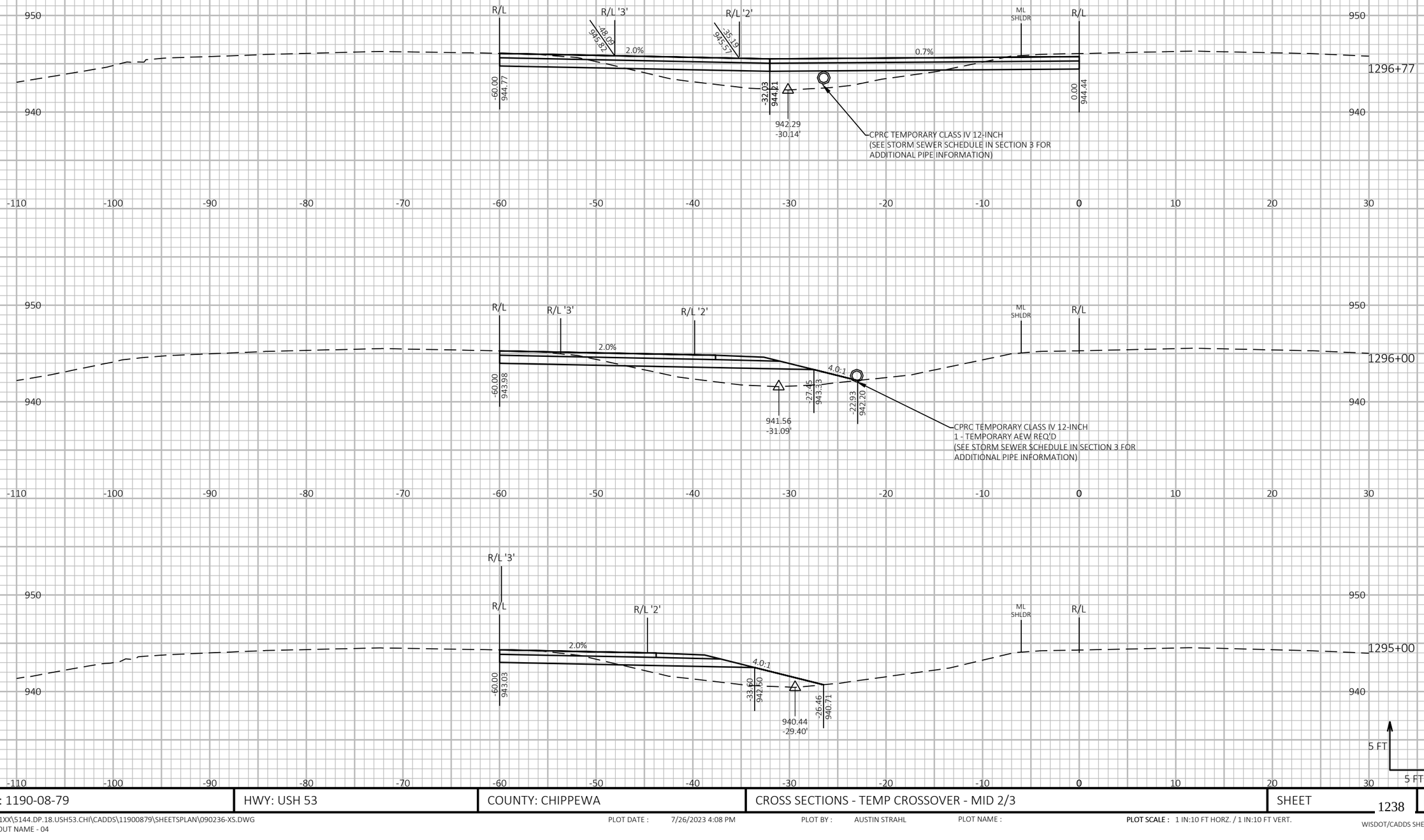
PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN
ALONG USH 53 NB ALIGNMENT



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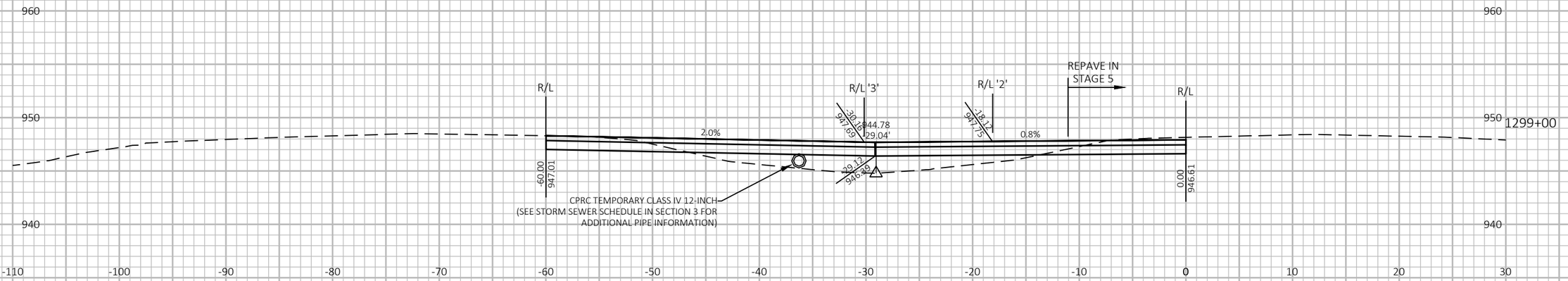
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - MID 2/3	SHEET 1238 E

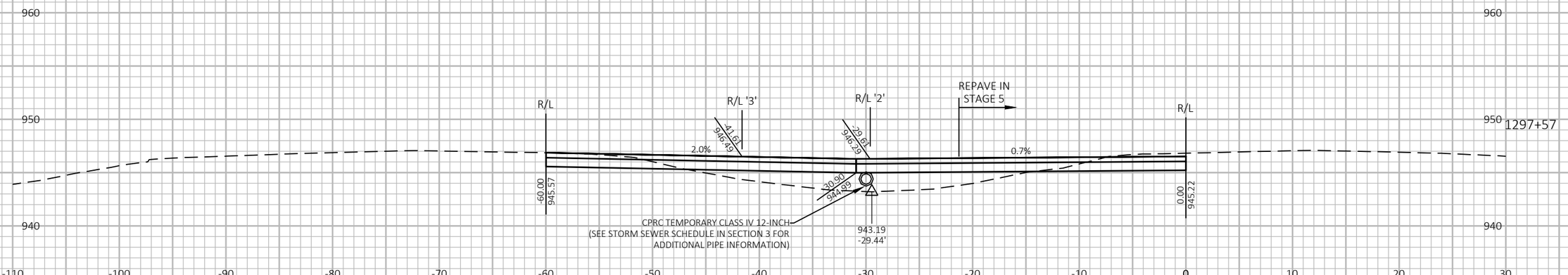
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LAYOUT NAME - 04

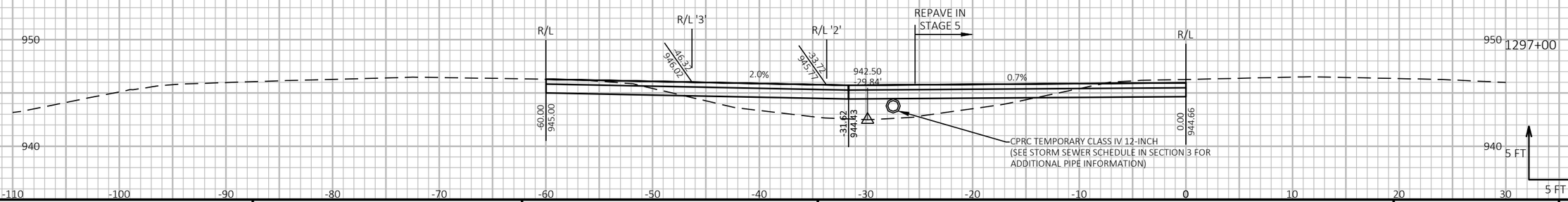
PLOT DATE : 7/26/2023 4:08 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

CROSS SECTIONS SHOWN
ALONG USH 53 NB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - MID 2/3	SHEET 1239	E

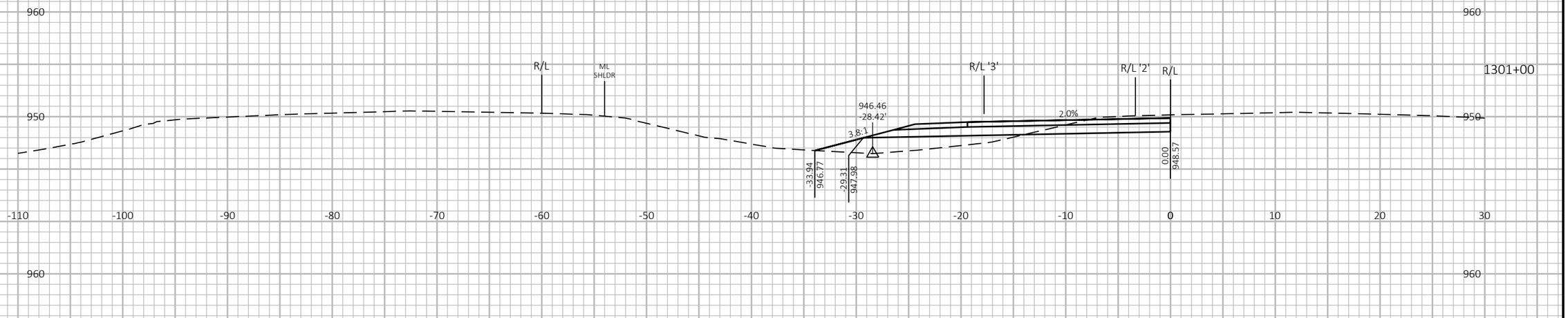
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090236-XS.DWG
LAYOUT NAME - 05

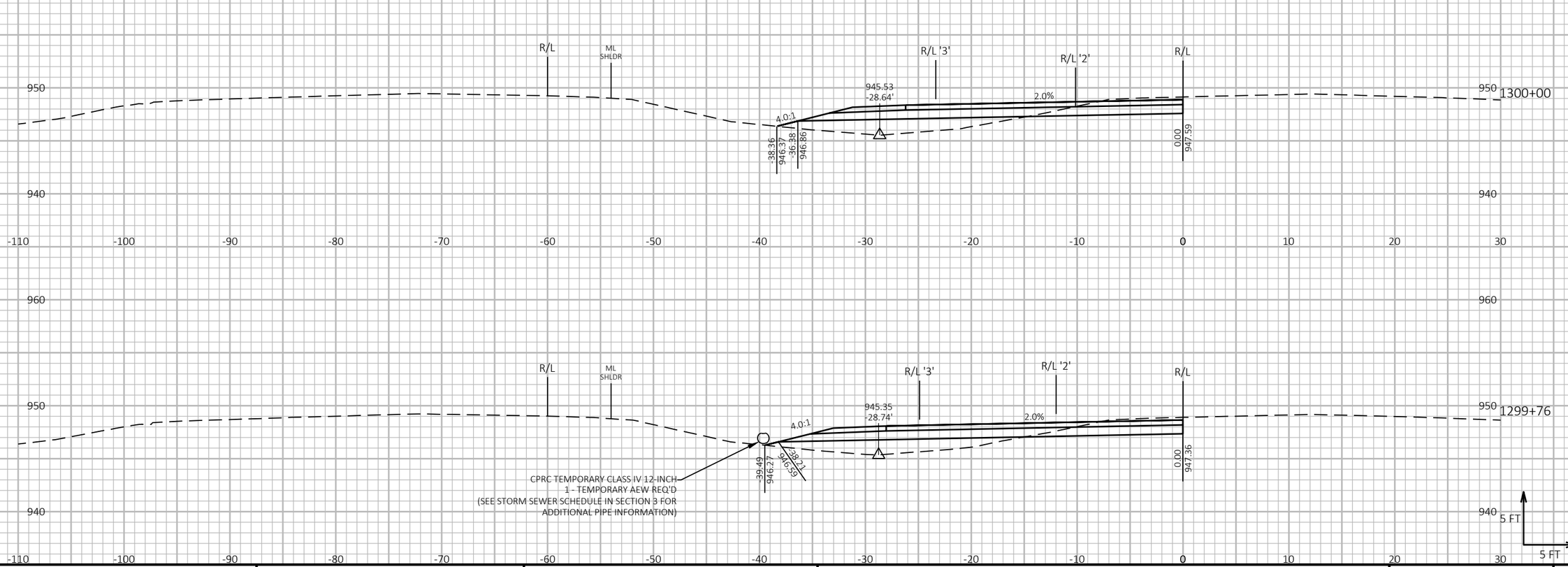
PLOT DATE : 7/26/2023 4:08 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN
ALONG USH 53 NB ALIGNMENT





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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - MID 2/3	SHEET 1240	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090236-XS.DWG
LAYOUT NAME - 06

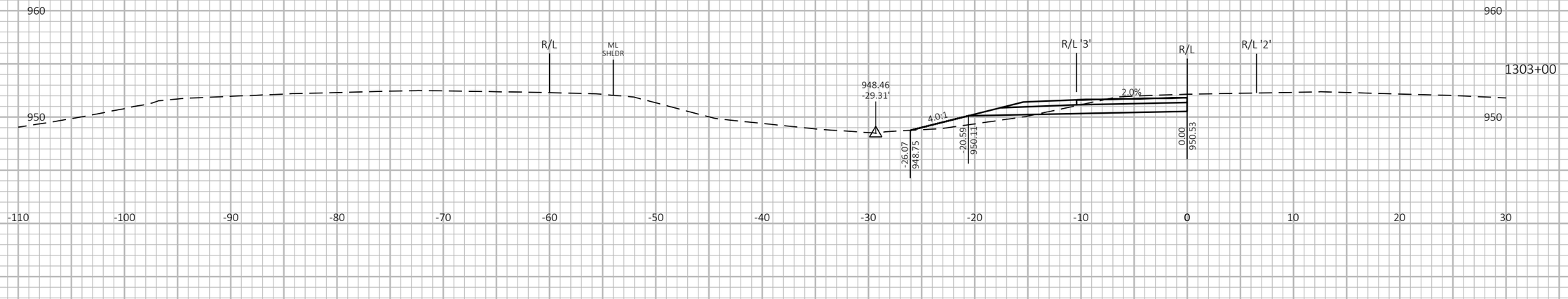
PLOT DATE : 7/26/2023 4:08 PM

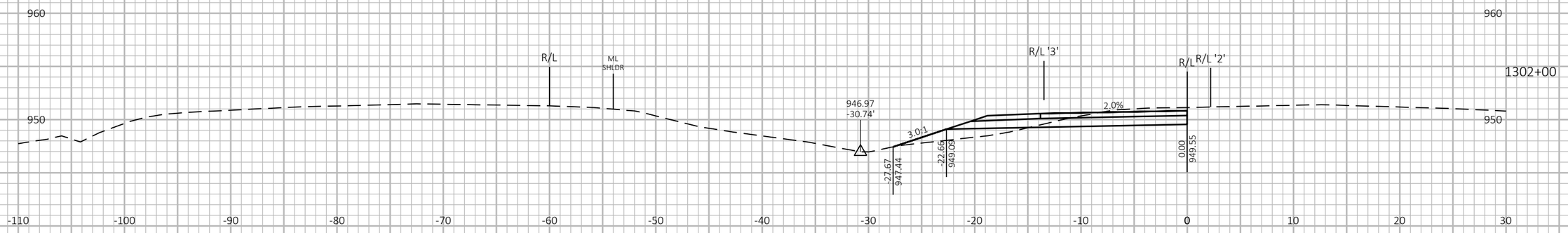
PLOT BY : AUSTIN STRAHL

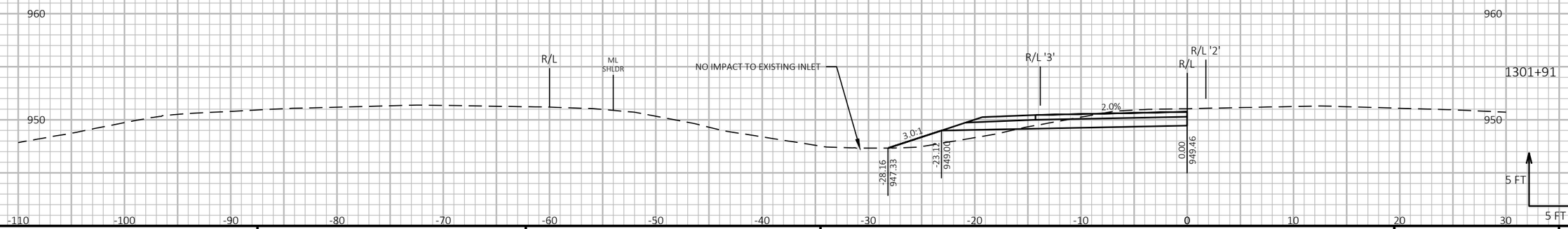
PLOT NAME :

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

CROSS SECTIONS SHOWN
ALONG USH 53 NB ALIGNMENT







9

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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - MID 2/3	SHEET 1241	E

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LAYOUT NAME - 07

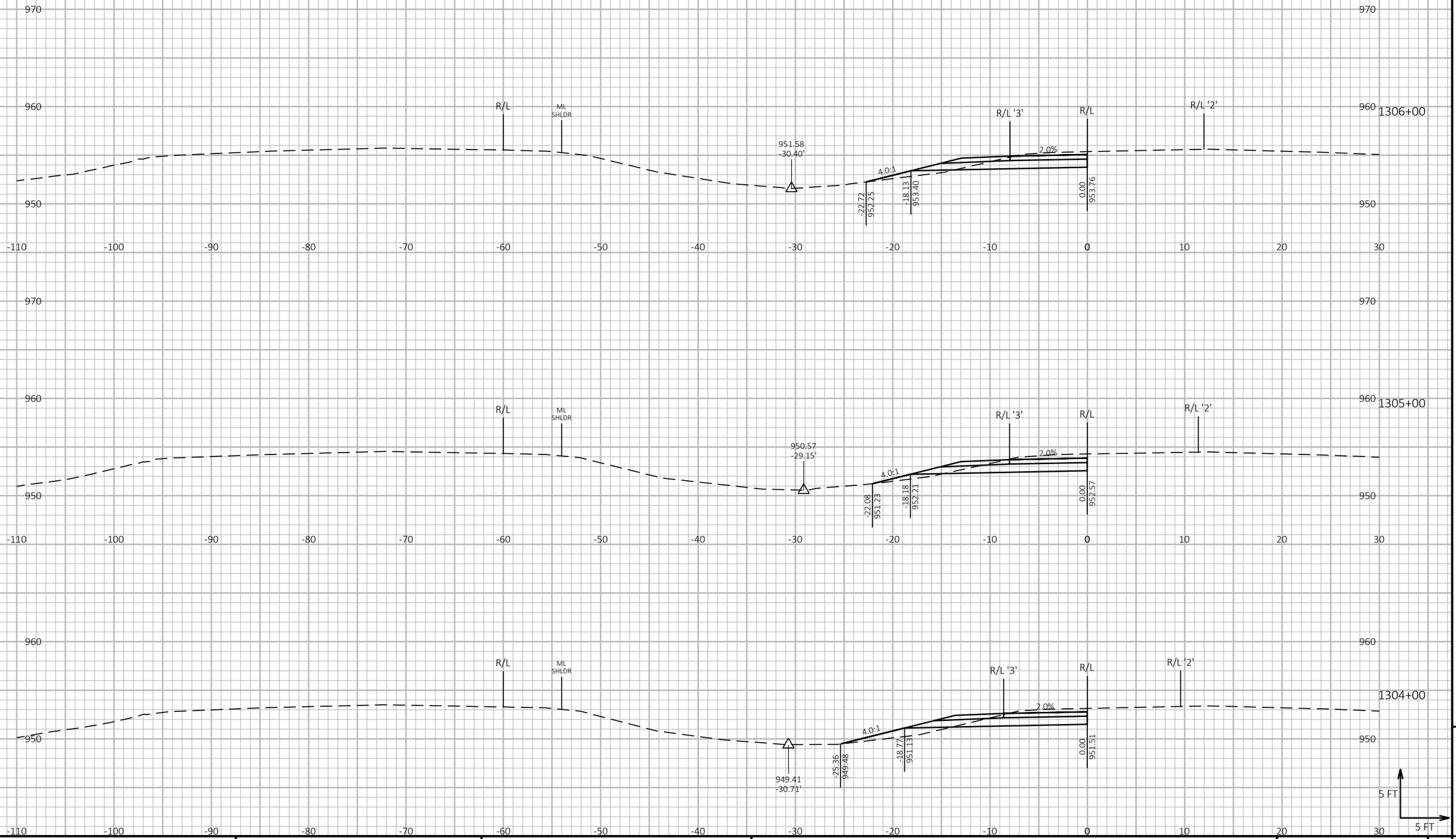
PLOT DATE : 7/26/2023 4:08 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

CROSS SECTIONS SHOWN
ALONG USH 53 NB ALIGNMENT



9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - MID 2/3	SHEET 1242	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090236-XS.DWG
LAYOUT NAME - 08

PLOT DATE : 7/26/2023 4:08 PM

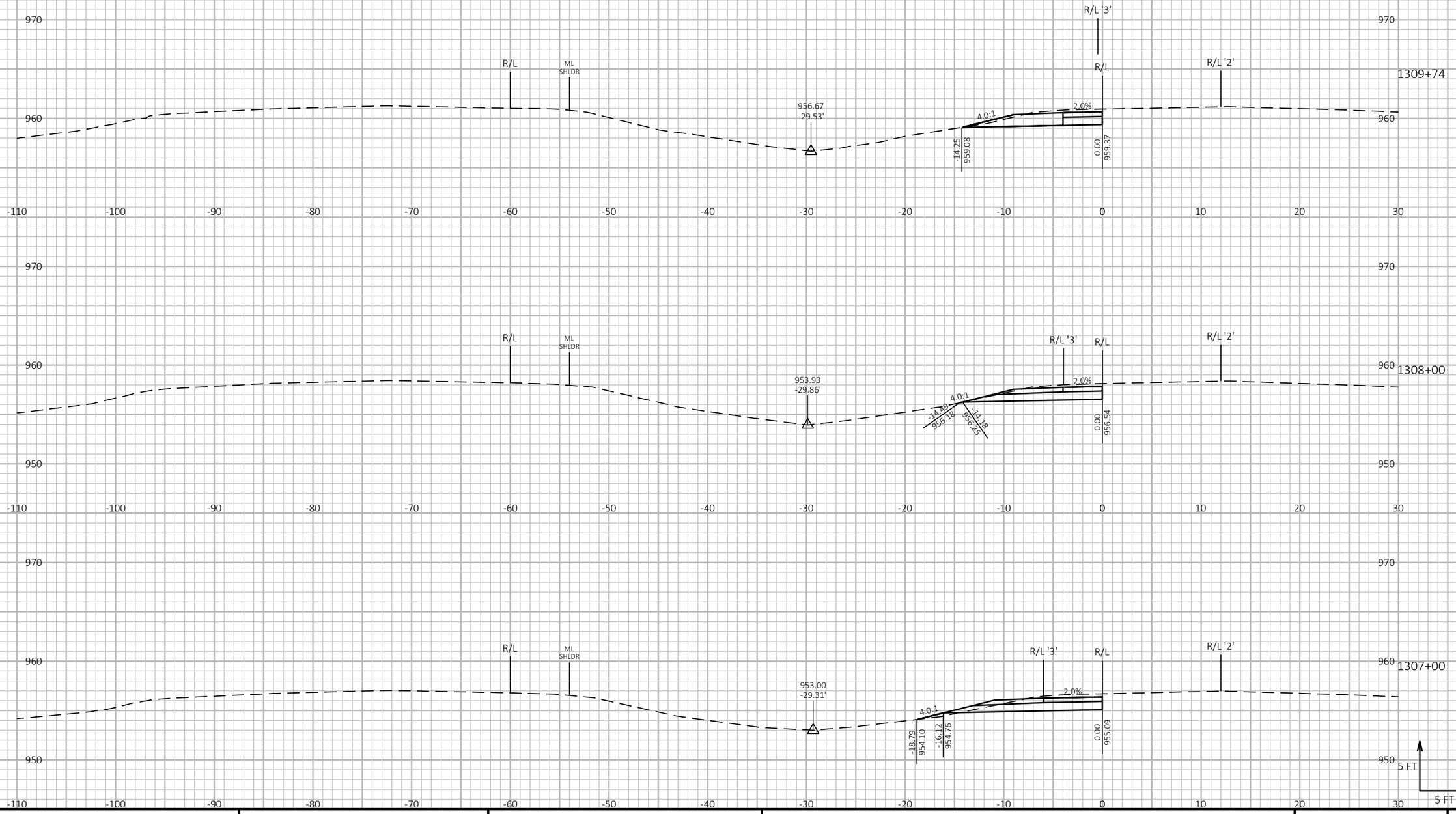
PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN
ALONG USH 53 NB ALIGNMENT



9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - MID 2/3	SHEET 1243	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090236-XS.DWG
LAYOUT NAME - 09

PLOT DATE : 7/26/2023 4:08 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN
ALONG USH 53 NB ALIGNMENT



9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - MID 2/3	SHEET 1244	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090236-XS.DWG
LAYOUT NAME - 10

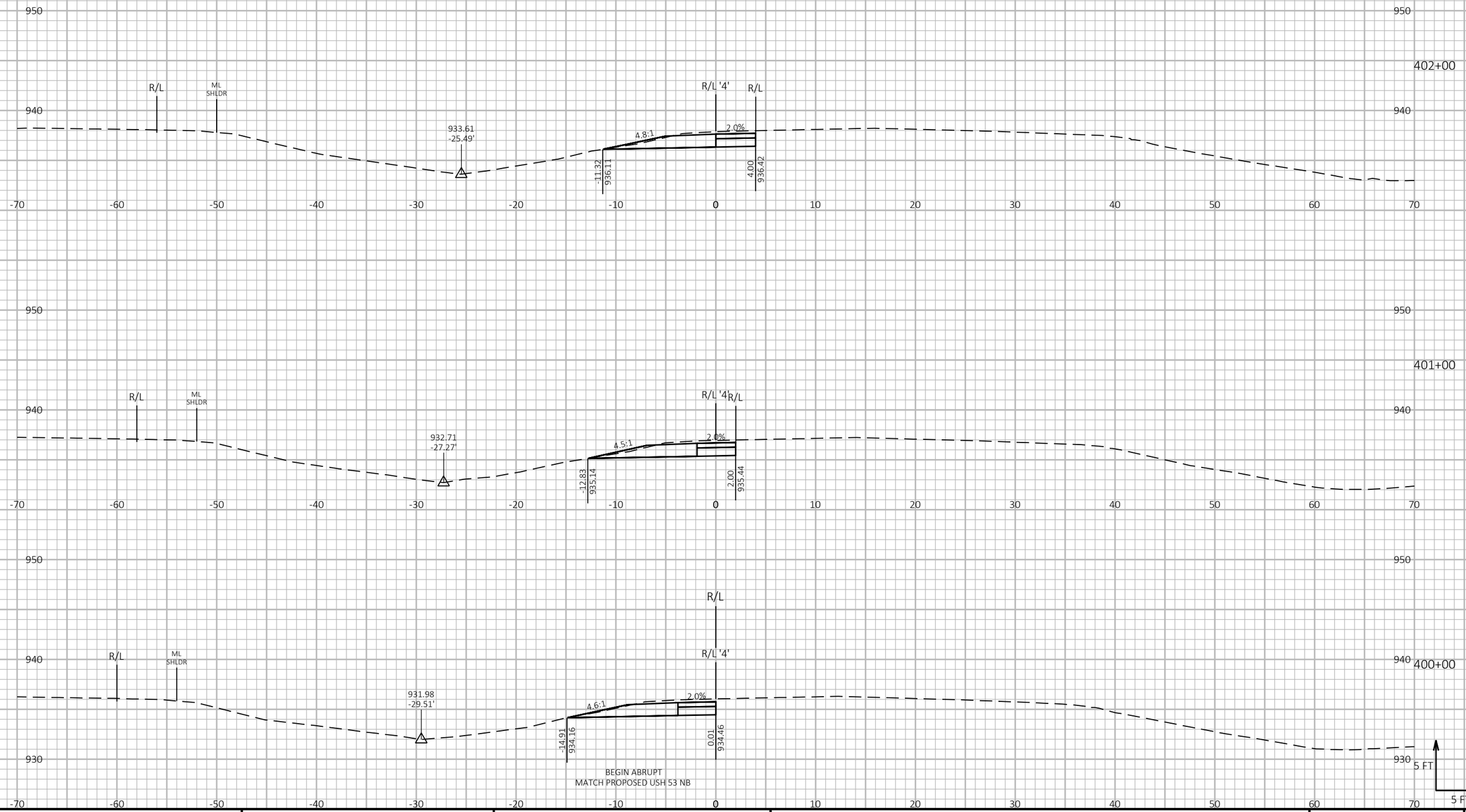
PLOT DATE : 7/26/2023 4:08 PM

PLOT BY : AUSTIN STRAHL

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: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - MID 4	SHEET 1245 E

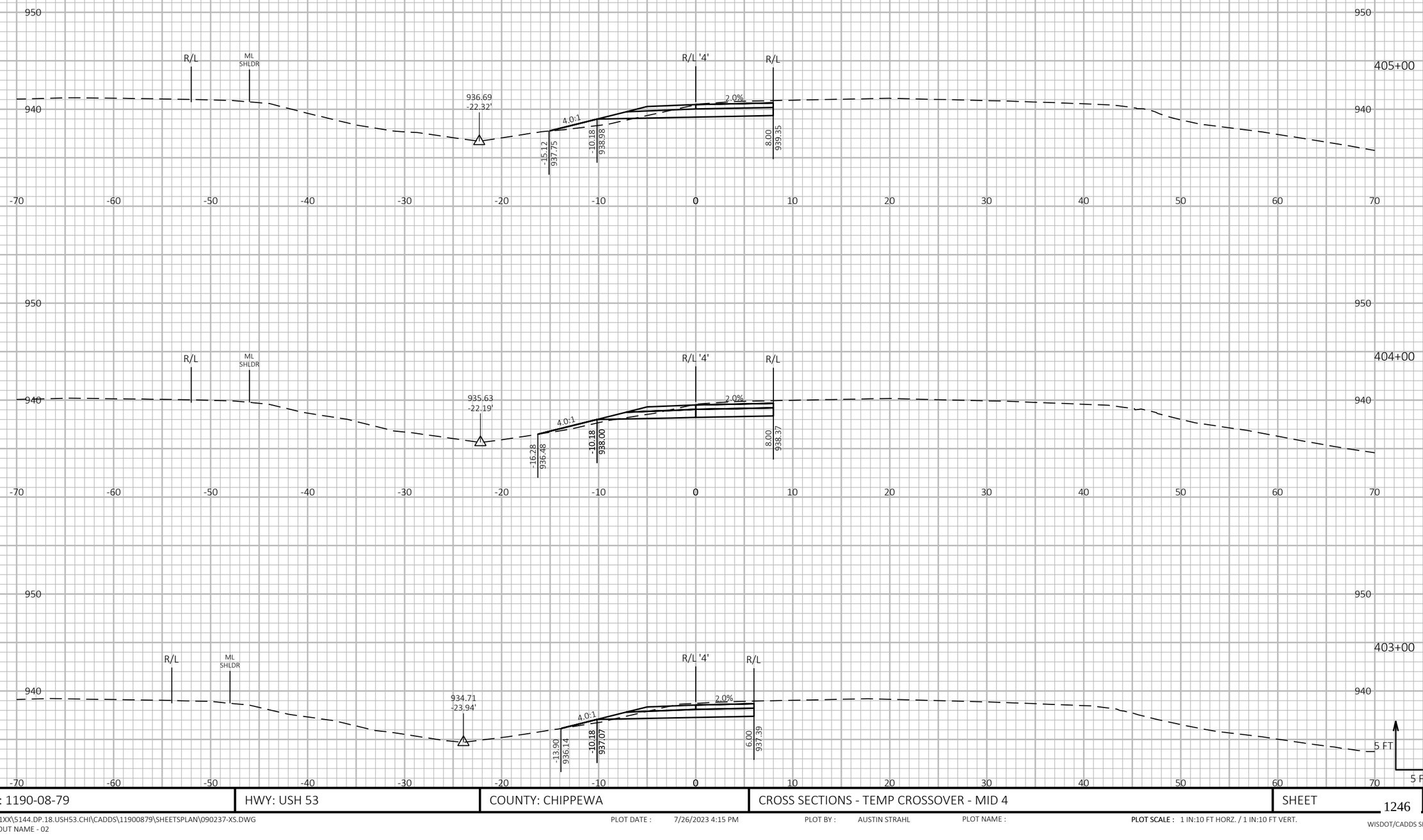
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090237-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 4:15 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

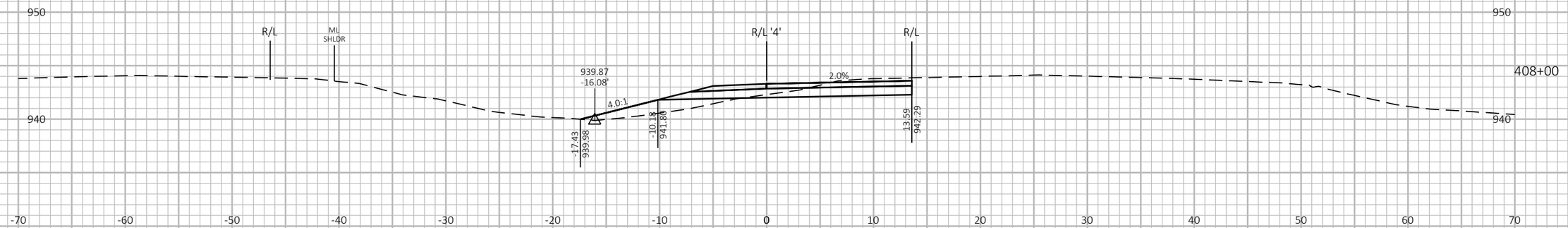


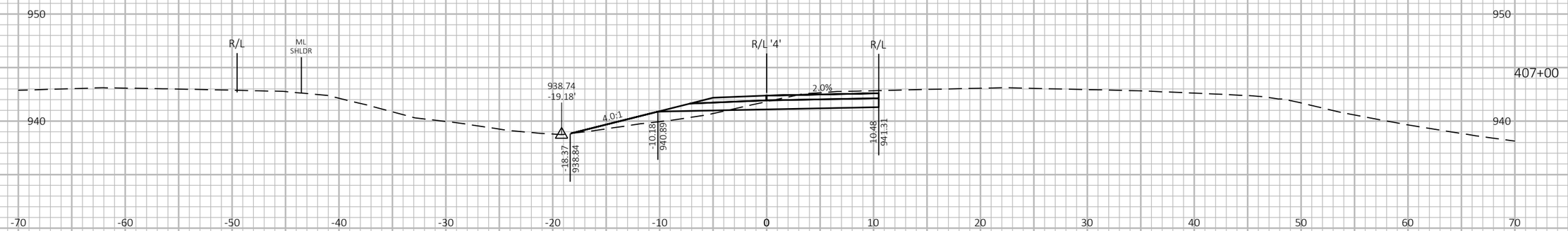
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - MID 4	SHEET 1246	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090237-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/26/2023 4:15 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - MID 4	SHEET 1247	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090237-XS.DWG
LAYOUT NAME - 03

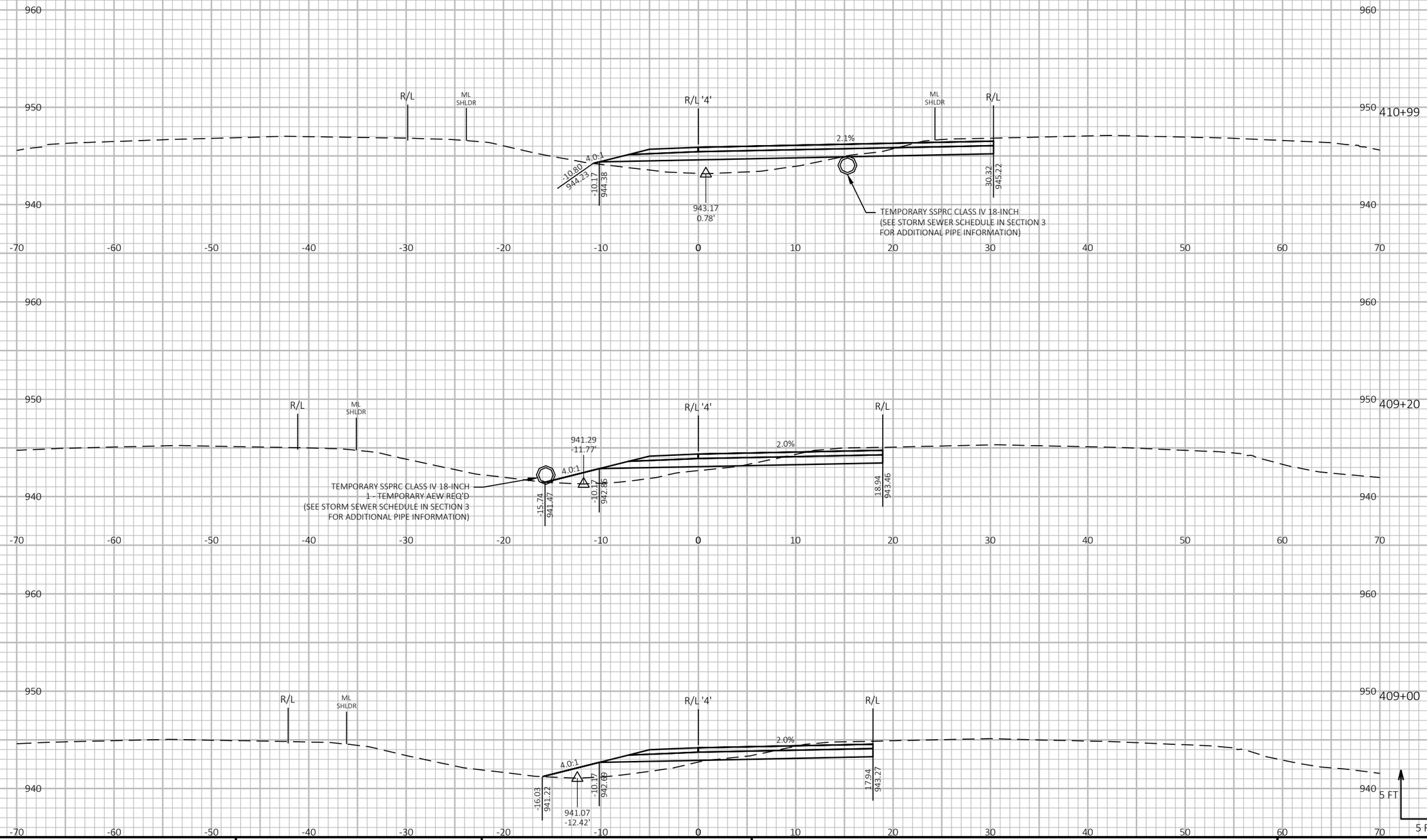
PLOT DATE : 7/26/2023 4:15 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

WISDOT/CADDS SHEET 49

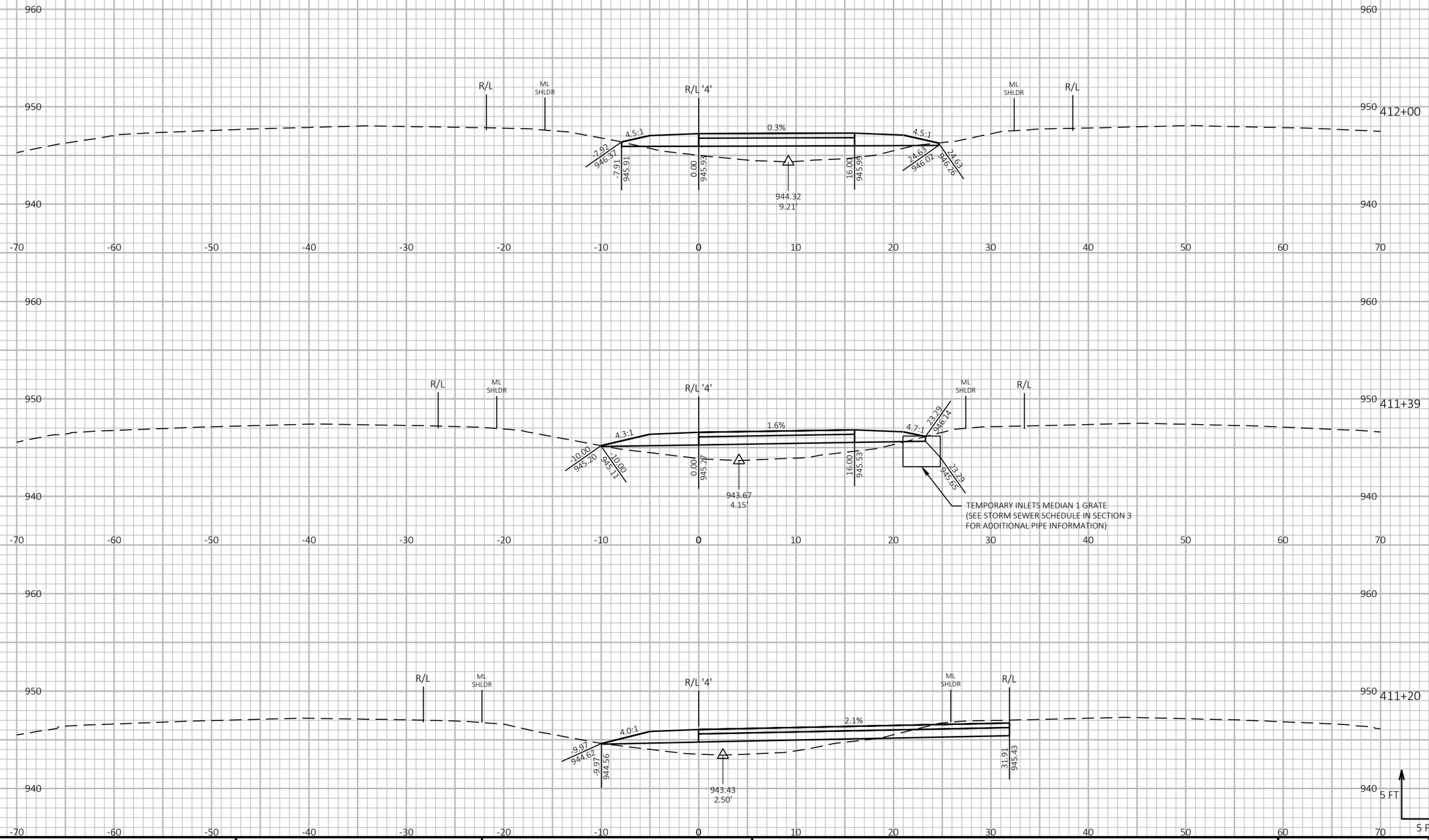


PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - MID 4	SHEET 1248 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090237-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 7/26/2023 4:15 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - MID 4	SHEET 1249	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090237-XS.DWG
LAYOUT NAME - 05

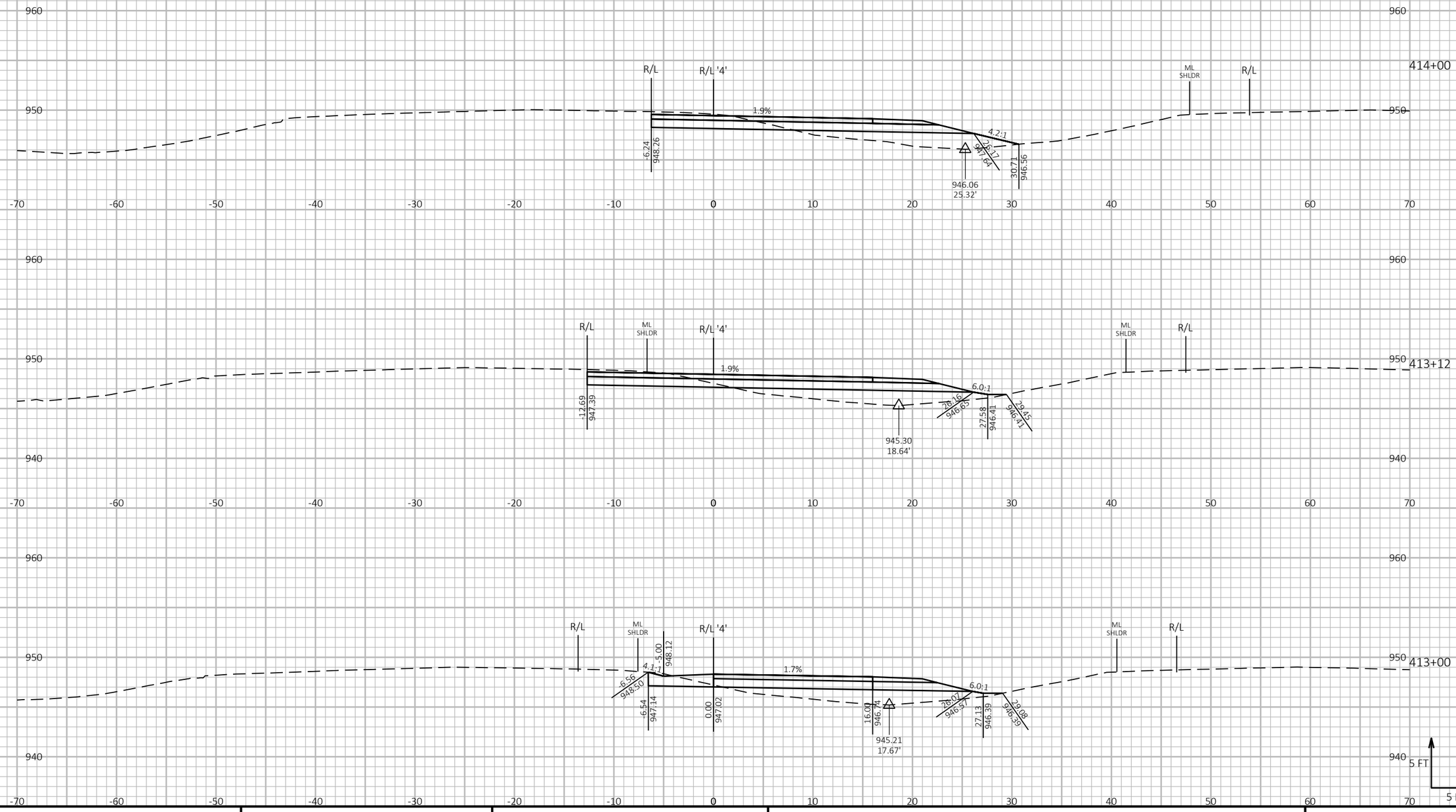
PLOT DATE : 7/26/2023 4:15 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

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

WISDOT/CADDS SHEET 49

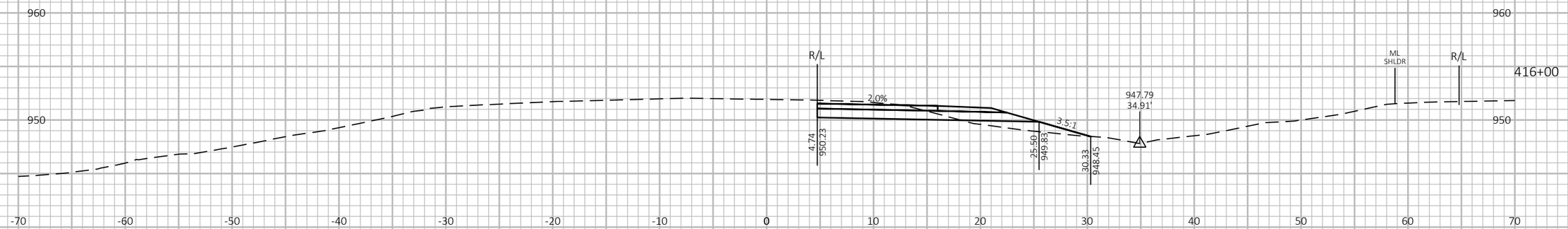


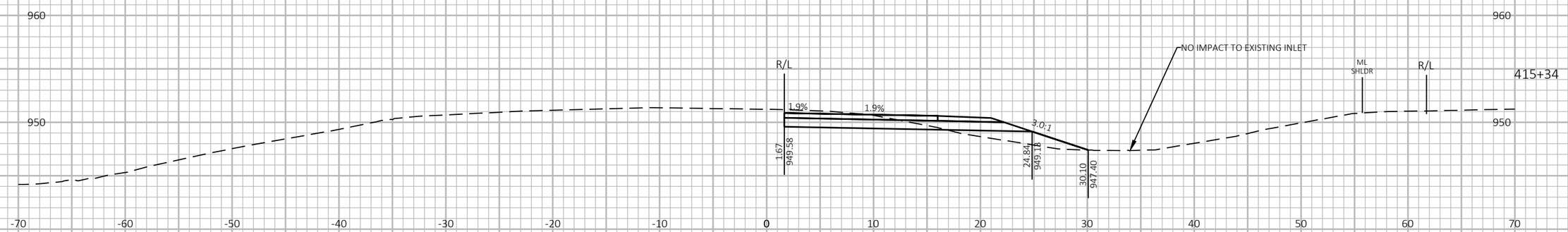
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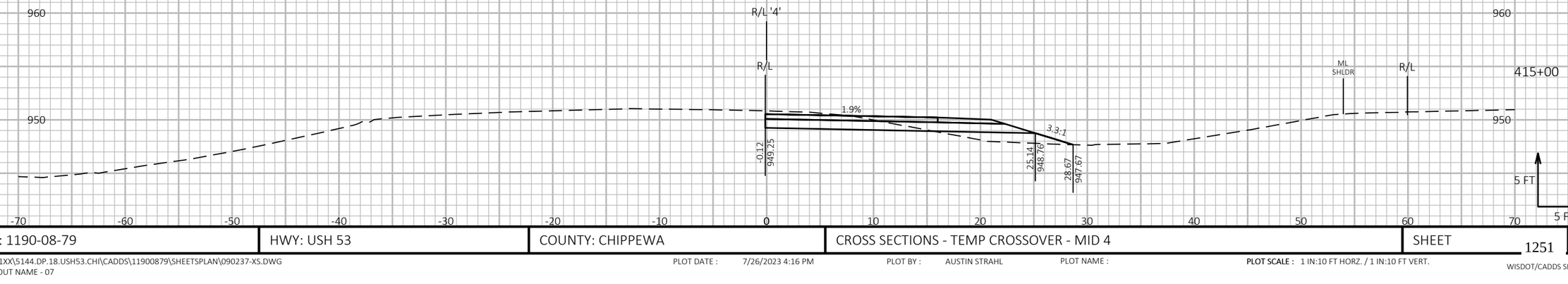
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LAYOUT NAME - 06

PLOT DATE : 7/26/2023 4:15 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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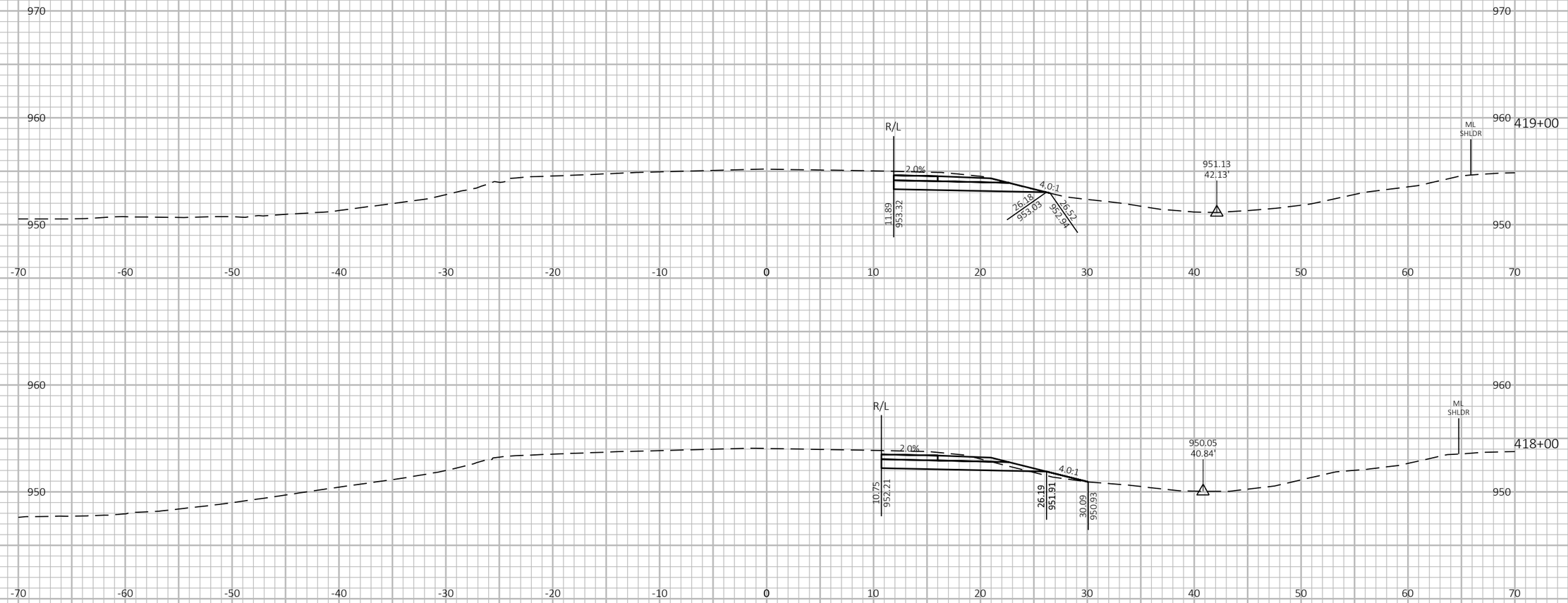
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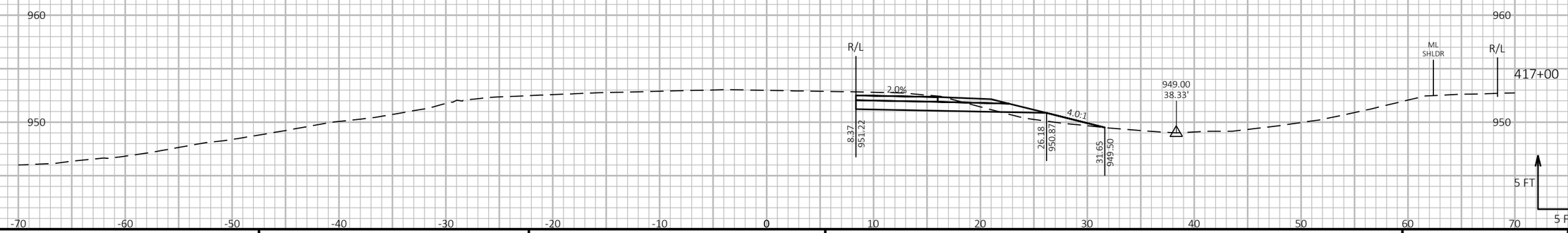
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - MID 4	SHEET 1251	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090237-XS.DWG
LAYOUT NAME - 07

PLOT DATE : 7/26/2023 4:16 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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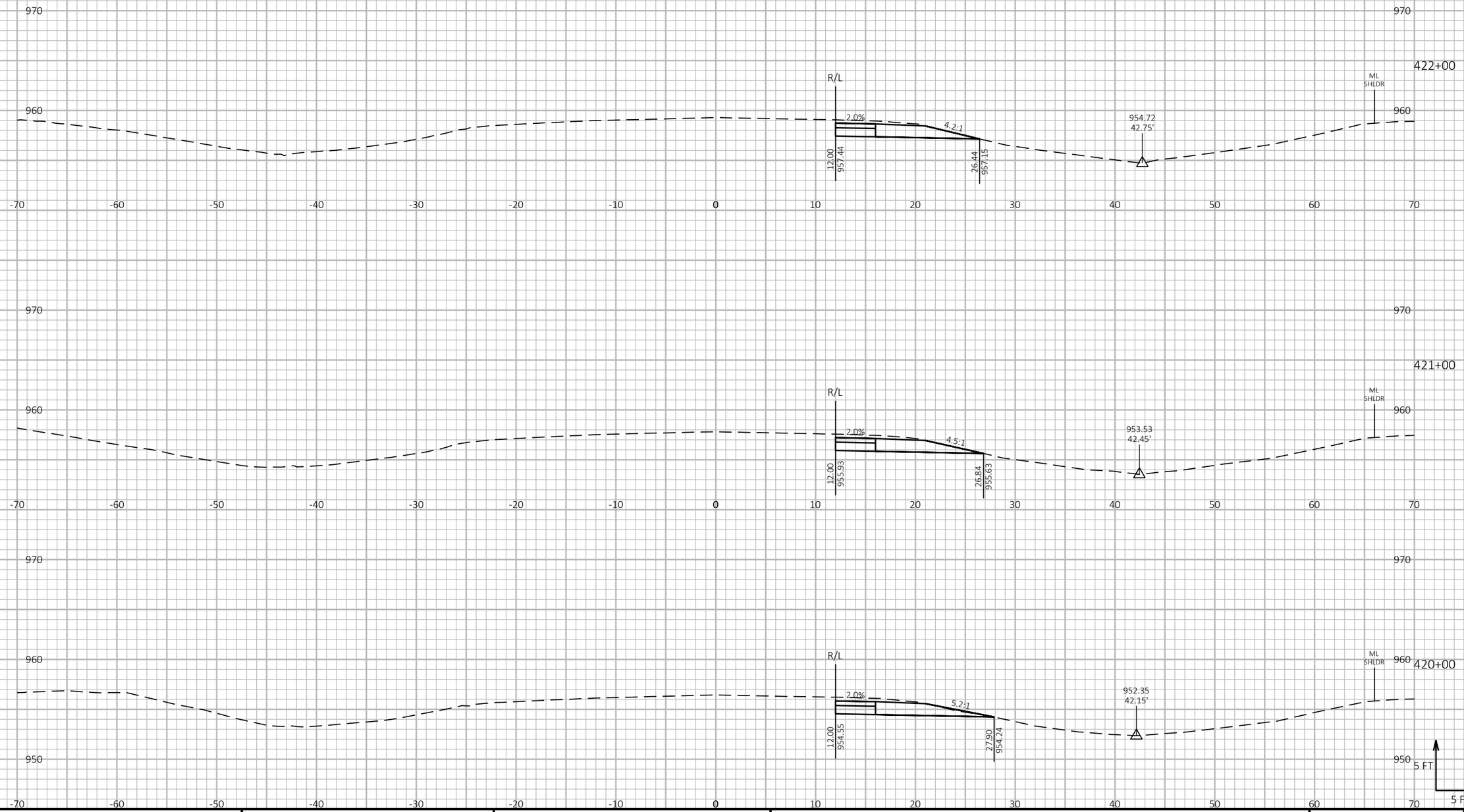
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - MID 4	SHEET 1252	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090237-XS.DWG
LAYOUT NAME - 08

PLOT DATE : 7/26/2023 4:16 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - MID 4	SHEET 1253	E

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FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090237-XS.DWG
LAYOUT NAME - 09

PLOT DATE : 7/26/2023 4:16 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

END ABRUPT
MATCH PROPOSED USH 53 SB

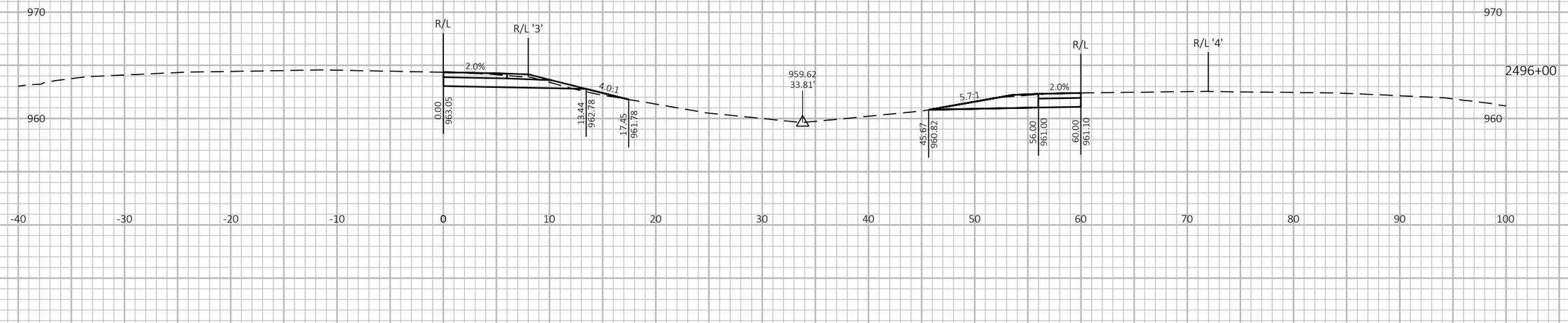
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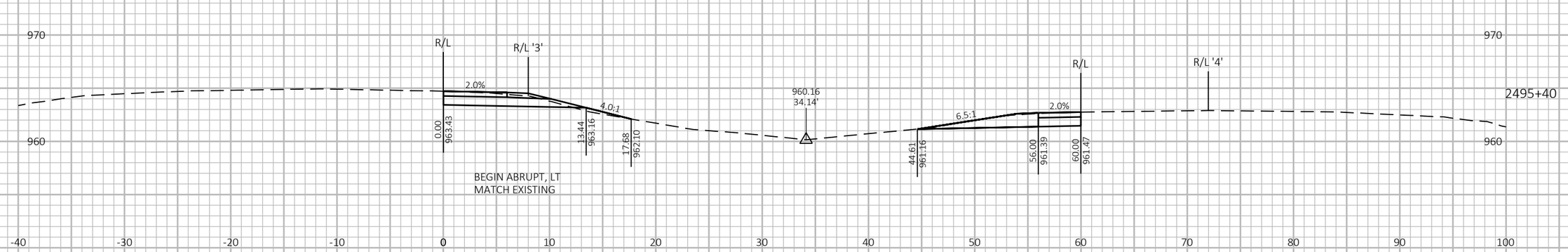
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LAYOUT NAME - 09 (2)

PLOT DATE : 7/26/2023 4:16 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG
USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB & NB - NORTH PROJECT LIMIT	SHEET 1255	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090238-XS.DWG
LAYOUT NAME - 14

PLOT DATE : 7/26/2023 4:19 PM

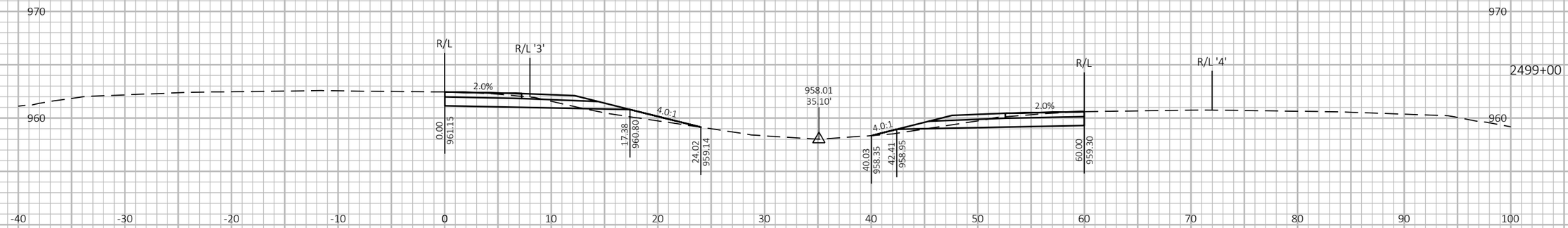
PLOT BY : AUSTIN STRAHL

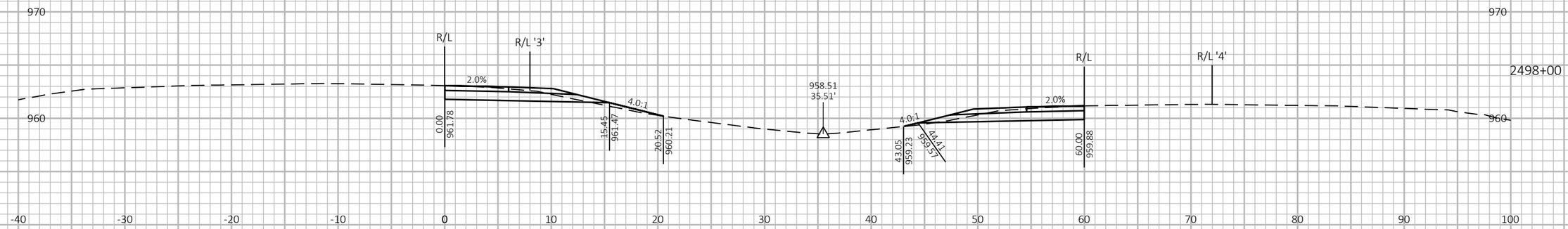
PLOT NAME :

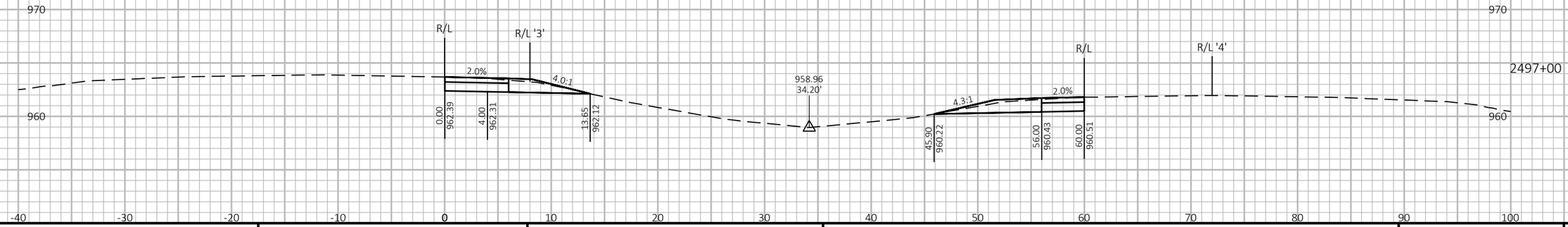
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG
USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB & NB - NORTH PROJECT LIMIT	SHEET 1256	E

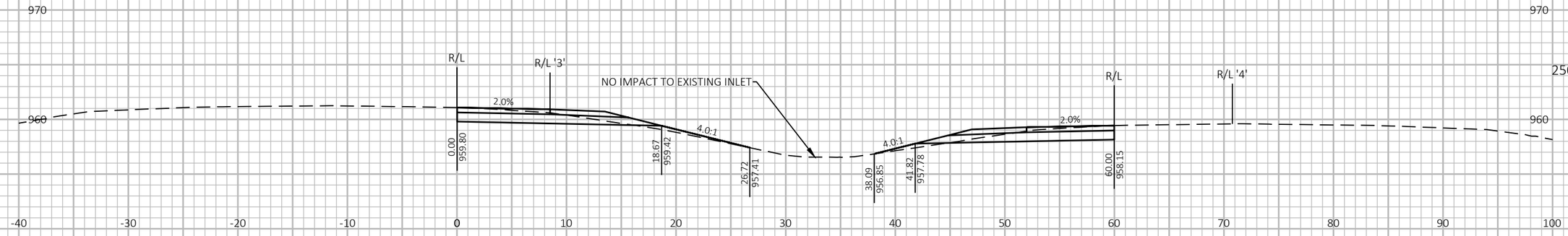
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LAYOUT NAME - 15

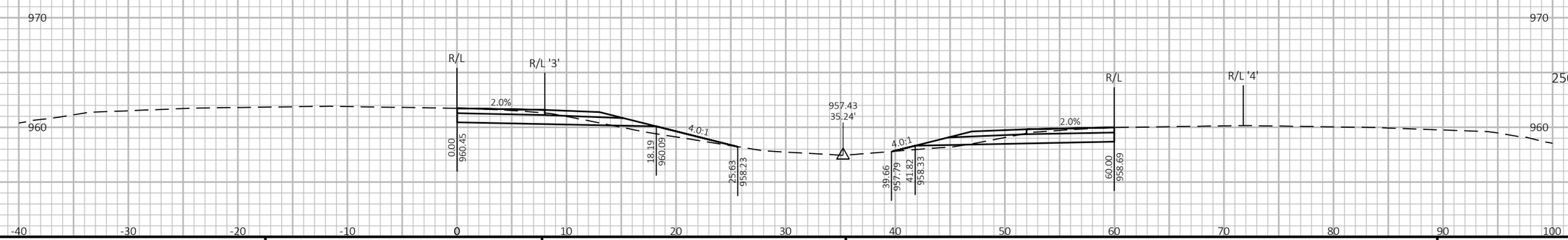
PLOT DATE : 7/26/2023 4:19 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG
USH 53 SB ALIGNMENT







PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB & NB - NORTH PROJECT LIMIT	SHEET 1257	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090238-XS.DWG
LAYOUT NAME - 16

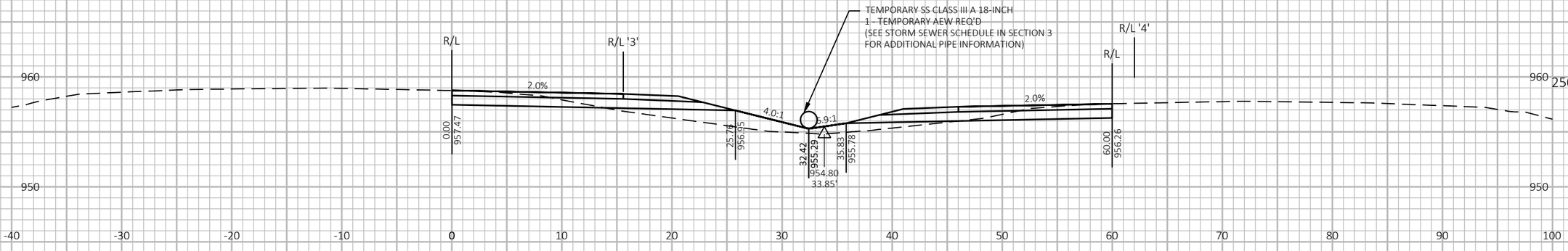
PLOT DATE : 7/26/2023 4:19 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

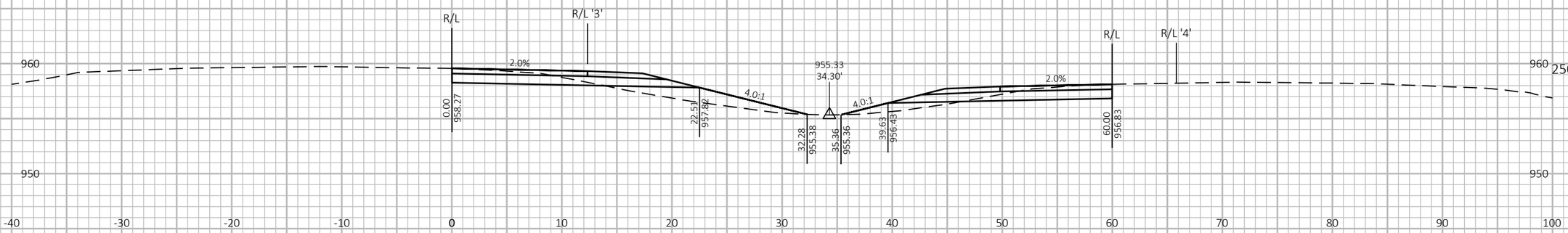
WISDOT/CADDS SHEET 49

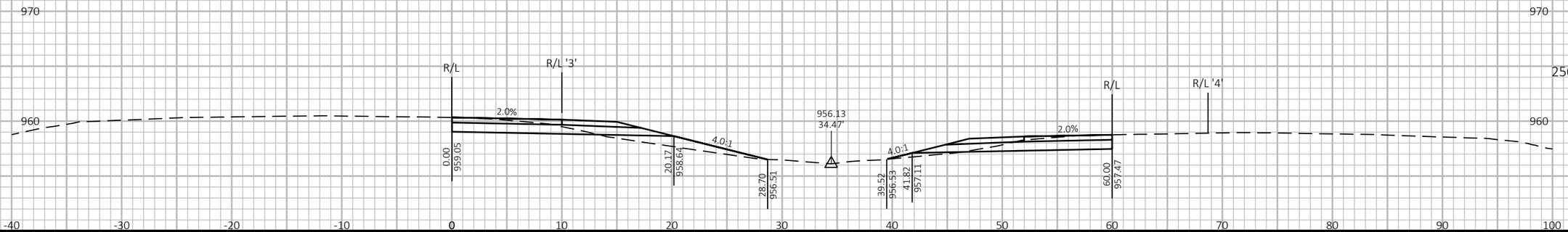
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CROSS SECTIONS SHOWN ALONG
USH 53 SB ALIGNMENT







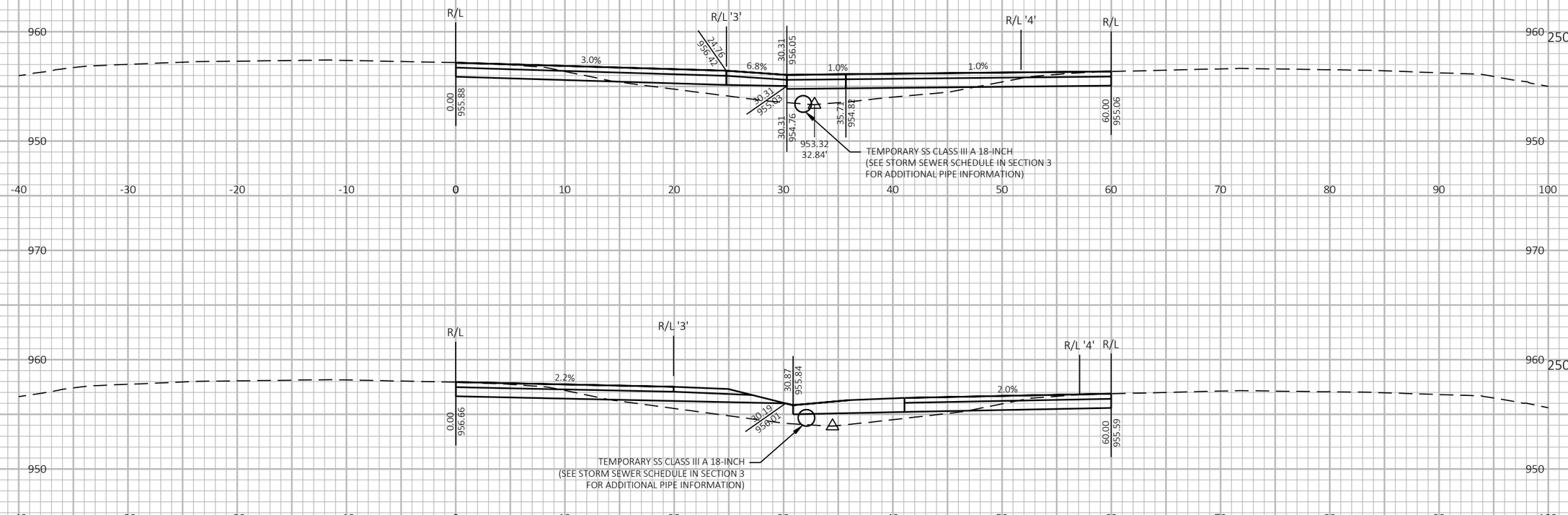
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB & NB - NORTH PROJECT LIMIT	SHEET 1258	E

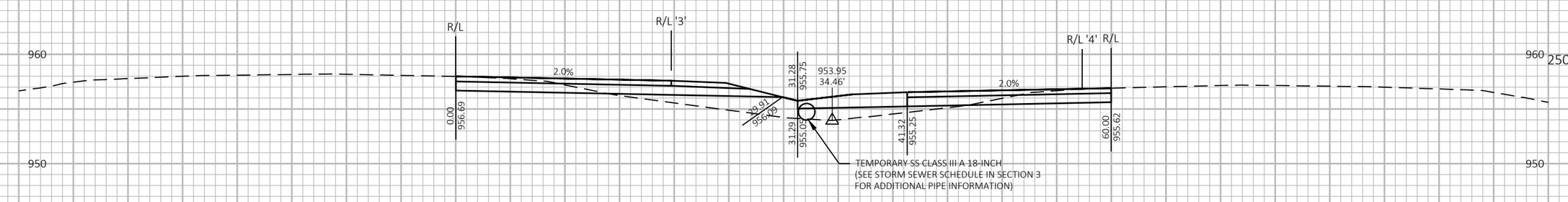
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LAYOUT NAME - 17

PLOT DATE : 7/26/2023 4:19 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG
USH 53 SB ALIGNMENT





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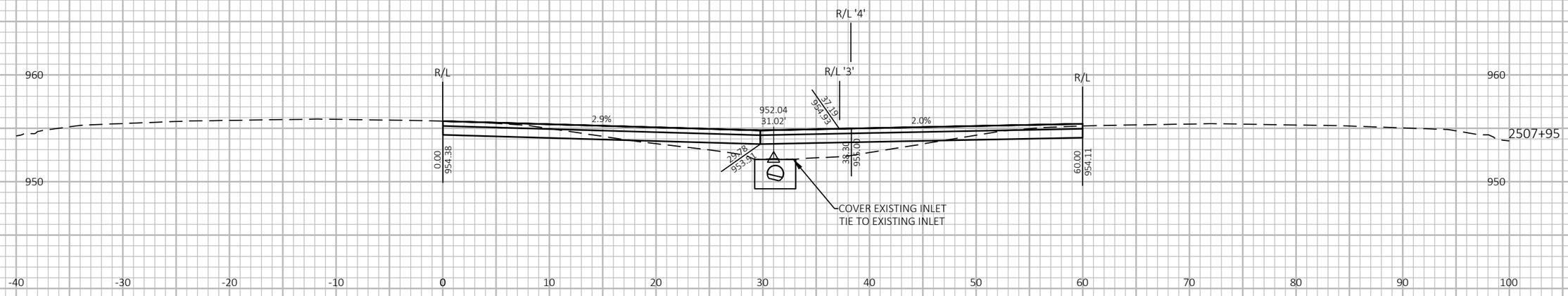
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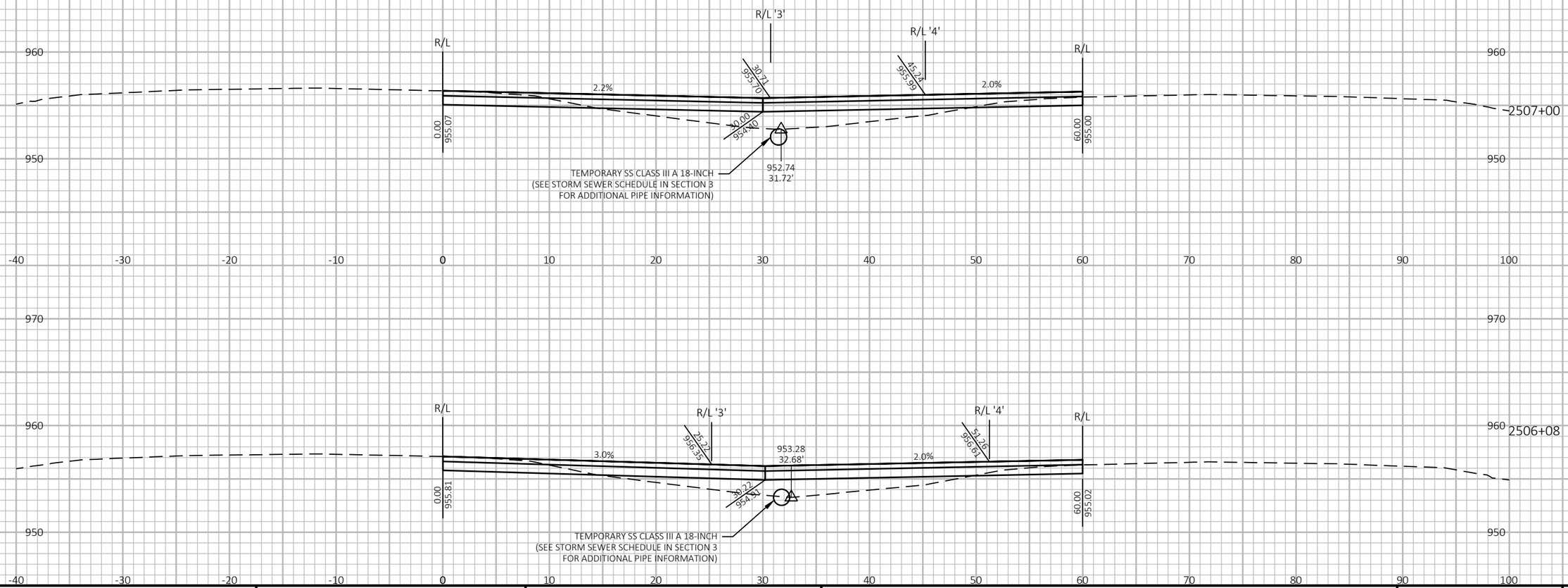
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LAYOUT NAME - 18

PLOT DATE : 7/26/2023 4:19 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG
USH 53 SB ALIGNMENT





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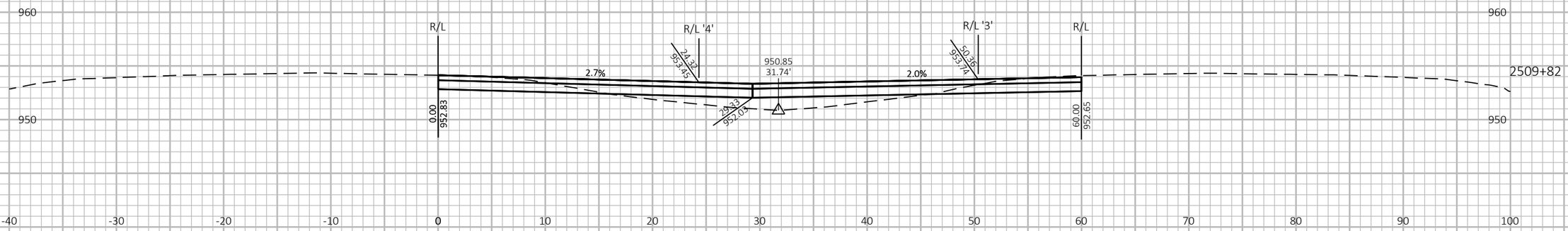
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB & NB - NORTH PROJECT LIMIT	SHEET 1260	E

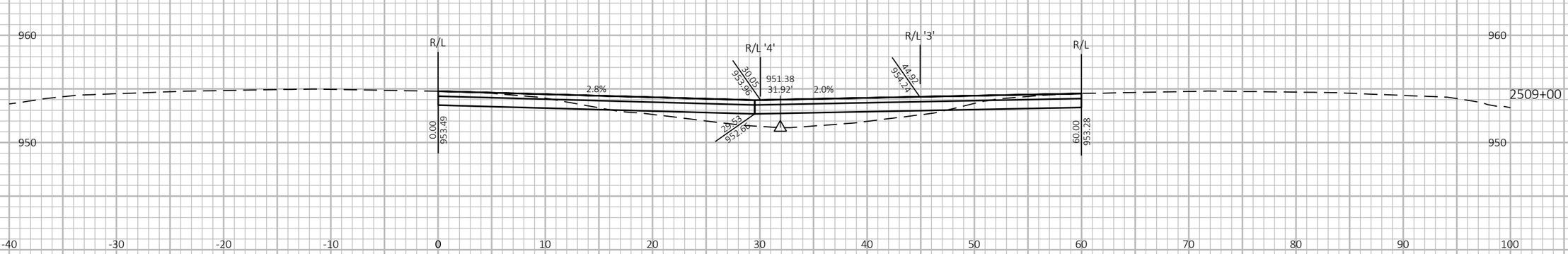
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LAYOUT NAME - 19

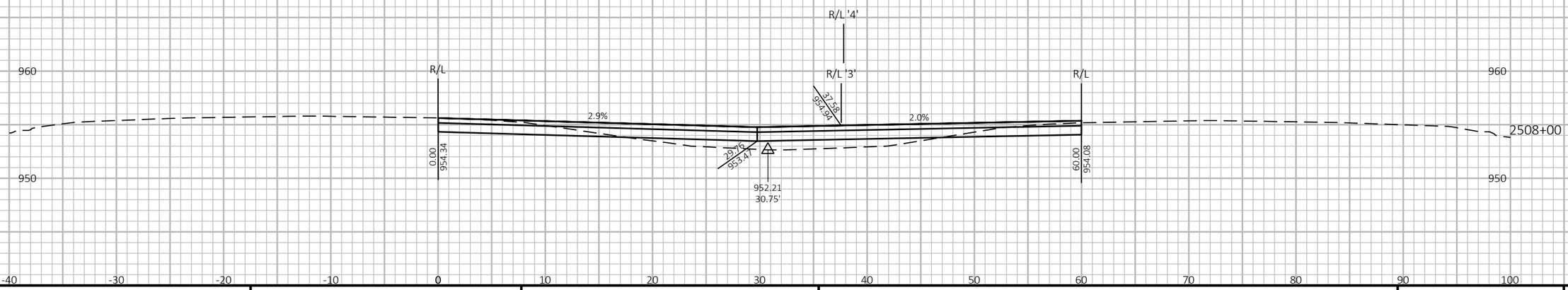
PLOT DATE : 7/26/2023 4:19 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG
USH 53 SB ALIGNMENT







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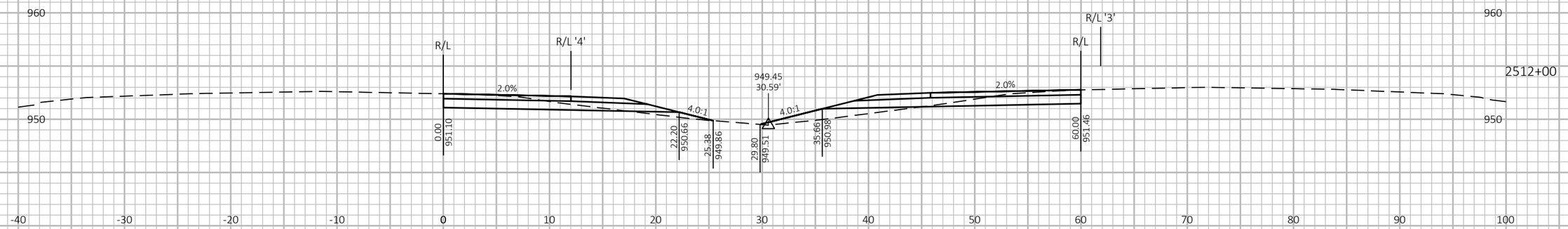
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB & NB - NORTH PROJECT LIMIT	SHEET 1261	E

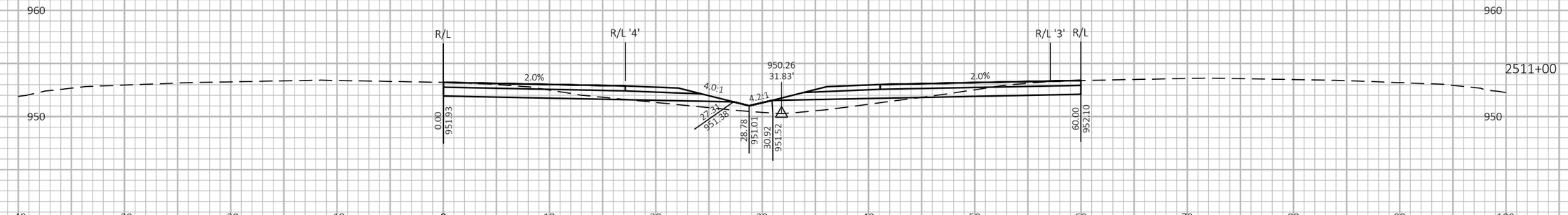
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LAYOUT NAME - 20

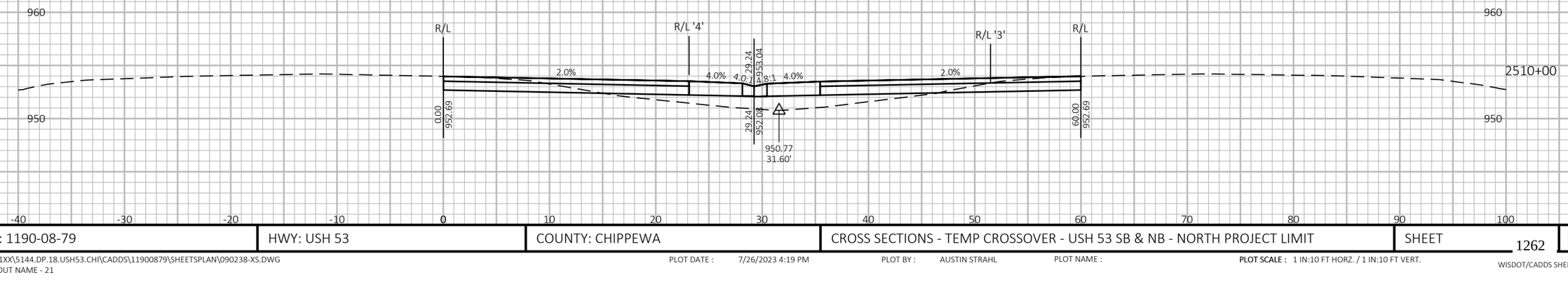
PLOT DATE : 7/26/2023 4:19 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG
USH 53 SB ALIGNMENT







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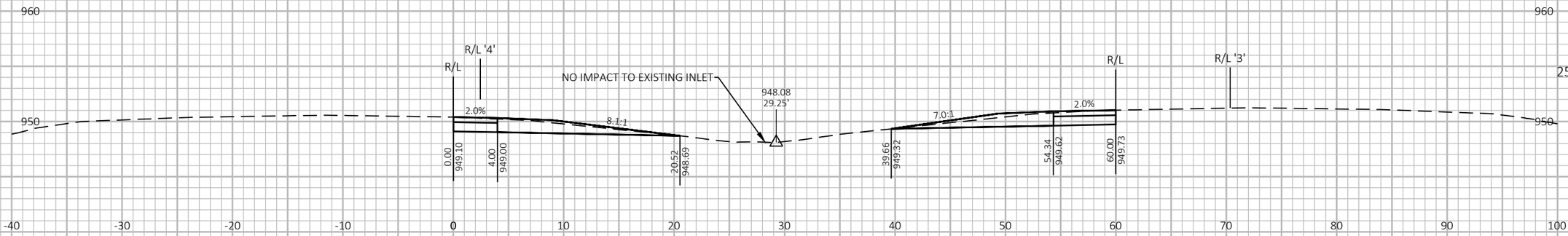
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB & NB - NORTH PROJECT LIMIT	SHEET 1262	E

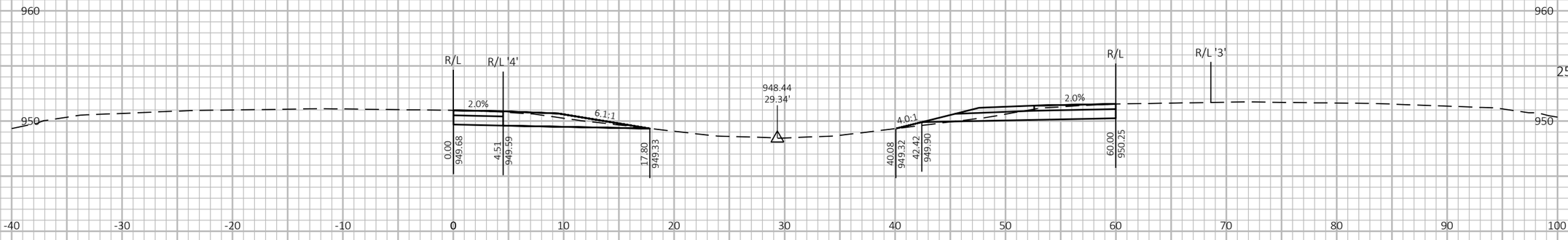
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LAYOUT NAME - 21

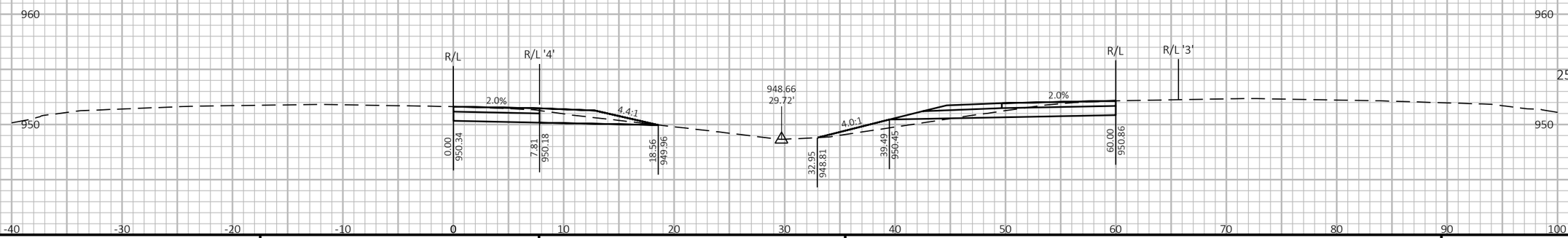
PLOT DATE : 7/26/2023 4:19 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG
USH 53 SB ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB & NB - NORTH PROJECT LIMIT	SHEET 1263	E

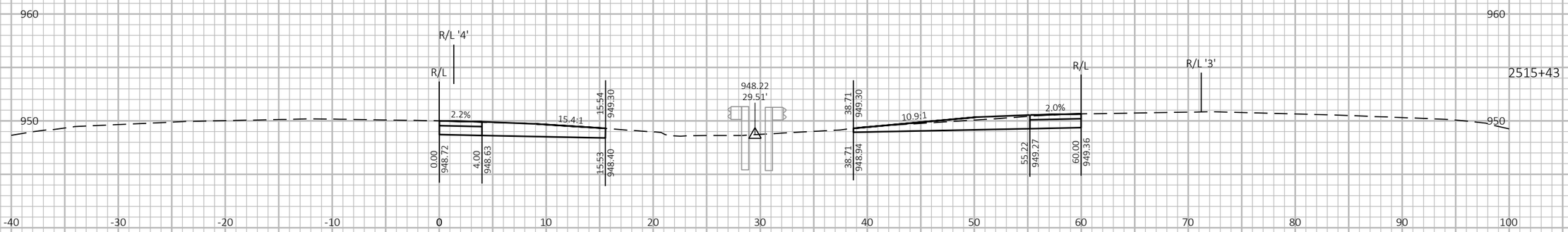
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LAYOUT NAME - 22

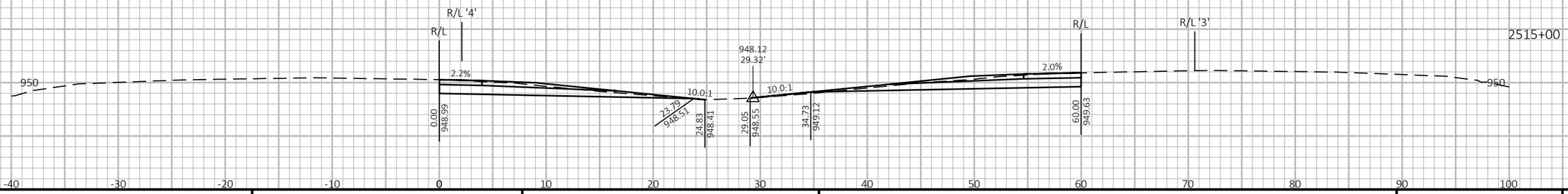
PLOT DATE : 7/26/2023 4:19 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG
USH 53 SB ALIGNMENT







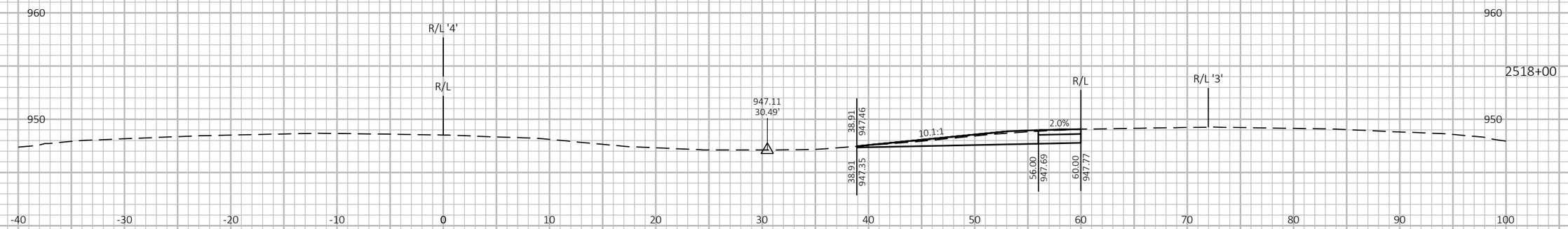
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB & NB - NORTH PROJECT LIMIT	SHEET 1264	E

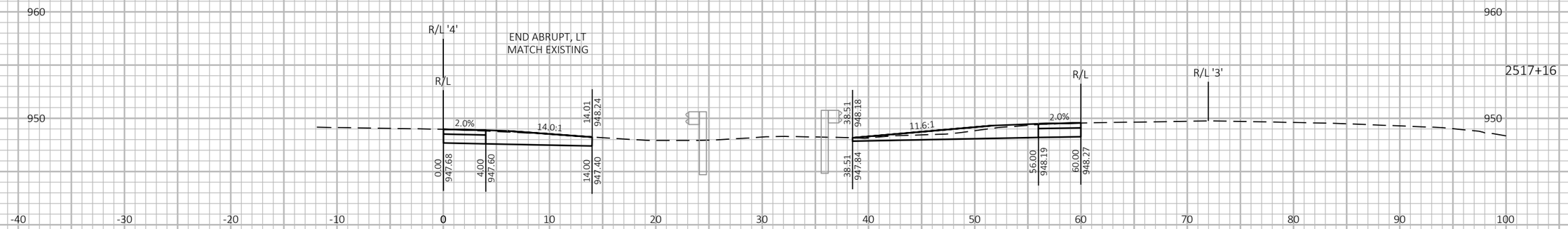
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LAYOUT NAME - 23

PLOT DATE : 7/26/2023 4:19 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG
USH 53 SB ALIGNMENT







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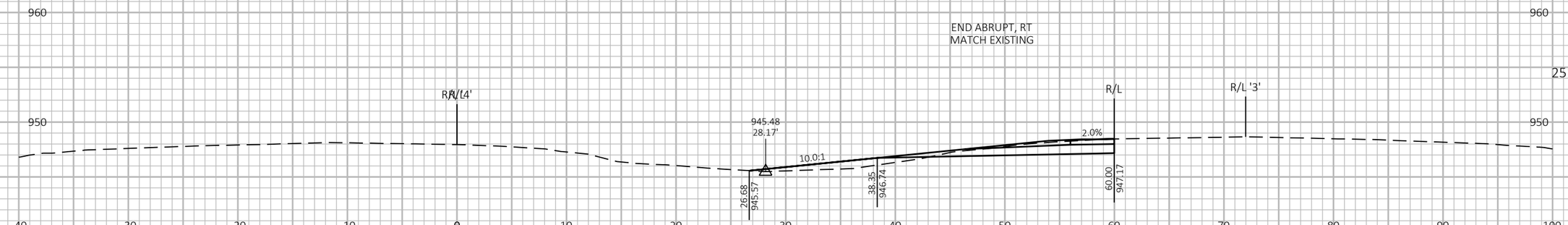
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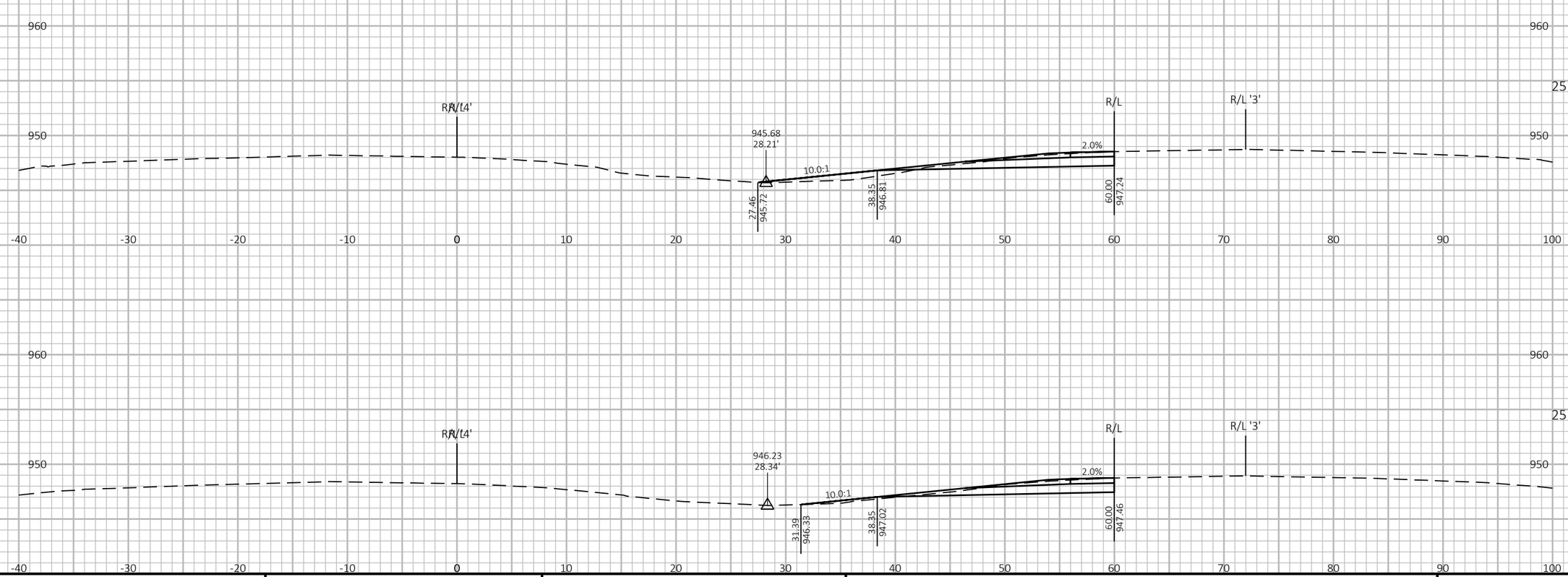
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090238-XS.DWG
LAYOUT NAME - 24

PLOT DATE : 7/26/2023 4:20 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG
USH 53 SB ALIGNMENT





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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB & NB - NORTH PROJECT LIMIT	SHEET 1266	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090238-XS.DWG
LAYOUT NAME - 25

PLOT DATE : 7/26/2023 4:20 PM

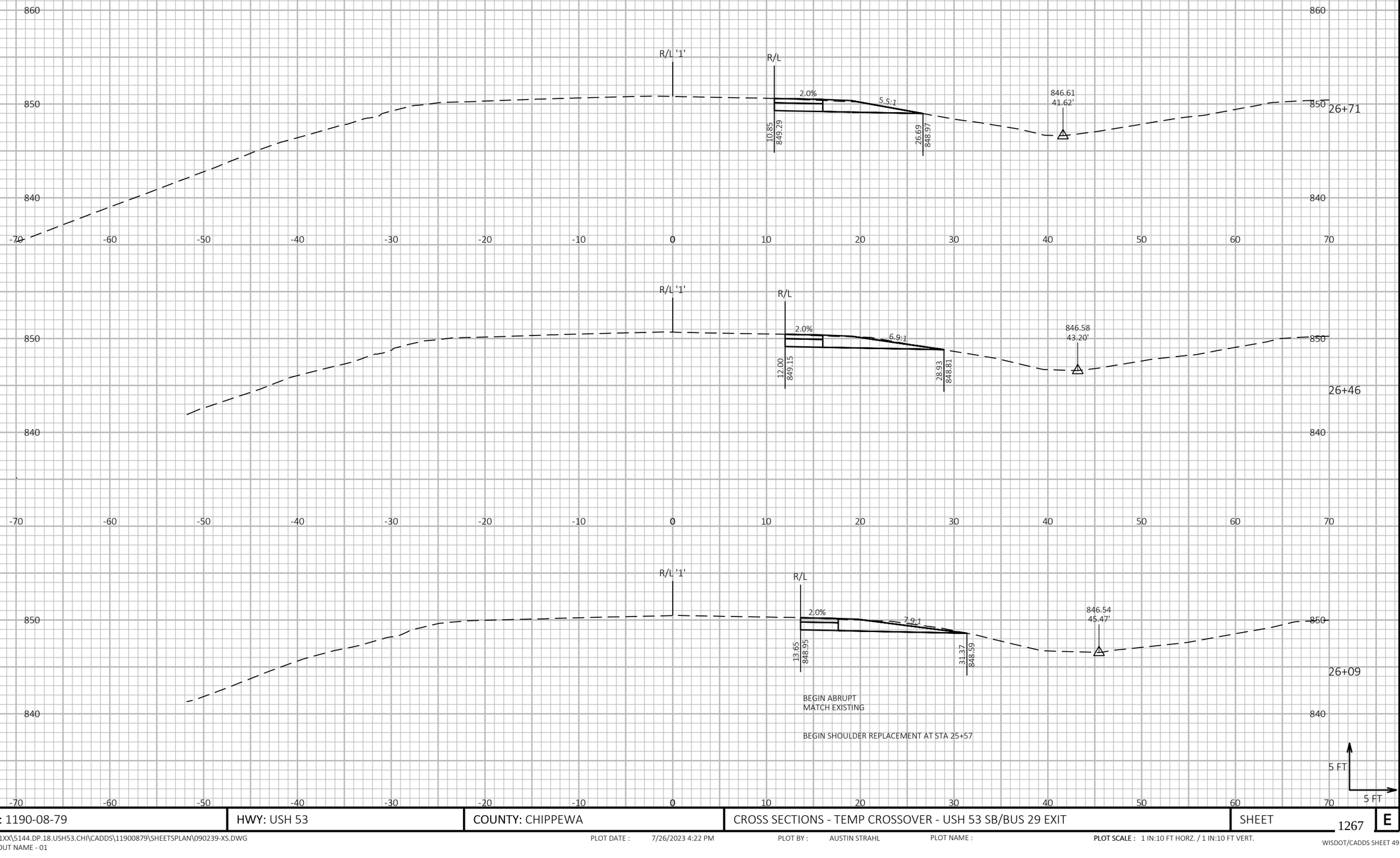
PLOT BY : AUSTIN STRAHL

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 SB/BUS 29 EXIT CROSSOVER 1 - 'XC1' ALIGNMENT



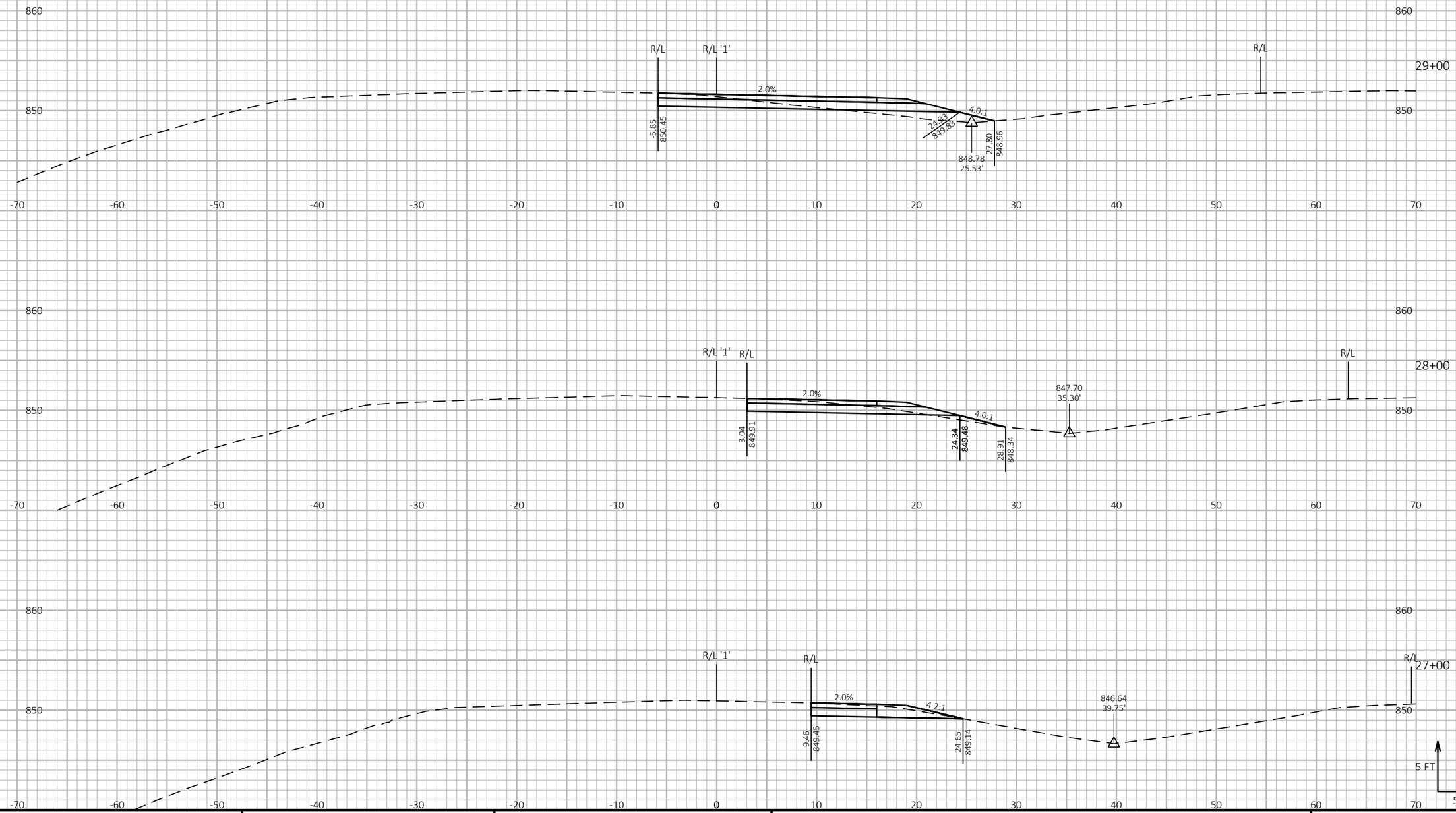
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB/BUS 29 EXIT	SHEET 1267	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090239-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 4:22 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 SB/BUS 29 EXIT CROSSOVER 1 - 'XC1' ALIGNMENT

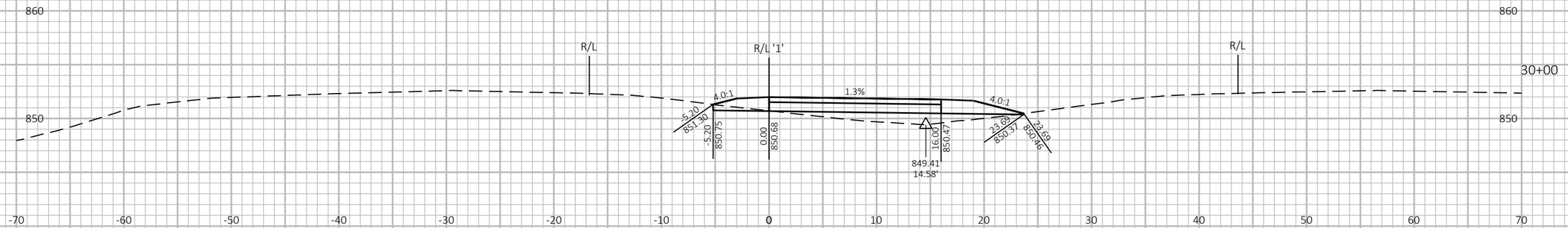


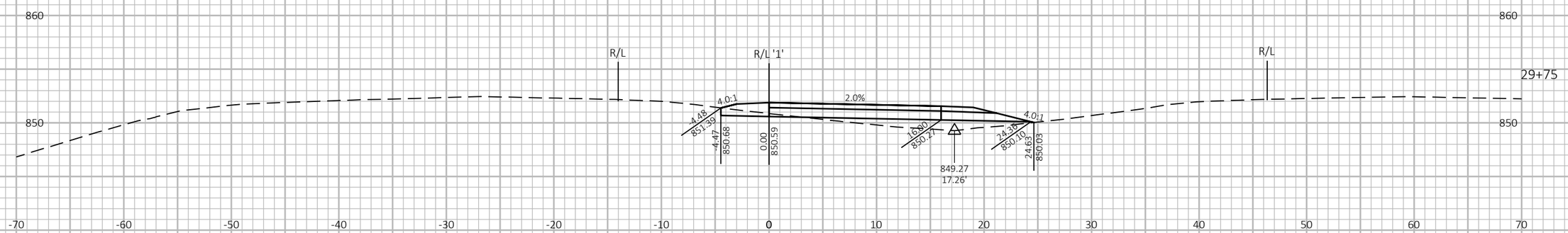
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB/BUS 29 EXIT	SHEET 1268 E

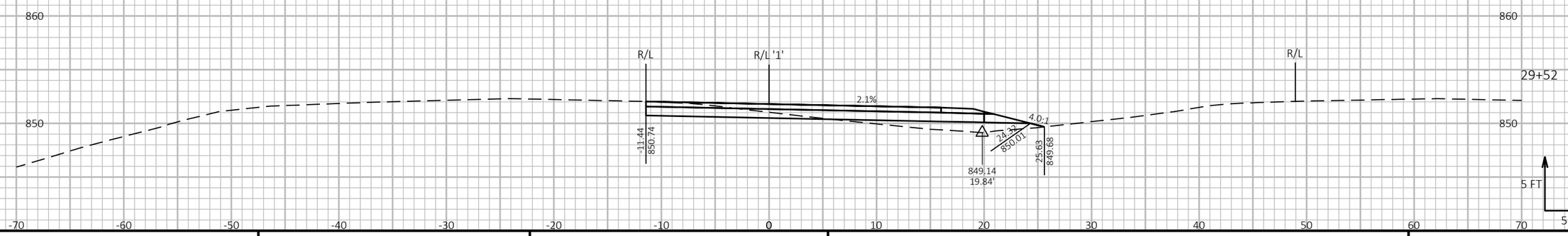
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LAYOUT NAME - 02

PLOT DATE : 7/26/2023 4:23 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 SB/BUS 29 EXIT CROSSOVER 1 - 'XC1' ALIGNMENT







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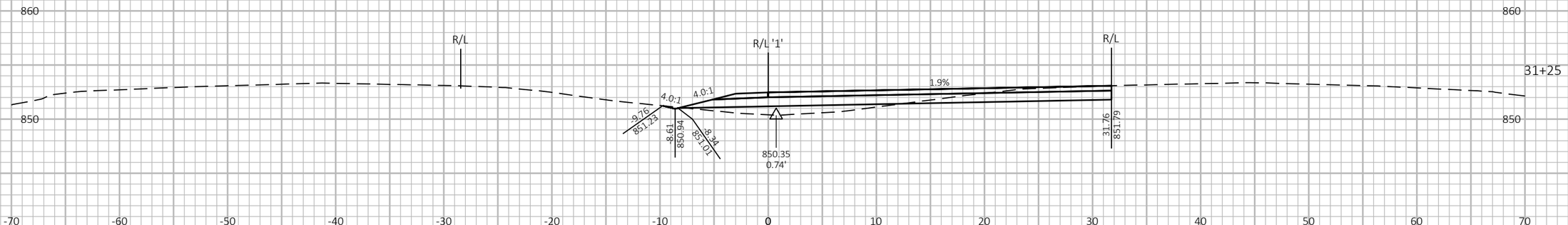
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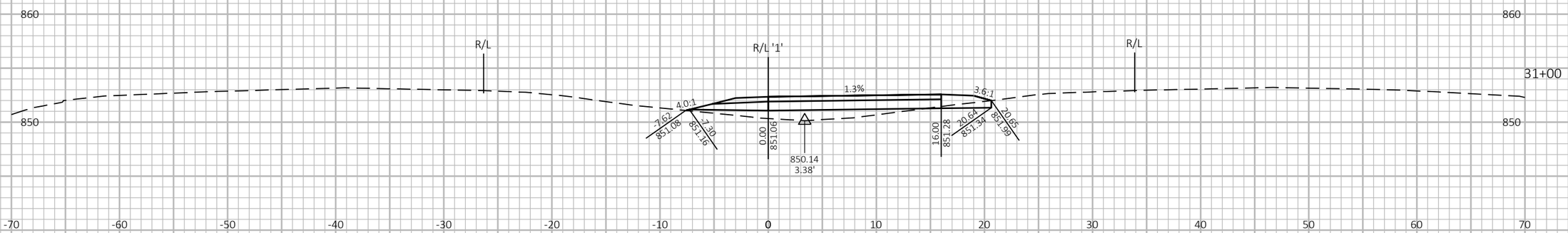
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LAYOUT NAME - 03

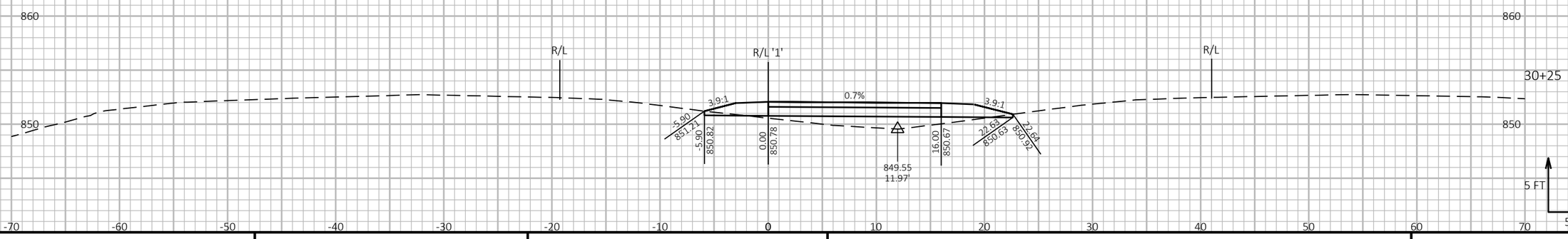
PLOT DATE : 7/26/2023 4:23 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 SB/BUS 29 EXIT CROSSOVER 1 - 'XC1' ALIGNMENT







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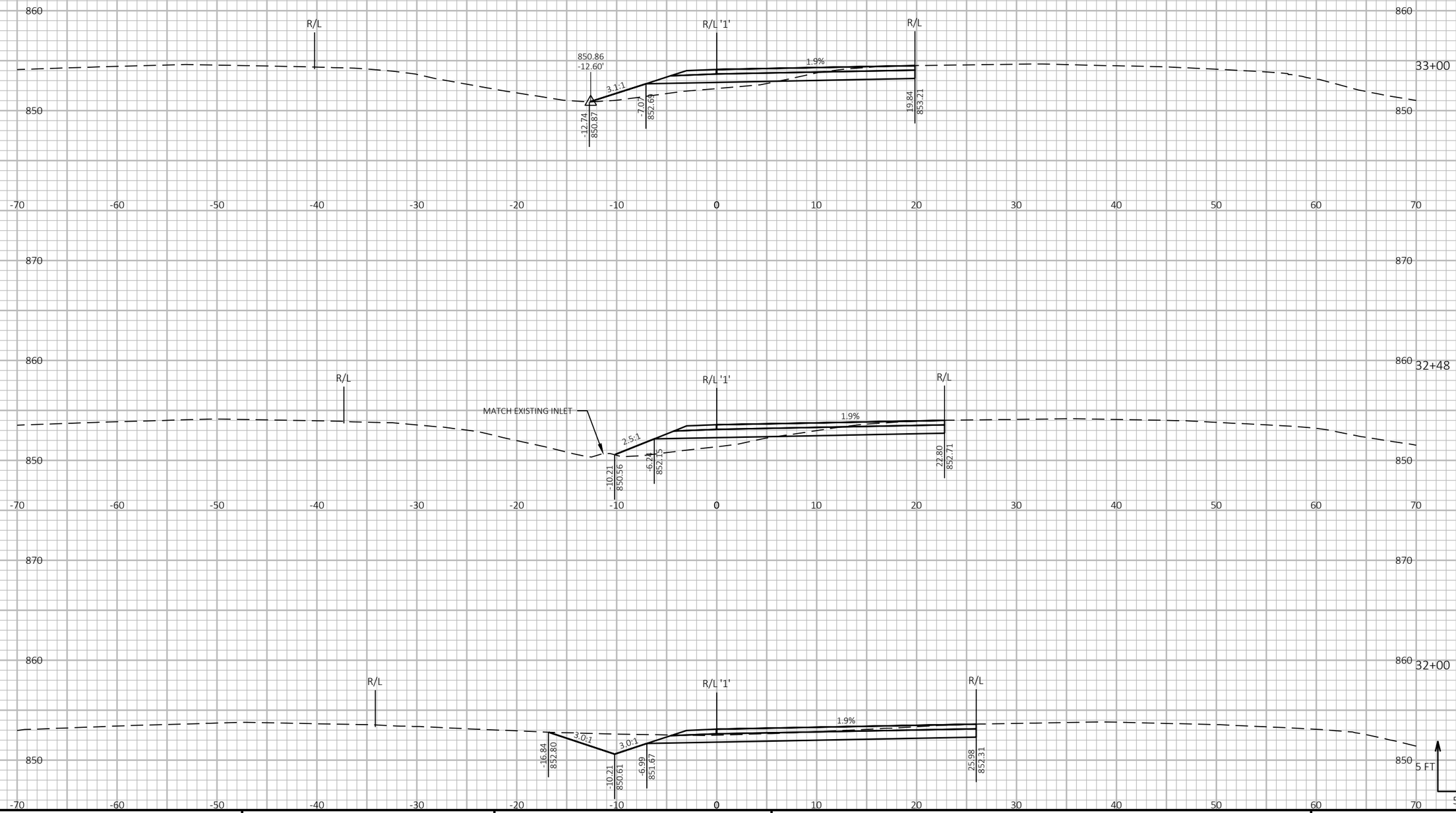
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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB/BUS 29 EXIT	SHEET 1270	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090239-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 7/26/2023 4:23 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 SB/BUS 29 EXIT CROSSOVER 1 - 'XC1' ALIGNMENT



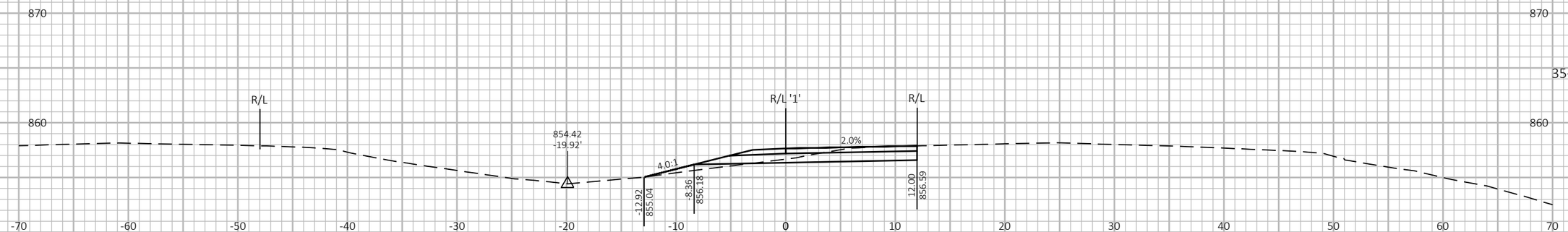
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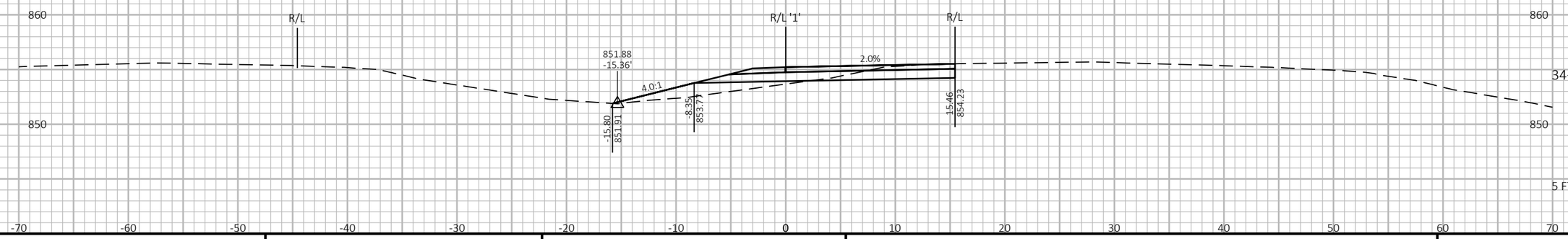
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LAYOUT NAME - 05
PLOT DATE : 7/26/2023 4:23 PM
PLOT BY : AUSTIN STRAHL
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 SB/BUS 29 EXIT CROSSOVER 1 - 'XC1' ALIGNMENT







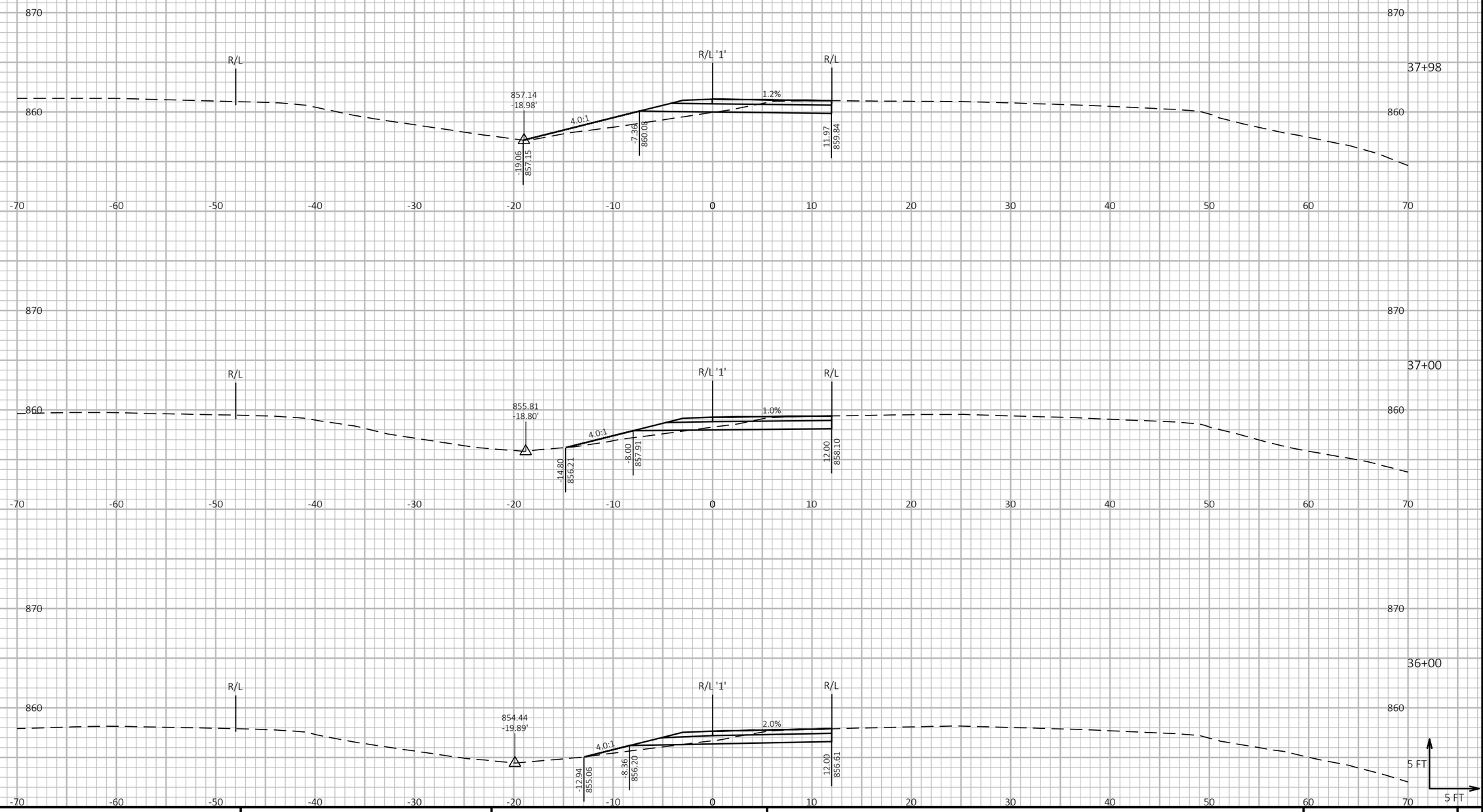
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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB/BUS 29 EXIT	SHEET 1272	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090239-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/26/2023 4:23 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 SB/BUS 29 EXIT CROSSOVER 1 - 'XC1' ALIGNMENT



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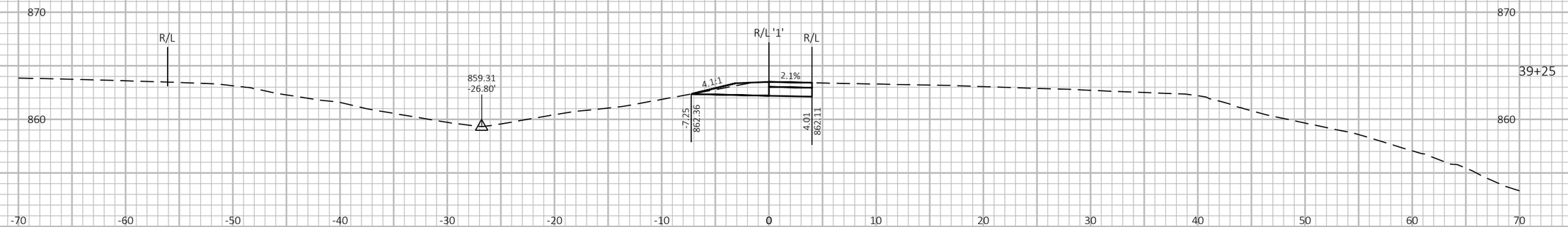
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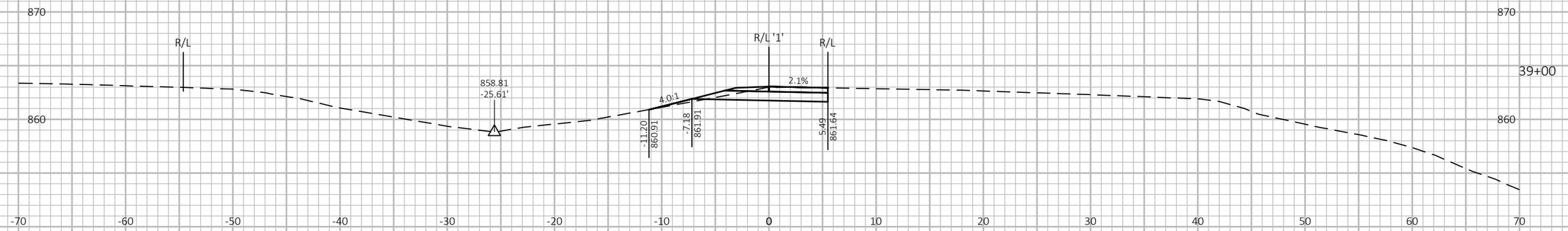
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LAYOUT NAME - 07

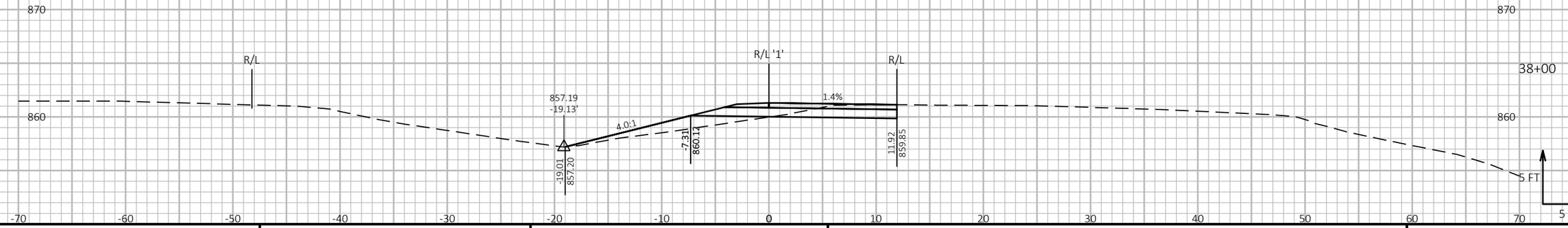
PLOT DATE : 7/26/2023 4:23 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 SB/BUS 29 EXIT CROSSOVER 1 - 'XC1' ALIGNMENT







9 9

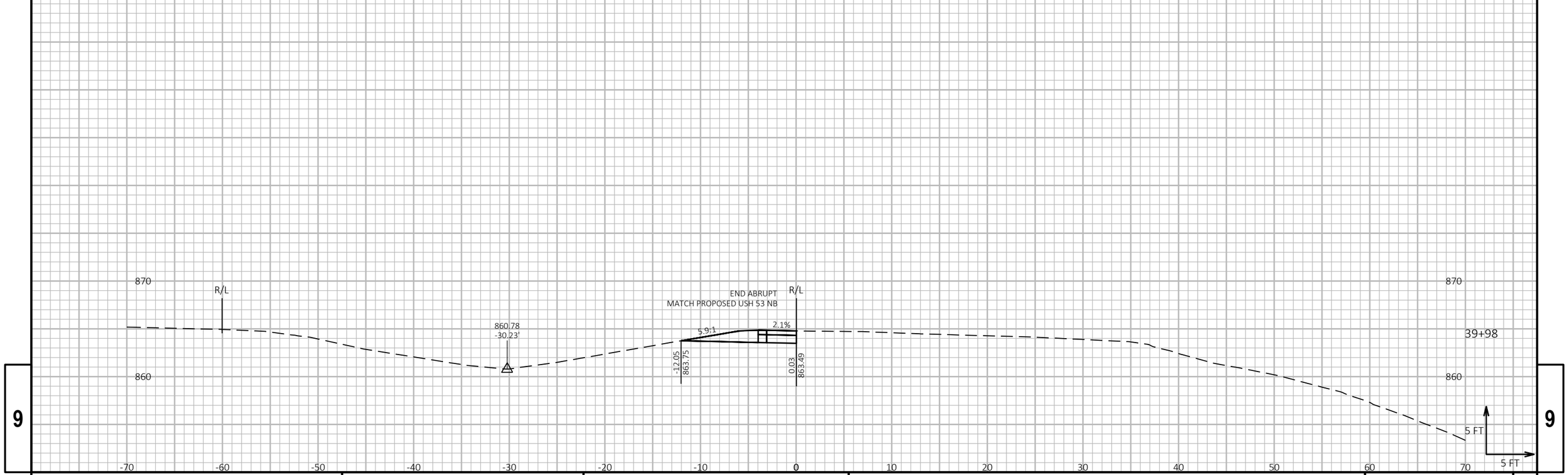
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB/BUS 29 EXIT	SHEET 1274	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090239-XS.DWG
LAYOUT NAME - 08

PLOT DATE : 7/26/2023 4:23 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 SB/BUS 29 EXIT CROSSOVER 1 - 'XC1' ALIGNMENT



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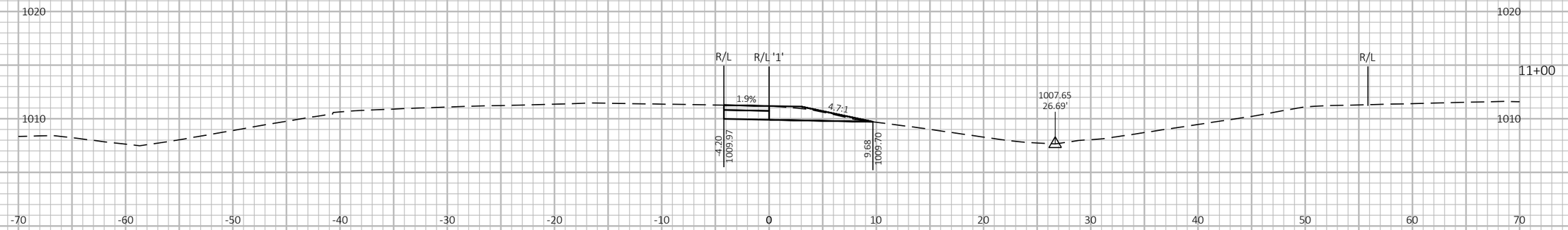
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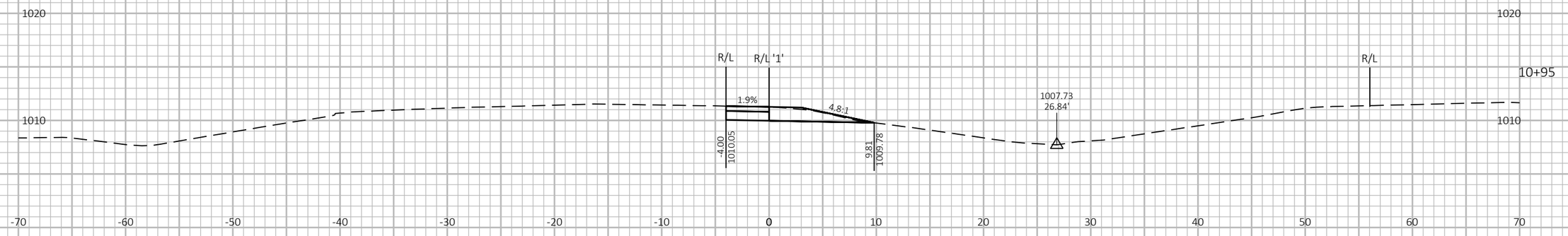
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LAYOUT NAME - 09

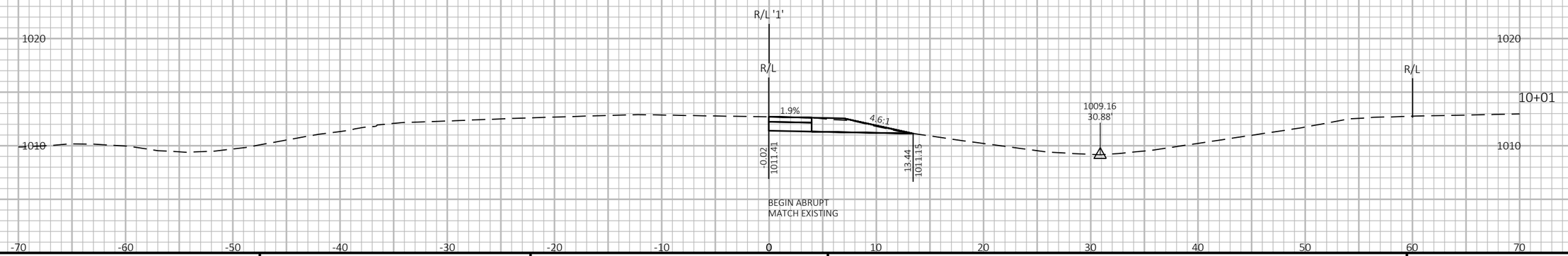
PLOT DATE : 7/26/2023 4:23 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 NB/CTH S EXIT CROSSOVER 1 - 'SA1' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH S EXIT	SHEET 1276	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090240-XS.DWG
LAYOUT NAME - 01

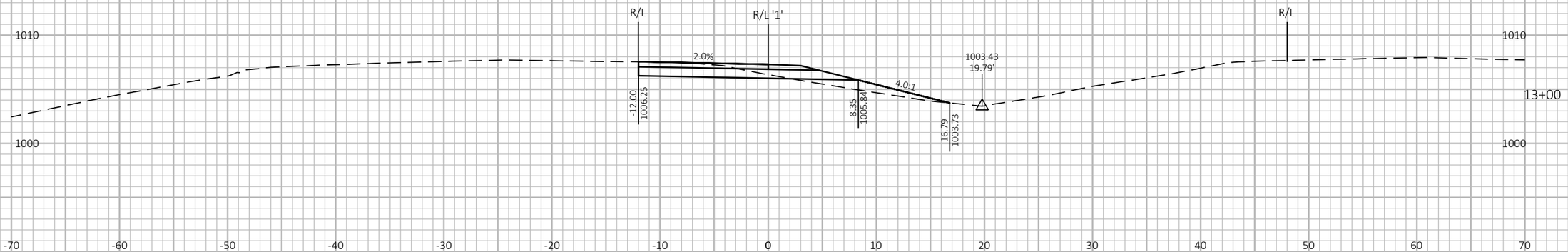
PLOT DATE : 7/26/2023 4:26 PM

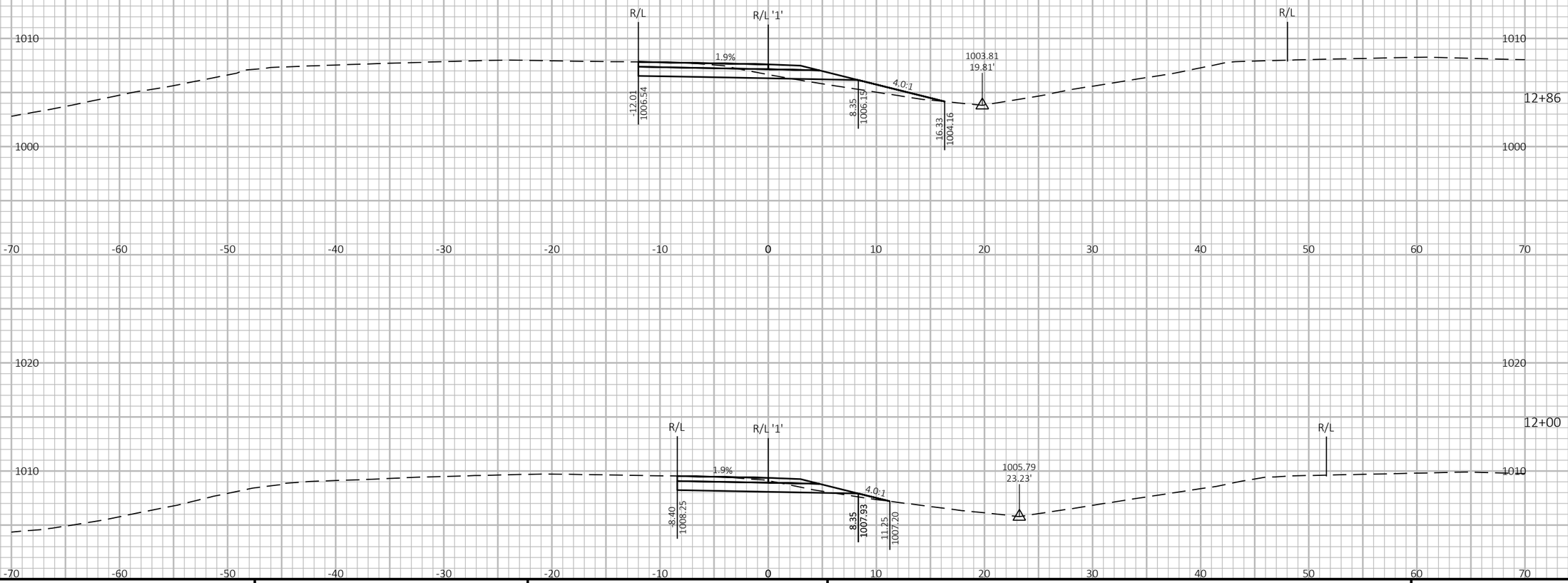
PLOT BY : AUSTIN STRAHL

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 NB/CTH S EXIT CROSSOVER 1 - 'SA1' ALIGNMENT





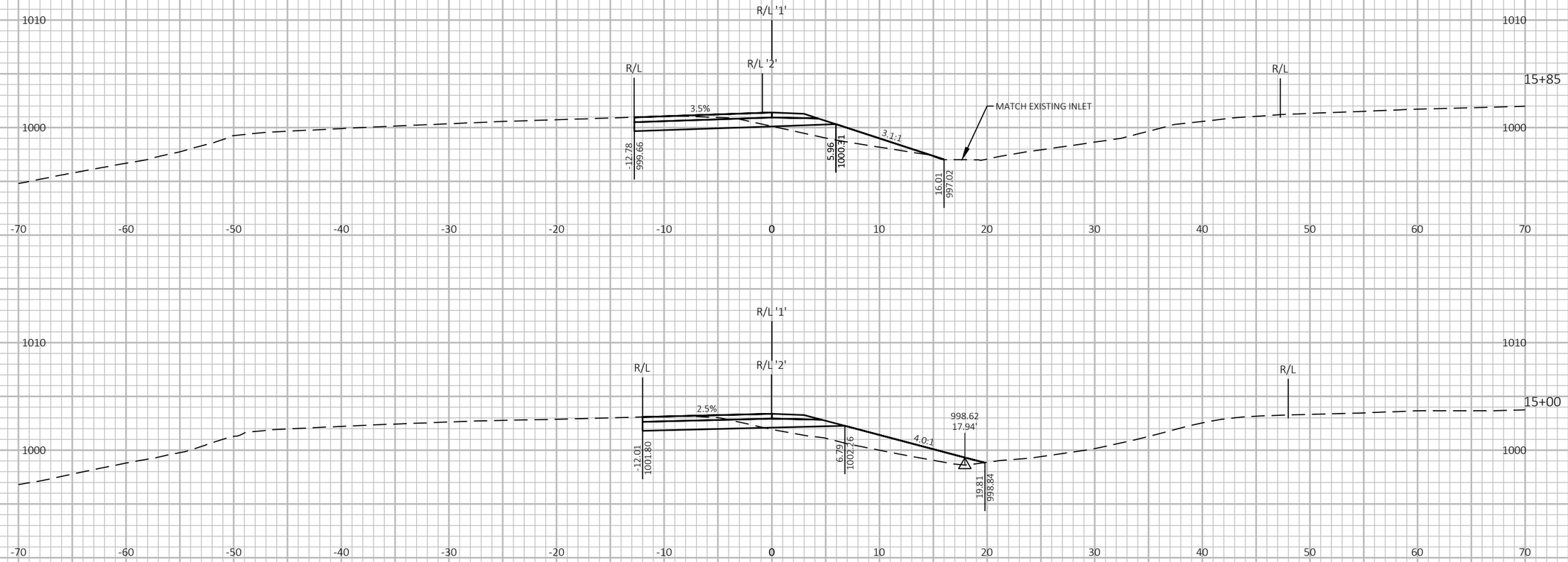
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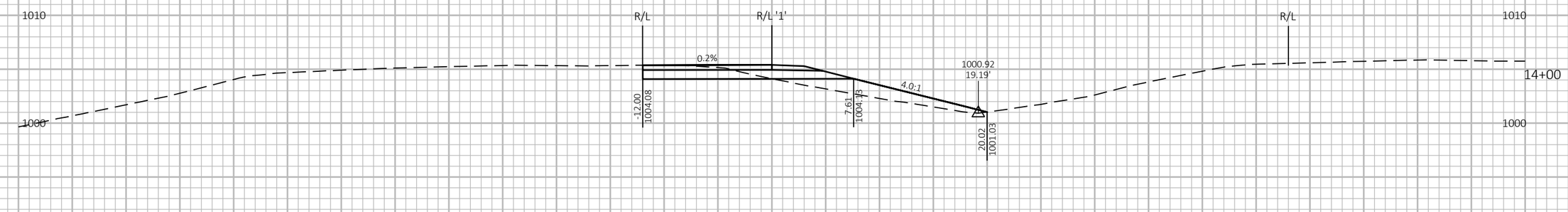
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LAYOUT NAME - 02

PLOT DATE : 7/26/2023 4:26 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 NB/CTH S EXIT CROSSOVER 1 - 'SA1' ALIGNMENT





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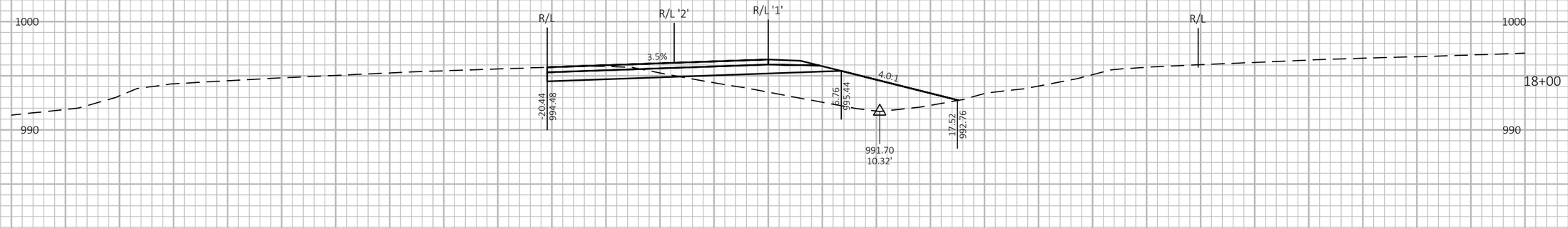
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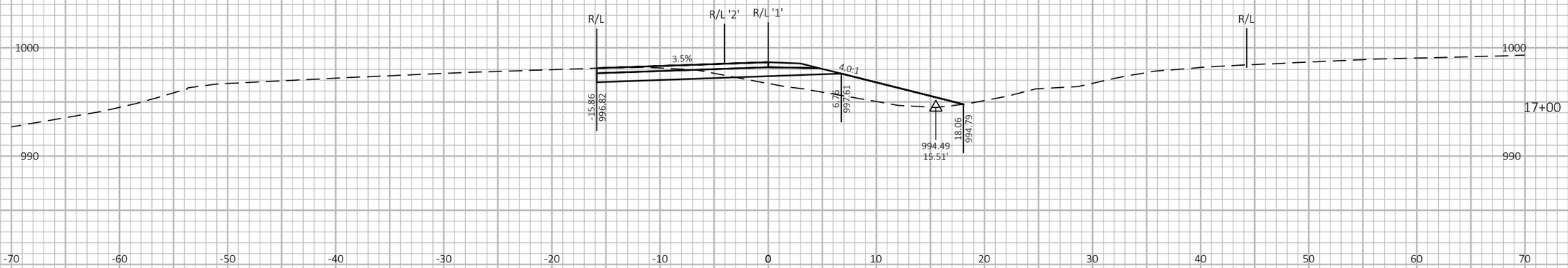
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LAYOUT NAME - 03

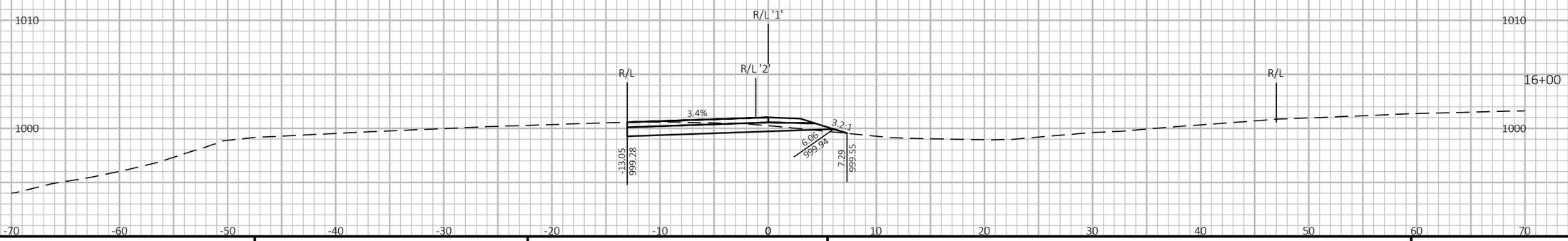
PLOT DATE : 7/26/2023 4:26 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 NB/CTH S EXIT CROSSOVER 1 - 'SA1' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH S EXIT	SHEET 1279	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090240-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 7/26/2023 4:26 PM

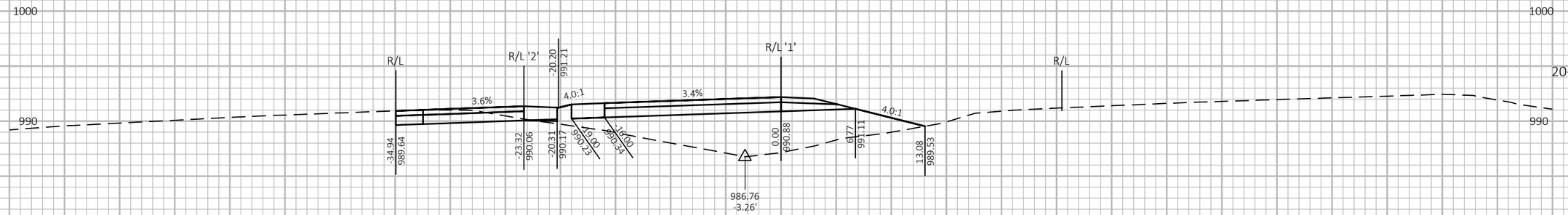
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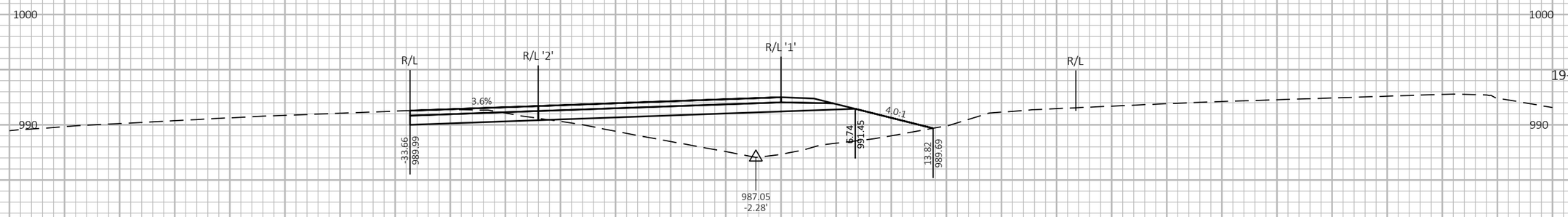
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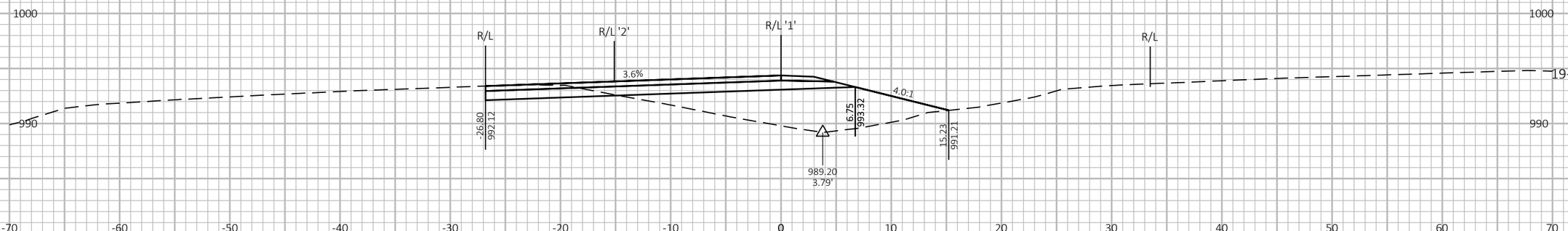
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 NB/CTH S EXIT CROSSOVER 1 - 'SA1' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH S EXIT	SHEET 1280	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090240-XS.DWG
LAYOUT NAME - 05

PLOT DATE : 7/26/2023 4:26 PM

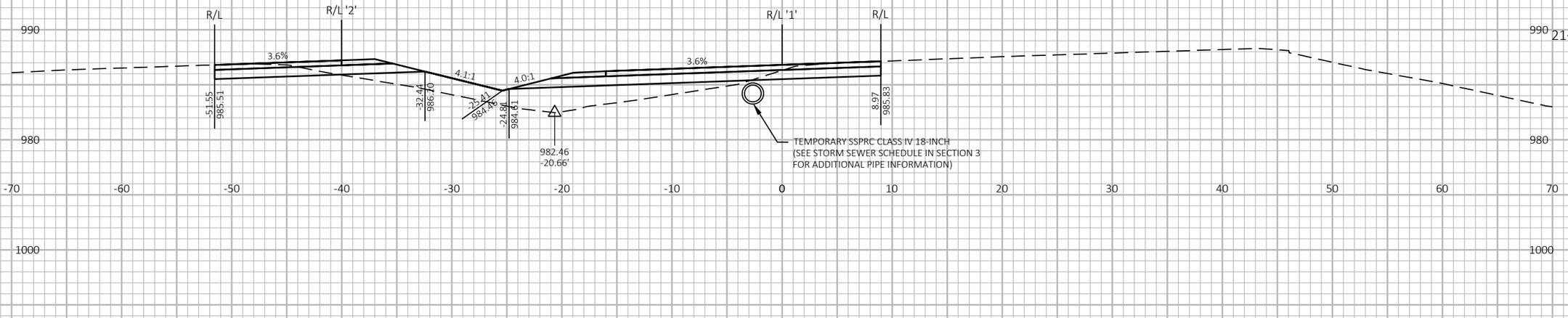
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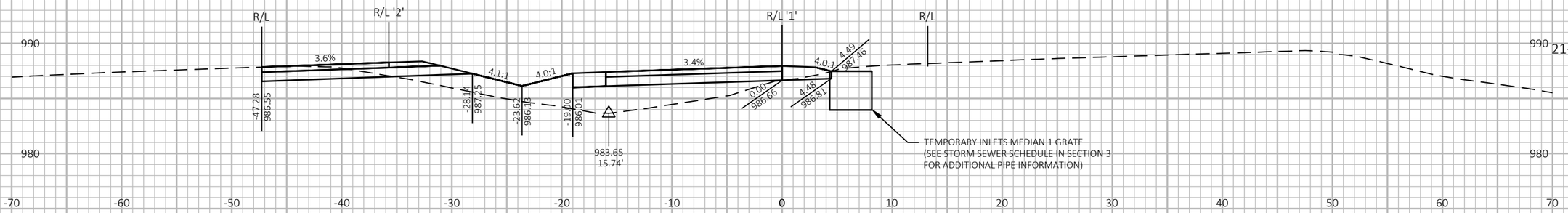
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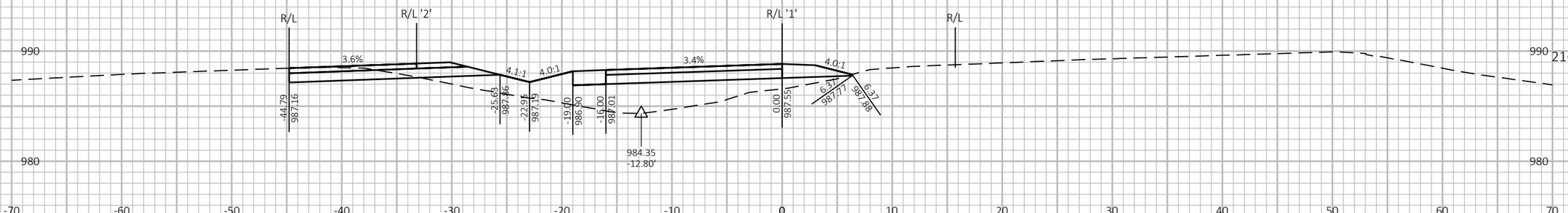
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 NB/CTH S EXIT CROSSOVER 1 - 'SA1' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH S EXIT	SHEET 1281	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090240-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/26/2023 4:26 PM

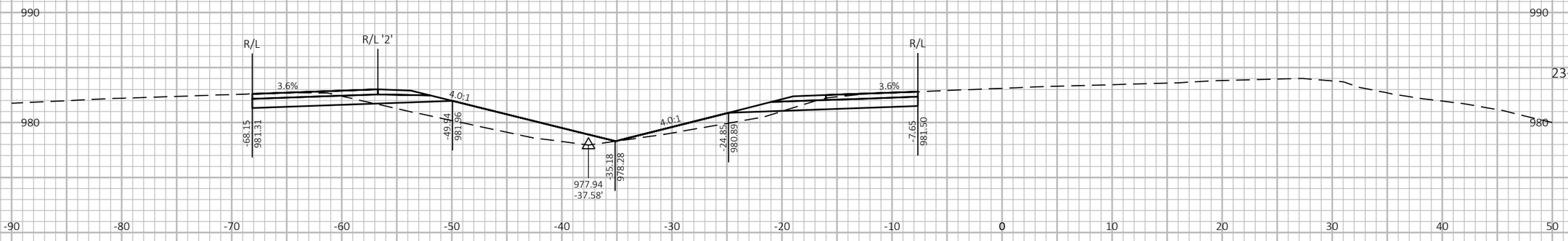
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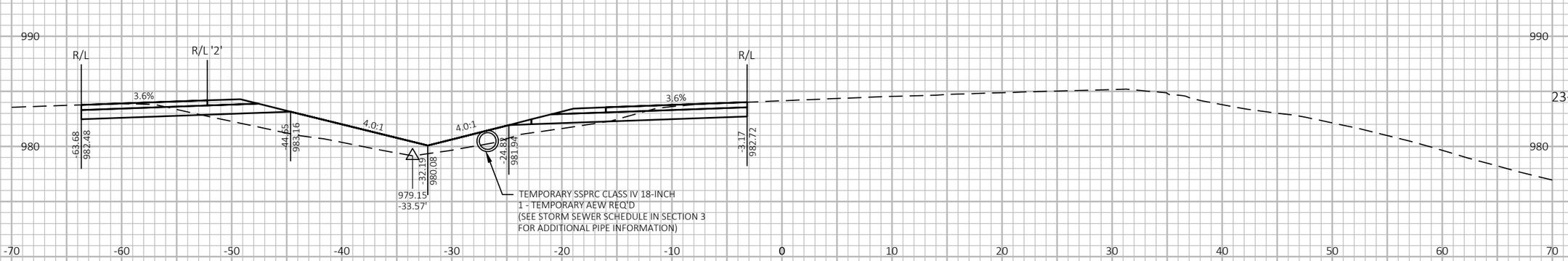
PLOT NAME :

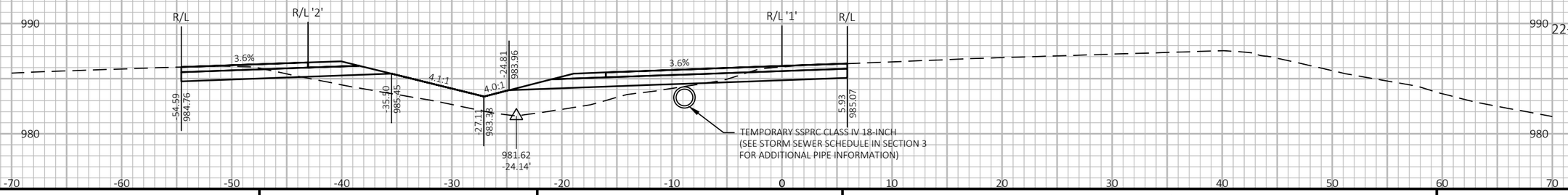
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 NB/CTH S EXIT CROSSOVER 1 - 'SA1' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH S EXIT	SHEET 1282	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090240-XS.DWG
LAYOUT NAME - 07

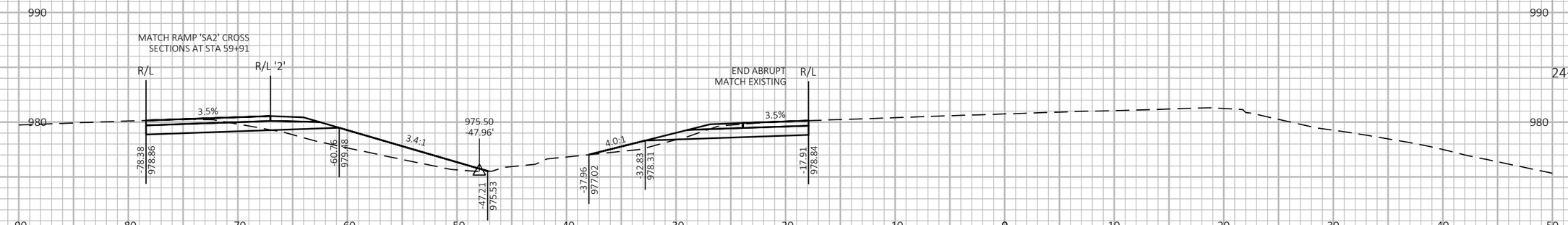
PLOT DATE : 7/26/2023 4:26 PM

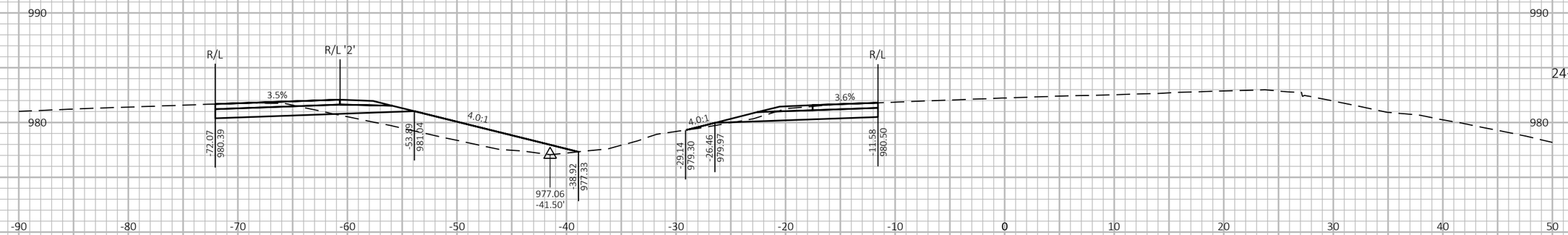
PLOT BY : AUSTIN STRAHL

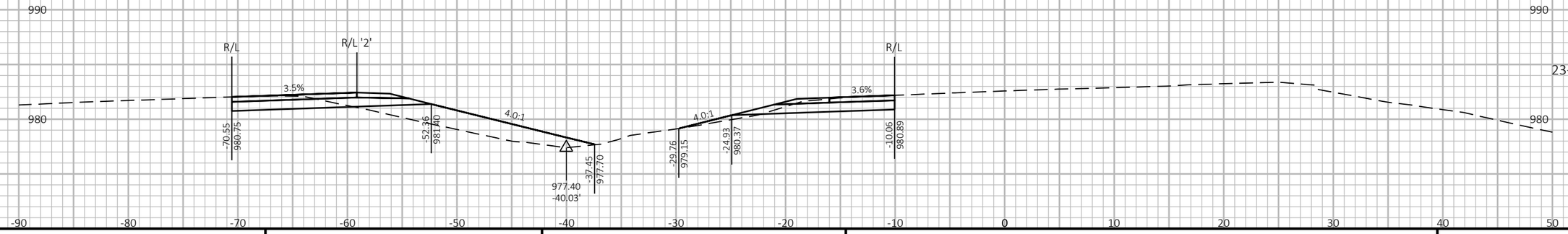
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 NB/CTH S EXIT CROSSOVER 1 - 'SA1' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH S EXIT	SHEET 1283	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090240-XS.DWG
LAYOUT NAME - 08

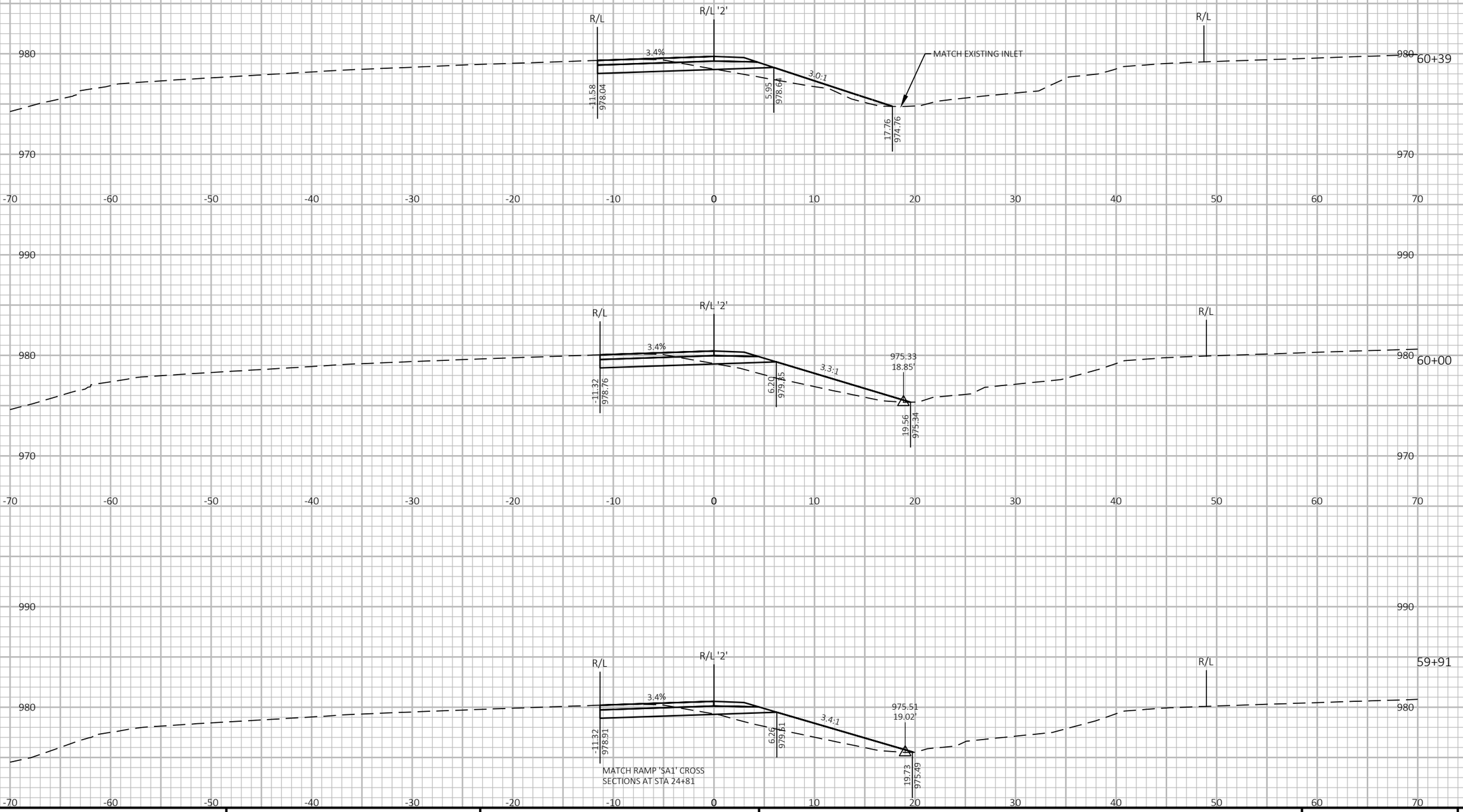
PLOT DATE : 7/26/2023 4:27 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 NB/CTH S EXIT CROSSOVER 2 - 'SA2' ALIGNMENT



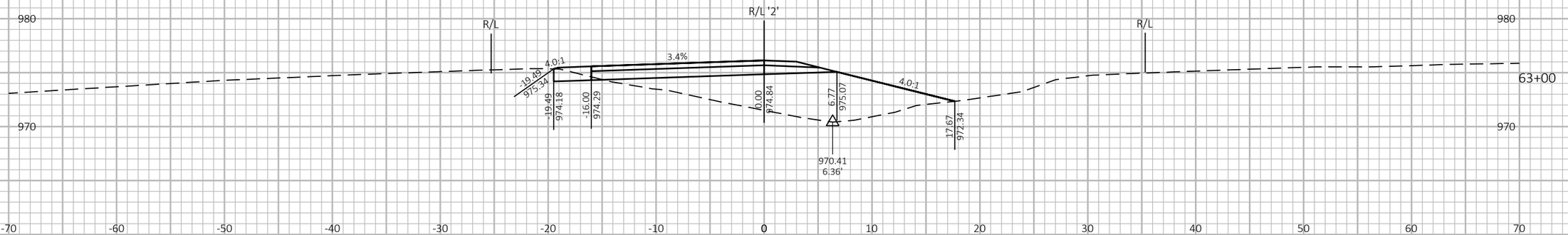
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH S EXIT	SHEET 1284	E

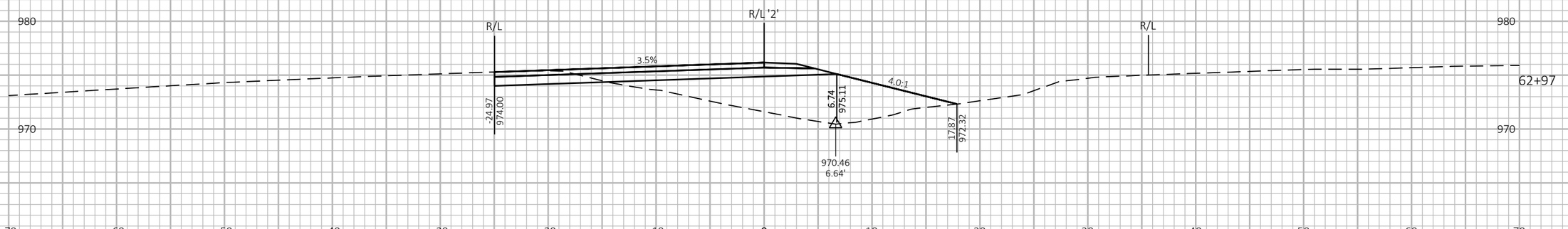
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LAYOUT NAME - 01

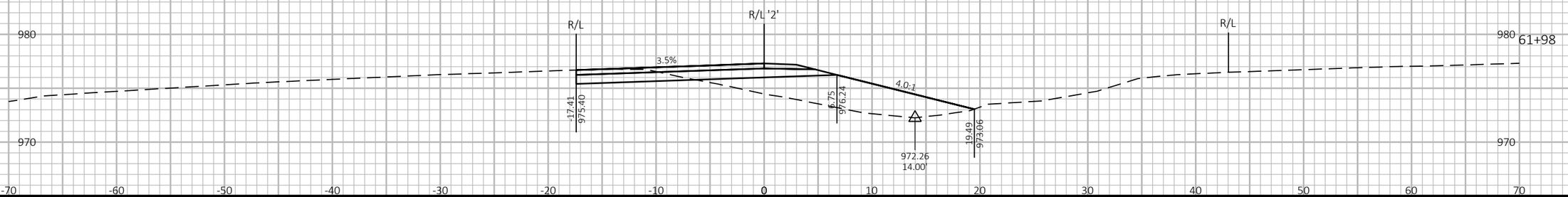
PLOT DATE : 7/26/2023 4:31 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 NB/CTH S EXIT CROSSOVER 2 - 'SA2' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH S EXIT	SHEET 1285	E

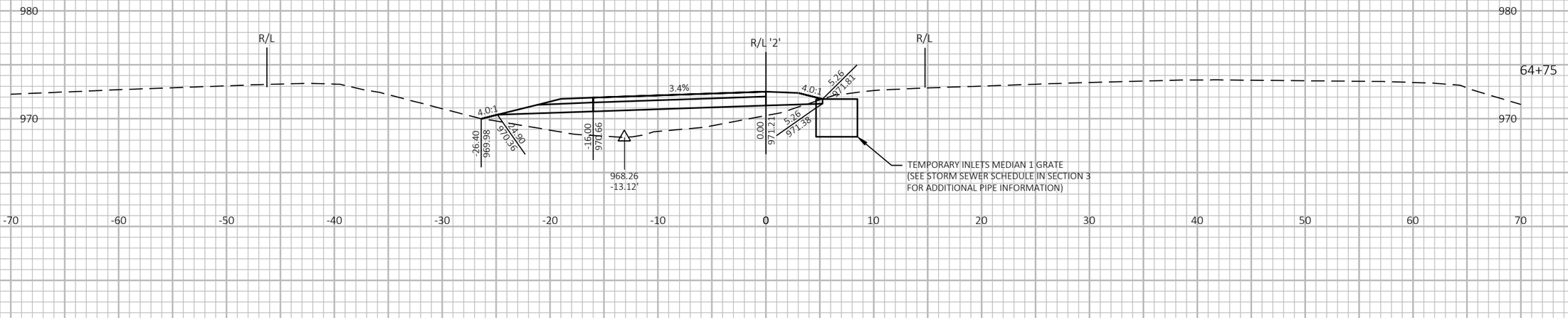
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LAYOUT NAME - 02

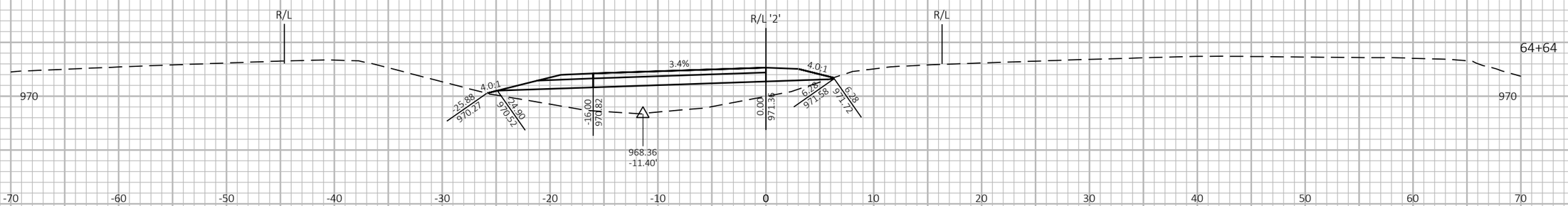
PLOT DATE : 7/26/2023 4:31 PM PLOT BY : AUSTIN STRAHL PLOT NAME :

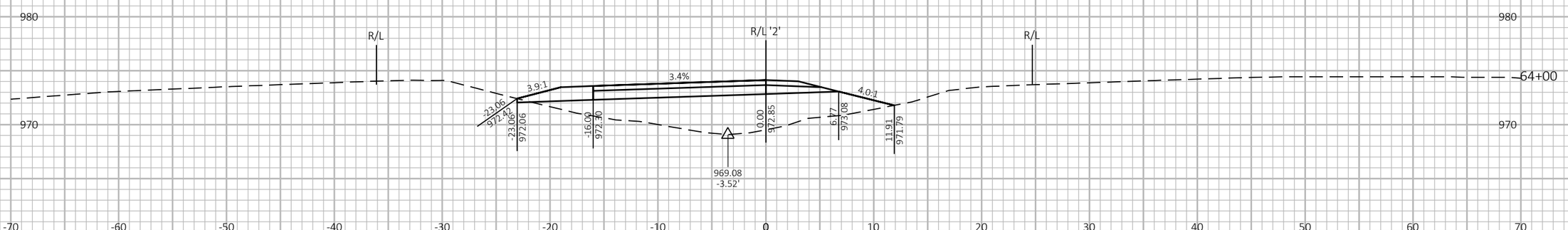
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 NB/CTH S EXIT CROSSOVER 2 - 'SA2' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH S EXIT	SHEET 1286	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090241-XS.DWG
LAYOUT NAME - 03

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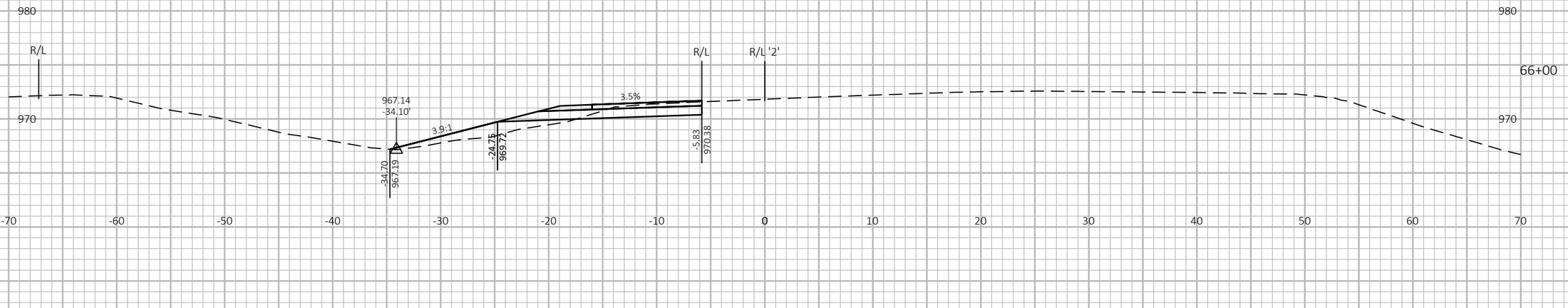
PLOT BY : AUSTIN STRAHL

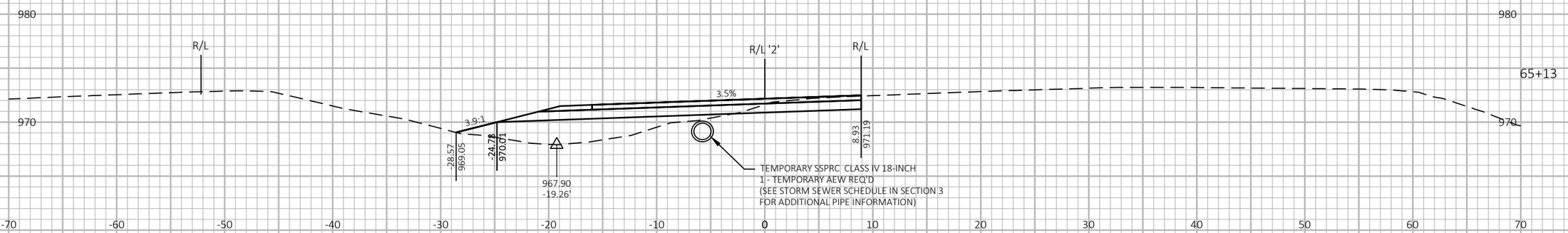
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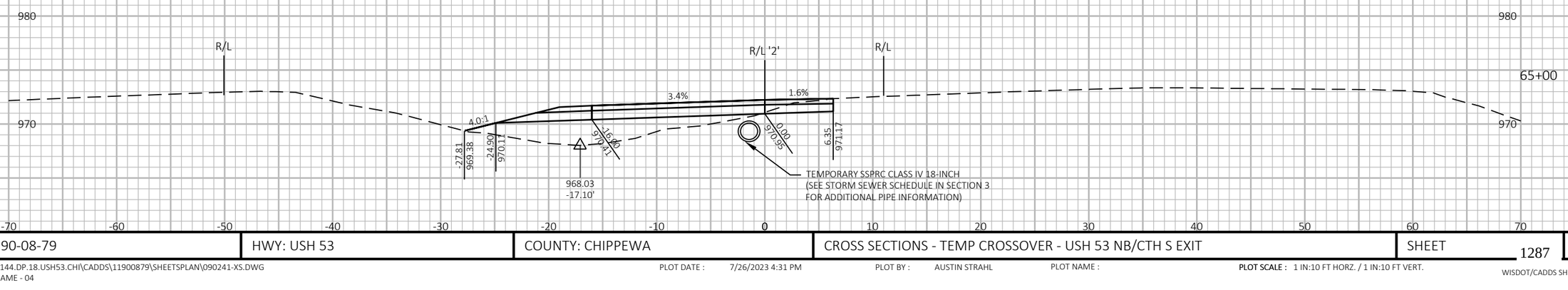
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 NB/CTH S EXIT CROSSOVER 2 - 'SA2' ALIGNMENT







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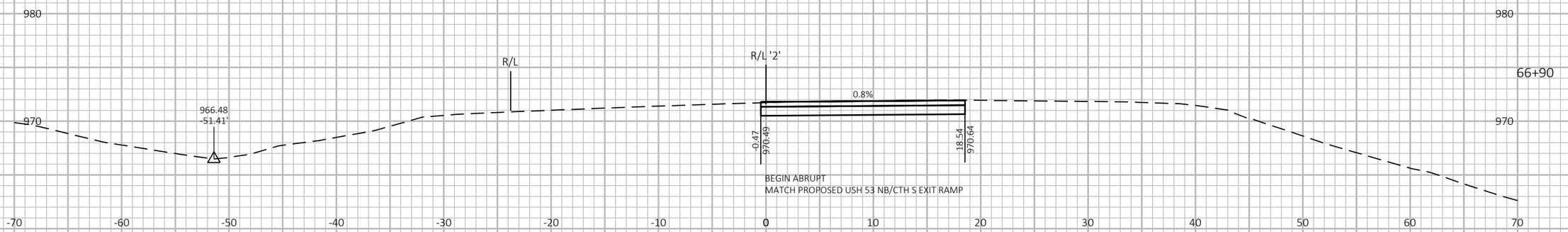
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH S EXIT	SHEET 1287	E

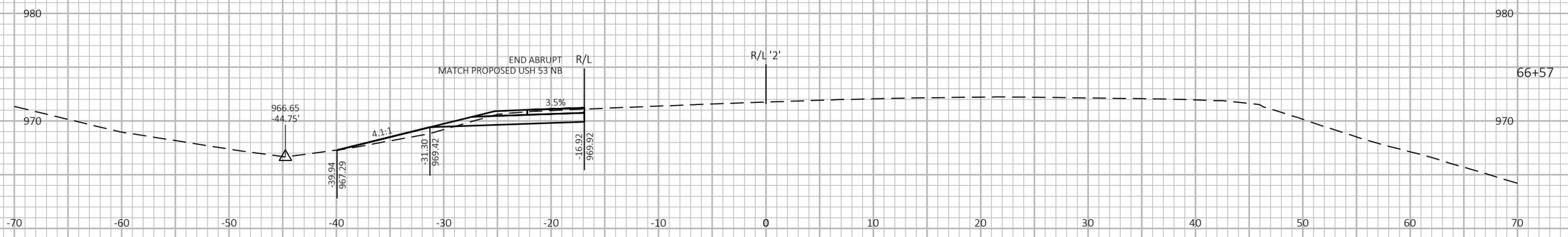
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LAYOUT NAME - 04

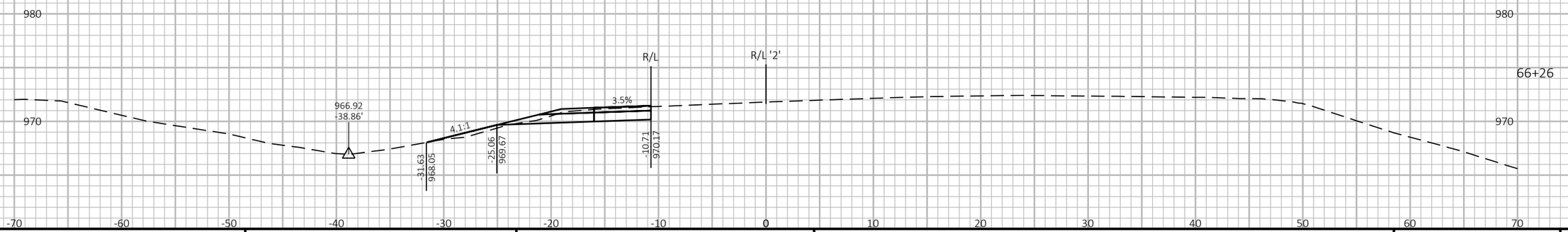
PLOT DATE : 7/26/2023 4:31 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 NB/CTH S EXIT CROSSOVER 2 - 'SA2' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH S EXIT	SHEET 1288	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090241-XS.DWG
LAYOUT NAME - 05

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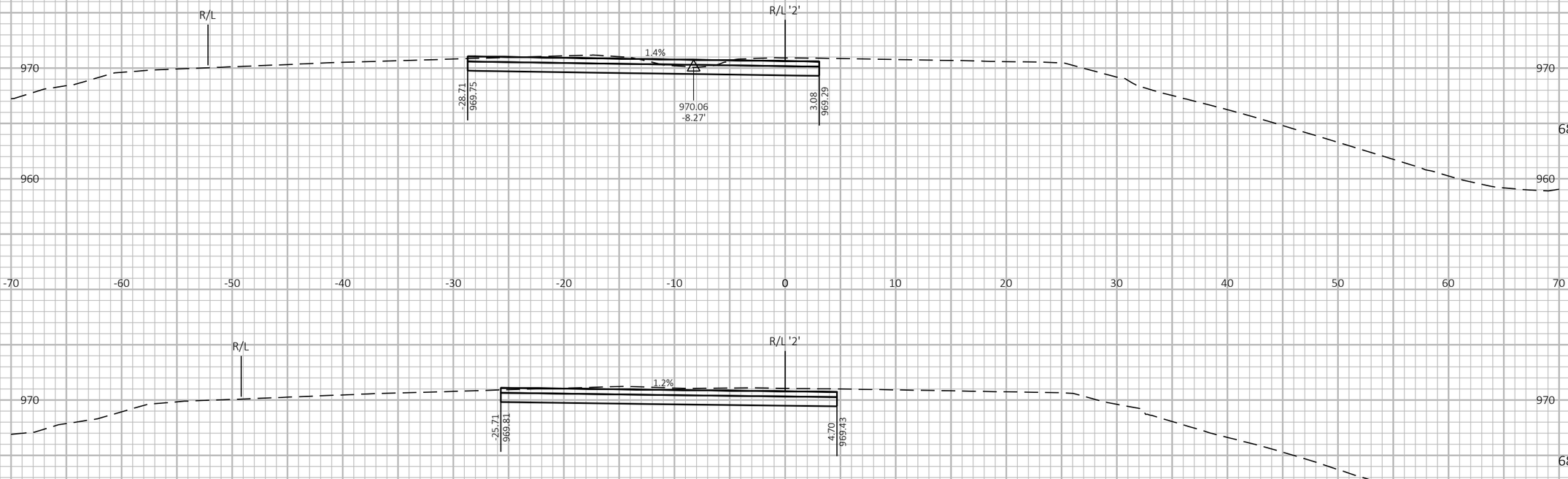
PLOT BY : AUSTIN STRAHL

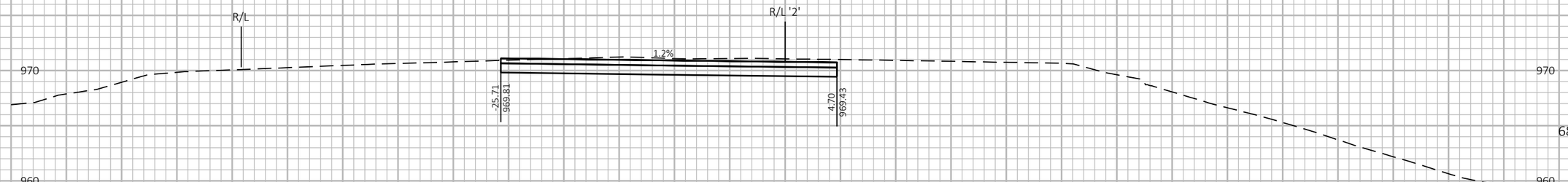
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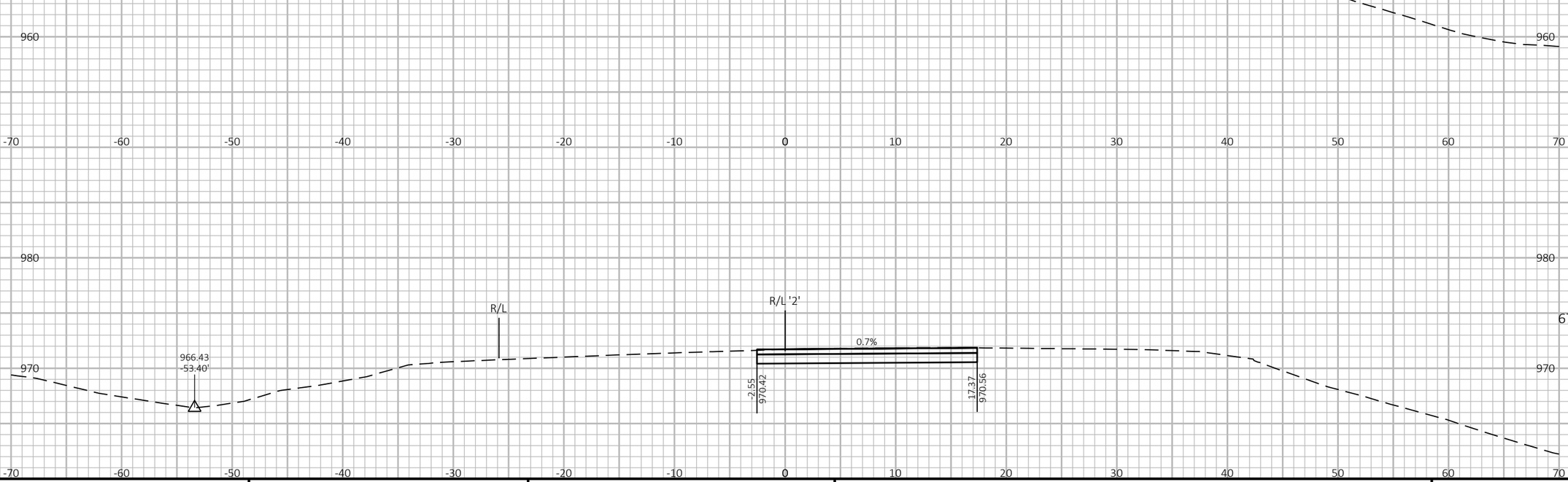
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 NB/CTH S EXIT CROSSOVER 2 - 'SA2' ALIGNMENT







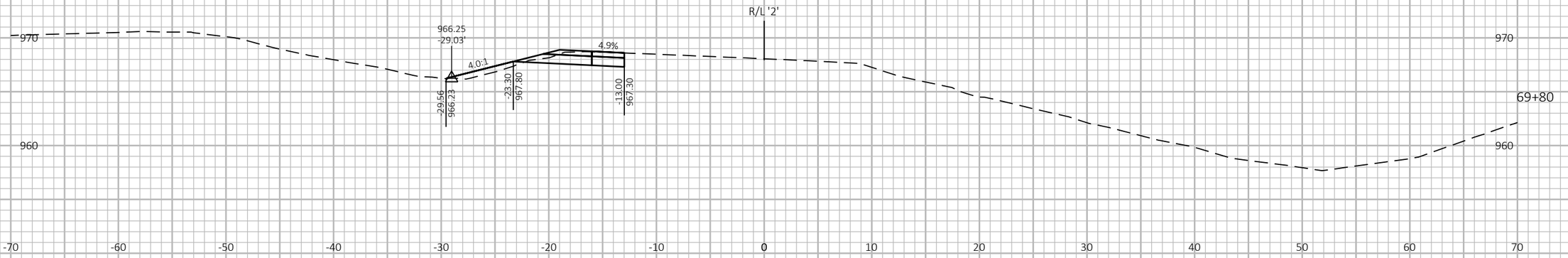
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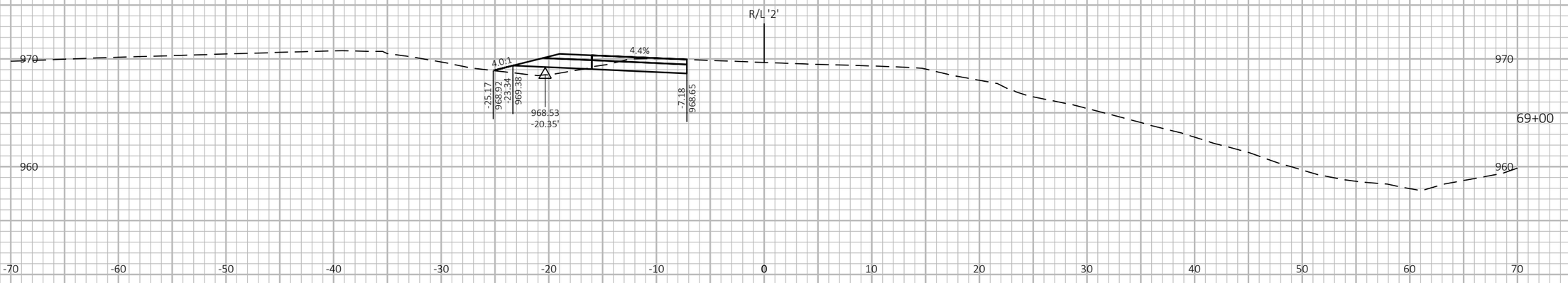
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH S EXIT	SHEET 1289	E

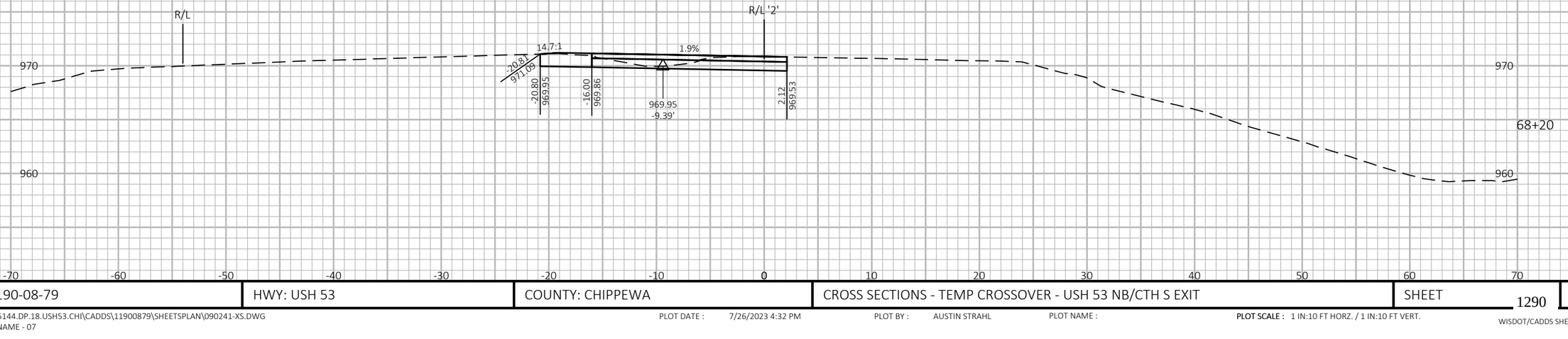
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LAYOUT NAME - 06

PLOT DATE : 7/26/2023 4:31 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 NB/CTH S EXIT CROSSOVER 2 - 'SA2' ALIGNMENT







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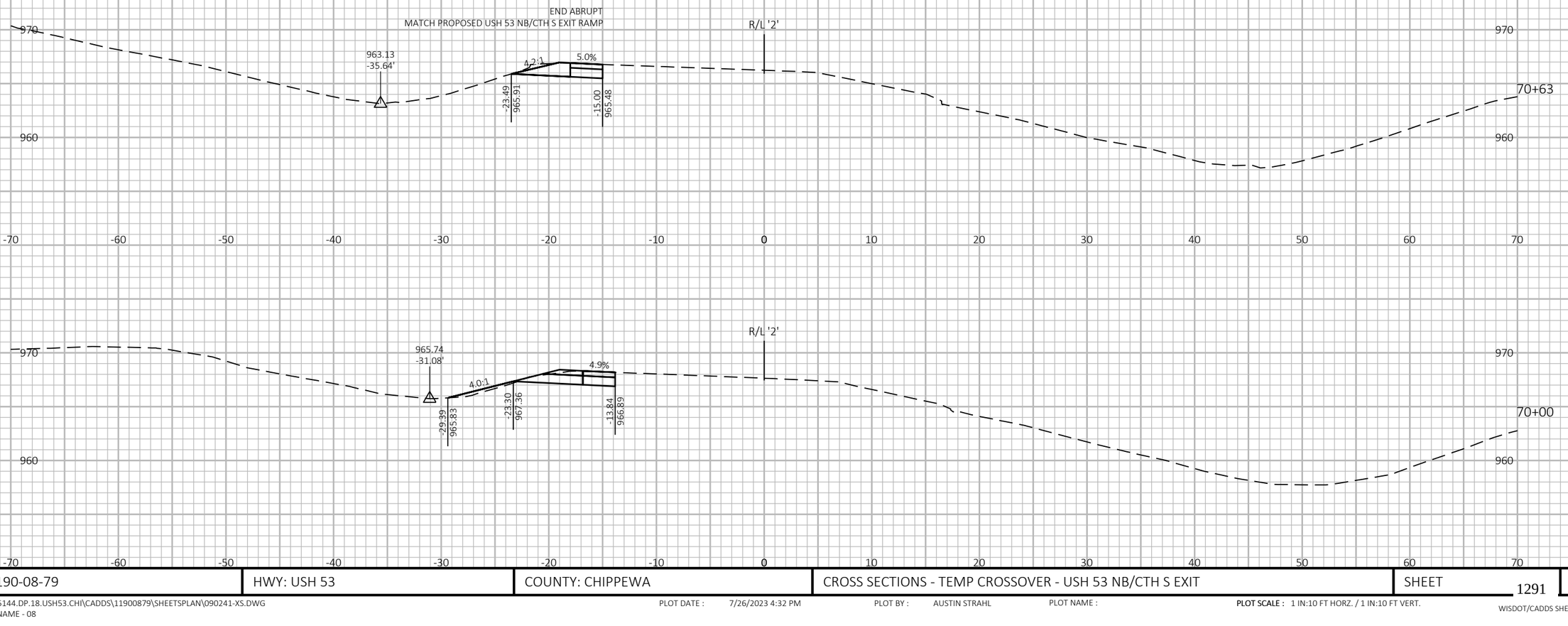
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FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090241-XS.DWG
LAYOUT NAME - 07

PLOT DATE : 7/26/2023 4:32 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

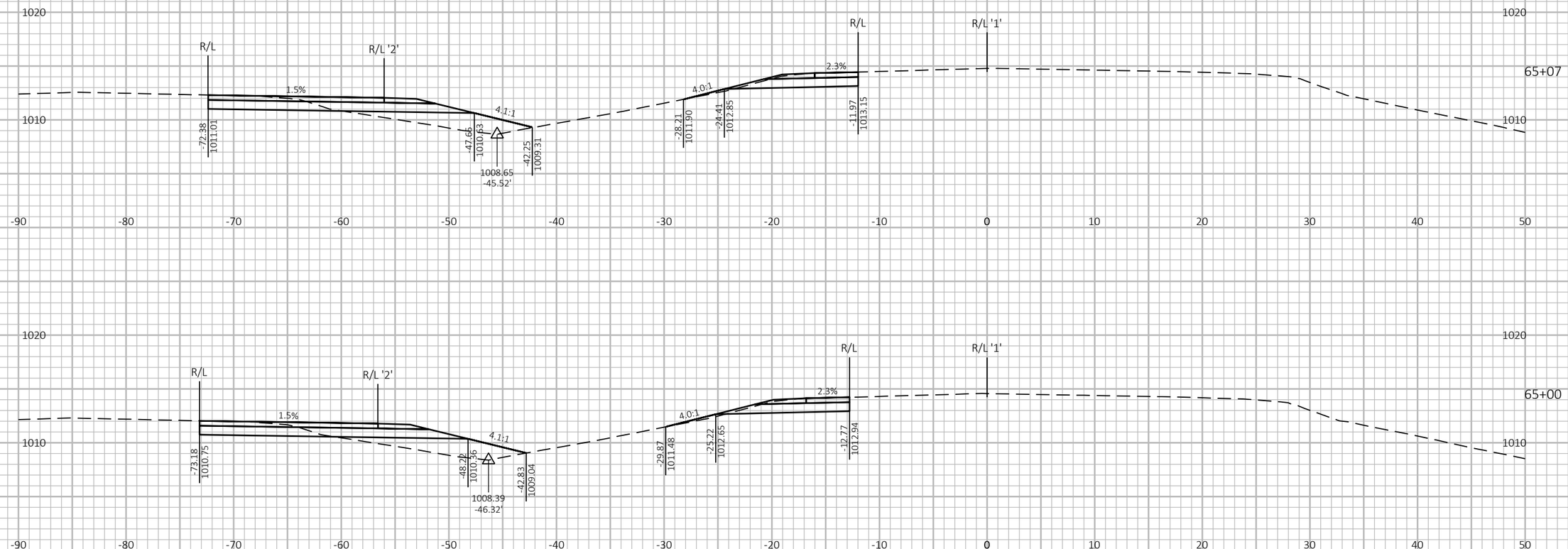
CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 NB/CTH S EXIT CROSSOVER 2 - 'SA2' ALIGNMENT

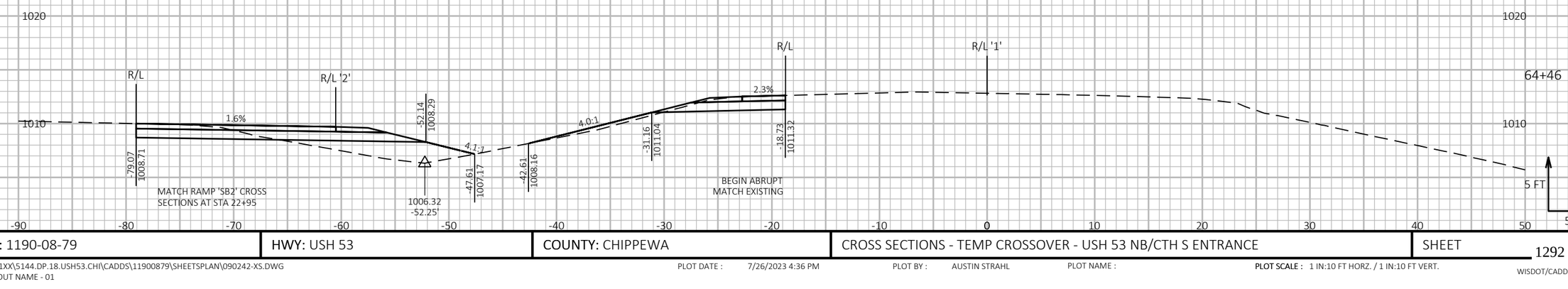


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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH S EXIT	SHEET 1291	E



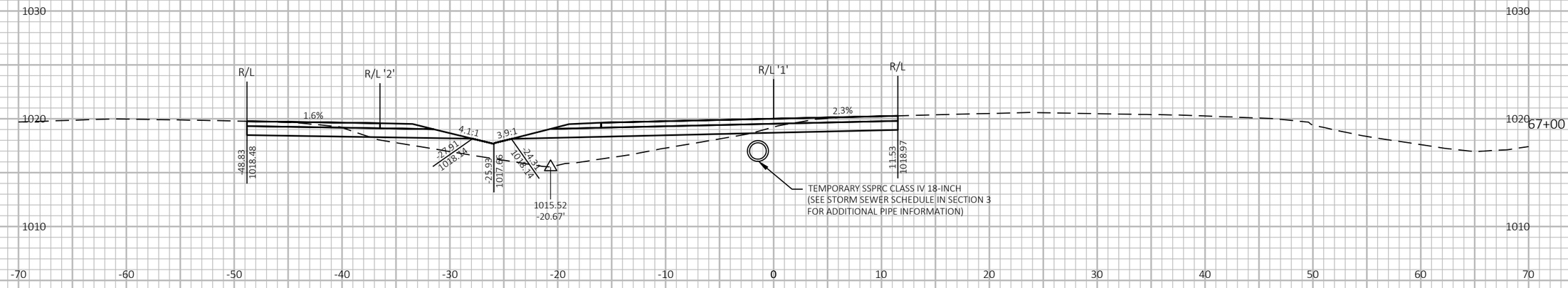


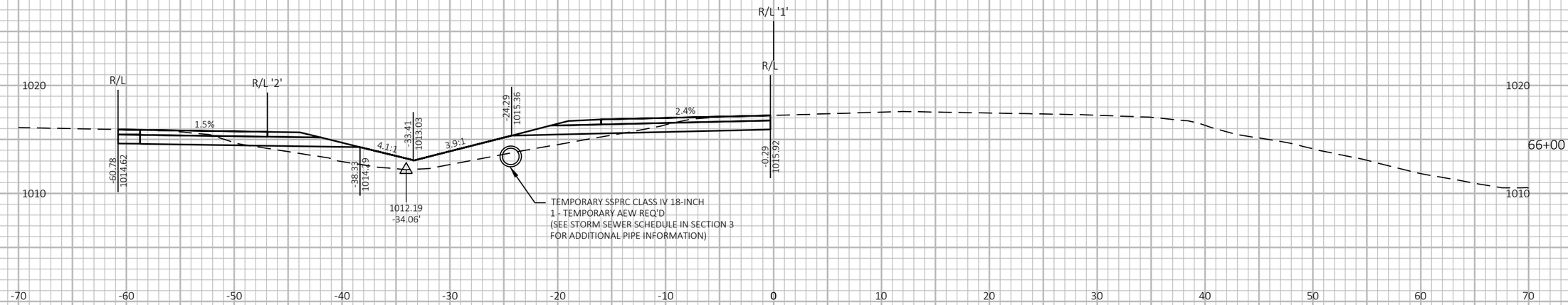
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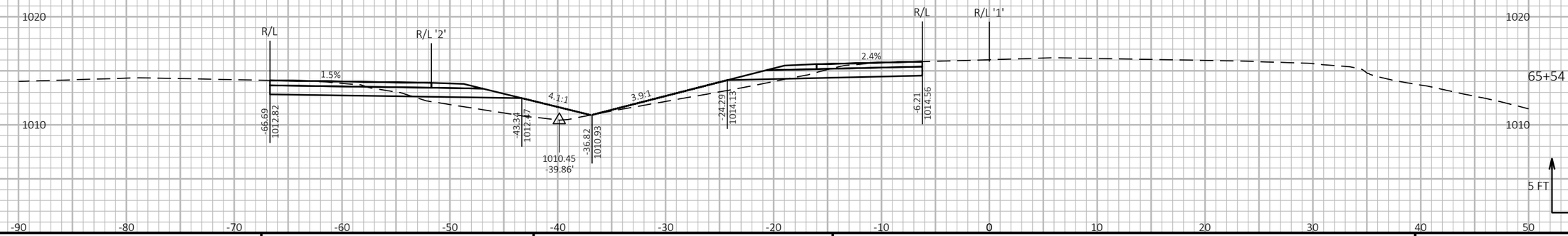
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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH S ENTRANCE	SHEET 1292	E

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LAYOUT NAME - 01
PLOT DATE : 7/26/2023 4:36 PM
PLOT BY : AUSTIN STRAHL
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH S ENTRANCE	SHEET 1293	E

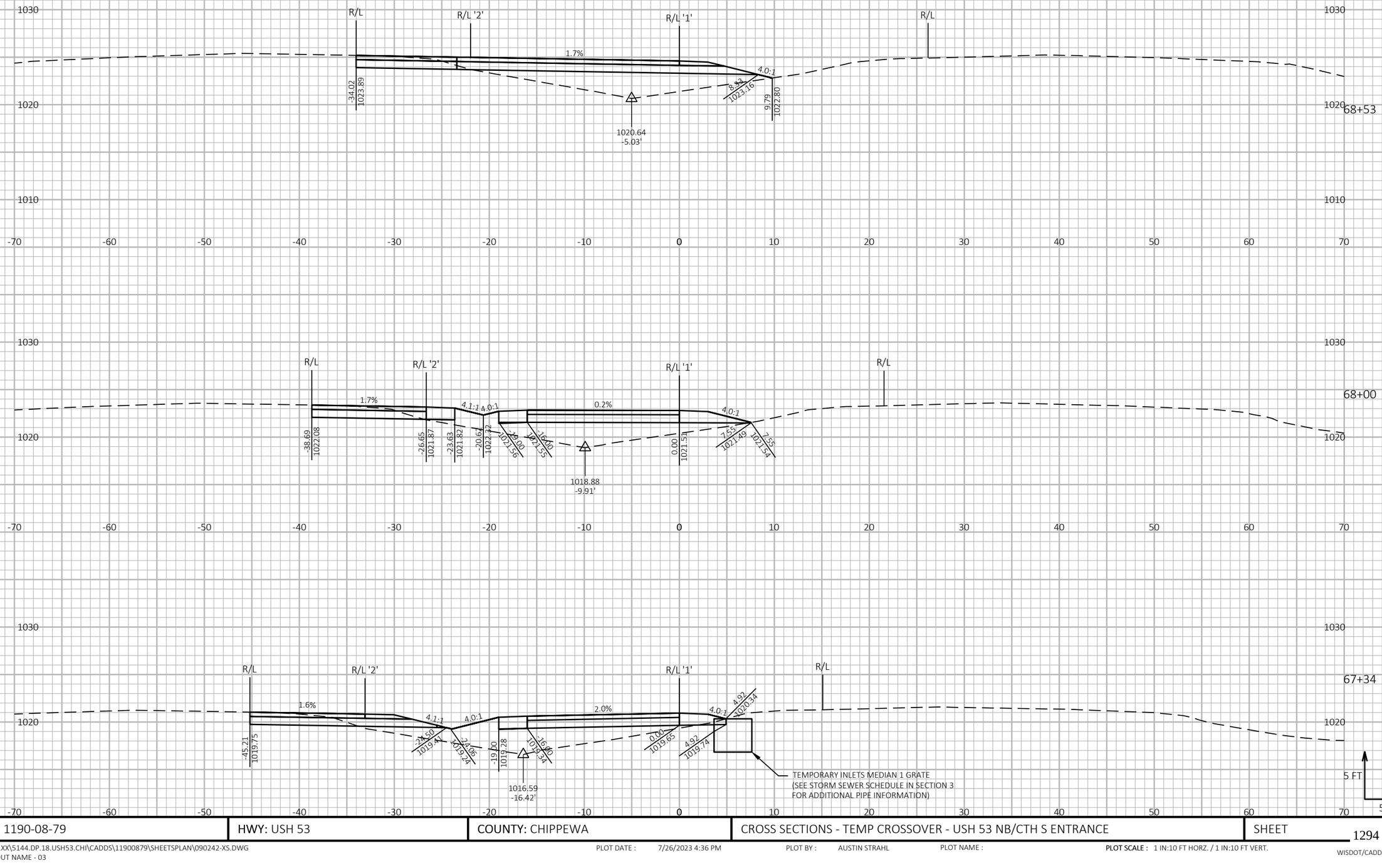
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LAYOUT NAME - 02

PLOT DATE : 7/26/2023 4:36 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH S ENTRANCE	SHEET 1294	E

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LAYOUT NAME - 03

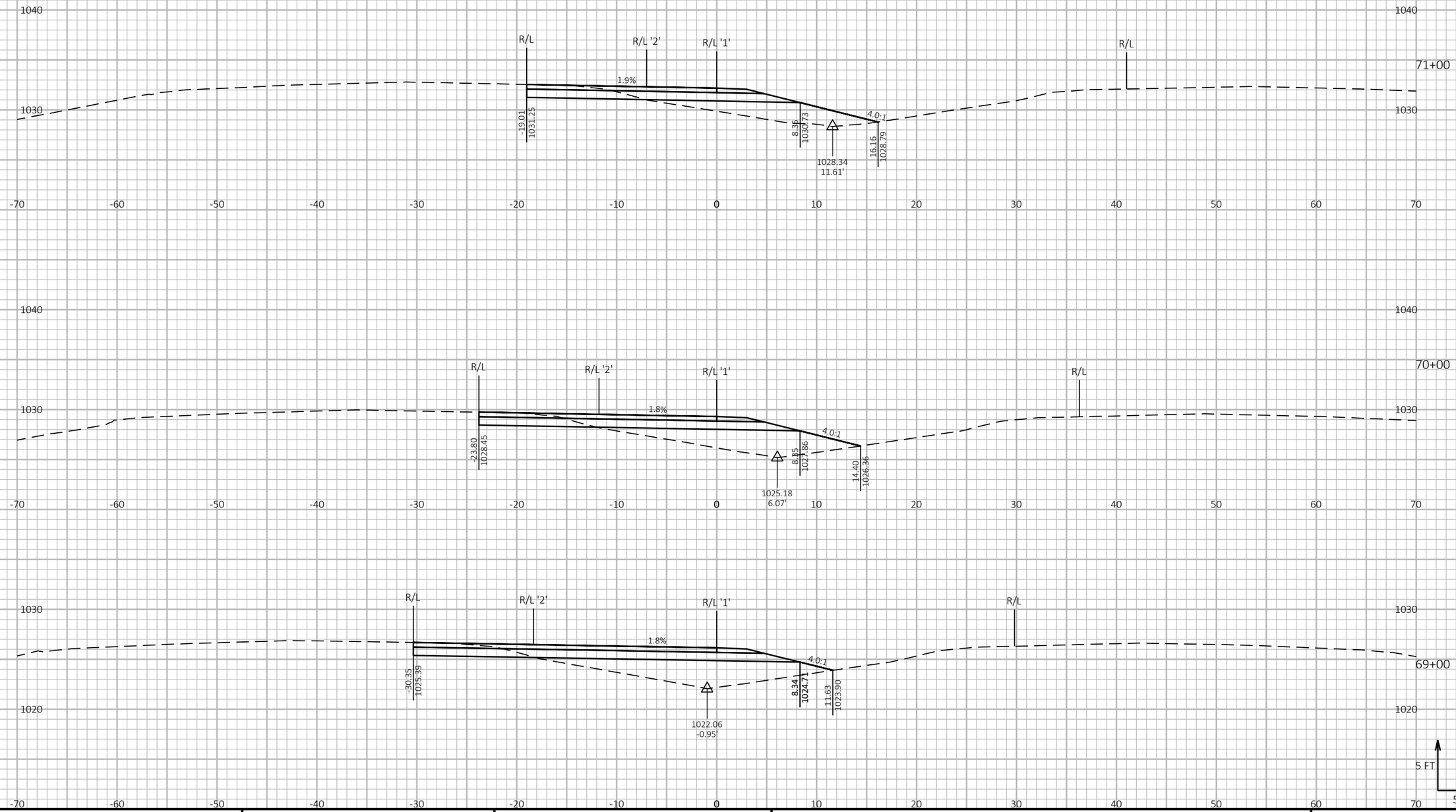
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PLOT BY : AUSTIN STRAHL

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

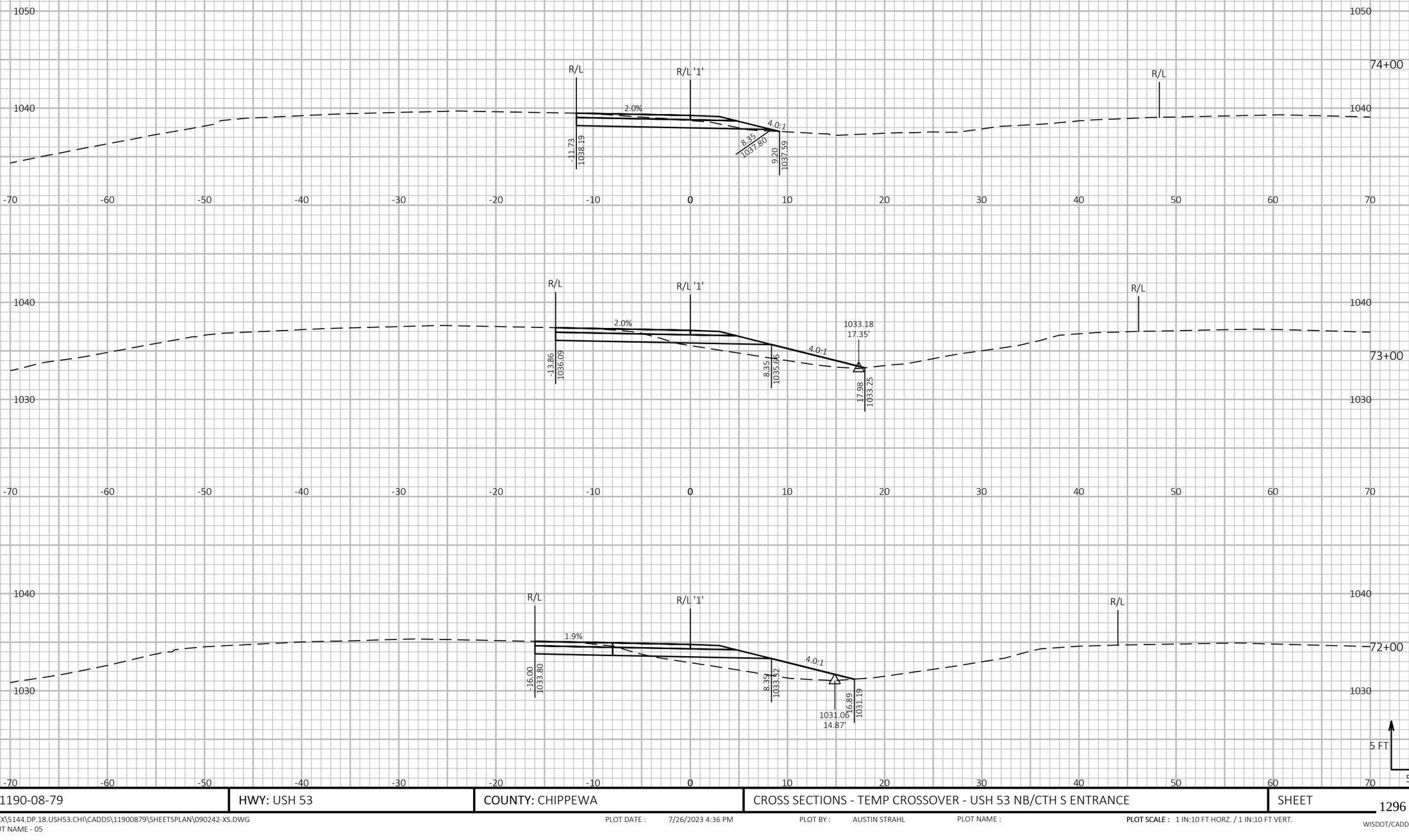
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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH S ENTRANCE	SHEET 1295	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090242-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 7/26/2023 4:36 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



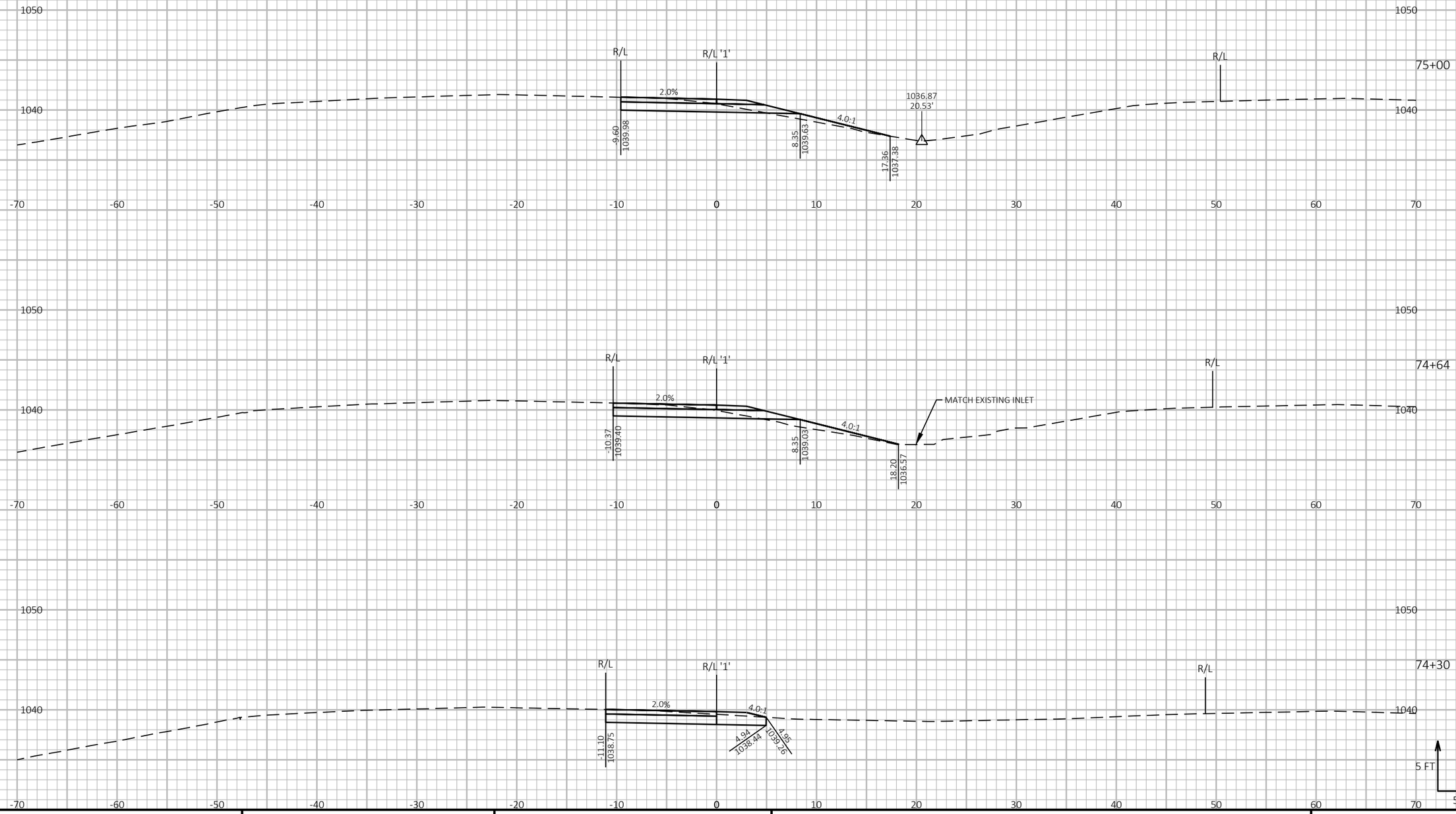
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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH S ENTRANCE	SHEET 1296	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090242-XS.DWG
LAYOUT NAME - 05

PLOT DATE : 7/26/2023 4:36 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

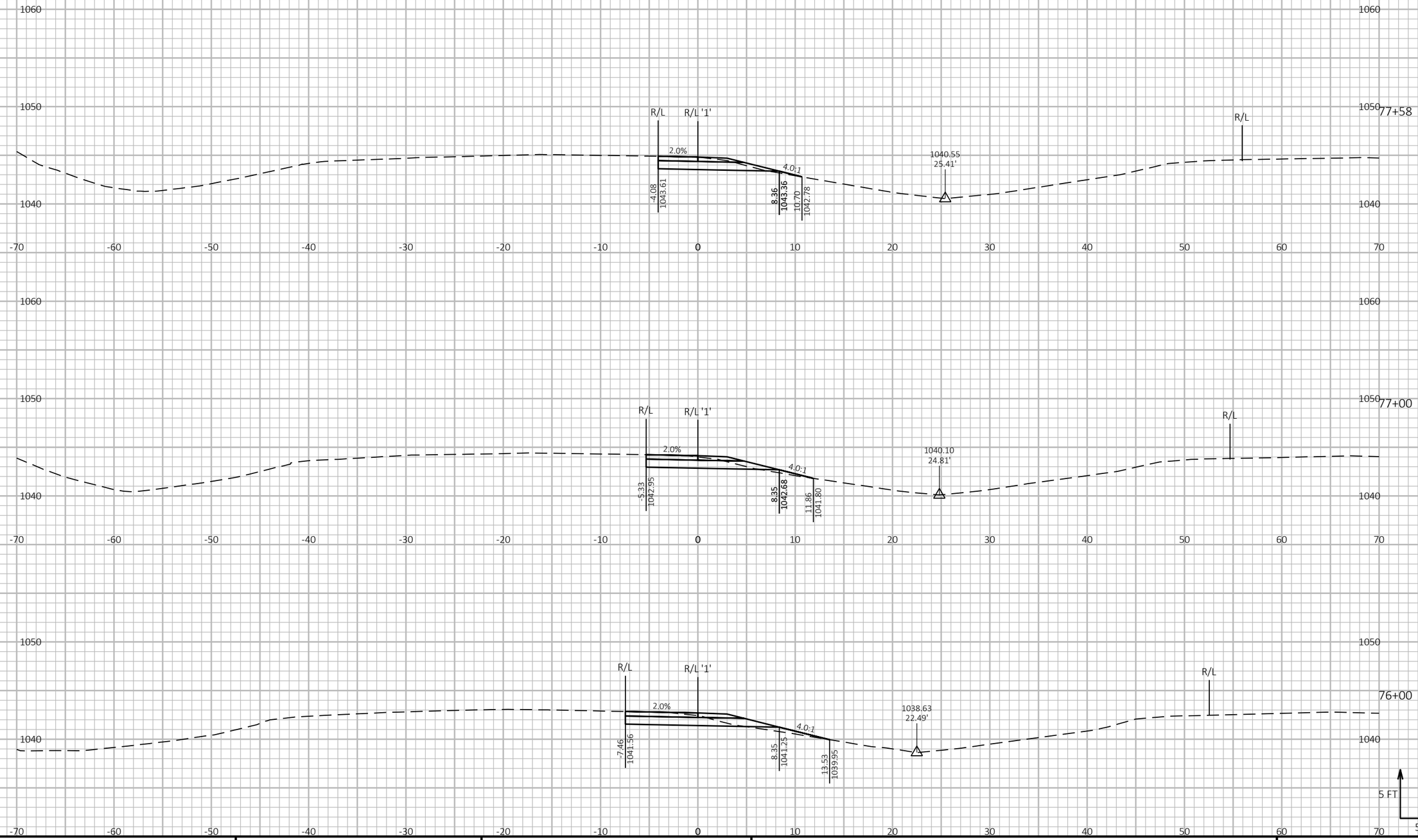
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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH S ENTRANCE	SHEET 1297	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090242-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/26/2023 4:36 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

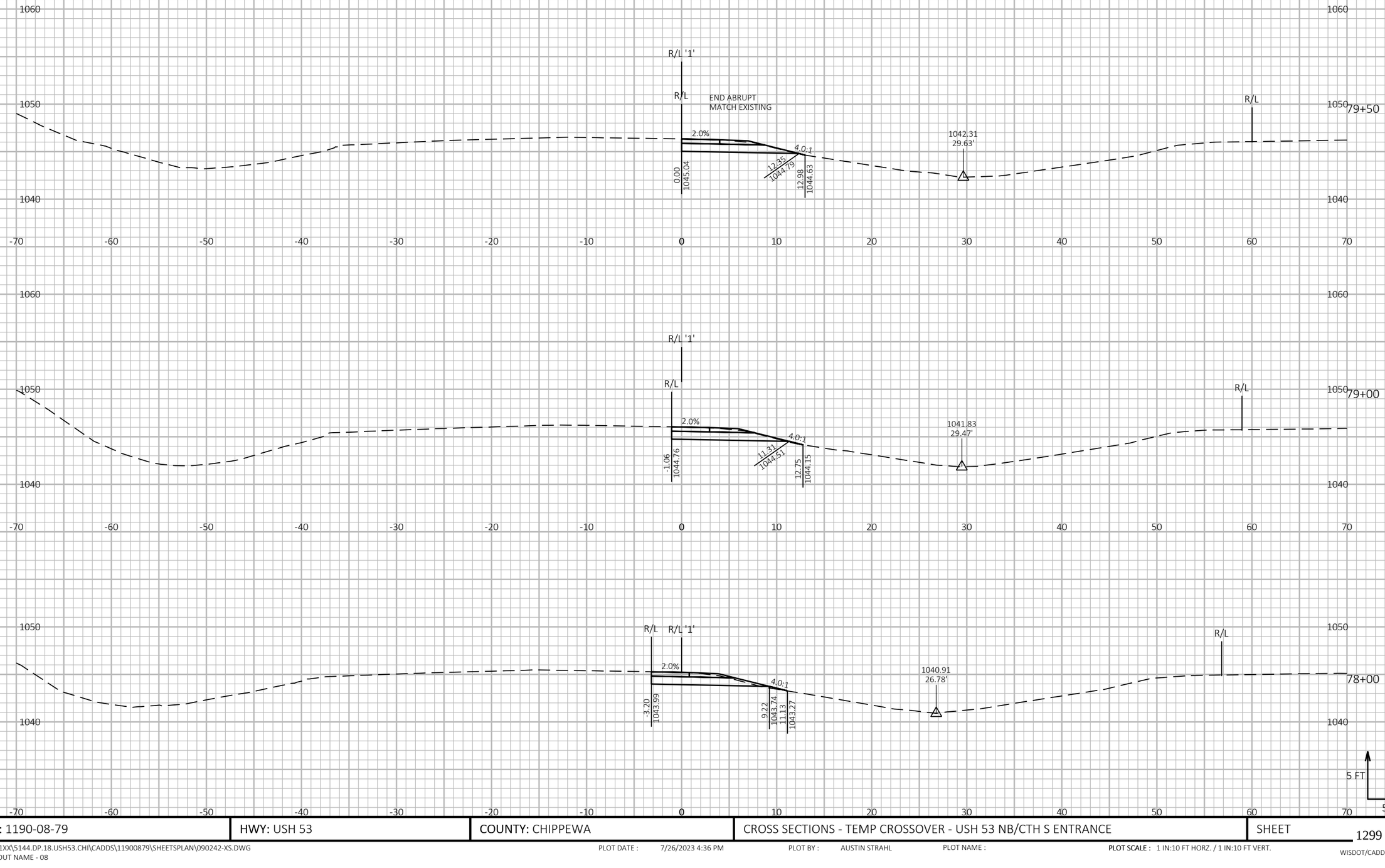
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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH S ENTRANCE	SHEET 1298	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090242-XS.DWG
LAYOUT NAME - 07

PLOT DATE : 7/26/2023 4:36 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

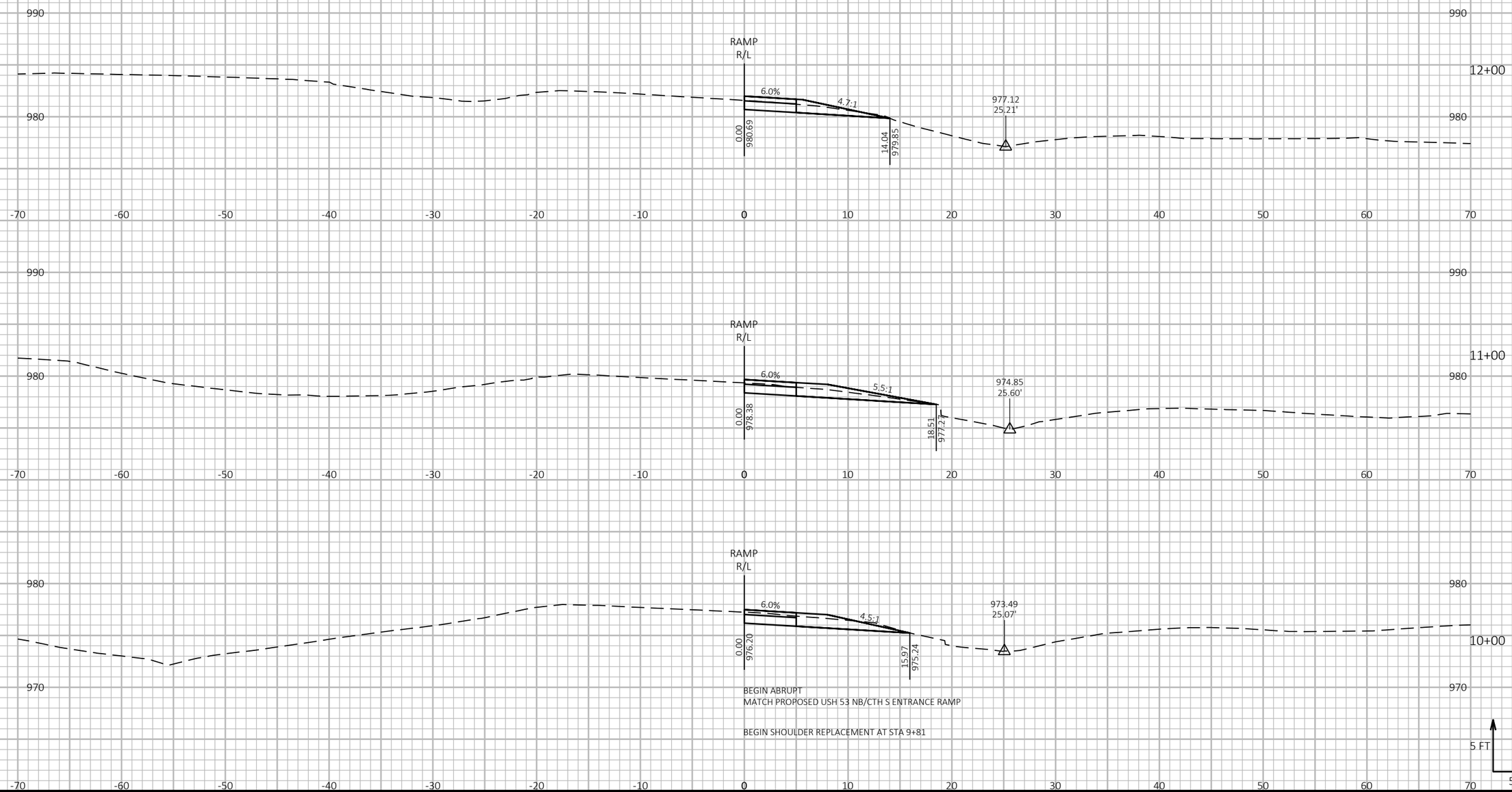
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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH S ENTRANCE	SHEET 1299	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090242-XS.DWG
LAYOUT NAME - 08

PLOT DATE : 7/26/2023 4:36 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

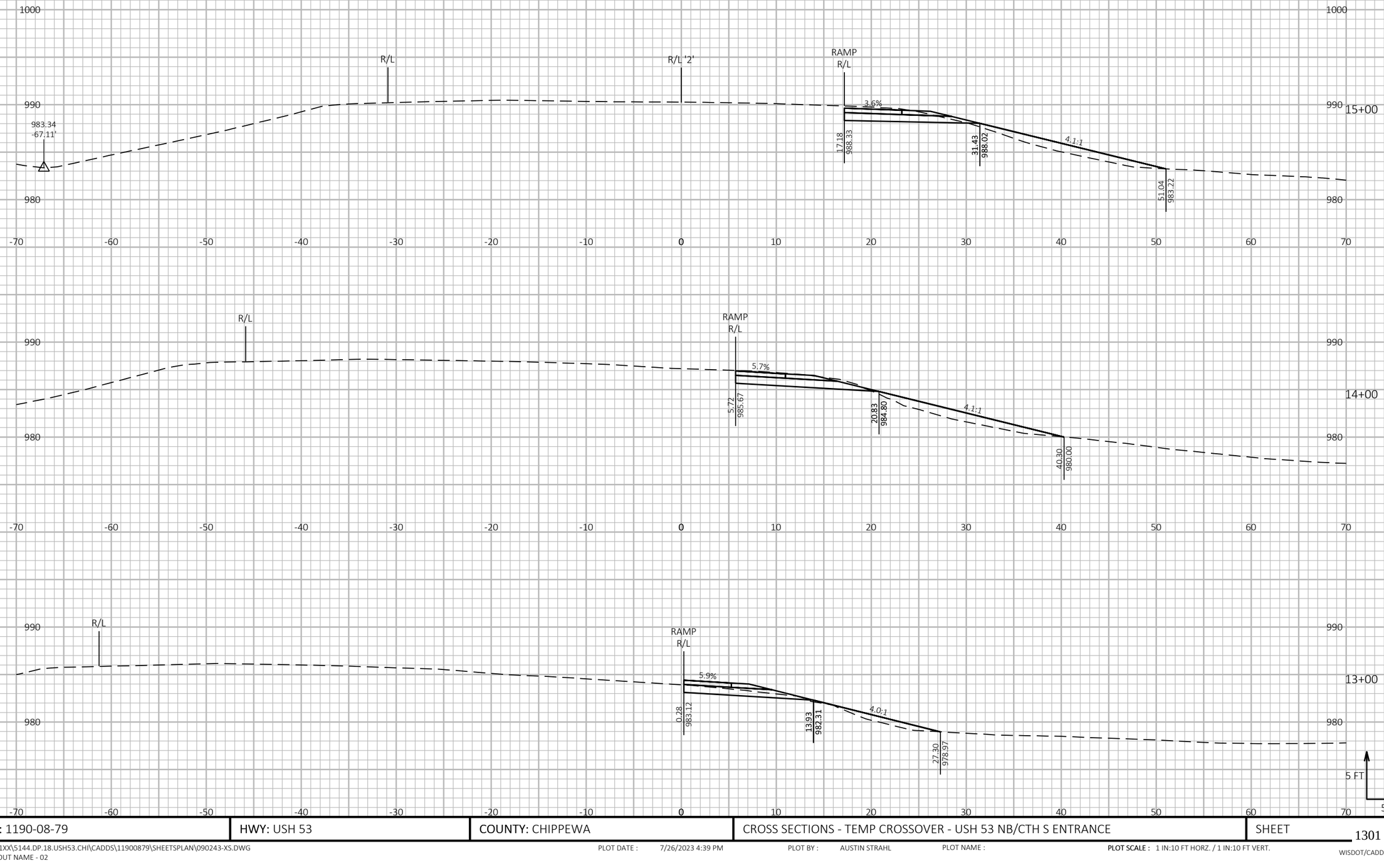


PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH S ENTRANCE	SHEET 1300 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090243-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 4:39 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

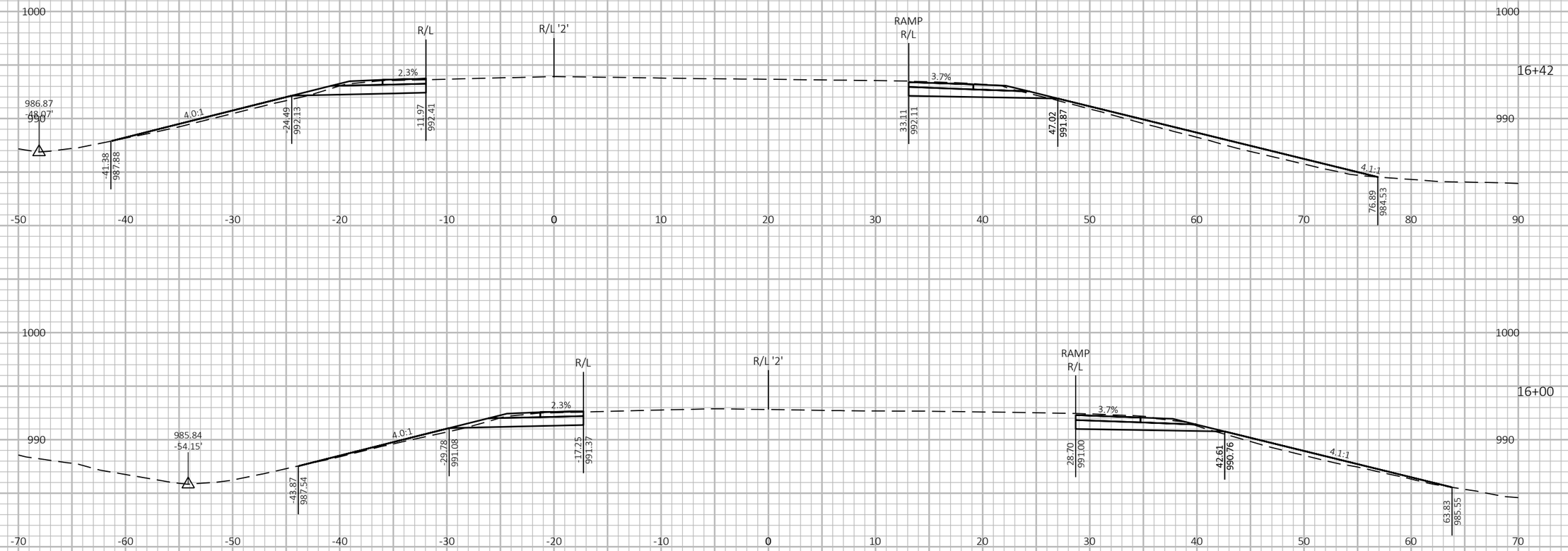
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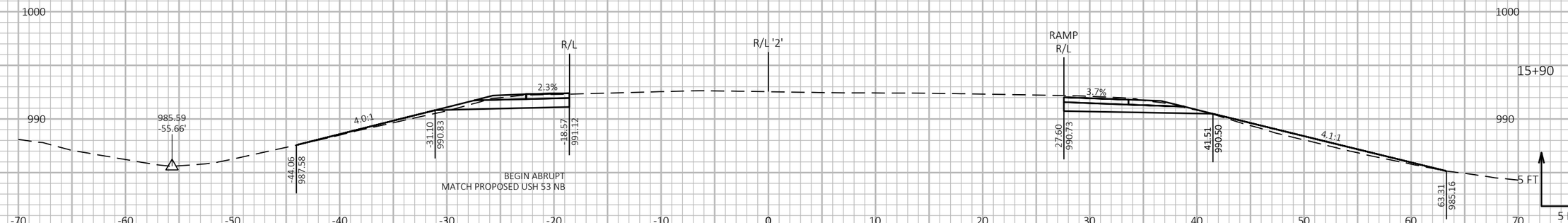
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH S ENTRANCE	SHEET 1301	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090243-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/26/2023 4:39 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

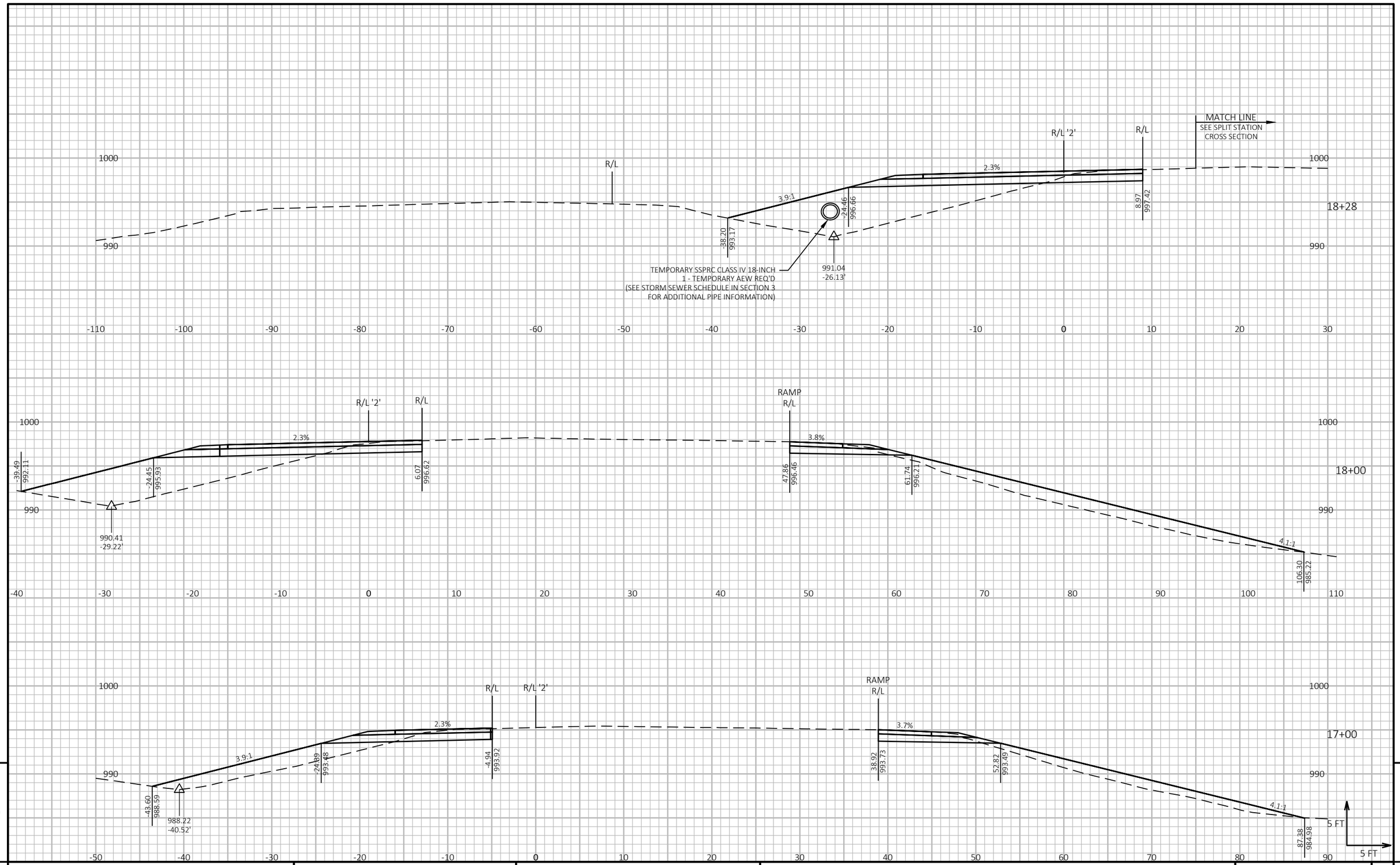
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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH S ENTRANCE	SHEET 1302	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090243-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/26/2023 4:39 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH S ENTRANCE	SHEET 1303	E

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LAYOUT NAME - 04

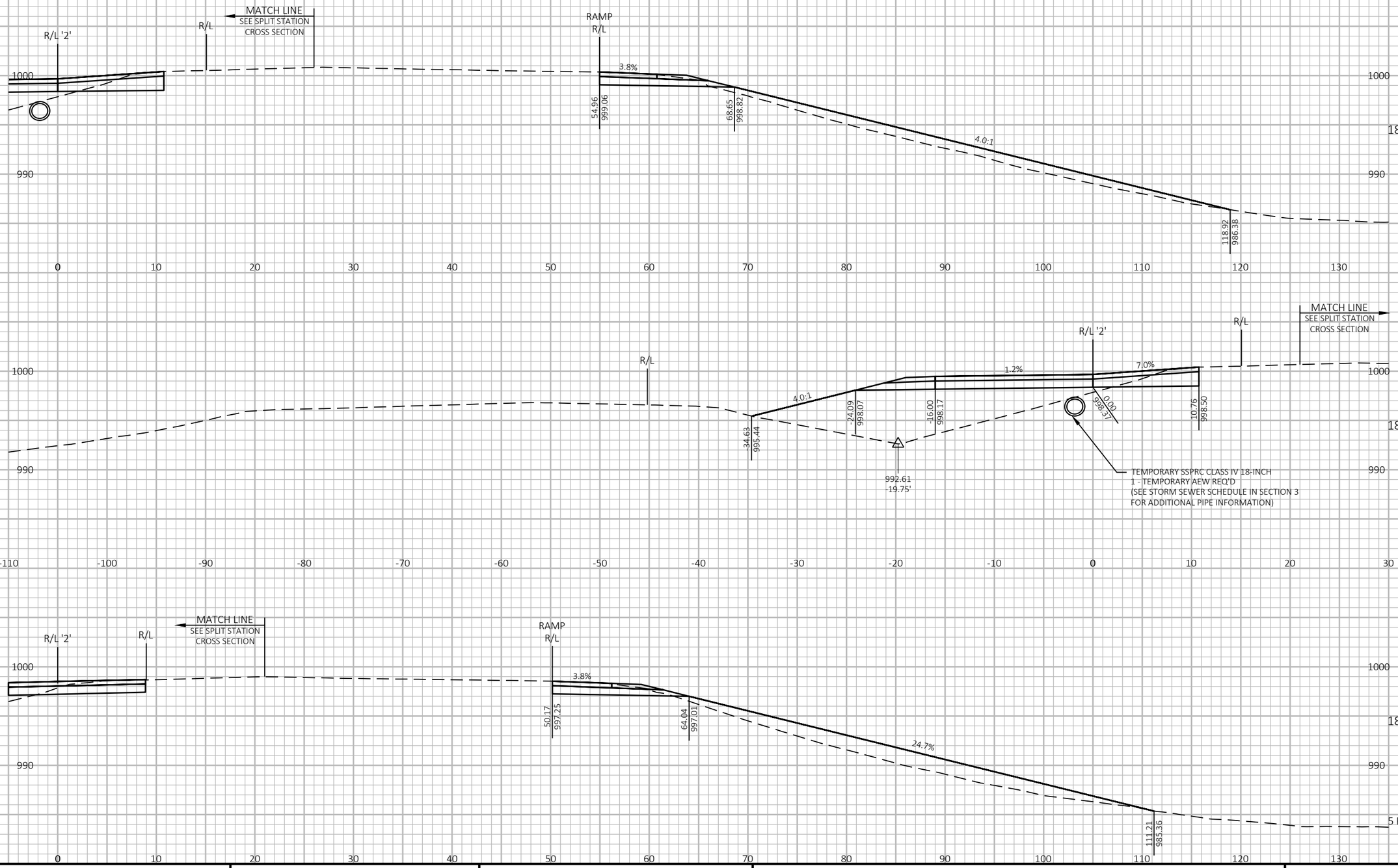
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PLOT BY : AUSTIN STRAHL

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: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH S ENTRANCE	SHEET 1304	E

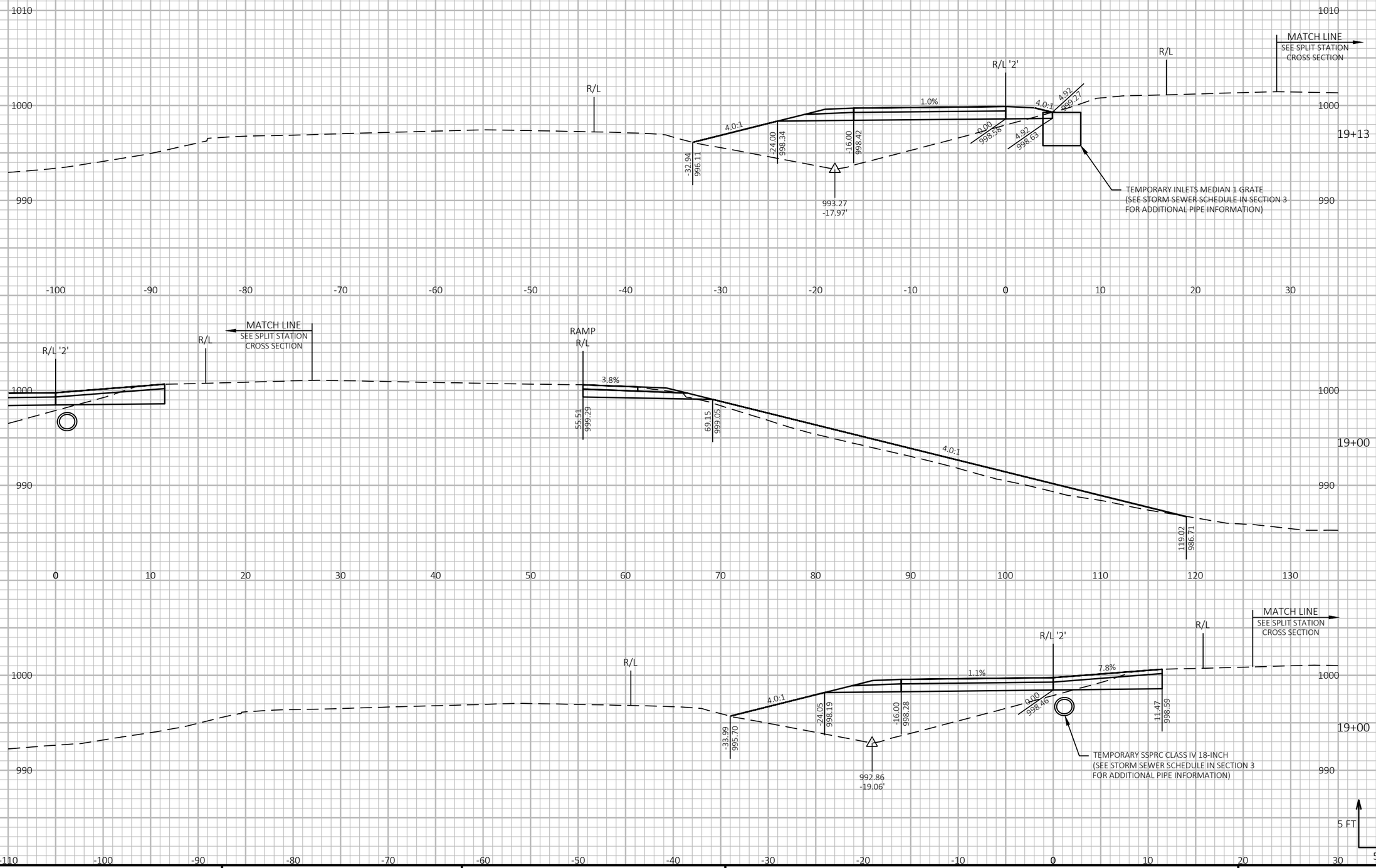
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LAYOUT NAME - 05

PLOT DATE : 7/26/2023 4:39 PM

PLOT BY : AUSTIN STRAHL

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

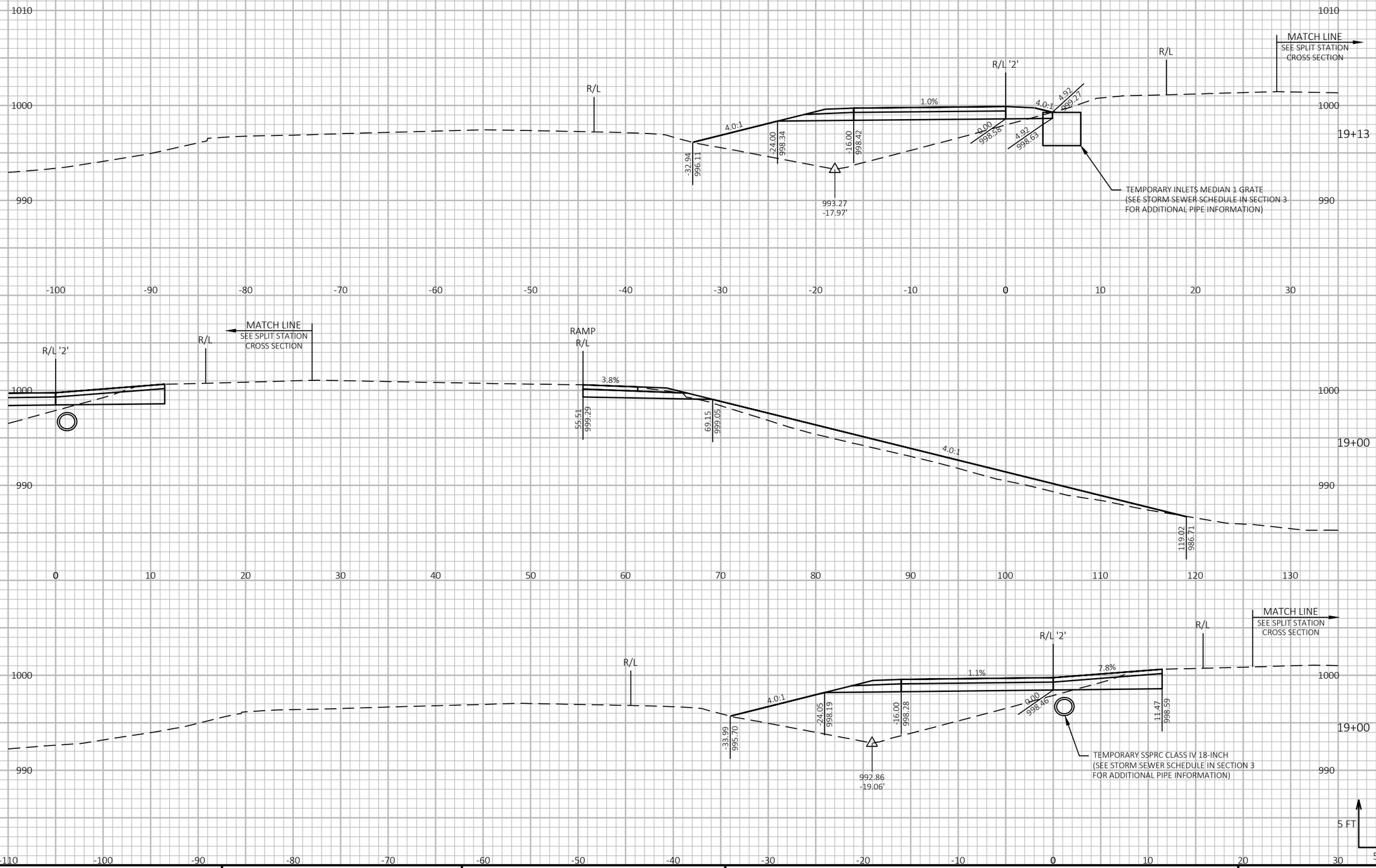


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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH S ENTRANCE	SHEET 1305 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090243-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/26/2023 4:39 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

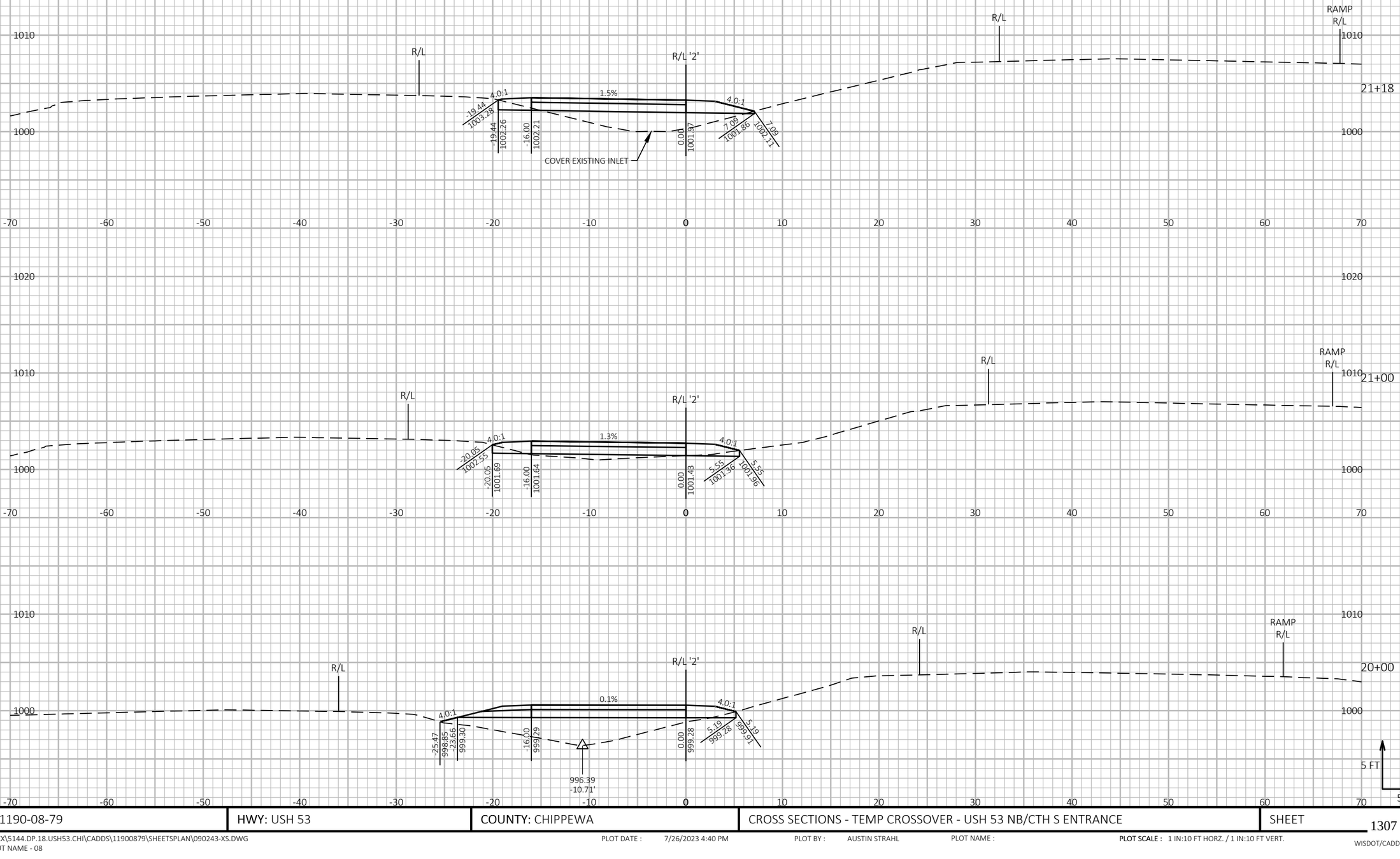


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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH S ENTRANCE	SHEET 1306	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090243-XS.DWG
LAYOUT NAME - 07

PLOT DATE : 7/26/2023 4:39 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9	PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH S ENTRANCE	SHEET 1307 E

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FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090243-XS.DWG
LAYOUT NAME - 08

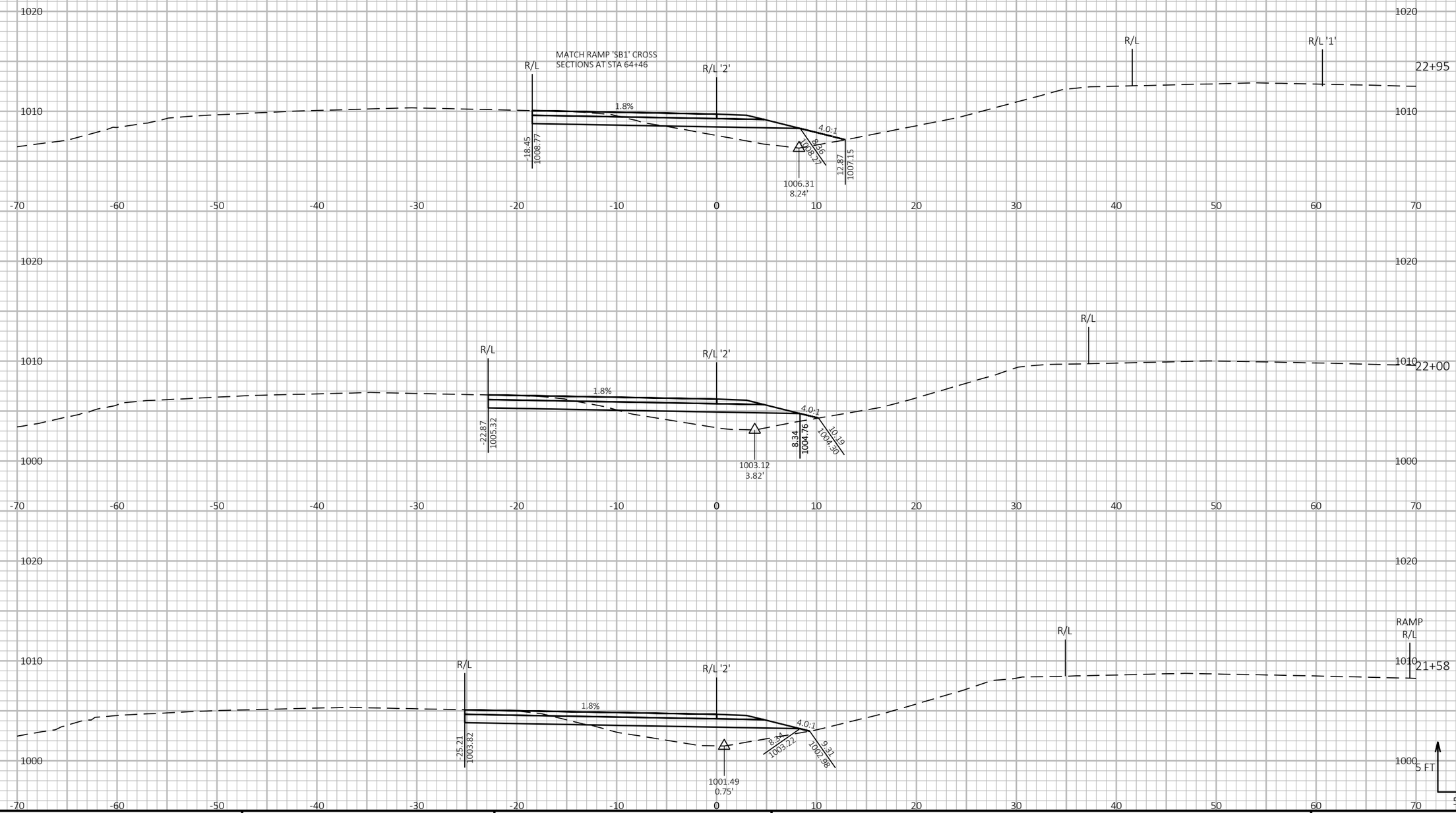
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PLOT BY : AUSTIN STRAHL

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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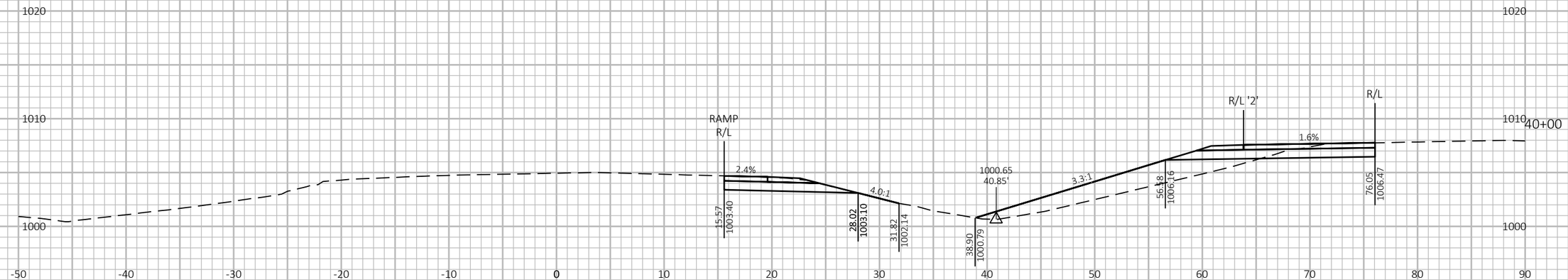
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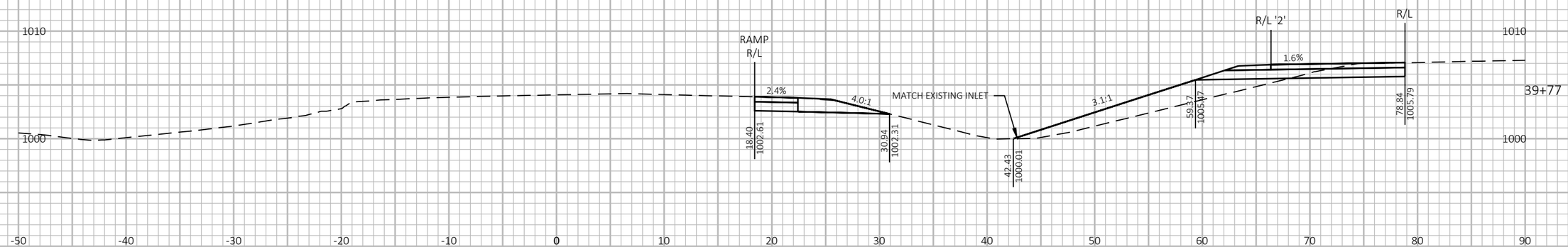
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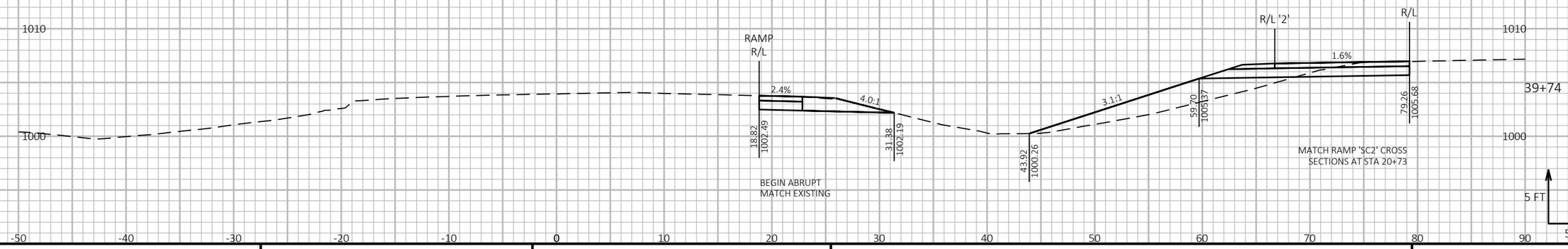
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LAYOUT NAME - 09

PLOT DATE : 7/26/2023 4:40 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG SOUTH TEMPORARY USH 53 SB/CTH S EXIT CROSSOVER 1 - 'SC1' ALIGNMENT







9

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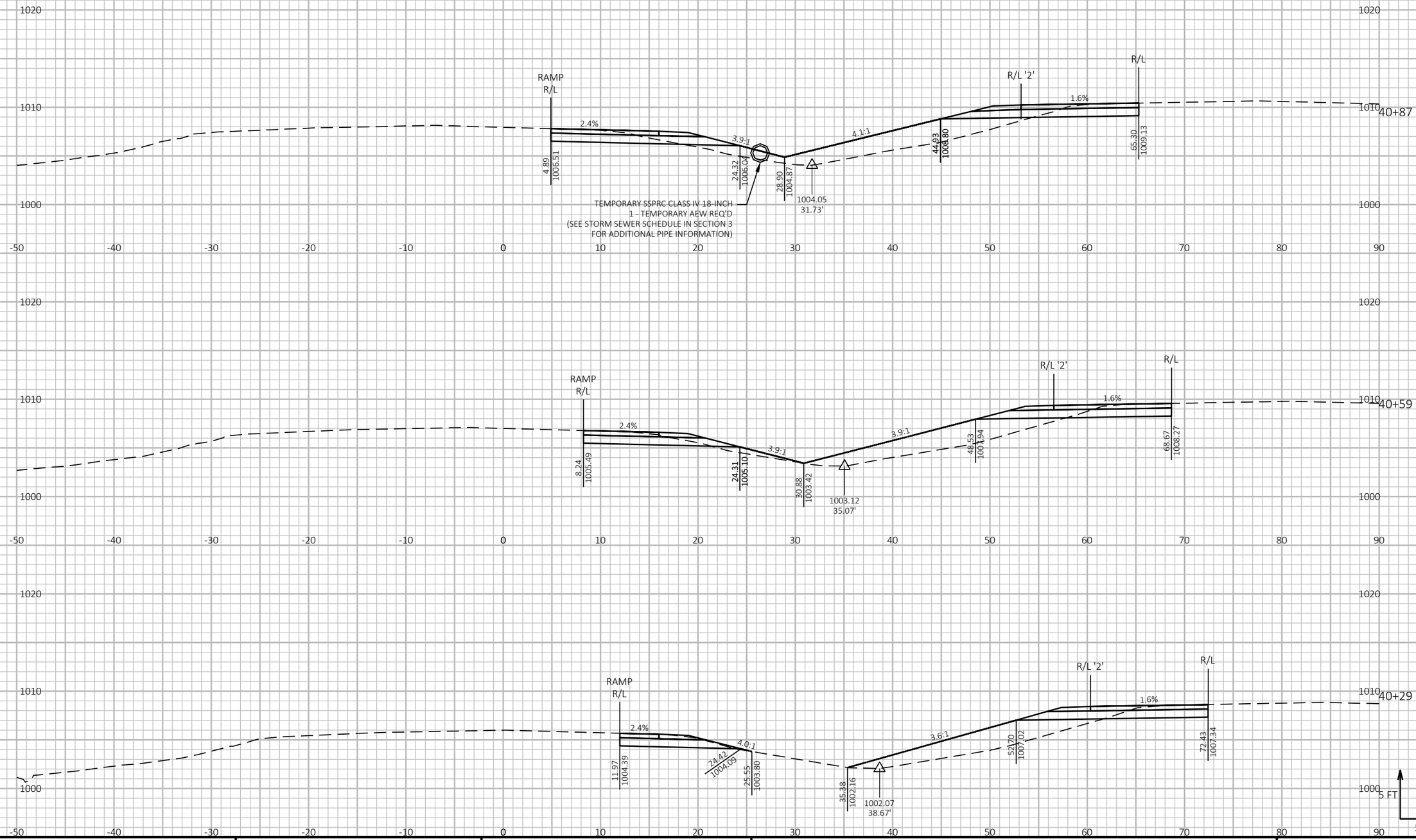
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FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090244-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 4:45 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

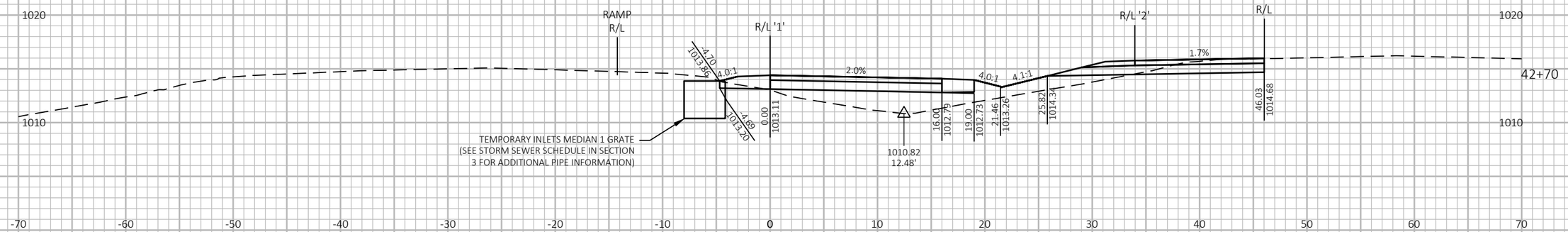
CROSS SECTIONS SHOWN ALONG SOUTH TEMPORARY USH 53 SB/CTH S EXIT CROSSOVER 1 - 'SC1' ALIGNMENT

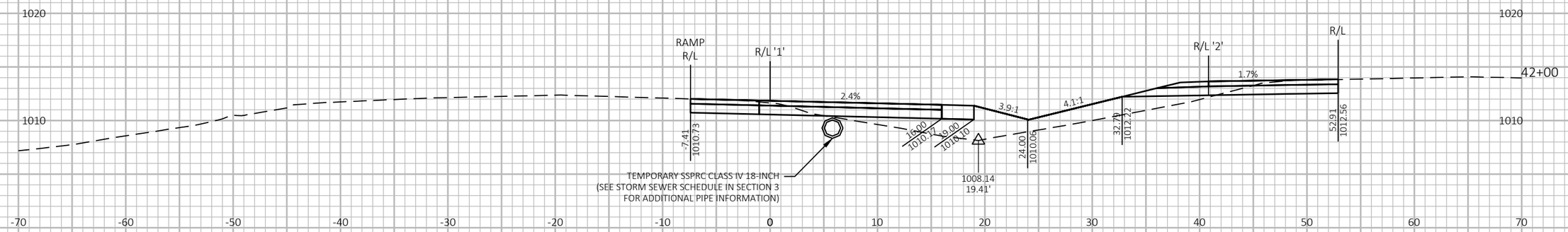


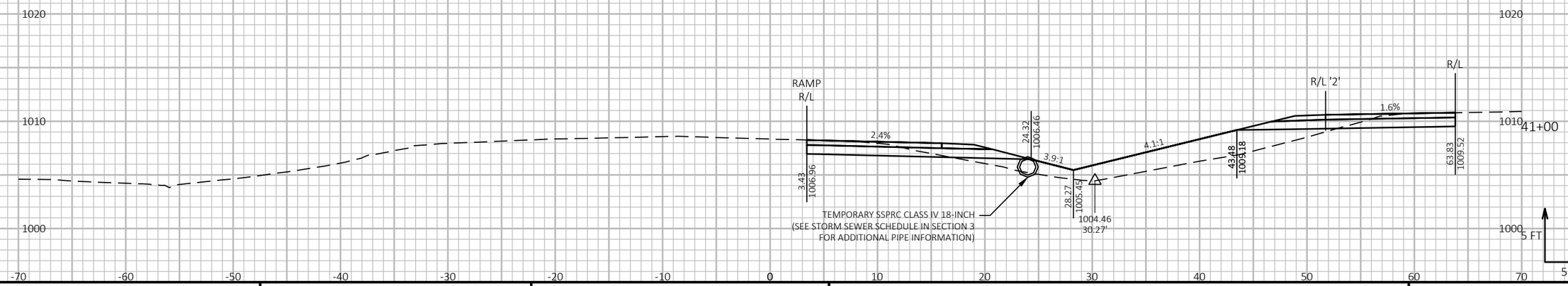
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB/CTH S EXIT	SHEET 1310	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090244-XS.DWG
LAYOUT NAME - 02
PLOT DATE : 7/26/2023 4:46 PM
PLOT BY : AUSTIN STRAHL
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG SOUTH TEMPORARY USH 53 SB/CTH S EXIT CROSSOVER 1 - 'SC1' ALIGNMENT







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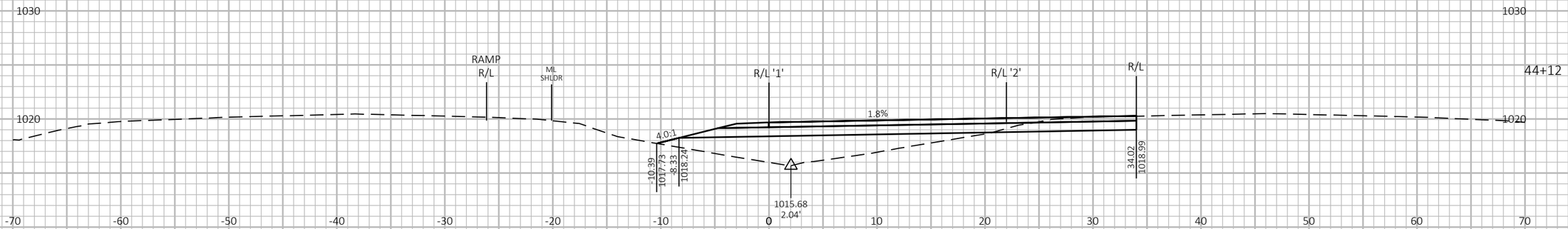
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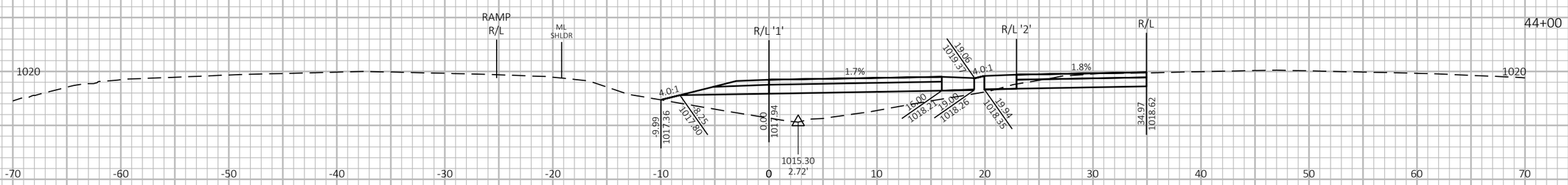
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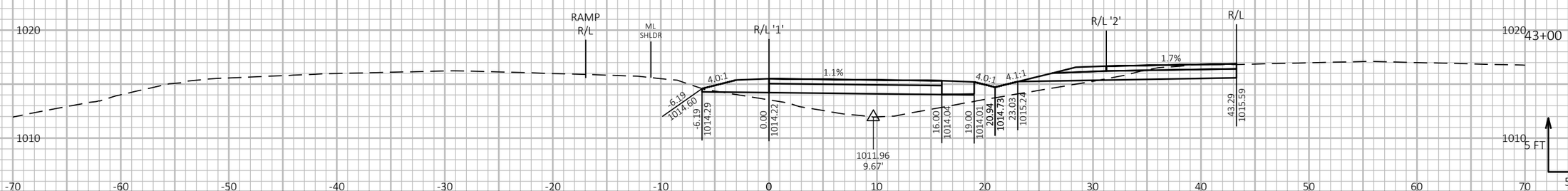
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090244-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/26/2023 4:46 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG SOUTH TEMPORARY
USH 53 SB/CTH S EXIT CROSSOVER 1 - 'SC1' ALIGNMENT







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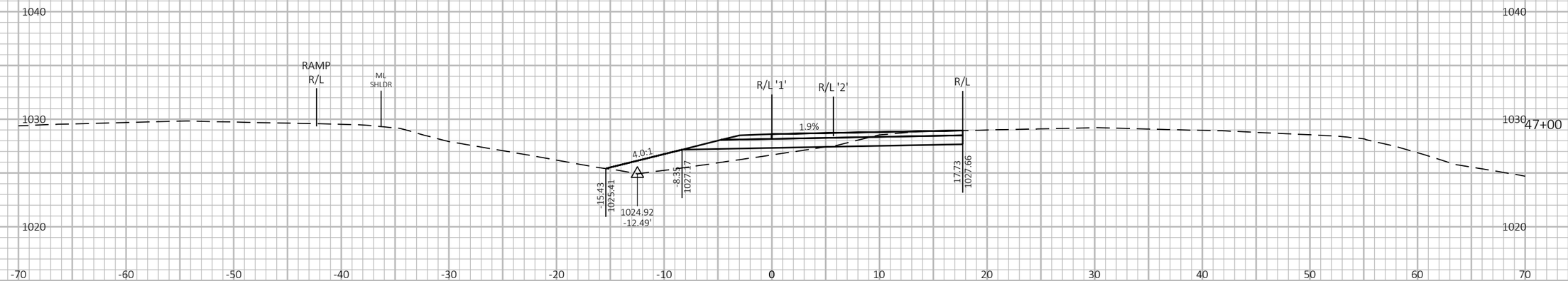
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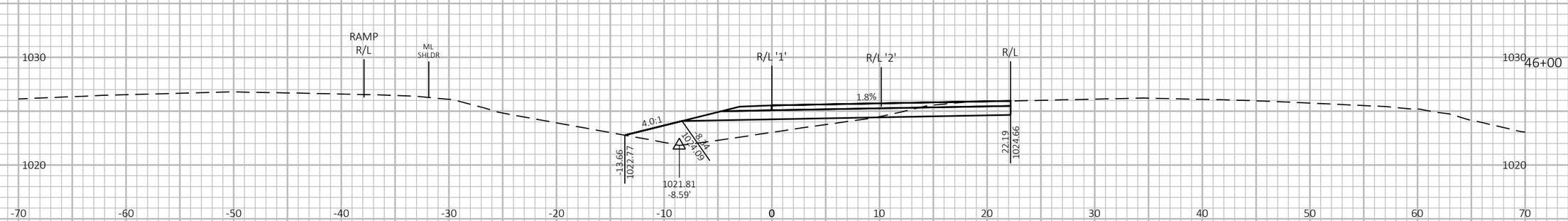
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LAYOUT NAME - 04

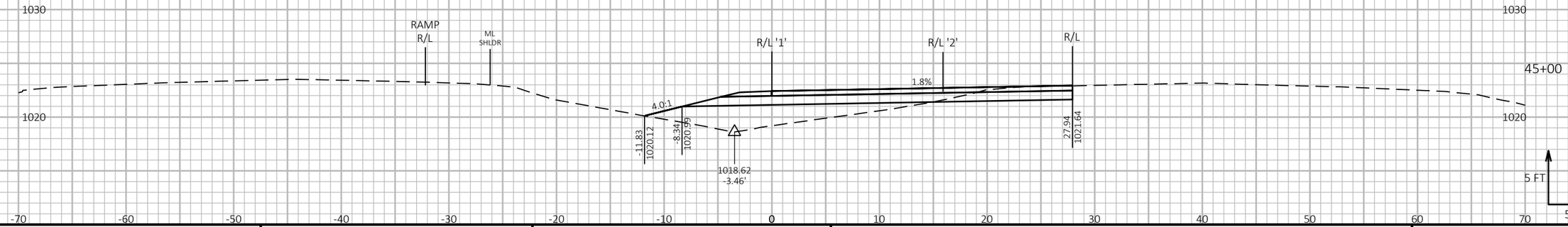
PLOT DATE : 7/26/2023 4:46 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG SOUTH TEMPORARY USH 53 SB/CTH S EXIT CROSSOVER 1 - 'SC1' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB/CTH S EXIT	SHEET 1313	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090244-XS.DWG
LAYOUT NAME - 05

PLOT DATE : 7/26/2023 4:46 PM

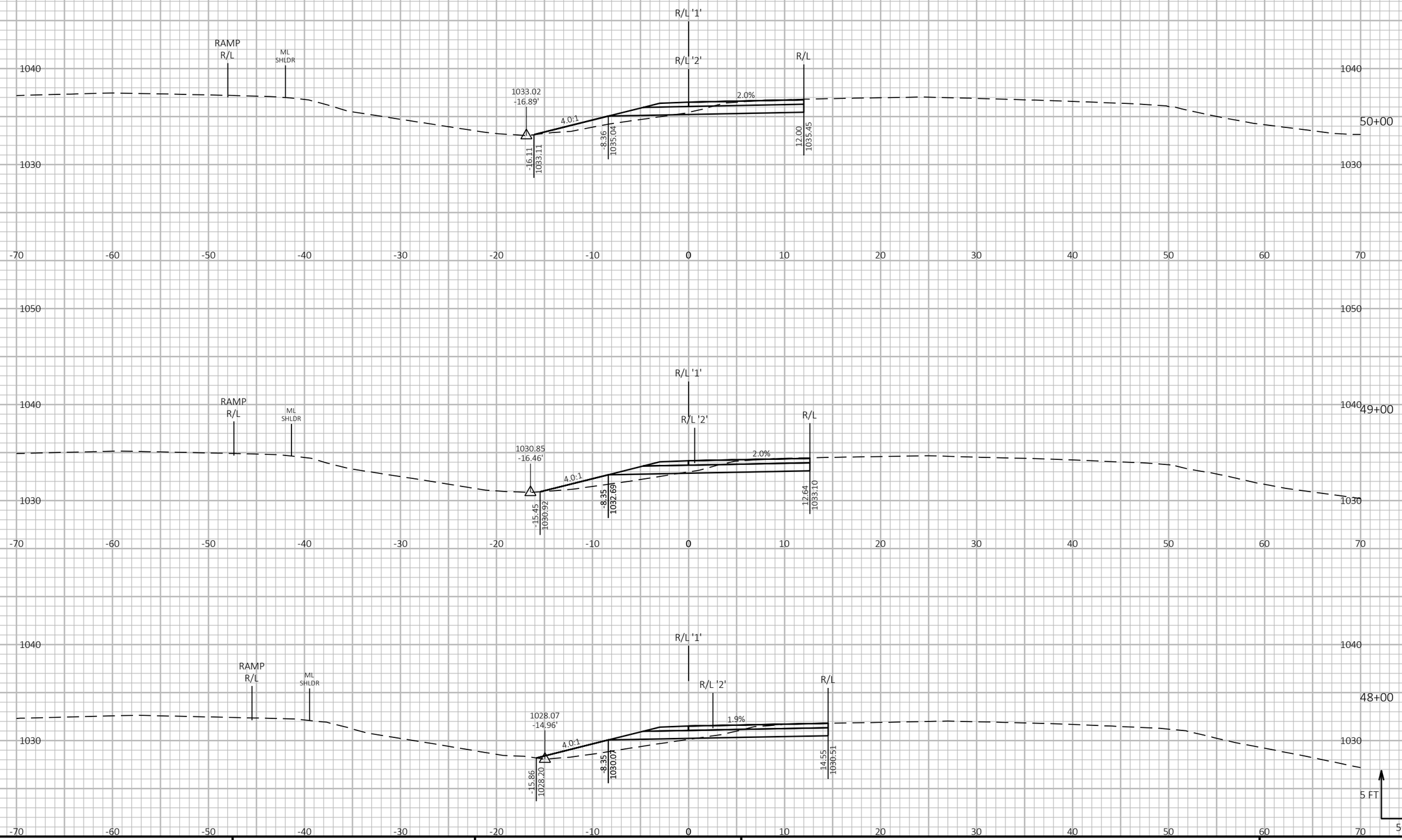
PLOT BY : AUSTIN STRAHL

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG SOUTH TEMPORARY USH 53 SB/CTH S EXIT CROSSOVER 1 - 'SC1' ALIGNMENT



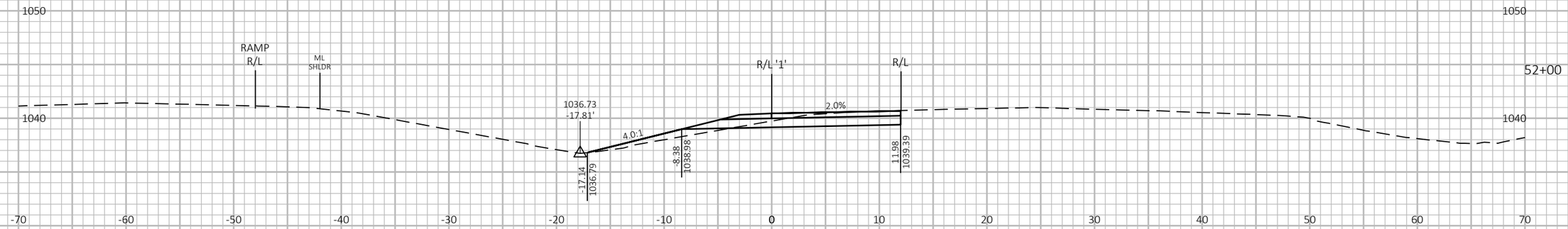
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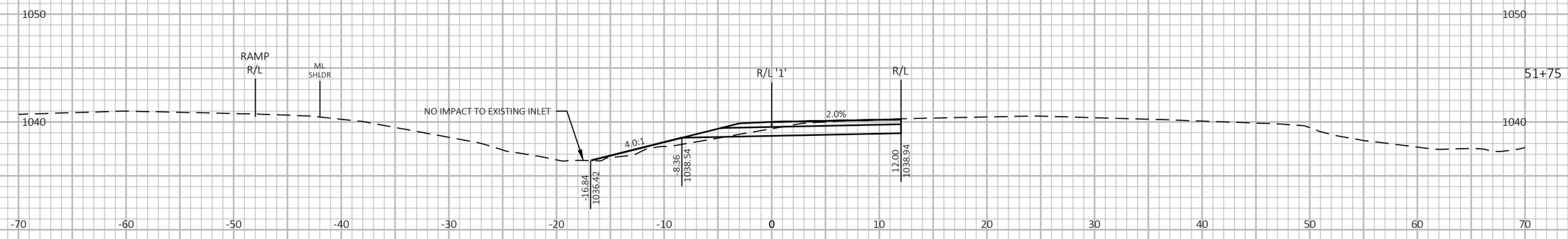
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LAYOUT NAME - 06

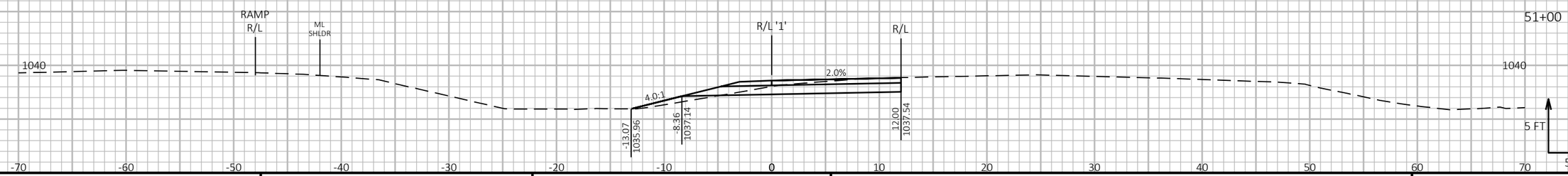
PLOT DATE : 7/26/2023 4:46 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG SOUTH TEMPORARY USH 53 SB/CTH S EXIT CROSSOVER 1 - 'SC1' ALIGNMENT







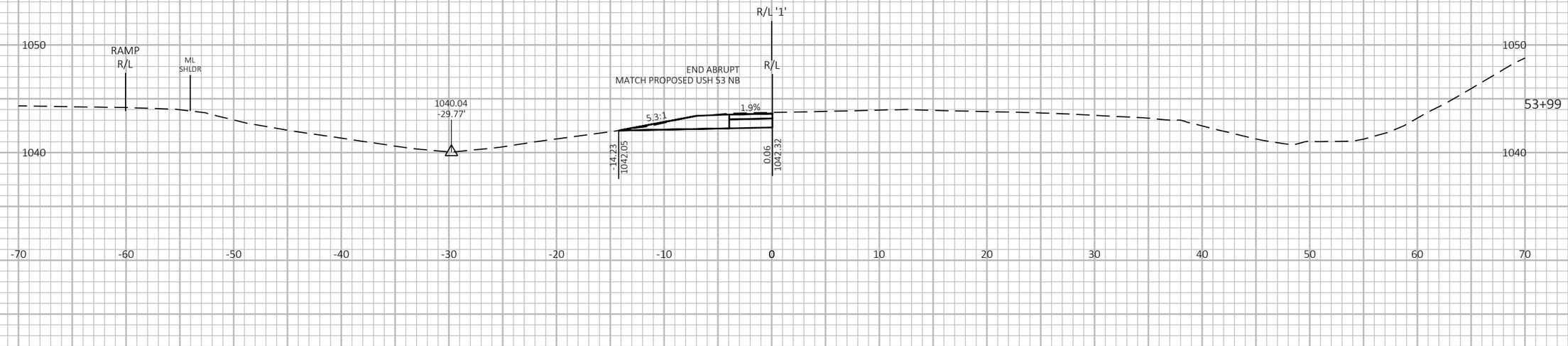
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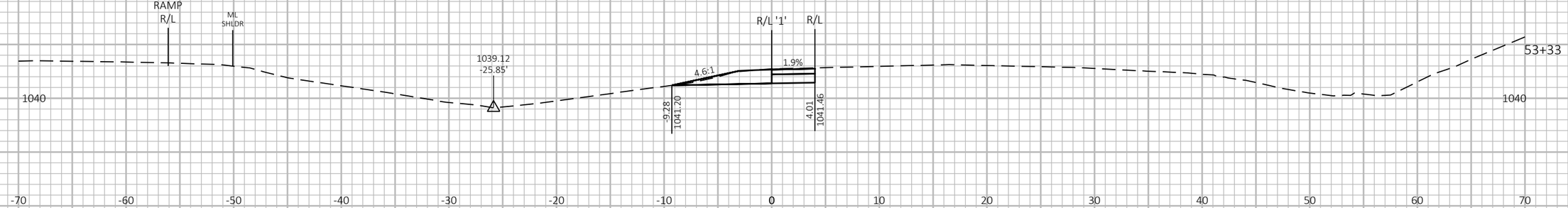
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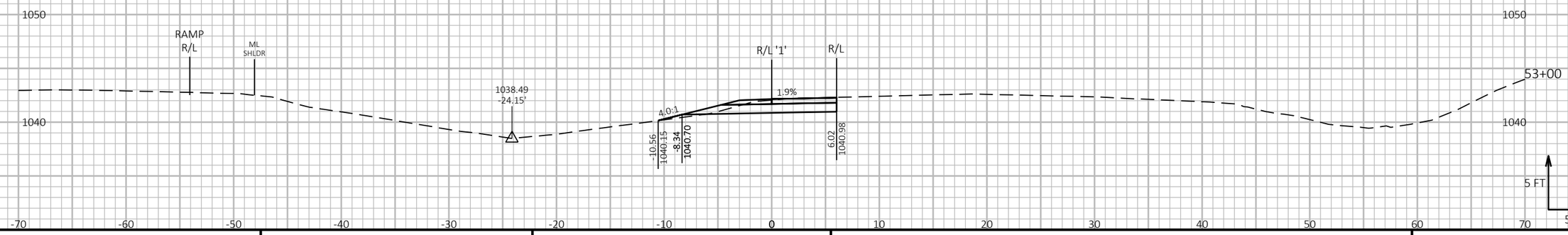
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090244-XS.DWG
LAYOUT NAME - 07

PLOT DATE : 7/26/2023 4:46 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG SOUTH TEMPORARY USH 53 SB/CTH S EXIT CROSSOVER 1 - 'SC1' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB/CTH S EXIT	SHEET 1316	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090244-XS.DWG
LAYOUT NAME - 08

PLOT DATE : 7/26/2023 4:46 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 SB/CTH S EXIT CROSSOVER 2 - 'SC2' ALIGNMENT



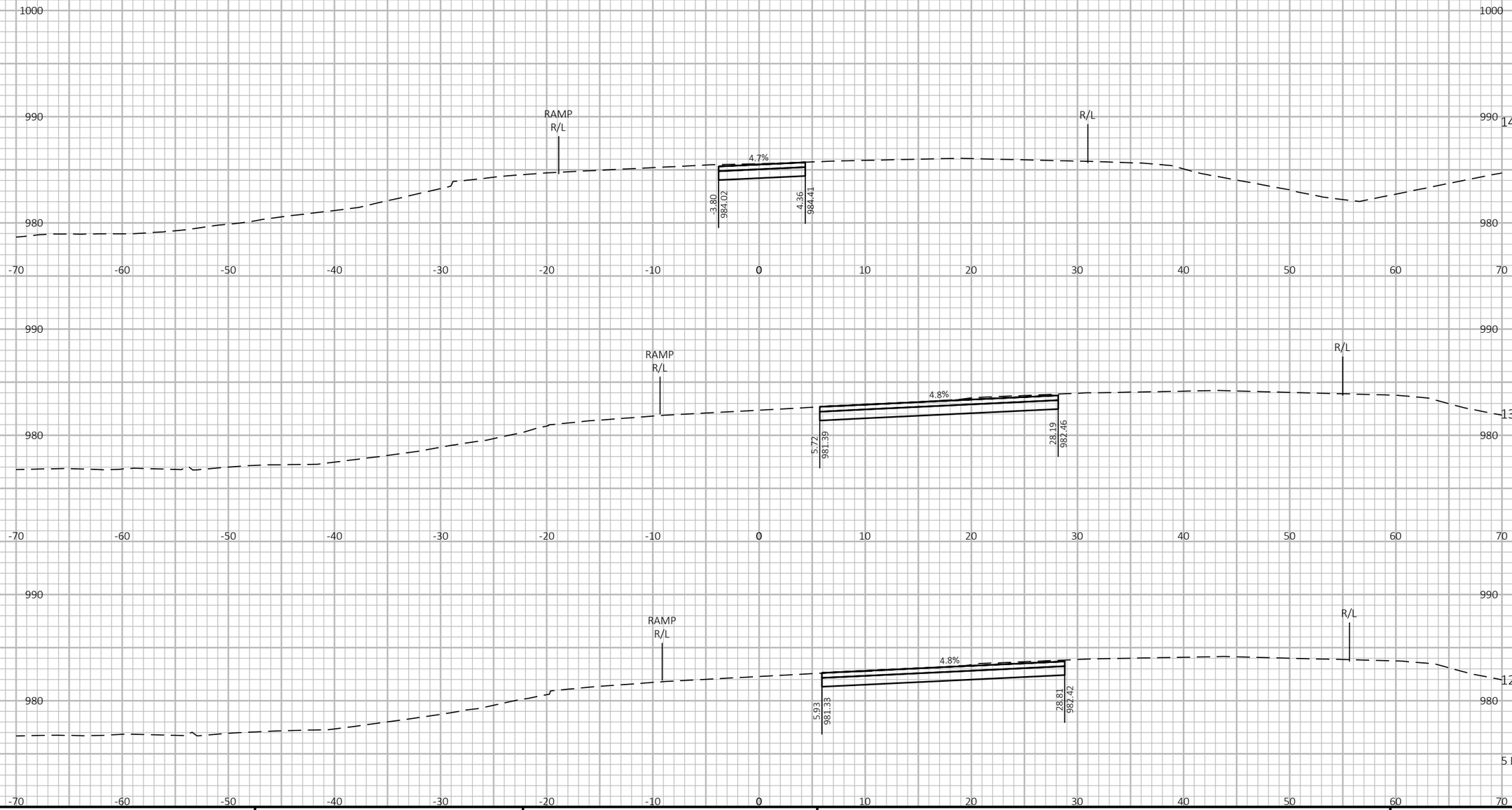
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FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090245-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 4:49 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 SB/CTH S EXIT CROSSOVER 2 - 'SC2' ALIGNMENT



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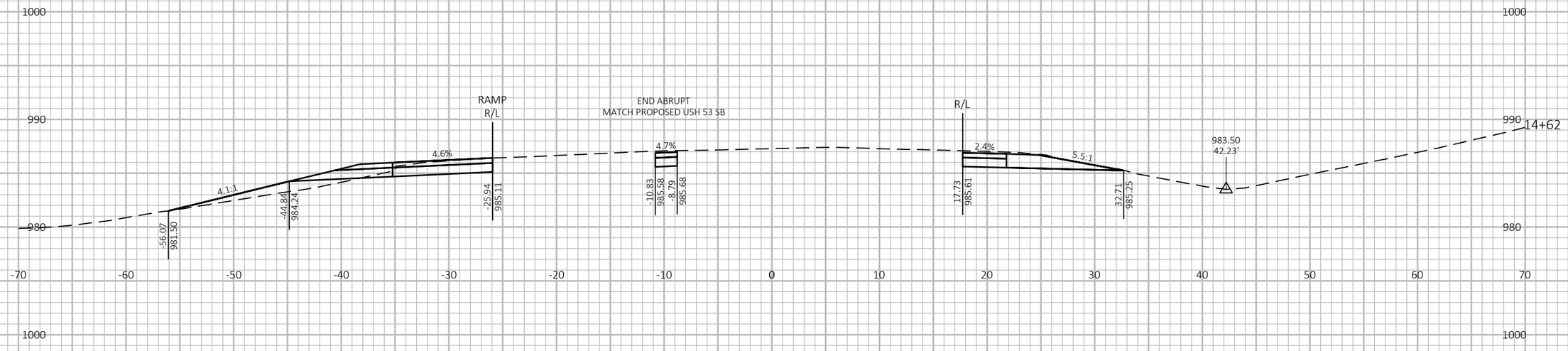
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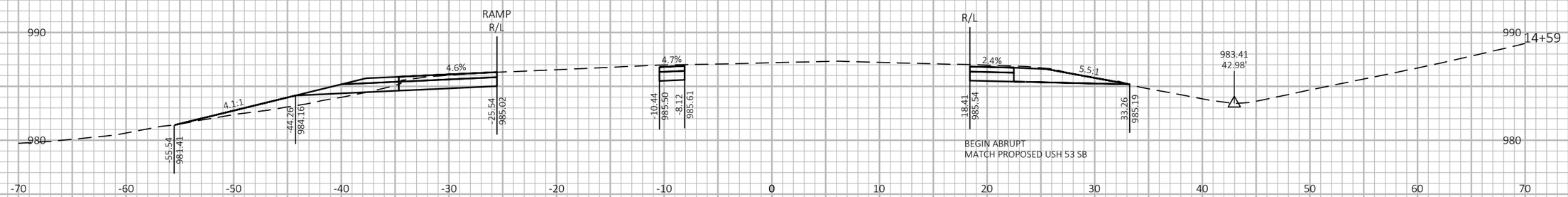
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LAYOUT NAME - 02

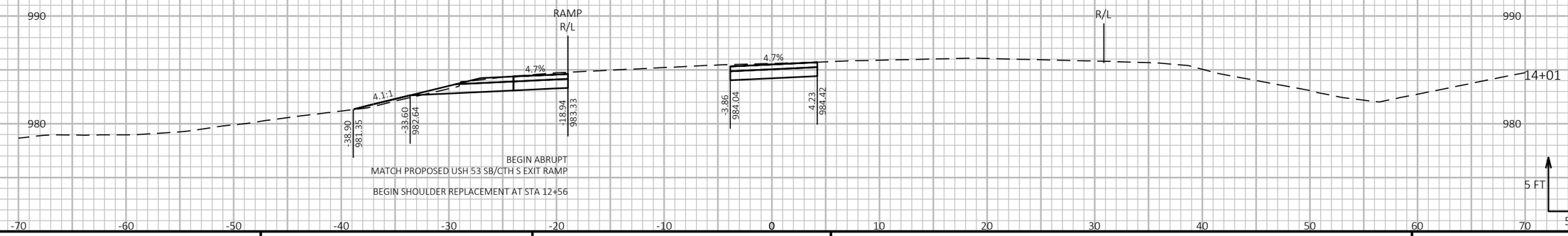
PLOT DATE : 7/26/2023 4:49 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 SB/CTH S EXIT CROSSOVER 2 - 'SC2' ALIGNMENT







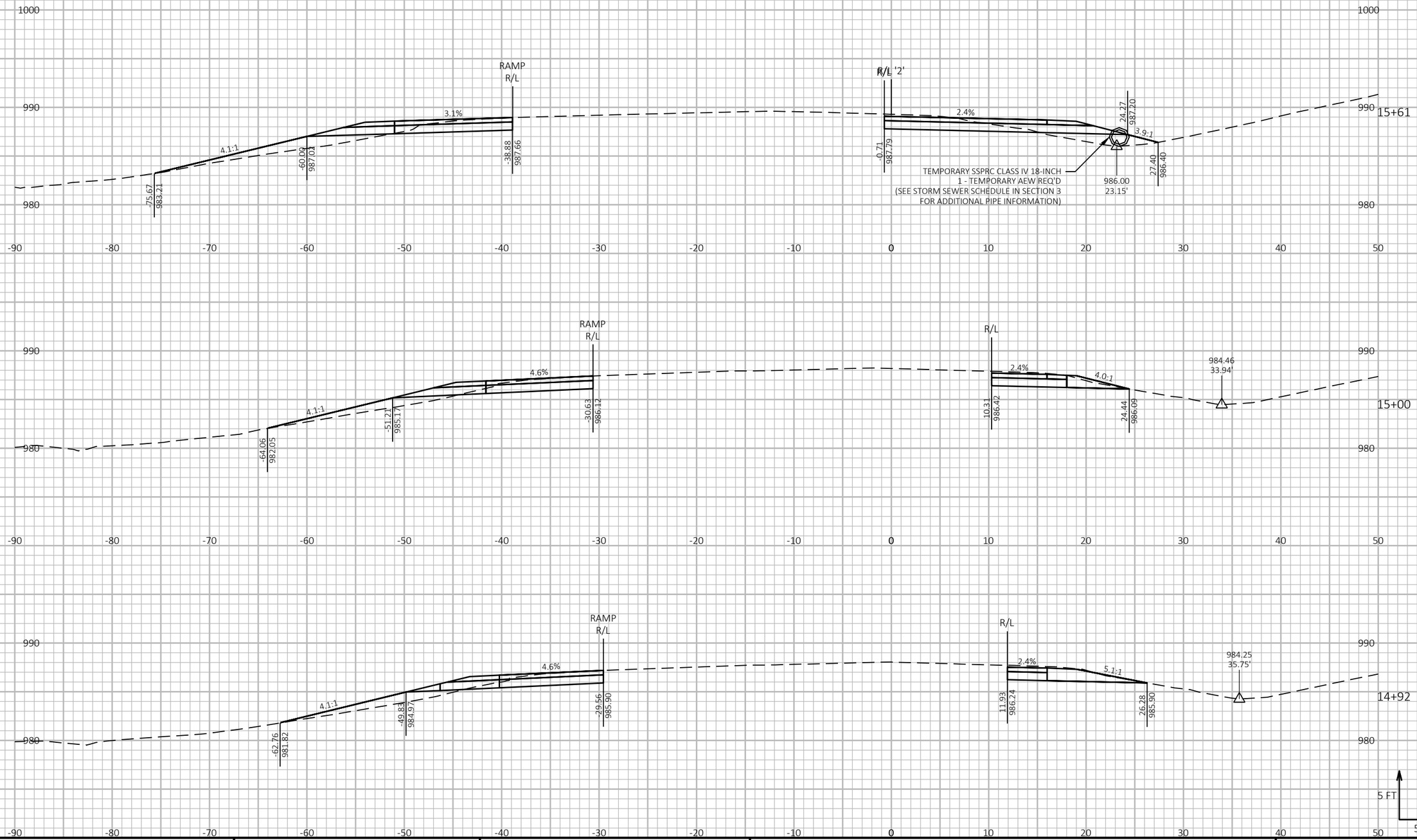
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FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090245-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/26/2023 4:49 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 SB/CTH S EXIT CROSSOVER 2 - 'SC2' ALIGNMENT



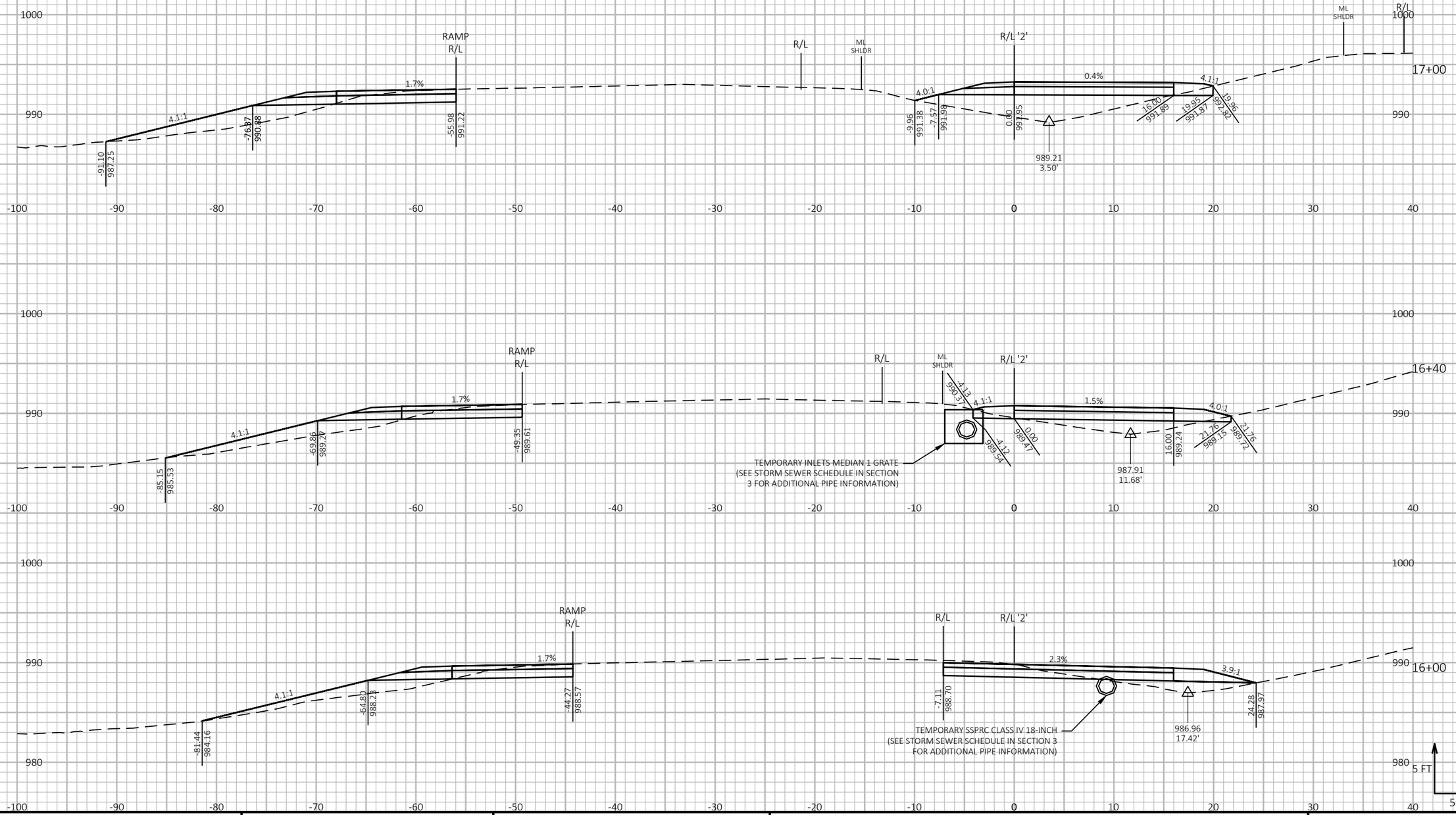
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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB/CTH S EXIT	SHEET 1320 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090245-XS.DWG
LAYOUT NAME - 04
PLOT DATE : 7/26/2023 4:49 PM
PLOT BY : AUSTIN STRAHL
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 SB/CTH S EXIT CROSSOVER 2 - 'SC2' ALIGNMENT



9

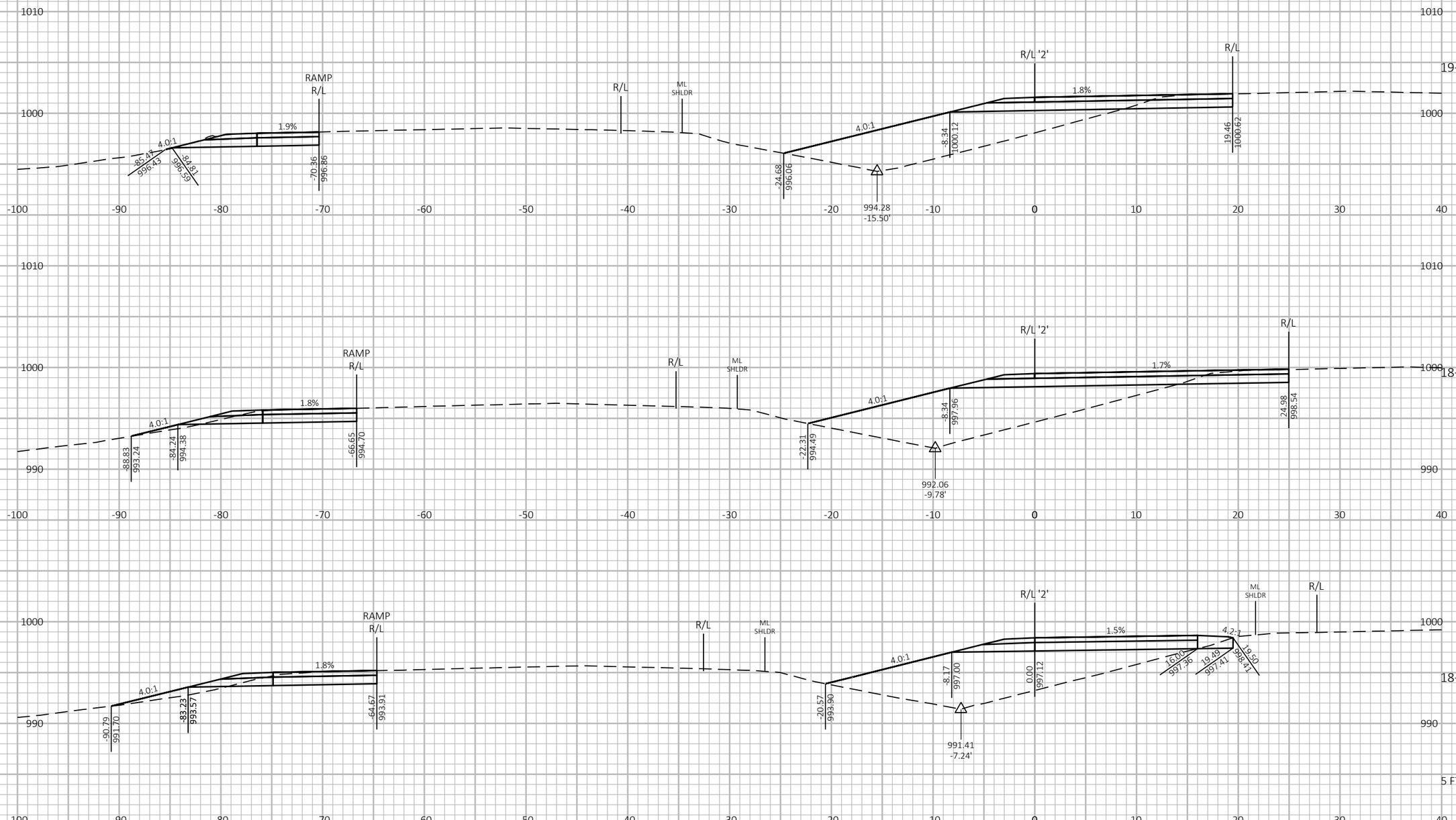
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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB/CTH S EXIT	SHEET 1321 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090245-XS.DWG
LAYOUT NAME - 05

PLOT DATE : 7/26/2023 4:49 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 SB/CTH S EXIT CROSSOVER 2 - 'SC2' ALIGNMENT



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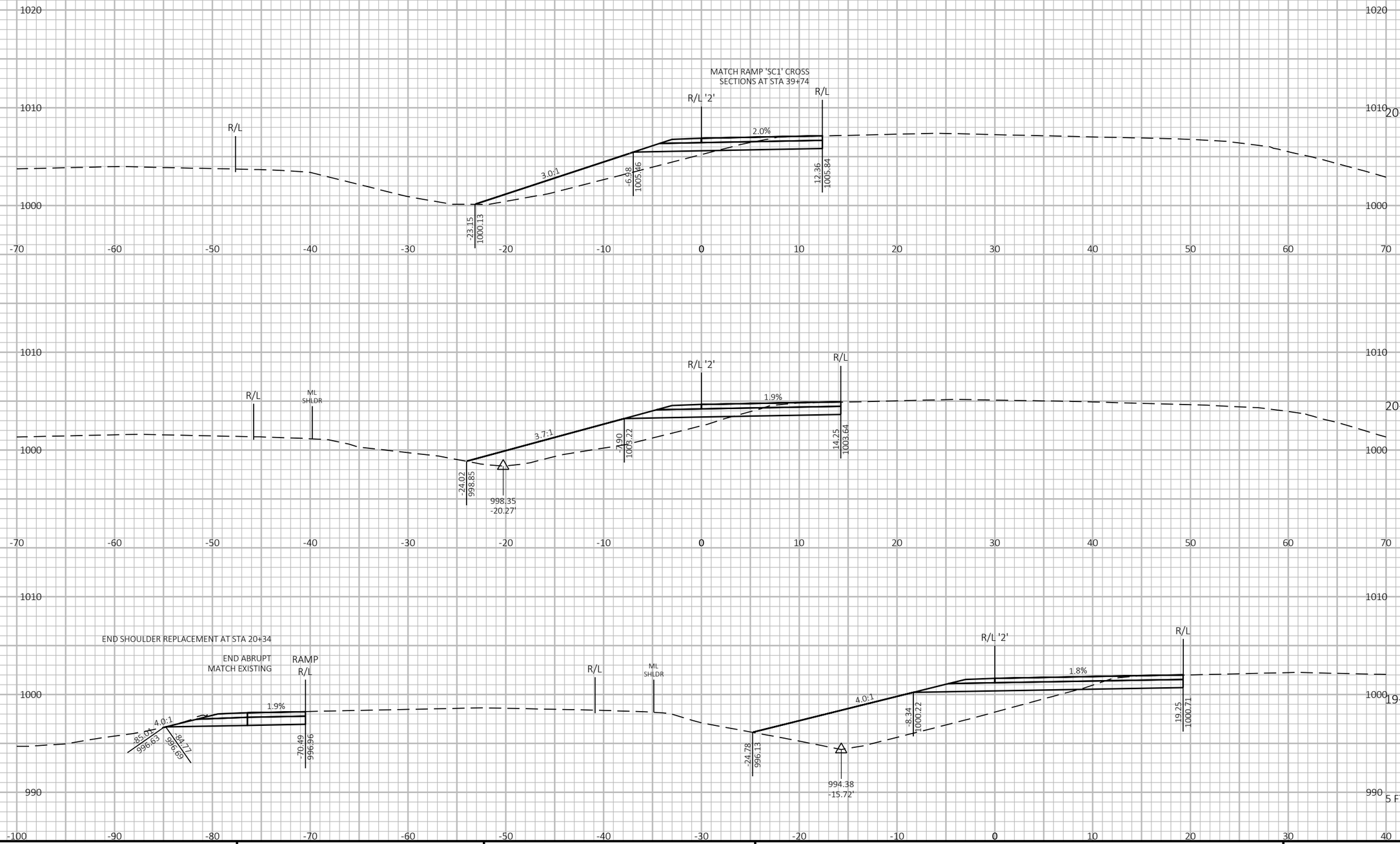
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB/CTH S EXIT	SHEET 1322	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090245-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/26/2023 4:49 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 SB/CTH S EXIT CROSSOVER 2 - 'SC2' ALIGNMENT



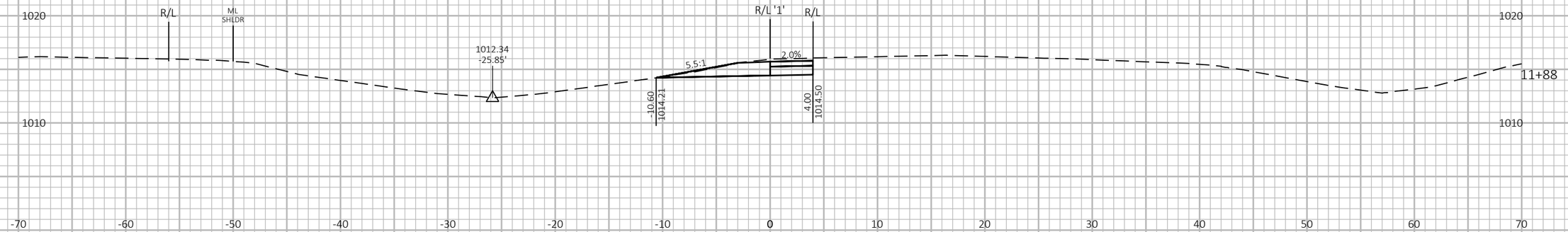
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB/CTH S EXIT	SHEET 1323 E

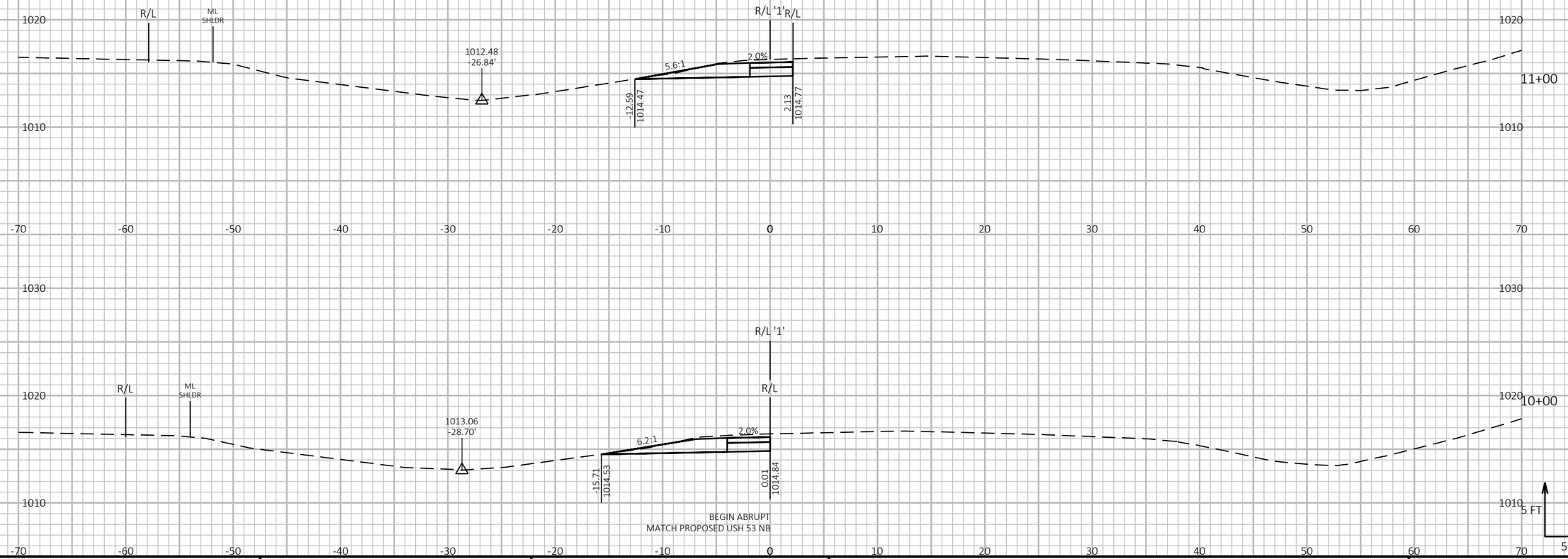
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090245-XS.DWG
LAYOUT NAME - 07

PLOT DATE : 7/26/2023 4:49 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 SB/CTH S ENTRANCE CROSSOVER 1 - 'SD1' ALIGNMENT





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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB/CTH S ENTRANCE	SHEET 1324	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090246-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 4:51 PM

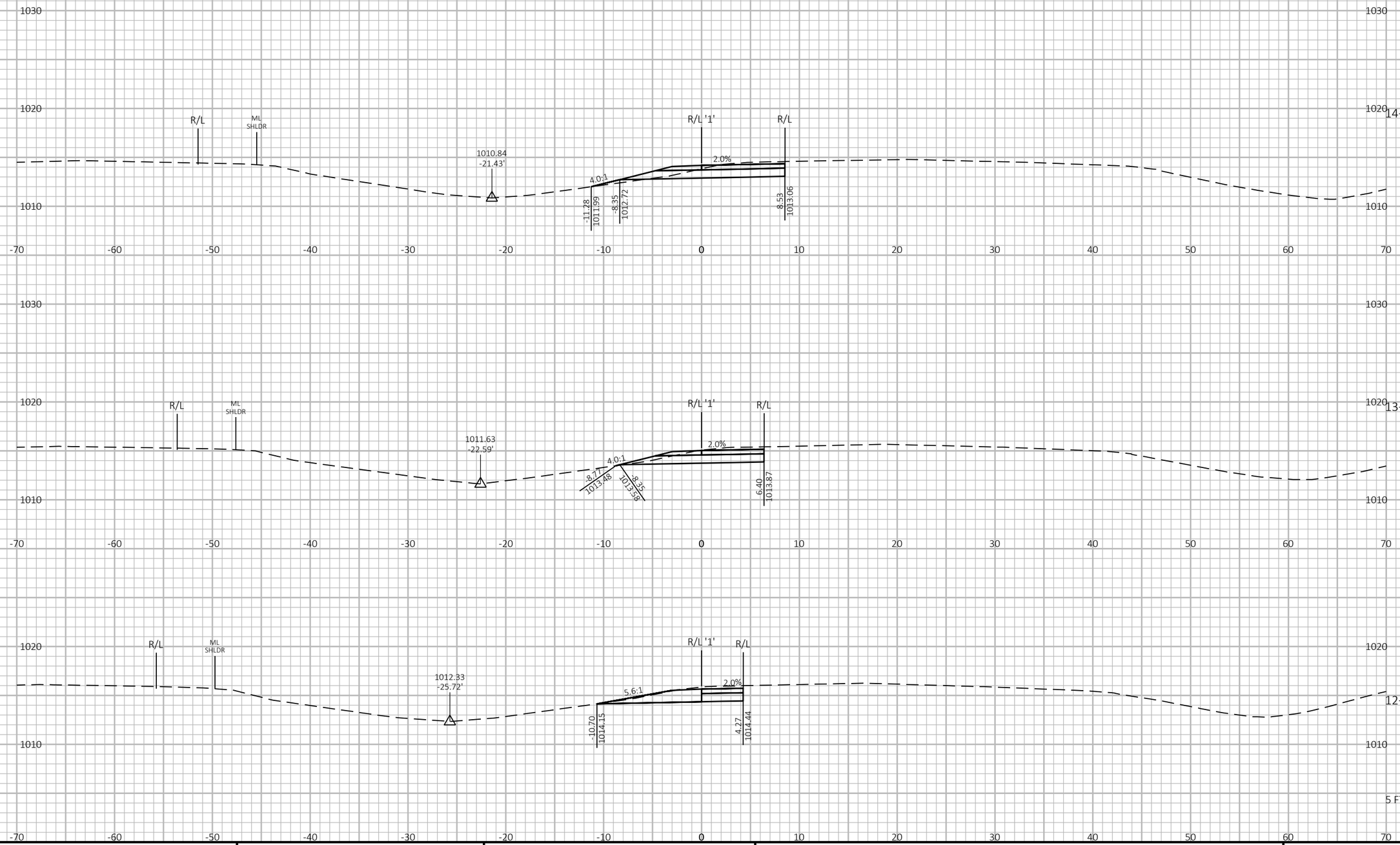
PLOT BY : AUSTIN STRAHL

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 SB/CTH S ENTRANCE CROSSOVER 1 - 'SD1' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB/CTH S ENTRANCE	SHEET 1325	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090246-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/26/2023 4:51 PM

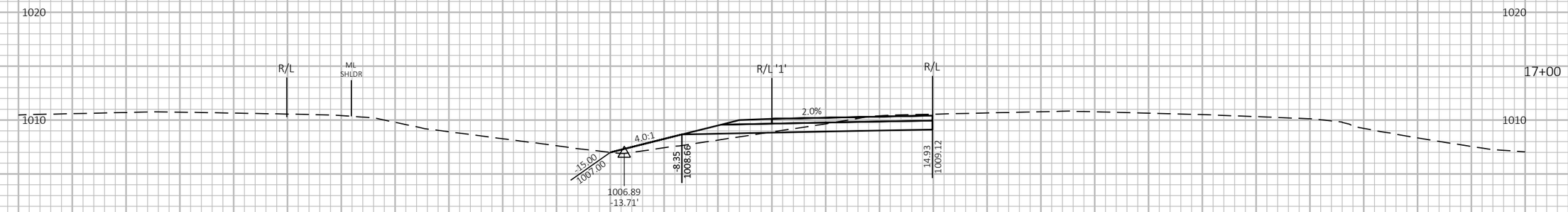
PLOT BY : AUSTIN STRAHL

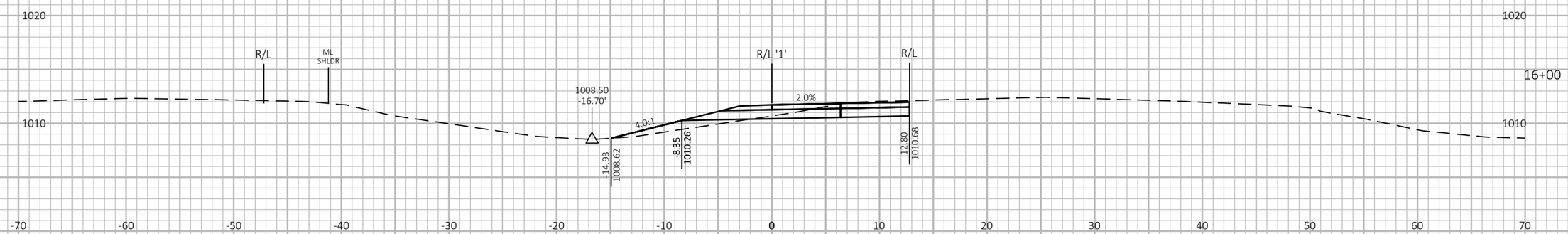
PLOT NAME :

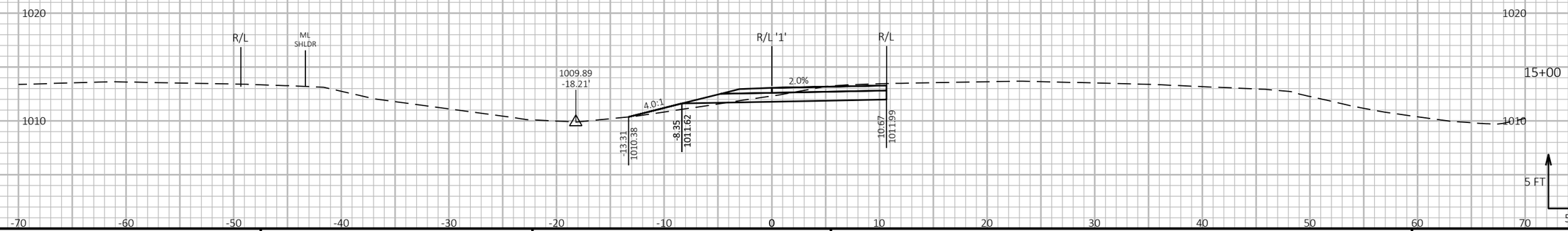
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 SB/CTH S ENTRANCE CROSSOVER 1 - 'SD1' ALIGNMENT







9 9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB/CTH S ENTRANCE	SHEET 1326 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090246-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/26/2023 4:51 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 SB/CTH S ENTRANCE CROSSOVER 1 - 'SD1' ALIGNMENT



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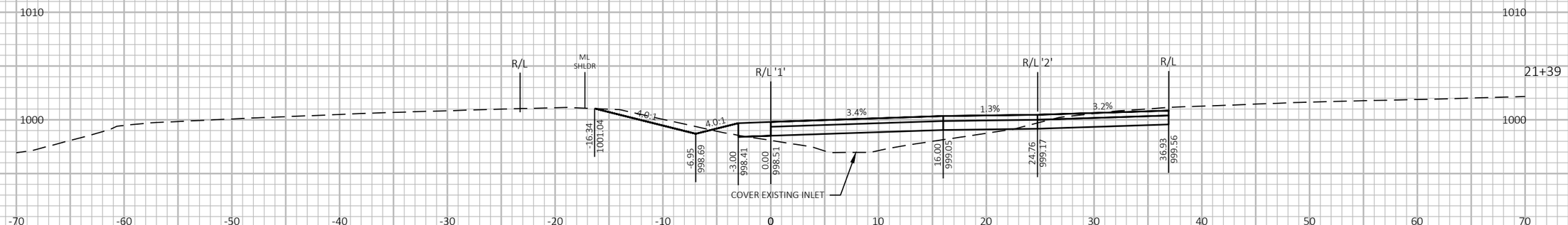
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB/CTH S ENTRANCE	SHEET 1327	E

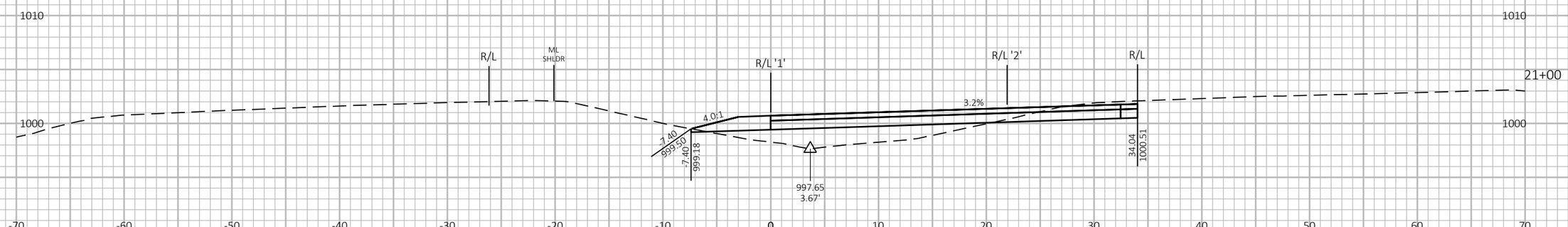
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LAYOUT NAME - 04

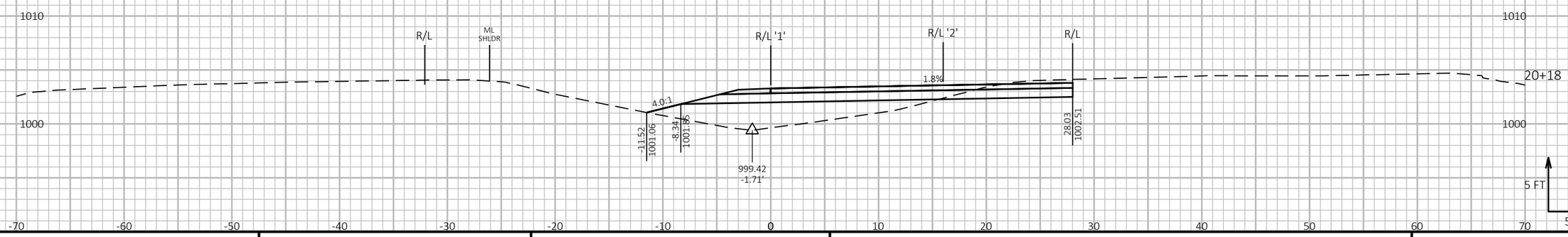
PLOT DATE : 7/26/2023 4:52 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 SB/CTH S ENTRANCE CROSSOVER 1 - 'SD1' ALIGNMENT







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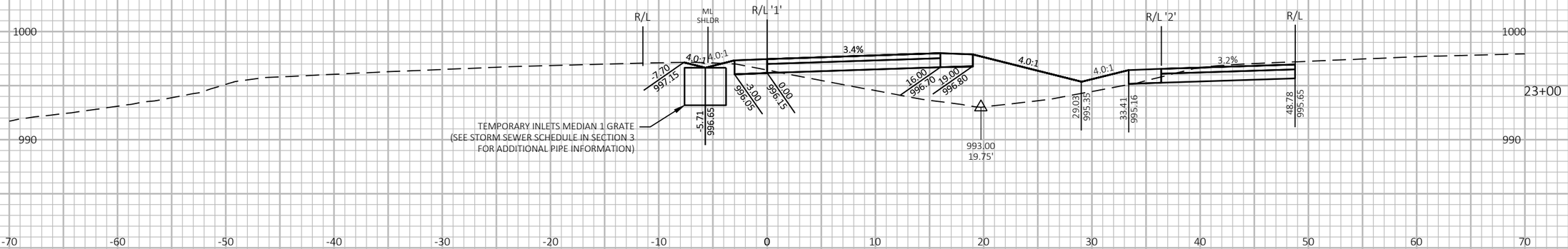
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB/CTH S ENTRANCE	SHEET 1328	E

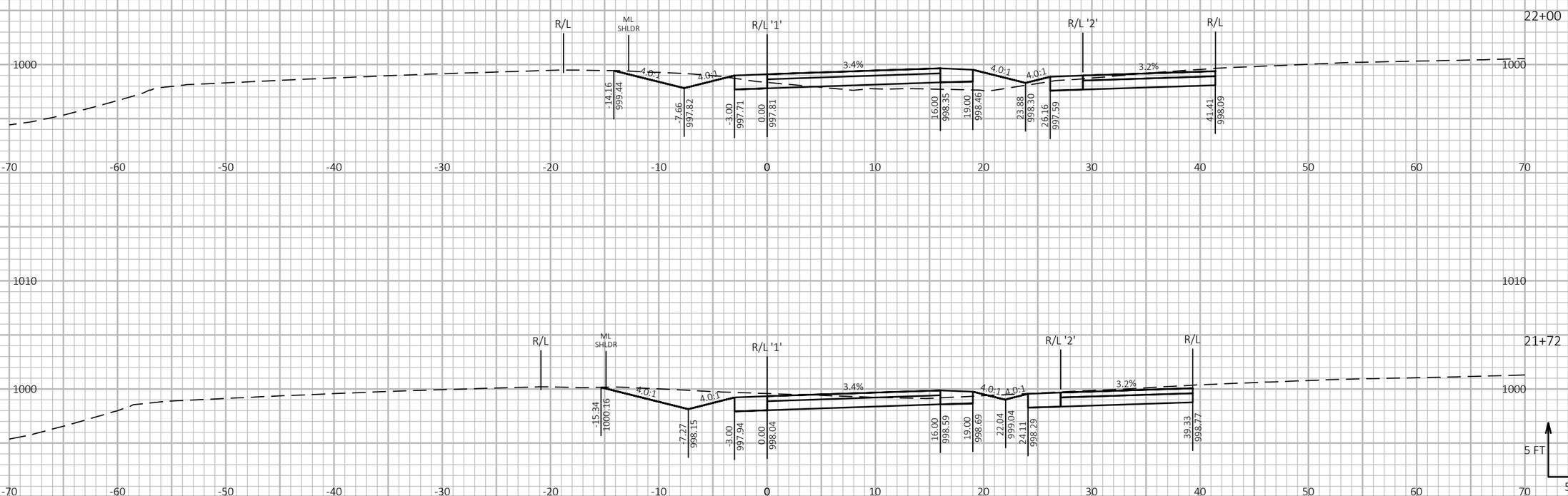
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090246-XS.DWG
LAYOUT NAME - 05

PLOT DATE : 7/26/2023 4:52 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 SB/CTH S ENTRANCE CROSSOVER 1 - 'SD1' ALIGNMENT





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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB/CTH S ENTRANCE	SHEET 1329	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090246-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/26/2023 4:52 PM

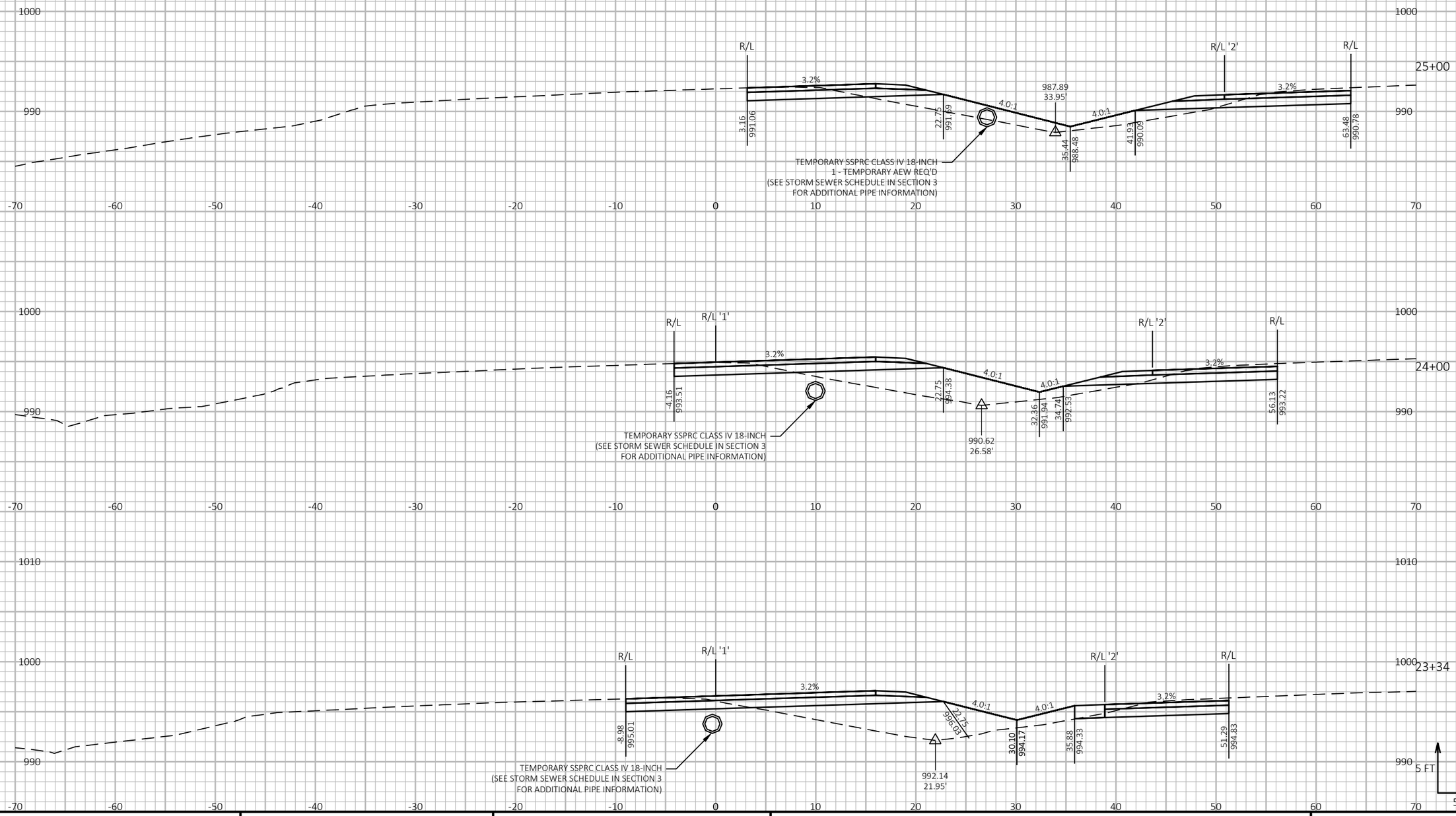
PLOT BY : AUSTIN STRAHL

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 SB/CTH S ENTRANCE CROSSOVER 1 - 'SD1' ALIGNMENT



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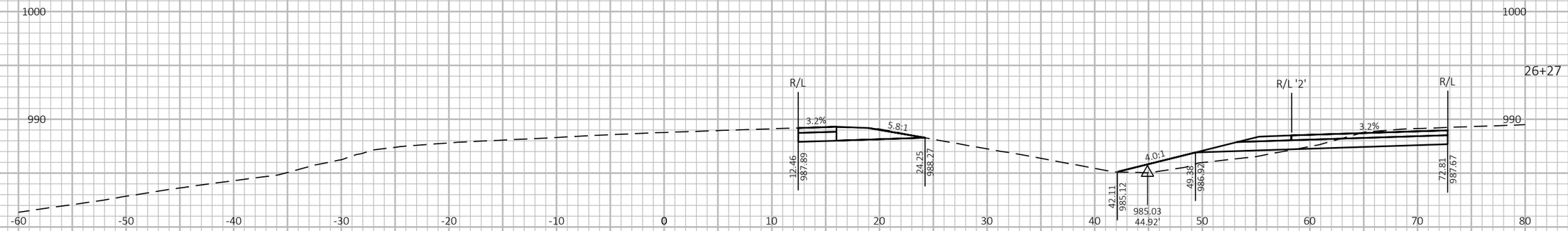
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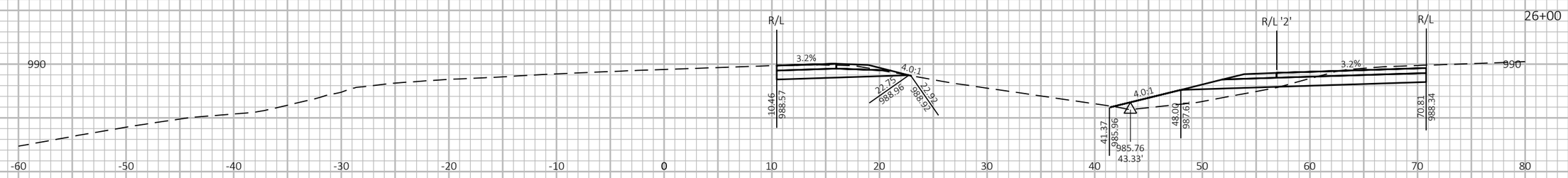
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB/CTH S ENTRANCE	SHEET 1330 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090246-XS.DWG
LAYOUT NAME - 07

PLOT DATE : 7/26/2023 4:52 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 SB/CTH S ENTRANCE CROSSOVER 1 - 'SD1' ALIGNMENT







9

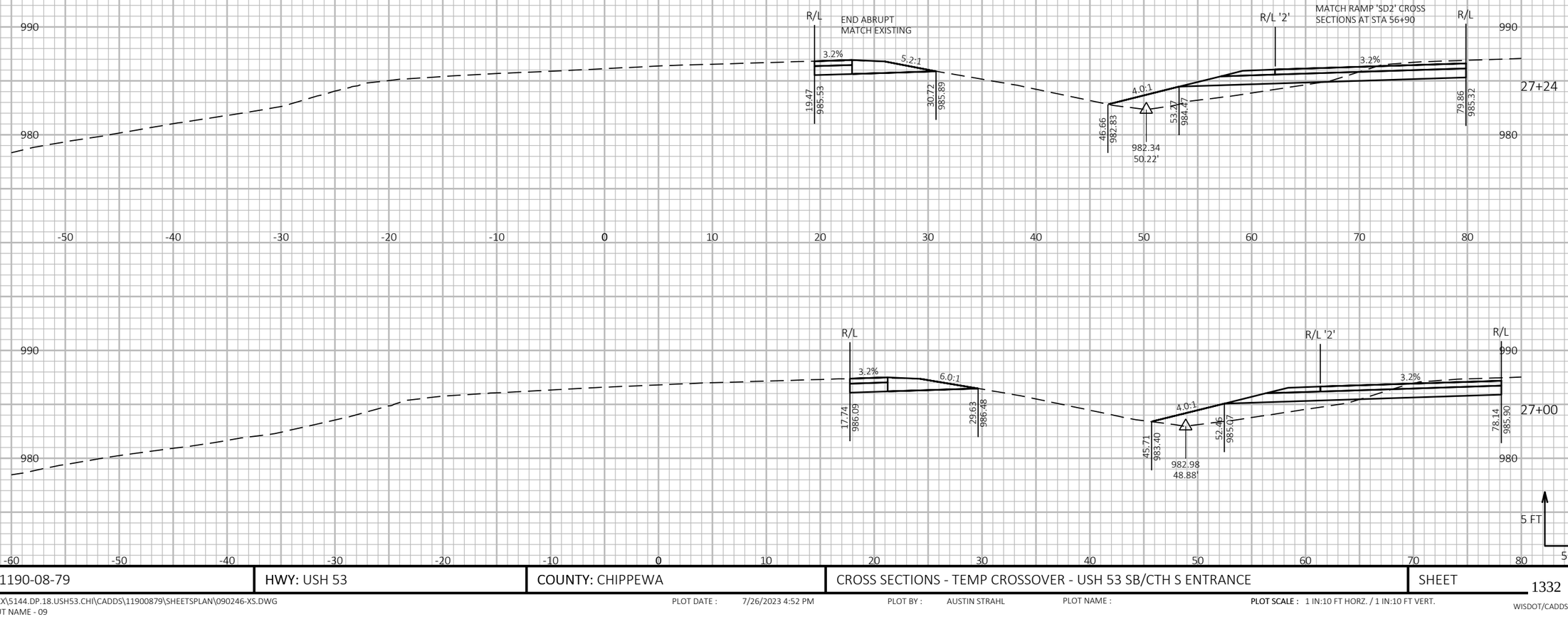
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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB/CTH S ENTRANCE	SHEET 1331	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090246-XS.DWG
LAYOUT NAME - 08

PLOT DATE : 7/26/2023 4:52 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 SB/CTH S ENTRANCE CROSSOVER 1 - 'SD1' ALIGNMENT



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9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB/CTH S ENTRANCE	SHEET 1332	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090246-XS.DWG
LAYOUT NAME - 09

PLOT DATE : 7/26/2023 4:52 PM

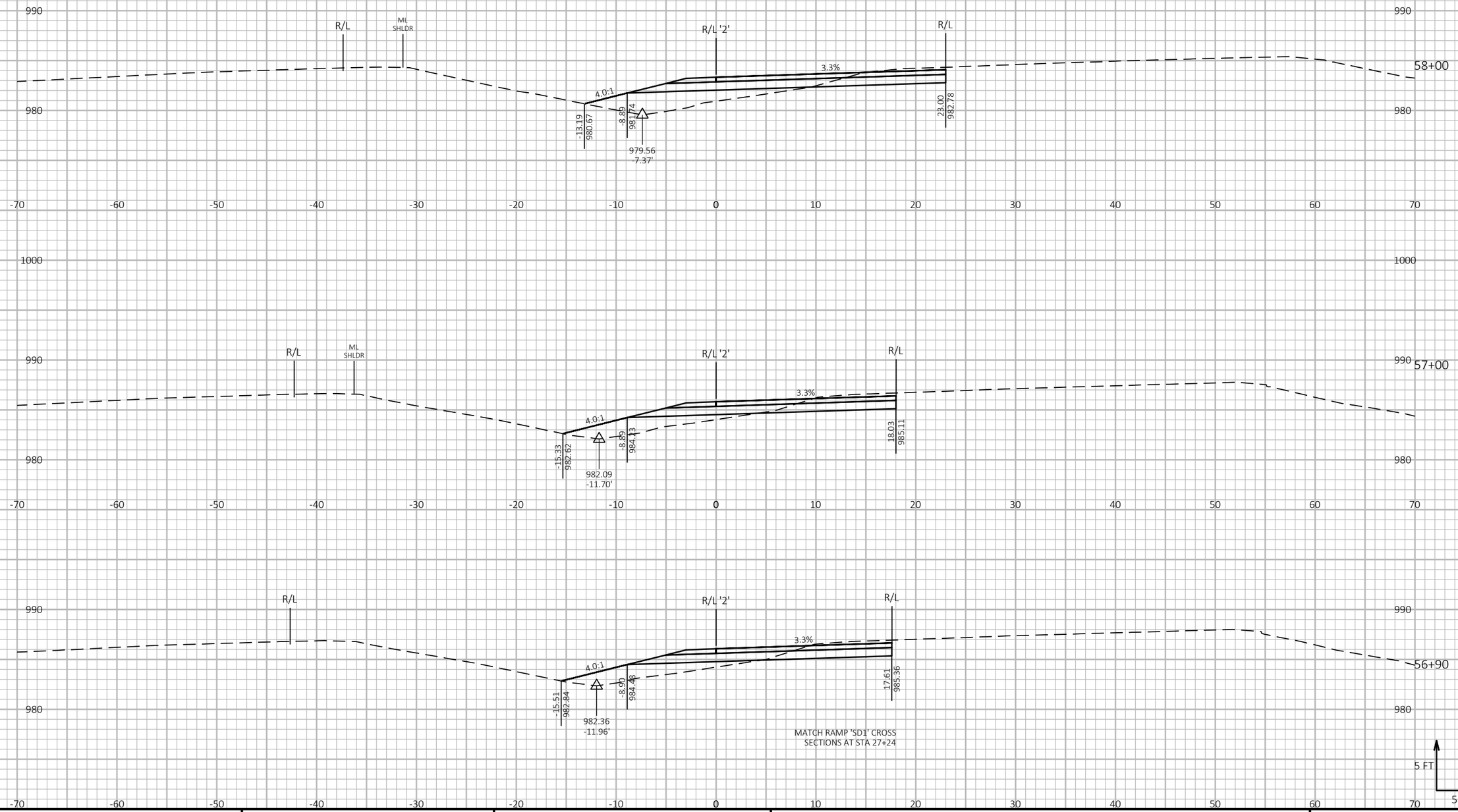
PLOT BY : AUSTIN STRAHL

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 SB/CTH S ENTRANCE CROSSOVER 2 - 'SD2' ALIGNMENT



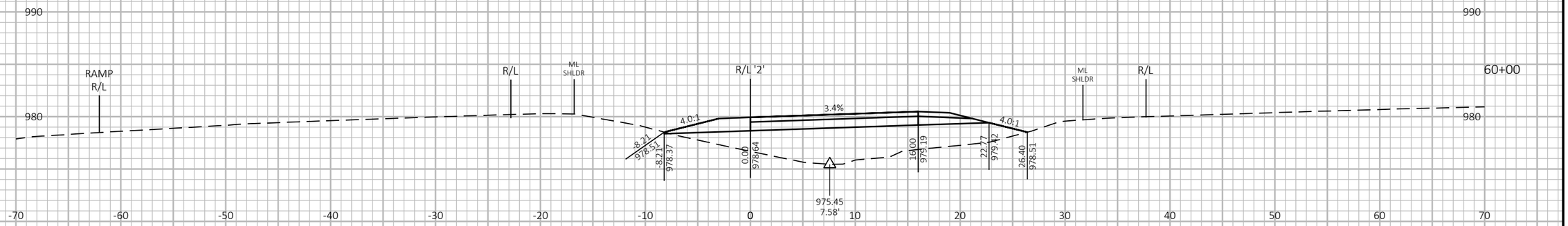
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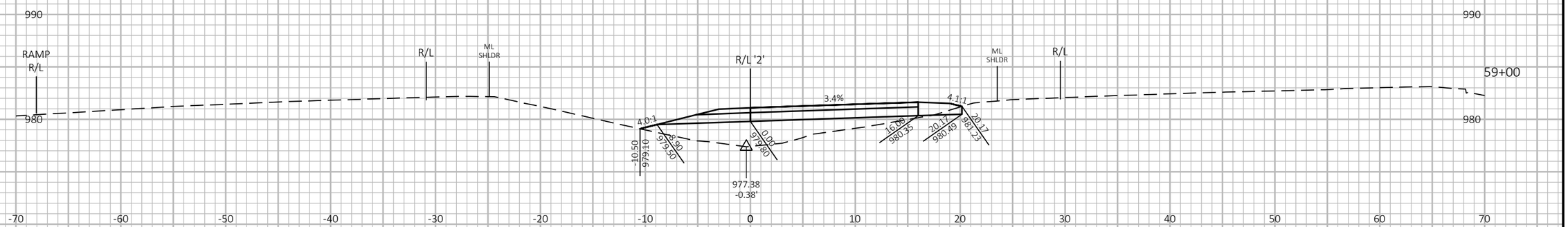
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090247-XS.DWG
LAYOUT NAME - 01

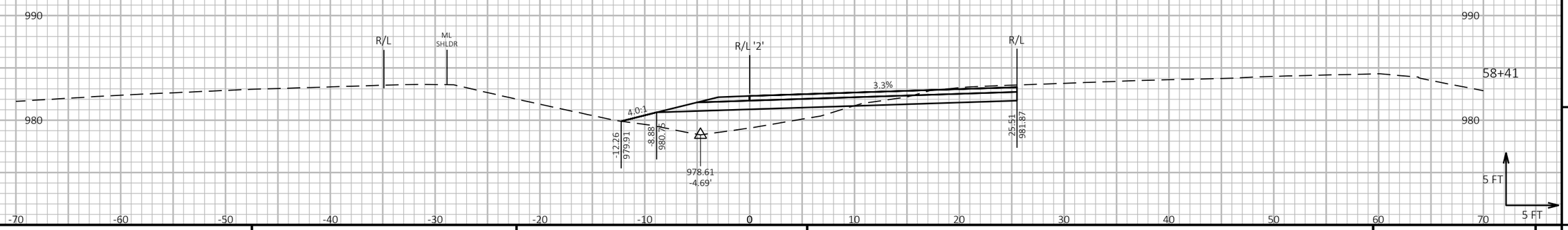
PLOT DATE : 7/26/2023 4:54 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 SB/CTH S ENTRANCE CROSSOVER 2 - 'SD2' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB/CTH S ENTRANCE	SHEET 1334	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090247-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/26/2023 4:54 PM

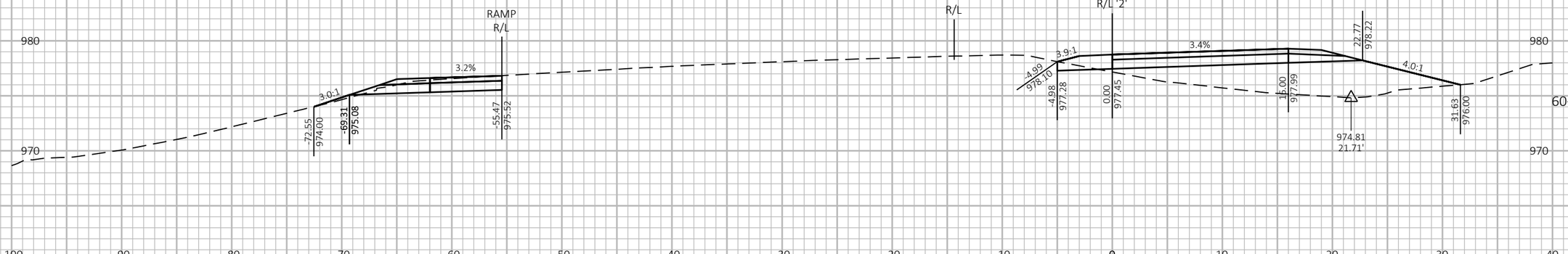
PLOT BY : AUSTIN STRAHL

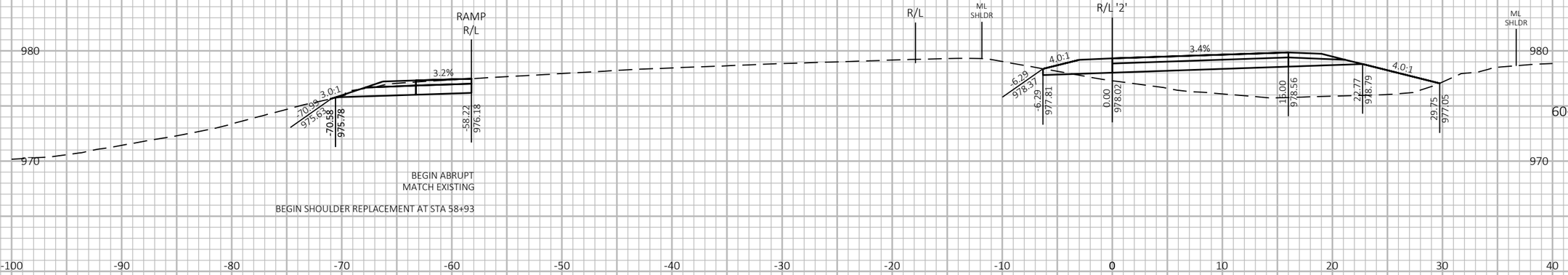
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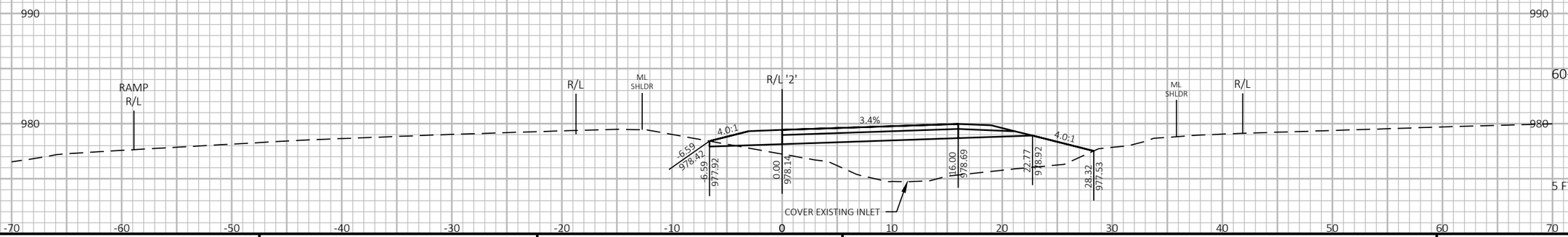
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 SB/CTH S ENTRANCE CROSSOVER 2 - 'SD2' ALIGNMENT







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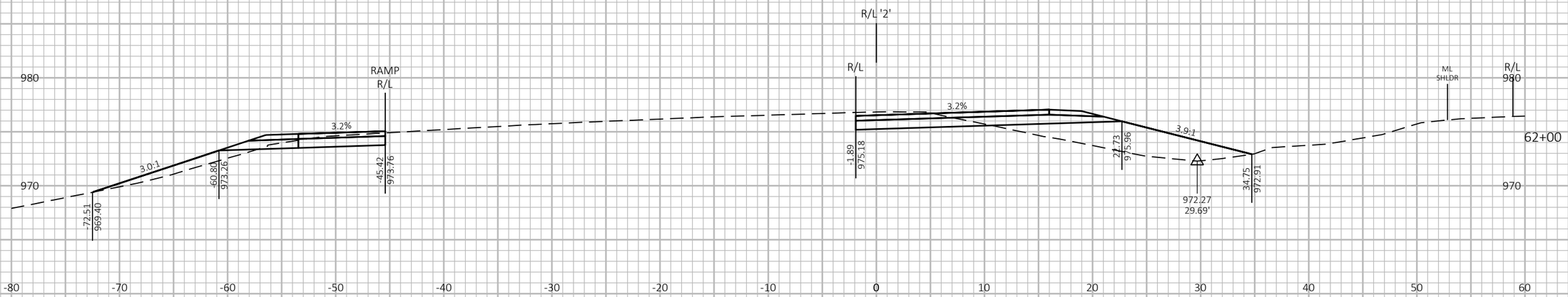
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB/CTH S ENTRANCE	SHEET 1335 E

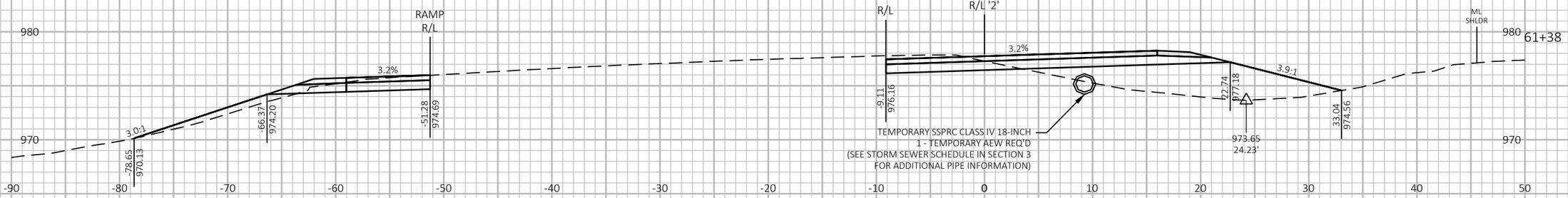
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LAYOUT NAME - 03

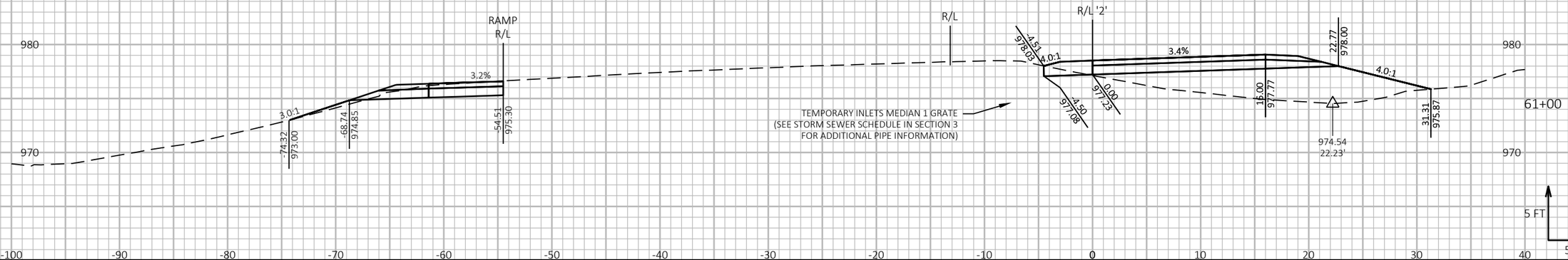
PLOT DATE : 7/26/2023 4:54 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 SB/CTH S ENTRANCE CROSSOVER 2 - 'SD2' ALIGNMENT







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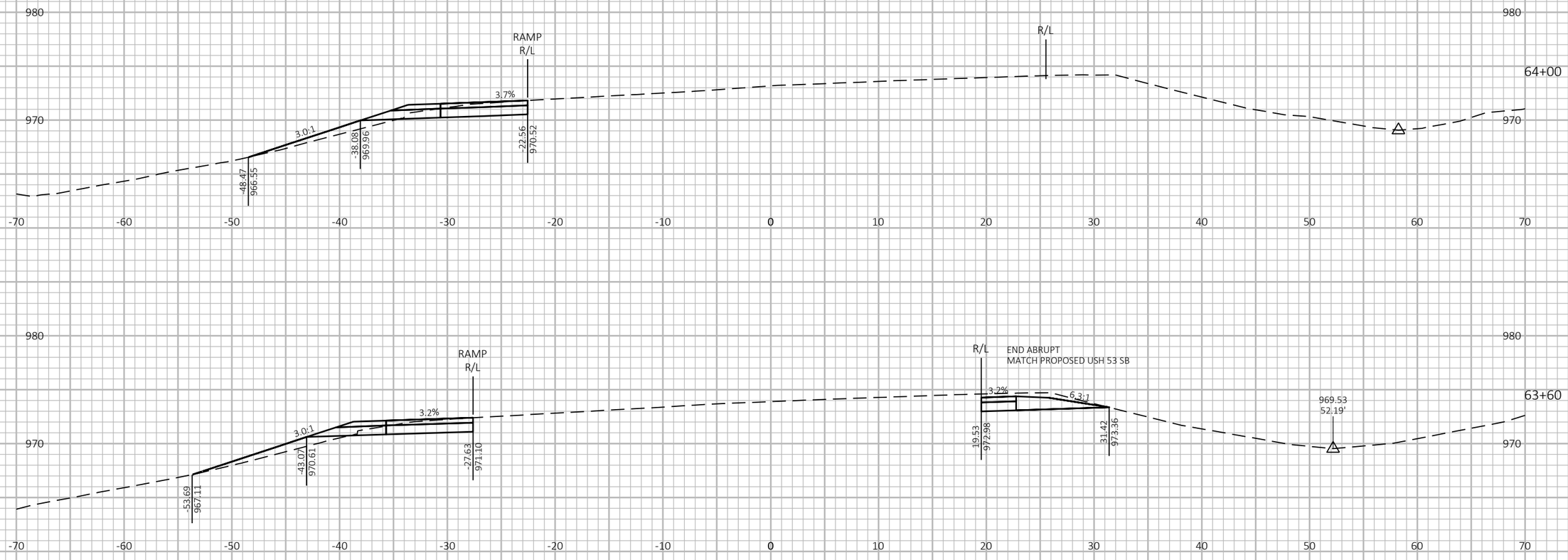
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB/CTH S ENTRANCE	SHEET 1336	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090247-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 7/26/2023 4:54 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 SB/CTH S ENTRANCE CROSSOVER 2 - 'SD2' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB/CTH S ENTRANCE	SHEET 1337	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090247-XS.DWG
LAYOUT NAME - 05

PLOT DATE : 7/26/2023 4:54 PM

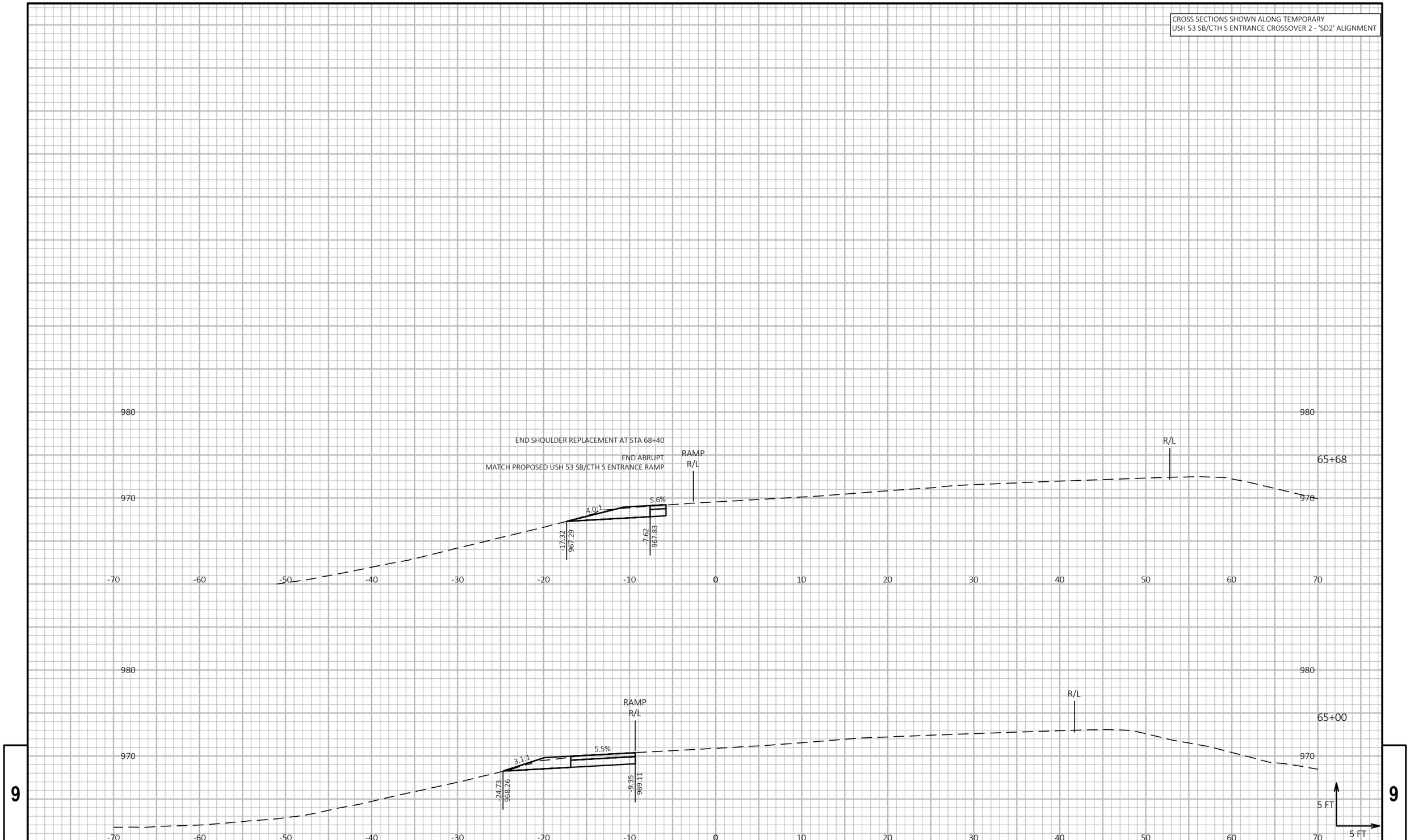
PLOT BY : AUSTIN STRAHL

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 SB/CTH S ENTRANCE CROSSOVER 2 - 'SD2' ALIGNMENT



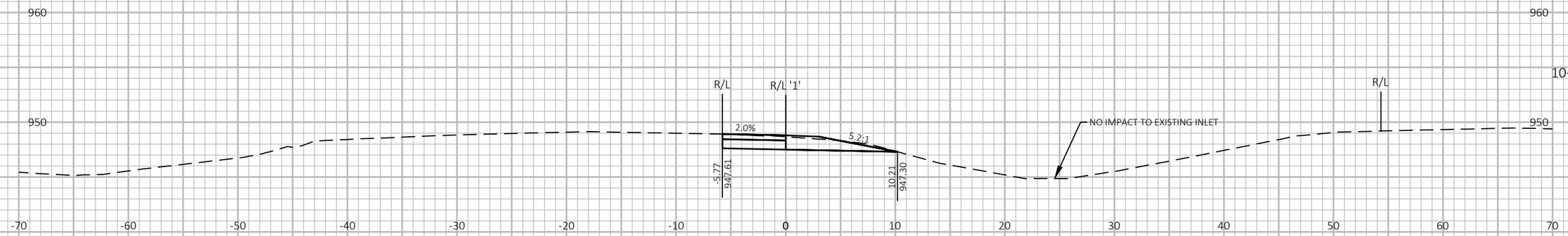
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 SB/CTH S ENTRANCE	SHEET 1338 E

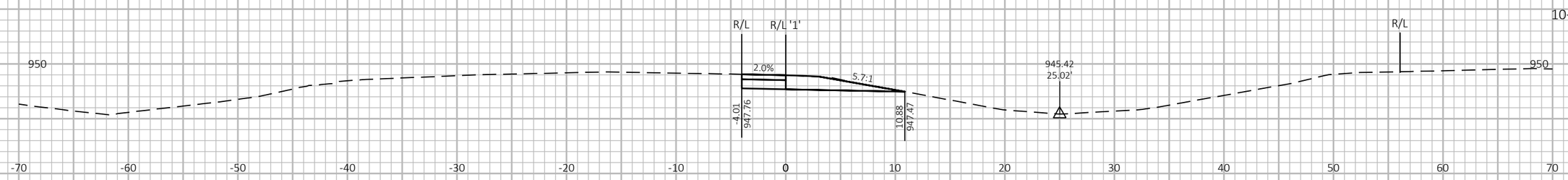
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LAYOUT NAME - 06

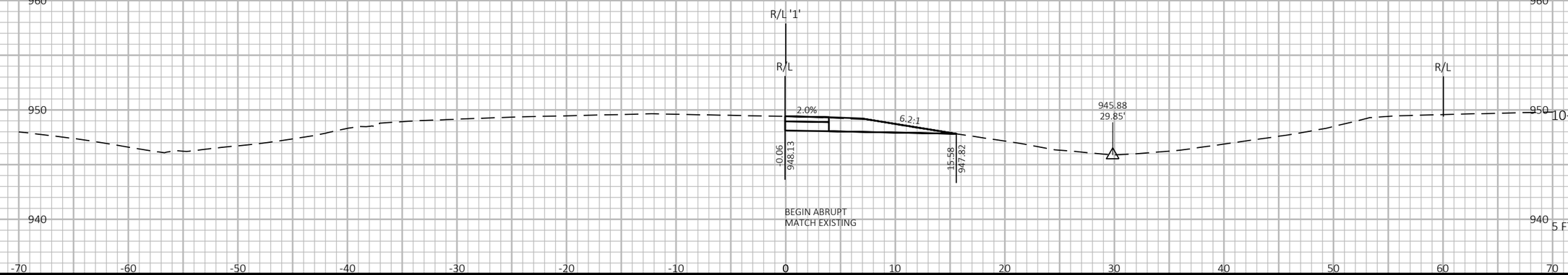
PLOT DATE : 7/26/2023 4:54 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 NB/CTH B EXIT CROSSOVER 1 - 'BA1' ALIGNMENT







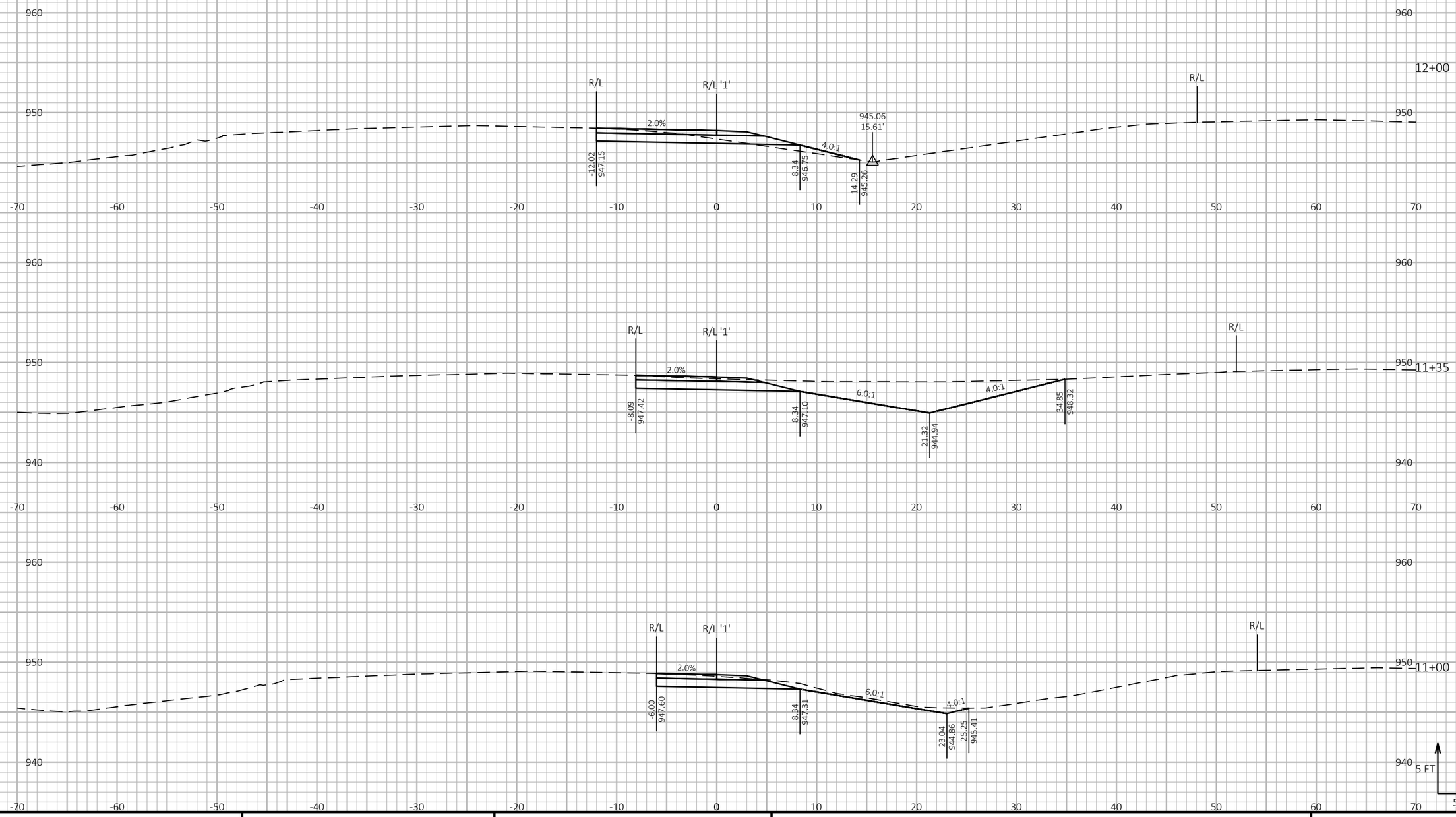
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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH B EXIT	SHEET 1339 E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090248-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/26/2023 4:56 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 NB/CTH B EXIT CROSSOVER 1 - 'BA1' ALIGNMENT



9

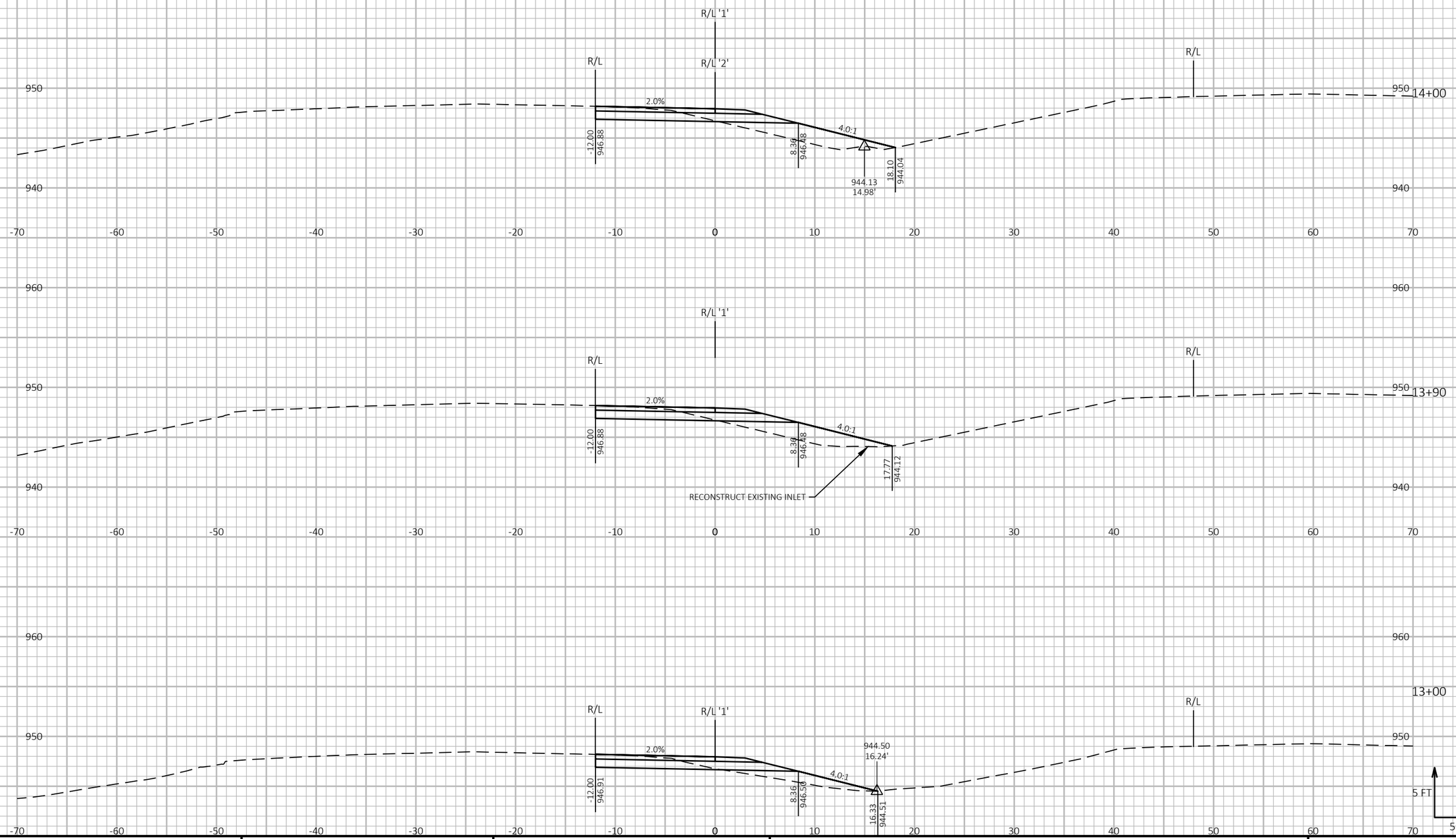
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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH B EXIT	SHEET 1340	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090248-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/26/2023 4:56 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 NB/CTH B EXIT CROSSOVER 1 - 'BA1' ALIGNMENT



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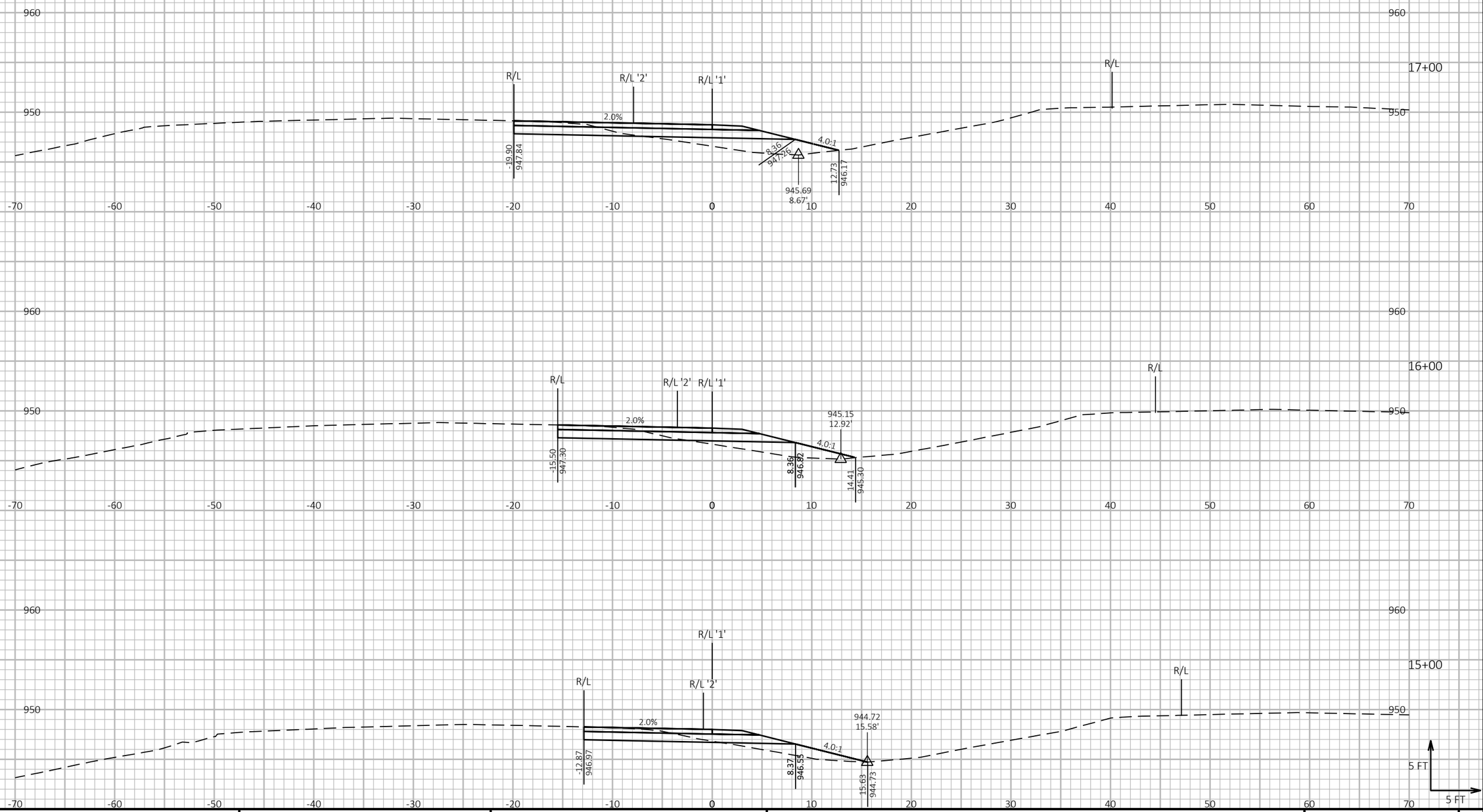
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH B EXIT	SHEET 1341	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090248-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/26/2023 4:57 PM PLOT BY : AUSTIN STRAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 NB/CTH B EXIT CROSSOVER 1 - 'BA1' ALIGNMENT



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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH B EXIT	SHEET 1342	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090248-XS.DWG
LAYOUT NAME - 04

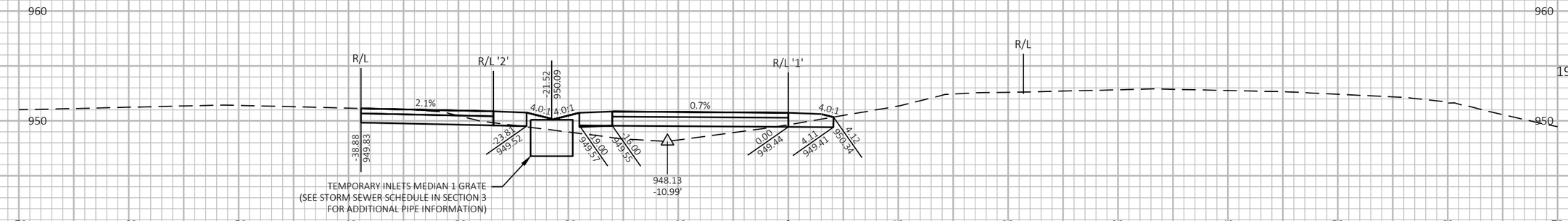
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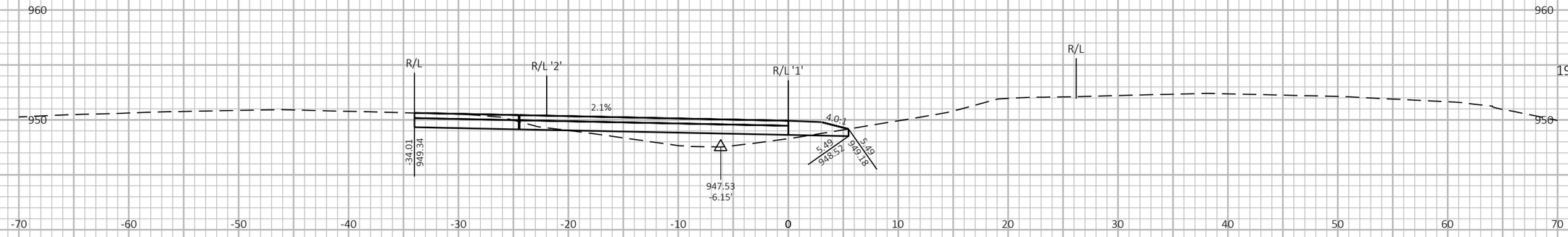
PLOT BY : AUSTIN STRAHL

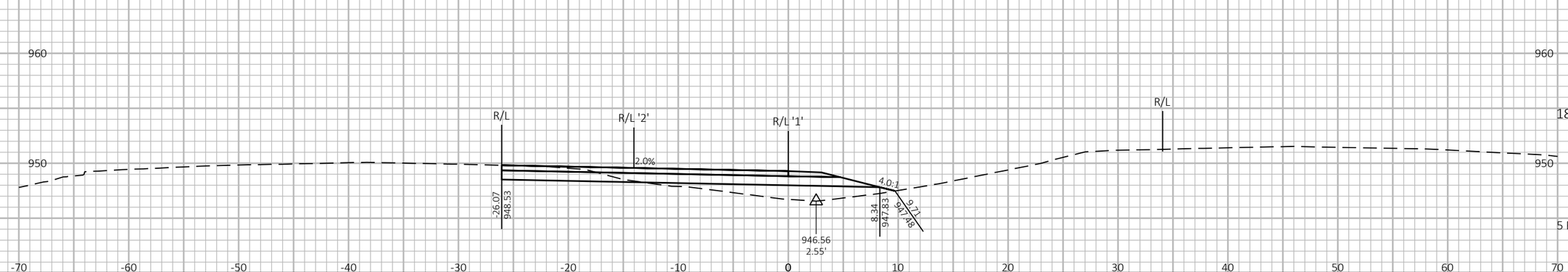
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 NB/CTH B EXIT CROSSOVER 1 - 'BA1' ALIGNMENT







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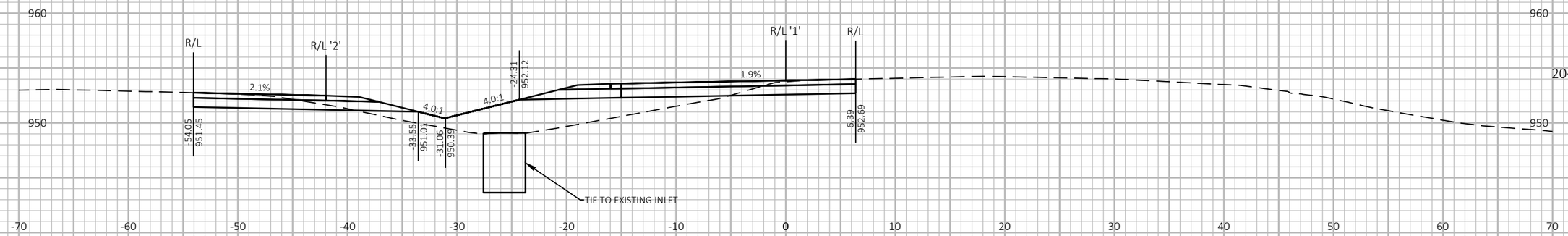
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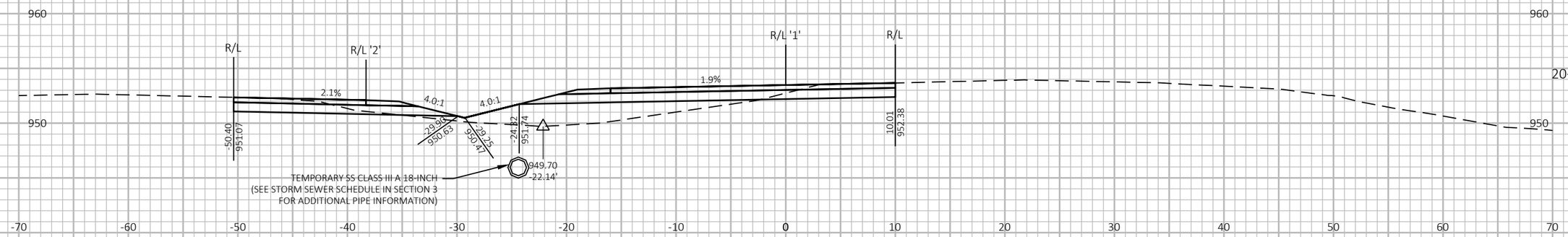
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LAYOUT NAME - 05

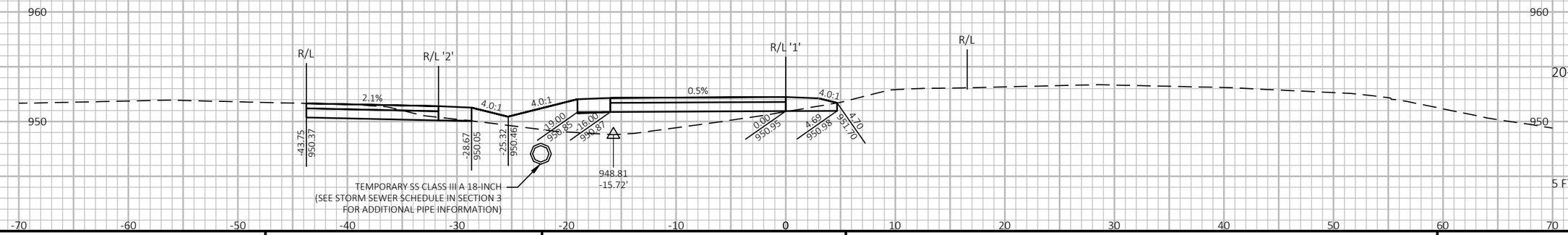
PLOT DATE : 7/26/2023 4:57 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 NB/CTH B EXIT CROSSOVER 1 - 'BA1' ALIGNMENT







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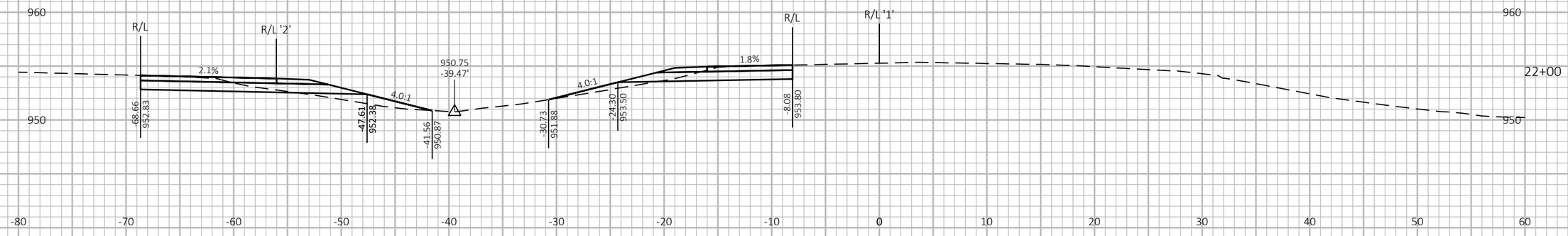
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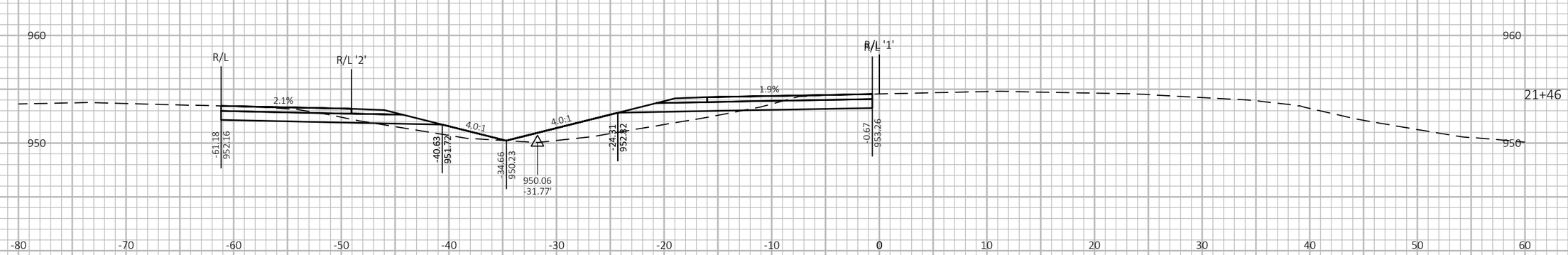
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LAYOUT NAME - 06

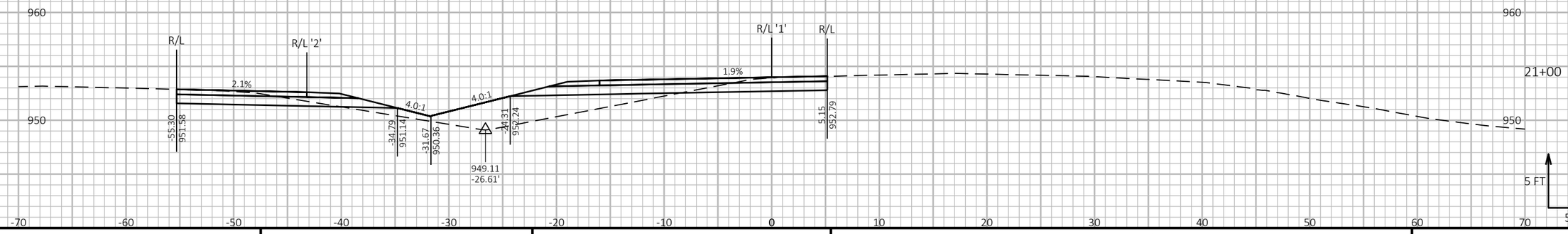
PLOT DATE : 7/26/2023 4:57 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 NB/CTH B EXIT CROSSOVER 1 - 'BA1' ALIGNMENT







9

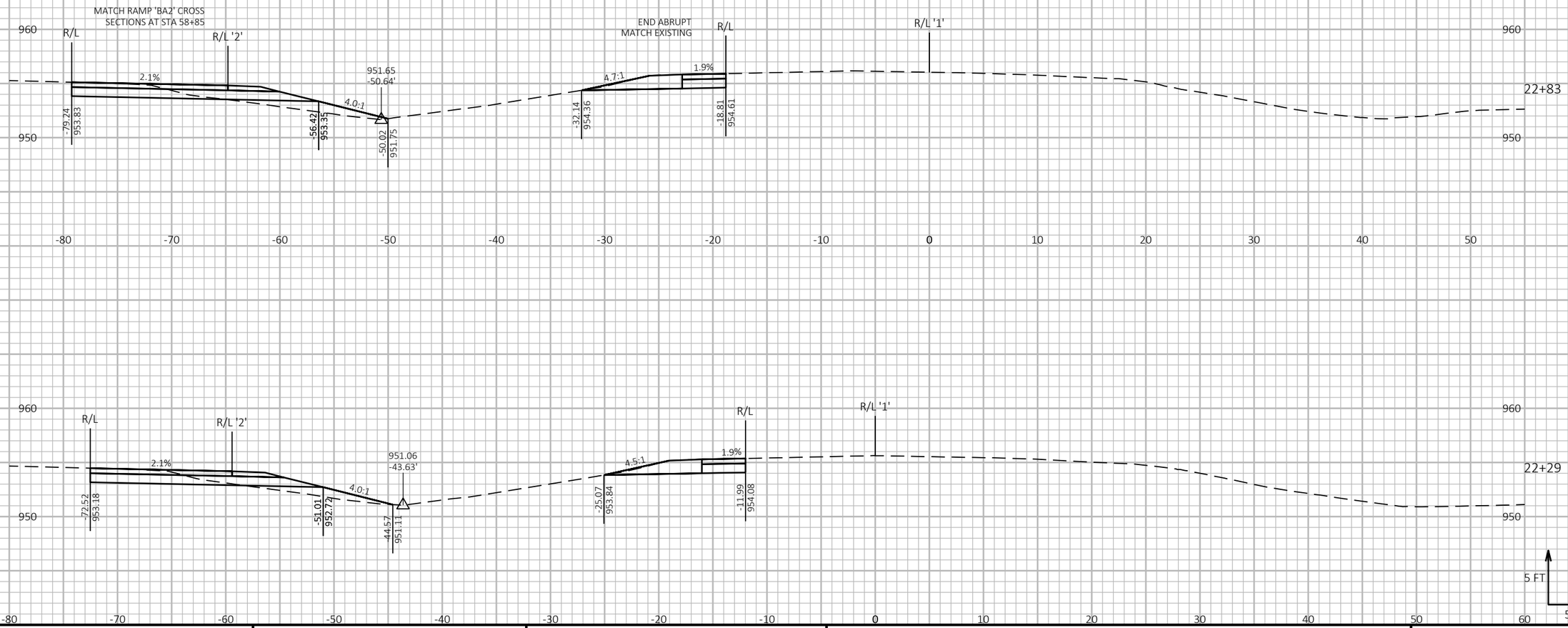
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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH B EXIT	SHEET 1345	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090248-XS.DWG
LAYOUT NAME - 07

PLOT DATE : 7/26/2023 4:57 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 NB/CTH B EXIT CROSSOVER 1 - 'BA1' ALIGNMENT



9 9

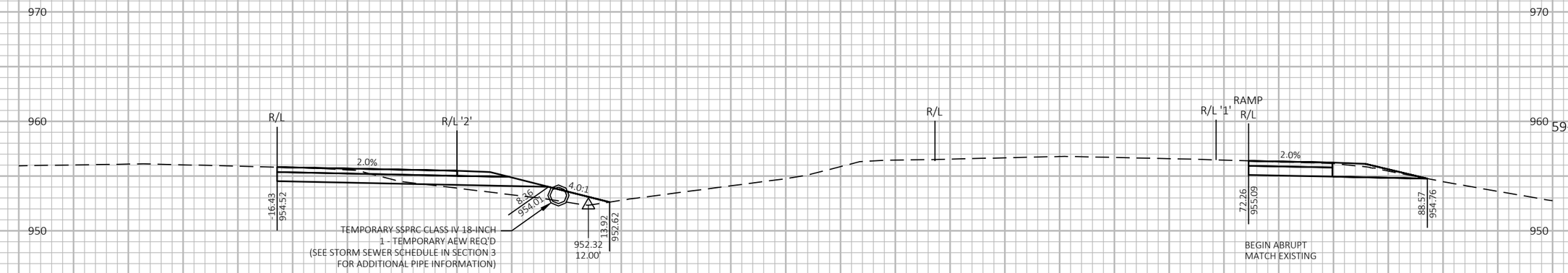
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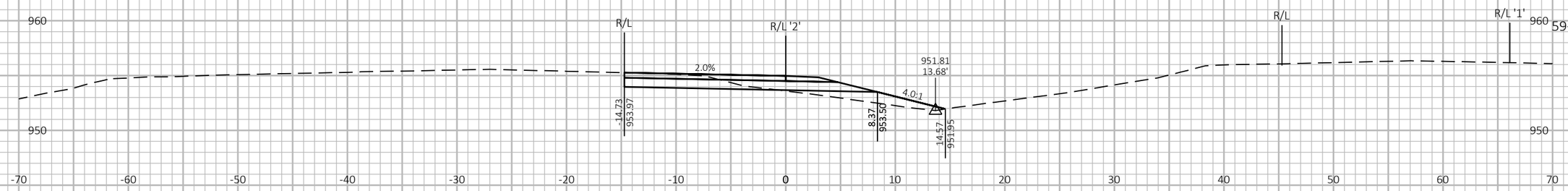
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LAYOUT NAME - 08

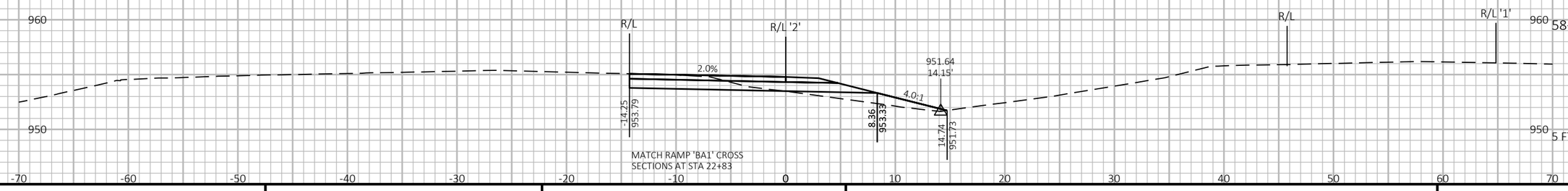
PLOT DATE : 7/26/2023 4:57 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 NB/CTH B EXIT CROSSOVER 2 - 'BA2' ALIGNMENT





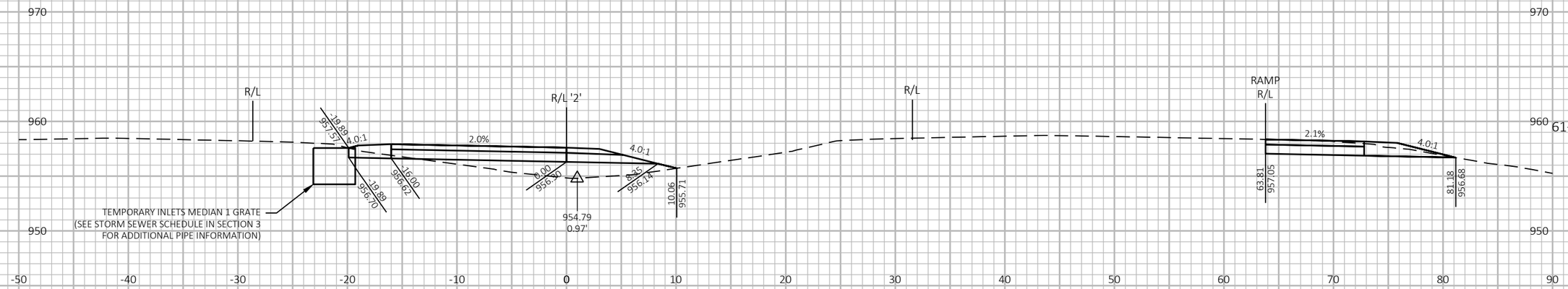


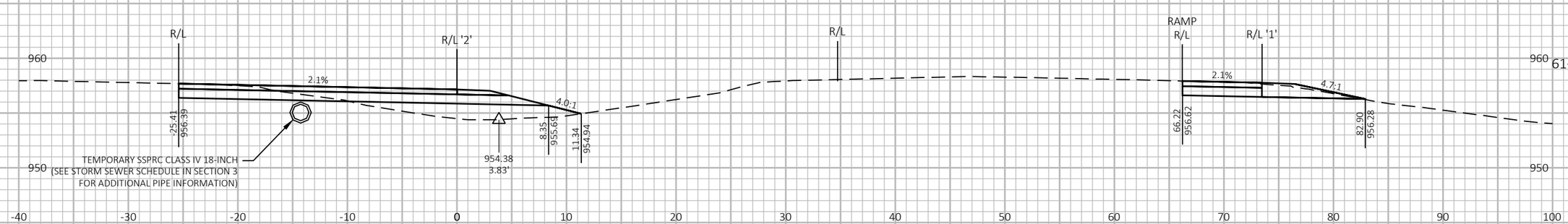
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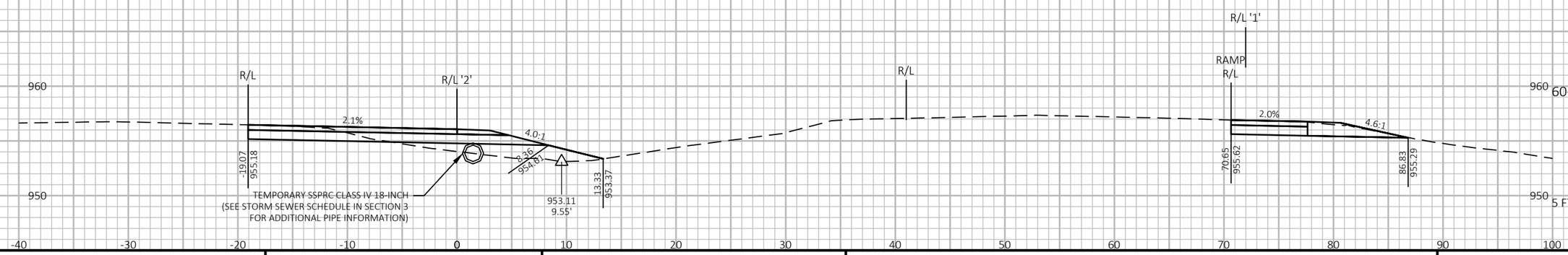
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH B EXIT	SHEET 1347	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090249-XS.DWG
LAYOUT NAME - 01
PLOT DATE : 7/26/2023 4:59 PM
PLOT BY : AUSTIN STRAHL
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 NB/CTH B EXIT CROSSOVER 2 - 'BA2' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH B EXIT	SHEET 1348	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090249-XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/26/2023 4:59 PM

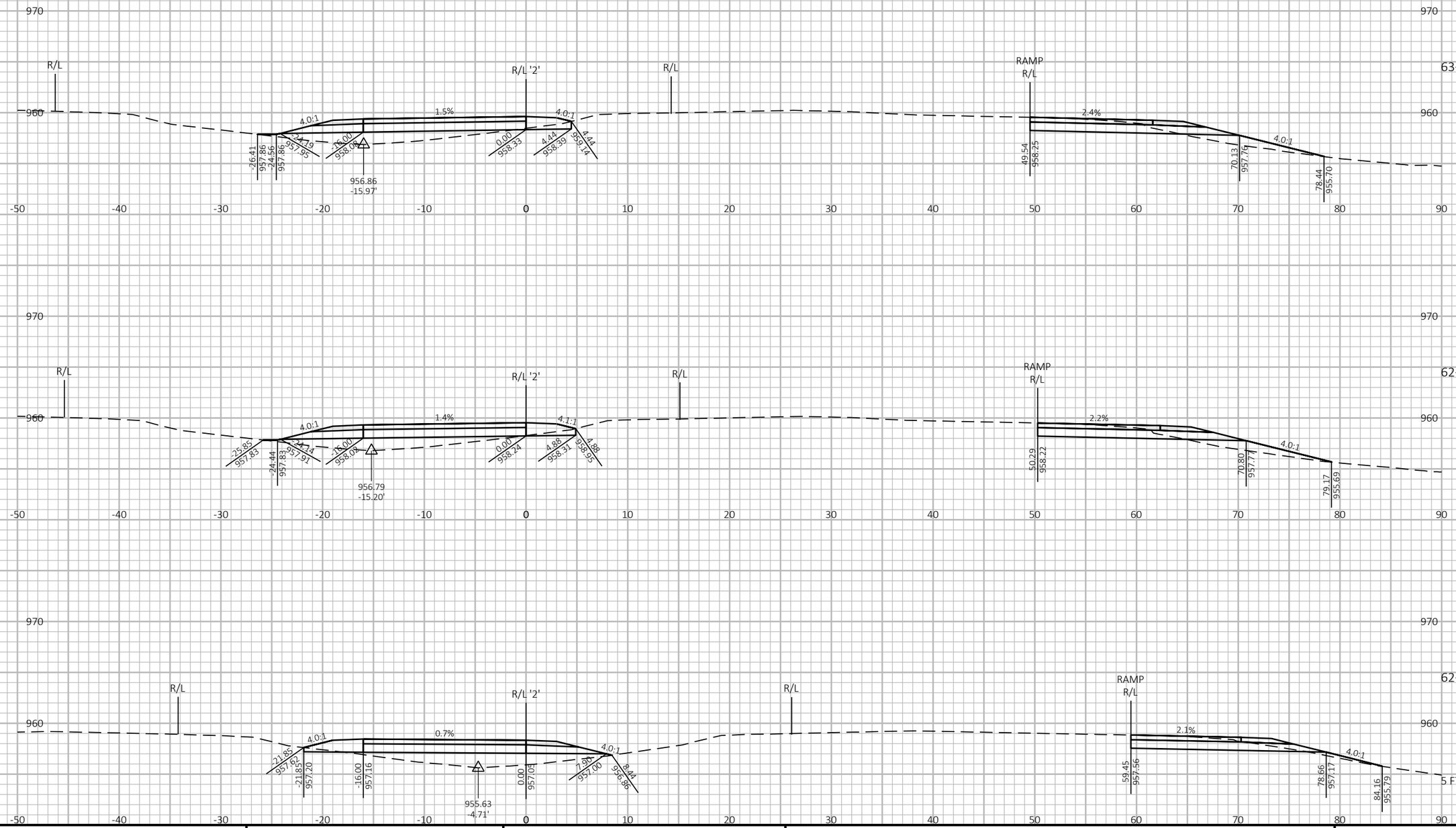
PLOT BY : AUSTIN STRAHL

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 NB/CTH B EXIT CROSSOVER 2 - 'BA2' ALIGNMENT



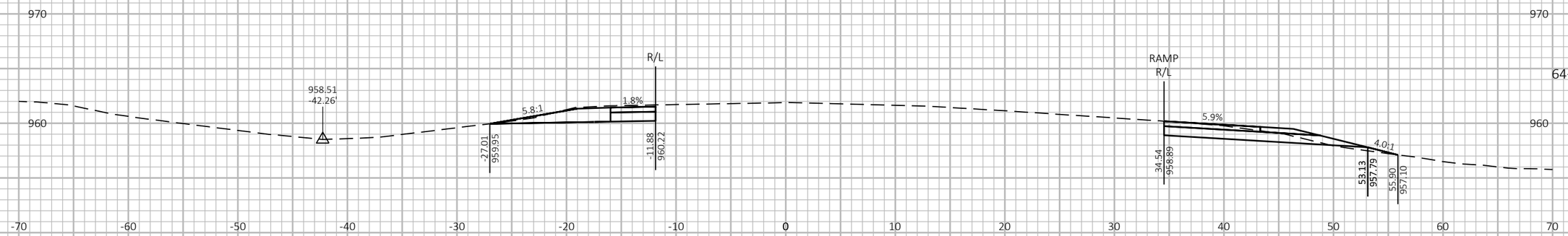
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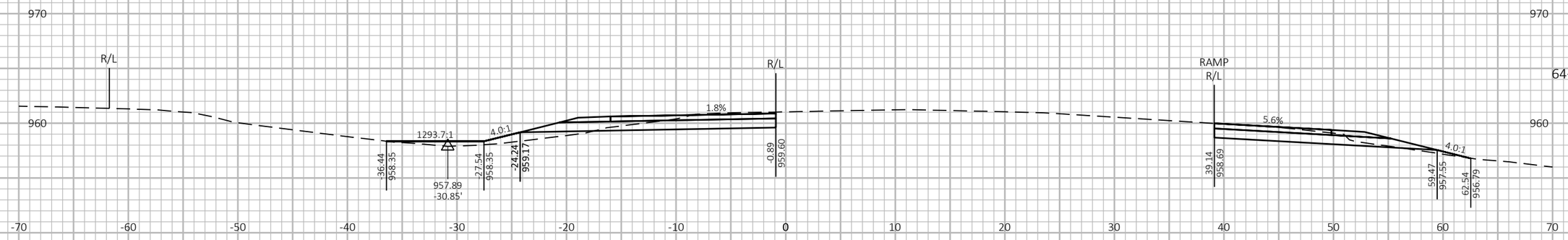
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LAYOUT NAME - 03

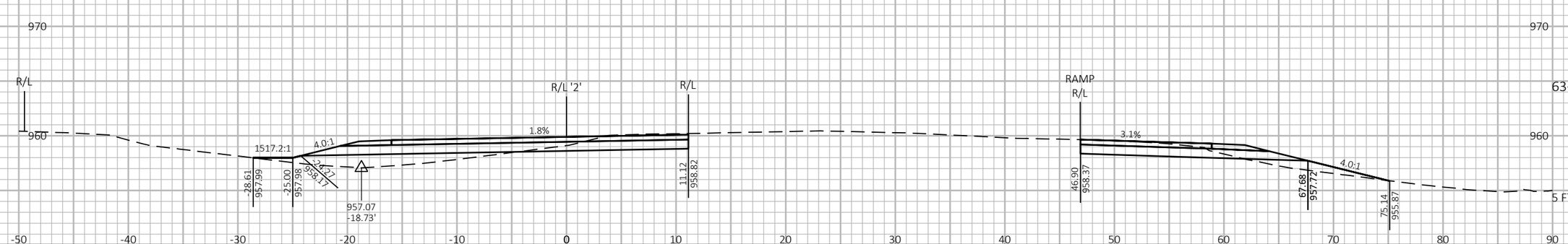
PLOT DATE : 7/26/2023 4:59 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 NB/CTH B EXIT CROSSOVER 2 - 'BA2' ALIGNMENT







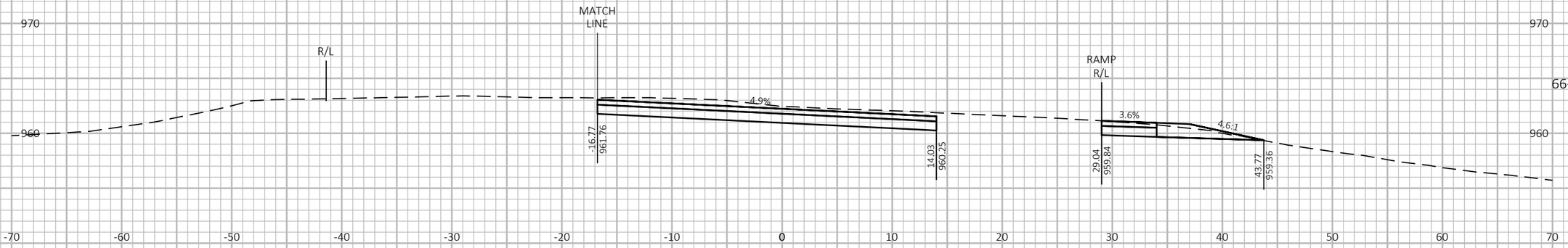
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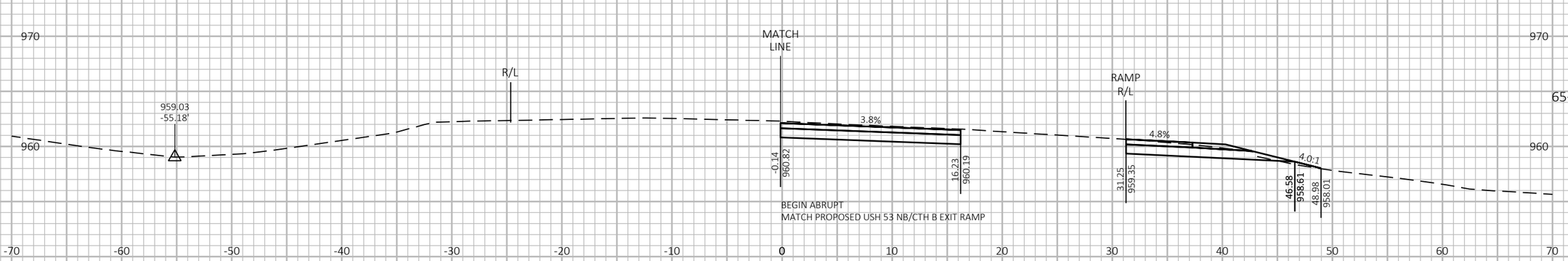
PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH B EXIT	SHEET 1350	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090249-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 7/26/2023 4:59 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 NB/CTH B EXIT CROSSOVER 2 - 'BA2' ALIGNMENT







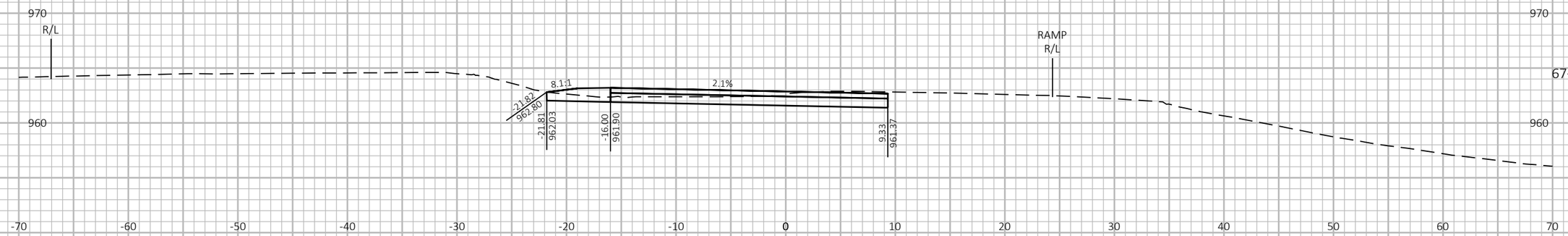
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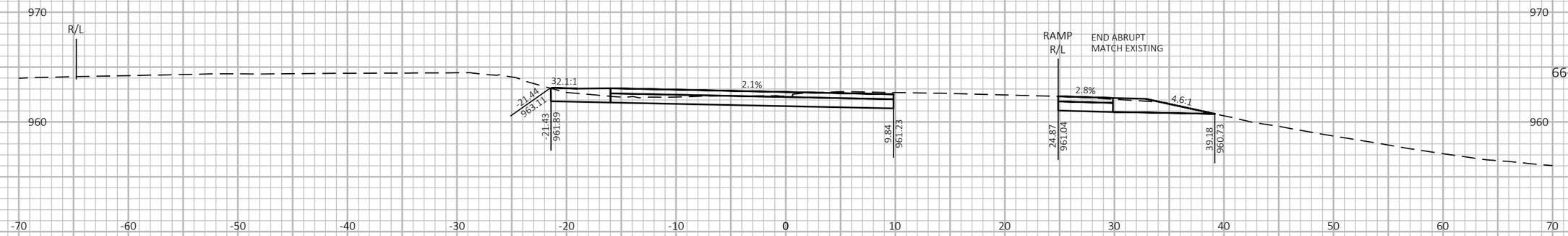
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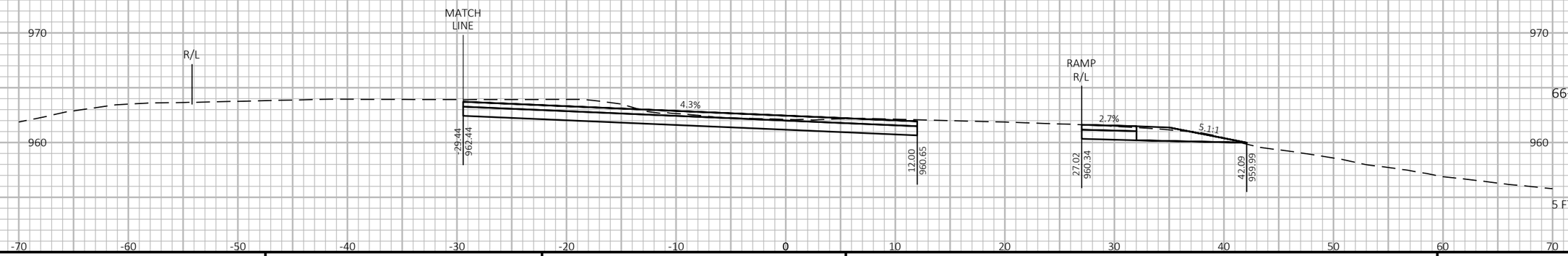
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LAYOUT NAME - 05

PLOT DATE : 7/26/2023 5:00 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 NB/CTH B EXIT CROSSOVER 2 - 'BA2' ALIGNMENT







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PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH B EXIT	SHEET 1352	E

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090249-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/26/2023 5:00 PM

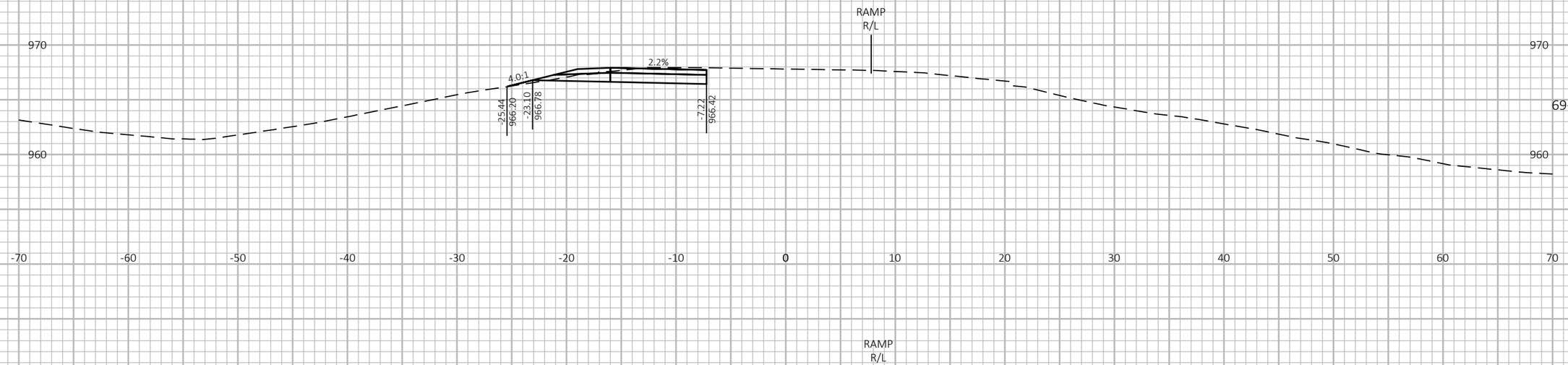
PLOT BY : AUSTIN STRAHL

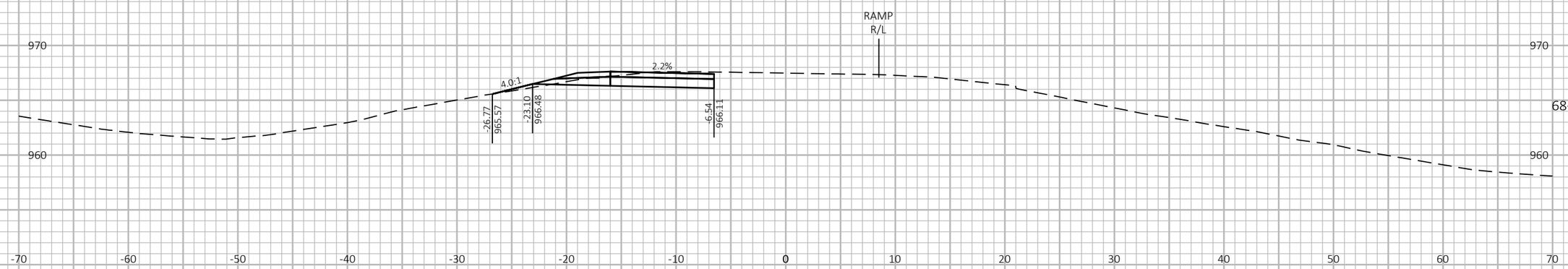
PLOT NAME :

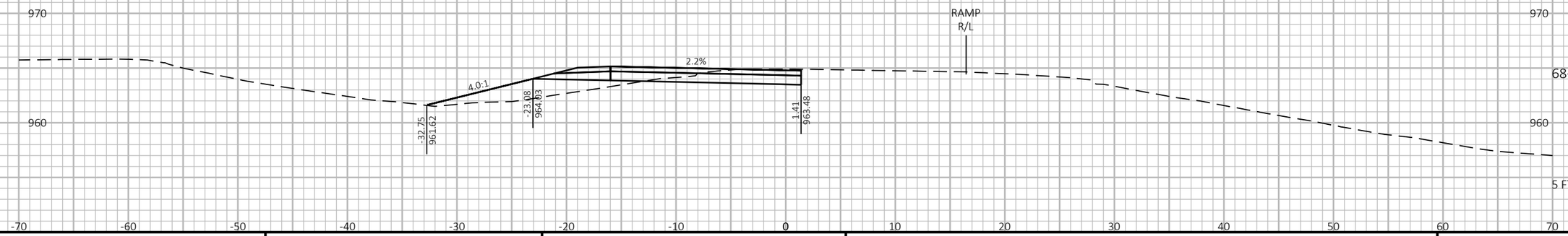
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 NB/CTH B EXIT CROSSOVER 2 - 'BA2' ALIGNMENT







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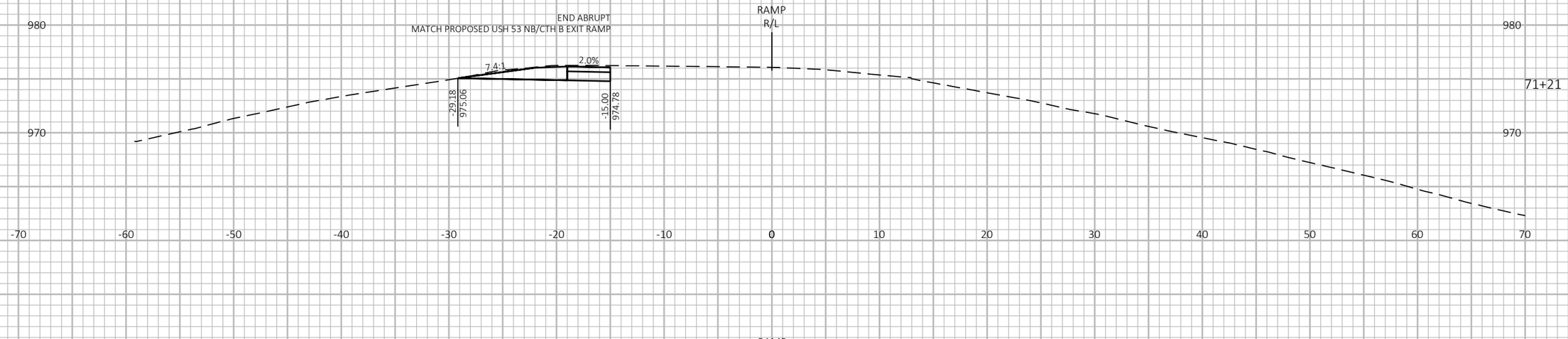
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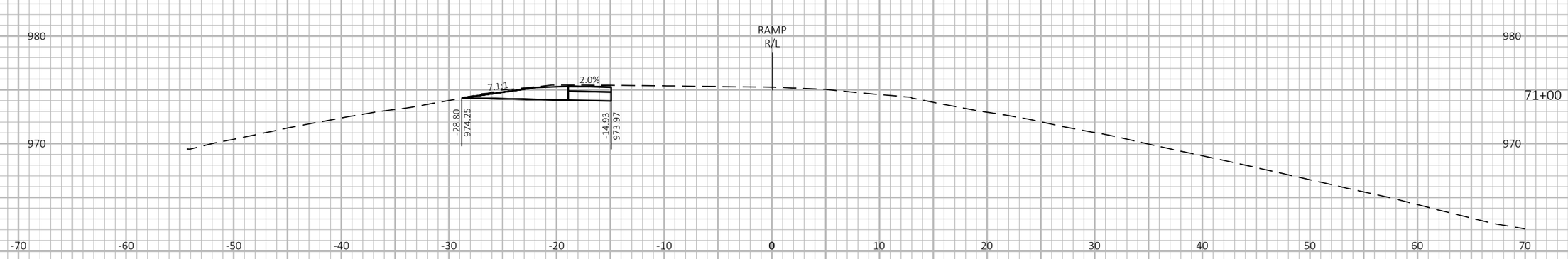
FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090249-XS.DWG
LAYOUT NAME - 07

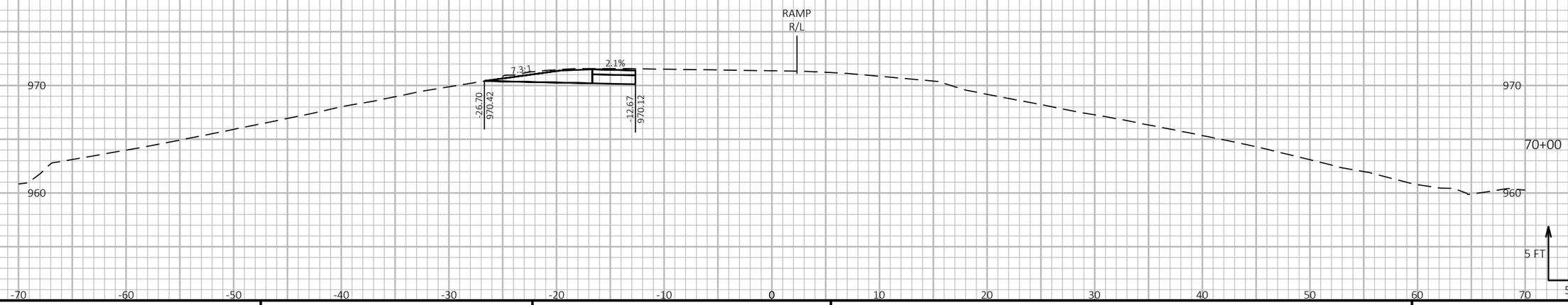
PLOT DATE : 7/26/2023 5:00 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CROSS SECTIONS SHOWN ALONG TEMPORARY
USH 53 NB/CTH B EXIT CROSSOVER 2 - 'BA2' ALIGNMENT







9

PROJECT NO: 1190-08-79	HWY: USH 53	COUNTY: CHIPPEWA	CROSS SECTIONS - TEMP CROSSOVER - USH 53 NB/CTH B EXIT	SHEET 1354	E

9

FILE NAME : P:\51XX\5144.DP.18.USH53.CHI\CADDS\11900879\SHEETSPLAN\090249-XS.DWG
LAYOUT NAME - 08

PLOT DATE : 7/26/2023 5:00 PM PLOT BY : AUSTIN STRAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Notes

Wisconsin Department of Transportation

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