PROJECT ID: **1100-20-71**

WITH: 1100-20-70

COUNTY: **MILWAUKEE**

ORDER OF SHEETS

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

TOTAL SHEETS =



N

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

IH 41 ZOO FREEWAY

CAPITOL DR TO SILVER SPRING DR

IH 41

MILWAUKEE COUNTY

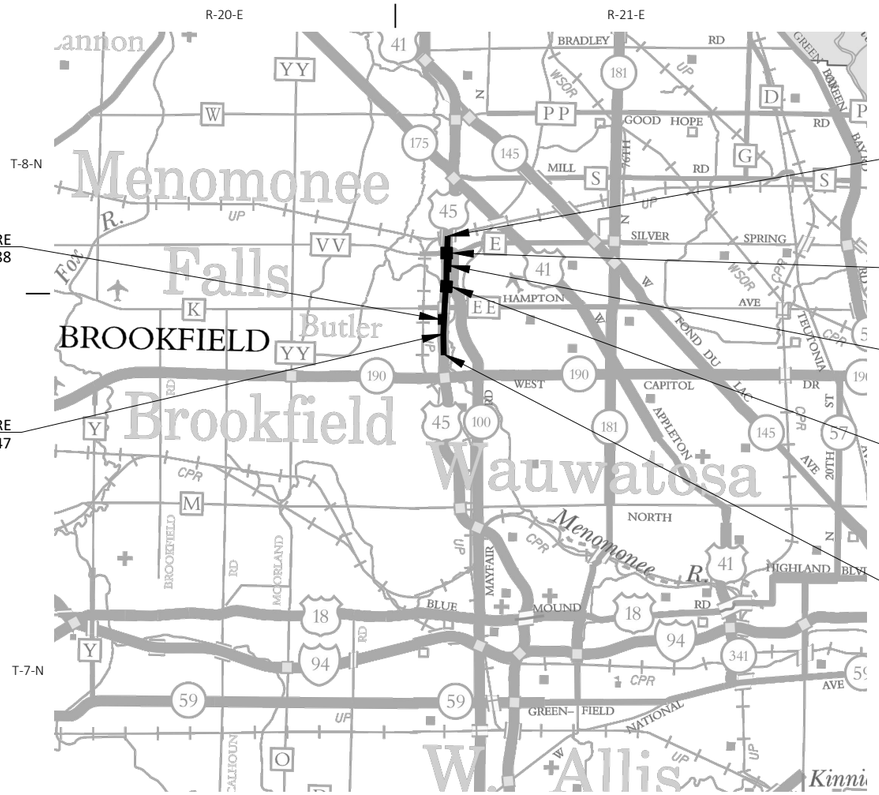
STATE PROJECT NUMBER
1100-20-71

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1100-20-70		
1100-20-71		

DESIGN DESIGNATION			IH 41	HAMPTON AVE	SILVER SPRING DR
A.A.D.T.	2019	=	149,000	19,200 (2020)	29,150 (2020)
A.A.D.T.	2040	=	169,300	21,000	32,000
D.H.V.		=	16,422	-	3,100
D.D.		=	59/41	-	50/50
T.		=	17.1%	-	-
DESIGN SPEED		=	60 MPH	40 MPH	45 MPH
ESALS		=	41,000,000	-	-

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			
SLOPE INTERCEPT		CULVERT (Profile View)	
REFERENCE LINE	300'EB'	UTILITIES	
EXISTING CULVERT		ELECTRIC	E
PROPOSED CULVERT (Box or Pipe)		FIBER OPTIC	FO
COMBUSTIBLE FLUIDS	CAUTION	GAS	G
		SANITARY SEWER	SAN
MARSH AREA		STORM SEWER	SS
		TELEPHONE	T
WOODED OR SHRUB AREA		WATER	W
		UTILITY PEDESTAL	
		POWER POLE	
		TELEPHONE POLE	



LAYOUT

SCALE 0 2 MILES

TOTAL NET LENGTH OF CENTERLINE = 1.998 MILES

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, MILWAUKEE COUNTY, NAD 83 (2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD88 (2012).

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	
Designer	EMMA VINDEDAHL
Project Manager	GEORGIA VERGOU
Regional Examiner	
Regional Supervisor	JOE GALLAMORE

APPROVED FOR THE DEPARTMENT

DATE: _____ _____ (Signature)

PRE_1

E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_010101-TI.DWG PLOT DATE : 9/21/2021 11:09 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME :

UTILITY CONTACTS

ATC MANAGEMENT INC
CHRIS DAILEY
P.O. BOX 47
WAUKESHA, WI 53187
PHONE: 262-506-6844
cdailey@atcllc.com

AT&T LOCAL NETWORK – COMMUNICATION LINE
JENNIFER NAVARRO
13500 WATERTOWN PLANK RD.
SUITE 107
ELM GROVE, WI 53122
PHONE: 414-459-3564
CELL: 414-651-0036
j.navarro@northwindtech.com

AT&T WISCONSIN- COMMUNICATION LINE
MR. JAY BULANEK
2005 PEWAUKEE RD
WAUKESHA, WISCONSIN 53188
PHONE: (262) 896-7669
CELL: (414) 491-2855
jb5175@att.com

CHARTER/ SPECTRUM COMMUNICATIONS – COMMUNICATION LINE
BEAU ABUYA
1320 N MARTIN LUTHER KING JR DR
MILWAUKEE, WI 53212
PHONE: 414-758-9241
beau.abuya@charter.com

NETWORK RELOCATIONS LEVEL 3 COMMUNICATIONS LLC – COMMUNICATION LINE
JASON BUSSE
3235 INTERTECH DR SUITE 600
BROOKFIELD, WI 53045
PHONE: 715-415-3214
jason.busse@centurylink.com

STANDARD ABBREVIATIONS

ABUT.	ABUTMENT
A.D.T.	AVERAGE DAILY TRAFFIC
B.F.	BACK FACE
B.M.	BENCH MARK
B.O.C.	BACK OF CURB
CTR.	CENTER
C.L.	CENTERLINE
D.	LANE DISTRIBUTION
D.H.V.	DESIGN HOURLY VOLUME
DIA.	DIAMETER
DIM.	DIMENSION
EL. OR ELEV.	ELEVATION
EXC.	EXCAVATION
F.F.	FRONT FACE
MAX.	MAXIMUM
MIN.	MINIMUM
NORM.	NORMAL
O.H.	OVERHEAD POWER LINE
P.O.L.	POINT ON LINE
REQ'D	REQUIRED
RDWY.	ROADWAY
R.H.F.	RIGHT HAND FORWARD
S.E.	SUPERELEVATIO0N
SPA.	SPACE
STA.	STATION
SYM.	SYMMETRICAL
T.	PERCENT TRUCKS
TYP.	TYPICAL
V.	DESIGN SPEED

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
REMOVAL PLANS
PLAN DETAILS
EROSION CONTROL
STORM SEWER PLAN
LIGHTING PLAN
TRAFFIC SIGNALS
PAVEMENT MARKINGS
STAGE CONSTRUCTION
ALIGNMENT LAYOUT

GENERAL NOTES

NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. CONTACT SEPARATELY ANY MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE. CONTACT RAILROAD COMPANY SEPARATELY.

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

THE APPROXIMATE LOCATION OF SECTION CORNERS AND WITNESS CORNERS AFFECTED BY THE PROJECT IS SHOWN IN THE PLAN SHEETS. CONTRACTOR MUST CONTACT THE PROJECT ENGINEER AND SEWRPC (ROB MERRY); AT LEAST TWO WEEKS PRIOR TO WORK NEAR ANY PUBLIC SURVEY MONUMENT.

RE-TOPSOIL OF GRADED AREAS, AS DESIGNATED BY THE ENGINEER, IMMEDIATELY AFTER GRADING IS COMPLETED WITHIN THOSE AREAS. SEED, FERTILIZE, AND MULCH/EROSION MAT TOP-SOILED AREAS, AS DESIGNATED BY THE ENGINEER, WITHIN FIVE (5) CALENDAR DAYS AFTER PLACEMENT OF TOPSOIL. IF GRADED AREAS ARE LEFT EXPOSED FOR MORE THAN (14) CALENDAR DAYS, SEED THOSE AREAS WITH TEMPORARY SEED AND MULCH. TOPSOIL, SEEDING AND FERTILIZER ARE INCIDENTAL TO THE BARRIER SYSTEM GRADING SHAPING FINISHING ITEM.

STOCKPILE EXCESS MATERIAL OR SPOILS ON UPLAND AREAS AWAY FROM WETLANDS, FLOODPLAINS AND WATERWAYS. STOCKPILED SOIL SHALL BE PROTECTED AGAINST EROSION. IF STOCKPILED MATERIAL IS LEFT FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, SEED THE STOCKPILE WITH TEMPORARY SEED AND MULCH.

PAVEMENT TYPE	TOTAL LAYER PAVEMENT THICKNESS	LAYERS
4 SMA 58-28V	2"	2" SINGLE LAYER
4 SMA 58-28V	3"	3" SINGLE LAYER
4 SMA 58-28V OVER 3 HT 58-28H	4 1/2"	1 3/4" UPPER LAYER 2 3/4" LOWER LAYER
4 SMA 58-28V OVER 3 HT 58-28H	5"	2" UPPER LAYER 3" LOWER LAYER

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

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

UTILITY CONTACTS

MIDWEST FIBER NETWORKS LLC – COMMUNICATION LINE
BRANDON FOX
6070 N FLINT RD
GLENDALE, WI 53209
PHONE: 414-459-3571
CELL: 414-349-1188
bfox@cablecomllc.com

SPRINT COMMUNICATIONS CO L.P. – COMMUNICATION LINE
DAN HILLIARD
849 EARL ST
ST PAUL, MN 56106
PHONE: 320-281-0187
CELL: 612-217-3526
dan,j,hilliard@t-mobile.com

VERIZON
2400 N GLENVILLE
RICHARDSON, TX 75082
investigations@Verizon.com

WAUWATOSA WATER UTILITY
MR. ADAM FLORIN
11100 W WALNUT RD
WAUWATOSA, WI 53226
PHONE: 414-831-0805
aflorin@Wauwatosa.net

WE ENERGIES - ELECTRICITY
ALEX DANTINNE
500 S 116TH ST
WEST ALLIS, WI 53214
PHONE: 920-621-6903
alex.dantinne@we-energies.com

WE ENERGIES – GAS/PETROLEUM
ALEX DANTINNE
500 S 116TH ST
WEST ALLIS, WI 53214
PHONE: 920-621-6903
alex.dantinne@we-energies.com

WISCONSIN INDEPENDENT NEWORK LLC – COMMUNICATION LINE
JIM BIRKENHEIRER
PHONE: 715-838-4007
jim.birkenheier@wintechnology.com

STATE AGENCIES

WISCONSIN DEPARTMENT OF TRANSPORTATION – COMMUNICATION LINE
MR. JEFF MADSON
433 W ST PAUL AVE STE 300
MILWAUKEE, WI 53203-3007
CELL: (414) 225-3723
Jeffrey.Madson@ dot.wi.gov

WISDOT ATR PULL BOXES - ELECTRICITY
MR. CHAD BIGLER
TRAVEL SURVEY SHOP
3633 PIERSTORFF ST P.O. BOX 2583
MADISON, WI 53704-2583
PHONE: (608) 535-7413
Chad.Bigler@dot.wi.gov

WISCONSIN DEPARTMENT OF TRANSPORTATION – STREET LIGHTING
MR. ERIC PEREA
141 NW BARSTOW STREET
WAUKESHA, WI 53188
PHONE: (262) 574-5422
Eric.Perea@dot.wi.gov

WISCONSIN DEPARTMENT OF TRANSPORTATION
MR. JOE GALLAMORE- PROJECT MANAGER
141 NW BARSTOW ST.
WAUKESHA, WI 53187-0798
PHONE: (414) 548-5601
joe.gallamore@dot.wi.gov

WISCONSIN DEPARTMENT OF TRANSPORTATION – WISCONSIN SIGNAL
MR. DERRIN WOLFORD
141 NW BARSTOW STREET
WAUKESHA, WI 53188
PHONE: (262) 521-4409
Derrin.Wolford@dot.wi.gov

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
MS. KRISTINA BETZOLD
2300 NORTH DR. MARTIN LUTHER KING JR. DRIVE
MILWAUKEE, WI 53212
PHONE: (414) 507-4946
kristina.betzold@wi.gov

OTHER AGENCIES

CITY OF MILWAUKEE – STREET LIGHTING
NEAL KARWEIK
1540 W CANAL ST
MILWAUKEE, WI 53233
PHONE: 414-286-5943
CELL: 414-708-4245
nkarwe@Milwaukee.gov

CITY OF MILWAUKEE - SEWER
MR. SAMIR AMIN
841 N BROADWAY
MILWAUKEE, WI 53202
PHONE: (414) 286-3301
samin@milwaukee.gov

CITY OF MILWAUKEE - CONDUIT
MS. KAREN ROGNEY
841 N BROADWAY
MILWAUKEE, WI 53202
PHONE: (414) 286-3243
krogne@milwaukee.gov

CITY OF MILWAUKEE - WATER
DAVE GOLDAPP
841 N BROADWAY, ROOM 409
MILWAUKEE, WI 53202
PHONE: 414-286-6301
CELL: 414-708-2695
dave.m.goldapp@Milwaukee.gov

MILWAUKEE COUNTY DOT
MR. DANIEL MURPHY
10320 WATERTOWN PLANK ROAD
WAUWATOSA, WI 53226
PHONE: (414) 257-5942
Daniel.Murphy@milwaukeecounty.wi.gov

HIGHWAY MAINTENANCE DIRECTOR MILWUAKEE COUNTY DOT HIGHWAY MAINTENANCE DIVISION
MR. EDUARDO SANTIAGO
10190 W. WATERTOWN PLANK ROAD, 1ST FLOOR
WAUWATOSA, WI 53226
PHONE: (414) 257-4563
Eduardo.Santiago@milwaukeecounty.wi.gov

OTHER AGENCIES

SEWRPC
MR. ROB MERRY
SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMISSION
W239 N1812 ROCKWOOD DRIVE
P.O. BOX 1607
WAUKESHA, WI 53187-1607
PHONE (262)953-4289
CELL (920)912-1036
FAX (262)912-1036
Rmerry@sewrpc.org

JON EDGREN (PUBLIC WORKS DIRECTOR/HIGHWAY COMISSIONER)
OZAUKEE COUNTY HIGHWAY DEPARTMENT
410 S. SPRING ST
P.O. BOX 994
PORT WASHINGTON, WI 53074-0994
PHONE (262)284-8331

MILWAUKEE COUNTY TRANSIT SYSTEM (MCTS)
1942 NORTH 17TH STREET
MILWAUKEE, WI 53205

ARMOND SENSABAUGH
TRANSPORTATION COORDINATOR (DETOURS)
PHONE: (414)343-1728
asensabaugh@mcts.org

DAVID LOCHNER
TRANSPORTATION MANAGER (BUS STOPS)
PHONE: (414)348-1727
dlochner@mcts.org

DIRECTOR OF TRANSPORTATION ENGINEERING COUNTY DOT TRANSPORTATION SERVICES DIVISION
MS. ANDREA WEDDLE-HENNING
10320 W. WATERTOWN PLANK RD., 2ND FLOOR
WAUWATOSA, WI 53226
PHONE(414)257-5934
andrea.weddle-henning@milwaukeecounty.wi.gov

OTHER AGENCIES

CITY OF WAUWATOSA – ROAD FACILITY
MR. WILLIAM WEHRLEY
7725 W. NORTH AVENUE
WAUWATOSA, WI 53213
PHONE: (414) 479-8929
wwehrley@wauwatosa.net

CITY OF WAUWATOSA - SEWER
MR. WILLIAM WEHRLEY
7725 W. NORTH AVENUE
WAUWATOSA, WI 53213
PHONE: (414) 479-8929
wwehrley@wauwatosa.net

CITY OF WAUWATOSA – STREET LIGHTING
MR. RANDY MICHELZ
11100 W WALNUT RD
WAUWATOSA, WI 53226
PHONE: (414) 471-8429
rmichelz@wauwatosa.net

COORDINATOR OF STREET SUPERVISION (ROUTES)
MS. MELANIE FLYNN
PHONE: (414) 343-1764
mflynn@mcts.org

TRANSIT PLANNER (STOPS)
MR. ANDY TILLMAN
PHONE: (414) 343-1728
atillman@mcts.org

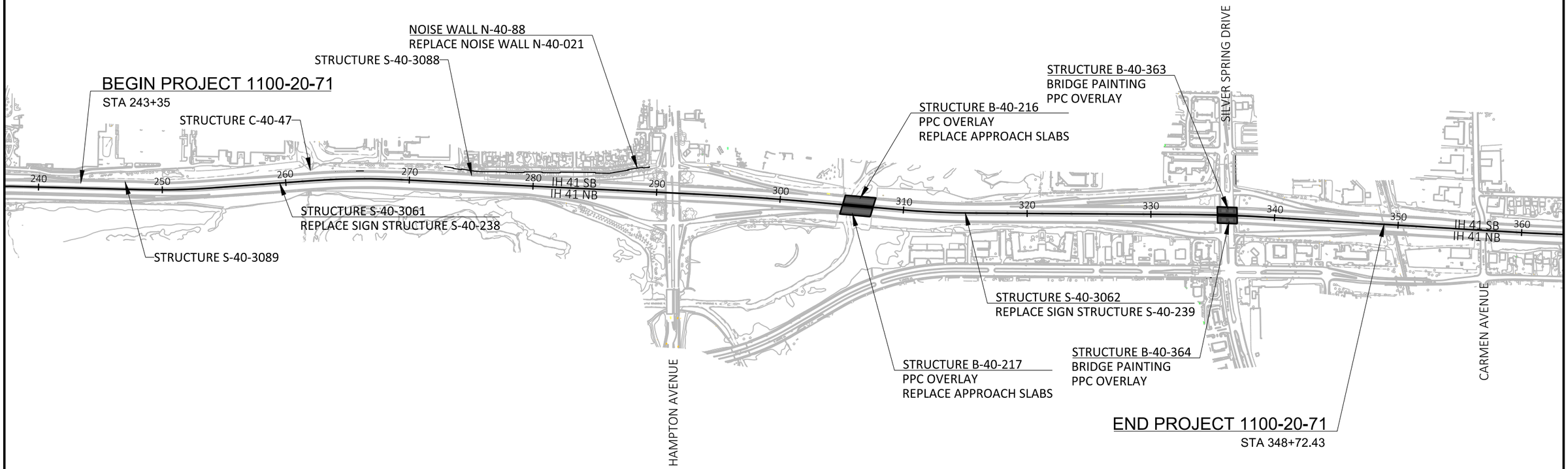
MILWAUKEE METROPOLITAN SEWERAGE DISTRICT - SEWER
MS. MICKI KLAPPA-SULLIVAN
260 SEEBOTH ST
MILWAUKEE, WI 53204
PHONE: (414) 225-2178
mklappasullivan@mmsd.com

2

2

PRIMARY ROADWAY SCOPE:
- ADD SB AUXILIARY LANE FROM CAPITOL DRIVE TO HAMPTON AVENUE
- RESURFACE IH 41 NB & SB MAINLINE
- REHAB FOR SOME OF THE RAMPS ALONG THE CORRIDOR

PRIMARY BRIDGE SCOPE:
- BRIDGE OVERLAYS AND PAINTING
- NOISE WALL REPLACEMENT
- SIGN STRUCTURE REPLACEMENT
- SIGN STRUCTURE ADDITION DUE TO THE AUXILIARY LANE ADDITION

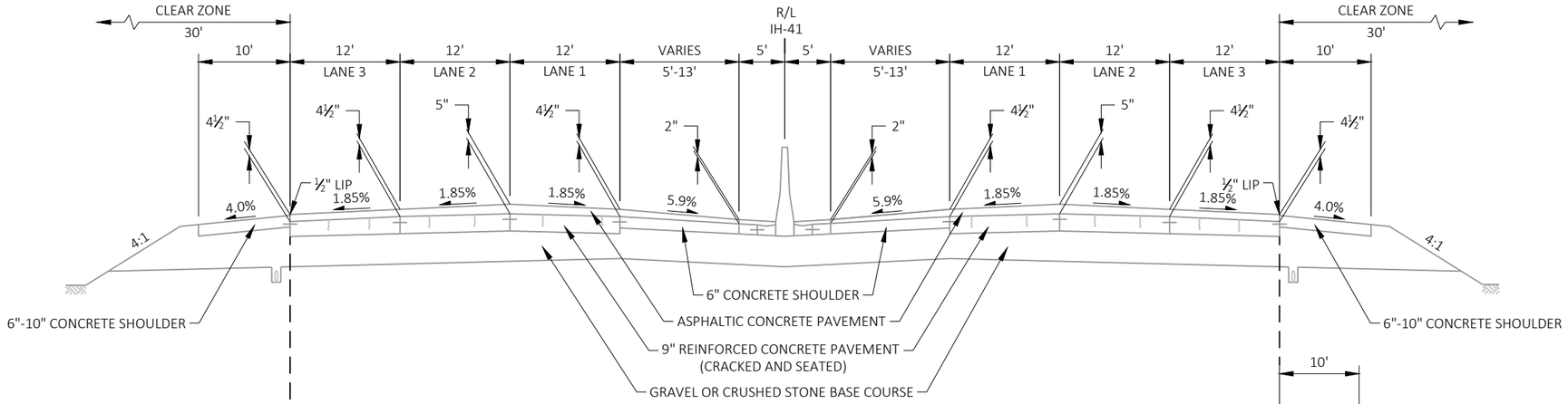


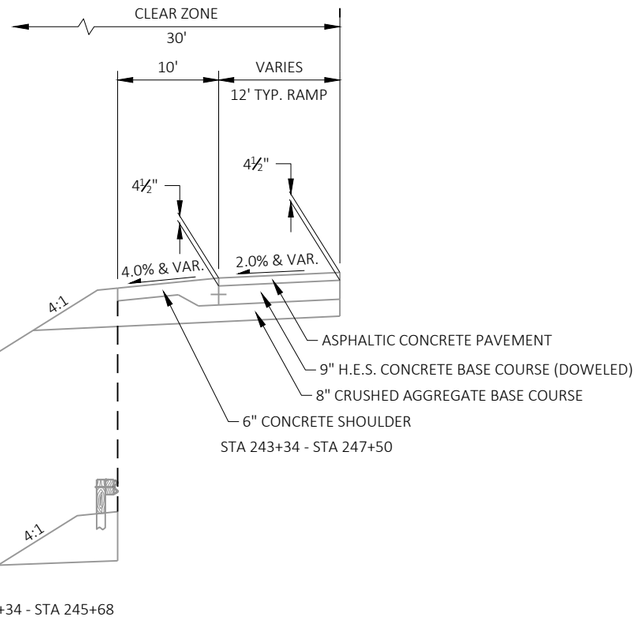
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PROJECT OVERVIEW	SHEET E

PRE_4

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_020201-PO.DWG
LAYOUT NAME - 020201_po
PLOT DATE : 9/21/2021 12:24 PM
PLOT BY : VINDEDAHL, EMMA M
PLOT NAME :
PLOT SCALE : 1 IN: 800 FT
WISDOT/CADDS SHEET 42

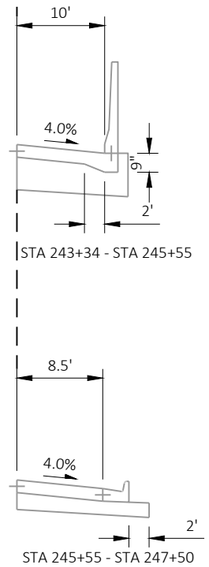
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EXISTING TYPICAL NORMAL SECTION

STA 243+34 - STA 247+50

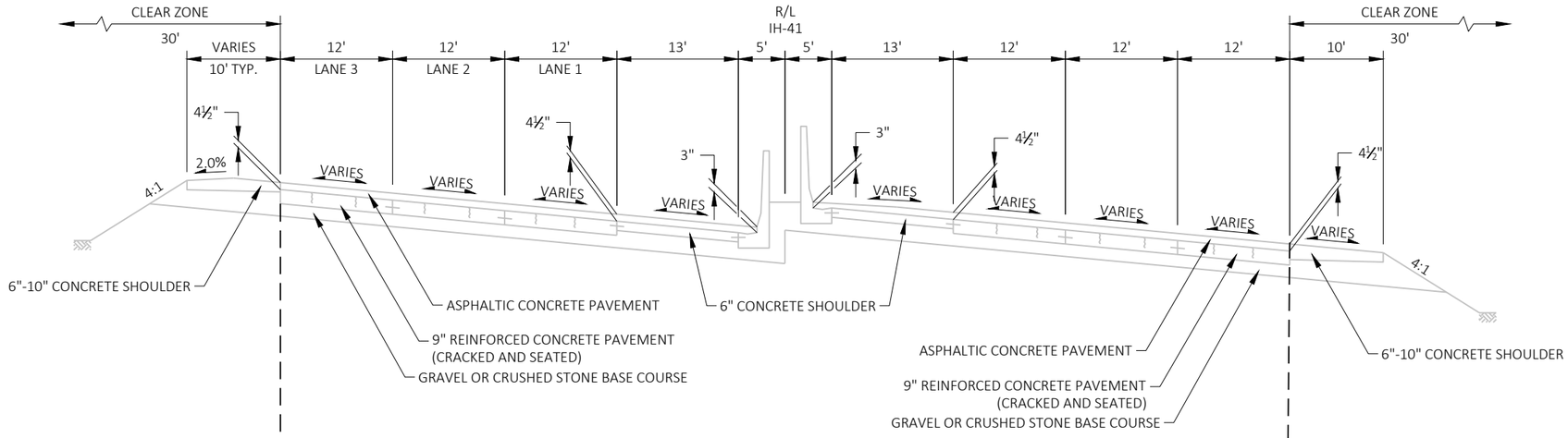


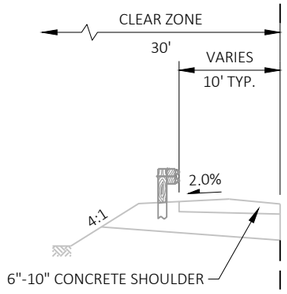
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	EXISTING TYPICAL SECTIONS	SHEET E

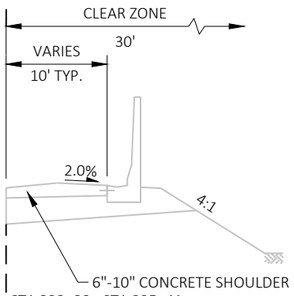
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FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_020301-TS_EXISTING.DWG
LAYOUT NAME - 020301-ts

PLOT DATE : 10/8/2021 9:05 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:15 FT



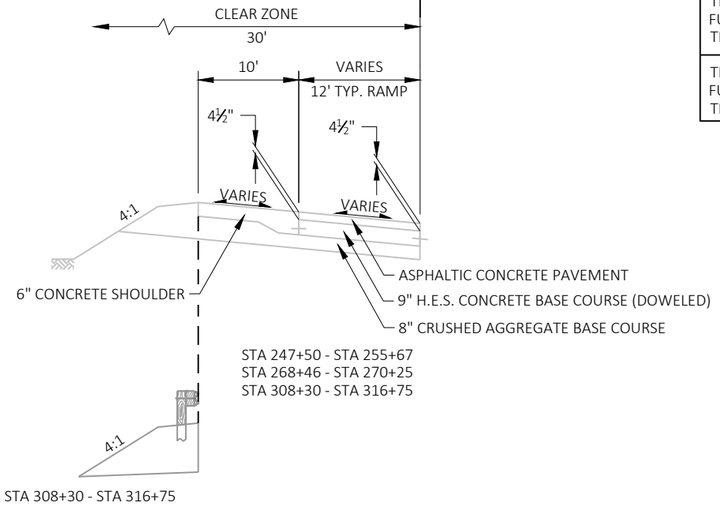


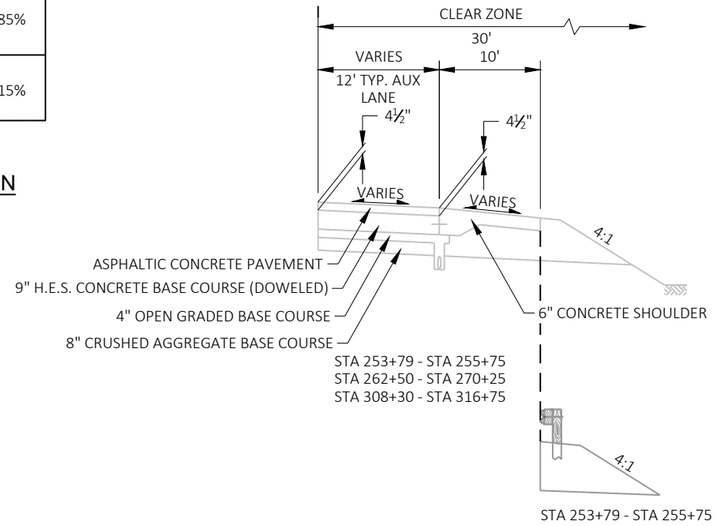


EXISTING SUPERELEVATION:				LANES 1&2	LANE 3
TRANSITION TO SUPER :	247+50	TO	249+50		
FULL SUPER :	249+50	TO	253+75	1.9%	2.25%
TRANSITION TO NORMAL:	253+75	TO	255+75		
TRANSITION TO SUPER :	262+50	TO	262+75		
FULL SUPER :	262+75	TO	270+00	1.9%	1.55%
TRANSITION TO NORMAL:	270+00	TO	270+25		
TRANSITION TO SUPER:	308+30	TO	310+00		
FULL SUPER :	310+00	TO	315+05	1.5%	1.85%
TRANSITION TO NORMAL:	315+05	TO	316+75		
TRANSITION TO SUPER:	332+00	TO	333+50		
FULL SUPER :	333+50	TO	338+50	1.5%	1.15%
TRANSITION TO NORMAL:	338+50	TO	340+00		

EXISTING TYPICAL SUPERELEVATED SECTION

STA 247+50 - STA 255+75
STA 262+50 - STA 270+25
STA 308+30 - STA 316+75
STA 332+00 - STA 335+38
STA 336+97 - STA 340+00

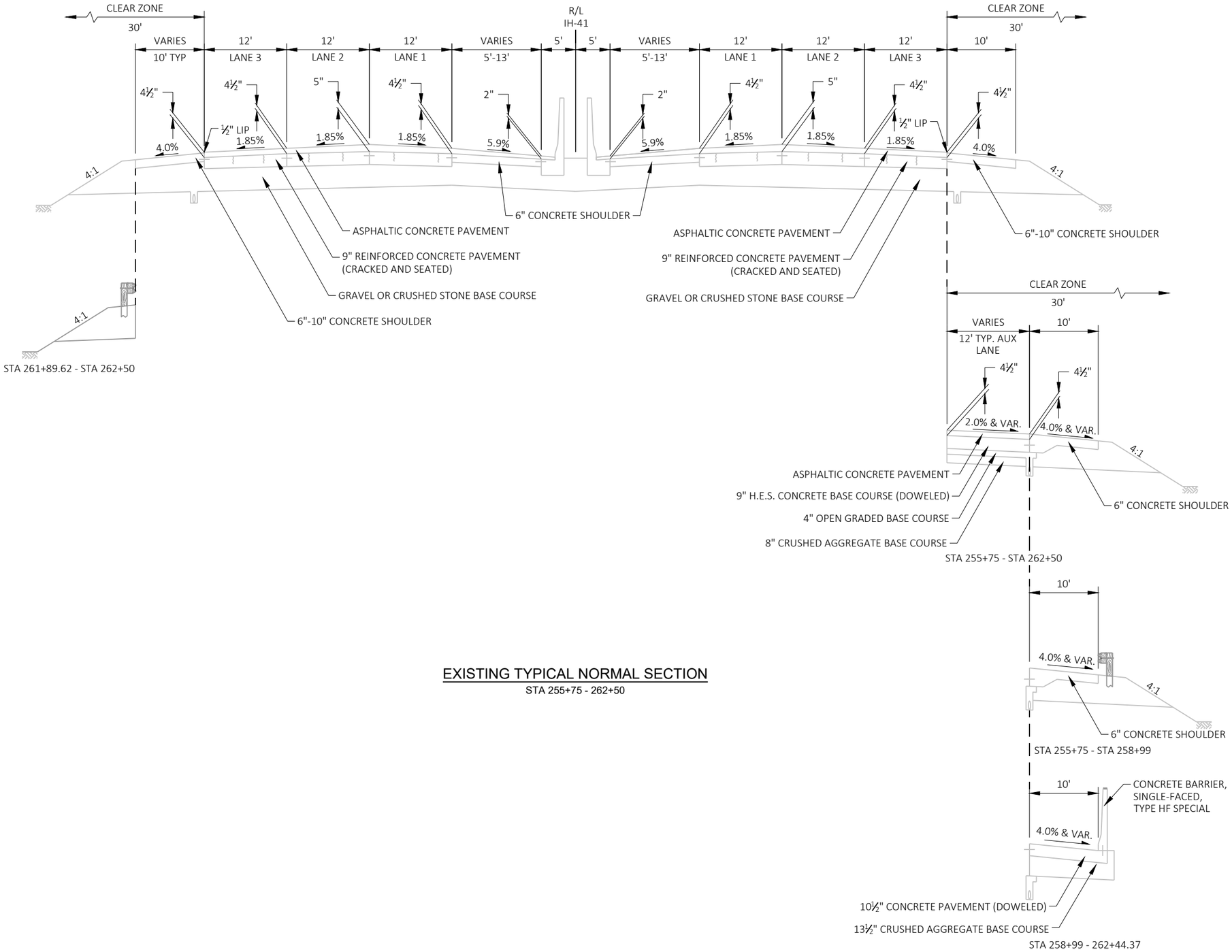




PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	EXISTING TYPICAL SECTIONS	SHEET E

PRE_6

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LAYOUT NAME - 020302-ts
PLOT DATE : 10/8/2021 9:05 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:15 FT



EXISTING TYPICAL NORMAL SECTION

STA 255+75 - 262+50

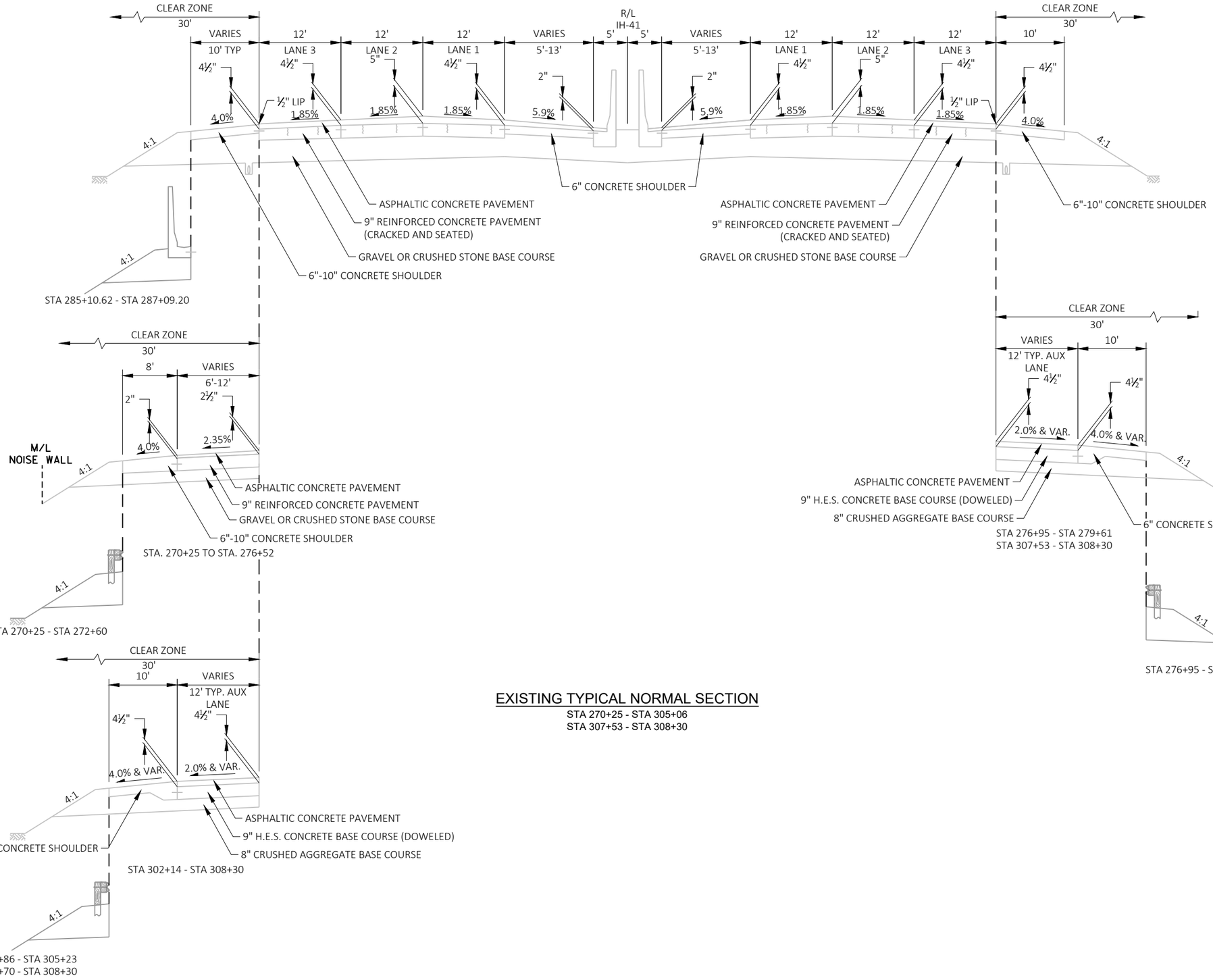
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	EXISTING TYPICAL SECTIONS	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_020301-TS_EXISTING.DWG
LAYOUT NAME - 020303-ts

PLOT DATE : 10/8/2021 9:05 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:15 FT

PRE_7

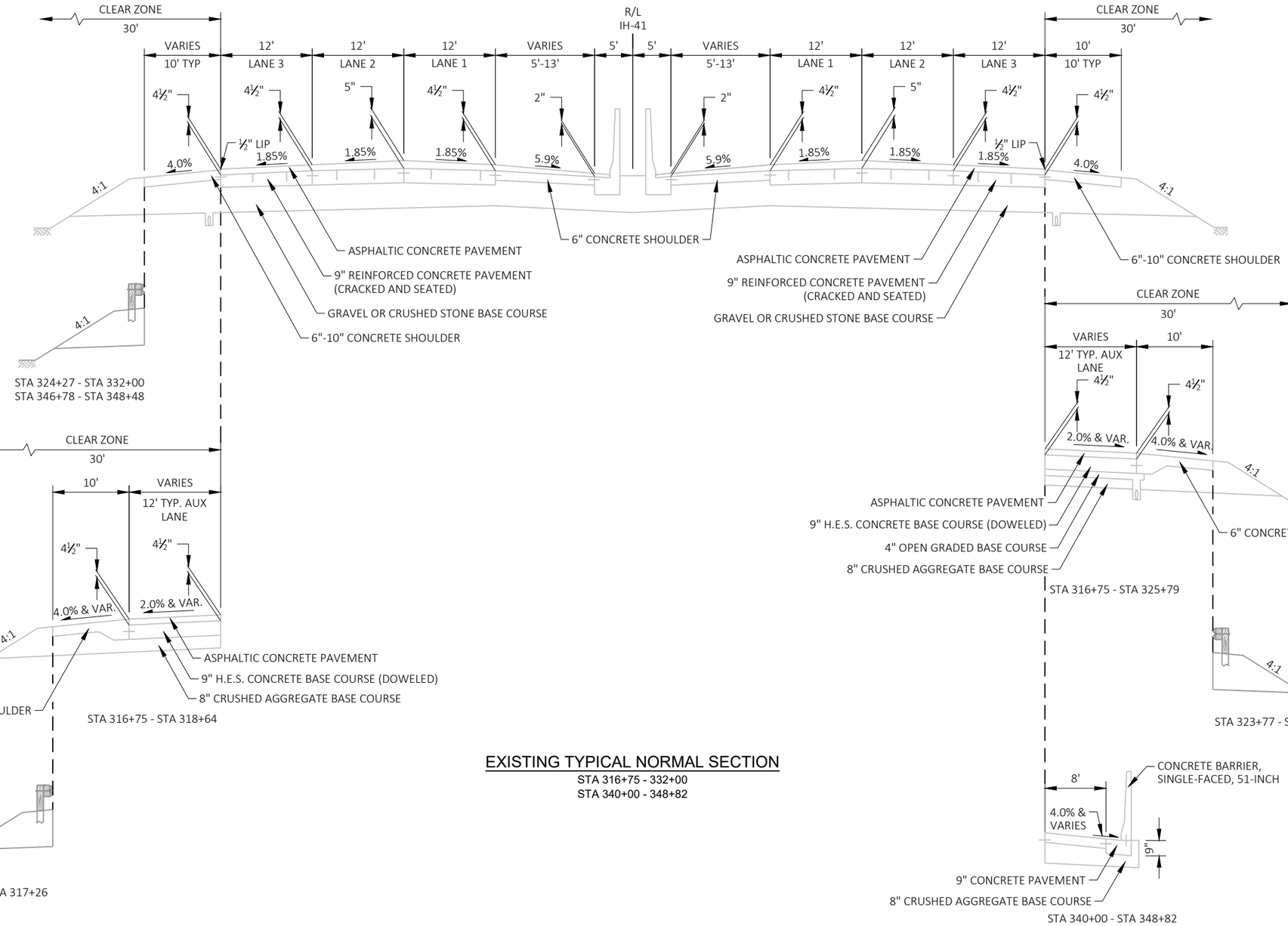
WISDOT/CADDS SHEET 42



EXISTING TYPICAL NORMAL SECTION

STA 270+25 - STA 305+06
STA 307+53 - STA 308+30

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	EXISTING TYPICAL SECTIONS	SHEET E



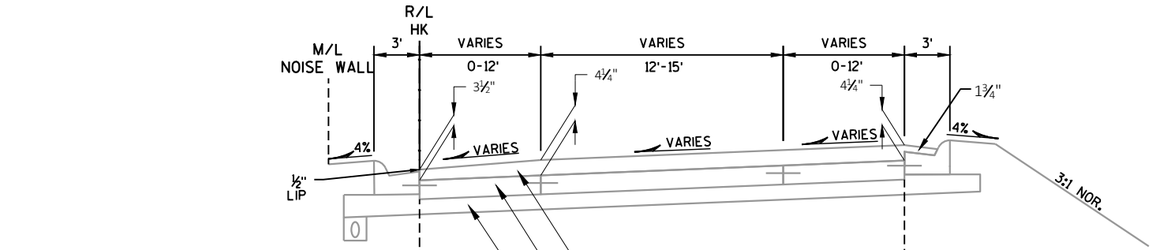
EXISTING TYPICAL NORMAL SECTION

STA 316+75 - 332+00
STA 340+00 - 348+82

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	EXISTING TYPICAL SECTIONS	SHEET PRE_9 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_020301-TS_EXISTING.DWG
LAYOUT NAME - 020305-ts
PLOT DATE : 10/8/2021 9:05 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:15 FT

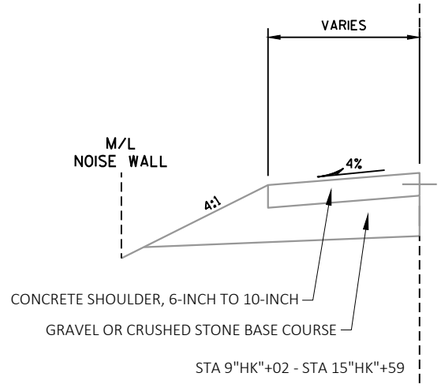
2



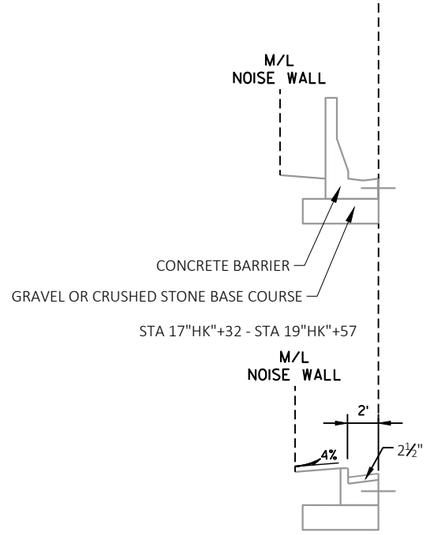
EXISTING TYPICAL SECTION

HAMPTON AVE SB ENTRANCE RAMP

STA 9"HK"+02 - STA 23"HK"+29

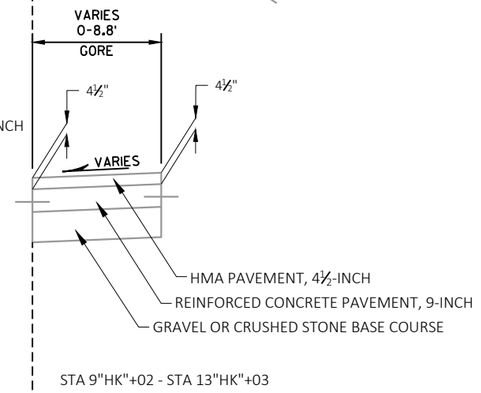


STA 9"HK"+02 - STA 15"HK"+59

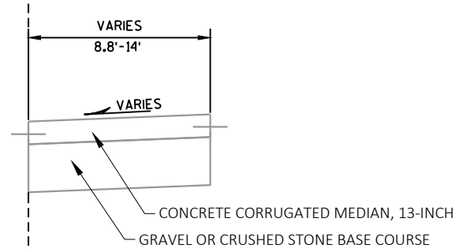


STA 17"HK"+32 - STA 19"HK"+57

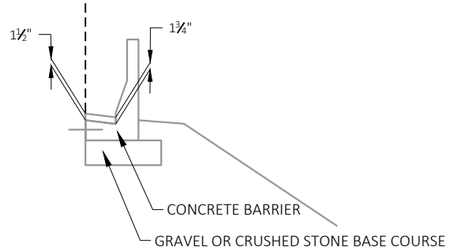
STA 21"HK"+78 - STA 23"HK"+29



STA 9"HK"+02 - STA 13"HK"+03



STA 13"HK"+03 - STA 16"HK"+03

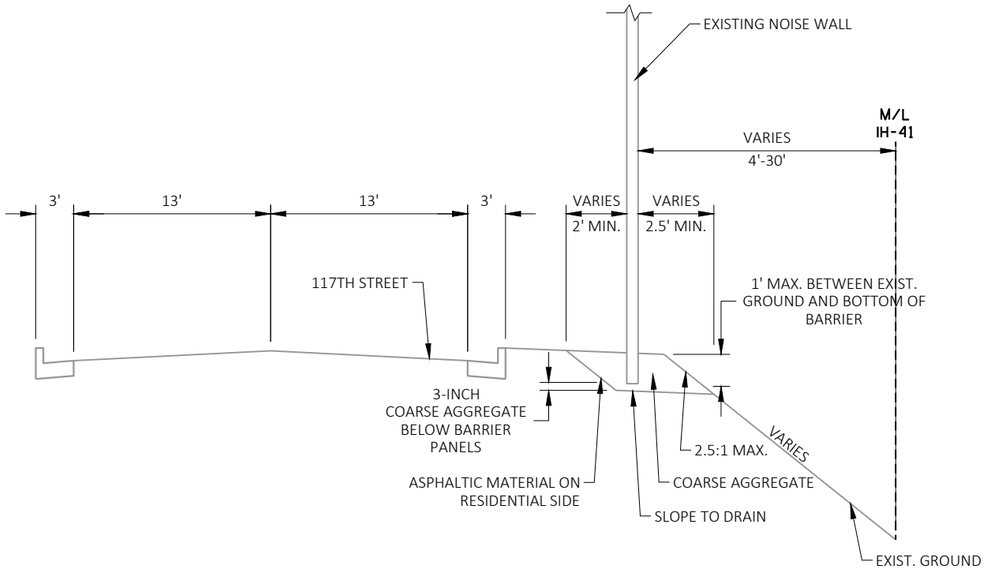


STA 17"HK"+57 - STA 19"HK"+57

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	EXISTING TYPICAL SECTIONS	SHEET PRE_10 E

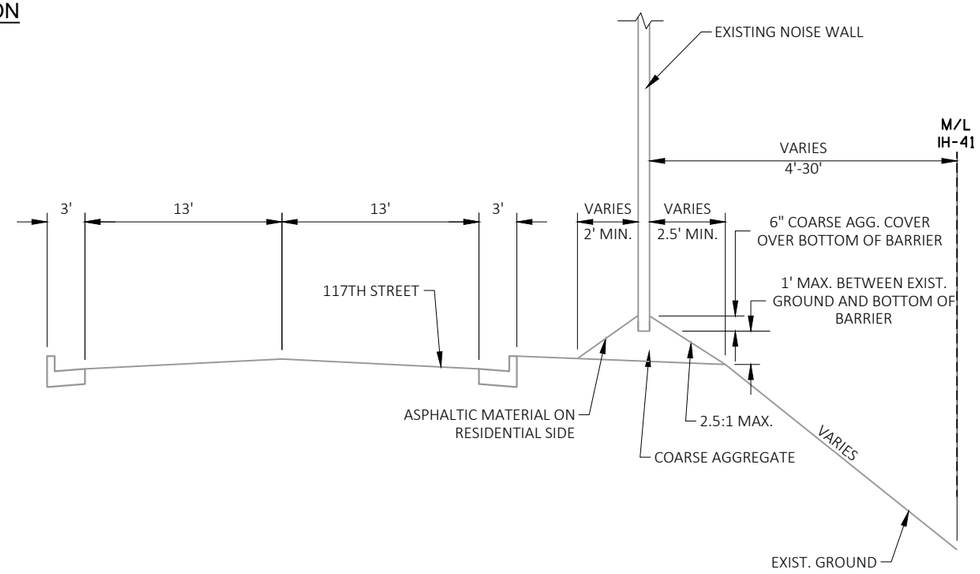
FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_020301-TS_EXISTING.DWG
LAYOUT NAME - 020306-ts

PLOT DATE : 10/8/2021 9:05 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT



EXISTING TYPICAL CUT SECTION

STA 272+69 - STA 276+51



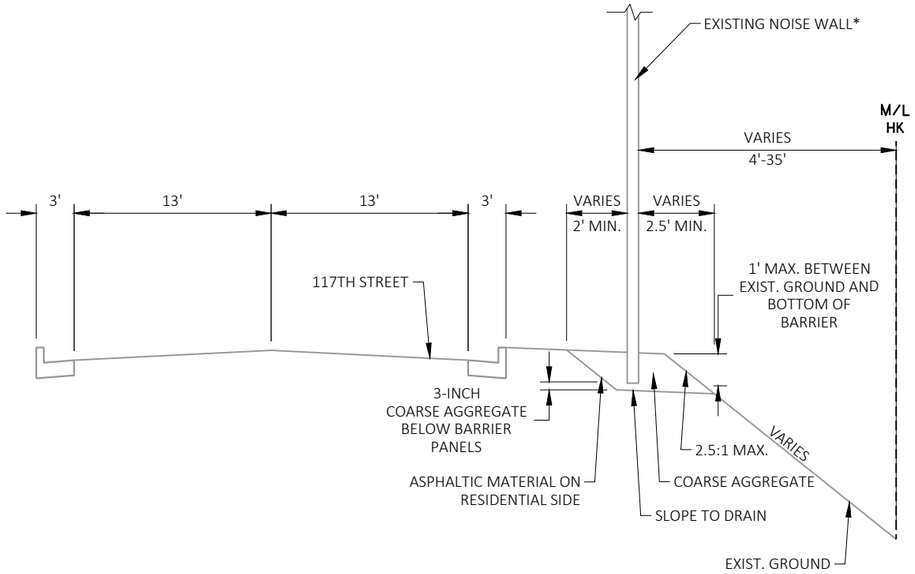
EXISTING TYPICAL FILL SECTION

STA 272+69 - STA 276+51

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	EXISTING TYPICAL SECTIONS	SHEET PRE_11 E

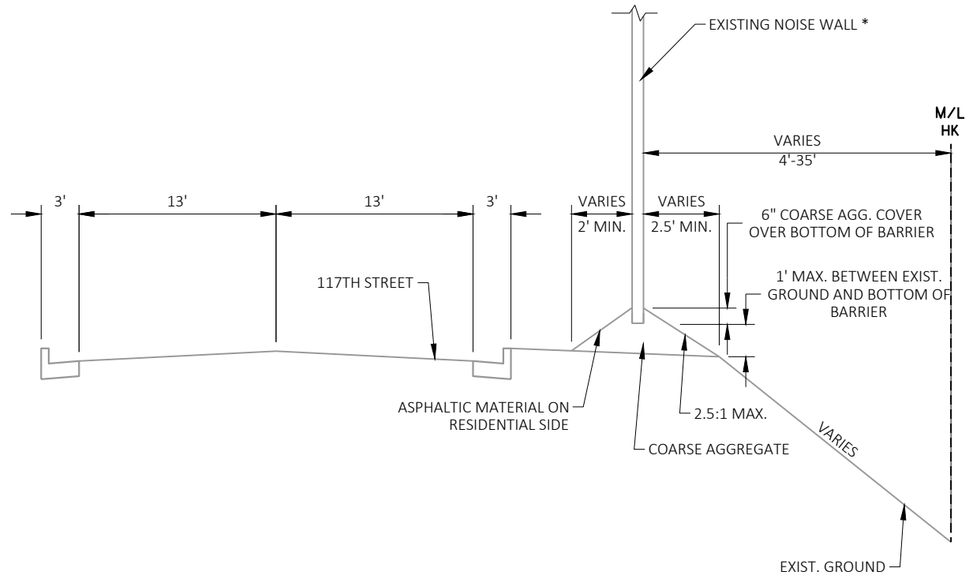
FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_020301-TS_EXISTING.DWG
LAYOUT NAME - 020307-ts
PLOT DATE : 10/8/2021 9:05 AM
PLOT BY : VINDEDAHL, EMMA M
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2



EXISTING TYPICAL CUT SECTION

STA 9"HK"+02 - STA 22"HK"+42



EXISTING TYPICAL FILL SECTION

STA 9"HK"+02 - STA 22"HK"+42

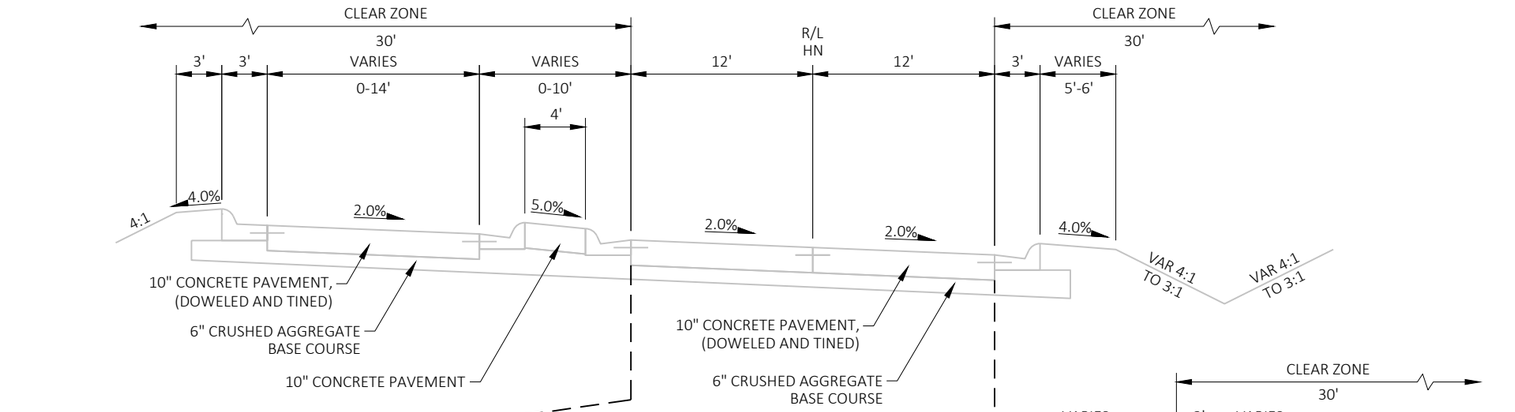
*EXISTING NOISE WALL
ENDS AT STA 21"HK"+90

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	EXISTING TYPICAL SECTIONS	SHEET PRE_12 E

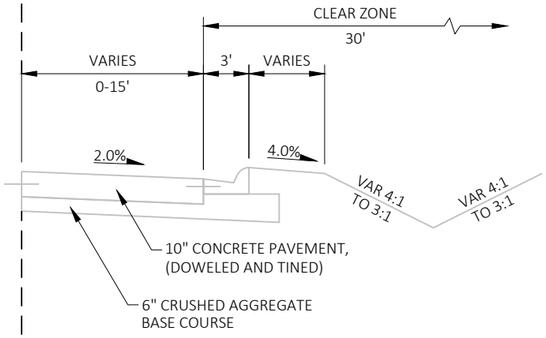
FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_020301-TS_EXISTING.DWG
LAYOUT NAME - 020308-ts

PLOT DATE : 10/8/2021 9:05 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT

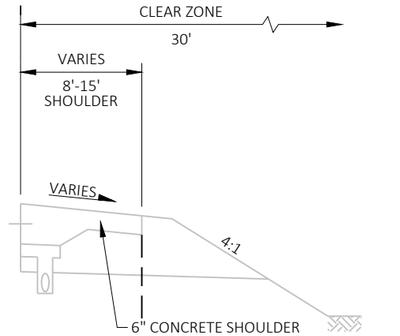
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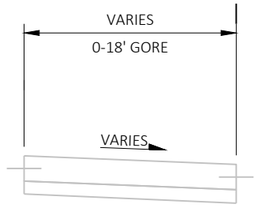
STA 1"HN"+76.95 - STA 2"HN"+52.60



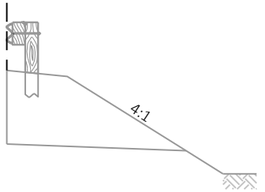
STA 9"HN"+44.75 - STA 9"HN"+90.50



STA 9"HN"+90.50 - STA 14"HN"+88.85



STA 11"HN"+32.95 - STA 14"HN"+89.13



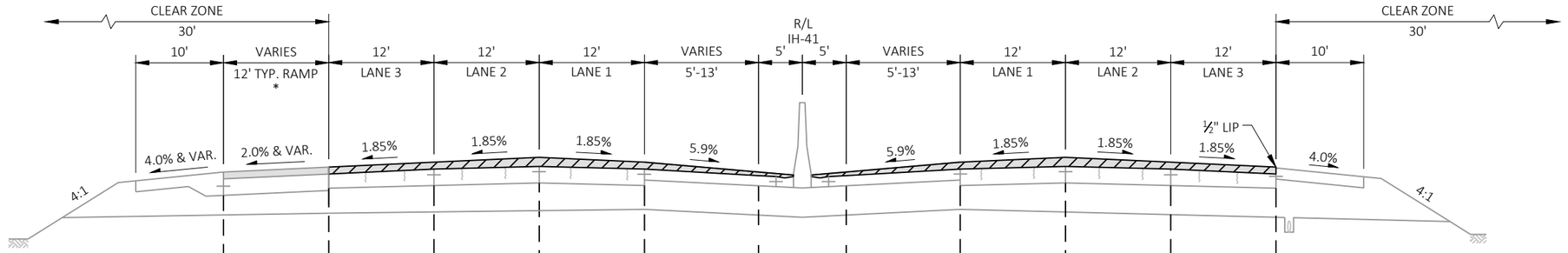
STA 11"HN"+83.40 - STA 14"HN"+67.18

EXISTING TYPICAL SECTION

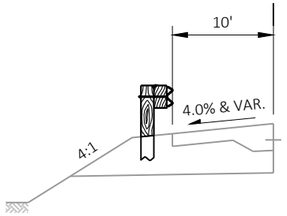
HAMPTON AVE NB ENTRANCE RAMP
STA 1"HN"+76.95 - STA 14"HN"+88.85

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	EXISTING TYPICAL SECTIONS	SHEET PRE_13 E

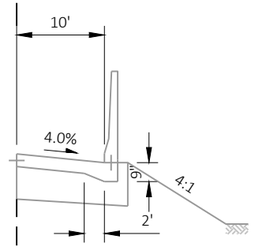
FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_020301-TS_EXISTING.DWG
LAYOUT NAME - 020309-ts
PLOT DATE : 10/8/2021 9:05 AM
PLOT BY : VINDEDAHL, EMMA M
PLOT NAME :
PLOT SCALE : 1 IN:10 FT



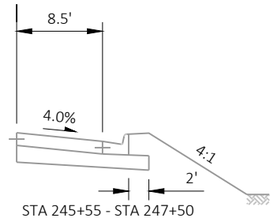
EXISTING ASPHALTIC PAVT DEPTH	4½"	4½"	4½"	5"	4½"	2"	2"	4½"	5"	4½"	4½"
REMOVE ASPHALTIC PAVT MILLING	4½"	4½"	4½"	5"	4½"	2"	2"	4½"	5"	4½"	4½"
REMOVE CONC PAVT PARTIAL DEPTH	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"
HMA, TYPE 3HT 58-28H (LOWER LAYER)	2¾"	2¾"	2¾"	3"	2¾"	0"	0"	2¾"	3"	2¾"	2¾"
HMA, TYPE 4SMA 58-28H (UPPER LAYER)	1¾"	1¾"	1¾"	2"	1¾"	2"	2"	1¾"	2"	1¾"	1¾"



STA 243+34 - STA 247+50



STA 243+34 - STA 245+55



STA 245+55 - STA 247+50

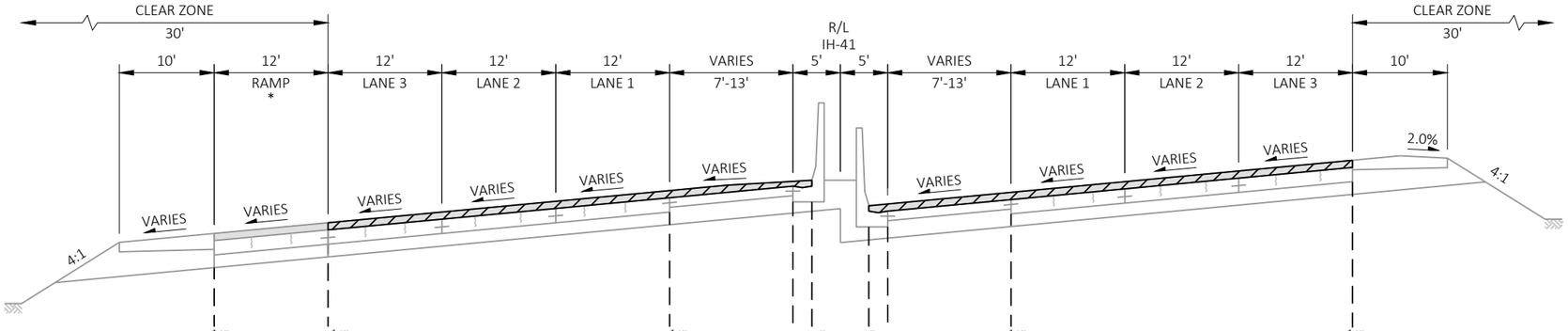
PROPOSED TYPICAL NORMAL SECTION

STA 243+34 - STA 247+50

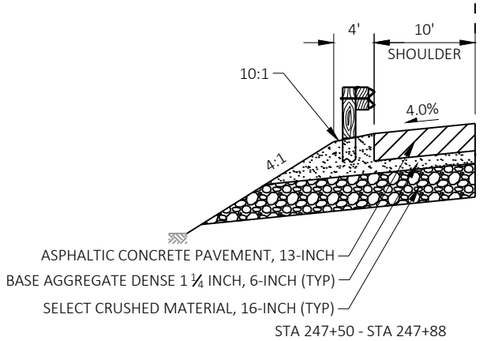
* RAMP WAS RESURFACED IN
PREVIOUS PROJECT 1100-01-77

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PROPOSED TYPICAL SECTIONS	SHEET PRE_14 E

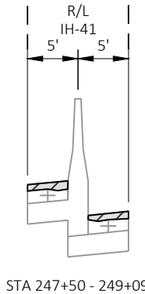
FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_020302-TS_PROPOSED.DWG
LAYOUT NAME - 020301-ts
PLOT DATE : 10/8/2021 9:05 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:15 FT



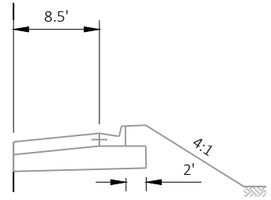
EXISTING ASPHALTIC PAVT DEPTH	4½"	4½"	4½"	3"	3"	4½"	4½"	4½"	4½"	4½"	4½"	4½"
REMOVE ASPHALTIC PAVT MILLING	4½"	4½"	4½"	3"	3"	4½"	4½"	4½"	4½"	4½"	4½"	4½"
REMOVE CONC PAVT PARTIAL DEPTH	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"
HMA, TYPE 3HT 58-28H (LOWER LAYER)	2¾"	2¾"	2¾"	0"	0"	2¾"	2¾"	2¾"	2¾"	2¾"	2¾"	2¾"
HMA, TYPE 4SMA 58-28H (UPPER LAYER)	1¾"	1¾"	1¾"	3"	3"	1¾"	1¾"	1¾"	1¾"	1¾"	1¾"	1¾"



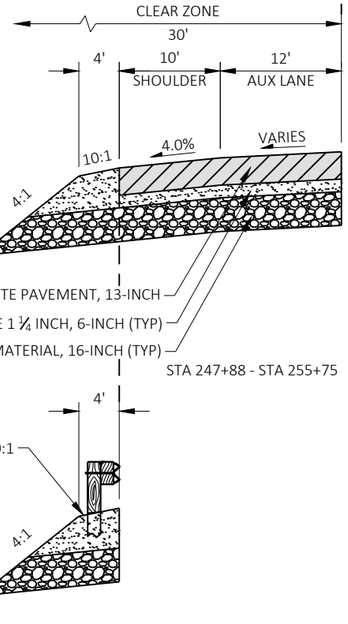
STA 247+50 - STA 247+88



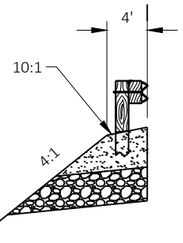
STA 247+50 - 249+09



STA 247+50 - STA 249+81



STA 247+88 - STA 255+75

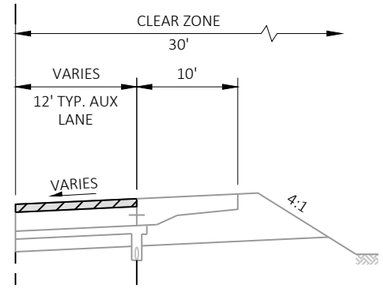


STA 247+88 - STA 248+55

EXISTING SUPERELEVATION:				LANES 1&2	LANE 3	AUX LANE
TRANSITION TO SUPER :	247+50	TO	249+50			
FULL SUPER :	249+50	TO	253+75	1.9%	2.25%	2.0%
TRANSITION TO NORMAL:	253+75	TO	255+75			

PROPOSED TYPICAL SUPERELEVATED SECTION

STA 247+50 - STA 255+75



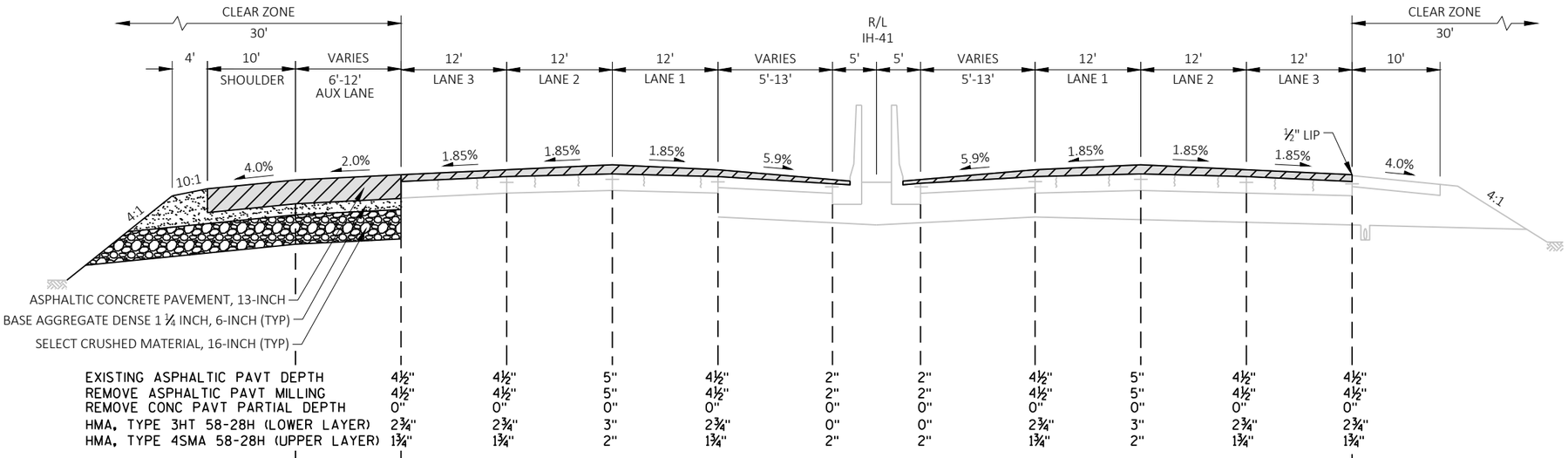
EXISTING ASPHALTIC PAVT DEPTH	4½"	4½"
REMOVE ASPHALTIC PAVT MILLING	4½"	4½"
REMOVE CONC PAVT PARTIAL DEPTH	0"	0"
HMA, TYPE 3HT 58-28H (LOWER LAYER)	2¾"	2¾"
HMA, TYPE 4SMA 58-28H (UPPER LAYER)	1¾"	1¼"

STA 253+79 - STA 255+75

* RAMP WAS RESURFACED IN PREVIOUS PROJECT 1100-01-77

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PROPOSED TYPICAL SECTIONS	SHEET PRE_15 E

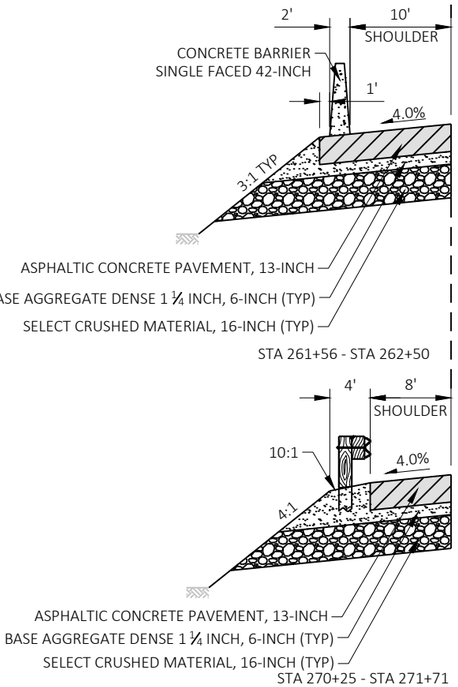
FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_020302-TS_PROPOSED.DWG
LAYOUT NAME - 020302-ts
PLOT DATE : 10/8/2021 9:05 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:15 FT



EXISTING ASPHALTIC PAVT DEPTH	4½"	4½"	5"	4½"	2"	2"	4½"	5"	4½"	4½"
REMOVE ASPHALTIC PAVT MILLING	4½"	4½"	5"	4½"	2"	2"	4½"	5"	4½"	4½"
REMOVE CONC PAVT PARTIAL DEPTH	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"
HMA, TYPE 3HT 58-28H (LOWER LAYER)	2¾"	2¾"	3"	2¾"	0"	0"	2¾"	3"	2¾"	2¾"
HMA, TYPE 4SMA 58-28H (UPPER LAYER)	1¾"	1¾"	2"	1¾"	2"	2"	1¾"	2"	1¾"	1¾"

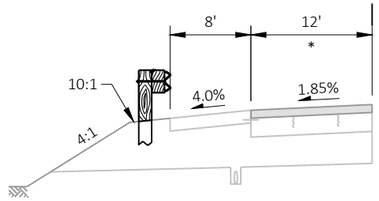
PROPOSED TYPICAL NORMAL SECTION

STA 255+75 - STA 262+50
STA 270+25 - STA 276+52



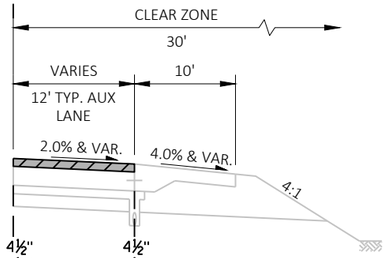
STA 261+56 - STA 262+50

STA 270+25 - STA 271+71



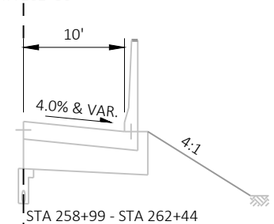
STA 271+71 - STA 276+48

* RAMP WAS RESURFACED IN
PREVIOUS PROJECT 1100-01-77

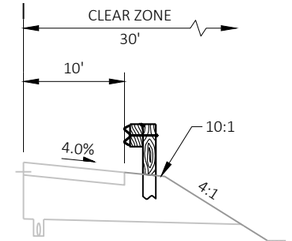


EXISTING ASPHALTIC PAVT DEPTH	4½"	4½"
REMOVE ASPHALTIC PAVT MILLING	4½"	4½"
REMOVE CONC PAVT PARTIAL DEPTH	0"	0"
HMA, TYPE 3HT 58-28H (LOWER LAYER)	2¾"	2¾"
HMA, TYPE 4SMA 58-28H (UPPER LAYER)	1¾"	1¾"

STA 255+75 - STA 262+50

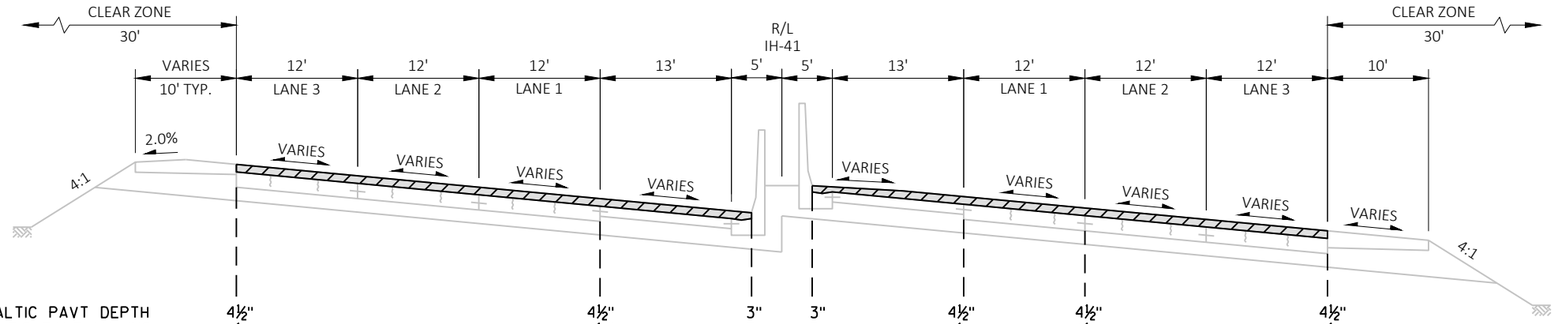


STA 258+99 - STA 262+44

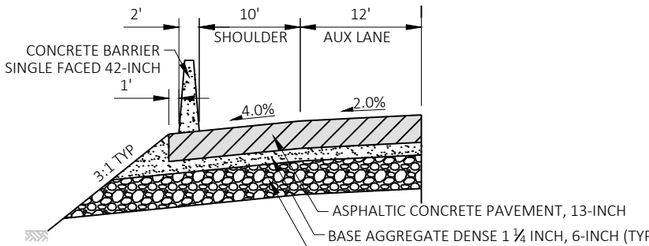


STA 262+44 - STA 262+50

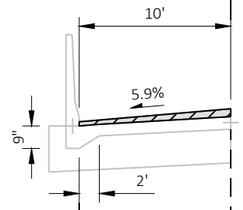
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PROPOSED TYPICAL SECTIONS	SHEET PRE_16 E



EXISTING ASPHALTIC PAVT DEPTH	4½"	4½"	3"	3"	4½"	4½"	4½"
REMOVE ASPHALTIC PAVT MILLING	4½"	4½"	3"	3"	4½"	4½"	4½"
REMOVE CONC PAVT PARTIAL DEPTH	0"	0"	0"	0"	0"	0"	0"
HMA, TYPE 3HT 58-28H (LOWER LAYER)	2¾"	2¾"	0"	0"	2¾"	2¾"	2¾"
HMA, TYPE 4SMA 58-28H (UPPER LAYER)	1¾"	1¾"	3"	3"	1¾"	1¾"	1¾"

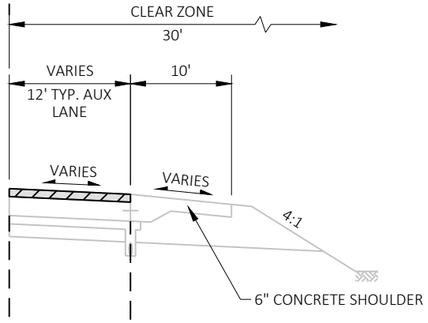


STA 262+50 - STA 263+06



EXISTING ASPHALTIC PAVT DEPTH	2"	4½"
REMOVE ASPHALTIC PAVT MILLING	2"	4½"
REMOVE CONC PAVT PARTIAL DEPTH	0"	0"
HMA, TYPE 3HT 58-28H (LOWER LAYER)	0"	2¾"
HMA, TYPE 4SMA 58-28H (UPPER LAYER)	2"	1¾"

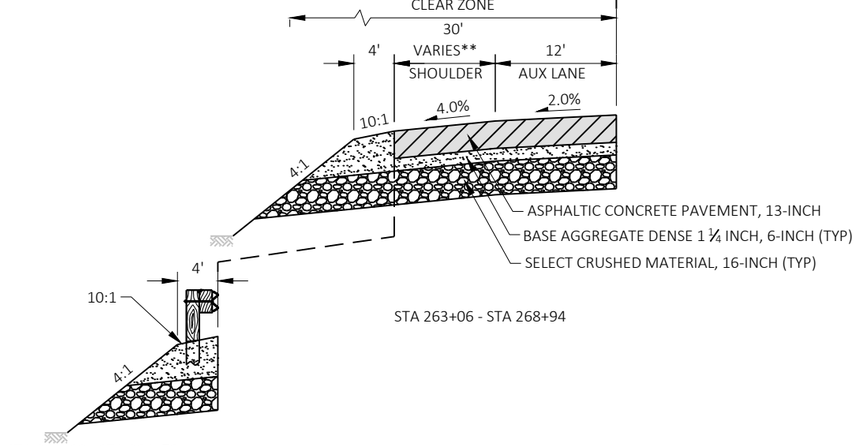
STA 334+31 - STA 335+33
STA 336+94 - STA 337+42



EXISTING ASPHALTIC PAVT DEPTH	4½"	4½"
REMOVE ASPHALTIC PAVT MILLING	4½"	4½"
REMOVE CONC PAVT PARTIAL DEPTH	0"	0"
HMA, TYPE 3HT 58-28H (LOWER LAYER)	2¾"	2¾"
HMA, TYPE 4SMA 58-28H (UPPER LAYER)	1¾"	1¾"

STA 262+50 - STA 270+25
STA 308+30 - STA 316+75*

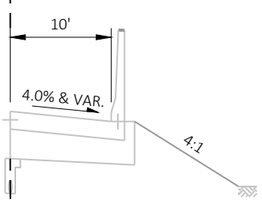
*STA 308+30 - STA 316+75 SHOWN IN SHEET 10 OF PROPOSED TYPICAL SECTIONS.



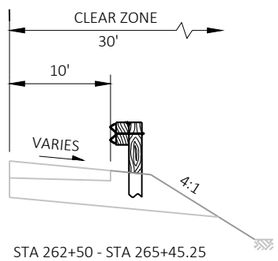
STA 263+06 - STA 268+94

STA 263+10 - STA 264+70
STA 269+36 - STA 270+25

EXISTING SUPERELEVATION:			LANES 1&2	LANE 3	AUX LANE
TRANSITION TO SUPER :	262+50	TO 262+75			
FULL SUPER :	262+75	TO 270+00	1.9%	1.55%	
TRANSITION TO NORMAL:	270+00	TO 270+25			
TRANSITION TO SUPER:	308+30	TO 310+00			
FULL SUPER :	310+00	TO 315+05	1.5%	1.85%	2.0%
TRANSITION TO NORMAL:	315+05	TO 316+75			
TRANSITION TO SUPER:	332+00	TO 333+50			
FULL SUPER :	333+50	TO 338+50	1.5%	1.15%	
TRANSITION TO NORMAL:	338+50	TO 340+00			



STA 337+23 - STA 340+00



STA 262+50 - STA 265+45.25

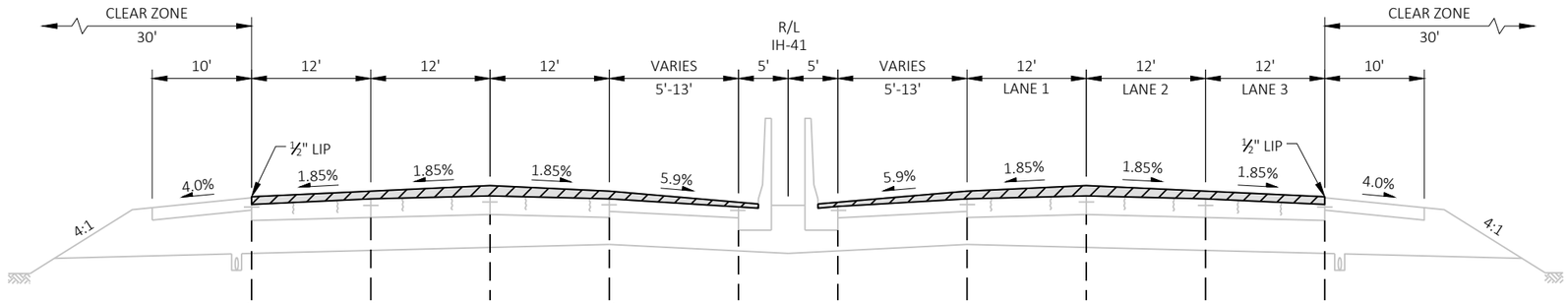
** SHOULDER IS 10' FROM STA 263+06 - STA 268+94
AND 8' FROM STA 268+94 - STA 270+25

PROPOSED TYPICAL SUPERELEVATED SECTION

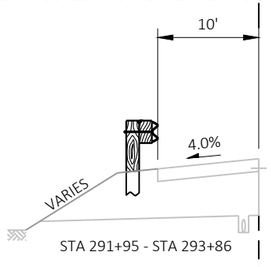
STA 262+50 - STA 270+25
STA 308+30 - STA 316+75
STA 332+00 - STA 340+00

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PROPOSED TYPICAL SECTIONS	SHEET PRE_17 E

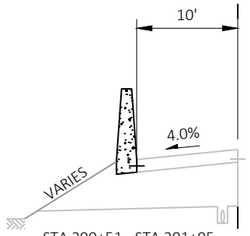
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LAYOUT NAME - 020304-ts
PLOT DATE : 10/8/2021 9:05 AM
PLOT BY : VINDEDAHL, EMMA M
PLOT NAME :
PLOT SCALE : 1 IN:15 FT
WISDOT/CADDS SHEET 42



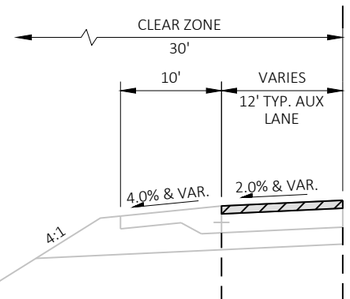
EXISTING ASPHALTIC PAVT DEPTH	4½"	4½"	5"	4½"	2"	2"	4½"	5"	4½"	4½"
REMOVE ASPHALTIC PAVT MILLING	4½"	4½"	5"	4½"	2"	2"	4½"	5"	4½"	4½"
REMOVE CONC PAVT PARTIAL DEPTH	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"
HMA, TYPE 3HT 58-28H (LOWER LAYER)	2¾"	2¾"	3"	2¾"	0"	0"	2¾"	3"	2¾"	2¾"
HMA, TYPE 4SMA 58-28H (UPPER LAYER)	1¾"	1¾"	2"	1¾"	2"	2"	1¾"	2"	1¾"	1¾"



STA 291+95 - STA 293+86

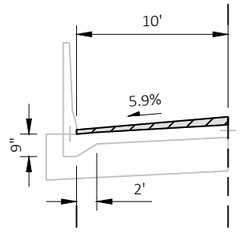


STA 290+51 - STA 291+95



EXISTING ASPHALTIC PAVT DEPTH	4½"	4½"
REMOVE ASPHALTIC PAVT MILLING	4½"	4½"
REMOVE CONC PAVT PARTIAL DEPTH	0"	0"
HMA, TYPE 3HT 58-28H (LOWER LAYER)	2¾"	2¾"
HMA, TYPE 4SMA 58-28H (UPPER LAYER)	1¾"	1¾"

STA 302+14 - STA 305+20
STA 307+67 - STA 318+64

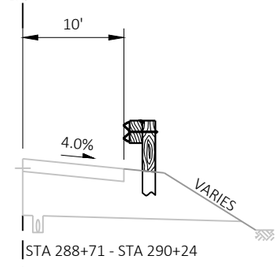


EXISTING ASPHALTIC PAVT DEPTH	2"	4½"
REMOVE ASPHALTIC PAVT MILLING	2"	4½"
REMOVE CONC PAVT PARTIAL DEPTH	0"	0"
HMA, TYPE 3HT 58-28H (LOWER LAYER)	0"	2¾"
HMA, TYPE 4SMA 58-28H (UPPER LAYER)	2"	1¾"

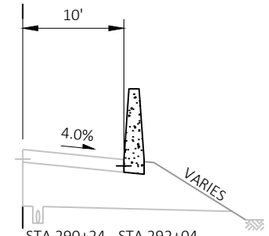
STA 304+14 - STA 304+86
STA 307+65 - STA 307+88

PROPOSED TYPICAL NORMAL SECTION

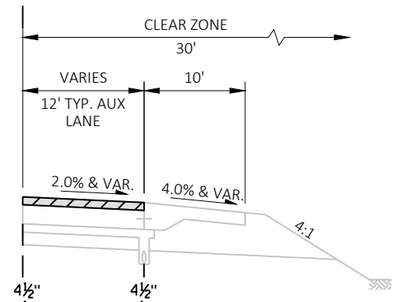
STA 276+52 - STA 308+30
STA 316+75 - STA 332+00
STA 340+00 -STA 348+82



STA 288+71 - STA 290+24



STA 290+24 - STA 292+04



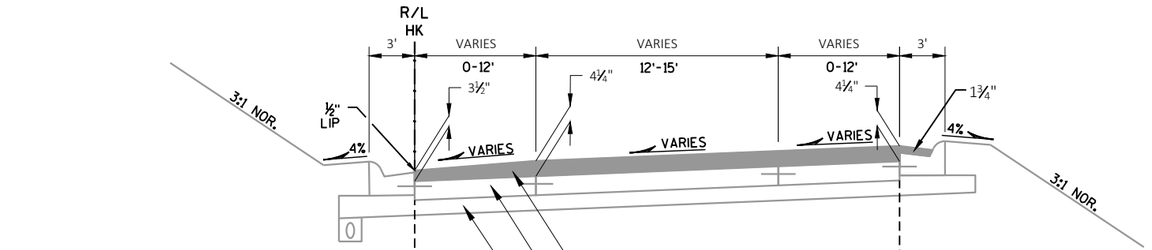
EXISTING ASPHALTIC PAVT DEPTH	4½"	4½"
REMOVE ASPHALTIC PAVT MILLING	4½"	4½"
REMOVE CONC PAVT PARTIAL DEPTH	0"	0"
HMA, TYPE 3HT 58-28H (LOWER LAYER)	2¾"	2¾"
HMA, TYPE 4SMA 58-28H (UPPER LAYER)	1¾"	1¾"

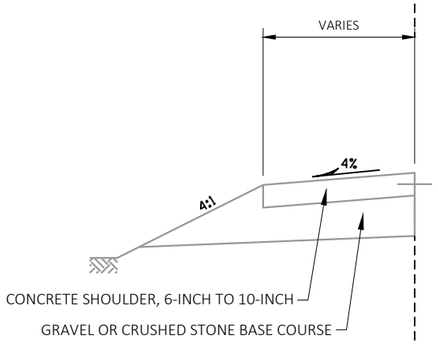
STA 276+52 - STA 279+41
STA 307+40 - STA 325+79*

*STA 307+40 - STA 325+79 SHOWN IN SHEET 6 OF PROPOSED TYPICAL SECTIONS.

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PROPOSED TYPICAL SECTIONS	SHEET E

2



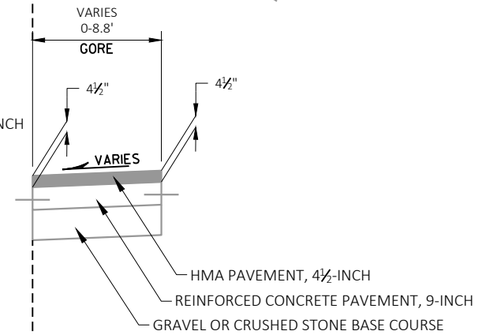


STA 9"HK"+02 - STA 15"HK"+59

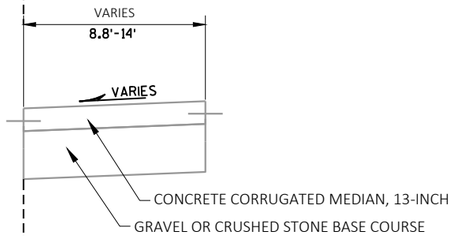
PROPOSED TYPICAL SECTION

HAMPTON AVE SB ENTRANCE RAMP

STA 9"HK"+02 - STA 23"HK"+29



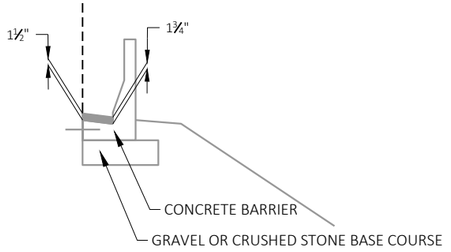
STA 9"HK"+02 - STA 13"HK"+03



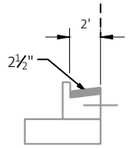
STA 13"HK"+03 - STA 16"HK"+03

SEE SHEET 8 OF PROPOSED TYPICAL SECTIONS

STA 17"HK"+00 - STA 22"HK"+42



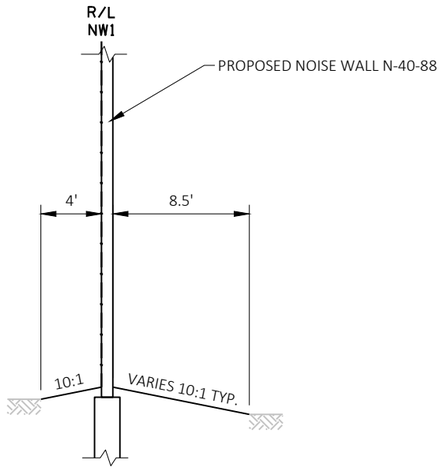
STA 17"HK"+57 - STA 19"HK"+57



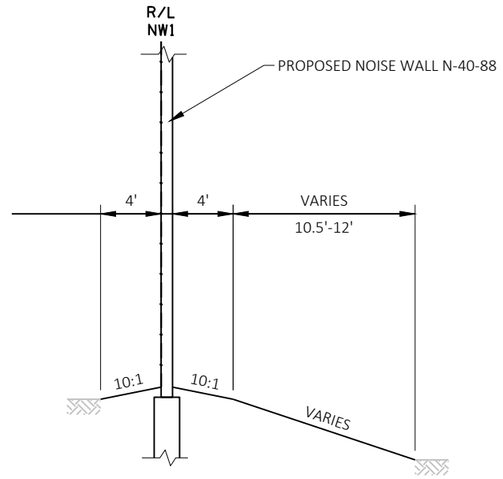
STA 22"HK"+42 - STA 23"HK"+29

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PROPOSED TYPICAL SECTIONS	SHEET E

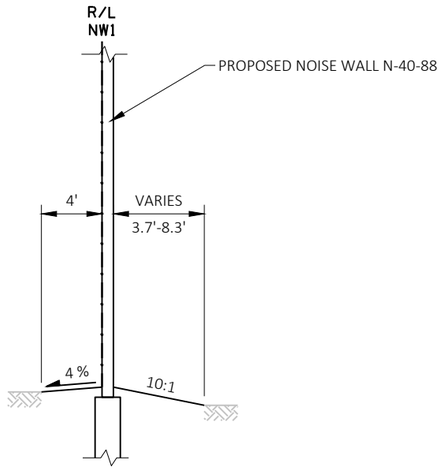
PRE_19



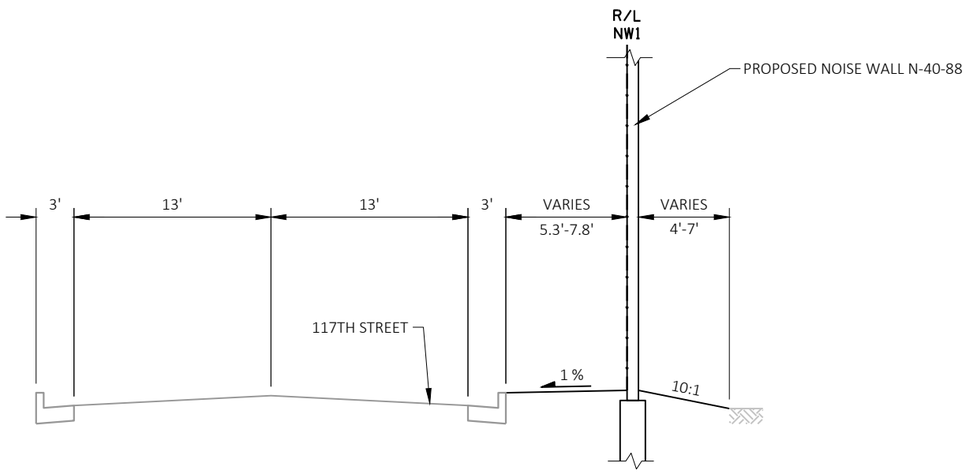
STA 10"NW1"+00 - STA 10"NW1"+50



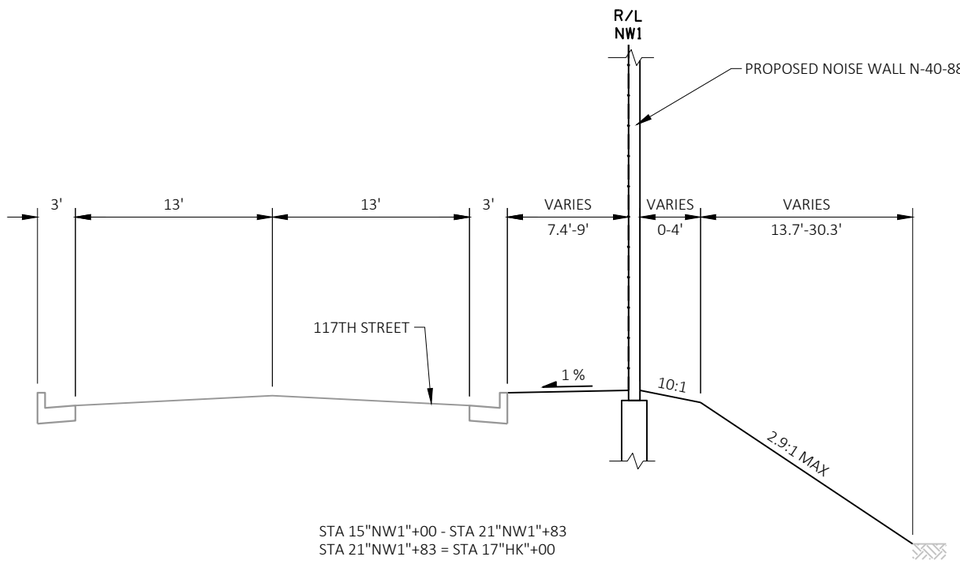
STA 10"NW1"+50 - STA 12"NW1"+00



STA 12"NW1"+00 - STA 13"NW1"+00



STA 13"NW1"+00 - STA 15"NW1"+00



STA 15"NW1"+00 - STA 21"NW1"+83
STA 21"NW1"+83 = STA 17"HK"+00

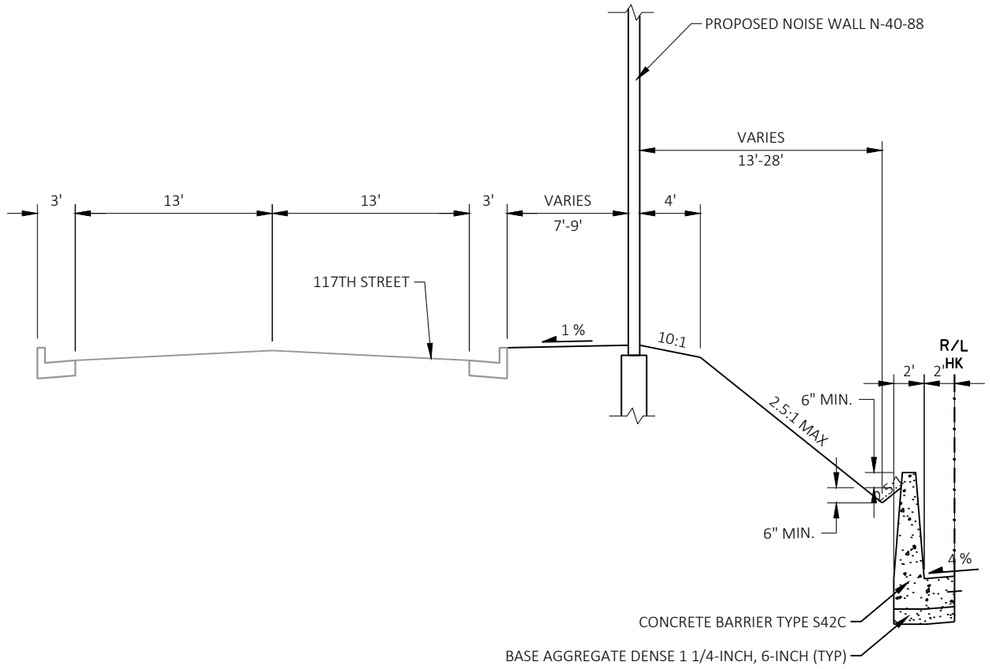
PROPOSED TYPICAL SECTION

NOISE WALL N-40-88

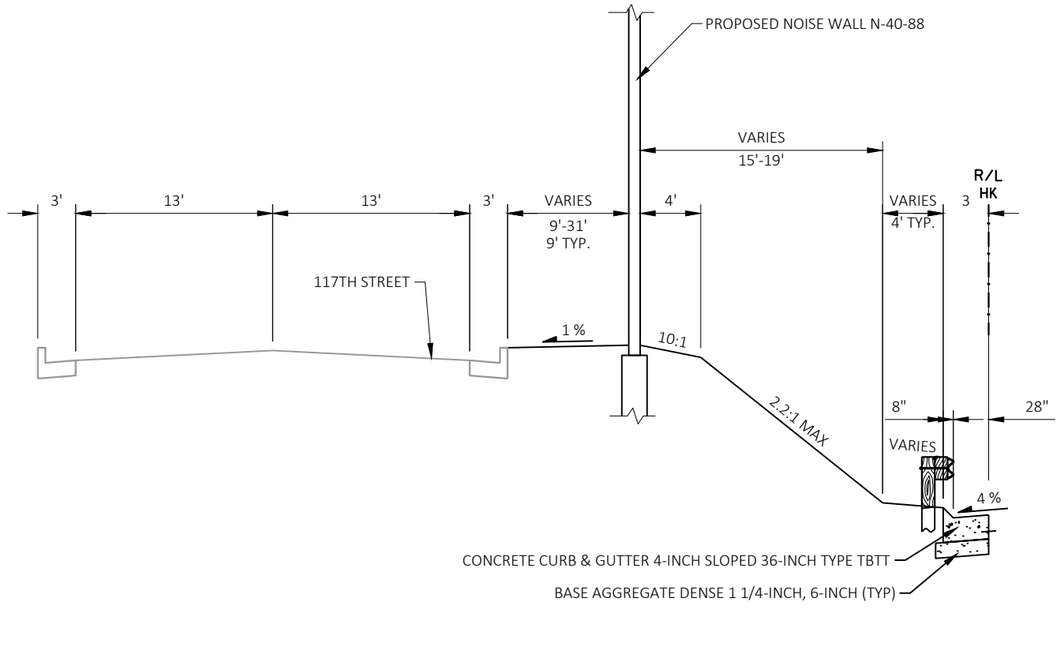
STA 10"NW1"+00 - STA 21"NW1"+83

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PROPOSED TYPICAL SECTIONS	SHEET PRE_20 E

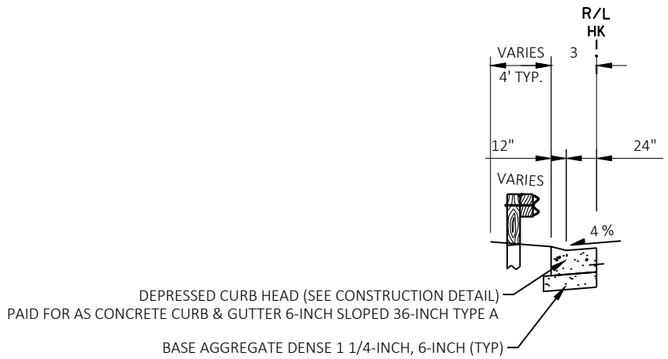
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LAYOUT NAME - 020307-ts
PLOT DATE : 10/8/2021 9:05 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



STA 17"HK"+00 - STA 21"HK"+21



STA 21"HK"+21 - STA 21"HK"+98

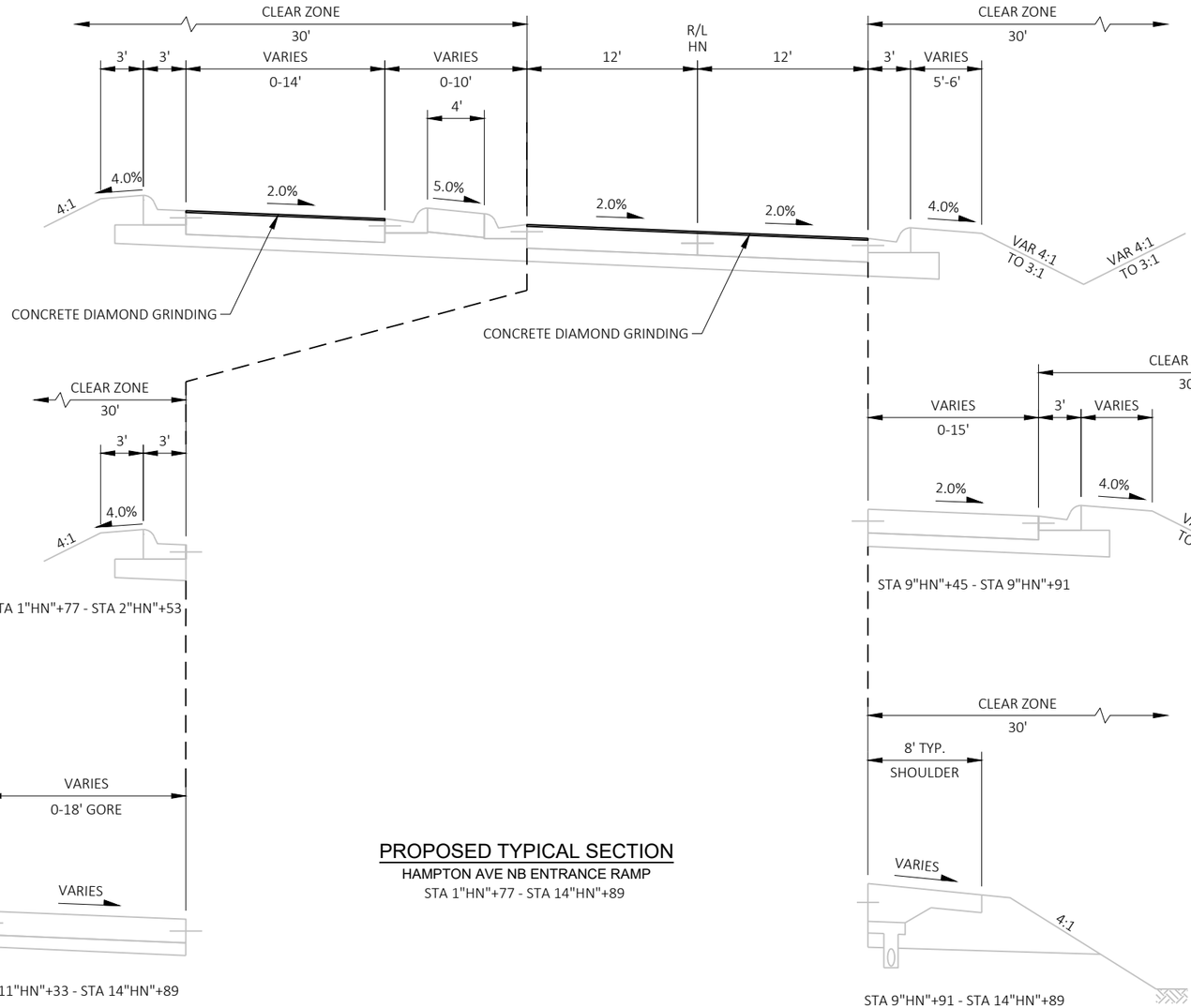


STA 21"HK"+98 - STA 22"HK"+42

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PROPOSED TYPICAL SECTIONS	SHEET PRE_21 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_020302-TS_PROPOSED.DWG
LAYOUT NAME - 020308-ts
PLOT DATE : 10/8/2021 9:05 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT

2



PROPOSED TYPICAL SECTION

HAMPTON AVE NB ENTRANCE RAMP

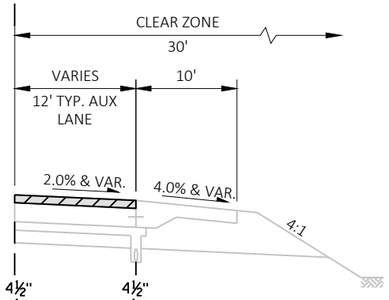
STA 1"HN"+77 - STA 14"HN"+89

PROJECT NO: 1100-20-70	HWY: IH 41	COUNTY: MILWAUKEE	PROPOSED TYPICAL SECTIONS	SHEET E

PRE_22

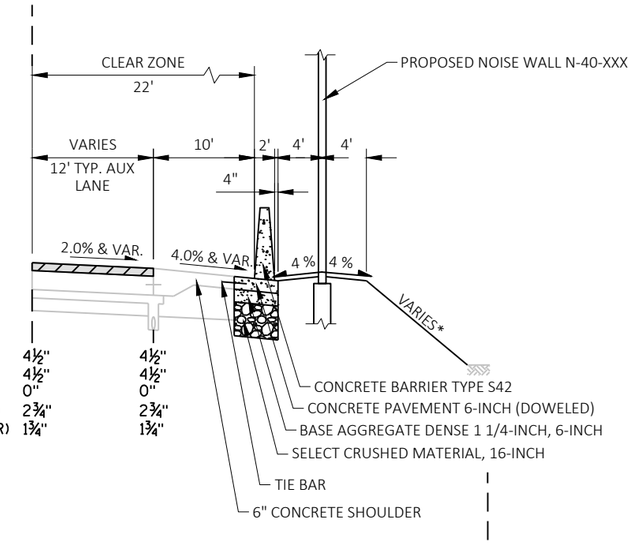
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LAYOUT NAME - 020309-ts

PLOT DATE : 10/8/2021 9:05 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT



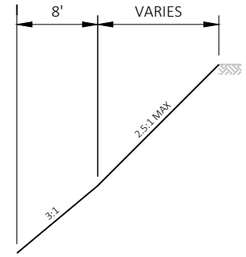
EXISTING ASPHALTIC PAVT DEPTH	4½"	4½"
REMOVE ASPHALTIC PAVT MILLING	4½"	4½"
REMOVE CONC PAVT PARTIAL DEPTH	0"	0"
HMA, TYPE 3HT 58-28H (LOWER LAYER)	2¾"	2¾"
HMA, TYPE 4SMA 58-28H (UPPER LAYER)	1¾"	1¾"

STA 307+40 - STA 307+54
STA 325+70 - STA 325+79

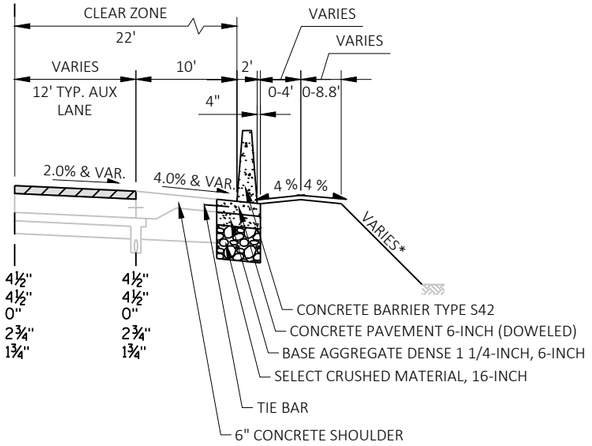


EXISTING ASPHALTIC PAVT DEPTH	4½"	4½"
REMOVE ASPHALTIC PAVT MILLING	4½"	4½"
REMOVE CONC PAVT PARTIAL DEPTH	0"	0"
HMA, TYPE 3HT 58-28H (LOWER LAYER)	2¾"	2¾"
HMA, TYPE 4SMA 58-28H (UPPER LAYER)	1¾"	1¾"

STA 307+99 - STA 313+00 *2.5:1
STA 313+00 - STA 325+42 *3:1



STA 313+50 - STA 319+62

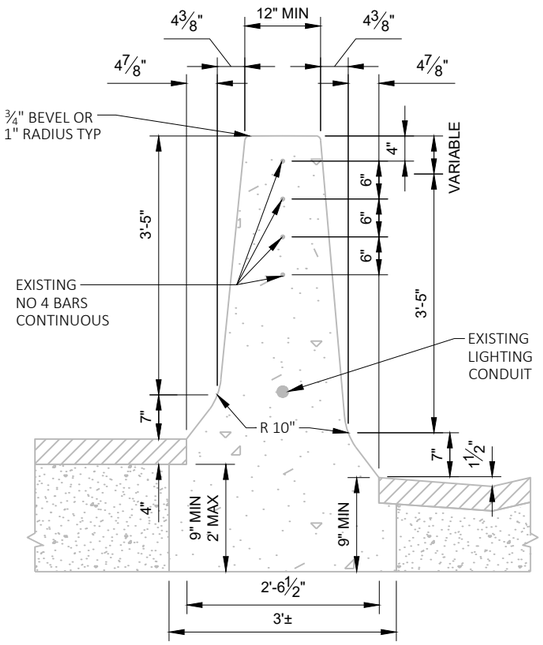


EXISTING ASPHALTIC PAVT DEPTH	4½"	4½"
REMOVE ASPHALTIC PAVT MILLING	4½"	4½"
REMOVE CONC PAVT PARTIAL DEPTH	0"	0"
HMA, TYPE 3HT 58-28H (LOWER LAYER)	2¾"	2¾"
HMA, TYPE 4SMA 58-28H (UPPER LAYER)	1¾"	1¾"

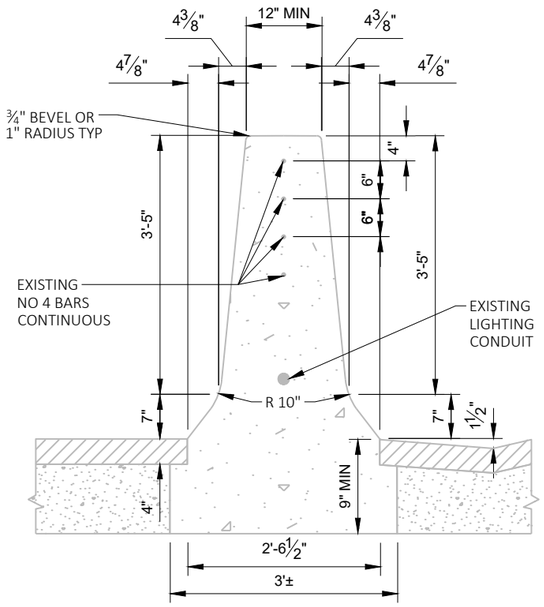
STA 307+54 - STA 307+99 *2.5:1
STA 325+42 - STA 325+70 *3:1

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PROPOSED TYPICAL SECTIONS	SHEET PRE_23 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_020302-TS_PROPOSED.DWG
LAYOUT NAME - 020310-ts
PLOT DATE : 10/8/2021 9:06 AM
PLOT BY : VINDEDAHL, EMMA M
PLOT NAME :
PLOT SCALE : 1 IN:15 FT
WISDOT/CADDS SHEET 42

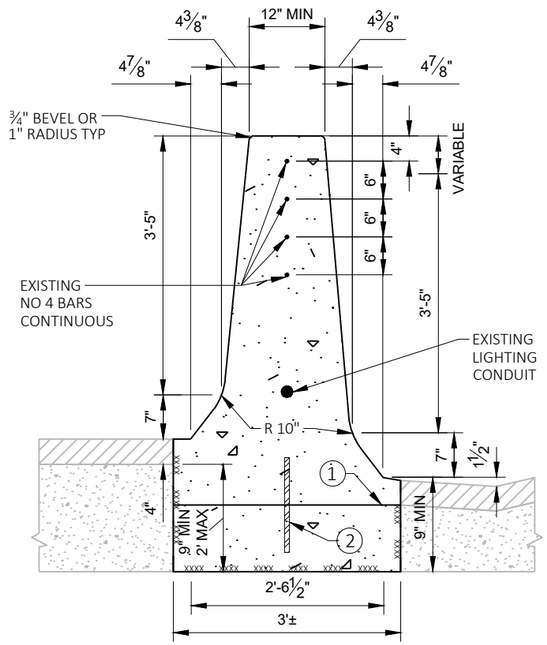


EXISTING CAST-IN-PLACE
IN STEPPED MEDIAN

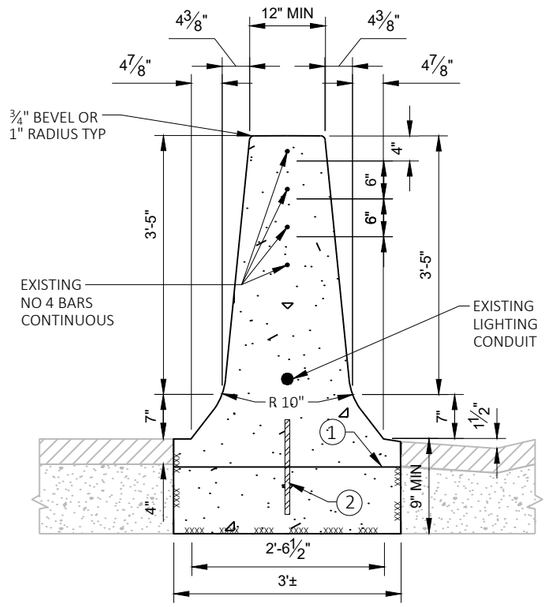


EXISTING CAST-IN-PLACE
IN SYMMETRICAL MEDIAN

EXISTING CONCRETE BARRIER DOUBLE-FACED 51-INCH, MODIFIED



CAST-IN-PLACE
IN STEPPED MEDIAN



CAST-IN-PLACE
IN SYMMETRICAL MEDIAN

CONCRETE BARRIER DOUBLE-FACED 51-INCH, SPECIAL

GENERAL NOTES

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

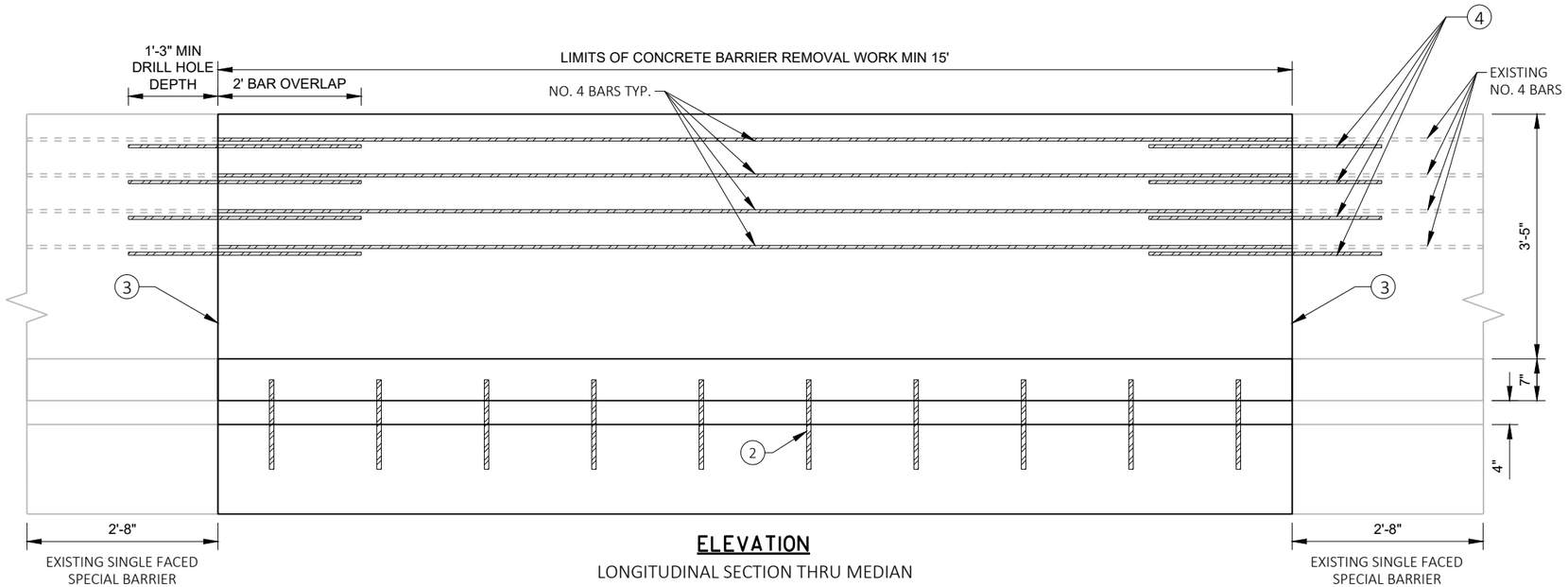
ALL BAR STEEL REINFORCEMENT USING EPOXY SHALL BE COATED IN CONFORMANCE WITH SUBSECTION 505.2.4 OF STANDARD SPEC.

(1) OPTIONAL CONSTRUCTION JOINT WITH ROUGH SURFACE FINISH

(2) NO. 6 X 15" BARS AT 1'-6" C-C TO BE USED WHEN OPTIONAL CONSTRUCTION JOINT IS USED. BARS MAY BE PLACED AFTER CONCRETE IS POURED OR IF THE FOOTING IS LEFT IN PLACE
7 1/2" DRILL & EPOXY EMBEDMENT, TYP.

(3) SAW CUT TO PROVIDE STRAIGHT FACE FOR REPLACEMENT OF CONCRETE

(4) NO. 4 TIE BARS ANCHORED WITH MASONRY ANCHORS
TYPE S - 3/4", TYP.



EXISTING SINGLE FACED
SPECIAL BARRIER

EXISTING SINGLE FACED
SPECIAL BARRIER

ELEVATION

LONGITUDINAL SECTION THRU MEDIAN

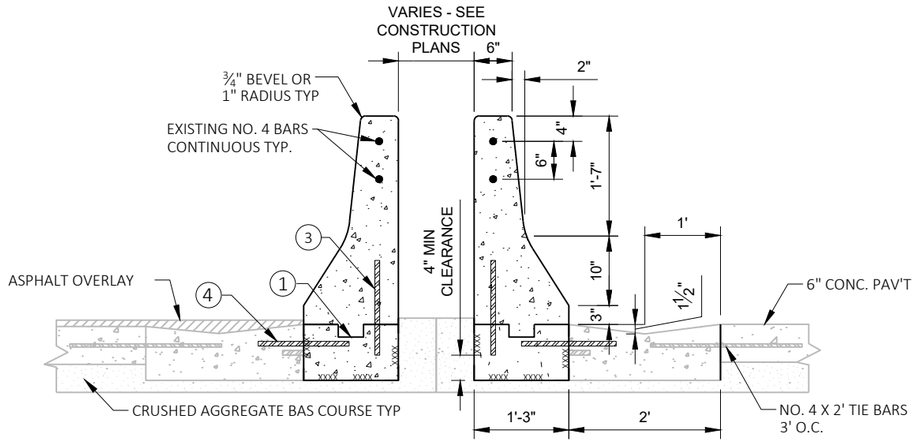
CONCRETE BARRIER DOUBLE-FACED 51-INCH, SPECIAL - CAST-IN-PLACE IN SYMMETRICAL MEDIAN

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET PRE_24 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_021001-CD.DWG
LAYOUT NAME - DOUBLE-FACED

PLOT DATE : 6/30/2021 1:10 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : _____ PLOT SCALE : 1 IN:2 FT

2



CONCRETE BARRIER SINGLE-FACED 32-INCH

TRANSVERSE SECTION THRU MEDIAN

GENERAL NOTES

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

ALL BAR STEEL REINFORCEMENT USING EPOXY SHALL BE COATED IN CONFORMANCE WITH SUBSECTION 505.2.4 OF STANDARD SPEC.

(1) OPTIONAL CONSTRUCTION JOINT WITH ROUGH SURFACE FINISH KEY WAY 2" X 4" (NOM), TYP.

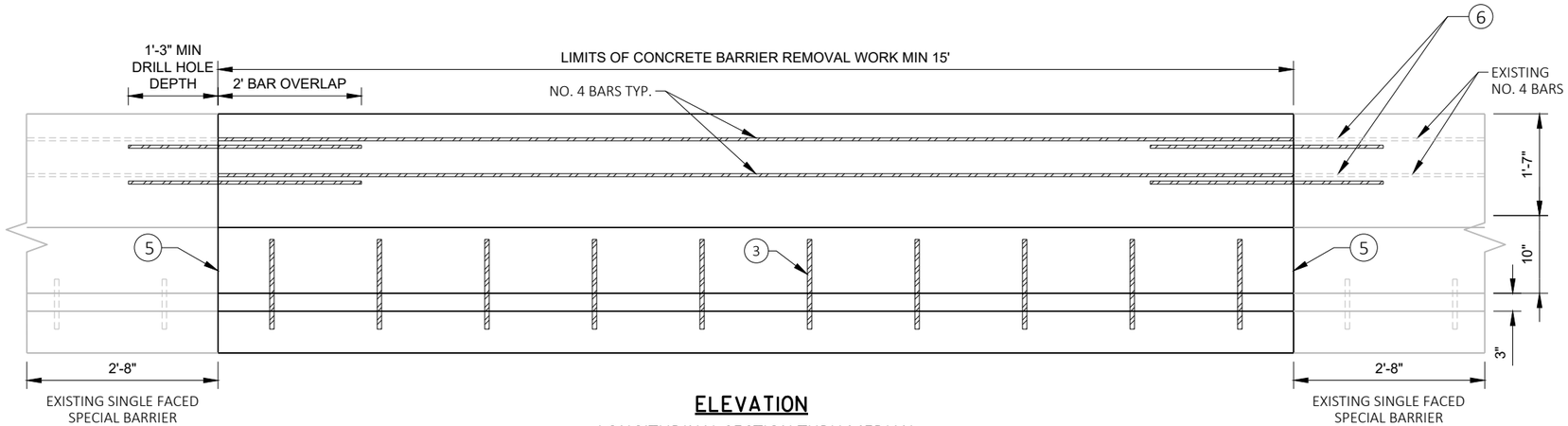
(2) NO. 6 X 1'-6" DEFORMED BARS SPACED 4' C-C TO BE USED ONLY WHEN OPTIONAL CONST. JOINT IS USED. BARS MAY BE INSERTED AFTER CONCRETE IS POURED, TYP.

(3) NO. 6 X 15" BARS AT 1'-6" C-C TO BE USED WHEN OPTIONAL CONSTRUCTION JOINT IS USED. BARS MAY BE PLACED AFTER CONCRETE IS POURED OR IF THE FOOTING IS LEFT IN PLACE
7 1/2" DRILL & EPOXY EMBEDMENT, TYP.

(4) NO. 6 X 12" TIE BAR 6" DRILL MAY BE INSERTED AFTER CONCRETE IS POURED, TYP.

(5) SAW CUT TO PROVIDE STRAIGHT FACE FOR REPLACEMENT OF CONCRETE

(6) NO. 4 TIE BARS ANCHORED WITH MASONRY ANCHORS TYPE S - ¾", TYP.



ELEVATION

LONGITUDINAL SECTION THRU MEDIAN

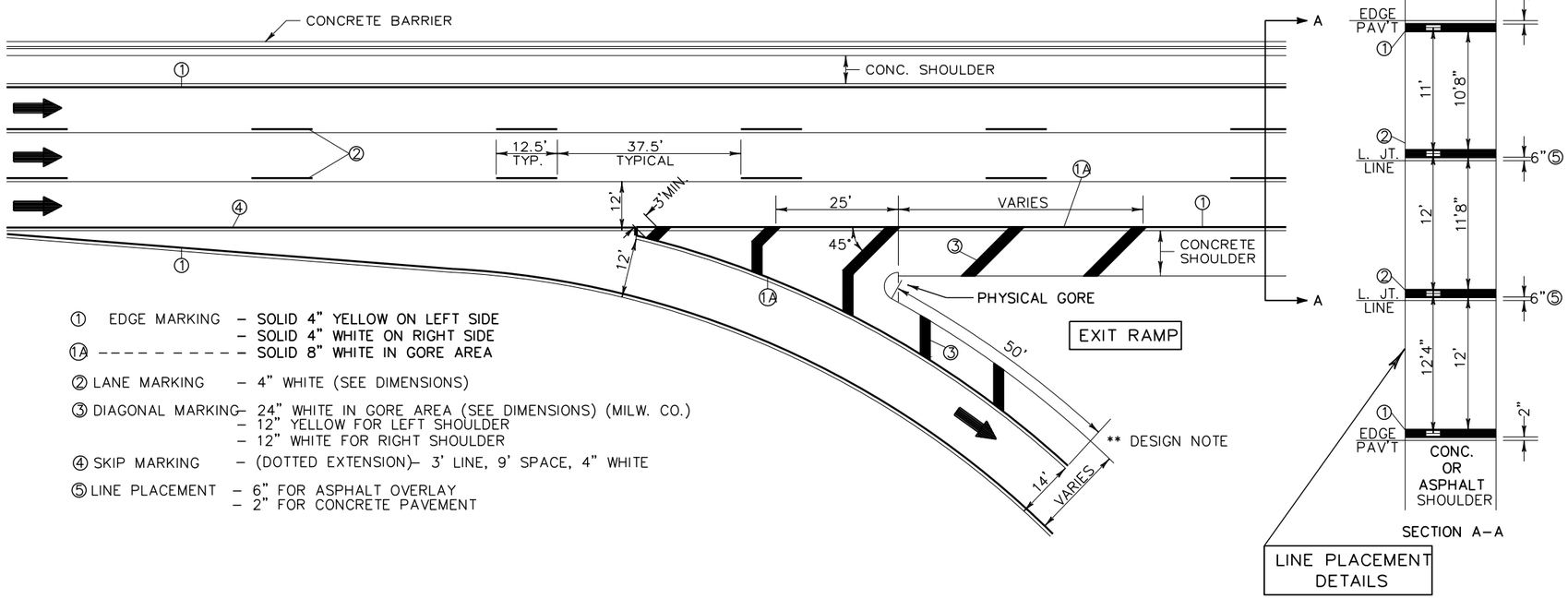
CONCRETE BARRIER SINGLE-FACED 32-INCH

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET PRE_25 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_021001-CD.DWG
LAYOUT NAME - SINGLE-FACED

PLOT DATE : 6/30/2021 1:10 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : _____ PLOT SCALE : 1 IN:2 FT

DETAIL 1



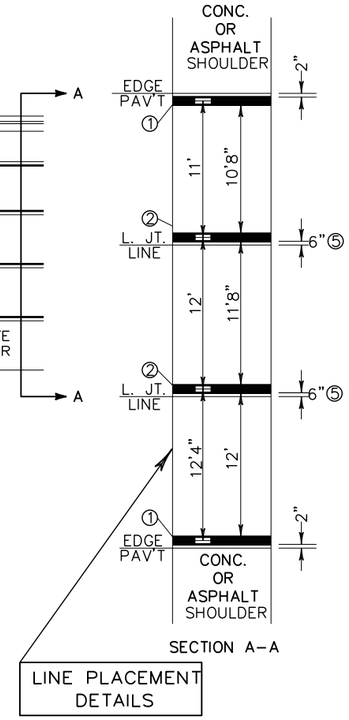
① EDGE MARKING – SOLID 4" YELLOW ON LEFT SIDE
– SOLID 4" WHITE ON RIGHT SIDE
①A – – – – – – – – – – SOLID 8" WHITE IN GORE AREA

② LANE MARKING – 4" WHITE (SEE DIMENSIONS)

③ DIAGONAL MARKING – 24" WHITE IN GORE AREA (SEE DIMENSIONS) (MILW. CO.)
– 12" YELLOW FOR LEFT SHOULDER
– 12" WHITE FOR RIGHT SHOULDER

④ SKIP MARKING – (DOTTED EXTENSION)– 3' LINE, 9' SPACE, 4" WHITE

⑤ LINE PLACEMENT – 6" FOR ASPHALT OVERLAY
– 2" FOR CONCRETE PAVEMENT

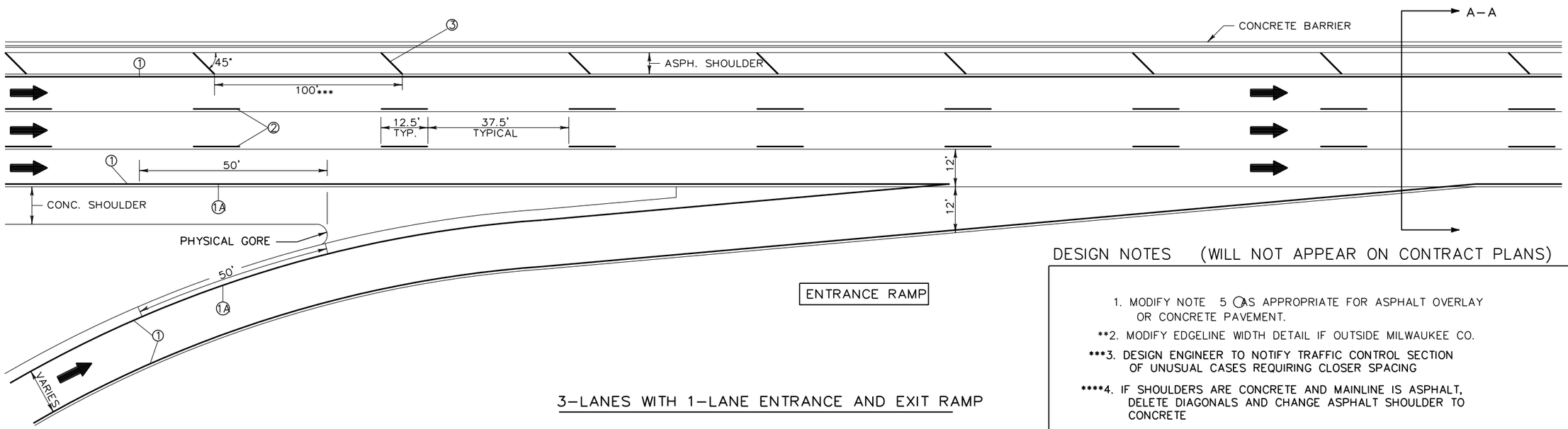


SECTION A–A

LINE PLACEMENT DETAILS

NOTES:

1. THE 12" WIDE DIAGONAL SHOULDER MARKING SHALL BE USED ONLY WHERE THE ASPHALTIC CONCRETE SHOULDER ABUTS ASPHALTIC CONC. PAV'T. IF THERE ARE CONTINUOUS RUMBLE STRIPS, DO NOT USE DIAGONAL SHOULDER MARKING.
2. WHERE THE DOTTED EXTENSION OF THE RIGHT EDGE LINE IS SHOWN ON THE PLAN, IT SHALL BE 4" WIDE, WITH A LINE SKIP PATTERN CONSISTING OF A 3' LONG LINE AND A 9' SKIP.
3. PAVEMENT LANE MARKINGS SHALL BE LOCATED 6" OFF THE LONGITUDINAL JOINT OF THE UNDERLYING CONC. PAVEMENT.
4. ARROWS SHOWN ON THIS MARKING PLAN DESIGNATE TRAFFIC FLOW, AND SHALL NOT BE TAKEN AS PROPOSED PAVEMENT MARKINGS.
5. SPOTTING FOR PAVEMENT LANE MARKINGS AND EDGE LINES SHALL BE 4"x4" PIECES OF REFLECTORIZED PAV'T MARKING TAPE SPACED AT 50' INTERVALS, INCIDENTAL TO PAV'T MARKING.



3–LANES WITH 1–LANE ENTRANCE AND EXIT RAMP

DESIGN NOTES (WILL NOT APPEAR ON CONTRACT PLANS)

1. MODIFY NOTE 5 ⓐ AS APPROPRIATE FOR ASPHALT OVERLAY OR CONCRETE PAVEMENT.

**2. MODIFY EDGELINE WIDTH DETAIL IF OUTSIDE MILWAUKEE CO.

***3. DESIGN ENGINEER TO NOTIFY TRAFFIC CONTROL SECTION OF UNUSUAL CASES REQUIRING CLOSER SPACING

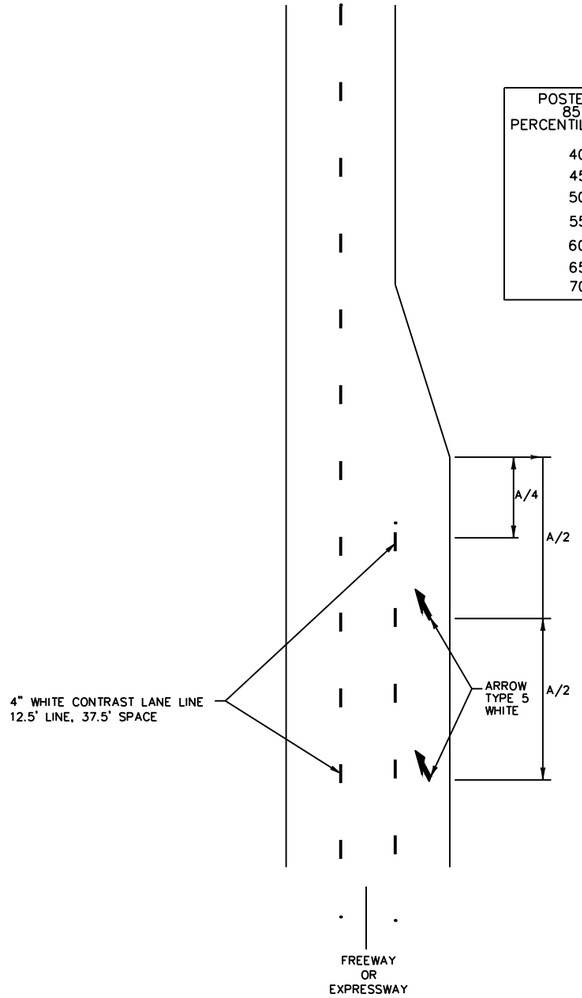
****4. IF SHOULDERS ARE CONCRETE AND MAINLINE IS ASPHALT, DELETE DIAGONALS AND CHANGE ASPHALT SHOULDER TO CONCRETE

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET E

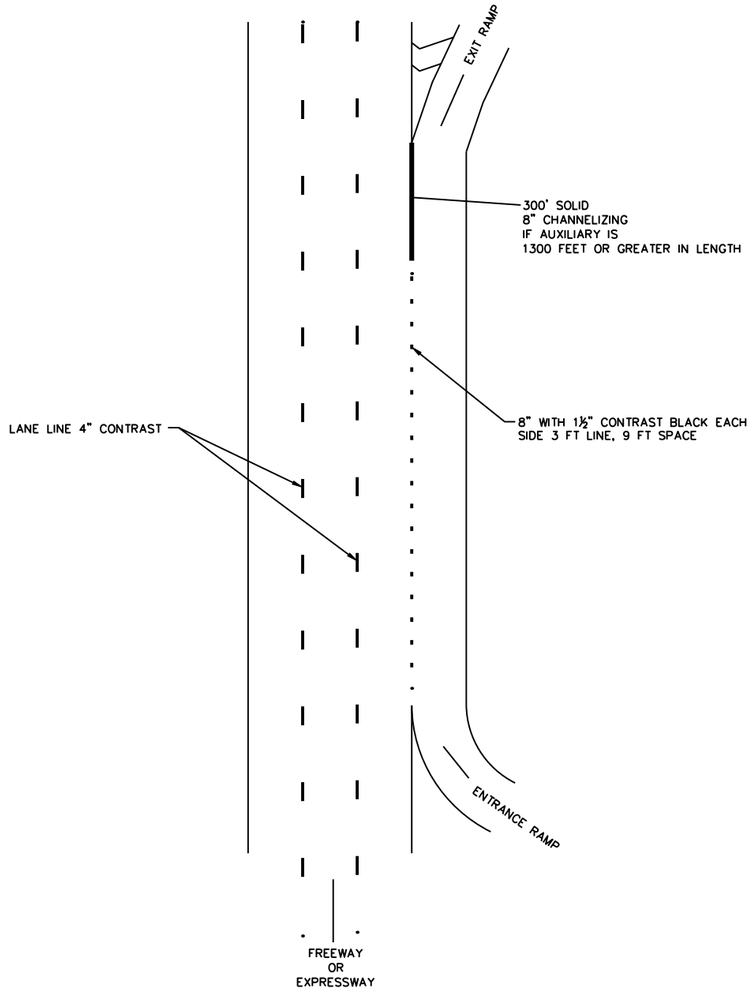
FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_021001-CD2.DWG
LAYOUT NAME - 01
PLOT DATE : 6/30/2021 1:10 PM
PLOT BY : VINDEDAHL, EMMA M
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

DISTANCE TABLE

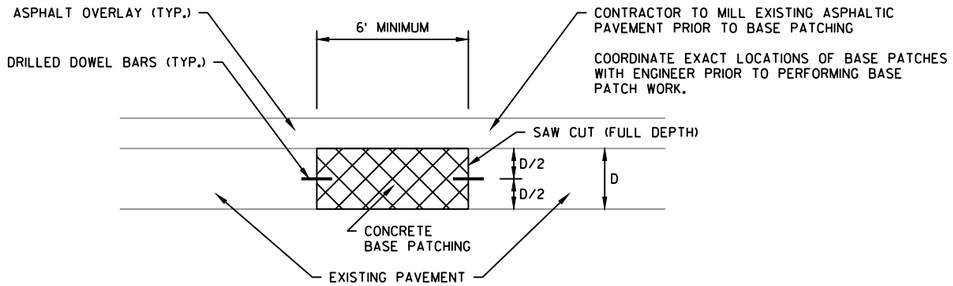
POSTED OR 85TH PERCENTILE SPEED	DISTANCE "A"
40	670
45	775
50	885
55	990
60	1100
65	1200
70	1300



LANE REDUCTION MARKINGS



LANE DROP MARKINGS
SERVICE INTERCHANGES

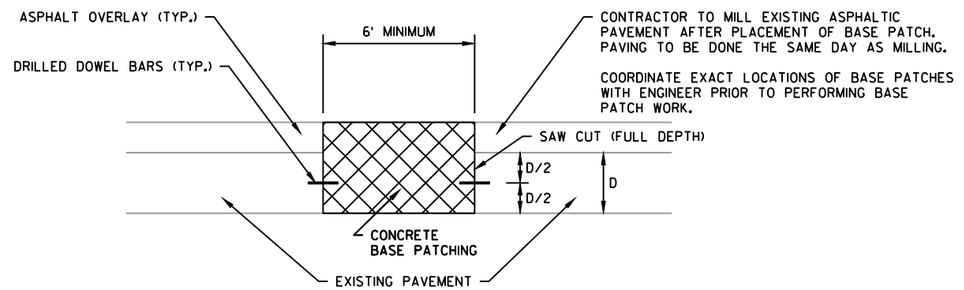


DETAIL OF BASE PATCH, CONCRETE

DETAIL TO BE USED IN LOCATIONS WHERE THE ROADWAY IS FULLY CLOSED (DAY AND NIGHT WORK).
SEE S.D.D. "BASE PATCHING CONCRETE" FOR ADDITIONAL DETAILS

NOTES: CONTRACTOR SHALL REMOVE ALL UNSUITABLE MATERIAL BELOW BASE PATCH AREA AND REPLACE WITH BASE AGGREGATE DENSE 1-1/4".

LOCATION AND AREA OF BASE PATCHING SHALL BE PLACED AS SHOWN ON PLANS AS DIRECTED BY THE ENGINEER.



DETAIL OF BASE PATCH, CONCRETE SHES

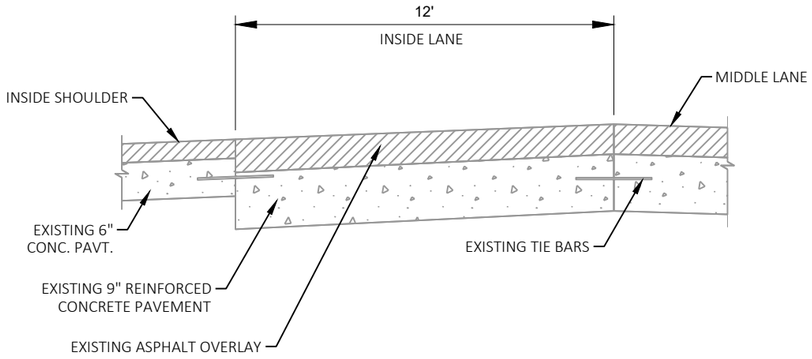
DETAIL TO BE USED IN LOCATIONS WHERE THE ROADWAY HAS TO BE OPENED TO TRAFFIC DURING THE DAY (NIGHT-WORK ONLY).
SEE S.D.D. "BASE PATCHING CONCRETE" FOR ADDITIONAL DETAILS

NOTES: CONTRACTOR SHALL REMOVE ALL UNSUITABLE MATERIAL BELOW BASE PATCH AREA AND REPLACE WITH BASE AGGREGATE DENSE 1-1/4".

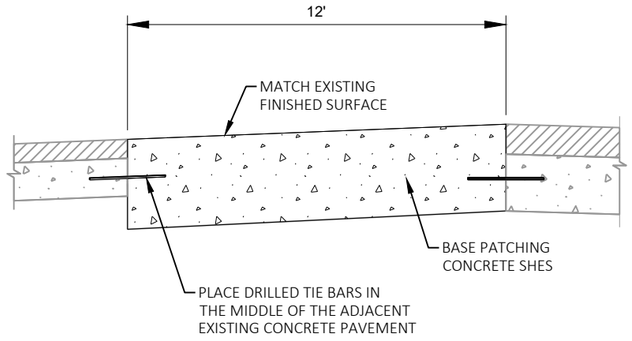
LOCATION AND AREA OF BASE PATCHING SHALL BE PLACED AS SHOWN ON PLANS AS DIRECTED BY THE ENGINEER.

2

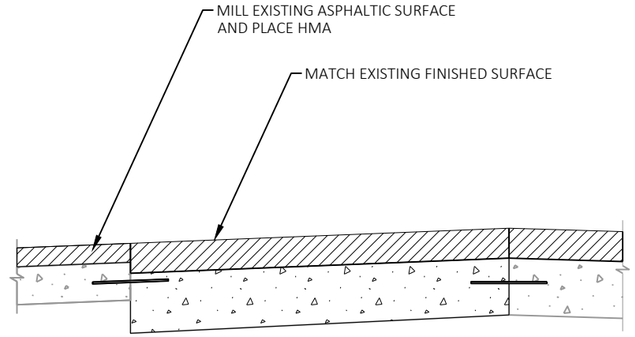
2



EXISTING SECTION



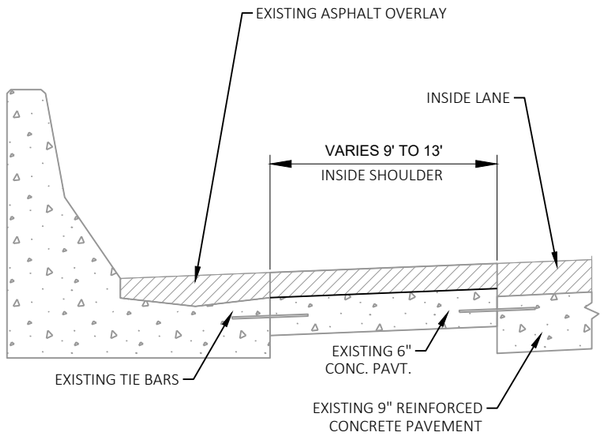
BASE PATCHING



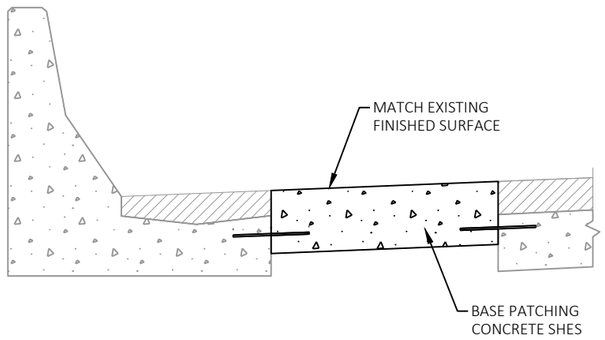
*REMOVING CONCRETE SURFACE PARTIAL DEPTH IS INCIDENTAL TO REMOVING ASPHALTIC SURFACE MILLING

MILL AND OVERLAY

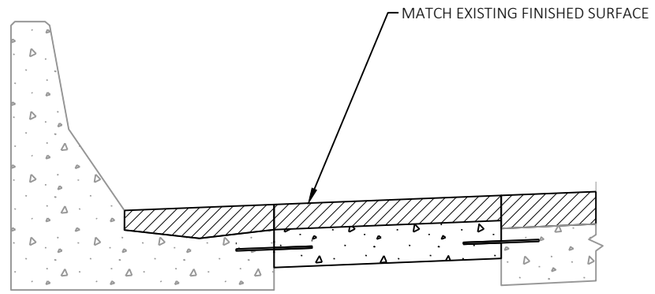
LANE BASE PATCHING AND MILL/OVERLAY OPERATIONS



EXISTING SECTION



BASE PATCHING



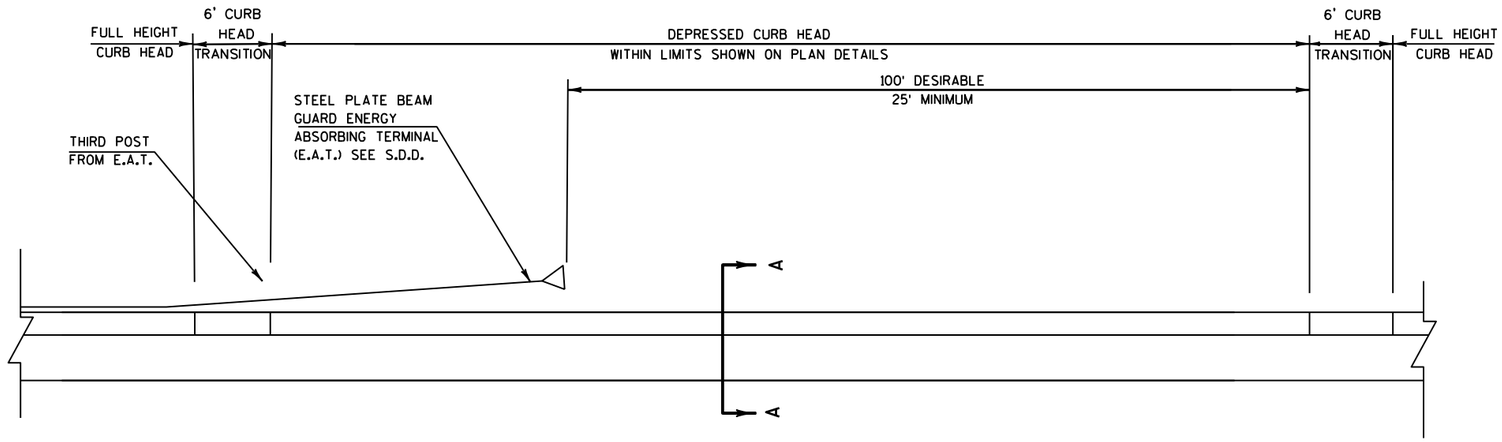
*REMOVING CONCRETE SURFACE PARTIAL DEPTH IS INCIDENTAL TO REMOVING ASPHALTIC SURFACE MILLING

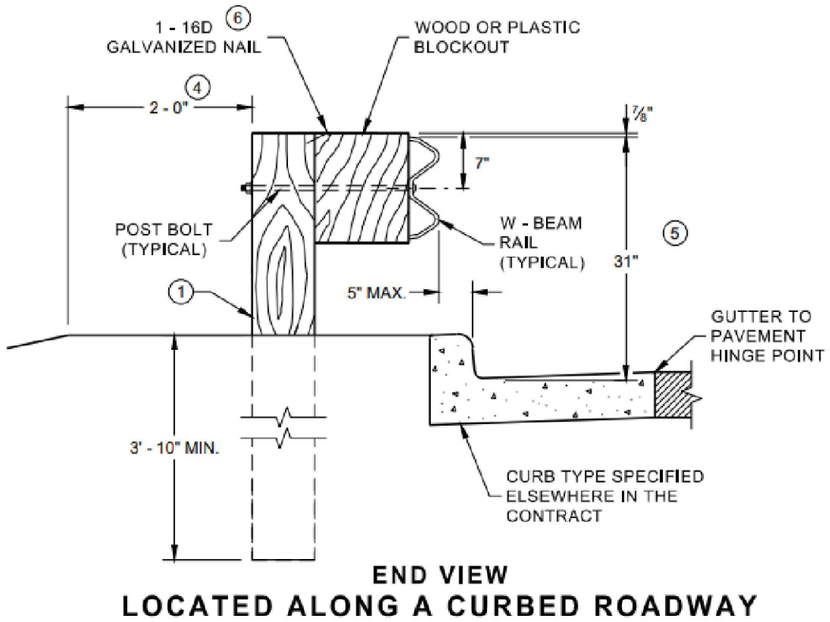
MILL AND OVERLAY

SHOULDER BASE PATCHING AND MILL/OVERLAY OPERATIONS

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET PRE_29 E

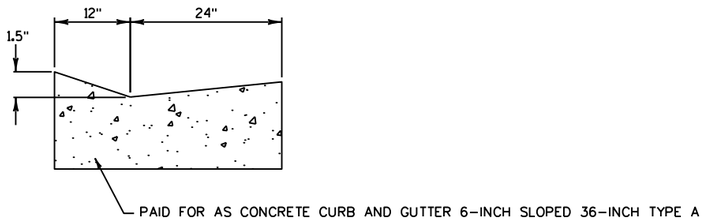
2





END VIEW

LOCATED ALONG A CURBED ROADWAY



SECTION A-A

DEPRESSED CURB

DEPRESSED CURB HEAD AT BEAM GUARD TERMINAL

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET PRE_30 E

2

LEGEND

AGO2	BASE AGGREGATE DENSE 1 1/4-INCH
A	HMA PAVEMENT VARIABLE DEPTH 4 SMA 58-28 V, OVER HMA PAVEMENT 3 HT 58-28 H
B	HMA PAVEMENT 4 SMA 58-28 V, 1 3/4-INCH OVER HMA PAVEMENT 3 HT 58-28 H, 3 1/4-INCH OVER HMA PAVEMENT 3 HT 58-28 H, 4-INCH HMA PAVEMENT 3 HT 58-28 H, 4-INCH
BG11	STEEL THRIE BEAM STRUCTURE APPROACH
BG12	STEEL PLATE BEAM GUARD CLASS A
BG15	MGS GUARDRAIL 3
BG16	MGS THRIE BEAM TRANSITION
BG17	MGS GUARDRAIL TERMINAL EAT
BG18	MGS GUARDRAIL TYPE 2
BG19	MGS GUARDRAIL 3 K
CBS	CONCRETE BARRIER TYPE S42
CG24	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A
CG25	CURB AND GUTTER TRANSITION -SEE CONSTRUCTION DETAIL
CG60	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE TBTT
CP05	CONCRETE PAVEMENT 8-INCH, DOWELED AND TINED
SCM	SELECT CRUSHED MATERIAL
CSD	CONCRETE SURFACE DRAINS

	BASE PATCHING SHES
	CONCRETE PAVEMENT REPLACEMENT SHES
	CONCRETE PAVEMENT SHES
	CONCRETE PAVEMENT APPROACH SLAB HES
	PPC OVERLAY
	CONCRETE DECK OVERLAY
	DIAMOND GRINDING
	MILL AND OVERLAY
	PAVEMENT RECONSTRUCTION
	HIGH FRICTION SURFACE TREATMENT
	CRACK REPAIR
	CROSS STITCH LONGITUDINAL CRACK
	EXPANSION JOINT REPLACEMENT
	CONCRETE BARRIER REPLACEMENT

2

2

EXISTING R/W

INSTALL NEW SIGN S-40-3089

INSTALL NEW BEAMGUARD, CONCRETE BARRIERS, AND CONSTRUCT AN AUXILIARY LANE (SEE CROSS SECTIONS "IH 41 SB AUXILIARY LANE: HAMPTON AVE TO CAPITOL DR, R/L AUX")

WETLAND BOUNDARY

B AG02 SCM

FLOW LINE

SLOPE INTERCEPT

HINGE POINT LINE

BG15

BG17

WISDOT ELECTRIC

℄ CB

18"CB" 19"CB" 20"CB" 21"CB" 22"CB" 23"CB" 24"CB"

244"AUX" 245"AUX" 246"AUX" 247"AUX" "AUX"+53.92, -12.00' LT 248"AUX"

"AUX"+87.82, 0.23' RT

"AUX"+05.39 -22.00'LT

"AUX"+55.56 -24.04'LT

℄ AUX

BEGIN PROJECT 1100-20-71
STA 243+34.77
MATCH EXISTING
SAW CUT REQ'D

SB IH 41

+21.36, 0.00' +31.36, 0.00' +73.20, 0.00' +88.20, 0.00' +49.29, 0.00'

243 244 245 246 247 248

℄ IH 41

NB IH 41

END PROJECT 1100-20-70
STA 243+34.77
MATCH EXISTING
SAW CUT REQ'D

WISDOT ELECTRIC

EXISTING R/W

NOTES
1. THE LOCATION OF THE BASE PATCHES AS SHOWN IN THE PLANS IS APPROXIMATE AND SHOULD BE VERIFIED IN THE FIELD.

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PLAN DETAIL	SHEET E

PRE_32

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_021202-PD.DWG
LAYOUT NAME - 021202-PD

PLOT DATE : 10/19/2021 10:26 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

EXISTING R/W

WISDOT ELECTRIC

INSTALL NEW BEAMGUARD, CONCRETE BARRIERS, AND CONSTRUCT AN AUXILIARY LANE (SEE CROSS SECTIONS "IH 41 SB AUXILIARY LANE; HAMPTON AVE TO CAPITOL DR, R/L AUX")

BG15

BG17

℄ CB

B AG02 SCM

FLOW LINE

WETLAND BOUNDARY

SLOPE INTERCEPT

HINGE POINT LINE

24"CB"

25"CB"

26"CB"

248"AUX"

249"AUX"

250"AUX"

251"AUX"

252"AUX"

253"AUX"

+87.82, 0.23' RT

"AUX"+05.39 -22.00'LT

"AUX"+55.56 -24.04'LT

℄ AUX

SB IH 41

A

A

A

+49.29, 0.00'

+64.29, -0.05' LT

248

249

250

251

252

253

℄ IH 41

NB IH 41

A

A

A

WISDOT ELECTRIC

WETLAND BOUNDARY

EXISTING R/W

52"CD1"

53"CD1"

℄ CD1

"CD1"+90.79, 0.00'

HINGE POINT LINE

SLOPE INTERCEPT

WisDOT Lighting in Grading

"CD1"+11.49 2.00'RT

"CD1"+64.58 0.00'

BG17

BG15

BEAMGUARD REPLACEMENT
(SEE CROSS SECTIONS "BEAMGUARD REPLACEMENT AT CAPITOL DR ENTRANCE RAMP, R/L CD1")

NOTES
1. THE LOCATION OF THE BASE PATCHES AS SHOWN IN THE PLANS IS APPROXIMATE AND SHOULD BE VERIFIED IN THE FIELD.

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PLAN DETAIL	SHEET E

PRE_33

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_021202-PD.DWG
LAYOUT NAME - 021203-PD

PLOT DATE : 10/19/2021 10:27 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

EXISTING R/W

WISDOT ELECTRIC

INSTALL NEW BEAMGUARD, CONCRETE BARRIERS, AND CONSTRUCT AN AUXILIARY LANE (SEE CROSS SECTIONS "IH 41 SB AUXILIARY LANE: HAMPTON AVE TO CAPITOL DR, R/L AUX")

N

WisDOT Fiber in Grading

WETLAND BOUNDARY

SLOPE INTERCEPT

FLOW LINE

B AG02 SCM

FTMS FIBER OPTIC

HINGE POINT LINE

253"AUX" 254"AUX" 255"AUX" 256"AUX" 257"AUX" 258"AUX" 259"AUX"

℄ AUX

SB IH 41

A A A

+78.26, 0.00'

253 254 255 256 257 258 259

℄ IH 41

NB IH 41

A A A A

SIGN

53"CD1" 54"CD1" 55"CD1" 56"CD1" 57"CD1" 58"CD1" 59"CD1"

BG17

HINGE POINT LINE

SLOPE INTERCEPT

BG15

℄ CD1

BG16

"CD1"+11.49 2.00'RT

"CD1"+64.58 0.00'

BEAMGUARD REPLACEMENT (SEE CROSS SECTIONS "BEAMGUARD REPLACEMENT AT CAPITOL DR ENTRANCE RAMP, R/L CD1")

"CD1"+64.58 0.01'RT

"CD1"+01.92 1.74'RT

WETLAND BOUNDARY

EXISTING R/W

NOTES
1. THE LOCATION OF THE BASE PATCHES AS SHOWN IN THE PLANS IS APPROXIMATE AND SHOULD BE VERIFIED IN THE FIELD.

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET E

PRE_34

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_021202-PD.DWG
LAYOUT NAME - 021204-PD

PLOT DATE : 10/19/2021 10:27 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

EXISTING R/W

WisDOT Fiber in Grading

WisDOT Electric in Grading

INSTALL NEW BEAMGUARD, CONCRETE BARRIERS, AND CONSTRUCT AN AUXILIARY LANE (SEE CROSS SECTIONS "IH 41 SB AUXILIARY LANE: HAMPTON AVE TO CAPITOL DR, R/L AUX")

FENCE CHAIN LINK 6-FT

WETLAND BOUNDARY

WETLAND BOUNDARY

SLOPE INTERCEPT

WISDOT ELECTRIC

FTMS FIBER OPTIC

HINGE POINT LINE

B AG02 SCM

CBS

FTMS FIBER OPTIC

BG16

BG15

BG17

WisDOT Electric in Grading

259"AUX" 260"AUX" 261"AUX" 262"AUX" 263"AUX" 264"AUX"

A A A

SB IH 41

"AUX"+56.08 -22.01'LT

℄ AUX

"AUX"+05.80 -22.00'LT

"AUX"+45.05 -22.00'LT

WisDOT Lighting in Grading

"AUX"+17.86 -22.00'LT

+78.26, 0.00' +21.75, 0.00'

259 260 261 262 263 264

???

INSTALL NEW SIGN S-40-3061

NB IH 41

A A A A

℄ IH 41

WISDOT ELECTRIC

CSD

"NB1"+44.37, -2.33' LT

℄ NB1

59"CD1" 263"NB1" 264"NB1"

BG15 BG17 ℄ CD1

BG16 CG60 BG15

"CD1"+64.58 0.01'RT

"CD1"+01.92 1.74'RT

BEAMGUARD REPLACEMENT (SEE CROSS SECTIONS "BEAMGUARD REPLACEMENT AT CAPITOL DR ENTRANCE RAMP, R/L CD1"

"NB1"+81.27 0.01'RT

"NB1"+24.86 0.16'RT

"NB1"+30.11 0.16'RT

"NB1"+49.02 0.60'RT

"NB1"+81.91 0.00'

"NB1"+97.93 0.00'

BG19

HINGE POINT LINE

SLOPE INTERCEPT

EXISTING R/W

FENCE CHAIN LINK 6-FT

INSTALL NEW BEAMGUARD (SEE CROSS SECTIONS "NB SHOULDER SLOPE IMPROVEMENT, R/L NB1")

SLOPE INTERCEPT

NOTES
1. THE LOCATION OF THE BASE PATCHES AS SHOWN IN THE PLANS IS APPROXIMATE AND SHOULD BE VERIFIED IN THE FIELD.

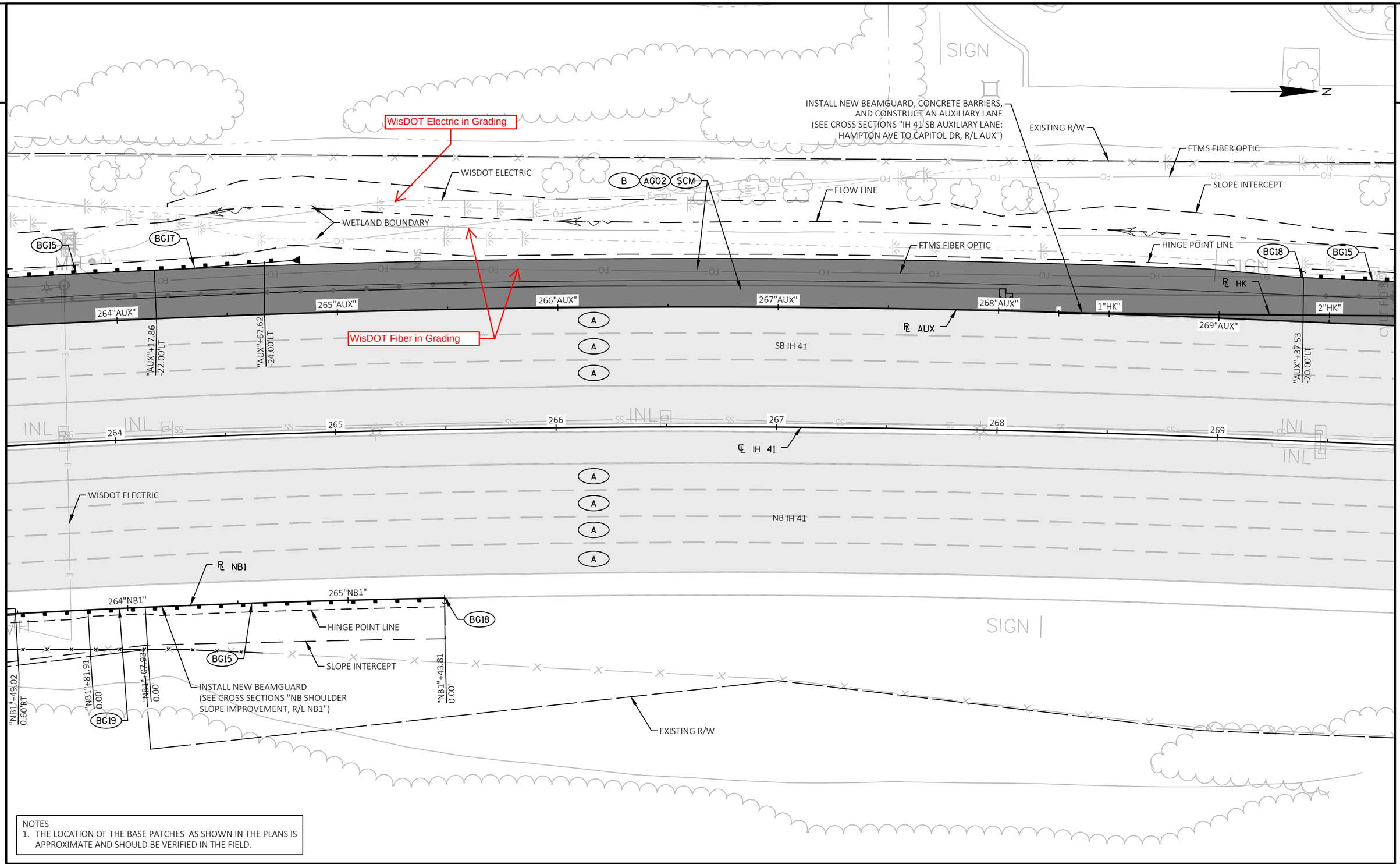
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PLAN DETAIL	SHEET E

PRE_35

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_021202-PD.DWG
LAYOUT NAME - 021205-PD

PLOT DATE : 10/19/2021 10:28 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



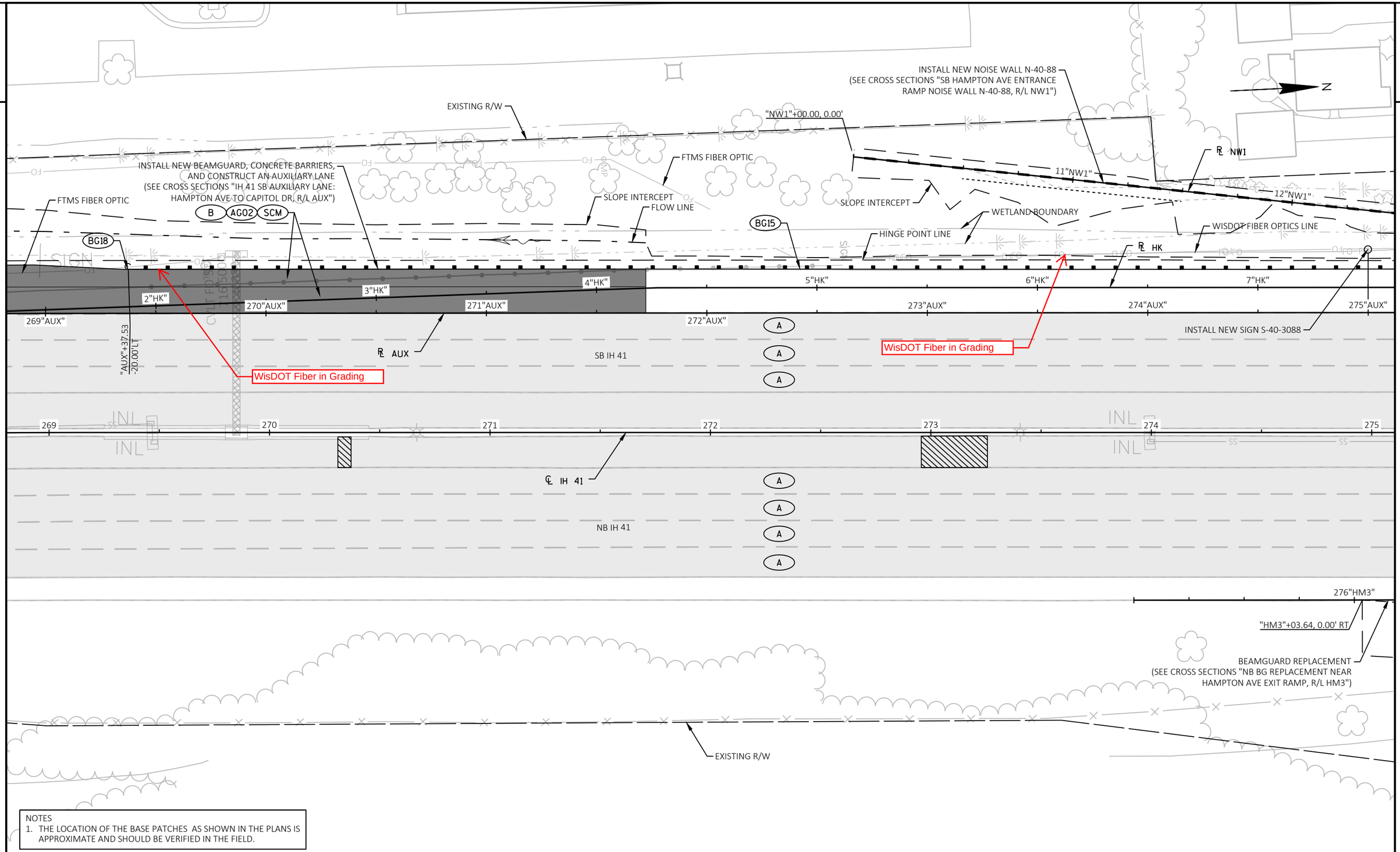
NOTES
1. THE LOCATION OF THE BASE PATCHES AS SHOWN IN THE PLANS IS APPROXIMATE AND SHOULD BE VERIFIED IN THE FIELD.

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PLAN DETAIL	SHEET E

PRE_36

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_021202-PD.DWG
LAYOUT NAME - 021206-PD
PLOT DATE : 10/19/2021 10:29 AM
PLOT BY : VINDEDAHL, EMMA M
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



NOTES
1. THE LOCATION OF THE BASE PATCHES AS SHOWN IN THE PLANS IS APPROXIMATE AND SHOULD BE VERIFIED IN THE FIELD.

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PLAN DETAIL	SHEET E

PRE_37

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_021202-PD.DWG
LAYOUT NAME - 021207-PD

PLOT DATE : 10/19/2021 10:30 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

INSTALL NEW BEAMGUARD, CONCRETE BARRIERS, AND CONSTRUCT AN AUXILIARY LANE (SEE CROSS SECTIONS "IH 41 SB AUXILIARY LANE: HAMPTON AVE TO CAPITOL DR, R/L AUX")

WETLAND BOUNDARY

℄ NW1

SLOPE INTERCEPT

EXISTING R/W

INSTALL NEW NOISE WALL N-40-88 (SEE CROSS SECTIONS "SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88, R/L NW1")

12"NW1"

13"NW1"

14"NW1"

15"NW1"

16"NW1"

17"NW1"

BG15

"AUX"+97.24 19.51'LT

BG17

"AUX"+50.39 19.47'LT

HINGE POINT LINE

"AUX"+33.60, -19.68' LT

℄ HK

WISDOT FIBER OPTICS LINE

7"HK"

8"HK"

9"HK"

10"HK"

11"HK"

12"HK"

MATCH LINE 1

WisDOT Fiber in Grading

275"AUX"

276"AUX"

277"AUX"

278"AUX"

INSTALL NEW SIGN S-40-3088

℄ AUX

SB IH 41

A

A

A

275

276

277

278

279

280

INL

SS

SAN

℄ IH 41

NB IH 41

A

A

A

A

BG17

276"HM3"

277"HM3"

278"HM3"

279"HM3"

280"HM3"

281"HM3"

SIGN

"HM3"+03.64, 0.00' RT

"HM3"+21.79 2.00'RT

"HM3"+74.87 0.00'

"HM3"+00.00, 0.00'

BG15

BG16

HINGE POINT LINE

SLOPE INTERCEPT

BEAMGUARD REPLACEMENT (SEE CROSS SECTIONS "NB BG REPLACEMENT NEAR HAMPTON AVE EXIT RAMP, R/L HM3")

FENCE CHAIN LINK 6-FT

EXISTING R/W

NOTES
1. THE LOCATION OF THE BASE PATCHES AS SHOWN IN THE PLANS IS APPROXIMATE AND SHOULD BE VERIFIED IN THE FIELD.

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PLAN DETAIL	SHEET E

PRE_38

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_021202-PD.DWG
LAYOUT NAME - 021208-PD

PLOT DATE : 10/19/2021 10:31 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

INSTALL NEW NOISE WALL N-40-88
(SEE CROSS SECTIONS "SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88, R/L NW1")

EXISTING R/W

HINGE POINT LINE

℄ NW1

18"NW1"

19"NW1"

20"NW1"

21"NW1"

22"NW1"

23"NW1"

SLOPE INTERCEPT

WISDOT ELECTRIC

WISDOT FIBER OPTICS LINE

18"HK"

17"HK"

16"HK"

15"HK"

14"HK"

13"HK"

℄ HK

HAMPTON SB ENTRANCE RAMP

WisDOT Fiber in Grading

WisDOT Electric in Grading

N 117th ST.

SB IH 41

NB IH 41

℄ IH 41

280 281 282 283 284 285 286

A

SIGN

MH

INL

FO

HM3"

"HM3"+00.00, 0.00'

WETLAND BOUNDARY

EXISTING R/W

NOTES
1. THE LOCATION OF THE BASE PATCHES AS SHOWN IN THE PLANS IS APPROXIMATE AND SHOULD BE VERIFIED IN THE FIELD.

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PLAN DETAIL	SHEET E

PRE_39

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_021202-PD.DWG
LAYOUT NAME - 021209-PD

PLOT DATE : 10/19/2021 10:31 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

INSTALL NEW NOISE WALL N-40-88
(SEE CROSS SECTIONS "SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88, R/L NW1")

SLOPE INTERCEPT

WISDOT ELECTRIC

℄ NW1

26"NW1"

25"NW1"

22"HK"

21"HK"

EXISTING R/W

24"NW1"

HINGE POINT LINE

22"NW1"

23"NW1"

20"HK"

WisDOT Electric in Grading

HAMPTON SB ENTRANCE RAMP

19"HK"

℄ HK

WISDOT ELECTRIC

18"HK"

17"HK"

WISDOT ELECTRIC

WISDOT FIBER OPTICS LINE

117th ST.

INL

MH

FO

SIGN

W

E

OHU

SS

HO

"SB1"

A

SB IH 41

WEENERGIES ELECTRIC

284

285

286

287

288

289

290

℄ IH 41

NB IH 41

℄ NB2

"NB2"+65.02
1.85'RT

"NB2"+18.10
0.19'LT

"NB2"+18.10
0.02'LT

BG17

BG15

288"NB2"

289"NB2"

290"NB2"

"NB2"+48.50, 0.00'

HINGE POINT LINE

FLOW LINE

SLOPE INTERCEPT

WETLAND BOUNDARY

INSTALL NEW BEAMGUARD, CONCRETE BARRIER
(SEE CROSS SECTIONS "NB SHOULDER SLOPE IMPROVMENT, R/L NB2")

WISDOT ELECTRIC

NOTES
1. THE LOCATION OF THE BASE PATCHES AS SHOWN IN THE PLANS IS APPROXIMATE AND SHOULD BE VERIFIED IN THE FIELD.

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PLAN DETAIL	SHEET E

PRE_40

2

26"NW1"
25"NW1"
22"HK"
21"HK"
20"HK"
℄ HK
℄ NW1
HINGE POINT LINE
HAMPTON SB ENTRANCE RAMP
EXISTING R/W
SLOPE INTERCEPT
INSTALL NEW NOISE WALL N-40-88
WISDOT ELECTRIC
WISDOT FIBER OPTICS LINE
WISDOT LIGHTING
N
INSTALL NEW BEAMGUARD, CONCRETE BARRIER (SEE CROSS SECTIONS "SB SHOULDER SLOPE IMPROVEMENT, R/L SB1")
SLOPE INTERCEPT
HINGE POINT LINE
FLOW LINE
"SB1"+51.34, 0.00'
291"SB1"
292"SB1"
CBS
BG16
BG15
℄ SB1
"SB1"+95.00 0.00'
"SB1"+31.90 -0.05'LT
SB IH 41
WEENERGIES ELECTRIC
287
288
289
290
291
292
℄ IH 41
NB IH 41
WISCONSIN GAS COMPANY
"NB2"+65.02 1.85'RT
"NB2"+18.10 -0.19'LT
℄ NB2
"NB2"+18.10 -0.02'LT
"NB2"+95.00 -0.01'LT
"NB2"+23.09, 0.00'
288"NB2"
289"NB2"
290"NB2"
291"NB2"
292"NB2"
"NB2"+48.50, 0.00'
BG17
BG15
BG16
CBS
HINGE POINT LINE
SLOPE INTERCEPT
FLOW LINE
INSTALL NEW BEAMGUARD, CONCRETE BARRIER (SEE CROSS SECTIONS "NB SHOULDER SLOPE IMPROVEMENT, R/L NB2")
WISDOT ELECTRIC
EB HAMPTON AVE
WB HAMPTON AVE
HAMPTON NB EXIT RAMP
ANT.

NOTES
1. THE LOCATION OF THE BASE PATCHES AS SHOWN IN THE PLANS IS APPROXIMATE AND SHOULD BE VERIFIED IN THE FIELD.

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PLAN DETAIL	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_021202-PD.DWG
LAYOUT NAME - 021211-PD
PLOT DATE : 10/19/2021 10:33 AM
PLOT BY : VINDEDAHL, EMMA M
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

WISDOT LIGHTING

HAMPTON SB EXIT RAMP

N

INSTALL NEW BEAMGUARD, CONCRETE BARRIER (SEE CROSS SECTIONS "SB SHOULDER SLOPE IMPROVEMENT, R/L SB1")

WISDOT FIBER OPTICS LINE

FLOW LINE

HINGE POINT LINE

SLOPE INTERCEPT

"SB1"+51.34, 0.00'

CBS

BG16

BG15

BG17

"SB1"+10.66, 0.00'

291"SB1"

292"SB1"

293"SB1"

294"SB1"

295"SB1"

℄ SB1

"SB1"+95.00
0.00'

"SB1"+31.90
-0.05'LT

"SB1"+31.90
-0.17'LT

"SB1"+84.99
-2.01'LT

SB IH 41

A

290

291

292

293

294

295

296

INL

℄ IH 41

WISCONSIN GAS COMPANY

NB IH 41

"NB2"+18.10
-0.02'LT

"NB2"+55.00
-0.01'LT

℄ NB2

"NB2"+23.09, 0.00'

290"NB2"

291"NB2"

292"NB2"

BG15

BG16

CBS

HINGE POINT LINE

SLOPE INTERCEPT

FLOW LINE

INSTALL NEW BEAMGUARD, CONCRETE BARRIER (SEE CROSS SECTIONS "NB SHOULDER SLOPE IMPROVEMENT, R/L NB2")

EB HAMPTON AVE

WB HAMPTON AVE

ANT.

HAMPTON NB ENTRANCE RAMP

5"HN"

NOTES
1. THE LOCATION OF THE BASE PATCHES AS SHOWN IN THE PLANS IS APPROXIMATE AND SHOULD BE VERIFIED IN THE FIELD.

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PLAN DETAIL	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_021202-PD.DWG
LAYOUT NAME - 021212-PD

PLOT DATE : 10/19/2021 10:34 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:40 FT

PRE_42

WISDOT/CADDS SHEET 42

2

2

WETLAND BOUNDARY

SLOPE INTERCEPT

BEAMGUARD REPLACEMENT
(SEE CROSS SECTIONS "SB BEAMGUARD
REPLACEMENT NEAR STA 302+49, R/L SB2")

HINGE POINT LINE

EXISTING R/W

N

"SB2"+49.54, 0.00'

"SB2"+66.10
-0.52'LT

"SB2"+01.20, 0.00'

"SB2"+22.86, 0.00'

BG16

BG15

BG18

CG60

303"SB2"

304"SB2"

305"SB2"

℄ SB2

"SB2"+83.57
0.00'

B-40-216

SIGN

SB IH 41

A

A

A

INL

INL

301

302

303

304

305

306

℄ IH 41

+50.66, 4.16' RT

+83.69, 5.25' RT

SIGN

NB IH 41

A

A

A

℄ HN

15"HN"

14"HN1"

13"HN1"

12"HN1"

11"HN1"

"HN1"+69.07, -2.50' LT

"HN1"+12.17
0.00'

"HN1"+29.77
0.00'RT

BG16

CG60

B-40-217

℄ HN1

"HN1"+95.93, 0.00'

"HN1"+76.52
1.96'RT

"HN1"+29.62
0.00'

BG17

HINGE POINT LINE

BG15

SLOPE INTERCEPT

WisDOT Lighting in Grading

WETLAND BOUNDARY

BEAMGUARD REPLACEMENT
(SEE CROSS SECTIONS "NB BG REPLACEMENT AT
HAMPTON AVE ENTRANCE RAMP, R/L HN1")

WETLAND BOUNDARY

EXISTING R/W

NOTES
1. THE LOCATION OF THE BASE PATCHES AS SHOWN IN THE PLANS IS APPROXIMATE AND SHOULD BE VERIFIED IN THE FIELD.

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PLAN DETAIL	SHEET E

PRE_43

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_021202-PD.DWG
LAYOUT NAME - 021213-PD

PLOT DATE : 10/19/2021 10:34 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

EXISTING R/W

SIGN

SLOPE INTERCEPT

BEAMGUARD REPLACEMENT
(SEE CROSS SECTIONS "SB BEAMGUARD
REPLACEMENT NEAR STA 302+49, R/L SB2")

HINGE POINT LINE

"SB2"+66.10
-0.52'LT

"SB2"+01.20, 0.00'

BG16

"SB2"+22.86, 0.00'

WETLAND BOUNDARY

B-40-216

+84.29, -78.42' LT

+21.69
-78.42'LT

"SB2"+49.54, 0.00'

BG15

304"SB2"

303"SB2"

305"SB2"

BG18

℄ SB2

CG60

CSD

"SB2"+83.57
0.00'

SB IH 41

A

303

304

305

306

307

308

+50.66, 4.16' RT

+83.69, 5.25' RT

℄ IH 41

NB IH 41

℄ HN

15"HN"

14"HN1"

13"HN1"

"HN1"+69.07, -2.50' LT

+55.32, 76.99' RT

B-40-217

HN1"

BG17

"HN1"+29.62
0.00'

℄ HN1

"HN1"+12.17
0.00'

"HN1"+29.77
0.00'RT

EXISTING R/W

NOTES
1. THE LOCATION OF THE BASE PATCHES AS SHOWN IN THE PLANS IS APPROXIMATE AND SHOULD BE VERIFIED IN THE FIELD.

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PLAN DETAIL	SHEET E

PRE_44

2

EXISTING R/W

WETLAND BOUNDARY

+84.29, -78.42' LT

BG16

+21.69
-78.42 LT

HINGE POINT LINE

SLOPE INTERCEPT

BG15

BEAMGUARD REPLACEMENT (SEE CROSS SECTIONS "SB BEAMGUARD REPLACEMENT NEAR STA 307+84, C/L IH 41")

N

SIGN

A

A

A

A

SB IH 41

307

308

309

310

311

312

℄ IH 41

A

A

A

A

NB IH 41

CBS

+55.32, 76.99' RT

SIGN

SHOULDER SLOPE IMPROVEMENT (SEE CROSS SECTIONS "NB SHOULDER SLOPE IMPROVEMENT, C/L IH 41")

HINGE POINT LINE

SLOPE INTERCEPT

WETLAND BOUNDARY

EXISTING R/W

NOTES
1. THE LOCATION OF THE BASE PATCHES AS SHOWN IN THE PLANS IS APPROXIMATE AND SHOULD BE VERIFIED IN THE FIELD.

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PLAN DETAIL	SHEET E

PRE_45

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_021202-PD.DWG
LAYOUT NAME - 021215-PD

PLOT DATE : 10/19/2021 10:36 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

WETLAND BOUNDARY

EXISTING R/W

N

WETLAND BOUNDARY

BEAMGUARD REPLACEMENT (SEE CROSS SECTIONS "SB BEAMGUARD REPLACEMENT NEAR STA 307+84, C/L IH 41")

HINGE POINT LINE

SLOPE INTERCEPT

BG15

MH

CG60

BG17

+35.93
-78.91' LT

+61.44
-78.91' LT

+80.08
-79.20' LT

+33.03
-83.98' LT

+14.73
-78.68' LT

SIGN

SB IH 41

A

A

A

A

+13.34, -1.95' LT

+56.66, -2.08' LT

312

313

314

315

316

317

INL

INL

℄ IH 41

SIGN

???

INSTALL NEW SIGN S-40-3062

NB IH 41

A

A

A

A

CBS

WETLAND BOUNDARY

HINGE POINT LINE

MICROWAVE DETECTOR APPROXIMATE LOCATION

FLOW LINE

SLOPE INTERCEPT

SHOULDER SLOPE IMPROVEMENT (SEE CROSS SECTIONS "NB SHOULDER SLOPE IMPROVEMENT, C/L IH 41")

EXISTING R/W

NOTES
1. THE LOCATION OF THE BASE PATCHES AS SHOWN IN THE PLANS IS APPROXIMATE AND SHOULD BE VERIFIED IN THE FIELD.

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PLAN DETAIL	SHEET E

PRE_46

2

2

EXISTING R/W

WETLAND BOUNDARY

SLOPE INTERCEPT

BEAMGUARD REPLACEMENT (SEE CROSS SECTIONS "SB BEAMGUARD REPLACEMENT NEAR STA 307+84, C/L IH 41")

HINGE POINT LINE

BG17

CG24

+80.08
-79.20' LT

+33.03
-83.98' LT

+39.07, -82.18' LT

+14.73
-78.68' LT

N

INL

SB IH 41

A

317 318 319 320 321 322

℄ IH 41

NB IH 41

CBS

FLOW LINE

WETLAND BOUNDARY

HINGE POINT LINE

SHOULDER SLOPE IMPROVEMENT (SEE CROSS SECTIONS "NB SHOULDER SLOPE IMPROVEMENT, C/L IH 41")

SLOPE INTERCEPT

EXISTING R/W

POOL

NOTES
1. THE LOCATION OF THE BASE PATCHES AS SHOWN IN THE PLANS IS APPROXIMATE AND SHOULD BE VERIFIED IN THE FIELD.

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PLAN DETAIL	SHEET E

PRE_47

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_021202-PD.DWG
LAYOUT NAME - 021217-PD
PLOT DATE : 10/19/2021 10:38 AM
PLOT BY : VINDEDAHL, EMMA M
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

EXISTING R/W

WETLAND BOUNDARY

N

+26.72, -63.91' LT

CBS

BG11

+84.64
-63.84' LT

+05.29
-63.84' LT

HINGE POINT LINE

SLOPE INTERCEPT

BG12

+71.00, -64.47' LT

CONNECT TO EXISTING BEAMGUARD

BEAMGUARD REPLACEMENT
(SEE CROSS SECTIONS "SB BEAMGUARD
REPLACEMENT NEAR STA 324+27, C/L IH 41")

A

A

A

324

325

326

327

328

329

℄ IH 41

A

A

A

HINGE POINT LINE

+68.90, 76.81' RT

CBS

SLOPE INTERCEPT

SHOULDER SLOPE IMPROVEMENT
(SEE CROSS SECTIONS "NB SHOULDER SLOPE
IMPROVEMENT, C/L IH 41")

WETLAND BOUNDARY

EXISTING R/W

NOTES
1. THE LOCATION OF THE BASE PATCHES AS SHOWN IN THE PLANS IS APPROXIMATE AND SHOULD BE VERIFIED IN THE FIELD.

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PLAN DETAIL	SHEET E

PRE_48

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_021202-PD.DWG
LAYOUT NAME - 021218-PD

PLOT DATE : 10/19/2021 10:38 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

EXISTING R/W

MH

SIGN

INL

MH

INL

INL

SILVER SPRING SB ENTRANCE RAMP

WISDOT ELECTRIC

N

SIGN

SIGN

SIGN

A

A

A

SB IH 41

+36.11, 1.44' RT

+15.44, -0.71' LT

+30.44, -0.55' LT

+55.42, -0.45' LT

+65.42, -0.41' LT

+19.33, 6.32' RT

329

330

331

332

333

334

335

℄ IH 41

INL

INL

INL

A

A

A

NB IH 41

+95.90
66.00'RT

+49.28
64.00'RT

+65.29, 64.00' RT

BG17

BG16

+88.89, 65.30' RT

SIGN

SIGN

HINGE POINT LINE

SLOPE INTERCEPT

BEAMGUARD REPLACEMENT
(SEE CROSS SECTIONS "NB BEAMGUARD
REPLACEMENT NEAR 331+65, C/L IH 41")

MH

INL

INL

INL

EXISTING R/W

SILVER SPRING NB EXIT RAMP

SIGN

NOTES
1. THE LOCATION OF THE BASE PATCHES AS SHOWN IN THE PLANS IS APPROXIMATE AND SHOULD BE VERIFIED IN THE FIELD.

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PLAN DETAIL	SHEET E

2

SILVER SPRING SB ENTRANCE RAMP

WISDOT ELECTRIC

EB SILVER SPRING DR

WB SILVER SPRING DR

B-40-363

SB IH 41

+66.52, -67.72' LT

+56.58, -67.71' LT

+75.01, -66.75' LT

+36.11, 1.44' RT

+15.44, -0.71' LT

+30.44, -0.55' LT

+55.42, -0.45' LT

+65.42, -0.41' LT

+19.33, 6.32' RT

333 334 335 336 337 338

℄ IH 41

NB IH 41

+95.90 66.00'RT

+49.28 64.00'RT

BG17

BG16

+88.89, 65.30' RT

+41.08, 65.03' RT

B-40-364

+23.08, 65.50' RT

+33.14, 65.54' RT

HINGE POINT LINE

BEAMGUARD REPLACEMENT
(SEE CROSS SECTIONS "NB BEAMGUARD REPLACEMENT NEAR STA 331+65, C/L IH 41")

SLOPE INTERCEPT

SILVER SPRING NB ENTRANCE RAMP

SILVER SPRING NB EXIT RAMP

EXISTING R/W

NOTES
1. THE LOCATION OF THE BASE PATCHES AS SHOWN IN THE PLANS IS APPROXIMATE AND SHOULD BE VERIFIED IN THE FIELD.

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PLAN DETAIL	SHEET E

PRE_50

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_021202-PD.DWG
LAYOUT NAME - 021220-PD

PLOT DATE : 10/19/2021 10:40 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

BEAMGUARD REPLACEMENT
(SEE CROSS SECTIONS "SB BEAMGUARD REPLACEMENT NEAR 338+75, C/L IH 41")

SLOPE INTERCEPT

HINGE POINT LINE

BG16

BG17

+66.52, -67.72' LT

+56.58, -67.71' LT

+75.01, -66.75' LT

+13.30
-66.75' LT

+66.34
-68.75' LT

+26.03, -64.00' LT

SILVER SPRING SB EXIT RAMP

WETLAND BOUNDARY

EXISTING R/W

SIGN

INL

HO

A

339

340

341

342

343

344

℄ IH 41

WEENERGIES ELECTRIC

+00.23, -1.86' LT

+15.23, -1.84' LT

+14.72, 66.26' RT

+42.72, 66.02' RT

MH

SILVER SPRING NB ENTRANCE RAMP

WETLAND BOUNDARY

NOTES
1. THE LOCATION OF THE BASE PATCHES AS SHOWN IN THE PLANS IS APPROXIMATE AND SHOULD BE VERIFIED IN THE FIELD.

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PLAN DETAIL	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_021202-PD.DWG
LAYOUT NAME - 021221-PD

PLOT DATE : 10/19/2021 10:41 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:40 FT

PRE_51

2

2

EXIST ROW

SIGN

MH

19"CB"

20"CB"

21"CB"

22"CB"

23"CB"

24"CB"

CAPITOL SB EXIT RAMP

244"AUX"

245"AUX"

246"AUX"

247"AUX"

248"AUX"

BEGIN PROJECT
STA 243+34.77
Y=318,939.493
X=566,269.578

SB IH 41

INLET PROTECTION TYPE D

INLET PROTECTION TYPE D

243

244

245

246

247

248

INL

NB IH 41

MH

CAPITOL NB ENTRANCE RAMP

INL

MH

SIGN

EXIST ROW

LEGEND

INLET PROTECTION

SEED AND MULCH

SOD

DITCH CHECK

SILT FENCE

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET E

PRE_52

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_022001_EC.DWG
LAYOUT NAME - 022001_ec

PLOT DATE : 9/24/2021 2:52 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

EXIST ROW

N

23"CB"

24"CB"

25"CB"

26"CB"

248"AUX"

249"AUX"

250"AUX"

251"AUX"

252"AUX"

253"AUX"

SB IH 41

248

249

250

251

252

253

INLET PROTECTION TYPE D

INLET PROTECTION TYPE D

NB IH 41

INLET PROTECTION TYPE D

CAPITOL NB ENTRANCE RAMP

52"CD1"

53"CD1"

EXIST ROW

LEGEND

INLET PROTECTION

SEED AND MULCH

SOD

DITCH CHECK

SILT FENCE

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET E

PRE_53

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_022001_EC.DWG
LAYOUT NAME - 022002_ec

PLOT DATE : 9/24/2021 2:52 PM

PLOT BY : VINDEDAHL, EMMA M

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

EXIST ROW

253"AUX" 254"AUX" 255"AUX" 256"AUX" 257"AUX" 258"AUX"

SB IH 41

253 254 255 256 257 258

INLET PROTECTION TYPE D

INLET PROTECTION TYPE D

NB IH 41

SIGN

53"CD1" 54"CD1" 55"CD1" 56"CD1" 57"CD1" 58"CD1"

LEGEND

- INLET PROTECTION
- SEED AND MULCH
- SOD
- DITCH CHECK
- SILT FENCE

EXIST ROW

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET E

PRE_54

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_022001_EC.DWG
LAYOUT NAME - 022003_ec

PLOT DATE : 9/24/2021 2:53 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

EXIST ROW

N

MH

258"AUX" 259"AUX" 260"AUX" 261"AUX" 262"AUX" 263"AUX" 264"

SB IH 41

INLET PROTECTION TYPE D

INLET PROTECTION TYPE D

258 259 260 261 262 263 264

INLET PROTECTION TYPE D

NB IH 41

58"CD1" 59"CD1"

263"NB1" 264"NB

SIGN

LEGEND

- INLET PROTECTION
- SEED AND MULCH
- SOD
- DITCH CHECK
- SILT FENCE

EXIST ROW

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET E

PRE_55

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_022001_EC.DWG
LAYOUT NAME - 022004_ec

PLOT DATE : 9/24/2021 2:54 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

EXIST ROW

N

SIGN

MH

SIGN

264"AUX"

265"AUX"

266"AUX"

267"AUX"

268"AUX"

1"HK"

269"AUX"

SB IH 41

INLET PROTECTION TYPE D

INLET PROTECTION TYPE D

264

265

266

267

268

269

NB IH 41

264"NB1"

265"NB1"

MH

SIGN

EXIST ROW

LEGEND

INLET PROTECTION

SEED AND MULCH

SOD

DITCH CHECK

SILT FENCE

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET E

PRE_56

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_022001_EC.DWG
LAYOUT NAME - 022005_ec

PLOT DATE : 9/24/2021 2:54 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

EXIST ROW

N

SIGN

1"HK" 269"AUX" 2"HK" 270"AUX" 3"HK" 271"AUX" 4"HK" 272"AUX" 5"HK" 273"AUX" 6"HK" 274"AUX"

SB IH 41

INLET PROTECTION TYPE D

269 270 271 272 273 274

INLET PROTECTION TYPE D

NB IH 41

LEGEND

- INLET PROTECTION
- SEED AND MULCH
- SOD
- DITCH CHECK
- SILT FENCE

EXIST ROW

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET E

PRE_57

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_022001_EC.DWG
LAYOUT NAME - 022006_ec
PLOT DATE : 9/24/2021 2:55 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

EXIST ROW

7"HK" 8"HK" 9"HK" 10"HK" 11"HK" 12"HK"

274"AUX" 275"AUX" 276"AUX" 277"AUX" 278"AUX"

HAMPTON SB ENTRANCE RAMP

SB IH 41

INLET PROTECTION TYPE D

INLET PROTECTION TYPE D

274 275 276 277 278 279

NB IH 41

276"HM3" 277"HM3" 278"HM3" 279"HM3" 280"HM3"

SIGN

LEGEND

- INLET PROTECTION
- SEED AND MULCH
- SOD
- DITCH CHECK
- SILT FENCE

EXIST ROW

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET E

PRE_58

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_022001_EC.DWG
LAYOUT NAME - 022007_ec

PLOT DATE : 9/24/2021 2:55 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

EXIST ROW

INLET PROTECTION TYPE D

12"HK"

13"HK"

14"HK"

15"HK"

16"HK"

17"HK"

HAMPTON SB ENTRANCE RAMP

N 117th ST

SB IH 41

INLET PROTECTION TYPE D

INLET PROTECTION TYPE D

279

280

281

282

283

284

285

NB IH 41

HAMPTON NB EXIT RAMP

SIGN

281"HM3"

SIGN

EXIST ROW

LEGEND

INLET PROTECTION

SEED AND MULCH

SOD

DITCH CHECK

SILT FENCE

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET E

PRE_59

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_022001_EC.DWG
LAYOUT NAME - 022008_ec

PLOT DATE : 9/24/2021 2:56 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

EXIST ROW

HAMPTON SB ENTRANCE RAMP

22"HK"

21"HK"

20"HK"

19"HK"

18"HK"

INL

MH

ST.

SIGN

W

I SIGN

INLET PROTECTION TYPE D

SB IH 41

285

286

287

288

289

290

NB IH 41

288"NB2"

289"NB2"

290"NB2"

SIGN

HAMPTON NB EXIT RAMP

LEGEND

- INLET PROTECTION
- SEED AND MULCH
- SOD
- DITCH CHECK
- SILT FENCE

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_022001_EC.DWG
LAYOUT NAME - 022009_ec

PLOT DATE : 9/24/2021 2:56 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:40 FT

PRE_60

2

2

EB HAMPTON AVE

WB HAMPTON AVE

HAMPTON SB EXIT RAMP

N

INLET PROTECTION TYPE D

INLET PROTECTION TYPE D

INLET PROTECTION TYPE D

INLET PROTECTION TYPE D

INLET PROTECTION TYPE D

INLET PROTECTION TYPE D

INLET PROTECTION TYPE D

291"SB1"

292"SB1"

293"SB1"

294"SB1"

295"SB1"

SB IH 41

NB IH 41

290

291

292

293

294

295

296

29"HEB"

29"HWB"

30"HEB"

30"HWB"

290"NB2"

291"NB2"

292"NB2"

31"HEB"

31"HWB"

32"

32"H

5"HN"

6"H

MH

INL

SIGN

I SIGN

ANT.

LEGEND

INLET PROTECTION

SEED AND MULCH

SOD

DITCH CHECK

SILT FENCE

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET E

PRE_61

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_022001_EC.DWG
LAYOUT NAME - 022010_ec

PLOT DATE : 9/24/2021 2:57 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

INLET PROTECTION

SEED AND MULCH

SOD

DITCH CHECK

SILT FENCE

N

MH

MH

HAMPTON SB EXIT RAMP

SIGN

B1"

SB IH 41

INLET PROTECTION TYPE D

INLET PROTECTION TYPE D

5

296

297

298

299

300

301

NB IH 41

INLET PROTECTION TYPE A

NL

INLET PROTECTION TYPE D

11"HN"

10"HN"

9"HN"

8"HN"

7"HN"

6"HN"

5"HN"

HAMPTON NB ENTRANCE RAMP

INLET PROTECTION TYPE D

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET E

PRE_62

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_022001_EC.DWG
LAYOUT NAME - 022011_ec

PLOT DATE : 9/24/2021 2:58 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

EXIST ROW

SIGN

N

303"SB2"

304"SB2"

305"SB2"

HAMPTON SB EXIT RAMP

SIGN

INLET PROTECTION TYPE D

INLET PROTECTION TYPE D

SB IH 41

301

302

303

304

305

306

SIGN

NB IH 41

INLET PROTECTION TYPE D

HAMPTON NB ENTRANCE RAMP

11"HN"

12"HN"

13"HN"

14"HN"

15"HN"

16"HN"

LEGEND

INLET PROTECTION

SEED AND MULCH

SOD

DITCH CHECK

SILT FENCE

EXIST ROW

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET E

PRE_63

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_022001_EC.DWG
LAYOUT NAME - 022012_ec

PLOT DATE : 9/24/2021 2:58 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

EXIST ROW

SB IH 41

306 307 308 309 310 311

NB IH 41

16"HN" 17"HN"

308"NB3" 309"NB3" 310"NB3" 311"NB3"

EXIST ROW

LEGEND

- INLET PROTECTION
- SEED AND MULCH
- SOD
- DITCH CHECK
- SILT FENCE

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET E

PRE_64

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_022001_EC.DWG
LAYOUT NAME - 022013_ec

PLOT DATE : 9/24/2021 2:59 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- INLET PROTECTION
- SEED AND MULCH
- SOD
- DITCH CHECK
- SILT FENCE

EXIST ROW

N

MH

SIGN

INLET PROTECTION TYPE D

SB IH 41

INLET PROTECTION TYPE D

311 312 313 314 315 316

SIGN

NB IH 41

311"NB3" 312"NB3" 313"NB3" 314"NB3" 315"NB3" 316"NB3" 317"NB

EXIST ROW

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET E

PRE_65

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_022001_EC.DWG
LAYOUT NAME - 022014_ec

PLOT DATE : 9/24/2021 2:59 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

INLET PROTECTION

SEED AND MULCH

SOD

DITCH CHECK

SILT FENCE

EXIST ROW

N

SILVER SPRING SB ENTRANCE RAMP

SB IH 41

INLET PROTECTION TYPE D

INLET PROTECTION TYPE D

INLET PROTECTION TYPE D

316 317 318 319 320 321 322

NB IH 41

316"NB3" 317"NB3" 318"NB3" 319"NB3" 320"NB3" 321"NB3" 322"NB3"

EXIST ROW

2

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET E

PRE_66

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_022001_EC.DWG
LAYOUT NAME - 022015_ec

PLOT DATE : 9/24/2021 3:00 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

INLET PROTECTION

SEED AND MULCH

SOD

DITCH CHECK

SILT FENCE

EXIST ROW

N

MH

INL

SILVER SPRING SB ENTRANCE RAMP

INLET PROTECTION TYPE D

SB IH 41

321 322 323 324 325 326 327

INLET PROTECTION TYPE D

INLET PROTECTION TYPE D

NB IH 41

SILVER SPRING NB EXIT RAMP

"NB3" 322"NB3"

SIGN

EXIST ROW

SIGN

POOL

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET E

PRE_67

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_022001_EC.DWG
LAYOUT NAME - 022016_ec

PLOT DATE : 9/24/2021 3:00 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

SILVER SPRING SB ENTRANCE RAMP

SILVER SPRING NB EXIT RAMP

SB IH 41

NB IH 41

INLET PROTECTION TYPE D

INLET PROTECTION TYPE D

INLET PROTECTION TYPE D

EXIST ROW

327 328 329 330 331 332

MH

SIGN

INL

N

LEGEND

- INLET PROTECTION
- SEED AND MULCH
- SOD
- DITCH CHECK
- SILT FENCE

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET E

PRE_68

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_022001_EC.DWG
LAYOUT NAME - 022017_ec

PLOT DATE : 9/24/2021 3:01 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

SILVER SPRING SB ENTRANCE RAMP

SB IH 41

INLET PROTECTION TYPE D

INLET PROTECTION TYPE D

NB IH 41

SILVER SPRING NB EXIT RAMP

EB SILVER SPRING DR

WB SILVER SPRING DR

121"SP"

122"SP"

123"SP"

332 333 334 335 336 337 338

N

LEGEND

- INLET PROTECTION
- SEED AND MULCH
- SOD
- DITCH CHECK
- SILT FENCE

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET E

PRE_69

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_022001_EC.DWG
LAYOUT NAME - 022018_ec

PLOT DATE : 9/24/2021 3:01 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- INLET PROTECTION
- SEED AND MULCH
- SOD
- DITCH CHECK
- SILT FENCE

SILVER SPRING SB EXIT RAMP

SB IH 41

INLET PROTECTION TYPE D

INLET PROTECTION TYPE D

338 339 340 341 342 343

NB IH 41

SILVER SPRING NB ENTRANCE RAMP

EXIST ROW

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET E

PRE_70

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_022001_EC.DWG
LAYOUT NAME - 022019_ec

PLOT DATE : 9/24/2021 3:02 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

EXIST ROW

SIGN

INLET PROTECTION TYPE D

INLET PROTECTION TYPE D

SILVER SPRING SB EXIT RAMP

SB IH 41

INLET PROTECTION TYPE D

INLET PROTECTION TYPE D

END PROJECT
STA 348+72.43

343 344 345 346 347 348

NB IH 41

SILVER SPRING NB ENTRANCE RAMP

EXIST ROW

LEGEND

- INLET PROTECTION
- SEED AND MULCH
- SOD
- DITCH CHECK
- SILT FENCE

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET E

PRE_71

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_022001_EC.DWG
LAYOUT NAME - 022020_ec

PLOT DATE : 9/24/2021 3:03 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

BEGIN PROJECT 1100-20-71
STA 243+34.77
MATCH EXISTING
SAW CUT REQ'D

PROPOSED RIPRAP CHECK DAM
TYP. 4 THIS SHEET

WETLAND BOUNDARY

FLOW LINE

R/L CB

R/L AUX

R/L CD1

C/L IH 41

5-3 REHAB INLET

5-4 REHAB INLET

5-5 REHAB INLET

5-6 REHAB INLET

5-7 REHAB INLET

5-8 REHAB INLET

5-9 REHAB INLET

20"CB"
22"CB"
24"CB"
26"CB"
244"AUX"
246"AUX"
248"AUX"
250"AUX"
252"AUX"
254"AUX"
256"AUX"
52"CD1"
54"CD1"
56"CD1"

244
246
248
250
252
254
256

END PROJECT 1100-20-70
STA 243+34.77
MATCH EXISTING
SAW CUT REQ'D

WETLAND BOUNDARY

EXISTING R/W

MATCHLINE: STA. 258+00.00

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	STORM SEWER PLAN	SHEET E

PRE_72

FILE NAME : I:\79555\C3D\1100-20-00\SHEETSPLAN\022502_SS.DWG
LAYOUT NAME - _001
PLOT DATE : 10/6/2021 3:23 PM
PLOT BY : ANDREW SZYMASZEK
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

N

MATCHLINE: STA. 258+00.00

MATCHLINE: STA. 272+00.00

PROPOSED RIPRAP CHECK DAM
TYP. 5 THIS SHEET

WETLAND BOUNDARY

EXISTING R/W

FLOW LINE

R/L HK

R/L AUX

260"AUX"

262"AUX"

264"AUX"

266"AUX"

268"AUX"

270"AUX"

2"HK"

4"HK"

5-11 REHAB INLET

SB IH 41

5-14 REHAB INLET

5-18 REHAB INLET

5-13 REHAB INLET

5-16 REHAB INLET

5-17 REHAB INLET

5-19 REHAB INLET

C/L IH 41

5-10 REHAB INLET

NB IH 41

5-12 REHAB INLET

R/L NB1

264"NB1"

R/L CD1

EXISTING 9'x13' BOX CULVERT

EXISTING R/W

LITTLE MENOMONEE R.

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	STORM SEWER PLAN	SHEET E

PRE_73

FILE NAME : I:\79555\C3D\1100-20-00\SHEETSPLAN\022502_SS.DWG
LAYOUT NAME - _002

PLOT DATE : 10/6/2021 3:23 PM

PLOT BY : ANDREW SZYMASZEK

PLOT NAME :

PLOT SCALE : 1 IN:100 FT

2

N

SLOPE INTERCEPT

6"HK"

8"HK"

10"HK"

12"HK"

14"HK"

16"HK"

18"HK"

HAMPTON SB ENTRANCE RAMP

274"AUX"

276"AUX"

278"AUX"

R/L HK

R/L AUX

SB IH 41

6-1 REHAB INLET

6-2 REHAB INLET

6-3 REHAB INLET

6-4 REHAB INLET

7-1 REHAB INLET

7-2 REHAB INLET

7-3 REHAB INLET

7-4 REHAB INLET

7-5 REHAB INLET

7-6 REHAB INLET

C/L IH 41

NB IH 41

R/L HM3

276"HM3"

278"HM3"

280"HM3"

HAMPTON NB EXIT RAMP

EXISTING R/W

LITTLE MENOMONEE R.

N 117th ST.

MATCHLINE: STA. 272+00.00

MATCHLINE: STA. 287+00.00

2

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	STORM SEWER PLAN	SHEET E

PRE_74

FILE NAME : I:\79555\C3D\1100-20-00\SHEETSPLAN\022502_SS.DWG
LAYOUT NAME - _003

PLOT DATE : 10/6/2021 3:24 PM PLOT BY : ANDREW SZYMASZEK PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

MATCHLINE: STA. 287+00.00

MATCHLINE: STA. 302+00.00

N

SLOPE INTERCEPT

22"HK"

20"HK"

HAMPTON SB ENTRANCE RAMP

R/L HK

EXISTING R/W

WETLAND BOUNDARY

HAMPTON SB EXIT RAMP

FLOW LINE

291"SB1"

292"SB1"

293"SB1"

294"SB1"

295"SB1"

SB IH 41

R/L SB1

7-7 REHAB INLET

7-8 REHAB INLET

7-9 REHAB INLET

7-10 REHAB INLET

8-1 REHAB INLET

8-2 REHAB INLET

8-3 REHAB INLET

8-4 REHAB INLET

C/L IH 41

NB IH 41

R/L NB2

288"NB2"

289"NB2"

290"NB2"

291"NB2"

292"NB2"

FLOW LINE

WETLAND BOUNDARY

R/L HN

R/L HN1

10"HN"

8"HN"

6"HN"

4"HN"

2"HN"

HAMPTON NB ENTRANCE RAMP

HAMPTON NB EXIT RAMP

BEGIN CONSTRUCTION RAMP "HN"
STA 3+22.98 "HN"

WETLAND BOUNDARY

EXISTING R/W

EB HAMPTON AVE

WB HAMPTON AVE

W DERBY AVE.

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	STORM SEWER PLAN	SHEET PRE_75 E

FILE NAME : I:\79555\C3D\1100-20-00\SHEETSPLAN\022502_SS.DWG
LAYOUT NAME - _004

PLOT DATE : 10/6/2021 3:25 PM PLOT BY : ANDREW SZYMASZEK PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

MATCHLINE: STA. 302+00.00

MATCHLINE: STA. 317+00.00

LITTLE MENOMONEE R.

EXISTING R/W

WETLAND BOUNDARY

EXISTING R/W

SB IH 41

NB IH 41

C/L IH 41

8-5

8-6

8-7

8-8

8-9

8-10

8-11

8-12

8-13

8-14

8-15

8-16

8-17 REHAB INLET

8-18 REHAB INLET

R/L HN1

R/L HN

R/L NB3

CONNECT TO EXISTING STORM SEWER

WETLAND BOUNDARY

SLOPE INTERCEPT

PROPOSED UNDERDRAIN

FLOW LINE

WETLAND BOUNDARY

NOISE WALL

EXISTING R/W

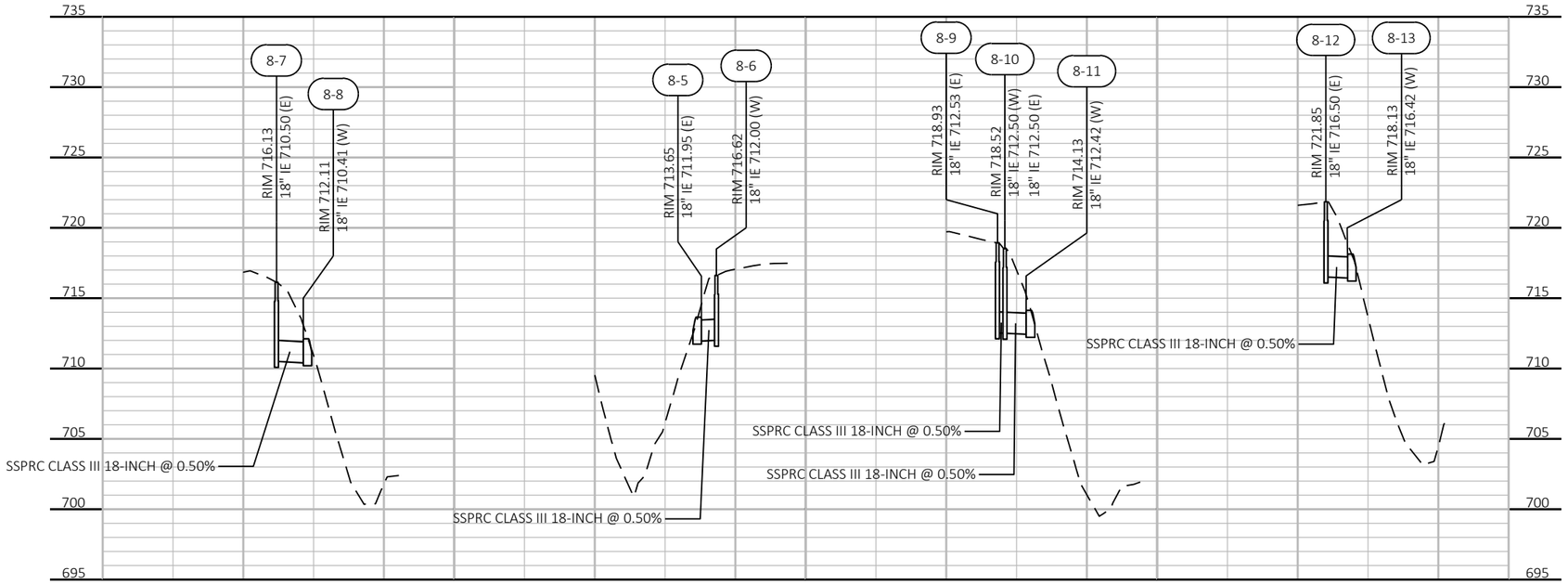
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	STORM SEWER PLAN	SHEET E

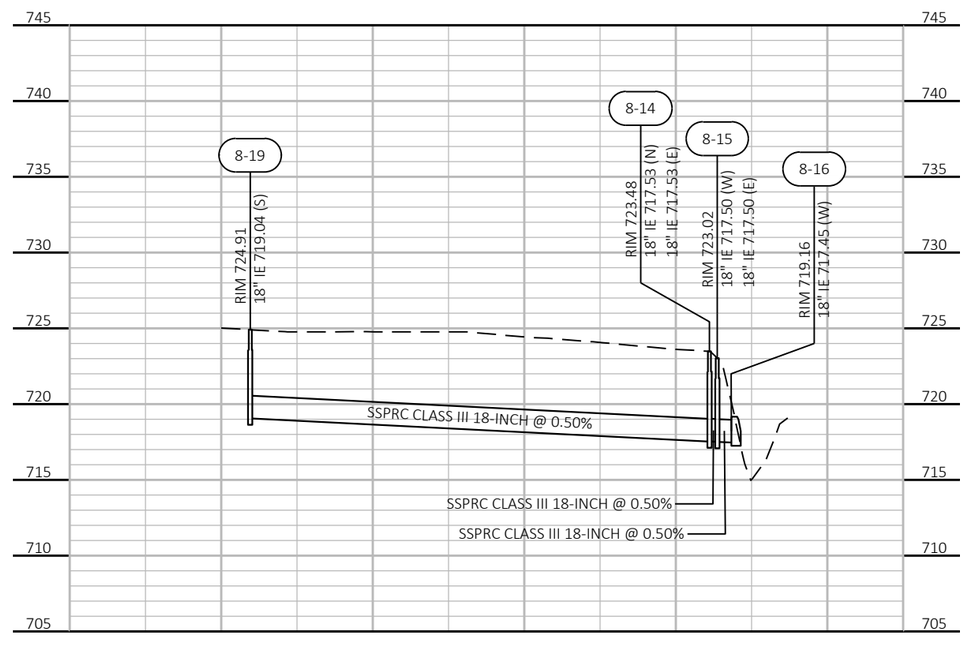
PRE_76

FILE NAME : I:\79555\C3D\1100-20-00\SHEETSPLAN\022502_SS.DWG
LAYOUT NAME - _005

PLOT DATE : 10/6/2021 3:25 PM PLOT BY : ANDREW SZYMASZEK PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42





PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	STORM SEWER PROFILE	SHEET E

PRE_77

2

2

MATCHLINE: STA. 317+00.00

MATCHLINE: STA. 331+00.00

N

EXISTING R/W

WETLAND BOUNDARY

SILVER SPRING SB ENTRANCE RAMP

CONNECT TO EXISTING STORM SEWER

SB IH 41

8-20 REHAB INLET

9-5 REHAB INLET

9-10 REHAB INLET

9-15 REHAB INLET

9-17 REHAB INLET

318

320

322

324

326

328

330

8-21 REHAB INLET

9-6 REHAB INLET

9-11 REHAB INLET

9-16 REHAB INLET

9-18 REHAB INLET

NB IH 41

C/L IH 41

8-19

9-1

9-3

R/L NB3

9-7

9-8

9-12

318"NB3"

320"NB3"

322"NB3"

9-9

9-13

SILVER SPRING NB EXIT RAMP

FLOW LINE

9-2

9-4

SLOPE INTERCEPT

PROPOSED UNDERDRAIN

NOISE WALL

EXISTING R/W

R/L NB3

WETLAND BOUNDARY

POOL

FILLER CAPS

CANOPY

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	STORM SEWER PLAN	SHEET E

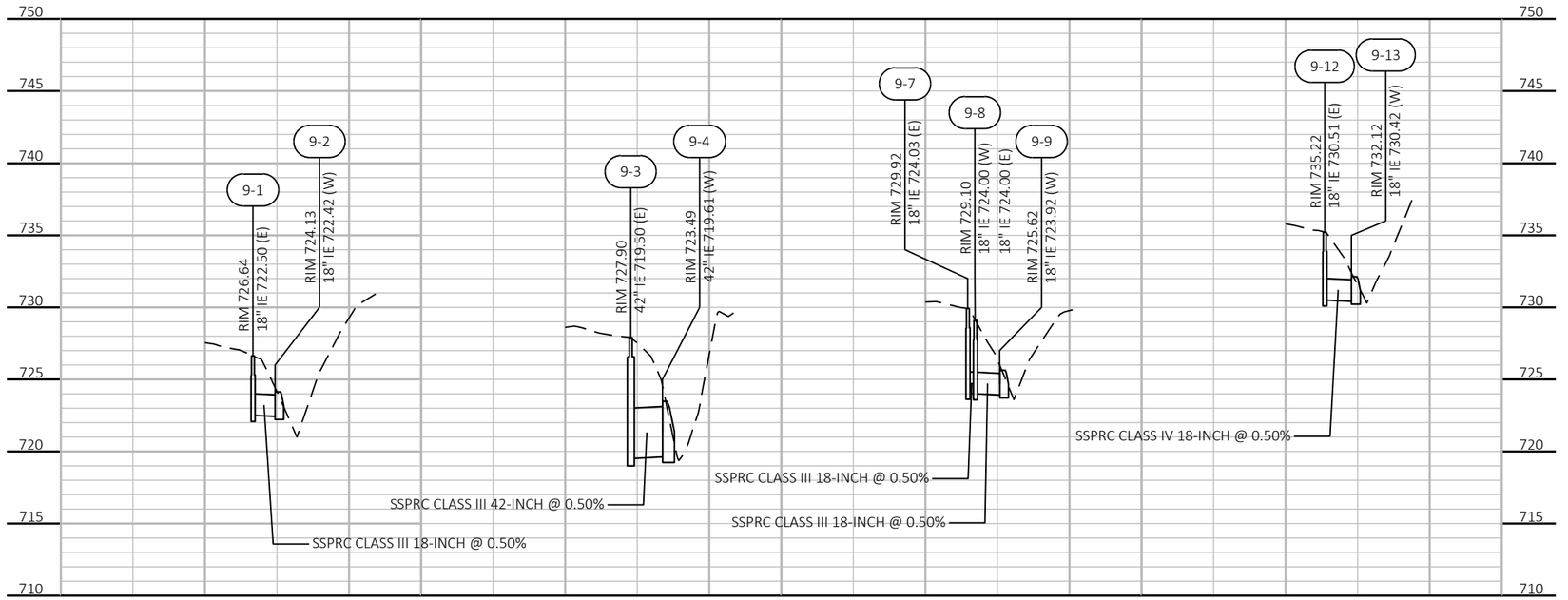
FILE NAME : I:\79555\C3D\1100-20-00\SHEETSPLAN\022502_SS.DWG
LAYOUT NAME - _006

PLOT DATE : 10/6/2021 3:27 PM PLOT BY : ANDREW SZYMASZEK PLOT NAME : PLOT SCALE : 1 IN:100 FT

PRE_78

WISDOT/CADDS SHEET 42

2



PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	STORM SEWER PROFILE	SHEET E

PRE_79

FILE NAME : I:\79555\C3D\1100-20-00\SHEETSPLAN\022502_SS.DWG
LAYOUT NAME - _006(1)

PLOT DATE : 10/6/2021 3:27 PM PLOT BY : ANDREW SZYMASZEK PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

MATCHLINE: STA. 331+00.00

N

EB SILVER SPRING DR

WB SILVER SPRING DR

118"SP"

120"SP"

122"SP"

124"SP"

126"SP"

WETLAND BOUNDARY

EXISTING R/W

SILVER SPRING SB ENTRANCE RAMP

SILVER SPRING SB EXIT RAMP

SILVER SPRING NB EXIT RAMP

SILVER SPRING NB ENTRANCE RAMP

C/L IH 41

NB IH 41

R/L SP

9-19 REHAB INLET

10-1 REHAB INLET

10-2 REHAB INLET

10-3 REHAB INLET

10-4 REHAB INLET

10-5 REHAB INLET

10-6 REHAB INLET

10-7 REHAB INLET

332

334

336

338

340

342

344

12"

15"

SS

INL

MH

SIGN

PARKING

FILLER CAPS

CANOPY

G.P.

MATCHLINE: STA. 346+00.00

2

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	STORM SEWER PLAN	SHEET E

FILE NAME : I:\79555\C3D\1100-20-00\SHEETSPLAN\022502_SS.DWG
LAYOUT NAME - _007

PLOT DATE : 10/6/2021 3:28 PM PLOT BY : ANDREW SZYMASZEK PLOT NAME : PLOT SCALE : 1 IN:100 FT

PRE_80

WISDOT/CADDS SHEET 42

2

2

MATCHLINE: STA. 346+00.00

EXISTING R/W

END PROJECT 1100-20-71
STA 348+72.43
MATCH EXISTING
SAW CUT REQ'D

10-8 REHAB INLET

10-9 REHAB INLET

C/L IH 41

SB IH 41

NB IH 41

C/L IH 41

346 348 350 352 354 356 358 360

N 117th ST.

W CARMEN AVE.

N LOVERS LN

UNION PACIFIC

WETLAND BOUNDARY

EXISTING R/W

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	STORM SEWER PLAN	SHEET E

FILE NAME : I:\79555\C3D\1100-20-00\SHEETSPLAN\022502_SS.DWG
LAYOUT NAME - _008

PLOT DATE : 10/6/2021 3:29 PM PLOT BY : ANDREW SZYMASZEK PLOT NAME : PLOT SCALE : 1 IN:100 FT

PRE_81

WISDOT/CADDS SHEET 42

2

2

N

EXISTING LIGHT CONTROLLER

HL-40-CD	
A,C,5,7	BLACK
B,D,6,8	BLACK
N	WHITE
GND	GREEN OR BARE
A,B,C,D	45A
5,6,7,8	30A
480VAC 2 WIRE GROUNDED NEUTRAL	

EXISTING LIGHT CONTROLLER

HL-40-HM	
A,C,E	BLACK
B,D,F	BLACK
N	WHITE
GND	GREEN OR BARE
A,B,C	30A
D,E,F	30A
480VAC 2 WIRE GROUNDED NEUTRAL	

EXISTING LIGHT CONTROLLER

HL-40-SL	
A,C,E	BLACK
B,D,F	BLACK
N	WHITE
GND	GREEN OR BARE
A,B,C,D,E,F	30A
240/480VAC 3 WIRE GROUNDED NEUTRAL	

EXISTING LIGHT CONTROLLER

HL-40-CM	
A,B,C,D	BLACK
A,B,C,D	30A
480VAC 2 WIRE GROUNDED NEUTRAL	

EXISTING LIGHT CONTROLLER

HL-40-DP	
A,C,E	RED
B,D,F	BLACK
N	WHITE
GND	GREEN OR BARE
A,B,E,F	40A
C,D	30A
240/480VAC 3 WIRE GROUNDED NEUTRAL	

EXISTING LIGHT CONTROLLER

HL-40-BS	
A,B,C,D,E	BLACK
A,B,C,D,E	30 A
480VAC 2 WIRE GROUNDED NEUTRAL	

EXISTING LIGHT CONTROLLER

HL-40-CC	
A,C	RED
B,D	BLACK
N	WHITE
GND	GREEN OR BARE
A,B,C,D	30 A
120/480VAC 3 WIRE GROUNDED NEUTRAL	

EXISTING LIGHT CONTROLLER

HL-40-LX	
A,C,E	RED
B,D,F	BLACK
N	WHITE
GND	GREEN OR BARE
A,B,C,D,E,F	30 A
240/480VAC 3 WIRE GROUNDED NEUTRAL	

EXISTING LIGHT CONTROLLER

HL-40-AP	
A,C	RED
B,D	BLACK
N	WHITE
GND	GREEN OR BARE
A,B,C,D	30 A
240/480VAC 3 WIRE GROUNDED NEUTRAL	

EXISTING LIGHT CONTROLLER

HL-40-WG	
A,C,E,G,J,L	RED
B,D,F,H,K,M	BLACK
N	WHITE
GND	GREEN
A,C,E,G,J,L	30 A
B,D,F,H,K,M	30 A
240/480VAC 3 WIRE GROUNDED NEUTRAL	

W BURLEIGH ST.
W CENTER ST.
UNION PACIFIC RAILROAD
USH 45/IH 41
W CAPITOL DR.
W HAMPTON AVE.
W SILVER SPRING DR.
W CARMEN AVE.
W FLORIST AVE.
W MILL RD.
GOOD HOPE RD.
N LOVERS LANE RD.
STH 175
STH 145

1100-20-70 | 1100-20-71

PROJECT NO: 1100-20-71	HWY: IH 41/USH 45	COUNTY: MILWAUKEE	LIGHTING PLANS - REMOVALS OVERVIEW	SHEET E

PRE_82

FILE NAME : W:\PROJECTS\19254\1100-20-00\05_CADD\CADD SHEETS\020201-PO 71.DWG
LAYOUT NAME - 020201-po REMOVAL
PLOT DATE : 10/15/2021 5:23 PM PLOT BY : WILLIAM NEAVE PLOT NAME : PLOT SCALE : Custom

2

2

N

EXISTING LIGHT CONTROLLER

HL-40-CD	
A,C,5,7	BLACK
B,D,6,8	BLACK
N	WHITE
GND	GREEN OR BARE
A,B,C,D	45A
5,6,7,8	30A
480VAC 2 WIRE GROUNDED NEUTRAL	

EXISTING LIGHT CONTROLLER

HL-40-HM	
A,C,E	BLACK
B,D,F	BLACK
N	WHITE
GND	GREEN OR BARE
A,B,C	30A
D,E,F	30A
480VAC 2 WIRE GROUNDED NEUTRAL	

EXISTING LIGHT CONTROLLER

HL-40-SL	
A,C,E	BLACK
B,D,F	BLACK
N	WHITE
GND	GREEN OR BARE
A,B,C,D,E,F	30A
240/480VAC 3 WIRE GROUNDED NEUTRAL	

EXISTING LIGHT CONTROLLER

HL-40-CM	
A,B,C,D	BLACK
A,B,C,D	30A
480VAC 2 WIRE GROUNDED NEUTRAL	

EXISTING LIGHT CONTROLLER

HL-40-DP	
A,C,E	RED
B,D,F	BLACK
N	WHITE
GND	GREEN OR BARE
A,B,E,F	40A
C,D	30A
240/480VAC 3 WIRE GROUNDED NEUTRAL	

EXISTING LIGHT CONTROLLER

HL-40-BS	
A,B,C,D,E	BLACK
A,B,C,D,E	30 A
480VAC 2 WIRE GROUNDED NEUTRAL	

EXISTING LIGHT CONTROLLER

HL-40-CC	
A,C	RED
B,D	BLACK
N	WHITE
GND	GREEN OR BARE
A,B,C,D	30 A
120/480VAC 3 WIRE GROUNDED NEUTRAL	

EXISTING LIGHT CONTROLLER

HL-40-LX	
A,C,E	RED
B,D,F	BLACK
N	WHITE
GND	GREEN OR BARE
A,B,C,D,E,F	30 A
240/480VAC 3 WIRE GROUNDED NEUTRAL	

EXISTING LIGHT CONTROLLER

HL-40-AP	
A,C	RED
B,D	BLACK
N	WHITE
GND	GREEN OR BARE
A,B,C,D	30 A
240/480VAC 3 WIRE GROUNDED NEUTRAL	

EXISTING LIGHT CONTROLLER

HL-40-WG	
A,C,E,G,J,L	RED
B,D,F,H,K,M	BLACK
N	WHITE
GND	GREEN
A,C,E,G,J,L	30 A
B,D,F,H,K,M	30 A
240/480VAC 3 WIRE GROUNDED NEUTRAL	

W BURLEIGH ST.
W CENTER ST.
UNION PACIFIC RAILROAD
USH 45/IH 41
W SILVER SPRING DR.
W CARMEN AVE.
W FLORIST AVE.
W MILL RD.
GOOD HOPE RD.
N LOVERS LANE RD.
W CAPITOL DR.
W HAMPTON AVE.
STH 175
STH 145

1100-20-70 | 1100-20-71

PROJECT NO: 1100-20-71	HWY: IH 41/USH 45	COUNTY: MILWAUKEE	LIGHTING PLANS - TEMPORARY OVERVIEW	SHEET E

PRE_83

FILE NAME : W:\PROJECTS\19254\1100-20-00\05_CADD\CADD SHEETS\020201-PO 71.DWG
LAYOUT NAME - 020201-po TEMPORARY
PLOT DATE : 10/15/2021 5:15 PM PLOT BY : WILLIAM NEAVE PLOT NAME : PLOT SCALE : Custom

2

2

N

W CENTER ST.

W BURLEIGH ST.

UNION PACIFIC RAILROAD

USH 45/IH 41

W SILVER SPRING DR.

W CARMEN AVE.

W FLORIST AVE.

W MILL RD.

GOOD HOPE RD.

N LOVERS LANE RD.

W CAPITOL DR.

W HAMPTON AVE.

STH 175

STH 145

EXISTING LIGHT CONTROLLER

HL-40-CD	
A,C,5,7	BLACK
B,D,6,8	BLACK
N	WHITE
GND	GREEN OR BARE
A,B,C,D	45A
5,6,7,8	30A
480VAC 2 WIRE GROUNDED NEUTRAL	

EXISTING LIGHT CONTROLLER

HL-40-HM	
A,C,E	BLACK
B,D,F	BLACK
N	WHITE
GND	GREEN OR BARE
A,B,C	30A
D,E,F	30A
480VAC 2 WIRE GROUNDED NEUTRAL	

EXISTING LIGHT CONTROLLER

HL-40-SL	
A,C,E	BLACK
B,D,F	BLACK
N	WHITE
GND	GREEN OR BARE
A,B,C,D,E,F	30A
240/480VAC 3 WIRE GROUNDED NEUTRAL	

EXISTING LIGHT CONTROLLER

HL-40-CM	
A,B,C,D	BLACK
A,B,C,D	30A
480VAC 2 WIRE GROUNDED NEUTRAL	

EXISTING LIGHT CONTROLLER

HL-40-DP	
A,C,E	RED
B,D,F	BLACK
N	WHITE
GND	GREEN OR BARE
A,B,E,F	40A
C,D	30A
240/480VAC 3 WIRE GROUNDED NEUTRAL	

EXISTING LIGHT CONTROLLER

HL-40-BS	
A,B,C,D,E	BLACK
A,B,C,D,E	30 A
480VAC 2 WIRE GROUNDED NEUTRAL	

EXISTING LIGHT CONTROLLER

HL-40-CC	
A,C	RED
B,D	BLACK
N	WHITE
GND	GREEN OR BARE
A,B,C,D	30 A
120/480VAC 3 WIRE GROUNDED NEUTRAL	

EXISTING LIGHT CONTROLLER

HL-40-LX	
A,C,E	RED
B,D,F	BLACK
N	WHITE
GND	GREEN OR BARE
A,B,C,D,E,F	30 A
240/480VAC 3 WIRE GROUNDED NEUTRAL	

EXISTING LIGHT CONTROLLER

HL-40-AP	
A,C	RED
B,D	BLACK
N	WHITE
GND	GREEN OR BARE
A,B,C,D	30 A
240/480VAC 3 WIRE GROUNDED NEUTRAL	

EXISTING LIGHT CONTROLLER

HL-40-WG	
A,C,E,G,J,L	RED
B,D,F,H,K,M	BLACK
N	WHITE
GND	GREEN
A,C,E,G,J,L	30 A
B,D,F,H,K,M	30 A
240/480VAC 3 WIRE GROUNDED NEUTRAL	

1100-20-70 | 1100-20-71

PROJECT NO: 1100-20-71	HWY: IH 41/USH 45	COUNTY: MILWAUKEE	LIGHTING PLANS - PROPOSED OVERVIEW	SHEET E

PRE_84

FILE NAME : W:\PROJECTS\19254\1100-20-00\05_CADD\CADD SHEETS\020201-PO 71.DWG
LAYOUT NAME - 020201-po PROPOSED

PLOT DATE : 10/15/2021 5:18 PM PLOT BY : WILLIAM NEAVE PLOT NAME : PLOT SCALE : Custom

WISDOT/CADDS SHEET 42

2

GENERAL NOTES

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

LOCATIONS OF THE PVC CONDUITS ARE IDENTIFIED IN THE PLANS WHERE THEY ARE REQUIRED. APPROPRIATE ADJUSTMENT ON CONDUIT LOCATIONS MAY BE MADE IF THE FIELD CONDITIONS ARE SUCH THAT THE CONDUIT CANNOT BE INSTALLED AT THE SPECIFIED LOCATIONS. FIELD MARK EACH CONDUIT LOCATION IN RED.

THE TRENCH SHALL NOT BE BACK FILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL CONDUITS SHALL BE CAPPED OR PLUGGED WITH ENGINEER APPROVED FITTINGS IMMEDIATELY AFTER INSTALLATION.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR IMMERSION 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 ALL CONDUITS.

PRIOR TO CONDUIT ACCEPTANCE, ALL CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND BE CAPPED WITH THE APPROPRIATE CAST PLASTIC CAP WHICH FITS SNUGGLY ON THE CONDUIT, BUT EASILY REMOVED IN THE FUTURE. DUCT TAPE OR ANY OTHER CAPPING METHOD IS NOT ACCEPTABLE.

CONDUIT RUNS SHALL BE THE SAME SIZE PIPE FROM ONE END TO THE OTHER (FROM PULL BOX-TO-PULL BOX OR JUNCTION BOX OR BASE-TO-BASE, ETC.) UNLESS OTHERWISE NOTED ON PLANS.

PULL ROPE (3/8-INCH NYLON) SHALL BE INSTALLED IN ALL NEW CONDUITS.

CONTRACTOR SHALL SUPPLY AS-BUILT DRAWING FOR ALL THE WORK BEING DONE.

INSTALLATION OF LATERAL UNDERGROUND CONDUIT UNDER PAVEMENT SHALL BE INSTALLED MINIMUM 30 INCHES BELOW PROPOSED GRADE. CONDUIT LATERALS SHALL BE TRENCHED UNDER PAVEMENT BEFORE PAVEMENT CONSTRUCTION. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH ROADWAY CONSTRUCTION FOR CONDUIT LATERALS INSTALLATION.

PITCH ALL CONDUITS TOWARD PULL BOXES. INSTALL A 2" DRAIN DUCT TO STORM SEWER OR DRAIN SUMP AS REQUIRED FOR DRAINAGE. THE 2" DRAIN DUCT OR SUMP IS INCIDENTAL TO THE PULL BOX BID ITEM AND IS NOT SHOWN.

THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE, IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

HAND DIGGING MAY BE REQUIRED FOR LOCATIONS ADJACENT TO EXISTING GAS AND POWER LINES. HAND EXCAVATION SHOULD BE ANTICIPATED & WILL BE CONSIDERED INCIDENTAL TO THE CONCRETE BASES BID ITEM. COORDINATE ALL WORK NEAR GAS LINE WITH WE ENERGIES.

EXISTING CONDUIT AND CID NO LONGER BEING USED IS ABANDONED IN PLACE. THE CONTRACTOR MAY REMOVE ABANDONED WIRING AT THE CONTRACTOR'S EXPENSE. ABANDONED PULL BOX REMOVAL IS INCIDENTAL TO THE ROAD CONSTRUCTION.

ALL UNDERGROUND WIRING AND CONDUIT FOR POLES BEING REMOVED IS ABANDONED IN PLACE UNLESS NOTED OTHERWISE. CONTRACTOR MAY SALVAGE ABANDONED WIRING AT HIS OWN EXPENSE.

IF CID CONTAINS PHASE CONDUCTOR(S) THAT WILL NOT BE USED FOR FURTHER POLES, I.E. AT THE END OF A CIRCUIT, DO NOT ENERGIZE THE CONDUCTOR(S) LEAVING THE LAST POLE THE PHASE WAS UTILIZED. REMOVE EXCESS CONDUCTOR(S) IN ALL SUBSEQUENT POLES.

SEAL THE ENDS OF ALL CID RACEWAY WITH A UL RECOGNIZED CONDUIT SEALANT. PROVIDE A 1#2" NYLON ROPE EXTENDING BEYOND THE PLUG TO ASSIST IN REMOVING THE PLUG IN THE FUTURE.

SEE DETAIL "CONDUIT DETAILS AT STRUCTURE PARAPET TO ROADWAY BARRIER INTERFACE" WHEN CONDUIT EXITS TO GRADE FROM A BRIDGE PARAPET OR RETAINING WALL. RIGID METALLIC CONDUIT IN CONCRETE BARRIER IS INCIDENTAL TO THE RIGID NONMETALLIC CONDUIT.

PROVIDE MINIMUM CABLE SLACK AS NOTED BELOW:

PULL BOXES:	5-FT ONE WAY IN OR OUT
EMBEDDED JUNCTION BOXES:	3-FT
DISTRIBUTION CENTER/LOAD CENTER:	10-FT

STAGING NOTES

MAINTAIN LIGHTING AT ALL TIMES DURING CONSTRUCTION USING EXISTING LIGHTING, PROPOSED TEMPORARY, FINAL LIGHTING OR COMBINATIONS.

DO NOT REMOVE EXISTING LIGHTING UNTIL THE NEW OR TEMPORARY LIGHTING IS OPERATIONAL. REFER TO DRAWINGS FOR STAGING INFORMATION.

MAINTAINING SYSTEM CONTINUITY SHALL BE INCIDENTAL TO THE "REMOVE EXISTING STREET LIGHTS" BID ITEM.

DUE TO THE PHASING OF CONSTRUCTION SOME FINAL LIGHTING UNITS MAY BE ORPHANED UNTIL A LATER STAGE IS COMPLETE. IT IS AT THE DISCRETION OF THE CONTRACTOR TO SCHEDULE
THESE ITEMS. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF THE PLACEMENT OF RACEWAY THAT SPANS TWO DIFFERENT PHASES OF CONSTRUCTION.

TEMPORARY OR FINAL LIGHTING MUST ILLUMINATE AN AREA BEFORE EXISTING LIGHTING UNITS IN AN AREA CAN BE REMOVED. THE SCHEDULING OF REMOVAL IS AT THE DISCRETION OF THE
CONTRACTOR WITH THE PROVISION THAT LIGHTING OF THE ROADWAY IS PROVIDED AT ALL TIMES.

COORDINATE POLE REMOVAL WITH TRAFFIC CONTROL.

LEGEND - LIGHTING REMOVALS

- CONDUIT - 2" UNLESS OTHERWISE SHOWN
- XX — DENOTES THE REMOVAL STAGE NUMBER
- XYYZ — EXISTING SINGLE ARM FREEWAY LIGHTING UNIT
  - X - CIRCUIT
  - YY - DISTRIBUTION CENTER
  - Z - POLE/LUMINAIRE ID NUMBER
- XYYZ — EXISTING TWIN ARM FREEWAY LIGHTING UNIT
  - X - CIRCUIT
  - YY - DISTRIBUTION CENTER
  - Z - POLE/LUMINAIRE ID NUMBER
- XXYZ — EXISTING SINGLE ARM LOCAL LIGHTING UNIT
  - XX - DISTRIBUTION CENTER
  - Y - CIRCUIT (AS NOTED)
  - Z - POLE/LUMINAIRE ID NUMBER
- DISTRIBUTION CENTER
- TRANSFORMER
- ELECTRIC METER SOCKET
- EXISTING HANDHOLE
- EXISTING PULLBOX
- EXISTING UDL (UNDER DECK LIGHTING)
- PHOTOCELL
- X,Y,ZZ — HIGH MAST LIGHTS
  - HML-40-W
  - X/Y/ZZ
  - X&Y-CKT
  - ZZ-LIGHTING CABINET
  - W-ID NUMBER

LEGEND - TEMPORARY LIGHTING

- LIGHTING CONTROL CABINET
- V, W / T-XYYZ — FLOOD LIGHT ON WOOD POLE
  - V - STATION, W - OFFSET
  - T - TEMPORARY LIGHTING
  - X - CIRCUIT, YY - DISTRIBUTION CENTER,
  - Z - POLE NUMBER
- V, W / WP-XX-Y — WOOD POLE
  - V - STATION, W - OFFSET
  - WP - WOOD POLE
  - XX - DISTRIBUTION CENTER
  - Y - POLE NUMBER
- V, W / T-PB-XX-YY — PULL BOX, 24" x 36"
  - V - STATION, W - OFFSET
  - T - TEMPORARY
  - PB - PULLBOX
  - XX - DISTRIBUTION CENTER
  - YY - PULLBOX NUMBER
- EXISTING SINGLE ARM LOCAL LIGHTING UNIT
- EXISTING SINGLE ARM FREEWAY LIGHTING UNIT
- EXISTING TWIN ARM FREEWAY LIGHTING UNIT
- —OH— OVERHEAD CABLE (AERIAL ALUMINUM)
- CONDUIT, 2" UNLESS OTHERWISE NOTED
- X/Y — DENOTES THE CONSTRUCTION STAGE FOR INSTALLATION/REMOVAL
- E/Y — EXISTING TO BE REMOVED IN STAGE "Y"

LEGEND - FINAL LIGHTING

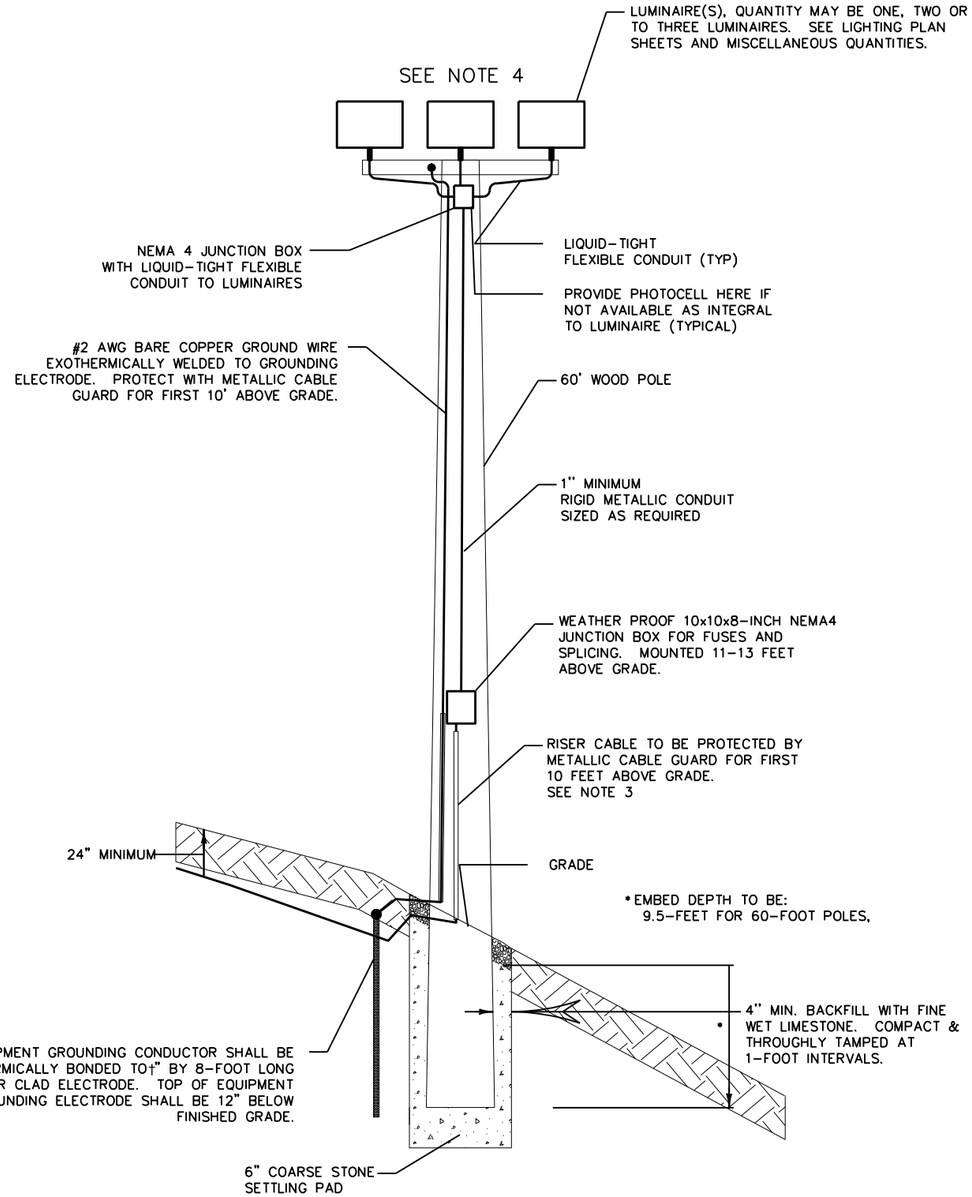
- CID (CABLE IN DUCT)
- CABLE IN CONDUIT - SIZE AS NOTED
- PROPOSED SINGLE ARM FREEWAY LIGHTING UNIT
- PROPOSED TWIN ARM FREEWAY LIGHTING UNIT
- EXISTING FREEWAY LIGHTING UNIT TO REMAIN
- LIGHTING CONTROL CABINET
- PULL BOX 24" x 36"
- PULL BOX 24" x 42"
- PROBEAM LUMINAIRE WITH BASE & ARM
  - STATION - OFFSET
  - PRO - X YY Z
    - LUMINAIRE NUMBER
    - LIGHTING CONTROL CABINET
    - CIRCUIT
  - PLAQUE SEQUENCE INDENTIFICATION
- UNDERDECK LUMINAIRE
- ELECTRIC METER SOCKET
- SM — DENOTES STRUCTURE MOUNTED
- XX — DENOTES THE CONSTRUCTION STAGE FOR INSTALLATION
- STUBOUT
- LUMINAIRE IDENTIFICATION
  - STATION - OFFSET (TWO CALLOUTS IF TWIN)
  - LED-X-X(T)-4-XYYZ
    - LUMINAIRE NUMBER
    - LIGHTING CONTROL CABINET
    - CIRCUIT
    - LUMINAIRE ARM LENGTH
    - PLAQUE SEQUENCE INDENTIFICATION
    - POLE TYPE, (T) WITH TRANSFORMER BASE BREAKAWAY
    - LUMINAIRE UTILITY CATEGORY
    - LUMINAIRE TYPE SOURCE
- X,Y,ZZ — HIGH MAST LIGHTS
  - HML-40-W
  - X/Y/ZZ
  - X&Y-CKT
  - ZZ-LIGHTING CABINET
  - W-ID NUMBER

SHEET 1 OF 1

PROJECT NO: 1100-20-71	HWY: IH 41/USH 45	COUNTY: MILWAUKEE	LIGHTING PLANS - GENERAL NOTES	SHEET E

PRE_85

2

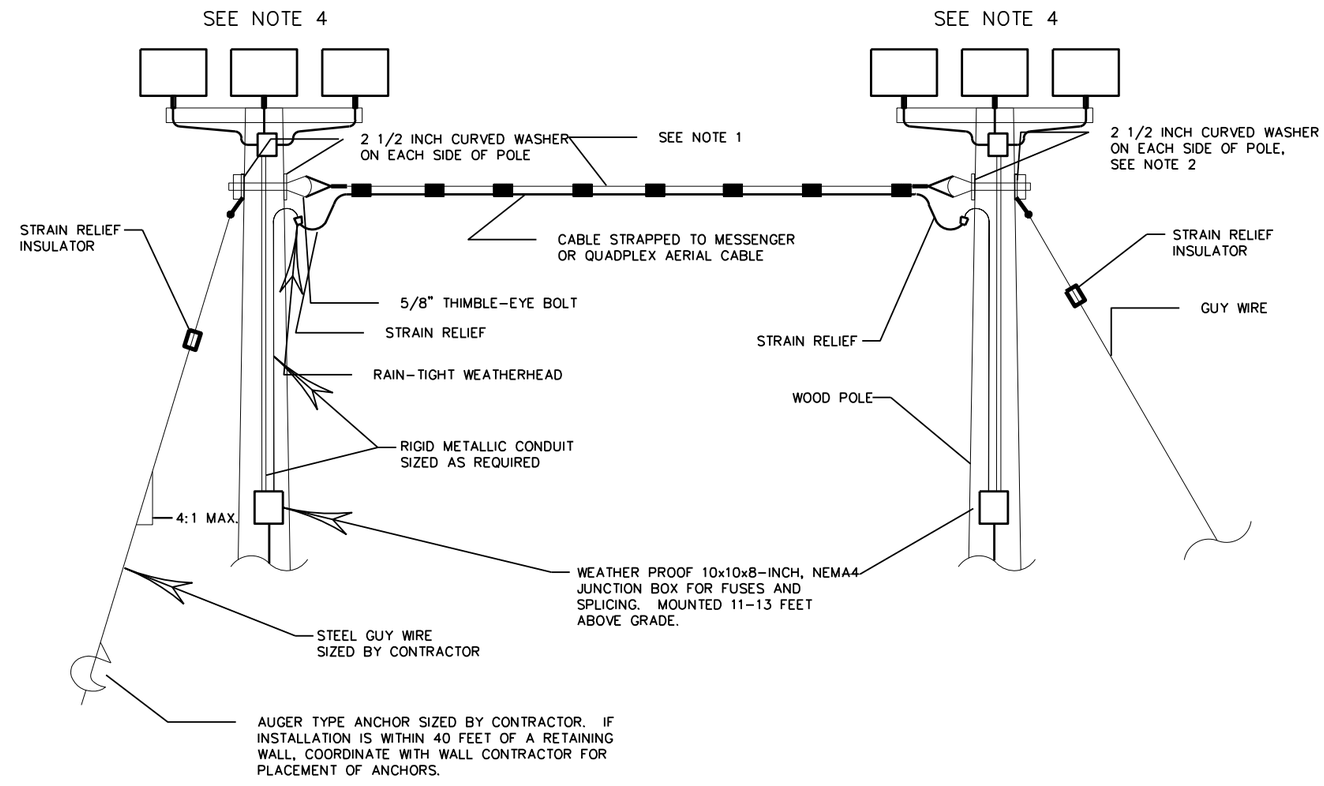


WOODEN POLE INSTALLATION DETAIL

SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
NTS

NOTES

1. MINIMUM CLEARANCE AT CENTER OF SPAN: 20-FT. ABOVE ROADWAY OR GRADE.
2. CONSTRUCT DEAD ENDS WITH SECONDARY RACK, CLEVISES, OR OTHER APPROVED METHOD.
3. SECURELY BAND OR CLAMP RISERS TO POLES. USE METALLIC CABLE GUARD TO PROTECT RISERS FOR 10-FEET ABOVE GRADE.
4. FOR CLARITY, LIGHTNING PROTECTION NOT SHOWN IN ITS ENTIRETY. PROVIDE AIR TERMINAL PROTRUDING 18" ABOVE HIGHEST FIXTURE WITH #2 AWG DOWN CONDUCTOR TO A† " X 8-FOOT COPPER CLAD ELECTRODE FOR LIGHTNING PROTECTION. DOWN CONDUCTOR MAY TRAVEL ONLY IN A DOWNWARD DIRECTION UNTIL IT IS CONNECTED TO THE GROUNDING ELECTRODE. LIGHTNING PROTECTION GROUNDING ELECTRODE TO BE BONDED TO EQUIPMENT GROUNDING ELECTRODE WITH BARE, SOLID #2 COPPER CONDUCTOR; EXOTHERMIC WELD LOWER, MECHANICAL ON UPPER END.
5. LUMINAIRES AND AERIAL CABLES ARE SEPARATE BID ITEMS AND ARE NOT PART OF THE BID ITEM "WOOD POLE LIGHTING 60-FOOT. THE REMAINING ITEMS SHOWN ARE INCIDENTAL TO BID ITEM "WOOD POLES LIGHTING 60-FOOT.



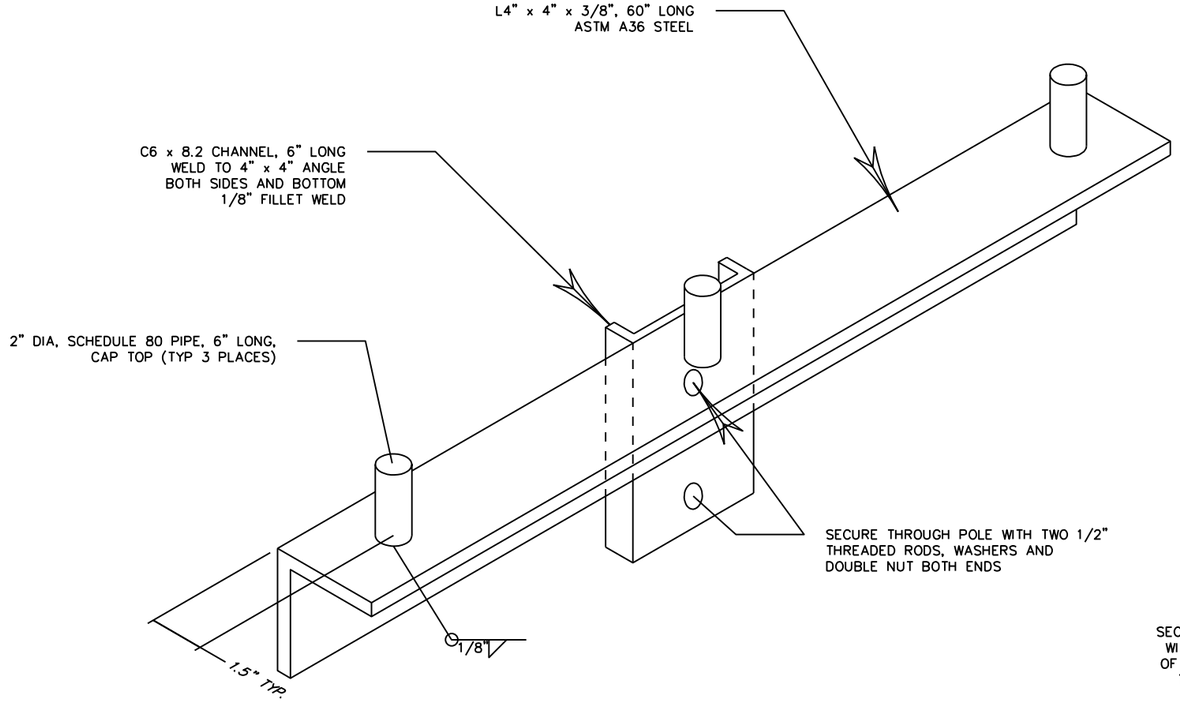
OVERHEAD WIRE DETAIL

SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
NTS

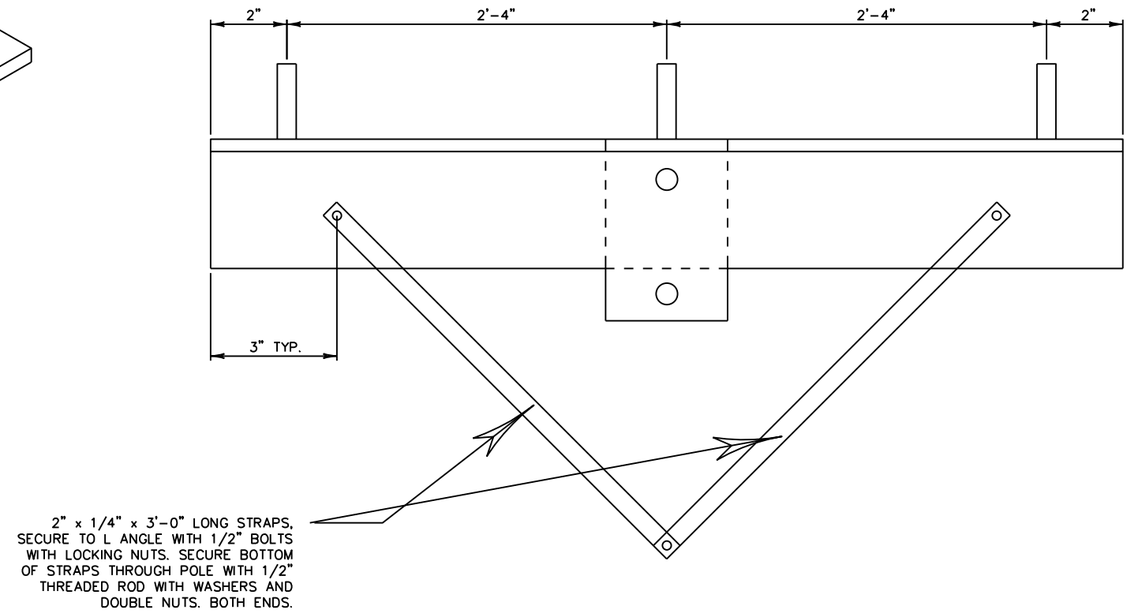
2

NOTES

1. HOT DIP GALVANIZE AFTER FABRICATION.
2. POLE WITH 2 OR 3 LUMINAIRES TO USE BRACKET AS SHOWN. PROVIDE ONLY THE CENTER PORTION WITH 4" L ANGLE, 6" LONG FOR A SINGLE FIXTURE.



ISOMETRIC VIEW
STRAPS NOT SHOWN FOR CLARITY

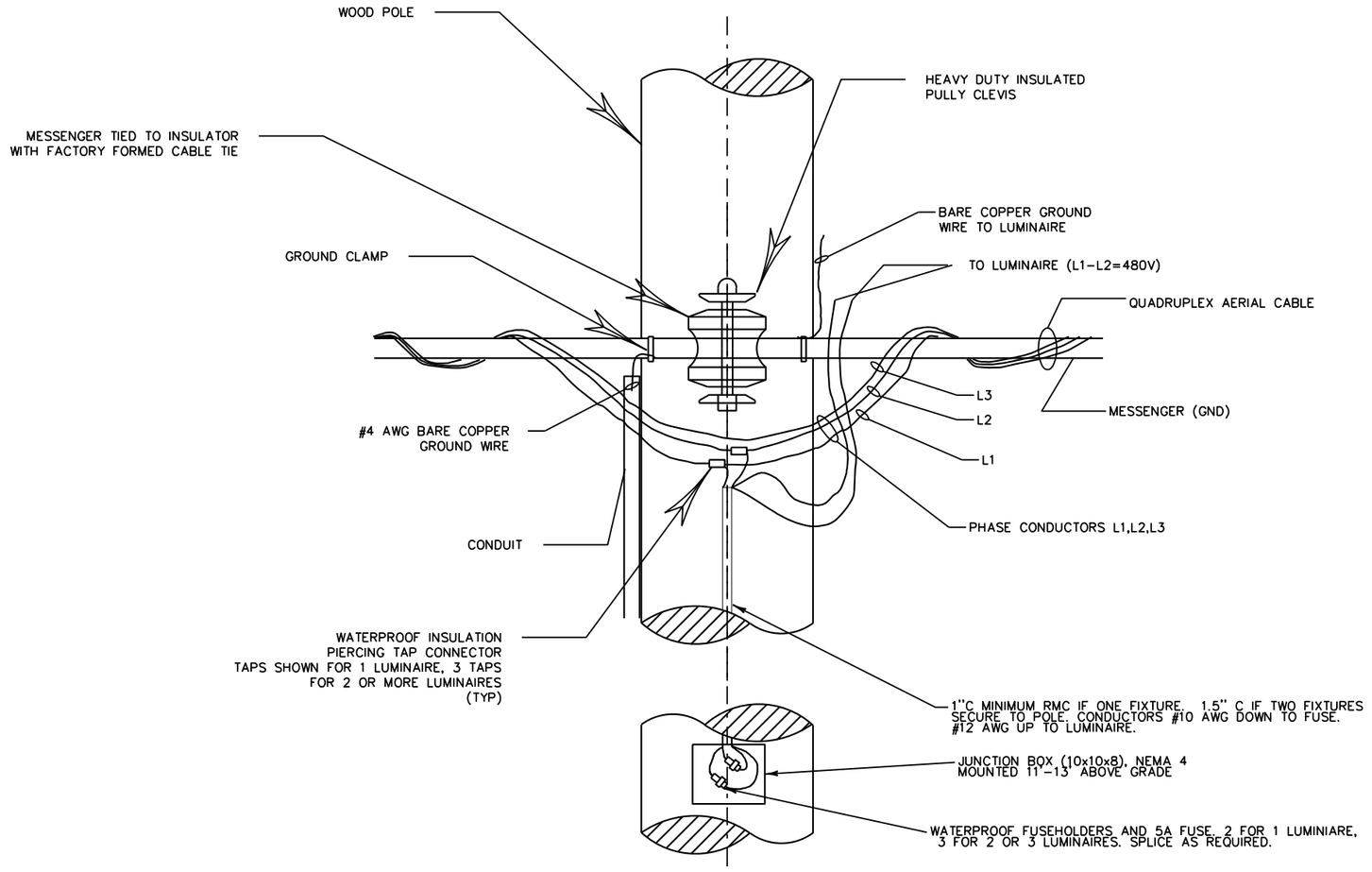


FRONT VIEW

FLOODLIGHT MOUNTING BRACKET
NTS

NOTES

1. IF TWO OR MORE CABLES ON A POLE ARE FOR THE SAME CIRCUIT, CONNECT THE EQUIPMENT GROUNDING CONDUCTOR AND GROUNDED CONDUCTOR (NEUTRAL) AT EACH POLE.
2. TAPS, CONDUIT, JUNCTION BOX, INSULATIOR, CLEVIS FUSE HOLDERS, WIRING TO/FROM JUNCTION BOX AND TO LUMINAIRE ARE PART OF THE BID ITEM "WOOD POLE LIGHTING 60-FOOT".



OVERHEAD CABLE SPLICE AT WOOD POLE-TEMPORARY 480V FIXTURES WIRED PHASE-PHASE

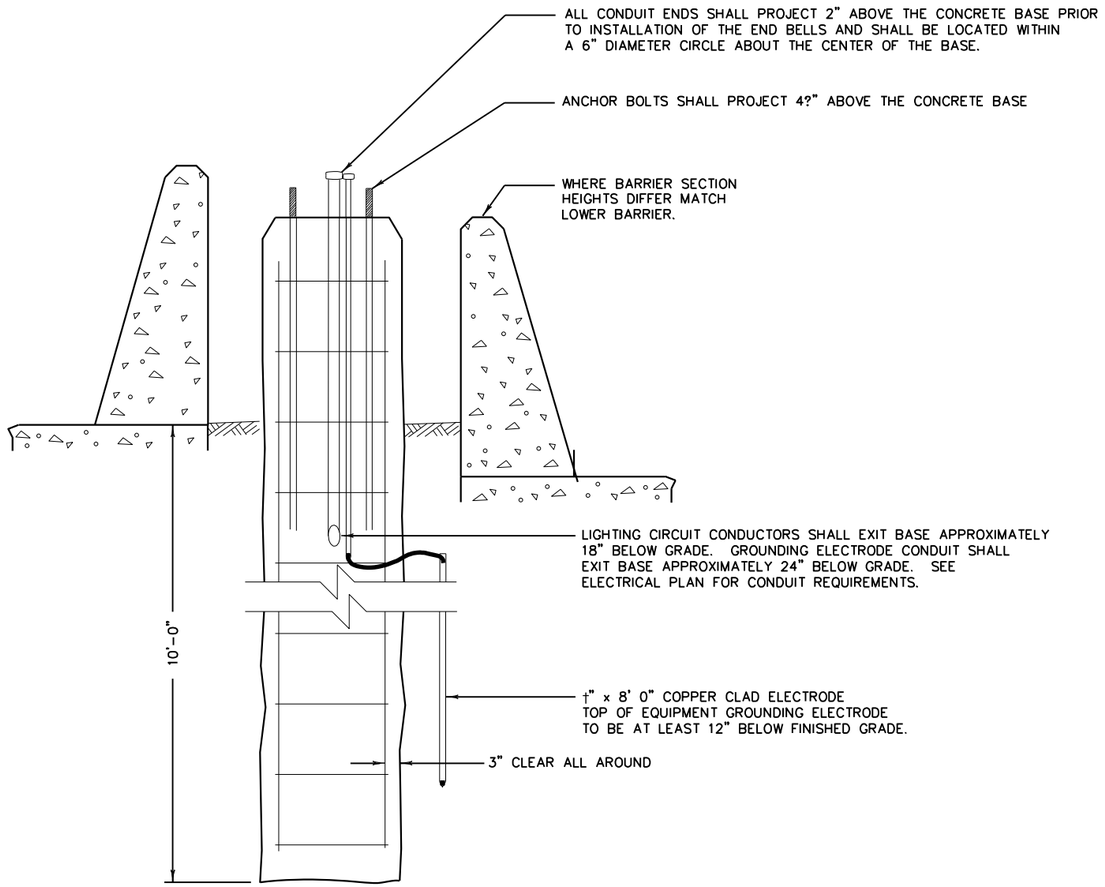
NTS

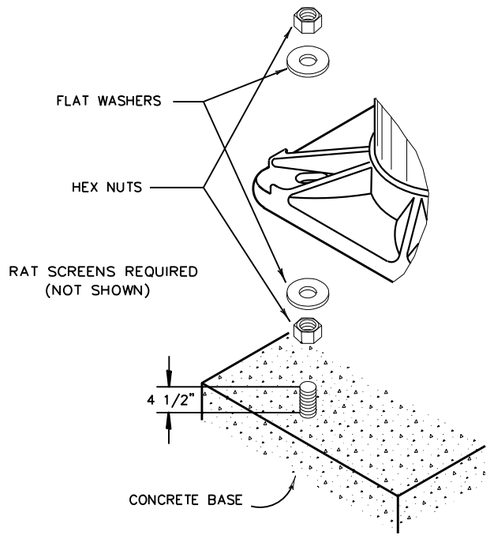
2

NOTES

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

DETAILS OF CONSTRUCTION WITH THE EXCEPTION OF HEIGHT ABOVE GRADE AND CONDUIT SIZE SHALL BE AS DEFINED IN THE STANDARD DETAIL FOR TYPE 8 BASE.





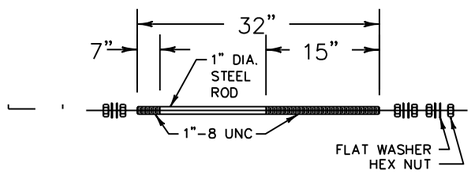
CONCRETE BASE, TYPE "B"

(1" ANCHOR RODS, 15" BOLT CIRCLE, 4 1/2" PROJECTION)

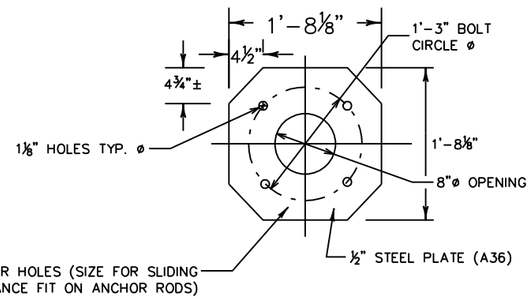
SHEET 1 OF 1

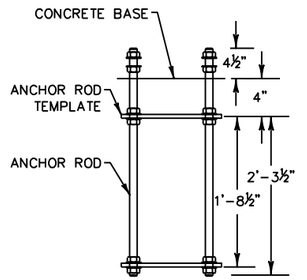
PROJECT NO: 1100-20-71	HWY: IH 41/USH 45	COUNTY: MILWAUKEE	LIGHTING PLANS - DETAILS	SHEET E

PRE_89



ANCHOR ROD – 4 EACH PER BASE
(FULL THREAD ROD MAY BE USED)





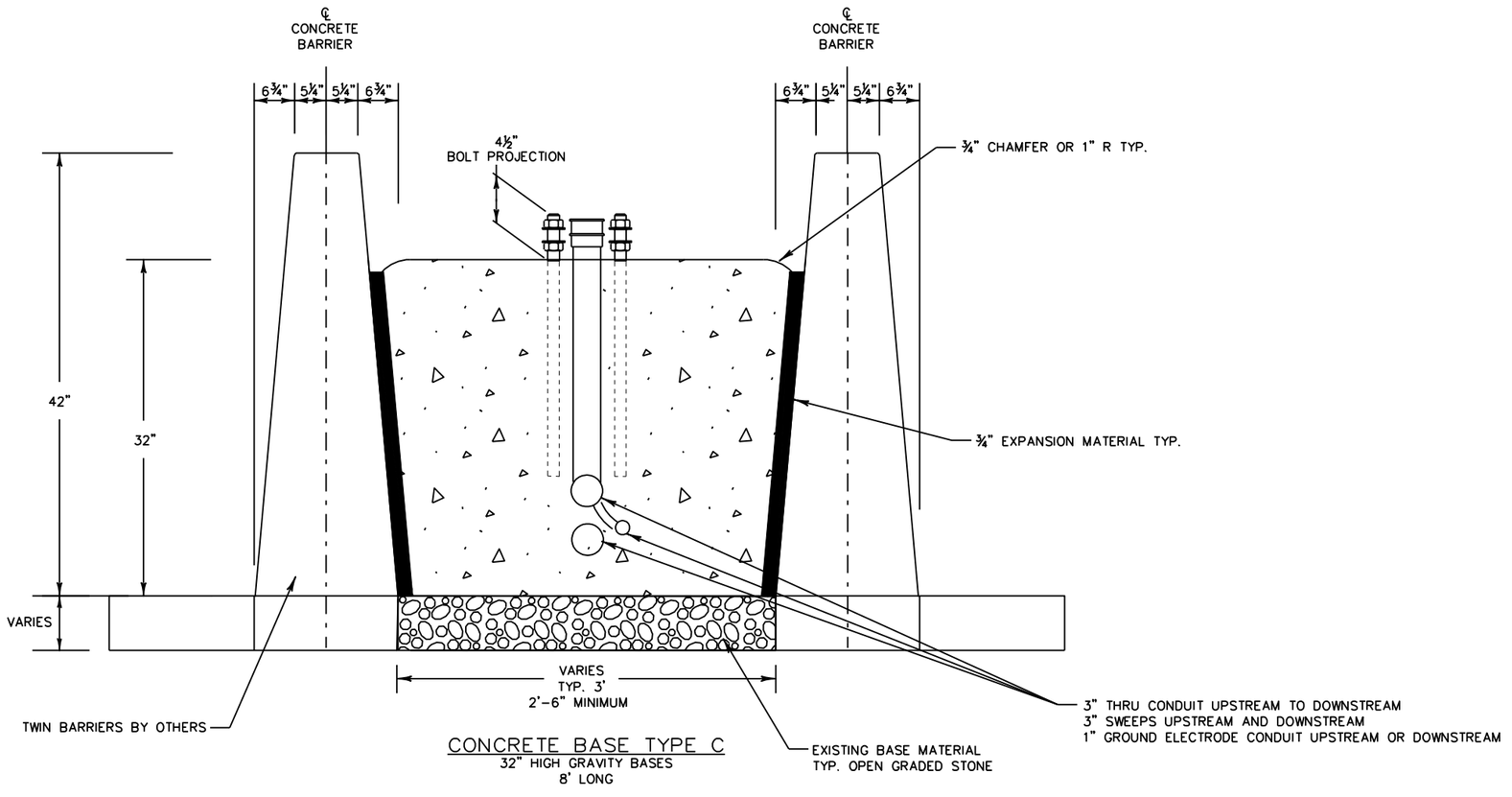
ANCHOR ASSEMBLY

ANCHOR ROD TEMPLATE
(2 EACH PER BASE)

ANCHOR ROD ASSEMBLY
(INCIDENTAL TO CONCRETE BASE – 1 EACH PER BASE)

ANCHOR ROD SHALL BE ASTM F1554
THREADED 12-INCH AT TOP; 4-INCH AT BOTTOM,
HOT DIP GALVANIZED TO ASTM A153, GR C
*CHASE THREADS FOR HOT-DIP GALVANIZED ANCHOR RODS
** FAILURE TO MEET TOLERANCE CONDEMNS THE BASE

REQUIRED:
2 TEMPLATES
4 ANCHOR RODS
24 FLAT WASHERS HOT-DIP GALVANIZED
24 HEAVY DUTY HEX NUTS* HOT-DIP GALVANIZED



CONCRETE BASE TYPE C
32" HIGH GRAVITY BASES
8' LONG

GENERAL NOTES:

DETAILS OF CONSTRUCTION MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE SECTION 654 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS.

BAR STEEL REINFORCEMENT SHALL BE "COATED HIGH STRENGTH BAR STEEL REINFORCEMENT".

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED AT LEAST 2 INCHES (3 INCH EMBEDMENT, TYPICAL).

BAR STEEL REINFORCEMENT QUANTITIES AND LENGTHS NOTED ARE MINIMUM REQUIRED FOR A 4' WIDE, NORMAL CROSS SECTION BASE. ADDITIONAL QUANTITIES SHALL BE REQUIRED, FOR WIDER BASES AND WHERE THE PROFILE GRADE IS SEPARATED OR SUPER ELEVATED AND ARE INCIDENTAL TO "CONCRETE BASE, TYPE C".

ANCHOR RODS SHALL NOT BE WELDED TO THE BAR STEEL REINFORCEMENT. HOWEVER, TIE WIRES MAY BE USED.

THE ANCHOR ROD ASSEMBLY SHALL BE INSTALLED TRUE TO PLUMB.

THOROUGHLY VIBRATE THE CONCRETE THROUGH AND AROUND THE ANCHOR ROD ASSEMBLY.

UNLESS OTHERWISE NOTED, CONDUITS SHALL BE NON-METALLIC. WHEN METALLIC CONDUIT IS SPECIFIED, GROUNDING BUSHINGS SHALL BE USED.

ALL BASES SHALL HAVE A 1" CONDUIT FOR THE GROUNDING ELECTRODE CONDUCTOR.

CONDUITS ENDS PROJECTING ABOVE THE BASE SHALL BE SUITABLY PLUGGED BEFORE THE CONCRETE IS POURED, TO PREVENT DEBRIS CONTAMINATION OF THE RACEWAY.

THE GROUNDING ELECTRODE CONDUCTOR SHALL BE CONTINUOUS, FROM THE EQUIPMENT GROUNDING ELECTRODE, THROUGH THE JUNCTION BOX LUG, AND TO THE HAND HOLE LUG, PLUS AN ADDITIONAL 3' OF SLACK. THE SLACK SHALL BE NEATLY TIED IN A COIL THAT FITS BETWEEN THE ANCHOR RODS UNTIL THE POLE IS INSTALLED. GREAT CARE SHALL BE EXERCISED TO AVOID DAMAGE TO THE CONDUCTOR.

THE POLE FEED CONDUIT SHALL PROJECT 2 INCHES ABOVE THE CONCRETE BASE PRIOR TO THE INSTALLATION OF THE END BELL.

CUT CONDUIT AT UPSTREAM/DOWNSTREAM FACES FLUSH TO CONCRETE. REAM CONDUIT. NO END BELLS..

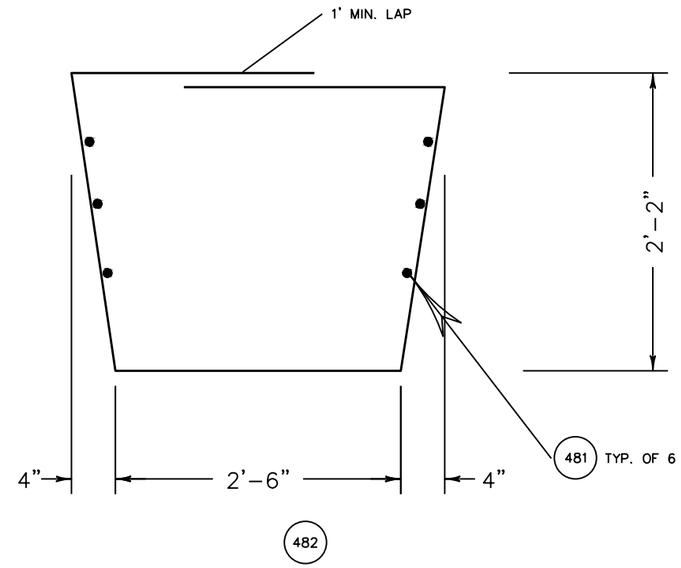
DO NOT SCALE.

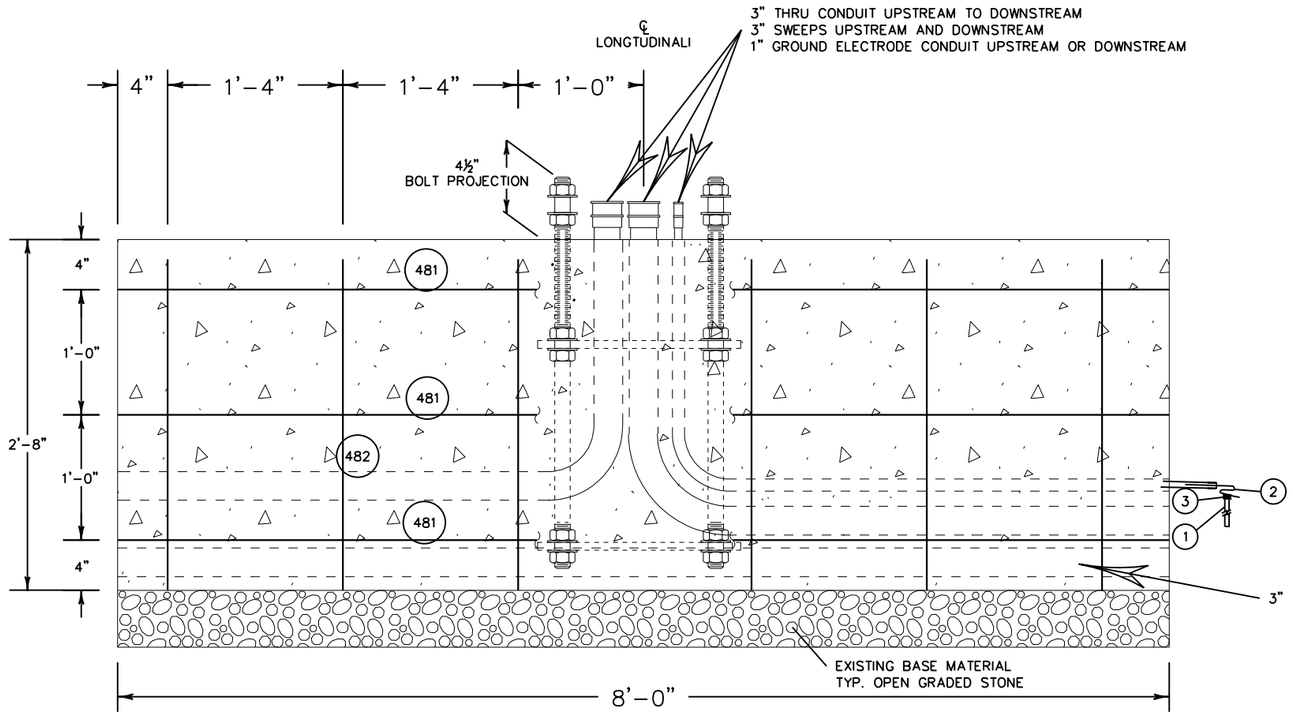
PROJECT NO: 1100-20-71	HWY: IH 41/USH 45	COUNTY: MILWAUKEE	LIGHTING PLANS - DETAILS	SHEET PRE_90 E

FILE NAME : W:\PROJECTS\19254\1100-20-00\05_CADD\CADD SHEETS\020101_GN - 021001_CD 71.DWG
LAYOUT NAME - 021013_cd
PLOT DATE : 10/15/2021 5:26 PM PLOT BY : WILLIAM NEAVE PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

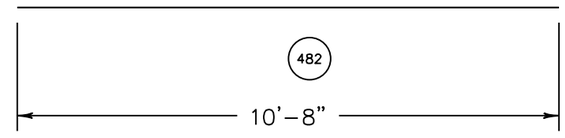
2

ESTIMATED QUANTITIES	
CONCRETE	2.75 C.Y.
BAR STEEL REINFORCEMENT	110 L.B.





LONGITUDINAL SECTION



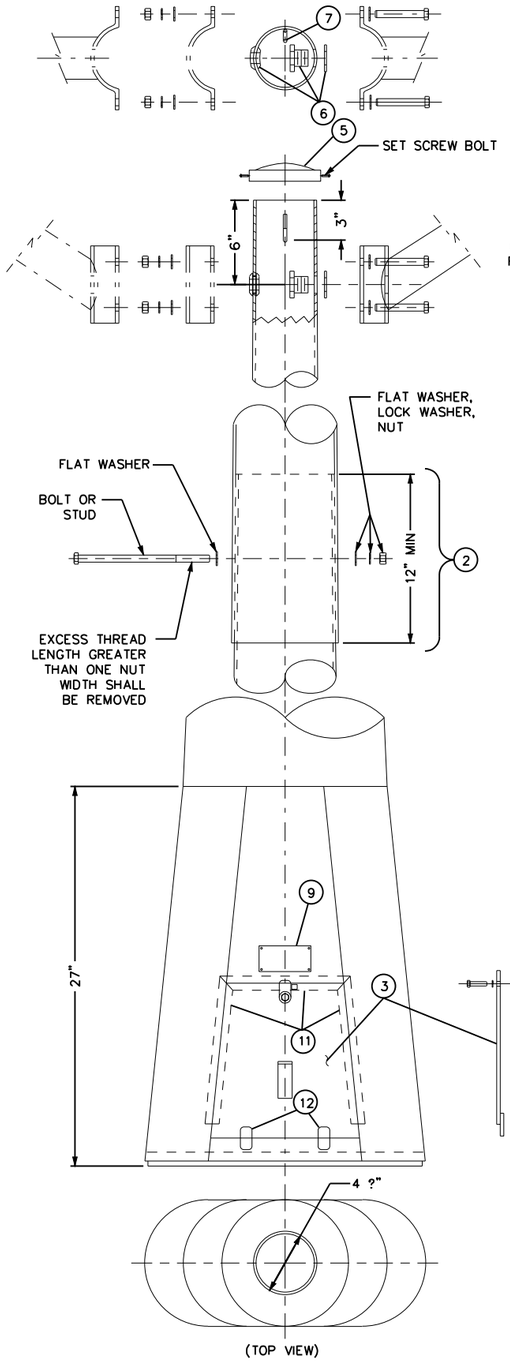
1. ⅝" X 8'-0" COPPER CLAD GROUNDING ELECTRODE (GROUND ROD)
2. GROUNDING ELECTRODE CONDUCTOR (#4 AWG)
3. EXOTHERMIC WELD

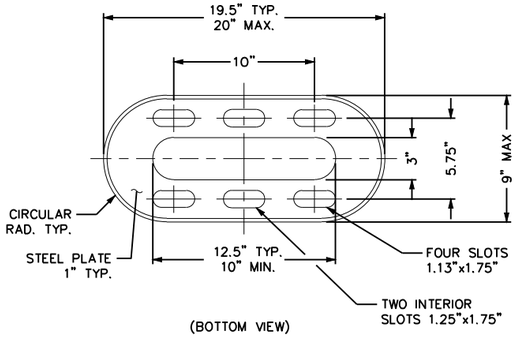
481 NO. 6 BAR STEEL REINF., 7'-8" (6 EACH)

482 NO. 4 BAR STEEL REINF., 10'-8" (6 EACH)

SHEET 1 OF 1

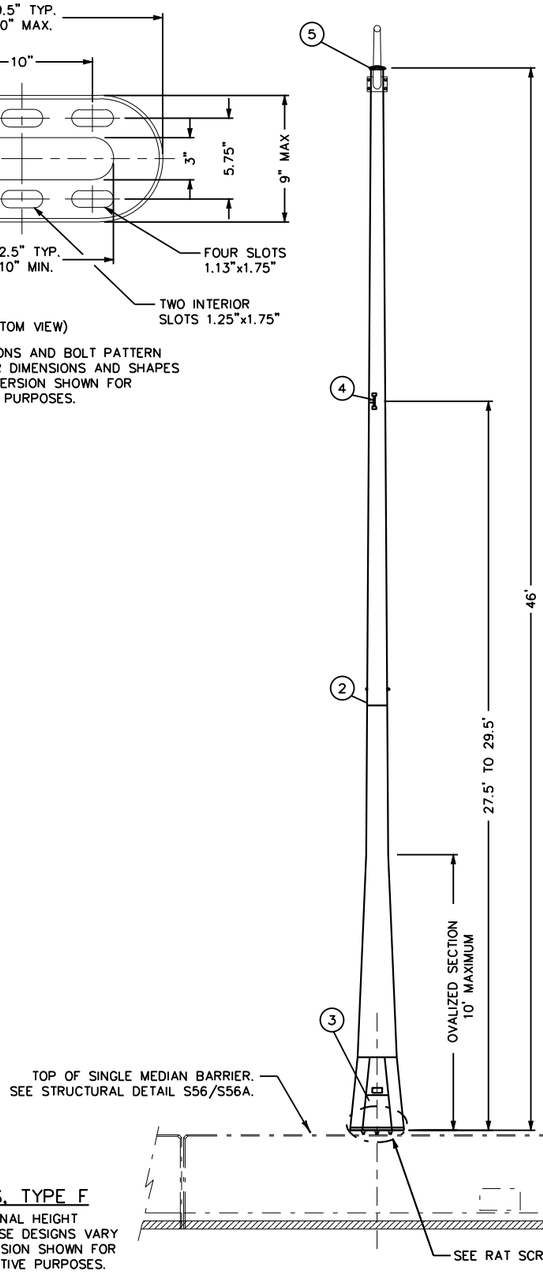
PROJECT NO: 1100-20-71	HWY: IH 41/USH 45	COUNTY: MILWAUKEE	LIGHTING PLANS - DETAILS	SHEET PRE_91 E





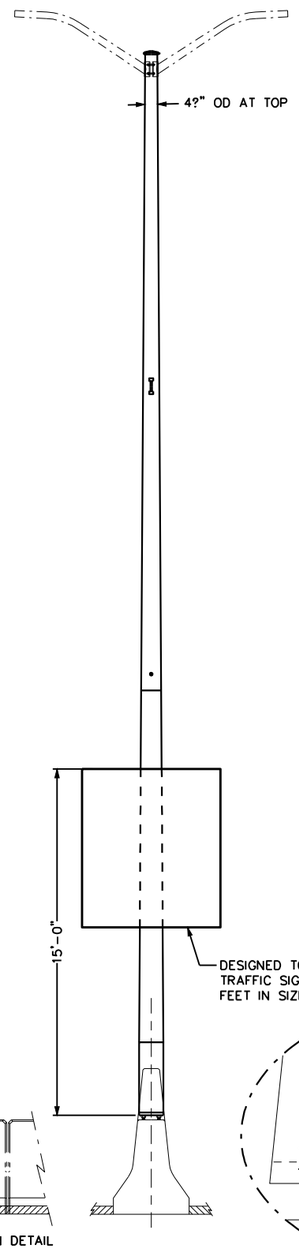
(BOTTOM VIEW)

MAX DIMENSIONS AND BOLT PATTERN REQ'D. OTHER DIMENSIONS AND SHAPES VARY. THIS VERSION SHOWN FOR ILLUSTRATIVE PURPOSES.



POLES, TYPE F

50' NOMINAL HEIGHT
POLE BASE DESIGNS VARY
THIS VERSION SHOWN FOR
ILLUSTRATIVE PURPOSES.



NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF SECTION 654 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS. POLES SHALL BE CONSTRUCTED OF HIGH STRENGTH STEEL, GALVANIZED PER ASTM A123.

ALL THREADED FASTENER COMPONENTS SHALL BE STAINLESS STEEL. NUTS SHALL BE HEX NUTS. BOLTS SHALL BE HEX HEAD. ALL THREADED SURFACES SHALL BE COATED WITH ANTI-SEIZE COMPOUND PRIOR TO INSTALLATION.

COLLAR-MOUNT LUMINAIRE ARMS AND CLAMP ASSEMBLIES, MEDIAN BARRIER, AND ANCHOR BOLT ASSEMBLIES SHOWN FOR INFORMATION ONLY (PAID SEPARATELY).

POLES SHALL BE MOUNTED WITH ANCHOR BOLT ASSEMBLIES. ANCHOR BOLT ASSEMBLIES AND LEVELING PLATES ARE INCIDENTAL TO CONCRETE BASE OR STUCTURE ANCHORAGE ITEM. THE REQUIRED RAT SCREEN SHALL BE INCIDENTAL TO THE INSTALLATION OF THE POLE.

LUMINAIRE LOADING FOR DESIGN CALCULATIONS SHALL BE 50-LB, 1.5 SQ FEET EPA.

(1) GALVINIZED STEEL MESH (RAT SCREEN) AND 3/4" STAINLESS STEEL BANDING.

(2) OPTIONAL TELESCOPING FIELD JOINT SECURED BY A 5/8"-11 UNC THROUGH BOLT OR STUD. THE OVERLAP OF THE UPPER AND LOWER SECTIONS SHALL BE NOT LESS THAN 12".

(3) HATCH COVER, SECURED BY 1/4"-20 UNC HEX HEAD BOLT. THE POLE SHALL BE INSTALLED SUCH THAT THE HATCH IS ON THE RIGHT SIDE OF THE BARRIER UNLESS OTHERWISE SHOWN IN THE PLANS.

(4) INTERNAL DUMBBELL-TYPE VIBRATION DAMPER. MOUNT AT ELEVATION 27.5' TO 29.5' +/-.

(5) VENTILATED POLE CAP. SECURE WITH ONE OR MORE 1/4"-20 UNC SET SCREW BOLTS.

(6) HOLE (FACTORY DRILLED PRIOR TO GALVINIZING, 2 EACH) AND 1" CHASE NIPPLE AND NUT (OR NEOPRENE GROMMET), PER EACH REQUIRED LUMINAIRE ARM.

(7) FACTORY-WELDED "J" HOOK FOR POLE WIRE STRAIN RELIEF.

(8) FACTORY-WELDED L-CLIP FOR GROUNDING LUG, OPPOSITE HANDHOLE. PROVIDE HOLE IN L-CLIP FOR?"-20 UNC THROUGH BOLT.

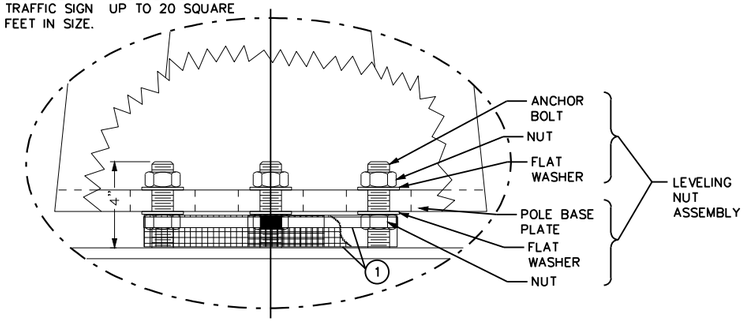
(9) MANUFACTURER'S PLATE SHOWING WISDOT POLE TYPE, MANUFACTURER, AND DATE.

(10) HATCH COVER LOCKING CLIP *

(11) HATCH COVER BACKING STRAPS *

(12) HATCH COVER MOUNTING CLIPS, OR STRAP *

* ARRANGEMENTS VARY - SHOWN FOR ILLUSTRATIVE PURPOSES ONLY



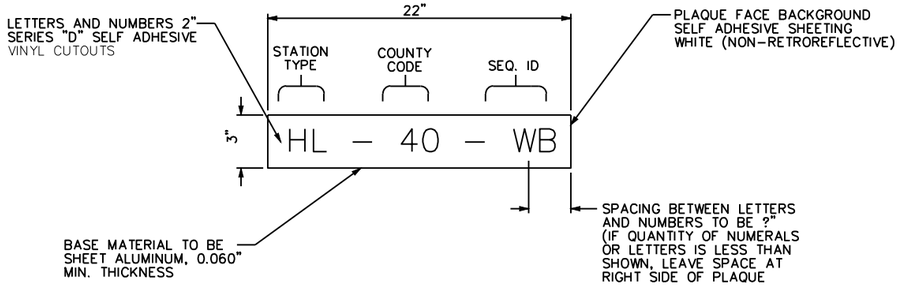
RAT SCREEN DETAIL

SHEET 1 OF 1

PROJECT NO: 1100-20-71	HWY: IH 41/USH 45	COUNTY: MILWAUKEE	LIGHTING PLANS - DETAILS	SHEET E

PRE_92

2



DISTRIBUTION CENTER
IDENTIFICATION PLAQUE

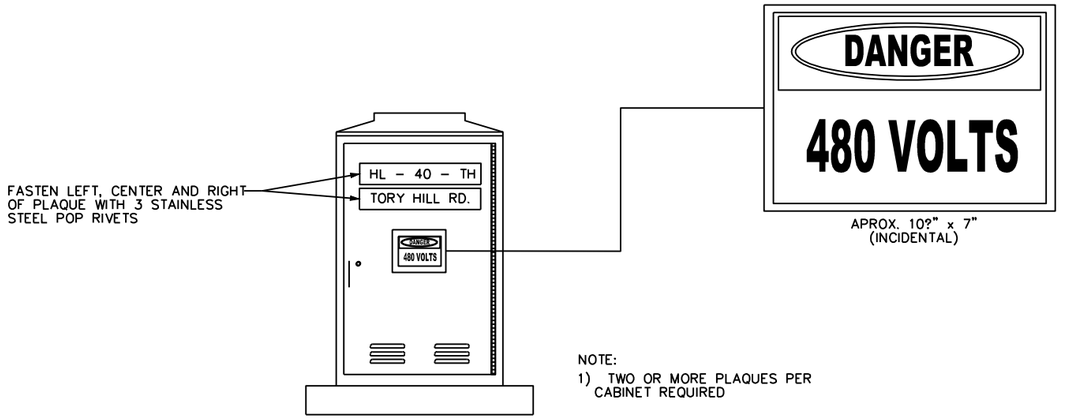
WISCONSIN AVE.

MNEMONIC

(SEE MISCELLANEOUS QUANTITIES)
(NUMBER OF CHARACTERS VARIES
THIRD PLAQUE MAY BE
NECESSARY)

GENERAL NOTE:

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



DISTRIBUTION CENTER IDENTIFICATION PLAQUE
REQUIREMENTS AND PLACEMENTS
(TYPICAL ALL CONTROL CABINETS)

SHEET 1 OF 1

PROJECT NO: 1100-20-71	HWY: IH 41/USH 45	COUNTY: MILWAUKEE	LIGHTING PLANS - DETAILS	SHEET PRE_93 E

2

2

N

INL

IH 41 / USH 45

MATCHLINE STA 243+25

MATCHLINE STA 256+50

19+00 20+00 21+00 22+00 23+00 24+00 25+00 26+00

44+00 45+00 46+00 47+00 48+00 49+00 50+00 51+00 52+00 53+00 54+00 55+00 56+00

244+36
LED-D-F-4-ACD10

246+77
LED-D-F-4-BCD11

249+11
LED-D-F-4-ACD12

251+48
LED-D-E(A)-8-DHM14

254+23
LED-D-E(A)-8-EHM13

*8-6-8 A,N,B

RPB8A
JB8B

244 246 248 250 252 254 256

3" 3"

*8-6-8 A,N,B

LED-D-E(A)-8-EHM14

255+07, 95' RT
S-40-370

LED-D-E(A)-8-DHM13

LED-D-F-4-ACD11

LED-D-F-4-BCD12

245+01, 116' RT
LED-C-5(T)-6-KCD3

247+01, 106' RT
LED-C-5(T)-6-JCD4

248+88, 102' RT
LED-C-5(T)-6-KCD3

250+89, 88' RT
LED-C-5(T)-6-JCD5

252+88, 91' RT
LED-C-5(T)-6-KCD5

LED-D-F-4-BCD10

PROJECT NO: 1100-20-70/71	HWY: IH 41	COUNTY: MILWAUKEE	LIGHTING PLAN - REMOVAL	SHEET E

PRE_94

FILE NAME : W:\PROJECTS\19254\1100-20-00\05_CADD\CADD DRAWINGS\023401_LR 2021-02-26.DWG
LAYOUT NAME - 023410_lr - 70-71

PLOT DATE : 6/17/2021 2:23 PM PLOT BY : WILLIAM NEAVE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

N

256+91
LED-D-E(A)-8-DHM12

259+66
LED-D-18F(A)-8-EHM11
S-40-238
NO SIGN LIGHTING

262+40
LED-D-E(A)-8-DHM10

265+13
LED-D-E(A)-8-EHM9

267+87
LED-D-E(A)-8-DHM8

270+62
LED-D-E(A)-8-EHM7

MATCHLINE STA 256+50

57+00 58+00 59+00

258 260 262 264 266 268 270

2

MATCHLINE STA 271+25

IH 41 / USH 45

IH 41 / USH 45

MH

MH

INL

A/C

A/C

LED-D-E(A)-8-EHM12

LED-D-18F(A)-8-DHM11

LED-D-E(A)-8-EHM10

LED-D-E(A)-8-DHM9

LED-D-E(A)-8-DHM7

LED-D-E(A)-8-EHM8

LITTLE MENOMONEE R.

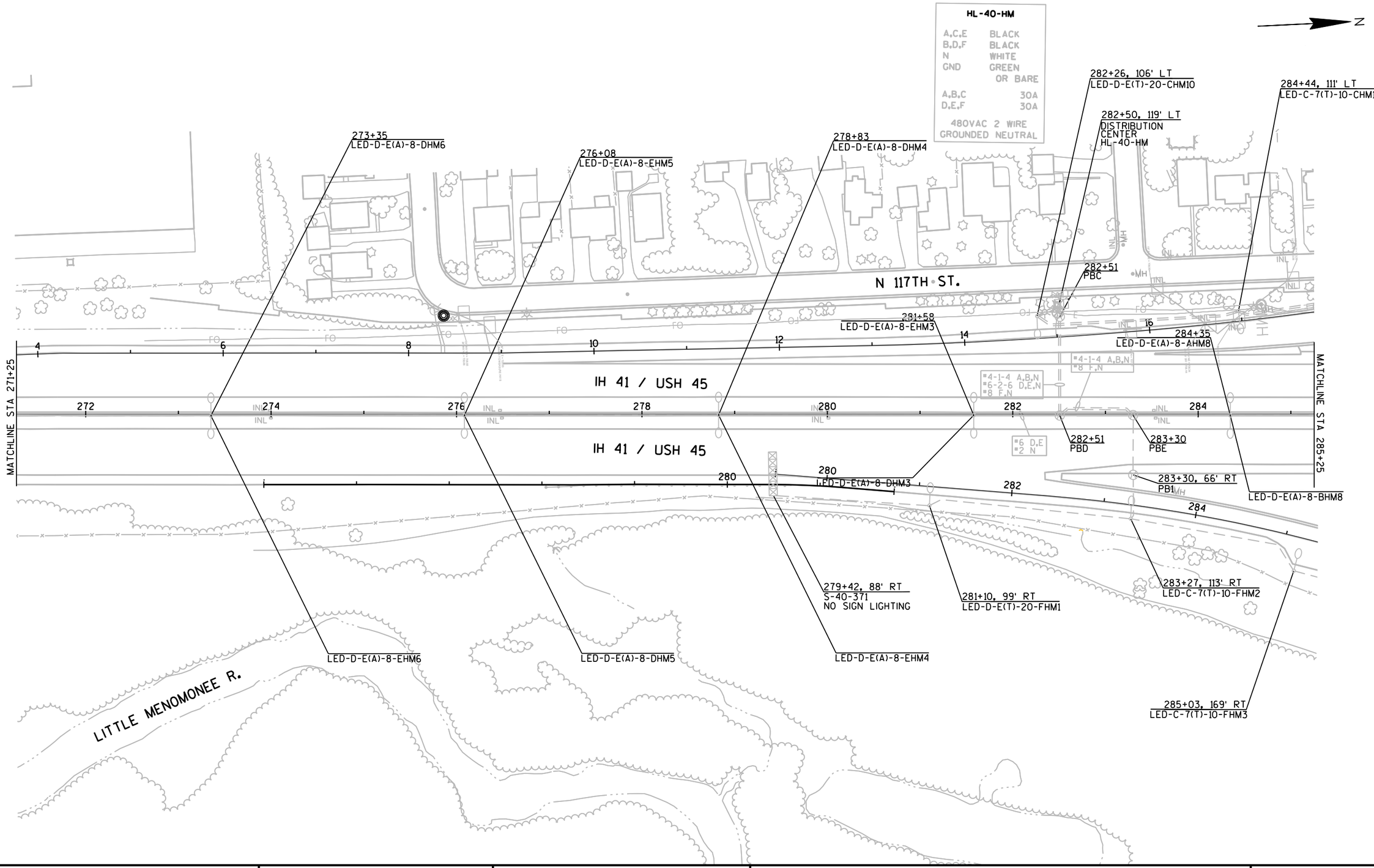
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	LIGHTING PLAN - REMOVAL	SHEET E

PRE_95

FILE NAME : W:\PROJECTS\19254\1100-20-00\05_CADD\CADD DRAWINGS\023401_LR 2021-02-26.DWG
LAYOUT NAME - 023411_lr - 71

PLOT DATE : 6/17/2021 2:23 PM PLOT BY : WILLIAM NEAVE PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	LIGHTING PLAN - REMOVAL	SHEET E

FILE NAME : W:\PROJECTS\19254\1100-20-00\05_CADD\CADD DRAWINGS\023401_LR 2021-02-26.DWG
LAYOUT NAME - 023412_lr - 71

PLOT DATE : 6/17/2021 2:24 PM PLOT BY : WILLIAM NEAVE PLOT NAME : PLOT SCALE : 1 IN:100 FT

PRE_96

2

N

286+40, 136' LT
LED-C-7(T)-10-CHM12

290+07, 280' LT
LED-C-7(T)-8-CHM15

289+82, 200' LT
LED-C-7(T)-10-CHM14

288+37, 172' LT
LED-C-7(T)-10-CHM13

292+10, 242' LT
LED-C-7(T)-10-AHM22

294+40, 227' LT
LED-C-7(T)-10-AHM23

295+44, 202' LT
LED-C-7(T)-10-AHM24

297+52, 147' LT
LED-C-7(T)-20-AHM26

W HAMPTON AVE.

W DELAWARE AVE

FILLER CAPS

CANOPY

292+11, 170' LT
LED-C-7(T)-10-AHM21

294+11, 162' LT
LED-C-A(T)-4-AHM25

289+86
LED-D-E(A)-8-AHM1/BHM1

287+04
LED-D-E(A)-8-BHM9

292+76
LED-D-E(A)-8-AHM2/BHM2

295+55
LED-D-E(A)-8-AHM3

298+33
LED-D-E(A)-8-BHM4

4 UDL
A/B/HM

IH 41 / USH 45

IH 41 / USH 45

MATCHLINE STA 285+25

MATCHLINE STA 299+25

LED-D-E(A)-8-AHM9

LED-D-E(A)-8-AHM4

LED-D-E(A)-8-BHM3

292+19, 219' RT
LED-C-7(T)-8-BHM16

290+72, 230' RT
LED-C-7(T)-4-FHM7

286+78, 216' RT
LED-C-7(T)-10-FHM4

292+78, 254' RT
LED-C-7(T)-10-BHM18

296+69, 189' RT
LED-C-7(T)-10-BHM20

288+72, 262' RT
LED-C-7(T)-10-FHM5

292+21, 419' RT
LED-C-7(T)-8-BHM17

294+70, 222' RT
LED-C-7(T)-10-BHM19

298+69, 158' RT
LED-C-7(T)-10-BHM21

290+72, 322' RT
LED-C-7(T)-4-FHM6

W HAMPTON AVE.

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	LIGHTING PLAN - REMOVAL	SHEET E

PRE_97

FILE NAME : W:\PROJECTS\19254\1100-20-00\05_CADD\CADD DRAWINGS\023401_LR 2021-02-26.DWG
LAYOUT NAME - 023413_lr - 71

PLOT DATE : 6/17/2021 2:25 PM PLOT BY : WILLIAM NEAVE PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

299+48, 121' LT
LED-D-E(T)-20-AHM27

301+10
LED-D-E(A)-8-AHM5

303+04, 86' LT
S-40-352
NO SIGN LIGHTING

303+89
LED-D-E(A)-8-BHM6

LITTLE MENOMONEE R.

306+68
LED-D-E(A)-4-AHM7

309+49
LED-D-E(A)-8-CSL10

312+26
LED-D-E(A)-8-DSL9

MATCHLINE STA 299+25

MATCHLINE STA 314+00

IH 41 / USH 45

IH 41 / USH 45

18 20 22 300 302 304 306 308 310 312 3 16 14 12 10

INL

INL

INL

302+67, 108' RT
LED-D-E(T)-20-BHM23

LED-D-E(A)-8-AHM6

LED-D-E(A)-8-BHM5

300+70, 137' RT
LED-C-7(T)-10-BHM22

307+81
S-40-372
NO SIGN LIGHTING

306+71
LED-D-E(A)-4-BHM7

LED-D-E(A)-8-DSL10

LED-D-E(A)-8-CSL9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	LIGHTING PLAN - REMOVAL	SHEET E

PRE_98

FILE NAME : W:\PROJECTS\19254\1100-20-00\05_CADD\CADD DRAWINGS\023401_LR 2021-02-26.DWG
LAYOUT NAME - 023414_lr - 71

PLOT DATE : 6/17/2021 2:26 PM PLOT BY : WILLIAM NEAVE PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

N

315+03
LED-D-18F(A)-8-CSL8
S-40-239
NO SIGN LIGHTING

316+99, 90' LT
S-40-353
NO SIGN LIGHTING

317+81
LED-D-E(A)-8-DSL7

320+60
LED-D-E(A)-8-CSL6

323+44, 146' LT
LED-D-E(T)-20-ASL5

323+41
LED-D-E(A)-8-DSL5

325+21, 141' LT
LED-C-7(T)-10-BSL4

326+18
LED-D-E(A)-8-CSL4

327+11, 152' LT
LED-C-7(T)-10-ASL4

MATCHLINE STA 314+00

IH 41 / USH 45

IH 41 / USH 45

MATCHLINE STA 328+25

LED-D-E(A)-8-DSL4

327+35, 107' RT
LED-D-E(T)-20-ESL8

325+60, 78' RT
S-40-373
NO SIGN LIGHTING

LED-D-18F(A)-8-DSL8

LED-D-E(A)-8-CSL7

LED-D-E(A)-8-DSL6

LED-D-E(A)-8-CSL5

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	LIGHTING PLAN - REMOVAL	SHEET E

PRE_99

FILE NAME : W:\PROJECTS\19254\1100-20-00\05_CADD\CADD DRAWINGS\023401_LR 2021-02-26.DWG
LAYOUT NAME - 023415_lr - 71

PLOT DATE : 6/17/2021 2:27 PM PLOT BY : WILLIAM NEAVE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

W SILVER SPRING DR.

331+21, 181' LT
LED-C-7(T)-10-ASL3

335+94, 249' LT
LED-C-7(T)-10-ASL1/BSL1

335+05, 268' LT
LED-C-7(T)-10-ASL2

334+25, 241' LT
DISTRIBUTION CENTER
HL-40-SL

329+00, 169' LT
LED-C-7(T)-10-BSL3

333+02, 197' LT
LED-C-7(T)-10-BSL2

337+12, 236' LT
LED-C-7(T)-10-DCM10

338+68, 203' LT
LED-C-7(T)-15-DCM11

340+07, 175' LT
LED-C-7(T)-20-DCM12

341+48, 149' LT
LED-C-8(T)-20-DCM13

335+99, 12' LT
LED-C-7(T)-10-ESL2/FSL2

337+32
LED-D-E(A)-8-DCM1/CCM1

339+94
LED-D-E(A)-8-DCM2

331+74
LED-D-E(A)-8-CSL2

334+95, 155' LT
LED-C-A(T)-4-ESL1

328+95
LED-D-E(A)-8-DSL3

334+52
LED-D-E(A)-8-DSL1

MATCHLINE STA 328+25

MATCHLINE STA 342+25

IH 41 / USH 45

IH 41 / USH 45

LED-D-E(A)-8-CSL1

LED-D-E(A)-8-CSL3

LED-D-E(A)-8-DSL2

336+19, 90' RT
LED-C-7(T)-10-ESL3/FSL3

337+05, 129' RT
LED-C-7(T)-10-CCM10

LED-D-E(A)-8-CCM2

329+29, 120' RT
LED-C-7(T)-10-FSL7

331+31, 158' RT
LED-C-7(T)-10-ESL7

333+29, 193' RT
LED-C-7(T)-10-FSL6

335+29, 199' RT
LED-C-7(T)-10-ESL6

336+23, 225' RT
LED-C-7(T)-10-ESL4/FSL4

337+05, 230' RT
LED-C-7(T)-10-CCM11

337+15, 260' RT

338+91, 169' RT
LED-C-7(T)-10-CCM12

340+80, 155' RT
LED-C-7(T)-10-CCM13

336+37, 363' RT
LED-C-7(T)-10-FSL5/ESL5

FILLER CAPS

CANOPY

N LOVERS LN.

N LOVERS LN.

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	LIGHTING PLAN - REMOVAL	SHEET E

PRE_100

FILE NAME : W:\PROJECTS\19254\1100-20-00\05_CADD\CADD DRAWINGS\023401_LR 2021-02-26.DWG
LAYOUT NAME - 023416_lr - 71

PLOT DATE : 6/17/2021 2:28 PM PLOT BY : WILLIAM NEAVE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

342+95, 119' LT
LED-D-8(T)-20-DCM14

345+14
LED-D-E(A)-8-DCM4

347+84
LED-D-E(A)-8-CCM5

350+56
ONLY LIGHTING UNIT BASE
(DCM6/CCM6)

353+13
LED-D-E(A)-8-CCM7

356+05, 114' LT
DISTRIBUTION
CENTER
HL-40-CM

355+74
LED-D-E(A)-8-ACM1

LED-D-E(A)-8-DCM5

LED-D-E(A)-8-DCM7

LED-D-E(A)-8-BCM1

348+80, 87' RT
LED-D-E(T)-10-CCM17

355+91, 84' RT
S-40-374
NO SIGN LIGHTING

342+53
LED-D-E(A)-8-DCM3/CCM3

LED-D-E(A)-8-CCM4

342+91, 139' RT
LED-C-7(T)-10-CCM14

344+76, 130' RT
LED-C-7(T)-10-CCM15

346+87, 103' RT
LED-C-7(T)-10-CCM16

IH 41 / USH 45

IH 41 / USH 45

MATCHLINE STA 342+25

MATCHLINE STA 357+25

W CARMEN AVE.

W CARMEN AVE.

N LOVERS LN.

UNION PACIFIC

PARKING

U/C

PB1001

PB1002

3-3"

3"

6-2-6 C.I.D.

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	LIGHTING PLAN - REMOVAL	SHEET E

PRE_101

FILE NAME : W:\PROJECTS\19254\1100-20-00\05_CADD\CADD DRAWINGS\023401_LR 2021-02-26.DWG
LAYOUT NAME - 023417_lr - 71

PLOT DATE : 6/17/2021 2:29 PM PLOT BY : WILLIAM NEAVE PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

N

363+88
LED-D-18F(A)-8-BCM4
S-40-240
NO SIGN LIGHTING

366+55
LED-D-E(A)-8-ACM5

358+52
LED-D-E(A)-8-BCM2

361+20
LED-D-E(A)-8-ACM3

369+22
LED-D-E(A)-8-BCM6

MATCHLINE STA 357+25

358

360

362

364

366

368

370

IH 41 / USH 45

IH 41 / USH 45

371+64
BLX1

MATCHLINE STA 371+75

ALX1

LED-D-E(A)-8-ACM2

LED-D-E(A)-8-BCM3

LED-D-E(A)-8-ACM6

LED-D-18F(A)-8-ACM4

LED-D-E(A)-8-BCM5

W BOBOLINK AVE.

W BOBOLINK AVE.

W FLORIST AVE.

N LOVERS LN.

POOL

BCM

BCM

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	LIGHTING PLAN - REMOVAL	SHEET E

PRE_102

FILE NAME : W:\PROJECTS\19254\1100-20-00\05_CADD\CADD DRAWINGS\023401_LR 2021-02-26.DWG
LAYOUT NAME - 023418_lr - 71

PLOT DATE : 6/17/2021 2:30 PM PLOT BY : WILLIAM NEAVE PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

N

244+36
LED-D-F-4-ACD10

246+77
LED-D-F-4-BCD11

249+11
LED-D-F-4-ACD12

251+48
LED-D-E(A)-8-DHM14

254+23
LED-D-E(A)-8-EHM13

MATCHLINE STA 243+25

MATCHLINE STA 256+50

*8-6-8 A,N,B

RPB8A
JB8B

3"

244

246

248

250

252

254

256

IH 41 / USH 45

LED-B-F-4-BCD10

LED-D-F-4-ACD11

LED-D-F-4-BCD12

LED-D-E(A)-8-EHM14

LED-D-E(A)-8-DHM13

255+07, 95' RT
S-40-370

252+88, 91' RT
LED-C-5(T)-6-KCD5

250+89, 88' RT
LED-C-5(T)-6-JCD5

248+88, 102' RT
LED-C-5(T)-6-KCD3

247+01, 106' RT
LED-C-5(T)-6-JCD4

245+01, 116' RT
LED-C-5(T)-6-KCD3

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	LIGHTING PLAN - PROPOSED	SHEET E

PRE_103

FILE NAME : W:\PROJECTS\19254\1100-20-00\05_CADD\CADD DRAWINGS\023601_LP 2021-02-26.DWG
LAYOUT NAME - 023610_lp - 71

PLOT DATE : 10/15/2021 4:56 PM PLOT BY : WILLIAM NEAVE PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

N

256+91
LED-D-E(A)-8-DHM12

259+66
LED-D-18F(A)-8-EHM11
S-40-238
NO SIGN LIGHTING

262+40
LED-D-E(A)-8-DHM10

265+13
LED-D-E(A)-8-EHM9

267+87
LED-D-E(A)-8-DHM8

270+62
LED-D-E(A)-8-EHM7

MATCHLINE STA 256+50

MATCHLINE STA 271+25

IH 41 / USH 45

IH 41 / USH 45

LED-D-E(A)-8-EHM12

LED-D-18F(A)-8-DHM11

LED-D-E(A)-8-EHM10

LED-D-E(A)-8-DHM9

LED-D-E(A)-8-EHM8

LED-D-E(A)-8-DHM7

LITTLE MENOMONEE R.

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	LIGHTING PLAN - PROPOSED	SHEET E

PRE_104

FILE NAME : W:\PROJECTS\19254\1100-20-00\05_CADD\CADD DRAWINGS\023601_LP 2021-02-26.DWG
LAYOUT NAME - 023611_lp - 71

PLOT DATE : 10/15/2021 4:57 PM PLOT BY : WILLIAM NEAVE PLOT NAME : PLOT SCALE : 1 IN:100 FT

HL-40-HM	
A,C,E	BLACK
B,D,F	BLACK
N	WHITE
GND	GREEN OR BARE
A,B,C	30 A
D,E,F	30 A
480VAC 2 WIRE GROUNDED NEUTRAL	

N

MATCHLINE STA 271+25

MATCHLINE STA 285+25

IH 41 / USH 45

IH 41 / USH 45

N 117TH ST.

N 117th ST.

LITTLE MENOMONEE R.

273+35
LED-D-E(A)-8-DHM6

276+08
LED-D-E(A)-8-EHM5

278+83
LED-D-E(A)-8-DHM4

279+42, 88' RT
S-40-371
NO SIGN LIGHTING

281+58
LED-D-E(A)-8-EHM3

281+10, 99' RT
LED-D-E(T)-20-FHM1

282+26, 106' LT
LED-D-E(T)-20-CHM10

282+50, 119' LT
DISTRIBUTION CENTER
HL-40-HM

282+51
PBC

282+51
PBD

283+30
PBE

283+30, 66' RT
PBI

283+27, 113' RT
LED-C-7(T)-10-FHM2

284+35
LED-D-E(A)-8-AHM8

284+44, 111' LT
LED-C-7(T)-10-CHM11

LED-D-E(A)-8-BHM8

285+03, 169' RT
LED-C-7(T)-10-FHM3

LED-D-E(A)-8-EHM6

LED-D-E(A)-8-DHM5

LED-D-E(A)-8-EHM4

LED-D-E(A)-8-DHM3

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	LIGHTING PLAN - PROPOSED	SHEET E

PRE_105

FILE NAME : W:\PROJECTS\19254\1100-20-00\05_CADD\CADD DRAWINGS\023601_LP 2021-02-26.DWG
LAYOUT NAME - 023612_lp - 71
PLOT DATE : 10/15/2021 4:58 PM PLOT BY : WILLIAM NEAVE PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

N

290+07, 280' LT
LED-C-7(T)-8-CHM15

289+82, 200' LT
LED-C-7(T)-10-CHM14

288+37, 172' LT
LED-C-7(T)-10-CHM13

286+40, 136' LT
LED-C-7(T)-10-CHM12

W HAMPTON AVE.

292+10, 242' LT
LED-C-7(T)-10-AHM22

294+40, 227' LT
LED-C-7(T)-10-AHM23

295+44, 202' LT
LED-C-7(T)-10-AHM24

297+52, 147' LT
LED-C-7(T)-20-AHM26

292+11, 170' LT
LED-C-7(T)-10-AHM21

294+11, 162' LT
LED-C-A(T)-4-AHM25

289+86
LED-D-E(A)-8-AHM1/BHM1

287+04
LED-D-E(A)-8-BHM9

292+76
LED-D-E(A)-8-AHM2/BHM2

295+55
LED-D-E(A)-8-AHM3

298+33
LED-D-E(A)-8-BHM4

MATCHLINE STA 285+25

4 UDL
A/B/HM

IH 41 / USH 45

286 288 290 292 294 298

IH 41 / USH 45

MATCHLINE STA 299+25

LED-D-E(A)-8-AHM9

LED-D-E(A)-8-AHM4

LED-D-E(A)-8-BHM3

292+19, 219' RT
LED-C-7(T)-8-BHM16

290+72, 230' RT
LED-C-7(T)-4-FHM7

286+78, 216' RT
LED-C-7(T)-10-FHM4

292+78, 254' RT
LED-C-7(T)-10-BHM18

296+69, 189' RT
LED-C-7(T)-10-BHM20

290+72, 322' RT
LED-C-7(T)-4-FHM6

288+72, 262' RT
LED-C-7(T)-10-FHM5

292+21, 419' RT
LED-C-7(T)-8-BHM17

294+70, 222' RT
LED-C-7(T)-10-BHM19

298+69, 158' RT
LED-C-7(T)-10-BHM21

W HAMPTON AVE.

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	LIGHTING PLAN - PROPOSED	SHEET E

PRE_106

FILE NAME : W:\PROJECTS\19254\1100-20-00\05_CADD\CADD DRAWINGS\023601_LP 2021-02-26.DWG
LAYOUT NAME - 023613_lp - 71

PLOT DATE : 10/15/2021 4:59 PM PLOT BY : WILLIAM NEAVE PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

299+48, 121' LT
LED-D-E(T)-20-AHM27

301+10
LED-D-E(A)-8-AHM5

303+04, 86' LT
S-40-352
NO SIGN LIGHTING

303+89
LED-D-E(A)-8-BHM6

LITTLE MENOMONEE R.

306+68
LED-D-E(A)-4-AHM7

309+49
LED-D-E(A)-8-CSL10

312+26
LED-D-E(A)-8-DSL9

MATCHLINE STA 299+25

MATCHLINE STA 314+00

IH 41 / USH 45

IH 41 / USH 45

300

302

304

306

308

310

312

SIGN

INL

302+67, 108' RT
LED-D-E(T)-20-BHM23

LED-D-E(A)-8-BHM5

LED-D-E(A)-8-AHM6

300+70, 137' RT
LED-C-7(T)-10-BHM22

307+81
S-40-372
NO SIGN LIGHTING

306+71
LED-D-E(A)-4-BHM7

LED-D-E(A)-8-DSL10

LED-D-E(A)-8-CSL9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	LIGHTING PLAN - PROPOSED	SHEET E

PRE_107

FILE NAME : W:\PROJECTS\19254\1100-20-00\05_CADD\CADD DRAWINGS\023601_LP 2021-02-26.DWG
LAYOUT NAME - 023614_lp - 71

PLOT DATE : 10/15/2021 4:59 PM PLOT BY : WILLIAM NEAVE PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

N

315+03
LED-D-18F(A)-8-CSL8
S-40-239
NO SIGN LIGHTING

316+99, 90' LT
S-40-353
NO SIGN LIGHTING

317+81
LED-D-E(A)-8-DSL7

320+60
LED-D-E(A)-8-CSL6

323+44, 146' LT
LED-D-E(T)-20-ASL5

323+41
LED-D-E(A)-8-DSL5

325+21, 141' LT
LED-C-7(T)-10-BSL4

327+11, 152' LT
LED-C-7(T)-10-ASL4

326+18
LED-D-E(A)-8-CSL4

MATCHLINE STA 314+00

MATCHLINE STA 328+25

IH 41 / USH 45

IH 41 / USH 45

LED-D-E(A)-8-DSL4

LED-D-18F(A)-8-DSL8

LED-D-E(A)-8-CSL7

LED-D-E(A)-8-DSL6

LED-D-E(A)-8-CSL5

327+35, 107' RT
LED-D-E(T)-20-ESL8

325+62, 94' RT
S-40-373
NO SIGN LIGHTING

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	LIGHTING PLAN - PROPOSED	SHEET E

PRE_108

FILE NAME : W:\PROJECTS\19254\1100-20-00\05_CADD\CADD DRAWINGS\023601_LP 2021-02-26.DWG
LAYOUT NAME - 023615_lp - 71

PLOT DATE : 10/15/2021 5:00 PM PLOT BY : WILLIAM NEAVE PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

HL-40-CC	
A,C	RED
B,D	BLACK
N	WHITE
GND	GREEN OR BARE
A,B,C,D	30 A
120/240VAC 3 WIRE GROUNDED NEUTRAL	

N

W SILVER SPRING DR.

329+00, 169' LT
LED-C-7(T)-10-BSL3

331+21, 181' LT
LED-C-7(T)-10-ASL3

333+02, 197' LT
LED-C-7(T)-10-BSL2

335+94, 249' LT
LED-C-7(T)-10-ASL1/BSL1

335+05, 268' LT
LED-C-7(T)-10-ASL2

334+25, 241' LT
DISTRIBUTION CENTER
HL-40-SL

#8 A,B,N
#10 PCSL

#6 E,F,N

#8 C,N

2-3"

3"

#6 A,B,N

#10 A,B,N

#10 C,N

334+95, 155' LT
LED-C-A(T)-4-ESL1

335+99, 124' LT
LED-C-7(T)-10-ESL2/FSL2

337+12, 236' LT
LED-C-7(T)-10-DCM10

338+68, 203' LT
LED-C-7(T)-15-DCM11

340+07, 175' LT
LED-C-7(T)-20-DCM12

341+48, 149' LT
LED-C-8(T)-20-DCM13

328+95
LED-D-E(A)-8-DSL3

331+74
LED-D-E(A)-8-CSL2

334+52
LED-D-E(A)-8-DSL1

337+32
LED-D-E(A)-8-DCM1/CCM1

339+94
LED-D-E(A)-8-DCM2

MATCHLINE STA 328+25

MATCHLINE STA 342+25

IH 41 / USH 45

IH 41 / USH 45

330

332

334

336

338

340

342

LED-D-E(A)-8-CSL1

LED-D-E(A)-8-CSL3

LED-D-E(A)-8-DSL2

336+19, 90' RT
LED-C-7(T)-10-ESL3/FSL3

337+05, 129' RT
LED-C-7(T)-10-CCM10

LED-D-E(A)-8-CCM2

329+29, 120' RT
LED-C-7(T)-10-FSL7

331+31, 158' RT
LED-C-7(T)-10-ESL7

333+29, 193' RT
LED-C-7(T)-10-FSL6

335+29, 199' RT
LED-C-7(T)-10-ESL6

336+23, 225' RT
LED-C-7(T)-10-ESL4/FSL4

336+37, 363' RT
LED-C-7(T)-10-FSL5/ESL5

330+94, 149' RT
S-40-277
NO LIGHTING

337+05, 230' RT
LED-C-7(T)-10-CCM11

337+15, 260' RT
S-40-32

338+91, 169' RT
LED-C-7(T)-10-CCM12

340+80, 155' RT
LED-C-7(T)-10-CCM13

#6 E,F,N

#6 E,F,N

#6 E,F,N

FILLER CAPS

CANOPY

G.P.

FILLER CAPS

CANOPY

N LOVERS LN.

N LOVERS LN.

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	LIGHTING PLAN - PROPOSED	SHEET E

FILE NAME : W:\PROJECTS\19254\1100-20-00\05_CADD\CADD DRAWINGS\023601_LP 2021-02-26.DWG
LAYOUT NAME - 023616_lp - 71

PLOT DATE : 10/15/2021 5:01 PM PLOT BY : WILLIAM NEAVE PLOT NAME : PLOT SCALE : 1 IN:100 FT

PRE_109

2

342+95, 119' LT
LED-D-8(T)-20-DCM14

345+14
LED-D-E(A)-8-DCM4

347+84
LED-D-E(A)-8-CCM5

350+56
ONLY LIGHTING UNIT BASE
(DCM6/CCM6)

353+13
LED-D-E(A)-8-CCM7

356+05, 114' LT
DISTRIBUTION
CENTER
HL-40-CM

355+74
LED-D-E(A)-8-ACM1

LED-D-E(A)-8-DCM5

LED-D-E(A)-8-BCM1

LED-D-E(A)-8-DCM7

348+80, 87' RT
LED-D-E(T)-10-CCM17

355+91, 84' RT
S-40-374
NO SIGN LIGHTING

342+53
LED-D-E(A)-8-DCM3/CCM3

LED-D-E(A)-8-CCM4

342+91, 139' RT
LED-C-7(T)-10-CCM14

344+76, 130' RT
LED-C-7(T)-10-CCM15

346+87, 103' RT
LED-C-7(T)-10-CCM16

MATCHLINE STA 342+25

MATCHLINE STA 357+25

IH 41 / USH 45

IH 41 / USH 45

W CARMEN AVE.

N 117th

W CARMEN AVE.

N LOVERS LN.

UNION PACIFIC

PARKING

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	LIGHTING PLAN - PROPOSED	SHEET E

PRE_110

FILE NAME : W:\PROJECTS\19254\1100-20-00\05_CADD\CADD DRAWINGS\023601_LP 2021-02-26.DWG
LAYOUT NAME - 023617_lp - 71

PLOT DATE : 10/15/2021 5:01 PM PLOT BY : WILLIAM NEAVE PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

ST.

358+52
LED-D-E(A)-8-BCM2

361+20
LED-D-E(A)-8-ACM3

363+88
LED-D-18F(A)-8-BCM4
S-40-240
NO SIGN LIGHTING

366+55
LED-D-E(A)-8-ACM5

369+22
LED-D-E(A)-8-BCM6

MATCHLINE STA 357+25

358

360

362

364

366

368

370

IH 41 / USH 45

IH 41 / USH 45

371+64
BLX1

ALX1

MATCHLINE STA 371+75

W BOBOLINK AVE.

W FLORIST AVE.

N LOVERS LN.

N LOVERS LN.

LED-D-E(A)-8-ACM2

LED-D-E(A)-8-BCM3

LED-D-18F(A)-8-ACM4

LED-D-E(A)-8-BCM5

LED-D-E(A)-8-ACM6

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	LIGHTING PLAN - PROPOSED	SHEET E

PRE_111

FILE NAME : W:\PROJECTS\19254\1100-20-00\05_CADD\CADD DRAWINGS\023601_LP 2021-02-26.DWG
LAYOUT NAME - 023618_lp - 71

PLOT DATE : 10/15/2021 5:02 PM PLOT BY : WILLIAM NEAVE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX') SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LUMINAIRE UNDER PERMIT TO LOCAL MUNICIPALITY
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT

CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

N

SIGN
IH 41 NB ON RAMP
SIGN
SIGN
ANT.
SPEED LIMIT= 35 MPH
SIGN
MH
PB9
SB4
SB5
PB10
PB11
SB6
SB7
PB12
2-3"
3"
FO
45'
250' TO NEAR RIGHT SIGNAL
2-6'X6' 4 TURNS EA.
PB13
PB14
SB8
PB8
2-6'X20' 3 TURNS EA.
30+00
31+00
32+00
33+00
34+00
35+00
CTH EE (W. HAMPTON AVE)
W HAMPTON AVE
850' TO END OF DETECTOR AREA
50' TO RADAR DETECTOR UNIT
SPEED LIMIT= 35 MPH SIGN
SB3
PB7
SB2
PB6
SB1
PB15
CB1
PB1
PB2
PB4
PB3
SB IH 41
NB IH 41
IH 41 NB OFF RAMP
ONLY
4-6'X20' 3 TURNS EA.
A
A
GUY

- RADAR DETECTION AREA
- RADAR DETECTOR
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- FY Y YELLOW ARROW
- G GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- Y YIELD SIGN
- LANE DESIGNATION FOR INFO ONLY

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
IH 41 NB RAMPS &
CTH EE (W. HAMPTON AVE)
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1218
CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER
APPROVED
DATE _____ STATE TRAFFIC ENGINEER

REGION CONTACT: D. BRANTNER
DESIGNED BY: S. WAGNER
REVISED BY:

PAGE 1 OF 3

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET E

PRE_112

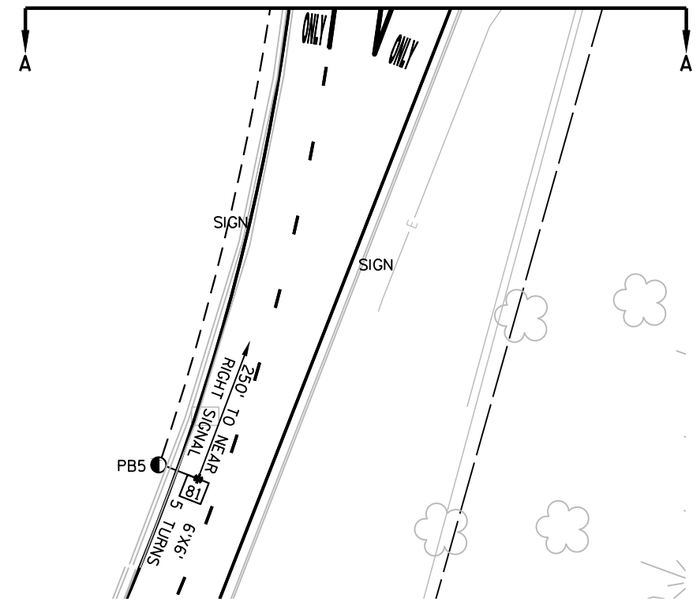
FILE NAME : N:\PDS\C3D\CAD\11002000\SIG\S40-1218\S40-1218_18.DWG
LAYOUT NAME - S40-1218_PG1

PLOT DATE : 10/4/2021 7:13 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N



TRAFFIC CONTROL SIGNAL
IH 41 NB RAMPS &
CTH EE (W. HAMPTON AVE)
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1218

REGION CONTACT: D. BRANTNER
DESIGNED BY: S. WAGNER
REVISED BY:

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET E

PRE_113

FILE NAME : N:\PDS\C3D\CAD\11002000\SIG\S40-1218\S40-1218_18.DWG
LAYOUT NAME - S40-1218_PG2

PLOT DATE : 10/4/2021 7:14 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

1 MARKING LINE GROOVED WET REF EPOXY 4-INCH YELLOW

2 MARKING LINE GROOVED WET REF EPOXY 4-INCH WHITE

3 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH WHITE DASHED (12.5' LINE AND 37.5' SKIP)

4 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH WHITE

5 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH WHITE DASHED (3' LINE AND 9' SKIP)

7 MARKING DIAGONAL EPOXY 12-INCH, YELLOW

8 MARKING DIAGONAL EPOXY 24-INCH, WHITE

9 PAVEMENT MARKING EPOXY, HOV SYMBOL, WHITE

11 MARKING STOP LINE, 18-INCH

12 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH WHITE DASHED (2' LINE AND 6' SKIP)

13 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

14 MARKING YIELD LINE SYMBOLS EPOXY 18-INCH

15 MARKING CHEVRON EPOXY 24-INCH

16 MARKING ARROW EPOXY TYPE 2

17 MARKING ARROW EPOXY TYPE 3

18 MARKING ARROW EPOXY TYPE 4

19 MARKING WORDS EPOXY

2

2

N

BEGIN PROJECT
STA 243+34.69
Y=318,939.411
X=566,269.576

SB IH 41

NB IH 41

"CB"
MH
+34.69
45.28
4
20"CB"
244"AUX"
246"AUX"
22"CB"
+34.69
45.55
2
24"CB"
248"AUX"
5
250"AUX"
26"CB"
252"AUX"
7
254"AUX"
3
256"AUX"
258"AUX"
244
246
248
250
252
254
256
258
2
3
+82.51
45.49
1
52"CD1"
4
54"CD1"
+81.18
65.31
+32.80
52.40
56"CD1"
5
58"CD1"
2
INL
SIGN
MH

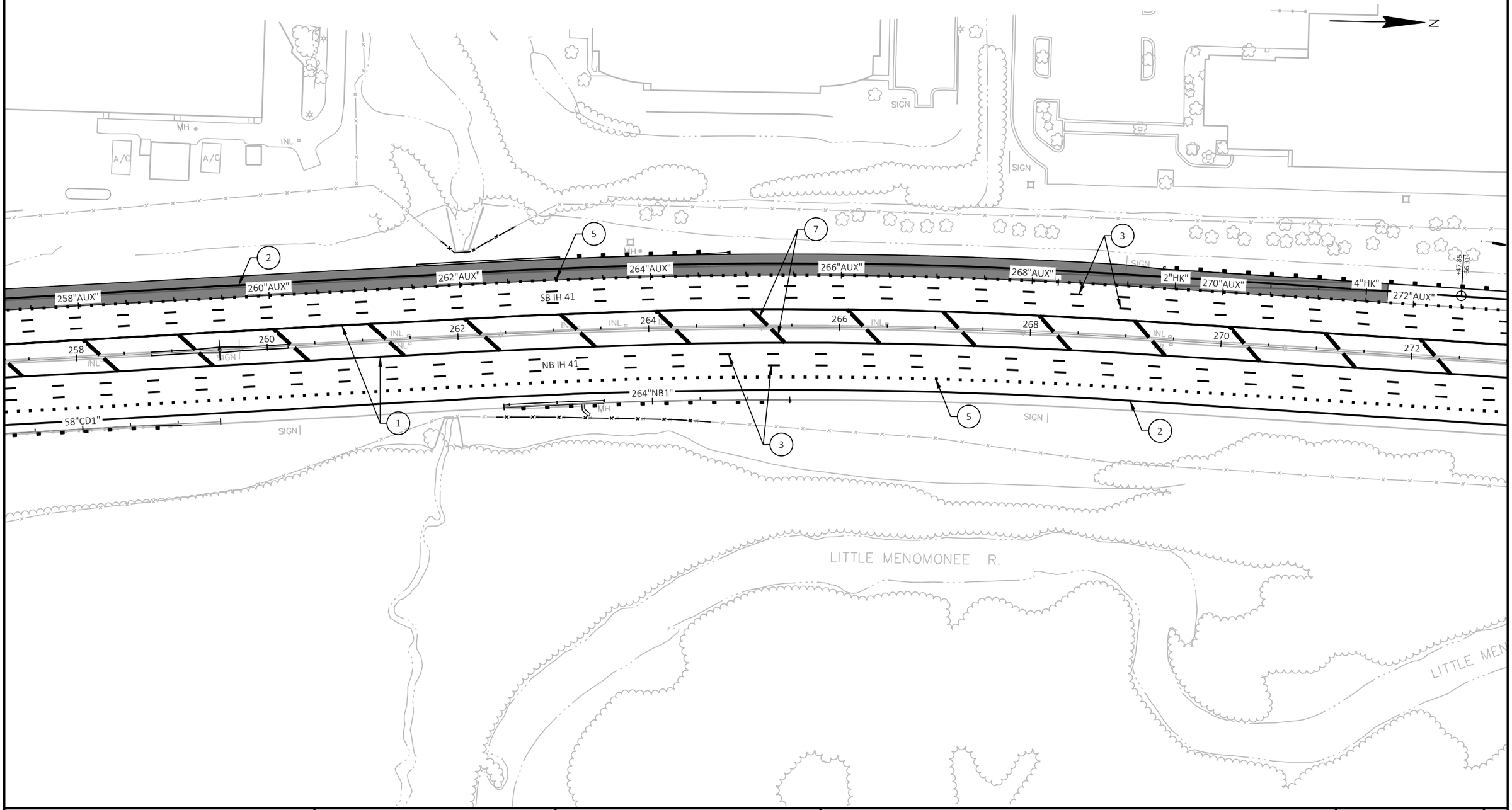
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PAVEMENT MARKINGS	SHEET E

PRE_115

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_024501-PM.DWG
LAYOUT NAME - 024502-pm

PLOT DATE : 10/6/2021 12:57 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PAVEMENT MARKINGS	SHEET E

PRE_116

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_024501-PM.DWG
LAYOUT NAME - 024503-pm

PLOT DATE : 10/6/2021 12:57 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

N 117th ST

HAMPTON SB ENTRANCE RAMP

HAMPTON NB EXIT RAMP

SB IH 41

NB IH 41

LITTLE MENOMONEE R.

6"HK" 274"AUX" 8"HK" 276"AUX" 10"HK" 278"AUX" 12"HK" 14"HK" 16"HK" 18"HK" 20"HK"

276"HM3" 278"HM3" 280"HM3"

+47.65 66.31

+50.82 54.67

+92.28 52.47'

+92.28 52.28'

+03.25 69.64'

+04.80 111.98'

+30.29 53.71'

+25.29 53.78'

+66.36 75.23'

+86.94 127.69'

+56.58 145.84'

+61.66 178.93'

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PAVEMENT MARKINGS	SHEET E

PRE_117

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_024501-PM.DWG
LAYOUT NAME - 024504-pm

PLOT DATE : 10/6/2021 12:58 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

W DERBY AVE.

FILLER CAPS

CANOPY

22"HK"

20"HK"

HAMPTON SB ENTRANCE RAMP

HAMPTON SB EXIT RAMP

292"SB1"

294"SB1"

SB IH 41

NB IH 41

288

290

292

294

296

298

300

302

288"NB2"

290"NB2"

292"NB2"

EB HAMPTON AVE

WB HAMPTON AVE

HAMPTON NB EXIT RAMP

HAMPTON NB ENTRANCE RAMP

12"HN"

10"HN"

8"HN"

6"HN"

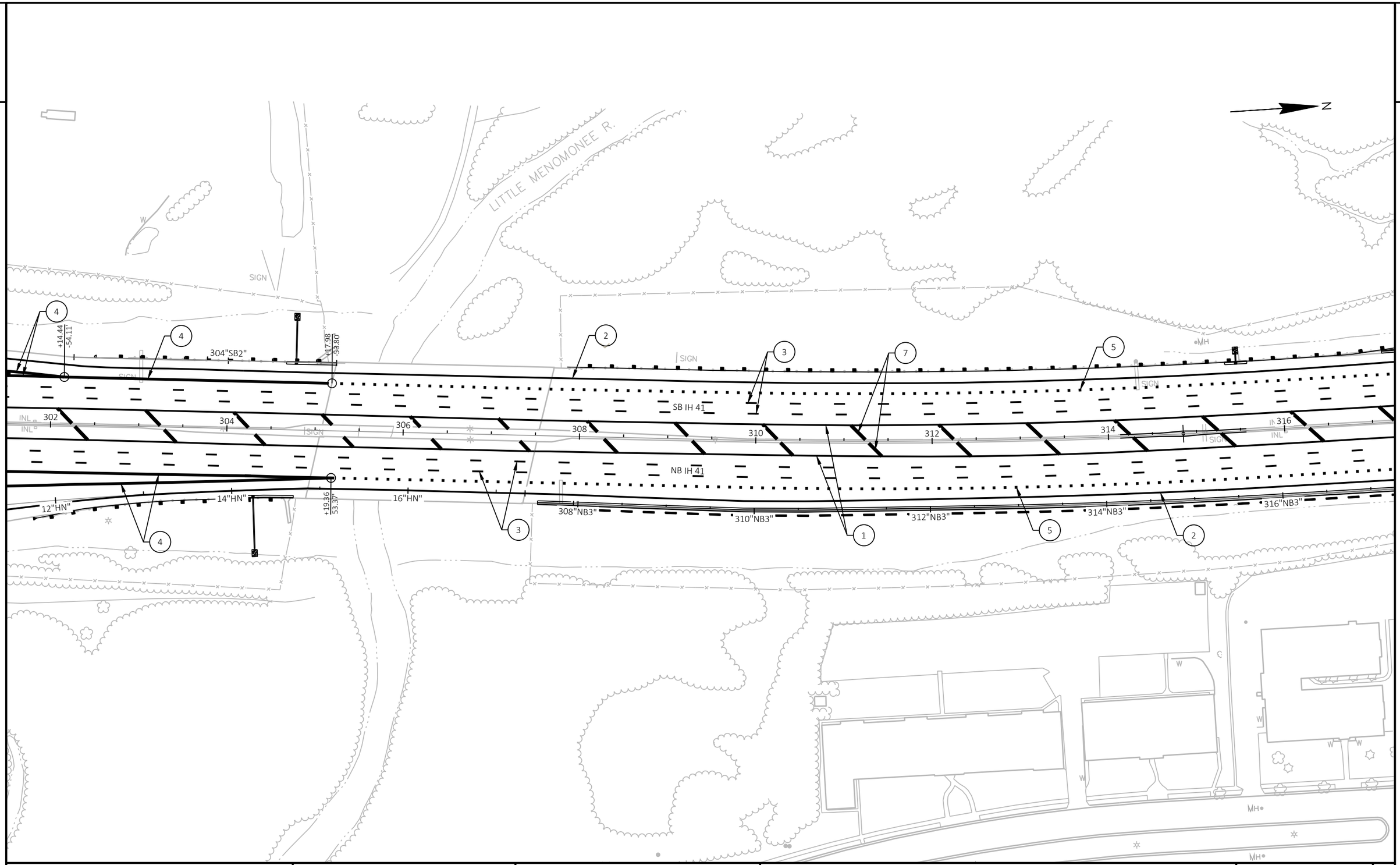
4"HN"

2"HN"

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PAVEMENT MARKINGS	SHEET E

PRE_118

2



PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PAVEMENT MARKINGS	SHEET E

PRE_119

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_024501-PM.DWG
LAYOUT NAME - 024506-pm

PLOT DATE : 10/6/2021 12:59 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

SB IH 41

NB IH 41

318"NB3"

320"NB3"

322"NB3"

SILVER SPRING SB ENTRANCE RAMP

SILVER SPRING NB EXIT RAMP

+63.68
-54.14

+63.34
-77.28

+30.35
-53.60

+05.45
-123.08

+78.54
52.87

+78.54
52.67

+00.33
54.72

+98.43
78.23

+39.92
92.57

+91.36
126.82

POOL

FILLER CAPS

CANOPY

SIGN

INL

MH

W

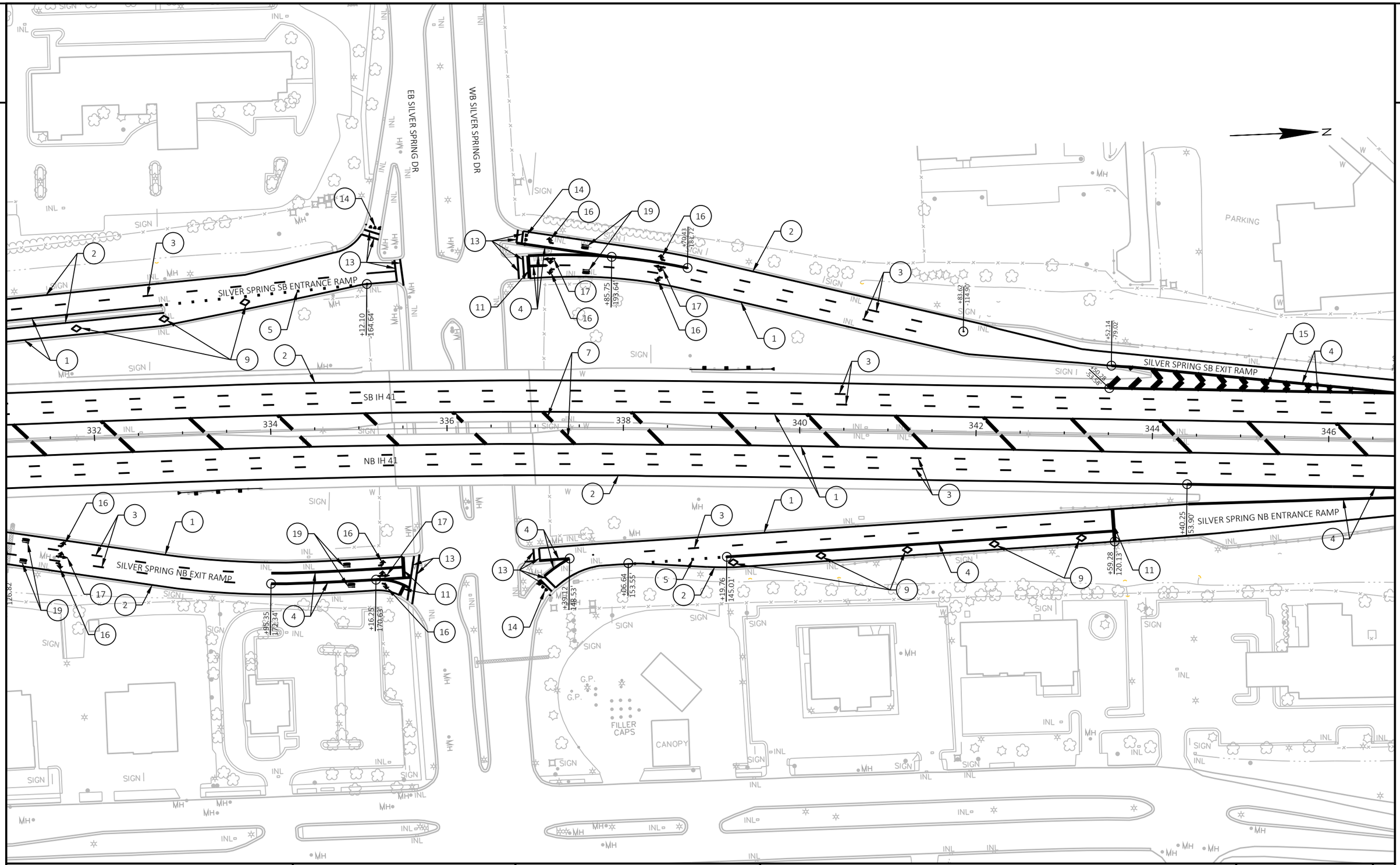
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PAVEMENT MARKINGS	SHEET E

PRE_120

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_024501-PM.DWG
LAYOUT NAME - 024507-pm

PLOT DATE : 10/6/2021 12:59 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PAVEMENT MARKINGS	SHEET E

PRE_121

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_024501-PM.DWG
LAYOUT NAME - 024508-pm

PLOT DATE : 10/6/2021 1:00 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

SILVER SPRING SB EXIT RAMP

SILVER SPRING NB ENTRANCE RAMP

END PROJECT
STA 348+82.41

N 117th ST.

W CARMEN AVE.

N LOVERS LN.

UNION PACIFIC

PARKING

U/C

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PAVEMENT MARKINGS	SHEET PRE_122 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_024501-PM.DWG
LAYOUT NAME - 024509-pm

PLOT DATE : 10/6/2021 1:00 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

PLAN VIEW LEGEND

DAY AND NIGHT WORKZONE

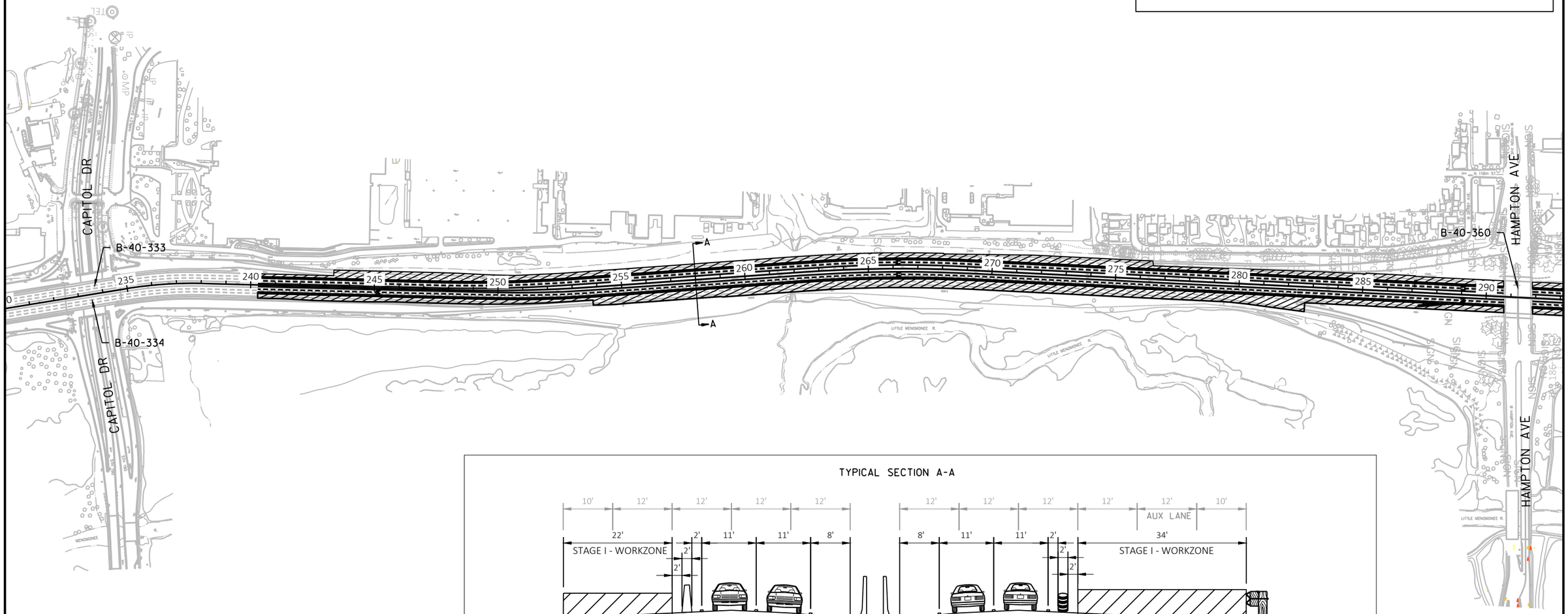
NIGHT WORKZONE ONLY

DESCRIPTION

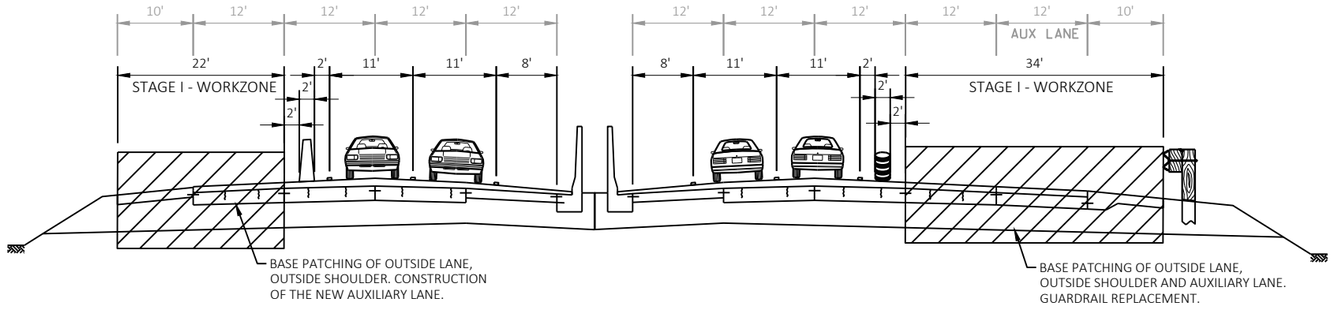
THIS STAGE IS USED FOR THE FOLLOWING:
- CONSTRUCTION OF THE SB AUXILIARY LANE BETWEEN HAMPTON AVENUE AND CAPITOL DRIVE.
- BASE PATCHING OF THE OUTSIDE LANE, OUTSIDE SHOULDER, ANY ACCELERATION/DECELERATION LANES AND EXISTING AUXILIARY LANES.
- BEAMGUARD REPLACEMENT.
- BRIDGE OVERLAY.
- EXPANSION JOINT REPLACEMENT.
- APPROACH SLAB REPLACEMEN.T

TRAFFIC

- TRAFFIC IS PUSHED TO THE INSIDE LANE, INSIDE SHOULDER AND PART OF THE MIDDLE LANE.
- THE REMAINING OF THE MIDDLE LANE IS USED FOR THE PLACEMENT OF THE TRAFFIC CONTROL DEVICES AND SHY DISTANCES.
- OUTSIDE LANE AND SHOULDER ARE FULLY CLOSED.



TYPICAL SECTION A-A



PROJECT NO: 1100-20-70	HWY: IH-41	COUNTY: MILWAUKEE	CONSTRUCTION OVERVIEW STAGE I	SHEET E

PRE_123

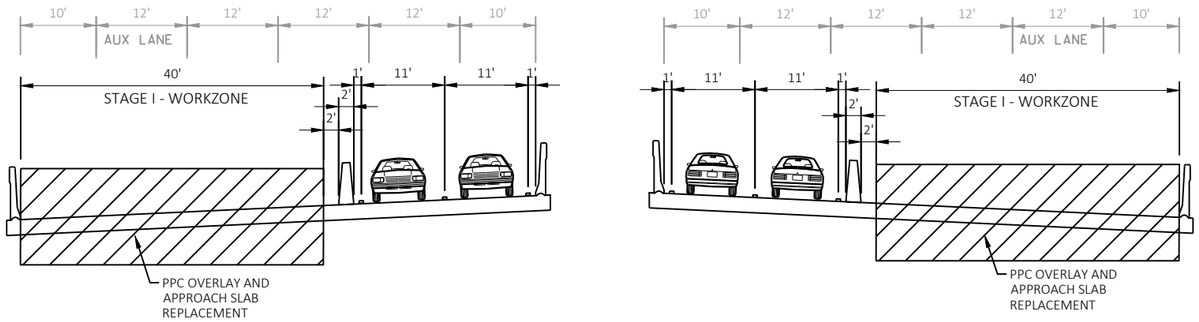
FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\TRAFFIC CONTROL\STAGE 1_SHEETS.DWG
LAYOUT NAME - STAGE 1_SHEETS - 025001

PLOT DATE : 9/13/2021 11:58 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:400 FT

WISDOT/CADDS SHEET 44

2

TYPICAL SECTION B-B



PLAN VIEW LEGEND

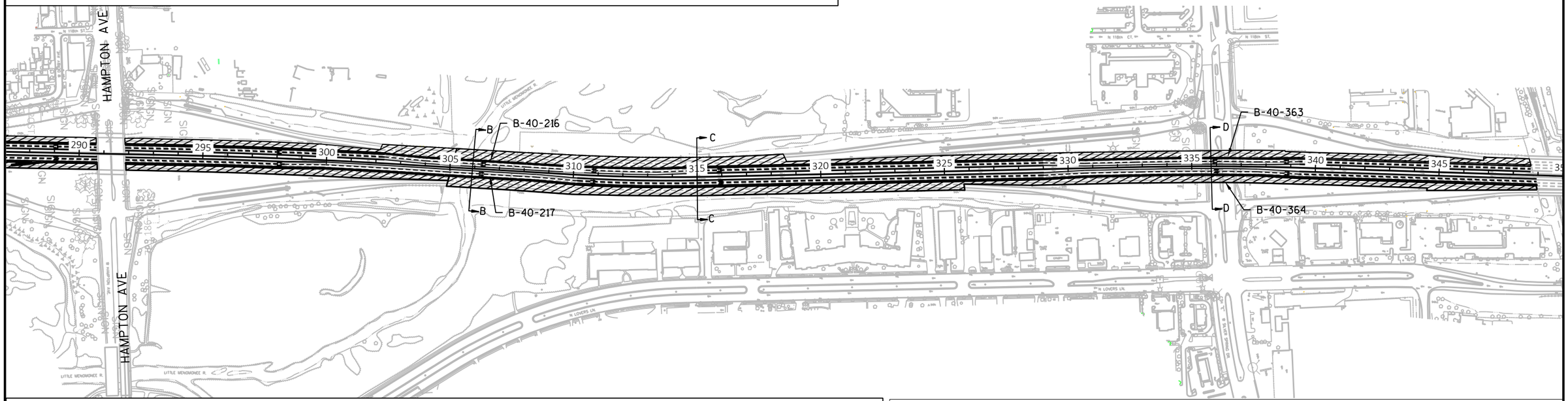
- DAY AND NIGHT WORKZONE
- NIGHT WORKZONE ONLY

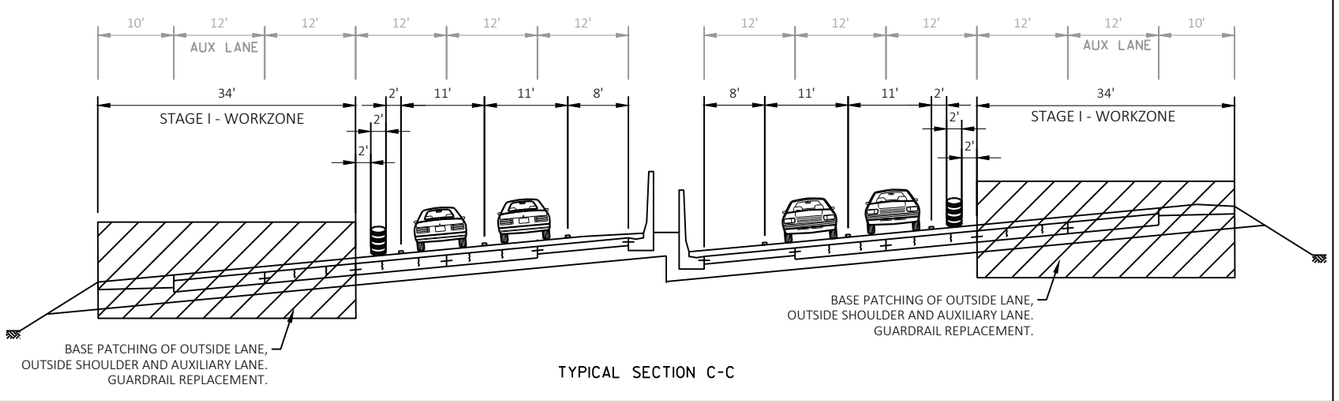
DESCRIPTION

THIS STAGE IS USED FOR THE FOLLOWING:
- CONSTRUCTION OF THE SB AUXILIARY LANE BETWEEN HAMPTON AVENUE AND CAPITOL DRIVE.
- BASE PATCHING OF THE OUTSIDE LANE, OUTSIDE SHOULDER, ANY ACCELERATION/DECELERATION LANES AND EXISTING AUXILIARY LANES.
- BEAMGUARD REPLACEMENT.
- BRIDGE OVERLAY.
- EXPANSION JOINT REPLACEMENT.
- APPROACH SLAB REPLACEMENT.

TRAFFIC

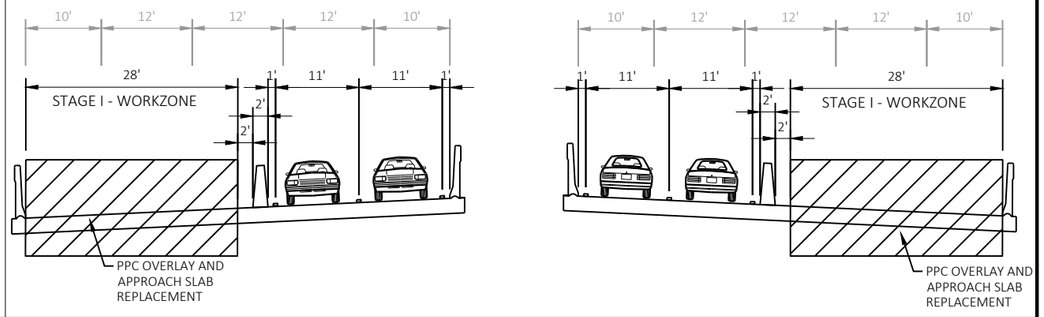
- TRAFFIC IS PUSHED TO THE INSIDE LANE, INSIDE SHOULDER AND PART OF THE MIDDLE LANE.
- THE REMAINING OF THE MIDDLE LANE IS USED FOR THE PLACEMENT OF THE TRAFFIC CONTROL DEVICES AND SHY DISTANCES.
- OUTSIDE LANE AND SHOULDER ARE FULLY CLOSED.





TYPICAL SECTION C-C

TYPICAL SECTION D-D



PROJECT NO: 1100-20-70	HWY: IH-41	COUNTY: MILWAUKEE	CONSTRUCTION OVERVIEW STAGE I	SHEET E

2

2

PLAN VIEW LEGEND

DAY AND NIGHT WORKZONE

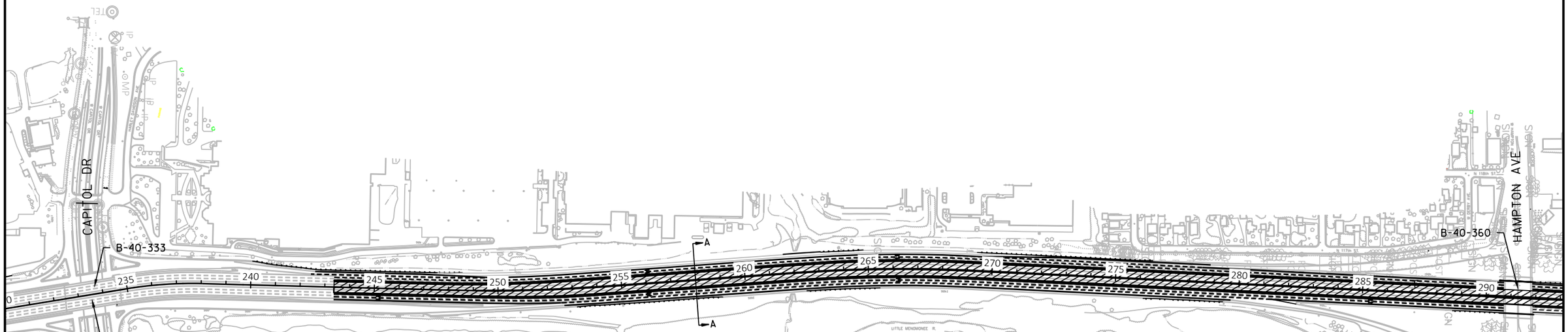
NIGHT WORKZONE ONLY

DESCRIPTION

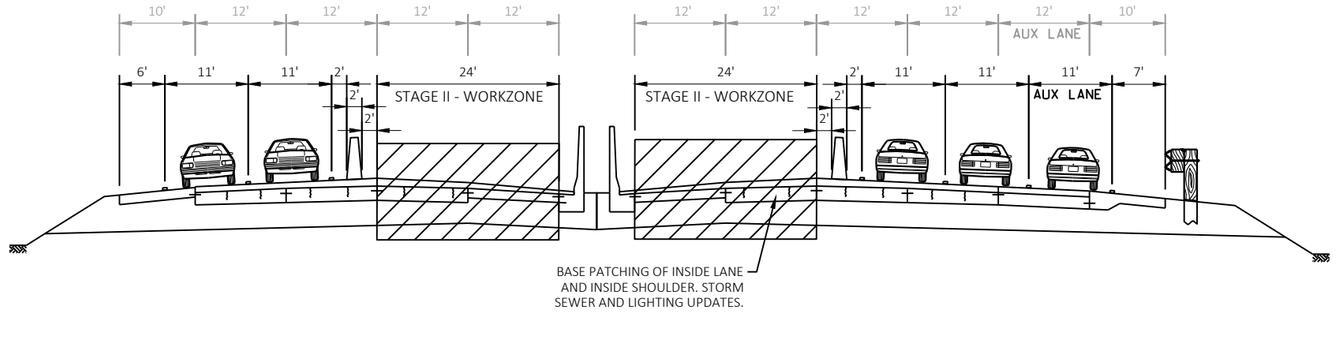
THIS STAGE IS USED FOR THE FOLLOWING:
- BASE PATCHING OF THE INSIDE LANE AND INSIDE SHOULDER.
- MEDIAN WORK (SIGNS STRUCTURE, SPOT BARRIER REPLACEMENT, STORM SEWER, LIGHTING).
- BRIDGE OVERLAY.
- EXPANSION JOINT REPLACEMENT.
- APPROACH SLAB REPLACEMENT.

TRAFFIC

- TRAFFIC IS PUSHED TO THE OUTSIDE LANE AND OUTSIDE SHOULDER.
- MIDDLE LANE, INSIDE LANE AND INSIDE SHOULDER ARE CLOSED.



TYPICAL SECTION A-A



PROJECT NO: 1100-20-70	HWY: IH-41	COUNTY: MILWAUKEE	CONSTRUCTION OVERVIEW STAGE II	SHEET E

PRE_125

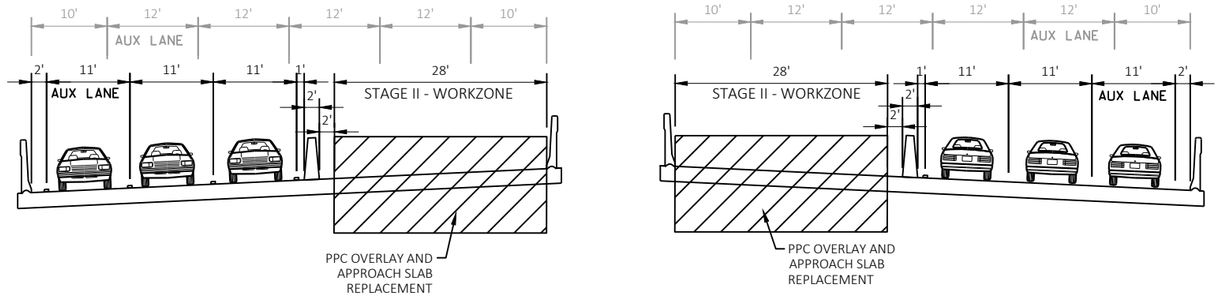
FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\TRAFFIC CONTROL\STAGE 2_SHEETS.DWG
LAYOUT NAME - STAGE 2_SHEETS - 025001

PLOT DATE : 9/13/2021 12:02 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:400 FT

WISDOT/CADDS SHEET 44

2

TYPICAL SECTION B-B



PLAN VIEW LEGEND

- DAY AND NIGHT WORKZONE
- NIGHT WORKZONE ONLY

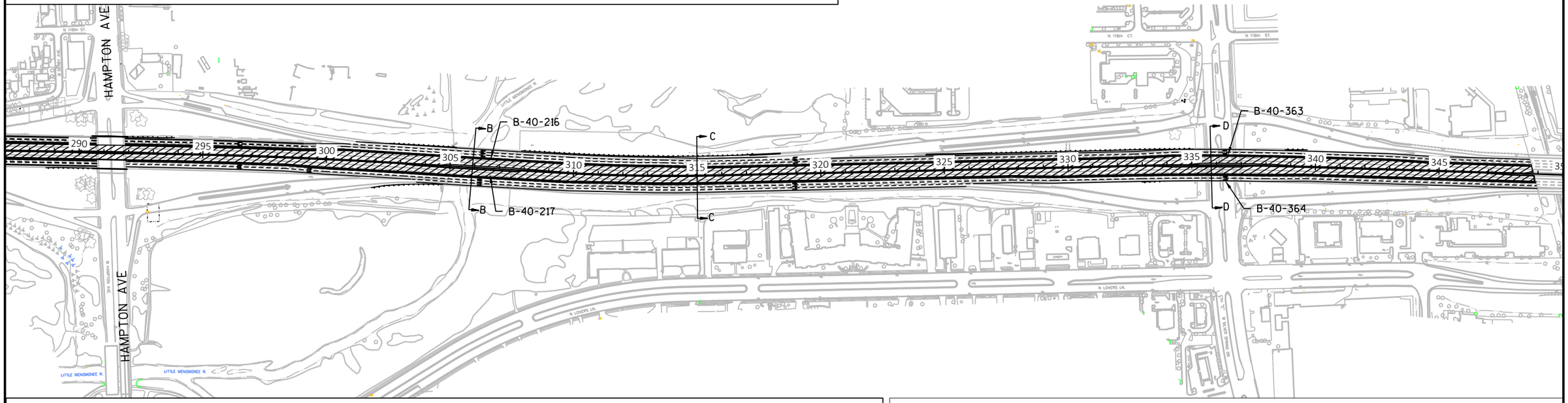
DESCRIPTION

THIS STAGE IS USED FOR THE FOLLOWING:
- BASE PATCHING OF THE INSIDE LANE AND INSIDE SHOULDER.
- MEDIAN WORK (SIGNS STRUCTURE, SPOT BARRIER REPLACEMENT, STORM SEWER, LIGHTING).
- BRIDGE OVERLAY.
- EXPANSION JOINT REPLACEMENT.
- APPROACH SLAB REPLACEMENT.

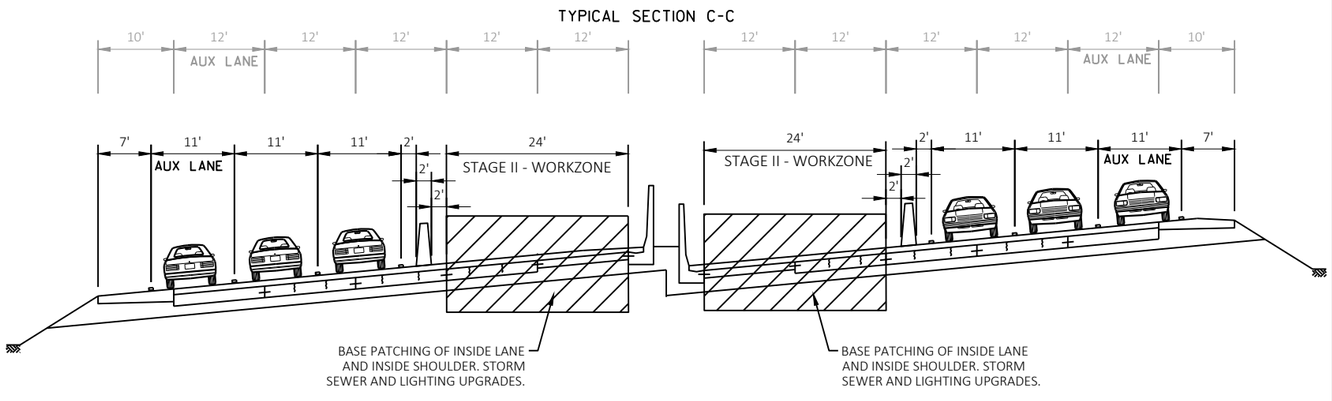
TRAFFIC

- TRAFFIC IS PUSHED TO THE OUTSIDE LANE AND OUTSIDE SHOULDER.
- MIDDLE LANE, INSIDE LANE AND INSIDE SHOULDER ARE CLOSED.

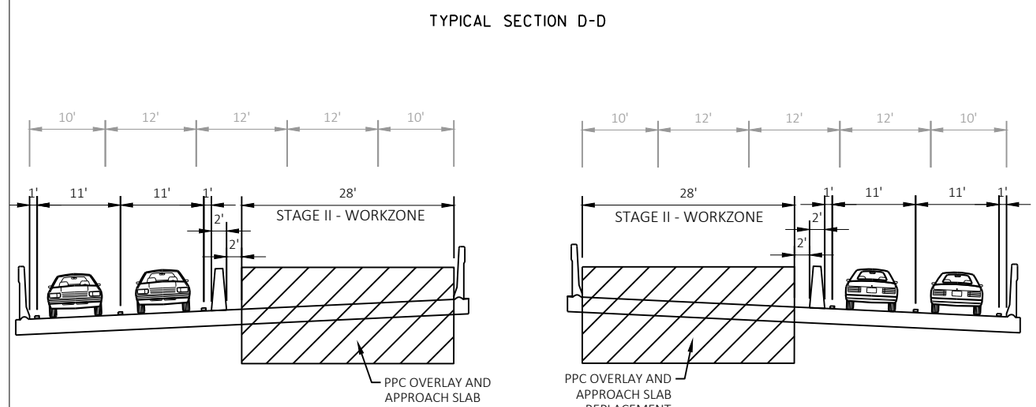
2



TYPICAL SECTION C-C



TYPICAL SECTION D-D



PROJECT NO: 1100-20-70	HWY: IH-41	COUNTY: MILWAUKEE	CONSTRUCTION OVERVIEW STAGE II	SHEET E

2

2

PLAN VIEW LEGEND

DAY AND NIGHT WORKZONE

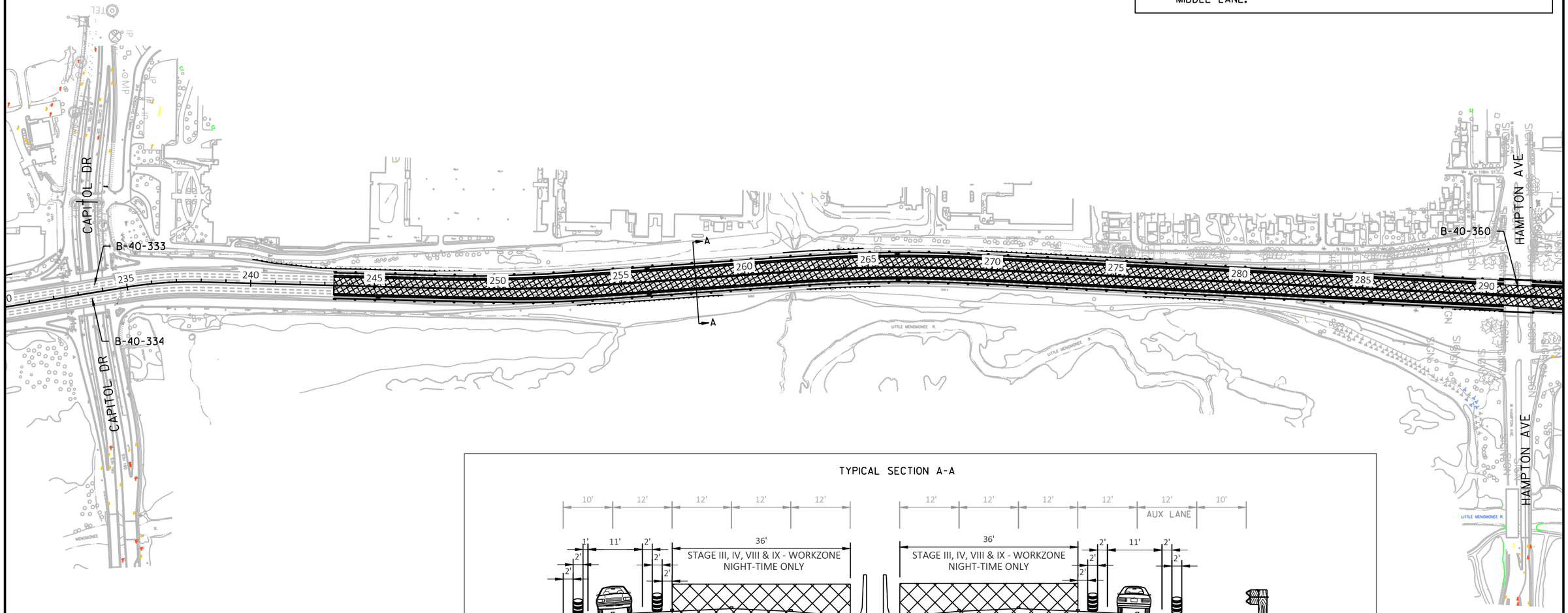
NIGHT WORKZONE ONLY

DESCRIPTION

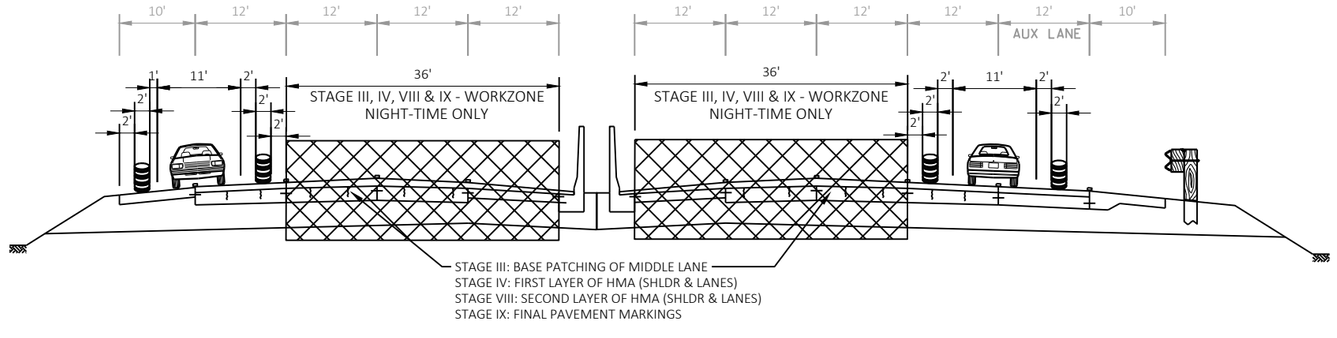
- STAGE III IS USED FOR BASE PATCHING OF THE MIDDLE LANE THAT COULD NOT BE ACCESSED DURING THE PREVIOUS STAGES.
- STAGE IV IS USED FOR PLACING THE FIRST LAYER OF HMA ON THE INSIDE SHOULDER, INSIDE LANE AND MIDDLE LANE.
- STAGE VIII IS USED FOR THE PLACING THE SECOND LAYER OF HMA ON THE INSIDE SHOULDER, INSIDE LANE AND MIDDLE LANE.
- STAGE IX IS USED FOR THE INSTALLATION OF FINAL PAVEMENT MARKINGS.

TRAFFIC

- WORKZONE WILL BE LIMITED ONLY TO NIGHT-TIME.
- A SINGLE LANE OF TRAFFIC WILL BE MAINTAINED DURING NIGHT-TIME.
- TRAFFIC IS PUSHED TO THE OUTSIDE TO ALLOW ACCESS TO THE MIDDLE LANE.



TYPICAL SECTION A-A



PROJECT NO: 1100-20-70	HWY: IH-41	COUNTY: MILWAUKEE	CONSTRUCTION OVERVIEW STAGE III, IV, VIII & IX	SHEET E

PRE_127

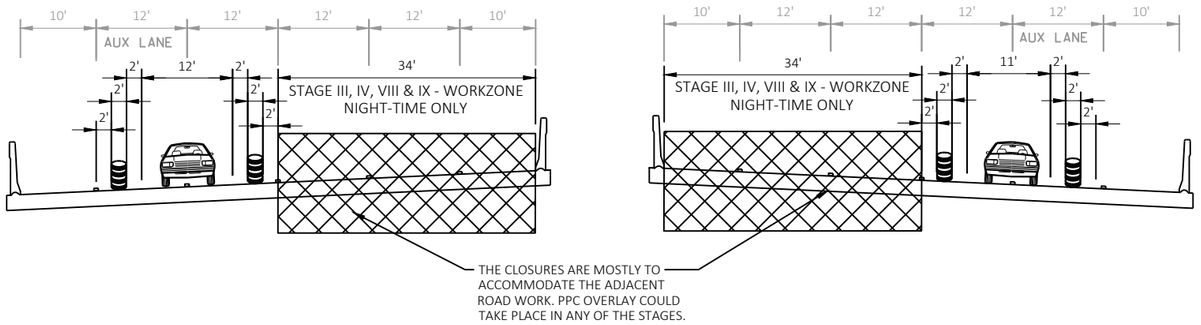
FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\TRAFFIC CONTROL\STAGE 3_4_8 & 9.DWG
LAYOUT NAME - STAGE 3_4_8 & 9 - 025001

PLOT DATE : 9/13/2021 12:07 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:400 FT

WISDOT/CADDS SHEET 44

2

TYPICAL SECTION B-B



PLAN VIEW LEGEND

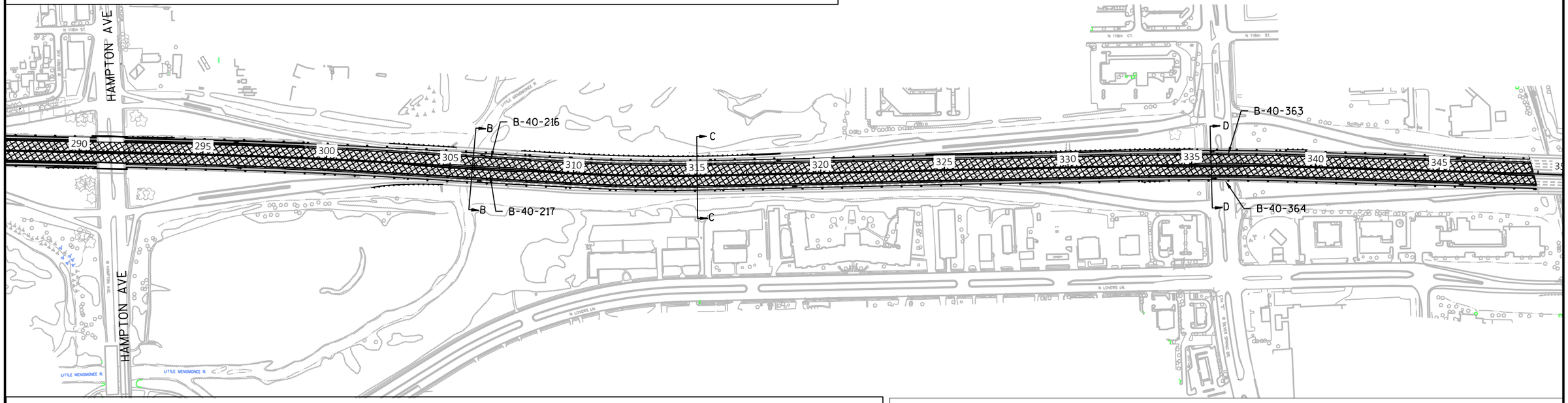
- DAY AND NIGHT WORKZONE
- NIGHT WORKZONE ONLY

DESCRIPTION

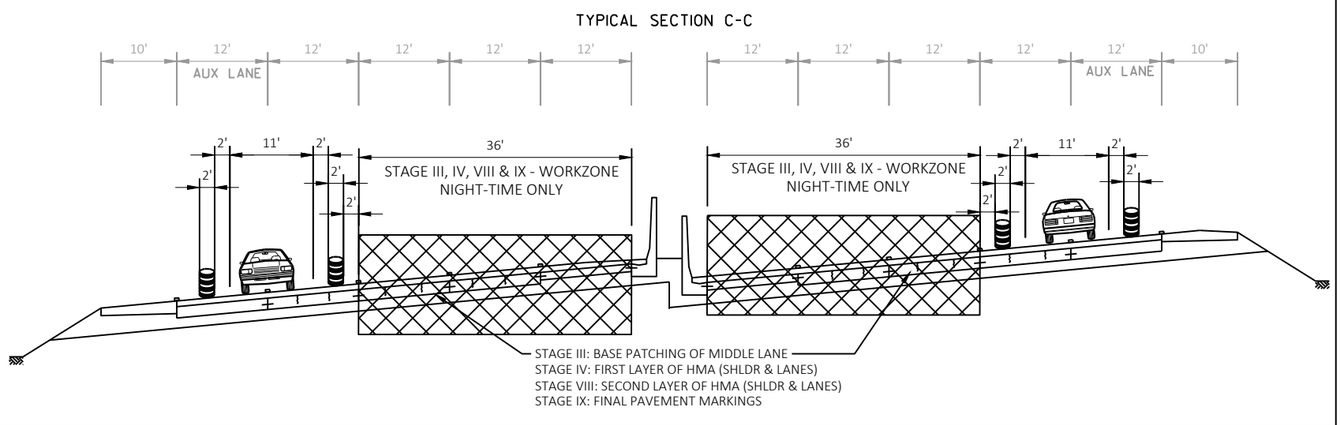
- STAGE III IS USED FOR BASE PATCHING OF THE MIDDLE LANE THAT COULD NOT BE ACCESSED DURING THE PREVIOUS STAGES.
- STAGE IV IS USED FOR PLACING THE FIRST LAYER OF HMA ON THE INSIDE SHOULDER, INSIDE LANE AND MIDDLE LANE.
- STAGE VIII IS USED FOR THE PLACING THE SECOND LAYER OF HMA ON THE INSIDE SHOULDER, INSIDE LANE AND MIDDLE LANE.
- STAGE IX IS USED FOR THE INSTALLATION OF FINAL PAVEMENT MARKINGS.

TRAFFIC

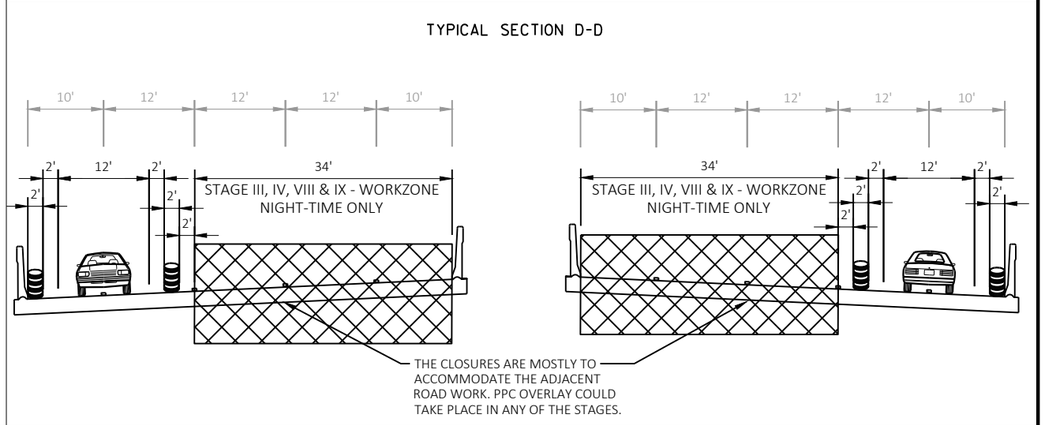
- WORKZONE WILL BE LIMITED ONLY TO NIGHT-TIME.
- A SINGLE LANE OF TRAFFIC WILL BE MAINTAINED DURING NIGHT-TIME.
- TRAFFIC IS PUSHED TO THE OUTSIDE TO ALLOW ACCESS TO THE MIDDLE LANE.



TYPICAL SECTION C-C



TYPICAL SECTION D-D



PROJECT NO: 1100-20-70	HWY: IH-41	COUNTY: MILWAUKEE	CONSTRUCTION OVERVIEW STAGE III, IV, VIII & IX	SHEET E

PRE_128

PLAN VIEW LEGEND

DAY AND NIGHT WORKZONE

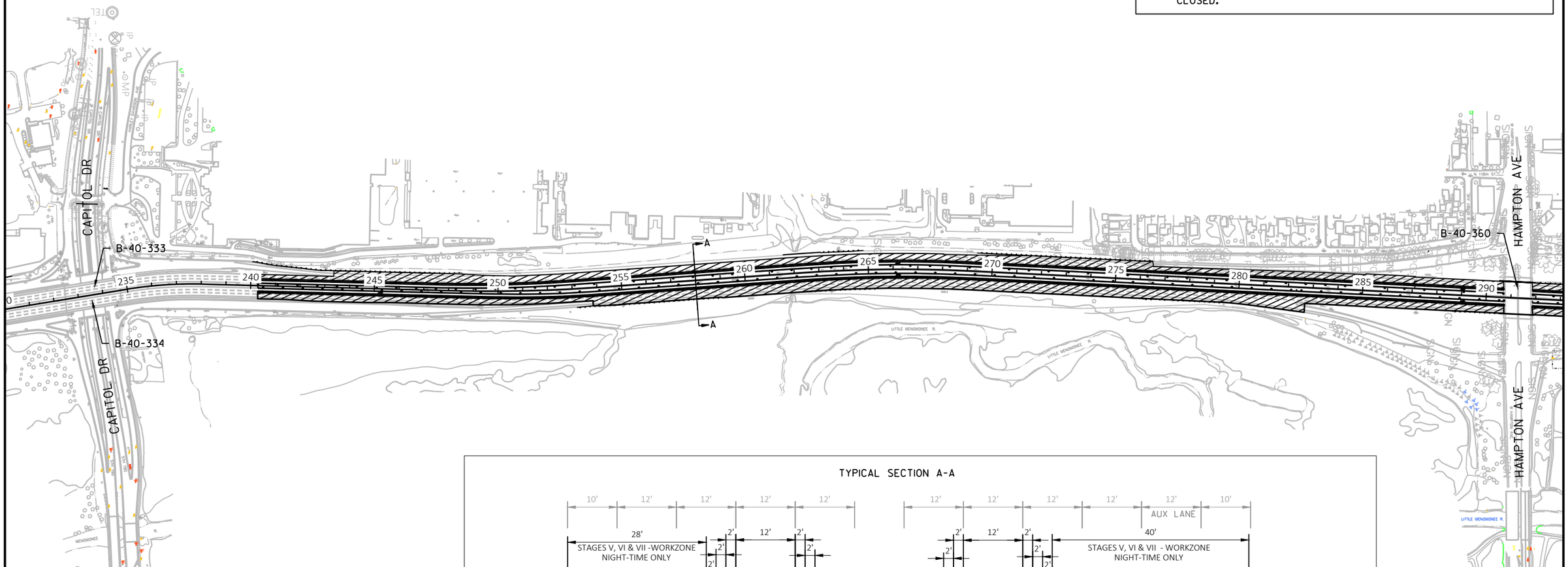
NIGHT WORKZONE ONLY

DESCRIPTION

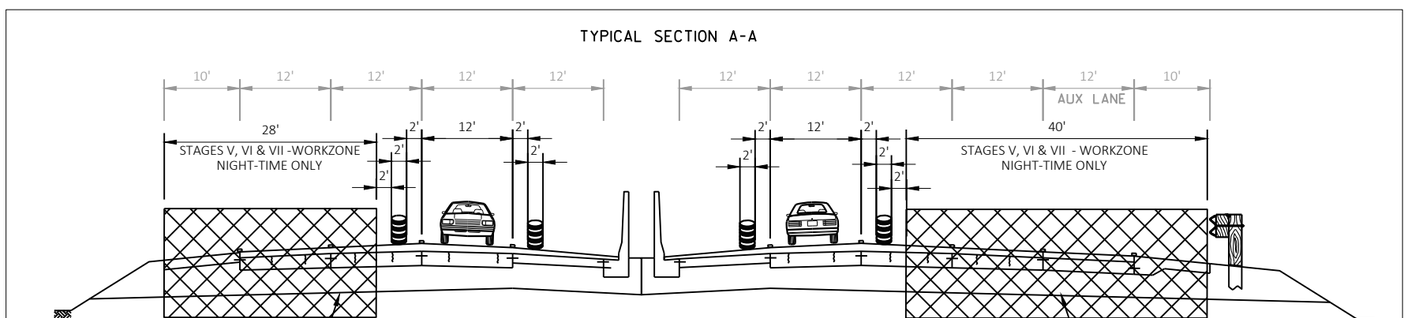
- STAGE V IS USED FOR PLACING THE FIRST LAYER OF HMA ON THE OUTSIDE LANE.
- STAGE VI IS USED FOR PLACING THE SECOND LAYER OF HMA ON THE OUTSIDE LANE.
- STAGE VII IS USED FOR THE INSTALLATION OF THE FINAL PAVEMENT MARKINGS.
- PPC OVERLAY FOR THE BRIDGES CAN TAKE PLACE IN STAGES V OR VI.

TRAFFIC

- WORKZONE WILL BE LIMITED ONLY TO NIGHT-TIME.
- A SINGLE LANE OF TRAFFIC WILL BE MAINTAINED DURING NIGH-TIME.
- TRAFFIC IS PUSHED TO THE INSIDE LANE. ALL OTHER LANES ARE CLOSED.



TYPICAL SECTION A-A



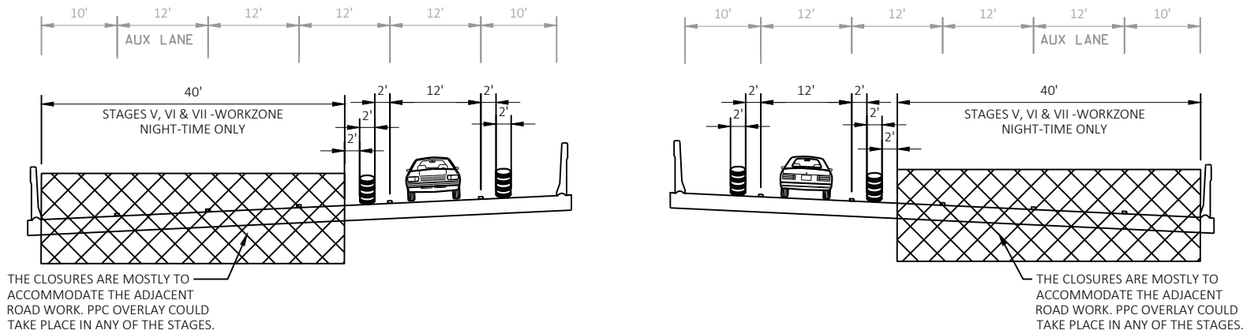
PROJECT NO: 1100-20-70	HWY: IH-41	COUNTY: MILWAUKEE	CONSTRUCTION OVERVIEW STAGES V, VI & VII	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\TRAFFIC CONTROL\STAGE 5_6 & 7.DWG
LAYOUT NAME - STAGE 5_6 & 7 - 025001

PLOT DATE : 9/13/2021 12:11 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:400 FT

2

TYPICAL SECTION B-B



PLAN VIEW LEGEND

- DAY AND NIGHT WORKZONE
- NIGHT WORKZONE ONLY

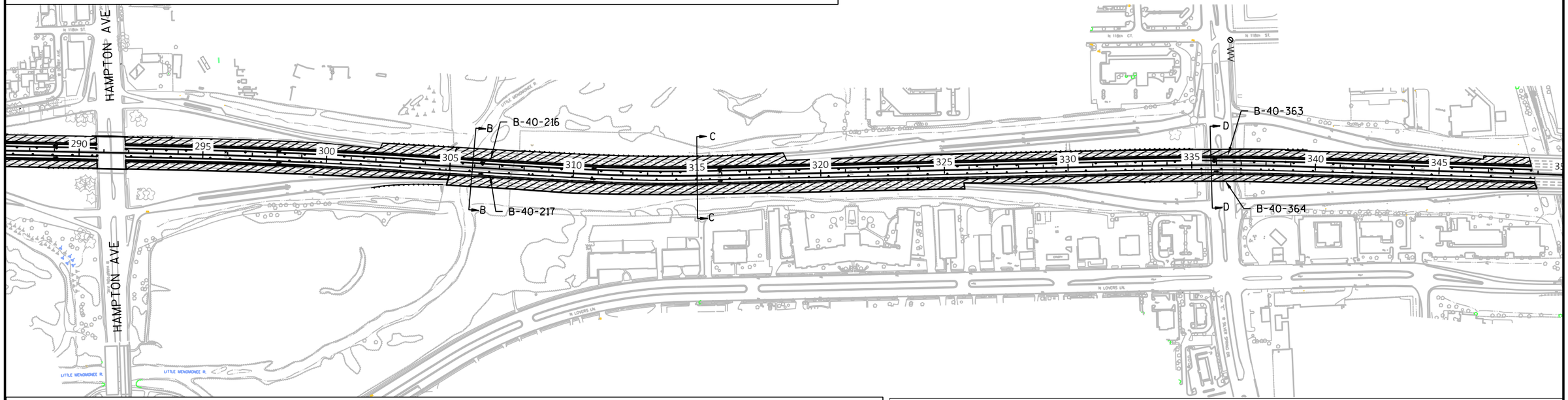
DESCRIPTION

- STAGE V IS USED FOR PLACING THE FIRST LAYER OF HMA ON THE OUTSIDE LANE.
- STAGE VI IS USED FOR PLACING THE SECOND LAYER OF HMA ON THE OUTSIDE LANE.
- STAGE VII IS USED FOR THE INSTALLATION OF THE FINAL PAVEMENT MARKINGS.
- PPC OVERLAY FOR THE BRIDGES CAN TAKE PLACE IN STAGES V OR VI.

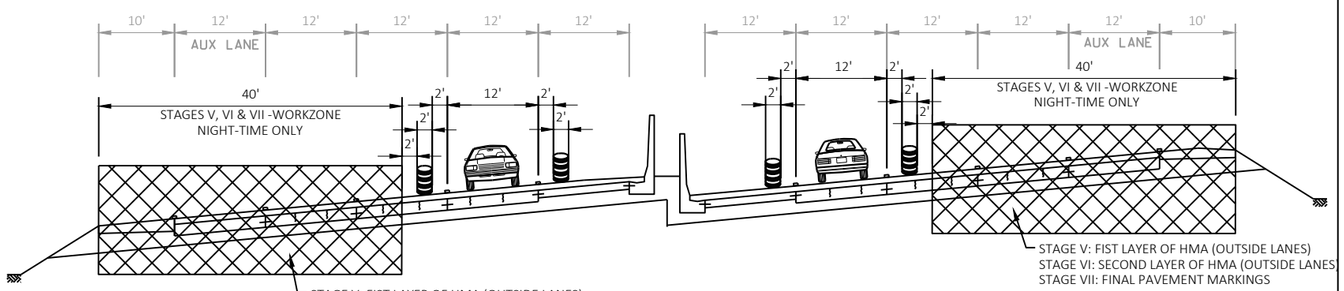
TRAFFIC

- WORKZONE WILL BE LIMITED ONLY TO NIGHT-TIME.
- A SINGLE LANE OF TRAFFIC WILL BE MAINTAINED DURING NIGH-TIME.
- TRAFFIC IS PUSHED TO THE INSIDE LANE. ALL OTHER LANES ARE CLOSED.

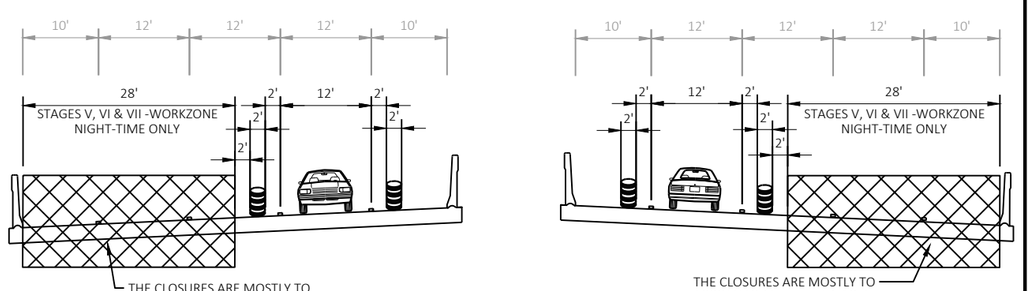
2



TYPICAL SECTION C-C



TYPICAL SECTION D-D



PROJECT NO: 1100-20-70	HWY: IH-41	COUNTY: MILWAUKEE	CONSTRUCTION OVERVIEW STAGES V, VI & VII	SHEET E

2

CURVE IH41 5
PI STA = 236+51.38
Y = 318255.410
X = 566252.216
DELTA = 10°47'58"
D = 3°30'00"
T = 154.73'
L = 308.55'
R = 1637.02'
PC STA = 234+96.65
Y = 318102.729
X = 566277.343
PT STA = 238+05.20
Y = 318410.095
X = 566256.142
BK = N09°20'43.9"W
AH = N01°27'13.7"E

STA. 234+87.54, 715.50' LT
STA. 113+84.39 "C"
Y=317,977.55
X=565,572.82

CONCRETE MON.
WITH BRASS CAP
N=317,973.5101
E=564,088.9500

N

W CAPITOL DR (STH 190)

115"C"

PC

BM 26

PI

℄ C

CURVE ℄ 1

CP 1604013248

BM 1603311240

CP 32

CP 1004

PT

STA. 232+81.88, 84.00' LT
STA. 18+74.37 "CB"
Y=317,877.17
X=566,229.33

120"C"

10"CB"

PC

BM 33

PI

CURVE CB 1

℄ CB

N1° 28' 28"E

124.17'

PT

PC

BM 10

PI

CURVE CB 2

15"CB"

PT

CAPITOL SB EXIT RAMP
N6° 02' 55"E
293.01'

STA. 243+34.85, 45.278' LT
STA. 243+34.85 "AUX"
Y=318,940.72
X=566,224.32

STA. 18+62.24

CP 1003

N1° 16' 26"E
470.73'

20"CB"

245"AUX"

235

PC

CURVE IH41 5

PT

240

245

215

PT

220

225

N9° 20' 44"W
1573.73'

230

IH-41

℄ IH41

PC

PI

CURVE ℄ 2

PT

STA 233+60.21 =
STA 121+13.88 "C"

W CAPITOL DR (STH 190)

125"C"

CONCRETE MON.
WITH BRASS CAP
N=320,732.8880
E=566,416.8200

CONCRETE MON.
WITH BRASS CAP
N=318,076.5600
E=566,386.4200

STA. 233+54.92, 502.23' RT
STA. 126+16.46 "C"
Y=318,044.44
X=566,795.92

CURVE CB 1
PI STA = 11+91.61"CB"
Y = 318251.381
X = 566167.768
DELTA = 10°49'00"
D = 3°19'45"
T = 162.94'
L = 324.91'
R = 1721.02'
PC STA = 10+28.67"CB"
Y = 318090.605
X = 566194.217
PT STA = 13+53.58"CB"
Y = 318414.264
X = 566171.960
BK = N09°20'31.7"W
AH = N01°28'28.5"E

CURVE ℄ 1
PI STA = 117+55.13"C"
Y = 317934.576
X = 565941.054
DELTA = 12°00'00"
D = 3°30'00"
T = 172.06'
L = 342.86'
R = 1637.02'
PC STA = 115+83.07"C"
Y = 317954.522
X = 565770.156
PT STA = 119+25.93"C"
Y = 317950.598
X = 566112.364
BK = S83°20'35.0"E
AH = N84°39'25.0"E

CURVE ℄ 2
PI STA = 122+74.87"C"
Y = 317983.091
X = 566459.790
DELTA = 5°00'00"
D = 3°30'00"
T = 71.47'
L = 142.86'
R = 1637.02'
PC STA = 122+03.39"C"
Y = 317976.436
X = 566388.627
PT STA = 123+46.25"C"
Y = 317995.924
X = 566530.102
BK = N84°39'25.0"E
AH = N79°39'25.0"E

CP 1603281005

BM 9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	ALIGNMENT PLAN	SHEET E

PRE_131

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_027201-AD.DWG
LAYOUT NAME - 027201_ad

PLOT DATE : 10/6/2021 10:55 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

2

MON.
SS CAP
.5101
8.9500

CURVE CB 2
PI STA = 15+23.51"CB"
Y = 318584.141
X = 566176.333
DELTA = 4°34'26"
D = 5°00'00"
T = 45.76'
L = 91.48'
R = 1145.92'
PC STA = 14+77.75"CB"
Y = 318538.392
X = 566175.156
PT STA = 15+69.23"CB"
Y = 318629.649
X = 566181.155
BK = N01°28'28.5"E
AH = N06°02'54.5"E

CURVE IH41 6
PI STA = 251+10.49
Y = 319714.962
X = 566289.259
DELTA = 5°34'14"
D = 1°00'00"
T = 278.74'
L = 557.04'
R = 5729.58'
PC STA = 248+31.75
Y = 319436.310
X = 566282.187
PT STA = 253+88.79
Y = 319992.985
X = 566269.249
BK = N01°27'13.7"E
AH = N04°06'59.9"W

CURVE IH41 7
PI STA = 265+70.18
Y = 321171.329
X = 566184.440
DELTA = 6°54'32"
D = 1°00'00"
T = 345.87'
L = 690.90'
R = 5729.58'
PC STA = 262+24.31
Y = 320826.351
X = 566209.269
PT STA = 269+15.22
Y = 321516.789
X = 566201.290
BK = N04°06'59.9"W
AH = N02°47'32.6"E

CURVE AUX 1
PI STA = 250+33.97"AUX"
Y = 319639.667
X = 566239.922
DELTA = 5°21'58"
D = 0°57'18"
T = 281.18'
L = 561.94'
R = 6000.00'
PC STA = 247+52.79"AUX"
Y = 319358.560
X = 566233.646
PT STA = 253+14.73"AUX"
Y = 319920.129
X = 566219.882
BK = N01°16'44.6"E
AH = N04°05'13.6"W

CURVE AUX 2
PI STA = 265+68.55"AUX"
Y = 321170.757
X = 566130.519
DELTA = 6°50'36"
D = 1°01'23"
T = 334.83'
L = 668.87'
R = 5600.00'
PC STA = 262+33.72"AUX"
Y = 320836.776
X = 566154.383
PT STA = 269+02.59"AUX"
Y = 321505.203
X = 566146.620
BK = N04°05'13.6"W
AH = N02°45'22.9"E

N

CP 31
℄ CB
N1° 28' 28"E 15"CB"
B 1
PT
124.17'
PC
PI
CAPITOL SB EXIT RAMP
N6° 02' 55"E
293.01'
℄ CB
CURVE CB 2
240
PT
BM 10
℄ IH41
CP 1003
STA. 18+62.24
STA. 243+34.85, 45.28' LT
STA. 243+34.85 "AUX"
Y=318,940.72
X=566,224.32
N1° 16' 26"E
470.73'
20"CB"
245"AUX"
245
N1° 27' 14"E
1026.55'
N1° 16' 45"E
418.10'
PC
STA. 23+32.97
PI
25"CB"
250"AUX"
250
CURVE IH41 6
PI
STA. 251+19.11, 79.62' RT
STA. 51+13.02 "CD1"
Y=319,725.62
X=566,361.87
CURVE AUX 1
STA. 250+66.61, 49.84' LT
STA. 26+11.92 "CB"
Y=319,670.38
X=566,233.50
PT
255"AUX"
255
N4° 05' 14"W
918.98'
IH41
N4° 07' 00"W
835.52'
CP 1002
STA. 54+10.70
STA. 53+83.81
STA. 56+24.68
55"CD1"
STA. 57+73.37
N4° 20' 14"W
148.69'
N3° 52' 28"W
213.98'
N4° 03' 22"W
133.92'
CP 1010
STA. 52+46.95
N0° 59' 27"W
26.89'
N4° 12' 37"W
136.86'
N4° 10' 32"W
104.72'
STA. 58+78.09
℄ CD1
R AUX
260"AUX"
260
N4° 06' 00"W
55.06'
STA. 259+46.35, 75.15' RT
STA. 59+44.46 "CD1"
Y=320,554.50
X=566,304.18
STA. 58+89.40
N2° 23' 28"W
11.31'
CP 1001
PC
265"AUX"
PI
CURVE AUX 2
265
PI
CURVE IH41 6
PC
265"NB1"
CURVE NB1 1
℄ NB1
STA. 265+47.92, 76.41' RT
STA. 265+43.82 "NB1"
Y=321,150.82
X=566,271.57
STA. 262+44.37, 76.13' RT
STA. 262+44.37 "NB1"
Y=320,851.56
X=566,283.82

T 7 N
R 21 E
6
CONCRETE MON.
WITH BRASS CAP
N=320,732.8880
E=566,416.8200

T 7 N
R 21 E
6
7
CONCRETE MON.
WITH BRASS CAP
N=320,732.8882
E=560,416.8202

CURVE NB1 1
PI STA = 263+94.13"NB1"
Y = 321000.974
X = 566273.593
DELTA = 3°08'18"
D = 1°02'53"
T = 149.76'
L = 299.45'
R = 5467.08'
PC STA = 262+44.37"NB1"
Y = 320851.559
X = 566283.814
PT STA = 265+43.82"NB1"
Y = 321150.725
X = 566271.568
BK = N03°54'46.9"W
AH = N00°46'29.0"W

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	ALIGNMENT PLAN	SHEET E

PRE_132

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_027201-AD.DWG
LAYOUT NAME - 027203_ad
PLOT DATE : 10/6/2021 10:55 AM
PLOT BY : VINDEDAHL, EMMA M
PLOT NAME :
PLOT SCALE : 1 IN:200 FT

2

CURVE HK 1
PI STA = 17+06.62"HK"
Y = 323058.520
X = 566194.412
DELTA = 10°44'13"
D = 1°18'08"
T = 413.48'
L = 824.54'
R = 4400.00'
PC STA = 12+93.14"HK"
Y = 322645.212
X = 566182.518
PT STA = 21+17.68"HK"
Y = 323466.809
X = 566129.097
BK = N01°38'54.0"E
AH = N09°05'19.0"W

N

STA. 290+88.33, 498.59' LT
STA. 25+04.89 "HEB"
Y=322,711.61
X=565,809.16

STA. 291+14.29, 500.01' LT
STA. 25+04.89 "HWB"
Y=322,398.22
X=566,297.53

N89° 39' 35"E
1166.02'

N89° 39' 35"E
1166.01'

STA. 290+68.01, 211.00' LT
STA. 23+30.87 "HK"
Y=323,677.31
X=566,095.42

STA. 289+28.82, 205.15' LT
STA. 26+72.64 "NW1"
Y=323,538.00
X=566,094.48

N9° 05' 19"W
213.18'

N8° 35' 20"W
327.50'

PT

25"NW1"

STA. 295+21.74, 64.70' LT
STA. 295+22.20 "SB1"
Y=324,123.80
X=566,264.25

CP 502

℄ SB1

STA 291+15.62 =
STA 30+04.22 "HEB"
N2° 49' 13"E
502.63'

295"SB1"

STA. 12+55.00 "NW1"

N7° 46' 59"E
22.35'

STA. 12+77.35 "NW1"

N0° 44' 07"E
107.79'

STA. 13+85.14 "NW1"

STA. 272+64.98, 125.08' LT
STA. 10+00.00 "NW1"
Y=321,872.23
X=566,093.40

STA. 268+26.53, 53.72' LT
STA. 0+77.15 "HK"
Y=321,429.96
X=566,143.97

STA. 4+27.72

N0° 43' 22"E
350.57'

PT

270"AUX"

5"HK"

N8° 43' 54"E
255.00'

15"NW1"

10"HK"

STA. 278+32.25, 58.24' LT
STA. 278+33.89 "AUX"
Y=322,435.57
X=566,187.79

N0° 24' 36"E
959.99'

CP 1000

20"NW1"

STA. 23+45.13 "NW1"

15"HK"

CURVE HK 1

20"HK"
HAMPTON SB ENTRANCE RAMP

STA. 290+19.91, 64.36' LT
STA. 290+19.57 "SB1"
Y=323,622.12
X=566,239.54

℄ AUX

270

N2° 45' 23"E
741.64'

N2° 45' 51"E
477.54'

275"AUX"

N1° 38' 54"E
390.89'

℄ HK

PC

PI

275

280

285

290

295

IH 41

N2° 47' 33"E
2442.95'

30"HEB"

30"HWB"

PC

CP 1011

℄ IH41

PT

STA. 276+44.23

STA. 9+02.24

N1° 39' 49"E
189.87'

℄ HM3

280"HM3"

PC

PT

N2° 44' 20"E
114.18'

N2° 52' 19"E
218.77'

CURVE HM3 1

STA. 259+46.35, 75.15' RT
STA. 275+00.00 "HM1"
Y=320,554.50
X=566,304.18

STA. 278+32.95

N2° 20' 07"E
69.68'

STA. 279+02.63

STA. 276+14.18

N2° 53' 00"E
143.79'

STA. 280+71.11, 83.62' RT
STA. 281+80.21 "HM1"
Y=322,667.24
X=566,341.13

N7° 28' 46"E
53.58'

N2° 48' 17"E
490.81'

290"NB2"

℄ NB2

CP 103

℄ HN

N5° 52' 16"W
688.18'
HAMPTON NB
ENTRANCE RAMP

STA. 292+39.21, 64.43' RT
STA. 292+39.31 "NB2"
Y=323,834.88
X=566,378.86

5"HN"

STA. 287+48.74, 64.32' RT
STA. 287+48.50 "NB2"
Y=323,345.00
X=566,354.86

STA. 291+90.91, 241.12' RT
STA. 1+76.95 "HN"
Y=323,778.03
X=566,552.99

EB HAMPTON AVE
(CTH EE)

35"HEB"

WB HAMPTON AVE
(CTH EE)

35"HWB"

℄ HEB

℄ HWB

STA. 291+52.05, 665.69' RT
STA. 36+70.90 "HEB"
Y=323,718.54
X=566,975.16

STA. 291+78.01, 664.27' RT
STA. 36+70.91 "HWB"
Y=323,744.54
X=566,975.00

CURVE HM3 1
PI STA = 280+86.54"HM3"
Y = 322575.240
X = 566329.047
DELTA = 4°35'46"
D = 5°43'46"
T = 40.13'
L = 80.22'
R = 1000.00'
PC STA = 280+46.41"HM3"
Y = 322535.161
X = 566327.028
PT STA = 281+26.63"HM3"
Y = 322615.029
X = 566334.270
BK = N02°53'00.3"E
AH = N07°28'46.1"E

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	ALIGNMENT PLAN	SHEET PRE_133 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_027201-AD.DWG
LAYOUT NAME - 027204_ad

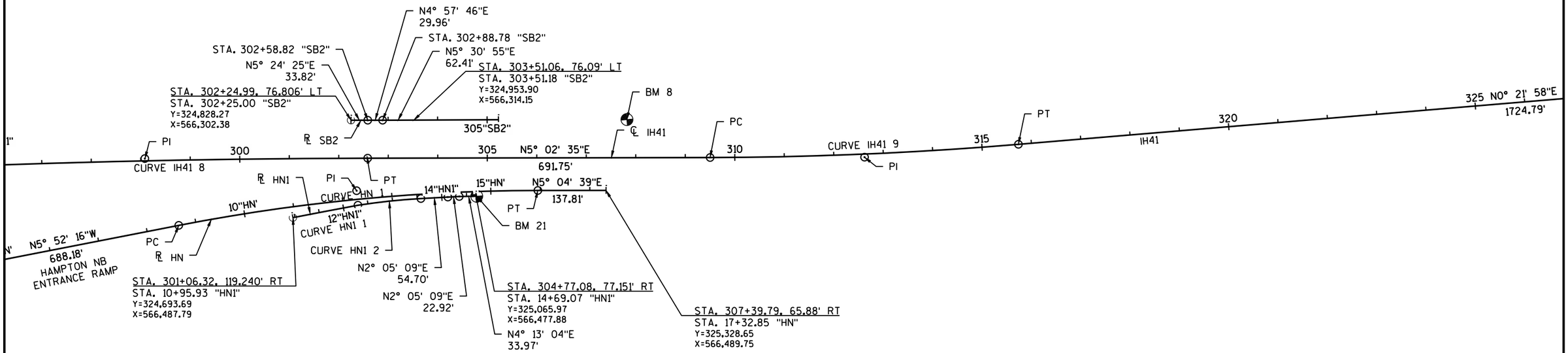
PLOT DATE : 10/6/2021 10:55 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

CURVE IH41 8
PI STA = 298+08.34
Y = 324406.475
X = 566342.235
DELTA = 2°15'02"
D = 0°15'00"
T = 450.17'
L = 900.23'
R = 22918.31'
PC STA = 293+58.16
Y = 323956.835
X = 566320.304
PT STA = 302+58.40
Y = 324854.907
X = 566381.807
BK = N02°47'32.6"E
AH = N05°02'34.7"E

CURVE IH41 9
PI STA = 312+62.10
Y = 325854.732
X = 566470.036
DELTA = 4°40'37"
D = 0°45'00"
T = 311.96'
L = 623.57'
R = 7639.44'
PC STA = 309+50.14
Y = 325543.979
X = 566442.613
PT STA = 315+73.72
Y = 326166.686
X = 566472.029
BK = N05°02'34.7"E
AH = N00°21'58.2"E

CURVE HN 1
PI STA = 12+31.20"HN'
Y = 324826.749
X = 566445.152
DELTA = 10°56'55"
D = 1°30'00"
T = 366.07'
L = 729.91'
R = 3819.72'
PC STA = 8+65.13"HN'
Y = 324462.601
X = 566482.598
PT STA = 15+95.04"HN'
Y = 325191.381
X = 566477.550
BK = N05°52'16.1"W
AH = N05°04'38.8"E



CURVE HN1 1
PI STA = 11+62.78"HN1"
Y = 324760.162
X = 566480.756
DELTA = 0°47'26"
D = 0°35'29"
T = 66.85'
L = 133.69'
R = 9690.42'
PC STA = 10+95.93"HN1"
Y = 324693.687
X = 566487.787
PT STA = 12+29.62"HN1"
Y = 324826.729
X = 566474.643
BK = N06°02'14.6"W
AH = N05°14'48.9"W

CURVE HN1 2
PI STA = 12+93.60"HN1"
Y = 324890.578
X = 566470.599
DELTA = 5°22'46"
D = 4°12'26"
T = 63.98'
L = 127.86'
R = 1361.83'
PC STA = 12+29.62"HN1"
Y = 324826.729
X = 566474.643
PT STA = 13+57.48"HN1"
Y = 324954.526
X = 566472.559
BK = N03°37'26.5"W
AH = N01°45'19.6"E

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	ALIGNMENT PLAN	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_027201-AD.DWG
LAYOUT NAME - 027205_ad
PLOT DATE : 10/6/2021 10:55 AM
PLOT BY : VINDEDAHL, EMMA M
PLOT NAME :
PLOT SCALE : 1 IN:200 FT

2

2

CURVE SP 1
PI STA = 132+30.74"SP"
Y = 328227.110
X = 567528.290
DELTA = 26°05'39"
D = 1°57'26"
T = 678.39'
L = 1333.25'
R = 2927.46'
PC STA = 125+52.35"SP"
Y = 328215.727
X = 566849.993
PT STA = 138+85.60"SP"
Y = 328535.680
X = 568132.443
BK = N89°02'18.8"E
AH = N62°56'39.8"E

STA. 335+73.32, 913.07' LT
STA. 112+77.18 "SP"
Y=328,193.93
X=565,575.45

SILVER SPRING DR (CTH E)

115'SP"

CP 300

N89° 02' 19"E
2552.35'

CP 504

120'SP"

STA 336+16.82 =
STA 121+91.82 "SP"
BM 7

PC
PI
PT
℄ IH41
IH-41
CURVE IH41 10

325 N0° 21' 58"E
1724.79'
330
335
340
345
N3° 28' 26"E
1887.74'
350

BM 6
BM 19
BM 20

CP 505

STA. 336+25.91, 166.52' RT
STA. 36+22.90 "SPS"
Y=328,212.94
X=566,656.24

CP 301

125'SP"

PC

℄ SP
℄ SP

130'SP"

CP 302

CURVE IH41 10
PI STA = 336+09.35
Y = 328202.273
X = 566485.039
DELTA = 3°06'28"
D = 0°30'00"
T = 310.84'
L = 621.53'
R = 11459.16'
PC STA = 332+98.51
Y = 327891.438
X = 566483.052
PT STA = 339+20.04
Y = 328512.543
X = 566503.873
BK = N00°21'58.2"E
AH = N03°28'25.7"E

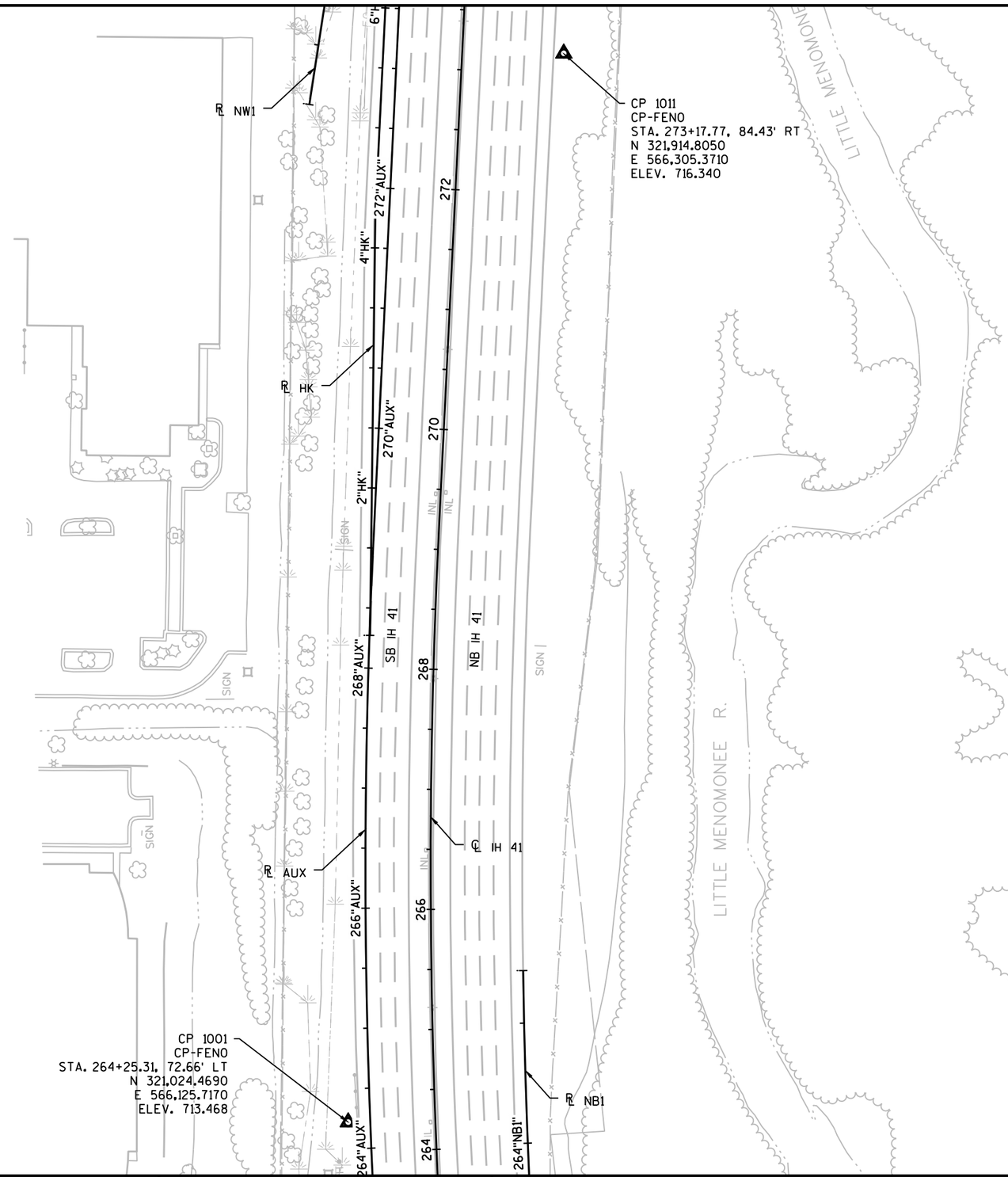
N

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	ALIGNMENT PLAN	SHEET E

PRE_135

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_027201-AD.DWG
LAYOUT NAME - 027207_ad
PLOT DATE : 10/6/2021 10:55 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:200 FT

2



PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	ALIGNMENT LAYOUT - SURVEY CONTROL	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_027202-AD - SURVEY CONTROL POINTS.DWG
LAYOUT NAME - 027203_ad-control
PLOT DATE : 10/6/2021 10:56 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

N

SB SILVER SPRING EXIT RAMP

NB SILVER SPRING ENTRANCE RAMP

SB IH 41

NB IH 41

340

338

336

334

332

SB LOVERS LANE

NB LOVERS LANE

N 118th ST.

WB SILVER SPRING DR

EB SILVER SPRING DR

WB SILVER SPRING DR (CTH E)

EB SILVER SPRING DR (CTH E)

116"SP"

118"SP"

120"SP"

122"SP"

124"SP"

126"SP"

128"SP"

130"SP"

℄ SP

℄ IH 41

BM 7
BM DISC
STA. 121"SP"+32.11, 103.23' LT
N 328,311.8909
E 566,428.0790
ELEV. 763.967

CP 504
CP REBAR
STA. 119"SP"+42.91, 72.43' LT
N 328,278.0159
E 566,239.3430
ELEV. 739.970

CP 300
MON SET
STA. 116"SP"+62.98, 9.481' RT
N 328,191.3820
E 565,960.8220
ELEV. 737.730

CP 301
MON SET
STA. 124"SP"+03.91, 4.42' RT
N 328,208.8409
E 566,701.6370
ELEV. 741.520

CP 302
MON SET
STA. 130"SP"+56.45, 7.34' RT
N 328,260.1800
E 567,352.1250
ELEV. 738.410

CP 505
CP REBAR
STA. 123"SP"+17.21, 77.71' RT
N 328,134.1679
E 566,616.0070
ELEV. 741.120

BM 20
BM CH X
STA. 122"SP"+51.75, 104.49' RT
N 328,106.2129
E 566,551.1860
ELEV. 763.591

CANOPY

FILLER CAPS

G.P.

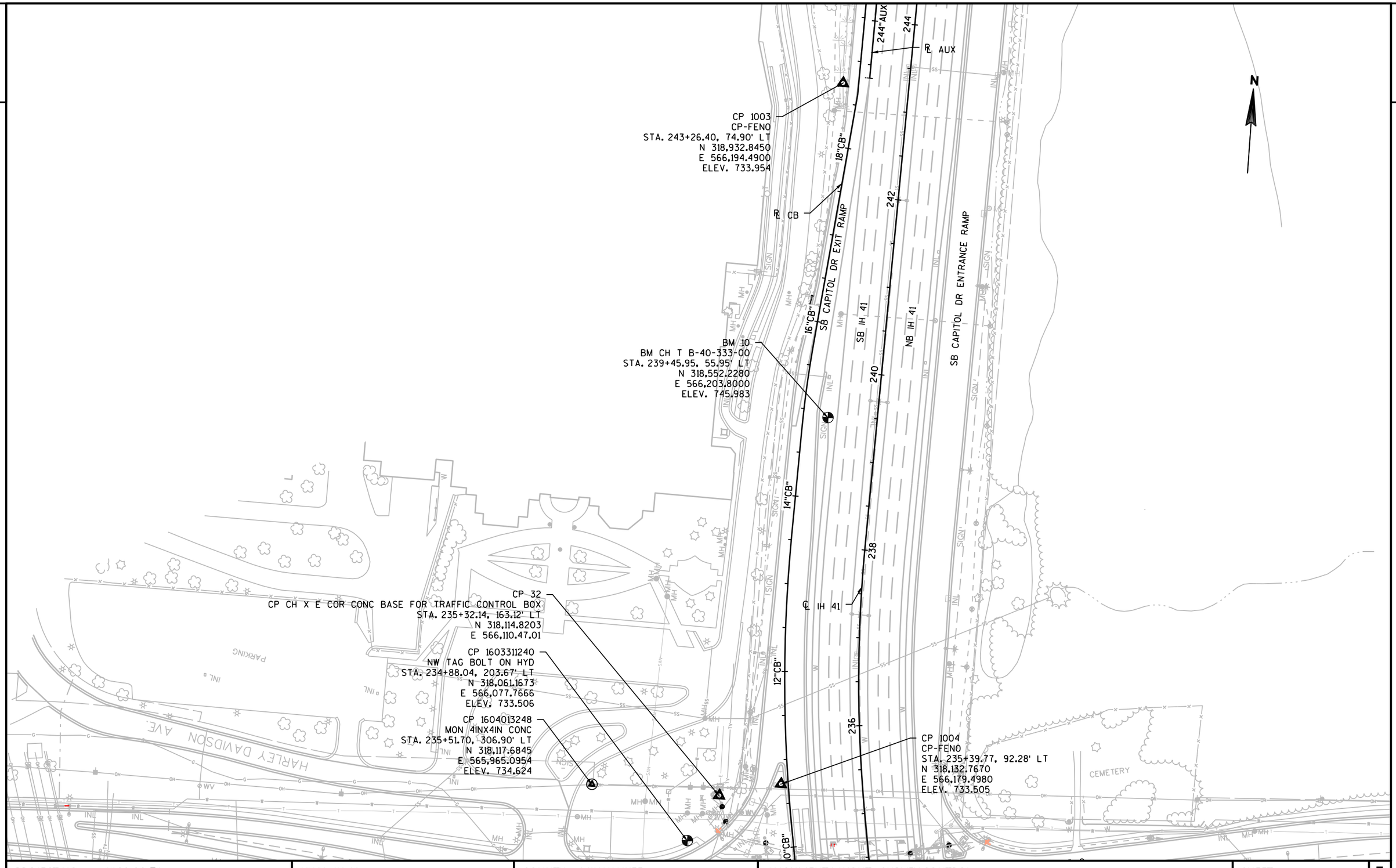
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	ALIGNMENT LAYOUT - SURVEY CONTROL	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_027202-AD - SURVEY CONTROL POINTS.DWG
LAYOUT NAME - 027207_ad-control

PLOT DATE : 10/6/2021 10:56 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	ALIGNMENT LAYOUT - SURVEY CONTROL	SHEET E

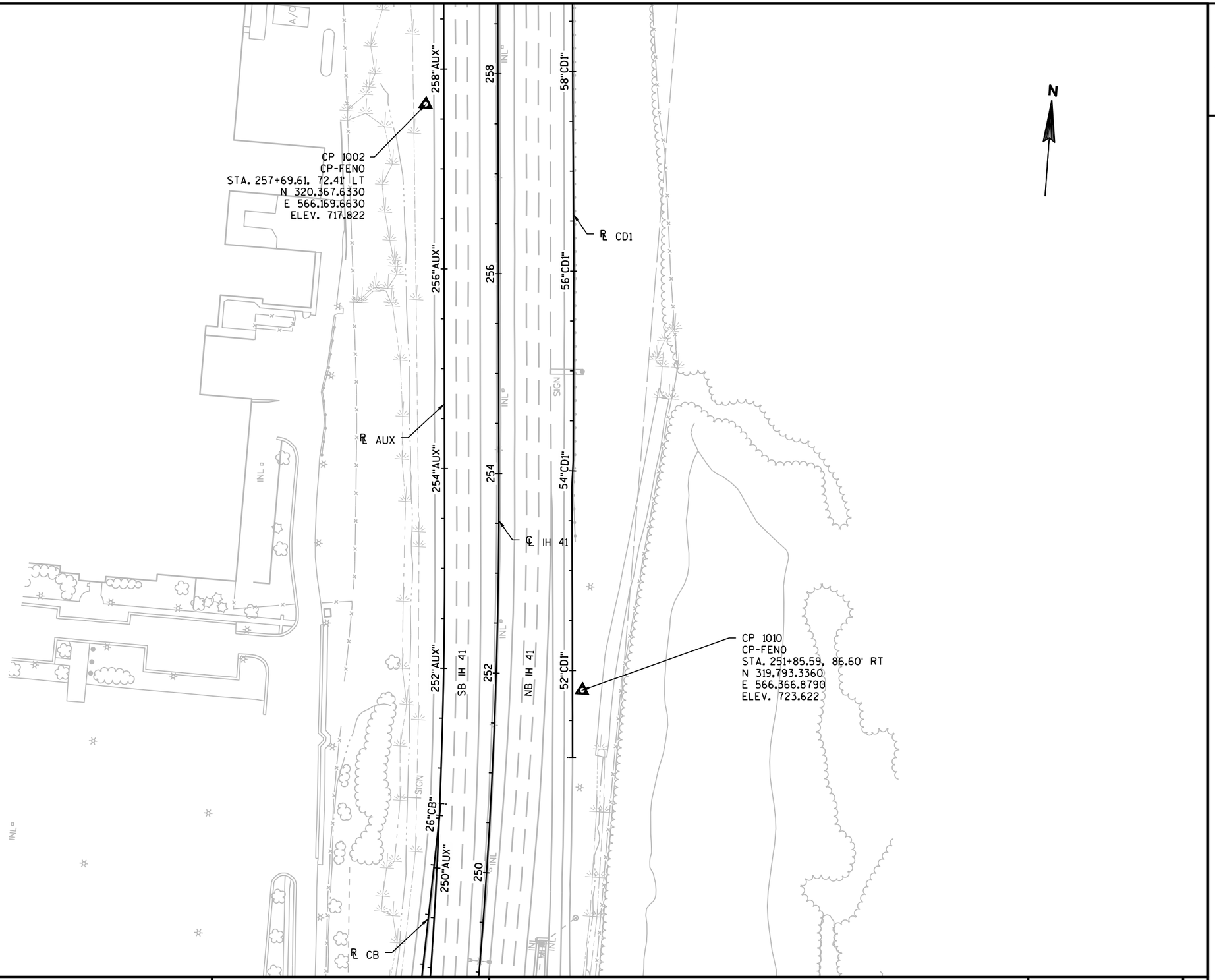
PRE_138

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_027202-AD - SURVEY CONTROL POINTS.DWG
LAYOUT NAME - 027201_ad-control

PLOT DATE : 10/6/2021 10:57 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	ALIGNMENT LAYOUT - SURVEY CONTROL	SHEET E

PRE_139

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_027202-AD - SURVEY CONTROL POINTS.DWG
LAYOUT NAME - 027202_ad-control

PLOT DATE : 10/6/2021 10:58 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

SB HAMPTON EXIT RAMP

296

℄ IH 41

294

294"SB1"

℞ SB1

℞ HN

"NH.6"

NB HAMPTON ENTRANCE RAMP

"NH.4"

CP 103
CP REBAR CAPPED
STA. 291+97.31, 118.04' RT
N 323,790.4030
E 566,430.3660
ELEV. 727.077

292"SB1"

292

292"NB2"

"2"HN"

WB HAMPTON AVE (CTH EE)

℞ HWB

26"HWB" 28"HWB" 30"HWB" 32"HWB" 34"HWB" 36"HWB"

26"HEB" 28"HEB" 30"HEB" 32"HEB" 34"HEB" 36"HEB"

EB HAMPTON AVE (CTH EE)

℞ HEB

W HAMPTON AVE.

W DERBY AVE.

N 118th ST

CP 502
CP REBAR CAPPED
STA. 290+58.91, 129.34' LT
N 323,664.3370
E 566,176.5190
ELEV. 729.683

290

290"NB2"

℞ NB2

"22"HK"

"26"HK"

℞ HK

SB HAMPTON ENTRANCE RAMP

SB IH 41

NB IH 41

288

288"NB2"

NB HAMPTON EXIT RAMP

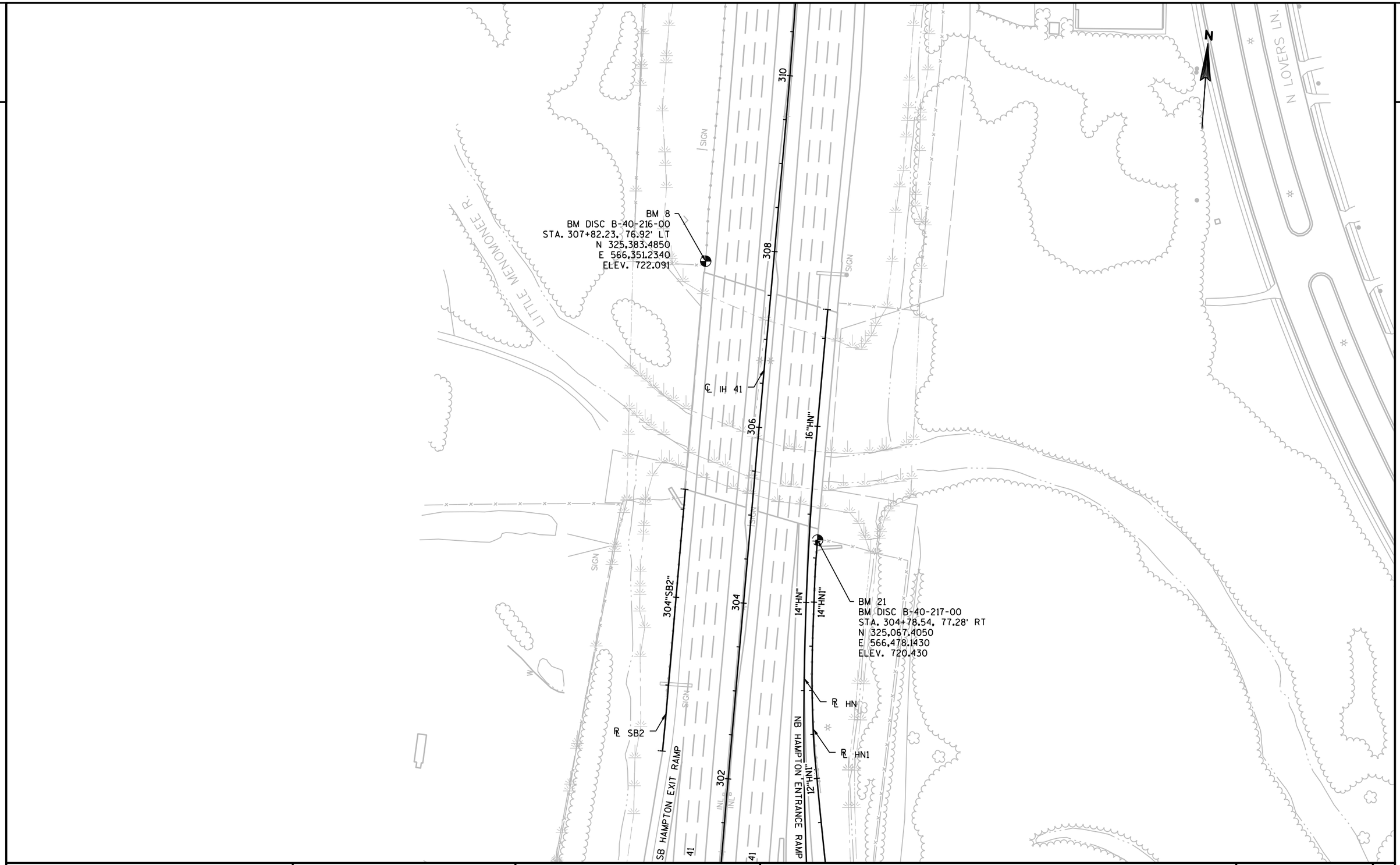
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	ALIGNMENT LAYOUT - SURVEY CONTROL	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_027202-AD - SURVEY CONTROL POINTS.DWG
LAYOUT NAME - 027205_ad-control

PLOT DATE : 10/6/2021 10:58 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:100 FT

PRE_140

WISDOT/CADDS SHEET 42



PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	ALIGNMENT LAYOUT - SURVEY CONTROL	SHEET E

PRE_141

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_027202-AD - SURVEY CONTROL POINTS.DWG
LAYOUT NAME - 027206_ad-control

PLOT DATE : 10/6/2021 10:59 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

N

354

352

350

348

346

IH 41

BM 6
BM DISC B-40-365-00
STA. 350+23.80, 77.263' LT
N 329,618.9590
E 566,493.6320
ELEV. 775.705

BM 19
BM DISC B-40-366-67
STA. 348+94.74, 80.99' RT
N 329,480.5500
E 566,643.7810
ELEV. 773.339

N LOVERS LN

UNION PACIFIC

SB SILVER SPRING EXIT RAMP

NB SILVER SPRING ENTRANCE RAMP

SIGN

U/C

INL

W

MH

HMDD

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	ALIGNMENT LAYOUT - SURVEY CONTROL	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_027202-AD - SURVEY CONTROL POINTS.DWG
LAYOUT NAME - 027208_ad-control

PLOT DATE : 10/6/2021 11:00 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

W HAMPTON AVE.

EB HAMPTON AVE (CTH EE)

W HAMPTON AVE.

N 118th ST.

W DERBY AVE

N 117th ST.

CP 502
CP REBAR CAPPED
STA. 290+58.91, 129.34' LT
N 323,664.3370
E 566,176.5190
ELEV. 729.683

℄ SB1

℄ NB2

℄ HK

℄ NW1

℄ IH 41

SB HAMPTON ENTRANCE RAMP

NB HAMPTON EXIT RAMP

SB IH 41

NB IH 41

290

288

286

284

282

290"NB2"

288"NB2"

26"NW1"

22"HK"

20"HK"

24"NW1"

18"HK"

22"NW1"

16"HK"

20"NW1"

4"HK"

CP 1000
CP-FENO
STA. 281+92.30, 97.13' LT
N 322,797.1440
E 566,166.5100
ELEV. 714.816

N

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	ALIGNMENT LAYOUT - SURVEY CONTROL	SHEET E

PRE_143

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_027202-AD - SURVEY CONTROL POINTS.DWG
LAYOUT NAME - 027204_ad-control

PLOT DATE : 10/6/2021 11:00 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

CAPITOL FRONTAGE RD 1

EB CAPITOL DR

WB CAPITOL DR

CAPITOL FRONTAGE RD 2

TIME WARNER CABLE

EXISTING R/W

WISDOT ELECTRIC

BEGIN PROJECT 1100-20-71
STA 243+34.77
MATCH EXISTING
SAW CUT REQ'D

INSTALL NEW BEAMGUARD, CONCRETE BARRIERS, AND CONSTRUCT AN AUXILIARY LANE (SEE CROSS SECTIONS "IH 41 SB AUXILIARY LANE: HAMPTON AVE TO CAPITOL DR, R/L AUX"

INSTALL NEW SIGN S-40-3089

SLOPE INTERCEPT

HINGE POINT

12"CB"

10"CB"

14"CB"

16"CB"

18"CB"

20"CB"

22"CB"

244"AUX"

246"AUX"

CAPITOL SB EXIT RAMP

℄ CB

SB IH 41

NB IH 41

℄ IH 41

℄ AUX

232

234

236

238

240

242

244

246

CAPITOL NB ENTRANCE RAMP

WISDOT ELECTRIC

REPLACE EXISTING CONCRETE BARRIER

REPLACE EXISTING CONCRETE BARRIER

END PROJECT 1100-20-70
STA 243+34.77
MATCH EXISTING
SAW CUT REQ'D

EXISTING R/W

N

LEGEND

BASE PATCHING SHES	MILL AND OVERLAY
CONCRETE PAVEMENT REPLACEMENT SHES	PAVEMENT RECONSTRUCTION
CONCRETE PAVEMENT SHES	HIGH FRICTION SURFACE TREATMENT
CONCRETE PAVEMENT APPROACH SLAB HES	CRACK SEAL
PPC OVERLAY	CROSS STITCH LONGITUDINAL CRACK
CONCRETE DECK OVERLAY	EXPANSION JOINT REPLACEMENT
DIAMOND GRINDING	CONCRETE BARRIER REPLACEMENT

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PLAN SHEETS	SHEET E

PRE_144

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_050201-PN.DWG
LAYOUT NAME - 050201-pn

PLOT DATE : 10/19/2021 11:33 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

N

BEGIN PROJECT 1100-20-71
STA 243+34.77
MATCH EXISTING
SAW CUT REQ'D

INSTALL NEW SIGN S-40-3089

EXISTING R/W

WISDOT ELECTRIC

INSTALL NEW BEAMGUARD, CONCRETE BARRIERS,
AND CONSTRUCT AN AUXILIARY LANE
(SEE CROSS SECTIONS "IH 41 SB AUXILIARY LANE:
HAMPTON AVE TO CAPITOL DR, R/L AUX"

WETLAND BOUNDARY

SLOPE INTERCEPT

℄ CB

HINGE POINT LINE

FLOW LINE

"CB"
244"AUX"
20"CB"
22"CB"
246"AUX"
248"AUX"
24"CB"
250"AUX"
26"CB"
252"AUX"
254"AUX"
256"AUX"
258"AUX"

℄ AUX

244
246
248
250
252
254
256
258

REPLACE EXISTING
CONCRETE BARRIER

REPLACE EXISTING
CONCRETE BARRIER

REPLACE EXISTING
CONCRETE BARRIER

℄ IH 41

52"CD1"
54"CD1"
56"CD1"
58"CD1"

℄ CD1

HINGE POINT LINE

SLOPE INTERCEPT

END PROJECT 1100-20-70
STA 243+34.77
MATCH EXISTING
SAW CUT REQ'D

WETLAND BOUNDARY

WISDOT ELECTRIC

BEAMGUARD REPLACEMENT
(SEE CROSS SECTIONS "NB BG REPLACEMENT AT
CAPITOL DR ENTRANCE RAMP, R/L CD1"

EXISTING R/W

LEGEND

BASE PATCHING SHES	MILL AND OVERLAY
CONCRETE PAVEMENT REPLACEMENT SHES	PAVEMENT RECONSTRUCTION
CONCRETE PAVEMENT SHES	HIGH FRICTION SURFACE TREATMENT
CONCRETE PAVEMENT APPROACH SLAB HES	CRACK SEAL
PPC OVERLAY	CROSS STITCH LONGITUDINAL CRACK
CONCRETE DECK OVERLAY	EXPANSION JOINT REPLACEMENT
DIAMOND GRINDING	CONCRETE BARRIER REPLACEMENT

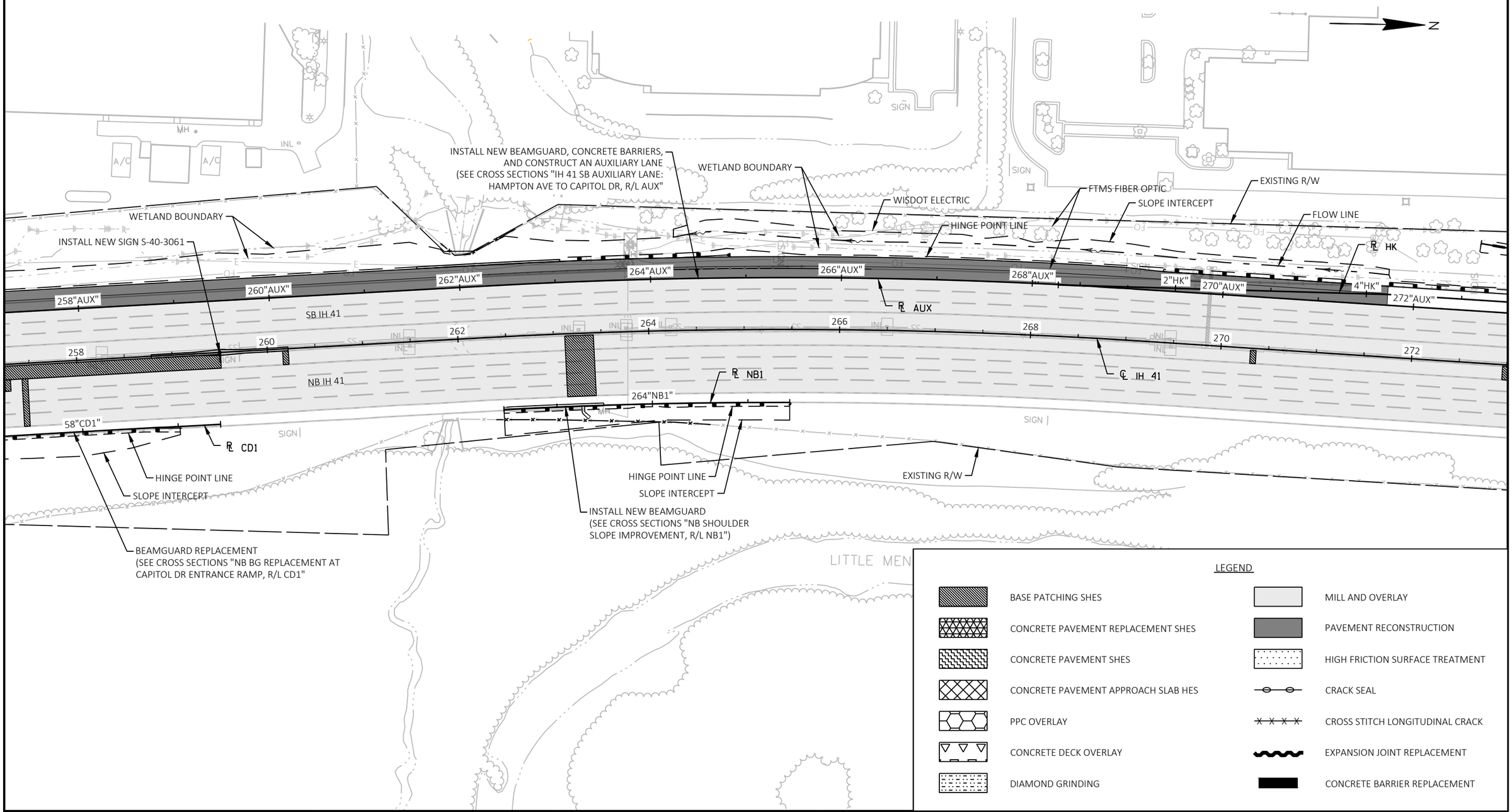
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PLAN SHEETS	SHEET E

PRE_145

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_050201-PN.DWG
LAYOUT NAME - 050202-pn

PLOT DATE : 10/19/2021 11:34 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



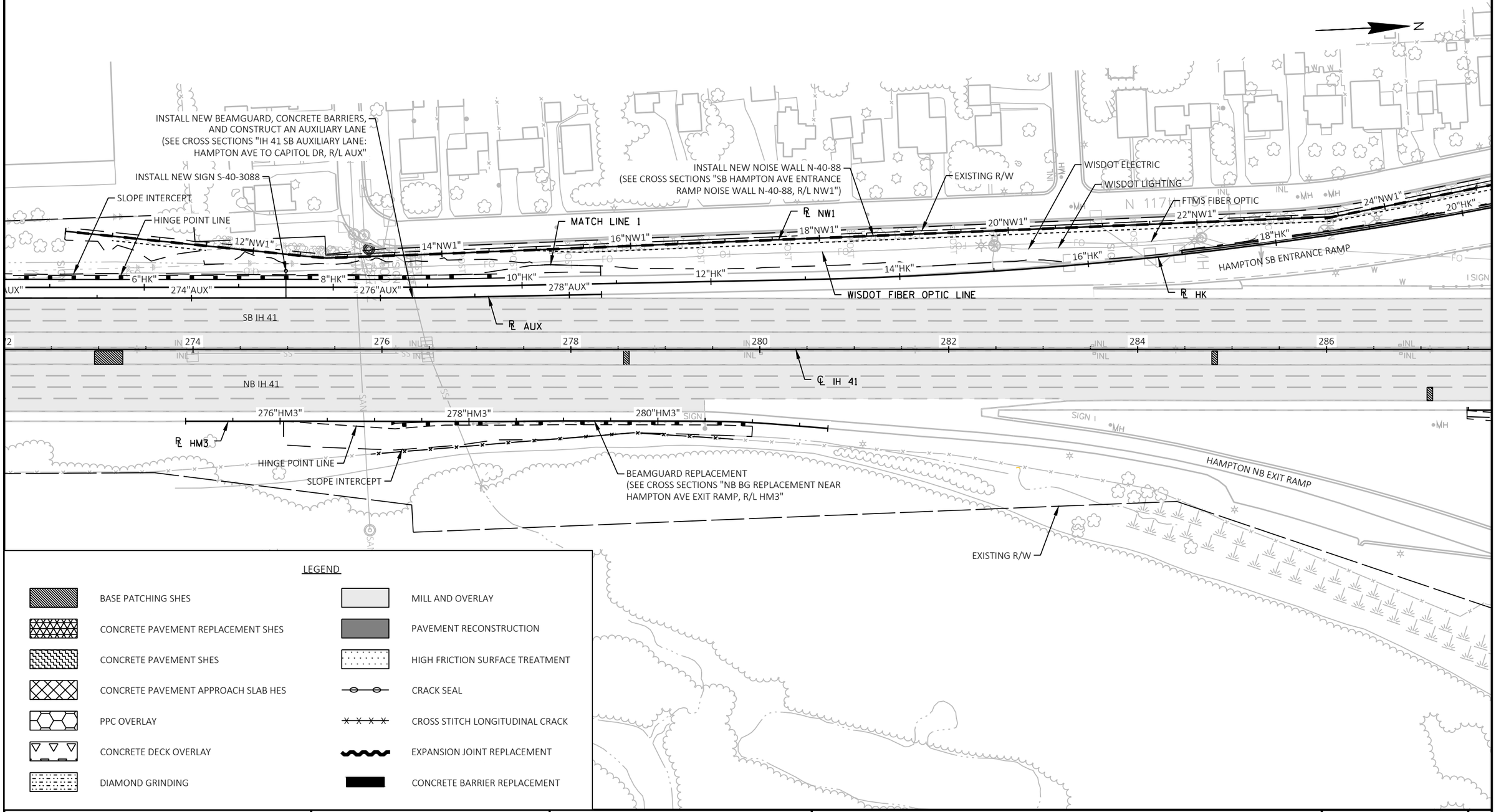
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PLAN SHEETS	SHEET E

PRE_146

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_050201-PN.DWG
LAYOUT NAME - 050203-pn

PLOT DATE : 10/19/2021 11:34 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



LEGEND

BASE PATCHING SHES	MILL AND OVERLAY
CONCRETE PAVEMENT REPLACEMENT SHES	PAVEMENT RECONSTRUCTION
CONCRETE PAVEMENT SHES	HIGH FRICTION SURFACE TREATMENT
CONCRETE PAVEMENT APPROACH SLAB HES	CRACK SEAL
PPC OVERLAY	CROSS STITCH LONGITUDINAL CRACK
CONCRETE DECK OVERLAY	EXPANSION JOINT REPLACEMENT
DIAMOND GRINDING	CONCRETE BARRIER REPLACEMENT

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PLAN SHEETS	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_050201-PN.DWG
LAYOUT NAME - 050204-pn

PLOT DATE : 10/19/2021 11:35 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

HINGE POINT LINE
INSTALL NEW NOISE WALL N-40-88
(SEE CROSS SECTIONS "SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88, R/L NW1")
WISDOT LIGHTING
℄ NW1
26"NW1"
22"HK"
20"HK"
HAMPTON SB ENTRANCE RAMP
INSTALL NEW BEAMGUARD, CONCRETE BARRIER
(SEE CROSS SECTIONS "SB SHOULDER SLOPE IMPROVEMENT, R/L SB1")
SLOPE INTERCEPT
℄ HK
WISDOT FIBER OPTIC
SB IH 41
FLOW LINE
SLOPE INTERCEPT
HINGE POINT LINE
291"SB1"
292"SB1"
293"SB1"
294"SB1"
295"SB1"
℄ SB1
WISDOT LIGHTING
EXISTING R/W
WETLAND BOUNDARY
HAMPTON SB EXIT RAMP
REPLACE EXISTING CONCRETE BARRIER
288
290
292
294
296
298
300
302
℄ IH 41
WEENERGIES ELECTRIC
WISCONSIN GAS COMPANY
NB IH 41
℄ NB2
288"NB2"
289"NB2"
290"NB2"
291"NB2"
292"NB2"
WETLAND BOUNDARY
HINGE POINT LINE
FLOW LINE
SLOPE INTERCEPT
INSTALL NEW BEAMGUARD, CONCRETE BARRIER
(SEE CROSS SECTIONS "NB SHOULDER SLOPE IMPROVEMENT, R/L NB2")
FTMS FIBER OPTIC
WISDOT ELECTRIC
2"HN"
4"HN"
6"HN"
8"HN"
10"HN"
12"HN"
12"HN1"
℄ HN
℄ HN1
HAMPTON NB ENTRANCE RAMP
HINGE POINT LINE
SLOPE INTERCEPT
BEAMGUARD REPLACEMENT
(SEE CROSS SECTIONS "NB BG REPLACEMENT AT HAMPTON AVE ENTRANCE RAMP, R/L HN1")
HAMPTON NB EXIT RAMP
WISDOT LIGHTING
BEGIN CONSTRUCTION RAMP "HN"
STA 3+22.98 "HN"
WETLAND BOUNDARY
EXISTING R/W
EB HAMPTON AVE
WB HAMPTON AVE
W DERBY AVE.
FILLER CAPS
CANOPY

LEGEND

BASE PATCHING SHES	MILL AND OVERLAY
CONCRETE PAVEMENT REPLACEMENT SHES	PAVEMENT RECONSTRUCTION
CONCRETE PAVEMENT SHES	HIGH FRICTION SURFACE TREATMENT
CONCRETE PAVEMENT APPROACH SLAB HES	CRACK SEAL
PPC OVERLAY	CROSS STITCH LONGITUDINAL CRACK
CONCRETE DECK OVERLAY	EXPANSION JOINT REPLACEMENT
DIAMOND GRINDING	CONCRETE BARRIER REPLACEMENT

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PLAN SHEETS	SHEET E

PRE_148

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_050201-PN.DWG
LAYOUT NAME - 050205-pn
PLOT DATE : 10/19/2021 11:36 AM
PLOT BY : VINDEDAHL, EMMA M
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

2

2

N

LITTLE MENOMONEE R.

EXISTING R/W

BEAMGAURD REPLACEMENT
(SEE CROSS SECTIONS "SB BEAMGUARD
REPLACEMENT NEAR STA 302+49, R/L SB2")

HINGE POINT LINE

SLOPE INTERCEPT

℄ SB2

B-40-217

WETLAND BOUNDARY

BEAMGUARD REPLACEMENT
(SEE CROSS SECTIONS "SB BG REPLACEMENT NEAR
STA 307+84 RAMP, C/L IH 41"

EXISTING R/W

HINGE POINT LINE

SLOPE INTERCEPT

SB IH 41

REPLACE EXISTING
CONCRETE BARRIER

302 304 306 308 310 312 314 316

NB IH 41

℄ IH 41

INSTALL NEW SIGN S-40-3062

℄ HN

12"HN"

12"HN1"

14"HN"

14"HN1"

16"HN"

B-40-216

WETLAND BOUNDARY

HINGE POINT LINE

FLOW LINE

MICROWAVE DETECTOR
APPROXIMATE LOCATION

SHOULDER SLOPE IMPROVEMENT
(SEE CROSS SECTIONS "NB SHOULDER SLOPE
IMPROVEMENT, C/L IH 41")

EXISTING R/W

℄ HN1

END CONSTRUCTION RAMP "HN"
STA 14+71.35 "HN"

HINGE POINT LINE

SLOPE INTERCEPT

WETLAND BOUNDARY

BEAMGUARD REPLACEMENT
(SEE CROSS SECTIONS "NB BG REPLACEMENT AT
HAMPTON AVE ENTRANCE RAMP, R/L HN1")

SLOPE INTERCEPT

LEGEND

BASE PATCHING SHES	MILL AND OVERLAY
CONCRETE PAVEMENT REPLACEMENT SHES	PAVEMENT RECONSTRUCTION
CONCRETE PAVEMENT SHES	HIGH FRICTION SURFACE TREATMENT
CONCRETE PAVEMENT APPROACH SLAB HES	CRACK SEAL
PPC OVERLAY	CROSS STITCH LONGITUDINAL CRACK
CONCRETE DECK OVERLAY	EXPANSION JOINT REPLACEMENT
DIAMOND GRINDING	CONCRETE BARRIER REPLACEMENT

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PLAN SHEETS	SHEET E

PRE_149

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_050201-PN.DWG
LAYOUT NAME - 050206-pn

PLOT DATE : 10/19/2021 11:37 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

BEAMGUARD REPLACEMENT
(SEE CROSS SECTIONS "SB BG REPLACEMENT NEAR STA 307+84 RAMP, C/L IH 41"

HINGE POINT LINE

SLOPE INTERCEPT

EXISTING R/W

WETLAND BOUNDARY

BEAMGUARD REPLACEMENT
(SEE CROSS SECTIONS "SB BEAMGUARD REPLACEMENT NEAR 324+27, C/L IH 41")

SILVER SPRING SB ENTRANCE RAMP

SLOPE INTERCEPT

HINGE POINT LINE

SB IH 41

318 320 322 324 326 328 330

NB IH 41

℄ IH 41

HINGE POINT LINE

FLOW LINE

SHOULDER SLOPE IMPROVEMENT
(SEE CROSS SECTIONS "NB SHOULDER SLOPE IMPROVEMENT, C/L IH 41")

WETLAND BOUNDARY

SLOPE INTERCEPT

EXISTING R/W

SILVER SPRING NB EXIT RAMP

POOL

LEGEND

BASE PATCHING SHES	MILL AND OVERLAY
CONCRETE PAVEMENT REPLACEMENT SHES	PAVEMENT RECONSTRUCTION
CONCRETE PAVEMENT SHES	HIGH FRICTION SURFACE TREATMENT
CONCRETE PAVEMENT APPROACH SLAB HES	CRACK SEAL
PPC OVERLAY	CROSS STITCH LONGITUDINAL CRACK
CONCRETE DECK OVERLAY	EXPANSION JOINT REPLACEMENT
DIAMOND GRINDING	CONCRETE BARRIER REPLACEMENT

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PLAN SHEETS	SHEET PRE_150 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_050201-PN.DWG
LAYOUT NAME - 050207-pn
PLOT DATE : 10/19/2021 11:37 AM
PLOT BY : VINDEDAHL, EMMA M
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

N

EB SILVER SPRING DR

WB SILVER SPRING DR

118"SP"

120"SP"

122"SP"

124"SP"

126"SP"

WISDOT LIGHTING

WETLAND BOUNDARY

WISDOT ELECTIC

SILVER SPRING SB ENTRANCE RAMP

WISDOT ELECTRIC

MIDWEST FIBER NETWORK

EXISTING R/W

BEAMGUARD REPLACEMENT
(SEE CROSS SECTIONS "SB BEAMGUARD
REPLACEMENT NEAR 338+75, C/L IH 41")

REPLACE EXISTING
CONCRETE BARRIER

SLOPE INTERCEPT

HINGE POINT LINE

B-40-363

SILVER SPRING SB EXIT RAMP

SB IH 41

℄ IH 41

WEENERGIES ELECTRIC

332 334 336 338 340 342 344 346

REPLACE EXISTING
CONCRETE BARRIER

MIDWEST FIBER NETWORK
NB IH 41

REPLACE EXISTING
CONCRETE BARRIER

REPLACE EXISTING
CONCRETE BARRIER

B-40-364

REPLACE EXISTING
CONCRETE BARRIER

SILVER SPRING NB ENTRANCE RAMP

WETLAND BOUNDARY

HINGE POINT LINE

BEAMGUARD REPLACEMENT
(SEE CROSS SECTIONS "NB BEAMGUARD
REPLACEMENT NEAR STA 324+27, C/L IH 41")

SLOPE INTERCEPT

SILVER SPRING NB EXIT RAMP

WISDOT LIGHTING

WISDOT LIGHTING

WISDOT LIGHTING

EXISTING R/W

TIME WARNER CABLE

MIDWEST FIBER NETWORK INSIDE WISDOT FTMS CONDUIT

℄ SP

TIME WARNER CABLE

WISCONSIN GAS COMPANY

FILLER
CAPS

CANOPY

PARKING

LEGEND

BASE PATCHING SHES	MILL AND OVERLAY
CONCRETE PAVEMENT REPLACEMENT SHES	PAVEMENT RECONSTRUCTION
CONCRETE PAVEMENT SHES	HIGH FRICTION SURFACE TREATMENT
CONCRETE PAVEMENT APPROACH SLAB HES	CRACK SEAL
PPC OVERLAY	CROSS STITCH LONGITUDINAL CRACK
CONCRETE DECK OVERLAY	EXPANSION JOINT REPLACEMENT
DIAMOND GRINDING	CONCRETE BARRIER REPLACEMENT

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PLAN SHEETS	SHEET E

PRE_151

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002001_050201-PN.DWG
LAYOUT NAME - 050208-pn

PLOT DATE : 10/19/2021 11:38 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

WETLAND BOUNDARY

EXISTING R/W

SILVER SPRING SB EXIT RAMP

WEENERGIES ELECTRIC

REPLACE EXISTING CONCRETE BARRIER

REPLACE EXISTING CONCRETE BARRIER

SILVER SPRING NB ENTRANCE RAMP

WETLAND BOUNDARY

EXISTING R/W

AMERICAN TRANSMISSION COMPANY

END PROJECT 1100-20-71
STA 348+72.43
MATCH EXISTING
SAW CUT REQ'D

SB IH 41

NB IH 41

C/L IH 41

WEENERGIES ELECTRIC

344 346 348 350 352 354 356 358

N 117th ST.

U/C

PARKING

UNION PACIFIC

N. 124th AVE.

LEGEND

BASE PATCHING SHES	MILL AND OVERLAY
CONCRETE PAVEMENT REPLACEMENT SHES	PAVEMENT RECONSTRUCTION
CONCRETE PAVEMENT SHES	HIGH FRICTION SURFACE TREATMENT
CONCRETE PAVEMENT APPROACH SLAB HES	CRACK SEAL
PPC OVERLAY	CROSS STITCH LONGITUDINAL CRACK
CONCRETE DECK OVERLAY	EXPANSION JOINT REPLACEMENT
DIAMOND GRINDING	CONCRETE BARRIER REPLACEMENT

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	PLAN SHEETS	SHEET PRE_152 E

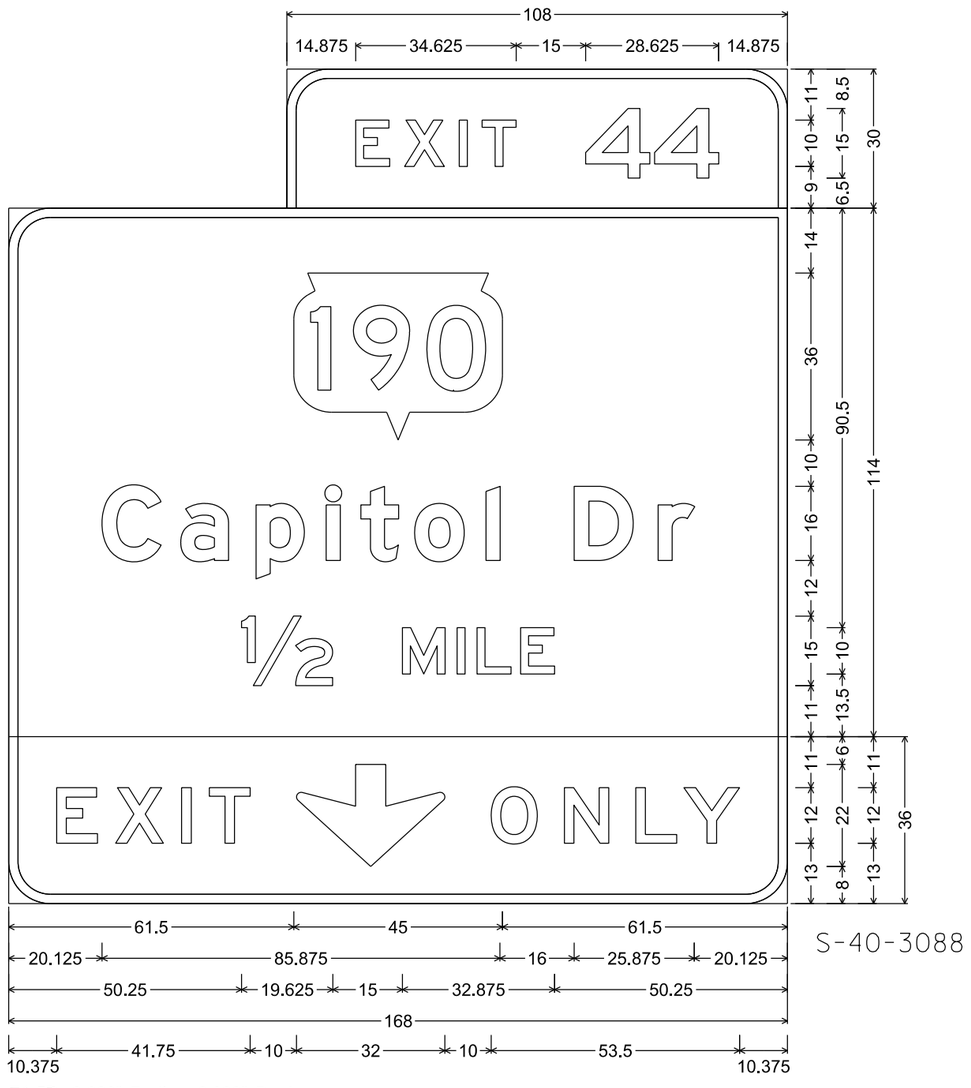
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LAYOUT NAME - 050209-pn

PLOT DATE : 10/19/2021 11:39 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

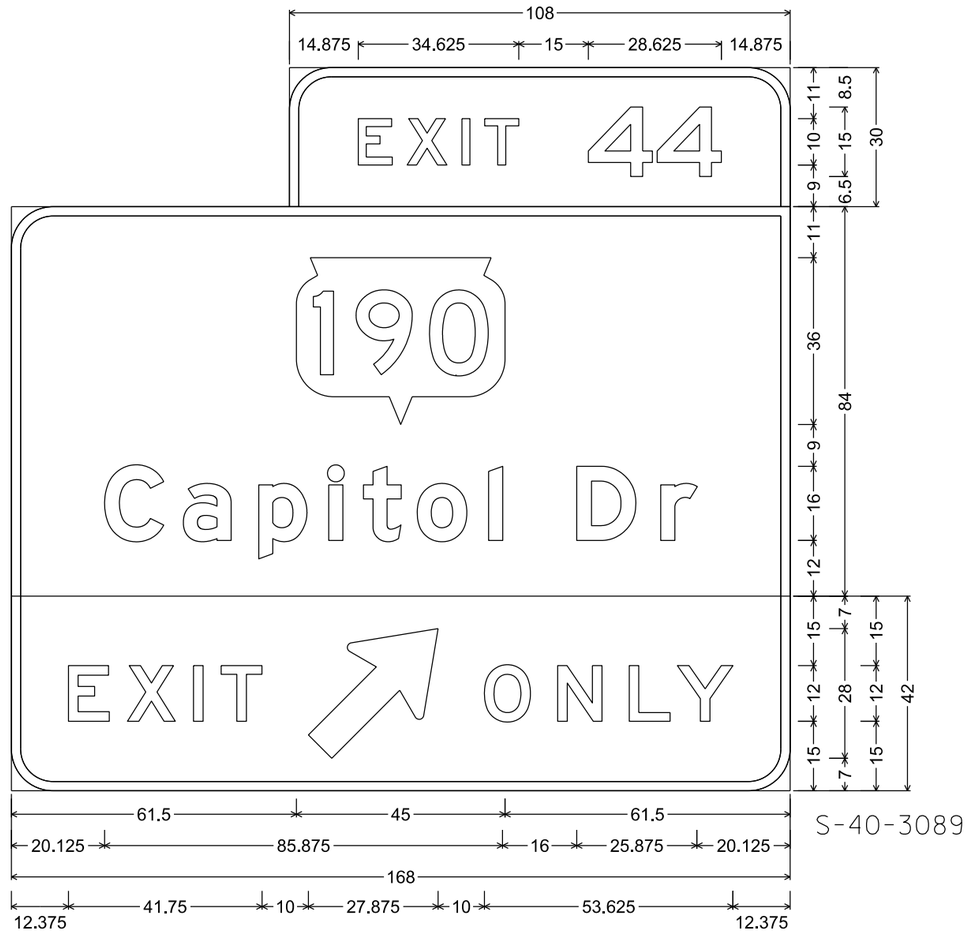
NOTES

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
4. EXIT ONLY panel is on Type F Reflective Sheeting with Black Non-Relective Message



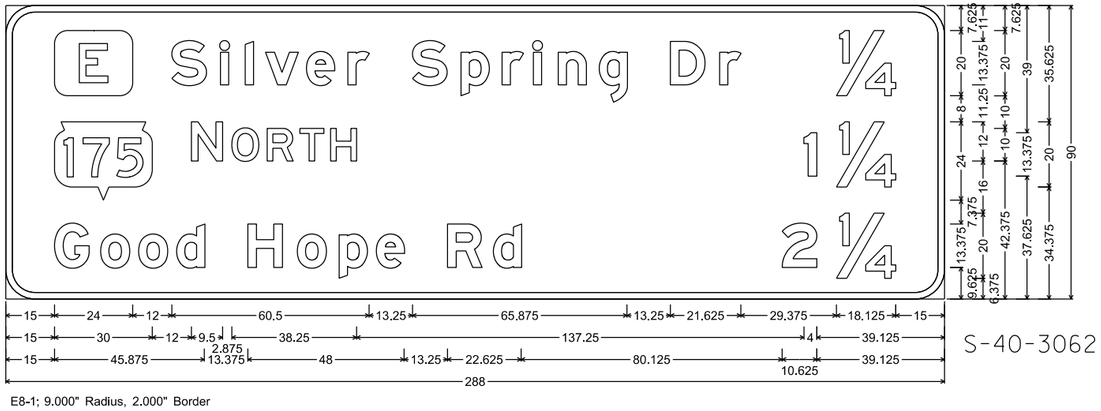
S-40-3088

E1-5P; 9.000" Radius, 2.000" Border,
E6-51; 9.000" Radius, 2.000" Border,
E11-1; 9.000" Radius, 2.000" Border, Black on, Yellow

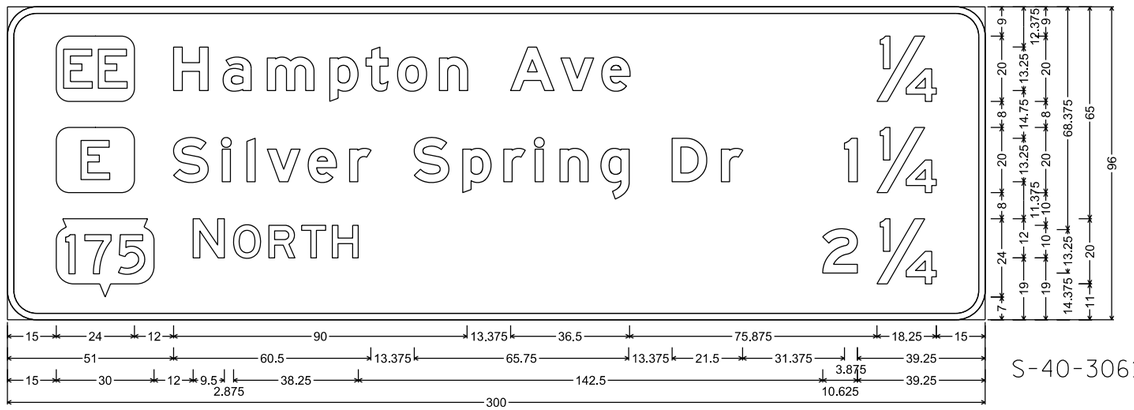


S-40-3089

E1-5P; 9.000" Radius, 2.000" Border,
E6-1; 9.000" Radius, 2.000" Border,
E11-1D; 9.000" Radius, 2.000" Border, Black on, Yellow



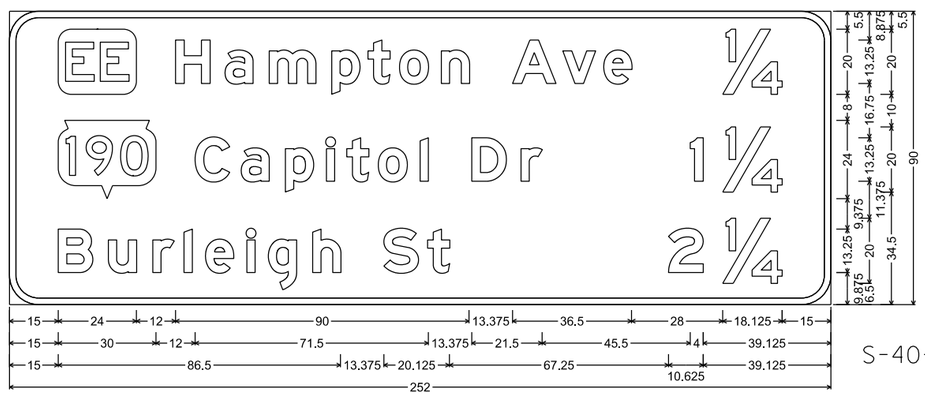
E8-1; 9.000" Radius, 2.000" Border



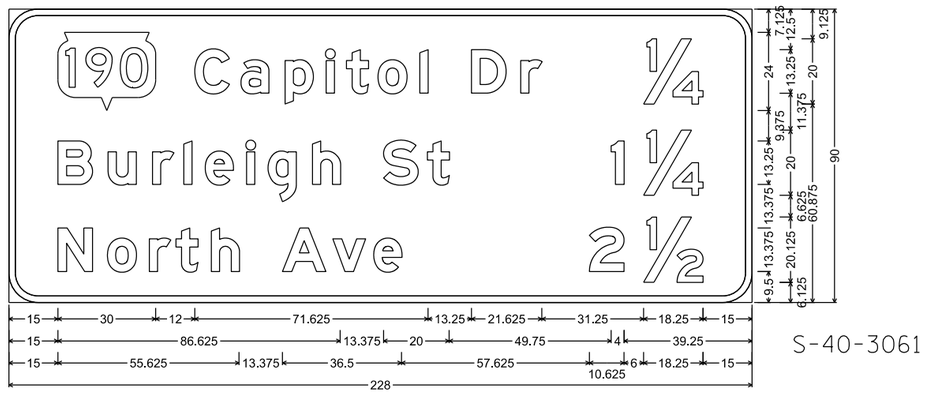
E8-1; 9.000" Radius, 2.000" Border

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

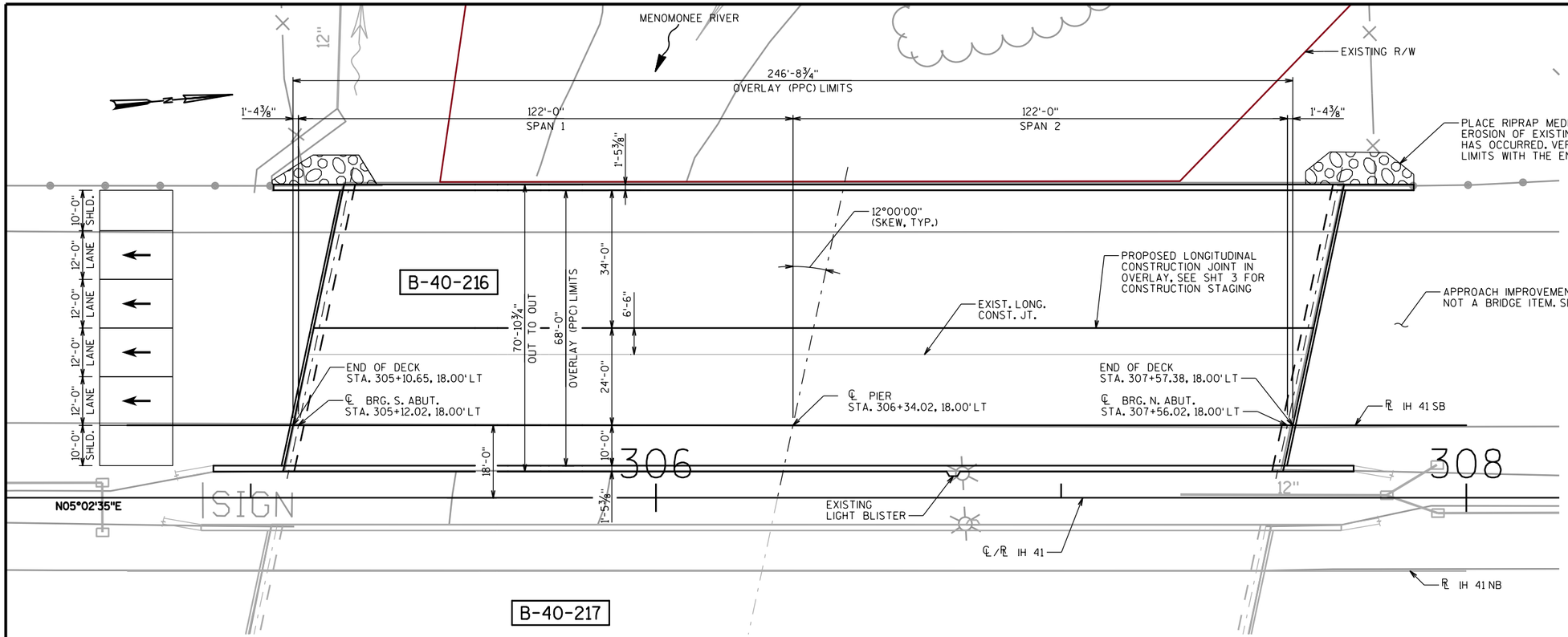


E8-1; 9.000" Radius, 2.000" Border



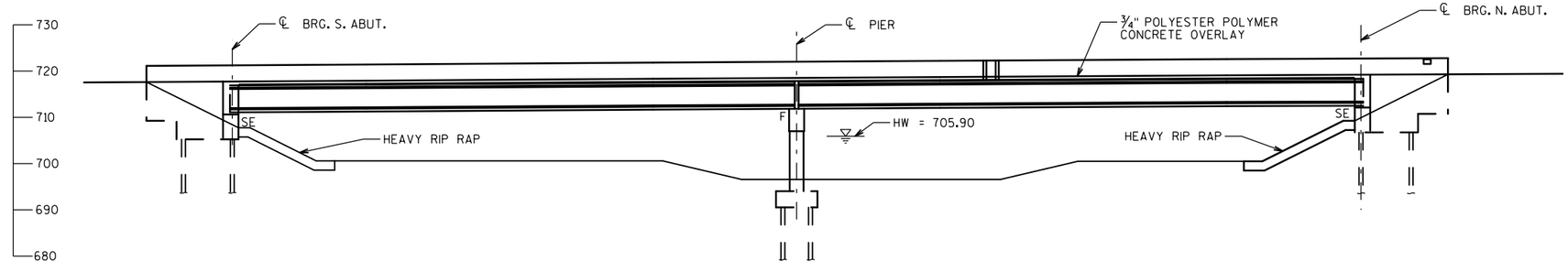
E8-1; 9.000" Radius, 2.000" Border

STATE PROJECT NUMBER
1100-20-71



PLAN

(PPC OVERLAY OF 2 SPAN 70" PRESTRESSED CONCRETE I-GIRDER)



ELEVATION

(LOOKING WEST)

HYDRAULIC DATA ┼

MENOMONEE RIVER

Q100 = 3,139 C.F.S.
V100 = 2.6 F.P.S.
HW100 = EL. 705.9
WATERWAY AREA = 1,206 S.F.
DRAINAGE AREA = 61 SQ. MI.
SCOUR CRITICAL CODE = 5
ROAD OVERTOPPING = N/A

TRAFFIC DATA

IH 41 SB

EXISTING A.D.T. = 62,650 (2013)
FUTURE A.D.T. = 71,800 (2040)
R.D.S. = 60 M.P.H.

DESIGN DATA

LIVE LOAD

INVENTORY RATING: HSXX
OPERATING RATING: HSXX
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = XXX KIPS

MATERIAL PROPERTIES

CONCRETE MASONRY:
SUPERSTRUCTURE ..... f'c = 4,000 psi
ALL OTHER ..... f'c = 3,500 psi

LIST OF DRAWINGS

1. GENERAL PLAN AND ELEVATION
2. TYPICAL SECTION, GENERAL NOTES AND QUANTITIES

LEGEND

→ TRAFFIC DIRECTION

┼ DATA TAKEN FROM HSI SYSTEM 6/10/2021, EXCEPT FOR WATERWAY AREA WHICH IS TAKEN FROM EXISTING PLANS.

1078 SUBMITTAL

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
AARON BONK (608) 261-0261
CONSULTANT:
PAT CASHIN (414) 359-2300

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY

HNTB
250 E. WISCONSIN AVE. #2000
MILWAUKEE, WI 53202
(414) 359-2300

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-40-216

IH 41 SB OVER MENOMONEE RIVER

COUNTY	~~TOWN~~/CITY/~~VILLAGE~~
MILWAUKEE	MILWAUKEE

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
SSG		SSG	

GENERAL PLAN AND ELEVATION

SHEET 1 OF 2

PRE_155

STATE PROJECT NUMBER
1100-20-71

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE EXISTING STRUCTURE PLANS.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED. ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD).

LOCATIONS OF THE FOLLOWING BID ITEMS SHALL BE DETERMINED IN THE FIELD BY THE PROJECT ENGINEER. QUANTITIES SHOWN FOR THESE ITEMS ARE APPROXIMATE.
- REMOVING LOOSE CONCRETE
- RIPRAP MEDIUM

"CONCRETE SURFACE REPAIR" AREAS SHOWN IN THE QUANTITIES TABLE ARE BASED ON THE BRIDGE INSPECTION REPORT AND ARE APPROXIMATE. EXACT AREAS OF REPAIR SHALL BE DETERMINED IN THE FIELD BY THE PROJECT ENGINEER. ALL SUBSTRUCTURE CONCRETE SURFACE REPAIRS AHLL INCLUDE "EMBEDDED GALVANID ANODES", PAID FOR SEPARATELY.

PREPARATION DECKS TYPE 1, PREPARATION DECKS TYPE 2, AND FULL-DEPTH DECK REPAIR AREAS ARE BASED ON THE PLANS AND AS DETERMINED BY THE ENGINEER. DECK PREPARATION AND FULL-DEPTH DECK REPAIRS SHALL BE FILLED WITH "RAPID SET DECK REPAIR". POLYESTER POLYMER CONCRETE AND PORTLAND CEMENT BASED CONCRETE PATCHES MAY BE SUBSTITUTED AT NO EXTRA COST. PORTLAND CEMENT BASED CONCRETE PATCHES SHALL BE USED FOR JOINT REPAIRS AND FULL-DEPTH REPAIRS WITH A PLAN AREA LARGER THAN 4 SF, UNLESS APPROVED OTHERWISE BY THE STRUCTURES DESIGN SECTION.

DECK REPAIRS SHALL BE FILLED PRIOR TO OVERLAY PLACEMENT. DECK REPAIRS USING A PORTLAND CEMENT BASED CONCRETE REQUIRES A MINIMUM CURE TIME OF 28 DAYS PRIOR TO OVERLAY PLACEMENT.

SHOT BLASTING, OVERLAY PRIME COAT, DECK SURFACE PREPARATIONS, AND TRANSITIONAL AREAS ARE INCLUDED IN THE BID ITEM "POLYESTER POLYMER CONCRETE OVERLAY".

OVERLAY CONSTRUCTION JOINTS SHALL BE APPROVED BY THE ENGINEER. AVOID PLACING LONGITUDINAL JOINTS NEAR WHEEL PATHS. WHEN REQUIRED, PLACE LONGITUDINAL JOINTS AT LANE LINES OR IN THE MIDDLE OF THE LANE. WHEEL PATHS DURING TEMPORARY TRAFFIC STAGING NEED NOT BE CONSIDERED.

CLEAN AND APPLY PIGMENTED SURFACE SEALER TO THE TOP AND INSIDE FACES OF THE EXISTING PARAPET. PAID FOR UNDER "PIGMENTED SURFACE SEALER RESEAL."

ANY EXCAVATION REQUIRED TO COMPLETE THE OVERLAY AT THE ABUTMENTS IS CONSIDERED INCIDENTAL TO THE BID ITEM "POLYESTER POLYMER CONCRETE OVERLAY".

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

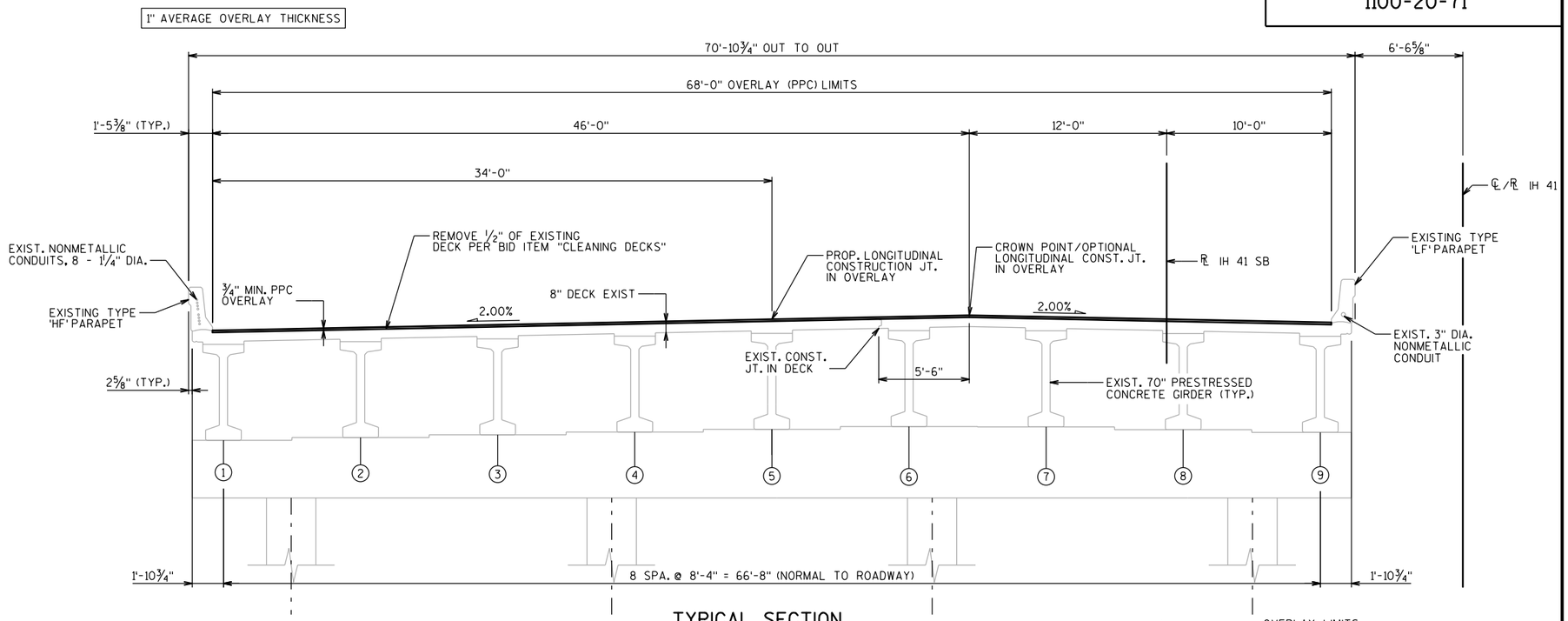
BEVEL EDGES OF EXPOSED CONCRETE TO MATCH EXISTING BEVELS UNLESS NOTED OTHERWISE.

A MINIMUM OF ½-INCH OF CONCRETE SHALL BE REMOVED FROM THE ENTIRE BRIDGE DECK UNDER THE BID ITEM "CLEANING DECKS".

THE AVERAGE OVERLAY THICKNESS IS BASED ON THE MINIMUM OVERLAY THICKNESS PLUS ¼" TO ACCOUNT FOR VARIATIONS IN THE DECK SURFACE.

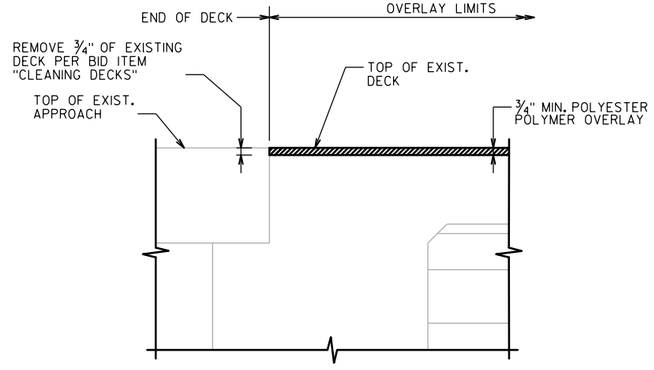
PROFILE GRADE LINE SHALL BE DETERMINED IN THE FIELD BASED ON A MINIMUM OVERLAY THICKNESS OF ¾" PLACED ABOVE THE DECK SURFACE AFTER SURFACE PREPARATION. THE EXPECTED AVERAGE OVERLAY THICKNESS IS 1". IF EXPECTED AVERAGE OVERLAY THICKNESS IS EXCEEDED BY MORE THAN ½", CONTACT THE STRUCTURES DESIGN SECTION.

THE UTILITY AND STORM SEWER INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION AS MAY BE NECESSARY TO AVOID DAMAGE.



TYPICAL SECTION

(LOOKING NORTH)



SECTION THRU ABUTMENT

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEM	UNIT	TOTAL
203.0335	DEBRIS CONTAINMENT OVER WATERWAY B-40-216	EACH	
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	
509.0301	PREPARATION DECKS TYPE 1	SY	
509.0302	PREPARATION DECKS TYPE 2	SY	
509.0310.S	SAWING PAVEMENT DECK PREPARATION AREAS	LF	
509.0500	CLEANING DECKS	SY	
509.1500	CONCRETE SURFACE REPAIR	SF	
509.2000	FULL-DEPTH DECK REPAIR	SY	
606.0200	RIPRAP MEDIUM	CY	
SPV.0035.XX	RAPID SET DECK REPAIR	CY	
SPV.0165.XX	REMOVING LOOSE CONCRETE	SF	
SPV.0180.XX	POLYESTER POLYMER CONCRETE OVERLAY	SY	
	NON-BID ITEMS		

ALL ITEMS ARE CATEGORY XXXX

1078 SUBMITTAL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-216

DRAWN BY SSG | PLANS CK'D.

TYPICAL SECTION, GENERAL NOTES AND QUANTITIES

SHEET 2 OF 2

PRE_156

8

8

FILE NAME : \\milw00\ingrproj\79555\b1\1100-20-71\B-40-216\cds\216_080102_ts.dgn PLOT DATE : 9/7/2021 9:17:16 AM PLOT BY : HAnders PLOT NAME : $FILE$ PLOT SCALE : 8:1

STATE PROJECT NUMBER
1100-20-71

B-40-216

306

308

SIGN

N05°02'35"E

℄ IH 41 SB

EXISTING LIGHT BLISTER

℄/℞ IH 41

18'-0"

1'-5⅜"

10'-0" SHLD.

12'-0" LANE

12'-0" LANE

12'-0" LANE

12'-0" LANE

10'-0" SHLD.

℄ BRG. S. ABUT.
STA. 305+04.10, 18.00' RT

END OF DECK
STA. 305+02.74, 18.00' RT

℄ PIER
STA. 306+26.10, 18.00' RT

℄ BRG. N. ABUT.
STA. 307+48.10, 18.00' RT

℞ IH 41 NB

END OF DECK
STA. 307+49.47, 18.00' RT

APPROACH IMPROVEMENTS (TYP.)
NOT A BRIDGE ITEM. SEE ROADWAY PLANS.

B-40-217

70'-10¾" OUT TO OUT

68'-0" OVERLAY (PPC) LIMITS

24'-0"

34'-0"

6'-6"

EXIST. CONST. JT.

PROPOSED LONGITUDINAL CONSTRUCTION JOINT IN OVERLAY, SEE SHT 3 FOR CONSTRUCTION STAGING

12°00'00" (SKEW, TYP.)

MENOMONEE RIVER

EXISITNG R/W

1'-4⅜"

122'-0" SPAN 1

122'-0" SPAN 2

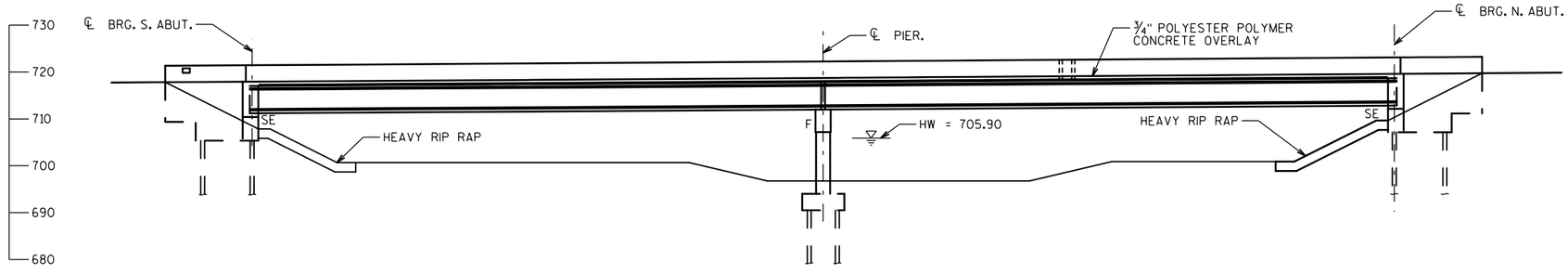
1'-4⅜"

246'-8¾" OVERLAY (PPC) LIMITS

SIGN

PLAN

(PPC OVERLAY OF 2 SPAN 70" PRESTRESSED CONCRETE I-GIRDER)



ELEVATION

(LOOKING WEST)

LIST OF DRAWINGS

1. GENERAL PLAN AND ELEVATION
2. TYPICAL SECTION, GENERAL NOTES AND QUANTITIES

LEGEND

→ TRAFFIC DIRECTION

┼ DATA TAKEN FROM HSI SYSTEM 6/10/2021, EXCEPT FOR WATERWAY AREA WHICH IS TAKEN FROM EXISTING PLANS.

HYDRAULIC DATA ┼

MENOMONEE RIVER

Q100 = 3,139 C.F.S.
V100 = 2.6 F.P.S.
HW100 = EL. 705.9
WATERWAY AREA = 1,206 S.F.
DRAINAGE AREA = 61 SQ. MI.
SCOUR CRITICAL CODE = 5
ROAD OVERTOPPING = N/A

TRAFFIC DATA

IH 41 NB

EXISTING A.D.T. = 62,650 (2013)
FUTURE A.D.T. = 71,800 (2040)
R.D.S. = 60 M.P.H.

DESIGN DATA

LIVE LOAD

INVENTORY RATING: HSXX
OPERATING RATING: HSXX
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = XXX KIPS

MATERIAL PROPERTIES

CONCRETE MASONRY:
SUPERSTRUCTURE ..... f'c = 4,000 psi
ALL OTHER ..... f'c = 3,500 psi

1078 SUBMITTAL

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
AARON BONK (608) 261-0261
CONSULTANT:
PAT CASHIN (414) 359-2300

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY

HNTB
250 E. WISCONSIN AVE. #2000
MILWAUKEE, WI 53202
(414) 359-2300

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-40-217

IH 41 NB OVER MENOMONEE RIVER

COUNTY	TOWN/CITY/VILLAGE
MILWAUKEE	MILWAUKEE

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
SSG		SSG	

GENERAL PLAN AND ELEVATION

SHEET 1 OF 2

PRE_157

STATE PROJECT NUMBER
1100-20-71

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE EXISTING STRUCTURE PLANS.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED. ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD).

LOCATIONS OF THE FOLLOWING BID ITEMS SHALL BE DETERMINED IN THE FIELD BY THE PROJECT ENGINEER. QUANTITIES SHOWN FOR THESE ITEMS ARE APPROXIMATE.
- REMOVING LOOSE CONCRETE
- RIPRAP MEDIUM

"CONCRETE SURFACE REPAIR" AREAS SHOWN IN THE QUANTITIES TABLE ARE BASED ON THE BRIDGE INSPECTION REPORT AND ARE APPROXIMATE. EXACT AREAS OF REPAIR SHALL BE DETERMINED IN THE FIELD BY THE PROJECT ENGINEER. ALL SUBSTRUCTURE CONCRETE SURFACE REPAIRS AHLL INCLUDE "EMBEDDED GALVANID ANODES", PAID FOR SEPARATELY.

PREPARATION DECKS TYPE 1, PREPARATION DECKS TYPE 2, AND FULL-DEPTH DECK REPAIR AREAS ARE BASED ON THE PLANS AND AS DETERMINED BY THE ENGINEER. DECK PREPARATION AND FULL-DEPTH DECK REPAIRS SHALL BE FILLED WITH "RAPID SET DECK REPAIR". POLYESTER POLYMER CONCRETE AND PORTLAND CEMENT BASED CONCRETE PATCHES MAY BE SUBSTITUTED AT NO EXTRA COST. PORTLAND CEMENT BASED CONCRETE PATCHES SHALL BE USED FOR JOINT REPAIRS AND FULL-DEPTH REPAIRS WITH A PLAN AREA LARGER THAN 4 SF, UNLESS APPROVED OTHERWISE BY THE STRUCTURES DESIGN SECTION.

DECK REPAIRS SHALL BE FILLED PRIOR TO OVERLAY PLACEMENT. DECK REPAIRS USING A PORTLAND CEMENT BASED CONCRETE REQUIRES A MINIMUM CURE TIME OF 28 DAYS PRIOR TO OVERLAY PLACEMENT.

SHOT BLASTING, OVERLAY PRIME COAT, DECK SURFACE PREPARATIONS, AND TRANSITIONAL AREAS ARE INCLUDED IN THE BID ITEM "POLYESTER POLYMER CONCRETE OVERLAY".

OVERLAY CONSTRUCTION JOINTS SHALL BE APPROVED BY THE ENGINEER. AVOID PLACING LONGITUDINAL JOINTS NEAR WHEEL PATHS. WHEN REQUIRED, PLACE LONGITUDINAL JOINTS AT LANE LINES OR IN THE MIDDLE OF THE LANE. WHEEL PATHS DURING TEMPORARY TRAFFIC STAGING NEED NOT BE CONSIDERED.

CLEAN AND APPLY PIGMENTED SURFACE SEALER TO THE TOP AND INSIDE FACES OF THE EXISTING PARAPET. PAID FOR UNDER "PIGMENTED SURFACE SEALER RESEAL."

ANY EXCAVATION REQUIRED TO COMPLETE THE OVERLAY AT THE ABUTMENTS IS CONSIDERED INCIDENTAL TO THE BID ITEM "POLYESTER POLYMER CONCRETE OVERLAY".

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

BEVEL EDGES OF EXPOSED CONCRETE TO MATCH EXISTING BEVELS UNLESS NOTED OTHERWISE.

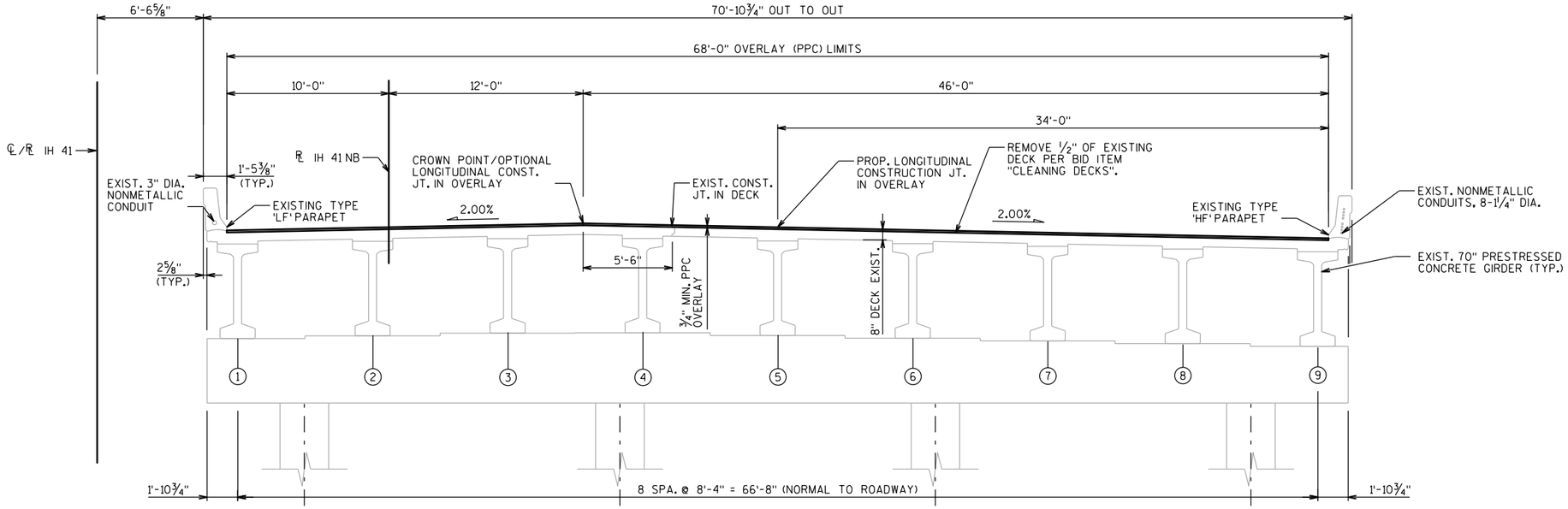
A MINIMUM OF 1/2-INCH OF CONCRETE SHALL BE REMOVED FROM THE ENTIRE BRIDGE DECK UNDER THE BID ITEM "CLEANING DECKS".

THE AVERAGE OVERLAY THICKNESS IS BASED ON THE MINIMUM OVERLAY THICKNESS PLUS 1/4" TO ACCOUNT FOR VARIATIONS IN THE DECK SURFACE.

PROFILE GRADE LINE SHALL BE DETERMINED IN THE FIELD BASED ON A MINIMUM OVERLAY THICKNESS OF 3/4" PLACED ABOVE THE DECK SURFACE AFTER SURFACE PREPARATION. THE EXPECTED AVERAGE OVERLAY THICKNESS IS 1". IF EXPECTED AVERAGE OVERLAY THICKNESS IS EXCEEDED BY MORE THAN 1/2", CONTACT THE STRUCTURES DESIGN SECTION.

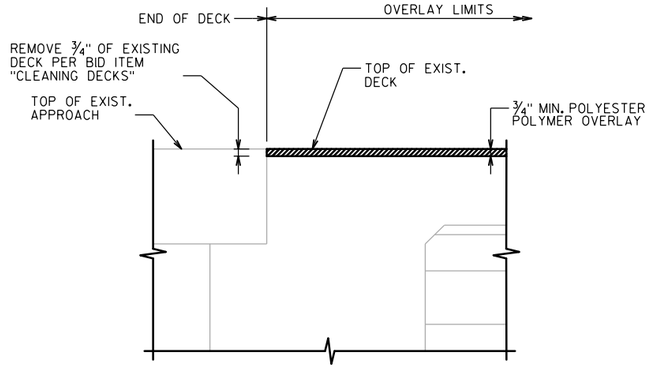
THE UTILITY AND STORM SEWER INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION AS MAY BE NECESSARY TO AVOID DAMAGE.

1" AVERAGE OVERLAY THICKNESS



TYPICAL SECTION

(LOOKING NORTH)



SECTION THRU ABUTMENT

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEM	UNIT	TOTAL
203.0335	DEBRIS CONTAINMENT OVER WATERWAY B-40-216	EACH	
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	
509.0301	PREPARATION DECKS TYPE 1	SY	
509.0302	PREPARATION DECKS TYPE 2	SY	
509.0310.S	SAWING PAVEMENT DECK PREPARATION AREAS	LF	
509.0500	CLEANING DECKS	SY	
509.1500	CONCRETE SURFACE REPAIR	SF	
509.2000	FULL-DEPTH DECK REPAIR	SY	
606.0200	RIPRAP MEDIUM	CY	
SPV.0035.XX	RAPID SET DECK REPAIR	CY	
SPV.0165.XX	REMOVING LOOSE CONCRETE	SF	
SPV.0180.XX	POLYESTER POLYMER CONCRETE OVERLAY	SY	
	NON-BID ITEMS		

ALL ITEMS ARE CATEGORY XXXX

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-217

DRAWN BY SSG | PLANS CK'D.

TYPICAL SECTION, GENERAL NOTES AND QUANTITIES

SHEET 2 OF 2

1078 SUBMITTAL

PRE_158

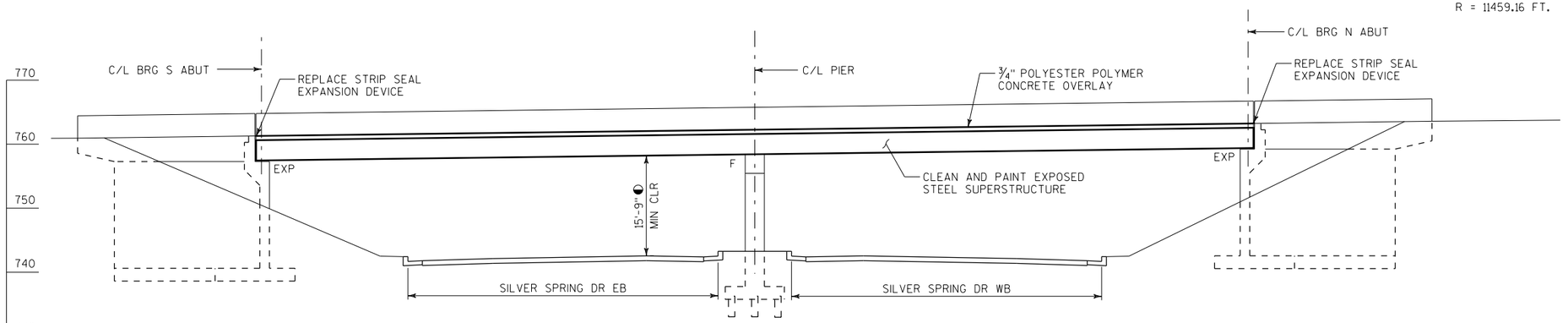
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STATE PROJECT NUMBER
1100-20-71



PLAN

(PPC OVERLAY OF 2 SPAN CONTINUOUS STEEL PLATE GIRDER)



LEGEND

◐ LOCATION PER EXISTING PLANS AND MINIMUM CLEARANCE TAKEN FROM HSI SYSTEM ON 9-29-2016

ELEVATION

LIST OF DRAWINGS

1. GENERAL PLAN AND ELEVATION
2. TYPICAL SECTION, GENERAL NOTES AND QUANTITIES
3. CONSTRUCTION STAGING

TRAFFIC DATA

IH 41 NB

EXISTING ADT = 62,650 (2013)
FUTURE ADT = 71,800 (2040)
RDS = 60 MPH

SILVER SPRING DR.

EXISTING ADT = 28,150 (2013)
FUTURE ADT = 32,000 (2040)
RDS = 45 MPH

DESIGN DATA

LIVE LOAD

INVENTORY RATING: HSXX
OPERATING RATING: HSXX
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = XXX KIPS

MATERIAL PROPERTIES

CONCRETE MASONRY:
SUPERSTRUCTURE ..... f'c = 4,000 psi
ALL OTHER ..... f'c = 3,500 psi
REINFORCEMENT BAR STEEL ..... fy = 60,000 psi

CURVE DATA C/L IH 41

PI = STA 336+09.95
Y = 328202.272
X = 566485.039
Δ = 3°06'28"
D = 0°30'00"
L = 621.53 FT.
T = 310.84 FT.
R = 11459.16 FT.

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
AARON BONK (608) 261-0261
CONSULTANT:
STEVE MILLER (414) 272-2426

NO.	DATE	REVISION	BY

Jacobs

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-40-363

IH 41 SB OVER SILVER SPRING DR.

COUNTY	~~TOWN~~/CITY/~~VILLAGE~~
MILWAUKEE	MILWAUKEE

DESIGN SPEC.
REHABILITATION N/A

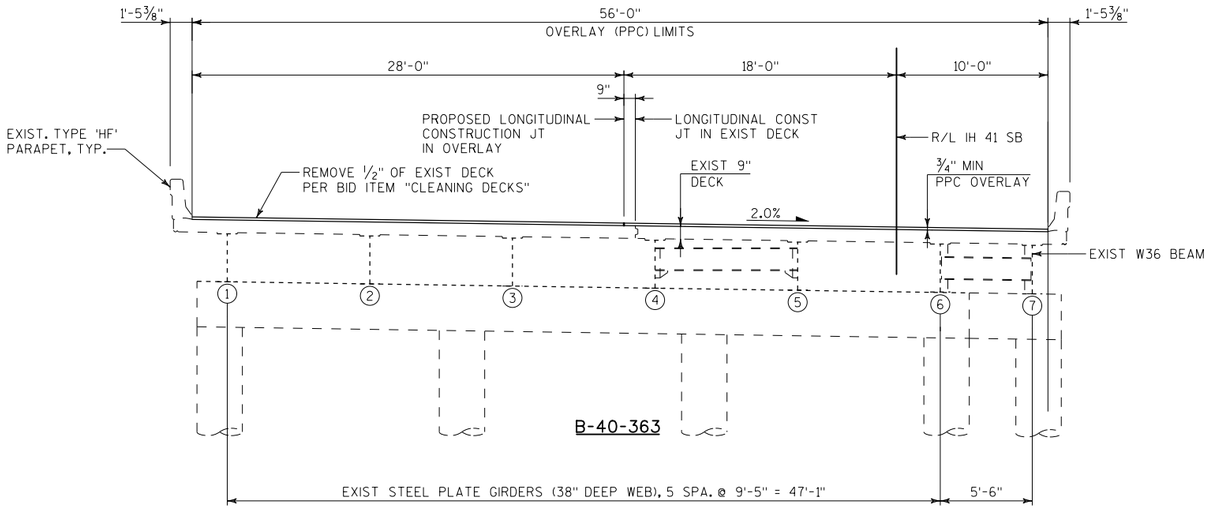
DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
SGM	EKM	TEK	EKM

GENERAL PLAN AND ELEVATION

SHEET 1 OF 3

PRE_159

1078 SUBMITTAL



TYPICAL SECTION

(LOOKING NORTH)

TOTAL ESTIMATED QUANTITES

ITEM NO.	BID ITEMS	UNITS	TOTAL
502.0100	CONCRETE MASONRY BRIDGES	CY	
502.0717.S	CRACK SEALING EPOXY	LF	
502.3101	EXPANSION DEVICE	LF	1
502.3200	PROTECTIVE SURFACE TREATMENT	SY	
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	
502.3210	PIGMENTED SURFACE SEALER	SY	
502.4205	ADHESIVE ANCHORS NO. 5 BAR	EACH	
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	
509.0301	PREPARATION DECKS TYPE 1	SY	
509.0302	PREPARATION DECKS TYPE 2	SY	
509.0310.S	SAWING PAVEMENT DECK PREPARATION AREAS	LF	
509.0500	CLEANING DECKS	SY	
509.1000	JOINT REPAIR	SY	
509.1500	CONCRETE SURFACE REPAIR	SF	
509.2000	FULL-DEPTH DECK REPAIR	SY	
509.2100.S	CONCRETE MASONRY DECK REPAIR	CY	
517.1801.S.XX	STRUCTURE REPAINTING RECYCLED ABRASIVE B-40-363	EACH	1
517.4501.S.XX	NEGATIVE PRESSURE CONTAINMENT AND COLLECTION OF WASTE MATERIALS B-40-363	EACH	1
517.6001.S	PORTABLE DECONTAMINATION FACILITY	EACH	
SPV.0035.XX	RAPID SET DECK REPAIR	CY	
SPV.0165.XX	REMOVING LOOSE CONCRETE	SF	
SPV.0180.XX	POLYESTER POLYMER CONCRETE OVERLAY	SY	
SPV.0180.XX	ABUTMENT SEAT CLEANING AND SEALING	SY	

ALL ITEMS ARE CATEGORY XXXX

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE EXISTING STRUCTURE PLANS.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED. ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1989 (NAVD).

LOCATIONS OF THE FOLLOWING BID ITEMS SHALL BE DETERMINED IN THE FIELD BY THE PROJECT ENGINEER. QUANTITIES SHOWN FOR THE BID ITEMS ARE APPROXIMATE:
- CONCRETE SURFACE REPAIR
- REMOVING LOOSE CONCRETE

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

UNDER THE BID ITEM "ADHESIVE ANCHORS NO. 5 BAR", ANCHORED REINFORCING STEEL SHALL BE PAID FOR SEPARATELY AS PROVIDED IN SECTION 505 OF THE STANDARD SPECIFICATIONS FOR BAR STEEL REINFORCEMENT.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL REINFORCING BARS ARE ENGLISH. THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE. BAR DIMENSIONS ARE OUT TO OUT OF BAR.

UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.

EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS AND HARDWARE, SHALL BE PAID FOR PER LINEAR FOOT AS "EXPANSION DEVICE".

"PROTECTIVE SURFACE TREATMENT" SHALL BE APPLIED TO THE TOP OF ANY NEW CONCRETE ASSOCIATED WITH THE JOINT REPLACEMENT.

"PIGMENTED SURFACE SEALER" SHALL BE APPLIED TO THE TOP AND INSIDE FACES OF EXISTING PARAPETS. PERFORM "CLEANING PARAPETS" PRIOR TO APPLYING "PIGMENTED SURFACE SEALER" ON THE EXISTING PARAPETS.

ANY EXCAVATION REQUIRED TO COMPLETE THE OVERLAY OR JOINT REPAIR IS CONSIDERED INCIDENTAL TO THE BID ITEM "POLYESTER POLYMER CONCRETE OVERLAY".

NEW CONCRETE AT JOINT REPAIR IS PAID FOR AS "RAPID SET DECK REPAIR". THIS DOES NOT INCLUDE THE CONCRETE TO REPLACE SECTIONS OF PARAPET WITHIN THE JOINT REPAIR LIMITS. THIS EXCLUDES THE ¾" PPC CONCRETE OVERLAY. REFER TO THE 'GENERAL PLAN AND ELEVATION' SHEET FOR THE LIMITS OF THE PPC OVERLAY.

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

BEVEL EDGES OF EXPOSED CONCRETE TO MATCH EXISTING BEVELS UNLESS NOTED OTHERWISE.

A MINIMUM OF ½-INCH OF CONCRETE SHALL BE REMOVED FROM THE ENTIRE BRIDGE DECK UNDER THE BID ITEM "CLEANING DECKS".

PROFILE GRADE LINE SHALL BE DETERMINED IN THE FIELD BASED ON A MINIMUM OVERLAY THICKNESS OF ¾" PLACED ABOVE THE DECK SURFACE AFTER THE SURFACE PREPARATION. EXPECTED AVERAGE OVERLAY THICKNESS IS 1". IF EXPECTED OVERLAY THICKNESS IS EXCEEDED BY MORE THAN ½", CONTACT THE STRUCTURES DESIGN SECTION.

CLEAN AND PAINT ALL EXPOSED STEEL SUPERSTRUCTURE SURFACES UNDERNEATH THE BRIDGE. THE SURFACES INCLUDE GIRDERS, DIAPHRAGMS, CONNECTIONS, ETC.

EXISTING STEEL SUPERSTRUCTURE SHALL BE PAINTED LIGHT GRAY, FEDERAL COLOR NUMBER 26293.

REMOVAL OF PARAPET AT JOINTS IS INCLUDED IN THE BID ITEM "JOINT REPAIR". CONCRETE TO REPLACE SECTIONS OF PARAPET WITHIN THE JOINT REPAIR LIMITS SHALL BE PAID AS "CONCRETE MASON BRIDGES".

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF THE UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

STATE PROJECT NUMBER
1100-20-71

8

8

1078 SUBMITTAL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-363

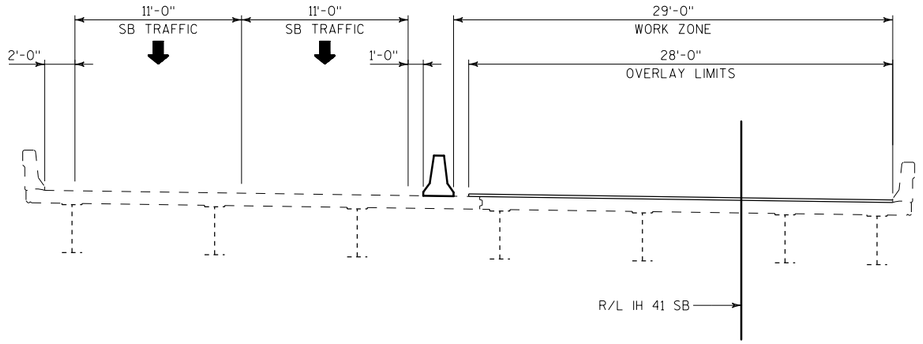
DRAWN BY TEK | PLANS CK'D. EKM

TYPICAL SECTION, GENERAL NOTES AND QUANTITIES

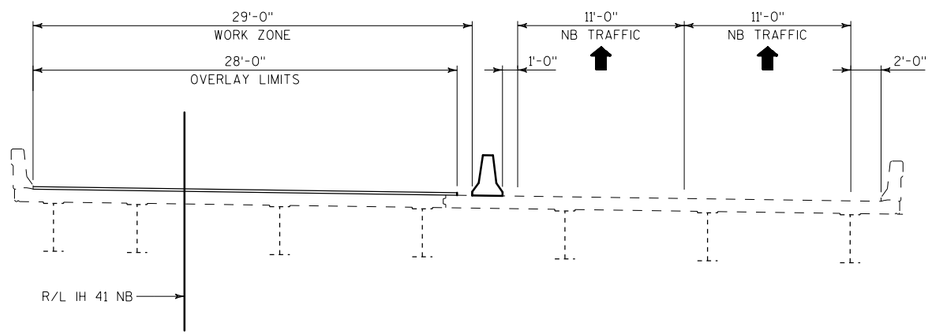
SHEET 2 OF 3

PRE_160

STATE PROJECT NUMBER
1100-20-71

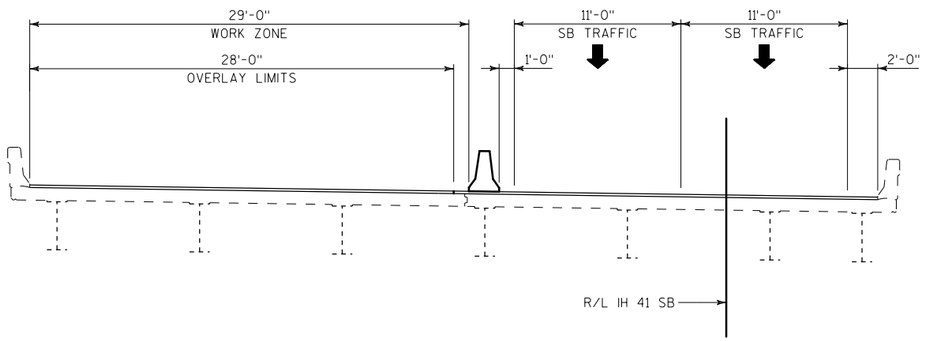


B-40-363

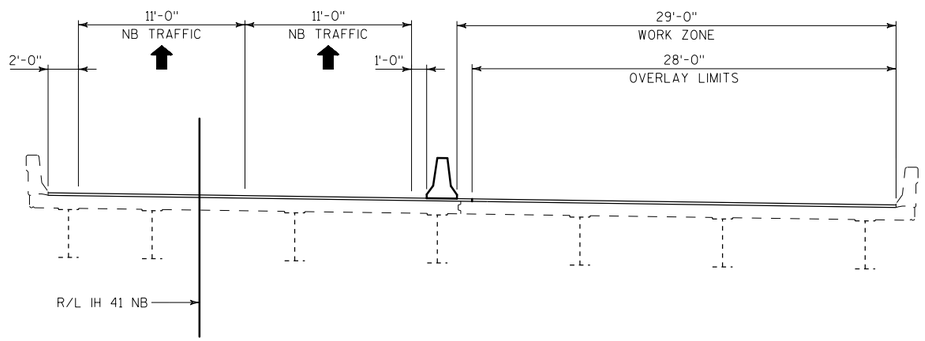


B-40-364

CROSS SECTION THRU ROADWAY
PHASE 2
(LOOKING NORTH)



B-40-363



B-40-364

CROSS SECTION THRU ROADWAY
PHASE 1
(LOOKING NORTH)

NOTES

PHASE NUMBERS FOR STRUCTURE WORK DO NOT MATCH ROADWAY STAGING PLAN NUMBERING.

SEE ROADWAY PLANS FOR COMPLETE PROJECT STAGING DETAILS.

1078 SUBMITTAL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-363

DRAWN BY	TEK	PLANS CK'D.	EKM

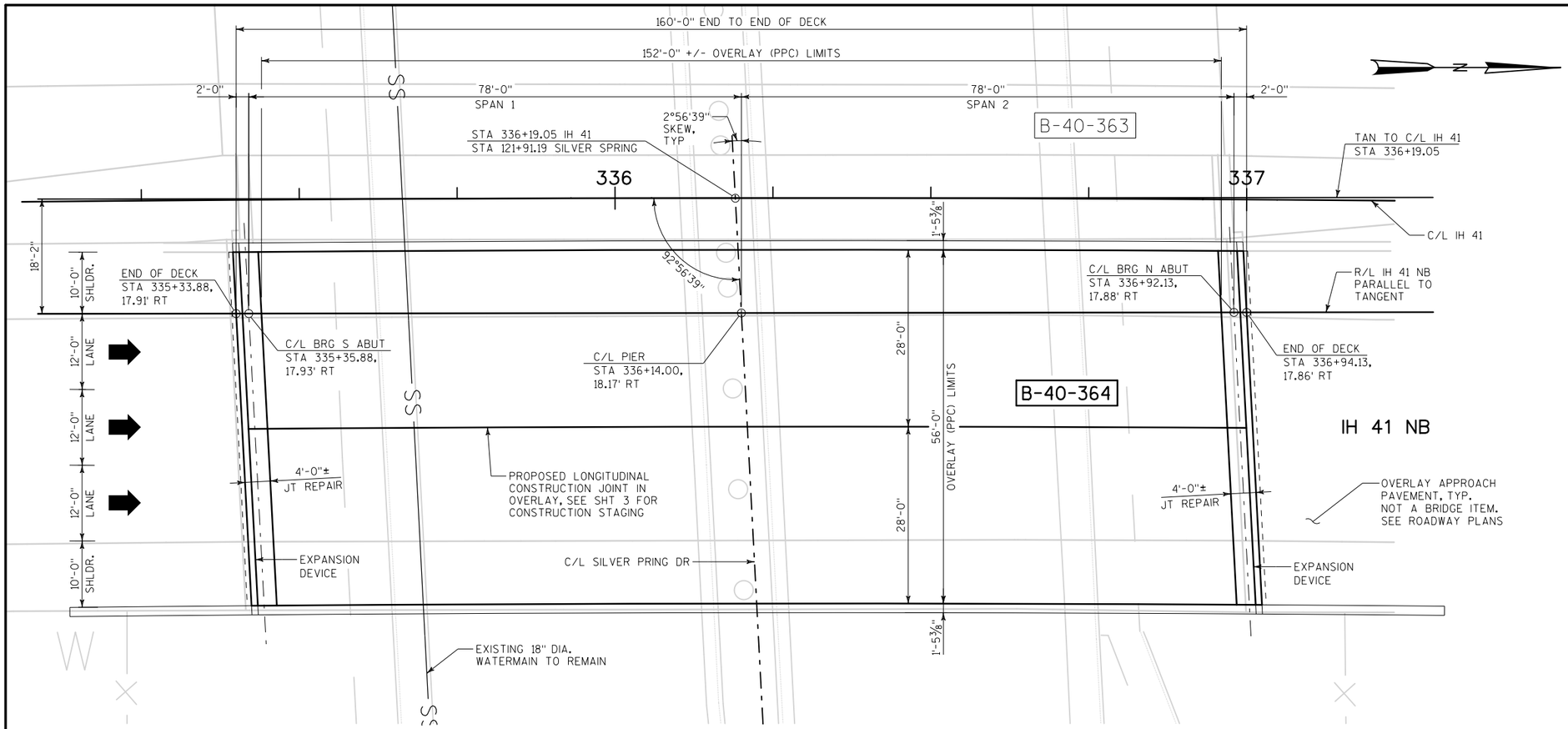
CONSTRUCTION STAGING

SHEET 3 OF 3

PRE_161

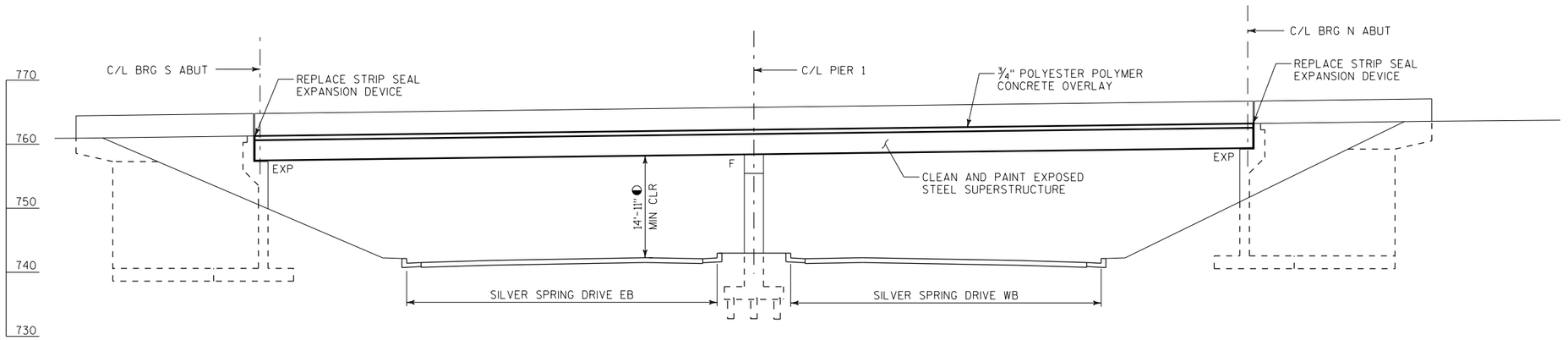
FILE NAME : B363_080103_cs.dgn PLOT DATE : 20-SEP-2021 PLOT BY : emccrigh B363_080103_cs PLOT SCALE : 10:1

STATE PROJECT NUMBER
1100-20-71



PLAN

(PPC OVERLAY OF 2 SPAN CONTINUOUS STEEL PLATE GIRDER)



LEGEND

◐ LOCATION PER EXISTING PLANS AND MINIMUM CLEARANCE TAKEN FROM HSI SYSTEM 9-29-2016

ELEVATION

(LOOKING WEST)

LIST OF DRAWINGS

1. GENERAL PLAN AND ELEVATION
2. TYPICAL SECTION, GENERAL NOTES AND QUANTITIES
3. CONSTRUCTION STAGING

TRAFFIC DATA

IH 41 NB

EXISTING ADT = 62,650 (2013)
FUTURE ADT = 71,800 (2040)
RDS = 60 MPH

SILVER SPRING DR.

EXISTING ADT = 28,150 (2013)
FUTURE ADT = 32,000 (2040)
RDS = 45 MPH

DESIGN DATA

LIVE LOAD

INVENTORY RATING: HSXX
OPERATING RATING: HSXX
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = XXX KIPS

MATERIAL PROPERTIES

CONCRETE MASONRY:
SUPERSTRUCTURE ..... f'c = 4,000 psi
ALL OTHER ..... f'c = 3,500 psi
REINFORCEMENT BAR STEEL ..... fy = 60,000 psi

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
AARON BONK (608) 261-0261
CONSULTANT:
STEVE MILLER (414) 272-2426

NO.	DATE	REVISION	BY

Jacobs

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-40-364

IH 41 NB OVER SILVER SPRING DR.

COUNTY	~~TOWN~~/CITY/~~VILLAGE~~
MILWAUKEE	MILWAUKEE

DESIGN SPEC.
REHABILITATION N/A

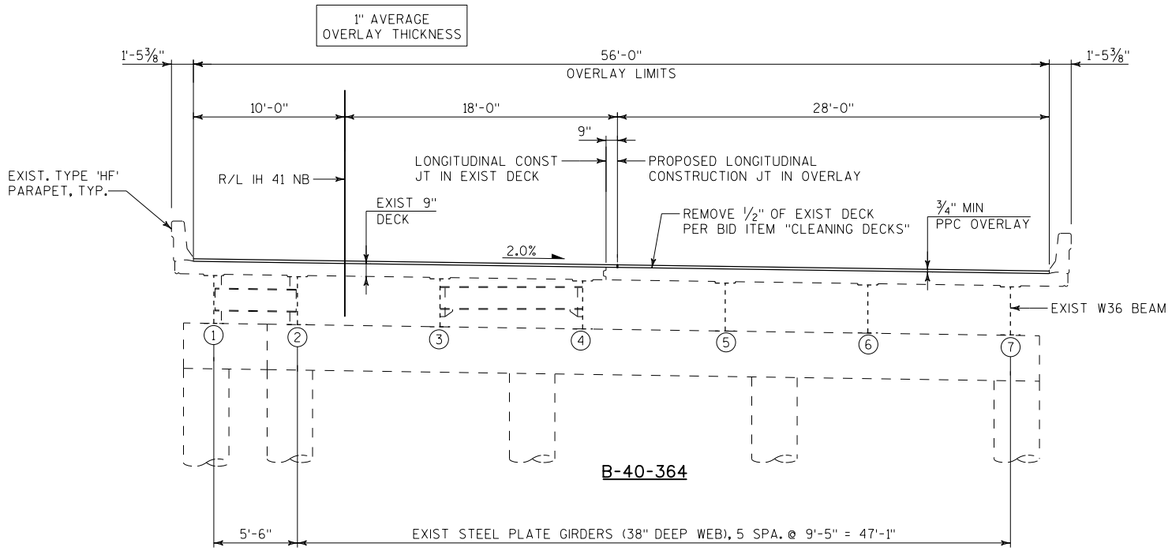
DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
SGM	EKM	TEK	EKM

GENERAL PLAN AND ELEVATION

SHEET 1 OF 3

PRE_162

1078 SUBMITTAL



TYPICAL SECTION

(LOOKING NORTH)

TOTAL ESTIMATED QUANTITES

ITEM NO.	BID ITEMS	UNITS	TOTAL
502.0100	CONCRETE MASONRY BRIDGES	CY	
502.0717.S	CRACK SEALING EPOXY	LF	
502.3101	EXPANSION DEVICE	LF	1
502.3200	PROTECTIVE SURFACE TREATMENT	SY	
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	
502.3210	PIGMENTED SURFACE SEALER	SY	
502.4205	ADHESIVE ANCHORS NO. 5 BAR	EACH	
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	
509.0301	PREPARATION DECKS TYPE 1	SY	
509.0302	PREPARATION DECKS TYPE 2	SY	
509.0310.S	SAWING PAVEMENT DECK PREPARATION AREAS	LF	
509.0500	CLEANING DECKS	SY	
509.1000	JOINT REPAIR	SY	
509.1500	CONCRETE SURFACE REPAIR	SF	
509.2000	FULL-DEPTH DECK REPAIR	SY	
509.2100.S	CONCRETE MASONRY DECK REPAIR	CY	
517.1801.S.XX	STRUCTURE REPAINTING RECYCLED ABRASIVE B-40-363	EACH	1
517.4501.S.XX	NEGATIVE PRESSURE CONTAINMENT AND COLLECTION OF WASTE MATERIALS B-40-363	EACH	1
517.6001.S	PORTABLE DECONTAMINATION FACILITY	EACH	
SPV.0035.XX	RAPID SET DECK REPAIR	CY	
SPV.0165.XX	REMOVING LOOSE CONCRETE	SF	
SPV.0180.XX	POLYESTER POLYMER CONCRETE OVERLAY	SY	
SPV.0180.XX	ABUTMENT SEAT CLEANING AND SEALING	SY	

ALL ITEMS ARE CATEGORY XXXX

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE EXISTING STRUCTURE PLANS.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED. ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1989 (NAVD).

LOCATIONS OF THE FOLLOWING BID ITEMS SHALL BE DETERMINED IN THE FIELD BY THE PROJECT ENGINEER. QUANTITIES SHOWN FOR THE BID ITEMS ARE APPROXIMATE:
- CONCRETE SURFACE REPAIR
- REMOVING LOOSE CONCRETE

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

UNDER THE BID ITEM "ADHESIVE ANCHORS NO. 5 BAR", ANCHORED REINFORCING STEEL SHALL BE PAID FOR SEPARATELY AS PROVIDED IN SECTION 505 OF THE STANDARD SPECIFICATIONS FOR BAR STEEL REINFORCEMENT.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL REINFORCING BARS ARE ENGLISH. THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE. BAR DIMENSIONS ARE OUT TO OUT OF BAR.

UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.

EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS AND HARDWARE, SHALL BE PAID FOR PER LINEAR FOOT AS "EXPANSION DEVICE".

"PROTECTIVE SURFACE TREATMENT" SHALL BE APPLIED TO THE TOP OF ANY NEW CONCRETE ASSOCIATED WITH THE JOINT REPLACEMENT.

"PIGMENTED SURFACE SEALER" SHALL BE APPLIED TO THE TOP AND INSIDE FACES OF EXISTING PARAPETS. PERFORM "CLEANING PARAPETS" PRIOR TO APPLYING "PIGMENTED SURFACE SEALER" ON THE EXISTING PARAPETS.

ANY EXCAVATION REQUIRED TO COMPLETE THE OVERLAY OR JOINT REPAIR IS CONSIDERED INCIDENTAL TO THE BID ITEM "POLYESTER POLYMER CONCRETE OVERLAY".

NEW CONCRETE AT JOINT REPAIR IS PAID FOR AS "RAPID DECK REPAIR". THIS DOES NOT INCLUDE THE CONCRETE TO REPLACE SECTIONS OF PARAPET WITHIN THE JOINT REPAIR LIMITS. THIS EXCLUDES THE ¾" PPC CONCRETE OVERLAY. REFER TO THE 'GENERAL PLAN AND ELEVATION' SHEET FOR THE LIMITS OF THE PPC OVERLAY.

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

BEVEL EDGES OF EXPOSED CONCRETE TO MATCH EXISTING BEVELS UNLESS NOTED OTHERWISE.

A MINIMUM OF ½-INCH OF CONCRETE SHALL BE REMOVED FROM THE ENTIRE BRIDGE DECK UNDER THE BID ITEM "CLEANING DECKS".

PROFILE GRADE LINE SHALL BE DETERMINED IN THE FIELD BASED ON A MINIMUM OVERLAY THICKNESS OF ¾" PLACED ABOVE THE DECK SURFACE AFTER THE SURFACE PREPARATION. EXPECTED AVERAGE OVERLAY THICKNESS IS 1". IF EXPECTED OVERLAY THICKNESS IS EXCEEDED BY MORE THAN ½", CONTACT THE STRUCTURES DESIGN SECTION.

CLEAN AND PAINT ALL EXPOSED STEEL SUPERSTRUCTURE SURFACES UNDERNEATH THE BRIDGE. THE SURFACES INCLUDE GIRDERS, DIAPHRAGMS, CONNECTIONS, ETC.

EXISTING STEEL SUPERSTRUCTURE SHALL BE PAINTED LIGHT GRAY, FEDERAL COLOR NUMBER 26293.

REMOVAL OF PARAPET AT JOINTS IS INCLUDED IN THE BID ITEM "JOINT REPAIR". CONCRETE TO REPLACE SECTIONS OF PARAPET WITHIN THE JOINT REPAIR LIMITS SHALL BE PAID AS "CONCRETE MASON BRIDGES".

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF THE UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

STATE PROJECT NUMBER
1100-20-71

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1078 SUBMITTAL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-364

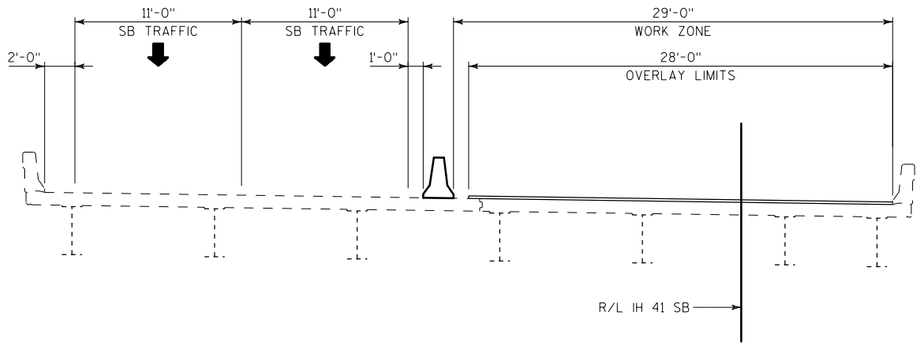
DRAWN BY TEK | PLANS CK'D. EKM

TYPICAL SECTION, GENERAL NOTES AND QUANTITIES

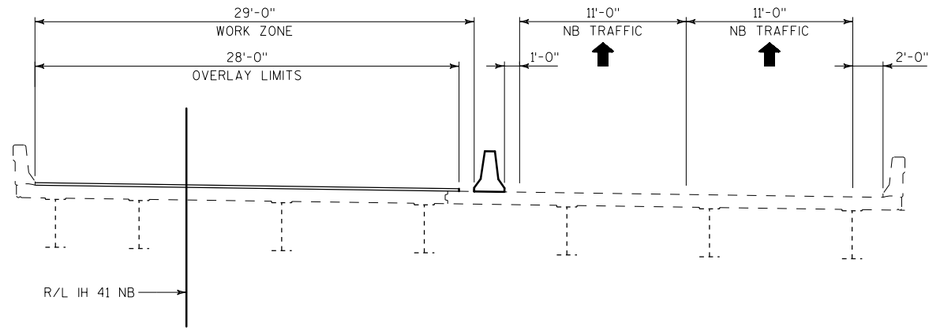
SHEET 2 OF 3

PRE_163

STATE PROJECT NUMBER
1100-20-71

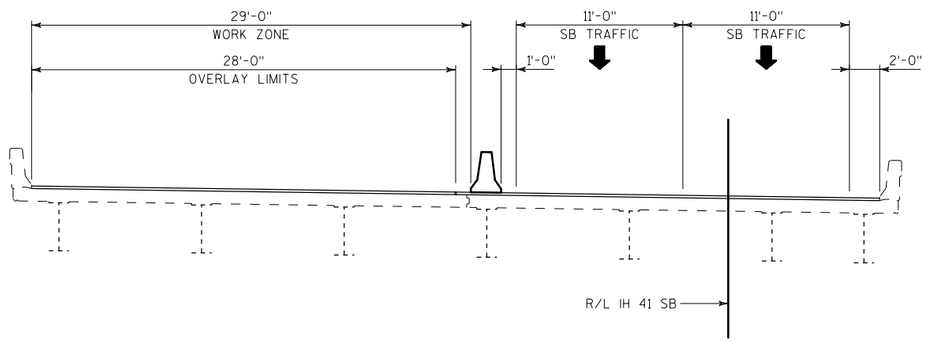


B-40-363

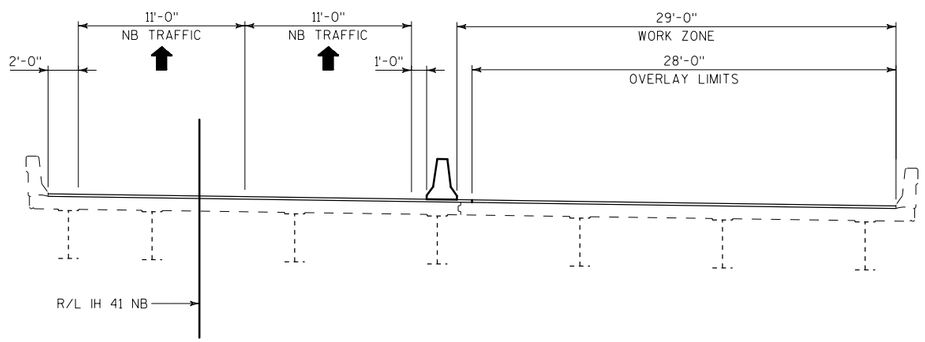


B-40-364

CROSS SECTION THRU ROADWAY
PHASE 2
(LOOKING NORTH)



B-40-363



B-40-364

CROSS SECTION THRU ROADWAY
PHASE 1
(LOOKING NORTH)

NOTES

PHASE NUMBERS FOR STRUCTURE WORK DO NOT MATCH ROADWAY STAGING PLAN NUMBERING.

SEE ROADWAY PLANS FOR COMPLETE PROJECT STAGING DETAILS.

1078 SUBMITTAL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-364

DRAWN BY	TEK	PLANS CK'D.	EKM

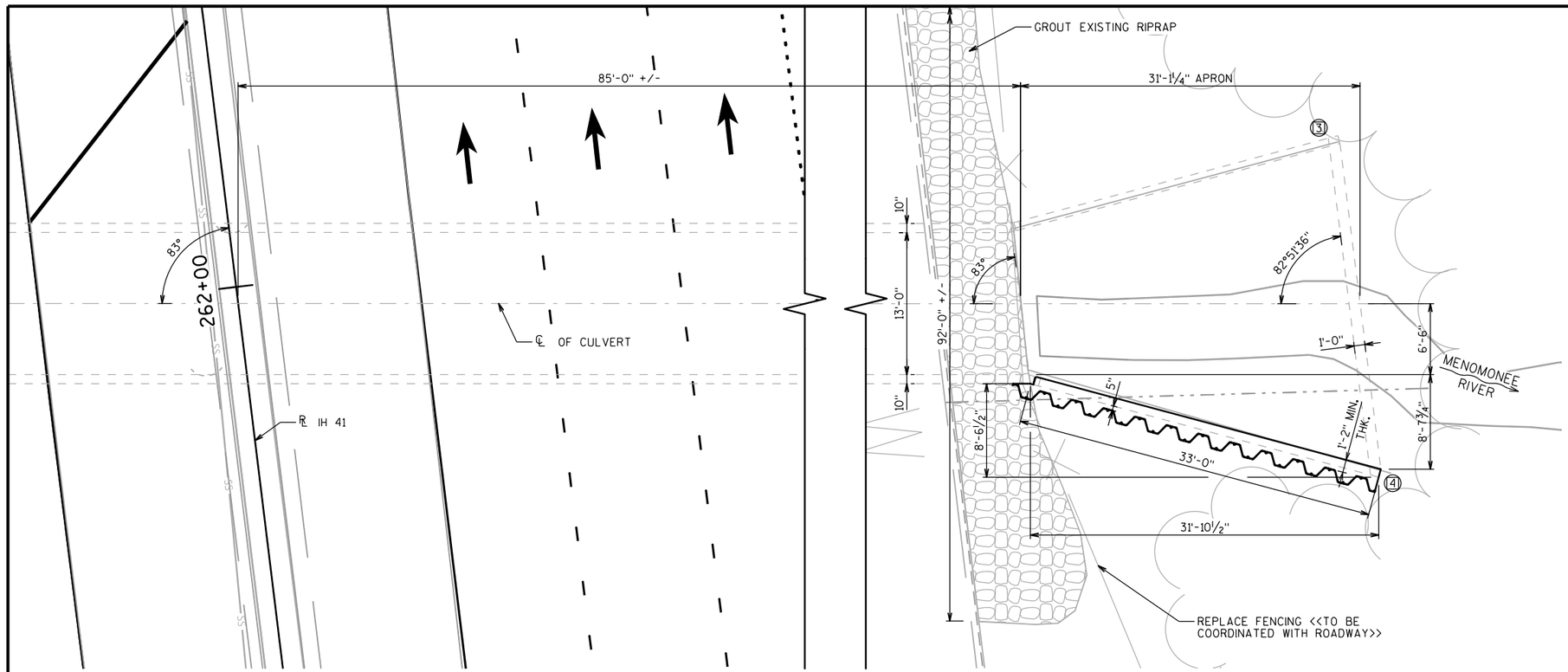
CONSTRUCTION STAGING

SHEET 3 OF 3

PRE_164

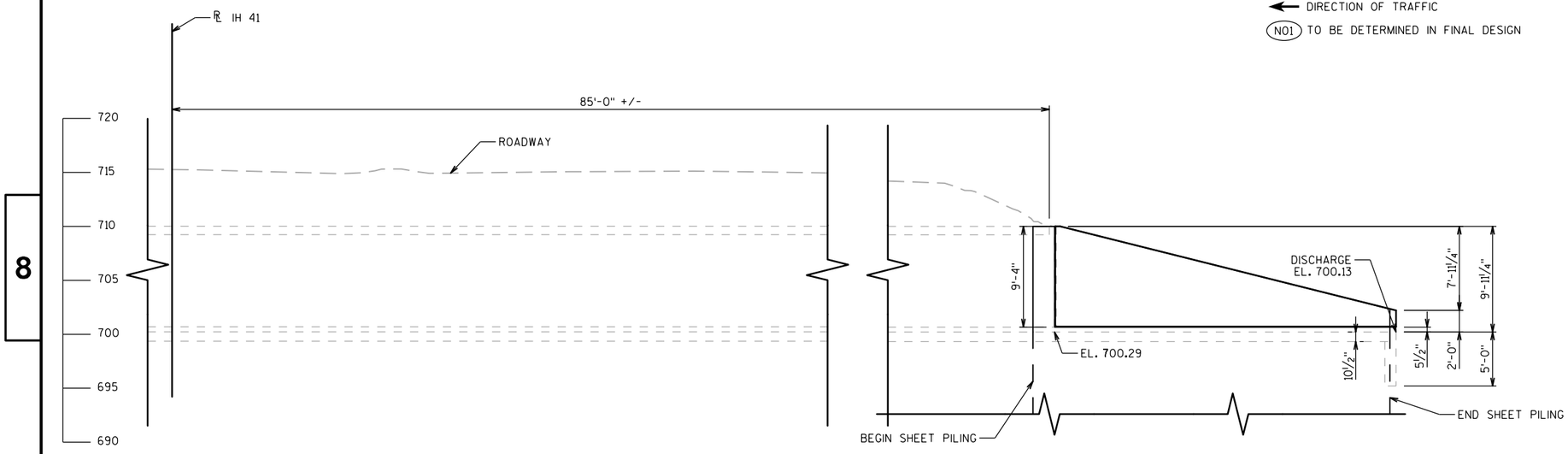
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PLAN

SOUTHEAST WINGWALL



SOUTHEAST SECTION

(LOOKING NORTH- NORMAL TO BOX AND ALONG SOUTH WINGWALL FACES)

LEGEND

- ③ WINGWALL NUMBER
- ← DIRECTION OF TRAFFIC
- (NO1) TO BE DETERMINED IN FINAL DESIGN

STATE PROJECT NUMBER

1100-20-71

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. GENERAL NOTES & QUANTITIES
3. SHEET PILING & CONCRETE FACING DETAILS
4. WING STRAPPING

DESIGN DATA

DESIGN IS IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 9TH EDITION, 2020 WITH ALL INTERIM REVISIONS, UNLESS OTHERWISE NOTED.

MATERIAL PROPERTIES:

	STEEL SHEET PILING (ASTM A328)	Fy = 39,000 PSI
	CONCRETE MASONRY CULVERTS	f'c = 3,500 PSI
	BAR STEEL REINFORCEMENT	fy = 60,000 PSI
(NO1)	MINIMUM SHEET PILE SECTION MODULUS	Sx = XX.X IN^3/FT
(NO1)	MINIMUM SHEET PILE SECTION DEPTH	X"

TRAFFIC DATA

IH 41 NB & SB

EXISTING A.D.T. (2019) = 149,000
FUTURE A.D.T. (2040) = 169,300
R.D.S. = 60 MPH

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
AARON BONK (608) 261-0261
CONSULTANT:
HEATHER ANDERS (414) 410-6899

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY

HNTB
250 E. WISCONSIN AVE. #2000
MILWAUKEE, WI 53202
(414) 359-2300

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE C-40-47

USH 45 OVER DRAINAGE TO MENOMONEE RIVER

COUNTY	CITY
MILWAUKEE	WAUWATOSA

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
NNM	EAJ	NNM	EAJ

GENERAL PLAN & ELEVATION

SHEET 1 OF 4

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1078 SUBMITTAL

PRE_165

FILE NAME : \\milw00\ingrproj\79555\b1\1100-20-71\C-40-047\cds\C047_080101_gp.dgn

PLOT DATE : 9/3/2021 4:09:09 PM PLOT BY : HAnders

PLOT SCALE : 12:1

STATE PROJECT NUMBER
1100-20-71

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS SHOWN OR NOTED OTHERWISE.

ALL BAR STEEL REINFORCEMENT WITHIN CAST-IN-PLACE CONCRETE IS TO BE EPOXY COATED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFY THE BAR SIZE. ALL BAR STEEL REINFORCEMENT ARE ENGLISH DESIGNATION.

THESE PLANS ARE FOR REPLACING EXISTING WINGWALL WITH A SHEET PILE WINGWALL WITH CAST-IN-PLACE CONCRETE FACING AND STRAPPING THE OTHER THREE EXISTING WINGWALLS.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), MILWAUKEE COUNTY, NAD 83 (2011). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2012)

THE PROPOSED WINGWALL WILL REPLACE EXISTING STRUCTURE C-40-47 SOUTHEAST WINGWALL. EXISTING STRUCTURE C-40-47 IS A SINLE CELL BOX CULVERT STRUCTURE 14'-8" WIDE x 175'-0" LONG.

MINOR GRADING WILL BE INCLUDED WITH SHEET PILE DRIVING.

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

EXISTING STRUCTURE DIMENSIONS SHOWN ARE BASED UPON EXISTING 1966 STRUCTURE PLANS.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES CULVERTS C-40-47" SHALL BE THE EXISTING GROUNDLINE.

GROUT EXISTING RIPRAP ABOVE EAST END OF CULVERT. SEE "GENERAL PLAN & ELEVATION" SHEET FOR APPROXIMATE LIMITS. <<FURTHER COORDINATION NEEDED IN FINAL DESIGN>>

REPAIR SPALLING IN NORTH AND SOUTH WALLS AROUND PIPE INLETS. TO BE PAID FOR AS "CONCRETE SURFACE REPAIR". <<FURTHER COORDINATION NEEDED IN FINAL DESIGN>>

ALL CONCRETE REMOVAL NOT COVERED WITH A CONCRETE OVERLAY SHALL BE DEFINED BY A 1-INCH DEEP SAW CUT, UNLESS SPECIFIED OTHERWISE.

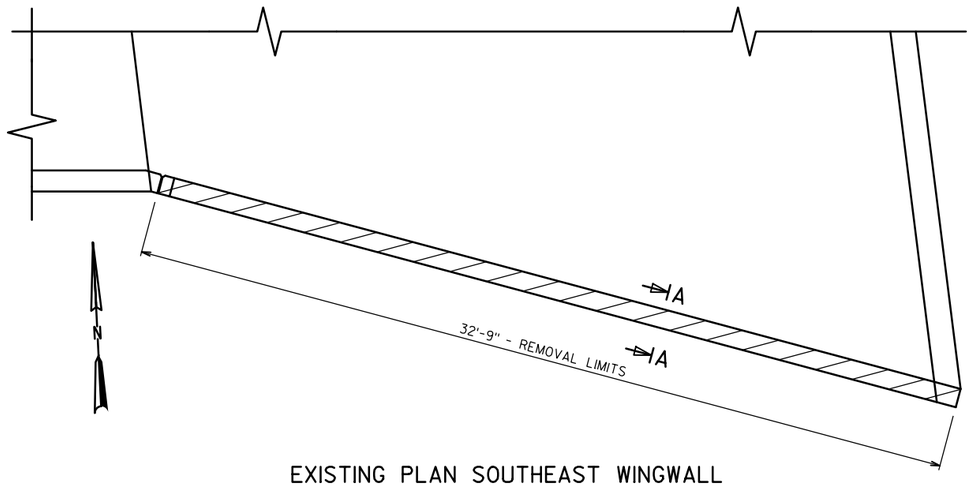
UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.

THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS. NAME PLATE TO SHOW ORIGINAL CONSTRUCTION YEAR. <<FURTHER COORDINATION NEEDED IN FINAL DESIGN>>

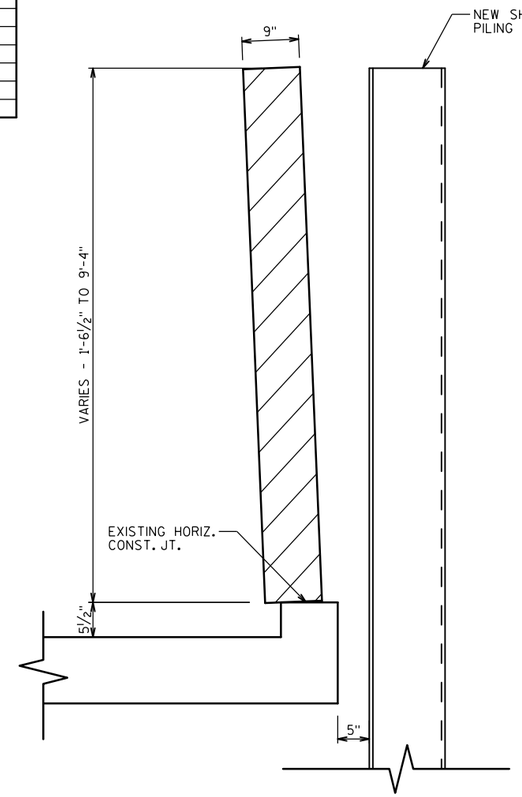
TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	TOTAL
203.0220.XXXX	REMOVING STRUCTURE C-40-47	EACH	--
206.2000.XXXX	EXCAVATION FOR STRUCTURES CULVERTS C-40-47	LS	--
504.0100	CONCRETE MASONRY CULVERTS	CY	--
504.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	--
506.3008	WELDED STUD SHEAR CONNECTOR 5/8 X 5-INCH	EACH	--
509.1500	CONCRETE SURFACE REPAIR <<FURTHER COORDINATION NEEDED>>	SF	--
512.0500	PILING STEEL SHEET PERMANENT DELIVERED	SF	--
512.0600	PILING STEEL SHEET PERMANENT DRIVEN	SF	--
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	--
SPV.0060.XXXX	STRAPPING C-40-47	EACH	--
SPV.0105.XXXX	GROUTING EXISTING RIPRAP <<FURTHER COORDINATION NEEDED>>	SF	--
	NON-BID ITEMS		
	PREFORMED FILLER	SIZE	3/4", 1"
	NAME PLATE <<FURTHER COORDINATION NEEDED>>	EACH	--

ALL ITEMS ARE CATEGORY XXXX



EXISTING PLAN SOUTHEAST WINGWALL



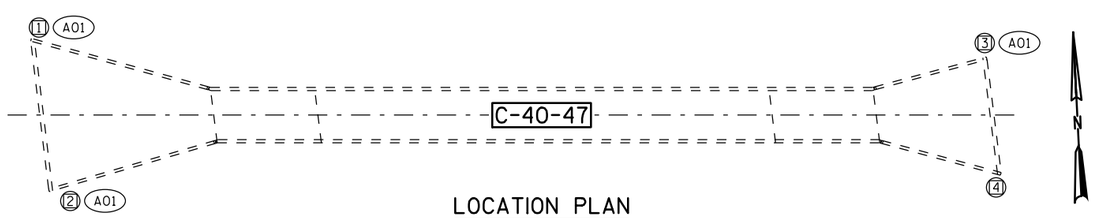
SECTION A-A

THRU SOUTHEAST WINGWALL

WALL ELEVATIONS ◥

LOCATION	TOP OF WALL/ SHEET PILING ELEVATION	MAX. SHEET PILE TIP ELEVATION

◥ LINEARLY INTERPOLATE WALL ELEVATIONS BETWEEN STATIONS.



LOCATION PLAN

A01 WINGWALLS REQUIRING WING STRAPPING. SEE "WING STRAPPING" SHEET FOR DETAILS.

1078 SUBMITTAL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-40-47

DRAWN BY	NNM	PLANS CK'D.	EAJ

GENERAL NOTES & QUANTITIES

SHEET 2 OF 4

PRE_166

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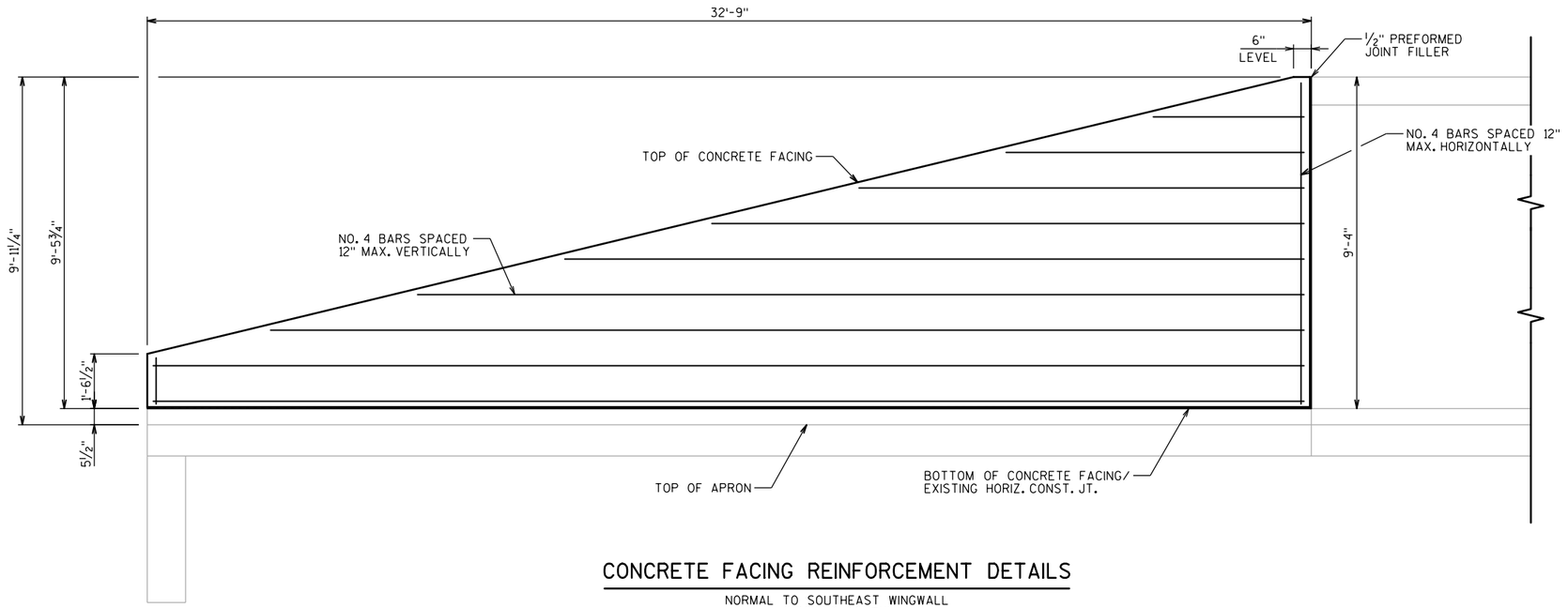
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FILE NAME : \\milw00\ingrproj\79555\b1\1100-20-71\C-40-047\cds\C047_080102_gn.dgn

PLOT DATE : 9/3/2021 4:09:25 PM PLOT BY : HAnders

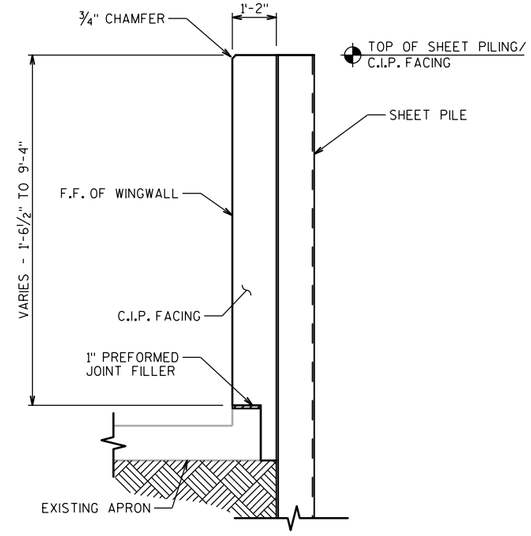
PLOT SCALE : 4:1

STATE PROJECT NUMBER
1100-20-71

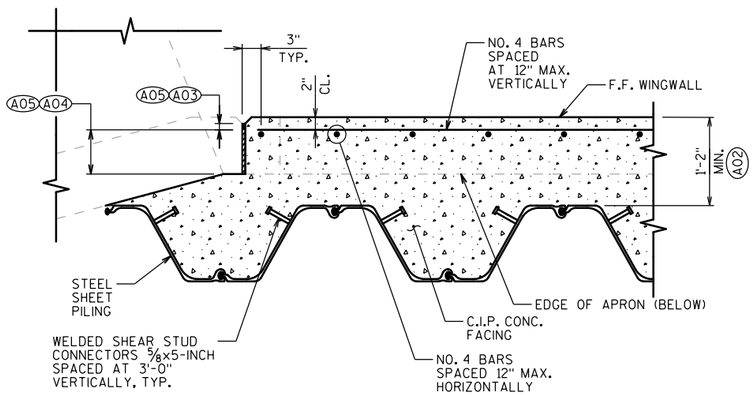


CONCRETE FACING REINFORCEMENT DETAILS

NORMAL TO SOUTHEAST WINGWALL
(LOOKING SOUTH)



TYPICAL SECTION FOR C.I.P. WALL PANEL



CONCRETE FACING DETAILS

LEGEND

(A02) VARY THICKNESS OF CONCRETE FACING AS NECESSARY TO CONSTRUCT FACING PLUMB.

(A03) SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONC.)

(A04) ½" PREFORMED JOINT FILLER (DEPTH OF PANEL MINUS 1")

(A05) FROM TOP OF SHEET PILING TO BOTTOM OF CIP FACING.

F.F. FRONT FACE

C.I.P. CAST IN PLACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-40-47

DRAWN BY NNM | PLANS CK'D. EAJ

SHEET PILING & CONCRETE FACING DETAILS

SHEET 3 OF 4

1078 SUBMITTAL

PRE_167

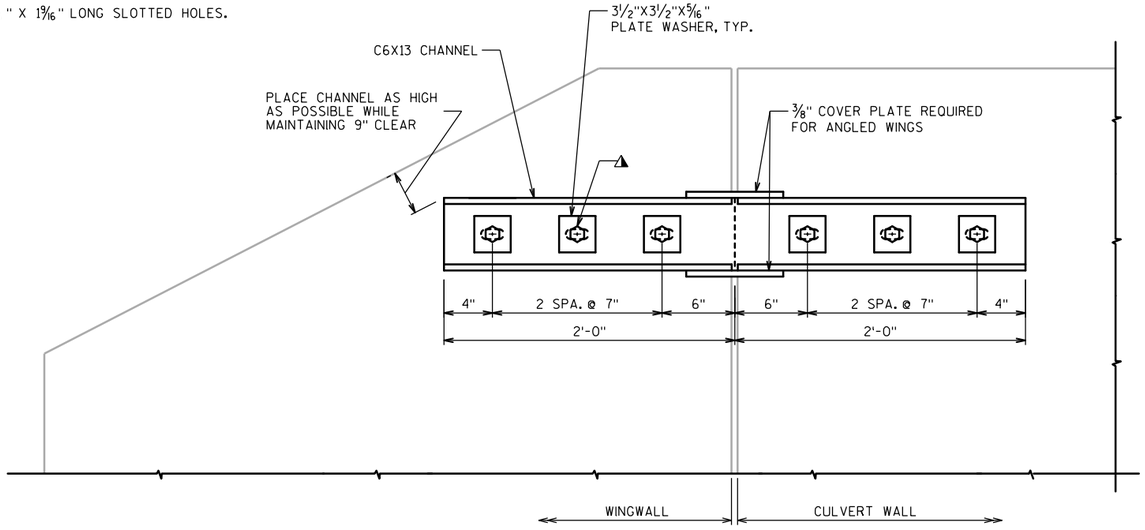
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PLOT DATE : 9/3/2021 4:09:45 PM PLOT BY : HAnders PLOT SCALE : 4:1

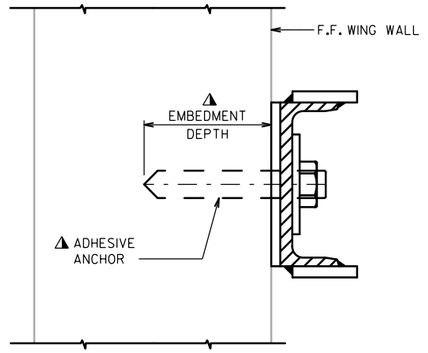
STATE PROJECT NUMBER
1100-20-71

⚠ ADHESIVE ANCHORS 5/8-INCH. EMBED 5" IN CONCRETE. SEE DETAIL "A".

USE 11/16" X 1 9/16" LONG SLOTTED HOLES.

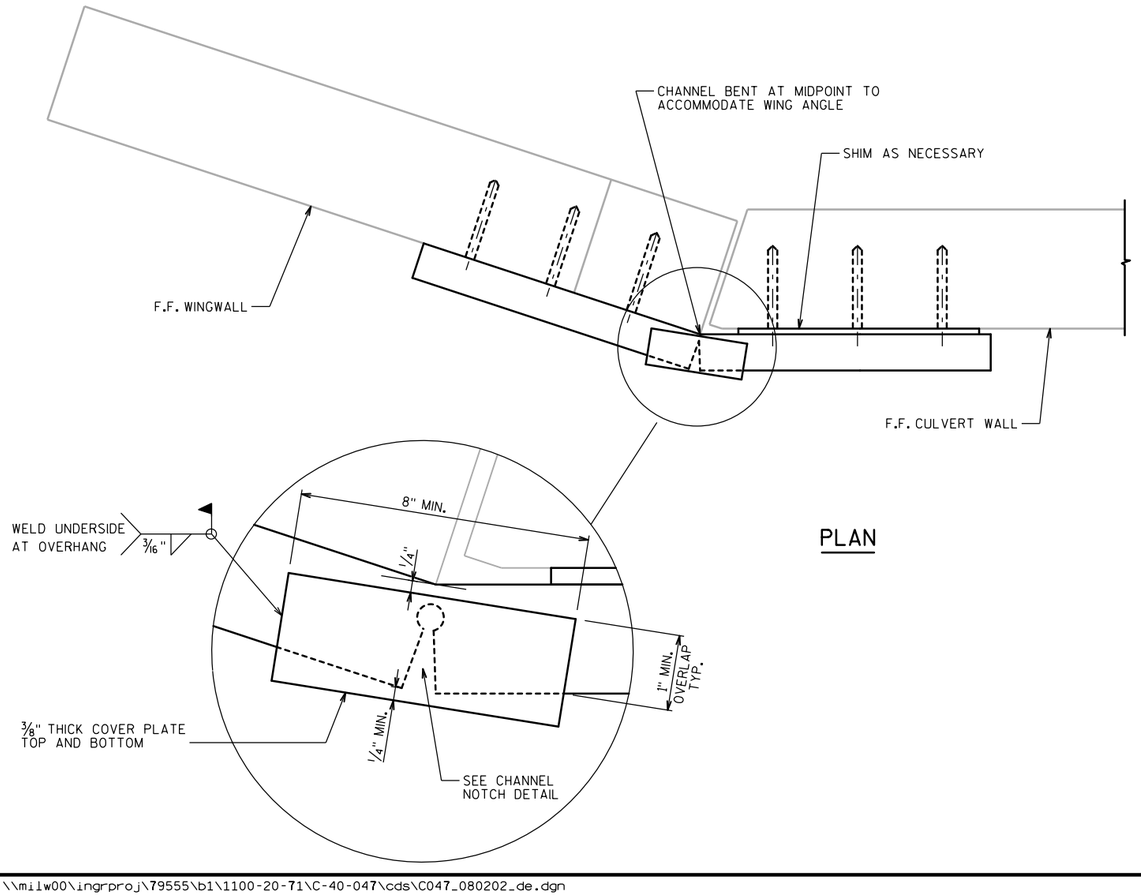


WING ELEVATION



DETAIL "A"

SECTION THRU CHANNEL



PLAN

NOTES

WING STRAPPING DETAIL FOR THE PURPOSE OF MITIGATING INWARD WING TIPPING, AS AN ALTERNATIVE TO THE PREFERRED METHOD OF WING REPLACEMENT.

BID ITEM SHALL BE "STRAPPING C-40-047" WHICH INCLUDES ALL ITEMS SHOWN.

WISDOT REGIONAL BRIDGE MAINTENANCE ENGINEER TO APPROVE USE OF DETAIL PRIOR TO INSTALLATION.

ALL PROVIDED STEEL MATERIAL SHALL CONFORM TO ASTM A36.

ALL STRUCTURAL STEEL SHOWN SHALL BE GALVANIZED. THREADED RODS, MASONRY ANCHORS, NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C.

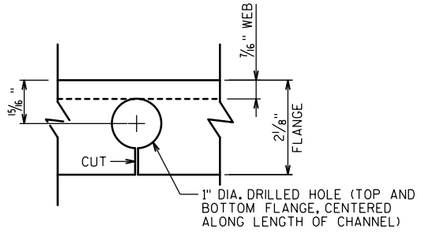
CUTTING AND DRILLING OF CHANNEL SHALL BE DONE IN FABRICATION SHOP, PRIOR TO GALVANIZING.

IF WELDING COVER PLATE IN FIELD, PRIOR TO WELDING, REMOVE GALVANIZING FROM AREA TO BE WELDED. TOUCH UP WITH PAINT ALL AREAS LACKING GALVANIZING WHEN COMPLETE.

CAULK AROUND PERIMETER OF CHANNEL AND FILL PORTION OF HOLE AROUND ANCHOR BOLT AND SHIM WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

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

WINGWALLS 1, 2 & 3 REQUIRE WING STRAPPING. SEE "GENERAL NOTES & QUANTITIES" FOR WINGWALL LOCATIONS.



CHANNEL NOTCH DETAIL

FOR USE WITH ANGLED WINGS ONLY

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-40-47

DRAWN BY NNM | PLANS CK'D. EAJ

WING STRAPPING

SHEET 4 OF 4

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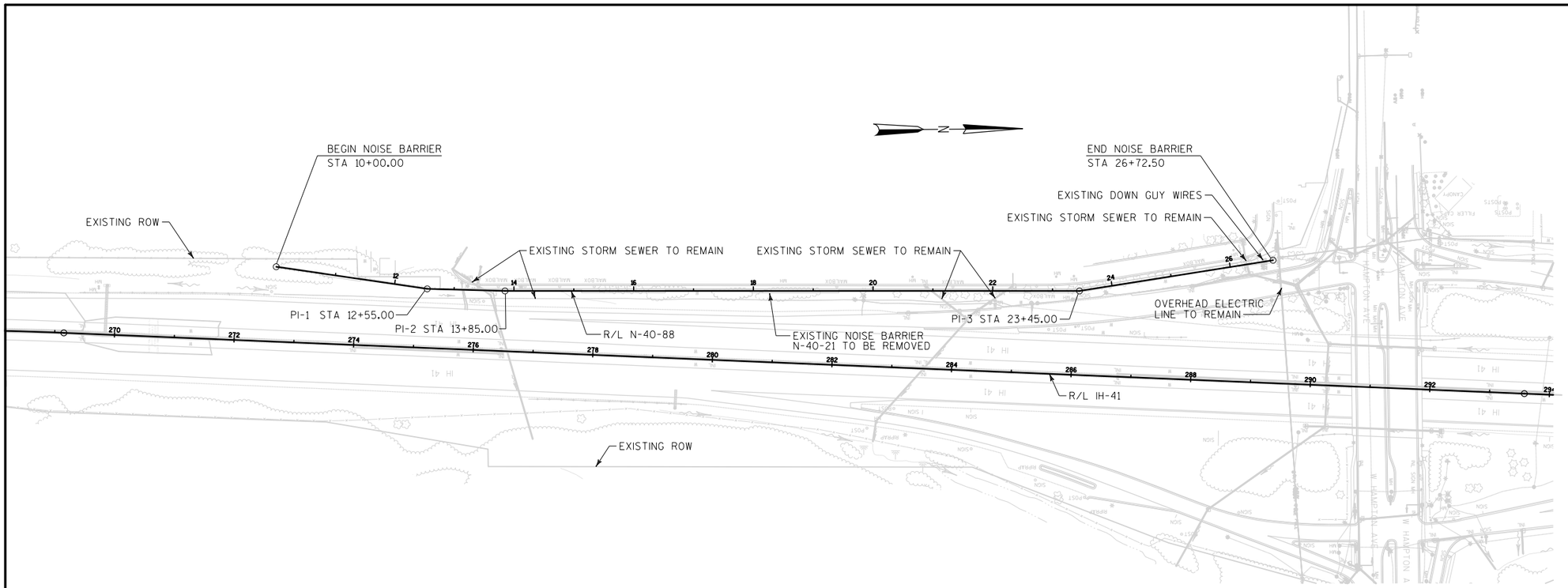
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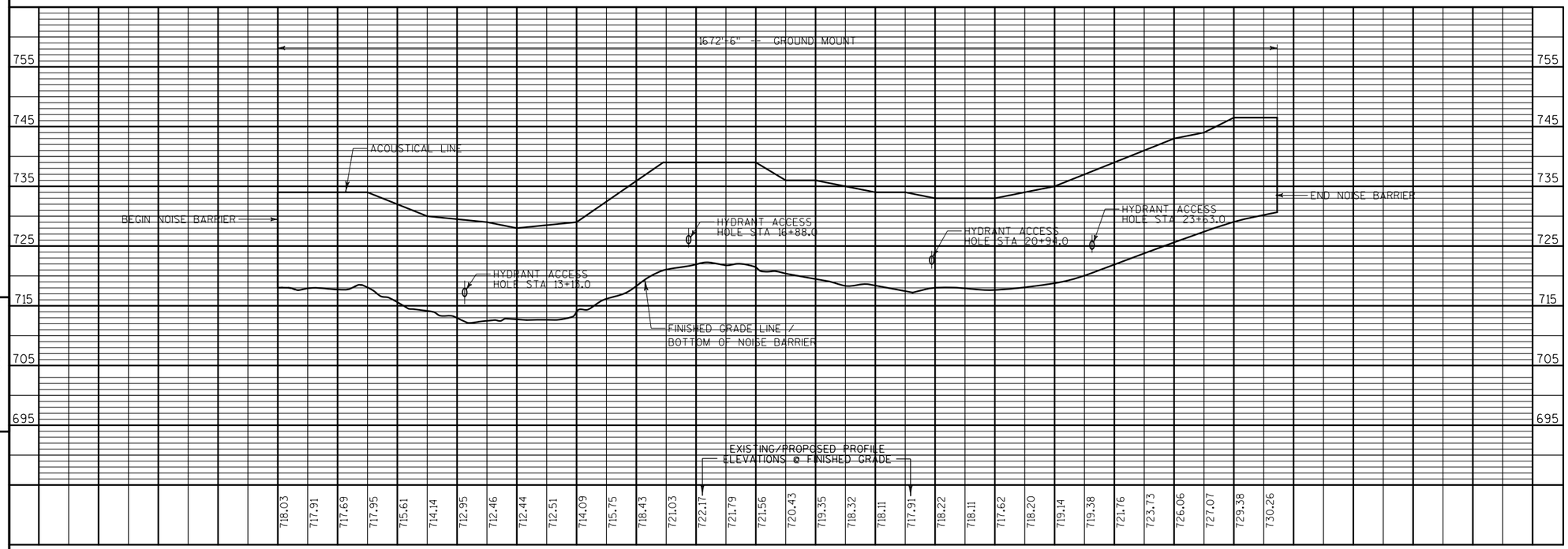
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PLOT DATE : 9/3/2021 4:10:02 PM PLOT BY : HAnders

PLOT SCALE : 2.08333:1

STATE PROJECT NUMBER
1100-20-71





PLAN & PROFILE: NOISE BARRIER N-40-88

1078 SUBMITTAL

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. QUANTITIES & CONSTRUCTION DETAILS
3. ALIGNMENT PLAN
4. AESTHETIC WALL TREATMENT DETAILS RESIDENTIAL SIDE
5. AESTHETIC WALL TREATMENT DETAILS HIGHWAYWAY SIDE
6. EXISTING SOIL BORING INFORMATION

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
AARON BONK (608) 261-0261
CONSULTANT:
STEVE MILLER (414) 272-2426

NO.	DATE	REVISION	BY

Jacobs

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE N-40-88

HAMPTON AVE / IH 41 SB

COUNTY	~~TOWN~~/CITY/~~VILLAGE~~
MILWAUKEE	WAUWATOSA

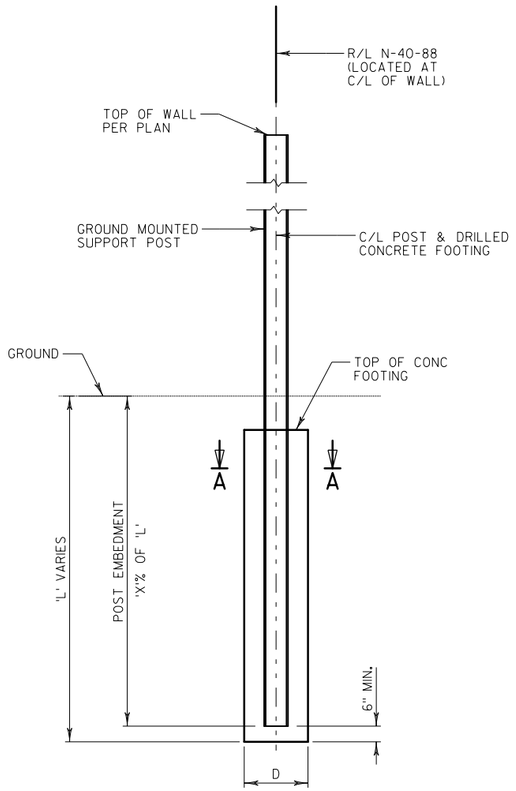
DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
SGM	EKM	TEK	EKM

GENERAL PLAN AND ELEVATION

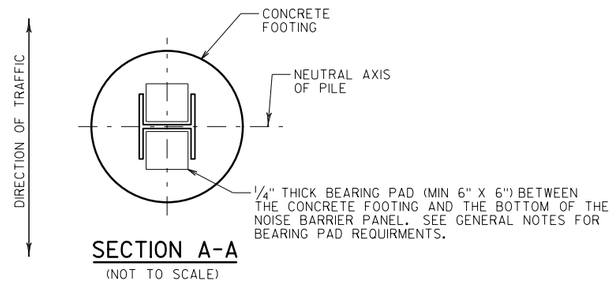
SHEET 1 OF 6

PRE_169



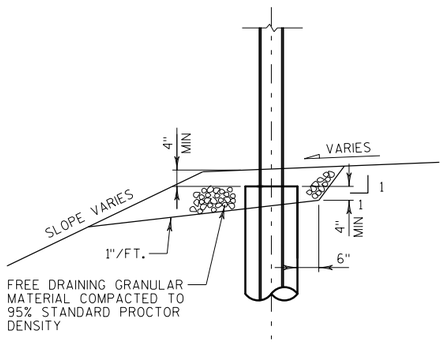
SECTION THRU GROUND MOUNTED POST & DRILLED CONC FOOTING

TYPICAL AT EACH POST LOCATION
(NOT TO SCALE)
('D', 'L' AND 'X' TO BE DETERMINED BY SUPPLIER)



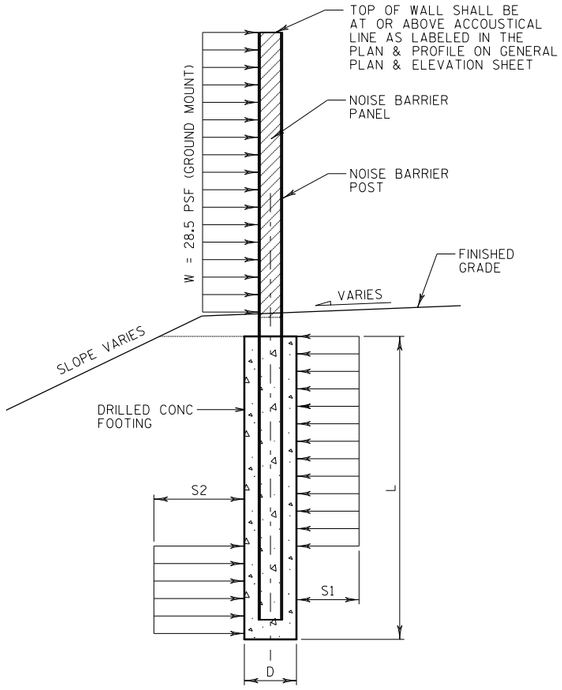
SECTION A-A

(NOT TO SCALE)



POST DRAINAGE BACKFILL DETAIL (SLOPED GRADE)

(NOT TO SCALE)



W = DESIGN WIND LOAD
L = NOISE BARRIER FOUNDATION DEPTH
BELOW EXISTING GROUND
D = NOISE BARRIER FOUNDATION DIAMETER
S = ALLOWABLE SOIL PRESSURE

NOISE BARRIER LOADING DIAGRAM

(NOT TO SCALE)

TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
204.0300.S.0001	REMOVING OLD NOISE BARRIER	LF	1,660
502.6500	PROTECTIVE COATING CLEAR	GAL	XXX
531.0300.S.0001	NOISE BARRIER DOUBLE-SIDED SOUND ABSORPTIVE N-40-88	SF	X,XXX

ALL ITEMS ARE CATEGORY XXXX

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE NOISE BARRIER IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE NOISE BARRIER MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCIDENTAL TO THE BID ITEM "NOISE BARRIER DOUBLE-SIDED SOUND ABSORPTIVE N-40-88.

PLANS, ELEVATIONS AND DETAILS SHOWN ARE INTENDED TO INDICATE LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE NOISE BARRIER IS TO BE DESIGNED USING THE FINISHED GRADE LINE AND THE ACOUSTICAL LINE SHOWN ON THE GENERAL PLAN AND ELEVATION SHEET.

THE ACOUSTICAL LINE IS THE TOP PAY LIMIT FOR THE BID ITEM "NOISE BARRIER DOUBLE-SIDED SOUND ABSORPTIVE N-40-88. NOISE BARRIER PLACED ABOVE THE ACOUSTICAL LINE WILL NOT BE MEASURED FOR PAYMENT.

THE FINISHED GRADE LINE IS THE BOTTOM PAY LIMIT FOR THE BID ITEM "NOISE BARRIER DOUBLE-SIDED SOUND ABSORPTIVE N-40-88. NOISE BARRIER PLACED BELOW THE FINISHED GRADE LINE WILL NOT BE MEASURED FOR PAYMENT.

THE STRUCTURAL AND FOUNDATION DESIGN OF THE NOISE BARRIER SYSTEM SHALL CONFORM TO THE 7TH EDITION OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS.

THE FOLLOWING DESIGN PRESSURES SHALL BE USED IN ACCORDANCE WITH THE SPECIAL PROVISIONS:
28.5 P.S.F. FOR GROUND MOUNTED BARRIERS

REINFORCING STEEL IN THE CONCRETE CORE OF THE NOISE BARRIER PANELS SHALL HAVE A MINIMUM CLEARANCE OF 1 INCH. THE CONCRETE CORE SHALL BE DESIGNED TO RESIST THE LOADS WITHOUT CONSIDERING ANY COMPOSITE ACTION FROM OTHER MATERIAL IN THE PANEL.

BOTTOM NOISE BARRIER PANELS SHALL BE DESIGNED TO SUPPORT THE DEAD LOAD (WEIGHT) OF THE PANELS DIRECTLY ABOVE IT AND ITS OWN DEAD LOAD. THE DEAD LOAD SHALL BE DISTRIBUTED UNIFORMLY ASSUMING SIMPLE BEAM ACTION WITH SUPPORTS AT THE POSTS. BOTTOM PANELS SHALL HAVE A MINIMUM AMOUND OF PERIMETER REINFORCMENT OF A #4 BAR WHICH SHALL BE CONTINUOUS AROUND THE CORNERS.

A COMPRESSIBLE BEARING PAD OF 1/4" THICK SHALL BE PROVIDED BETWEEN THE FOUNDATION AND THE BOTTOM PANELS. THE BEARING PADS SHALL BE PREFORMED EPDM RUBBER CONFORMING TO ASTM D-2000, GRADE 2, TYPE A, CLASS A WITH A MINIMUM DUROMETER HARDNESS OF 80. BEARING PADS SHALL BE INCIDENTAL TO THE BID ITEM "NOISE BARRIER DOUBLE-SIDED SOUND ABSORPTIVE N-40-88."

PRECAST CONCRETE PEDESTALS PLACED BETWEEN THE FOUNDATION AND BOTTOM PANELS SHALL BE REINFORCED IF OVER 1'-0" HIGH.

INCLUDE THE COST OF THE STONE PATTERN SURFACE TREATMENT, REVEALS, COATING OF STEEL POSTS AND CONNECTIONS, AND COLORING/STAINING THE PANELS, UNDER THE BID ITEM "NOISE BARRIER DOUBLE-SIDED SOUND ABSORPTIVE N-40-88."

LOCATE HYDRANT ACCESS HOLES IN NOISE BARRIERS WITH COVER SIGNS AT LOCATIONS SHOWN ON THE GENERAL PLAN & ELEVATION SHEET. PROVIDING HYDRANT ACCESS HOLES IS IINCIDENTAL TO THE BID ITEM "NOISE BARRIER DOUBLE-SIDED SOUND ABSORPTIVE N-40-88."

INSTALL FREE DRAINING GRANULAR MATERIAL AT THE BOTTOM OF NOISE BARRIERS AS SHOWN IN THE NOISE BARRIER PLANS. FREE DRAINING GRANULAR MATERIAL IS INCIDENTAL TO THE BID ITEM "NOISE BARRIER DOUBLE-SIDED SOUND ABSORPTIVE N-40-88."

ALL CONCRETE MASONRY FOR NOISE BARRIER FOUNDATIONS IS SUBJECT TO THE OMP REQUIREMENTS FOR CLASS II ANCILLARY CONCRETE. PERFORM OMP TESTING OF CONCRETE MASONRY FOR NOISE BARRIER FOUNDATIONS IN ACCORDANCE WITH SECTION 716 OF THE STANDARD SPECIFICATIONS FOR CLASS II ANCILLARY CONCRETE. OMP TESTING IS INCIDENTAL TO THE BID ITEM "NOISE BARRIER DOUBLE-SIDED SOUND ABSORPTIVE N-40-88."

STATE PROJECT NUMBER

1100-20-71

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE N-40-88

DRAWN BY GLM | PLANS CK'D. EKM

QUANTITIES & CONSTRUCTION DETAILS

SHEET 2 OF 6

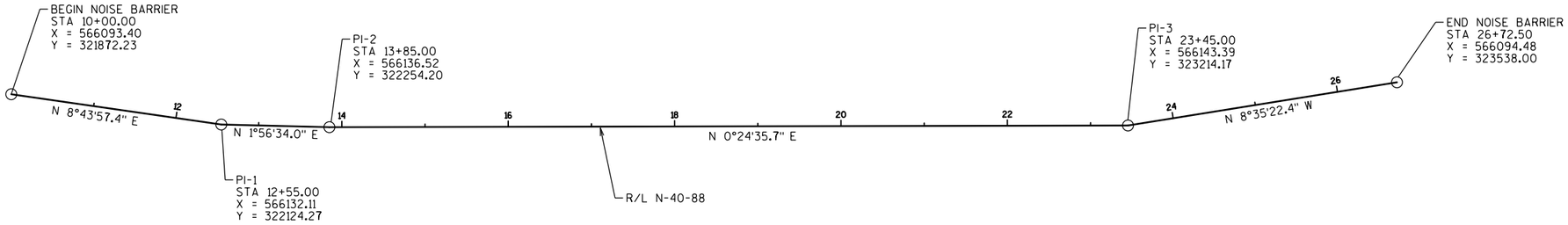
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STATE PROJECT NUMBER
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ALIGNMENT PLAN

8

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE N-40-88

DRAWN BY	GLM	PLANS CK'D.	EKM

ALIGNMENT PLAN

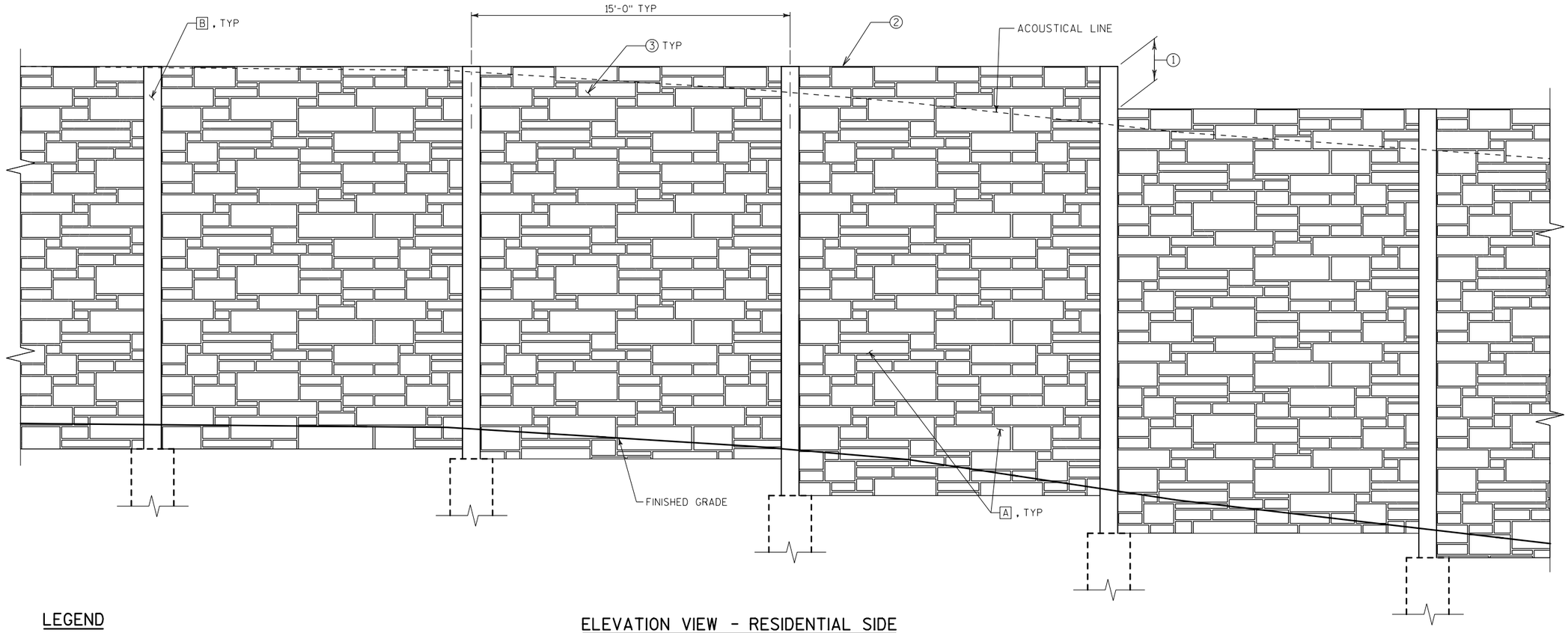
SHEET 3 OF 6

PRE_171

1078 SUBMITTAL

FILE NAME : N88_080103_aL.dgn PLOT DATE : 20-SEP-2021 PLOT BY : emccrigh N88_080103_aL PLOT SCALE : 160:1

STATE PROJECT NUMBER
1100-20-71



ELEVATION VIEW - RESIDENTIAL SIDE

LEGEND

A BASE COLOR

B ACCENT COLOR NO. 1

1. STEP PANELS IN INCREMENTS OF 2'-0". STEP INCREMENTS LESS THAN 2'-0" SHALL NOT BE PERMITTED UNLESS APPROVED BY THE ENGINEER.
2. ADJUST VERTICAL PLACEMENT OF PANELS TO MAXIMIZE HORIZONTAL RUNS, KEEPING THE TOP OF PANELS AT THE SAME ELEVATION.
3. THE RESIDENTIAL SIDE WALL PATTERN SHALL BE A "TOLLWAY ASHLAR" PATTERN. THE PATTERN SHALL CONSIST OF RANDOM SIZED PIECES RANGING FROM A MINIMUM OF 3" HIGH BY 6" LONG TO A MAXIMUM OF 14" HIGH BY 27" LONG WITH A MAXIMUM RELIEF 1½".

STAIN COLORS

THE FINAL COLORING OF THE NOISE BARRIER FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE FEDERAL STANDARD COLOR SYSTEM LISTED BELOW:

BASE COLOR - 33564
ACCENT COLOR NO. 1 - 33448

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE N-40-88

DRAWN BY GLM | PLANS CK'D. EKM

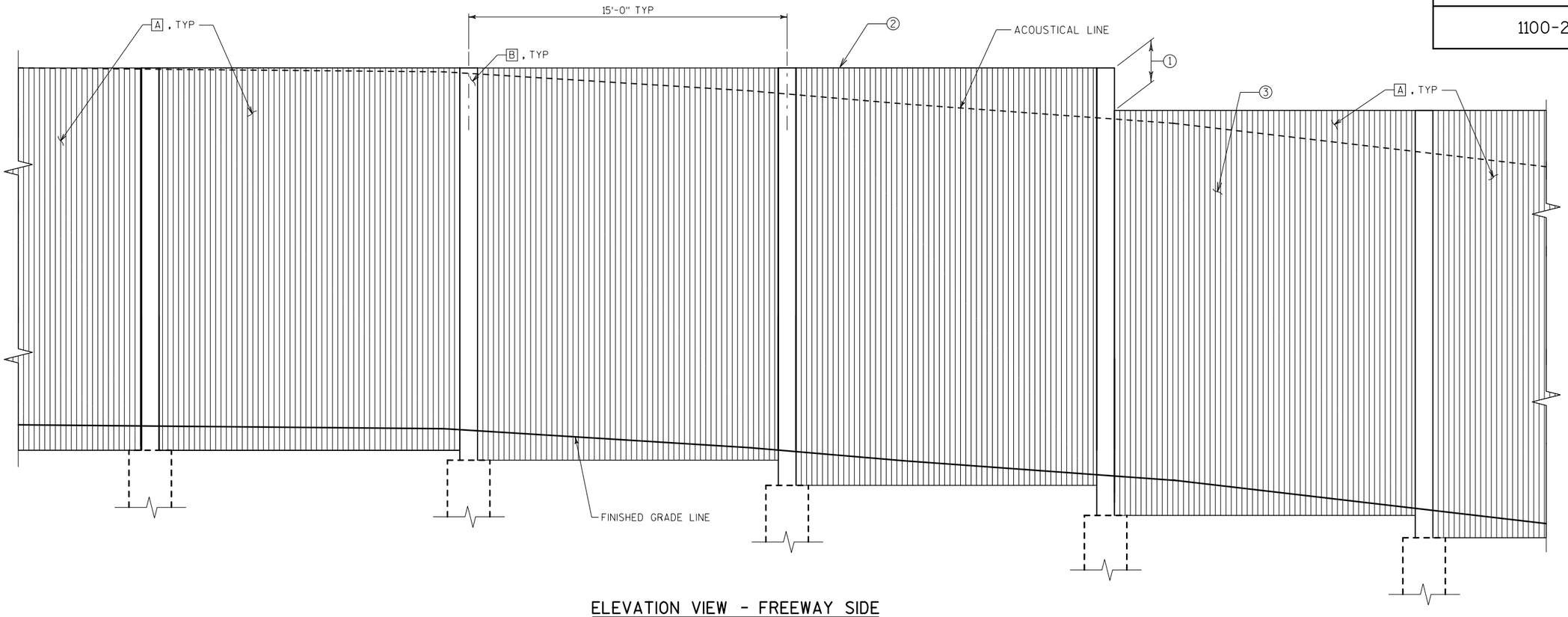
AESTHETIC WALL TREATMENT DETAILS RESIDENTIAL SIDE

SHEET 4 OF 6

PRE_172

1078 SUBMITTAL

STATE PROJECT NUMBER
1100-20-71



ELEVATION VIEW - FREEWAY SIDE

LEGEND

A BASE COLOR

B ACCENT COLOR NO. 1

(1) STEP PANELS IN INCREMENTS OF 2'-0". STEP INCREMENTS LESS THAN 2'-0" SHALL NOT BE PERMITTED UNLESS APPROVED BY THE ENGINEER.

(2) ADJUST VERTICAL PLACEMENT OF PANELS TO MAXIMIZE HORIZONTAL RUNS, KEEPING THE TOP OF PANELS AT THE SAME ELEVATION.

(3) THE HIGHWAY SIDE WALL PATTERN SHALL BE A "FLUTED RIB" PATTERN. THE PATTERN SHALL HAVE A MAXIMUM DEPTH OF 1".

STAIN COLORS

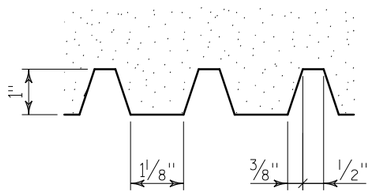
THE FINAL COLORING OF THE NOISE BARRIER FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE FEDERAL STANDARD COLOR SYSTEM LISTED BELOW:

BASE COLOR - 33564

ACCENT COLOR NO. 1 - 33448

NOTES

EXTEND ALL RIBBING PATTERNS TO 1'-0" BELOW FINISHED GRADE LINE



1" DEEP RIBBING SECTION

1078 SUBMITTAL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE N-40-88

DRAWN BY GLM | PLANS CK'D. EKM

AESTHETIC WALL TREATMENT DETAILS HIGHWAY SIDE

SHEET 5 OF 6

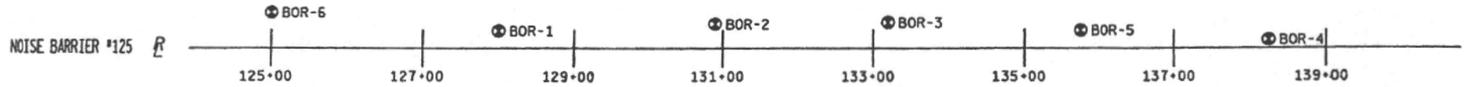
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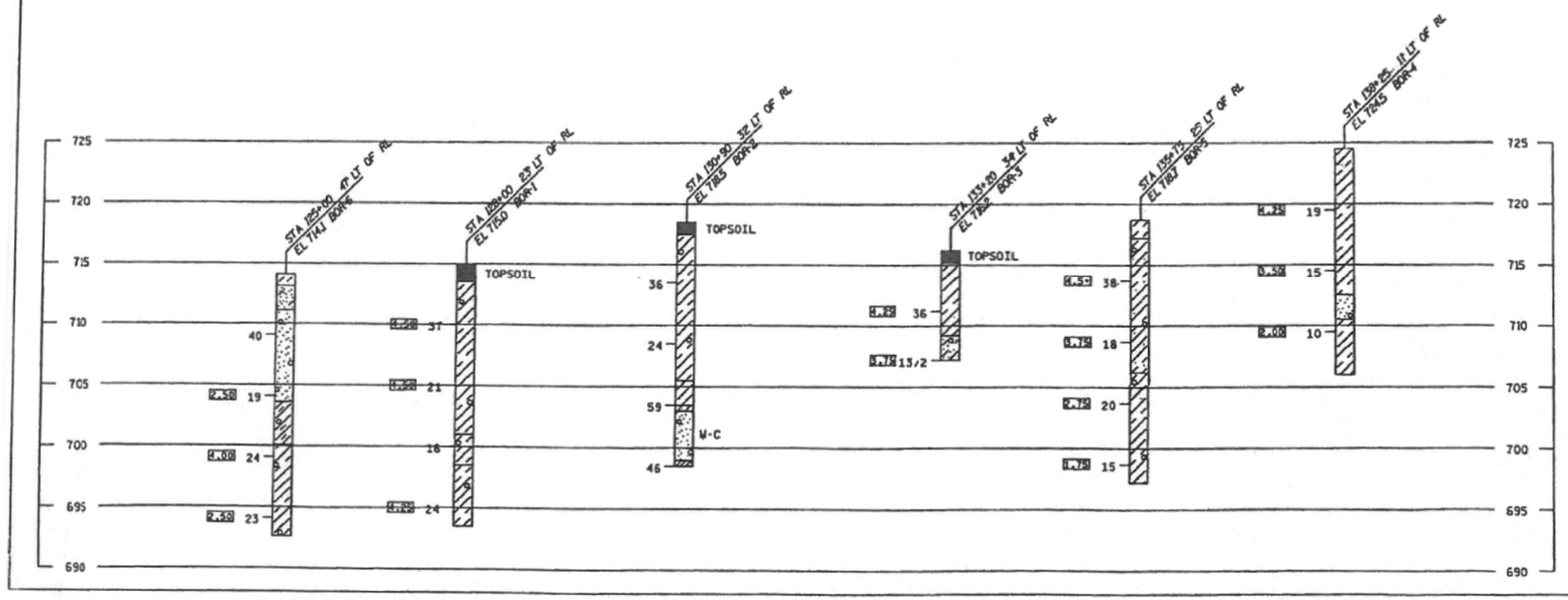
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FILE NAME : N88_080105_ae.dgn PLOT DATE : 20-SEP-2021 PLOT BY : emccrigh N88_080105_ae PLOT SCALE : 5.333333:1

NOISE BARRIER #125, CITY OF WAUWATOSA, MILWAUKEE CO.





STATE PROJECT NUMBER	SHEET NO.
1100-01-84	8.1

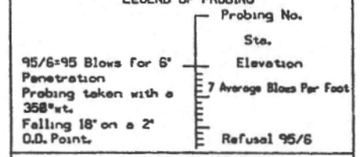
ABBREVIATIONS

F—Fine M—Medium C—Coarse
Ws—Weathered So—Sound

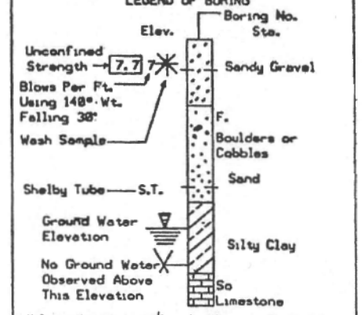
MATERIAL SYMBOLS

Topsoil, Silt, Sandstone
Sand, Peat, Limestone
Gravel, Clay, Igneous Rock

LEGEND OF PROBING



LEGEND OF BORING



Unless otherwise specified, the blows per foot at the locations indicated are based on driving a O.D.x1.4" I.D. split spoon sampler with a 140# hammer having a free fall of 30". The blow count is taken in undisturbed soil immediately below a cased or open hole eliminating side friction on the drive pipe.

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

To obtain relative data concerning the character of material in and upon which the foundation might be built, borings and/or soundings were made at points approximately as indicated on this drawing. The data presented herein represents the findings of the subsurface explorations made. However, because the depths investigated are limited and the area of the borings and/or soundings is very small in relation to the entire area, the Division of Highways does not warrant conditions below the depths investigated or that the classification of material encountered in these investigations is necessarily typical of the entire site.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

STRUCTURE SN-40-21

CONST. SPEC. 1986	DRAWN BY JAR	PLANS CK'D.

SUBSURFACE EXPLORATION — SHEET 2 OF 4 — X

STATE PROJECT NUMBER
1100-20-71

NOTES

EXISTING SOIL BORINGS FROM THE ORIGINAL PLAN SET OF SN-40-21

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE N-40-88

DRAWN BY GLM	PLANS CK'D. EKM

EXISTING SOIL BORING INFORMATION — SHEET 6 OF 6

PRE_174

1078 SUBMITTAL

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FILE NAME : N88_080106_se.dgn PLOT DATE : 27-SEP-2021 PLOT BY : emccrigh N88_080106_se PLOT SCALE : 5.333333:1

DESIGN DATA

DESIGNED ACCORDING TO THE AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 1ST EDITION AND INTERIM SPECIFICATIONS, AND THE WISDOT BRIDGE MANUAL

FOUNDATION DESIGNED ACCORDING TO THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION.

DEAD LOAD: WT. OF SIGN AND SUPPORTING STRUCTURE.
ICE LOAD: 3 PSF TO ONE FACE OF SIGN & SURFACE OF MEMBERS.
WIND PRESSURE: 115 MPH (3-SEC. GUST SPEED) TO SIGN AREA & EXPOSED MEMBERS. (700 YEAR MEAN RECURRENCE INTERVAL)

WIND COMPONENTS	NORMAL	TRANSVERSE
LOAD CASE 1:	1.00	0.00
LOAD CASE 2:	0.00	1.00
LOAD CASE 3:	0.75	0.75

LOAD COMBINATIONS

STRENGTH I:	1.25 DC + 1.6 LL
EXTREME I:	(MAX DC): 1.1 DC + 1.0 W + 1.0 ICE
EXTREME I:	(MIN DC): 0.9 DC + 1.0 W
SERVICE I:	1.0 DC + 1.0 W
FATIGUE I:	1.0 NWG (NATURAL WIND GUST VIBRATION)
	1.0 TRG (TRUCK INDUCED GUST VIBRATION)

MATERIAL PROPERTIES

CONCRETE MASONRY ——— f'_c = 3,500 PSI

HIGH STRENGTH STEEL REINFORCEMENT, GRADE 60 ——— f_y = 60,000 PSI

STRUCTURAL ANGLES, PLATE AND BARS - ASTM A709 GRADE 36 ——— f_y = 36,000 PSI

CHORDS - ASTM A500 GRADE C ——— f_y = 46,000 PSI

COLUMN PIPE - ASTM A500 GRADE C ——— f_y = 46,000 PSI

HIGH STRENGTH BOLTS - A325 ——— f_y = 92,000 PSI

ANCHOR RODS - ASTM F1554 GRADE 55

HEAVY HEX NUTS FOR ANCHOR RODS - ASTM A563A

WASHERS FOR ANCHOR RODS - ASTM F436

FOUNDATION DATA

SIGN STRUCTURE FOUNDATIONS ARE SUPPORTED ON DRILLED SHAFTS THAT HAVE BEEN DESIGNED FOR SITES WHERE SOILS EXHIBIT A PHI-ANGLE GREATER THAN OR EQUAL TO 24° (GRANULAR SOILS), OR A COHESION VALUE GREATER THAN OR EQUAL TO 750 PSF (COHESIVE SOILS) AND A UNIT WEIGHT OF 125 PCF. THE GROUND WATER TABLE FOR DESIGN IS ASSUMED TO BE AT A DEPTH OF 10'-0" BELOW THE GROUND SURFACE, ACTUAL WATER LEVEL AT SITE MAY VARY. THE REGION GEOTECHNICAL ENGINEER SHALL VISUALLY INSPECT THE SUBSURFACE SOILS DURING DRILLING OF THE SHAFT HOLE TO CONFIRM THESE PROPERTIES PRIOR TO PLACEMENT OF THE DRILLED SHAFT CONCRETE.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALTERNATE DESIGNS ARE NOT ALLOWED.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), XXXX COUNTY ZONE, NAD 83 (1997). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2007).

ALL REINFORCING BARS ARE IN ENGLISH UNITS. THE FIRST DIGIT OF A THREE-DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR-DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

SIGN BRIDGE ID PLAQUES SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "TRUSS FULL SPAN 4-CHORD (TYPE)" FOR EACH APPLICABLE SIGN STRUCTURE IN THE PLAN SET. LOCATE THE ID PLAQUE ON THE FREEWAY SIDE OF THE SUPPORT COLUMN SO THAT IT CAN BE SEEN FROM THE ROADWAY. FABRICATE AND INSTALL THE ID PLAQUE IN ACCORDANCE WITH S.D.D. 12 A 4-3.

CATWALKS ARE USED ON 4-CHORD STRUCTURES CARRYING DMS SIGNS. CATWALKS SHALL BE INCIDENTAL TO THE BID ITEM "TRUSS FULL SPAN 4-CHORD (TYPE)" FOR EACH DMS SIGN STRUCTURE IN THE PLAN SET.

UNLESS DETAILED OTHERWISE IN THE PLANS, ALL H.S. BOLTED CONNECTIONS SHALL BE MADE WITH ¾" DIA A325 GALVANIZED BOLTS. FIELD CONNECTIONS SHALL BE INSTALLED WITH DTI WASHERS.

WELDED CONNECTIONS CAN BE USED IN LIEU OF BOLTED CONNECTIONS, IF A TRUSS UNIT CAN BE GALVANIZED IN ONE PIECE.

WELD TEST AS PER AWS D1.1.

SEE SIGN PLATE NO. A4-6, A4-7A & A4-7B OF THE SIGN PLATE MANUAL FOR INSTRUCTIONS ON CENTERING SIGNS VERTICALLY ON THE TRUSS.

SIGNS OR BLANKS SHALL BE INSTALLED ON TRUSS AT TIME OF ERECTION. BLANKS SHALL BE 1/4 THE LENGTH OF THE CANTILEVER SPAN, 2'-0" DEEPER THAN THE C/L TO C/L OF CHORDS, AND SHALL BE CENTERED ON THE BRIDGE. SIGNS SHALL BE AS DESIGNATED ON THE PLANS.

THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION OF THE TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS PER THE REQUIREMENTS IN THE STANDARD SPECIFICATIONS PRIOR TO FABRICATION OF THE STRUCTURE. CONTRACTOR SHALL SHOW SIGNS ON THE SHOP DRAWINGS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DRILLING OR EXCAVATING AND MAINTAINING A STABLE AND OPEN HOLE FOR SUBSEQUENT INSTALLATION OF CONCRETE MASONRY FOR THE DRILLED SHAFTS. PARTIAL OR FULL DEPTH TEMPORARY CASING MAY BE REQUIRED TO MAINTAIN THE STABILITY OF THE EXCAVATED HOLE FOR THE SIGN SUPPORT PRIOR TO FILLING THE HOLE WITH CONCRETE. PERMANENT CASING MADE FROM STEEL OR CORRUGATED METAL PIPE MAY BE USED IN LIEU OF TEMPORARY CASING. TEMPORARY/PERMANENT CASING, IF USED, SHALL BE INCIDENTAL TO THE BID ITEM "DRILLING SHAFT (DIA)".

STRUCTURE DESIGN DATA

STRUCTURE ID	SIGN AREA	MAX. DEPTH	DMS WEIGHT	STANDARD DESIGN
S-40-462	234 SF	9'-0"	3,500 LB	TYPE II

STATE PROJECT NUMBER

1100-20-70

TRAFFIC VOLUME

IH 41 NB

A.D.T. (2041) = 169,300
R.D.S. = 60 MPH

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	S-40-462	TOTALS
203.0246.01	REMOVE ANCILLARY STRUCTURE (S-40-400)	EACH	1	1
531.2036	DRILLING SHAFT 36-INCH	LF	88	88
531.6120	FOUNDATION TWO-SHAFT TYPE FF-II	EACH	2	2
532.6120	TRUSS FULL SPAN 4-CHORD TYPE II	EACH	1	1

LIST OF DRAWINGS:

1. GENERAL NOTES & DESIGN DATA
2. LAYOUT S-40-462

LIST OF STANDARD DRAWINGS

3. I. 4-CHORD TRUSS FULL SPAN TRUSS DETAILS
4. II. 4-CHORD TRUSS FULL SPAN COLUMN DETAILS
5. III. 4-CHORD TRUSS FULL SPAN CONNECTIONS 1
6. IV 4-CHORD TRUSS FULL SPAN CONNECTIONS 2
7. V. 4-CHORD TRUSS FULL SPAN CATWALK DETAILS
8. VI. 4-CHORD TRUSS FULL SPAN ELECTRICAL DETAILS
9. VII. 4-CHORD TRUSS FULL SPAN FOUNDATIONS 1
10. VIII. 4-CHORD TRUSS FULL SPAN FOUNDATIONS 2

STRUCTURE DESIGN CONTACTS:

AARON BONK 608-261-0261
STEVEN DOOCY 608-261-6063

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

4-CHORD FULL SPAN TRUSS PLANS

IH-41 ZOO FREEWAY

COUNTY	CITY
MILWAUKEE	WAUWATOSA

DESIGN SPEC.
AASHTO LRFD-LTS1 W/ INTERIM REVISIONS

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
SAD		SAD	

GENERAL NOTES & DESIGN DATA

SHEET 1 OF 11

PRE_175

I.D. 1100-20-00 DATE: JUNE 2021

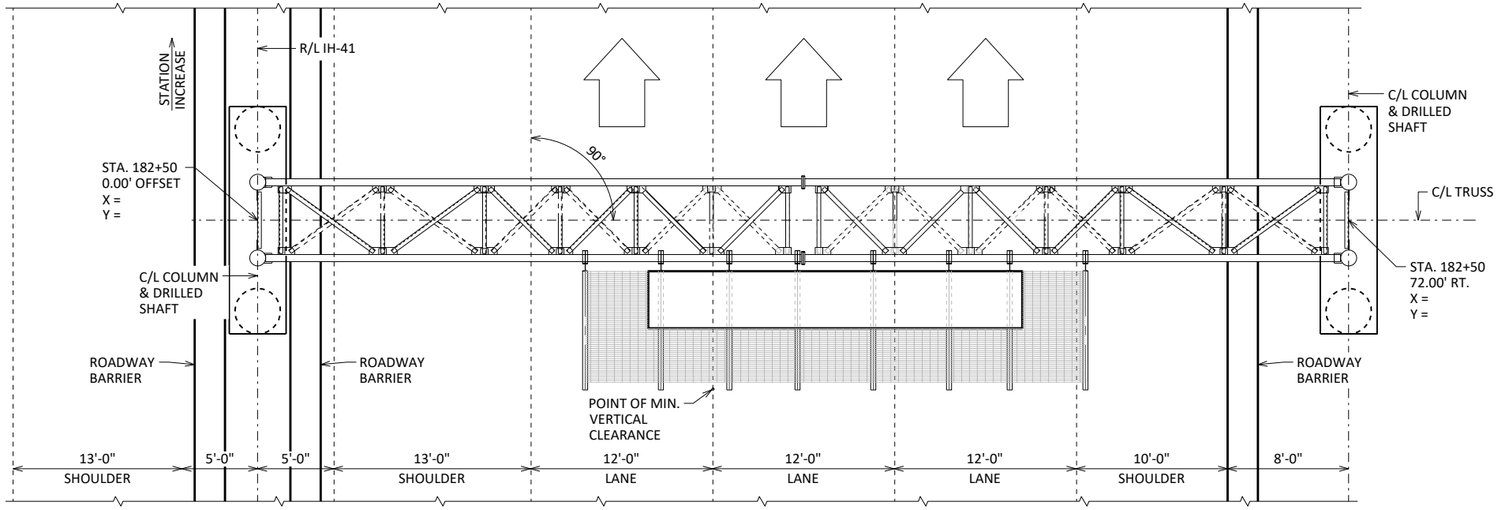
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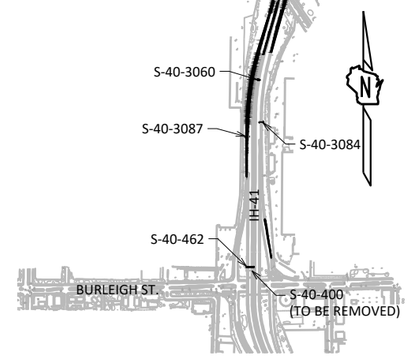
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STATE PROJECT NUMBER

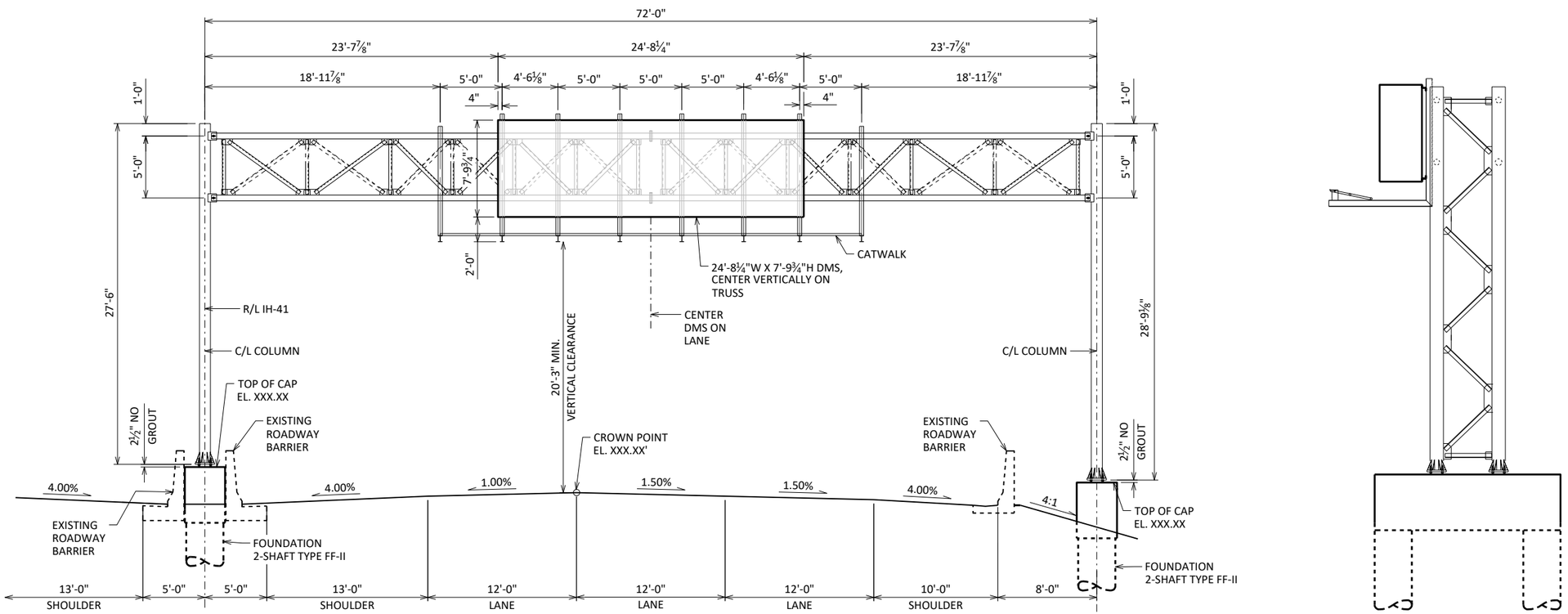
1100-20-70



PLAN



LOCATION MAP



ELEVATION

LOOKING SOUTH AT F.F. OF SIGN
STA. 182+50 IH-41 SB

END VIEW

LOOKING WEST

NOTE

DMS PANEL AND Z-BRACKETS DOT FURNISHED

S-40-400 TO BE REMOVED AFTER S-40-462 IS COMPLETED. S-40-400 IS AN APPROX. 71 FT. STEEL 4-CHORD TRUSS ON 2-CHORD TRUSS COLUMNS AND DRILLED SHAFT WITH CAP FOUNDATIONS.

LEGEND

☆ ELEVATIONS ARE ALONG C/L TRUSS.

(---) SIGN NUMBER, SEE PERMANENT SIGNING PLAN.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE S-40-462

DRAWN BY SAD | PLANS CK'D

GENERAL PLAN & ELEVATION

SHEET 2

PRE_176

8

8

SCALE = 4.00

DESIGN DATA

DESIGNED ACCORDING TO THE AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 1ST EDITION AND INTERIM SPECIFICATIONS, AND THE WISDOT BRIDGE MANUAL

FOUNDATION DESIGNED ACCORDING TO THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION.

DEAD LOAD: WT. OF SIGN AND SUPPORTING STRUCTURE.
ICE LOAD: 3 PSF TO ONE FACE OF SIGN & SURFACE OF MEMBERS.
WIND PRESSURE: 115 MPH (3-SEC. GUST SPEED) TO SIGN AREA & EXPOSED MEMBERS. (700 YEAR MEAN RECURRENCE INTERVAL)

WIND COMPONENTS	NORMAL	TRANSVERSE
LOAD CASE 1:	1.00	0.00
LOAD CASE 2:	0.00	1.00
LOAD CASE 3:	0.75	0.75

LOAD COMBINATIONS

STRENGTH I:	1.25 DC + 1.6 LL
EXTREME I:	(MAX DC): 1.1 DC + 1.0 W + 1.0 ICE
EXTREME I:	(MIN DC): 0.9 DC + 1.0 W
SERVICE I:	1.0 DC + 1.0 W
FATIGUE I:	1.0 NWG (NATURAL WIND GUST VIBRATION)
	1.0 TRG (TRUCK INDUCED GUST VIBRATION)

MATERIAL PROPERTIES

CONCRETE MASONRY ——— f'_c = 3,500 PSI

HIGH STRENGTH STEEL REINFORCEMENT, GRADE 60 ——— f_y = 60,000 PSI

STRUCTURAL ANGLES, PLATE AND BARS - ASTM A709 GRADE 36 ——— f_y = 36,000 PSI

CHORDS - ASTM A500 GRADE C ——— f_y = 46,000 PSI

COLUMN PIPE - ASTM A500 GRADE C ——— f_y = 46,000 PSI

HIGH STRENGTH BOLTS - A325 ——— f_y = 92,000 PSI

ANCHOR RODS - ASTM F1554 GRADE 55

HEAVY HEX NUTS FOR ANCHOR RODS - ASTM A563A

WASHERS FOR ANCHOR RODS - ASTM F436

FOUNDATION DATA

SIGN STRUCTURE FOUNDATIONS ARE SUPPORTED ON DRILLED SHAFTS THAT HAVE BEEN DESIGNED FOR SITES WHERE SOILS EXHIBIT A PHI-ANGLE GREATER THAN OR EQUAL TO 24° (GRANULAR SOILS), OR A COHESION VALUE GREATER THAN OR EQUAL TO 750 PSF (COHESIVE SOILS) AND A UNIT WEIGHT OF 125 PCF. THE GROUND WATER TABLE FOR DESIGN IS ASSUMED TO BE AT A DEPTH OF 10'-0" BELOW THE GROUND SURFACE, ACTUAL WATER LEVEL AT SITE MAY VARY. THE REGION GEOTECHNICAL ENGINEER SHALL VISUALLY INSPECT THE SUBSURFACE SOILS DURING DRILLING OF THE SHAFT HOLE TO CONFIRM THESE PROPERTIES PRIOR TO PLACEMENT OF THE DRILLED SHAFT CONCRETE.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALTERNATE DESIGNS ARE NOT ALLOWED.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), XXXX COUNTY ZONE, NAD 83 (1997). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2007).

ALL REINFORCING BARS ARE IN ENGLISH UNITS. THE FIRST DIGIT OF A THREE-DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR-DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

SIGN BRIDGE ID PLAQUES SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "BUTTERFLY 2-CHORD" FOR EACH APPLICABLE SIGN STRUCTURE IN THE PLAN SET. LOCATE THE ID PLAQUE ON THE FREEWAY SIDE OF THE SUPPORT COLUMN SO THAT IT CAN BE SEEN FROM THE ROADWAY. FABRICATE AND INSTALL THE ID PLAQUE IN ACCORDANCE WITH S.D.D. 12 A 4-3.

CATWALKS ARE USED ON 4-CHORD STRUCTURES CARRYING DMS SIGNS. CATWALKS SHALL BE INCIDENTAL TO THE BID ITEM "BUTTERFLY 2-CHORD" FOR EACH DMS SIGN STRUCTURE IN THE PLAN SET.

UNLESS DETAILED OTHERWISE IN THE PLANS, ALL H.S. BOLTED CONNECTIONS SHALL BE MADE WITH ¾" DIA A325 GALVANIZED BOLTS. FIELD CONNECTIONS SHALL BE INSTALLED WITH DTI WASHERS.

WELDED CONNECTIONS CAN BE USED IN LIEU OF BOLTED CONNECTIONS, IF A TRUSS UNIT CAN BE GALVANIZED IN ONE PIECE.

WELD TEST AS PER AWS D1.1.

SEE SIGN PLATE NO. A4-6, A4-7A & A4-7B OF THE SIGN PLATE MANUAL FOR INSTRUCTIONS ON CENTERING SIGNS VERTICALLY ON THE TRUSS.

SIGNS OR BLANKS SHALL BE INSTALLED ON TRUSS AT TIME OF ERECTION. BLANKS SHALL BE 1/4 THE LENGTH OF THE CANTILEVER SPAN, 2'-0" DEEPER THAN THE C/L TO C/L OF CHORDS, AND SHALL BE CENTERED ON THE BRIDGE. SIGNS SHALL BE AS DESIGNATED ON THE PLANS.

THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION OF THE TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS PER THE REQUIREMENTS IN THE STANDARD SPECIFICATIONS PRIOR TO FABRICATION OF THE STRUCTURE. CONTRACTOR SHALL SHOW SIGNS ON THE SHOP DRAWINGS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DRILLING OR EXCAVATING AND MAINTAINING A STABLE AND OPEN HOLE FOR SUBSEQUENT INSTALLATION OF CONCRETE MASONRY FOR THE DRILLED SHAFTS. PARTIAL OR FULL DEPTH TEMPORARY CASING MAY BE REQUIRED TO MAINTAIN THE STABILITY OF THE EXCAVATED HOLE FOR THE SIGN SUPPORT PRIOR TO FILLING THE HOLE WITH CONCRETE. PERMANENT CASING MADE FROM STEEL OR CORRUGATED METAL PIPE MAY BE USED IN LIEU OF TEMPORARY CASING. TEMPORARY/PERMANENT CASING, IF USED, SHALL BE INCIDENTAL TO THE BID ITEM "DRILLING SHAFT (DIA)".

STRUCTURE DESIGN DATA

STRUCTURE ID	OVERHEAD SIGN AREA	MAX. PANEL DEPTH	STANDARD DESIGN
S-40-3060	200 SF	8'-0"	TYPE NS
DESIGN SIGN	208 SF	8'-0"	

ALL STRUCTURES IN THIS GROUP ARE DESIGNED FOR DESIGN SIGN LOADING.

STATE PROJECT NUMBER

1100-20-70

TRAFFIC VOLUME

IH 41 NB

A.D.T. (2041) = 169,300
R.D.S. = 60 MPH

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	S-40-3060	TOTALS
203.0220	REMOVING ANCILLARY STRUCTURE (S-40-237)	EACH	1	1
531.1100	CONCRETE MASONRY ANCILLARY STRUCTURES TYPE NS	CY	---	---
531.1140	STEEL REINFORCEMENT HS ANCILLARY STRUCTURES TYPE NS	LB	---	---
531.1160	STEEL REINFORCEMENT HS COATED ANCILLARY STRUCTURES TYPE NS	LB	---	---
531.20XX	DRILLING SHAFT XX-INCH	LF	---	---
532.50XX	BUTTERFLY X-CHORD NS (STRUCTURE)	EACH	1	1

LIST OF DRAWINGS:

1. GENERAL NOTES & DESIGN DATA
2. LAYOUT S-40-3060

LIST OF STANDARD DRAWINGS

3. I. 2-CHORD BUTTERFLY
4. II. 2-CHORD BUTTERFLY CONNECTION DETAILS 1
5. III. 2-CHORD BUTTERFLY CONNECTION DETAILS 2
6. IV 2-CHORD BUTTERFLY CONNECTION DETAILS 3
7. V. 2-CHORD BUTTERFLY CATWALK DETAILS
8. VI. 2-CHORD BUTTERFLY ELECTRICAL DETAILS
9. VII. 2-CHORD BUTTERFLY FOUNDATION DETAILS 1
10. VIII. 2-CHORD BUTTERFLY FOUNDATION DETAILS 2

STRUCTURE DESIGN CONTACTS:

AARON BONK 608-261-0261
STEVEN DOOCY 608-261-6063

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

2-CHORD BUTTERFLY PLANS

IH-41 ZOO FREEWAY

COUNTY	CITY
MILWAUKEE	WAUWATOSA

DESIGN SPEC.
AASHTO LRFD-LTS1 W/ INTERIM REVISIONS

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
SAD		SAD	

SHEET 1 OF 15

GENERAL NOTES & DESIGN DATA

PRE_177

I.D. 1100-20-00 DATE: JUNE 2021

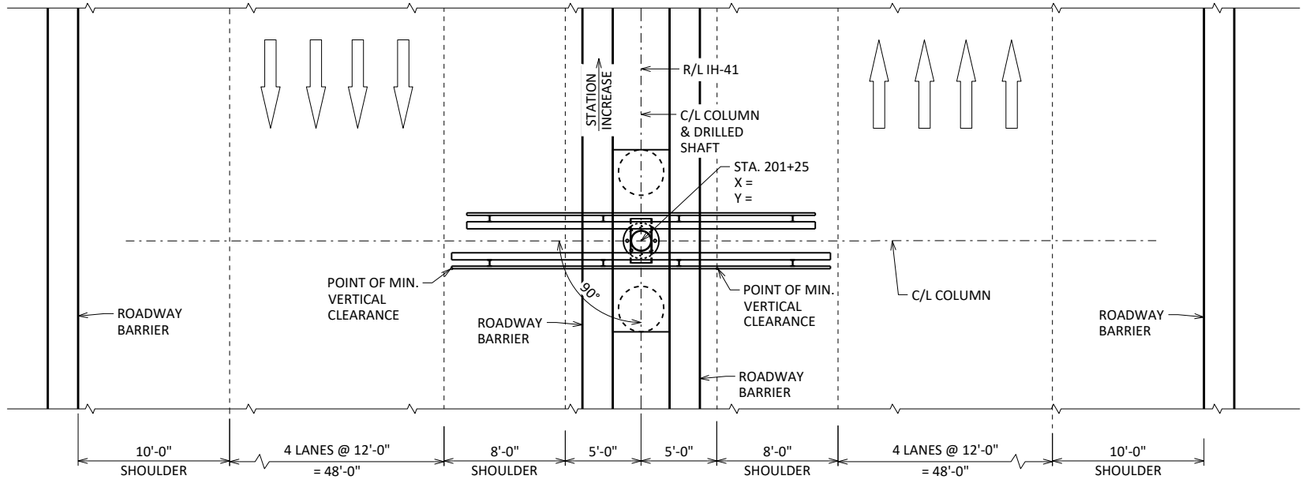
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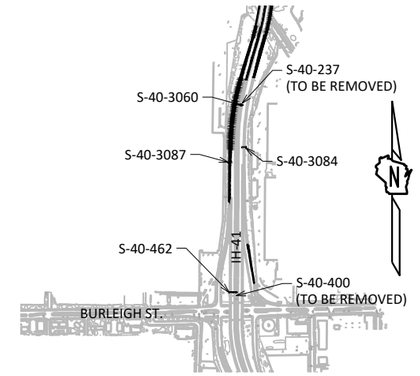
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STATE PROJECT NUMBER

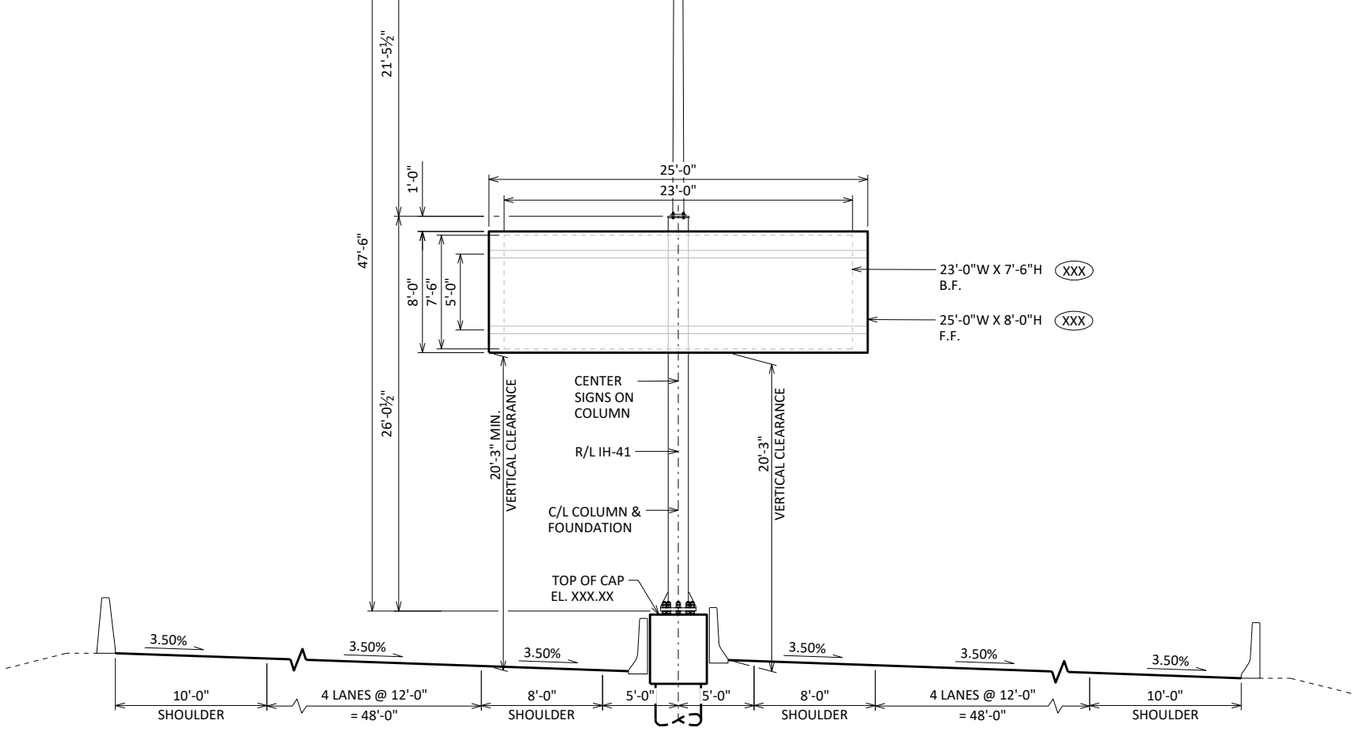
1100-20-70



PLAN

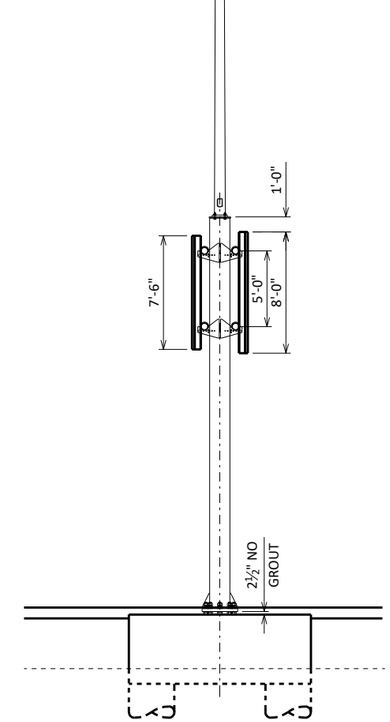


LOCATION MAP



ELEVATION

LOOKING NORTH AT F.F. OF SIGN
STA. 197+00 IH-41 NB



END VIEW

LOOKING WEST

NOTE

POINT OF MINIMUM VERTICAL CLEARANCE STA. 201+25, 0.00' OFFSET. ELEV. XXX.XX

S-40-237 TO BE REMOVED AFTER S-40-462 IS COMPLETED. S-40-237 IS AN APPROX. 23 FT. STEEL 2-CHORD BUTTERFLY ON A STEEL COLUMN WITH A LIGHT POLE AND DRILLED SHAFT WITH CAP FOUNDATIONS.

LEGEND

☆ ELEVATIONS ARE ALONG C/L TRUSS.

(---) SIGN NUMBER, SEE PERMANENT SIGNING PLAN.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE S-40-3060

DRAWN BY SAD | PLANS CK'D

GENERAL PLAN & ELEVATION

SHEET 2

PRE_178

SCALE = 4.00

8

8

DESIGN DATA

DESIGNED ACCORDING TO THE AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 1ST EDITION AND INTERIM SPECIFICATIONS, AND THE WISDOT BRIDGE MANUAL

FOUNDATION DESIGNED ACCORDING TO THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION.

DEAD LOAD: WT. OF SIGN AND SUPPORTING STRUCTURE.
ICE LOAD: 3 PSF TO ONE FACE OF SIGN & SURFACE OF MEMBERS.
WIND PRESSURE: 115 MPH (3-SEC. GUST SPEED) TO SIGN AREA & EXPOSED MEMBERS. (700 YEAR MEAN RECURRENCE INTERVAL)

WIND COMPONENTS	NORMAL	TRANSVERSE
LOAD CASE 1:	1.00	0.00
LOAD CASE 2:	0.00	1.00
LOAD CASE 3:	0.75	0.75

LOAD COMBINATIONS

STRENGTH I:	1.25 DC + 1.6 LL
EXTREME I:	(MAX DC): 1.1 DC + 1.0 W + 1.0 ICE
EXTREME I:	(MIN DC): 0.9 DC + 1.0 W
SERVICE I:	1.0 DC + 1.0 W
FATIGUE I:	1.0 NWG (NATURAL WIND GUST VIBRATION)
	1.0 TRG (TRUCK INDUCED GUST VIBRATION)

MATERIAL PROPERTIES

CONCRETE MASONRY ——— f'_c = 3,500 PSI

HIGH STRENGTH STEEL
REINFORCEMENT, GRADE 60 ——— f_y = 60,000 PSI

STRUCTURAL ANGLES,
PLATE AND BARS - ASTM A709 GRADE 36 ——— f_y = 36,000 PSI

CHORDS - ASTM A500 GRADE C ——— f_y = 46,000 PSI

COLUMN PIPE
DESIGN TRUSS TYPE I - ASTM A500 GRADE C ——— f_y = 46,000 PSI
DESIGN TRUSS TYPE II - API 5L PSL2 GRADE 46 ——— f_y = 46,000 PSI

HIGH STRENGTH BOLTS - A325 ——— f_y = 92,000 PSI

ANCHOR RODS - ASTM F1554 GRADE 55

HEAVY HEX NUTS FOR ANCHOR RODS - ASTM A563A

WASHERS FOR ANCHOR RODS - ASTM F436

FOUNDATION DATA

SIGN STRUCTURE FOUNDATIONS ARE SUPPORTED ON DRILLED SHAFTS THAT HAVE BEEN DESIGNED FOR SITES WHERE SOILS EXHIBIT A PHI-ANGLE GREATER THAN OR EQUAL TO 24° (GRANULAR SOILS), OR A COHESION VALUE GREATER THAN OR EQUAL TO 750 PSF (COHESIVE SOILS) AND A UNIT WEIGHT OF 125 PCF. THE GROUND WATER TABLE FOR DESIGN IS ASSUMED TO BE AT A DEPTH OF 10'-0" BELOW THE GROUND SURFACE, ACTUAL WATER LEVEL AT SITE MAY VARY. THE REGION GEOTECHNICAL ENGINEER SHALL VISUALLY INSPECT THE SUBSURFACE SOILS DURING DRILLING OF THE SHAFT HOLE TO CONFIRM THESE PROPERTIES PRIOR TO PLACEMENT OF THE DRILLED SHAFT CONCRETE.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALTERNATE DESIGNS ARE NOT ALLOWED.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), XXXX COUNTY ZONE, NAD 83 (1997). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2007).

ALL REINFORCING BARS ARE IN ENGLISH UNITS. THE FIRST DIGIT OF A THREE-DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR-DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

SIGN BRIDGE ID PLAQUES SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "TRUSS CANTILEVER 4-CHORD (TYPE)" FOR EACH APPLICABLE SIGN STRUCTURE IN THE PLAN SET. LOCATE THE ID PLAQUE ON THE FREEWAY SIDE OF THE SUPPORT COLUMN SO THAT IT CAN BE SEEN FROM THE ROADWAY. FABRICATE AND INSTALL THE ID PLAQUE IN ACCORDANCE WITH S.D.D. 12 A 4-3.

CATWALKS ARE USED ON 4-CHORD STRUCTURES CARRYING DMS SIGNS. CATWALKS SHALL BE INCIDENTAL TO THE BID ITEM "TRUSS CANTILEVER 4-CHORD (TYPE)" FOR EACH DMS SIGN STRUCTURE IN THE PLAN SET.

UNLESS DETAILED OTHERWISE IN THE PLANS, ALL H.S. BOLTED CONNECTIONS SHALL BE MADE WITH ¾" DIA A325 GALVANIZED BOLTS. FIELD CONNECTIONS SHALL BE INSTALLED WITH DTI WASHERS.

WELDED CONNECTIONS CAN BE USED IN LIEU OF BOLTED CONNECTIONS, IF A TRUSS UNIT CAN BE GALVANIZED IN ONE PIECE.

WELD TEST AS PER AWS D1.1.

SEE SIGN PLATE NO. A4-6, A4-7A & A4-7B OF THE SIGN PLATE MANUAL FOR INSTRUCTIONS ON CENTERING SIGNS VERTICALLY ON THE TRUSS.

SIGNS OR BLANKS SHALL BE INSTALLED ON TRUSS AT TIME OF ERECTION. BLANKS SHALL BE 1/4 THE LENGTH OF THE CANTILEVER SPAN, 2'-0" DEEPER THAN THE C/L TO C/L OF CHORDS, AND SHALL BE CENTERED ON THE BRIDGE. SIGNS SHALL BE AS DESIGNATED ON THE PLANS.

THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION OF THE TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS PER THE REQUIREMENTS IN THE STANDARD SPECIFICATIONS PRIOR TO FABRICATION OF THE STRUCTURE. CONTRACTOR SHALL SHOW SIGNS ON THE SHOP DRAWINGS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DRILLING OR EXCAVATING AND MAINTAINING A STABLE AND OPEN HOLE FOR SUBSEQUENT INSTALLATION OF CONCRETE MASONRY FOR THE DRILLED SHAFTS. PARTIAL OR FULL DEPTH TEMPORARY CASING MAY BE REQUIRED TO MAINTAIN THE STABILITY OF THE EXCAVATED HOLE FOR THE SIGN SUPPORT PRIOR TO FILLING THE HOLE WITH CONCRETE. PERMANENT CASING MADE FROM STEEL OR CORRUGATED METAL PIPE MAY BE USED IN LIEU OF TEMPORARY CASING. TEMPORARY/PERMANENT CASING, IF USED, SHALL BE INCIDENTAL TO THE BID ITEM "DRILLING SHAFT (DIA)".

STRUCTURE DESIGN DATA

STRUCTURE ID	OVERHEAD SIGN AREA	MAX. PANEL DEPTH	STANDARD DESIGN
S-40-3084	190 SF	12'-6"	TYPE II
S-40-3085	170 SF	10'-6"	TYPE II
S-40-3086	142 SF	8'-6"	TYPE II
S-40-3087	121 SF	7'-0"	TYPE II

STATE PROJECT NUMBER

1100-20-70

TRAFFIC VOLUME

IH 41 NB

A.D.T. (2041) = 169,300
R.D.S. = 60 MPH

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	S-40-3084	S-40-3085	S-40-3086	S-40-3087	TOTAL
531.2036	DRILLING SHAFT 36-INCH	LF	1	1	1	1	4
531.6020	FOUNDATION TWO-SHAFT TYPE II	EACH	1	1	1	1	4
532.6020	TRUSS CANTILEVER 4-CHORD TYPE II	EACH	1	1	1	1	4

LIST OF DRAWINGS:

1. GENERAL NOTES & DESIGN DATA
2. LAYOUT S-40-3084
3. LAYOUT S-40-3085
4. LAYOUT S-40-3086
5. LAYOUT S-40-3087

LIST OF STANDARD DRAWINGS

8. I. 4-CHORD TRUSS CANTILEVER
9. II. 4-CHORD TRUSS CANT. CONNECTION DETAILS 1
10. III. 4-CHORD TRUSS CANT. CONNECTION DETAILS 2
11. IV 4-CHORD TRUSS CANT. CONNECTION DETAILS 3
12. V. 4-CHORD TRUSS CANT. CATWALK DETAILS
13. VI. 4-CHORD TRUSS CANT. ELECTRICAL DETAILS
14. VII. 4-CHORD TRUSS CANT. FOUNDATION DETAILS 1
15. VIII. 4-CHORD TRUSS CANT. FOUNDATION DETAILS 2

STRUCTURE DESIGN CONTACTS:

AARON BONK 608-261-0261
STEVEN DOOCY 608-261-6063

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

4-CHORD CANTILEVER TRUSS PLANS

IH-41 ZOO FREEWAY

COUNTY	CITY
MILWAUKEE	WAUWATOSA

DESIGN SPEC.
AASHTO LRFD-LTS1 W/ INTERIM REVISIONS

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
SAD		SAD	

GENERAL NOTES & DESIGN DATA

SHEET 1 OF 15

PRE_179

I.D. 1100-20-00 DATE: JUNE 2021

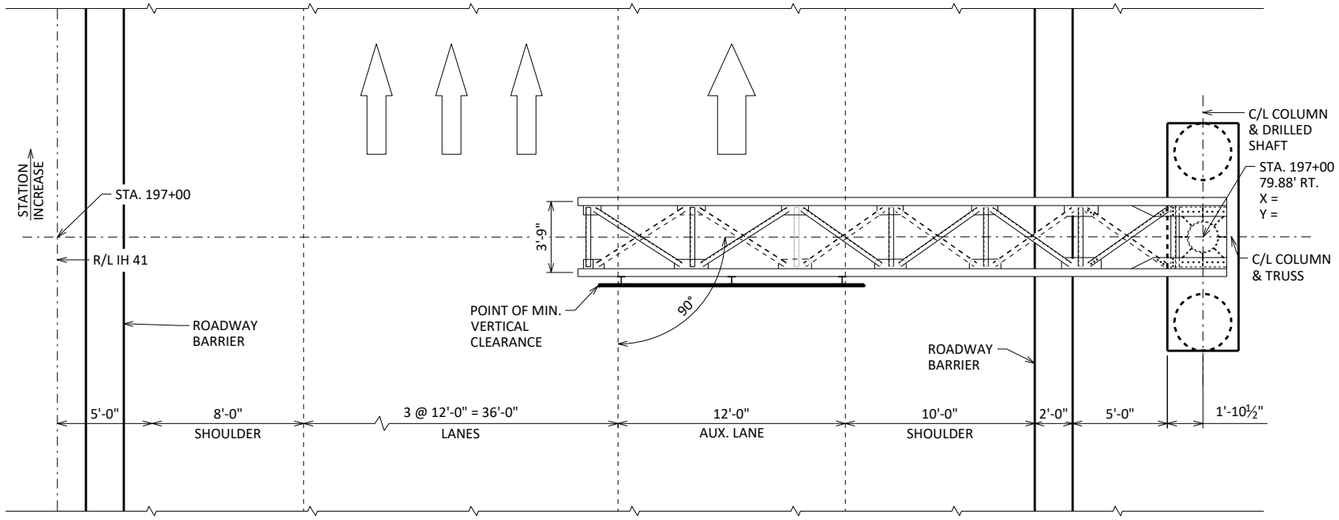
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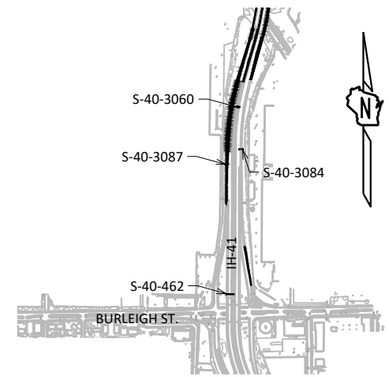
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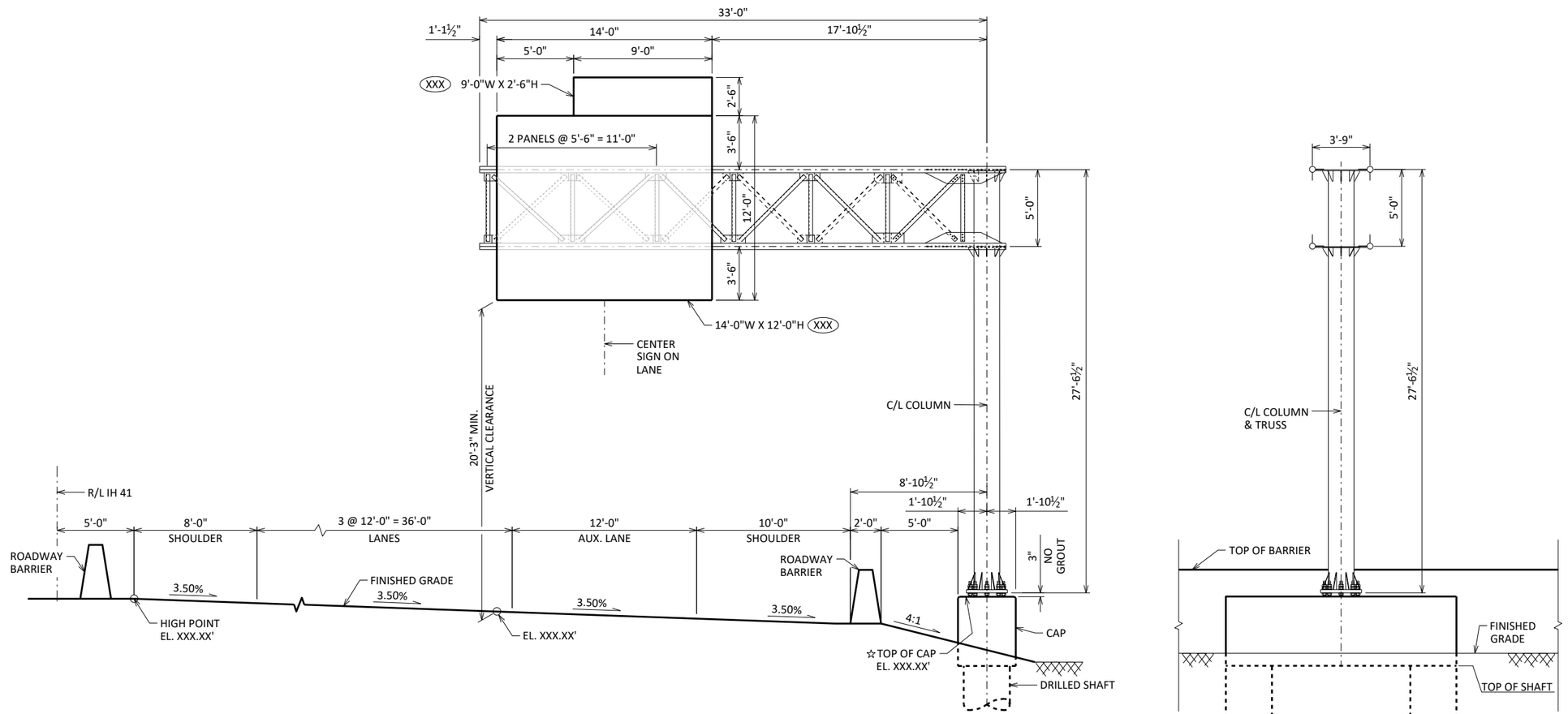
1100-20-70



PLAN



LOCATION MAP



ELEVATION

LOOKING NORTH AT F.F. OF SIGN
STA. 197+00 IH-41 NB

END VIEW

LOOKING WEST

LEGEND

☆ ELEVATIONS ARE ALONG C/L TRUSS.

(---) SIGN NUMBER, SEE PERMANENT SIGNING PLAN.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE S-40-3084

DRAWN BY SAD | PLANS CK'D

GENERAL PLAN & ELEVATION

SHEET 2

PRE_180

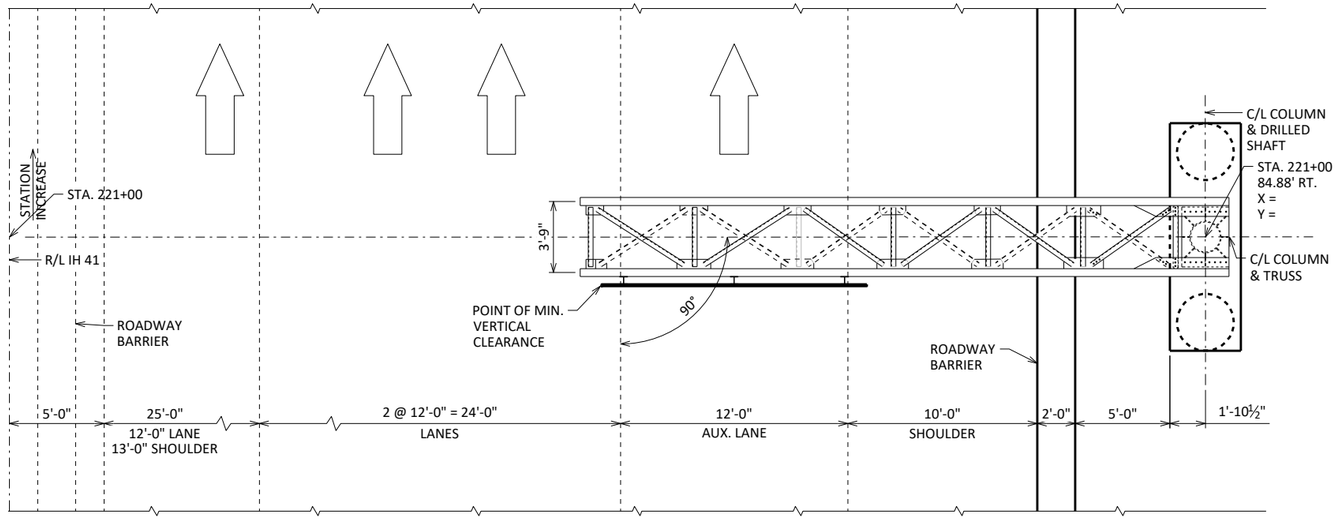
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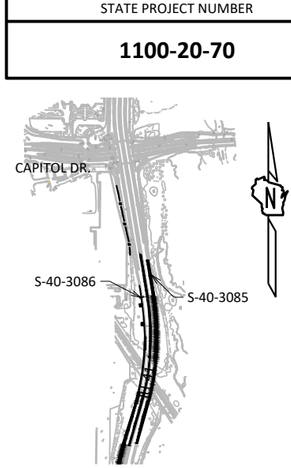
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STATE PROJECT NUMBER

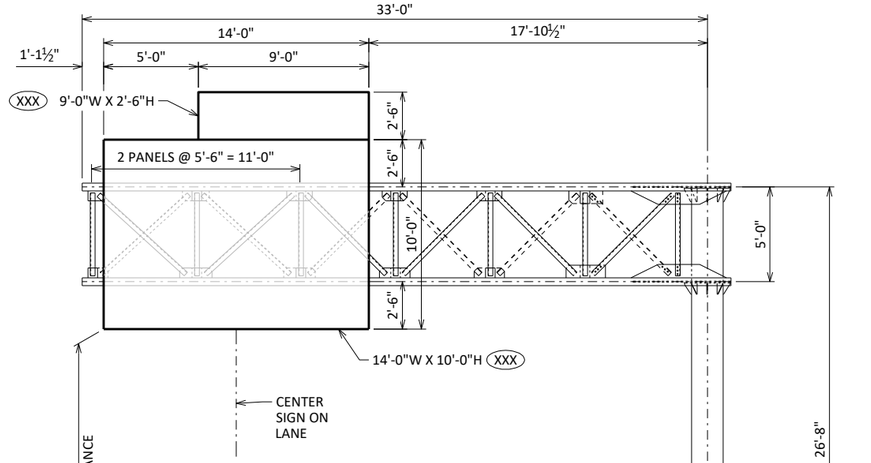
1100-20-70



PLAN

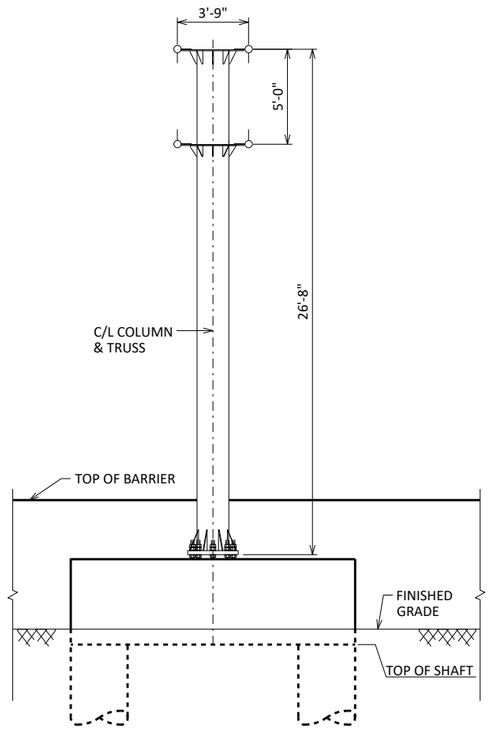


LOCATION MAP



ELEVATION

LOOKING NORTH AT F.F. OF SIGN
STA. 221+00 IH-41 NB



END VIEW

LOOKING WEST

LEGEND

☆ ELEVATIONS ARE ALONG C/L TRUSS.

(---) SIGN NUMBER, SEE PERMANENT SIGNING PLAN.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE S-40-3085

DRAWN BY SAD | PLANS CK'D

GENERAL PLAN & ELEVATION

SHEET 3

PRE_181

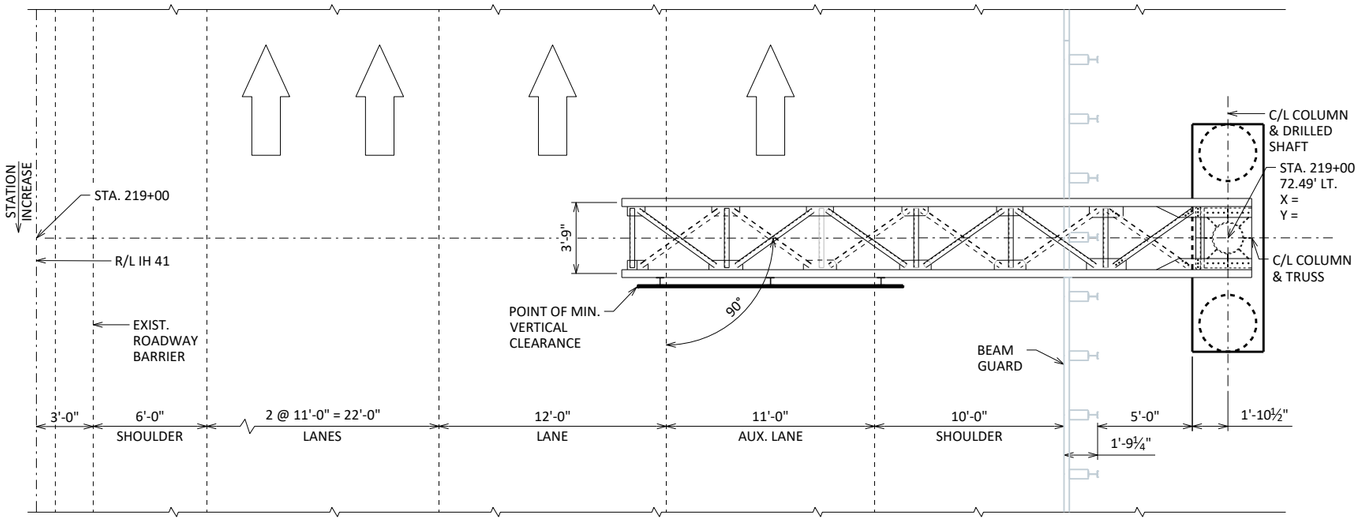
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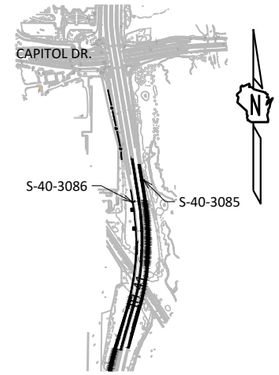
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STATE PROJECT NUMBER

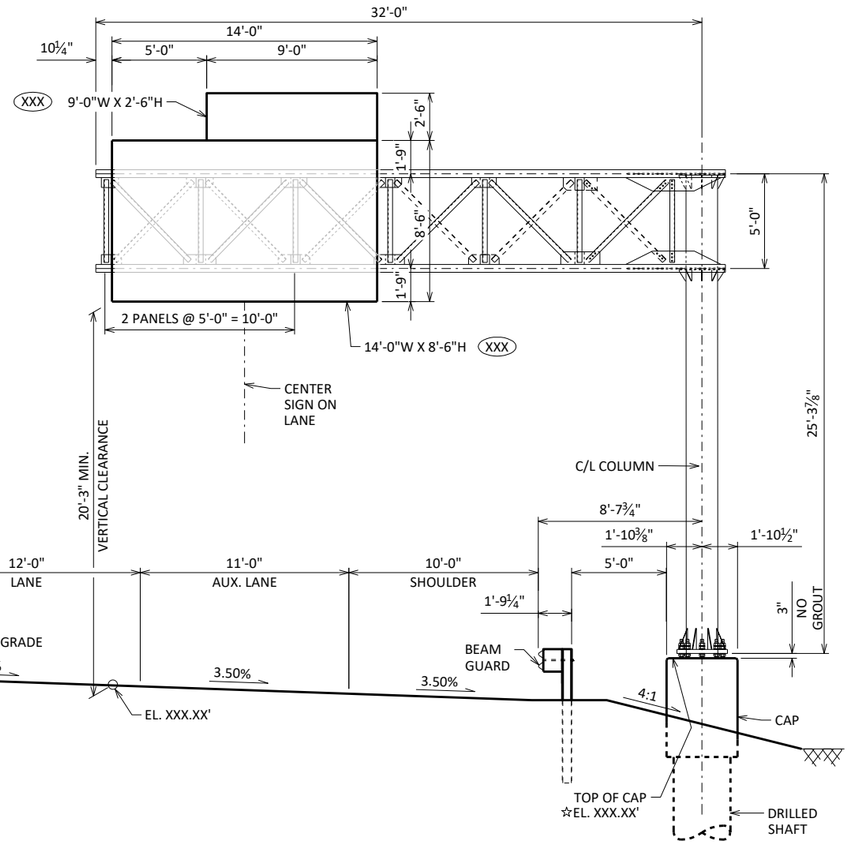
1100-20-70



PLAN

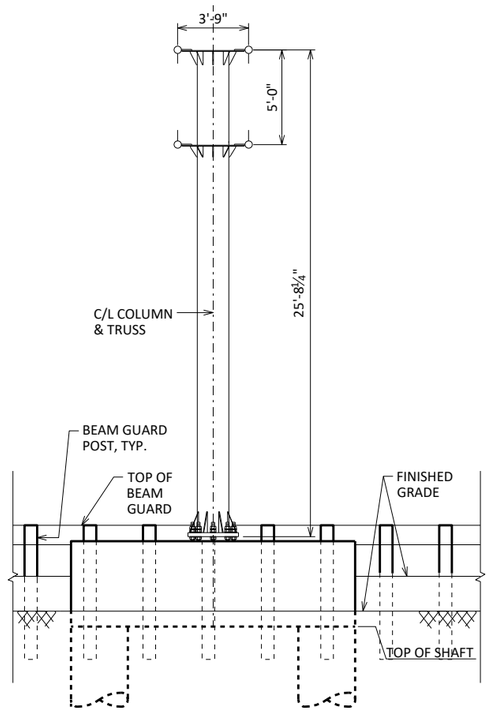


LOCATION MAP



ELEVATION

LOOKING SORTH AT F.F. OF SIGN
STA. 219+00 IH-41 SB



END VIEW

LOOKING EAST

LEGEND

☆ ELEVATIONS ARE ALONG C/L TRUSS.

(---) SIGN NUMBER, SEE PERMANENT SIGNING PLAN.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE S-40-3086

DRAWN BY SAD | PLANS CK'D

GENERAL PLAN & ELEVATION

SHEET 4

PRE_182

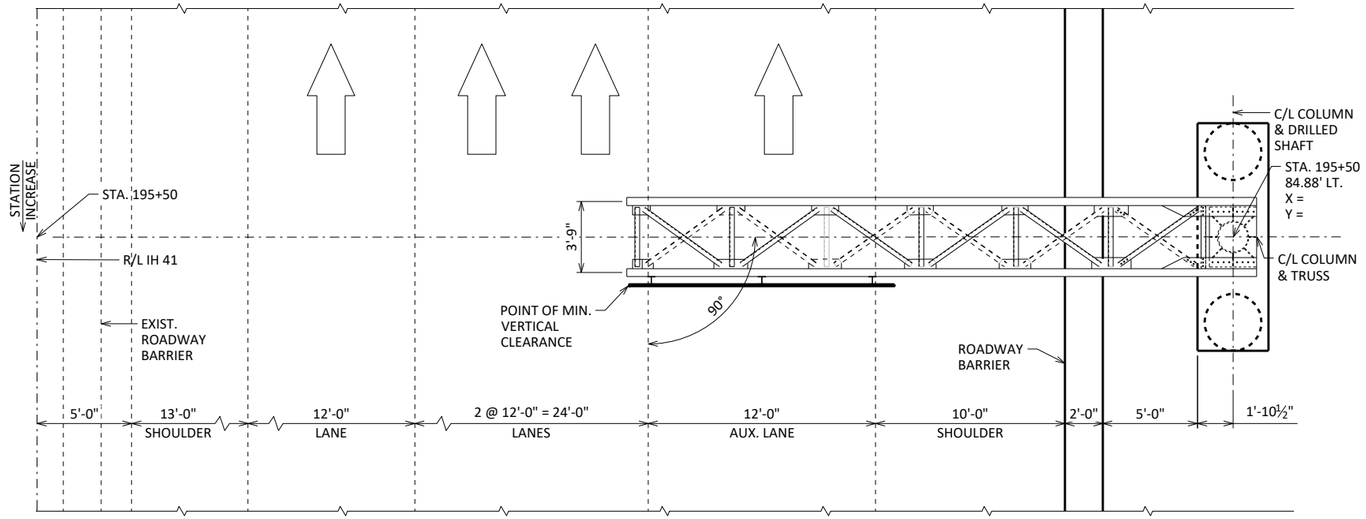
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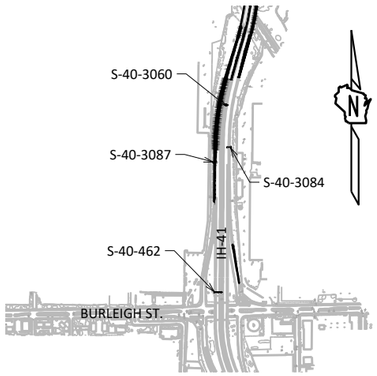
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STATE PROJECT NUMBER

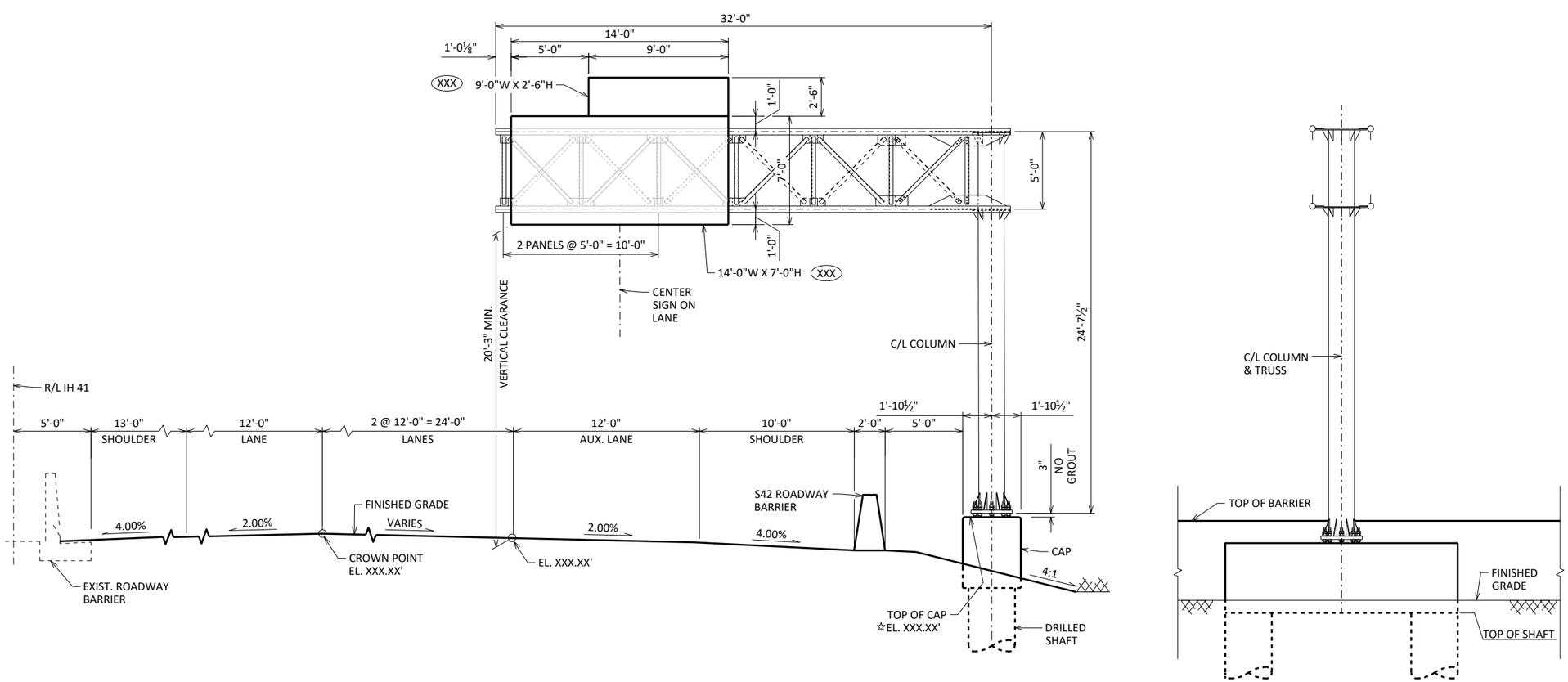
1100-20-70



PLAN



LOCATION MAP



ELEVATION

LOOKING SOUTH AT F.F. OF SIGN
STA. 195+50 IH-41 SB

END VIEW

LOOKING EAST

LEGEND

☆ ELEVATIONS ARE ALONG C/L TRUSS.

--- SIGN NUMBER, SEE PERMANENT SIGNING PLAN.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE S-40-3087

DRAWN BY SAD | PLANS CK'D

GENERAL PLAN & ELEVATION

SHEET 5

PRE_183

SCALE = 4.00

8

8

DESIGN DATA

DESIGNED ACCORDING TO THE AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 1ST EDITION AND INTERIM SPECIFICATIONS, AND THE WISDOT BRIDGE MANUAL

FOUNDATION DESIGNED ACCORDING TO THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION.

DEAD LOAD: WT. OF SIGN AND SUPPORTING STRUCTURE.
ICE LOAD: 3 PSF TO ONE FACE OF SIGN & SURFACE OF MEMBERS.
WIND PRESSURE: 115 MPH (3-SEC. GUST SPEED) TO SIGN AREA & EXPOSED MEMBERS. (700 YEAR MEAN RECURRENCE INTERVAL)

WIND COMPONENTS	NORMAL	TRANSVERSE
LOAD CASE 1:	1.00	0.00
LOAD CASE 2:	0.00	1.00
LOAD CASE 3:	0.75	0.75

LOAD COMBINATIONS

STRENGTH I:	1.25 DC + 1.6 LL
EXTREME I:	(MAX DC): 1.1 DC + 1.0 W + 1.0 ICE
EXTREME I:	(MIN DC): 0.9 DC + 1.0 W
SERVICE I:	1.0 DC + 1.0 W
FATIGUE I:	1.0 NWG (NATURAL WIND GUST VIBRATION)
	1.0 TRG (TRUCK INDUCED GUST VIBRATION)

MATERIAL PROPERTIES

CONCRETE MASONRY ——— f'_c = 3,500 PSI

HIGH STRENGTH STEEL REINFORCEMENT, GRADE 60 ——— f_y = 60,000 PSI

STRUCTURAL ANGLES, PLATE AND BARS - ASTM A709 GRADE 36 ——— f_y = 36,000 PSI

CHORDS - ASTM A500 GRADE C ——— f_y = 46,000 PSI

COLUMN PIPE - ASTM A500 GRADE C ——— f_y = 46,000 PSI

HIGH STRENGTH BOLTS - A325 ——— f_y = 92,000 PSI

ANCHOR RODS - ASTM F1554 GRADE 55

HEAVY HEX NUTS FOR ANCHOR RODS - ASTM A563A

WASHERS FOR ANCHOR RODS - ASTM F436

FOUNDATION DATA

SIGN STRUCTURE FOUNDATIONS ARE SUPPORTED ON DRILLED SHAFTS THAT HAVE BEEN DESIGNED FOR SITES WHERE SOILS EXHIBIT A PHI-ANGLE GREATER THAN OR EQUAL TO 24° (GRANULAR SOILS), OR A COHESION VALUE GREATER THAN OR EQUAL TO 750 PSF (COHESIVE SOILS) AND A UNIT WEIGHT OF 125 PCF. THE GROUND WATER TABLE FOR DESIGN IS ASSUMED TO BE AT A DEPTH OF 10'-0" BELOW THE GROUND SURFACE, ACTUAL WATER LEVEL AT SITE MAY VARY. THE REGION GEOTECHNICAL ENGINEER SHALL VISUALLY INSPECT THE SUBSURFACE SOILS DURING DRILLING OF THE SHAFT HOLE TO CONFIRM THESE PROPERTIES PRIOR TO PLACEMENT OF THE DRILLED SHAFT CONCRETE.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALTERNATE DESIGNS ARE NOT ALLOWED.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), XXXX COUNTY ZONE, NAD 83 (1997). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2007).

ALL REINFORCING BARS ARE IN ENGLISH UNITS. THE FIRST DIGIT OF A THREE-DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR-DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

SIGN BRIDGE ID PLAQUES SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "BUTTERFLY 2-CHORD" FOR EACH APPLICABLE SIGN STRUCTURE IN THE PLAN SET. LOCATE THE ID PLAQUE ON THE FREEWAY SIDE OF THE SUPPORT COLUMN SO THAT IT CAN BE SEEN FROM THE ROADWAY. FABRICATE AND INSTALL THE ID PLAQUE IN ACCORDANCE WITH S.D.D. 12 A 4-3.

CATWALKS ARE USED ON 4-CHORD STRUCTURES CARRYING DMS SIGNS. CATWALKS SHALL BE INCIDENTAL TO THE BID ITEM "BUTTERFLY 2-CHORD" FOR EACH DMS SIGN STRUCTURE IN THE PLAN SET.

UNLESS DETAILED OTHERWISE IN THE PLANS, ALL H.S. BOLTED CONNECTIONS SHALL BE MADE WITH ¾" DIA A325 GALVANIZED BOLTS. FIELD CONNECTIONS SHALL BE INSTALLED WITH DTI WASHERS.

WELDED CONNECTIONS CAN BE USED IN LIEU OF BOLTED CONNECTIONS, IF A TRUSS UNIT CAN BE GALVANIZED IN ONE PIECE.

WELD TEST AS PER AWS D1.1.

SEE SIGN PLATE NO. A4-6, A4-7A & A4-7B OF THE SIGN PLATE MANUAL FOR INSTRUCTIONS ON CENTERING SIGNS VERTICALLY ON THE TRUSS.

SIGNS OR BLANKS SHALL BE INSTALLED ON TRUSS AT TIME OF ERECTION. BLANKS SHALL BE 1/4 THE LENGTH OF THE CANTILEVER SPAN, 2'-0" DEEPER THAN THE C/L TO C/L OF CHORDS, AND SHALL BE CENTERED ON THE BRIDGE. SIGNS SHALL BE AS DESIGNATED ON THE PLANS.

THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION OF THE TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS PER THE REQUIREMENTS IN THE STANDARD SPECIFICATIONS PRIOR TO FABRICATION OF THE STRUCTURE. CONTRACTOR SHALL SHOW SIGNS ON THE SHOP DRAWINGS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DRILLING OR EXCAVATING AND MAINTAINING A STABLE AND OPEN HOLE FOR SUBSEQUENT INSTALLATION OF CONCRETE MASONRY FOR THE DRILLED SHAFTS. PARTIAL OR FULL DEPTH TEMPORARY CASING MAY BE REQUIRED TO MAINTAIN THE STABILITY OF THE EXCAVATED HOLE FOR THE SIGN SUPPORT PRIOR TO FILLING THE HOLE WITH CONCRETE. PERMANENT CASING MADE FROM STEEL OR CORRUGATED METAL PIPE MAY BE USED IN LIEU OF TEMPORARY CASING. TEMPORARY/PERMANENT CASING, IF USED, SHALL BE INCIDENTAL TO THE BID ITEM "DRILLING SHAFT (DIA)".

STRUCTURE DESIGN DATA

STRUCTURE ID	OVERHEAD SIGN AREA	MAX. PANEL DEPTH	STANDARD DESIGN
S-40-3063	192 SF	8'-0"	TYPE NS
DESIGN SIGN	208 SF	8'-0"	

ALL STRUCTURES IN THIS GROUP ARE DESIGNED FOR DESIGN SIGN LOADING.

STATE PROJECT NUMBER

1100-21-70

TRAFFIC VOLUME

IH 41 NB

A.D.T. (2041) = 131,200
R.D.S. = 60 MPH

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	S-40-3063	TOTALS
203.0246.XX	REMOVING ANCILLARY STRUCTURE (S-40-240)	EACH	1	1
531.1100	CONCRETE MASONRY ANCILLARY STRUCTURES TYPE NS	CY	---	---
531.1140	STEEL REINFORCEMENT HS ANCILLARY STRUCTURES TYPE NS	LB	---	---
531.1160	STEEL REINFORCEMENT HS COATED ANCILLARY STRUCTURES TYPE NS	LB	---	---
531.20XX	DRILLING SHAFT XX-INCH	LF	---	---
532.5020	BUTTERFLY 2-CHORD NS	EACH	1	1

LIST OF DRAWINGS:

1. GENERAL NOTES & DESIGN DATA
2. LAYOUT S-40-3063

LIST OF STANDARD DRAWINGS

3. I. 2-CHORD BUTTERFLY
4. II. 2-CHORD BUTTERFLY CONNECTION DETAILS 1
5. III. 2-CHORD BUTTERFLY CONNECTION DETAILS 2
6. IV 2-CHORD BUTTERFLY CONNECTION DETAILS 3
7. V. 2-CHORD BUTTERFLY CATWALK DETAILS
8. VI. 2-CHORD BUTTERFLY ELECTRICAL DETAILS
9. VII. 2-CHORD BUTTERFLY FOUNDATION DETAILS 1
10. VIII. 2-CHORD BUTTERFLY FOUNDATION DETAILS 2

STRUCTURE DESIGN CONTACTS:

AARON BONK 608-261-0261
STEVEN DOOCY 608-261-6063

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION — BUREAU OF STRUCTURES

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

2-CHORD BUTTERFLY PLANS

IH-41 ZOO FREEWAY

COUNTY	CITY
MILWAUKEE	WAUWATOSA

DESIGN SPEC.
AASHTO LRFD-LTS1 W/ INTERIM REVISIONS

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
SAD		SAD	

SHEET 1 OF 15

GENERAL NOTES & DESIGN DATA

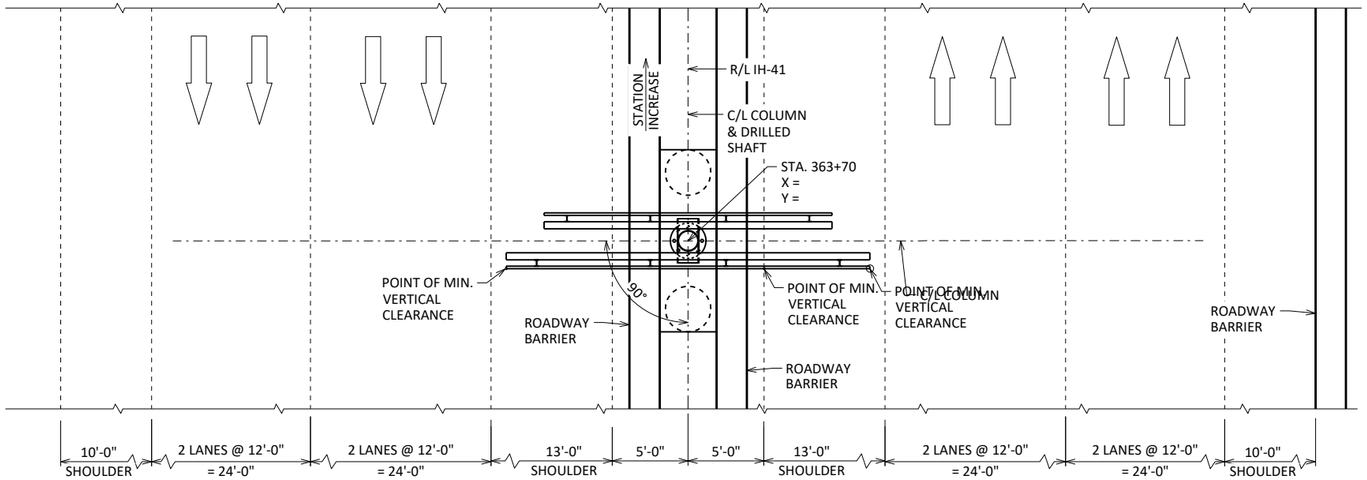
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I.D. 1100-20-00 DATE: JUNE 2021

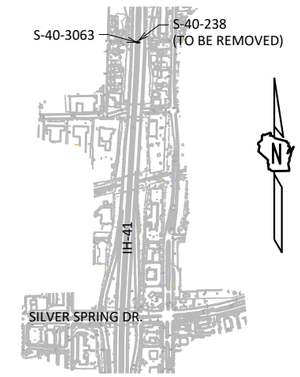
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STATE PROJECT NUMBER

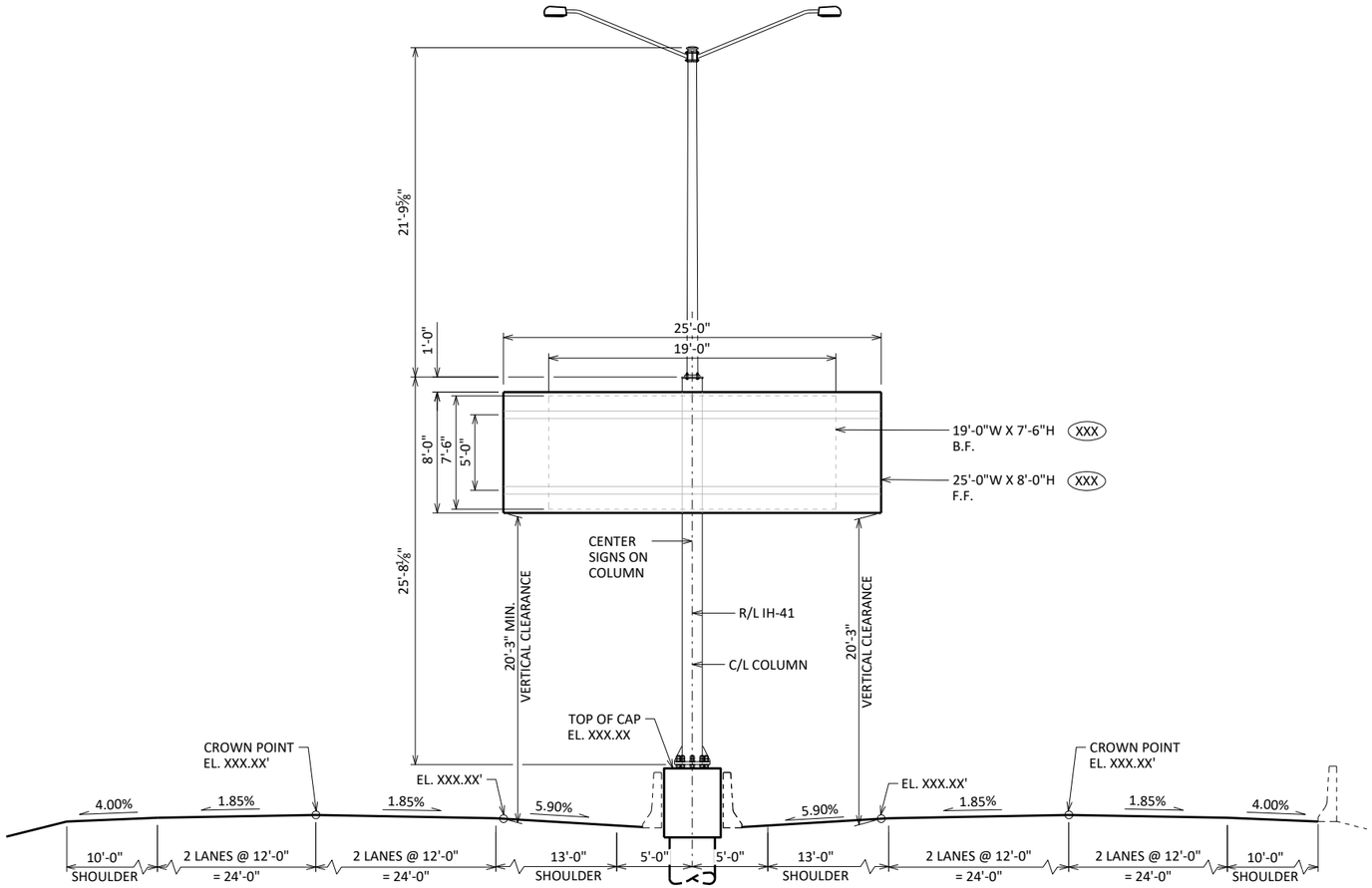
1100-21-70



PLAN

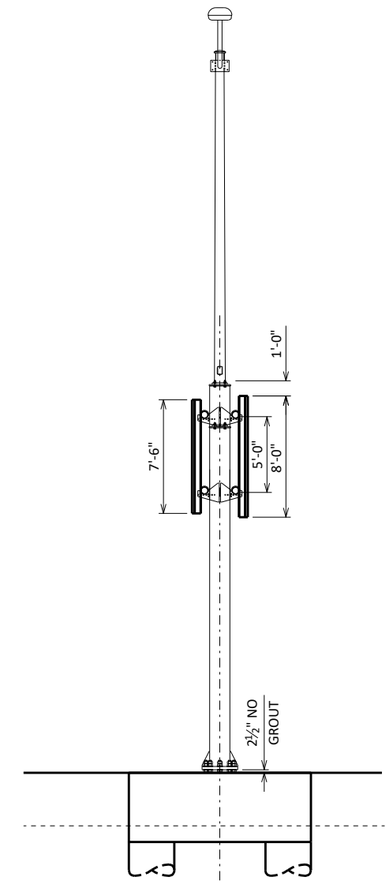


LOCATION MAP



ELEVATION

LOOKING NORTH AT F.F. OF SIGN
STA. 363+70 IH-41



END VIEW

LOOKING WEST

NOTE

S-40-240 TO BE REMOVED AFTER S-40-3063 IS COMPLETED. S-40-240 IS A STEEL 2-CHORD BUTTERFLY ON A STEEL COLUMN WITH LIGHT POLE AND DRILLED SHAFT WITH CAP FOUNDATIONS.

LEGEND

☆ ELEVATIONS ARE ALONG C/L TRUSS.

(---) SIGN NUMBER, SEE PERMANENT SIGNING PLAN.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE S-40-3063

DRAWN BY SAD | PLANS CK'D

GENERAL PLAN & ELEVATION

SHEET 2

PRE_185

SCALE = 4.00

8

8

DESIGN DATA

DESIGNED ACCORDING TO THE AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 1ST EDITION AND INTERIM SPECIFICATIONS, AND THE WISDOT BRIDGE MANUAL

FOUNDATION DESIGNED ACCORDING TO THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION.

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ICE LOAD: 3 PSF TO ONE FACE OF SIGN & SURFACE OF MEMBERS.
WIND PRESSURE: 115 MPH (3-SEC. GUST SPEED) TO SIGN AREA & EXPOSED MEMBERS. (700 YEAR MEAN RECURRENCE INTERVAL)

WIND COMPONENTS	NORMAL	TRANSVERSE
LOAD CASE 1:	1.00	0.00
LOAD CASE 2:	0.00	1.00
LOAD CASE 3:	0.75	0.75

LOAD COMBINATIONS

STRENGTH I:	1.25 DC + 1.6 LL
EXTREME I:	(MAX DC): 1.1 DC + 1.0 W + 1.0 ICE
EXTREME I:	(MIN DC): 0.9 DC + 1.0 W
SERVICE I:	1.0 DC + 1.0 W
FATIGUE I:	1.0 NWG (NATURAL WIND GUST VIBRATION)
	1.0 TRG (TRUCK INDUCED GUST VIBRATION)

MATERIAL PROPERTIES

CONCRETE MASONRY ——— f'_c = 3,500 PSI

HIGH STRENGTH STEEL REINFORCEMENT, GRADE 60 ——— f_y = 60,000 PSI

STRUCTURAL ANGLES, PLATE AND BARS - ASTM A709 GRADE 36 ——— f_y = 36,000 PSI

CHORDS - ASTM A500 GRADE C ——— f_y = 46,000 PSI

COLUMN PIPE - ASTM A500 GRADE C ——— f_y = 46,000 PSI

HIGH STRENGTH BOLTS - A325 ——— f_y = 92,000 PSI

ANCHOR RODS - ASTM F1554 GRADE 55

HEAVY HEX NUTS FOR ANCHOR RODS - ASTM A563A

WASHERS FOR ANCHOR RODS - ASTM F436

FOUNDATION DATA

SIGN STRUCTURE FOUNDATIONS ARE SUPPORTED ON DRILLED SHAFTS THAT HAVE BEEN DESIGNED FOR SITES WHERE SOILS EXHIBIT A PHI-ANGLE GREATER THAN OR EQUAL TO 24° (GRANULAR SOILS), OR A COHESION VALUE GREATER THAN OR EQUAL TO 750 PSF (COHESIVE SOILS) AND A UNIT WEIGHT OF 125 PCF. THE GROUND WATER TABLE FOR DESIGN IS ASSUMED TO BE AT A DEPTH OF 10'-0" BELOW THE GROUND SURFACE, ACTUAL WATER LEVEL AT SITE MAY VARY. THE REGION GEOTECHNICAL ENGINEER SHALL VISUALLY INSPECT THE SUBSURFACE SOILS DURING DRILLING OF THE SHAFT HOLE TO CONFIRM THESE PROPERTIES PRIOR TO PLACEMENT OF THE DRILLED SHAFT CONCRETE.

GENERAL NOTES

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SIGN BRIDGE ID PLAQUES SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "BUTTERFLY 2-CHORD" FOR EACH APPLICABLE SIGN STRUCTURE IN THE PLAN SET. LOCATE THE ID PLAQUE ON THE FREEWAY SIDE OF THE SUPPORT COLUMN SO THAT IT CAN BE SEEN FROM THE ROADWAY. FABRICATE AND INSTALL THE ID PLAQUE IN ACCORDANCE WITH S.D.D. 12 A 4-3.

CATWALKS ARE USED ON 4-CHORD STRUCTURES CARRYING DMS SIGNS. CATWALKS SHALL BE INCIDENTAL TO THE BID ITEM "BUTTERFLY 2-CHORD" FOR EACH DMS SIGN STRUCTURE IN THE PLAN SET.

UNLESS DETAILED OTHERWISE IN THE PLANS, ALL H.S. BOLTED CONNECTIONS SHALL BE MADE WITH ¾" DIA A325 GALVANIZED BOLTS. FIELD CONNECTIONS SHALL BE INSTALLED WITH DTI WASHERS.

WELDED CONNECTIONS CAN BE USED IN LIEU OF BOLTED CONNECTIONS, IF A TRUSS UNIT CAN BE GALVANIZED IN ONE PIECE.

WELD TEST AS PER AWS D1.1.

SEE SIGN PLATE NO. A4-6, A4-7A & A4-7B OF THE SIGN PLATE MANUAL FOR INSTRUCTIONS ON CENTERING SIGNS VERTICALLY ON THE TRUSS.

SIGNS OR BLANKS SHALL BE INSTALLED ON TRUSS AT TIME OF ERECTION. BLANKS SHALL BE 1/4 THE LENGTH OF THE CANTILEVER SPAN, 2'-0" DEEPER THAN THE C/L TO C/L OF CHORDS, AND SHALL BE CENTERED ON THE BRIDGE. SIGNS SHALL BE AS DESIGNATED ON THE PLANS.

THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION OF THE TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS PER THE REQUIREMENTS IN THE STANDARD SPECIFICATIONS PRIOR TO FABRICATION OF THE STRUCTURE. CONTRACTOR SHALL SHOW SIGNS ON THE SHOP DRAWINGS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DRILLING OR EXCAVATING AND MAINTAINING A STABLE AND OPEN HOLE FOR SUBSEQUENT INSTALLATION OF CONCRETE MASONRY FOR THE DRILLED SHAFTS. PARTIAL OR FULL DEPTH TEMPORARY CASING MAY BE REQUIRED TO MAINTAIN THE STABILITY OF THE EXCAVATED HOLE FOR THE SIGN SUPPORT PRIOR TO FILLING THE HOLE WITH CONCRETE. PERMANENT CASING MADE FROM STEEL OR CORRUGATED METAL PIPE MAY BE USED IN LIEU OF TEMPORARY CASING. TEMPORARY/PERMANENT CASING, IF USED, SHALL BE INCIDENTAL TO THE BID ITEM "DRILLING SHAFT (DIA)".

STRUCTURE DESIGN DATA

STRUCTURE ID	OVERHEAD SIGN AREA	MAX. PANEL DEPTH	STANDARD DESIGN
S-40-3061	200 SF	8'-0"	TYPE NS
S-40-3062	180 SF	7'-6"	TYPE NS
DESIGN SIGN	208 SF	8'-0"	

ALL STRUCTURES IN THIS GROUP ARE DESIGNED FOR DESIGN SIGN LOADING.

STATE PROJECT NUMBER

1100-20-71

TRAFFIC VOLUME

IH 41 NB

A.D.T. (2041) = 169,300
R.D.S. = 60 MPH

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	S-40-3061	S-40-3062	TOTALS
203.0246.01	REMOVING ANCILLARY STRUCTURE (S-40-238)	EACH	1	---	1
203.0020.02	REMOVING ANCILLARY STRUCTURE (S-40-239	EACH	---	1	1
531.1100	CONCRETE MASONRY ANCILLARY STRUCTURES TYPE NS	CY	---	---	---
531.1140	STEEL REINFORCEMENT HS ANCILLARY STRUCTURES TYPE NS	LB	---	---	---
531.1160	STEEL REINFORCEMENT HS COATED ANCILLARY STRUCTURES TYPE NS	LB	---	---	---
531.20XX	DRILLING SHAFT XX-INCH	LF	---	---	---
532.5020	BUTTERFLY 2-CHORD NS	EACH	1	1	2

LIST OF DRAWINGS:

1. GENERAL NOTES & DESIGN DATA
2. LAYOUT S-40-3061
3. LAYOUT S-40-3062

LIST OF STANDARD DRAWINGS

4. I. 2-CHORD BUTTERFLY
5. II. 2-CHORD BUTTERFLY CONNECTION DETAILS 1
6. III. 2-CHORD BUTTERFLY CONNECTION DETAILS 2
7. IV 2-CHORD BUTTERFLY CONNECTION DETAILS 3
8. V. 2-CHORD BUTTERFLY CATWALK DETAILS
9. VI. 2-CHORD BUTTERFLY ELECTRICAL DETAILS
10. VII. 2-CHORD BUTTERFLY FOUNDATION DETAILS 1
11. VIII. 2-CHORD BUTTERFLY FOUNDATION DETAILS 2

STRUCTURE DESIGN CONTACTS:

AARON BONK 608-261-0261
STEVEN DOOCY 608-261-6063

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

2-CHORD BUTTERFLY PLANS

IH-41 ZOO FREEWAY

COUNTY	CITY
MILWAUKEE	WAUWATOSA

DESIGN SPEC.
AASHTO LRFD-LTS1 W/ INTERIM REVISIONS

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
SAD		SAD	

GENERAL NOTES & DESIGN DATA

SHEET 1 OF 15

PRE_186

I.D. 1100-20-00 DATE: JUNE 2021

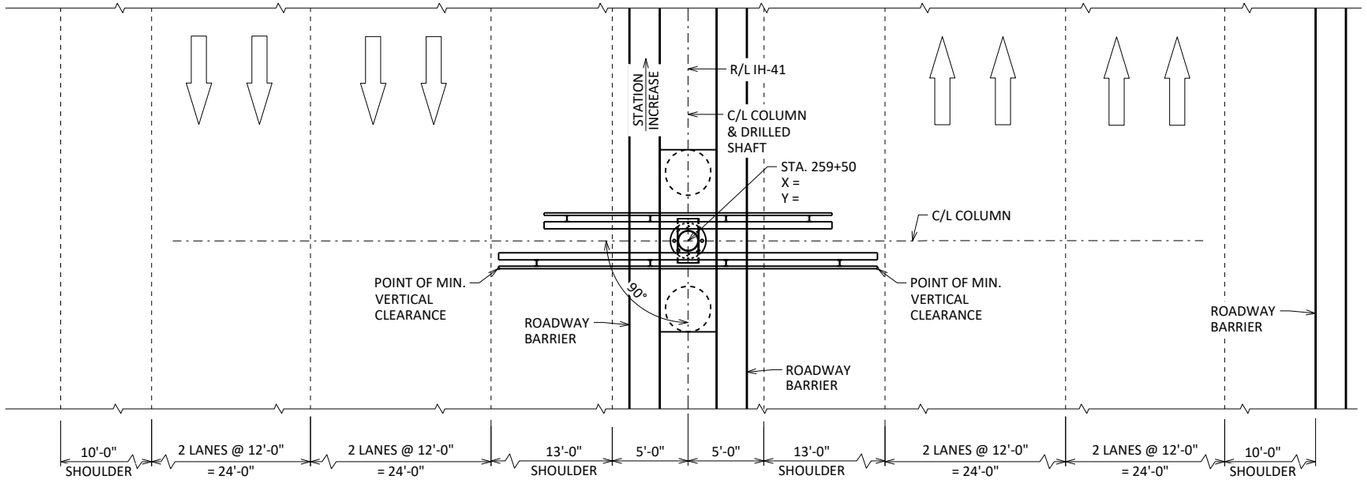
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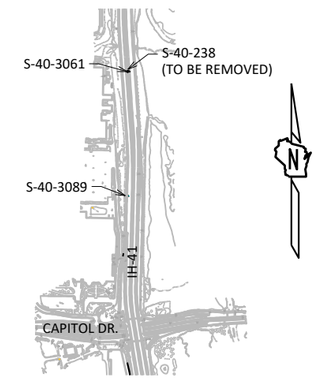
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STATE PROJECT NUMBER

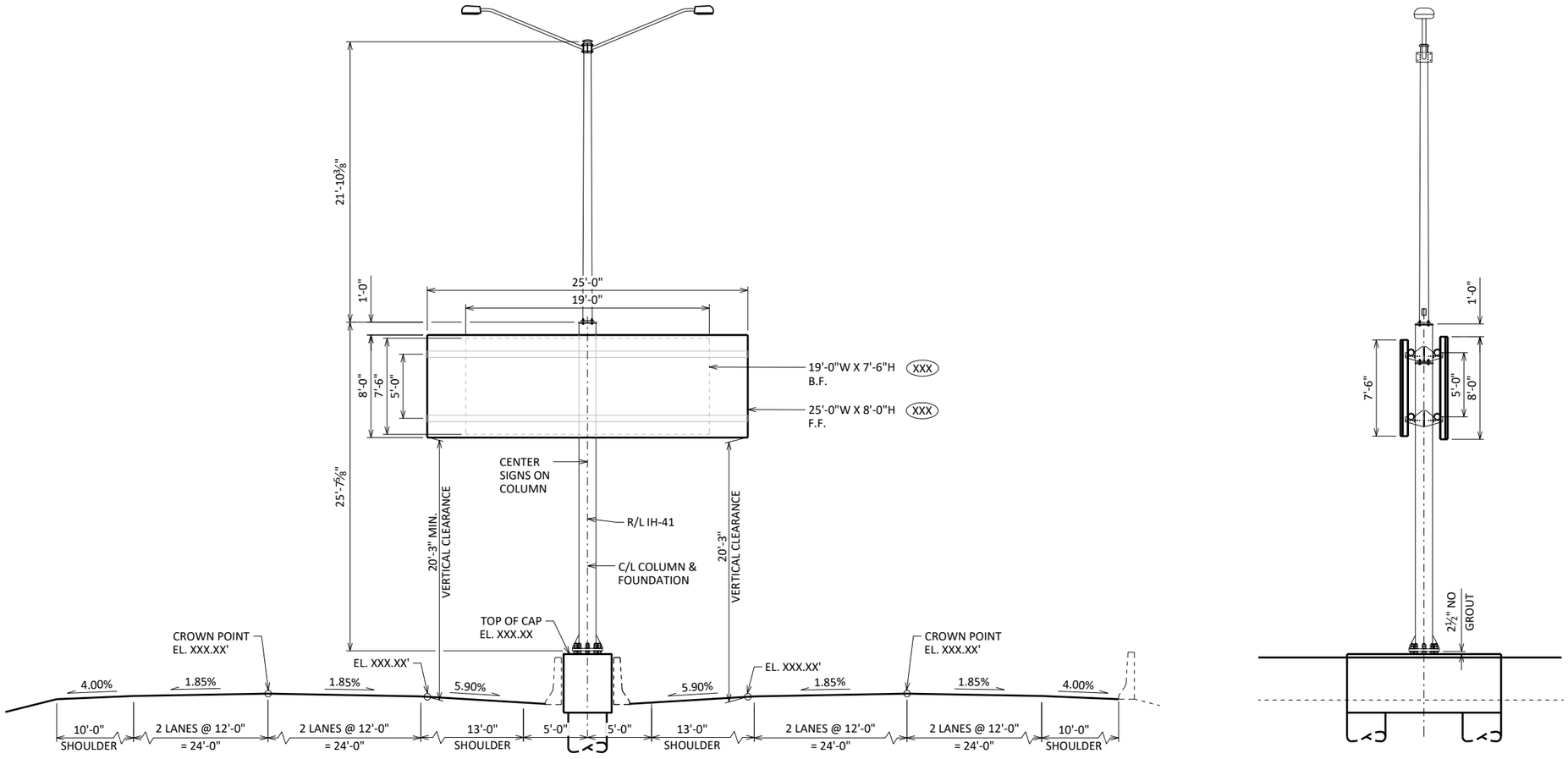
1100-20-71



PLAN



LOCATION MAP



ELEVATION

LOOKING NORTH AT F.F. OF SIGN
STA. 197+00 IH-41 NB

END VIEW

LOOKING WEST

NOTE

S-40-238 TO BE REMOVED AFTER S-40-3061 IS COMPLETED. S-40-238 IS A STEEL 2-CHORD BUTTERFLY ON A STEEL COLUMN WITH LIGHT POLE AND DRILLED SHAFT WITH CAP FOUNDATIONS.

LEGEND

☆ ELEVATIONS ARE ALONG C/L TRUSS.

(---) SIGN NUMBER, SEE PERMANENT SIGNING PLAN.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE S-40-3061

DRAWN BY SAD | PLANS CK'D

GENERAL PLAN & ELEVATION

SHEET 2

PRE_187

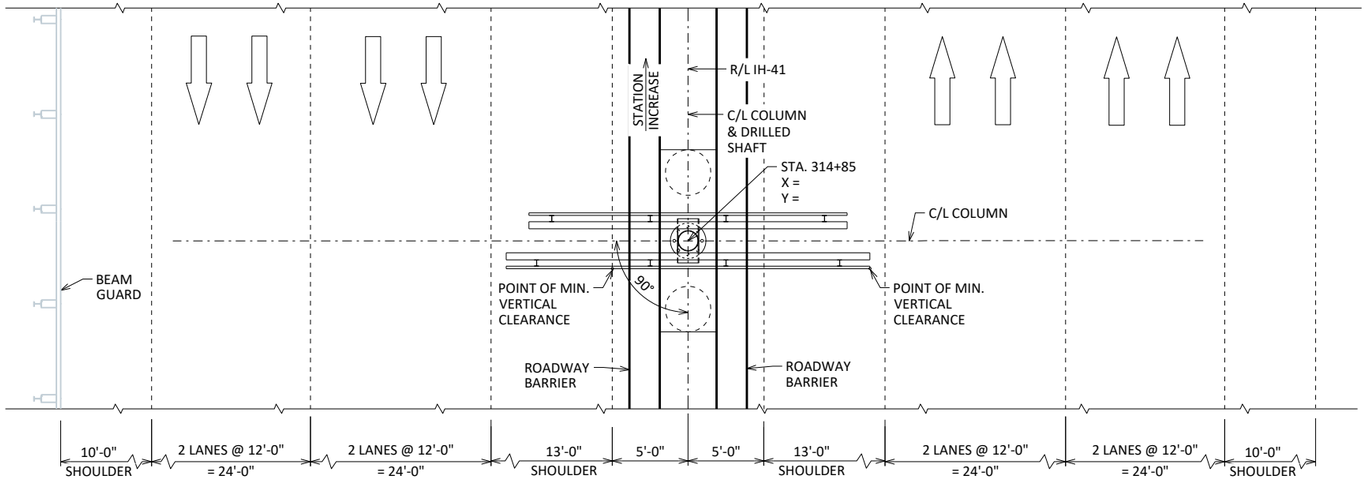
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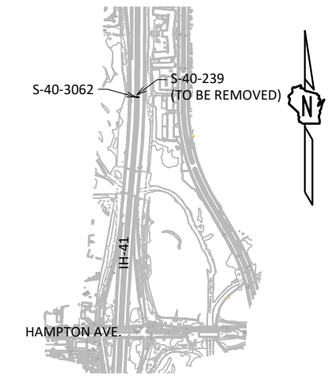
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STATE PROJECT NUMBER

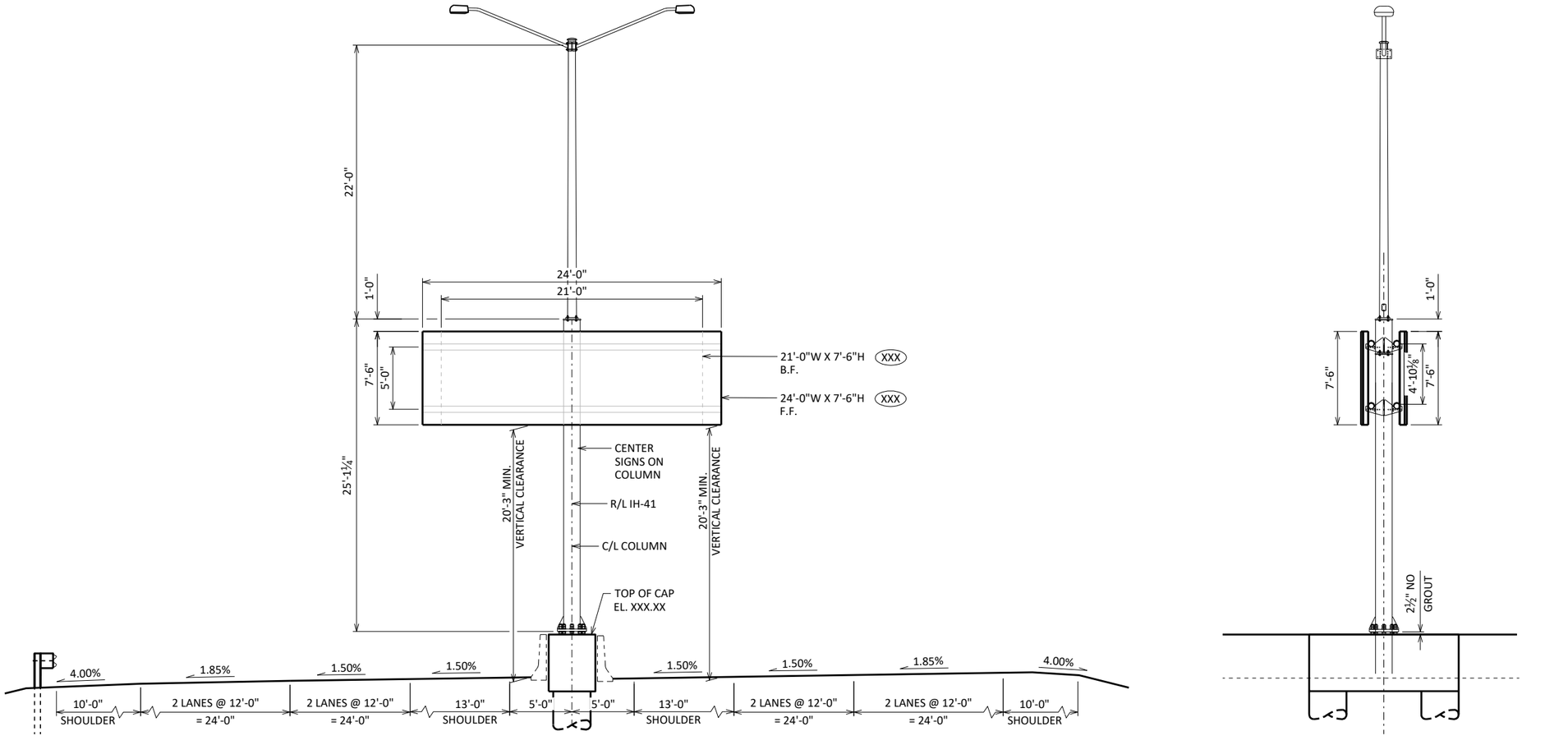
1100-20-71



PLAN



LOCATION MAP



ELEVATION

LOOKING NORTH AT F.F. OF SIGN
STA. 197+00 IH-41 NB

END VIEW

LOOKING WEST

NOTE

S-40-239 TO BE REMOVED AFTER S-40-3062 IS COMPLETED. S-40-239 IS A STEEL 2-CHORD BUTTERFLY ON A STEEL COLUMN WITH LIGHT POLE AND DRILLED SHAFT WITH CAP FOUNDATIONS.

LEGEND

☆ ELEVATIONS ARE ALONG C/L TRUSS.

(---) SIGN NUMBER, SEE PERMANENT SIGNING PLAN.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE S-40-3062

DRAWN BY SAD | PLANS CK'D

GENERAL PLAN & ELEVATION

SHEET 2

PRE_188

SCALE = 4.00

8

8

DESIGN DATA

DESIGNED ACCORDING TO THE AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 1ST EDITION AND INTERIM SPECIFICATIONS, AND THE WISDOT BRIDGE MANUAL

FOUNDATION DESIGNED ACCORDING TO THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION.

DEAD LOAD: WT. OF SIGN AND SUPPORTING STRUCTURE.
ICE LOAD: 3 PSF TO ONE FACE OF SIGN & SURFACE OF MEMBERS.
WIND PRESSURE: 115 MPH (3-SEC. GUST SPEED) TO SIGN AREA & EXPOSED MEMBERS. (700 YEAR MEAN RECURRENCE INTERVAL)

WIND COMPONENTS	NORMAL	TRANSVERSE
LOAD CASE 1:	1.00	0.00
LOAD CASE 2:	0.00	1.00
LOAD CASE 3:	0.75	0.75

LOAD COMBINATIONS

STRENGTH I:	1.25 DC + 1.6 LL
EXTREME I:	(MAX DC): 1.1 DC + 1.0 W + 1.0 ICE
EXTREME I:	(MIN DC): 0.9 DC + 1.0 W
SERVICE I:	1.0 DC + 1.0 W
FATIGUE I:	1.0 NWG (NATURAL WIND GUST VIBRATION)
	1.0 TRG (TRUCK INDUCED GUST VIBRATION)

MATERIAL PROPERTIES

CONCRETE MASONRY ——— f'_c = 3,500 PSI

HIGH STRENGTH STEEL
REINFORCEMENT, GRADE 60 ——— f_y = 60,000 PSI

STRUCTURAL ANGLES,
PLATE AND BARS - ASTM A709 GRADE 36 ——— f_y = 36,000 PSI

CHORDS - ASTM A500 GRADE C ——— f_y = 46,000 PSI

COLUMN PIPE
DESIGN TRUSS TYPE I - ASTM A500 GRADE C ——— f_y = 46,000 PSI
DESIGN TRUSS TYPE II - API 5L PSL2 GRADE 46 ——— f_y = 46,000 PSI

HIGH STRENGTH BOLTS - A325 ——— f_y = 92,000 PSI

ANCHOR RODS - ASTM F1554 GRADE 55

HEAVY HEX NUTS FOR ANCHOR RODS - ASTM A563A

WASHERS FOR ANCHOR RODS - ASTM F436

FOUNDATION DATA

SIGN STRUCTURE FOUNDATIONS ARE SUPPORTED ON DRILLED SHAFTS THAT HAVE BEEN DESIGNED FOR SITES WHERE SOILS EXHIBIT A PHI-ANGLE GREATER THAN OR EQUAL TO 24° (GRANULAR SOILS), OR A COHESION VALUE GREATER THAN OR EQUAL TO 750 PSF (COHESIVE SOILS) AND A UNIT WEIGHT OF 125 PCF. THE GROUND WATER TABLE FOR DESIGN IS ASSUMED TO BE AT A DEPTH OF 10'-0" BELOW THE GROUND SURFACE, ACTUAL WATER LEVEL AT SITE MAY VARY. THE REGION GEOTECHNICAL ENGINEER SHALL VISUALLY INSPECT THE SUBSURFACE SOILS DURING DRILLING OF THE SHAFT HOLE TO CONFIRM THESE PROPERTIES PRIOR TO PLACEMENT OF THE DRILLED SHAFT CONCRETE.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALTERNATE DESIGNS ARE NOT ALLOWED.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), XXXX COUNTY ZONE, NAD 83 (1997). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2007).

ALL REINFORCING BARS ARE IN ENGLISH UNITS. THE FIRST DIGIT OF A THREE-DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR-DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

SIGN BRIDGE ID PLAQUES SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "TRUSS CANTILEVER 4-CHORD (TYPE)" FOR EACH APPLICABLE SIGN STRUCTURE IN THE PLAN SET. LOCATE THE ID PLAQUE ON THE FREEWAY SIDE OF THE SUPPORT COLUMN SO THAT IT CAN BE SEEN FROM THE ROADWAY. FABRICATE AND INSTALL THE ID PLAQUE IN ACCORDANCE WITH S.D.D. 12 A 4-3.

CATWALKS ARE USED ON 4-CHORD STRUCTURES CARRYING DMS SIGNS. CATWALKS SHALL BE INCIDENTAL TO THE BID ITEM "TRUSS CANTILEVER 4-CHORD (TYPE)" FOR EACH DMS SIGN STRUCTURE IN THE PLAN SET.

UNLESS DETAILED OTHERWISE IN THE PLANS, ALL H.S. BOLTED CONNECTIONS SHALL BE MADE WITH ¾" DIA A325 GALVANIZED BOLTS. FIELD CONNECTIONS SHALL BE INSTALLED WITH DTI WASHERS.

WELDED CONNECTIONS CAN BE USED IN LIEU OF BOLTED CONNECTIONS, IF A TRUSS UNIT CAN BE GALVANIZED IN ONE PIECE.

WELD TEST AS PER AWS D1.1.

SEE SIGN PLATE NO. A4-6, A4-7A & A4-7B OF THE SIGN PLATE MANUAL FOR INSTRUCTIONS ON CENTERING SIGNS VERTICALLY ON THE TRUSS.

SIGNS OR BLANKS SHALL BE INSTALLED ON TRUSS AT TIME OF ERECTION. BLANKS SHALL BE 1/4 THE LENGTH OF THE CANTILEVER SPAN, 2'-0" DEEPER THAN THE C/L TO C/L OF CHORDS, AND SHALL BE CENTERED ON THE BRIDGE. SIGNS SHALL BE AS DESIGNATED ON THE PLANS.

THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION OF THE TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS PER THE REQUIREMENTS IN THE STANDARD SPECIFICATIONS PRIOR TO FABRICATION OF THE STRUCTURE. CONTRACTOR SHALL SHOW SIGNS ON THE SHOP DRAWINGS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DRILLING OR EXCAVATING AND MAINTAINING A STABLE AND OPEN HOLE FOR SUBSEQUENT INSTALLATION OF CONCRETE MASONRY FOR THE DRILLED SHAFTS. PARTIAL OR FULL DEPTH TEMPORARY CASING MAY BE REQUIRED TO MAINTAIN THE STABILITY OF THE EXCAVATED HOLE FOR THE SIGN SUPPORT PRIOR TO FILLING THE HOLE WITH CONCRETE. PERMANENT CASING MADE FROM STEEL OR CORRUGATED METAL PIPE MAY BE USED IN LIEU OF TEMPORARY CASING. TEMPORARY/PERMANENT CASING, IF USED, SHALL BE INCIDENTAL TO THE BID ITEM "DRILLING SHAFT (DIA)".

STRUCTURE DESIGN DATA

STRUCTURE ID	OVERHEAD SIGN AREA	MAX. PANEL DEPTH	STANDARD DESIGN
S-40-3088	190 SF	12'-6"	TYPE II
S-40-3089	170 SF	10'-6"	TYPE II

STATE PROJECT NUMBER

1100-20-71

TRAFFIC VOLUME

IH 41 NB

A.D.T. (2041) = 169,300
R.D.S. = 60 MPH

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	S-40-3088	S-40-3089	TOTAL
531.2036	DRILLING SHAFT 36-INCH	LF	1	1	2
531.6020	FOUNDATION TWO-SHAFT TYPE II	EACH	1	1	2
532.6020	TRUSS CANTILEVER 4-CHORD TYPE II	EACH	1	1	2

LIST OF DRAWINGS:

1. GENERAL NOTES & DESIGN DATA
2. LAYOUT S-40-3088
3. LAYOUT S-40-3089

LIST OF STANDARD DRAWINGS

4. I. 4-CHORD TRUSS CANTILEVER
5. II. 4-CHORD TRUSS CANT. CONNECTION DETAILS 1
6. III. 4-CHORD TRUSS CANT. CONNECTION DETAILS 2
7. IV 4-CHORD TRUSS CANT. CONNECTION DETAILS 3
8. V. 4-CHORD TRUSS CANT. CATWALK DETAILS
9. VI. 4-CHORD TRUSS CANT. ELECTRICAL DETAILS
10. VII. 4-CHORD TRUSS CANT. FOUNDATION DETAILS 1
11. VIII. 4-CHORD TRUSS CANT. FOUNDATION DETAILS 2

STRUCTURE DESIGN CONTACTS:
AARON BONK 608-261-0261
STEVEN DOOCY 608-261-6063

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

4-CHORD CANTILEVER TRUSS PLANS

IH-41 ZOO FREEWAY

COUNTY	CITY
MILWAUKEE	WAUWATOSA

DESIGN SPEC.
AASHTO LRFD-LTS1 W/ INTERIM REVISIONS

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
SAD		SAD	

GENERAL NOTES & DESIGN DATA

SHEET 1 OF 11

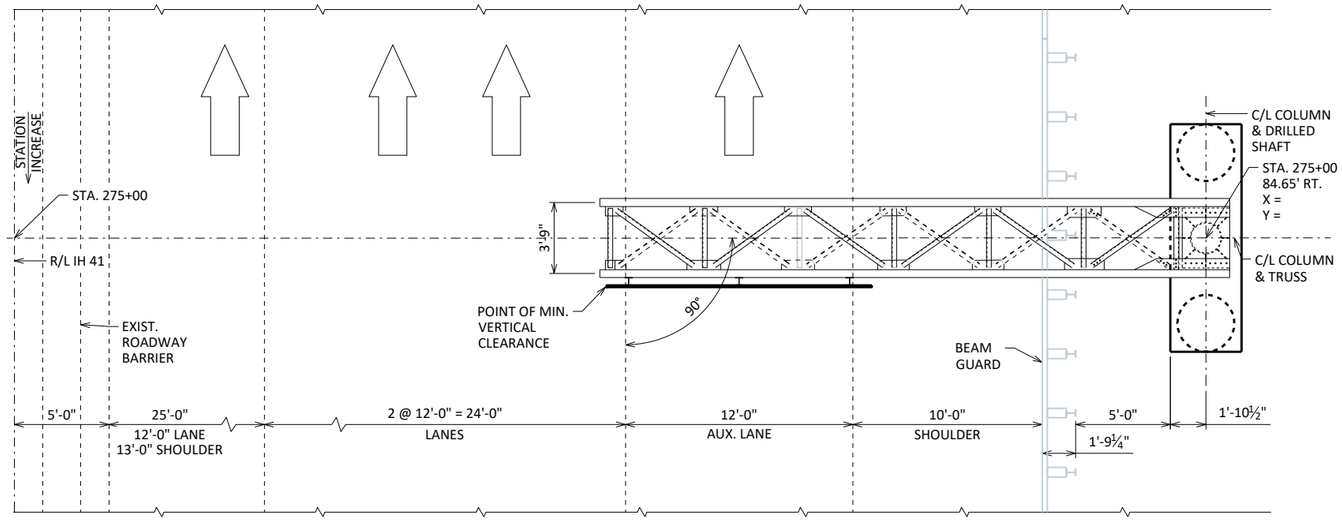
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I.D. 1100-20-00 DATE: JUNE 2021

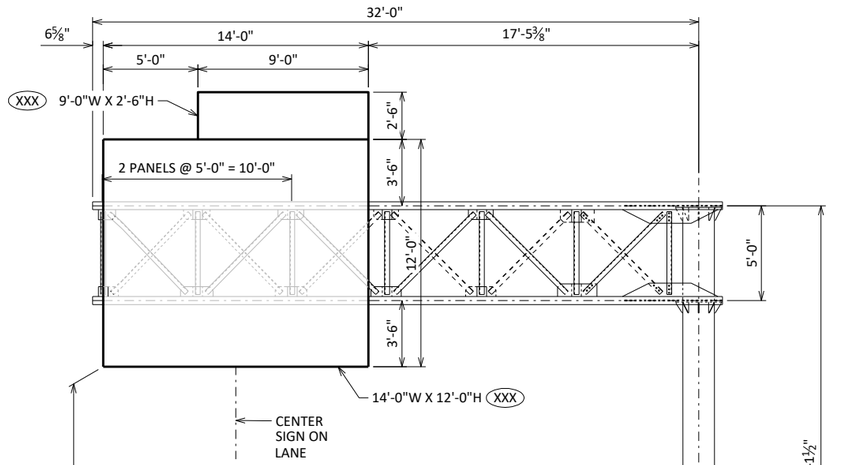
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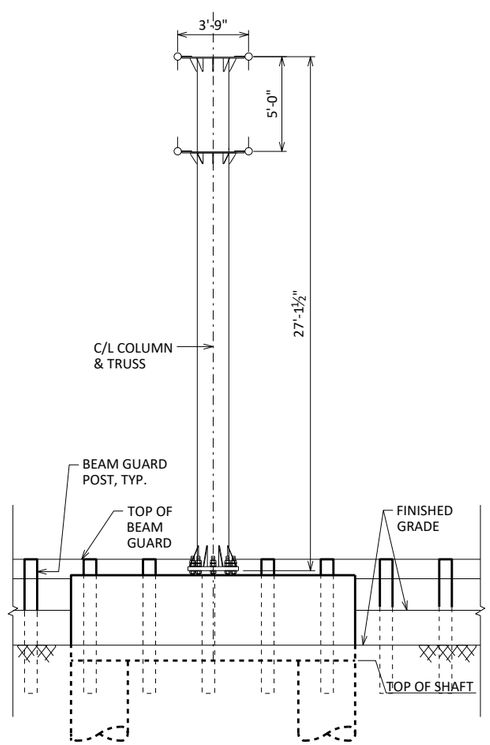


PLAN



ELEVATION

LOOKING SOUTH AT F.F. OF SIGN
STA. 275+00 IH-41 SB

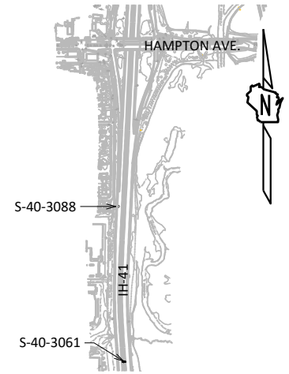


END VIEW

LOOKING WEST

STATE PROJECT NUMBER

1100-20-71



LOCATION MAP

LEGEND

☆ ELEVATIONS ARE ALONG C/L TRUSS.

(---) SIGN NUMBER, SEE PERMANENT SIGNING PLAN.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE S-40-3088

DRAWN BY SAD | PLANS CK'D

GENERAL PLAN & ELEVATION

SHEET 2

PRE_190

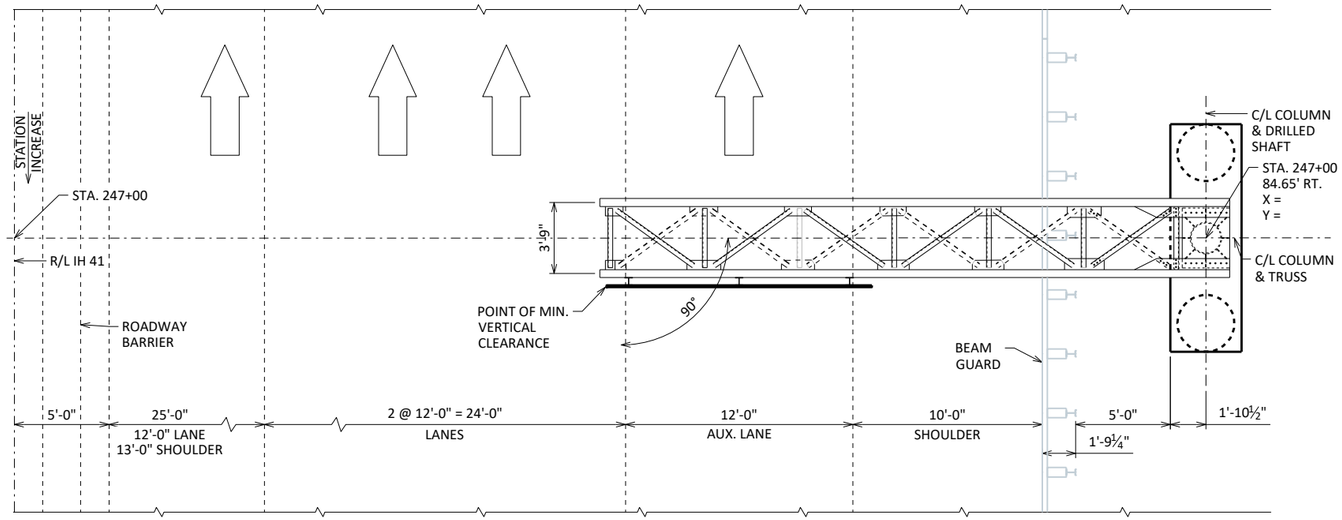
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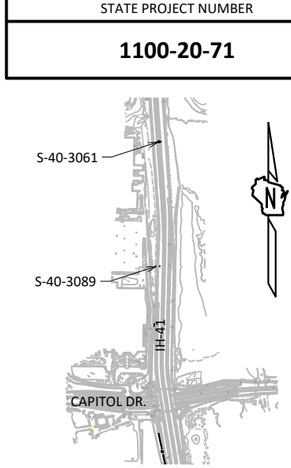
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STATE PROJECT NUMBER

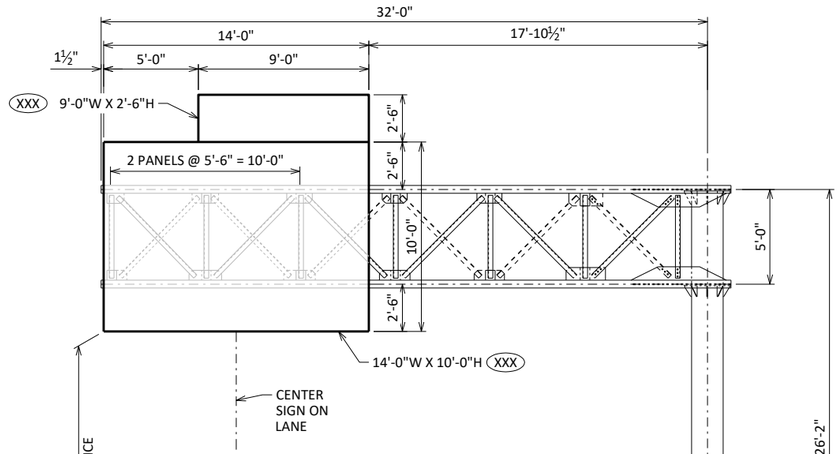
1100-20-71



PLAN

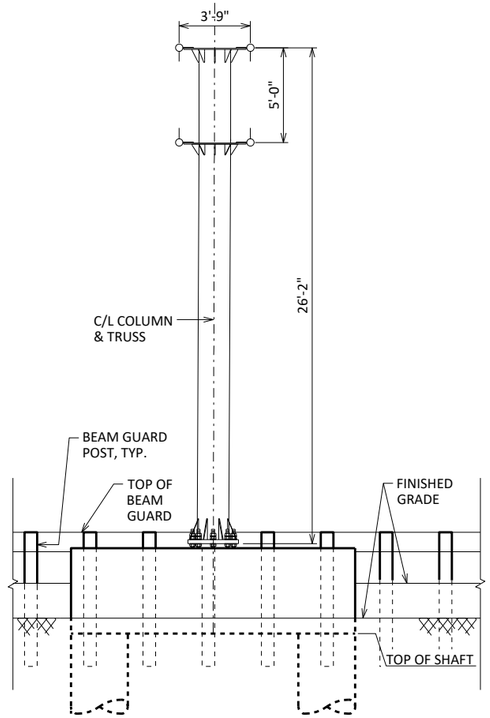


LOCATION MAP



ELEVATION

LOOKING NORTH AT F.F. OF SIGN
STA. 221+00 IH-41 NB



END VIEW

LOOKING WEST

LEGEND

☆ ELEVATIONS ARE ALONG C/L TRUSS.

(---) SIGN NUMBER, SEE PERMANENT SIGNING PLAN.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE S-40-3089

DRAWN BY SAD | PLANS CK'D

GENERAL PLAN & ELEVATION

SHEET 3

PRE_191

SCALE = 4.00

8

8

750

740

730

EX
RW

ELEC

ELEC

WETLAND

WETLAND

24.0:1

25.0:1

MATCH EXISTING

R/L
AUX

245+18

-31.23
-35.19
-31.21
-26.70

4 FT

10 FT

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_192

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090201_XS

PLOT DATE : 10/19/2021 1:08 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

750

740

730

EX
RW

ELEC

ELEC

WETLAND

WETLAND

10.6:1

25.0:1

MATCH EXISTING

730.85

730.90

730.69

R/L
AUX

245+50

4 FT

10 FT

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

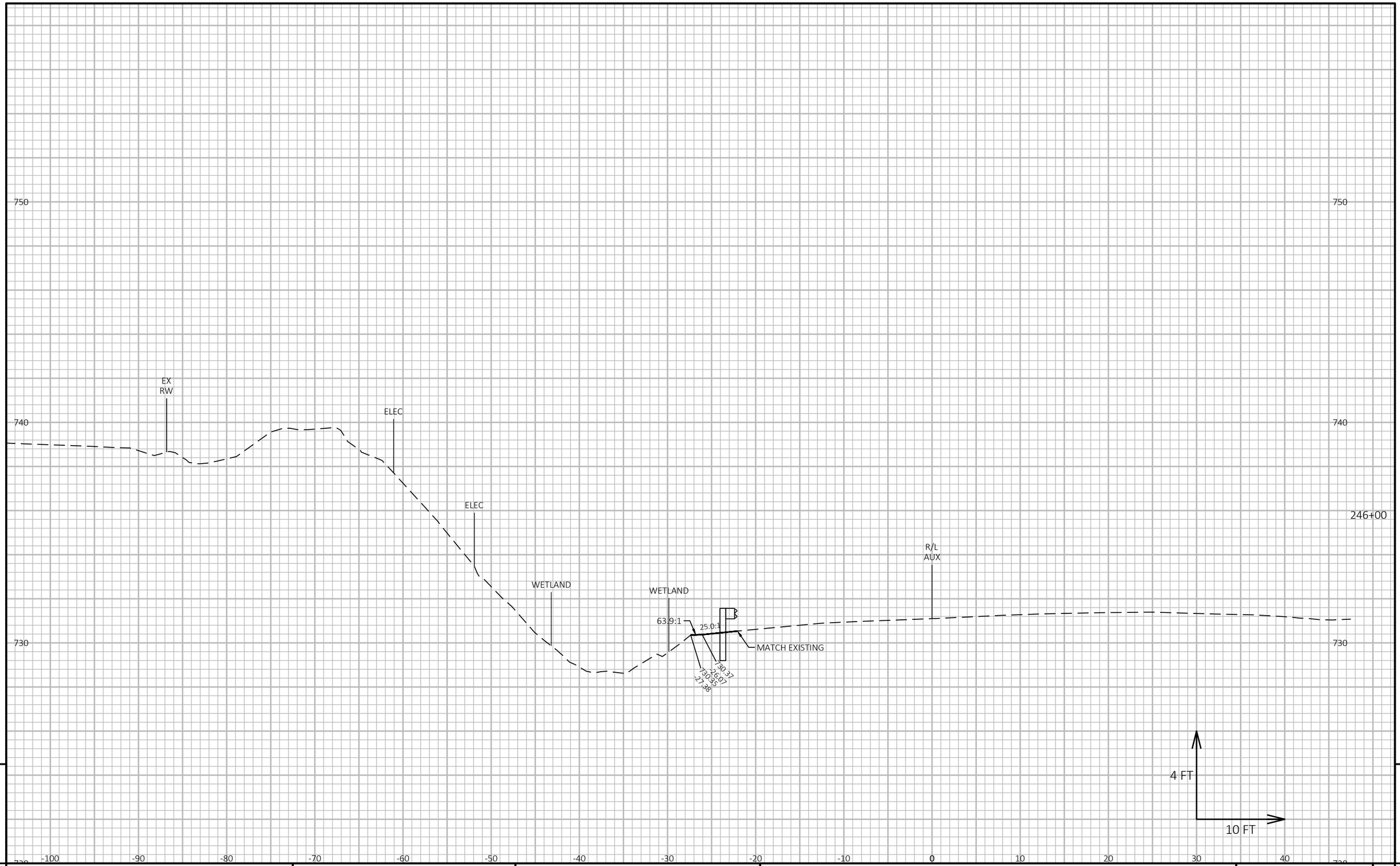
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_193

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090202_XS

PLOT DATE : 10/19/2021 1:08 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

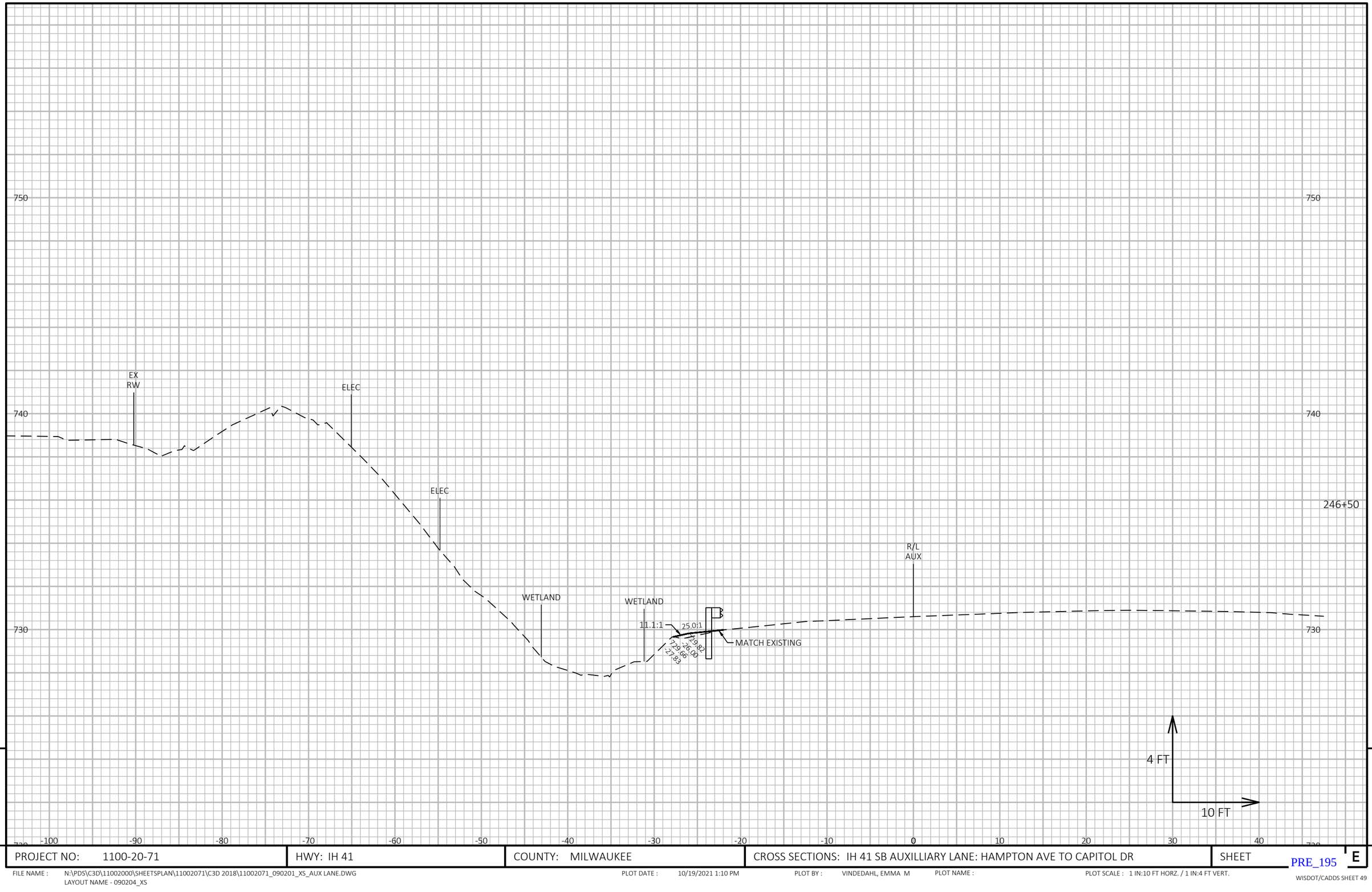
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET	E

PRE_194

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090203_XS

PLOT DATE : 10/19/2021 1:09 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090204_XS

PLOT DATE : 10/19/2021 1:10 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_195



9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

750

740

730

EX
RW

ELEC

ELEC

WETLAND

WETLAND

R/L
AUX

25.0:1

5.8%

-28.44

-25.86

-27.88

-29.06

MATCH EXISTING

247+50

4 FT

10 FT

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

9

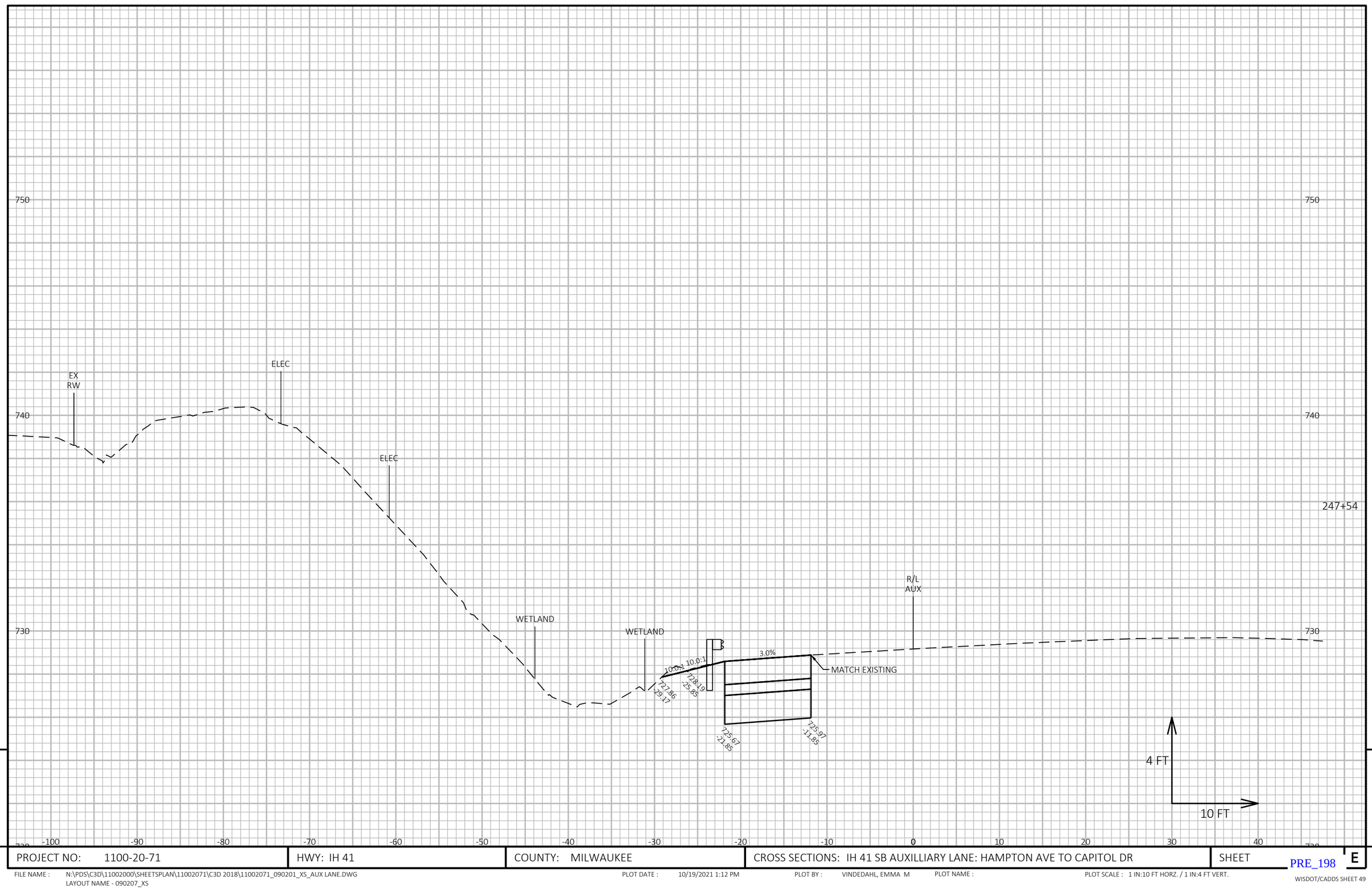
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_197

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090206_XS

PLOT DATE : 10/19/2021 1:11 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

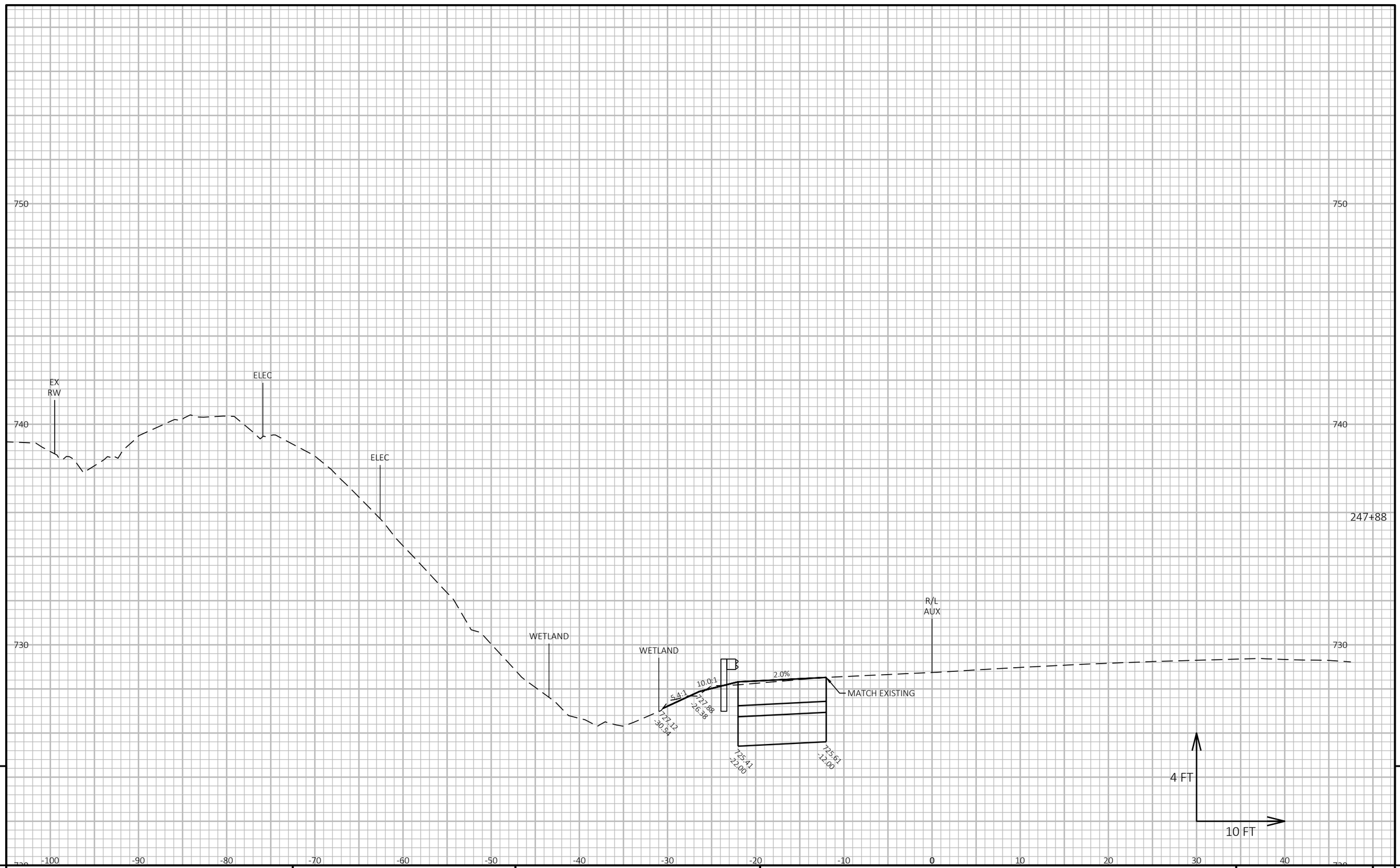
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_198

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090207_XS

PLOT DATE : 10/19/2021 1:12 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

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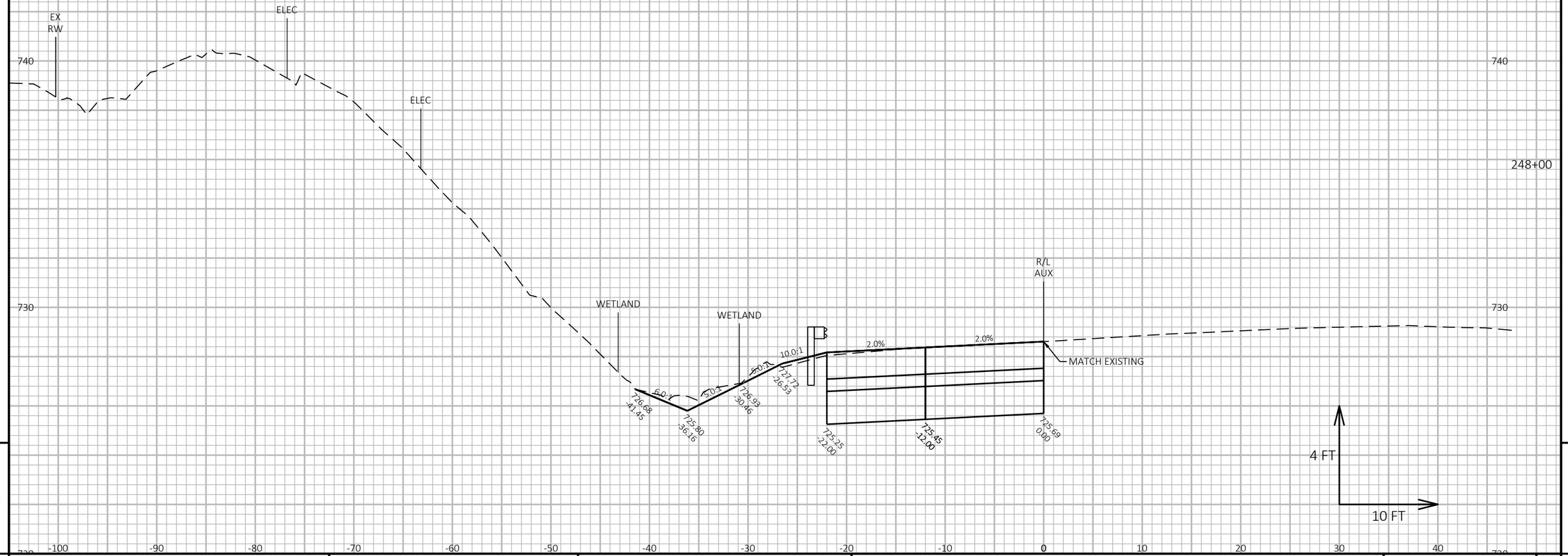
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090208_XS

PLOT DATE : 10/19/2021 1:12 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_199

WISDOT/CADDS SHEET 49



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PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET PRE_200 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090209_XS

PLOT DATE : 10/19/2021 1:13 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

750

740

730

EX
RW

ELEC

ELEC

WETLAND

WETLAND

10.0:1

4.8:1

4.8:1

4.8:1

725.62
-41.52

725.60
-36.44

726.87
-30.56

727.65
-26.60

2.0%

2.0%

R/L
AUX

MATCH EXISTING

725.19
-22.00

725.39
-12.00

725.63
0.00

248+05

4 FT

10 FT

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

9

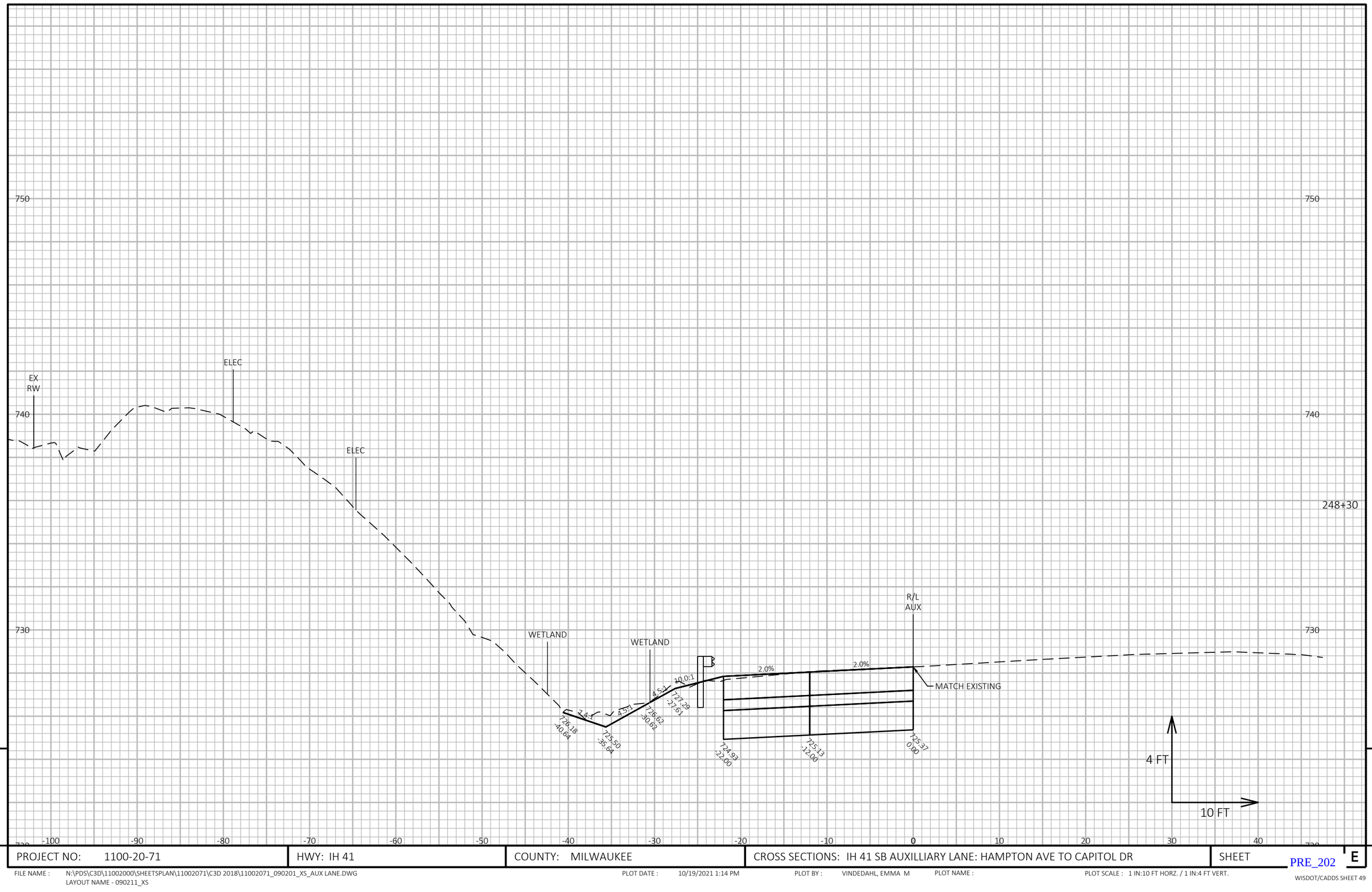
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090210_XS

PLOT DATE : 10/19/2021 1:14 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_201

WISDOT/CADDS SHEET 49



9

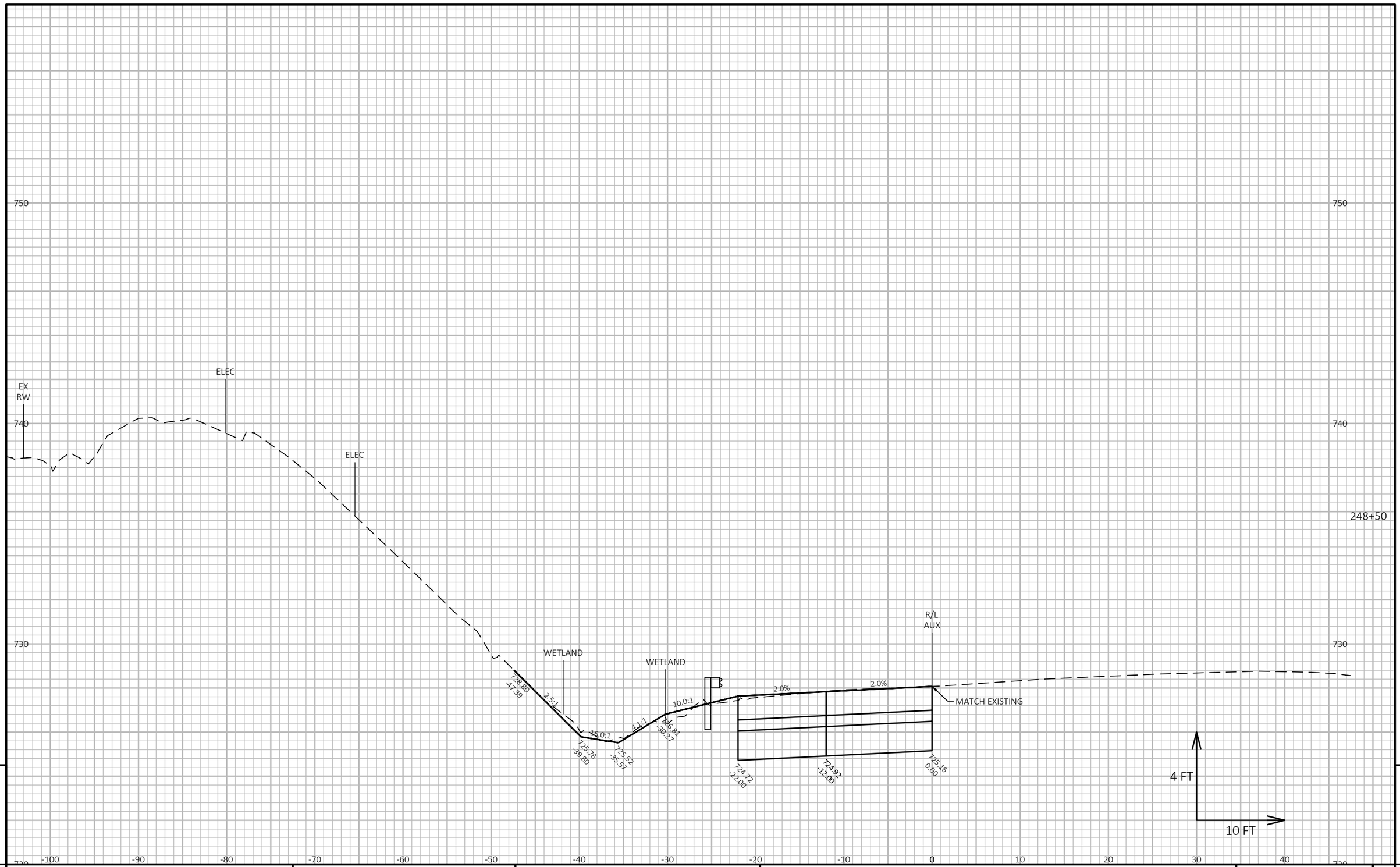
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PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET	E

PRE_202

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090211_XS

PLOT DATE : 10/19/2021 1:14 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.



9

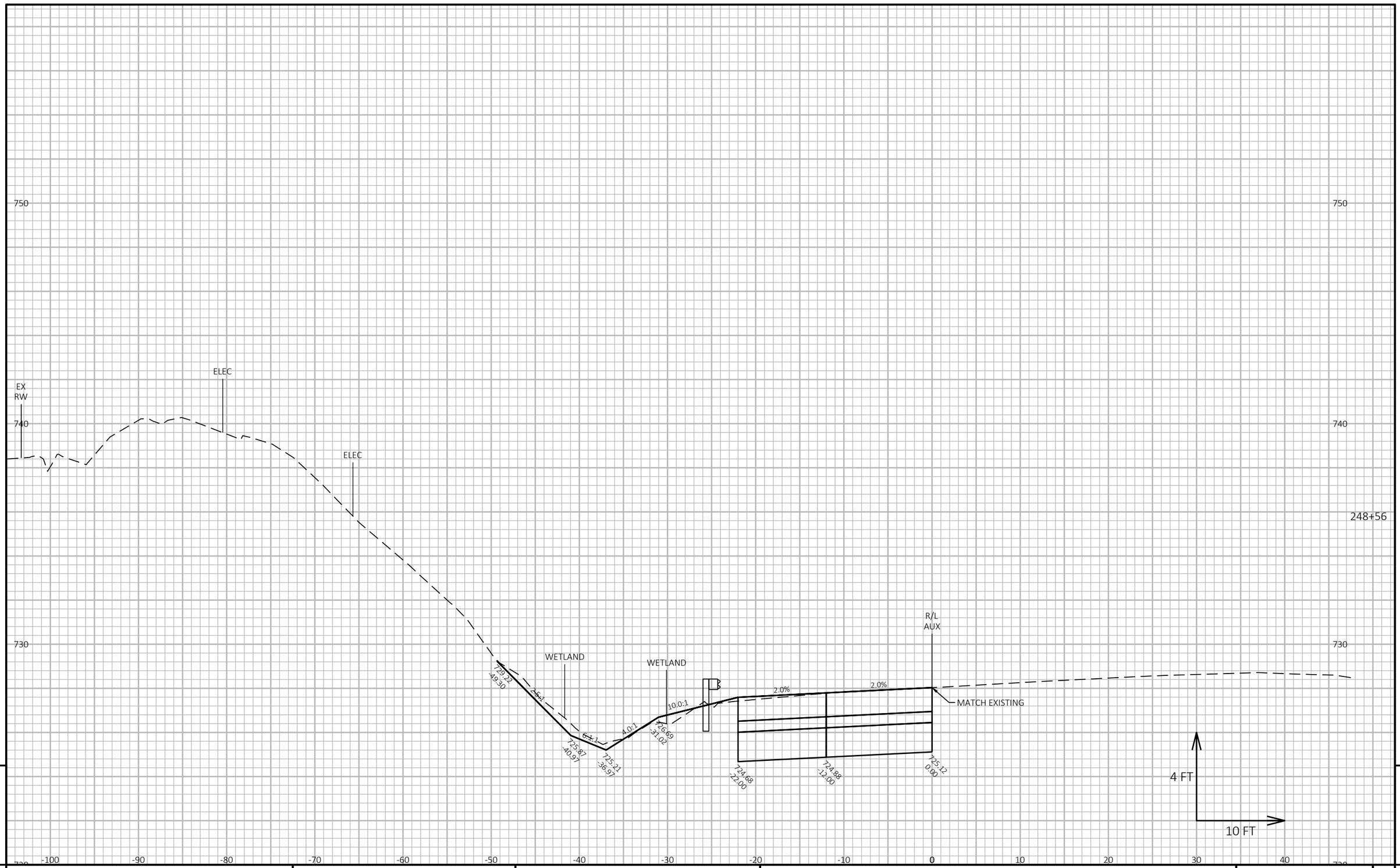
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PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_203

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090212_XS

PLOT DATE : 10/19/2021 1:15 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.



9

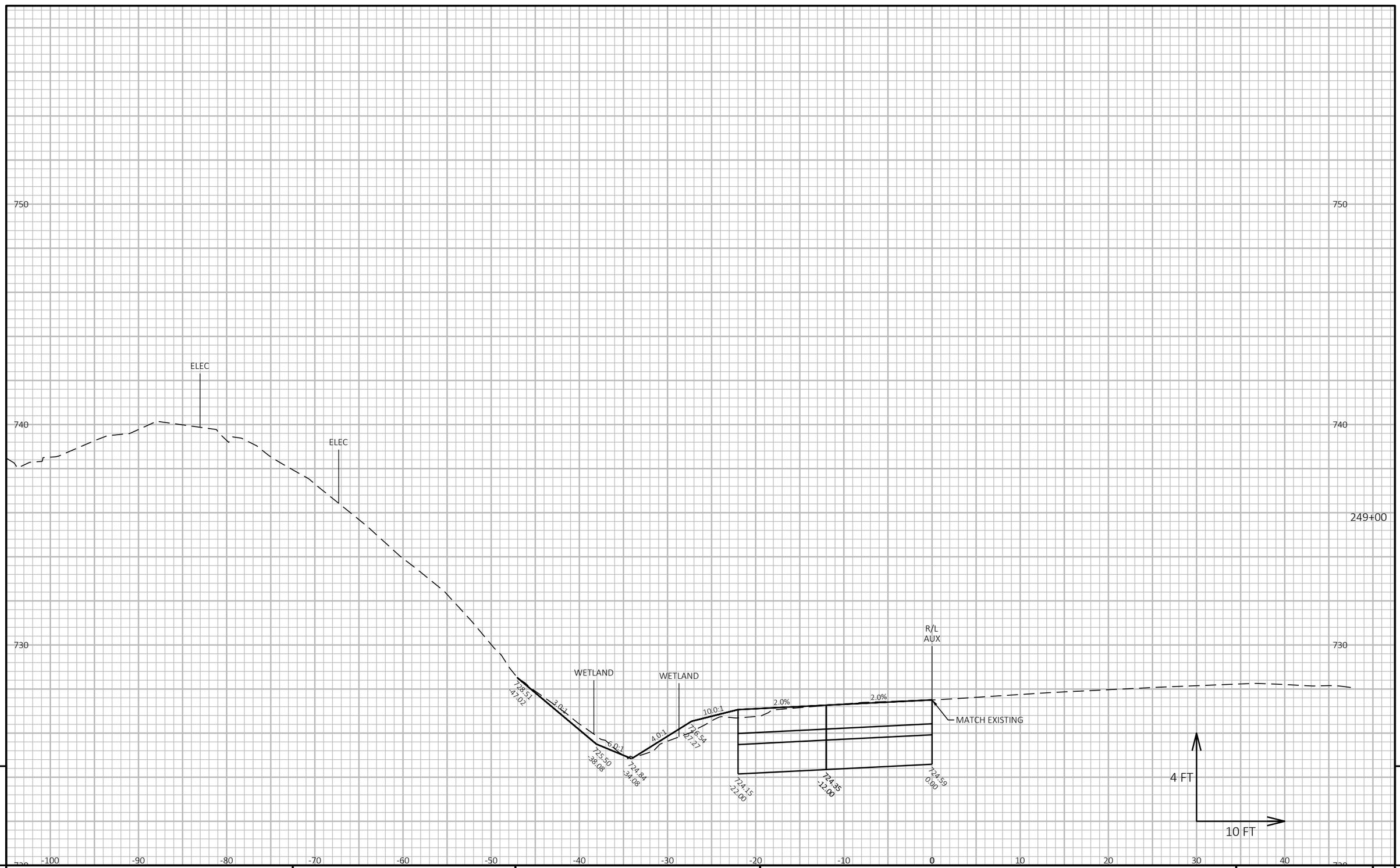
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PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET PRE_204 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090213_XS

PLOT DATE : 10/19/2021 1:16 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

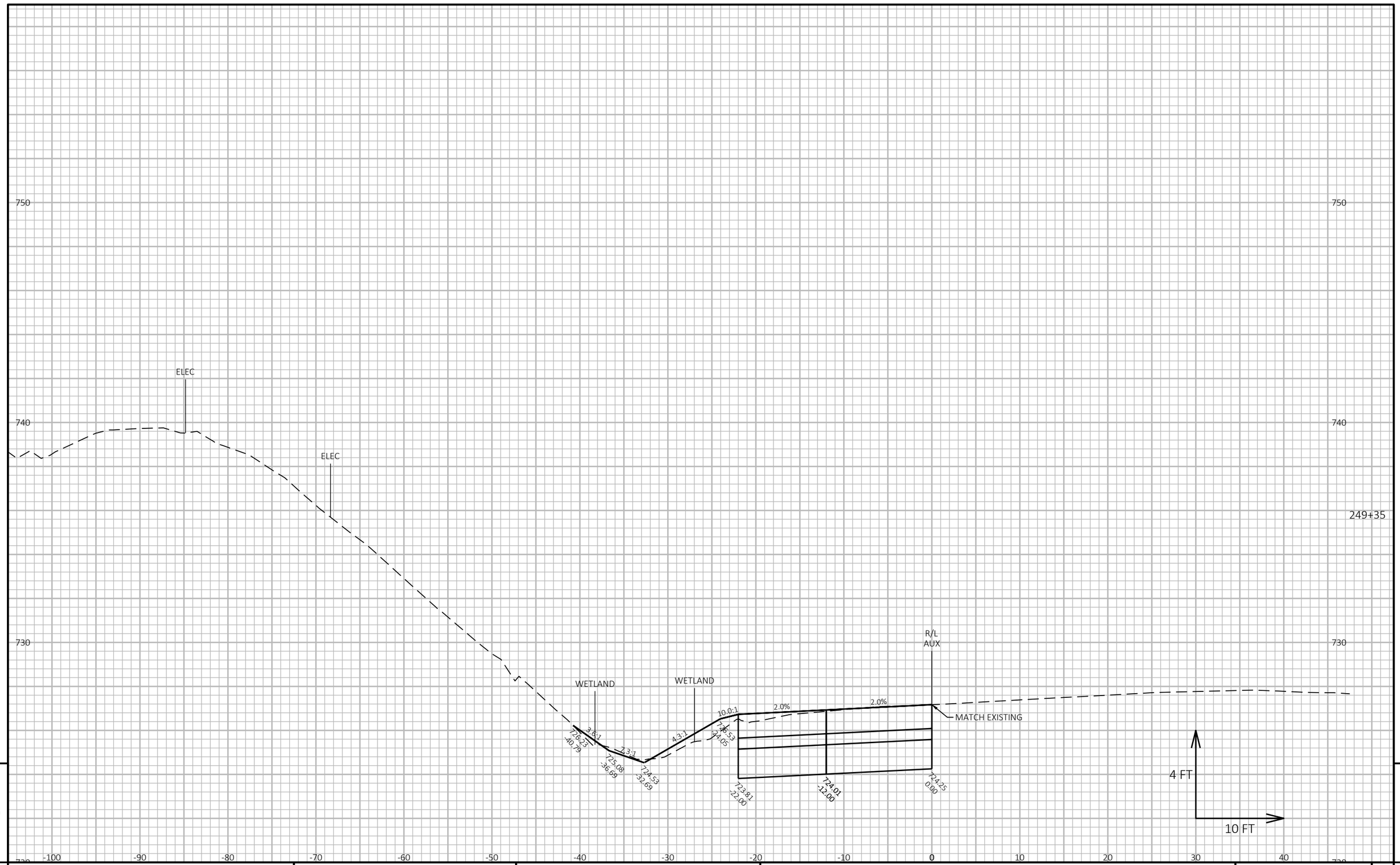
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_205

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090214_XS

PLOT DATE : 10/19/2021 1:16 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

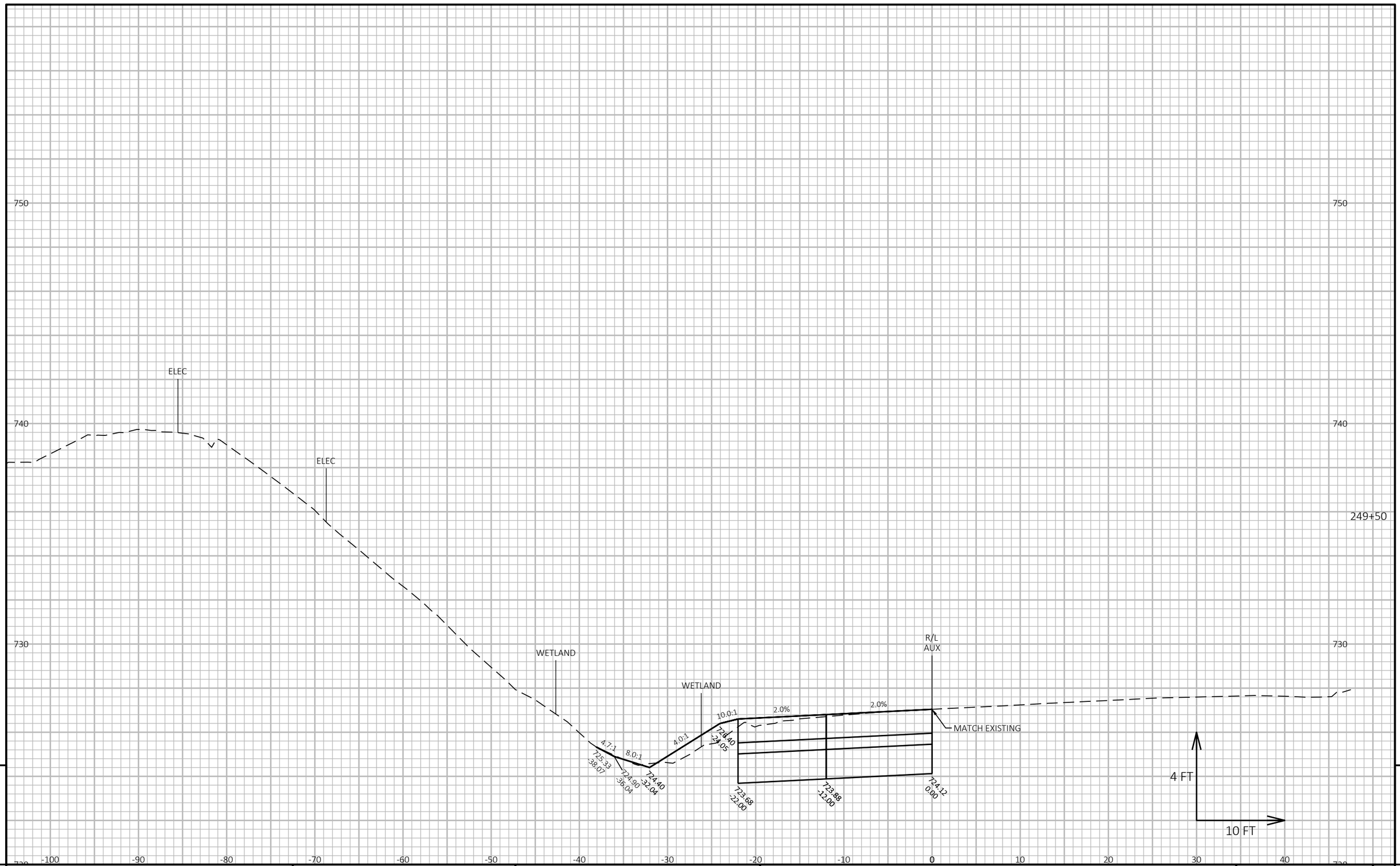
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PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET PRE_206 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090215_XS

PLOT DATE : 10/19/2021 1:17 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_207

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090216_XS

PLOT DATE : 10/19/2021 1:18 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

750

740

730

ELEC

WETLAND

WETLAND

10.0:1

5:3:1

6.0:1

4.0:1

2.0%

2.0%

R/L
AUX

MATCH EXISTING

725.07
-38.02

725.00
-37.66

724.00
-31.66

725.90
-24.05

723.19
-22.00

723.39
-12.00

723.63
0.00

4 FT

10 FT

250+00

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

9

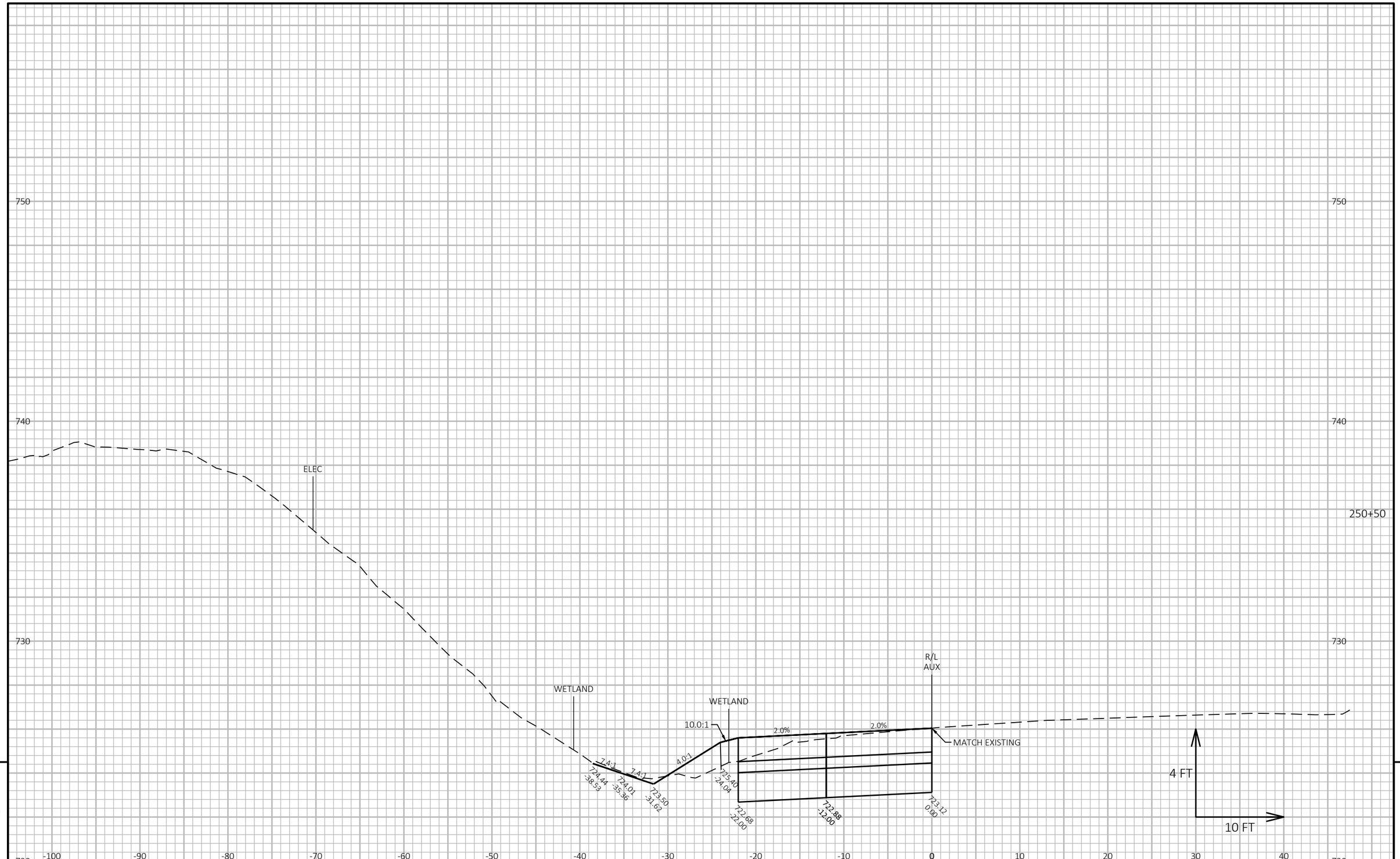
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_208

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090217_XS

PLOT DATE : 10/19/2021 1:18 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

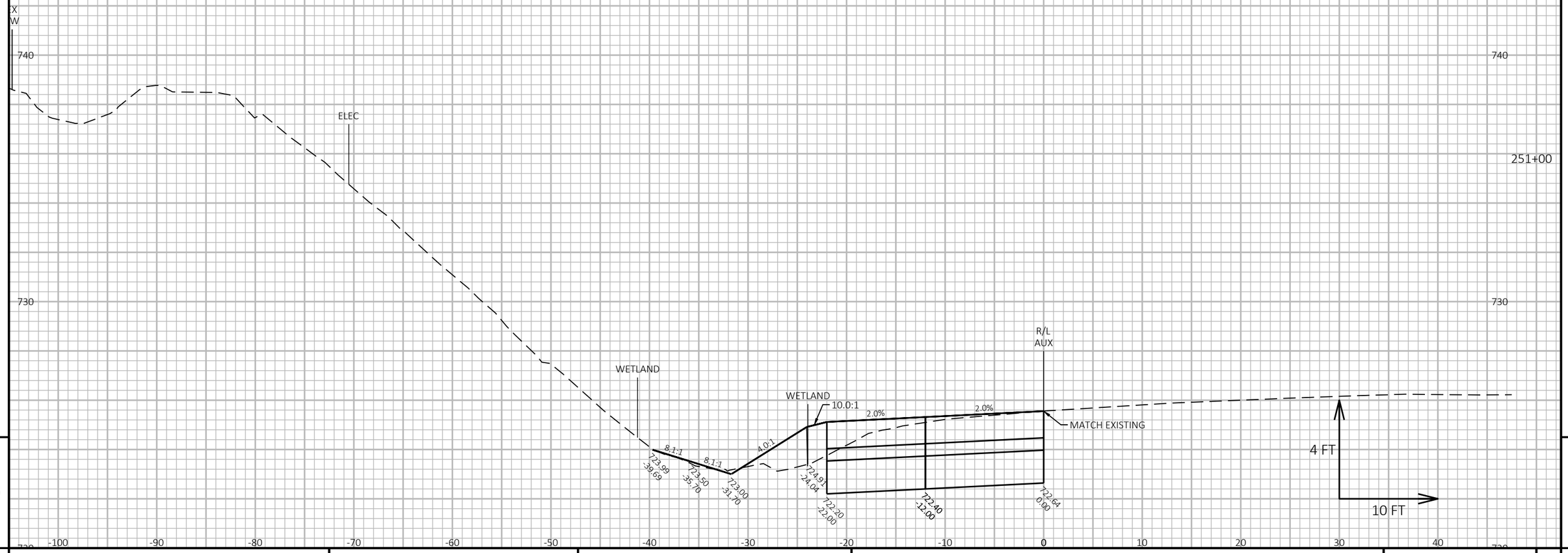
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090218_XS

PLOT DATE : 10/19/2021 1:19 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_209

WISDOT/CADDS SHEET 49



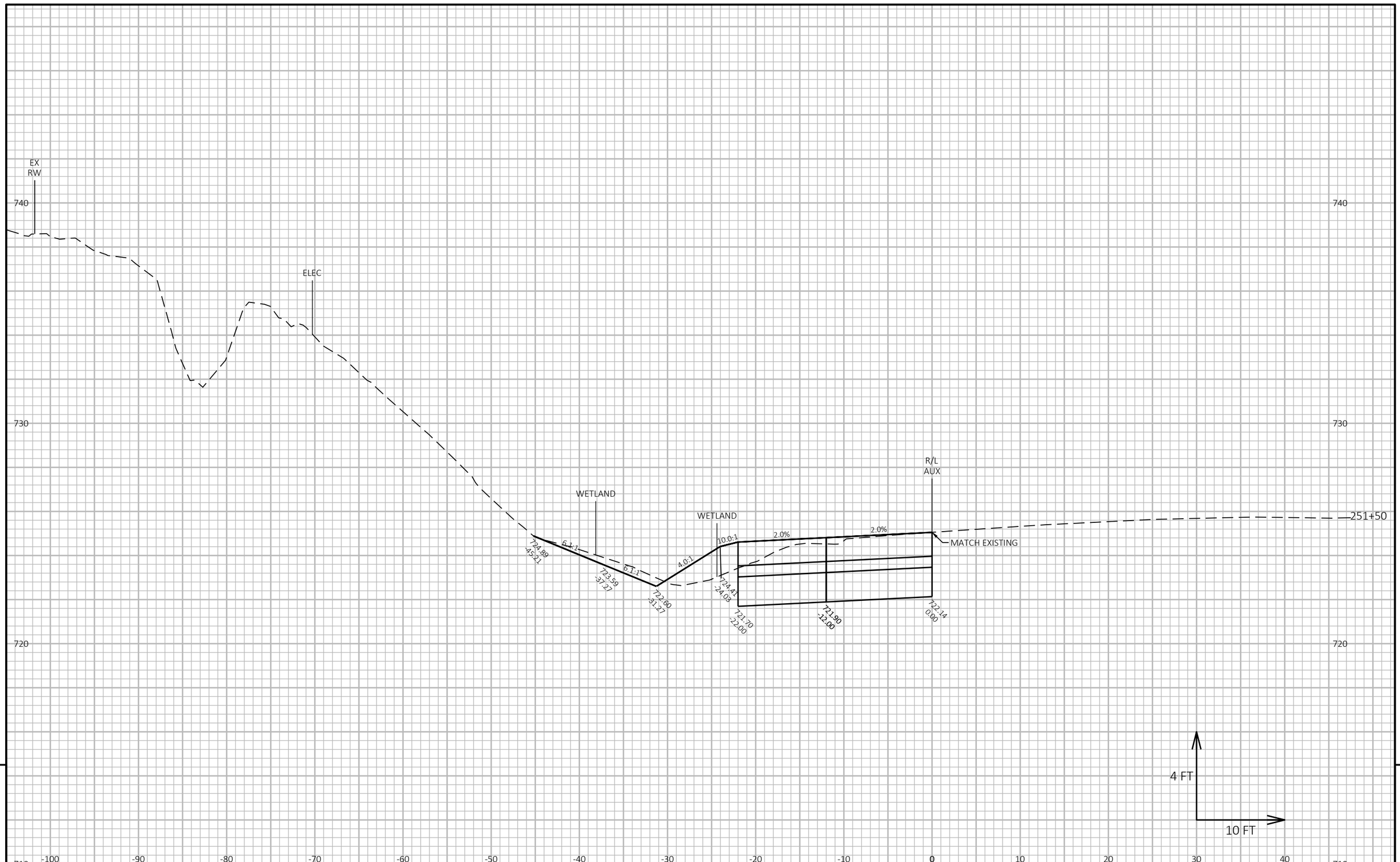
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9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET PRE_210 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090219_XS

PLOT DATE : 10/19/2021 1:20 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.



9

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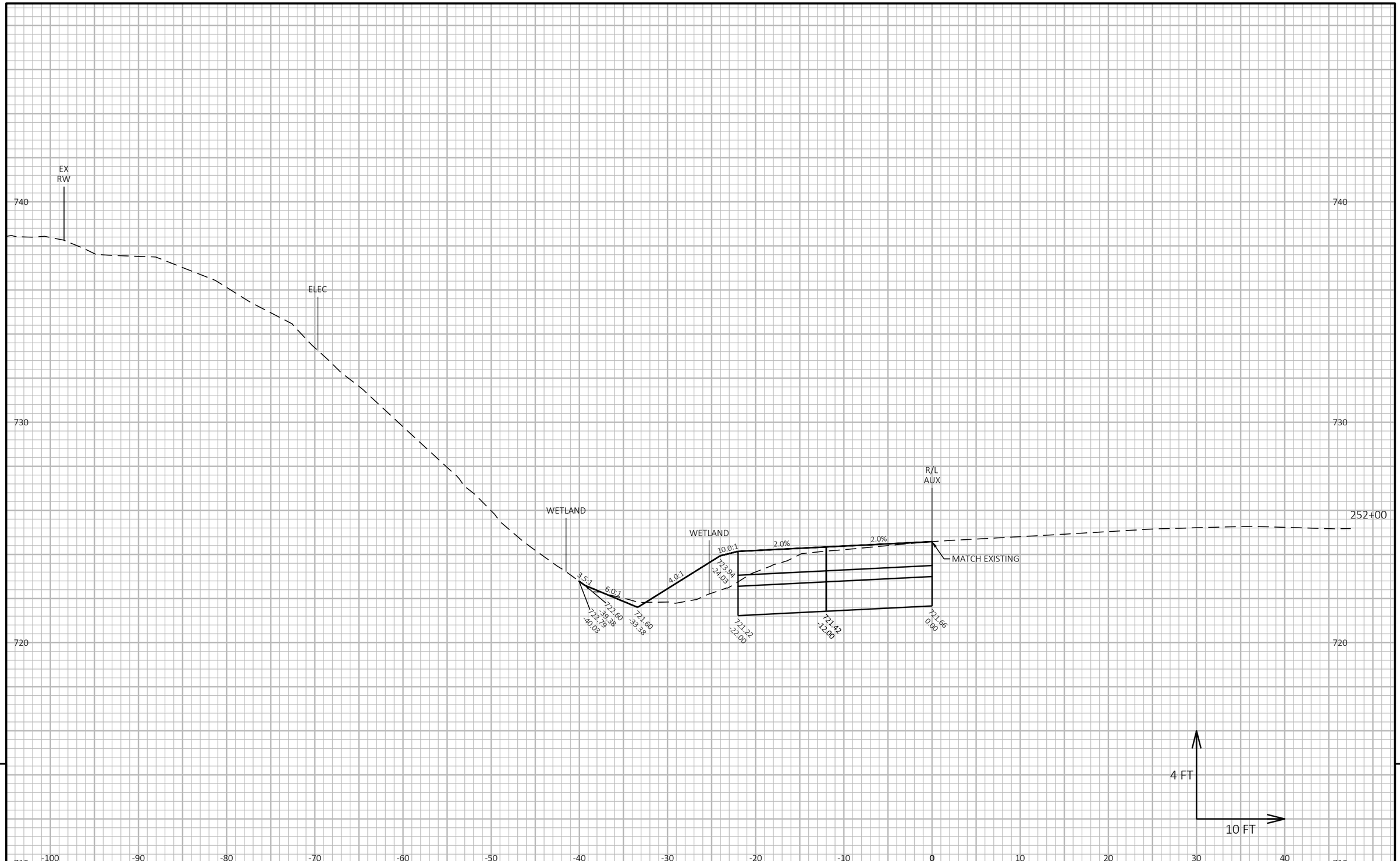
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_211

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090220_XS

PLOT DATE : 10/19/2021 1:20 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

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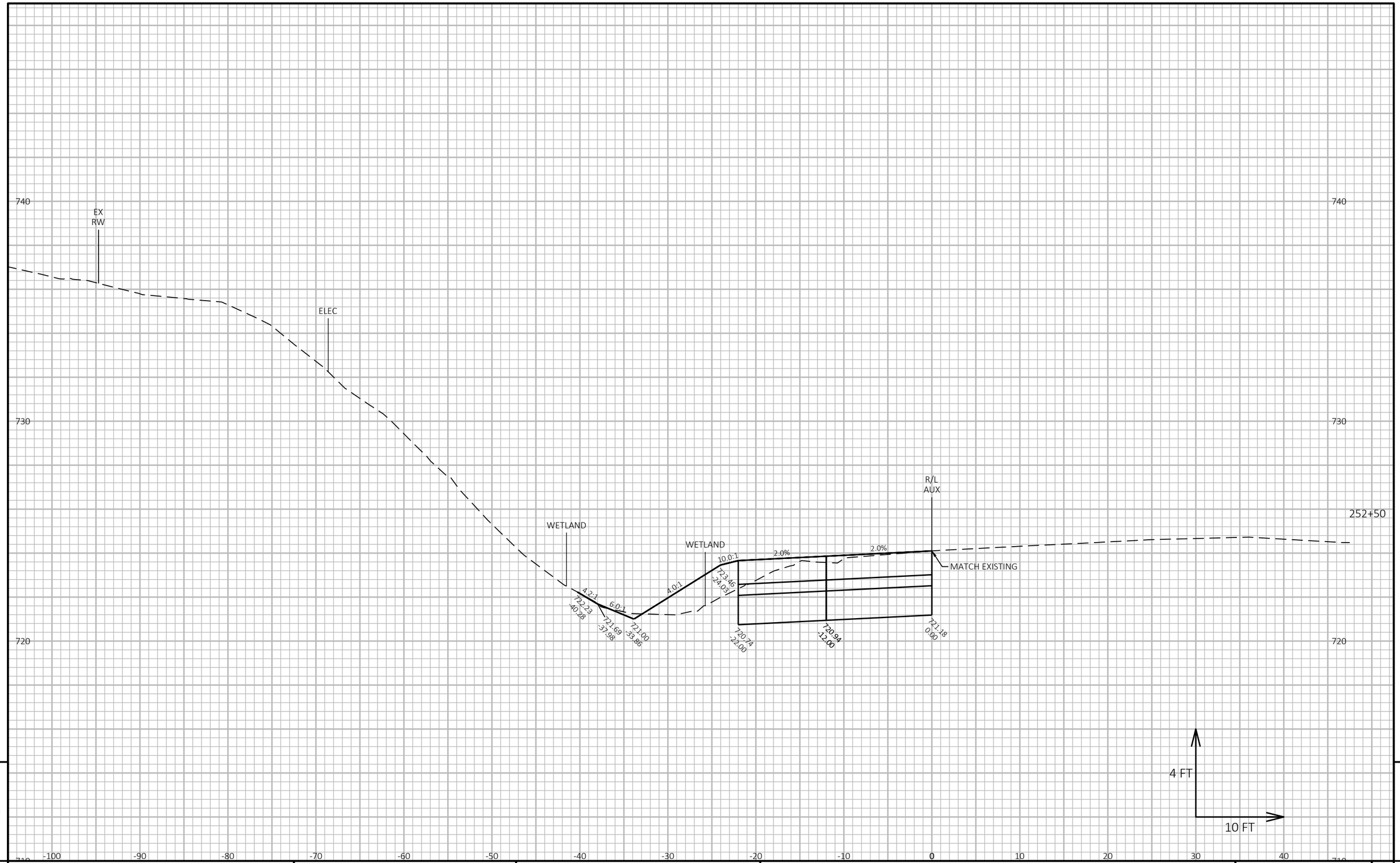
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090221_XS

PLOT DATE : 10/19/2021 1:21 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_212

WISDOT/CADDS SHEET 49



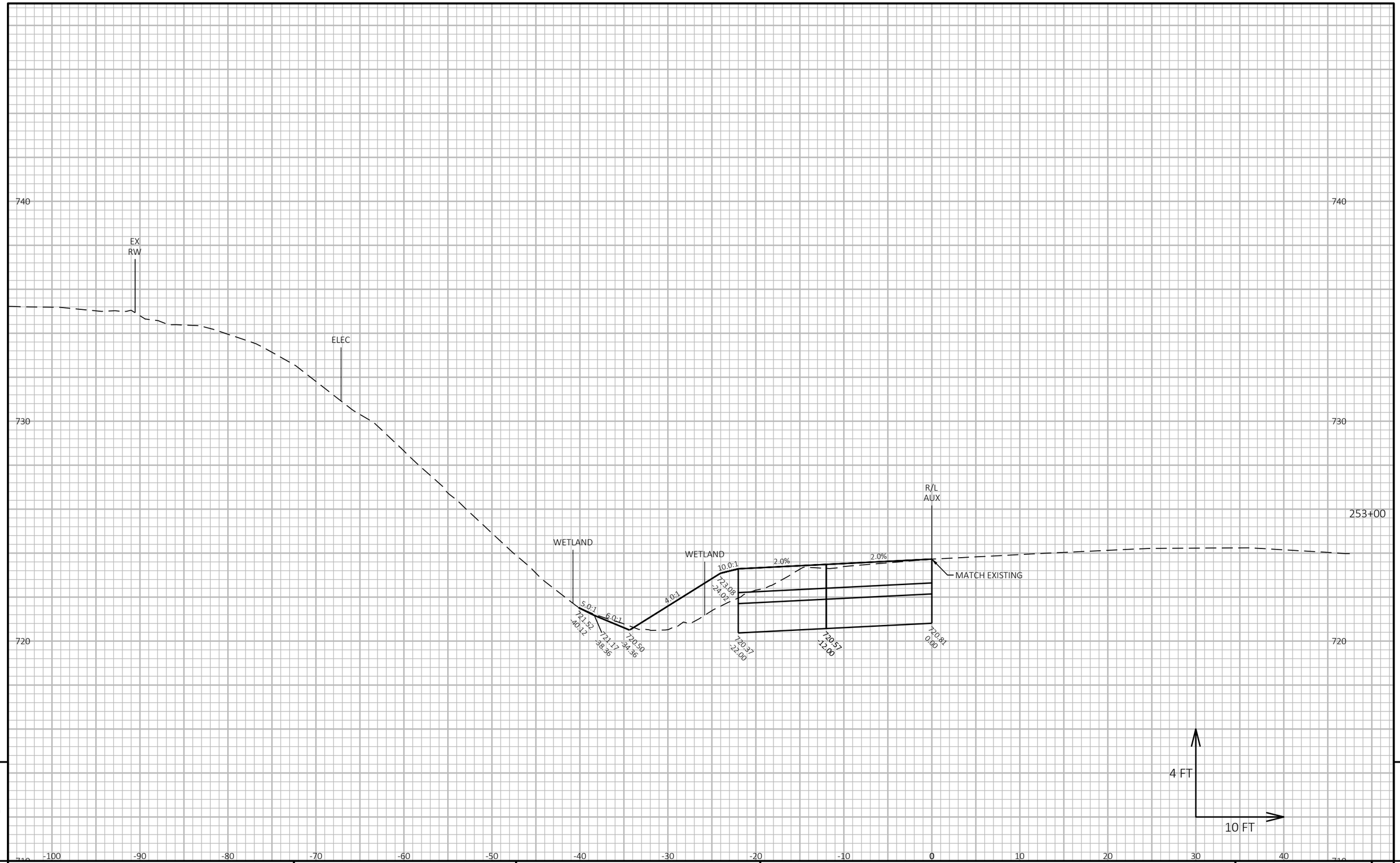
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090222_XS

PLOT DATE : 10/19/2021 1:22 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_213

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_214

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090223_XS

PLOT DATE : 10/19/2021 1:22 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

740

730

720

EX
RW

ELEC

WETLAND

WETLAND

5.2:1

6.0:1

4.0:1

10.0:1

2.0%

2.0%

721.32
-41.10

720.71
-39.98

720.05
-34.98

722.79
-24.02

720.07
-22.00

720.27
-12.00

720.51
0.00

R/L
AUX

MATCH EXISTING

253+50

4 FT

10 FT

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_215

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090224_XS

PLOT DATE : 10/19/2021 1:23 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

740

730

720

EX
RW

ELEC

WETLAND

WETLAND

R/L
AUX

MATCH EXISTING

724.54
-55.90

720.27
-41.97

719.33
-36.33

719.69
-22.00

719.89
-12.00

720.13
0.00

722.41
-24.07

3.3:1

4.0:1

10.0:1

2.0%

2.0%

254+00

4 FT

10 FT

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

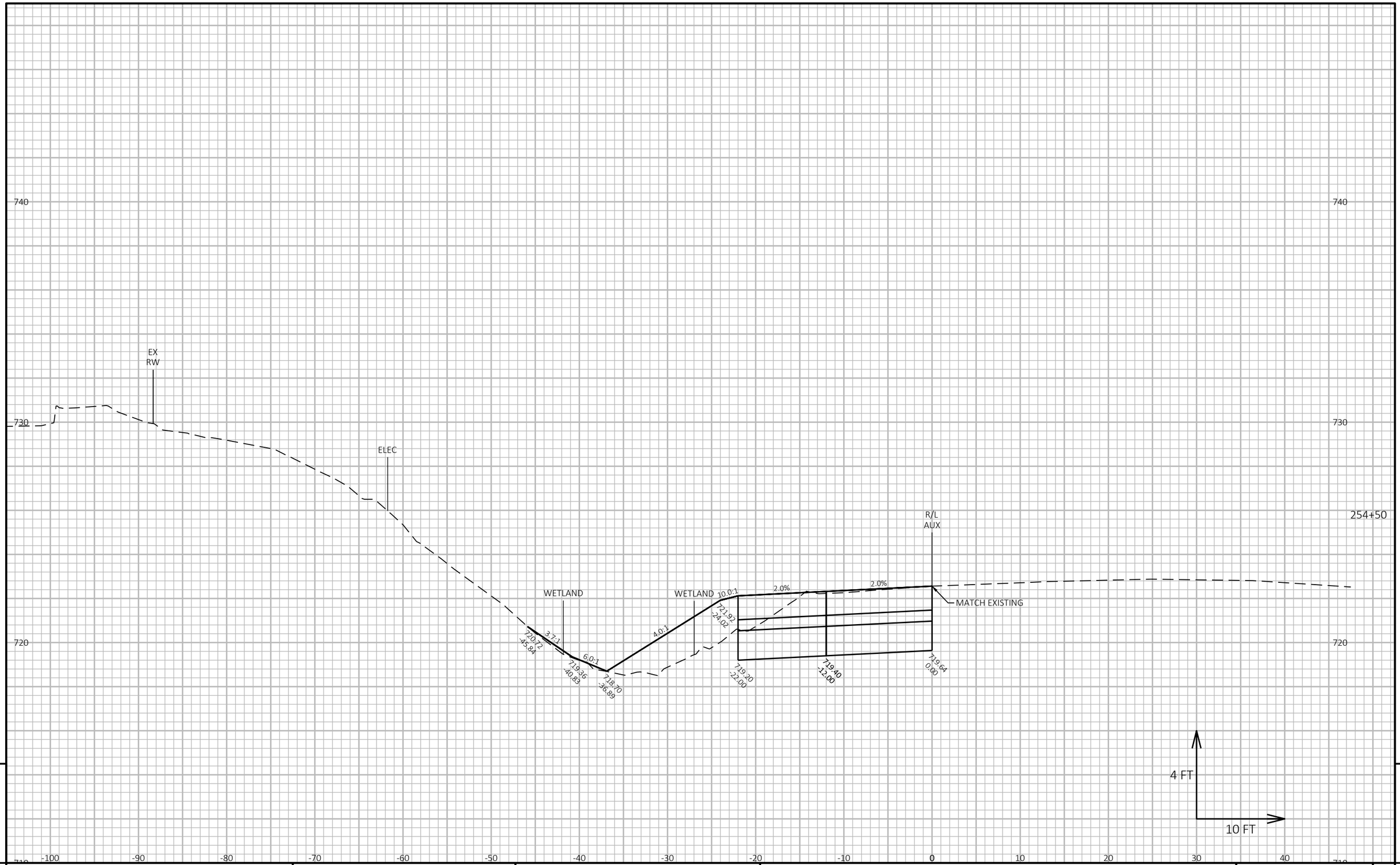
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090225_XS

PLOT DATE : 10/19/2021 1:24 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_216

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_217

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090226_XS

PLOT DATE : 10/19/2021 1:24 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

EX
RW

730

730

ELEC

R/L
AUX

255+00

WETLAND

WETLAND

10.0:1

2.0%

2.0%

MATCH EXISTING

721.39
-24.02

4.0:1

9.3:1

6.0:1

719.45
-44.02

719.28
-43.11

718.20
-36.65

718.64
-22.00

718.84
-12.00

719.08
0.00

720

720

4 FT

10 FT

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_218

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090227_XS

PLOT DATE : 10/19/2021 1:25 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

730

EX
RW

ELEC

WETLAND

WETLAND

R/L
AUX

MATCH EXISTING

255+50

720

720

5:6:1

6.0:1

4.0:1

10.0:1

2.0%

2.0%

719.11
-48.00

718.67
-45.55

717.40
-37.92

720.88
-24.02

718.16
-22.00

718.35
-12.00

718.60
0.00

4 FT

10 FT

9

9

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

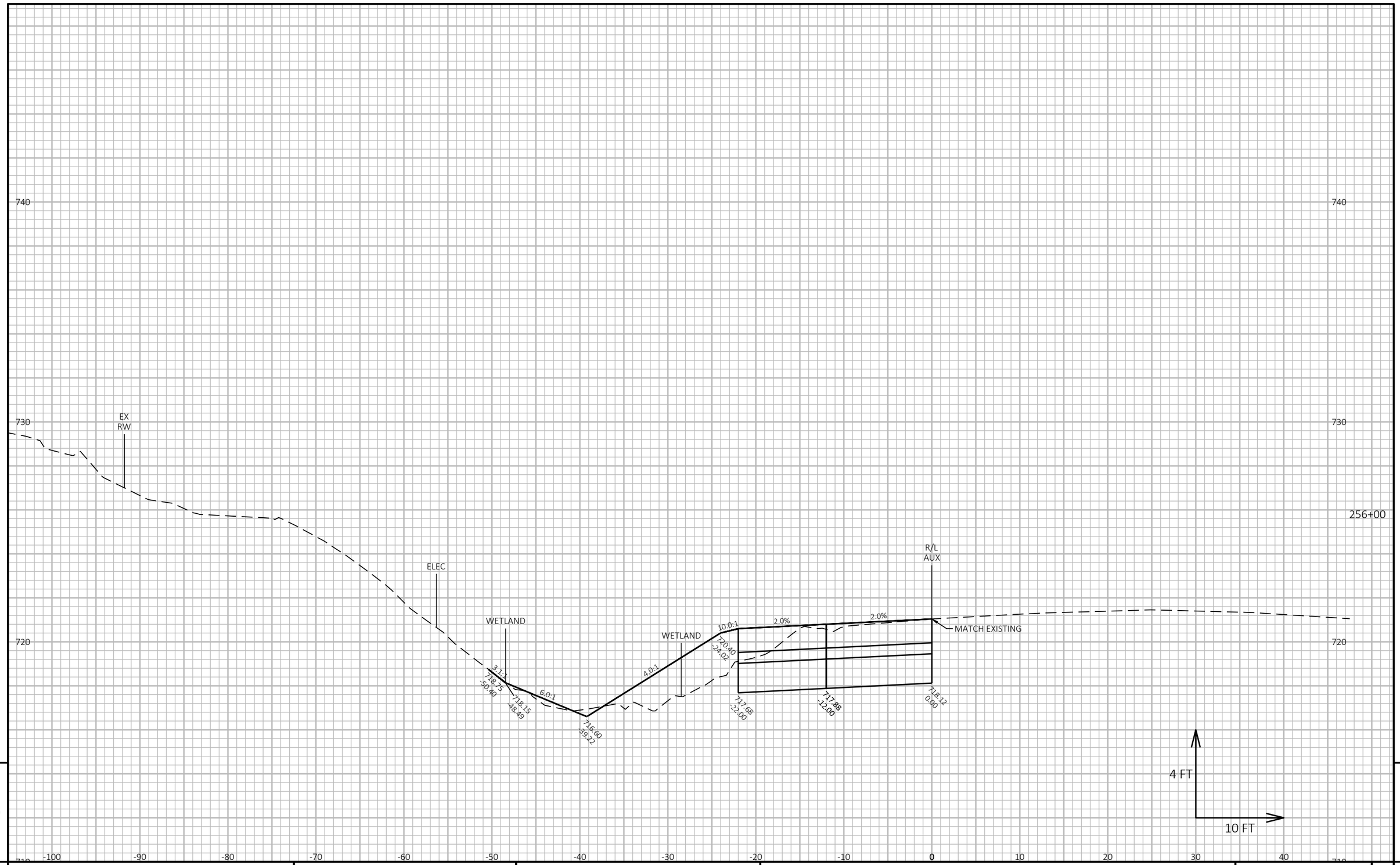
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_219

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090228_XS

PLOT DATE : 10/19/2021 1:26 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



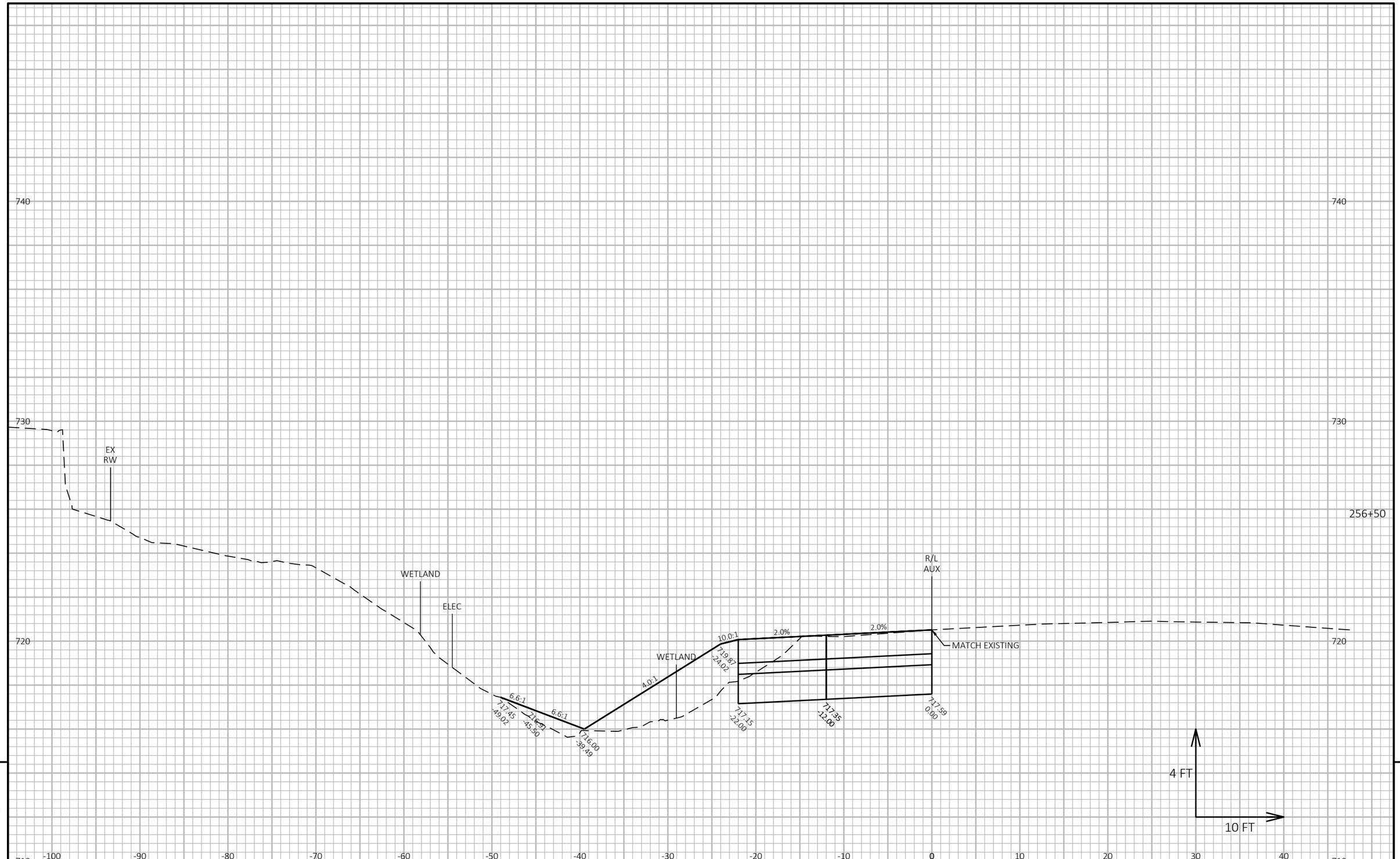
9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET PRE_220 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090229_XS

PLOT DATE : 10/19/2021 1:26 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.



9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_221

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090230_XS

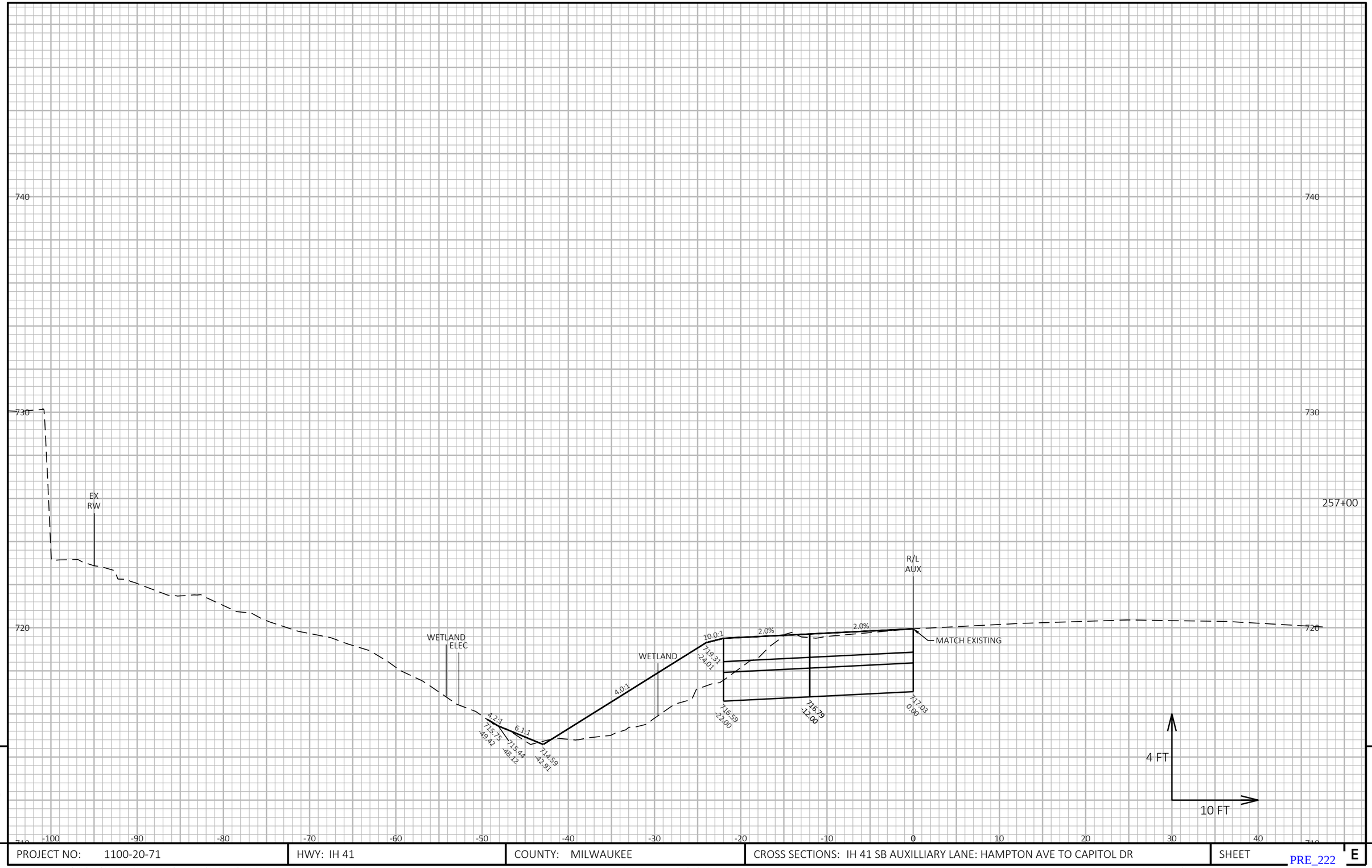
PLOT DATE : 10/19/2021 1:27 PM

PLOT BY : VINDEDAHL, EMMA M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_222

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090231_XS

PLOT DATE : 10/19/2021 1:28 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

740

730

257+25

EX
RW

720

WETLAND

ELEC

WETLAND

4.0:1

714.24
-45.47

10.0:1

719.11
-24.01

716.39
-22.00

716.57
-12.00

716.79
0.00

1.8%

1.8%

R/L
AUX

MATCH EXISTING

720

4 FT

10 FT

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

9

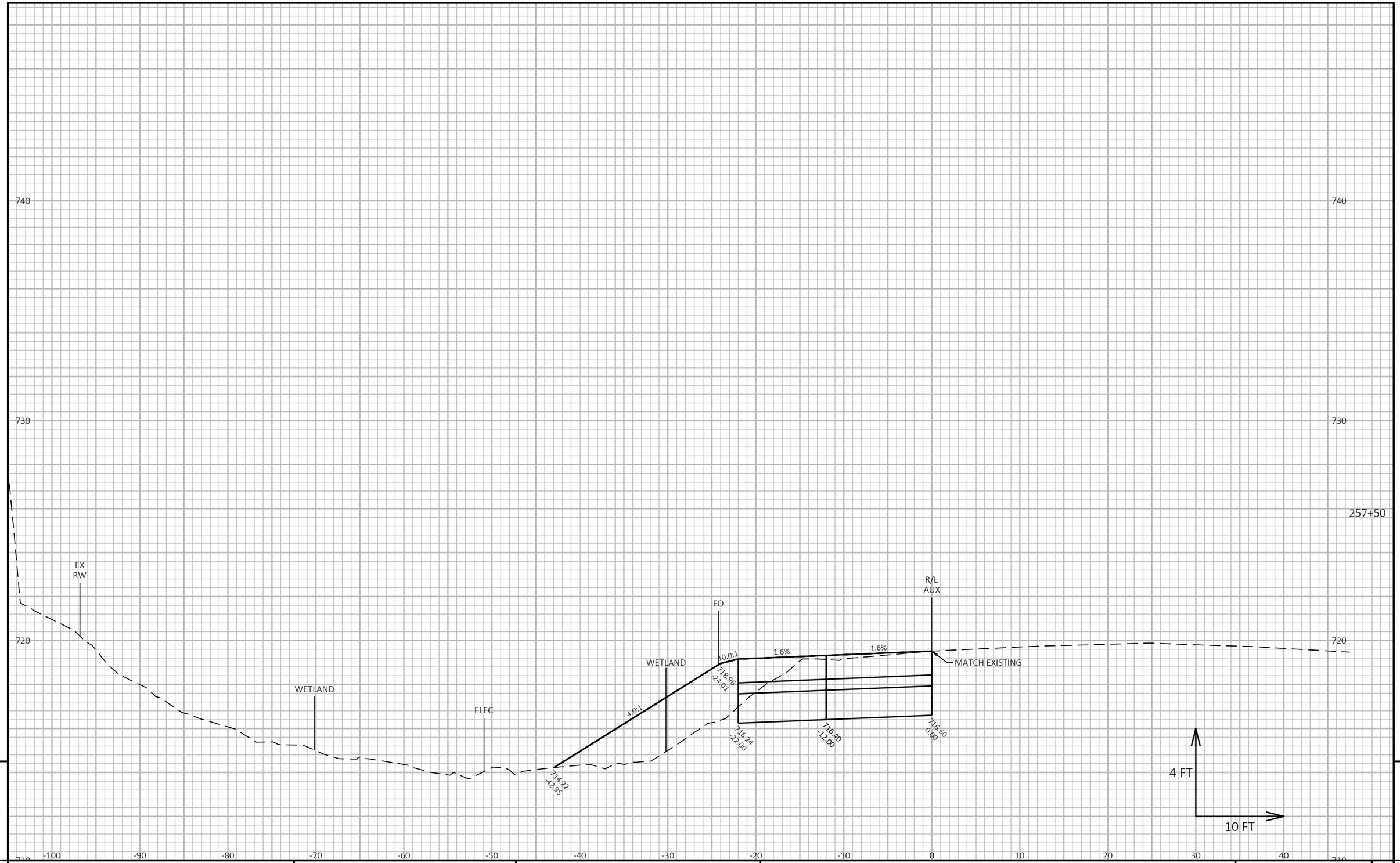
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090232_XS

PLOT DATE : 10/19/2021 1:28 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_223

WISDOT/CADDS SHEET 49



9

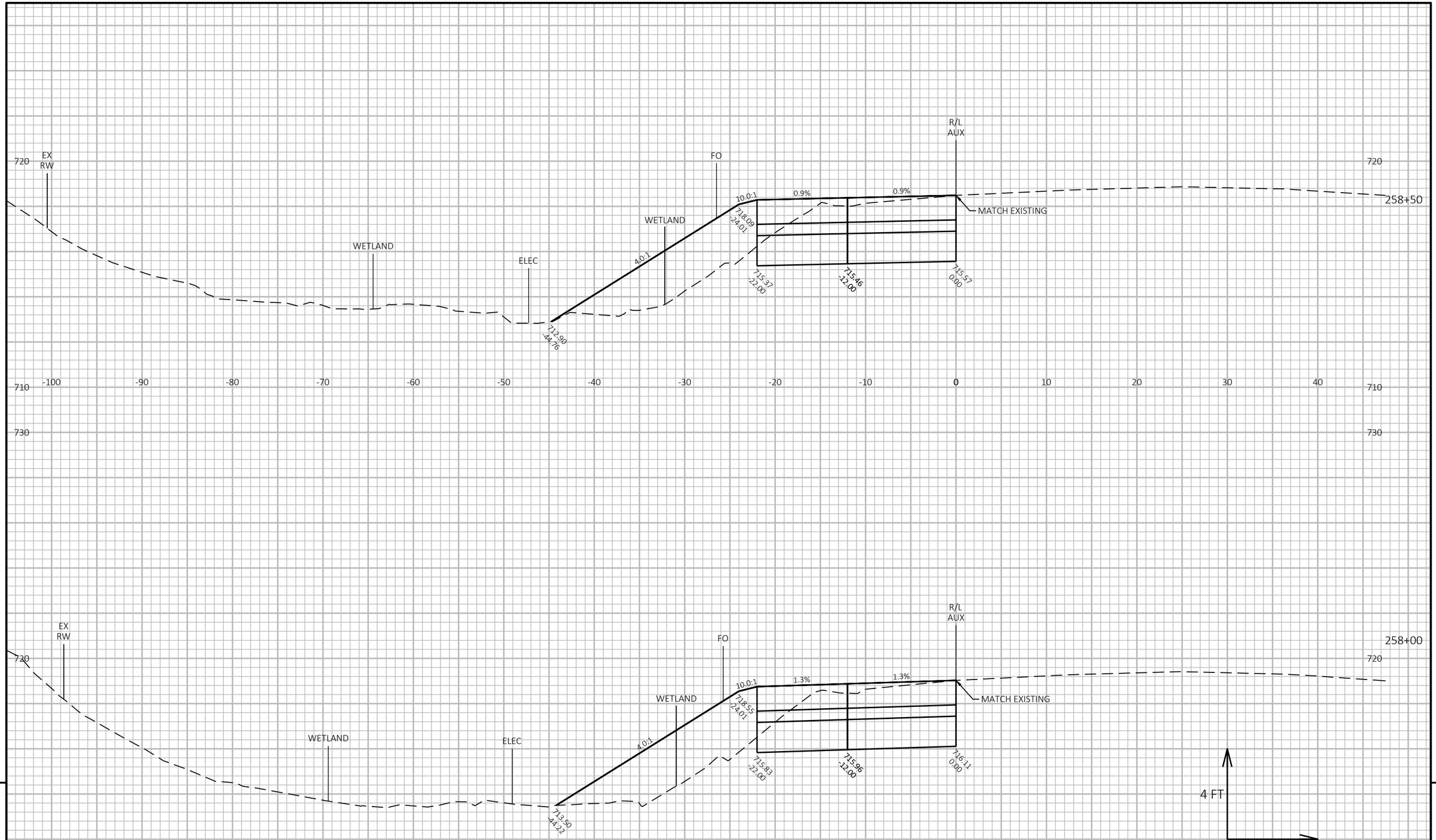
9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_224

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090233_XS

PLOT DATE : 10/19/2021 1:29 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.



9

9

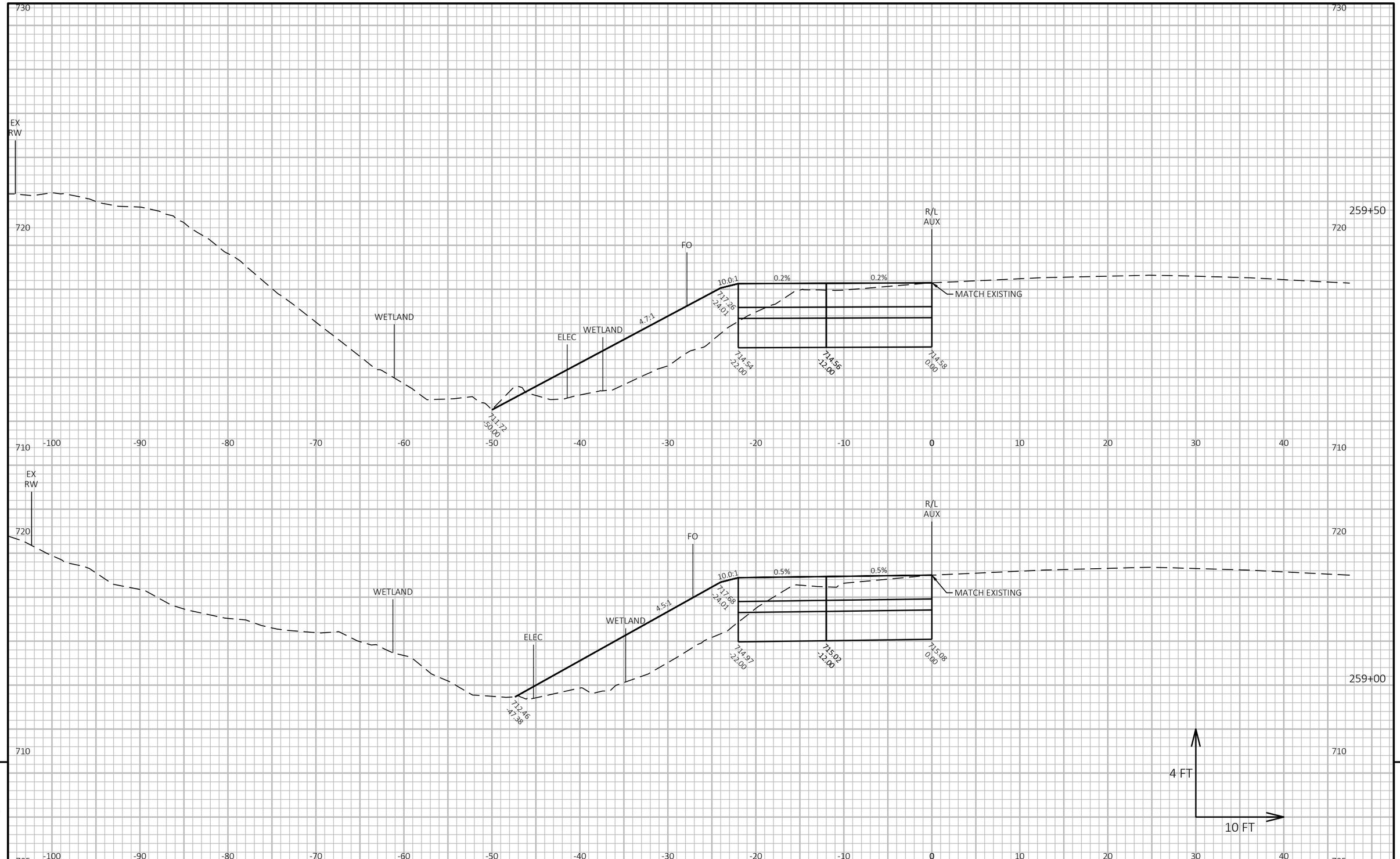
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_225

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090234_XS

PLOT DATE : 10/19/2021 1:30 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090235_XS

PLOT DATE : 10/19/2021 1:30 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_226

730

720

710

WETLAND

WETLAND

ELEC

4.0:1

FO

10.0:1

716.91
-24.01

0.2%

0.2%

R/L
AUX

MATCH EXISTING

714.20
-22.00

714.18
-12.00

714.15
0.00

711.45
-45.89

260+00

4 FT

10 FT

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

9

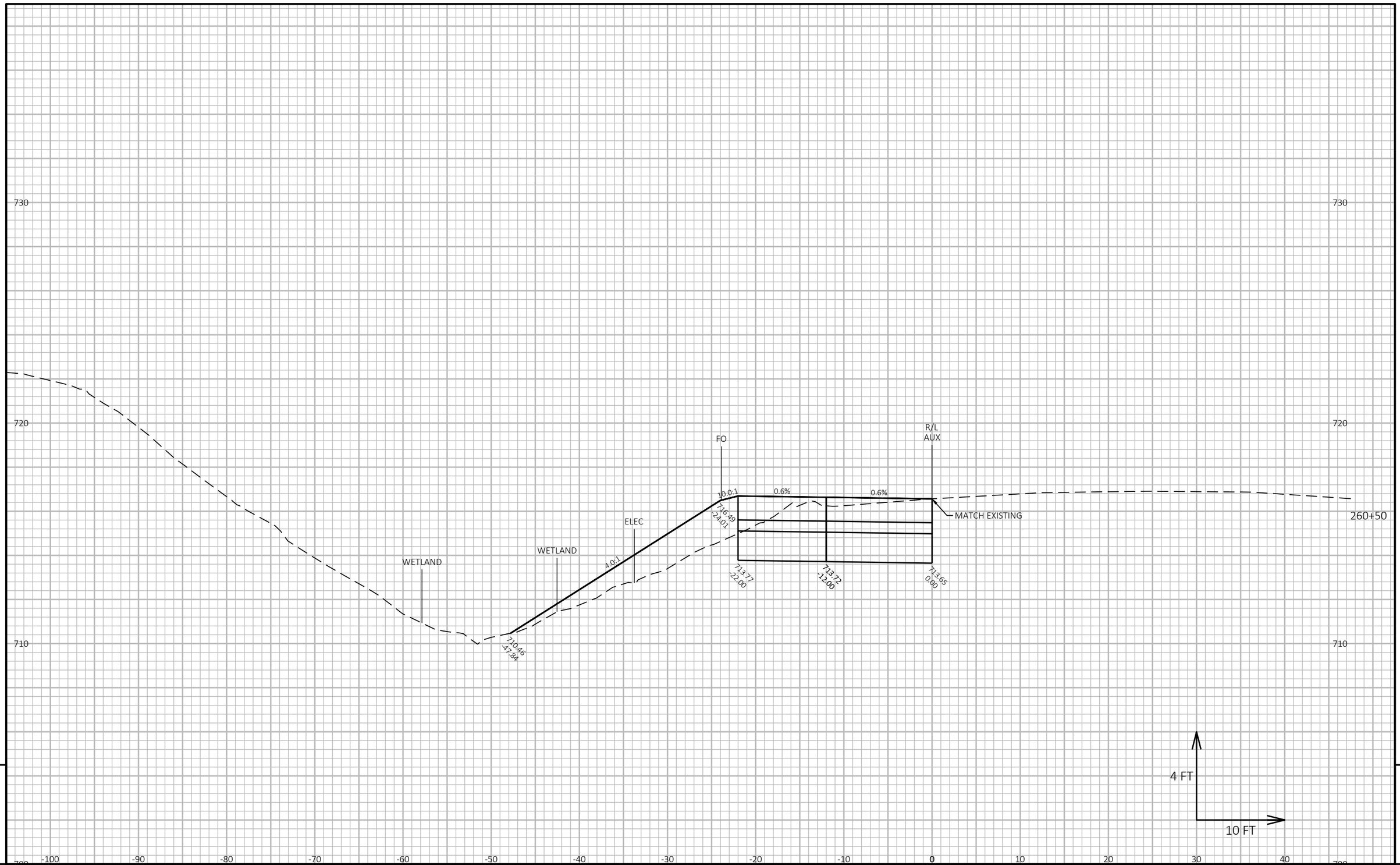
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_227

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090236_XS

PLOT DATE : 10/19/2021 1:31 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



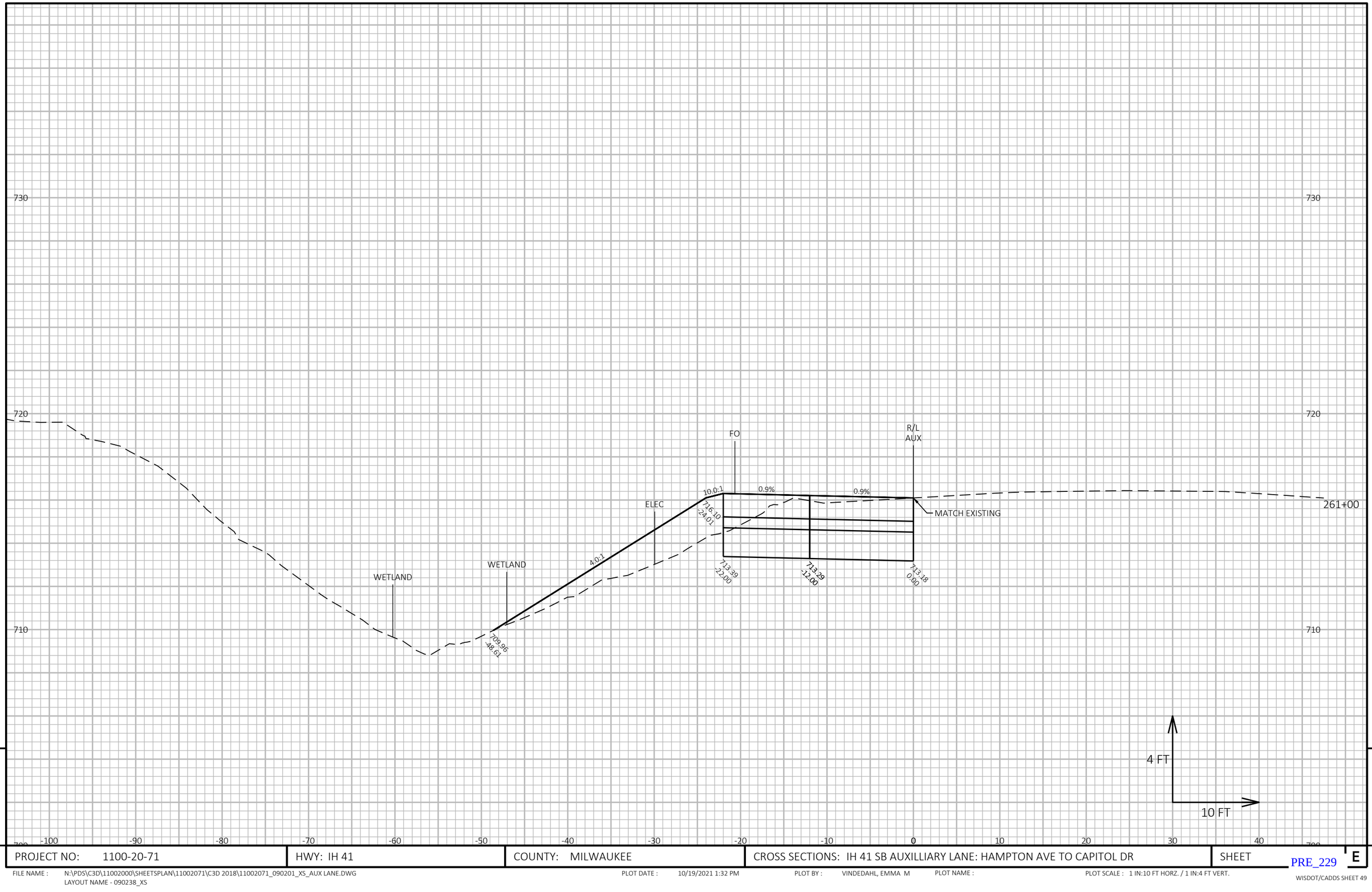
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090237_XS

PLOT DATE : 10/19/2021 1:32 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_228

WISDOT/CADDS SHEET 49



9

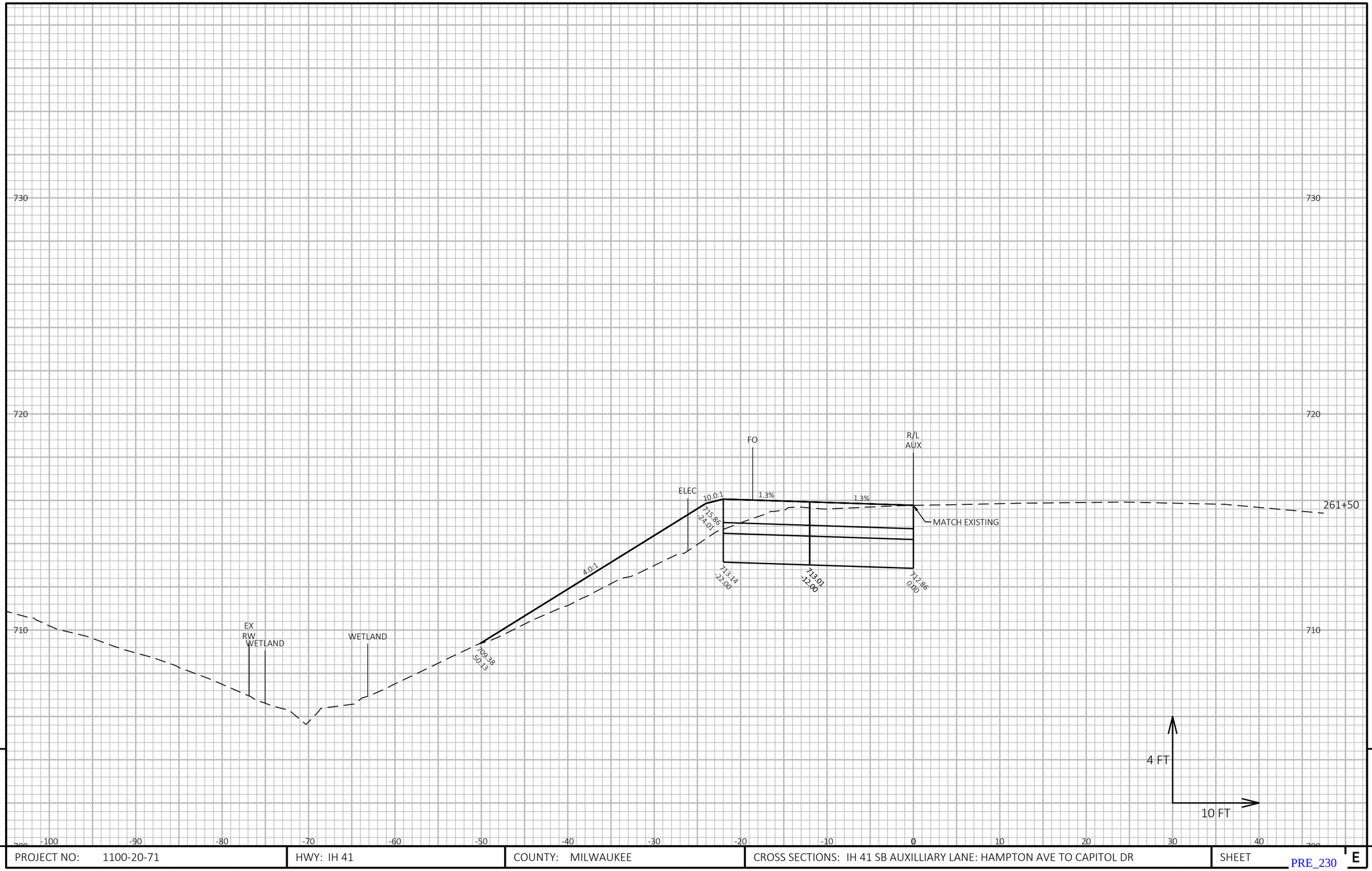
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090238_XS

PLOT DATE : 10/19/2021 1:32 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_229

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_230

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090239_XS

PLOT DATE : 10/19/2021 1:33 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

ELEC

FO

R/L
AUX

1.4%

1.4%

MATCH EXISTING

261+56

3.7:1

713.02
-25.00

713.14
-22.00

713.00
-12.00

712.84
0.00

WETLAND

EX
RW

WETLAND

709.59
-45.39

4 FT

10 FT

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090240_XS

PLOT DATE : 10/19/2021 1:34 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_231

WISDOT/CADDS SHEET 49

730

720

710

700

ELEC

FO

R/L
AUX

1.7%

1.7%

2:1

MATCH EXISTING

262+00

711.63
-33.58

712.81
-25.00

712.93
-22.00

712.77
-12.00

712.57
0.00

WETLAND

WETLAND

EX
RW

4 FT

10 FT

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_232

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090241_XS

PLOT DATE : 10/19/2021 1:34 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

700

ELEC FO

R/L AUX

2.0%

2.0%

262+50

MATCH EXISTING

3.7:1

712.70
-25.00

712.82
-22.00

712.62
-12.00

712.38
0.00

EX RW

WETLAND

WETLAND

708.61
-51.05

4 FT

10 FT

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_233

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090242_XS

PLOT DATE : 10/19/2021 1:35 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

263+00

EX
RW

WETLAND

WETLAND

FO

ELEC

R/L
AUX

2.0%

2.0%

MATCH EXISTING

3:0:1

709.18
-43.35

712.37
-25.00

712.49
-22.00

712.29
-12.00

712.05
0.00

4 FT

10 FT

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_234

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090243_XS

PLOT DATE : 10/19/2021 1:36 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

700

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

EX RW

WETLAND

WETLAND

708.91
-44.25

3.0:1

712.32
-25.00

712.44
-22.00

712.24
-12.00

FO

ELEC

R/L AUX

2.0%

2.0%

MATCH EXISTING

263+06

4 FT

10 FT

9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090244_XS

PLOT DATE : 10/19/2021 1:36 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_235

WISDOT/CADDS SHEET 49

730

720

710

EX RW

WETLAND

WETLAND

FO

ELEC

R/L AUX

10.0:1

3.0:1

2.0%

2.0%

714.65
-25.97

712.13
-22.00

711.93
-12.00

711.69
0.00

709.38
-41.76

MATCH EXISTING

263+50

4 FT

10 FT

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_236

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090245_XS

PLOT DATE : 10/19/2021 1:37 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

700

EX
RW

WETLAND

WETLAND

ELEC

FO

FO

R/L
AUX

10.0:1

2.9:1

2.0%

2.0%

714.48
-26.00

711.97
-22.00

711.77
-12.00

711.53
0.00

708.66
-42.86

MATCH EXISTING

264+00

4 FT

10 FT

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090246_XS

PLOT DATE : 10/19/2021 1:38 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_237

WISDOT/CADDS SHEET 49

730

720

710

EX
RW

WETLAND

ELEC

WETLAND

3.2:1

FO

FO

R/L
AUX

10.0:1

2.0%

2.0%

264+31

MATCH EXISTING

714.43
-26.65

711.98
-22.00

711.78
-12.00

711.54
0.00

710.40
-53.42

3.9:1

15.9:1

709.09
-45.32

708.85
-44.57

4 FT

10 FT

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090247_XS

PLOT DATE : 10/19/2021 1:38 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_238

WISDOT/CADDS SHEET 49

730

720

710

700

EX
RW

WETLAND

ELEC

WETLAND

FO

FO

R/L
AUX

MATCH EXISTING

10.0:1

2.0%

2.0%

4.0:1

6.0:1

2.0:1

712.17
-58.61

709.97
-52.63

709.21
-48.11

714.45
-27.18

712.05
-22.00

711.85
-12.00

711.61
0.00

264+50

4 FT

10 FT

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090248_XS

PLOT DATE : 10/19/2021 1:39 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_239

WISDOT/CADDS SHEET 49

730

720

710

EX
RW

WETLAND

ELEC

WETLAND

FO

FO

R/L
AUX

MATCH EXISTING

2.0%

2.0%

10.0:1

4.1:1

6.0:1

2.5:1

712.51
-60.01

710.13
-53.00

709.36
-46.34

714.46
-27.33

712.08
-22.00

711.88
-12.00

711.64
0.00

264+55

4 FT

10 FT

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090249_XS

PLOT DATE : 10/19/2021 1:40 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_240

WISDOT/CADDS SHEET 49

730

720

710

EX
RW

WETLAND

ELEC

WETLAND

FO

FO

R/L
AUX

MATCH EXISTING

264+68

712.82
-61.28

3.2:1

710.54
-53.89

6.0:1

709.70
-48.89

4.2:1

714.35
-28.16

10.0:1

2.0%

2.0%

712.15
-22.00

711.95
-12.00

711.71
0.00

4 FT

10 FT

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_241

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090250_XS

PLOT DATE : 10/19/2021 1:40 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

EX
RW

WETLAND

ELEC

WETLAND

FO

FO

R/L
AUX

713.24
-51.88

3.5:1

710.92
-53.47

6.0:1

709.95
-48.22

4.0:1

714.25
-31.01

10.0:1

2.0%

2.0%

712.23
-22.00

712.03
-12.00

711.79
0.00

264+80

4 FT

10 FT

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_242

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090251_XS

PLOT DATE : 10/19/2021 1:41 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

EX
RW

WETLAND

ELEC

WETLAND

FO

FO

R/L
AUX

MATCH EXISTING

713.29
60.46

4.0:1

711.23
-52.30

6.0:1

710.25
46.43

4.0:1

714.57
29.17

10.0:1

2.0%

2.0%

712.37
-22.00

712.17
-12.00

711.93
0.00

265+00

730

720

710

4 FT

10 FT

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_243

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090252_XS

PLOT DATE : 10/19/2021 1:41 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

WETLAND
EX
RW

ELEC

FO

WETLAND

FO

R/L
AUX

713.62
-55.16

4:1

711.77
-47.09

6.0:1

711.01
-42.48

4.0:1

10.0:1

715.33
-25.20

2.0%

2.0%

712.73
-22.00

712.53
-12.00

712.29
0.00

MATCH EXISTING

265+46

730

720

710

4 FT

10 FT

9

9

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET	E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090253_XS

PLOT DATE : 10/19/2021 1:42 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_244

WISDOT/CADDS SHEET 49

730

720

710

WETLAND
EX
RW

ELEC

FO

WETLAND

FO

R/L
AUX

MATCH EXISTING

713.67
-54.68

4.4:1

711.83
-46.61

6.0:1

711.08
-42.13

4.0:1

715.40
-24.85

10.0:1

2.0%

2.0%

712.27
-22.00

712.57
-12.00

712.33
0.00

265+50

730

720

710

4 FT

10 FT

9

9

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_245

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090254_XS

PLOT DATE : 10/19/2021 1:43 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

WETLAND
EX
RW

ELEC

FO

WETLAND

FO

R/L
AUX

713.82
-49.36

5.6:1

712.77
-43.51

6.0:1

712.07
-39.31

4.0:1

10.0:1

715.88
-24.08

2.0%

2.0%

713.17
-22.00

712.97
-12.00

712.73
0.00

MATCH EXISTING

266+00

4 FT

10 FT

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

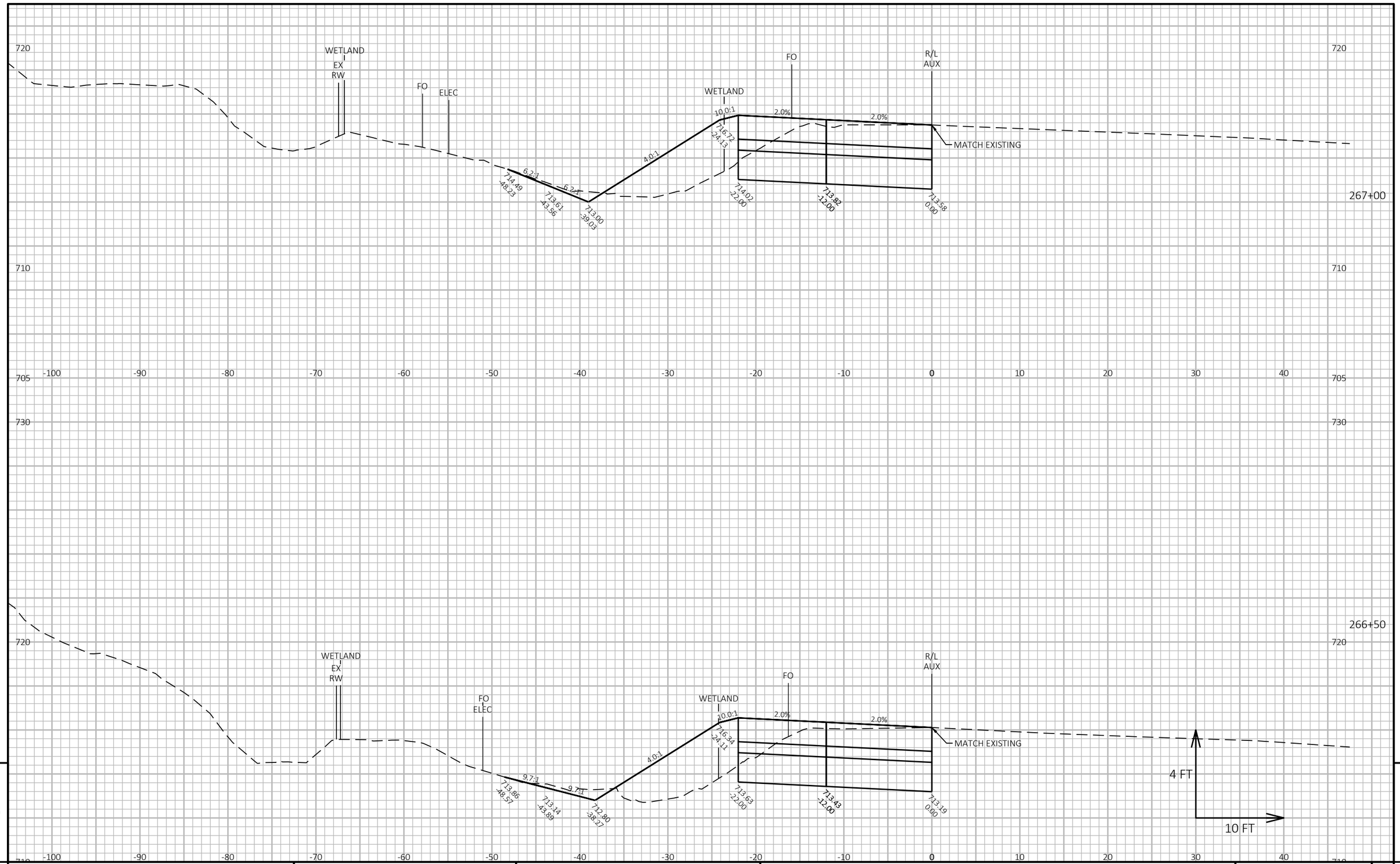
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_246

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090255_XS

PLOT DATE : 10/19/2021 1:43 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

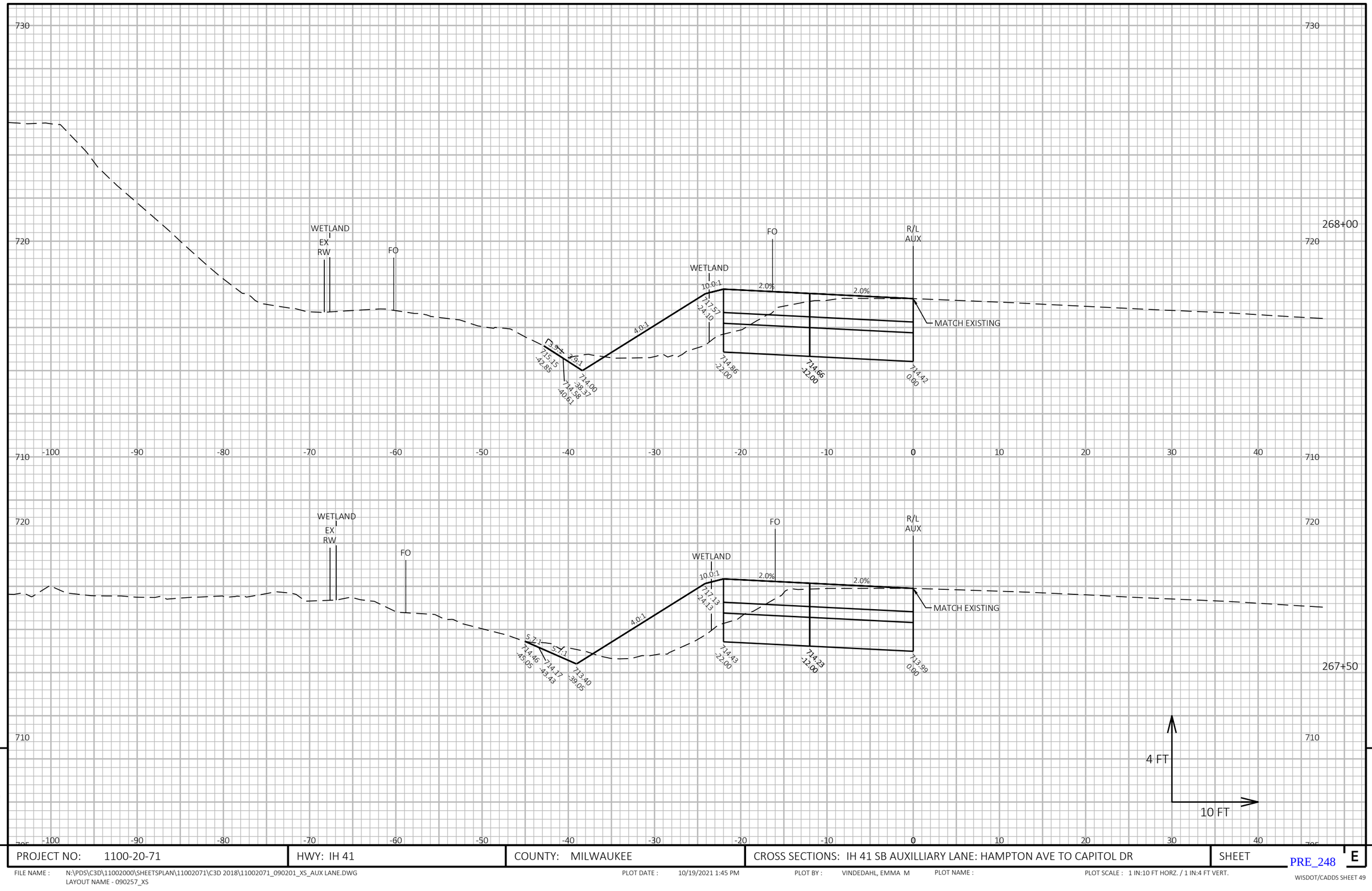
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_247

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090256_XS

PLOT DATE : 10/19/2021 1:44 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



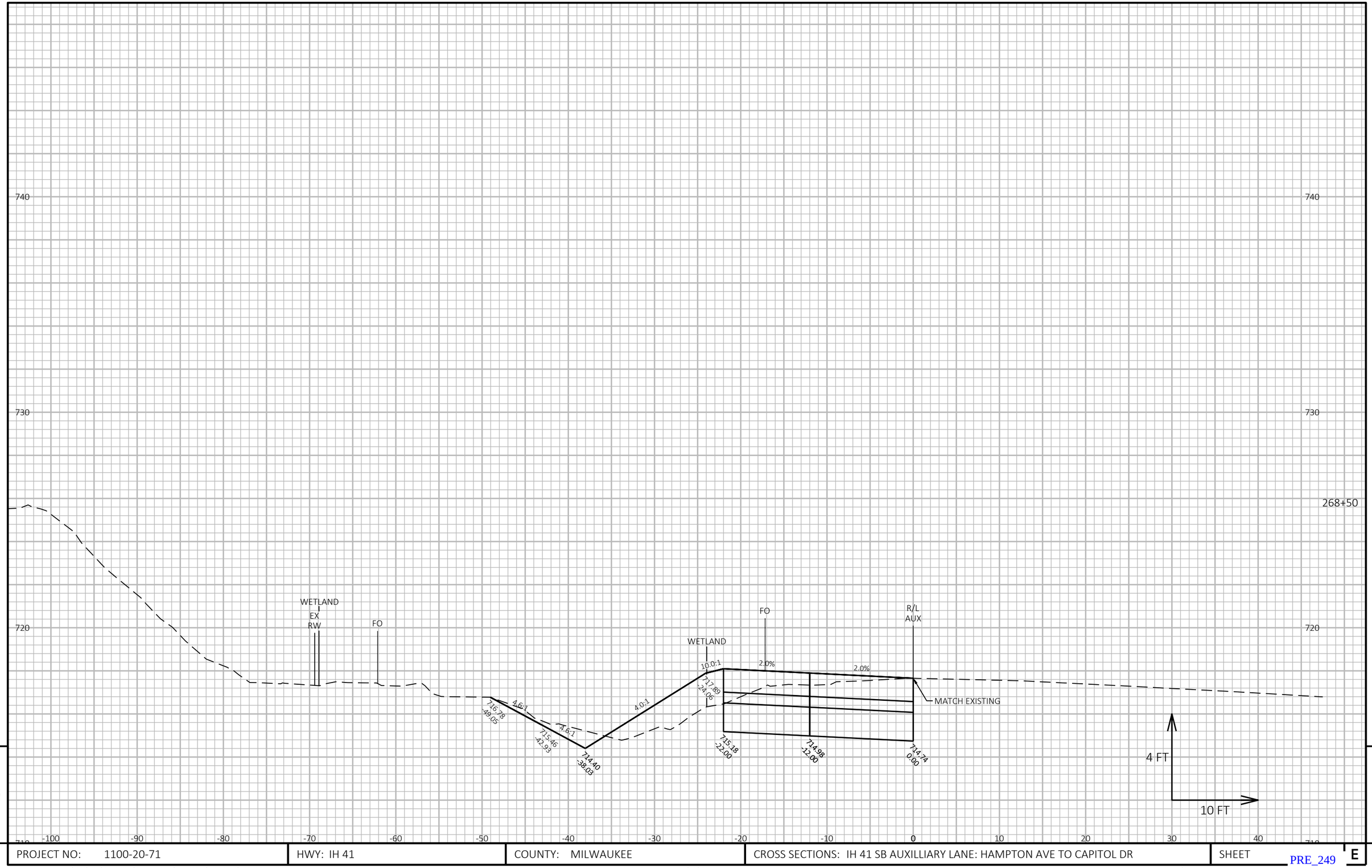
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090257_XS

PLOT DATE : 10/19/2021 1:45 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_248

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_249

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090258_XS

PLOT DATE : 10/19/2021 1:45 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

740

730

720

269+00

WETLAND
EX
RW

FO

WETLAND

FO

R/L
AUX

10.0:1

1.7%

1.7%

718.10
-24.00

MATCH EXISTING

4.0:1

9.0:1

9.0:1

715.90
-47.06

715.36
-47.27

714.80
-37.19

715.40
-21.76

715.24
-12.00

715.03
0.00

4 FT

10 FT

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_250

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090259_XS

PLOT DATE : 10/19/2021 1:46 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

740

730

720

269+50

WETLAND
EX
RW

FO

WETLAND

FO

R/L
AUX

MATCH EXISTING

1.0%

1.0%

10.0:1

4.0:1

11.1:1

715.59
-42.08

715.00
-35.48

717.80
-24.80

715.35
-20.00

715.28
-12.00

715.16
0.00

4 FT

10 FT

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_251

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090260_XS

PLOT DATE : 10/19/2021 1:47 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

740

730

720

270+00

EX RW

FO

WETLAND

WETLAND

R/L AUX

10.0:1

4.0:1

1.9:1

0.2%

0.2%

MATCH EXISTING

716.30 -40.99

715.40 -35.78

717.84 -24.00

715.33 -20.00

715.31 -12.00

715.28 0.00

4 FT

10 FT

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_252

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090261_XS

PLOT DATE : 10/19/2021 1:47 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

740

730

720

270+50

EX
RW

FO

WETLAND

WETLAND

R/L
AUX

MATCH EXISTING

10.0:1

4.0:1

5.7%

0.5%

0.5%

716.06
-24.00

716.71
-40.14

715.60
-33.85

715.55
-20.00

715.59
-12.00

715.65
0.00

4 FT

10 FT

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_253

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090262_XS

PLOT DATE : 10/19/2021 1:48 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

740

730

720

271+00

WETLAND
EX
RW

FO

WETLAND

R/L
AUX

MATCH EXISTING

1.3%

1.3%

10.0:1

4.0:1

12.6:1

715.59
-40.68

716.00
-33.34

718.37
-24.00

715.79
-20.00

715.89
-12.00

716.04
0.00

4 FT

10 FT

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_254

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090263_XS

PLOT DATE : 10/19/2021 1:49 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

740

730

720

271+50

EX
RW

FO

WETLAND

WETLAND

R/L
AUX

MATCH EXISTING

2.0%

2.0%

20.0:1

4.0:1

20.7:1

718.40
-24.00

716.55
-40.08

716.20
-32.81

715.89
-20.00

716.05
-12.00

716.29
0.00

4 FT

10 FT

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_255

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090264_XS

PLOT DATE : 10/19/2021 1:49 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

740

730

720

272+00

EX
RW

WETLAND

FO

WETLAND

2:1

2:1

MATCH EXISTING

R/L
AUX

4 FT

10 FT

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

9

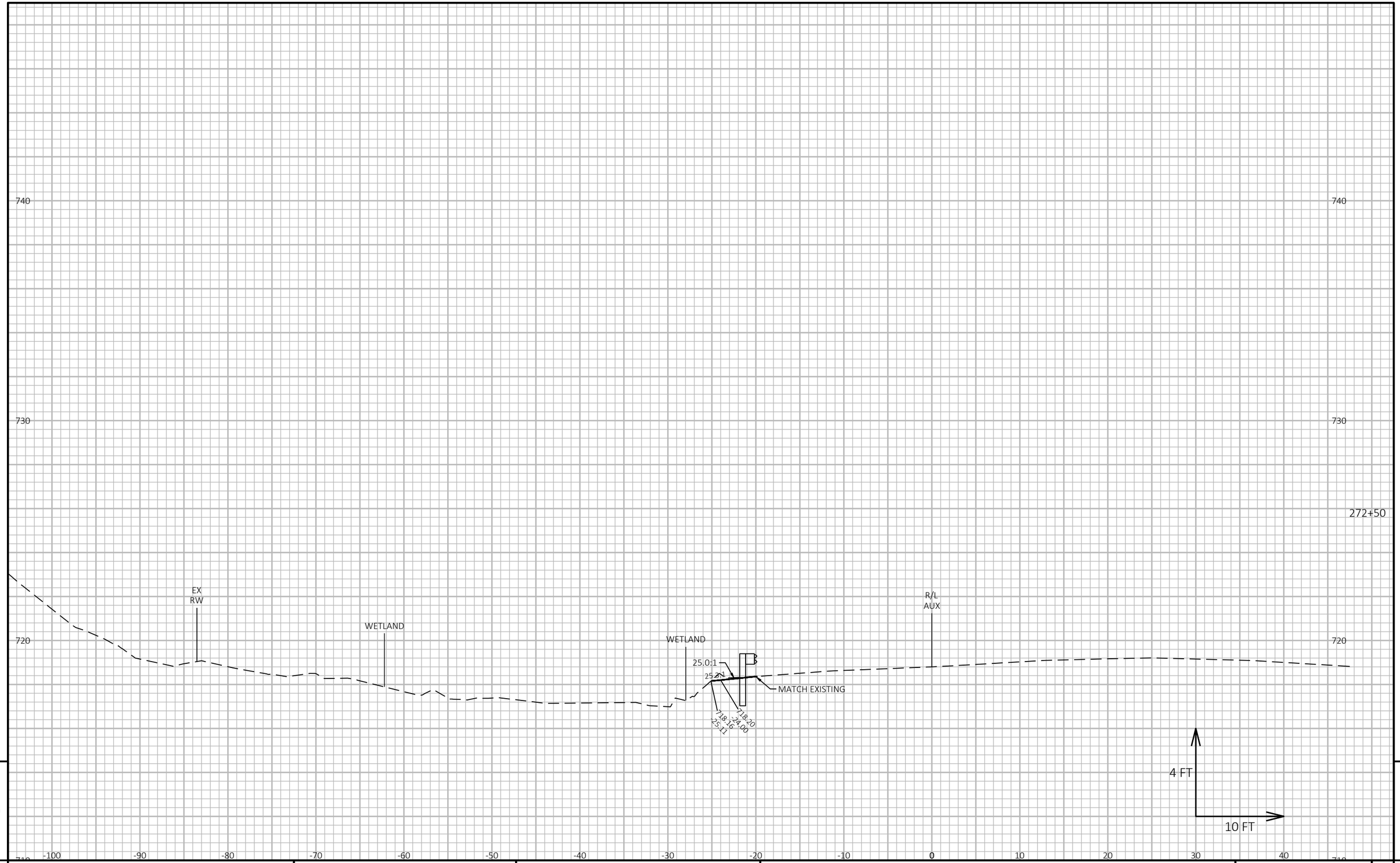
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_256

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090265_XS

PLOT DATE : 10/19/2021 1:50 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_257

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090266_XS

PLOT DATE : 10/19/2021 1:51 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

730

WETLAND
EX
RW

720

FO
WETLAND

25.0:1

7:1 80
26.05

MATCH EXISTING

R/L
AUX

273+00

720

4 FT

10 FT

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET	E

PRE_258

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090267_XS

PLOT DATE : 10/19/2021 1:51 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

730

720

720

WETLAND

WETLAND

FO

25.0:1

MATCH EXISTING

717.48

26.15

R/L

AUX

273+50

4 FT

10 FT

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

9

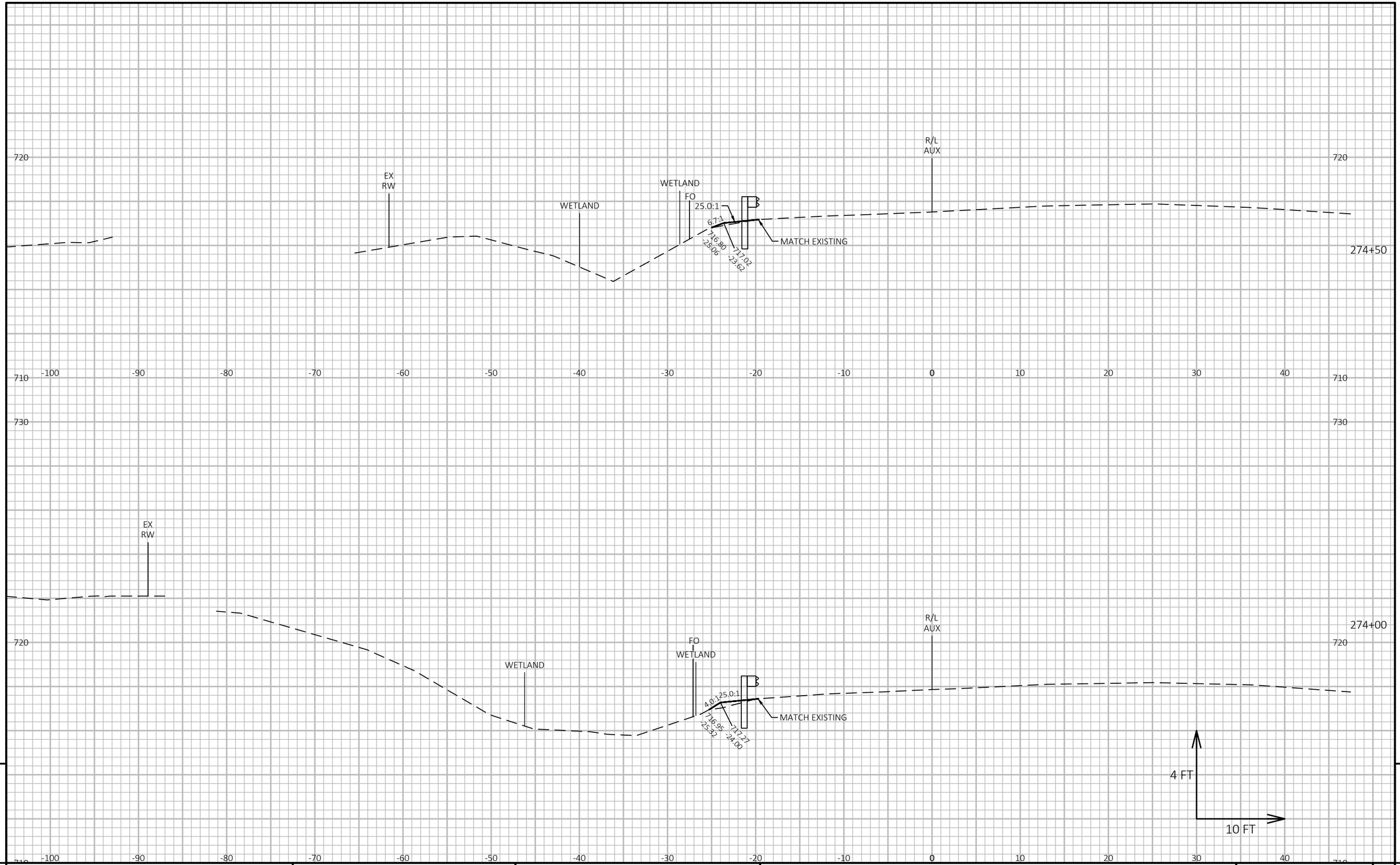
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_259

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090268_XS

PLOT DATE : 10/19/2021 1:52 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

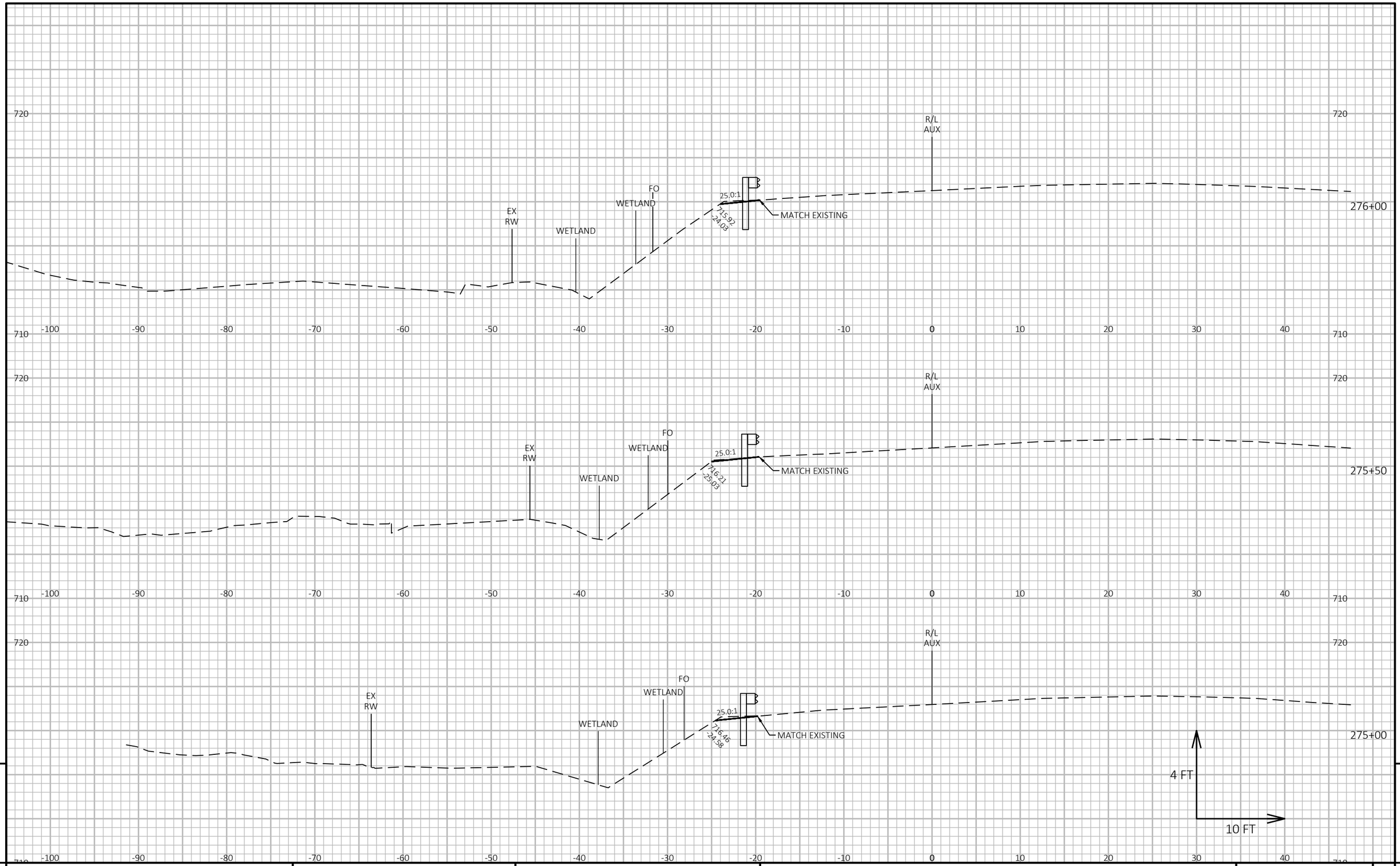
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_260

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090269_XS

PLOT DATE : 10/19/2021 1:53 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

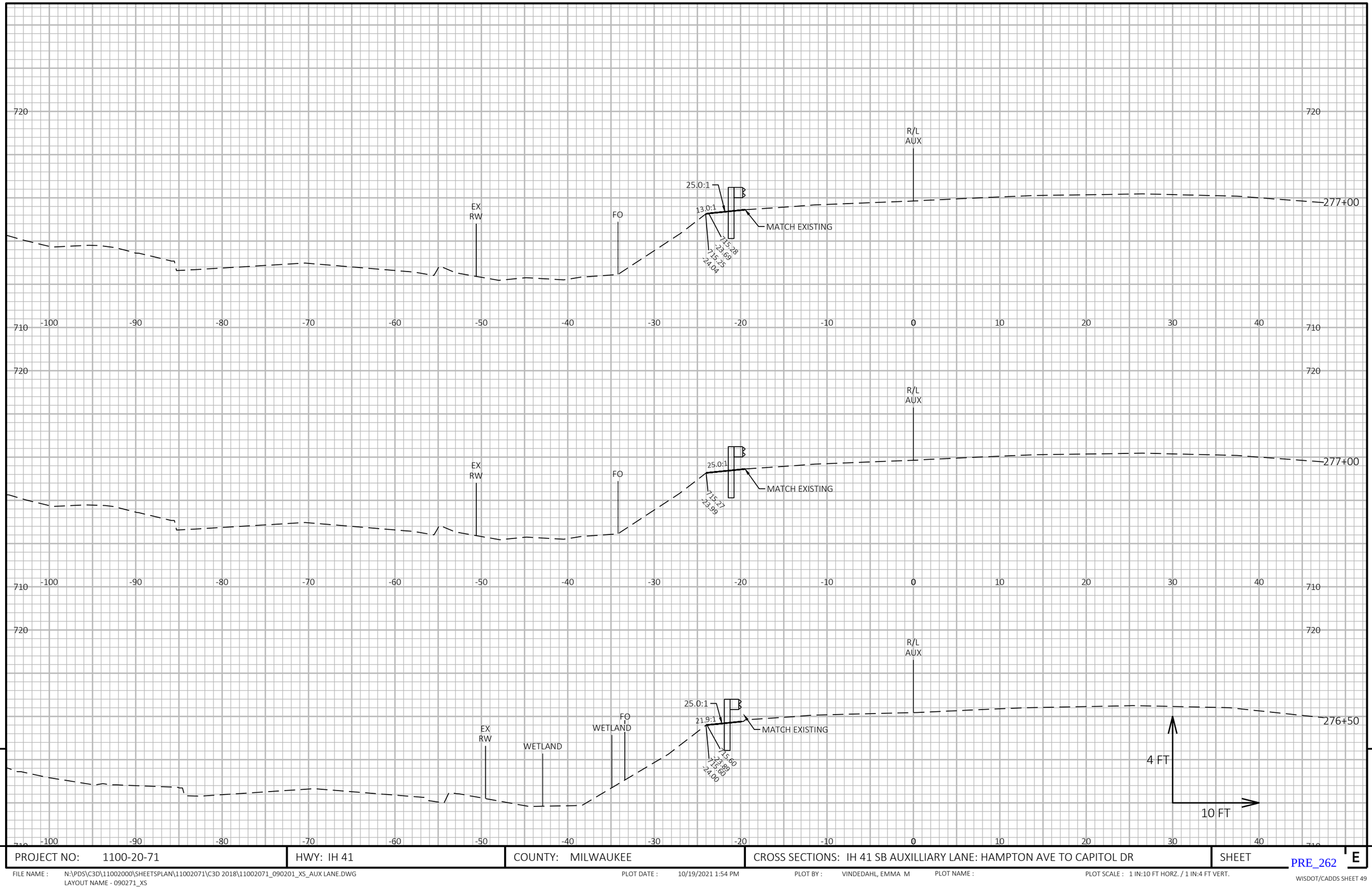
9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_261

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090270_XS

PLOT DATE : 10/19/2021 1:53 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.



9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_262

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090271_XS

PLOT DATE : 10/19/2021 1:54 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_263

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090272_XS

PLOT DATE : 10/19/2021 1:55 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

730

720

710

EX
RW

FO

R/L
AUX

278+34

13.5:1

25.0:1

714.86
-23.59

714.37
-30.17

MATCH EXISTING

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

720

710

EX
RW

FO

R/L
AUX

278+00

6.4:1

25.2:1

715.07
-24.26

713.94
-31.51

MATCH EXISTING

4 FT

10 FT

-100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40

9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 41 SB AUXILLIARY LANE: HAMPTON AVE TO CAPITOL DR	SHEET E

PRE_264

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090201_XS_AUX LANE.DWG
LAYOUT NAME - 090273_XS

PLOT DATE : 10/19/2021 1:55 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

730

730

R/L
CD1

MATCH EXISTING

10.0:1

724.84
5.98

3.0:1

723.17
14.25

3.0:1

720.66
18.59

FNCE

EX
RW

51+91

720

720

4 FT

10 FT

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

9

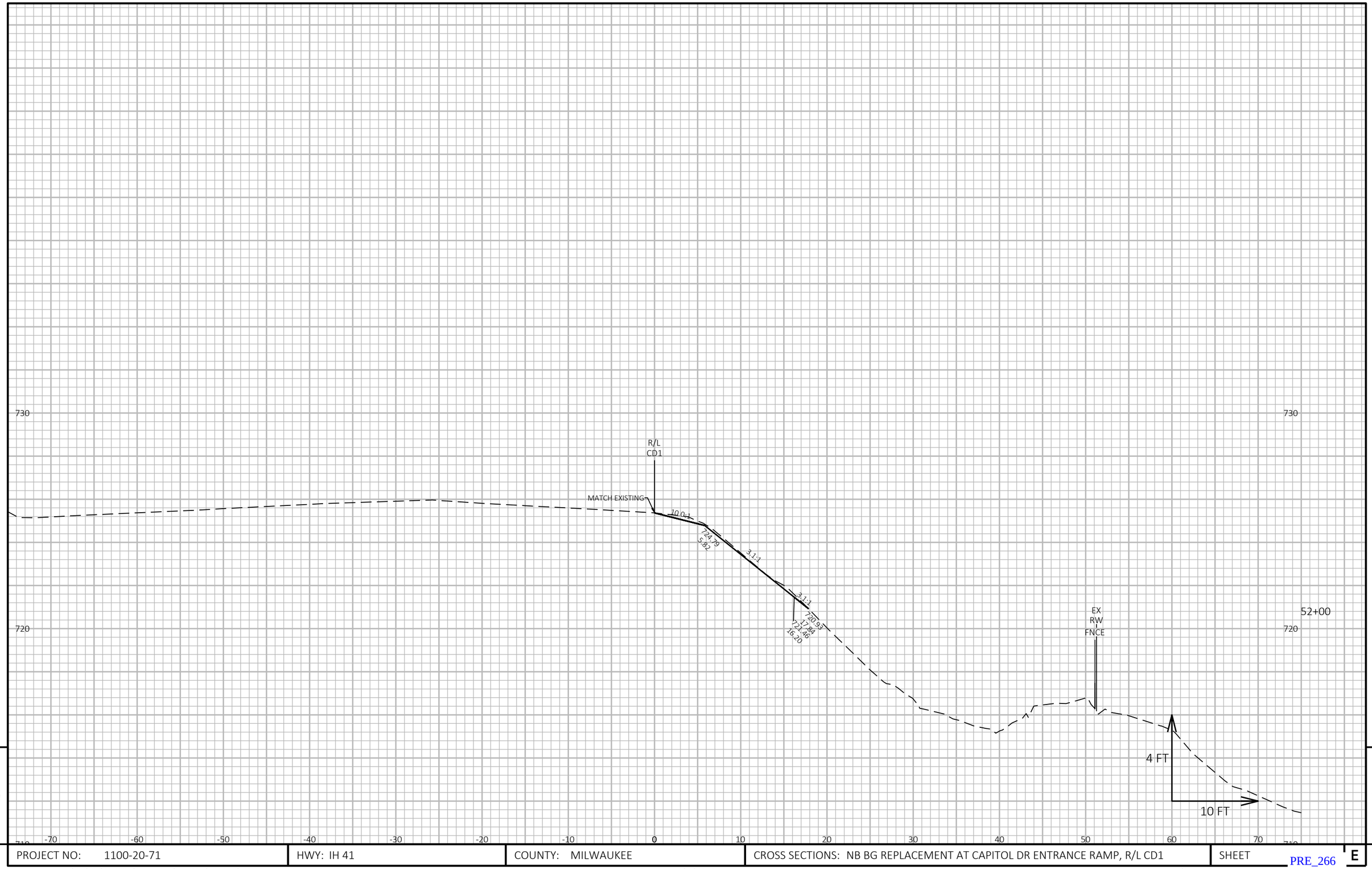
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT CAPITOL DR ENTRANCE RAMP, R/L CD1	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090202_XS BG CAPITOL RAMP - CD1.DWG
LAYOUT NAME - 090201_XS

PLOT DATE : 8/23/2021 8:43 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_265

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT CAPITOL DR ENTRANCE RAMP, R/L CD1	SHEET PRE_266 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090202_XS BG CAPITOL RAMP - CD1.DWG
LAYOUT NAME - 090202_XS

PLOT DATE : 8/23/2021 8:43 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

730

720

710

R/L
CD1

MATCH EXISTING

10.0%

724.35
5.00

-3.1%

3.1%

720.70
18.52
721.14
16.90

EX
RW

FNCE

52+50

4 FT

10 FT

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

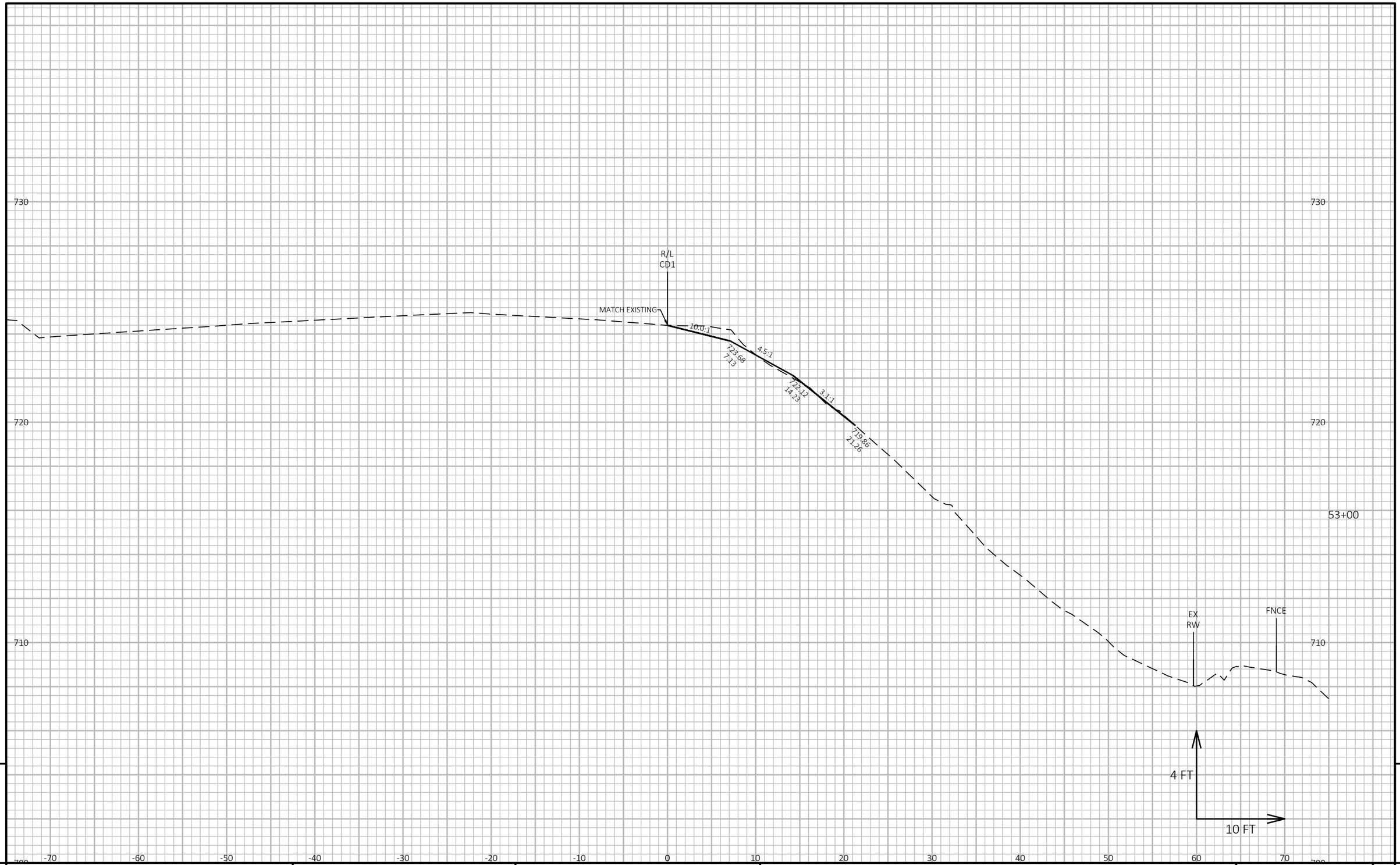
9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT CAPITOL DR ENTRANCE RAMP, R/L CD1	SHEET PRE_267 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090202_XS BG CAPITOL RAMP - CD1.DWG
LAYOUT NAME - 090203_XS

PLOT DATE : 8/23/2021 8:44 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT CAPITOL DR ENTRANCE RAMP, R/L CD1	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090202_XS BG CAPITOL RAMP - CD1.DWG
LAYOUT NAME - 090204_XS

PLOT DATE : 8/23/2021 8:44 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_268

WISDOT/CADDS SHEET 49

730

720

710

R/L
CD1

MATCH EXISTING

10.0:1

723.52
7.90

4.5:1

725.06
14.53

3.0:1

719.39
22.43

53+11

EX
RW

FNCE

4 FT

10 FT

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT CAPITOL DR ENTRANCE RAMP, R/L CD1	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090202_XS BG CAPITOL RAMP - CD1.DWG
LAYOUT NAME - 090205_XS

PLOT DATE : 8/23/2021 8:45 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_269

730

720

710

R/L
CD1

MATCH EXISTING

10.0%

723.60
5.33

4:1

720.91
17.56

3:1

718.50
24.96

53+36

EX
RW

4 FT

10 FT

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT CAPITOL DR ENTRANCE RAMP, R/L CD1	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090202_XS BG CAPITOL RAMP - CD1.DWG
LAYOUT NAME - 090206_XS

PLOT DATE : 8/23/2021 8:45 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_270

730

720

710

R/L
CD1

MATCH EXISTING

10.0:1

723.51
4.58

4.5:1

720.69
17.42

3.0:1

717.5
29.33

53+50

EX
RW

4 FT

10 FT

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

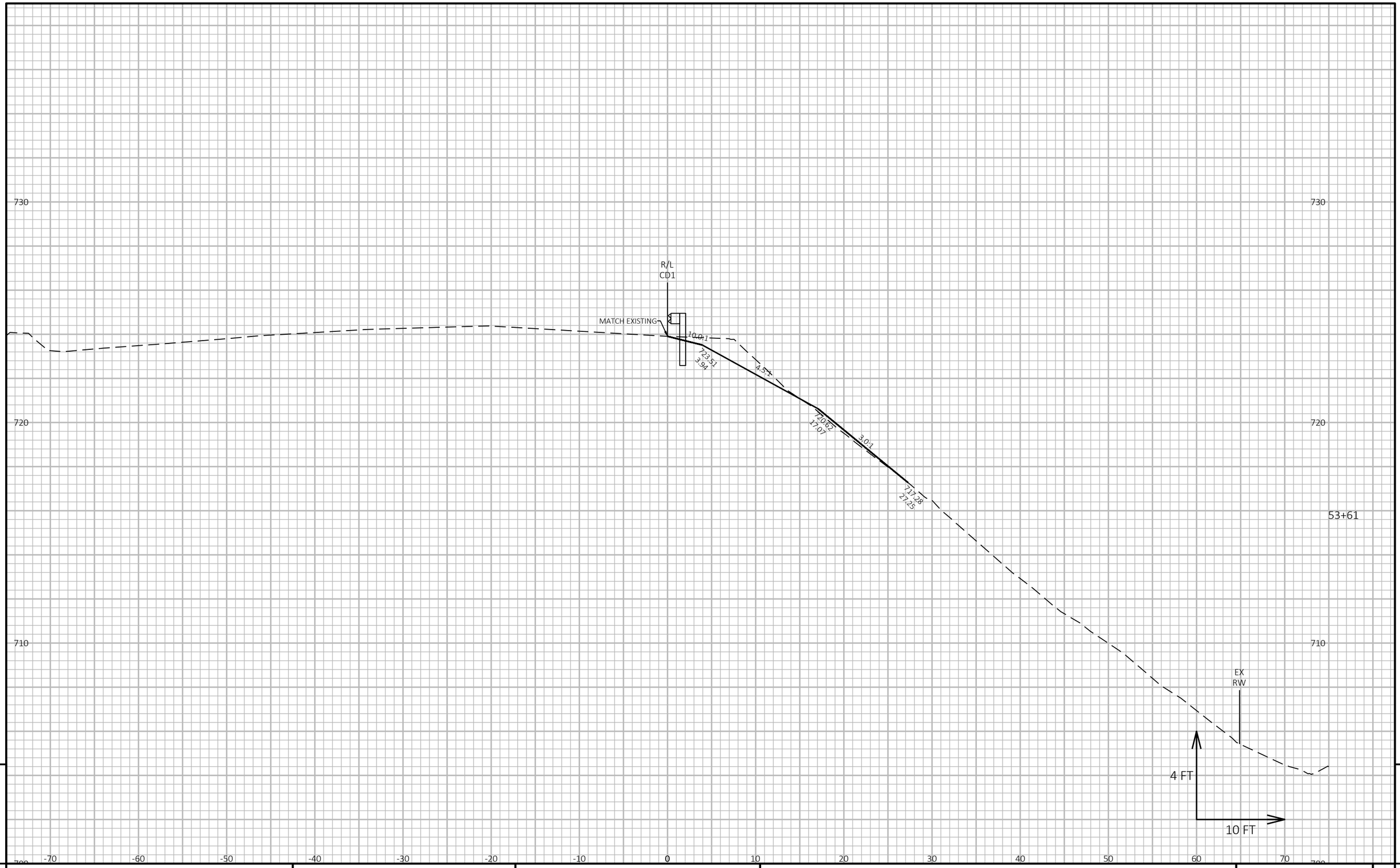
9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT CAPITOL DR ENTRANCE RAMP, R/L CD1	SHEET E

PRE_271

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090202_XS BG CAPITOL RAMP - CD1.DWG
LAYOUT NAME - 090207_XS

PLOT DATE : 8/23/2021 8:46 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.



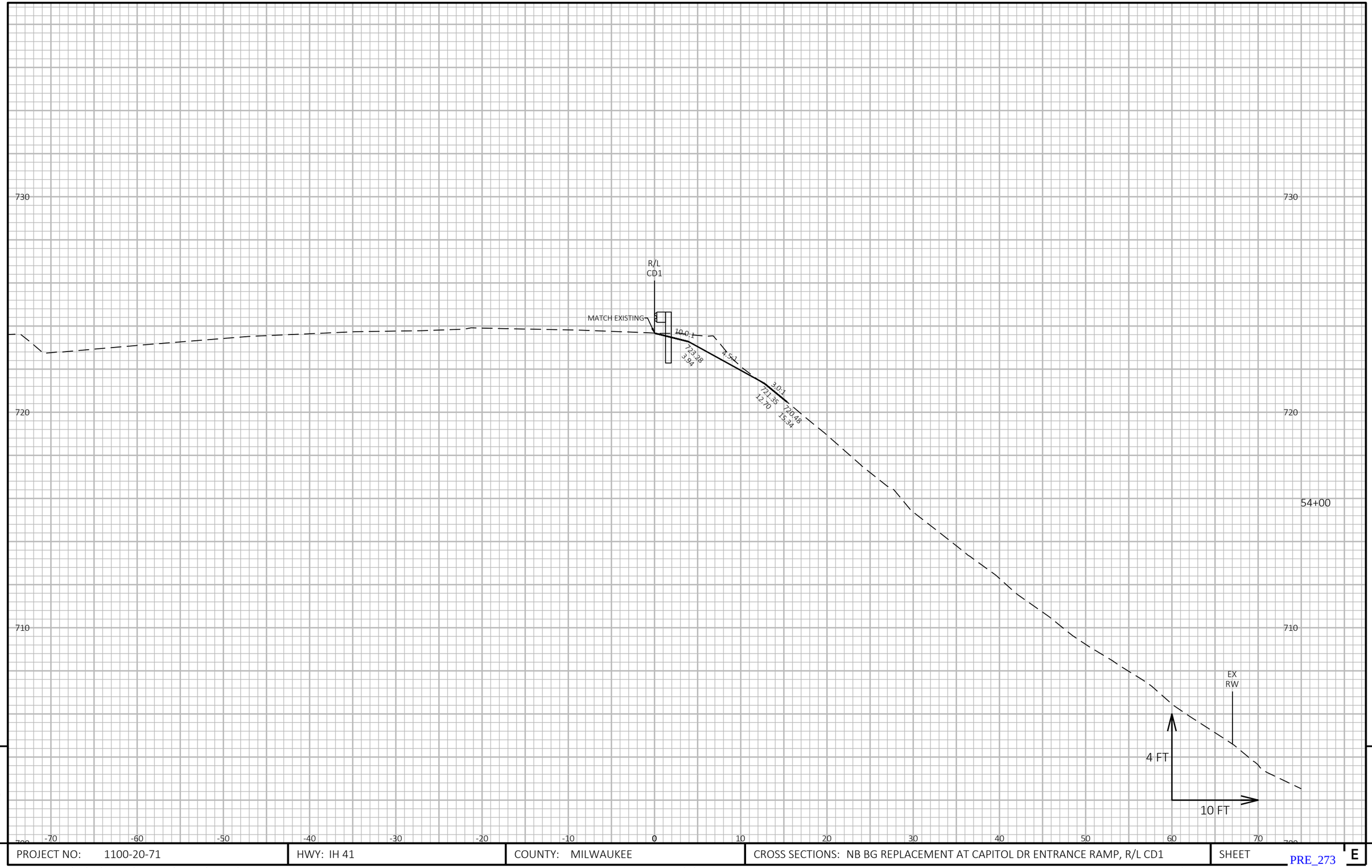
9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT CAPITOL DR ENTRANCE RAMP, R/L CD1	SHEET E

PRE_272

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090202_XS BG CAPITOL RAMP - CD1.DWG
LAYOUT NAME - 090208_XS

PLOT DATE : 8/23/2021 8:47 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.



9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT CAPITOL DR ENTRANCE RAMP, R/L CD1	SHEET PRE_273 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090202_XS BG CAPITOL RAMP - CD1.DWG
LAYOUT NAME - 090209_XS

PLOT DATE : 8/23/2021 8:47 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

R/L
CD1

MATCH EXISTING

10.0:1

4.5:1

3.0:1

722.36
3.94

720.72
11.38

719.57
14.88

54+50

EX
RW

4 FT

10 FT

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

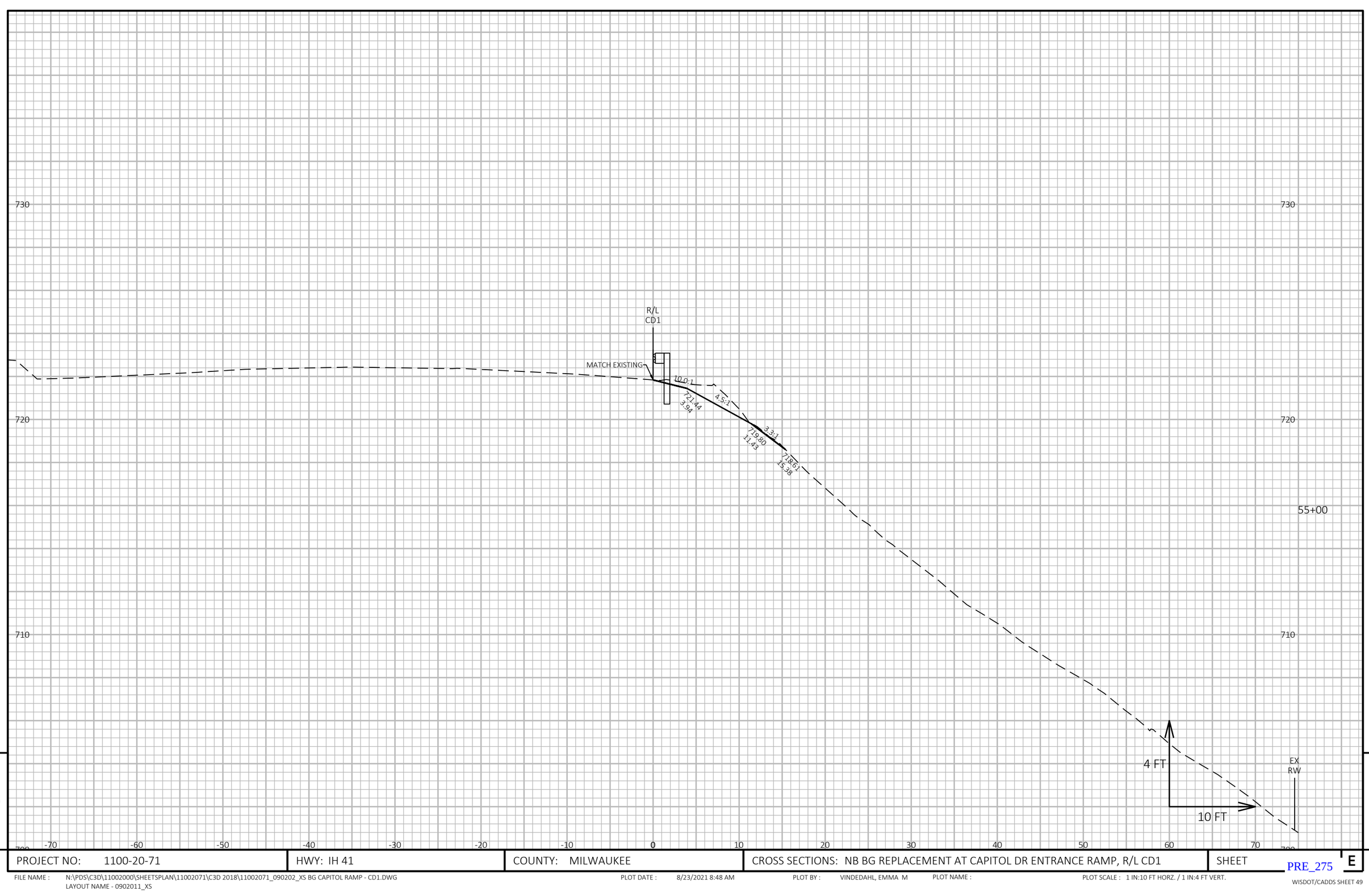
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT CAPITOL DR ENTRANCE RAMP, R/L CD1	SHEET E

PRE_274

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090202_XS BG CAPITOL RAMP - CD1.DWG
LAYOUT NAME - 0902010_XS

PLOT DATE : 8/23/2021 8:48 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

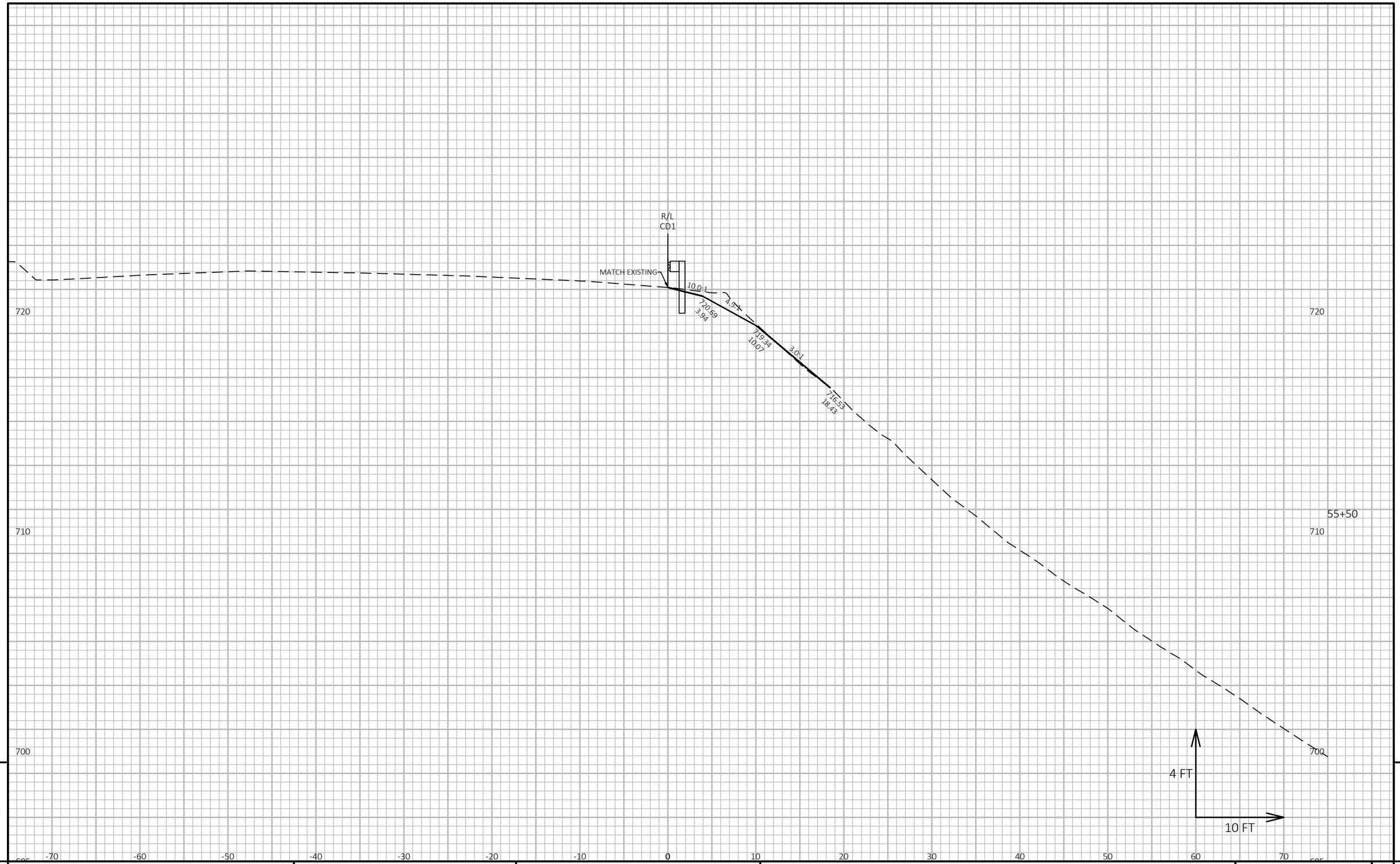
9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT CAPITOL DR ENTRANCE RAMP, R/L CD1	SHEET PRE_275 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090202_XS BG CAPITOL RAMP - CD1.DWG
LAYOUT NAME - 0902011_XS

PLOT DATE : 8/23/2021 8:48 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

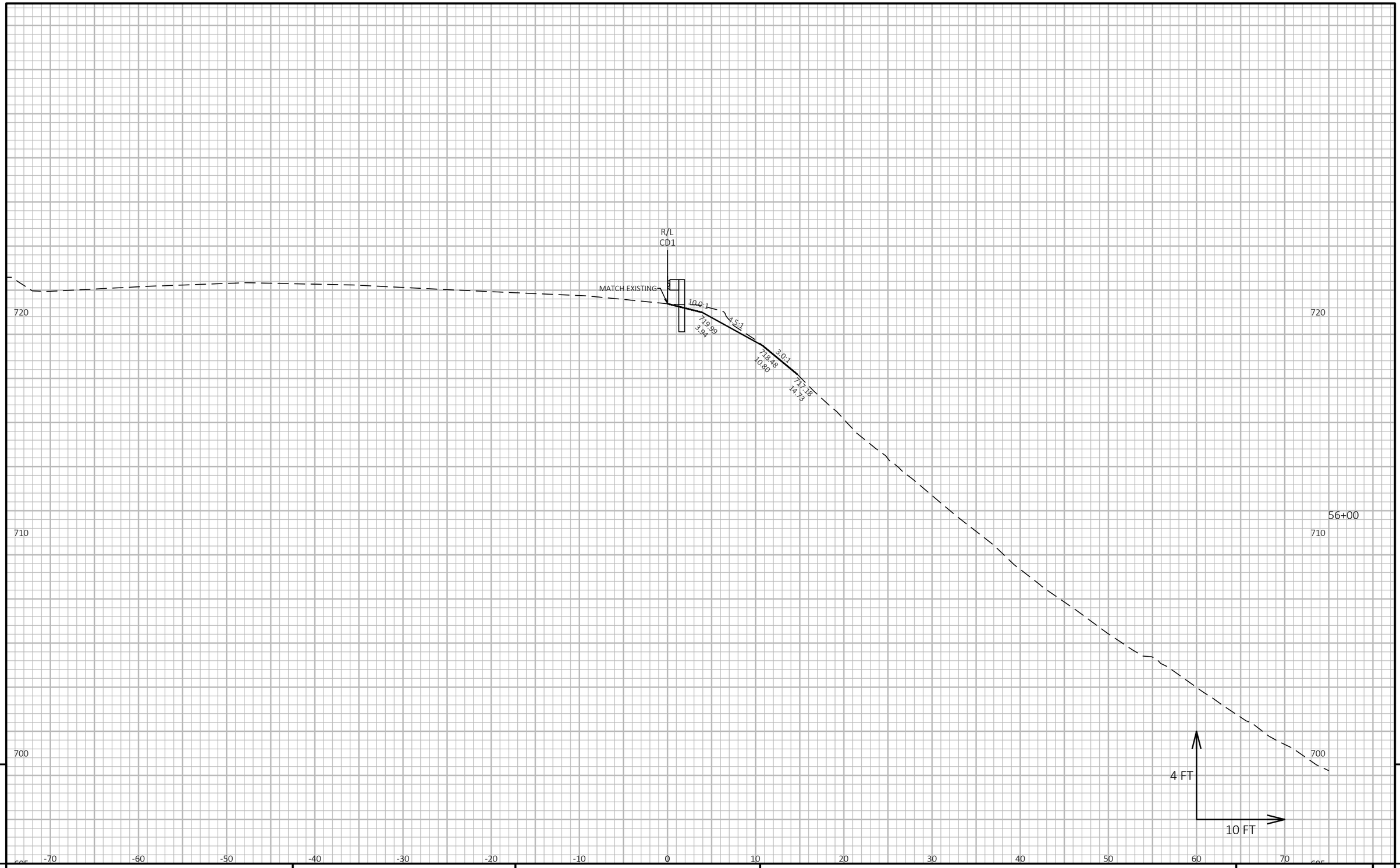
9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT CAPITOL DR ENTRANCE RAMP, R/L CD1	SHEET PRE_276 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090202_XS BG CAPITOL RAMP - CD1.DWG
LAYOUT NAME - 0902012_XS

PLOT DATE : 8/23/2021 8:49 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

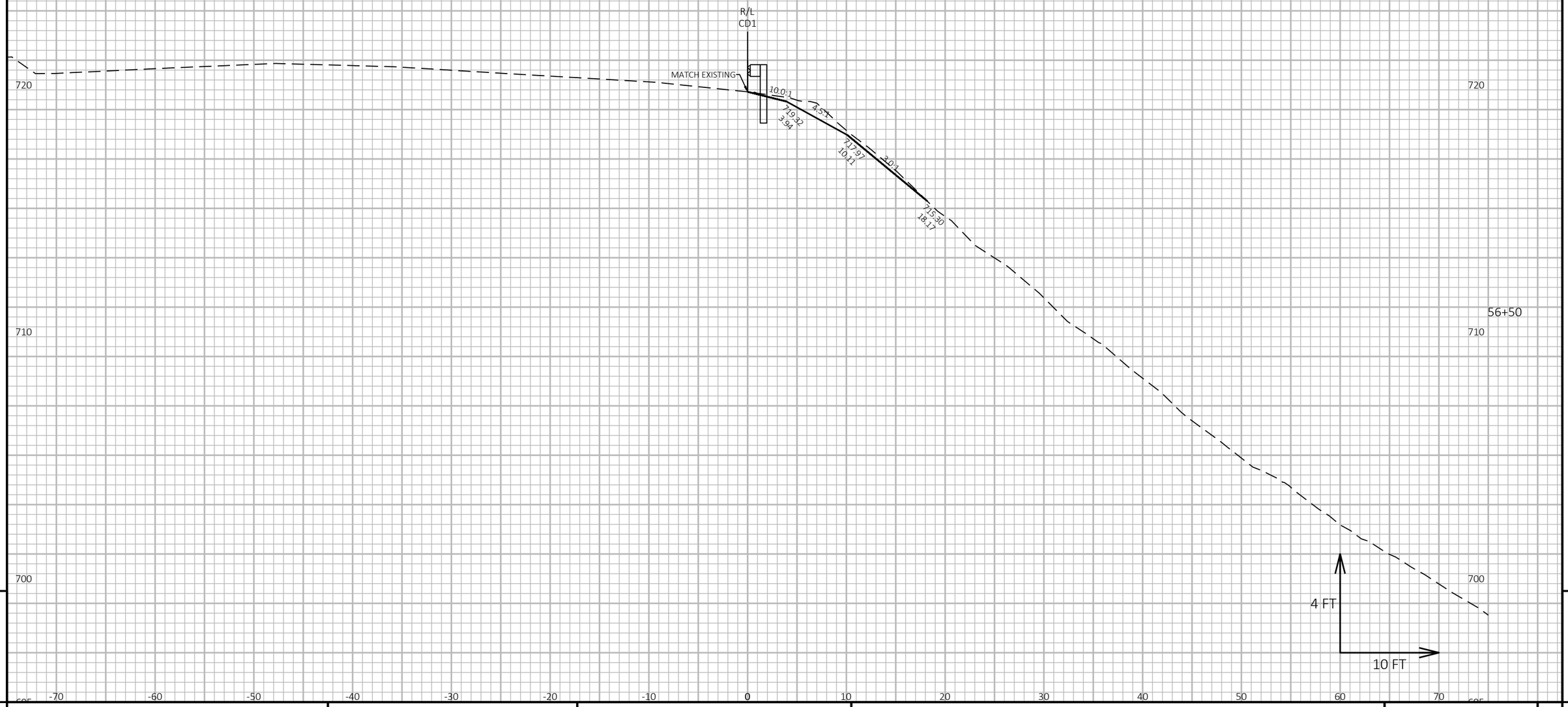
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT CAPITOL DR ENTRANCE RAMP, R/L CD1	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090202_XS BG CAPITOL RAMP - CD1.DWG
LAYOUT NAME - 0902013_XS

PLOT DATE : 8/23/2021 8:49 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_277

WISDOT/CADDS SHEET 49



9

9

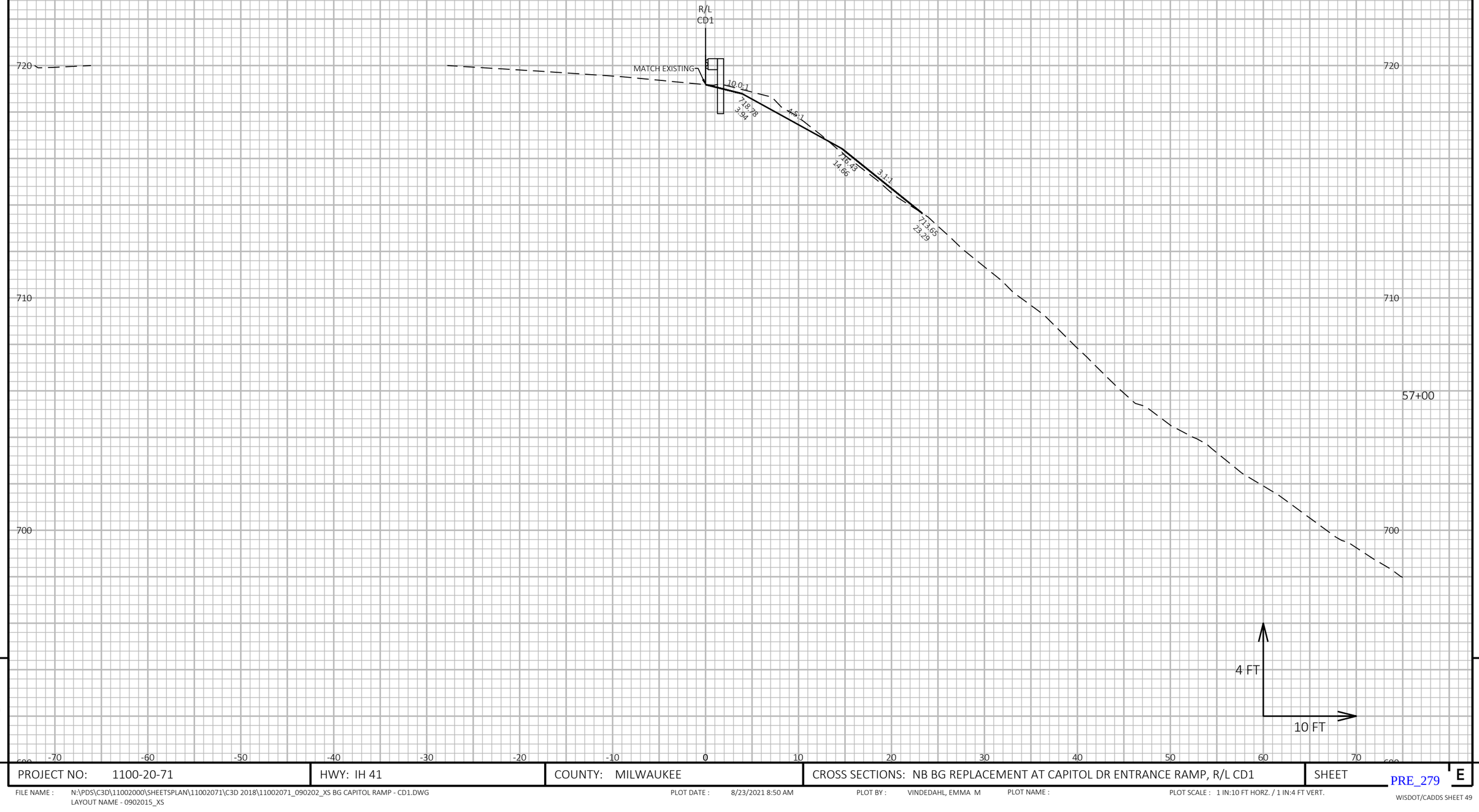
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT CAPITOL DR ENTRANCE RAMP, R/L CD1	SHEET E

PRE_278

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090202_XS BG CAPITOL RAMP - CD1.DWG
LAYOUT NAME - 0902014_XS

PLOT DATE : 8/23/2021 8:50 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



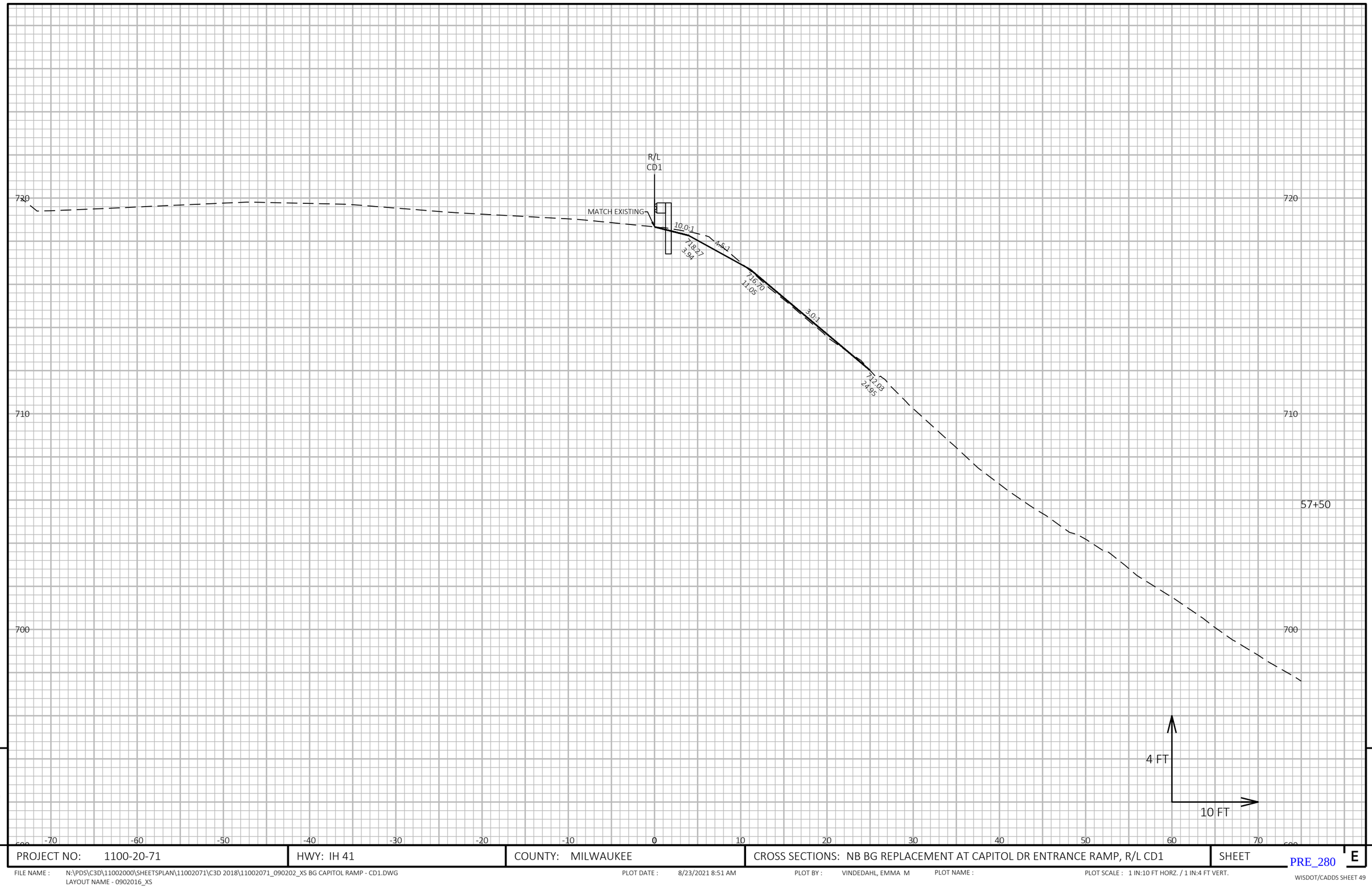
9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT CAPITOL DR ENTRANCE RAMP, R/L CD1	SHEET PRE_279 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090202_XS BG CAPITOL RAMP - CD1.DWG
LAYOUT NAME - 0902015_XS

PLOT DATE : 8/23/2021 8:50 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

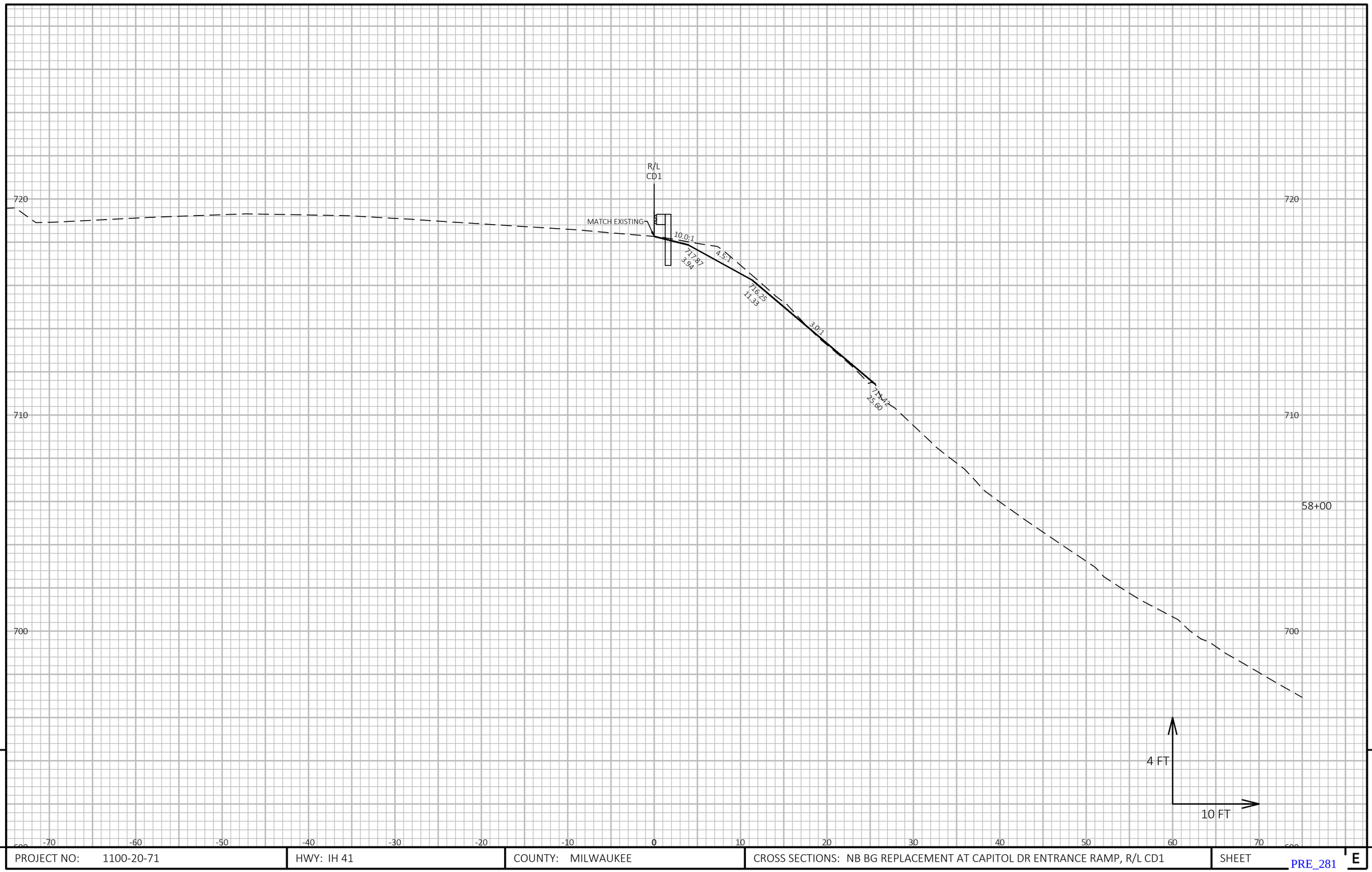
9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT CAPITOL DR ENTRANCE RAMP, R/L CD1	SHEET PRE_280 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090202_XS BG CAPITOL RAMP - CD1.DWG
LAYOUT NAME - 0902016_XS

PLOT DATE : 8/23/2021 8:51 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

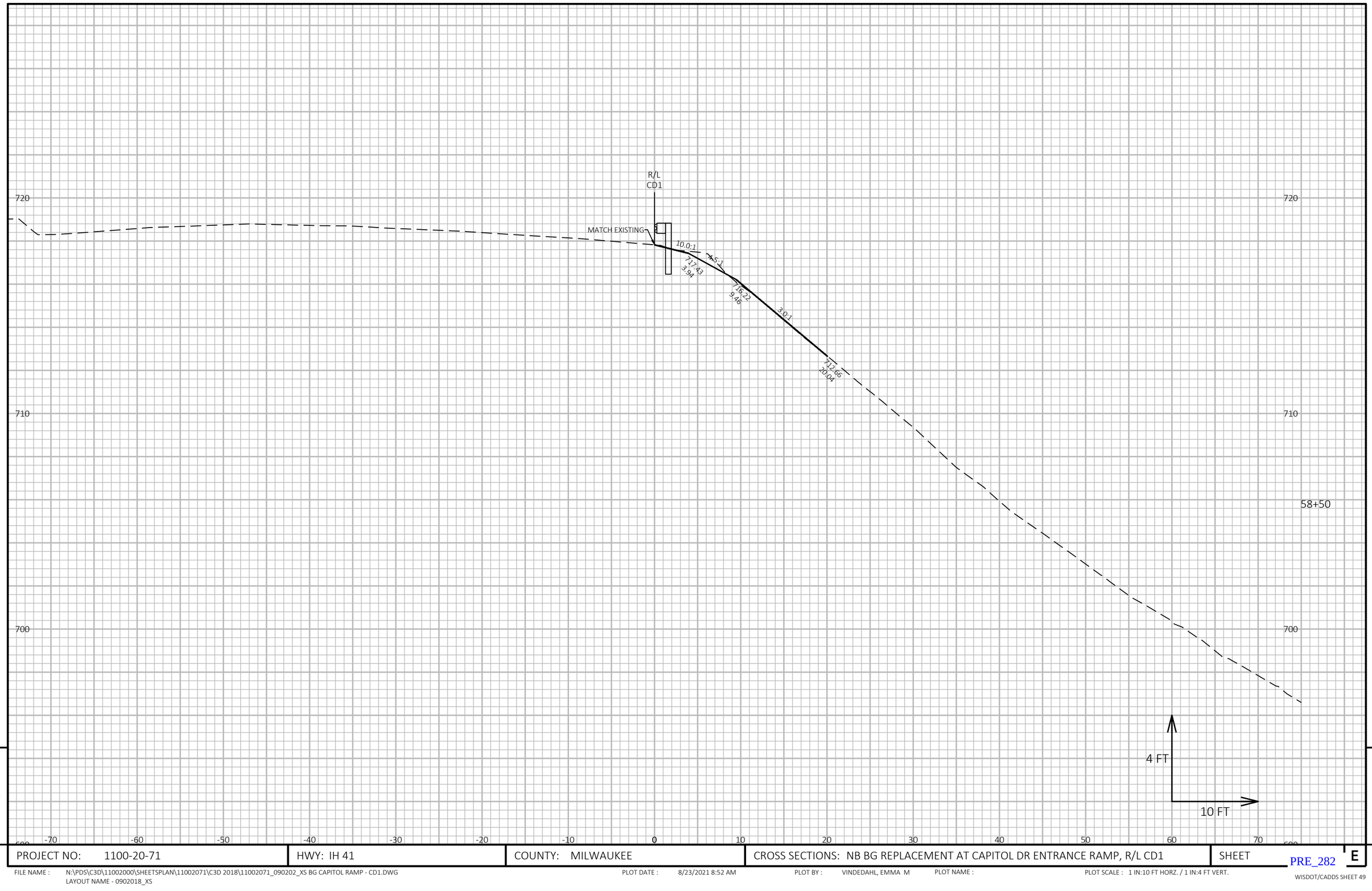
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT CAPITOL DR ENTRANCE RAMP, R/L CD1	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090202_XS BG CAPITOL RAMP - CD1.DWG
LAYOUT NAME - 0902017_XS

PLOT DATE : 8/23/2021 8:51 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_281

WISDOT/CADDS SHEET 49



9

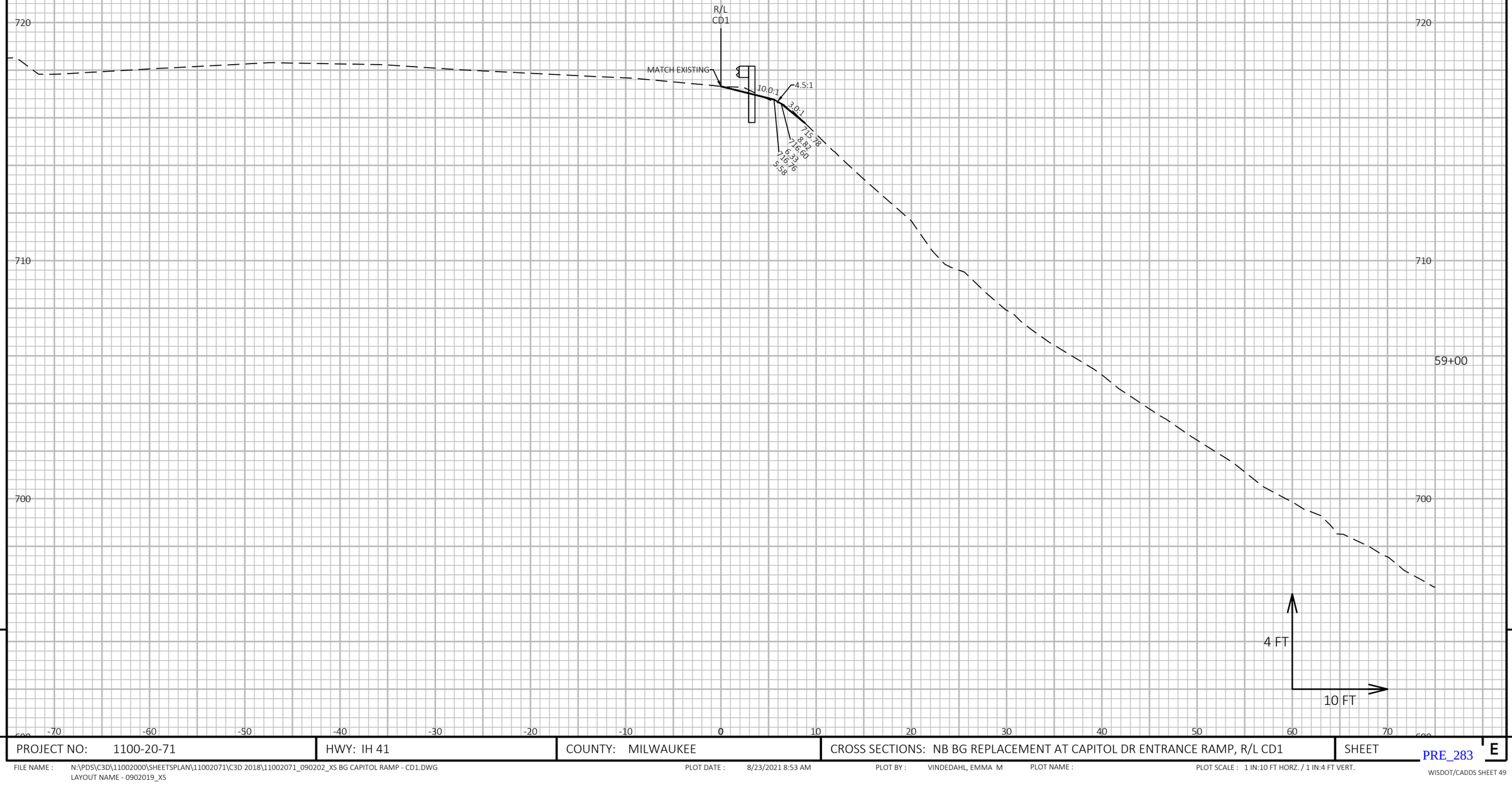
9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT CAPITOL DR ENTRANCE RAMP, R/L CD1	SHEET PRE_282 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090202_XS BG CAPITOL RAMP - CD1.DWG
LAYOUT NAME - 0902018_XS

PLOT DATE : 8/23/2021 8:52 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

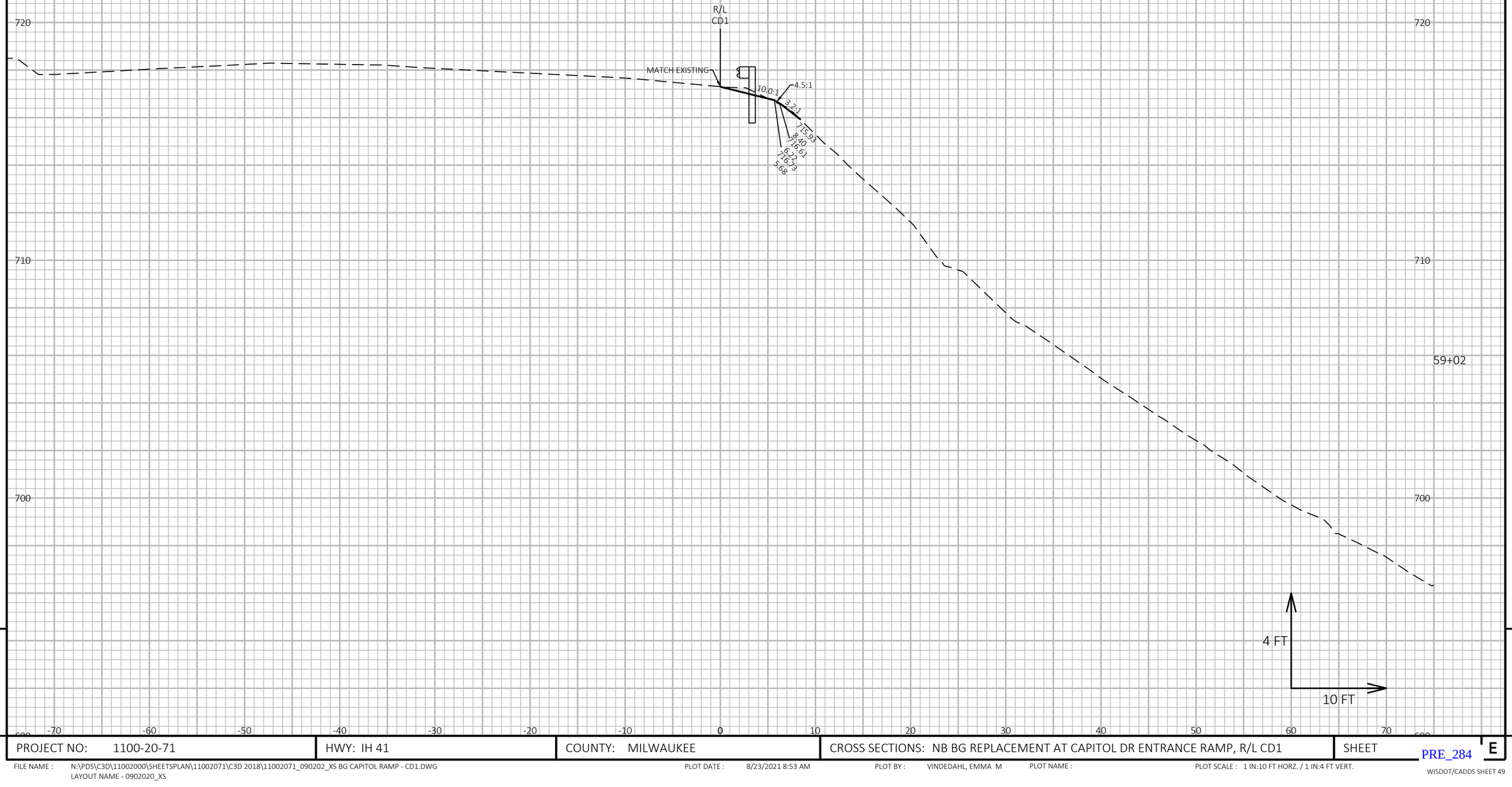
9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT CAPITOL DR ENTRANCE RAMP, R/L CD1	SHEET PRE_283 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090202_XS BG CAPITOL RAMP - CD1.DWG
LAYOUT NAME - 0902019_XS

PLOT DATE : 8/23/2021 8:53 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

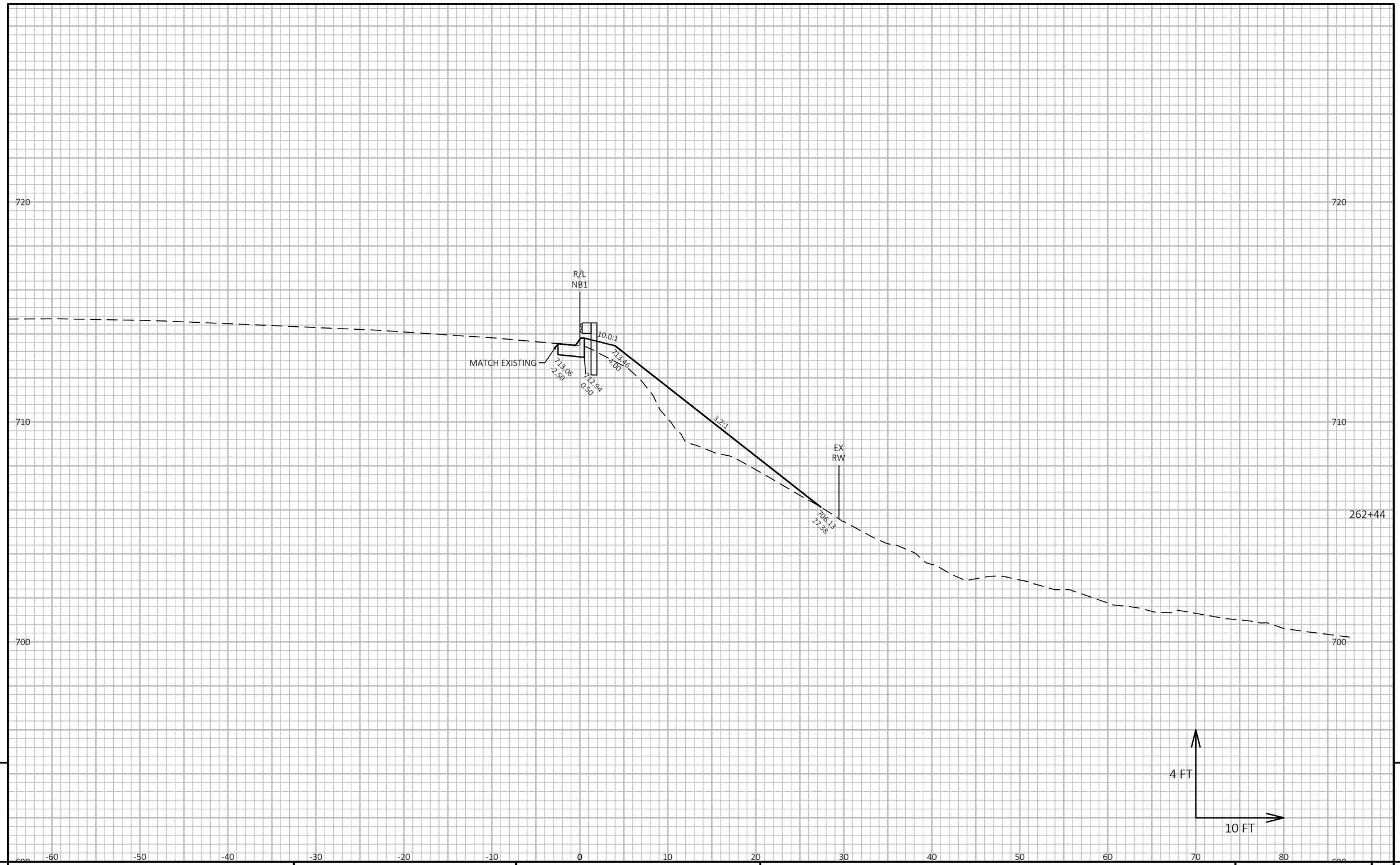
9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT CAPITOL DR ENTRANCE RAMP, R/L CD1	SHEET PRE_284 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090202_XS BG CAPITOL RAMP - CD1.DWG
LAYOUT NAME - 0902020_XS

PLOT DATE : 8/23/2021 8:53 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

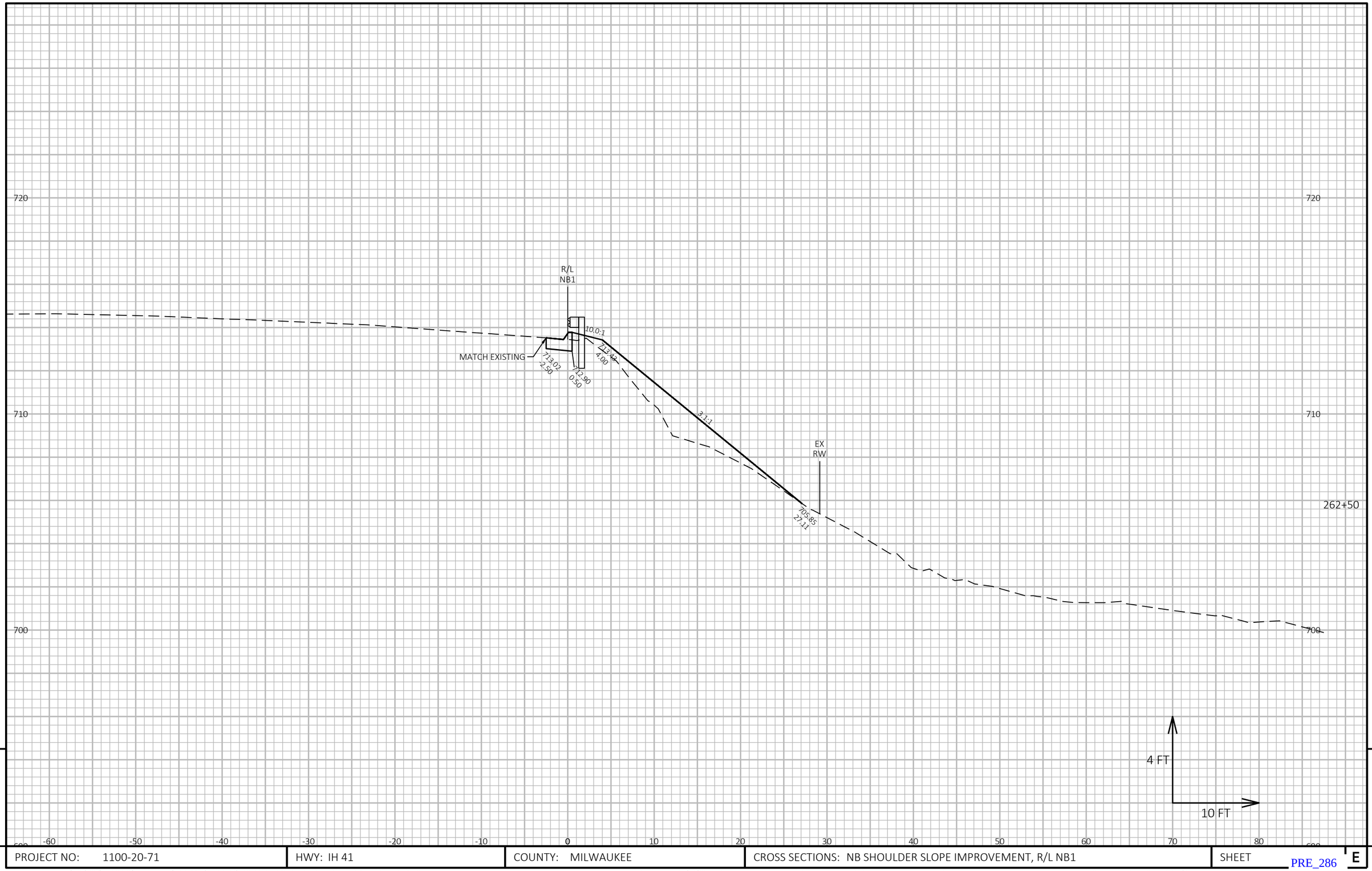
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB SHOULDER SLOPE IMPROVEMENT, R/L NB1	SHEET E

PRE_285

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090203_XS_NB SHLDR NEAR CULVERT - NB1.DWG
LAYOUT NAME - 090201_XS

PLOT DATE : 10/20/2021 1:04 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

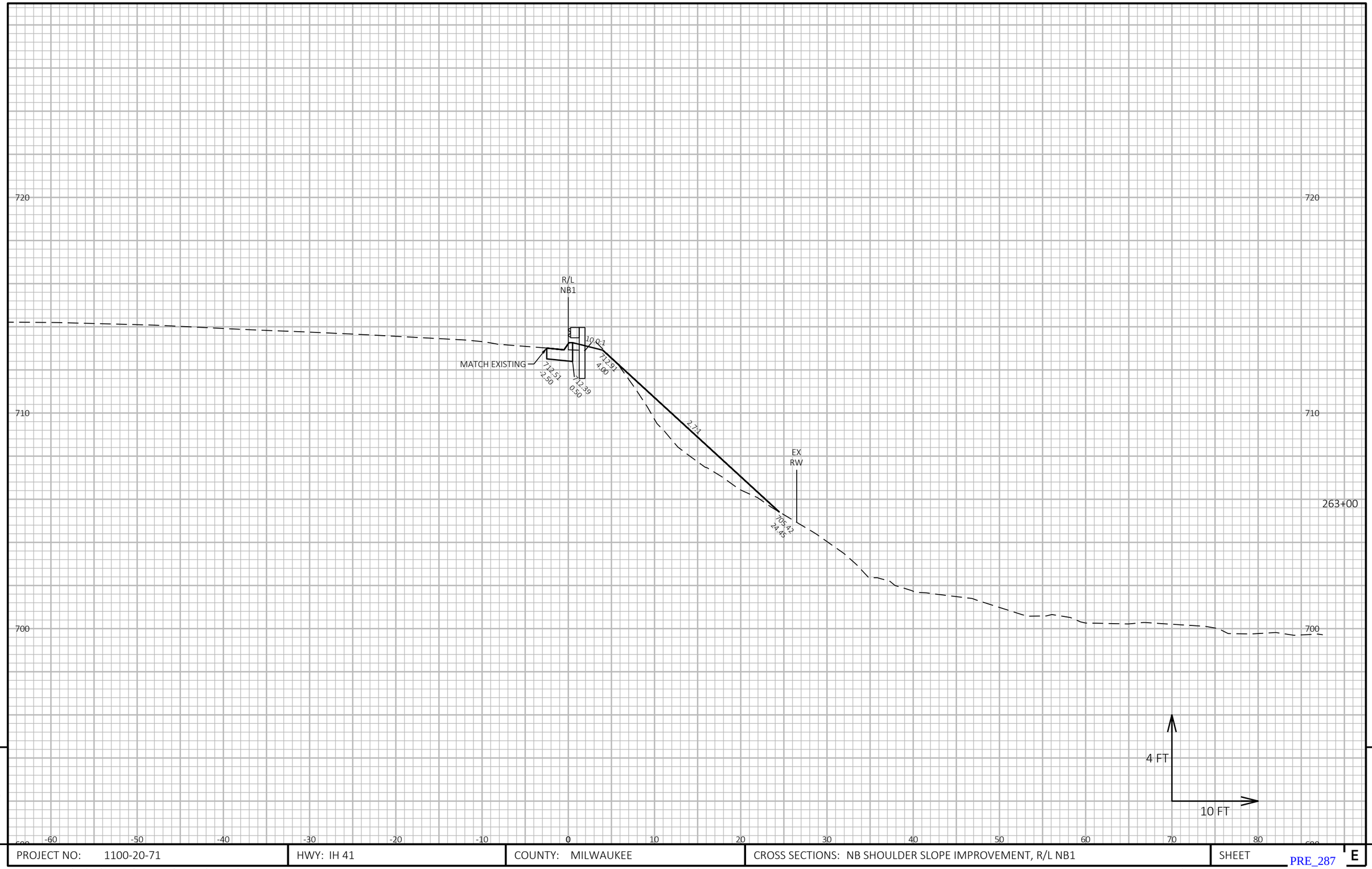
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB SHOULDER SLOPE IMPROVEMENT, R/L NB1	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090203_XS_NB SHLDR NEAR CULVERT - NB1.DWG
LAYOUT NAME - 090202_XS

PLOT DATE : 10/20/2021 1:04 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_286

WISDOT/CADDS SHEET 49



9

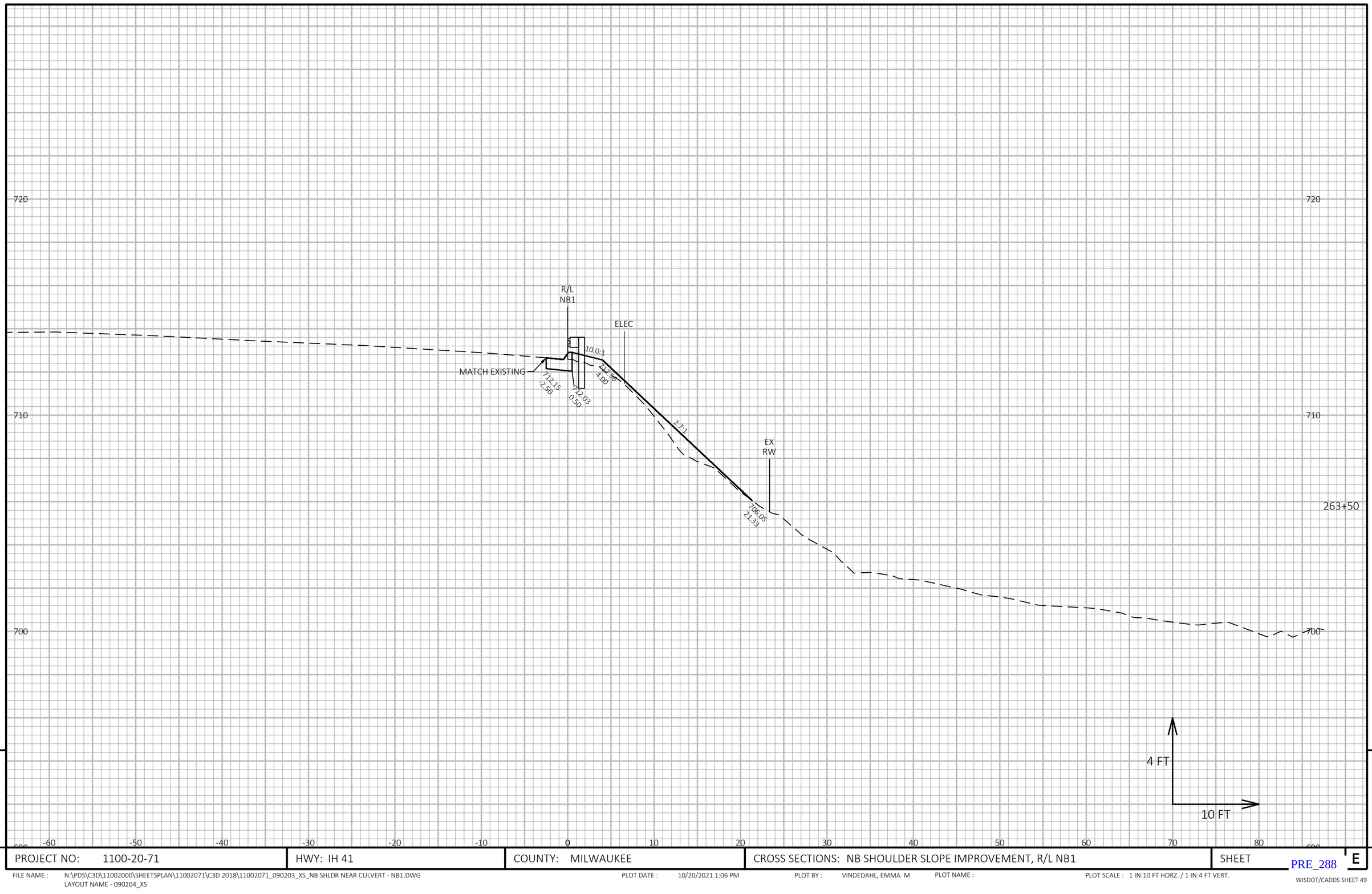
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB SHOULDER SLOPE IMPROVEMENT, R/L NB1	SHEET E

PRE_287

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090203_XS_NB SHLDR NEAR CULVERT - NB1.DWG
LAYOUT NAME - 090203_XS

PLOT DATE : 10/20/2021 1:05 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB SHOULDER SLOPE IMPROVEMENT, R/L NB1	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090203_XS_NB SHLDR NEAR CULVERT - NB1.DWG
LAYOUT NAME - 090204_XS

PLOT DATE : 10/20/2021 1:06 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_288

WISDOT/CADDS SHEET 49



9

9

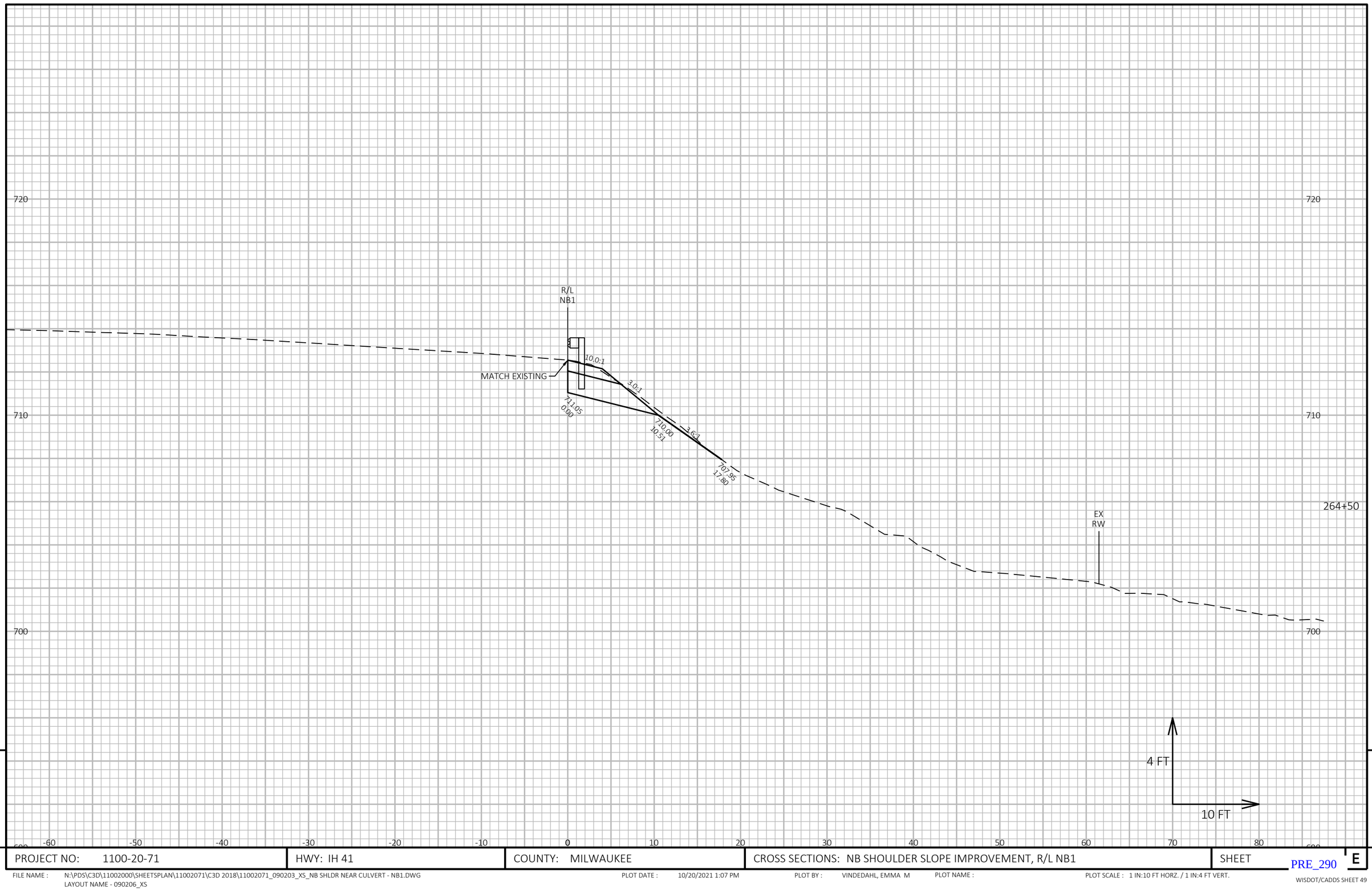
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB SHOULDER SLOPE IMPROVEMENT, R/L NB1	SHEET E

PRE_289

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090203_XS_NB SHLDR NEAR CULVERT - NB1.DWG
LAYOUT NAME - 090205_XS

PLOT DATE : 10/20/2021 1:06 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB SHOULDER SLOPE IMPROVEMENT, R/L NB1	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090203_XS_NB SHLDR NEAR CULVERT - NB1.DWG
LAYOUT NAME - 090206_XS

PLOT DATE : 10/20/2021 1:07 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_290

WISDOT/CADDS SHEET 49

720

710

700

R/L
NB1

MATCH EXISTING

10.0:1

3.5:1

9.1:1

711.33
0.00

710.11
12.23

709.45
18.19

EX
RW

265+00

720

710

700

4 FT

10 FT

-60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

9

9

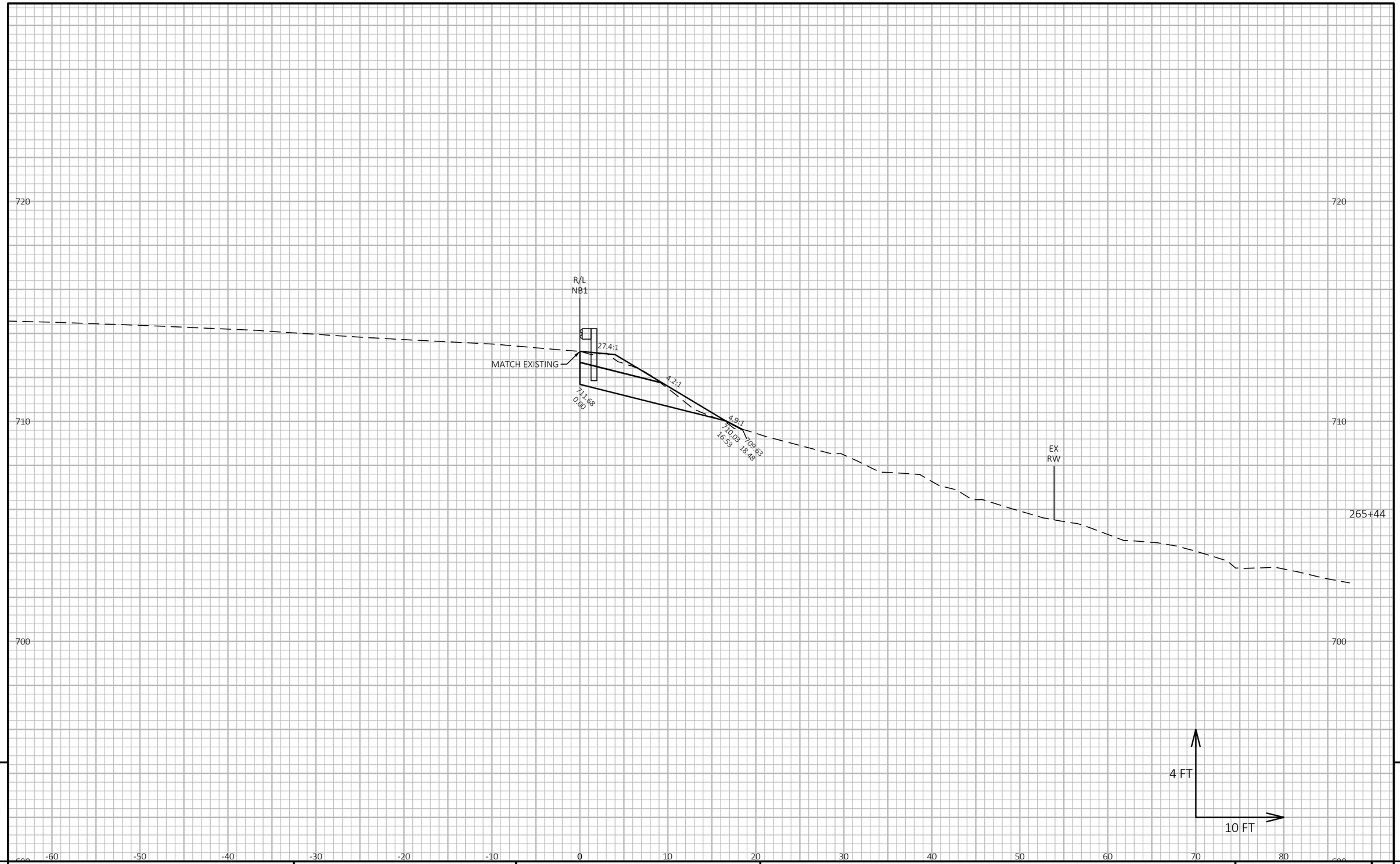
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB SHOULDER SLOPE IMPROVEMENT, R/L NB1	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090203_XS_NB SHLDR NEAR CULVERT - NB1.DWG
LAYOUT NAME - 090207_XS

PLOT DATE : 10/20/2021 1:08 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_291

WISDOT/CADDS SHEET 49



9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB SHOULDER SLOPE IMPROVEMENT, R/L NB1	SHEET E

PRE_292

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090203_XS_NB SHLDR NEAR CULVERT - NB1.DWG
LAYOUT NAME - 090208_XS

PLOT DATE : 10/20/2021 1:08 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

740

730

720

710

700

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

10+00

EX WETLAND

RT NW1

10.0%

11.1:1

718.15 -4.00

719.55 0.00

718.55 0.75

717.86 8.52

WETLAND

FO

4 FT

10 FT

9

9

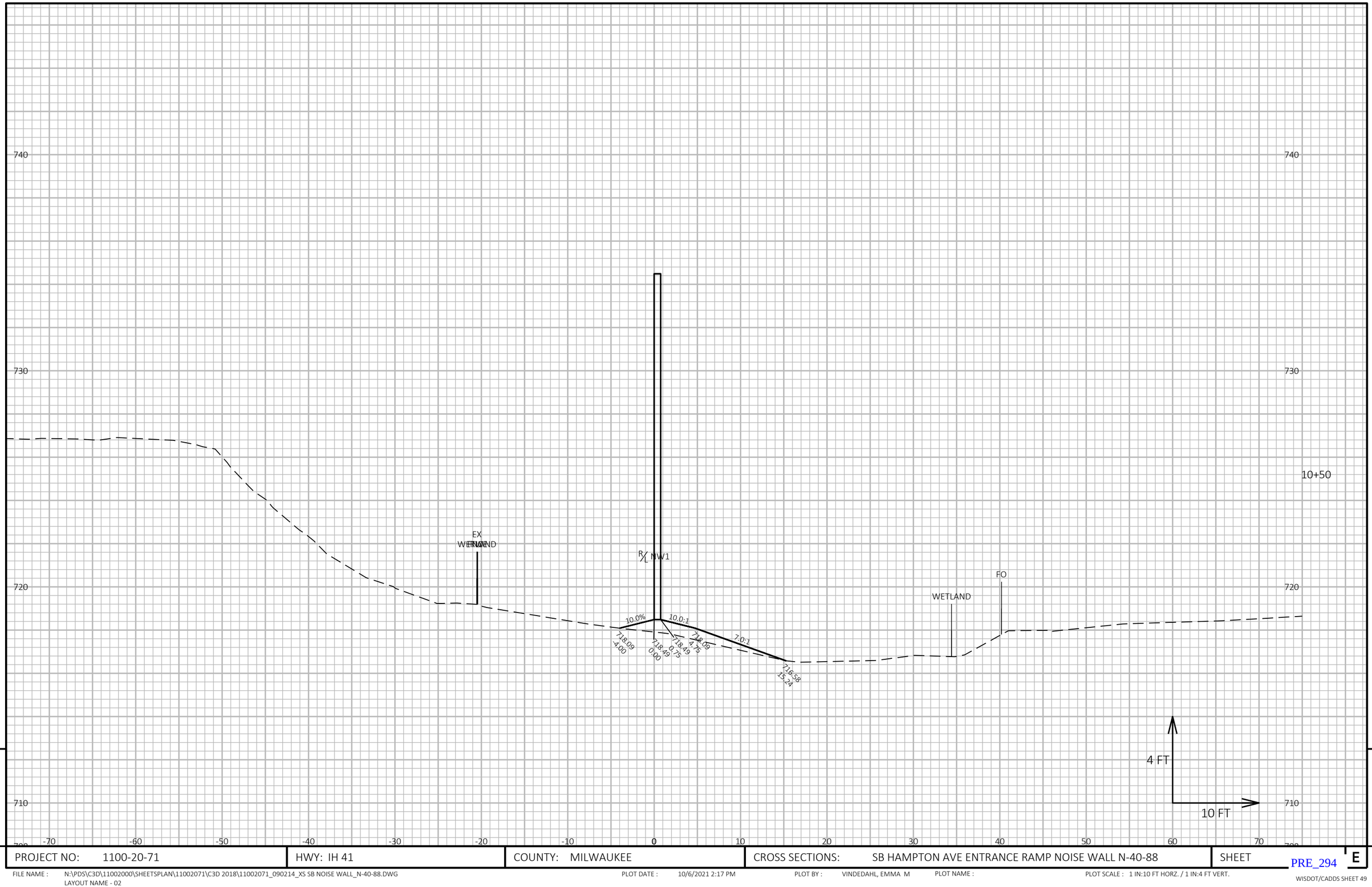
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET E

PRE_293

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 01

PLOT DATE : 10/20/2021 11:50 AM PLOT BY : SANTIAGO PEREZ, EDGA PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

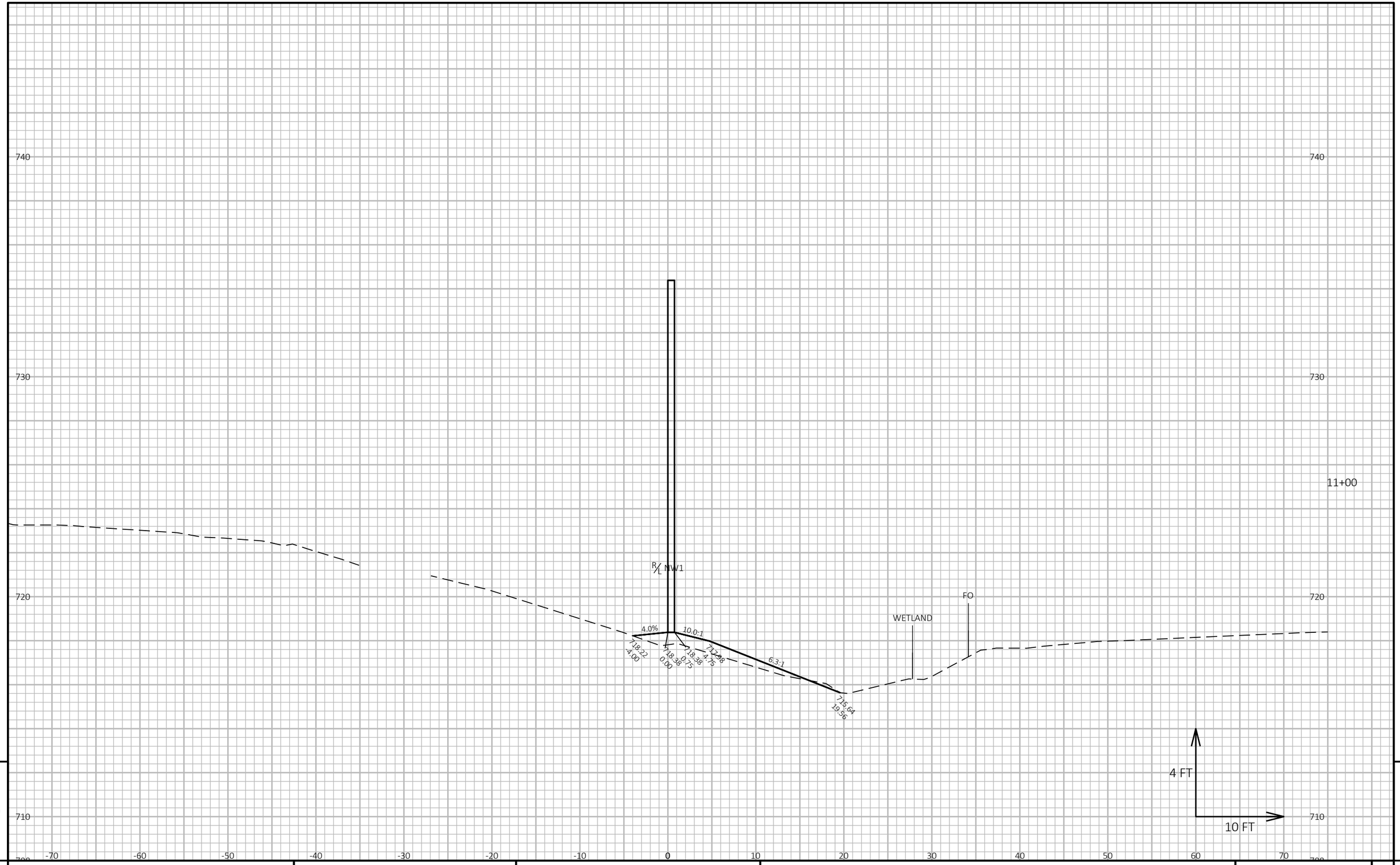
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 02

PLOT DATE : 10/6/2021 2:17 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_294

WISDOT/CADDS SHEET 49



9

9

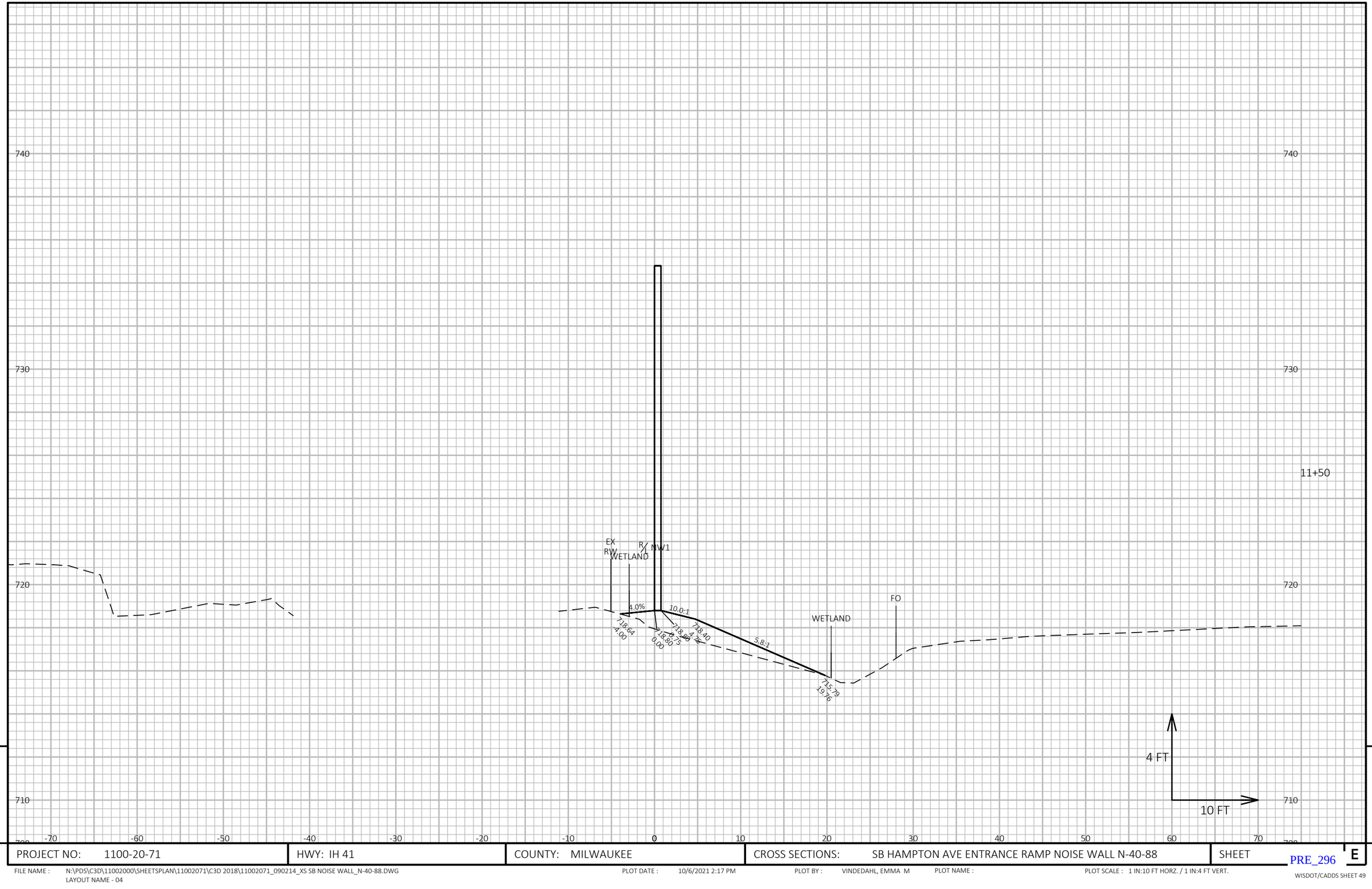
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET E

PRE_295

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 03

PLOT DATE : 10/6/2021 2:17 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET E

PRE_296

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 04

PLOT DATE : 10/6/2021 2:17 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



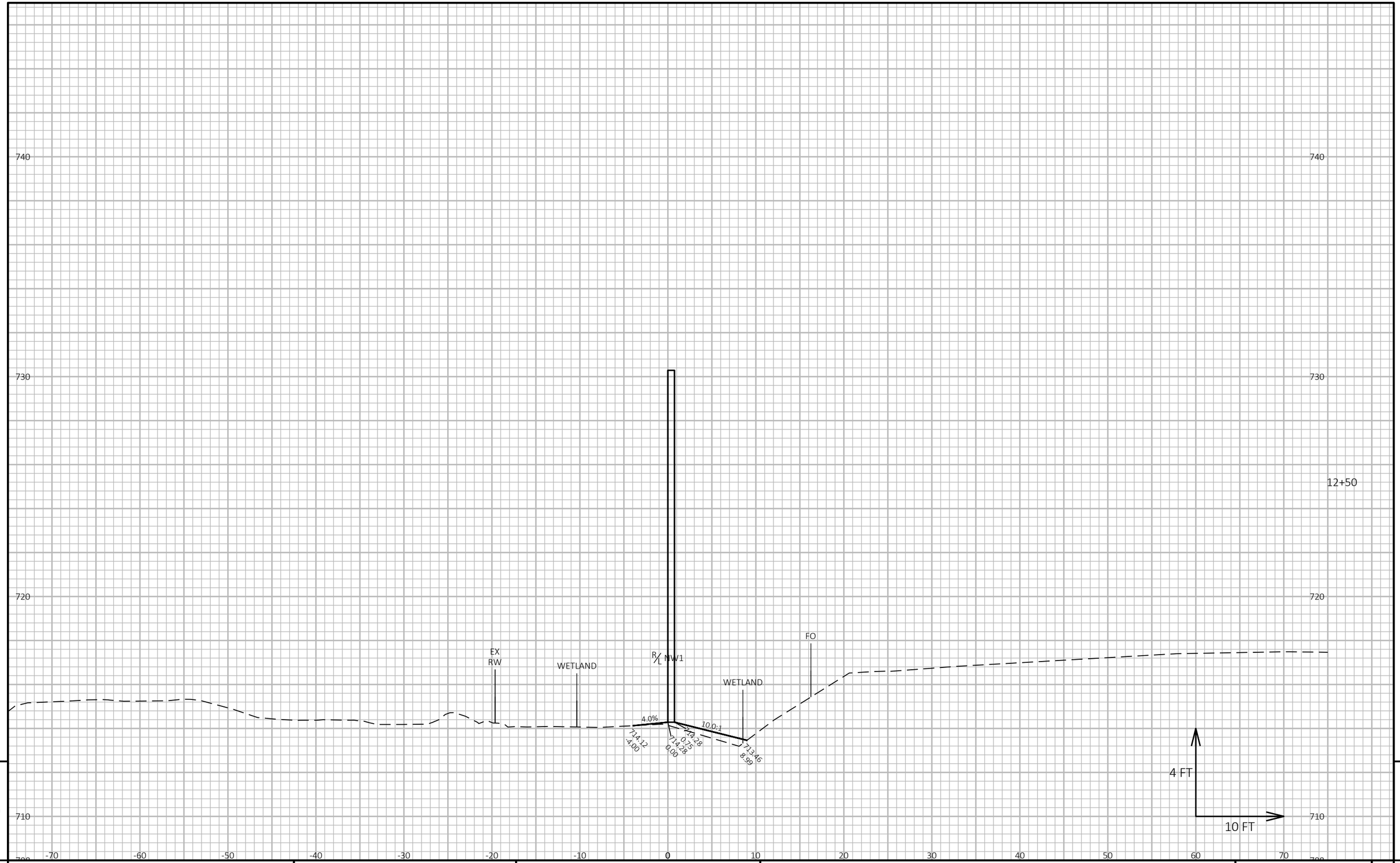
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PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET PRE_297 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 05

PLOT DATE : 10/6/2021 2:17 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET E

PRE_298

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 06

PLOT DATE : 10/6/2021 2:17 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

700

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

13+00

WETLAND

EX RW

R/L NW1

WETLAND

FO

1.0%

10.0:1

712.98
-5.31

713.03
0.00

713.03
0.75

712.48
6.29

4 FT

10 FT

9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET E

PRE_299

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 07

PLOT DATE : 10/6/2021 2:18 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

730

720

720

13+50

710

710

WETLAND

EX RSV

R/L NW1

WETLAND

FO

MATCH EXISTING

1.0%

10.0:1

712.34
7.49

712.41
0.00

712.41
9.75

711.83
6.59

4 FT

10 FT

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET E

PRE_300

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 08

PLOT DATE : 10/6/2021 2:18 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

730

720

720

14+00

EX RW

℄ NW1

FO

MATCH EXISTING

1.0%

10.0:1

712.56
-1.77

712.63
0.00

712.64
0.75

712.24
4.76

4 FT

10 FT

710

710

9

9

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

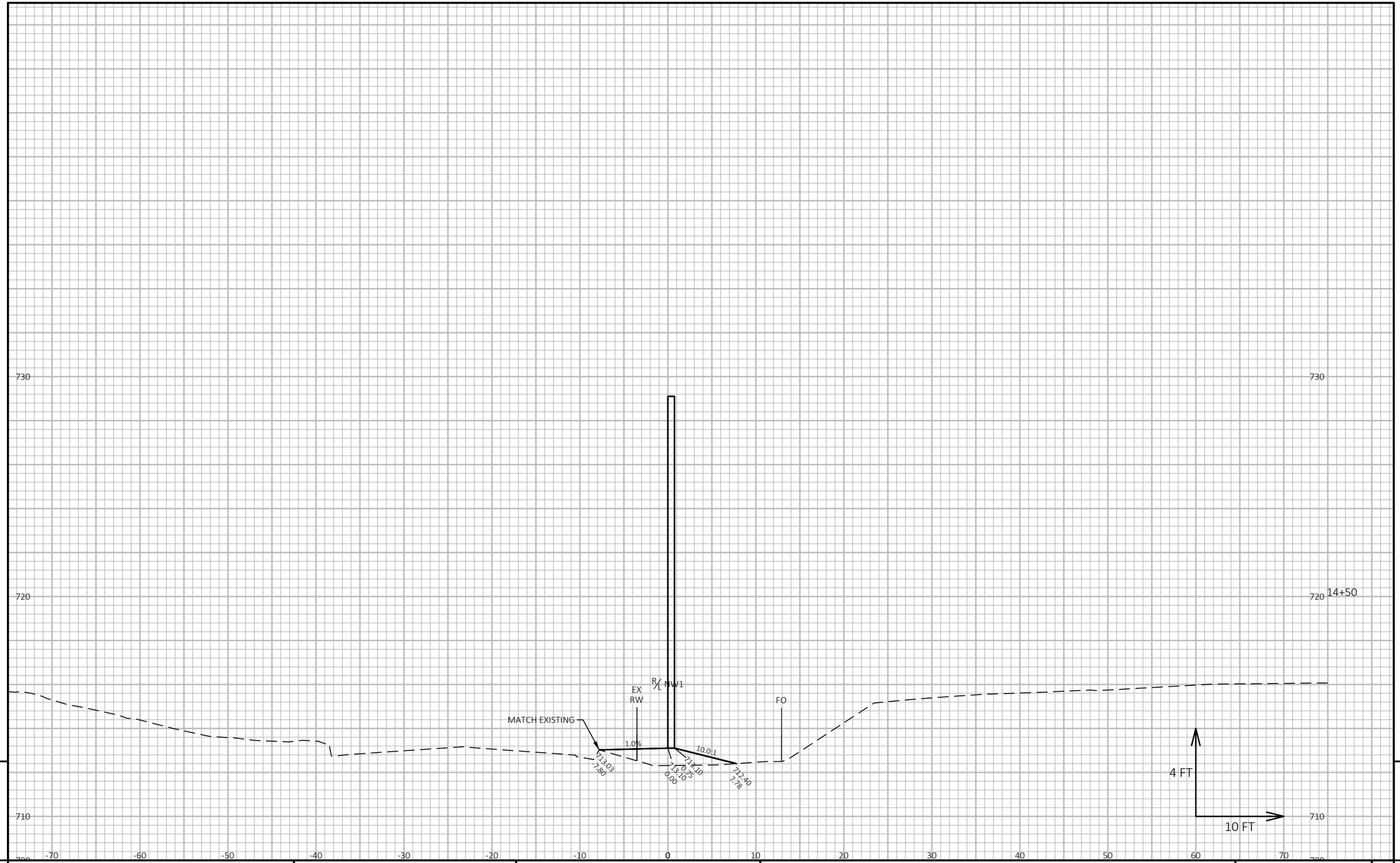
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET E

PRE_301

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 09

PLOT DATE : 10/6/2021 2:18 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9 9

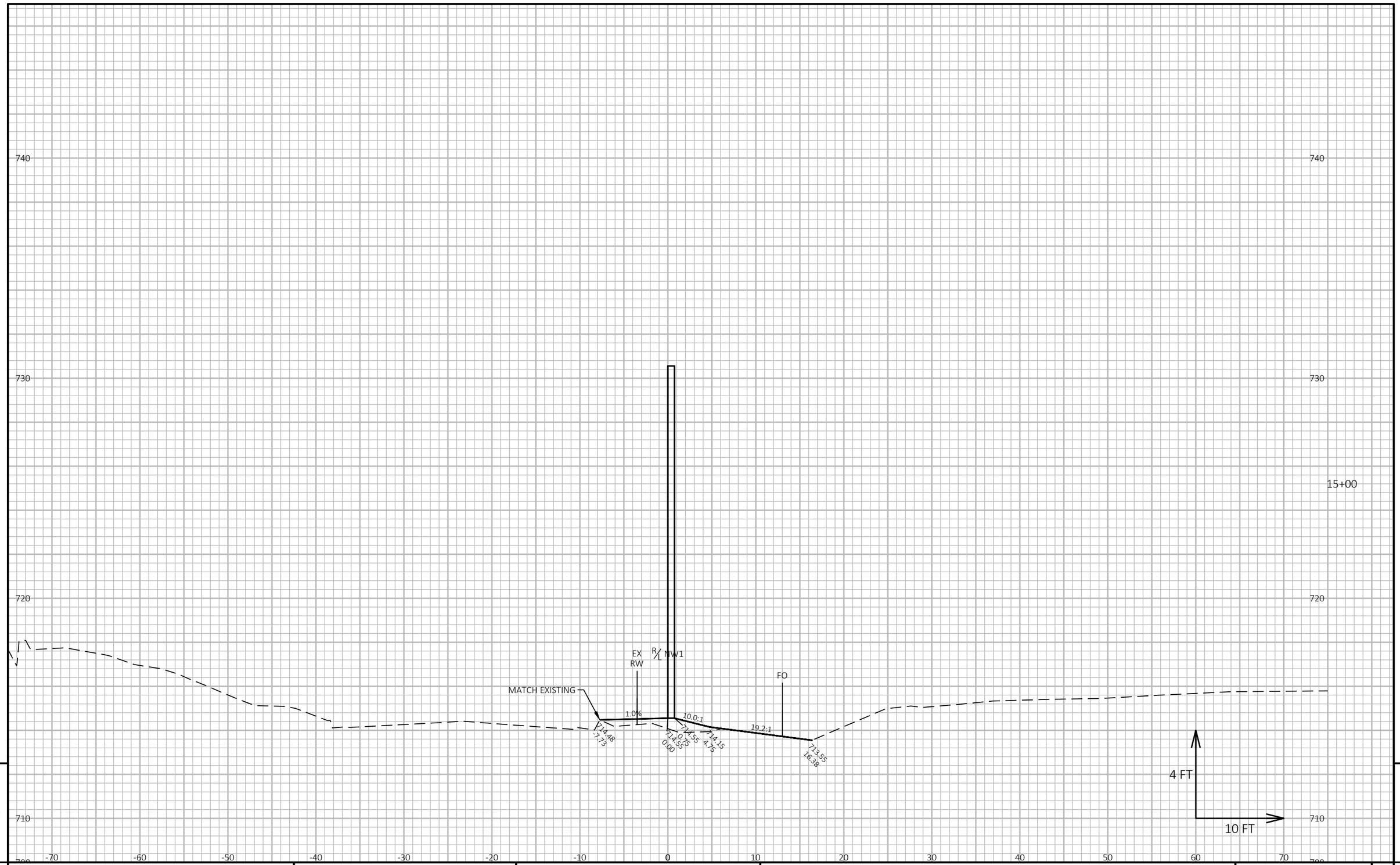
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET E

PRE_302

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 10

PLOT DATE : 10/6/2021 2:18 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

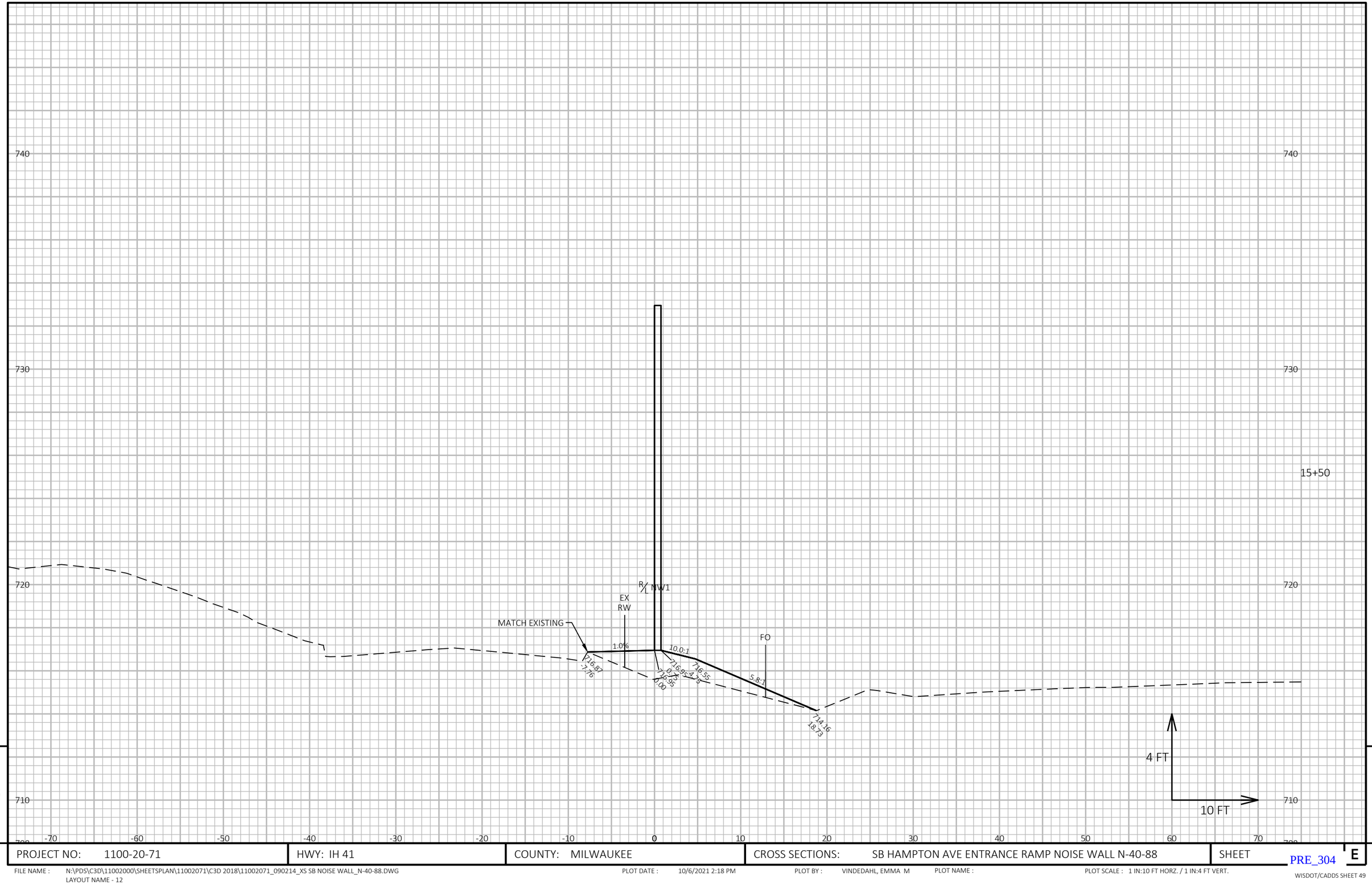
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PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET E

PRE_303

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 11

PLOT DATE : 10/6/2021 2:18 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.



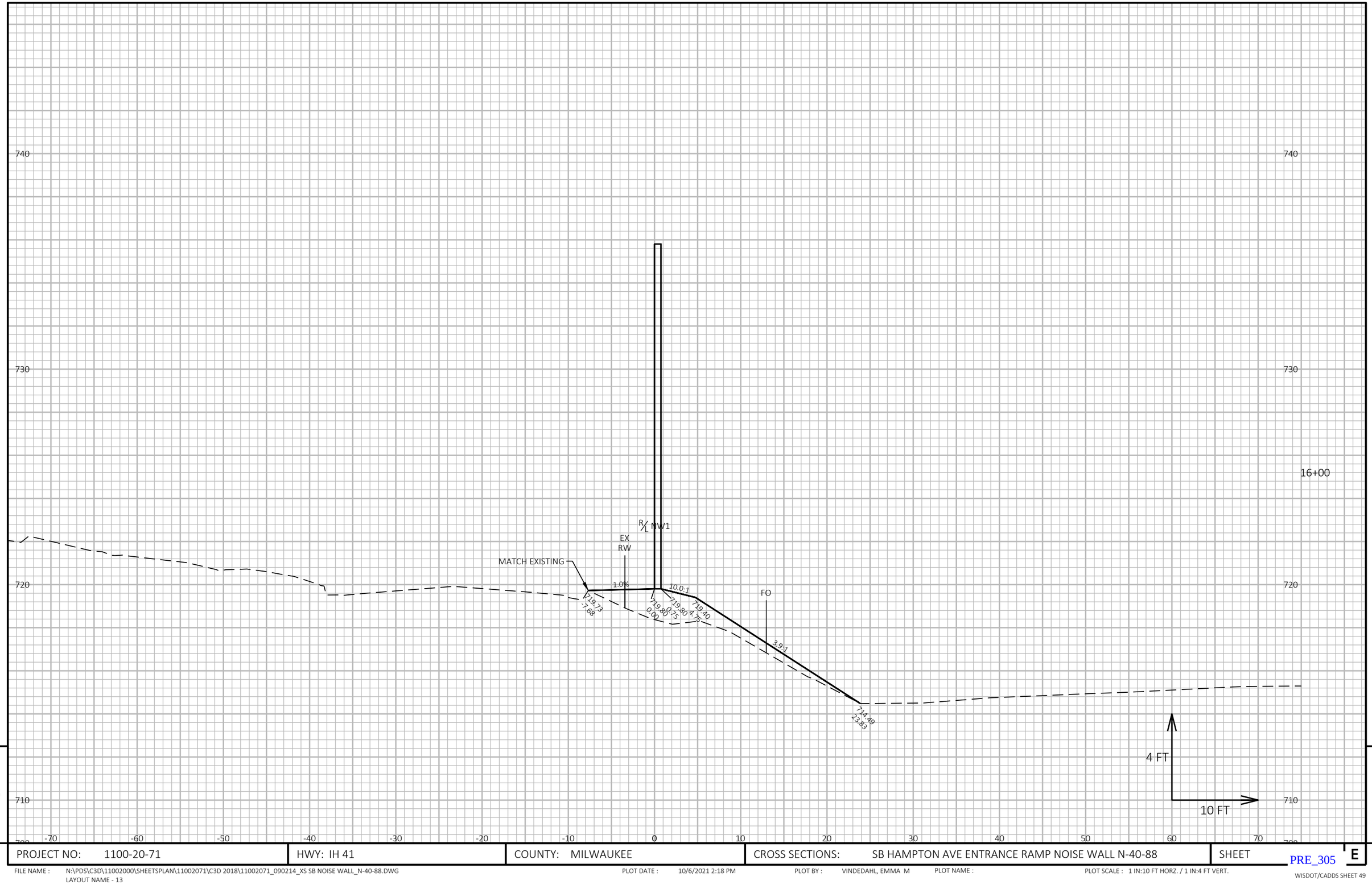
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 12

PLOT DATE : 10/6/2021 2:18 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_304

WISDOT/CADDS SHEET 49



9

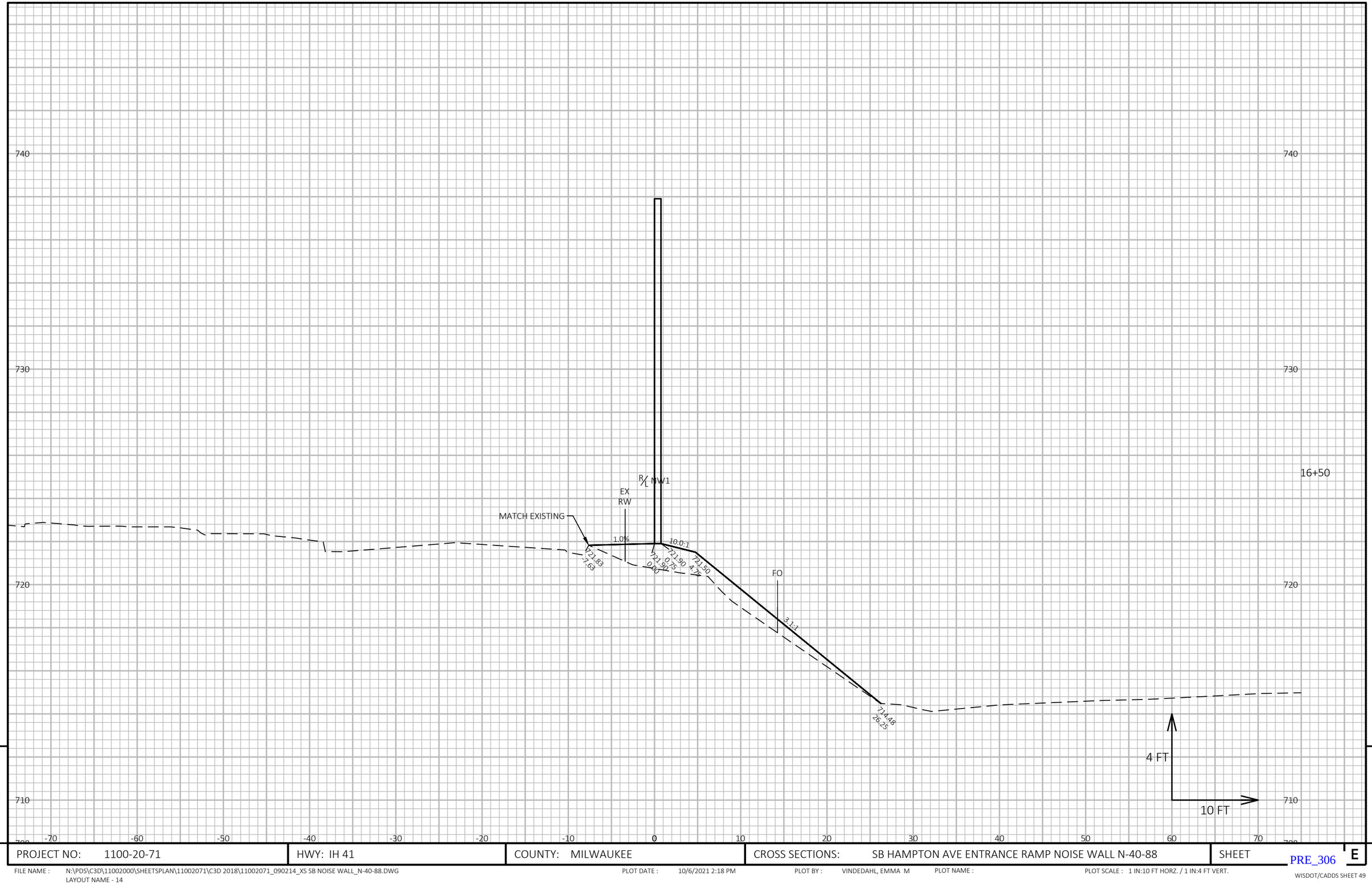
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET E

PRE_305

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 13

PLOT DATE : 10/6/2021 2:18 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



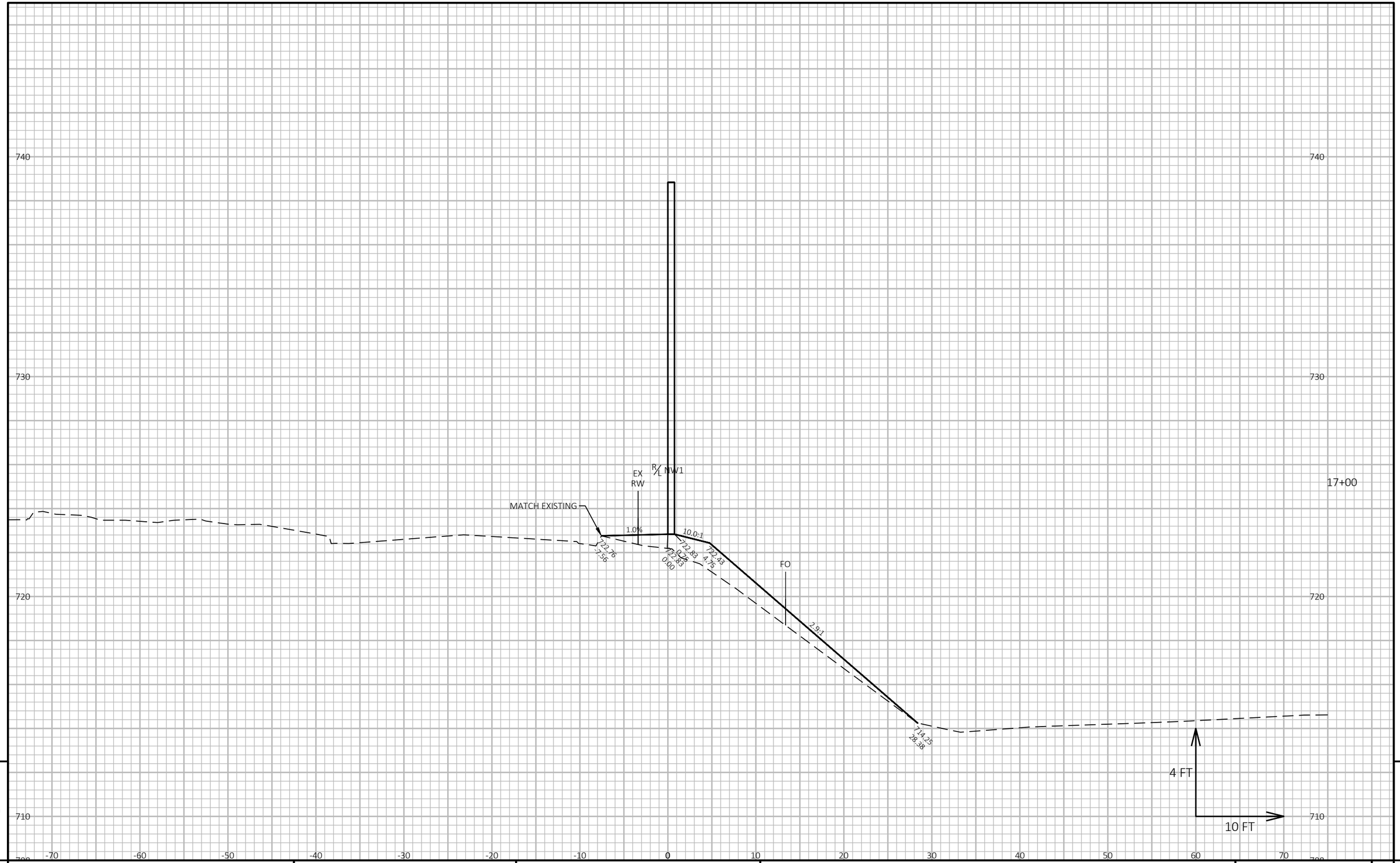
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET E

PRE_306

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 14

PLOT DATE : 10/6/2021 2:18 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET E

PRE_307

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 15

PLOT DATE : 10/6/2021 2:18 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



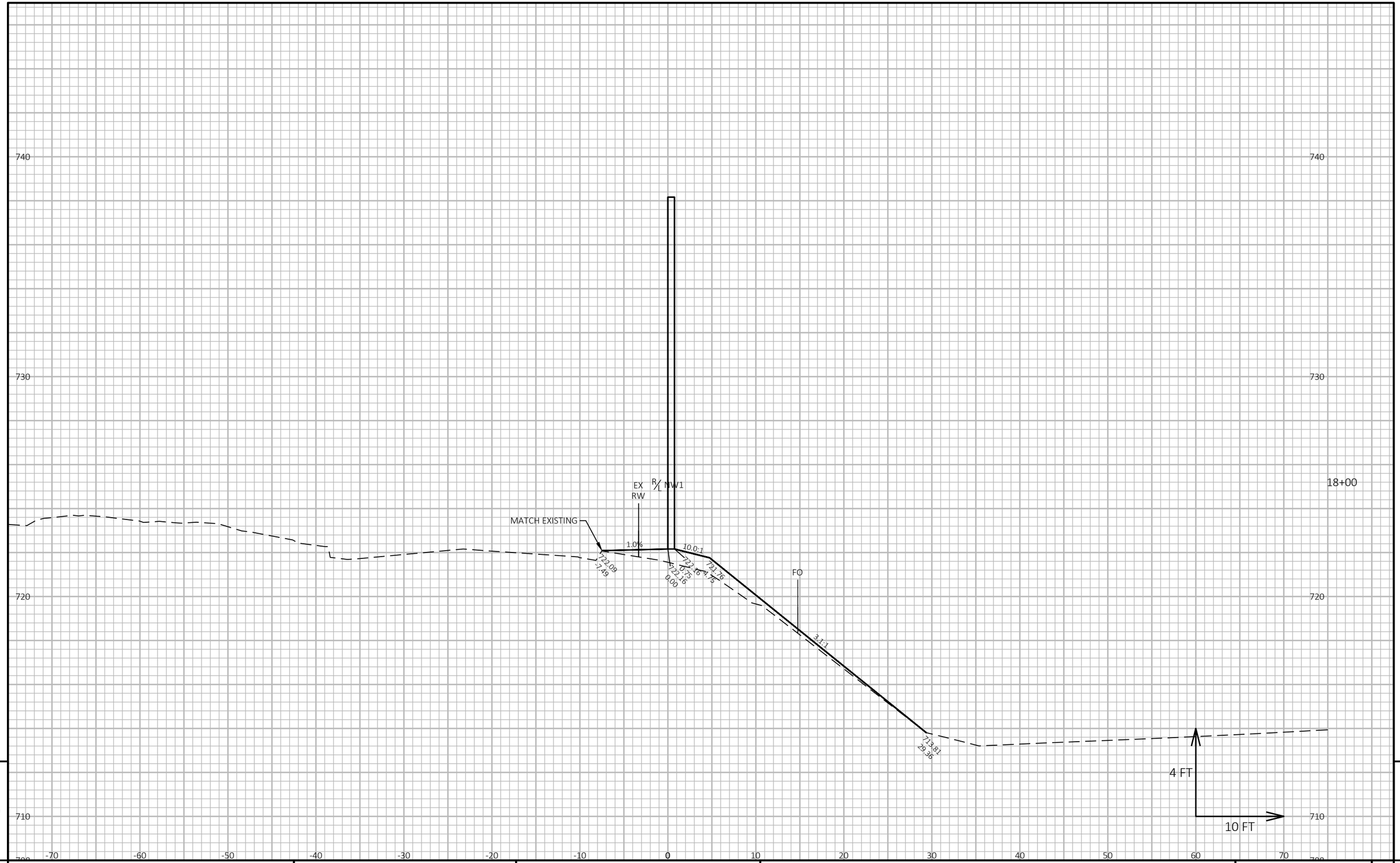
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 16

PLOT DATE : 10/6/2021 2:18 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_308

WISDOT/CADDS SHEET 49



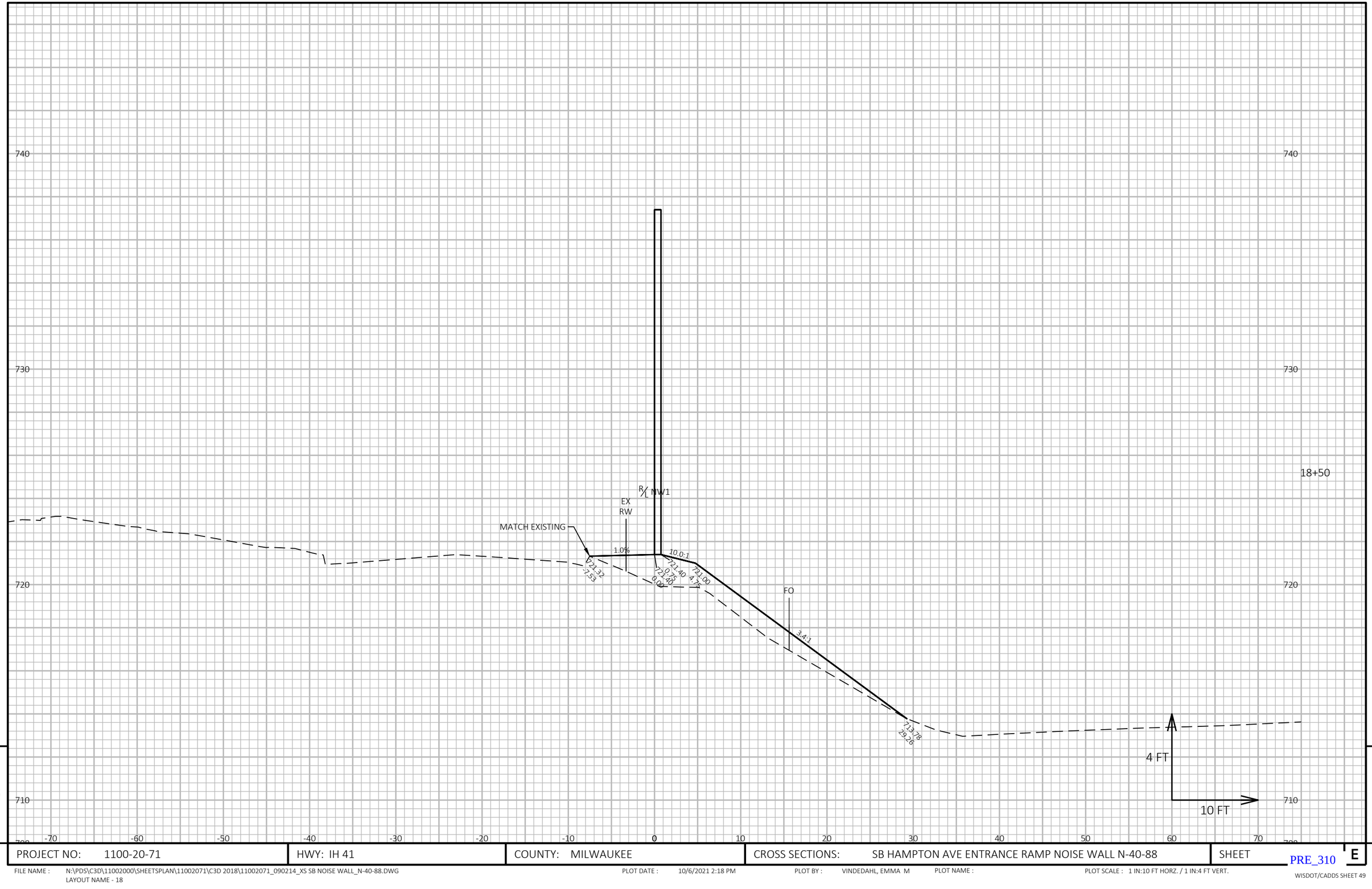
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET

PRE_309

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 17

PLOT DATE : 10/6/2021 2:18 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

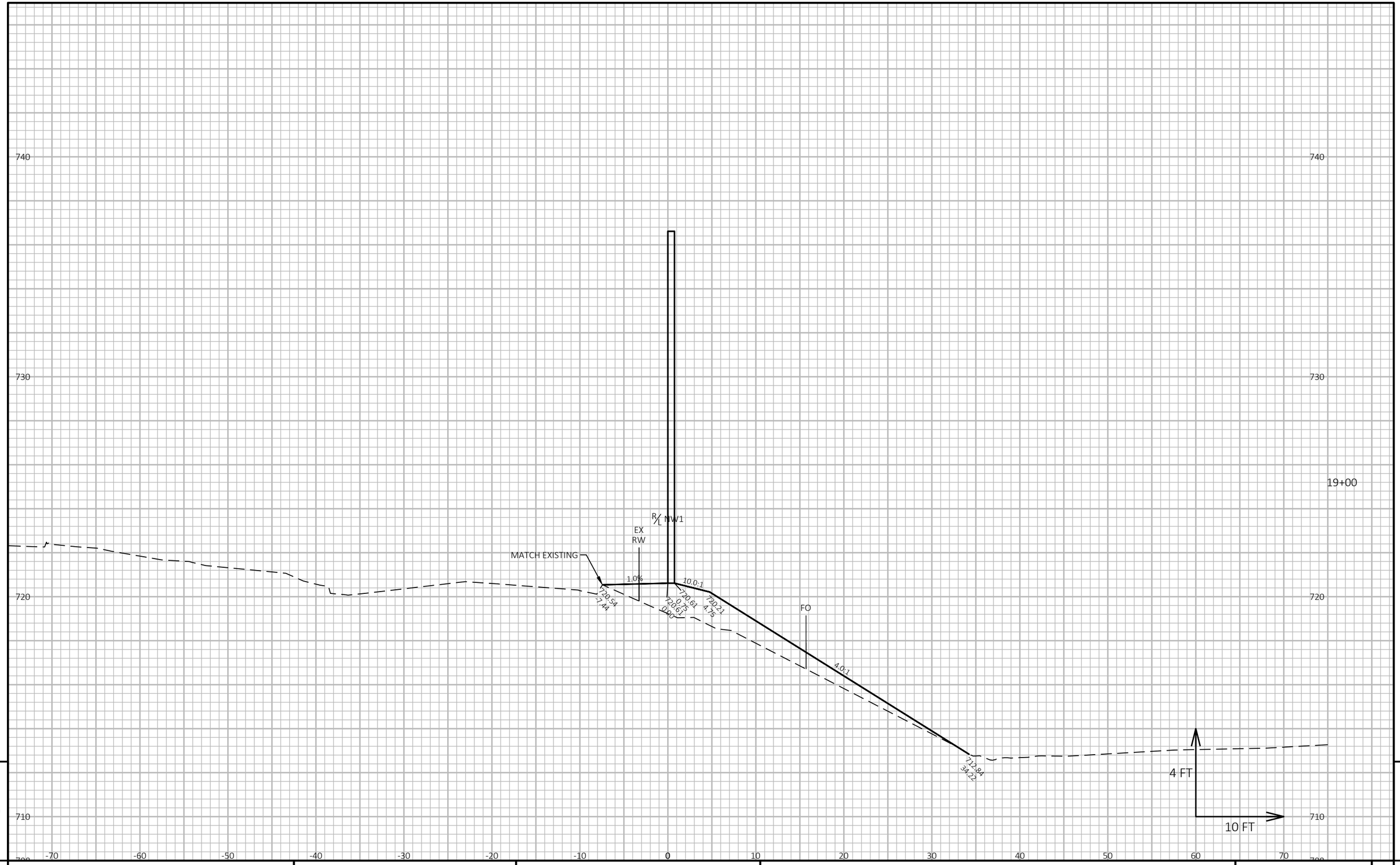
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET E

PRE_310

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 18

PLOT DATE : 10/6/2021 2:18 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

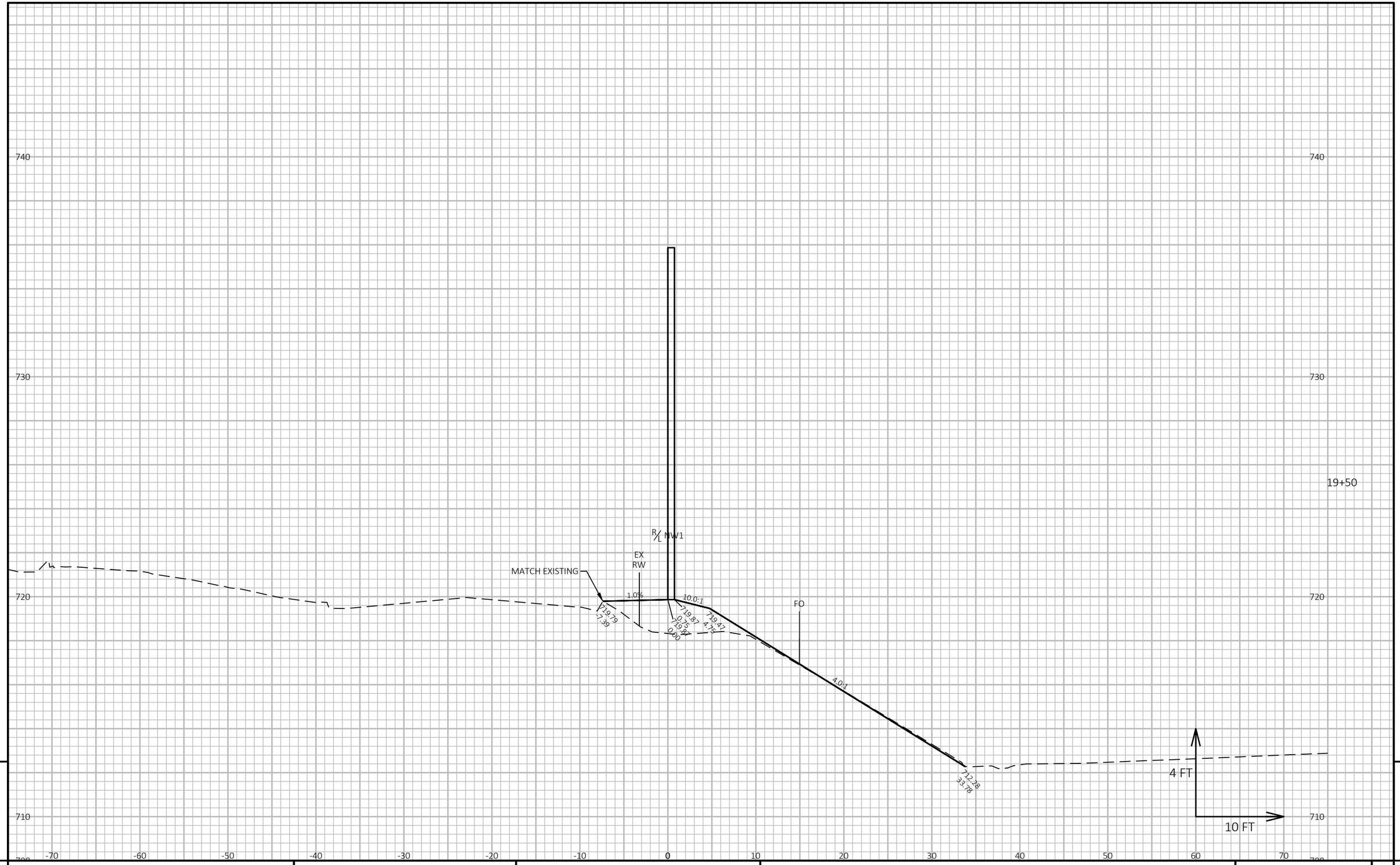
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET E

PRE_311

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 19

PLOT DATE : 10/6/2021 2:18 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

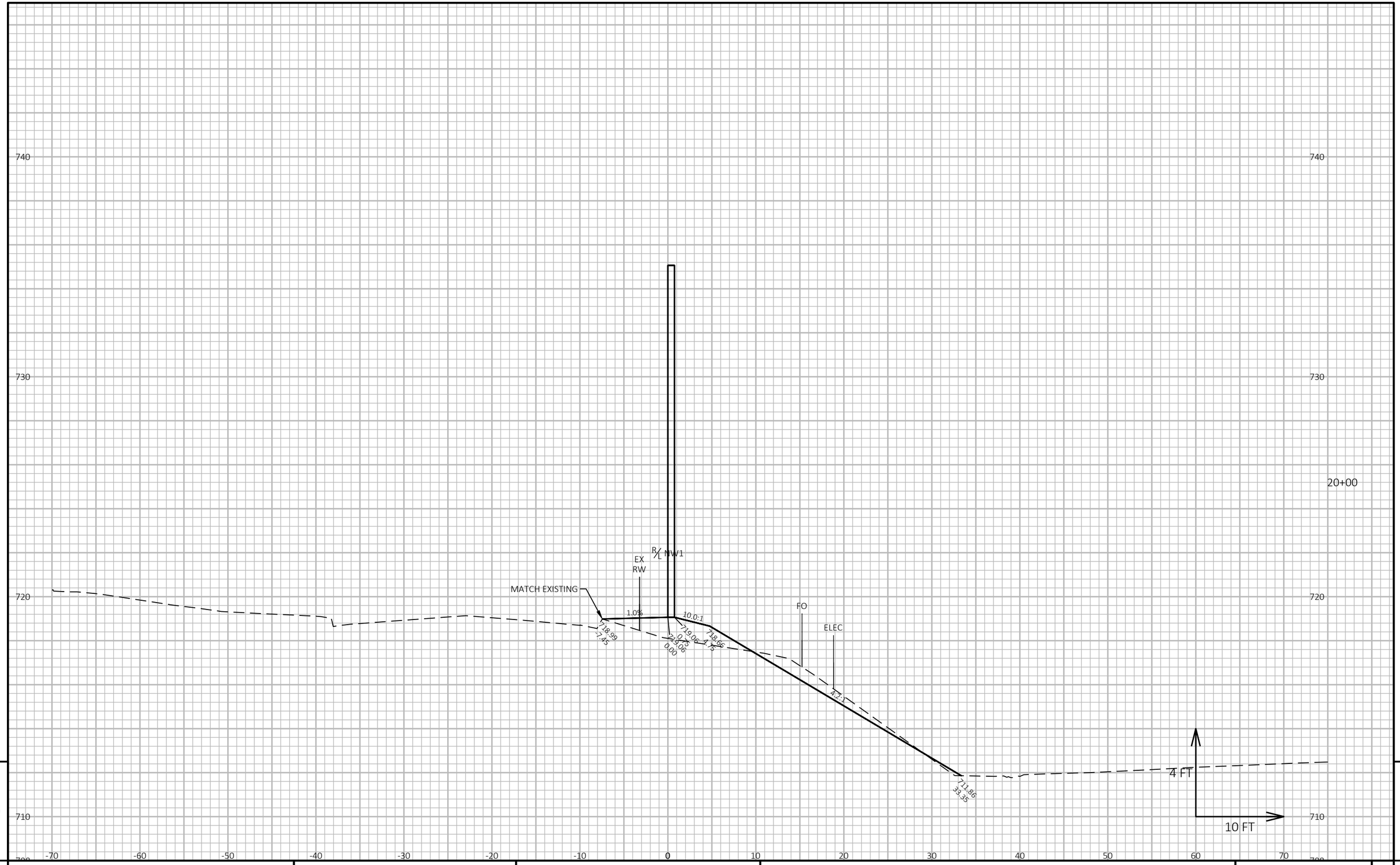
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET E

PRE_312

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 20

PLOT DATE : 10/6/2021 2:18 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

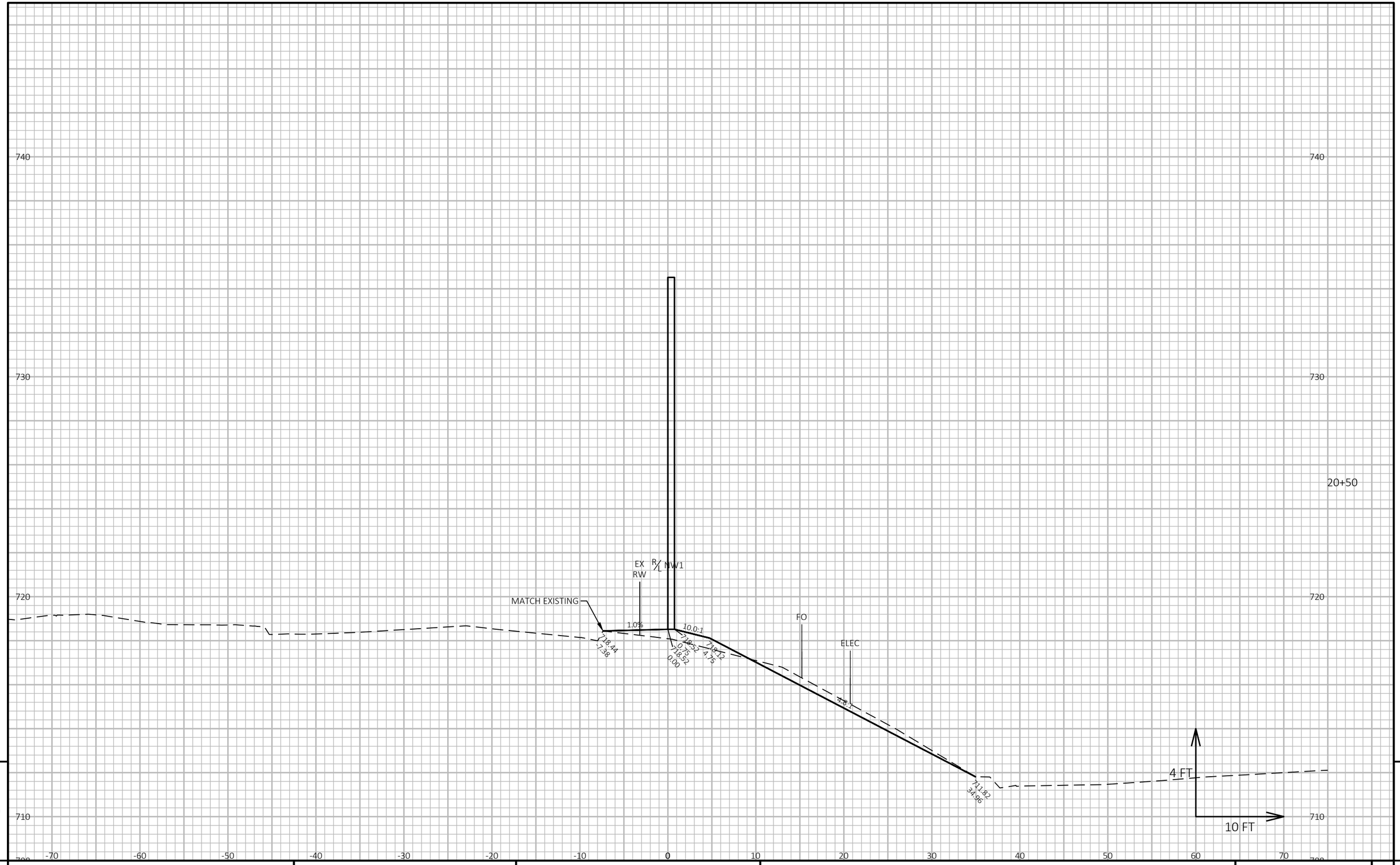
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET E

PRE_313

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 21

PLOT DATE : 10/6/2021 2:18 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

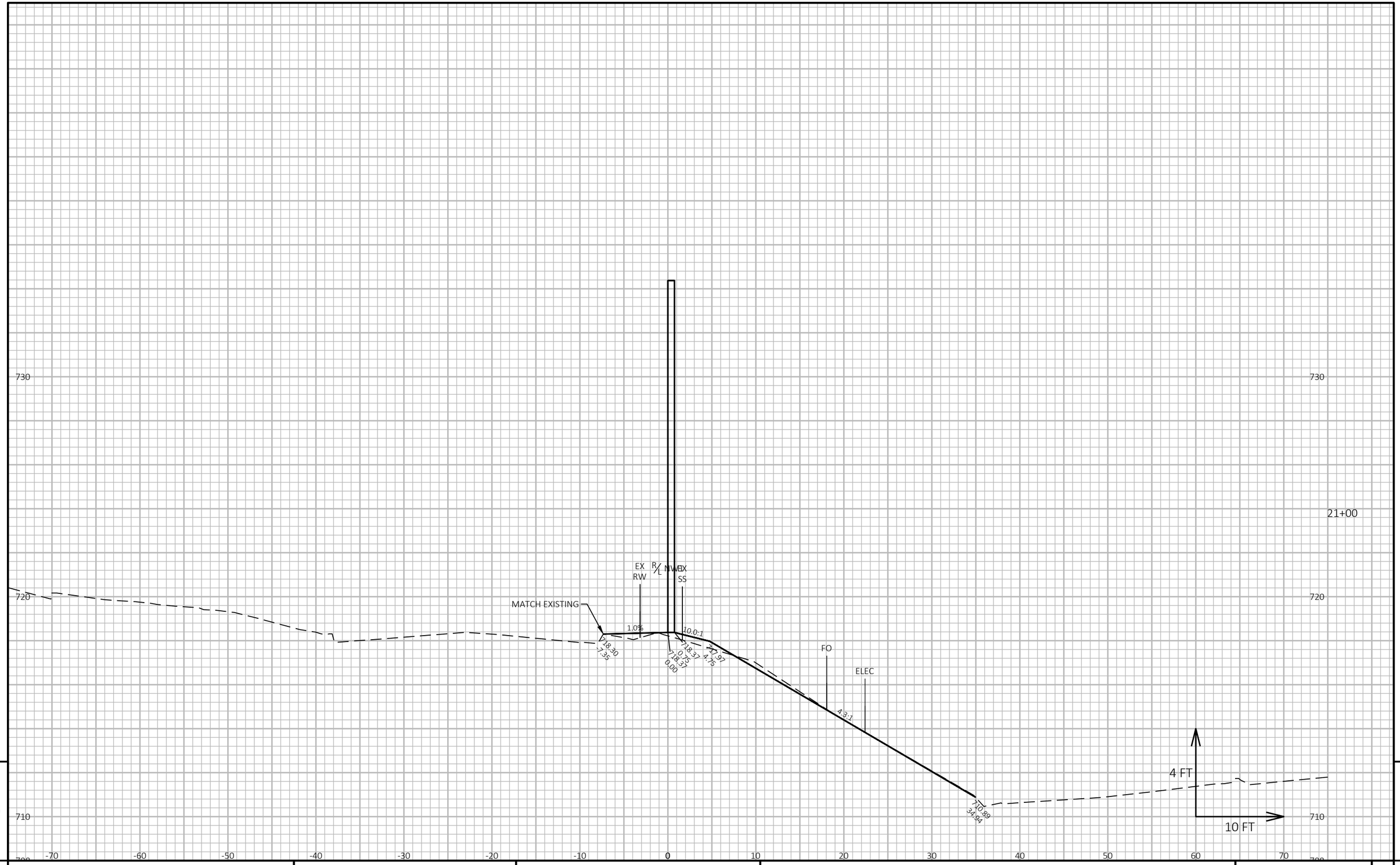
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET E

PRE_314

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 22

PLOT DATE : 10/6/2021 2:18 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

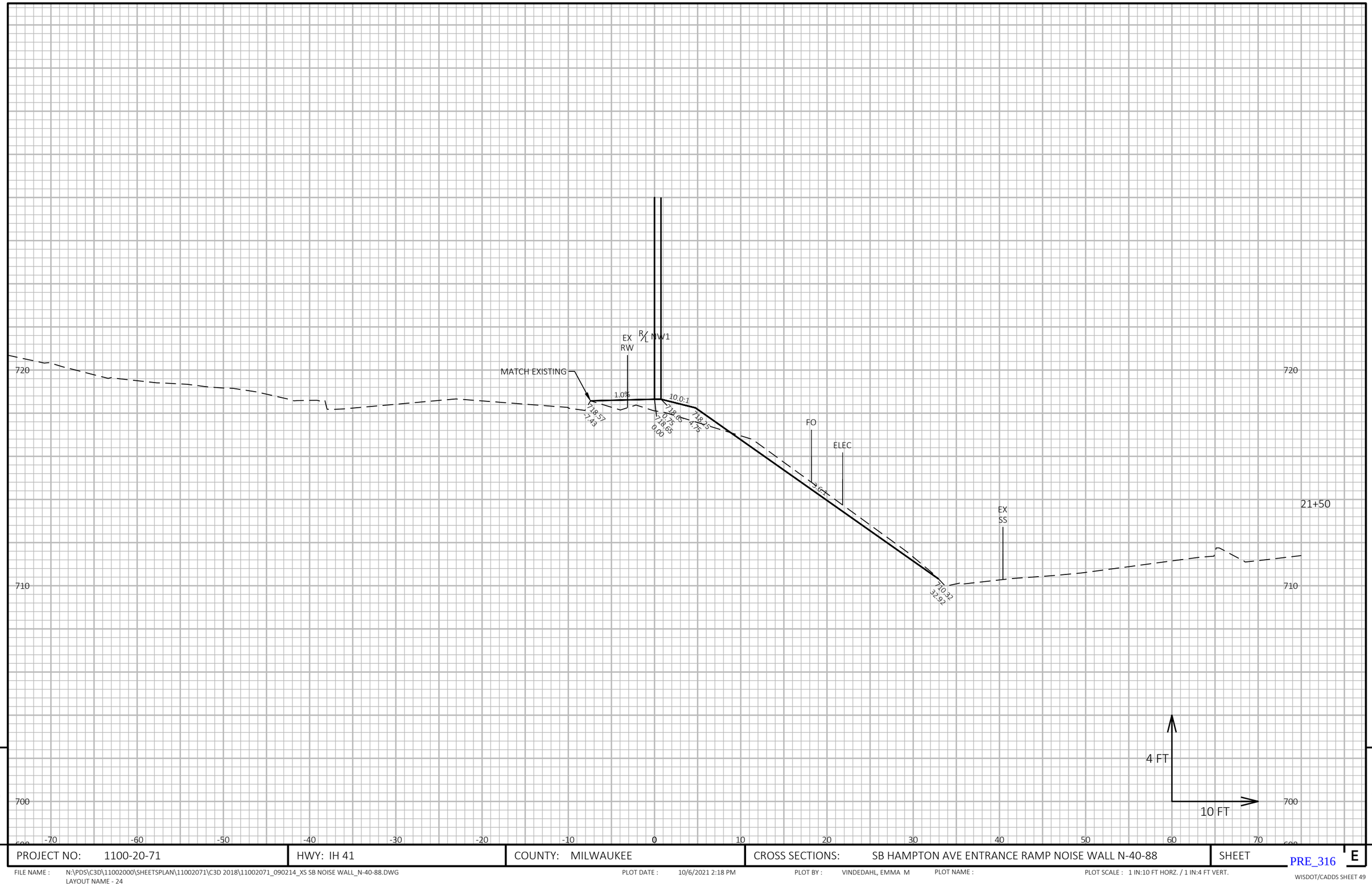
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET E

PRE_315

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 23

PLOT DATE : 10/6/2021 2:18 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

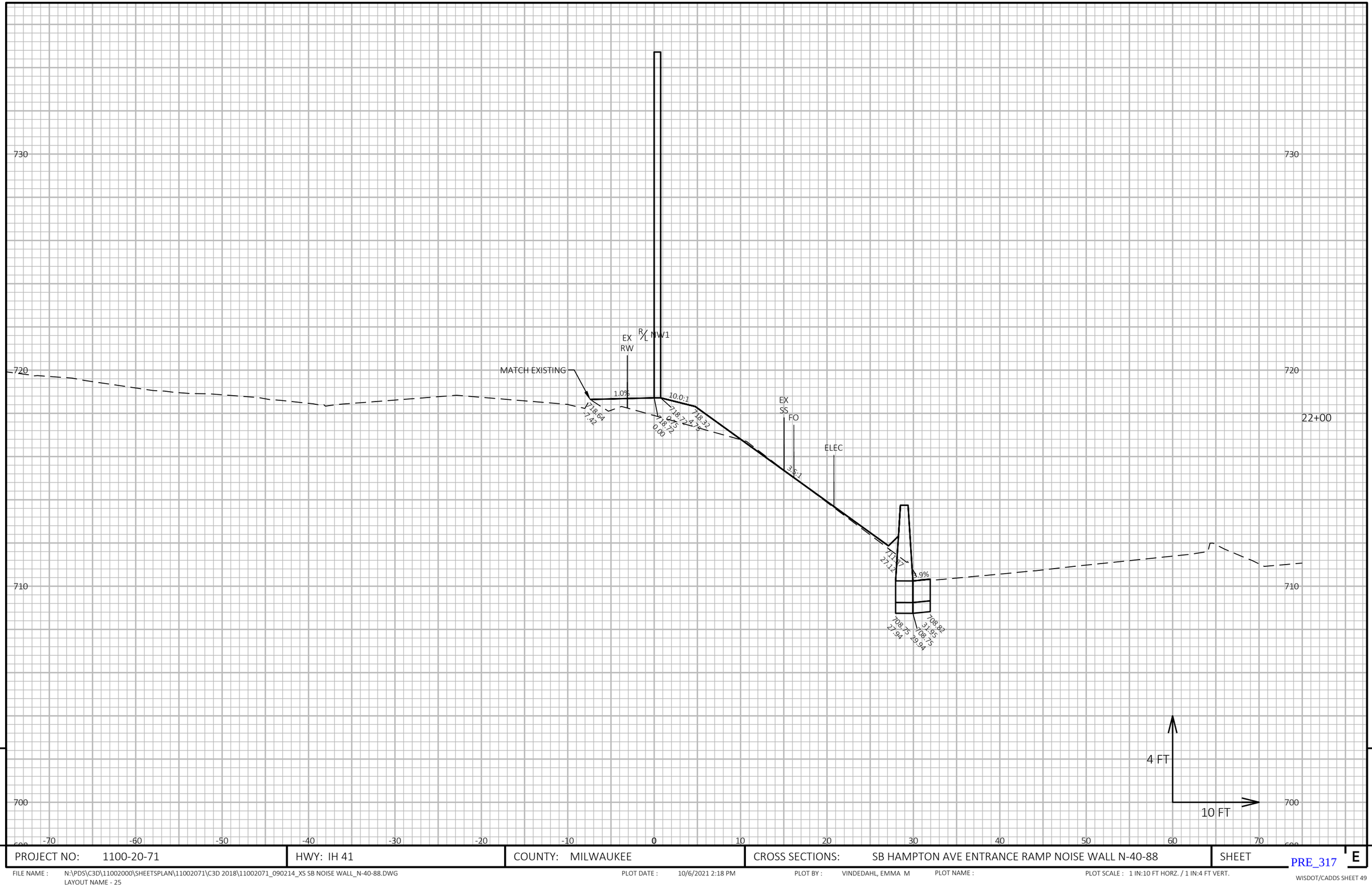
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET E

PRE_316

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 24

PLOT DATE : 10/6/2021 2:18 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET E

PRE_317

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 25

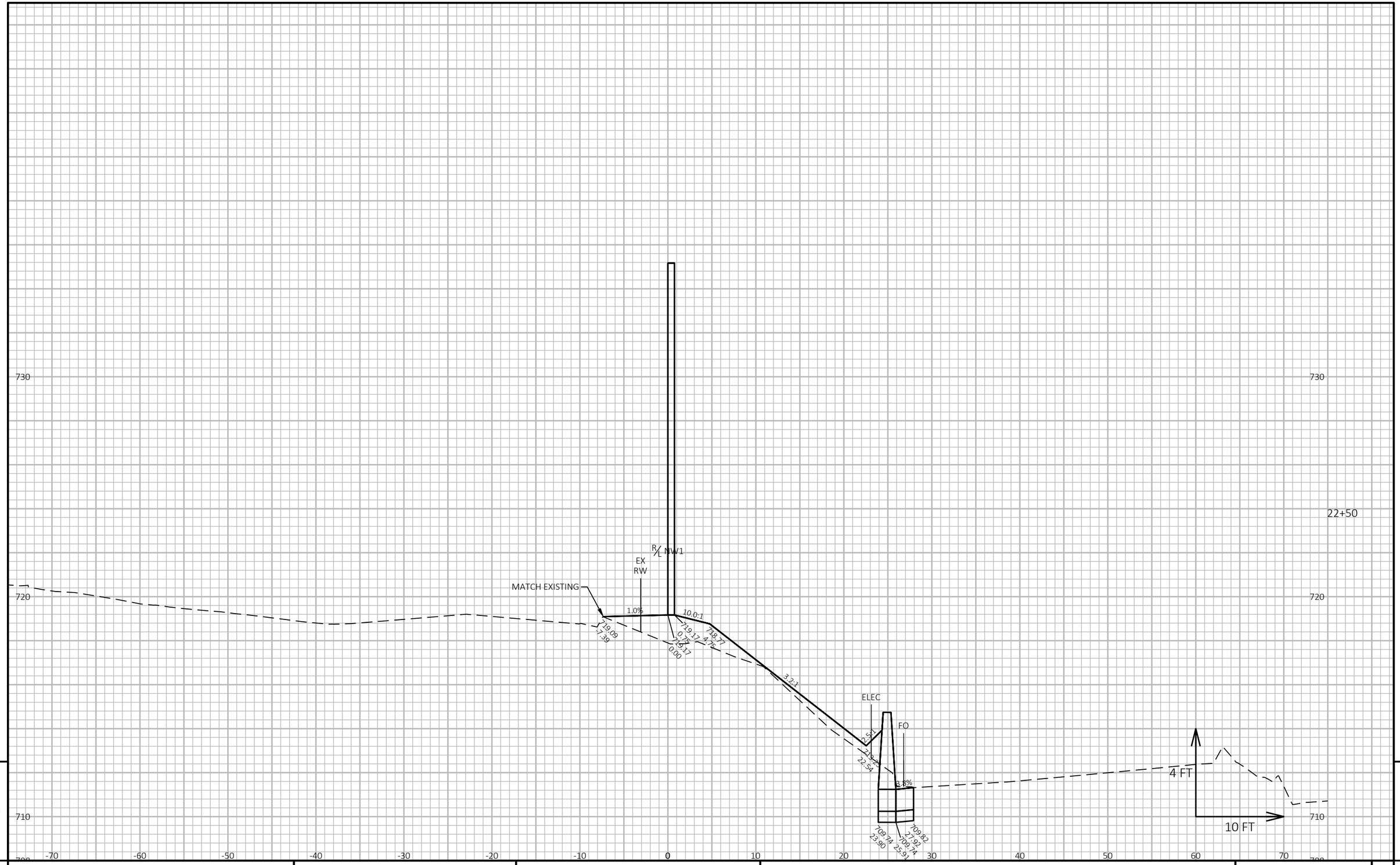
PLOT DATE : 10/6/2021 2:18 PM

PLOT BY : VINDEDAHL, EMMA M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



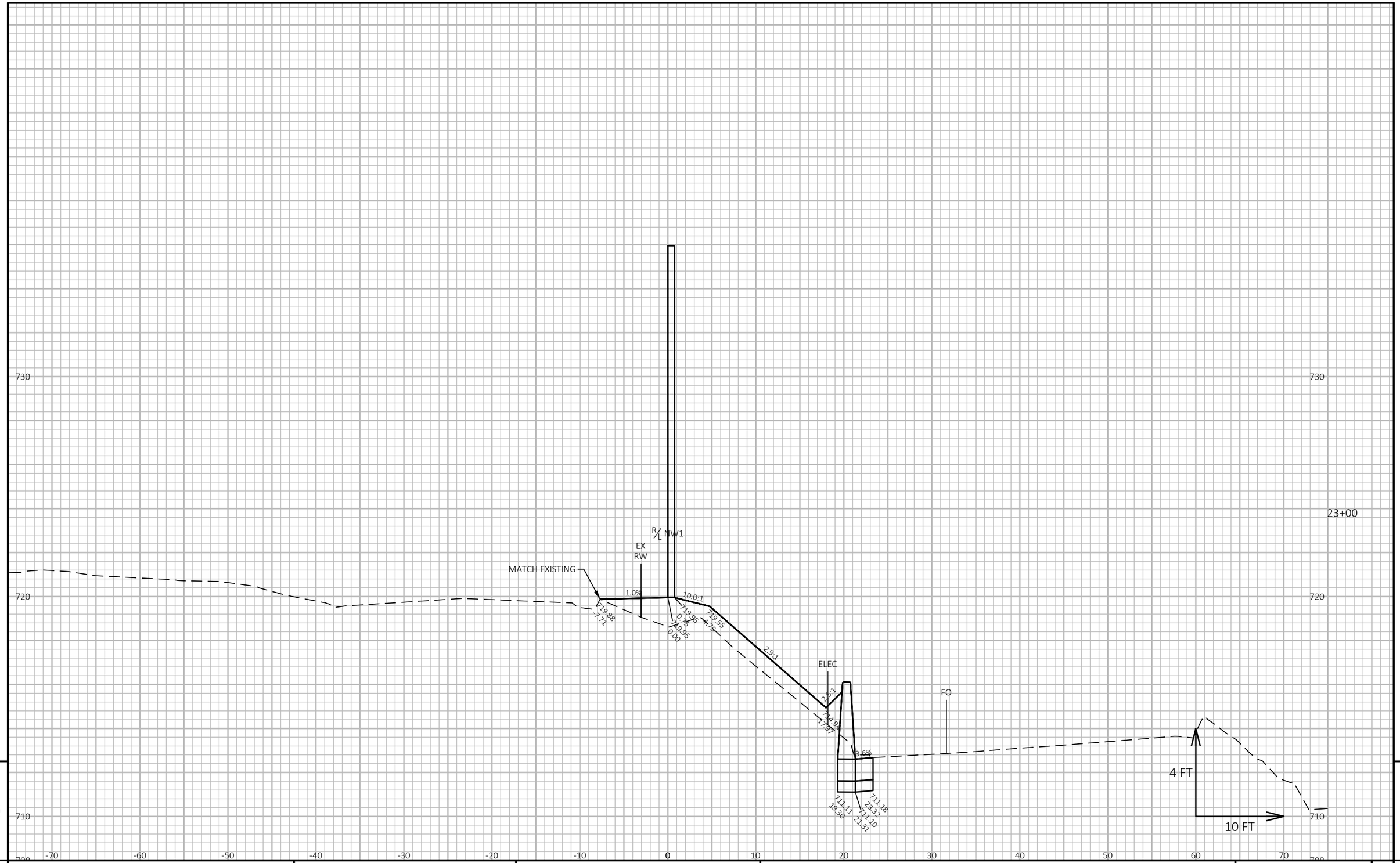
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET E

PRE_318

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 26

PLOT DATE : 10/6/2021 2:18 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET E

PRE_319

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 27

PLOT DATE : 10/6/2021 2:18 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



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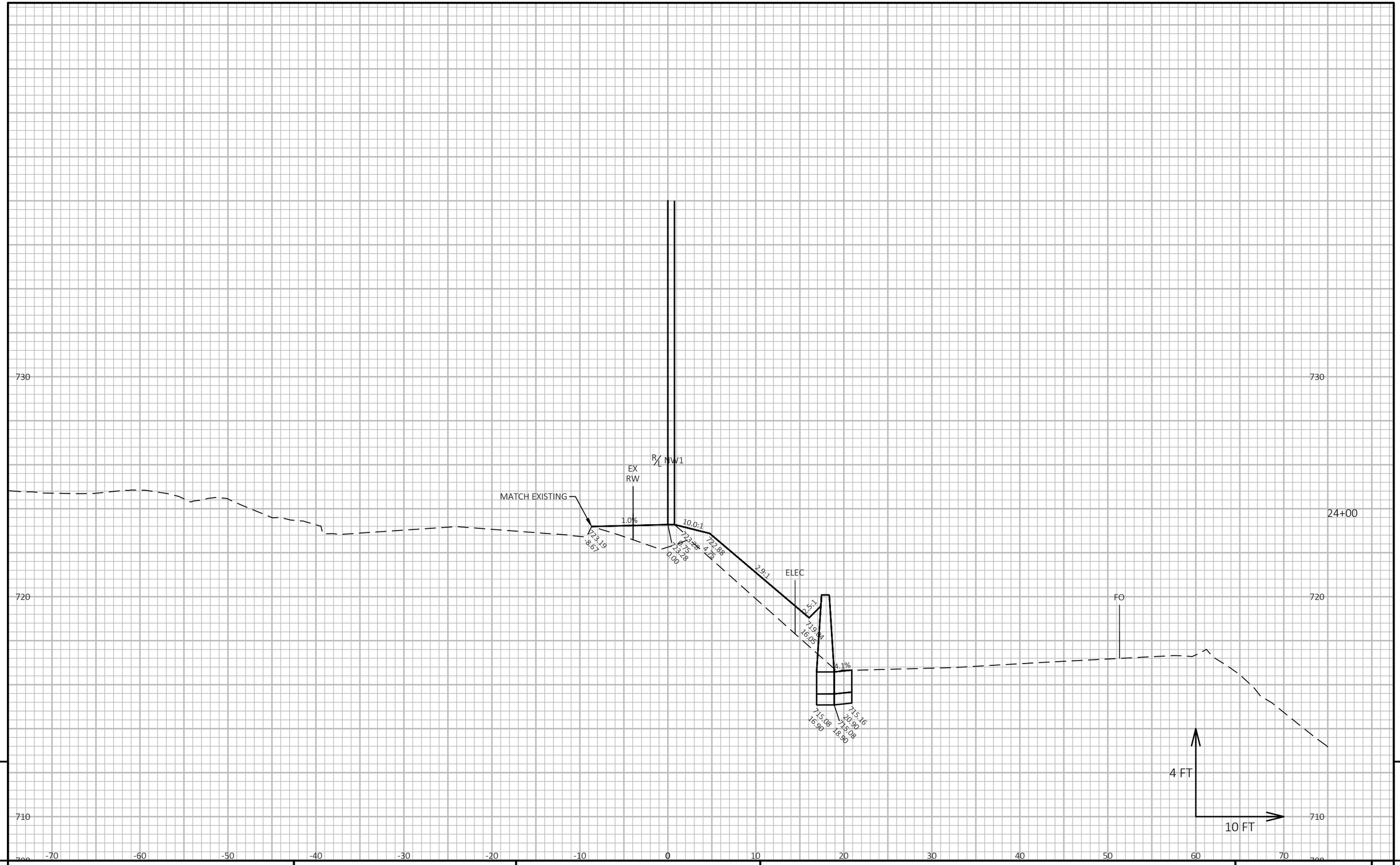
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET E

PRE_320

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 28

PLOT DATE : 10/6/2021 2:18 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



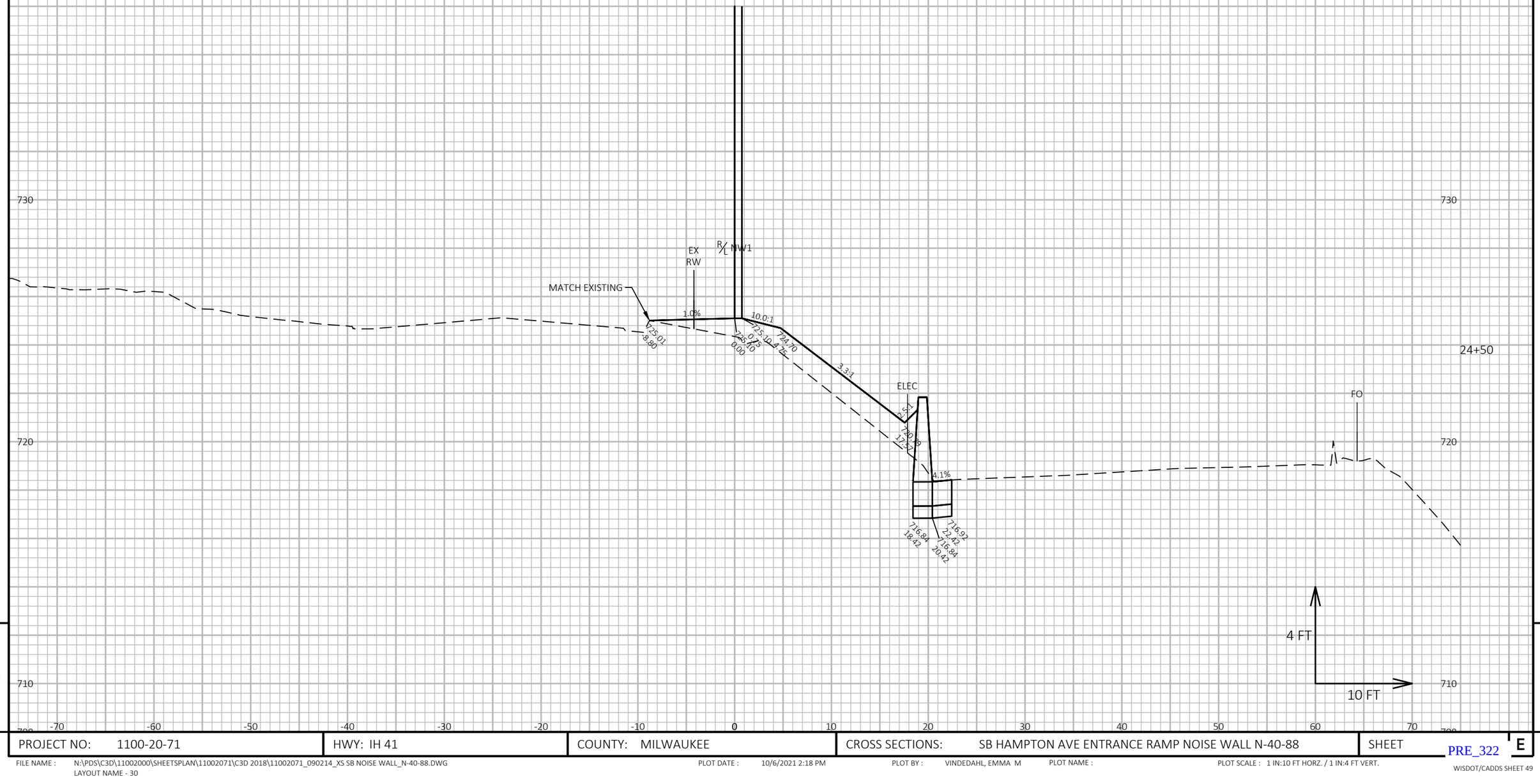
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET E

PRE_321

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 29

PLOT DATE : 10/6/2021 2:18 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



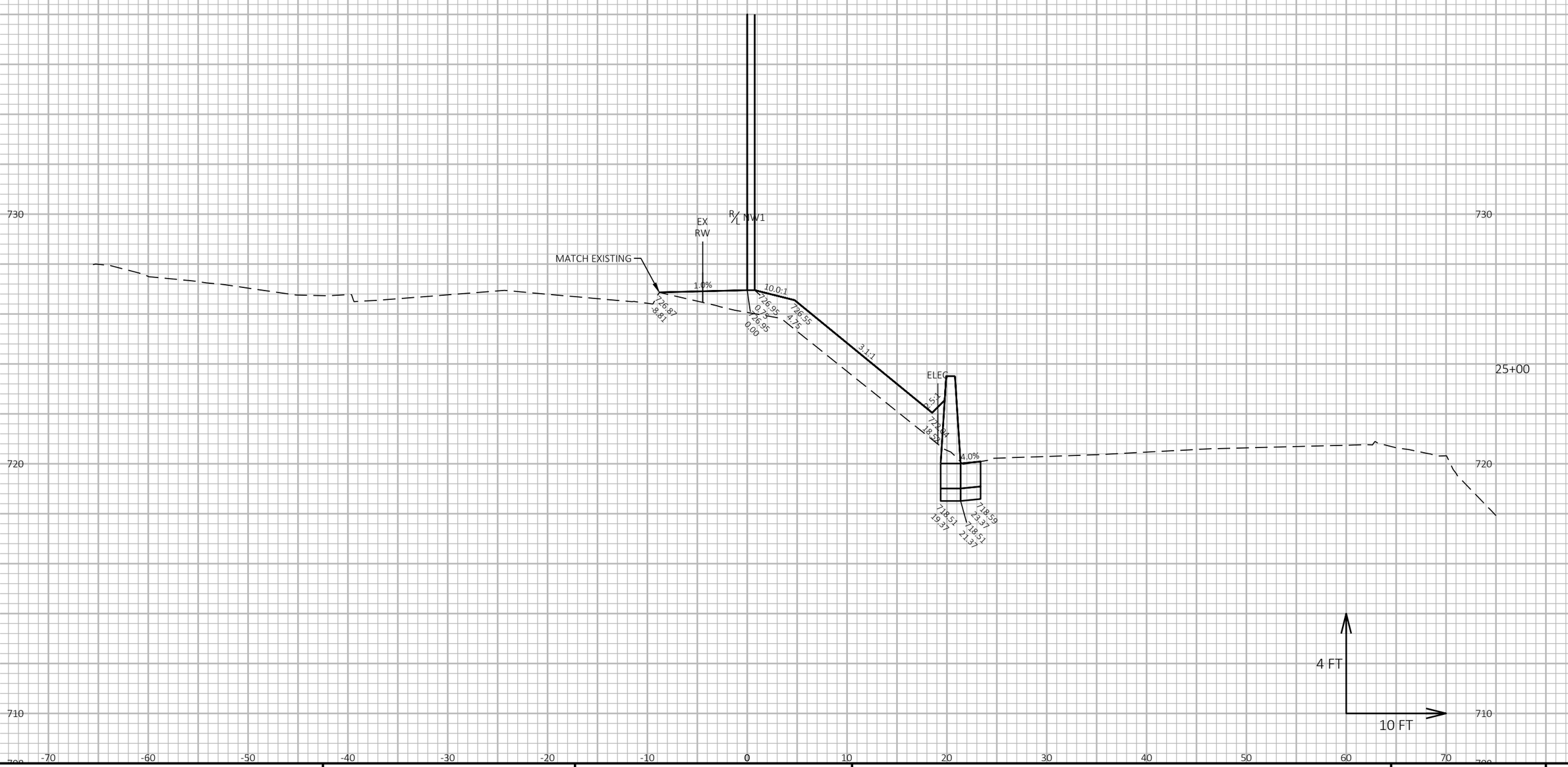
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 30

PLOT DATE : 10/6/2021 2:18 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_322

WISDOT/CADDS SHEET 49



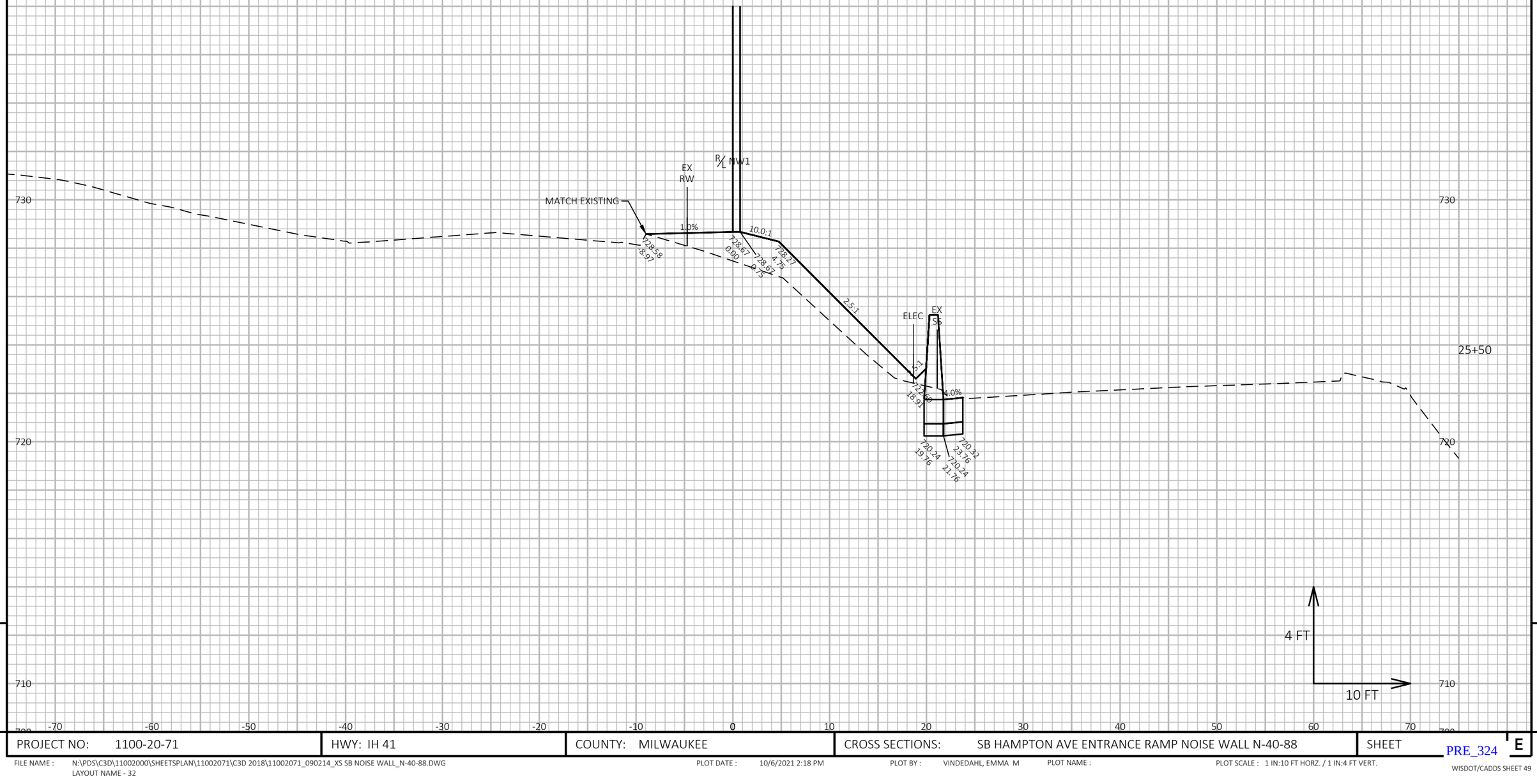
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 31

PLOT DATE : 10/6/2021 2:18 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_323

WISDOT/CADDS SHEET 49



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PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET E

PRE_324

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 32

PLOT DATE : 10/6/2021 2:18 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET E

PRE_325

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 33

PLOT DATE : 10/6/2021 2:18 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET E

PRE_326

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 34

PLOT DATE : 10/6/2021 2:18 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



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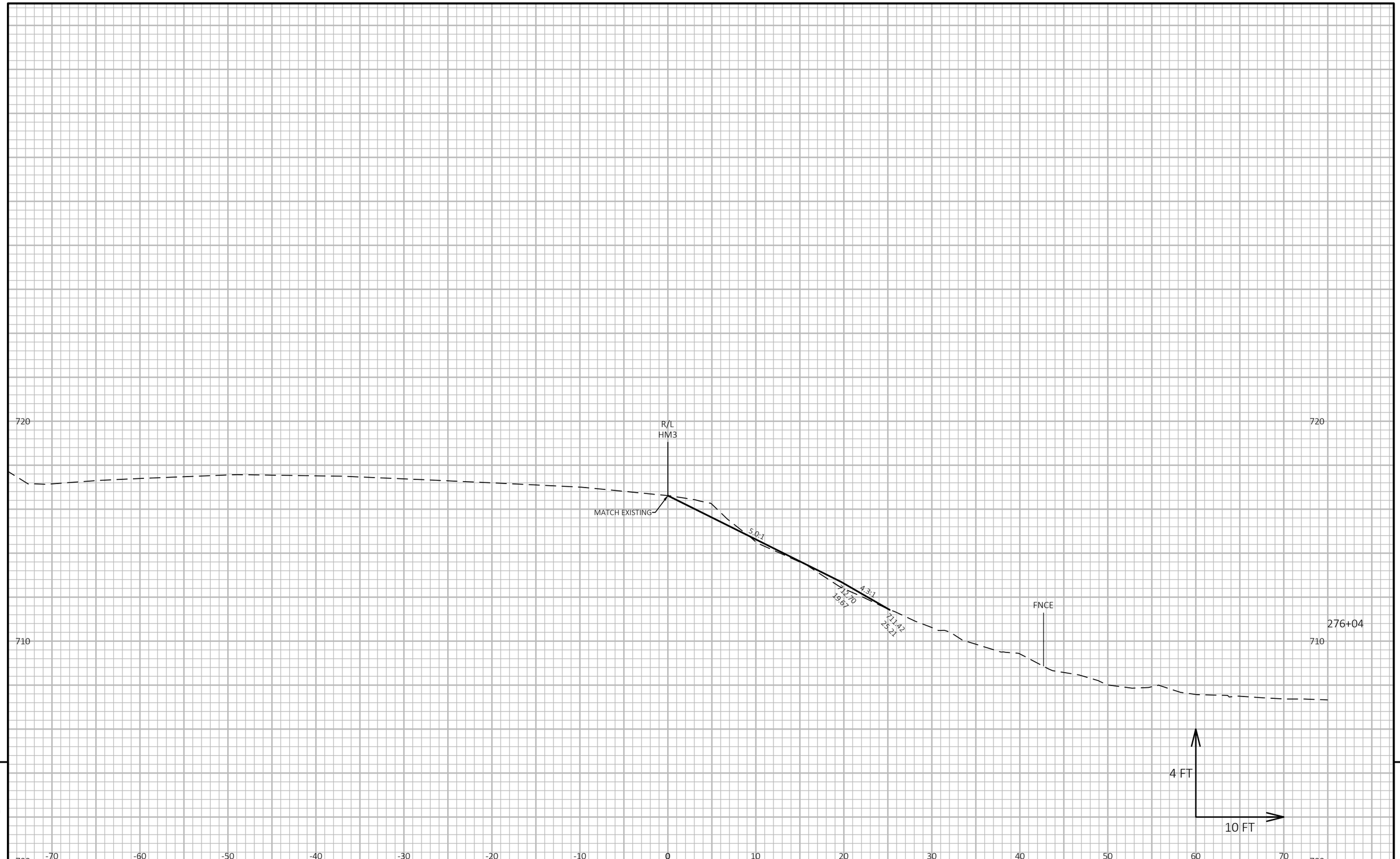
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB HAMPTON AVE ENTRANCE RAMP NOISE WALL N-40-88	SHEET E

PRE_327

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090214_XS SB NOISE WALL_N-40-88.DWG
LAYOUT NAME - 35

PLOT DATE : 10/6/2021 2:18 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT NEAR HAMPTON AVE EXIT RAMP, R/L HM3	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090204_XS BG NEAR HAMPTON RAMP - HM3.DWG
LAYOUT NAME - 090201_XS

PLOT DATE : 10/19/2021 2:19 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_328

WISDOT/CADDS SHEET 49



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PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT NEAR HAMPTON AVE EXIT RAMP, R/L HM3	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090204_XS BG NEAR HAMPTON RAMP - HM3.DWG
LAYOUT NAME - 090202_XS

PLOT DATE : 10/19/2021 2:19 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_329

WISDOT/CADDS SHEET 49



9

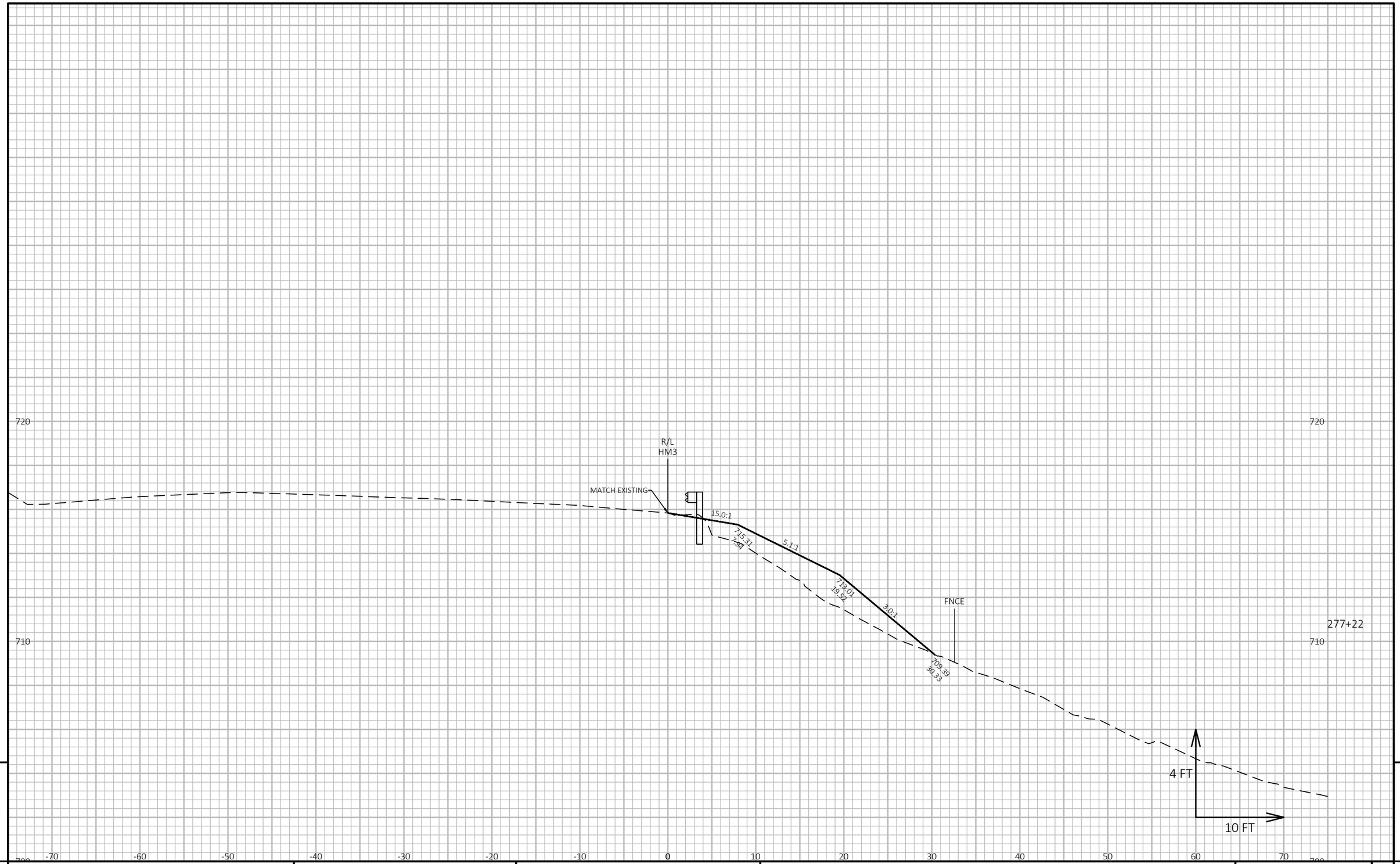
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PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT NEAR HAMPTON AVE EXIT RAMP, R/L HM3	SHEET PRE_330 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090204_XS BG NEAR HAMPTON RAMP - HM3.DWG
LAYOUT NAME - 090203_XS

PLOT DATE : 10/19/2021 2:20 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

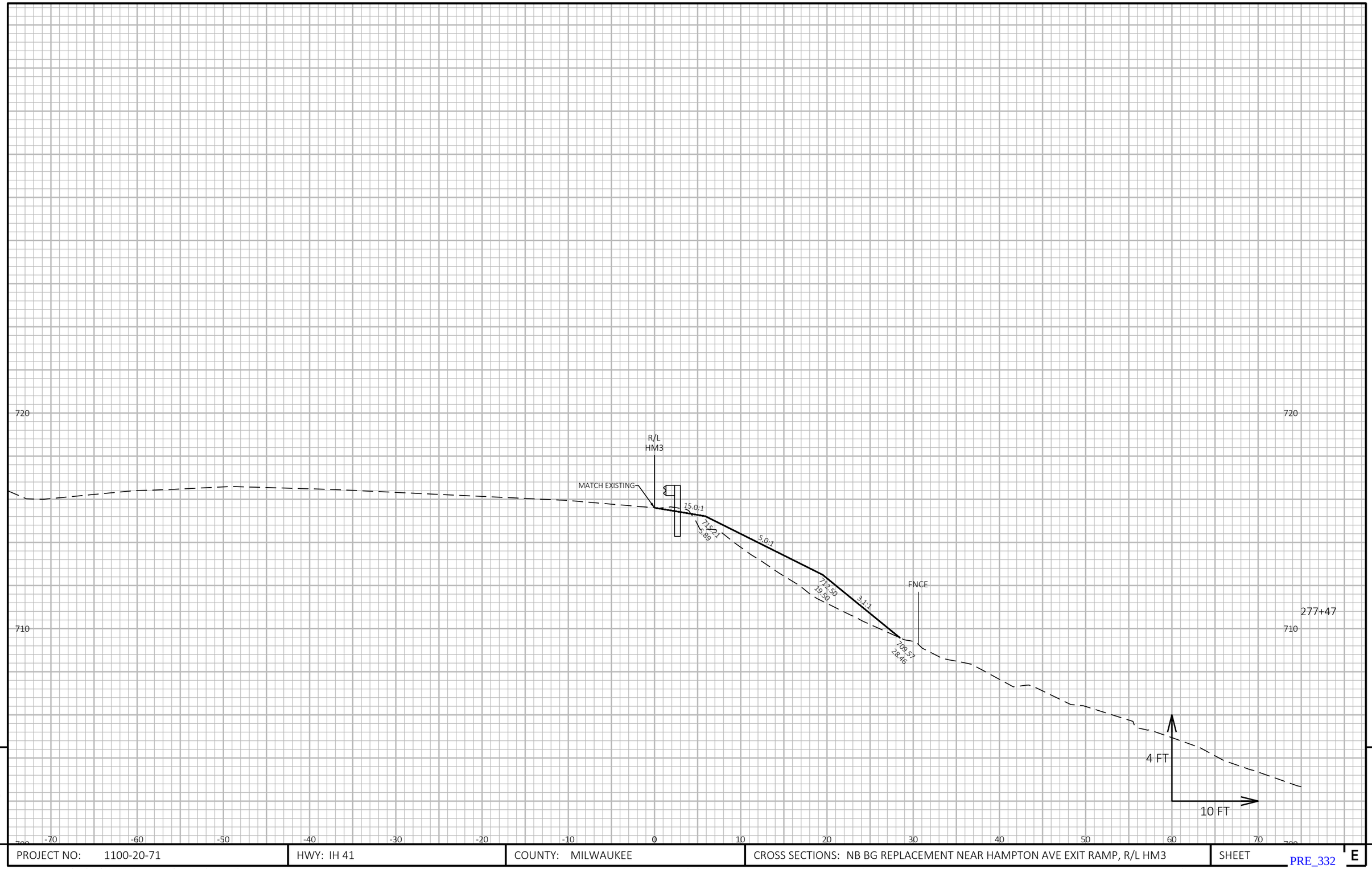
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PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT NEAR HAMPTON AVE EXIT RAMP, R/L HM3	SHEET PRE_331 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090204_XS BG NEAR HAMPTON RAMP - HM3.DWG
LAYOUT NAME - 090204_XS

PLOT DATE : 10/19/2021 2:21 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

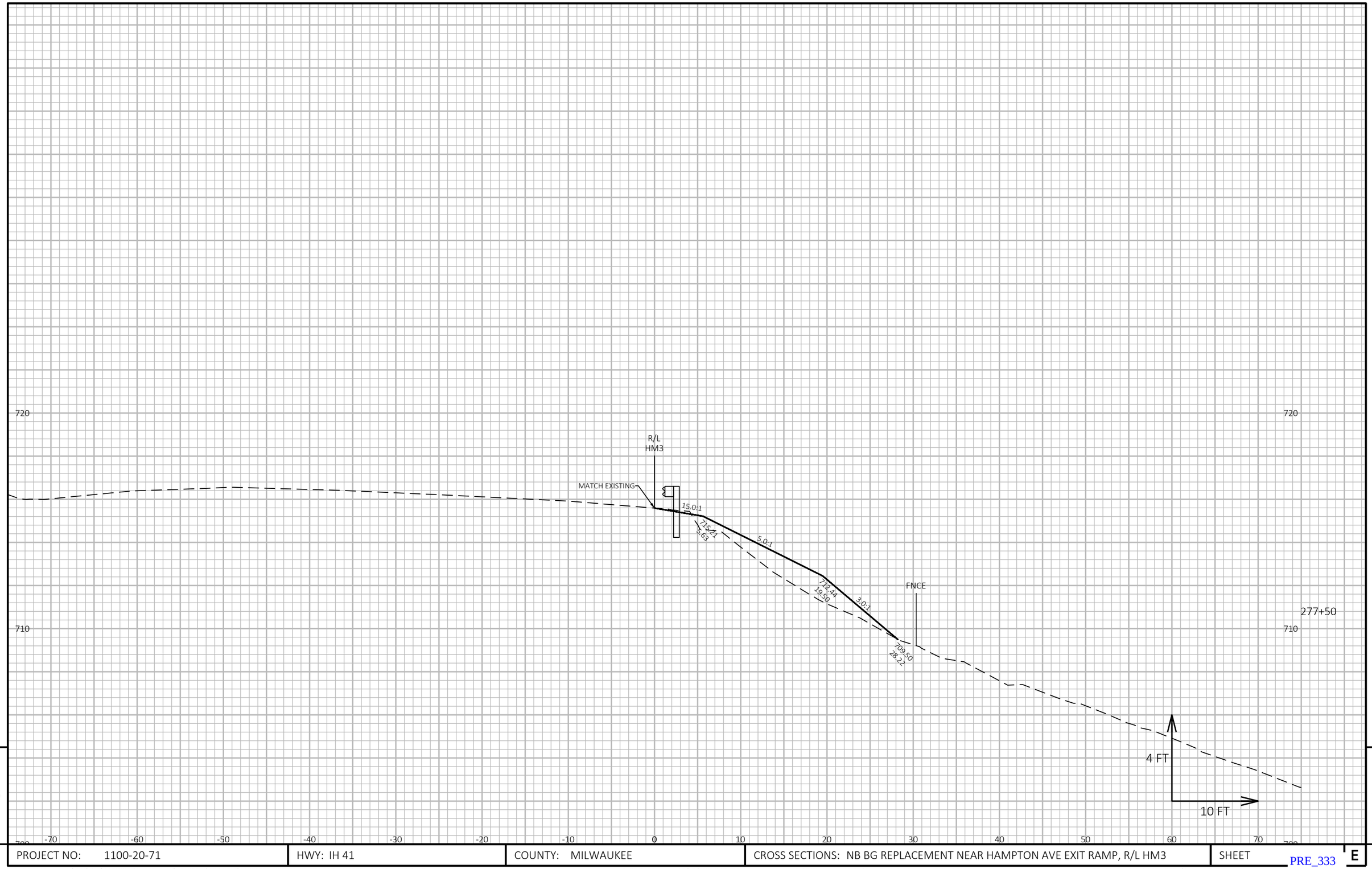
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT NEAR HAMPTON AVE EXIT RAMP, R/L HM3	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090204_XS BG NEAR HAMPTON RAMP - HM3.DWG
LAYOUT NAME - 090205_XS

PLOT DATE : 10/19/2021 2:21 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_332

WISDOT/CADDS SHEET 49



9

9

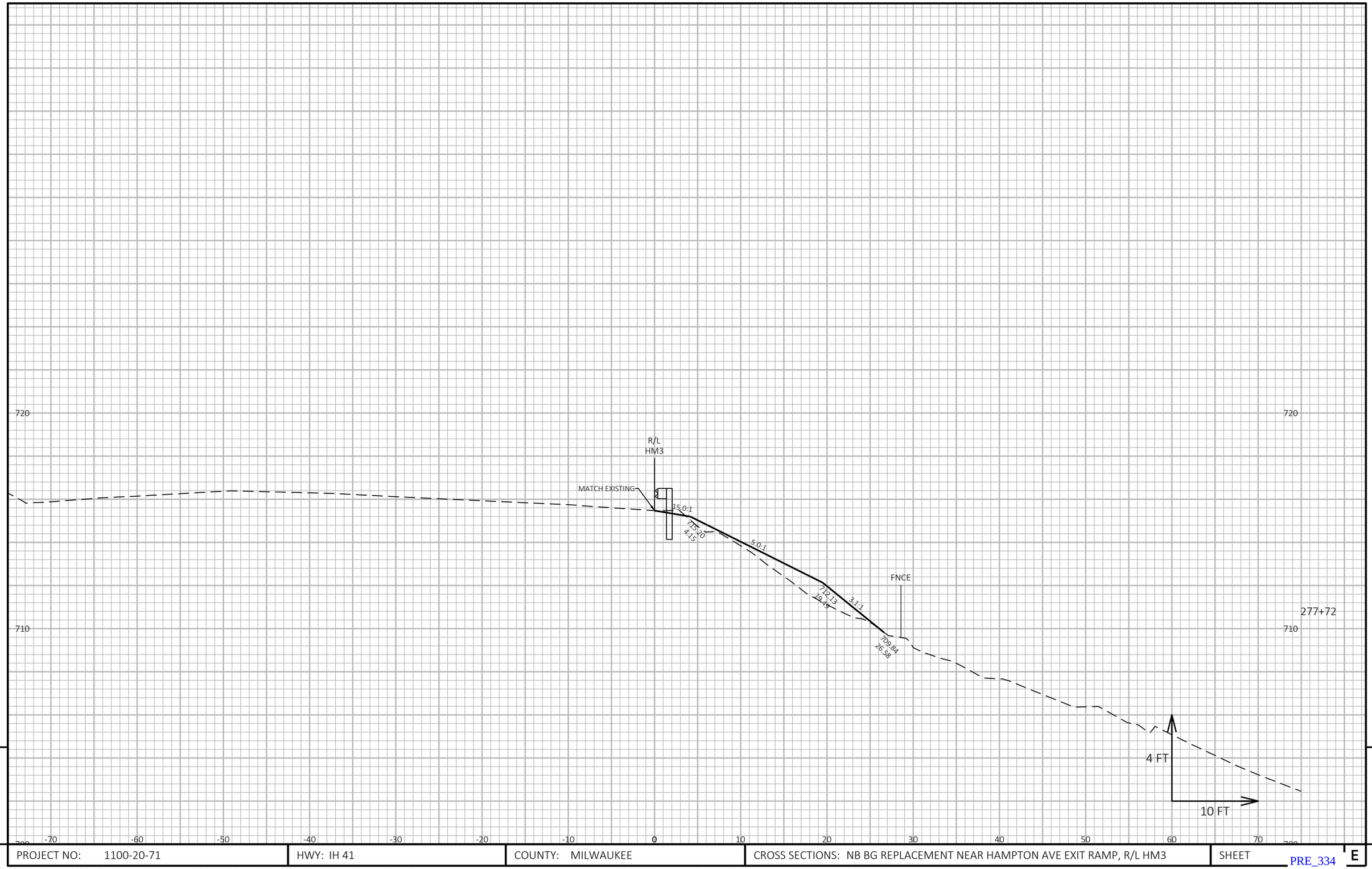
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT NEAR HAMPTON AVE EXIT RAMP, R/L HM3	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090204_XS BG NEAR HAMPTON RAMP - HM3.DWG
LAYOUT NAME - 090206_XS

PLOT DATE : 10/19/2021 2:22 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_333

WISDOT/CADDS SHEET 49



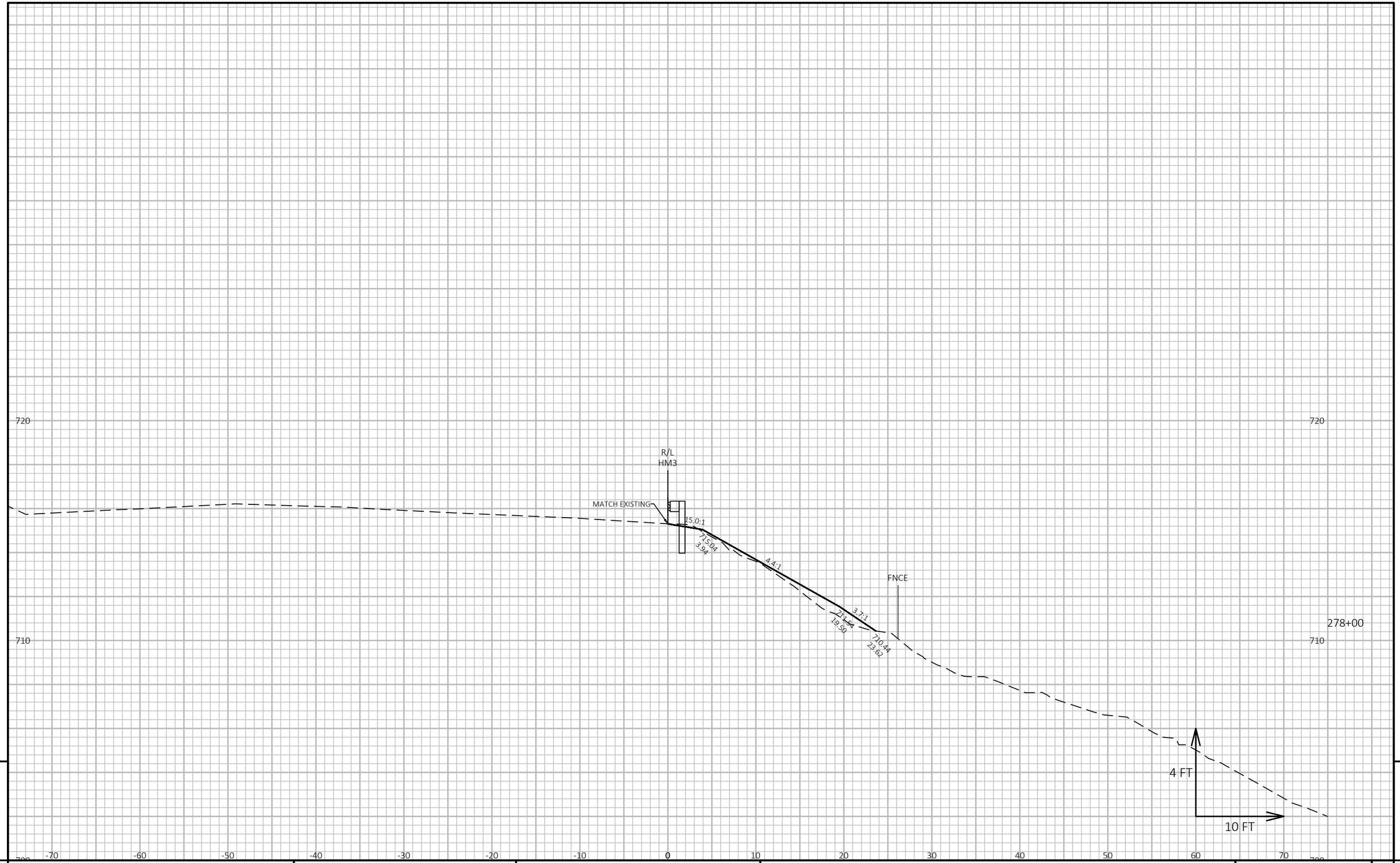
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT NEAR HAMPTON AVE EXIT RAMP, R/L HM3	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090204_XS BG NEAR HAMPTON RAMP - HM3.DWG
LAYOUT NAME - 090207_XS

PLOT DATE : 10/19/2021 2:22 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_334

WISDOT/CADDS SHEET 49



9

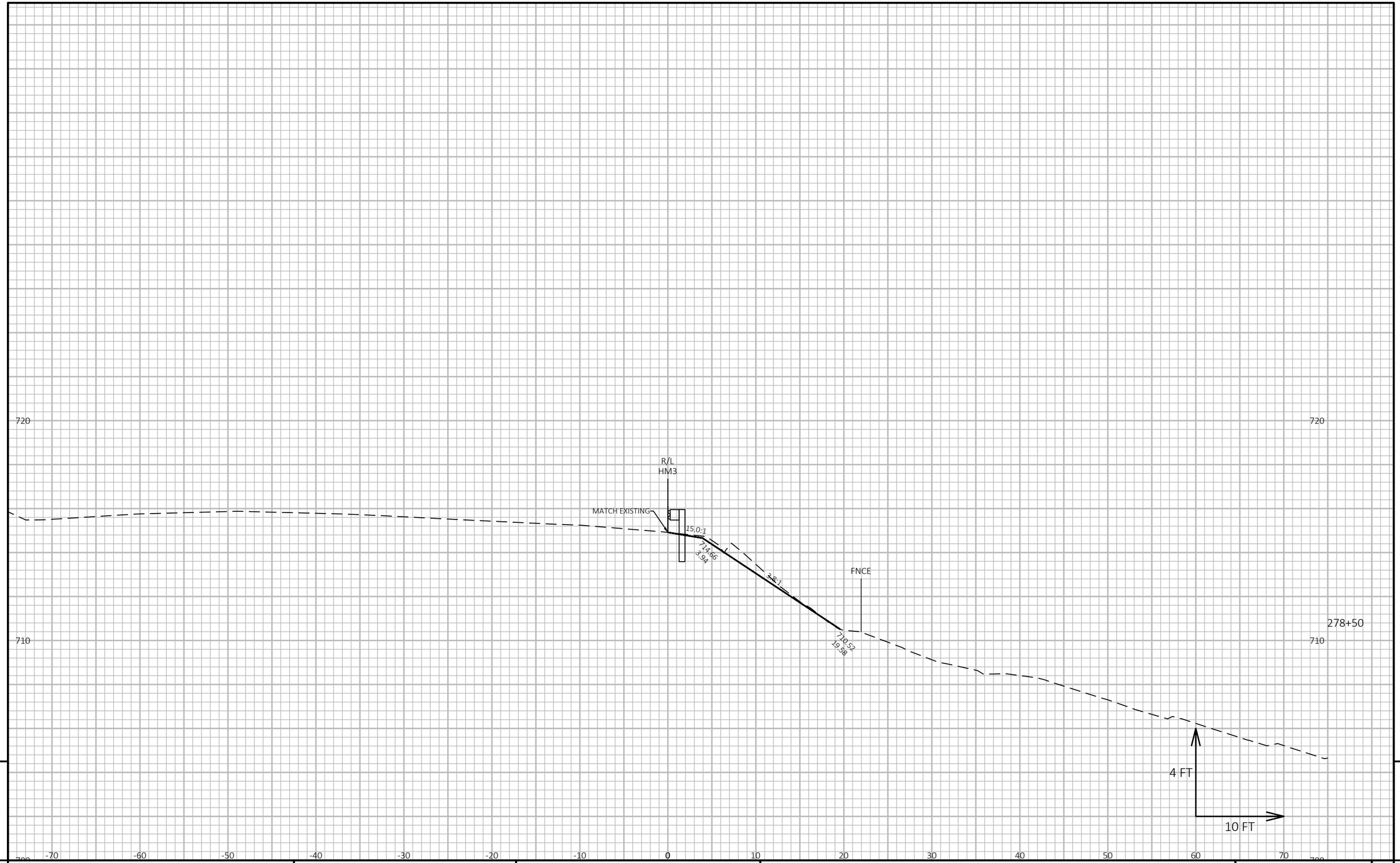
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PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT NEAR HAMPTON AVE EXIT RAMP, R/L HM3	SHEET PRE_335 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090204_XS BG NEAR HAMPTON RAMP - HM3.DWG
LAYOUT NAME - 090208_XS

PLOT DATE : 10/19/2021 2:23 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



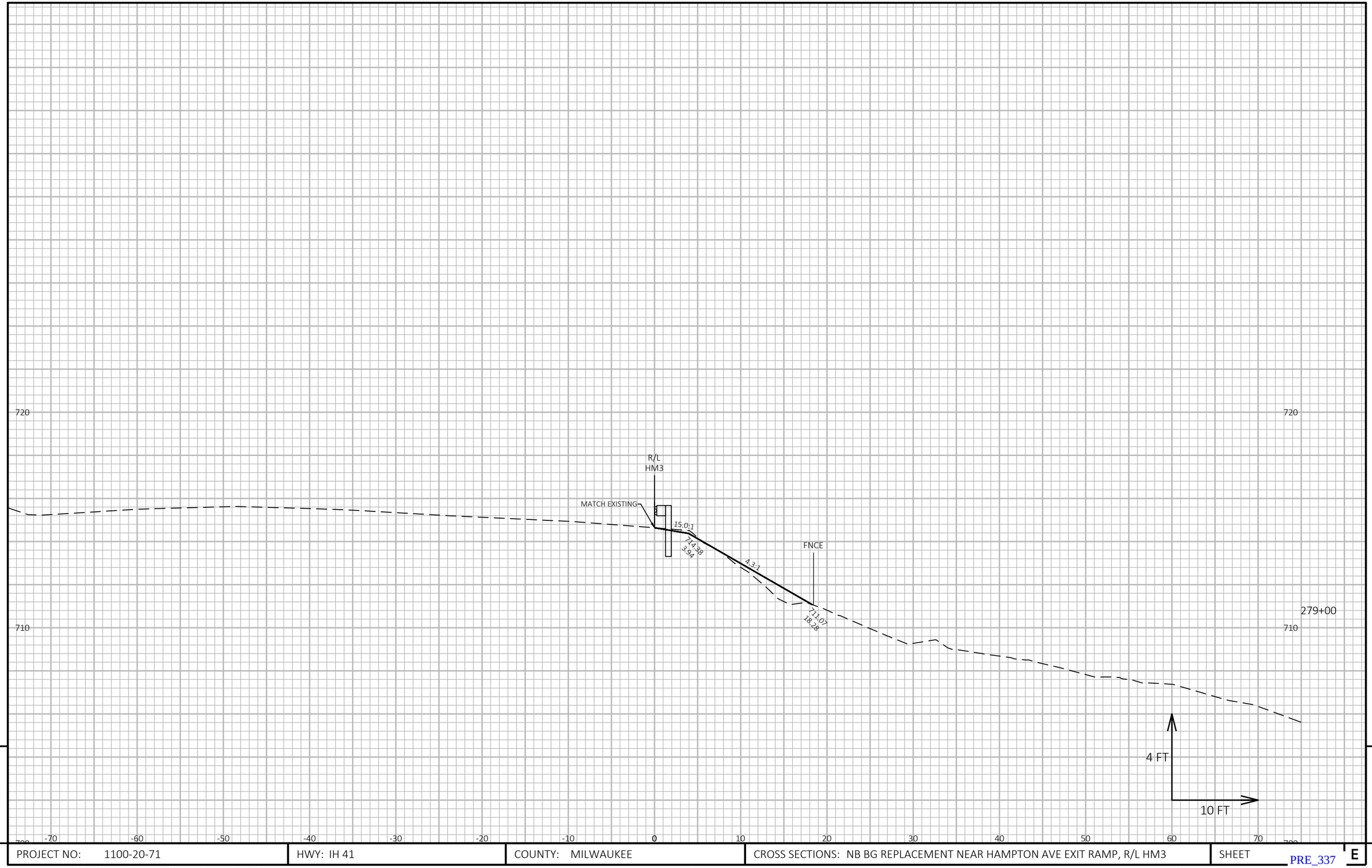
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9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT NEAR HAMPTON AVE EXIT RAMP, R/L HM3	SHEET PRE_336 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090204_XS BG NEAR HAMPTON RAMP - HM3.DWG
LAYOUT NAME - 090209_XS

PLOT DATE : 10/19/2021 2:24 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.



9

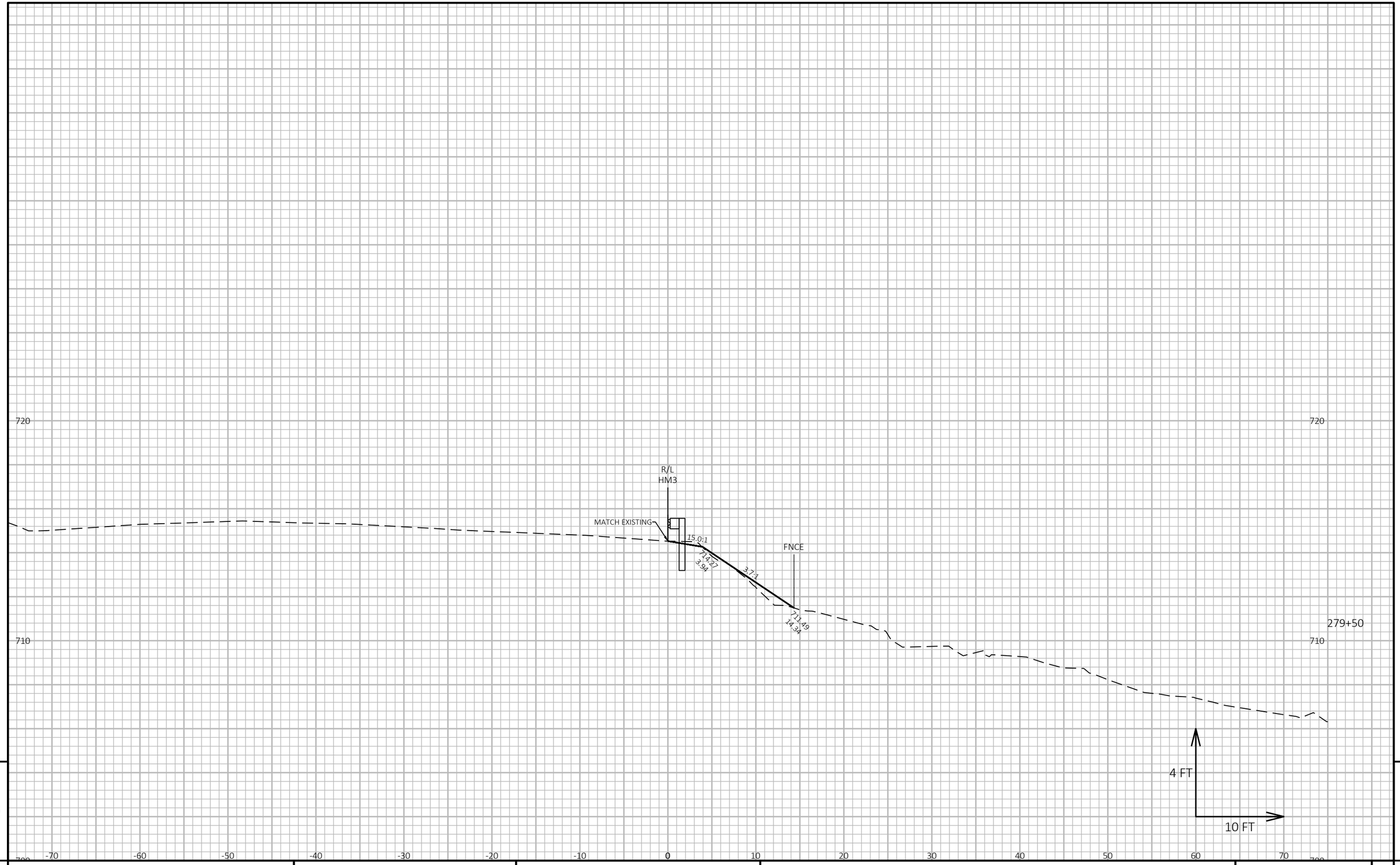
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PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT NEAR HAMPTON AVE EXIT RAMP, R/L HM3	SHEET PRE_337 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090204_XS BG NEAR HAMPTON RAMP - HM3.DWG
LAYOUT NAME - 0902010_XS

PLOT DATE : 10/19/2021 2:24 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

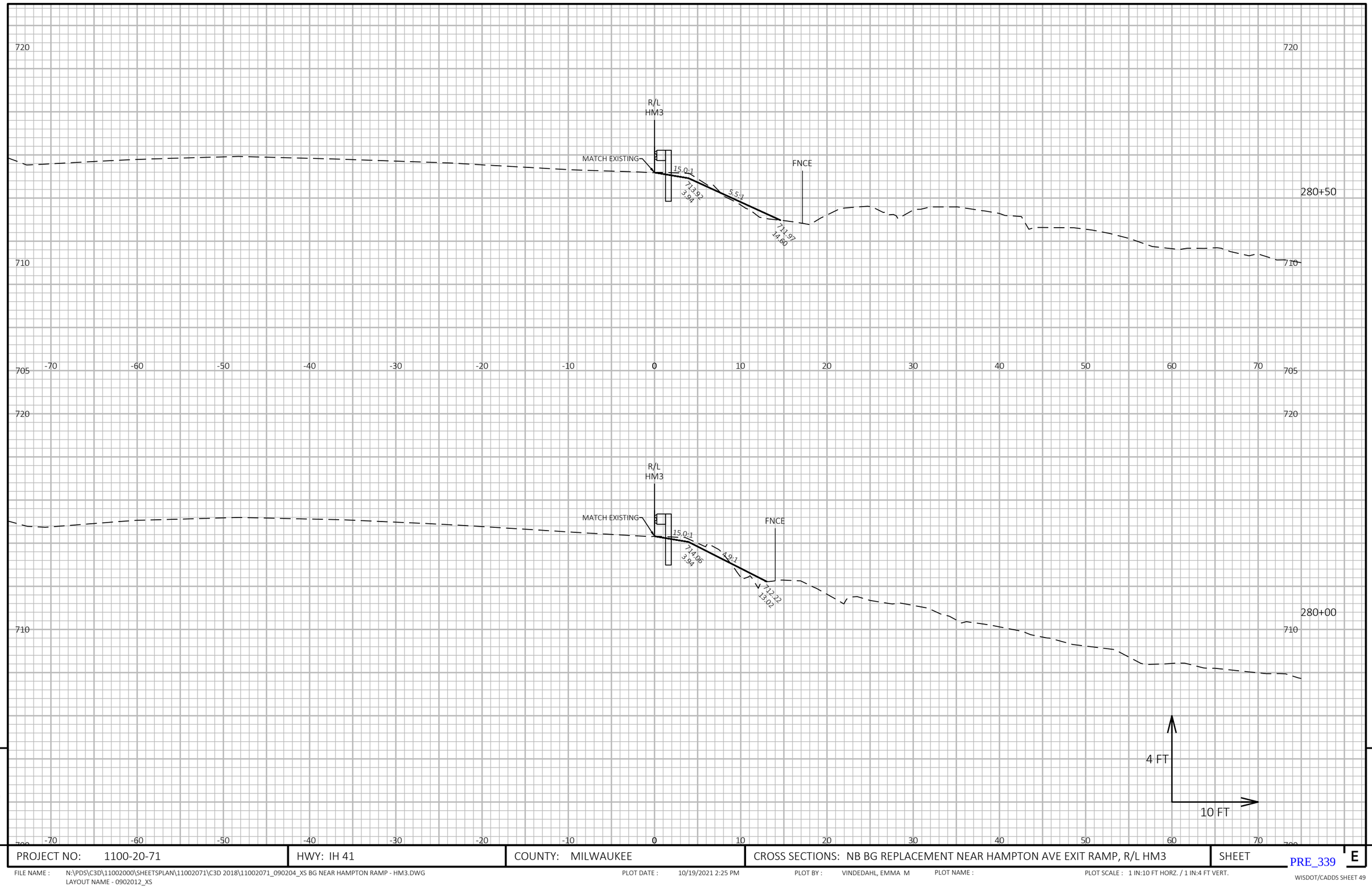
9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWUAKEE	CROSS SECTIONS: NB BG REPLACEMENT NEAR HAMPTON AVE EXIT RAMP, R/L HM3	SHEET PRE_338 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090204_XS BG NEAR HAMPTON RAMP - HM3.DWG
LAYOUT NAME - 0902011_XS

PLOT DATE : 10/19/2021 2:25 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

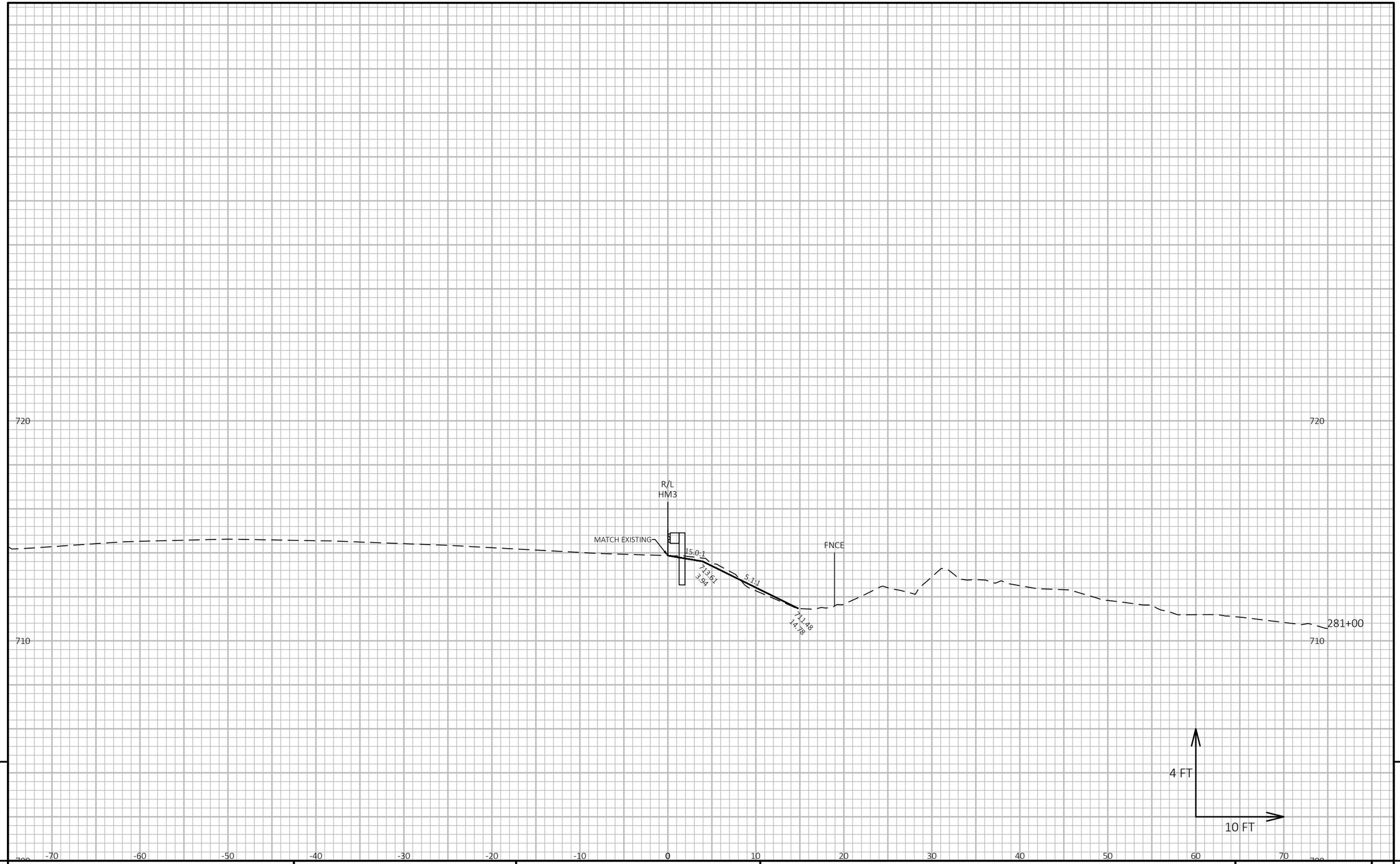


PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT NEAR HAMPTON AVE EXIT RAMP, R/L HM3	SHEET PRE_339 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090204_XS BG NEAR HAMPTON RAMP - HM3.DWG
LAYOUT NAME - 0902012_XS

PLOT DATE : 10/19/2021 2:25 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT NEAR HAMPTON AVE EXIT RAMP, R/L HM3	SHEET PRE_340 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090204_XS BG NEAR HAMPTON RAMP - HM3.DWG
LAYOUT NAME - 0902013_XS

PLOT DATE : 10/19/2021 2:26 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

720

720

C/L
IH 41

R/L
NB2

710

4.0%

19.5:1

8.5:1

MATCH EXISTING

709.01
9.06
708.77
6.96
707.40
0.50
707.12
0.00

287+48

710

4 FT

10 FT

9

9

0 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB SHOULDER SLOPE IMPROVEMENT, R/L NB2	SHEET E

PRE_341

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090205_XS_NB UNDER HAMPTON - NB2.DWG
LAYOUT NAME - 090201_XS

PLOT DATE : 9/20/2021 9:54 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

720

720

C/L
IH 41

R/L
NB2

710

4.0%

19.2:1

8.3:1

MATCH EXISTING

709.02
9.19
708.75
7.01

707.09
0.60
707.11
0.00

287+50

710

4 FT

10 FT

9

9

0 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB SHOULDER SLOPE IMPROVEMENT, R/L NB2	SHEET E

PRE_342

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090205_XS_NB UNDER HAMPTON - NB2.DWG
LAYOUT NAME - 090202_XS

PLOT DATE : 9/20/2021 9:55 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

720

720

C/L
IH 41

R/L
NB2

710

710

288+00

4.0%

13.4:1

1.0:1

MATCH EXISTING

709.06
13.42

709.34
8.42

706.83
0.00

706.67
4.04

4 FT

10 FT

9

9

0

-60

-50

-40

-30

-20

-10

0

10

20

30

40

50

60

70

80

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB SHOULDER SLOPE IMPROVEMENT, R/L NB2	SHEET E

PRE_343

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090205_XS_NB UNDER HAMPTON - NB2.DWG
LAYOUT NAME - 090203_XS

PLOT DATE : 9/20/2021 9:56 AM

PLOT BY : VINDEDAHL, EMMA M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

720

720

C/L
IH 41

710

R/L
NB2

WETLAND

WETLAND

4.0%

10.4:1

9.1:1

MATCH EXISTING

707.93
9.83

708.79
17.86

706.46
0.00

706.15
7.48

288+50

710

4 FT

10 FT

9

9

0 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB SHOULDER SLOPE IMPROVEMENT, R/L NB2	SHEET E

PRE_344

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090205_XS_NB UNDER HAMPTON - NB2.DWG
LAYOUT NAME - 090204_XS

PLOT DATE : 9/20/2021 9:57 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

720

720

C/L
IH 41

710

R/L
NB2

WETLAND

WETLAND

4.0%

8.0:1

8.9:1

MATCH EXISTING

707.81
10.25

708.78
18.93

706.33
0.00

706.02
8.51

288+65

710

4 FT

10 FT

9

9

0 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB SHOULDER SLOPE IMPROVEMENT, R/L NB2	SHEET E

PRE_345

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090205_XS_NB UNDER HAMPTON - NB2.DWG
LAYOUT NAME - 090205_XS

PLOT DATE : 9/20/2021 9:57 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

720

720

C/L
IH 41

710

R/L
NB2

WETLAND

WETLAND

288+78

710

4.0%

10.4:1

9.7:1

MATCH EXISTING

707.73
9.71

708.71
19.25

706.25
0.000

706.02
6.75

4 FT

10 FT

9

9

0 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB SHOULDER SLOPE IMPROVEMENT, R/L NB2	SHEET E

PRE_346

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090205_XS_NB UNDER HAMPTON - NB2.DWG
LAYOUT NAME - 090206_XS

PLOT DATE : 9/20/2021 9:58 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

720

720

C/L
IH 41

710

R/L
NB2

WETLAND

WETLAND

4.0%

12.4:1

10.2:1

MATCH EXISTING

707.65
9.50

708.60
18.94

706.19
0.00

706.00
4.99

288+90

710

4 FT

10 FT

9

9

0 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

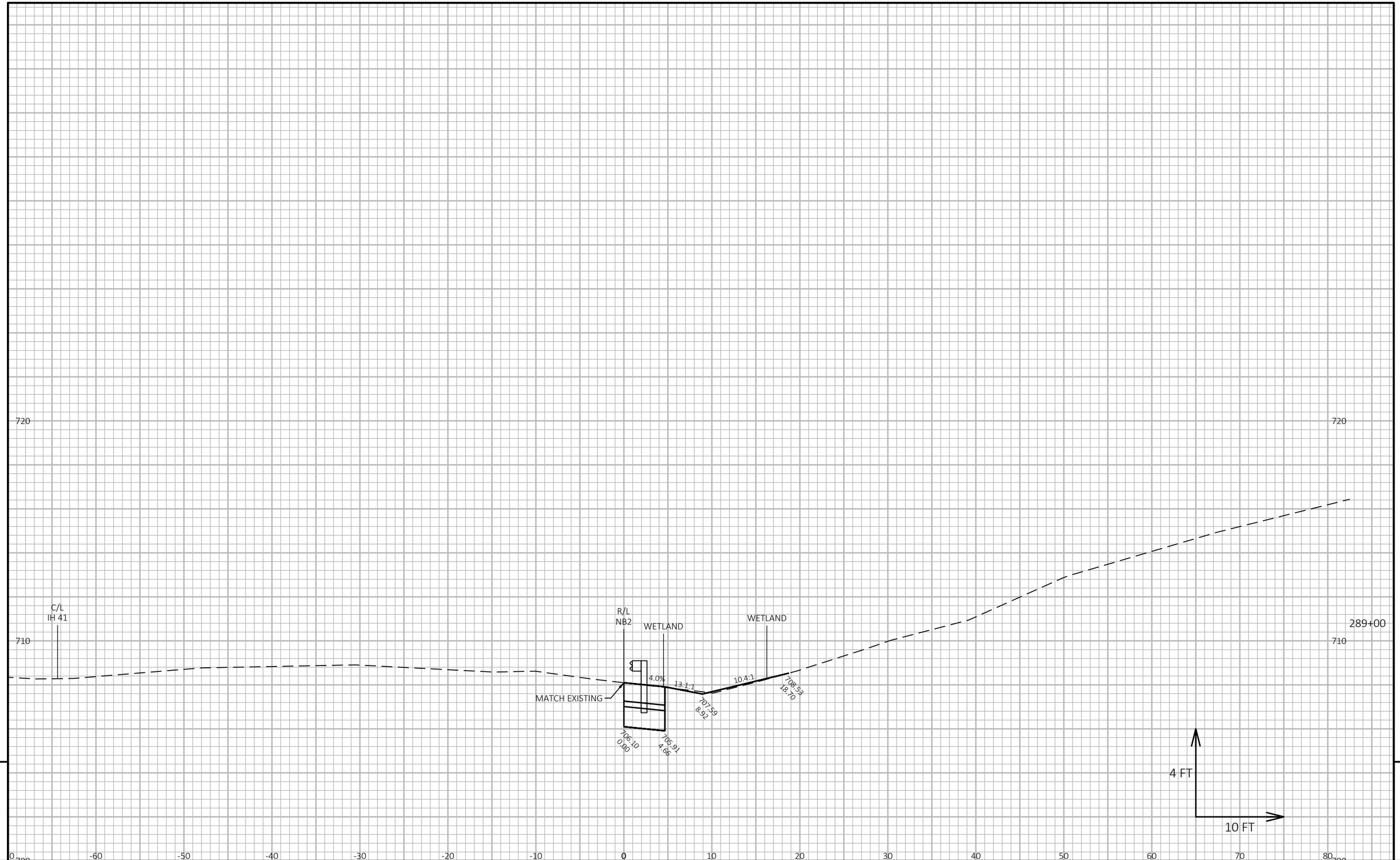
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB SHOULDER SLOPE IMPROVEMENT, R/L NB2	SHEET E

PRE_347

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090205_XS_NB UNDER HAMPTON - NB2.DWG
LAYOUT NAME - 090207_XS

PLOT DATE : 9/20/2021 9:59 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB SHOULDER SLOPE IMPROVEMENT, R/L NB2	SHEET E

PRE_348

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090205_XS_NB UNDER HAMPTON - NB2.DWG
LAYOUT NAME - 090208_XS

PLOT DATE : 9/20/2021 9:59 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

720

720

C/L
IH 41

710

R/L
NB2

WETLAND

WETLAND

289+15

710

4.0%

13.2:1

10.7:1

MATCH EXISTING

707.49
8.35

708.43
18.34

705.97
0.00

705.81
4.16

4 FT

10 FT

9

9

0

-60

-50

-40

-30

-20

-10

0

10

20

30

40

50

60

70

80

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB SHOULDER SLOPE IMPROVEMENT, R/L NB2	SHEET E

PRE_349

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090205_XS_NB UNDER HAMPTON - NB2.DWG
LAYOUT NAME - 090209_XS

PLOT DATE : 9/20/2021 10:00 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

720

720

SS

C/L
IH 41

R/L
NB2

WETLAND

WETLAND

289+50

710

710

4.0%

5.8:1

8.9:1

MATCH EXISTING

708.45
17.49

707.27
7.03

705.95
0.00

705.79
4.00

4 FT

10 FT

9

9

0

-60

-50

-40

-30

-20

-10

0

10

20

30

40

50

60

70

80

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB SHOULDER SLOPE IMPROVEMENT, R/L NB2	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090205_XS_NB UNDER HAMPTON - NB2.DWG
LAYOUT NAME - 090210_XS

PLOT DATE : 9/20/2021 10:01 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_350

WISDOT/CADDS SHEET 49

730

720

710

C/L
IH 41

R/L
NB2

EX
SS

WETLAND

WETLAND

SS

4%

9.4:1

MATCH EXISTING

705.37
0.00

705.29
2.00

706.95
5.25

5.4:1

708.97
16.27

290+00

4 FT

10 FT

-60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB SHOULDER SLOPE IMPROVEMENT, R/L NB2	SHEET E

PRE_351

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090205_XS_NB UNDER HAMPTON - NB2.DWG
LAYOUT NAME - 090211_XS

PLOT DATE : 9/20/2021 10:01 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

290+50

C/L
IH 41

R/L
NB2

SS

4%

MATCH EXISTING

3.0:1

4.7:1

710.98
15.06

707.29
3.89

705.65
0.00

705.54
2.72

4 FT

10 FT

9

9

-60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB SHOULDER SLOPE IMPROVEMENT, R/L NB2	SHEET E

PRE_352

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090205_XS_NB UNDER HAMPTON - NB2.DWG
LAYOUT NAME - 090212_XS

PLOT DATE : 9/20/2021 10:02 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

290+55

C/L
IH 41

R/L
NB2

SS

2.7:1

711.47
14.94

4.9:1

MATCH EXISTING

707.34
3.69

705.62
2.33

705.66
0.00

4 FT

10 FT

-60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB SHOULDER SLOPE IMPROVEMENT, R/L NB2	SHEET E

PRE_353

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090205_XS_NB UNDER HAMPTON - NB2.DWG
LAYOUT NAME - 090213_XS

PLOT DATE : 9/20/2021 10:03 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

291+00

C/L
IH 41

R/L
NB2

SS

713.44
14.69

-2.0%

10.6:1

MATCH EXISTING

707.56
2.83

705.61
2.39

705.66
0.00

4 FT

10 FT

0 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB SHOULDER SLOPE IMPROVEMENT, R/L NB2	SHEET E

PRE_354

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090205_XS_NB UNDER HAMPTON - NB2.DWG
LAYOUT NAME - 090214_XS

PLOT DATE : 9/20/2021 10:03 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

291+50

R/L
NB2

R/L
NB2

SS

713.75
4.98

3.84

10.3:1

MATCH EXISTING

707.56
2.83

705.66
0.00

705.61
2.33

4 FT

10 FT

0 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB SHOULDER SLOPE IMPROVEMENT, R/L NB2	SHEET E

PRE_355

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090205_XS_NB UNDER HAMPTON - NB2.DWG
LAYOUT NAME - 090215_XS

PLOT DATE : 9/20/2021 10:04 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

C/L
IH 41

R/L
NB2

SS

711.30
11.28

2:1

4.0:1

MATCH EXISTING

703.47
2.83

705.64
0.00

705.60
2.33

291+95

730

720

710

4 FT

10 FT

9

9

-60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB SHOULDER SLOPE IMPROVEMENT, R/L NB2	SHEET E

PRE_356

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090205_XS_NB UNDER HAMPTON - NB2.DWG
LAYOUT NAME - 090216_XS

PLOT DATE : 9/20/2021 10:05 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

C/L
IH 41

R/L
NB2

SS

12.1:1

10.0:1

2.8:1

MATCH EXISTING

707.64
0.00

707.44
2.00

707.36
3.05

708.87
7.26

292+00

730

720

710

4 FT

10 FT

9

9

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB SHOULDER SLOPE IMPROVEMENT, R/L NB2	SHEET E

PRE_357

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090205_XS_NB UNDER HAMPTON - NB2.DWG
LAYOUT NAME - 090217_XS

PLOT DATE : 9/20/2021 10:05 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

C/L
IH 41

R/L
NB2

MATCH EXISTING

707.65
0.00

10.0%

707.45
2.00

4.8%

708.00
4.80

4.3%

709.01
9.18

292+23

4 FT

10 FT

9

-60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

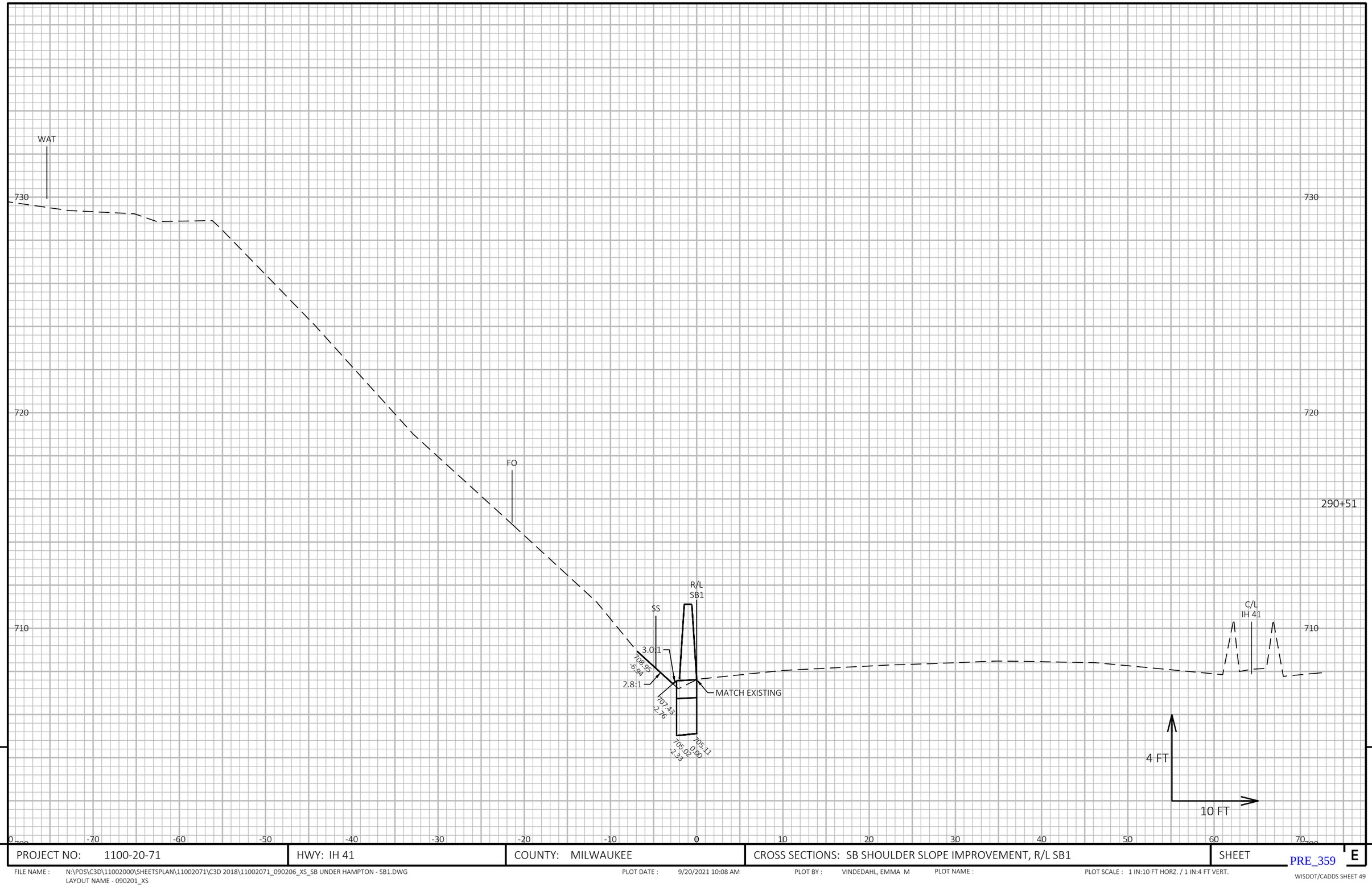
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB SHOULDER SLOPE IMPROVEMENT, R/L NB2	SHEET E

PRE_358

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090205_XS_NB UNDER HAMPTON - NB2.DWG
LAYOUT NAME - 090218_XS

PLOT DATE : 9/20/2021 10:06 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB SHOULDER SLOPE IMPROVEMENT, R/L SB1	SHEET E

PRE_359

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090206_XS_SB UNDER HAMPTON - SB1.DWG
LAYOUT NAME - 090201_XS

PLOT DATE : 9/20/2021 10:08 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

291+00

714.03
-15.47

4.94

SS

R/L
SB1

6.1:1

707.50
2.83

705.03
2.33

705.12
0.00

MATCH EXISTING

C/L
IH 41

4 FT

10 FT

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB SHOULDER SLOPE IMPROVEMENT, R/L SB1	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090206_XS_SB UNDER HAMPTON - SB1.DWG
LAYOUT NAME - 090202_XS

PLOT DATE : 9/20/2021 10:08 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_360

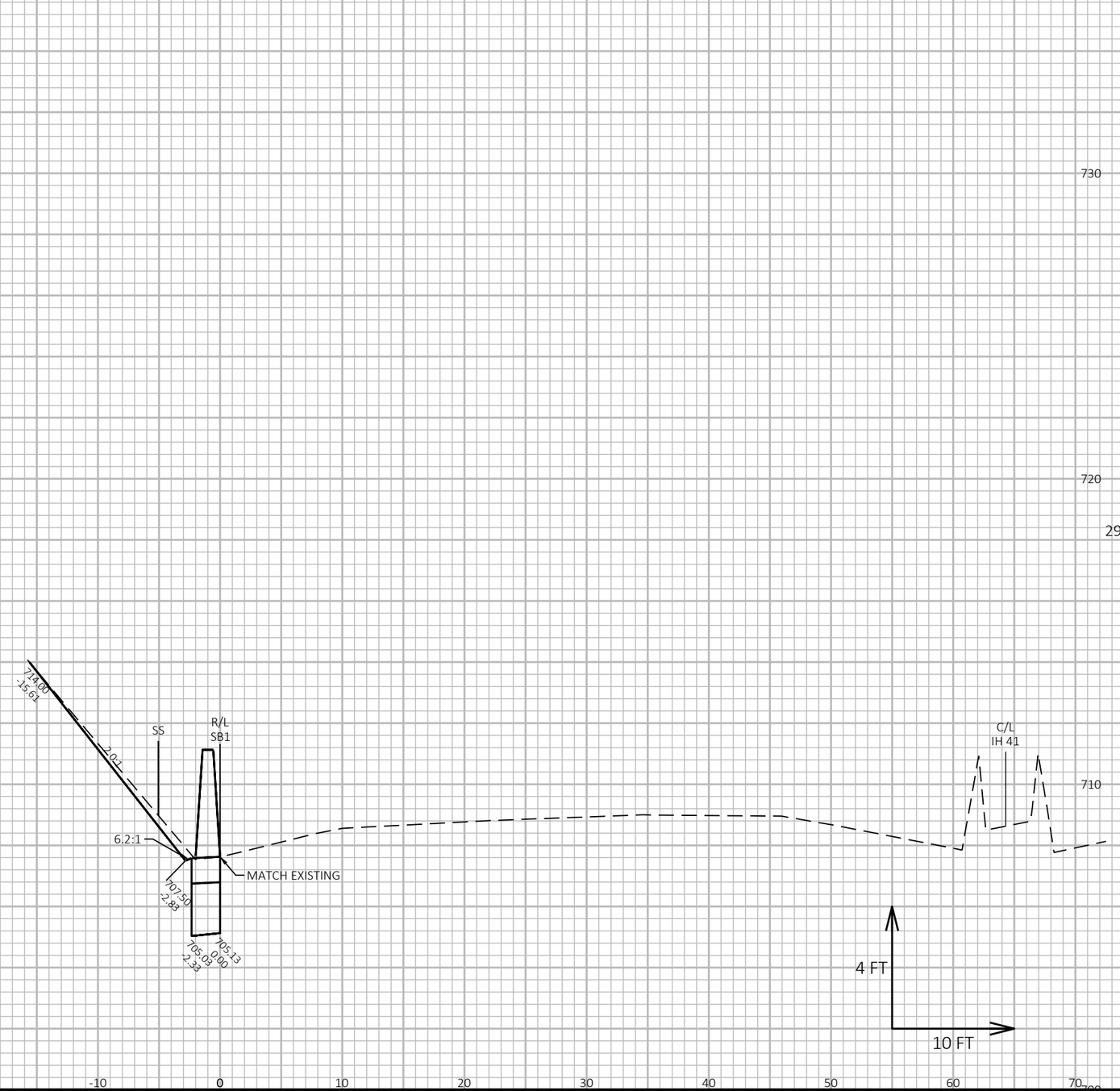
WISDOT/CADDS SHEET 49

730

720

710

291+50



730

720

710

9

9

0 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB SHOULDER SLOPE IMPROVEMENT, R/L SB1	SHEET E

PRE_361

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090206_XS_SB UNDER HAMPTON - SB1.DWG
LAYOUT NAME - 090203_XS

PLOT DATE : 9/20/2021 10:08 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

FO

715.60
15.63

2.2:1

SS

R/L
SB1

11.3:1

707.41
4.06

705.09
-1.99

705.13
0.00

2.0%

MATCH EXISTING

292+00

C/L
IH 41

4 FT

10 FT

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB SHOULDER SLOPE IMPROVEMENT, R/L SB1	SHEET E

PRE_362

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090206_XS_SB UNDER HAMPTON - SB1.DWG
LAYOUT NAME - 090204_XS

PLOT DATE : 9/20/2021 10:08 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

FO

292+50

R/L
SB1

C/L
IH 41

710.19
-14.64

4.2:1

2.2%

2.0%

MATCH EXISTING

708.45
-6.05

706.30
-4.00

706.38
0.00

4 FT

10 FT

0 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB SHOULDER SLOPE IMPROVEMENT, R/L SB1	SHEET E

PRE_363

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090206_XS_SB UNDER HAMPTON - SB1.DWG
LAYOUT NAME - 090205_XS

PLOT DATE : 9/20/2021 10:08 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

730

720

710

FO

293+00

R/L
SB1

C/L
IH 41

710.27
-13.65

3.9:1

13.5:1

2.0%

708.66
-7.46

MATCH EXISTING

706.42
-3.93

706.50
0.00

4 FT

10 FT

0 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB SHOULDER SLOPE IMPROVEMENT, R/L SB1	SHEET E

PRE_364

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090206_XS_SB UNDER HAMPTON - SB1.DWG
LAYOUT NAME - 090206_XS

PLOT DATE : 9/20/2021 10:08 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

FO

293+35

R/L
SB1

C/L
IH 41

710.10
-13.59

3.9:1

13.4:1

2.0%

708.82
-8.58

MATCH EXISTING

706.66
4.04

706.74
0.00

4 FT

10 FT

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB SHOULDER SLOPE IMPROVEMENT, R/L SB1	SHEET E

PRE_365

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090206_XS_SB UNDER HAMPTON - SB1.DWG
LAYOUT NAME - 090207_XS

PLOT DATE : 9/20/2021 10:08 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

FO

710.38
-14.64

4.7:1

13.9:1

709.01
-8.14

2.0%

R/L
SB1

MATCH EXISTING

706.75
-4.74

706.85
0.00

293+50

C/L
IH 41

730

720

710

4 FT

10 FT

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB SHOULDER SLOPE IMPROVEMENT, R/L SB1	SHEET E

PRE_366

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090206_XS_SB UNDER HAMPTON - SB1.DWG
LAYOUT NAME - 090208_XS

PLOT DATE : 9/20/2021 10:08 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

FO

293+60

R/L
SB1

C/L
IH 41

710

710.57
-15.34

5.24

10.0:1

2.0%

709.13
-7.84

MATCH EXISTING

706.89
-5.24

707.00
0.00

4 FT

10 FT

9

9

0 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB SHOULDER SLOPE IMPROVEMENT, R/L SB1	SHEET E

PRE_367

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090206_XS_SB UNDER HAMPTON - SB1.DWG
LAYOUT NAME - 090209_XS

PLOT DATE : 9/20/2021 10:08 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

FO

293+72

R/L
SB1

C/L
IH 41

710.98
-16.21

-4.3:1

-9.9:1

2.0%

709.32
-9.17

MATCH EXISTING

707.08
-6.85

707.22
0.00

4 FT

10 FT

0 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB SHOULDER SLOPE IMPROVEMENT, R/L SB1	SHEET E

PRE_368

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090206_XS_SB UNDER HAMPTON - SB1.DWG
LAYOUT NAME - 090210_XS

PLOT DATE : 9/20/2021 10:08 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

FO

293+85

R/L
SB1

C/L
IH 41

711.15
-17.08

-4.0%

12.0'

2.0%

709.51
-10.50

MATCH EXISTING

707.18
-9.50

707.35
0.00

4 FT

10 FT

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB SHOULDER SLOPE IMPROVEMENT, R/L SB1	SHEET E

PRE_369

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090206_XS_SB UNDER HAMPTON - SB1.DWG
LAYOUT NAME - 090211_XS

PLOT DATE : 9/20/2021 10:08 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

FO

294+00

R/L
SB1

C/L
IH 41

710

711.02
-16.49

4.2:1

8.3:1

2.0%

MATCH EXISTING

709.54
-10.01

707.30
-7.75

707.46
0.00

710

4 FT

10 FT

9

9

0 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB SHOULDER SLOPE IMPROVEMENT, R/L SB1	SHEET E

PRE_370

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090206_XS_SB UNDER HAMPTON - SB1.DWG
LAYOUT NAME - 090212_XS

PLOT DATE : 9/20/2021 10:08 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

FO

294+50

R/L
SB1

C/L
IH 41

6.5:1

6.1:1

2.0%

710.36
-12.97

709.64
-8.36

MATCH EXISTING

707.66
-5.23

707.76
0.00

4 FT

10 FT

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB SHOULDER SLOPE IMPROVEMENT, R/L SB1	SHEET E

PRE_371

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090206_XS_SB UNDER HAMPTON - SB1.DWG
LAYOUT NAME - 090213_XS

PLOT DATE : 9/20/2021 10:08 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

FO

295+00

R/L
SB1

C/L
IH 41

2.0%

8.1:1

5.8:1

710.09
-9.49

709.74
-6.71

MATCH EXISTING

708.00
-2.72

708.05
0.00

710

4 FT

10 FT

0 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB SHOULDER SLOPE IMPROVEMENT, R/L SB1	SHEET E

PRE_372

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090206_XS_SB UNDER HAMPTON - SB1.DWG
LAYOUT NAME - 090214_XS

PLOT DATE : 9/20/2021 10:08 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

FO

R/L
SB1

2.0%

8.8:1

5.2:1

710.04
-8.75

709.77
-6.36

MATCH EXISTING

708.11
0.00

708.07
-2.18

295+11

C/L
IH 41

4 FT

10 FT

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB SHOULDER SLOPE IMPROVEMENT, R/L SB1	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090206_XS_SB UNDER HAMPTON - SB1.DWG
LAYOUT NAME - 090215_XS

PLOT DATE : 9/20/2021 10:08 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_373

WISDOT/CADDS SHEET 49

720

710

700

R/L
HN1

MATCH EXISTING

10.0:1

4.0:1

4.0:1

712.15
5.20

711.78
6.89

710.95
10.00

WETLAND

WETLAND

10+96

4 FT

10 FT

0 500 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 500

9

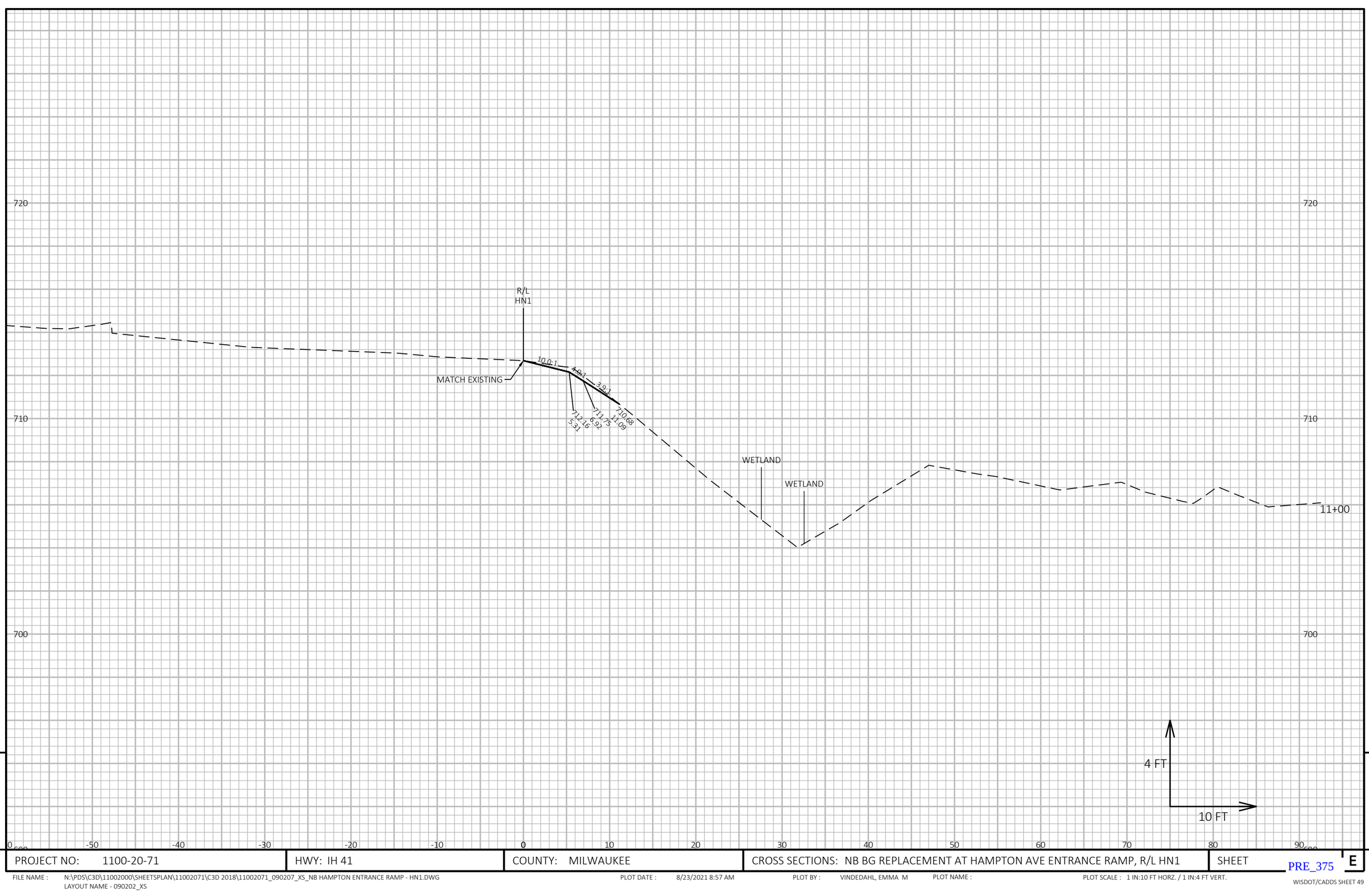
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT HAMPTON AVE ENTRANCE RAMP, R/L HN1	SHEET E

PRE_374

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090207_XS_NB HAMPTON ENTRANCE RAMP - HN1.DWG
LAYOUT NAME - 090201_XS

PLOT DATE : 8/23/2021 8:56 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

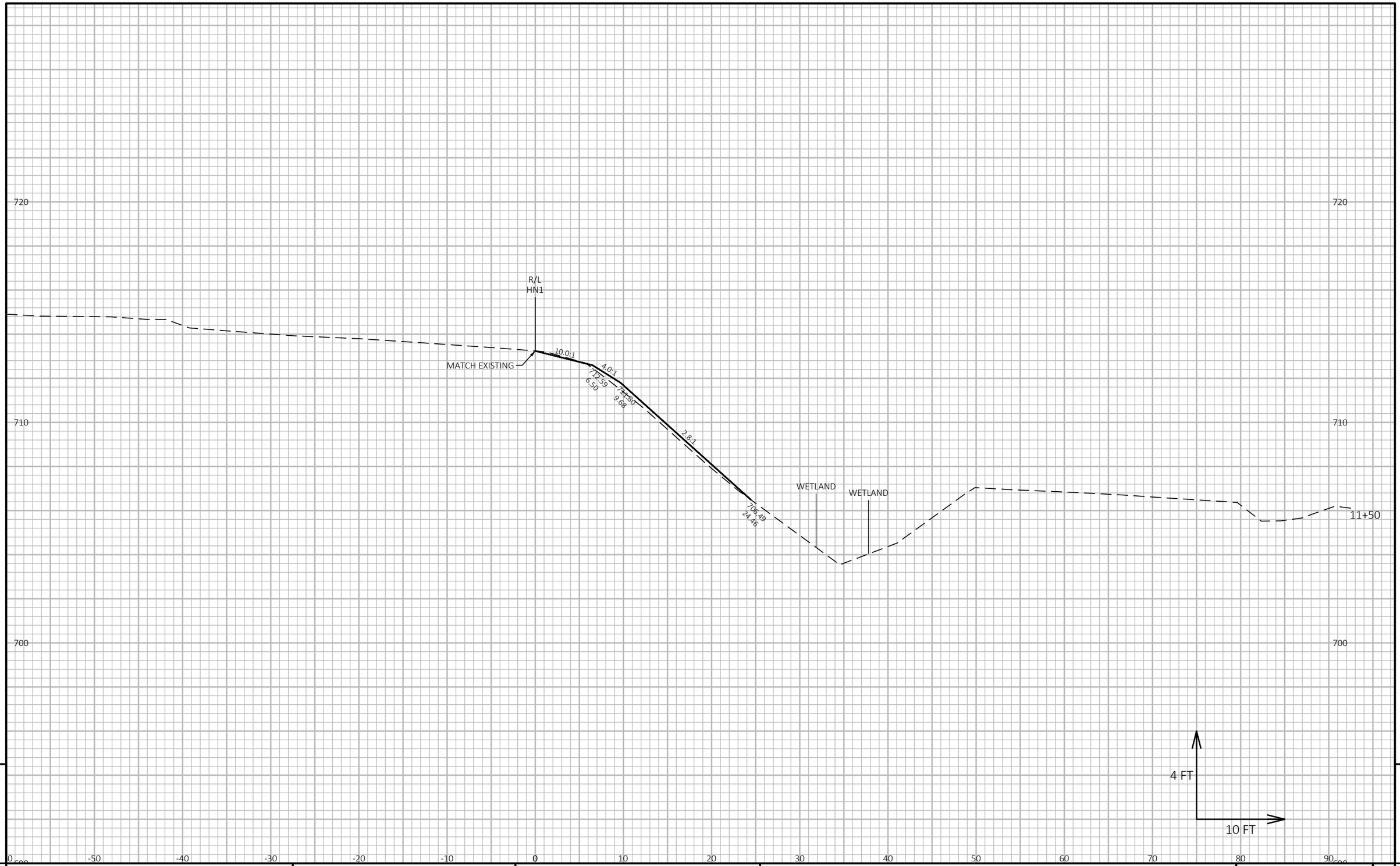
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT HAMPTON AVE ENTRANCE RAMP, R/L HN1	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090207_XS_NB HAMPTON ENTRANCE RAMP - HN1.DWG
LAYOUT NAME - 090202_XS

PLOT DATE : 8/23/2021 8:57 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_375

WISDOT/CADDS SHEET 49



9

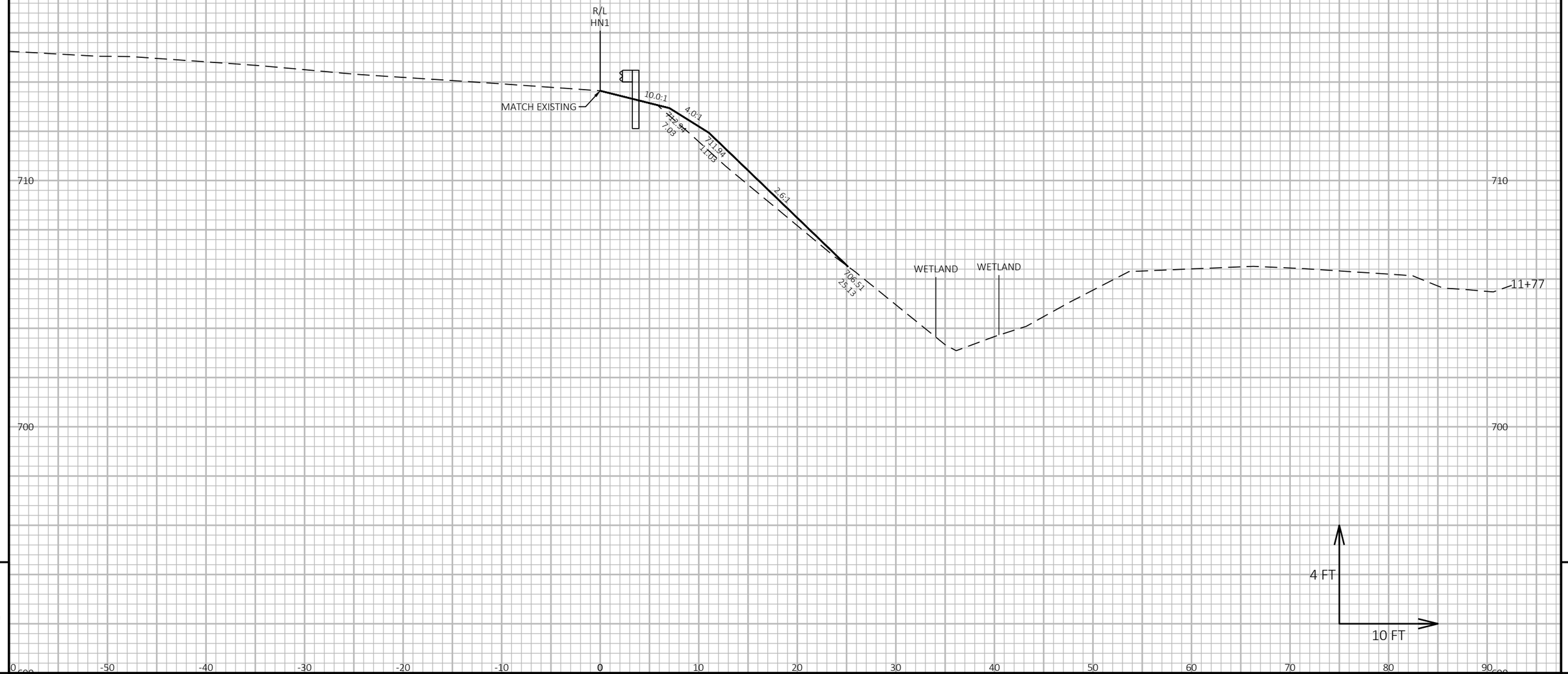
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT HAMPTON AVE ENTRANCE RAMP, R/L HN1	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090207_XS_NB HAMPTON ENTRANCE RAMP - HN1.DWG
LAYOUT NAME - 090203_XS

PLOT DATE : 8/23/2021 8:57 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_376

WISDOT/CADDS SHEET 49



9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT HAMPTON AVE ENTRANCE RAMP, R/L HN1	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090207_XS_NB HAMPTON ENTRANCE RAMP - HN1.DWG
LAYOUT NAME - 090204_XS

PLOT DATE : 8/23/2021 8:58 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_377



9

9

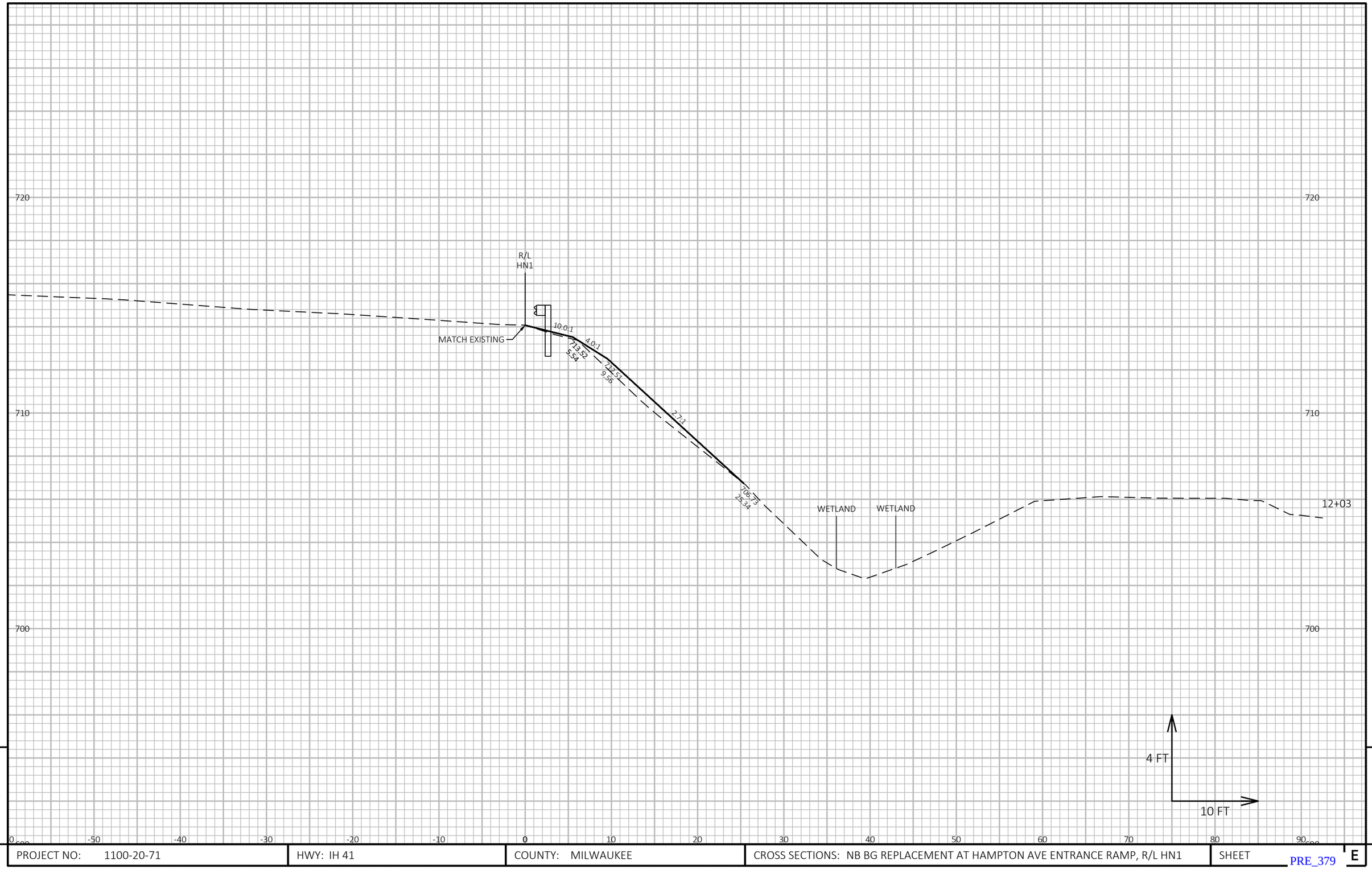
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT HAMPTON AVE ENTRANCE RAMP, R/L HN1	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090207_XS_NB HAMPTON ENTRANCE RAMP - HN1.DWG
LAYOUT NAME - 090205_XS

PLOT DATE : 8/23/2021 8:59 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_378

WISDOT/CADDS SHEET 49



9

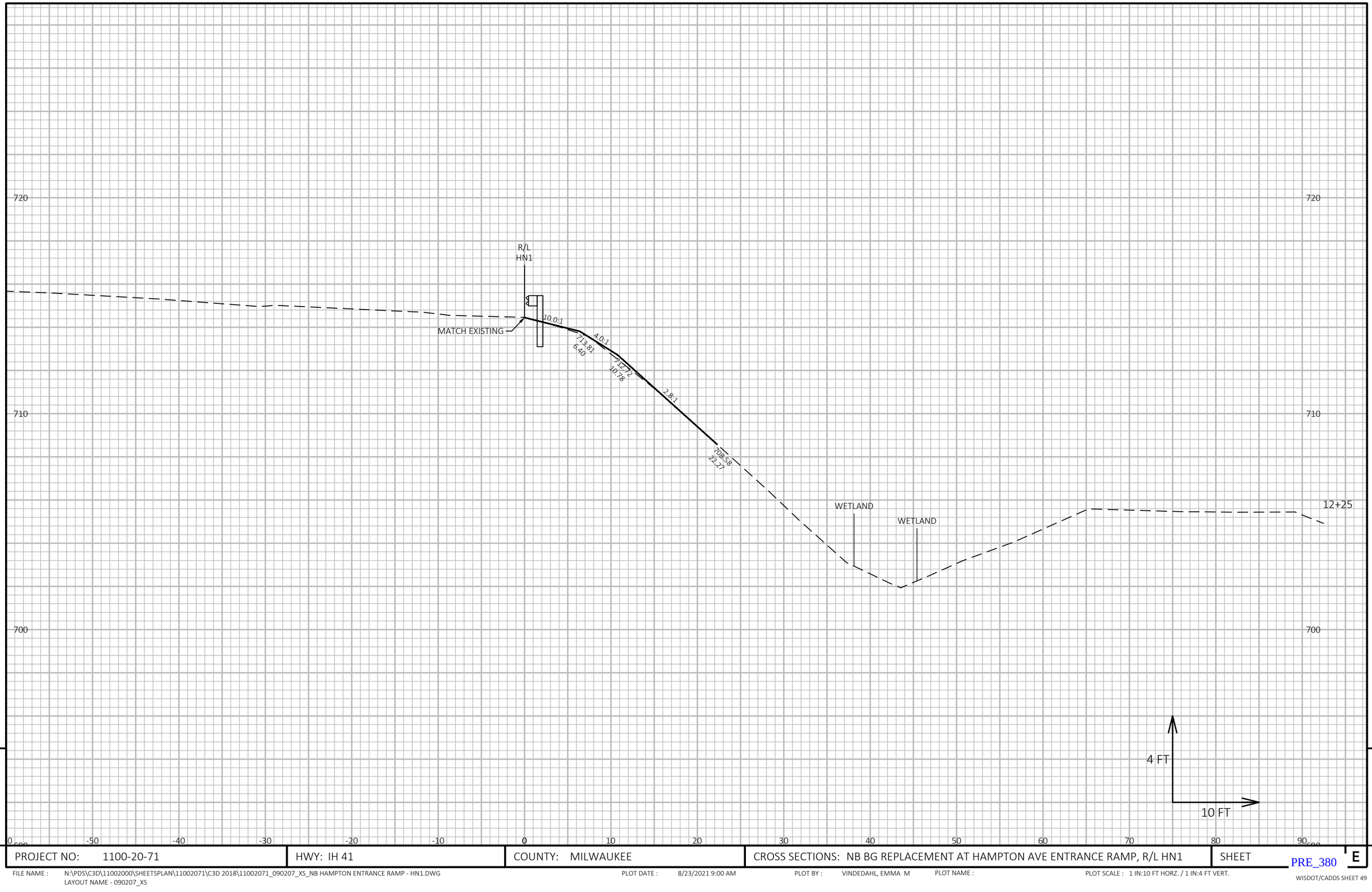
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT HAMPTON AVE ENTRANCE RAMP, R/L HN1	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090207_XS_NB HAMPTON ENTRANCE RAMP - HN1.DWG
LAYOUT NAME - 090206_XS

PLOT DATE : 8/23/2021 8:59 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_379

WISDOT/CADDS SHEET 49



9

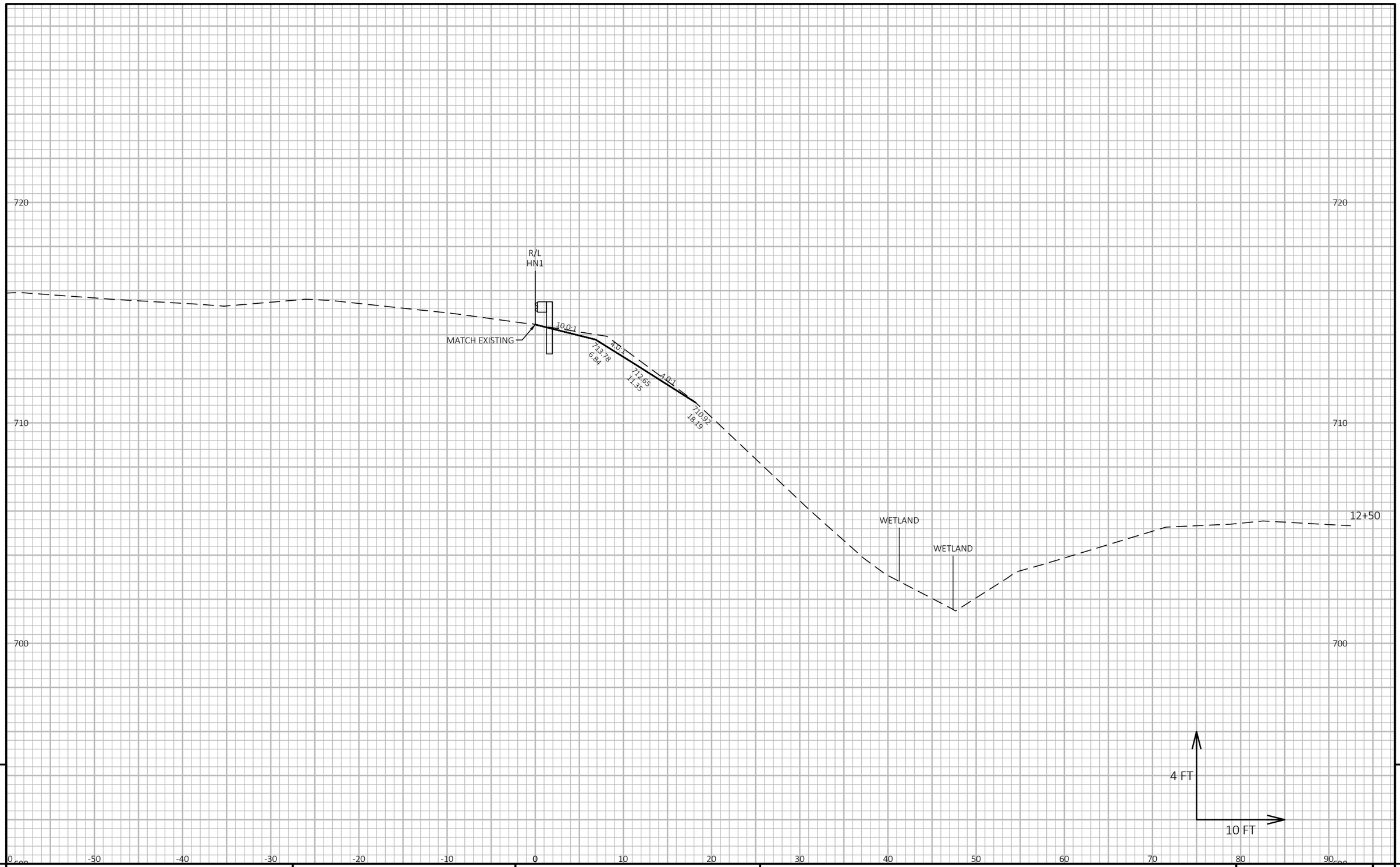
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT HAMPTON AVE ENTRANCE RAMP, R/L HN1	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090207_XS_NB HAMPTON ENTRANCE RAMP - HN1.DWG
LAYOUT NAME - 090207_XS

PLOT DATE : 8/23/2021 9:00 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_380

WISDOT/CADDS SHEET 49



9

9

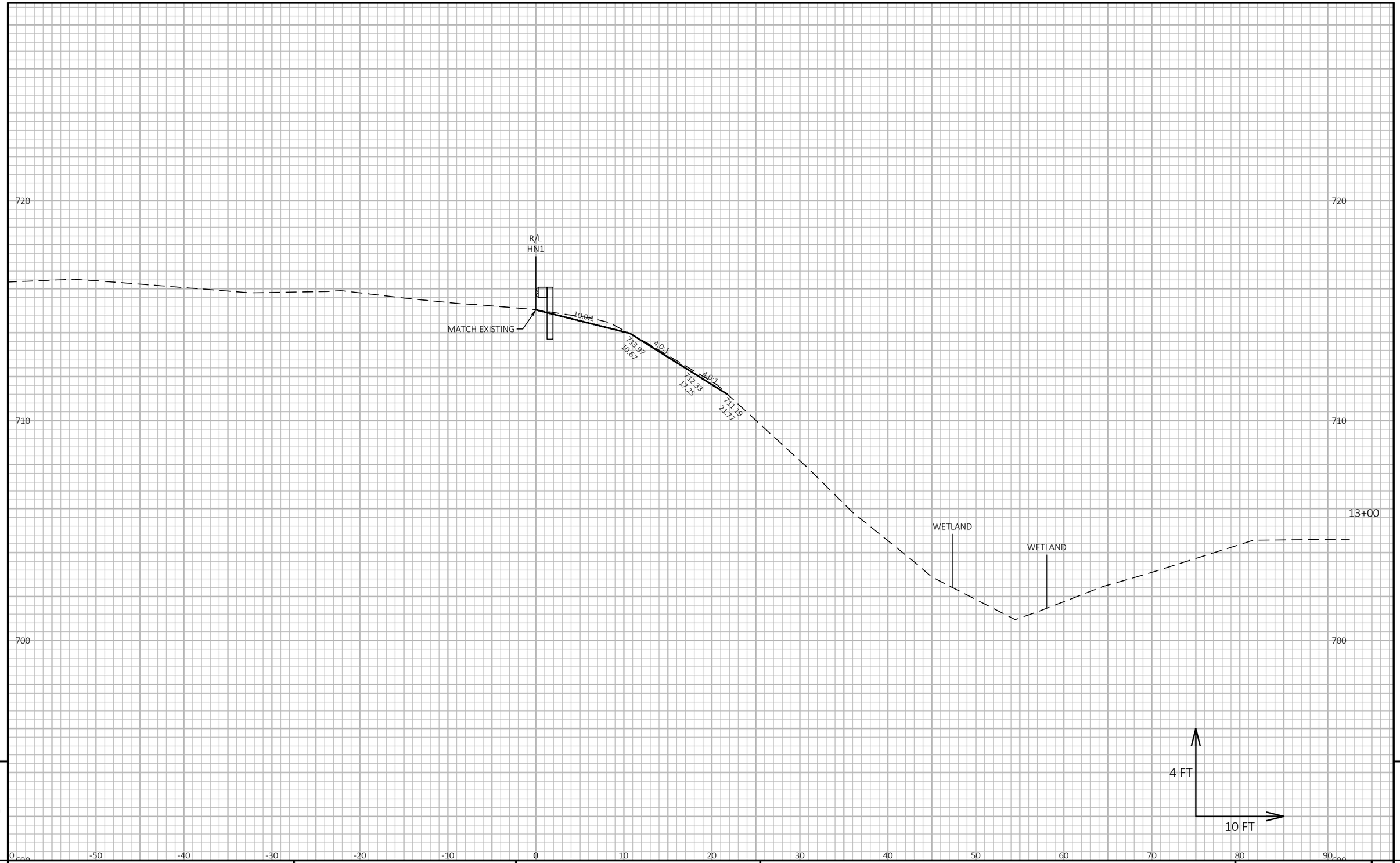
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT HAMPTON AVE ENTRANCE RAMP, R/L HN1	SHEET E

PRE_381

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090207_XS_NB HAMPTON ENTRANCE RAMP - HN1.DWG
LAYOUT NAME - 090208_XS

PLOT DATE : 8/23/2021 9:00 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

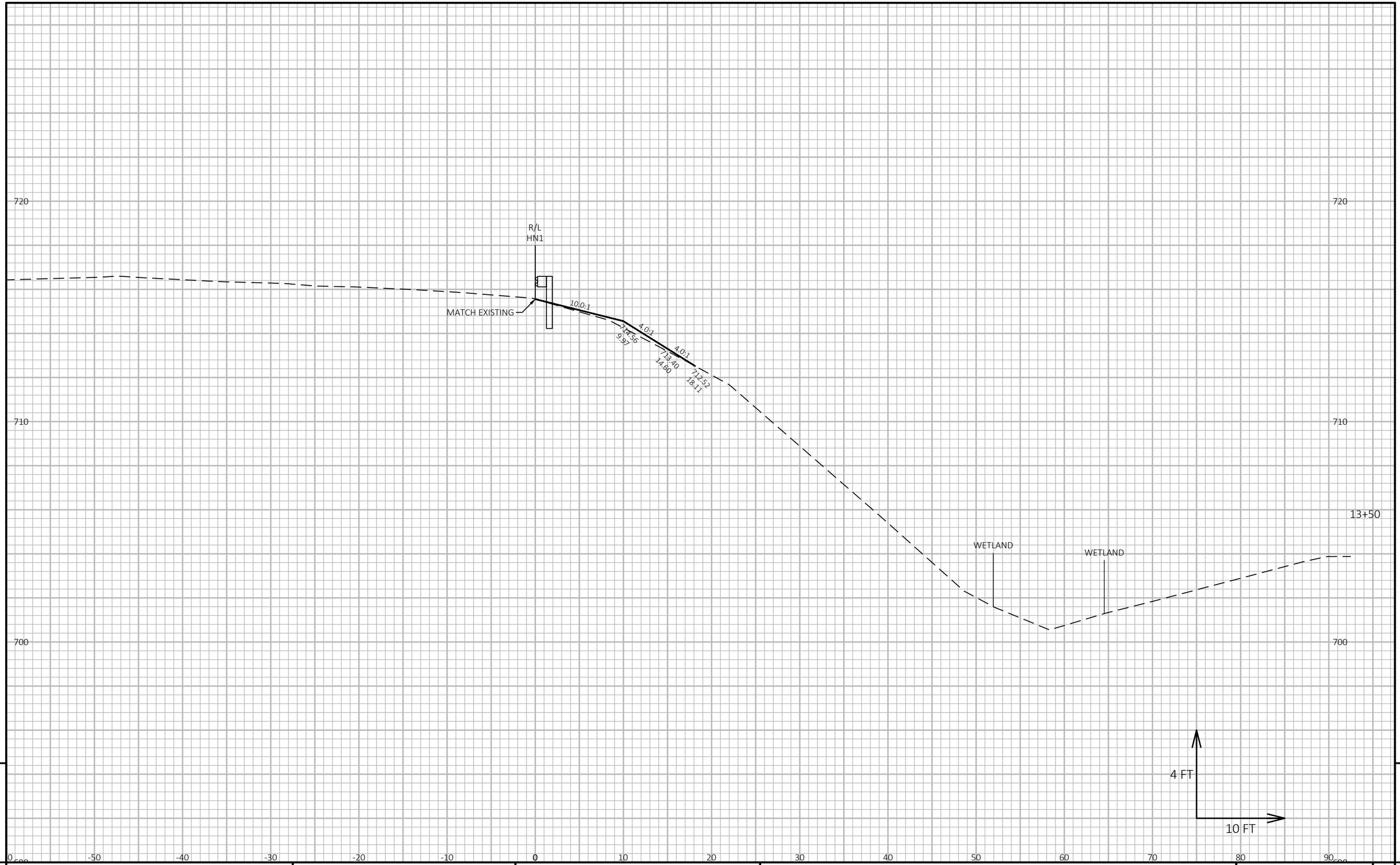
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT HAMPTON AVE ENTRANCE RAMP, R/L HN1	SHEET E

PRE_382

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090207_XS_NB HAMPTON ENTRANCE RAMP - HN1.DWG
LAYOUT NAME - 090209_XS

PLOT DATE : 8/23/2021 9:01 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

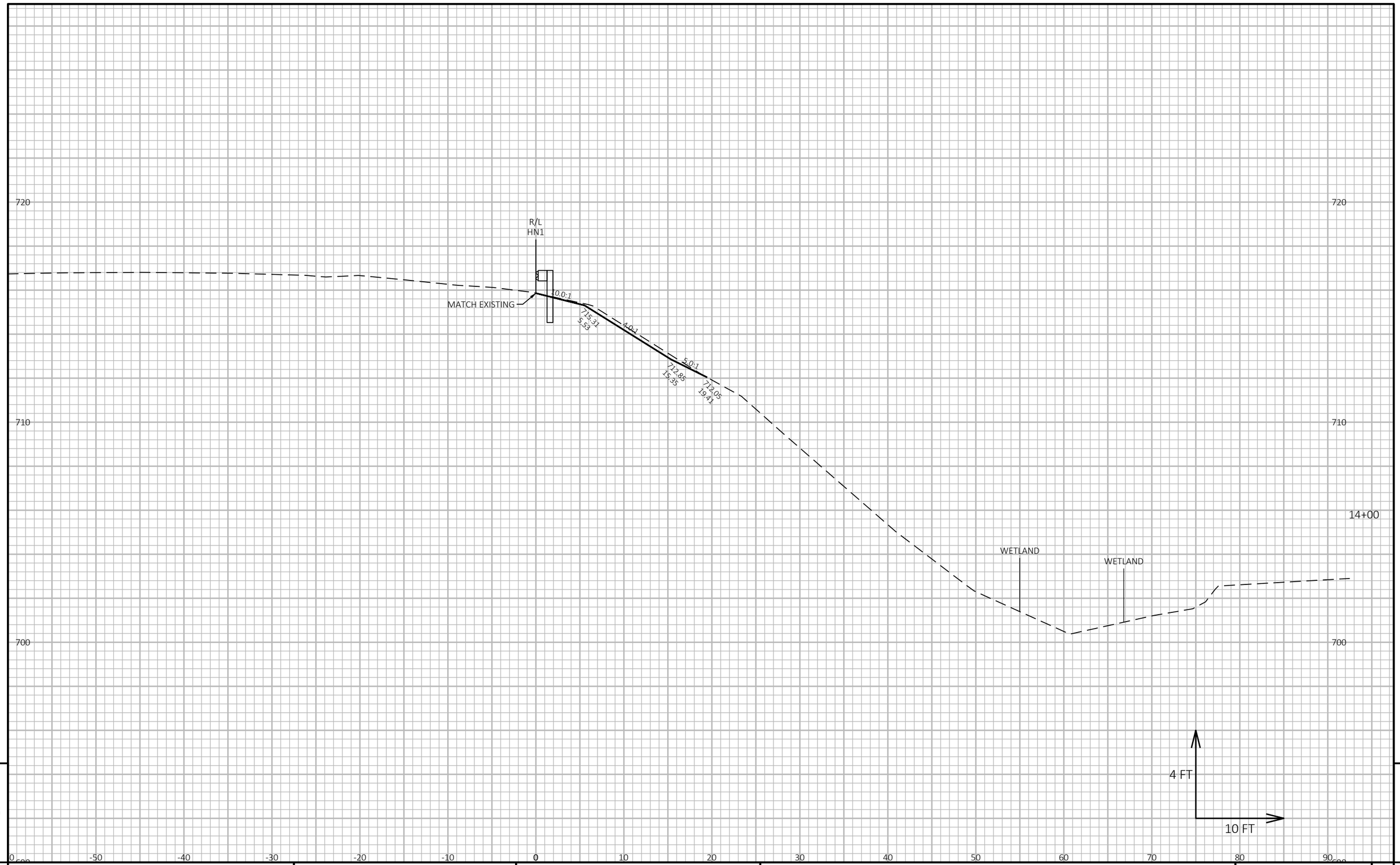
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT HAMPTON AVE ENTRANCE RAMP, R/L HN1	SHEET E

PRE_383

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090207_XS_NB HAMPTON ENTRANCE RAMP - HN1.DWG
LAYOUT NAME - 090210_XS

PLOT DATE : 8/23/2021 9:01 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

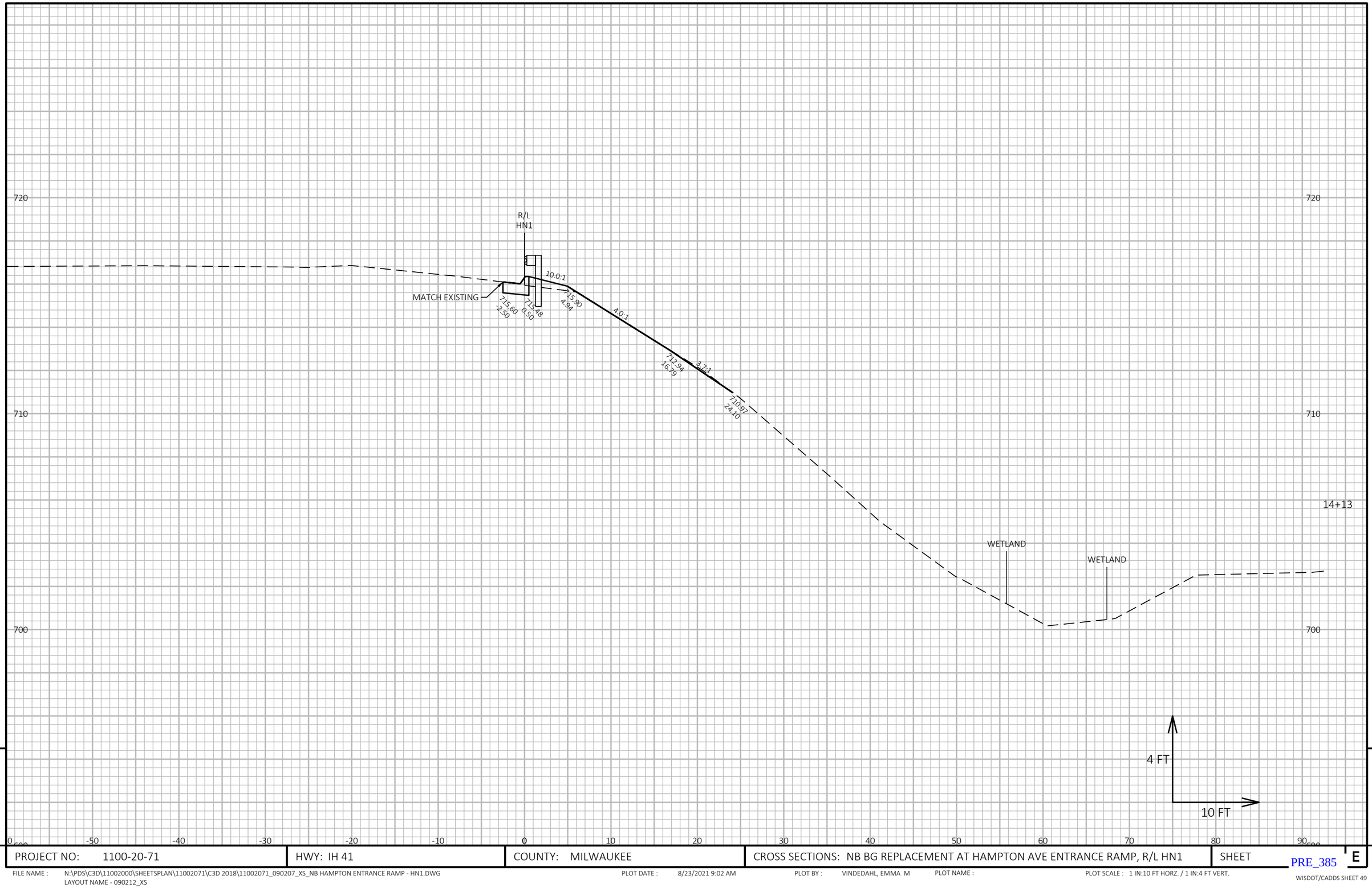
9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT HAMPTON AVE ENTRANCE RAMP, R/L HN1	SHEET PRE_384 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090207_XS_NB HAMPTON ENTRANCE RAMP - HN1.DWG
LAYOUT NAME - 090211_XS

PLOT DATE : 8/23/2021 9:02 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

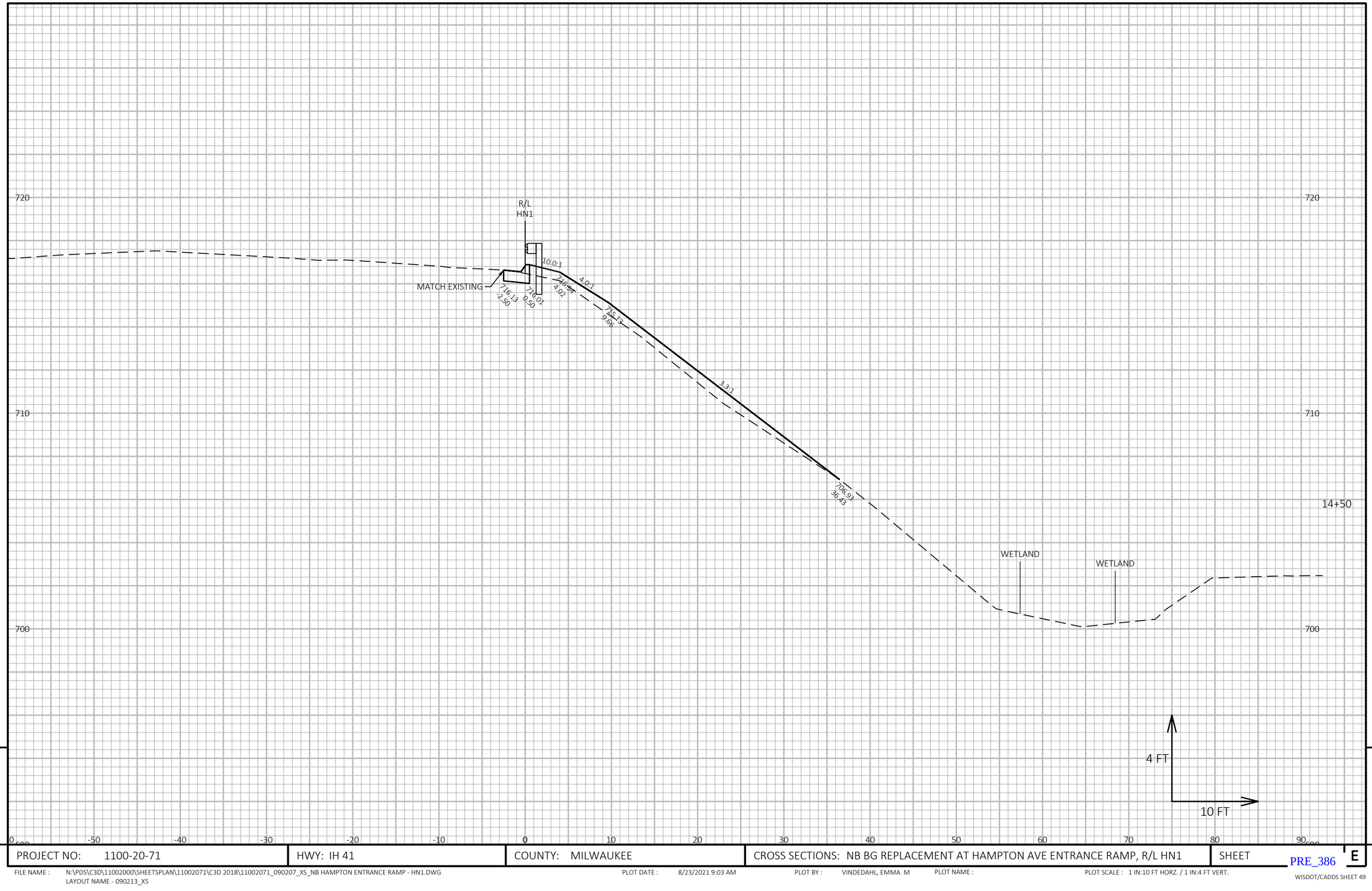
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT HAMPTON AVE ENTRANCE RAMP, R/L HN1	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090207_XS_NB HAMPTON ENTRANCE RAMP - HN1.DWG
LAYOUT NAME - 090212_XS

PLOT DATE : 8/23/2021 9:02 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_385

WISDOT/CADDS SHEET 49



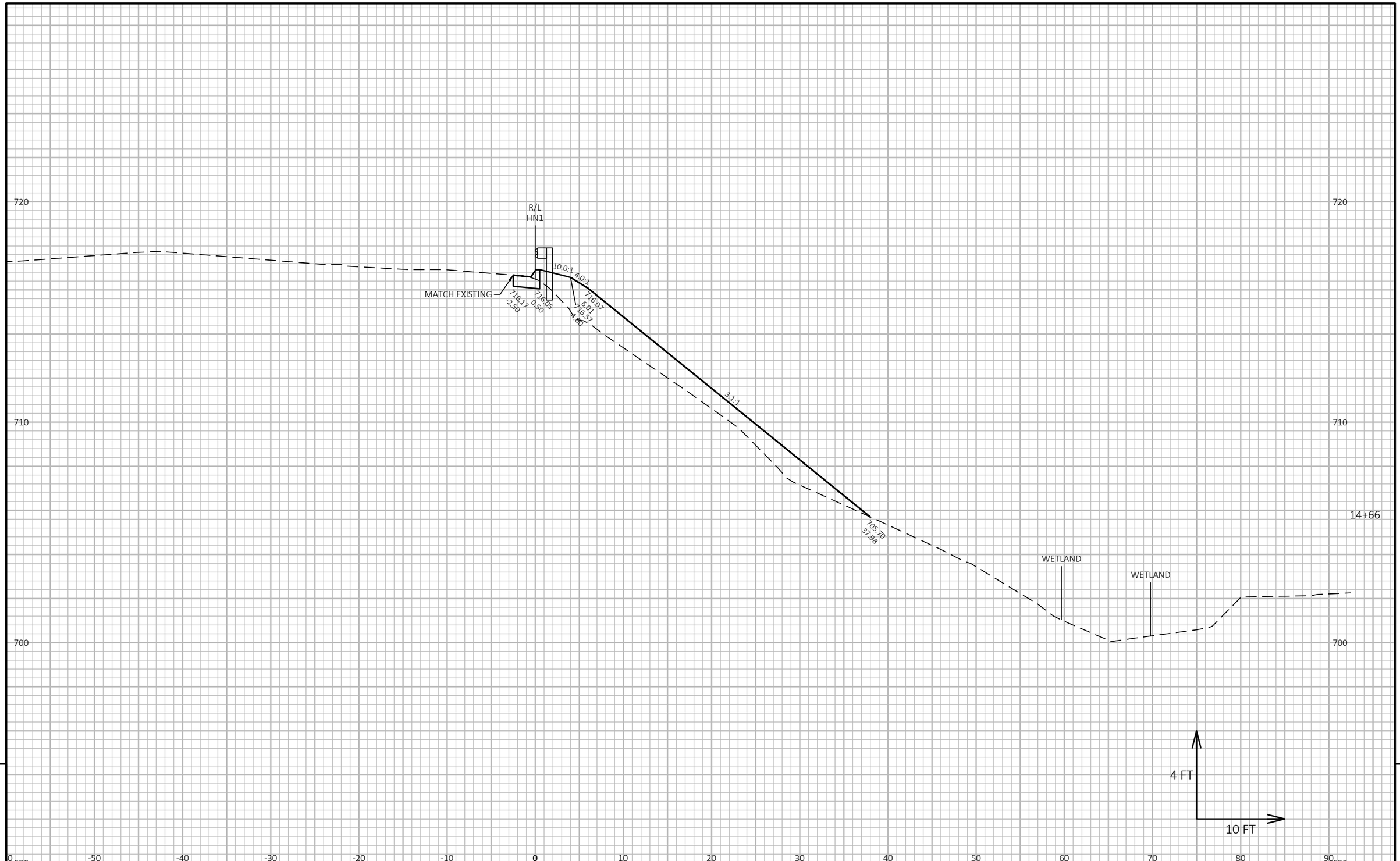
9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT HAMPTON AVE ENTRANCE RAMP, R/L HN1	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090207_XS_NB HAMPTON ENTRANCE RAMP - HN1.DWG
LAYOUT NAME - 090213_XS

PLOT DATE : 8/23/2021 9:03 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_386



9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BG REPLACEMENT AT HAMPTON AVE ENTRANCE RAMP, R/L HN1	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090207_XS_NB HAMPTON ENTRANCE RAMP - HN1.DWG
LAYOUT NAME - 090214_XS

PLOT DATE : 8/23/2021 9:03 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_387

WISDOT/CADDS SHEET 49

730

720

710

R/L
SB2

C/L
IH 41

302+50

MATCH EXISTING

10.0:1

3.3:1

2.9:1

712.43
-11.72

712.67
0.00

WETLAND

WETLAND

705.68
-31.46

4 FT

10 FT

0 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB SHOULDER SLOPE IMPROVEMENT, R/L SB2	SHEET E

PRE_388

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090207_XS_SB NEAR HAMPTON - SB2.DWG
LAYOUT NAME - 090201_XS

PLOT DATE : 8/25/2021 9:41 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

730

720

710

R/L
SB2

C/L
IH 41

302+50

MATCH EXISTING

10.0:1

3.3:1

712.43
-11.72

712.67
0.00

2.9:1

WETLAND

WETLAND

705.66
-3.135

4 FT

10 FT

0 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB SHOULDER SLOPE IMPROVEMENT, R/L SB2	SHEET E

PRE_389

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090207_XS_SB NEAR HAMPTON - SB2.DWG
LAYOUT NAME - 090202_XS

PLOT DATE : 8/25/2021 9:41 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

R/L
SB2

10.0:1

3.3:1

3.0:1

MATCH EXISTING

712.65
11.72

712.99
0.00

704.02
-37.97

WETLAND

WETLAND

C/L
IH 41

303+00

4 FT

10 FT

-50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB SHOULDER SLOPE IMPROVEMENT, R/L SB2	SHEET E

PRE_390

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090207_XS_SB NEAR HAMPTON - SB2.DWG
LAYOUT NAME - 090203_XS

PLOT DATE : 8/25/2021 9:42 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

R/L
SB2

C/L
IH 41

303+50

MATCH EXISTING

10.0:1

3.3:1

3.0:1

712.95
-11.72

713.18
0.00

705.47
-34.14

WETLAND

WETLAND

4 FT

10 FT

-50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90

9

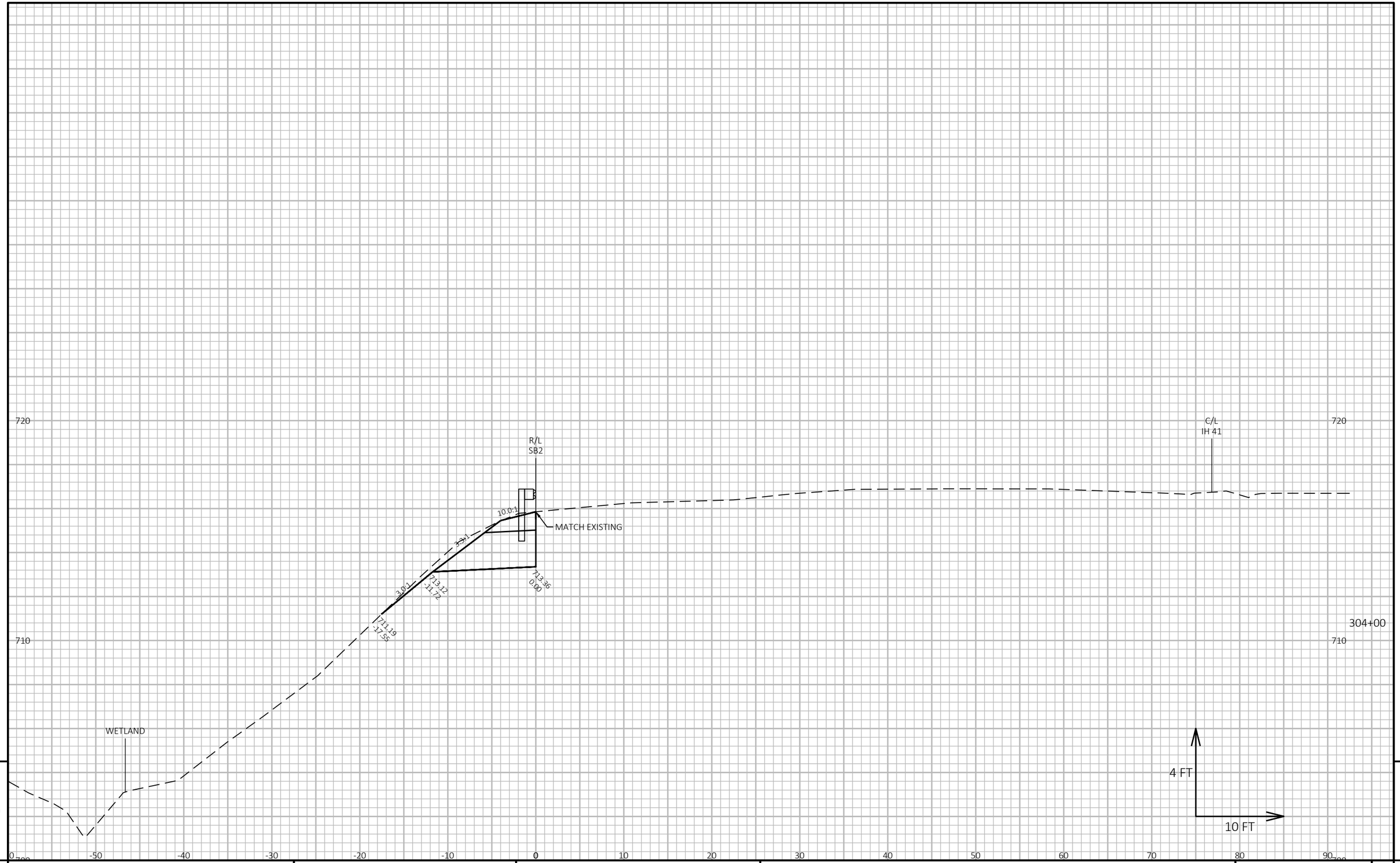
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB SHOULDER SLOPE IMPROVEMENT, R/L SB2	SHEET E

PRE_391

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090207_XS_SB NEAR HAMPTON - SB2.DWG
LAYOUT NAME - 090204_XS

PLOT DATE : 8/25/2021 9:43 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

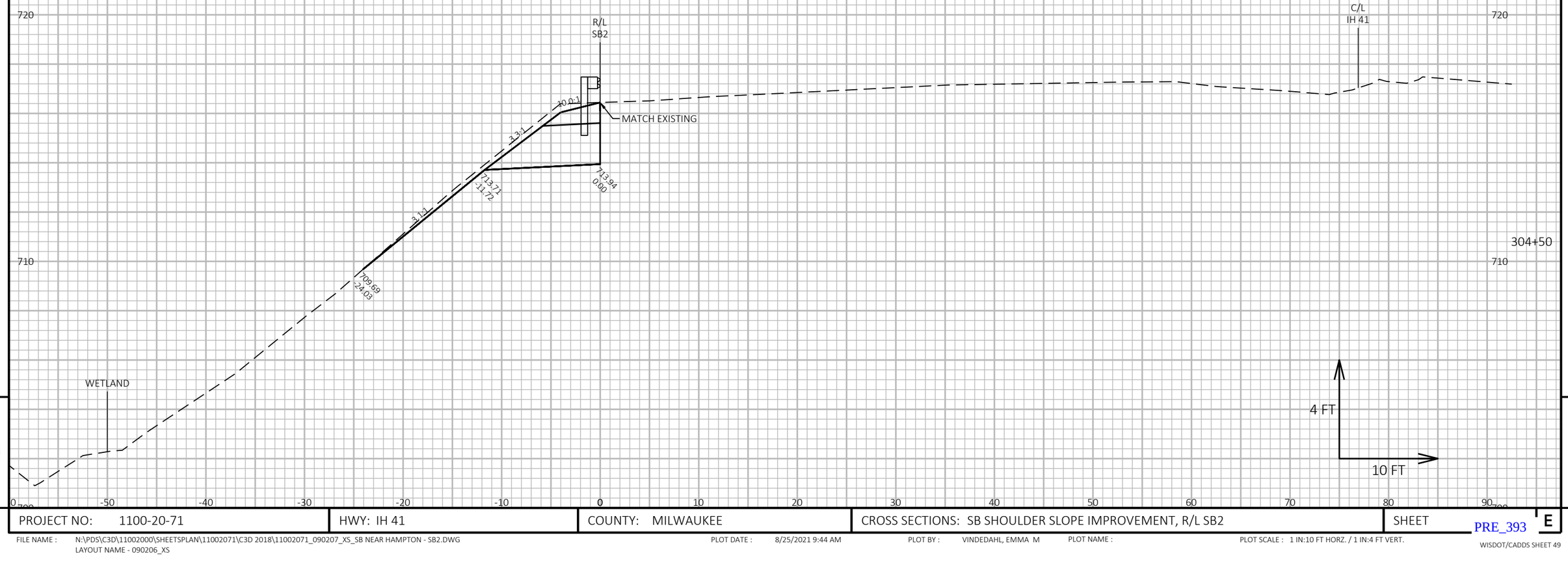
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PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB SHOULDER SLOPE IMPROVEMENT, R/L SB2	SHEET E

PRE_392

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090207_XS_SB NEAR HAMPTON - SB2.DWG
LAYOUT NAME - 090205_XS

PLOT DATE : 8/25/2021 9:43 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.



PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB SHOULDER SLOPE IMPROVEMENT, R/L SB2	SHEET E

PRE_393

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090207_XS_SB NEAR HAMPTON - SB2.DWG
LAYOUT NAME - 090206_XS

PLOT DATE : 8/25/2021 9:44 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

730

720

710

R/L
SB2

10.0:1

716.53
-4.00

716.01
0.50

716.13
2.50

MATCH EXISTING

3:1

710.72
-21.87

WETLAND

C/L
IH 41

304+66

4 FT

10 FT

0 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90

9

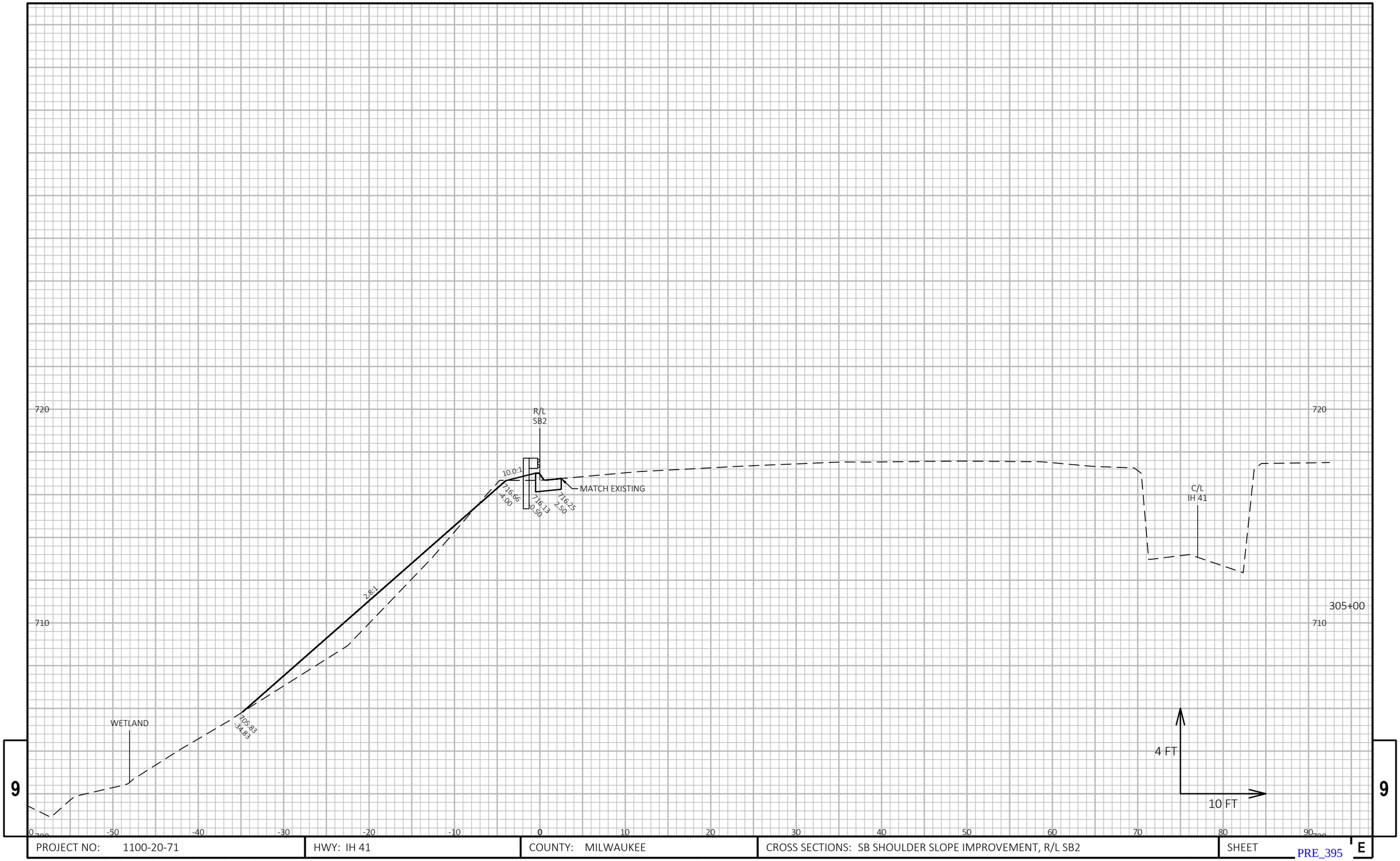
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB SHOULDER SLOPE IMPROVEMENT, R/L SB2	SHEET E

PRE_394

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090207_XS_SB NEAR HAMPTON - SB2.DWG
LAYOUT NAME - 090207_XS

PLOT DATE : 8/25/2021 9:45 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



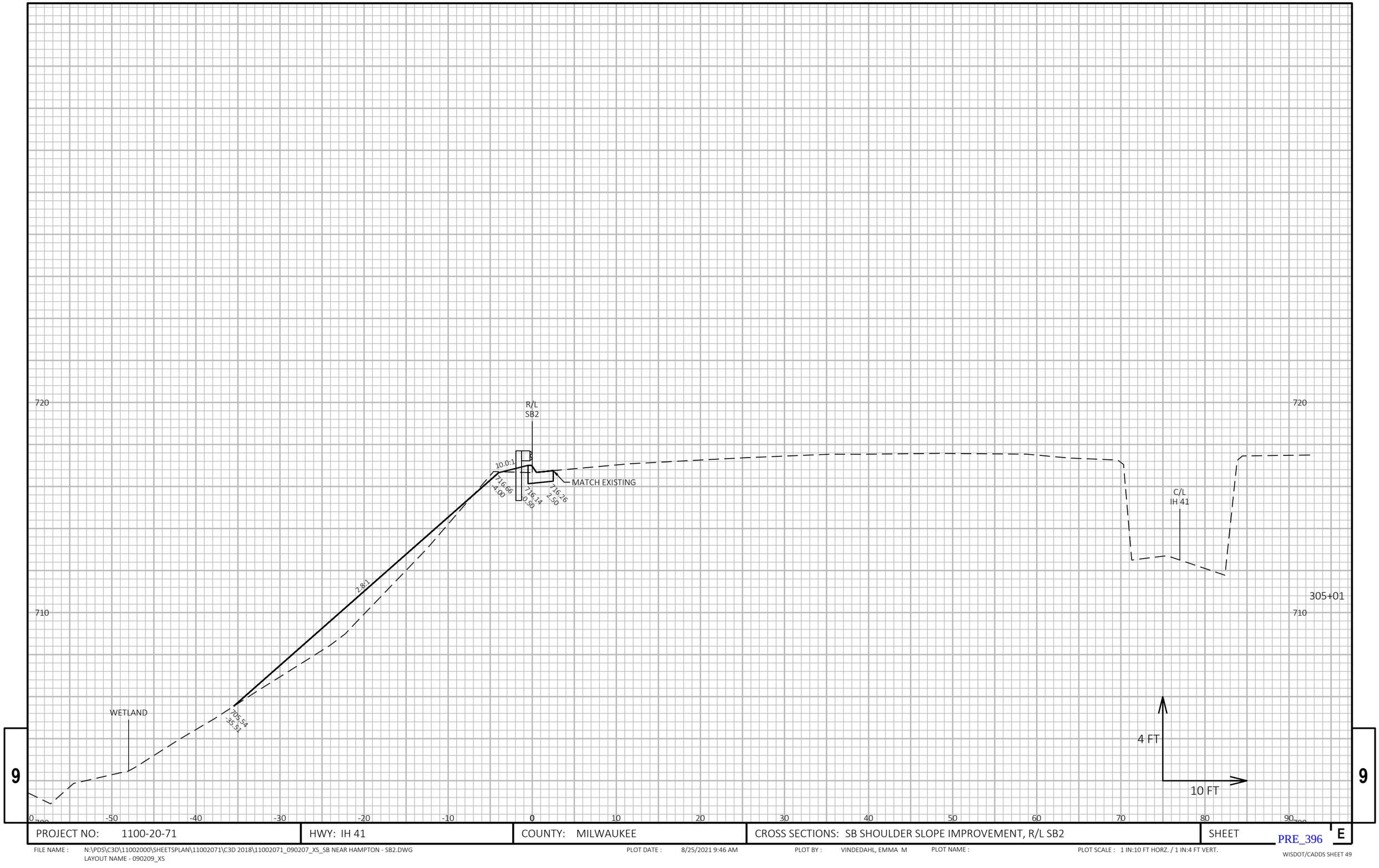
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB SHOULDER SLOPE IMPROVEMENT, R/L SB2	SHEET E

PRE_395

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090207_XS_SB NEAR HAMPTON - SB2.DWG
LAYOUT NAME - 090208_XS

PLOT DATE : 8/25/2021 9:45 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

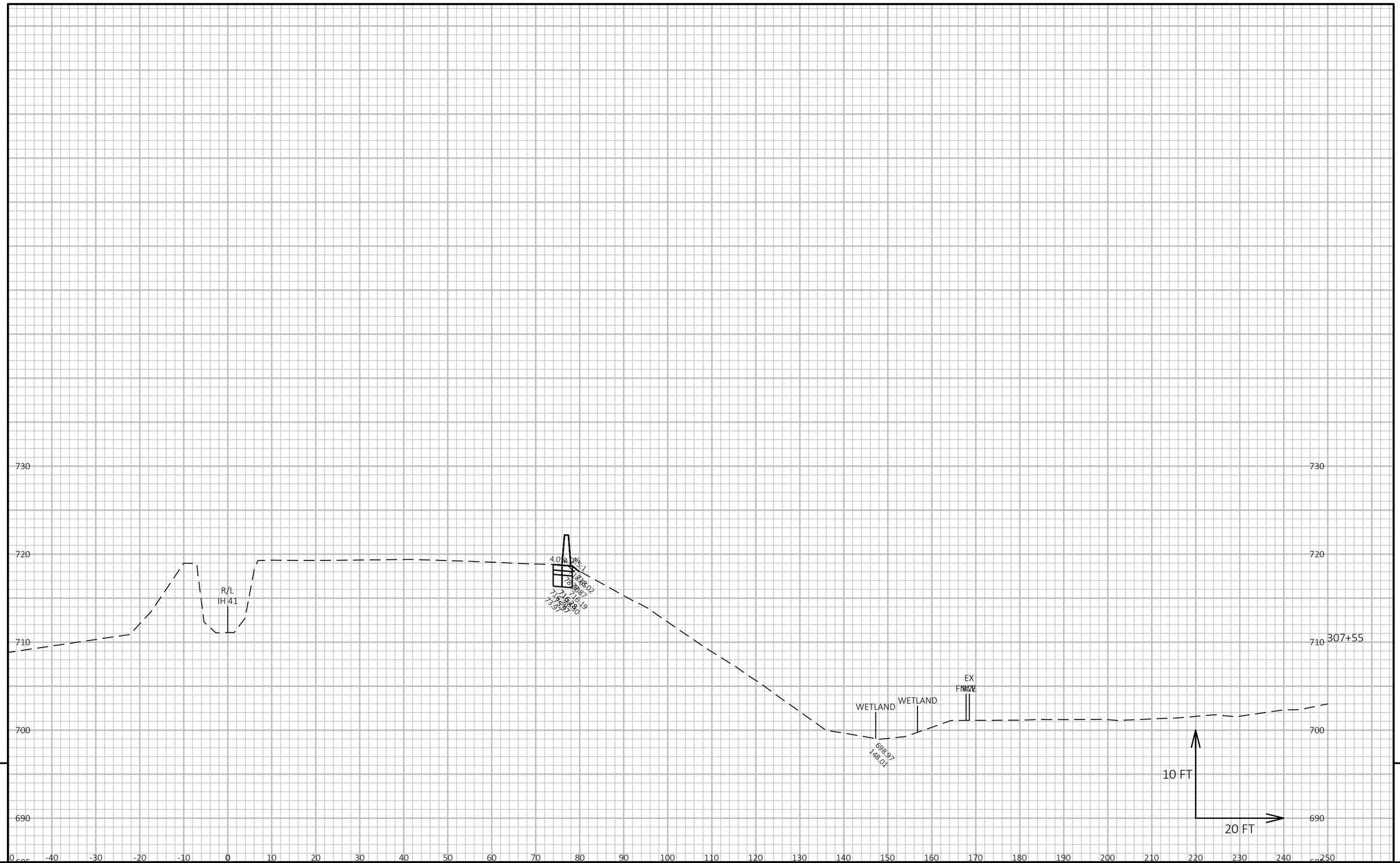
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB SHOULDER SLOPE IMPROVEMENT, R/L SB2	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090207_XS_SB NEAR HAMPTON - SB2.DWG
LAYOUT NAME - 090209_XS

PLOT DATE : 8/25/2021 9:46 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_396

WISDOT/CADDS SHEET 49



9

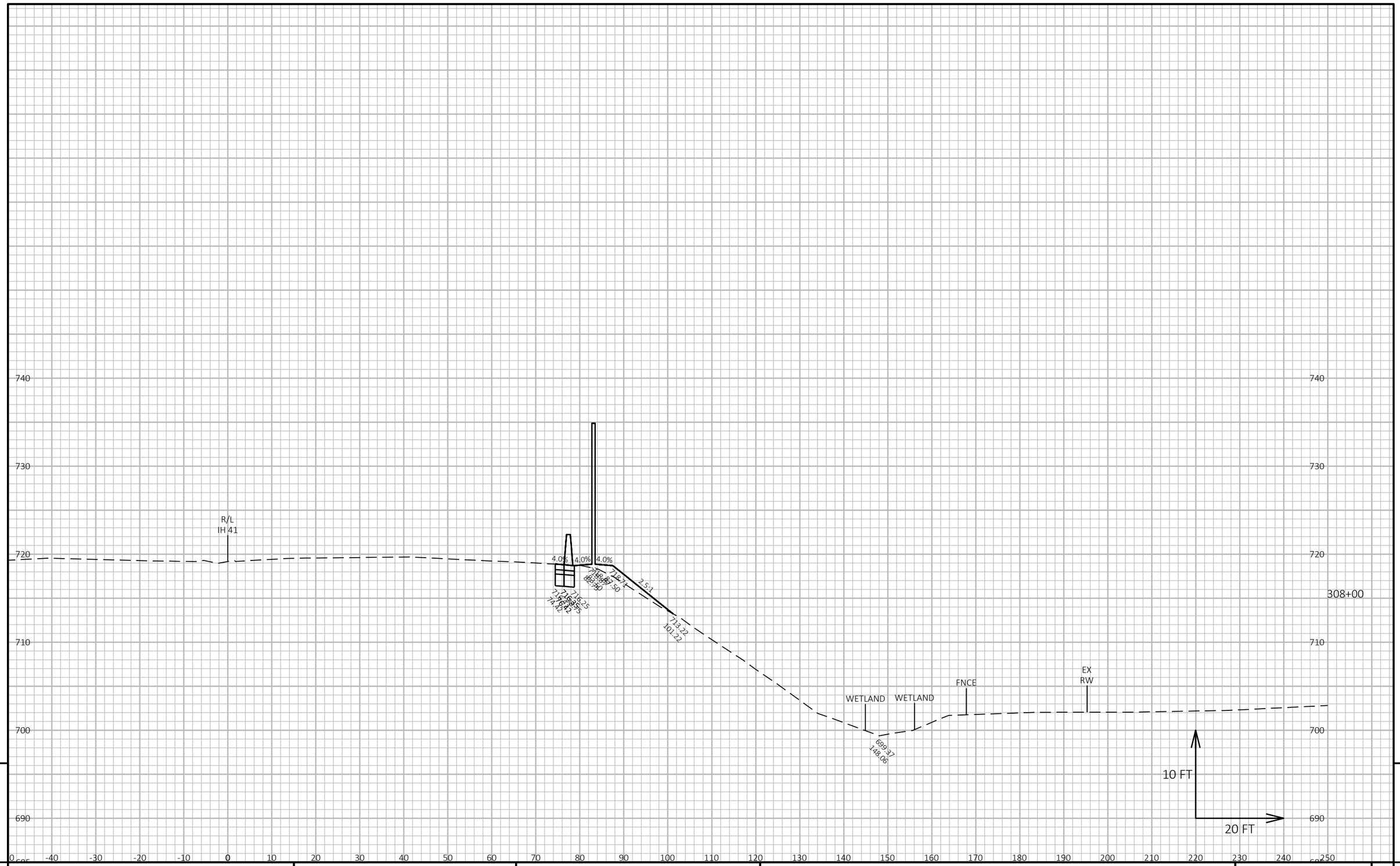
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PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: PROPOSED NOISE WALL N-40-XXX	SHEET PRE_397 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090213_XS NB NOISE WALL_CONCRETE BARRIER.DWG
LAYOUT NAME - 01

PLOT DATE : 9/10/2021 10:44 AM PLOT BY : SANTIAGO PEREZ, EDGA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

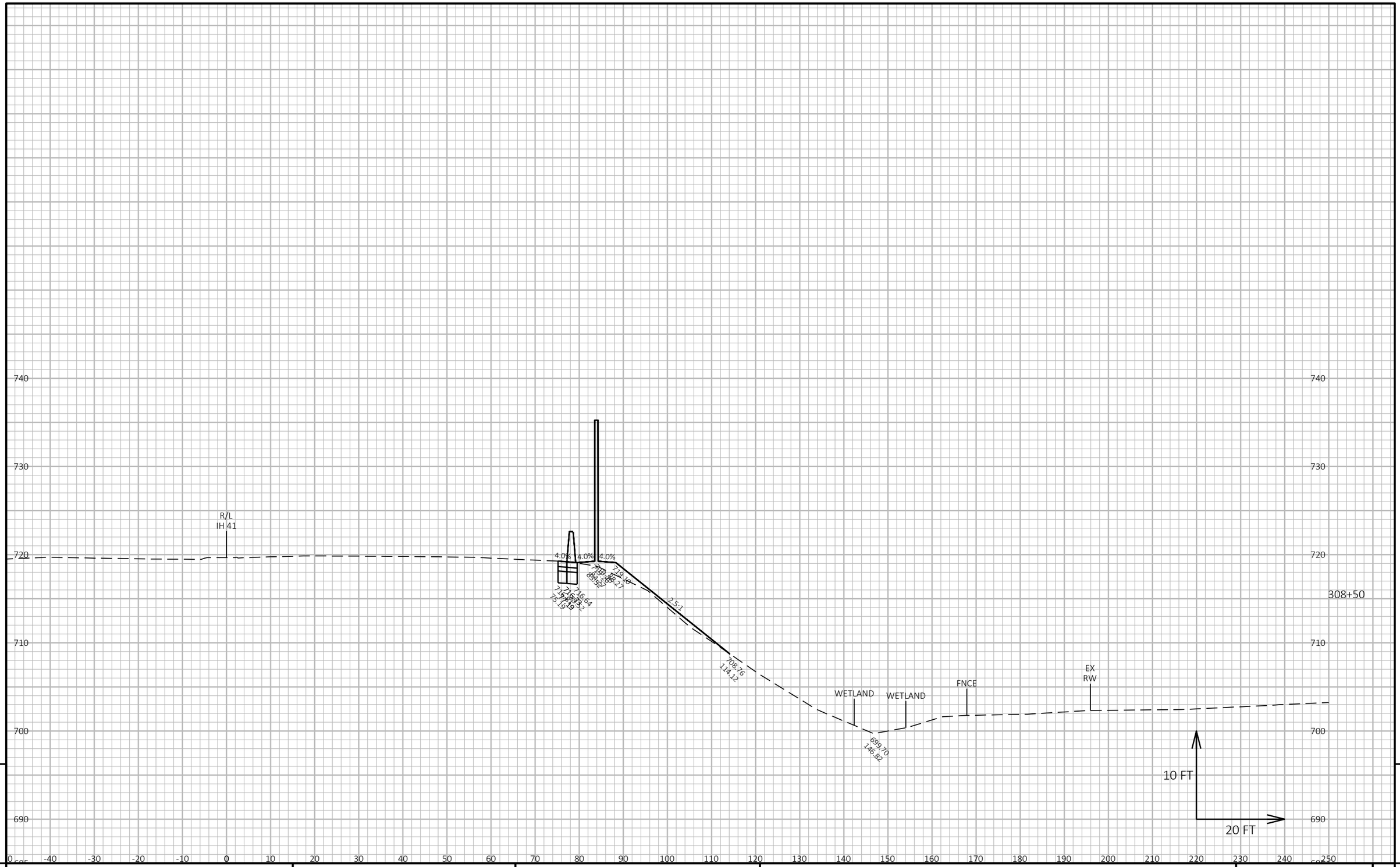
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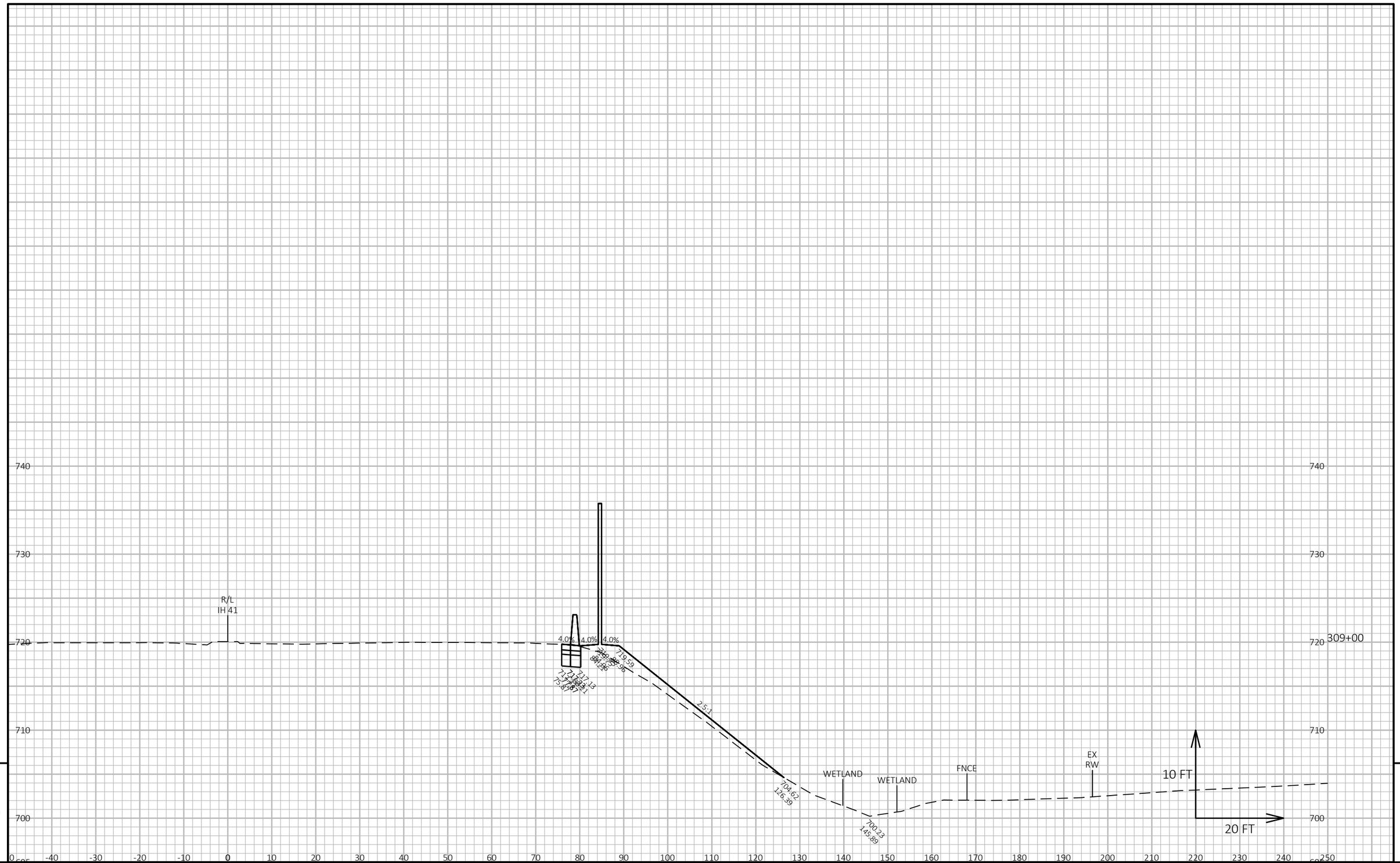
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: PROPOSED NOISE WALL N-40-XXX	SHEET E

PRE_398

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090213_XS NB NOISE WALL_CONCRETE BARRIER.DWG
LAYOUT NAME - 02

PLOT DATE : 9/10/2021 10:44 AM PLOT BY : SANTIAGO PEREZ, EDGA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.


740
730
720
710
700
690
R/L
IH 41
4.0%
4.0%
4.0%
719.49
716.64
715.32
715.19
715.19
715.19



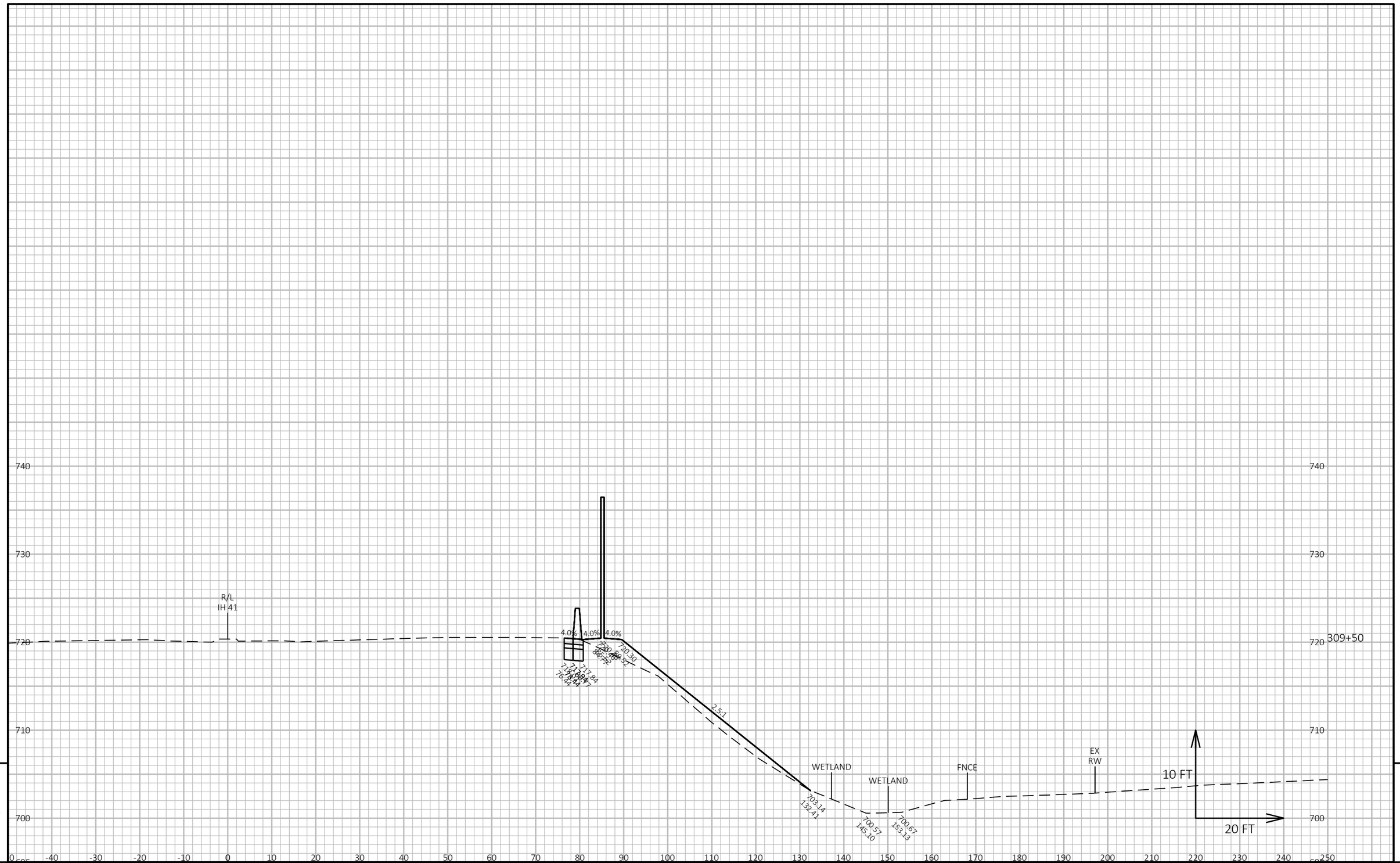
9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: PROPOSED NOISE WALL N-40-XXX	SHEET PRE_400 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090213_XS NB NOISE WALL_CONCRETE BARRIER.DWG
LAYOUT NAME - 04

PLOT DATE : 9/10/2021 10:45 AM PLOT BY : SANTIAGO PEREZ, EDGA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

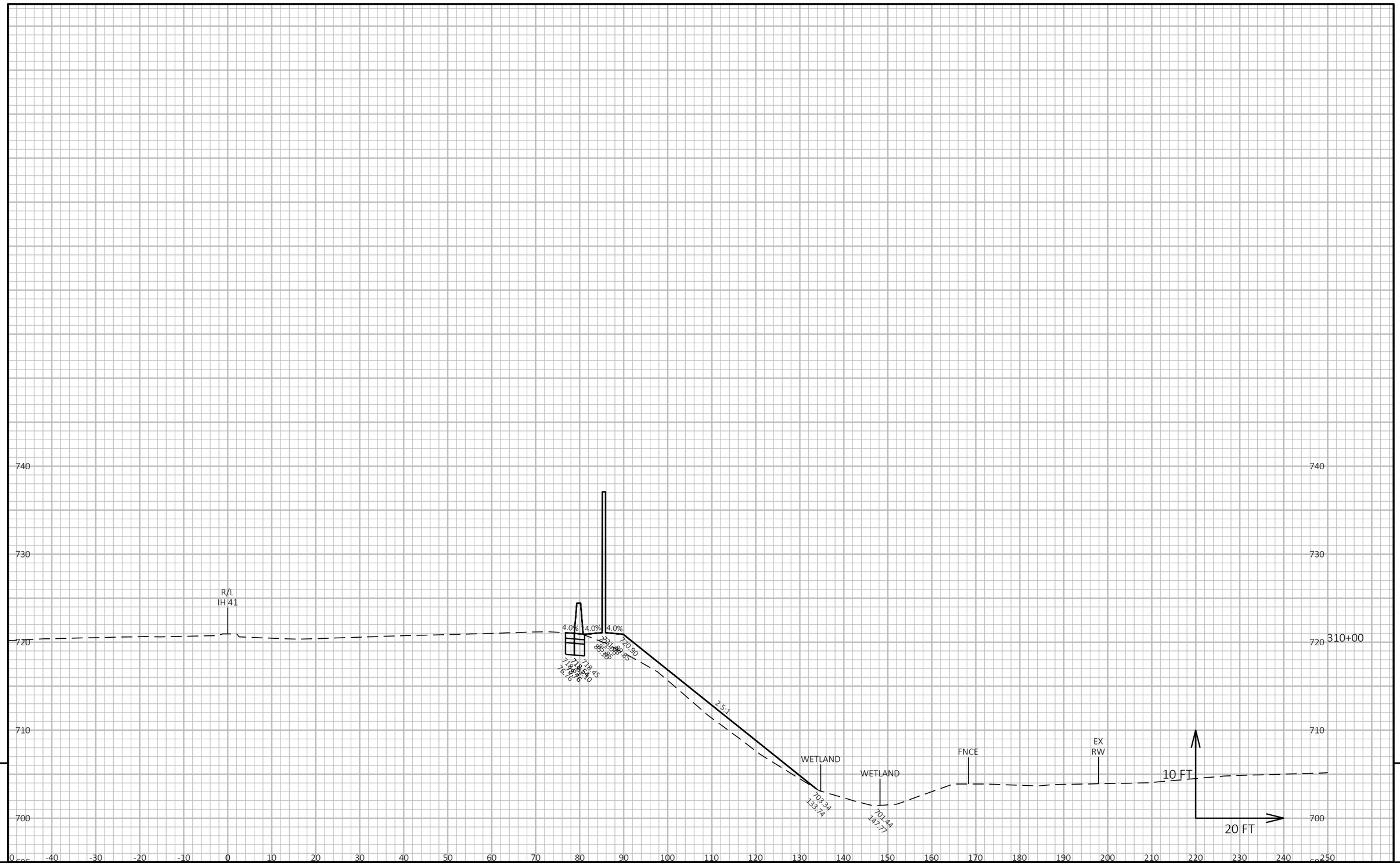


9 9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: PROPOSED NOISE WALL N-40-XXX	SHEET PRE_401 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090213_XS NB NOISE WALL_CONCRETE BARRIER.DWG
LAYOUT NAME - 05

PLOT DATE : 9/10/2021 10:45 AM PLOT BY : SANTIAGO PEREZ, EDGA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

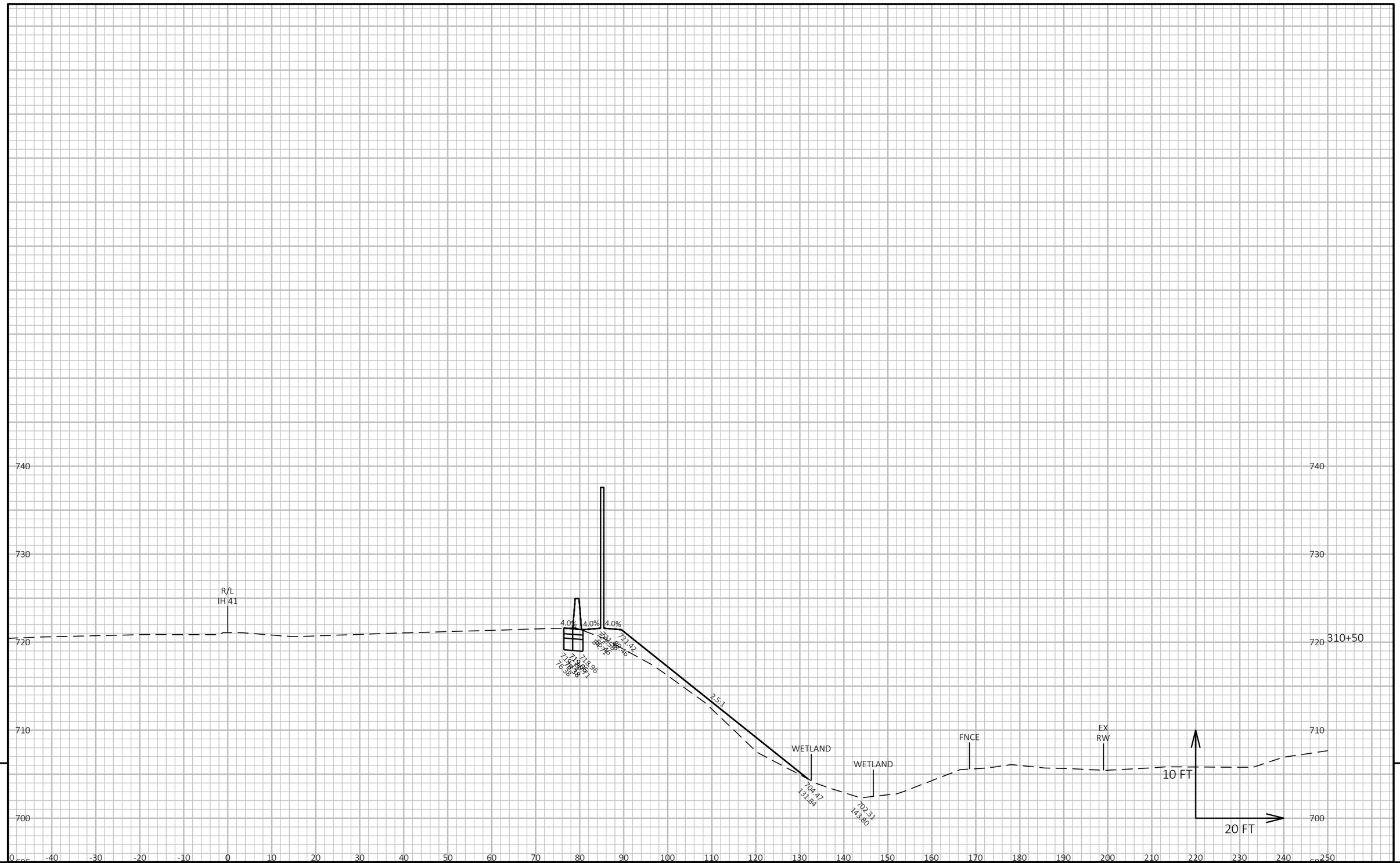


9 9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: PROPOSED NOISE WALL N-40-XXX	SHEET PRE_402 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090213_XS NB NOISE WALL_CONCRETE BARRIER.DWG
LAYOUT NAME - 06

PLOT DATE : 9/10/2021 10:45 AM PLOT BY : SANTIAGO PEREZ, EDGA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

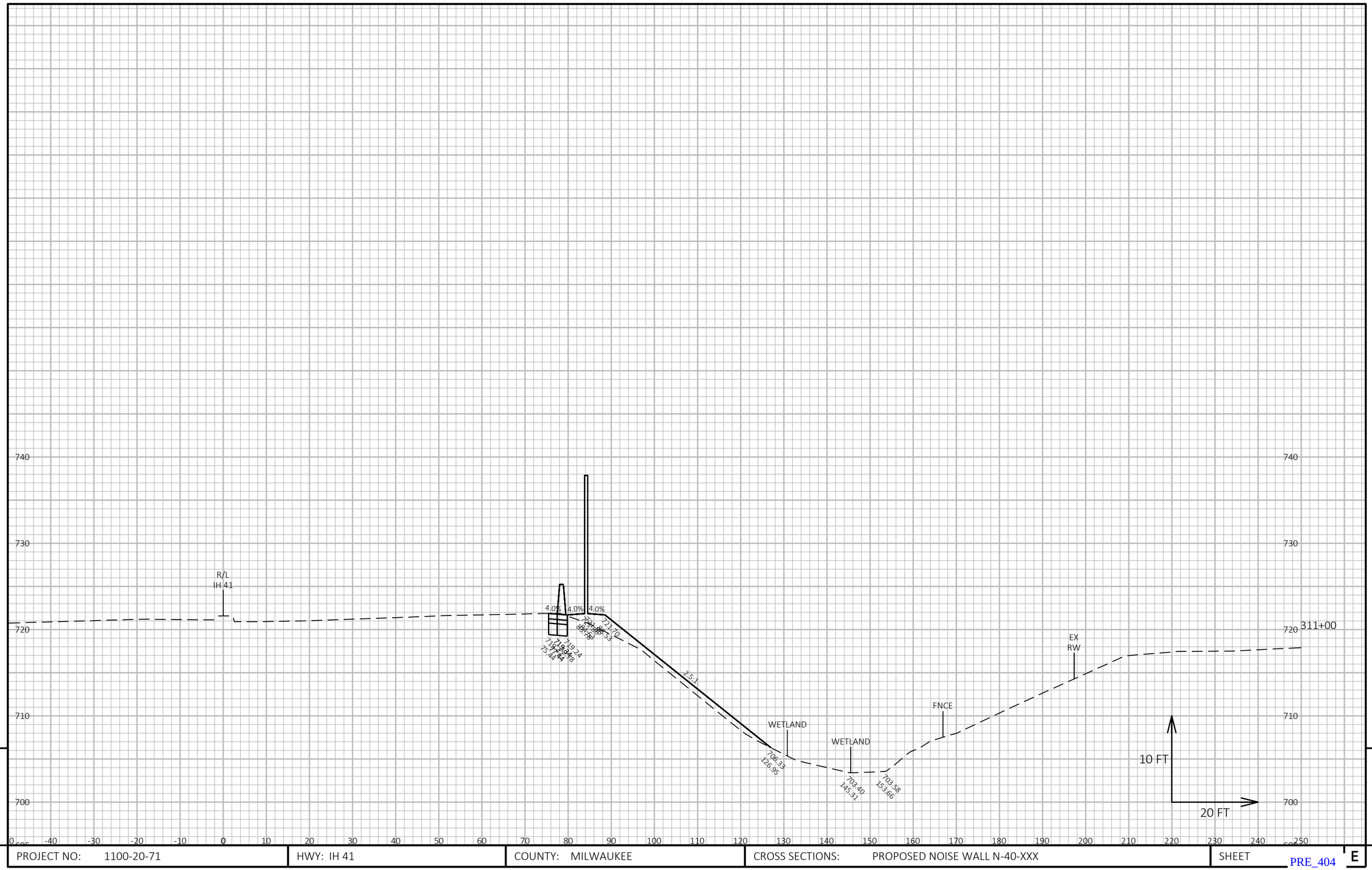


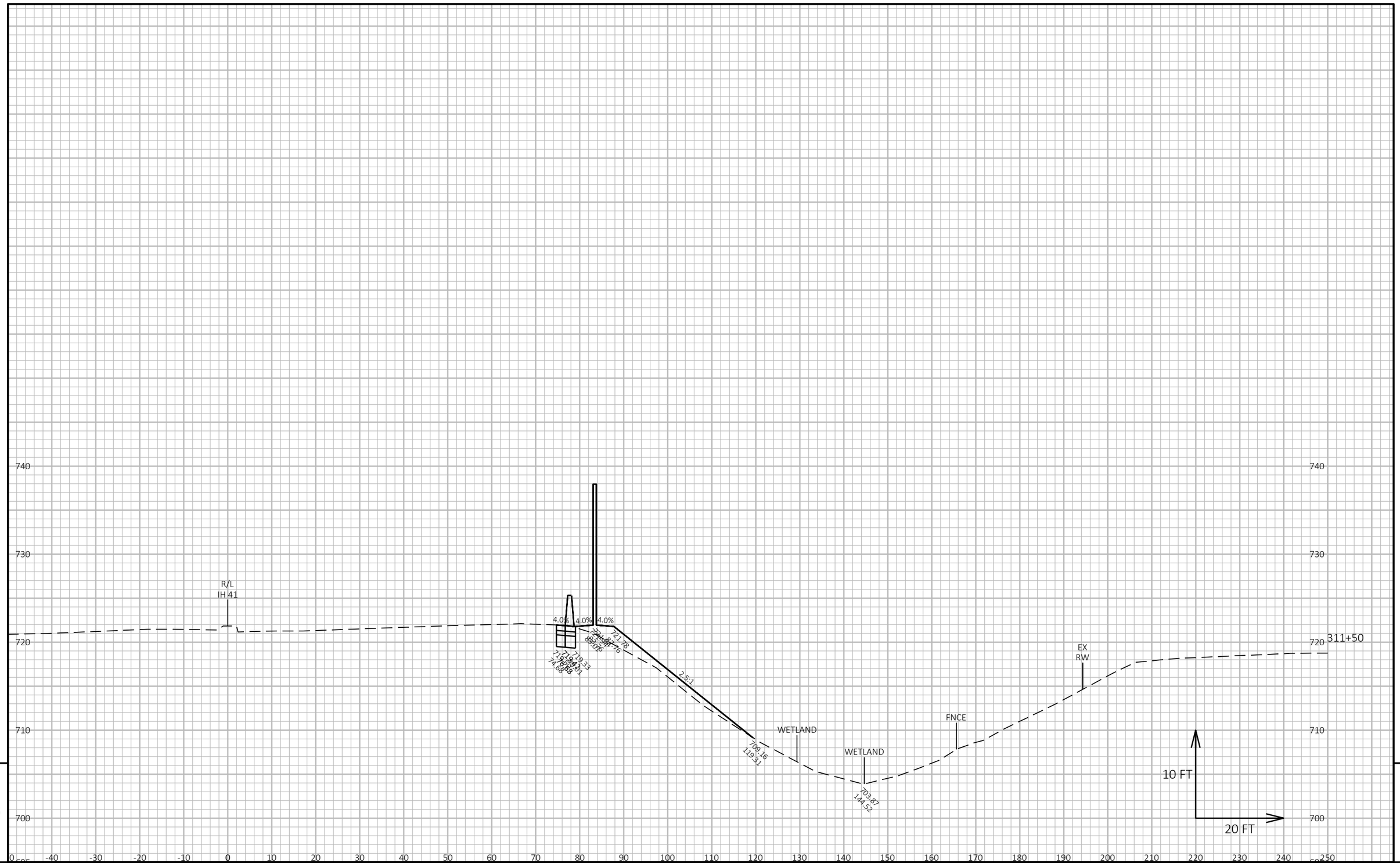
9 9

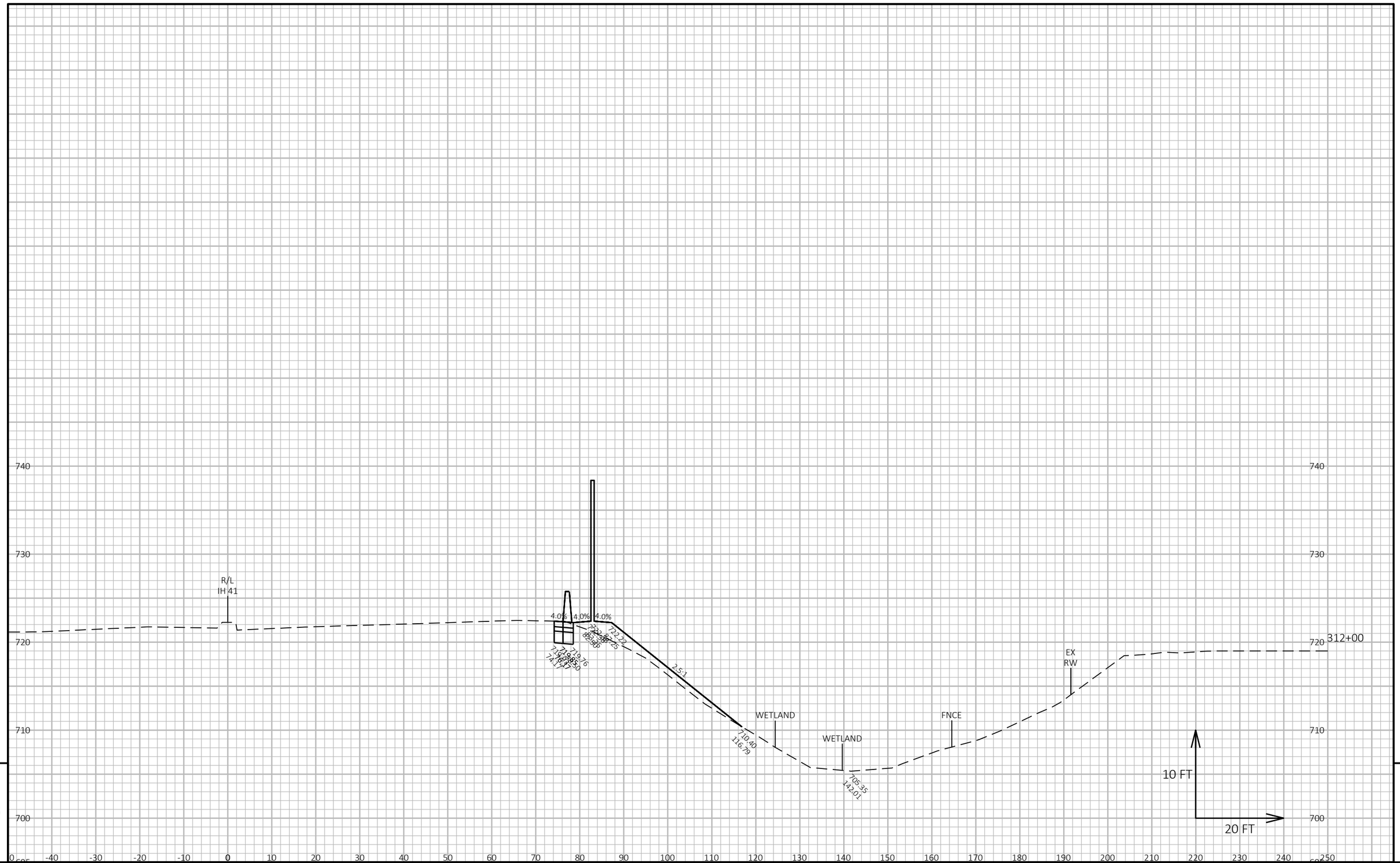
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: PROPOSED NOISE WALL N-40-XXX	SHEET PRE_403 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090213_XS NB NOISE WALL_CONCRETE BARRIER.DWG
LAYOUT NAME - 07

PLOT DATE : 9/10/2021 10:45 AM PLOT BY : SANTIAGO PEREZ, EDGA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.


740
730
720
710
700
R/L
IH 41
4.0%
4.0%
4.0%
719.24
719.70
719.53
719.18
719.04
719.04
719.04


740
730
720
710
700
R/L
IH 41
4.0%
4.0%
4.0%
719.33
719.41
719.76
719.78
719.86
719.87
719.95
720.06
720.07
720.16
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720.62

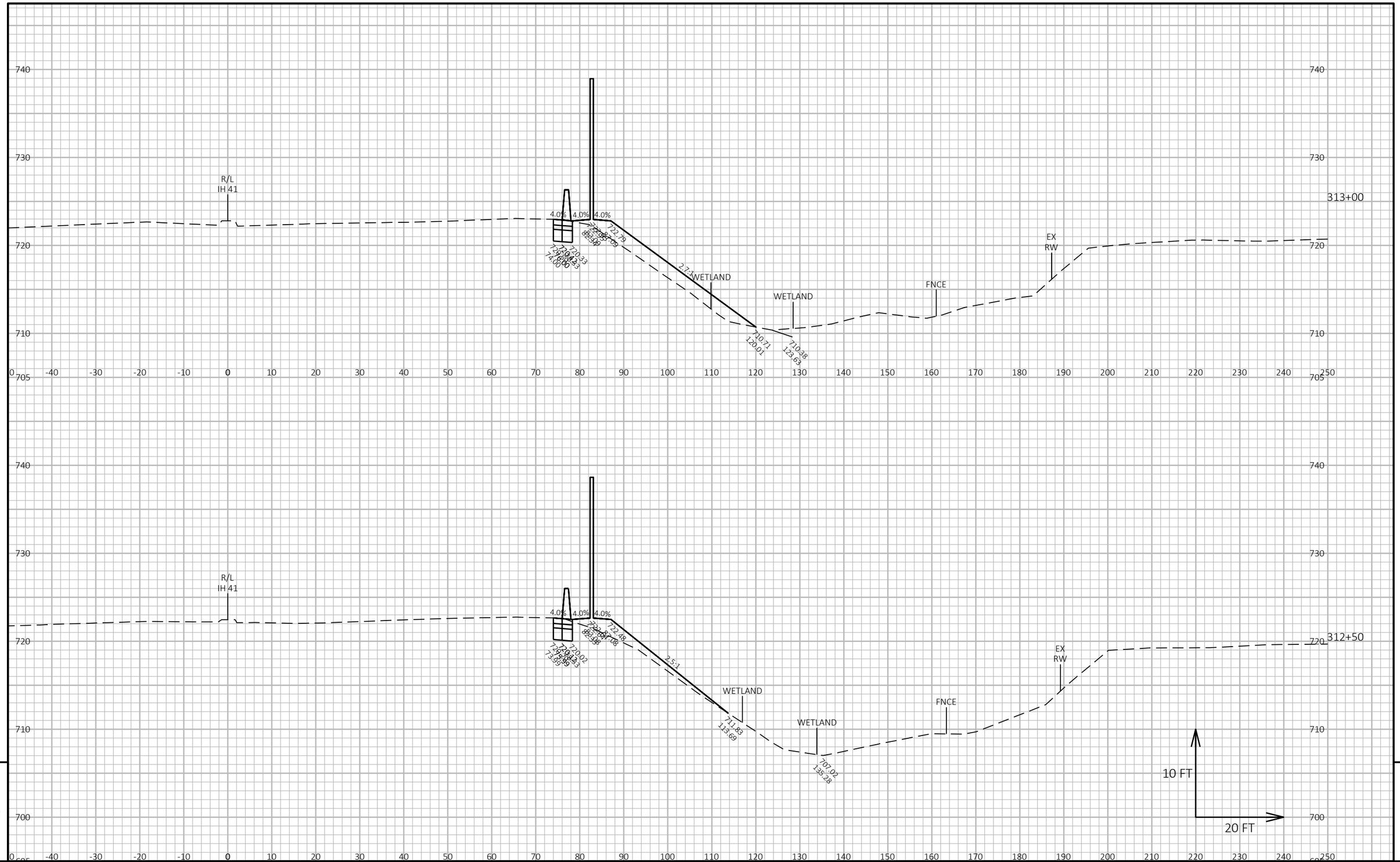


9 9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: PROPOSED NOISE WALL N-40-XXX	SHEET PRE_406 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090213_XS NB NOISE WALL_CONCRETE BARRIER.DWG
LAYOUT NAME - 10

PLOT DATE : 9/10/2021 10:45 AM PLOT BY : SANTIAGO PEREZ, EDGA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: PROPOSED NOISE WALL N-40-XXX	SHEET

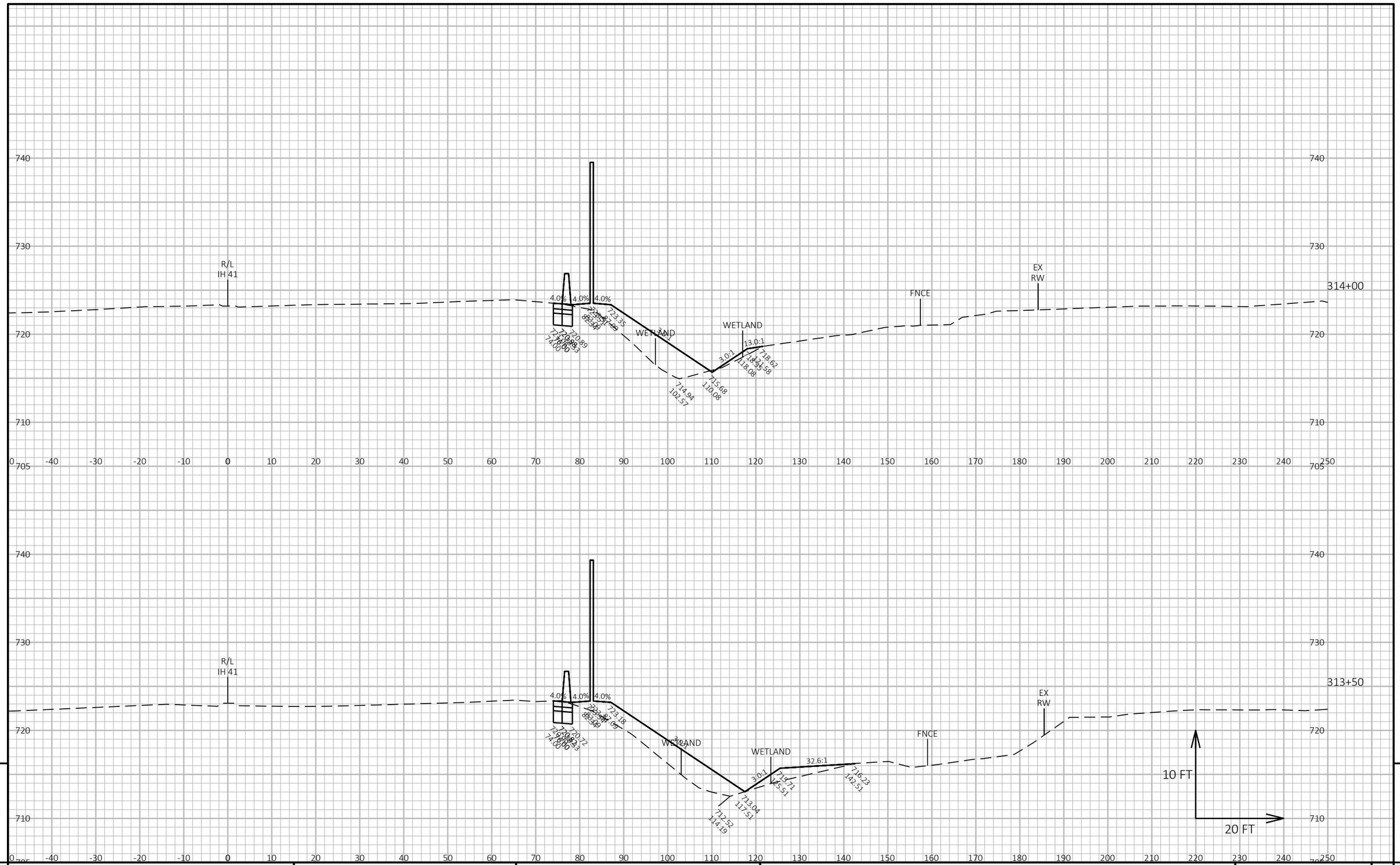
PRE_407

E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090213_XS NB NOISE WALL_CONCRETE BARRIER.DWG
LAYOUT NAME - 11

PLOT DATE : 9/10/2021 10:45 AM PLOT BY : SANTIAGO PEREZ, EDGA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



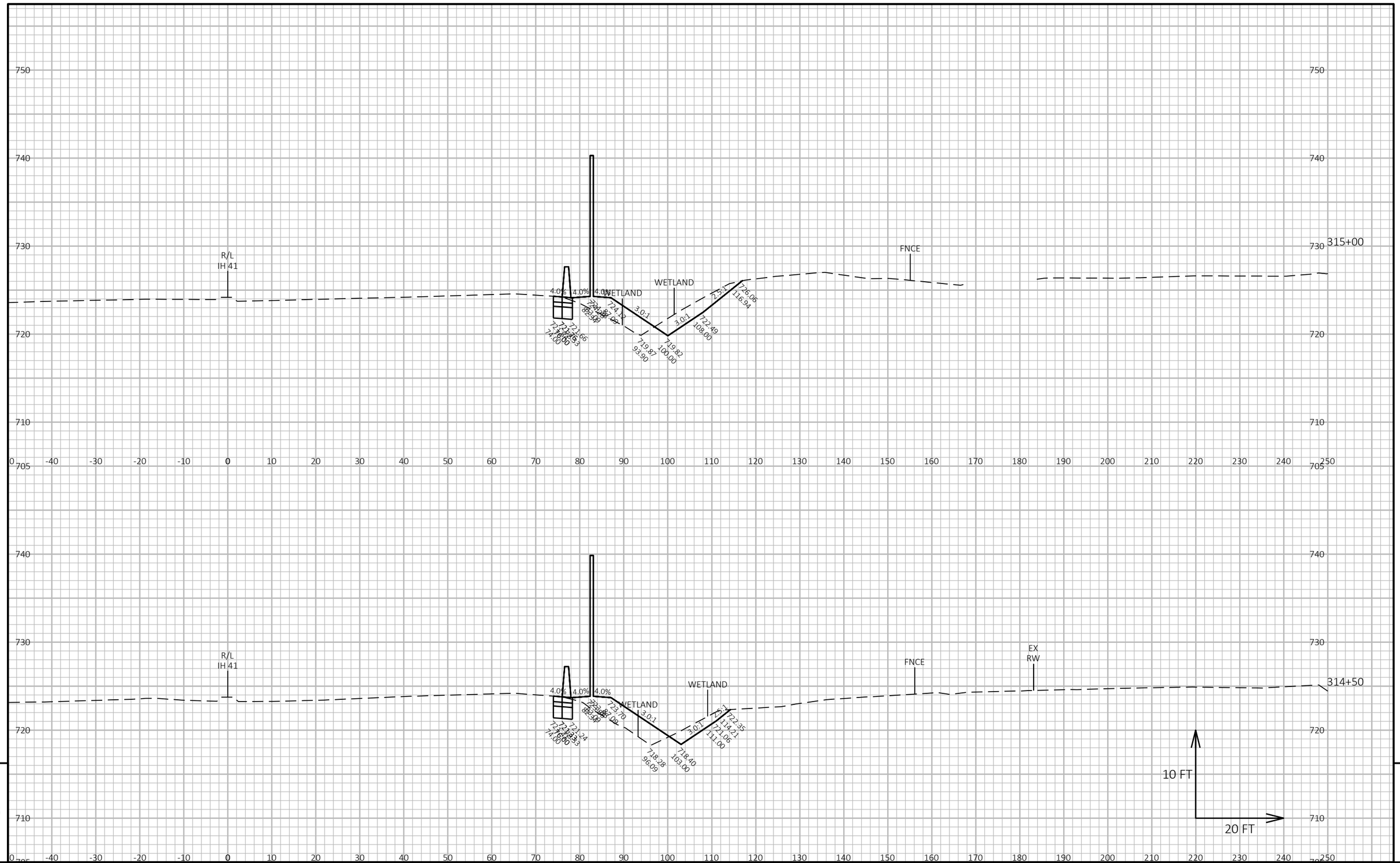
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: PROPOSED NOISE WALL N-40-XXX	SHEET E

PRE_408

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090213_XS NB NOISE WALL_CONCRETE BARRIER.DWG
LAYOUT NAME - 12

PLOT DATE : 9/10/2021 10:45 AM PLOT BY : SANTIAGO PEREZ, EDGA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

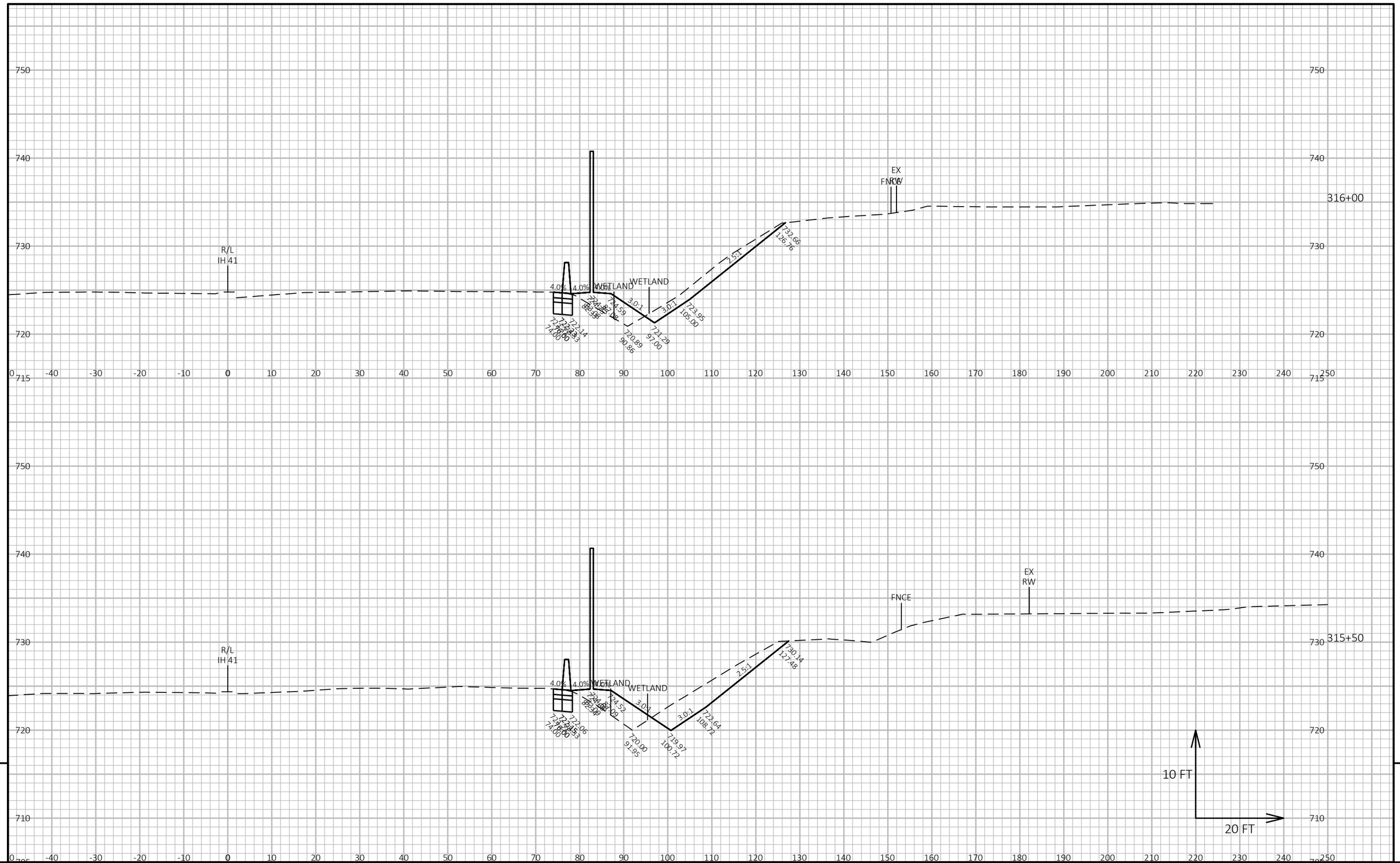


PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: PROPOSED NOISE WALL N-40-XXX	SHEET PRE_409 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090213_XS NB NOISE WALL_CONCRETE BARRIER.DWG
LAYOUT NAME - 13

PLOT DATE : 9/10/2021 10:45 AM PLOT BY : SANTIAGO PEREZ, EDGA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



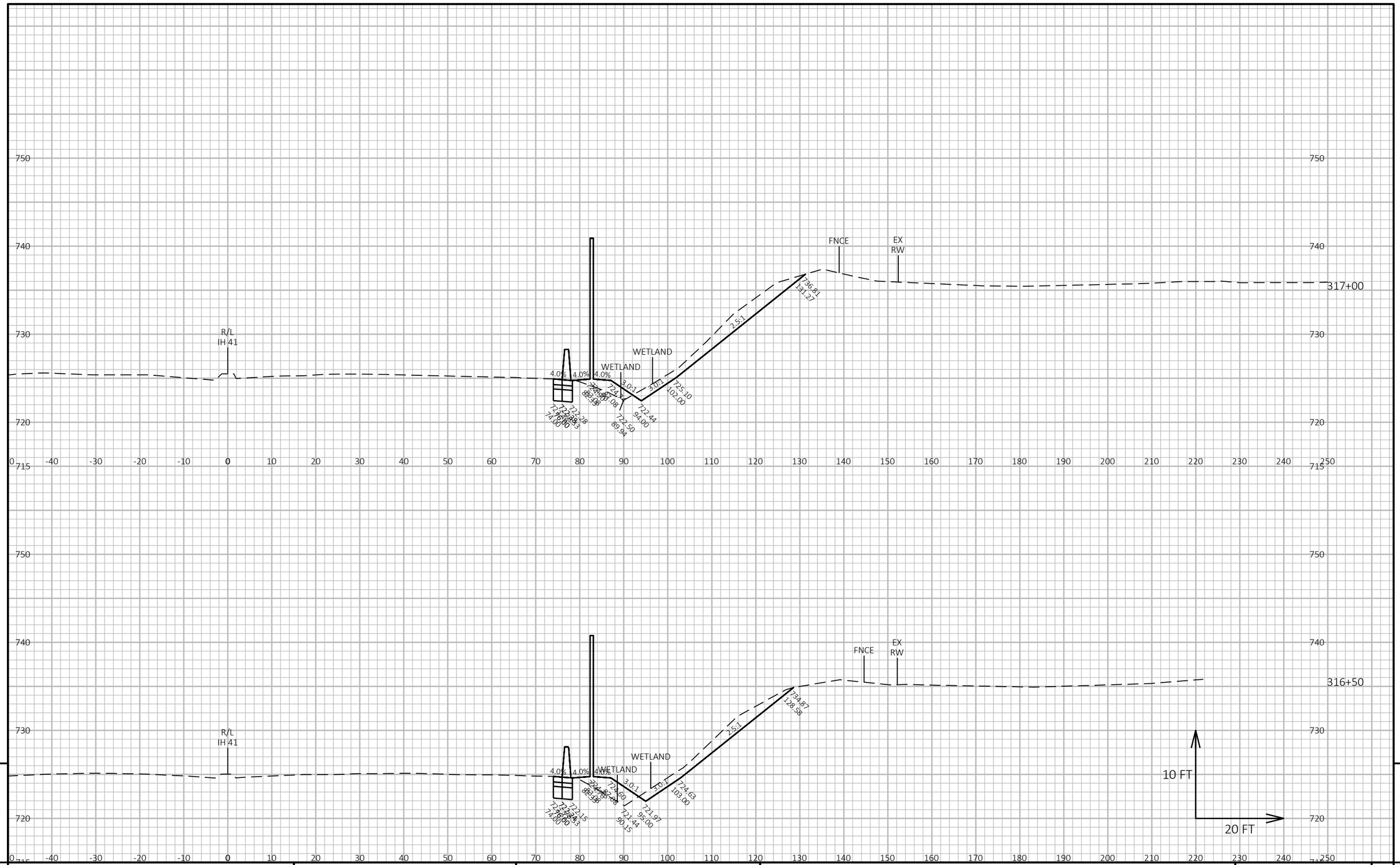
9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: PROPOSED NOISE WALL N-40-XXX	SHEET PRE_410 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090213_XS NB NOISE WALL_CONCRETE BARRIER.DWG
LAYOUT NAME - 14

PLOT DATE : 9/10/2021 10:45 AM PLOT BY : SANTIAGO PEREZ, EDGA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



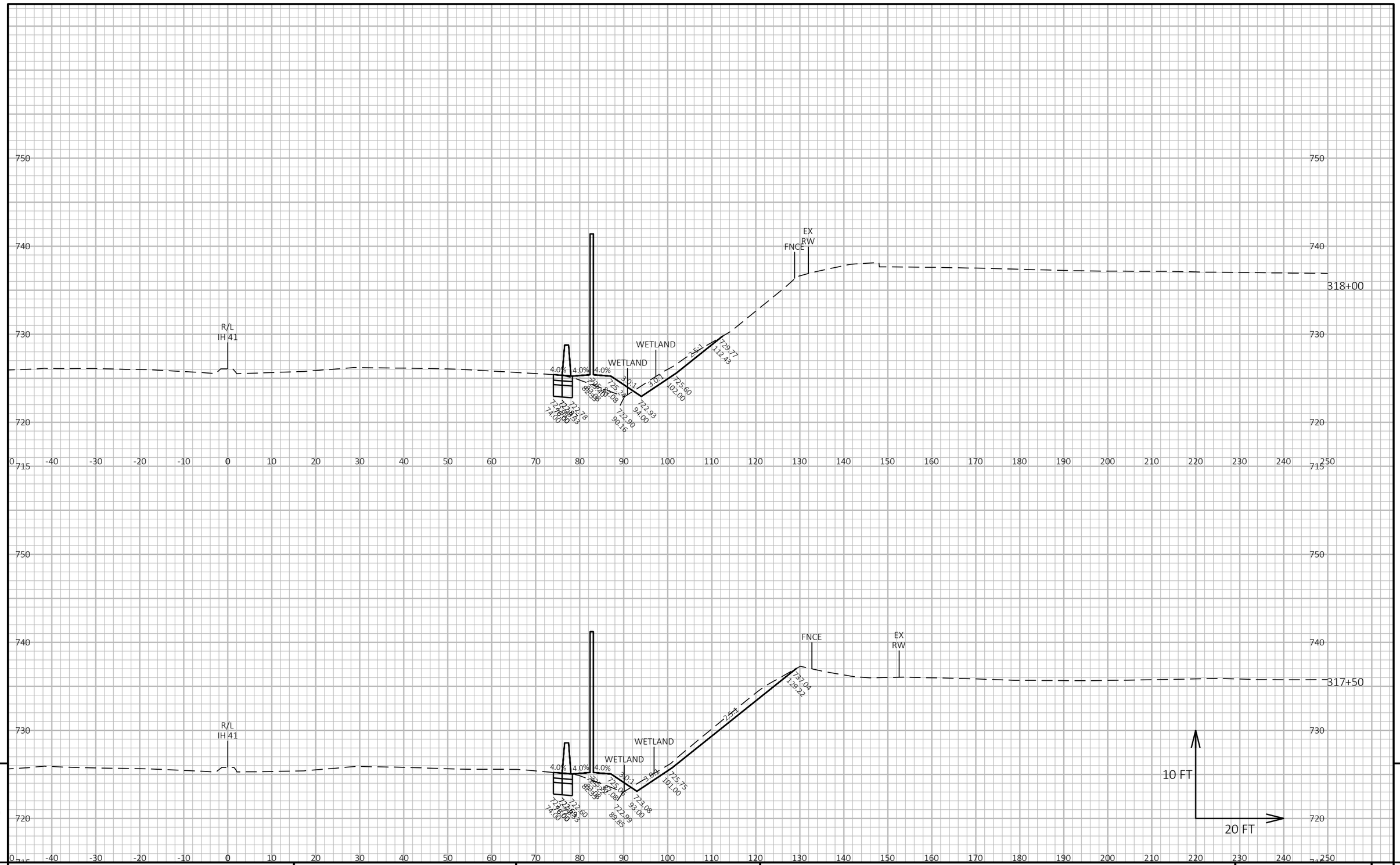
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: PROPOSED NOISE WALL N-40-XXX	SHEET PRE_411 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090213_XS NB NOISE WALL_CONCRETE BARRIER.DWG
LAYOUT NAME - 15

PLOT DATE : 9/10/2021 10:45 AM PLOT BY : SANTIAGO PEREZ, EDGA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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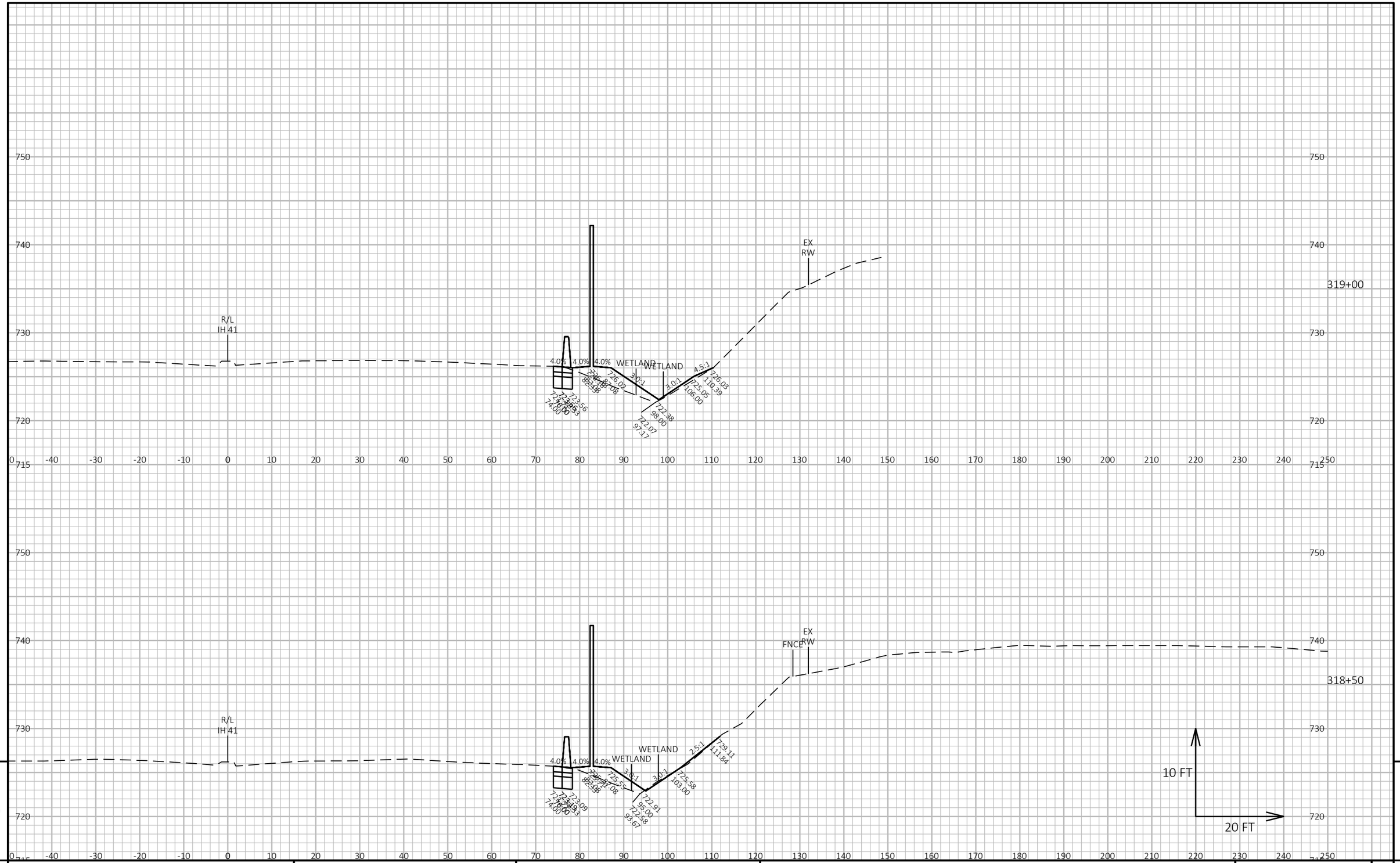
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: PROPOSED NOISE WALL N-40-XXX	SHEET	E

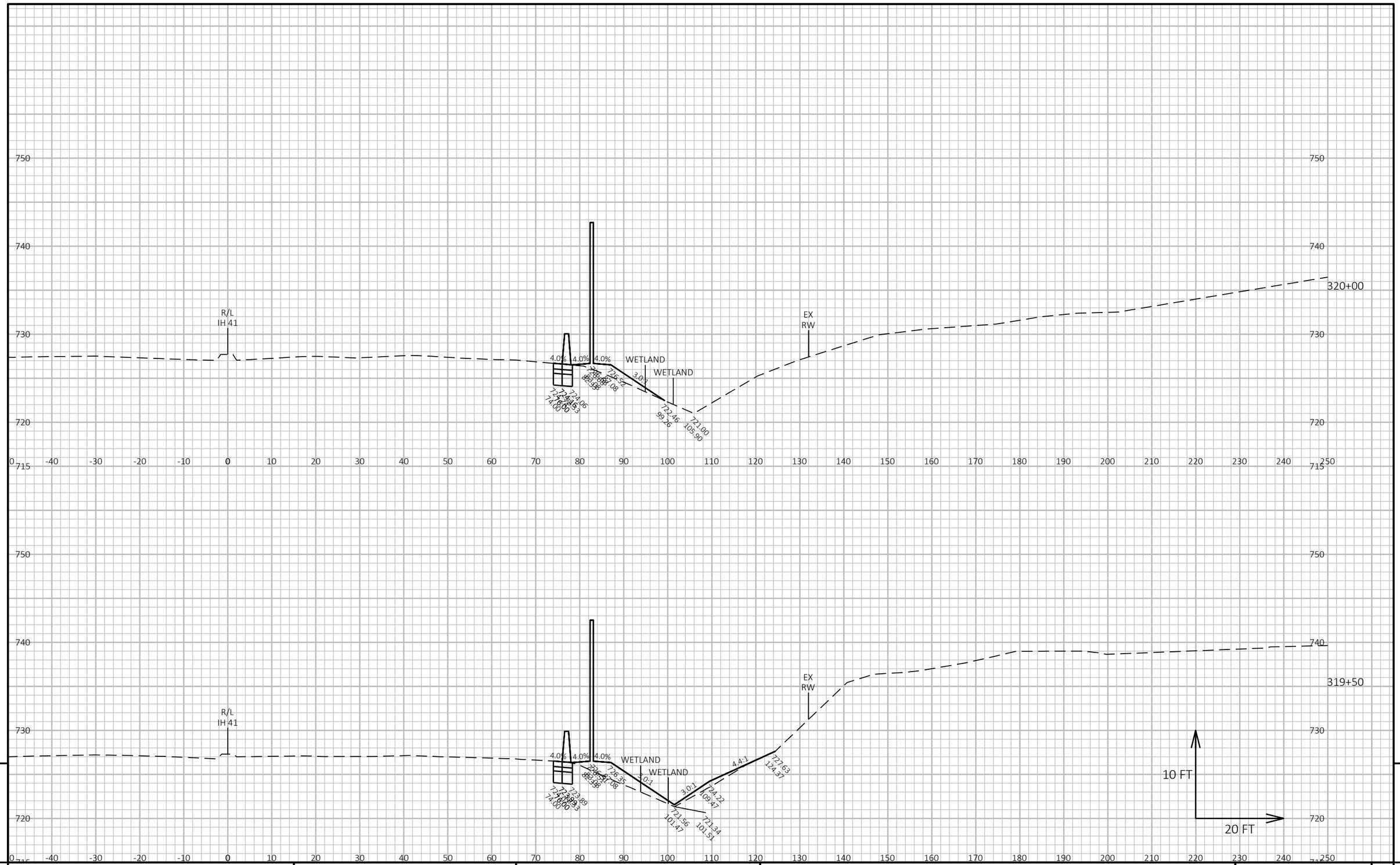
PRE_412

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090213_XS NB NOISE WALL_CONCRETE BARRIER.DWG
LAYOUT NAME - 16

PLOT DATE : 9/10/2021 10:45 AM PLOT BY : SANTIAGO PEREZ, EDGA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49


319+00
R/L
IH 41
EX
RW
4.0%
4.0%
4.0%
WETLAND
WETLAND
3.0:1
3.0:1
4.5:1
2.5:1
726.03
110.39
725.05
106.00
722.38
98.00
722.07
97.17
722.56
722.56
722.56



9

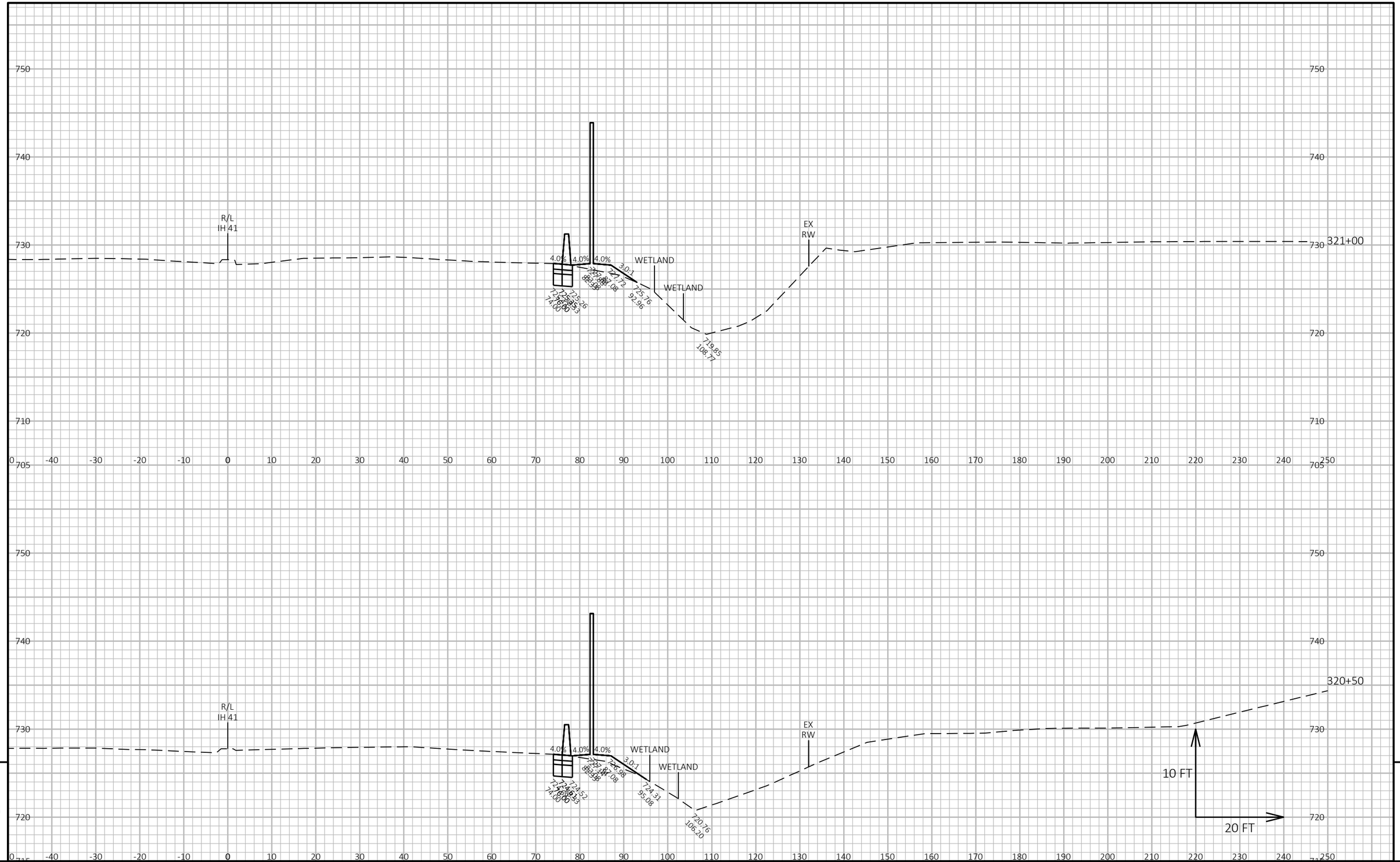
9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: PROPOSED NOISE WALL N-40-XXX	SHEET PRE_414 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090213_XS NB NOISE WALL_CONCRETE BARRIER.DWG
LAYOUT NAME - 18

PLOT DATE : 9/10/2021 10:45 AM PLOT BY : SANTIAGO PEREZ, EDGA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

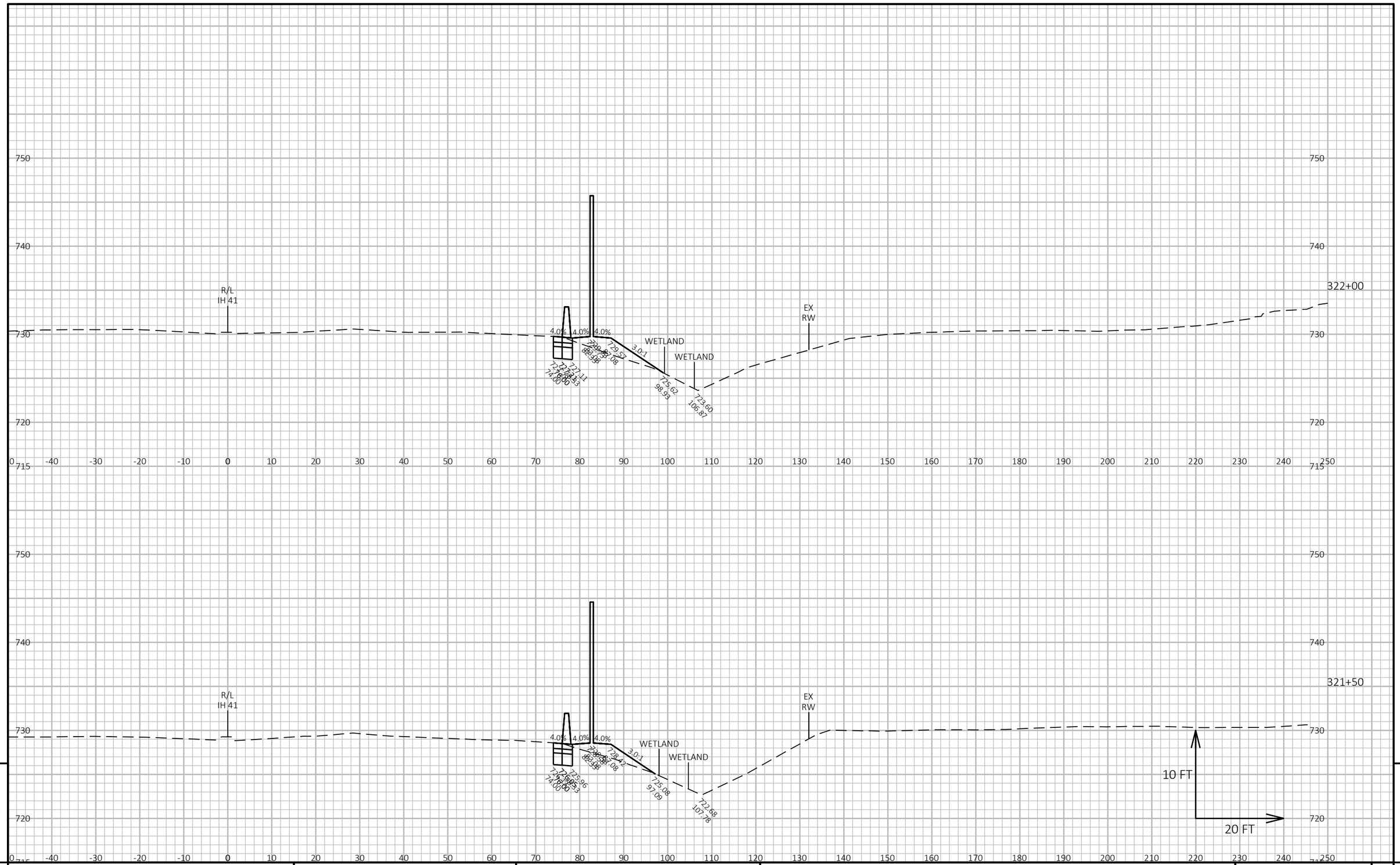
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: PROPOSED NOISE WALL N-40-XXX	SHEET	E

PRE_415

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090213_XS NB NOISE WALL_CONCRETE BARRIER.DWG
LAYOUT NAME - 19

PLOT DATE : 9/10/2021 10:45 AM PLOT BY : SANTIAGO PEREZ, EDGA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

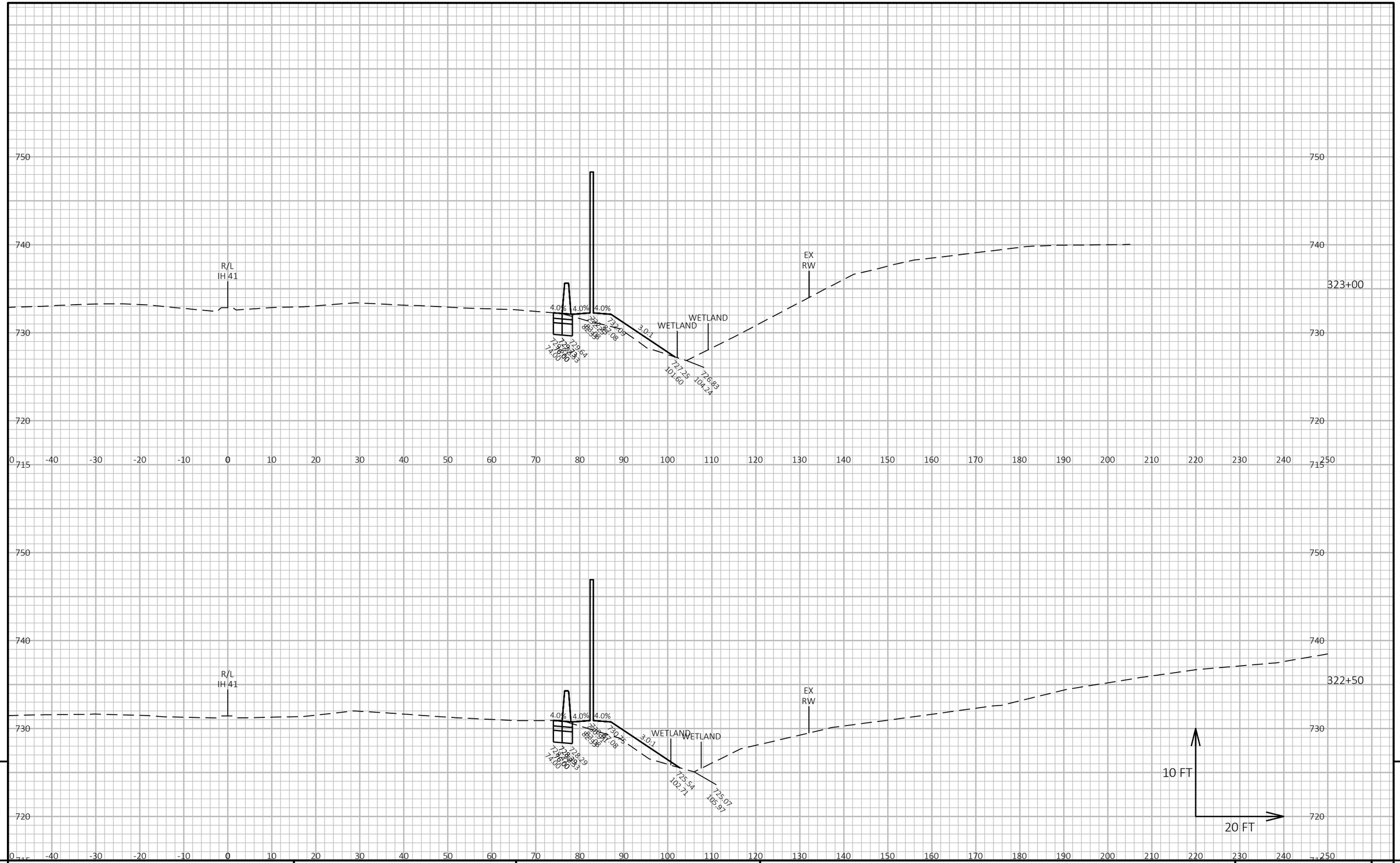
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PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: PROPOSED NOISE WALL N-40-XXX	SHEET E

PRE_416

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090213_XS NB NOISE WALL_CONCRETE BARRIER.DWG
LAYOUT NAME - 20

PLOT DATE : 9/10/2021 10:45 AM PLOT BY : SANTIAGO PEREZ, EDGA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: PROPOSED NOISE WALL N-40-XXX	SHEET E

PRE_417

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090213_XS NB NOISE WALL_CONCRETE BARRIER.DWG
LAYOUT NAME - 21

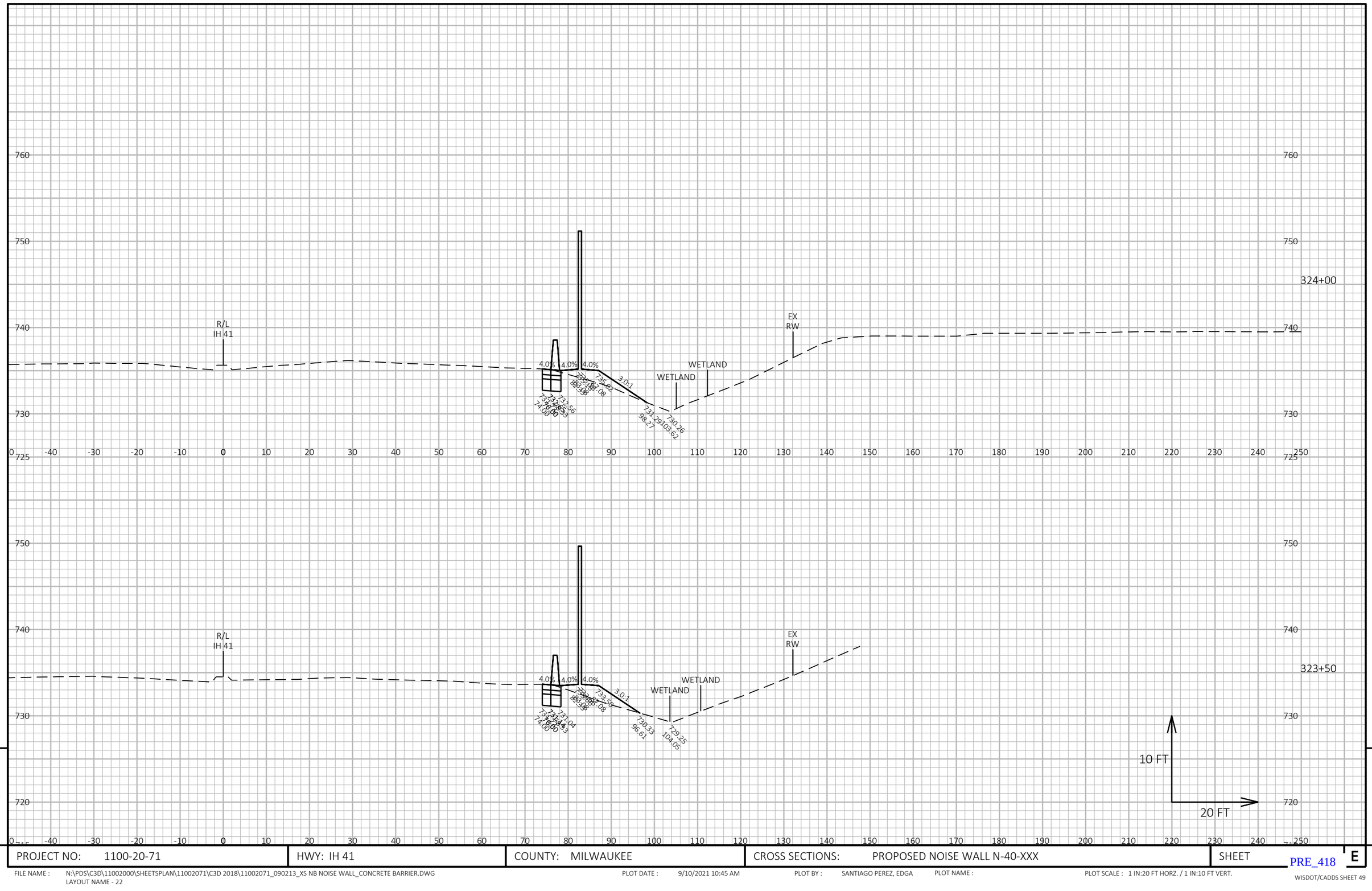
PLOT DATE : 9/10/2021 10:45 AM

PLOT BY : SANTIAGO PEREZ, EDGA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: PROPOSED NOISE WALL N-40-XXX	SHEET

PRE_418

E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090213_XS NB NOISE WALL_CONCRETE BARRIER.DWG
LAYOUT NAME - 22

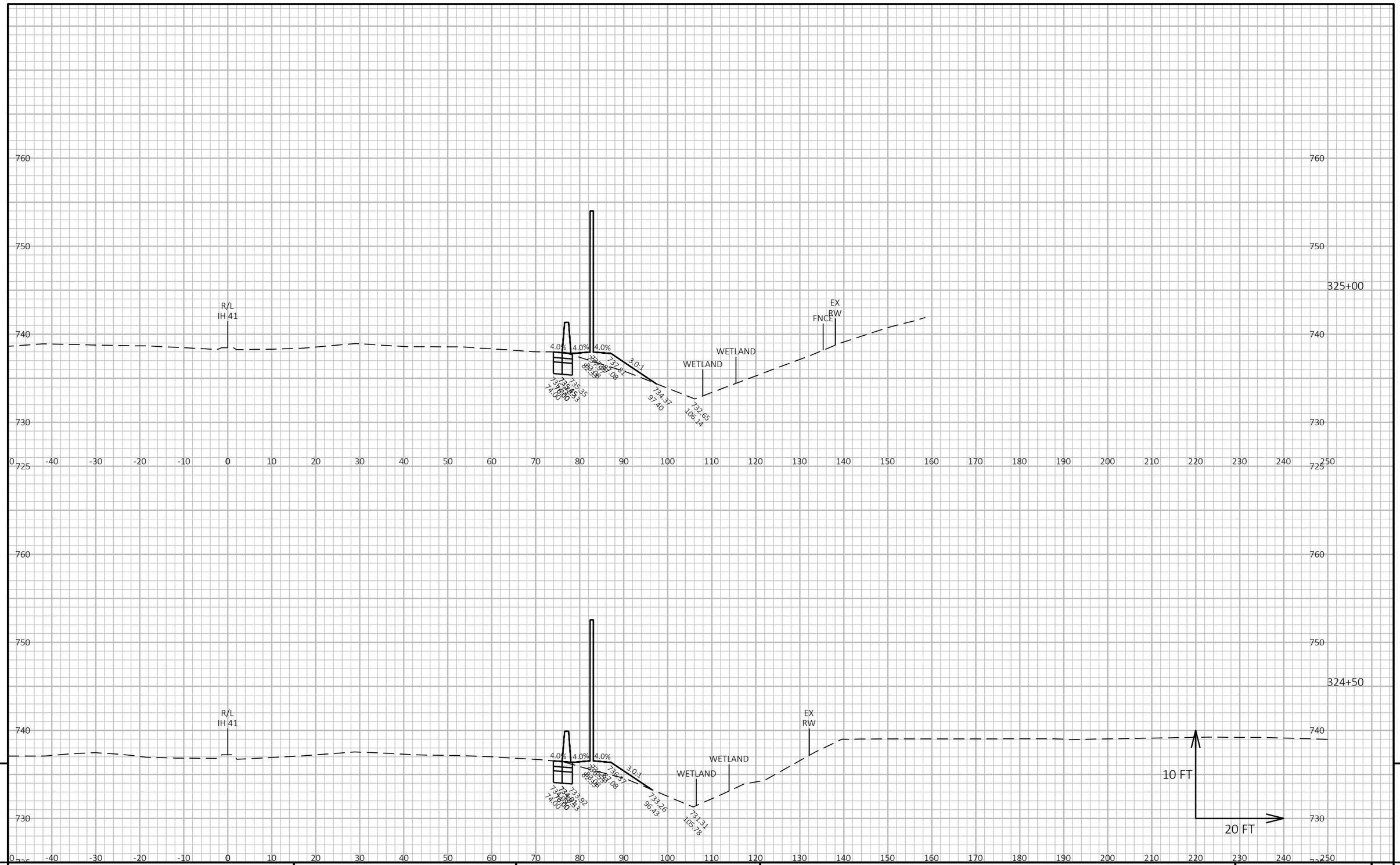
PLOT DATE : 9/10/2021 10:45 AM

PLOT BY : SANTIAGO PEREZ, EDGA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

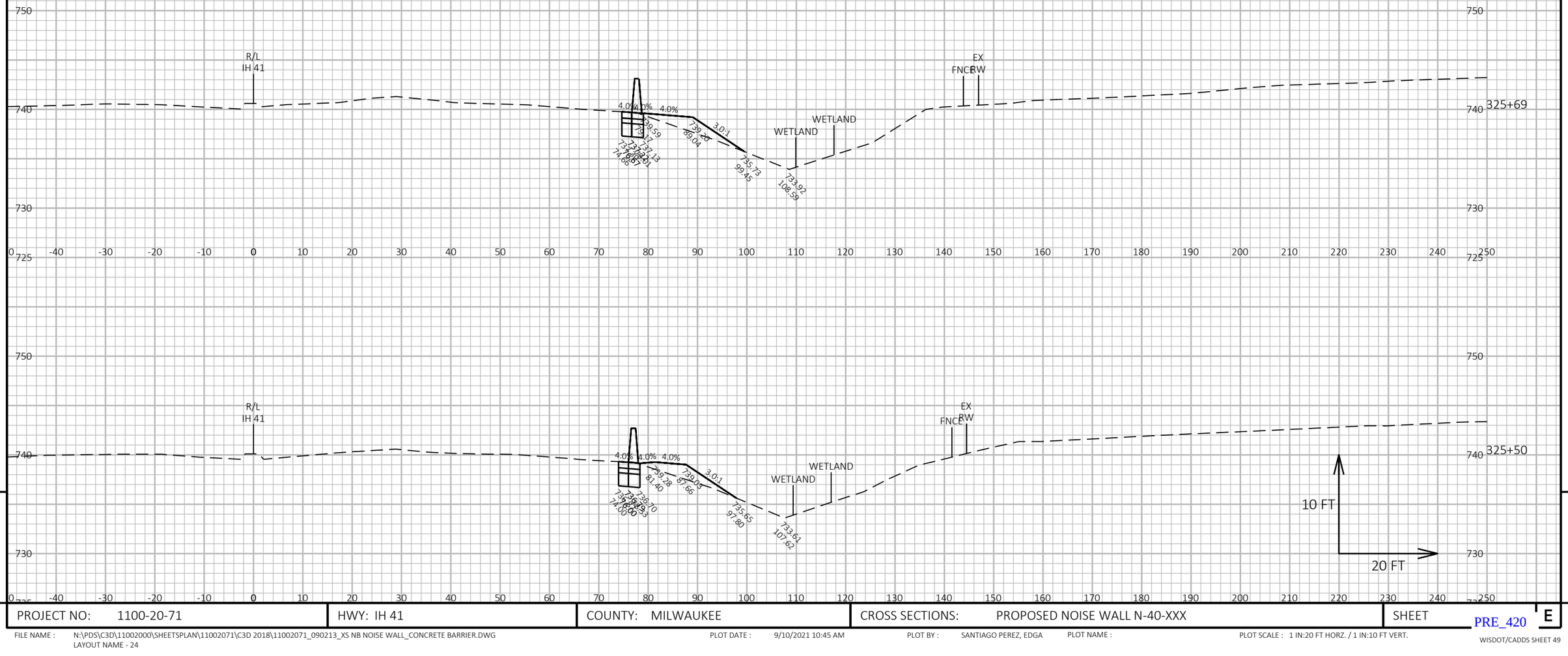
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PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: PROPOSED NOISE WALL N-40-XXX	SHEET E

PRE_419

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090213_XS NB NOISE WALL_CONCRETE BARRIER.DWG
LAYOUT NAME - 23

PLOT DATE : 9/10/2021 10:45 AM PLOT BY : SANTIAGO PEREZ, EDGA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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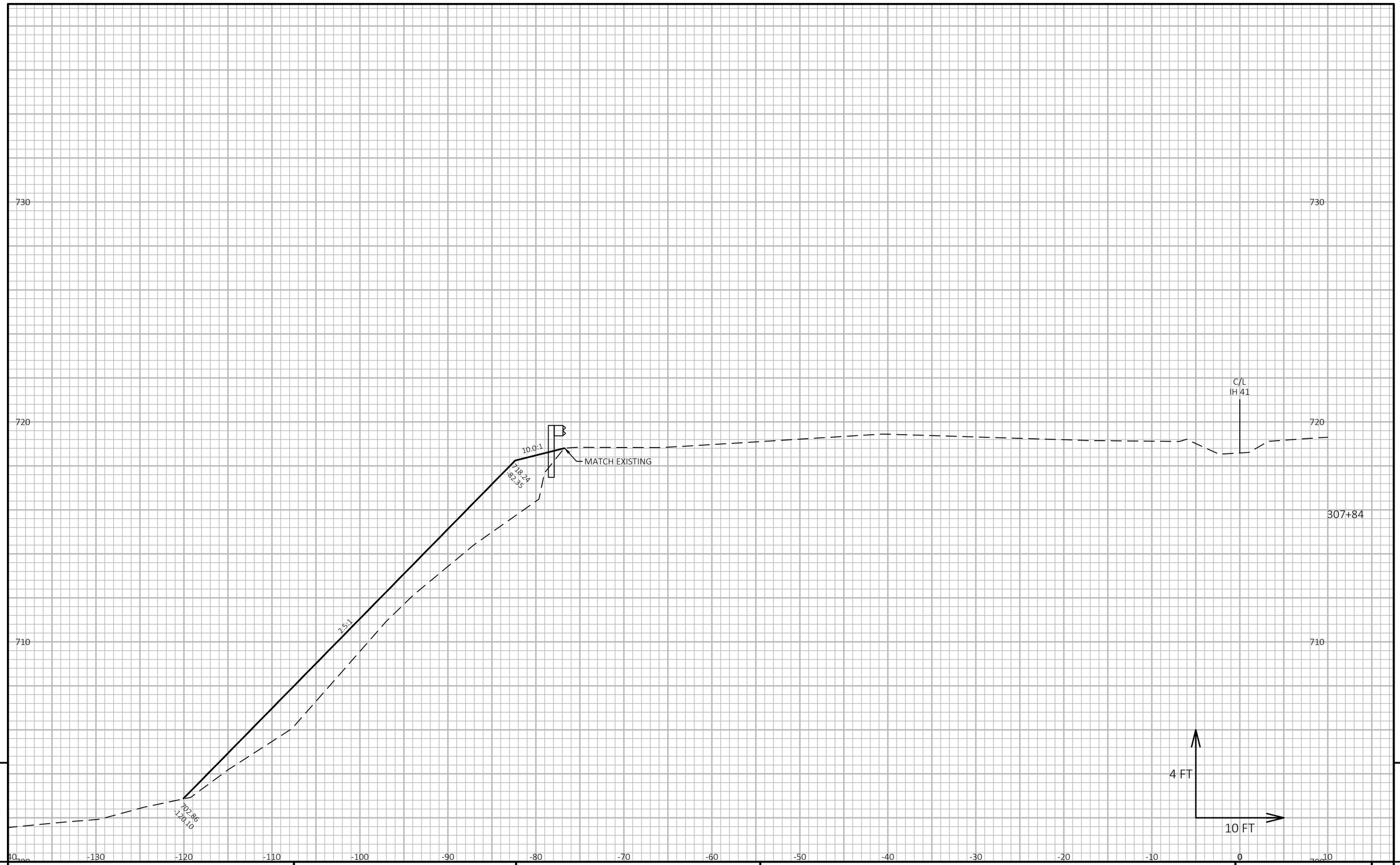
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: PROPOSED NOISE WALL N-40-XXX	SHEET E

PRE_420

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090213_XS NB NOISE WALL_CONCRETE BARRIER.DWG
LAYOUT NAME - 24

PLOT DATE : 9/10/2021 10:45 AM PLOT BY : SANTIAGO PEREZ, EDGA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 307+84, R/L IH 41	SHEET E

PRE_421

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090208_XS SB BG NEAR 307+84.DWG
LAYOUT NAME - 090201_XS

PLOT DATE : 8/23/2021 11:07 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

C/L
IH 41

MATCH EXISTING

10.0:1

2.6:1

715.52
89.89

718.38
82.39

308+00

4 FT

10 FT

-140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 307+84, R/L IH 41	SHEET E

PRE_422

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090208_XS SB BG NEAR 307+84.DWG
LAYOUT NAME - 090202_XS

PLOT DATE : 8/23/2021 11:08 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

C/L
IH 41

MATCH EXISTING

718.39
-82.35

716.80
-87.68

308+50

4 FT

10 FT

-140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10

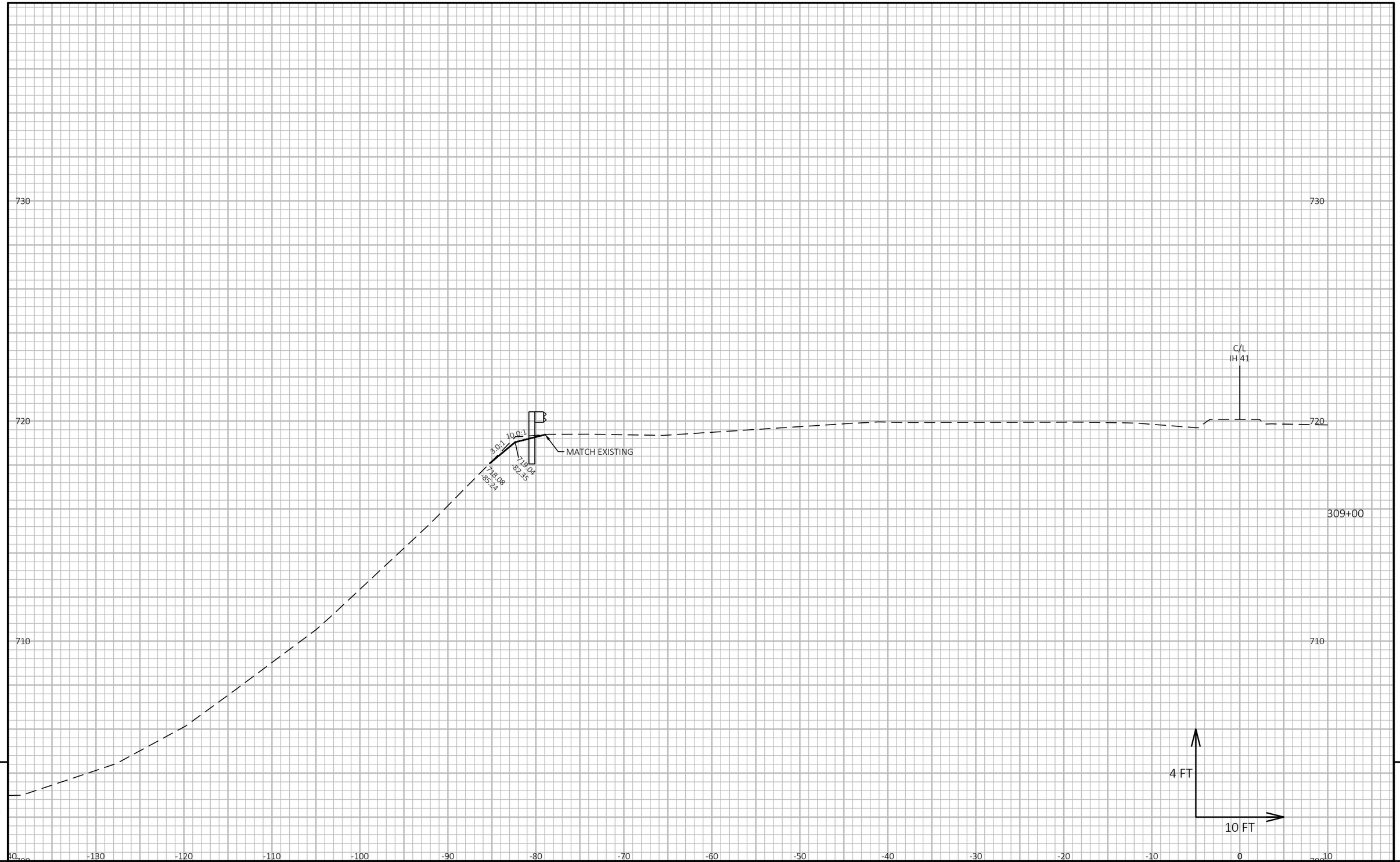
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PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 307+84, R/L IH 41	SHEET E

PRE_423

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090208_XS SB BG NEAR 307+84.DWG
LAYOUT NAME - 090203_XS

PLOT DATE : 8/23/2021 11:08 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.



9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 307+84, R/L IH 41	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090208_XS SB BG NEAR 307+84.DWG
LAYOUT NAME - 090204_XS

PLOT DATE : 8/23/2021 11:09 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_424

WISDOT/CADDS SHEET 49

730

720

710

C/L
IH 41

MATCH EXISTING

3.5:1
3.5:1
3.5:1
3.5:1

716.68
716.38
716.24
-90.94

718.88
718.88
718.88
-82.35

309+50

4 FT

10 FT

-140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10

9

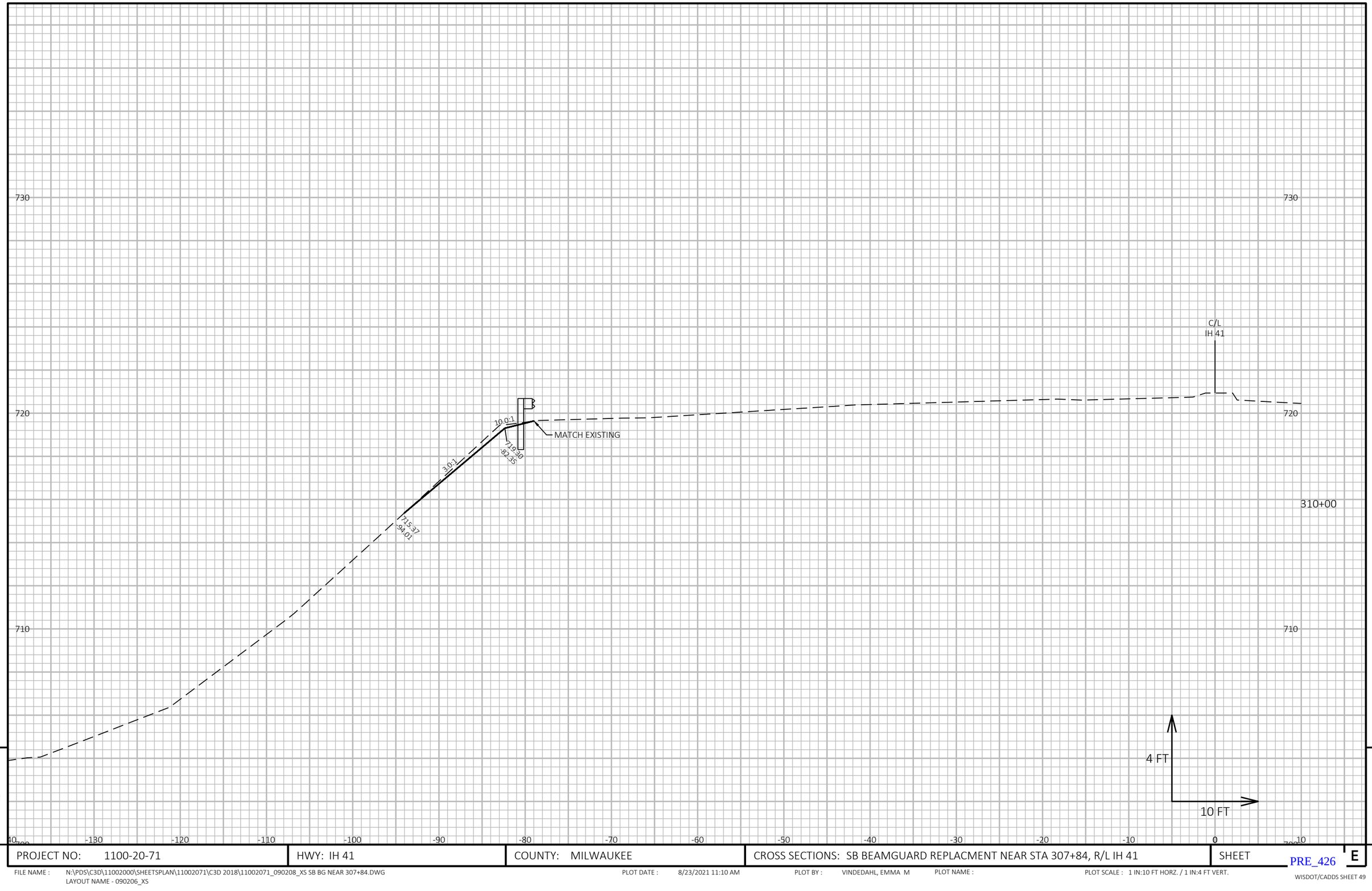
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 307+84, R/L IH 41	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090208_XS SB BG NEAR 307+84.DWG
LAYOUT NAME - 090205_XS

PLOT DATE : 8/23/2021 11:10 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_425

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 307+84, R/L IH 41	SHEET E

PRE_426

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090208_XS SB BG NEAR 307+84.DWG
LAYOUT NAME - 090206_XS

PLOT DATE : 8/23/2021 11:10 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

C/L
IH 41

MATCH EXISTING

10:0:1

3:0:1

719.62
82.35

716.90
90.53

310+50

4 FT

10 FT

-140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 307+84, R/L IH 41	SHEET E

PRE_427

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090208_XS SB BG NEAR 307+84.DWG
LAYOUT NAME - 090207_XS

PLOT DATE : 8/23/2021 11:11 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

730

720

710

700

C/L
IH 41

MATCH EXISTING

10.0:1

719.76

-82.35

3.0:1

715.84

-94.12

311+00

4 FT

10 FT

-140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 307+84, R/L IH 41	SHEET E

PRE_428

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090208_XS SB BG NEAR 307+84.DWG
LAYOUT NAME - 090208_XS

PLOT DATE : 8/23/2021 11:11 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

730

720

710

C/L
IH 41

MATCH EXISTING

10.0:1

4.0:1

719.92

82.35

718.13

89.52

311+50

4 FT

10 FT

-140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10

9

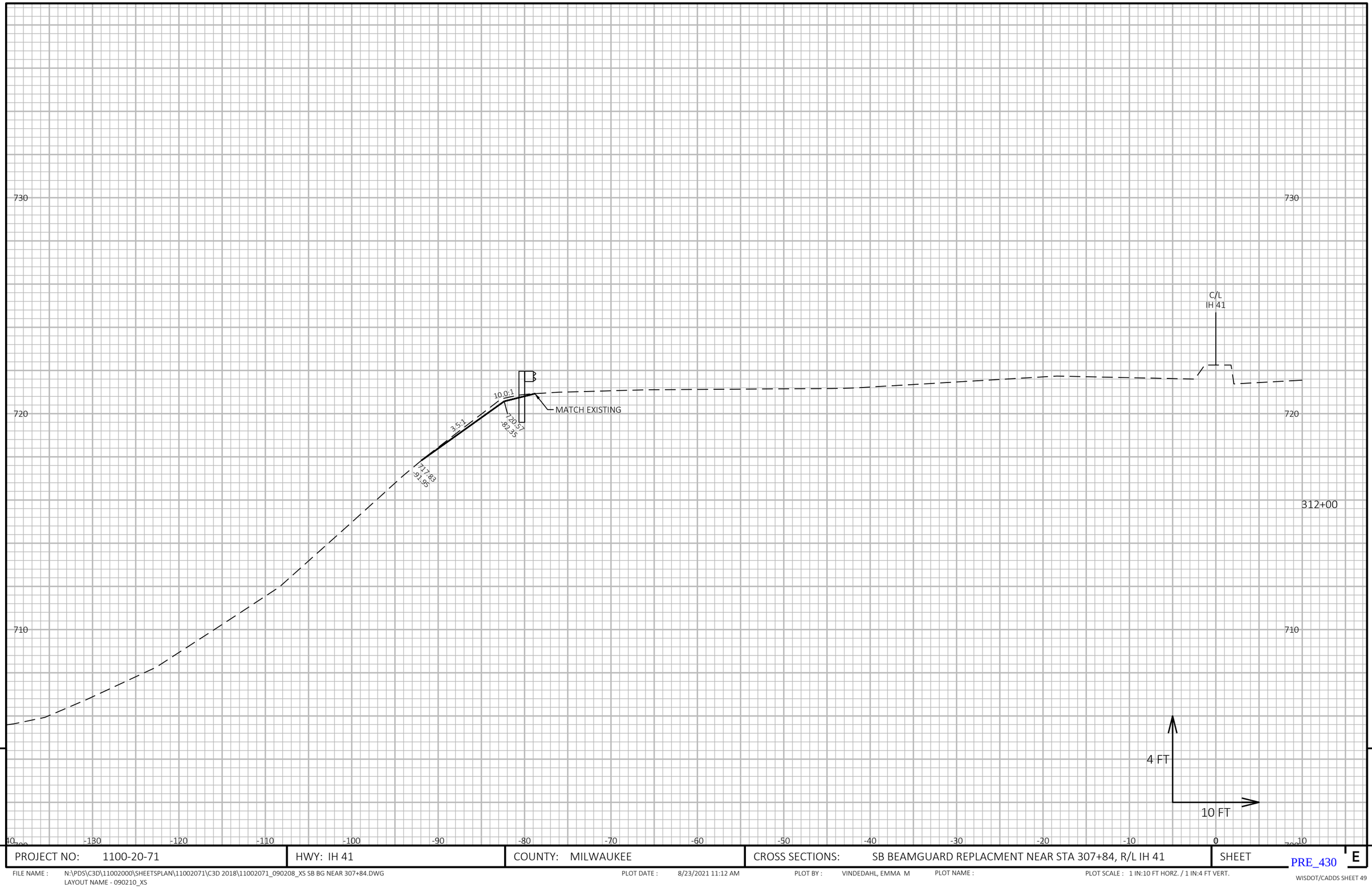
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 307+84, R/L IH 41	SHEET E

PRE_429

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090208_XS SB BG NEAR 307+84.DWG
LAYOUT NAME - 090209_XS

PLOT DATE : 8/23/2021 11:12 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 307+84, R/L IH 41	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090208_XS SB BG NEAR 307+84.DWG
LAYOUT NAME - 090210_XS

PLOT DATE : 8/23/2021 11:12 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_430

WISDOT/CADDS SHEET 49

730

720

710

C/L
IH 41

MATCH EXISTING

10.0:1

4.0:1

720.68
-92.35

718.98
-89.19

312+50

4 FT

10 FT

-140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 307+84, R/L IH 41	SHEET E

PRE_431

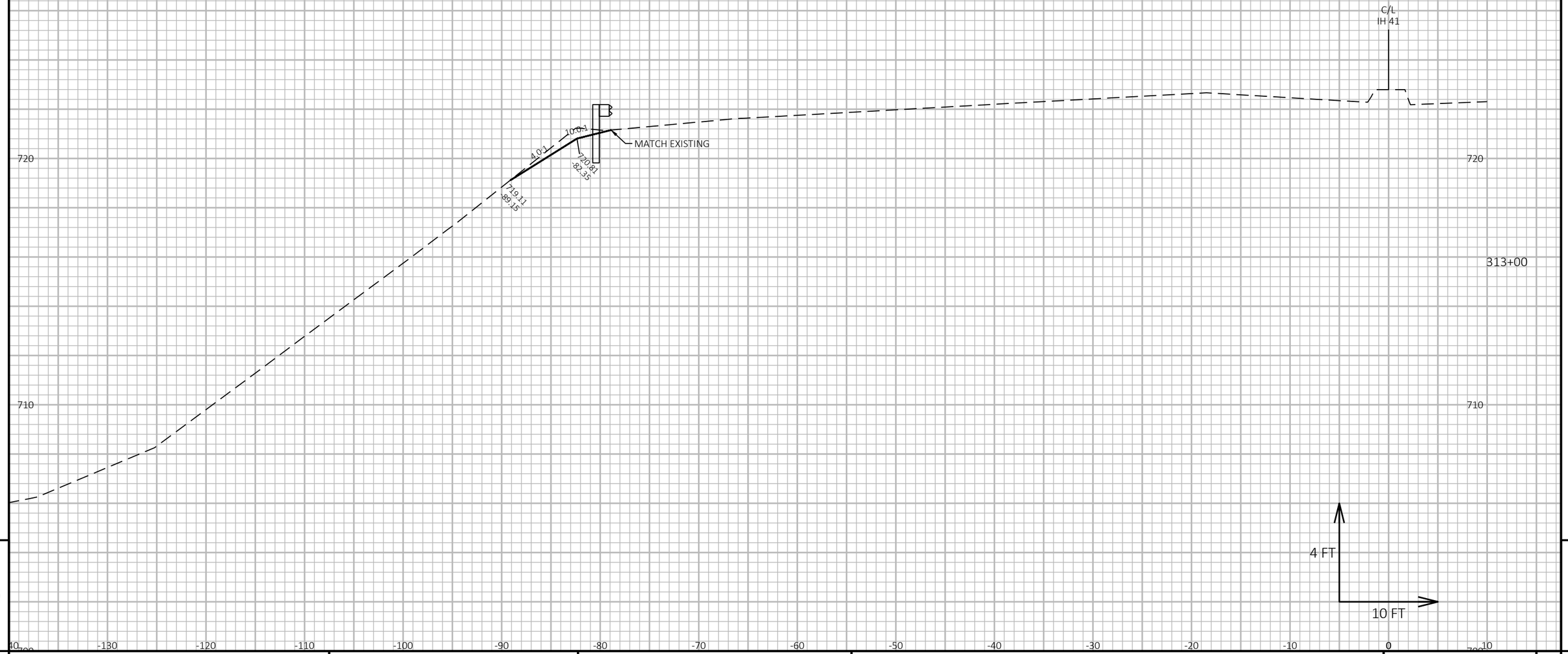
FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090208_XS SB BG NEAR 307+84.DWG
LAYOUT NAME - 090211_XS

PLOT DATE : 8/23/2021 11:13 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

730

720

710



-140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 307+84, R/L IH 41	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090208_XS SB BG NEAR 307+84.DWG
LAYOUT NAME - 090212_XS

PLOT DATE : 8/23/2021 11:13 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_432

WISDOT/CADDS SHEET 49

730

720

710

C/L
IH 41

MATCH EXISTING

10.0:1

4.0:1

719.69
-89.37

719.44
-92.35

313+50

4 FT

10 FT

-140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 307+84, R/L IH 41	SHEET E

PRE_433

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090208_XS SB BG NEAR 307+84.DWG
LAYOUT NAME - 090213_XS

PLOT DATE : 8/23/2021 11:14 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

730

720

710

C/L
IH 41

MATCH EXISTING

10.0:1

4.0:1

719.20
-91.82

721.36
-92.35

314+00

4 FT

10 FT

-140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10

9

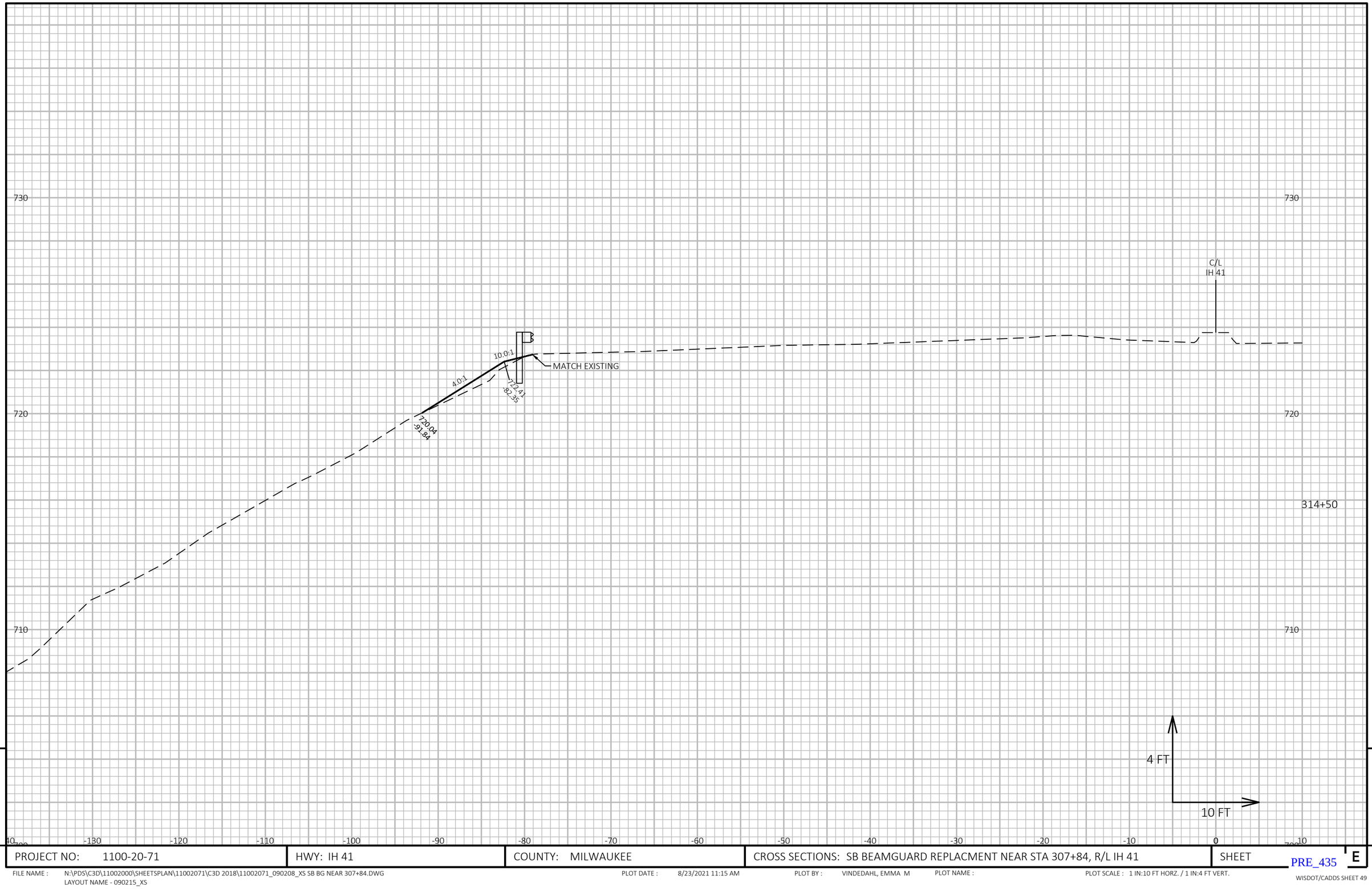
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 307+84, R/L IH 41	SHEET E

PRE_434

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090208_XS SB BG NEAR 307+84.DWG
LAYOUT NAME - 090214_XS

PLOT DATE : 8/23/2021 11:14 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 307+84, R/L IH 41	SHEET E

PRE_435

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090208_XS SB BG NEAR 307+84.DWG
LAYOUT NAME - 090215_XS

PLOT DATE : 8/23/2021 11:15 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

730

730

C/L
IH 41

10.0:1

8.0:1

MATCH EXISTING

721.59
-87.50

722.23
-92.35

720.77
-90.74

315+00

720

720

4 FT

10 FT

9

9

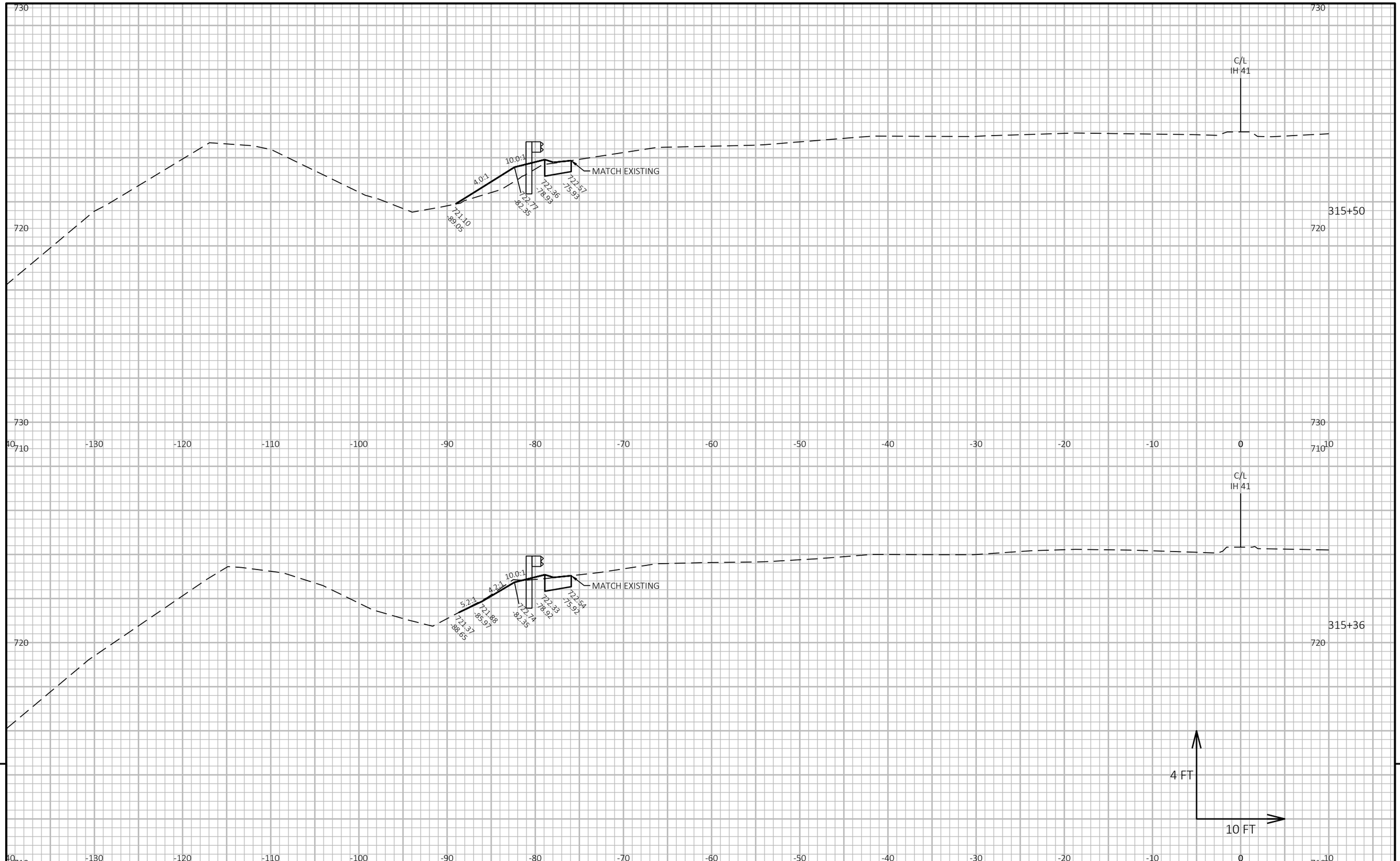
-140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 307+84, R/L IH 41	SHEET E

PRE_436

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090208_XS SB BG NEAR 307+84.DWG
LAYOUT NAME - 090216_XS

PLOT DATE : 8/23/2021 11:15 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.



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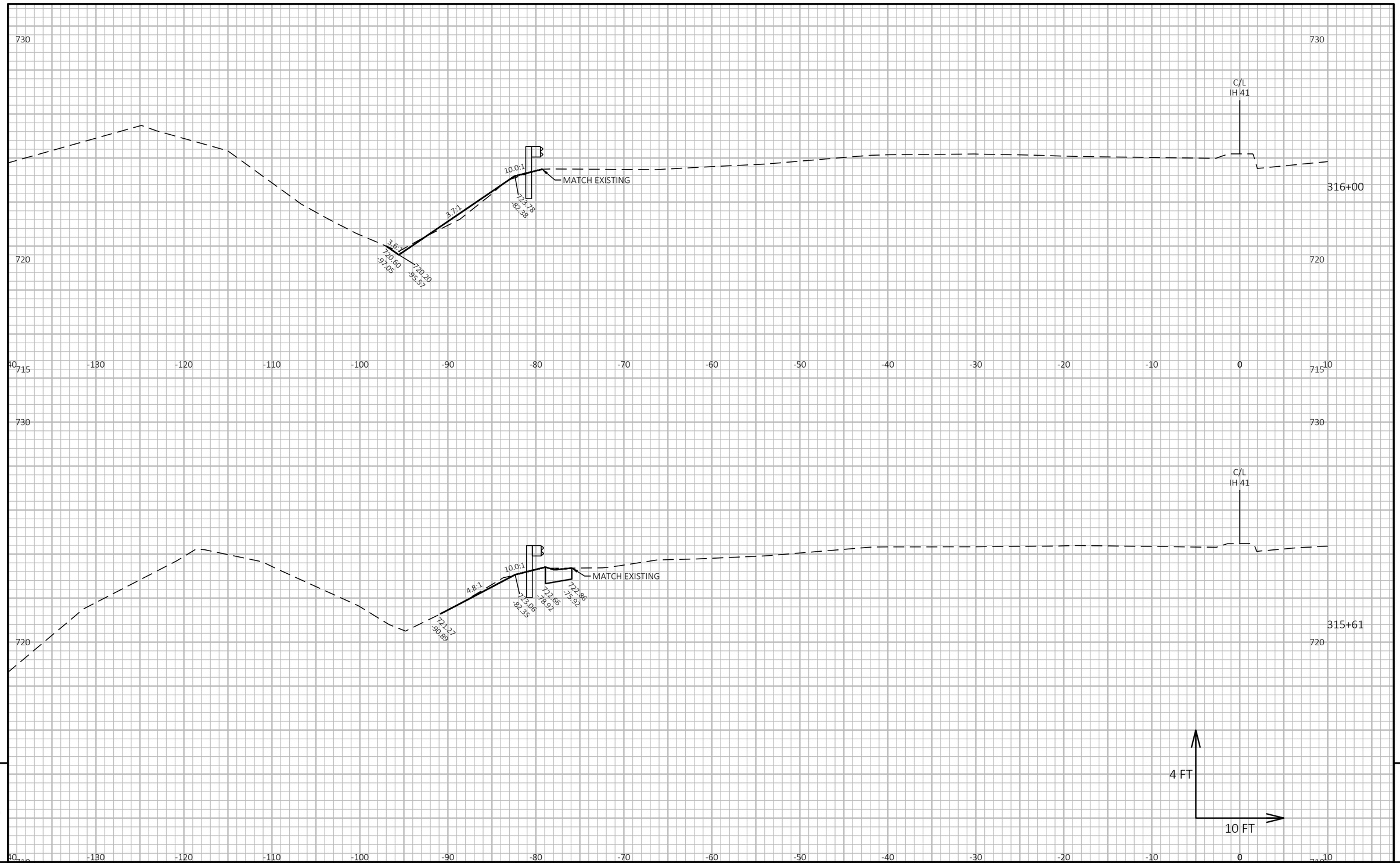
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 307+84, R/L IH 41	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090208_XS SB BG NEAR 307+84.DWG
LAYOUT NAME - 090217_XS

PLOT DATE : 8/23/2021 11:16 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_437

WISDOT/CADDS SHEET 49



9

9

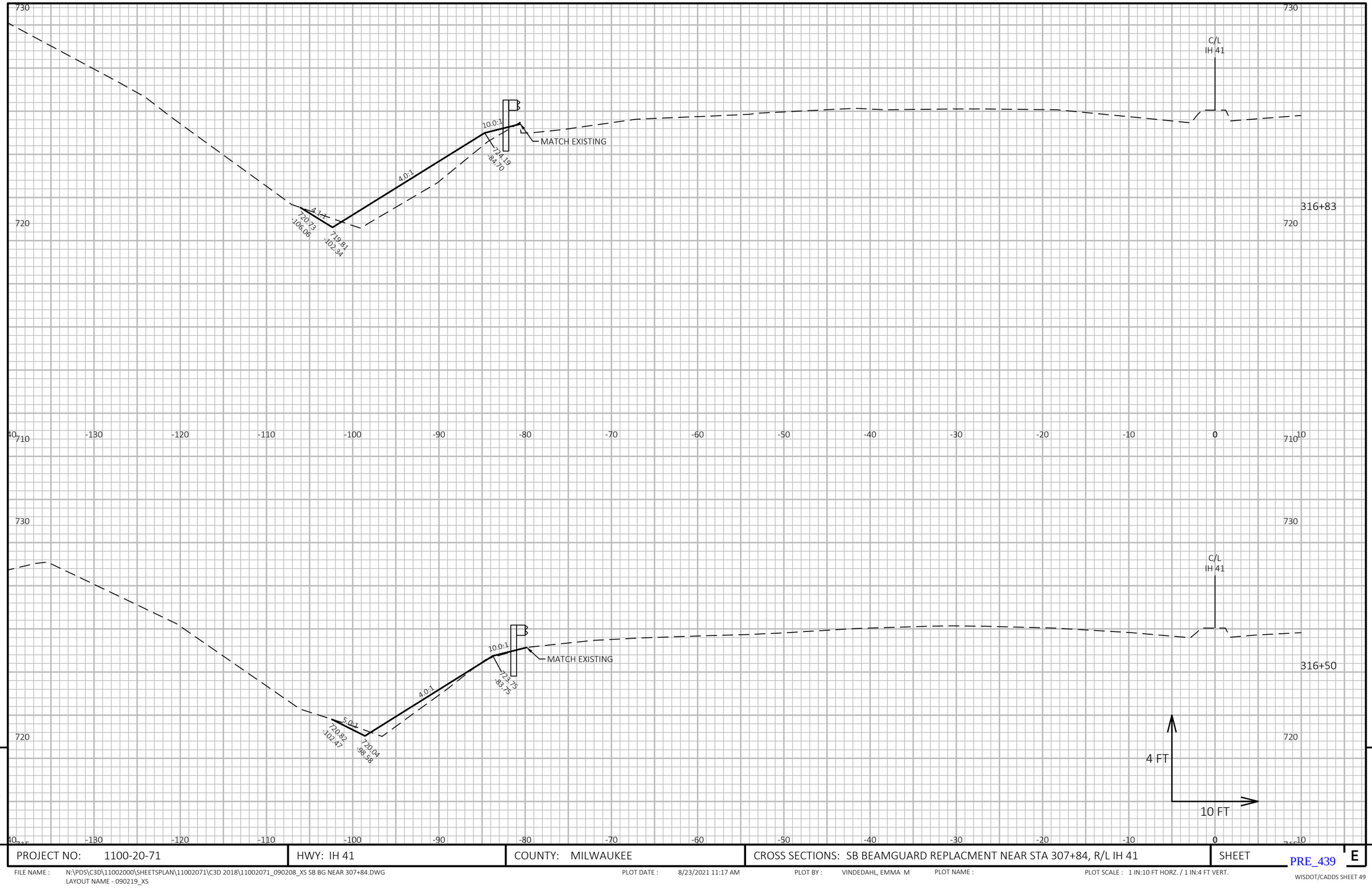
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 307+84, R/L IH 41	SHEET E

PRE_438

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090208_XS SB BG NEAR 307+84.DWG
LAYOUT NAME - 090218_XS

PLOT DATE : 8/23/2021 11:16 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

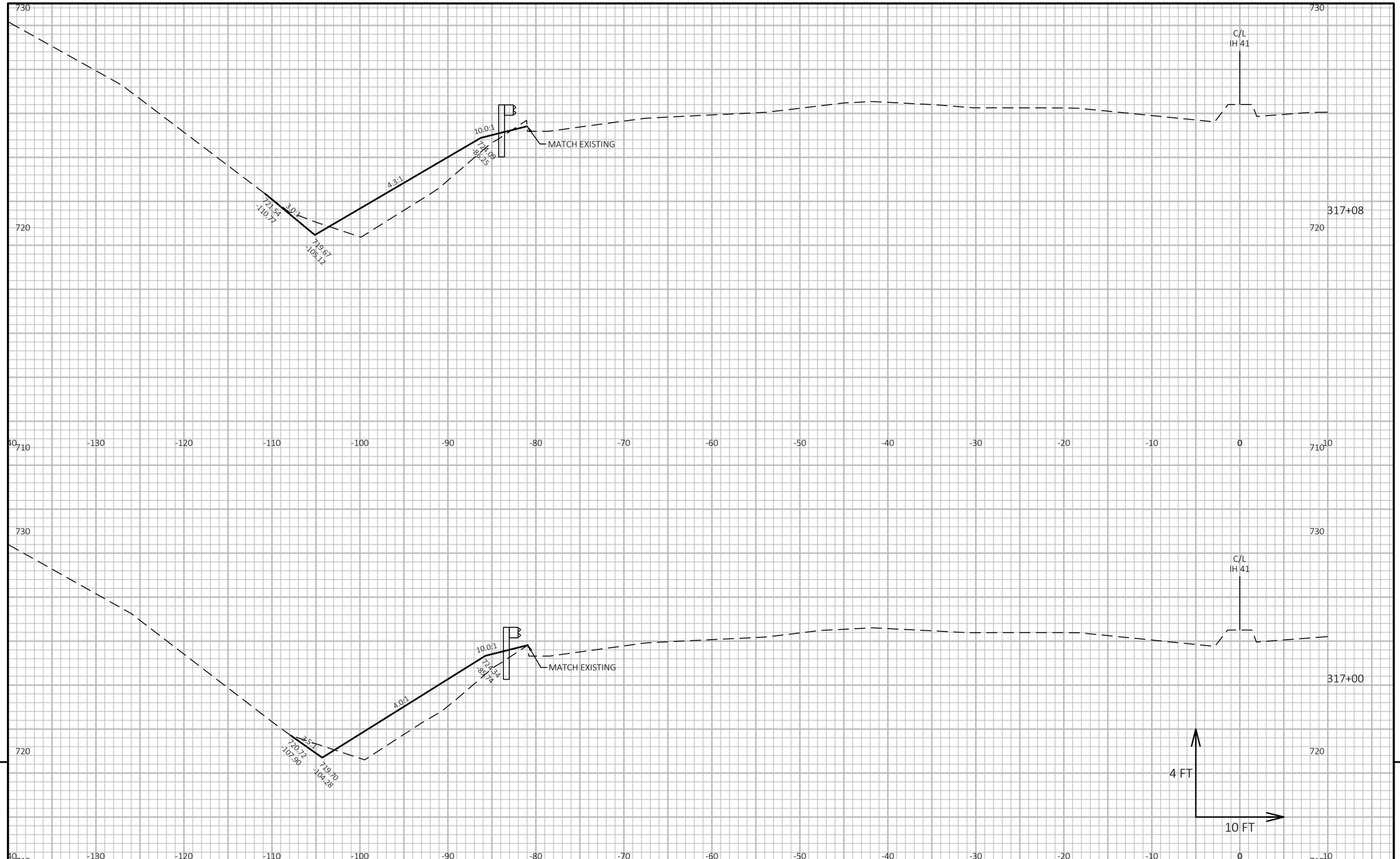
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 307+84, R/L IH 41	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090208_XS SB BG NEAR 307+84.DWG
LAYOUT NAME - 090219_XS

PLOT DATE : 8/23/2021 11:17 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_439

WISDOT/CADDS SHEET 49



PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 307+84, R/L IH 41	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090208_XS SB BG NEAR 307+84.DWG
LAYOUT NAME - 090220_XS

PLOT DATE : 8/23/2021 11:18 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_440

WISDOT/CADDS SHEET 49

730

730

C/L
IH 41

MATCH EXISTING

10.0:1

4:1

2:1

722.25
-113.10

719.65
-105.80

723.89
-91.51

724.73
-81.68

723.93
-76.66

317+15

720

720

4 FT

10 FT

-140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10

9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 307+84, R/L IH 41	SHEET	E

PRE_441

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090208_XS SB BG NEAR 307+84.DWG
LAYOUT NAME - 090221_XS

PLOT DATE : 8/23/2021 11:18 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

720

724.08
-119.56

2.6:1

719.58
-107.72

4.0:1

723.97
-90.97

10.0:1

723.92
-81.97

724.12
-78.97

MATCH EXISTING

C/L
IH 41

317+33

730

720

4 FT

10 FT

-130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10

9

9

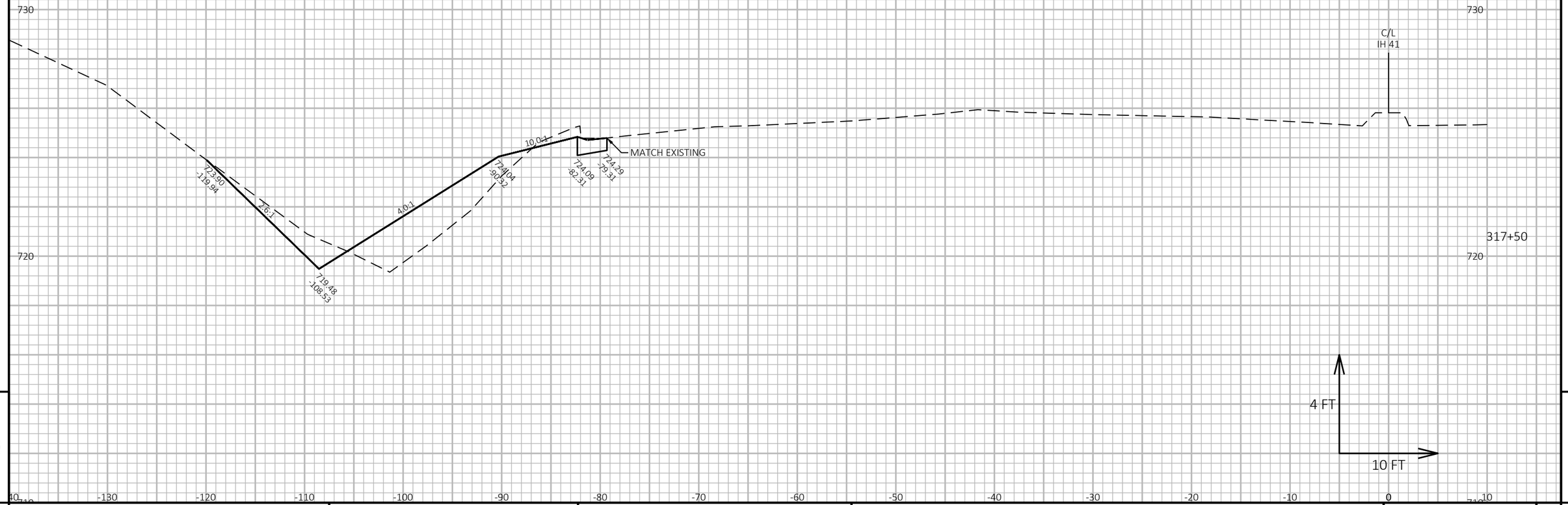
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 307+84, R/L IH 41	SHEET E

PRE_442

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090208_XS SB BG NEAR 307+84.DWG
LAYOUT NAME - 090222_XS

PLOT DATE : 8/23/2021 11:19 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 307+84, R/L IH 41	SHEET E

PRE_443

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090208_XS SB BG NEAR 307+84.DWG
LAYOUT NAME - 090223_XS

PLOT DATE : 8/23/2021 11:19 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

730

C/L
IH 41

MATCH EXISTING

723.15
-121.05

-24:1

719.20
-109.98

4.0:1

724.60
-86.38

10.0:1

724.32
-83.70

724.53
-80.70

318+00

720

720

4 FT

10 FT

9

9

-130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 307+84, R/L IH 41	SHEET E

PRE_444

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090208_XS SB BG NEAR 307+84.DWG
LAYOUT NAME - 090224_XS

PLOT DATE : 8/23/2021 11:20 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

730

730

C/L
IH 41

MATCH EXISTING

10.0:1
724.96
886.91
724.96
886.91
724.39
885.14
724.59
887.14

3.5:1

2.6:1
719.03
1107.87
719.14
1108.17

318+38

720

720

4 FT

10 FT

9

9

-140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10

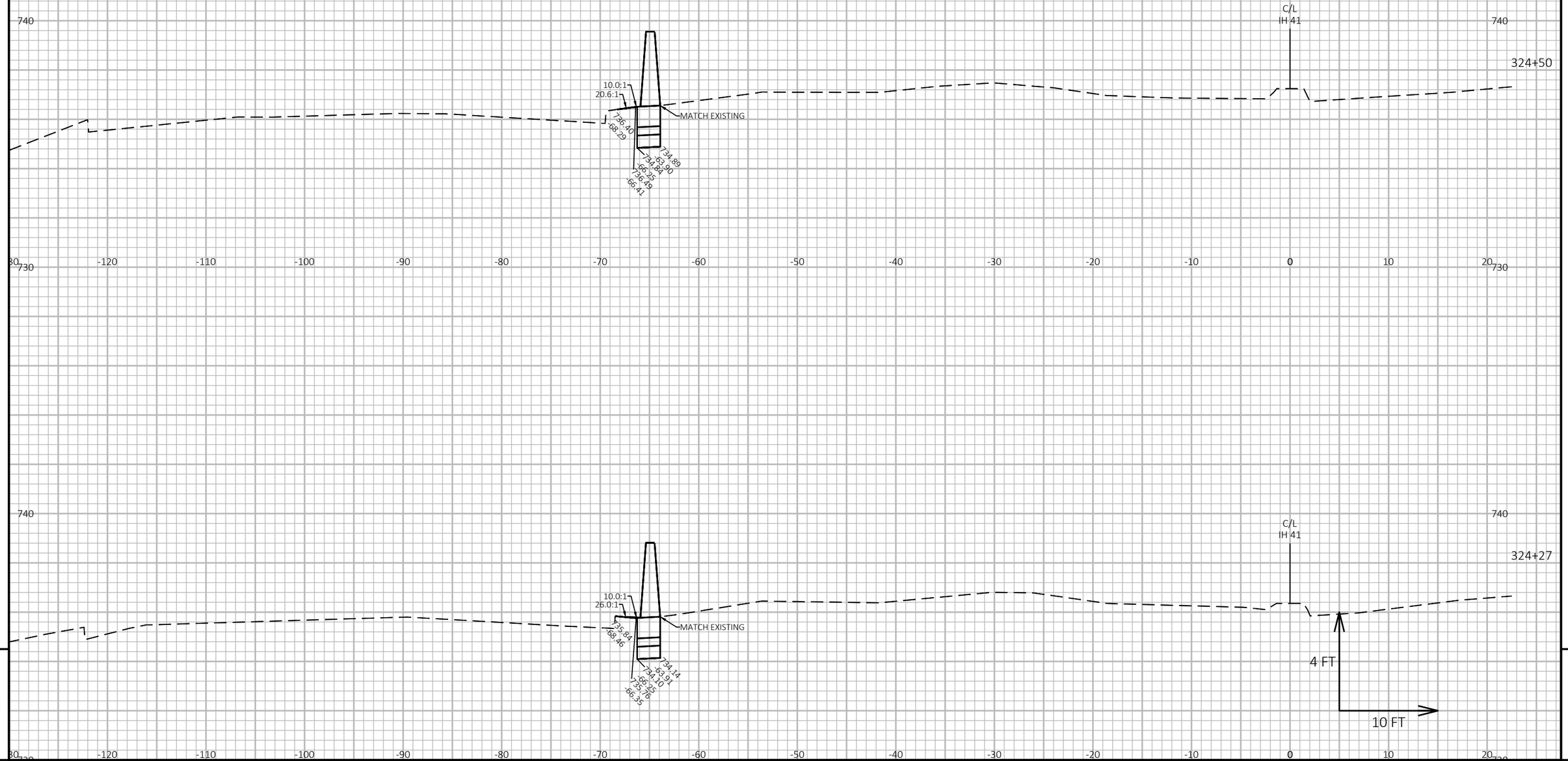
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 307+84, R/L IH 41	SHEET E

PRE_445

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090208_XS SB BG NEAR 307+84.DWG
LAYOUT NAME - 090225_XS

PLOT DATE : 8/23/2021 11:20 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 324+27, R/L IH 41	SHEET E

PRE_446

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090210_XS_SB BG NEAR 324+27.DWG
LAYOUT NAME - 090201_XS

PLOT DATE : 9/9/2021 8:30 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

760

750

740

325+00

10.0:1

4.5:1

MATCH EXISTING

737.39
68.34

736.21
63.89

736.23
56.12

737.81
66.55

C/L
IH 41

4 FT

10 FT

-120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 324+27, R/L IH 41	SHEET E

PRE_447

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090210_XS_SB BG NEAR 324+27.DWG
LAYOUT NAME - 090202_XS

PLOT DATE : 9/9/2021 8:31 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

760

750

740

325+50

C/L
IH 41

10.0:1

3:1

MATCH EXISTING

738.60
69.00

737.78
63.87
737.73
68.22
739.35
66.69

4 FT

10 FT

-130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 324+27, R/L IH 41	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090210_XS_SB BG NEAR 324+27.DWG
LAYOUT NAME - 090203_XS

PLOT DATE : 9/9/2021 8:31 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_448

WISDOT/CADDS SHEET 49

760

750

740

326+00

C/L
IH 41

10.0:1

3:1-1

MATCH EXISTING

739.68
-70.23

739.20
-53.86

739.15
-66.21

740.76
-66.83

4 FT

10 FT

-130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 324+27, R/L IH 41	SHEET E

PRE_449

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090210_XS_SB BG NEAR 324+27.DWG
LAYOUT NAME - 090204_XS

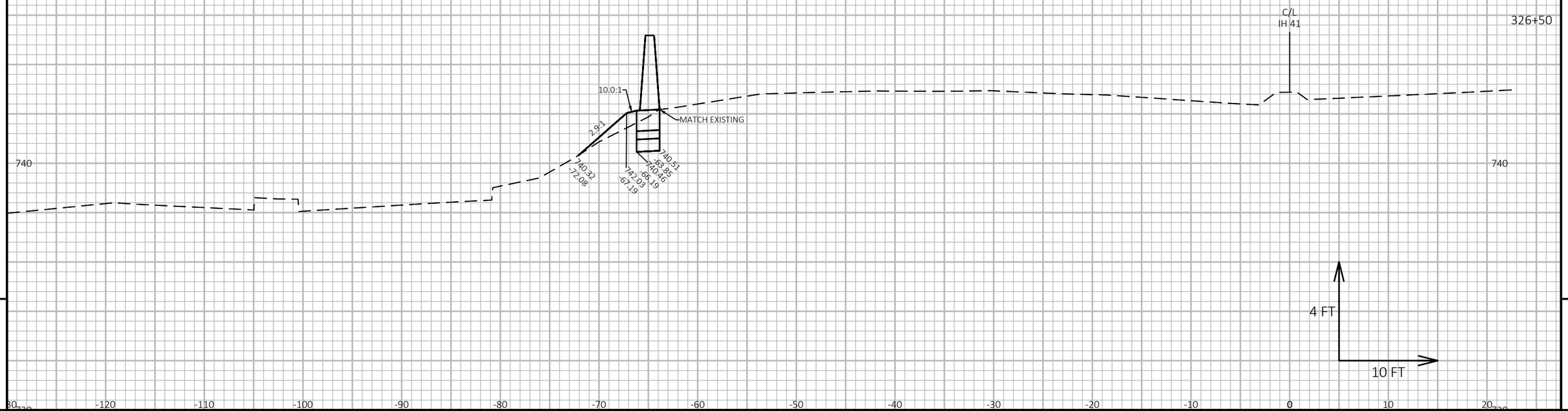
PLOT DATE : 9/9/2021 8:32 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

760

750

740



9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 324+27, R/L IH 41	SHEET E

PRE_450

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090210_XS_SB BG NEAR 324+27.DWG
LAYOUT NAME - 090205_XS

PLOT DATE : 9/9/2021 8:33 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

760

750

740

C/L
IH 41

326+85

10.0:1

3.3:1

741.06
-67.84

741.30
-73.62

741.35
-66.18

741.60
-53.84

MATCH EXISTING

4 FT

10 FT

-120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 324+27, R/L IH 41	SHEET E

PRE_451

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090210_XS_SB BG NEAR 324+27.DWG
LAYOUT NAME - 090206_XS

PLOT DATE : 9/9/2021 8:33 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49

760

750

740

C/L
IH 41

327+00

10.0:1

3.4:1

741.35
-77.86

741.58
-73.78

MATCH EXISTING

4 FT

10 FT

-130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20

9

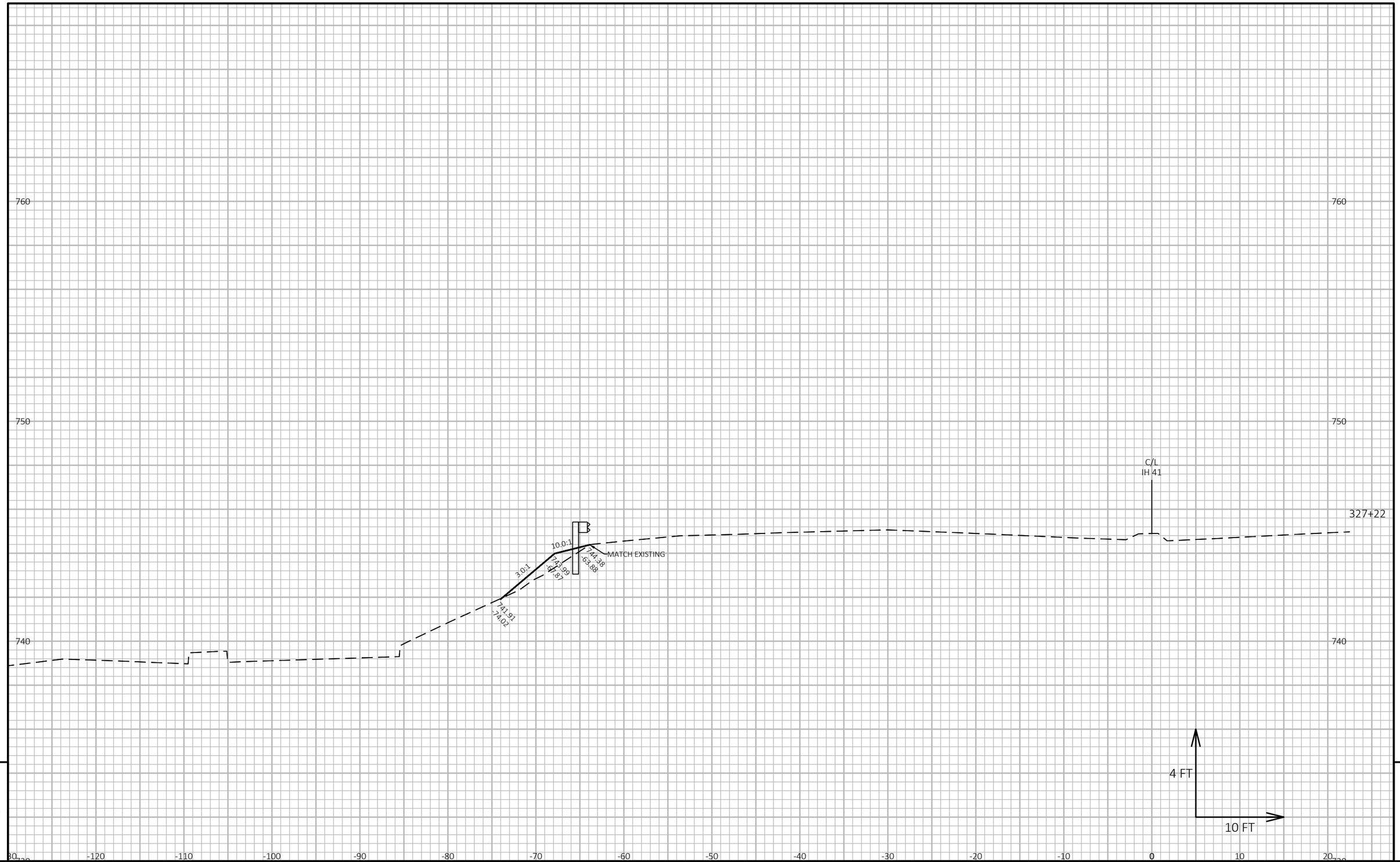
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 324+27, R/L IH 41	SHEET E

PRE_452

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090210_XS_SB BG NEAR 324+27.DWG
LAYOUT NAME - 090207_XS

PLOT DATE : 9/9/2021 8:34 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

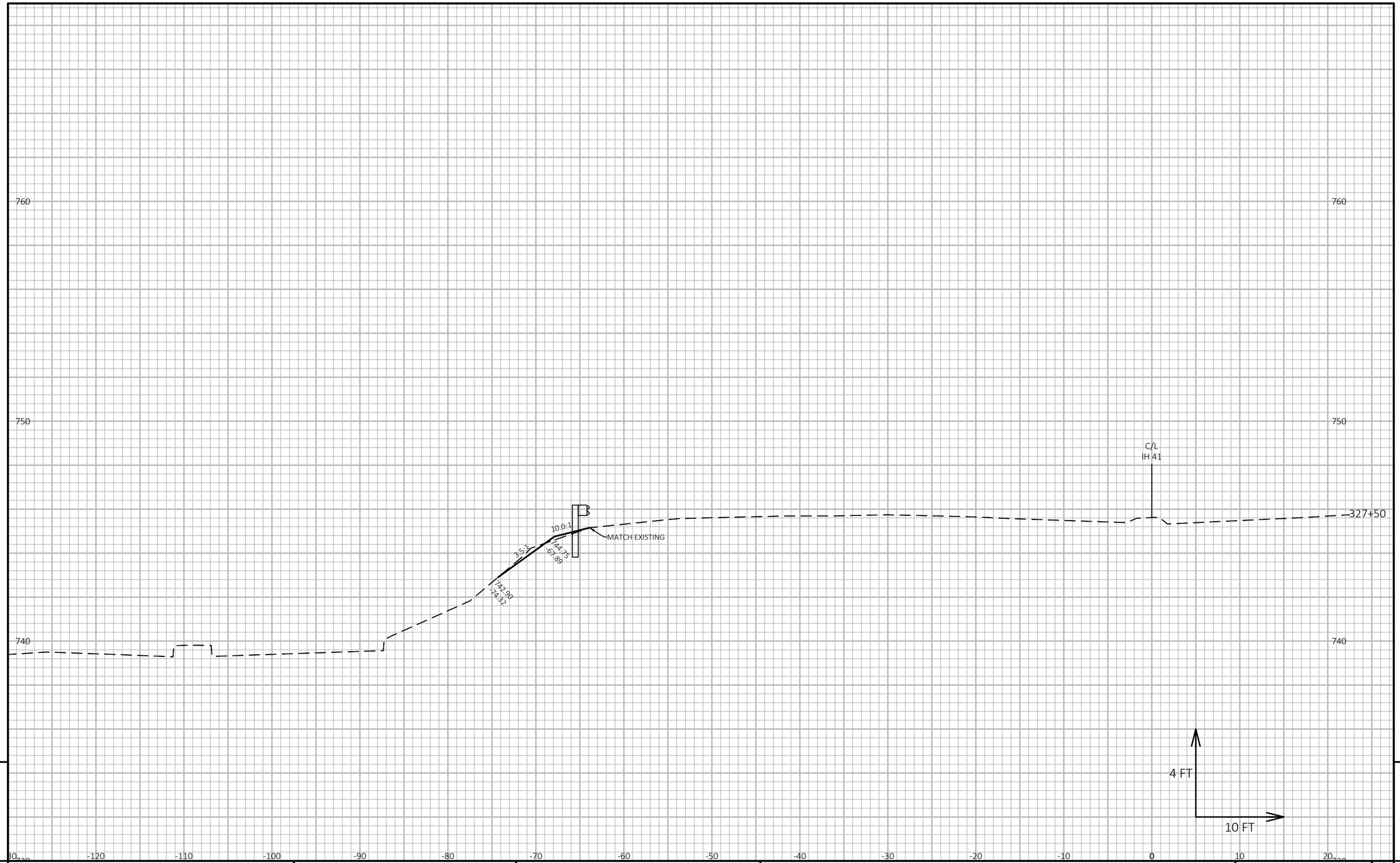
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 324+27, R/L IH 41	SHEET E

PRE_453

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090210_XS_SB BG NEAR 324+27.DWG
LAYOUT NAME - 090208_XS

PLOT DATE : 9/9/2021 8:34 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

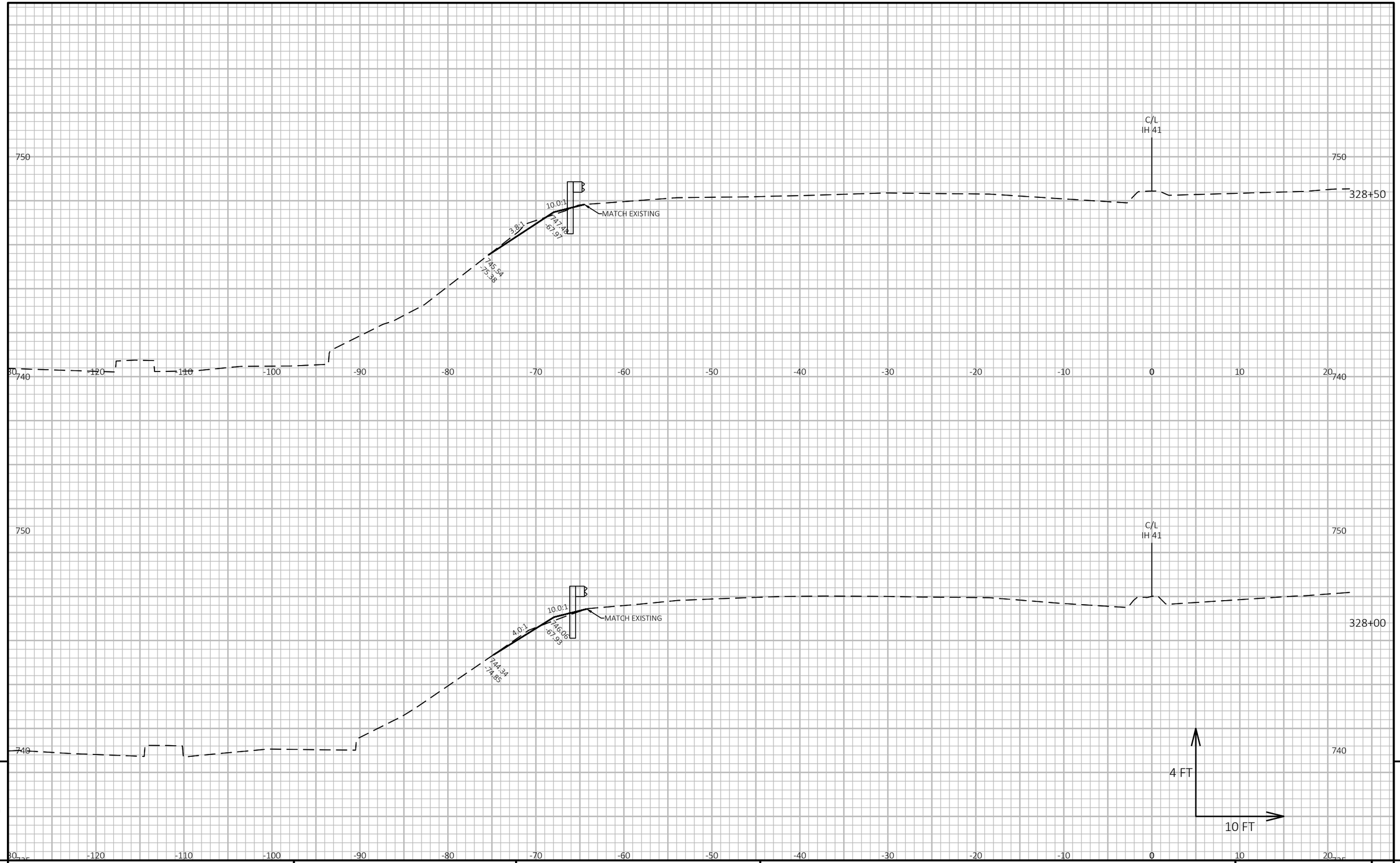
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 324+27, R/L IH 41	SHEET E

PRE_454

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090210_XS_SB BG NEAR 324+27.DWG
LAYOUT NAME - 090209_XS

PLOT DATE : 9/9/2021 8:35 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

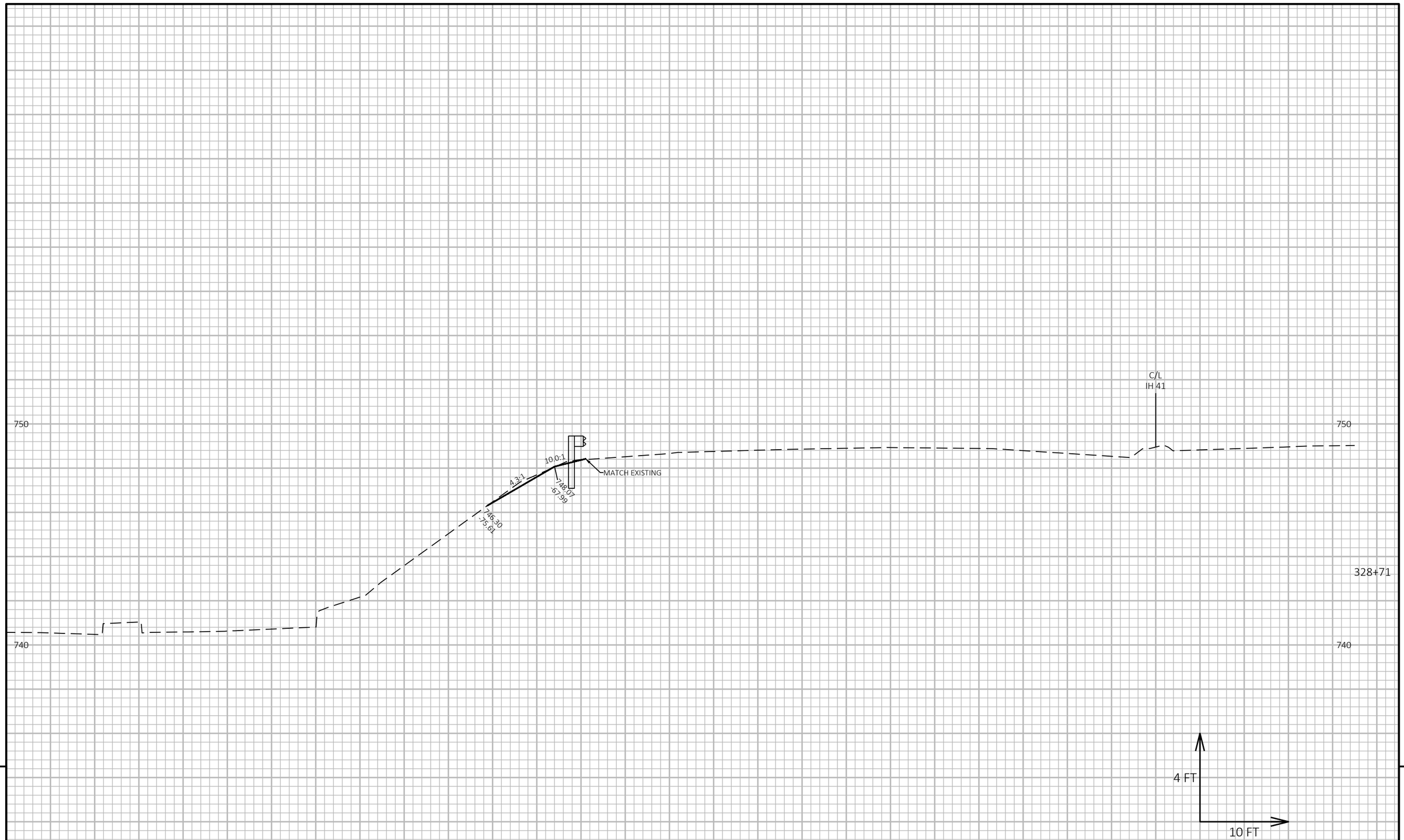
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 324+27, R/L IH 41	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090210_XS_SB BG NEAR 324+27.DWG
LAYOUT NAME - 090210_XS

PLOT DATE : 9/9/2021 8:35 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_455

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 324+27, R/L IH 41	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090210_XS_SB BG NEAR 324+27.DWG
LAYOUT NAME - 090211_XS

PLOT DATE : 9/9/2021 8:36 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_456

WISDOT/CADDS SHEET 49



9

9

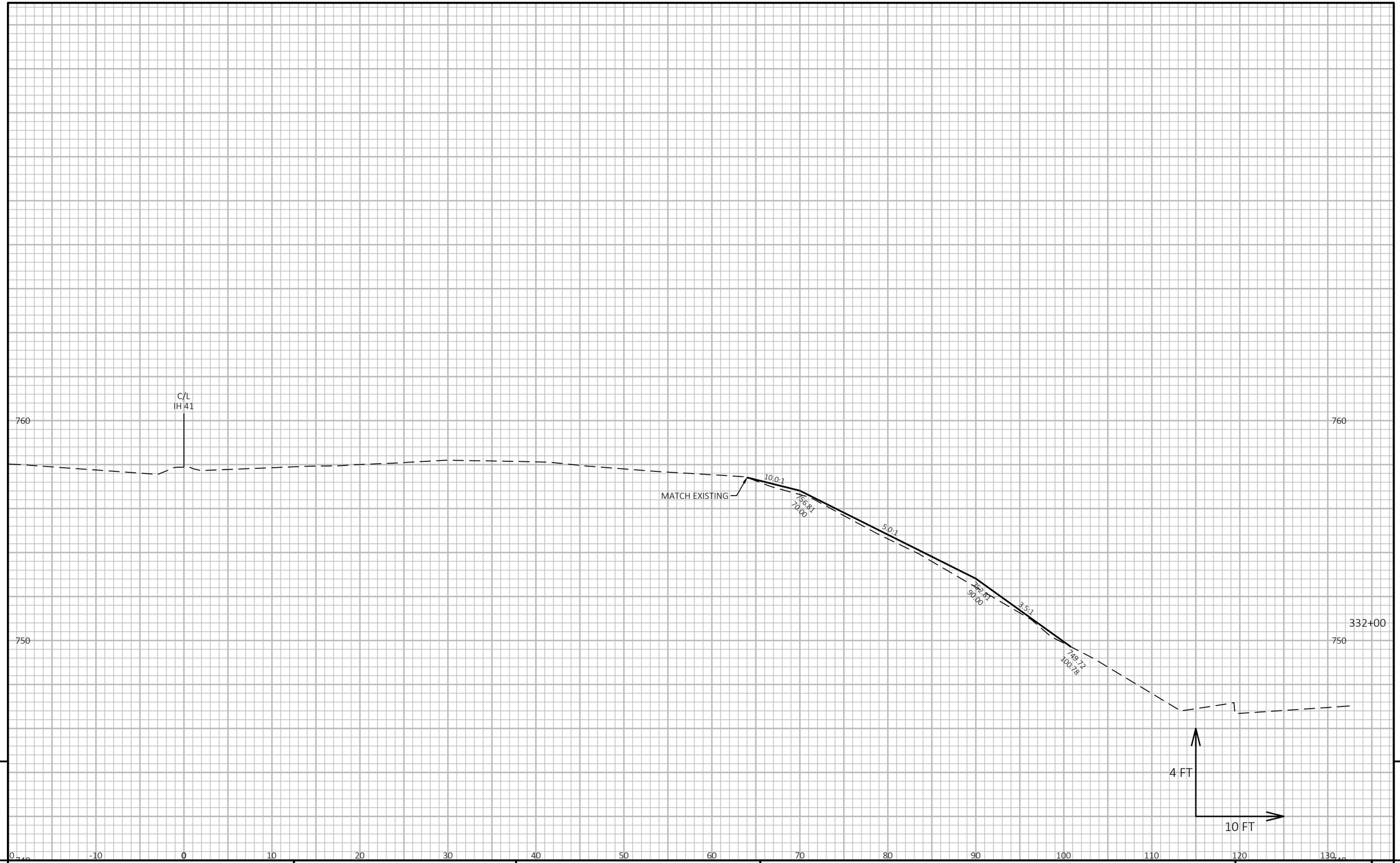
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BEAMGUARD REPLACEMENT NEAR STA 331+65, R/L IH 41	SHEET E

PRE_457

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090211_XS_NB BG NEAR 331+65.DWG
LAYOUT NAME - 090201_XS

PLOT DATE : 6/29/2021 2:07 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

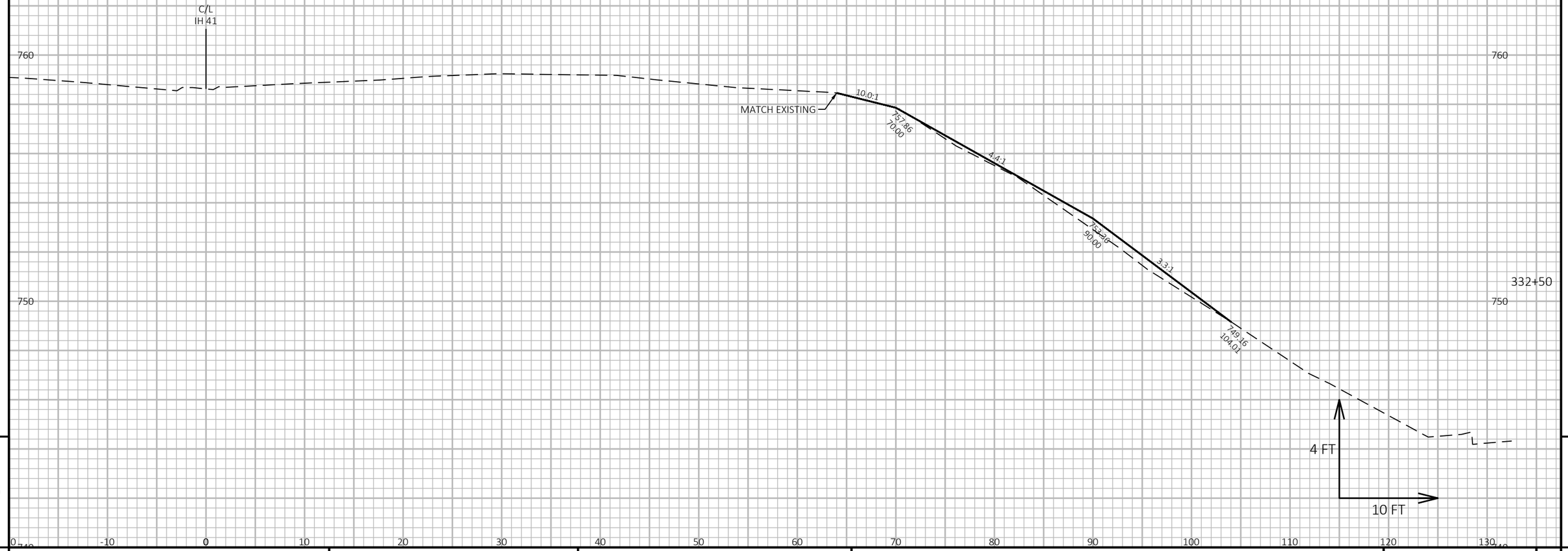
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BEAMGUARD REPLACEMENT NEAR STA 331+65, R/L IH 41	SHEET E

PRE_458

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090211_XS_NB BG NEAR 331+65.DWG
LAYOUT NAME - 090202_XS

PLOT DATE : 6/29/2021 2:08 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

9

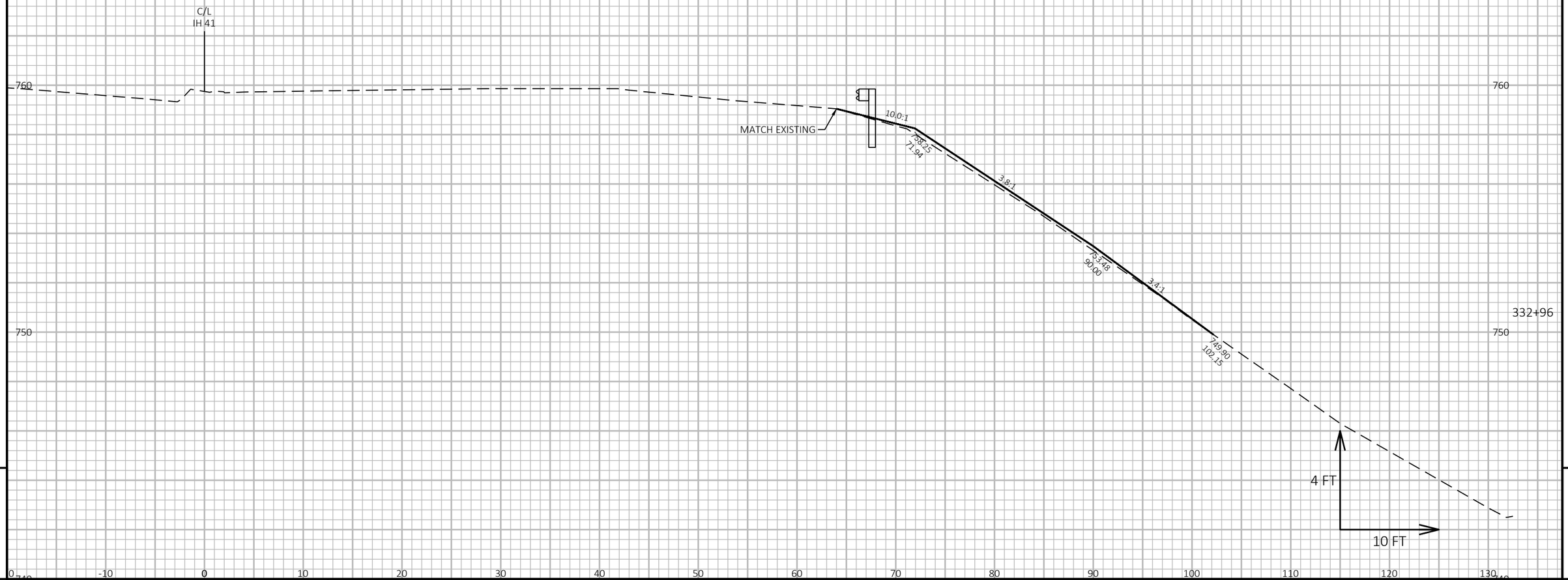
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BEAMGUARD REPLACEMENT NEAR STA 331+65, R/L IH 41	SHEET E

PRE_459

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090211_XS_NB BG NEAR 331+65.DWG
LAYOUT NAME - 090203_XS

PLOT DATE : 6/29/2021 2:08 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



9

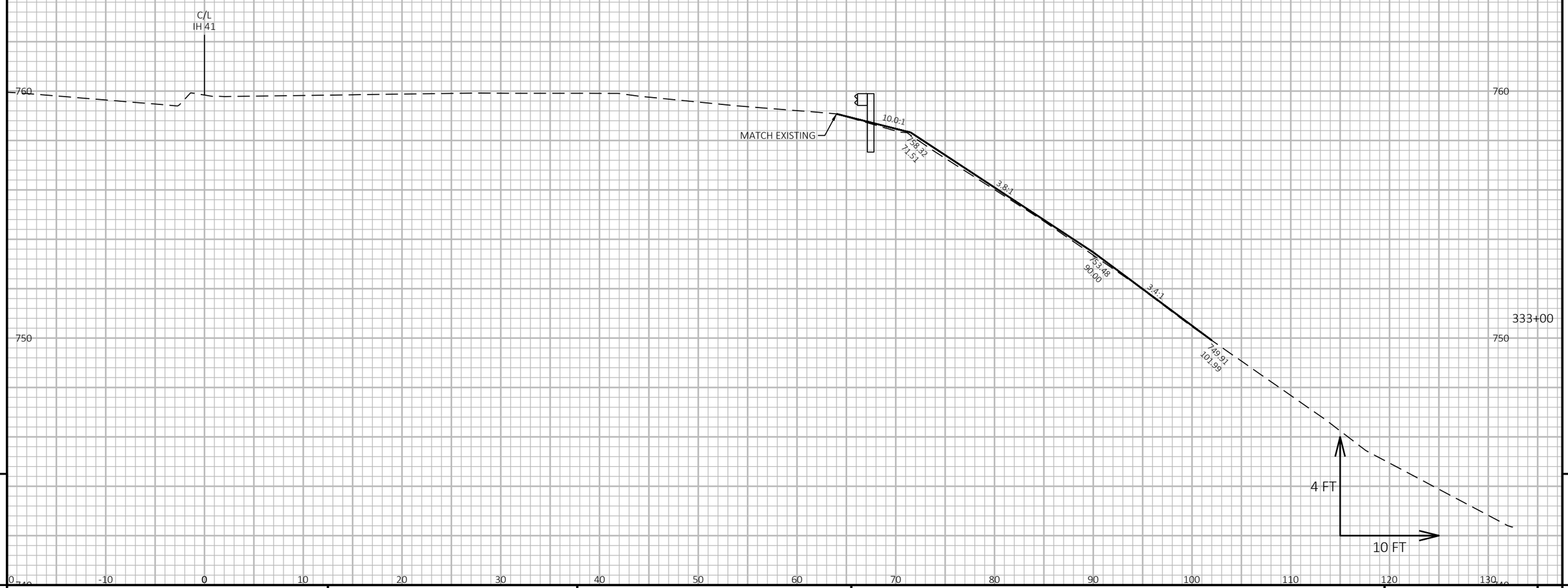
9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BEAMGUARD REPLACEMENT NEAR STA 331+65, R/L IH 41	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090211_XS_NB BG NEAR 331+65.DWG
LAYOUT NAME - 090204_XS

PLOT DATE : 6/29/2021 2:09 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_460



9

9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BEAMGUARD REPLACEMENT NEAR STA 331+65, R/L IH 41	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090211_XS_NB BG NEAR 331+65.DWG
LAYOUT NAME - 090205_XS

PLOT DATE : 6/29/2021 2:09 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_461

WISDOT/CADDS SHEET 49

770

760

750

C/L
IH 41

MATCH EXISTING

10.0:1

758.64
70.00

4.0:1

753.64
90.00

3.0:1

749.86
101.12

333+21

4 FT

10 FT

9

0 -10 0 10 20 30 40 50 60 70 80 90 100 110 120 130

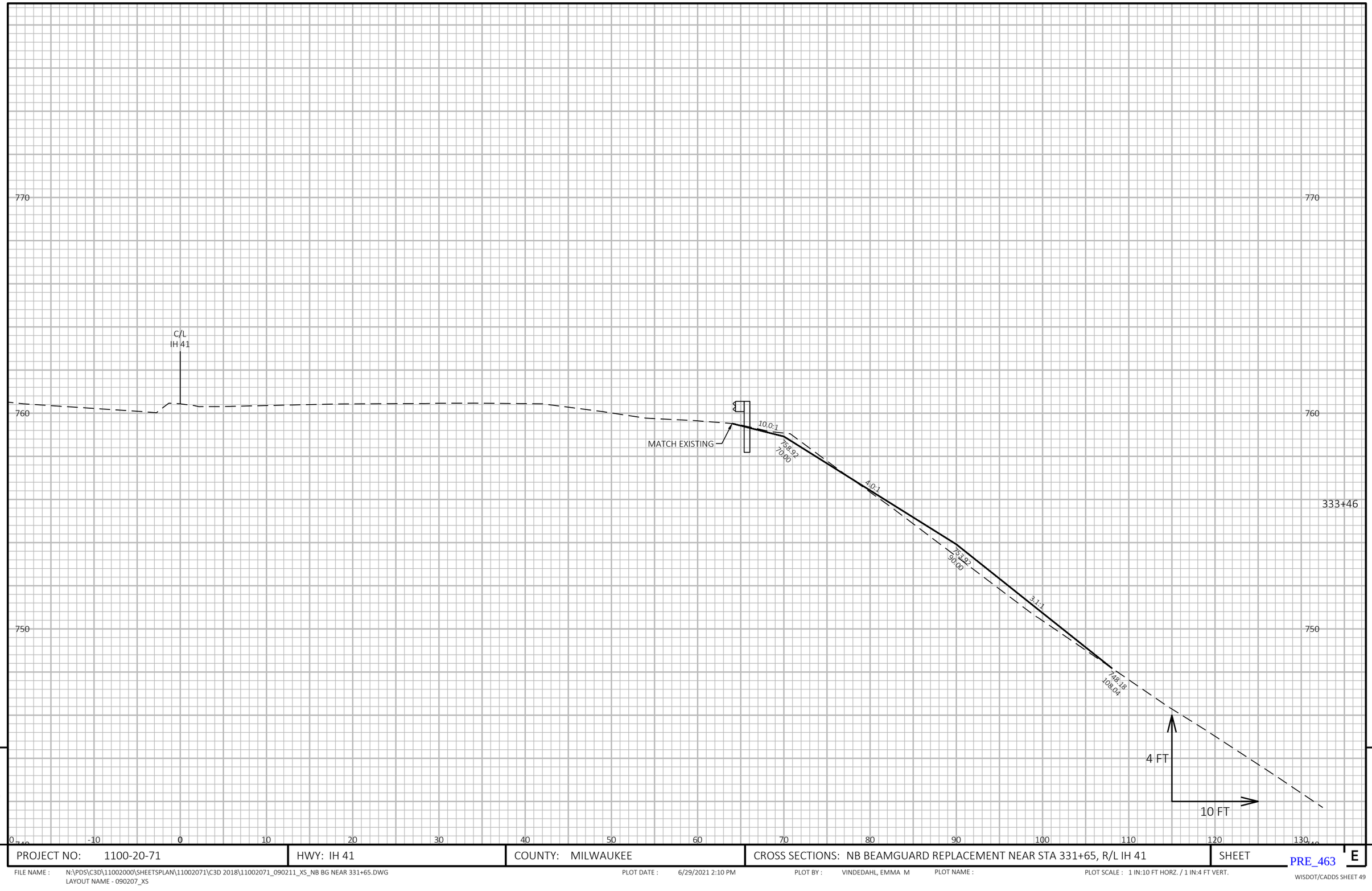
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BEAMGUARD REPLACEMENT NEAR STA 331+65, R/L IH 41	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090211_XS_NB BG NEAR 331+65.DWG
LAYOUT NAME - 090206_XS

PLOT DATE : 6/29/2021 2:10 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_462

WISDOT/CADDS SHEET 49



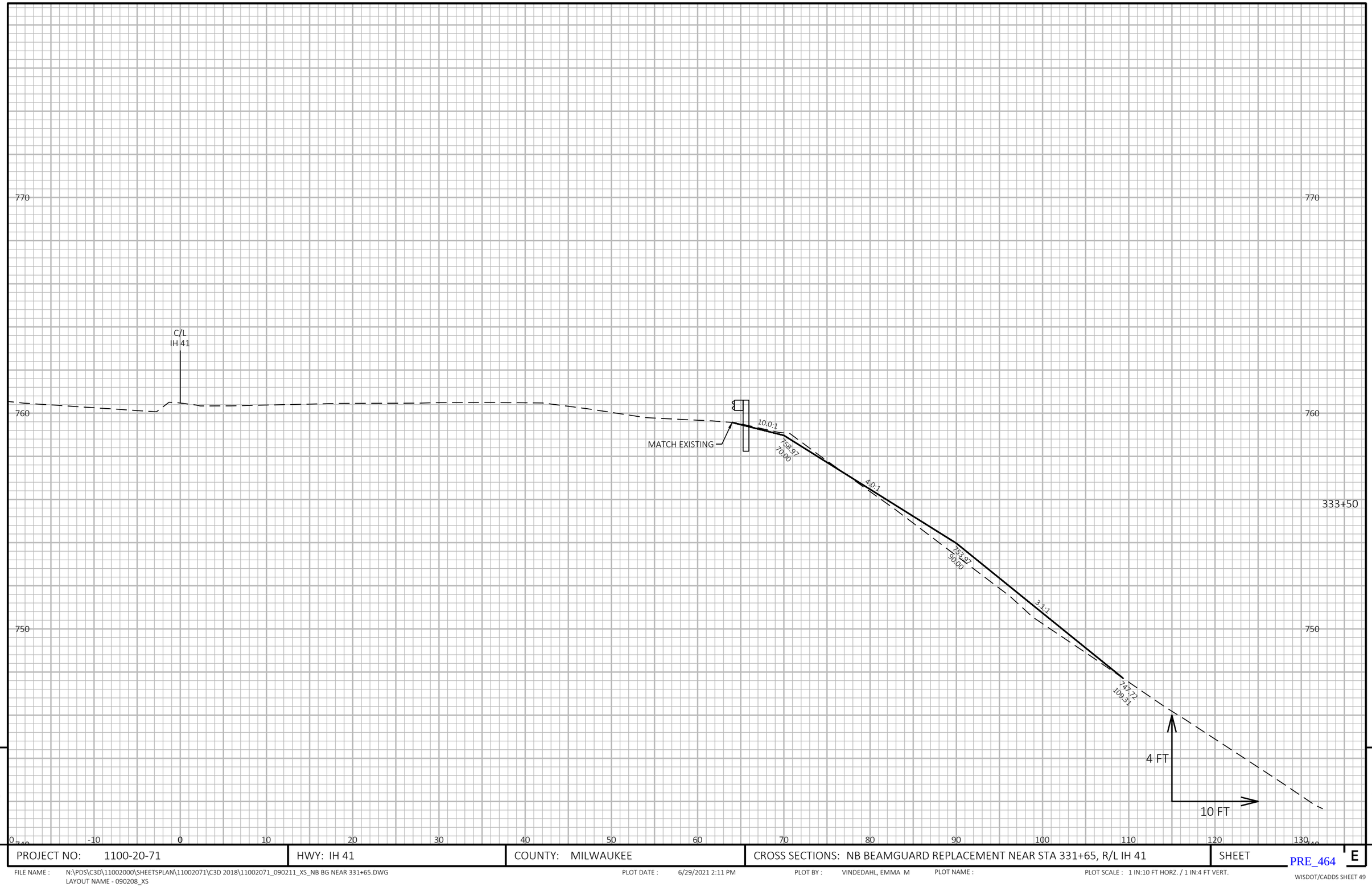
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PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BEAMGUARD REPLACEMENT NEAR STA 331+65, R/L IH 41	SHEET E

PRE_463

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090211_XS_NB BG NEAR 331+65.DWG
LAYOUT NAME - 090207_XS

PLOT DATE : 6/29/2021 2:10 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.



9

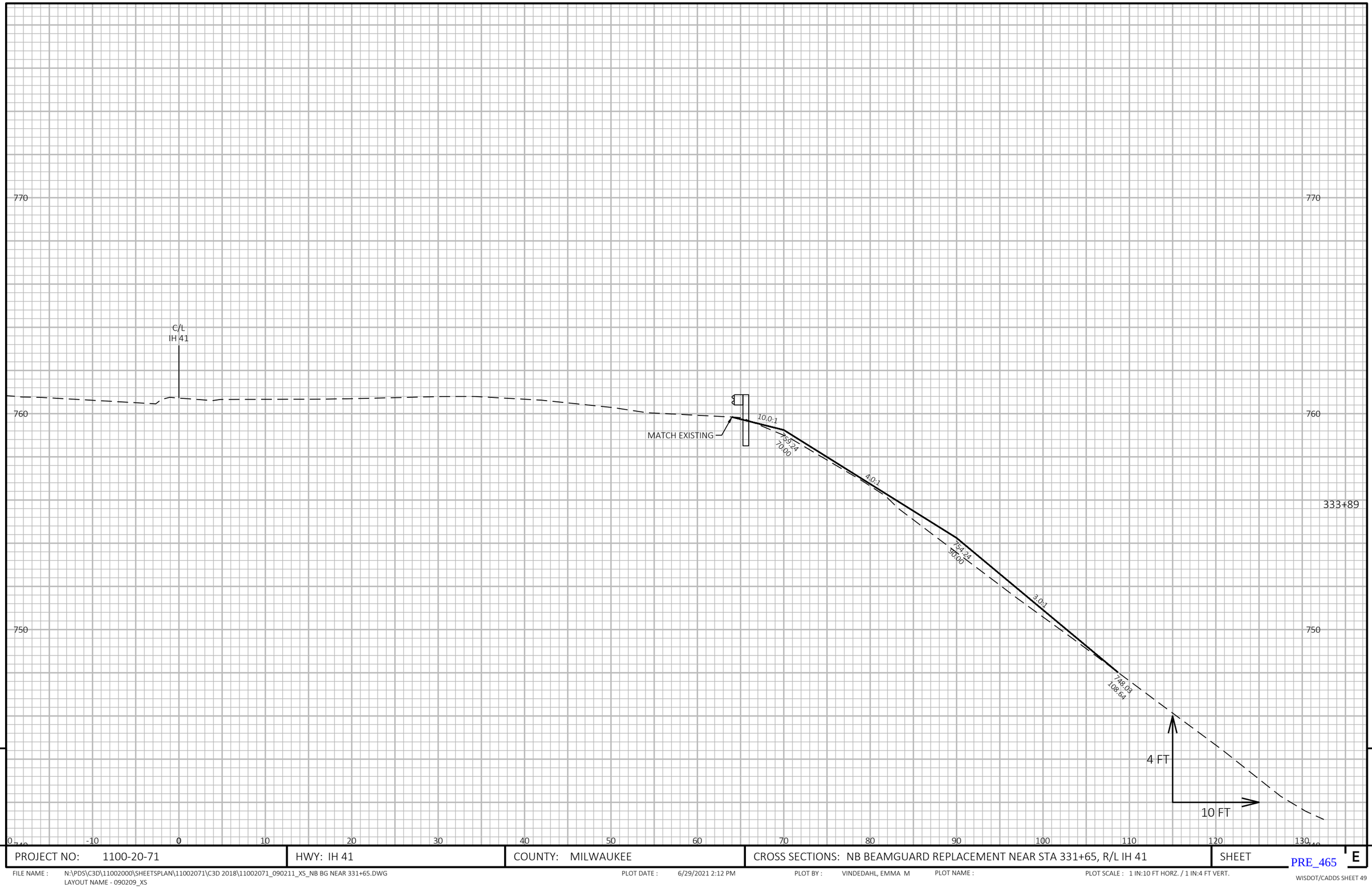
9

PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BEAMGUARD REPLACEMENT NEAR STA 331+65, R/L IH 41	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090211_XS_NB BG NEAR 331+65.DWG
LAYOUT NAME - 090208_XS

PLOT DATE : 6/29/2021 2:11 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_464



9

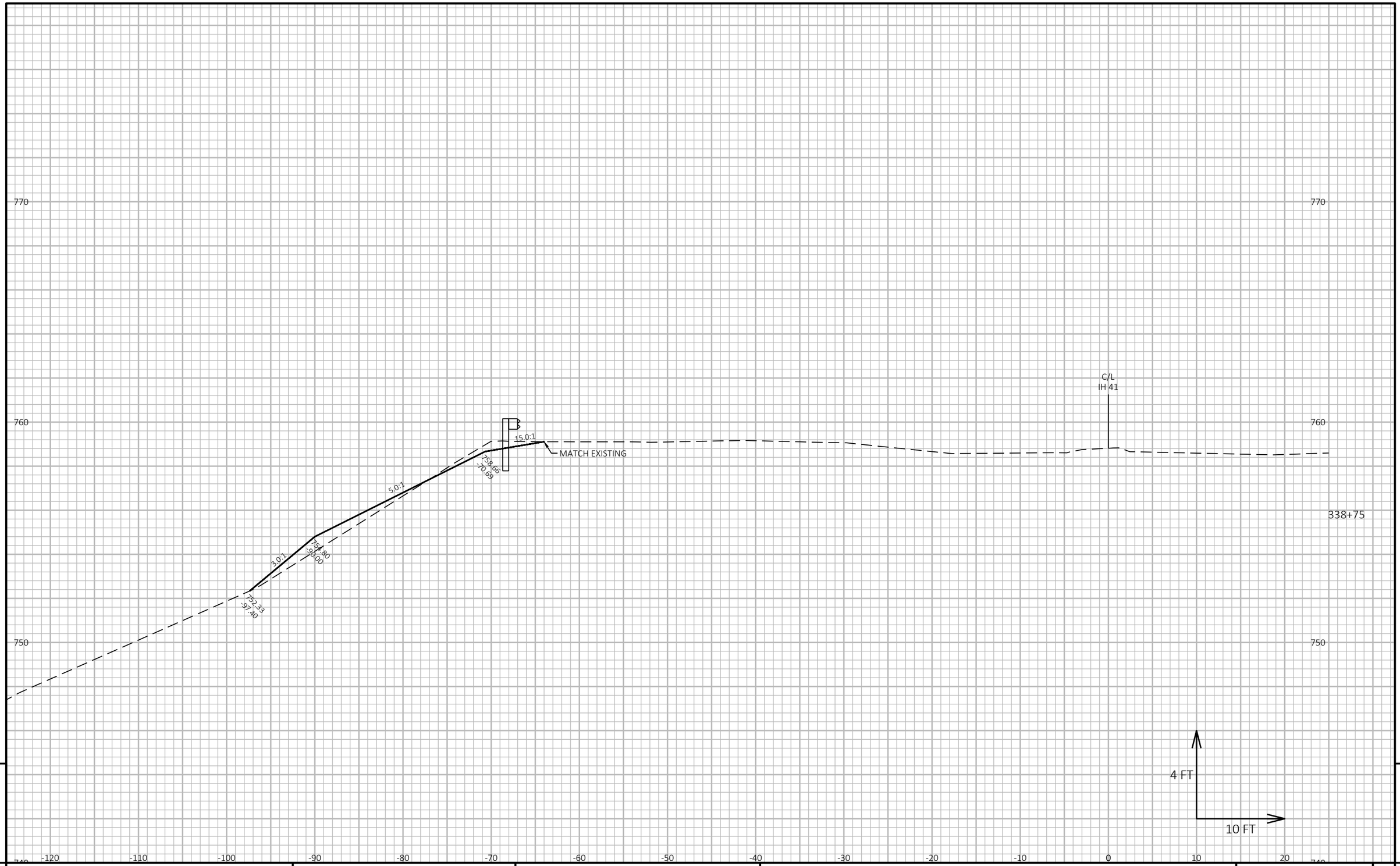
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PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: NB BEAMGUARD REPLACEMENT NEAR STA 331+65, R/L IH 41	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090211_XS_NB BG NEAR 331+65.DWG
LAYOUT NAME - 090209_XS

PLOT DATE : 6/29/2021 2:12 PM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

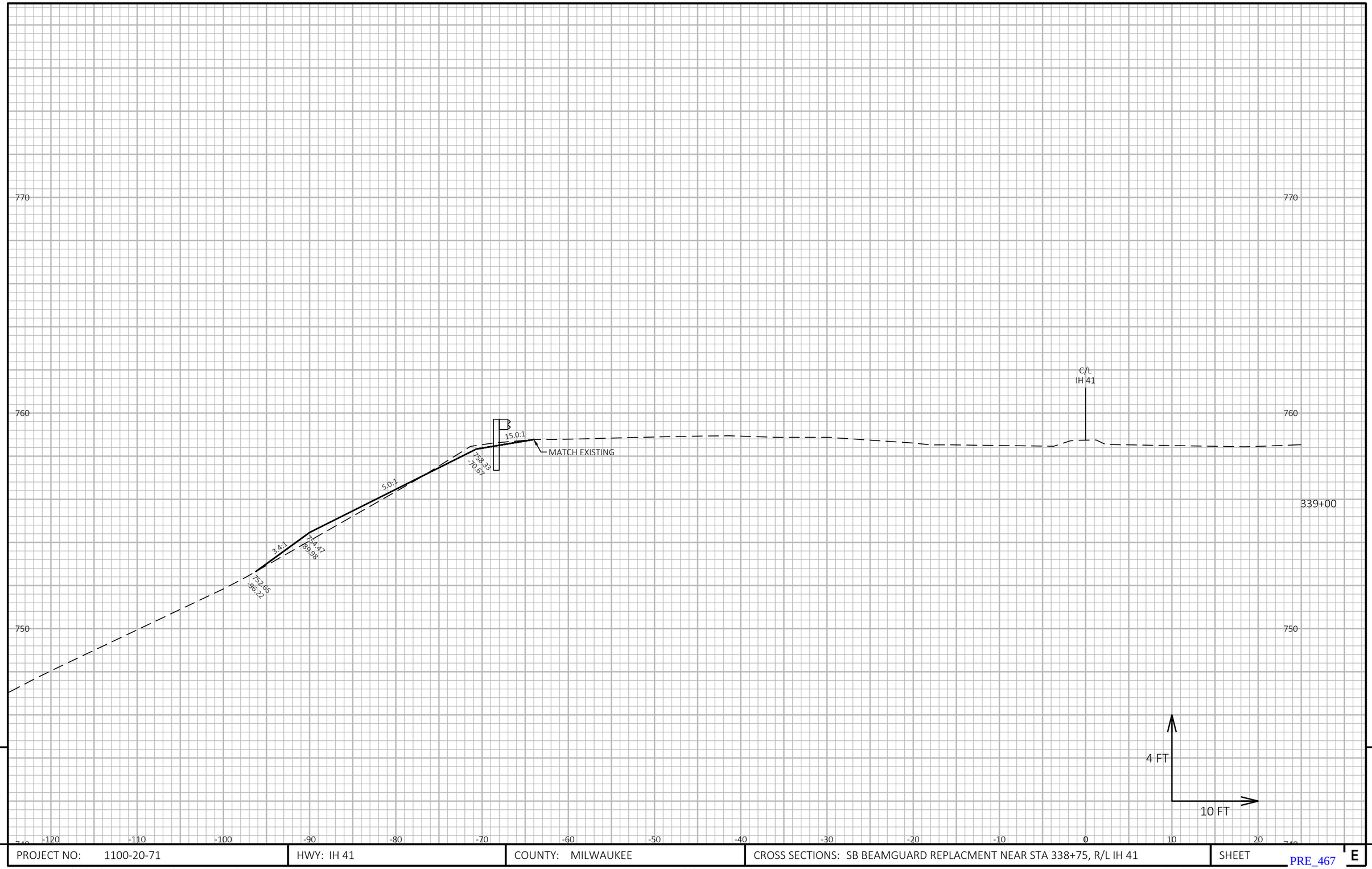
PRE_465



PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 338+75, R/L IH 41	SHEET PRE_466 E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090212_XS SB BG 338+75.DWG
LAYOUT NAME - 090201_XS

PLOT DATE : 6/29/2021 10:15 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.



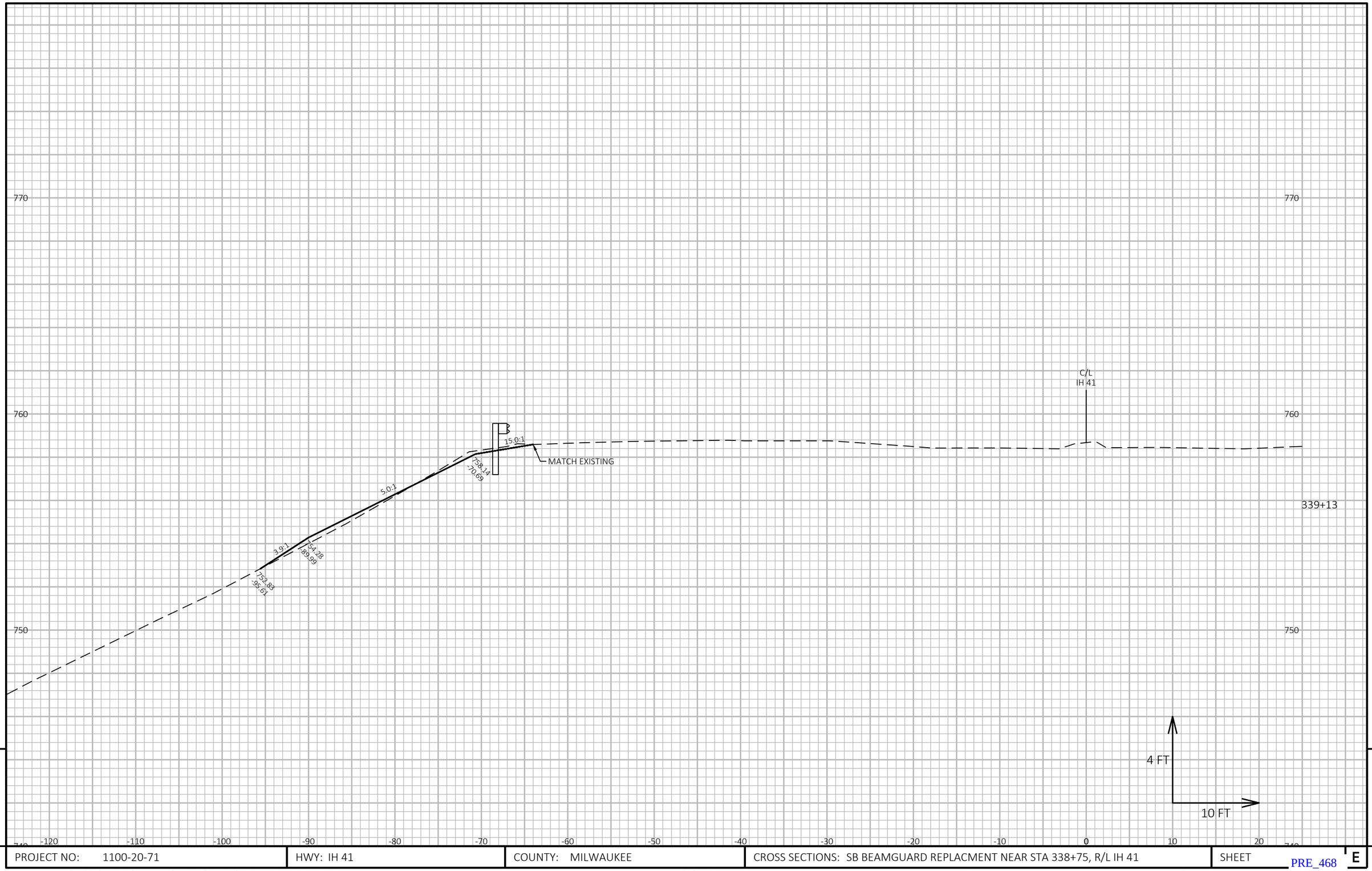
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 338+75, R/L IH 41	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090212_XS SB BG 338+75.DWG
LAYOUT NAME - 090202_XS

PLOT DATE : 6/29/2021 10:16 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_467

WISDOT/CADDS SHEET 49



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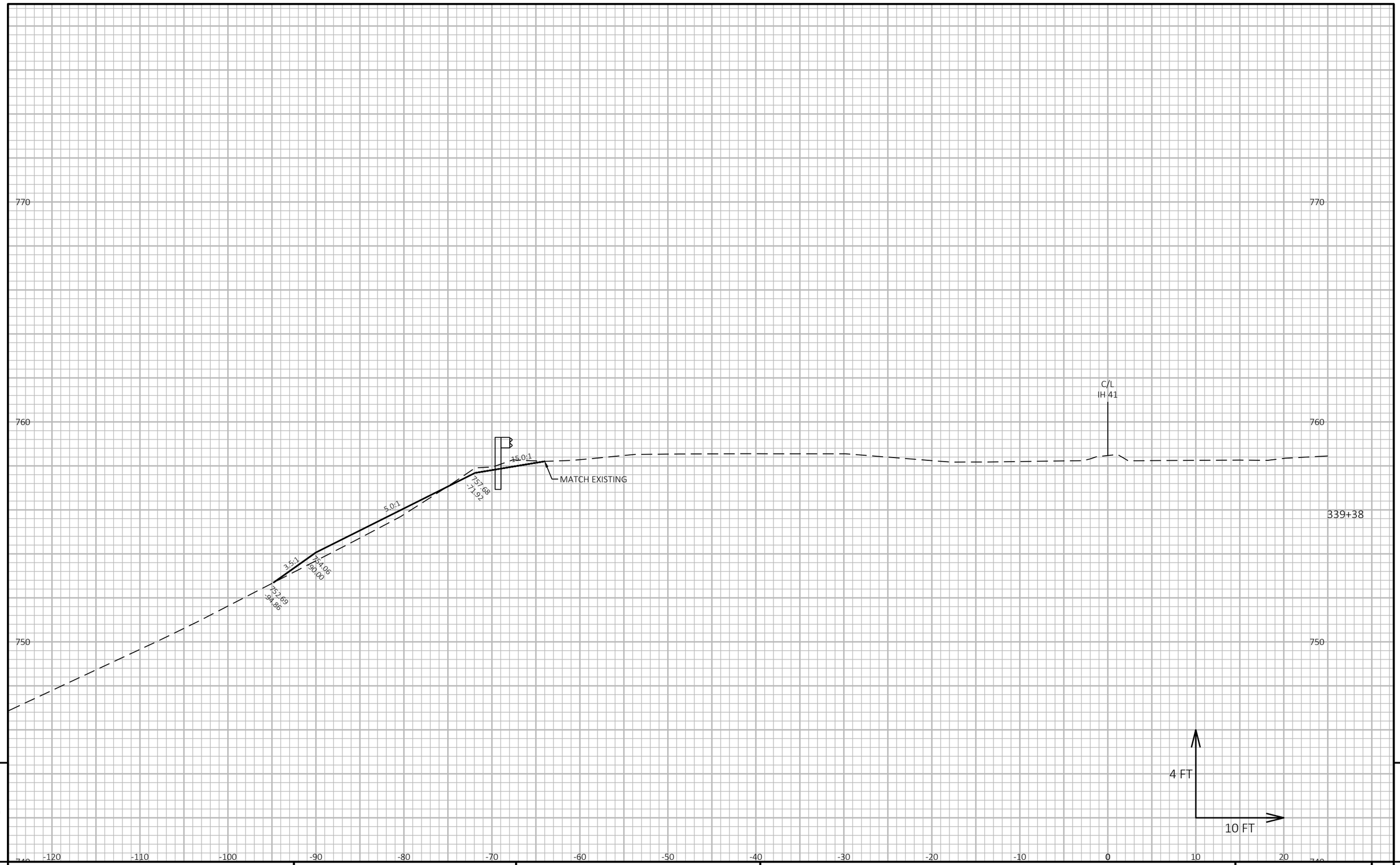
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 338+75, R/L IH 41	SHEET E

PRE_468

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090212_XS SB BG 338+75.DWG
LAYOUT NAME - 090203_XS

PLOT DATE : 6/29/2021 10:16 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



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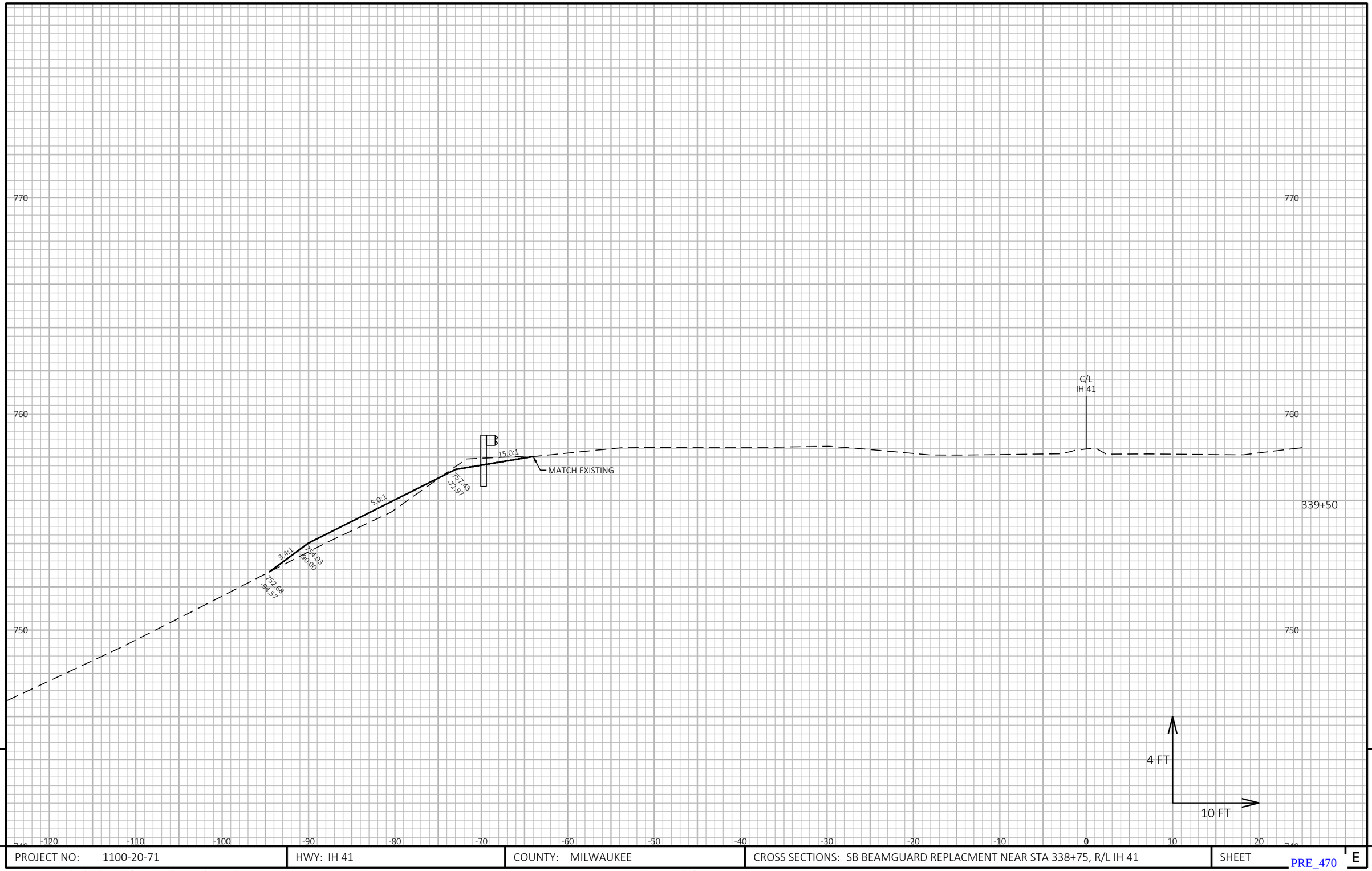
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 338+75, R/L IH 41	SHEET E

PRE_469

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090212_XS SB BG 338+75.DWG
LAYOUT NAME - 090204_XS

PLOT DATE : 6/29/2021 10:17 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



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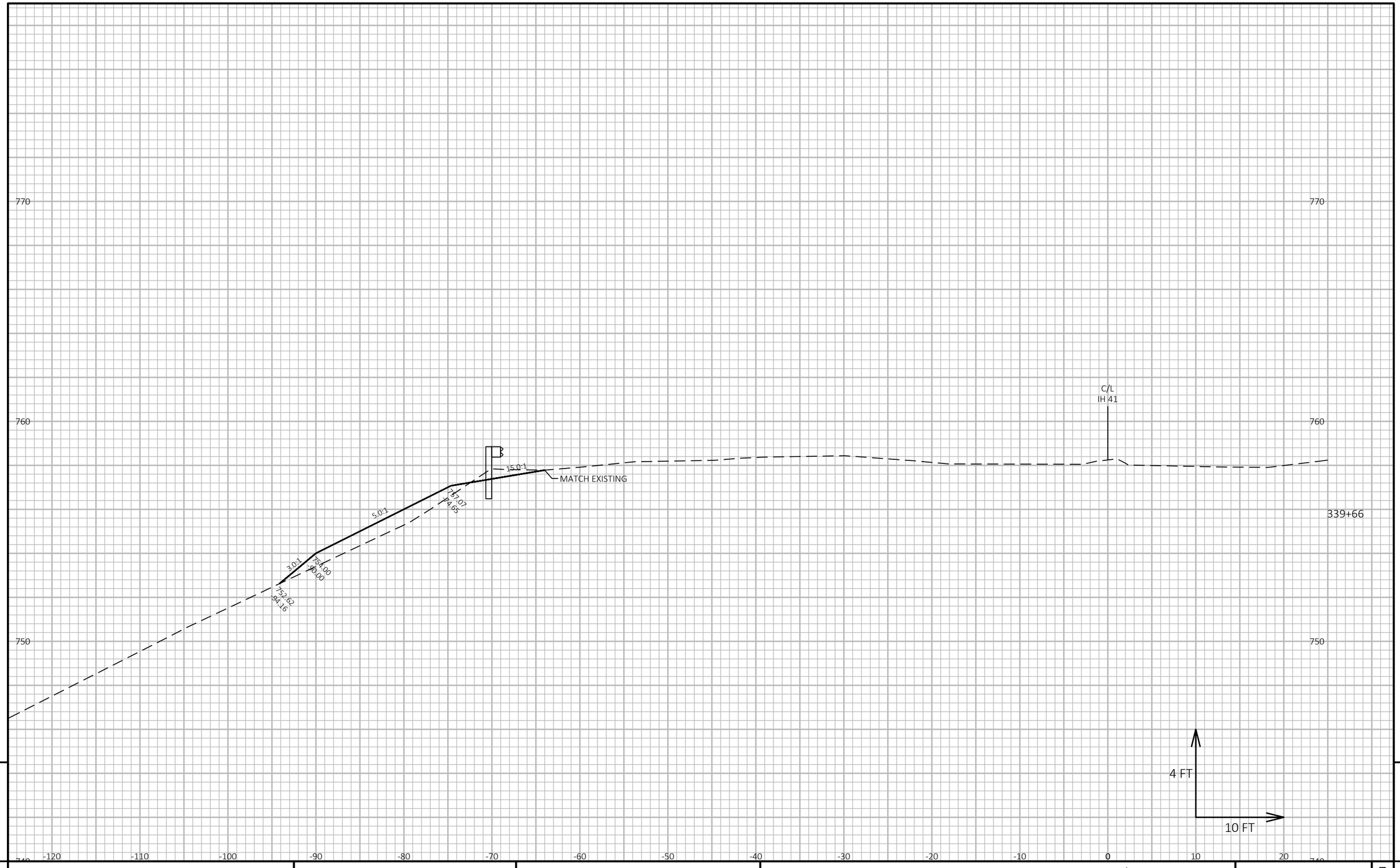
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 338+75, R/L IH 41	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090212_XS SB BG 338+75.DWG
LAYOUT NAME - 090205_XS

PLOT DATE : 6/29/2021 10:17 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_470

WISDOT/CADDS SHEET 49



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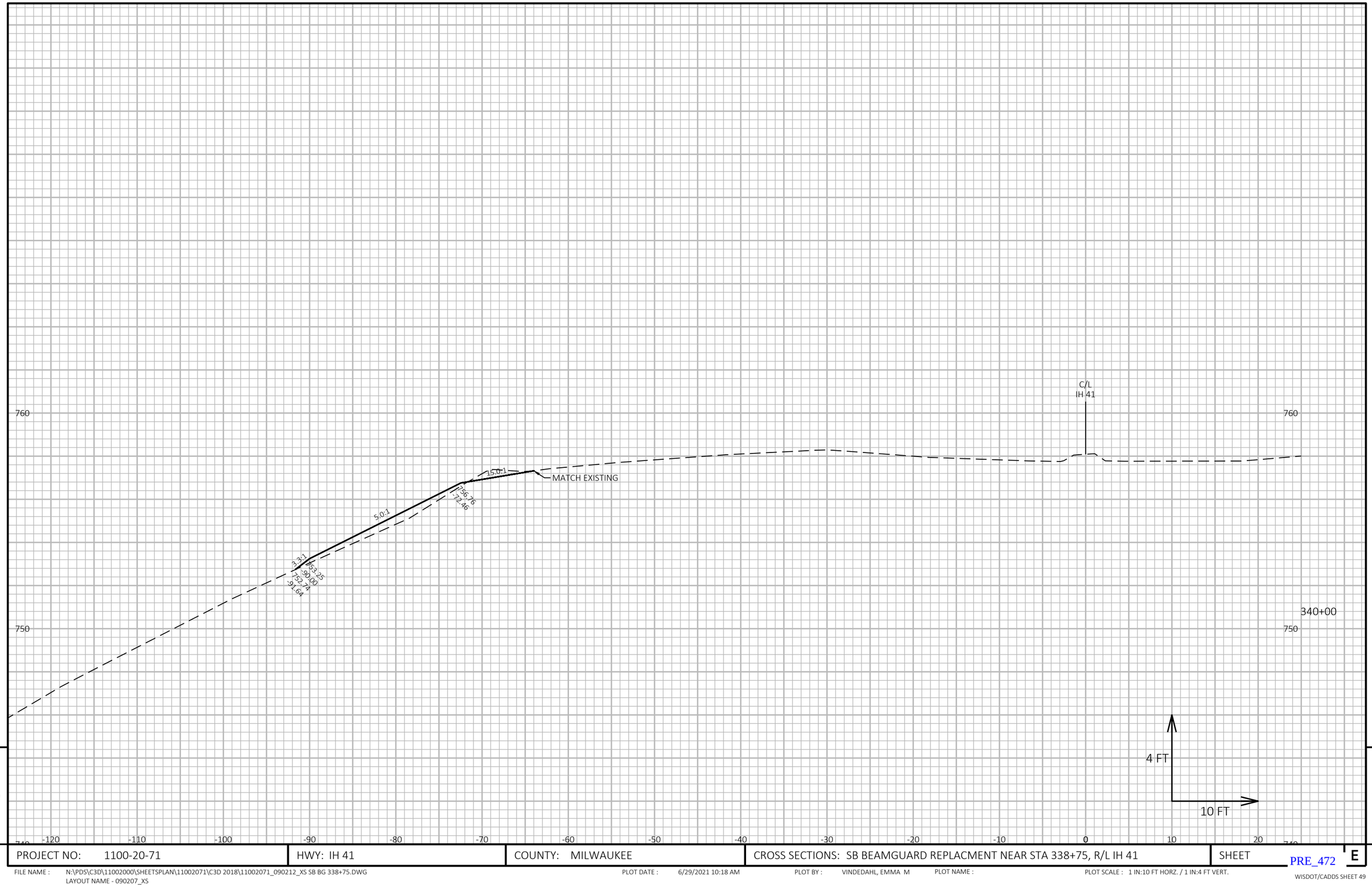
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 338+75, R/L IH 41	SHEET E

PRE_471

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090212_XS SB BG 338+75.DWG
LAYOUT NAME - 090206_XS

PLOT DATE : 6/29/2021 10:18 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



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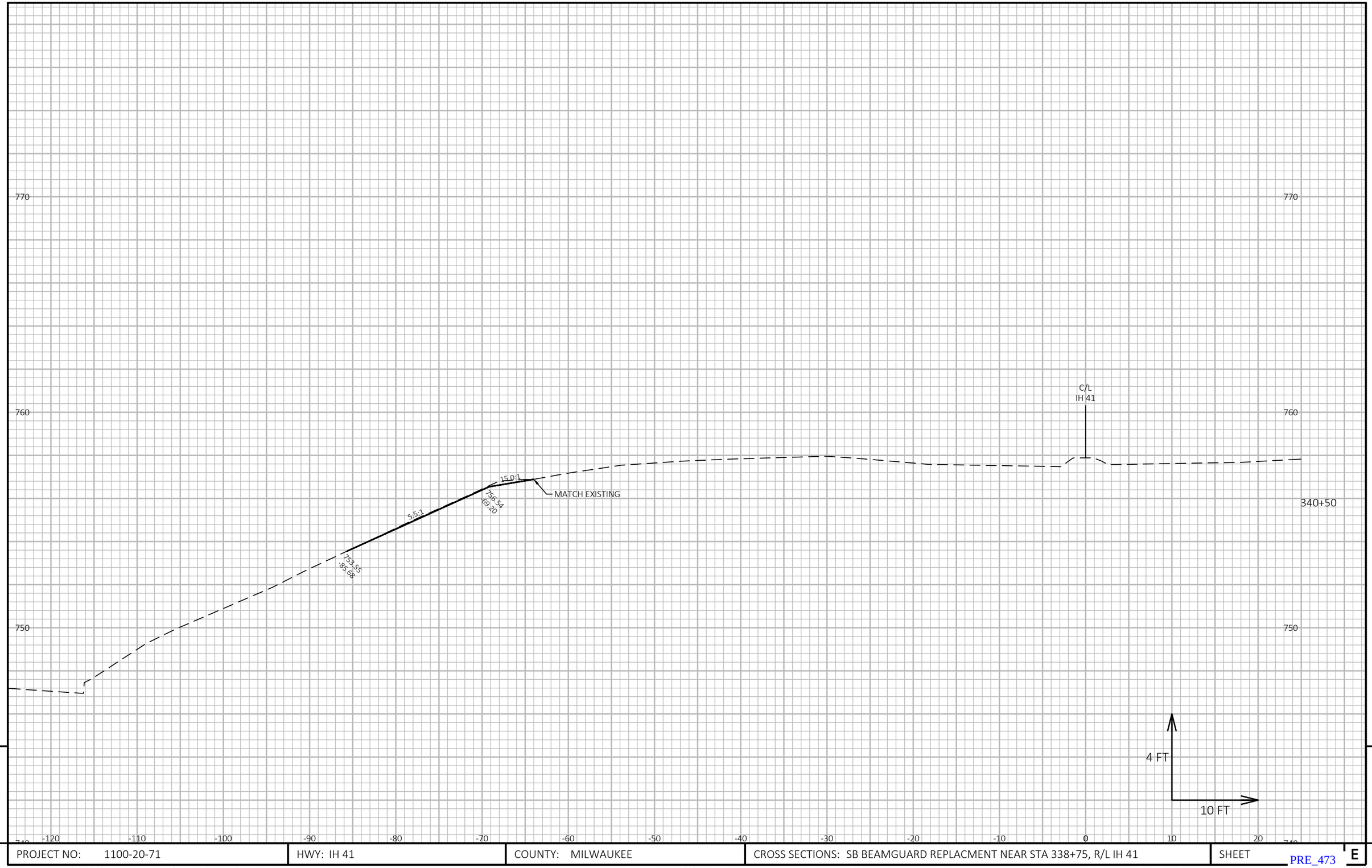
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 338+75, R/L IH 41	SHEET E

PRE_472

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090212_XS SB BG 338+75.DWG
LAYOUT NAME - 090207_XS

PLOT DATE : 6/29/2021 10:18 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



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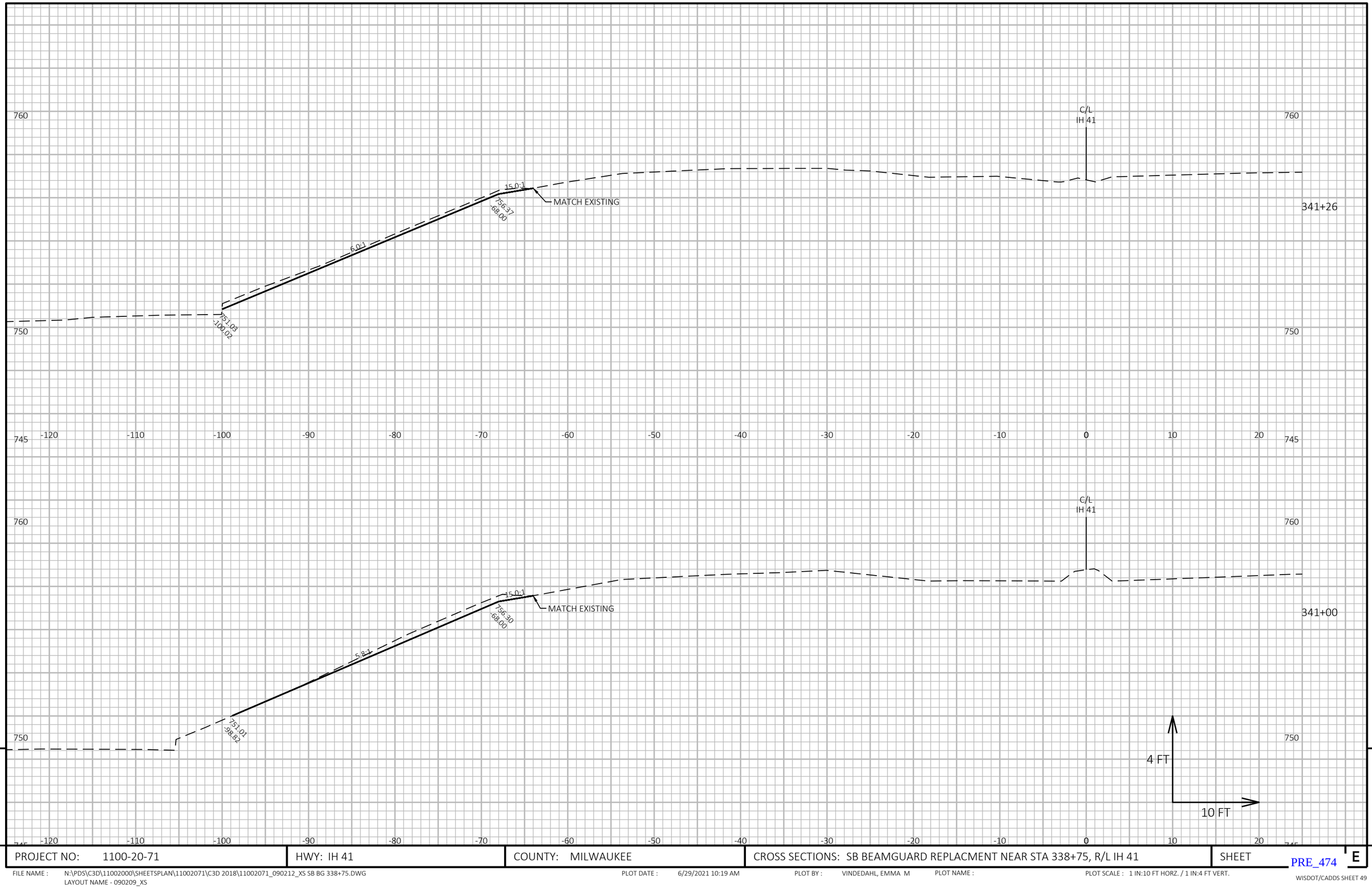
PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 338+75, R/L IH 41	SHEET E

PRE_473

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090212_XS SB BG 338+75.DWG
LAYOUT NAME - 090208_XS

PLOT DATE : 6/29/2021 10:19 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1100-20-71	HWY: IH 41	COUNTY: MILWAUKEE	CROSS SECTIONS: SB BEAMGUARD REPLACMENT NEAR STA 338+75, R/L IH 41	SHEET E

FILE NAME : N:\PDS\C3D\11002000\SHEETSPLAN\11002071\C3D 2018\11002071_090212_XS SB BG 338+75.DWG
LAYOUT NAME - 090209_XS

PLOT DATE : 6/29/2021 10:19 AM PLOT BY : VINDEDAHL, EMMA M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:4 FT VERT.

PRE_474

WISDOT/CADDS SHEET 49

WISCONSIN DEPARTMENT OF TRANSPORTATION

EPlans Preliminary Sheet Numbering Tool

This sheet: ftp://ftp.dot.state.wi.us/transp/roads/eplans/prelim_sheet_numbers.pdf

Notes

- Acrobat 5 or higher is required to use this tool.
- The Bureau of Highway Construction places sheet numbers in the final plan.
- This sheet is for placing preliminary sheet numbers with a “PRE_" prefix.
- If a plan contains multiple projects, number each plan individually.
- Leave this sheet in the plan.

TO ADD PRELIMINARY SHEET NUMBERS

1. Insert this sheet at the end of the plan

a. With the plan open in Acrobat, select Document > Insert Pages.
b. In the Select File to Insert dialog box, select this file (prelim_sheet_numbers.pdf)
c. In the Insert dialog box, choose After for Location and Last page for Page.
d. Click OK.

2. Click the Place Preliminary Sheet Numbers button

a. Go to the last sheet of the plan.
b. Click the Place Preliminary Sheet Numbers button once.
(The preliminary sheet number appears in the bottom right corner of the sheets.
The number should match te page number in the Acrobat Status bar).

3. Re-Save the PDF

a. Select File > Save As and save the PDF.

Place Preliminary Sheet Numbers

TO REMOVE PRELIMINARY SHEET NUMBERS

Remove