EAU

JULY 2024

PROJECT ID: 1020-07-79/80/81/82

WITH: N/A

COUNTY: ST. CROIX

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 = 738

04

DESIGN DESIGNATION

A.A.D.T.	2017	=	43,900
A.A.D.T.	2046	=	51,800
D.H.V.		=	5,316
D.D.		=	58% / 42%
T.		=	25.8%
DESIGN SPEED		=	70 MPH
ESALS		=	34,000,000

CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

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

UTILITIES

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1020-07-79	WISC 2024381	1
1020-07-80	WISC 2024383	1
1020-07-81	WISC 2024384	1
1020-07-82	WISC 2024385	1

HUDSON - BALDWIN
KINNEY ROAD BRIDGE WB B-55-0250

IH 94

ST. CROIX COUNTY

STATE PROJECT NUMBER: 1020-07-79

HUDSON - BALDWIN
KINNEY ROAD BRIDGE EB B-55-0251

IH 94

ST. CROIX COUNTY

STATE PROJECT NUMBER: 1020-07-80

HUDSON - BALDWIN
100TH ST/TWIN LK RD BR WB B-55-0252

IH 94

ST. CROIX COUNTY

STATE PROJECT NUMBER: 1020-07-81

HUDSON - BALDWIN
100TH ST/TWIN LK RD BR EB B-55-0253

IH 94

ST. CROIX COUNTY

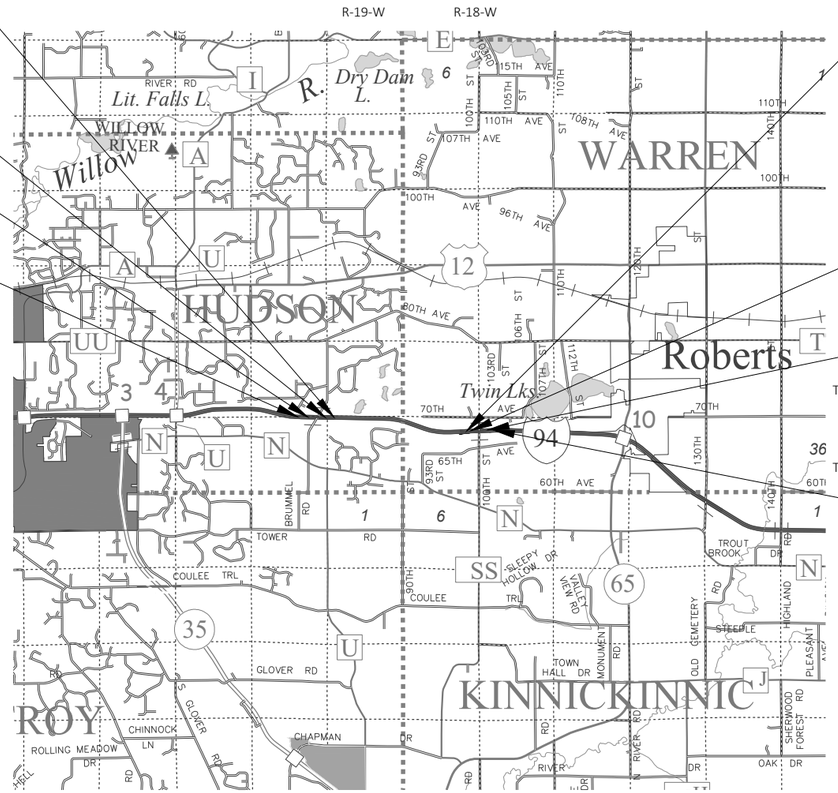
STATE PROJECT NUMBER: 1020-07-82

END PROJECT
ID 1020-07-79
STA 294'WB'+00
ID 1020-07-80
STA 294'EB'+00

STRUCTURE B-55-250
STA 282'WB'+18 - STA 283'WB'+62

STRUCTURE B-55-251
STA 281'EB'+59 - STA 282'EB'+03

BEGIN PROJECT
ID 1020-07-79
STA 269'WB'+00
Y = 338199.867
X = 539339.999
ID 1020-07-80
STA 269'EB'+00
Y = 338099.679
X = 539337.731



BEGIN PROJECT
ID 1020-07-81
STA 388'WB'+00
Y = 337197.372
X = 551104.118
ID 1020-07-82
STA 388'EB'+00
Y = 337073.835
X = 551109.202

STRUCTURE B-55-252
STA 395'WB'+92 - STA 397'WB'+09

STRUCTURE B-55-253
STA 395'EB'+88 - STA 397'EB'+05

END PROJECT
ID 1020-07-81
STA 407'WB'+00
ID 1020-07-82
STA 407'EB'+00

LAYOUT SCALE 0 2 MI

1020-07-79 TOTAL NET LENGTH OF CENTERLINE =	0.473 MI.
1020-07-80 TOTAL NET LENGTH OF CENTERLINE =	0.473 MI.
1020-07-81 TOTAL NET LENGTH OF CENTERLINE =	0.360 MI.
1020-07-82 TOTAL NET LENGTH OF CENTERLINE =	0.360 MI.
TOTAL =	1.666 MI.

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), ST. CROIX COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES. ELEVATIONS ARE REFERENCED TO NAVD 88 (2012).

ORIGINAL PLANS PREPARED BY

Michael Baker INTERNATIONAL

WISCONSIN
ALEX M. BROMLEY
E-37718
MERRIMAC
WI
PROFESSIONAL ENGINEER

DATE: 3/27/2024 (Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	CBS SQUARED INC.
Designer	MICHAEL BAKER INTERNATIONAL
Project Manager	JESSE LARSON, PE
Regional Examiner	REGIONAL EXAMINER
Regional Supervisor	NICOLE PASSUELLO, PE

APPROVED FOR THE DEPARTMENT

DATE: 3/27/2024 Jesse Larson (Signature)

E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\010101-TI.DWG

PLOT DATE : 3/27/2024 8:24 AM

PLOT BY : WAGNER, NOLAN

PLOT NAME :

GENERAL NOTES

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

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED AND MULCHED.

A SAWED JOINT IS REQUIRED WHERE NEW HMA PAVEMENT MEETS EXISTING ASPHALTIC CONCRETE PAVEMENT.

A CONVERSION FACTOR OF 2.00 TONS/CY IS USED TO ESTIMATE QUANTITIES FOR BASE AGGREGATE.

A CONVERSION FACTOR OF 110 LB/SY-IN IS USED TO ESTIMATE QUANTITIES FOR HMA PAVEMENT.

WHEN THE QUALITY OF BASE AGGREGATE OR HMA PAVEMENT IS MEASURED FOR PAYMENT BY THE TON, THE DEPTH OR THICKNESS OF THE LAYER SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

THE EROSION CONTROL FEATURES SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

FERTILIZER SHALL NOT BE USED WITHIN 100 FEET OF NAVIGABLE WATERWAYS OR WETLANDS.

INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS.

THE LOCATIONS 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 CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK.

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

EXISTING TOPSOIL DEPTH VARIES. GEOTECHNICAL REPORTS AVAILABLE UPON REQUEST

CONSTRUCT HMA PAVEMENT WITH THE FOLLOWING LAYERS:

PAVEMENT TYPE	TOTAL LAYER PAVEMENT THICKNESS	LAYERS	NOMINAL MAXIMUM SIZE GRADATION
4 HT 58-34 V 4 HT 58-34 V 4 HT 58-34 V 4 HT 58-34 V	11 $\frac{1}{4}$ "	2 $\frac{1}{4}$" UPPER LAYER 3" LOWER-UPPER LAYER 3" UPPER-LOWER LAYER 3" LOWER LAYER	12.5 MM 12.5 MM 19.0 MM 19.0 MM
4 MT 58-34 S	4.5"	2" UPPER LAYER 2.5" LOWER LAYER	12.5 MM
4 MT 58-34 S OVER 3 MT 58-34 S	5"	2" UPPER LAYER 3" LOWER LAYER	12.5 MM
ASPHALTIC SURFACE TEMPORARY	6"	3" UPPER LAYER 3" LOWER LAYER	25.0 MM

REFERENCE LINE ABBREVIATIONS

'WB' IH 94 WESTBOUND
'EB' IH 94 EASTBOUND
'WBX' IH 94 WESTBOUND EXISTING
'EBX' IH 94 EASTBOUND EXISTING
'WBM' IH 94 WESTBOUND TEMPORARY MEDIAN
'EBM' IH 94 EASTBOUND TEMPORARY MEDIAN
'KX' KINNEY ROAD - EXISTING
'CX' 100TH STREET - EXISTING
'R' HUDSON STATE WEIGHT ENFORCEMENT FACILITY (SWEF) #61 RAMP
'RX' HUDSON STATE WEIGHT ENFORCEMENT FACILITY (SWEF) #61 RAMP - EXISTING

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
REMOVAL
PLAN DETAILS
EROSION CONTROL AND DRAINAGE
PAVEMENT MARKING
STAGING AND TRAFFIC CONTROL PLAN
ALIGNMENT PLAN

UTILITY CONTACTS

COMMUNICATIONS LINE

AT&T LEGACY
KEN NINE
110 N MAIN STREET
CULVER, IN 46511
PHONE: (574) 904-6336
EMAIL: KNINE@JMCEAINC.COM

AT&T WISCONSIN
RICK PODOLAK
304 S DEWEY ST
4TH FLOOR
EAU CLAIRE, WI 54701
PHONE: (715) 839-5565
EMAIL: RICK.T.PODOLAK@ATT.COM

BALDWIN TELECOM, INC.
MATT KNEGENDORF
930 MAPLE ST
BALDWIN, WI 54002
(715) 688-1034 (OFFICE)
(715) 760-0968 (MOBILE)
EMAIL: MKNEGENDORF@LSWI.NET

FRONTIER COMMUNICATIONS OF WI LLC
CHRIS POLLACK
421 4TH ST
WAUSAU, WI 54403
PHONE: (715) 847-1240
EMAIL: CHRISTOPHER.POLLACK@FTR.COM

LEVEL 3 COMMUNICATIONS LLC
1025 ELDORADO BLVD
BROOMFIELD, CO 80021
PHONE: (720) 888-1089
EMAIL: RELOCATIONS@LUMEN.COM

GAS/PETROLUEM

MIDWEST NATURAL GAS, INC.
AARON WELSH
3600 STATE HIGHWAY 157, STE. 200
P.O. BOX 429
LA CROSSE, WI 54602-0429
PHONE: (608) 630-0515
EMAIL: AARONW@MIDWESTNATURALGAS.COM

MIDWEST NATURAL GAS, INC.
24 HOUR EMERGENCY (GAS)
PHONE: (877) 817-3119

ELECTRICITY

ST CROIX ELECTRIC COOPERATIVE
BRIAN FERG
1925 RIDGEWAY STREET
P.O. BOX 160
HAMMOND, WI 54015
PHONE: (715) 796-5633
EMAIL: BRIANF@SCECNET.NET

XCEL ENERGY
DAWN SCHULTZ
1414 W HAMILTON AVE
P.O. BOX 8
EAU CLAIRE, WI 54702-0008
PHONE: (715) 737-2482
EMAIL: DAWN.SCHULTZ@XCELENERGY.COM

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

AGENCIES

WISCONSIN DEPARTMENT OF TRANSPORTATION

WISDOT NORTHWEST REGION
JESSE LARSON
718 WEST CLAIREMONT AVENUE
EAU CLAIRE, WI 54701
PHONE: (715) 491-1470
EMAIL: JESSE.LARSON@DOT.WI.GOV

WISCONSIN DNR LIAISON

DNR WEST CENTRAL REGION HQ
AMY LESIK
1300 WEST CLAIREMONT AVENUE
EAU CLAIRE, WI 54701
PHONE: (715) 836-6571
EMAIL: AMYL.LESIK@WISCONSIN.GOV

HUDSON SAFETY AND WEIGHT ENFORCEMENT FACILITY #61

WISDOT DIVISION OF STATE PATROL
LIEUTENANT WILLIAM BERGER
PHONE: (715) 382-3745
EMAIL: WILLIAM.BERGER@DOT.WI.GOV

DESIGN CONTACT

MICHAEL BAKER INTERNATIONAL
ALEX BROMLEY
1255 FOURIER DRIVE, #100
MADISON, WI, 53717
PHONE: (608) 370-0563
EMAIL: ALEX.BROMLEY@MBAKERINTL.COM

TOWN OF HUDSON

BEGIN CONSTRUCTION
STA 256'WBM'+50

BEGIN PROJECT
ID 1020-07-79
STA 269'WB'+00

R/L IH 94 WB MEDIAN

R/L IH 94 EB MEDIAN

EXISTING R/L KINNEY ROAD

KINNEY ROAD

STRUCTURE B-55-250
B-55-31 EXIST

END PROJECT
ID 1020-07-79
STA 294'WB'+00

EXISTING R/L IH 94 WB

IH 94 WB
IH 94 EB

EXISTING R/L IH 94 EB

END CONSTRUCTION
STA 307'WBM'+00

BEGIN PROJECT
ID 1020-07-80
STA 269'WB'+00

STRUCTURE B-55-251
B-55-32 EXIST

END PROJECT
ID 1020-07-80
STA 294'EB'+00

2

TOWN OF WARREN

BEGIN PROJECT
ID 1020-07-81
STA 388'WB'+00

R/L IH 94 WB MEDIAN

R/L IH 94 EB MEDIAN

100TH STREET/
TWIN LAKE ROAD

STRUCTURE B-55-252
B-55-33 EXIST

END PROJECT
ID 1020-07-81
STA 407'WB'+00

EXISTING R/L IH 94 WB

IH 94 WB
IH 94 EB

EXISTING R/L IH 94 EB

BEGIN CONSTRUCTION
STA 371'EBM'+99

STATE WEIGHT ENFORCEMENT FACILITY

BEGIN PROJECT
ID 1020-07-82
STA 388'EB'+00

EXISTING R/L 100TH STREET

STRUCTURE B-55-253
B-55-34 EXIST

END CONSTRUCTION
STA 419'WBM'+00

END PROJECT
ID 1020-07-82
STA 407'EB'+00

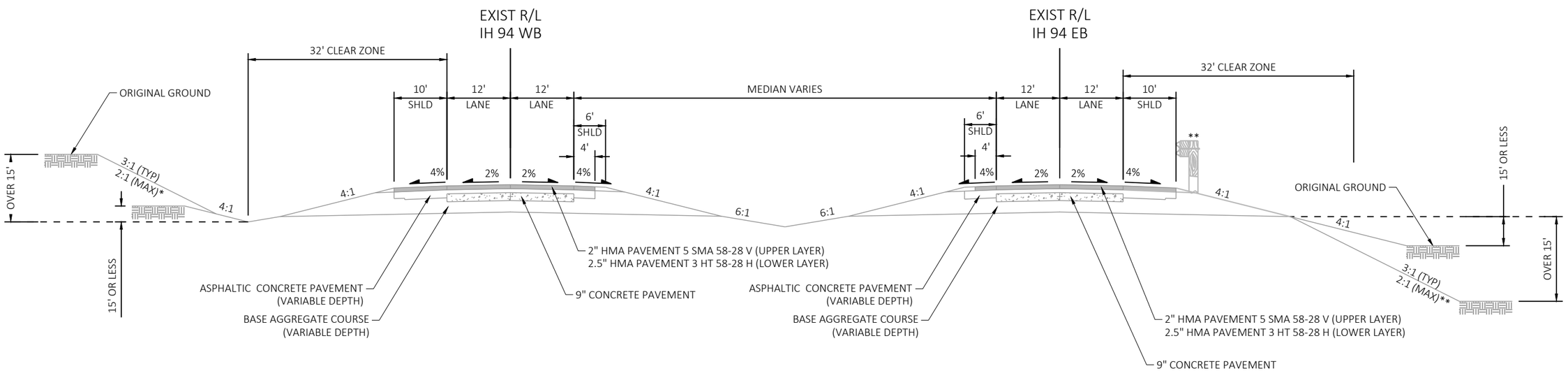
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	PROJECT OVERVIEW	SHEET 3	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\020201-PO.DWG
LAYOUT NAME - 020201-PO
PLOT DATE : 5/8/2024 4:44 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 44

LEGEND

ASPHALTIC SURFACE

CONCRETE PAVEMENT



TYPICAL EXISTING SECTION
STA 269'EBX'+00 TO 407'EBX'+00

NOTES
CROSS SLOPES VARY IN AREAS OF EXISTING SUPER ELEVATION.

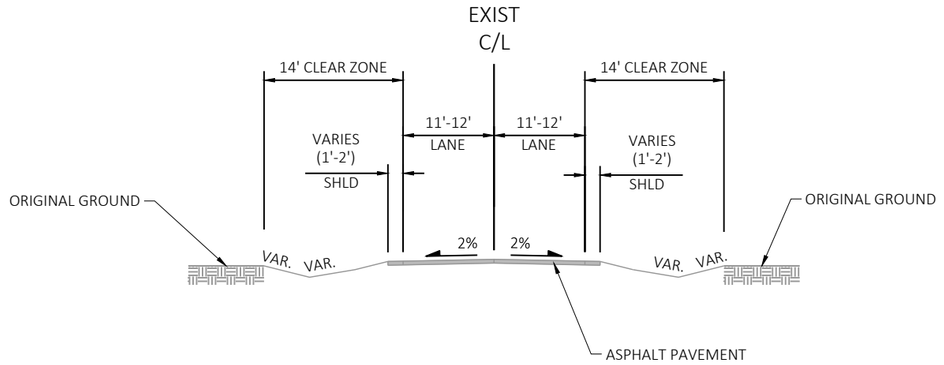
*2:1 CUT SLOPE LOCATIONS
STA 288'WBX'+15 TO 299'WBX'+75
STA 288'EBX'+75 TO 300'EBX'+00
**2:1 FILL SLOPE LOCATIONS WITH GUARDRAIL
STA 280'EBX'+25 TO 287'EBX'+75
STA 278'WBX'+50 TO 286'WBX'+00
STA 390'EBX'+75 TO 393'EBX'+75
STA 391'WBX'+50 TO 394'WBX'+50
STA 402'WBX'+00 TO 406'WBX'+50

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TYPICAL SECTIONS - EXISTING	SHEET 4	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020301-ts
PLOT DATE : 5/8/2024 4:44 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

LEGEND

ASPHALTIC SURFACE



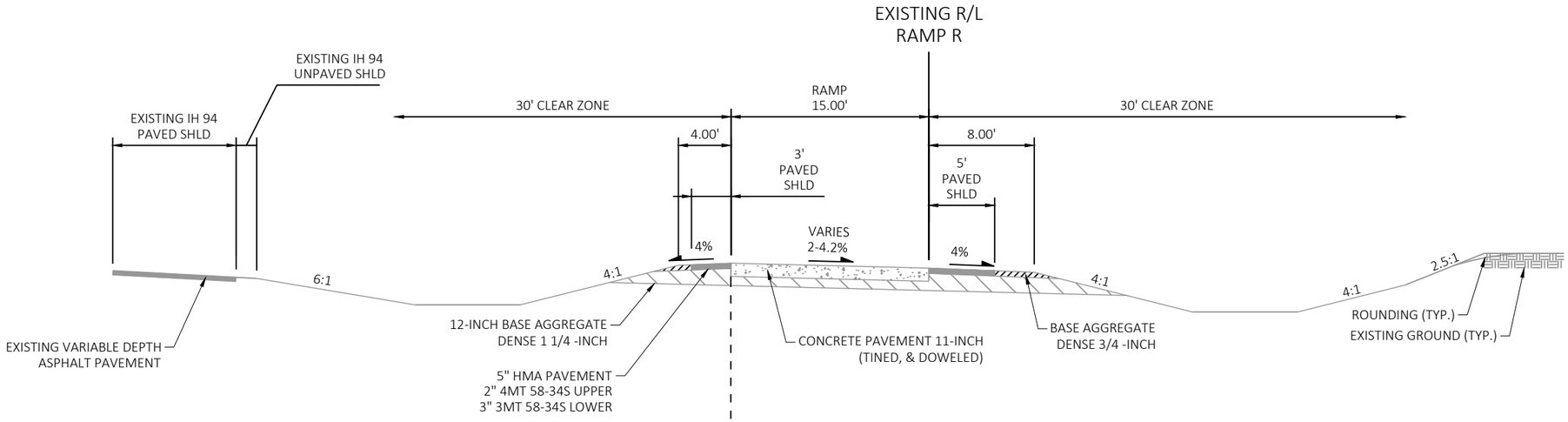
TYPICAL EXISTING SECTION
KINNEY ROAD
100TH STREET

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TYPICAL SECTIONS - EXISTING	SHEET 5	E

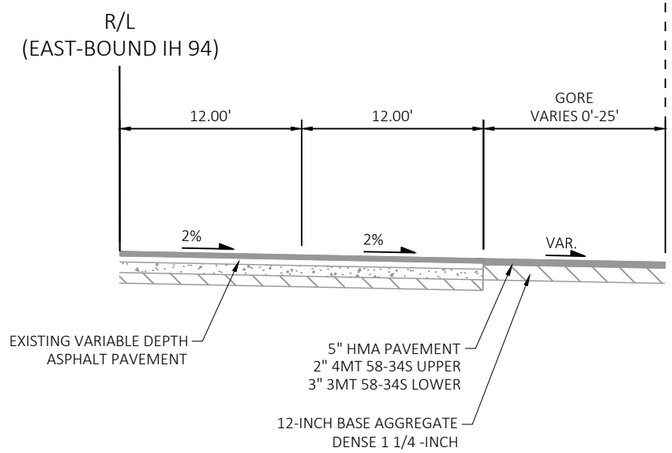
2

LEGEND

- ASPHALTIC SURFACE
- BASE AGGREGATE DENSE 1 1/4-INCH
- BASE AGGREGATE DENSE 3/4-INCH
- CONCRETE PAVEMENT



TYPICAL EXISTING SECTION, RAMP
STA 383'RX'+50 TO STA 387'RX'+94



STA 383'RX'+50 TO STA 387'RX'+94

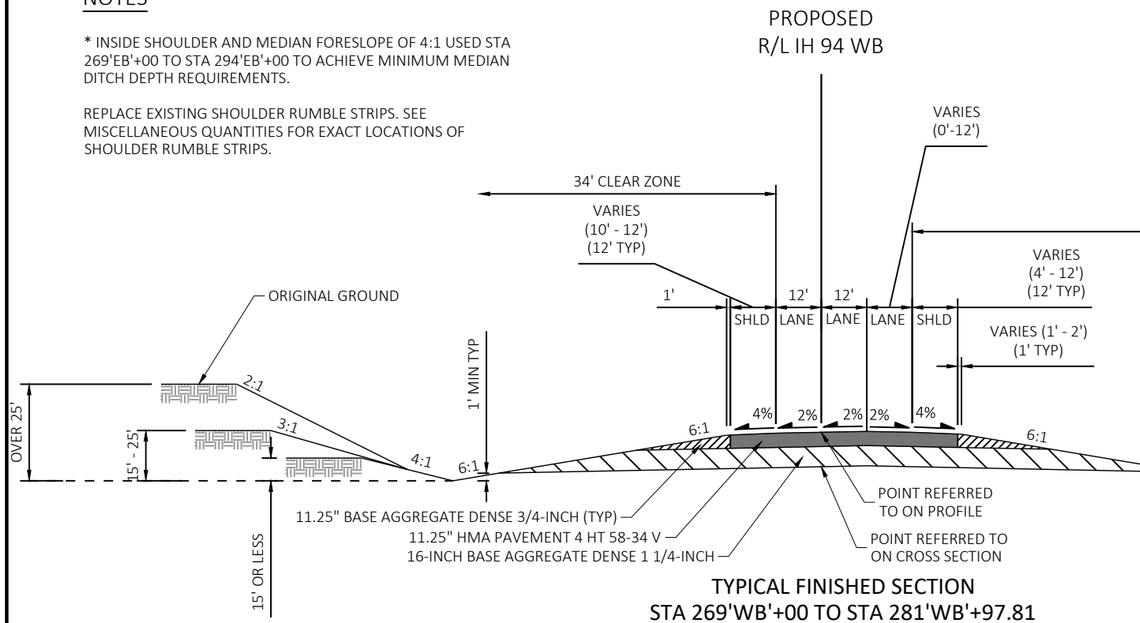
LEGEND

- ASPHALTIC SURFACE
- BASE AGGREGATE DENSE 1 1/4-INCH
- BASE AGGREGATE DENSE 3/4-INCH

NOTES

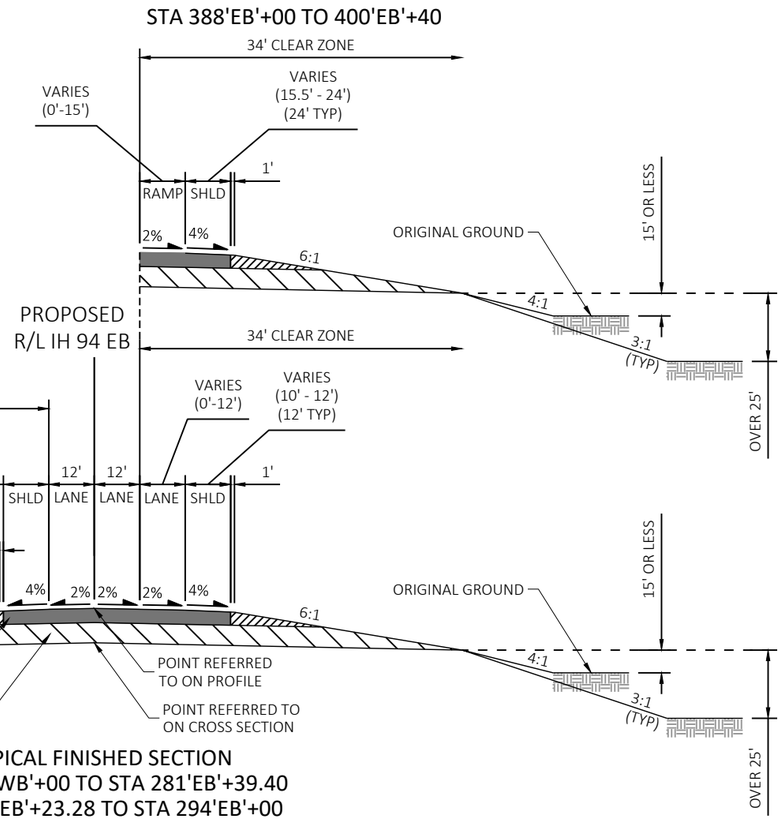
* INSIDE SHOULDER AND MEDIAN FORESLOPE OF 4:1 USED STA 269'EB'+00 TO STA 294'EB'+00 TO ACHIEVE MINIMUM MEDIAN DITCH DEPTH REQUIREMENTS.

REPLACE EXISTING SHOULDER RUMBLE STRIPS. SEE MISCELLANEOUS QUANTITIES FOR EXACT LOCATIONS OF SHOULDER RUMBLE STRIPS.

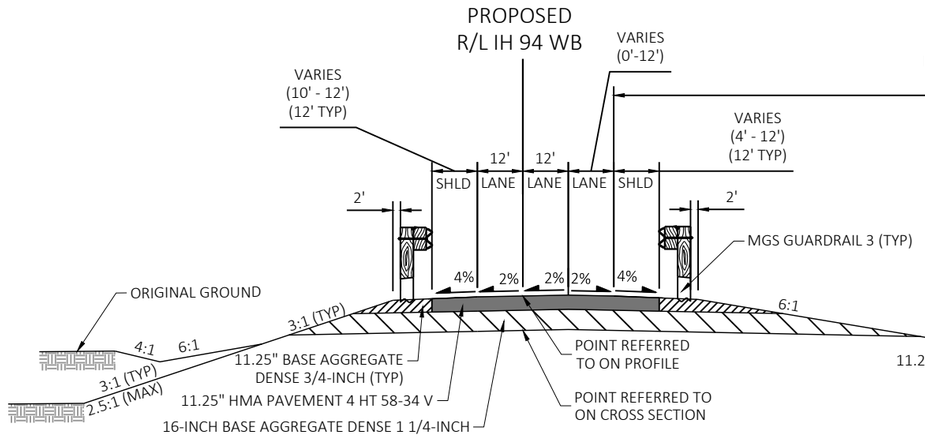


TYPICAL FINISHED SECTION
STA 269'WB'+00 TO STA 281'WB'+97.81
STA 283'WB'+81.69 TO STA 294'WB'+00
STA 388'WB'+00 TO STA 395'WB'+72.16
STA 397'WB'+28.66 TO STA 407'WB'+00

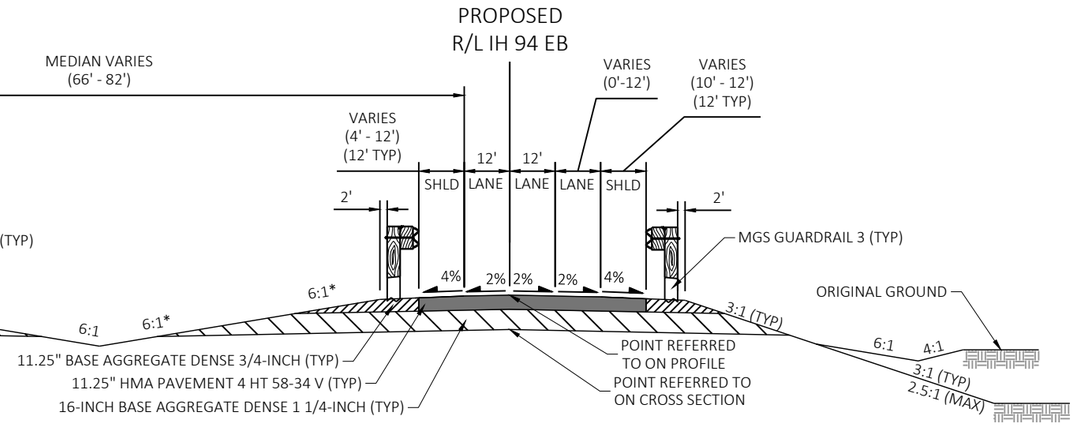
STA 388'EB'+00 TO 400'EB'+40



TYPICAL FINISHED SECTION
STA 269'WB'+00 TO STA 281'EB'+39.40
STA 282'EB'+23.28 TO STA 294'EB'+00
STA 388'EB'+00 TO STA 394'EB'+24.57
STA 395'EB'+68.07 TO STA 407'EB'+00



TYPICAL FINISHED SECTION - MGS GUARDRAIL
STA 283'WB'+95 LT TO STA 286'WB'+50 LT
STA 283'WB'+60 RT TO STA 286'WB'+15 RT
STA 397'WB'+28 LT TO 399'WB'+83 LT
STA 397'WB'+28 RT TO STA 399'WB'+83 RT



TYPICAL FINISHED SECTION - MGS GUARDRAIL
STA 278'EB'+97 LT TO STA 281'EB'+52 LT
STA 278'EB'+62 RT TO STA 289'EB'+00 RT
STA 393'EB'+11 LT TO STA 395'EB'+68 LT
STA 393'EB'+11 RT TO STA 395'EB'+68 RT

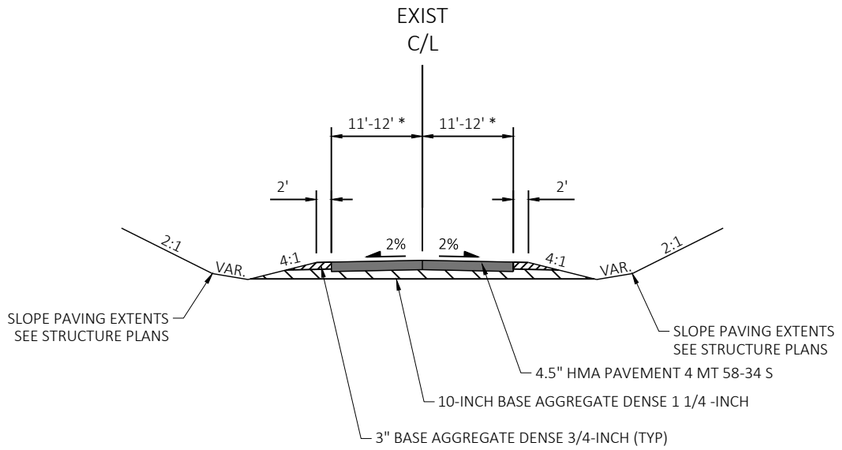
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TYPICAL SECTIONS - FINISHED	SHEET 7	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\020302-TS.DWG
LAYOUT NAME - 020304-ts
PLOT DATE : 5/8/2024 4:44 PM
PLOT BY : BRUCKNER, KAITLYN
PLOT NAME :
PLOT SCALE : 1 IN:15 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- ASPHALTIC SURFACE
- BASE AGGREGATE DENSE 1 1/4-INCH
- BASE AGGREGATE DENSE 3/4-INCH

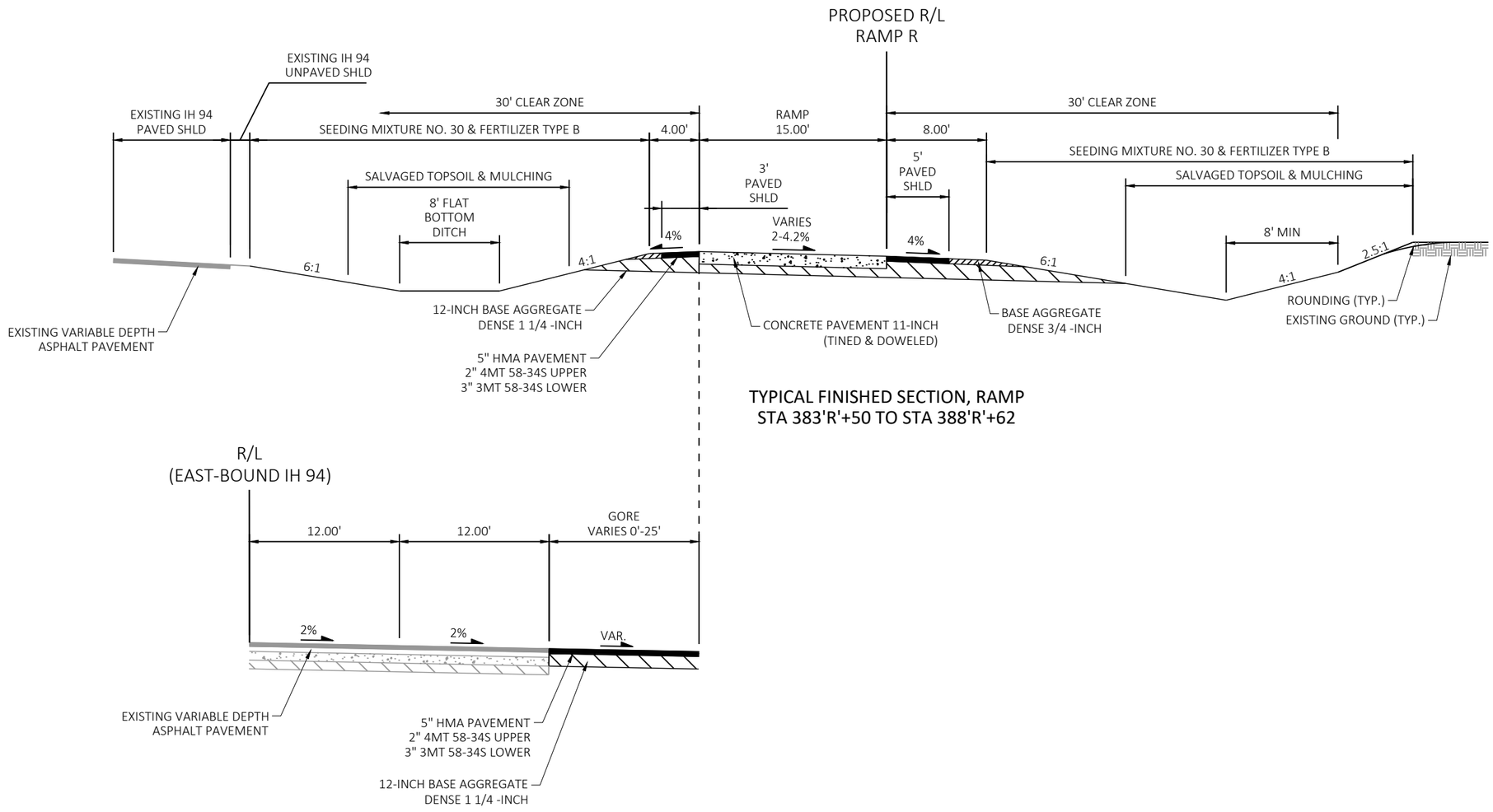


* 12' LANES ON KINNEY ROAD,
11' LANES ON 100TH STREET

TYPICAL FINISHED SECTION
KINNEY ROAD
100TH STREET

LEGEND

- ASPHALTIC SURFACE
- BASE AGGREGATE DENSE 1 1/4-INCH
- BASE AGGREGATE DENSE 3/4-INCH
- CONCRETE PAVEMENT



TYPICAL FINISHED SECTION, RAMP
STA 383'R'+50 TO STA 388'R'+62

STA 385'R'+76 TO STA 388'R'+62

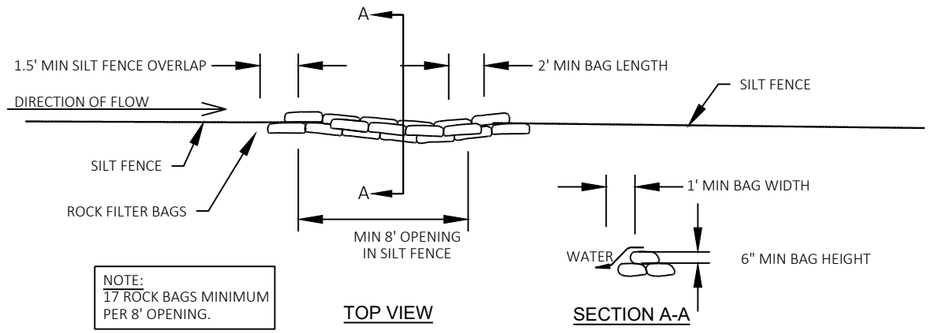
2

RUNOFF COEFFICIENT TABLE

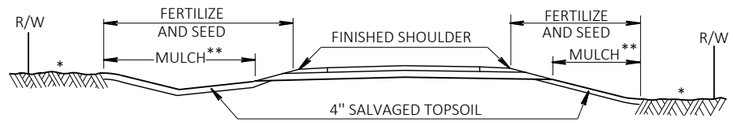
	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33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

TOTAL PROJECT AREA = __32.3__ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = __27.7__ACRES

2

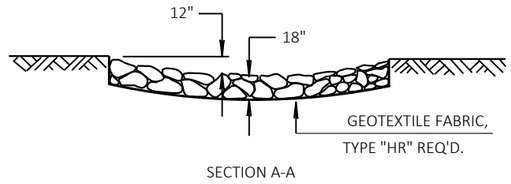


ROCK BAGS USED FOR SILT FENCE RELIEF

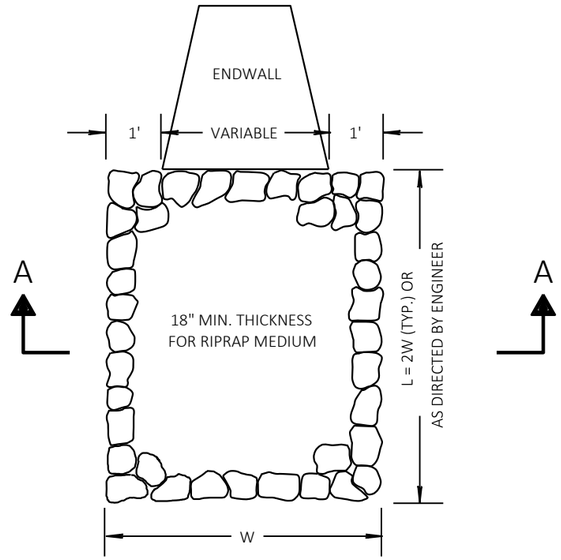


DETAIL FOR FINISHING ITEMS

2



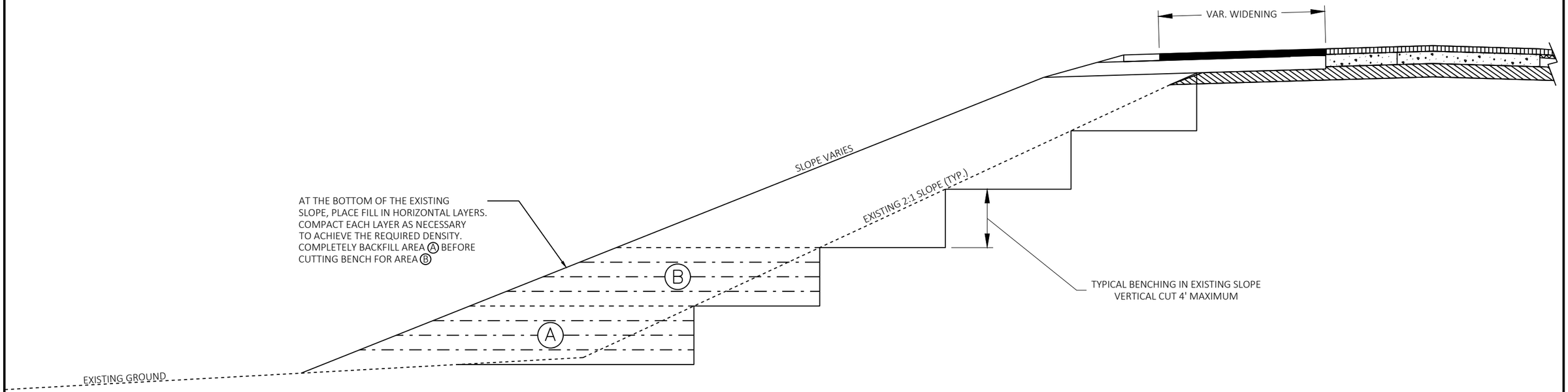
SECTION A-A



RIPRAP MEDIUM TREATMENT AT CULVERTS

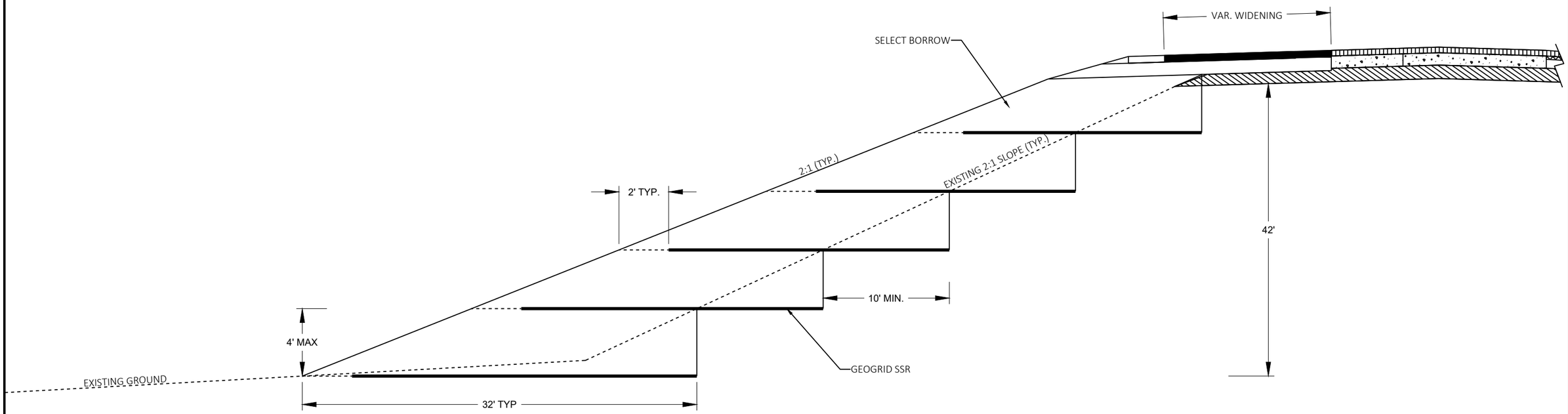
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CONSTRUCTION DETAILS	SHEET 12	E

2



DETAIL SHOWING METHOD FOR
BENCHING FILL INTO EXISTING EMBANKMENT
STA 283'EB'+00 - 284'EB'+50
STA 287'EB'+50 - 288'EB'+00

2

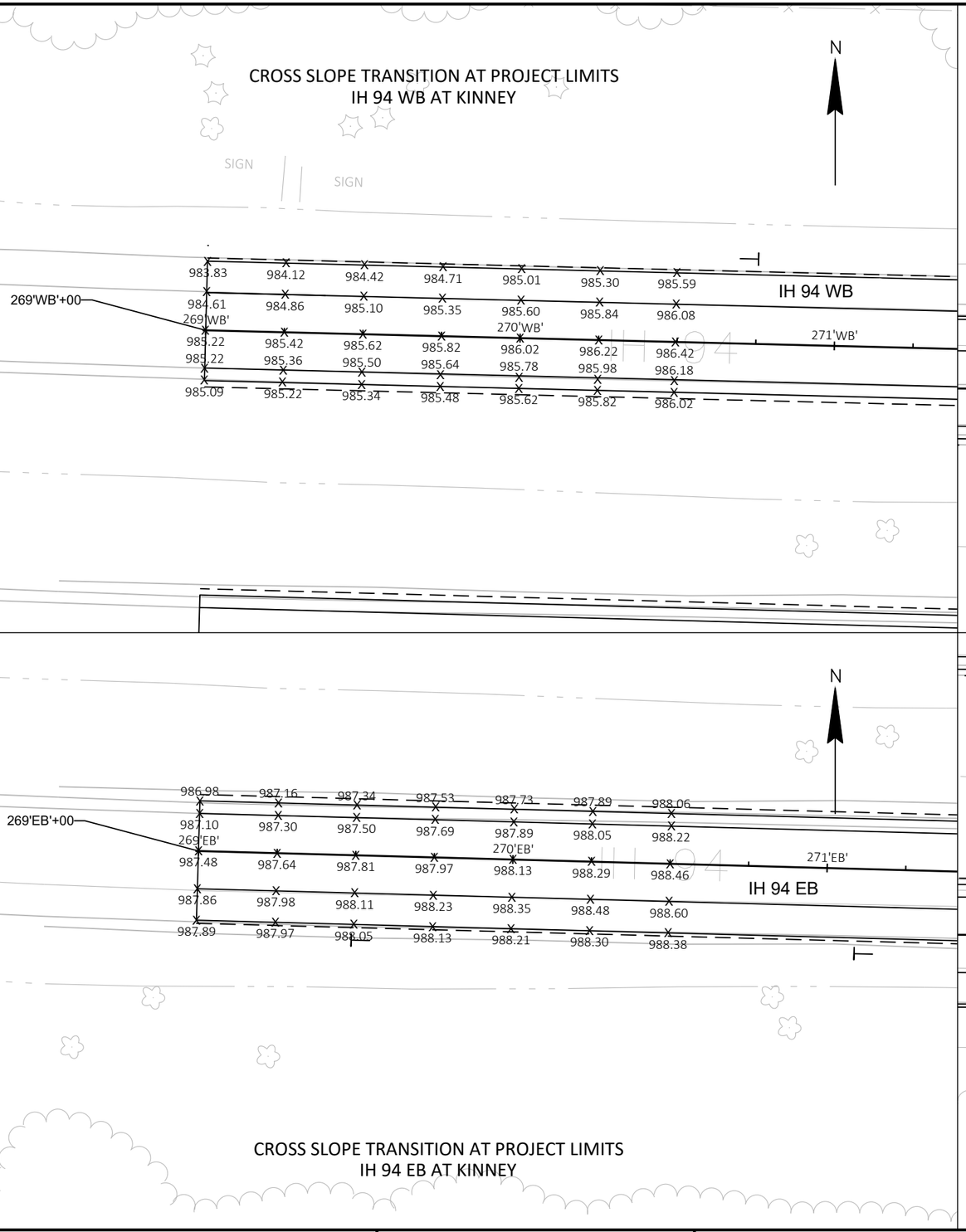


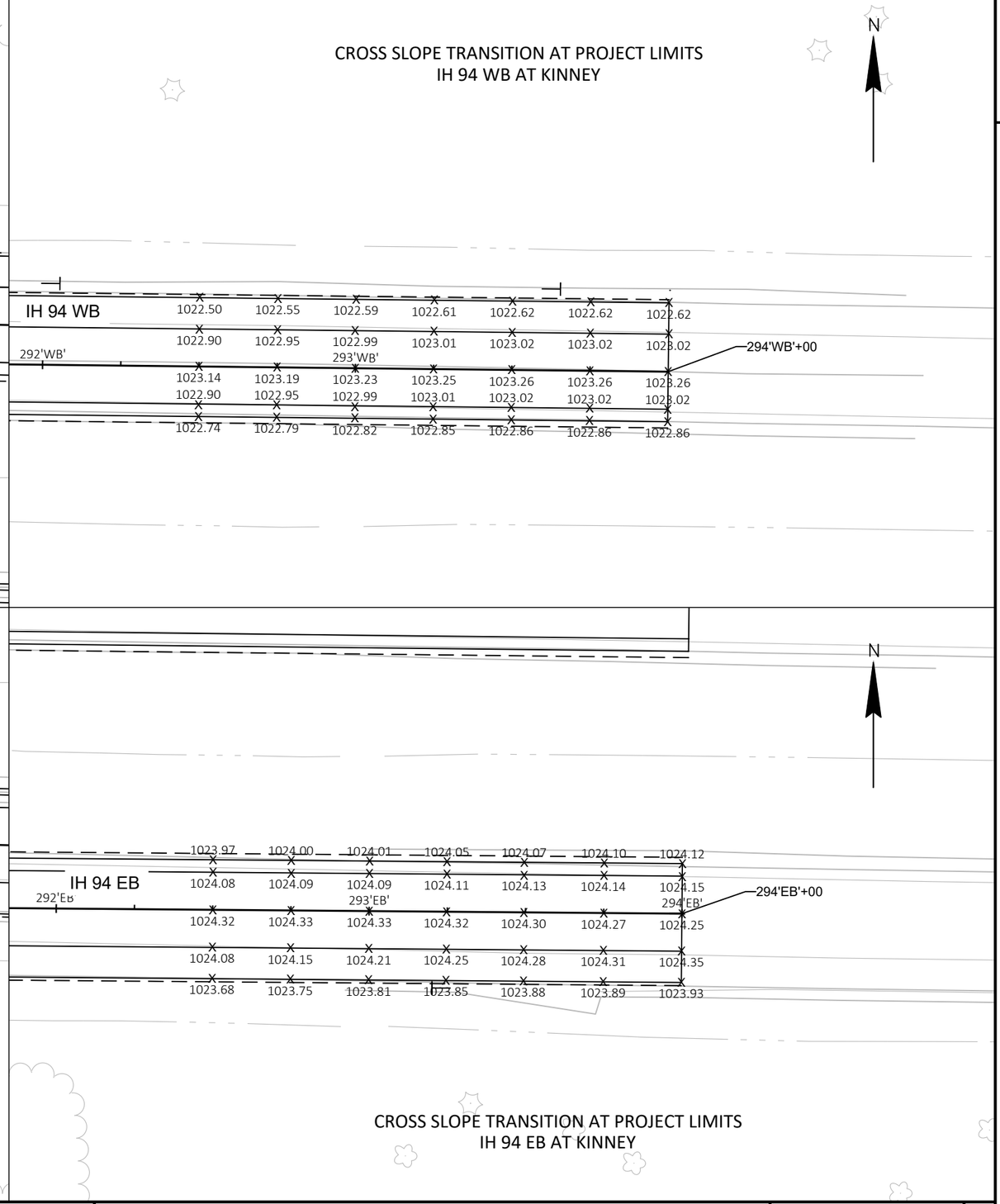
GEOGRID REINFORCEMENT DETAIL
STA 284'EB'+50 - 287'EB'+50

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	PLAN: CONSTRUCTION DETAILS	SHEET 14	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\021001-CD.DWG
LAYOUT NAME - 021008-cd
PLOT DATE : 5/8/2024 4:45 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

CROSS SLOPE TRANSITION AT PROJECT LIMITS
IH 94 WB AT KINNEY

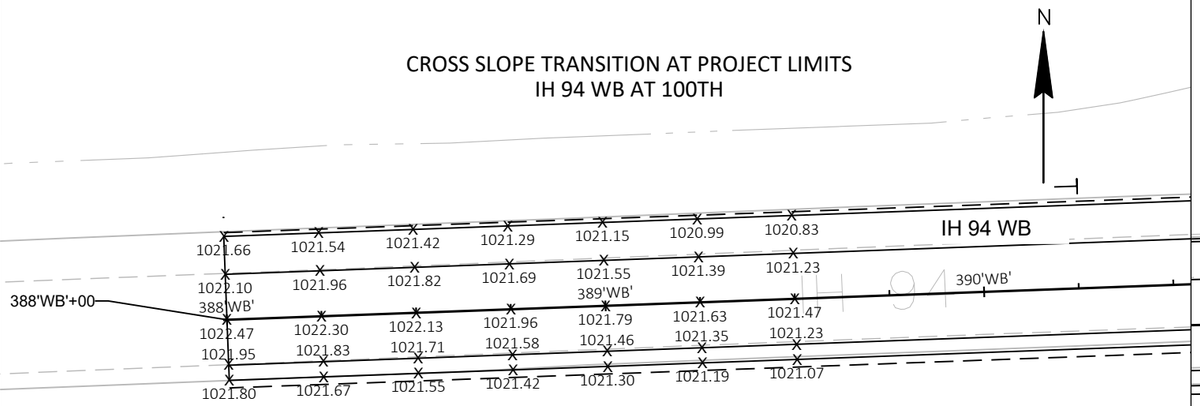


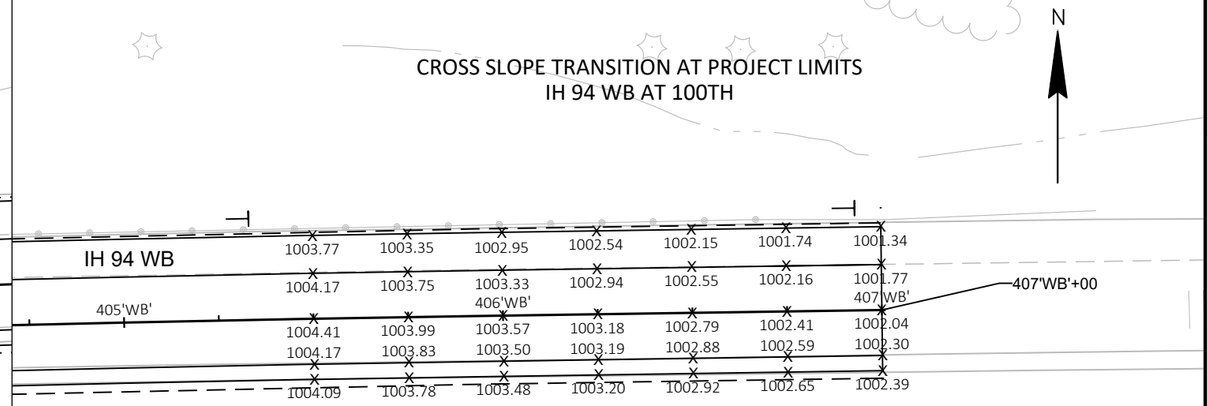


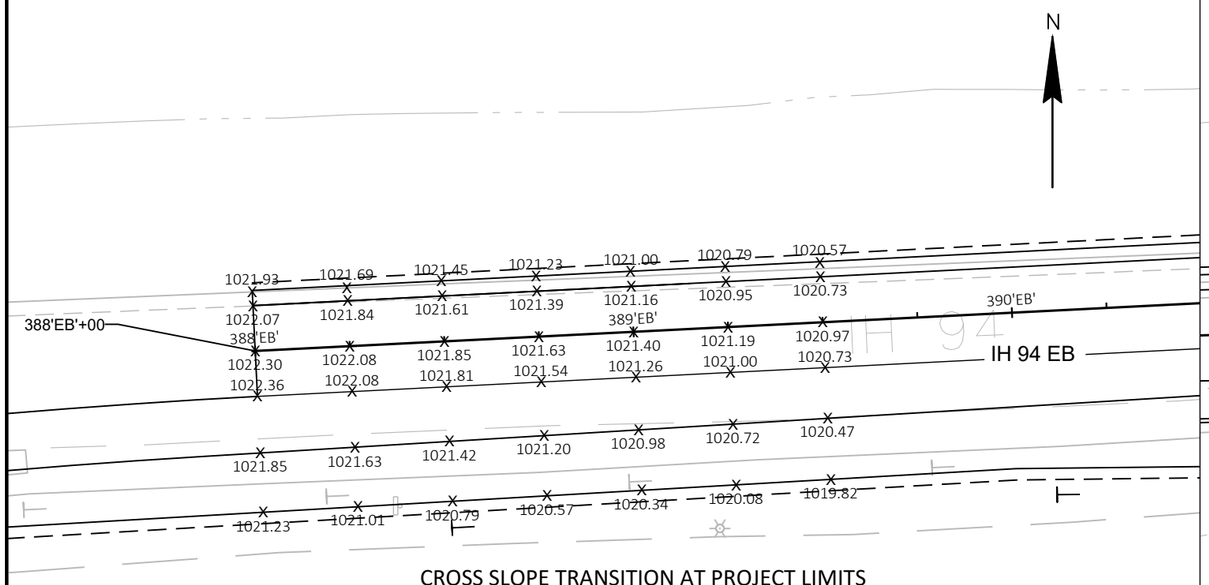
CROSS SLOPE TRANSITION AT PROJECT LIMITS
IH 94 EB AT KINNEY

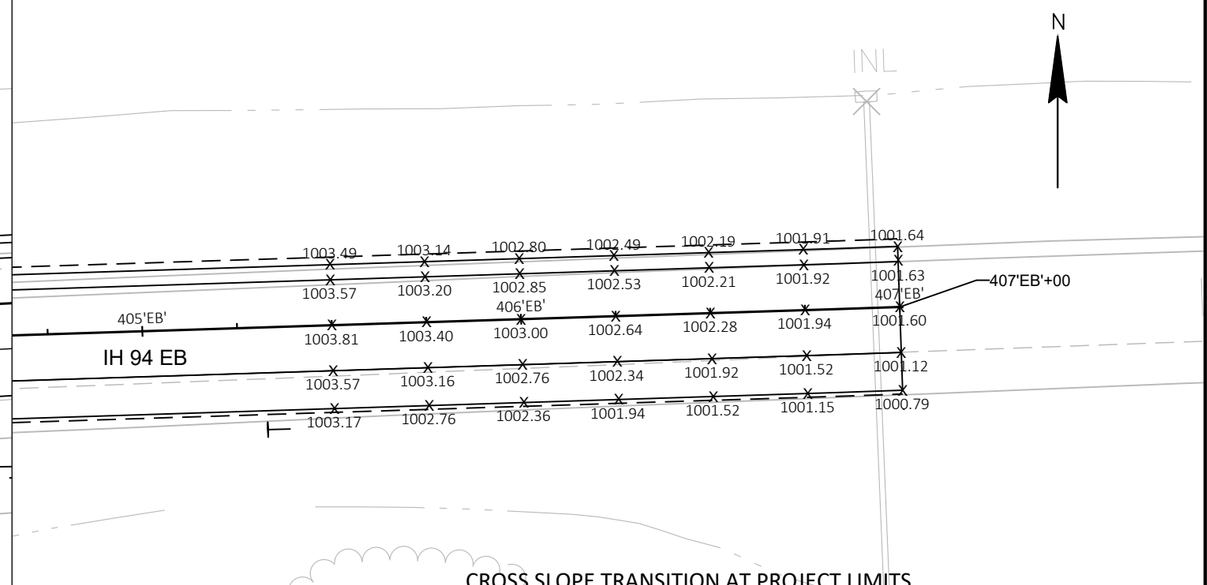
CROSS SLOPE TRANSITION AT PROJECT LIMITS
IH 94 EB AT KINNEY

CROSS SLOPE TRANSITION AT PROJECT LIMITS
IH 94 WB AT 100TH









CROSS SLOPE TRANSITION AT PROJECT LIMITS
IH 94 EB AT 100TH

CROSS SLOPE TRANSITION AT PROJECT LIMITS
IH 94 EB AT 100TH

2

2

N

IH 94 WB

IH 94 EB

R/W

SI

R/W

275'WB'+78.84
110.33' LT

STA 277'WB'+04
REMOVING SMALL
CULVERT PIPES 1-18" CP

REMOVING FENCE

REMOVING PAVEMENT

269'WB'+00.24
23.12' LT

269'WB'+00.00
15.57' RT

268'EB'+99.90
15.40' LT

269'EB'+00.04
22.50' RT

270'WB'

272'WB'

274'WB'

276'WB'

278'WB'

280'

270'EB'

272'EB'

274'EB'

276'EB'

278'EB'

280

277'EB'+90.75
26.61' LT

SALVAGED
RAIL

SALVAGED GUARDRAIL
END TREATMENTS

278'EB'+30.04
17.99' LT

SALVAGED GUARDRAIL
END TREATMENTS

SALVAGED RAIL

REMOVING PAVEMENT

REMOVING DELINEATORS
AND MARKERS (TYP.)

SI

R/W

MATCHLINE 280'WB'+00

LEGEND

YYYYYYYY	SAWING CONCRETE
XXXXXXXX	SAWING ASPHALT
	CLEARING AND GRUBBING (STA.)
	REMOVING PAVEMENT
	REMOVING FENCE
	SALVAGED RAIL
	REMOVING DELINEATORS AND MARKERS

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	REMOVAL PLAN - KINNEY ROAD	SHEET 17 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\021101-RM.DWG
LAYOUT NAME - 021101-rm

PLOT DATE : 5/8/2024 4:51 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

KINNEY ROAD

MATCHLINE 280'WB'+00

R/W

REMOVING FENCE

282'WB'+45.65
32.06' LT

ABANDON CULVERT PIPE WITH
BACKFILL CONTROLLED
LOW STRENGTH

282'WB'+40.64
27.74' LT

283'WB'+67.45
29.10' LT

283'WB'+40.71
12.18' RT

R/W

R/W

REMOVING FENCE

286'WB'+45.54
116.36' LT

SI

283'WB'+65.86
31.28' LT

SALVAGED GUARDRAIL
END TREATMENTS

283'WB'+67.94
30.13' LT

SALVAGED RAIL

287'WB'+82.00
27.56' LT

SALVAGED GUARDRAIL END TREATMENTS

293'WB'+99.83
22.17' LT

IH 94 WB

294'WB'+00.13
15.95' RT

282'WB'+20.63
7.99' RT

REMOVING
PAVEMENT

REMOVING FENCE

282'EB'+20.49
88.82' LT

281'EB'+91.79
29.04' LT

SALVAGED RAIL

282'EB'+99.53
29.39' LT

REMOVING FENCE

283'WB'+45.33
9.69' RT

283'WB'+44.00
11.40' RT

283'EB'+06.88
25.49' LT

SALVAGED RAIL

SALVAGED GUARDRAIL
END TREATMENTS

287'WB'+70.37
16.03' RT

REMOVING PAVEMENT

281'EB'+82.06
27.07' LT

281'EB'+81.12
25.39' LT

282'EB'

284'EB'

286'EB'

288'EB'

290'EB'

292'EB'

294'EB'

294'EBX

IH 94 EB

294'EB'+00.37
15.04' LT

IH 94 EB

294'EB'+00.37
23.17' RT

281'EB'+45.79
13.50' LT

SALVAGED
GUARDRAIL
END TREATMENTS

281'EB'+58.58
14.51' LT

281'EB'+59.77
15.97' LT

282'EB'+73.60
15.43' LT

282'EB'+85.22
12.59' RT

282'EB'+84.00
14.47' RT

STA 284'EB'+01
REMOVING SMALL
CULVERT PIPES
1-18" CP

SALVAGED GUARDRAIL END TREATMENTS

SALVAGED RAIL

SALVAGED GUARDRAIL
END TREATMENTS

288'EB'+01.04
17.93' RT

SI

REMOVING PAVEMENT

282'EB'+11.72
148.03' RT

REMOVING FENCE

R/W

REMOVING FENCE

REMOVING DELINEATORS
AND MARKERS (TYP.)

WETLAND BOUNDARY

280'EB'+73.49
148.98' RT

LEGEND

YYYYYYYY	SAWING CONCRETE
XXXXXXXX	SAWING ASPHALT
	CLEARING AND GRUBBING (STA.)
	REMOVING PAVEMENT
	REMOVING FENCE
	SALVAGED RAIL
	REMOVING DELINEATORS AND MARKERS

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	REMOVAL PLAN - KINNEY ROAD	SHEET 18	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\021101-RM.DWG
LAYOUT NAME - 021102-rm

PLOT DATE : 5/8/2024 4:52 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

IH 94 WB

IH 94 EB

R/W

SI

390'WB'+53.89
103.22' LT

391'WB'+20.29
25.37' LT

REMOVING FENCE

SALVAGED RAIL

388'WB'+00.00
23.24' LT

388'WB'+00.04
16.05' RT

REMOVING PAVEMENT

STA 391'WB'+92
REMOVING SMALL
CULVERT PIPES
1-18" CMCP

SALVAGED GUARDRAIL END TREATMENTS

387'EB'+99.84
15.61' LT

388'EB'+61.44
14.94' RT

390'EB'+78.15
16.36' LT

382'EBX'+62.78
12.85' RT

382'EBX'+62.57
25.16' RT

383'R'+50.00
17.98' RT

383'R'+50.00
5.14' RT

388'R'

386'R'

384'R'

390'R'

392'R'

388'EB'+00.00
35.11' RT

393'EB'+13.38
31.40' RT

SALVAGED GUARDRAIL
END TREATMENTS

SALVAGED
RAIL

391'EB'+59.19
135.69' RT

392'EB'+99.17
137.99' RT

REMOVING DELINEATORS
AND MARKERS (TYP.)

MATCHLINE 394'WB'+00

LEGEND

YYYYYYYY	SAWING CONCRETE
XXXXXXXX	SAWING ASPHALT
	CLEARING AND GRUBBING (STA.)
	REMOVING PAVEMENT
	REMOVING FENCE
	SALVAGED RAIL
	REMOVING DELINEATORS AND MARKERS

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	REMOVAL PLAN - 100TH STREET	SHEET 19 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\021101-RM.DWG
LAYOUT NAME - 021103-rm

PLOT DATE : 5/8/2024 4:52 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

MATCHLINE 394'WB'+00

R/W

R/W

396'WB'+01.45
27.28' LT

397'WB'+34.17
90.05' LT

397'WB'+04.50
26.24' LT

REMOVING FENCE

395'WB'+97.35
26.84' LT

SALVAGED GUARDRAIL
END TREATMENTS

395'WB'+99.01
24.48' LT

SALVAGED RAIL

397'WB'+02.70
27.64' LT

SALVAGED GUARDRAIL END TREATMENTS

397'WB'+04.89
24.61' LT

SALVAGED RAIL

SI

400'WB'+06.52
90.00' LT

R/W

404'WB'+85.07
92.03' LT

R/W

REMOVING FENCE

407'WB'+00.00
23.13' LT

57'

SALVAGED GUARDRAIL
END TREATMENTS

396'WB'

398'WB'

400'WB'

402'WB'

404'WB'

406'WB'

IH 94 WB

407'WB'+00.05
16.46' RT

SALVAGED RAIL

395'WB'+97.50
13.43' RT

395'WB'+99.28
16.68' RT

395'EB'+95.53
11.45' LT

397'WB'+03.17
12.26' RT

397'WB'+03.05
15.10' RT

SALVAGED RAIL

REMOVING PAVEMENT

SALVAGED GUARDRAIL
END TREATMENTS

400'WB'+93.21
17.60' RT

REMOVING
PAVEMENT

SALVAGED GUARDRAIL END TREATMENTS

395'EB'+93.55
10.22' LT

395'EB'+93.19
7.78' LT

396'EB'+91.12
11.84' LT

397'WB'+00.76
17.09' RT

396'EB'+98.81
6.25' LT

REMOVING DELINEATORS
AND MARKERS (TYP.)

STA 406'EB'+93
REMOVING SMALL
CULVERT PIPES 1-18" CP

407'EB'+00.00
16.00' LT

396'EB'

398'EB'

400'EB'

402'EB'

404'EB'

406'EB'

IH 94 EB

SALVAGED
RAIL

395'EB'+92.33
29.50' RT

395'EB'+93.98
30.34' RT

SALVAGED RAIL

396'EB'+97.46
27.47' RT

396'EB'+95.06
32.51' RT

REMOVING PAVEMENT

REMOVING FENCE

407'EB'+00.00
23.20' RT

SI

SALVAGED GUARDRAIL
END TREATMENTS

399'EB'+34.93
118.67' RT

R/W

R/W

R/W

100TH STREET

WETLAND
BOUNDARY

LEGEND

YYYYYYYY	SAWING CONCRETE
XXXXXXXX	SAWING ASPHALT
	CLEARING AND GRUBBING (STA.)
	REMOVING PAVEMENT
	REMOVING FENCE
	SALVAGED RAIL
	REMOVING DELINEATORS AND MARKERS

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	REMOVAL PLAN - 100TH STREET	SHEET 20	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\021101-RM.DWG
LAYOUT NAME - 021104-rm

PLOT DATE : 5/8/2024 4:52 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

CONCRETE PAVEMENT 12-INCH

CONCRETE PAVEMENT APPROACH SLAB

N

R/W

IP POST

CONCRETE CURB & GUTTER
4-INCH SLOPED 36-INCH TYPE TBTT
STA 282'WB'+11.66, 24.00' LT (BOC)

SEE SDD "CONCRETE
PAVEMENT APPROACH SLABS"
STA 281'WB'+62.02

CONCRETE CURB & GUTTER
4-INCH SLOPED 36-INCH TYPE TBTT
STA 281'WB'+16.96, 24.00' LT (BOC)

+62.02
-21.00' LT
EL 1006.68

+16.96
-21.00' LT
EL 1005.61

+62.02
-12.00' LT
EL 1006.95

STRUCTURE B-55-250

+10.51
-24.00' LT
EL 1012.13

+10.51
-12.00' LT
EL 1012.37

SEE SDD "CONCRETE
PAVEMENT APPROACH SLABS"
STA 284'WB'+10.51

IH 94 WB

280'WB' 281'WB' 282'WB' 283'WB' 284'WB' 285'WB'

+62.02
0.00'
EL 1007.19

+10.51
0.00'
EL 1012.61

+16.96
-12.00' LT
EL 1005.97

+62.02
12.00' RT
EL 1007.43

+10.51
12.00' RT
EL 1012.85

+16.96
24.00' RT
EL 1006.21

+62.02
24.00' RT
EL 1007.19

+10.51
24.00' RT
EL 1012.61

+16.96
33.00' RT
EL 1005.85

+62.02
33.00' RT
EL 1006.97

+10.51
36.00' RT
EL 1012.37

CONCRETE CURB & GUTTER
4-INCH SLOPED 36-INCH TYPE TBTT
STA 281'WB'+16.96, 36.00' RT (BOC)

CONCRETE CURB & GUTTER
4-INCH SLOPED 36-INCH TYPE TBTT
STA 281'WB'+77.02, 36.00' RT (BOC)

CONCRETE CURB & GUTTER
4-INCH SLOPED 36-INCH TYPE TBTT
STA 281'EB'+53.21, 24.00' LT (BOC)

CONCRETE CURB & GUTTER
4-INCH SLOPED 36-INCH TYPE TBTT
STA 280'EB'+58.55, 24.00' LT (BOC)

+03.64
-21.00' LT
EL 1007.92

STRUCTURE B-55-251

+52.10
-24.00' LT
EL 1013.38

IH 94 EB

+58.55
-21.00' LT
EL 1006.84

+52.10
-12.00' LT
EL 1013.62

+58.55
-12.00' LT
EL 1007.20

+03.64
-12.00' LT
EL 1008.19

+52.10
0.00'
EL 1013.86

280'EB' 281'EB' 282'EB' 283'EB' 284'EB' 285'EB'

+03.64
0.00'
EL 1008.43

+58.55
24.00' RT
EL 1006.96

+58.55
33.00' RT
EL 1006.60

+52.10
12.00' RT
EL 1013.62

+52.10
24.00' RT
EL 1013.38

+52.10
36.00' RT
EL 1013.14

CONCRETE CURB & GUTTER
4-INCH SLOPED 36-INCH TYPE TBTT
STA 280'EB'+58.55, 36.00' RT (BOC)

CONCRETE CURB & GUTTER
4-INCH SLOPED 36-INCH TYPE TBTT
STA 281'EB'+18.61, 36.00' RT (BOC)

SEE SDD "CONCRETE
PAVEMENT APPROACH SLABS"
STA 283'EB'+52.10

SEE SDD "CONCRETE
PAVEMENT APPROACH SLABS"
STA 281'EB'+03.64

+03.64
12.00' RT
EL 1008.19

+03.64
24.00' RT
EL 1007.95

+03.64
33.00' RT
EL 1007.72

KINNEY ROAD

NOTE: SEE MISCELLANEOUS QUANTITY SHEETS FOR MGS THRIE BEAM TRANSITION, MGS GUARDRAIL 3, MGS GUARDRAIL TERMINAL EAT, AND MGS GUARDRAIL TERMINAL TYPE 2 LOCATIONS.

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	PLAN DETAILS	SHEET 21	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\PAVEMENT APPROACH CONSTRUCTION DETAILS.DWG
LAYOUT NAME - Kinney Road
PLOT DATE : 5/8/2024 4:56 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

CONCRETE PAVEMENT 12-INCH

CONCRETE PAVEMENT APPROACH SLAB

N

R/W

POST

SIGN

FO

SEE SDD "CONCRETE PAVEMENT APPROACH SLABS" STA 397'WB'+43.66

CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBTT STA 397'WB'+28.66, 24.00' LT (BOC)

CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBTT STA 397'WB'+84.53, 24.00' LT (BOC)

STRUCTURE B-55-252

SEE SDD "CONCRETE PAVEMENT APPROACH SLABS" STA 395'WB'+57.16

+57.16 -24.00' LT EL 1017.25

+57.16 -12.00' LT EL 1017.49

+43.66 -20.19' LT EL 1016.15

+43.66 -12.00' LT EL 1016.35

+84.53 -20.19' LT EL 1015.77

+84.53 -12.00' LT EL 1016.09

IH 94 WB

394'WB' 395'WB' 396'WB' 397'WB' 398'WB' 399'WB'

+57.16 0.00' EL 1017.73

+57.16 12.00' RT EL 1017.97

+57.16 24.00' RT EL 1017.73

+57.16 36.00' RT EL 1017.49

+43.66 0.00' EL 1016.59

+43.66 12.00' RT EL 1016.83

+43.66 24.00' RT EL 1016.59

+43.66 32.99' RT EL 1016.36

+82.53 24.00' RT EL 1016.34

+82.53 32.99' RT EL 1015.98

CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBTT STA 397'WB'+28.66, 36.00' RT (BOC)

CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBTT STA 397'WB'+82.53, 36.00' RT (BOC)

+39.57 -20.19' LT EL 1015.92

+39.57 -12.00' LT EL 1016.12

CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBTT STA 397'EB'+24.57, 24.00' LT (BOC)

CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBTT STA 397'EB'+80.44, 24.00' LT (BOC)

STRUCTURE B-55-253

+53.07 -24.00' LT EL 1016.92

+80.44 -20.19' LT EL 1015.57

+80.44 -12.00' LT EL 1015.89

+53.07 -12.00' LT EL 1017.16

IH 94 EB

394'EB' 395'EB' 396'EB' 397'EB' 398'EB' 399'EB'

+53.07 0.00' EL 1017.40

+53.07 12.00' RT EL 1017.16

+53.07 24.00' RT EL 1016.92

+53.07 36.00' RT EL 1016.44

+53.07 48.00' RT EL 1015.96

+39.57 0.00' EL 1016.36

+39.57 12.00' RT EL 1016.12

+39.57 24.00' RT EL 1015.88

+39.57 36.00' RT EL 1015.64

+39.57 44.99' RT EL 1015.42

+78.44 24.00' RT EL 1015.66

+78.44 36.00' RT EL 1015.42

+78.44 44.99' RT EL 1015.06

SEE SDD "CONCRETE PAVEMENT APPROACH SLABS" STA 395'EB'+53.07

CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBTT STA 397'EB'+24.57, 48.00' RT (BOC)

CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBTT STA 397'EB'+78.44, 48.00' RT (BOC)

SEE SDD "CONCRETE PAVEMENT APPROACH SLABS" STA 397'EB'+39.57

100TH STREET

MP

JP

NOTE: SEE MISCELLANEOUS QUANTITY SHEETS FOR MGS THRIE BEAM TRANSITION, MGS GUARDRAIL 3, MGS GUARDRAIL TERMINAL EAT, AND MGS GUARDRAIL TERMINAL TYPE 2 LOCATIONS.

R/W

2

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	PLAN DETAILS	SHEET 22	E

2

2

LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS III TYPE A
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- APRON END WALL
- ROCK BAGS
- STRUCTURE NUMBER

N

IH 94 WB

IH 94 EB

IH 94

270'WB' 272'WB' 274'WB' 276'WB' 278'WB'

270'EB' 272'EB' 274'EB' 276'EB' 278'EB'

R/W

SI

STA 277'WB'+06
SSPRC CLASS II 24-INCH
130 LF
S. INVERT: 981.99
N. INVERT: 980.82
0.90%

1 - APRON ENDWALL FOR CULVERT
PIPE REINFORCED CONCRETE 24-INCH REQ'D
277'WB'+02.42
78.02' LT

1
INLETS MEDIAN 2G-MS
277'WB'+05.56
47.94' RT

MATCHLINE 279'WB'+50

NOTE:
CULVERT INSTALLED IN STAGE 2 AND TEMPORARILY TIED INTO EXISTING INLET. CONCRETE COLLAR ITEM INCLUDED FOR TEMPORARY CONNECTION. EXISTING INLET REMOVED AND INLET 1 INSTALLED IN STAGE 4.

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	EROSION CONTROL AND DRAINAGE - KINNEY ROAD	SHEET 23	E

2

LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS III TYPE A
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- APRON END WALL
- ROCK BAGS
- STRUCTURE NUMBER

N

MATCHLINE 279'WB'+50

1 - APRON ENDWALL FOR CULVERT PIPE STEEL 12-INCH REQ'D 281'WB'+32.28 104.86' LT

STA 281'WB'+32 CPCP 12-INCH 87 LF S. INVERT: 1003.08 N. INVERT: 973.82 35.93%

STA 281'WB'+32 CPCP 12-INCH 10 LF S. INVERT: 1002.81 N. INVERT: 1003.32 4.91%

R/W

KINNEY ROAD

STA 282'WB'+88 SSPRC CLASS IV 30-INCH 52 LF S. INVERT: 979.35 N. INVERT: 978.00 2.58%

INLET 2 X 2V 281'WB'+32.29 24.08' LT (2)

1 - APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH REQ'D 282'WB'+58.70 86.74' LT

MANHOLES 5-J 282'WB'+87.64 43.05' LT (6)

STA 281'WB'+78 SSPRC CLASS IV 30-INCH 224 LF S. INVERT: 981.00 N. INVERT: 979.35 0.74%

INLET 2 X 2V 281'WB'+32.29 36.08' RT (3)

1 - APRON ENDWALL FOR CULVERT PIPE STEEL 12-INCH REQ'D 281'WB'+32.29 45.85' RT

R/W

R/W

SI

INLETS MEDIAN 2G-MS 284'EB'+02.79 45.52' LT (8)

STRUCTURE B--55-250

280'WB' 282'WB' 284'WB' 286'WB' 288'WB' 290'WB' 292'WB'

IH 94 WB

280'EB' 282'EB' 284'EB' 286'EB' 288'EB' 290'EB' 292'EB' 294'EB'

IH 94 EB

STA 280'EB'+74 CPCP 12-INCH 56 LF N. INVERT: 1004.06 S. INVERT: 983.00 37.96%

STRUCTURE B-55-251

1 - APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH REQ'D 284'EB'+01.99 94.60' RT (R)

STA 284'EB'+03 SSPRC CLASS III 24-INCH 141 LF N. INVERT: 998.60 S. INVERT: 979.16 13.87%

SI

1 - APRON ENDWALL FOR CULVERT PIPE STEEL 12-INCH REQ'D 280'EB'+71.38 40.42' LT

INLET 2 X 2V 280'EB'+73.88 24.08' LT (4)

MANHOLES 5-J 281'EB'+78.74 50.25' RT (7)

WETLAND BOUNDARY

R/W

STA 280'EB'+73 CPCP 12-INCH 17 LF N. INVERT: 1002.08 S. INVERT: 1004.31 12.97%

1 - APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH REQ'D 280'EB'+86.67 124.00' RT (5)

INLET 2 X 2V 280'EB'+73.70 35.40' RT

1 - APRON ENDWALL FOR CULVERT PIPE STEEL 12-INCH REQ'D 280'EB'+70.23 95.94' RT

STA 280'EB'+87 SSPRC CLASS IV 30-INCH 118 LF N. INVERT: 982.00 S. INVERT: 981.00 0.85%

NOTE:
STAGE 2 EXTEND EXISTING PIPE AT STA 282'WB'+12, 78.5' LT TEMPORARILY WITH CONCRETE COLLAR. ABANDON PIPE IN STAGE 3B ONLY AFTER NEW INSTALLATION OF KINNEY ROAD STORM SEWER IS COMPLETE.

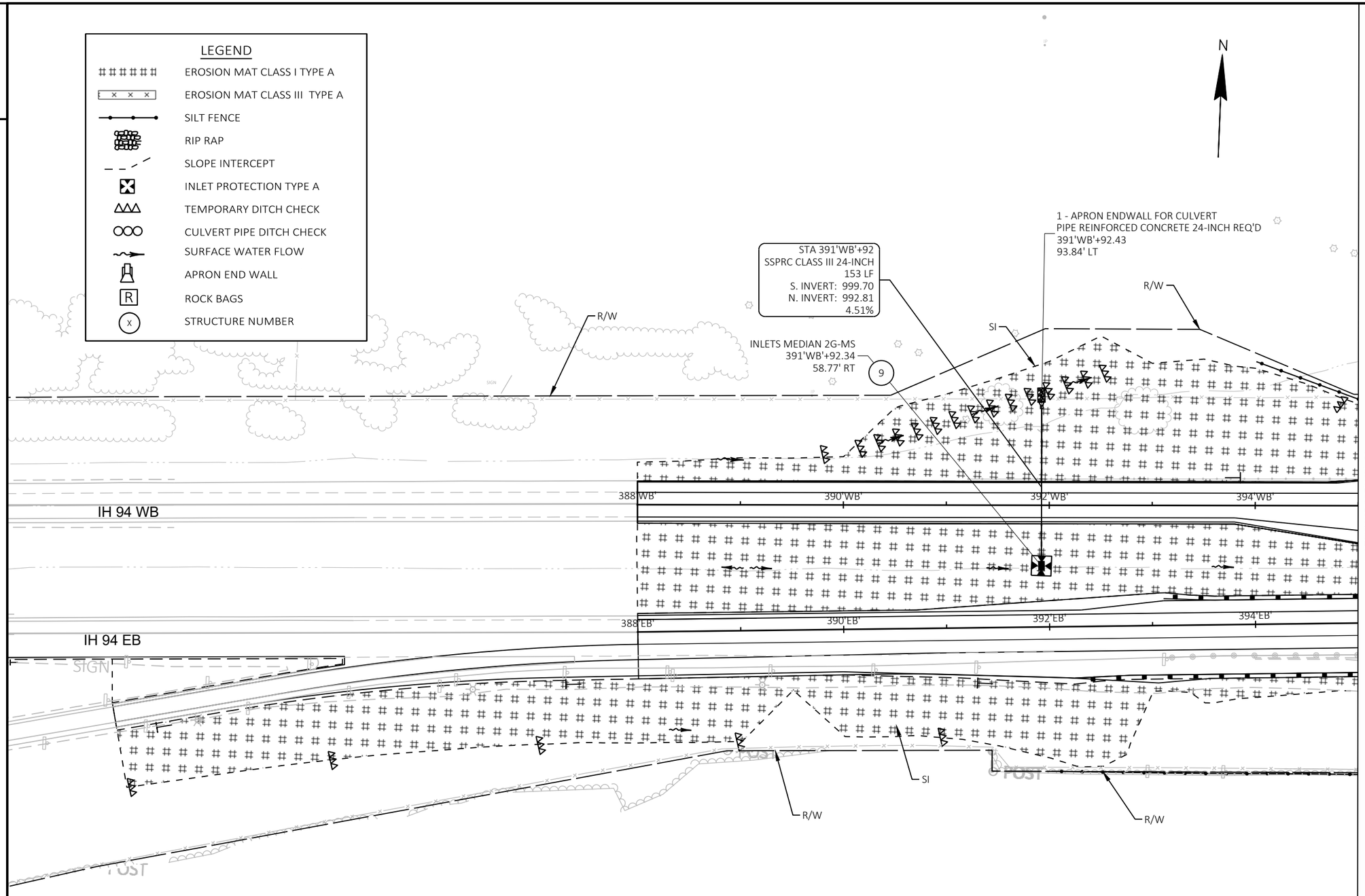
INLET 8 AND REMAINDER OF 24-INCH STORM SEWER TO BE INSTALLED IN STAGE 4 AFTER BYPASS REMOVAL. INSTALL AS MUCH OF THE PERMANENT 24-INCH STORM SEWER AS POSSIBLE AND PROVIDE TEMPORARY CONNECTION WITH CONCRETE COLLAR TO EXISTING STORM SEWER IN STAGE 3B.

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	EROSION CONTROL AND DRAINAGE - KINNEY ROAD	SHEET 24	E

2

LEGEND

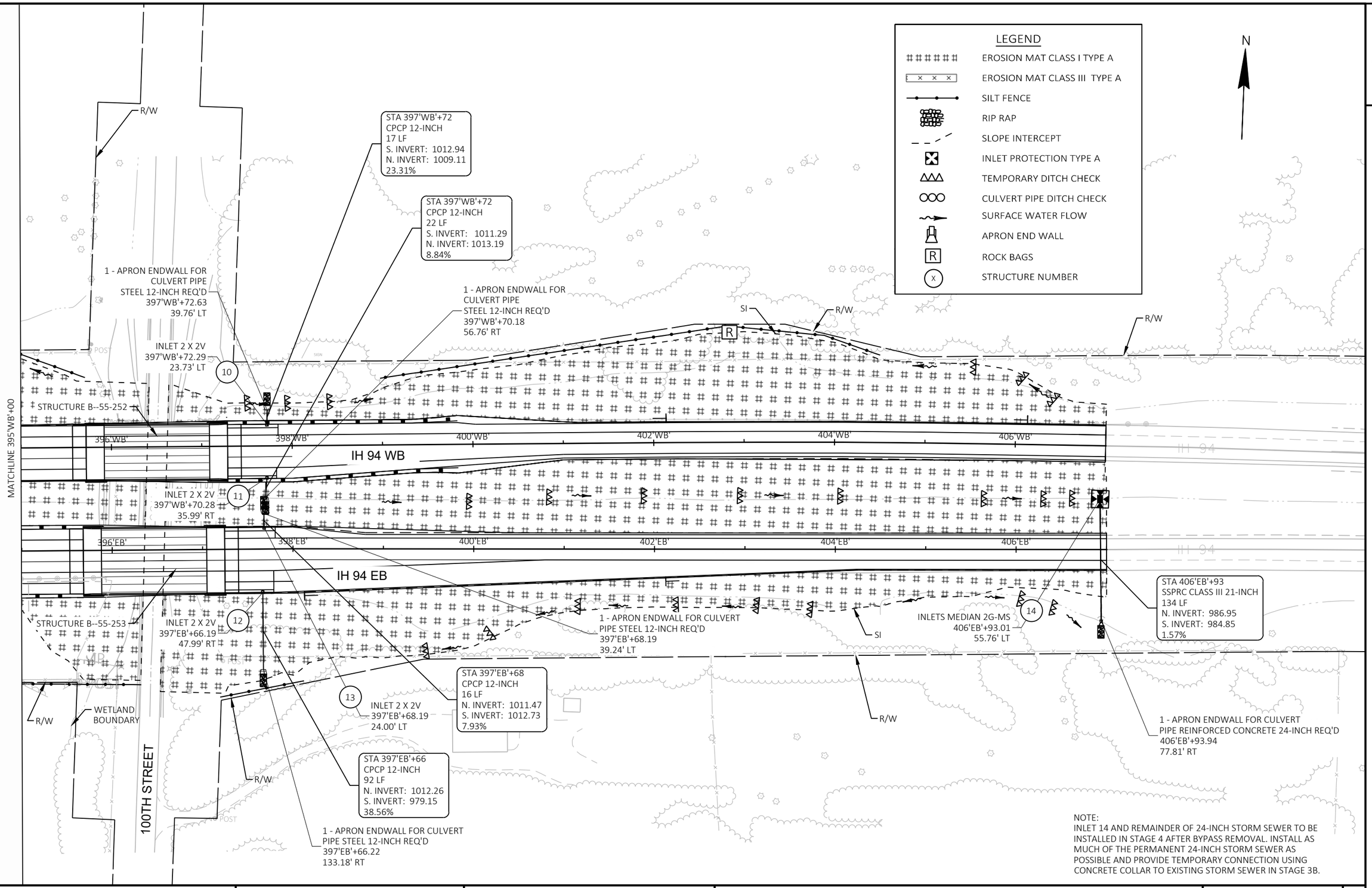
- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS III TYPE A
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- APRON END WALL
- ROCK BAGS
- STRUCTURE NUMBER



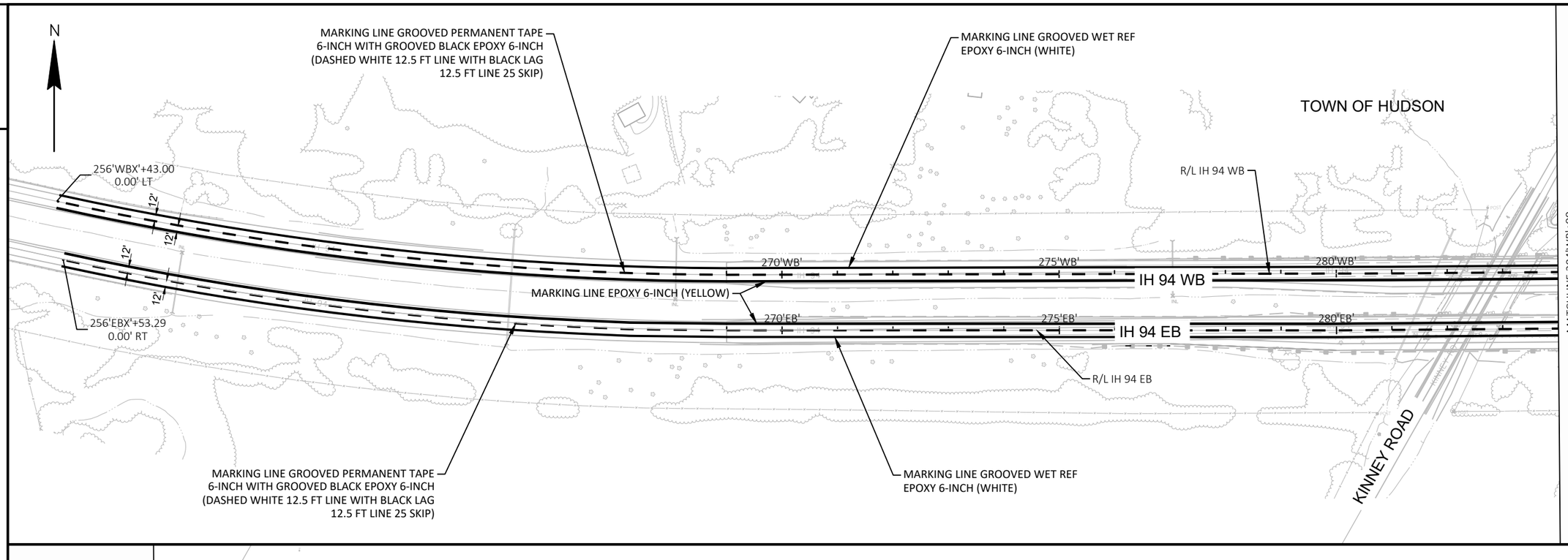
NOTE:
INLET 9 AND REMAINDER OF 24-INCH STORM SEWER TO BE INSTALLED IN STAGE 4 AFTER BYPASS REMOVAL. INSTALL AS MUCH OF THE PERMANENT 24-INCH STORM SEWER AS POSSIBLE AND PROVIDE A TEMPORARY CONNECTION USING A CONCRETE COLLAR TO EXISTING STORM SEWER IN STAGE 2.

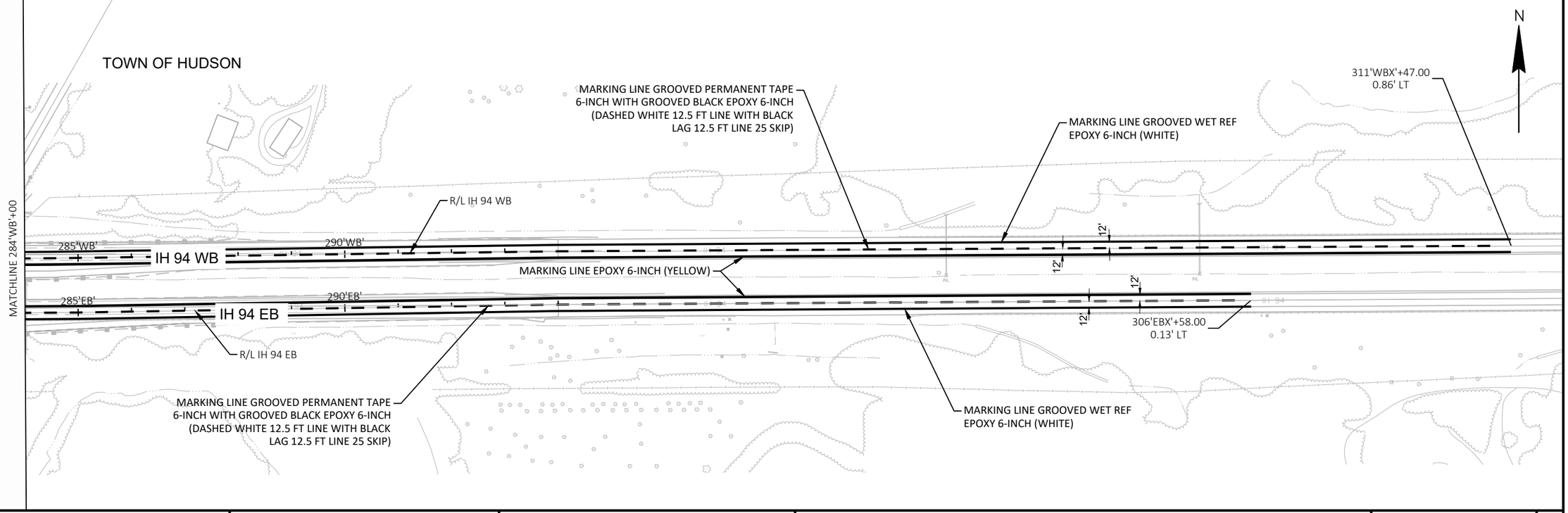
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	EROSION CONTROL AND DRAINAGE - 100TH STREET	SHEET 25	E

2



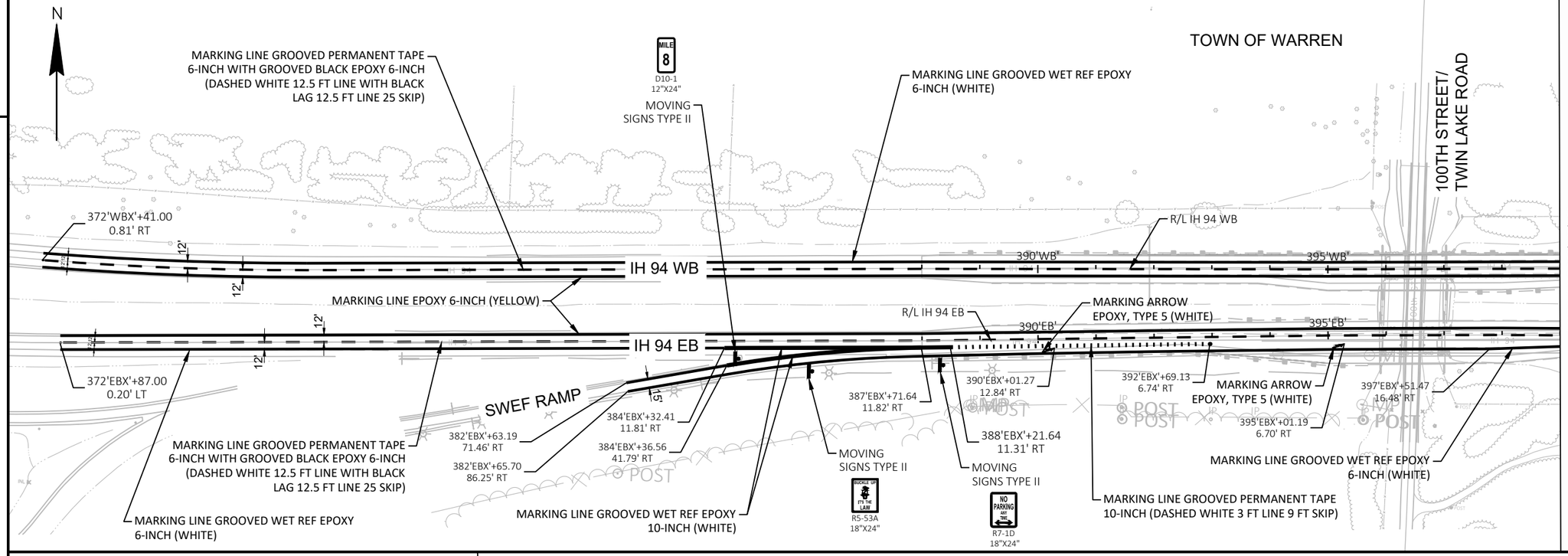
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	EROSION CONTROL AND DRAINAGE - 100TH STREET	SHEET 26	E

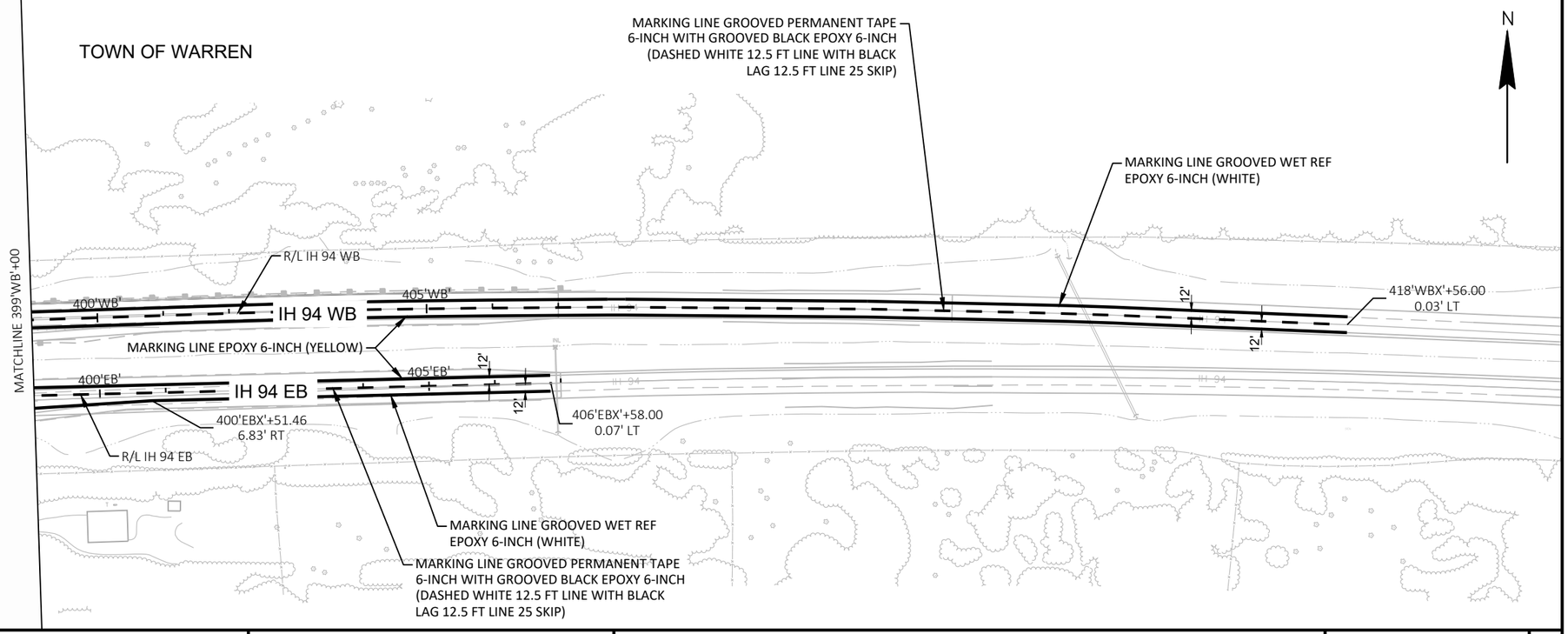




2

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	PERMANENT SIGNING AND MARKING - KINNEY ROAD	SHEET 27	E





PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	PERMANENT SIGNING AND MARKING - 100TH STREET	SHEET 28	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024502-pm
PLOT DATE : 5/8/2024 5:04 PM
PLOT BY : BRUCKNER, KAITLYN
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST
- TEMPORARY SHORING
- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE "A" WARNING LIGHT (FLASHING)
- CRASH CUSHIONS TEMPORARY

TRAFFIC STAGING OVERVIEW

STAGE	EB TRAFFIC	WB TRAFFIC	WORK
1	ON EXISTING	ON EXISTING	BUILD TEMPORARY BRIDGES, TEMPORARY MEDIAN PAVEMENT, & WB CONNECTION
WINTER 1	ON EXISTING	ON EXISTING	NONE
2	ON EXISTING	SHIFTED ON TO TEMPORARY MEDIAN PAVEMENT	BUILD PROPOSED WB
3A	ON EXISTING	ON NEW WB PAVEMENT	BUILD EB CONNECTION
WINTER 2	ON EXISTING	ON NEW WB PAVEMENT	NONE
3B	SHIFTED ON TO TEMPORARY MEDIAN PAVEMENT	ON NEW WB PAVEMENT	BUILD PROPOSED EB SWEF CLOSED
4	SHIFTED 6' TOWARDS OUTSIDE ON NEW EB PAVEMENT	SHIFTED 6' TOWARDS OUTSIDE ON NEW WB PAVEMENT	BUILD SHOULDERS AND RECONSTRUCT MEDIAN

GENERAL NOTES - TRAFFIC CONTROL

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

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

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED IN THE PLANS.

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

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

ALL EXISTING CONFLICTING PAVEMENT MARKING SHOULD BE REMOVED.

CONCRETE BARRIER TEMPORARY PRECAST SHALL BE ANCHORED IF THE DISTANCE TO A 2-FT OR GREATER DROPOFF STEEPER THAN 3H:1V AND THE POSTED SPEED IS 45 MPH OR GREATER AND THE DROPOFF IS LESS THAN 4 FT FROM THE SIDE OF THE BARRIER CLOSEST TO THE DROPOFF.

SWEF WILL BE CLOSED DURING STAGE 3B.

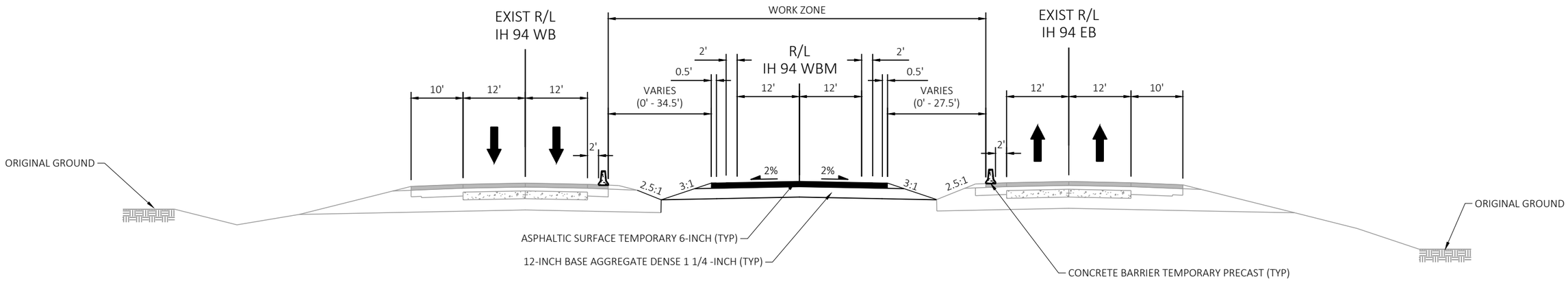
PLACE PCMS AT ENTRANCE TO CONSTRUCTION ZONES FOR 7 DAYS IN ADVANCE OF START OF CONSTRUCTION.

TEMPORARY ACCESS RAMP FROM IH 94 TO KINNEY ROAD AND 100TH STREET ALLOWED ADJACENT TO WORK ZONE.

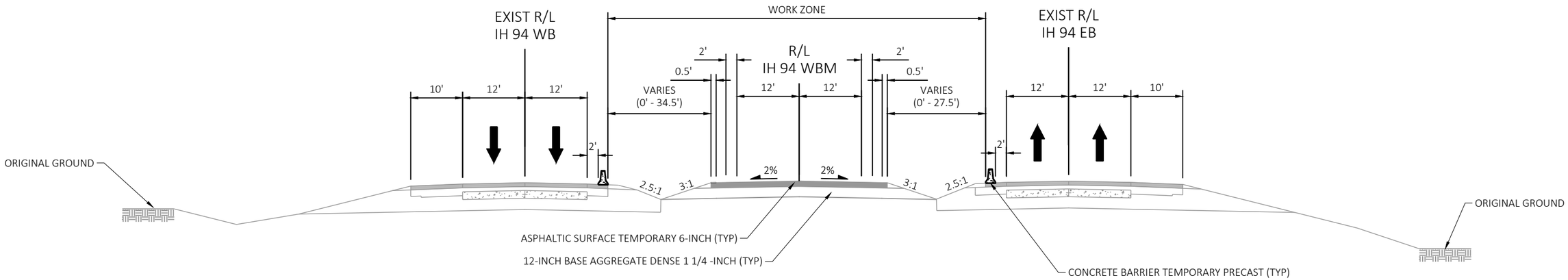
PCMS SHALL FOLLOW ARROW BOARD STANDARDS WHEN DISPLAYING FLASHING FOUR CORNER CAUTION MODE.

INCLUDE NON-DIGITAL R2-1 RESUME SPEED LIMIT SIGNS 200 FEET MINIMUM (500 FEET DESIRABLE) BEYOND THE "END ROAD WORK" SIGN.

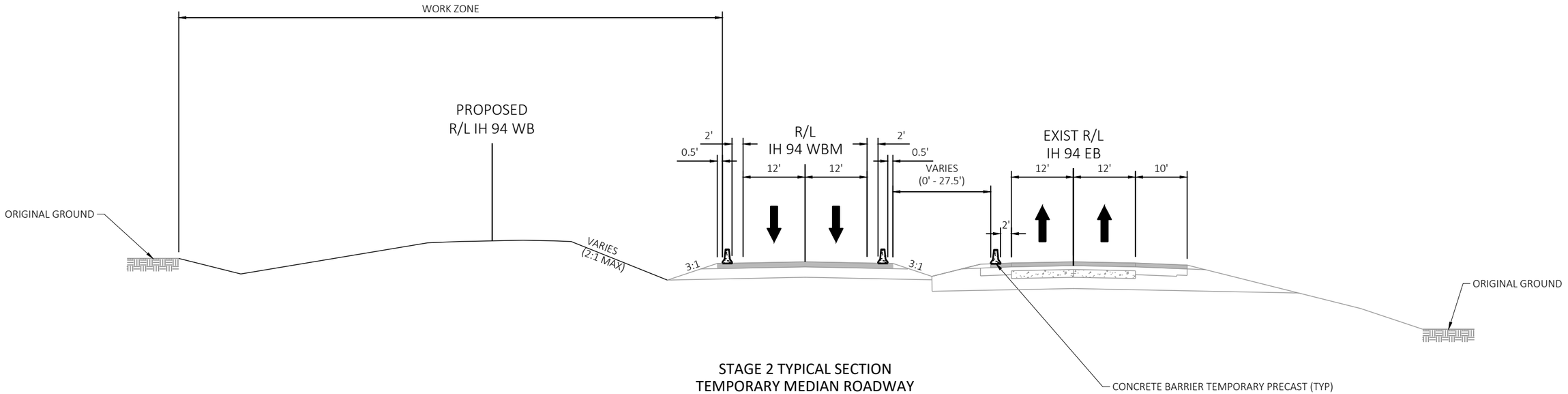
2



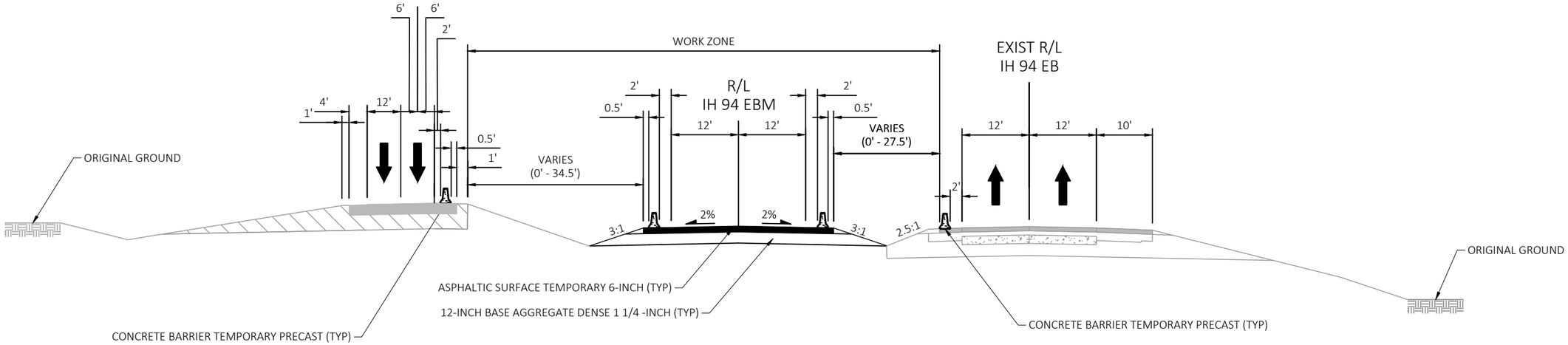
STAGE 1 TYPICAL SECTION
TEMPORARY MEDIAN ROADWAY
STA 256'WBM'+50 TO STA 306'WBM'+00
STA 376'WBM'+00 TO STA 419'WBM'+00



WINTER 1 TYPICAL SECTION
TEMPORARY MEDIAN ROADWAY
STA 269'WBM'+00 TO STA 294'WBM'+00
STA 388'WBM'+00 TO STA 407'WBM'+00

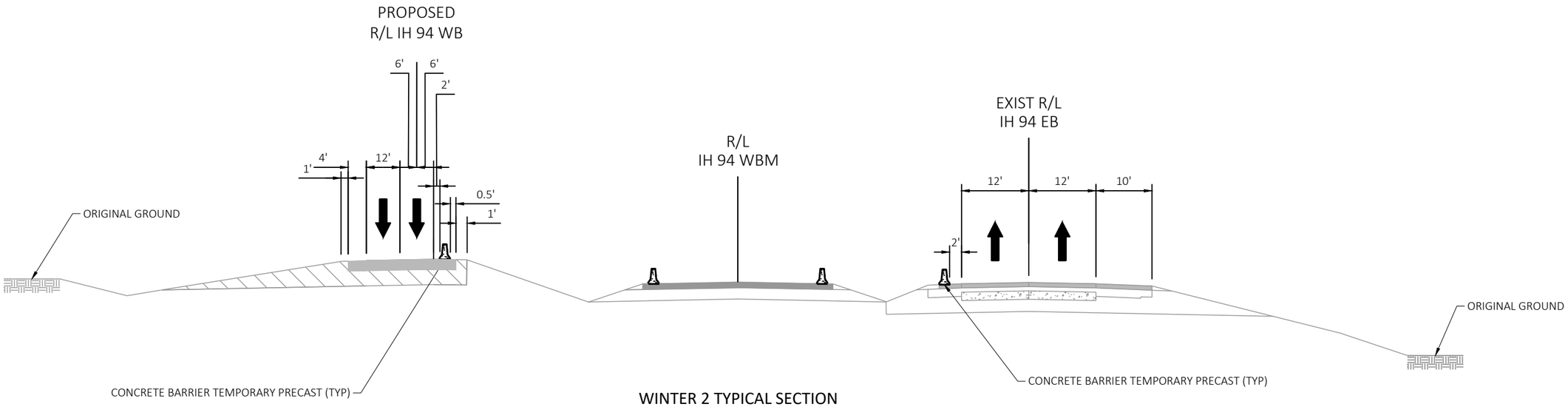


STAGE 2 TYPICAL SECTION
TEMPORARY MEDIAN ROADWAY
STA 269'WBM'+00 TO STA 294'WBM'+00
STA 388'WBM'+00 TO STA 407'WBM'+00

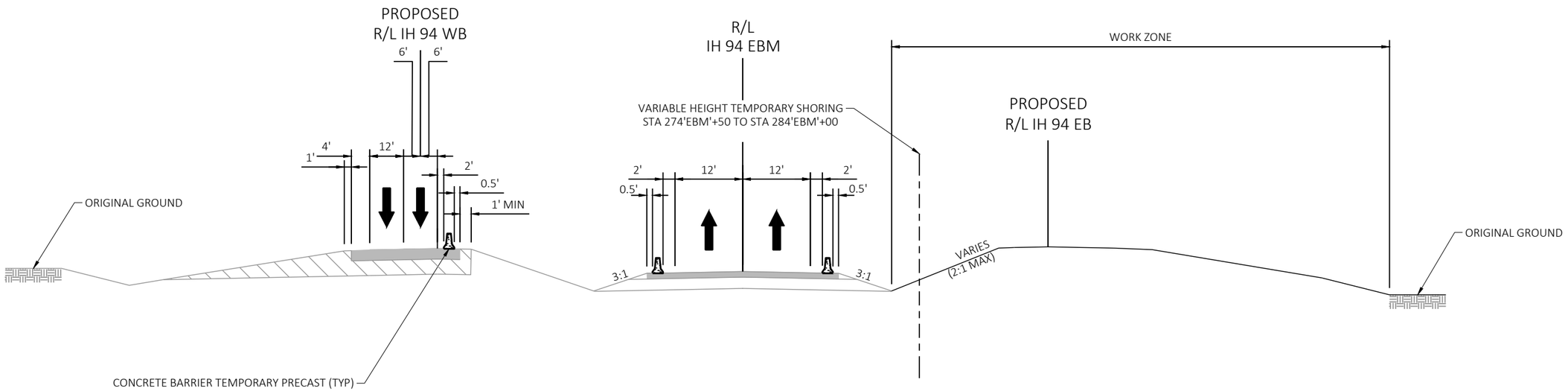


STAGE 3A TYPICAL SECTION
TEMPORARY MEDIAN ROADWAY
STA 269'EBM'+00 TO STA 294'EBM'+00
STA 388'EBM'+00 TO STA 407'EBM'+00

2



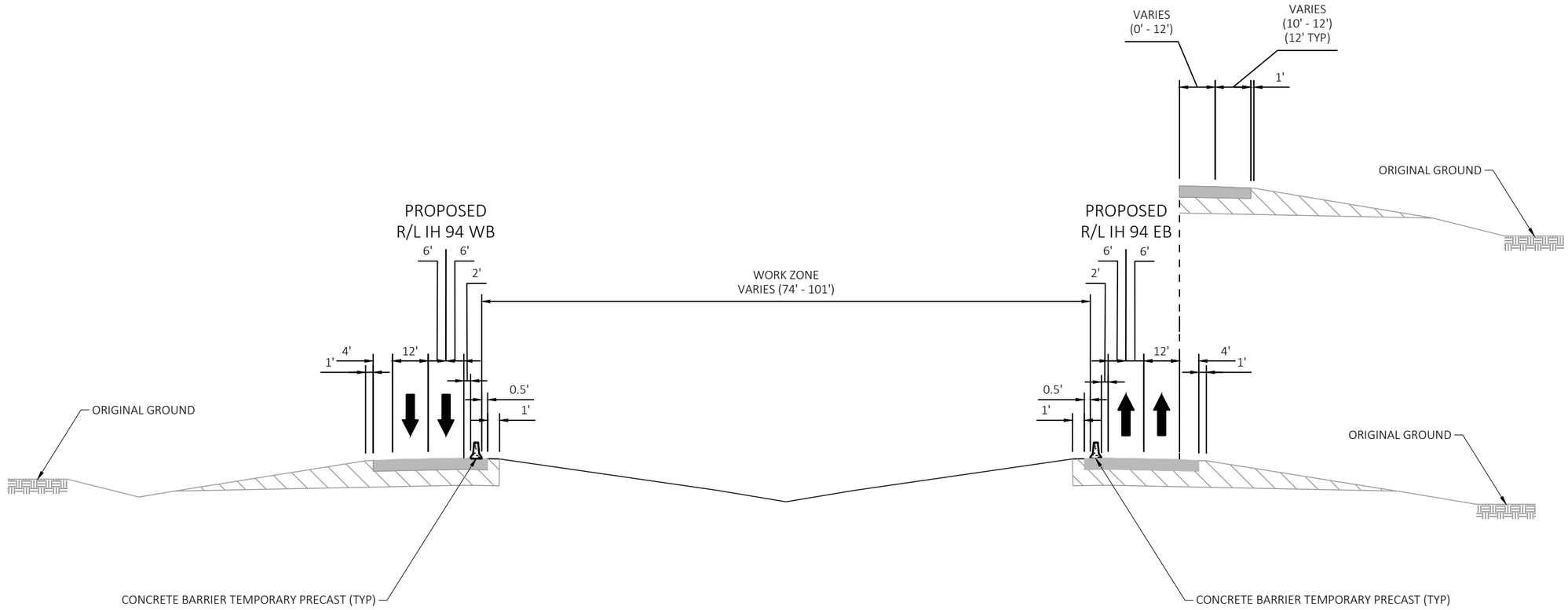
WINTER 2 TYPICAL SECTION
STA 269'WBM'+00 TO STA 294'WBM'+00
STA 388'WBM'+00 TO STA 407'WBM'+00



STAGE 3B TYPICAL SECTION
TEMPORARY MEDIAN ROADWAY
STA 269'EBM'+00 TO STA 294'EBM'+00
STA 388'EBM'+00 TO STA 407'EBM'+00

2

STA 395'EB'+00 TO 405'EB'+00



STAGE 4 TYPICAL SECTION
STA 269'WB'+00 TO STA 294'WB'+00
STA 388'WB'+00 TO STA 407'WB'+00

STAGE 4 TYPICAL SECTION
STA 269'EB'+00 TO STA 294'EB'+00
STA 388'EB'+00 TO STA 407'EB'+00

2

2

N

EXISTING WB STRUCTURE

C/L KINNEY ROAD

R/L IH 94 WB

IH 94 WB

282'WB'+00

283'WB'+00

284'WB'+00

SSPRC CLASS IV 30-INCH

R/L IH 94 TEMPORARY MEDIAN ROADWAY

26' MIN. CLEAR WIDTH

TEMPORARY SHORING REQUIRED (TYP.)
INCIDENTAL TO TEMPORARY STRUCTURE

TEMPORARY MEDIAN ROADWAY

282'WBM'+00

283'WBM'+00

284'WBM'+00

26' MIN. CLEAR WIDTH

PROPOSED MINIMUM 60-FT SPAN TEMPORARY STRUCTURE
(CENTERED ON KINNEY ROAD)
PROVIDE 14'-9" MINIMUM VERTICAL CLEARANCE
TEMPORARY BARRIER CONNECTION TO
TEMPORARY STRUCTURE PARAPET INCLUDED
WITH TEMPORARY STRUCTURE

EXISTING EB STRUCTURE

IH 94 EB

282'EB'+00

283'EB'+00

284'EB'+00

R/L IH 94 EB

KINNEY ROAD

MIDWEST NATURAL GAS

CAUTION

LOCATED FIBER OPTIC
(NO CONFLICTS ANTICIPATED)

AT&T WISCONSIN

FRONTIER

XCEL ENERGY

BALDWIN TELECOM

MANHOLES 5-J

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - TEMPORARY STRUCTURE AT KINNEY ROAD	SHEET 34	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\025201-PD.DWG
LAYOUT NAME - 025201-pd
PLOT DATE : 5/8/2024 5:08 PM
PLOT BY : BRUCKNER, KAITLYN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2

2

N

C/L 100TH STREET

R/L IH 94 WB

IH 94 WB

EXISTING WB STRUCTURE

395'WB'+00

396'WB'+00

397'WB'+00

398'WB'+00

PROPOSED MINIMUM 60-FT SPAN TEMPORARY STRUCTURE
(CENTERED ON KINNEY ROAD)
PROVIDE 14'-9" MINIMUM VERTICAL CLEARANCE
TEMPORARY BARRIER CONNECTION TO
TEMPORARY STRUCTURE PARAPET INCLUDED
WITH TEMPORARY STRUCTURE

11'CX'+00

26' MIN. CLEAR WIDTH

TEMPORARY SHORING REQUIRED (TYP.)
INCIDENTAL TO TEMPORARY STRUCTURE

AT&T WISCONSIN

TEMPORARY MEDIAN ROADWAY

395'WBM'+00

396'WBM'+00

397'WBM'+00

398'WBM'+00

R/L IH 94 TEMPORARY MEDIAN ROADWAY

26' MIN. CLEAR WIDTH

MIDWEST NATURAL GAS

CAUTION

395'EB'+00

396'EB'+00

397'EB'+00

398'EB'+00

EXISTING EB STRUCTURE

100TH STREET

R/L IH 94 EB

IH 94 EB

MP

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - TEMPORARY STRUCTURE AT 100TH STREET	SHEET 35	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\025201-PD.DWG
LAYOUT NAME - 025202-pd
PLOT DATE : 5/8/2024 5:09 PM
PLOT BY : BRUCKNER, KAITLYN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2

TOWN OF HUDSON

KINNEY ROAD

IH 94 WB
IH 94 EB

N

2

TOWN OF WARREN

100TH STREET/
TWIN LAKE ROAD

IH 94 WB
IH 94 EB

N

STATE WEIGHT ENFORCEMENT FACILITY

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL OVERVIEW - STAGE 1	SHEET 36	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026000-S1.DWG
LAYOUT NAME - 026000-S1
PLOT DATE : 5/8/2024 5:09 PM
PLOT BY : BRUCKNER, KAITLYN
PLOT NAME :
PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 44

2

N

SPEED LIMIT 70

R2-1

500'

IH 94 WB

IH 94 EB

240'WBX 242'WBX 244'WBX 246'WBX 248'WBX

238'EBX 240'EBX 242'EBX 244'EBX 246'EBX 248'EBX

MATCHLINE 249'EBX+50

SPEED LIMIT YY

SPEED LIMIT YY

PCMS

700' 500'

500' 3800' 1000' 500'

FINES DOUBLE IN WORK ZONES

Give 'em a BRAKE SLOW DOWN

W21-62
96"X48"

ROAD WORK 1 MILE

W20-1F

② PCMS MESSAGING

POSTED SPEED REDUCTION

FRAME 1	FRAME 2
REDUCED SPEED AHEAD	XX MPH

NO SPEED REDUCTION

(FLASHING CAUTION MODE)

LEFT SHOULDER CLOSED AHEAD

W21-5BL

LEFT LANE CLOSED 1/2 MILE

W20-5SG

LEFT SHOULDER CLOSED

W21-5AL

W04-2L

USE FOR OFF-PEAK LANE CLOSURES

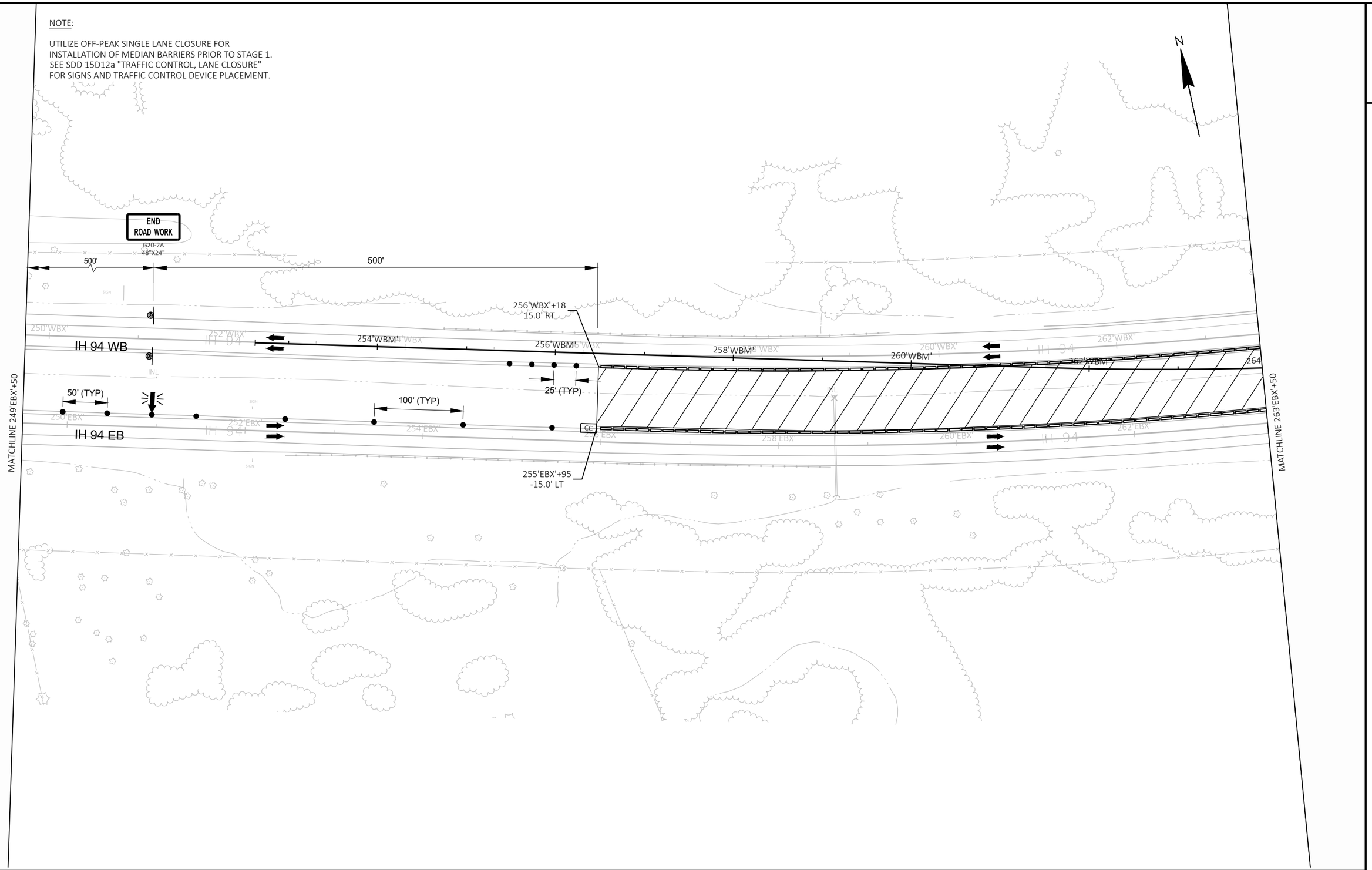
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 1 AT KINNEY ROAD	SHEET 37	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 026001-s1

PLOT DATE : 5/8/2024 5:12 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

NOTE:

UTILIZE OFF-PEAK SINGLE LANE CLOSURE FOR INSTALLATION OF MEDIAN BARRIERS PRIOR TO STAGE 1. SEE SDD 15D12a "TRAFFIC CONTROL, LANE CLOSURE" FOR SIGNS AND TRAFFIC CONTROL DEVICE PLACEMENT.

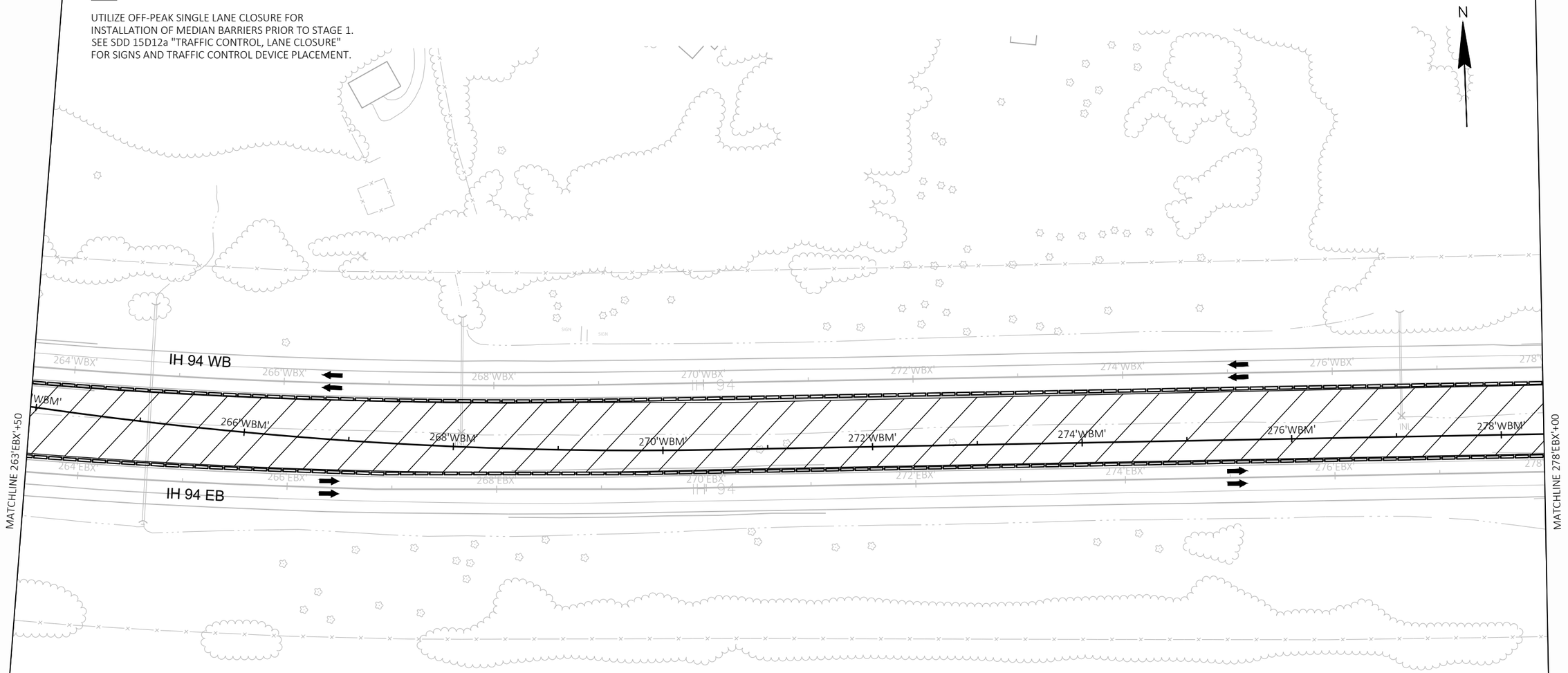


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 1 AT KINNEY ROAD	SHEET 38	E

2

NOTE:

UTILIZE OFF-PEAK SINGLE LANE CLOSURE FOR INSTALLATION OF MEDIAN BARRIERS PRIOR TO STAGE 1. SEE SDD 15D12a "TRAFFIC CONTROL, LANE CLOSURE" FOR SIGNS AND TRAFFIC CONTROL DEVICE PLACEMENT.

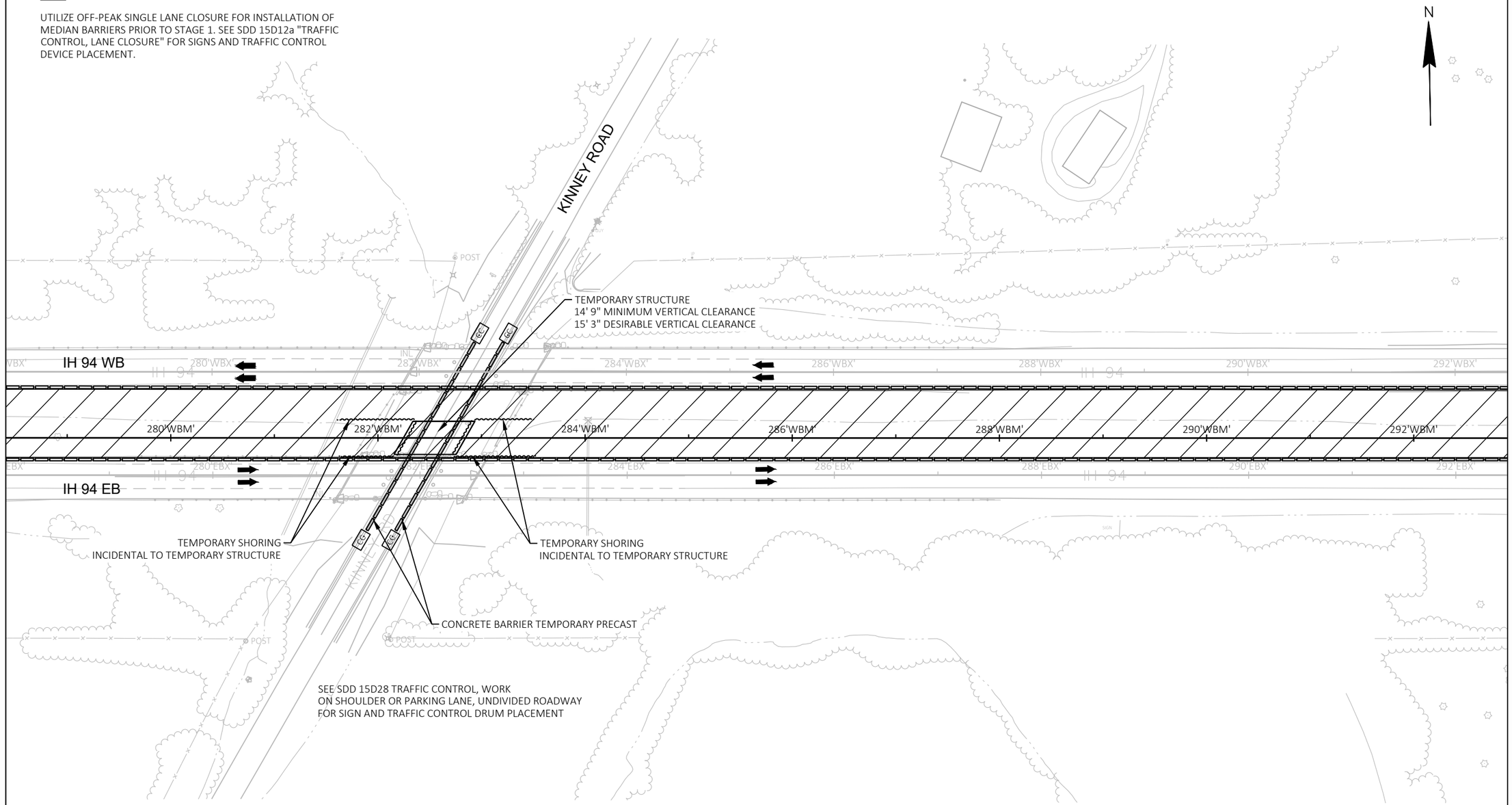


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 1 AT KINNEY ROAD	SHEET 39	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 026003-s1
PLOT DATE : 5/8/2024 5:13 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

NOTE:

UTILIZE OFF-PEAK SINGLE LANE CLOSURE FOR INSTALLATION OF MEDIAN BARRIERS PRIOR TO STAGE 1. SEE SDD 15D12a "TRAFFIC CONTROL, LANE CLOSURE" FOR SIGNS AND TRAFFIC CONTROL DEVICE PLACEMENT.



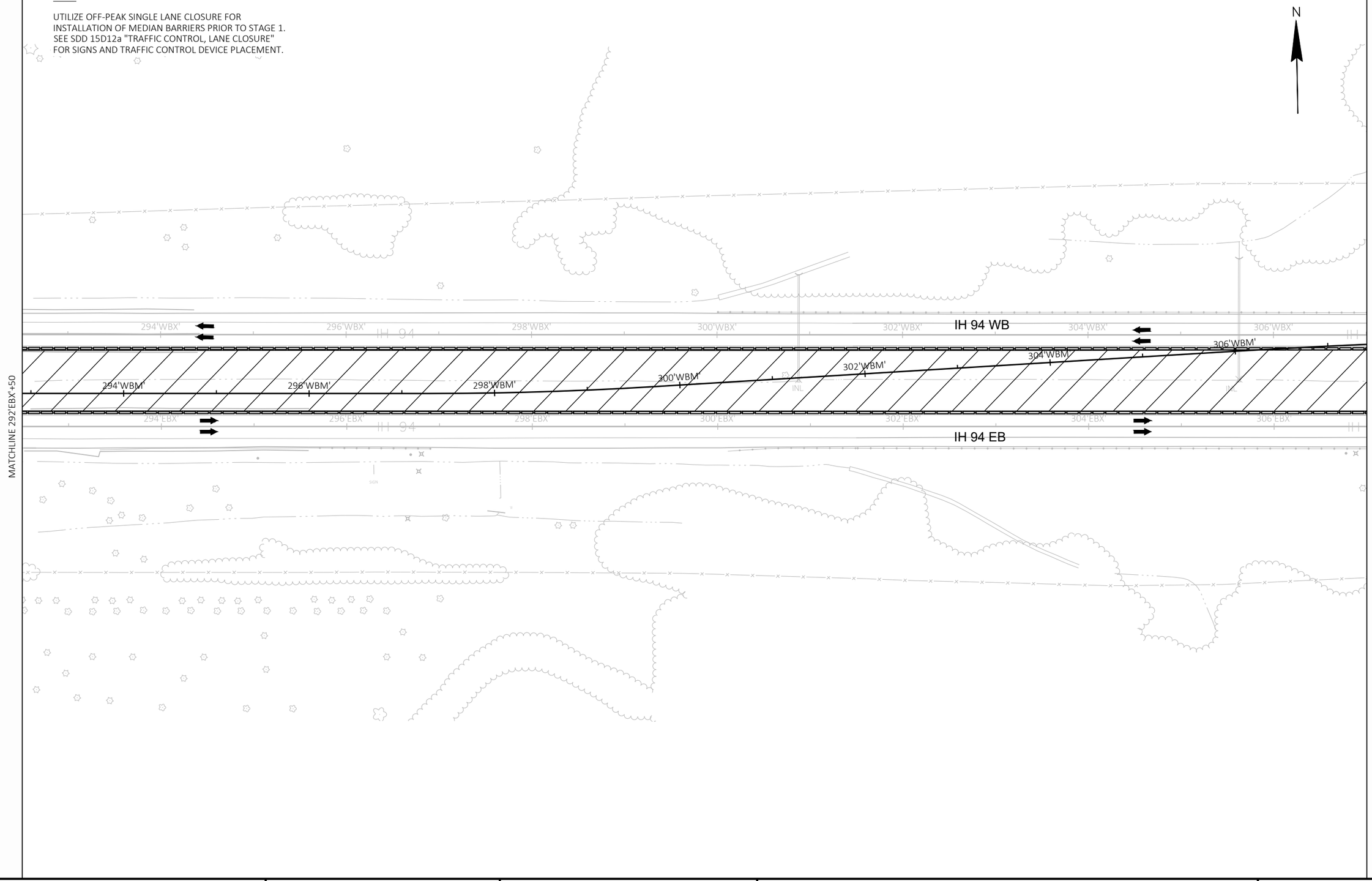
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 1 AT KINNEY ROAD	SHEET 40	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 026004-s1

PLOT DATE : 5/8/2024 5:13 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

NOTE:

UTILIZE OFF-PEAK SINGLE LANE CLOSURE FOR INSTALLATION OF MEDIAN BARRIERS PRIOR TO STAGE 1. SEE SDD 15D12a "TRAFFIC CONTROL, LANE CLOSURE" FOR SIGNS AND TRAFFIC CONTROL DEVICE PLACEMENT.



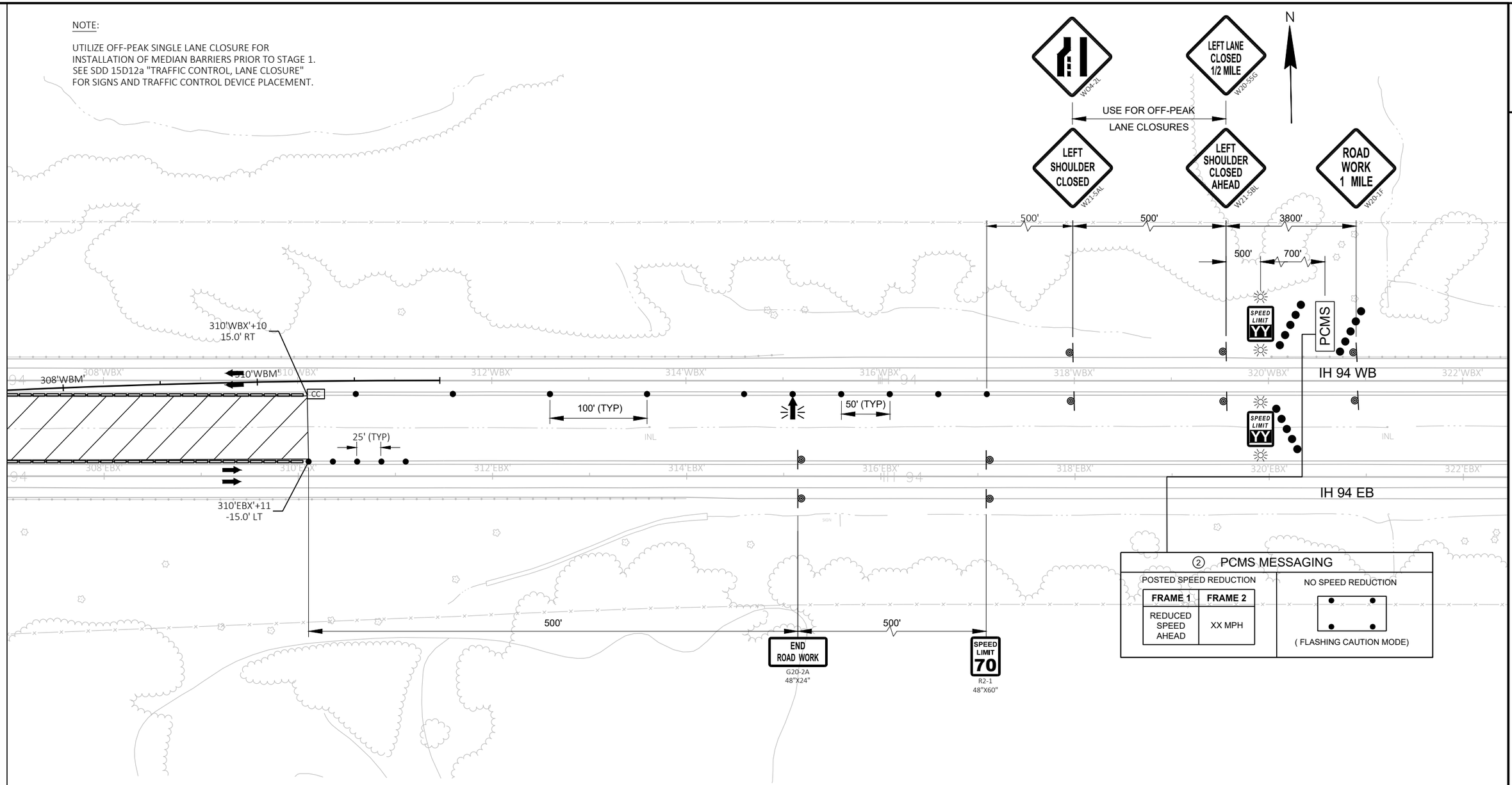
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 1 AT KINNEY ROAD	SHEET 41	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 026005-s1

PLOT DATE : 5/8/2024 5:13 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

NOTE:

UTILIZE OFF-PEAK SINGLE LANE CLOSURE FOR INSTALLATION OF MEDIAN BARRIERS PRIOR TO STAGE 1. SEE SDD 15D12a "TRAFFIC CONTROL, LANE CLOSURE" FOR SIGNS AND TRAFFIC CONTROL DEVICE PLACEMENT.



PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 1 AT KINNEY ROAD	SHEET 42	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 026006-s1
PLOT DATE : 5/8/2024 5:13 PM
PLOT BY : BRUCKNER, KAITLYN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

2

N

IH 94 WB

IH 94 EB

350'WBX' 352'WBX' IH 94 354'WBX' 356'WBX' 358'WBX' 360'WBX' 362'WBX' IH 94

350'EBX' 352'EBX' IH 94 354'EBX' 356'EBX' 358'EBX' 360'EBX' 362'EBX' IH 94

INL

SIGN

MATCHLINE 363'EBX'+50

PCMS

SPEED LIMIT YY

SPEED LIMIT YY

700'

500'

3800'

ROAD WORK 1 MILE W20-1P

LEFT SHOULDER CLOSED AHEAD W21-58L

LEFT LANE CLOSED 1/2 MILE W20-55G

② PCMS MESSAGING

POSTED SPEED REDUCTION

FRAME 1	FRAME 2
REDUCED SPEED AHEAD	XX MPH

NO SPEED REDUCTION

(FLASHING CAUTION MODE)

USE FOR OFF-PEAK LANE CLOSURES

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 1 AT 100TH STREET	SHEET 43	E

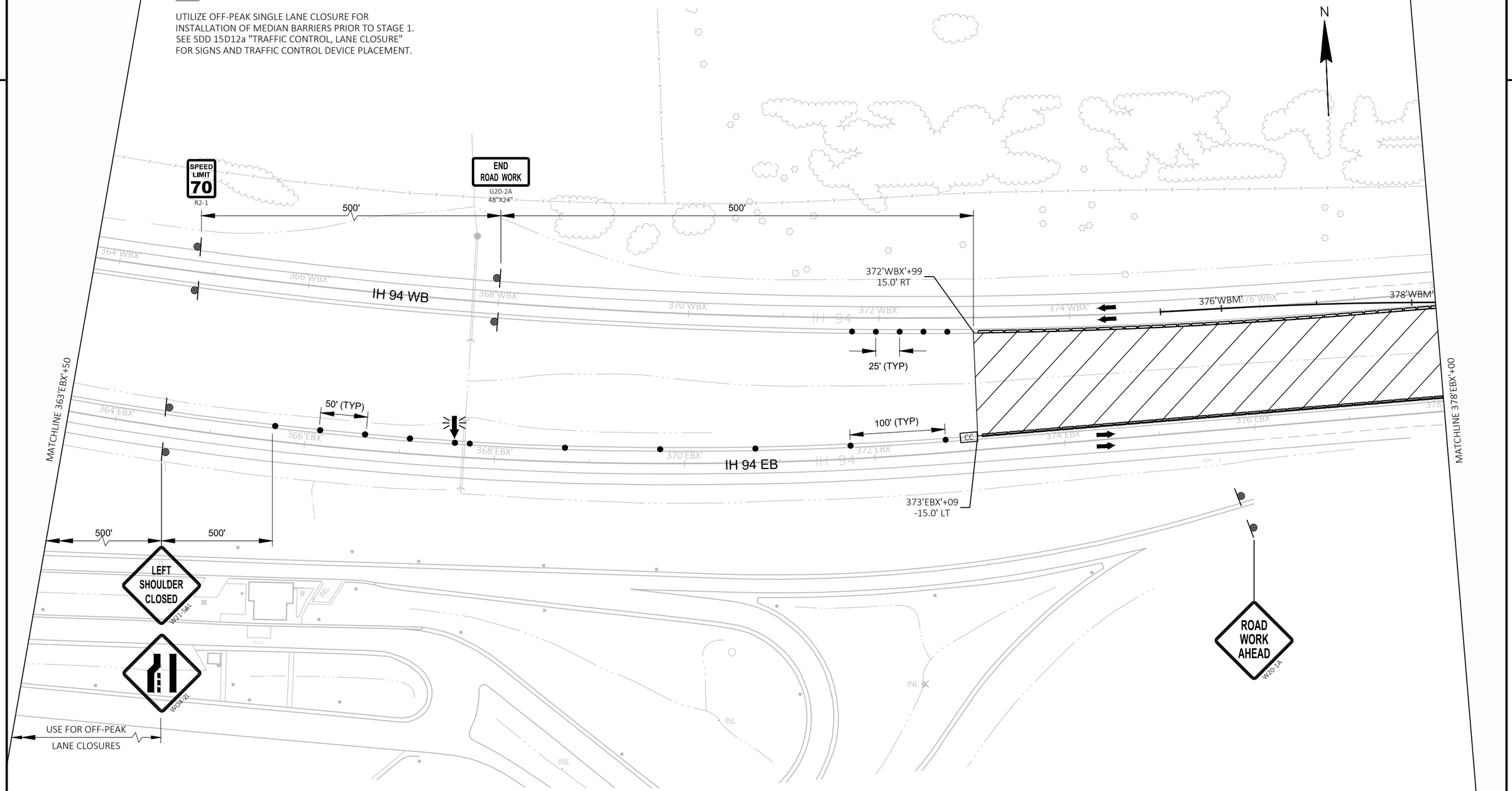
FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 026007-s1

PLOT DATE : 5/8/2024 5:14 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

NOTE:

UTILIZE OFF-PEAK SINGLE LANE CLOSURE FOR INSTALLATION OF MEDIAN BARRIERS PRIOR TO STAGE 1. SEE SDD 15D12a "TRAFFIC CONTROL, LANE CLOSURE" FOR SIGNS AND TRAFFIC CONTROL DEVICE PLACEMENT.



PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 1 AT 100TH STREET	SHEET 44	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 026008-s1

PLOT DATE : 5/8/2024 5:14 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

NOTE:

UTILIZE OFF-PEAK SINGLE LANE CLOSURE FOR INSTALLATION OF MEDIAN BARRIERS PRIOR TO STAGE 1. SEE SDD 15D12a "TRAFFIC CONTROL, LANE CLOSURE" FOR SIGNS AND TRAFFIC CONTROL DEVICE PLACEMENT.

N

IH 94 WB

IH 94 EB

380'WBM'

382'WBM'

384'WBM'

386'WBM'

388'WBM'

390'WBM'

392'WBM'

MATCHLINE 378'EBX'+00

MATCHLINE 392'EBX'+50

POST

POST

POST

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 1 AT 100TH STREET	SHEET 45	E

2

NOTE:

UTILIZE OFF-PEAK SINGLE LANE CLOSURE FOR INSTALLATION OF MEDIAN BARRIERS PRIOR TO STAGE 1. SEE SDD 15D12a "TRAFFIC CONTROL, LANE CLOSURE" FOR SIGNS AND TRAFFIC CONTROL DEVICE PLACEMENT.

SEE SDD 15D28 TRAFFIC CONTROL, WORK ON SHOULDER OF PARKING LANE, UNDIVIDED ROADWAY FOR SIGN AND TRAFFIC CONTROL DRUM PLACEMENT

CONCRETE BARRIER TEMPORARY PRECAST

TEMPORARY STRUCTURE
14' 9" MINIMUM VERTICAL CLEARANCE
15' 3" DESIRABLE VERTICAL CLEARANCE

IH 94 WB

IH 94 EB

394'WBX 396'WBX 398'WBX 400'WBX 402'WBX 404'WBX 406'WBX

394'WBM' 396'WBM' 398'WBM' 400'WBM' 402'WBM' 404'WBM' 406'WBM'

394'EBX 396'EBX 398'EBX 400'EBX 402'EBX 404'EBX 406'EBX

MATCHLINE 392'EBX+50

MATCHLINE 407'EBX+00

TEMPORARY SHORING
INCIDENTAL TO TEMPORARY STRUCTURE

TEMPORARY SHORING
INCIDENTAL TO TEMPORARY STRUCTURE

100TH STREET

MP

POST

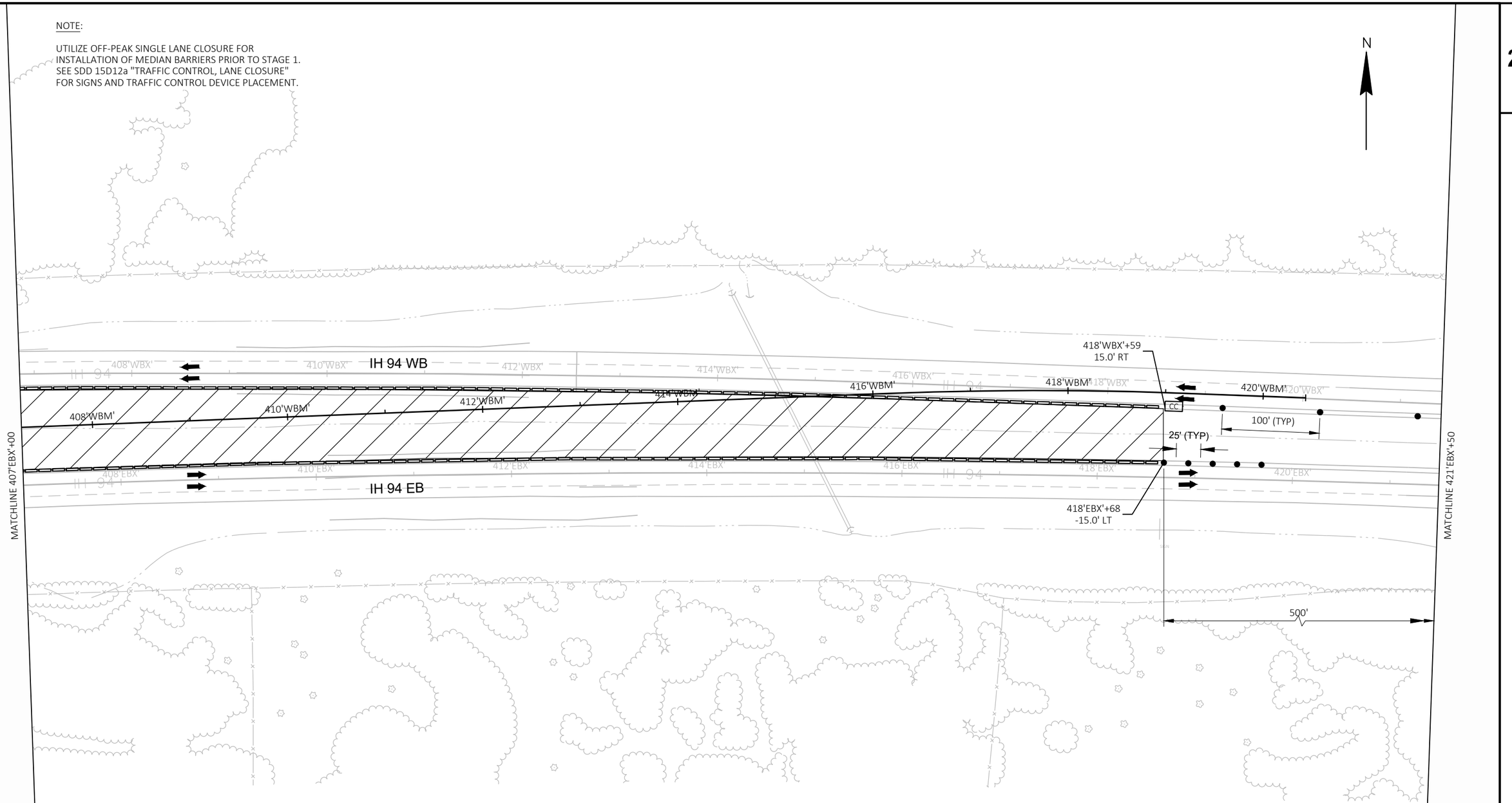
N

2

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 1 AT 100TH STREET	SHEET 46	E

NOTE:

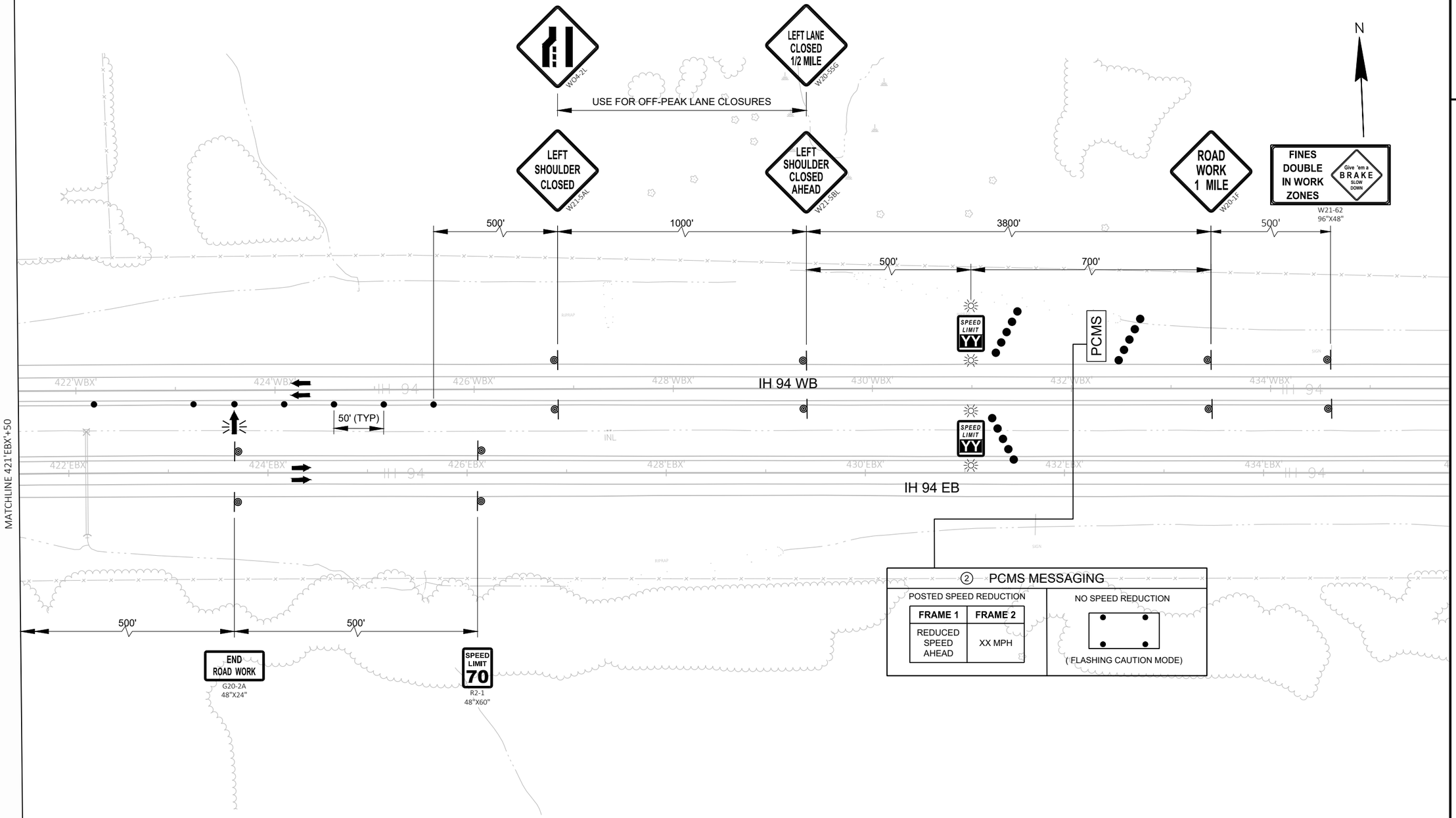
UTILIZE OFF-PEAK SINGLE LANE CLOSURE FOR INSTALLATION OF MEDIAN BARRIERS PRIOR TO STAGE 1. SEE SDD 15D12a "TRAFFIC CONTROL, LANE CLOSURE" FOR SIGNS AND TRAFFIC CONTROL DEVICE PLACEMENT.



PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 1 AT 100TH STREET	SHEET 47	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 026011-s1
PLOT DATE : 5/10/2024 10:23 AM PLOT BY : WAGNER, NOLAN PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 1 AT 100TH STREET	SHEET 48	E

2

TOWN OF HUDSON

KINNEY ROAD

N

IH 94 WB
IH 94 EB

2

TOWN OF WARREN

100TH STREET/
TWIN LAKE ROAD

N

IH 94 WB
IH 94 EB

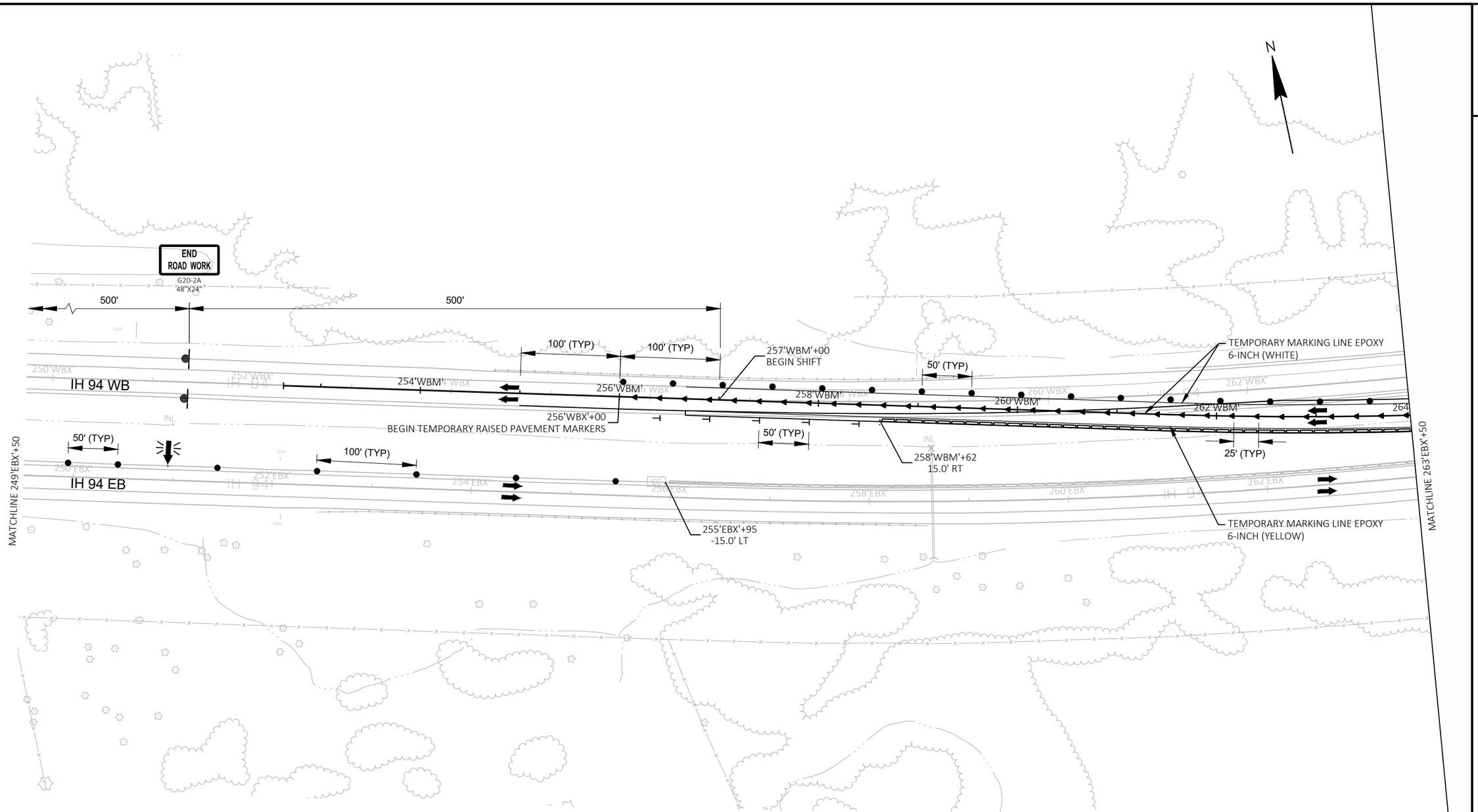
STATE WEIGHT ENFORCEMENT FACILITY

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL OVERVIEW - STAGE 2	SHEET 49	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026100-S2.DWG
LAYOUT NAME - 026100-S2

PLOT DATE : 5/8/2024 5:16 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:500 FT

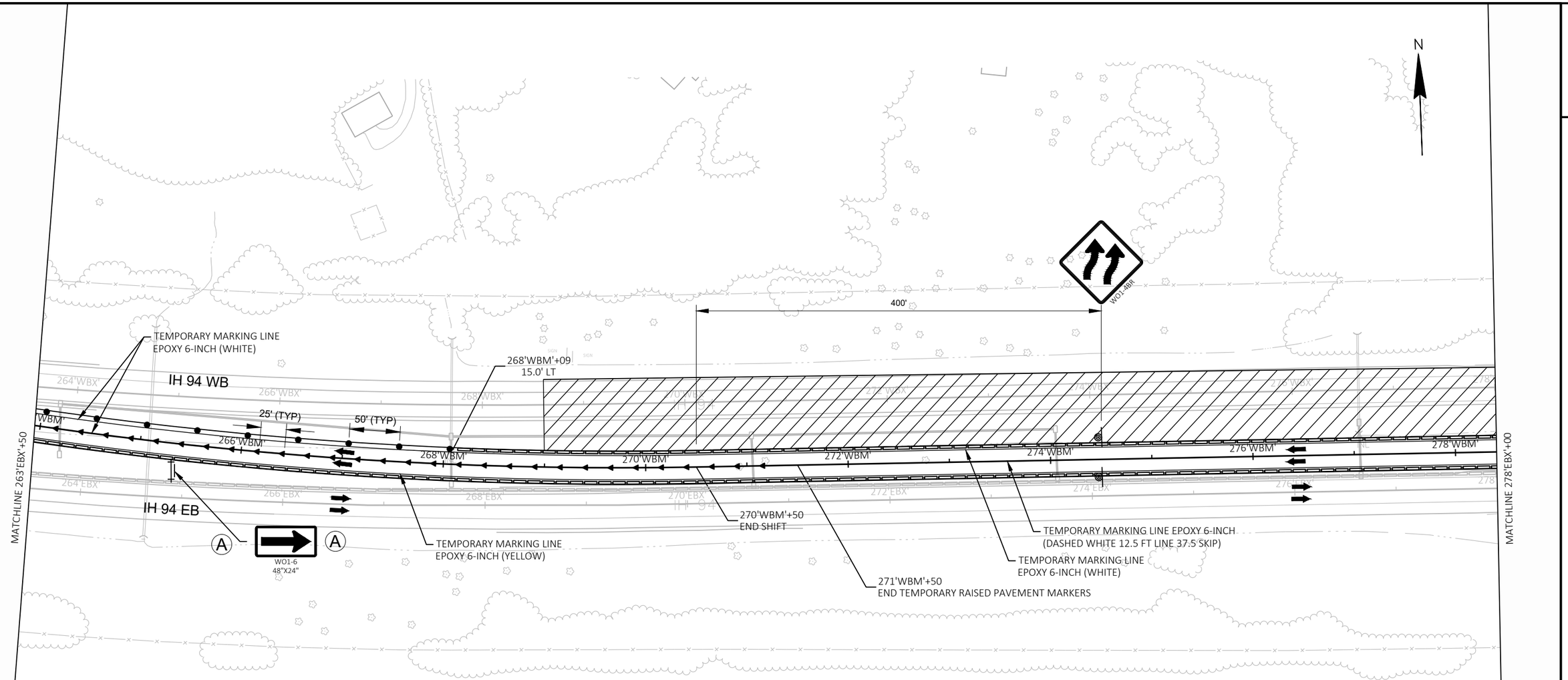
2



PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 2 AT KINNEY ROAD	SHEET 50	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026101-S2.DWG
LAYOUT NAME - 026101-s2
PLOT DATE : 5/10/2024 10:11 AM PLOT BY : WAGNER, NOLAN PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 2 AT KINNEY ROAD	SHEET 51	E

2

2

N

KINNEY ROAD

SEE SDD 15D28 TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN AND TRAFFIC CONTROL DRUM PLACEMENT

TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)

280'WBM' 282'WBM' 284'WBM' 286'WBM' 288'WBM' 290'WBM' 292'WBM'

280'EBX' 282'EBX' 284'EBX' 286'EBX' 288'EBX' 290'EBX' 292'EBX'

IH 94 EB

IH 94

TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)

TEMPORARY MARKING LINE EPOXY 6-INCH (DASHED WHITE 12.5 FT LINE 37.5 SKIP)

EXISTING PIPE TO REMAIN IN PLACE

TEMPORARY STRUCTURE

MATCHLINE 278'EBX'+00

MATCHLINE 292'EBX'+50

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 2 AT KINNEY ROAD	SHEET 52	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026101-S2.DWG
LAYOUT NAME - 026103-s2

PLOT DATE : 5/8/2024 5:17 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

N

TEMPORARY MARKING LINE EPOXY 6-INCH (DASHED WHITE 12.5 FT LINE 37.5 SKIP)

A ROAD CLOSED A
R11-2
48"X30"

296'WBM'+27
BEGIN TEMPORARY RAISED PAVEMENT MARKERS

297'WBM'+27
BEGIN SHIFT

302'WBM'+00
15.0' LT

TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)

A WO1-6 A
48"X24"

25' (TYP)

50' (TYP)

294'WBM' 296'WBM' 298'WBM' 300'WBM' 302'WBM' 304'WBM' 306'WBM'

294'WBX' 296'WBX' 298'WBX' 300'WBX' 302'WBX' 304'WBX' 306'WBX'

IH 94 WB

294'EBX' 296'EBX' 298'EBX' 300'EBX' 302'EBX' 304'EBX' 306'EBX'

IH 94 EB

TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)

MATCHLINE 292'EBX'+50

MATCHLINE 306'EBX'+50

2

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 2 AT KINNEY ROAD	SHEET 53	E

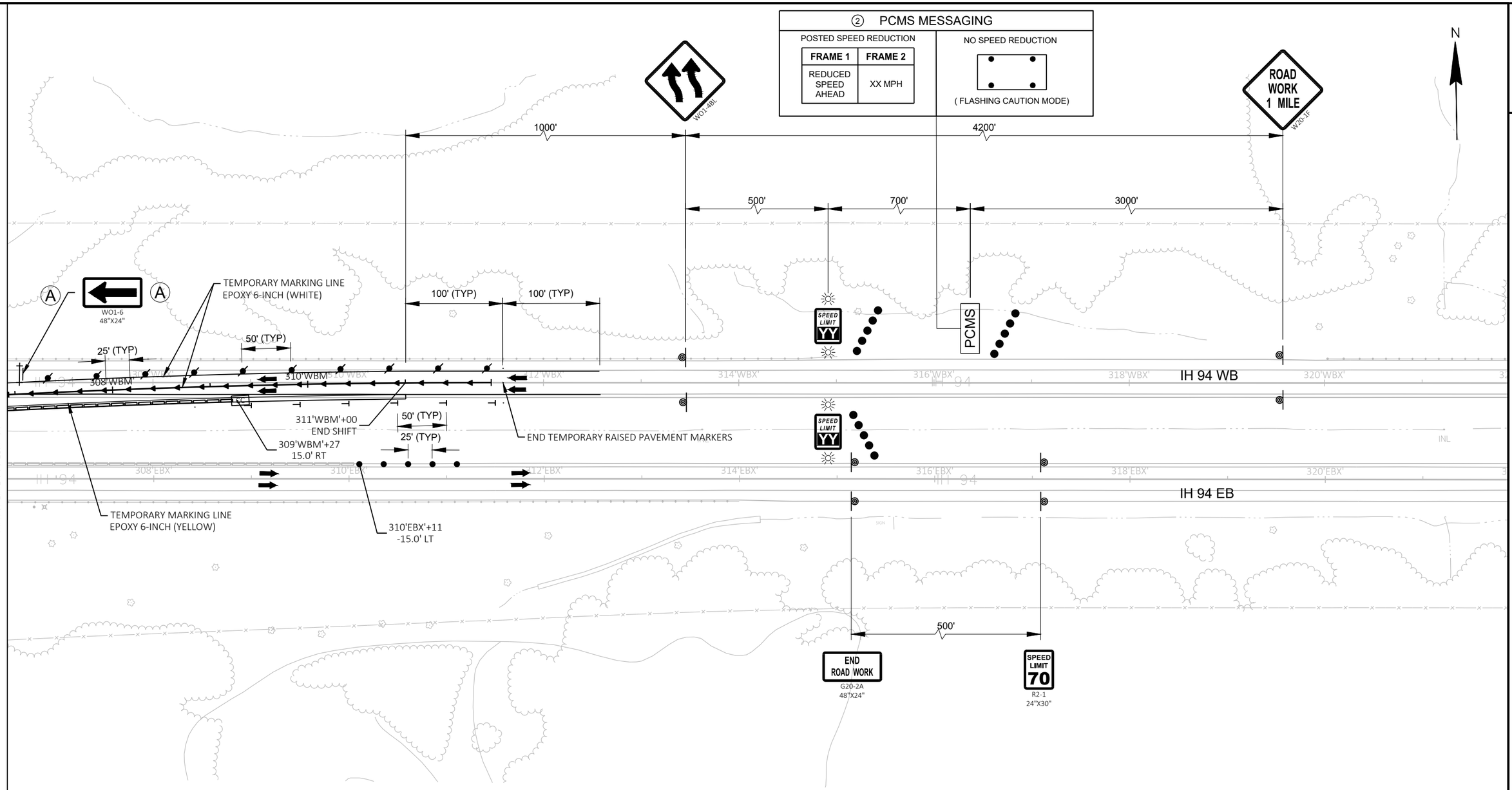
FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026101-S2.DWG
LAYOUT NAME - 026104-s2

PLOT DATE : 5/8/2024 5:18 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

② PCMS MESSAGING	
POSTED SPEED REDUCTION	NO SPEED REDUCTION
FRAME 1: REDUCED SPEED AHEAD	FRAME 2: XX MPH
	(FLASHING CAUTION MODE)

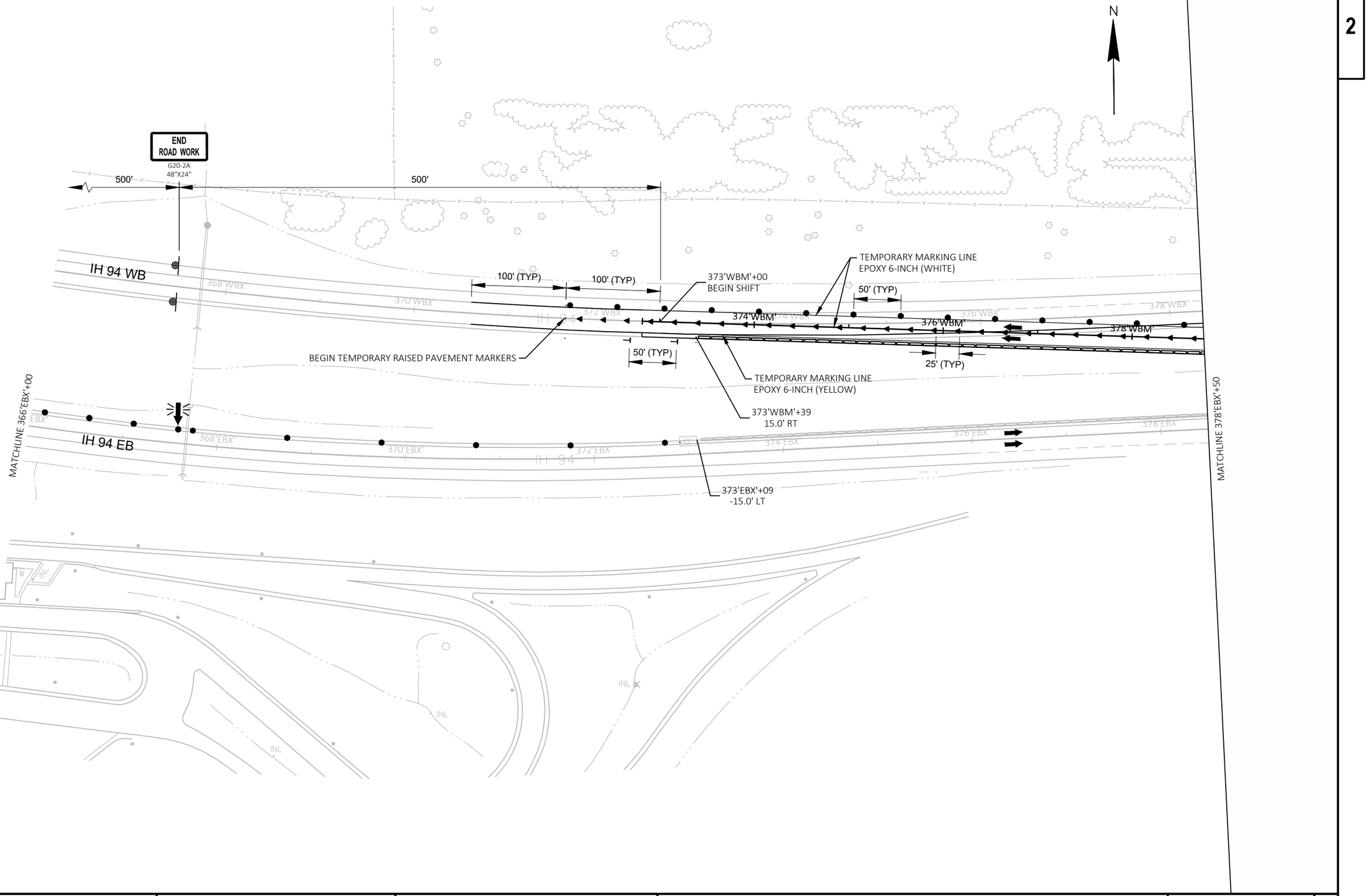


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 2 AT KINNEY ROAD	SHEET 54	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026101-S2.DWG
LAYOUT NAME - 026105-s2

PLOT DATE : 5/8/2024 5:18 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 2 AT 100TH STREET	SHEET 55	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026101-S2.DWG
LAYOUT NAME - 026107-s2
PLOT DATE : 5/10/2024 10:11 AM PLOT BY : WAGNER, NOLAN PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

2

N

TEMPORARY MARKING LINE
EPOXY 6-INCH (WHITE)

385'WBM'+00
END SHIFT

400'

385'WBM'+60
15.0' LT

386'WBM'+00
END TEMPORARY RAISED PAVEMENT MARKERS

TEMPORARY MARKING LINE
EPOXY 6-INCH (WHITE)

WO1-4BR

IH 94 WB

380'WBX' 382'WBX' 384'WBX' 386'WBX' 388'WBX' 390'WBX' 392'WBX'

50' (TYP)

380'WBM' 382'WBM' 384'WBM' 386'WBM' 388'WBM' 390'WBM' 392'WBM'

25' (TYP)

50' (TYP)

100' (TYP)

380'EBX' 382'EBX' 384'EBX' 386'EBX' 388'EBX' 390'EBX' 392'EBX'

IH 94 EB

A A

WO1-6
48"X24"

TEMPORARY MARKING LINE EPOXY 6-INCH
(DASHED WHITE 12.5 FT LINE 37.5 SKIP)

TEMPORARY MARKING LINE
EPOXY 6-INCH (YELLOW)

POST POST POST POST

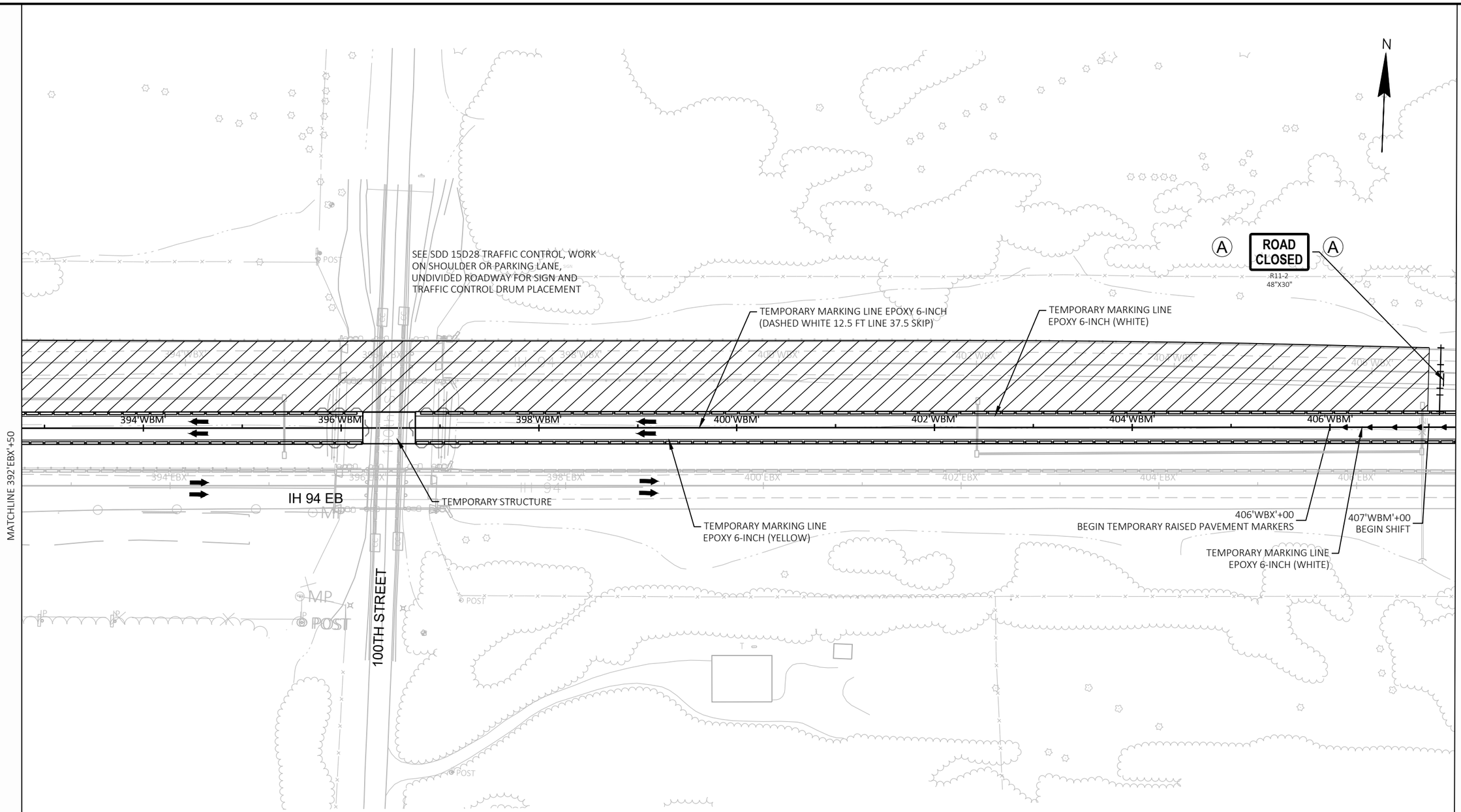
MATCHLINE 378'EBX'+50

MATCHLINE 392'EBX'+50

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 2 AT 100TH STREET	SHEET 56	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026101-S2.DWG
LAYOUT NAME - 026108-s2
PLOT DATE : 5/8/2024 5:18 PM
PLOT BY : BRUCKNER, KAITLYN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

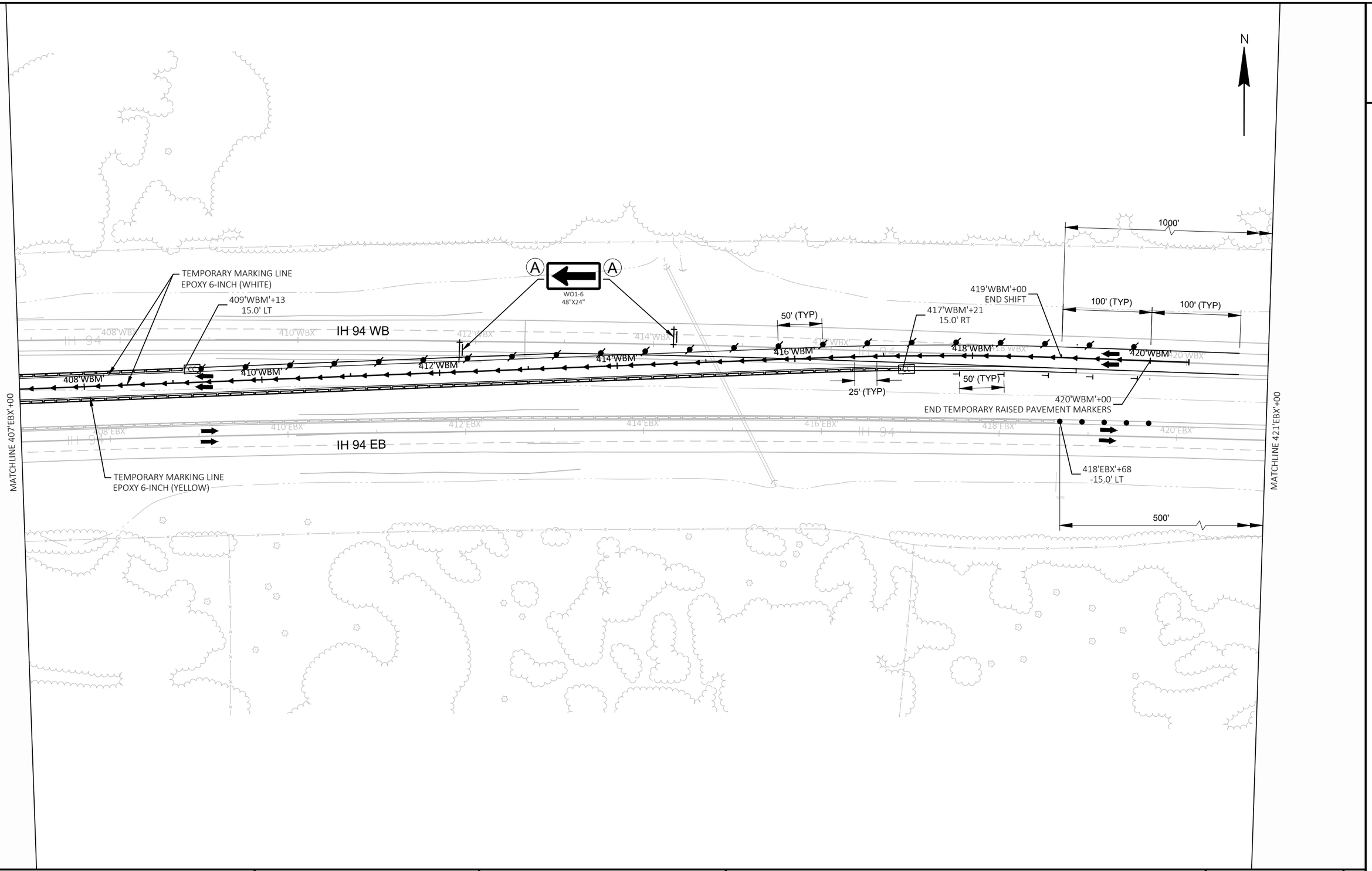


2

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 2 AT 100TH STREET	SHEET 57	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026101-S2.DWG
LAYOUT NAME - 026109-s2
PLOT DATE : 5/8/2024 5:19 PM
PLOT BY : BRUCKNER, KAITLYN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



2

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 2 AT 100TH STREET	SHEET 58	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026101-S2.DWG
LAYOUT NAME - 026110-s2
PLOT DATE : 5/8/2024 5:19 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

② PCMS MESSAGING	
POSTED SPEED REDUCTION	NO SPEED REDUCTION
FRAME 1: REDUCED SPEED AHEAD	FRAME 2: XX MPH
	(FLASHING CAUTION MODE)

N

W01-4BL

1000'

4200'

ROAD WORK 1 MILE
W20-1F

FINES DOUBLE IN WORK ZONES
Give 'em a BRAKE SLOW DOWN
W21-62
96"X48"

500'

700'

3000'

500'

SPEED LIMIT YY

PCMS

IH 94 WB

422'WBX' 424'WBX' 426'WBX' 428'WBX' 430'WBX' 432'WBX' 434'WBX'

SPEED LIMIT YY

IH 94 EB

422'EBX' 424'EBX' 426'EBX' 428'EBX' 430'EBX' 432'EBX' 434'EBX'

MATCHLINE 421'EBX'+00

500'

500'

END ROAD WORK
G20-2A
48"X24"

SPEED LIMIT 70
R2-1
24"X30"

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 2 AT 100TH STREET	SHEET 59	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026101-S2.DWG
LAYOUT NAME - 026111-s2

PLOT DATE : 5/8/2024 5:19 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

TOWN OF HUDSON

KINNEY ROAD

IH 94 WB
IH 94 EB

N

2

TOWN OF WARREN

100TH STREET/
TWIN LAKE ROAD

IH 94 WB
IH 94 EB

N

STATE WEIGHT ENFORCEMENT FACILITY

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL OVERVIEW - STAGE 3A	SHEET 60	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026200-S3A.DWG
LAYOUT NAME - 026200-S3A
PLOT DATE : 5/8/2024 5:20 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 44

2

N

SPEED LIMIT 70
R2-1
24"X30"

500'

242'WBX
240'WBX
238'WBX
244'WBX
246'WBX
248'WBX
IH 94

IH 94 WB

SPEED LIMIT YY

INL

242'EBX
240'EBX
238'EBX
244'EBX
246'EBX
248'EBX
IH 94

IH 94 EB

PCMS

SPEED LIMIT YY

700'
500'

MATCHLINE 249'EBX+50

500'
3800'
1000'
500'

ROAD WORK 1 MILE
W20-1F

FINES DOUBLE IN WORK ZONES
Give 'em a BRAKE SLOW DOWN
W21-62
96"X48"

LEFT SHOULDER CLOSED AHEAD
W21-5BL

LEFT SHOULDER CLOSED
W21-5AL

LEFT LANE CLOSED 1/2 MILE
W20-5SG

W04-2L

USE FOR OFF-PEAK LANE CLOSURES

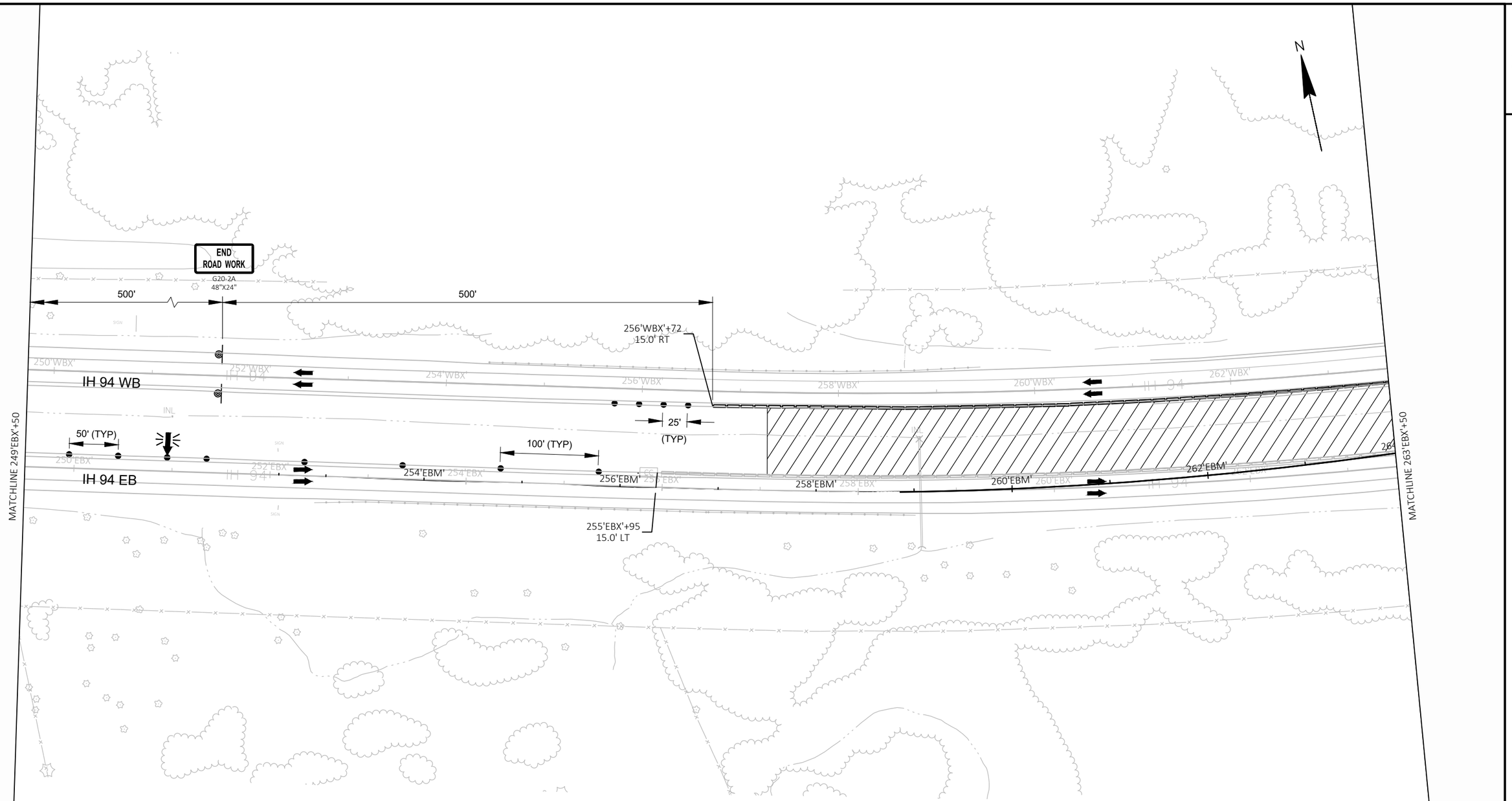
② PCMS MESSAGING

POSTED SPEED REDUCTION		NO SPEED REDUCTION
FRAME 1	FRAME 2	
REDUCED SPEED AHEAD	XX MPH	(FLASHING CAUTION MODE)

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 3A AT KINNEY	SHEET 61	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026201-S3A.DWG
LAYOUT NAME - 026201-s3a
PLOT DATE : 5/8/2024 5:21 PM
PLOT BY : BRUCKNER, KAITLYN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



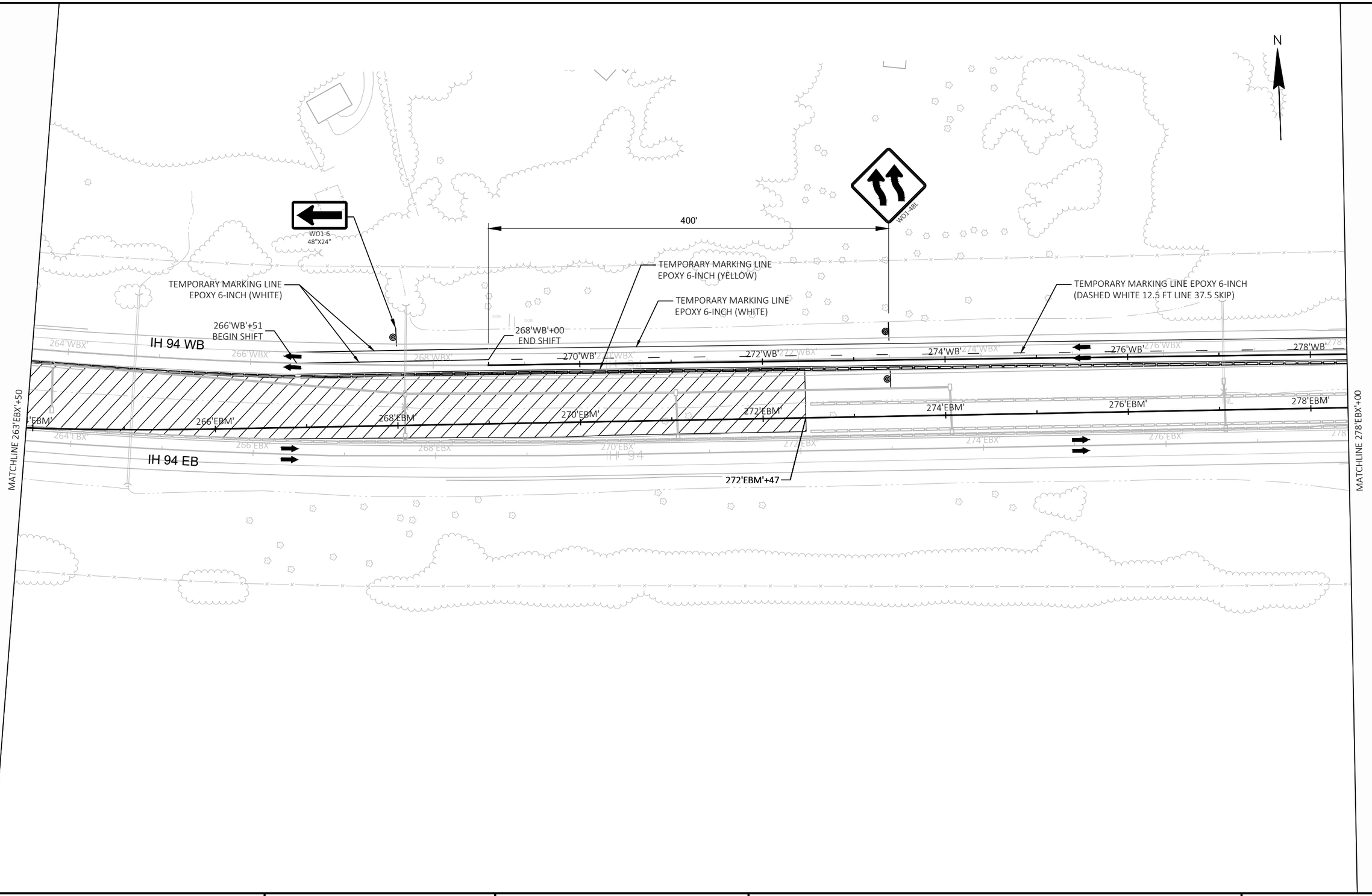
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 3A AT KINNEY	SHEET 62	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026201-S3A.DWG
LAYOUT NAME - 026202-s3a

PLOT DATE : 5/10/2024 10:08 AM PLOT BY : WAGNER, NOLAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 3A AT KINNEY	SHEET 63	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026201-S3A.DWG
LAYOUT NAME - 026203-s3a
PLOT DATE : 5/8/2024 5:21 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

N

KINNEY ROAD

TEMPORARY MARKING LINE
EPOXY 6-INCH (WHITE)

TEMPORARY MARKING LINE
EPOXY 6-INCH (YELLOW)

SEE SDD 15D28 TRAFFIC CONTROL, WORK
ON SHOULDER OR PARKING LANE,
UNDIVIDED ROADWAY FOR SIGN AND
TRAFFIC CONTROL DRUM PLACEMENT

TEMPORARY MARKING LINE EPOXY 6-INCH
(DASHED WHITE 12.5 FT LINE 37.5 SKIP)

IH 94 WB

280'WB' 282'WB' 284'WB' 286'WB' 288'WB' 290'WB' 292'WB'

280'EBM' 282'EBM' 284'EBM' 286'EBM' 288'EBM' 290'EBM' 292'EBM'

IH 94 EB

MATCHLINE 278'EBX'+00

MATCHLINE 292'EBX'+50

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 3A AT KINNEY	SHEET 64	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026201-S3A.DWG
LAYOUT NAME - 026204-s3a

PLOT DATE : 5/8/2024 5:21 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

TEMPORARY MARKING LINE
EPOXY 6-INCH (YELLOW)

TEMPORARY MARKING LINE EPOXY 6-INCH
(DASHED WHITE 12.5 FT LINE 37.5 SKIP)

294'WB'+00
BEGIN SHIFT

TEMPORARY MARKING LINE
EPOXY 6-INCH (WHITE)

W01-6
48"X24"

1000'

W01-4BR

295'WBX'+71
END SHIFT

50' (TYP)

294'WBX' 296'WBX' 298'WBX' 300'WBX' 302'WBX' 304'WBX' 306'WBX'

IH 94 WB

294'EBM' 296'EBM' 298'EBM' 300'EBM' 302'EBM' 304'EBM' 306'EBM'

294'EBX' 296'EBX' 298'EBX' 300'EBX' 302'EBX' 304'EBX' 306'EBX'

IH 94 EB

296'EBM'+24

MATCHLINE 292'EBX'+50

MATCHLINE 307'EBX'+00

500'

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 3A AT KINNEY	SHEET 65	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026201-S3A.DWG
LAYOUT NAME - 026205-s3a

PLOT DATE : 5/8/2024 5:22 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

N

W04-2L

LEFT LANE CLOSED 1/2 MILE
W20-5SG

USE FOR OFF-PEAK LANE CLOSURES

LEFT SHOULDER CLOSED
W21-5AL

LEFT SHOULDER CLOSED AHEAD
W21-5BL

ROAD WORK 1 MILE
W20-1F

500' 1000' 3800'

500' 700'

SPEED LIMIT YY

PCMS

311'WBX'+00
15.0' RT

308'WBX' 310'WBX' 312'WBX' 314'WBX' 316'WBX' 318'WBX' 320'WBX' 322'WBX'

IH 94 WB

25' (TYP)

100' (TYP)

50' (TYP)

INL

308'EBM' 308'EBX' 310'EBX' 312'EBX' 314'EBX' 316'EBX' 318'EBX' 320'EBX' 322'EBX'

IH 94 EB

310'EBX'+11
15.0' LT

MATCHLINE 307'EBX'+00

② PCMS MESSAGING

POSTED SPEED REDUCTION		NO SPEED REDUCTION
FRAME 1	FRAME 2	
REDUCED SPEED AHEAD	XX MPH	(FLASHING CAUTION MODE)

500' 500'

END ROAD WORK
G20-2A
48"X24"

SPEED LIMIT 70
R2-1
48"X60"

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 3A AT KINNEY	SHEET 66	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026201-S3A.DWG
LAYOUT NAME - 026206-s3a

PLOT DATE : 5/8/2024 5:22 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

N

IH 94 WB

IH 94 EB

350'WBX' 352'WBX' 354'WBX' 356'WBX' 358'WBX' 360'WBX' 362'WBX'

350'EBX' 352'EBX' 354'EBX' 356'EBX' 358'EBX' 360'EBX' 362'EBX'

MATCHLINE 363'EBX'+50

PCMS

SPEED LIMIT YY

700'

500'

3800'

500'

ROAD WORK 1 MILE W20-1F

LEFT SHOULDER CLOSED AHEAD W21-58L

LEFT LANE CLOSED 1/2 MILE W20-5SG

USE FOR OFF-PEAK LANE CLOSURES

② PCMS MESSAGING

POSTED SPEED REDUCTION

FRAME 1	FRAME 2
REDUCED SPEED AHEAD	XX MPH

NO SPEED REDUCTION

(FLASHING CAUTION MODE)

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 3A AT 100TH	SHEET 67	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026201-S3A.DWG
LAYOUT NAME - 026207-s3a

PLOT DATE : 5/8/2024 5:22 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

SPEED LIMIT 70
R2-1
48"X60"

END ROAD WORK
G20-2A
48"X24"

500'

500'

372'WBX'+90
15.0' RT

IH 94 WB

364'WBX'

366'WBX'

368'WBX'

370'WBX'

374'WBX'

376'WBX'

25' (TYP)

MATCHLINE 363'EBX'+50

50' (TYP)

100' (TYP)

364'EBX'

366'EBX'

368'EBX'

370'EBX'

372'EBX'

374'EBX'

376'EBX'

378'EBX'

374'EBM'

376'EBM'

378'EBM'

MATCHLINE 378'EBX'+00

IH 94 EB

373'EBX'+09
15.0' LT

1000'

500'

LEFT SHOULDER CLOSED
W21-5AL

STATE WEIGHT ENFORCEMENT FACILITY

W04-2L

USE FOR OFF-PEAK LANE CLOSURES

ROAD WORK AHEAD
W20-1A

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 3A AT 100TH	SHEET 68	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026201-S3A.DWG
LAYOUT NAME - 026208-s3a
PLOT DATE : 5/8/2024 5:22 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

2

N

400'

WO1-4BL

WO1-6
48"X24"

TEMPORARY MARKING LINE
EPOXY 6-INCH (WHITE)

385'WBX'+47
BEGIN SHIFT

388'WB'+00
END SHIFT

TEMPORARY MARKING LINE
EPOXY 6-INCH (YELLOW)

TEMPORARY MARKING LINE EPOXY 6-INCH
(DASHED WHITE 12.5 FT LINE 37.5 SKIP)

IH 94 WB

IH 94 EB

380'EBM'

382'EBM'

383'EBM'+33

384'EBM'

386'EBM'

388'EBM'

390'EBM'

392'EBM'

378'WBX'

380'WBX'

382'WBX'

384'WBX'

386'WBX'

388'WB'

388'WBX'

390'WB'

390'WBX'

392'WB'

392'WBX'

378'EBX'

380'EBX'

382'EBX'

384'EBX'

386'EBX'

388'EBX'

390'EBX'

392'EBX'

IH 94

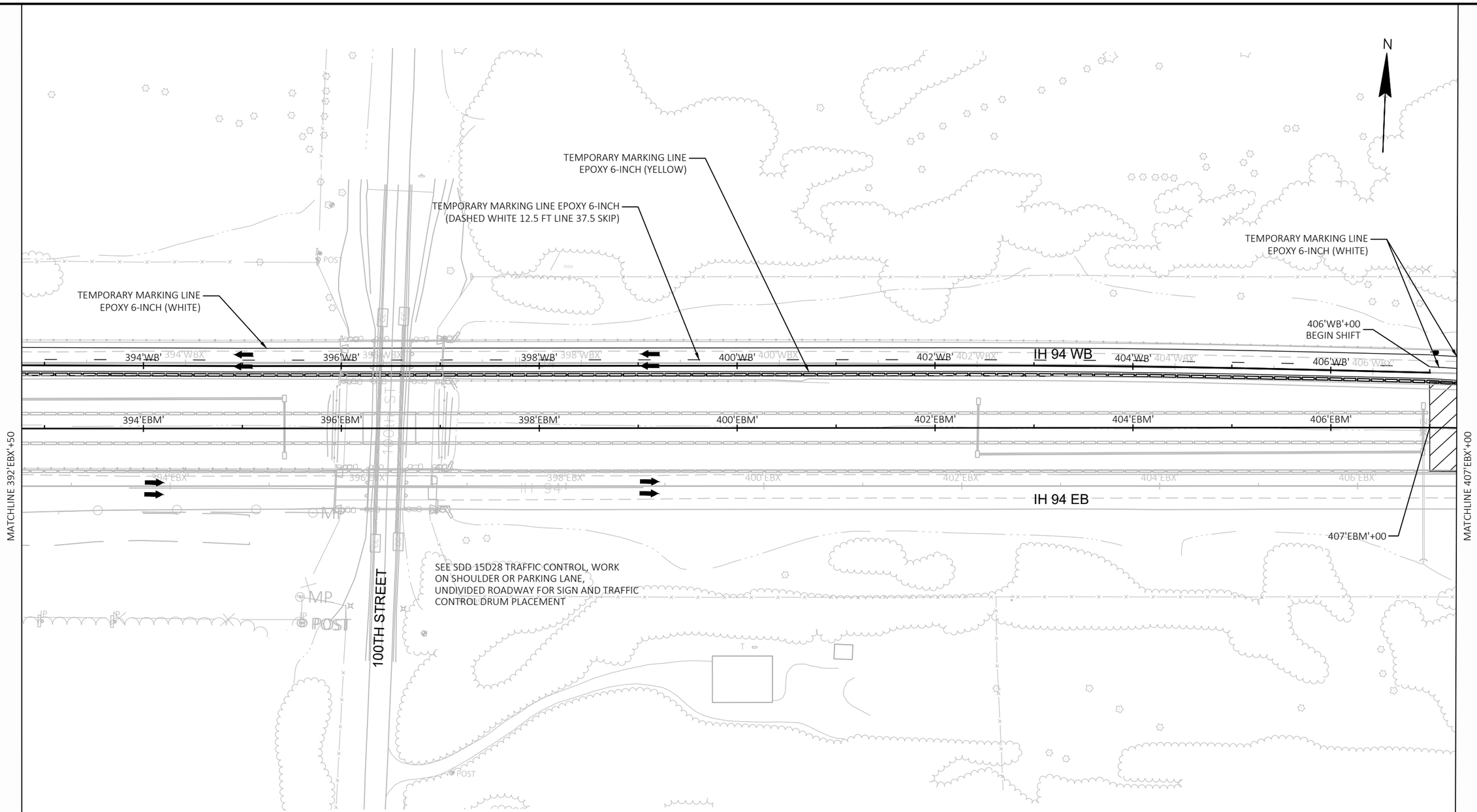
POST

MATCHLINE 378'EBX'+00

MATCHLINE 392'EBX'+50

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 3A AT 100TH	SHEET 69	E

2



2

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 3A AT 100TH	SHEET 70	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026201-S3A.DWG
LAYOUT NAME - 0262010-s3a

PLOT DATE : 5/8/2024 5:23 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

TEMPORARY MARKING LINE
EPOXY 6-INCH (WHITE)

TEMPORARY MARKING LINE
EPOXY 6-INCH (YELLOW)

WO1-6
48"X24"

WO1-4BR

1000'

408'WBX'+67
END SHIFT

IH 94 WB

408'WBX'
410'WBX'
412'WBX'
414'WBX'
416'WBX'
418'WBX'
420'WBX'

408'EBM'
410'EBM'
412'EBM'
414'EBM'
416'EBM'
418'EBM'
420'EBM'

IH 94 EB

408'EBX'
410'EBX'
412'EBX'
414'EBX'
416'EBX'
418'EBX'
420'EBX'

418'EBX'+68
15.0' LT

MATCHLINE 407'EBX'+00

MATCHLINE 421'EBX'+50

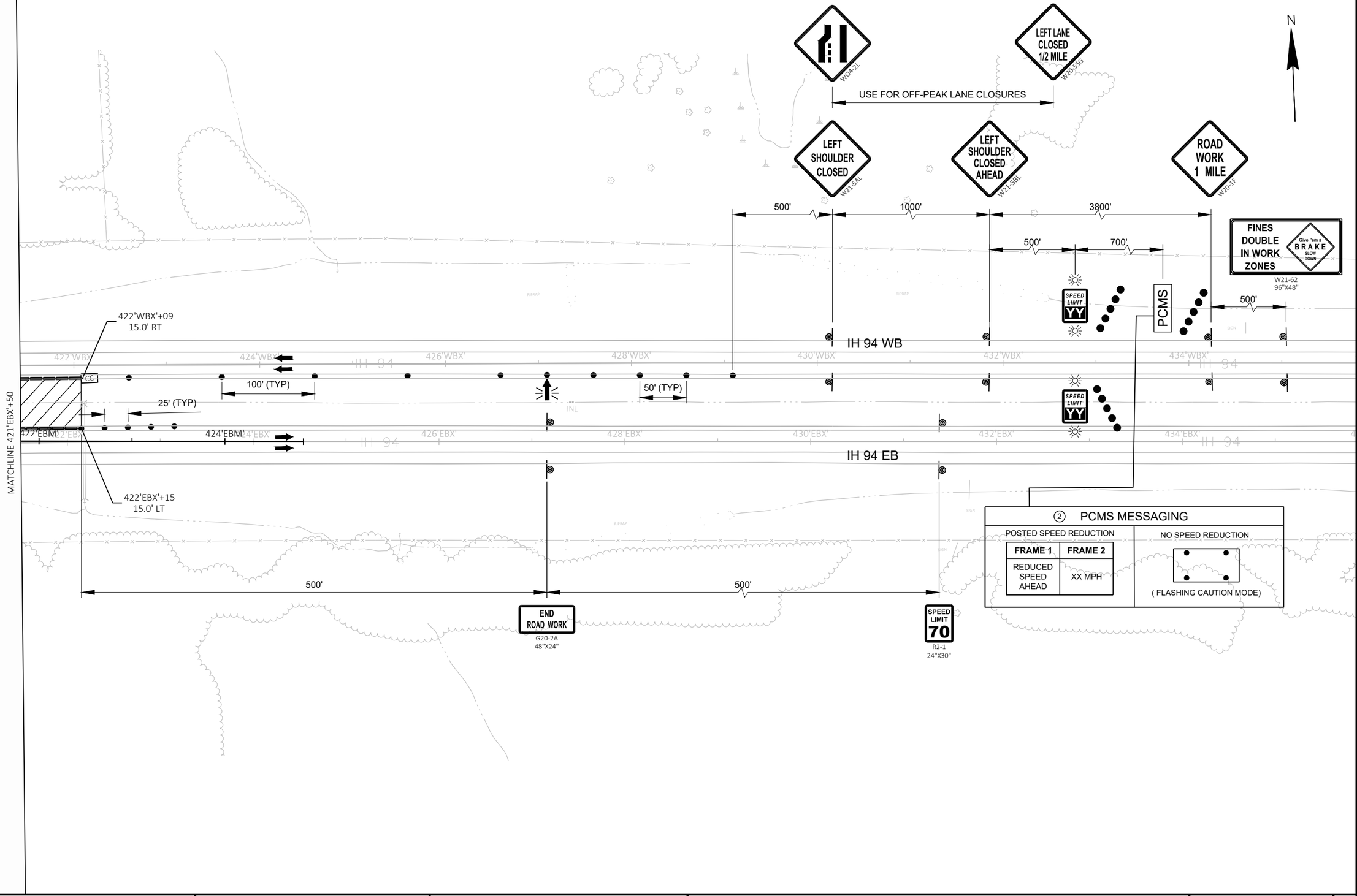
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 3A AT 100TH	SHEET 71	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026201-S3A.DWG
LAYOUT NAME - 026211-s3a

PLOT DATE : 5/8/2024 5:23 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 3A AT 100TH	SHEET 72	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026201-S3A.DWG
LAYOUT NAME - 026212-s3a

PLOT DATE : 5/8/2024 5:23 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

TOWN OF HUDSON

KINNEY ROAD

N

IH 94 WB
IH 94 EB

2

TOWN OF WARREN

100TH STREET/
TWIN LAKE ROAD

N

IH 94 WB
IH 94 EB

STATE WEIGHT ENFORCEMENT FACILITY

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL OVERVIEW - STAGE 3B	SHEET 73	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026250-S3B.DWG
LAYOUT NAME - 026200-S3B

PLOT DATE : 5/8/2024 5:24 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 44

2

N

SPEED LIMIT 70
R2-1
48"X60"

500'

END ROAD WORK
G20-2A
48"X24"

500'

256'EBM'+92
86.0' LT

TEMPORARY MARKING LINE EPOXY
6-INCH (YELLOW)

IH 94 WB

250'WBX'
252'WBX'
254'WBX'
256'WBX'
258'WBX'
260'WBX'
262'WBX'

IH 94 EB

250'EBX'
252'EBX'
254'EBX'
256'EBX'
258'EBX'
260'EBX'
262'EBX'

SPEED LIMIT YY

257'EBM'+75
BEGIN TEMPORARY RAISED PAVEMENT MARKERS

100' (TYP)
50' (TYP)
25' (TYP)

261'EBM'+09
15.7' LT

100' (TYP)
100' (TYP)
50' (TYP)

PCMS

SPEED LIMIT YY

258'EBM'+85
BEGIN SHIFT

TEMPORARY MARKING LINE EPOXY
6-INCH (WHITE)

MATCHLINE 263'EBX'+50

A
A
WO1-6
48"X24"

500'
3000'
700'

500'
4200'
1000'

FINES DOUBLE IN WORK ZONES
Give 'em a BRAKE SLOW DOWN
W21-62
96"X48"

ROAD WORK 1 MILE
W20-1F

WO1-4BL

② PCMS MESSAGING

POSTED SPEED REDUCTION	
FRAME 1	FRAME 2
REDUCED SPEED AHEAD	XX MPH

NO SPEED REDUCTION

(FLASHING CAUTION MODE)

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 3B AT KINNEY ROAD	SHEET 74	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026251-S3B.DWG
LAYOUT NAME - 026201-s3b

PLOT DATE : 5/8/2024 5:25 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

N

TEMPORARY MARKING LINE
EPOXY 6-INCH (YELLOW)

400'

W01-4BL

W01-6
48"X24"

TEMPORARY MARKING LINE
EPOXY 6-INCH (WHITE)

266'WB'+51
BEGIN SHIFT

268'WB'+00
END SHIFT

269'EBM'+00
END SHIFT

270'EBM'+00
END TEMPORARY RAISED PAVEMENT MARKERS

TEMPORARY MARKING LINE
EPOXY 6-INCH (WHITE)

TEMPORARY MARKING LINE EPOXY 6-INCH
(DASHED WHITE 12.5 FT LINE 37.5 SKIP)

IH 94 WB

264'WBX 266'WBX 268'WBX 270'WB' 270'WBX 272'WB' 272'WBX 274'WB' 274'WBX 276'WB' 276'WBX 278'WB'

50' (TYP)

25' (TYP)

MATCHLINE 263'EBX'+50

'EBM 266'EBM' 268'EBM' 270'EBM' 272'EBM' 274'EBM' 276'EBM' 278'EBM'

264'EBX 266'EBX 268'EBX 270'EBX 272'EBX 274'EBX 276'EBX

50' (TYP)

CC

IH 94 EB

MATCHLINE 278'EBX'+00

266'EBM'+27
15.0' RT

274'EBM'+76
19.3' RT
BEGIN TEMPORARY SHORING

A A

W01-6
48"X24"

TEMPORARY MARKING LINE
EPOXY 6-INCH (WHITE)

A A

ROAD
CLOSED

R11-2
48"X30"

TEMPORARY MARKING LINE
EPOXY 6-INCH (WHITE)

PLACE TEMP SHORING
SOUTH OF PROPOSED INLET

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 3B AT KINNEY ROAD	SHEET 75	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026251-S3B.DWG
LAYOUT NAME - 026202-s3b

PLOT DATE : 5/8/2024 5:25 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

KINNEY ROAD

TEMPORARY MARKING LINE
EPOXY 6-INCH (YELLOW)

TEMPORARY MARKING LINE
EPOXY 6-INCH (WHITE)

TEMPORARY MARKING LINE EPOXY 6-INCH
(DASHED WHITE 12.5 FT LINE 37.5 SKIP)

TEMPORARY STRUCTURE

IH 94 WB

280'WB' 282'WB' 284'WB' 286'WB' 288'WB' 290'WB' 292'WB'

280'EBM' 282'EBM' 284'EBM' 286'EBM' 288'EBM' 290'EBM' 292'EBM'

MATCHLINE 278'EBX'+00

MATCHLINE 292'EBX'+50

281'EBM'+56
16.5' RT
END TEMPORARY SHORING

SEE SDD 15D28 TRAFFIC CONTROL, WORK
ON SHOULDER OR PARKING LANE,
UNDIVIDED ROADWAY FOR SIGN AND TRAFFIC
CONTROL DRUM PLACEMENT

TEMPORARY MARKING LINE
EPOXY 6-INCH (YELLOW)

TEMPORARY MARKING LINE
EPOXY 6-INCH (WHITE)

TEMPORARY MARKING LINE EPOXY 6-INCH
(DASHED WHITE 12.5 FT LINE 37.5 SKIP)

400'

W01-4BL

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 3B AT KINNEY ROAD	SHEET 76	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026251-S3B.DWG
LAYOUT NAME - 026203-s3b

PLOT DATE : 5/8/2024 5:26 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

TEMPORARY MARKING LINE
EPOXY 6-INCH (YELLOW)

TEMPORARY MARKING LINE EPOXY 6-INCH
(DASHED WHITE 12.5 FT LINE 37.5 SKIP)

294'WB'+00
BEGIN SHIFT

294'EBM'+25
BEGIN TEMPORARY RAISED PAVEMENT MARKERS

TEMPORARY MARKING LINE
EPOXY 6-INCH (WHITE)

1000'

WO1-4BR

WO1-6
48"X24"

295'WBX'+71
END SHIFT

A

A

WO1-6
48"X24"

TEMPORARY MARKING LINE
EPOXY 6-INCH (YELLOW)

294'WBX'
296'WBX'
298'WBX'
300'WBX'
302'WBX'
304'WBX'
306'WBX'

IH 94 WB

IH 94

294'EBM'
296'EBM'
298'EBM'
300'EBM'
302'EBM'
304'EBM'
306'EBM'

304'EBM'+29
15.0' LT

50' (TYP)

IH 94 EB

50' (TYP)

25' (TYP)

MATCHLINE 292'EBX'+50

294'EBX'
296'EBX'
298'EBX'
304'EBX'
306'EBX'

295'EBM'+25
BEGIN SHIFT

297'EBM'+36
15.0' RT

400'

TEMPORARY MARKING LINE
EPOXY 6-INCH (WHITE)

306'EBM'+75
END SHIFT

500'

MATCHLINE 307'EBX'+00

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 3B AT KINNEY ROAD	SHEET 77	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026251-S3B.DWG
LAYOUT NAME - 026204-s3b
PLOT DATE : 5/10/2024 10:15 AM
PLOT BY : WAGNER, NOLAN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

2

N

MATCHLINE 307'EBX'+00

TEMPORARY MARKING LINE
EPOXY 6-INCH (YELLOW)

TEMPORARY MARKING LINE
EPOXY 6-INCH (WHITE)

311'WBX'+01
15.240 RT

307'EBM'+75
END TEMPORARY RAISED PAVEMENT MARKERS

TEMPORARY MARKING LINE
EPOXY 6-INCH (WHITE)

308'EBM'

IH 94 WB

IH 94 EB

100' (TYP)

100' (TYP)

50' (TYP)

500'

500'

LEFT SHOULDER CLOSED
W21-5AL

LEFT SHOULDER CLOSED AHEAD
W21-5BL

ROAD WORK 1 MILE
W20-1F

500'

1000'

3800'

500'

700'

SPEED LIMIT YY

PCMS

SPEED LIMIT YY

END ROAD WORK
G20-2A
48"X24"

SPEED LIMIT 70
R2-1
48"X60"

② PCMS MESSAGING

POSTED SPEED REDUCTION	
FRAME 1	FRAME 2
REDUCED SPEED AHEAD	XX MPH

NO SPEED REDUCTION

(FLASHING CAUTION MODE)

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 3B AT KINNEY ROAD	SHEET 78	E

5

5

N

342'WBX'
344'WBX'
346'WBX'
348'WBX'
350'WBX'
352'WBX'
354'WBX'
356'WBX'
IH 94
INL

342'EBX'
344'EBX'
346'EBX'
348'EBX'
350'EBX'
352'EBX'
354'EBX'
IH 94
INL

TEMPORARY MARKING LINE EPOXY 6-INCH
(ACROSS THE RAMP OPENING)

25'
100'
200'

COVER EXISTING WEIGH
STATION CMS SIGN

1500'
1500'
1000'
5280'

ROAD WORK AHEAD
W20-1A

RAMP CLOSED AHEAD
W20-53A

RAMP CLOSED 1000 FT
W20-53C

R11-2R
48" X 30"
RAMP CLOSED
TYPE III BARRICADE

COVER EXISTING
WEIGH STATION SIGN

WEIGH STATION

E5-58
90"X72"

RAMP CLOSED
BEGINNING
XXX-XX

G20-58
90"X48"

E5-56A
ESTR

WEIGH
STATION
CLOSED

G20-60

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 3B AT SWEF	SHEET 79	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026251-S3B.DWG
LAYOUT NAME - 026206b-s3

PLOT DATE : 5/8/2024 5:26 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

N

SPEED LIMIT 70
R2-1
48"X60"

500'

END ROAD WORK
G20-2A
48"X24"

500'

364'WBX'
366'WBX'
368'WBX'
370'WBX'
372'WBX'
374'WBX'
376'WBX'

IH 94 WB

372'EBM'+90
15.0' LT

374'EBM'+92
15.0' LT

TEMPORARY MARKING LINE
EPOXY 6-INCH (YELLOW)

100' (TYP)
100' (TYP)
50' (TYP)

376'EBM'
378'EBM'

364'EBX'
366'EBX'
368'EBX'
370'EBX'
372'EBX'
374'EBX'
376'EBX'

IH 94 EB

50' (TYP)
25' (TYP)

MATCHLINE 378'EBX'+00

A
A

WO1-6
48"X24"

BEGIN TEMPORARY
RAISED PAVEMENT
MARKERS

374'EBM'+00
BEGIN SHIFT

TEMPORARY MARKING LINE
EPOXY 6-INCH (WHITE)

SPEED LIMIT YY

PCMS

SPEED LIMIT YY

3000'
700'
500'
4200'
1000'

ROAD WORK 1 MILE
W20-1S

WO1-4BL

STATE WEIGHT ENFORCEMENT FACILITY

INL

② PCMS MESSAGING

POSTED SPEED REDUCTION		NO SPEED REDUCTION
FRAME 1	FRAME 2	
REDUCED SPEED AHEAD	XX MPH	(FLASHING CAUTION MODE)

NOTE:
SWEF WILL BE CLOSED DURING STAGE 3B.

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 3B AT 100TH STREET	SHEET 80	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026251-S3B.DWG
LAYOUT NAME - 026206-s3b

PLOT DATE : 5/10/2024 10:17 AM PLOT BY : WAGNER, NOLAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

N

WO1-48L

400'

WO1-6
48"X24"

TEMPORARY MARKING LINE EPOXY 6-INCH
(DASHED WHITE 12.5 FT LINE 37.5 SKIP)

TEMPORARY MARKING LINE
EPOXY 6-INCH (YELLOW)

TEMPORARY MARKING LINE
EPOXY 6-INCH (WHITE)

388'WB'+00
END SHIFT

385'WBX'+47
BEGIN SHIFT

IH 94 WB

388'WB'

390'WB'

392'WB'

384'EBM'+82
15.0' LT

385'EBM'+82
END TEMPORARY RAISED PAVEMENT MARKERS

TEMPORARY MARKING LINE
EPOXY 6-INCH (YELLOW)

50' (TYP)

380'EBM'

382'EBM'

384'EBM'

386'EBM'

388'EBM'

390'EBM'

392'EBM'

25' (TYP)

MATCHLINE 378'EBX'+00

MATCHLINE 392'EBX'+50

378'EBM'+99
15.0' RT

IH 94 EB

384'EBM'+82
END SHIFT

TEMPORARY MARKING LINE
EPOXY 6-INCH (WHITE)

A

A

WO1-6
48"X24"

TEMPORARY MARKING LINE EPOXY 6-INCH
(DASHED WHITE 12.5 FT LINE 37.5 SKIP)

A

ROAD
CLOSED

A

R11-2
48"X30"

POST

POST

POST

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 3B AT 100TH STREET	SHEET 81	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026251-S3B.DWG
LAYOUT NAME - 026207-s3b

PLOT DATE : 5/8/2024 5:27 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

IH 94 WB

394'WB' 396'WB' 398'WB' 400'WB' 402'WB' 404'WB' 406'WB'

394'EBM' 396'EBM' 398'EBM' 400'EBM' 402'EBM' 404'EBM' 406'EBM'

MATCHLINE 392'EBX'+50

MATCHLINE 407'EBX'+00

TEMPORARY STRUCTURE

TEMPORARY MARKING LINE
EPOXY 6-INCH (YELLOW)

TEMPORARY MARKING LINE EPOXY 6-INCH
(DASHED WHITE 12.5 FT LINE 37.5 SKIP)

TEMPORARY MARKING LINE
EPOXY 6-INCH (WHITE)

406'WB'+00
BEGIN SHIFT

25' (TYP)

SEE SDD 15D28 TRAFFIC CONTROL, WORK
ON SHOULDER OR PARKING LANE,
UNDIVIDED ROADWAY FOR SIGN
AND TRAFFIC CONTROL DRUM PLACEMENT

100TH STREET

TEMPORARY MARKING LINE
EPOXY 6-INCH (YELLOW)

TEMPORARY MARKING LINE EPOXY 6-INCH
(DASHED WHITE 12.5 FT LINE 37.5 SKIP)

TEMPORARY MARKING LINE
EPOXY 6-INCH (WHITE)

405'EBM'+77
BEGIN TEMPORARY RAISED PAVEMENT MARKERS

406'EBM'+77
BEGIN SHIFT

400'

TEMPORARY MARKING LINE
EPOXY 6-INCH (WHITE)

W01-4BR

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 3B AT 100TH STREET	SHEET 82	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026251-S3B.DWG
LAYOUT NAME - 026208-s3b

PLOT DATE : 5/8/2024 5:27 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

TEMPORARY MARKING LINE
EPOXY 6-INCH (YELLOW)

TEMPORARY MARKING LINE
EPOXY 6-INCH (WHITE)

WO1-6
48"X24"

1000'

WO1-4BR

N

408'WBX'+67
END SHIFT

A A

WO1-6
48"X24"

IH 94 WB

TEMPORARY MARKING LINE
EPOXY 6-INCH (YELLOW)

408'EBM'

410'EBM'

412'EBM'

414'EBM'

416'EBM'

418'EBM'

420'EBM'

50' (TYP)

419'EBM'+72
-15.0' LT

25' (TYP)

IH 94 EB

50' (TYP)

410'EBM'+35
15.0' RT

TEMPORARY MARKING LINE
EPOXY 6-INCH (WHITE)

MATCHLINE 407'EBX'+00

MATCHLINE 421'EBX'+00

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 3B AT 100TH STREET	SHEET 83	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026251-S3B.DWG
LAYOUT NAME - 026209-s3b

PLOT DATE : 5/8/2024 5:27 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

N

W04-2L

LEFT LANE CLOSED 1/2 MILE
W20-5SG

USE FOR OFF-PEAK LANE CLOSURES

LEFT SHOULDER CLOSED
W21-54L

LEFT SHOULDER CLOSED AHEAD
W21-58L

ROAD WORK 1 MILE
W20-1F

FINES DOUBLE IN WORK ZONES
Give 'em a BRAKE SLOW DOWN!
W21-62
96"X48"

500' 1000' 3800' 500'

500' 700'

SPEED LIMIT YY

PCMS

422'WBX'+09
15.0' RT

IH 94 WB

422'WBX' 424'WBX' 426'WBX' 428'WBX' 430'WBX' 432'WBX' 434'WBX' 436'WBX'

100' (TYP) 50' (TYP)

TEMPORARY MARKING LINE
EPOXY 6-INCH (YELLOW)

100' (TYP) 100' (TYP)

422'EBM' 424'EBM'

422'EBX' 424'EBX' 426'EBX' 428'EBX' 430'EBX' 432'EBX' 434'EBX' 436'EBX'

IH 94 EB

25' (TYP) 50' (TYP)

424'EBM'+05
END TEMPORARY RAISED PAVEMENT MARKERS

423'EBM'+05
END SHIFT

MATCHLINE 421'EBX'+00

TEMPORARY MARKING LINE
EPOXY 6-INCH (WHITE)

500' 500'

END ROAD WORK
G20-2A
48"X24"

SPEED LIMIT 70
R2-1
48"X60"

② PCMS MESSAGING

POSTED SPEED REDUCTION	
FRAME 1	FRAME 2
REDUCED SPEED AHEAD	XX MPH

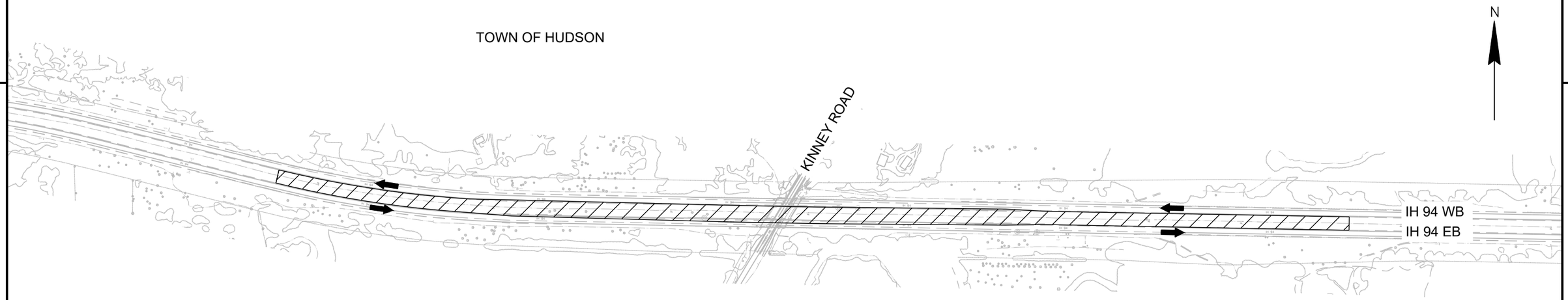
NO SPEED REDUCTION

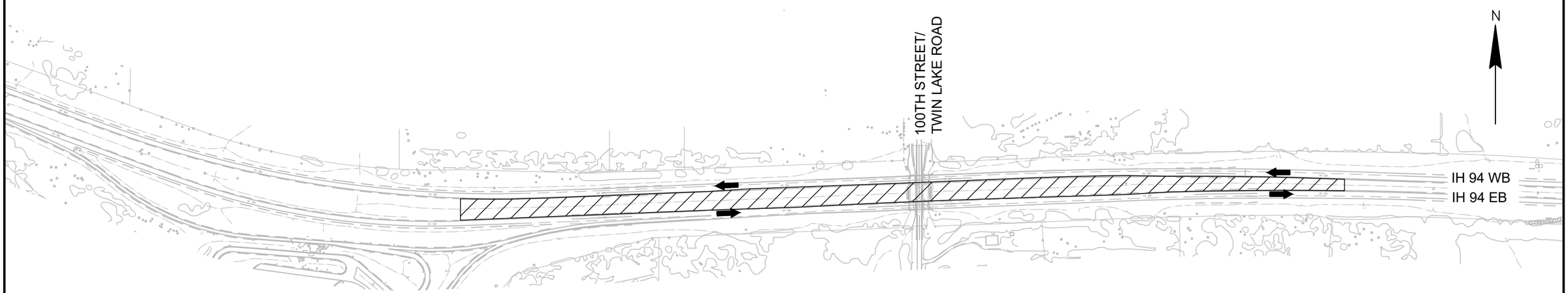
(FLASHING CAUTION MODE)

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 3B AT 100TH STREET	SHEET 84	E

2

TOWN OF HUDSON





STATE WEIGHT ENFORCEMENT FACILITY

2

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL OVERVIEW - STAGE 4	SHEET 85	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026300-S4.DWG
LAYOUT NAME - 026300-S4

PLOT DATE : 5/8/2024 5:29 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 44

2

N

IH 94 WB

IH 94 EB

236'WBX 238'WBX 240'WBX 242'WBX 244'WBX 246'WBX 248'WBX

236'EBX 238'EBX 240'EBX 242'EBX 244'EBX 246'EBX 248'EBX

INL

SPEED LIMIT YY

PCMS

MATCHLINE 249'EBX+50

700' 500' 500' 3800' 1000' 500'

FINES DOUBLE IN WORK ZONES
Give 'em a BRAKE SLOW DOWN
W21-62
96"X48"

ROAD WORK 1 MILE
W20-1F

LEFT SHOULDER CLOSED AHEAD
W21-58L

LEFT SHOULDER CLOSED
W21-54L

LEFT LANE CLOSED 1/2 MILE
W20-55G

W04-2L

USE FOR OFF-PEAK LANE CLOSURES

② PCMS MESSAGING

POSTED SPEED REDUCTION

FRAME 1	FRAME 2
REDUCED SPEED AHEAD	XX MPH

NO SPEED REDUCTION

(FLASHING CAUTION MODE)

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 4 AT KINNEY ROAD	SHEET 86	E

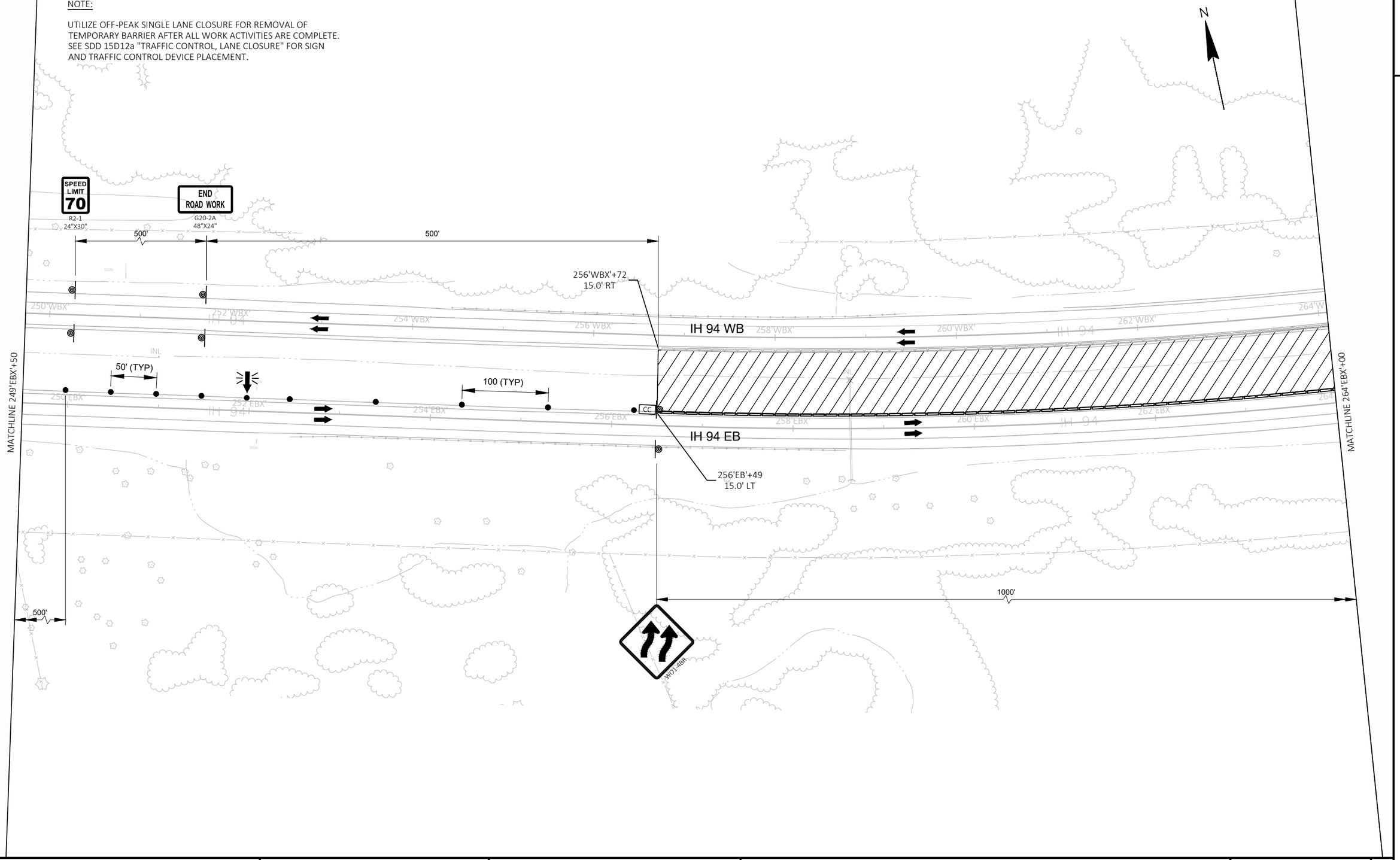
FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026301-S4.DWG
LAYOUT NAME - 026301-s4

PLOT DATE : 5/8/2024 5:29 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

NOTE:

UTILIZE OFF-PEAK SINGLE LANE CLOSURE FOR REMOVAL OF TEMPORARY BARRIER AFTER ALL WORK ACTIVITIES ARE COMPLETE. SEE SDD 15D12a "TRAFFIC CONTROL, LANE CLOSURE" FOR SIGN AND TRAFFIC CONTROL DEVICE PLACEMENT.



PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 4 AT KINNEY ROAD	SHEET 87	E

NOTE:

UTILIZE OFF-PEAK SINGLE LANE CLOSURE FOR REMOVAL OF TEMPORARY BARRIER AFTER ALL WORK ACTIVITIES ARE COMPLETE. SEE SDD 15D12a "TRAFFIC CONTROL, LANE CLOSURE" FOR SIGN AND TRAFFIC CONTROL DEVICE PLACEMENT.

N

WO1-4BL

400'

WO1-6
48"X24"

TEMPORARY MARKING LINE
EPOXY 6-INCH (WHITE)

266'WB'+51
BEGIN SHIFT

268'WB'+00
END SHIFT

TEMPORARY MARKING LINE
EPOXY 6-INCH (YELLOW)

TEMPORARY MARKING LINE
EPOXY 6-INCH (WHITE)

TEMPORARY MARKING LINE EPOXY 6-INCH
(DASHED WHITE 12.5 FT LINE 37.5 SKIP)

IH 94 WB

266'WBX' 268'WBX' 270'WB' 272'WB' 274'WB' 276'WB' 278'WB'

MATCHLINE 264'EBX'+00

IH 94 EB

266'EBX 268'EBX 270'EB 272'EB 274'EB 276'EB 278'EB

50' (TYP)

266'EBX'+49
BEGIN SHIFT

WO1-6
48"X24"

269'EB'+00
END SHIFT

TEMPORARY MARKING LINE
EPOXY 6-INCH (YELLOW)

TEMPORARY MARKING LINE
EPOXY 6-INCH (WHITE)

TEMPORARY MARKING LINE EPOXY 6-INCH
(DASHED WHITE 12.5 FT LINE 37.5 SKIP)

1000'

TEMPORARY MARKING LINE
EPOXY 6-INCH (WHITE)

MATCHLINE 278'EBX'+00

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 4 AT KINNEY ROAD	SHEET 88	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026301-S4.DWG
LAYOUT NAME - 026303-s4

PLOT DATE : 5/8/2024 5:30 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

NOTE:

UTILIZE OFF-PEAK SINGLE LANE CLOSURE FOR REMOVAL OF TEMPORARY BARRIER AFTER ALL WORK ACTIVITIES ARE COMPLETE. SEE SDD 15D12a "TRAFFIC CONTROL, LANE CLOSURE" FOR SIGN AND TRAFFIC CONTROL DEVICE PLACEMENT.

TEMPORARY MARKING LINE EPOXY 6-INCH (DASHED WHITE 12.5 FT LINE 37.5 SKIP)

N

TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)

KINNEY ROAD

SEE SDD 15D28 TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN AND TRAFFIC CONTROL DRUM PLACEMENT

TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)

IH 94 WB

280'WB' 282'WB' 284'WB' 286'WB' 288'WB' 290'WB' 292'WB'

IH 94 EB

280'EB' 282'EB' 284'EB' 286'EB' 290'EB' 292'EB'

MATCHLINE 278'EBX'+00

MATCHLINE 292'EBX'+50

400'

W01-4BL

TEMPORARY MARKING LINE EPOXY 6-INCH (DASHED WHITE 12.5 FT LINE 37.5 SKIP)

TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)

TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 4 AT KINNEY ROAD	SHEET 89	E

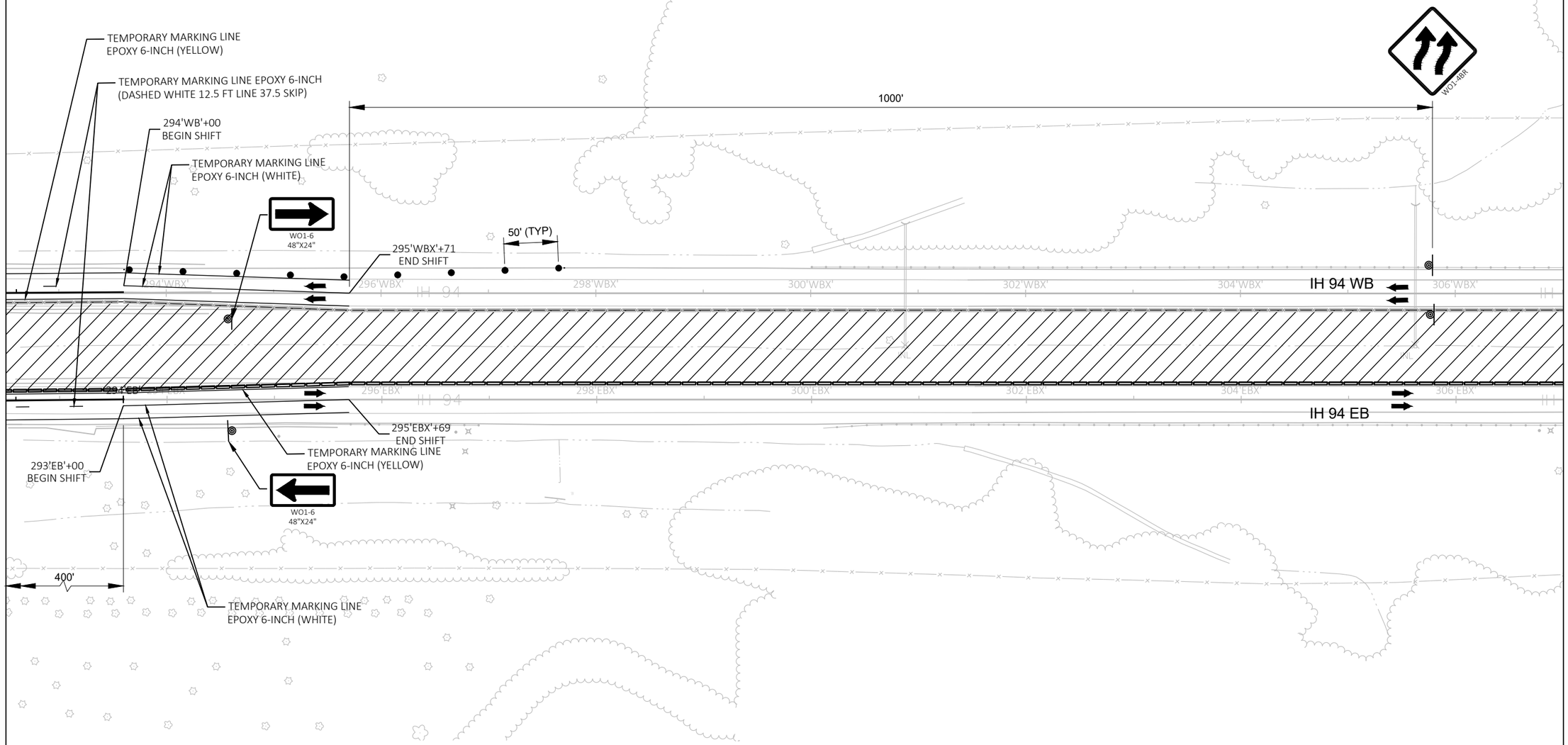
FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026301-S4.DWG
LAYOUT NAME - 026304-s4

PLOT DATE : 5/8/2024 5:30 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

NOTE:

UTILIZE OFF-PEAK SINGLE LANE CLOSURE FOR REMOVAL OF TEMPORARY BARRIER AFTER ALL WORK ACTIVITIES ARE COMPLETE. SEE SDD 15D12a "TRAFFIC CONTROL, LANE CLOSURE" FOR SIGN AND TRAFFIC CONTROL DEVICE PLACEMENT.

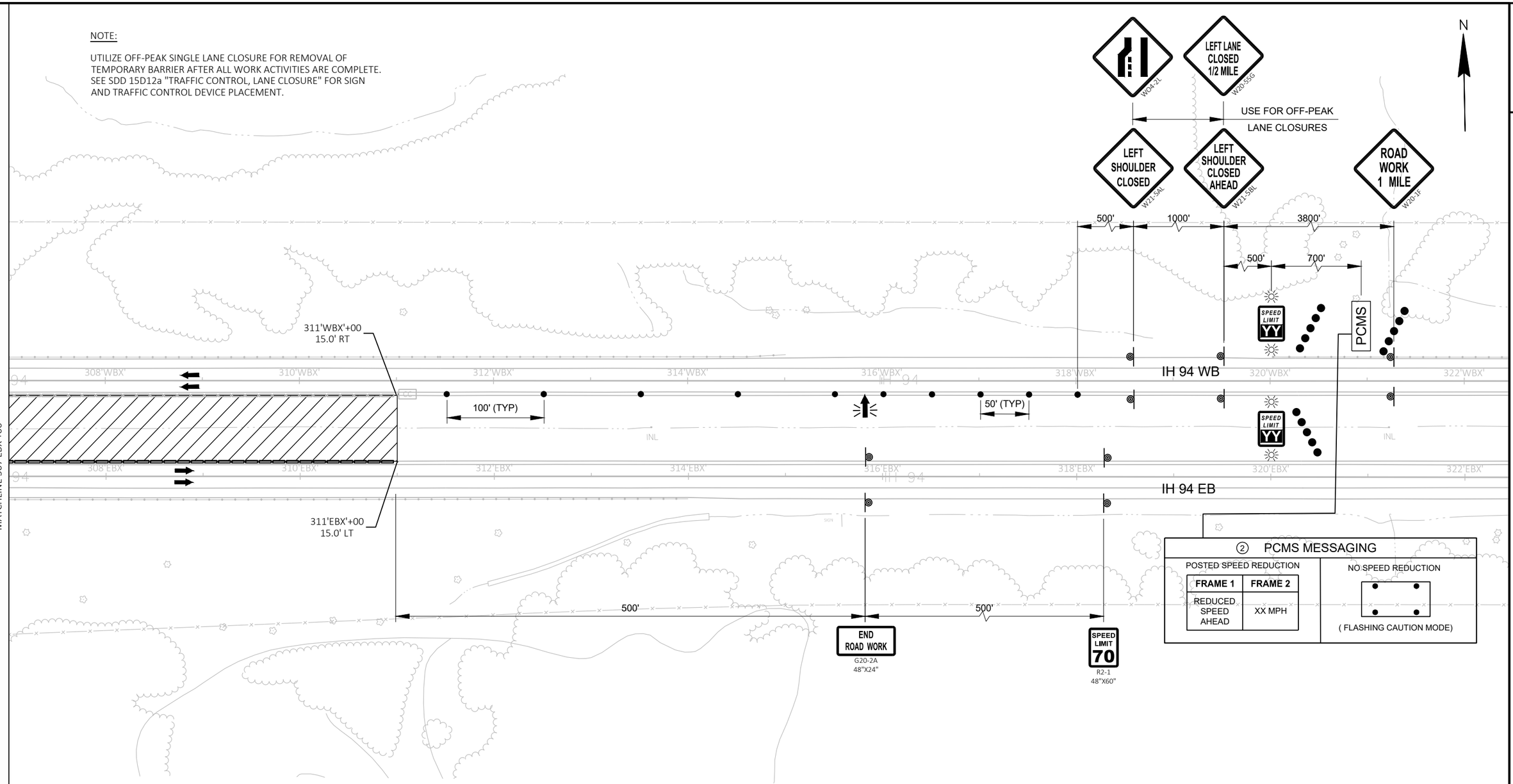


2

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 4 AT KINNEY ROAD	SHEET 90	E

NOTE:

UTILIZE OFF-PEAK SINGLE LANE CLOSURE FOR REMOVAL OF TEMPORARY BARRIER AFTER ALL WORK ACTIVITIES ARE COMPLETE. SEE SDD 15D12a "TRAFFIC CONTROL, LANE CLOSURE" FOR SIGN AND TRAFFIC CONTROL DEVICE PLACEMENT.



PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 4 AT KINNEY ROAD	SHEET 91	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026301-S4.DWG
LAYOUT NAME - 026306-s4
PLOT DATE : 5/8/2024 5:30 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

N

IH 94 WB

IH 94 EB

MATCHLINE 350'EBX'+00

MATCHLINE 363'EBX'+50

352'WBX' 354'WBX' 356'WBX' 358'WBX' 360'WBX' 362'WBX'

352'EBX' 354'EBX' 356'EBX' 358'EBX' 360'EBX' 362'EBX'

IH 94

SPEED LIMIT YY

PCMS

700'

500'

3800'

1000'

ROAD WORK 1 MILE W20-1F

LEFT SHOULDER CLOSED AHEAD W21-5BL

LEFT LANE CLOSED 1/2 MILE W20-5SG

STATE WEIGHT ENFORCEMENT FACILITY

USE FOR OFF-PEAK LANE CLOSURES

② PCMS MESSAGING

POSTED SPEED REDUCTION

FRAME 1	FRAME 2
REDUCED SPEED AHEAD	XX MPH

NO SPEED REDUCTION

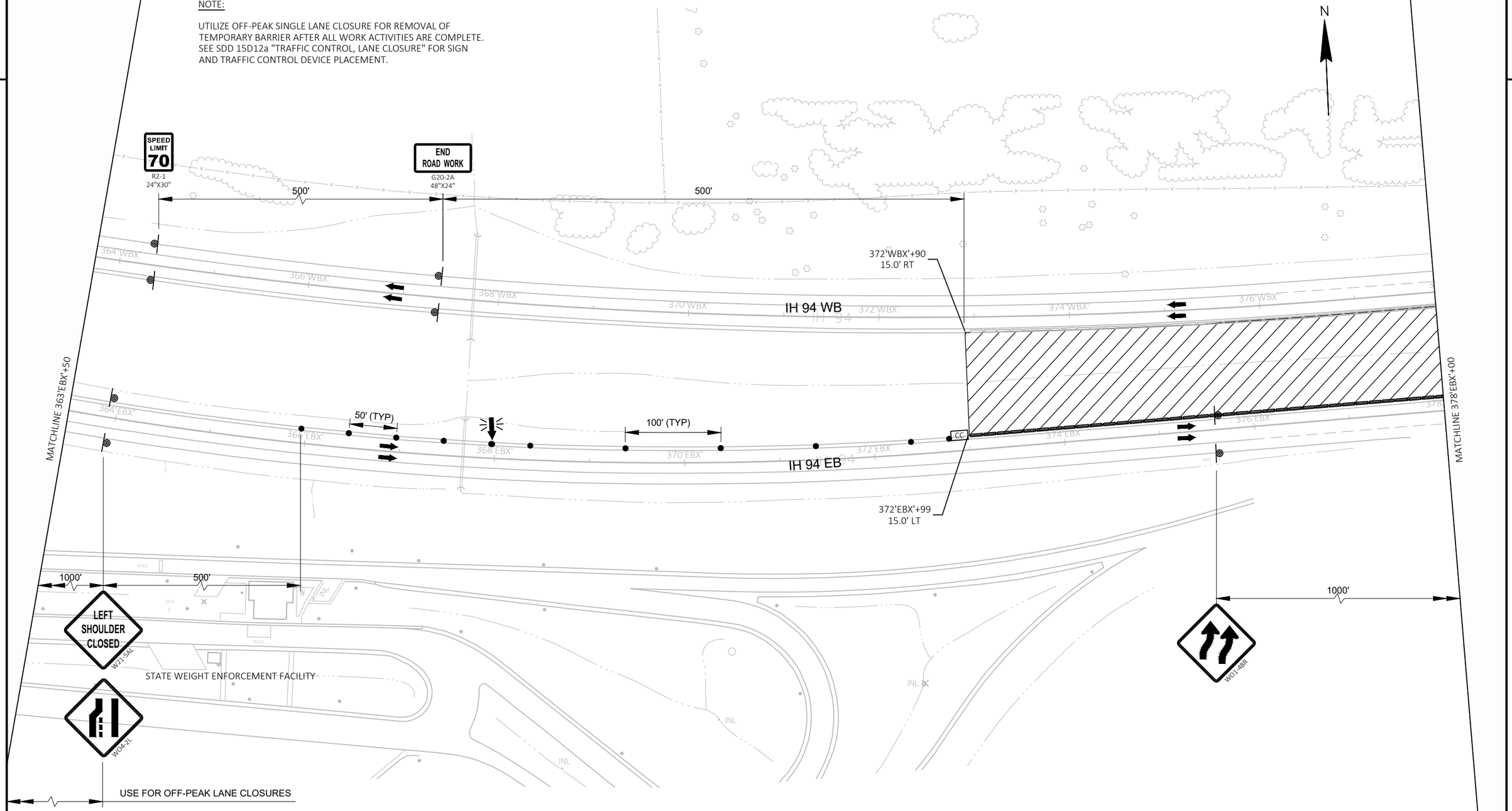
(FLASHING CAUTION MODE)

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 4 AT 100TH STREET	SHEET 92	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026301-S4.DWG
LAYOUT NAME - 026307b-s4
PLOT DATE : 5/8/2024 5:31 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

NOTE:

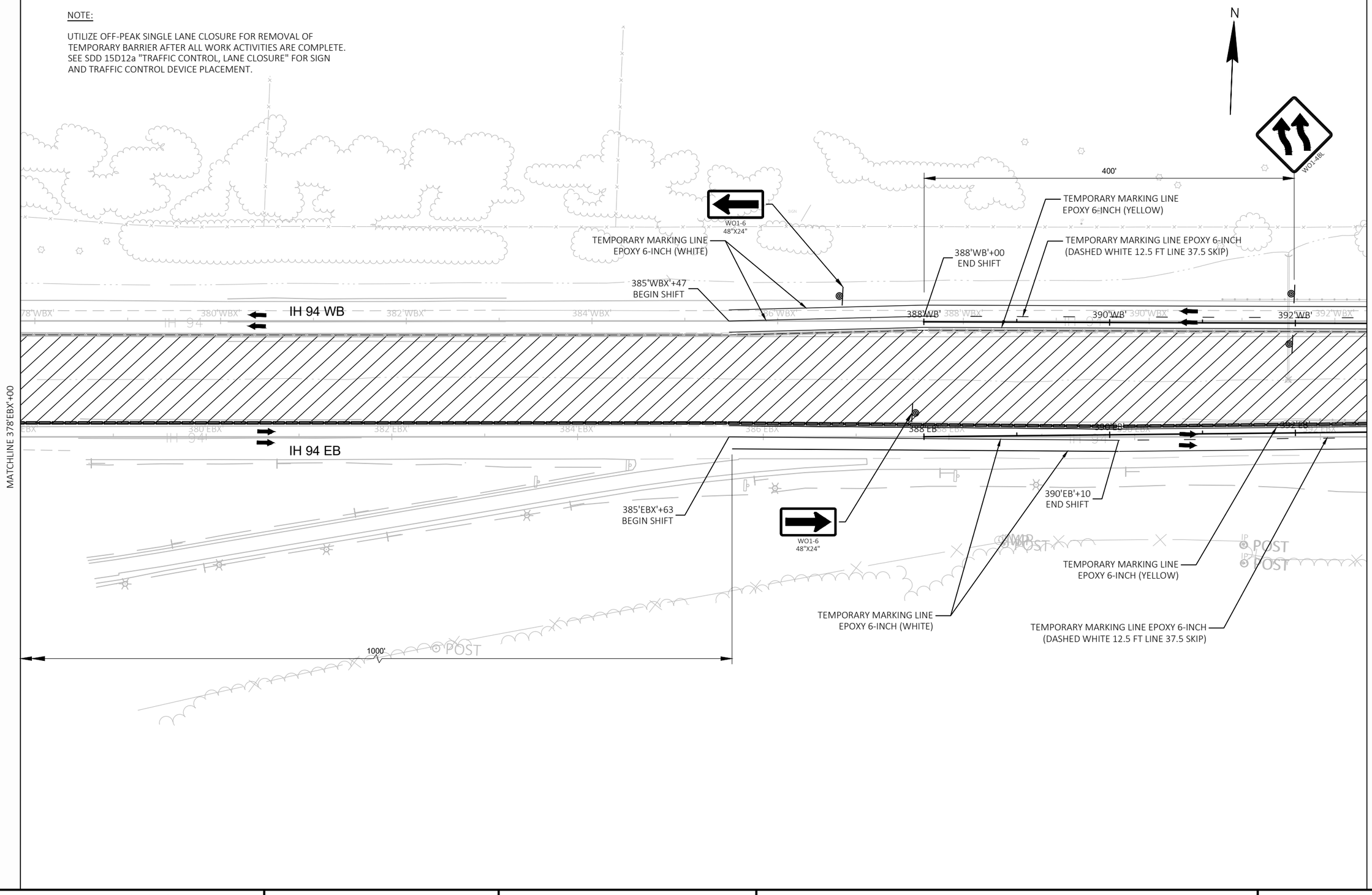
UTILIZE OFF-PEAK SINGLE LANE CLOSURE FOR REMOVAL OF TEMPORARY BARRIER AFTER ALL WORK ACTIVITIES ARE COMPLETE. SEE SDD 15D12a "TRAFFIC CONTROL, LANE CLOSURE" FOR SIGN AND TRAFFIC CONTROL DEVICE PLACEMENT.



PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 4 AT 100TH STREET	SHEET 93	E

NOTE:

UTILIZE OFF-PEAK SINGLE LANE CLOSURE FOR REMOVAL OF TEMPORARY BARRIER AFTER ALL WORK ACTIVITIES ARE COMPLETE. SEE SDD 15D12a "TRAFFIC CONTROL, LANE CLOSURE" FOR SIGN AND TRAFFIC CONTROL DEVICE PLACEMENT.



PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 4 AT 100TH STREET	SHEET 94	E

NOTE:

UTILIZE OFF-PEAK SINGLE LANE CLOSURE FOR REMOVAL OF TEMPORARY BARRIER AFTER ALL WORK ACTIVITIES ARE COMPLETE. SEE SDD 15D12a "TRAFFIC CONTROL, LANE CLOSURE" FOR SIGN AND TRAFFIC CONTROL DEVICE PLACEMENT.

N

TEMPORARY MARKING LINE EPOXY 6-INCH (DASHED WHITE 12.5 FT LINE 37.5 SKIP)

TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)

TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)

TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)

406'WB'+00 BEGIN SHIFT

394'WB' 396'WB' 398'WB' 400'WB' 402'WB' 404'WB' 406'WB'

IH 94 WB

MATCHLINE 392'EBX'+50

394'EB' 396'EB' 398'EB' 400'EB' 402'EB' 404'EB' 406'EB'

IH 94 EB

TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)

406'EB'+94 BEGIN SHIFT

400'

MATCHLINE 407'EBX'+25

TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)

100TH STREET

TEMPORARY MARKING LINE EPOXY 6-INCH (DASHED WHITE 12.5 FT LINE 37.5 SKIP)

W01-4BL

SEE SDD 15D28 TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN AND TRAFFIC CONTROL DRUM PLACEMENT

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 4 AT 100TH STREET	SHEET 95 E

NOTE:

UTILIZE OFF-PEAK SINGLE LANE CLOSURE FOR REMOVAL OF TEMPORARY BARRIER AFTER ALL WORK ACTIVITIES ARE COMPLETE. SEE SDD 15D12a "TRAFFIC CONTROL, LANE CLOSURE" FOR SIGN AND TRAFFIC CONTROL DEVICE PLACEMENT.

N

TEMPORARY MARKING LINE
EPOXY 6-INCH (WHITE)

TEMPORARY MARKING LINE
EPOXY 6-INCH (YELLOW)

W01-6
48"X24"

1000'

408'WBX'+67
END SHIFT

50' (TYP)

W01-4BR

IH 94 WB

IH 94 EB

MATCHLINE 407'EBX'+25

408'EBX'+83
END SHIFT

417'EBX'+67
15.0' LT

MATCHLINE 421'EBX'+50

TEMPORARY MARKING LINE
EPOXY 6-INCH (WHITE)

TEMPORARY MARKING LINE
EPOXY 6-INCH (YELLOW)

W01-6
48"X24"

500'

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 4 AT 100TH STREET	SHEET 96	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026301-S4.DWG
LAYOUT NAME - 026311-s4
PLOT DATE : 5/8/2024 5:32 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

NOTE:

UTILIZE OFF-PEAK SINGLE LANE CLOSURE FOR REMOVAL OF TEMPORARY BARRIER AFTER ALL WORK ACTIVITIES ARE COMPLETE. SEE SDD 15D12a "TRAFFIC CONTROL, LANE CLOSURE" FOR SIGN AND TRAFFIC CONTROL DEVICE PLACEMENT.

N

MATCHLINE 421'EBX'+50

422'WBX'+09
15.0' RT

422'WBX' 424'WBX' 426'WBX' 428'WBX' 430'WBX' 432'WBX' 434'WBX'

422'EBX' 424'EBX' 426'EBX' 428'EBX' 430'EBX' 432'EBX' 434'EBX'

I-94

INL

RIPRAP

100' (TYP)

50' (TYP)

500'

500'

END ROAD WORK
G20-2A
48"X24"

SPEED LIMIT 70
R2-1
48"X60"

W04-2L

LEFT LANE CLOSED 1/2 MILE
W20-5SG

USE FOR OFF-PEAK LANE CLOSURES

FINES DOUBLE IN WORK ZONES
Give 'em a BRAKE SLOW DOWN
W21-62
96"X48"

LEFT SHOULDER CLOSED
W21-5AL

LEFT SHOULDER CLOSED AHEAD
W21-5BL

ROAD WORK 1 MILE
W20-1F

500' 1000' 3800' 500'

500' 700'

SPEED LIMIT YY

PCMS

SPEED LIMIT YY

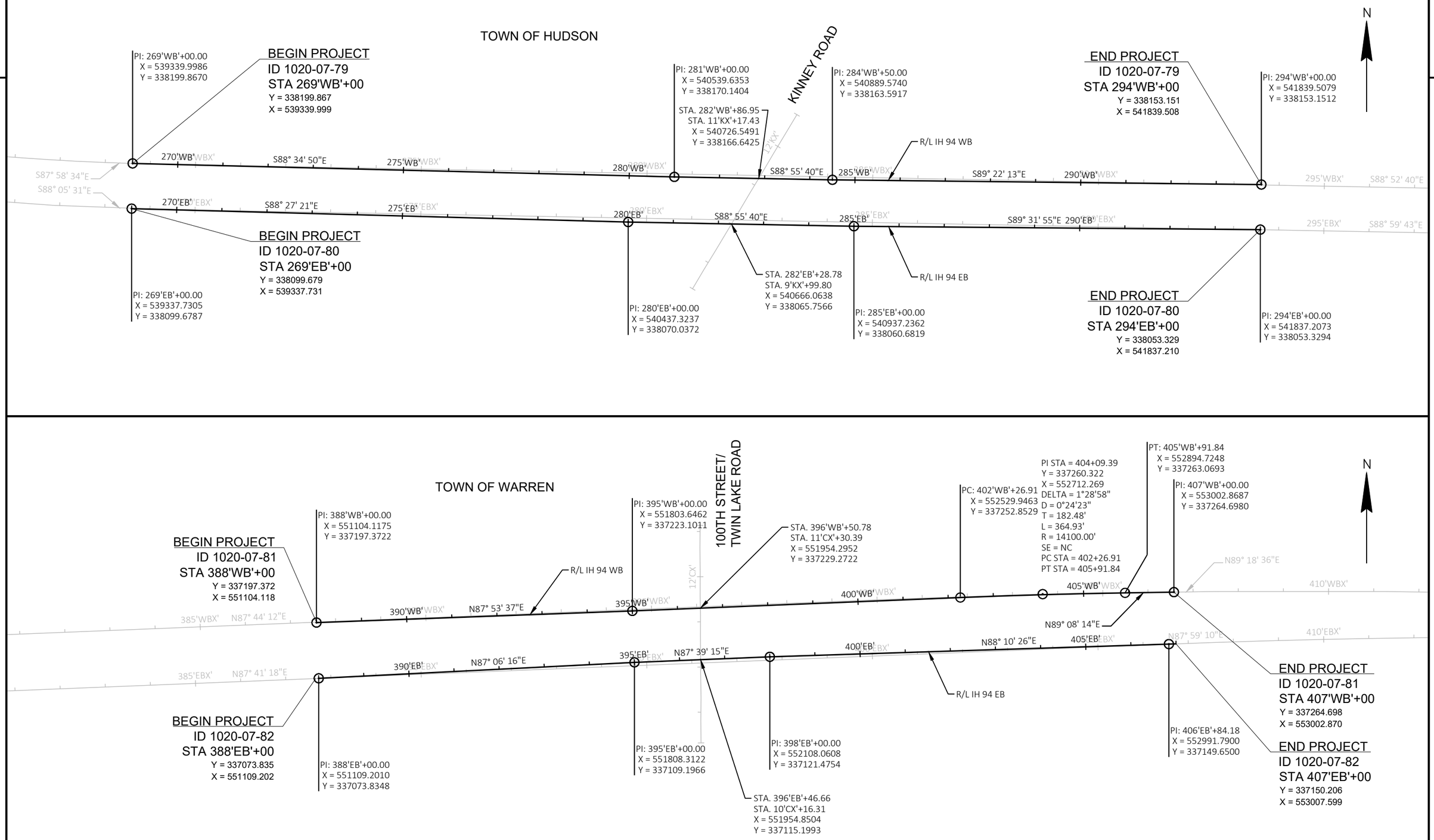
② PCMS MESSAGING

POSTED SPEED REDUCTION		NO SPEED REDUCTION
FRAME 1	FRAME 2	
REDUCED SPEED AHEAD	XX MPH	(FLASHING CAUTION MODE)

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 4 AT 100TH STREET	SHEET 97	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\026301-S4.DWG
LAYOUT NAME - 026312-s4

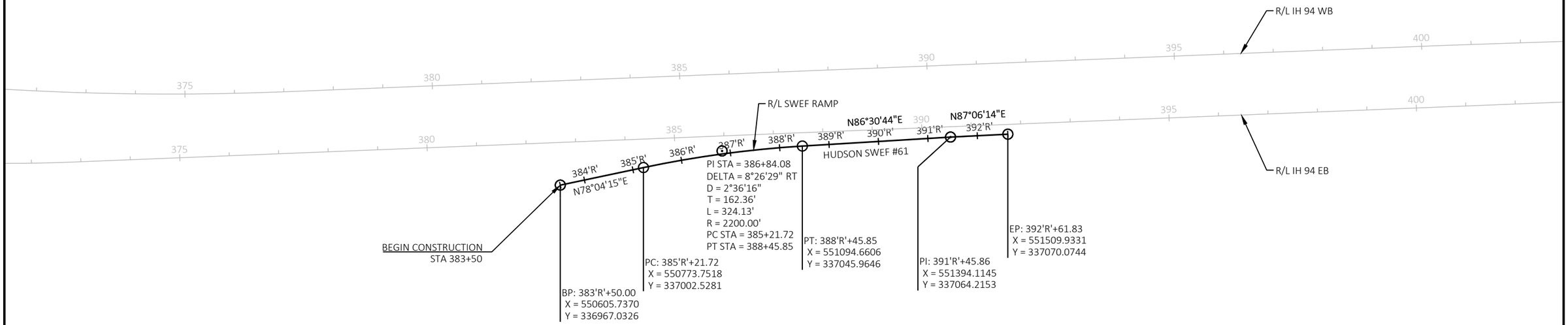
PLOT DATE : 5/8/2024 5:32 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	ALIGNMENT PLAN	SHEET 98	E

2

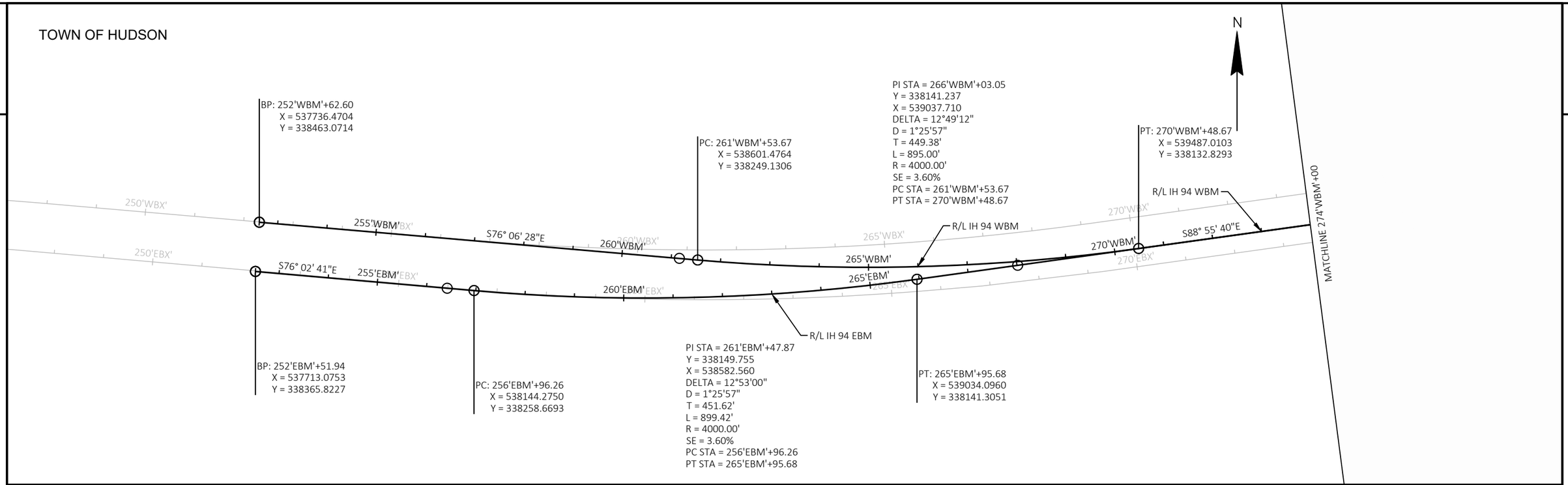
N

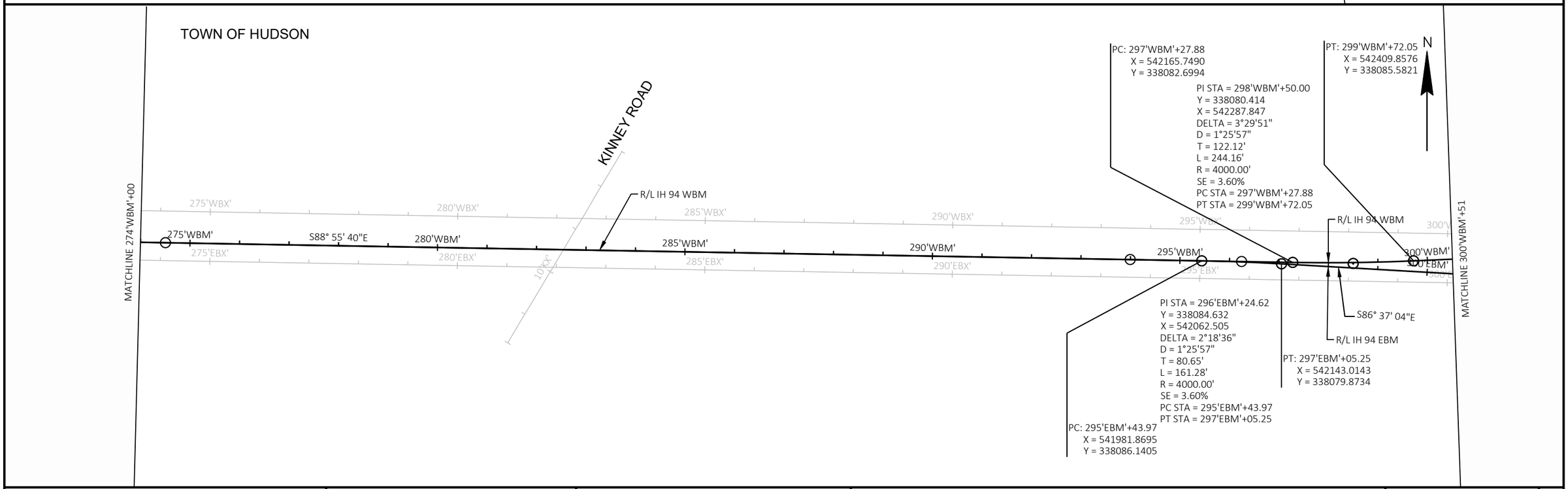


SWEF RAMP

SUPERELEVATION DATA	STATION	RATE
Begin Alignment	383'R'+50	-2.00%
End Normal Crown	384'R'+06	-2.00%
Begin Full Super	385'R'+55	4.10%
End Full Super	388'R'+75	4.10%
Begin Normal Crown	389'R'+59	2.00%
End Alignment	392'R'+61	2.00%

TOWN OF HUDSON



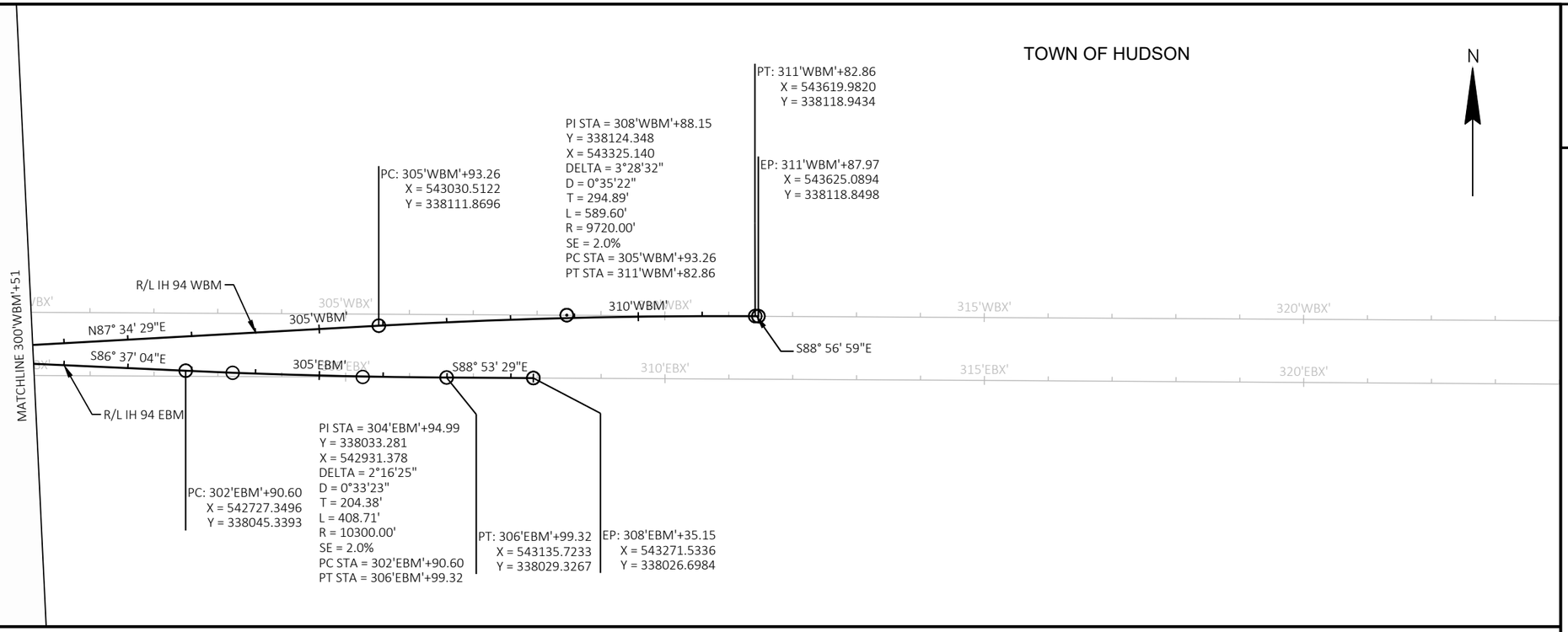


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	ALIGNMENT PLAN - IH 94 TEMPORARY MEDIAN AT KINNEY ROAD	SHEET 100	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\027202-AD.DWG
LAYOUT NAME - 027202-ad
PLOT DATE : 5/8/2024 5:33 PM
PLOT BY : BRUCKNER, KAITLYN
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44

TOWN OF HUDSON

N

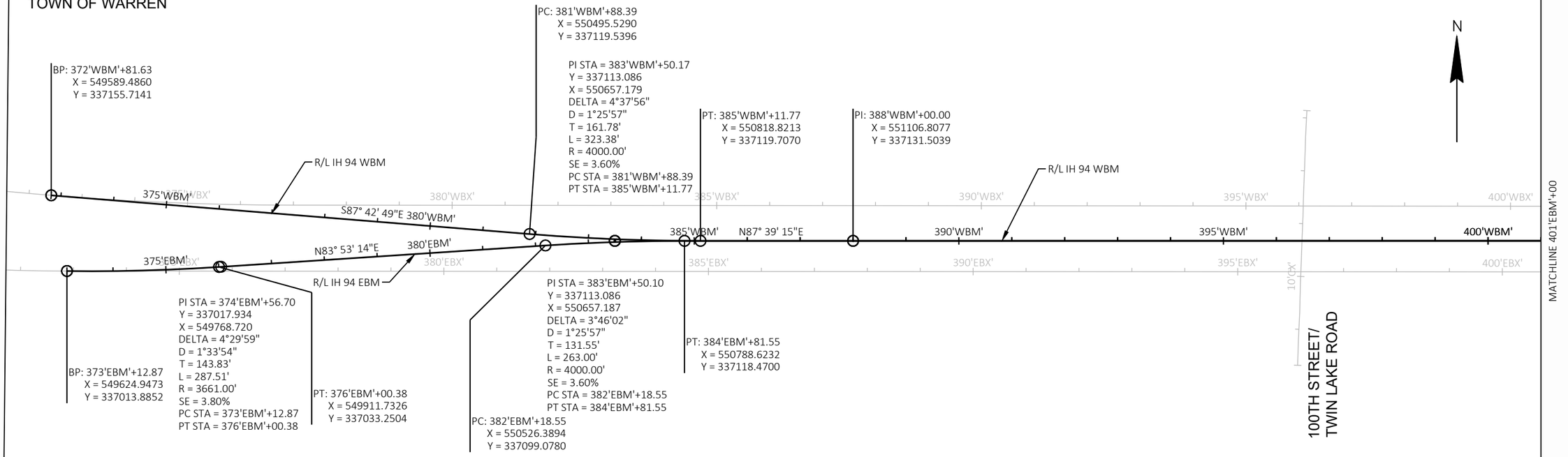


2

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	ALIGNMENT PLAN - IH 94 TEMPORARY MEDIAN AT KINNEY ROAD	SHEET 101	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\027202-AD.DWG
LAYOUT NAME - 027203-ad
PLOT DATE : 5/8/2024 5:33 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44

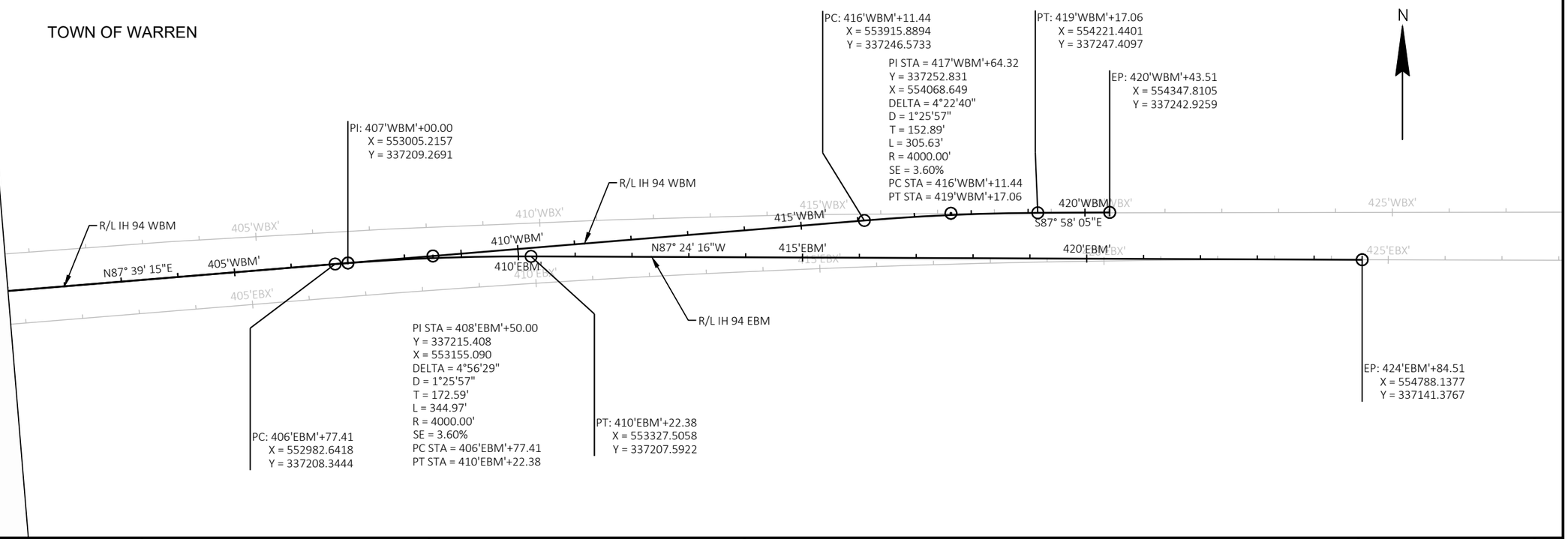
TOWN OF WARREN



5

5

TOWN OF WARREN



PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	ALIGNMENT PLAN - IH 94 TEMPORARY MEDIAN AT 100TH STREET	SHEET 102	E

2

IH 94 WB TEMPORARY MEDIAN AT KINNEY ROAD

SUPERELEVATION DATA	STATION	RATE	
		LEFT	RIGHT
NORMAL CROWN	259'WBM'+78	-2.00%	-2.00%
REVERSE CROWN	261'WBM'+38	-2.00%	2.00%
BEGIN FULL SUPER	262'WBM'+02	-3.60%	3.60%
END FULL SUPER	270'WBM'+01	-3.60%	3.60%
REVERSE CROWN	270'WBM'+65	-2.00%	2.00%
REVERSE CROWN	297'WBM'+12	-2.00%	2.00%
BEGIN FULL SUPER	297'WBM'+76	-3.60%	3.60%
END FULL SUPER	299'WBM'+24	-3.60%	3.60%
REVERSE CROWN	299'WBM'+88	-2.00%	2.00%
NORMAL CROWN	301'WBM'+48	-2.00%	-2.00%
NORMAL CROWN	304'WBM'+60	-2.00%	-2.00%
BEGIN FULL SUPER	306'WBM'+20	2.00%	-2.00%
END FULL SUPER	311'WBM'+56	2.00%	-2.00%
NORMAL CROWN	313'WBM'+16	-2.00%	-2.00%

IH 94 EB TEMPORARY MEDIAN AT KINNEY ROAD

SUPERELEVATION DATA	STATION	RATE	
		LEFT	RIGHT
NORMAL CROWN	255'EBM'+20	-2.00%	-2.00%
REVERSE CROWN	256'EBM'+80	-2.00%	2.00%
BEGIN FULL SUPER	257'EBM'+44	-3.60%	3.60%
END FULL SUPER	268'EBM'+00	-3.60%	3.60%
REVERSE CROWN	269'EBM'+50	-2.00%	2.00%
REVERSE CROWN	293'EBM'+68	-2.00%	2.00%
REVERSE CROWN	295'EBM'+28	2.00%	-2.00%
BEGIN FULL SUPER	295'EBM'+92	3.60%	-3.60%
END FULL SUPER	296'EBM'+57	3.60%	-3.60%
REVERSE CROWN	297'EBM'+21	2.00%	-2.00%
NORMAL CROWN	298'EBM'+81	-2.00%	-2.00%
NORMAL CROWN	301'EBM'+57	-2.00%	-2.00%
BEGIN FULL SUPER	303'EBM'+17	-2.00%	2.00%
END FULL SUPER	306'EBM'+73	-2.00%	2.00%
NORMAL CROWN	308'EBM'+33	-2.00%	-2.00%

IH 94 WB TEMPORARY MEDIAN AT 100TH STREET

SUPERELEVATION DATA	STATION	RATE	
		LEFT	RIGHT
NORMAL CROWN	380'WBM'+12	-2.00%	-2.00%
REVERSE CROWN	381'WBM'+72	-2.00%	2.00%
BEGIN FULL SUPER	382'WBM'+36	-3.60%	3.60%
END FULL SUPER	384'WBM'+64	-3.60%	3.60%
REVERSE CROWN	385'WBM'+28	-2.00%	2.00%
NORMAL CROWN	386'WBM'+88	-2.00%	-2.00%
NORMAL CROWN	414'WBM'+35	-2.00%	-2.00%
REVERSE CROWN	415'WBM'+95	2.00%	-2.00%
BEGIN FULL SUPER	416'WBM'+59	3.60%	-3.60%
END FULL SUPER	418'WBM'+69	3.60%	-3.60%
REVERSE CROWN	419'WBM'+33	2.00%	-2.00%
NORMAL CROWN	420'WBM'+93	-2.00%	-2.00%

IH 94 EB TEMPORARY MEDIAN AT 100TH STREET

SUPERELEVATION DATA	STATION	RATE	
		LEFT	RIGHT
NORMAL CROWN	371'EBM'+32	-2.00%	-2.00%
REVERSE CROWN	372'EBM'+92	-2.00%	2.00%
BEGIN FULL SUPER	373'EBM'+64	-3.80%	3.80%
END FULL SUPER	375'EBM'+50	-3.80%	3.80%
REVERSE CROWN	376'EBM'+22	-2.00%	2.00%
NORMAL CROWN	377'EBM'+82	-2.00%	-2.00%
NORMAL CROWN	380'EBM'+43	-2.00%	-2.00%
REVERSE CROWN	382'EBM'+03	2.00%	-2.00%
BEGIN FULL SUPER	382'EBM'+67	3.60%	-3.60%
END FULL SUPER	384'EBM'+34	3.60%	-3.60%
REVERSE CROWN	384'EBM'+98	2.00%	-2.00%
NORMAL CROWN	386'EBM'+58	-2.00%	-2.00%
NORMAL CROWN	405'EBM'+01	-2.00%	-2.00%
REVERSE CROWN	406'EBM'+61	2.00%	-2.00%
BEGIN FULL SUPER	407'EBM'+25	3.60%	-3.60%
END FULL SUPER	409'EBM'+74	3.60%	-3.60%
REVERSE CROWN	410'EBM'+38	2.00%	-2.00%
NORMAL CROWN	411'EBM'+98	-2.00%	-2.00%

Estimate Of Quantities

Line	Item	Item Description	Unit	Total	1020-07-79 Qty	1020-07-80 Qty	1020-07-81 Qty	1020-07-82 Qty
0002	108.4400	CPM Progress Schedule	EACH	1.000	0.250	0.250	0.250	0.250
0004	201.0105	Clearing	STA	50.000	18.000	17.000	8.000	7.000
0006	201.0205	Grubbing	STA	50.000	18.000	17.000	8.000	7.000
0008	203.0100	Removing Small Pipe Culverts	EACH	7.000	2.000	1.000	1.000	3.000
0010	203.0220	Removing Structure (structure) 01. B-55-31	EACH	1.000	1.000			
0012	203.0220	Removing Structure (structure) 02. B-55-32	EACH	1.000		1.000		
0014	203.0220	Removing Structure (structure) 03. B-55-33	EACH	1.000			1.000	
0016	203.0220	Removing Structure (structure) 04. B-55-34	EACH	1.000				1.000
0018	204.0100	Removing Concrete Pavement	SY	23,625.000	6,431.000	6,416.000	4,745.000	6,033.000
0020	204.0170	Removing Fence	LF	3,247.000	1,184.000	391.000	1,271.000	401.000
0022	204.0180	Removing Delineators and Markers	EACH	27.000	6.000	6.000	4.000	11.000
0024	204.0220	Removing Inlets	EACH	26.000	9.000	7.000	5.000	5.000
0026	204.0245	Removing Storm Sewer (size) 01. 12-Inch	LF	1,459.000	812.000	417.000	110.000	120.000
0028	204.0245	Removing Storm Sewer (size) 02. 15-Inch	LF	1,118.000	296.000		318.000	504.000
0030	204.0245	Removing Storm Sewer (size) 03. 18-Inch	LF	226.000		129.000	97.000	
0032	204.0270	Abandoning Culvert Pipes	EACH	2.000	2.000			
0034	205.0100	Excavation Common	CY	49,052.000	13,855.000	21,189.000	6,059.000	7,949.000
0036	206.1001	Excavation for Structures Bridges (structure) 01. B-55-0250	EACH	1.000	1.000			
0038	206.1001	Excavation for Structures Bridges (structure) 02. B-55-0251	EACH	1.000		1.000		
0040	206.1001	Excavation for Structures Bridges (structure) 03. B-55-0252	EACH	1.000			1.000	
0042	206.1001	Excavation for Structures Bridges (structure) 04. B-55-0253	EACH	1.000				1.000
0044	208.0100	Borrow	CY	142,779.000	47,893.000	21,893.000	54,303.000	18,690.000
0046	208.1100	Select Borrow	CY	9,553.000		9,553.000		
0048	209.0200.S	Backfill Controlled Low Strength	CY	38.000	38.000			
0050	210.1500	Backfill Structure Type A	TON	3,976.000	970.000	1,010.000	896.000	1,100.000
0052	213.0100	Finishing Roadway (project) 01. 1020-07-79	EACH	1.000	1.000			
0054	213.0100	Finishing Roadway (project) 02. 1020-07-80	EACH	1.000		1.000		
0056	213.0100	Finishing Roadway (project) 03. 1020-07-81	EACH	1.000			1.000	
0058	213.0100	Finishing Roadway (project) 04. 1020-07-82	EACH	1.000				1.000
0060	305.0110	Base Aggregate Dense 3/4-Inch	TON	3,718.000	953.000	950.000	771.000	1,044.000
0062	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	72,999.000	21,365.000	14,036.000	17,389.000	20,209.000
0064	415.0110	Concrete Pavement 11-Inch	SY	859.000				859.000
0066	415.0120	Concrete Pavement 12-Inch	SY	776.000	241.000	241.000	147.000	147.000
0068	415.0410	Concrete Pavement Approach Slab	SY	795.000	258.000	257.000	120.000	160.000
0070	455.0605	Tack Coat	GAL	8,454.000	2,472.000	1,941.000	1,973.000	2,068.000
0072	460.2000	Incentive Density HMA Pavement	DOL	18,410.000	4,750.000	4,850.000	3,760.000	5,050.000
0074	460.6243	HMA Pavement 3 MT 58-34 S	TON	166.000				166.000
0076	460.6244	HMA Pavement 4 MT 58-34 S	TON	433.000	77.000	77.000	84.000	195.000
0078	460.7644	HMA Pavement 4 HT 58-34 V	TON	28,141.000	7,343.000	7,486.000	5,786.000	7,526.000
0080	465.0125	Asphaltic Surface Temporary	TON	14,671.000	5,768.000	1,973.000	4,868.000	2,062.000
0082	465.0510	Asphaltic Rumble Strips, Shoulder Divided Roadway	LF	15,865.000	4,504.000	4,504.000	3,428.000	3,429.000
0084	502.0100	Concrete Masonry Bridges	CY	3,039.000	767.000	774.000	688.000	810.000
0086	502.3200	Protective Surface Treatment	SY	4,898.000	1,265.000	1,265.000	1,078.000	1,290.000
0088	502.3210	Pigmented Surface Sealer	SY	674.000	182.000	182.000	155.000	155.000
0090	503.0155	Prestressed Girder Type I 54W-Inch	LF	1,955.000			920.000	1,035.000
0092	503.0172	Prestressed Girder Type I 72W-Inch	LF	2,272.000	1,136.000	1,136.000		
0094	505.0400	Bar Steel Reinforcement HS Structures	LB	47,250.000	11,680.000	11,770.000	10,920.000	12,880.000
0096	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	396,515.000	103,630.000	104,000.000	88,620.000	100,265.000
0098	505.0800.S	Bar Steel Reinforcement HS Stainless Structures	LB	8,850.000	2,110.000	2,110.000	2,110.000	2,520.000

					1020-07-79	1020-07-80	1020-07-81	1020-07-82
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**
0100	506.2605	Bearing Pads Elastomeric Non-Laminated	EACH	66.000	16.000	16.000	16.000	18.000
0102	506.4000	Steel Diaphragms (structure) 01. B-55-0250	EACH	14.000	14.000			
0104	506.4000	Steel Diaphragms (structure) 02. B-55-0251	EACH	14.000		14.000		
0106	506.4000	Steel Diaphragms (structure) 03. B-55-0252	EACH	14.000			14.000	
0108	506.4000	Steel Diaphragms (structure) 04. B-55-0253	EACH	16.000				16.000
0110	511.1100	Temporary Shoring	SF	3,550.000		3,550.000		
0112	516.0500	Rubberized Membrane Waterproofing	SY	156.000	40.000	40.000	36.000	40.000
0114	520.1012	Apron Endwalls for Culvert Pipe 12-Inch	EACH	5.000	1.000	2.000	1.000	1.000
0116	520.8000	Concrete Collars for Pipe	EACH	5.000	2.000	1.000	1.000	1.000
0118	521.1012	Apron Endwalls for Culvert Pipe Steel 12-Inch	EACH	8.000	2.000	2.000	2.000	2.000
0120	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	4.000	1.000	1.000	1.000	1.000
0122	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	2.000	1.000	1.000		
0124	526.0101	Temporary Structure (station) 01. STA. 282+72 WB	EACH	1.000	1.000			
0126	526.0101	Temporary Structure (station) 02. STA 396+50.42 WB	EACH	1.000			1.000	
0128	530.0112	Culvert Pipe Corrugated Polyethylene 12-Inch	LF	304.000	92.000	73.000	37.000	102.000
0130	550.0020	Pre-Boring Rock or Consolidated Materials	LF	200.000	200.000			
0132	550.2126	Piling CIP Concrete 12 3/4 X 0.375-Inch	LF	9,440.000	2,400.000	2,600.000	2,040.000	2,400.000
0134	601.0590	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type TBTT	LF	534.000	155.000	155.000	112.000	112.000
0136	603.8000	Concrete Barrier Temporary Precast Delivered	LF	70,008.000	20,976.000	16,221.000	17,821.000	14,990.000
0138	603.8125	Concrete Barrier Temporary Precast Installed	LF	70,008.000	20,976.000	16,221.000	17,821.000	14,990.000
0140	603.8500	Anchoring Concrete Barrier Temporary Precast	LF	67,962.000	20,397.000	15,643.000	17,299.000	14,623.000
0142	603.8505	Anchoring Concrete Barrier Temporary Precast on Bridge Decks	LF	1,362.000	369.000	368.000	312.000	313.000
0144	604.0600	Slope Paving Select Crushed Material	SY	2,265.000	620.000	620.000	465.000	560.000
0146	606.0200	Riprap Medium	CY	110.000	46.000	21.000	21.000	22.000
0148	608.0224	Storm Sewer Pipe Reinforced Concrete Class II 24-Inch	LF	134.000				134.000
0150	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	424.000	130.000	141.000	153.000	
0152	608.0430	Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	LF	394.000	276.000	118.000		
0154	608.3012	Storm Sewer Pipe Class III-A 12-Inch	LF	1,499.000	860.000	413.000	108.000	118.000
0156	608.3015	Storm Sewer Pipe Class III-A 15-Inch	LF	1,118.000	296.000		318.000	504.000
0158	608.3018	Storm Sewer Pipe Class III-A 18-Inch	LF	226.000		129.000	97.000	
0160	611.0430	Reconstructing Inlets	EACH	1.000	1.000			
0162	611.0530	Manhole Covers Type J	EACH	2.000	1.000	1.000		
0164	611.0642	Inlet Covers Type MS	EACH	60.000	20.000	16.000	12.000	12.000
0166	611.0654	Inlet Covers Type V	EACH	8.000	2.000	2.000	2.000	2.000
0168	611.2005	Manholes 5-FT Diameter	EACH	2.000	1.000	1.000		
0170	611.3220	Inlets 2x2-FT	EACH	8.000	2.000	2.000	2.000	2.000
0172	611.3902	Inlets Median 2 Grate	EACH	30.000	10.000	8.000	6.000	6.000
0174	611.8115	Adjusting Inlet Covers	EACH	5.000		3.000	1.000	1.000
0176	611.9900.S	Drain Slotted Vane	EACH	1.000		1.000		
0178	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	1,125.000	280.000	280.000	265.000	300.000
0180	614.0150	Anchor Assemblies for Steel Plate Beam Guard	EACH	9.000	2.000	3.000	2.000	2.000
0182	614.0905	Crash Cushions Temporary	EACH	24.000	6.000	6.000	6.000	6.000
0184	614.0920	Salvaged Rail	LF	5,809.000	1,328.000	1,303.000	1,998.000	1,180.000
0186	614.0925	Salvaged Guardrail End Treatments	EACH	22.000	6.000	6.000	6.000	4.000
0188	614.2300	MGS Guardrail 3	LF	1,953.000	326.000	885.000	327.000	415.000
0190	614.2500	MGS Thrie Beam Transition	LF	351.000	78.000	117.000	78.000	78.000
0192	614.2610	MGS Guardrail Terminal EAT	EACH	8.000	2.000	2.000	2.000	2.000
0194	614.2620	MGS Guardrail Terminal Type 2	EACH	1.000		1.000		
0196	616.0100	Fence Woven Wire (height) 01. 4-FT	LF	3,440.000	1,296.000	323.000	1,270.000	551.000

Line	Item	Item Description	Unit	Total	1020-07-79 Qty	1020-07-80 Qty	1020-07-81 Qty	1020-07-82 Qty
0198	618.0100	Maintenance and Repair of Haul Roads (project) 01. 1020-07-79	EACH	1.000	1.000			
0200	618.0100	Maintenance and Repair of Haul Roads (project) 02. 1020-07-80	EACH	1.000		1.000		
0202	618.0100	Maintenance and Repair of Haul Roads (project) 03. 1020-07-81	EACH	1.000			1.000	
0204	618.0100	Maintenance and Repair of Haul Roads (project) 04. 1020-07-82	EACH	1.000				1.000
0206	619.1000	Mobilization	EACH	1.000	0.250	0.250	0.250	0.250
0208	624.0100	Water	MGAL	2,858.000	734.000	889.000	570.000	665.000
0210	625.0500	Salvaged Topsoil	SY	106,768.000	30,803.000	33,160.000	20,311.000	22,494.000
0212	627.0200	Mulching	SY	28,964.000	6,620.000	7,037.000	5,809.000	9,498.000
0214	628.1504	Silt Fence	LF	2,932.000	579.000	440.000	992.000	921.000
0216	628.1520	Silt Fence Maintenance	LF	14,614.000	2,895.000	2,201.000	4,959.000	4,559.000
0218	628.1905	Mobilizations Erosion Control	EACH	92.000	23.000	23.000	23.000	23.000
0220	628.1910	Mobilizations Emergency Erosion Control	EACH	56.000	14.000	14.000	14.000	14.000
0222	628.2002	Erosion Mat Class I Type A	SY	121,223.000	38,316.000	23,067.000	29,280.000	30,560.000
0224	628.2031	Erosion Mat Class III Type A	SY	8,772.000		8,772.000		
0226	628.6510	Soil Stabilizer Type B	ACRE	0.210	0.070	0.060	0.030	0.050
0228	628.7005	Inlet Protection Type A	EACH	25.000	8.000	5.000	6.000	6.000
0230	628.7020	Inlet Protection Type D	EACH	7.000	3.000	4.000		
0232	628.7504	Temporary Ditch Checks	LF	2,043.000	372.000	102.000	616.000	953.000
0234	628.7555	Culvert Pipe Checks	EACH	18.000	6.000	6.000	3.000	3.000
0236	628.7560	Tracking Pads	EACH	8.000	2.000	2.000	2.000	2.000
0238	628.7570	Rock Bags	EACH	34.000		17.000	17.000	
0240	629.0210	Fertilizer Type B	CWT	69.000	20.000	22.000	12.000	15.000
0242	630.0130	Seeding Mixture No. 30	LB	1,971.000	554.000	596.000	366.000	455.000
0244	630.0200	Seeding Temporary	LB	83.000	28.000		24.000	31.000
0246	630.0500	Seed Water	MGAL	4,918.000	1,383.000	1,488.000	912.000	1,135.000
0248	633.0100	Delineator Posts Steel	EACH	25.000	6.000	6.000	4.000	9.000
0250	633.0500	Delineator Reflectors	EACH	25.000	6.000	6.000	4.000	9.000
0252	633.1100	Delineators Temporary	EACH	187.000	43.000	49.000	43.000	52.000
0254	633.5100	Markers ROW	EACH	17.000	5.000		7.000	5.000
0256	633.5200	Markers Culvert End	EACH	6.000	2.000	2.000	1.000	1.000
0258	638.2102	Moving Signs Type II	EACH	2.000				2.000
0260	638.4000	Moving Small Sign Supports	EACH	2.000				2.000
0262	642.5201	Field Office Type C	EACH	1.000	1.000			
0264	643.0300	Traffic Control Drums	DAY	95,558.000	22,216.000	24,062.000	23,171.000	26,109.000
0266	643.0420	Traffic Control Barricades Type III	DAY	4,091.000	899.000	858.000	899.000	1,435.000
0268	643.0705	Traffic Control Warning Lights Type A	DAY	3,078.000	646.000	612.000	646.000	1,174.000
0270	643.0715	Traffic Control Warning Lights Type C	DAY	23,056.000	3,475.000	5,977.000	3,763.000	9,841.000
0272	643.0800	Traffic Control Arrow Boards	DAY	1,389.000	368.000	362.000	297.000	362.000
0274	643.0900	Traffic Control Signs	DAY	32,252.000	7,393.000	7,953.000	7,669.000	9,237.000
0276	643.0920	Traffic Control Covering Signs Type II	EACH	2.000				2.000
0278	643.1051	Traffic Control Signs PCMS with Cellular Communications	DAY	1,772.000	449.000	437.000	449.000	437.000
0280	643.3170	Temporary Marking Line Epoxy 6-Inch	LF	81,998.000	25,867.000	17,771.000	21,464.000	16,896.000
0282	643.3760	Temporary Marking Raised Pavement Marker Type I	EACH	233.000	62.000	52.000	56.000	63.000
0284	643.4100	Traffic Control Interim Lane Closure	EACH	140.000	35.000	35.000	35.000	35.000
0286	643.5000	Traffic Control	EACH	1.000	0.250	0.250	0.250	0.250
0288	645.0111	Geotextile Type DF Schedule A	SY	562.000	144.000	144.000	126.000	148.000
0290	645.0120	Geotextile Type HR	SY	231.000	99.000	44.000	44.000	44.000
0292	645.0260	Geogrid Type SSR	SY	5,333.000		5,333.000		
0294	646.2025	Marking Line Grooved Black Epoxy 6-Inch	LF	4,134.000	1,000.000	1,251.000	1,040.000	843.000

					1020-07-79	1020-07-80	1020-07-81	1020-07-82
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**
0296	646.2040	Marking Line Grooved Wet Ref Epoxy 6-Inch	LF	37,856.000	11,344.000	10,347.000	8,643.000	7,522.000
0298	646.2050	Marking Line Grooved Permanent Tape 6-Inch	LF	4,134.000	1,000.000	1,251.000	1,040.000	843.000
0300	646.4040	Marking Line Grooved Wet Ref Epoxy 10-Inch	LF	725.000				725.000
0302	646.5020	Marking Arrow Epoxy	EACH	2.000				2.000
0304	646.6466	Cold Weather Marking Epoxy 6-Inch	LF	37,856.000	11,344.000	10,347.000	8,643.000	7,522.000
0306	646.9002	Marking Removal Line 6-Inch	LF	19,388.000	3,706.000	5,897.000	4,451.000	5,334.000
0308	650.4000	Construction Staking Storm Sewer	EACH	72.000	19.000	20.000	16.000	17.000
0310	650.4500	Construction Staking Subgrade	LF	16,903.000	4,642.000	4,642.000	3,553.000	4,066.000
0312	650.5000	Construction Staking Base	LF	16,903.000	4,642.000	4,642.000	3,553.000	4,066.000
0314	650.6501	Construction Staking Structure Layout (structure) 01. B-55-0250	EACH	1.000	1.000			
0316	650.6501	Construction Staking Structure Layout (structure) 02. B-55-251	EACH	1.000		1.000		
0318	650.6501	Construction Staking Structure Layout (structure) 03. B-55-0252	EACH	1.000			1.000	
0320	650.6501	Construction Staking Structure Layout (structure) 04. B-55-0253	EACH	1.000				1.000
0322	650.7000	Construction Staking Concrete Pavement	LF	1,045.000	155.000	154.000	112.000	624.000
0324	650.9911	Construction Staking Supplemental Control (project) 01. 1020-07-79	EACH	1.000	1.000			
0326	650.9911	Construction Staking Supplemental Control (project) 02. 1020-07-80	EACH	1.000		1.000		
0328	650.9911	Construction Staking Supplemental Control (project) 03. 1020-07-81	EACH	1.000			1.000	
0330	650.9911	Construction Staking Supplemental Control (project) 04. 1020-07-82	EACH	1.000				1.000
0332	650.9920	Construction Staking Slope Stakes	LF	16,903.000	4,642.000	4,642.000	3,553.000	4,066.000
0334	690.0150	Sawing Asphalt	LF	877.000	56.000	122.000	54.000	645.000
0336	690.0250	Sawing Concrete	LF	218.000	48.000	48.000	48.000	74.000
0338	715.0502	Incentive Strength Concrete Structures	DOL	18,234.000	4,602.000	4,644.000	4,128.000	4,860.000
0340	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	2,000.000	500.000	500.000	500.000	500.000
0342	740.0440	Incentive IRI Ride	DOL	1,720.000	480.000	460.000	380.000	400.000
0344	999.2000.S	Installing and Maintaining Bird Deterrent System (station) 01. 281'EB'+81	EACH	1.000	1.000			
0346	999.2000.S	Installing and Maintaining Bird Deterrent System (station) 02. 282'WB'+90	EACH	1.000		1.000		
0348	999.2000.S	Installing and Maintaining Bird Deterrent System (station) 03. 396'WB'+50	EACH	1.000			1.000	
0350	999.2000.S	Installing and Maintaining Bird Deterrent System (station) 04. 396'EB'+46	EACH	1.000				1.000
0352	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,100.000	2,100.000			
0354	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	2,400.000	2,400.000			
0356	SPV.0045	Special 01. Digital Speed Reduction System	DAY	3,488.000	884.000	860.000	884.000	860.000
0358	SPV.0060	Special 01. Reconstructing Median Inlets Special	EACH	6.000	2.000	2.000	1.000	1.000
0360	SPV.0060	Special 02. Pile Dynamic Analyzer (PDA) Testing	EACH	16.000	4.000	4.000	4.000	4.000
0362	SPV.0060	Special 03. Pile Dynamic Analyzer (PDA) Restrikes	EACH	16.000	4.000	4.000	4.000	4.000
0364	SPV.0060	Special 04. Case Pile Wave Analysis Program (CAPWAP) Evaluation	EACH	8.000	2.000	2.000	2.000	2.000
0366	SPV.0060	Special 05. Emergency Response to Traffic Involving Concrete Barrier Temporary	EACH	8.000	2.000	2.000	2.000	2.000
0368	SPV.0060	Special 06. Emergency Response to Traffic Involving Crash Cushion	EACH	4.000	1.000	1.000	1.000	1.000
0370	SPV.0090	Special 01. Construction Staking Finished Median	LF	4,351.000	1,340.000	1,132.000	838.000	1,041.000

DIVISION	PROJECT ID	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	UNEXPANDED FILL	EXPANDED FILL (6) FACTOR 1.25	MASS ORDINATE +/- (7)	WASTE (8)	208.0100 BORROW (9)	208.1100 SELECT BORROW (10)	COMMENT
DIVISION 1													
94-MED-WB-KINNEY-S1	1020-07-79	263+50/304+00	TEMP ROADWAY	1,352	0	1,352	19,524	24,405	-23,053	0	23,053	0	
94-MED-WB-100TH-S1	1020-07-81	383+00/412+50	TEMP ROADWAY	122	0	122	20,033	25,041	-24,919	0	24,919	0	
DIVISION 1 SUBTOTAL				1,474	0	1,474	39,557	49,446	-47,972	0	47,972	0	
DIVISION 2													
94WB-KINNEY-S2	1020-07-79	269+00/294+00	MAINLINE	8,979	1,529	7,450	23,673	29,591	-22,141	0	22,141	0	
94-MED-WB-KINNEY-S2	1020-07-79	269+50/294+00	TEMP ROADWAY - GRADING	122	0	122	2,150	2,688	-2,566	0	2,566	0	
94WB-100TH-S2	1020-07-81	388+00/407+00	MAINLINE	2,415	1,151	1,264	23,057	28,821	-27,557	0	27,557	0	
94-MED-WB-100TH-S2	1020-07-81	388+45/407+00	TEMP ROADWAY - GRADING	30	0	30	1,485	1,856	-1,826	0	1,826	0	
DIVISION 2 SUBTOTAL				11,546	2,680	8,866	50,365	62,956	-54,090	0	54,090	0	
DIVISION 3A													
94-MED-EB-KINNEY-S3A	1020-07-80	266+00/300+00	TEMP ROADWAY	2,746	0	2,746	80	100	2,646	2,646	0	0	
94-MED-EB-100TH-S3A	1020-07-82	378+50/413+00	TEMP ROADWAY	2,395	0	2,395	1,680	2,100	295	295	0	0	
DIVISION 3A SUBTOTAL				5,141	0	5,141	1,760	2,200	2,941	2,941	0	0	
DIVISION 3B													
94EB-KINNEY-S3B	1020-07-80	269+00/294+00	MAINLINE	13,818	1,529	12,289	33,713	42,141	-29,852	0	20,300	9,553	SELECT BORROW USED FROM 285+00 TO 287+00
94-MED-EB-KINNEY-S3B	1020-07-80	269+00/294+00	TEMP ROADWAY - GRADING	39	0	39	1,306	1,633	-1,594	0	1,594	0	
94EB-100TH-S3B	1020-07-82	388+00/407+00	MAINLINE	755	1,118	-363	12,245	15,306	-15,669	0	15,669	0	
SWEF RAMP	1020-07-82	383+50/388+62	SWEF RAMP	703	256	447	1,471	1,839	-1,392	0	1,392	0	
94-MED-EB-100TH-S3B	1020-07-82	388+00/407+00	TEMP ROADWAY - GRADING	42	0	42	1,337	1,671	-1,629	0	1,629	0	
DIVISION 3B SUBTOTAL				15,357	2,903	12,454	50,072	62,590	-50,136	0	40,583	9,553	
DIVISION 4													
94WB-KINNEY-S4	1020-07-79	269+00/294+00	MAINLINE	3,402	0	3,402	2,828	3,535	-133	0	133	0	
94EB-KINNEY-S4	1020-07-80	269+00/294+00	MAINLINE	4,586	0	4,586	2,513	3,141	1,445	1,445	0	0	
94WB-100TH-S4	1020-07-81	388+00/407+00	MAINLINE	3,492	0	3,492	2,529	3,161	331	331	0	0	
94EB-100TH-S4	1020-07-82	388+00/407+00	MAINLINE	4,054	0	4,054	2,106	2,633	1,422	1,422	0	0	
DIVISION 4 SUBTOTAL				15,534	0	15,534	9,976	12,470	3,064	3,197	133	0	
SUBTOTAL BY PROJECT ID													
1020-07-79				13,855	1,529	12,326	48,175	60,219	-47,893	0	47,893	0	
1020-07-80				21,189	1,529	19,660	37,612	47,015	-27,355	4,091	21,893	9,553	
1020-07-81				6,059	1,151	4,908	47,104	58,880	-53,972	331	54,303	0	
1020-07-82				7,949	1,118	6,575	18,839	23,549	-16,974	1,717	18,690	0	
GRAND TOTAL				49,052	5,583	43,469	151,730	189,663	-146,194	6,138	142,779	9,553	
TOTAL COMMON EXC				49,052									

NOTES:

(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100

(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.

(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL

(5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL

(6) EXPANDED FILL FACTOR = 1.25

(7) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

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

(9) BORROW EXCAVATION.

(10) USE SELECT BORROW WHERE INDICATED.

PROJECT ID	STAGE	STATION	TO	STATION	LOCATION	201.0105 Clearing STA	201.0205 Grubbing STA
1020-07-79	STAGE 2	271+09	-	272+09	IH 94 WB AT KINNEY ROAD 'LT'	1	1
	STAGE 2	271+50	-	274+50	IH 94 WB AT KINNEY ROAD 'LT'	3	3
	STAGE 2	276+22	-	281+23	IH 94 WB AT KINNEY ROAD 'LT'	5	5
	STAGE 2	281+23	-	289+23	IH 94 WB AT KINNEY ROAD 'LT'	8	8
	STAGE 2	289+81	-	290+81	IH 94 WB AT KINNEY ROAD 'LT'	1	1
1020-07-79 Total						18	18
1020-07-80	STAGE 3B	270+79	-	271+79	IH 94 EB AT KINNEY ROAD 'LT'	1	1
	STAGE 3B	274+66	-	275+66	IH 94 EB AT KINNEY ROAD 'RT'	1	1
	STAGE 3B	278+27	-	281+25	IH 94 EB AT KINNEY ROAD 'RT'	3	3
	STAGE 3B	281+70	-	293+69	IH 94 EB AT KINNEY ROAD 'RT'	12	12
1020-07-80 Total						17	17
1020-07-81	STAGE 2	391+07	-	392+07	IH 94 WB AT 100TH STREET 'LT'	1	1
	STAGE 2	392+57	-	393+57	IH 94 WB AT 100TH STREET 'LT'	1	1
	STAGE 2	395+13	-	396+13	IH 94 WB AT 100TH STREET 'LT'	1	1
	STAGE 2	398+89	-	399+89	IH 94 WB AT 100TH STREET 'LT'	1	1
	STAGE 2	401+16	-	405+14	IH 94 WB AT 100TH STREET 'LT'	4	4
1020-07-81 Total						8	8
1020-07-82	STAGE 3B	396+49	-	400+50	IH 94 EB AT 100TH STREET 'RT'	4	4
	STAGE 3B	400+82	-	403+82	IH 94 EB AT 100TH STREET 'RT'	3	3
1020-07-82 Total						7	7
Contract Total						**50**	**50**

ALL ITEMS ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

PROJECT ID	STATION	TO	STATION	LOCATION	203.0100 Removing Small Pipe Culverts EACH	204.0100 Removing Concrete Pavement SY	204.0170 Removing Fence LF	204.0180 Removing Delineators and Markers EACH
1020-07-79	268+08	-	268+10	IH 94 WB AT KINNEY ROAD 'LT'	1			
	269+00	-	282+41	IH 94 WB AT KINNEY ROAD 'LT'				3
	269+00	-	282+36	IH 94 WB AT KINNEY ROAD 'RT'		3,597		
	275+79	-	282+74	IH 94 WB AT KINNEY ROAD 'LT'			785	
	277+00	-	277+00	IH 94 WB AT KINNEY ROAD 'LT'	1			
	281+91	-	282+26	IH 94 WB AT KINNEY ROAD 'RT'			75	
	283+50	-	294+00	IH 94 WB AT KINNEY ROAD 'RT'		2,834		
	283+59	-	286+46	IH 94 WB AT KINNEY ROAD 'LT'			324	
	283+67	-	293+75	IH 94 WB AT KINNEY ROAD 'LT'				3
1020-07-79 Total					2	6,431	1,184	6
1020-07-80	269+00	-	281+44	IH 94 EB AT KINNEY ROAD 'RT'				3
	269+00	-	281+71	IH 94 EB AT KINNEY ROAD 'LT'		3,400		
	280+73	-	281+66	IH 94 EB AT KINNEY ROAD 'RT'			168	
	282+12	-	282+74	IH 94 EB AT KINNEY ROAD 'RT'			146	
	282+85	-	294+00	IH 94 EB AT KINNEY ROAD 'RT'				3
	282+90	-	294+01	IH 94 EB AT KINNEY ROAD 'RT'		3,016		
	283+00	-	283+41	IH 94 EB AT KINNEY ROAD 'LT'			77	
	284+00	-	284+00	IH 94 EB AT KINNEY ROAD 'RT'	1			
1020-07-80 Total					1	6,416	391	6
1020-07-81				IH 94 WB AT 100TH STREET				2
	388+00	-	396+00	IH 94 WB AT 100TH STREET 'RT'		2,120		
	390+54	-	396+08	IH 94 WB AT 100TH STREET 'LT'			612	
	391+90	-	391+92	IH 94 WB AT 100TH STREET 'LT'	1			
	392+04	-	395+98	IH 94 WB AT 100TH STREET 'LT'				2
	395+96	-	396+06	IH 94 WB AT 100TH STREET 'RT'			99	
	396+97	-	397+34	IH 94 WB AT 100TH STREET 'LT'			80	
	397+03	-	407+00	IH 94 WB AT 100TH STREET 'RT'		2,625		
	400+07	-	404+85	IH 94 WB AT 100TH STREET 'LT'			480	
1020-07-81 Total					1	4,745	1,271	4
1020-07-82	383+50	-	388+62	SWEF RAMP 'RT'				5
	383+50	-	388+62	SWEF RAMP		729		
				IH 94 EB AT 100TH STREET	1			3
	388+00	-	393+69	IH 94 EB AT 100TH STREET 'RT'		288		
	388+00	-	395+94	IH 94 EB AT 100TH STREET 'LT'		2,347		
	396+89	-	396+95	IH 94 EB AT 100TH STREET 'RT'			17	
	396+91	-	397+01	IH 94 EB AT 100TH STREET 'LT'			91	
	396+91	-	399+35	IH 94 EB AT 100TH STREET 'RT'			293	
	396+97	-	407+00	IH 94 EB AT 100TH STREET 'RT'	1			3
	396+98	-	407+00	IH 94 EB AT 100TH STREET 'RT'		2,670		
	406+92	-	406+92	IH 94 EB AT 100TH STREET 'LT'	1			
1020-07-82 Total					3	6,033	401	11
Contract Total					**7**	**23,625**	**3,247**	**27**

PROJECT ID	STATION	TO	STATION	LOCATION	204.0270 Abandoning Culvert Pipes EACH	209.0200.S Backfill Controlled Low Strength CY
1020-07-79	281+07	-	282+12	IH 94 WB AT KINNEY ROAD 'RT'		38
	281+86	-	281+86	IH 94 WB AT KINNEY ROAD 'LT'	1	
	406+97	-	406+97	IH 94 MEDIAN EB AT 100TH STREET 'RT'	1	
1020-07-79 Total					2	38
Contract Total					**2**	**38**

FILE NAME : C:\pw8i-local\baker_projects\lkaufmann\d0625554\030201_mq.pptx PLOT DATE : 5/9/2024 2:46 PM PLOT BY : MICHAEL BAKER INTL PLOT NAME : PLOT SCALE : 1:1

PROJECT ID	STAGE	STATION	TO	STATION	LOCATION	305.0110 Base Aggregate Dense 3/4-Inch TON	305.0120 Base Aggregate Dense 1 1/4-Inch TON
1020-07-79	STAGE 1				IH 94 WB AT KINNEY ROAD		6,002
	STAGE 1	270+49	-	282+33	IH 94 WB AT KINNEY ROAD 'RT'		5,443
	STAGE 2	269+00	-	282+11	IH 94 WB AT KINNEY ROAD 'LT'	134	
	STAGE 2	269+00	-	281+62	IH 94 WB AT KINNEY ROAD 'LT'		4,049
	STAGE 2	283+74	-	294+00	IH 94 WB AT KINNEY ROAD 'RT'		3,315
	STAGE 2	283+94	-	294+00	IH 94 WB AT KINNEY ROAD 'LT'	247	
	STAGE 4				KINNEY ROAD	12	230
	STAGE 4	269+00	-	281+76	IH 94 WB AT KINNEY ROAD 'RT'	247	
	STAGE 4	269+00	-	281+62	IH 94 WB AT KINNEY ROAD 'RT'		915
	STAGE 4	283+59	-	294+00	IH 94 WB AT KINNEY ROAD 'RT'	313	1,023
1020-07-79 Total						953	20,977
1020-07-80	STAGE 3A	256+74	-	272+47	IH 94 MEDIAN EB AT KINNEY ROAD 'LT'		2,365
	STAGE 3A	296+23	-	308+35	IH 94 MEDIAN EB AT KINNEY ROAD 'LT'		1,549
	STAGE 3B				IH 94 EB AT KINNEY ROAD		4,209
	STAGE 3B	283+01	-	294+00	IH 94 EB AT KINNEY ROAD 'RT'	298	
	STAGE 3B	283+02	-	294+00	IH 94 EB AT KINNEY ROAD 'RT'		3,798
	STAGE 4				KINNEY ROAD	12	230
	STAGE 4	269+00	-	281+04	IH 94 EB AT KINNEY ROAD 'LT'		831
	STAGE 4	269+00	-	281+52	IH 94 EB AT KINNEY ROAD 'LT'	433	
	STAGE 4	283+28	-	294+00	IH 94 EB AT KINNEY ROAD 'LT'		666
	STAGE 4	283+36	-	292+31	IH 94 EB AT KINNEY ROAD 'LT'	207	
1020-07-80 Total						950	13,648
1020-07-81	STAGE 1				IH 94 WB AT 100TH STREET		9,659
	STAGE 2	388+00	-	395+56	IH 94 WB AT 100TH STREET 'RT'		2,440
	STAGE 2	388+00	-	395+71	IH 94 WB AT 100TH STREET 'LT'	79	
	STAGE 2	397+28	-	407+00	IH 94 WB AT 100TH STREET 'LT'	243	
	STAGE 2	397+43	-	407+00	IH 94 WB AT 100TH STREET 'LT'		3,112
	STAGE 4				100TH STREET	12	232
	STAGE 4	388+00	-	395+56	IH 94 WB AT 100TH STREET 'RT'		640
	STAGE 4	388+00	-	395+73	IH 94 WB AT 100TH STREET 'RT'	144	
	STAGE 4	397+28	-	407+00	IH 94 WB AT 100TH STREET 'RT'	293	
	STAGE 4	397+43	-	407+00	IH 94 WB AT 100TH STREET 'RT'		912
1020-07-81 Total						771	16,995
1020-07-82	STAGE 3A	373+13	-	383+33	IH 94 MEDIAN EB AT 100TH STREET 'LT'		1,785
	STAGE 3A	407+00	-	424+85	IH 94 MEDIAN EB AT 100TH STREET 'RT'		2,305
	STAGE 3B	383+50	-	388+62	SWEF RAMP	102	1,386
	STAGE 3B	388+00	-	395+52	IH 94 EB AT 100TH STREET 'LT'		6,557
	STAGE 3B	388+00	-	395+69	IH 94 EB AT 100TH STREET 'RT'	289	
	STAGE 3B	397+23	-	407+00	IH 94 EB AT 100TH STREET 'RT'	100	
	STAGE 3B	397+38	-	407+00	IH 94 EB AT 100TH STREET 'LT'		6,258
	STAGE 4				100TH STREET	12	232
	STAGE 4	388+00	-	395+52	IH 94 EB AT 100TH STREET 'LT'		631
	STAGE 4	388+00	-	395+67	IH 94 EB AT 100TH STREET 'LT'	353	
	STAGE 4	397+23	-	407+00	IH 94 EB AT 100TH STREET 'LT'	188	
	STAGE 4	397+38	-	407+00	IH 94 EB AT 100TH STREET 'LT'		587
1020-07-82 Total						1,044	19,741
Contract Total						**3,718**	**71,361**

PROJECT ID	STATION	TO	STATION	LOCATION	415.0110 Concrete Pavement 11-Inch SY	415.0120 Concrete Pavement 12-Inch SY	415.0410 Concrete Pavement Approach Slab SY
1020-07-79	281+17	-	281+84	IH 94 WB AT KINNEY ROAD 'RT'		64	
	281+17		282+10	IH 94 WB AT KINNEY ROAD 'LT'		90	
	281+62	-	282+05	IH 94 WB AT KINNEY ROAD 'LT'			128
	283+61	-	284+11	IH 94 WB AT KINNEY ROAD 'RT'		62	
	283+68	-	284+11	IH 94 WB AT KINNEY ROAD 'RT'			130
	283+89	-	284+11	IH 94 WB AT KINNEY ROAD 'LT'		25	
1020-07-79 Total						241	258
1020-07-80	280+59	-	281+51	IH 94 EB AT KINNEY ROAD 'LT'		90	
	280+59		281+26	IH 94 EB AT KINNEY ROAD 'RT'		64	
	281+04	-	281+46	IH 94 EB AT KINNEY ROAD 'LT'			128
	283+02	-	283+52	IH 94 EB AT KINNEY ROAD 'RT'		62	
	283+09	-	283+52	IH 94 EB AT KINNEY ROAD 'RT'			129
	283+30	-	283+52	IH 94 EB AT KINNEY ROAD 'LT'		25	
1020-07-80 Total						241	257
1020-07-81	395+56	-	395+71	IH 94 WB AT 100TH STREET 'LT'		20	60
	395+56		395+71	IH 94 WB AT 100TH STREET 'RT'		20	
	397+28	-	397+43	IH 94 WB AT 100TH STREET 'RT'			60
	397+28		397+83	IH 94 WB AT 100TH STREET 'RT'		55	
	397+28		397+85	IH 94 WB AT 100TH STREET 'LT'		52	
1020-07-81 Total						147	120
1020-07-82	383+50	-	388+62	SWEF RAMP	859		
	395+52	-	395+67	IH 94 EB AT 100TH STREET 'RT'		20	
	395+52		395+67	IH 94 EB AT 100TH STREET 'LT'		20	80
	397+23	-	397+38	IH 94 EB AT 100TH STREET 'RT'			80
	397+23		397+80	IH 94 EB AT 100TH STREET 'LT'		52	
	397+23		397+78	IH 94 EB AT 100TH STREET 'RT'		55	
1020-07-82 Total					859	147	160
Contract Total					**859**	**776**	**795**

PROJECT ID	STAGE	STATION	TO	STATION	LOCATION	511.1100 Temporary Shoring SF
1020-07-80	STAGE 3B	274+49	-	281+59	IH 94 MEDIAN EB AT KINNEY ROAD 'RT'	3,550
1020-07-80 Total						3,550
Contract Total						**3,550**

FILE NAME : C:\pwv8i-local\baker_projects\lkaufmann\d0625554\030201_mq.pptx PLOT DATE : 5/9/2024 2:46 PM PLOT BY : MICHAEL BAKER INTL PLOT NAME : PLOT SCALE : 1:1

PROJECT ID	STAGE	STATION	TO	STATION	LOCATION	455.0605 Tack Coat GAL	460.6243 HMA Pavement 3 MT 58-34 S TON	460.6244 HMA Pavement 4 MT 58-34 S TON	460.7644 HMA Pavement 4 HT 58-34 V TON	465.0125 Asphaltic Surface Temporary TON	465.0510 Asphaltic Rumble Strips, Shoulder Divided Roadway LF
1020-07-79	STAGE 1				IH 94 WB AT KINNEY ROAD	450				3,025	
	STAGE 1	270+49	-	282+33	IH 94 WB AT KINNEY ROAD 'RT'	408				2,743	
	STAGE 2	268+14	-	268+14	IH 94 WB AT KINNEY ROAD 'LT'				750		
	STAGE 2	269+00	-	281+62	IH 94 WB AT KINNEY ROAD 'LT'	683			2,870		1,262
	STAGE 2	283+74	-	294+00	IH 94 WB AT KINNEY ROAD 'RT'	559			2,350		
	STAGE 2	284+11	-	291+63	IH 94 WB AT KINNEY ROAD 'LT'						989
	STAGE 4				KINNEY ROAD	45		77			
	STAGE 4	269+00	-	281+62	IH 94 WB AT KINNEY ROAD 'RT'	154			648		1,263
	STAGE 4	283+59	-	294+00	IH 94 WB AT KINNEY ROAD 'RT'	173			725		
	STAGE 4	284+11	-	294+00	IH 94 WB AT KINNEY ROAD 'RT'						990
1020-07-79 Total						2,472	0	77	7,343	5,768	4,504
1020-07-80	STAGE 3A	256+74	-	272+47	IH 94 MEDIAN EB AT KINNEY ROAD 'LT'	177				1,192	
	STAGE 3A	296+23	-	308+35	IH 94 MEDIAN EB AT KINNEY ROAD 'LT'	116				781	
	STAGE 3B				IH 94 EB AT KINNEY ROAD	710			2,983		
	STAGE 3B	268+17	-	268+17	IH 94 EB AT KINNEY ROAD 'LT'				750		
	STAGE 3B	271+00	-	281+04	IH 94 EB AT KINNEY ROAD 'RT'						1,204
	STAGE 3B	283+02	-	294+00	IH 94 EB AT KINNEY ROAD 'RT'	641			2,692		
	STAGE 3B	283+52	-	294+00	IH 94 EB AT KINNEY ROAD 'RT'						1,048
	STAGE 4				KINNEY ROAD	45		77			
	STAGE 4	269+00	-	281+04	IH 94 EB AT KINNEY ROAD 'LT'	140			589		1,204
	STAGE 4	283+28	-	294+00	IH 94 EB AT KINNEY ROAD 'LT'	112			472		
	STAGE 4	283+52	-	294+00	IH 94 EB AT KINNEY ROAD 'LT'						1,048
1020-07-80 Total						1,941	0	77	7,486	1,973	4,504
1020-07-81	STAGE 1				IH 94 WB AT 100TH STREET	724				4,868	
	STAGE 2	386+38	-	386+38	IH 94 WB AT 100TH STREET 'LT'				750		
	STAGE 2	388+00	-	395+56	IH 94 WB AT 100TH STREET 'LT'						756
	STAGE 2	388+00		395+56	IH 94 WB AT 100TH STREET 'RT'	412			1,729		
	STAGE 2	397+43	-	407+00	IH 94 WB AT 100TH STREET 'LT'	525			2,206		958
	STAGE 4				100TH STREET	50		84			
	STAGE 4	388+00	-	395+56	IH 94 WB AT 100TH STREET 'RT'	108			454		757
	STAGE 4	397+43	-	407+00	IH 94 WB AT 100TH STREET 'RT'	154			647		957
1020-07-81 Total						1,973	0	84	5,786	4,868	3,428
1020-07-82	STAGE 3A	373+13	-	383+33	IH 94 MEDIAN EB AT 100TH STREET 'LT'	134				900	
	STAGE 3A	407+00	-	424+85	IH 94 MEDIAN EB AT 100TH STREET 'RT'	173				1,162	
	STAGE 3B	383+50	-	388+62	SWEF RAMP	99	166	111			
	STAGE 3B	386+88	-	386+88	IH 94 EB AT 100TH STREET 'RT'				750		
	STAGE 3B	388+00	-	395+52	IH 94 EB AT 100TH STREET 'LT'	706			2,964		
	STAGE 3B	389+15	-	395+52	IH 94 EB AT 100TH STREET 'RT'						753
	STAGE 3B	397+38	-	407+00	IH 94 EB AT 100TH STREET 'RT'						962
	STAGE 3B	397+38		407+00	IH 94 EB AT 100TH STREET 'LT'	702			2,949		
	STAGE 4				100TH STREET	50		84			
	STAGE 4	388+00	-	395+52	IH 94 EB AT 100TH STREET 'LT'	106			447		752
	STAGE 4	397+38	-	407+00	IH 94 EB AT 100TH STREET 'LT'	99			416		962
1020-07-82 Total						2,068	166	195	7,526	2,062	3,429
Contract Total						**8,454**	**166**	**433**	**28,141**	**14,671**	**15,865**

PERMANENT PIPES

PROJECT ID	STAGE	FROM	-	TO	LOCATION	520.8000 Concrete Collars for Pipe EACH	521.1012 Apron Endwalls for Culvert Pipe Steel 12-Inch EACH	522.1024 Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch EACH	522.1030 Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch EACH	530.0112 Culvert Pipe Corrugated Polyethylene 12-Inch LF	608.0324 Storm Sewer Pipe Reinforced Concrete Class III 24-Inch LF	608.0430 Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch LF	Inlet Elevation	Discharge Elevation	Slope Ft/Ft
1020-07-79	STAGE 2	6	-	7	KINNEY ROAD 'LT'							224	981.00	979.35	0.74%
	STAGE 2	1	-	Endwall	IH 94 WB AT KINNEY ROAD 'LT'	1		1			130		981.99	980.22	0.90%
	STAGE 2	2	-	Endwall	IH 94 WB AT KINNEY ROAD 'LT'		1			82			1003.08	973.82	35.93%
	STAGE 2	6	-	Endwall	IH 94 WB AT KINNEY ROAD 'LT'				1			52	979.35	978.00	2.58%
	STAGE 4	3	-	Endwall	IH 94 WB AT KINNEY ROAD 'RT'		1			10			1003.32	1002.81	4.91%
1020-07-79 Total						1	2	1	1	92	130	276			
1020-07-80	STAGE 3B	5	-	Endwall	IH 94 EB AT KINNEY ROAD 'RT'		1			56			1004.06	983.00	37.96%
	STAGE 3B	7	-	Endwall	IH 94 EB AT KINNEY ROAD 'RT'				1			118	982.00	981.00	0.85%
	STAGE 3B	8	-	Endwall	IH 94 EB AT KINNEY ROAD 'RT'	1		1			141		998.60	979.16	13.87%
	STAGE 4	4	-	Endwall	IH 94 EB AT KINNEY ROAD 'LT'		1			17			1004.31	1002.08	12.97%
1020-07-80 Total						1	2	1	1	73	141	118			
1020-07-81	STAGE 2	10	-	Endwall	IH 94 WB AT 100TH STREET 'RT'		1			16			1012.94	1009.11	23.31%
	STAGE 2	9	-	Endwall	IH 94 WB AT 100TH STREET 'LT'	1		1			153		999.70	992.81	4.51%
	STAGE 4	11	-	Endwall	IH 94 WB AT 100TH STREET 'RT'		1			21			1013.19	1011.29	8.84%
1020-07-81 Total						1	2	1		37	153				
1020-07-82	STAGE 3B	12	-	Endwall	IH 94 EB AT 100TH STREET 'RT'		1			86			1012.26	979.15	38.56%
	STAGE 3B	14	-	Endwall	IH 94 EB AT 100TH STREET 'RT'	1		1			134		986.95	984.85	1.57%
	STAGE 4	13	-	Endwall	IH 94 EB AT 100TH STREET 'LT'		1			16			1012.73	1011.47	5.80%
1020-07-82 Total						1	2	1		102	134				
Contract Total						4	8	4	2	304	558	394			

TEMPORARY PIPES

PROJECT ID	STAGE	FROM	-	TO	LOCATION	204.0245.01 Removing Storm Sewer 12-Inch LF	204.0245.02 Removing Storm Sewer 15-Inch LF	204.0245.03 Removing Storm Sewer 18-Inch LF	520.1012 Apron Endwalls for Culvert Pipe 12-Inch EACH	520.8000 Concrete Collars for Pipe EACH	608.3012 Storm Sewer Pipe Class III-A 12-Inch LF	608.3015 Storm Sewer Pipe Class III-A 15-Inch LF	608.3018 Storm Sewer Pipe Class III-A 18-Inch LF	Inlet Elevation	Discharge Elevation	Slope Ft/Ft
1020-07-79	STAGE 1	Extsing End Wall		End Wall	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'				1	1	50			978.36	97350	9.77%
	STAGE 1	105	-	106	IH 94 MEDIAN WB AT KINNEY ROAD	47					47			979.61	979.24	0.79%
	STAGE 1	106	-	130	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	305					305			979.24	976.09	1.03%
	STAGE 1	130	-	Existing Median Inlet	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	15					15			976.06	975.86	1.52%
	STAGE 1	129	-	Existing Median Inlet	IH 94 MEDIAN WB AT KINNEY ROAD 'RT'	31					31			978.20	975.86	7.52%
	STAGE 1	131	-	130	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'		296					296		979.14	976.09	1.03%
	STAGE 1	133	-	131	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	300					300			981.70	979.14	0.85%
	STAGE 1	134	-	133	IH 94 MEDIAN WB AT KINNEY ROAD	49					49			984.61	981.70	5.95%
	STAGE 1	135	-	Existing Median Inlet	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	24					24			984.13	982.85	5.38%
	STAGE 1	136	-	Existing Median Inlet	IH 94 MEDIAN WB AT KINNEY ROAD 'RT'	39					39			985.46	982.85	6.68%
1020-07-79 Total						810	296				860	296				
1020-07-80	STAGE 1	137	-	Existing Median Inlet	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'			24					24	999.92	998.36	6.60%
	STAGE 1	155	-	137	IH 94 MEDIAN WB AT KINNEY ROAD			46					46	1003.23	999.92	7.20%
	STAGE 1	138	-	137	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	275					275			1010.30	999.92	3.77%
	STAGE 1	156	-	138	IH 94 MEDIAN WB AT KINNEY ROAD	45					45			1014.18	1010.30	8.64%
	STAGE 1	157	-	End Wall	IH 94 MEDIAN WB AT KINNEY ROAD	49			1		47			1019.89	1015.74	8.95%
	STAGE 1	153	-	End Wall	IH 94 MEDIAN WB AT KINNEY ROAD	48			1		46			1019.26	1015.29	8.74%
	STAGE 1	151	-	Existing Median Inlet	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'			59					59	1005.30	1002.14	5.33%
1020-07-80 Total						417		129	2		413		129			
1020-07-81	STAGE 1	140	-	Existing Median Inlet	IH 94 MEDIAN WB AT 100TH STREET 'LT'			42					42	1005.86	1004.14	4.05%
	STAGE 1	150	-	140	IH 94 MEDIAN WB AT 100TH STREET			55					55	1009.24	1005.86	6.17%
	STAGE 1	142	-	140	IH 94 MEDIAN WB AT 100TH STREET 'LT'		318					318		1005.86	1007.14	0.40%
	STAGE 1	141	-	142	IH 94 MEDIAN WB AT 100TH STREET	58					58			1008.10	1007.14	1.66%
	STAGE 1	160	-	End Wall	IH 94 MEDIAN WB AT 100TH STREET	52			1		50			995.17	994.65	1.04%
1020-07-81 Total						110	318	97	1		108	318	97			
1020-07-82	STAGE 1	144	-	143	IH 94 MEDIAN WB AT 100TH STREET	53					53			1001.07	1000.24	1.56%
	STAGE 1	143	-	146	IH 94 MEDIAN WB AT 100TH STREET 'RT'		407					407		1000.24	995.82	1.09%
	STAGE 1	146	-	145	IH 94 MEDIAN WB AT 100TH STREET		47					47		995.82	993.63	4.69%
	STAGE 1	145	-	Existing Median Inlet	IH 94 MEDIAN WB AT 100TH STREET 'LT'		50					50		993.63	989.33	8.58%
	STAGE 3A	161	-	End Wall	IH 94 MEDIAN EB AT 100TH STREET	67			1		65			993.04	992.46	0.89%
1020-07-82 Total						120	504	0	1		118	504				
Contract Total						1457	1118	226	4		1499	1118	226			

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PERMANENT STRUCTURES

PROJECT ID	STAGE	STRUCTURE	STATION	OFFSET (FT)	LOCATION	611.0530 Manhole Covers Type J EACH	611.0642 Inlet Covers Type MS* EACH	611.0654 Inlet Covers Type V EACH	611.2005 Manholes 5-FT Diameter EACH	611.3220 Inlets 2x2-FT EACH	611.3902 Inlets Median 2 Grate* EACH	Rim Elevation	Invert Elevation	Depth Ft
1020-07-79	STAGE 2	2	281+32.29	24.08	IH 94 WB AT KINNEY ROAD 'LT'			1		1		1006.08	1003.08	3.00
	STAGE 2	6	282+87.64	43.05	IH 94 WB AT KINNEY ROAD 'LT'	1			1			985.61	979.35	6.26
	STAGE 4	3	281+32.29	36.08	IH 94 WB AT KINNEY ROAD 'RT'			1		1		1006.32	1003.32	3.00
	STAGE 4	1	277+05.56	47.94	IH 94 WB AT KINNEY ROAD 'RT'		2				1	993.20	981.99	11.21
1020-07-79 Total						1	2	2	1	2	1			
1020-07-80	STAGE 3B	5	280+73.70	35.40	IH 94 EB AT KINNEY ROAD 'RT'			1		1		1007.06	1004.06	3.00
	STAGE 3B	7	281+78.74	50.25	IH 94 EB AT KINNEY ROAD 'RT'	1			1			987.31	981.00	6.31
	STAGE 4	4	280+73.88	24.08	IH 94 EB AT KINNEY ROAD 'LT'			1		1		1007.31	1004.31	3.00
	STAGE 4	8	284+02.79	45.52	IH 94 EB AT KINNEY ROAD 'LT'		2				1	1009.62	998.60	11.02
1020-07-80 Total						1	2	2	1	2	1			
1020-07-81	STAGE 2	10	397+72.29	23.73	IH 94 WB AT 100TH STREET 'LT'			1		1		1015.94	1012.94	3.00
	STAGE 4	9	391+92.34	58.77	IH 94 WB AT 100TH STREET 'RT'		2				1	1012.91	999.70	13.21
	STAGE 4	11	397+70.28	35.99	IH 94 WB AT 100TH STREET RT'			1		1		1016.19	1013.19	3.00
1020-07-81 Total							2	2		2	1			
1020-07-82	STAGE 2	12	397+66.19	47.99	IH 94 EB AT 100TH STREET 'RT'			1		1		1015.26	1012.26	3.00
	STAGE 4	13	397+68.19	24.00	IH 94 EB AT 100TH STREET 'LT'			1		1		1015.73	1012.73	3.00
	STAGE 4	14	406+93.01	55.76	IH 94 EB AT 100TH STREET 'LT'		2				1	992.28	986.95	5.33
1020-07-82 Total							2	2		2	1			
Contract Total						2	8	8	2	8	4			

*ADDITIONAL QUANTITIES SHOWN ON THE NEXT SHEET

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TEMPORARY STRUCTURES

PROJECT ID	STAGE	STRUCTURE	STATION	OFFSET (FT)	LOCATION	204.0220 Removing Inlets EACH	611.0642 Inlet Covers Type MS * EACH	611.3902 Inlets Median 2 Grate EACH	611.9900.S Drain Slotted Vane EACH	Rim Elevation	Invert Elevation	Depth Ft
1020-07-79	STAGE 1	105	265+00	23.8	IH 94 MEDIAN WB AT KINNEY ROAD 'RT'	1	2	1		982.61	979.61	3
	STAGE 1	106	265+00	22.7	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	1	2	1		982.24	979.24	3
	STAGE 1	129	268+08	19.0	IH 94 MEDIAN WB AT KINNEY ROAD 'RT'	1	2	1		985.21	978.20	7.01
	STAGE 1	130	268+07	27.2	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	1	2	1		981.09	975.86	5.23
	STAGE 1	131	271+05	30.0	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	1	2	1		982.14	979.14	3
	STAGE 1	133	247+05	30.7	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	1	2	1		984.70	981.70	3
	STAGE 1	134	274+05	18.2	IH 94 MEDIAN WB AT KINNEY ROAD 'RT'	1	2	1		989.61	984.61	5
	STAGE 1	135	277+25	31.6	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	1	2	1		989.13	984.13	5
	STAGE 1	136	277+06	20.6	IH 94 MEDIAN WB AT KINNEY ROAD 'RT'	1	2	1		993.46	985.46	8
1020-07-79 Total						9	18	9				
1020-07-80	STAGE 1	137	284+24	26.5	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	1	2	1		1006.92	999.92	7
	STAGE 1	155	284+25	19.4	IH 94 MEDIAN WB AT KINNEY ROAD 'RT'	1	2	1		1010.23	1003.23	7
	STAGE 1	138	287+00	27.1	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	1	2	1		1013.30	1010.30	3
	STAGE 1	156	287+00	17.8	IH 94 MEDIAN WB AT KINNEY ROAD 'RT'	1	2	1		1017.18	1014.18	3
	STAGE 1	157	291+00	16.5	IH 94 MEDIAN WB AT KINNEY ROAD 'RT'	1	2	1		1023.03	1019.89	3.14
	STAGE 1	153	296+00	16.5	IH 94 MEDIAN WB AT KINNEY ROAD 'RT'	1	2	1		1022.26	1019.26	3
	STAGE 1	151	300+75	23.1	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	1	2	1		1011.30	1005.30	6
	STAGE 3A	160	268+06	18.5	IH 94 MEDIAN EB AT KINNEY ROAD 'RT'				1			
1020-07-80 Total						7	14	7	1			
1020-07-81	STAGE 1	140	392+25	29.5	IH 94 MEDIAN WB AT 100TH STREET 'LT'	1	2	1		1012.86	1005.86	7
	STAGE 1	150	392+25	25.3	IH 94 MEDIAN WB AT 100TH STREET 'RT'	1	2	1		1014.24	1009.24	5
	STAGE 1	141	395+43	27.5	IH 94 MEDIAN WB AT 100TH STREET 'RT'	1	2	1		1011.06	1008.10	2.96
	STAGE 1	142	395+42	30.2	IH 94 MEDIAN WB AT 100TH STREET 'LT'	1	2	1		1010.14	1007.14	3
	STAGE 1	160	410+00	23.5	IH 94 MEDIAN WB AT 100TH STREET 'LT'	1	2	1		997.17	995.17	2
1020-07-81 Total						5	10	5				
1020-07-82	STAGE 1	143	402+43	26.5	IH 94 MEDIAN WB AT 100TH STREET 'RT'	1	2	1		1004.24	1000.24	4
	STAGE 1	144	402+44	26.8	IH 94 MEDIAN WB AT 100TH STREET 'LT'	1	2	1		1004.07	1001.07	3
	STAGE 1	145	406+50	21.9	IH 94 MEDIAN WB AT 100TH STREET 'LT'	1	2	1		999.63	993.63	6
	STAGE 1	146	406+50	24.8	IH 94 MEDIAN WB AT 100TH STREET 'RT'	1	2	1		998.82	995.82	3
	STAGE 3A	161	410+50	19.0	IH 94 MEDIAN WB AT 100TH STREET 'RT'	1	2	1		995.54	993.04	2.5
1020-07-82 Total						5	10	5				
Contract Total						26	48*	26	1			

* REUSE 8 INLET COVERS TYPE MS FOR THE FINAL CONDITION

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PROJECT ID	STAGE	STATION	TO	STATION	LOCATION	603.8000 Concrete Barrier Temporary Precast Delivered LF	603.8125 Concrete Barrier Temporary Precast Installed LF	603.8500 Anchoring Concrete Barrier Temporary Precast LF	603.8505 Anchoring Concrete Barrier Temporary Precast on Bridge Decks LF
1020-07-79	STAGE 1				IH 94 WB AT KINNEY ROAD 'RT'	5,395	5,395	5,211	
	STAGE 1				KINNEY ROAD	210	210		
	STAGE 1	256+18	-	264+18	IH 94 WB AT KINNEY ROAD 'RT'	800	800	800	
	STAGE 1	281+93	-	283+77	IH 94 WB AT KINNEY ROAD 'RT'				184
	STAGE 1	302+10	-	310+10	IH 94 WB AT KINNEY ROAD 'RT'	800	800	800	
	STAGE 2	258+62	-	282+15	IH 94 MEDIAN WB AT KINNEY ROAD 'RT'	2,357	2,357	2,357	
	STAGE 2	268+09	-	282+34	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	1,424	1,424	1,424	
	STAGE 2	282+75	-	309+27	IH 94 MEDIAN WB AT KINNEY ROAD 'RT'	2,652	2,652	2,652	
	STAGE 2	282+94	-	302+01	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	1,907	1,907	1,907	
	STAGE 3A				IH 94 WB AT KINNEY ROAD 'RT'	5,431	5,431	5,246	
	STAGE 3A	281+93	-	283+77	IH 94 WB AT KINNEY ROAD 'RT'				185
1020-07-79 Total						20,976	20,976	20,397	369
1020-07-80	STAGE 1				IH 94 EB AT KINNEY ROAD	5,413	5,413	5,229	
	STAGE 1				KINNEY ROAD	210	210		
	STAGE 1				IH 94 EB AT KINNEY ROAD 'LT'				184
	STAGE 3A	255+95	-	268+45	IH 94 EB AT KINNEY ROAD 'LT'	1,250	1,250	1,250	
	STAGE 3A	295+11	-	310+11	IH 94 EB AT KINNEY ROAD 'LT'	1,500	1,500	1,500	
	STAGE 3B	261+09	-	269+79	IH 94 MEDIAN EB AT KINNEY ROAD 'LT'	868	868	868	
	STAGE 3A	295+11	-	310+11	IH 94 EB AT KINNEY ROAD 'LT'	1,500	1,500	1,500	
	STAGE 3B	261+09	-	269+79	IH 94 MEDIAN EB AT KINNEY ROAD 'LT'	868	868	868	
	STAGE 3B	266+18	-	269+79	IH 94 MEDIAN EB AT KINNEY ROAD 'RT'	352	352	352	
	STAGE 3B	294+95	-	297+40	IH 94 MEDIAN EB AT KINNEY ROAD 'RT'	244	244	244	
	STAGE 3B	294+95		304+39	IH 94 MEDIAN EB AT KINNEY ROAD 'LT'	936	936	936	
	STAGE 4				IH 94 EB AT KINNEY ROAD 'LT'	5,448	5,448	5,264	
	STAGE 4	281+93	-	283+77	IH 94 EB AT KINNEY ROAD 'LT'				184
1020-07-80 Total						16,221	16,221	15,643	368

PROJECT ID	STAGE	STATION	TO	STATION	LOCATION	603.8000 Concrete Barrier Temporary Precast Delivered LF	603.8125 Concrete Barrier Temporary Precast Installed LF	603.8500 Anchoring Concrete Barrier Temporary Precast LF	603.8505 Anchoring Concrete Barrier Temporary Precast on Bridge Decks LF
1020-07-81	STAGE 1				IH 94 WB AT 100TH STREET	4,557	4,557	4,401	
	STAGE 1				100TH STREET	210	210		
	STAGE 1	372+99	-	380+49	IH 94 WB AT 100TH STREET 'RT'	750	750	750	
	STAGE 1	395+67	-	397+23	IH 94 WB AT 100TH STREET 'RT'				156
	STAGE 1	411+06	-	418+56	IH 94 WB AT 100TH STREET 'RT'	750	750	750	
	STAGE 2	373+39	-	396+22	IH 94 MEDIAN WB AT 100TH STREET 'RT'	2,284	2,284	2,284	
	STAGE 2	385+60	-	396+22	IH 94 MEDIAN WB AT 100TH STREET 'LT'	1,062	1,062	1,062	
	STAGE 2	396+75	-	409+18	IH 94 MEDIAN WB AT 100TH STREET 'LT'	1,243	1,243	1,243	
	STAGE 2	396+75		414+21	IH 94 MEDIAN WB AT 100TH STREET 'RT'	2,046	2,046	2,046	
	STAGE 3A				IH 94 WB AT 100TH STREET 'LT'	4,919	4,919	4,763	
	STAGE 3A	395+67	-	397+23	IH 94 WB AT 100TH STREET 'LT'				156
1020-07-81 Total						17,821	17,821	17,299	312
1020-07-82	STAGE 1				IH 94 EB AT 100TH STREET 'LT'	4,560	4,560	4,403	
	STAGE 1				100TH STREET	210	210		
	STAGE 1	395+67	-	397+23	IH 94 EB AT 100TH STREET 'LT'				157
	STAGE 3A	373+10	-	380+60	IH 94 EB AT 100TH STREET 'LT'	750	750	750	
	STAGE 3A	410+15	-	422+15	IH 94 EB AT 100TH STREET 'LT'	1,200	1,200	1,200	
	STAGE 3B	379+00	-	387+05	IH 94 MEDIAN EB AT 100TH STREET 'RT'	804	804	804	
	STAGE 3B	374+92	-	387+15	IH 94 MEDIAN EB AT 100TH STREET 'LT'	1,223	1,223	1,223	
	STAGE 3B	406+56	-	410+22	IH 94 MEDIAN EB AT 100TH STREET 'RT'	365	365	365	
	STAGE 3B	406+56		419+72	IH 94 MEDIAN EB AT 100TH STREET 'LT'	1,318	1,318	1,318	
	STAGE 4				IH 94 EB AT 100TH STREET 'LT'	4,560	4,560	4,560	
	STAGE 4	395+67	-	397+23	IH 94 EB AT 100TH STREET 'LT'				156
1020-07-82 Total						14,990	14,990	14,623	313
Contract Total						**70,008**	**70,008**	**67,962**	**1,362**

Project ID	Stage	Location	614.0905 Crash Cushions Temporary	Back Width FT	Object Marking Pattern	Crash Test Level	Traffic Direction	Traffic Location	Crash Cushion Shields
1020-07-79	STAGE 1	11'K'+59 12 LT	1	4	OM-3R (W5-58R)	TL-3	Unidirectional	L	Temporary concrete barrier on shoulder
	STAGE 1	11'K'+73 12 RT	1	4	OM-3L (W5-58L)	TL-3	Unidirectional	R	Temporary concrete barrier on shoulder
	STAGE 1	310'WBX'+10 15 RT	1	4	OM-3L (W5-58L)	TL-3	Unidirectional	R	Temporary concrete barrier on shoulder
	STAGE 2	302'WBM'+00 15 LT	1	4	OM-3R (W5-58R)	TL-3	Unidirectional	L	Temporary concrete barrier on shoulder
	STAGE 2	309'WBM'+27 15 RT	1	4	OM-3L (W5-58L)	TL-3	Unidirectional	R	Temporary concrete barrier on shoulder
	STAGE 3A	311'WBX'+00 15 RT	1	4	OM-3L (W5-58L)	TL-3	Unidirectional	R	Temporary concrete barrier on shoulder

Project ID	Stage	Location	614.0905 Crash Cushions Temporary	Back Width FT	Object Marking Pattern	Crash Test Level	Traffic Direction	Traffic Location	Crash Cushion Shields
1020-07-80	STAGE 1	255'EBX'+95 15 LT	1	4	OM-3L (W5-58L)	TL-3	Unidirectional	R	Temporary concrete barrier on shoulder
	STAGE 1	9'K'+35 12 LT	1	4	OM-3L (W5-58L)	TL-3	Unidirectional	R	Temporary concrete barrier on shoulder
	STAGE 1	9'K'+49 12 RT	1	4	OM-3R (W5-58R)	TL-3	Unidirectional	L	Temporary concrete barrier on shoulder
	STAGE 3B	261'EBM'+09 15.7 LT	1	4	OM-3L (W5-58L)	TL-3	Unidirectional	R	Temporary concrete barrier on shoulder
	STAGE 3B	266'EBM'+27 15 RT	1	4	OM-3R (W5-58R)	TL-3	Unidirectional	L	Temporary concrete barrier on shoulder
	STAGE 4	256'EB'+49 15 LT	1	4	OM-3L (W5-58L)	TL-3	Unidirectional	R	Temporary concrete barrier on shoulder

Project ID	Stage	Location	614.0905 Crash Cushions Temporary	Back Width FT	Object Marking Pattern	Crash Test Level	Traffic Direction	Traffic Location	Crash Cushion Shields
1020-07-81	STAGE 1	11'X'+71 11 LT	1	4	OM-3R (W5-58R)	TL-3	Unidirectional	L	Temporary concrete barrier on shoulder
	STAGE 1	11'X'+72 11 RT	1	4	OM-3L (W5-58L)	TL-3	Unidirectional	R	Temporary concrete barrier on shoulder
	STAGE 1	418'WBX'+59 15 RT	1	4	OM-3L (W5-58L)	TL-3	Unidirectional	R	Temporary concrete barrier on shoulder
	STAGE 2	409'WBM'+13 15 LT	1	4	OM-3R (W5-58R)	TL-3	Unidirectional	L	Temporary concrete barrier on shoulder
	STAGE 2	417'WBM'+21 15 RT	1	4	OM-3L (W5-58L)	TL-3	Unidirectional	R	Temporary concrete barrier on shoulder
	STAGE 3A	422'WBX'+09 15 RT	1	4	OM-3L (W5-58L)	TL-3	Unidirectional	R	Temporary concrete barrier on shoulder

Project ID	Stage	Location	614.0905 Crash Cushions Temporary	Back Width FT	Object Marking Pattern	Crash Test Level	Traffic Direction	Traffic Location	Crash Cushion Shields
1020-07-82	STAGE 1	373'EBX'+09 15 LT	1	4	OM-3L (W5-58L)	TL-3	Unidirectional	R	Temporary concrete barrier on shoulder
	STAGE 1	9'X'+60 11 LT	1	4	OM-3L (W5-58L)	TL-3	Unidirectional	R	Temporary concrete barrier on shoulder
	STAGE 1	9'X'+60 11 RT	1	4	OM-3R (W5-58R)	TL-3	Unidirectional	L	Temporary concrete barrier on shoulder
	STAGE 3B	374'EBM'+92 15 LT	1	4	OM-3L (W5-58L)	TL-3	Unidirectional	R	Temporary concrete barrier on shoulder
	STAGE 3B	378'EBM'+99 15 RT	1	4	OM-3R (W5-58R)	TL-3	Unidirectional	L	Temporary concrete barrier on shoulder
	STAGE 4	372'EBX'+99 15 LT	1	4	OM-3L (W5-58L)	TL-3	Unidirectional	R	Temporary concrete barrier on shoulder

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PROJECT ID	STAGE	STATION	TO	STATION	LOCATION	601.0590 Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type TBTT LF
1020-07-79	STAGE 2	281+17	-	282+12	IH 94 WB AT KINNEY ROAD 'LT'	95
	STAGE 2	281+17		281+77	IH 94 WB AT KINNEY ROAD 'RT'	60
1020-07-79 Total						155
1020-07-80	STAGE 3B	280+59	-	281+53	IH 94 EB AT KINNEY ROAD 'LT'	95
	STAGE 3B	280+59		281+19	IH 94 EB AT KINNEY ROAD 'RT'	60
1020-07-80 Total						155
1020-07-81	STAGE 2	397+28	-	397+83	IH 94 WB AT 100TH STREET 'RT'	55
	STAGE 2	397+28		397+85	IH 94 WB AT 100TH STREET 'LT'	57
1020-07-81 Total						112
1020-07-82	STAGE 3B	397+23	-	397+80	IH 94 EB AT 100TH STREET 'LT'	57
	STAGE 3B	397+23		397+78	IH 94 EB AT 100TH STREET 'RT'	55
1020-07-82 Total						112
Contract Total						**534**

PROJECT ID	STAGE	STATION	LOCATION	611.0430 Reconstructing Inlets EACH	611.8115 Adjusting Inlet Covers EACH	SPV.0060.01 Reconstructing Median Inlets Special EACH
1020-07-79	STAGE 1	268+07	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'			1
	STAGE 1	277+05	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'			1
	STAGE 3A	268+06	IH 94 WB AT KINNEY ROAD 'RT'	1		
1020-07-79 Total				1		2
1020-07-80	STAGE 1	284+03	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'			1
	STAGE 1	301+28	IH 94 MEDIAN WB AT KINNEY ROAD 'RT'			1
	STAGE 3A	264+98	IH 94 MEDIAN EB AT KINNEY ROAD 'LT'		1	
	STAGE 3A	268+07	IH 94 MEDIAN EB AT KINNEY ROAD 'LT'		1	
	STAGE 3A	277+25	IH 94 MEDIAN EB AT KINNEY ROAD 'LT'		1	
1020-07-80 Total					3	2
1020-07-81	STAGE 1	391+92	IH 94 MEDIAN WB AT 100TH STREET 'LT'			1
	STAGE 2	395+43	IH 94 MEDIAN EB AT 100TH STREET 'LT'		1	
1020-07-81 Total					1	1
1020-07-82	STAGE 1	406+93	IH 94 MEDIAN WB AT 100TH STREET 'RT'			1
	STAGE 3A	395+43	IH 94 MEDIAN EB AT 100TH STREET 'RT'		1	
1020-07-82 Total					1	1
Contract Total				**1**	**5**	**6**

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PROJECT ID	STAGE	STATION	TO	STATION	LOCATION	606.0200 Riprap Medium CY	645.0120 Geotextile Type HR SY	645.0260 Geogrid Type SSR SY
1020-07-79	STAGE 1				IH 94 WB AT KINNEY ROAD	15	33	
	STAGE 1	268+06	-	268+14	IH 94 WB AT KINNEY ROAD 'LT'	5	11	
	STAGE 1	277+01	-	277+09	IH 94 WB AT KINNEY ROAD 'LT'	5	11	
	STAGE 2	276+99	-	277+06	IH 94 WB AT KINNEY ROAD 'LT'	5	11	
	STAGE 2	281+29	-	281+36	IH 94 WB AT KINNEY ROAD 'LT'	5	11	
	STAGE 2	282+43	-	282+56	IH 94 WB AT KINNEY ROAD 'LT'	5	11	
	STAGE 4	281+28	-	281+36	IH 94 WB AT KINNEY ROAD 'RT'	6	11	
1020-07-79 Total						46	99	
1020-07-80	STAGE 1	283+99	-	284+06	IH 94 EB AT KINNEY ROAD 'RT'	5	11	
	STAGE 3B	280+70	-	280+78	IH 94 EB AT KINNEY ROAD 'RT'	5	11	
	STAGE 3B	283+51	-	287+51	IH 94 EB AT KINNEY ROAD 'RT'			5,333
	STAGE 3B	283+98	-	284+06	IH 94 EB AT KINNEY ROAD 'RT'	5	11	
	STAGE 4	280+70	-	280+77	IH 94 EB AT KINNEY ROAD 'LT'	6	11	
1020-07-80 Total						21	44	5,333
1020-07-81	STAGE 1	391+88	-	391+96	IH 94 WB AT 100TH STREET 'LT'	5	11	
	STAGE 2	391+88	-	391+96	IH 94 WB AT 100TH STREET 'LT'	5	11	
	STAGE 2	397+69	-	397+76	IH 94 WB AT 100TH STREET 'LT'	5	11	
	STAGE 4	397+67	-	397+75	IH 94 WB AT 100TH STREET 'RT'	6	11	
1020-07-81 Total						21	44	
1020-07-82	STAGE 1	406+91	-	406+98	IH 94 EB AT 100TH STREET 'RT'	5	11	
	STAGE 3B	397+62	-	397+70	IH 94 EB AT 100TH STREET 'RT'	5	11	
	STAGE 3B	406+91	-	406+98	IH 94 EB AT 100TH STREET 'RT'	5	11	
	STAGE 4	397+62	-	397+72	IH 94 EB AT 100TH STREET 'LT'	7	11	
1020-07-82 Total						22	44	
Contract Total						**110**	**231**	**5,333**

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PROJECT ID	STAGE	STATION	TO	STATION	LOCATION	614.0920 Salvaged Rail LF	614.0925 Salvaged Guardrail End Treatments EACH	614.2300 MGS Guardrail 3 LF	614.2500 MGS Thrie Beam Transition LF	614.2610 MGS Guardrail Terminal EAT EACH	614.2620 MGS Guardrail Terminal Type 2 EACH
1020-07-79	STAGE 1	283+44	-	287+70	IH 94 WB AT KINNEY ROAD 'RT'	427	2				
	STAGE 1	281+82		282+20	IH 94 WB AT KINNEY ROAD 'RT'	65					
	STAGE 2	278+20	-	282+42	IH 94 WB AT KINNEY ROAD 'LT'	422	2				
	STAGE 2	283+68	-	287+82	IH 94 WB AT KINNEY ROAD 'LT'	414	2				
	STAGE 2	283+94	-	284+34	IH 94 WB AT KINNEY ROAD 'LT'				39		
	STAGE 2	284+34	-	285+97	IH 94 WB AT KINNEY ROAD 'LT'			163		1	
	STAGE 4	283+60	-	284+00	IH 94 WB AT KINNEY ROAD 'RT'				39		
	STAGE 4	284+00	-	285+62	IH 94 WB AT KINNEY ROAD 'RT'			163		1	
1020-07-79 Total						1,328	6	326	78	2	
1020-07-80	STAGE 1	277+91	-	281+82	IH 94 EB AT KINNEY ROAD 'LT'	391	2				
	STAGE 1	283+07	-	283+45	IH 94 EB AT KINNEY ROAD 'LT'	66					
	STAGE 3B	278+30	-	281+59	IH 94 EB AT KINNEY ROAD 'RT'	329	2				
	STAGE 3B	279+15	-	280+79	IH 94 EB AT KINNEY ROAD 'RT'			164		1	
	STAGE 3B	280+79	-	281+18	IH 94 EB AT KINNEY ROAD 'RT'				39		
	STAGE 3B	282+84	-	288+01	IH 94 EB AT KINNEY ROAD 'RT'	517	2				
	STAGE 3B	283+02	-	283+41	IH 94 EB AT KINNEY ROAD 'RT'				39		
	STAGE 3B	283+41	-	289+00	IH 94 EB AT KINNEY ROAD 'RT'			559			1
	STAGE 4	279+50	-	281+13	IH 94 EB AT KINNEY ROAD 'LT'			162		1	
	STAGE 4	281+13	-	281+52	IH 94 EB AT KINNEY ROAD 'LT'				39		
1020-07-80 Total						1,303	6	885	117	2	1
1020-07-81	STAGE 1	397+03	-	400+93	IH 94 WB AT 100TH STREET 'RT'	390	2				
	STAGE 1	395+93	-	395+97	IH 94 WB AT 100TH STREET 'RT'	76					
	STAGE 2	391+20	-	395+99	IH 94 WB AT 100TH STREET 'LT'	479	2				
	STAGE 2	397+04	-	407+01	IH 94 WB AT 100TH STREET 'LT'	1,053	2				
	STAGE 2	397+28	-	397+67	IH 94 WB AT 100TH STREET 'LT'				39		
	STAGE 2	397+67	-	399+30	IH 94 WB AT 100TH STREET 'LT'			163		1	
	STAGE 4	397+28	-	397+67	IH 94 WB AT 100TH STREET 'RT'				39		
	STAGE 4	397+67	-	399+31	IH 94 WB AT 100TH STREET 'RT'			164		1	
1020-07-81 Total						1,998	6	327	78	2	
1020-07-82	STAGE 1	390+78	-	395+94	IH 94 EB AT 100TH STREET 'LT'	516	2				
	STAGE 1	396+99	-	397+03	IH 94 EB AT 100TH STREET 'LT'	78					
	STAGE 3B	389+13	-	395+92	IH 94 EB AT 100TH STREET 'RT'	586	2				
	STAGE 3B	392+24	-	395+28	IH 94 EB AT 100TH STREET 'RT'			251		1	
	STAGE 3B	395+28	-	395+67	IH 94 EB AT 100TH STREET 'RT'				39		
	STAGE 4	393+64	-	395+28	IH 94 EB AT 100TH STREET 'LT'			164		1	
	STAGE 4	395+28	-	395+67	IH 94 EB AT 100TH STREET 'LT'				39		
1020-07-82 Total						1,180	4	415	78	2	
Contract Total						**5,809**	**22**	**1,953**	**351**	**8**	**1**

PROJECT ID	STATION	TO	STATION	LOCATION	616.0100 Fence Woven Wire (4-FT) LF
1020-07-79	275+78	-	283+09	IH 94 WB AT KINNEY ROAD 'LT'	914
	281+86	-	282+11	IH 94 WB AT KINNEY ROAD 'RT'	54
	283+59	-	286+46	IH 94 WB AT KINNEY ROAD 'LT'	328
1020-07-79 Total					1,296
1020-07-80	280+73	-	281+50	IH 94 EB AT KINNEY ROAD 'RT'	142
	282+12	-	282+76	IH 94 EB AT KINNEY ROAD 'RT'	130
	283+00	-	283+25	IH 94 EB AT KINNEY ROAD 'LT'	51
1020-07-80 Total					323
1020-07-81	390+50	-	396+08	IH 94 WB AT 100TH STREET 'LT'	641
	395+91	-	396+05	IH 94 WB AT 100TH STREET 'RT'	65
	396+97	-	397+34	IH 94 WB AT 100TH STREET 'LT'	79
	400+10	-	404+86	IH 94 WB AT 100TH STREET 'LT'	485
1020-07-81 Total					1,270
1020-07-82	391+59	-	392+99	IH 94 EB AT 100TH STREET 'RT'	140
	396+92	-	397+05	IH 94 EB AT 100TH STREET 'LT'	66
	396+95	-	399+44	IH 94 EB AT 100TH STREET 'RT'	345
1020-07-82 Total					551
Contract Total					**3,440**

PROJECT ID	STAGE	STATION	LOCATION	628.7005 Inlet Protection Type A EACH	628.7020 Inlet Protection Type D EACH
1020-07-79	STAGE 1	265+00	IH 94 MEDIAN WB AT KINNEY ROAD 'RT'	1	
	STAGE 1	265+00	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	1	
	STAGE 1	268+08	IH 94 MEDIAN WB AT KINNEY ROAD 'RT'		1
	STAGE 1	268+07	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	1	
	STAGE 1	271+05	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	1	
	STAGE 1	274+05	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	1	
	STAGE 1	274+05	IH 94 MEDIAN WB AT KINNEY ROAD 'RT'		1
	STAGE 1	277+25	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	1	
	STAGE 1	277+06	IH 94 MEDIAN WB AT KINNEY ROAD 'RT'		1
	STAGE 4	268+08	IH 94 WB AT KINNEY ROAD 'RT'	1	
	STAGE 4	277+04	IH 94 WB AT KINNEY ROAD 'RT'	1	
1020-07-79 Total				8	3
1020-07-80	STAGE 1	284+24	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	1	
	STAGE 1	284+25	IH 94 MEDIAN WB AT KINNEY ROAD 'RT'		1
	STAGE 1	287+00	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	1	
	STAGE 1	287+00	IH 94 MEDIAN WB AT KINNEY ROAD 'RT'		1
	STAGE 1	291+00	IH 94 MEDIAN WB AT KINNEY ROAD 'RT'		1
	STAGE 1	296+00	IH 94 MEDIAN WB AT KINNEY ROAD 'RT'		1
	STAGE 1	300+75	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	1	
	STAGE 1	306+02	IH 94 MEDIAN WB AT KINNEY ROAD 'RT'	1	
	STAGE 4	284+03	IH 94 EB AT KINNEY ROAD 'LT'	1	
1020-07-80 Total				5	4
1020-07-81	STAGE 1	392+25	IH 94 MEDIAN WB AT 100TH STREET 'LT'	1	
	STAGE 1	392+25	IH 94 MEDIAN WB AT 100TH STREET 'RT'	1	
	STAGE 1	395+43	IH 94 MEDIAN WB AT 100TH STREET 'RT'	1	
	STAGE 1	395+42	IH 94 MEDIAN WB AT 100TH STREET 'LT'	1	
	STAGE 3A	411+00	IH 94 WB AT 100TH STREET 'RT'	1	
	STAGE 4	391+93	IH 94 WB AT 100TH STREET 'RT'	1	
1020-07-81 Total				6	
1020-07-82	STAGE 1	402+43	IH 94 MEDIAN WB AT 100TH STREET 'RT'	1	
	STAGE 1	402+44	IH 94 MEDIAN WB AT 100TH STREET 'LT'	1	
	STAGE 1	406+50	IH 94 MEDIAN WB AT 100TH STREET 'LT'	1	
	STAGE 1	406+50	IH 94 MEDIAN WB AT 100TH STREET 'RT'	1	
	STAGE 1	410+00	IH 94 EB AT 100TH STREET 'LT'	1	
	STAGE 4	406+50	IH 94 EB AT 100TH STREET 'LT'	1	
1020-07-82 Total				6	
Contract Total				**25**	**7**

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PROJECT ID	STAGE	STATION	TO	STATION	LOCATION	628.7504 Temporary Ditch Checks LF	628.7555 Culvert Pipe Checks EACH	628.7560 Tracking Pads EACH	628.7570 Rock Bags EACH
1020-07-79	STAGE 1	274+52	-	281+49	IH 94 WB AT KINNEY ROAD 'RT'	70			
	STAGE 1	284+14	-	293+08	IH 94 WB AT KINNEY ROAD 'RT'	89			
	STAGE 2	271+21	-	280+02	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	88			
	STAGE 2	271+49	-	273+82	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	23			
	STAGE 2	275+47	-	276+91	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	15			
	STAGE 2	277+00	-	277+00	IH 94 WB AT KINNEY ROAD 'LT'		3		
	STAGE 2	279+30	-	281+30	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	20			
	STAGE 2	281+62	-	281+62	IH 94 WB AT KINNEY ROAD 'LT'			1	
	STAGE 2	282+56	-	282+56	IH 94 WB AT KINNEY ROAD 'LT'		3		
	STAGE 2	283+96	-	283+96	IH 94 WB AT KINNEY ROAD 'LT'			1	
	STAGE 2	284+05	-	285+51	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	15			
	STAGE 2	285+76	-	286+89	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	12			
	STAGE 2	288+23	-	292+18	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	40			
1020-07-79 Total						372	6	2	
1020-07-80	STAGE 3B	271+78	-	275+54	IH 94 MEDIAN EB AT KINNEY ROAD 'RT'	38			
	STAGE 3B	279+25	-	280+41	IH 94 MEDIAN EB AT KINNEY ROAD 'RT'	12			
	STAGE 3B	280+72	-	280+72	IH 94 EB AT KINNEY ROAD 'RT'		3		
	STAGE 3B	280+93	-	280+93	IH 94 EB AT KINNEY ROAD 'RT'			1	
	STAGE 3B	283+12	-	283+12	IH 94 EB AT KINNEY ROAD 'RT'			1	
	STAGE 3B	284+00	-	284+00	IH 94 EB AT KINNEY ROAD 'LT'		3		
	STAGE 3B	284+12	-	284+12	IH 94 MEDIAN EB AT KINNEY ROAD 'RT'				17
	STAGE 3B	285+06	-	289+98	IH 94 MEDIAN EB AT KINNEY ROAD 'LT'	52			
1020-07-80 Total						102	6	2	17
1020-07-81	STAGE 1	383+29	-	395+29	IH 94 WB AT 100TH STREET 'RT'	207			
	STAGE 1	397+40	-	406+18	IH 94 WB AT 100TH STREET 'RT'	244			
	STAGE 2	389+78	-	392+49	IH 94 MEDIAN WB AT 100TH STREET 'LT'	28			
	STAGE 2	391+90	-	391+92	IH 94 WB AT 100TH STREET 'LT'		3		
	STAGE 2	394+90	-	396+90	IH 94 MEDIAN WB AT 100TH STREET 'LT'	20			
	STAGE 2	395+56	-	395+56	IH 94 WB AT 100TH STREET 'LT'			1	
	STAGE 2	397+19	-	397+19	IH 94 WB AT 100TH STREET 'LT'			1	
	STAGE 2	398+99	-	400+30	IH 94 MEDIAN WB AT 100TH STREET 'LT'	14			
	STAGE 2	403+21	-	403+21	IH 94 MEDIAN WB AT 100TH STREET 'LT'				17
	STAGE 2	405+57	-	406+50	IH 94 MEDIAN WB AT 100TH STREET 'LT'	103			
1020-07-81 Total						616	3	2	17
1020-07-82	STAGE 1	397+37	-	405+71	IH 94 EB AT 100TH STREET 'LT'	159			
	STAGE 3B	383+50	-	388+62	SWEF RAMP	512			
	STAGE 3B	395+49	-	395+49	IH 94 EB AT 100TH STREET 'RT'			1	
	STAGE 3B	397+21	-	397+21	IH 94 EB AT 100TH STREET 'RT'			1	
	STAGE 3B	399+47	-	406+41	IH 94 MEDIAN EB AT 100TH STREET 'RT'	227			
	STAGE 3B	400+81	-	406+28	IH 94 MEDIAN EB AT 100TH STREET 'LT'	55			
	STAGE 3B	406+92	-	406+92	IH 94 EB AT 100TH STREET 'LT'		3		
1020-07-82 Total						953	3	2	
Contract Total						**2,043**	**18**	**8**	**34**

PROJECT ID	STAGE	STATION	TO	STATION	LOCATION	628.1504 Silt Fence LF	628.1520 Silt Fence Maintenance LF	628.1905 Mobilizations Erosion Control EACH	628.1910 Mobilizations Emergency Erosion Control EACH	628.2002 Erosion Mat Class I Type A SY	628.2031 Erosion Mat Class III Type A SY
1020-07-79	STAGE 1				IH 94 WB AT KINNEY ROAD					5,304	
	STAGE 1	285+91	-	299+71	IH 94 WB AT KINNEY ROAD 'RT'					5,160	
	STAGE 2	268+14	-	268+14	IH 94 WB AT KINNEY ROAD 'LT'			23	14		
	STAGE 2	269+00	-	283+51	IH 94 WB AT KINNEY ROAD 'LT'					13,745	
	STAGE 2	276+99	-	281+50	IH 94 WB AT KINNEY ROAD 'LT'	463	2,779				
	STAGE 2	283+15	-	294+00	IH 94 WB AT KINNEY ROAD 'LT'					5,305	
	STAGE 4	269+00	-	282+51	IH 94 WB AT KINNEY ROAD 'RT'					8,802	
	UNDISTRIBUTED				IH 94 WB AT KINNEY ROAD 'LT'	116	116				
1020-07-79 Total						579	2,895	23	14	38,316	
1020-07-80	STAGE 3B	268+17	-	268+17	IH 94 EB AT KINNEY ROAD 'LT'			23	14		
	STAGE 3B	269+00	-	281+93	IH 94 EB AT KINNEY ROAD 'RT'					11,695	
	STAGE 3B	281+65	-	288+53	IH 94 EB AT KINNEY ROAD 'RT'						5,680
	STAGE 3B	284+72	-	288+01	IH 94 EB AT KINNEY ROAD 'RT'	352	2,113				
	STAGE 3B	288+53	-	294+00	IH 94 EB AT KINNEY ROAD 'RT'					4,151	3,092
	STAGE 4	282+57	-	294+01	IH 94 EB AT KINNEY ROAD 'LT'					7,221	
	UNDISTRIBUTED				IH 94 EB AT KINNEY ROAD 'RT'	88	88				
1020-07-80 Total						440	2,201	23	14	23,067	8,772
1020-07-81	STAGE 1				IH 94 WB AT 100TH STREET					5,305	
	STAGE 1	397+25	-	406+96	IH 94 WB AT 100TH STREET 'RT'					3,661	
	STAGE 2	386+38	-	386+38	IH 94 WB AT 100TH STREET 'LT'			23	14		
	STAGE 2	388+00	-	396+42	IH 94 WB AT 100TH STREET 'LT'					6,884	
	STAGE 2	393+00	-	395+71	IH 94 WB AT 100TH STREET 'LT'	284	1,704				
	STAGE 2	396+63	-	407+00	IH 94 WB AT 100TH STREET 'LT'					6,754	
	STAGE 2	399+50	-	404+50	IH 94 WB AT 100TH STREET 'LT'	510	3,057				
	STAGE 4	388+00	-	396+38	IH 94 WB AT 100TH STREET 'RT'					6,676	
	UNDISTRIBUTED				IH 94 WB AT 100TH STREET 'LT'	198	198				
1020-07-81 Total						992	4,959	23	14	29,280	
1020-07-82	STAGE 1				IH 94 EB AT 100TH STREET					8,095	
	STAGE 3B	383+50	-	388+62	SWEF RAMP					3,428	
	STAGE 3B	386+88	-	386+88	IH 94 EB AT 100TH STREET 'RT'			23	14		
	STAGE 3B	388+00	-	396+34	IH 94 EB AT 100TH STREET 'RT'					4,690	
	STAGE 3B	392+00	-	396+31	IH 94 EB AT 100TH STREET 'RT'	431	2,586				
	STAGE 3B	396+52	-	407+00	IH 94 EB AT 100TH STREET 'RT'					5,985	
	STAGE 3B	397+23	-	400+12	IH 94 EB AT 100TH STREET 'RT'	297	1,780				
	STAGE 4	396+58	-	407+00	IH 94 EB AT 100TH STREET 'LT'					8,362	
	UNDISTRIBUTED				IH 94 EB AT 100TH STREET 'RT'	193	193				
1020-07-82 Total						921	4,559	23	14	30,560	
Contract Total						**2,932**	**14,614**	**92**	**56**	**121,223**	**8,772**

PROJECT ID	STAGE	STATION	TO	STATION	LOCATION	624.0100 Water MGAL	625.0500 Salvaged Topsoil SY	627.0200 Mulching SY	628.6510 Soil Stabilizer Type B ACRE	629.0210 Fertilizer Type B CWT	630.0130 Seeding Mixture No. 30 LB	630.0200 Seeding Temporary LB	630.0500 Seed Water MGAL
1020-07-79	STAGE 1				IH 94 WB AT KINNEY ROAD			6,620					
	STAGE 2	269+00	-	283+51	IH 94 WB AT KINNEY ROAD 'LT'		13,745			9	247		617
	STAGE 2	269+00	-	294+00	IH 94 WB AT KINNEY ROAD 'RT'	734							
	STAGE 2	283+15	-	294+00	IH 94 WB AT KINNEY ROAD 'LT'		8,256			5	149		371
	STAGE 4	269+00	-	282+51	IH 94 WB AT KINNEY ROAD 'RT'		8,802			6	158		395
	UNDISTRIBUTED				IH 94 WB AT KINNEY ROAD							14	
	UNDISTRIBUTED				IH 94 WB AT KINNEY ROAD 'RT'				0.02			14	
	UNDISTRIBUTED				IH 94 WB AT KINNEY ROAD 'LT'				0.05				
1020-07-79 Total						734	30,803	6,620	0.07	20	554	28	1,383
1020-07-80	STAGE 1				IH 94 EB AT KINNEY ROAD			7,037					
	STAGE 3B	269+00	-	281+93	IH 94 EB AT KINNEY ROAD 'RT'		12,021			8	216		540
	STAGE 3B	269+00	-	294+00	IH 94 EB AT KINNEY ROAD 'LT'	889							
	STAGE 3B	281+65	-	288+53	IH 94 EB AT KINNEY ROAD 'RT'		7,675			5	138		344
	STAGE 3B	288+53	-	294+00	IH 94 EB AT KINNEY ROAD 'RT'		6,235			4	112		280
	STAGE 4	282+57	-	294+01	IH 94 EB AT KINNEY ROAD 'LT'		7,229			5	130		324
	UNDISTRIBUTED				IH 94 EB AT KINNEY ROAD 'RT'				0.05				
	UNDISTRIBUTED				IH 94 EB AT KINNEY ROAD 'LT'				0.01				
1020-07-80 Total						889	33,160	7,037	0.06	22	596		1,488
1020-07-81	STAGE 1				IH 94 WB AT 100TH STREET			5,809					
	STAGE 2	387+99	-	407+02	IH 94 WB AT 100TH STREET 'RT'	570							
	STAGE 2	388+00	-	396+42	IH 94 WB AT 100TH STREET 'LT'		6,884			4	124		309
	STAGE 2	396+63	-	407+00	IH 94 WB AT 100TH STREET 'LT'		6,754			4	122		303
	STAGE 4	388+00	-	396+38	IH 94 WB AT 100TH STREET 'RT'		6,673			4	120		300
	UNDISTRIBUTED				IH 94 WB AT 100TH STREET							14	
	UNDISTRIBUTED				IH 94 WB AT 100TH STREET 'LT'				0.02				
	UNDISTRIBUTED				IH 94 WB AT 100TH STREET 'RT'				0.01			10	
1020-07-81 Total						570	20,311	5,809	0.03	12	366	24	912
1020-07-82	STAGE 1				IH 94 EB AT 100TH STREET			9,498					
	STAGE 3B	383+50	-	388+62	SWEF RAMP	110	3,428			2	62		154
	STAGE 3B	387+99	-	407+00	IH 94 EB AT 100TH STREET 'LT'	555							
	STAGE 3B	388+00	-	396+34	IH 94 EB AT 100TH STREET 'RT'		4,690			4	120		300
	STAGE 3B	396+52	-	407+00	IH 94 EB AT 100TH STREET 'RT'		5,985			4	122		304
	STAGE 4	396+58	-	407+00	IH 94 EB AT 100TH STREET 'LT'		8,391			5	151		377
	UNDISTRIBUTED				SWEF RAMP				0.01			9	
	UNDISTRIBUTED				IH 94 EB AT 100TH STREET							22	
	UNDISTRIBUTED				IH 94 EB AT 100TH STREET 'RT'				0.02				
	UNDISTRIBUTED				IH 94 EB AT 100TH STREET 'LT'				0.02				
1020-07-82 Total						665	22,494	9,498	0.05	15	455	31	1,135
Contract Total						**2,858**	**106,768**	**28,964**	**0.21**	**69**	**1,971**	**83**	**4,918**

PROJECT ID	STATION	TO	STATION	LOCATION	633.0100 Delineator Posts Steel EACH	633.0500 Delineator Reflectors EACH	633.1100 Delineators Temporary EACH	633.5100 Markers ROW EACH	633.5200 Markers Culvert End EACH
1020-07-79				IH 94 WB AT KINNEY ROAD	3	3			
	257+74	-	269+00	IH 94 MEDIAN EB AT KINNEY ROAD 'LT'			22		
	269+00	-	282+11	IH 94 WB AT KINNEY ROAD 'LT'	3	3			
	275+79	-	275+79	IH 94 WB AT KINNEY ROAD 'LT'				1	
	277+00	-	277+00	IH 94 WB AT KINNEY ROAD 'LT'					1
	277+25	-	277+25	IH 94 WB AT KINNEY ROAD 'LT'				1	
	282+56	-	282+56	IH 94 WB AT KINNEY ROAD 'LT'					1
	284+60	-	284+60	IH 94 WB AT KINNEY ROAD 'LT'				1	
	286+46	-	286+46	IH 94 WB AT KINNEY ROAD 'LT'				2	
	297+35	-	307+75	IH 94 MEDIAN EB AT KINNEY ROAD 'LT'			21		
1020-07-79 Total					6	6	43	5	2
1020-07-80				IH 94 EB AT KINNEY ROAD	3	3			
				IH 94 MEDIAN WB AT KINNEY ROAD			20		
	255+71	-	264+65	IH 94 MEDIAN WB AT KINNEY ROAD 'RT'			18		
	280+72	-	280+72	IH 94 EB AT KINNEY ROAD 'RT'					1
	283+01	-	294+00	IH 94 EB AT KINNEY ROAD 'RT'	3	3			
	284+00	-	284+00	IH 94 EB AT KINNEY ROAD 'LT'					1
1020-07-80 Total					6	6	49		2
1020-07-81	372+82	-	385+59	IH 94 MEDIAN WB AT 100TH STREET 'RT'			27		
	409+13	-	420+00	IH 94 MEDIAN WB AT 100TH STREET 'RT'			22		
	388+00	-	395+71	IH 94 WB AT 100TH STREET 'LT'	2	2			
	390+50	-	390+50	IH 94 WB AT 100TH STREET 'LT'				1	
	391+90	-	391+92	IH 94 WB AT 100TH STREET 'LT'					1
	391+97	-	391+97	IH 94 WB AT 100TH STREET 'LT'				1	
	393+45	-	393+45	IH 94 WB AT 100TH STREET 'LT'				1	
	394+88	-	394+88	IH 94 WB AT 100TH STREET 'LT'				1	
	397+28	-	407+00	IH 94 WB AT 100TH STREET 'LT'	2	2			
	402+47	-	402+47	IH 94 WB AT 100TH STREET 'LT'				1	
	403+45	-	403+45	IH 94 WB AT 100TH STREET 'LT'				1	
	404+86	-	404+86	IH 94 WB AT 100TH STREET 'LT'				1	
1020-07-81 Total					4	4	43	7	1
1020-07-82				IH 94 MEDIAN EB AT 100TH STREET			24		
	383+50	-	388+62	SWEF RAMP	5	5			
	388+00	-	395+69	IH 94 EB AT 100TH STREET 'RT'	2	2			
	391+47	-	391+47	IH 94 EB AT 100TH STREET 'RT'				1	
	391+48	-	391+48	IH 94 EB AT 100TH STREET 'RT'				1	
	395+60	-	395+60	IH 94 EB AT 100TH STREET 'RT'				1	
	397+18	-	397+18	IH 94 EB AT 100TH STREET 'RT'				1	
	397+23	-	407+00	IH 94 EB AT 100TH STREET 'RT'	2	2			
	399+44	-	399+44	IH 94 EB AT 100TH STREET 'RT'				1	
	406+92	-	406+92	IH 94 EB AT 100TH STREET 'LT'					1
	410+22	-	424+04	IH 94 MEDIAN EB AT 100TH STREET 'LT'			28		
1020-07-82 Total					9	9	52	5	1
Contract Total					**25**	**25**	**187**	**17**	**6**

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PROJECT ID	STAGE	LOCATION	DAYS	643.0300 Traffic Control Drums DAY	643.0715 Traffic Control Warning Lights Type C DAY	643.0800 Traffic Control Arrow Boards DAY	REMARKS
1020-07-79	STAGE 1	IH 94 WB AT KINNEY ROAD	15	1,425	255	30	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
	STAGE 1	IH 94 WB AT KINNEY ROAD	71	2,130		71	
	STAGE 1	KINNEY ROAD	71	213			
	STAGE 2	IH 94 WB AT KINNEY ROAD	144	8,640	2,880		
	STAGE 2	IH 94 EB AT KINNEY ROAD	144	4,320		144	
	STAGE 2	KINNEY ROAD	144	864			
	STAGE 3A	IH 94 WB AT KINNEY ROAD	10	950	170	20	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
	STAGE 3A	IH 94 WB AT KINNEY ROAD	40	1,400		40	
	STAGE 3A	KINNEY ROAD	40	120			
	STAGE 4	IH 94 WB AT KINNEY ROAD	10	950	170	20	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
	STAGE 4	IH 94 WB AT KINNEY ROAD	43	1,075		43	
	STAGE 4	KINNEY ROAD	43	129			
1020-07-79 Total				22,216	3,475	368	
1020-07-80	STAGE 1	IH 94 EB AT KINNEY ROAD	15	1,425	255	30	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
	STAGE 1	IH 94 EB AT KINNEY ROAD	71	2,130		71	
	STAGE 1	KINNEY ROAD	71	213			
	STAGE 3A	IH 94 EB AT KINNEY ROAD	10	950	170	20	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
	STAGE 3A	IH 94 EB AT KINNEY ROAD	40	1,200		40	
	STAGE 3A	KINNEY ROAD	40	120			
	STAGE 3B	IH 94 EB AT KINNEY ROAD	138	10,212	5,382		
	STAGE 3B	IH 94 WB AT KINNEY ROAD	138	4,830		138	
	STAGE 3B	KINNEY ROAD	138	828			
	STAGE 4	IH 94 EB AT KINNEY ROAD	10	950	170	20	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
	STAGE 4	IH 94 EB AT KINNEY ROAD	43	1,075		43	
	STAGE 4	KINNEY ROAD	43	129			
1020-07-80 Total				24,062	5,977	362	

PROJECT ID	STAGE	LOCATION	DAYS	643.0300 Traffic Control Drums DAY	643.0715 Traffic Control Warning Lights Type C DAY	643.0800 Traffic Control Arrow Boards DAY	REMARKS
1020-07-81	STAGE 1	IH 94 WB AT 100TH STREET	15	1,290	255	30	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
	STAGE 1	IH 94 WB AT 100TH STREET	71	2,130			
	STAGE 1	100TH STREET	71	213			
	STAGE 2	IH 94 WB AT 100TH STREET	144	9,360	3,168	144	
	STAGE 2	IH 94 EB AT 100TH STREET	144	4,320			
	STAGE 2	100TH STREET	144	864			
	STAGE 3A	IH 94 WB AT 100TH STREET	10	860	170	20	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
	STAGE 3A	IH 94 WB AT 100TH STREET	40	1,520		40	
	STAGE 3A	100TH STREET	40	120			
	STAGE 4	IH 94 WB AT 100TH STREET	10	860	170	20	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
	STAGE 4	IH 94 WB AT 100TH STREET	43	1,505		43	
	STAGE 4	100TH STREET	43	129			
1020-07-81 Total				23,171	3,763	297	
1020-07-82	STAGE 1	IH 94 EB AT 100TH STREET	15	1,290	255	30	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
	STAGE 1	IH 94 EB AT 100TH STREET	71	2,130		71	
	STAGE 1	100TH STREET	71	213			
	STAGE 3A	IH 94 EB AT 100TH STREET	10	860	170	20	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
	STAGE 3A	IH 94 EB AT 100TH STREET	40	1,200		40	
	STAGE 3A	100TH STREET	40	120			
	STAGE 3B	IH 94 EB AT SWEF	138	4,416	4,416		
	STAGE 3B	IH 94 EB AT 100TH STREET	138	7,728	4,830		
	STAGE 3B	IH 94 WB AT 100TH STREET	138	4,830		138	
	STAGE 3B	100TH STREET	138	828			
	STAGE 4	IH 94 EB AT 100TH STREET	10	860	170	20	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
	STAGE 4	IH 94 EB AT 100TH STREET	43	1,505		43	
	STAGE 4	100TH STREET	43	129			
1020-07-82 Total				26,109	9,841	362	
Contract Total				**95,558**	**23,056**	**1,389**	

PROJECT ID	STAGE	LOCATION	DAYS	643.0420 Traffic Control Barricades Type III DAY	643.0705 Traffic Control Warning Lights Type A DAY	REMARKS
1020-07-79	STAGE 1	IH 94 WB AT KINNEY ROAD	15	15	30	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
	STAGE 2	IH 94 MEDIAN WB AT KINNEY ROAD	144	864	576	
	STAGE 3A	IH 94 WB AT KINNEY ROAD	10	10	20	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
	STAGE 4	IH 94 WB AT KINNEY ROAD	10	10	20	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
1020-07-79 Total				899	646	
1020-07-80	STAGE 1	IH 94 EB AT KINNEY ROAD	15	15	30	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
	STAGE 3A	IH 94 EB AT KINNEY ROAD	10	10	20	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
	STAGE 3B	IH 94 MEDIAN EB AT KINNEY ROAD	138	828	552	
	STAGE 4	IH 94 EB AT KINNEY ROAD	5	5	10	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
1020-07-80 Total				858	612	
1020-07-81	STAGE 1	IH 94 WB AT 100TH STREET	15	15	30	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
	STAGE 2	IH 94 MEDIAN WB AT 100TH STREET	144	864	576	
	STAGE 3A	IH 94 WB AT 100TH STREET	10	10	20	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
	STAGE 4	IH 94 WB AT 100TH STREET	10	10	20	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
1020-07-81 Total				899	646	
1020-07-82	STAGE 1	IH 94 EB AT 100TH STREET	15	15	30	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
	STAGE 3A	IH 94 EB AT 100TH STREET	10	30	20	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
	STAGE 3B	IH 94 EB AT SWEF	138	552	552	
	STAGE 3B	IH 94 MEDIAN EB AT 100TH STREET	138	828	552	
	STAGE 4	IH 94 EB AT 100TH STREET	10	10	20	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
1020-07-82 Total				1,435	1,174	
Contract Total				**4,091**	**3,078**	

3

PROJECT ID	STAGE	LOCATION	DAYS	638.2102 Moving Signs Type II EACH	638.4000 Moving Small Sign Supports EACH	643.0900 Traffic Control Signs DAY	REMARKS
1020-07-79	STAGE 1	IH 94 WB AT KINNEY ROAD	15			135	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
	STAGE 1	IH 94 WB AT KINNEY ROAD	71			710	
	STAGE 1	KINNEY ROAD	71			324	
	STAGE 2	IH 94 WB AT KINNEY ROAD	144			2,016	
	STAGE 2	IH 94 EB AT KINNEY ROAD	144			1,728	
	STAGE 2	KINNEY ROAD	144			762	
	STAGE 3A	IH 94 WB AT KINNEY ROAD	10			90	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
	STAGE 3A	IH 94 WB AT KINNEY ROAD	40			640	
	STAGE 3A	KINNEY ROAD	40			102	
	STAGE 4	IH 94 WB AT KINNEY ROAD	10			90	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
	STAGE 4	IH 94 WB AT KINNEY ROAD	43			688	
	STAGE 4	KINNEY ROAD	43			108	
1020-07-79 Total				0	0	7,393	
1020-07-80	STAGE 1	IH 94 EB AT KINNEY ROAD	15			135	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
	STAGE 1	IH 94 EB AT KINNEY ROAD	71			852	
	STAGE 1	KINNEY ROAD	71			324	
	STAGE 3A	IH 94 EB AT KINNEY ROAD	10			90	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
	STAGE 3A	IH 94 EB AT KINNEY ROAD	40			480	
	STAGE 3A	KINNEY ROAD	40			102	
	STAGE 3B	IH 94 EB AT KINNEY ROAD	138			2,208	
	STAGE 3B	IH 94 WB AT KINNEY ROAD	138			2,208	
	STAGE 3B	KINNEY ROAD	138			582	
	STAGE 4	IH 94 EB AT KINNEY ROAD	10			90	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
	STAGE 4	IH 94 EB AT KINNEY ROAD	43			774	
	STAGE 4	KINNEY ROAD	43			108	
1020-07-80 Total				0	0	7,953	

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PROJECT ID	STAGE	LOCATION	DAYS	638.2102 Moving Signs Type II EACH	638.4000 Moving Small Sign Supports EACH	643.0900 Traffic Control Signs DAY	REMARKS
1020-07-81	STAGE 1	IH 94 WB AT 100TH STREET	15			135	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
	STAGE 1	IH 94 WB AT 100TH STREET	71			852	
	STAGE 1	100TH STREET	71			324	
	STAGE 2	IH 94 WB AT 100TH STREET	144			1,728	
	STAGE 2	IH 94 EB AT 100TH STREET	144			2,016	
	STAGE 2	100TH STREET	144			762	
	STAGE 3A	IH 94 WB AT 100TH STREET	10			90	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
	STAGE 3A	IH 94 WB AT 100TH STREET	40			640	
	STAGE 3A	100TH STREET	40			102	
	STAGE 4	IH 94 WB AT 100TH STREET	10			90	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
	STAGE 4	IH 94 WB AT 100TH STREET	43			774	
	STAGE 4	100TH STREET	43			156	
1020-07-81 Total				0	0	7,669	
1020-07-82	STAGE 1	IH 94 EB AT 100TH STREET	15			135	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
	STAGE 1	IH 94 EB AT 100TH STREET	71			852	
	STAGE 1	100TH STREET	71			324	
	STAGE 3A	IH 94 EB AT 100TH STREET	10			90	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
	STAGE 3A	IH 94 EB AT 100TH STREET	40			560	
	STAGE 3A	100TH STREET	40			102	
	STAGE 3B	IH 94 EB AT SWEF	138	2	2	1,380	
	STAGE 3B	IH 94 EB AT 100TH STREET	138			1,932	
	STAGE 3B	IH 94 WB AT 100TH STREET	138			2,484	
	STAGE 3B	100TH STREET	138			444	
	STAGE 4	IH 94 EB AT 100TH STREET	10			90	TRAFFIC CONTROL FOR INTERIM LANE CLOSURES
	STAGE 4	IH 94 EB AT 100TH STREET	43			688	
	STAGE 4	100TH STREET	43			156	
1020-07-82 Total				2	2	9,237	
Contract Total				**2**	**2**	**32,252**	

Project ID	Stage	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II		
		Each	Number of Cycles	Number of Signs
1020-07-82	Stage 3B	2	1	2

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PROJECT ID	STAGE	DAYS	643.1051 Traffic Control Signs PCMS with Cellular Communications DAY	SPV.0045.01 Digital Speed Reduction System DAY
1020-07-79	PRE-WARNING	7	7	
	STAGE 1	71	71	142
	STAGE 2	144	288	576
	STAGE 3A	40	40	80
	STAGE 4	43	43	86
1020-07-79 Total			449	884
1020-07-80	PRE-WARNING	7	7	
	STAGE 1	71	71	142
	STAGE 3A	40	40	80
	STAGE 3B	138	276	552
	STAGE 4	43	43	86
1020-07-80 Total			437	860
1020-07-81	PRE-WARNING	7	7	
	STAGE 1	71	71	142
	STAGE 2	144	288	576
	STAGE 3A	40	40	80
	STAGE 4	43	43	86
1020-07-81 Total			449	884
1020-07-82	PRE-WARNING	7	7	
	STAGE 1	71	71	142
	STAGE 3A	40	40	80
	STAGE 3B	138	276	552
	STAGE 4	43	43	86
1020-07-82 Total			437	860
Contract Total			**1,772**	**3,488**

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PROJECT ID	STAGE	STATION	TO	STATION	LOCATION	COLOR	643.3170 Temporary Marking Line Epoxy 6-Inch LF
1020-07-79	STAGE 2	255+00	-	282+18	IH 94 MEDIAN WB AT KINNEY ROAD 'RT'	Yellow	2,720
	STAGE 2	255+00	-	282+31	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	White	2,729
	STAGE 2	266+84	-	268+97	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	White	420
	STAGE 2	266+85	-	268+98	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	White	210
	STAGE 2	266+86	-	281+00	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	Yellow	1,410
	STAGE 2	268+97	-	296+11	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	White	2,710
	STAGE 2	268+98	-	294+00	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	White	625
	STAGE 2	271+50	-	296+27	IH 94 MEDIAN WB AT KINNEY ROAD 'RT'	White	619
	STAGE 2	281+00	-	284+50	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	Yellow	350
	STAGE 2	282+78	-	311+00	IH 94 MEDIAN WB AT KINNEY ROAD 'RT'	Yellow	3,022
	STAGE 2	282+91	-	310+99	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	White	3,007
	STAGE 2	284+50	-	296+10	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	Yellow	1,160
	STAGE 2	294+00	-	296+10	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	White	420
	STAGE 3A	266+85	-	268+98	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	White	210
	STAGE 3A	266+86	-	281+00	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	Yellow	1,410
	STAGE 3A	268+97	-	296+11	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	White	2,710
	STAGE 3A	268+98	-	294+00	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	White	625
	STAGE 3A	281+00	-	284+50	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	Yellow	350
	STAGE 3A	284+50	-	296+10	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	Yellow	1,160
1020-07-79 Total							25,867
1020-07-80	STAGE 3B	256+74	-	282+31	IH 94 MEDIAN EB AT KINNEY ROAD 'LT'	Yellow	2,554
	STAGE 3B	256+75	-	282+18	IH 94 MEDIAN EB AT KINNEY ROAD 'RT'	White	2,545
	STAGE 3B	270+00	-	294+25	IH 94 MEDIAN EB AT KINNEY ROAD 'LT'	White	606
	STAGE 3B	282+78	-	308+12	IH 94 MEDIAN EB AT KINNEY ROAD 'RT'	White	2,597
	STAGE 3B	282+91	-	308+12	IH 94 MEDIAN EB AT KINNEY ROAD 'LT'	Yellow	2,584
	STAGE 4				IH 94 EB AT KINNEY ROAD	White	3,125
	STAGE 4	268+99	-	268+99	IH 94 EB AT KINNEY ROAD 'RT'	White	420
	STAGE 4	269+00	-	269+00	IH 94 EB AT KINNEY ROAD 'LT'	Yellow	210
	STAGE 4	269+00	-	294+00	IH 94 EB AT KINNEY ROAD 'LT'	Yellow	2,500
	STAGE 4	294+00	-	296+10	IH 94 EB AT KINNEY ROAD 'RT'	White	420
	STAGE 4	294+00	-	296+10	IH 94 EB AT KINNEY ROAD 'LT'	Yellow	210
1020-07-80 Total							17,771

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PROJECT ID	STAGE	STATION	TO	STATION	LOCATION	COLOR	643.3170 Temporary Marking Line Epoxy 6-Inch LF
1020-07-81	STAGE 2				IH 94 MEDIAN WB AT 100TH STREET	White	2,521
	STAGE 2				IH 94 MEDIAN WB AT 100TH STREET	Yellow	2,523
	STAGE 2	385+90	-	388+00	IH 94 MEDIAN WB AT 100TH STREET 'LT'	White	210
	STAGE 2	385+90	-	409+09	IH 94 MEDIAN WB AT 100TH STREET 'LT'	Yellow	2,319
	STAGE 2	385+90	-	409+11	IH 94 MEDIAN WB AT 100TH STREET 'LT'	White	2,321
	STAGE 2	386+00	-	406+00	IH 94 MEDIAN WB AT 100TH STREET 'RT'	White	500
	STAGE 2	388+00	-	395+00	IH 94 MEDIAN WB AT 100TH STREET 'LT'	White	175
	STAGE 2	395+00	-	407+00	IH 94 MEDIAN WB AT 100TH STREET 'LT'	White	300
	STAGE 2	396+75	-	420+00	IH 94 MEDIAN WB AT 100TH STREET 'LT'	White	2,426
	STAGE 2	396+75	-	420+00	IH 94 MEDIAN WB AT 100TH STREET 'RT'	Yellow	2,424
	STAGE 2	407+00	-	409+10	IH 94 MEDIAN WB AT 100TH STREET 'LT'	White	210
	STAGE 3A	385+90	-	388+00	IH 94 MEDIAN WB AT 100TH STREET 'LT'	White	210
	STAGE 3A	385+90	-	409+09	IH 94 MEDIAN WB AT 100TH STREET 'LT'	Yellow	2,319
	STAGE 3A	385+90	-	409+11	IH 94 MEDIAN WB AT 100TH STREET 'LT'	White	2,321
	STAGE 3A	388+00	-	395+00	IH 94 MEDIAN WB AT 100TH STREET 'LT'	White	175
	STAGE 3A	395+00	-	407+00	IH 94 MEDIAN WB AT 100TH STREET 'LT'	White	300
	STAGE 3A	407+00	-	409+10	IH 94 MEDIAN WB AT 100TH STREET 'LT'	White	210
1020-07-81 Total							21,464
1020-07-82	STAGE 3B				IH 94 EB AT SWEF	White	193
	STAGE 3B				IH 94 MEDIAN EB AT 100TH STREET	White	2,423
	STAGE 3B				IH 94 MEDIAN EB AT 100TH STREET	Yellow	2,423
	STAGE 3B	385+82	-	405+77	IH 94 MEDIAN EB AT 100TH STREET 'RT'	White	499
	STAGE 3B	396+75	-	424+85	IH 94 MEDIAN EB AT 100TH STREET 'RT'	White	2,829
	STAGE 3B	396+75	-	424+85	IH 94 MEDIAN EB AT 100TH STREET 'LT'	Yellow	2,830
	STAGE 4				IH 94 EB AT 100TH STREET	White	20
	STAGE 4	385+90	-	390+10	IH 94 EB AT 100TH STREET 'RT'	White	420
	STAGE 4	385+90	-	390+10	IH 94 EB AT 100TH STREET 'LT'	Yellow	420
	STAGE 4	385+93	-	390+09	IH 94 EB AT 100TH STREET 'RT'	White	416
	STAGE 4	390+00	-	406+84	IH 94 EB AT 100TH STREET 'LT'	Yellow	1,684
	STAGE 4	390+10	-	398+00	IH 94 EB AT 100TH STREET 'RT'	White	2,093
	STAGE 4	406+84	-	407+00	IH 94 EB AT 100TH STREET 'LT'	Yellow	16
	STAGE 4	407+00	-	407+00	IH 94 EB AT 100TH STREET 'RT'	White	420
	STAGE 4	407+00	-	407+00	IH 94 EB AT 100TH STREET 'LT'	Yellow	210
1020-07-82 Total							16,896
Contract Total							**81,998**

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643.4100

Traffic Control Interim Lane Closure

PROJECT ID	STAGE	LOCATION	DAYS	EACH	REMARKS
1020-07-79	STAGE 1	IH 94 WB AT KINNEY ROAD 'LT'	71	15	TEMP. BARRIER PLACEMENT & S-CURVE PAVING
	STAGE 3A	IH 94 MEDIAN WB AT KINNEY ROAD 'LT'	40	10	TEMP. BARRIER PLACEMENT & S-CURVE PAVING
	STAGE 4	IH 94 WB AT KINNEY ROAD 'LT'	43	10	REMOVING S-CURVE PAVEMENT & TEMP BARRIER
1020-07-79 Total				35	
1020-07-80	STAGE 1	IH 94 EB AT KINNEY ROAD 'LT'	71	15	TEMP. BARRIER PLACEMENT & S-CURVE PAVING
	STAGE 3A	IH 94 MEDIAN EB AT KINNEY ROAD 'RT'	40	10	TEMP. BARRIER PLACEMENT & S-CURVE PAVING
	STAGE 4	IH 94 EB AT KINNEY ROAD 'LT'	43	10	REMOVING S-CURVE PAVEMENT & TEMP BARRIER
1020-07-80 Total				35	
1020-07-81	STAGE 1	IH 94 WB AT 100TH STREET 'LT'	71	15	TEMP. BARRIER PLACEMENT & S-CURVE PAVING
	STAGE 3A	IH 94 MEDIAN WB AT 100TH STREET 'LT'	40	10	TEMP. BARRIER PLACEMENT & S-CURVE PAVING
	STAGE 4	IH 94 WB AT 100TH STREET 'LT'	43	10	REMOVING S-CURVE PAVEMENT & TEMP BARRIER
1020-07-81 Total				35	
1020-07-82	STAGE 1	IH 94 EB AT 100TH STREET 'LT'	71	15	TEMP. BARRIER PLACEMENT & S-CURVE PAVING
	STAGE 3A	IH 94 MEDIAN EB AT 100TH STREET 'RT'	40	10	TEMP. BARRIER PLACEMENT & S-CURVE PAVING
	STAGE 4	IH 94 EB AT 100TH STREET 'RT'	43	10	REMOVING S-CURVE PAVEMENT & TEMP BARRIER
1020-07-82 Total				35	
Contract Total				**140**	

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PROJECT ID	STATION	TO	STATION	LOCATION	COLOR	646.2040 Marking Line Grooved Wet Ref Epoxy 6-Inch LF	646.2050 Marking Line Grooved Contrast Permanent Tape 6-Inch LF	646.2025 Marking Line Grooved Black Epoxy 6-Inch LF	646.4040 Marking Line Grooved Wet Ref Epoxy 10-Inch LF	646.6466 Cold Weather Marking Epoxy 6-Inch LF	646.5020 Marking Arrow Epoxy EACH
1020-07-79				IH 94 WB AT KINNEY ROAD	White	1213	304			1,213	
				IH 94 WB AT KINNEY ROAD	Black			304			
				IH 94 WB AT KINNEY ROAD	Yellow	1,218				1,218	
				KINNEY ROAD	White	210				210	
				KINNEY ROAD	Yellow	131				131	
	269+00	-	294+00	IH 94 WB AT KINNEY ROAD 'RT'	White	2,500	625			2,500	
	269+00	-	294+00	IH 94 WB AT KINNEY ROAD 'RT'	Black			625			
	269+00	-	294+00	IH 94 WB AT KINNEY ROAD 'RT'	Yellow	2,500				2,500	
	294+00	-	294+00	IH 94 WB AT KINNEY ROAD 'RT'	White	1,786	71			1,786	
	294+00	-	294+00	IH 94 WB AT KINNEY ROAD 'LT'	Black			71			
	294+00	-	294+00	IH 94 WB AT KINNEY ROAD 'LT'	Yellow	1,786				1,786	
1020-07-79 Total						11,344	1,000	1,000		11,344	
1020-07-80				IH 94 EB AT KINNEY ROAD	White	1,204	301			1,204	
				IH 94 EB AT KINNEY ROAD	Black			301			
				IH 94 EB AT KINNEY ROAD	Yellow	1,204				1,204	
				KINNEY ROAD	White	210				210	
				KINNEY ROAD	Yellow	131				131	
	269+00	-	294+00	IH 94 EB AT KINNEY ROAD 'RT'	White	2,500	625			2,500	
	269+00	-	294+00	IH 94 EB AT KINNEY ROAD 'RT'	Black			625			
	269+00	-	294+00	IH 94 EB AT KINNEY ROAD 'LT'	Yellow	2,500				2,500	
	294+00	-	294+00	IH 94 EB AT KINNEY ROAD 'RT'	White	1,299	325			1,299	
	294+00	-	294+00	IH 94 EB AT KINNEY ROAD 'LT'	Black			325			
	294+00	-	294+00	IH 94 EB AT KINNEY ROAD 'LT'	yellow	1299				1299	
1020-07-80 Total						10,347	1,251	1,251		10,347	
1020-07-81				IH 94 WB AT 100TH STREET	White	1,060	265			1,060	
				IH 94 WB AT 100TH STREET	Black			265			
				IH 94 WB AT 100TH STREET	Yellow	1,060				1,060	
				100TH STREET	White	200				200	
				100TH STREET	Yellow	125				125	
	388+00	-	407+00	IH 94 WB AT 100TH STREET 'LT'	White	1,900	475			1,900	
	388+00	-	407+00	IH 94 WB AT 100TH STREET 'RT'	Black			475			
	388+00	-	407+00	IH 94 WB AT 100TH STREET 'RT'	Yellow	1,900				1,900	
	388+00	-	407+00	IH 94 WB AT 100TH STREET 'RT'	White	1,199	300			1,199	
	407+00	-	407+00	IH 94 WB AT 100TH STREET 'LT'	Black			300			
	407+00	-	407+00	IH 94 WB AT 100TH STREET 'LT'	Yellow	1,199				1,199	
1020-07-81 Total						8,643	1,040	1,040		8,643	
1020-07-82				IH 94 EB AT 100TH STREET	White	1,145	372		339	1,145	2
				IH 94 EB AT 100TH STREET	Black			372			
				IH 94 EB AT 100TH STREET	Yellow	1,485				1,485	
				100TH STREET	White	200				200	
				100TH STREET	Yellow	125				125	
	388+00	-	388+48	IH 94 EB AT 100TH STREET 'RT'	White				50		
	388+48	-	392+96	IH 94 EB AT 100TH STREET 'RT'	White	112				112	
	388+00	-	406+84	IH 94 EB AT 100TH STREET 'RT'	White	1,883	471			1,883	
	388+00	-	406+84	IH 94 EB AT 100TH STREET 'RT'	Black			471			
	388+00	-	406+84	IH 94 EB AT 100TH STREET 'LT'	Yellow	1,884				1,884	
	383+50	-	385+26	SWEF RAMP 'LT'	White	176				176	
	385+26	-	388+62	SWEF RAMP 'LT'	White				336		
	383+50	-	388+62	SWEF RAMP 'RT'	White	512				512	
1020-07-82 Total						7,522	843	843	725	7,522	2
Contract Total						**37,856**	**4,134**	**4,134**	**725**	**37,856**	**2**

		646.9002
		Marking Removal Line 6-Inch
PROJECT ID	**LOCATION**	**LF**
1020-07-79	IH 94 WB AT KINNEY ROAD	3,706
1020-07-79 Total		3,706
1020-07-80	IH 94 EB AT KINNEY ROAD	5,897
1020-07-80 Total		5,897
1020-07-81	IH 94 WB AT 100TH STREET	4,451
1020-07-81 Total		4,451
1020-07-82	IH 94 EB AT 100TH STREET	5,334
1020-07-82 Total		5,334
Contract Total		**19,388**

						643.3760
						Temporary Marking Raised Pavement Marker Type I
PROJECT ID	**STAGE**	**STATION**	**TO**	**STATION**	**LOCATION**	**EACH**
1020-07-79	STAGE 1	256+00	-	271+50	IH 94 MEDIAN WB AT KINNEY ROAD 'RT'	31
	STAGE 1	296+27	-	310+98	IH 94 MEDIAN WB AT KINNEY ROAD 'RT'	31
1020-07-79 Total						62
1020-07-80	STAGE 3A	257+75	-	270+00	IH 94 MEDIAN EB AT KINNEY ROAD 'LT'	25
	STAGE 3A	294+25	-	307+75	IH 94 MEDIAN EB AT KINNEY ROAD 'RT'	27
1020-07-80 Total						52
1020-07-81	STAGE 1				IH 94 MEDIAN WB AT 100TH STREET	28
	STAGE 1	406+00	-	420+00	IH 94 MEDIAN WB AT 100TH STREET 'RT'	28
1020-07-81 Total						56
1020-07-82	STAGE 3A	373+61	-	385+82	IH 94 MEDIAN EB AT 100TH STREET 'RT'	26
	STAGE 3A	405+77	-	424+05	IH 94 MEDIAN EB AT 100TH STREET 'RT'	37
1020-07-82 Total						63
Contract Total						**233**

PROJECT ID	STAGE	STATION	TO	STATION	LOCATION	650.4500 Construction Staking Subgrade LF	650.5000 Construction Staking Base LF	650.7000 Construction Staking Concrete Pavement LF	650.9920 Construction Staking Slope Stakes LF	SPV.0090.01 Construction Staking Finished Median LF
1020-07-79	STAGE 2	269+00	-	281+62	IH 94 WB AT KINNEY ROAD 'LT'	1,262	1,262		1,262	
	STAGE 2	281+17	-	282+12	IH 94 WB AT KINNEY ROAD 'LT'			95		
	STAGE 2	284+11	-	291+63	IH 94 WB AT KINNEY ROAD 'LT'	989	989		989	
	STAGE 4	269+00	-	281+62	IH 94 WB AT KINNEY ROAD 'RT'	1,263	1,263		1,263	
	STAGE 4	269+00	-	282+40	IH 94 WB AT KINNEY ROAD 'RT'					1,340
	STAGE 4	281+17	-	281+77	IH 94 WB AT KINNEY ROAD 'RT'			60		
	STAGE 4	284+11	-	294+00	IH 94 WB AT KINNEY ROAD 'RT'	990	990		990	
	STAGE 4				KINNEY ROAD	138	138		138	
1020-07-79 Total						4,642	4,642	155	4,642	1,340
1020-07-80	STAGE 3B	271+00	-	281+04	IH 94 EB AT KINNEY ROAD 'RT'	1,204	1,204		1,204	
	STAGE 3B	280+59	-	281+19	IH 94 EB AT KINNEY ROAD 'RT'			60		
	STAGE 3B	283+52	-	294+00	IH 94 EB AT KINNEY ROAD 'RT'	1,048	1,048		1,048	
	STAGE 4	269+00	-	281+04	IH 94 EB AT KINNEY ROAD 'LT'	1,204	1,204		1,204	
	STAGE 4	280+59	-	281+53	IH 94 EB AT KINNEY ROAD 'LT'			94		
	STAGE 4	282+68	-	294+00	IH 94 EB AT KINNEY ROAD 'LT'					1,132
	STAGE 4	283+52	-	294+00	IH 94 EB AT KINNEY ROAD 'LT'	1,048	1,048		1,048	
	STAGE 4				KINNEY ROAD	138	138		138	
1020-07-80 Total						4,642	4,642	154	4,642	1,132
1020-07-81	STAGE 2	388+00	-	395+56	IH 94 WB AT 100TH STREET 'LT'	756	756		756	
	STAGE 2	397+28	-	397+85	IH 94 WB AT 100TH STREET 'LT'			57		
	STAGE 2	397+43	-	407+00	IH 94 WB AT 100TH STREET 'LT'	958	958		958	
	STAGE 4	388+00	-	395+56	IH 94 WB AT 100TH STREET 'RT'	757	757		757	
	STAGE 4	388+00	-	396+38	IH 94 WB AT 100TH STREET 'RT'					838
	STAGE 4	397+28	-	397+83	IH 94 WB AT 100TH STREET 'RT'			55		
	STAGE 4	397+43	-	407+00	IH 94 WB AT 100TH STREET 'RT'	957	957		957	
	STAGE 4				100TH STREET	125	125		125	
1020-07-81 Total						3,553	3,553	112	3,553	838
1020-07-82	STAGE 3B	383+50	-	388+62	SWEF RAMP	512	512	512	512	
	STAGE 3B	389+15	-	395+52	IH 94 EB AT 100TH STREET 'RT'	753	753		753	
	STAGE 3B	397+23	-	397+78	IH 94 EB AT 100TH STREET 'RT'			55		
	STAGE 3B	397+38	-	407+00	IH 94 EB AT 100TH STREET 'RT'	962	962		962	
	STAGE 4	388+00	-	395+52	IH 94 EB AT 100TH STREET 'LT'	752	752		752	
	STAGE 4	396+59	-	407+00	IH 94 EB AT 100TH STREET 'LT'					1,041
	STAGE 4	397+23	-	397+80	IH 94 EB AT 100TH STREET 'LT'			57		
	STAGE 4	397+38	-	407+00	IH 94 EB AT 100TH STREET 'LT'	962	962		962	
	STAGE 4				100TH STREET	125	125		125	
1020-07-82 Total						4,066	4,066	624	4,066	1,041
Contract Total						**16,903**	**16,903**	**1,045**	**16,903**	**4,351**

PROJECT ID	650.4000 Construction Staking Storm Sewer EACH
1020-07-79 Total	19
1020-07-80 Total	20
1020-07-81 Total	16
1020-07-82 Total	17
Contract Total	**72**

3

ITEM #	DESCRIPTION	UNIT	1020-07-79	1020-07-80	1020-07-81	1020-07-82	Contract Total
213.0100.01	Finishing Roadway 1020-07-79	EACH	1				1
213.0100.02	Finishing Roadway 1020-07-80	EACH		1			1
213.0100.03	Finishing Roadway 1020-07-81	EACH			1		1
213.0100.04	Finishing Roadway 1020-07-82	EACH				1	1
618.0100.01	Maintenance and Repair of Haul Roads 1020-07-79	EACH	1				1
618.0100.02	Maintenance and Repair of Haul Roads 1020-07-80	EACH		1			1
618.0100.03	Maintenance and Repair of Haul Roads 1020-07-81	EACH			1		1
618.0100.04	Maintenance and Repair of Haul Roads 1020-07-82	EACH				1	1
642.5201	Field Office Type C	EACH	1				1
643.5000	Traffic Control	EACH	0.25	0.25	0.25	0.25	1
999.2000.S	Installing and Maintaining Bird Deterrent System Station 281'EB'+81, 282'WB'+90, 396'EB'+46, 396'WB'+50	EACH	1	1	1	1	4

3

ITEM #	DESCRIPTION	UNIT	1020-07-79	1020-07-80	1020-07-81	1020-07-82	Contract Total
650.6501.01	Construction Staking Structure Layout B-55-0250	EACH	1				1
650.6501.02	Construction Staking Structure Layout B-55-0251	EACH		1			1
650.6501.03	Construction Staking Structure Layout B-55-0252	EACH			1		1
650.6501.04	Construction Staking Structure Layout B-55-0253	EACH				1	1
650.9911.01	Construction Staking Supplemental Control 1020-07-79	EACH	1				1
650.9911.02	Construction Staking Supplemental Control 1020-07-80	EACH		1			1
650.9911.03	Construction Staking Supplemental Control 1020-07-81	EACH			1		1
650.9911.04	Construction Staking Supplemental Control 1020-07-82	EACH				1	1

ITEM #	DESCRIPTION	UNIT	1020-07-79	1020-07-80	1020-07-81	1020-07-82	Contract Total
SPV.0060.05	Emergency Response to Traffic Involving Concrete Barrier Temporary	EACH	2	2	2	2	8
SPV.0060.06	Emergency Response to Traffic Involving Crash Cushion	EACH	1	1	1	1	4

PROJECT ID	STAGE	STATION	LOCATION	690.0150 Sawing Asphalt LF	690.0250 Sawing Concrete LF
1020-07-79	STAGE 2		IH 94 WB AT KINNEY ROAD	14	24
	STAGE 2	269+00	IH 94 WB AT KINNEY ROAD	14	24
	STAGE 4		KINNEY ROAD	28	
1020-07-79 Total				56	48
1020-07-80	STAGE 3A	272+47	IH 94 MEDIAN EB AT KINNEY ROAD	33	
	STAGE 3A	296+23	IH 94 MEDIAN EB AT KINNEY ROAD	33	
	STAGE 3B		IH 94 EB AT KINNEY ROAD	14	24
	STAGE 3B	294+00	IH 94 EB AT KINNEY ROAD	14	24
	STAGE 4		KINNEY ROAD	28	
1020-07-80 Total				122	48
1020-07-81	STAGE 2		IH 94 WB AT 100TH STREET	14	
	STAGE 2	388+00	IH 94 WB AT 100TH STREET		24
	STAGE 2	407+00	IH 94 WB AT 100TH STREET	14	24
	STAGE 4		100TH STREET	26	
1020-07-81 Total				54	48
1020-07-82	STAGE 3A	383+33	IH 94 MEDIAN EB AT 100TH STREET	33	
	STAGE 3A	407+00	IH 94 MEDIAN EB AT 100TH STREET	33	
	STAGE 3B	383+50	SWEF RAMP	8	15
	STAGE 3B	388+00	IH 94 EB AT 100TH STREET	533	35
	STAGE 3B	407+00	IH 94 EB AT 100TH STREET	14	24
	STAGE 4		100TH STREET	24	
1020-07-82 Total				645	74
Contract Total				**877**	**218**

TRANSPORTATION PROJECT PLAT NO: 1020-07-21-4.01

THAT PART OF LOT 22, HIGH MEADOWS II, LOCATED IN THE SW 1/4 OF THE SE 1/4, AND PART OF LOT 1 OF CSM 5-1299, DOC 385479, V 5, P 1299, AND PART OF LOT 1 OF CSM 6-1693, DOC 415804, V 6, P 1693, LOCATED IN AND INCLUDING PART OF THE SE 1/4 OF THE SE 1/4 , SECTION 26, TOWNSHIP 29 NORTH, RANGE 19 WEST, TOWN OF HUDSON, ST CROIX COUNTY, WISCONSIN.

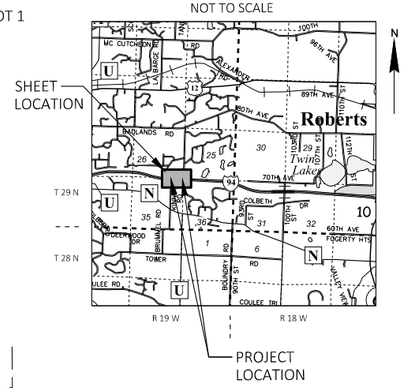
RELOCATION ORDER OF IH 94 HUDSON - BALDWIN, KINNEY ROAD BRIDGE WB B-55-0250 & EB B-55-0251, ST CROIX COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

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

LOCATION SKETCH
NOT TO SCALE



FOR ADDITIONAL INFORMATION REFER TO TITLE SHEET, RECORDED AS SHEET 2 OF 2.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ST CROIX COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

EXISTING ACCESS CONTROL ALONG IH 94 HAS BEEN ESTABLISHED FROM PREVIOUS PLAT I-94-1(2)0.

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
81	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS

UTILITY EASEMENT TABLE			
UTILITY NUMBER	PARCEL	RECORDING INFORMATION	NAME
81	3	DOC 422063, V768, P85	ST. CROIX TELEPHONE COMPANY
	3	DOC 422062, V768, P83	
	4	DOC 425884, V779, P108	

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

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W AC REQUIRED			TLE AC
			NEW	EXISTING	TOTAL	
1	WILLIAM J & MARY M FETZER	FEE	0.03	-	0.03	-
2	ROBERT K MONETTE RVCBL TRST	FEE	0.82	-	0.82	-
3	ROGER F & DIANE G AHO	FEE	0.21	-	0.21	-
4	MICHAEL C & SUE A FAVILLA	FEE	0.04	-	0.04	-

1093936
BETH PABST
REGISTER OF DEEDS
ST. CROIX CO., WI
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12/11/2019 09:00 AM
EXEMPT #
PLAT FEE 25.00
VOLUME: TPP1
PAGES: 162
PAGES: 2
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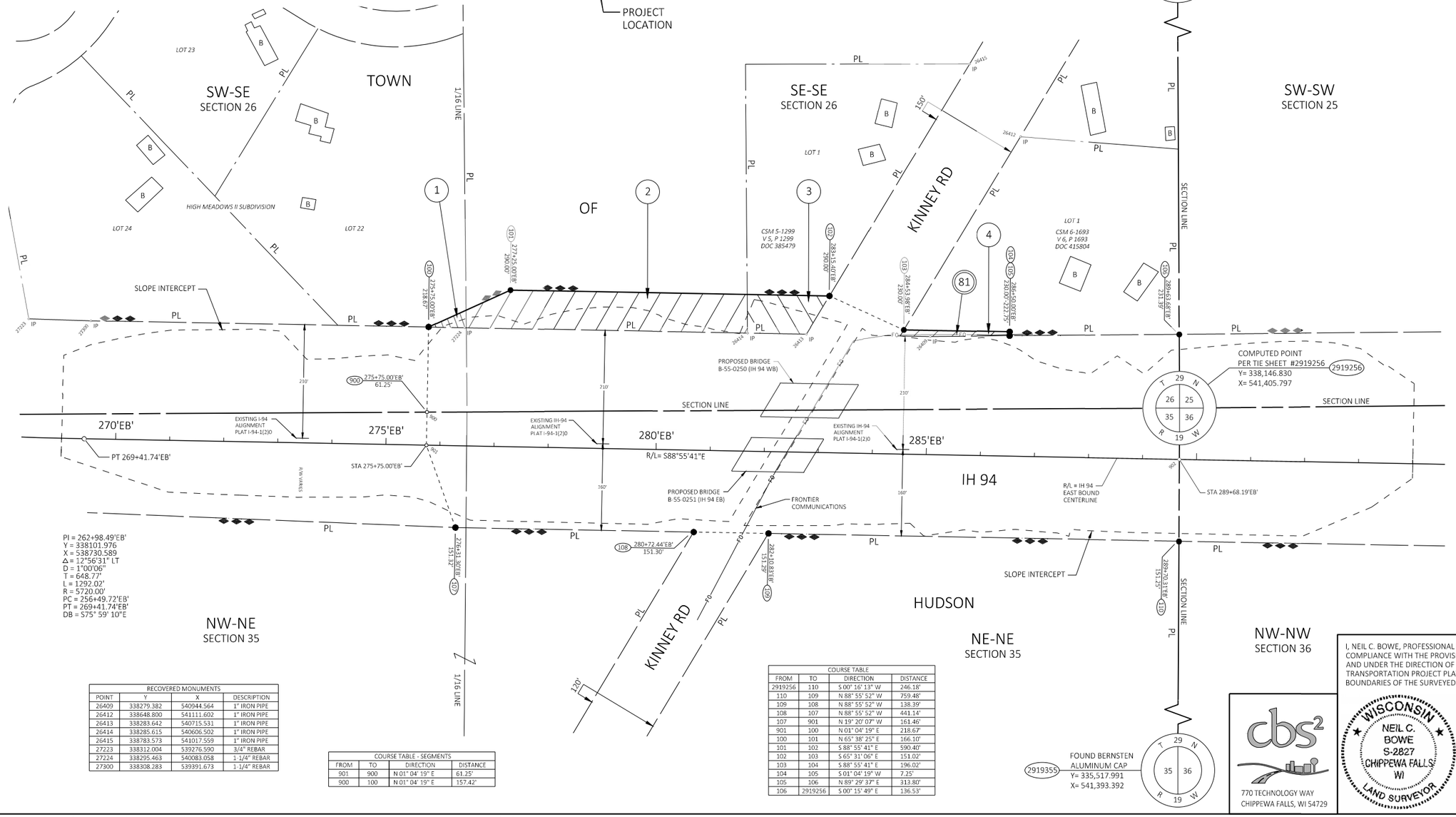
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1020-07-21-4.01
SHEET 1 OF 2



RECOVERED MONUMENTS			
POINT	Y	X	DESCRIPTION
26409	338279.382	540944.564	1" IRON PIPE
26412	338648.800	541111.602	1" IRON PIPE
26413	338283.642	540715.531	1" IRON PIPE
26414	338285.615	540606.502	1" IRON PIPE
26415	338783.573	541017.559	1" IRON PIPE
27223	338312.004	539276.590	3/4" REBAR
27224	338295.463	540083.058	1 1/4" REBAR
27300	338308.283	539391.673	1 1/4" REBAR

COURSE TABLE - SEGMENTS			
FROM	TO	DIRECTION	DISTANCE
901	900	N 01° 04' 19" E	61.25'
900	100	N 01° 04' 19" E	157.42'

COURSE TABLE			
FROM	TO	DIRECTION	DISTANCE
2919256	110	S 00° 16' 13" W	246.18'
110	109	N 88° 55' 52" W	759.48'
109	108	N 88° 55' 52" W	138.39'
108	107	N 88° 55' 52" W	441.14'
107	901	N 19° 20' 07" W	161.46'
901	100	N 01° 04' 19" E	218.67'
100	101	N 65° 38' 25" E	166.10'
101	102	S 88° 55' 41" E	590.40'
102	103	S 65° 31' 06" E	151.02'
103	104	S 88° 55' 41" E	196.02'
104	105	S 01° 04' 19" W	7.25'
105	106	N 89° 29' 37" E	313.80'
106	2919256	S 00° 15' 49" E	136.53'

ROAD NAME	BASIS OF EXISTING R/W	YEAR
KINNEY RD	CSM 6-1693, V 6, P 1693, DOC 415804	1986
KINNEY RD	CSM 5-1299, V 5, P 1299, DOC 385479	1983
I-94	HIGH MEADOWS II	1981
I-94	R/W PLAT I-94-1(2)0	1983

COURSE TABLE - SECTION LINE			
FROM	TO	DIRECTION	DISTANCE
2919254	106	S 00° 15' 49" E	2492.09'
106	2919256	S 00° 15' 49" E	136.53'
2919254	2919256	S 00° 15' 49" E	2628.62'
2919256	902	S 00° 16' 13" W	94.91'
902	110	S 00° 16' 13" W	151.27'
110	2919355	S 00° 16' 13" W	2382.69'
2919256	2919355	S 00° 16' 13" W	2628.87'

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

SIGNATURE: Neil C. Bowe DATE: 12/10/19
PRINT NAME: NEIL C. BOWE
REGISTRATION NUMBER: S-2827

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

SIGNATURE: Debra B. Stensland DATE: 12/10/19
PRINT NAME: DEBRA B. STENSLAND

WISCONSIN NEIL C. BOWE S-2827 CHIPPEWA FALLS WI LAND SURVEYOR

cbs2
770 TECHNOLOGY WAY
CHIPPEWA FALLS, WI 54729

FILE NAME : P:\MICBA\18001 - IH 94\RIGHT OF WAY\CAD\040101-RP.DWG
APPRAISAL PLAT DATE : 12/10/19
PLOT DATE : 12/10/2019 3:19 PM

TRANSPORTATION PROJECT PLAT NO: 1020-07-22-4.01 AMENDMENT NO. 1 AMENDS PARCEL 1 AND ADDS PARCEL 5 OF TRANSPORTATION PROJECT PLAT 1020-07-22-4.01 RECORDED AS DOCUMENT NO: 1091749.

PART OF LOT 4 OF CSM 16-4411, DOC 698254, V 16, P 4411, AND PART OF LOT 6 OF CSM 28-6486, DOC 1064058, V 28, P 6486, LOCATED IN THE NE 1/4 OF THE NE 1/4, SECTION 31, PART OF LOT 1 OF CSM 25-5783, DOC 939780, V 25, P 5783, AND PART OF LOT 12 OF CSM 29-6567, DOC 1072690, V 29, P 6567, AND PART OF LOT 3 OF CSM 20-5079, DOC 807923, V 20, P 5079, LOCATED IN THE NW 1/4 OF THE NW 1/4, SECTION 32, ALL IN TOWNSHIP 29 NORTH, RANGE 18 WEST, TOWN OF WARREN, ST CROIX COUNTY, WISCONSIN.

RELOCATION ORDER OF IH 94 HUDSON - BALDWIN, 100TH ST/TWIN LK RD BR WB B-55-0252 & EB B-55-0253, ST CROIX COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

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

FOR ADDITIONAL INFORMATION REFER TO TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN ST CROIX COUNTY AS SHEET 2 OF 2 OF DOCUMENT NO: 1091749.

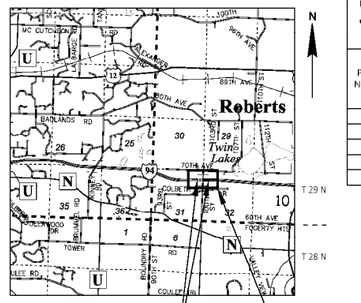
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ST CROIX COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

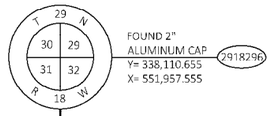
ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

EXISTING ACCESS CONTROL ALONG IH 94 HAS BEEN ESTABLISHED FROM PREVIOUS PLAT I-94-1(2)0.

LOCATION SKETCH
NOT TO SCALE





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

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
1	MATTHEW & JAMES HUTERA	FEE	0.44	-	0.44	-
2	JOSHUA STONER	FEE	0.01	-	0.01	-
3	DONAVIN BERG & JERI LYNNE SIMON	FEE	0.25	-	0.25	-
4	SCOTT A GRAY	FEE	0.11	-	0.11	-
5	GLENRIDGE PROPERTIES LLC	FEE	0.21	-	0.21	-

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
80	AT&T WISCONSIN	RELEASE OF RIGHTS
82	ST. CROIX ELECTRIC COOPERATIVE	RELEASE OF RIGHTS

UTILITY EASEMENT TABLE

UTILITY NUMBER	PARCEL	RECORDING INFORMATION	NAME
	1	DOC 431479, V794, P588	WISCONSIN BELL, INCORPORATED
	2,3	DOC 431478, V794, P586	
	1,5	DOC 190003A, V146	
	1	DOC 306320, V475, P56	
80	3	DOC 169849A, V220	
	2,3	DOC 306322, V475, P60	WISCONSIN TELEPHONE COMPANY
	2,4	DOC 169859A, V220, P194	
	4	DOC 169748A, V200, P171	
	4	DOC 189579A, V252, P58	
82	1	DOC 744173, V2439, P251	ST. CROIX ELECTRIC COOPERATIVE
	4	DOC 832595	

1096170
BETH PABST
REGISTER OF DEEDS
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EXEMPT #
PLAT FEE 25.00
VOLUME: TPP1
PAGES: 164
PAGES: 1
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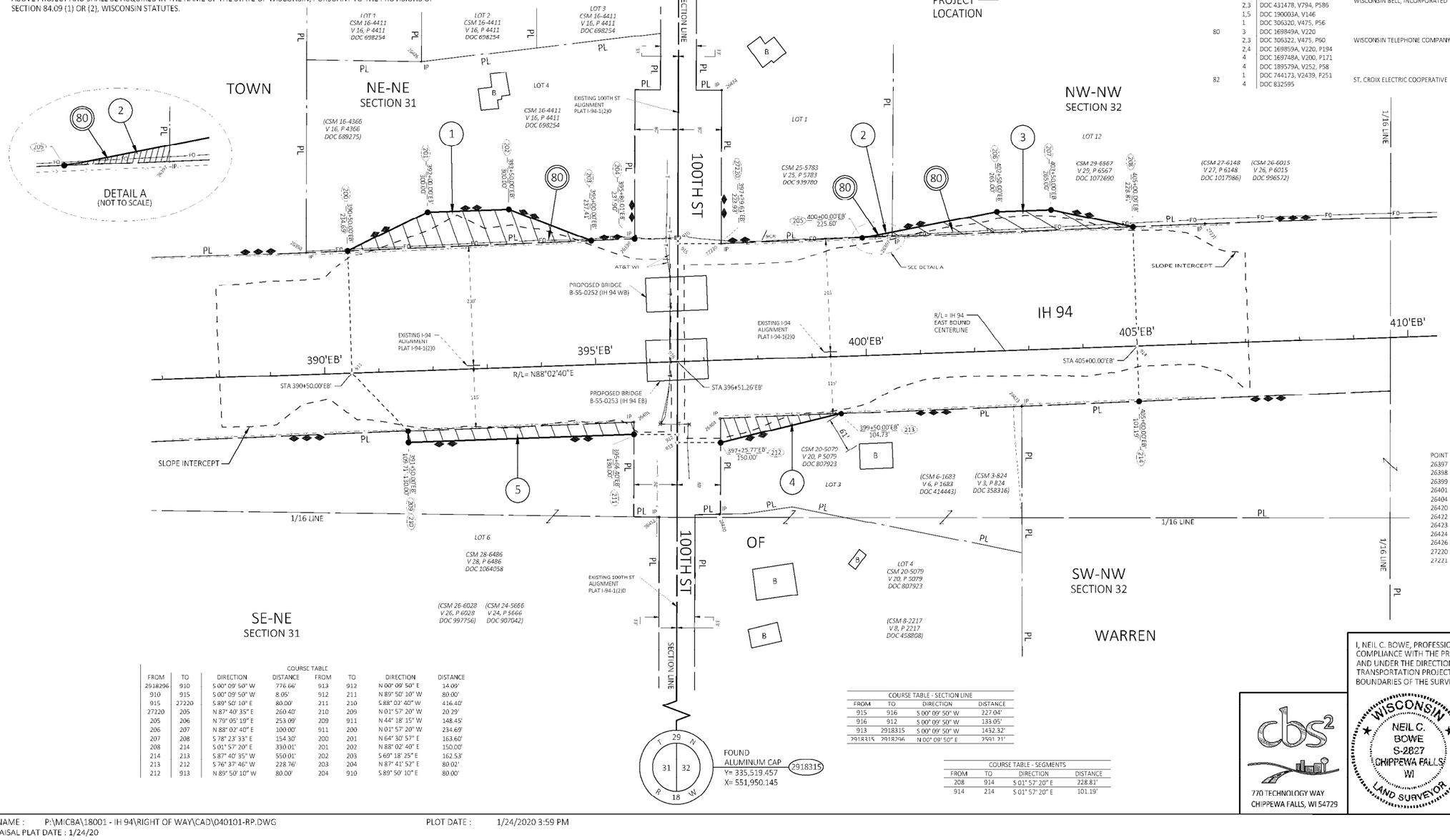
PROJECT NUMBER 1020-07-22-4.01
AMENDMENT NO. 1



ROAD NAME	BASIS OF EXISTING R/W	YEAR
100TH ST	CSM 28-6486, V 28, P 6486, DOC 1064058	2018
	CSM 29-6567, V 29, P 6567, DOC 1072690	2018
	CSM 25-5783, V 25, P 5783, DOC 939780	2011
	CSM 20-5079, V 20, P 5079, DOC 807923	2005
	CSM 16-4411, V 16, P 4411, DOC 698254	2002
	R/W PLAT I-94-1(2)0	1983
I-94	R/W PLAT I-94-1(2)0	1983

STATION & OFFSET TABLE

POINT	STATION	OFFSET
910	396+59.96'EB'	234.94' LT
915	396+59.66'EB'	226.89' LT
912	396+46.34'EB'	132.96' RT
913	396+45.82'EB'	147.04' RT

RECOVERED MONUMENTS

POINT	Y	X	DESCRIPTION
26397	337338.521	552351.002	3/4" REBAR
26398	337309.665	551269.365	1" IRON PIPE
26399	337334.628	551873.965	1" IRON PIPE LEANING
26401	336988.901	551874.259	3/4" REBAR
26404	336994.813	552033.214	1-1/4" IRON PIPE
26420	336820.796	552032.157	1" IRON PIPE
26422	336815.611	551920.648	3/4" REBAR W/OCAP NORTHLAND
26423	337017.927	552589.968	1" IRON PIPE
26424	337606.763	552036.150	3/4" REBAR
26426	337658.434	551482.283	1" IRON PIPE
27220	337325.711	552035.311	3/4" REBAR
27221	337361.935	552928.024	3/4" REBAR

COURSE TABLE

FROM	TO	DIRECTION	DISTANCE	FROM	TO	DIRECTION	DISTANCE
2918296	910	S 00° 09' 50" W	776.66'	913	912	N 00° 09' 50" E	14.09'
910	915	S 00° 09' 50" W	8.05'	912	211	N 89° 50' 10" W	80.00'
915	27220	S 89° 50' 10" E	80.00'	211	210	S 88° 02' 40" W	416.40'
27220	205	N 87° 40' 35" E	260.40'	210	209	N 01° 57' 20" W	20.29'
205	206	N 79° 05' 19" E	253.09'	209	911	N 44° 18' 15" W	148.45'
206	207	N 88° 02' 40" E	100.00'	911	200	N 01° 57' 20" W	234.69'
207	208	S 78° 23' 33" E	154.30'	200	201	N 64° 30' 57" E	163.60'
208	214	S 01° 57' 20" E	330.01'	201	202	N 88° 02' 40" E	150.00'
214	213	S 87° 40' 35" W	550.01'	202	203	S 69° 18' 25" E	162.53'
213	212	S 76° 37' 46" W	228.76'	203	204	N 87° 41' 52" E	80.02'
212	913	N 89° 50' 10" W	80.00'	204	910	S 89° 50' 10" E	80.00'

COURSE TABLE - SECTION LINE

FROM	TO	DIRECTION	DISTANCE
915	916	S 00° 09' 50" W	227.04'
916	912	S 00° 09' 50" W	133.05'
913	2918315	S 00° 09' 50" W	1432.32'
2918315	2918296	N 00° 09' 50" E	2591.21'

COURSE TABLE - SEGMENTS

FROM	TO	DIRECTION	DISTANCE
208	914	S 01° 57' 20" E	228.81'
914	214	S 01° 57' 20" E	101.19'

cbs²
770 TECHNOLOGY WAY
CHIPPEWA FALLS, WI 54729

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

WISCONSIN NEIL C. BOWE S-2827 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: Neil C. Bowe DATE: 1/24/20

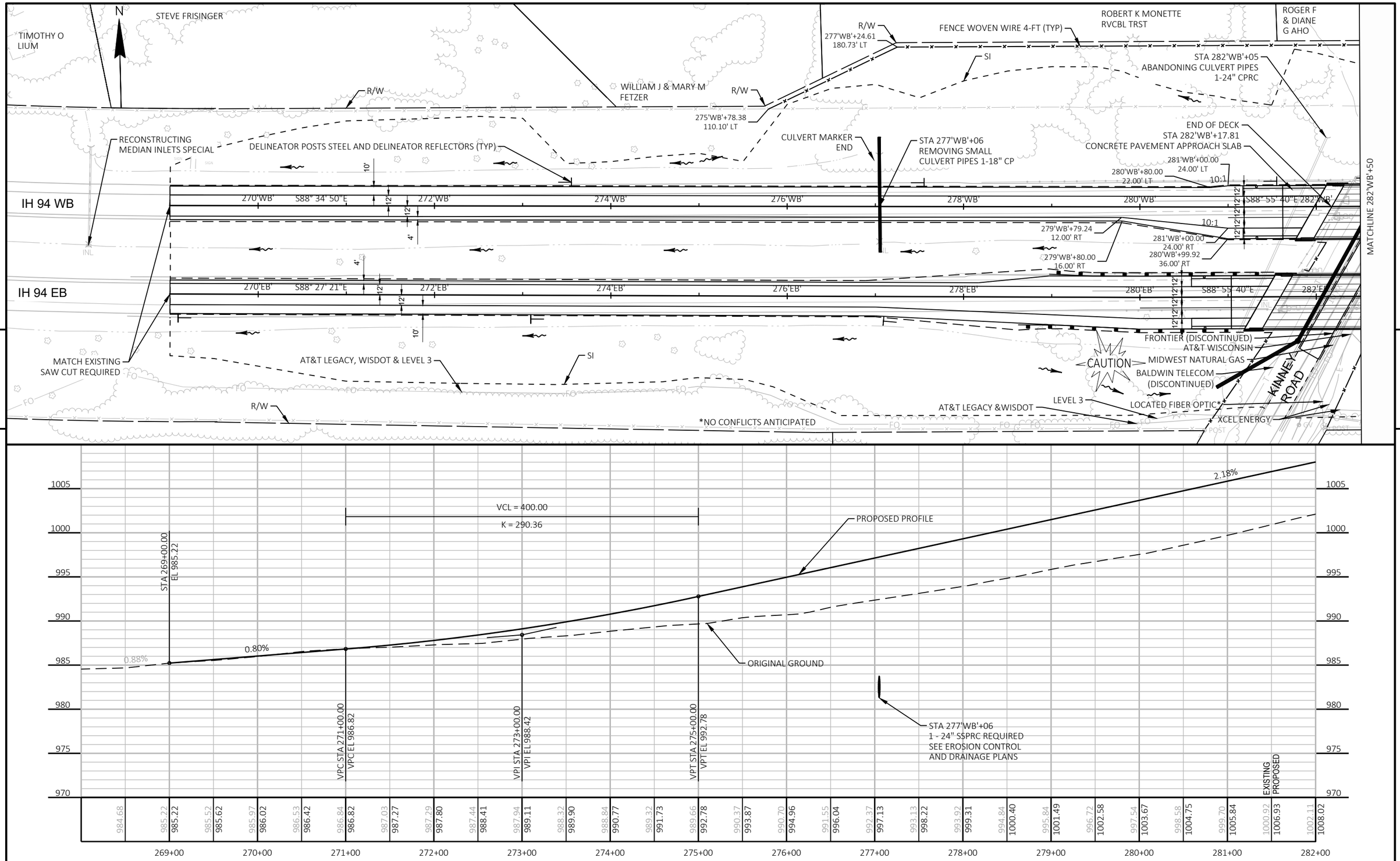
PRINT NAME: NEIL C. BOWE

REGISTRATION NUMBER: S-2827

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

SIGNATURE: Debra B. Stensland DATE: 1/24/20

PRINT NAME: DEBRA B. STENSLAND 145

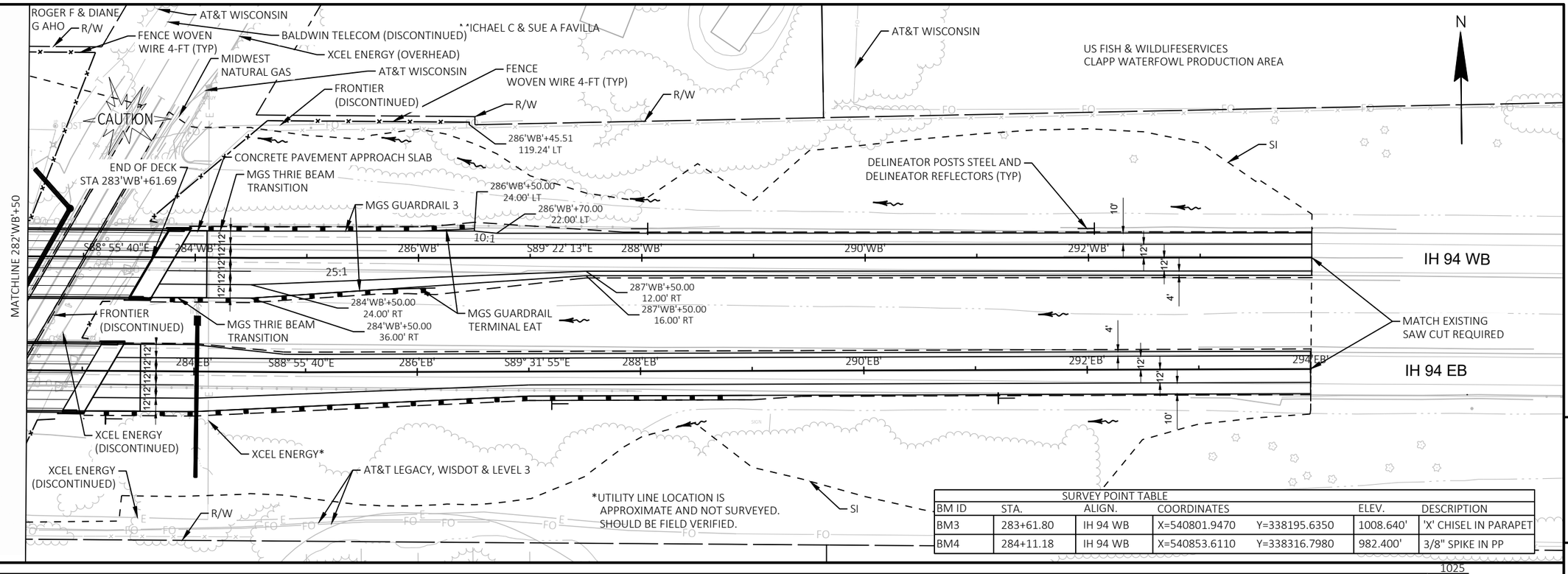


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: IH 94 WB AT KINNEY ROAD	SHEET 146 E

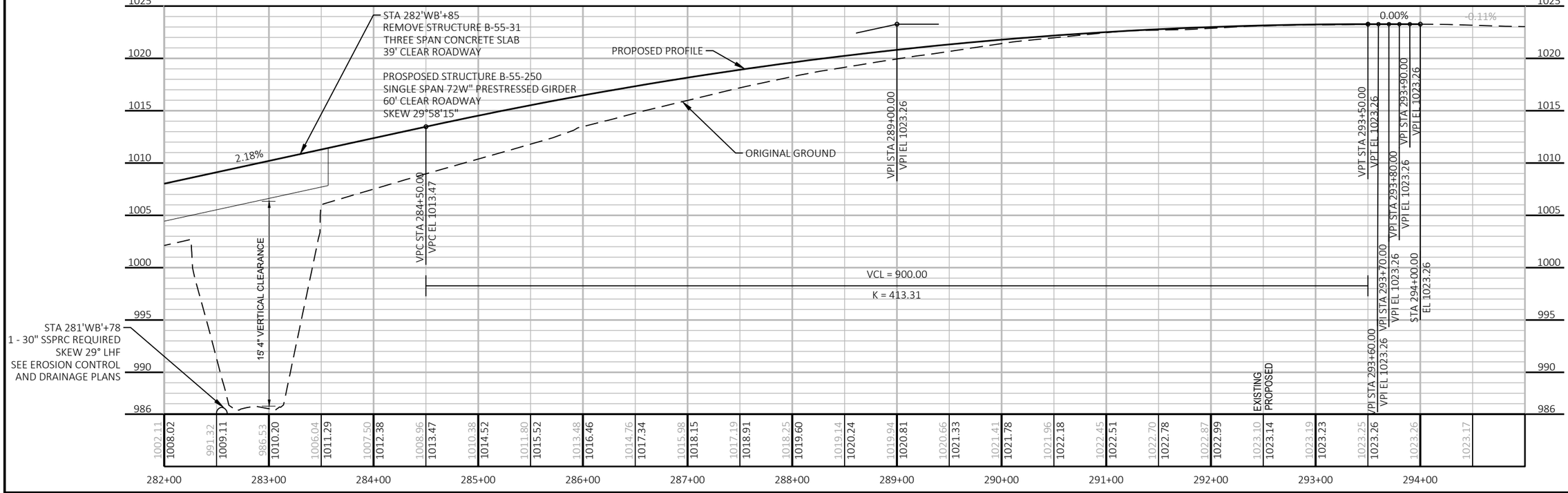
FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050101-pp

PLOT DATE : 5/8/2024 5:38 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

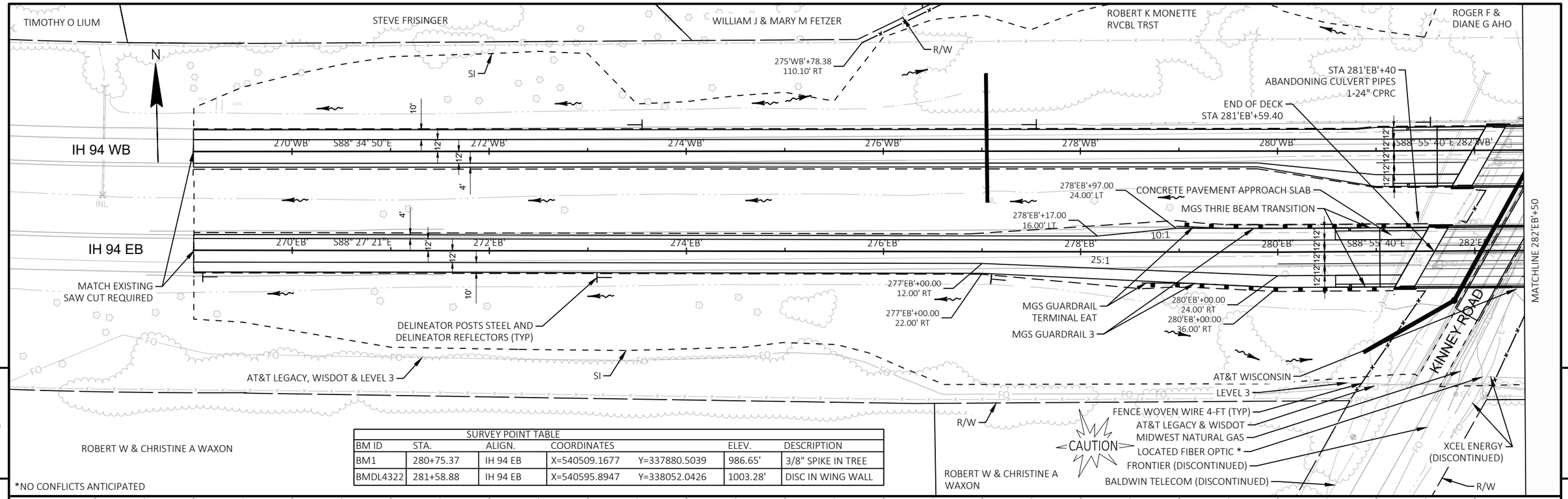


SURVEY POINT TABLE						
BM ID	STA.	ALIGN.	COORDINATES		ELEV.	DESCRIPTION
BM3	283+61.80	IH 94 WB	X=540801.9470	Y=338195.6350	1008.640'	'X' CHISEL IN PARAPET
BM4	284+11.18	IH 94 WB	X=540853.6110	Y=338316.7980	982.400'	3/8" SPIKE IN PP

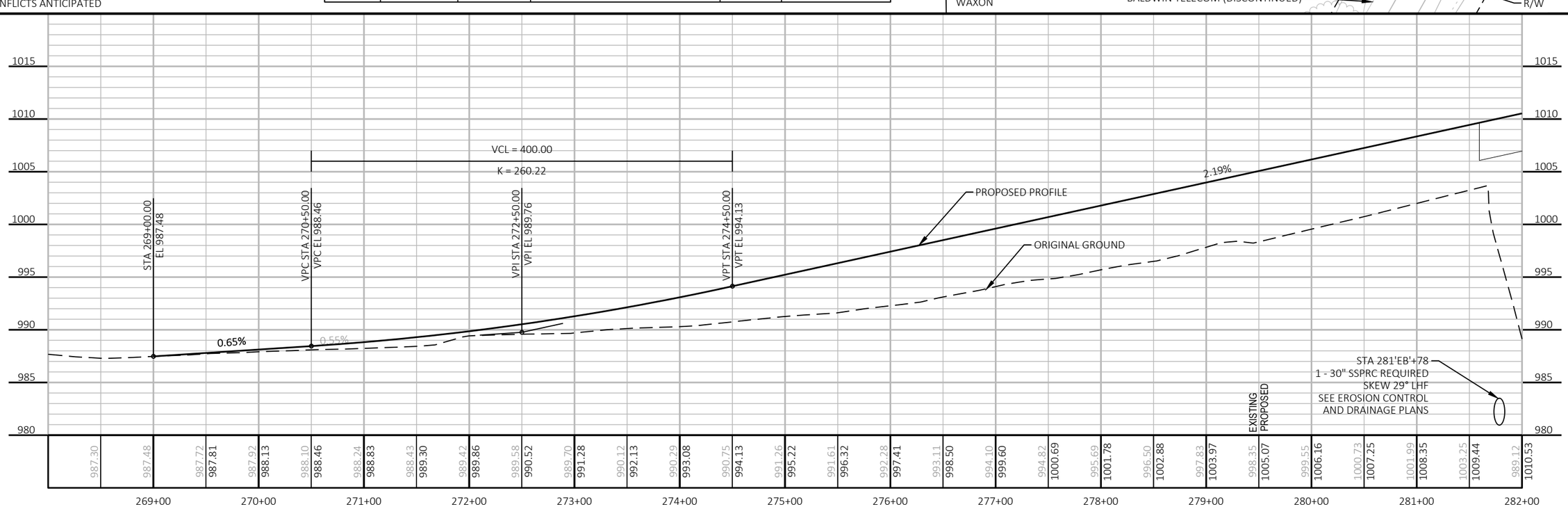


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: IH 94 WB AT KINNEY ROAD	SHEET 147	E

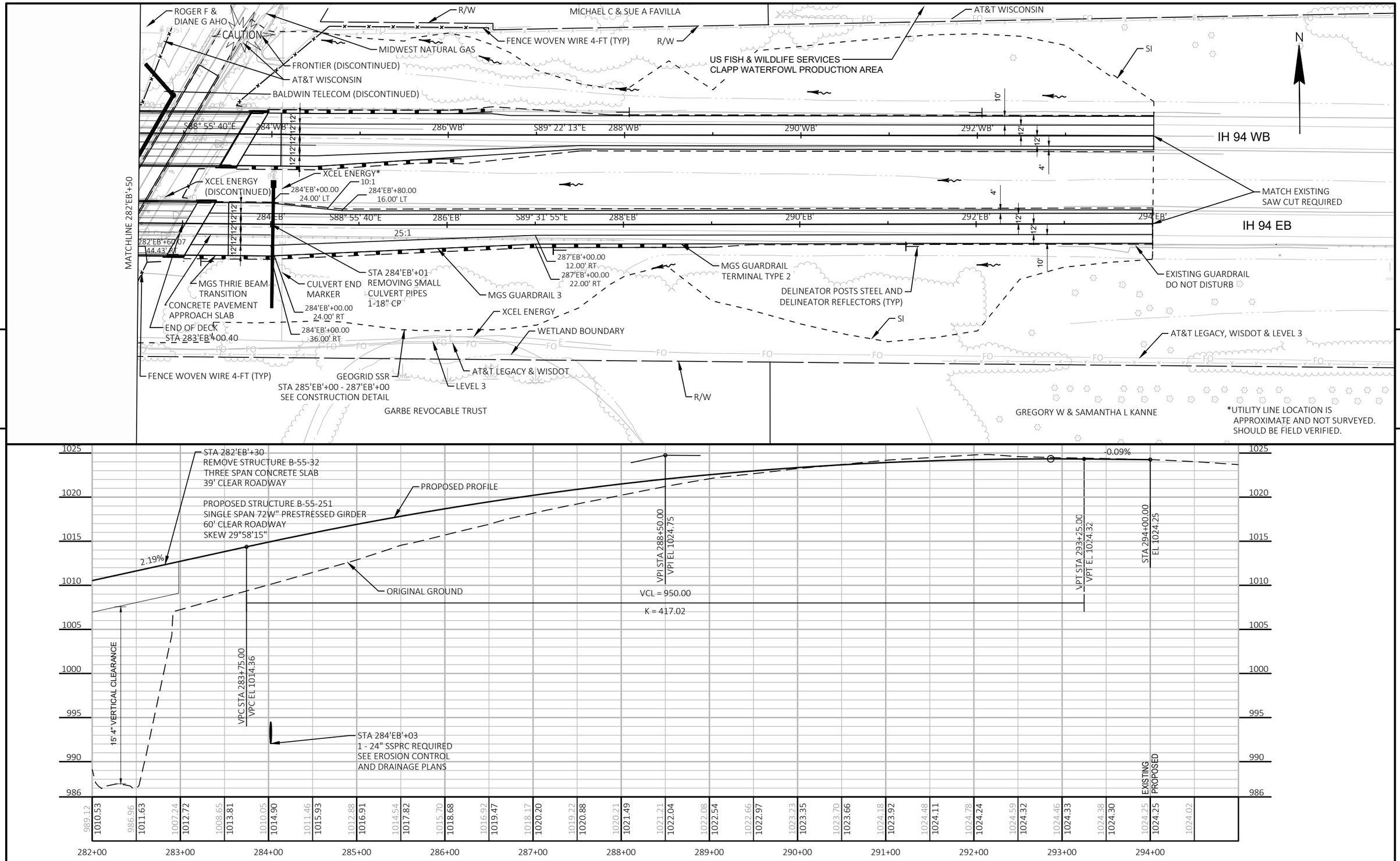
FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050102-pp
PLOT DATE : 5/8/2024 5:38 PM
PLOT BY : BRUCKNER, KAITLYN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT



SURVEY POINT TABLE						
BM ID	STA.	ALIGN.	COORDINATES		ELEV.	DESCRIPTION
BM1	280+75.37	IH 94 EB	X=540509.1677	Y=337880.5039	986.65'	3/8" SPIKE IN TREE
BMDL4322	281+58.88	IH 94 EB	X=540595.8947	Y=338052.0426	1003.28'	DISC IN WING WALL



PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: IH 94 EB AT KINNEY ROAD	SHEET 148	E



PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: IH 94 EB AT KINNEY ROAD	SHEET 149	E

GARBE REVOCABLE TRUST

LEVEL 3

AT&T LEGACY & WISDOT

R/W

280'EB'+73.49
148.98' RT

281'EB'+40.64
40.47' RT

281'EB'+49.53
40.38' RT

282'WB'+00.88
40.18' RT

281'EB'+86.53
30.36' RT

282'WB'+11.20
40.75' LT

281'EB'+91.79
29.04' RT

282'WB

282'EB

FENCE WOVEN WIRE 4-FT (TYP)

282'WB'+45.65
32.06' LT

282'WB'+51.96
32.11' LT

283'WB'+09.29
183.00' RT

ROGER F & DIANE G AHO

R/W

AT&T WISCONSIN

BALDWIN TELECOM (DISCONTINUED)

STORM SEWER 30-INCH

12'KX'+00.00
11.98' LT

12'CX'+00.00
0.00' RT
X: 540768.6250
Y: 338237.6858

BALDWIN TELECOM (DISCONTINUED)

9'KX'+24.93
12.16' LT

MATCH EXISTING
SAW CUT REQUIRED

N30° 41' 29"E

24'

KINNEY ROAD

MATCH EXISTING
SAW CUT REQUIRED

9'KX'+25.00
0.00' RT
X: 540627.5460
Y: 338001.6363

CAUTION

12'KX'+00.00
12.22' RT

MIDWEST NATURAL GAS

9'KX'+25.07
12.19' RT

MIDWEST NATURAL GAS

CAUTION

283'WB'+60.01
32.15' LT

283'WB'+65.86
31.28' LT

XCEL ENERGY (OVERHEAD)

AT&T WISCONSIN

LOCATED FIBER OPTIC

AT&T WISCONSIN

282'EB'+60.07
44.43' RT

282'EB'+99.53
29.39' RT

FRONTIER (DISCONTINUED)

283'WB'+17.04
39.94' LT

283'EB'+05.57
28.63' RT

283'WB'+24.31
39.76' RT

FRONTIER (DISCONTINUED)

R/W

282'EB'+11.72
148.03' LT

XCEL ENERGY
(DISCONTINUED)

282'EB'+76.03
43.46' RT

LEVEL 3

AT&T LEGACY & WISDOT

XCEL ENERGY*

284'WB'+64.74
122.89' RT

R/W

IH 94 EB

IH 94 WB

284'WB'

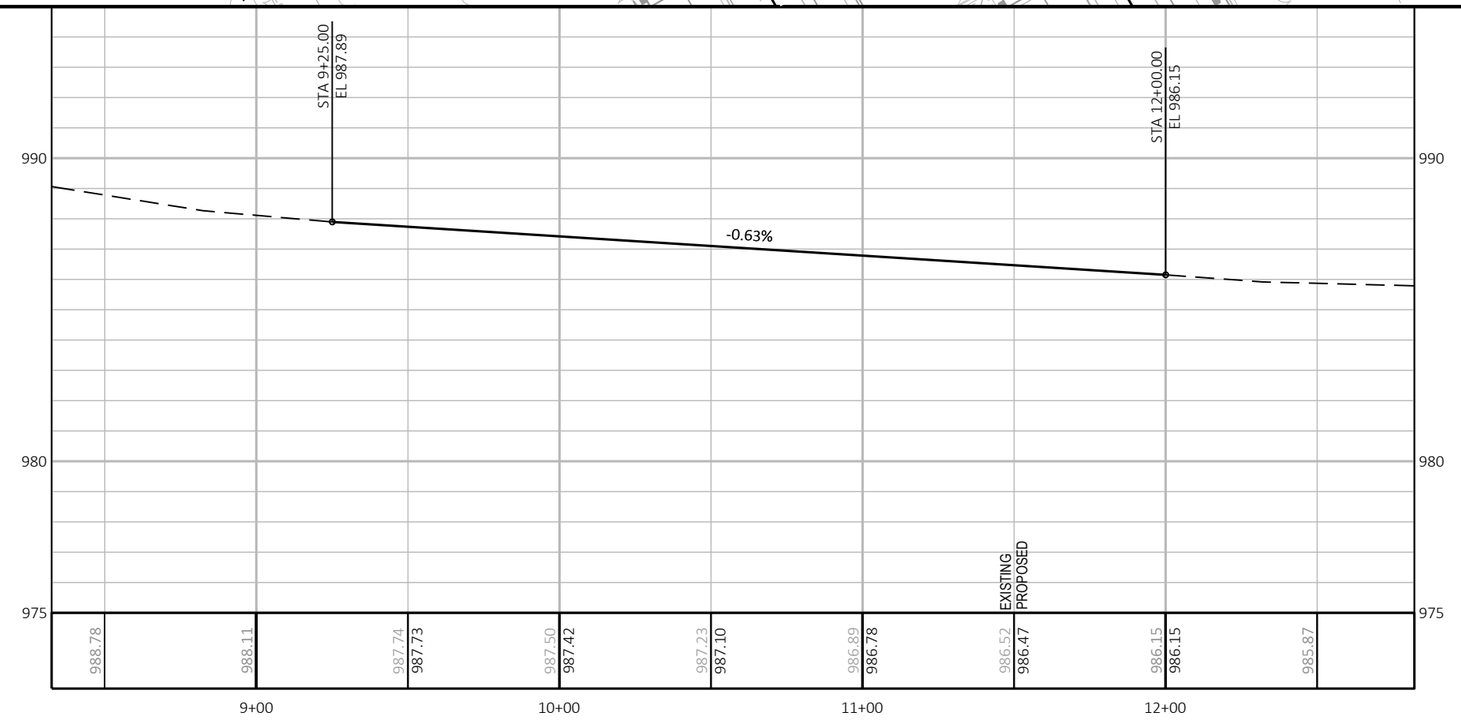
5

5

ROBERT W & CHRISTINE A WAXON

MICHAEL C & SUE A FAVILLA

*NO CONFLICTS ANTICIPATED



PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: KINNEY ROAD	SHEET 150	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050104a-pp

PLOT DATE : 5/8/2024 5:40 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

SURVEY POINT TABLE						
BM ID	STA.	ALIGN.	COORDINATES		ELEV.	DESCRIPTION
BM7	397+03.79	IH 94 WB	X=552006.1830	Y=337258.1940	1012.28'	'X' CHISEL IN WING WALL
BM8	395+90.72	IH 94 WB	X=551887.6280	Y=337389.4310	998.750'	3/8" SPIKE IN TREE

N

SAMUEL LAWRENCE KLEIN

CHARLENE A HERRICK

AT&T WISCONSIN

GLENRIDGE PROPERTIES LLC

391'WB'+96.90 166.51' LT

R/W

393'WB'+44.86 166.12' LT

390'WB'+49.85 102.95' LT

394'WB'+87.71 105.74' LT

CULVERT MARKER END

SI

DELINEATOR POSTS STEEL AND DELINEATOR REFLECTORS (TYP)

395'WB'+00.00 24.00' LT

394'WB'+80.00 22.00' LT

CONCRETE PAVEMENT APPROACH SLAB

AT&T WISCONSIN

FENCE WOVEN WIRE 4-FT (TYP)

100TH STREET

MIDWEST NATURAL GAS

CAUTION

JOSHUA STONER

R/W

AT&T WISCONSIN

MGS GUARDRAIL 3

MATCHLINE 399'WB'+00

IH 94 WB

388'WB' N87° 53' 37"E 390'WB' 392'WB' 393'WB'+07.37 0.00' RT 394'WB' 396'WB' 398'WB' N87° 39' 15"E

10:1

10:1

END OF DECK STA 395'WB'+92.16

END OF DECK STA 397'WB'+08.66

MATCH EXISTING SAW CUT REQUIRED

393'WB'+80.00 12.00' RT

393'WB'+80.00 16.00' RT

395'WB'+00.00 24.00' RT

395'WB'+00.00 36.00' RT

398'WB'+00.00 24.00' RT

398'WB'+00.00 36.00' RT

STA 391'WB'+92 REMOVING SMALL CULVERT PIPES 1-18" CMCP

IH 94 EB

388'EB' N87° 06' 16"E 390'EB' 392'EB' 394'EB' 396'EB' N8 398'EB'

MGS THRIE BEAM TRANSITION

388'R' N86° 30' 44"E 390'R' N86° 30' 44"E 392'R'

*UTILITY LINE LOCATION IS APPROXIMATE AND NOT SURVEYED. SHOULD BE FIELD VERIFIED.

SI

R/W

GLENRIDGE PROPERTIES LLC

R/W

AT&T LEGACY, WSDOT & LEVEL 3

BALDWIN TELECOM*

SCOTT A GRAY

R/W

5

5

1030 1025 1020 1015 1010 1005 1000 995

VCL = 210.00

K = 3116.87

-0.82% -0.68% -0.61%

PROPOSED PROFILE

ORIGINAL GROUND

STA 396'WB'+50 REMOVE STRUCTURE B-55-33 THREE SPAN CONCRETE SLAB 39' CLEAR ROADWAY

PROPOSED STRUCTURE B-55-252 SINGLE SPAN 54W" PRESTRESSED GIRDER 60' CLEAR ROADWAY SKEW 0°0'0"

VPC STA 397+62.08 VPC EL 1016.47

STA 388+00.00 EL 1022.47

VPC STA 388+45.00 VPC EL 1022.16

VPI STA 389+50.00 VPI EL 1021.45

VPT STA 390+55.00 VPT EL 1020.81

15' 4" VERTICAL CLEARANCE

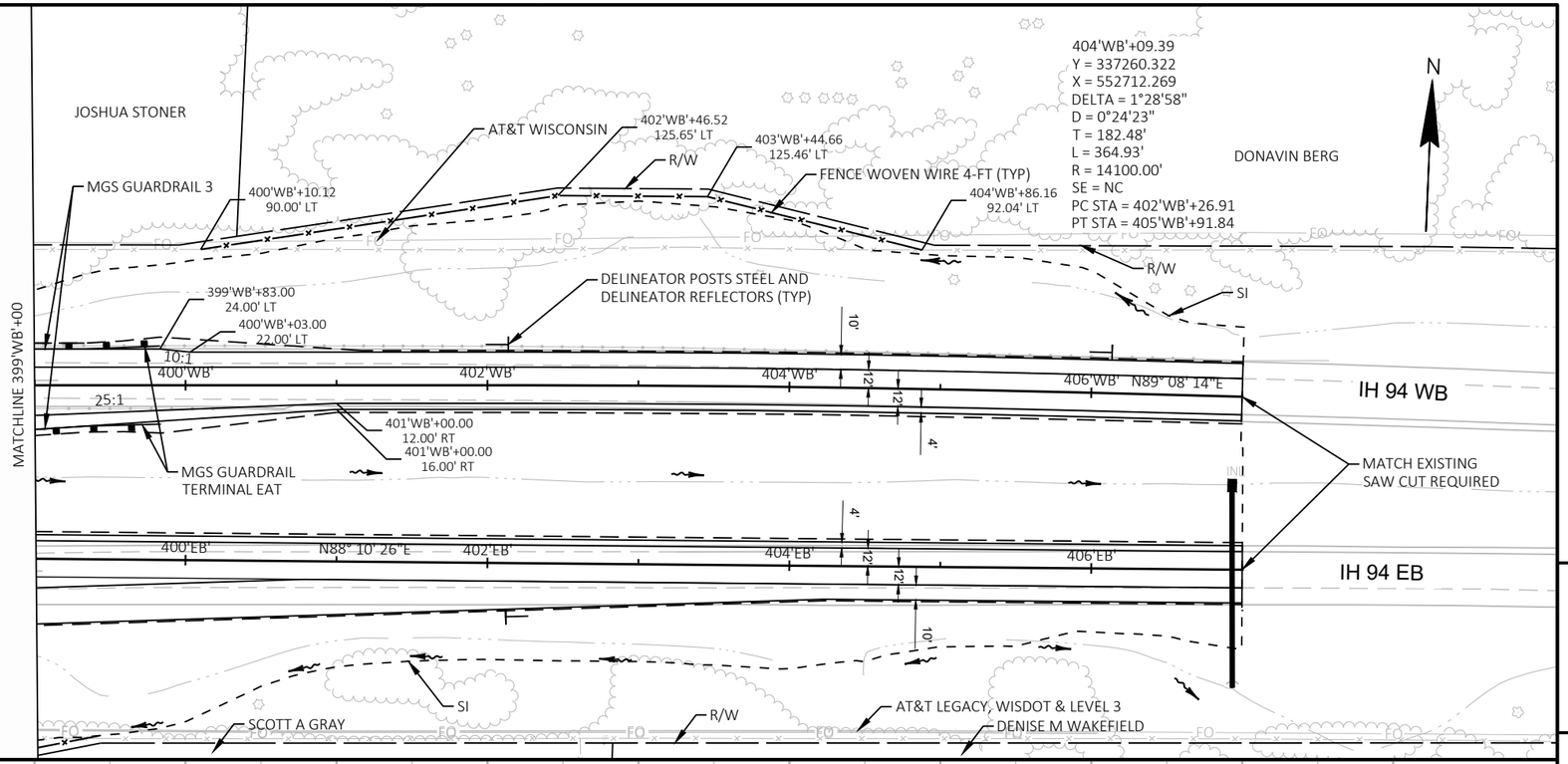
STA 391'WB'+92 1 - 24" SSPRC REQUIRED SEE EROSION CONTROL AND DRAINAGE PLANS

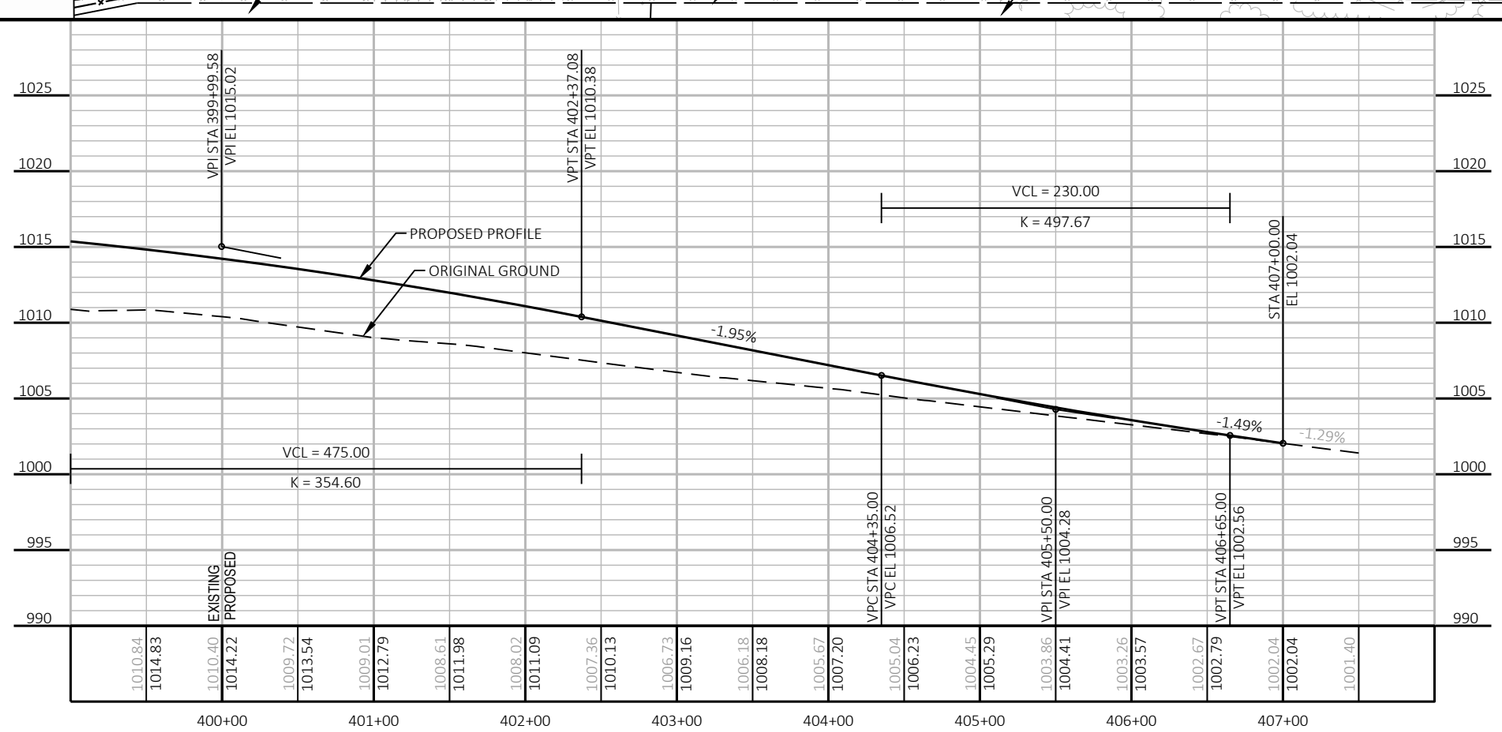
VCL = 475.00

K = 354.60

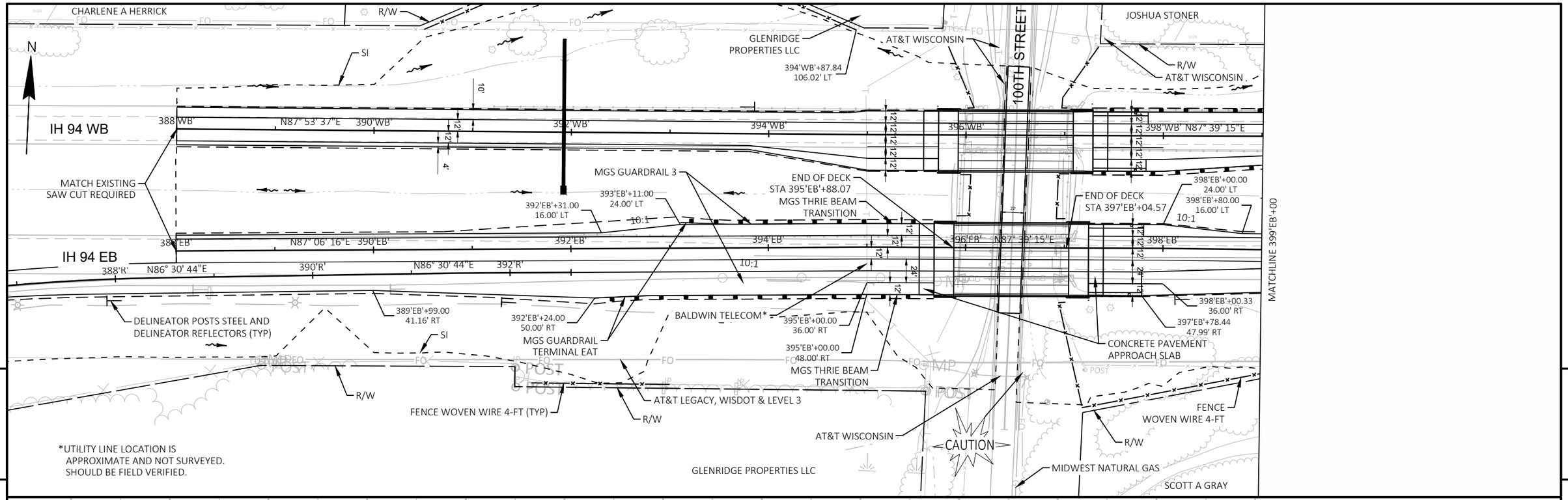
EXISTING / PROPOSED

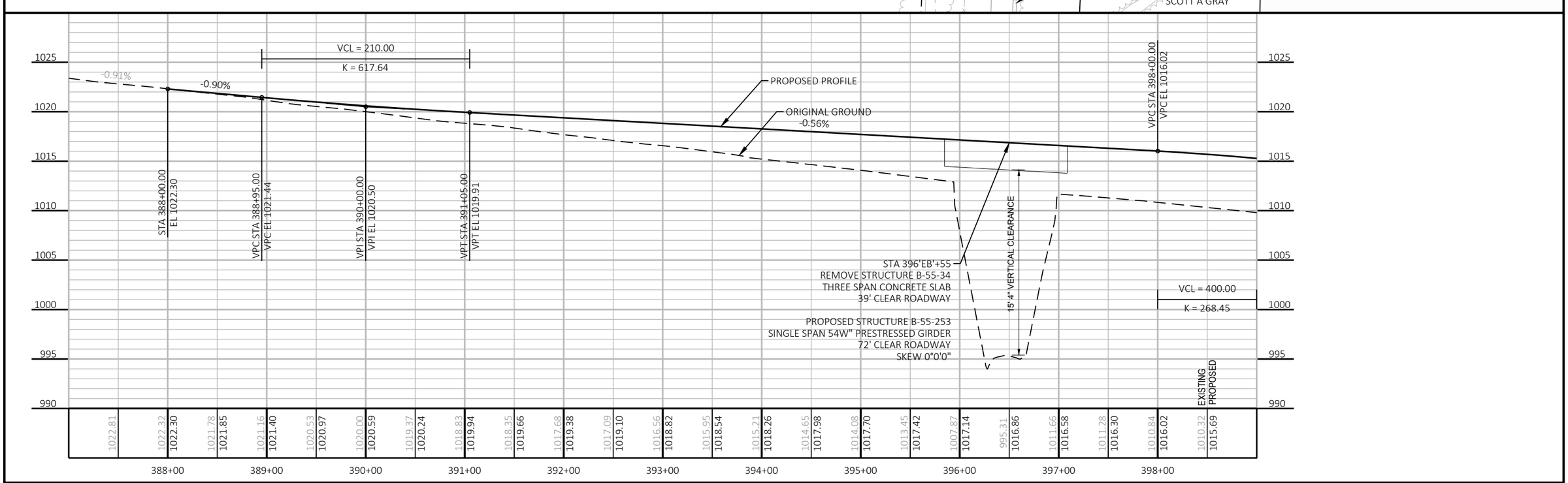
| | | | | | |





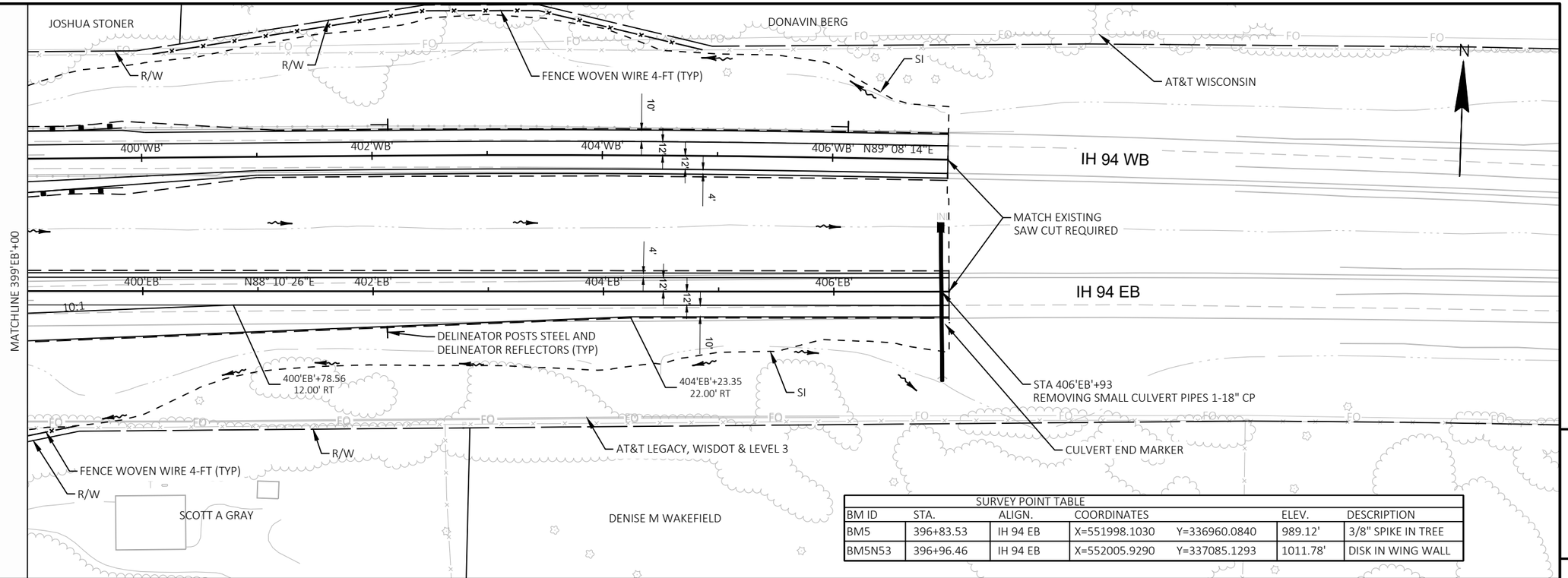
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: IH 94 WB AT 100TH STREET	SHEET 152	E



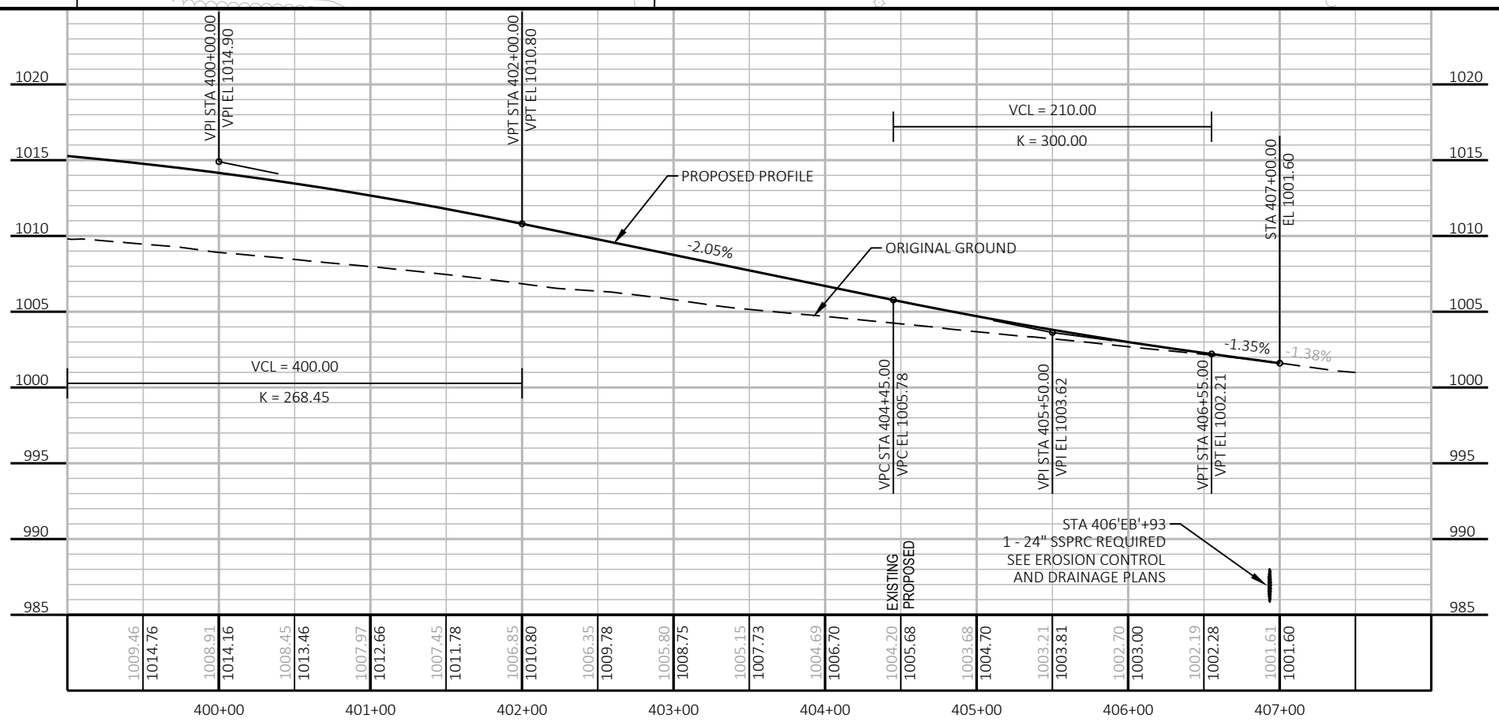


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: IH 94 EB AT 100TH STREET	SHEET 153	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050107-pp
PLOT DATE : 5/8/2024 5:41 PM
PLOT BY : BRUCKNER, KAITLYN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



SURVEY POINT TABLE						
BM ID	STA.	ALIGN.	COORDINATES		ELEV.	DESCRIPTION
BM5	396+83.53	IH 94 EB	X=551998.1030	Y=336960.0840	989.12'	3/8" SPIKE IN TREE
BM5N53	396+96.46	IH 94 EB	X=552005.9290	Y=337085.1293	1011.78'	DISK IN WING WALL

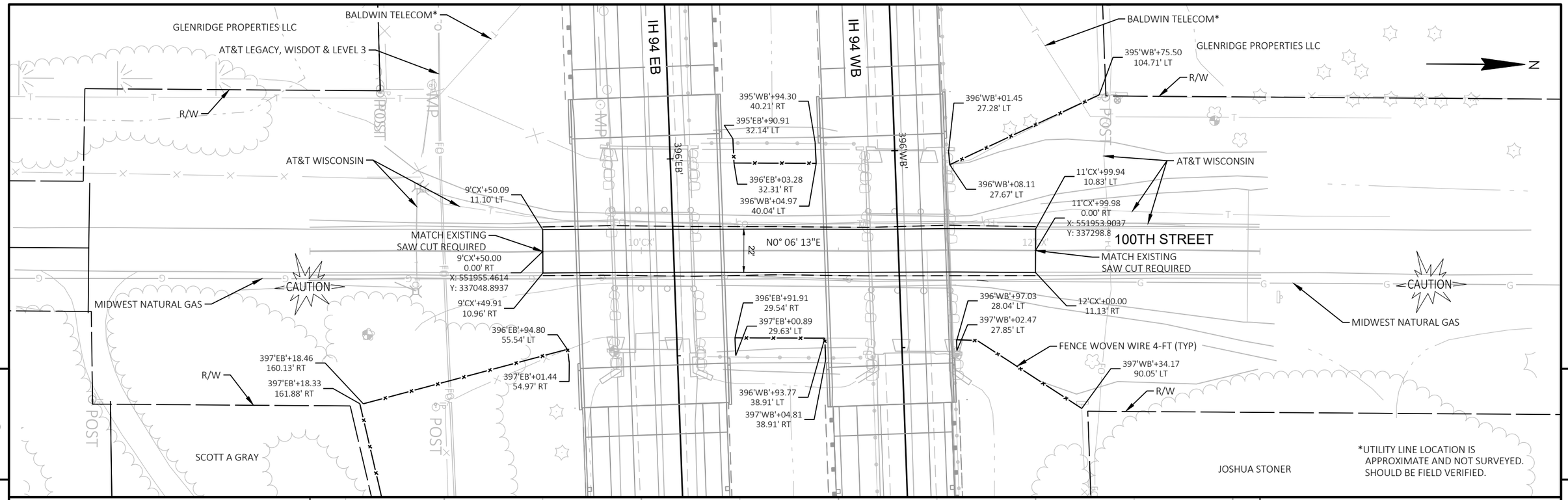


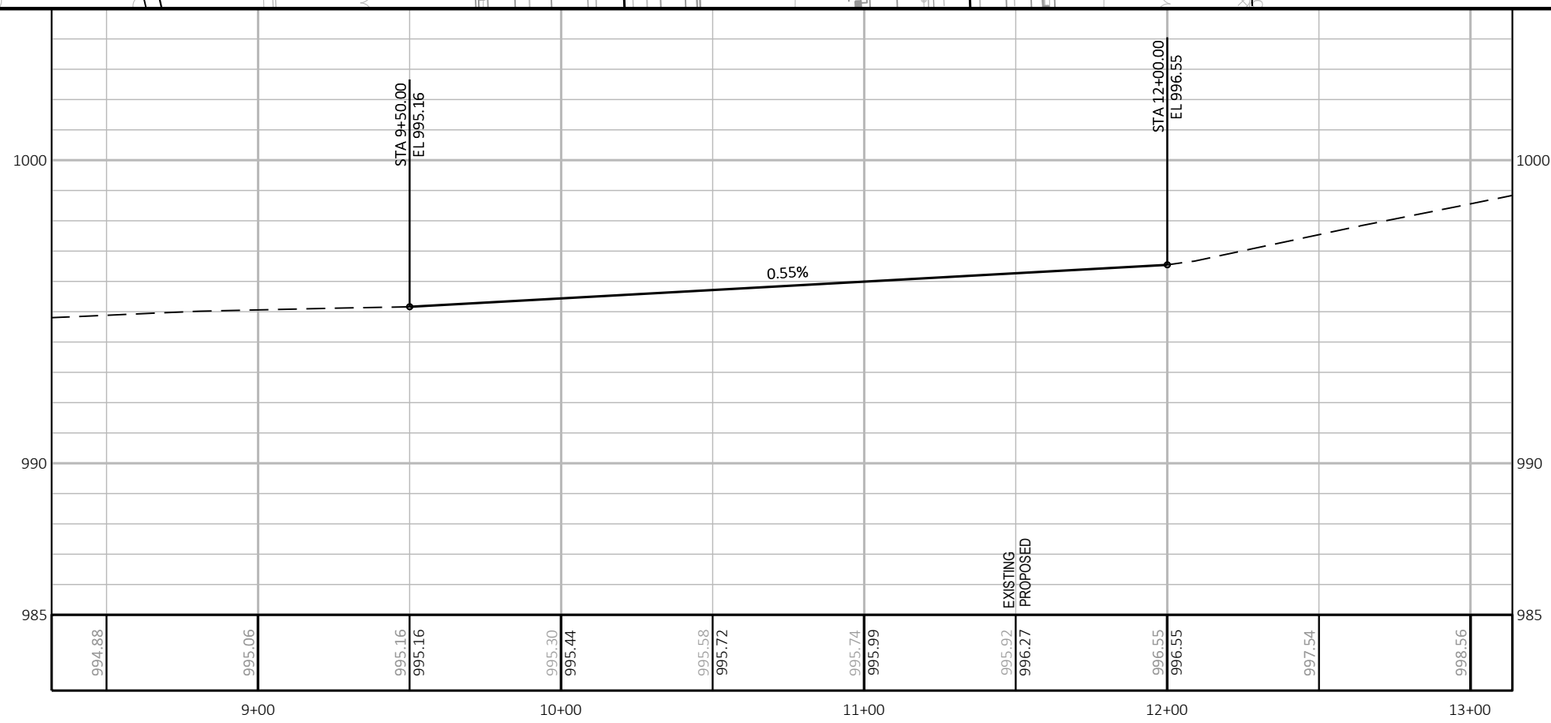
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: IH 94 EB AT 100TH STREET	SHEET 154	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050108-pp

PLOT DATE : 5/8/2024 5:41 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

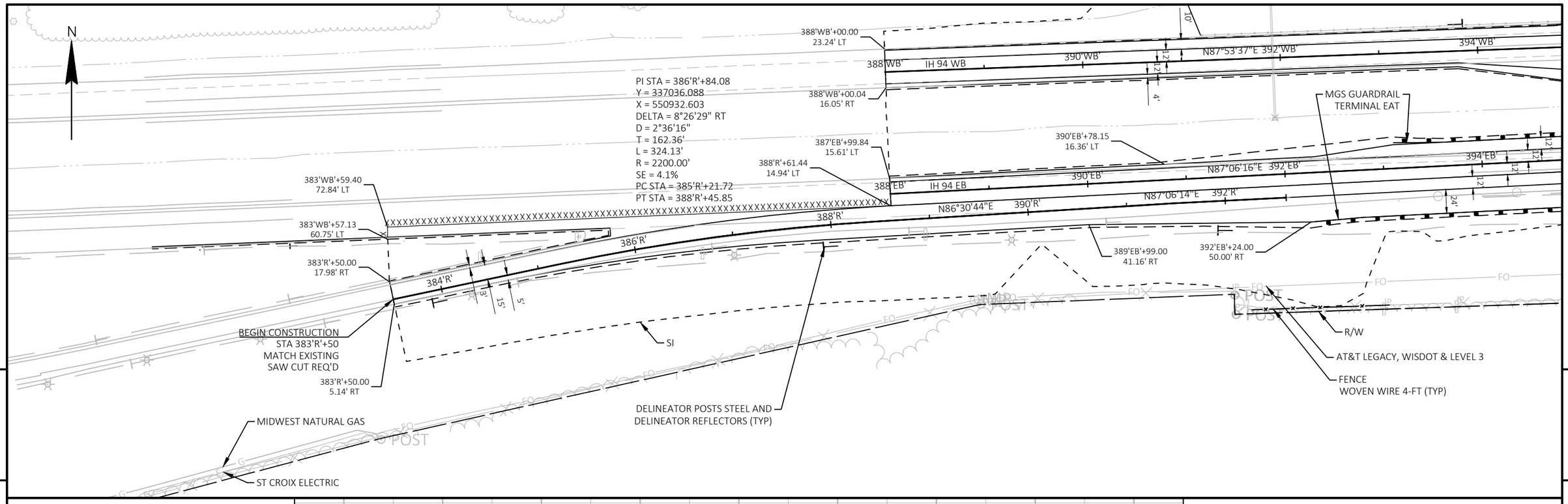


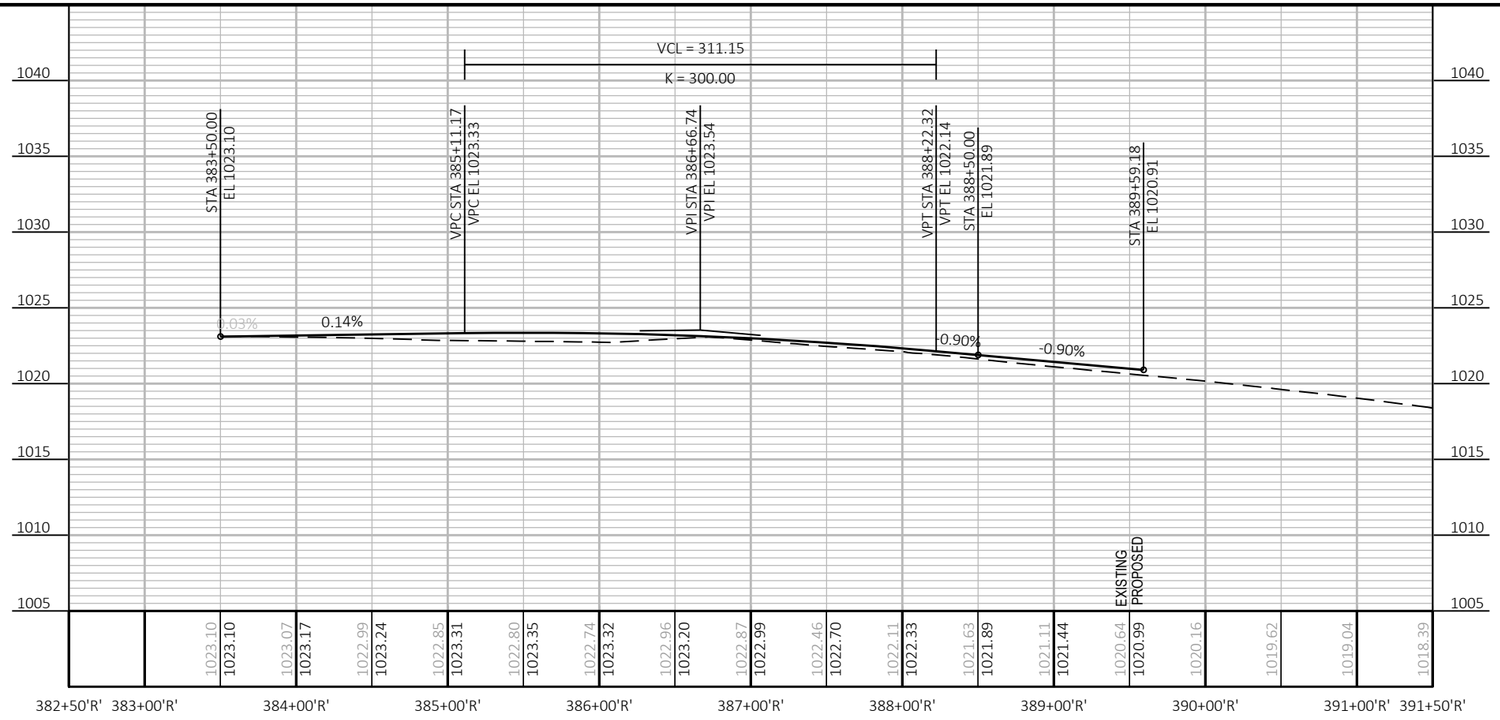


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: 100TH STREET	SHEET 155	E

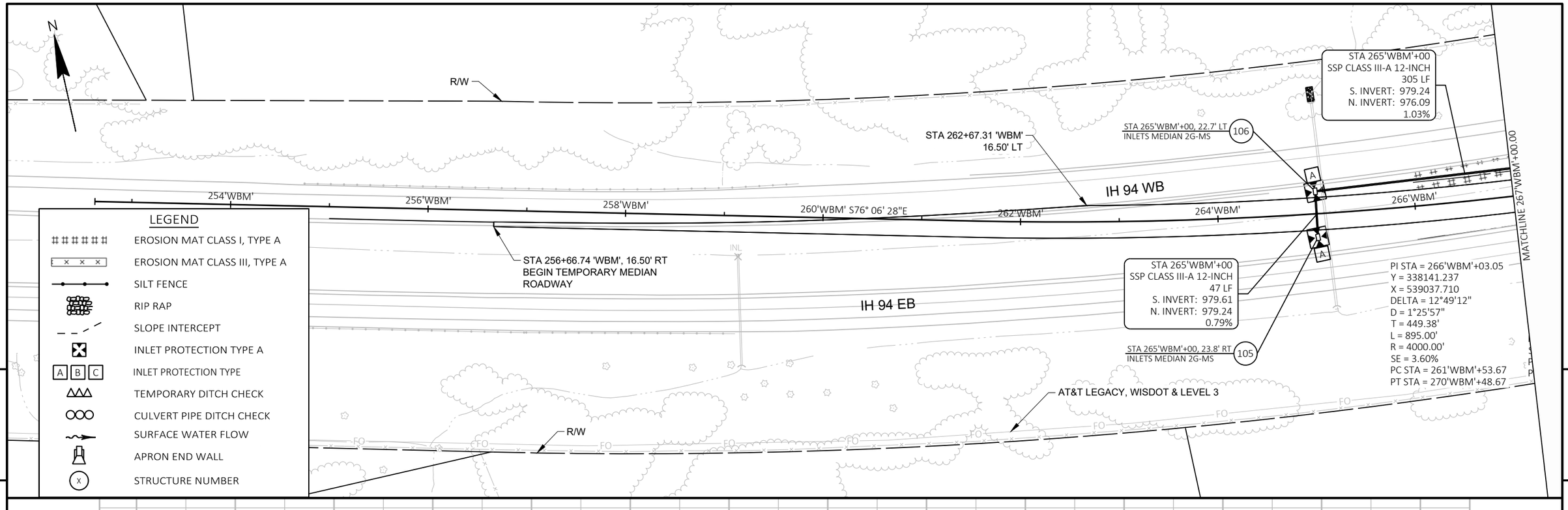
FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050109-pp

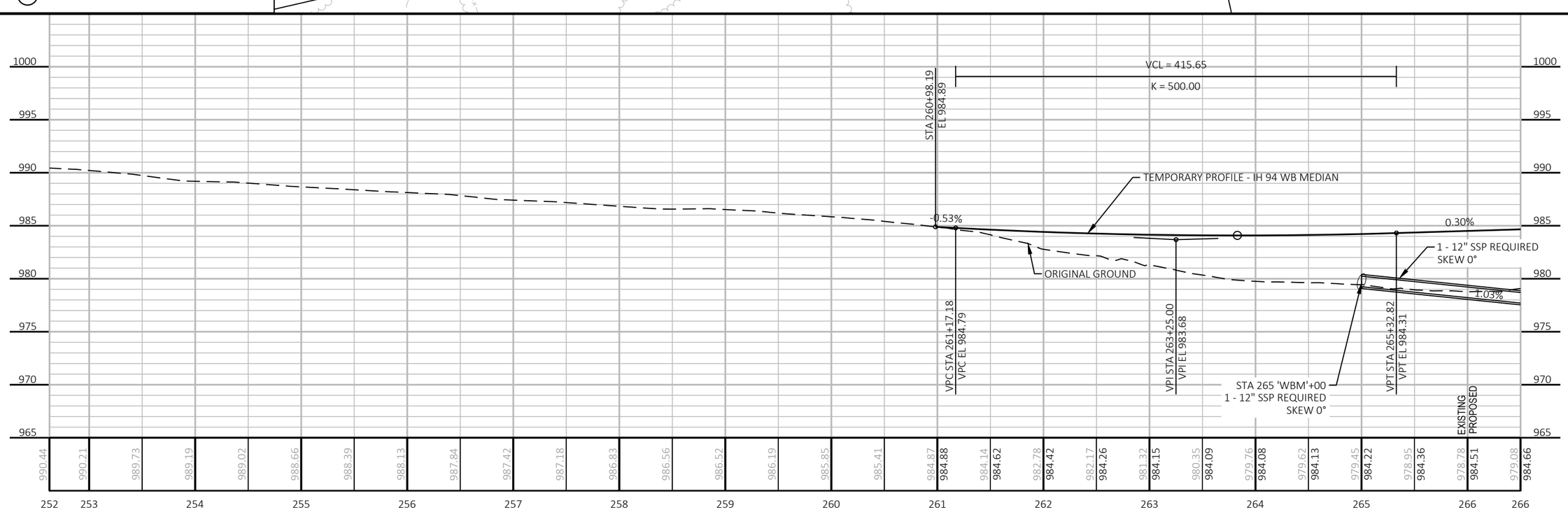
PLOT DATE : 5/8/2024 5:42 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:50 FT



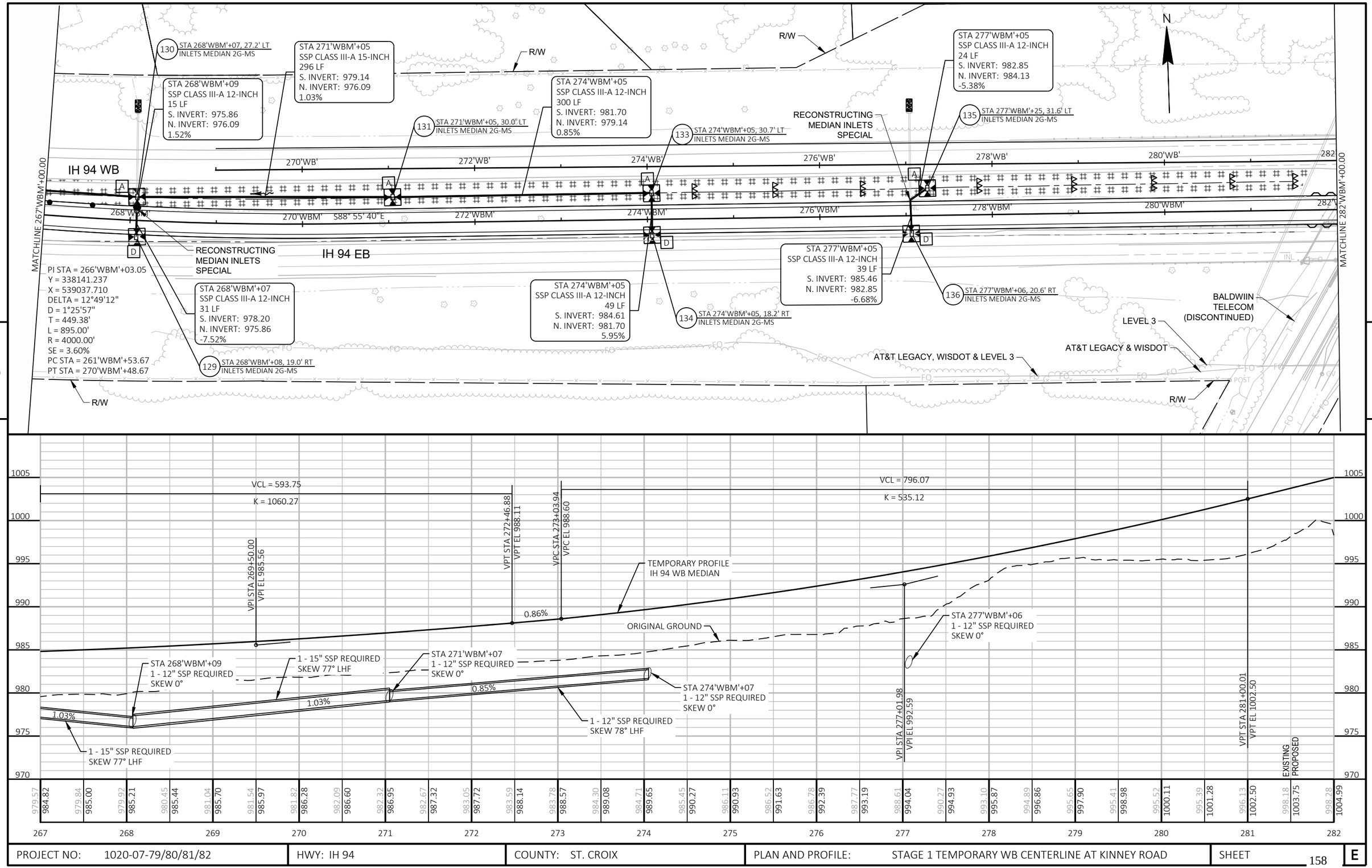


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: SWEF RAMP	SHEET 156	E





PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: STAGE 1 TEMPORARY WB CENTERLINE AT KINNEY ROAD	SHEET 157	E



PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: STAGE 1 TEMPORARY WB CENTERLINE AT KINNEY ROAD	SHEET 158	E

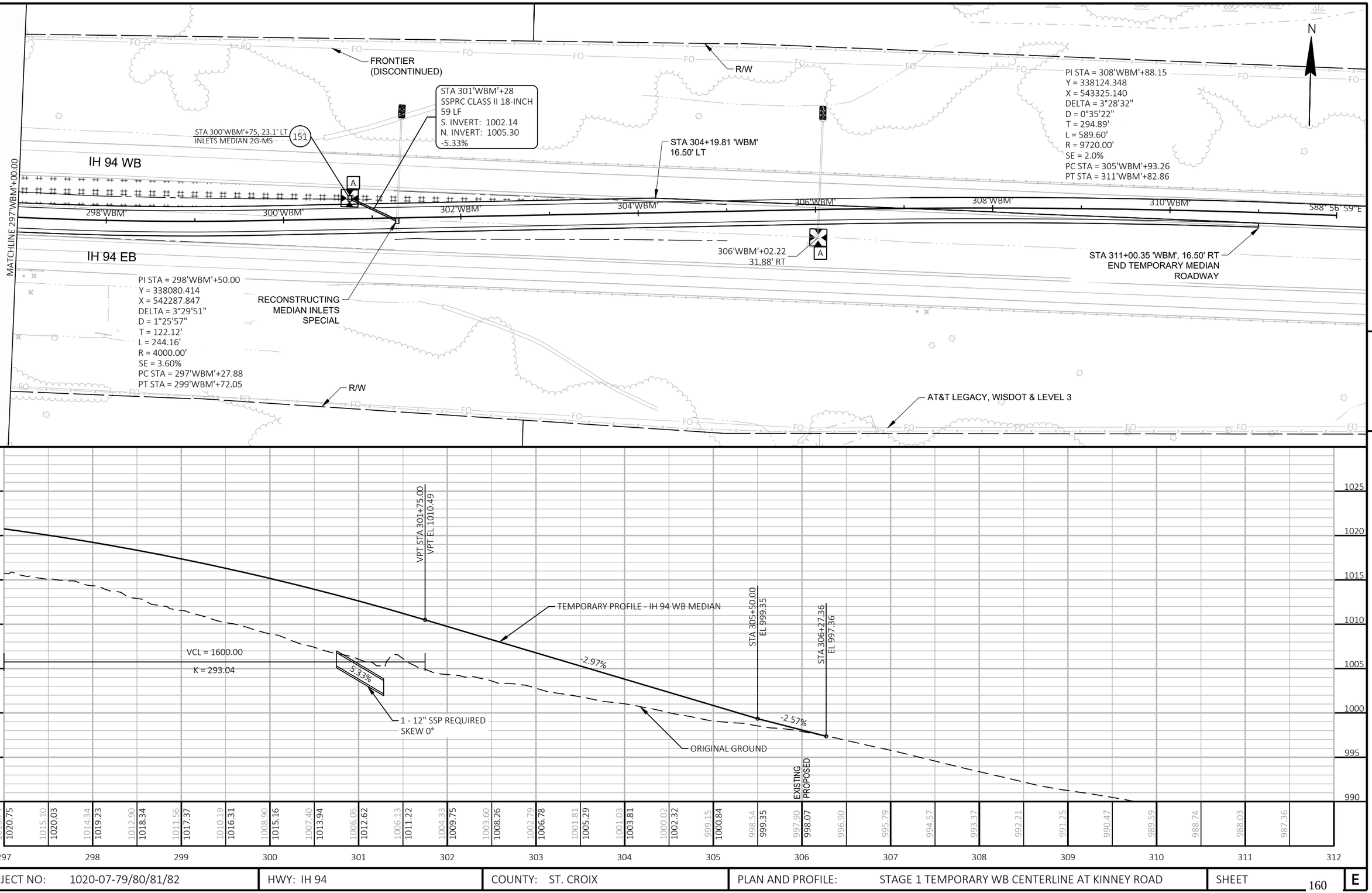
FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\050110-PP.DWG
LAYOUT NAME - 050111-pp
PLOT DATE : 5/8/2024 5:50 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

R/W
AT&T WISCONSIN
BALDWIN TELECOM (DISCONTINUED)
MIDWEST NATURAL GAS
CAUTION
RECONSTRUCTING MEDIAN INLETS SPECIAL
FRONTIER (DISCONTINUED)
1 - APRON ENDWALL FOR CULVERT PIPE 12-INCH REQ'D STA 282'WBM'+32 181' LT
STA 282'WBM'+12
SSP CLASS III-A 12-INCH
50 LF
S. INVERT: 978.36
N. INVERT: 973.50
9.77%
STA 284'WBM'+25
SSP CLASS III-A 18-INCH
24 LF
S. INVERT: 998.36
N. INVERT: 999.92
6.60%
STA 284'WBM'+25
SSP CLASS III-A 12-INCH
275 LF
S. INVERT: 1010.30
N. INVERT: 999.92
-3.77%
R/W
STA 290'WBM'+99
SSP CLASS III-A 12-INCH
46 LF
S. INVERT: 1019.89
N. INVERT: 1018.00
4.08%
1 - APRON ENDWALL FOR CULVERT PIPE 12-INCH REQ'D STA 291'WBM'+00 29.90' LT
1 - APRON ENDWALL FOR CULVERT PIPE 12-INCH REQ'D STA 296'WBM'+00 28.90' LT
137 STA 284'WBM'+25, 26.5' LT INLETS MEDIAN 2G-MS
138 STA 287'WBM'+00, 27.1' LT INLETS MEDIAN 2G-MS
TRACKING PADS
TEMPORARY STRUCTURE
284'WB'
286'WB'
288'WB'
290'WB'
292'WB'
IH 94 WB
284'WBM'
286'WBM'
288'WBM'
290'WBM'
292'WBM'
294'WBM'
S88° 55' 40"E
296'WBM'
MATCHLINE 282'WBM'+00.00
MATCHLINE 297'WBM'+00.00
AT&T WISCONSIN
IH 94 EB
STA 284'WBM'+25
SSP CLASS III-A 18-INCH
46 LF
S. INVERT: 1003.23
N. INVERT: 999.92
-7.20%
STA 286'WBM'+99
SSP CLASS III-A 12-INCH
45 LF
S. INVERT: 1014.18
N. INVERT: 1010.30
-8.64%
157 STA 291'WBM'+00, 16.5' RT INLETS MEDIAN 2G-MS
STA 296'WBM'+00
SSP CLASS III-A 12-INCH
45 LF
S. INVERT: 1019.26
N. INVERT: 1017.46
3.96%
155 STA 284'WBM'+25, 19.4' RT INLETS MEDIAN 2G-MS
156 STA 287'WBM'+00, 17.8' RT INLETS MEDIAN 2G-MS
STA 296'WBM'+00, 16.5' RT INLETS MEDIAN 2G-MS 153
LOCATED FIBER OPTIC*
FRONTIER (DISCONTINUED)
XCEL ENERGY
R/W
XCEL ENERGY
WETLAND BOUNDARY
AT&T LEGACY, WISDOT & LEVEL 3
AT&T LEGACY, WISDOT & LEVEL 3
*NO CONFLICTS ANTICIPATED
N

VPC STA 285+75.00
VPC EL 1014.33
TEMPORARY PROFILE - IH 94 WB MEDIAN
ORIGINAL GROUND
2.49%
3.17%
VCL = 1600.00
K = 293.04
STA 284'WBM'+03
1 - 12" SSP REQUIRED
SKEW 0°
1 - 12" SSP REQUIRED
SKEW 0°
STA 284'WBM'+25
1 - 18" SSP REQUIRED
SKEW 0°
EXISTING
PROPOSED

| | | |



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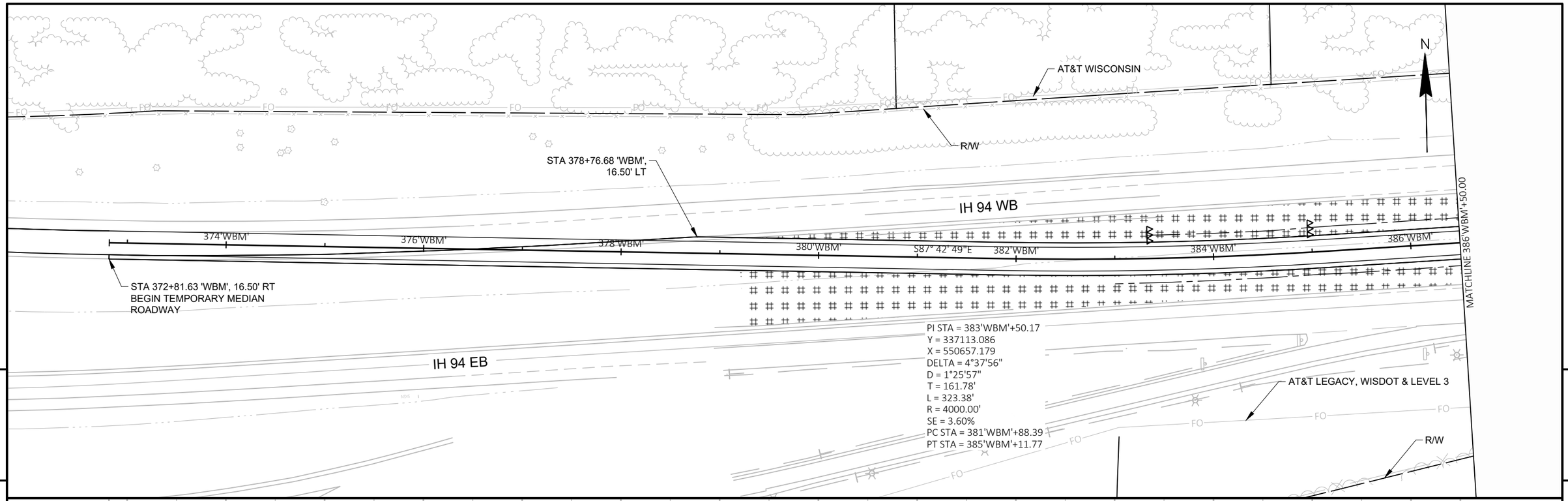
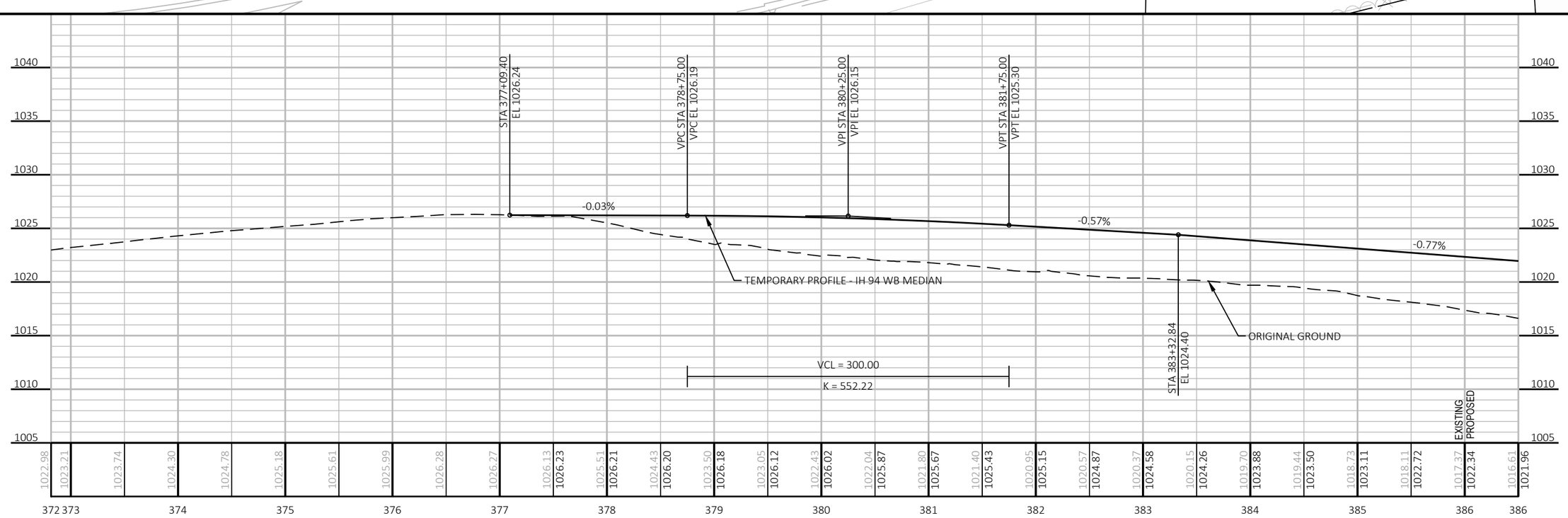
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: STAGE 1 TEMPORARY WB CENTERLINE AT KINNEY ROAD	SHEET 160	E

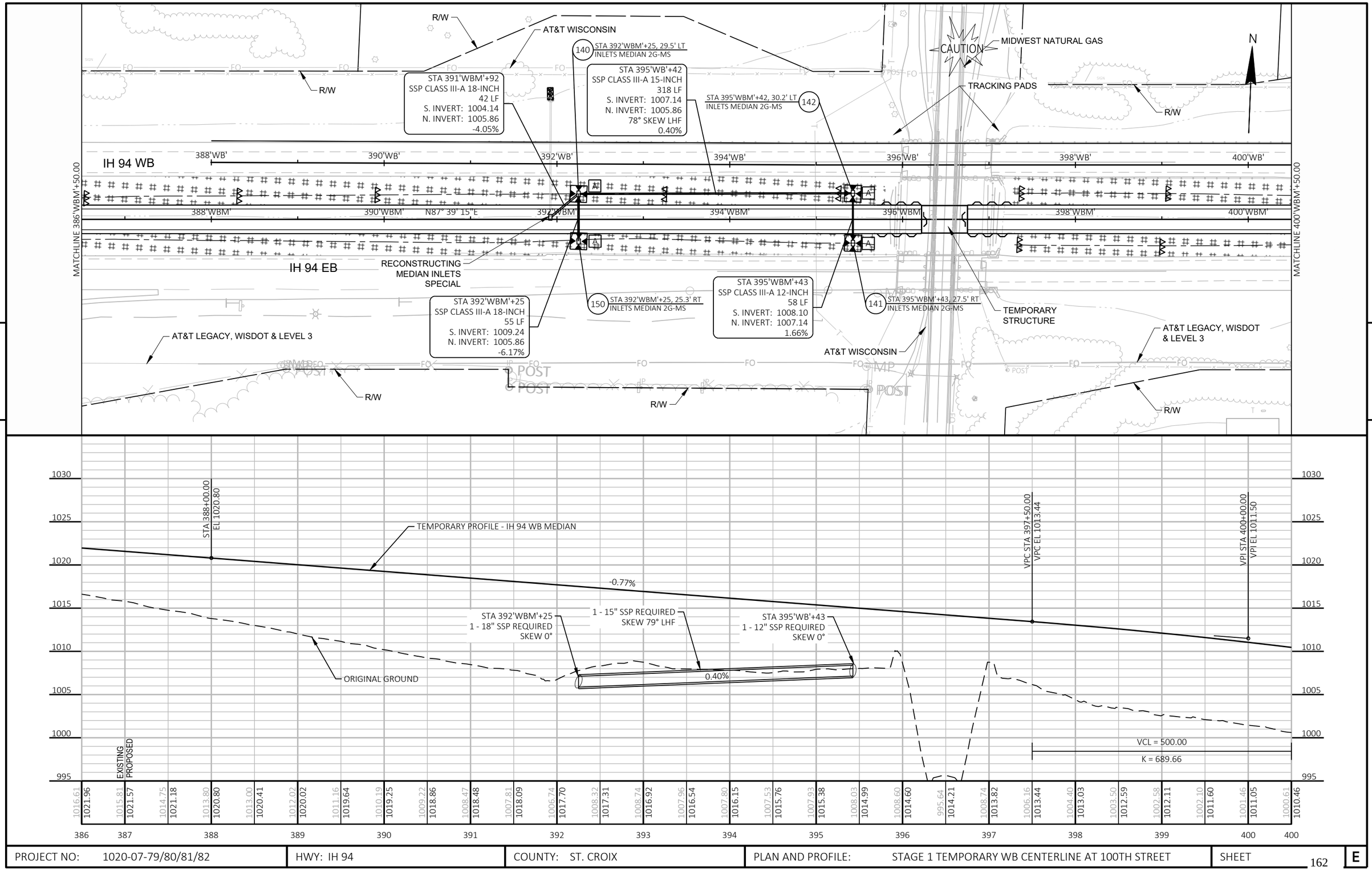
FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\050110-PP.DWG
LAYOUT NAME - 050113-pp
PLOT DATE : 5/8/2024 5:51 PM
PLOT BY : BRUCKNER, KAITLYN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44





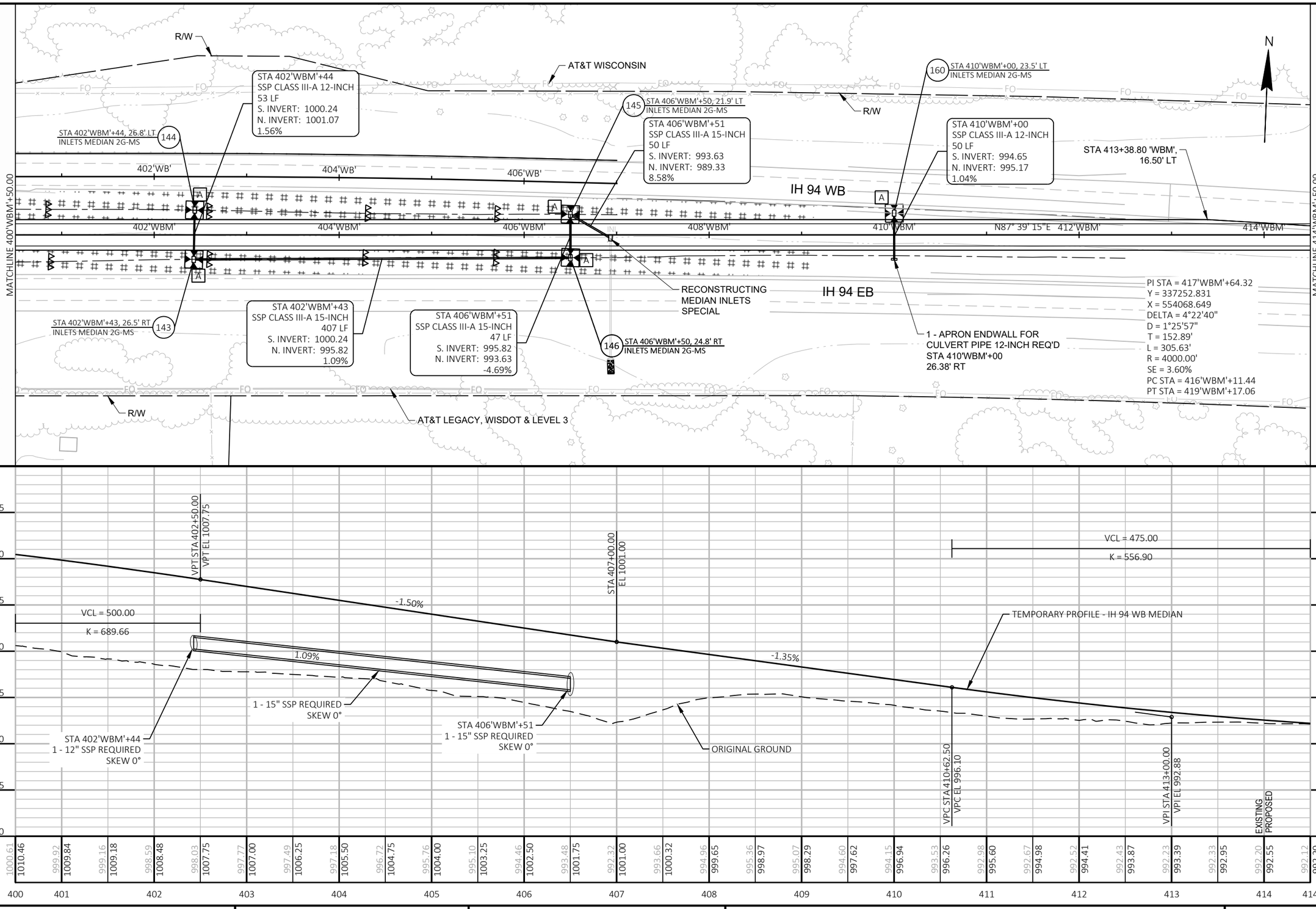
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: STAGE 1 TEMPORARY WB CENTERLINE AT 100TH STREET	SHEET 161	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\050110-PP.DWG
LAYOUT NAME - 050115-pp
PLOT DATE : 5/8/2024 5:52 PM
PLOT BY : BRUCKNER, KAITLYN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



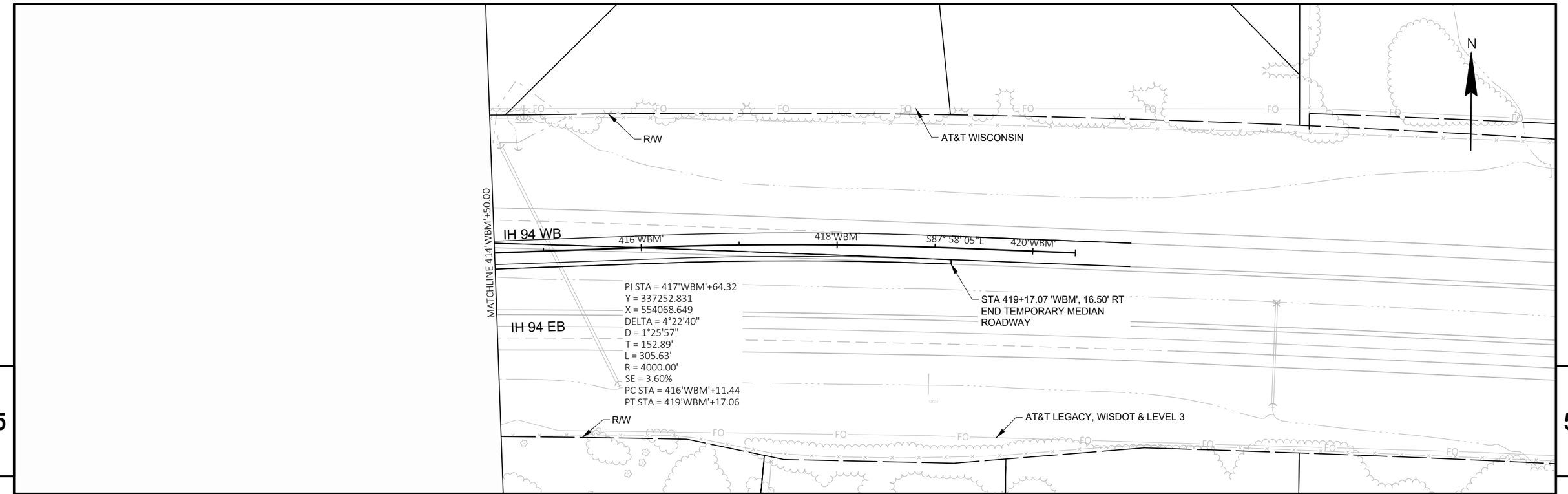
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: STAGE 1 TEMPORARY WB CENTERLINE AT 100TH STREET	SHEET 162	E

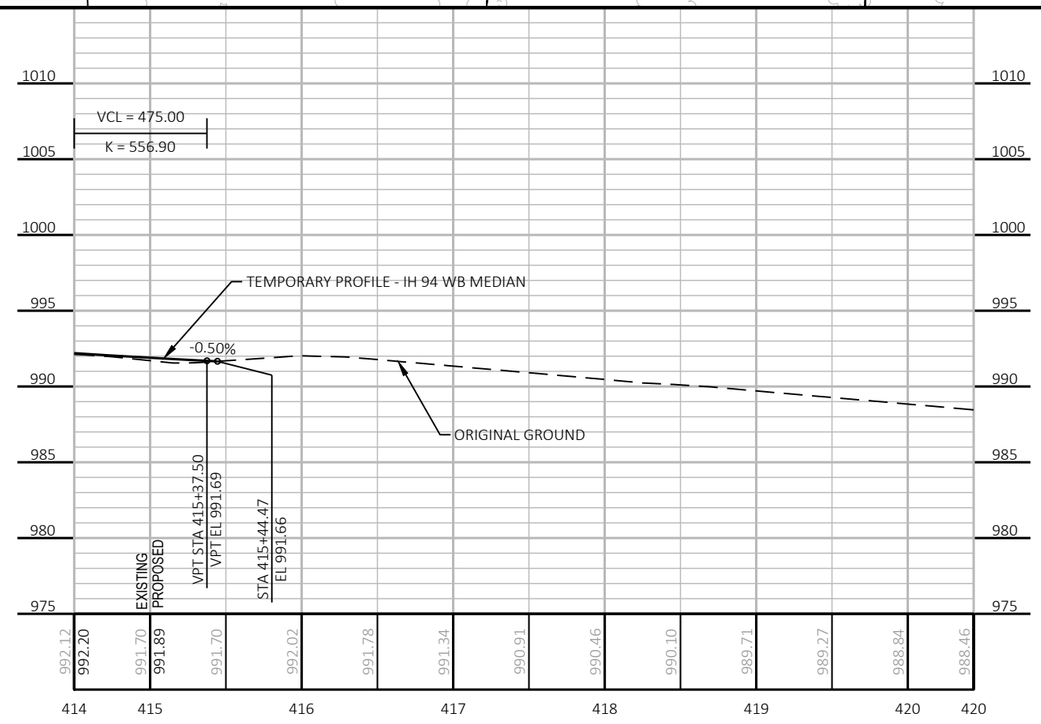
FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\050110-PP.DWG
LAYOUT NAME - 050116-pp
PLOT DATE : 5/8/2024 5:52 PM
PLOT BY : BRUCKNER, KAITLYN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT



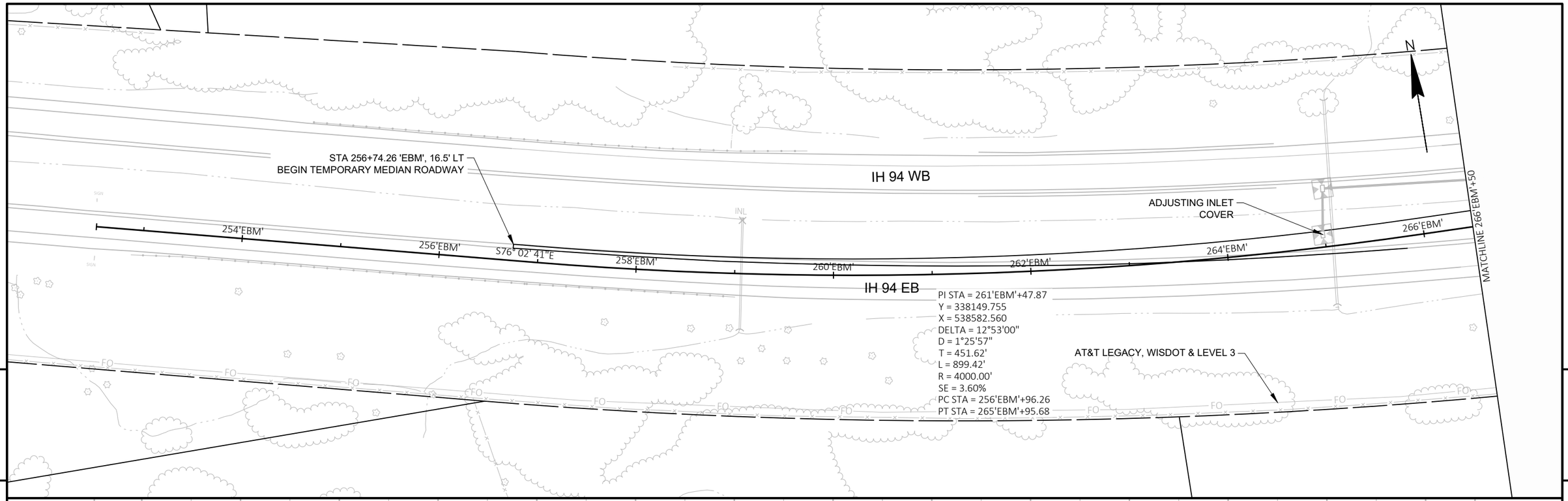
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: STAGE 1 TEMPORARY WB CENTERLINE AT 100TH STREET	SHEET 163 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\050110-PP.DWG
LAYOUT NAME - 050117-pp
PLOT DATE : 5/8/2024 5:52 PM
PLOT BY : BRUCKNER, KAITLYN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: STAGE 1 TEMPORARY WB CENTERLINE AT 100TH STREET	SHEET 164	E

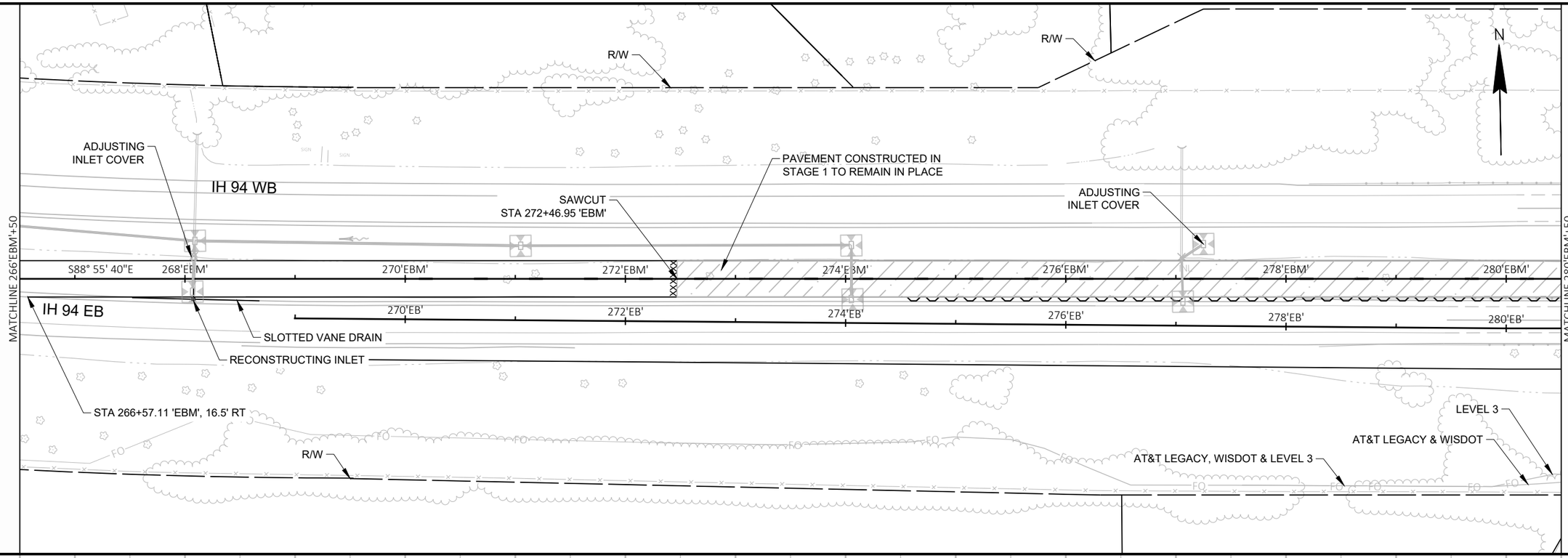


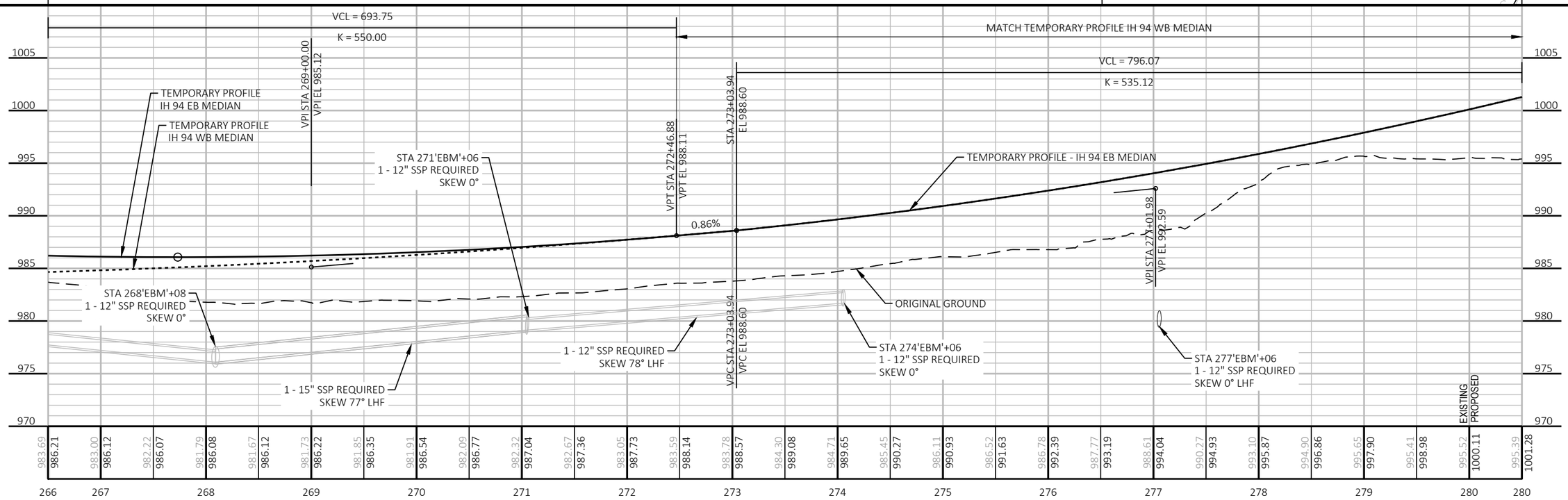
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: STAGE 3A TEMPORARY EB CENTERLINE AT KINNEY ROAD	SHEET 165 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\050120-PP.DWG
LAYOUT NAME - 050120-pp

PLOT DATE : 5/8/2024 5:56 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: STAGE 3A TEMPORARY EB CENTERLINE AT KINNEY ROAD	SHEET 166	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\050120-PP.DWG
LAYOUT NAME - 050121-pp
PLOT DATE : 5/8/2024 5:56 PM
PLOT BY : BRUCKNER, KAITLYN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

AT&T WISCONSIN
R/W
R/W
R/W
N
FRONTIER (DISCONTINUED)
BALDWIN TELECOM (DISCONTINUED)
CAUTION
MIDWEST NATURAL GAS
PAVEMENT CONSTRUCTED IN STAGE 1 TO REMAIN IN PLACE
TEMPORARY STRUCTURE CONSTRUCTED IN STAGE 1
IH 94 WB
MATCHLINE 280'EBM'+50
MATCHLINE 294'EBM'+50
282'EBM'
284'EBM'
S88° 55' 40"E
286'EBM'
288'EBM'
290'EBM'
292'EBM'
294'EBM'
IH 94 EB
282'EB'
284'EB'
286'EB'
288'EB'
290'EB'
292'EB'
294'EB'
AT&T WISCONSIN
BALDWIIN TELECOM (DISCONTINUED)
FRONTIER (DISCONTINUED)
LOCATED FIBER OPTIC*
XCEL ENERGY
XCEL ENERGY
WETLAND BOUNDARY
AT&T LEGACY, WISDOT & LEVEL 3
R/W
R/W
AT&T LEGACY, WISDOT & LEVEL 3
*NO CONFLICTS ANTICIPATED

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MATCH TEMPORARY PROFILE IH 94 WB MEDIAN

VPC STA 285+74.96
VPC EL 1014.33
TEMPORARY PROFILE - IH 94 EB MEDIAN
VPI STA 290+99.38
VPI EL 1027.39
VCL = 796.07
K = 535.12
VPT STA 281+00.01
VPT EL 1002.50
2.49%
STA 284'EBM'+25
1 - 18" SSP REQUIRED
SKEW 0°
ORIGINAL GROUND
STA 287'EBM'+00
1 - 12" SSP REQUIRED
SKEW 0°
VCL = 1048.85
K = 293.04
1 - 12" SSP REQUIRED
SKEW 0°
EXISTING
PROPOSED

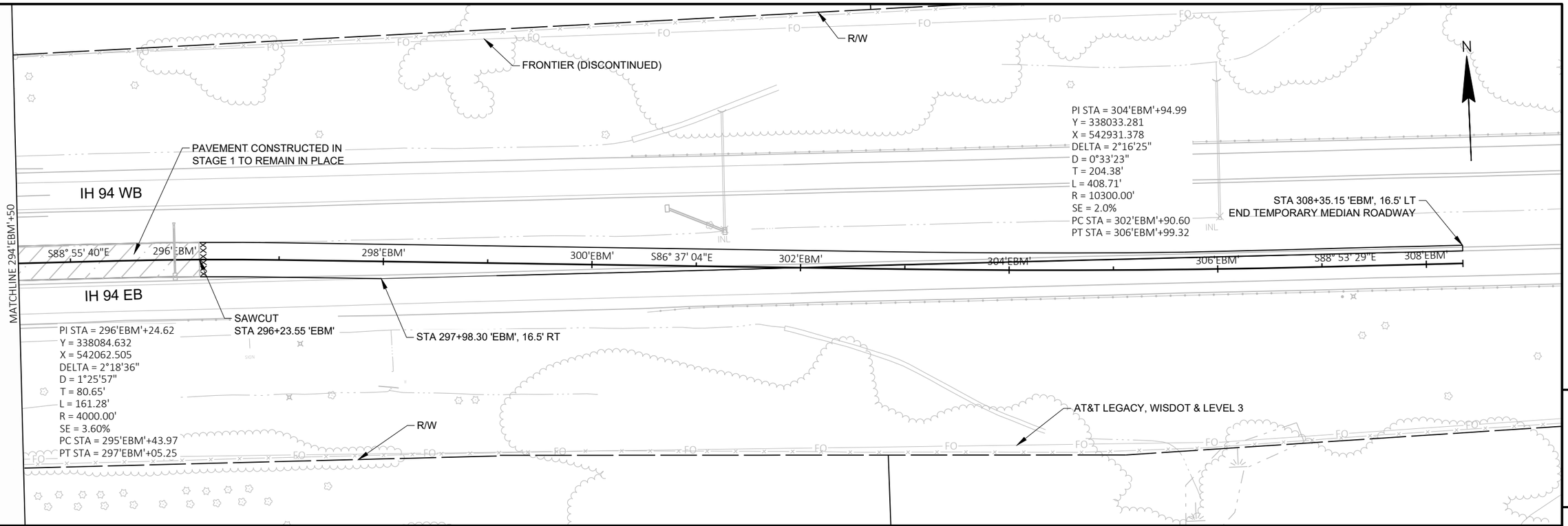
1030 1025 1020 1015 1010 1005 1000 995

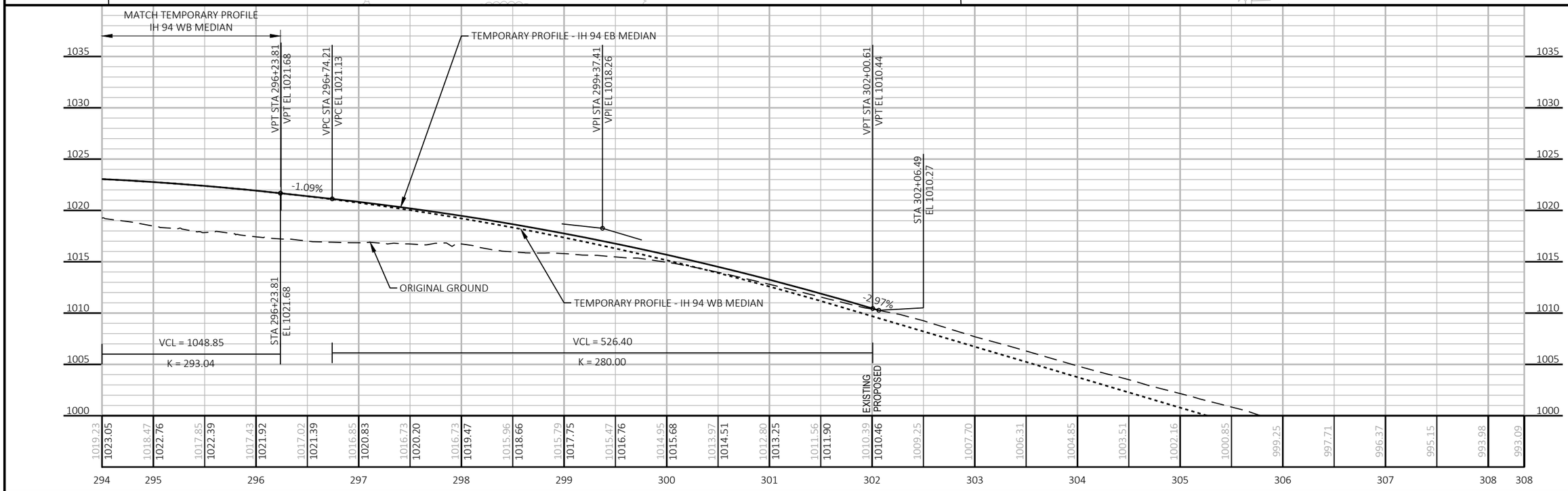
995.39	996.13	998.18	998.28	987.15	996.82	1003.54	1004.03	1005.44	1006.95	1008.40	1010.06	1011.28	1012.73	1013.69	1014.79	1015.41	1016.36	1016.96	1017.58	1017.68	1018.20	1018.30	1018.56	1018.67	1018.60	1018.90	1019.21	1019.23
1001.28	1002.50	1003.75	1004.99	1006.24	1007.48	1008.73	1009.97	1011.22	1012.46	1013.71	1014.94	1016.10	1017.18	1018.16	1019.07	1019.89	1020.62	1021.27	1021.83	1022.31	1022.70	1023.01	1023.23	1023.36	1023.41	1023.38	1023.26	1023.05

280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 294

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: STAGE 3A TEMPORARY EB CENTERLINE AT KINNEY ROAD	SHEET 167	E

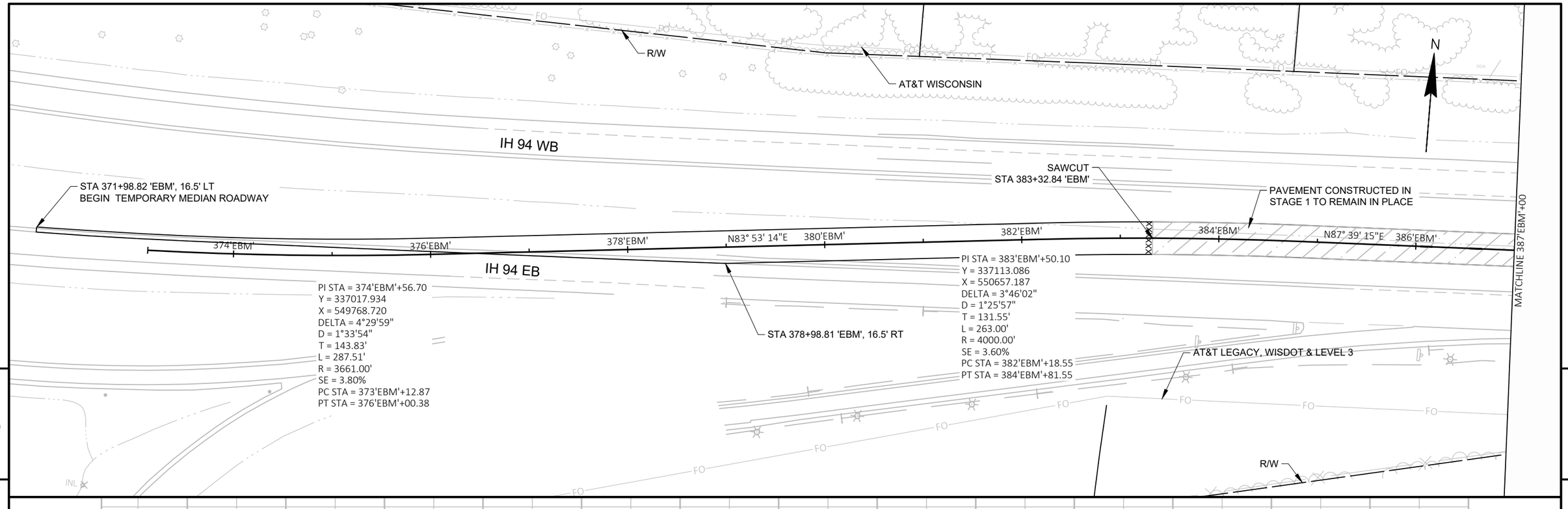
FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\050120-PP.DWG
LAYOUT NAME - 050122-pp
PLOT DATE : 5/8/2024 5:57 PM
PLOT BY : BRUCKNER, KAITLYN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: STAGE 3A TEMPORARY EB CENTERLINE AT KINNEY ROAD	SHEET 168	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\050120-PP.DWG
LAYOUT NAME - 050123-pp
PLOT DATE : 5/8/2024 5:57 PM
PLOT BY : BRUCKNER, KAITLYN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

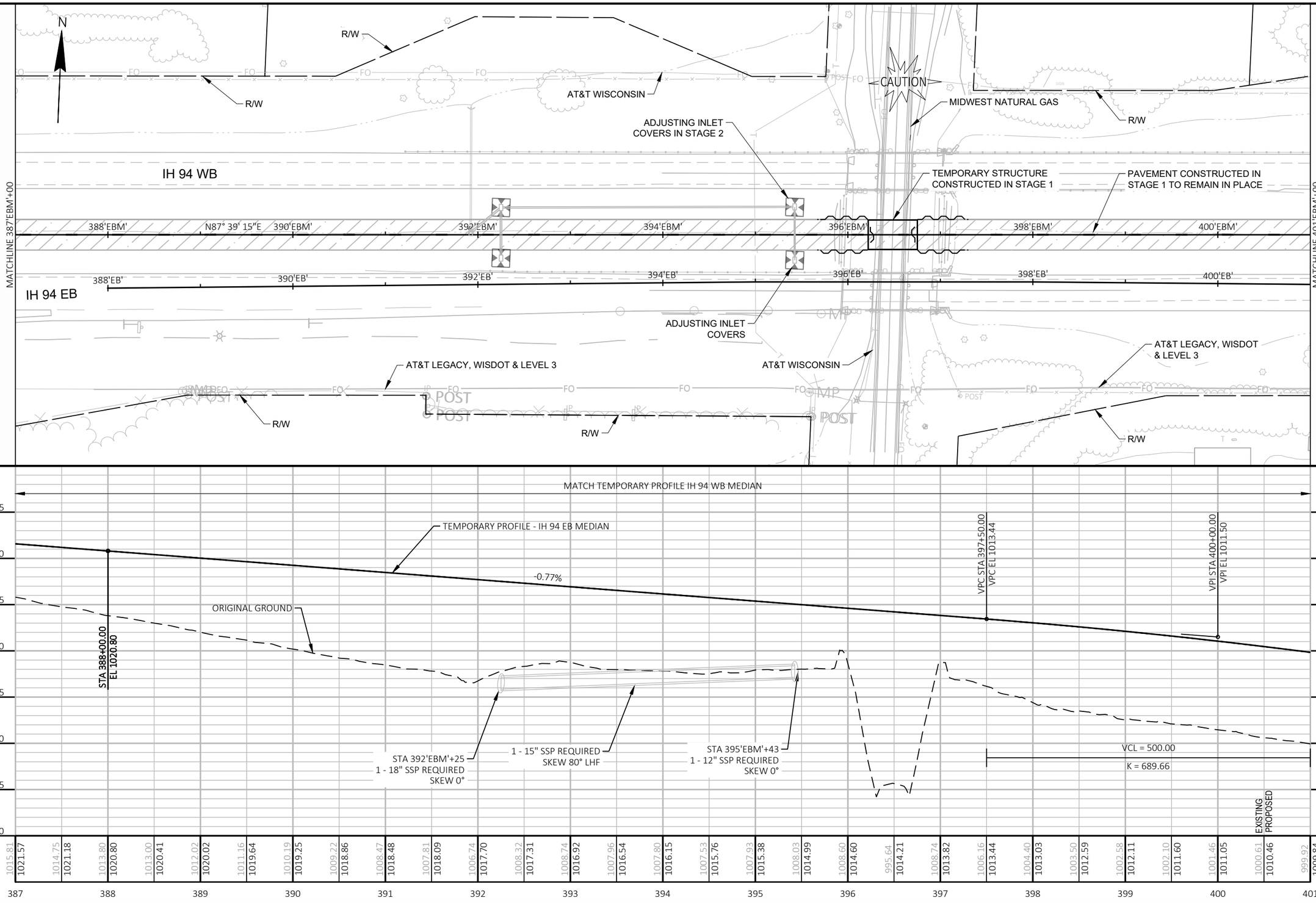


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: STAGE 3A TEMPORARY EB CENTERLINE AT 100TH STREET	SHEET 169	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\050120-PP.DWG
LAYOUT NAME - 050124-pp

PLOT DATE : 5/8/2024 5:58 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

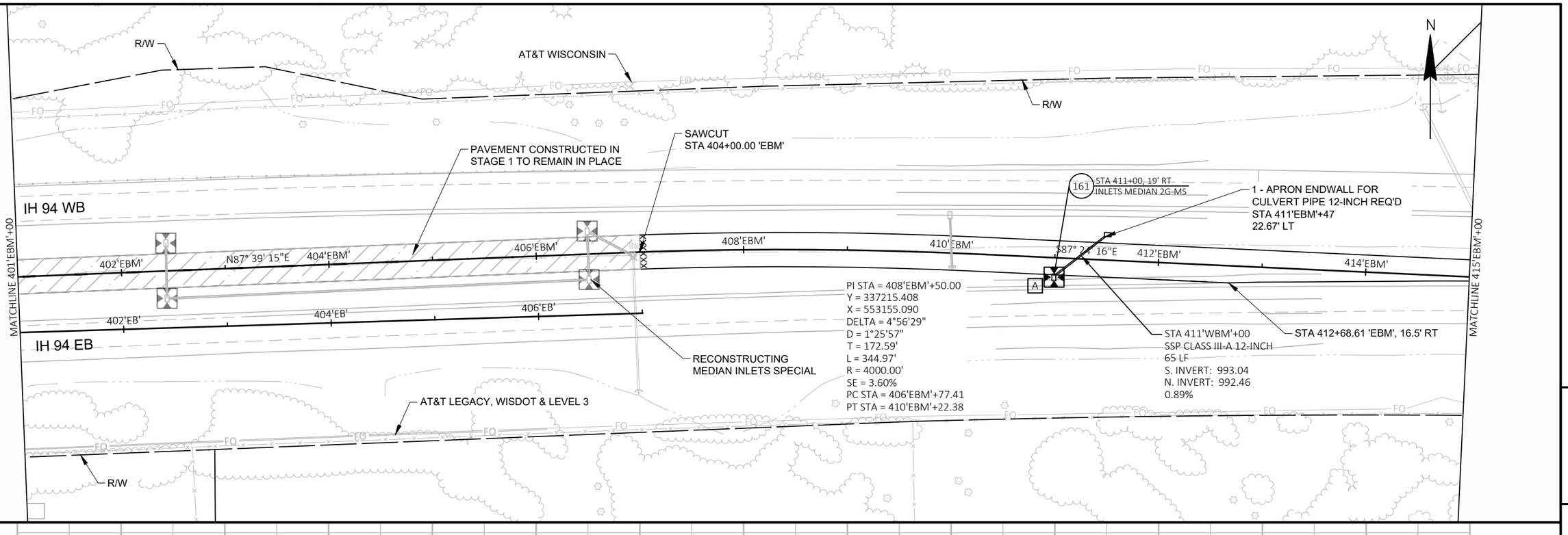


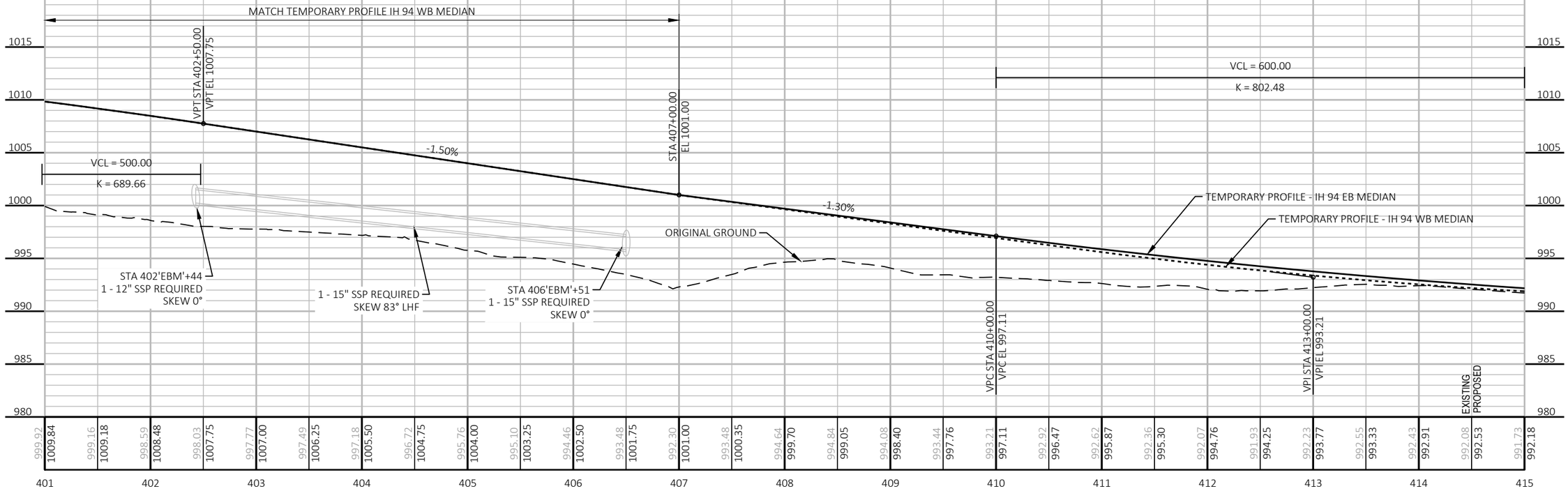
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: STAGE 3A TEMPORARY EB CENTERLINE AT 100TH STREET	SHEET 170	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\050120-PP.DWG
LAYOUT NAME - 050125-pp

PLOT DATE : 5/8/2024 5:58 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

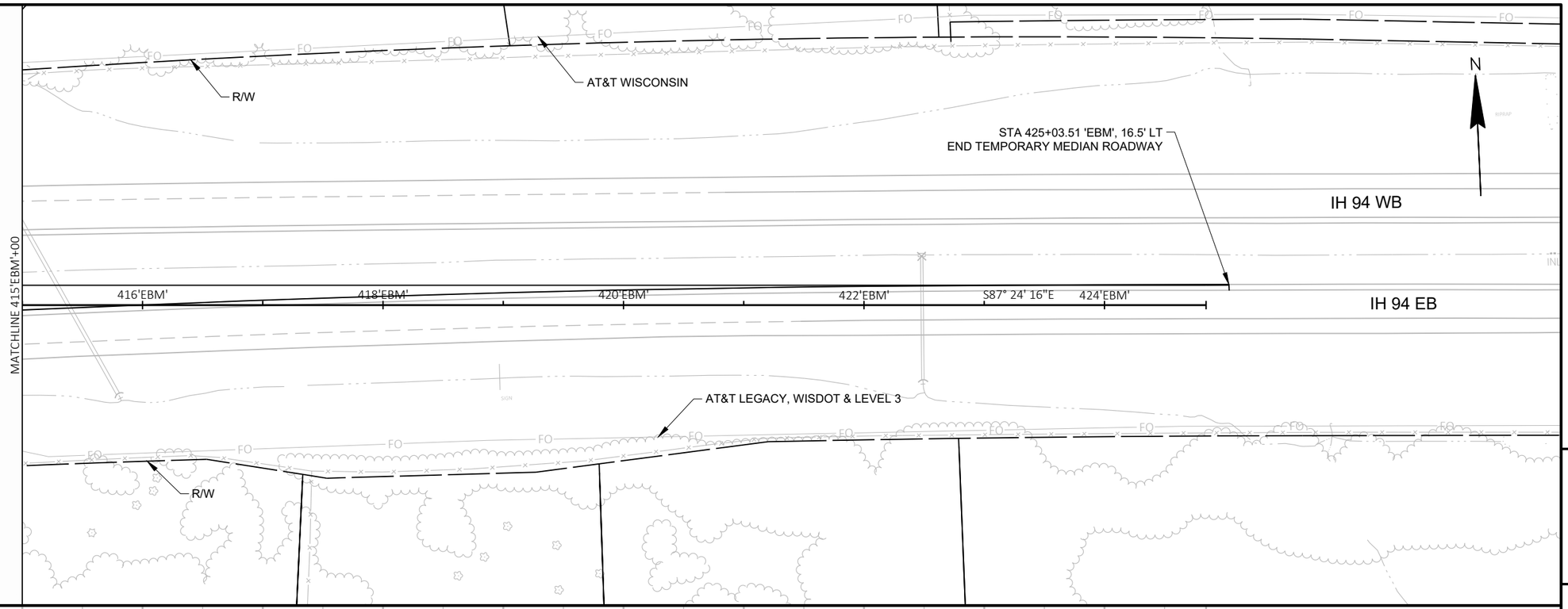
WISDOT/CADDS SHEET 44

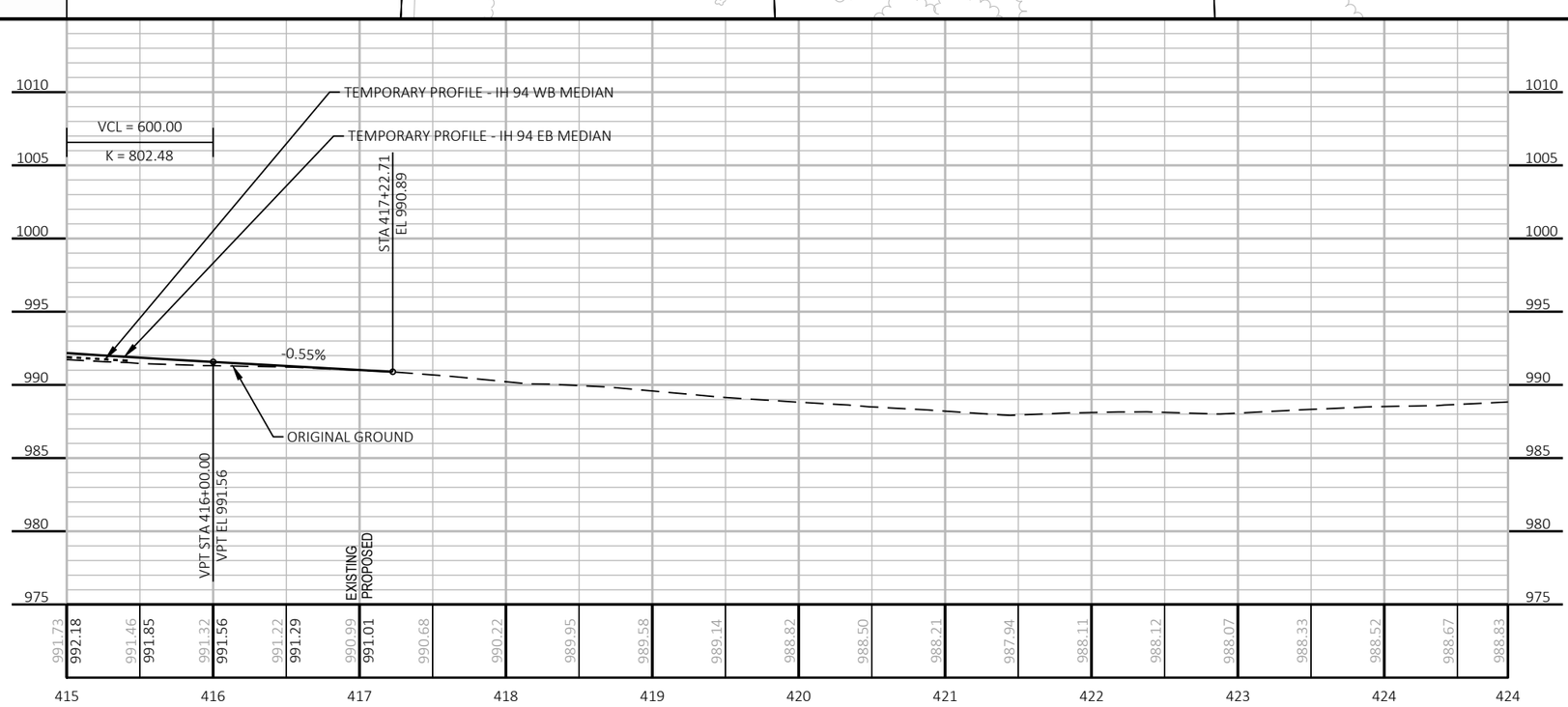




PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: STAGE 3A TEMPORARY EB CENTERLINE AT 100TH STREET	SHEET 171	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\050120-PP.DWG
LAYOUT NAME - 050126-pp
PLOT DATE : 5/8/2024 5:59 PM
PLOT BY : BRUCKNER, KAITLYN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: STAGE 3A TEMPORARY EB CENTERLINE AT 100TH STREET	SHEET 172	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\050120-PP.DWG
LAYOUT NAME - 050127-pp

PLOT DATE : 5/8/2024 5:59 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

Standard Detail Drawing List

08A05-20B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-20C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A05-20D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-03	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-23A	CONCRETE CURB & GUTTER
08D01-23B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D03-09A	CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES
08D03-09B	CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES
08D14-02	SLOTTED VANE DRAIN
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
12A03-10	NAME PLATE (STRUCTURES)
13A03-07	CONCRETE PAVEMENT SHOULDERS
13A05-06A	SHOULDER RUMBLE STRIPS, DIVIDED ROADWAY
13A05-06B	SHOULDER RUMBLE STRIPS, DIVIDED ROADWAY
13B02-09A	CONCRETE PAVEMENT APPROACH SLAB
13B02-09B	STRUCTURAL APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C11-14A	RURAL DOWELED CONCRETE PAVEMENT
13C11-14B	RURAL DOWELED CONCRETE PAVEMENT
13C18-08C	CONCRETE PAVEMENT JOINT TYPES
13C18-08D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
13C18-08G	CONCRETE PAVEMENT JOINTING ACCELERATION/DECELERATION LANE
13C19-03	HMA LONGITUDINAL JOINTS
14B07-16A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16I	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16J	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16K	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16L	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16M	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16N	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B08-02A	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02B	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02C	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02D	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02E	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B42-07A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-05A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05D	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B47-05A	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05B	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05C	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05D	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05E	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05F	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

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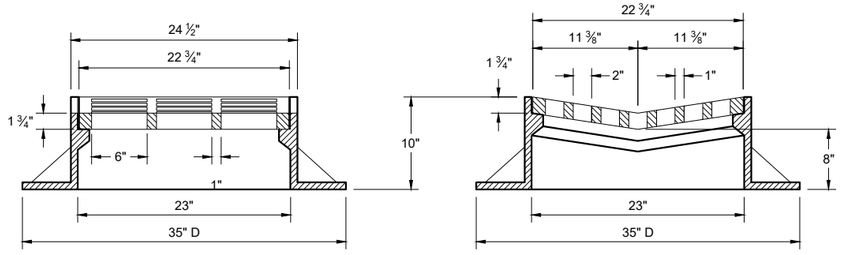
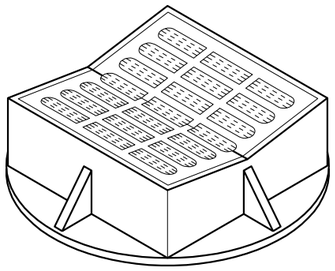
Standard Detail Drawing List

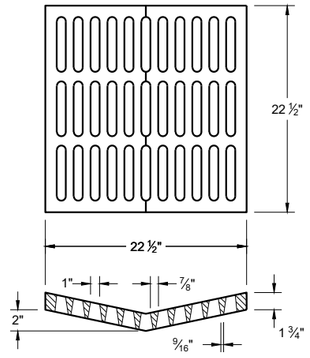
14B47-05G	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
15A01-13A	MARKER POST FOR RIGHT-OF-WAY
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15A04-07C	DELINEATOR BRACKET WITH REFLECTIVE SHEETING
15A04-07E	DELINEATOR POST WITH REFLECTIVE SHEETING
15B01-08A	FENCE WOVEN WIRE
15B01-08B	FENCE WOVEN WIRE
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C07-15C	PAVEMENT MARKING ARROWS
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-23B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C19-08A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C19-08B	MOVING PAVEMENT MARKING OPERATION MULTI-LANE UNDIVIDED ROADWAY
15C19-08C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C31-06C	PAVEMENT MARKING ENTRANCE RAMP AND PARALLEL ENTRANCE RAMP
15C31-06D	PAVEMENT MARKING LANE DROP AND LANE REDUCTION
15D12-12A	TRAFFIC CONTROL, LANE CLOSURE, WITH TEMPORARY RUMBLE STRIPS
15D15-07D	TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE
15D16-06	TRAFFIC CONTROL, EXIT RAMP CLOSURE
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D40-05B	TRAFFIC CONTROL, FULL LANE SHIFT MULTILANE DIVIDED 50 MPH AND OVER
15D41-04A	TRAFFIC CONTROL, MULTIPLE LANE SHIFT, MULTILANE DIVIDED ROAD
15D42-01	TRAFFIC CONTROL, TWO LANE FULL FREEWAY CLOSURE

6





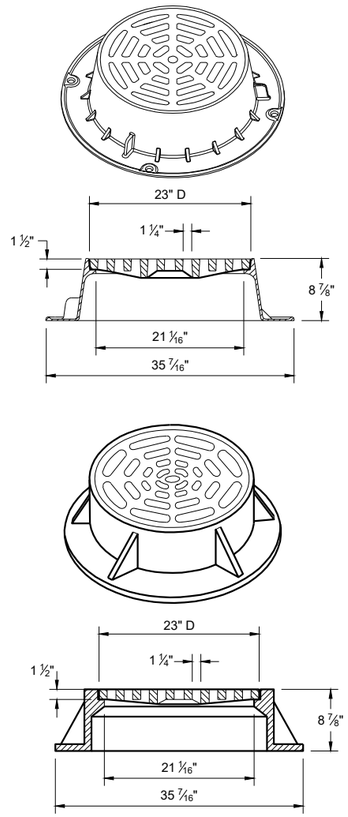
TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS POSSIBLE

NOTED AS TYPE B - A ON THE DRAINAGE TABLE



TYPE "C"

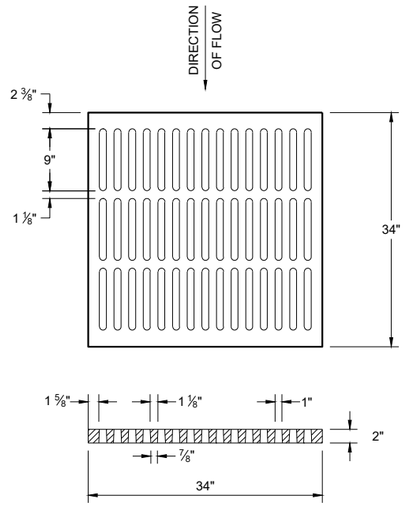
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

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

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

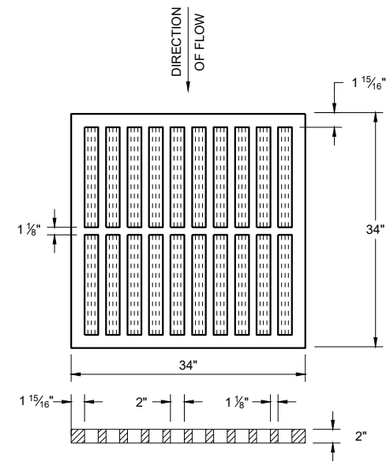
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS PERMITTED

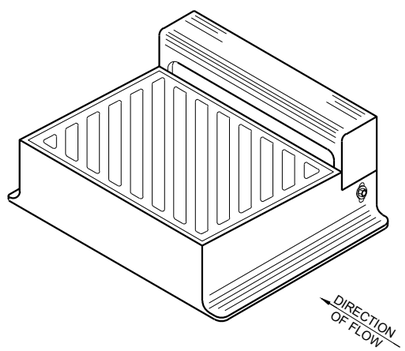
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE



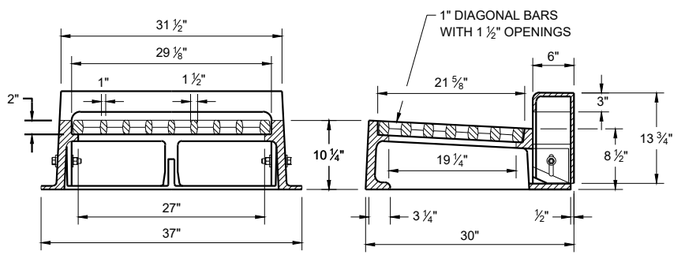
TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON THE DRAINAGE TABLE



DIAGONAL SLOTS SHALL BE ORIENTEDTO THE DIRECTION OF FLOW AS ILLUSTRATED.
GRATES ARE MANUFACTURED TO BE REVERSIBLE.



TYPE "WM"

NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

INLET COVERS TYPES B, B-A, C, MS, MS-A AND WM

STATE OF WISCONSIN
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July 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

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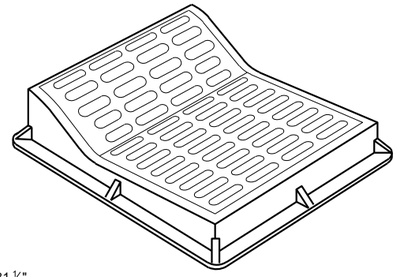
SDD 08A05-20b

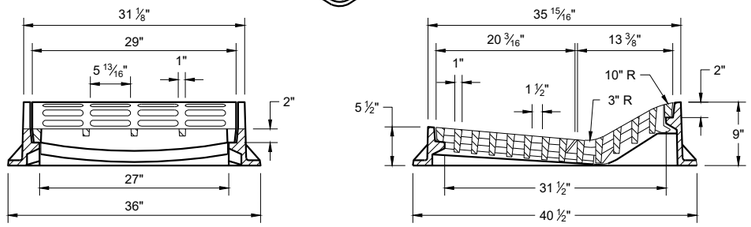
SDD 08A05-20b

GENERAL NOTES

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

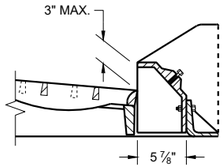
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.





TYPE "F"

USE WITH TYPES "A" AND "D" CONCRETE CURB AND GUTTER, 36"

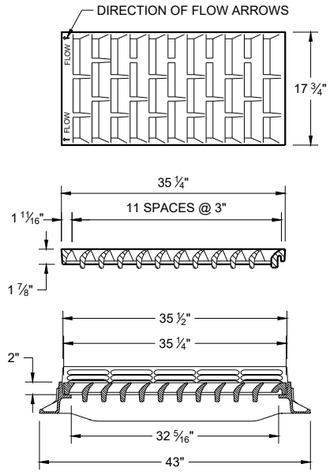


ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

USE WITH TYPES "G" AND "J" CONCRETE CURB AND GUTTER, 30 INCH
NOTED AS TYP "HM-GJ" ON DRAINAGE TABLE

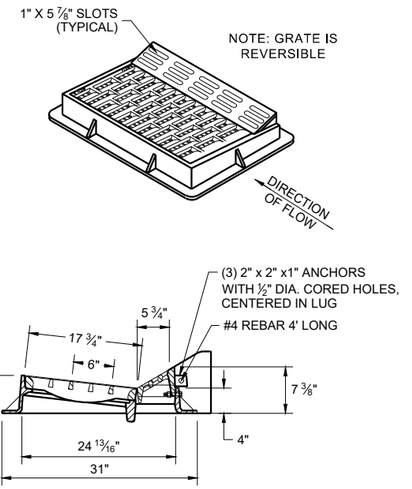
NOTE:
SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM-GJ" COVER.

NOTED AS TYPE HM-GJ-S ON THE DRAINAGE TABLE.



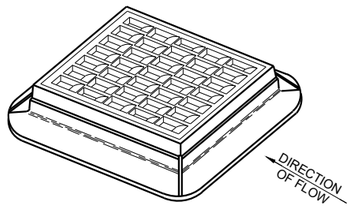
TYPE "HM"

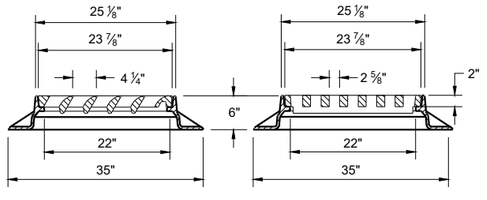
USE WITH TYPES "A" AND "D" CONCRETE CURB AND GUTTER, 36"



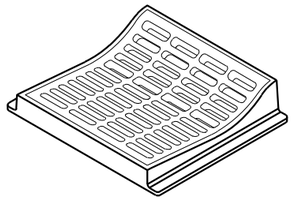
NOTE:
SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM-GJ" COVER.

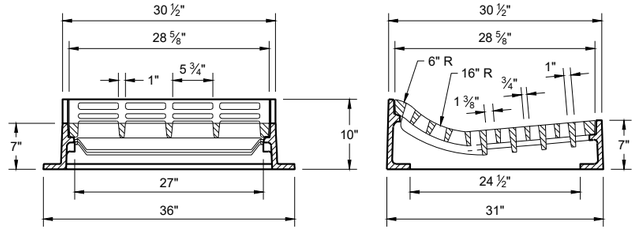
NOTED AS TYPE HM-GJ-S ON THE DRAINAGE TABLE.





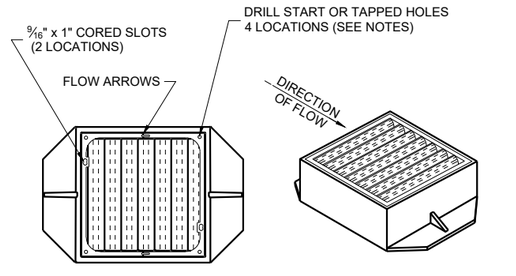
TYPE "S"

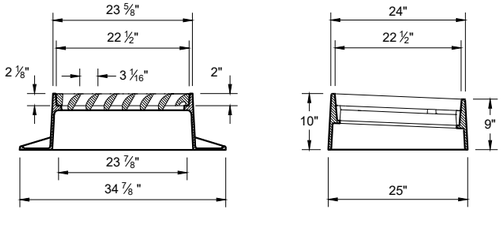




TYPE "T"

USE WITH TYPES "R" AND "T" CONCRETE CURB AND GUTTER, 36"

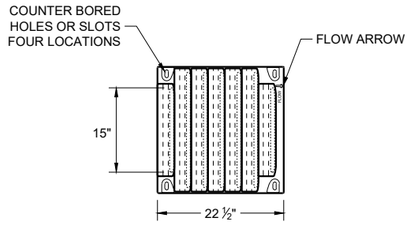




TYPE "V"

NOTES: ALL HARDWARE TO BE SUPPLIED BY CASTING MANUFACTURER ALL DRILLING AND TAPPING GRATES AND FRAMES BY CASTING MANUFACTURER

TYPE V
FRAME - CAST GRAY IRON ASTM A48 CLASS 40A
3/8" DIA. X 1/16" DRILL START IN 4 LOCATIONS
GRATE - CAST GRAY IRON ASTM A-48, CLASS 35B



BOLT DOWN GRATE FOR TYPE "V" COVER

NOTES: ALL HARDWARE TO BE SUPPLIED BY CASTING MANUFACTURER NOTED AS TYPE "V-B" ON DRAINAGE TABLE

TAP 1/2" -13 HOLES IN FOUR LOCATIONS IN FRAME TO BOLT GRATE
FRAME - CAST GRAY IRON ASTM A48 CLASS 40A

GRATE - CAST DUCTILE IRON ASTM A536, 55+KSI YIELD
BOLTS - 1/2" -13 STAINLESS STEEL BOLTS WITH WASHERS
TORQUE BOLTS TO MANUFACTURER SPECIFICATION DO NOT OVERTIGHTEN.

INLET COVERS TYPES F, HM, HM-S, S, T, V, HM-GJ AND HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

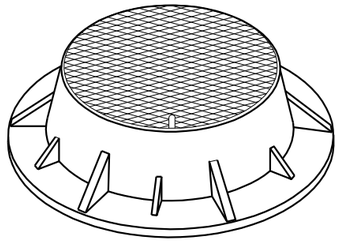
FHWA

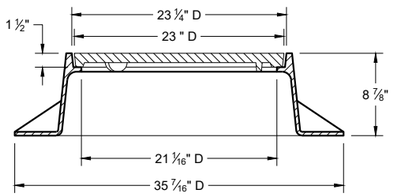
GENERAL NOTES

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

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

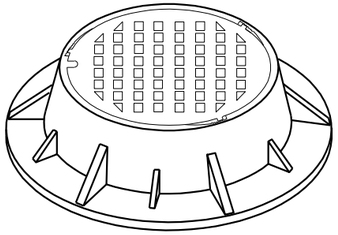
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

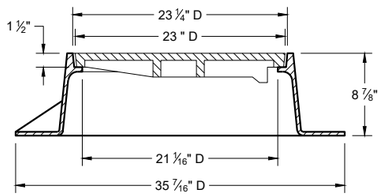




TYPE "J"

NOTE: EITHER CASTING IS ACCEPTABLE

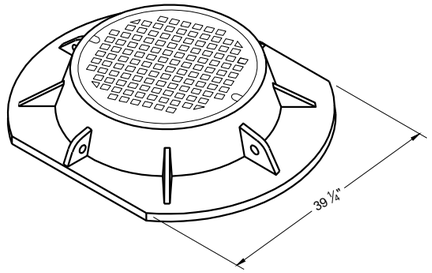


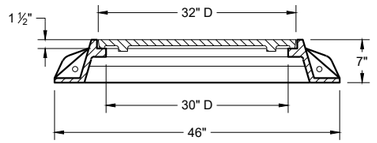


TYPE "J" SPECIAL

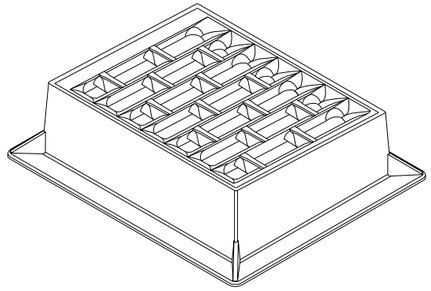
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

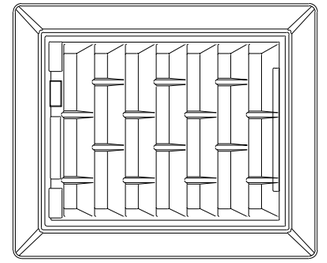
NOTE: EITHER CASTING IS ACCEPTABLE

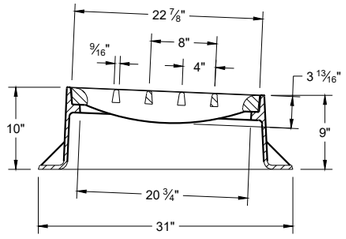


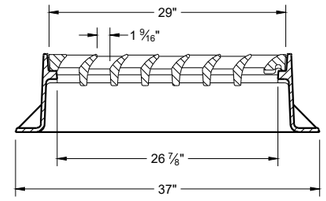


TYPE "K"

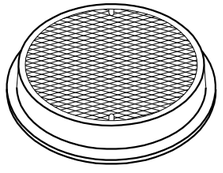


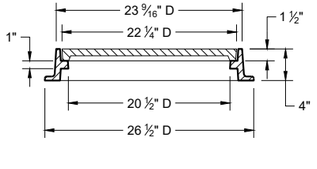




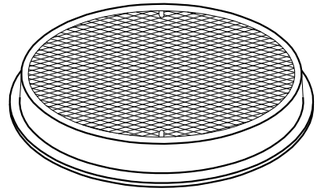


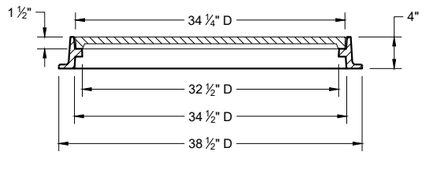
INLET COVER TYPE "BW"





TYPE "L"





TYPE "M"

INLET COVERS TYPES BW
MANHOLE COVERS TYPES K, J, J-S, L, AND M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

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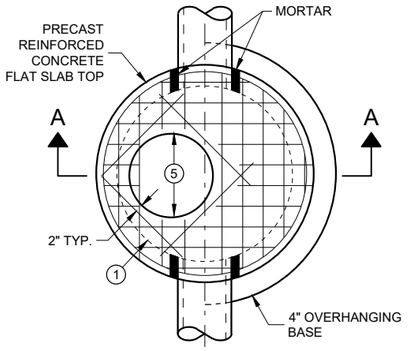
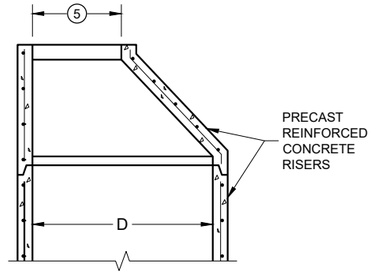
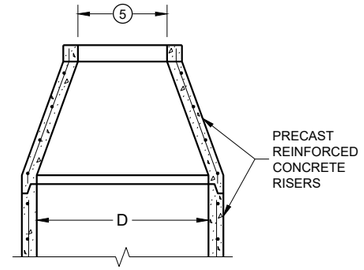
SDD 08A05-20d



PLAN VIEW
CIRCULAR OPENING



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

MANHOLE COVER OPENING MATRIX

OPENING SIZE (FT.) \ MANHOLE COVER TYPE	C	ALL J'S	K	L	M
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE (DIA.)	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES		MINIMUM WALL THICKNESS (IN)	MINIMUM PRECAST FLAT SLAB TOP AND BASE THICKNESS
	180° SEPARATION (IN)	90° SEPARATION (IN)		
3-FT	15	12	4	6
4-FT	24	18	4	6
5-FT	36	24	5	8
6-FT	42	36	6	8
7-FT	48	36/42*	7	8
8-FT	60	42	8	8
9-FT	66	54	9	10
10-FT	72	60	10	10

*A 36" PIPE AND A 42" PIPE CAN BE PLACED WITHIN 90 DEGREES. SEE MINIMUM HORIZONTAL PIPE SEPARATION DETAIL.

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

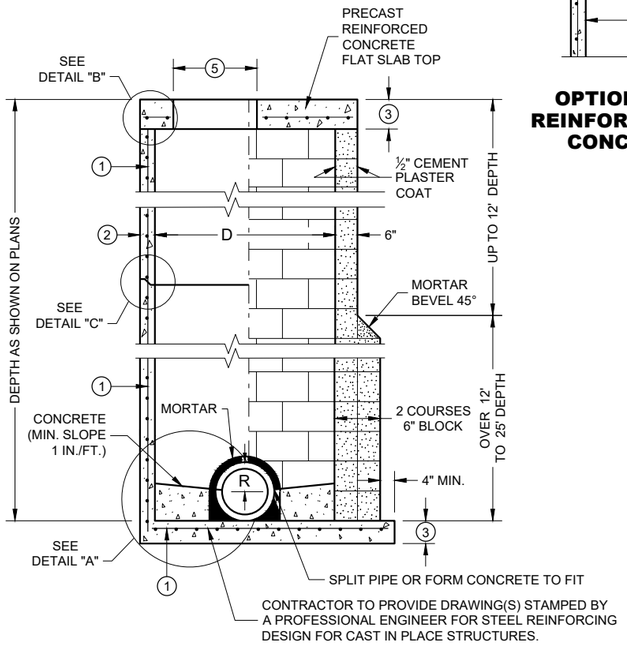
(1) FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(2) SEE PIPE MATRIX TABLE FOR MINIMUM WALL THICKNESS FOR PRECAST MANHOLES

(3) SEE PIPE MATRIX TABLE FOR MINIMUM THICKNESS OF PRECAST FLAT SLAB TOPS AND BASES.

(4) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP.).

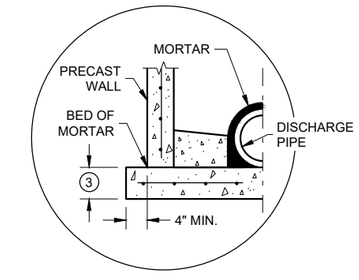
(5) SEE MANHOLE COVER OPENING MATRIX.



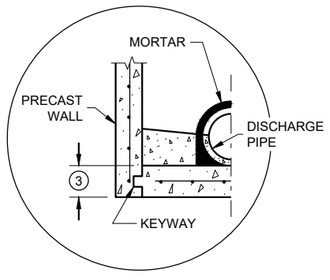
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

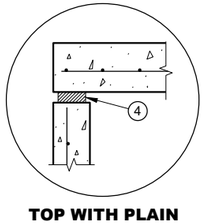


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

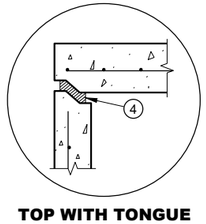


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

DETAIL "A"

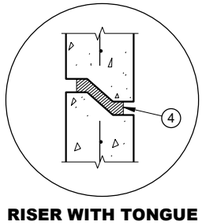


TOP WITH PLAIN END JOINT



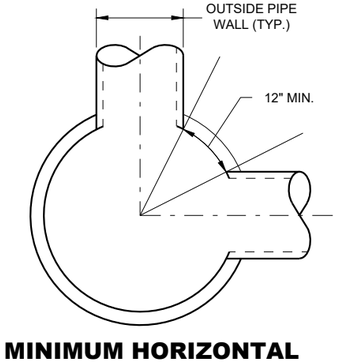
TOP WITH TONGUE AND GROOVE JOINT

DETAIL "B"



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "C"



MINIMUM HORIZONTAL PIPE SEPARATION

MANHOLES, 3-FT, 4-FT 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

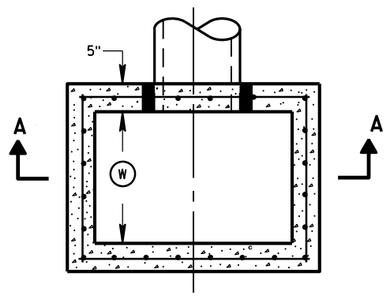
APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

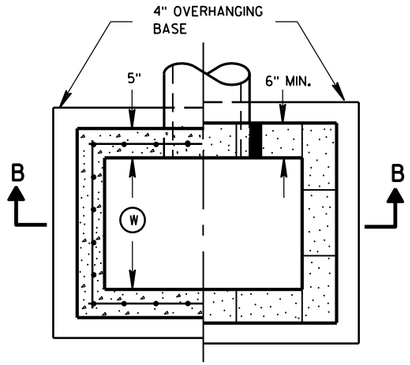
MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

6

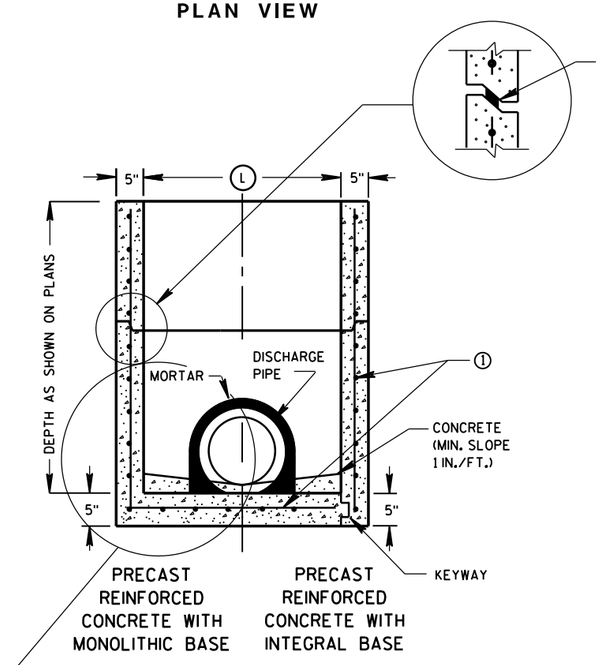
SDD 08B09 - 03



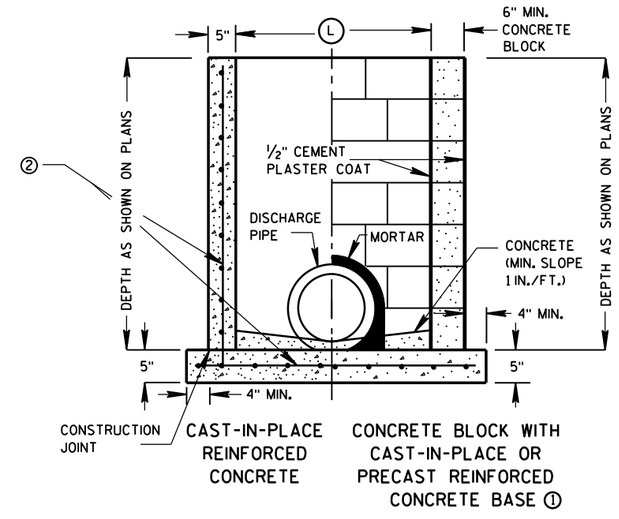
PLAN VIEW



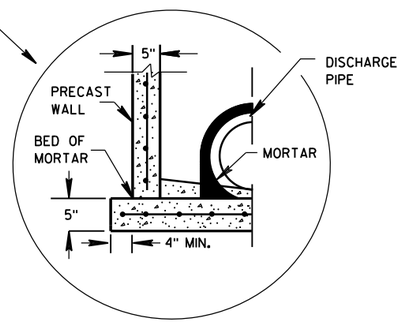
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

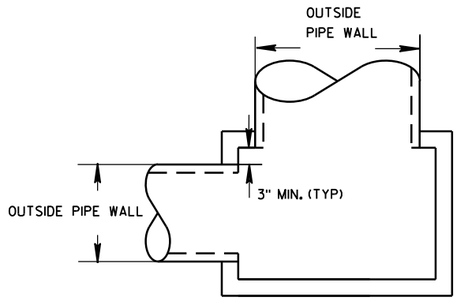
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT
UNIT SUPERVIS
FHWA

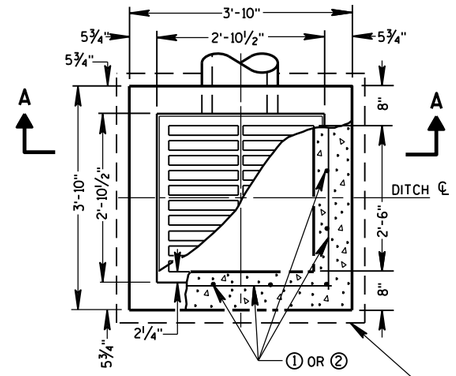
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

6

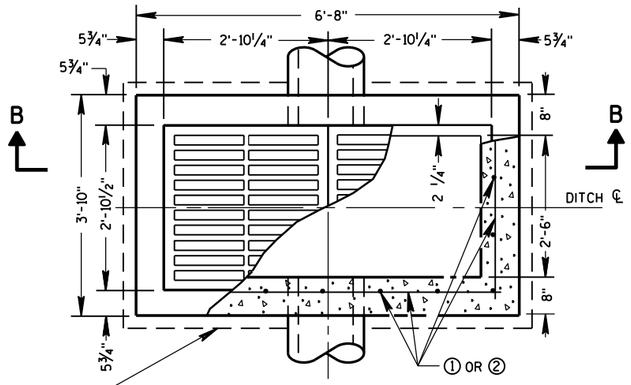
S.D.D. 8 C 7-2

6

S.D.D. 8 C 7-2

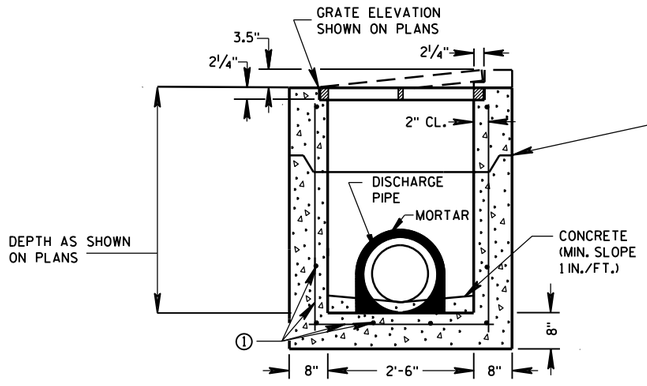


PLAN VIEW

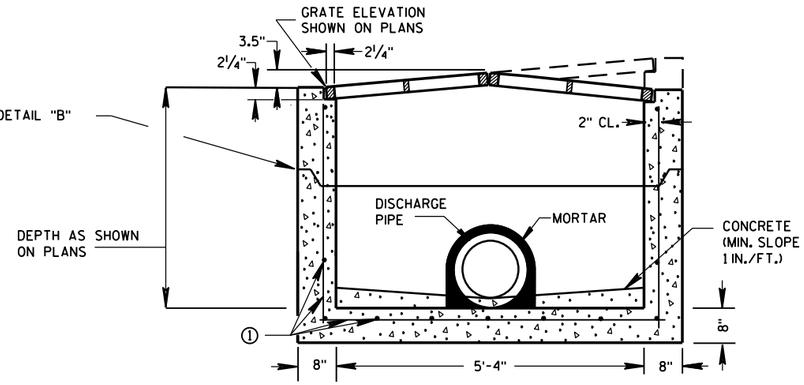


PLAN VIEW

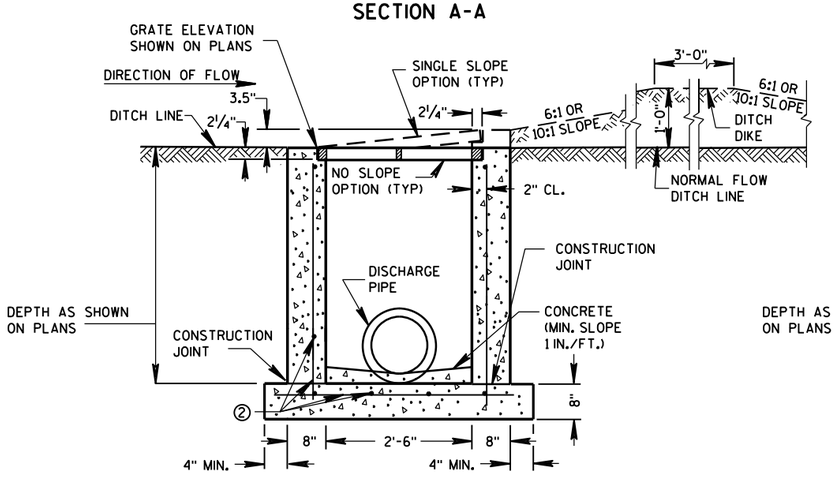
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



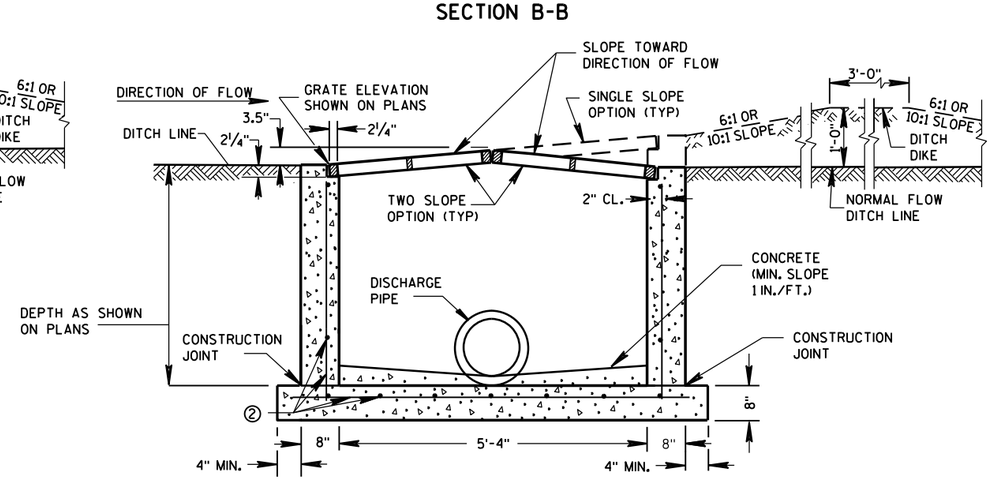
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

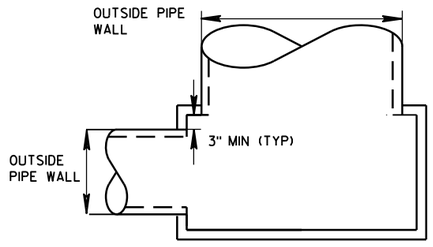
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

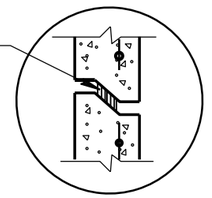
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



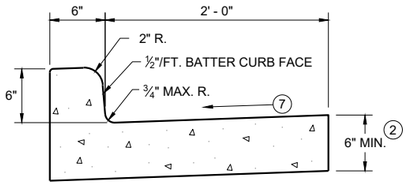
DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

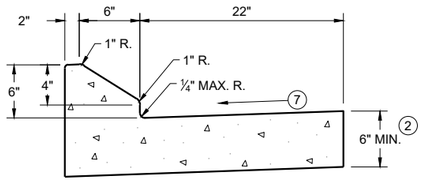
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVI ENT
FHWA

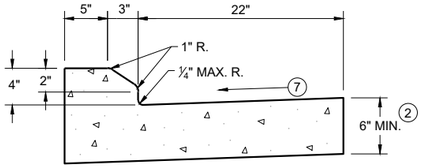
6
S.D.D. 8 C 8-2



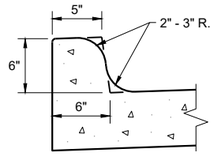
TYPES A (1) & D



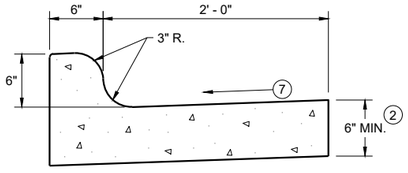
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

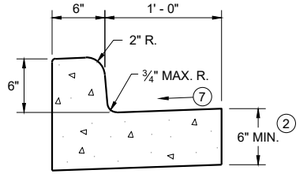


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



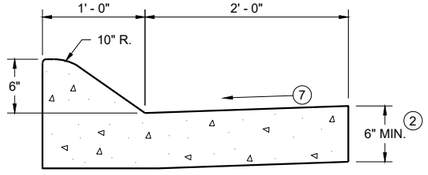
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

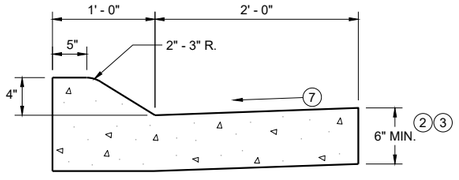


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

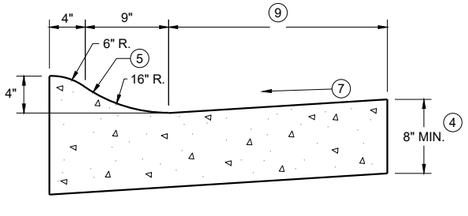


6" SLOPED CURB TYPES A (1) & D



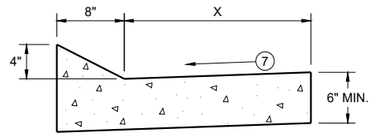
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

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

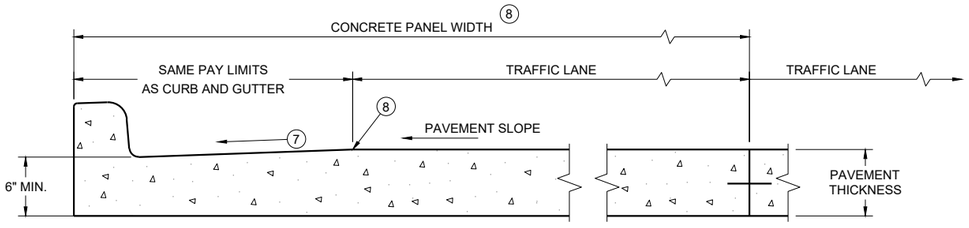


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

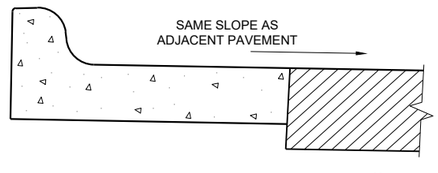
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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



PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB AND GUTTER *

* BIKE LANE IS NOT SHOWN



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

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

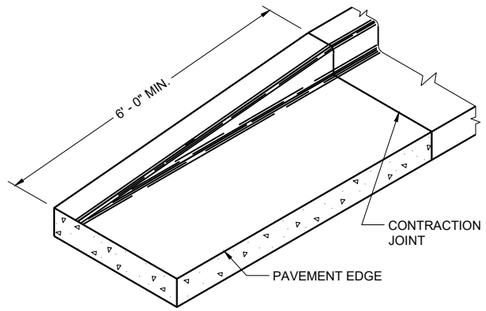
(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

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

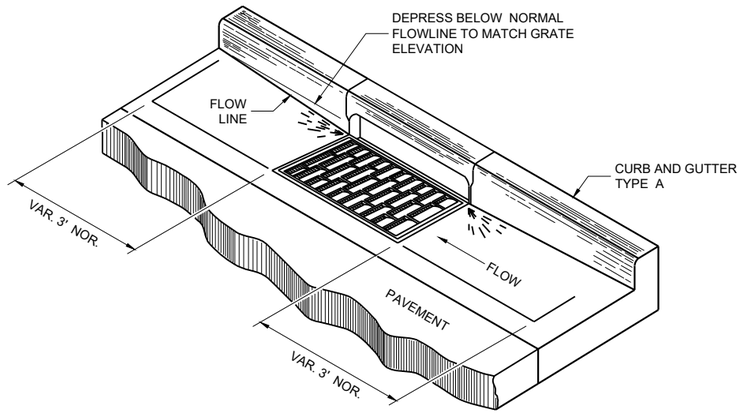
(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



END SECTION CURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS

(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

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

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

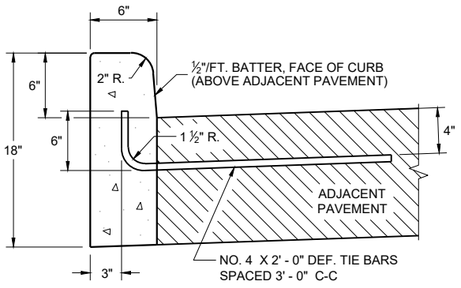
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

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

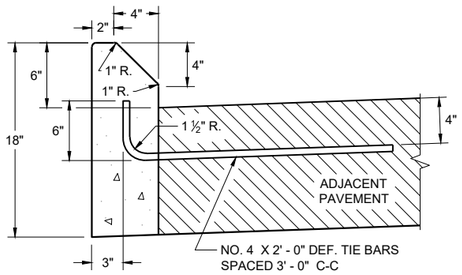
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

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

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

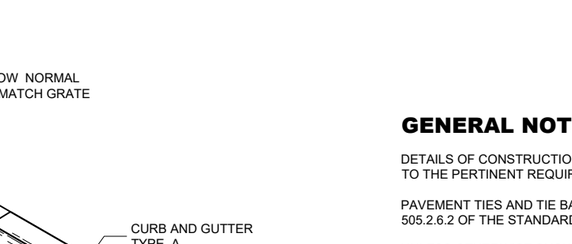


TYPES A (1) & D

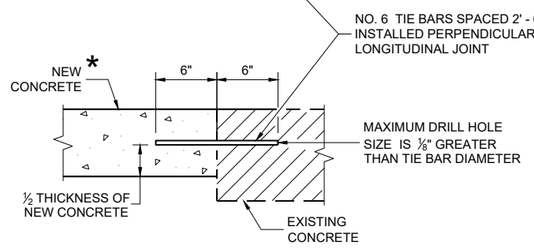


TYPES G (1) & J

CONCRETE CURB

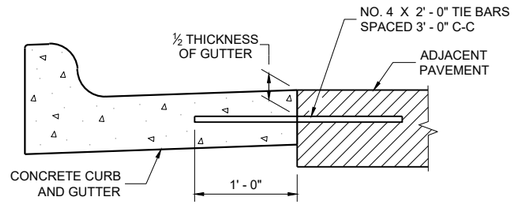


PLAN VIEW

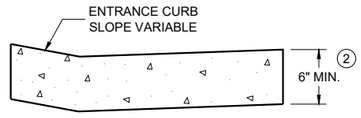


SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT

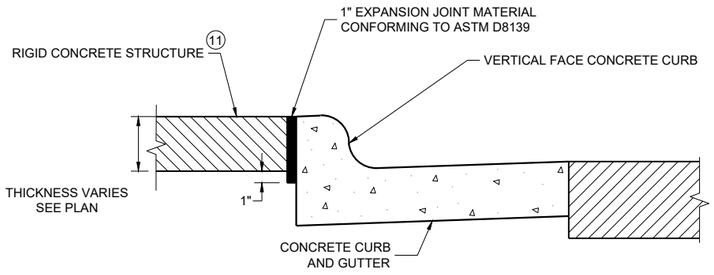


TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (10)

(WHEN DIRECTED BY THE ENGINEER)



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

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

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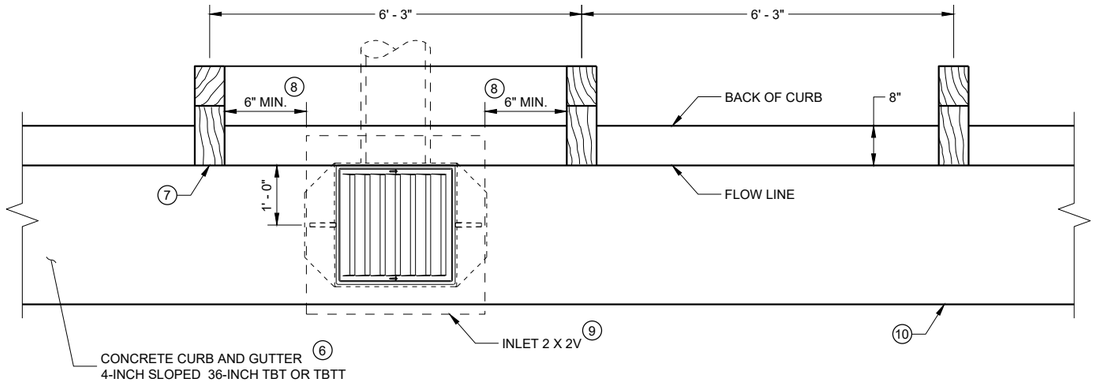
SDD 08D01-23b

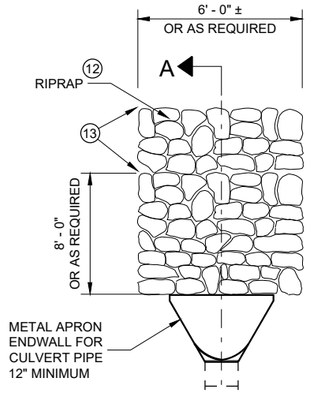
6

SDD 08D01-23b



INLET PLAN VIEW

(NOTE: RAIL NOT SHOWN FOR CLARITY)

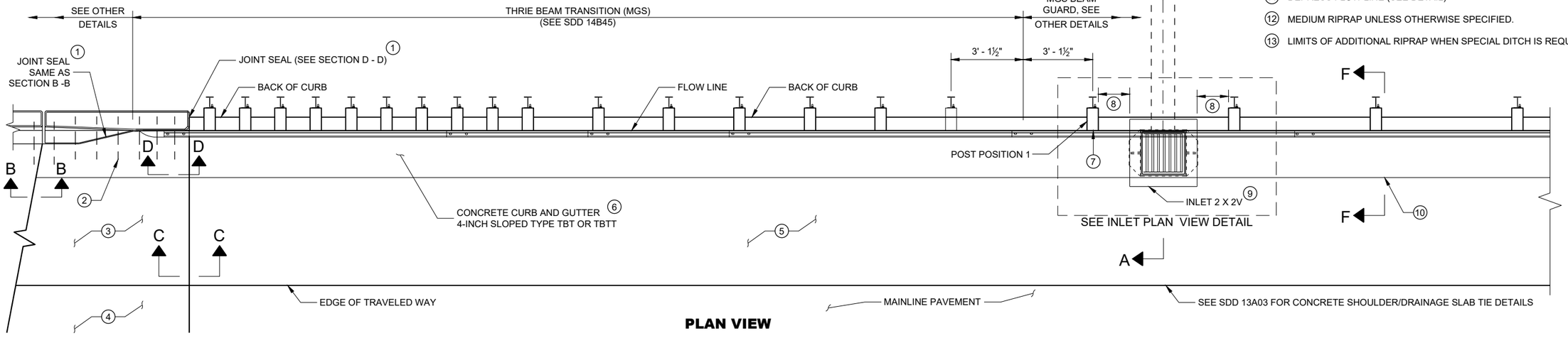


GENERAL NOTES

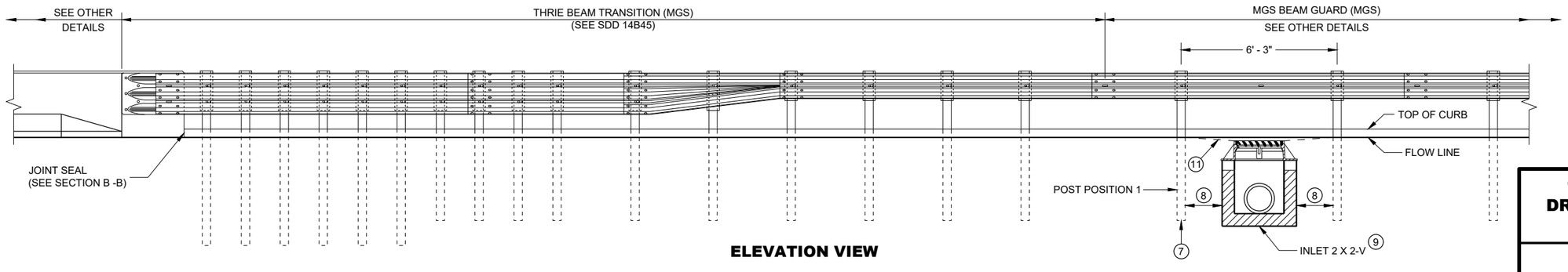
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

ALL STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

1. USE A JOINT SEALANT CONFORMING TO STANDARD SPECIFICATION 415.2.6.
2. NO. 4 X 2' - 0" TIE BARS SPACED AT 12" C-C TO BE PLACED BY BRIDGE CONTRACTOR OR DRILLED TIE BARS PLACED AS DIRECTED BY THE ENGINEER.
3. PAVED CONCRETE SHOULDER (SDD 13A03) OR CONCRETE DRAINAGE SLAB.
4. CONCRETE PAVEMENT APPROACH SLAB (SHOWN) OR STRUCTURE APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB. SEE SDD 13B02.
5. PAVED CONCRETE SHOULDER (SDD 13A03) OR ASPHALT SHOULDER.
6. CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE TBT OR TBTT. USE TYPE TBTT CURB WITH NO. 4 X 2' -0" TIE BARS SPACED AT 3' - 0" C-C ONLY WHEN ADJACENT TO CONCRETE PAVEMENTS.
7. PLACE DRAINAGE STRUCTURE BEFORE MSG THRIE BEAM TRANSITION POST 1 (SEE SDD 14B45)
8. CENTER DRAINAGE STRUCTURE BETWEEN POSTS. 6-INCH MINIMUM SEPARATION FROM OUTSIDE WALL OF DRAINAGE STRUCTURE TO POSTS.
9. SEE SDD 08A05 AND 08C07 FOR DETAILS. SEE ROADWAY PLANS FOR LOCATION.
10. START CURB AND GUTTER TRANSITION OR END SECTION.
11. DEPRESS FLOW LINE (SEE DETAIL)
12. MEDIUM RIPRAP UNLESS OTHERWISE SPECIFIED.
13. LIMITS OF ADDITIONAL RIPRAP WHEN SPECIAL DITCH IS REQUIRED.



PLAN VIEW



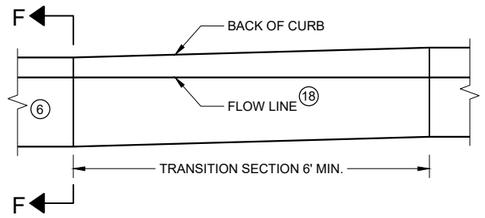
ELEVATION VIEW

CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES

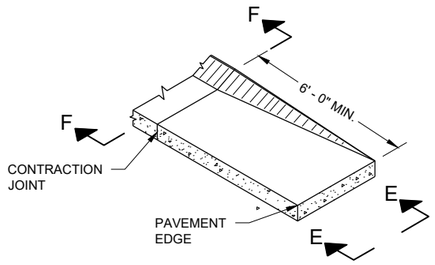
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D03 - 09a

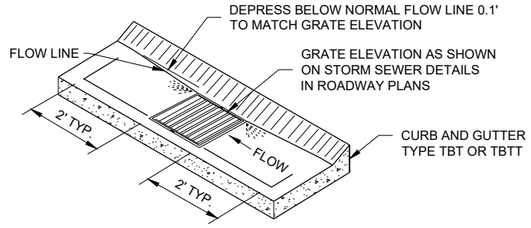
SDD 08D03 - 09a



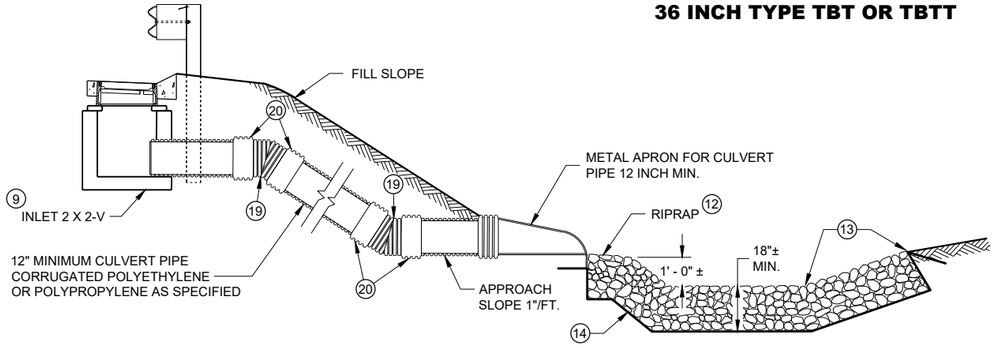
CURB AND GUTTER TRANSITION SECTION CONCRETE CURB AND GUTTER 4-INCH SLOPED 36 INCH TYPE TBT OR TBTT



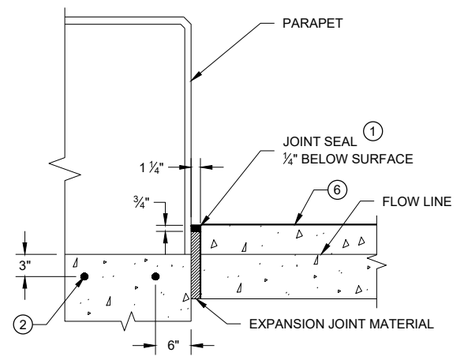
CURB AND GUTTER END SECTION CONCRETE CURB AND GUTTER 4-INCH SLOPED 36 INCH TYPE TBT OR TBTT



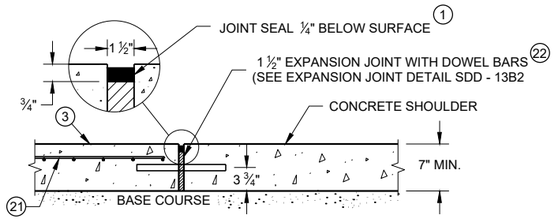
CURB AND GUTTER FLOW LINE DEPRESSION AT INLETS CONCRETE CURB AND GUTTER 4-INCH SLOPED 36 INCH TYPE TBT OR TBTT



SECTION A - A

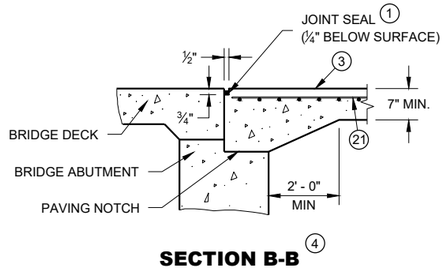


SECTION D - D

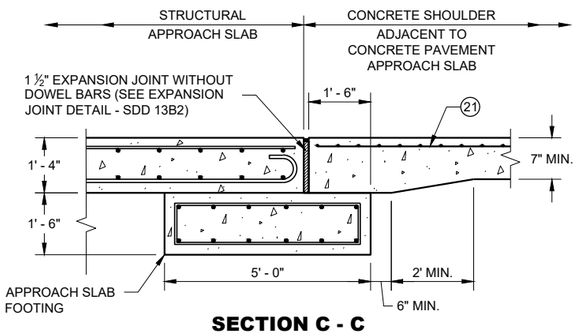


SECTION C - C

JOINT DETAIL FOR BRIDGE APPROACH WITH CONCRETE SHOULDERS

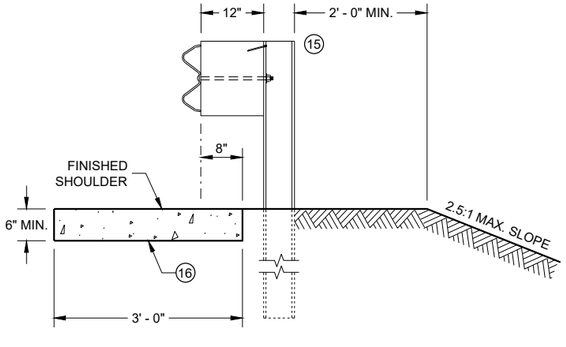


SECTION B-B 4

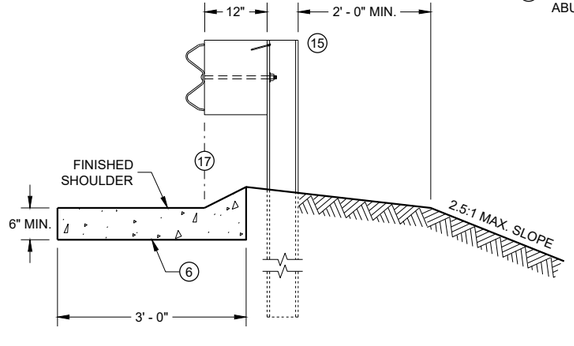


SECTION C - C

JOINT DETAIL FOR BRIDGE WITH STRUCTURAL APPROACH SLAB AND CONCRETE APPROACH SLAB



SECTION E - E



SECTION F - F

GENERAL NOTES

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

ALL STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

(1) USE A JOINT SEALANT CONFORMING TO STANDARD SPECIFICATION 415.2.6.

(2) NO. 4 X 2' - 0" TIE BARS SPACED AT 12" C-C TO BE PLACED BY BRIDGE CONTRACTOR OR DRILLED TIE BARS PLACED AS DIRECTED BY THE ENGINEER.

(3) PAVED CONCRETE SHOULDER (SDD 13A03) OR CONCRETE DRAINAGE SLAB.

(4) CONCRETE PAVEMENT APPROACH SLAB (SHOWN) OR STRUCTURE APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB. SEE SDD 13B02 AND STRUCTURE PLANS.

(5) PAVED CONCRETE SHOULDER (SDD 13A03) OR ASPHALT SHOULDER.

(6) CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE TBT OR TBTT. USE TYPE TBTT CURB WITH NO. 4 X 2' -0" TIE BARS SPACED AT 3' - 0" C-C ONLY WHEN ADJACENT TO CONCRETE PAVEMENTS.

(7) PLACE DRAINAGE STRUCTURE BEFORE MSG THRIE BEAM TRANSITION POST 1 (SEE SDD 14B45)

(8) CENTER DRAINAGE STRUCTURE BETWEEN POSTS. 6-INCH MINIMUM SEPARATION FROM OUTSIDE WALL OF DRAINAGE STRUCTURE TO POSTS.

(9) SEE SDD 08A05 AND 08C07 FOR DETAILS. SEE ROADWAY PLANS FOR LOCATION.

(10) START CURB AND GUTTER TRANSITION OR END SECTION.

(11) DEPRESS FLOW LINE (SEE DETAIL)

(12) MEDIUM RIPRAP UNLESS OTHERWISE SPECIFIED.

(13) LIMITS OF ADDITIONAL RIPRAP WHEN SPECIAL DITCH IS REQUIRED.

(14) GEOTEXTILE TYPE HR.

(15) MSG THRIE BEAM TRANSITION POST 1. SEE SDD 14B45 FOR ADDITIONAL CONSTRUCTION DETAILS AND ACCEPTABLE MATERIALS.

(16) MAINTAIN WIDTH, THICKNESS AND CROSS SLOPE OF ADJACENT TYPE TBT OR TBTT CURB. SEE NOTE 6 FOR TIE BAR SPACING.

(17) ALIGN FACE OF POST BLOCK WITH FLOW LINE.

(18) MAINTAIN FLOW LINE AT EDGE OF PAVEMENT/FACE OF BEAM GUARD AS APPLICABLE.

(19) MANUFACTURER SUPPLIED BEND.

(20) MANUFACTURER SUPPLIED EXTERNAL MECHANICAL COUPLING OR A MANUFACTURER RECOMMENDED COUPLING WITH A MASTIC IMPREGNATED GEOTEXTILE WRAP AND MECHANICAL FASTENING BANDS.

(21) MINIMUM REINFORCEMENT SHALL BE 6" X 6" - W4.0 X W4.0 OR NO. 3 BARS LONGITUDINAL AND TRANSVERSE SPACING 12" C - C.

(22) DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING HMA PAVEMENTS.

CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

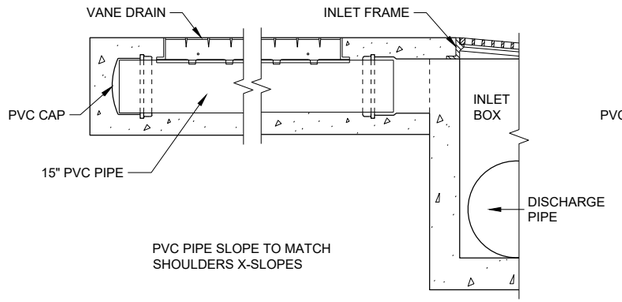
FHWA

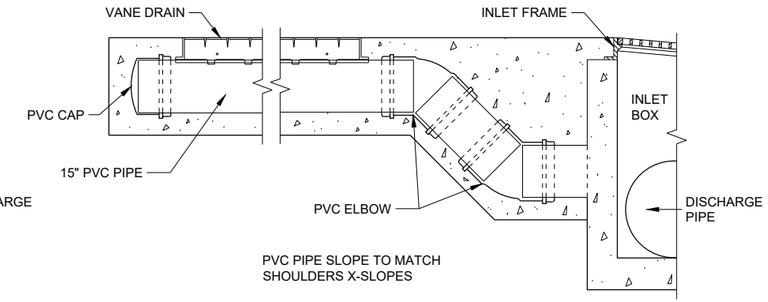
6

SDD 08D03 - 09b

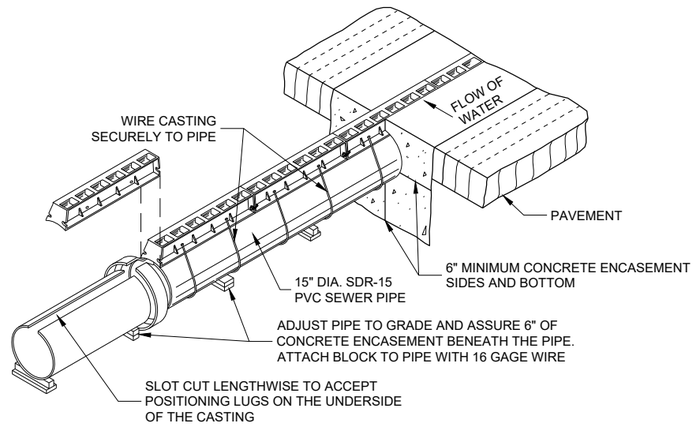
6

SDD 08D03 - 09b

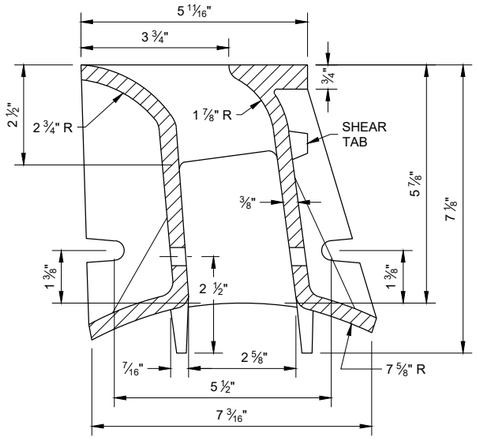




TYPICAL SLOTTED VANE DRAIN CONFIGURATIONS



INSTALLATION OF SLOTTED VANE DRAIN



SECTION A - A

GENERAL NOTES

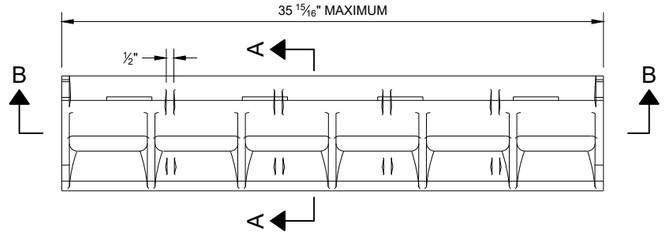
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

ENCASEMENT: FURNISH GRADE A CONCRETE CONFORMING TO STANDARD SPECIFICATION 501 AS MODIFIED IN STANDARD SPECIFICATION 716. PROVIDE QMP FOR CLASS III ANCILLARY CONCRETE PER STANDARD SPECIFICATION 716. ULITLIZING HIGH EARLY STRENGTH (HES) CONCRETE CONFORMING TO STANDARD SPECIFICATION 710.4(5) IS ALLOWED AND MAY BE REQUIRED BY THE PLANS OR AS DIRECTED BY THE ENGINEER.

THE PIPE USED SHALL BE A 15" DIAMETER SDR-35 POLYVINYL CHLORIDE SEWER PIPE. THE PIPE SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN STANDARD SPECIFICATION 612.2.6

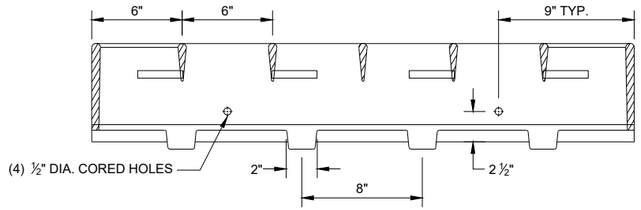
SURFACE DRAIN: BEFORE PAVING OVER THE DRAIN, COVER THE TOP OF THE DRAIN TO KEEP MATERIAL OUT OF THE PIPE. THE FINISHED GRADE SHOULD BE FLUSH WITH THE TOP OF THE DRAIN.

THE ANGLE OF THE DRAIN TO THE FLOW OF WATER SHOULD BE AS CLOSE TO 90° AS POSSIBLE.

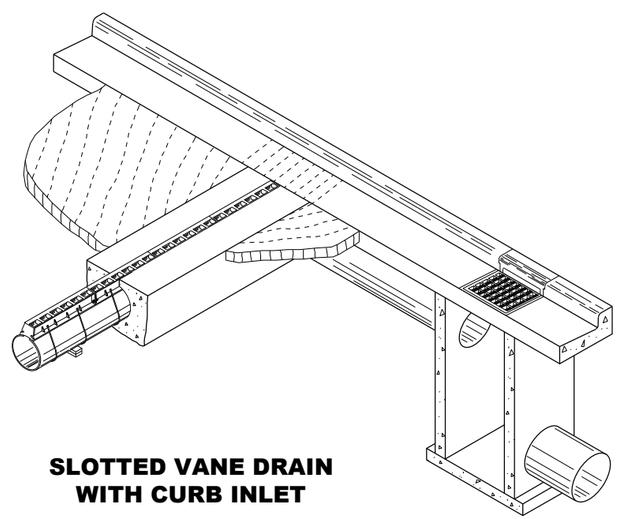


SLOTTED VANE DRAIN DETAIL

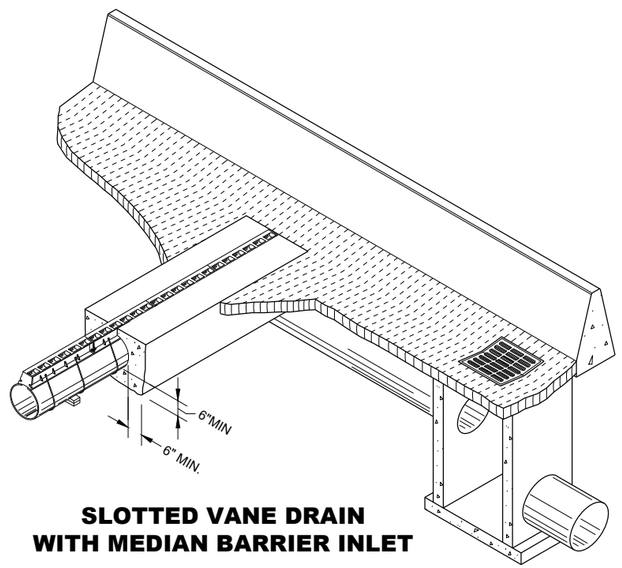
(APPROXIMATE WEIGHT 87 LBS.)



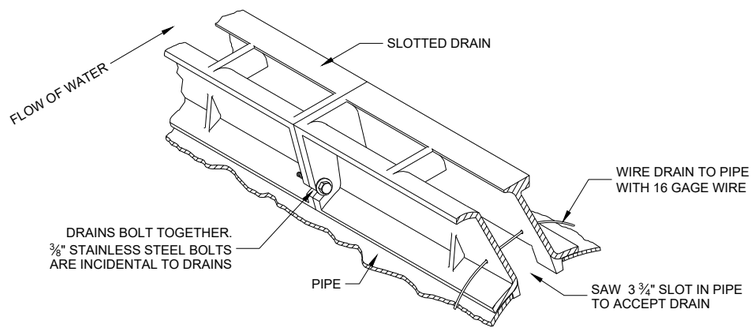
SECTION B - B



SLOTTED VANE DRAIN WITH CURB INLET



SLOTTED VANE DRAIN WITH MEDIAN BARRIER INLET



ISOMETRIC VIEW

SLOTTED VANE DRAIN DETAIL

SLOTTED VANE DRAIN

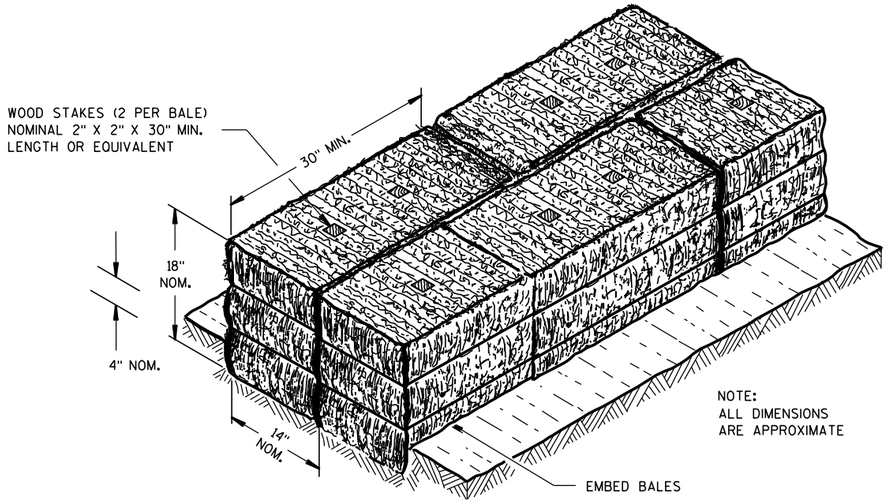
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

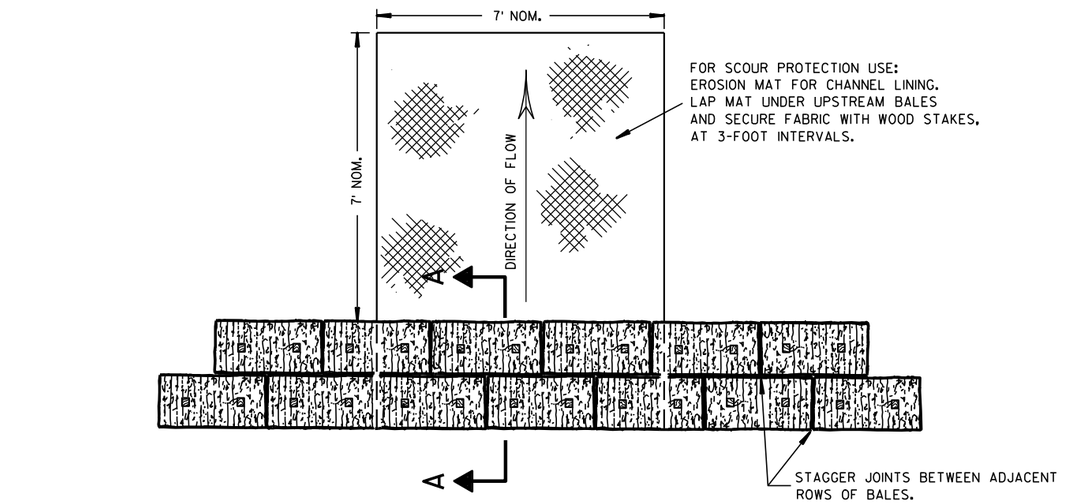
FHWA

6

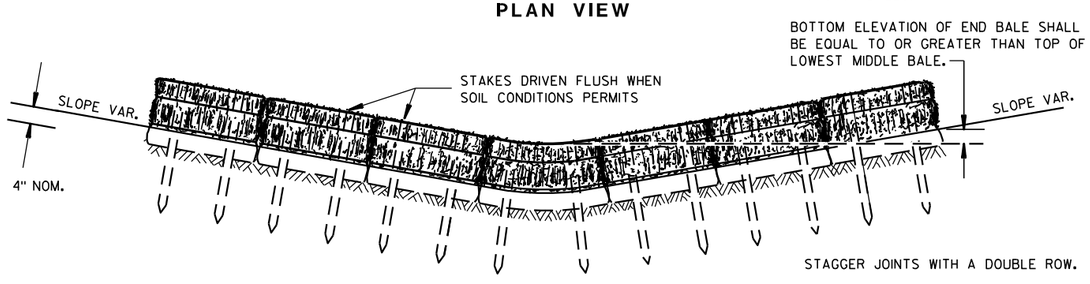
SDD 08D14 - 02



SECTION A-A



PLAN VIEW



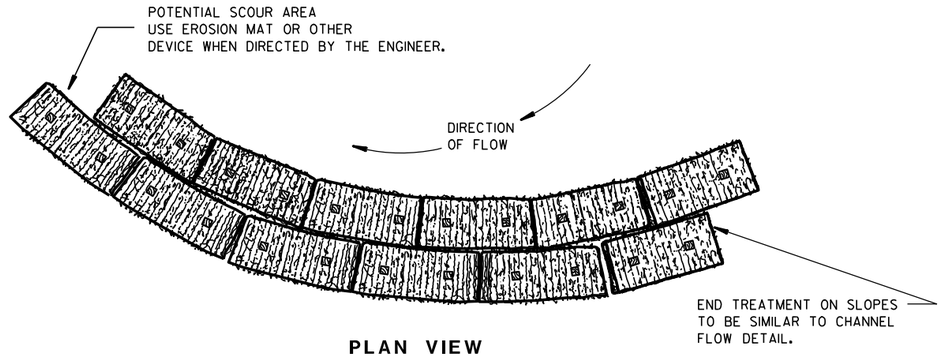
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

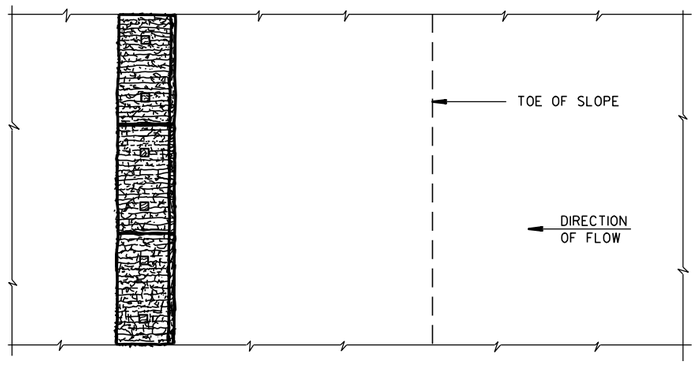
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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

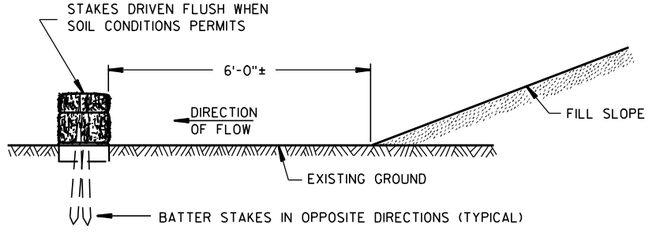


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

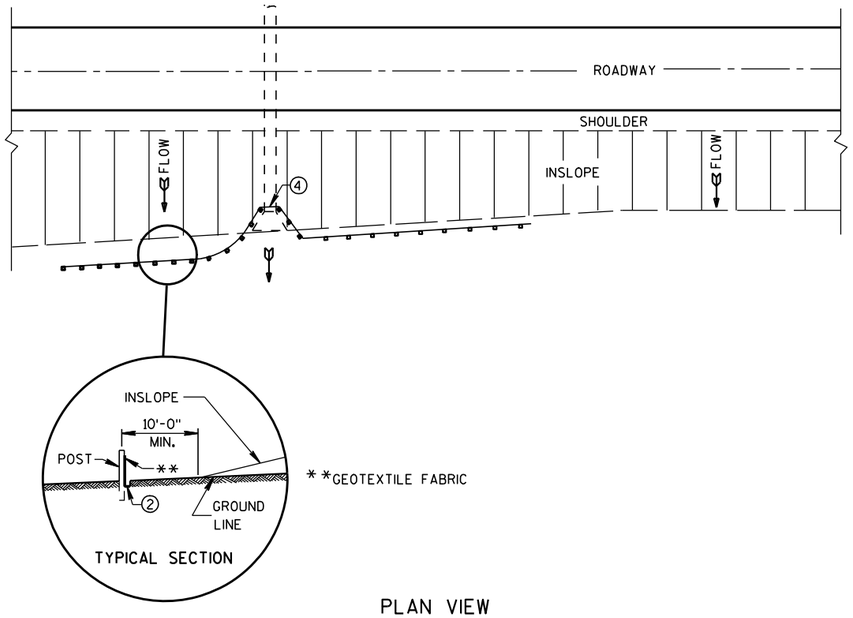
6/04/02 — DATE

/S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

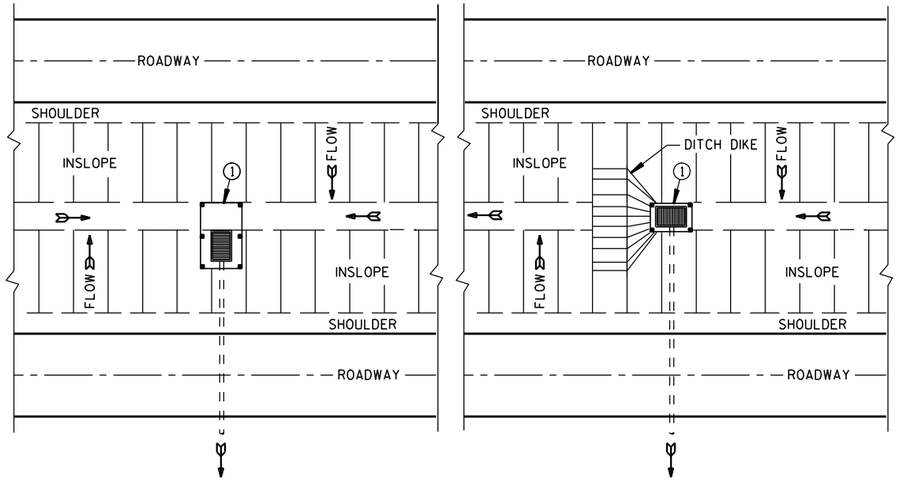
6

S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



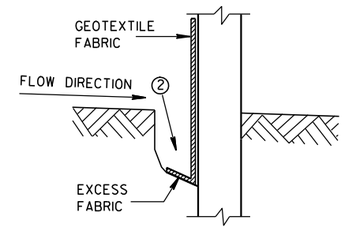
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

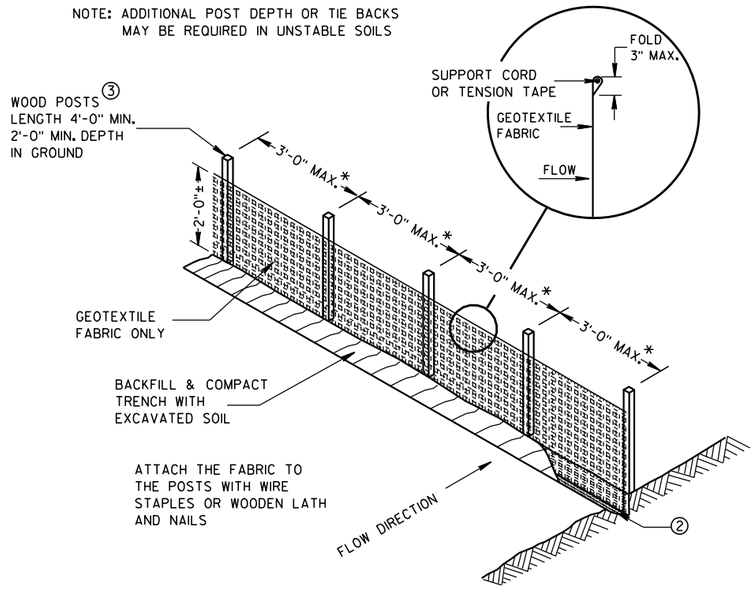
GENERAL NOTES

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

1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.

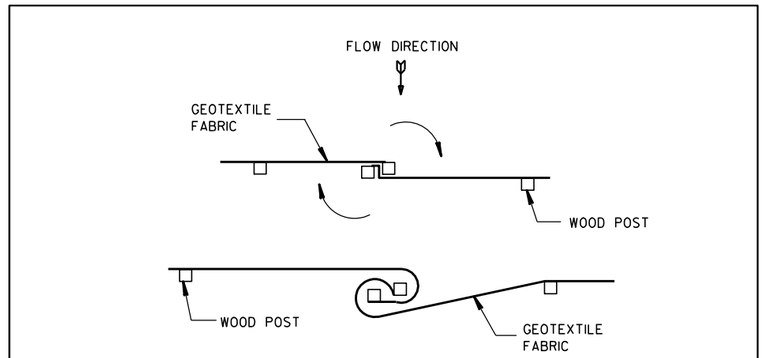


TRENCH DETAIL

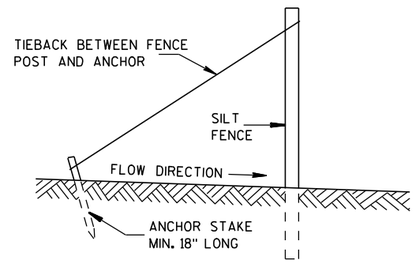


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE



JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6

S.D.D. 8 E 9-6

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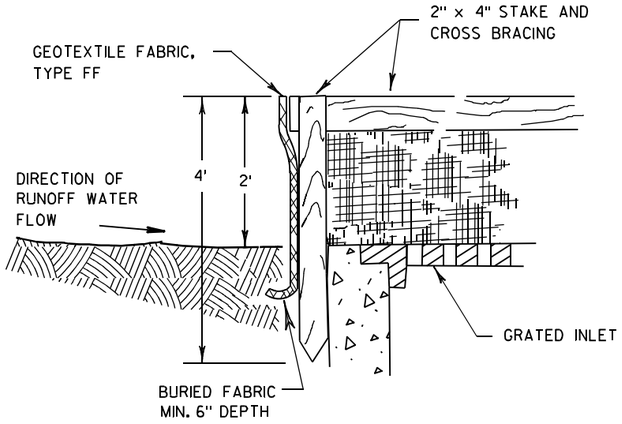
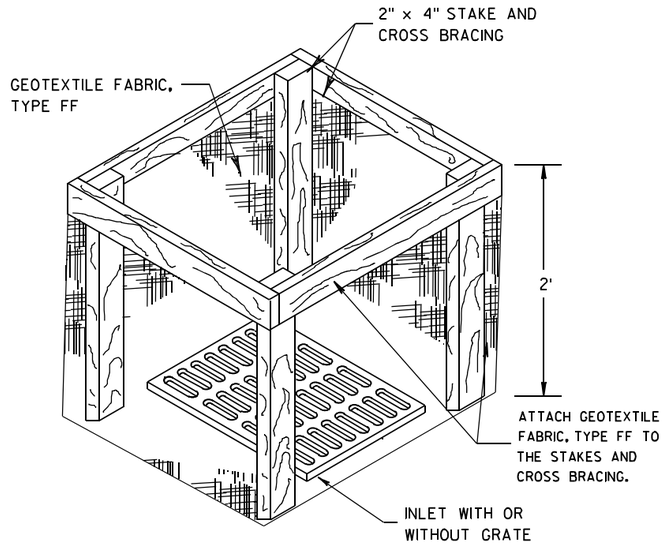
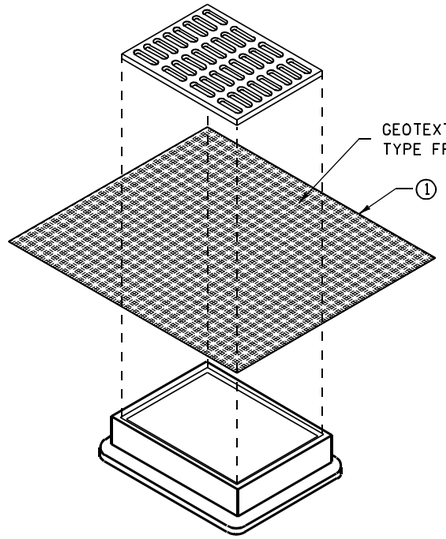
S.D.D. 8 E 9-6



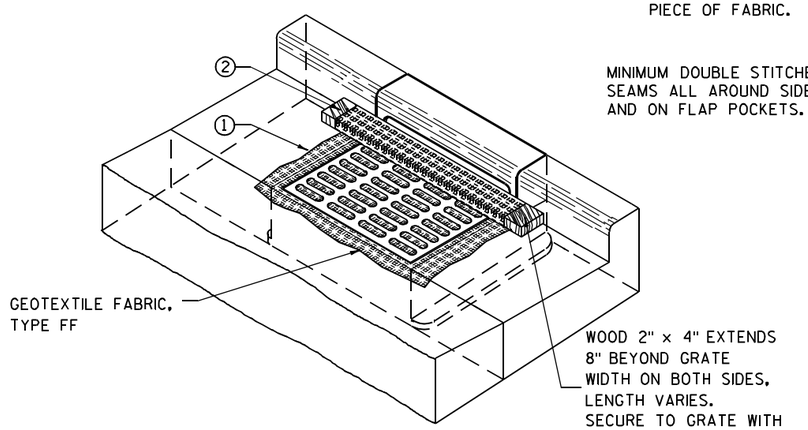


INLET PROTECTION, TYPE A

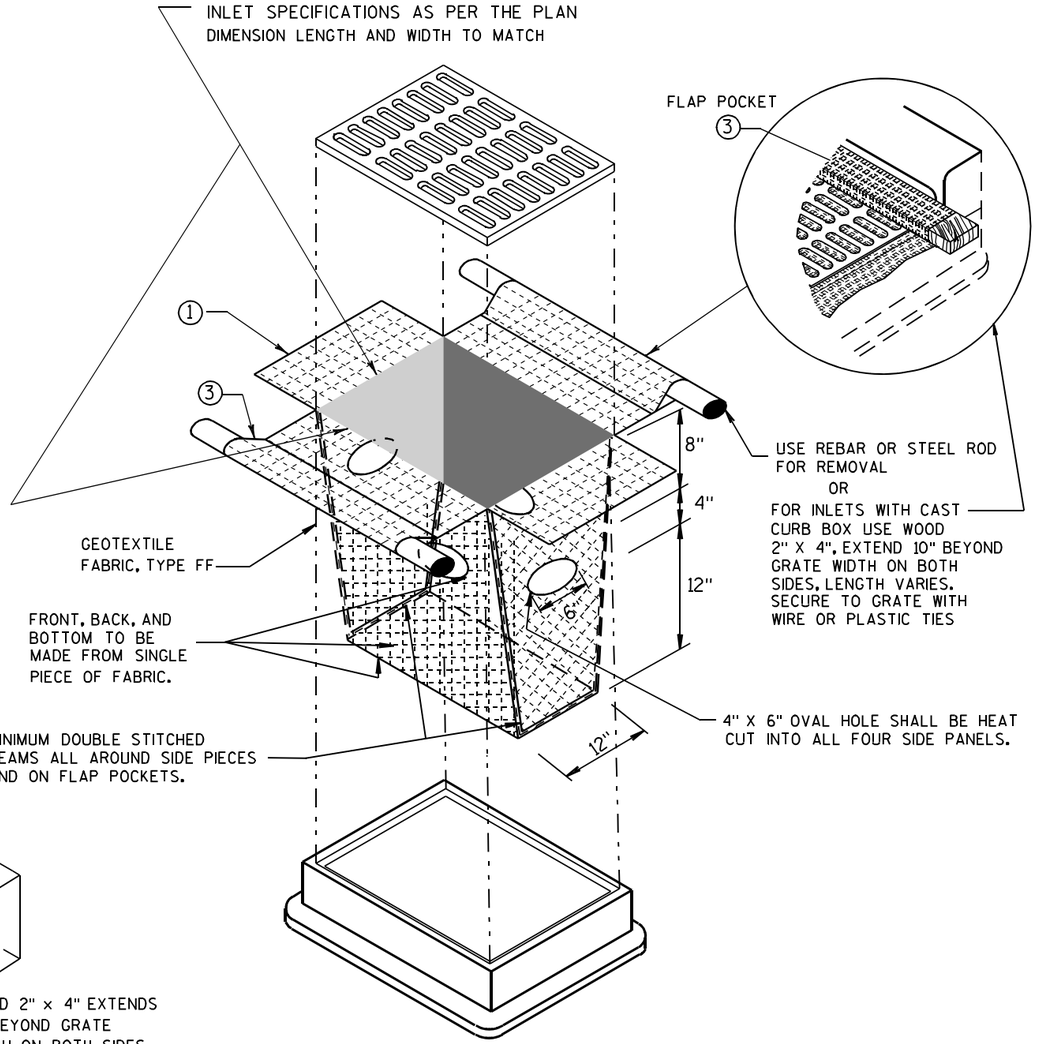


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

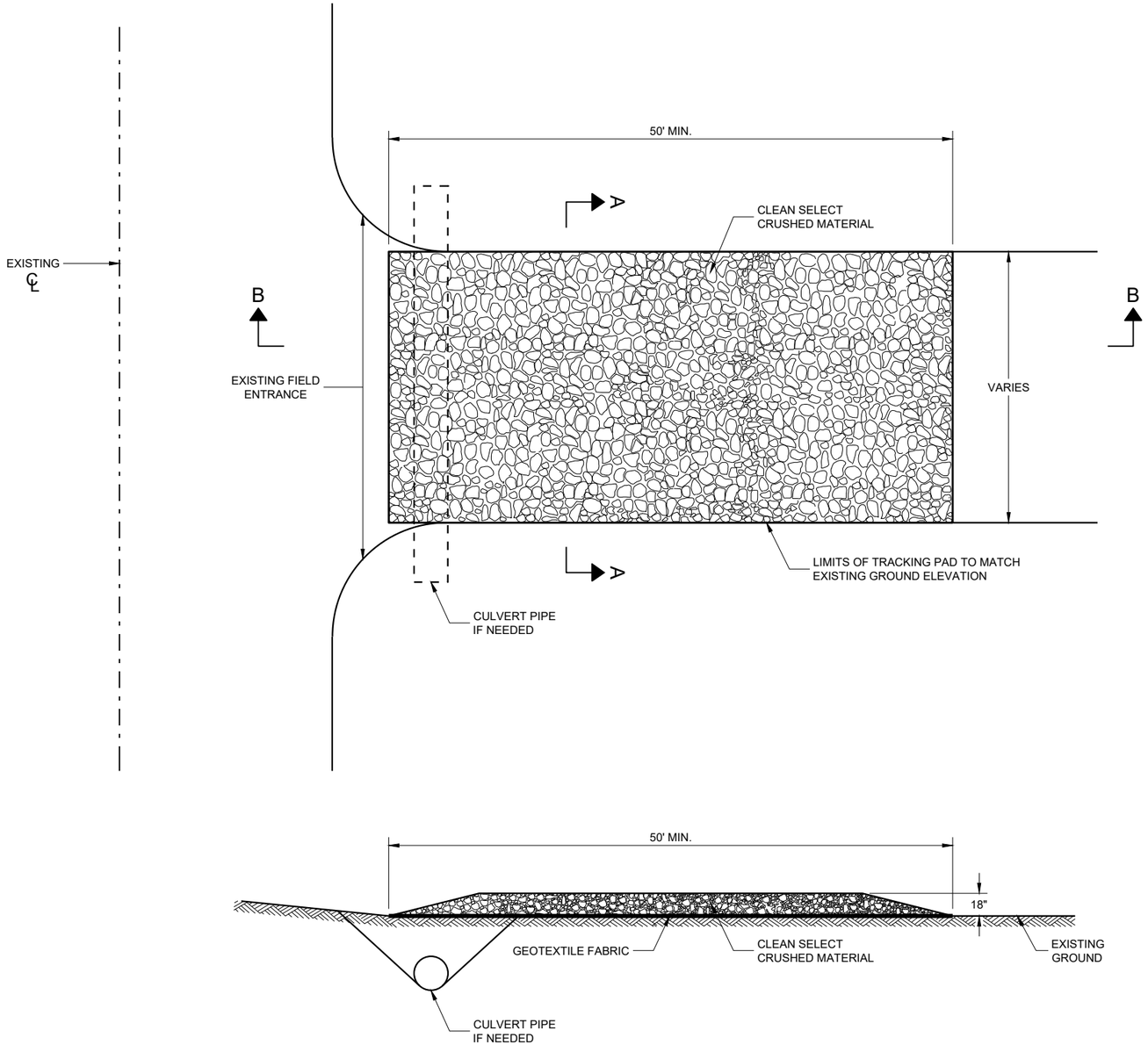
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 10-2



SECTION B - B

GENERAL NOTES

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

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

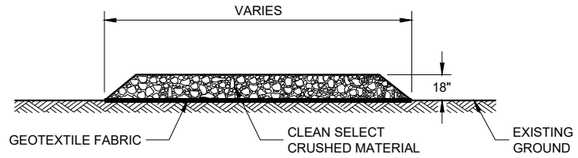
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A - A

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SDD 08E14 - 01

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/24/2011
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE ENGINEER

FHWA

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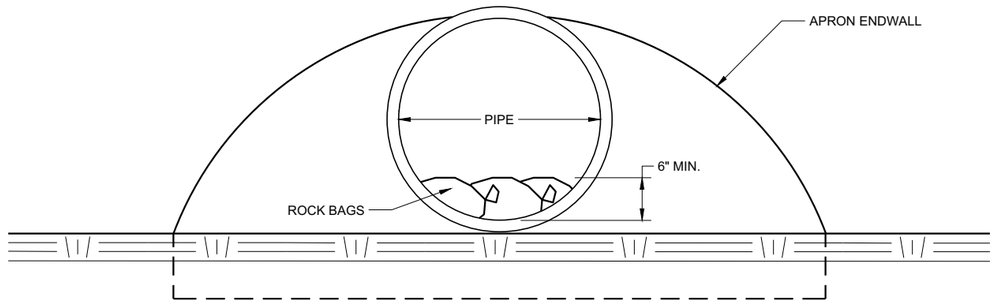
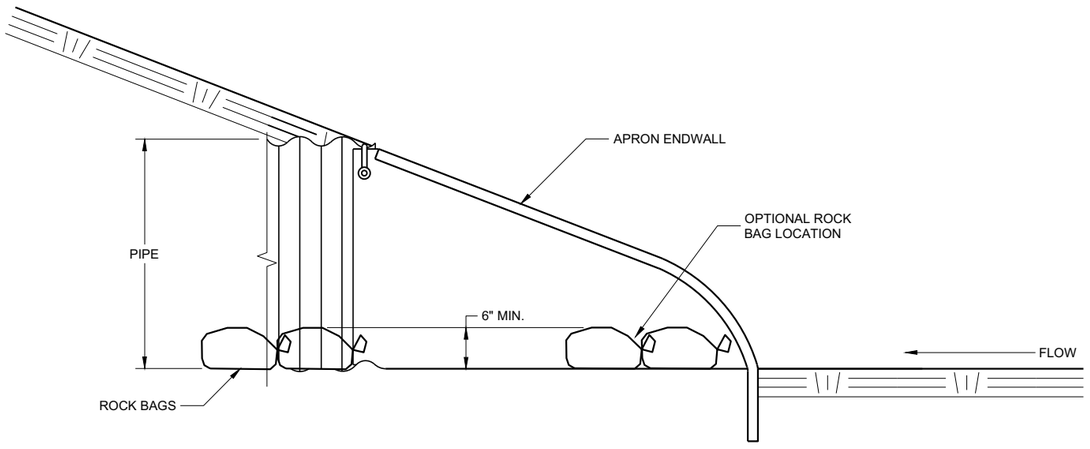
SDD 08E14 - 01



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

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

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SDD 08E15 - 01

METAL APRON ENDWALLS

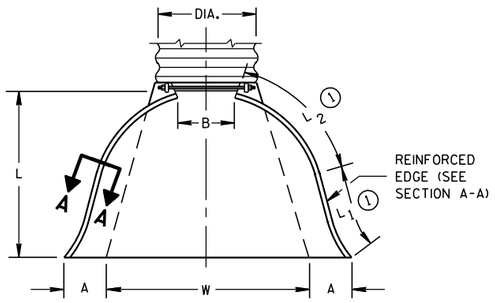
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

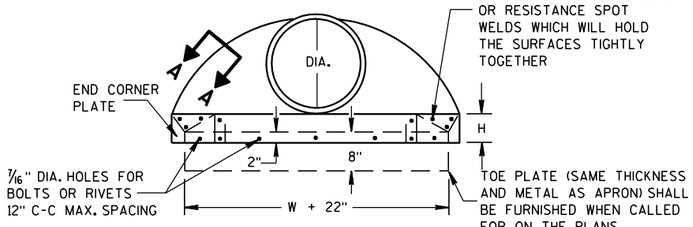
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

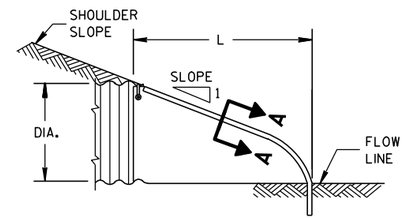
*MINIMUM
**MAXIMUM



PLAN VIEW

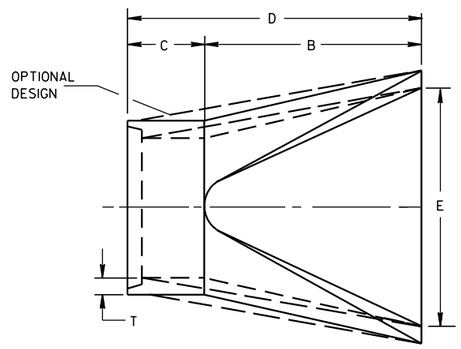


END VIEW

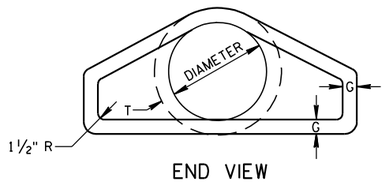


SIDE ELEVATION

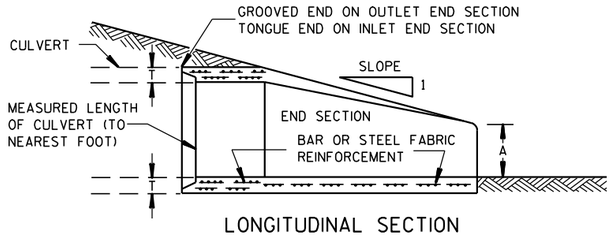
METAL ENDWALLS



PLAN

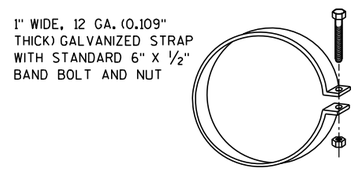


END VIEW



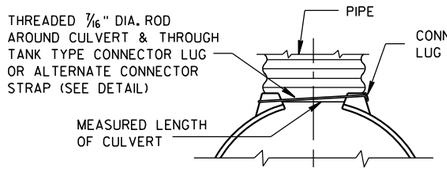
LONGITUDINAL SECTION

CONCRETE ENDWALLS

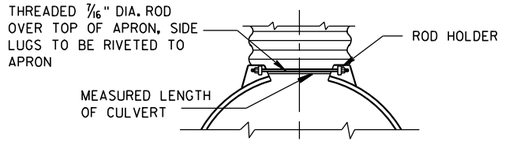


ALTERNATE FOR TYPE 1 CONNECTION

END SECTION CONNECTOR STRAP

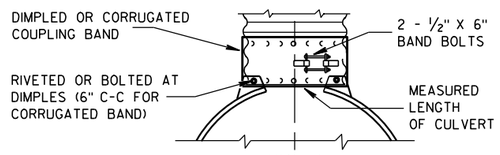


TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE

TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

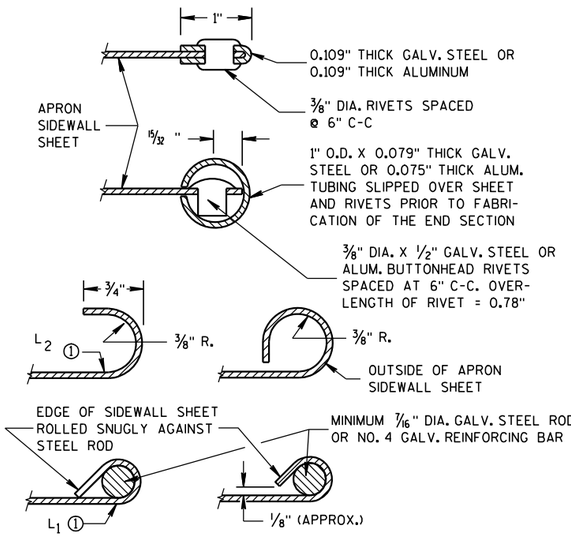
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

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

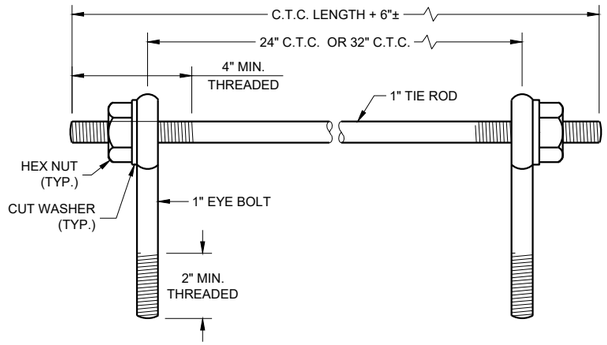
APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

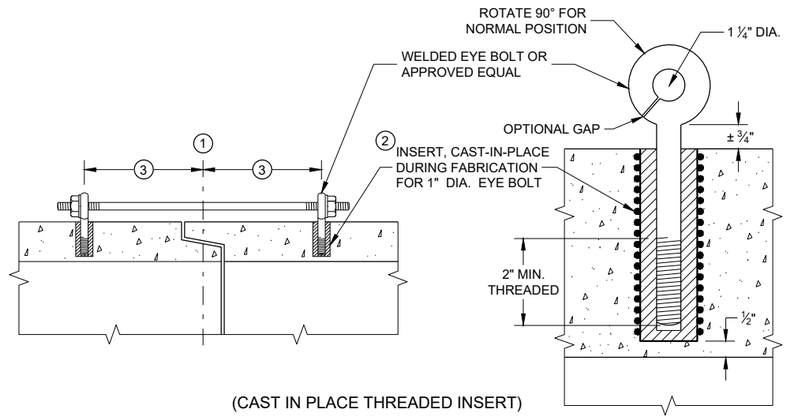
APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 F 1-11



EYE BOLTS AND TIE ROD



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

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

GENERAL NOTES

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

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

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

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

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

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

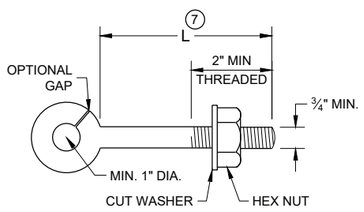
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

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

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

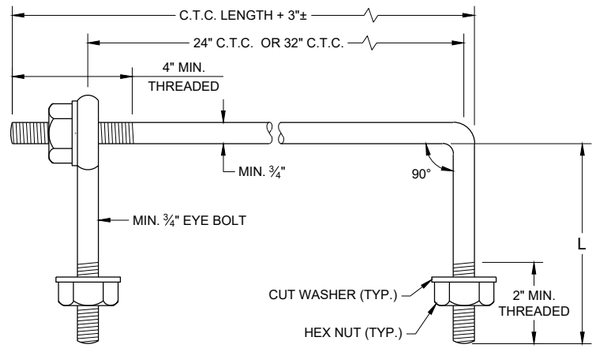
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

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

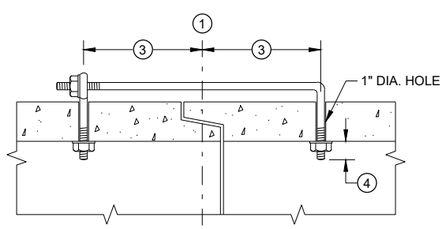


EYE BOLT (7)

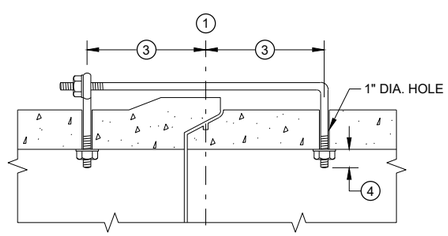
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

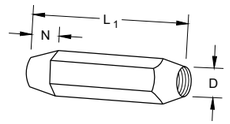
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

ADJUSTABLE TIE ROD TABLE

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

DIMENSIONS SHOWN ARE IN INCHES



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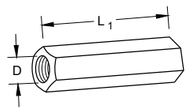
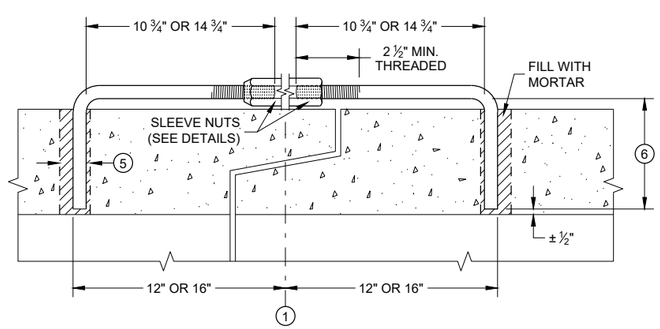


PLAIN

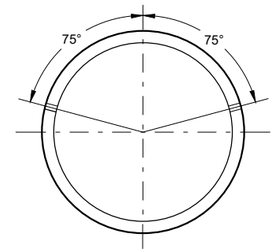
RIGHT AND LEFT THREADS

SLEEVE NUTS



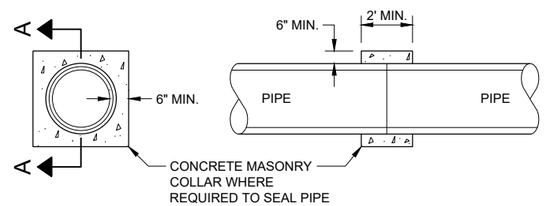
LONGITUDINAL SECTION

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



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

TRANSVERSE SECTION



SECTION A - A

CONCRETE COLLAR DETAIL

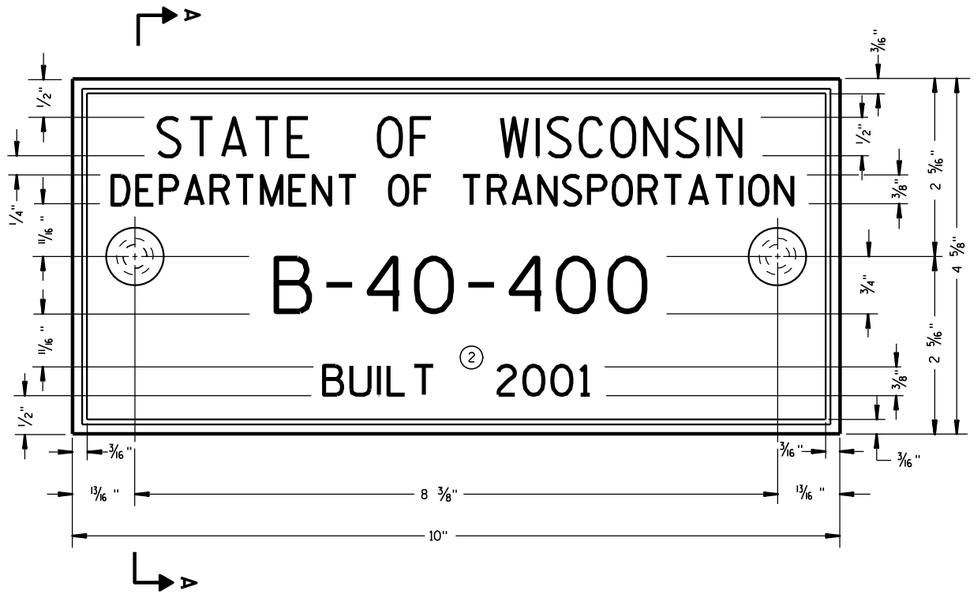
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

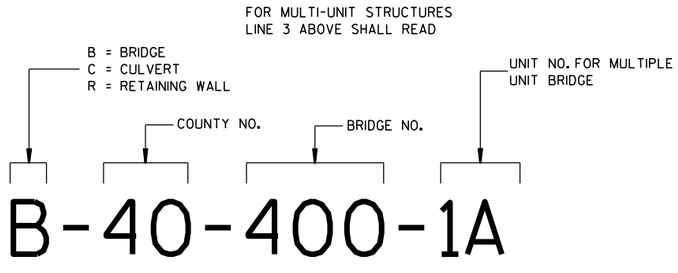
APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

SDD 08F04 - 08

SDD 08F04 - 08



TYPICAL NAME PLATE
(BRIDGES, CULVERTS, AND RETAINING WALLS)



NUMBERING DESIGNATION
MULTI-UNIT STRUCTURES

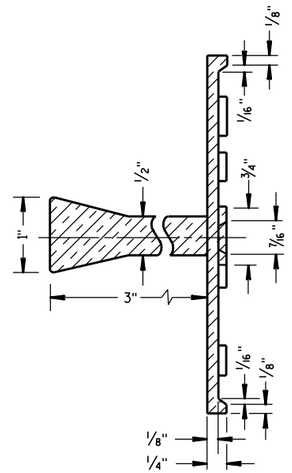
GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

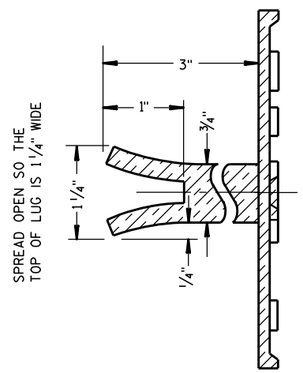
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

(1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

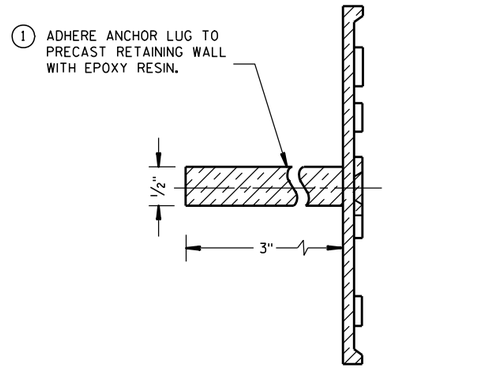
(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SECTION A-A



ALTERNATE LUG



ALTERNATE LUG
(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/26/10 DATE

/S/ Scot Beck -- CHIEF STRUCTURAL DEVELOP ENGINEER

FHWA

6

S.D.D. 12 A 3-10

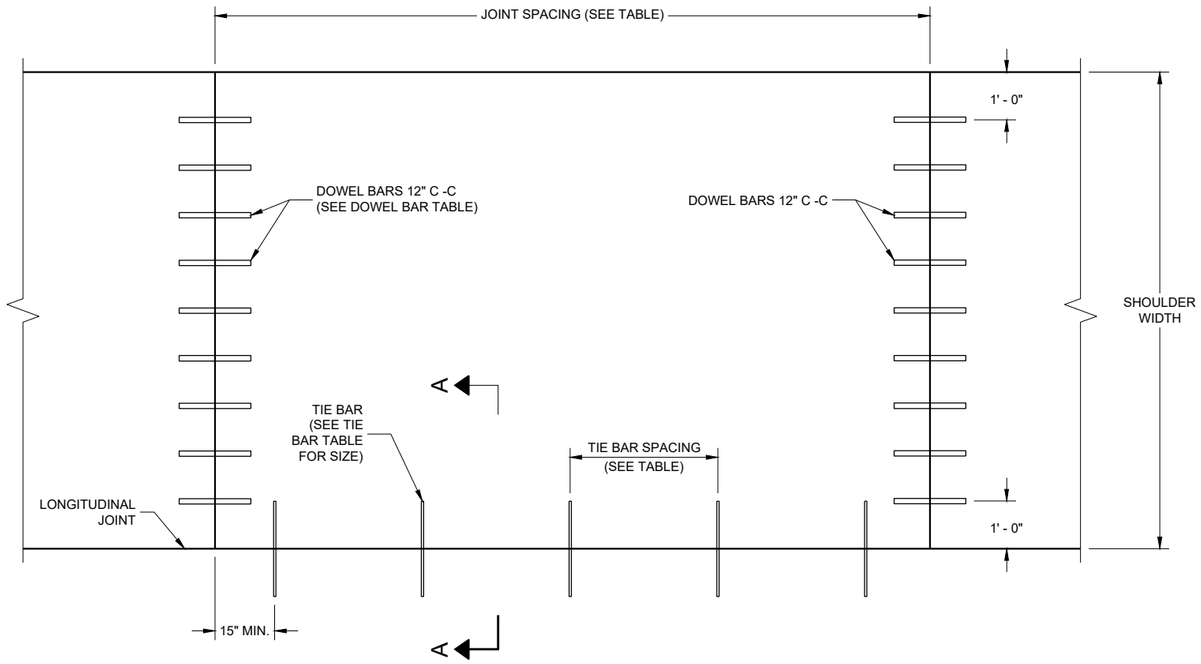
GENERAL NOTES

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

TRANSVERSE JOINT DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

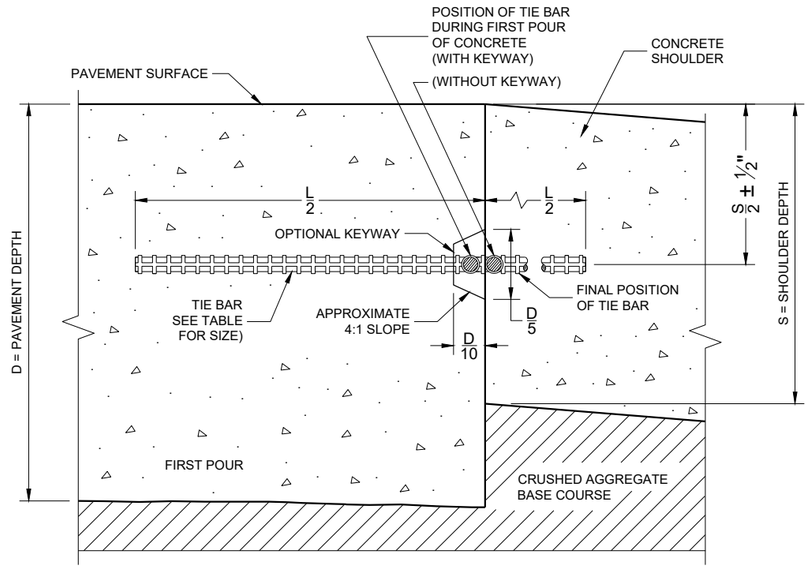
FINISH THE SHOULDER PAVEMENT CONFORMING TO SUBSECTION 415.3.8 OF THE STANDARD SPECIFICATIONS.

TIE BARS SHALL CONFORM TO SUBSECTION 505.2.4 OF THE STANDARD SPECIFICATIONS.



PLAN VIEW

CONCRETE PAVEMENT SHOULDER



SECTION A - A

LONGITUDINAL CONSTRUCTION JOINT

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
<10 ½"	NO. 4	30"	36"
>10 ½"	NO. 5	36"	36"
	NO. 4*	30"	24"**

* SUBSTITUTE BENT BATS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES.

** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER ***	CONTRACTION JOINT SPACING
6", 6 ½"	NONE	12"
7", 7 ½"	1"	14"
8" & ABOVE	1 ¼"	15"

*** FOR DOWELED CONCRETE SHOULDERS WITH TRAPEZOIDAL CROSS SECTIONS, CHOSE THE APPROPRIATE DOWEL BAR DIAMETER BASED ON THE SMALLER PAVEMENT DEPTH (LIKELY THE OUTSIDE EDGE OF THE SHOULDER). IF USING BASKETS, USE BASKETS FRO THE AVERAGE THICKNESS OF THE CROSS SECTION.

CONCRETE PAVEMENT SHOULDERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Peter Kemp
PAVEMENT SUPERVIS

FHWA

6

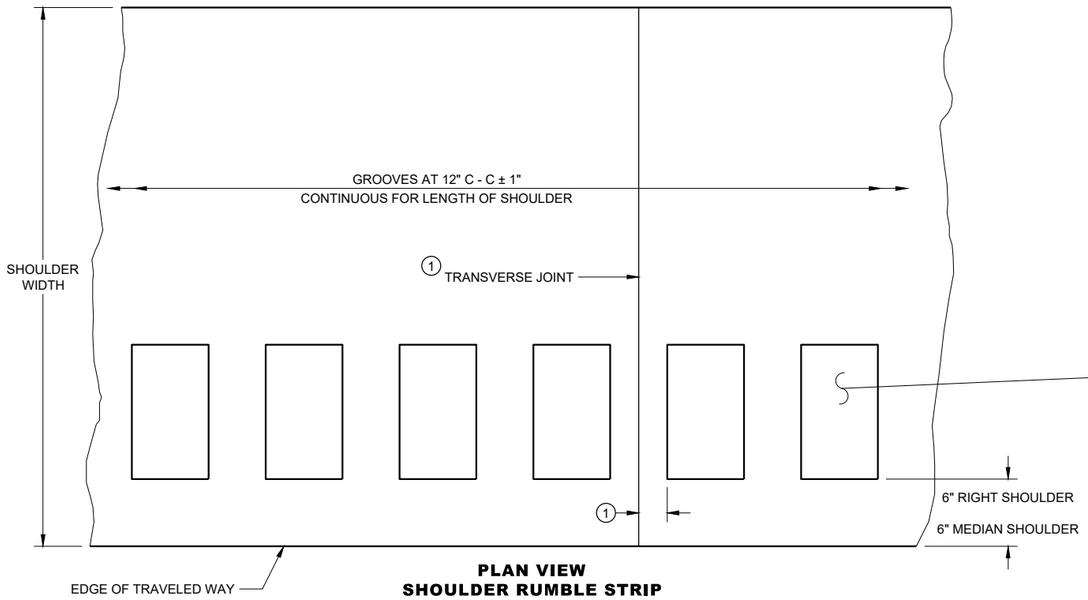
SDD 13A03 - 07

GENERAL NOTES

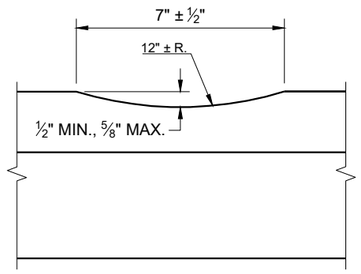
SDD 13A5, SHEET "b" SHOWS THE LOCATION OF THE RUMBLE STRIPS AT RAMP AND GORE LOCATIONS.

RUMBLE STRIPS ON EXPRESSWAYS:
DO NOT INSTALL SHOULDER RUMBLE STRIPS ACROSS SIDE ROAD INTERSECTIONS, COMMERCIAL AND PRIVATE DRIVEWAYS, ADJACENT TO RIGHT TURN LANES, LEFT TURN LANES, TURN LANE TAPERS, 25' IN ADVANCE OF BRIDGE DECKS, 25' IN ADVANCE OF BRIDGE APPROACHES, OR 100 FEET IN ADVANCE OF RAILROAD CROSSINGS.

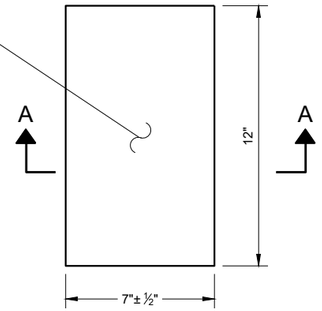
(1) CONCRETE PAVEMENT - RUMBLE STRIPS SHALL BE A MINIMUM OF 6 INCHES AWAY FROM TRANSVERSE JOINTS.



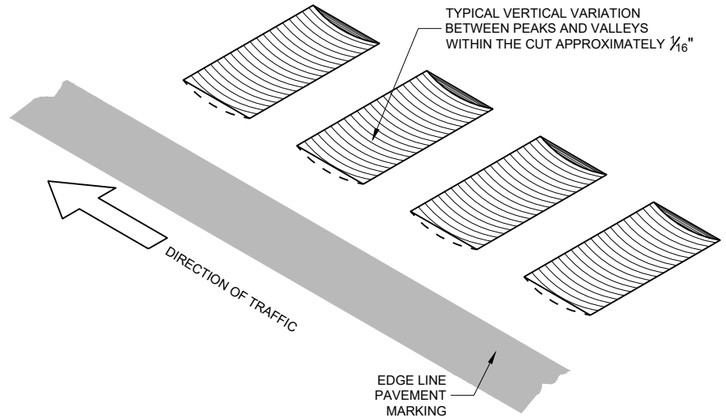
PLAN VIEW
SHOULDER RUMBLE STRIP



SECTION A - A

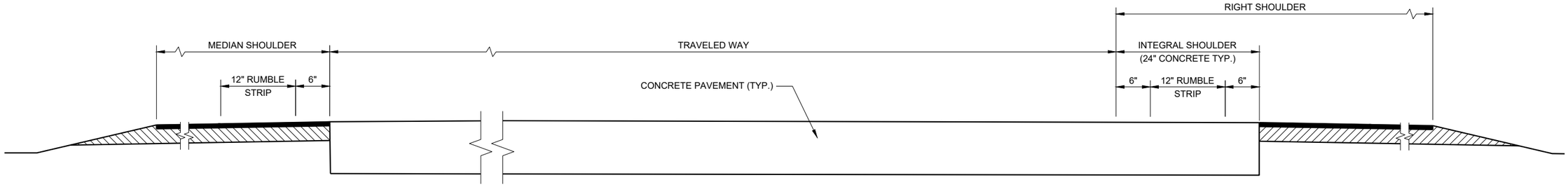


PLAN VIEW
(SINGLE GROOVE)



ISOMETRIC

PLACEMENT DETAIL FOR RUMBLE STRIP



SECTION VIEW

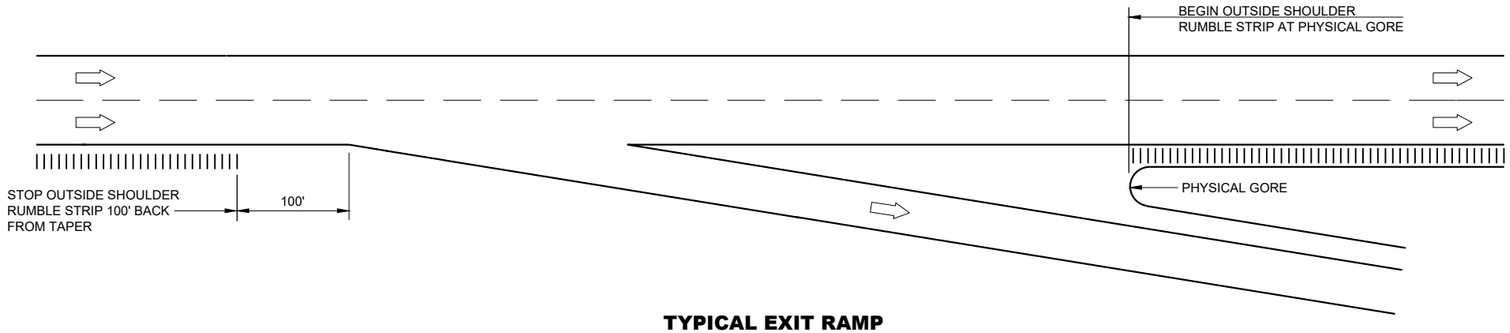
TYPICAL SHOULDER RUMBLE STRIPS
(ONE ROADWAY IS SHOWN)

SHOULDER RUMBLE STRIPS, DIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13A05-06a



TYPICAL EXIT RAMP

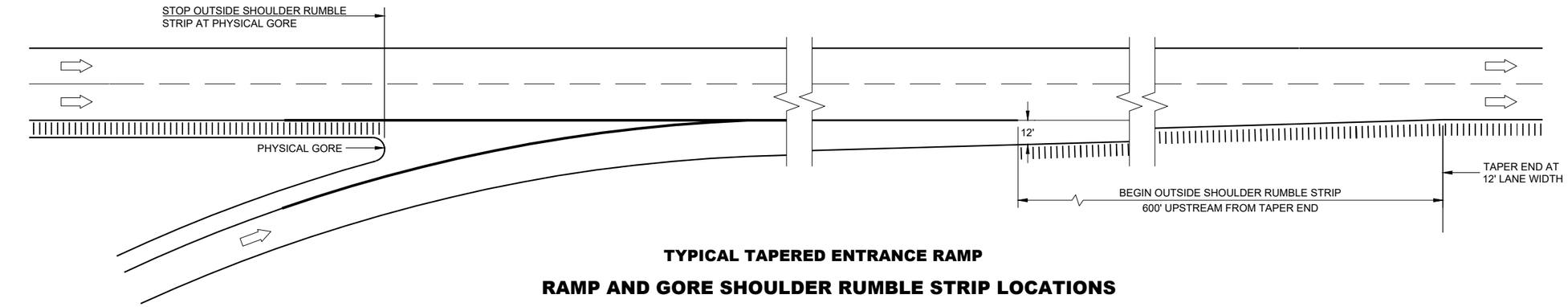
GENERAL NOTES

NO RUMBLE STRIP ON EXIT, DIRECTIONAL OR ENTRANCE RAMPS, EXCEPT NEAR THE ENTRANCE TAPER END AND ALONG THE PARALLEL RAMP AREA AS SHOWN.

RUMBLE STRIPS ON EXPRESSWAYS:
DO NOT INSTALL SHOULDER RUMBLE STRIPS ACROSS SIDE ROAD INTERSECTIONS, COMMERCIALAND PRIVATE DRIVEWAYS, ADJACENT TO RIGHT TURN LANES, LEFT TURN LANES, TURN LANE TAPERS, 25' IN ADVANCE OF BRIDGE DECKS, 25' IN ADVANCE OF BRIDGE APPROACHES, OR 100 FEET IN ADVANCE OF RAILROAD CROSSINGS.

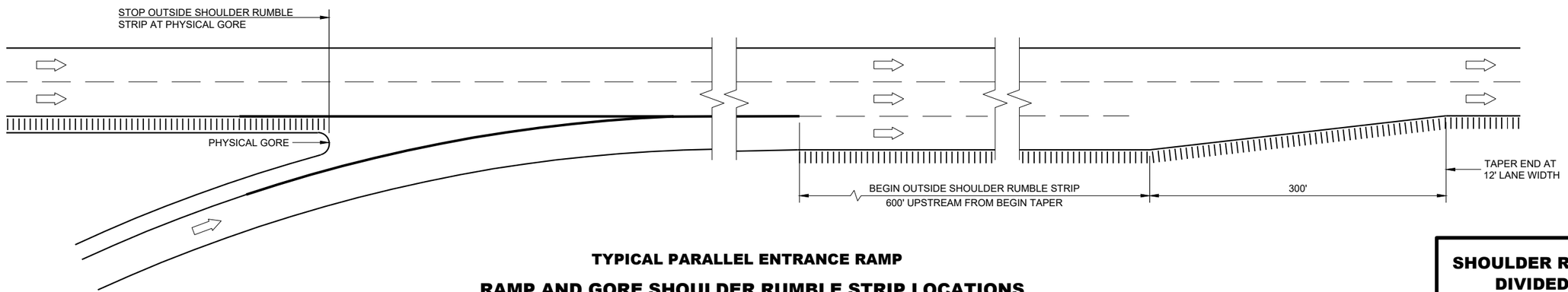
LEGEND

DIRECTION OF TRAFFIC



TYPICAL TAPERED ENTRANCE RAMP

RAMP AND GORE SHOULDER RUMBLE STRIP LOCATIONS



TYPICAL PARALLEL ENTRANCE RAMP

RAMP AND GORE SHOULDER RUMBLE STRIP LOCATIONS

SHOULDER RUMBLE STRIPS, DIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Rodney Taylor
ROADWAY DESIGN STANI
UNIT SUPERVISOR

FHWA

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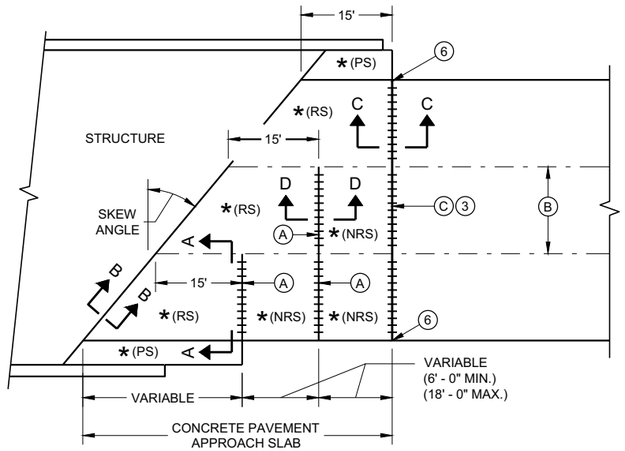
SDD 13A05-06b



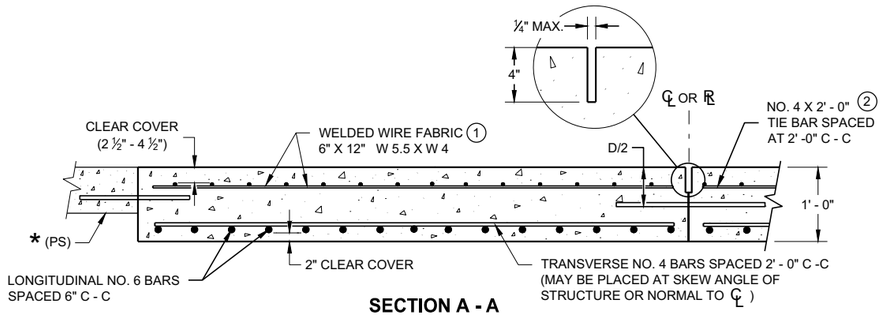
SKEWED APPROACH
(PAVEMENT MORE THAN TWO LANES)

* (RS) = REINFORCED CONCRETE SLAB

* (PS) = PAVED CONCRETE SHOULDER OR CONCRETE DRAINAGE SLAB

* (NRS) - NON - REINFORCED CONCRETE SLAB

*** STANDARD DOWEL BAR DIAMETER (SEE SDD 13C11 AND SDD 13C13)



SECTION A - A
REINFORCEMENT POSITIONING DETAIL

GENERAL NOTES

THE CONTRACTOR MAY SPLICE NO. 6 BARS IN THE APPROACH SLAB FOR SKEWED STRUCTURES ONLY. STAGGER SPLICES WITH A MAXIMUM OF ONE SPLICE PER BAR. THE LENGTH OF LAP IS 20 INCHES.

TACK WELD DOWEL BARS TO THE BASKETS ON ALTERNATE ENDS.

(1) THE CONTRACTOR MAY USE NO. 4 BARS SPACED AT 2' - 0 " C - C IN BOTH THE LONGITUDINAL AND TRANSVERSE DIRECTIONS FOR TOP REINFORCEMENT AS AN ALTERNATIVE TO THE WELDED WIRE FABRIC.

(2) THE CONTRACTOR MAY OMIT THE BARS BETWEEN REINFORCED SLABS WHERE SLAB REINFORCEMENT BARS EXTEND ACROSS THE CENTERLINE OR REFERENCE LINE.

(3) DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING AN HMA PAVEMENT.

(4) USE A JOINT SEALANT CONFORMING TO STANDARD SPECIFICATION 415.2.6.

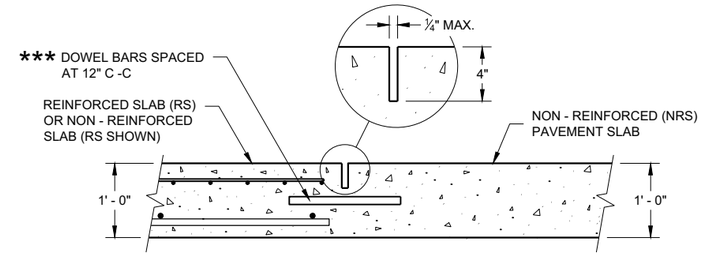
(5) PLACE EXPANSION CAP ON THE END OF THE DOWEL THAT IS NOT TACK WELDED TO THE BASKET. DO NOT FORCE DOWEL BAR PAST THE DOWEL STOP.

(6) EXTEND EXPANSION JOINT THROUGH ANY ADJACENT TIED CONCRETE.

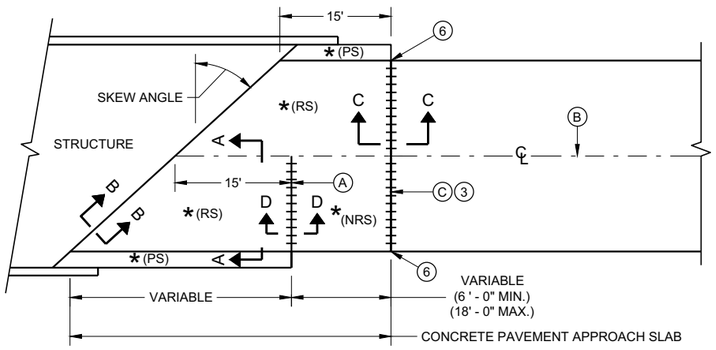
(A) STANDARD CONTRACTION JOINT NORMAL TO ℄ OR ℞.

(B) STANDARD LONGITUDINAL JOINT WITH TIE BARS.

(C) 1 ½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℞ .

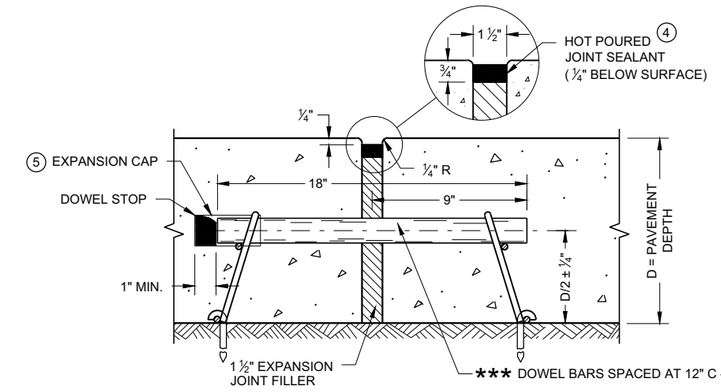


SECTION D - D
CONTRACTION JOINT

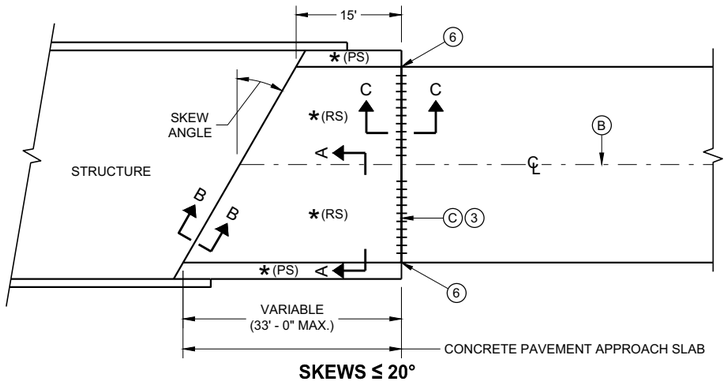


SKEWS > 20°
(PAVEMENT WIDTH ≤ 30')

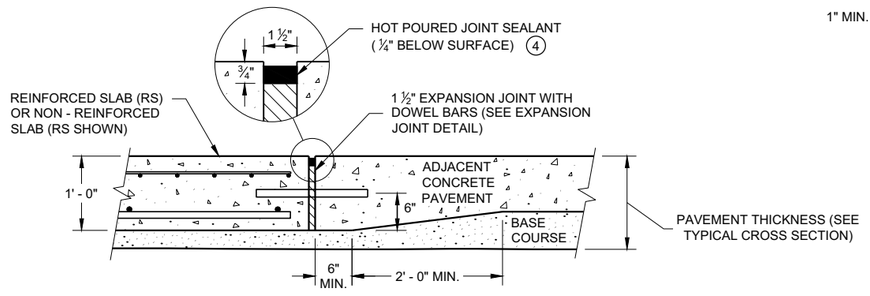
SECTION B - B
BEND DETAIL
BOTTOM REINFORCEMENT



EXPANSION JOINT DETAIL



SKEWS ≤ 20°
(PAVEMENT WIDTH ≤ 30')



SECTION C - C
TRANSITION DETAIL
APPROACH SLAB TO ADJACENT PAVEMENT

APPROACH SLAB AND ADJACENT PAVEMENT

CONCRETE PAVEMENT APPROACH SLAB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Peter Kemp, P.E.
PAVEMENT SUPERVISOR

FHWA

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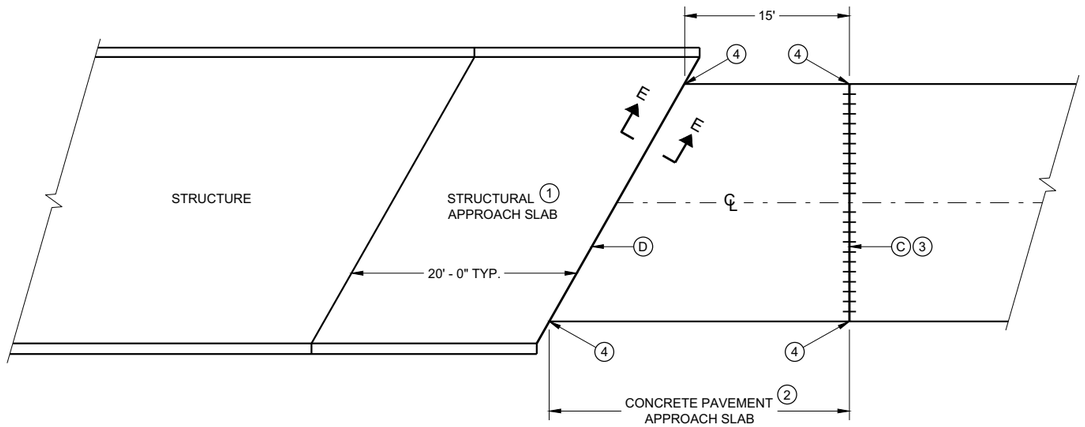
SDD 13B02 - 09a

SDD 13B02 - 09a



BRIDGE APPROACHES

GENERAL NOTES

ALL PROJECTS THAT INVOLVE A STRUCTURAL APPROACH SLAB WILL ALSO HAVE A CONCRETE PAVEMENT APPROACH SLAB.

(1) SEE BRIDGE PLAN.

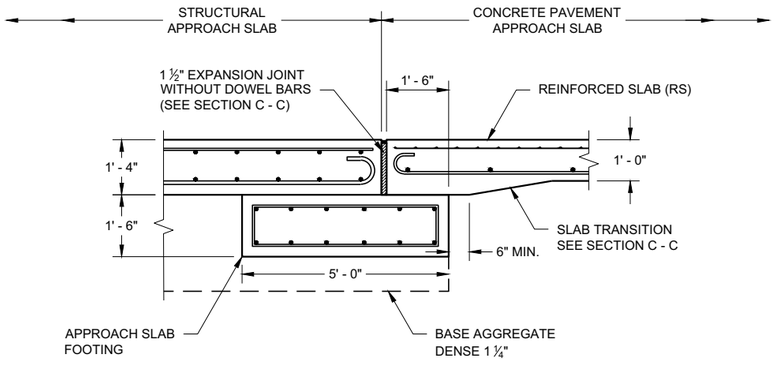
(2) CONFORM TO SDD 13B02 SHEET A FOR CONCRETE PAVEMENT APPROACH SLAB DETAILS

(3) DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING AN HMA PAVEMENT.

(4) EXTEND EXPANSION JOINT THROUGH ANY ADJACENT TIED CONCRETE.

(C) 1 ½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℞.

(D) 1 ½" EXPANSION JOINT (NO DOWELS)



SECTION E - E
FOOTING DETAIL
STRUCTURAL APPROACH SLAB TO CONCRETE BRIDGE APPROACH

STRUCTURAL APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

FHWA

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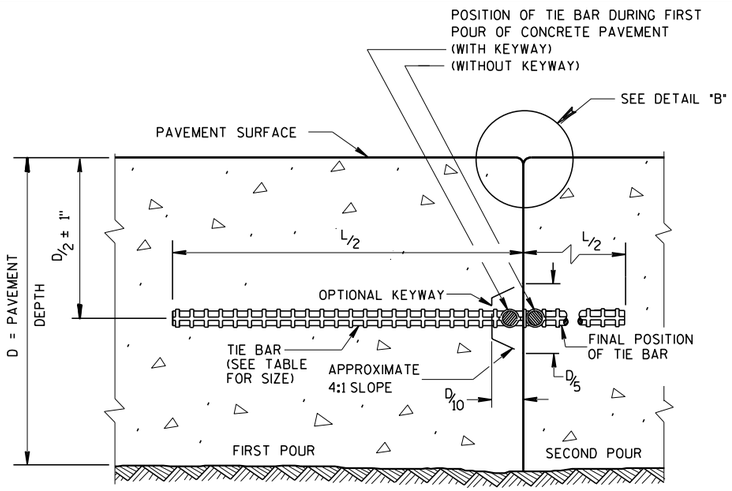
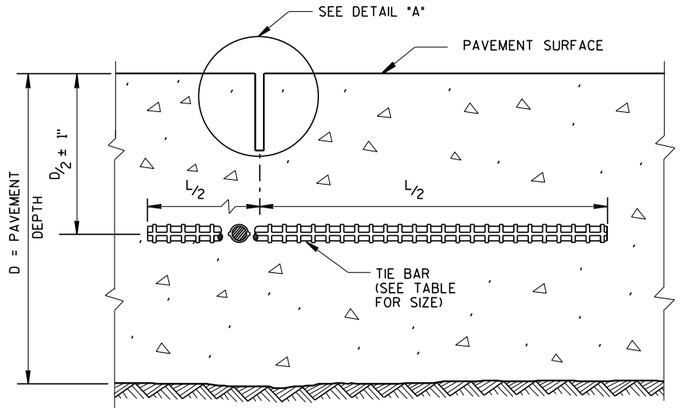
SDD 13B02 - 09b



CONSTRUCTION JOINT



SAWED JOINT

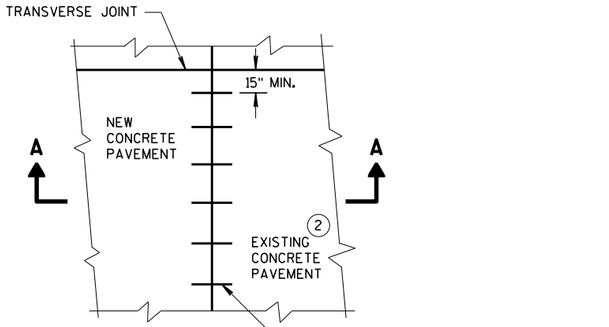
GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

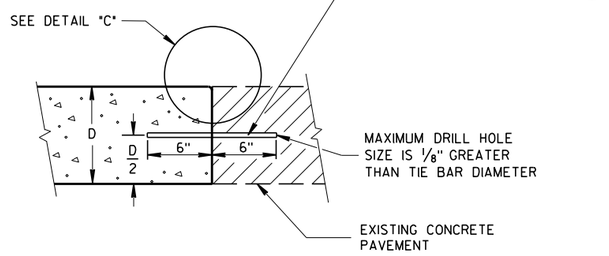
CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

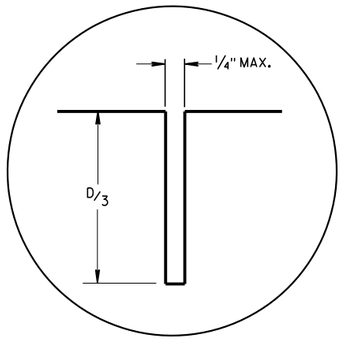


PLAN VIEW

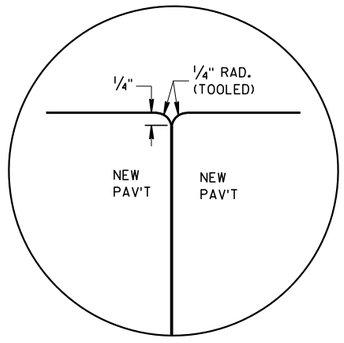


SECTION A-A

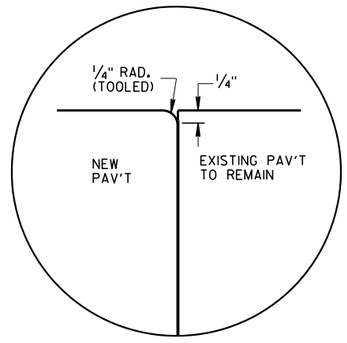
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT



DETAIL "A"



DETAIL "B"



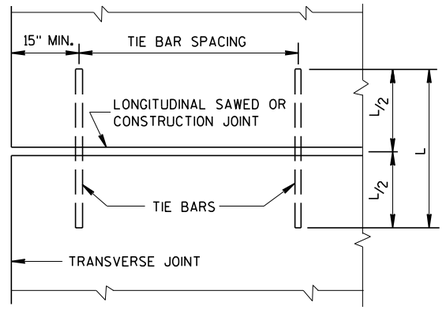
DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT
LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Peter Kemp PE — PAVEMENT SUPE
FHWA

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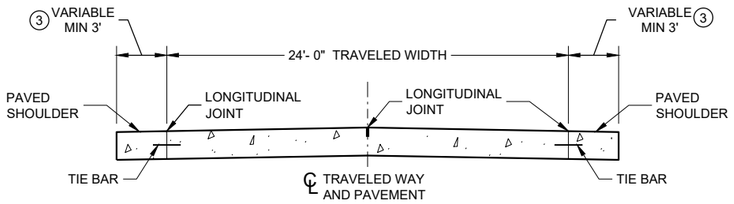
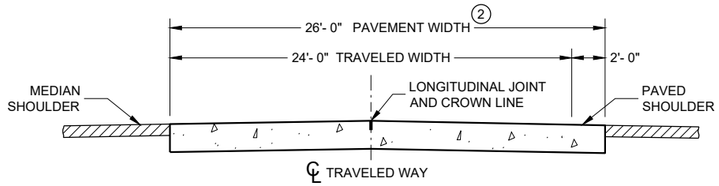
S.D.D. 13 C 1-19

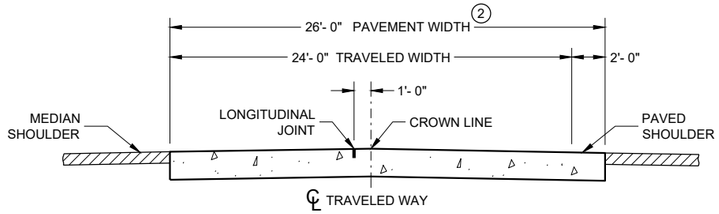


SECTION A - A

TWO-LANE TWO-WAY HIGHWAY (1)



SECTION B - B



ALTERNATIVE SECTION B - B

DIVIDED HIGHWAY (1)

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES FROM AND A MAXIMUM OF 18 INCHES FROM THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO THE CONTRACTION JOINTS.

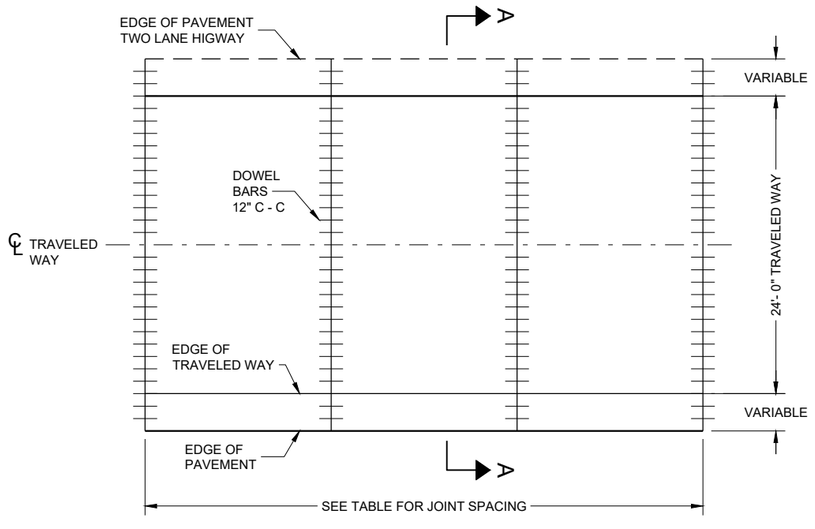
(1) REFER TO TYPICAL CROSS SECTIONS FOR ADDITIONAL DETAILS.

(2) MEASURE THE ENTIRE PAVED WIDTH INCLUDING THE PORTION(S) LABELED "PAVED SHOULDER" AS CONCRETE PAVEMENT.

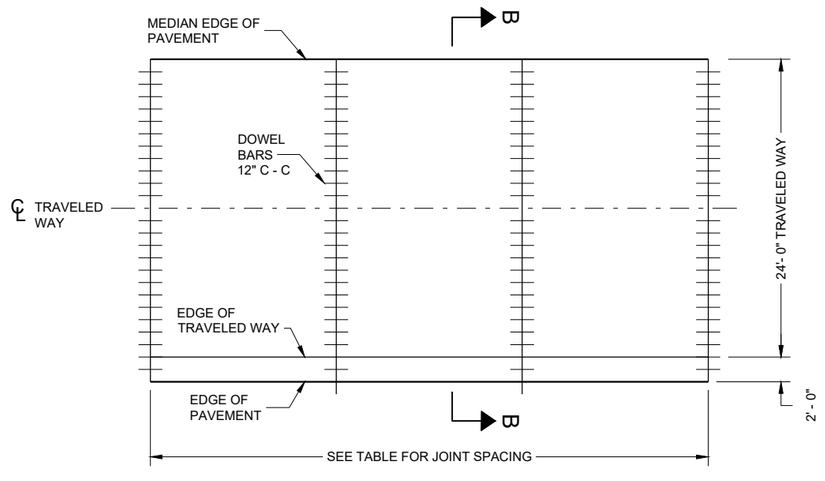
(3) SHOULDER WIDTHS LESS THAN 3 FEET SHALL BE PAVED INTEGRAL TO THE MAINLINE CONCRETE PAVEMENT, SEE SECTION B-B.

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8" & ABOVE	1 ¼"	15'



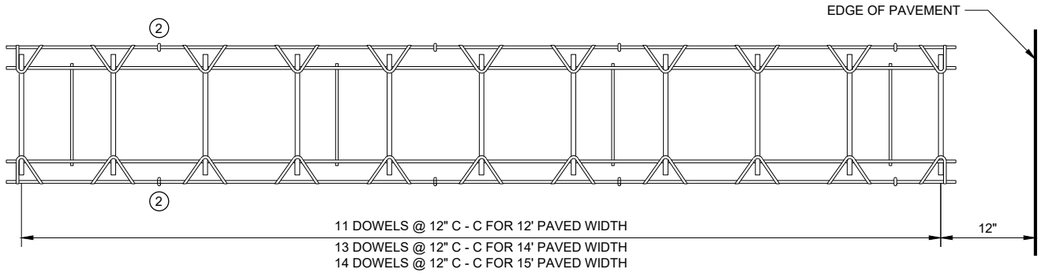
CONTRACTION JOINT LAYOUT FOR TWO-LANE TWO-WAY HIGHWAY



CONTRACTION JOINT LAYOUT FOR DIVIDED HIGHWAY

RURAL DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



PLAN VIEW

SIDE VIEW

(NORMAL TO CENTERLINE)

CONTRACTION JOINT DOWEL ASSEMBLY (1)

GENERAL NOTES

(1) OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTION CONTRACTION JOINTS.

(2) SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

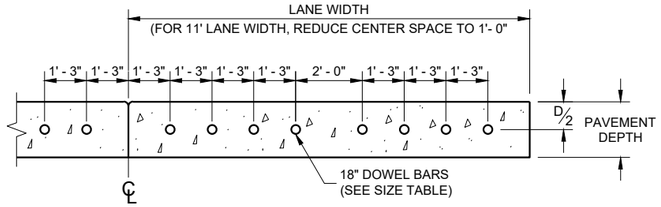
(3) FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼" RADIUS AT FORMED JOINTS.

(4) PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

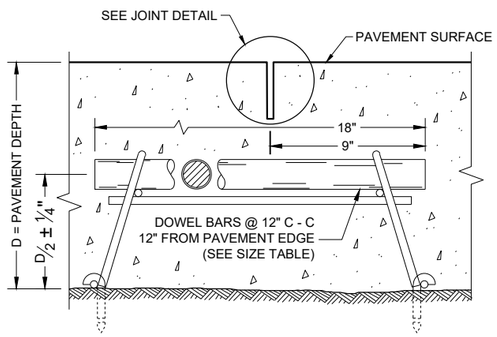
(5) INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C - C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO THE "DRILLED DOWEL BAR CONSTRUCTION JOINT" DETAIL.

(6) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

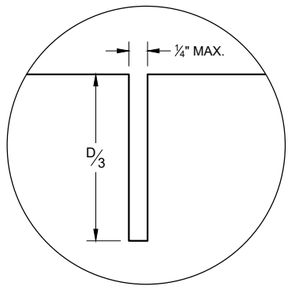
(7) ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛" GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



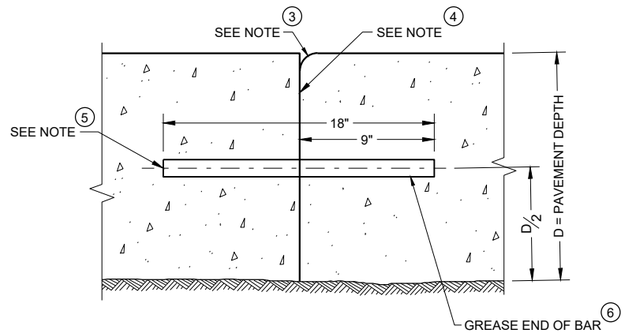
DRILLED DOWEL BAR CONSTRUCTION JOINT (7)



DOWELED CONTRACTION JOINT



JOINT DETAIL



TRANSVERSE CONSTRUCTION JOINT

RURAL DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVISOR

FHWA

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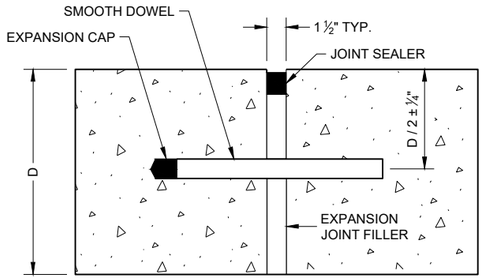
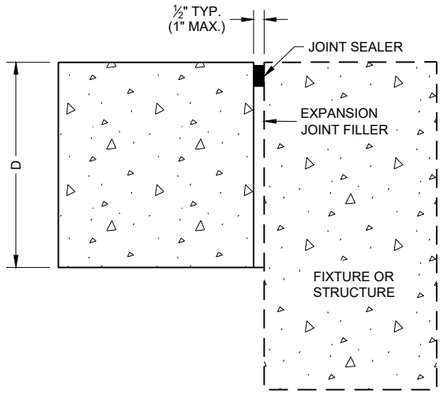
SDD 13C11 - 14b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

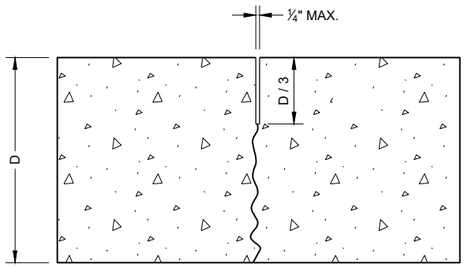
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

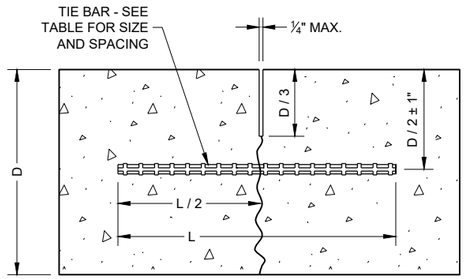
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A ¼" RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



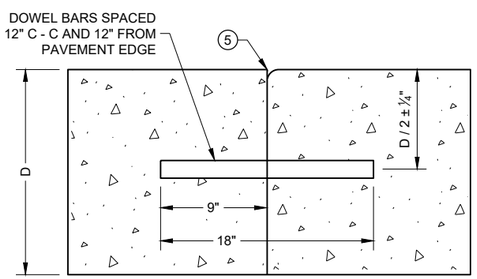
UNDOWELED TRANSVERSE



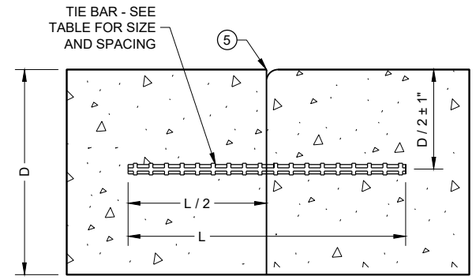
TIED LONGITUDINAL

DOWELED TRANSVERSE

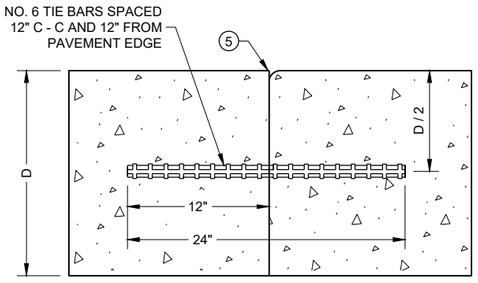
CONTRACTION JOINTS (2)



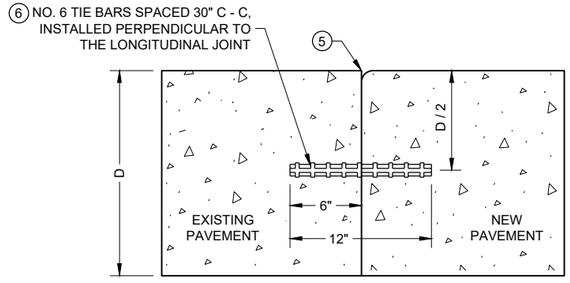
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



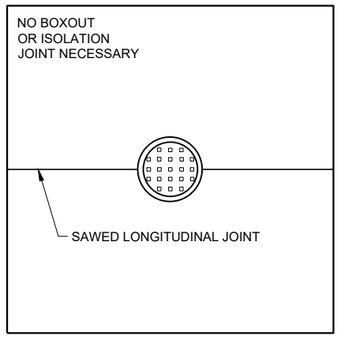
TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



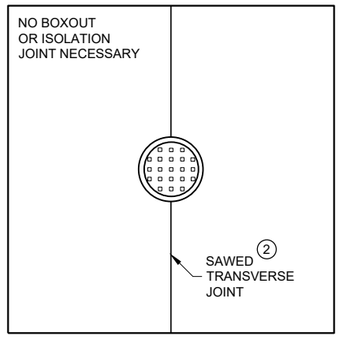
TIED LONGITUDINAL TO EXISTING

CONSTRUCTION JOINTS (4)

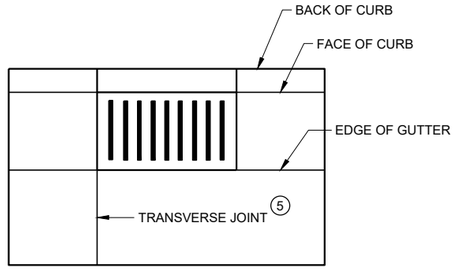
CONCRETE PAVEMENT JOINT TYPES



MANHOLE WITH LONGITUDINAL JOINT



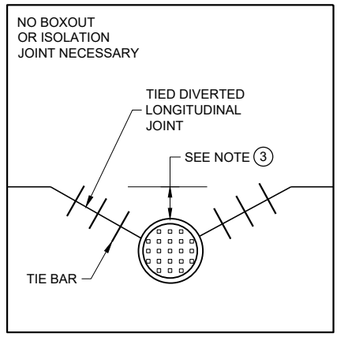
MANHOLE WITH TRANSVERSE JOINT



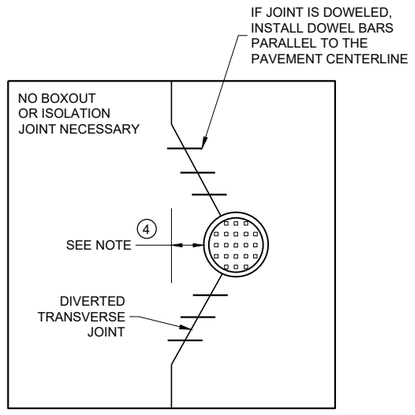
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

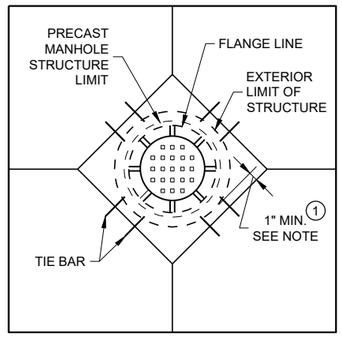
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
4. IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
5. ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

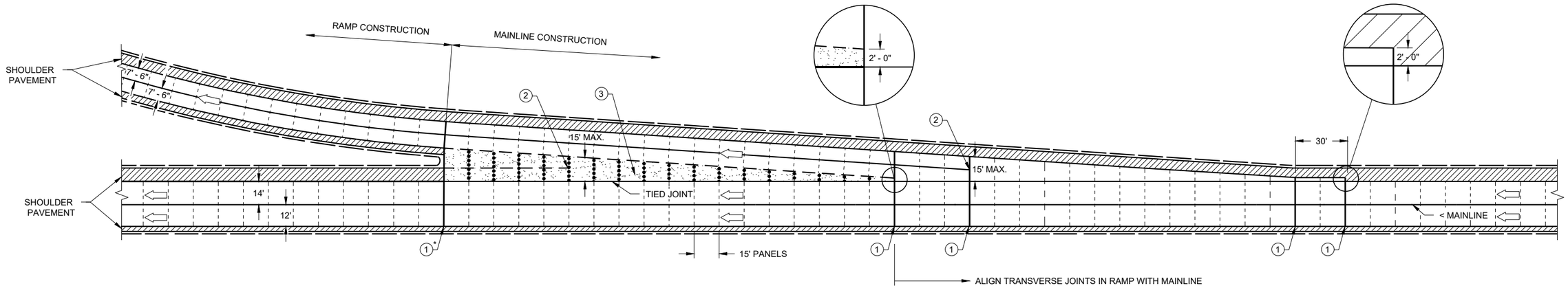
APPROVED
May 2023
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

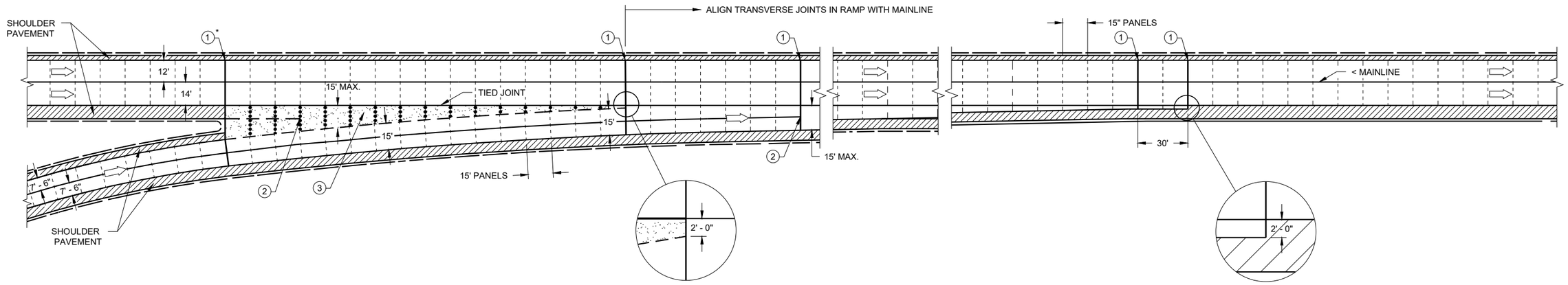
FHWA

6

SDD13C18 - 08d



DECELERATION LANE



ACCELERATION LANE

GENERAL NOTES

PAVEMENT AND BASE THICKNESS, PANEL LENGTHS, JOINTS AND REINFORCEMENT FOR THE DECELERATION AND ACCELERATION LANES, INCLUDING TAPERS, SHALL BE THE SAME AS THE MAINLINE, EXCEPT WHERE OTHERWISE NOTED.

ALL REINFORCEMENT BARS SHALL BE EPOXY COATED CONFORMING TO SUBSECTION 505.2.6 OF THE STANDARD SPECIFICATIONS.

LANE AND SHOULDER WIDTHS MAY VARY FROM SHOWN. SEE CONSTRUCTION PLANS FOR ACTUAL PROPOSED WIDTHS.

(1) CRITICAL TRANSVERSE JOINT LOCATIONS AT PAVEMENT WIDTH CHANGES. ((1)* IS NOT A CRITICAL TRANSVERSE JOINT WHEN ASPHALTIC GORE IS INSTALLED).

(2) STOP LONGITUDINAL JOINT WITH CORE HOLE (2" TYP.) WHEN IT MEETS THE FIRST TRANSVERSE JOINT LESS THAN 15' WIDE OR STOP LONGITUDINAL JOINT WHEN IT MEETS 2' AWAY FROM THE TIED JOINT OF THE MAINLINE.

(3) DISREGARD THE JOINT DETAILS IN AND AROUND THE GORE WHEN ASPHALTIC GORE IS INSTALLED.

LEGEND

- DOWELED JOINT
- UNDOWELED JOINT
- TIED JOINT
- UNTIED JOINT
- GORE
- DIRECTION OF TRAVEL

CONCRETE PAVEMENT JOINTING ACCELERATION/ DECELERATION LANE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

FHWA

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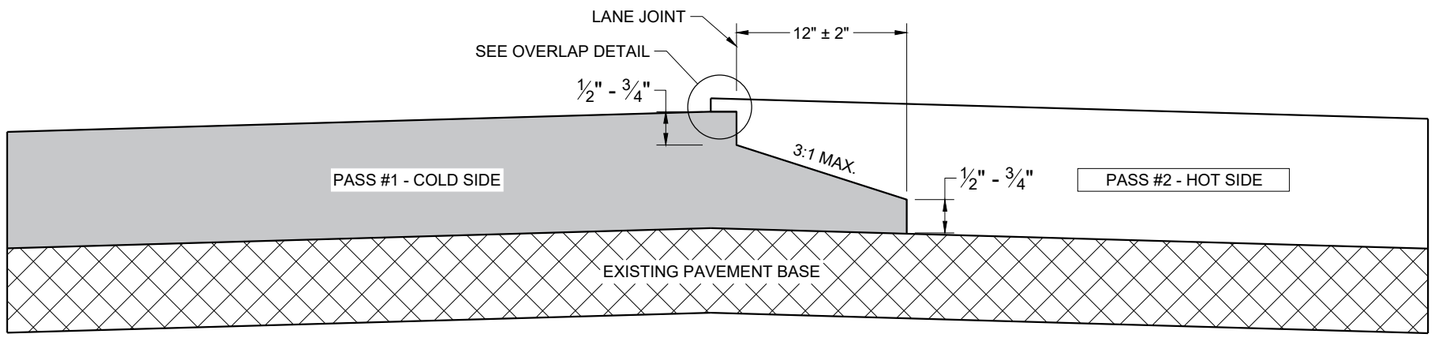
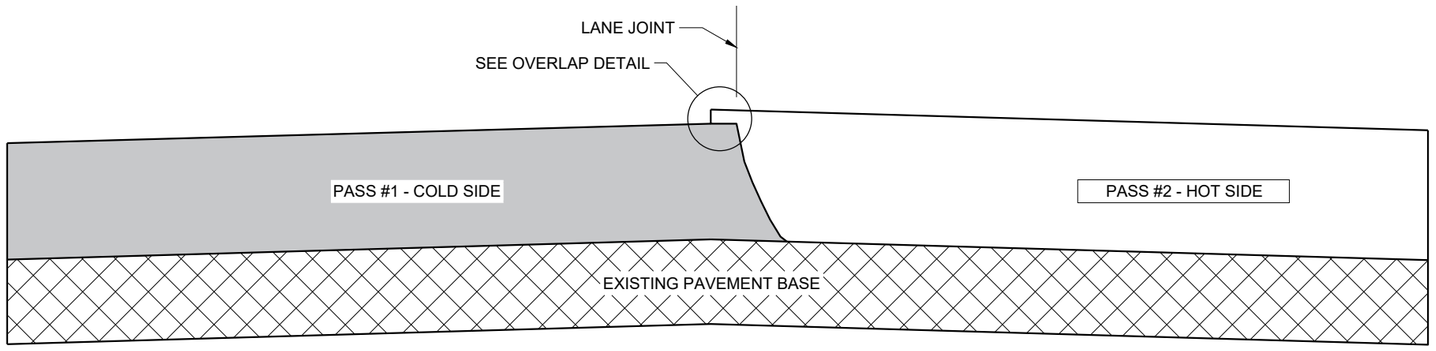
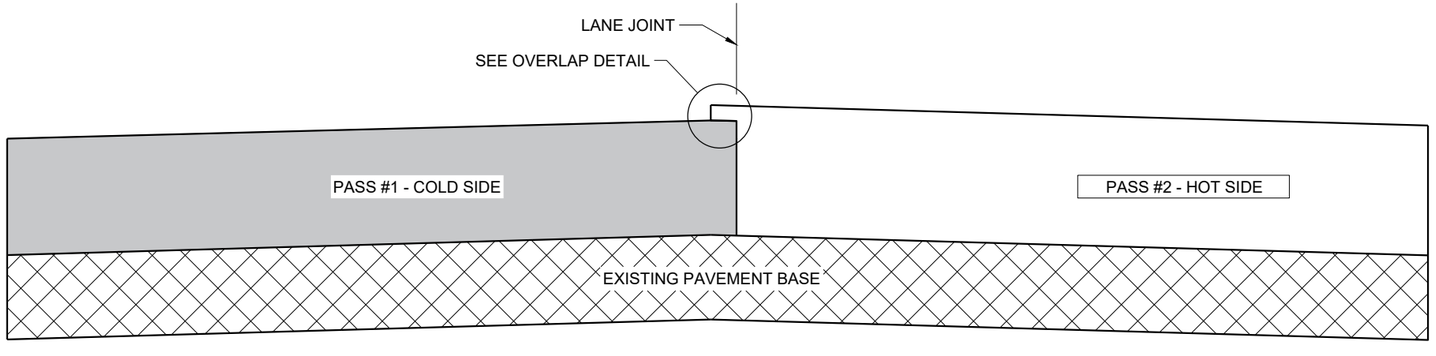


TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

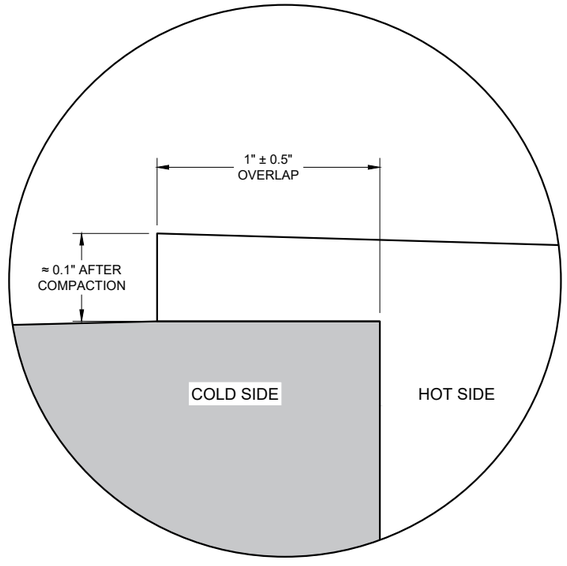
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

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

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

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

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



OVERLAP DETAIL (TYPICAL)

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SDD 13C19 - 03

SDD 13C19 - 03

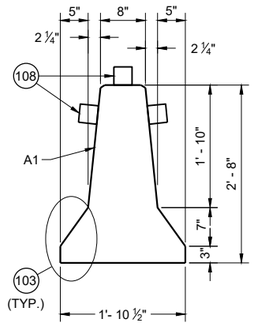
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

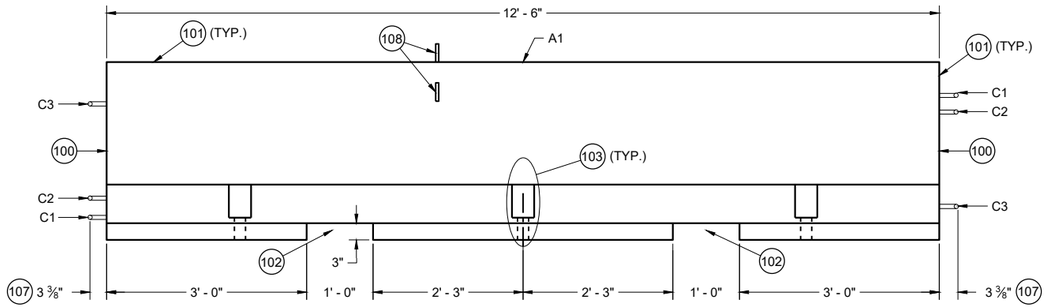
APPROVED
November 2020
DATE

/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA



CROSS SECTION



PROFILE VIEW

GENERAL NOTES

PLACE BARRIER ON PAVED SURFACE. BEFORE PLACEMENT OF TEMPORARY BARRIER, REMOVE ALL LOOSE MATERIAL FROM PAVED SURFACE.

LOOP BARS C1, C2 AND C3 ARE NOT FOR PLACEMENT OR MOVEMENT OF BARRIER.

(100) PERMANENTLY FORM INTO ONE END OF BARRIER THE FOLLOWING INFORMATION:
- A. TYPE OF BARRIER: WI-CBTP
- B. MANUFACTURER
- C. DATE OF MANUFACTURE (MONTH AND YEAR)

(101) 1" OPTIONAL CHAMFER

(102) SEE LIFTING SLOT DETAIL

(103) SEE ANCHOR BLOCK DETAIL

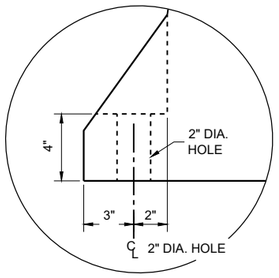
(104) 1 ¾" MIN. CLEAR COVER

(105) 2" MIN. CLEAR COVER

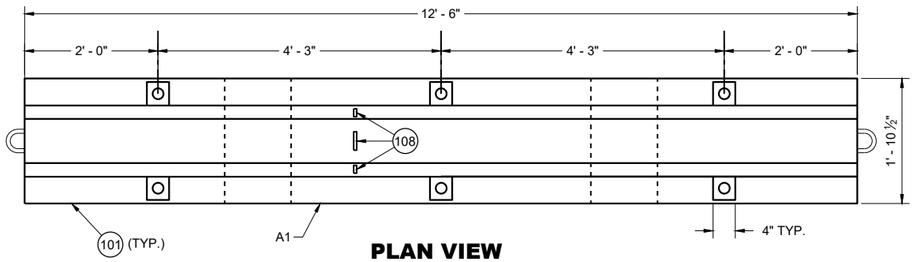
(106) 1" MIN. CLEAR COVER

(107) ± ⅛" MEASURED FROM FACE OF CONCRETE BARRIER TO OUTSIDE OF LOOP BAR (TYP.)

(108) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURERS INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED LEFT OF TRAFFIC AND WHITE WHEN BARRIER IS LOCATED RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART, PROVIDE TOP MOUNTED DELINEATORS IN ADDITION TO SIDE MOUNTED DELINEATORS ON BARRIER INSTALLATIONS LOCATED ON A CURVED ALIGNMENT LONGER THAT 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.

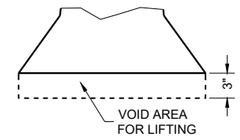


ANCHOR BLOCK DETAIL

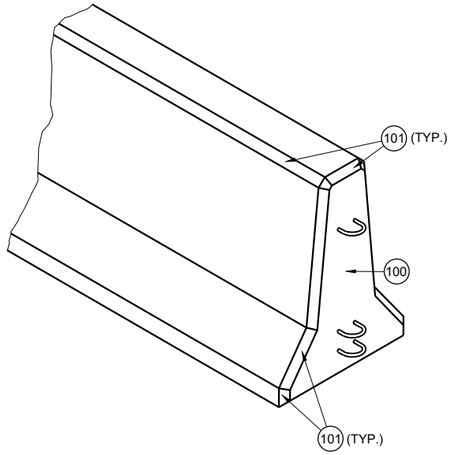


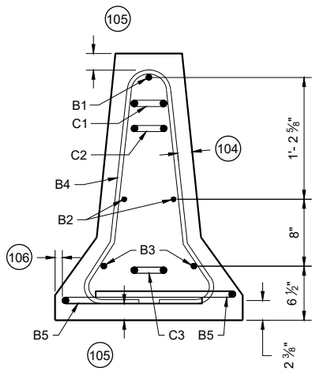
PLAN VIEW

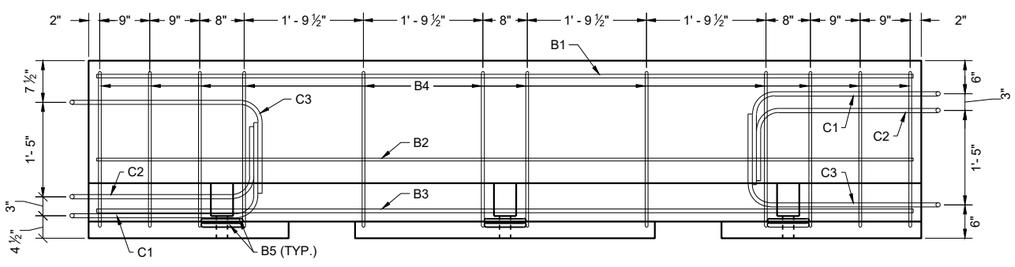
TEMPORARY BARRIER



LIFTING SLOT DETAIL (TYP.)







PROFILE VIEW

TEMPORARY BARRIER REINFORCEMENT

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

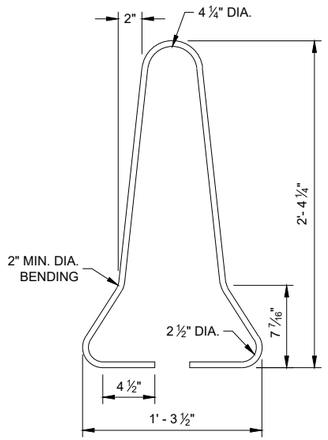
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

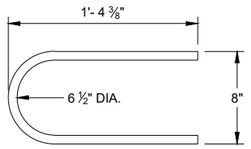
SDD 14B07-16a

6

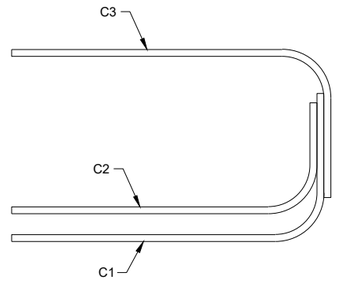
SDD 14B07-16a



B4 BAR DETAIL

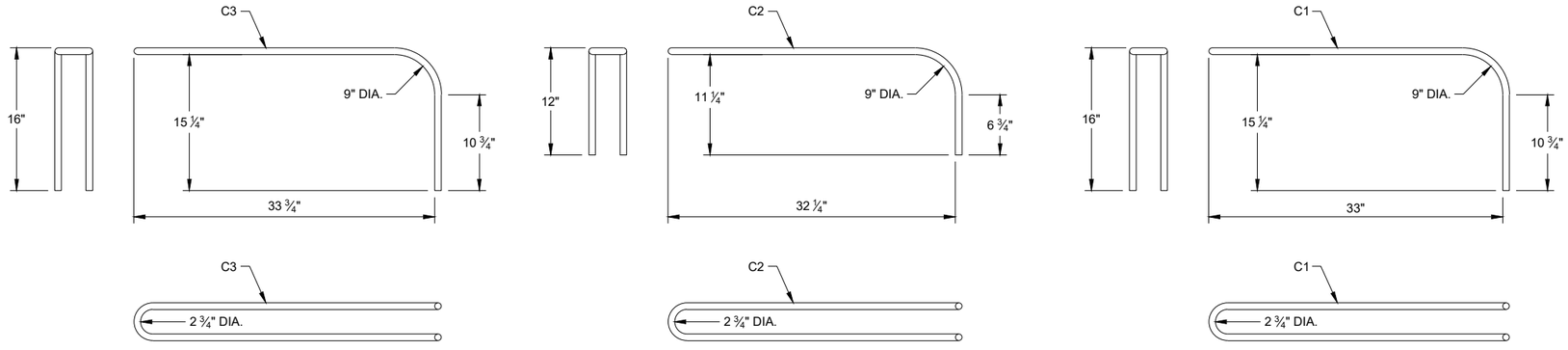


B5 BAR DETAIL



PROFILE VIEW

LOOP BAR ASSEMBLY



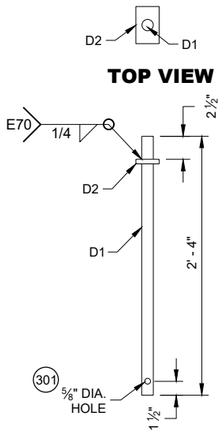
C BAR DETAILS

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

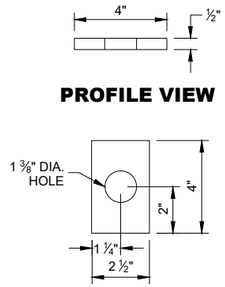
SDD 14B07-16b



TOP VIEW

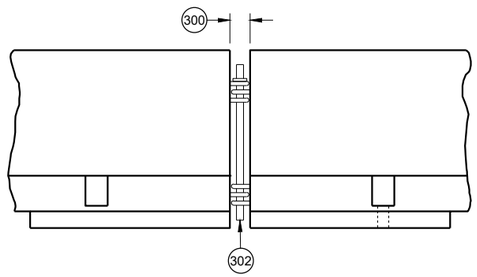
PROFILE VIEW

CONNECTOR PIN ASSEMBLY



PROFILE VIEW

TOP VIEW D2



CONNECTING TEMPORARY BARRIER SECTIONS

GENERAL NOTES

300 SET WITH 3 ⅝" WOOD BLOCK.

301 HOLE IS OPTIONAL.

302 CONNECTOR PIN ASSEMBLY.

303 CONCRETE PAVEMENT, APPROACH SLAB, OR DECK.

304 CONCRETE DECK.

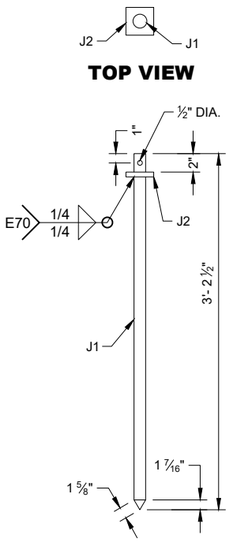
305 DO NOT USE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY OR CONCRETE PAVEMENT WITH ASPHALT OVERLAY.

306 MINIMUM OF 2" OF ASPHALT.

307 ASPHALT ANCHOR PIN ASSEMBLY

308 IF DRILLING A PILOT HOLE, THE MAX, DIA. OF THE HOLE IS 3/4"

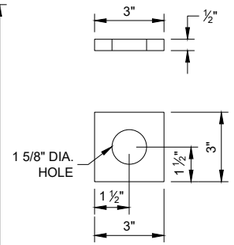
309 WHEN THERE IS ASPHALT OVERLAYING CONCRETE PAVEMENT, A 1 5/8" DIA. PILOT HOLE CAN BE DRILLED INTO THE OVERLAY AND CONCRETE. IF NEEDED DRILL A 3/4" PILOT HOLE IN BASE COURSE.



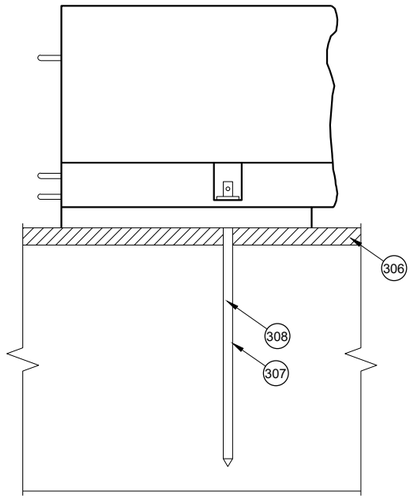
TOP VIEW

PROFILE VIEW

ASPHALT ANCHOR PIN ASSEMBLY

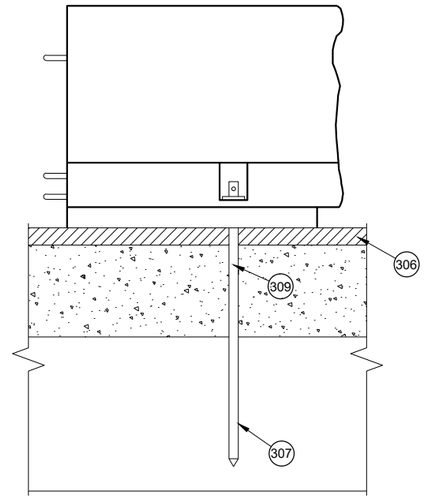


TOP VIEW J2



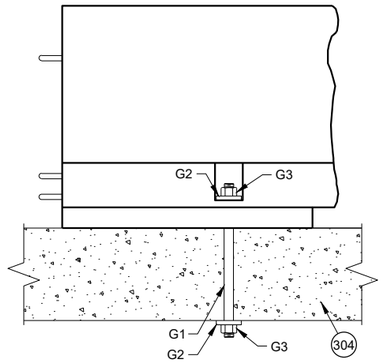
SIDE VIEW

ASPHALT ANCHOR INSTALLATION THROUGH ASPHALT PAVEMENT



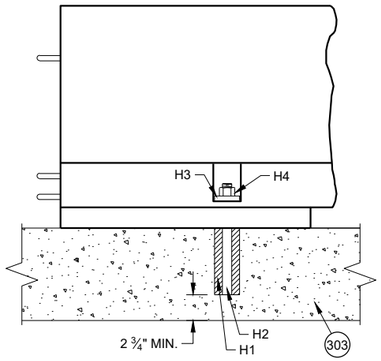
SIDE VIEW

ASPHALT ANCHOR INSTALLATION THROUGH ASPHALT OVERLAY ON TOP OF CONCRETE PAVEMENT



SIDE VIEW

THROUGH BOLT ANCHOR INSTALLATION (305)



SIDE VIEW

ADHESIVE ANCHOR INSTALLATION (305)

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

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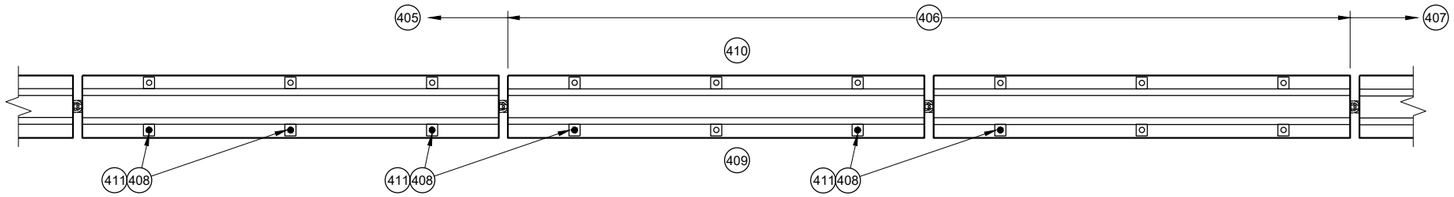
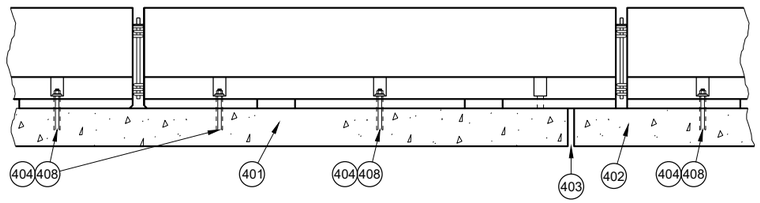
SDD 14B07-16c



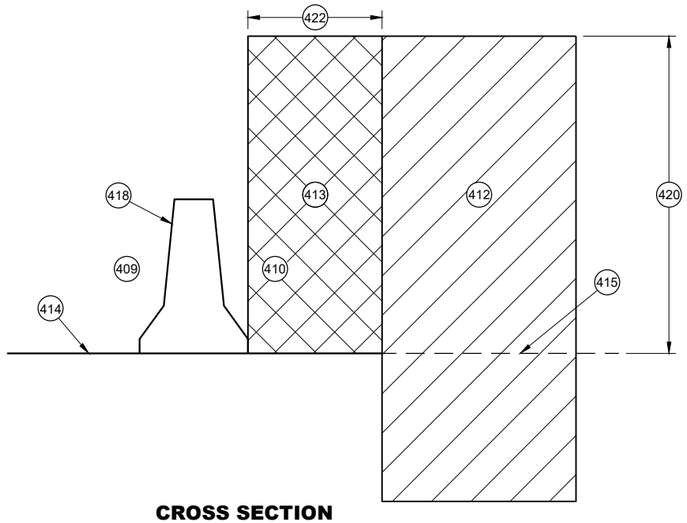
PLAN VIEW

TRANSITION FROM FREE STANDING TO ANCHORED BARRIER



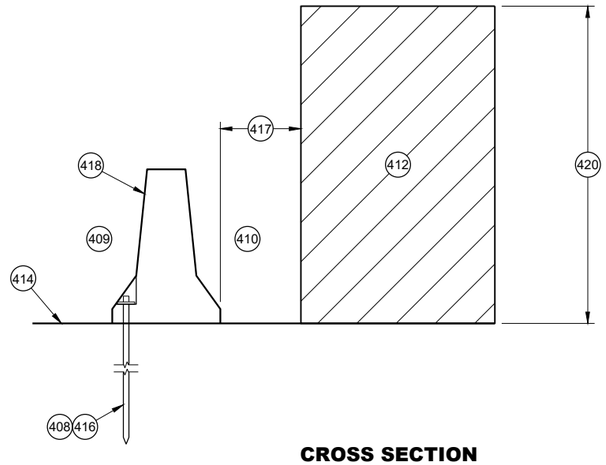
PROFILE VIEW

ANCHORED BARRIER NEAR EXPANSION JOINT (400)



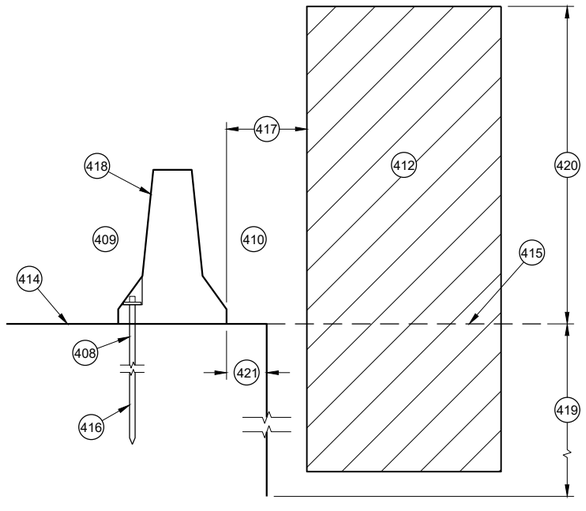
CROSS SECTION

FREE STANDING BARRIER



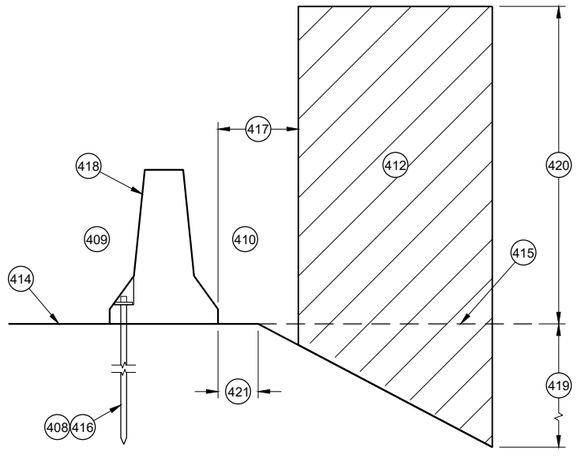
CROSS SECTION

ANCHORED BARRIER FOR OBJECTS ABOVE THE GRADE LINE AND NEAR THE BARRIER



CROSS SECTION

ANCHORED BARRIER NEAR VERTICAL DROP OFF



CROSS SECTION

ANCHORED BARRIER NEAR A SLOPE

GENERAL NOTES

(400) NO SINGLE CONCRETE BARRIER SECTION SHALL BE ANCHORED TO BOTH THE BRIDGE DECK AND THE APPROACH SLAB. ALL ANCHOR BOLT LOCATIONS SHALL BE ANCHORED TO THE DECK IN ACCORDANCE WITH THE DETAIL. NO MORE THAN ONE ANCHOR BOLT SHALL BE ELIMINATED FROM A BARRIER SECTION WHEN SPANNING AN EXPANSION JOINT.

(401) CONCRETE DECK

(402) CONCRETE DECK OR APPROACH SLAB.

(403) EXPANSION JOINT

(404) ADHESIVE ANCHOR SHOWN. SEE ANCHOR DETAILS.

(405) ANCHORED TEMPORARY BARRIER

(406) TRANSITION FROM ANCHORED TEMPORARY BARRIER TO FREE STANDING

(407) FREE STANDING BARRIER

(408) REMOVE ALL ANCHORS WHEN NO LONGER NEEDED. FILL CONCRETE PAVEMENTS, DECKS AND APPROACH SLABS WITH NON-SHRINK COMMERCIAL GROUT FROM THE APPROVED PRODUCT LIST. FILL ASPHALT PAVEMENTS WITH ASTM D6690 TYPE II RUBBERIZED CRACK FILLER.

(409) TRAFFIC SIDE

(410) NON-TRAFFIC SIDE

(411) ANCHOR LOCATION. SEE ANCHORING DETAILS.

(412) WORK AREA

(413) AREA FREE OF OBJECTS AND WORKERS

(414) GRADE LINE

(415) EXTENDED GRADE LINE

(416) ANCHORED TEMPORARY BARRIER. SEE BOLT THROUGH DECK, REMOVABLE ADHESIVE ANCHOR, OR AN ASPHALT ANCHOR ROD DETAILS FOR MORE INFORMATION. ASPHALT ANCHOR ROD SHOWN.

(417) WHEN OBJECTS EXTEND ABOVE THE GRADE. A MINIMUM OF 1 FOOT IS REQUIRED FROM BACK OF BARRIER TO OBJECT.

(418) OBJECTS ARE NOT TO BE PLACED ON, MOUNTED TO, OR ALLOWED TO LEAN AGAINST THE BARRIER WITHOUT WRITTEN PERMISSION OF THE PROJECT ENGINEER.

(419) DEPTHS OF 3 FEET OR MORE.

(420) Y = 6.5'

(421) OFFSET FROM BACK OF BARRIER EDGE:

CONCRETE PAVEMENT	0.5'
ASPHALT	0.5'

(422) POSTED SPEED (MPH):

45 OR GREATER	4.0'
40 OR LOWER	2.0'

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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GENERAL NOTES

(500) EXISTING RIGID BARRIERS (VARIES)

(501) TEMPORARY BARRIER

(502) SEE OTHER DETAIL ON HOW TO ANCHOR TEMPORARY BARRIER (BARRIER ASPHALT ANCHOR SHOWN).

(503) ANCHORS ARE REQUIRED ON BOTH SIDE OF THE TEMPORARY BARRIER.

(504) NESTED RAILS ARE REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER FOR ALL INSTALLATIONS.

(505) TRAFFIC TRAVELS FROM PERMANENT BARRIER TO TEMPORARY BARRIER.

(506) TRAFFIC TRAVELS FROM TEMPORARY BARRIER TO PERMANENT BARRIER.

(507) VERTICAL BARRIER

(508) SAFETY SHAPE BARRIER

(509) SINGLE SLOPE BARRIER

(510) CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF RIGID BARRIER.

(511) BENT THRIE BEAM TO FIT.

(512) THRIE BEAM PIECES ARE OFFSET 15 ¼" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.

(513) TWO (2) P1, P2 AND P3 ARE REQUIRED

(514) FIVE (5) N1, N2 AND N3 ARE REQUIRED

(515) TWO (2) R1, R2 AND R3 ARE REQUIRED

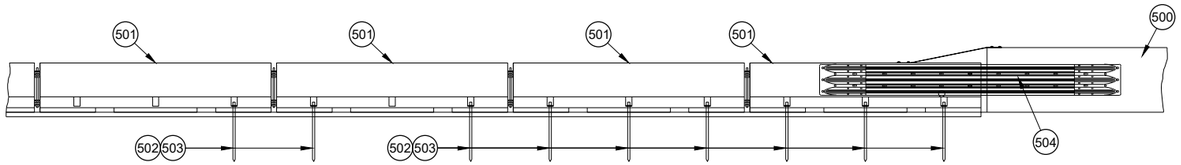
(516) CUT WOOD BLOCK TO FIT.

(517) SEE THRIE BEAM RAIL TERMINAL CONNECTOR DETAIL ASSEMBLY.

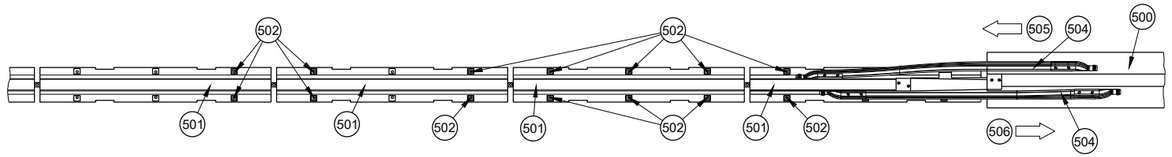
(518) CAP ASSEMBLY

(519) 4" MAX. GAP BETWEEN TEMPORARY BARRIER AND RIGID BARRIER.

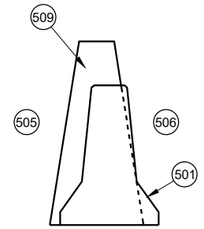
(520) ALL TWELVE SPLICE HOLES REQUIRE M1 AND M2



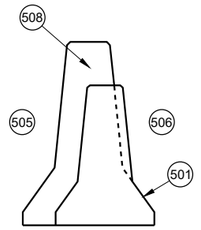
PROFILE VIEW



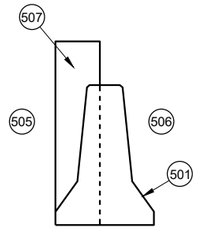
PLAN VIEW
TRANSITION TO RIGID BARRIER



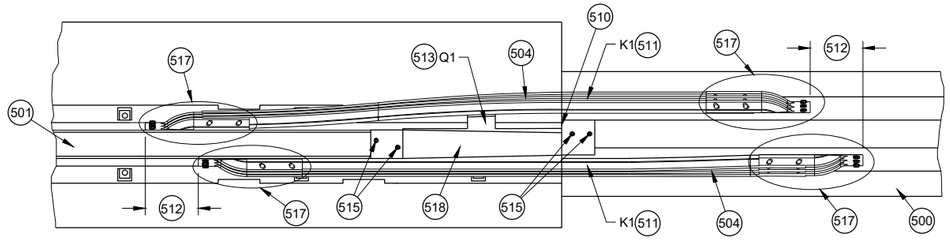
CROSS SECTION TEMPORARY BARRIER PLACEMENT SINGLE SLOPE



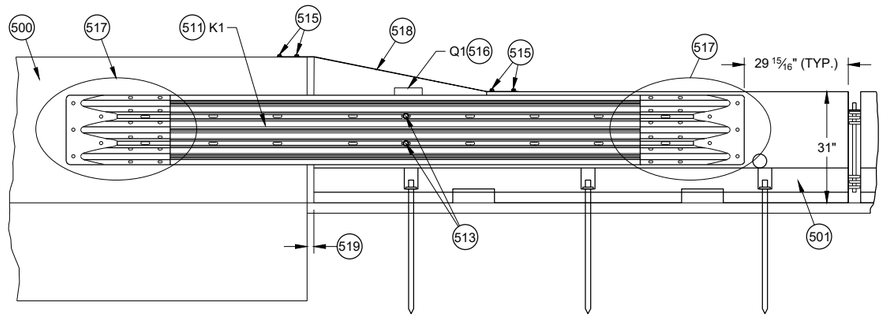
CROSS SECTION TEMPORARY BARRIER PLACEMENT SAFETY SHAPE



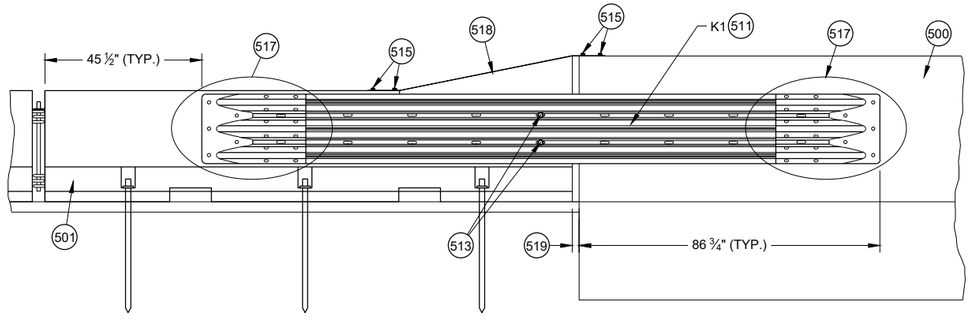
CROSS SECTION TEMPORARY BARRIER PLACEMENT VERTICAL



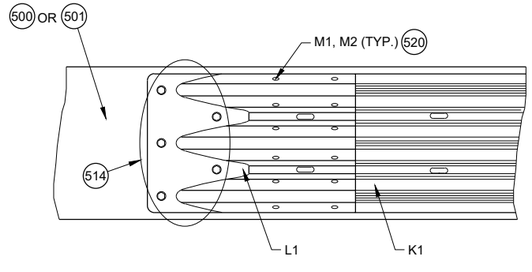
PLAN DETAIL VIEW
TRANSITION TO RIGID BARRIER



BACK DETAIL VIEW
TRANSITION TO RIGID BARRIER



FRONT DETAIL VIEW
TRANSITION TO RIGID BARRIER



(517) **DETAIL PLAN VIEW**
THRIE BEAM RAIL TERMINAL CONNECTOR ASSEMBLY

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

6

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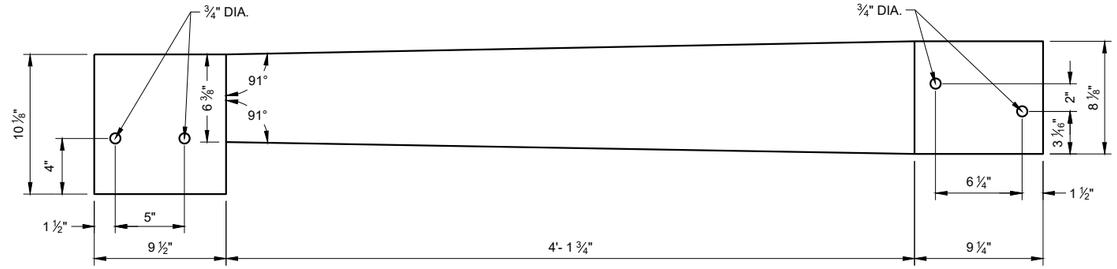
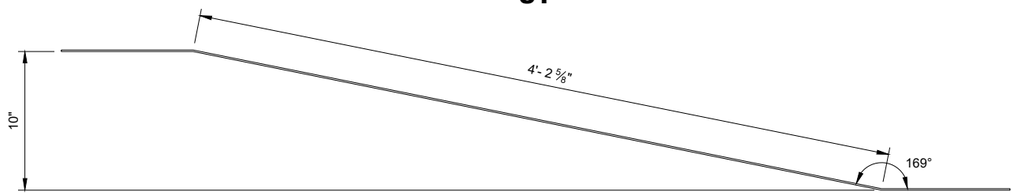


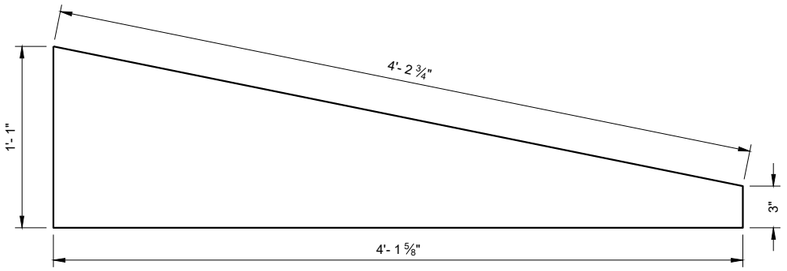
TOP VIEW

S1



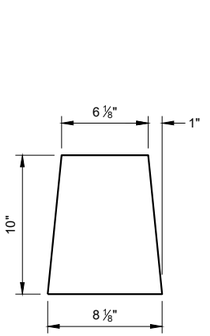
ELEVATION VIEW

S1



SIDE VIEW

S3



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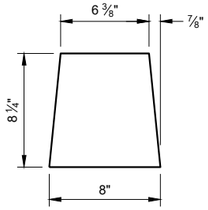
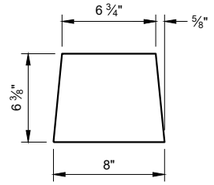
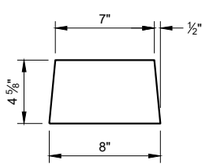


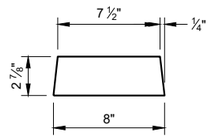
S4



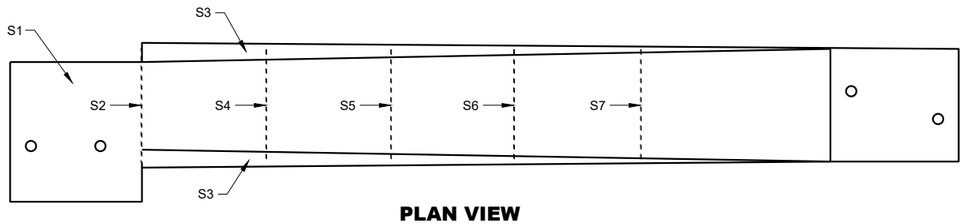
S5



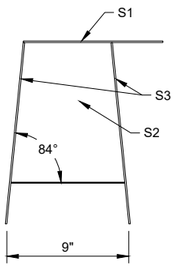
S6



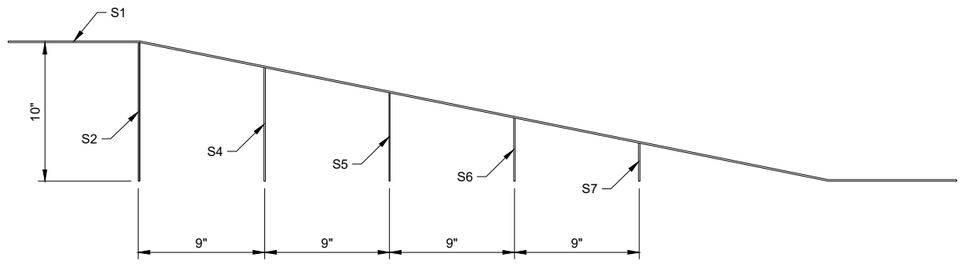
S7



PLAN VIEW



BACK VIEW



SIDE VIEW (600)

42" TOP CAP ASSEMBLY

GENERAL NOTES

STITCH WELD GUSSET PLATES AND END PLATES ON THREE SIDES

STITCH WELD TWO SIDE PLATES TO TOP PLATE, END PLATE AND GUSSETS.

(600) SIDE PLATES (S3) NOT SHOWN FOR CLARITY.

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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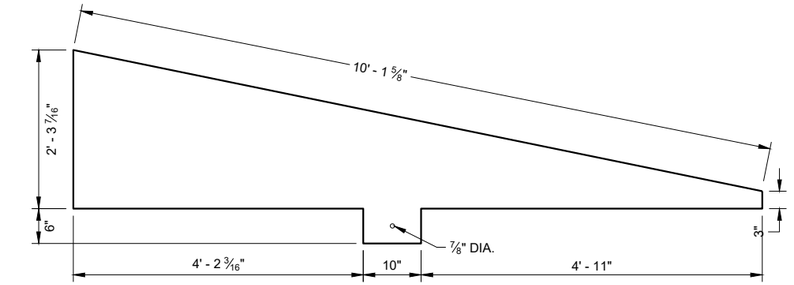
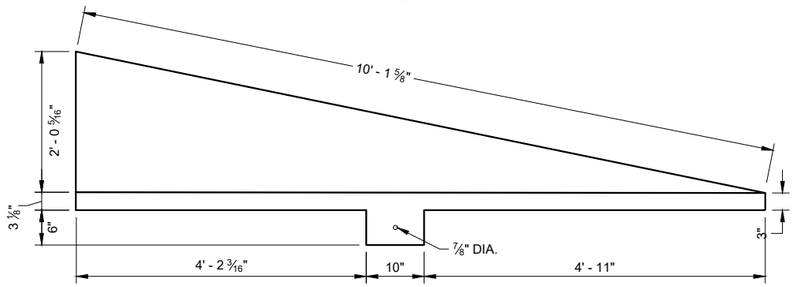


SIDE VIEW
T4

END VIEW



SIDE VIEW
T3

END VIEW

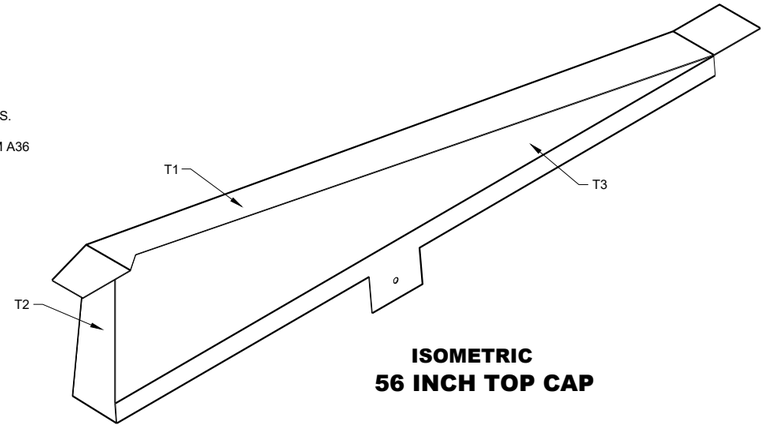
GENERAL NOTES

STITCH WELD GUSSET PLATES AND END PLATES ON THRIE SIDES

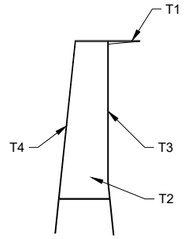
STITCH WELD TWO SIDE PLATES TO TOP PLATE, END PLATE AND GUSSETS.

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 GALVANIZED STEEL.

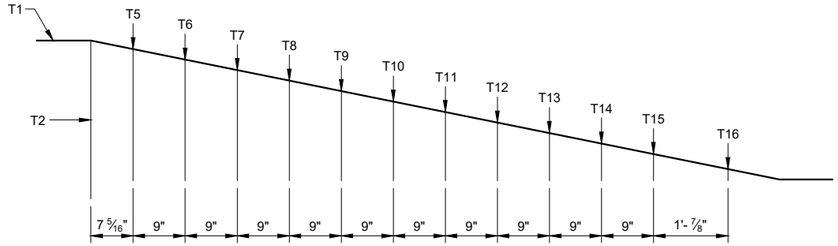
(700) SIDE PLATES (T3 AND T4) NOT SHOWN FOR CLARITY.



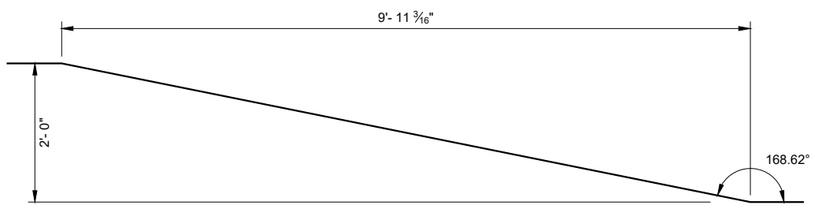
ISOMETRIC
56 INCH TOP CAP



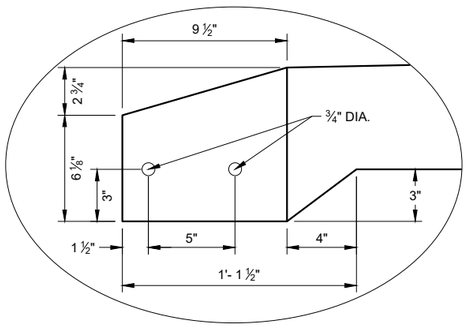
END VIEW
56 INCH TOP CAP



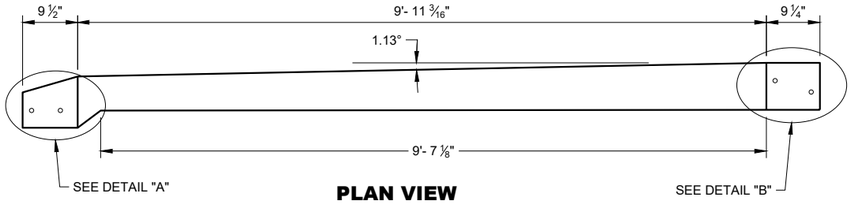
SIDE VIEW (700)
56 INCH TOP CAP



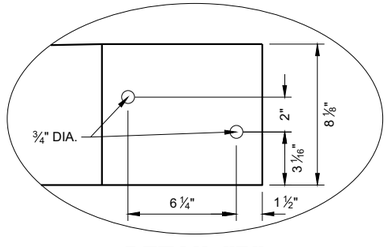
SIDE VIEW
TOP PLATE T1



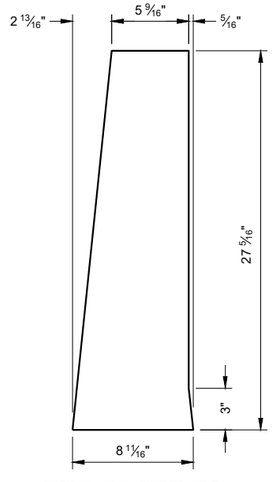
DETAIL "A"



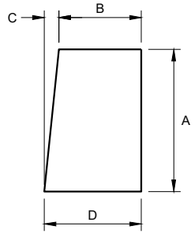
PLAN VIEW
TOP PLATE T1



DETAIL "B"



END PLATE T2



GUSSET PLATES
T5 - T16

GUSSET DIMENSIONS				
GUSSET NO.	A	B	C	D
T5	22 13/16"	5 1/16"	2 5/16"	8 1/16"
T6	21"	5 7/8"	2 3/16"	8 1/16"
T7	19 3/16"	6 1/16"	1 15/16"	8 1/16"
T8	17 3/8"	6 1/4"	1 13/16"	8 1/16"
T9	15 5/16"	6 7/16"	1 9/16"	8 1/16"
T10	13 3/4"	6 5/8"	1 7/16"	8 1/16"
T11	11 15/16"	6 13/16"	1 1/4"	8 1/16"
T12	10 1/8"	7"	1 1/16"	8 1/16"
T13	8 5/16"	7 3/16"	7/8"	8 1/16"
T14	6 1/2"	7 3/8"	1 1/16"	8 1/16"
T15	4 11/16"	7 9/16"	1/2"	8"
T16	2 7/8"	7 3/4"	1/4"	8"

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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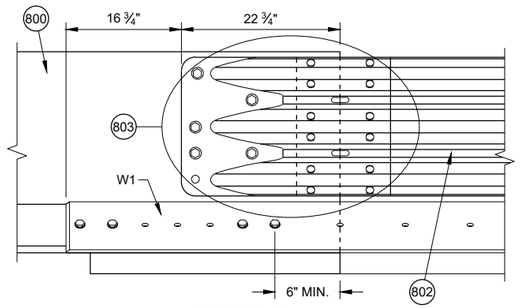
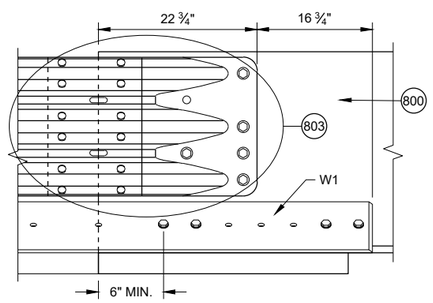
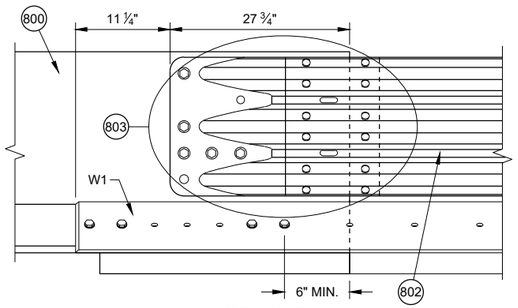
SDD 14B07-16g



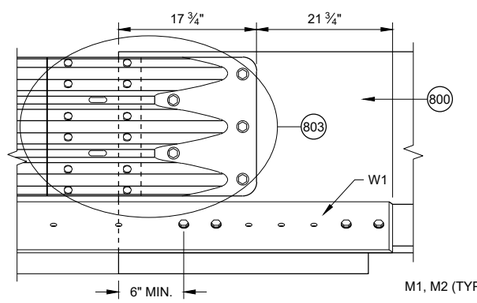
DETAIL D



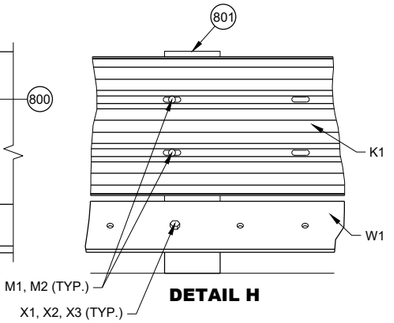
DETAIL E



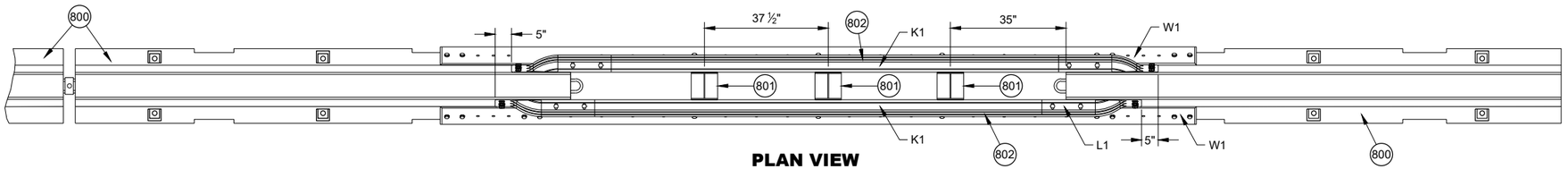
DETAIL F



DETAIL G



DETAIL H



PLAN VIEW

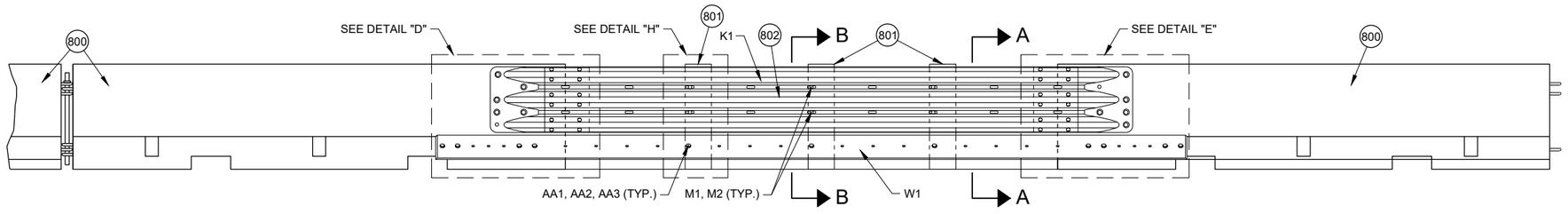
GENERAL NOTES

(800) FREE STANDING TEMPORARY BARRIER

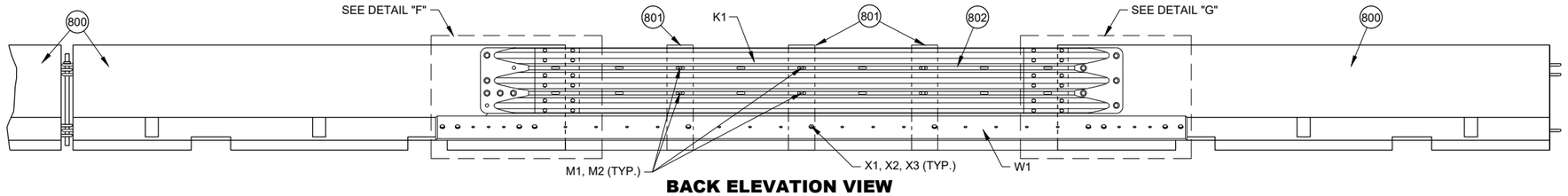
(801) GAP STIFFENER ASSEMBLY

(802) THRIE BEAMS ARE NESTED ON BOTH SIDES OF THE TEMPORARY BARRIER.

(803) SEE THRIE BEAM RAIL TERMINAL CONNECTOR DETAIL



FRONT ELEVATION VIEW



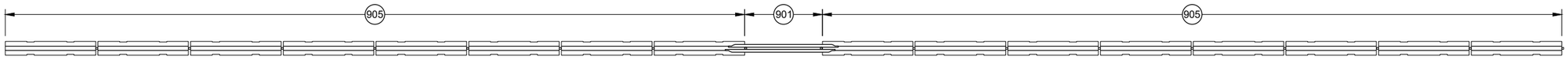
BACK ELEVATION VIEW

PORTABLE CONCRETE BARRIER GAP THRIE BEAM COVER

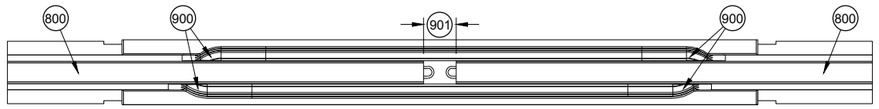
CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 14B07-16h



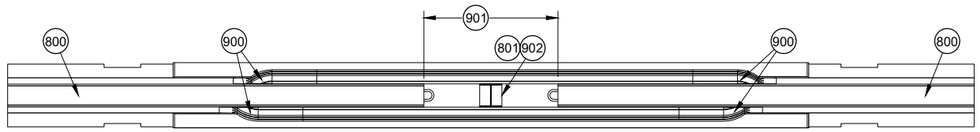
PLAN VIEW
GAP WITHIN SPACING



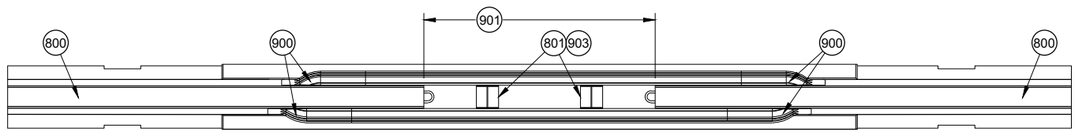
PLAN VIEW
TEMPORARY BARRIER GAP OVER 4" TO 1' MAX. (904)

GENERAL NOTES

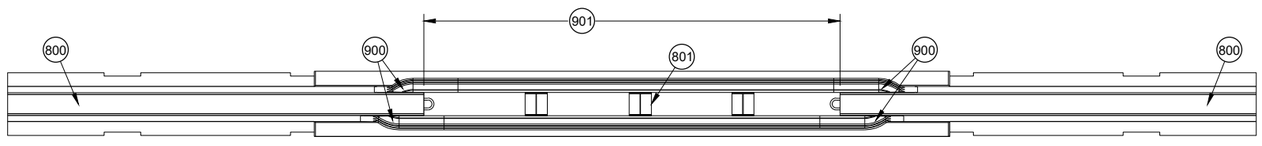
(900) SEE OTHER DETAILS FOR TEMPORARY GAP HARDWARE (TYP.)
(901) TEMPORARY BARRIER GAP
(902) GAP STIFFENER ASSEMBLY CENTERED IN THE GAP.
(903) GAP STIFFENER ASSEMBLY IS OFFSET 18 ¾" FROM CENTER
(904) MINIMUM NUMBER OF GAP STIFFENERS SHOWN FOR THE GAP RANGE SHOWN.
(905) MINIMUM OF 8 CONTINUOUS FREE STANDING TEMPORARY BARRIERS



PLAN VIEW
TEMPORARY BARRIER GAP OVER 1' TO 4' MAX. (904)



PLAN VIEW
TEMPORARY BARRIER GAP OVER 4' TO 7' MAX. (904)

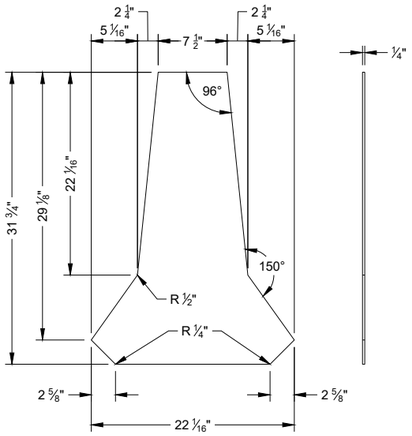


PLAN VIEW
TEMPORARY BARRIER GAP OVER 7' TO 12.5' MAX. (904)

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

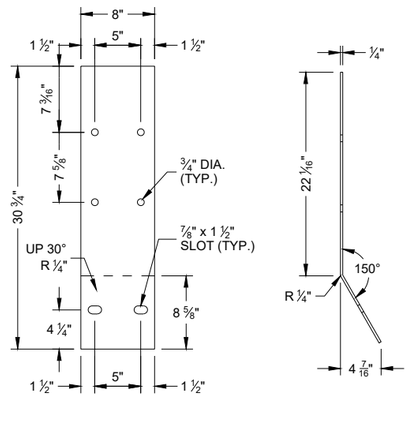
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 14B07-16i



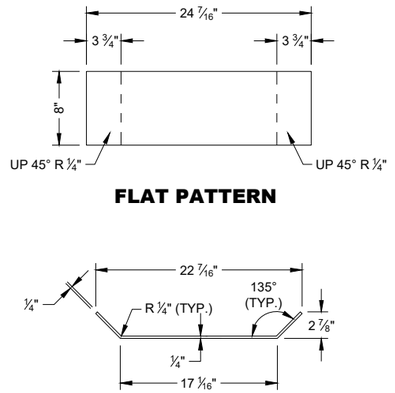
PROFILE VIEW SIDE VIEW

STIFFENER ASSEMBLY CENTER PANEL U1



FLAT PATTERN SIDE VIEW

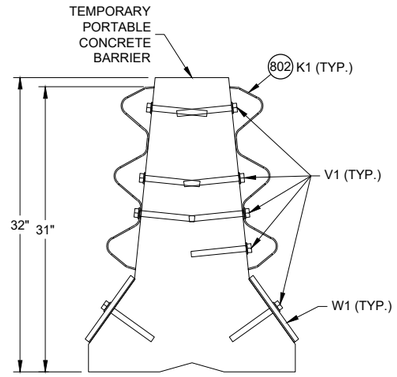
STIFFENER ASSEMBLY SIDE PANEL U2



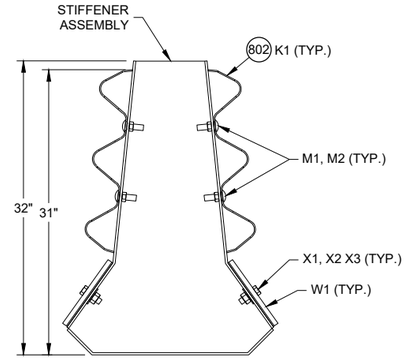
FLAT PATTERN

PROFILE VIEW

STIFFENER ASSEMBLY BOTTOM PANEL U3

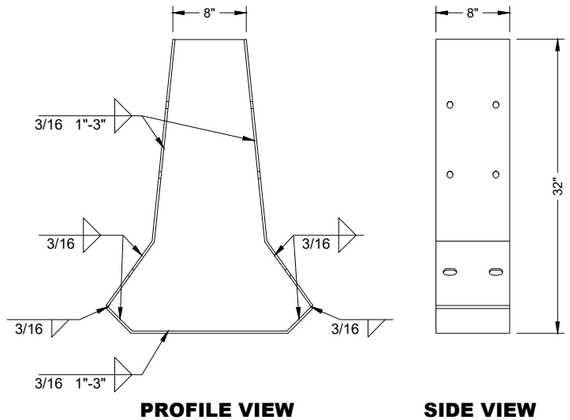


SECTION A - A



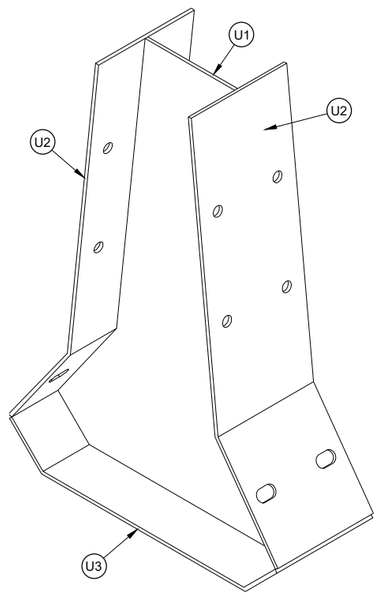
SECTION B - B

PLAN VIEW



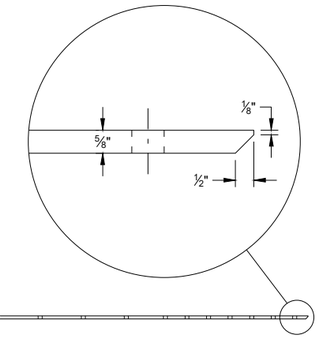
PROFILE VIEW

SIDE VIEW

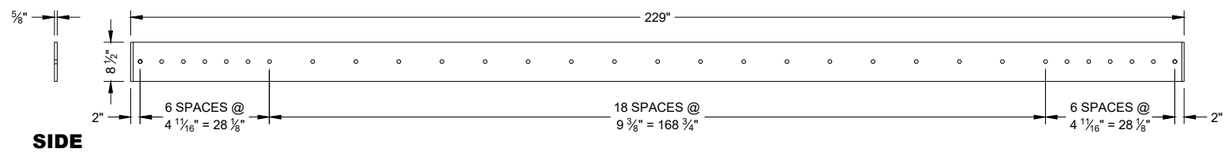


ISOMETRIC

GAP STIFFENER ASSEMBLY



PLAN VIEW

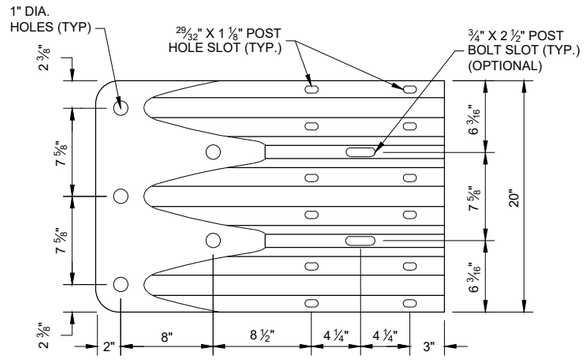


SIDE VIEW

ELEVATION VIEW

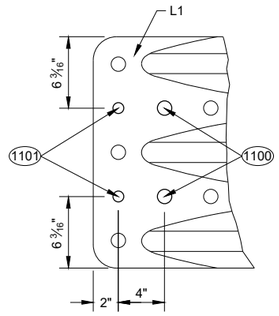
W1 TOE PLATE

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"



ELEVATION VIEW

THRIE BEAM TERMINAL CONNECTOR



ELEVATION VIEW

ADDITIONAL THRIE BEAM (1102) TERMINAL CONNECTOR HOLE DETAIL

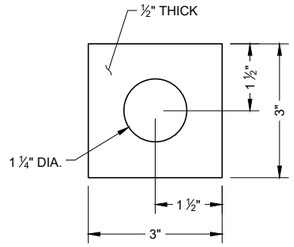


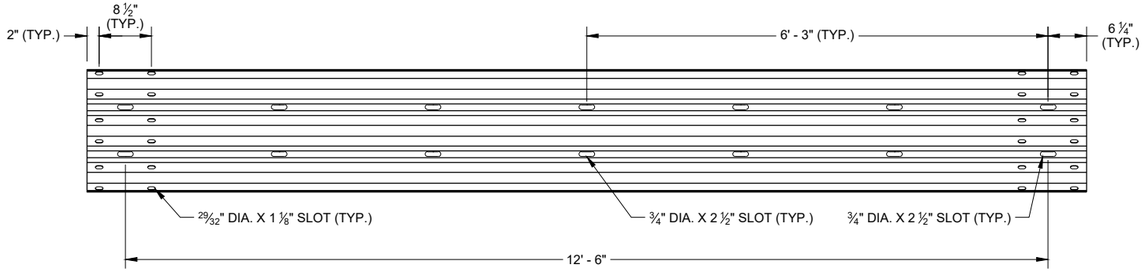
PLATE WASHER DETAIL G2, H3

GENERAL NOTES

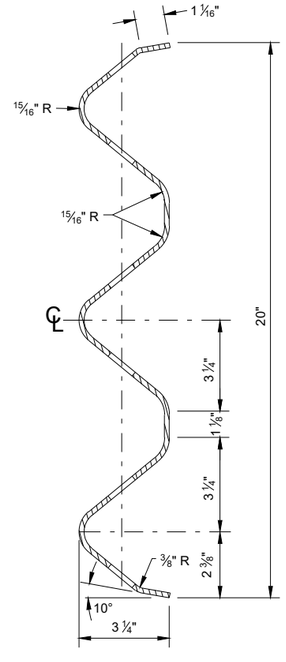
(1100) 1" DIA. HOLE

(1101) 3/4" DIA. HOLE

(1102) PROVIDE HOLES IN THRIE BEAM TERMINAL CONNECTOR TO LIMIT STEEL REINFORCEMENT OR LOOP BAR CONFLICT. CONTRACTOR MAY FIELD DRILL ADDITIONAL HOLE OR PROVIDE THRIE BEAM TERMINAL CONNECTOR WITH ADDITIONAL HOLES FROM SUPPLIER.



SLOTTED THRIE BEAM RAIL K1



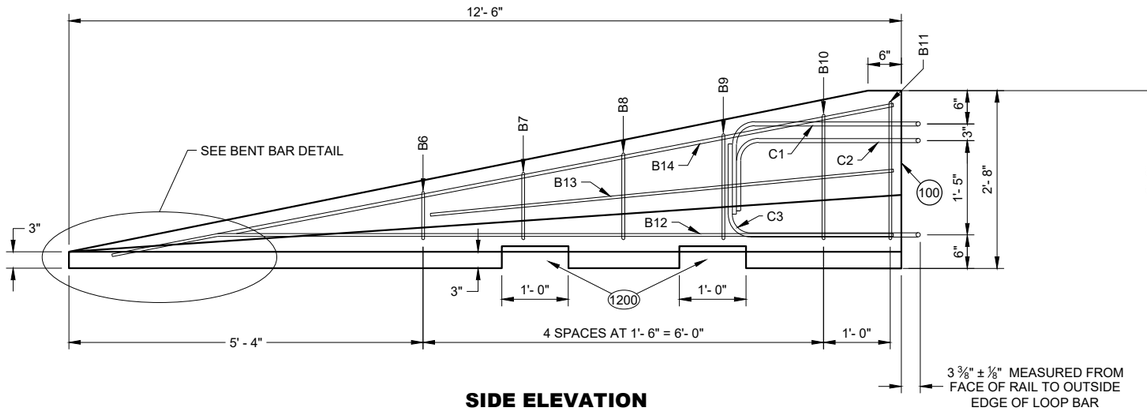
SECTION THROUGH BEAM K1

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

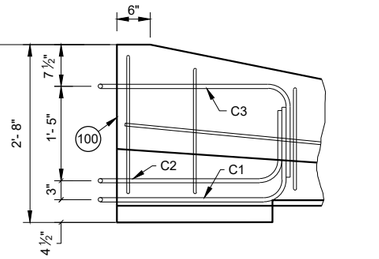
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B07-16k



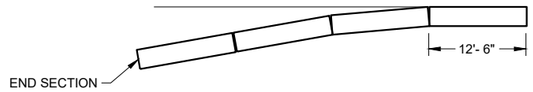
SIDE ELEVATION
(FOR CONNECTION TO LEFT END OF BARRIER)



SIDE ELEVATION
LOOP BAR ASSEMBLY INVERTED FOR OPPOSITE END
(FOR CONNECTION TO RIGHT END OF BARRIER)

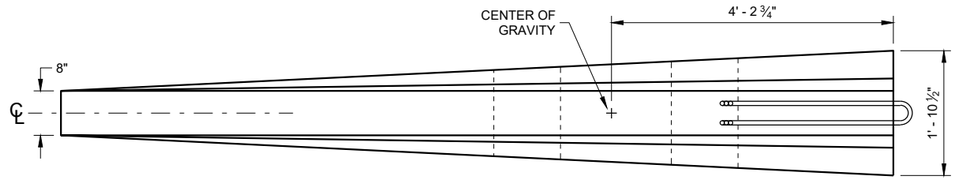
GENERAL NOTES

(1200) SEE LIFTING SLOT DETAIL. LOCATION OF LIFTING SLOTS DETERMINED BY CONTRACTOR.

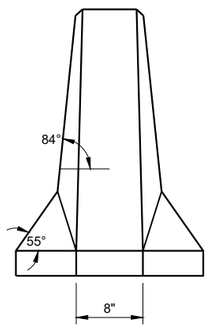


FLARE AT BARRIER END

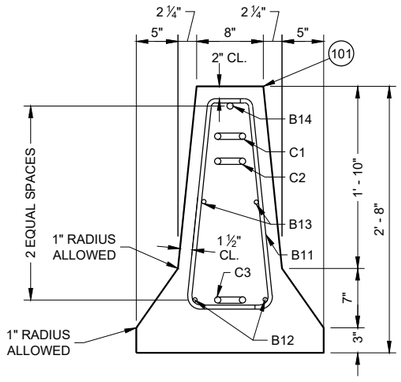
POSTED SPEED, (MPH)	FLARE RATE
40 OR LESS	6:1
45 OR GREATER	8:1



PLAN VIEW

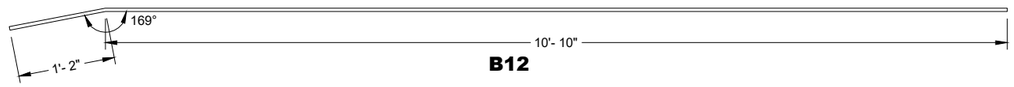


FRONT ELEVATION

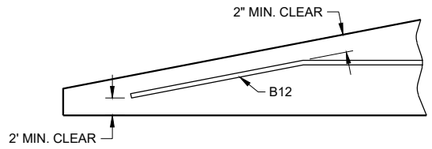


END SECTION

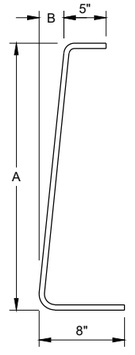
DETAILS OF BARRIER TAPER SECTION



B12



BENT BAR DETAIL



BAR	A	B
B6	10"	1"
B7	1'- 1"	1 ¼"
B8	1'- 5"	1 ⅝"
B9	1'- 8"	1 ⅞"
B10	2'- 0 ½"	2 ⅜"
B11	2'- 3"	2 ¾"

B BARS
2 OF EACH SIZE REQUIRED FOR STIRRUP ASSEMBLY

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

BILL OF MATERIALS - CONCRETE BARRIER PRECAST

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
A1	PRECAST TEMPORARY BARRIER - CONCRETE	MIN. = f'c 5000 PSI	
B1	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#5 REBAR, LENGTH 12'-2"
B2	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 12'-2"
B3	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#5 REBAR, LENGTH 12'-2"
B4	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 6'-0"
B5	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#6 REBAR, LENGTH 2'-11"
B6	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 1'-11"
B7	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 2'-2"
B8	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 2'-6"
B9	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 2'-9"
B10	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 3'-2"
B11	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 3'-4"
B12	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 12'-0"
B13	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 7'-9"
B14	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#5 REBAR, LENGTH 11'-9"
C1	LOOP BAR	ASTM A709 GRADE 70 SMOOTH BAR OR ASTM A706 GRADE 60 REBAR UNCOATED	¾" DIA.
C2	LOOP BAR	ASTM A709 GRADE 70 SMOOTH BAR OR ASTM A706 GRADE 60 REBAR UNCOATED	¾" DIA.
C3	LOOP BAR	ASTM A709 GRADE 70 SMOOTH BAR OR ASTM A706 GRADE 60 REBAR UNCOATED	¾" DIA.
D1	CONNECTION PIN - ROD	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	1 ¼" DIA.
D2	CONNECTION PIN - TOP PLATE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
G1	BOLT THROUGH ANCHOR - THREADED ROD	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 A307 GRADE A OR SAE J429 GRADE 2 UNC	1 ⅛" DIA.
G2	BOLT THROUGH ANCHOR - WASHER, SQUARE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
G3	BOLT THROUGH ANCHOR - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
H1	ADHESIVE ANCHOR - ADHESIVE	ICC-ES-AC308 5 ¼" EMBEDMENT WITH A MIN. BOND STRENGTH OF 1,650 PSI. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	
H2	ADHESIVE ANCHOR - THREADED ROD	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 A307 GRADE A / SAE J429 GRADE 2 UNC	1 ⅛" DIA.
H3	ADHESIVE ANCHOR - WASHER, SQUARE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
H4	ADHESIVE ANCHOR - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
J1	ASPHALT ANCHOR PIN - ROD	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	1 ½" DIA.
J2	ASPHALT ANCHOR PIN - STOP PLATE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
K1	THRIE BEAM RAIL	AASHTO M180 CLASS A TYPE 2 APPROVED PRODUCER	12 GAUGE
L1	THRIE BEAM RAIL - TERMINAL	AASHTO M180 CLASS A TYPE 2 APPROVED PRODUCER	12 GAUGE

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
M1	SPLICE BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 UNC AASHTO M180 HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	⅝" DIA.
M2	SPLICE BOLT - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
N1	THRIE BEAM RAIL TERMINAL - MECHANICAL ANCHOR	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	¾" DIA. LENGTH 6"
N2	THRIE BEAM RAIL TERMINAL - WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1	
N3	THRIE BEAM RAIL TERMINAL MECHANICAL OR ADHESIVE ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 17.9 KIPS AND ULTIMATE SHEAR LOAD 21.96 KIPS. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	
P1	THRIE BEAM RAIL CONNECTION 1-BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	¾" DIA.
P2	THRIE BEAM RAIL CONNECTION 1-WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1	
P3	THRIE BEAM RAIL CONNETION 1- MECHANICAL OR ADHESIVE ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 10.48 KIPS. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	
Q1	BLOCK WOOD	SEE STANDARD SPEC. 614	
R1	CAP - BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	⅝" DIA.
R2	CAP- BOLT - WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1	
R3	CAP - BOLT - MECHANICAL ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS ULTIMATE TENSILE LOAD 12.14 KIPS AND ULTIMATE SHEAR LOAD 17.5 KIPS.SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	12 GAUGE
S1	CAP 42-INCH TOP PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S2	CAP 42-INCH END PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S3	CAP 42-INCH SIDE PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S4	CAP 42-INCH GUSSET 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S5	CAP 42-INCH GUSSET 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S6	CAP 42-INCH GUSSET 3	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S7	CAP 42-INCH GUSSET 4	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE

6

SDD 14B07-16m

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B07-16m

BILL OF MATERIALS - CONCRETE BARRIER PRECAST

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
T1	CAP 56-INCH TOP PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T2	CAP 56-INCH END PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T3	CAP 56-INCH SIDE PLATE 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T4	CAP 56-INCH SIDE PLATE 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T5	CAP 56-INCH GUSSET 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T6	CAP 56-INCH GUSSET 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T7	CAP 56-INCH GUSSET 3	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T8	CAP 42-INCH GUSSET 4	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T9	CAP 42-INCH GUSSET 5	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T10	CAP 42-INCH GUSSET 6	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T11	CAP 42-INCH GUSSET 7	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T12	CAP 42-INCH GUSSET 8	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T13	CAP 42-INCH GUSSET 9	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T14	CAP 42-INCH GUSSET 10	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T15	CAP 42-INCH GUSSET 11	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T16	CAP 42-INCH GUSSET 12	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
U1	GAP STIFFENER	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	
U2	GAP STIFFENER - CONNECTOR PLATE 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	
U3	GAP STIFFENER - CONNECTOR PLATE 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
V1	THRIE BEAM RAIL TERMINAL MECHANICAL OR ADHESIVE ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS ULTIMATE TENSILE LOAD 24.0 KIPS AND ULTIMATE SHEAR LOAD 21.5 KIPS. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	¾" DIA.
V2	GAP STIFFENER - BOLT - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C O R MECHANICAL GALVANIZE TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291/ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
W1	TOE PLATE	AASHTO M111/ASTM A123 ASTM A36 MIN STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	
X1	TOE PLATE - CONNECTION BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 UNC HEAVY HEX HEAD OR AASTHO M180 HEAD, ASTM F3125 GRADE A325 TYPE 1 HEAVY HEX HEAD OR SAE J429 GRADE 5 HEAVY HEX HEAD / ASTM A449 TYPE 1 HEAVY HEX HEAD. BOLTS MAY BE FULLY THREADED. PROVIDE ENOUGH THREADING FOR PROPER TIGHTENING OF BOLT.	¾" DIA.
X2	TOE PLATE - CONNECTION BOLT - WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1 (HARDEN WASHER ONLY)	
X3	TOE PLATE - CONNECTION BOLT - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	

6

SDD 14B07-16n

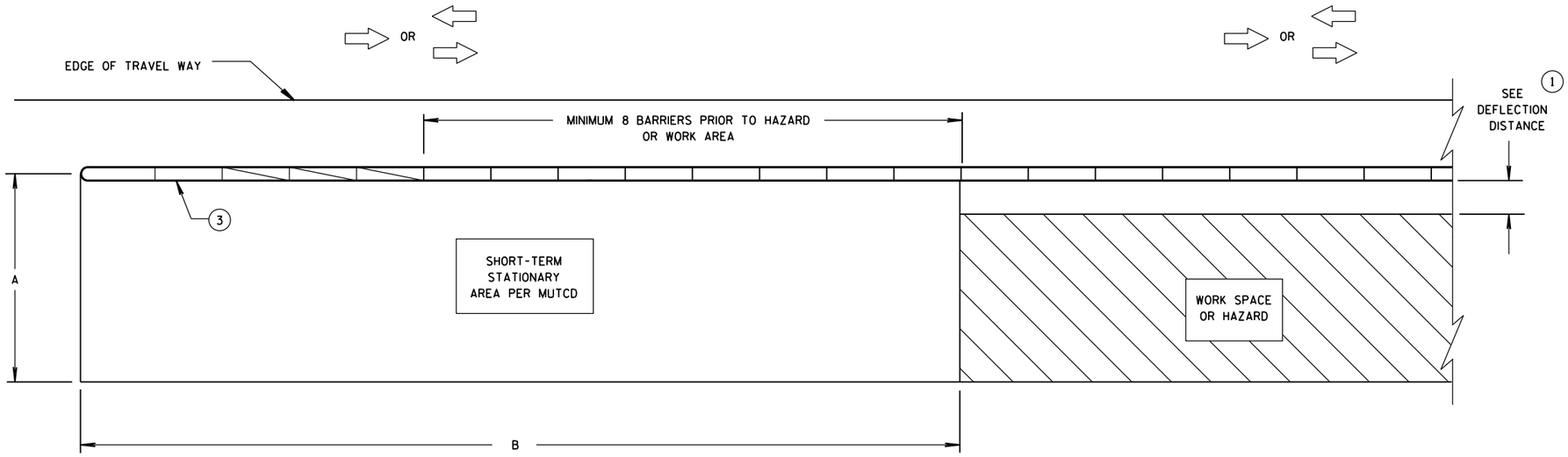
CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

6

SDD 14B07-16n



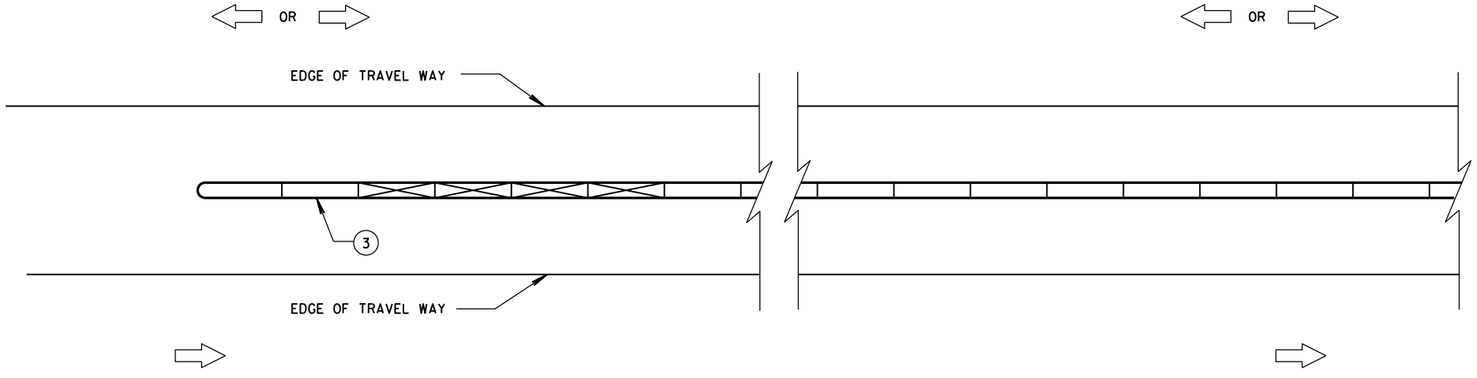
CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE OF BARRIER

DIMENSION A TABLE (2)

FACILITY	POSTED SPEED MPH	DIMENSION A	
		MIN. FT	MAX. FT
FREEWAY/EXPRESSWAY	ALL	15	20
NON-FREEWAY/EXPRESSWAY	GREATER THAN OR EQUAL TO 45	10	15
NON-FREEWAY/EXPRESSWAY	LESS THAN 45	8	10
AADT LESS THAN 1,500	ALL	8	10

DIMENSION B TABLE (2)

POSTED SPEEDS MPH	DIMENSION B FT
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON BOTH SIDES OF BARRIER

LEGEND

DIRECTION OF TRAVEL

CRASH CUSHION OR SAND BARREL ARRAY

SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS

SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS

3 PINS PLACED ON TRAFFIC SIDE OF BARRIER

PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET

FREE STANDING TEMPORARY BARRIER

GENERAL NOTES

SEE STANDARD DETAIL DRAWING 14B7 FOR MORE INFORMATION.

DETAILS PROVIDE A GENERAL LAYOUT OF TEMPORARY CONCRETE BARRIER, CRASH CUSHIONS, SAND BARREL ARRAYS AND TIE DOWN TRANSITIONS. DETAILS PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

ADDITIONAL TEMPORARY BARRIER MAY BE REQUIRED TO PROTECT TRAVELING PUBLIC FROM HAZARDS, CONTRACTOR'S OPERATIONS OR TO CONTROL TRAFFIC.

TEMPORARY BARRIER MAY BE REQUIRED TO BE ANCHORED TO PAVEMENT OR BRIDGE DECK.

FOR DETAILS ON CRASH CUSHION OR SAND BARREL ARRAYS SEE OTHER SECTIONS OF THE PLAN AND MANUFACTURE'S DETAILS.

SLOPES LEADING TO TEMPORARY BARRIER, CRASH CUSHION OR SAND BARREL ARRAY ARE 10:1 OR LESS.

(1) FOR DEFLECTION INFORMATION SEE STANDARD DETAIL DRAWING 14B7.

(2) VALUES PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

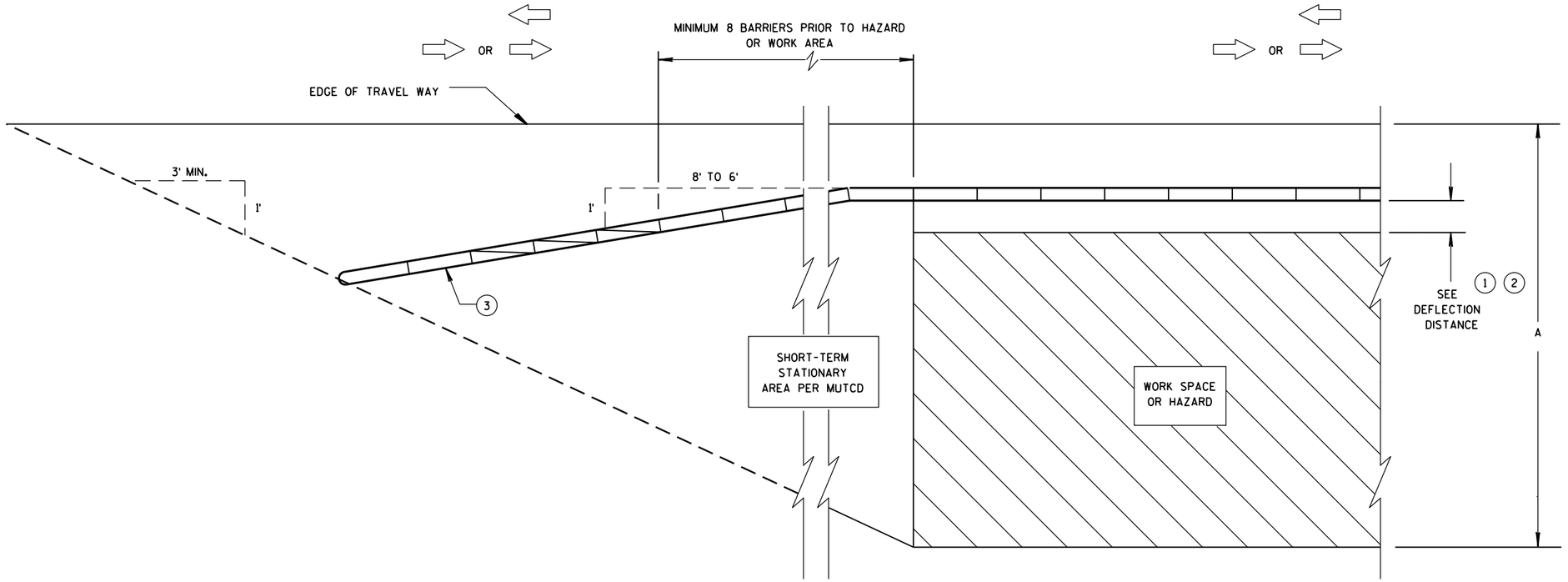
(3) ANCHOR TEMPORARY BARRIER ACCORDING TO CRASH CUSHION OR SAND BARREL MANUFACTURER'S RECOMMENDATIONS. IF MANUFACTURER'S RECOMMENDATIONS ARE NOT PROVIDED, ANCHOR 3 PINS ON TRAFFIC SIDE.

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

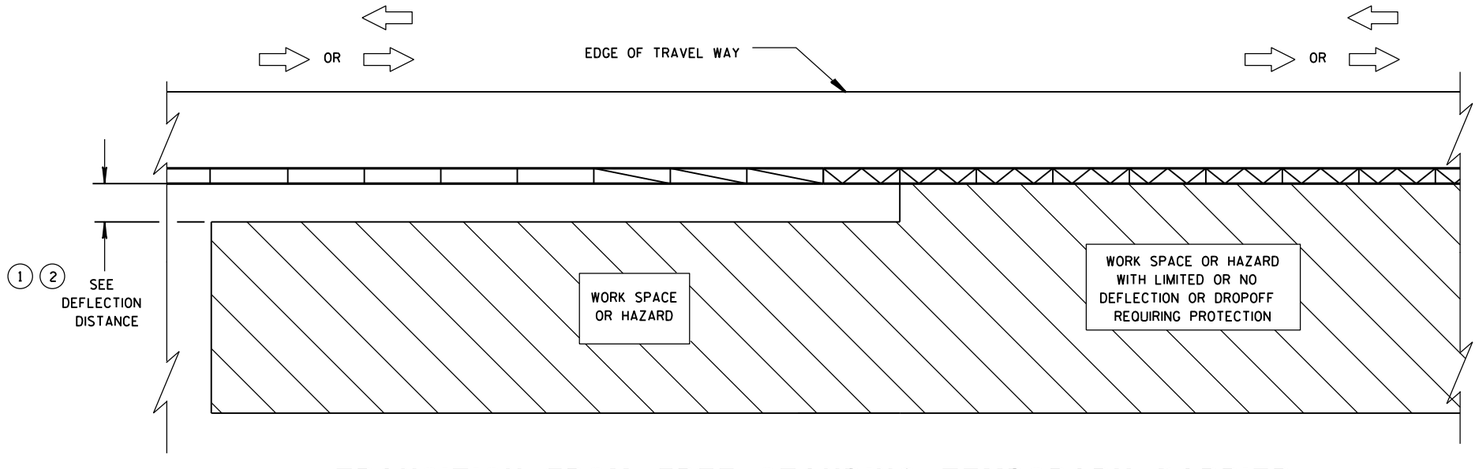
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 8-2a



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE - FLARED INSTALLATION



TRANSITION FROM FREE STANDING TEMPORARY BARRIER TO ANCHORED BARRIER

LEGEND

- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 8-2b

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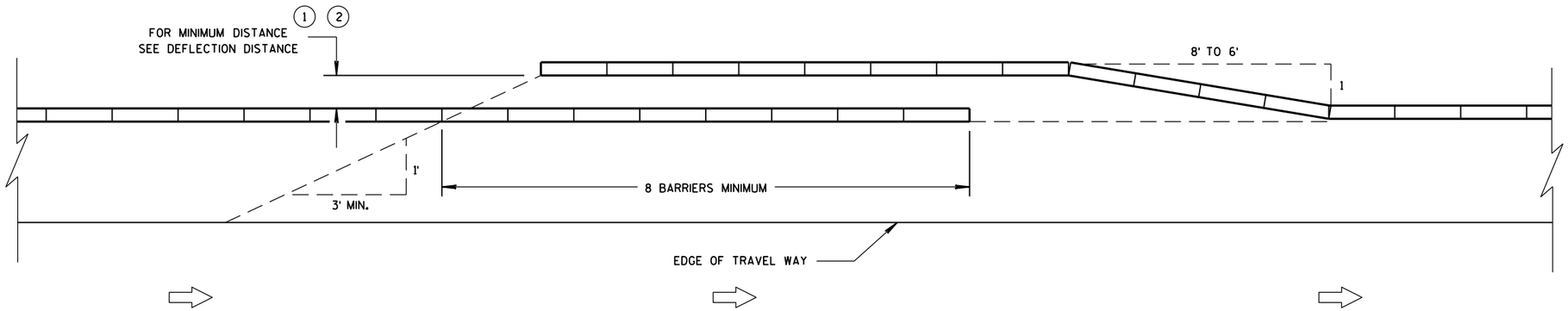
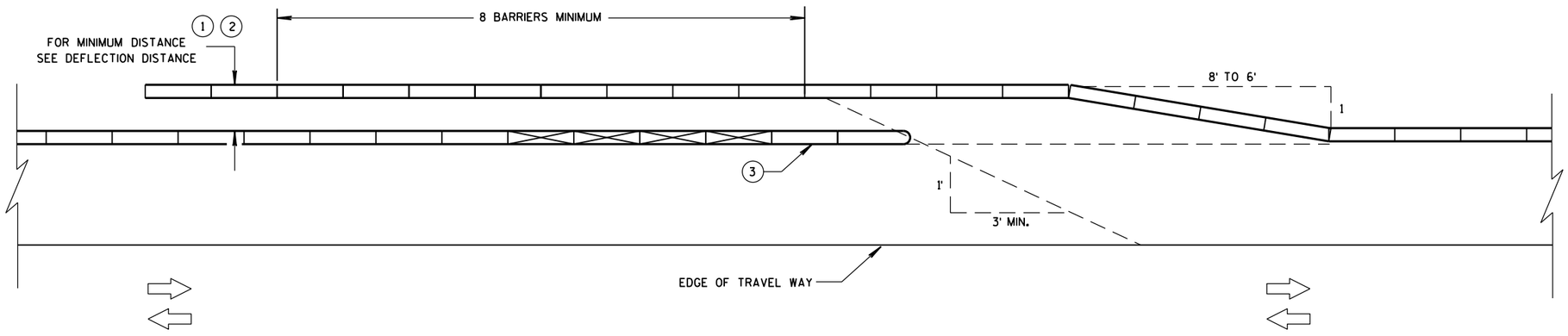
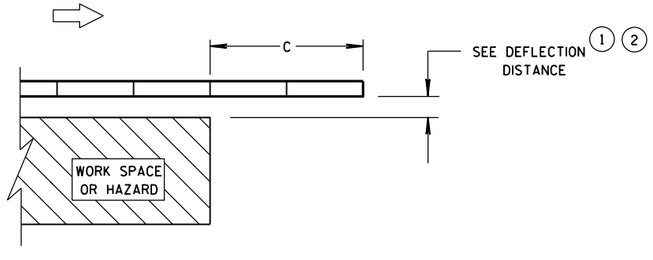
S.D.D. 14 B 8-2b



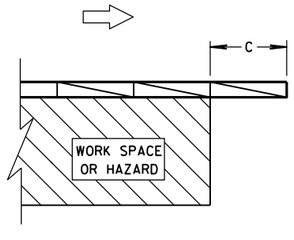
TEMPORARY BARRIER OVERLAP - ONE-WAY TRAFFIC



TEMPORARY BARRIER OVERLAP - TWO-WAY TRAFFIC



ENDING TEMPORARY BARRIER DOWNSTREAM - UNANCHORED



ENDING TEMPORARY BARRIER DOWNSTREAM - ANCHORED

LEGEND

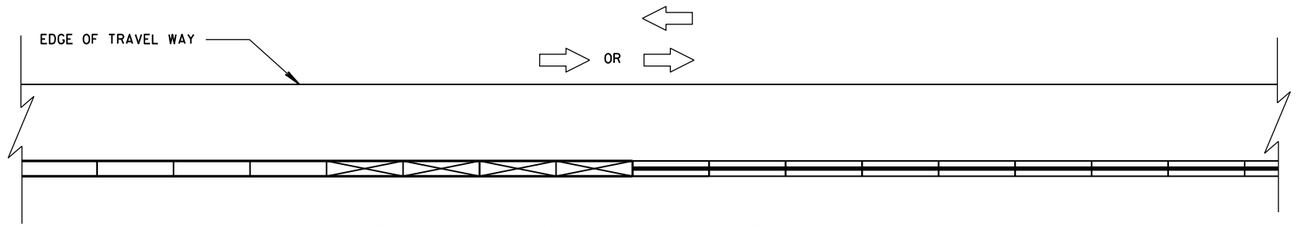
- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

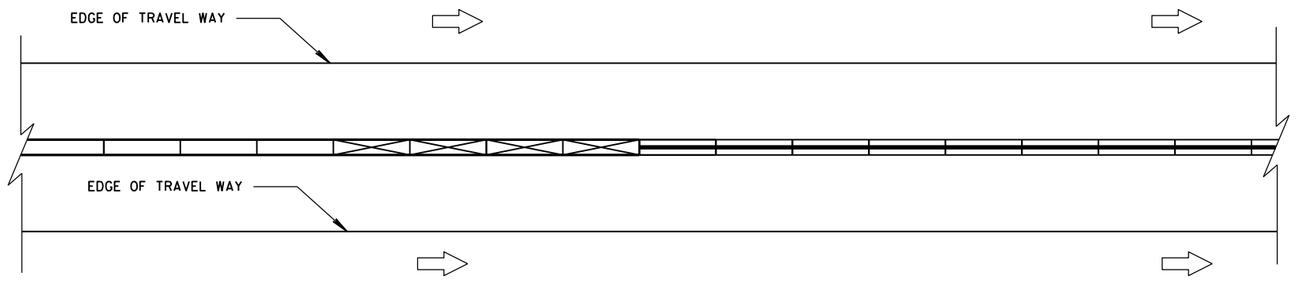
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 8-2c



CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON ONE SIDE



CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON BOTH SIDES

LEGEND

DIRECTION OF TRAVEL

CRASH CUSHION OR
SAND BARREL ARRAY

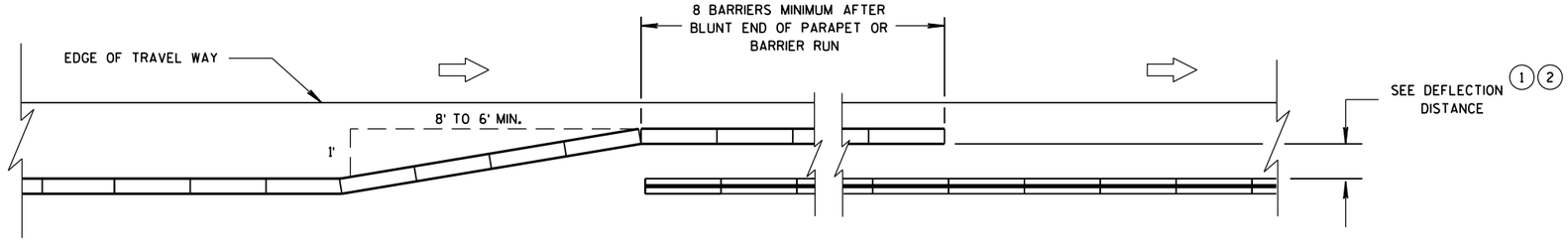
SEE FREE STANDING TRANSITION
TO TIED-DOWN SYSTEM DETAILS

SEE BI-DIRECTIONAL TRANSITION
TO TIED-DOWN SYSTEM DETAILS

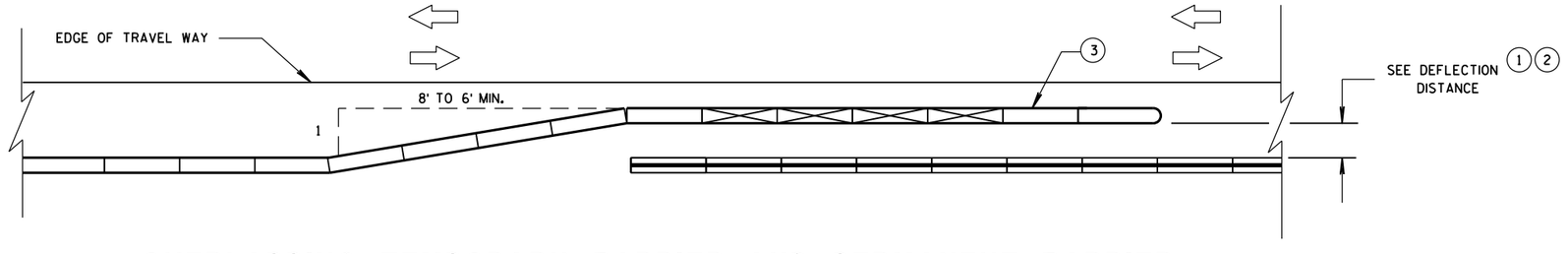
3 PINS PLACED ON
TRAFFIC SIDE OF BARRIER

PERMANENT CONCRETE BARRIER
OR CONCRETE PARAPET

FREE STANDING TEMPORARY
BARRIER



OVERLAPPING TEMPORARY BARRIER AND PERMANENT BARRIER -
ONE WAY TRAFFIC



OVERLAPPING TEMPORARY BARRIER AND PERMANENT BARRIER -
TWO WAY TRAFFIC

CRASH CUSHION/SAND BARREL
ARRAY AND OTHER TEMPORARY
BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 8-2d

LEGEND

DIRECTION OF TRAVEL

CRASH CUSHION OR SAND BARREL ARRAY

SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS

SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS

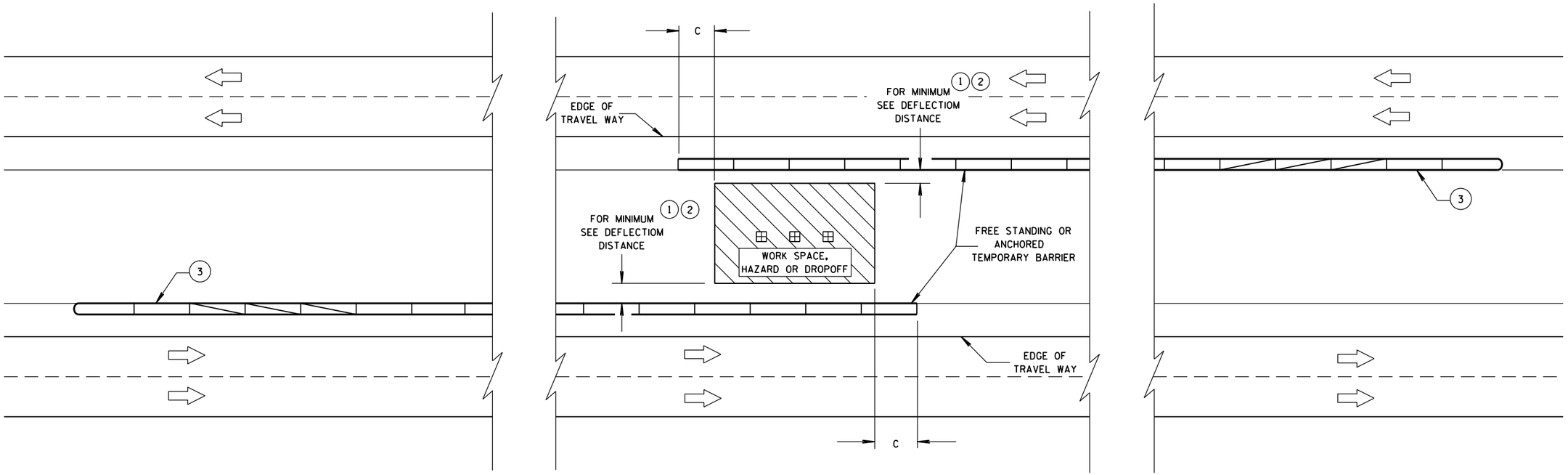
3 PINS PLACED ON TRAFFIC SIDE OF BARRIER

PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET

FREE STANDING TEMPORARY BARRIER

DIMENSION C TABLE (2)

AVAILABLE DEFLECTION DISTANCE	MINIMUM LENGTH OF BARRIER BEYOND HAZARD FT
GREATER THAN 8'	12.5
LESS THAN OR EQUAL TO 8' BUT GREATER THAN 4'	50
LESS THAN OR EQUAL TO 4'	100



CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINNER
FHWA

6

S.D.D. 14 B 8-2e

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

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

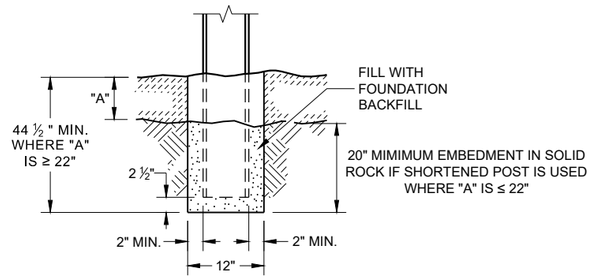
(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL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

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

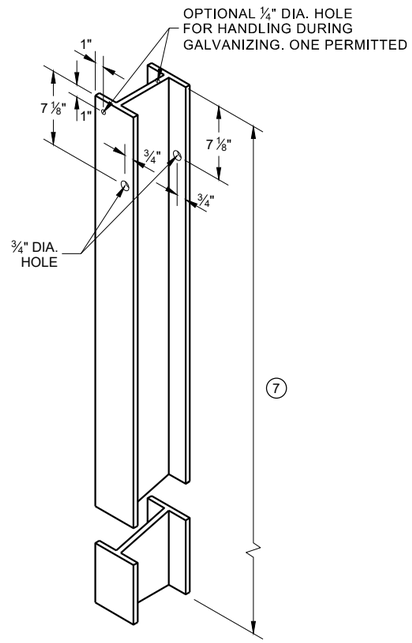
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ±1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

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

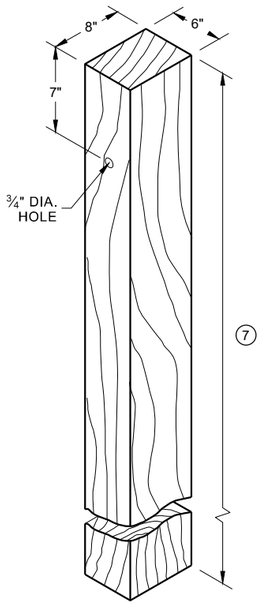
(7) TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



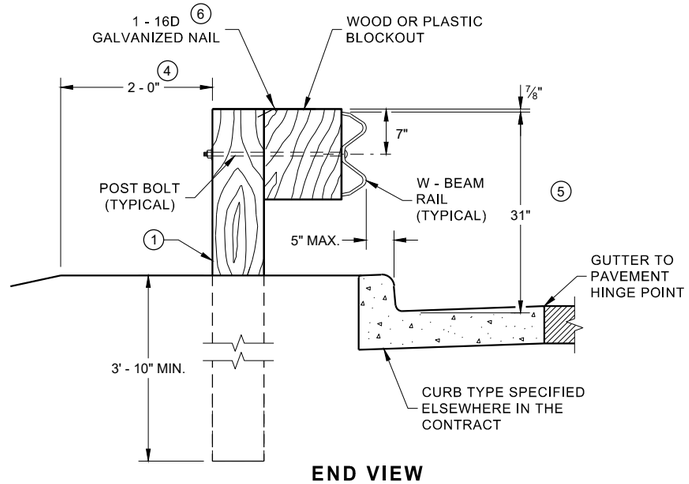
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



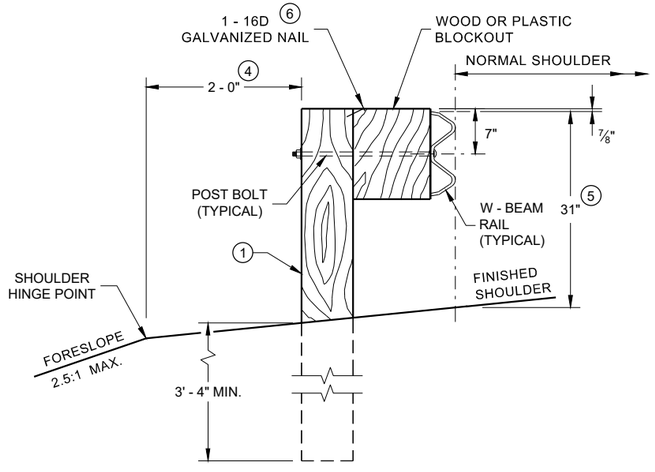
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



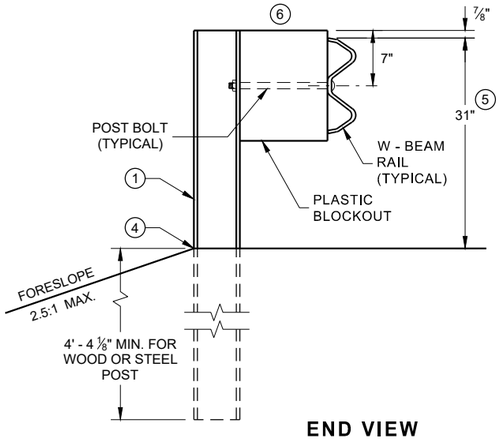
WOOD POST (6" X 8") NOMINAL (1)



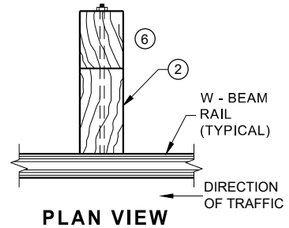
END VIEW
LOCATED ALONG A CURBED ROADWAY



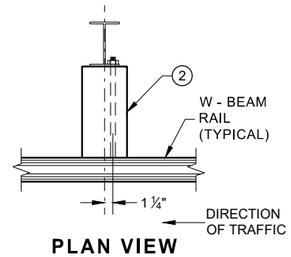
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



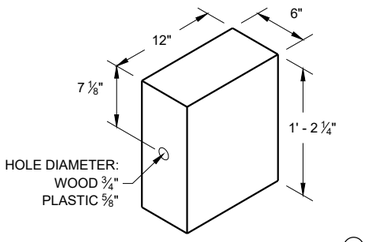
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



PLAN VIEW
STEEL POST, PLASTIC BLOCKOUT & BEAM



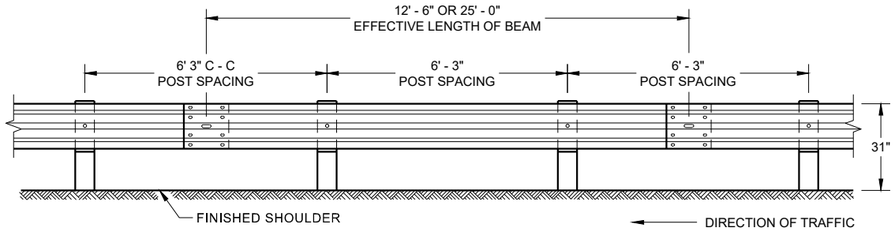
WOOD OR PLASTIC BLOCKOUT (2)

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

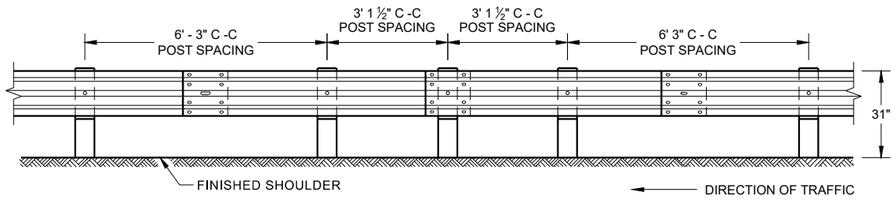
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B42 - 07a

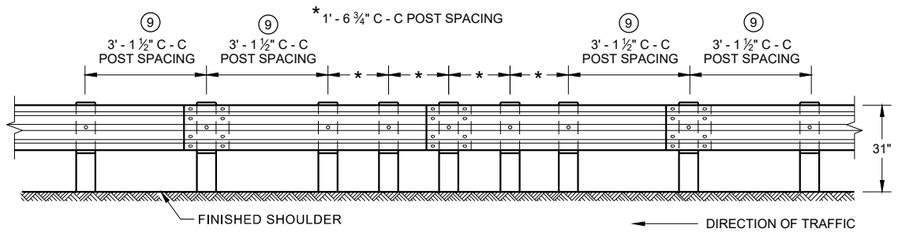
SDD 14B42 - 07a



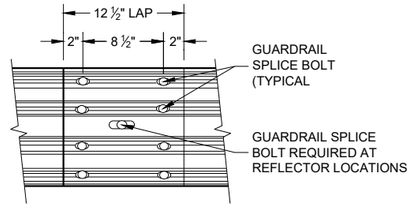
FRONT VIEW
POST SPACING STANDARD INSTALLATION



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



FRONT VIEW
QUARTER POST SPACING (QS)



FRONT VIEW
MID-SPAN BEAM SPLICE

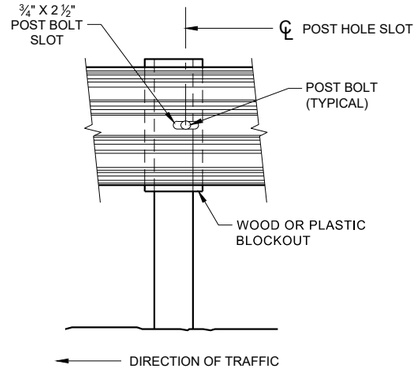
GENERAL NOTES

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

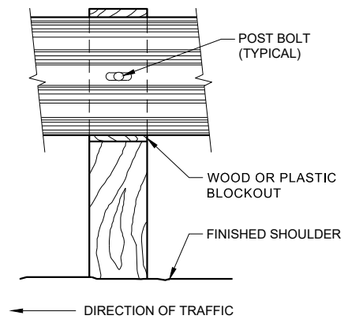
⑨ 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

POST BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND ⅝" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

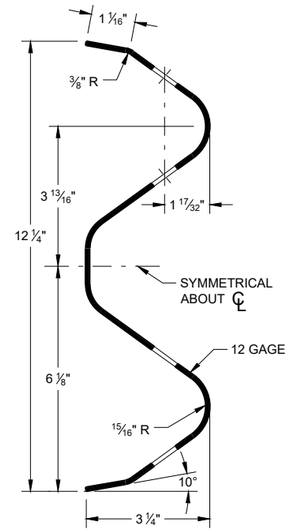
GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.



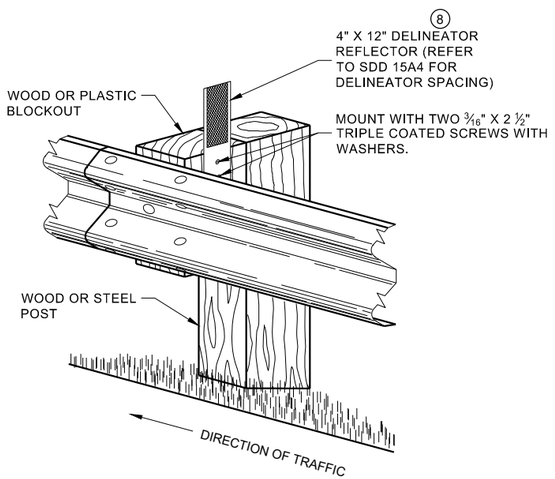
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



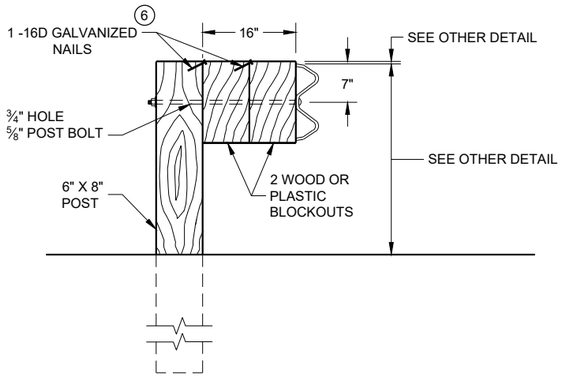
ONE SIDED REFLECTOR DETAIL
AND TYPICAL INSTALLATION

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B42 - 07b

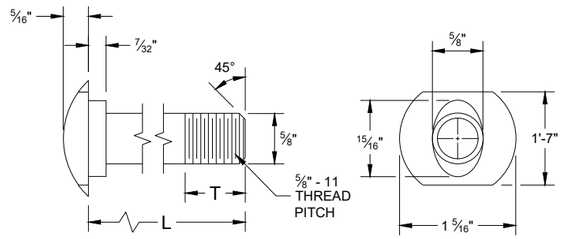


DETAIL FOR 16" BLOCKOUT DEPTH

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

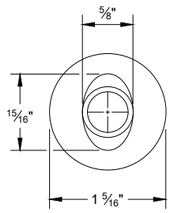
NOTE:

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

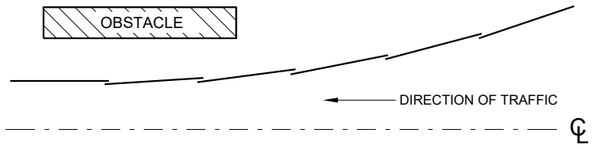


POST BOLT TABLE

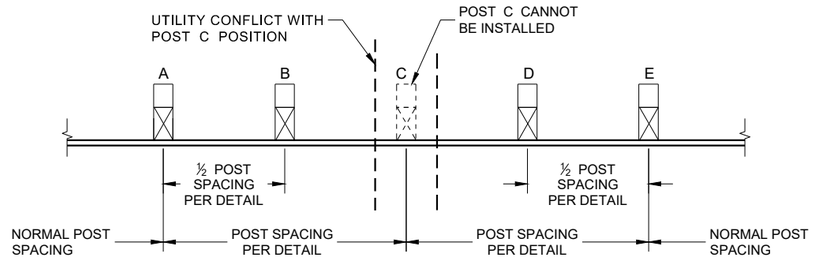
L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1⁄16"
18"	4"
21"	4 1⁄16"
25"	4"



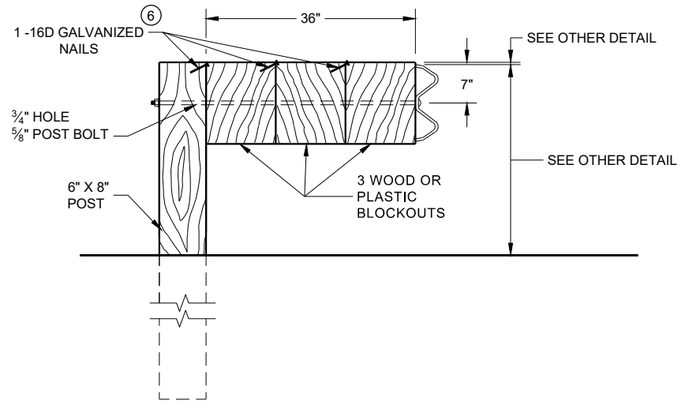
ALTERNATE BOLT HEAD



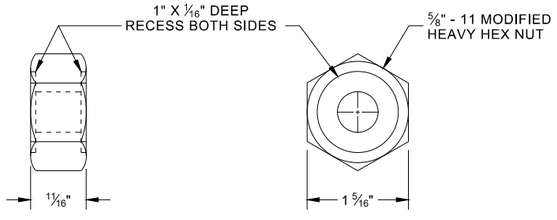
PLAN VIEW
BEAM LAPPING DETAIL



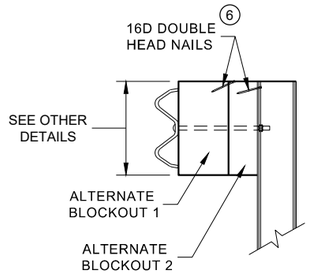
POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



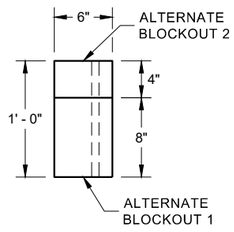
DETAIL FOR 36" BLOCKOUT DEPTH



POST BOLT, SPLICE BOLT AND RECESS NUT



SIDE VIEW



PLAN VIEW

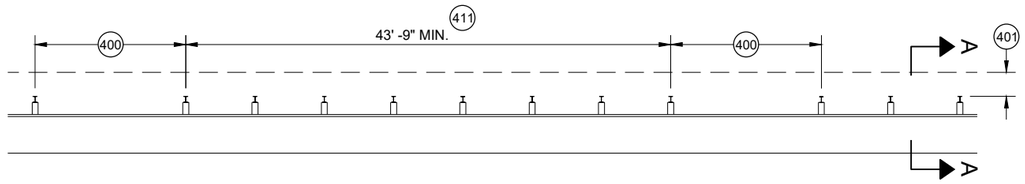
ALTERNATE WOOD BLOCKOUT DETAIL

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

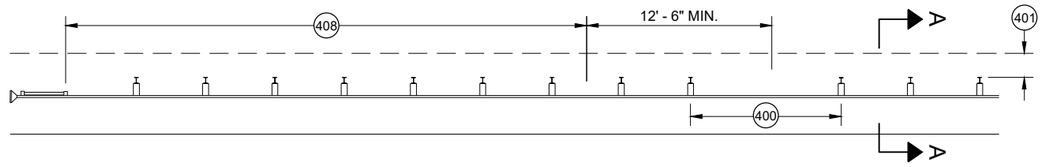
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

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

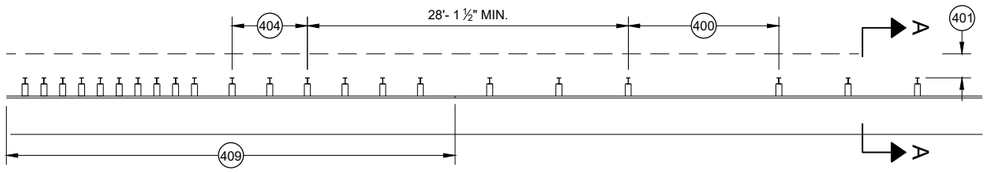
MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL



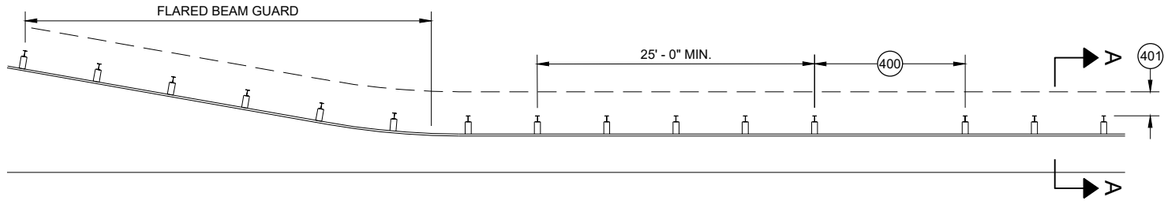
MISSING POST IN MGS GUARDRAIL



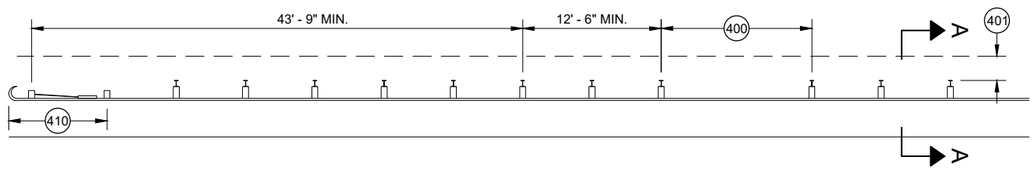
MISSING POST IN MGS GUARDRAIL NEAR EAT



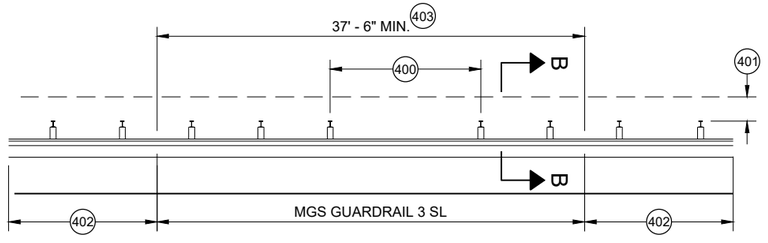
MISSING POST IN MGS GUARDRAIL NEAR AN APPROACH TRANSITION



MISSING POST IN MGS GUARDRAIL NEAR FLARED BEAM GUARD

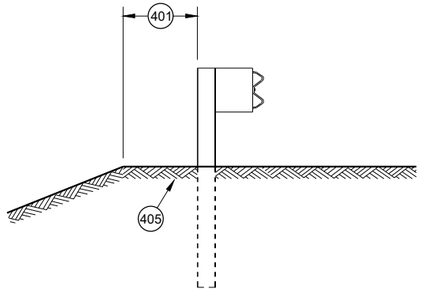


MISSING POST IN MGS GUARDRAIL NEAR A TYPE 2 END TERMINAL

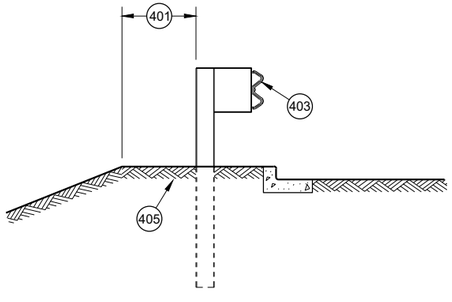


MISSING POST IN SHORT SPAN MGS GUARDRAIL NEAR CURB (SL) 407

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



SECTION A - A 406



SECTION B - B 406

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

6

SDD 14B42 - 07d

GENERAL NOTES

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

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

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

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

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

DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

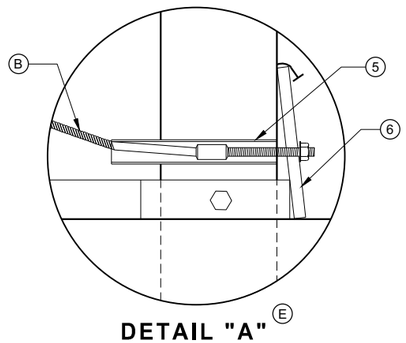
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

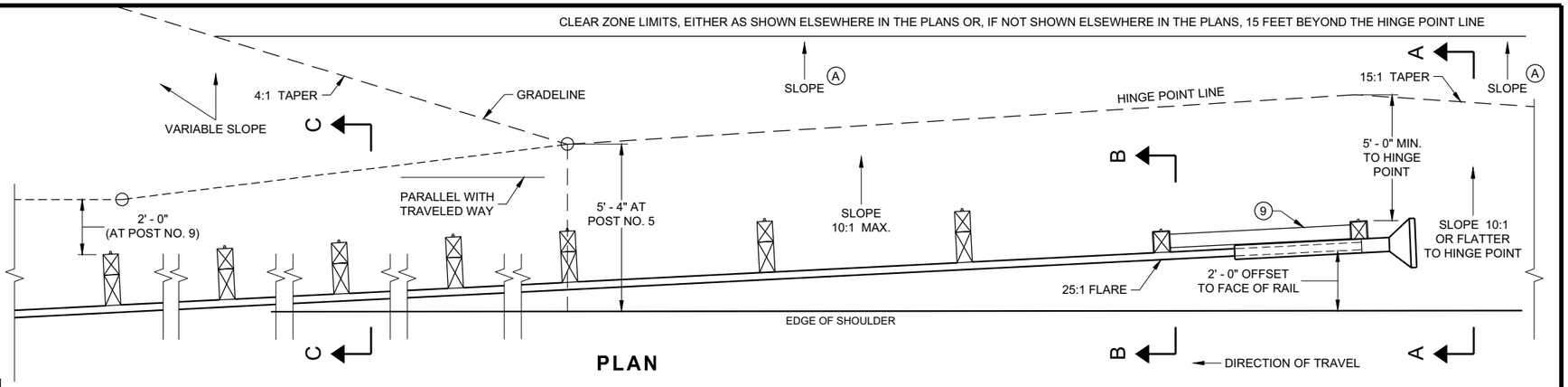
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

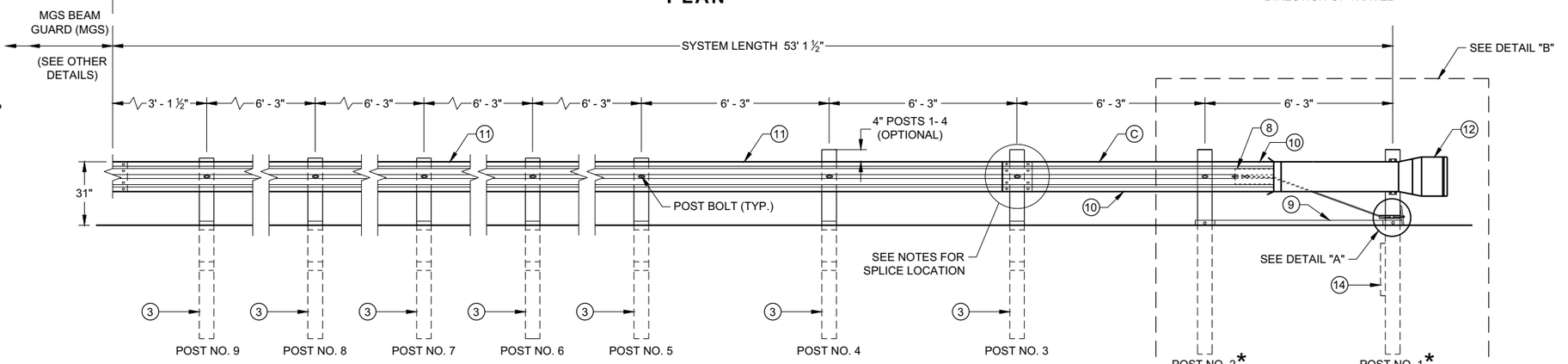
SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

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

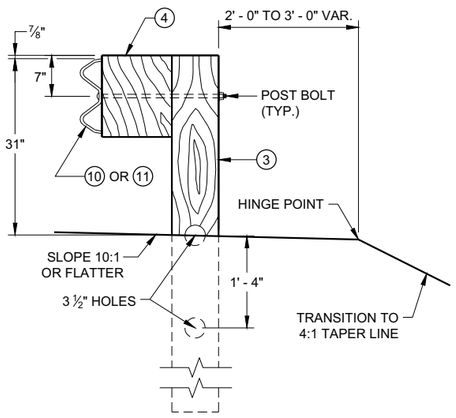


DETAIL "A" (E)

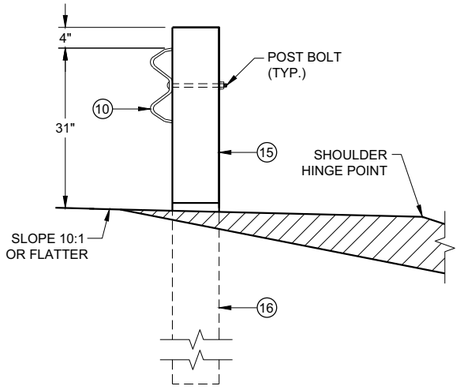




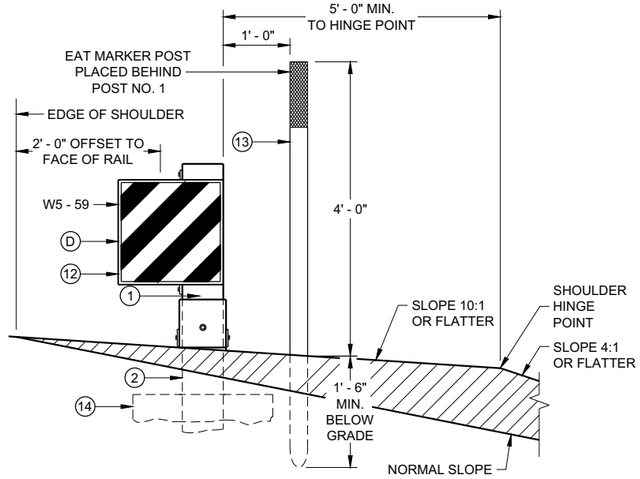
ELEVATION



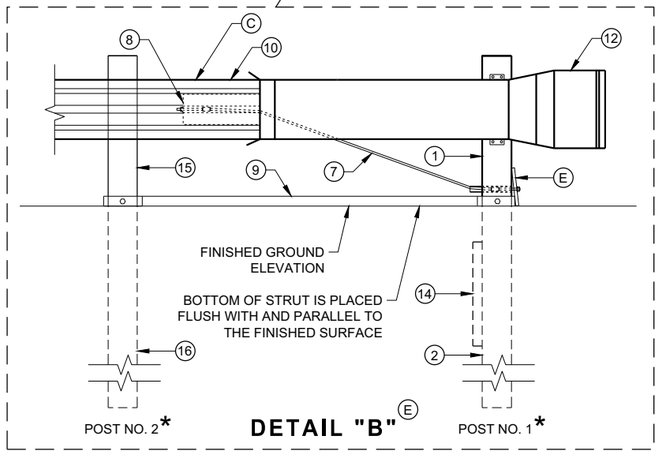
SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



SECTION A - A
TYPICAL AT POST NO. 1*



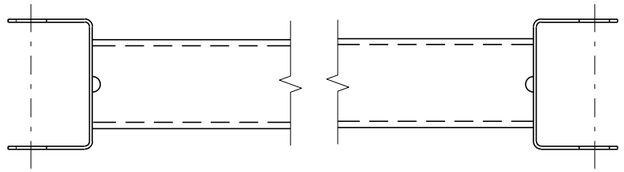
DETAIL "B" (E)

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B44 - 04a

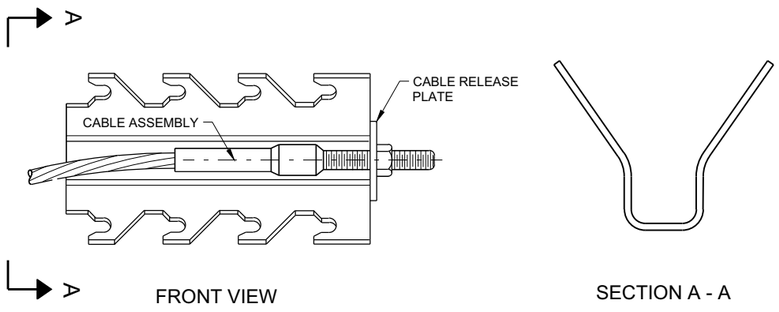
SDD 14B44 - 04a



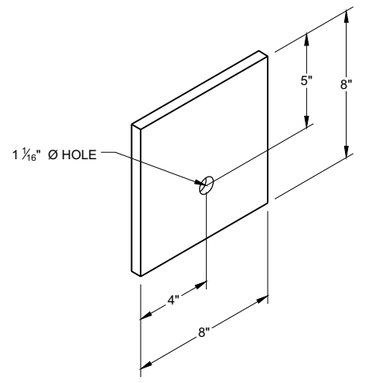
GENERIC GROUND STRUT ⑨ Ⓔ

BILL OF MATERIALS

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



GENERIC ANCHOR CABLE BOX ⑧ Ⓔ



BEARING PLATE ⑥ Ⓔ

6

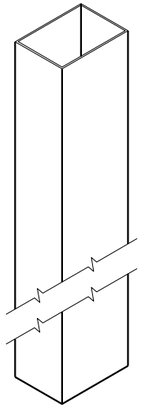
6

SDD 14B44 - 04b

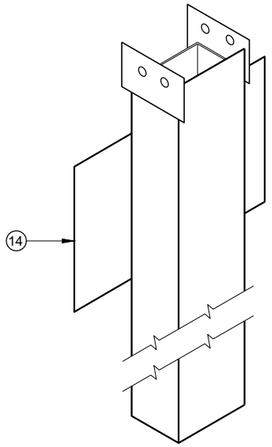
SDD 14B44 - 04b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



UPPER POST NO. 1 (1) (E)



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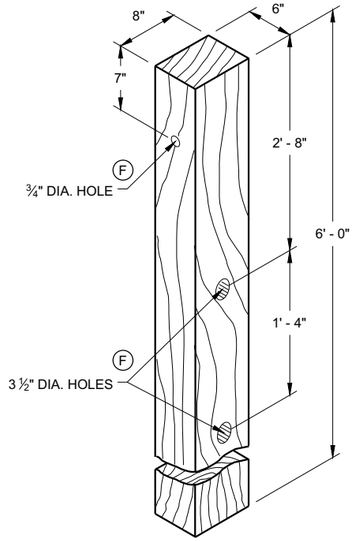
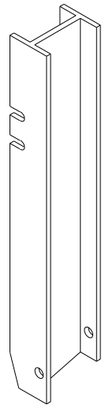


WOOD CRT POST (3) (E)
POSTS NUMBER 3-9



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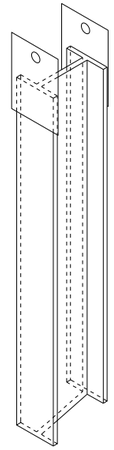

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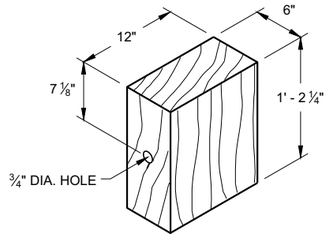
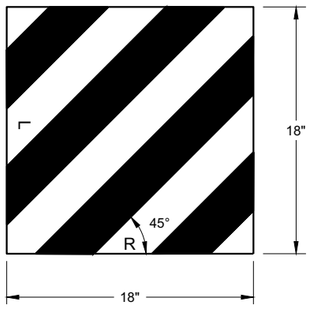
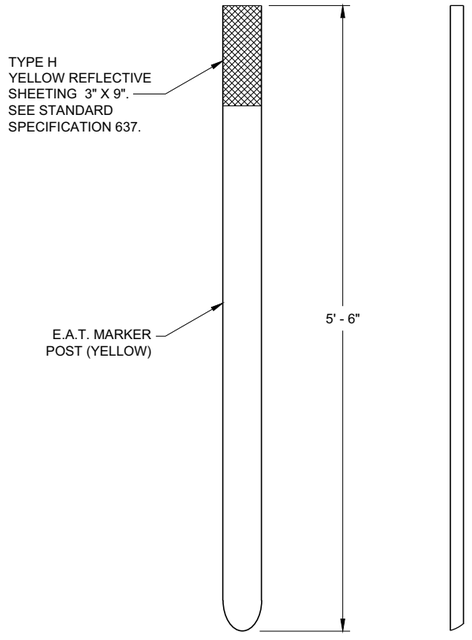


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



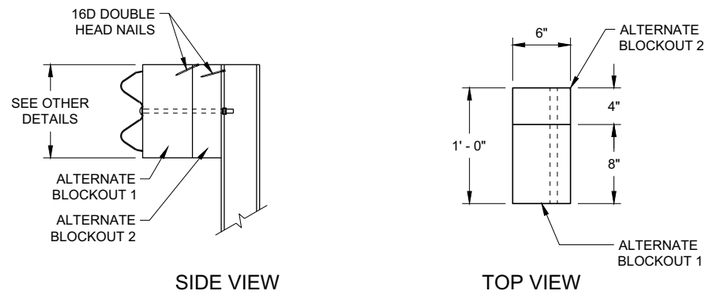
W5 - 59

REFLECTIVE SHEETING DETAIL (E)



FRONT VIEW SIDE VIEW

E.A.T. MARKER POST (13)



SIDE VIEW TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

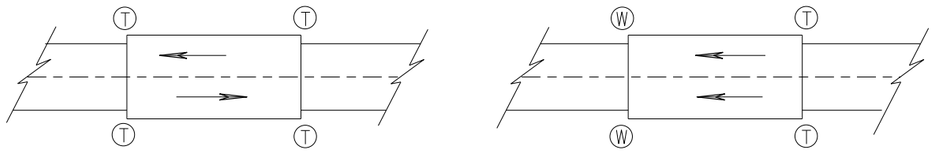
MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6

SDD 14B44 - 04c



TWO WAY TRAFFIC

ONE WAY TRAFFIC

(T) THRIE BEAM CONNECTION

(W) W-BEAM CONNECTION WHEN REQUIRED

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

GENERAL NOTES

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

TRANSITION USES STEEL POSTS ONLY.

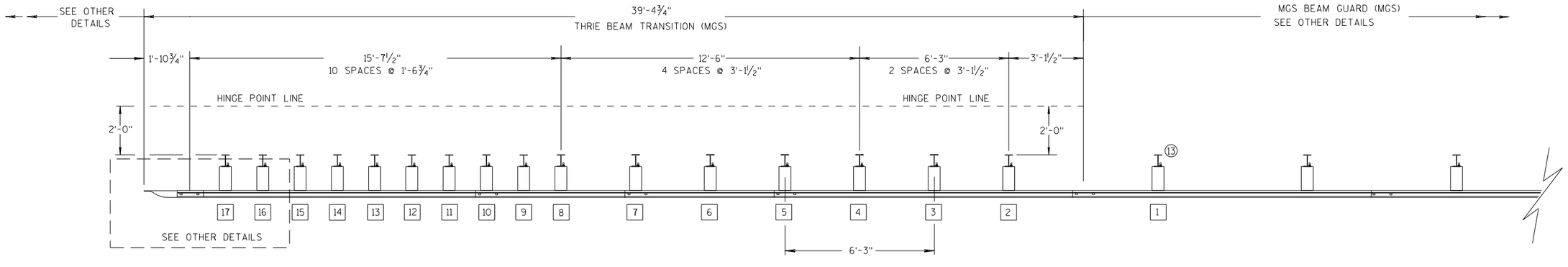
SEE STANDARD DETAIL DRAWING 14 B 42 FOR MORE INFORMATION.

POST 2 THROUGH 17 USES STEEL POST ONLY

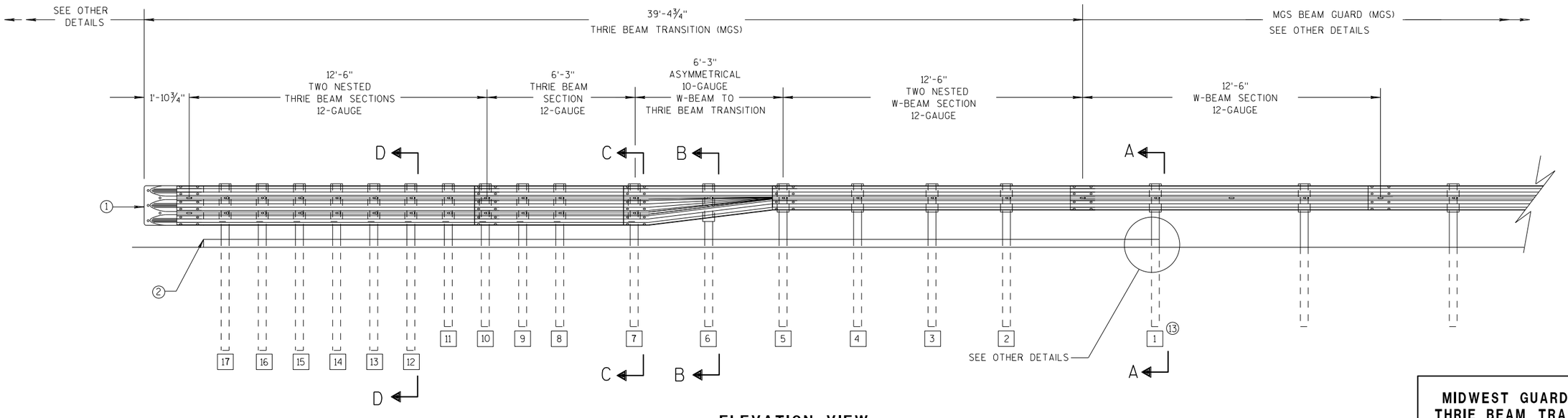
(1) BRIDGE RAILING TYPE "W" DOES NOT REQUIRE A TERMINAL CONNECTOR.

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

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



PLAN VIEW



ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

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

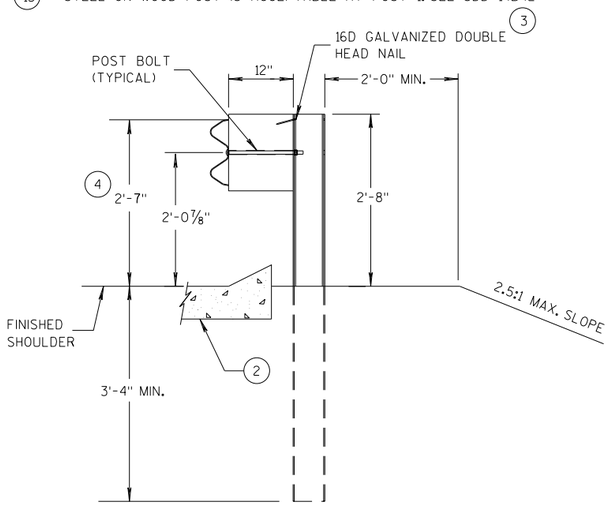
GENERAL NOTES

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

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

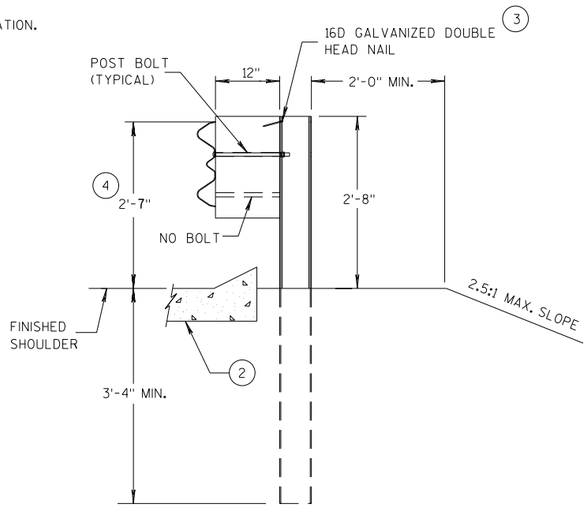
(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

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



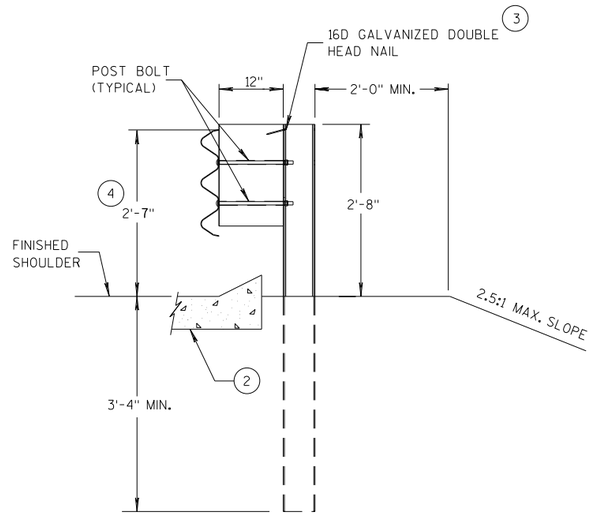
SECTION A-A (13)

POSTS 1-5



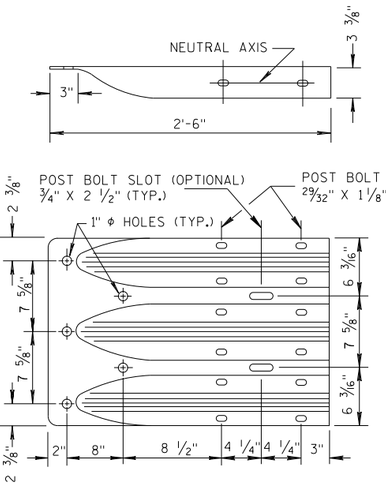
SECTION B-B

POST 6

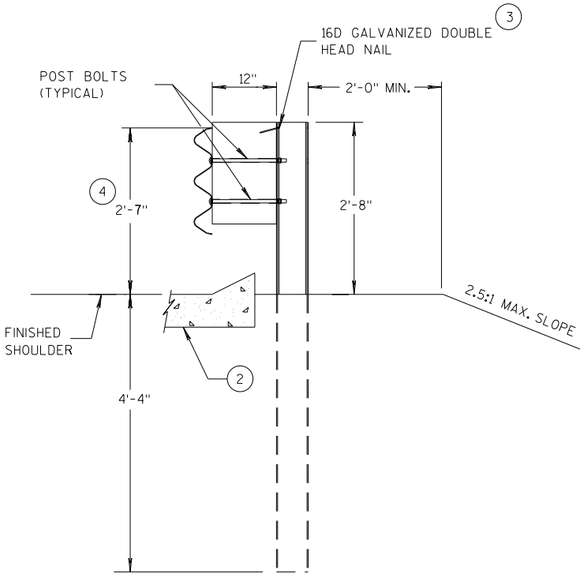


SECTION C-C

POSTS 7-11

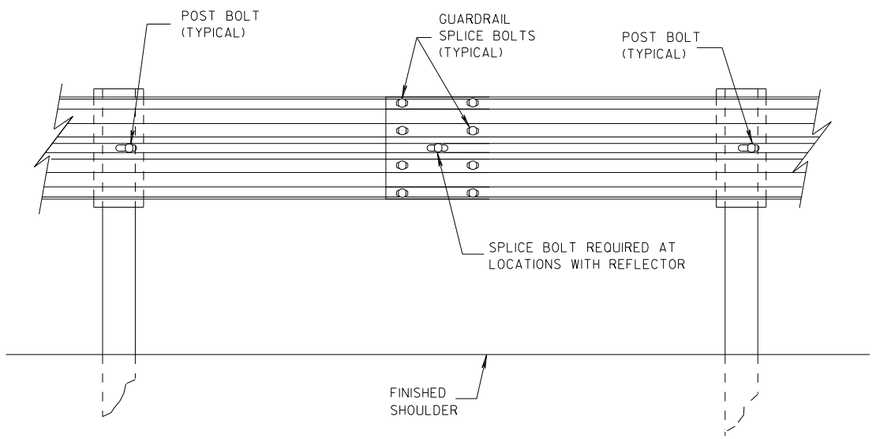


THRIE BEAM TERMINAL CONNECTOR



SECTION D-D

POSTS 12-17



SPLICE DETAIL

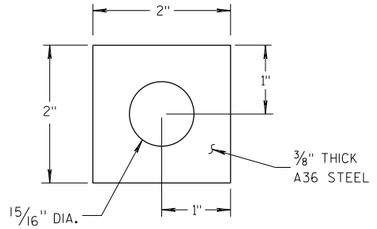
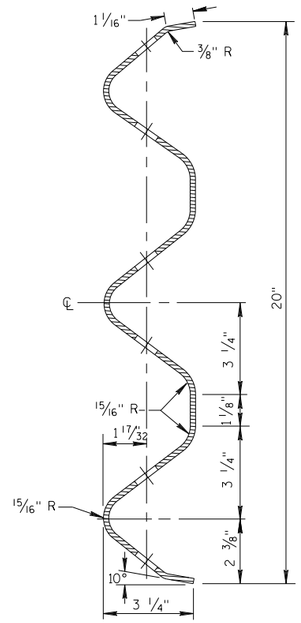


PLATE WASHER DETAIL



SECTION THRU THRIE BEAM RAIL ELEMENT

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

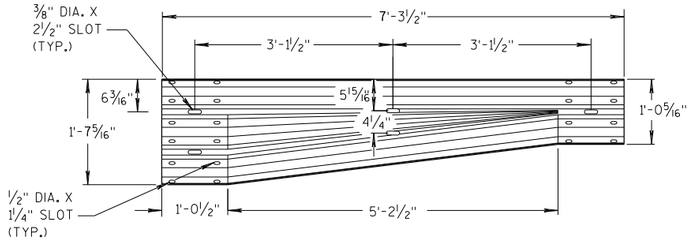
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 233

6

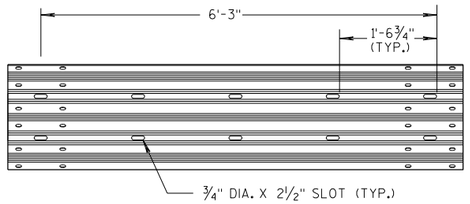
S.D.D. 14 B 45-5b

6

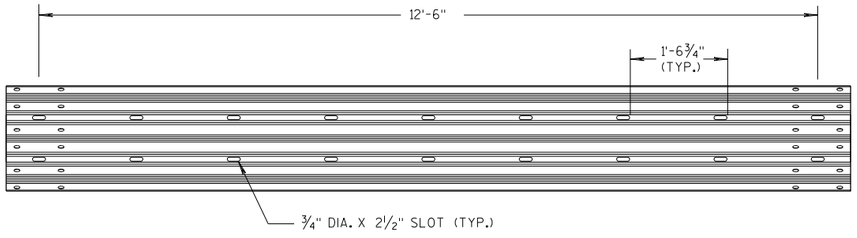
S.D.D. 14 B 45-5b



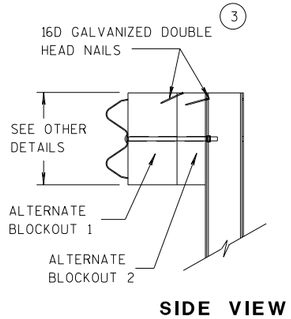
W-BEAM TO THRIE BEAM TRANSITION SECTION



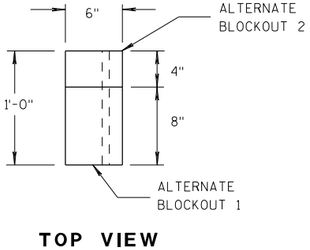
6'-3" THRIE BEAM SECTION



12'-6" THRIE BEAM SECTION

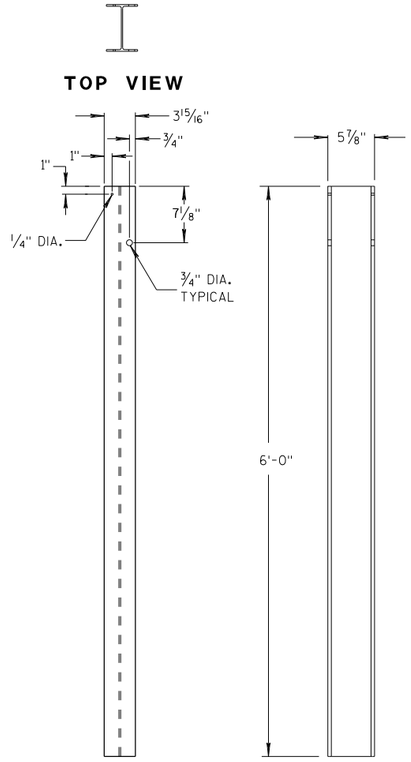


SIDE VIEW



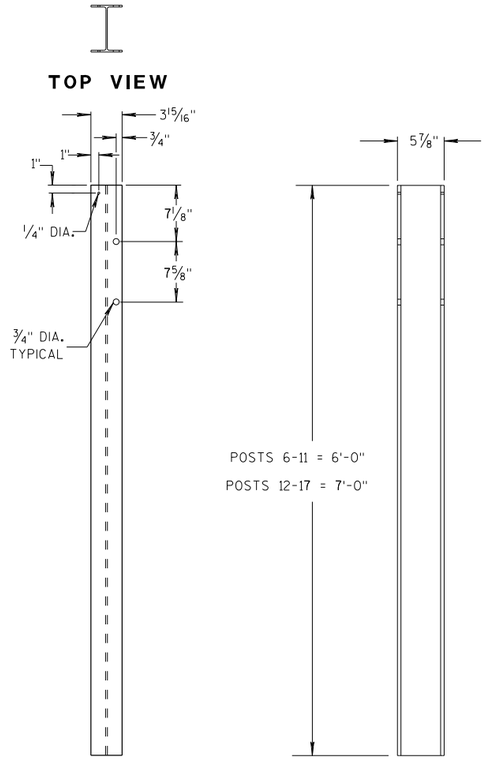
TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL



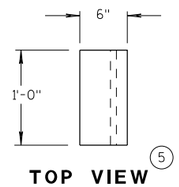
FRONT VIEW SIDE VIEW

STEEL POSTS 1-5 (13)

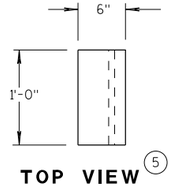


FRONT VIEW SIDE VIEW

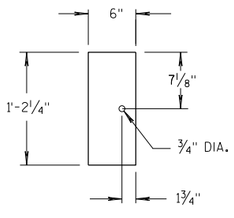
STEEL POSTS 6-17



TOP VIEW (5)

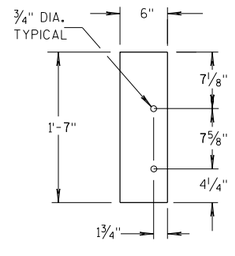


TOP VIEW (5)



FRONT VIEW

BLOCKOUT POSTS 1-5



FRONT VIEW

BLOCKOUT POSTS 6-17

GENERAL NOTES

STEEL POSTS ARE W6X9 OR W6X8.5.

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

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

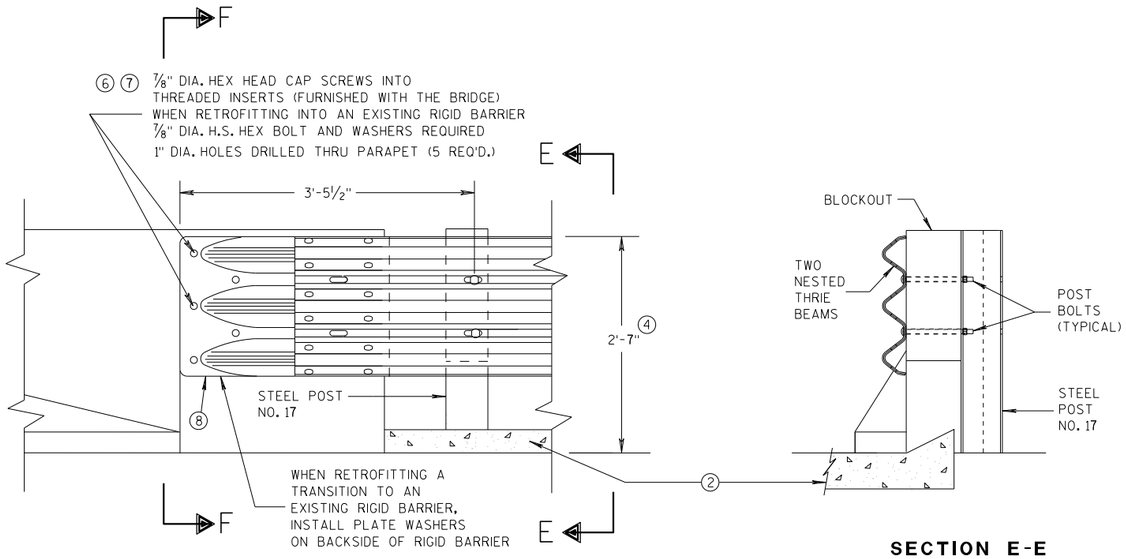
(5) WOOD BLOCKS MAY BE CONSTRUCTED OUT OF 2 WOOD BLOCKS. SEE ALTERNATE WOOD BLOCK DETAIL.

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

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 234

6
S.D.D. 14 B 45-5c



FRONT VIEW

SECTION E-E

THRIE BEAM CONNECTION TO BRIDGE PARAPET WITH SQUARE ENDS

GENERAL NOTES

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

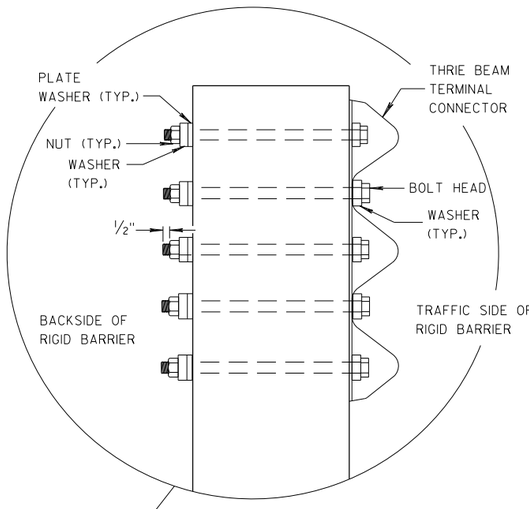
② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

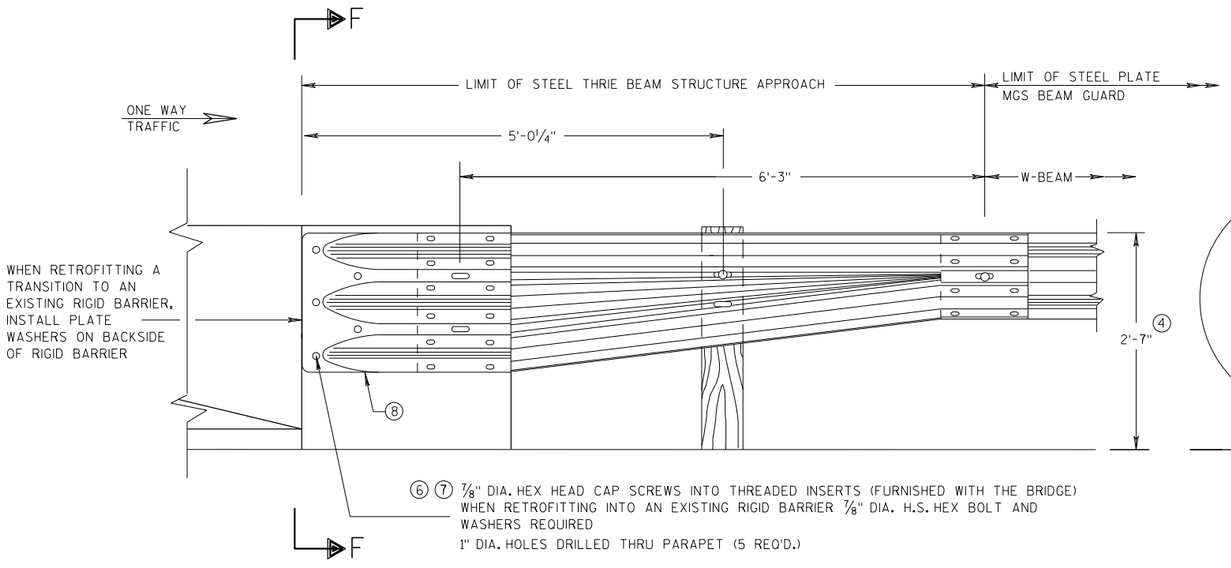
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

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

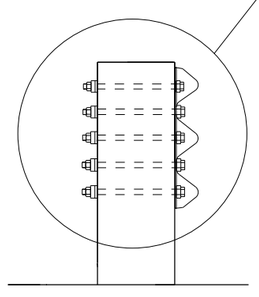
⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE.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

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

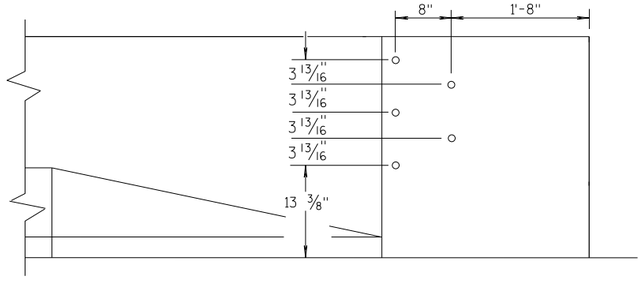




FRONT VIEW



SECTION F-F



DRILL HOLE LOCATION

W BEAM TRANSITION AND CONNECTION TO BRIDGE PARAPETS WITH SQUARE ENDS

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

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

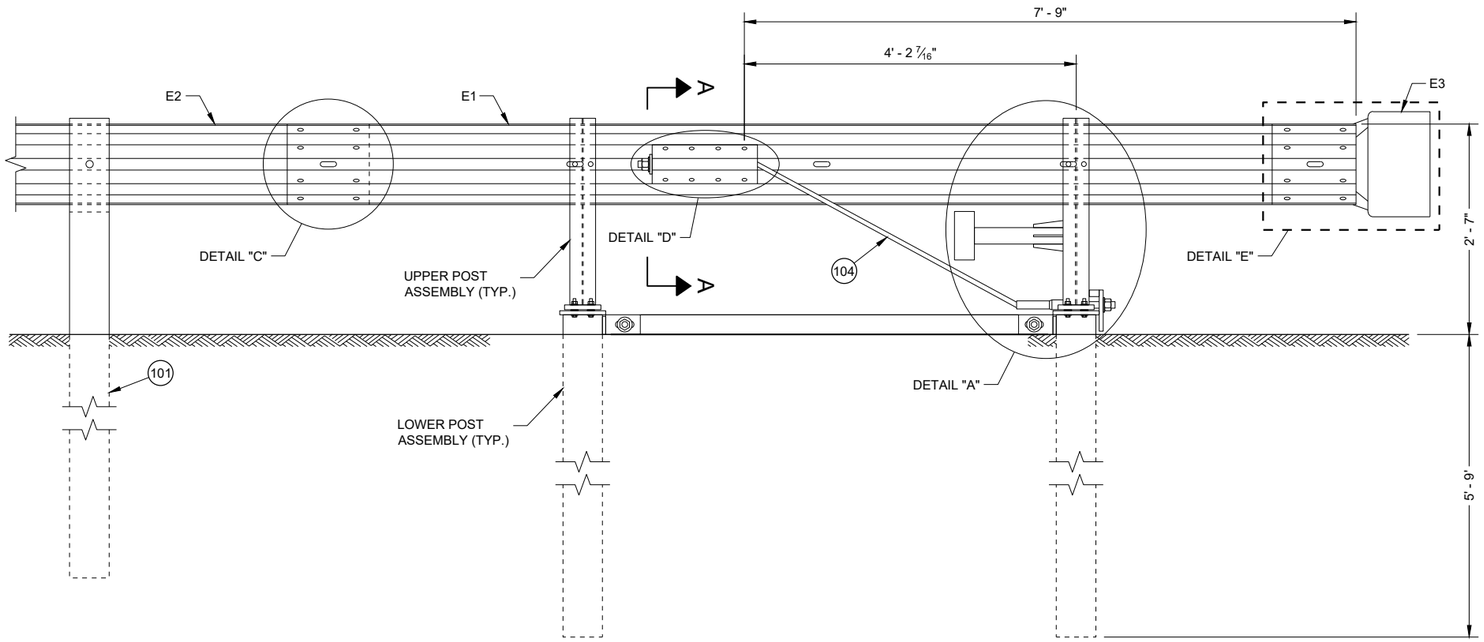
APPROVED
07/2018 DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D UNIT SUPERVI NT
FHWA

6

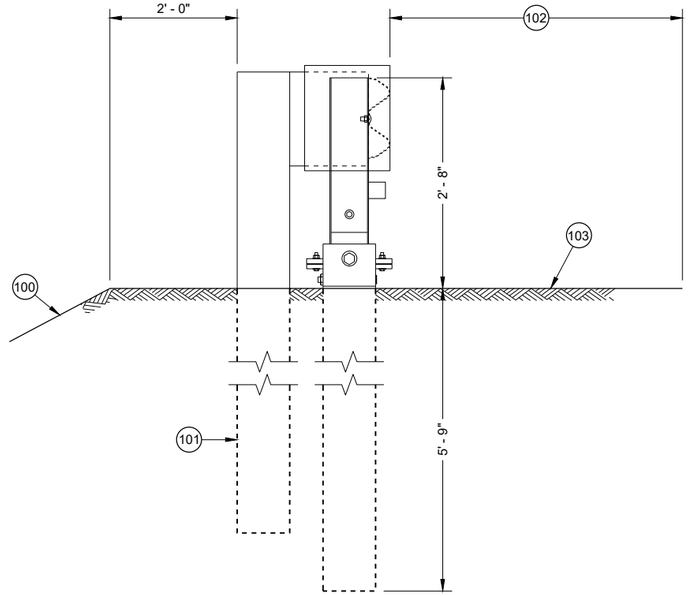
S.D.D. 14 B 45-5d

6

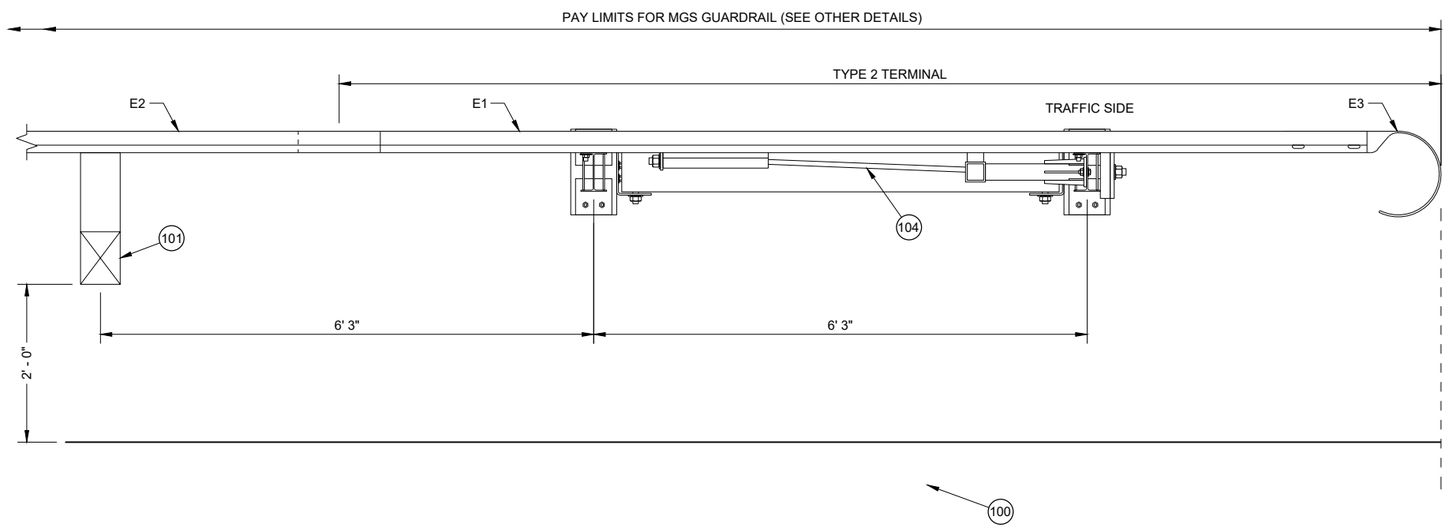
S.D.D. 14 B 45-5d



BACK VIEW
TYPE 2 TERMINAL



SIDE VIEW
TYPE 2 TERMINAL



TOP VIEW
TYPE 2 TERMINAL

GENERAL NOTES

(100) MAXIMUM SLOPE IS 2.5:1.

(101) SEE SDD 14B42 FOR MORE INFORMATION.

(102) SHOULDER

(103) MAXIMUM SLOPE IS 10:1.

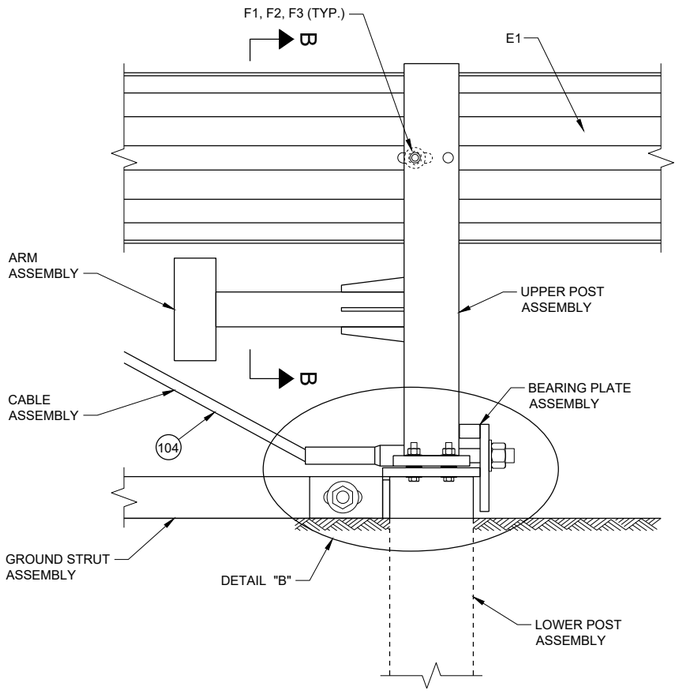
(104) AFTER ASSEMBLY, CABLE IS TO BE TIGHTENED WITHOUT TWISTING THE CABLE.

MIDWEST GUARDRAIL SYSTEM (MGS)
TYPE 2 TERMINAL

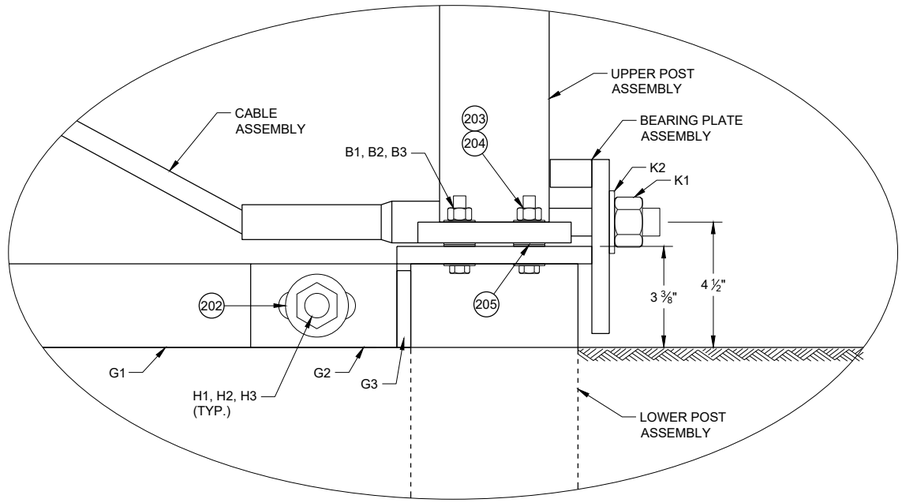
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B47 - 05a



DETAIL "A"



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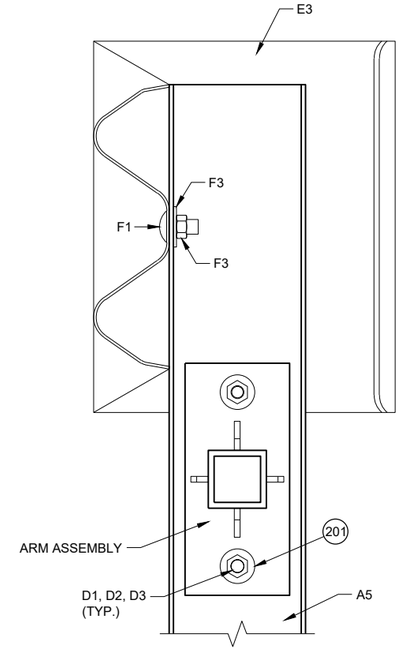
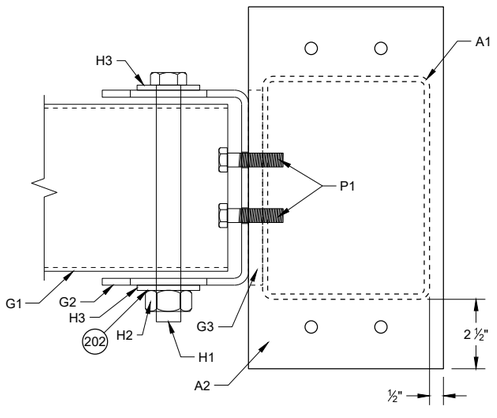
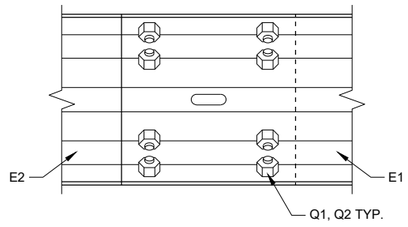


SECTION B - B



TOP VIEW

GROUND STRUT CONNECTION DETAIL



DETAIL "C"

GENERAL NOTES

200 INSTALL ONE WASHER UNDER BOLT HEAD AND RAIL AND ON WASHER BETWEEN NUT AND ANCHOR BRACKET ASSEMBLY.

201 INSTALL ONE WASHER UNDER BOLT HEAD AND UPPER POST ASSEMBLY AND ONE WASHER BETWEEN NUT AND ARM PLATE.

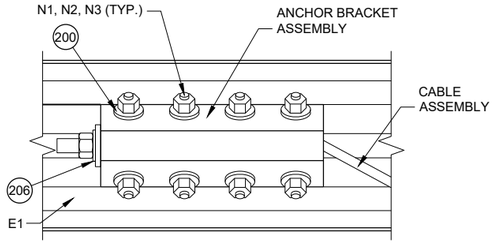
202 INSTALL ONE WASHER UNDER BOLT HEAD AND GROUND STRUT CONNECTOR AND ONE WASHER BETWEEN NUT AND GROUND STRUT CONNECTOR.

203 INSTALL ONE WASHER UNDER BOLT HEAD AND LOWER POST ASSEMBLY AND ONE WASHER BETWEEN NUT AND UPPER POST ASSEMBLY.

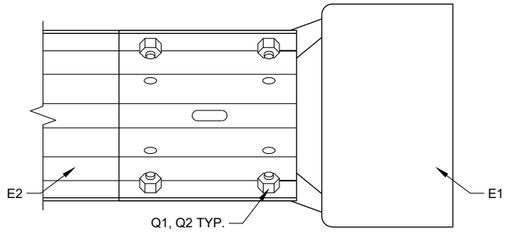
204 TORQUE VALUE IS BETWEEN 60 - 75 FT-LB.

205 TWO WASHERS BETWEEN UPPER AND LOWER POST ASSEMBLY.

206 INSTALL ONE WASHER BETWEEN NUT AND ANCHOR BRACKET ASSEMBLY.



DETAIL "D"



DETAIL "E"

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

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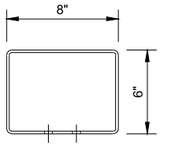
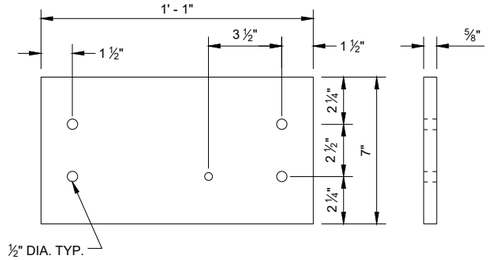
GENERAL NOTES

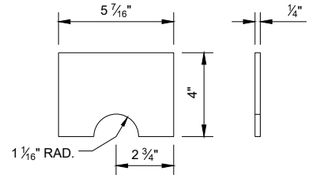
(300) TAP FOR 1/2" AFTER GALVANIZATION



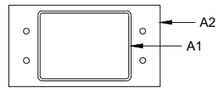
TOP VIEW



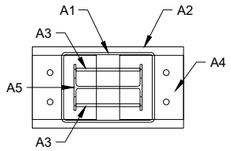
LOWER PLATE (A2)

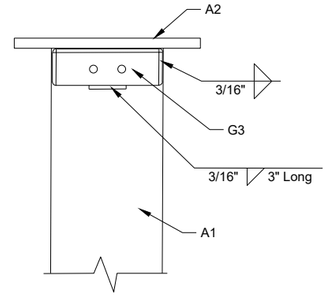


POST GUSSET (A3)

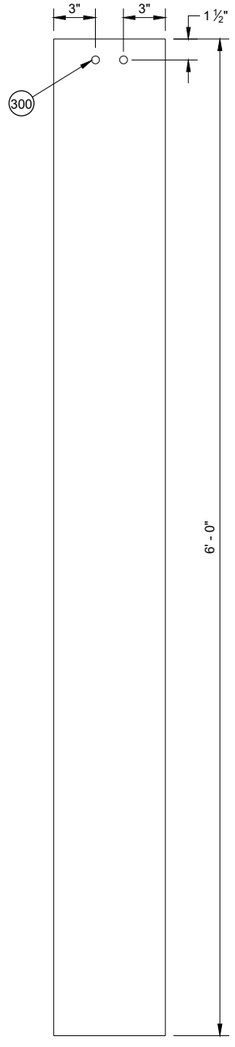


PLAN VIEW



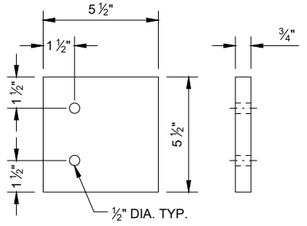


WELDING DETAIL
G3 AND A1

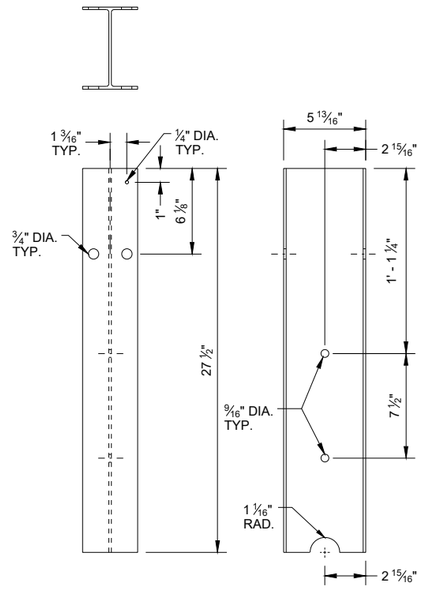


SIDE VIEW

FOUNDATION TUBE (A1)

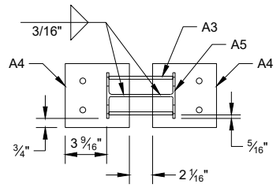


UPPER PLATE (A4)

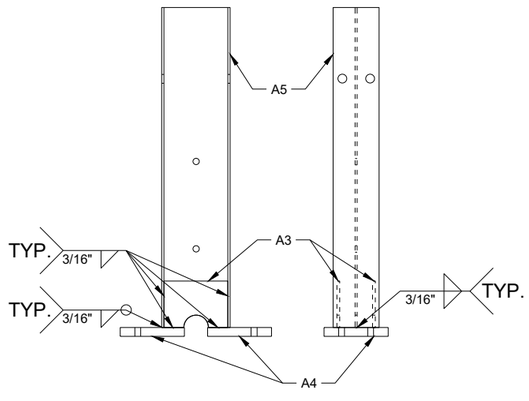


FRONT VIEW SIDE VIEW

TYPE 2 POST (A5)

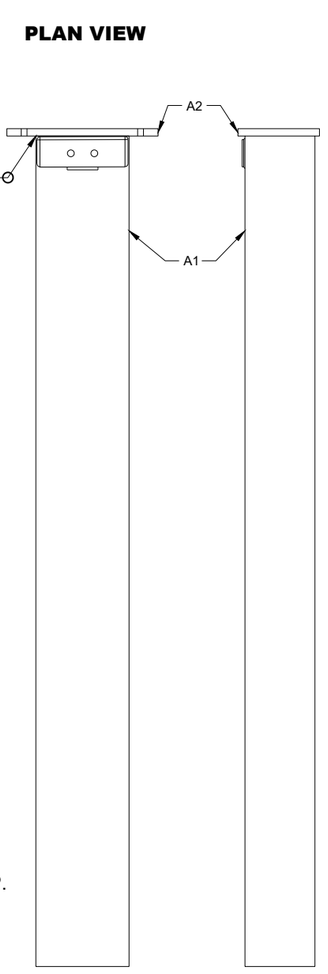


PLAN VIEW



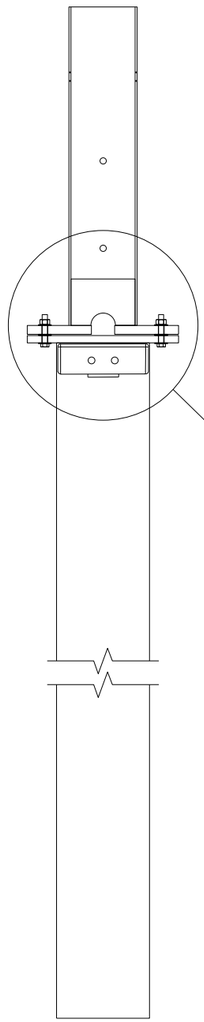
SIDE VIEW FRONT VIEW

UPPER POST ASSEMBLY

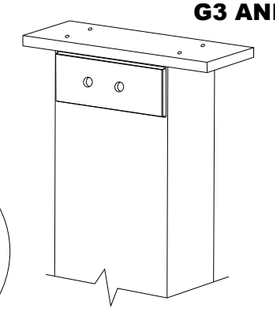


FRONT VIEW SIDE VIEW

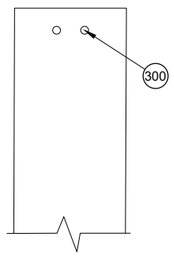
LOWER POST ASSEMBLY



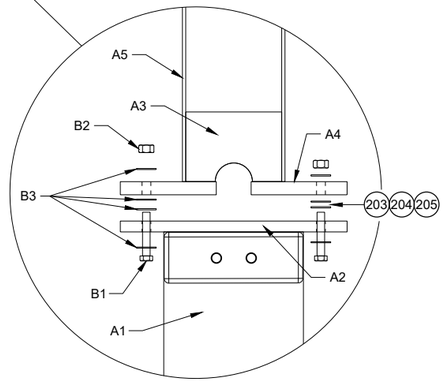
ASSEMBLED POST



ASSEMBLY DETAIL
ISOMETRIC



A1



POST CONNECTION DETAIL

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

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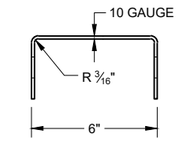
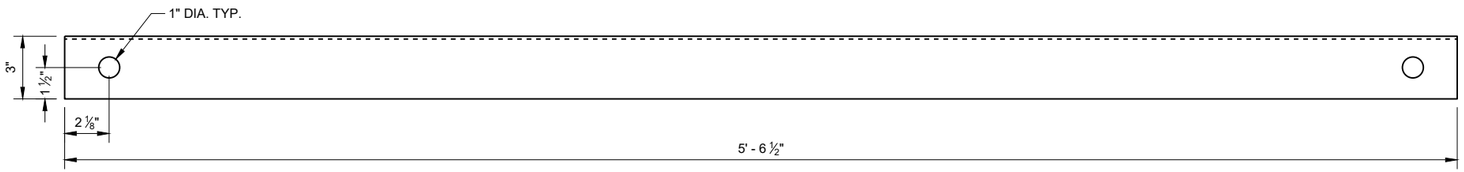
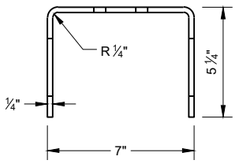


SIDE VIEW

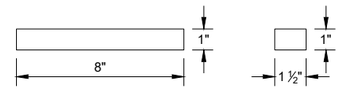


FRONT VIEW

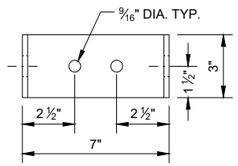
GROUND STRUT CHANNEL (G1)



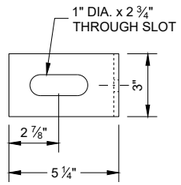
TOP VIEW



BEARING PLATE FLANGE (L2)

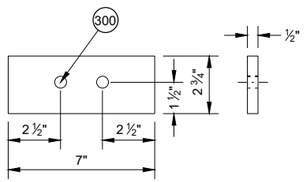


FRONT VIEW

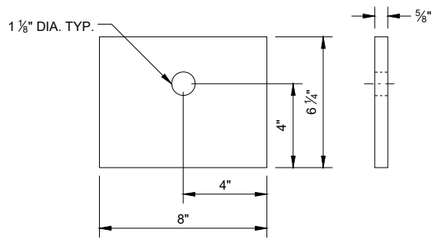


SIDE VIEW

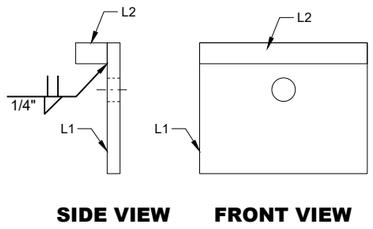
GROUND STRUT CONNECTOR (G2)



GROUND STRUT PLATE (G3)

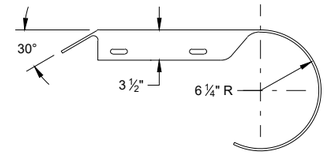


BEARING PLATE (L1)

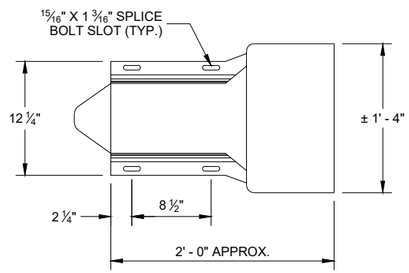


SIDE VIEW FRONT VIEW

BEARING PLATE ASSEMBLY

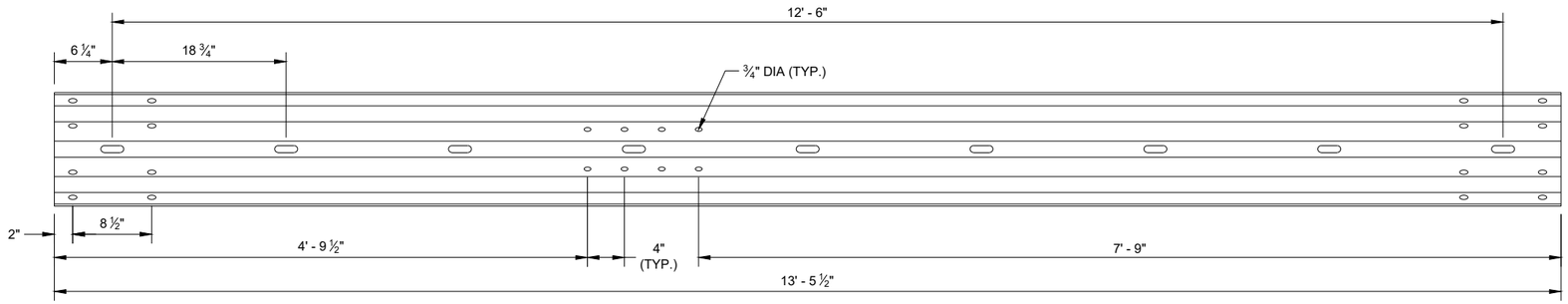


PLAN VIEW

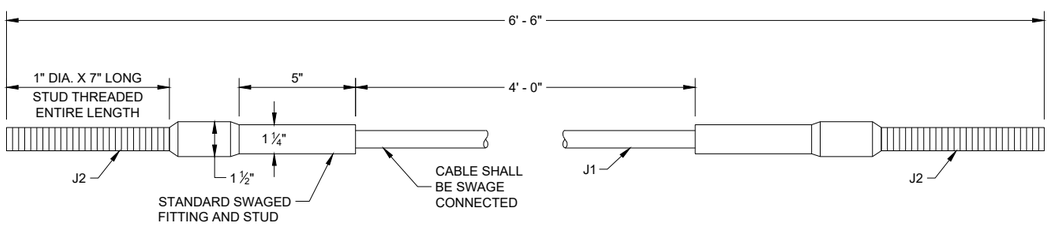


ELEVATION VIEW

ROUNDED BUFFER END (E3)



TYPE 2 GUARDRAIL (E1)



CABLE ASSEMBLY

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

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6

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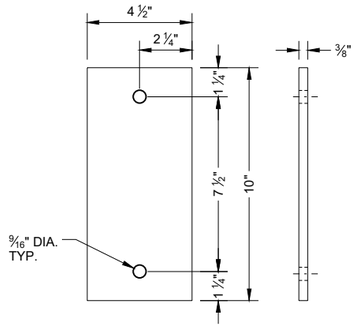
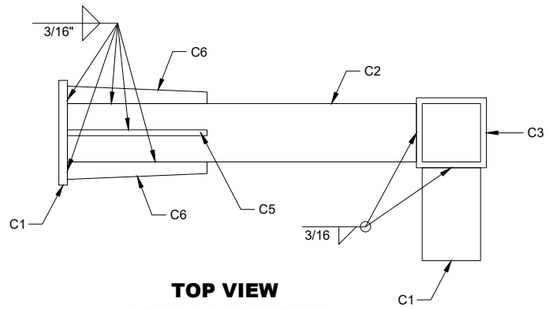
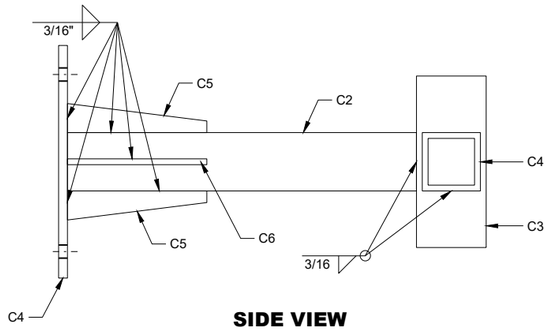


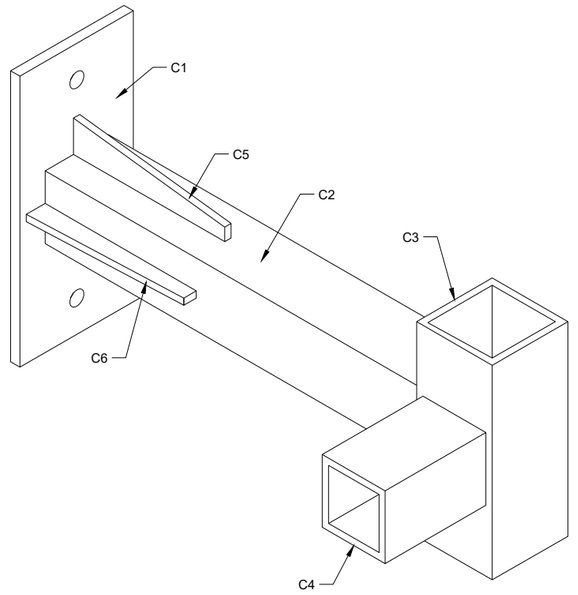
ARM PLATE (C1)



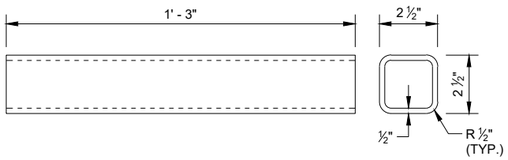
TOP VIEW
ARM ASSEMBLY



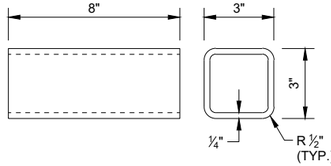
SIDE VIEW
ARM ASSEMBLY



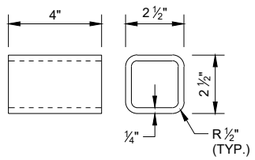
ISOMETRIC VIEW
ARM ASSEMBLY



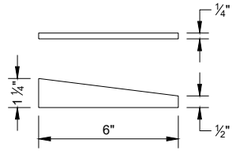
ARM TUBE 1 (C2)



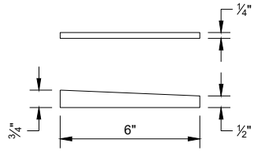
ARM TUBE 2 (C3)



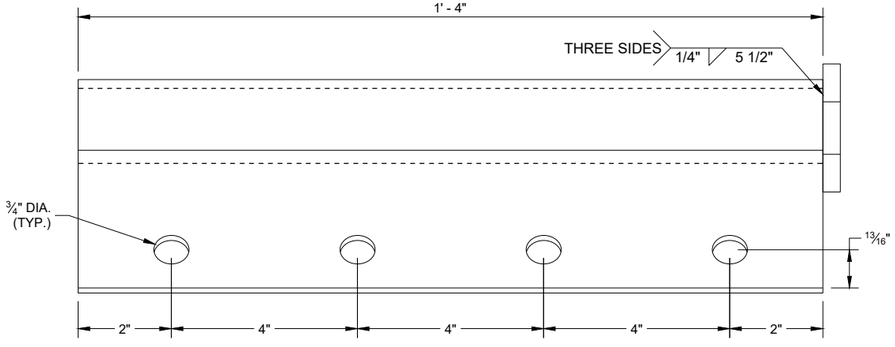
ARM TUBE 3 (C4)

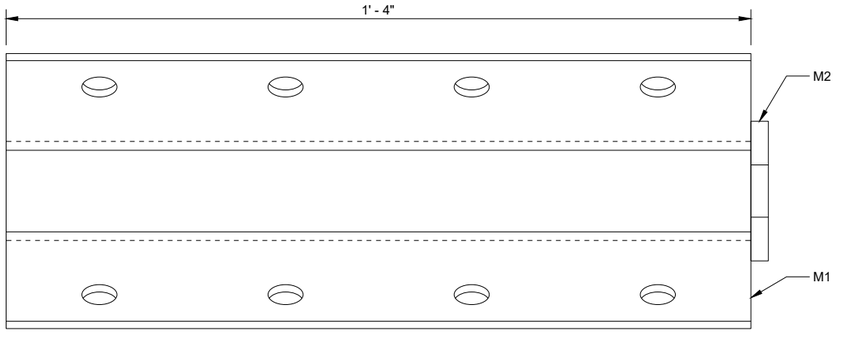


ARM GUSSET PLATE 1 (C5)

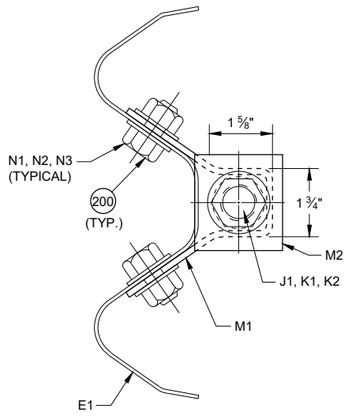


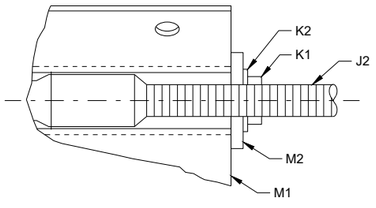
ARM GUSSET PLATE 2 (C6)



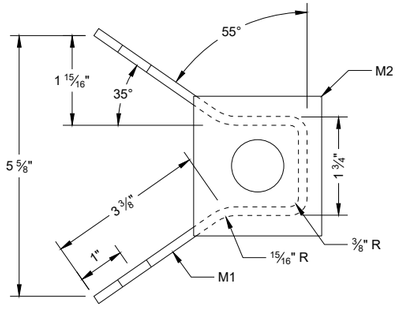


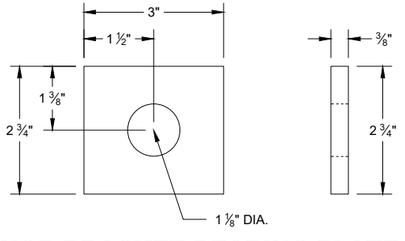
ANCHOR BRACKET (M1, M2)





SECTION A - A





ANCHOR BRACKET BEARING PLATE (M2)

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

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BILL OF MATERIALS - TYPE 2 TERMINAL (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
A1	TYPE 2 FOUNDATION TUBE	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 8" x 6" x 3/16"
A2	LOWER PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	5/8" THICKNESS
A3	POST GUSSET	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/4" THICKNESS
A4	UPPER PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	3/4" THICKNESS
A5	TYPE 2 POST	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI, w6x9 or w6x8.5	
B1	BREAKAWAY BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD ASTM F3125 GRADE A325 TYPE 1 HEAVY HEX HEAD OR SAE J429 GRADE 5 HEAVY HEX HEAD / ASTM A449 TYPE 1 HEAVY HEX HEAD. BOLTS MAY BE FULLY THREADED . PROVIDE ENOUGH THREADING FOR PROPER TIGHTENING OF BOLT.	7/16" DIA.
B2	BREAKAWAY BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	7/16" DIA.
B3	BREAKAWAY BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291/ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
C1	ARM ASSEMBLY PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	3/8" THICKNESS
C2	ARM ASSEMBLY TUBE 1	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 8" x 6" x 3/16"
C3	ARM ASSEMBLY TUBE 2	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 3" x 3" x 1/4"
C4	ARM ASSEMBLY TUBE 3	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 2 1/2" x 2 1/2" X 1/4"
C5	ARM ASSEMBLY GUSSET PLATE 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/4" THICKNESS
C6	ARM ASSEMBLY GUSSET PLATE 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/4" THICKNESS
D1	ARM ASSEMBLY BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	1/2" DIA.
D2	ARM ASSEMBLY WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	1/2" DIA.
D3	ARM ASSEMBLY NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	1/2" DIA.
E1	TYPE 2 GUARD RAIL	AASHTO M180 CLASS A TYPE 2 12 GAUGE APPROVED PRODUCER	
E2	BEAM GUARD RAIL	AASHTO M180 CLASS A TYPE 2 12 GAUGE APPROVED PRODUCER	
E3	BEAM GUARD ROUNDED BUFFER END	AASHTO M180 CLASS A TYPE 2 12 GAUGE APPROVED PRODUCER	
F1	POST BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC UNC HEAVY HEX HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	5/8" DIA.
F2	POST BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	5/8" DIA.
F3	POST BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291/ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
G1	GROUND STRUT CHANNEL	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/2" x 11 3/4" x 10 GAUGE
G2	GROUND STRUT CONNECTOR	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/4" THICKNESS
G3	GROUND STRUT PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/2" THICKNESS

BILL OF MATERIALS - TYPE 2 TERMINAL (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
H1	GROUND STRUT BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	7/8" DIA.
H2	GROUND STRUT BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	7/8" DIA.
H3	GROUND STRUT BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD 5/8" ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	
J1	BCT CABLE	AASHTO M30 / ASTM A741 6 x 19 INDEPENDENT WIRE CORE (IWRC) IMPROVED PLOW STEEL (IPS), 6 x 19 INDEPENDENT WIRE CORE (IWRC) IMPROVED PLOW STEEL (IPS) TYPE II OR IIC, CLASS C ZINC COATED MIN. BREAKING STRENGTH OF 42.7 KIPS	**3/4" DIA.**
J2	BCT CABLE	UNC 1" ASTM A576 GRADE 1035 SWAGE FITTINGS ARE TO BE FACTORY SWEDGED. MIN BREAKING STRENGTH OF 42.7 KIPS ASME B30.26 "FORGED, CAST, OR DIE STAMPED WITH THE FOLLOWING IN TO CONNECTION: NAME OF MANUFACTURE OR TRADEMARK OF CONNECTION'S MANUFACTURER, SIZE OR RATED LOAD, GRADE FOR ALLOY EYEBOLTS."	
K1	CABLE ASSEMBLY NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	1" DIA.
K2	CABLE ASSEMBLY WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1	1" DIA.
L1	BEARING PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	5/8" THICKNESS
L2	BEARING PLATE FLANGE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1" THICKNESS
M1	BEAM GUARD ANCHOR BRACKET	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	
M2	BEAM GUARD ANCHOR END PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	3/8" THICKNESS
N1	ANCHOR BRACKET BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC AASHTO M180 HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	5/8" DIA.
N2	ANCHOR BRACKET BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	5/8" DIA.
N3	ANCHOR BRACKET BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 /ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
P1	FOUNDATION TUBE BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	1/2" DIA.
Q1	SPLICE BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC AASHTO M180 HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	
Q2	SPLICE NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	5/8" DIA.

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SDD 14B47 - 05g

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

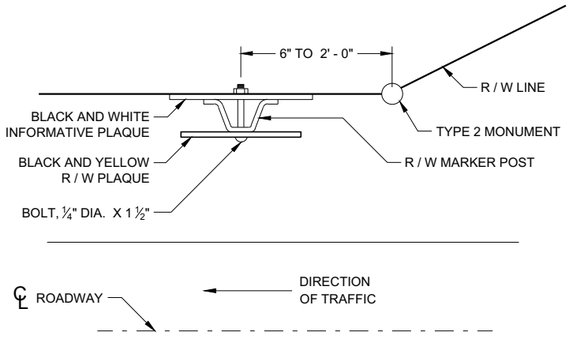
May 2023
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

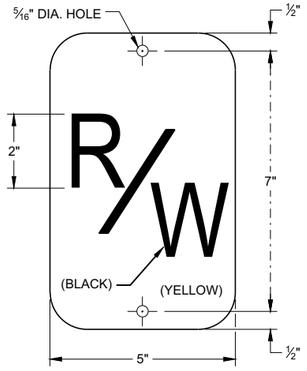
FHWA

6

SDD 14B47 - 05g



PLAN VIEW
STEEL MARKER POST



R / W PLAQUE

THE RIGHT-OF-WAY PLAQUE AND INFORMATIVE PLAQUE WILL BE FURNISHED BY THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

INFORMATIVE PLAQUE

GENERAL NOTES

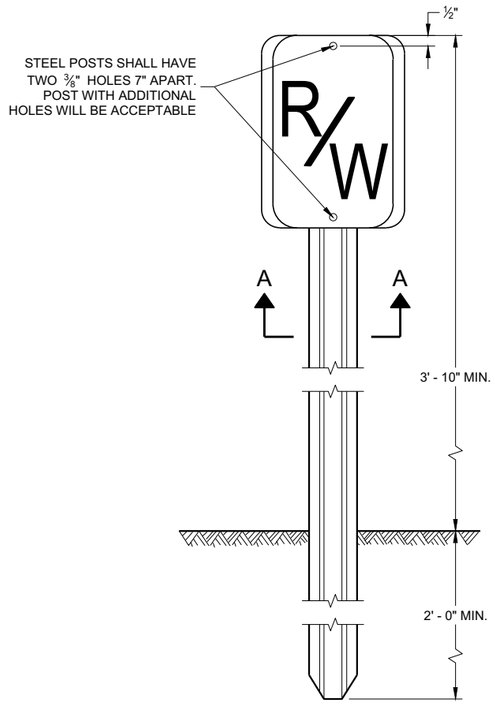
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

A STEEL MARKER POST FOR RIGHT -OF-WAY SHALL BE PLACED IN THE RIGHT-OF-WAY WITH THE BACK OF THE POST ON THE LONGER RIGHT-OF-WAY TANGENT, 6 INCHES TO 24 INCHES FROM EACH TYPE 2 MONUMENT TO SERVE AS A GUARD POST, AND AT OTHER LOCATIONS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

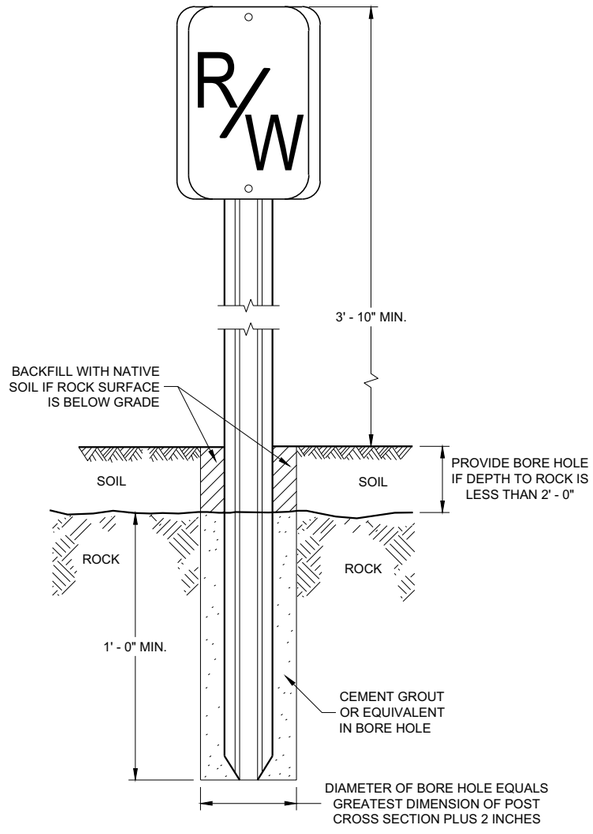
THE "R/W" PLAQUE SHALL FACE THE ROADWAY AND THE INFROMATIVE PLAQUE SHALL FACE AWAY FROM THE ROADWAY. "R/W" AND INFORMATIVE PLAQUES WILL BE FURNISHED BY THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

STEEL MARKER POSTS SHALL MEET THE MINIMUM MATERIAL REQUIREMENTS FOR STEEL DELINEATOR POSTS; EXCEPT POSTS PAINTED WITH FEDERAL YELLOW ENAMEL NEED NOT BE ZINC COATED.

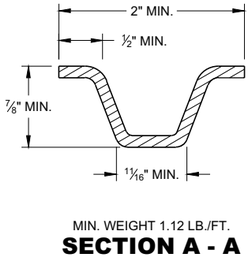
(1) IN AREAS OF SOLID ROCK, DRILL A BORE HOLE 2" GREATER THAN THE WIDEST DIMENSION OF THE POST CROSS SECTION INTO THE ROCK A MINIMUM DEPTH OF 12 INCHES. CUT OR SPLICE THE POST SO THAT A MINIMUM LENGTH OF 3' - 10" PROTRUDES ABOVE THE GROUND. BLOW OUT THE BORE HOLE IN THE ROCK USING COMPRESSED AIR. FILL THE BORE HOLE WITH CEMENT GROUT OR EQUIVALENT, DEPENDING ON THE STABILITY OF THE ROCK.



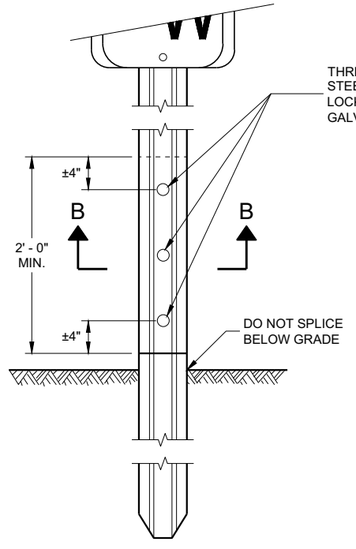
FRONT VIEW
STEEL MARKER POST



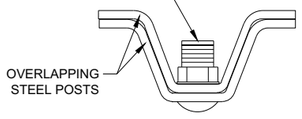
FRONT VIEW
ROCK INSTALLATION (1)



MIN. WEIGHT 1.12 LB./FT.
SECTION A - A



FRONT VIEW
SPLICE DETAIL



SECTION B - B

MARKER POST FOR RIGHT - OF - WAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2/18/2016 — DATE
/S/ Ray Kumapayi — CHIEF SURVEYING AND MA ENGINEER
FHWA

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SDD 15A01 - 13a

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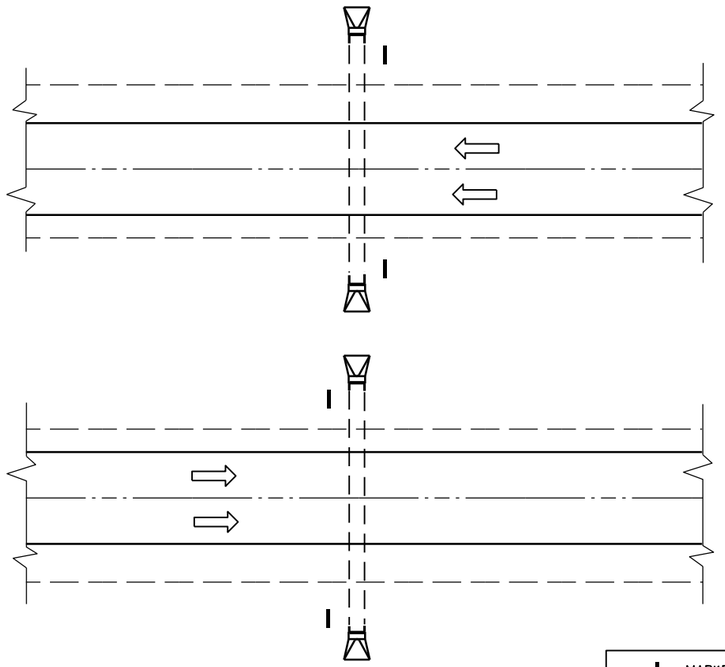
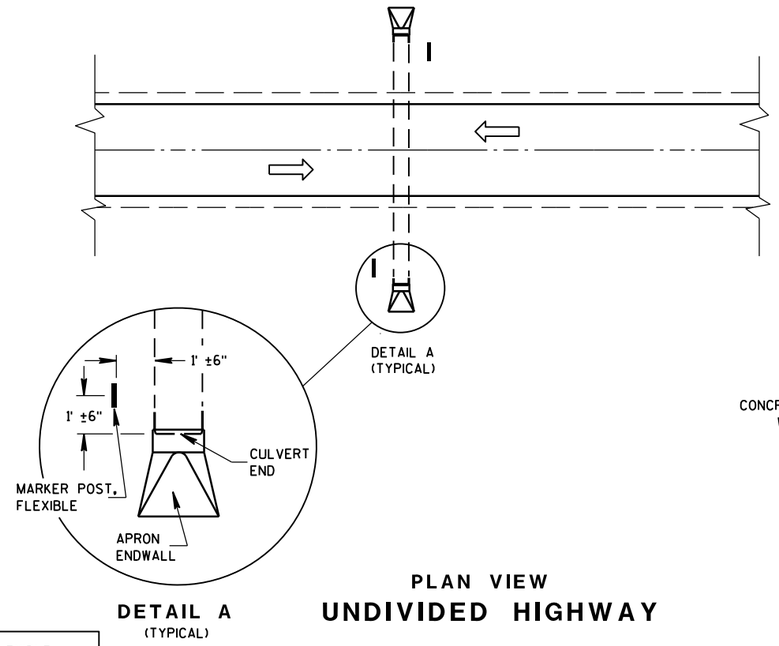
SDD15A01 - 13a



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

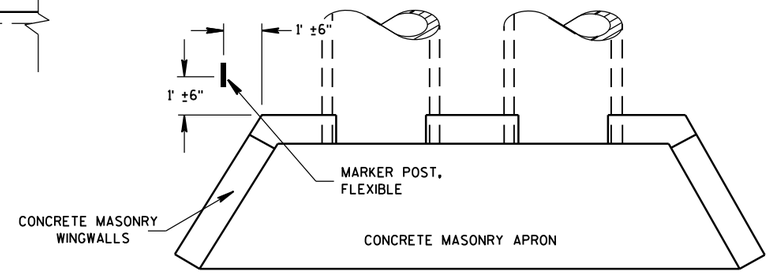
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

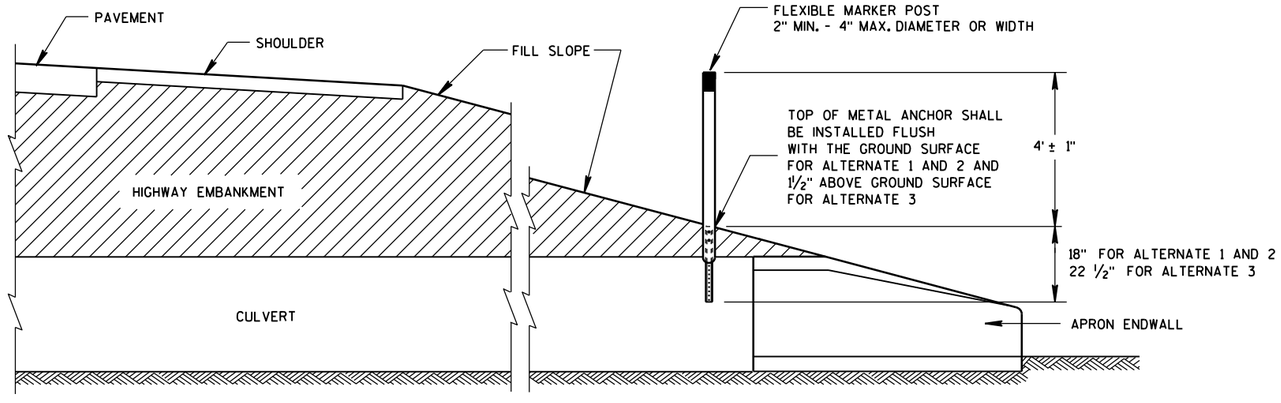
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

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

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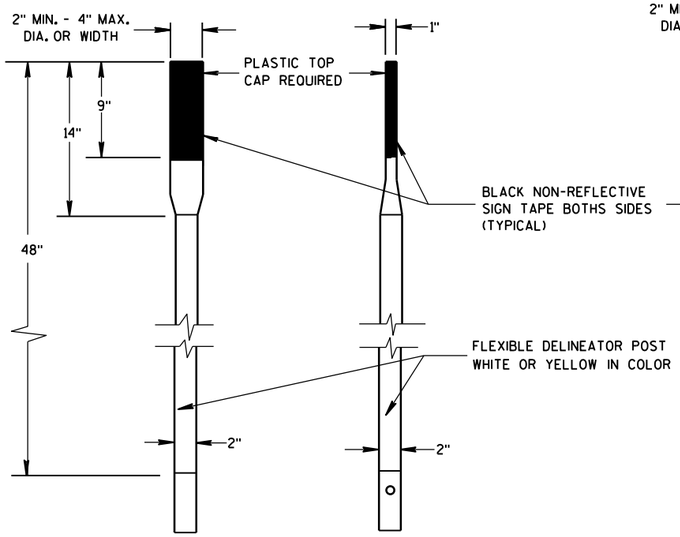
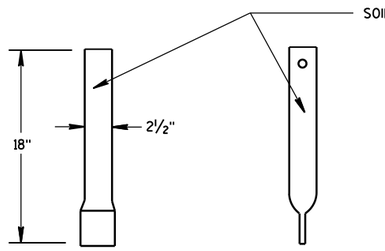
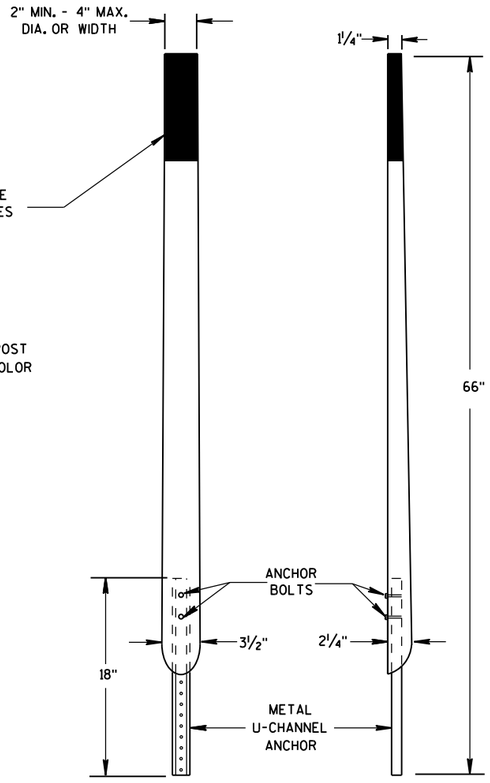
S.D.D. 15 A 3-2a





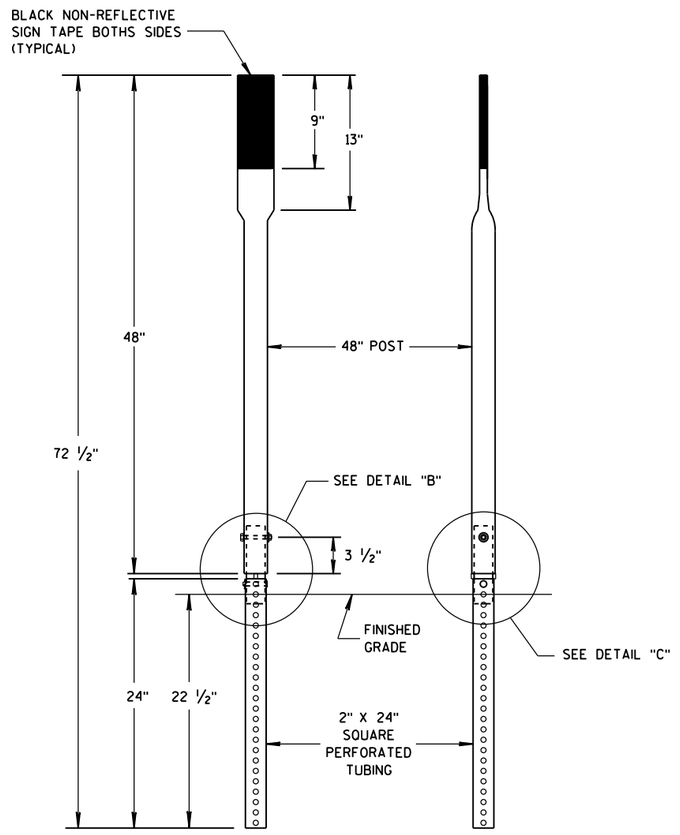
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

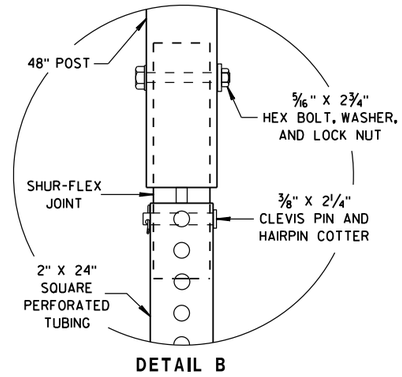
ALTERNATE 2



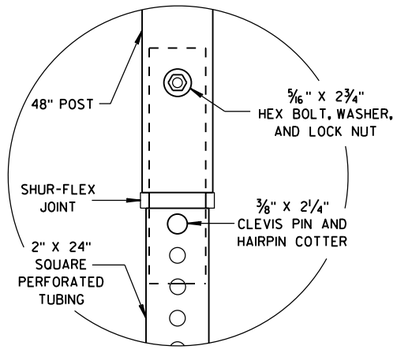
FRONT VIEW SIDE VIEW

ALTERNATE 3

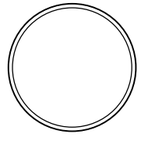
FLEXIBLE MARKER POSTS



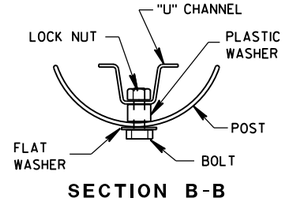
DETAIL B



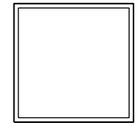
DETAIL C



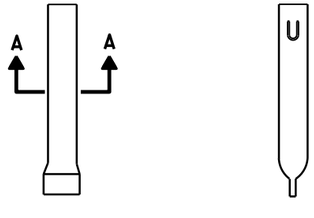
SECTION A-A



SECTION B-B

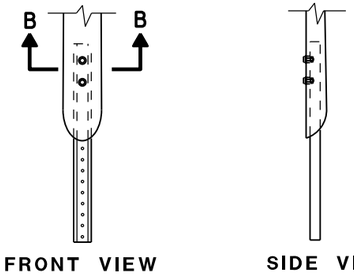


SECTION C-C



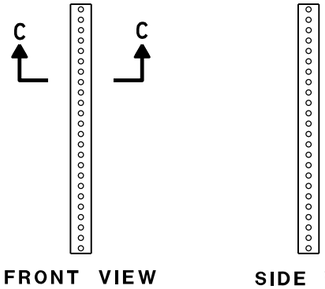
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

ALTERNATE 2



FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6

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

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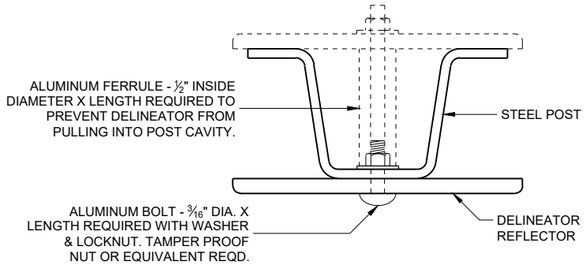
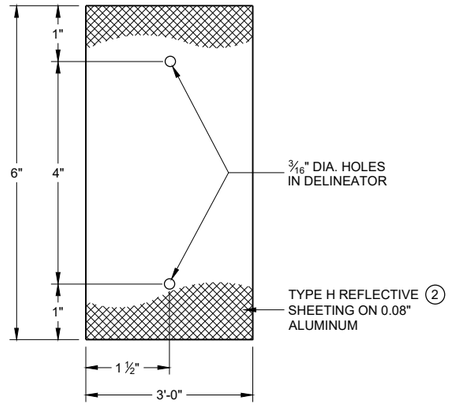
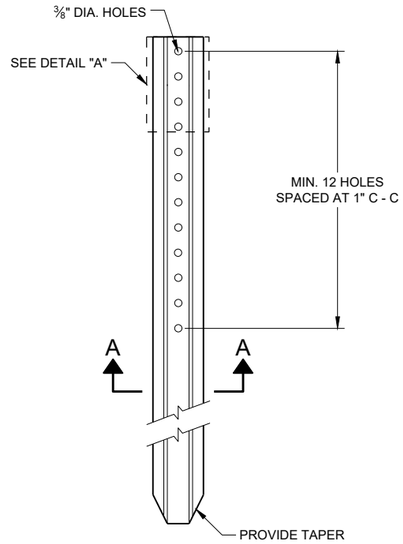
S.D.D. 15 A 3-2b



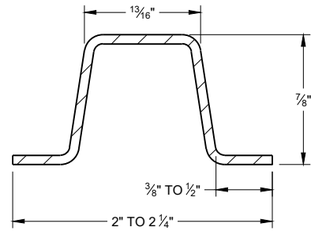
MOUNTING DETAIL FOR DELINEATOR REFLECTOR



DETAIL "A" 3" X 6" DELINEATOR REFLECTOR



DELINEATOR POST



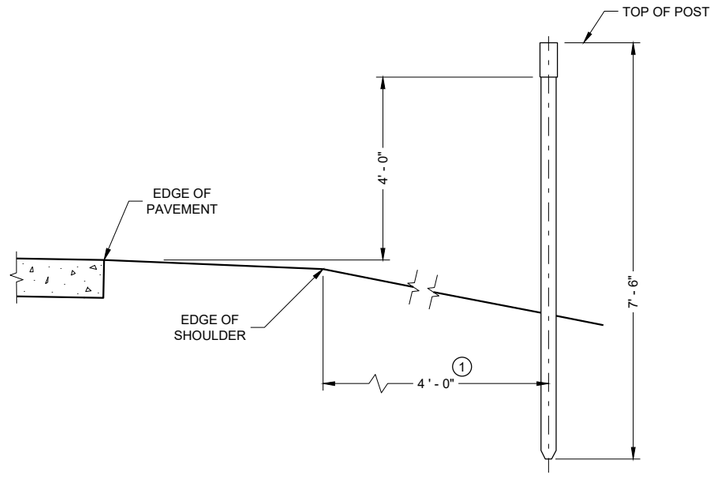
SECTION A - A

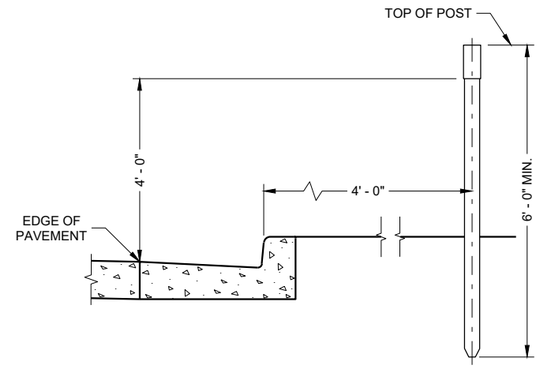
WEIGHT 1.12 LBS PER FT. \ 0.1 LB.

REFLECTOR SPACING TABLE

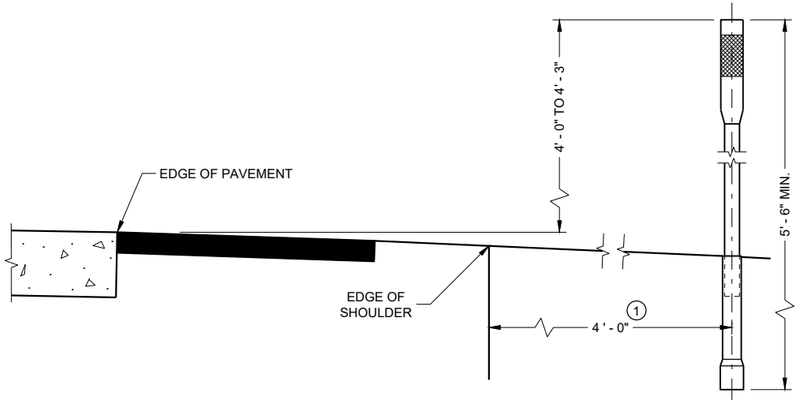
REFLECTOR SPACING	LOCATION
* 100' C-C	RAMPS
400' C-C	MAINLINE

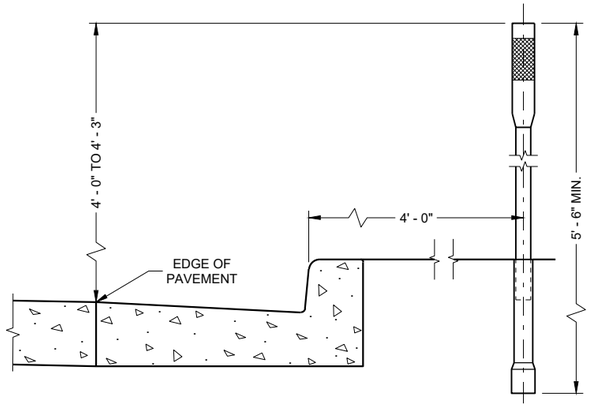
* START AT BEGINNING OF RAMP TAPER AND END AT END OF RAMP TAPER





TYPICAL INSTALLATIONS OF DELINEATOR POSTS





TYPICAL INSTALLATIONS OF FLEXIBLE DELINEATOR POSTS

GENERAL NOTES

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

1. DELINEATORS SHALL BE PLACED AT A CONSTANT DISTANCE FROM THE EDGE OF THE SHOULDER FOR THE LENGTH OF THE INSTALLATION.
2. FURNISH TYPE H SHEETING FROM THE APPROVED PRODUCTS LIST.

DELINEATOR POST WITH REFLECTIVE SHEETING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

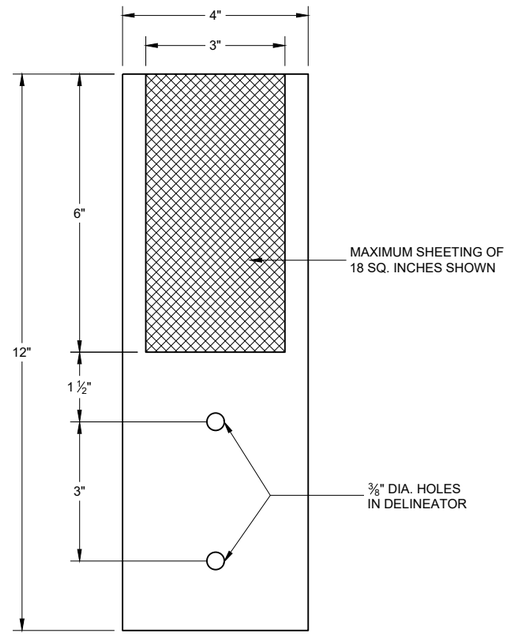
APPROVED
November 2021
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

6

SDD 15A04 - 07c



4" x 12" DELINEATOR
WITH REFLECTIVE SHEETING

6

6

SDD 15A04 - 07e

SDD15A04 - 07e

DELINEATOR
WITH REFLECTIVE SHEETING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

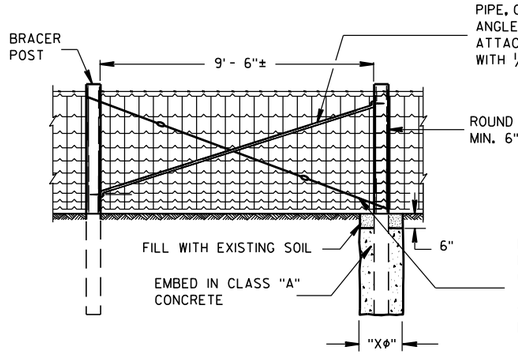
November 2021
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

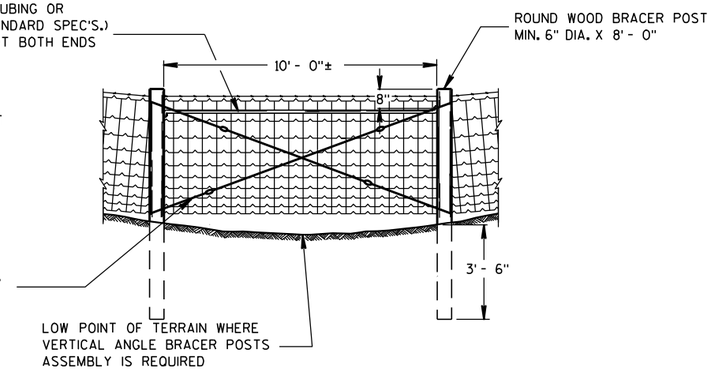
FHWA

NOTE: PULL OR STRETCHER POST ASSEMBLIES SHALL BE PLACED MIDWAY BETWEEN END POSTS AND CORNER POSTS WHERE A RUN OF FENCE EXCEEDS 660' BUT IS LESS THAN 1,320'. FOR RUNS OF FENCE IN EXCESS OF 1,320' MAXIMUM SPACING OF PULL OR STRETCHER POST ASSEMBLIES SHALL BE 660'± C-C.

ILLUSTRATION SHOWS POSITION OF STANDARD STEEL BRACE, DOUBLE STRAND GALVANIZED WIRE, AND THE POST TO BE EMBEDDED IN CONCRETE WHEN WIRE FENCE IS INSTALLED FROM LEFT TO RIGHT. THE BRACES SHALL BE POSITIONED ON THE OPPOSITE DIAGONALS AND THE OPPOSITE POST SHALL BE EMBEDDED IN CONCRETE WHEN WIRE FENCE IS INSTALLED FROM RIGHT TO LEFT.



PULL OR STRETCHER POSTS ASSEMBLY



VERTICAL ANGLE BRACER POSTS ASSEMBLY

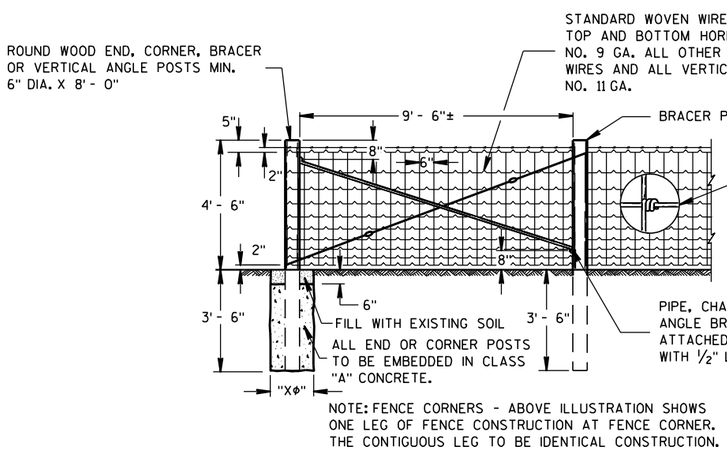
GENERAL NOTES

"XΦ" = DIAMETER OF THE POST PLUS 12".

FENCE STAPLES SHOULD NEVER BE DRIVEN VERTICALLY INTO WOOD POSTS (WITH BOTH LEGS PARALLEL WITH THE WOOD GRAIN). DOING SO CAN SEPARATE THE GRAIN AND SIGNIFICANTLY REDUCE THE HOLDING POWER. ROTATING THE STAPLES SLIGHTLY OFF VERTICAL STRADDLES THE GRAIN AND PROVIDES MORE RESISTANCE TO PULL-OUT.

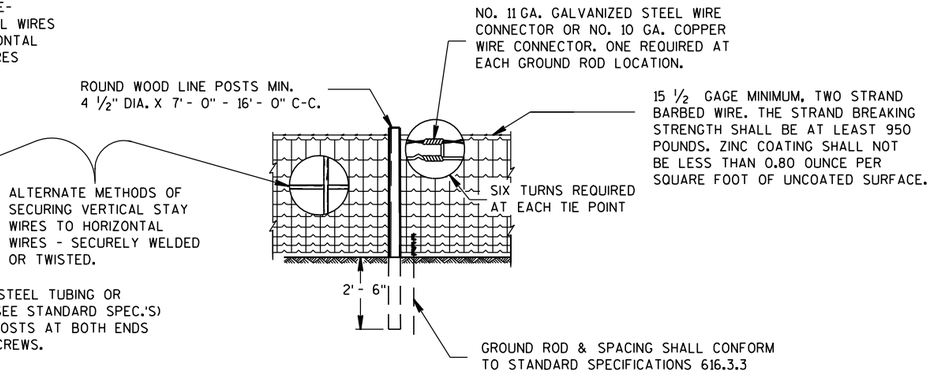
DO NOT STAPLE WIRE TIGHT TO THE LINE POSTS. ALLOW MOVEMENT OF WIRE FOR EXPANSION AND CONTRACTION. STAPLE ARRANGEMENT SHALL BE THE SAME FOR ALL OTHER POSTS EXCEPT THAT THEY SHALL BE DRIVEN TIGHT TO POSTS. ALL STAPLES SHALL BE 2" X 9 GAGE AND SHALL BE MANUFACTURED FROM GALVANIZED WIRE OR HOT DIP GALVANIZED AFTER FORMING. STAPLES SHALL HAVE SLASH-CUT POINTS.

FENCE SHALL BE LOCATED 3'-0" INSIDE THE RIGHT OF WAY LINE UNLESS OTHERWISE INDICATED ON THE PLANS.



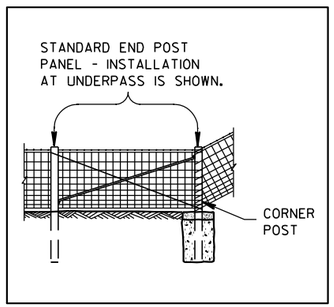
NOTE: FENCE CORNERS - ABOVE ILLUSTRATION SHOWS ONE LEG OF FENCE CONSTRUCTION AT FENCE CORNER. THE CONTIGUOUS LEG TO BE IDENTICAL CONSTRUCTION.

END OR CORNER POSTS ASSEMBLY

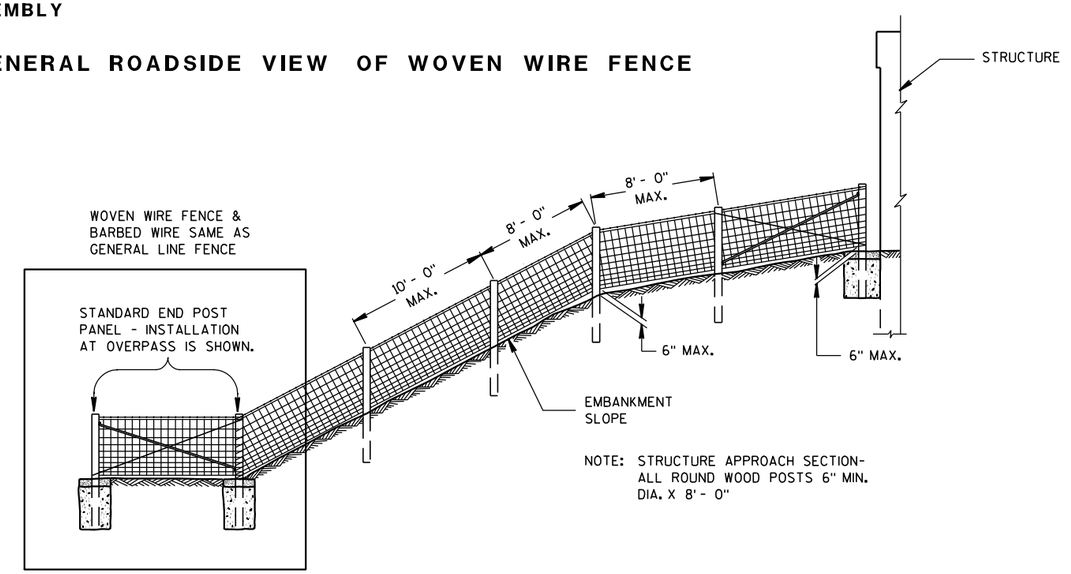


LINE FENCE CONSTRUCTION

GENERAL ROADSIDE VIEW OF WOVEN WIRE FENCE



ALTERNATE FENCE DESIGN AT STRUCTURE



NOTE: STRUCTURE APPROACH SECTION- ALL ROUND WOOD POSTS 6" MIN. DIA. X 8' - 0"

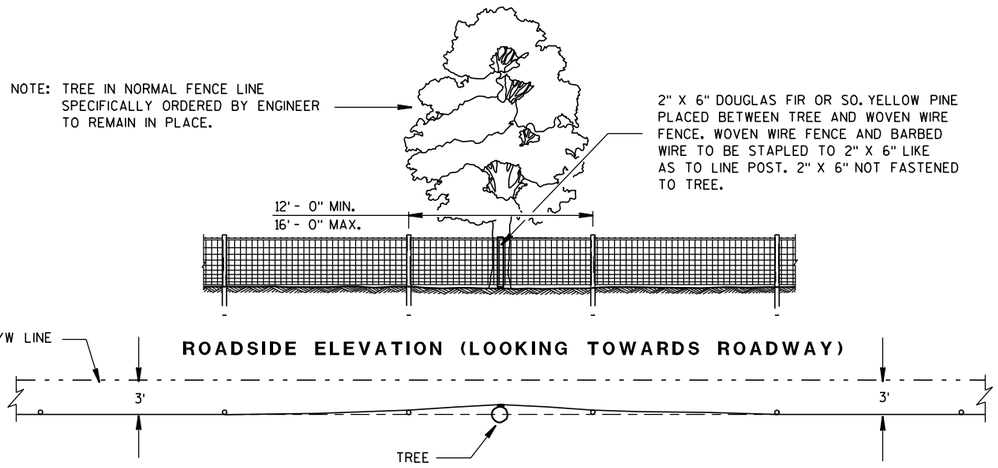
FENCE DESIGN AT STRUCTURE APPROACH

FENCE WOVEN WIRE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

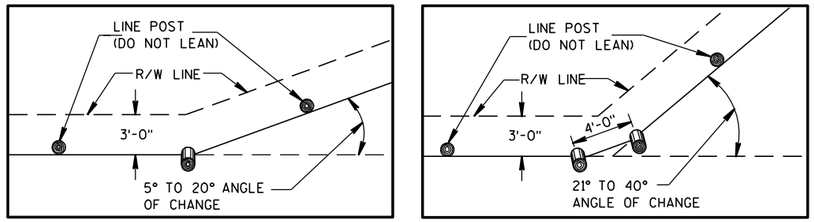
6

S.D.D. 15 B 1-8a



PLAN VIEW

FENCE DESIGN AT TREES REMAINING IN NORMAL FENCE LINE



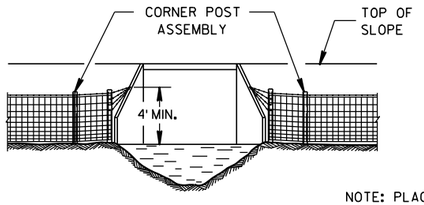
PLAN VIEW
SINGLE POST CORNER

PLAN VIEW
DOUBLE POST CORNER

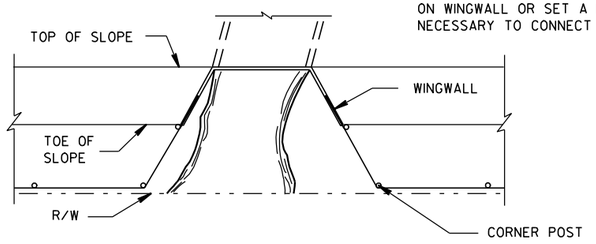
RIGHT OF WAY LINE CHANGE 40° AND LESS

NOTE: SINGLE AND DOUBLE POSTS SHALL BE A MIN. 6" DIA. X 8'-0" WITH A LEAN OF 4" TOWARD THE OUTSIDE OF THE CURVE.

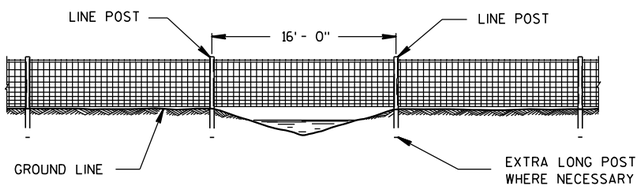
WHEN THE RIGHT OF WAY LINE CHANGE IS MORE THAN 40° USE THE CORNER OR STRETCHER POSTS ASSEMBLY.



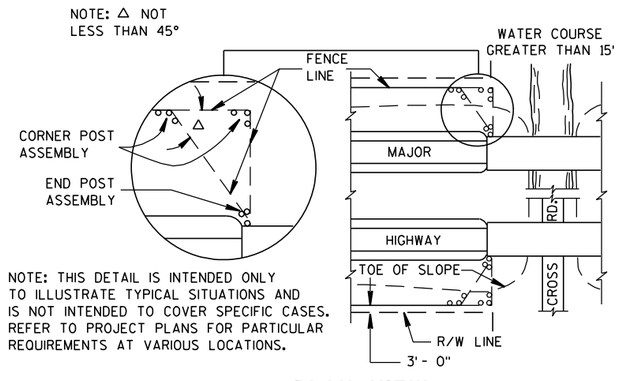
NOTE: PLACE A MINIMUM OF 4 STRANDS OF BARBED WIRE, 6" MAXIMUM CENTERS IN FAN SHAPE CONNECTED TO AN EYE BOLT ON WINGWALL OR SET A LONE POST WHEN NECESSARY TO CONNECT BARBED WIRE.



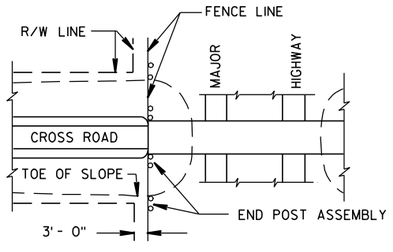
FENCE INSTALLATION TO WINGWALLS



FENCE CONSTRUCTION OVER STREAM COURSES OF 15 FT. OR LESS IN WIDTH



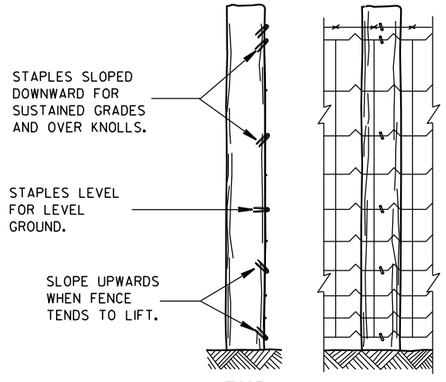
PLAN VIEW
MAJOR HIGHWAY OVERPASS OR STREAM COURSE CROSSING OF GREATER THAN 15 FT. IN WIDTH



PLAN VIEW
MAJOR HIGHWAY UNDERPASS

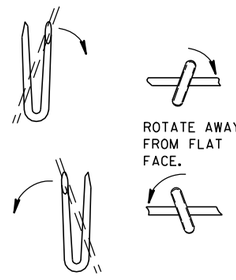
FENCE LOCATION AT STRUCTURES

NOTE: WHEN POSTS ARE DRIVEN THE SMALL END SHALL BE DOWN.



END ELEVATION **FARM SIDE ELEVATION**

FENCE MOUNTING DETAIL



LINE POST

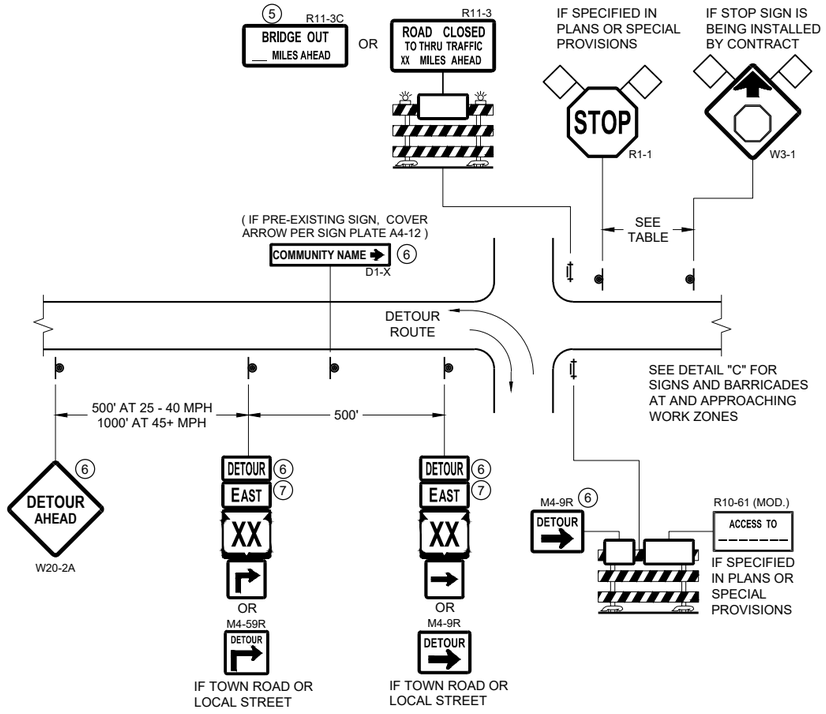
FENCE WOVEN WIRE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/4/2008 — DATE
/S/ Jerry H. ---
ROADWAY STANDARDS ENGINEER
FHWA

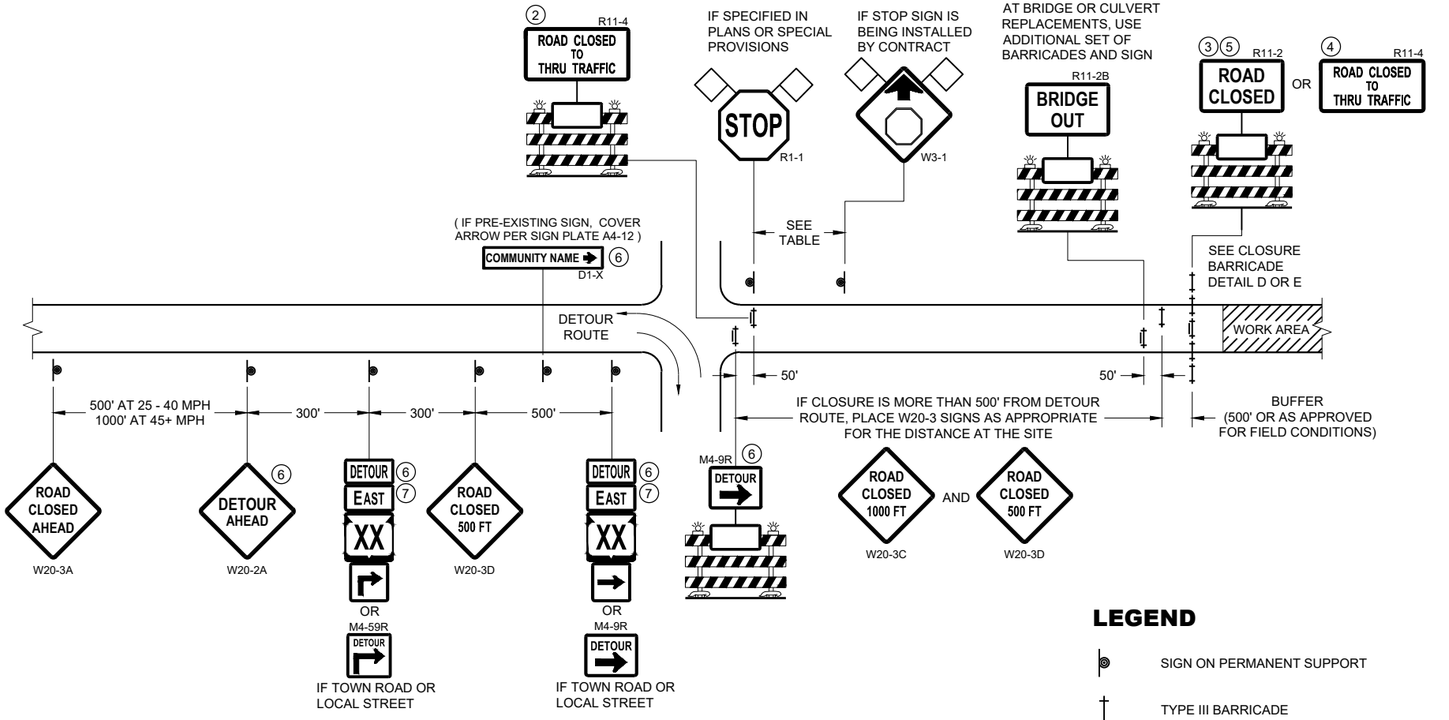
6

S.D.D. 15 B 1-8b



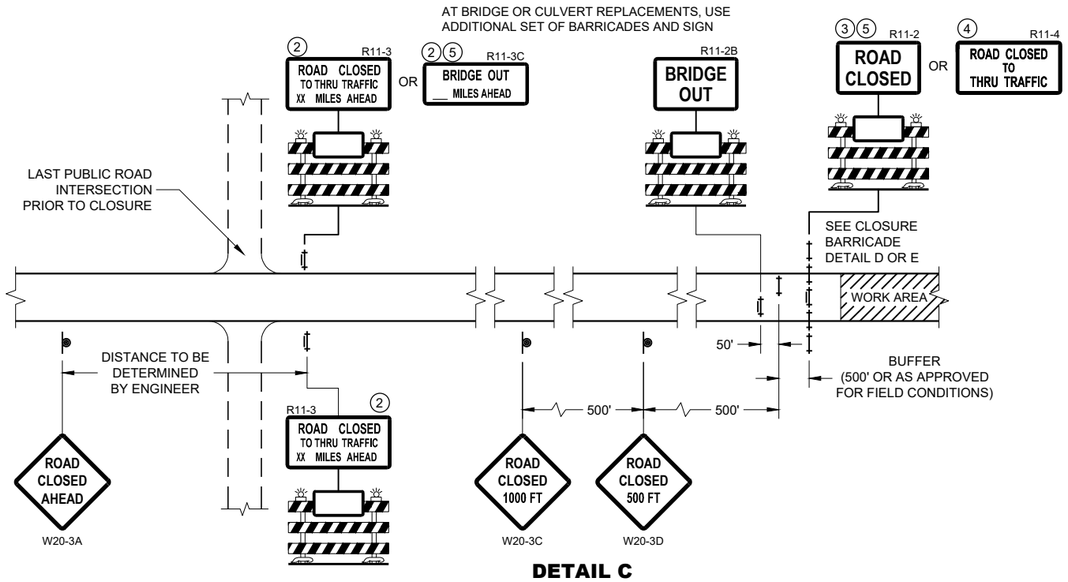
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

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



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

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

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

LEGEND

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

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

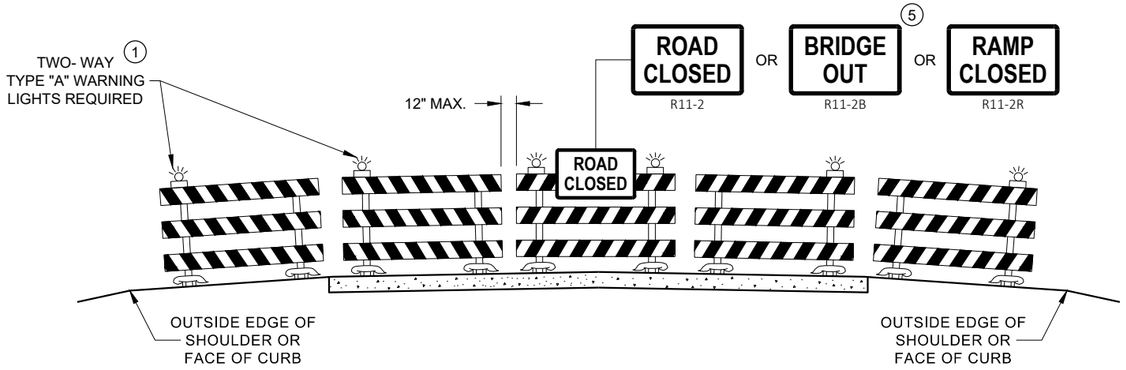
APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

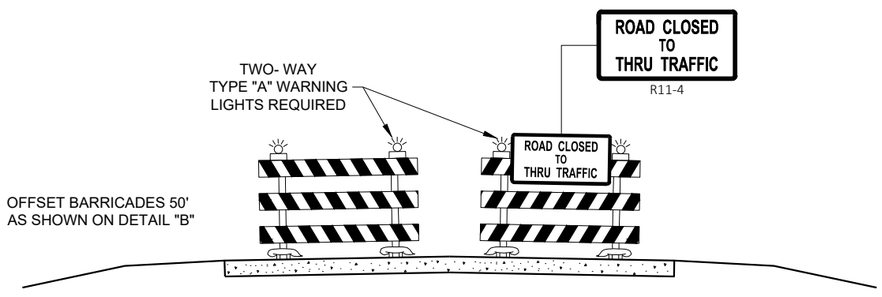
6

SDD 15C02 - 09a

SDD 15C02 - 09a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

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

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

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

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

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

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

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

6

SDD 15C02 - 09b

6

SDD 15C02 - 09b

GENERAL NOTES

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

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

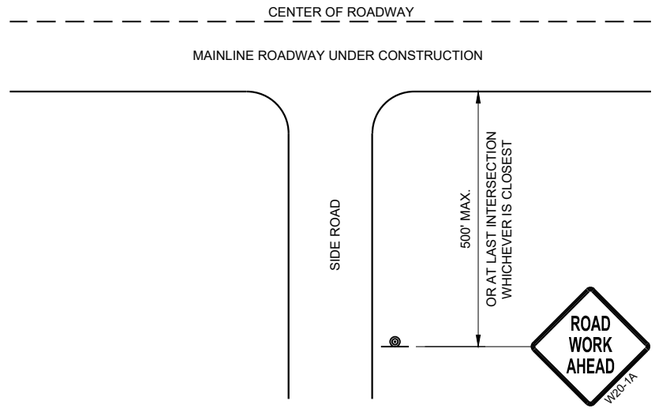
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS

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



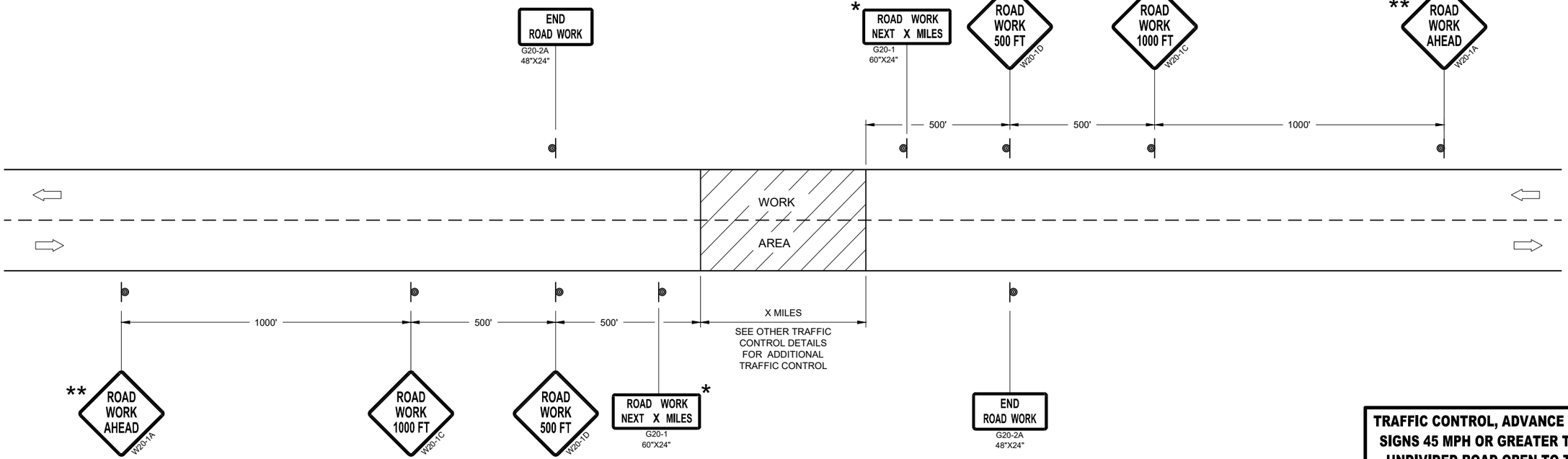
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

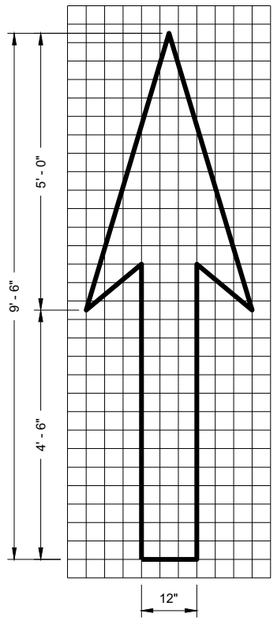
APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

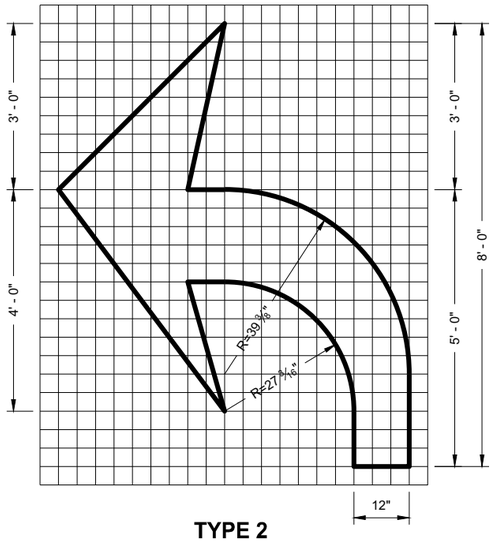
FHWA

6

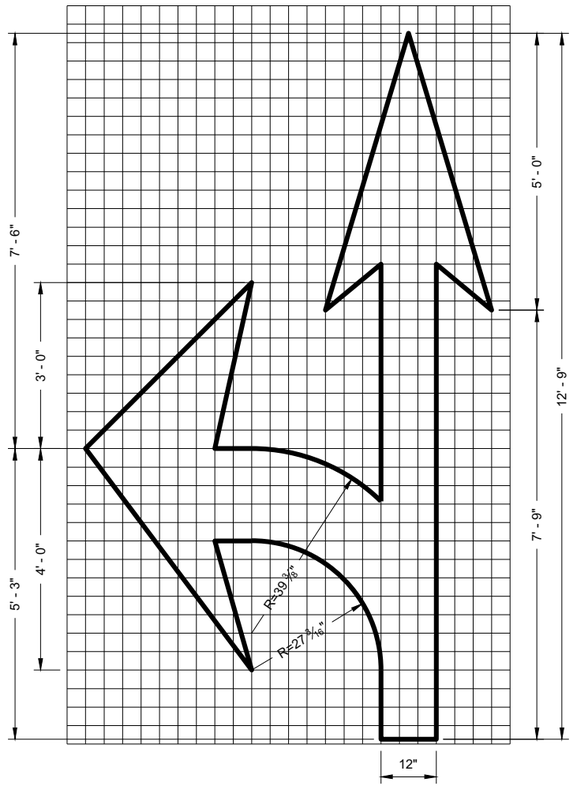
SDD 15C04 - 05



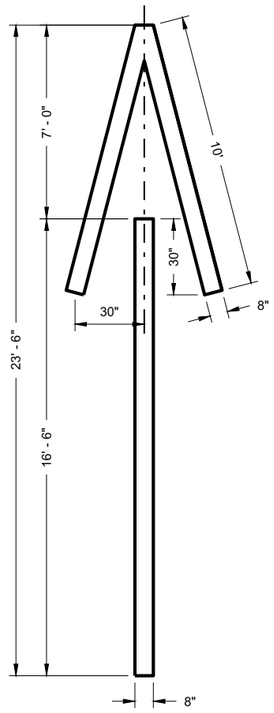
TYPE 1



TYPE 2



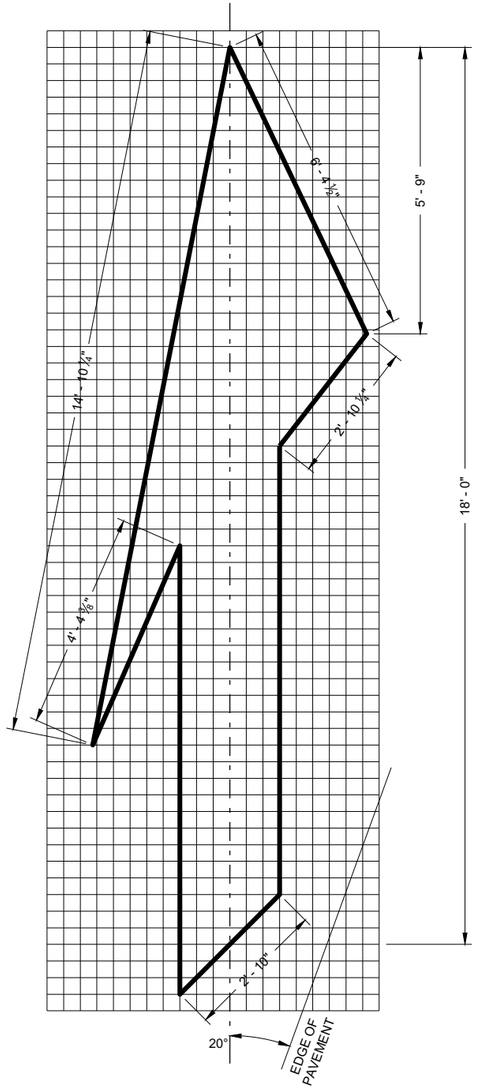
TYPE 3



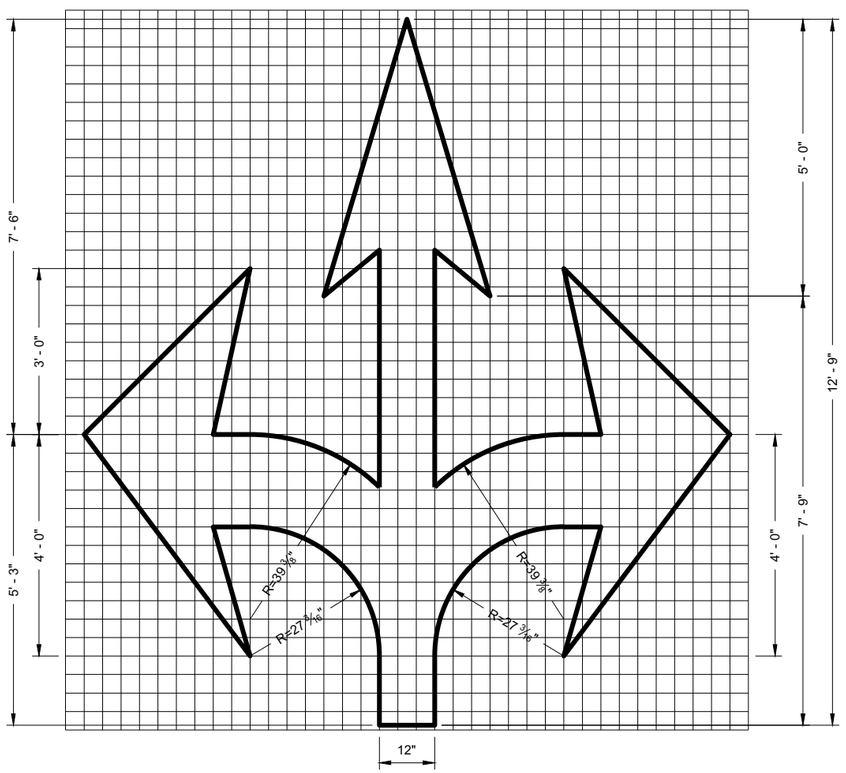
TYPE 4

GENERAL NOTES

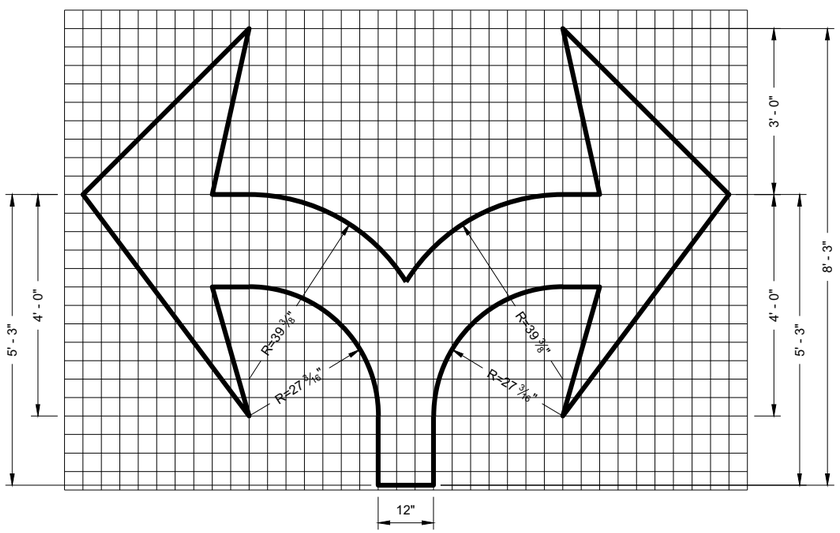
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

253

6

SDD 15C07 - 15c

6

SDD 15C07 - 15c

GENERAL NOTES

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

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING

(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

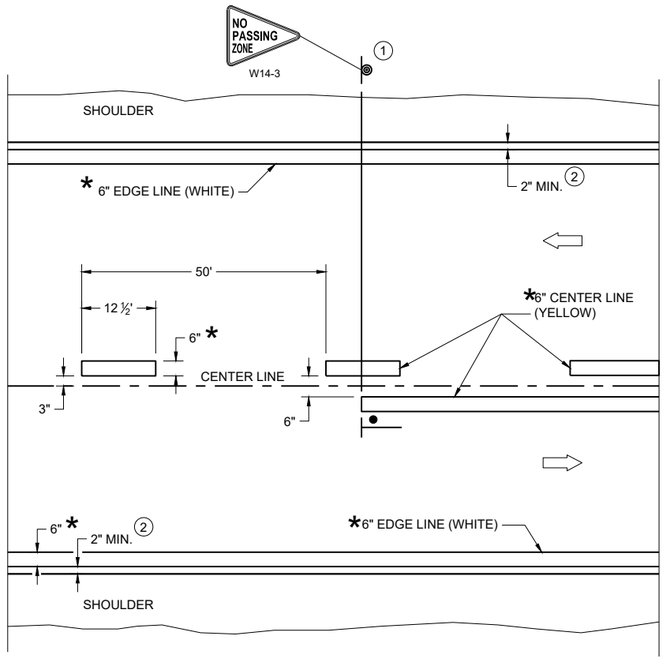
LEGEND

"T" MARKING

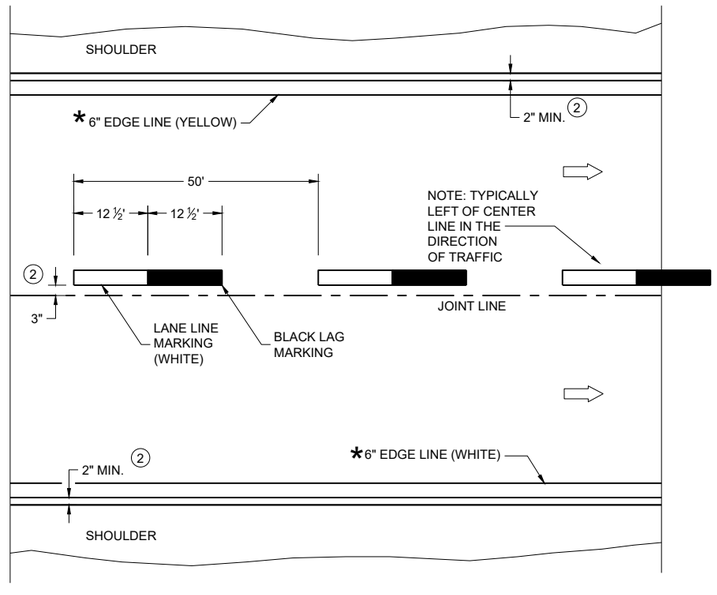
SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

6

SDD 15C08-23a

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

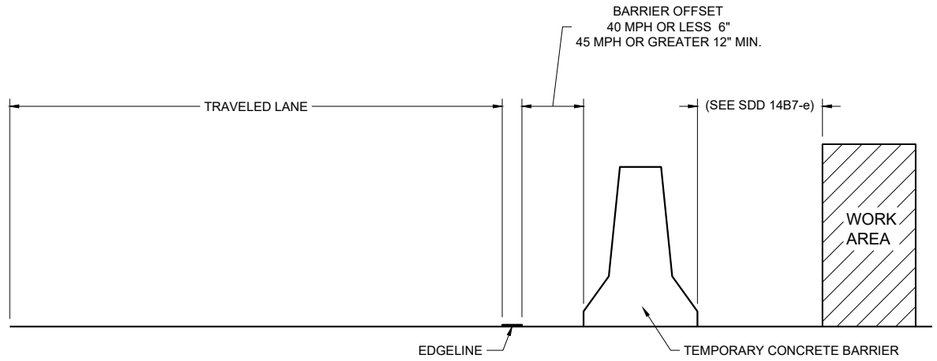
APPROVED
May 2023
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

6

SDD 15C08-23a



TEMPORARY BARRIER OFFSET FROM EDGELINE

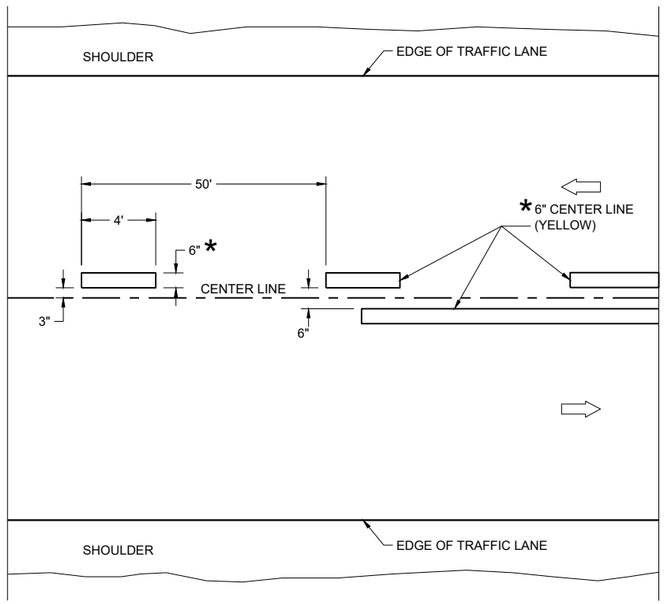
GENERAL NOTES

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

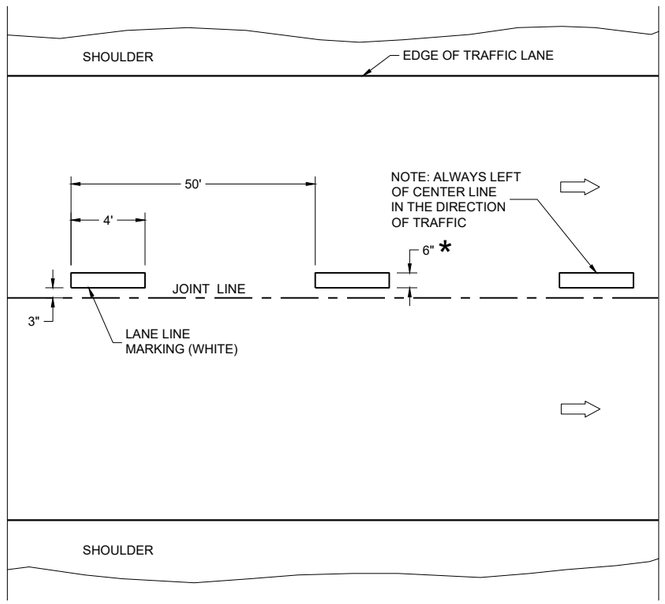
LEGEND

⇨ DIRECTION OF TRAFFIC

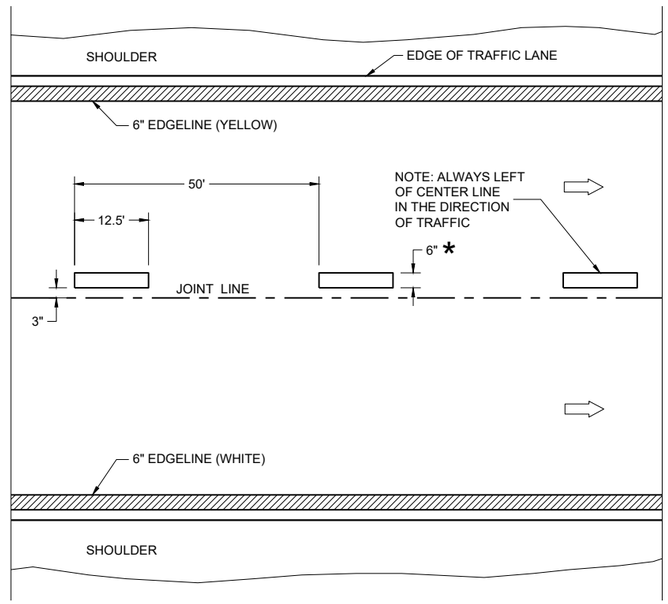
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY TRAFFIC



ONE WAY TRAFFIC



FREEWAYS AND EXPRESSWAYS

TEMPORARY PAVEMENT MARKING

TEMPORARY LONGITUDINAL PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Jeannie Silver — Statewide Pavement Marking Engineer

FHWA

6

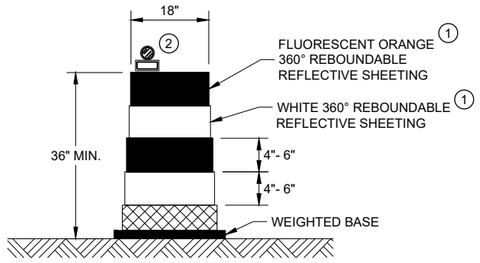
SDD 15C08-23b

6

SDD 15C08-23b

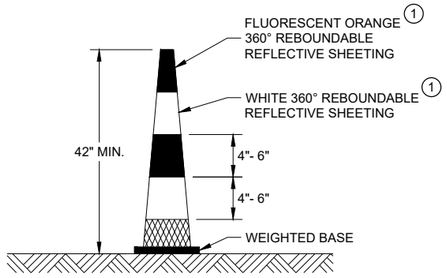
GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

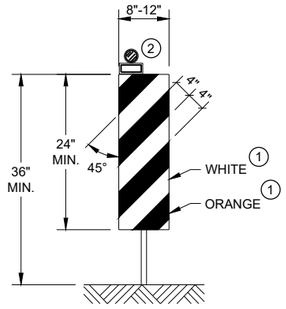
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

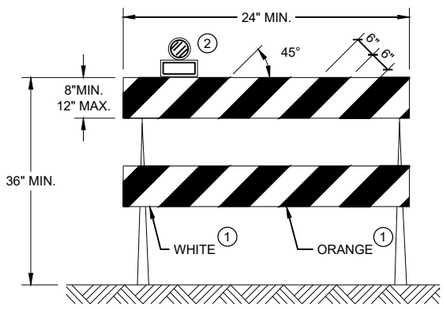
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



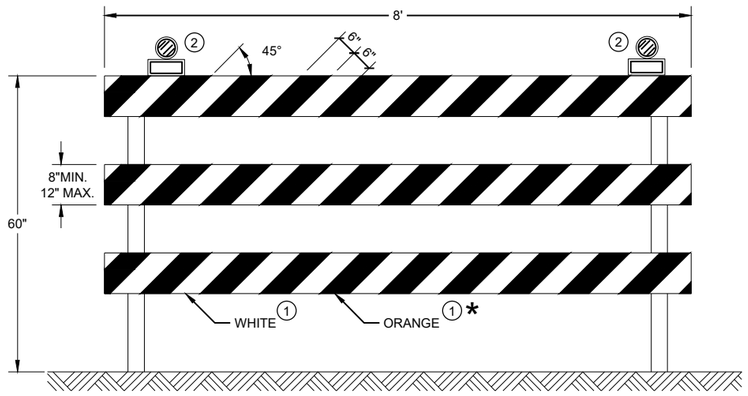
VERTICAL PANEL

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



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

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

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C11 - 10b

6

SDD 15C11 - 10b

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

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

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

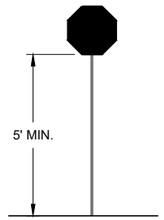
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.



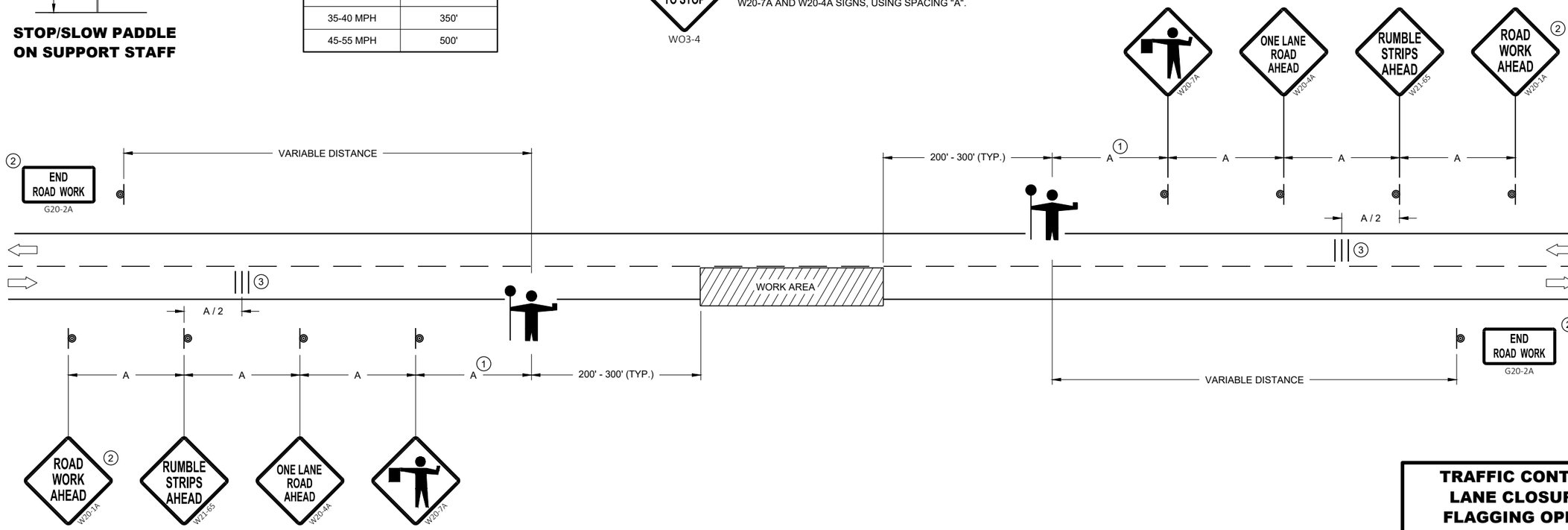
STOP/SLOW PADDLE ON SUPPORT STAFF

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'

WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

257

6

SDD 15C12 - 09a

6

SDD 15C12 - 09a

LEGEND

V1 LEAD VEHICLE

V2 MARKING VEHICLE

V3 SHADOW VEHICLE

TRUCK MOUNTED ATTENUATOR (TMA)

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

FLASHING ARROW PANEL (CAUTION)

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL OPERATING IN CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

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

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

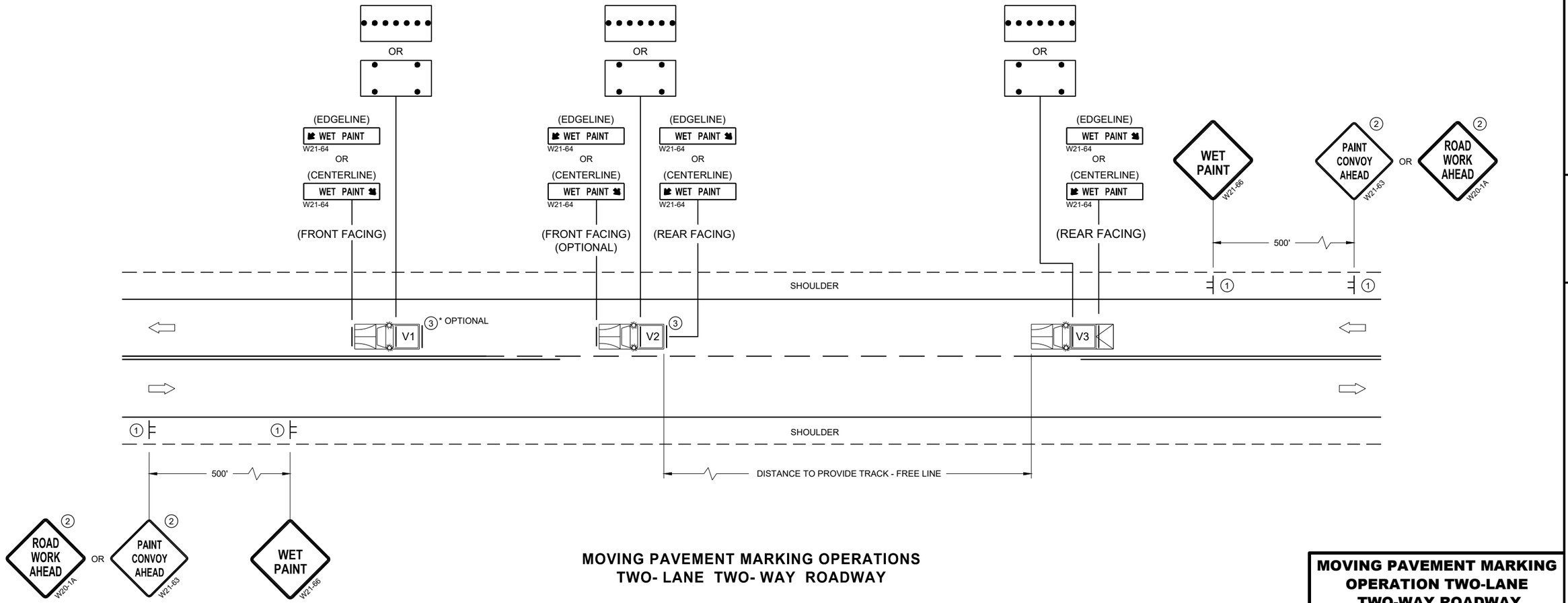
CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL BE A MINIMUM OF 28" FOR WET PAVEMENT MARKING .

(1) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.

(2) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.

(3) V1 AND V2 CAN BE SWITCHED SO THAT THE MARKER IS THE LEAD VEHICLE.



MOVING PAVEMENT MARKING OPERATIONS
TWO- LANE TWO- WAY ROADWAY

MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2023
DATE

/S/ Andrew I . . . .
WORK ZONE EN

FHWA

6

SDD 15C19-08a

6

SDD 15C19-08a

LEGEND

V1 LEAD VEHICLE

V2 MARKING VEHICLE

V3 SHADOW VEHICLE

TRUCK MOUNTED ATTENUATOR (TMA)

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

FLASHING ARROW PANEL (MERGE)

FLASHING ARROW PANEL (CAUTION)

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

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

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

WHEN WORK ACTIVITY BLOCKS THE LEFT LANE, REVERSE TRAFFIC CONTROL.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

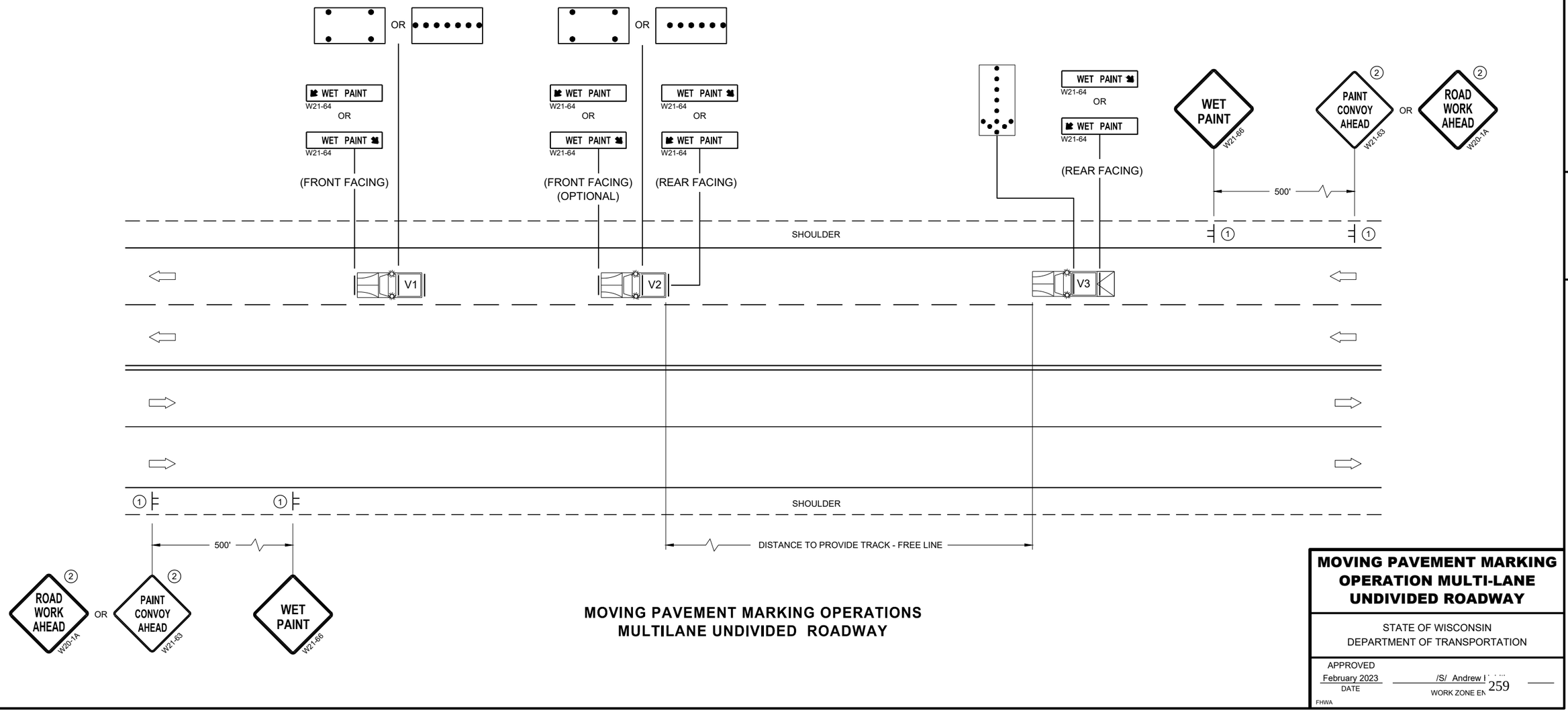
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

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

CONES SHALL HAVE A MINIMUM HEIGHT OF 28" FOR WET PAVEMENT MARKINGS.

(1) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.

(2) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.



MOVING PAVEMENT MARKING OPERATIONS MULTILANE UNDIVIDED ROADWAY

MOVING PAVEMENT MARKING OPERATION MULTI-LANE UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2023
DATE

/S/ Andrew I...
WORK ZONE EN

FHWA

6

SDD 15C19-08b

6

SDD 15C19-08b

LEGEND

V1 MARKING VEHICLE

V2 SHADOW VEHICLE

V3 TRAIL VEHICLE

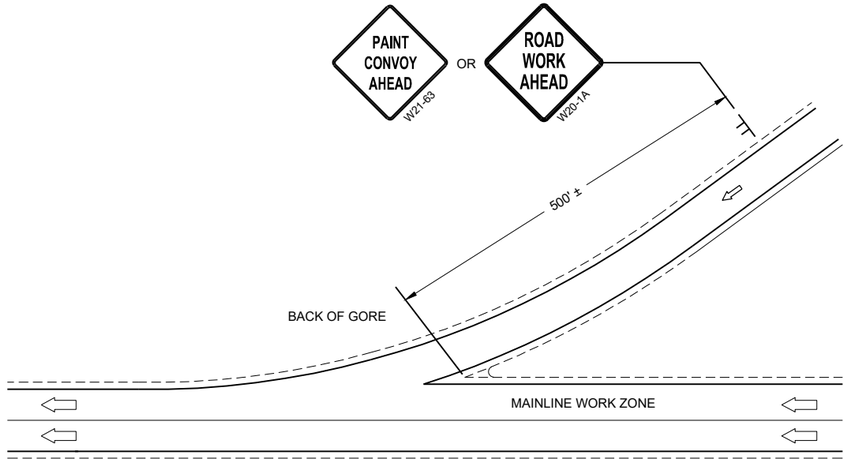
TRUCK MOUNTED ATTENUATOR (TMA)

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

FLASHING ARROW PANEL (MERGE)

FLASHING ARROW PANEL (CAUTION)



GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

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

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

WHEN WORK ACTIVITY BLOCKS THE LEFT LANE, REVERSE TRAFFIC CONTROL.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.

IF THE SHOULDER IS TOO NARROW TO ACCOMMODATE THE LAST TRAILING VEHICLE, THE VEHICLE SHOULD STRADDLE THE EDGE LINE.

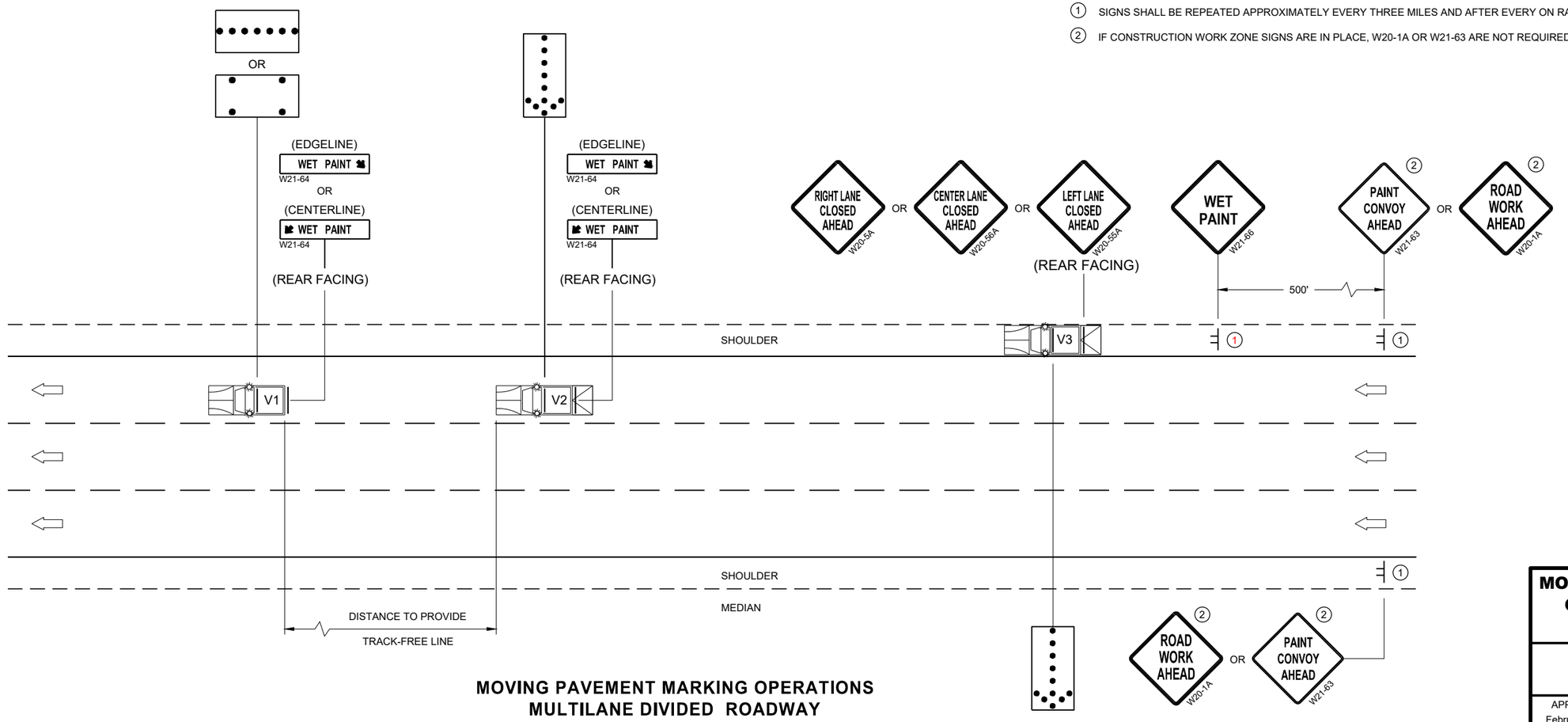
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC

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

CONES SHALL BE A MINIMUM HEIGHT OF 28" FOR WET PAVEMENT MARKINGS

(1) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES AND AFTER EVERY ON RAMP.

(2) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.



MOVING PAVEMENT MARKING OPERATIONS
MULTILANE DIVIDED ROADWAY

MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2023
DATE

/S/ Andrew [illegible]
WORK ZONE EN

FHWA

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SDD 15C19-08c

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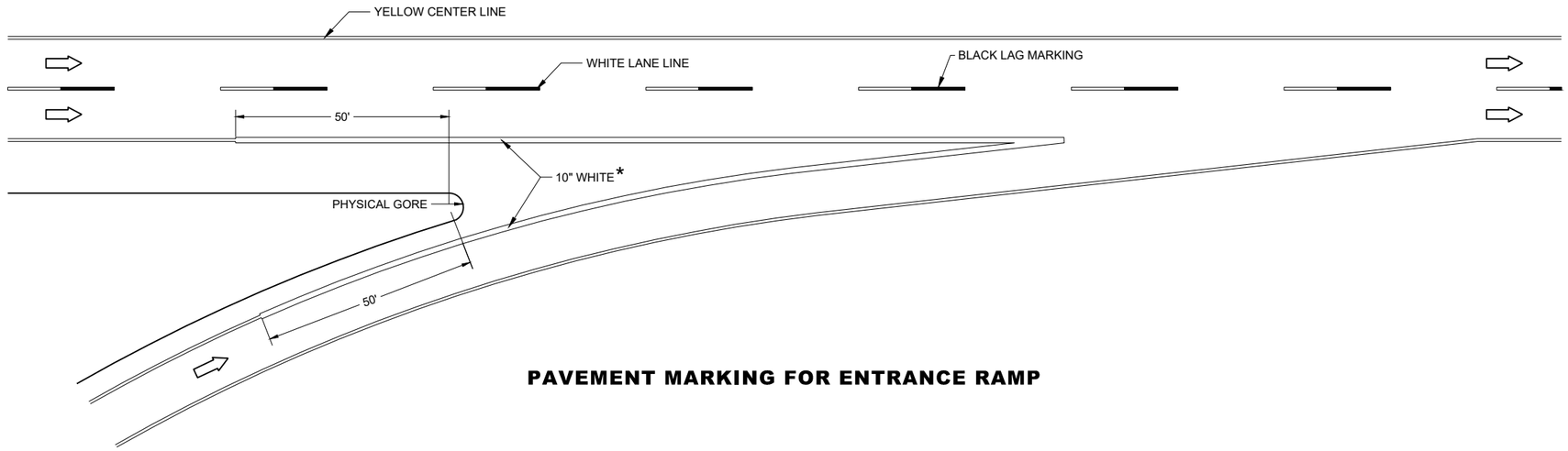
SDD 15C19-08c



PAVEMENT MARKING FOR ENTRANCE RAMP

GENERAL NOTES

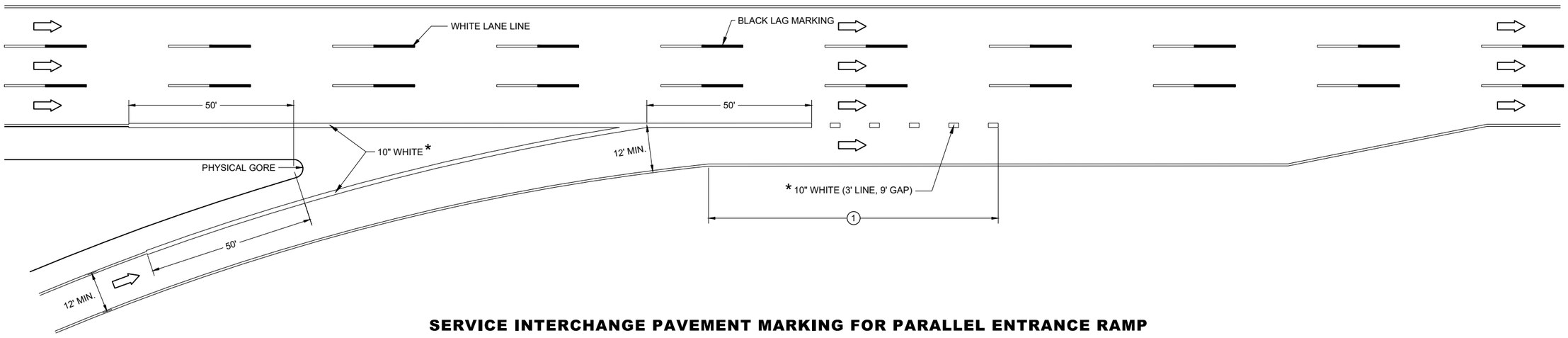
PLACE GROOVE 3 INCHES LEFT OF JOINT.

(1) ½ LENGTH OF FULL WIDTH ACCELERATION LANE.

LEGEND

DIRECTION OF TRAVEL

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL ENTRANCE RAMP

PAVEMENT MARKING, ENTRANCE RAMP AND PARALLEL ENTRANCE RAMP

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 15C31-06c

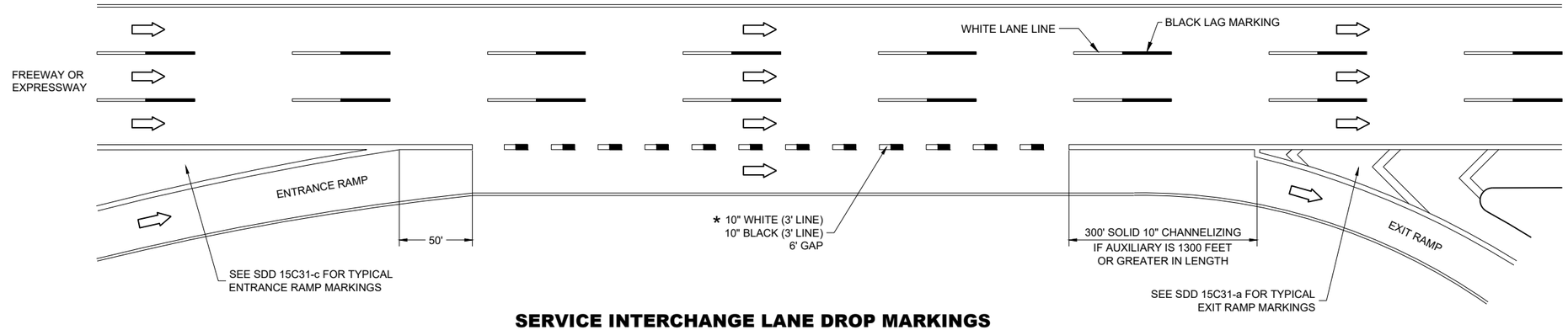
LEGEND

DIRECTION OF TRAVEL

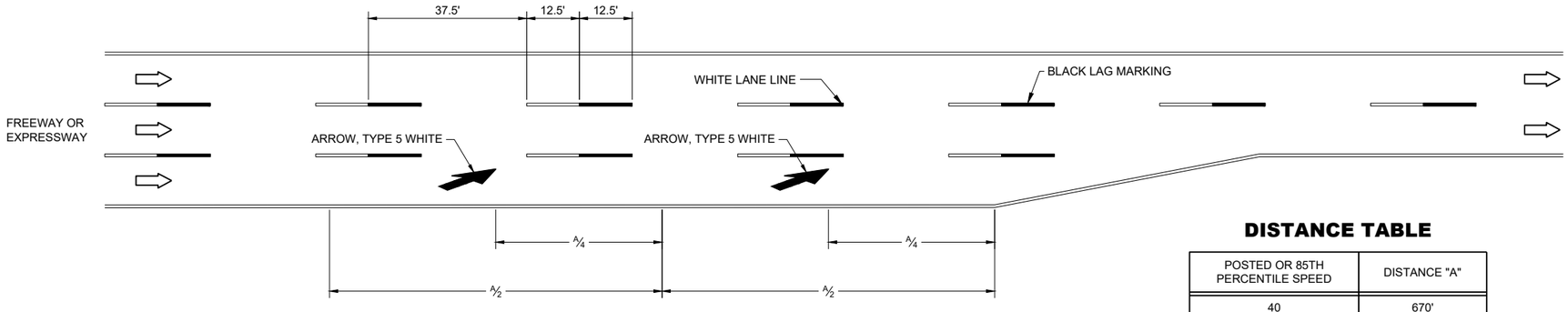
* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

GENERAL NOTES

PLACE GROOVE 3 INCHES LEFT OF JOINT.



SERVICE INTERCHANGE LANE DROP MARKINGS



LANE REDUCTION MARKINGS

DISTANCE TABLE

POSTED OR 85TH PERCENTILE SPEED	DISTANCE "A"
40	670'
45	775'
50	885'
55	990'
60	1100'
65	1200'
70	1250'

PAVEMENT MARKING, LANE DROP AND LANE REDUCTION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

September 2023
DATE

/S/ Matthew Rauch
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6
SDD 15C31-06d

GENERAL NOTES

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

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

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

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

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

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

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

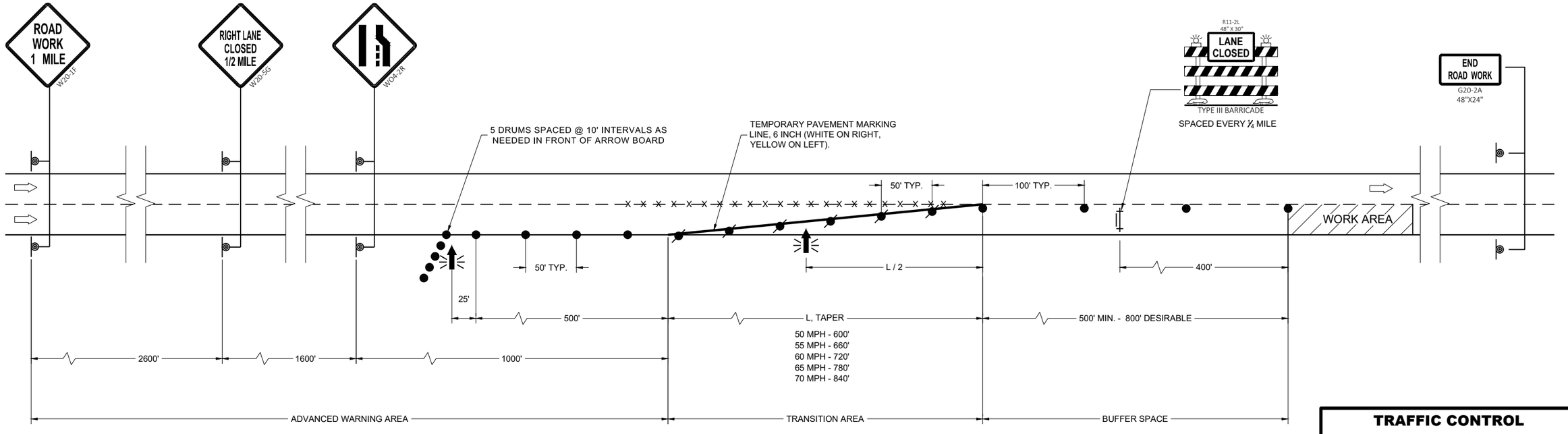
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD



TRAFFIC CONTROL
LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2023
DATE

/S/ Andrew Heidtke
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

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SDD 15D12-12a

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SDD 15D12-12a

LEGEND

SIGN ON PERMANENT SUPPORT

SIGN ON TEMPORARY SUPPORT

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT

TYPE III BARRICADE WITH ATTACHED SIGN

FLAGS, 16" X 16" MIN., ORANGE

DIRECTION OF TRAFFIC

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH THE ENGINEER.

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

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

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

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

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

YIELD SIGN AND WARNING SIGNS ON ENTRANCE RAMP ARE ALSO APPROPRIATE FOR CLOSURE OF THE MAINLINE LEFT LANE. OMIT THE YIELD SIGN IF MORE THAN ONE LANE REMAINS OPEN ON THE MAINLINE AND THE RAMP TAPER IS AT LEAST AS LONG AS THE NORMAL ENTRANCE RAMP TAPER AT THE SITE.

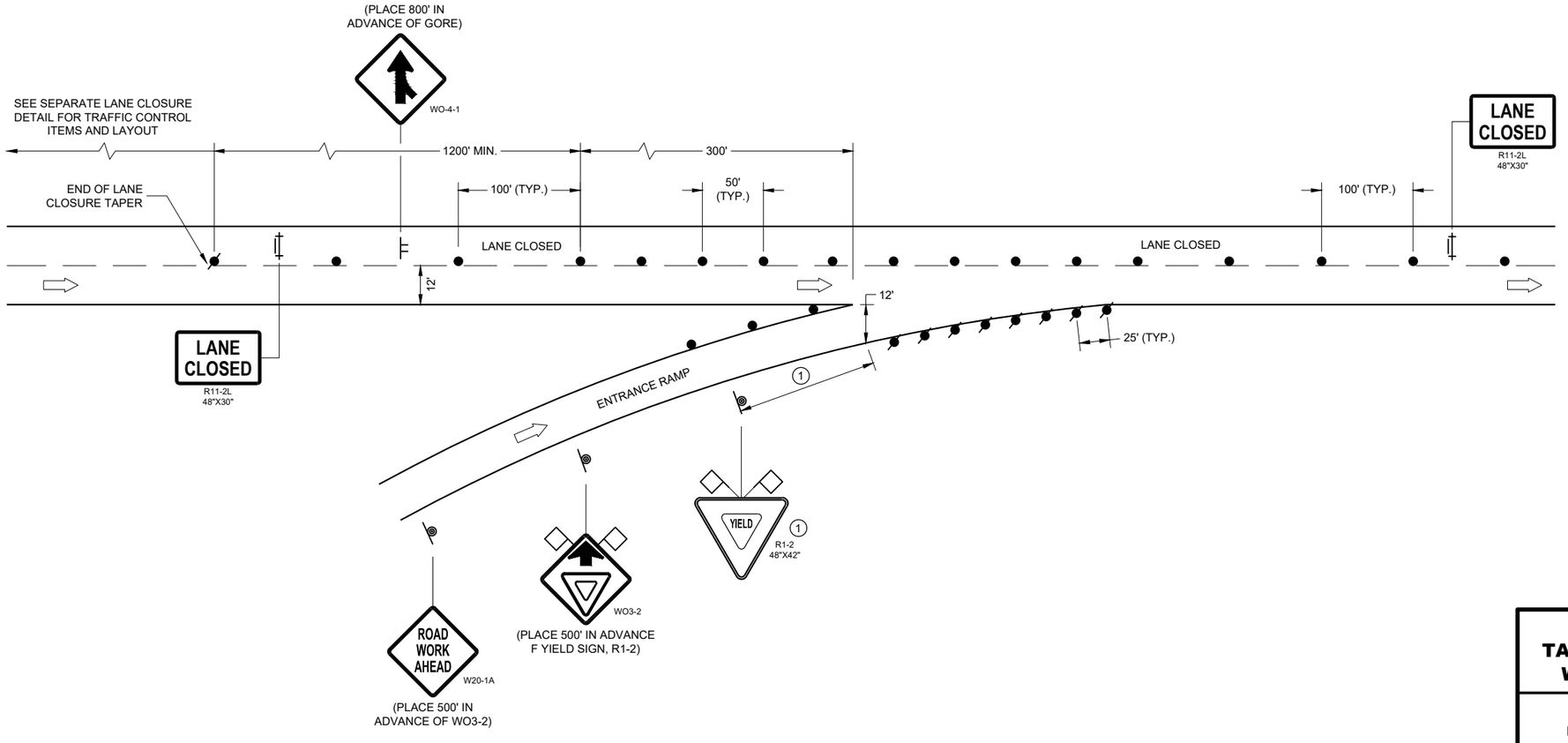
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS. USE SUPPORTS THAT PROVIDE A MINIMUM OF 5 FEET FROM THE BOTTOM OF THE SIGN TO THE PAVEMENT.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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

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

(1) PLACE YIELD SIGN TO PROVIDE ADEQUATE SIGHT DISTANCE AND ACCELERATION DISTANCE.



TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15D15-07d

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SDD 15D15-07d

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC

GENERAL NOTES

THIS RAMP CLOSURE DETAIL IS TYPICAL FOR CLOSING A RIGHT SIDE EXIT RAMP. FOR A LEFT SIDE EXIT RAMP, REVERSE THE TRAFFIC CONTROL.

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

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

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

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

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

PLACE TEMPORARY PAVEMENT MARKING LINE IF RAMP CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

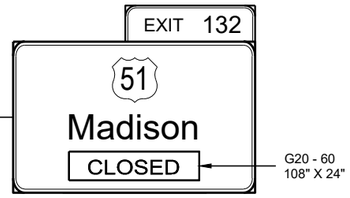
WORK AREAS WITH A DROP OFF ALONG THE EDGE OF AN OPEN TRAVEL LANE SHALL BE LEVELED WITH TEMPORARY FILL WHEN THE CONTRACTOR IS NOT WORKING ADJACENT TO THE TRAVEL LANE. DRUMS SHALL BE PLACED ENTIRELY OUTSIDE THE TRAVEL LANE, ALLOWING THE FULL UNOBSTRUCTED LANE WIDTH, WHEN WORK IS NOT IN PROGRESS.

WHERE MEDIAN BARRIER IS IN PLACE, SIGNS SHOWN ON LEFT SIDE OF ROADWAY MAY BE OMITTED FOR RIGHT SIDE RAMP CLOSURES OF LESS THAN 12 - HOUR DURATION.

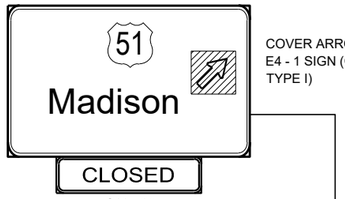
(1) W20 - 1A AND G20 - 2A SIGNS ARE NOT REQUIRED IF THE RAMP CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

(2) PLACE "RAMP CLOSED BEGINNING" SIGN OR PCMS 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR SIGN LAYOUT.

OR



PLACE SIGN G20 - 60 OVER MILEAGE ON EXISTING E1 - 1A SIGN



COVER ARROW ON EXISTING E4 - 1 SIGN (COVERING SIGNS TYPE I)

G20 - 61
120 ' X 30"

OR

PCMS MESSAGING

FRAME 1	FRAME 2
RAMP TO CLOSE	XXXDAY XX XX XX

TRAFFIC CONTROL, EXIT RAMP CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
ROADWAY STANDARDS DEVE ENGINEER

FHWA

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SDD 15D16-06

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- WORK AREA

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT SHOULDER. FOR CLOSING THE LEFT SHOULDER, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR DIVIDED ROADWAYS WITH ANY NUMBER OF TRAVEL LANES.

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

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

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

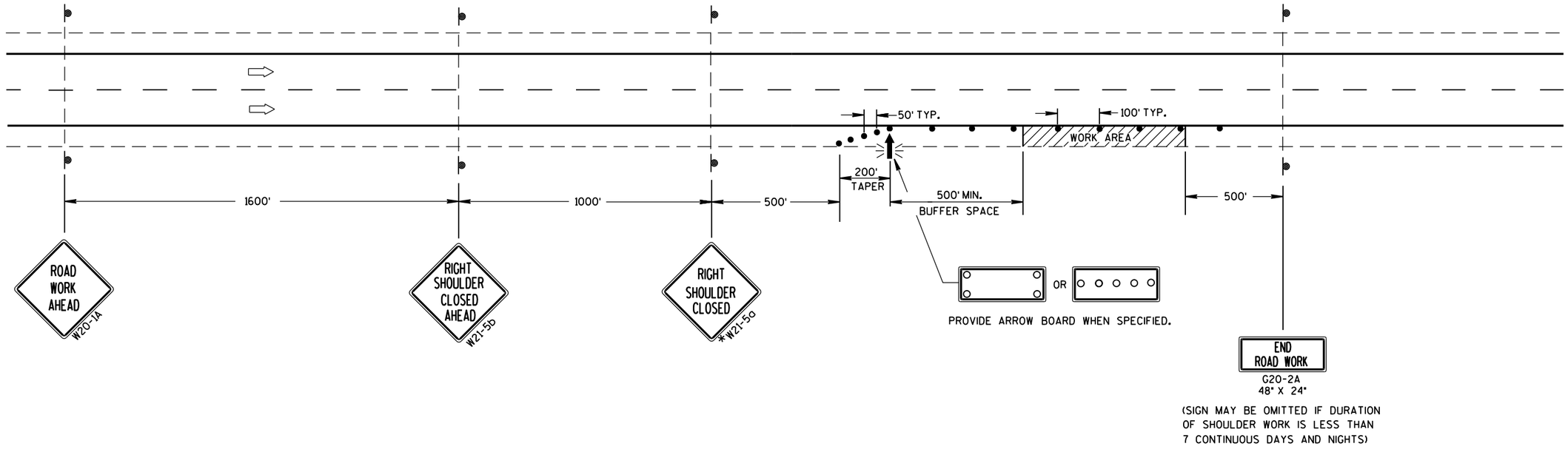
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-5a SIGN MAY BE OMITTED.



TRAFFIC CONTROL SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2016 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO[illegible] SAFETY ENGI[illegible]

FHWA

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S.D.D. 15 D 27-3

LEGEND

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

DIRECTION OF TRAFFIC

WORK ZONE

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

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

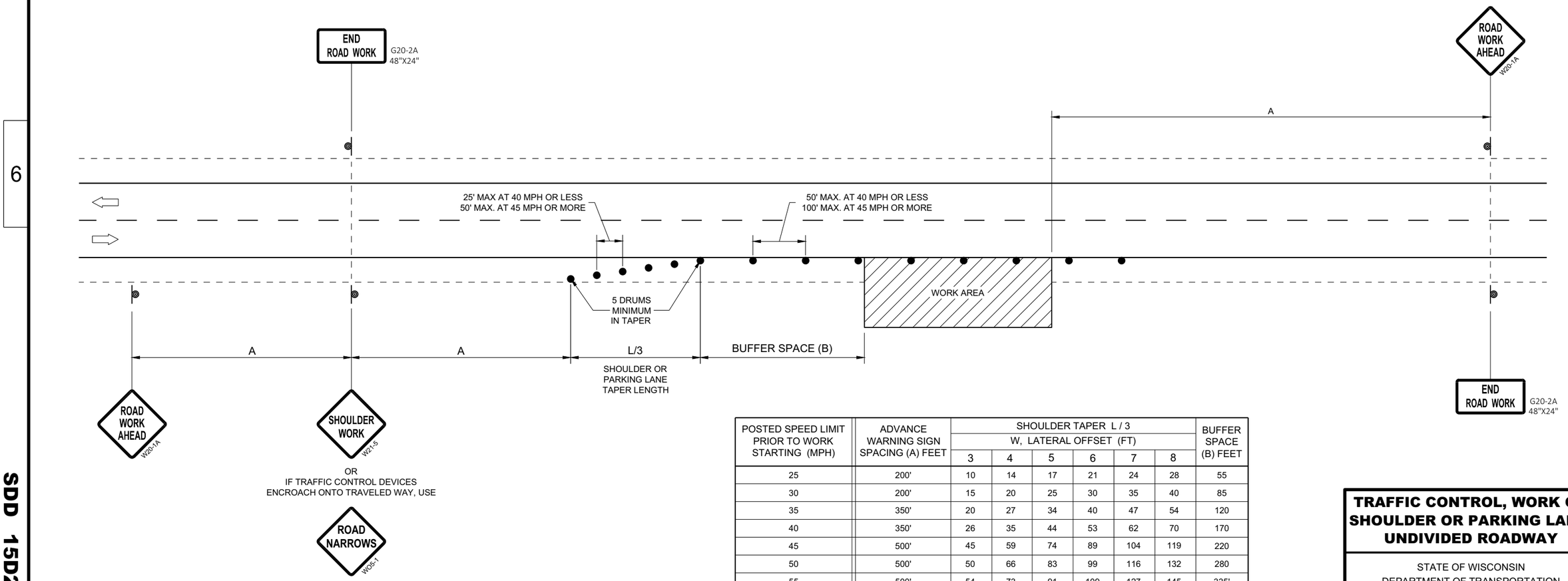
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHOULDER TAPER L / 3 W, LATERAL OFFSET (FT)						BUFFER SPACE (B) FEET
		3	4	5	6	7	8	
25	200'	10	14	17	21	24	28	55
30	200'	15	20	25	30	35	40	85
35	350'	20	27	34	40	47	54	120
40	350'	26	35	44	53	62	70	170
45	500'	45	59	74	89	104	119	220
50	500'	50	66	83	99	116	132	280
55	500'	54	73	91	109	127	145	335'

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

SDD 15D28 - 04

SDD 15D28 - 04

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- CONCRETE BARRIER TEMPORARY PRECAST

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)				
	10	11	12	13	14
50	250	275	300	325	350
55	275	303	330	358	385
60	300	330	360	390	420
65	325	358	390	423	455
70	350	385	420	455	490

GENERAL NOTES

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

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

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT RIGHT - REVERSE FOR SHIFTING LEFT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

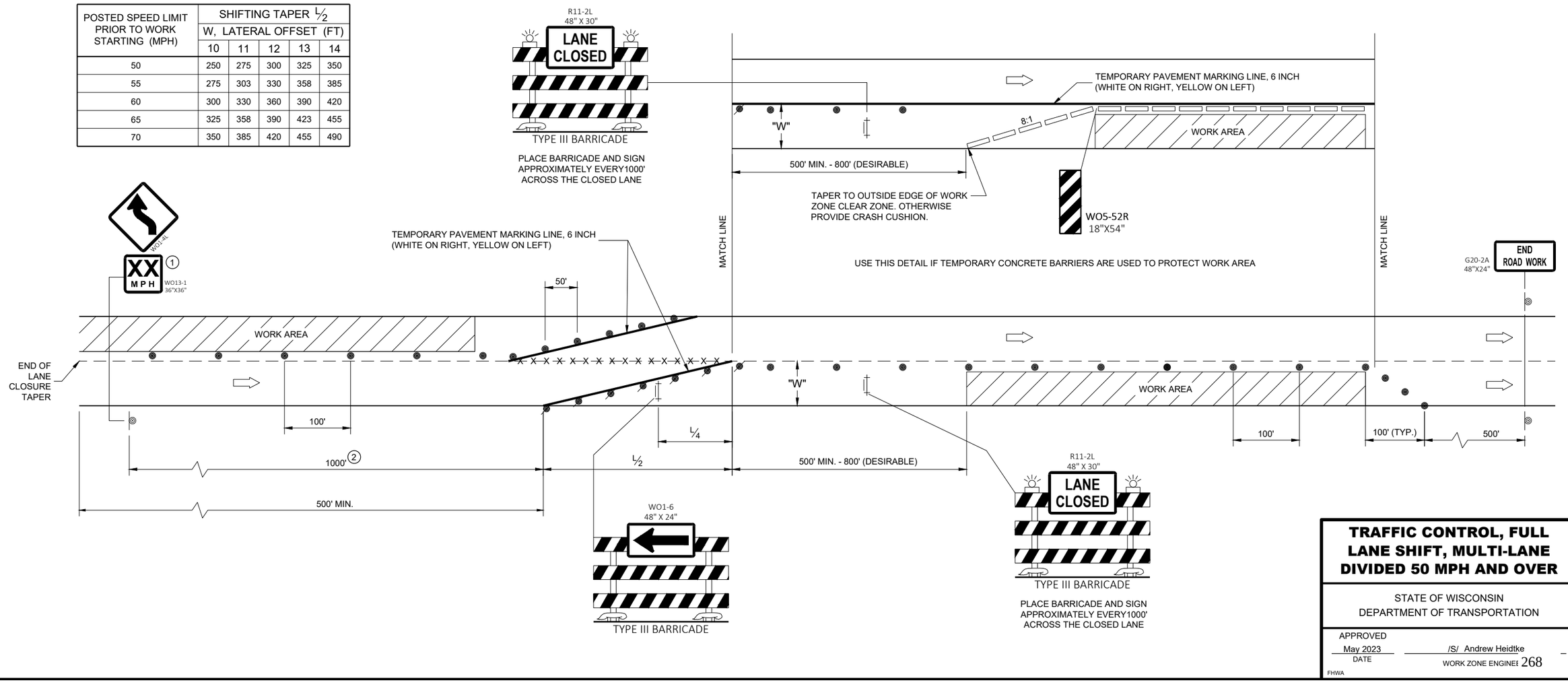
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ½ THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

(1) USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

(2) IF BEGINNING OF LANE SHIFT IS 1200' OF LESS FROM THE END OF THE LANE CLOSURE TAPER, PLACE THE WO1-4L SIGN 200 FEET AFTER THE END OF THE LANE CLOSURE TAPER.



TRAFFIC CONTROL, FULL LANE SHIFT, MULTI-LANE DIVIDED 50 MPH AND OVER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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SDD 15D40-05b

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SDD 15D40-05b

LEGEND

TYPE III BARRICADE WITH ATTACHED SIGN

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

DIRECTION OF TRAFFIC

CONCRETE BARRIER TEMPORARY PRECAST

TYPE "A" WARNING LIGHT (FLASHING)

WORK AREA

FULL SHIFT							
L, TAPER LENGTH (FT)							
POSTED SPEED (MPH)	W, LATERAL OFFSET (FT)						
	10	11	12	13	14	15	16
45	450	495	540	585	630	675	720
50	500	550	600	650	700	750	800
55	550	605	660	715	770	825	880
60	600	660	720	780	840	900	960
65	650	715	780	845	910	975	1040
70	700	770	840	910	980	1050	1120

OR

LOCATED
3000 FEET BEYOND THE
"ROAD WORK 1 MILE"
(W20-1F) SIGN

R2-1
48"X60"

OR

R2-1
48"X60"

(BLACK AND WHITE)
LOCATED
700 FEET BEYOND THE
W03-5 SIGN

IF THE REGULATORY SPEED HAS BEEN REDUCED, A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN INCORPORATED A MINIMUM OF EVERY 3 MILES.

GENERAL NOTES

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

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

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT RIGHT - REVERSE FOR SHIFTING LEFT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

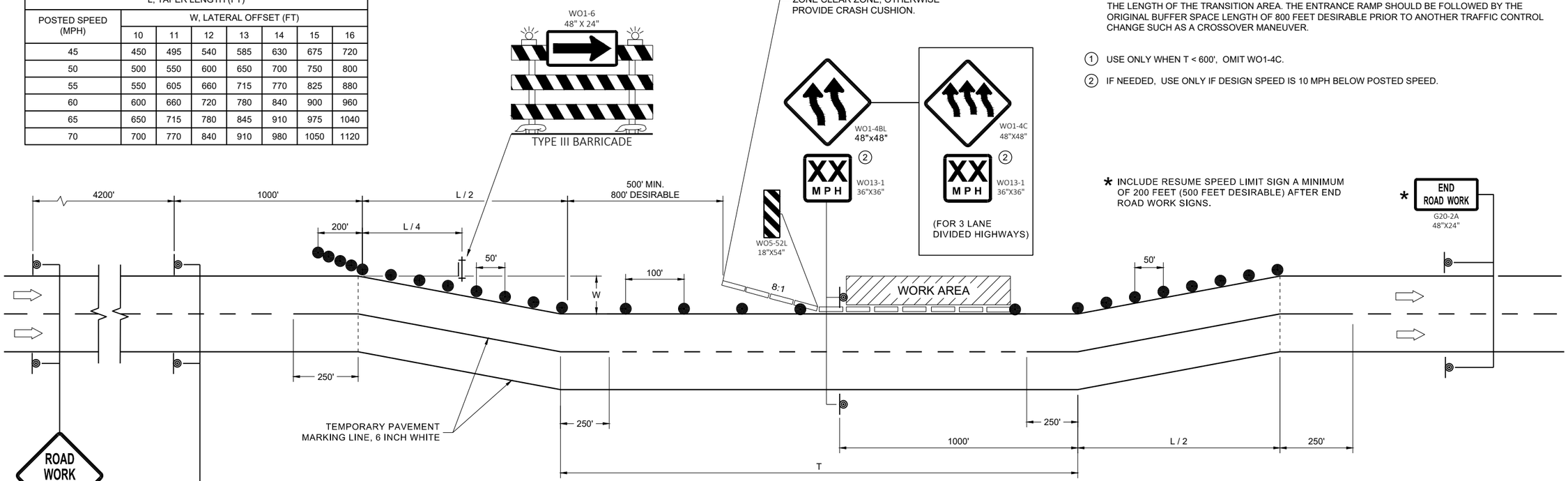
REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

(1) USE ONLY WHEN T < 600', OMIT WO1-4C.

(2) IF NEEDED, USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.



PARTIAL SHIFT									
POSTED SPEED PRIOR TO WORK STARTING (MPH)	SHIFTING TAPER L/2								
	W, LATERAL OFFSET (FT)								
	1	2	3	4	5	6	7	8	9
45	23	45	68	90	113	135	158	180	203
50	25	50	75	100	125	150	175	200	225
55	28	55	83	110	138	165	193	220	248
60	30	60	90	120	150	180	210	240	270
65	33	65	98	130	163	195	228	260	293
70	35	70	105	140	175	210	245	280	315

TRAFFIC CONTROL MULTIPLE LANE SHIFT MULTILANE DIVIDED ROAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2023
DATE

/S/ Andrew Heidtke
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6

SDD 15D41-04a

6

SDD 15D41-04a

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN

GENERAL NOTES

RIGHT CLOSURE SHOWN (LEFT LANE CLOSURE SIMILAR)

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

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

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

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

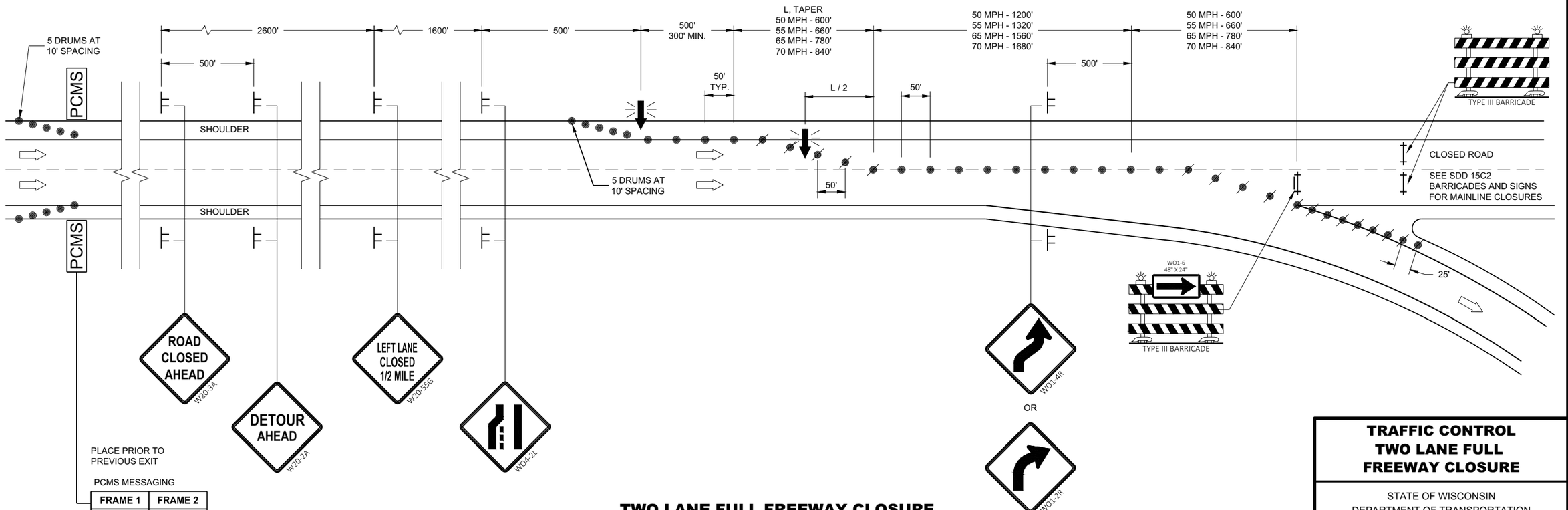
WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROL SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND / OR THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.

PLACE A TYPE III BARRICADE APPROXIMATELY EVERY 1000' ACROSS EACH CLOSED LANE TO HELP REINFORCE THE DRUM LINE.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

REFER TO DETOUR ROUTES FOR TRAFFIC GUIDANCE SIGNING.

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



PLACE PRIOR TO PREVIOUS EXIT

PCMS MESSAGING

FRAME 1	FRAME 2
FREEWAY CLOSED	EXIT AHEAD

TWO LANE FULL FREEWAY CLOSURE

TRAFFIC CONTROL TWO LANE FULL FREEWAY CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

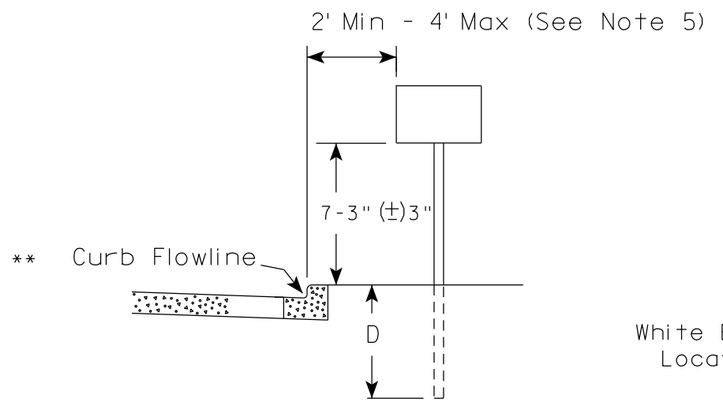
6

6

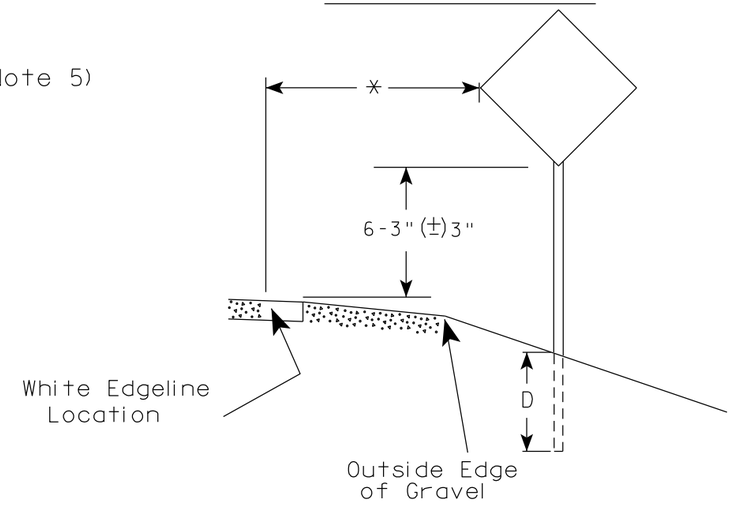
SDD 15D42 - 01

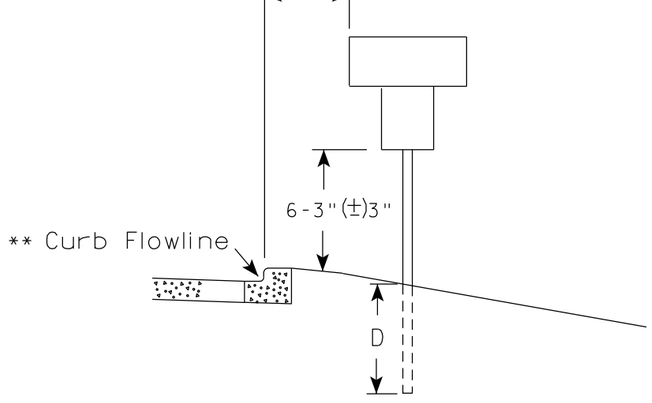
SDD 15D42 - 01

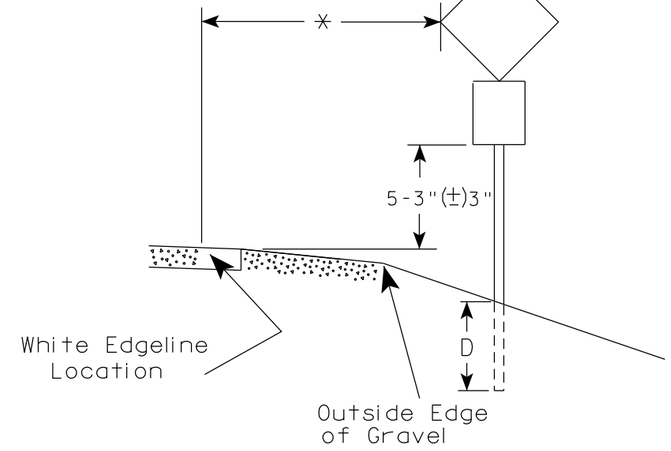
URBAN AREA



RURAL AREA (See Note 2)







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

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

POST EMBEDMENT DEPTH

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

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±) 3".
3. For expressways and freeways, mounting height is 7'- 3" (±) 3" or 6'-3" (±) 3" depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±) 3".
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directd by the Engineer.

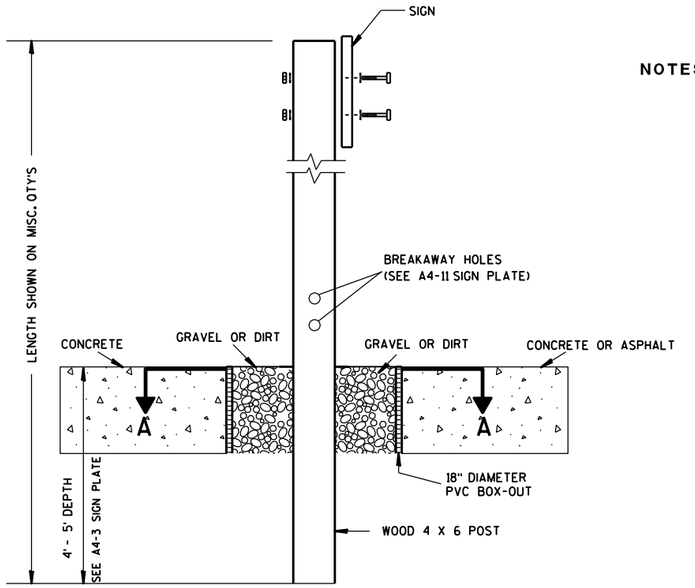
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

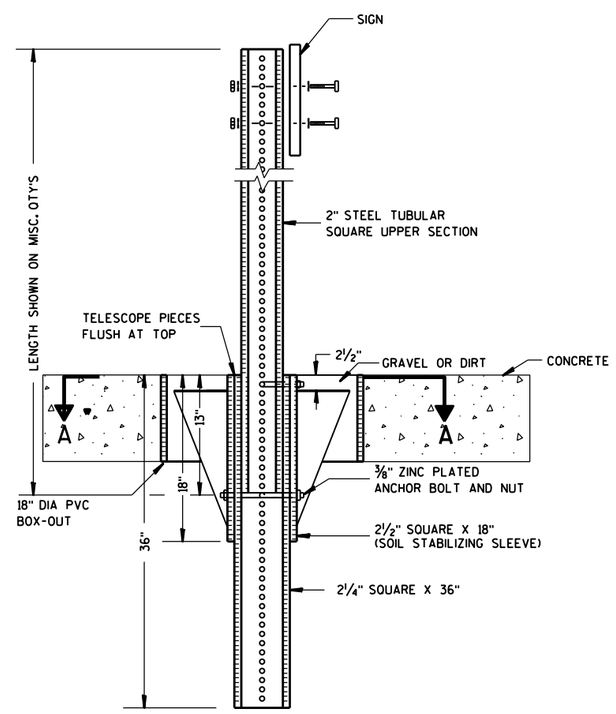
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 271	E



ELEVATION VIEW

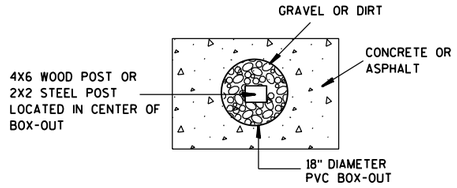
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

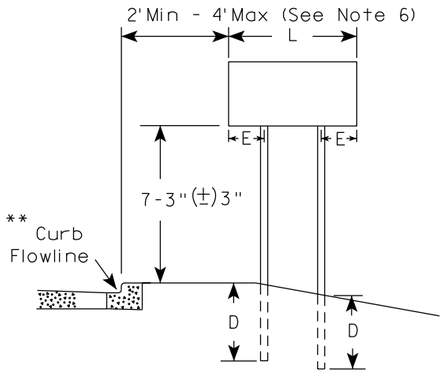
APPROVED Matthew R Rauch
for State Traffic Engineer

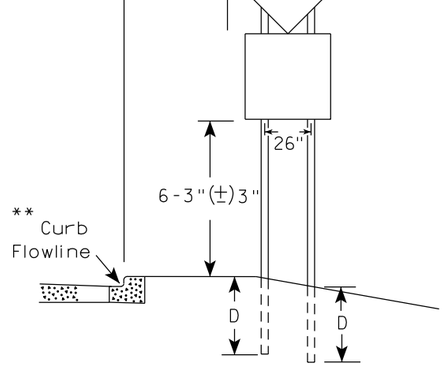
DATE 1/27/14 PLATE NO. A4-3B.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

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

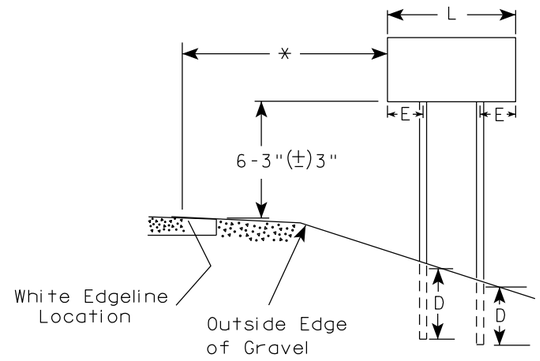
URBAN AREA

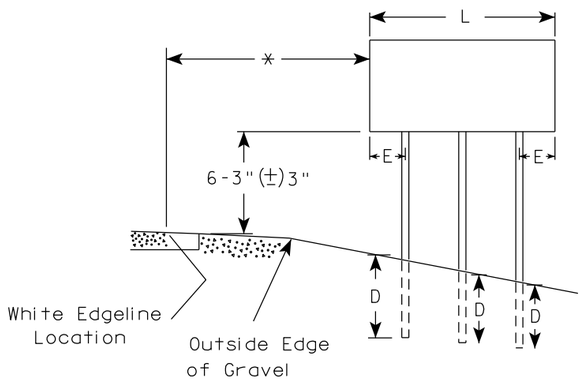


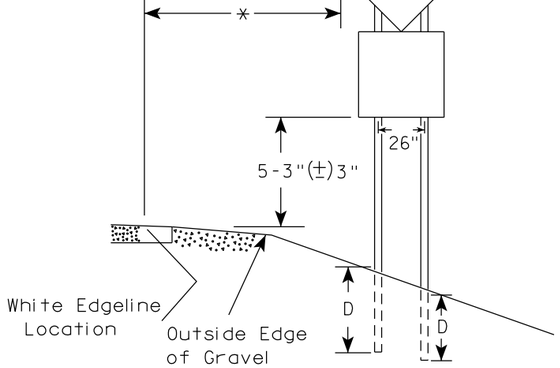


48" DIAMOND WARNING SIGN

RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN

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

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

GENERAL NOTES

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

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

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

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

POST EMBEDMENT DEPTH

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

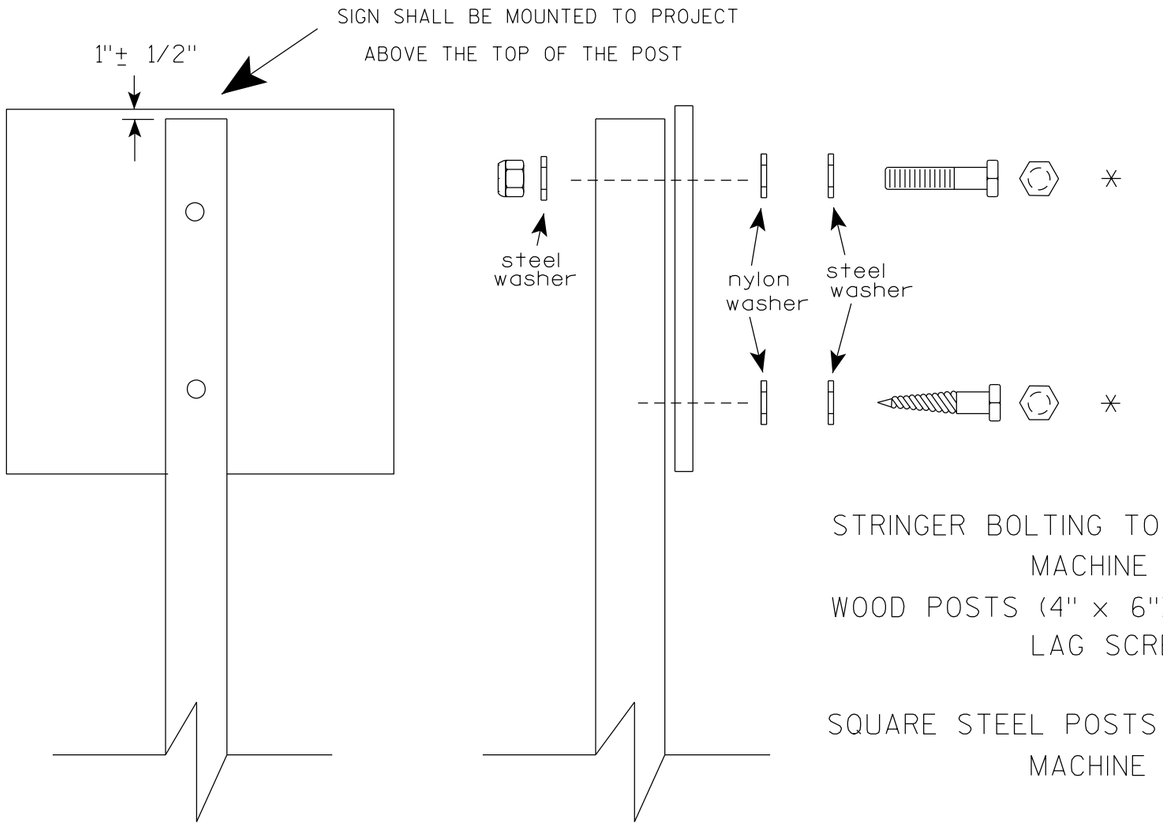
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 273	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

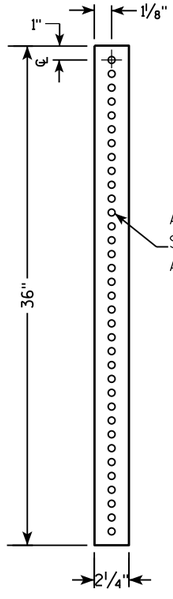
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

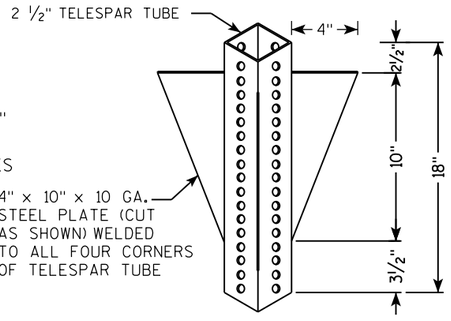
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

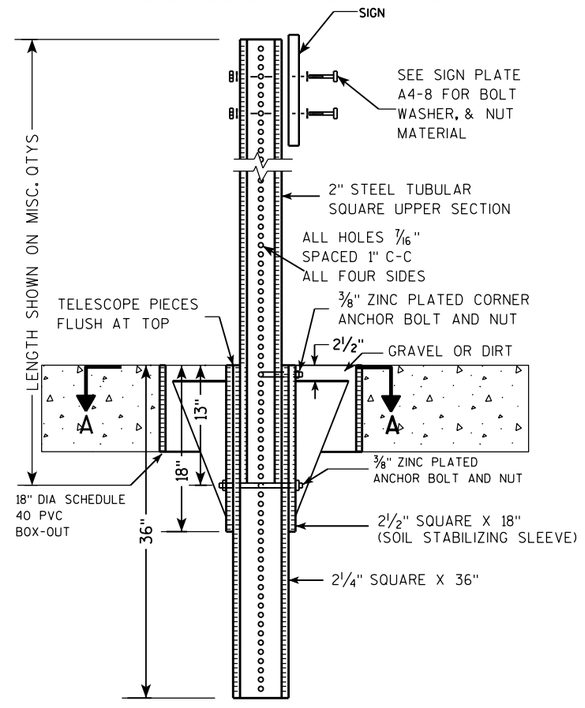
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



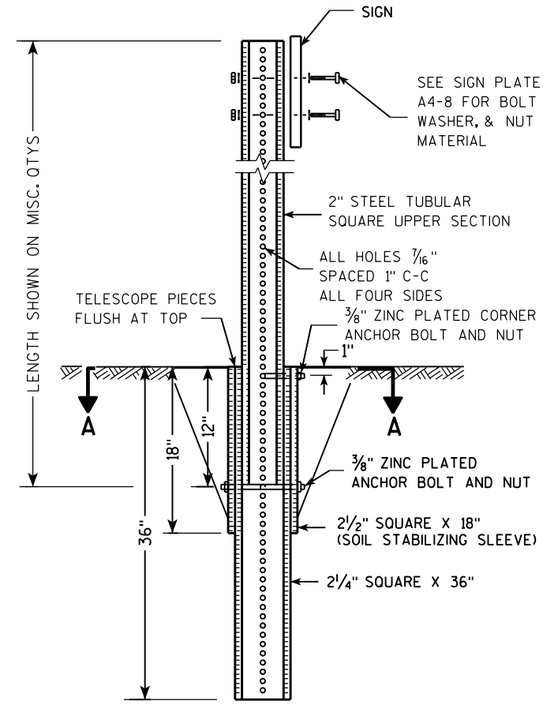
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

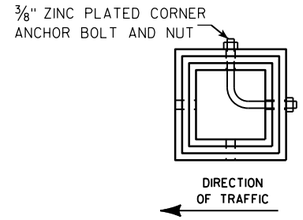


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

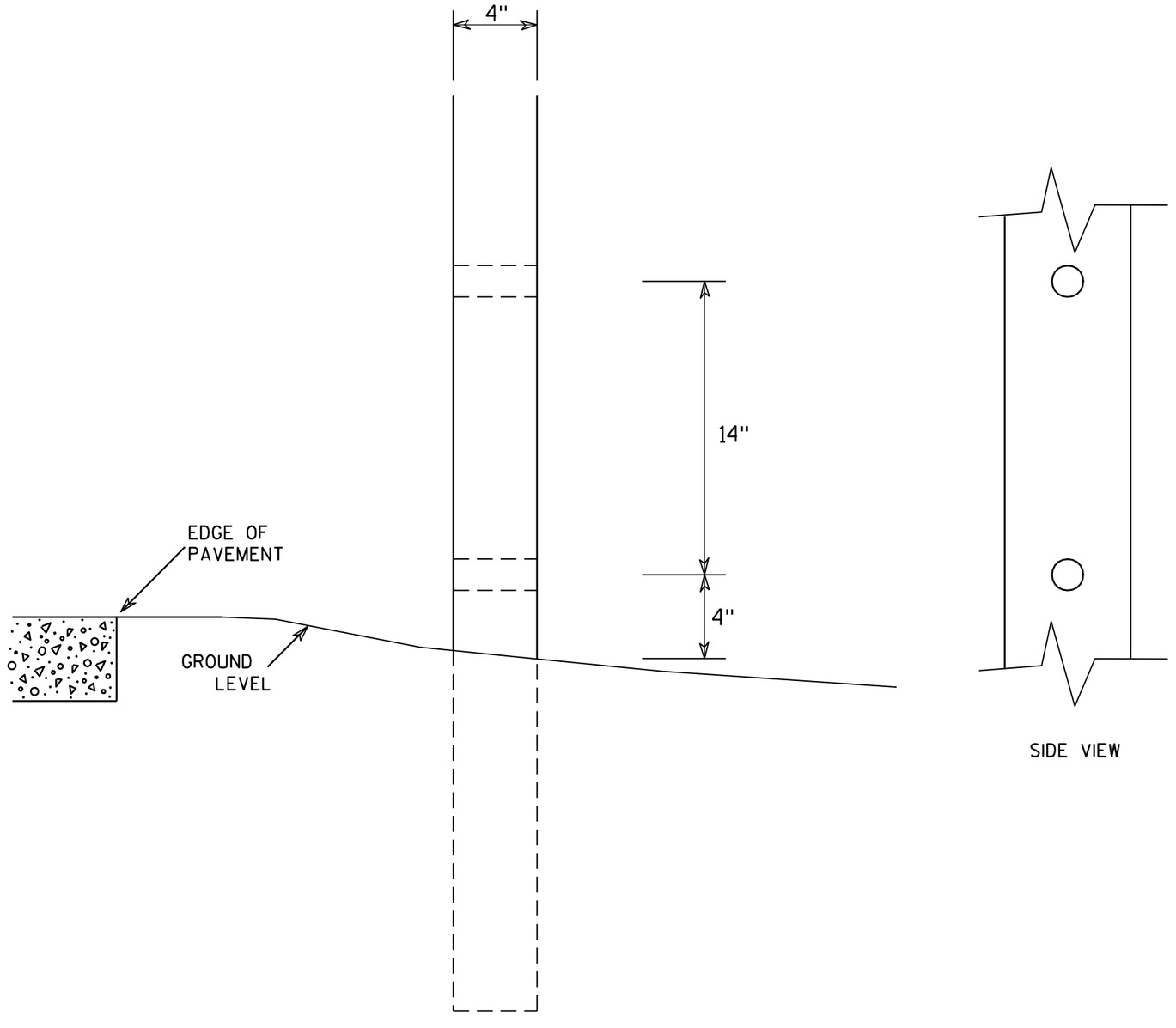
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 275 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000

WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

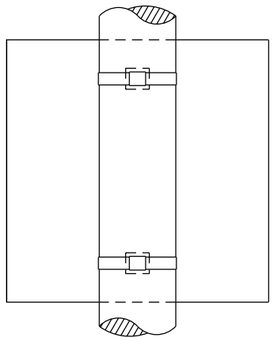
APPROVED Chester J Spang for State Traffic Engineer

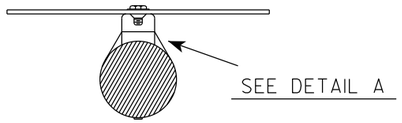
DATE 3/27/97 PLATE NO. A4-11.2

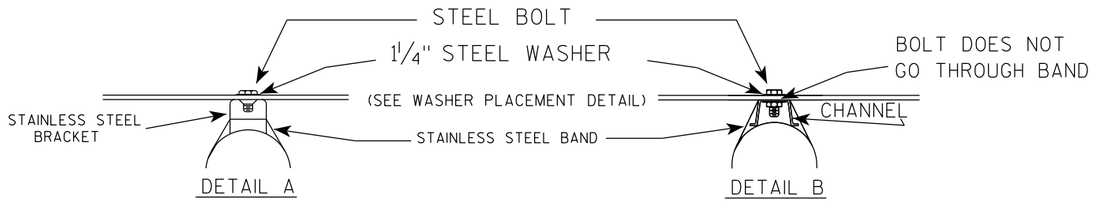
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 276	E

BANDING

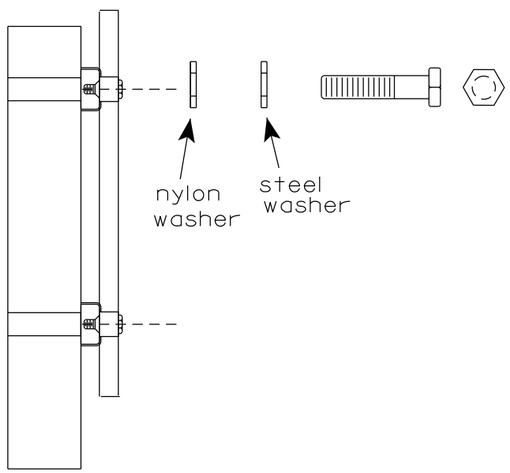
SINGLE SIGN







WASHER PLACEMENT

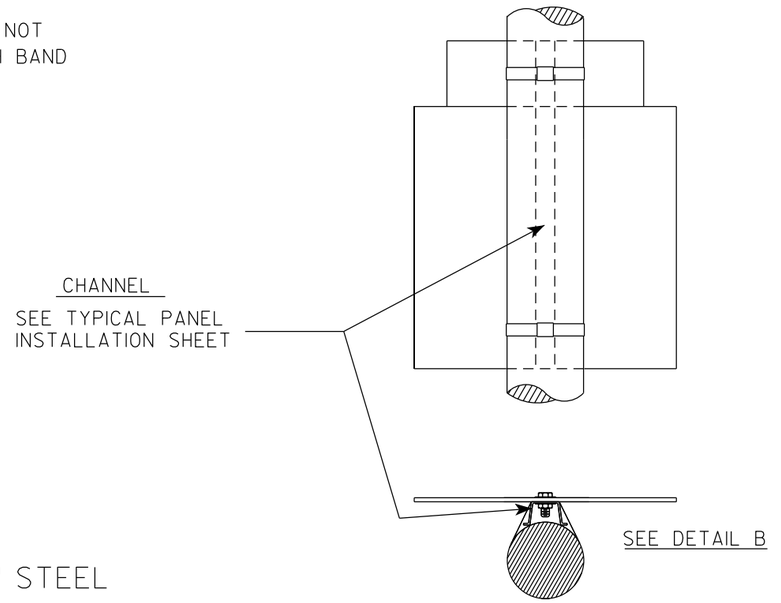


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

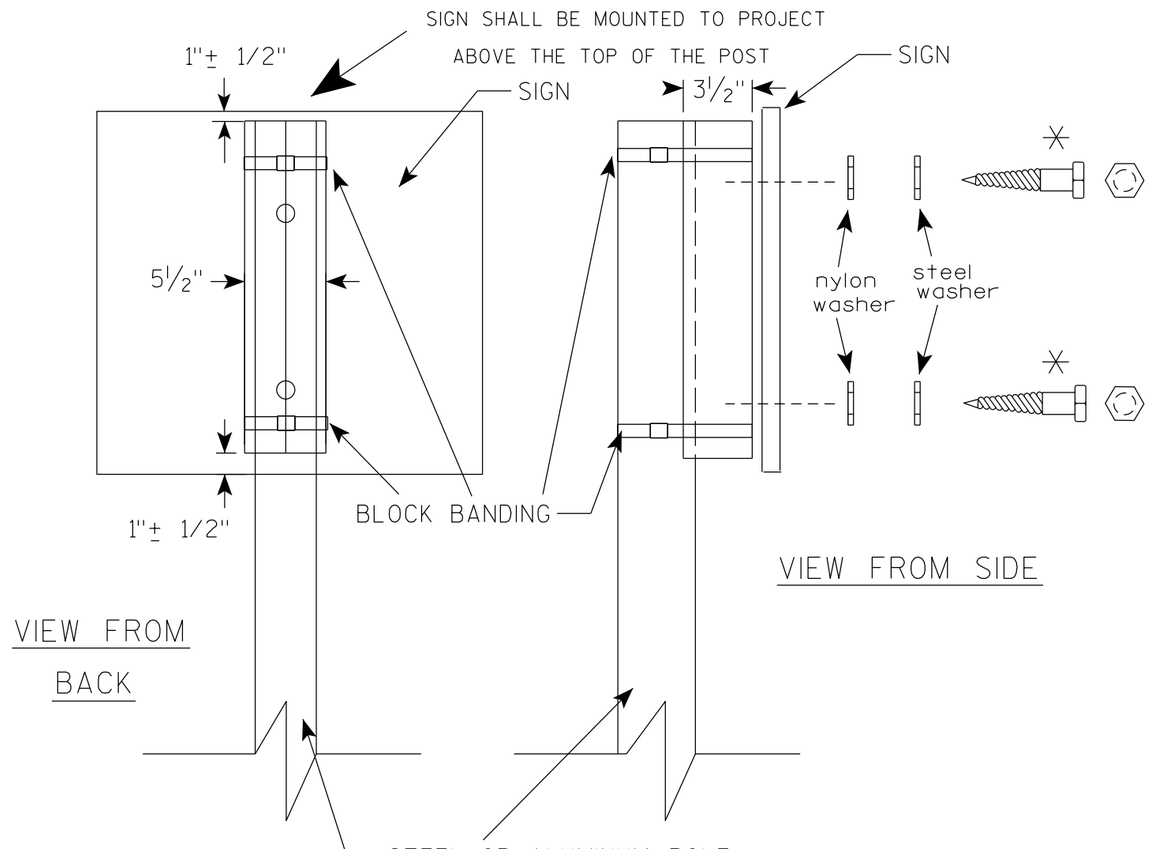
DATE 6/10/19 PLATE NO. A5-9.4

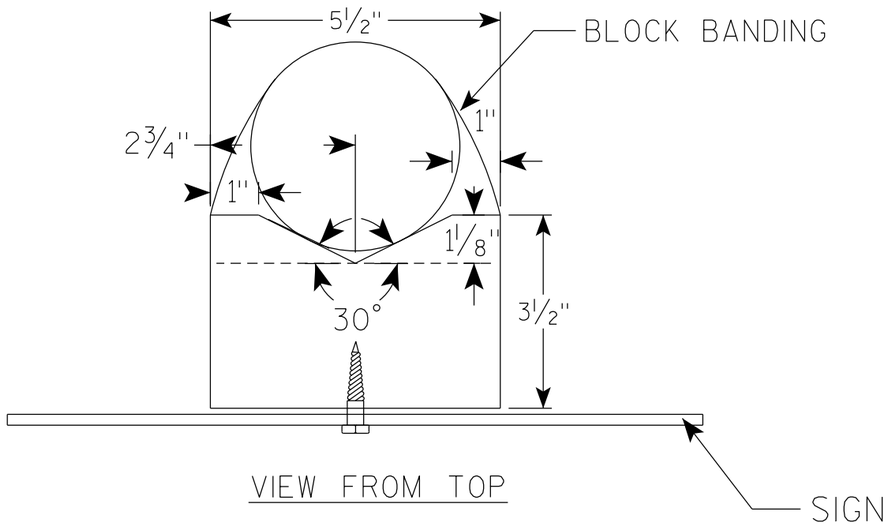
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 277	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

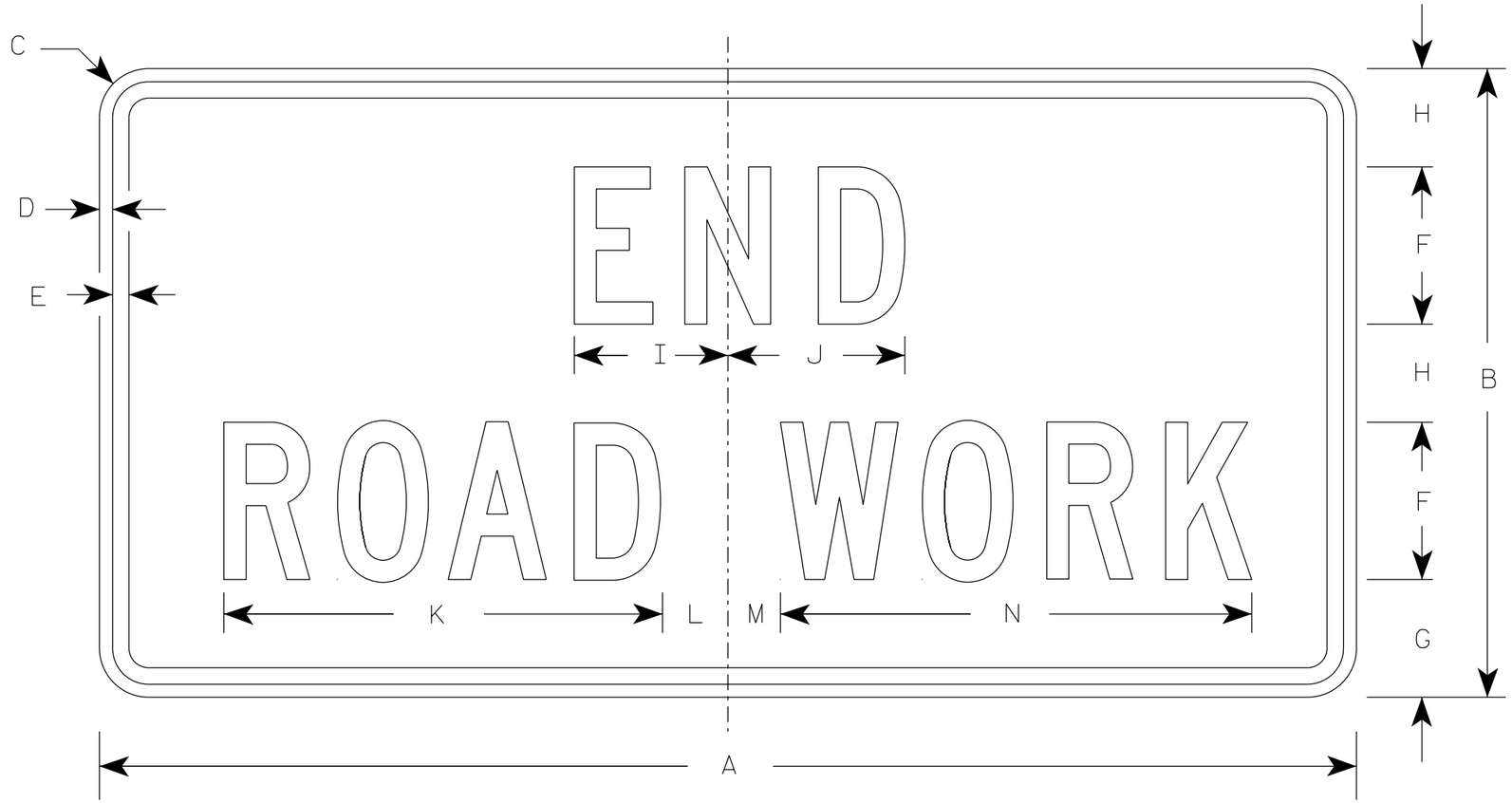
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:

SHEET NO: 278 E



G20-2A

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/2	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5
2	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
2M	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
3	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
4	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
5	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0

STANDARD SIGN

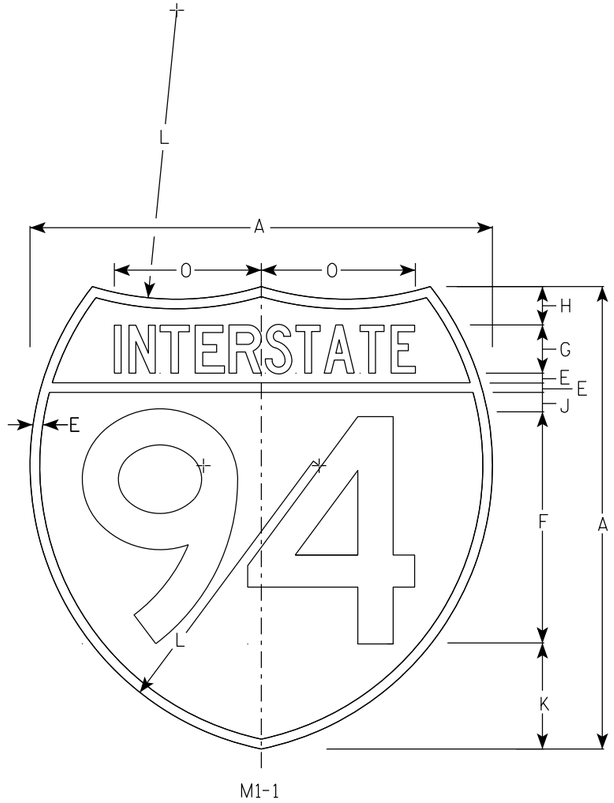
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

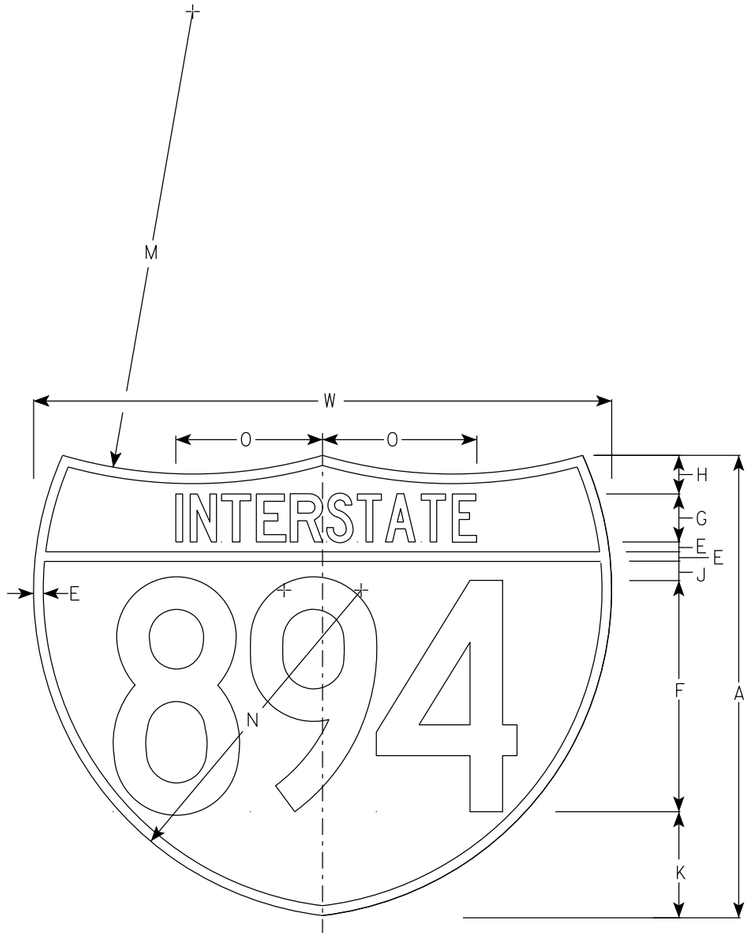
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/26/2023 PLATE NO. G20-2A.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 279 E



M1-1



M1-1A

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Top Red - Bottom Blue
   Message - White
3. Message Series - See note 5
4. Substitute appropriate numerals & ajust spacing as per plate A10-1.
5. M1-1 - Numerals - D
   Interstate - C
   M1-1A - All copy - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	M1-1 Area sq. ft.	M1-1A Area sq. ft.
1																											
2	24				1/2	12	2 1/2	2		1	5 1/2	15	24	17	7 7/8								30			3.13	3.91
2M	24				1/2	12	2 1/2	2		1	5 1/2	15	24	17	7 7/8								30			3.13	3.91
3	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79
4	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79
5	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79

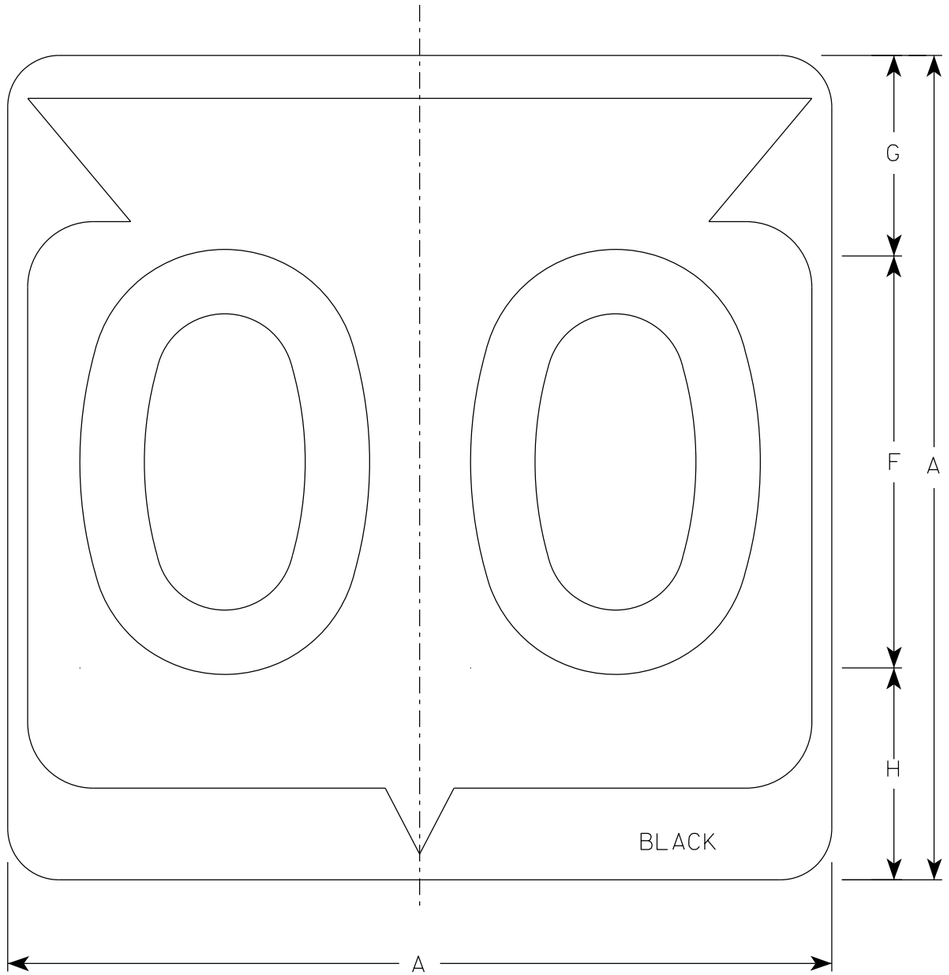
INTERSTATE ROUTE MARKER M1-1 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 11/7/2022 PLATE NO. M1-1.9

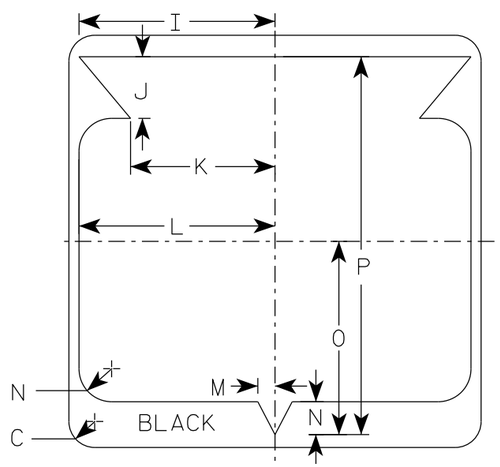
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 280 | E



M1-6

NOTES

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



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
2M	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

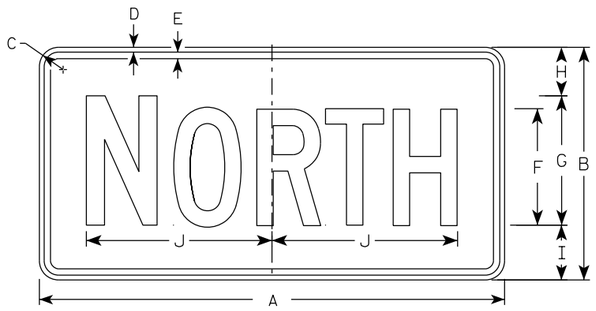
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

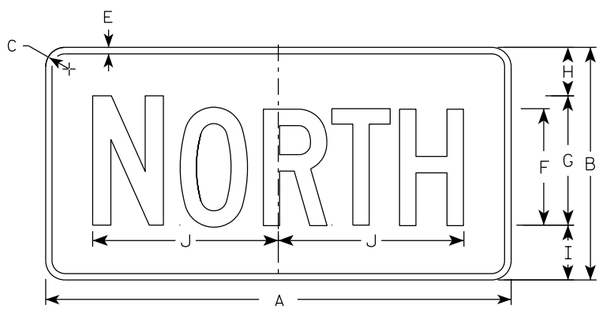
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/8/2022 PLATE NO. M1-6.11

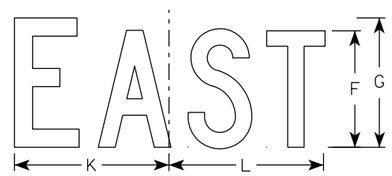
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 281	E



M3-1
MM3-1
MP3-1

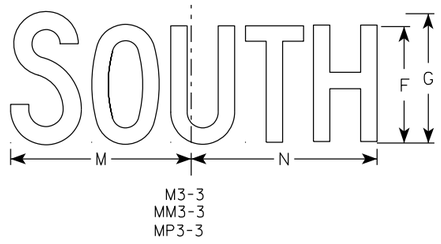


MB3-1
MK3-1
MN3-1

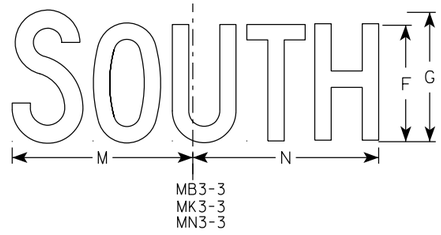


M3-2
MM3-2
MP3-2

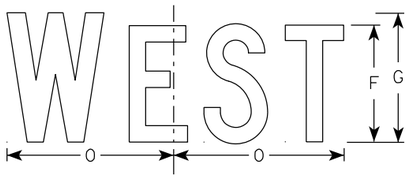
MB3-2
MK3-2
MN3-2



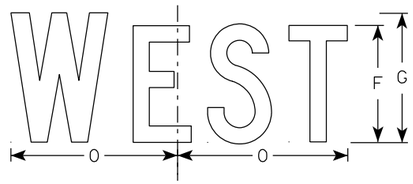
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/2	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4												2.00
2M	24	12	1 1/2	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4												2.00
3	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5
4	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5
5	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5

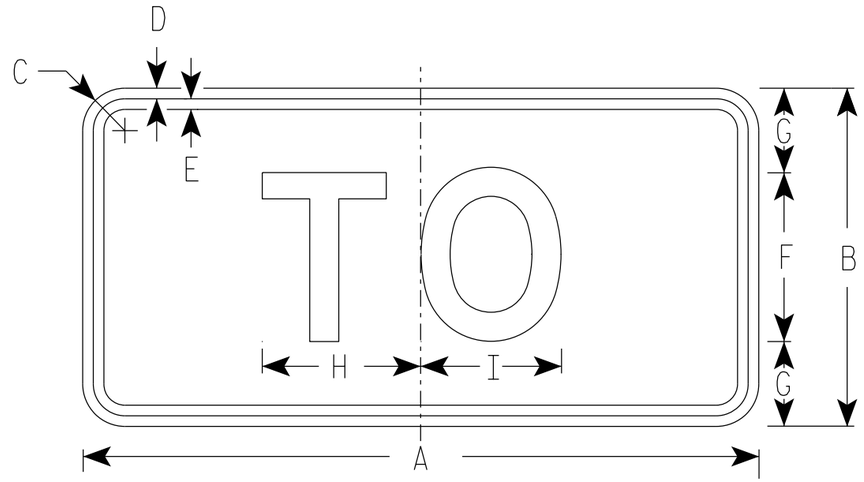
STANDARD SIGNS
M3-1 THRU M3-4
SERIES

WISCONSIN DEPT OF TRANSPORTATION

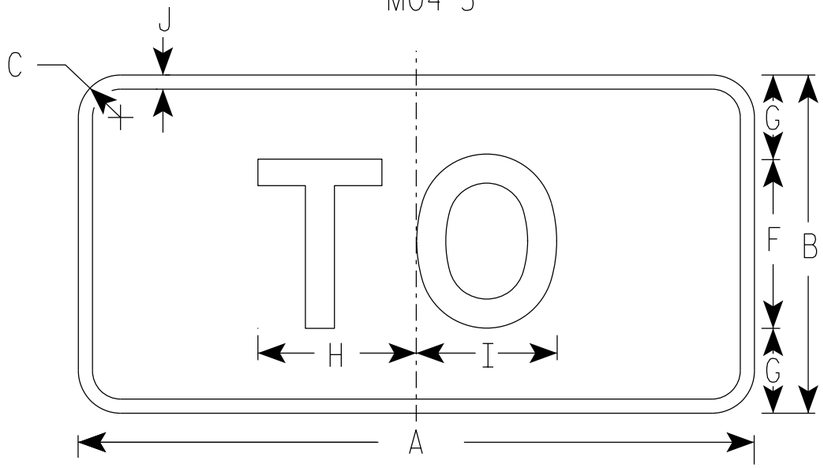
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/8/2023 PLATE NO. M3-1.15

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 282 | E



M4-5
MM4-5
MP4-5
M04-5



MB4-5
MK4-5
MN4-5

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-5 Background - White
   Message - Black
   MB4-5 Background - Blue
   Message - White
   MK4-5 Background - Green
   Message - White
   MM4-5 Background - White
   Message - Green
   MN4-5 Background - Brown
   Message - White
   MP4-5 Background - White
   Message - Blue
   M04-5 Background - Orange Type F Reflective
   Message - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/2	3/8	3/8	6	3	5 3/8	5 1/4	1/2																	2.00
2M	24	12	1 1/2	3/8	3/8	6	3	5 3/8	5 1/4	1/2																	2.00
3	36	18	1 1/2	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2																	4.5
4	36	18	1 1/2	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2																	4.5
5	36	18	1 1/2	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2																	4.5

STANDARD SIGN
M4-5

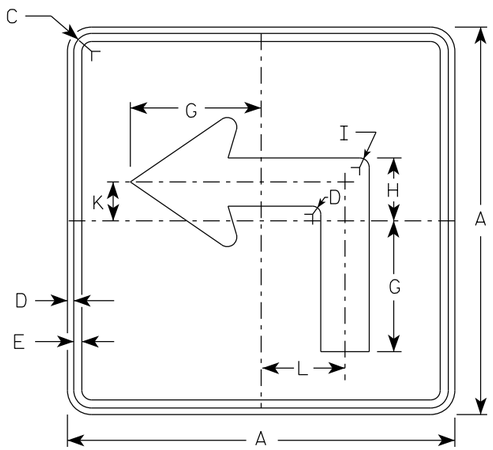
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

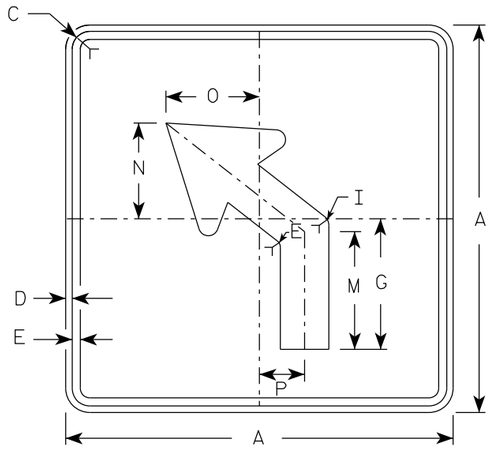
DATE 2/8/2023 PLATE NO. M4-5.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 283 E

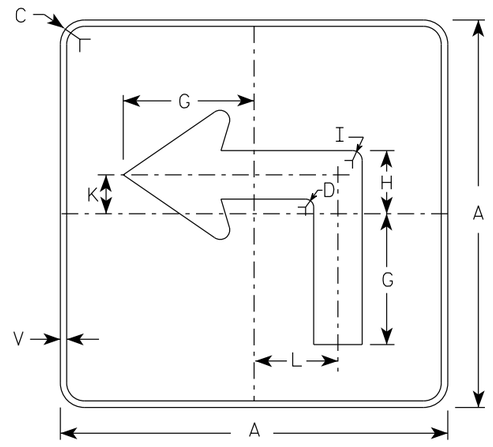
7



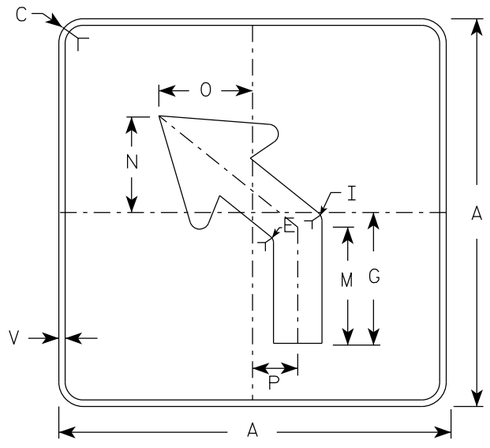
M5-1L
MM5-1L
MO5-1L
MP5-1L



M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L

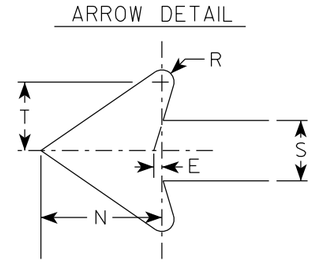


MB5-2L
MK5-2L
MN5-2L
MR5-2L

NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21		1 1/2	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3		1/2					3.06
2M	21		1 1/2	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3		1/2					3.06
3	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
4	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
5	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25

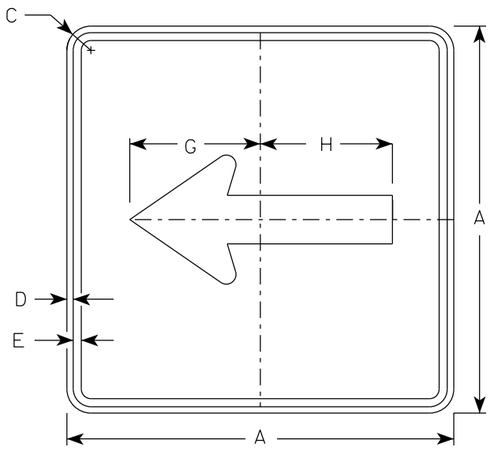
STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

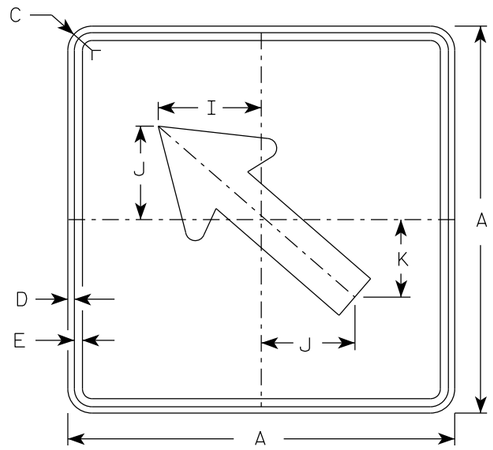
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M5-1.15

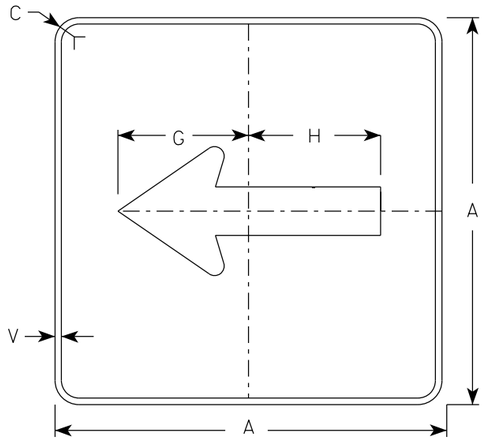
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 284 | E



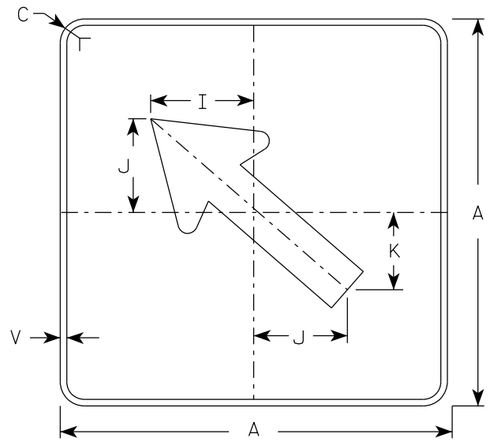
M6-1
MM6-1
MO6-1
MP6-1



M6-2
MM6-2
MO6-2
MP6-2



MB6-1
MK6-1
MN6-1
MR6-1

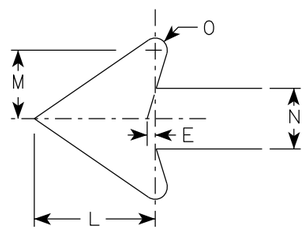


MB6-2
MK6-2
MN6-2
MR6-2

NOTES

1. Signs are Type II - Type H Reflective except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21		1 1/2	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2							1/2					3.06
2M	21		1 1/2	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2							1/2					3.06
3	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
4	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
5	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25

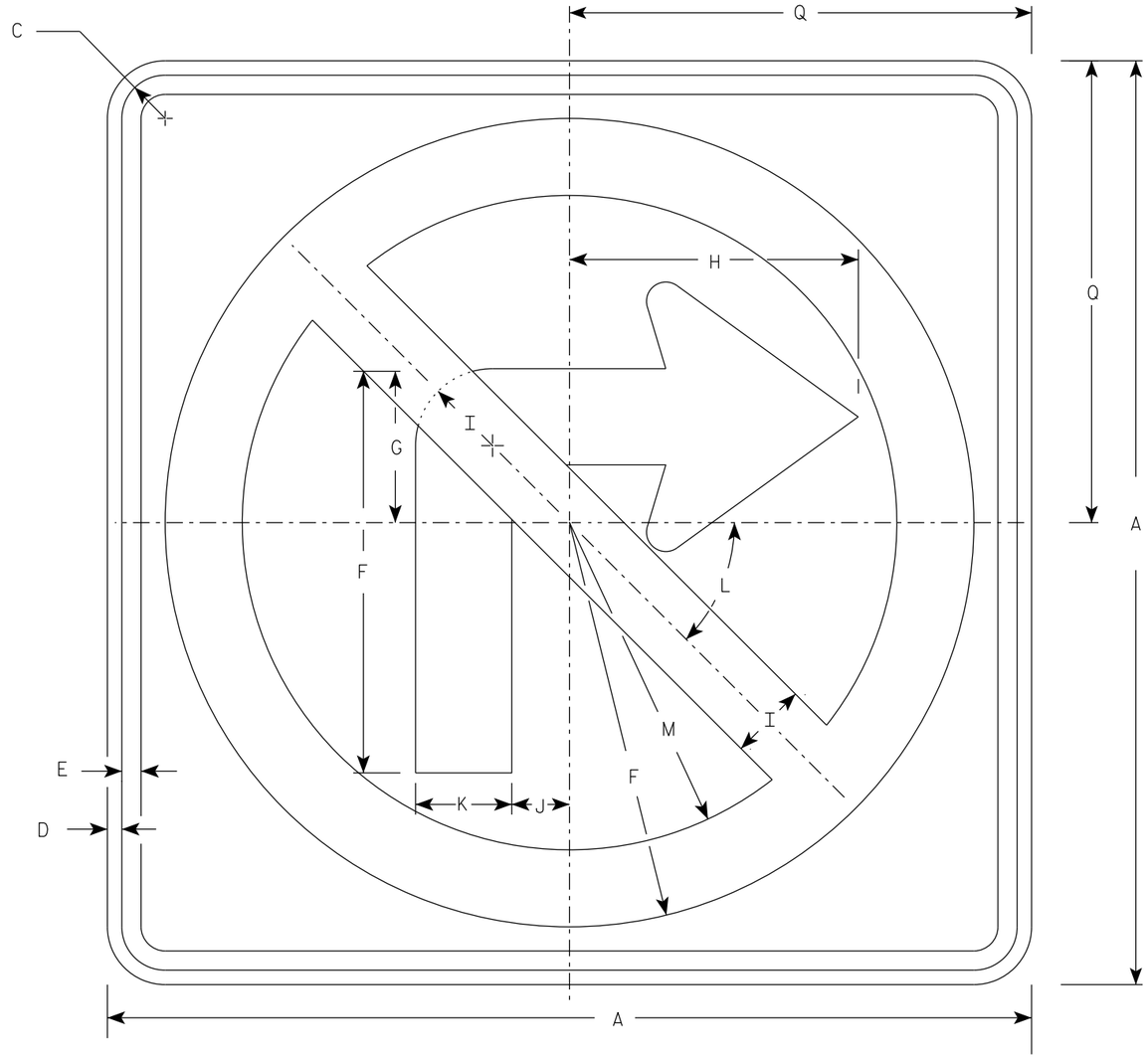
STANDARD SIGN M6-1 & M6-2 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M6-1.16

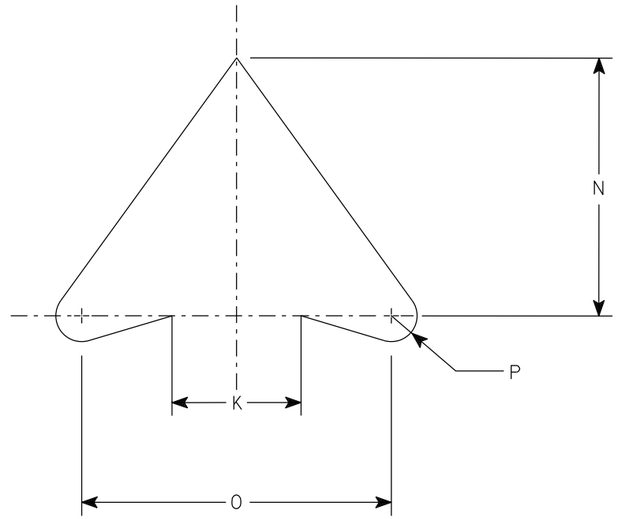
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 285 | E



R3-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 3
3. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/2	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2	5	6	1/2	12										4.0
2S	24		1 1/2	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2	12										4.0
2M	36		2 1/4	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
3	36		2 1/4	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
4	36		2 1/4	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

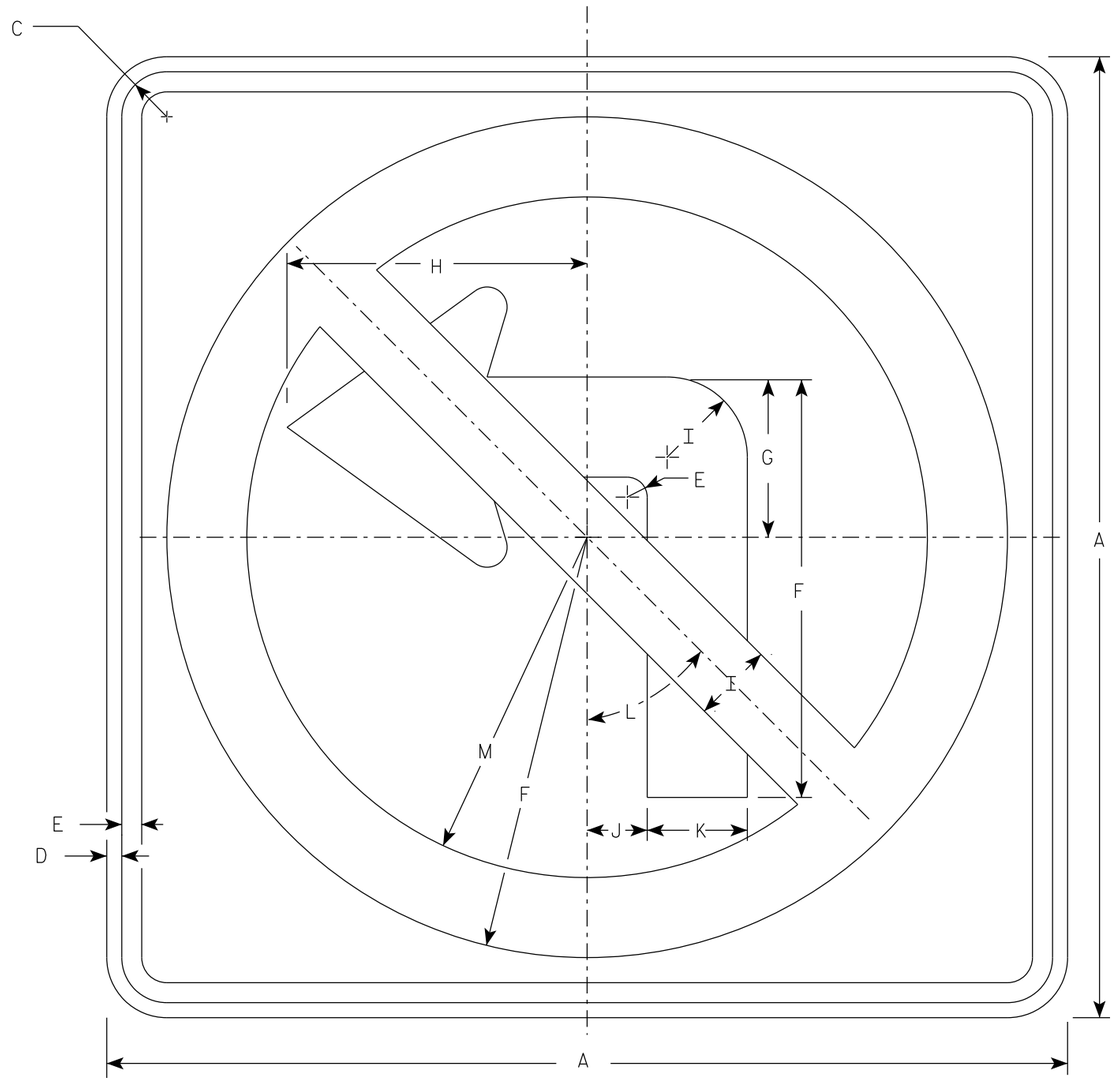
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/2/23 PLATE NO. R3-1.6

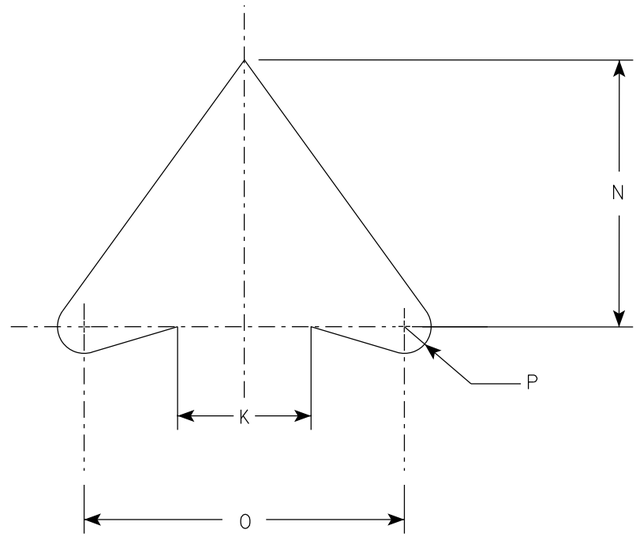
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 286 | E



R3-2

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 3
3. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/2	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/2	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		2 1/4	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		2 1/4	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		2 1/4	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

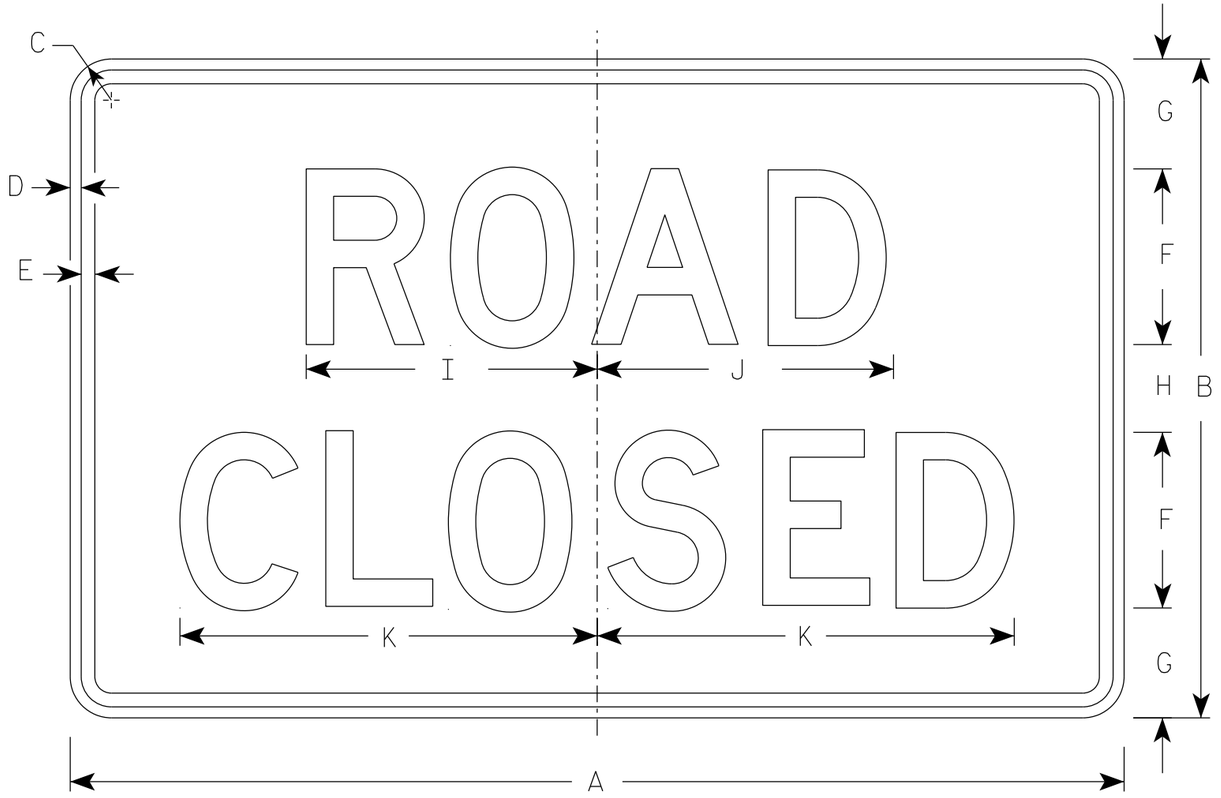
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/2/23 PLATE NO. R3-2.11

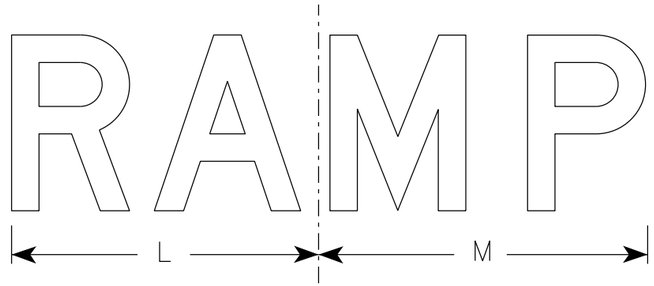
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 287	E



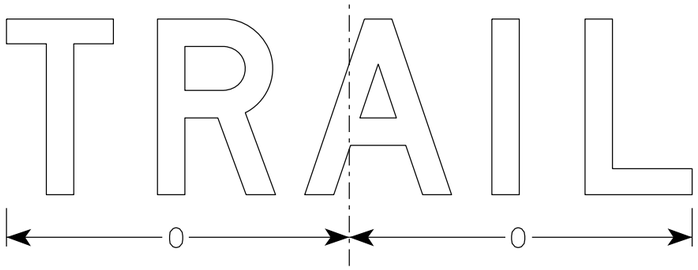
R11-2

NOTES

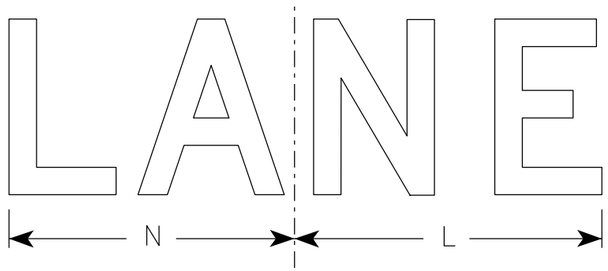
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2T



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
2M	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
3	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
4	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
5	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0

STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-2.12

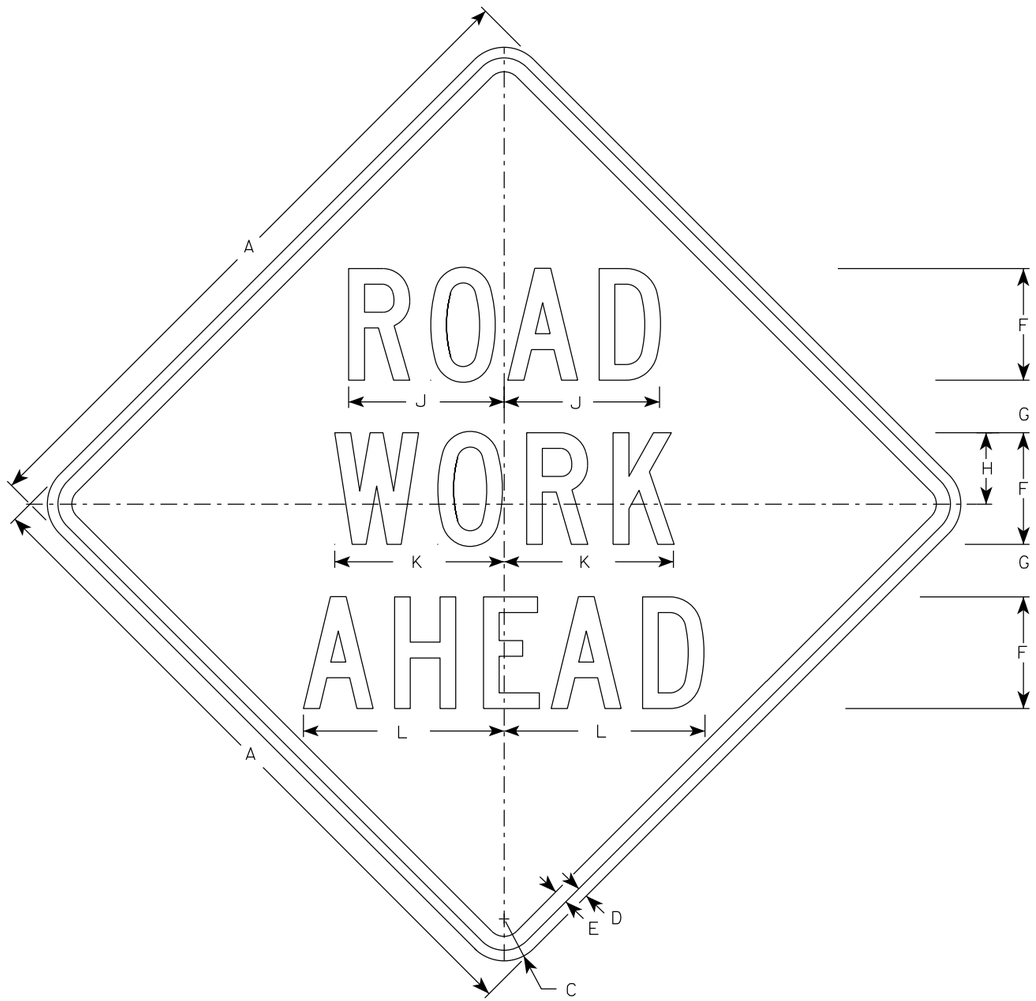
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R112.dgn PLOT DATE : 5-FEB 2024 2:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

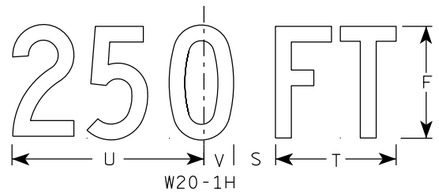
7

NOTES

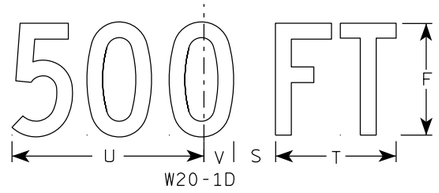
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1A

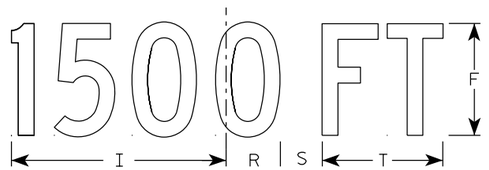


W20-1H

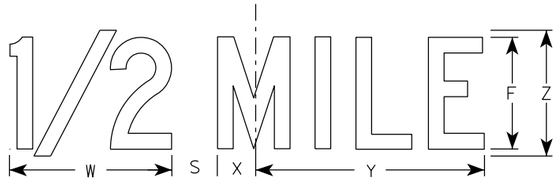


W20-1D

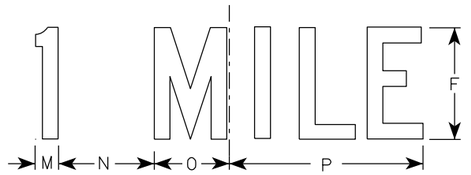
W20-1C



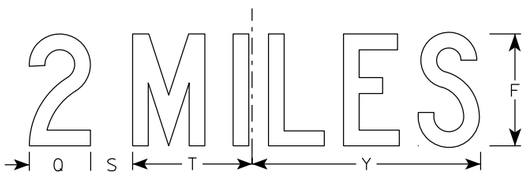
W20-1B



W20-1G



W20-1F



W20-1E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, E, F, G & H

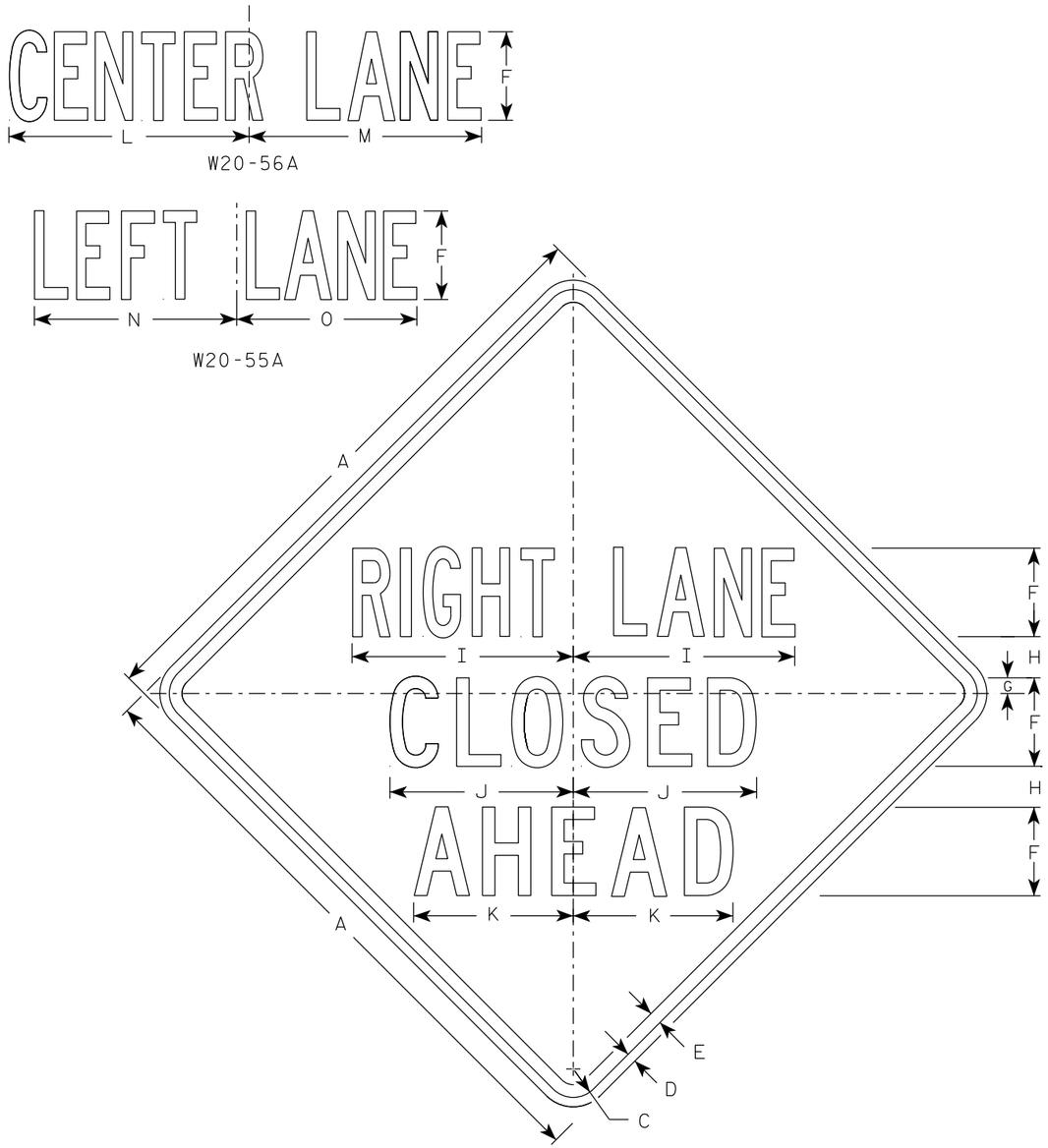
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

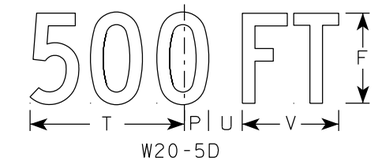
DATE 1/10/2024 PLATE NO. W20-1.12

PROJECT NO:

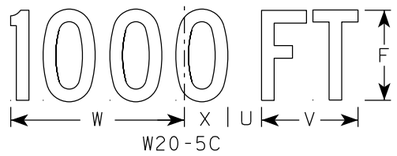
SHEET NO: 289 E



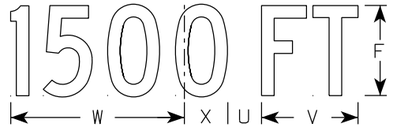
W20-5A



W20-5D



W20-5C



W20-5B

W20-5G

W20-5F

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. " _____ LANE" is Series B.
   All other copy is Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	6	2 1/4	5/8	3/4	5	7/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 7/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

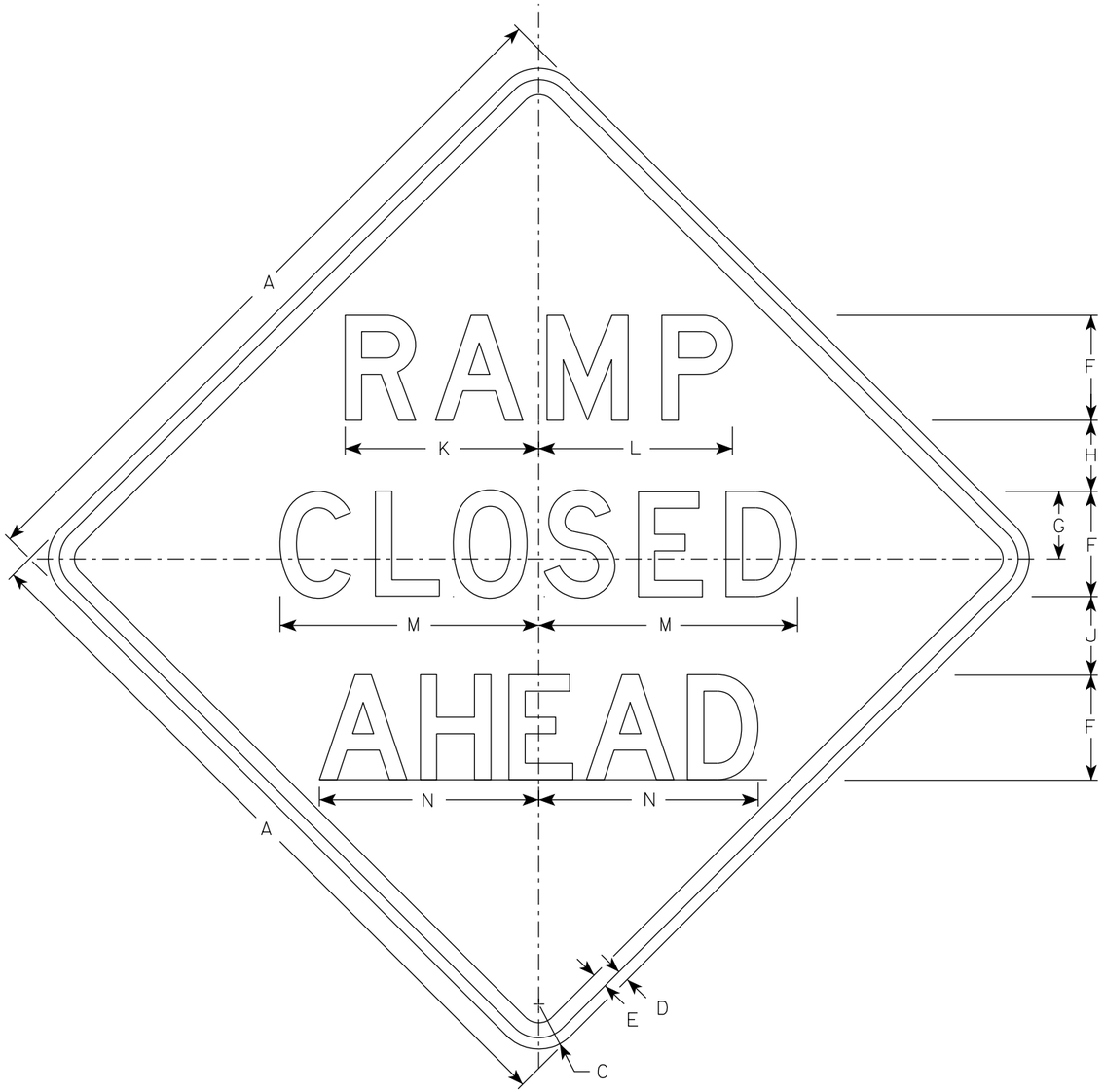
STANDARD SIGN
W20-5A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

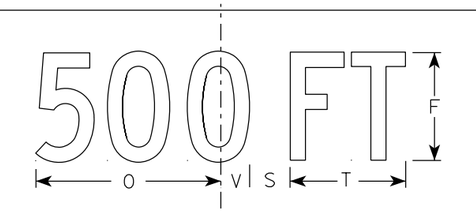
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/27/24 PLATE NO. W20-5.12

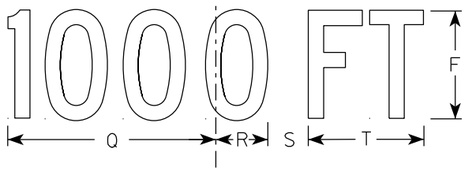
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 290	E



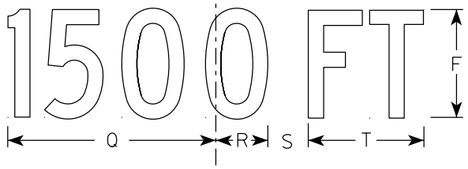
W20-53A



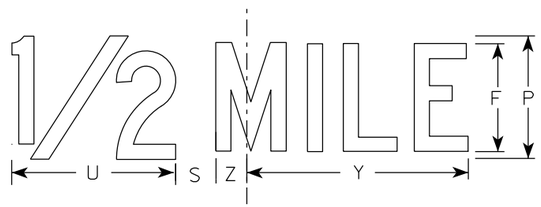
W20-53D



W20-53C



W20-53B



W20-53G

W20-53F

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	9 1/4	9 1/4	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 7/8	12 7/8	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 7/8	12 7/8	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 7/8	12 7/8	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 7/8	12 7/8	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 7/8	12 7/8	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

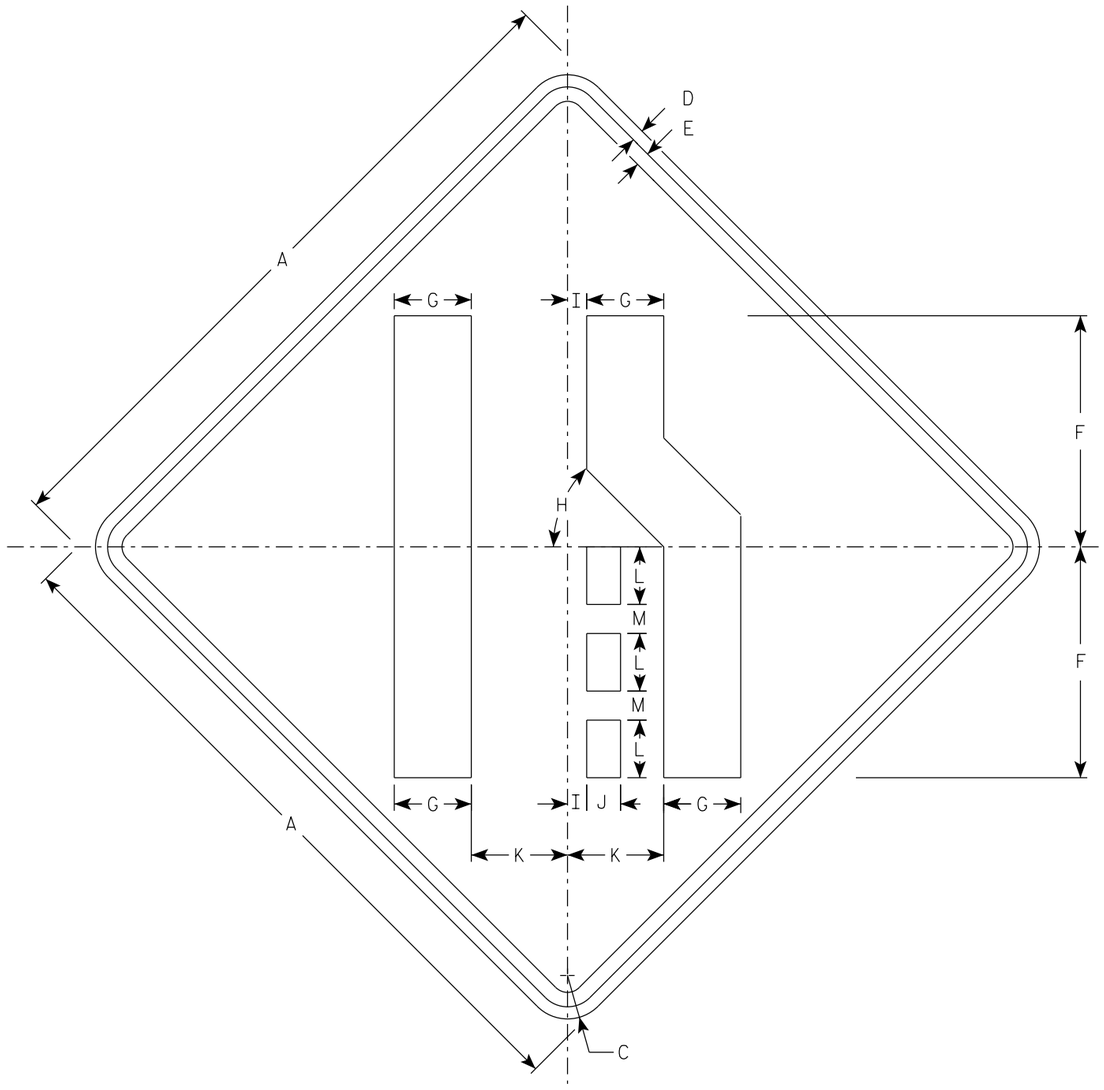
STANDARD SIGN
W20-53A,B,C,D,F,G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-53.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W04-2R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-2L is the same as W04-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

STANDARD SIGN
W04-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/25/2024 PLATE NO. W04-2.2

PROJECT NO:

SHEET NO: 292 E

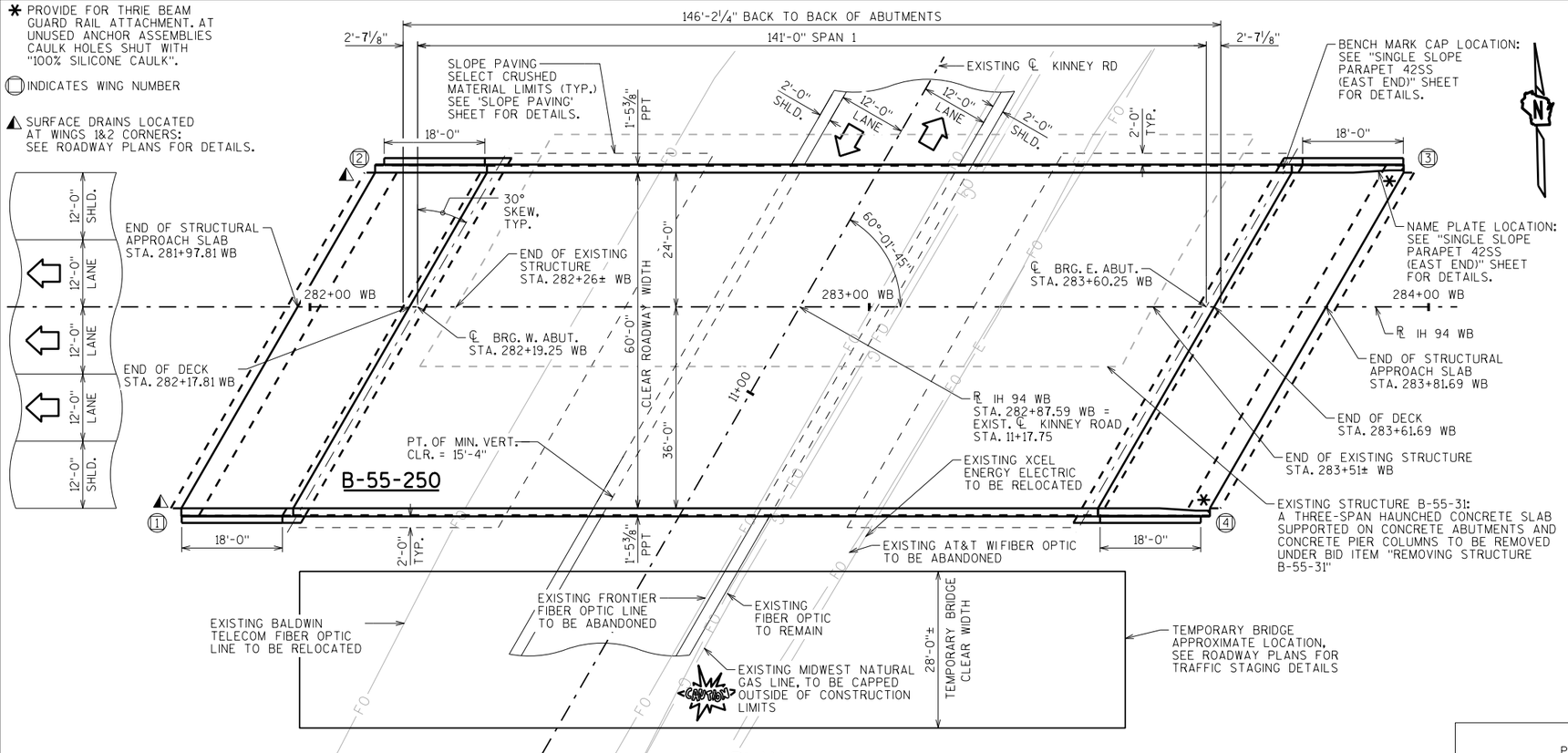
STATE PROJECT NUMBER

1020-07-79

* PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT. AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

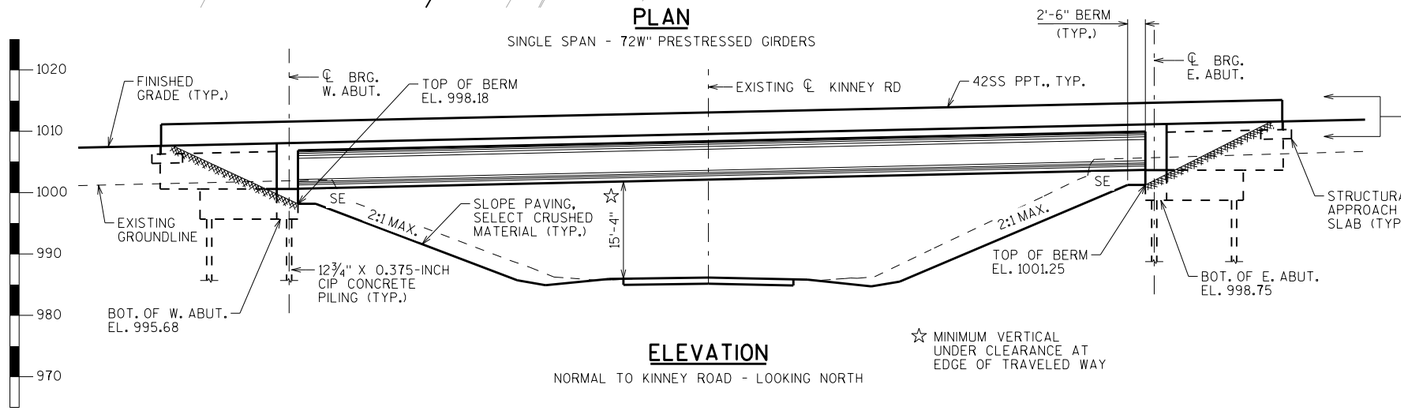
(1) INDICATES WING NUMBER

▲ SURFACE DRAINS LOCATED AT WINGS 1&2 CORNERS: SEE ROADWAY PLANS FOR DETAILS.



PLAN

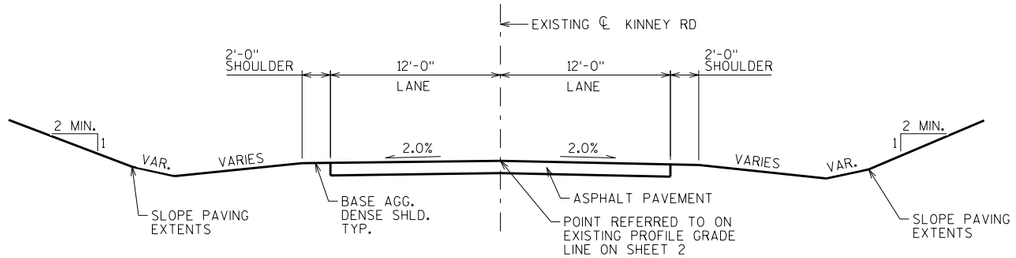
SINGLE SPAN - 72W" PRESTRESSED GIRDERS



ELEVATION

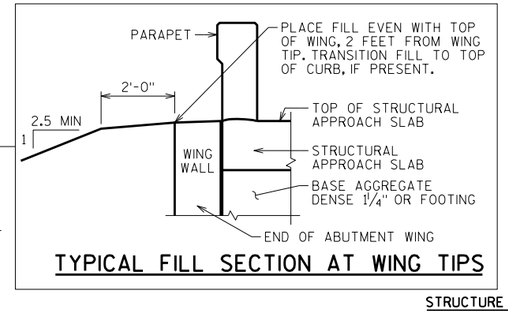
NORMAL TO KINNEY ROAD - LOOKING NORTH

☆ MINIMUM VERTICAL UNDER CLEARANCE AT EDGE OF TRAVELED WAY



EXISTING CROSS SECTION THRU KINNEY RD

NORMAL TO KINNEY ROAD - LOOKING NORTH



TYPICAL FILL SECTION AT WING TIPS

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.13
OPERATING RATING FACTOR: RF = 1.46
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
SUPERSTRUCTURE & STRUCTURAL APPROACH SLABS — f'c = 4,000 P.S.I.
ALL OTHER — f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT:
GRADE 60 — fy = 60,000 P.S.I.
STAINLESS, GRADE 60 — fy = 60,000 P.S.I.

72W" PRESTRESSED GIRDERS:
CONCRETE MASONRY — f'c = 8,000 P.S.I.
STRANDS: 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON 12¾" X 0.375-INCH CIP CONCRETE PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 140 TONS ** PER PILE AS DETERMINED BY THE PDA METHOD.
ESTIMATED 55 FEET LONG AT WEST ABUTMENT.
ESTIMATED 65 FEET LONG AT EAST ABUTMENT.
PREBORING IS REQUIRED FOR SOME PILES AT EAST ABUT. ONLY.

** THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.65 USING THE PDA METHOD TO DETERMINE DRIVEN PILE CAPACITY.

TRAFFIC VOLUME

IH 94
ADT = 51,800. (2046)
R.D.S. = 70 M.P.H.

KINNEY ROAD
ADT = 400 (2038)
R.D.S. = 50 M.P.H.

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. TEMPORARY STRUCTURE CROSS SECTION
4. SUBSURFACE EXPLORATION
5. WEST ABUTMENT
6. WEST ABUTMENT DETAILS
7. EAST ABUTMENT
8. EAST ABUTMENT DETAILS
9. 72W" PRESTRESSED GIRDER DETAILS 1
10. 72W" PRESTRESSED GIRDER DETAILS 2
11. STEEL DIAPHRAGM
12. SUPERSTRUCTURE CROSS SECTIONS
13. ABUTMENT DIAPHRAGMS
14. SUPERSTRUCTURE PLAN
15. DECK (BOTTOM STEEL)
16. DECK (TOP STEEL)
17. SUPERSTRUCTURE BAR DETAILS
18. STRUCTURAL APPROACH SLABS
19. STRUCTURAL APPROACH SLAB DETAILS
20. SINGLE SLOPE PARAPET 42SS (WEST END)
21. SINGLE SLOPE PARAPET 42SS (EAST END)
22. STRUCTURAL APPROACH SLAB BAR DETAILS
23. SLOPE PAVING SELECT CRUSHED MATERIAL
24. ALTERNATE CONSTRUCTION JOINT

STRUCTURE DESIGN CONTACTS:
MAXWELL KULICK (608) 261-6108
DOMINIQUE BECHLE (608) 261-8205

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED DMB 04/01/24
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-55-250

IH 94 WB OVER KINNEY ROAD

COUNTY: ST. CROIX | TOWN: HUDSON

DESIGN SPEC.: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
MJK	SCL	JPH	MJK

GENERAL PLAN

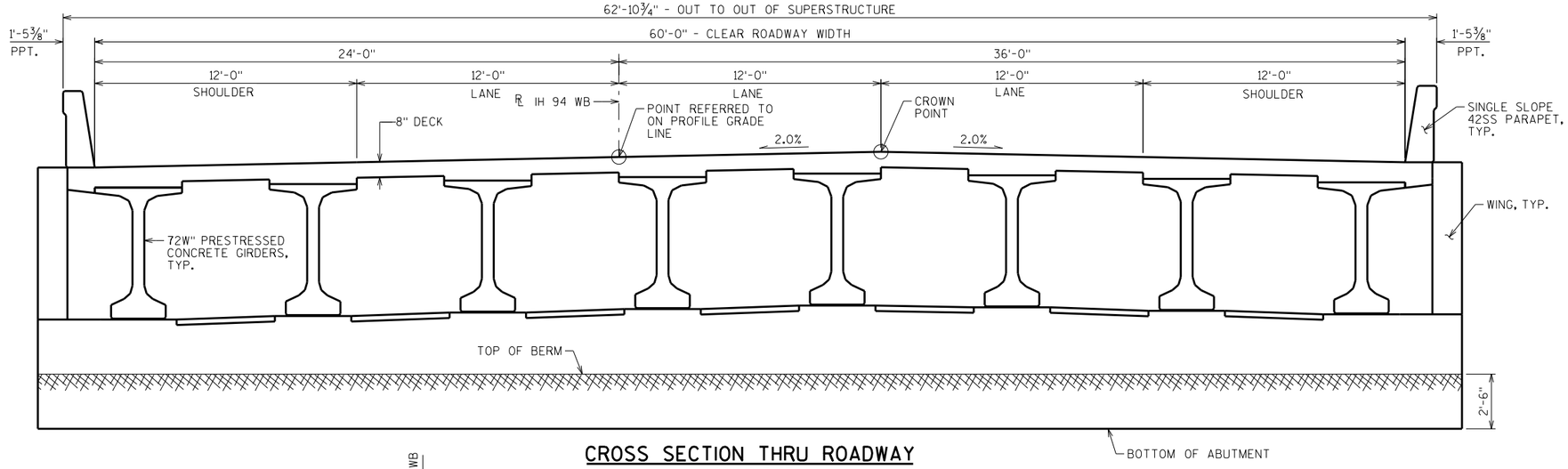
SHEET 1 OF 24

293

I.D. 1020-07-09A

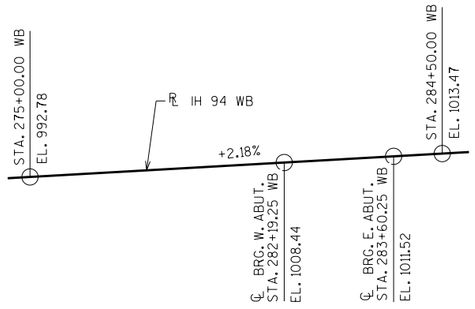
DATE: MAY 2020

SCALE = 12.00

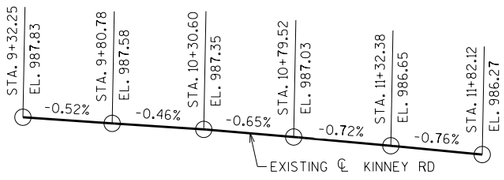


CROSS SECTION THRU ROADWAY

LOOKING EAST



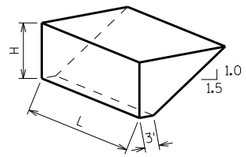
PROFILE GRADE LINE - IH 94 WB



EXISTING PROFILE GRADE LINE - KINNEY RD

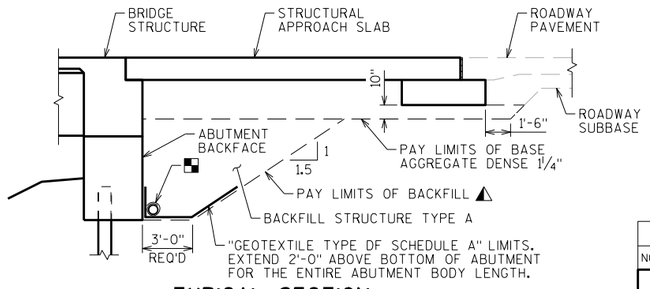
TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	W. STRUCT. APP. SLAB	WEST ABUT.	EAST ABUT.	E. STRUCT. APP. SLAB	TOTALS
203.0220	REMOVING STRUCTURE B-55-31	EACH	———	———	———	———	———	1
206.1001	EXCAVATION FOR STRUCTURES BRIDGES B-55-250	EACH	———	———	———	———	———	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	---	---	485	485	---	970
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	---	194	---	---	194	388
502.0100	CONCRETE MASONRY BRIDGES	CY	435	88	78	79	87	767
502.3200	PROTECTIVE SURFACE TREATMENT	SY	997	134	---	---	134	1,265
502.3210	PIGMENTED SURFACE SEALER	SY	142	20	---	---	20	182
503.0172	PRESTRESSED GIRDER TYPE I 72W-INCH	LF	1,136	---	---	---	---	1,136
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	---	---	5,830	5,850	---	11,680
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	66,800	15,060	3,140	3,430	15,200	103,630
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	2,110	---	---	---	---	2,110
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	16	---	---	---	---	16
506.4000	STEEL DIAPHRAGMS B-55-250	EACH	14	---	---	---	---	14
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	---	---	20	20	---	40
526.0101	TEMPORARY STRUCTURE STA. 282+72 WB	EACH	---	---	---	---	---	1
550.0020	PRE-BORING ROCK OR CONSOLIDATED MATERIALS	LF	---	---	---	200	---	200
550.2126	PILING CIP CONCRETE 12 3/4 X 0.375-INCH	LF	---	---	1,100	1,300	---	2,400
604.0600	SLOPE PAVING SELECT CRUSHED MATERIAL	SY	---	---	290	330	---	620
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	---	---	140	140	---	280
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	2	---	---	---	---	2
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	---	---	72	72	---	144
SPV.0060	PILE DYNAMIC ANALYZER (PDA) TESTING	EACH	---	---	2	2	---	4
SPV.0060	PILE DYNAMIC ANALYZER (PDA) RESTRIKES	EACH	---	---	2	2	---	4
SPV.0060	CASE PILE WAVE ANALYSIS PROGRAM (CAPWAP) EVALUATION	EACH	---	---	1	1	---	2
	NON-BID ITEMS							
	FILLER	SIZE	———	———	———	———	———	½", ¾", 1½"



ABUTMENT BACKFILL DIAGRAM FOR WINGS PARALLEL TO ROADWAY

L = OUT TO OUT OF ABUTMENT, INCLUDING WINGS (FT)
H = AVERAGE ABUTMENT FILL HEIGHT (FT)
EF = EXPANSION FACTOR (1.20 FOR CY BID ITEMS AND 1.00 FOR TON BID ITEMS)
V_{CF} = (L)(3.0')(H) + (L)(0.5)(1.5H)(H)
V_{CY} = V_{CF} (EF)/27
V_{TON} = V_{CY} (2.0)



TYPICAL SECTION THRU ABUTMENT

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

▪ PIPE UNDERDRAIN WRAPPED (6 INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.

STATE PROJECT NUMBER

1020-07-79

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES B-55-250" SHALL BE THE EXISTING GROUNDLINE.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A. ALSO EXCLUDED IS THE "BASE AGGREGATE DENSE 1 1/4-INCH" AS DETAILED ON THE STRUCTURAL APPROACH SLAB SHEETS.

EXCAVATION BELOW THE ABUTMENT AND ABUTMENT BEDDING MATERIALS REQUIRES ENGINEER APPROVAL. GEOTEXTILE SHALL BE SET AT THE BOTTOM OF EXCAVATION AND EXTEND 2'-0" ABOVE BOTTOM OF ABUTMENT.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK AND APPROACH SLAB SURFACES AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGMS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS, INCLUDING PARAPETS ON APPROACH SLABS.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON SHEET 1 AND THE ABUTMENT DETAILS.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE "72W PRESTRESSED GIRDER DETAILS 2" SHEET.

EXISTING STRUCTURE B-55-31 IS A 3-SPAN HAUNCHED SLAB WITH ABUTMENTS AND PIERS SUPPORTED ON TIMBER PILING AND IS TO BE REMOVED.

ANY TEMPORARY SHORING REQUIRED TO CONSTRUCT THE TEMPORARY STRUCTURE WILL BE INCIDENTAL TO BID ITEM "TEMPORARY STRUCTURE STA. 282+72 WB"

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-250

DRAWN BY JPH | PLANS CK'D. MJK

CROSS SECTION & QUANTITIES

SHEET 2

294

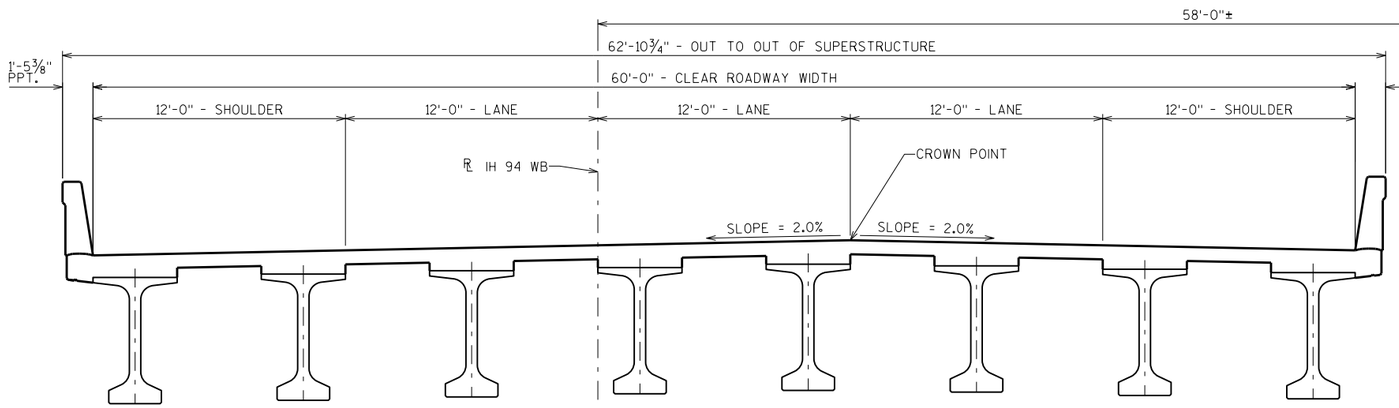
8

8

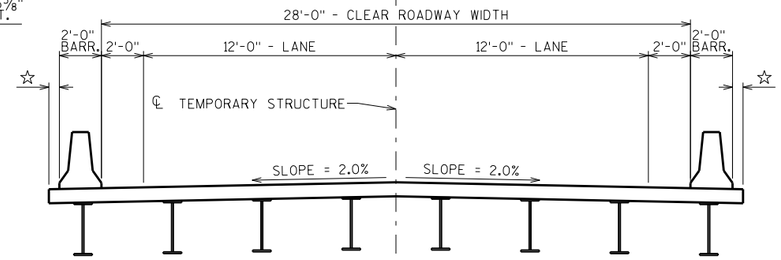
SCALE = 3.00

STATE PROJECT NUMBER

1020-07-79



B-55-250



TEMPORARY STRUCTURE

PROPOSED CROSS SECTION THRU ROADWAY - IH 94 WB OVER KINNEY ROAD (LOOKING EAST)

☆ TEMPORARY CONCRETE BARRIER MINIMUM DEFLECTION CLEARANCE

DRIVING SURFACE	BARRIER CONNECTION	CONSTRUCTION POSTED SPEED	
		40 MPH OR LESS	45 MPH OR GREATER
ASPHALTIC OVERLAY	UNANCHORED	2'-0"	4'-0"
REINFORCED CONCRETE			
	ANCHORED	6"	

NOTE:
SEE ROADWAY PLANS FOR
FULL STAGING DETAILS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-250

DRAWN BY JPH | PLANS CK'D. MJK

TEMPORARY STRUCTURE CROSS SECTION

SHEET 3

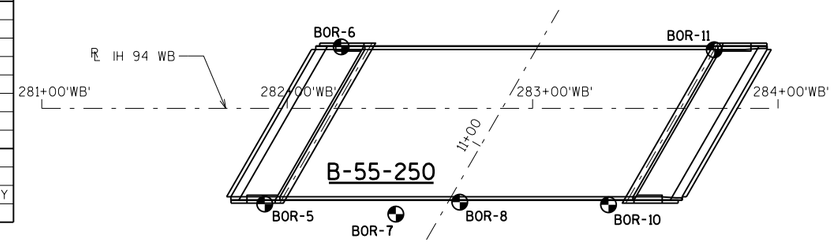
295

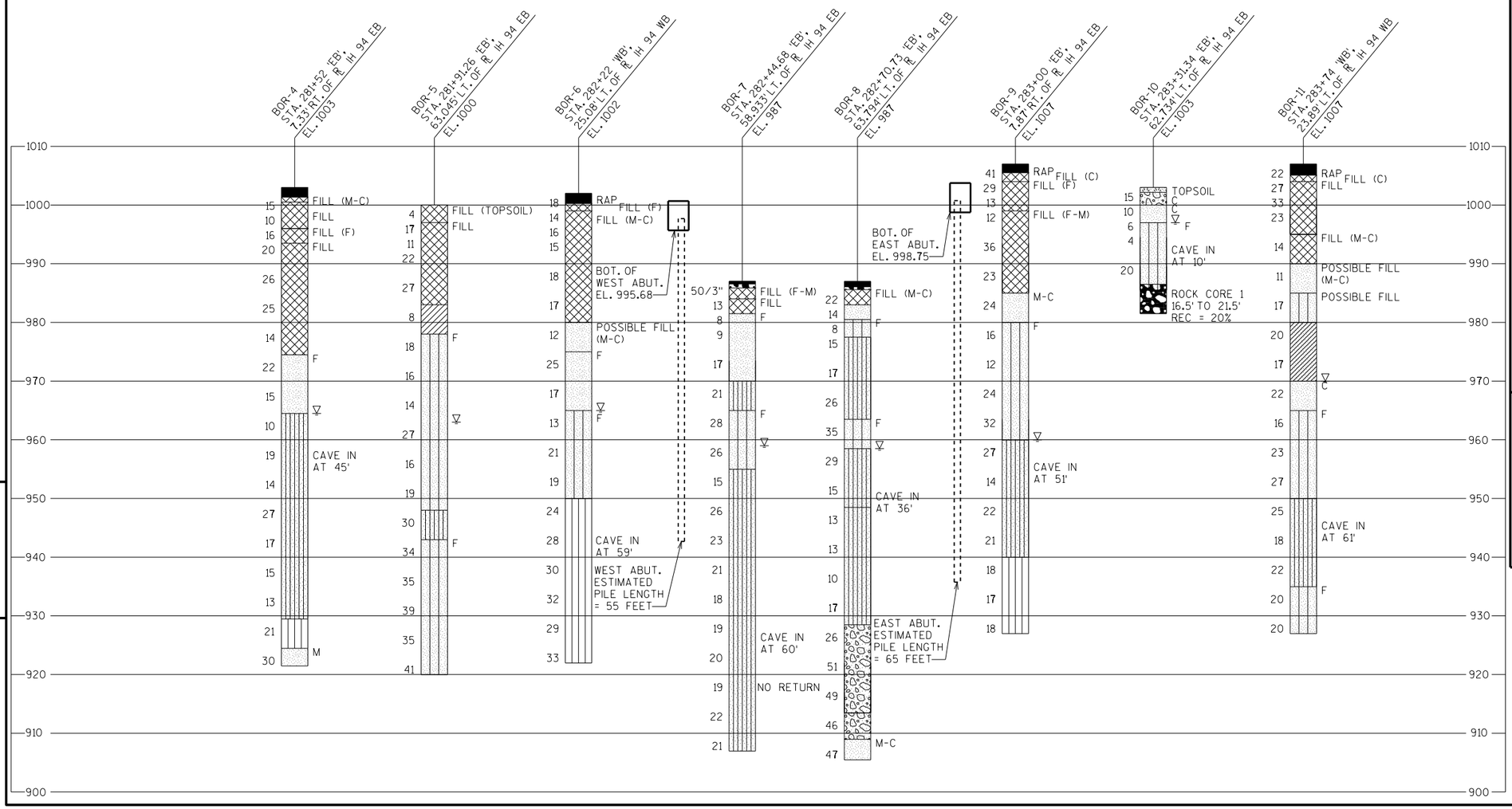
SCALE = 3.50

8

8

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
4	12/11/2018	338059	540590
5	11/27/2018	338129	540630
6	12/04/2018	338193	540662
7	12/13/2018	338124	540683
8	12/12/2018	338129	540709
9	12/11/2018	338057	540737
10	11/08/2018	338127	540770
11	12/05/2018	338189	540814
BORINGS COMPLETED BY: PSI			
REPORT COMPLETED BY: PSI			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) ST. CROIX COUNTY			
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT			





8

8

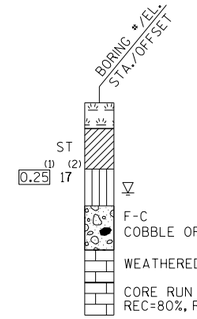
STATE PROJECT NUMBER

1020-07-79

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-250

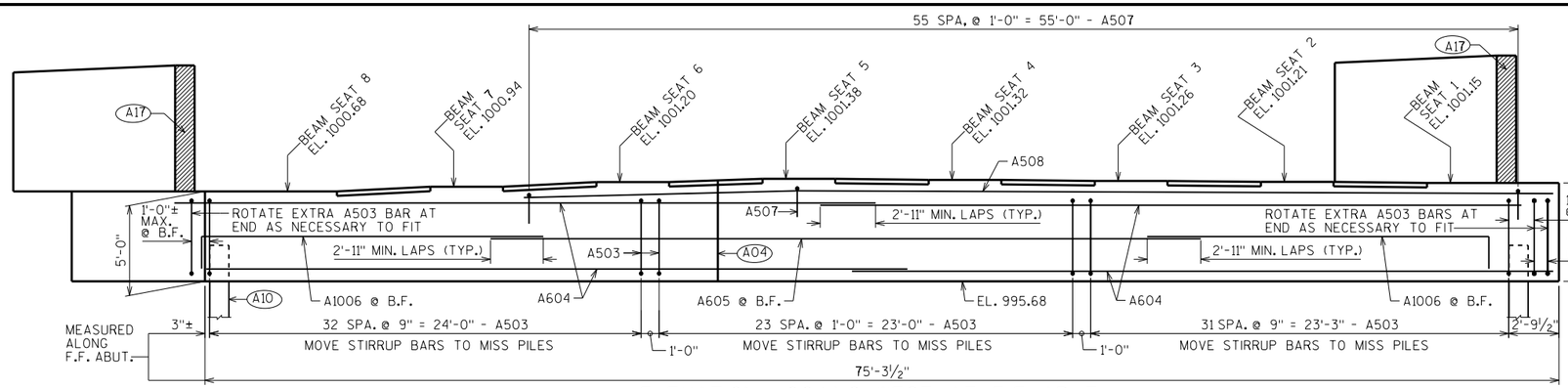
DRAWN BY TLP/JPH | PLANS CK'D. MJK

SUBSURFACE EXPLORATION

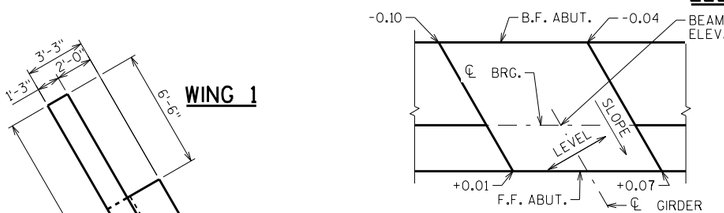
SHEET 4

296

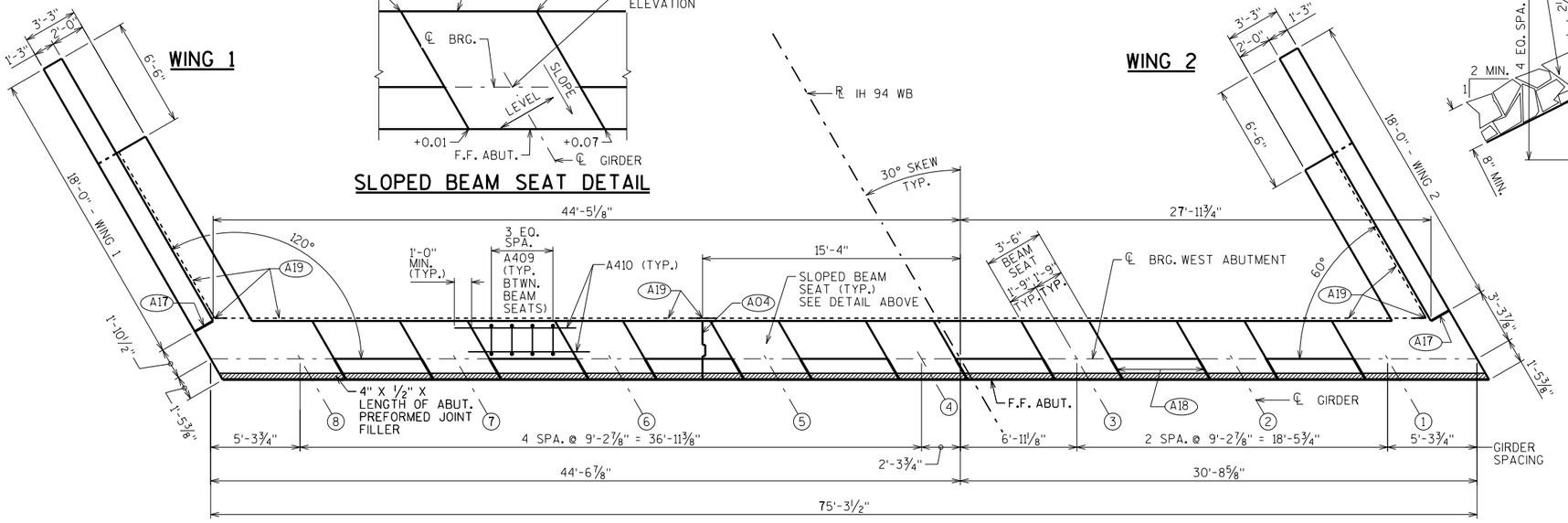
SCALE = 30.00



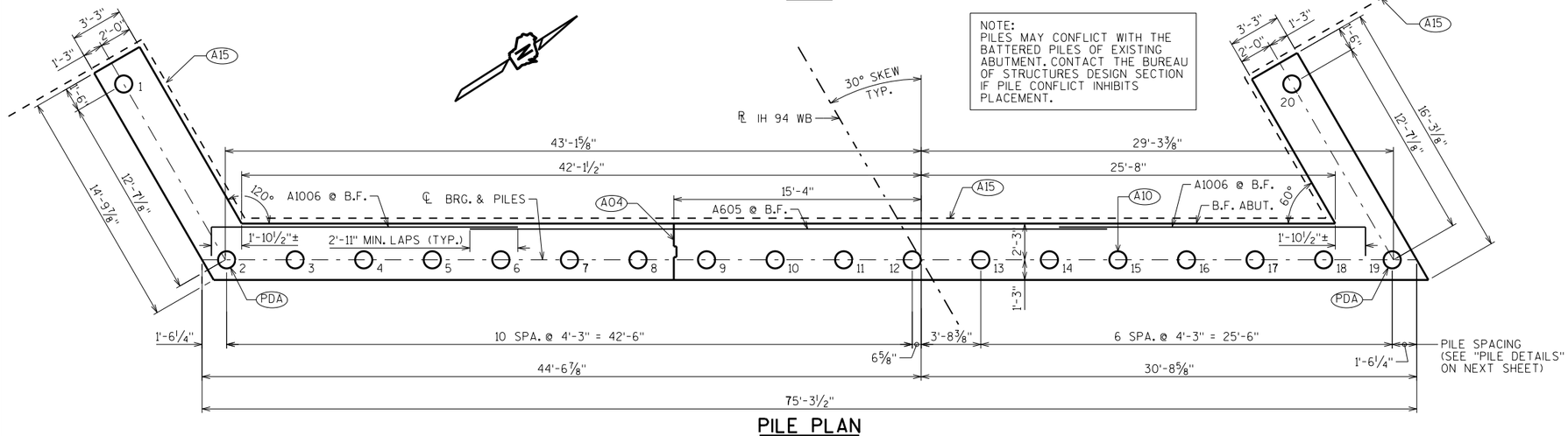
ELEVATION LOOKING WEST AT F.F. ABUT.



SLOPED BEAM SEAT DETAIL

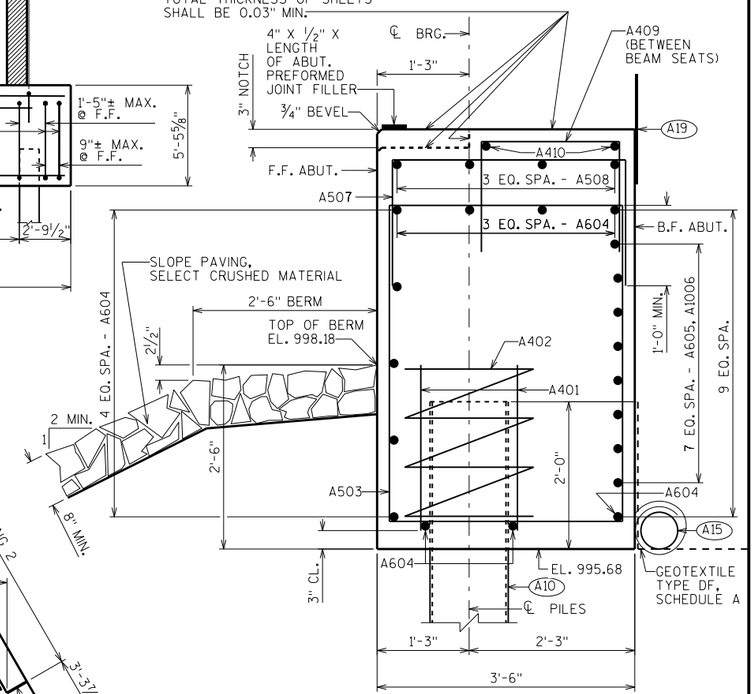


PLAN



PILE PLAN

STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING BEARING PADS. TOTAL THICKNESS OF SHEETS SHALL BE 0.03" MIN.



SECTION THRU BODY

○ INDICATES GIRDER NUMBER

(A04) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2" x 8". ¾" "V" GROOVE @ THE FRONT FACE AND 18" RMW @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

(A10) SUPPORT ABUTMENT ON 12¾" DIA. X 0.375" CIP CONCRETE PILING, ESTIMATED 55'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 140 TONS PER PILE. SEE "PILE DETAILS" ON NEXT SHEET.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) ½" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A18) ¾" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

(PDA) PILE DYNAMIC ANALYZER TESTING AND RESTRIKES REQUIRED AT THIS PILE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-250

DRAWN BY JPH | PLANS CK'D. MJK

WEST ABUTMENT

SHEET 5

297

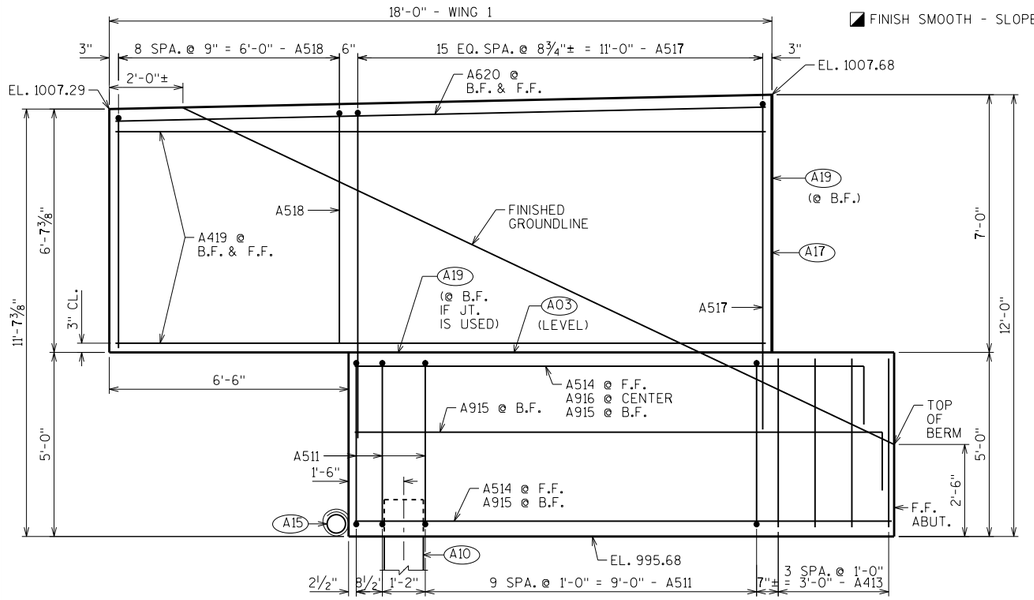
STATE PROJECT NUMBER

1020-07-79

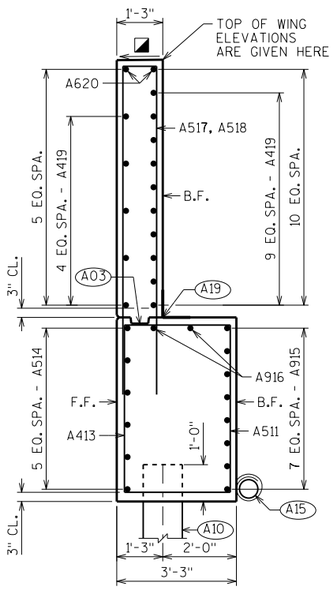
8

8

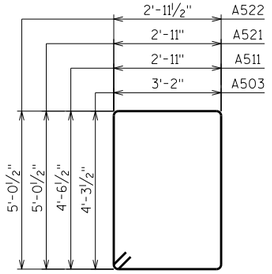
SCALE = 4.00



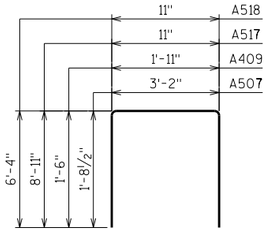
WING 1 ELEVATION LOOKING AT F.F. WING



WING 1 SECTION



A503 A511 A521 A522



A507 A409 A517 A518

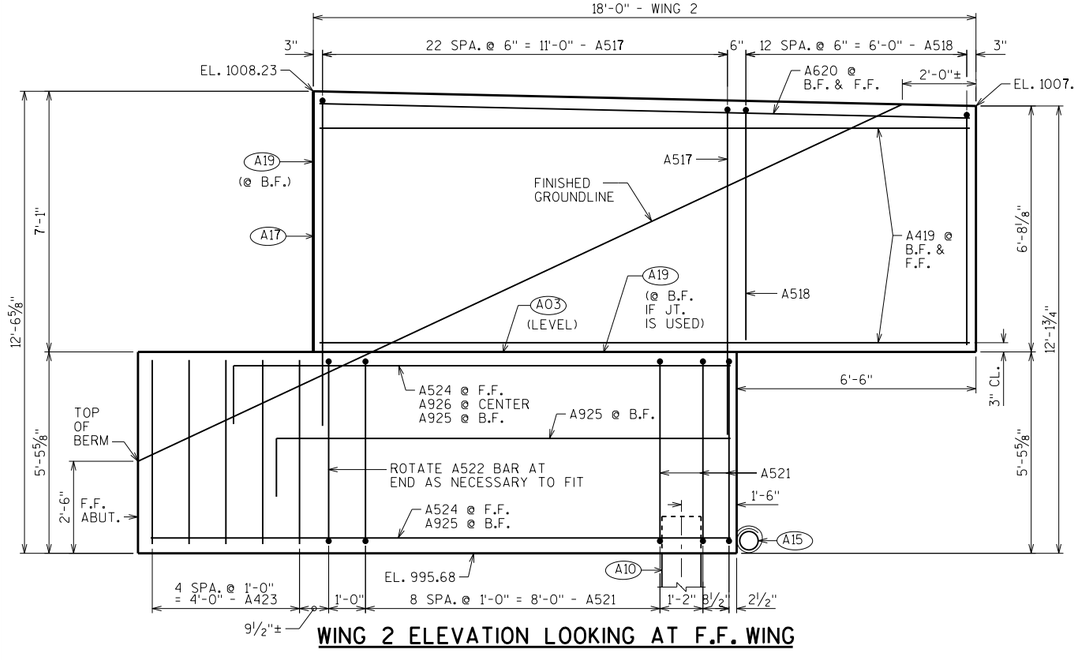
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

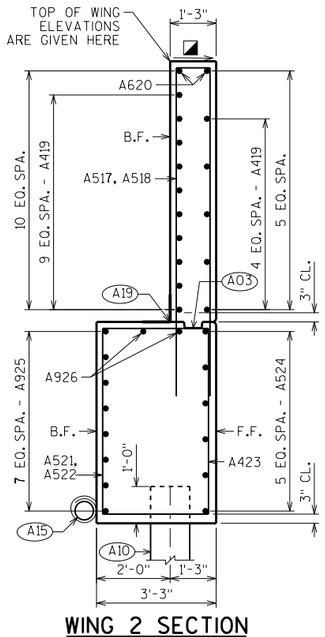
STATE PROJECT NUMBER

1020-07-79

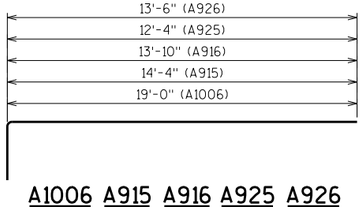
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
A401		36	2'-3"		BODY-BOTTOM-2 PER BODY PILE-VERTICAL
A402		18	28'-0"	X	BODY-BOT.-SPIRAL-1 PER BODY PILE-VERT.
A503		92	15'-7"	X	BODY-STIRRUPS-VERT.
A604		22	39'-0"		BODY-HORIZONTAL
A605		8	39'-6"		BODY-HORIZONTAL-B.F.-AT CENTER
A1006		16	20'-6"	X	BODY-HORIZONTAL-B.F.-AT BOTH ENDS
A507		56	6'-4"	X	BODY-TOP-VERT.-UNDER BEAM SEATS 1-6
A508		4	57'-3"		BODY-TOP-HORIZ.-UNDER BEAM SEATS 1-6
A409		28	4'-9"	X	BODY-TOP-VERT.-BETWEEN BEAM SEATS
A410		14	7'-3"		BODY-TOP-HORIZ.-BETWEEN BEAM SEATS
A511	X	12	15'-7"	X	WING 1-BOT.-STIRRUP-VERT.
A512		--	--		NOT USED
A413	X	4	4'-7"		WING 1 F.F./BODY END-BOT.-VERT.
A514	X	6	14'-7"		WING 1-BOT.-HORIZONTAL-F.F.
A915	X	8	15'-8"	X	WING 1-BOT.-HORIZONTAL-B.F.
A916	X	2	15'-2"	X	WING 1-BOT.-HORIZONTAL-CENTER
A517	X	39	18'-6"	X	WINGS 1&2-TOP-VERTICAL
A518	X	22	13'-4"	X	WINGS 1&2-TOP-VERTICAL-AT END
A419	X	30	17'-8"		WINGS 1&2-TOP-HORIZONTAL-B.F. & F.F.
A620	X	4	17'-8"		WINGS 1&2-TOP-HORIZONTAL-B.F. & F.F.
A521	X	11	16'-7"	X	WING 2-BOT.-STIRRUP-VERT.
A522	X	1	16'-8"	X	WING 2-BOT.-STIRRUP-VERT.-AT B.F. ABUT.
A423	X	5	5'-0"		WING 2 F.F./BODY END-BOT.-VERT.
A524	X	6	15'-9"		WING 2-BOT.-HORIZONTAL-F.F.
A925	X	8	13'-8"	X	WING 2-BOT.-HORIZONTAL-B.F.
A926	X	2	14'-10"	X	WING 2-BOT.-HORIZONTAL-CENTER



WING 2 ELEVATION LOOKING AT F.F. WING



WING 2 SECTION



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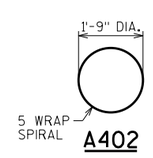

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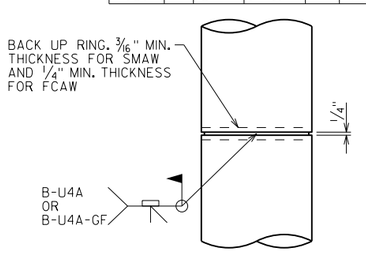
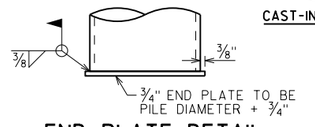
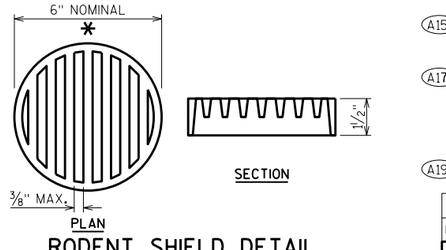


CAST-IN-PLACE 'PIPE PILE' C.I.P. PILE WELD DETAIL



END PLATE DETAIL



RODENT SHIELD DETAIL

PILE DETAILS

(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2" x 6". (18" RMW @ B.F. & ¾" "V" GROOVE @ F.F. IF JOINT IS USED).

(A10) SUPPORT ABUTMENT ON 12¾" DIA. X 0.375" CIP CONCRETE PILING, ESTIMATED 55'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 140 TONS PER PILE.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) ½" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

*DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-250

DRAWN BY JPH | PLANS CK'D. MJK

WEST ABUTMENT DETAILS

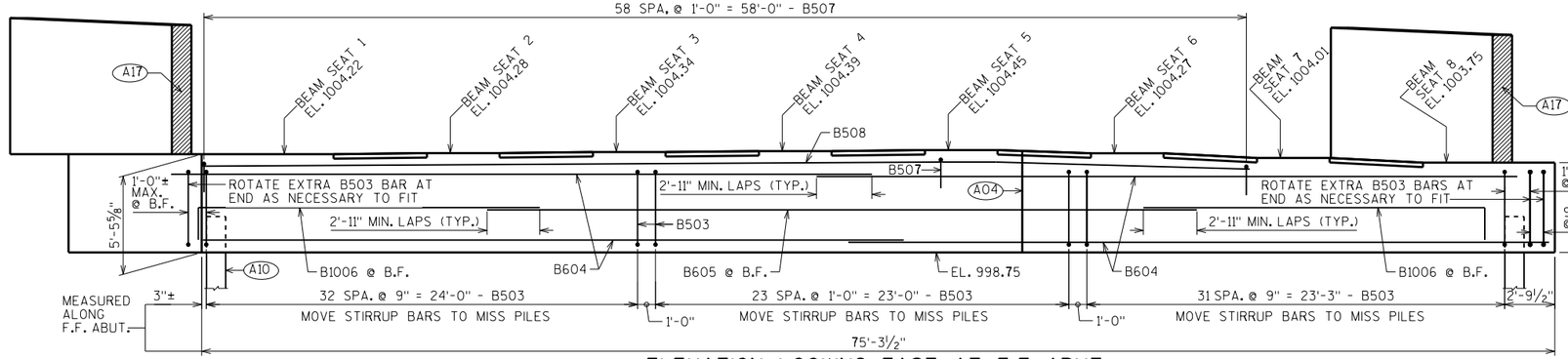
SHEET 6

298

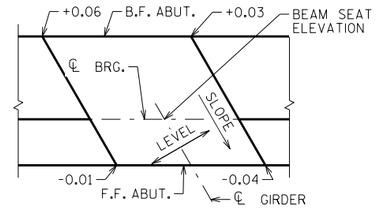
8

8

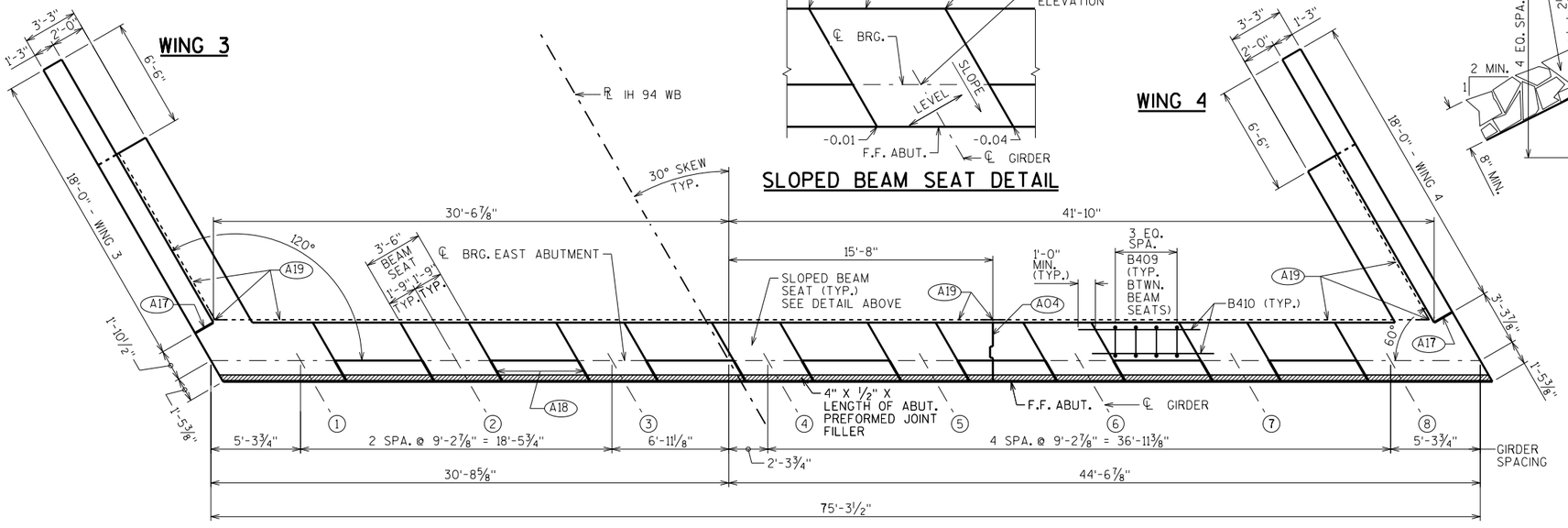
SCALE = 2.00



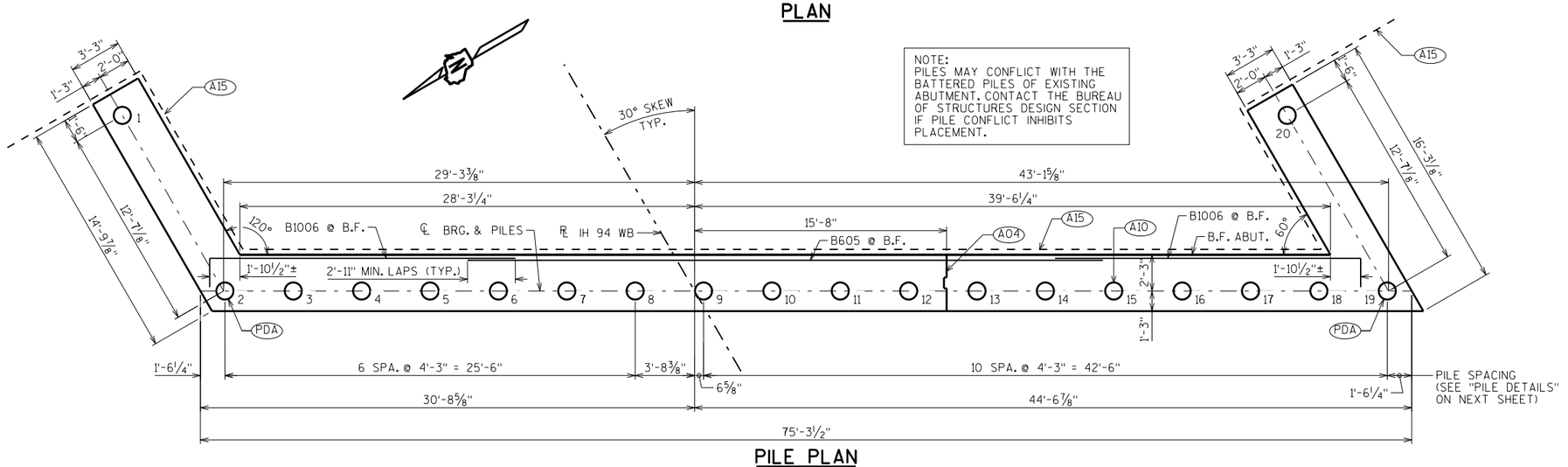
ELEVATION LOOKING EAST AT F.F. ABUT.



SLOPED BEAM SEAT DETAIL

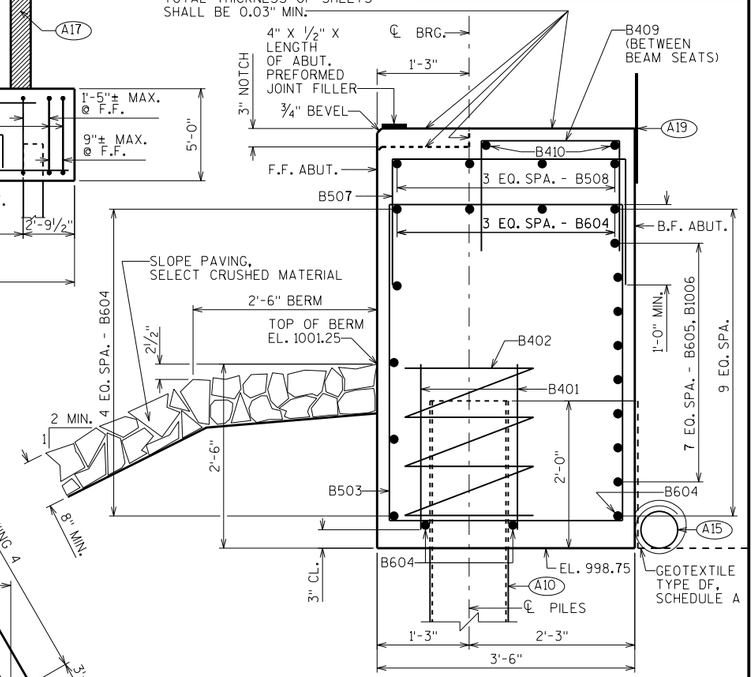


PLAN



PILE PLAN

STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING BEARING PADS. TOTAL THICKNESS OF SHEETS SHALL BE 0.03" MIN.



SECTION THRU BODY

◯ INDICATES GIRDER NUMBER

(A04) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2" × 8". ¾" "V" GROOVE @ THE FRONT FACE AND 18" RMW @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

(A10) SUPPORT ABUTMENT ON 12¾" DIA. X 0.375" CIP CONCRETE PILING, ESTIMATED 65'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 140 TONS PER PILE. SEE "PILE DETAILS" ON NEXT SHEET. PILES 11 THRU 20 WILL REQUIRE PREBORING FOR THE FIRST 20 FEET OF PILE DRIVING OPERATION. BEGIN PILE DRIVING AT NORTH END OF ABUTMENT.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) ½" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A18) ¾" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

(PDA) PILE DYNAMIC ANALYZER TESTING AND RESTRIKES REQUIRED AT THIS PILE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-250

DRAWN BY JPH | PLANS CK'D. MJK

EAST ABUTMENT

SHEET 7

299

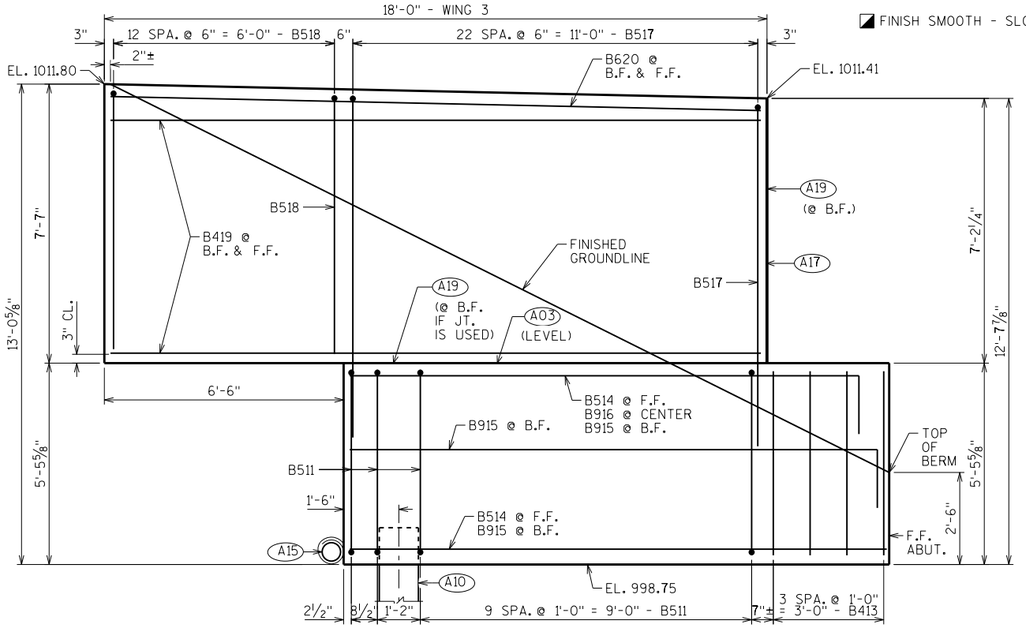
STATE PROJECT NUMBER

1020-07-79

8

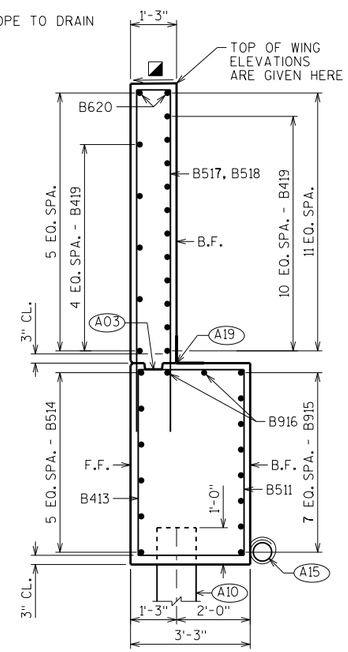
8

SCALE = 4.00



WING 3 ELEVATION LOOKING AT F.F. WING

FINISH SMOOTH - SLOPE TO DRAIN

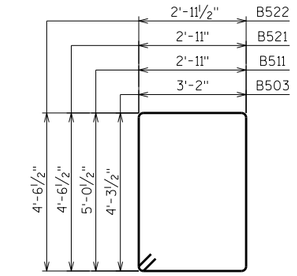


WING 3 SECTION

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
B401		36	2'-3"		BODY-BOTTOM-2 PER BODY PILE-VERTICAL
B402		18	28'-0"	X	BODY-BOT.-SPIRAL-1 PER BODY PILE-VERT.
B503		92	15'-7"	X	BODY-STIRRUPS-VERT.
B604		22	39'-0"		BODY-HORIZONTAL
B605		8	39'-6"		BODY-HORIZONTAL-B.F.-AT CENTER
B1006		16	20'-6"	X	BODY-HORIZONTAL-B.F.-AT BOTH ENDS
B507		59	6'-4"	X	BODY-TOP-VERT.-UNDER BEAM SEATS 1-6
B508		4	58'-3"		BODY-TOP-HORIZ.-UNDER BEAM SEATS 1-6
B409		28	4'-9"	X	BODY-TOP-VERT.-BETWEEN BEAM SEATS
B410		14	7'-3"		BODY-TOP-HORIZ.-BETWEEN BEAM SEATS
B511	X	12	16'-7"	X	WING 3-BOT.-STIRRUP-VERT.
B512		--	--		NOT USED
B413	X	4	5'-0"		WING 3 F.F./BODY END-BOT.-VERT.
B514	X	6	14'-7"		WING 3-BOT.-HORIZONTAL-F.F.
B915	X	8	15'-8"	X	WING 3-BOT.-HORIZONTAL-B.F.
B916	X	2	15'-2"	X	WING 3-BOT.-HORIZONTAL-CENTER
B517	X	46	19'-3"	X	WINGS 3&4-TOP-VERTICAL
B518	X	13	14'-9"	X	WING 3-TOP-VERTICAL-AT END
B419	X	32	17'-8"		WINGS 3&4-TOP-HORIZONTAL-B.F. & F.F.
B620	X	4	17'-8"		WINGS 3&4-TOP-HORIZONTAL-B.F. & F.F.
B521	X	11	15'-7"	X	WING 4-BOT.-STIRRUP-VERT.
B522	X	1	15'-8"	X	WING 4-BOT.-STIRRUP-VERT.-AT B.F. ABUT.
B423	X	5	4'-7"		WING 4 F.F./BODY END-BOT.-VERT.
B524	X	6	15'-9"		WING 4-BOT.-HORIZONTAL-F.F.
B925	X	8	13'-8"	X	WING 4-BOT.-HORIZONTAL-B.F.
B926	X	2	14'-10"	X	WING 4-BOT.-HORIZONTAL-CENTER
B527	X	13	14'-7"	X	WING 4-TOP-VERTICAL-AT END



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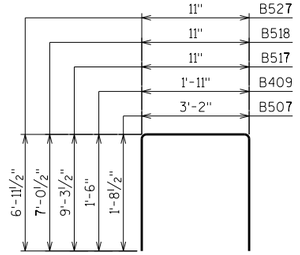

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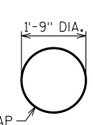
STATE PROJECT NUMBER

1020-07-79



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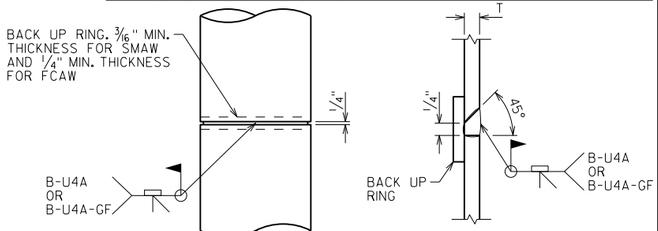


CAST-IN-PLACE 'PIPE PILE' C.I.P. PILE WELD DETAIL

END PLATE DETAIL

PILE DETAILS

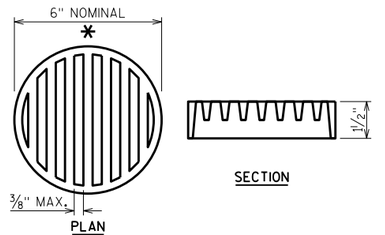
(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2" x 6". (18" RMW @ B.F. & ¾" "V" GROOVE @ F.F. IF JOINT IS USED).

(A10) SUPPORT ABUTMENT ON 12¾" DIA. X 0.375" CIP CONCRETE PILING. ESTIMATED 65'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 140 TONS PER PILE.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) ½" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

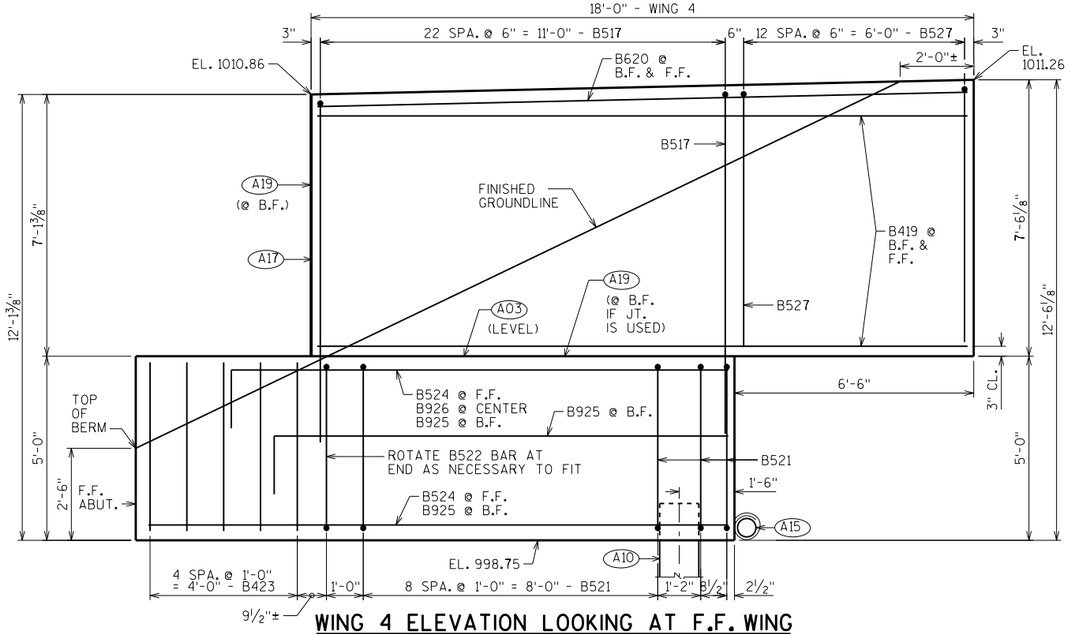


ROUND SHIELD DETAIL

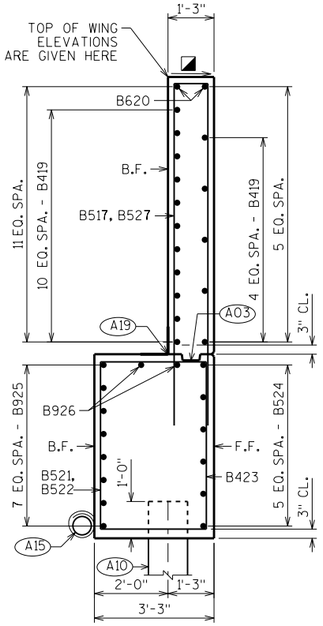
*DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

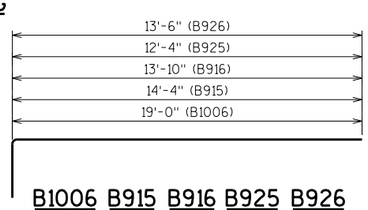
THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



WING 4 ELEVATION LOOKING AT F.F. WING



WING 4 SECTION



B1006 B915 B916 B925 B926

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-250

DRAWN BY JPH | PLANS CK'D. MJK

EAST ABUTMENT DETAILS

SHEET 8

300

SCALE = 2.00

8

8

STATE PROJECT NUMBER

1020-07-79

NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 15" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 15" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER OR EPOXY TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, END OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER. FOR GIRDER ENDS THAT ARE FINALLY EXPOSED, COAT THE GIRDER ENDS, EXPOSED STRAND ENDS AND ALL NON-BONDING SURFACES WITHIN 2 FEET OF THE GIRDER ENDS WITH A NON-PIGMENTED EPOXY CONFORMING TO AASHTO M-235 TYPE III, GRADE 2, CLASS B OR C. THE EPOXY SHALL BE APPLIED AT LEAST 3 DAYS AFTER MOIST CURING HAS CEASED AND PRIOR TO THE APPLICATION OF THE SEALER.

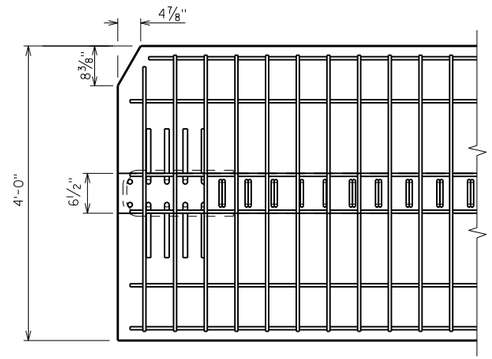
ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

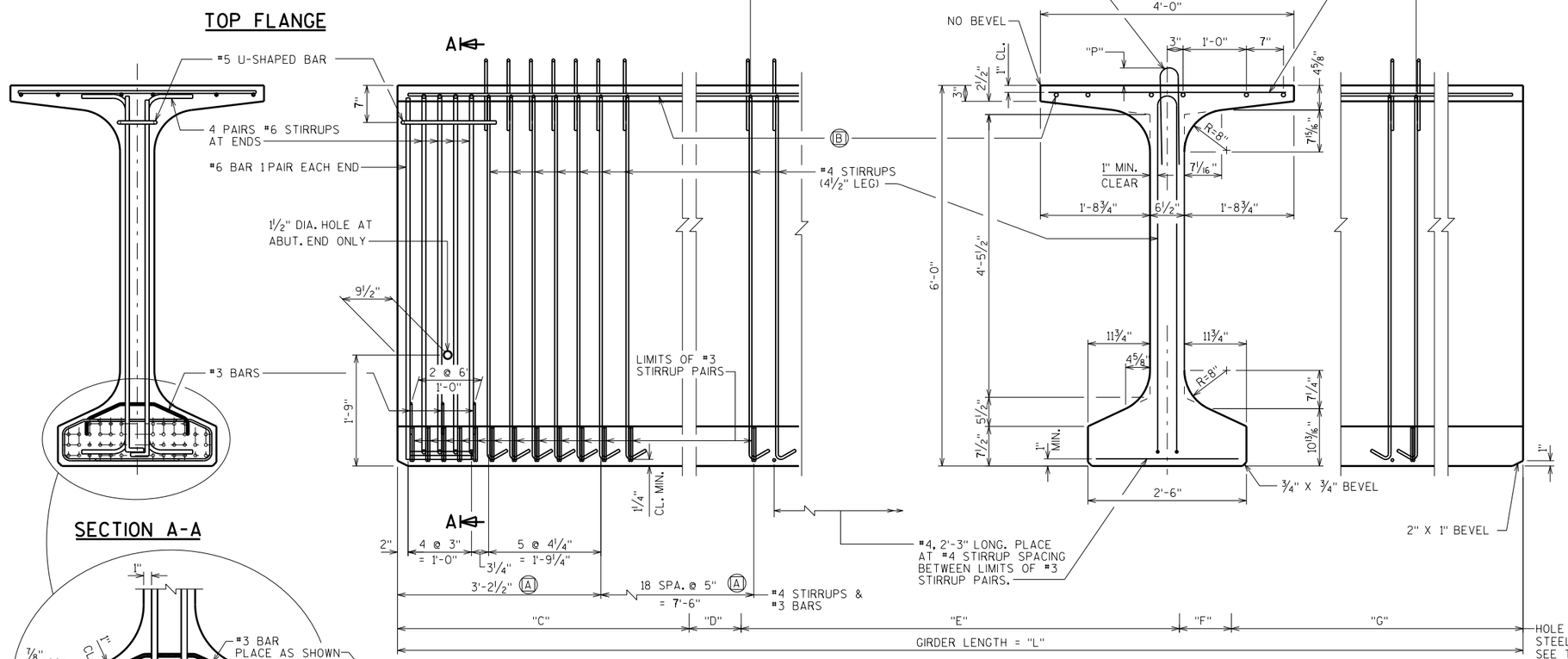
SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT.

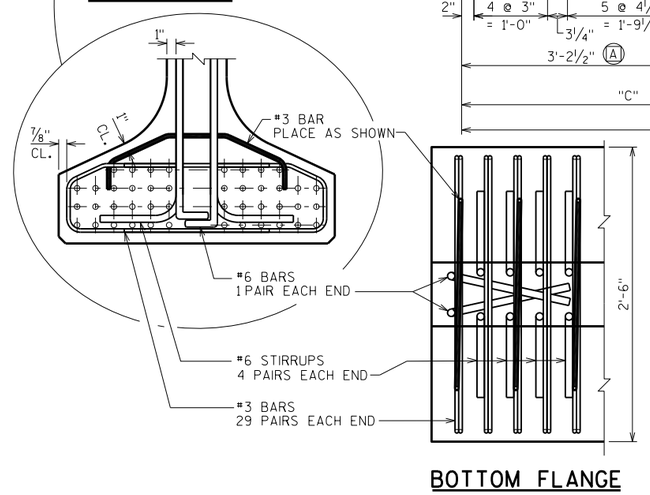
AN EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A1064 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON ACCEPTANCE OF THE STRUCTURES MAINTENANCE SECTION. IF USED, WWF SUBSTITUTION DETAILS SHALL BE SUBMITTED ELECTRONICALLY TO THE WISDOT FABRICATION LIBRARY AND ACCEPTED PRIOR TO SHOP DRAWING SUBMITTAL.

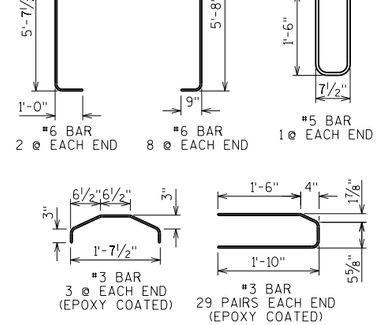
PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

FOR DIAPHRAGM INSERT & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.









SIDE VIEW & TYP. SECTION IN SPAN

(A) DETAIL TYP. AT EACH END

(B) SIX 21'-0" LONG #6 BARS AT BOTH ENDS OF GIRDERS AND SIX #4 BARS IN BETWEEN WITH 1'-11" MIN. LAPS

HOLE SPACING DIMENSIONS FOR STEEL DIAPHRAGMS TO GIRDER WEB CONNECTION

GIRDER	"C"	"D"	"E"	"F"	"G"
1	45'-0 1/4"	---	47'-4"	---	49'-7 3/4"
2-7	45'-0 1/4"	4'-7 3/8"	42'-8 5/8"	4'-7 3/8"	45'-0 1/4"
8	49'-7 3/4"	---	47'-4"	---	45'-0 1/4"

* MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L" (FEET)	DEAD LOAD DEFL. (IN.) 1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	CONC. STRGTH. f'c (p.s.i.)	"P" (IN.) IST 1/3 OF GIRDER	MID 1/3 OF GIRDER	END 1/3 OF GIRDER	DIA. OF STRAND (IN.)	DRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) *	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	UNDRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) *
1	1-8	142.00	0.7	1.4	1.9	2.2	2.3	2.2	1.9	1.4	0.7	8,000	8	7	8	0.6	46	6,800	67	20.5	23.5	5		

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-250

DRAWN BY JPH | PLANS CK'D. MJK

72W" PRESTRESSED GIRDER DETAILS 1

SHEET 9

301

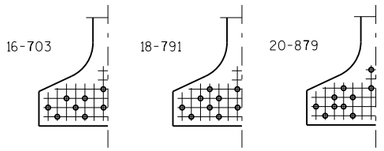
8

8

SCALE = 1.00

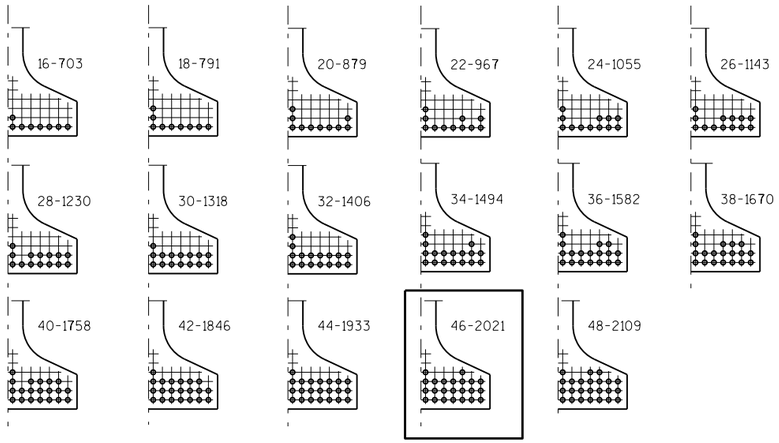
STATE PROJECT NUMBER

1020-07-79



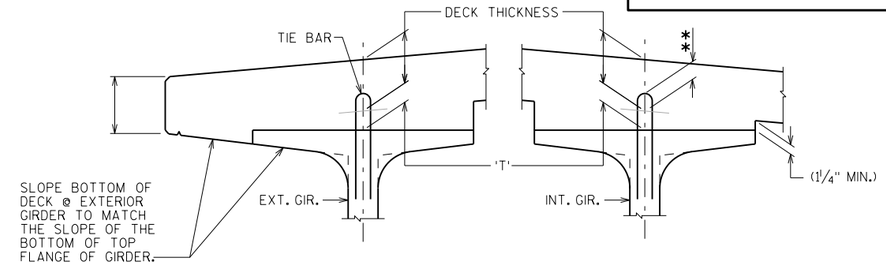
STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPING OF STRANDS

0.6" DIA. STRANDS



ARRANGEMENT AT ℄ SPAN - FOR GIRDERS WITH DRAPED STRANDS

0.6" DIA. STRANDS



DECK HAUNCH DETAIL

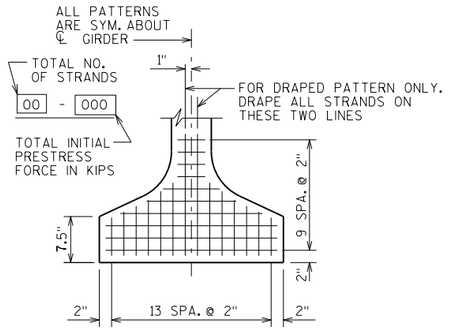
IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR, THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

** IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

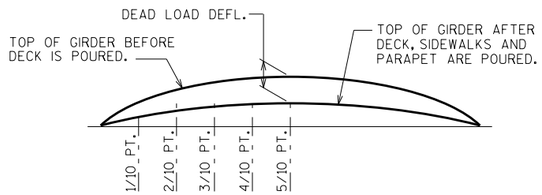
TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
- TOP OF GIRDER ELEVATION
+ DEAD LOAD DEFLECTION
- DECK THICKNESS
= HAUNCH HEIGHT 'T'

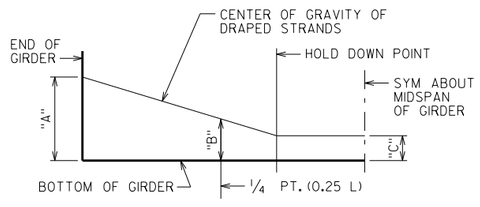
NOTE:
AN AVERAGE HAUNCH ('T') OF 3.8" WAS USED FOR COMPUTING THE SUPERSTRUCTURE QUANTITY "CONCRETE MASONRY BRIDGES".



TYP. STRAND PATTERN



DEAD LOAD DEFLECTION DIAGRAM



DRAPED STRAND PROFILE

*THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

SPAN	CAMBER (IN.) *
1	4.494

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-250

DRAWN BY JPH | PLANS CK'D. MJK

72W" PRESTRESSED GIRDER DETAILS 2

SHEET 10

302

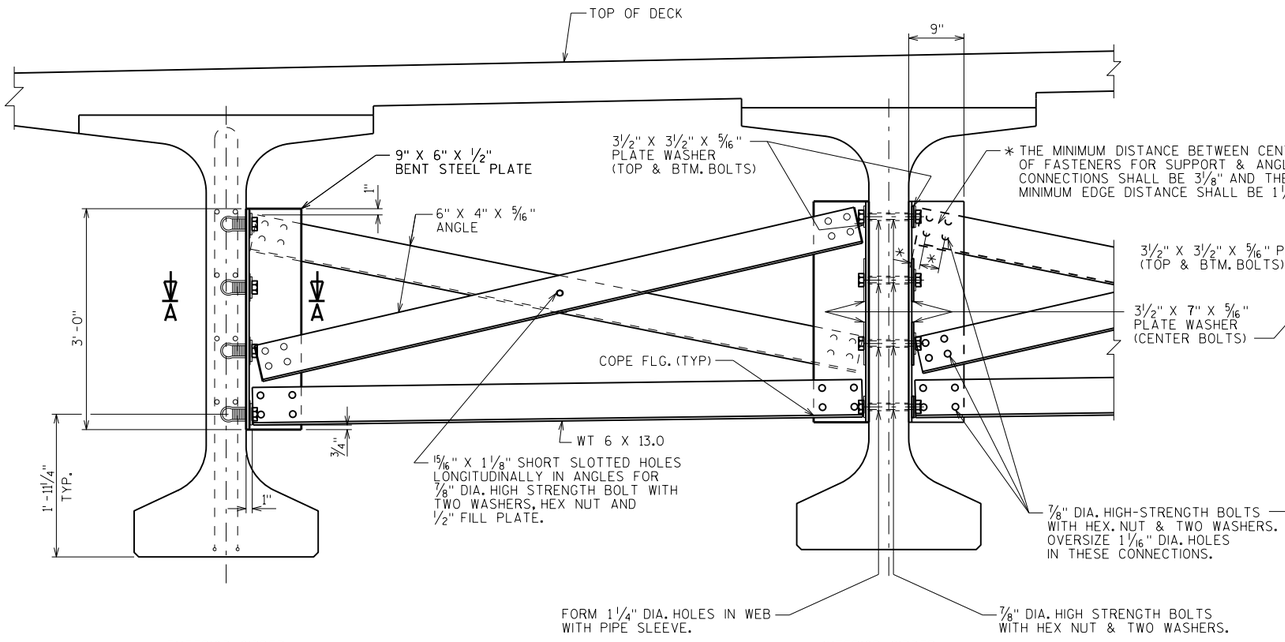
8

8

SCALE = 1.00

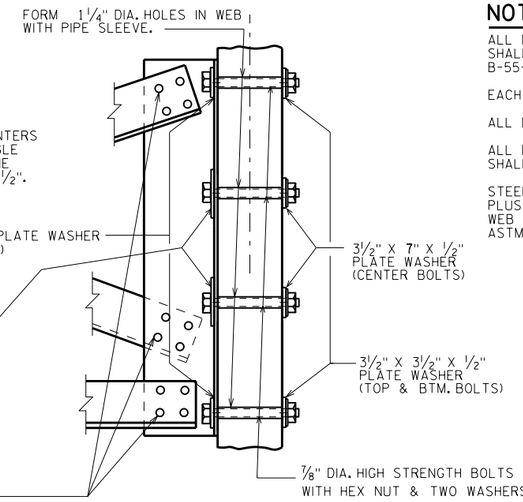
STATE PROJECT NUMBER

1020-07-79



PART TRANSVERSE SECTION AT DIAPHRAGM

(72W" PRESTRESSED GIRDER)



SECTION AT INTERIOR GIRDERS (FOR STAGGERED DIAPHRAGMS)

NOTES

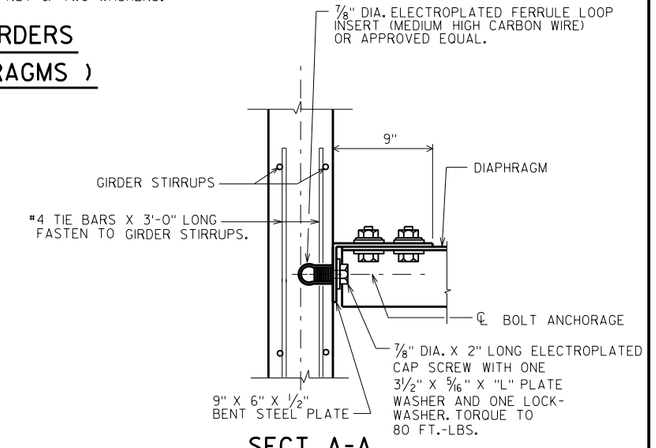
ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-55-250", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

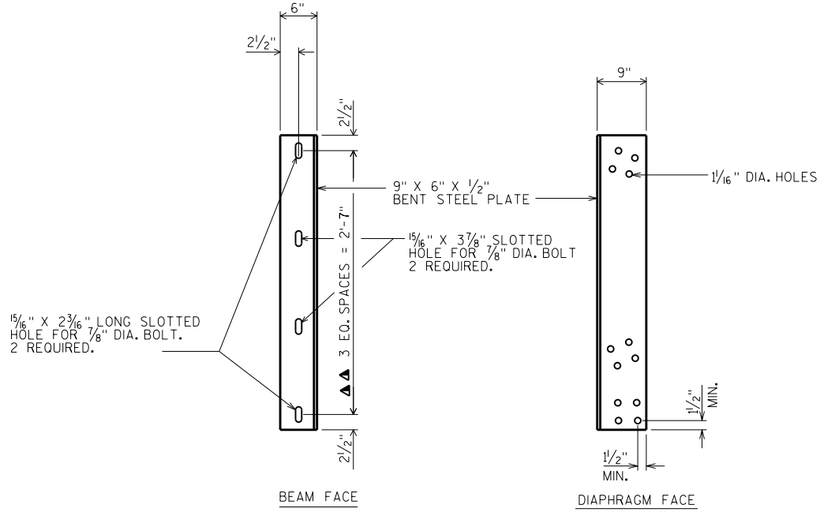
STEEL DIAPHRAGM TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS 1/4 TURN, UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.



SECT. A-A

(FOR EXTERIOR ATTACHMENT)

"L" = 3 1/2"; TOP AND BOTTOM BOLTS
"L" = 7"; CENTER BOLTS



DIAPHRAGM SUPPORT

▲▲ BOLT HOLES SHALL BE SPACED SO AS TO MISS PRESTRESSED STRANDS IN CONCRETE BEAMS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-250

DRAWN BY JPH | PLANS CK'D. MJK

STEEL DIAPHRAGM

SHEET 11

303

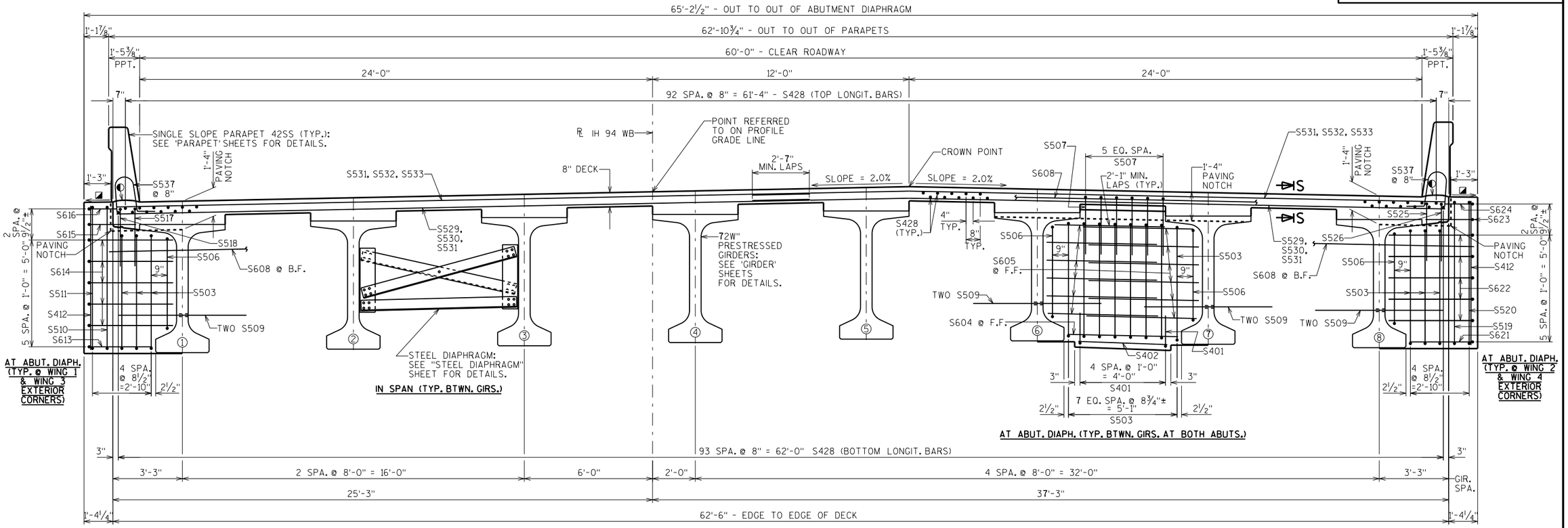
SCALE = 1.00

8

8

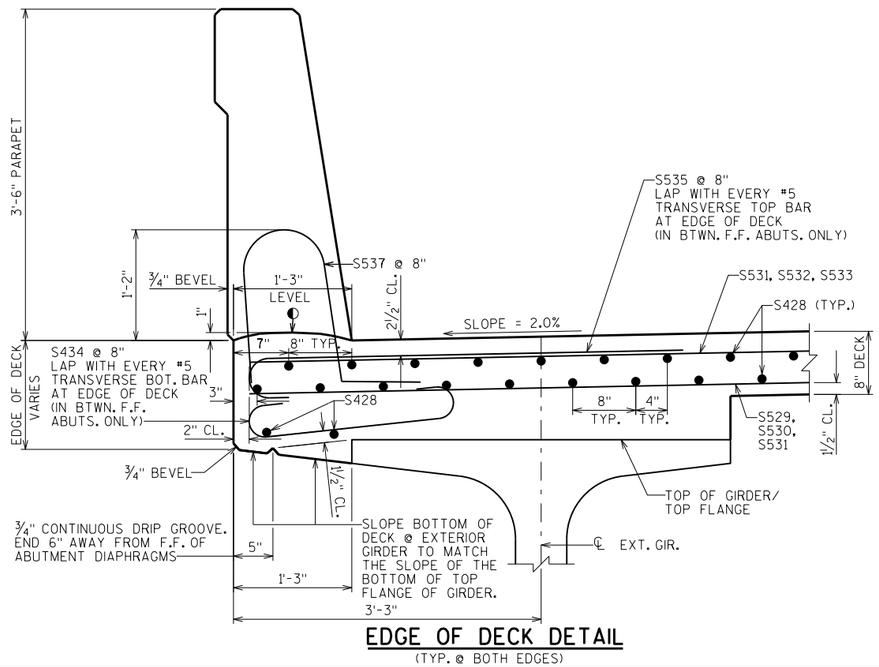
STATE PROJECT NUMBER

1020-07-79



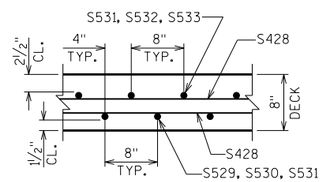
CROSS SECTION THRU BRIDGE LOOKING EAST

(EAST ABUTMENT DIAPHRAGM SHOWN, WEST ABUTMENT DIAPHRAGM SIMILAR)



EDGE OF DECK DETAIL

(TYP. @ BOTH EDGES)



SECTION S-S

NOTES:

FOR THE SECTIONS THRU THE ABUTMENT DIAPHRAGMS SEE "ABUTMENT DIAPHRAGMS" SHEET.

SEE "ABUTMENT DIAPHRAGMS" SHEET FOR ABUTMENT DIAPHRAGM CORNER DETAILS.

◐ HORIZ. CONST. JOINT: STRIKE OFF AND LEAVE ROUGH AS SHOWN

◪ FINISH SMOOTH - SLOPE TO DRAIN

◯ INDICATES GIRDER NUMBER

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-250

DRAWN BY JPH | PLANS CK'D. MJK

SUPERSTRUCTURE CROSS SECTIONS

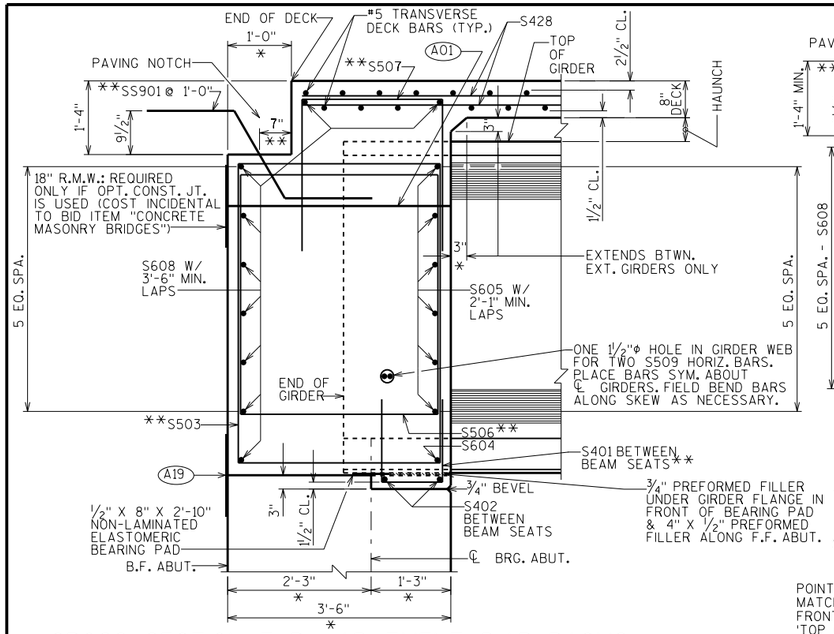
SHEET 12

304

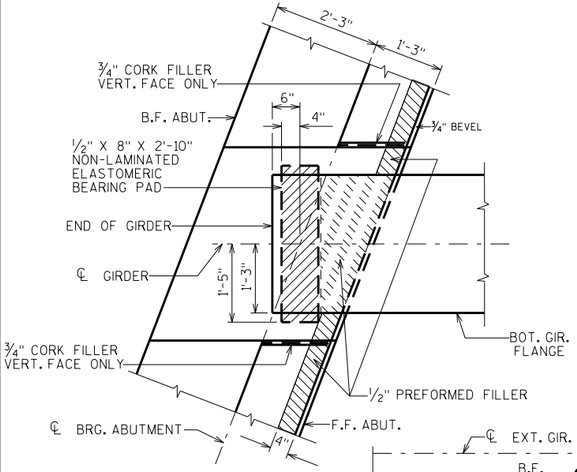
SCALE = 2.33

8

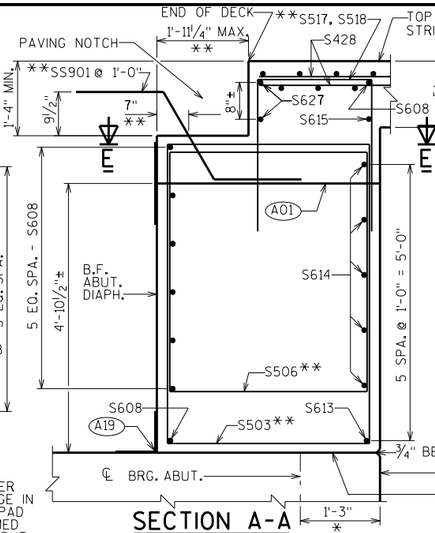
8



CROSS SECTION THRU ABUTMENT DIAPHRAGMS BETWEEN EXTERIOR GIRDERS

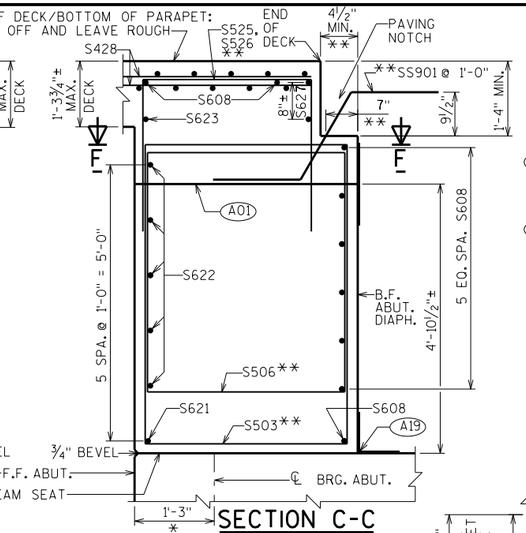


PLAN VIEW AT ABUTMENTS



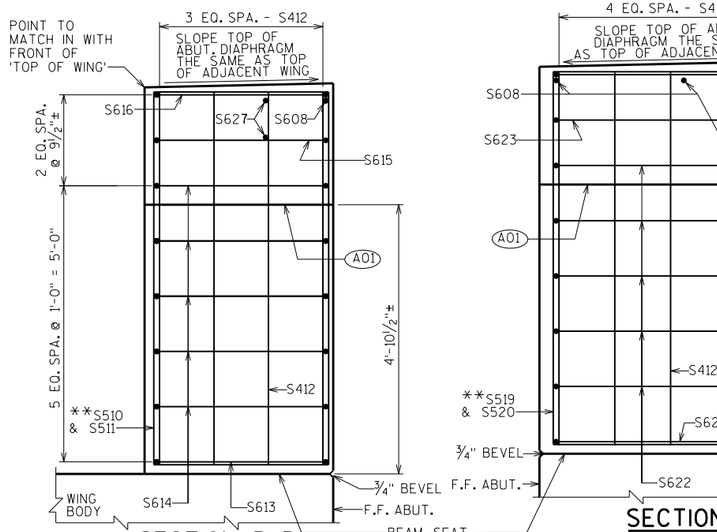
SECTION A-A

SECTION THRU ABUTMENT DIAPHRAGMS AT WINGS 1&3, AT GIRDER EXTERIORS (UNDER DECK)



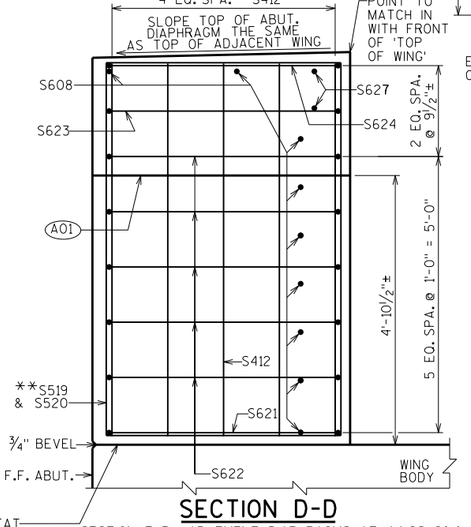
SECTION C-C

SECTION THRU ABUTMENT DIAPHRAGMS AT WINGS 2&4, AT GIRDER EXTERIORS (UNDER DECK)



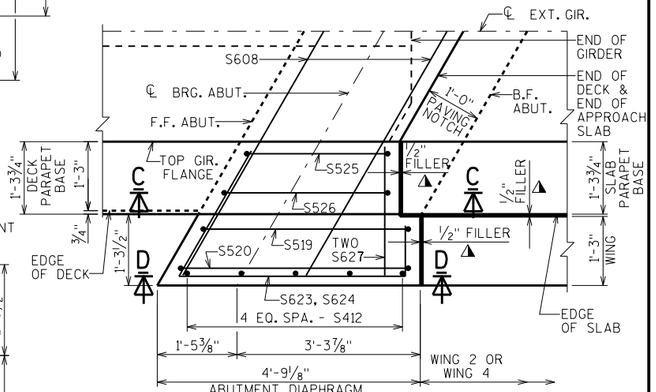
SECTION B-B

SECTION THRU ABUTMENT DIAPHRAGMS AT WINGS 1&3, AT GIRDER EXTERIORS (OUTSIDE 'EDGE OF DECK')

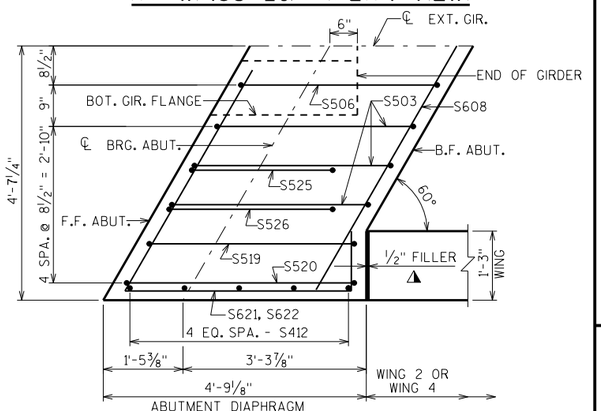


SECTION D-D

SECTION THRU ABUTMENT DIAPHRAGMS AT WINGS 2&4, AT GIRDER EXTERIORS (OUTSIDE 'EDGE OF DECK')

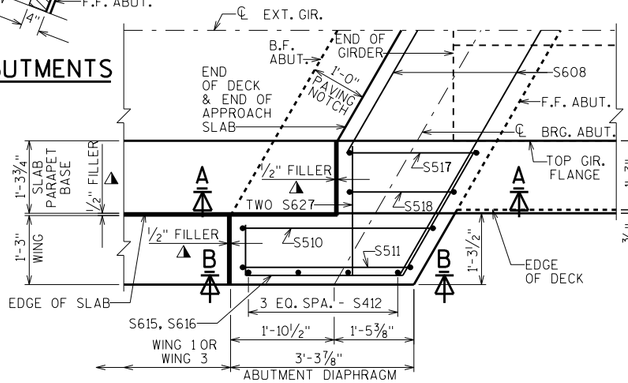


TYPICAL DIAPHRAGM CORNER DETAIL AT WINGS 2&4 (PLAN VIEW)

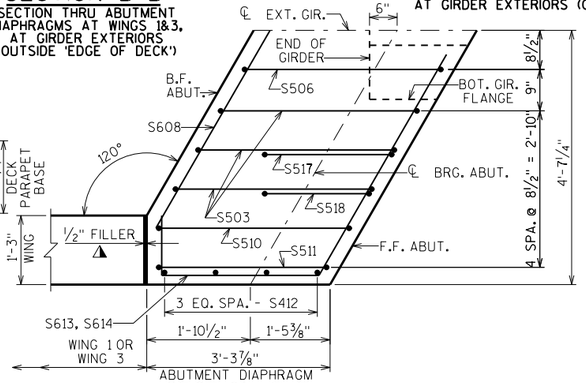


SECTION F-F

TYPICAL DIAPHRAGM CORNER DETAIL AT WINGS 2&4 (SECTION BELOW PAVING NOTCH)



TYPICAL DIAPHRAGM CORNER DETAIL AT WINGS 1&3 (PLAN VIEW)



SECTION E-E

TYPICAL DIAPHRAGM CORNER DETAIL AT WINGS 1&3 (SECTION BELOW PAVING NOTCH)

*DIMENSION IS TAKEN PERPENDICULAR TO ℄ BRG ABUTMENTS.

**DIMENSION IS TAKEN PARALLEL TO ℄ GIRDERS. BARS PLACED PARALLEL TO ℄ GIRDERS AND SPACED PERPENDICULAR TO ℄ GIRDERS

(A01) OPTIONAL CONSTRUCTION JOINT 1'-2" BELOW TOP OF GIRDER. IF USED, DECK POUR MUST BE WITHIN 2 WEEKS FROM THE TIME OF THE DIAPHRAGM POUR.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

NOTE:
SEE "SUPERSTRUCTURE BAR DETAILS" SHEET FOR THE 'BILL OF BARS' AND BAR DETAILS.

▲ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING, GRAY AND NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).

STATE PROJECT NUMBER
1020-07-79

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-250

DRAWN BY JPH | PLANS CK'D. MJK

ABUTMENT DIAPHRAGMS

SHEET 13

305

SCALE = 1.33

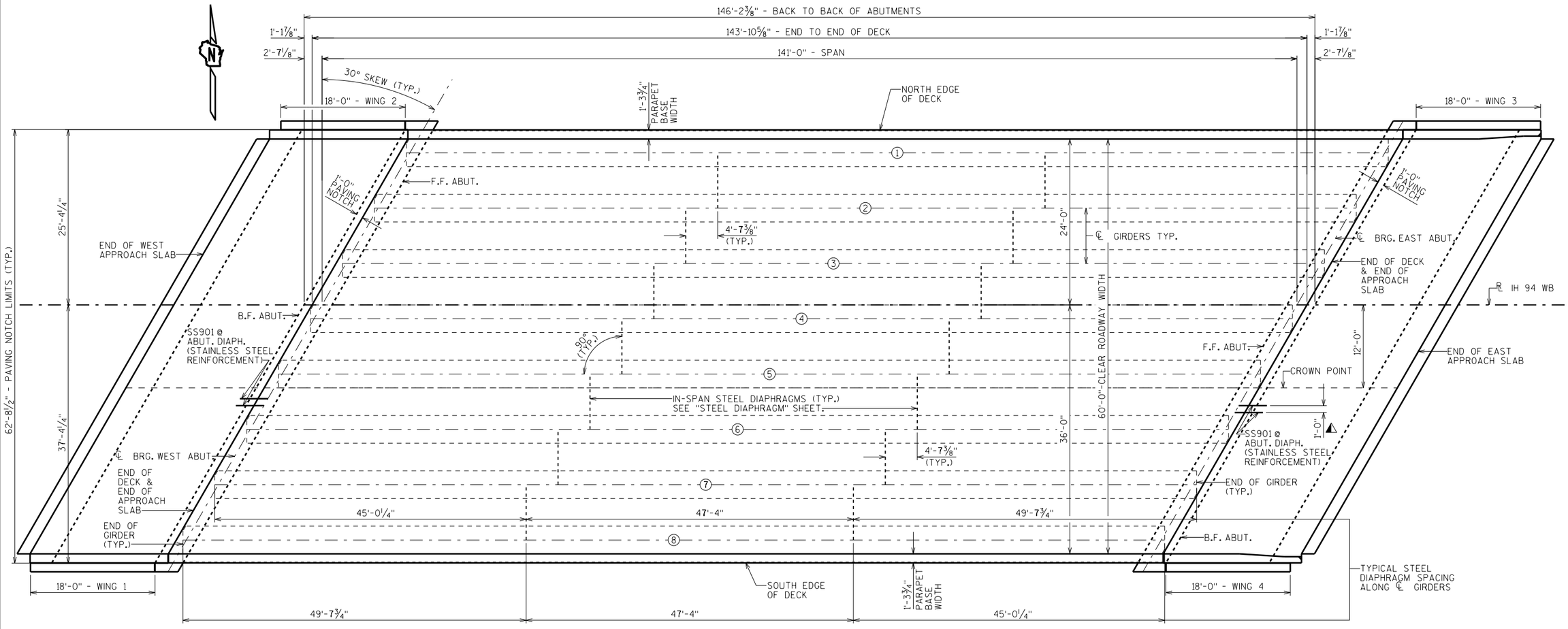
8

8

STATE PROJECT NUMBER

1020-07-79

◯ INDICATES GIRDER NUMBER



PLAN

8

TOP OF DECK ELEVATIONS

EOD = EDGE OF DECK

LOCATION	℄ BRG. W. ABUT.	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	℄ BRG. E. ABUT.	LOCATION
NORTH EOD	1008.28	1008.59	1008.90	1009.20	1009.51	1009.82	1010.12	1010.43	1010.74	1011.05	1011.35	NORTH EOD
℄ GIRDER 1	1008.28	1008.59	1008.90	1009.20	1009.51	1009.82	1010.12	1010.43	1010.74	1011.04	1011.35	℄ GIRDER 1
℄ GIRDER 2	1008.34	1008.65	1008.95	1009.26	1009.57	1009.88	1010.18	1010.49	1010.80	1011.10	1011.41	℄ GIRDER 2
℄ GIRDER 3	1008.40	1008.71	1009.01	1009.32	1009.63	1009.94	1010.24	1010.55	1010.86	1011.16	1011.47	℄ GIRDER 3
℄ IH 94 WB	1008.44	1008.75	1009.06	1009.37	1009.67	1009.98	1010.29	1010.59	1010.90	1011.21	1011.52	℄ IH 94 WB
℄ GIRDER 4	1008.46	1008.77	1009.07	1009.38	1009.69	1009.99	1010.30	1010.61	1010.92	1011.22	1011.53	℄ GIRDER 4
℄ GIRDER 5	1008.52	1008.83	1009.13	1009.44	1009.75	1010.05	1010.36	1010.67	1010.98	1011.28	1011.59	℄ GIRDER 5
CROWN POINT	1008.53	1008.84	1009.15	1009.45	1009.76	1010.07	1010.38	1010.68	1010.99	1011.30	1011.60	CROWN POINT
℄ GIRDER 6	1008.34	1008.65	1008.95	1009.26	1009.57	1009.87	1010.18	1010.49	1010.79	1011.10	1011.41	℄ GIRDER 6
℄ GIRDER 7	1008.08	1008.38	1008.69	1009.00	1009.31	1009.61	1009.92	1010.23	1010.53	1010.84	1011.15	℄ GIRDER 7
℄ GIRDER 8	1007.82	1008.12	1008.43	1008.74	1009.05	1009.35	1009.66	1009.97	1010.27	1010.58	1010.89	℄ GIRDER 8
SOUTH EOD	1007.74	1008.04	1008.35	1008.66	1008.96	1009.27	1009.58	1009.89	1010.19	1010.50	1010.81	SOUTH EOD

⚠ SEE "STRUCTURAL APPROACH SLABS" SHEET FOR SS901 BAR SPACING

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-250

DRAWN BY JPH | PLANS CK'D. MJK

SUPERSTRUCTURE PLAN

SHEET 14

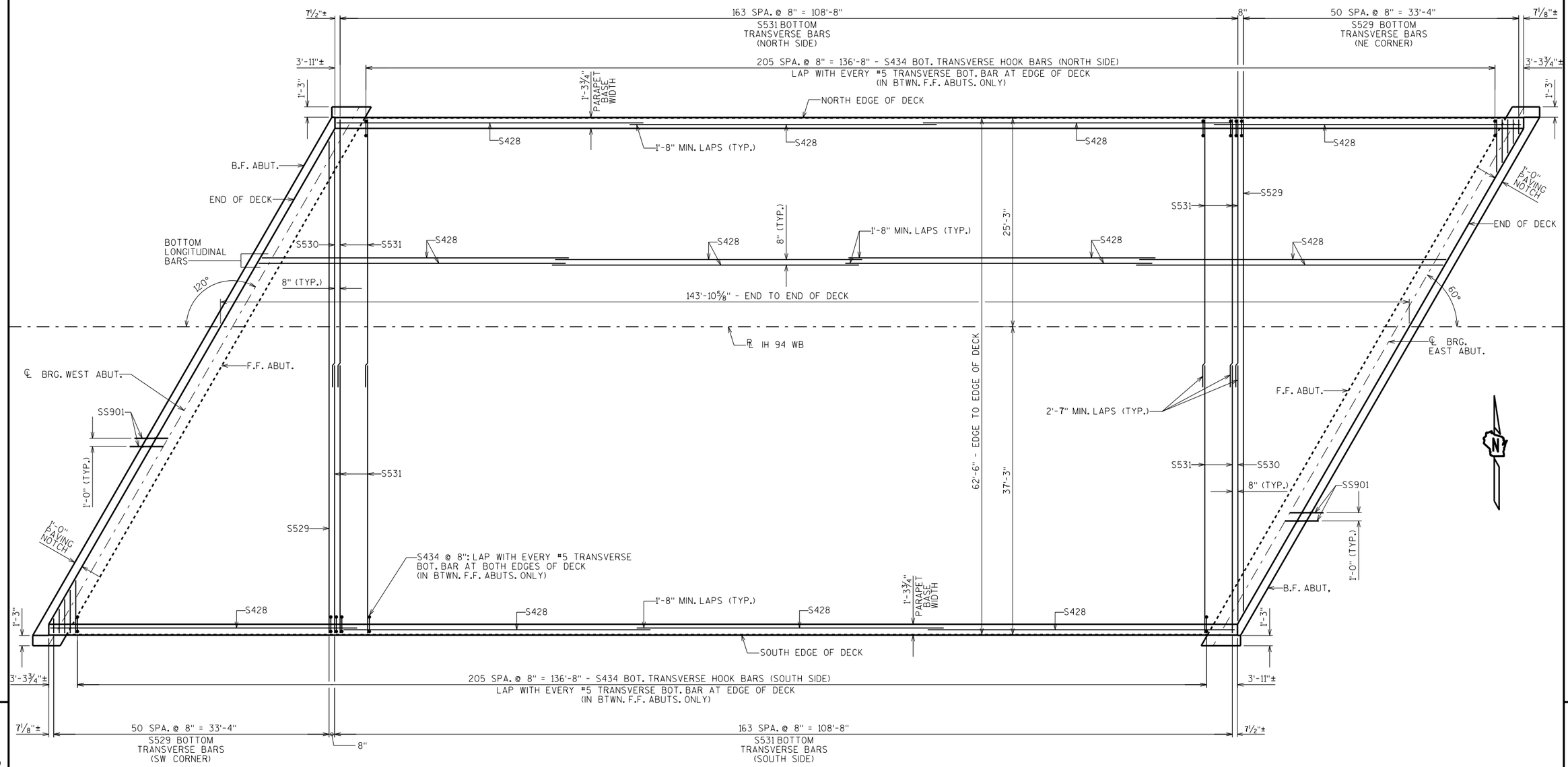
306

SCALE = 7.25

8

STATE PROJECT NUMBER

1020-07-79



PLAN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-250

DRAWN BY JPH | PLANS CK'D. MJK

DECK (BOTTOM STEEL)

SHEET 15

307

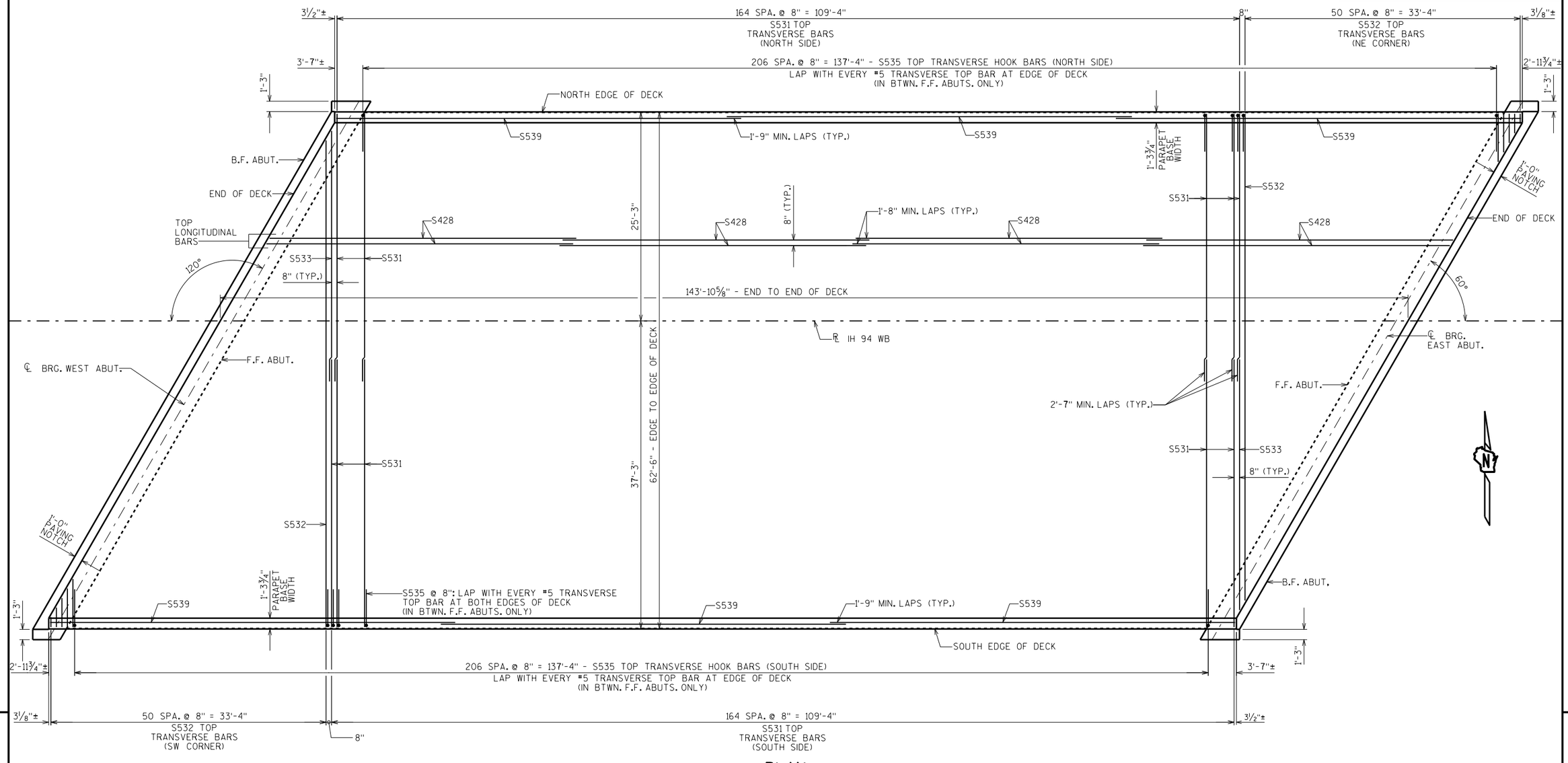
SCALE = 6.00

8

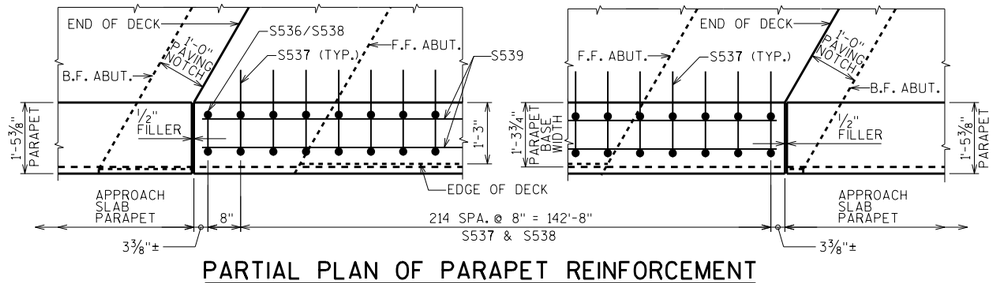
8

STATE PROJECT NUMBER

1020-07-79



PLAN



PARTIAL PLAN OF PARAPET REINFORCEMENT

(TYP. @ BOTH SIDES)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-250

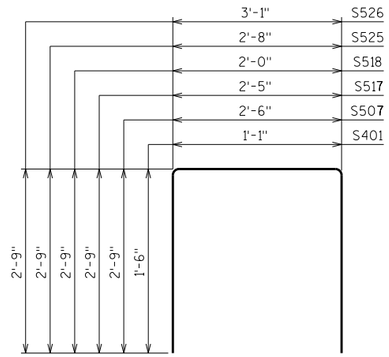
DRAWN BY JPH | PLANS CK'D. MJK

DECK (TOP STEEL)

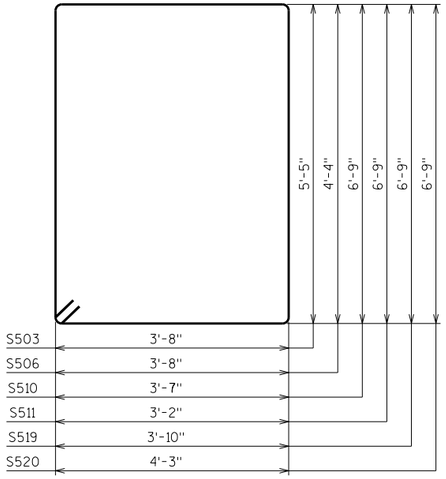
SHEET 16

308

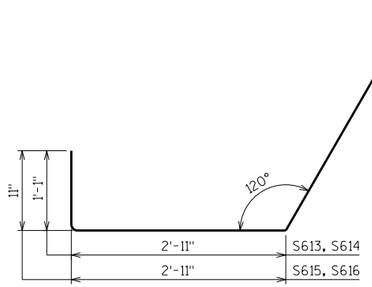
SCALE = 6.00



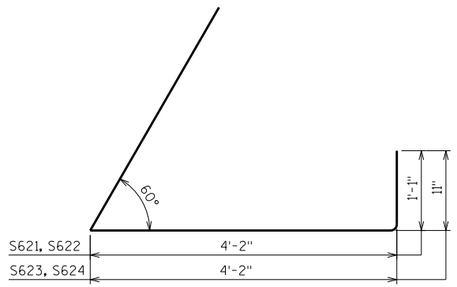
S401 S507 S517
S518 S525 S526



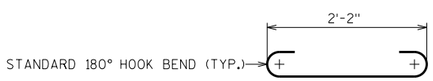
S503 S506 S510 S511 S519 S520
(STIRRUP BARS)



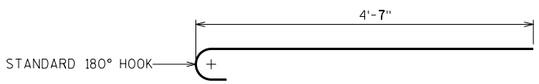
S613 S614 S615 S616



S621 S622 S623 S624



S434



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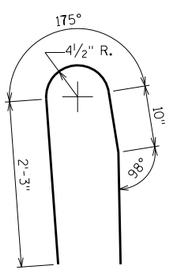

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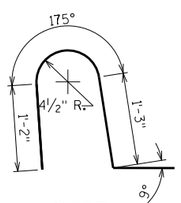

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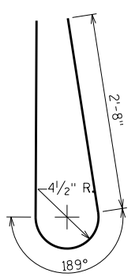

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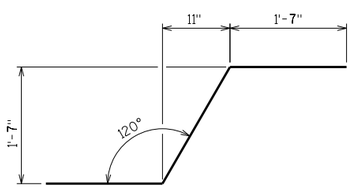


SS901

BILL OF BARS

NOTE:
THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
S401	X	70	3'-11"	X		ABUT. DIAPHS.-F.F.-BOT.-VERT.-BTWN. BEAM SEATS
S402	X	28	4'-10"			ABUT. DIAPHS.-F.F.-BOT.-HORIZ.-BTWN. BEAM SEATS
S503	X	124	18'-10"	X		ABUT. DIAPHS.-VERTICAL-UNDER PAVING NOTCHES
S604	X	14	6'-0"			ABUT. DIAPHS.-F.F.-BOT.-HORIZ.-BTWN. GIRS ONLY
S605	X	168	5'-2"			ABUT. DIAPHS.-F.F.-HORIZ.-BTWN. GIRS ONLY
S506	X	32	16'-8"	X		ABUT. DIAPHS.-VERT.-UNDER GIR. TOP FLANGES
S507	X	84	7'-9"	X		ABUT. DIAPHS./DECK-VERT.-BETWEEN EXT. GIRDERS ONLY
S608	X	36	39'-3"			ABUT. DIAPHS. B.F. & DECK-HORIZ.
S509	X	32	6'-0"			ABUT. DIAPHS.-HORIZ.-THRU GIRDERS
S510	X	2	21'-4"	X		ABUT. DIAPHS.-VERTICAL-AT WINGS 1&3 GIR. EXTERIOR CORNERS ONLY
S511	X	2	20'-6"	X		ABUT. DIAPHS.-VERTICAL-AT WINGS 1&3 GIR. EXTERIOR CORNERS ONLY
S412	X	18	6'-9"			ABUT. DIAPH.-VERT.-AT ALL FOUR GIR. EXTERIOR CORNERS
S613	X	2	7'-2"	X		ABUT. DIAPHS.-BOT.-HORIZ.-AT WINGS 1&3 GIR. EXTERIOR CORNERS ONLY
S614	X	10	8'-3"	X		ABUT. DIAPHS.-HORIZ.-AT WINGS 1&3 GIR. EXTERIOR CORNERS ONLY
S615	X	2	6'-2"	X		ABUT. DIAPHS.-HORIZ.-AT WINGS 1&3 GIR. EXTERIOR CORNERS ONLY
S616	X	2	5'-1"	X		ABUT. DIAPHS.-TOP-HORIZ.-AT WINGS 1&3 GIR. EXTERIOR CORNERS ONLY
S517	X	2	7'-8"	X		ABUT. DIAPHS./DECK-VERT.-AT WINGS 1&3 GIR. EXTERIOR CORNERS ONLY
S518	X	2	7'-3"	X		ABUT. DIAPHS./DECK-VERT.-AT WINGS 1&3 GIR. EXTERIOR CORNERS ONLY
S519	X	2	21'-10"	X		ABUT. DIAPHS.-VERTICAL-AT WINGS 2&4 GIR. EXTERIOR CORNERS ONLY
S520	X	2	22'-8"	X		ABUT. DIAPHS.-VERTICAL-AT WINGS 2&4 GIR. EXTERIOR CORNERS ONLY
S621	X	2	8'-5"	X		ABUT. DIAPHS.-BOT.-HORIZ.-AT WINGS 2&4 GIR. EXTERIOR CORNERS ONLY
S622	X	10	9'-6"	X		ABUT. DIAPHS.-HORIZ.-AT WINGS 2&4 GIR. EXTERIOR CORNERS ONLY
S623	X	2	7'-4"	X		ABUT. DIAPHS.-HORIZ.-AT WINGS 2&4 GIR. EXTERIOR CORNERS ONLY
S624	X	2	6'-3"	X		ABUT. DIAPHS.-TOP-HORIZ.-AT WINGS 2&4 GIR. EXTERIOR CORNERS ONLY
S525	X	2	7'-11"	X		ABUT. DIAPHS./DECK-VERT.-AT WINGS 2&4 GIR. EXTERIOR CORNERS ONLY
S526	X	2	8'-4"	X		ABUT. DIAPHS./DECK-VERT.-AT WINGS 2&4 GIR. EXTERIOR CORNERS ONLY
S627	X	8	2'-4"			ABUT. DIAPHS./DECK-TOP-HORIZ.-AT ALL FOUR GIR. EXTERIOR CORNERS
S428	X	764	37'-2"			DECK-TOP & BOTTOM-HORIZONTAL-LONGITUDINAL
S529	X	102	30'-8"		⚠	DECK-BOTTOM-HORIZONTAL-TRANSVERSE-AT SW & NE CORNERS ONLY
S530	X	2	30'-11"			DECK-BOTTOM-HORIZONTAL-TRANSVERSE-AT NW & SE CORNERS ONLY
S531	X	658	32'-5"			DECK-TOP & BOTTOM-HORIZONTAL-TRANSVERSE
S532	X	102	30'-0"		⚠	DECK-TOP-HORIZONTAL-TRANSVERSE-AT SW & NE CORNERS ONLY
S533	X	2	30'-4"			DECK-TOP-HORIZONTAL-TRANSVERSE-AT NW & SE CORNERS ONLY
S434	X	412	3'-2"	X		DECK-BOT.-TRANSVERSE-BOTH EDGES-BTWN. F.F. ABUTS.
S535	X	414	5'-2"	X		DECK-TOP-TRANSVERSE-AT BOTH EDGES OF DECK
S536	X	2	5'-10"	X		PARAPETS/DECK/ABUT. DIAPH.-VERTICAL-TRANSVERSE-AT SW & NE CORNERS ONLY
S537	X	430	4'-5"	X		PARAPETS/DECK-VERTICAL-TRANSVERSE-AT BOTH SIDES
S538	X	432	6'-8"	X		PARAPETS-VERTICAL-TRANSVERSE-AT BOTH SIDES
S539	X	48	49'-1"			PARAPETS-BOTH FACES-HORIZ.-LONGIT.-AT BOTH SIDES
SS901		124	5'-0"	X		APPROACH SLAB/ABUT. DIAPH.-VERT.-AT PAVING NOTCHES

STAINLESS STEEL REINFORCEMENT

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE

BAR MARK	NUMBER REQUIRED	LENGTH
S529	2 SERIES OF 51 BARS	1'-9" TO 59'-6"
S532	2 SERIES OF 51 BARS	1'-2" TO 58'-11"

BUNDLE AND TAG EACH SERIES SEPARATELY.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-250

DRAWN BY JPH | PLANS CK'D. MJK

SUPERSTRUCTURE BAR DETAILS

SHEET 17

309

STATE PROJECT NUMBER
1020-07-79

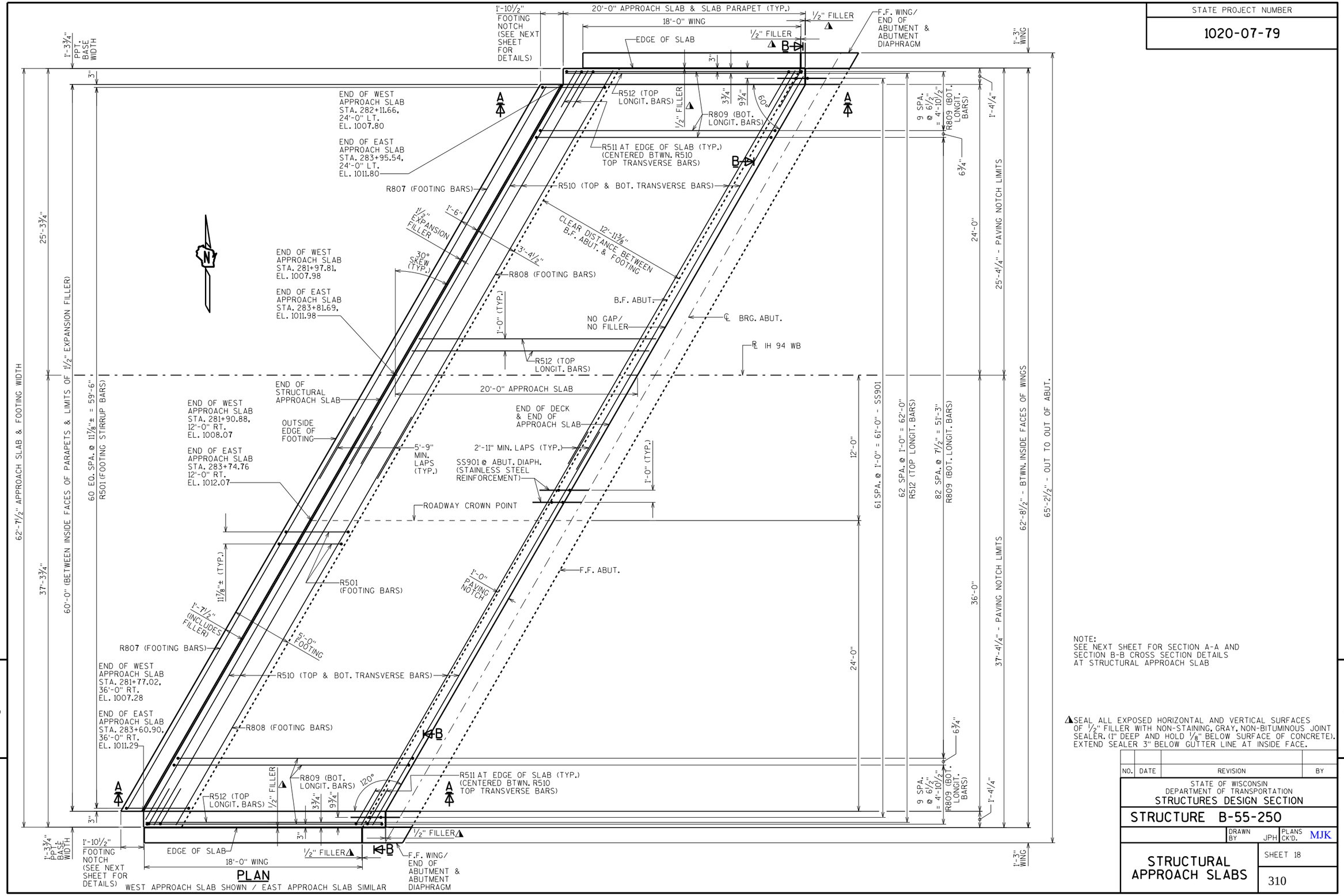
8

8

SCALE = 1.00

STATE PROJECT NUMBER

1020-07-79



NOTE:
SEE NEXT SHEET FOR SECTION A-A AND SECTION B-B CROSS SECTION DETAILS AT STRUCTURAL APPROACH SLAB

▲SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-250

DRAWN BY JPH | PLANS CK'D. MJK

STRUCTURAL APPROACH SLABS

SHEET 18

310

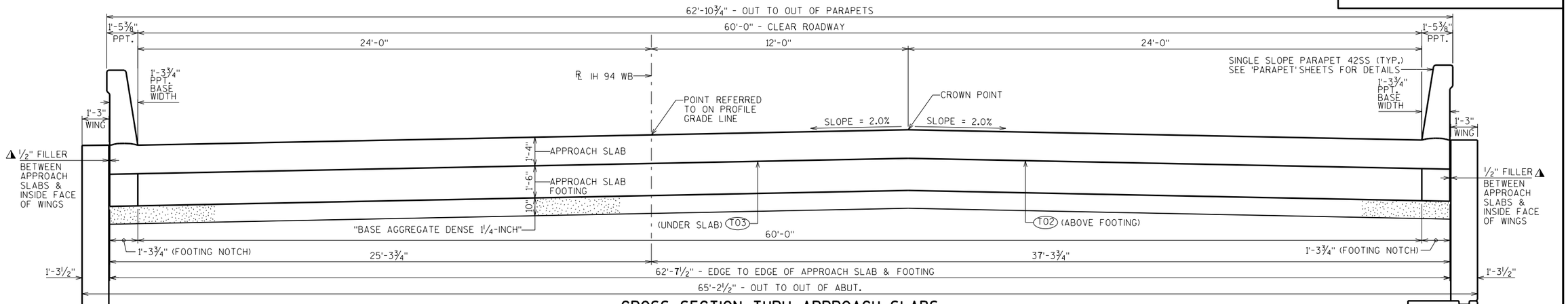
SCALE = 3.50

8

8

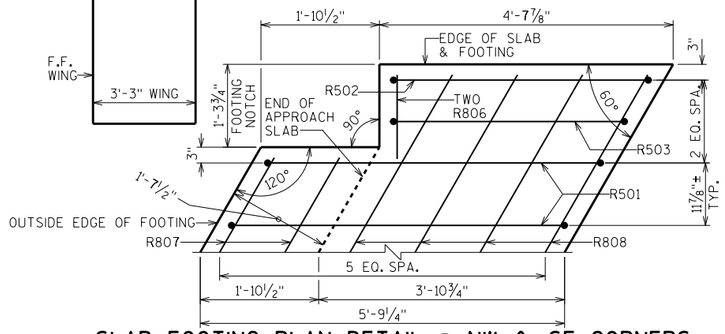
STATE PROJECT NUMBER

1020-07-79

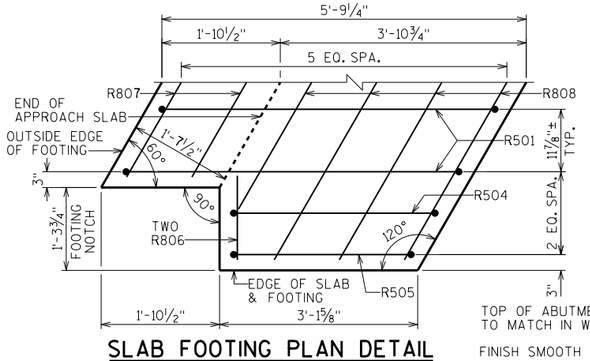


CROSS SECTION THRU APPROACH SLABS

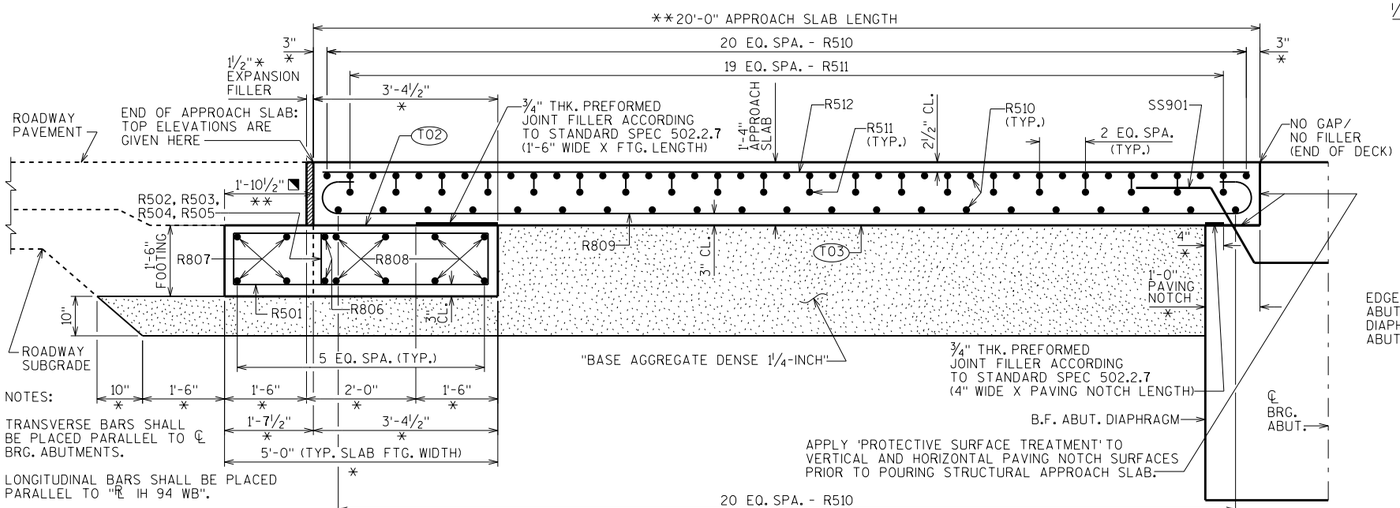
(LOOKING EAST)



SLAB FOOTING PLAN DETAIL @ NW & SE CORNERS



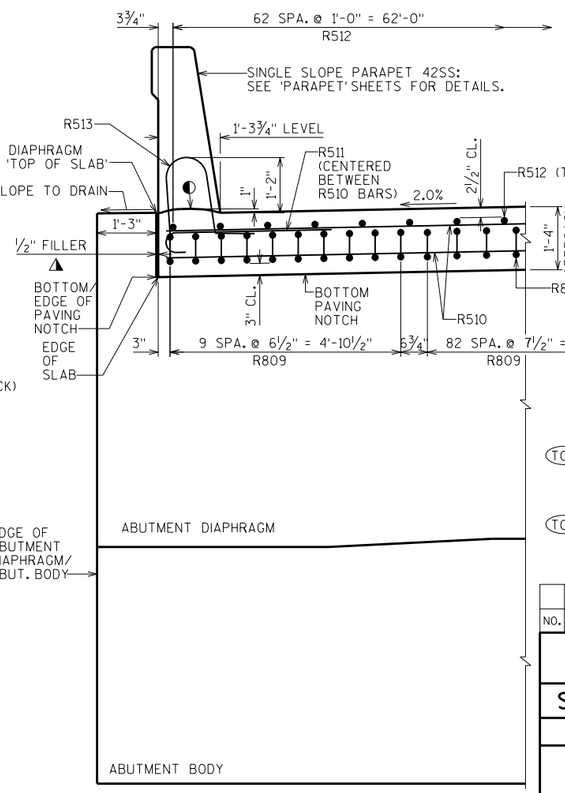
SLAB FOOTING PLAN DETAIL @ SW & NE CORNERS



SECTION A-A THRU APPROACH SLAB

WEST APPROACH SLAB SHOWN/
EAST APPROACH SLAB SIMILAR

◭SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.



SECTION B-B (EDGE OF SLAB DETAIL)

NOTE:
SEE "STRUCTURAL APPROACH SLAB BAR DETAILS" SHEET FOR THE 'BILL OF BARS' AND BAR DETAILS.

◐ HORIZ. CONST. JOINT: STRIKE OFF AND LEAVE ROUGH AS SHOWN

T02 STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE FOOTING.

T03 PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF SUBGRADE BENEATH SLAB.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-250

DRAWN BY JPH | PLANS CK'D. MJK

STRUCTURAL APPROACH SLAB DETAILS

SHEET 19

311

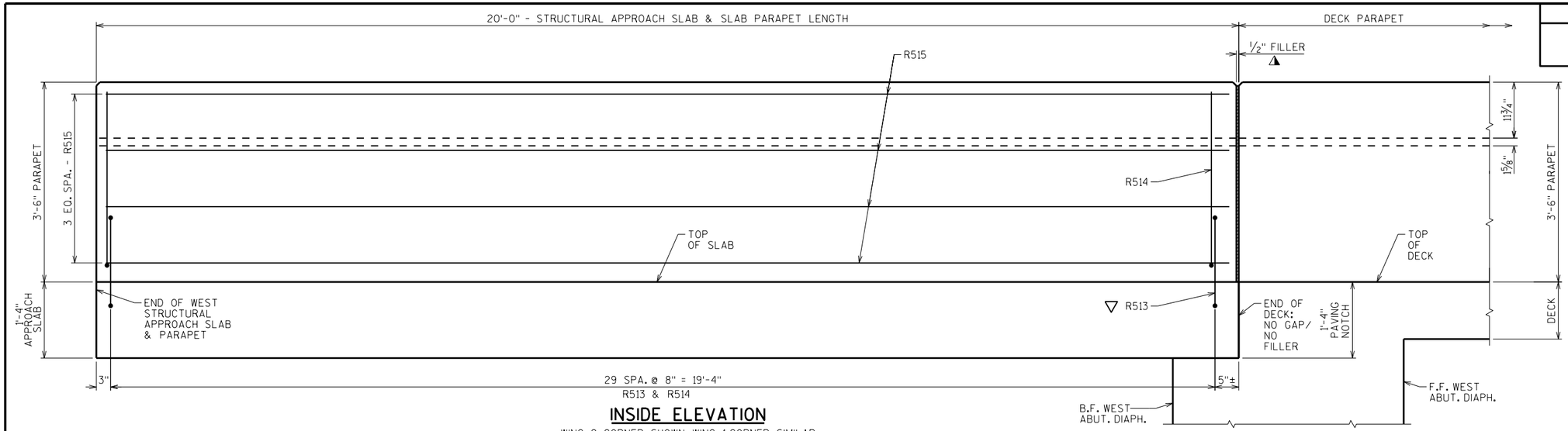
8

8

SCALE = 2.33

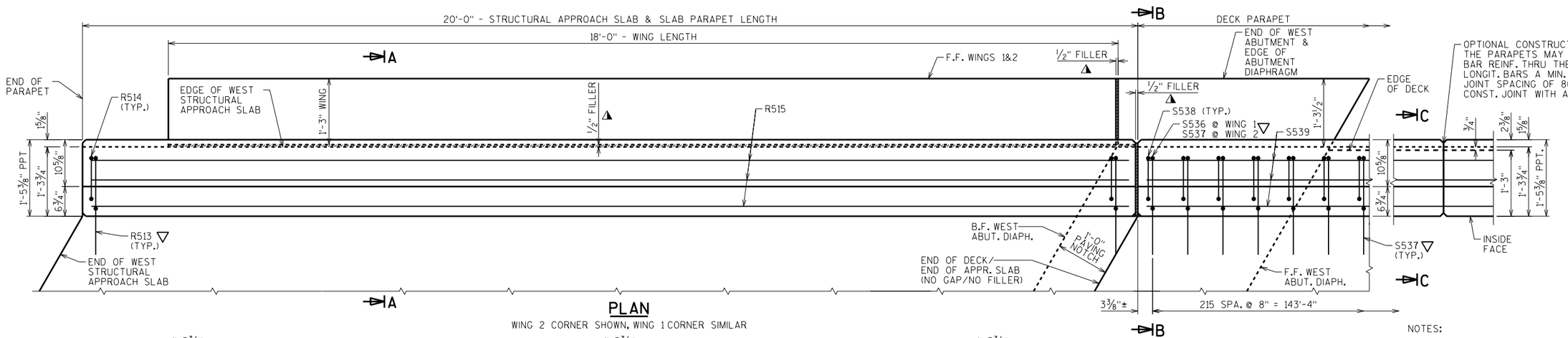
STATE PROJECT NUMBER

1020-07-79



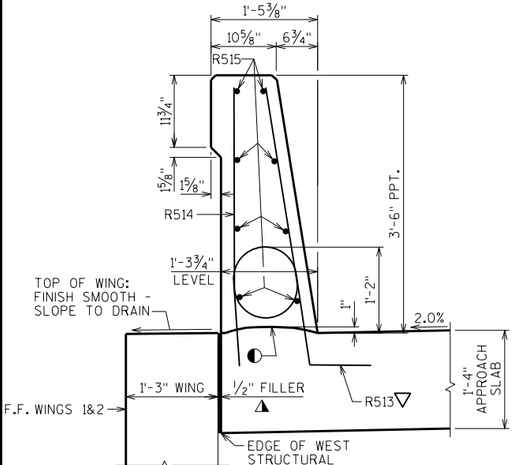
INSIDE ELEVATION

WING 2 CORNER SHOWN, WING 1 CORNER SIMILAR

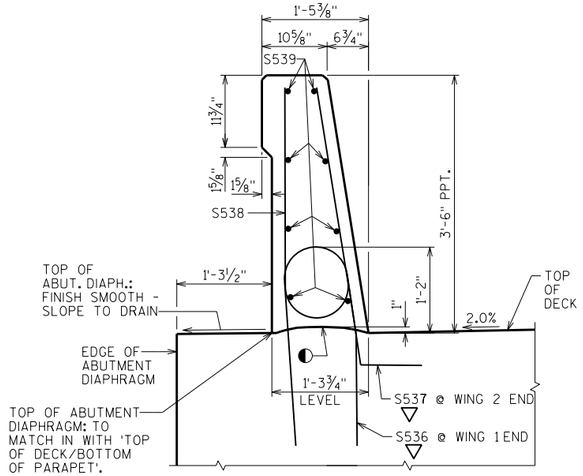


PLAN

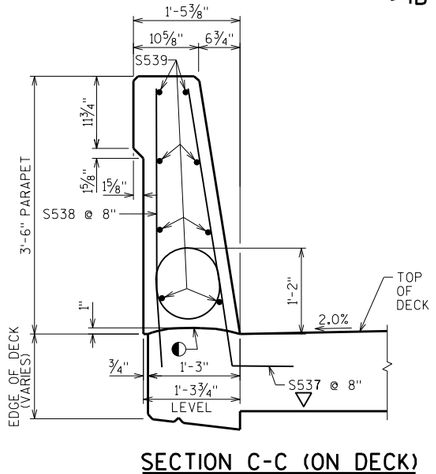
WING 2 CORNER SHOWN, WING 1 CORNER SIMILAR



SECTION A-A



SECTION B-B (OVER ABUT. DIAPH.)



SECTION C-C (ON DECK)

NOTES:

SEE THE "STRUCTURAL APPROACH SLAB BAR DETAILS" SHEET FOR THE BILL OF BARS AND BAR DETAILS FOR THE SLAB PARAPET R-BARS.

SEE THE "SUPERSTRUCTURE BAR DETAILS" SHEET FOR THE BILL OF BARS AND BAR DETAILS FOR THE DECK PARAPET S-BARS.

◭ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF 1/2" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

◐ HORIZ. CONST. JOINT - STRIKE OFF AS SHOWN AND LEAVE ROUGH.

▽ R513, S536 & S537 PARAPET BARS TO BE TIED TO SLAB OR DECK STEEL BEFORE SLAB OR DECK IS POURED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-250

DRAWN BY JPH | PLANS CK'D. MJK

SINGLE SLOPE PARAPET 42SS (WEST END)

SHEET 20

312

SCALE = 1.00

8

8

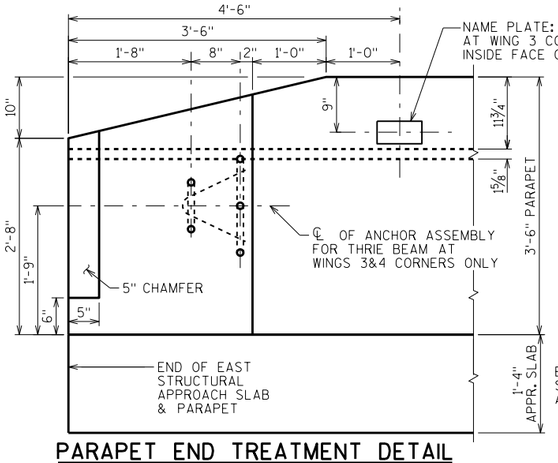
NOTES:

SEE THE "STRUCTURAL APPROACH SLAB BAR DETAILS" SHEET FOR THE BILL OF BARS AND BAR DETAILS FOR THE SLAB PARAPET R-BARS.

SEE THE "SUPERSTRUCTURE BAR DETAILS" SHEET FOR THE BILL OF BARS AND BAR DETAILS FOR THE DECK PARAPET S-BARS.

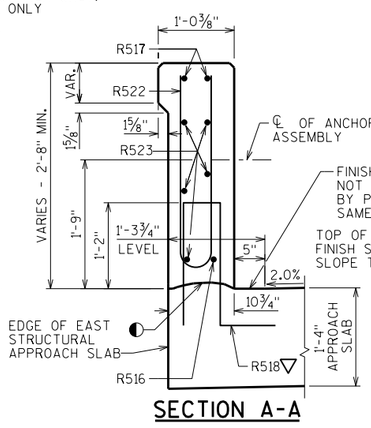
STATE PROJECT NUMBER

1020-07-79

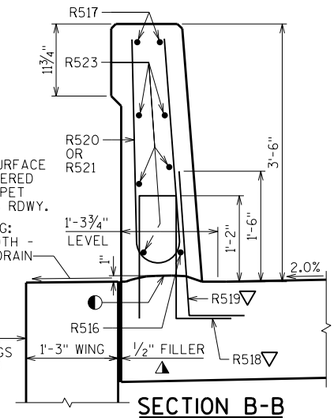


PARAPET END TREATMENT DETAIL

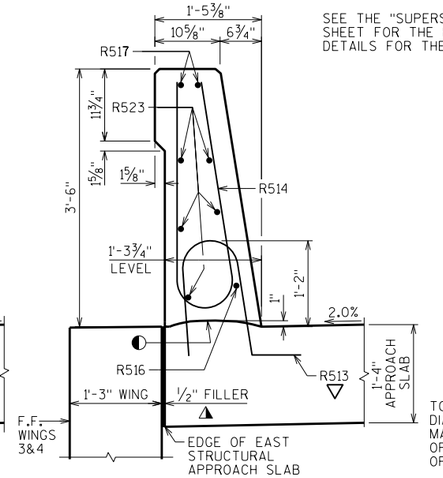
LOOKING AT INSIDE FACE OF BOTH PARAPETS
WING 4 CORNER SHOWN, WING 3 CORNER SIMILAR



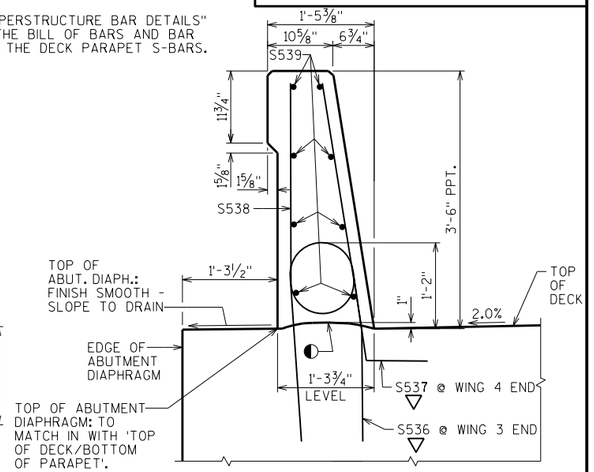
SECTION A-A



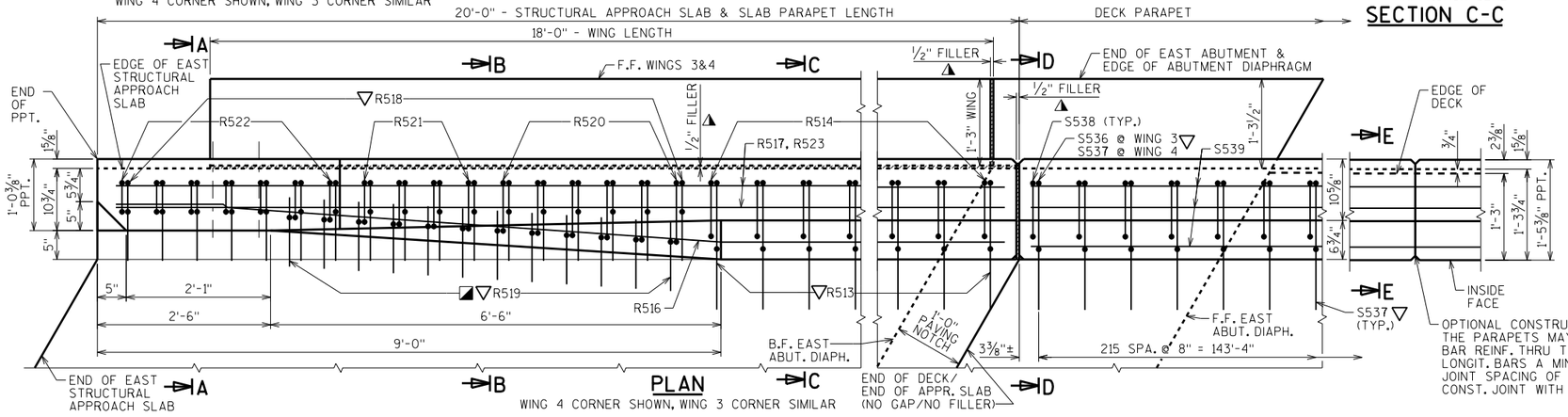
SECTION B-B



SECTION C-C

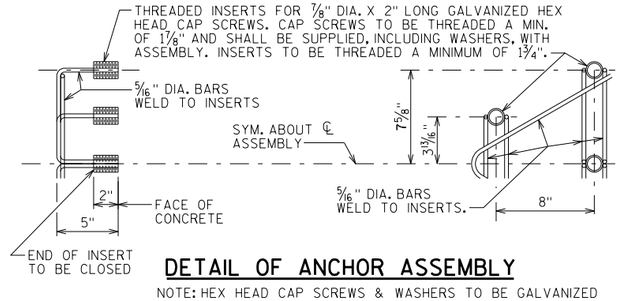


SECTION D-D (OVER ABUT. DIAPH.)



PLAN

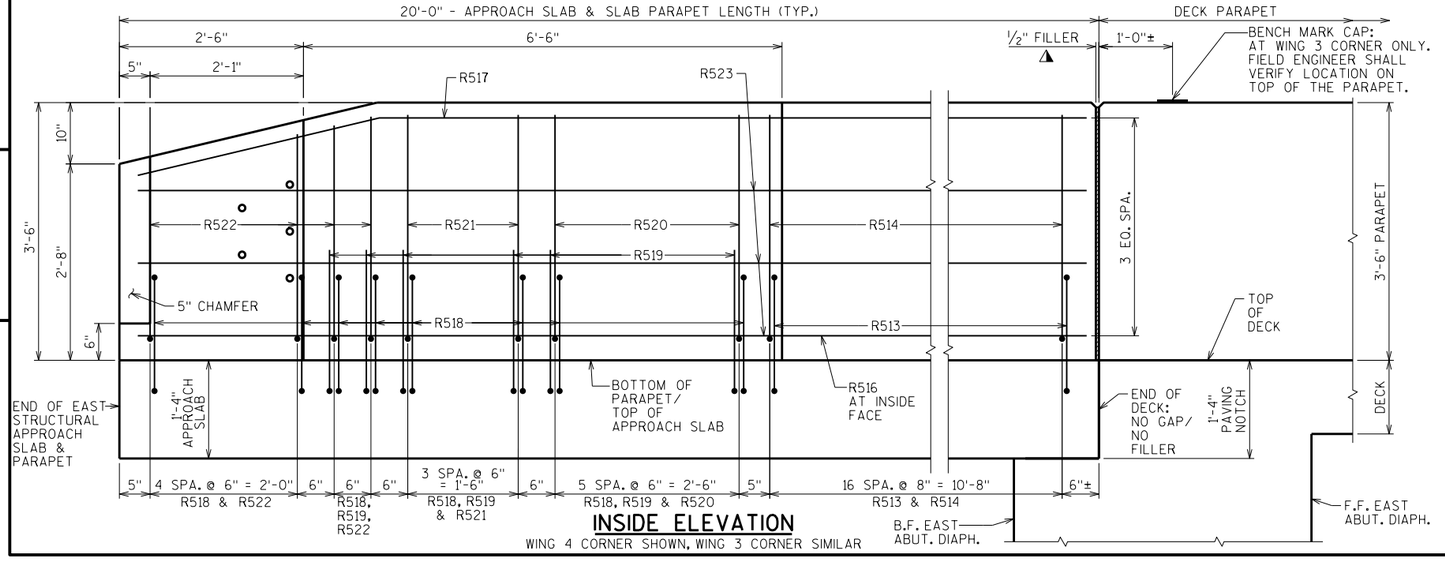
WING 4 CORNER SHOWN, WING 3 CORNER SIMILAR



DETAIL OF ANCHOR ASSEMBLY

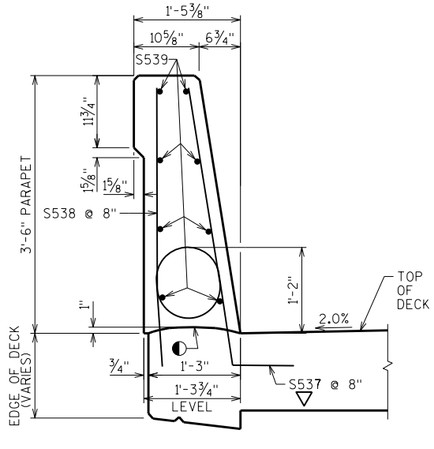
NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.



INSIDE ELEVATION

WING 4 CORNER SHOWN, WING 3 CORNER SIMILAR



SECTION E-E (ON DECK)

▲SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

◐ HORIZ. CONST. JOINT - STRIKE OFF AS SHOWN AND LEAVE ROUGH.

◪ USE CARE TO PLACE R519 BARS CORRECTLY ALONG TRANSITION OF PARAPET.

▽ R513, R518, R519, S536 & S537 PARAPET BARS TO BE TIED TO SLAB OR DECK STEEL BEFORE SLAB OR DECK IS POURED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-250

DRAWN BY JPH | PLANS CK'D. MJK

SINGLE SLOPE PARAPET 42SS (EAST END)

SHEET 21

313

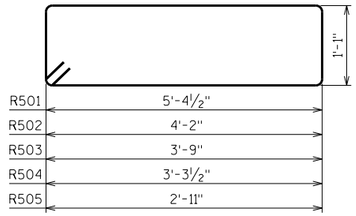
SCALE = 1.00

8

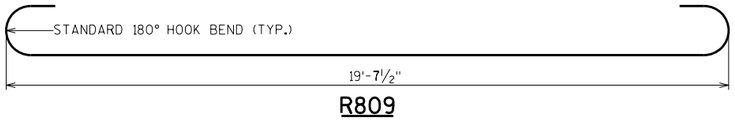
8

STATE PROJECT NUMBER

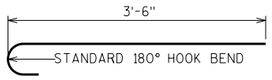
1020-07-79



R501 R502 R503 R504 R505
(STIRRUP BARS)



R809



R511

BILL OF BARS

NOTE:
THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

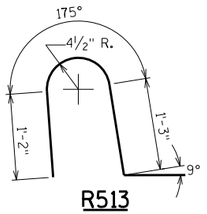
BAR MARK	COAT	NO. REQUIRED. WEST SLAB	NO. REQUIRED. EAST SLAB	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	61	61	13'-7"	X		FOOTING-VERTICAL-STIRRUP BAR-BETWEEN PARAPETS
R502	X	1	1	11'-2"	X		FOOTING-VERTICAL-STIRRUP BAR-AT WING 2&4 ENDS ONLY
R503	X	1	1	10'-4"	X		FOOTING-VERTICAL-STIRRUP BAR-AT WING 2&4 ENDS ONLY
R504	X	1	1	9'-5"	X		FOOTING-VERTICAL-STIRRUP BAR-AT WING 1&3 ENDS ONLY
R505	X	1	1	8'-8"	X		FOOTING-VERTICAL-STIRRUP BAR-AT WING 1&3 ENDS ONLY
R806	X	4	4	1'-4"			FOOTING-TOP & BOTTOM-HORIZONTAL-AT ENDS ONLY
R807	X	8	8	37'-5"			FOOTING-TOP & BOTTOM-HORIZONTAL-AT OUTSIDE FACE
R808	X	16	16	38'-11"			FOOTING-TOP & BOTTOM-HORIZONTAL-AT INSIDE FACE
R809	X	103	103	21'-6"	X		SLAB-BOTTOM-LONGITUDINAL
R510	X	84	84	37'-6"			SLAB-TOP & BOTTOM-TRANSVERSE
R511	X	40	40	4'-1"	X		SLAB-TOP-TRANSVERSE-AT BOTH EDGES
R512	X	63	63	19'-7"			SLAB-TOP-LONGITUDINAL
R513	X	60	34	4'-5"	X		PARAPETS/SLAB-VERTICAL-AT ALL FOUR PPT. ENDS
R514	X	60	34	6'-8"	X		PARAPETS-VERTICAL-AT ALL FOUR PPT. ENDS
R515	X	16	--	19'-8"			PARAPETS-BOTH FACES-HORIZONTAL-AT WEST PPT. ENDS ONLY
R516	X	--	2	19'-6"	X		PARAPETS-BOT.-INSIDE FACE-HORIZONTAL-AT EAST PPT. ENDS ONLY
R517	X	--	4	19'-6"	X		PARAPETS-TOP-BOTH FACES-VERTICAL-AT EAST PPT. ENDS ONLY
R518	X	--	34	4'-4"	X		PARAPETS/SLAB-VERTICAL-AT EAST PPT. ENDS ONLY
R519	X	--	24	2'-9"	X		PARAPETS/SLAB-INSIDE FACE-VERTICAL-AT EAST PPT. ENDS ONLY
R520	X	--	12	6'-6"	X		PARAPETS-VERTICAL-AT EAST PPT. ENDS ONLY
R521	X	--	8	6'-5"	X		PARAPETS-END-VERTICAL-AT EAST PPT. ENDS ONLY
R522	X	--	14	5'-8"	X	⚠	PARAPETS-END TAPER-VERTICAL-AT EAST PPT. ENDS ONLY
R523	X	--	10	19'-6"			PARAPETS-BOTH FACES-HORIZONTAL-AT EAST PPT. ENDS ONLY

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL BAR LENGTHS.

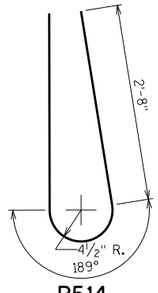
BAR SERIES TABLE

BAR MARK	NUMBER REQUIRED	TOTAL BAR LENGTH
R522	2 SERIES OF 7 BARS	4'-11" TO 6'-4"

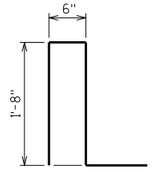
BUNDLE AND TAG EACH SERIES SEPARATELY.



R513



R514



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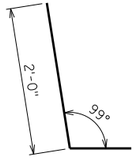

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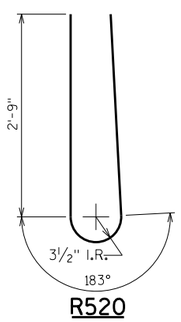

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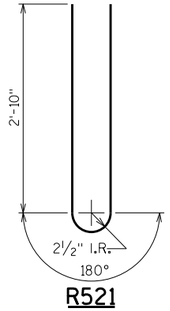

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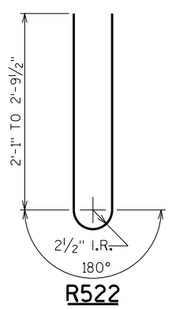
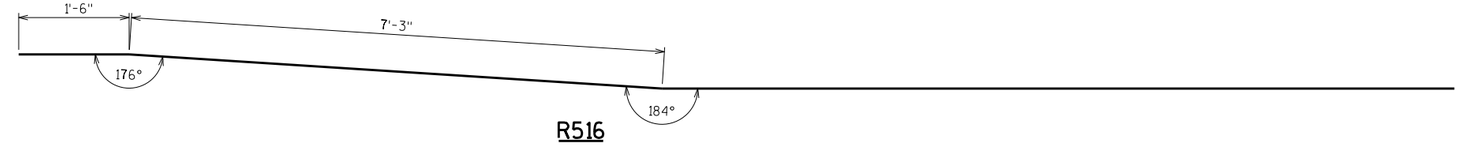
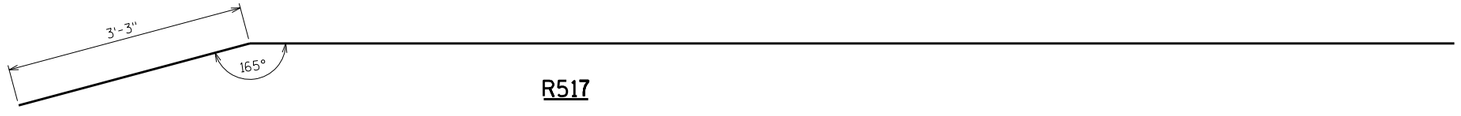


R522



R516



R517

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-250

DRAWN BY JPH | PLANS CK'D. MJK

STRUCTURAL APPROACH SLAB BAR DETAILS

SHEET 22

314

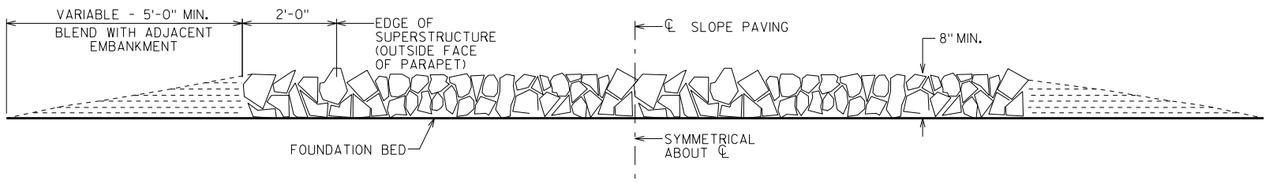
SCALE = 1.00

8

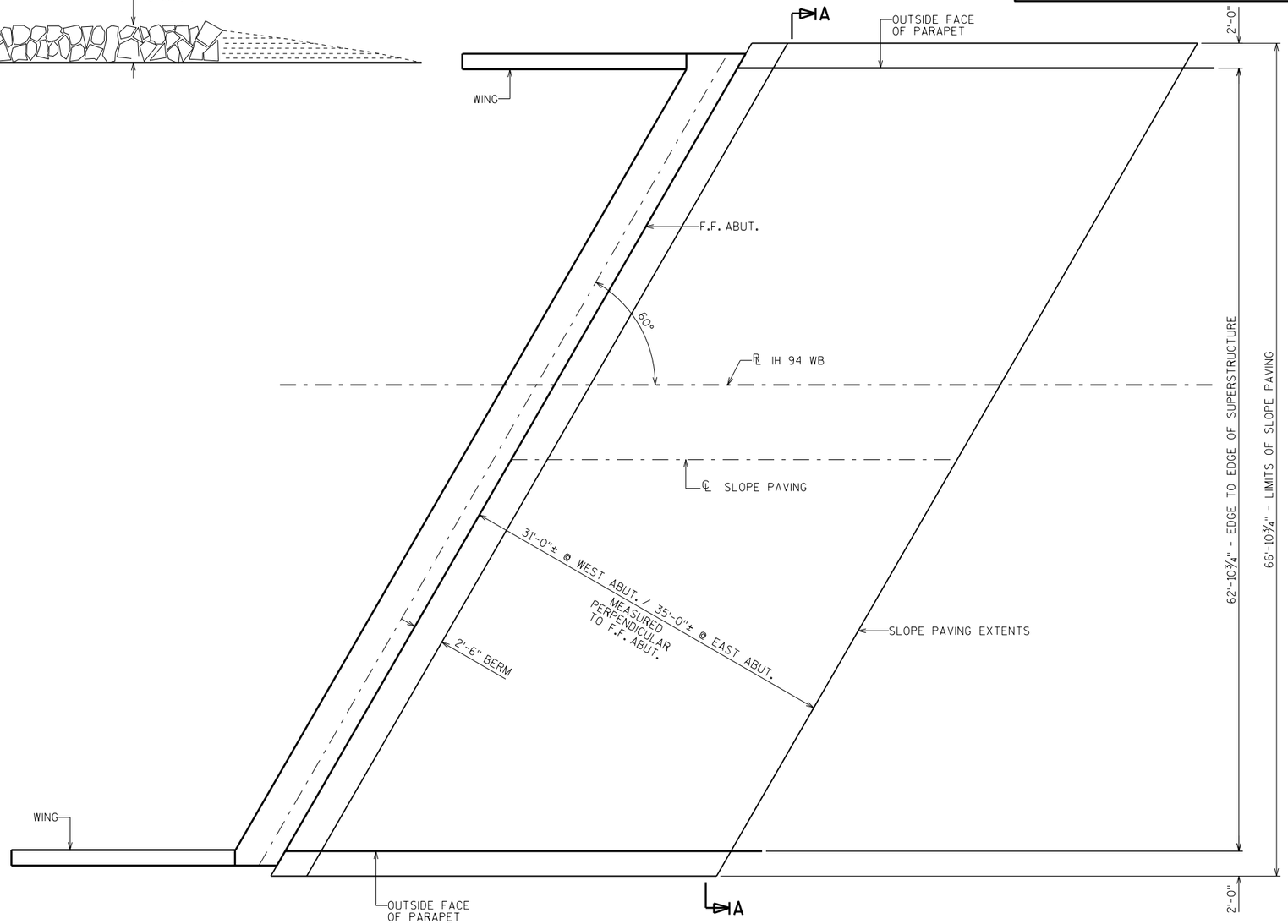
8

STATE PROJECT NUMBER

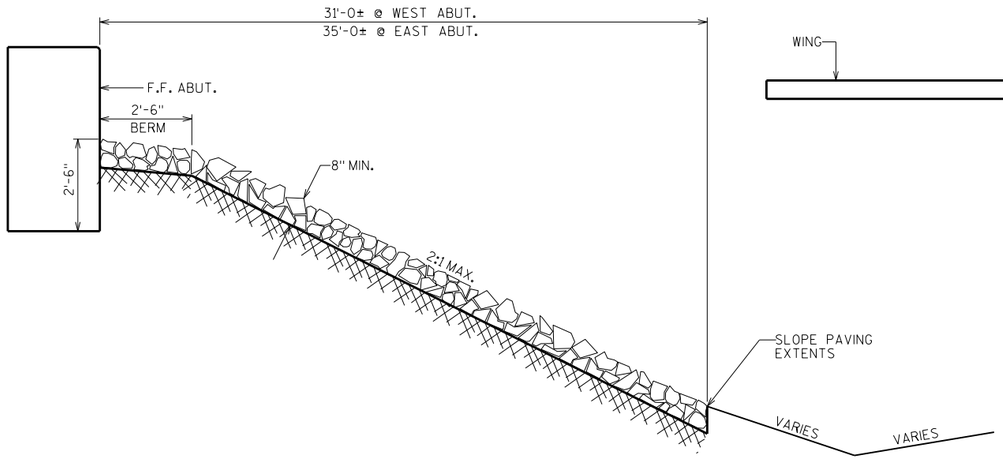
1020-07-79



SECTION A-A



PLAN AT BOTH ABUTMENTS



CROSS SECTION THRU SELECT CRUSHED MATERIAL AT ABUTMENTS

ASPHALTIC MATERIAL SHALL NOT BE APPLIED TO THE SURFACE OF SELECT CRUSHED MATERIAL

NOTES

BID ITEM SHALL BE "SLOPE PAVING SELECT CRUSHED MATERIAL"

WOOD FORMS MAY BE LEFT IN PLACE WHEN OF A QUALITY ACCEPTABLE TO THE ENGINEER.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-250

DRAWN BY JPH | PLANS CK'D. MJK

SLOPE PAVING SELECT CRUSHED MATERIAL

SHEET 23

315

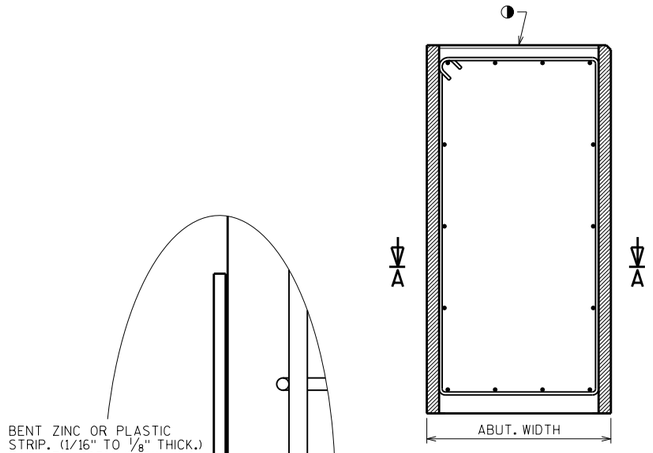
SCALE = 1.00

8

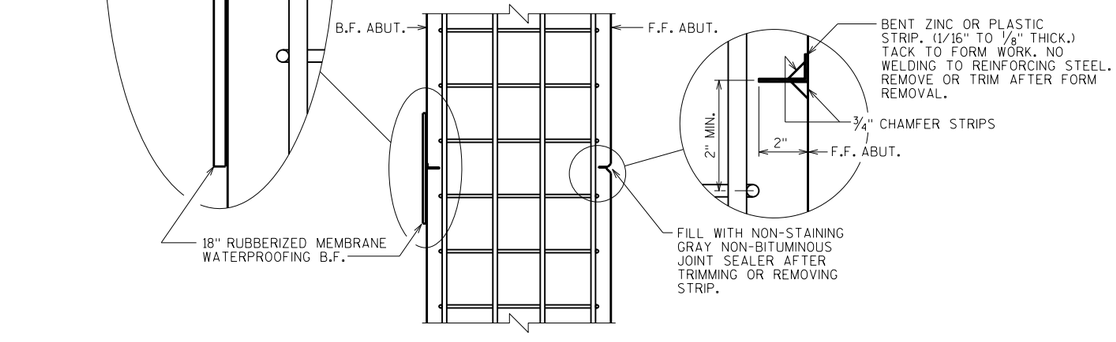
8

STATE PROJECT NUMBER

1020-07-79



SECTION THRU ABUTMENT BODY



SECTION A-A

ALTERNATE CONSTRUCTION JOINT AT ABUTMENT

NOTES

PARTIAL ZINC OR PLASTIC BULKHEAD MAY BE USED AS ALTERNATE CONSTRUCTION JOINT, WITH THE PERMISSION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

VERTICAL CONSTRUCTION JOINT KEYWAY IS NOT REQUIRED WHEN USING ALTERNATE CONSTRUCTION JOINT.

CARE IS TO BE USED IN CASTING CONCRETE AROUND BULKHEAD TO PREVENT DISLOCATION OR MISALIGNMENT OF THE BULKHEAD.

SAW CUTTING JOINT IS NOT ALLOWED.

◑ USE A JOINT TOOL TO CONSTRUCT A CONTRACTION JOINT APPROXIMATELY 1/2" DEEP.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-250

DRAWN BY JPH | PLANS CK'D. MJK

ALTERNATE CONSTRUCTION JOINT

SHEET 24

316

SCALE = 1.00

8

8

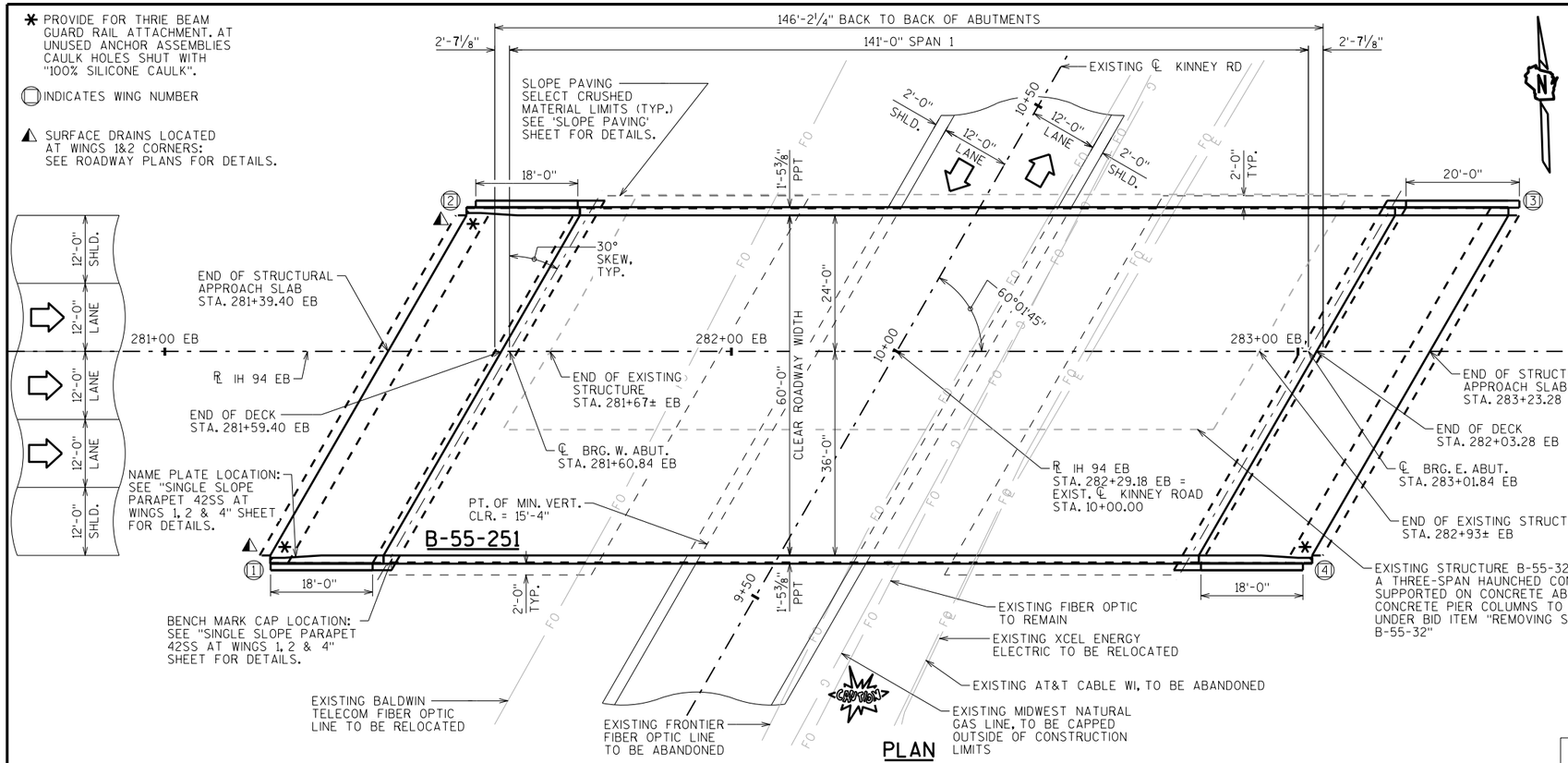
STATE PROJECT NUMBER

1020-07-80

✱ PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT. AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

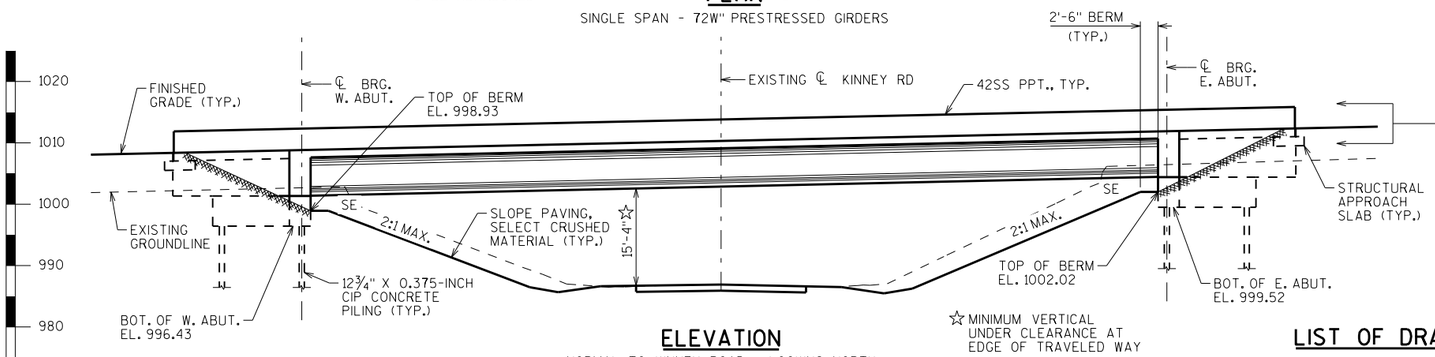
(1) INDICATES WING NUMBER

⚠ SURFACE DRAINS LOCATED AT WINGS 1&2 CORNERS: SEE ROADWAY PLANS FOR DETAILS.



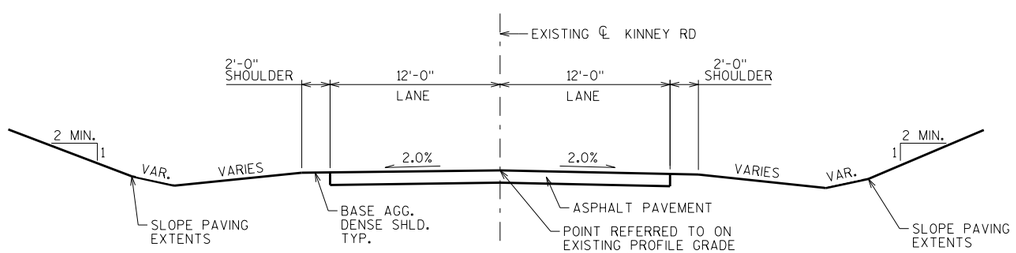
PLAN

SINGLE SPAN - 72W" PRESTRESSED GIRDERS



ELEVATION

NORMAL TO KINNEY ROAD - LOOKING NORTH



EXISTING CROSS SECTION THRU KINNEY RD

NORMAL TO KINNEY ROAD - LOOKING NORTH

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.13
OPERATING RATING FACTOR: RF = 1.46
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
SUPERSTRUCTURE & STRUCTURAL APPROACH SLABS — f'c = 4,000 P.S.I.
ALL OTHER — f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT:
GRADE 60 — fy = 60,000 P.S.I.
STAINLESS, GRADE 60 — fy = 60,000 P.S.I.

72W" PRESTRESSED GIRDERS:
CONCRETE MASONRY — f'c = 8,000 P.S.I.
STRANDS: 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

FOUNDATION DATA

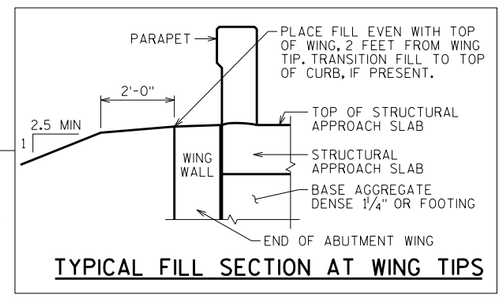
ABUTMENTS TO BE SUPPORTED ON 12¾" X 0.375-INCH CIP CONCRETE PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 140 TONS ✱✱ PER PILE AS DETERMINED BY THE PDA METHOD.
ESTIMATED 70 FEET LONG AT WEST ABUTMENT.
ESTIMATED 60 FEET LONG AT EAST ABUTMENT.

✱✱ THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.65 USING THE PDA METHOD TO DETERMINE DRIVEN PILE CAPACITY.

TRAFFIC VOLUME

IH 94
ADT = 51,800. (2046)
R.D.S. = 70 M.P.H.

KINNEY ROAD
ADT = 400 (2038)
R.D.S. = 50 M.P.H.



TYPICAL FILL SECTION AT WING TIPS

STRUCTURE DESIGN CONTACTS:

MAXWELL KULICK (608) 261-6108
DOMINIQUE BECHLE (608) 261-8205

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. SUBSURFACE EXPLORATION
4. WEST ABUTMENT
5. WEST ABUTMENT DETAILS
6. EAST ABUTMENT
7. EAST ABUTMENT DETAILS
8. 72W" PRESTRESSED GIRDER DETAILS 1
9. 72W" PRESTRESSED GIRDER DETAILS 2
10. STEEL DIAPHRAGM
11. SUPERSTRUCTURE CROSS SECTIONS
12. ABUTMENT DIAPHRAGMS
13. SUPERSTRUCTURE PLAN
14. DECK (BOTTOM STEEL)
15. DECK (TOP STEEL)
16. SUPERSTRUCTURE BAR DETAILS
17. STRUCTURAL APPROACH SLABS
18. STRUCTURAL APPROACH SLAB DETAILS
19. SINGLE SLOPE PARAPET 42SS AT WINGS 1, 2 & 4
20. SINGLE SLOPE PARAPET 42SS AT WING 3
21. STRUCTURAL APPROACH SLAB BAR DETAILS
22. SLOPE PAVING SELECT CRUSHED MATERIAL
23. ALTERNATE CONSTRUCTION JOINT

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED DMB 04/01/24
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-55-251

IH 94 EB OVER KINNEY ROAD

COUNTY	TOWN
ST. CROIX	HUDSON

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
MJK	SCL	JPH	MJK

GENERAL PLAN

SHEET 1 OF 23

317

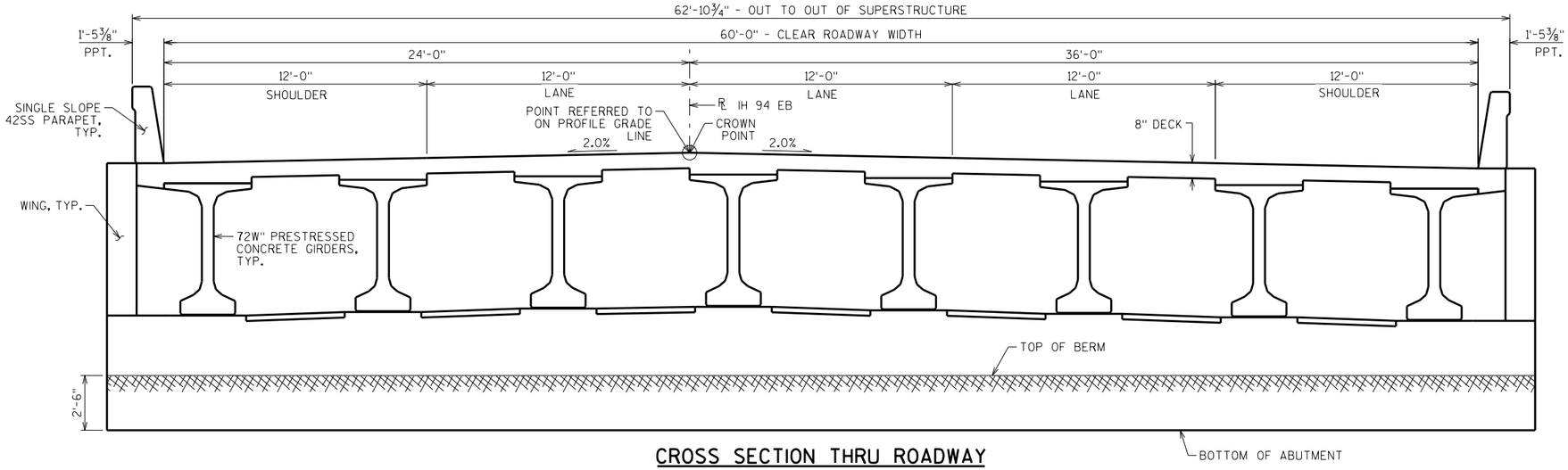
I.D. 1020-07-10A

DATE: MAY 2020

SCALE = 12.00

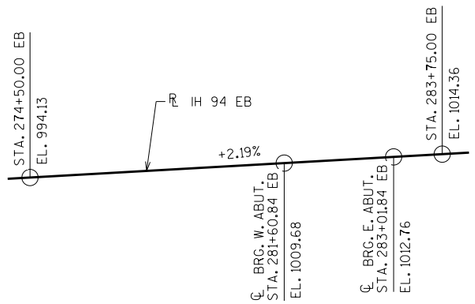
8

8

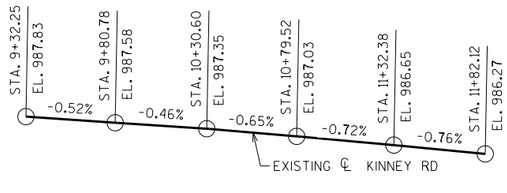


CROSS SECTION THRU ROADWAY

LOOKING EAST



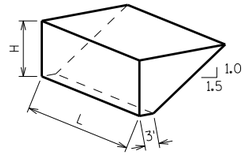
PROFILE GRADE LINE - IH 94 EB



EXISTING PROFILE GRADE LINE - KINNEY RD

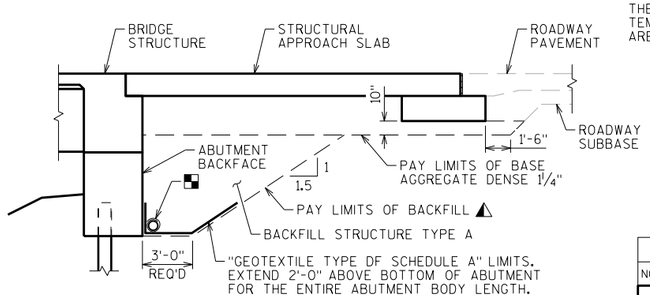
TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	W. STRUCT. APP. SLAB	WEST ABUT.	EAST ABUT.	E. STRUCT. APP. SLAB	TOTALS
203.0220	REMOVING STRUCTURE B-55-32	EACH	———	———	———	———	———	1
206.1001	EXCAVATION FOR STRUCTURES BRIDGES B-55-251	EACH	———	———	———	———	———	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	---	---	505	505	---	1,010
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	---	194	---	---	194	388
502.0100	CONCRETE MASONRY BRIDGES	CY	435	87	81	84	87	774
502.3200	PROTECTIVE SURFACE TREATMENT	SY	997	134	---	---	134	1,265
502.3210	PIGMENTED SURFACE SEALER	SY	142	20	---	---	20	182
503.0172	PRESTRESSED GIRDER TYPE I 72W-INCH	LF	1,136	---	---	---	---	1,136
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	---	---	5,870	5,900	---	11,770
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	66,800	15,200	3,170	3,700	15,130	104,000
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	2,110	---	---	---	---	2,110
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	16	---	---	---	---	16
506.4000	STEEL DIAPHRAGMS B-55-251	EACH	14	---	---	---	---	14
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	---	---	20	20	---	40
550.2126	PILING CIP CONCRETE 12 3/4 X 0.375-INCH	LF	---	---	1,400	1,200	---	2,600
604.0600	SLOPE PAVING SELECT CRUSHED MATERIAL	SY	---	---	290	330	---	620
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	---	---	140	140	---	280
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	3	---	---	---	---	3
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	---	---	72	72	---	144
SPV.0060	PILE DYNAMIC ANALYZER (PDA) TESTING	EACH	---	---	2	2	---	4
SPV.0060	PILE DYNAMIC ANALYZER (PDA) RESTRIKES	EACH	---	---	2	2	---	4
SPV.0060	CASE PILE WAVE ANALYSIS PROGRAM (CAPWAP) EVALUATION	EACH	---	---	1	1	---	2
	NON-BID ITEMS							
	FILLER	SIZE	———	———	———	———	———	½", ¾", 1½"



ABUTMENT BACKFILL DIAGRAM FOR WINGS PARALLEL TO ROADWAY

L = OUT TO OUT OF ABUTMENT, INCLUDING WINGS (FT)
H = AVERAGE ABUTMENT FILL HEIGHT (FT)
EF = EXPANSION FACTOR (1.20 FOR CY BID ITEMS AND 1.00 FOR TON BID ITEMS)
V_{CF} = (L)(3.0')(H) + (L)(0.5)(1.5H)(H)
V_{CY} = V_{CF} (EF)/27
V_{TON} = V_{CY} (2.0)



TYPICAL SECTION THRU ABUTMENT

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

▪ PIPE UNDERDRAIN WRAPPED (6 INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.

STATE PROJECT NUMBER

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GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES B-55-251" SHALL BE THE EXISTING GROUNDLINE.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A. ALSO EXCLUDED IS THE "BASE AGGREGATE DENSE 1 1/4-INCH" AS DETAILED ON THE STRUCTURAL APPROACH SLAB SHEETS.

EXCAVATION BELOW THE ABUTMENT AND ABUTMENT BEDDING MATERIALS REQUIRES ENGINEER APPROVAL. GEOTEXTILE SHALL BE SET AT THE BOTTOM OF EXCAVATION AND EXTEND 2'-0" ABOVE BOTTOM OF ABUTMENT.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK AND APPROACH SLAB SURFACES AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGMS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS, INCLUDING PARAPETS ON APPROACH SLABS.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON SHEET 1 AND THE ABUTMENT DETAILS.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE "72W PRESTRESSED GIRDER DETAILS 2" SHEET.

EXISTING STRUCTURE B-55-32 IS A 3-SPAN HAUNCHED SLAB WITH ABUTMENTS AND PIERS SUPPORTED ON TIMBER PILING AND IS TO BE REMOVED.

ANY TEMPORARY SHORING REQUIRED TO CONSTRUCT THE TEMPORARY STRUCTURE WILL BE INCIDENTAL TO BID ITEM "TEMPORARY STRUCTURE STA. 282+72 WB" ON B-55-250 PLANS.

THE TEMPORARY STRUCTURE LOCATION AND TEMPORARY STRUCTURE BID ITEM ARE SHOWN ON B-55-250 PLANS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-251

DRAWN BY JPH | PLANS CK'D. MJK

CROSS SECTION & QUANTITIES

SHEET 2

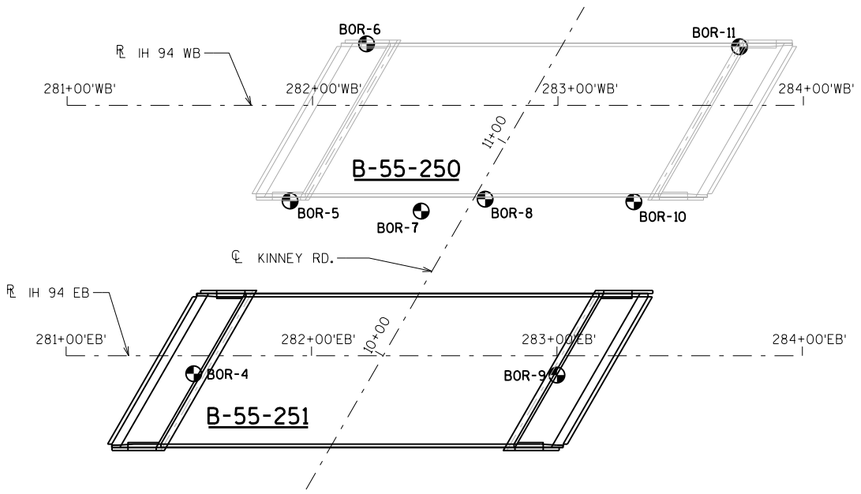
318

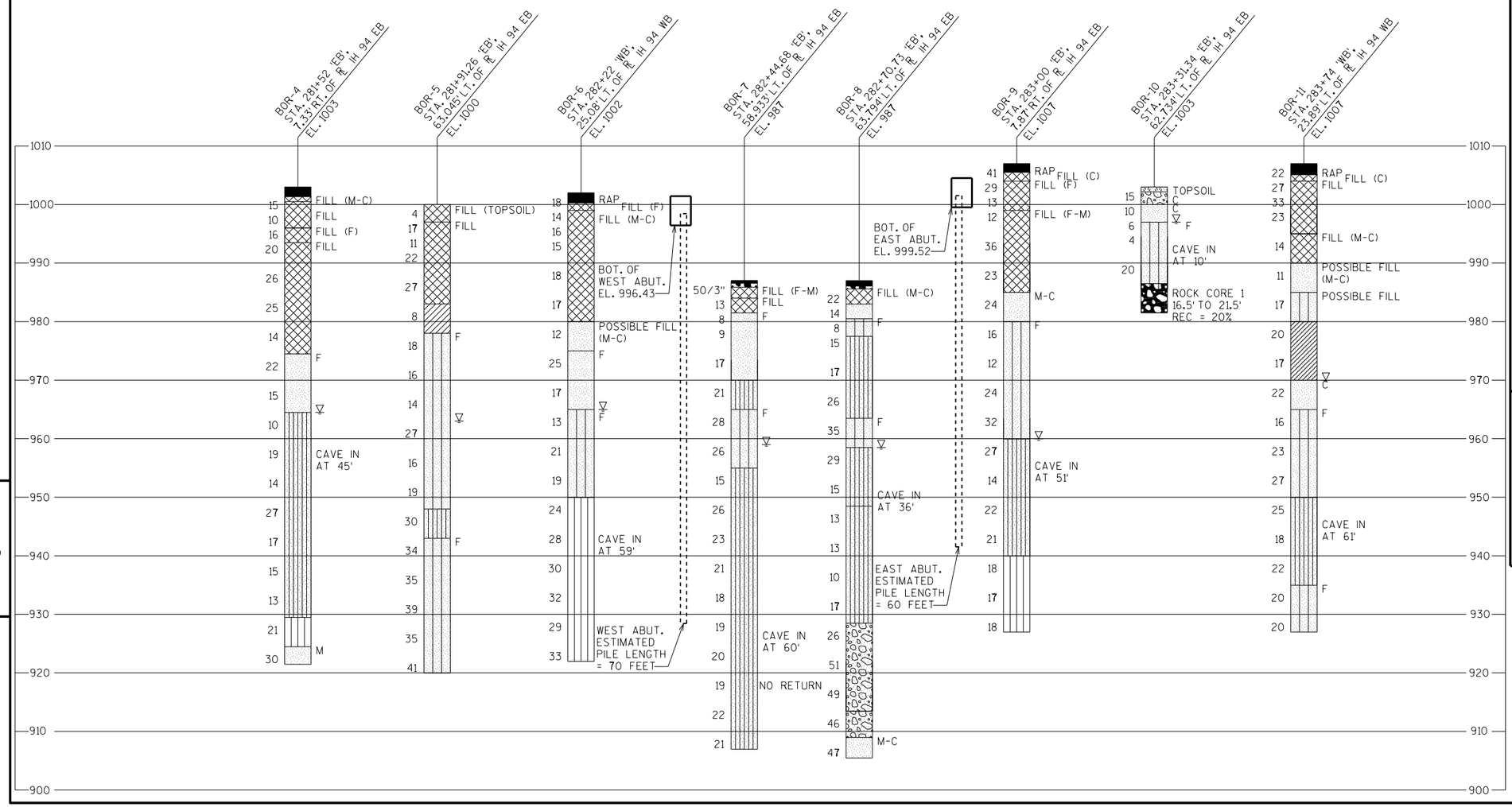
8

8

SCALE = 3.00

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
4	12/11/2018	338059	540590
5	11/27/2018	338129	540630
6	12/04/2018	338193	540662
7	12/13/2018	338124	540683
8	12/12/2018	338129	540709
9	12/11/2018	338057	540737
10	11/08/2018	338127	540770
11	12/05/2018	338189	540814
BORINGS COMPLETED BY: PSI			
REPORT COMPLETED BY: PSI			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) ST. CROIX COUNTY			
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT			





STATE PROJECT NUMBER

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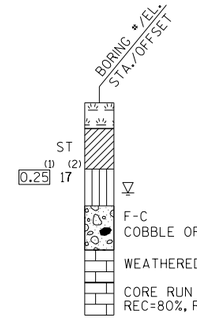
MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-251

DRAWN BY TLP/JPH | PLANS CK'D. MJK

SUBSURFACE EXPLORATION

SHEET 3

319

SCALE = 30.00

8

8

STATE PROJECT NUMBER

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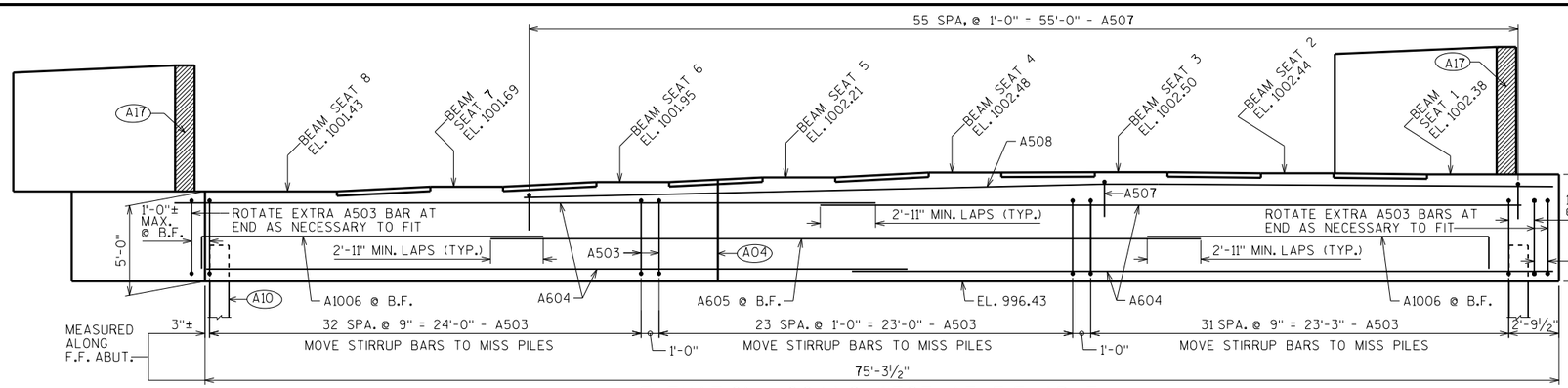
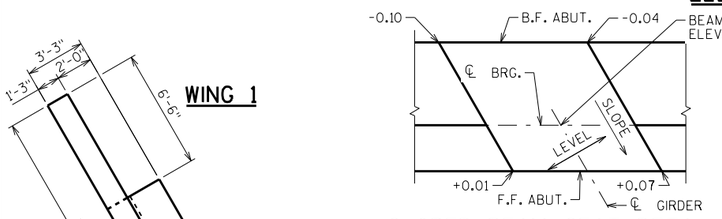
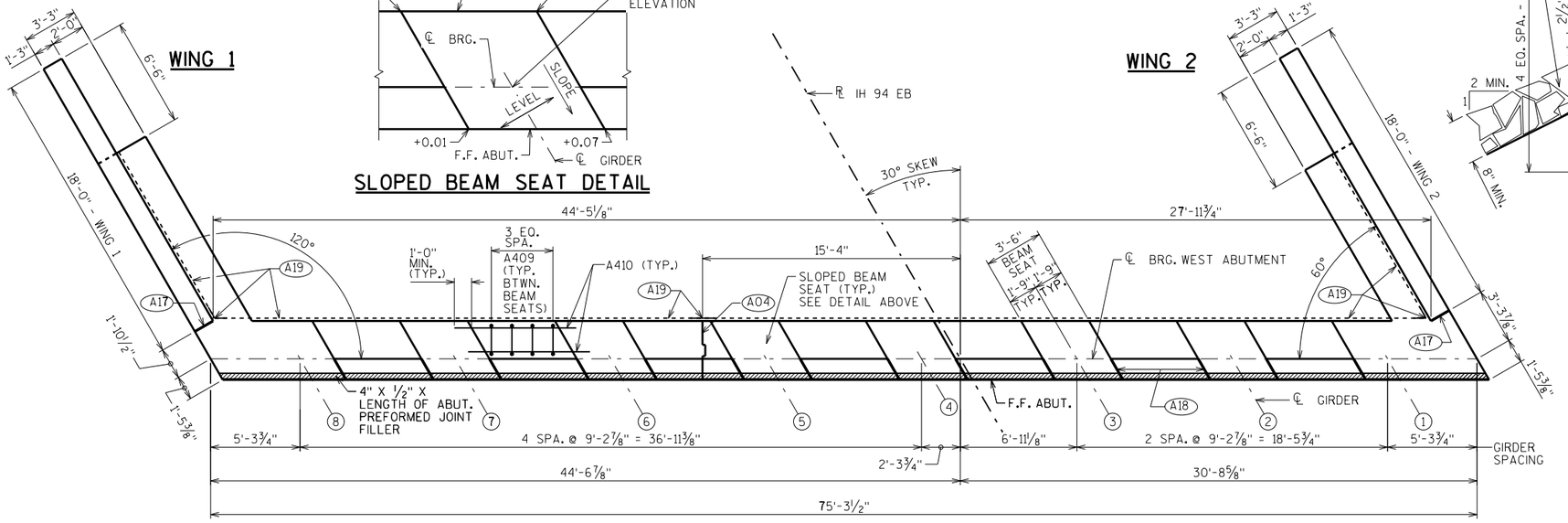
STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING BEARING PADS. TOTAL THICKNESS OF SHEETS SHALL BE 0.03" MIN.



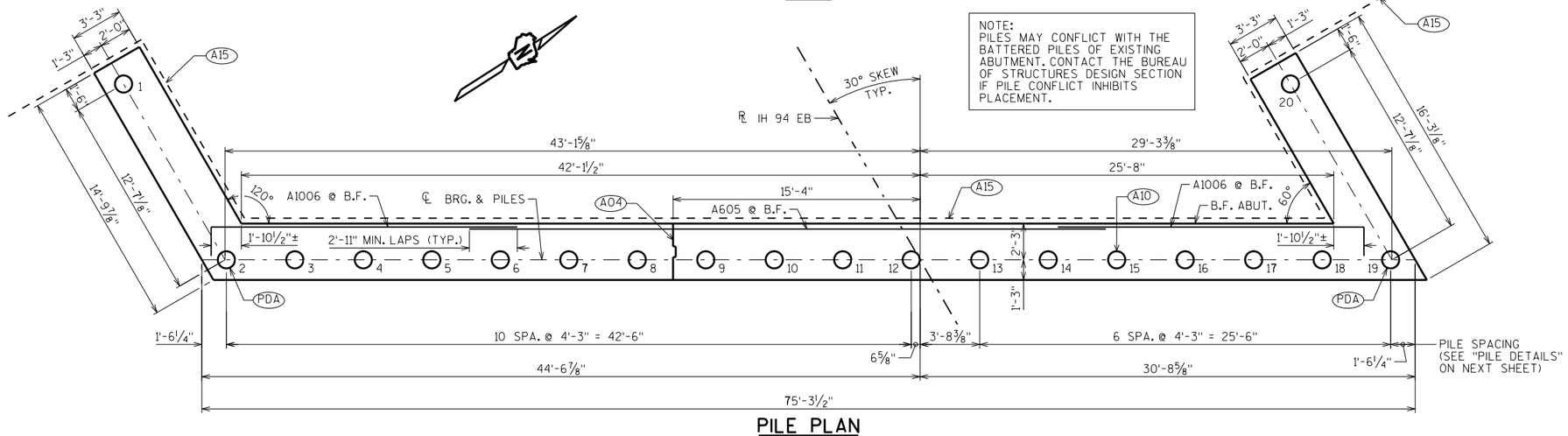
ELEVATION LOOKING WEST AT F.F. ABUT.



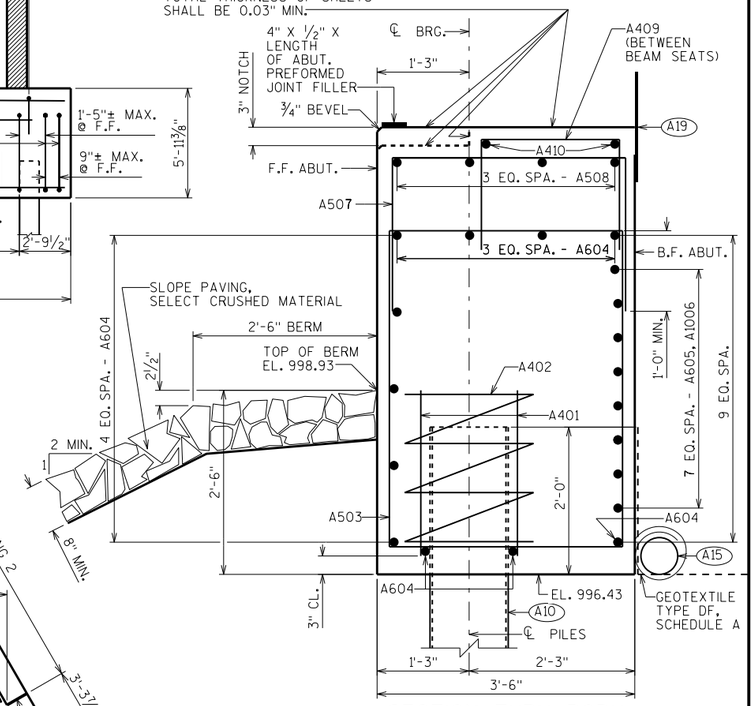
SLOPED BEAM SEAT DETAIL



PLAN



PILE PLAN



SECTION THRU BODY

◯ INDICATES GIRDER NUMBER

(A04) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2" x 8". 3/4" "V" GROOVE @ THE FRONT FACE AND 18" RMW @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

(A10) SUPPORT ABUTMENT ON 12 3/4" DIA. X 0.375" CIP CONCRETE PILING, ESTIMATED 70'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 140 TONS PER PILE. SEE "PILE DETAILS" ON NEXT SHEET.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A18) 3/4" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

(PDA) PILE DYNAMIC ANALYZER TESTING AND RESTRIKES REQUIRED AT THIS PILE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-251

DRAWN BY JPH | PLANS CK'D. MJK

WEST ABUTMENT

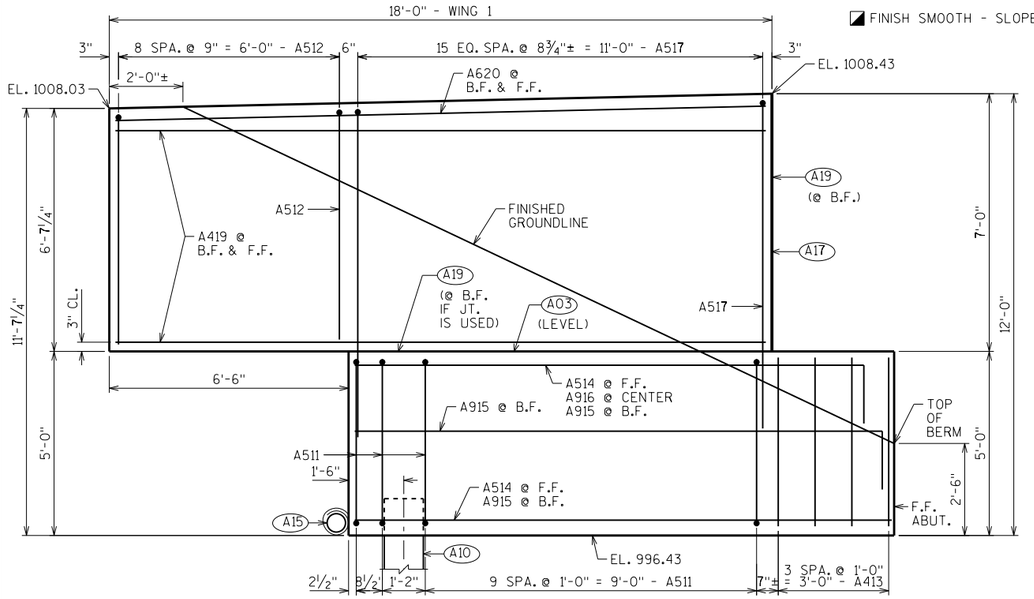
SHEET 4

320

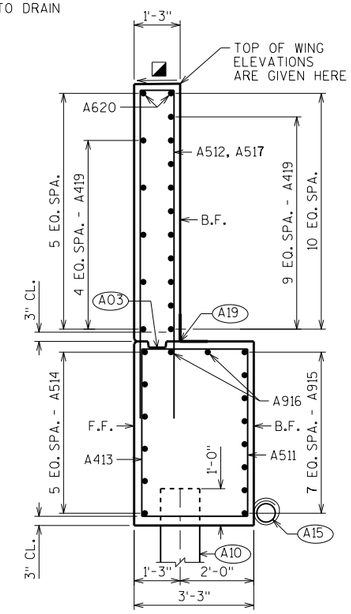
SCALE = 4.00

8

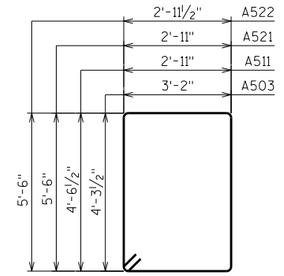
8



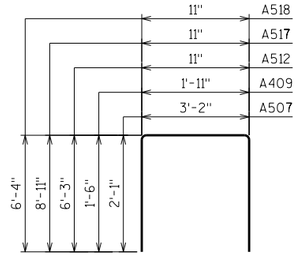
WING 1 ELEVATION LOOKING AT F.F. WING



WING 1 SECTION



A503 A511 A521 A522



A507 A409 A512 A517 A518

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

STATE PROJECT NUMBER

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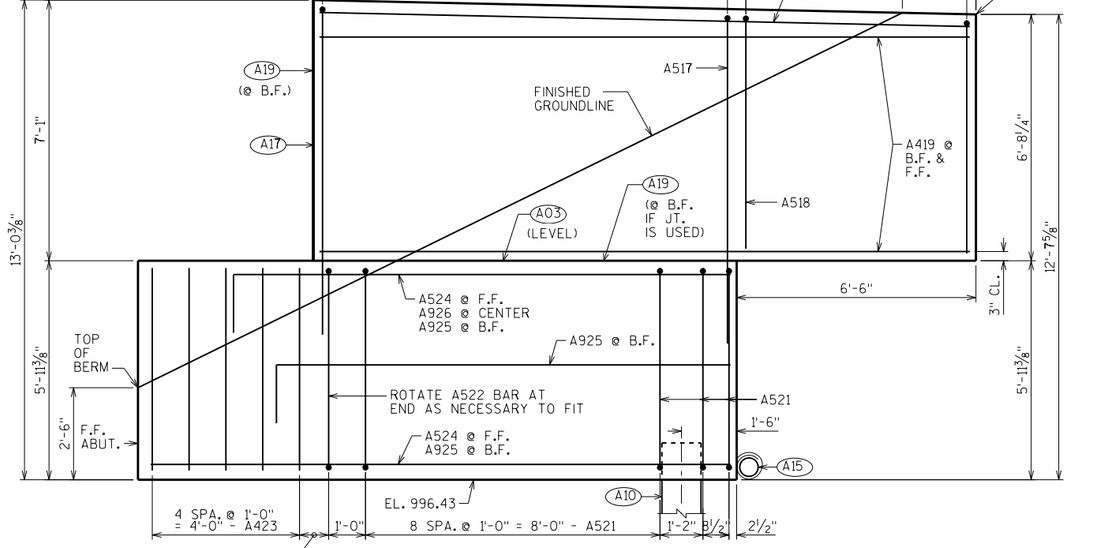
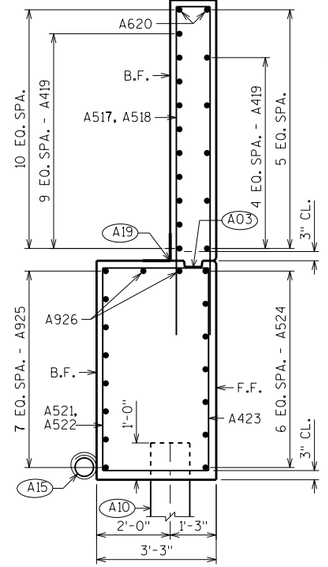
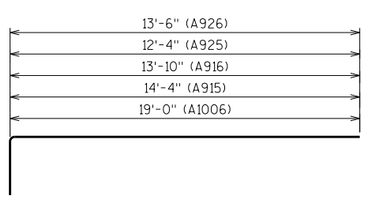
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
A401		36	2'-3"		BODY-BOTTOM-2 PER BODY PILE-VERTICAL
A402		18	28'-0"	X	BODY-BOT.-SPIRAL-1 PER BODY PILE-VERT.
A503		92	15'-7"	X	BODY-STIRRUPS-VERT.
A604		22	39'-0"		BODY-HORIZONTAL
A605		8	39'-6"		BODY-HORIZONTAL-B.F.-AT CENTER
A1006		16	20'-6"	X	BODY-HORIZONTAL-B.F.-AT BOTH ENDS
A507		56	7'-1"	X	BODY-TOP-VERT.-UNDER BEAM SEATS 1-6
A508		4	57'-3"		BODY-TOP-HORIZ.-UNDER BEAM SEATS 1-6
A409		28	4'-9"	X	BODY-TOP-VERT.-BETWEEN BEAM SEATS
A410		14	7'-3"		BODY-TOP-HORIZ.-BETWEEN BEAM SEATS
A511	X	12	15'-7"	X	WING 1-BOT.-STIRRUP-VERT.
A512	X	9	13'-2"	X	WING 1-TOP-VERTICAL-AT END
A413	X	4	4'-7"		WING 1 F.F./BODY END-BOT.-VERT.
A514	X	6	14'-7"		WING 1-BOT.-HORIZONTAL-F.F.
A915	X	8	15'-8"	X	WING 1-BOT.-HORIZONTAL-B.F.
A916	X	2	15'-2"	X	WING 1-BOT.-HORIZONTAL-CENTER
A517	X	39	18'-6"	X	WINGS 1&2-TOP-VERTICAL
A518	X	13	13'-4"	X	WINGS 2-TOP-VERTICAL-AT END
A419	X	30	17'-8"		WINGS 1&2-TOP-HORIZONTAL-B.F. & F.F.
A620	X	4	17'-8"		WINGS 1&2-TOP-HORIZONTAL-B.F. & F.F.
A521	X	11	17'-6"	X	WING 2-BOT.-STIRRUP-VERT.
A522	X	1	17'-7"	X	WING 2-BOT.-STIRRUP-VERT.-AT B.F. ABUT.
A423	X	5	5'-6"		WING 2 F.F./BODY END-BOT.-VERT.
A524	X	7	15'-9"		WING 2-BOT.-HORIZONTAL-F.F.
A925	X	8	13'-8"	X	WING 2-BOT.-HORIZONTAL-B.F.
A926	X	2	14'-10"		WING 2-BOT.-HORIZONTAL-CENTER



WING 2 ELEVATION LOOKING AT F.F. WING



WING 2 SECTION



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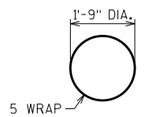
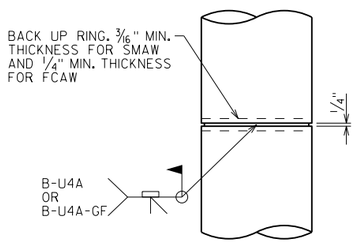


A402



CAST-IN-PLACE 'PIPE PILE' C.I.P. PILE WELD DETAIL

END PLATE DETAIL

PILE DETAILS

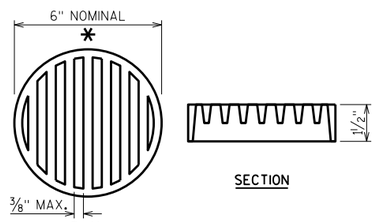
(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2" x 6". (18" RMW @ B.F. & ¾" "V" GROOVE @ F.F. IF JOINT IS USED).

(A10) SUPPORT ABUTMENT ON 12¾" DIA. X 0.375" CIP CONCRETE PILING, ESTIMATED 70'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 140 TONS PER PILE.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) ½" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.



PLAN

ROD ENT SHIELD DETAIL

*DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-251

DRAWN BY JPH | PLANS CK'D. MJK

WEST ABUTMENT DETAILS

SHEET 5

321

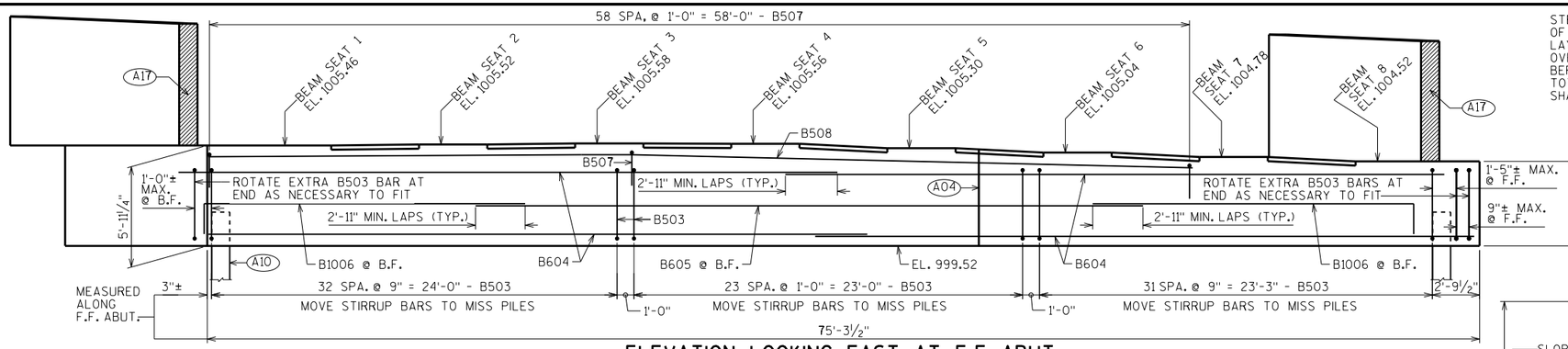
8

8

SCALE = 2.00

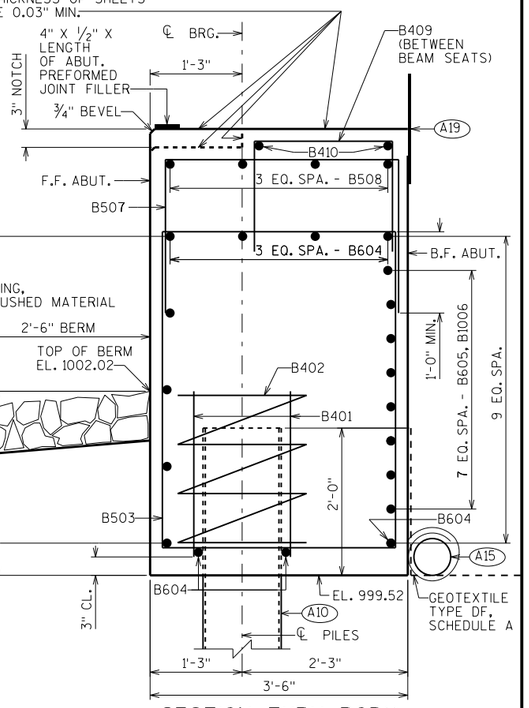
STATE PROJECT NUMBER

1020-07-80

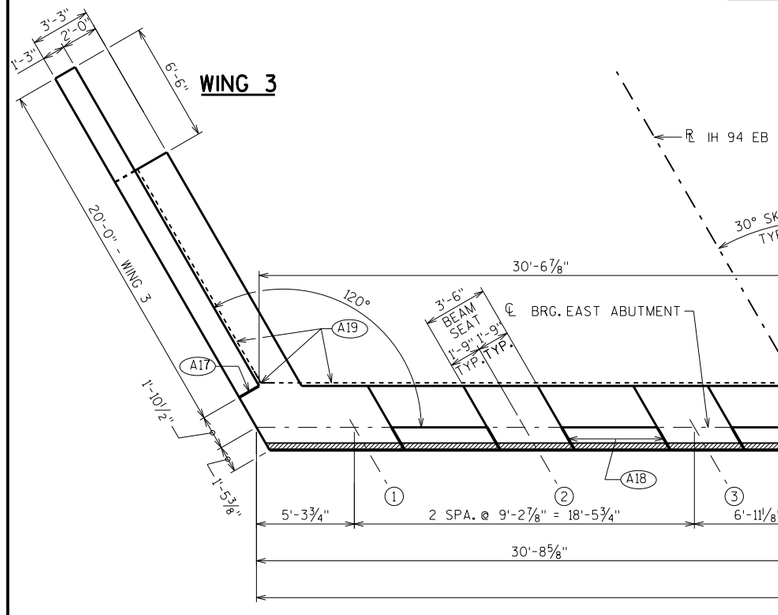


ELEVATION LOOKING EAST AT F.F. ABUT.

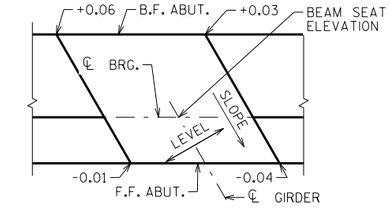
STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING BEARING PADS. TOTAL THICKNESS OF SHEETS SHALL BE 0.03" MIN.



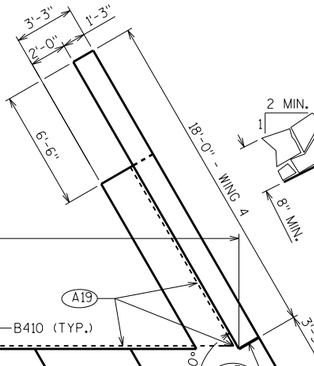
SECTION THRU BODY

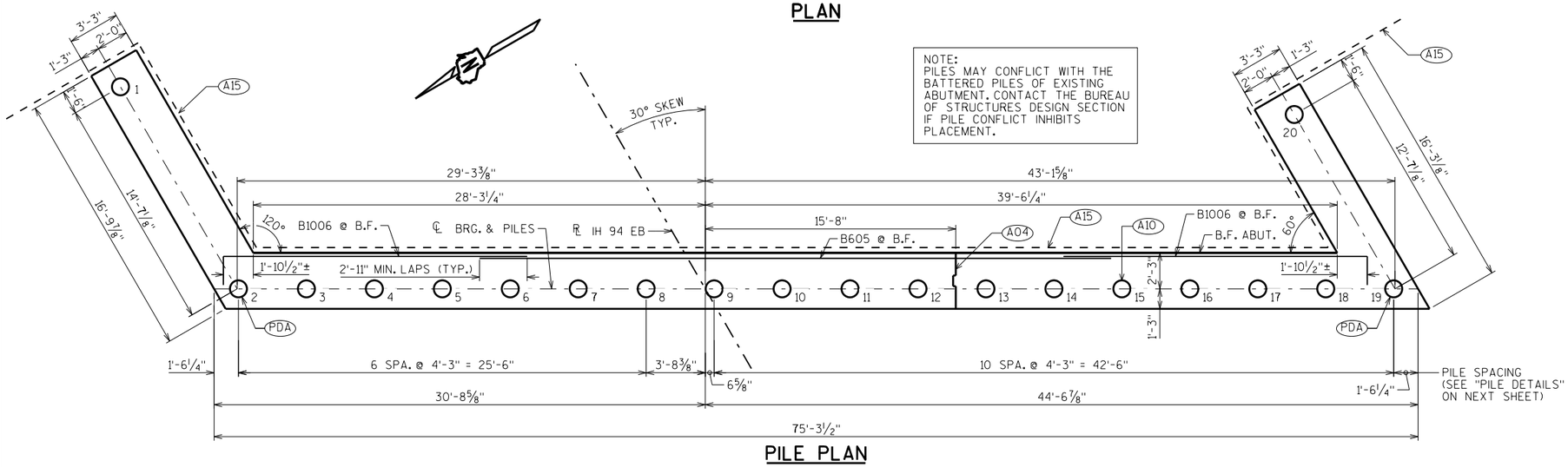


PLAN



SLOPED BEAM SEAT DETAIL





PILE PLAN

NOTE:
PILES MAY CONFLICT WITH THE BATTERED PILES OF EXISTING ABUTMENT. CONTACT THE BUREAU OF STRUCTURES DESIGN SECTION IF PILE CONFLICT INHIBITS PLACEMENT.

Ⓐ INDICATES GIRDER NUMBER

(A04) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2" x 8". ¾" "V" GROOVE @ THE FRONT FACE AND 18" RMW @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

(A10) SUPPORT ABUTMENT ON 12¾" DIA. X 0.375" CIP CONCRETE PILING, ESTIMATED 60'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 140 TONS PER PILE. SEE "PILE DETAILS" ON NEXT SHEET.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) ½" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A18) ¾" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

(PDA) PILE DYNAMIC ANALYZER TESTING AND RESTRIKES REQUIRED AT THIS PILE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-251

DRAWN BY JPH | PLANS CK'D. MJK

EAST ABUTMENT

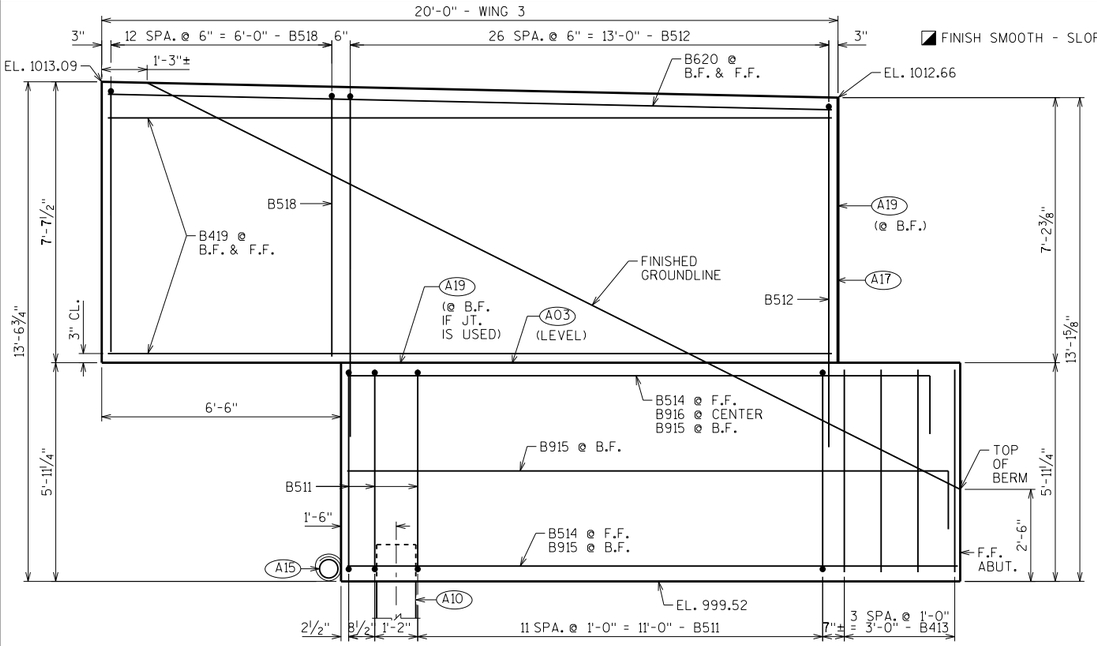
SHEET 6

322

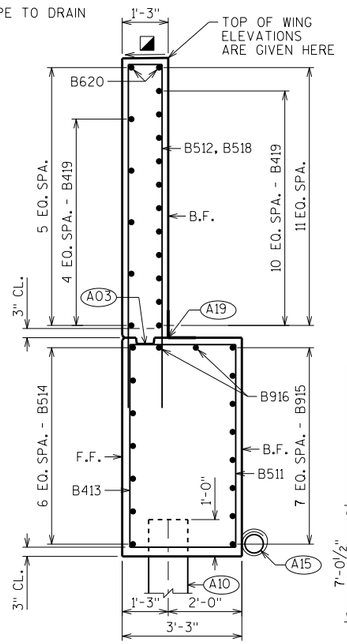
8

8

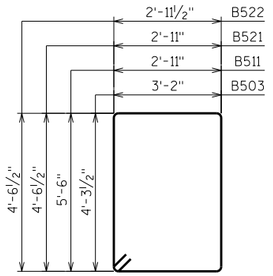
SCALE = 4.00



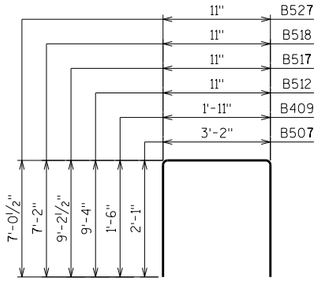
WING 3 ELEVATION LOOKING AT F.F. WING



WING 3 SECTION



B503 B511 B521 B522



B507 B409 B512 B518 B527 B517

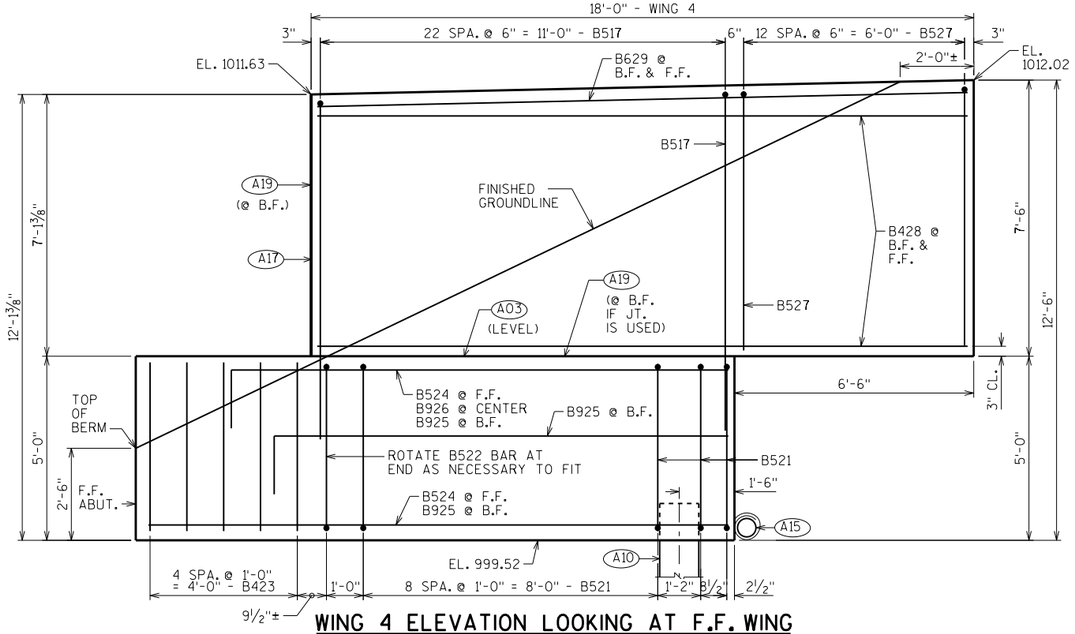
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

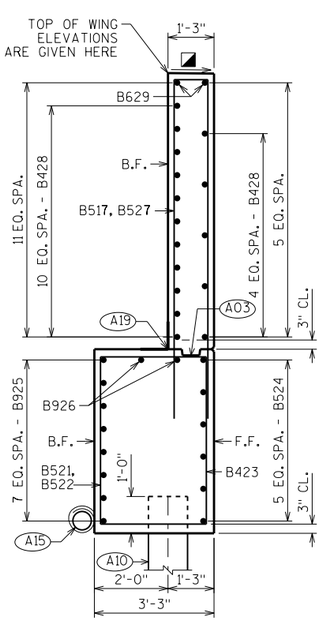
STATE PROJECT NUMBER

1020-07-80

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
B401		36	2'-3"		BODY-BOTTOM-2 PER BODY PILE-VERTICAL
B402		18	28'-0"	X	BODY-BOT.-SPIRAL-1 PER BODY PILE-VERT.
B503		92	15'-7"	X	BODY-STIRRUPS-VERT.
B604		22	39'-0"		BODY-HORIZONTAL
B605		8	39'-6"		BODY-HORIZONTAL-B.F.-AT CENTER
B1006		16	20'-6"	X	BODY-HORIZONTAL-B.F.-AT BOTH ENDS
B507		59	7'-1"	X	BODY-TOP-VERT.-UNDER BEAM SEATS 1-6
B508		4	58'-3"		BODY-TOP-HORIZ.-UNDER BEAM SEATS 1-6
B409		28	4'-9"	X	BODY-TOP-VERT.-BETWEEN BEAM SEATS
B410		14	7'-3"		BODY-TOP-HORIZ.-BETWEEN BEAM SEATS
B511	X	14	17'-6"	X	WING 3-BOT.-STIRRUP-VERT.
B512	X	27	19'-4"	X	WING 3-TOP-VERTICAL
B413	X	4	5'-6"		WING 3 F.F./BODY END-BOT.-VERT.
B514	X	7	16'-7"		WING 3-BOT.-HORIZONTAL-F.F.
B915	X	8	17'-8"	X	WING 3-BOT.-HORIZONTAL-B.F.
B916	X	2	17'-2"	X	WING 3-BOT.-HORIZONTAL-CENTER
B517	X	23	19'-1"	X	WING 4-TOP-VERTICAL
B518	X	13	15'-0"	X	WING 3-TOP-VERTICAL-AT END
B419	X	16	19'-8"		WING 3-TOP-HORIZONTAL-B.F. & F.F.
B620	X	2	19'-8"		WING 3-TOP-HORIZONTAL-B.F. & F.F.
B521	X	11	15'-7"	X	WING 4-BOT.-STIRRUP-VERT.
B522	X	1	15'-8"	X	WING 4-BOT.-STIRRUP-VERT.-AT B.F. ABUT.
B423	X	5	4'-7"		WING 4 F.F./BODY END-BOT.-VERT.
B524	X	6	15'-9"		WING 4-BOT.-HORIZONTAL-F.F.
B925	X	8	13'-8"	X	WING 4-BOT.-HORIZONTAL-B.F.
B926	X	2	14'-10"	X	WING 4-BOT.-HORIZONTAL-CENTER
B527	X	13	14'-9"	X	WING 4-TOP-VERTICAL-AT END
B428	X	16	17'-8"		WING 4-TOP-HORIZONTAL-B.F. & F.F.
B629	X	2	17'-8"		WING 4-TOP-HORIZONTAL-B.F. & F.F.



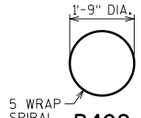
WING 4 ELEVATION LOOKING AT F.F. WING



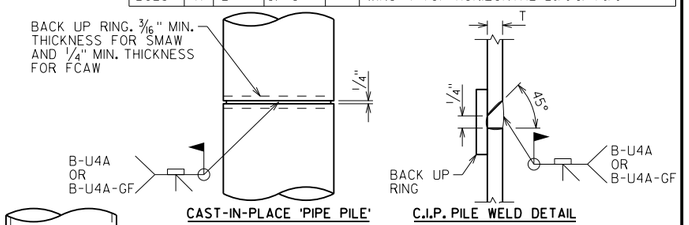
WING 4 SECTION

13'-6" (B926)
12'-4" (B925)
15'-10" (B916)
16'-4" (B915)
19'-0" (B1006)

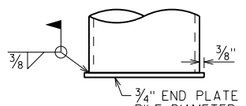
B1006 B915 B916 B925 B926



B402



CAST-IN-PLACE 'PIPE PILE' C.I.P. PILE WELD DETAIL



END PLATE DETAIL

PILE DETAILS

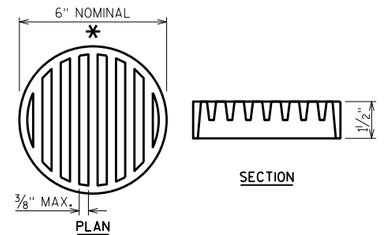
(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2" x 6". (18" RMW @ B.F. & 3/4" "V" GROOVE @ F.F. IF JOINT IS USED).

(A10) SUPPORT ABUTMENT ON 12¾" DIA. X 0.375" CIP CONCRETE PILING. ESTIMATED 60'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 140 TONS PER PILE.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) ½" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.



RODENT SHIELD DETAIL

*DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

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STRUCTURES DESIGN SECTION

STRUCTURE B-55-251

DRAWN BY JPH | PLANS CK'D. MJK

EAST ABUTMENT DETAILS

SHEET 7

323

SCALE = 2.00

8

8

STATE PROJECT NUMBER

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NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 15" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 15" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER OR EPOXY TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, END OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER. FOR GIRDER ENDS THAT ARE FINALLY EXPOSED, COAT THE GIRDER ENDS, EXPOSED STRAND ENDS AND ALL NON-BONDING SURFACES WITHIN 2 FEET OF THE GIRDER ENDS WITH A NON-PIGMENTED EPOXY CONFORMING TO AASHTO M-235 TYPE III, GRADE 2, CLASS B OR C. THE EPOXY SHALL BE APPLIED AT LEAST 3 DAYS AFTER MOIST CURING HAS CEASED AND PRIOR TO THE APPLICATION OF THE SEALER.

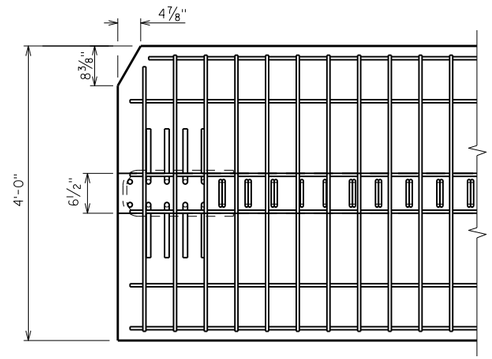
ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT.

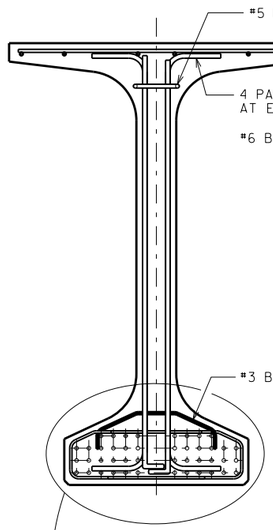
AN EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A1064 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON ACCEPTANCE OF THE STRUCTURES MAINTENANCE SECTION. IF USED, WWF SUBSTITUTION DETAILS SHALL BE SUBMITTED ELECTRONICALLY TO THE WISDOT FABRICATION LIBRARY AND ACCEPTED PRIOR TO SHOP DRAWING SUBMITTAL.

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

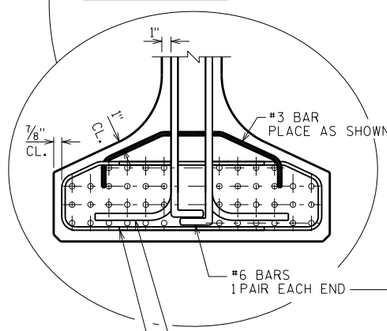
FOR DIAPHRAGM INSERT & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.

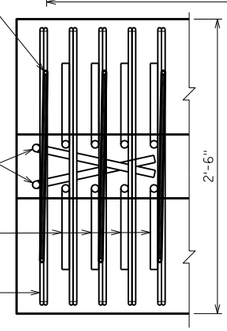


TOP FLANGE

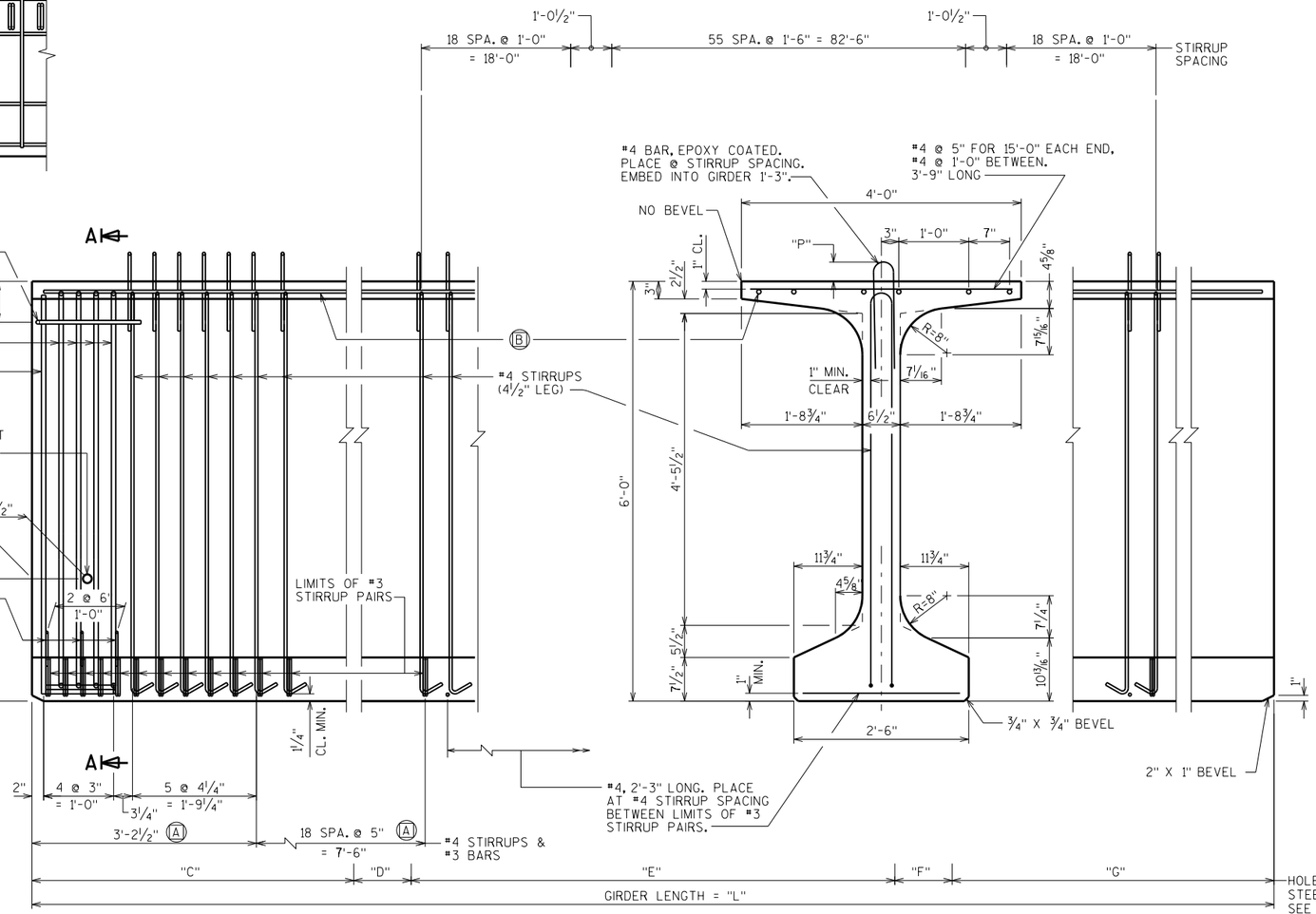


SECTION A-A





BOTTOM FLANGE

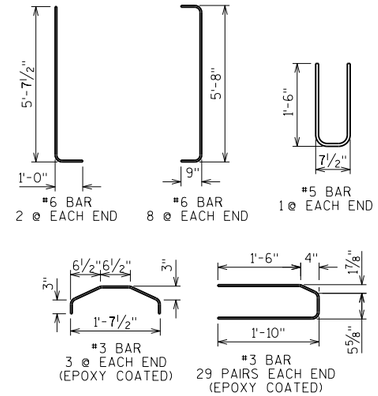


SIDE VIEW & TYP. SECTION IN SPAN

(A) DETAIL TYP. AT EACH END

(B) SIX 21'-0" LONG #6 BARS AT BOTH ENDS OF GIRDERS AND SIX #4 BARS IN BETWEEN WITH 1'-11" MIN. LAPS

HOLE SPACING FOR STEEL DIAPHRAGMS: SEE TABLE AND "SUPERSTRUCTURE PLAN" SHEET FOR MORE INFORMATION



HOLE SPACING DIMENSIONS FOR STEEL DIAPHRAGMS TO GIRDER WEB CONNECTION

GIRDER	"C"	"D"	"E"	"F"	"G"
1	45'-0 1/4"	---	47'-4"	---	49'-7 3/4"
2-7	45'-0 1/4"	4'-7 3/8"	42'-8 5/8"	4'-7 3/8"	45'-0 1/4"
8	49'-7 3/4"	---	47'-4"	---	45'-0 1/4"

* MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L" (FEET)	DEAD LOAD DEFL. (IN.) 1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	CONC. STRGTH. f'c (p.s.i.)	"P" (IN.) IST 1/3 OF GIRDER	MID 1/3 OF GIRDER	END 1/3 OF GIRDER	DIA. OF STRAND (IN.)	DRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) *	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	UNDRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) *
1	1-8	142.00	0.7	1.4	1.9	2.2	2.3	2.2	1.9	1.4	0.7	8,000	8	7	8	0.6	46	6,800	67	20.5	23.5	5		

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STATE OF WISCONSIN
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STRUCTURES DESIGN SECTION

STRUCTURE B-55-251

DRAWN BY JPH | PLANS CK'D. MJK

72W" PRESTRESSED GIRDER DETAILS 1

SHEET 8

324

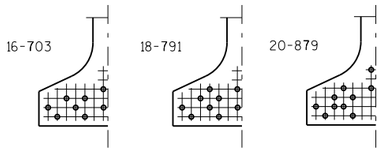
SCALE = 1.00

8

8

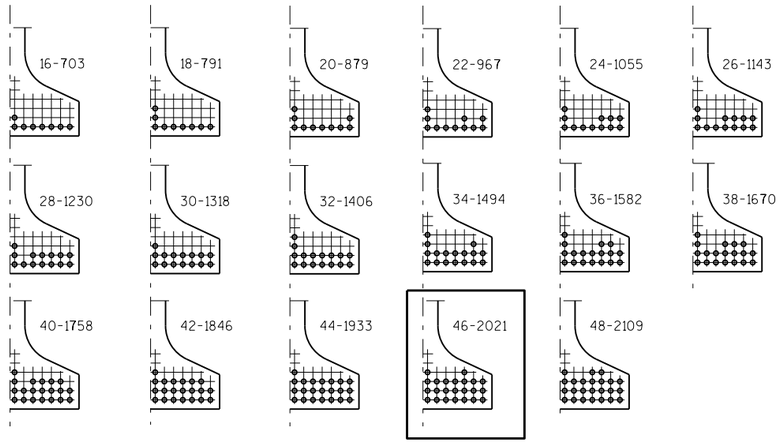
STATE PROJECT NUMBER

1020-07-80



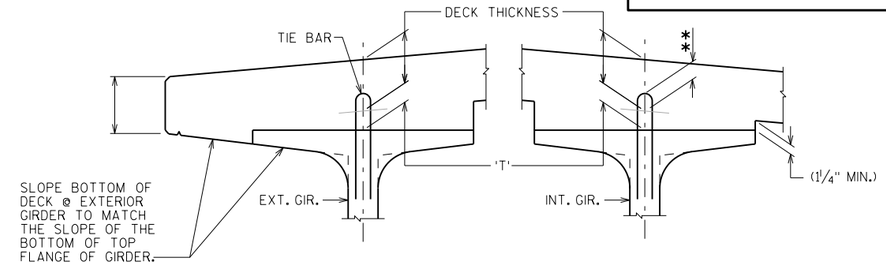
STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPING OF STRANDS

0.6" DIA. STRANDS



ARRANGEMENT AT ℄ SPAN - FOR GIRDERS WITH DRAPED STRANDS

0.6" DIA. STRANDS



DECK HAUNCH DETAIL

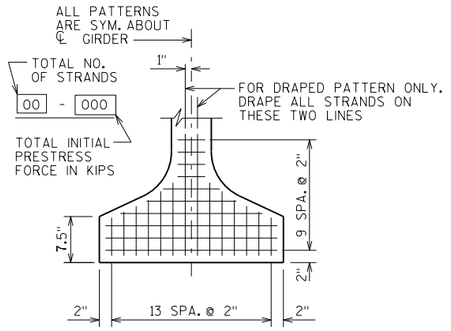
IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR, THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

** IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

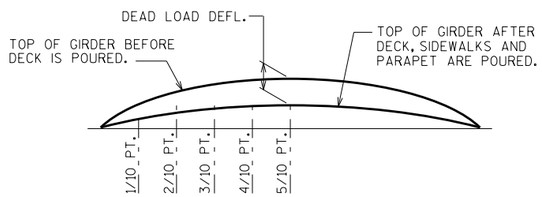
TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
- TOP OF GIRDER ELEVATION
+ DEAD LOAD DEFLECTION
- DECK THICKNESS
= HAUNCH HEIGHT 'T'

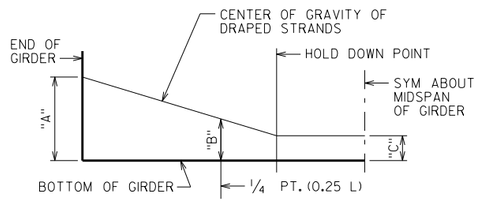
NOTE:
AN AVERAGE HAUNCH ('T') OF 3.8" WAS USED FOR COMPUTING THE SUPERSTRUCTURE QUANTITY "CONCRETE MASONRY BRIDGES".



TYP. STRAND PATTERN



DEAD LOAD DEFLECTION DIAGRAM



DRAPED STRAND PROFILE

*THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

SPAN	CAMBER (IN.) *
1	4.494

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-251

DRAWN BY JPH | PLANS CK'D. MJK

72W" PRESTRESSED GIRDER DETAILS 2

SHEET 9

325

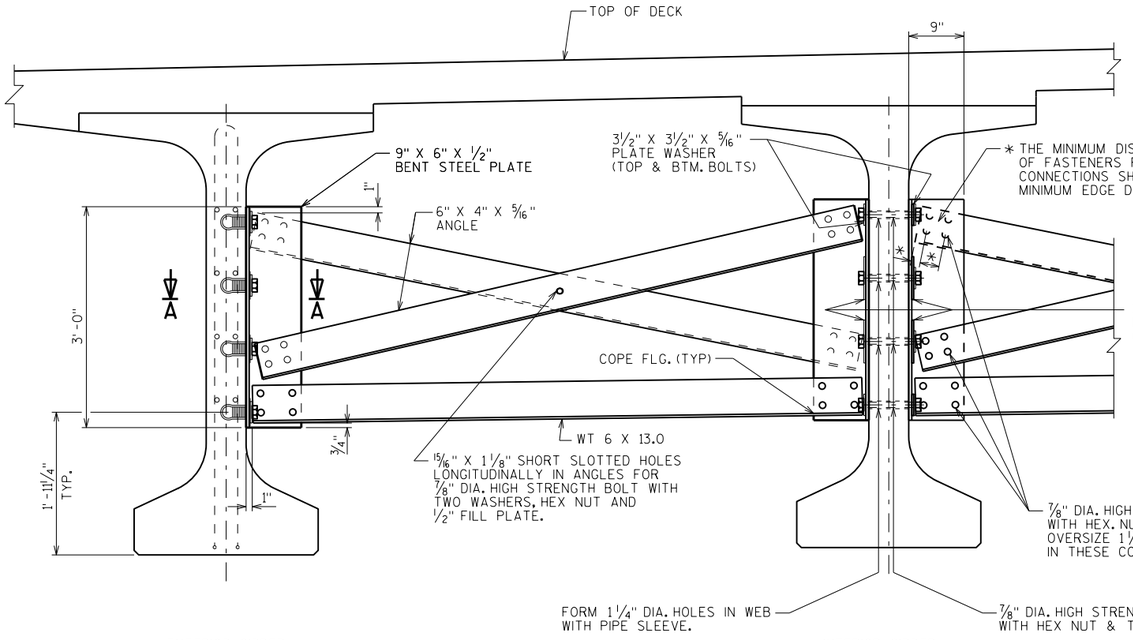
SCALE = 1.00

8

8

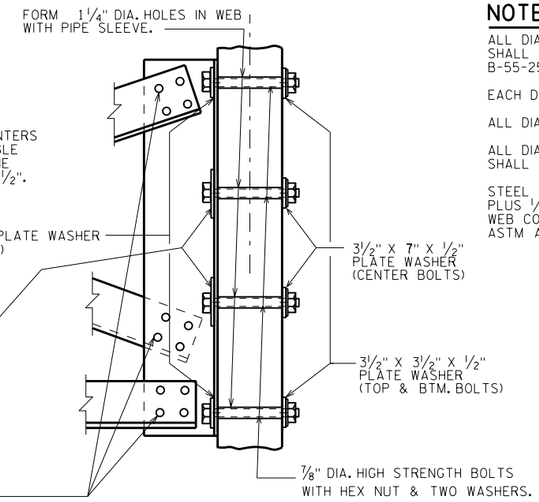
STATE PROJECT NUMBER

1020-07-80



PART TRANSVERSE SECTION AT DIAPHRAGM

(72W" PRESTRESSED GIRDER)



SECTION AT INTERIOR GIRDERS (FOR STAGGERED DIAPHRAGMS)

NOTES

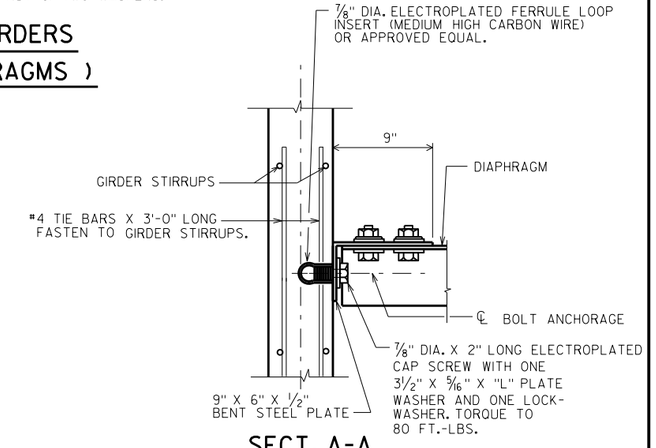
ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-55-251", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

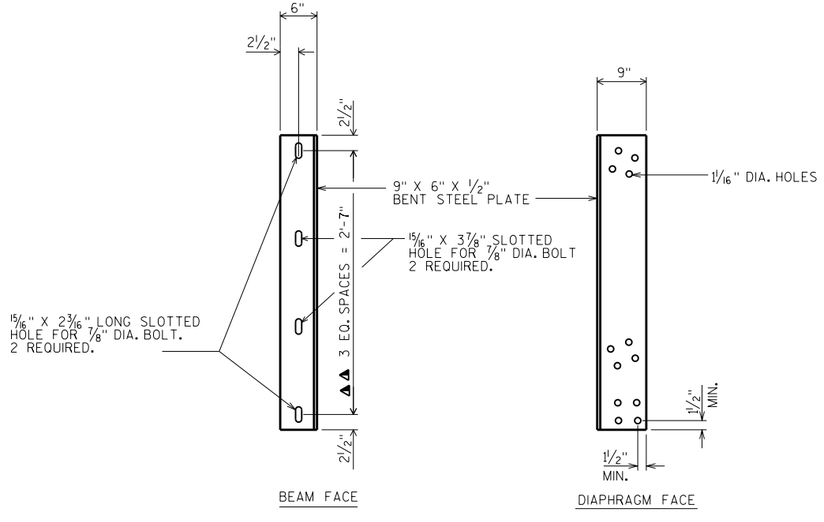
STEEL DIAPHRAGM TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS 1/4 TURN, UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.



SECT. A-A

(FOR EXTERIOR ATTACHMENT)

"L" = 3 1/2"; TOP AND BOTTOM BOLTS
"L" = 7"; CENTER BOLTS



DIAPHRAGM SUPPORT

▲▲ BOLT HOLES SHALL BE SPACED SO AS TO MISS PRESTRESSED STRANDS IN CONCRETE BEAMS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-251

DRAWN BY JPH | PLANS CK'D. MJK

STEEL DIAPHRAGM

SHEET 10

326

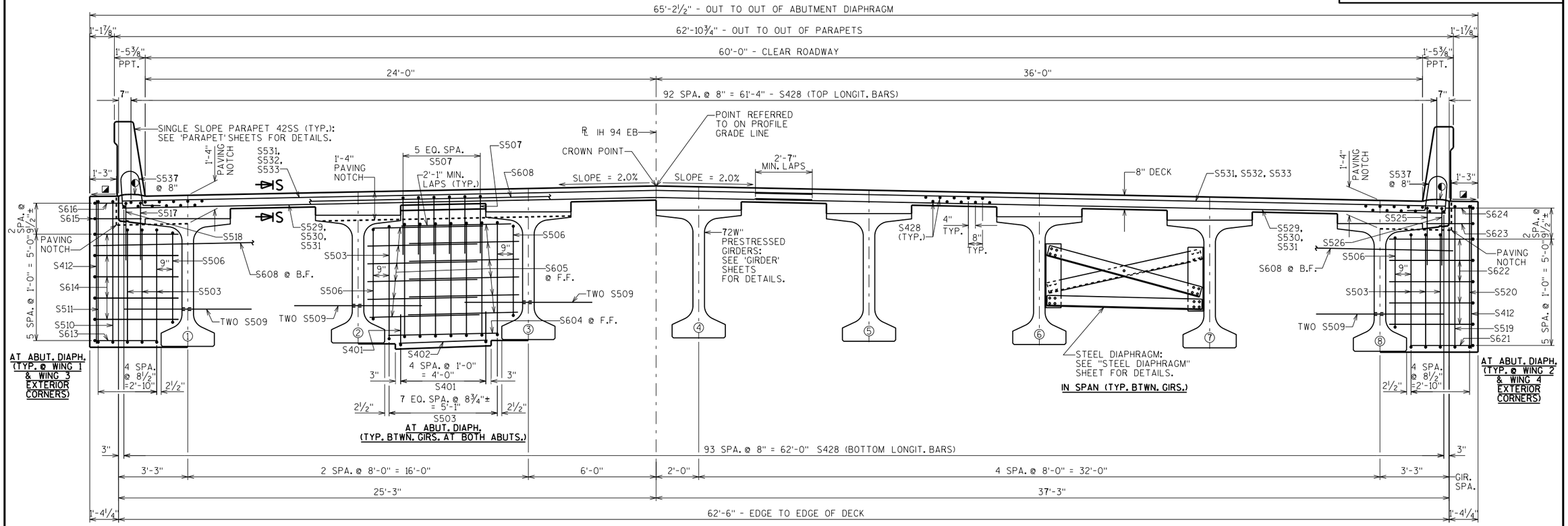
SCALE = 1.00

8

8

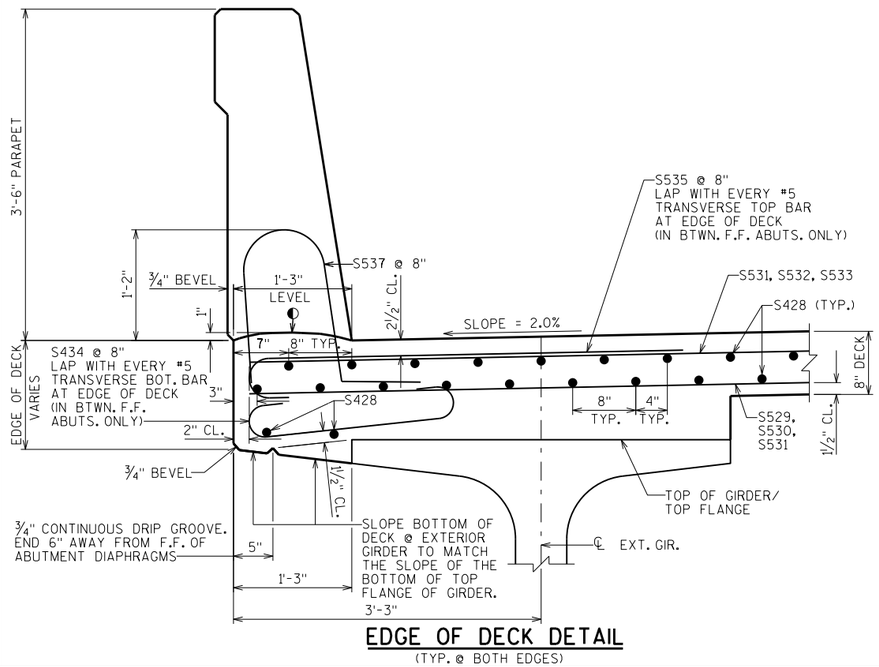
STATE PROJECT NUMBER

1020-07-80



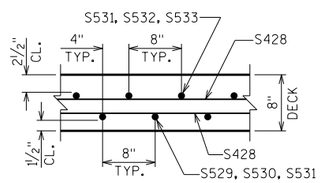
CROSS SECTION THRU BRIDGE LOOKING EAST

(EAST ABUTMENT DIAPHRAGM SHOWN, WEST ABUTMENT DIAPHRAGM SIMILAR)



EDGE OF DECK DETAIL

(TYP. @ BOTH EDGES)



SECTION S-S

NOTES:

FOR THE SECTIONS THRU THE ABUTMENT DIAPHRAGMS SEE "ABUTMENT DIAPHRAGMS" SHEET.

SEE "ABUTMENT DIAPHRAGMS" SHEET FOR ABUTMENT DIAPHRAGM CORNER DETAILS.

◐ HORIZ. CONST. JOINT: STRIKE OFF AND LEAVE ROUGH AS SHOWN

◪ FINISH SMOOTH - SLOPE TO DRAIN

◯ INDICATES GIRDER NUMBER

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-251

DRAWN BY JPH | PLANS CK'D. MJK

SUPERSTRUCTURE CROSS SECTIONS

SHEET 11

327

SCALE = 2.33

8

8

STATE PROJECT NUMBER
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*DIMENSION IS TAKEN PERPENDICULAR TO ℄ BRG ABUTMENTS.

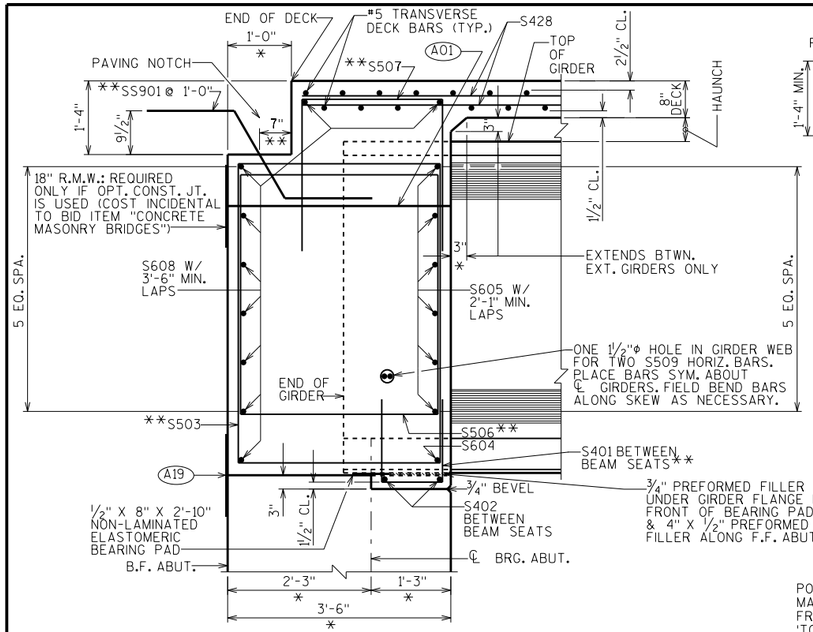
**DIMENSION IS TAKEN PARALLEL TO ℄ GIRDERS. BARS PLACED PARALLEL TO ℄ GIRDERS AND SPACED PERPENDICULAR TO ℄ GIRDERS

(A01) OPTIONAL CONSTRUCTION JOINT 1'-2" BELOW TOP OF GIRDER. IF USED, DECK POUR MUST BE WITHIN 2 WEEKS FROM THE TIME OF THE DIAPHRAGM POUR.

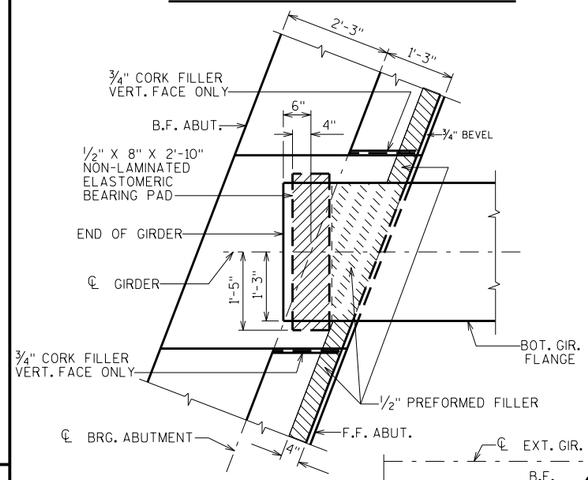
(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

NOTE:
SEE "SUPERSTRUCTURE BAR DETAILS" SHEET FOR THE 'BILL OF BARS' AND BAR DETAILS.

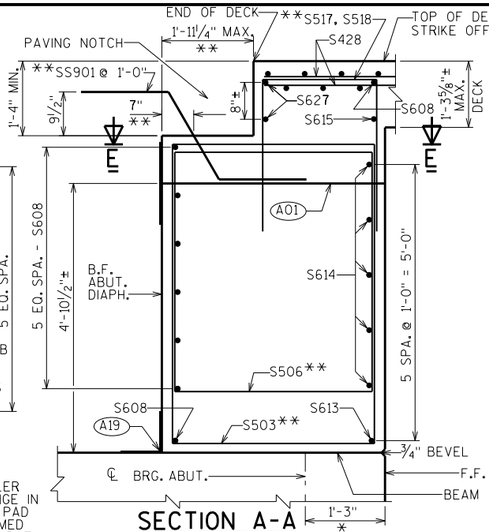
▲ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING, GRAY AND NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).



CROSS SECTION THRU ABUTMENT DIAPHRAGMS BETWEEN EXTERIOR GIRDERS

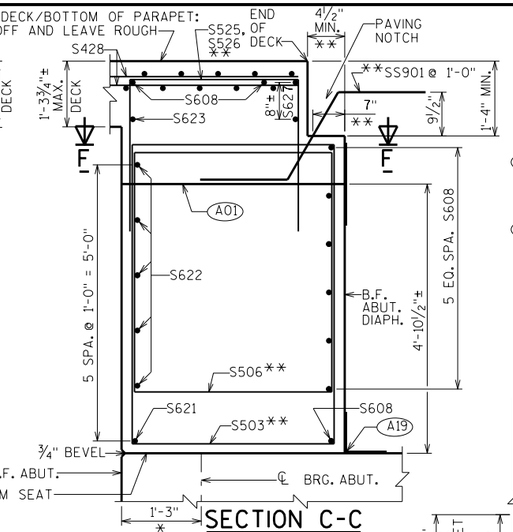


PLAN VIEW AT ABUTMENTS



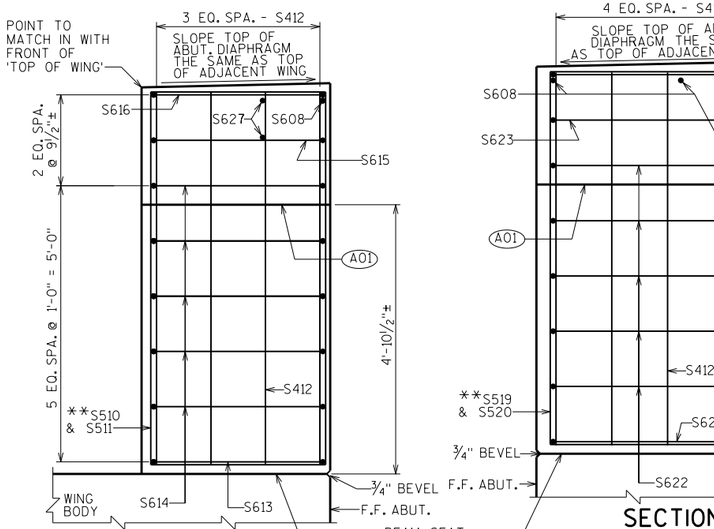
SECTION A-A

SECTION THRU ABUTMENT DIAPHRAGMS AT WINGS 1&3, AT GIRDER EXTERIORS (UNDER DECK)



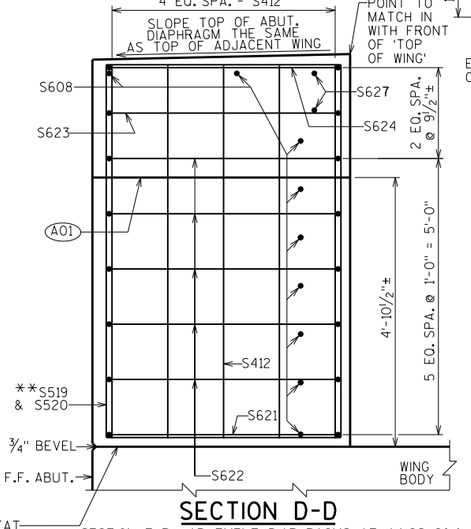
SECTION C-C

SECTION THRU ABUTMENT DIAPHRAGMS AT WINGS 2&4, AT GIRDER EXTERIORS (UNDER DECK)



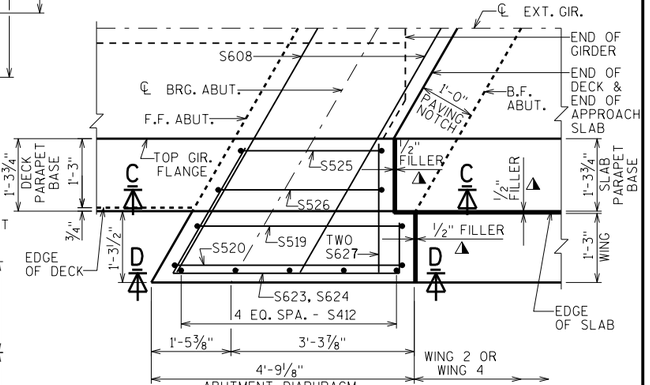
SECTION B-B

SECTION THRU ABUTMENT DIAPHRAGMS AT WINGS 1&3, AT GIRDER EXTERIORS (OUTSIDE 'EDGE OF DECK')

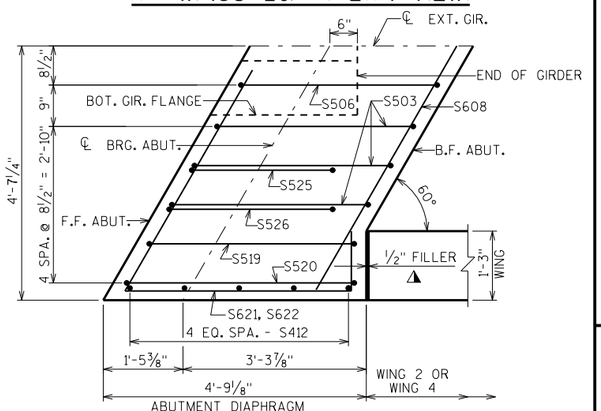


SECTION D-D

SECTION THRU ABUTMENT DIAPHRAGMS AT WINGS 2&4, AT GIRDER EXTERIORS (OUTSIDE 'EDGE OF DECK')

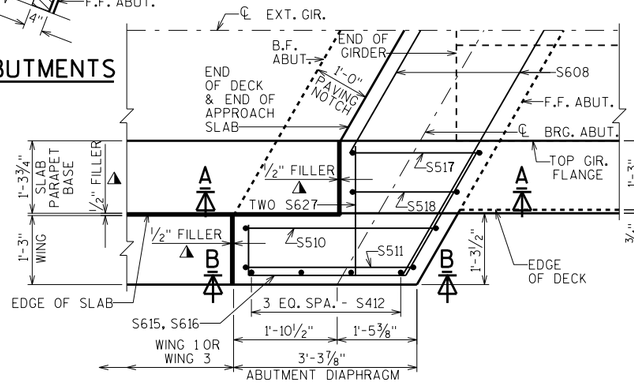


TYPICAL DIAPHRAGM CORNER DETAIL AT WINGS 2&4 (PLAN VIEW)

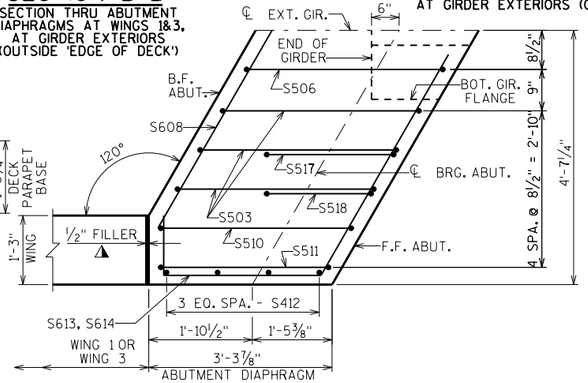


SECTION F-F

TYPICAL DIAPHRAGM CORNER DETAIL AT WINGS 2&4 (SECTION BELOW PAVING NOTCH)



TYPICAL DIAPHRAGM CORNER DETAIL AT WINGS 1&3 (PLAN VIEW)



SECTION E-E

TYPICAL DIAPHRAGM CORNER DETAIL AT WINGS 1&3 (SECTION BELOW PAVING NOTCH)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-251

DRAWN BY JPH | PLANS CK'D. MJK

ABUTMENT DIAPHRAGMS

SHEET 12

328

SCALE = 1.33

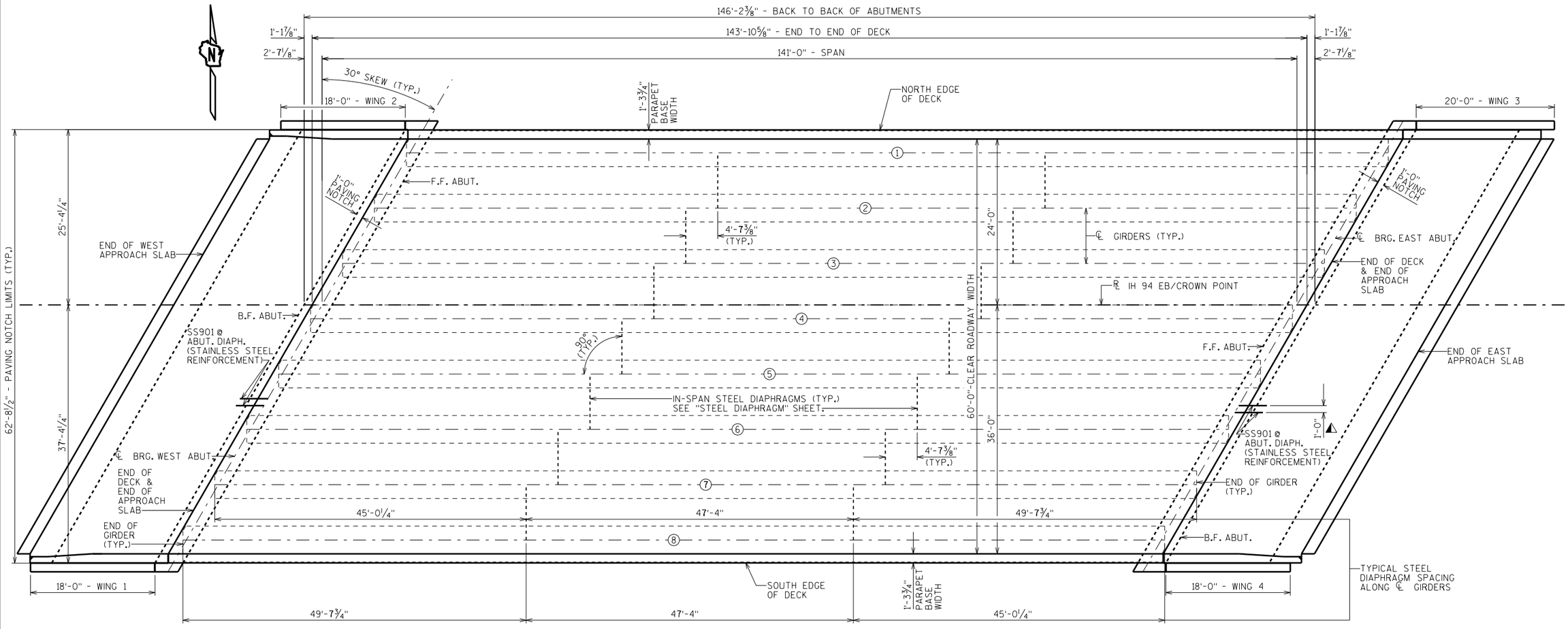
8

8

STATE PROJECT NUMBER

1020-07-80

◯ INDICATES GIRDER NUMBER



PLAN

TOP OF DECK ELEVATIONS

EOD = EDGE OF DECK

LOCATION	℄ BRG. W. ABUT.	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	℄ BRG. E. ABUT.	LOCATION
NORTH EOD	1009.52	1009.82	1010.13	1010.44	1010.75	1011.06	1011.37	1011.67	1011.98	1012.29	1012.60	NORTH EOD
℄ GIRDER 1	1009.51	1009.82	1010.13	1010.44	1010.75	1011.06	1011.36	1011.67	1011.98	1012.29	1012.60	℄ GIRDER 1
℄ GIRDER 2	1009.57	1009.88	1010.19	1010.50	1010.81	1011.11	1011.42	1011.73	1012.04	1012.35	1012.66	℄ GIRDER 2
℄ GIRDER 3	1009.63	1009.94	1010.25	1010.56	1010.87	1011.17	1011.48	1011.79	1012.10	1012.41	1012.72	℄ GIRDER 3
℞ IH 94 EB/CROWN PT.	1009.68	1009.98	1010.29	1010.60	1010.91	1011.22	1011.53	1011.83	1012.14	1012.45	1012.76	℞ IH 94 EB/CROWN PT.
℄ GIRDER 4	1009.61	1009.92	1010.23	1010.54	1010.84	1011.15	1011.46	1011.77	1012.08	1012.39	1012.69	℄ GIRDER 4
℄ GIRDER 5	1009.35	1009.66	1009.97	1010.28	1010.58	1010.89	1011.20	1011.51	1011.82	1012.13	1012.43	℄ GIRDER 5
℄ GIRDER 6	1009.09	1009.40	1009.71	1010.01	1010.32	1010.63	1010.94	1011.25	1011.56	1011.86	1012.17	℄ GIRDER 6
℄ GIRDER 7	1008.83	1009.14	1009.44	1009.75	1010.06	1010.37	1010.68	1010.99	1011.29	1011.60	1011.91	℄ GIRDER 7
℄ GIRDER 8	1008.57	1008.88	1009.18	1009.49	1009.80	1010.11	1010.42	1010.73	1011.03	1011.34	1011.65	℄ GIRDER 8
SOUTH EOD	1008.49	1008.79	1009.10	1009.41	1009.72	1010.03	1010.34	1010.64	1010.95	1011.26	1011.57	SOUTH EOD

⚠ SEE "STRUCTURAL APPROACH SLABS" SHEET FOR SS901 BAR SPACING

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-251

DRAWN BY JPH | PLANS CK'D. MJK

SUPERSTRUCTURE PLAN

SHEET 13

329

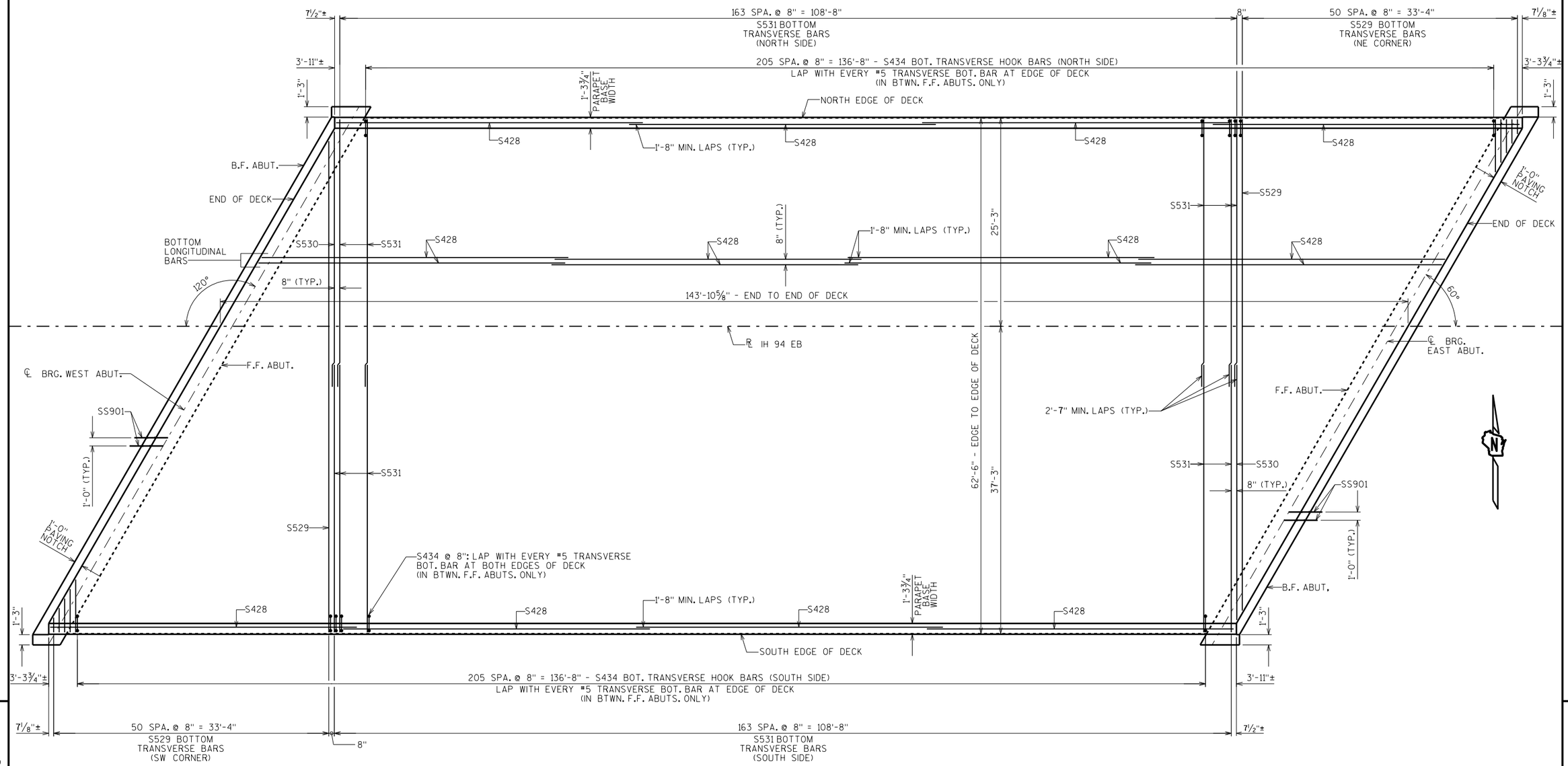
SCALE = 7.25

8

8

STATE PROJECT NUMBER

1020-07-80



PLAN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-251

DRAWN BY JPH | PLANS CK'D. MJK

DECK (BOTTOM STEEL)

SHEET 14

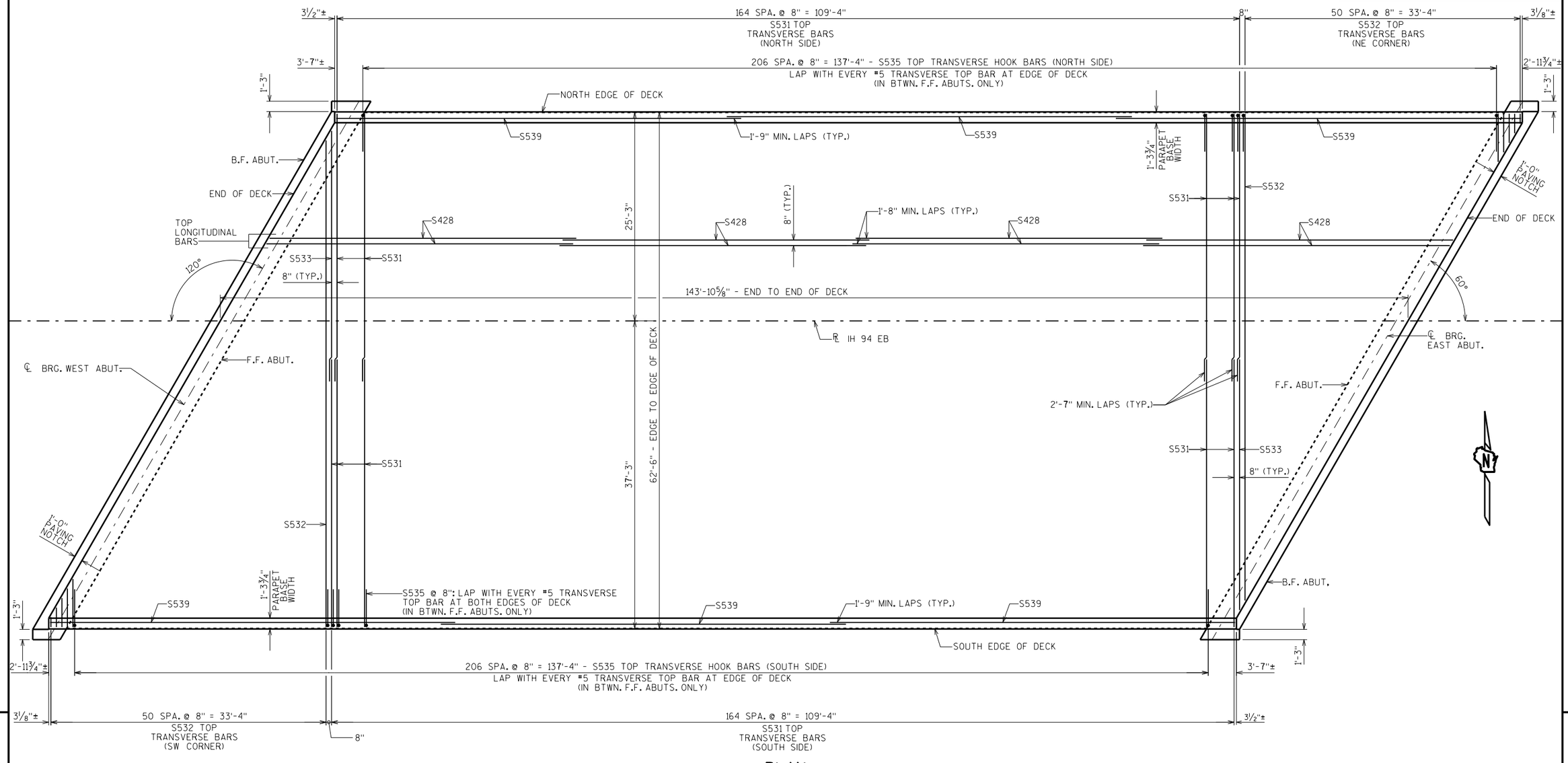
330

SCALE = 6.00

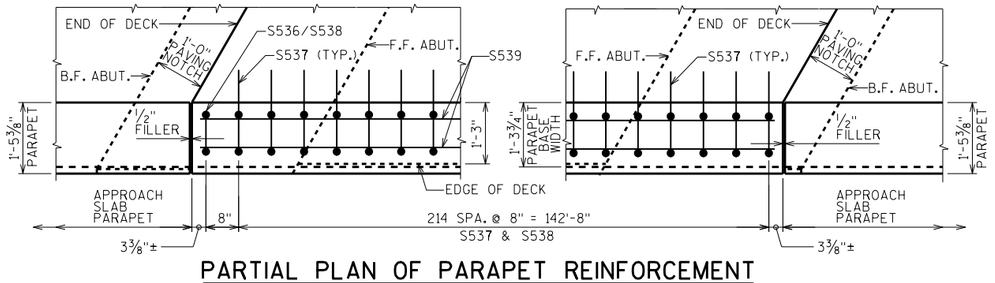
8

8

STATE PROJECT NUMBER
1020-07-80



PLAN



PARTIAL PLAN OF PARAPET REINFORCEMENT
(TYP. @ BOTH SIDES)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-251

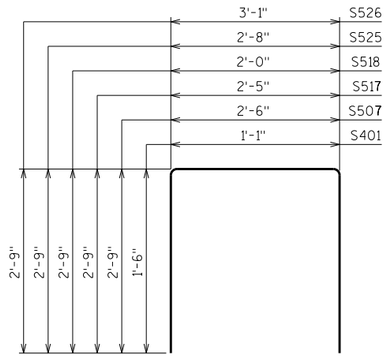
DRAWN BY JPH | PLANS CK'D. MJK

DECK (TOP STEEL)

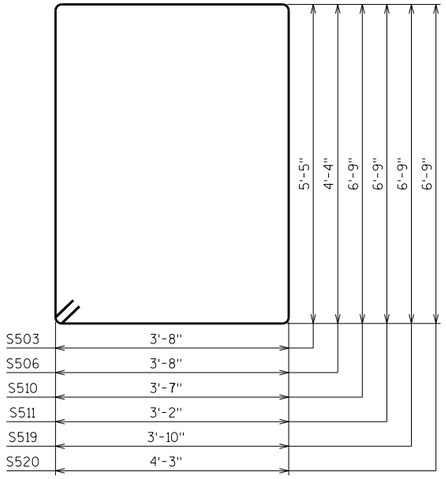
SHEET 15

331

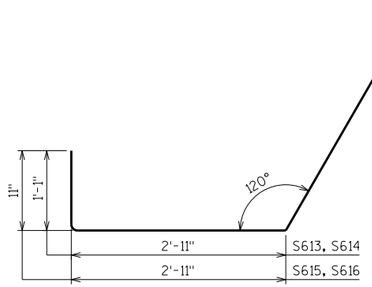
SCALE = 6.00



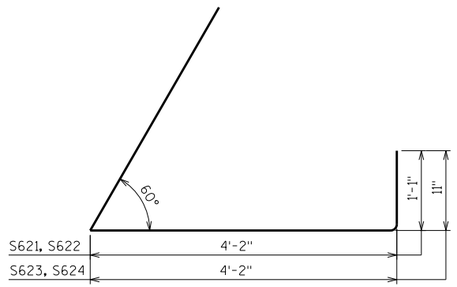
S401 S507 S517
S518 S525 S526



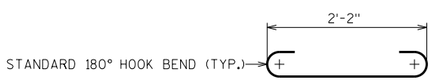
S503 S506 S510 S511 S519 S520
(STIRRUP BARS)



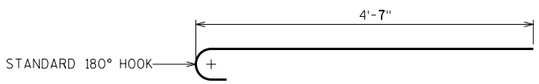
S613 S614 S615 S616



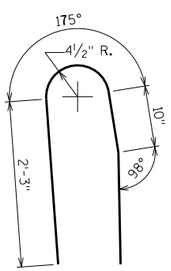
S621 S622 S623 S624



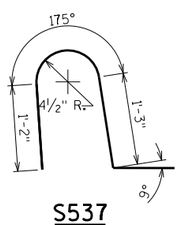
S434



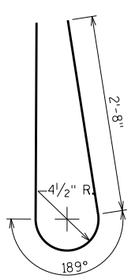
S535



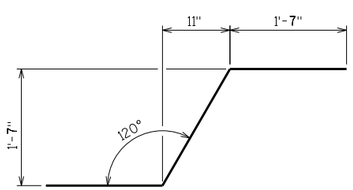
S536



S537



S538



SS901

BILL OF BARS

NOTE:
THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
S401	X	70	3'-11"	X		ABUT. DIAPHS.-F.F.-BOT.-VERT.-BTWN. BEAM SEATS
S402	X	28	4'-10"			ABUT. DIAPHS.-F.F.-BOT.-HORIZ.-BTWN. BEAM SEATS
S503	X	124	18'-10"	X		ABUT. DIAPHS.-VERTICAL-UNDER PAVING NOTCHES
S604	X	14	6'-0"			ABUT. DIAPHS.-F.F.-BOT.-HORIZ.-BTWN. GIRS ONLY
S605	X	168	5'-2"			ABUT. DIAPHS.-F.F.-HORIZ.-BTWN. GIRS ONLY
S506	X	32	16'-8"	X		ABUT. DIAPHS.-VERT.-UNDER GIR. TOP FLANGES
S507	X	84	7'-9"	X		ABUT. DIAPHS./DECK-VERT.-BETWEEN EXT. GIRDERS ONLY
S608	X	36	39'-3"			ABUT. DIAPHS. B.F. & DECK-HORIZ.
S509	X	32	6'-0"			ABUT. DIAPHS.-HORIZ.-THRU GIRDERS
S510	X	2	21'-4"	X		ABUT. DIAPHS.-VERTICAL-AT WINGS 1&3 GIR. EXTERIOR CORNERS ONLY
S511	X	2	20'-6"	X		ABUT. DIAPHS.-VERTICAL-AT WINGS 1&3 GIR. EXTERIOR CORNERS ONLY
S412	X	18	6'-9"			ABUT. DIAPH.-VERT.-AT ALL FOUR GIR. EXTERIOR CORNERS
S613	X	2	7'-2"	X		ABUT. DIAPHS.-BOT.-HORIZ.-AT WINGS 1&3 GIR. EXTERIOR CORNERS ONLY
S614	X	10	8'-3"	X		ABUT. DIAPHS.-HORIZ.-AT WINGS 1&3 GIR. EXTERIOR CORNERS ONLY
S615	X	2	6'-2"	X		ABUT. DIAPHS.-HORIZ.-AT WINGS 1&3 GIR. EXTERIOR CORNERS ONLY
S616	X	2	5'-1"	X		ABUT. DIAPHS.-TOP-HORIZ.-AT WINGS 1&3 GIR. EXTERIOR CORNERS ONLY
S517	X	2	7'-8"	X		ABUT. DIAPHS./DECK-VERT.-AT WINGS 1&3 GIR. EXTERIOR CORNERS ONLY
S518	X	2	7'-3"	X		ABUT. DIAPHS./DECK-VERT.-AT WINGS 1&3 GIR. EXTERIOR CORNERS ONLY
S519	X	2	21'-10"	X		ABUT. DIAPHS.-VERTICAL-AT WINGS 2&4 GIR. EXTERIOR CORNERS ONLY
S520	X	2	22'-8"	X		ABUT. DIAPHS.-VERTICAL-AT WINGS 2&4 GIR. EXTERIOR CORNERS ONLY
S621	X	2	8'-5"	X		ABUT. DIAPHS.-BOT.-HORIZ.-AT WINGS 2&4 GIR. EXTERIOR CORNERS ONLY
S622	X	10	9'-6"	X		ABUT. DIAPHS.-HORIZ.-AT WINGS 2&4 GIR. EXTERIOR CORNERS ONLY
S623	X	2	7'-4"	X		ABUT. DIAPHS.-HORIZ.-AT WINGS 2&4 GIR. EXTERIOR CORNERS ONLY
S624	X	2	6'-3"	X		ABUT. DIAPHS.-TOP-HORIZ.-AT WINGS 2&4 GIR. EXTERIOR CORNERS ONLY
S525	X	2	7'-11"	X		ABUT. DIAPHS./DECK-VERT.-AT WINGS 2&4 GIR. EXTERIOR CORNERS ONLY
S526	X	2	8'-4"	X		ABUT. DIAPHS./DECK-VERT.-AT WINGS 2&4 GIR. EXTERIOR CORNERS ONLY
S627	X	8	2'-4"			ABUT. DIAPHS./DECK-TOP-HORIZ.-AT ALL FOUR GIR. EXTERIOR CORNERS
S428	X	764	37'-2"			DECK-TOP & BOTTOM-HORIZONTAL-LONGITUDINAL
S529	X	102	30'-8"		◭	DECK-BOTTOM-HORIZONTAL-TRANSVERSE-AT SW & NE CORNERS ONLY
S530	X	2	30'-11"			DECK-BOTTOM-HORIZONTAL-TRANSVERSE-AT NW & SE CORNERS ONLY
S531	X	658	32'-5"			DECK-TOP & BOTTOM-HORIZONTAL-TRANSVERSE
S532	X	102	30'-0"		◭	DECK-TOP-HORIZONTAL-TRANSVERSE-AT SW & NE CORNERS ONLY
S533	X	2	30'-4"			DECK-TOP-HORIZONTAL-TRANSVERSE-AT NW & SE CORNERS ONLY
S434	X	412	3'-2"	X		DECK-BOT.-TRANSVERSE-BOTH EDGES-BTWN. F.F. ABUTS.
S535	X	414	5'-2"	X		DECK-TOP-TRANSVERSE-AT BOTH EDGES OF DECK
S536	X	2	5'-10"	X		PARAPETS/DECK/ABUT. DIAPH.-VERTICAL-TRANSVERSE-AT SW & NE CORNERS ONLY
S537	X	430	4'-5"	X		PARAPETS/DECK-VERTICAL-TRANSVERSE-AT BOTH SIDES
S538	X	432	6'-8"	X		PARAPETS-VERTICAL-TRANSVERSE-AT BOTH SIDES
S539	X	48	49'-1"			PARAPETS-BOTH FACES-HORIZ.-LONGIT.-AT BOTH SIDES
SS901		124	5'-0"	X		APPROACH SLAB/ABUT. DIAPH.-VERT.-AT PAVING NOTCHES

STAINLESS STEEL REINFORCEMENT

◭ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE

BAR MARK	NUMBER REQUIRED	LENGTH
S529	2 SERIES OF 51 BARS	1'-9" TO 59'-6"
S532	2 SERIES OF 51 BARS	1'-2" TO 58'-11"

BUNDLE AND TAG EACH SERIES SEPARATELY.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-251

DRAWN BY JPH | PLANS CK'D. MJK

SUPERSTRUCTURE BAR DETAILS

SHEET 16

332

STATE PROJECT NUMBER
1020-07-80

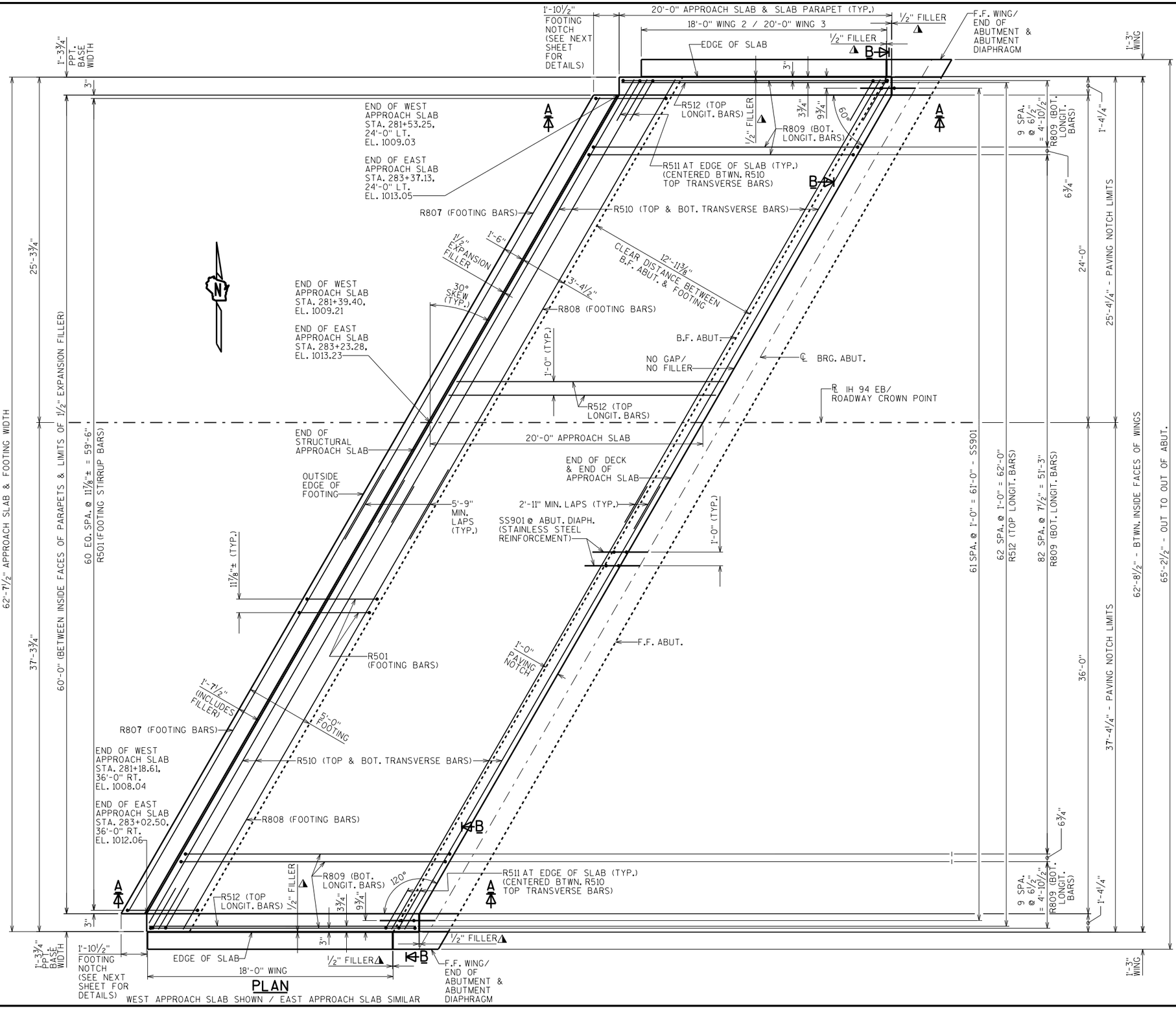
8

8

SCALE = 1.00

STATE PROJECT NUMBER

1020-07-80



NOTE:
SEE NEXT SHEET FOR SECTION A-A AND SECTION B-B CROSS SECTION DETAILS AT STRUCTURAL APPROACH SLAB

⚠SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-251

DRAWN BY JPH | PLANS CK'D. MJK

STRUCTURAL APPROACH SLABS

SHEET 17

333

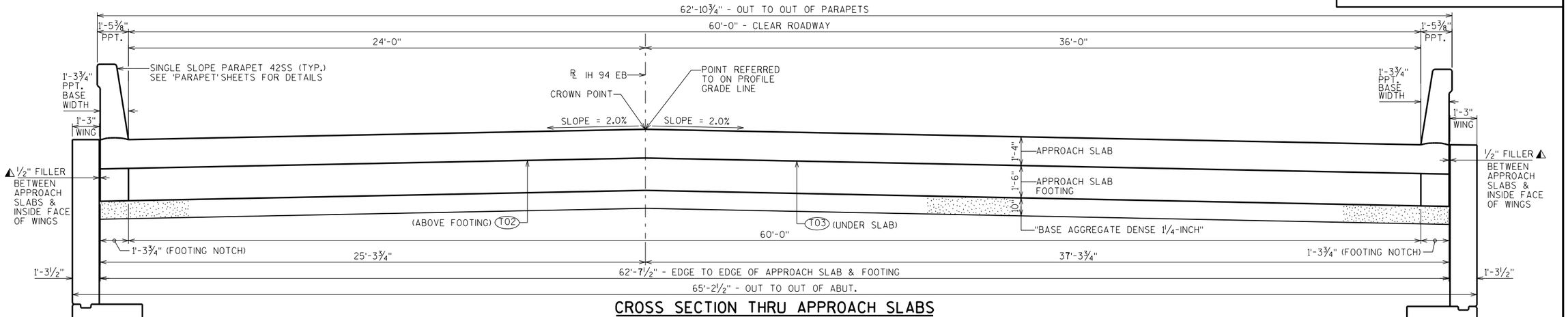
SCALE = 3.50

8

8

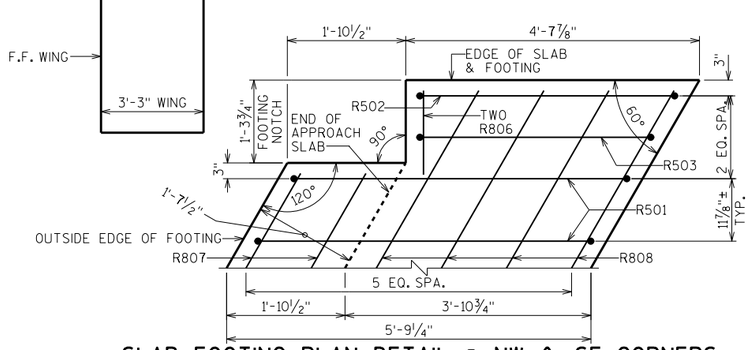
STATE PROJECT NUMBER

1020-07-80

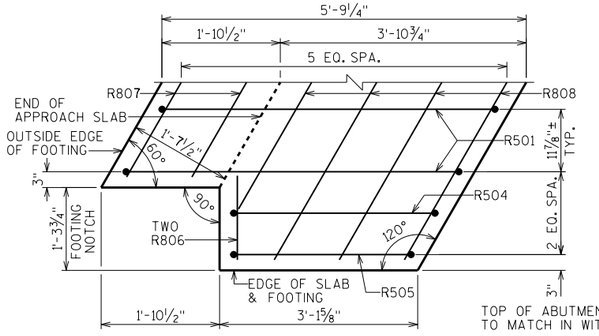


CROSS SECTION THRU APPROACH SLABS

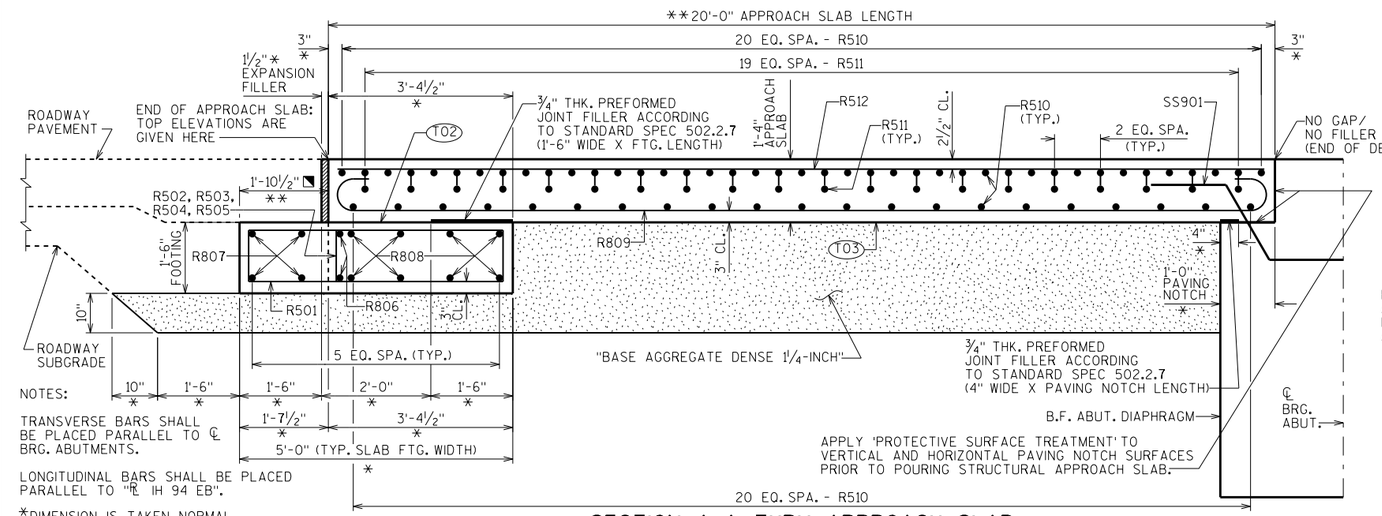
(LOOKING EAST)



SLAB FOOTING PLAN DETAIL @ NW & SE CORNERS



SLAB FOOTING PLAN DETAIL @ SW & NE CORNERS



SECTION A-A THRU APPROACH SLAB

WEST APPROACH SLAB SHOWN/
EAST APPROACH SLAB SIMILAR

NOTES:

TRANSVERSE BARS SHALL BE PLACED PARALLEL TO ℄ BRG. ABUTMENTS.

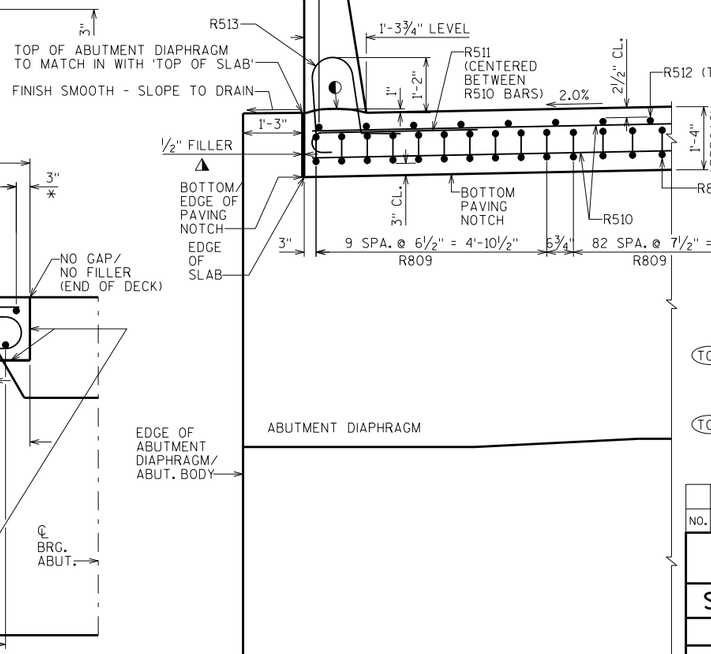
LONGITUDINAL BARS SHALL BE PLACED PARALLEL TO "℄ IH 94 EB".

*DIMENSION IS TAKEN NORMAL TO ℄ BRG. ABUTMENTS.

**DIMENSION IS TAKEN PARALLEL TO ℄ IH 94 EB.

◥ INCLUDES 1½" EXPANSION FILLER

⚠SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.



SECTION B-B (EDGE OF SLAB DETAIL)

NOTE:
SEE "STRUCTURAL APPROACH SLAB BAR DETAILS" SHEET FOR THE 'BILL OF BARS' AND BAR DETAILS.

◐ HORIZ. CONST. JOINT: STRIKE OFF AND LEAVE ROUGH AS SHOWN

T02 STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE FOOTING.

T03 PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF SUBGRADE BENEATH SLAB.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-251

DRAWN BY JPH | PLANS CK'D. MJK

STRUCTURAL APPROACH SLAB DETAILS

SHEET 18

334

SCALE = 2.33

8

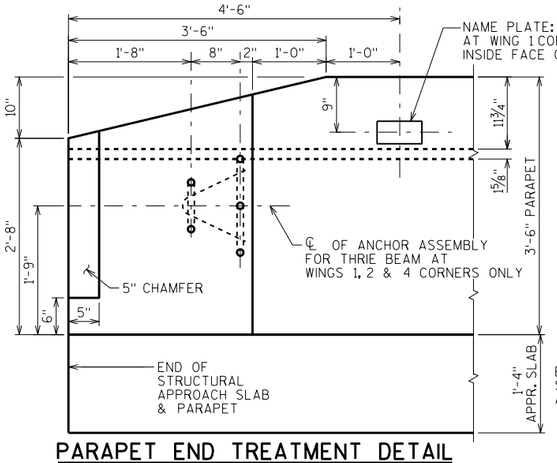
8

NOTES:

SEE THE "STRUCTURAL APPROACH SLAB BAR DETAILS" SHEET FOR THE BILL OF BARS AND BAR DETAILS FOR THE SLAB PARAPET R-BARS.

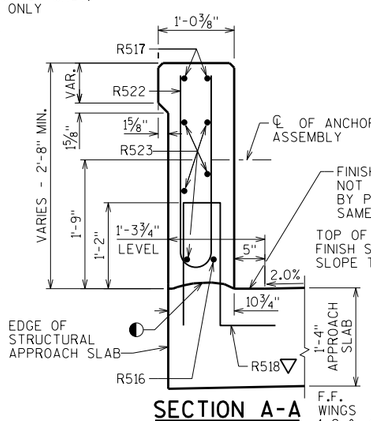
SEE THE "SUPERSTRUCTURE BAR DETAILS" SHEET FOR THE BILL OF BARS AND BAR DETAILS FOR THE DECK PARAPET S-BARS.

STATE PROJECT NUMBER
1020-07-80

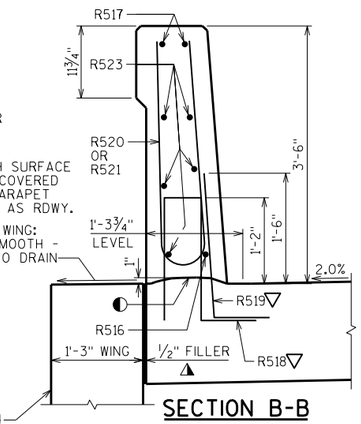


PARAPET END TREATMENT DETAIL

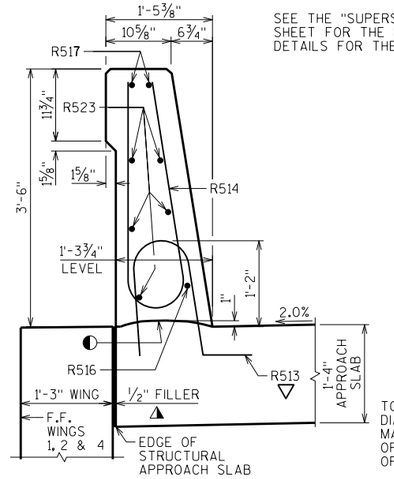
LOOKING AT INSIDE FACE OF BOTH PARAPETS
WINGS 2&4 CORNERS SHOWN, WING 1 CORNER SIMILAR



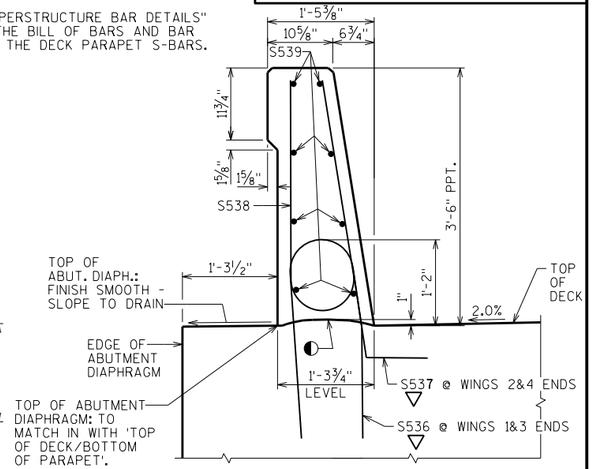
SECTION A-A



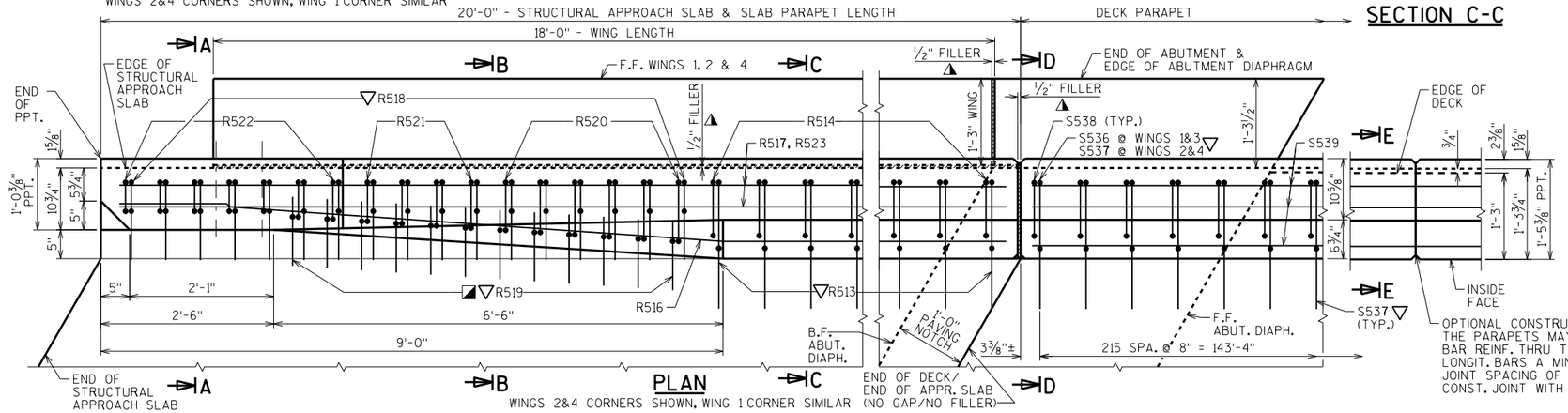
SECTION B-B



SECTION C-C

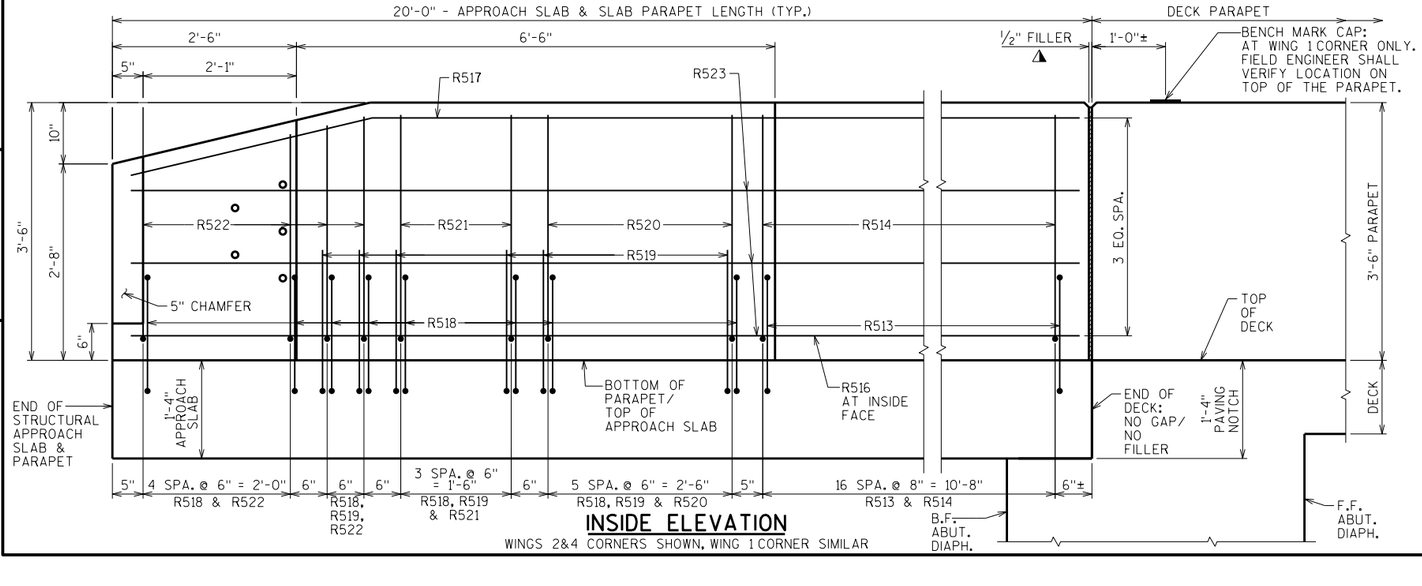


SECTION D-D (OVER ABUT. DIAPH.)



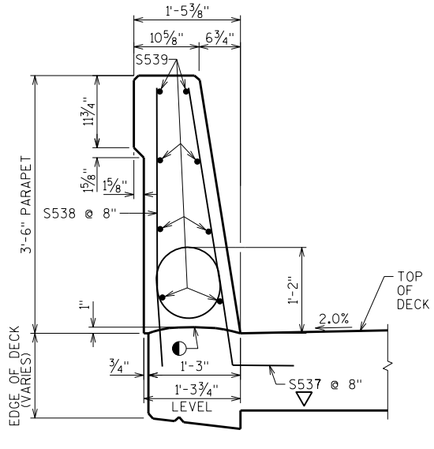
PLAN

WINGS 2&4 CORNERS SHOWN, WING 1 CORNER SIMILAR

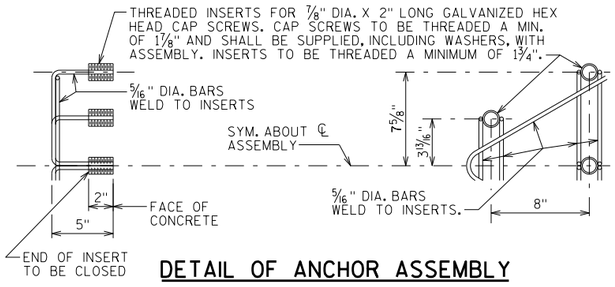


INSIDE ELEVATION

WINGS 2&4 CORNERS SHOWN, WING 1 CORNER SIMILAR



SECTION E-E (ON DECK)



DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.

▲ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

◐ HORIZ. CONST. JOINT - STRIKE OFF AS SHOWN AND LEAVE ROUGH.

◪ USE CARE TO PLACE R519 BARS CORRECTLY ALONG TRANSITION OF PARAPET.

▽ R513, R518, R519, S536 & S537 PARAPET BARS TO BE TIED TO SLAB OR DECK STEEL BEFORE SLAB OR DECK IS POURED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-251

DRAWN BY JPH | PLANS CK'D. MJK

SINGLE SLOPE PARAPET 42SS AT WINGS 1, 2 & 4

SHEET 19

335

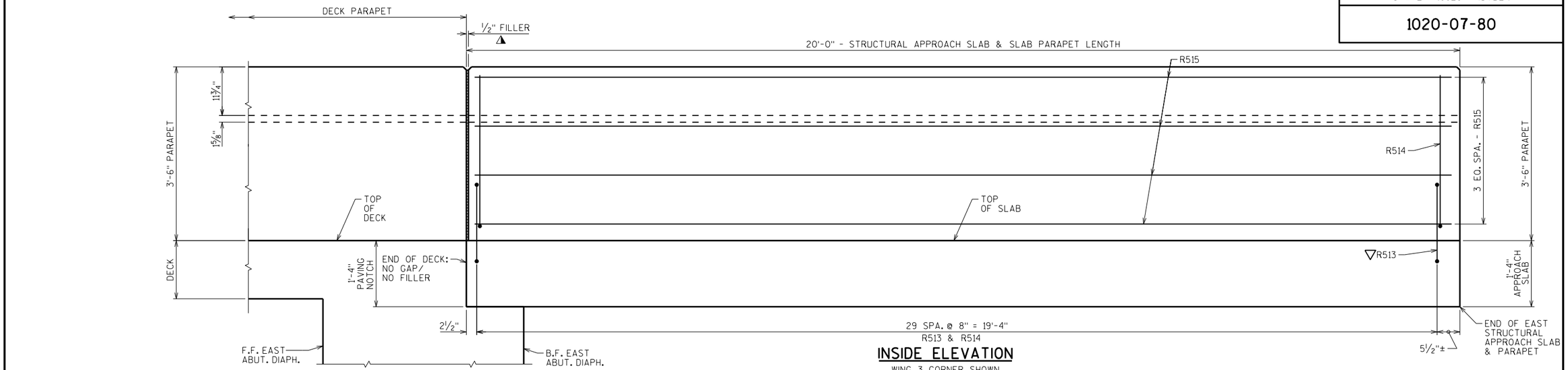
8

8

SCALE = 1.00

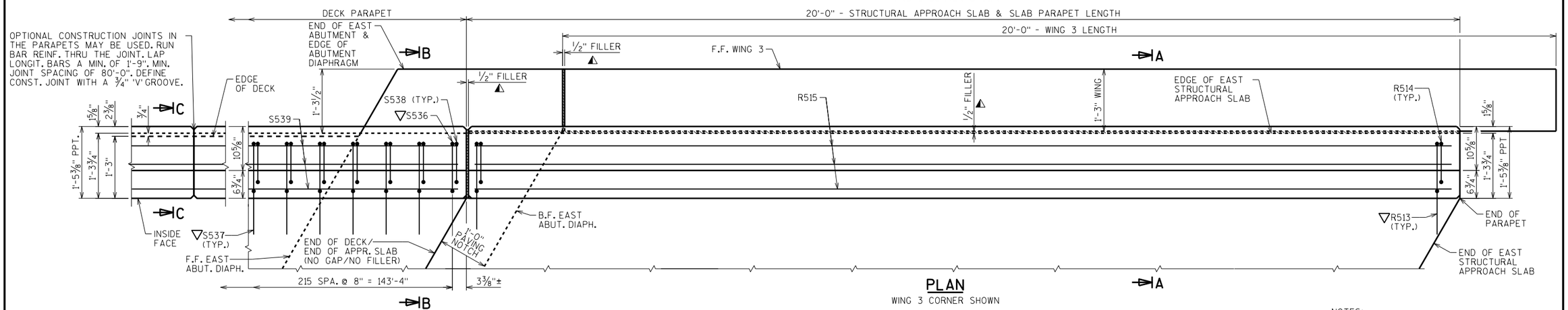
STATE PROJECT NUMBER

1020-07-80



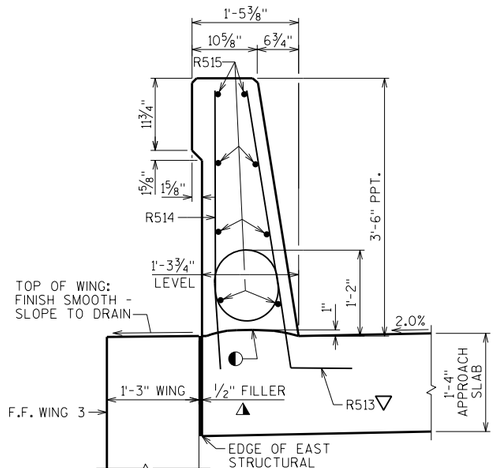
INSIDE ELEVATION

WING 3 CORNER SHOWN

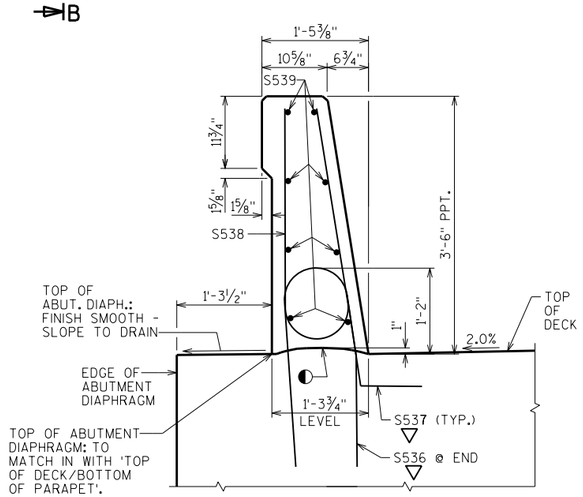


PLAN

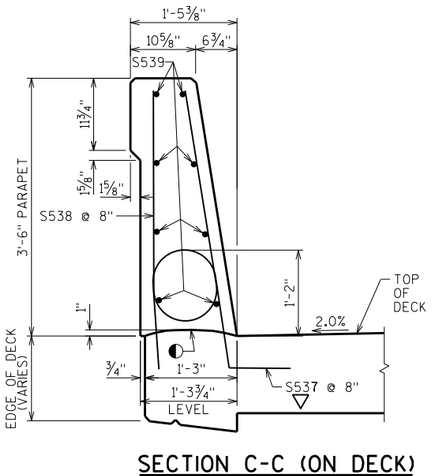
WING 3 CORNER SHOWN



SECTION A-A



SECTION B-B (OVER ABUT. DIAPH.)



SECTION C-C (ON DECK)

NOTES:

SEE THE "STRUCTURAL APPROACH SLAB BAR DETAILS" SHEET FOR THE BILL OF BARS AND BAR DETAILS FOR THE SLAB PARAPET R-BARS.

SEE THE "SUPERSTRUCTURE BAR DETAILS" SHEET FOR THE BILL OF BARS AND BAR DETAILS FOR THE DECK PARAPET S-BARS.

◭ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

◐ HORIZ. CONST. JOINT - STRIKE OFF AS SHOWN AND LEAVE ROUGH.

▽ R513, S536 & S537 PARAPET BARS TO BE TIED TO SLAB OR DECK STEEL BEFORE SLAB OR DECK IS POURED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-251

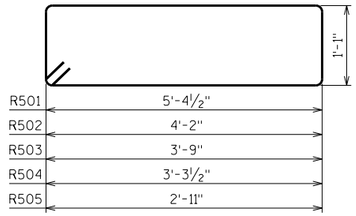
DRAWN BY JPH | PLANS CK'D. MJK

SINGLE SLOPE PARAPET 42SS AT WING 3

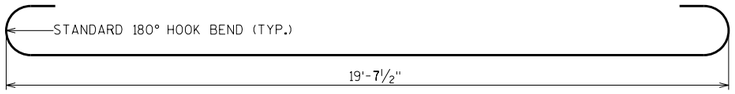
SHEET 20

336

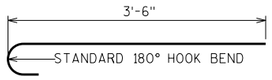
SCALE = 1.00



R501 R502 R503 R504 R505
(STIRRUP BARS)



R809



R511

NOTE:
THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BILL OF BARS

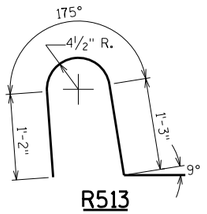
BAR MARK	COAT	NO. REQUIRED. WEST SLAB	NO. REQUIRED. EAST SLAB	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	61	61	13'-7"	X		FOOTING-VERTICAL-STIRRUP BAR-BETWEEN PARAPETS
R502	X	1	1	11'-2"	X		FOOTING-VERTICAL-STIRRUP BAR-AT WING 2&4 ENDS ONLY
R503	X	1	1	10'-4"	X		FOOTING-VERTICAL-STIRRUP BAR-AT WING 2&4 ENDS ONLY
R504	X	1	1	9'-5"	X		FOOTING-VERTICAL-STIRRUP BAR-AT WING 1&3 ENDS ONLY
R505	X	1	1	8'-8"	X		FOOTING-VERTICAL-STIRRUP BAR-AT WING 1&3 ENDS ONLY
R806	X	4	4	1'-4"			FOOTING-TOP & BOTTOM-HORIZONTAL-AT ENDS ONLY
R807	X	8	8	37'-5"			FOOTING-TOP & BOTTOM-HORIZONTAL-AT OUTSIDE FACE
R808	X	16	16	38'-11"			FOOTING-TOP & BOTTOM-HORIZONTAL-AT INSIDE FACE
R809	X	103	103	21'-6"	X		SLAB-BOTTOM-LONGITUDINAL
R510	X	84	84	37'-6"			SLAB-TOP & BOTTOM-TRANSVERSE
R511	X	40	40	4'-1"	X		SLAB-TOP-TRANSVERSE-AT BOTH EDGES
R512	X	63	63	19'-7"			SLAB-TOP-LONGITUDINAL
R513	X	34	47	4'-5"	X		PARAPETS/SLAB-VERTICAL-AT ALL FOUR PPT. ENDS
R514	X	34	47	6'-8"	X		PARAPETS-VERTICAL-AT ALL FOUR PPT. ENDS
R515	X	--	8	19'-8"			PARAPETS-BOTH FACES-HORIZONTAL-AT WING 3 PPT. END ONLY
R516	X	2	1	19'-6"	X		PARAPETS-BOT.-INSIDE FACE-HORIZONTAL-AT WINGS 1, 2 & 4 PPT. ENDS ONLY
R517	X	4	2	19'-6"	X		PARAPETS-TOP-BOTH FACES-VERTICAL-AT WINGS 1, 2 & 4 PPT. ENDS ONLY
R518	X	34	17	4'-4"	X		PARAPETS/SLAB-VERTICAL-AT WINGS 1, 2 & 4 PPT. ENDS ONLY
R519	X	24	12	2'-9"	X		PARAPETS/SLAB-INSIDE FACE-VERTICAL-AT WINGS 1, 2 & 4 PPT. ENDS ONLY
R520	X	12	6	6'-6"	X		PARAPETS-VERTICAL-AT WINGS 1, 2 & 4 PPT. ENDS ONLY
R521	X	8	4	6'-5"	X		PARAPETS-END-VERTICAL-AT WINGS 1, 2 & 4 PPT. ENDS ONLY
R522	X	14	7	5'-8"	X	⚠	PARAPETS-END TAPER-VERTICAL-AT WINGS 1, 2 & 4 PPT. ENDS ONLY
R523	X	10	5	19'-6"			PARAPETS-BOTH FACES-HORIZONTAL-AT WINGS 1, 2 & 4 PPT. ENDS ONLY

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL BAR LENGTHS.

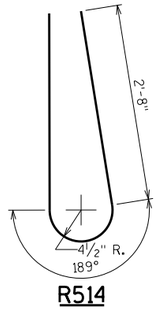
BAR SERIES TABLE

BAR MARK	NUMBER REQUIRED	TOTAL BAR LENGTH
R522	3 SERIES OF 7 BARS	4'-11" TO 6'-4"

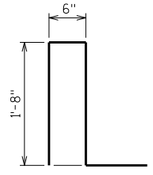
BUNDLE AND TAG EACH SERIES SEPARATELY.



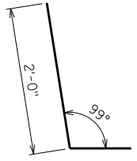
R513



R514



R518



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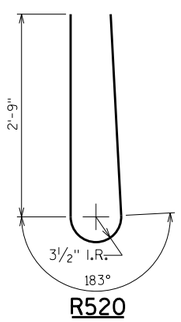

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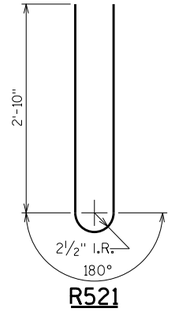

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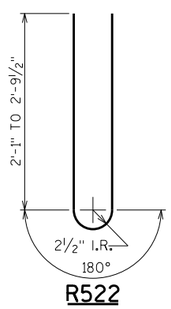

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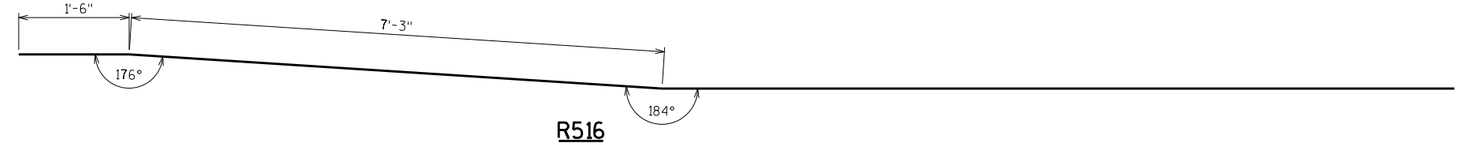

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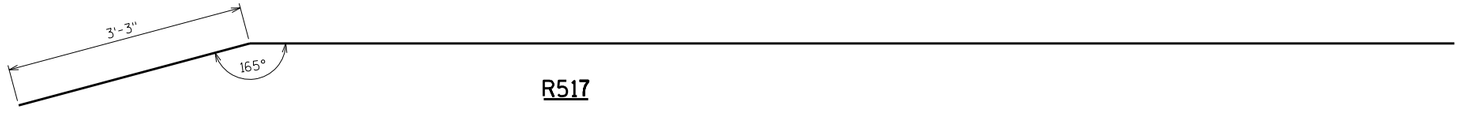


R517

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-251

DRAWN BY JPH | PLANS CK'D. MJK

STRUCTURAL APPROACH SLAB BAR DETAILS

SHEET 21

337

STATE PROJECT NUMBER

1020-07-80

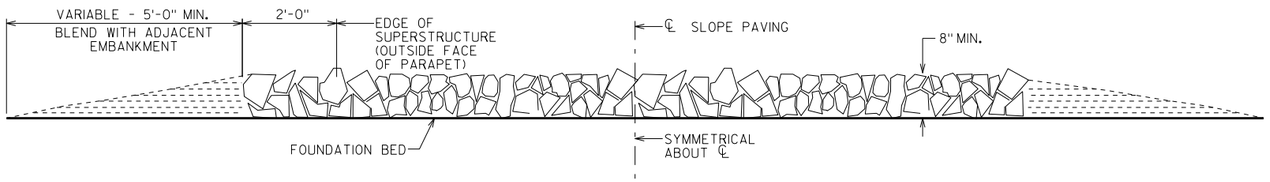
SCALE = 1.00

8

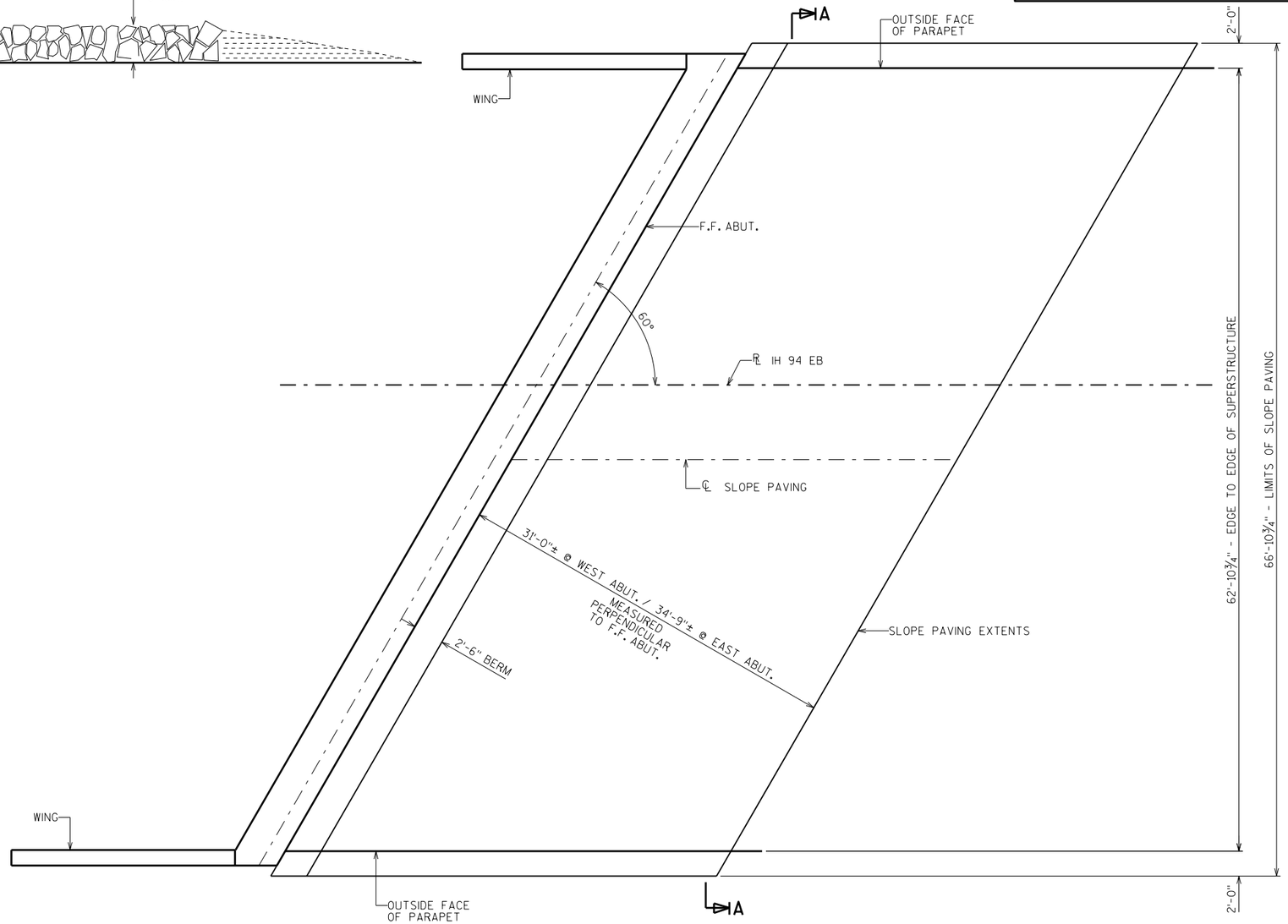
8

STATE PROJECT NUMBER

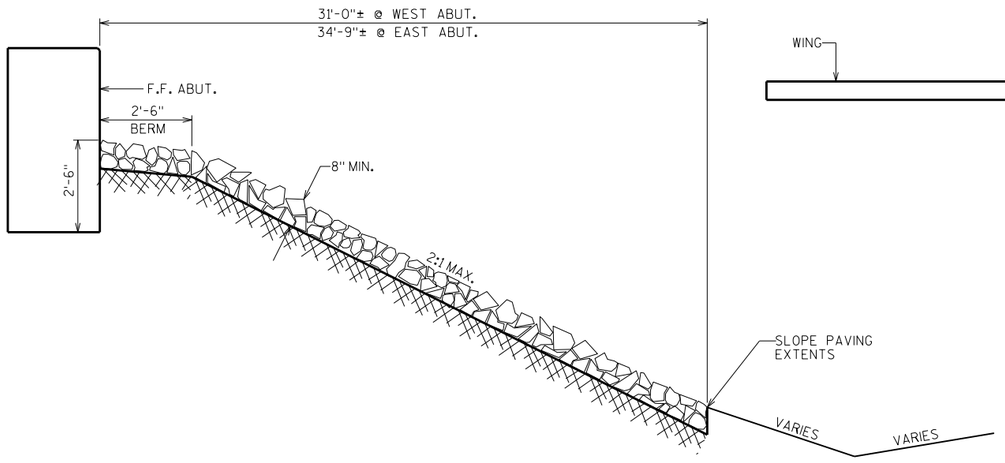
1020-07-80



SECTION A-A



PLAN AT BOTH ABUTMENTS



CROSS SECTION THRU SELECT CRUSHED MATERIAL AT ABUTMENTS

ASPHALTIC MATERIAL SHALL NOT BE APPLIED TO THE SURFACE OF SELECT CRUSHED MATERIAL

NOTES

BID ITEM SHALL BE "SLOPE PAVING SELECT CRUSHED MATERIAL"

WOOD FORMS MAY BE LEFT IN PLACE WHEN OF A QUALITY ACCEPTABLE TO THE ENGINEER.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-251

DRAWN BY JPH | PLANS CK'D. MJK

SLOPE PAVING SELECT CRUSHED MATERIAL

SHEET 22

338

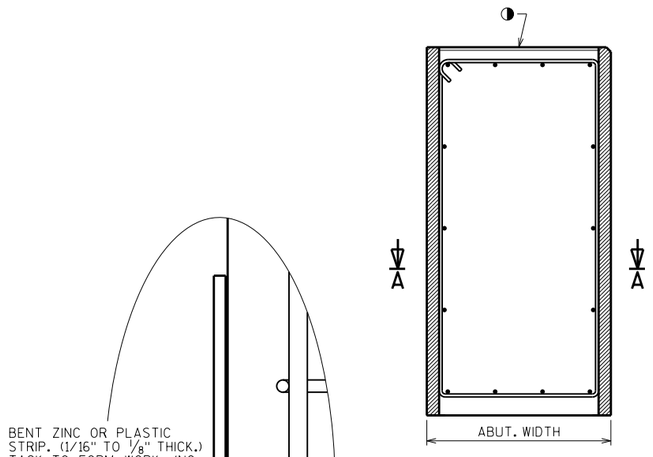
SCALE = 1.00

8

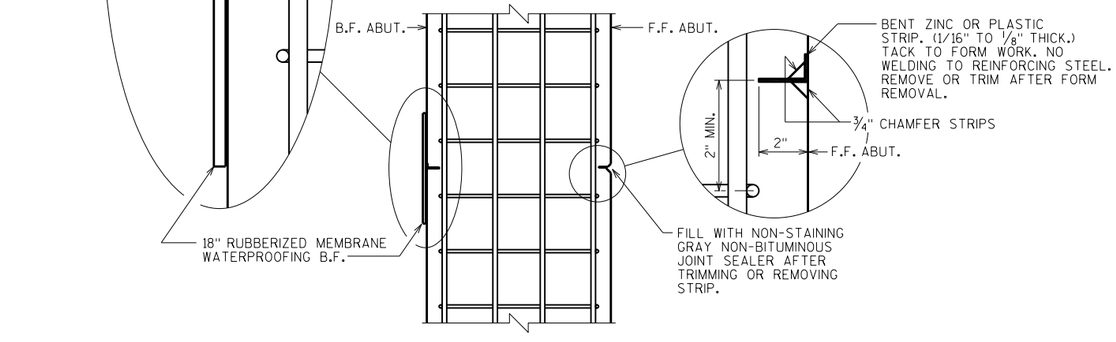
8

STATE PROJECT NUMBER

1020-07-80



SECTION THRU ABUTMENT BODY



SECTION A-A

ALTERNATE CONSTRUCTION JOINT AT ABUTMENT

NOTES

PARTIAL ZINC OR PLASTIC BULKHEAD MAY BE USED AS ALTERNATE CONSTRUCTION JOINT, WITH THE PERMISSION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

VERTICAL CONSTRUCTION JOINT KEYWAY IS NOT REQUIRED WHEN USING ALTERNATE CONSTRUCTION JOINT.

CARE IS TO BE USED IN CASTING CONCRETE AROUND BULKHEAD TO PREVENT DISLOCATION OR MISALIGNMENT OF THE BULKHEAD.

SAW CUTTING JOINT IS NOT ALLOWED.

◑ USE A JOINT TOOL TO CONSTRUCT A CONTRACTION JOINT APPROXIMATELY 1/2" DEEP.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-251

DRAWN BY JPH | PLANS CK'D. MJK

ALTERNATE CONSTRUCTION JOINT

SHEET 23

339

SCALE = 1.00

8

8

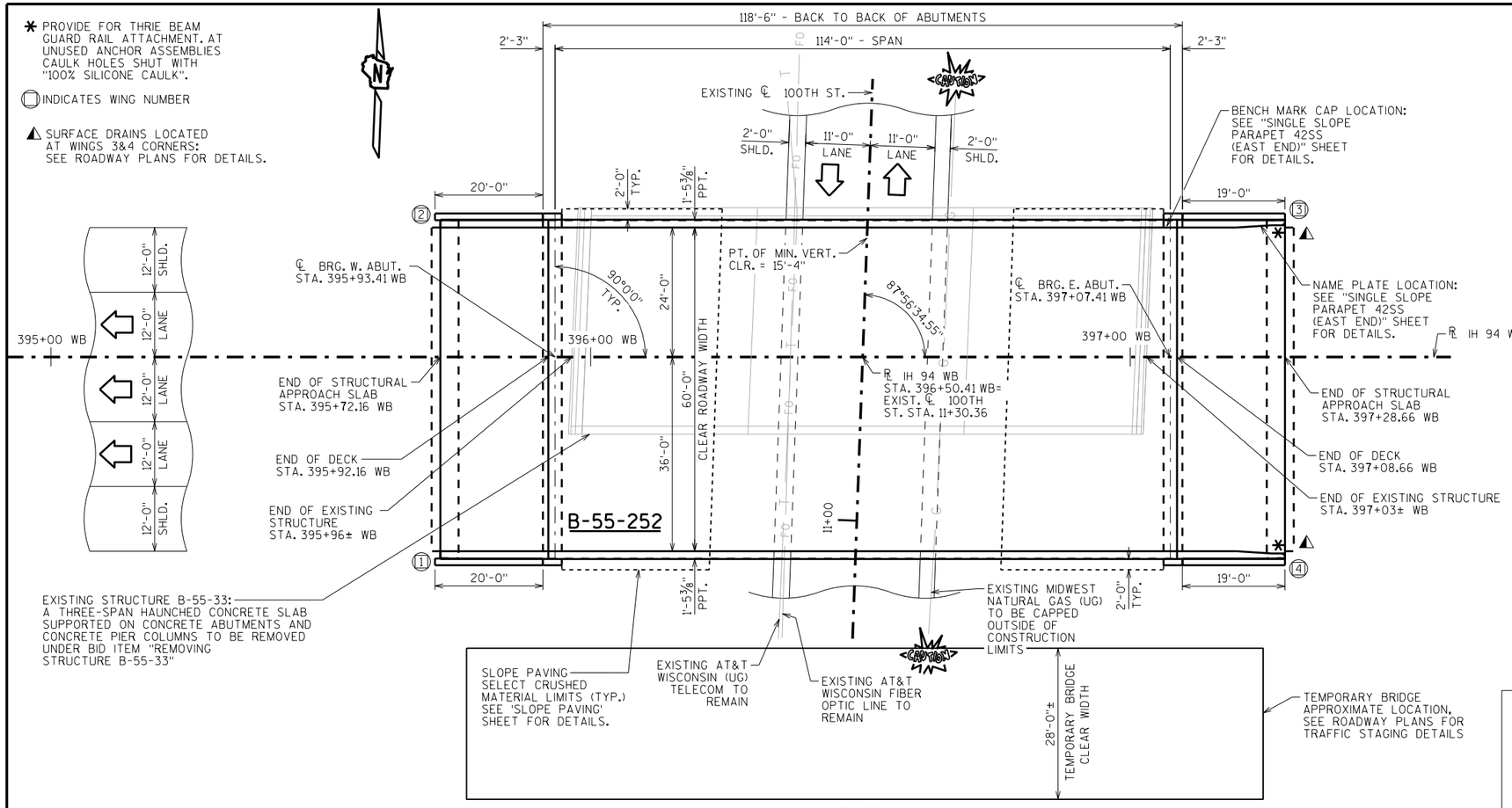
STATE PROJECT NUMBER

1020-07-81

* PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT. AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

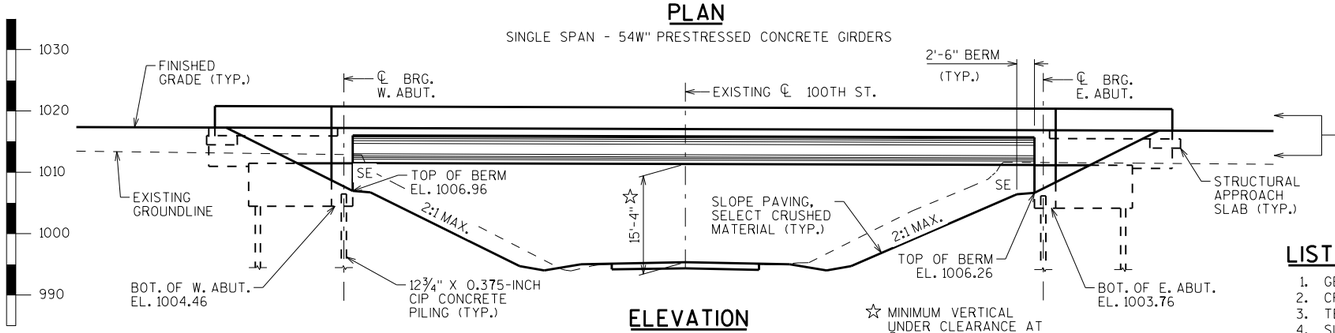
(2) INDICATES WING NUMBER

⚠ SURFACE DRAINS LOCATED AT WINGS 3&4 CORNERS: SEE ROADWAY PLANS FOR DETAILS.



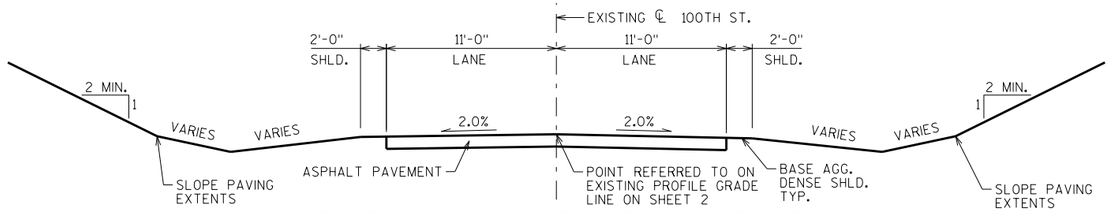
PLAN

SINGLE SPAN - 54W" PRESTRESSED CONCRETE GIRDERS



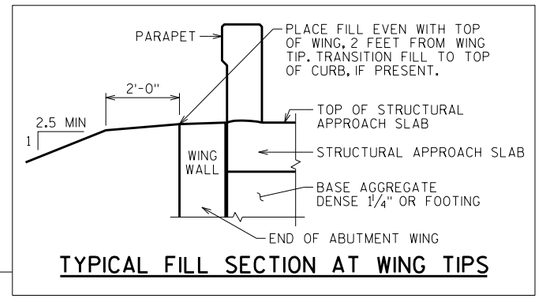
ELEVATION

NORMAL TO 100TH ST. - LOOKING NORTH



EXISTING CROSS SECTION THRU 100TH ST.

NORMAL TO 100TH ST. - LOOKING NORTH



TYPICAL FILL SECTION AT WING TIPS

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.11
OPERATING RATING FACTOR: RF = 1.44
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
SUPERSTRUCTURE & STRUCTURAL APPROACH SLABS — f'c = 4,000 P.S.I.
ALL OTHER — f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT:
GRADE 60 — fy = 60,000 P.S.I.
STAINLESS, GRADE 60 — fy = 60,000 P.S.I.

54W" PRESTRESSED GIRDERS:
CONCRETE MASONRY — f'c = 8,000 P.S.I.
STRANDS: 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON 12¾" X 0.375-INCH CIP CONCRETE PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 140 TONS ** PER PILE AS DETERMINED BY THE PDA METHOD. ESTIMATED 60 FEET LONG AT BOTH ABUTMENTS.

** THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.65 USING THE PDA METHOD TO DETERMINE DRIVEN PILE CAPACITY.

TRAFFIC VOLUME

IH 94
ADT = 51,800. (2046)
R.D.S. = 70 M.P.H.

100TH ST.
ADT = 400 (2038)
R.D.S. = 50 M.P.H.

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. TEMPORARY STRUCTURE CROSS SECTION
4. SUBSURFACE EXPLORATION
5. WEST ABUTMENT
6. WEST ABUTMENT DETAILS
7. EAST ABUTMENT
8. EAST ABUTMENT DETAILS
9. 54W" PRESTRESSED GIRDER DETAILS 1
10. 54W" PRESTRESSED GIRDER DETAILS 2
11. STEEL DIAPHRAGM
12. SUPERSTRUCTURE CROSS SECTIONS
13. ABUTMENT DIAPHRAGMS
14. SUPERSTRUCTURE PLAN
15. SUPERSTRUCTURE BAR DETAILS
16. STRUCTURAL APPROACH SLABS
17. STRUCTURAL APPROACH SLAB CROSS SECTION
18. SINGLE SLOPE PARAPET 42SS (WEST END)
19. SINGLE SLOPE PARAPET 42SS (EAST END)
20. STRUCTURAL APPROACH SLAB BAR DETAILS
21. SLOPE PAVING SELECT CRUSHED MATERIAL
22. ALTERNATE CONSTRUCTION JOINT

STRUCTURE DESIGN CONTACTS:
MAXWELL KULICK (608) 261-6108
DOMINIQUE BECHLE (608) 261-8205

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION — BUREAU OF STRUCTURES

ACCEPTED DMB 04/01/24
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-55-252

IH 94 WB OVER 100TH ST.

COUNTY	TOWN
ST. CROIX	WARREN

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
MJK	SCL	JPH	MJK

GENERAL PLAN

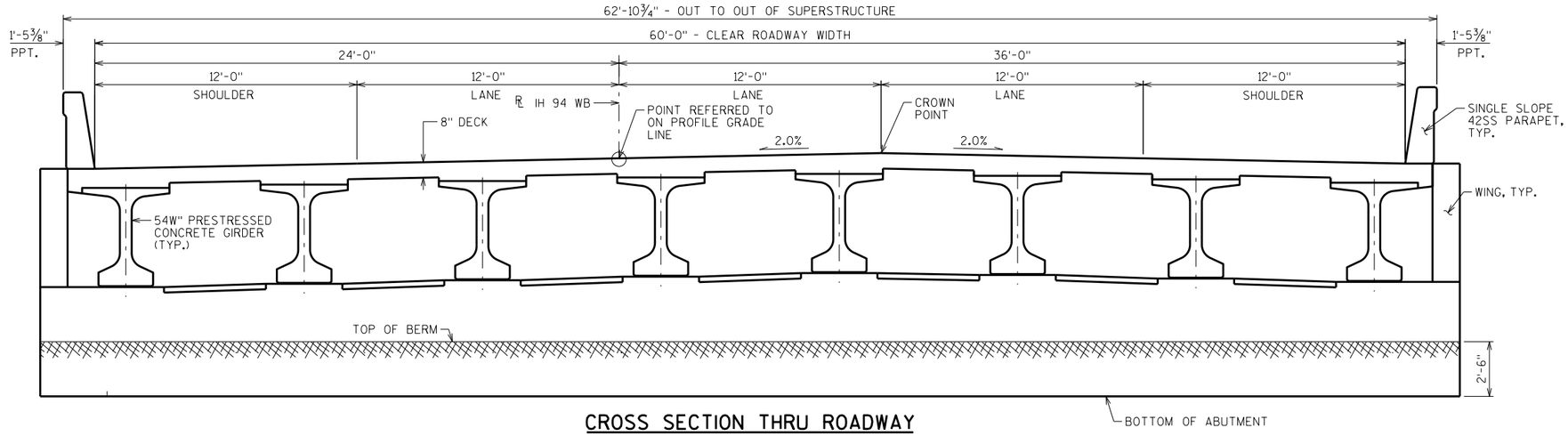
SHEET 1 OF 22

340

I.D. 1020-07-11A

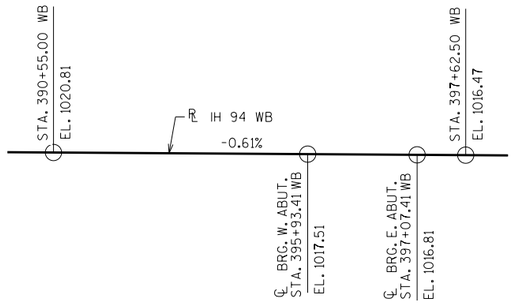
DATE: JUNE 2020

SCALE = 12.00

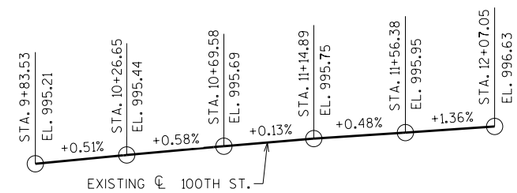


CROSS SECTION THRU ROADWAY

LOOKING EAST



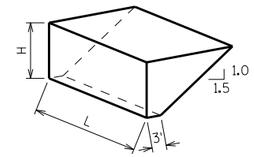
PROFILE GRADE LINE - IH 94 WB



EXISTING PROFILE GRADE LINE - 100TH ST.

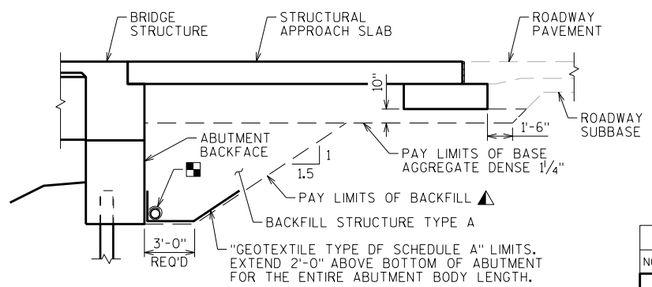
TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	W. STRUCT. APP. SLAB	WEST ABUT.	EAST ABUT.	E. STRUCT. APP. SLAB	TOTALS
203.0220	REMOVING STRUCTURE B-55-33	EACH	———	———	———	———	———	1
206.1001	EXCAVATION FOR STRUCTURES BRIDGES B-55-252	EACH	———	———	———	———	———	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	———	———	448	448	———	896
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	———	197	———	———	197	394
502.0100	CONCRETE MASONRY BRIDGES	CY	330	85	95	93	85	688
502.3200	PROTECTIVE SURFACE TREATMENT	SY	810	134	———	———	134	1,078
502.3210	PIGMENTED SURFACE SEALER	SY	115	20	———	———	20	155
503.0155	PRESTRESSED GIRDER TYPE I 54W-INCH	LF	920	———	———	———	———	920
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	———	———	5,460	5,460	———	10,920
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	53,830	14,165	3,275	3,050	14,300	88,620
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	2,110	———	———	———	———	2,110
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	16	———	———	———	———	16
506.4000	STEEL DIAPHRAGMS B-55-252	EACH	14	———	———	———	———	14
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	———	———	18	18	———	36
526.0101	TEMPORARY STRUCTURE STA. 396+50.42 WB	EACH	———	———	———	———	———	1
550.2126	PILING CIP CONCRETE 12 3/4 X 0.375-INCH	LF	———	———	1,020	1,020	———	2,040
604.0600	SLOPE PAVING SELECT CRUSHED MATERIAL	SY	———	———	230	235	———	465
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	———	———	135	130	———	265
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	2	———	———	———	———	2
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	———	———	63	63	———	126
SPV.0060	PILE DYNAMIC ANALYZER (PDA) TESTING	EACH	———	———	2	2	———	4
SPV.0060	PILE DYNAMIC ANALYZER (PDA) RESTRIKES	EACH	———	———	2	2	———	4
SPV.0060	CASE PILE WAVE ANALYSIS PROGRAM (CAPWAP) EVALUATION	EACH	———	———	1	1	———	2
	NON-BID ITEMS							
	FILLER	SIZE	———	———	———	———	———	½", ¾", 1½"



ABUTMENT BACKFILL DIAGRAM FOR WINGS PARALLEL TO ROADWAY

L = OUT TO OUT OF ABUTMENT, INCLUDING WINGS (FT)
H = AVERAGE ABUTMENT FILL HEIGHT (FT)
EF = EXPANSION FACTOR (1.20 FOR CY BID ITEMS AND 1.00 FOR TON BID ITEMS)
V_{CF} = (L)(3.0')(H) + (L)(0.5)(1.5H)(H)
V_{CY} = V_{CF} (EF)/27
V_{TON} = V_{CY} (2.0)



TYPICAL SECTION THRU ABUTMENT

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

▪ PIPE UNDERDRAIN WRAPPED (6 INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.

STATE PROJECT NUMBER

1020-07-81

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES B-55-252" SHALL BE THE EXISTING GROUNDLINE.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A, ALSO EXCLUDED IS THE "BASE AGGREGATE DENSE 1 1/4-INCH" AS DETAILED ON THE STRUCTURAL APPROACH SLAB SHEETS.

EXCAVATION BELOW THE ABUTMENT AND ABUTMENT BEDDING MATERIALS REQUIRES ENGINEER APPROVAL. GEOTEXTILE SHALL BE SET AT THE BOTTOM OF EXCAVATION AND EXTEND 2'-0" ABOVE BOTTOM OF ABUTMENT.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK AND APPROACH SLAB SURFACES AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGMS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS, INCLUDING PARAPETS ON APPROACH SLABS.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON SHEET 1 AND THE ABUTMENT DETAILS.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE "54W PRESTRESSED GIRDER DETAILS 2" SHEET.

EXISTING STRUCTURE B-55-33 IS A 3-SPAN HAUNCHED SLAB WITH ABUTMENTS AND PIERS SUPPORTED ON TIMBER PILING AND IS TO BE REMOVED.

ANY TEMPORARY SHORING REQUIRED TO CONSTRUCT THE TEMPORARY STRUCTURE WILL BE INCIDENTAL TO BID ITEM "TEMPORARY STRUCTURE STA. 396+50.42 WB"

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-252

DRAWN BY JPH | PLANS CK'D. MJK

CROSS SECTION & QUANTITIES

SHEET 2

341

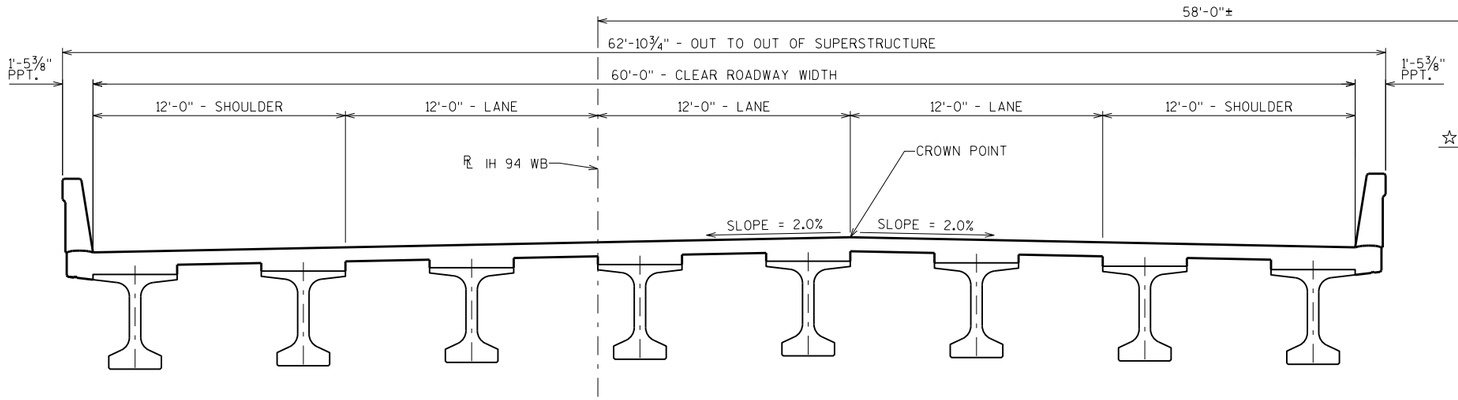
8

8

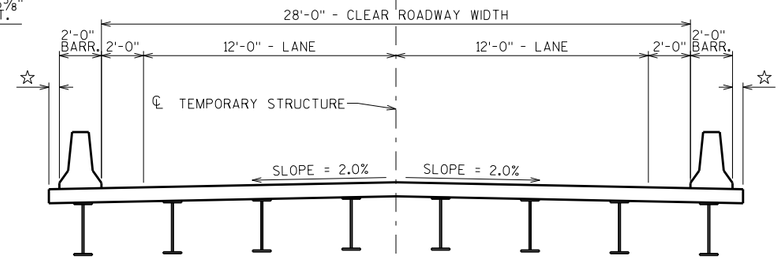
SCALE = 3.00

STATE PROJECT NUMBER

1020-07-81



B-55-252



TEMPORARY STRUCTURE

PROPOSED CROSS SECTION THRU ROADWAY - IH 94 WB OVER 100TH STREET (LOOKING EAST)

☆ TEMPORARY CONCRETE BARRIER MINIMUM DEFLECTION CLEARANCE

DRIVING SURFACE	BARRIER CONNECTION	CONSTRUCTION POSTED SPEED	
		40 MPH OR LESS	45 MPH OR GREATER
ASPHALTIC OVERLAY	UNANCHORED	2'-0"	4-0"
REINFORCED CONCRETE			
	ANCHORED	6"	

NOTE:
SEE ROADWAY PLANS FOR
FULL STAGING DETAILS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-252

DRAWN BY JPH | PLANS CK'D. MJK

TEMPORARY STRUCTURE CROSS SECTION

SHEET 3

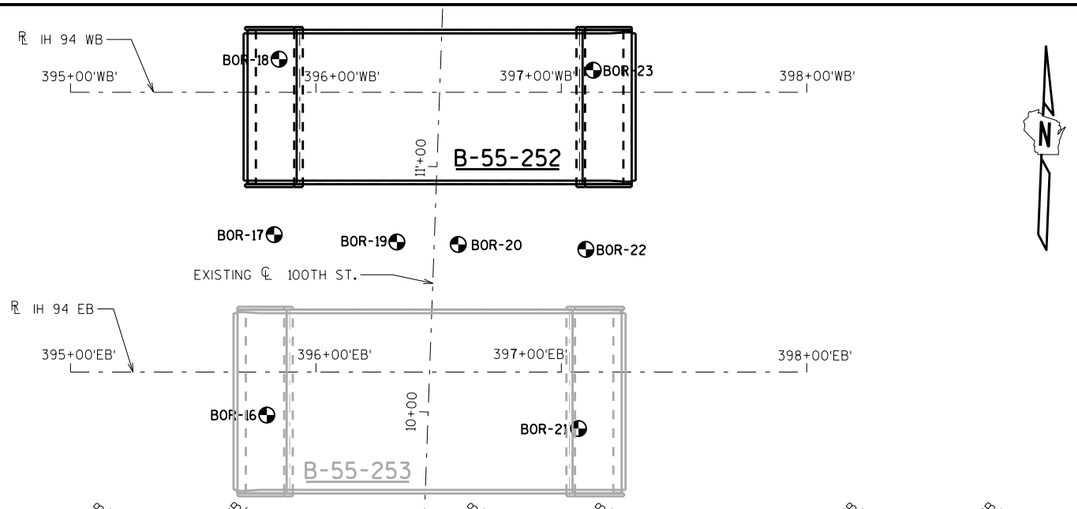
342

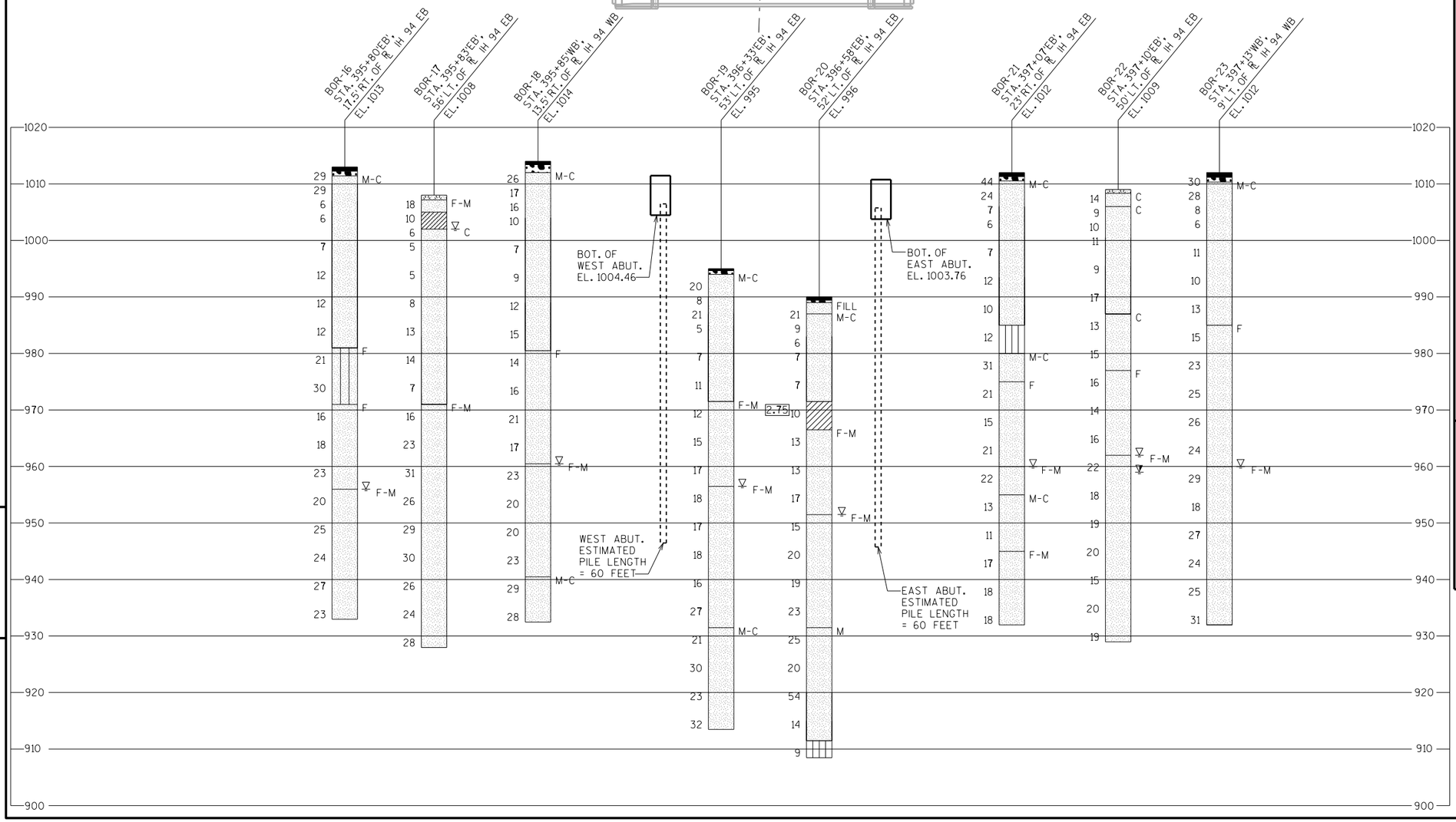
SCALE = 3.50

8

8

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
16	12/10/2018	337095	551888
17	11/07/2018	337168	551888
18	12/06/2018	337241	551888
19	11/20/2018	337168	551940
20	11/19/2018	337168	551965
21	12/12/2018	337095	552017
22	11/06/2018	337168	552017
23	12/06/2018	337241	552017
BORINGS COMPLETED BY: PSI			
REPORT COMPLETED BY: PSI			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) ST CROIX COUNTY			
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT			





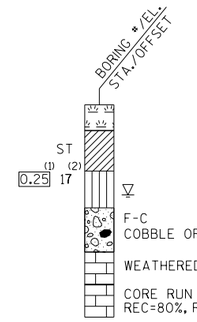
STATE PROJECT NUMBER

1020-07-81

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- ▽ AT TIME OF DRILLING
- ▼ END OF DRILLING
- ▽ AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-252

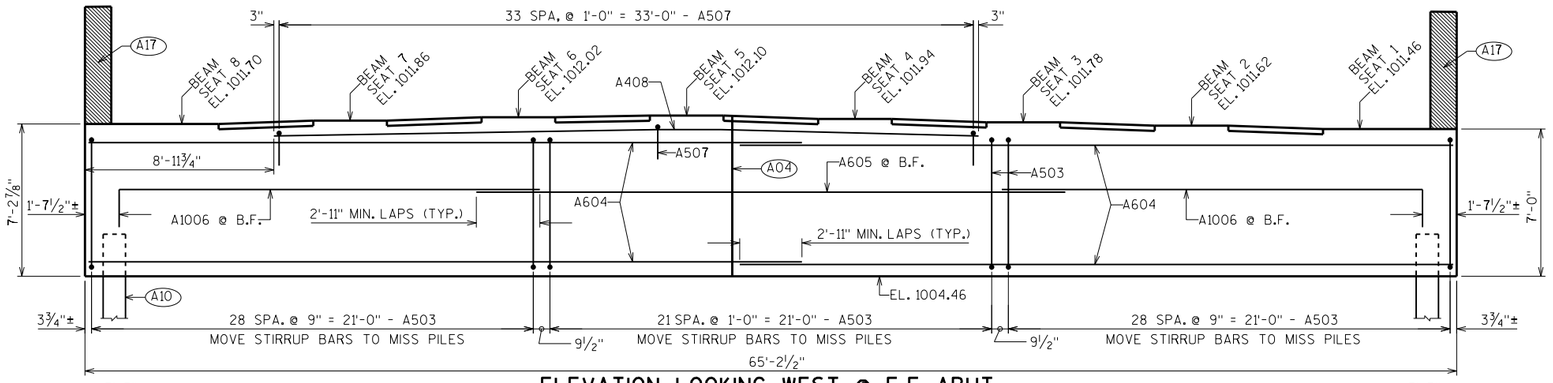
DRAWN BY TLP/JPH | PLANS CK'D. MJK

SUBSURFACE EXPLORATION

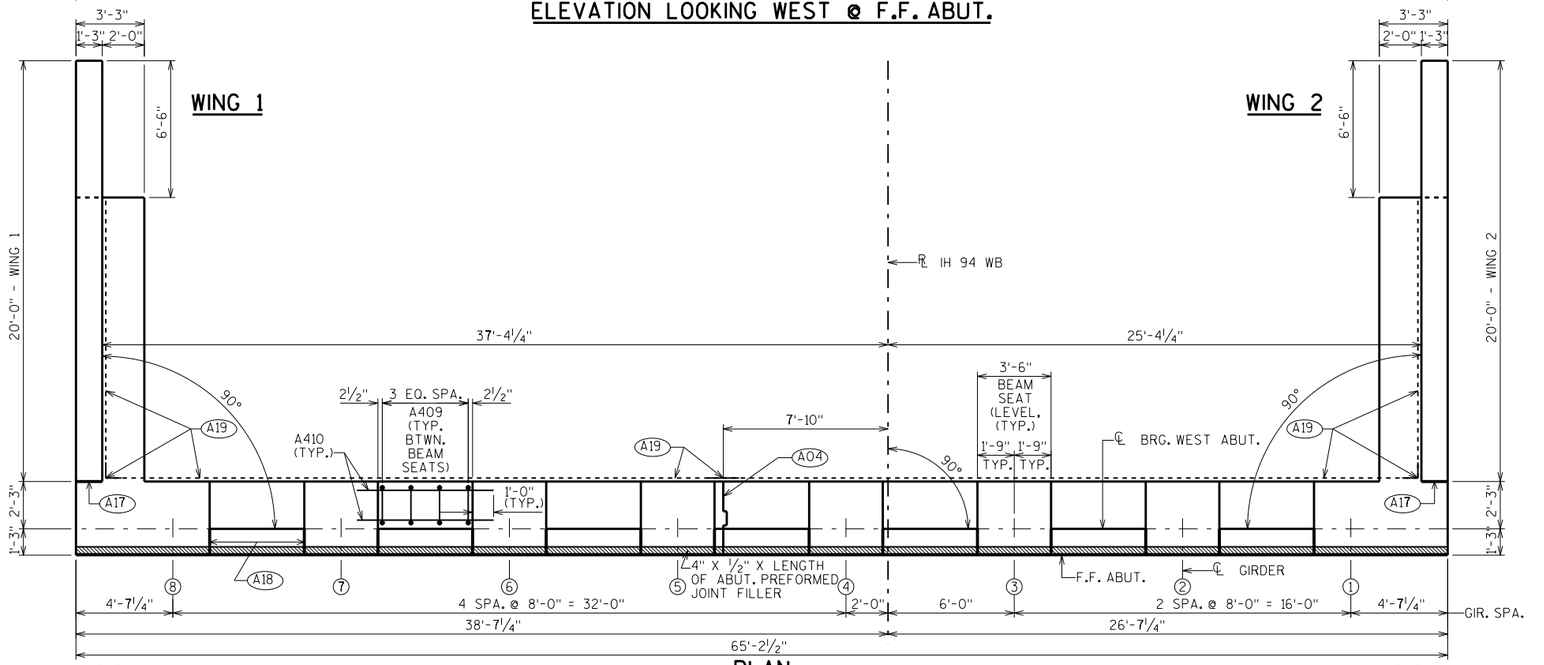
SHEET 4

343

SCALE = 30.00



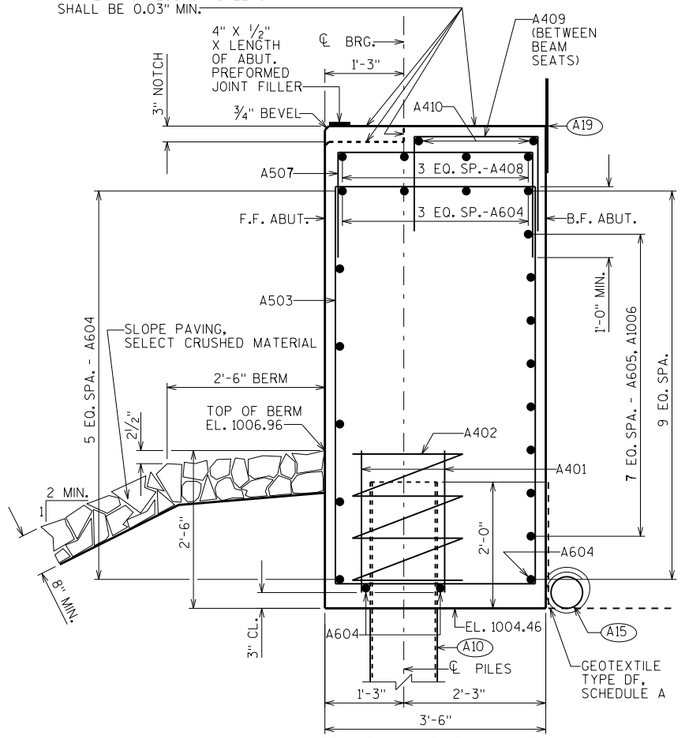
ELEVATION LOOKING WEST @ F.F. ABUT.



PILE PLAN

○ INDICATES GIRDER NUMBER

STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING BEARING PADS. TOTAL THICKNESS OF SHEETS SHALL BE 0.03" MIN.



SECTION THRU BODY

(A04) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2" x 8". ¾" "V" GROOVE @ THE FRONT FACE AND 18" RMW @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

(A10) SUPPORT ABUTMENT ON 12¾" DIA. X 0.375" CIP CONCRETE PILING. ESTIMATED 60'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 140 TONS PER PILE. SEE "PILE DETAILS" ON NEXT SHEET.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) ½" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A18) ¾" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

(PDA) PILE DYNAMIC ANALYZER TESTING AND RESTRIKES REQUIRED AT THIS PILE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-252

DRAWN BY JPH | PLANS CK'D. MJK

WEST ABUTMENT

SHEET 5

344

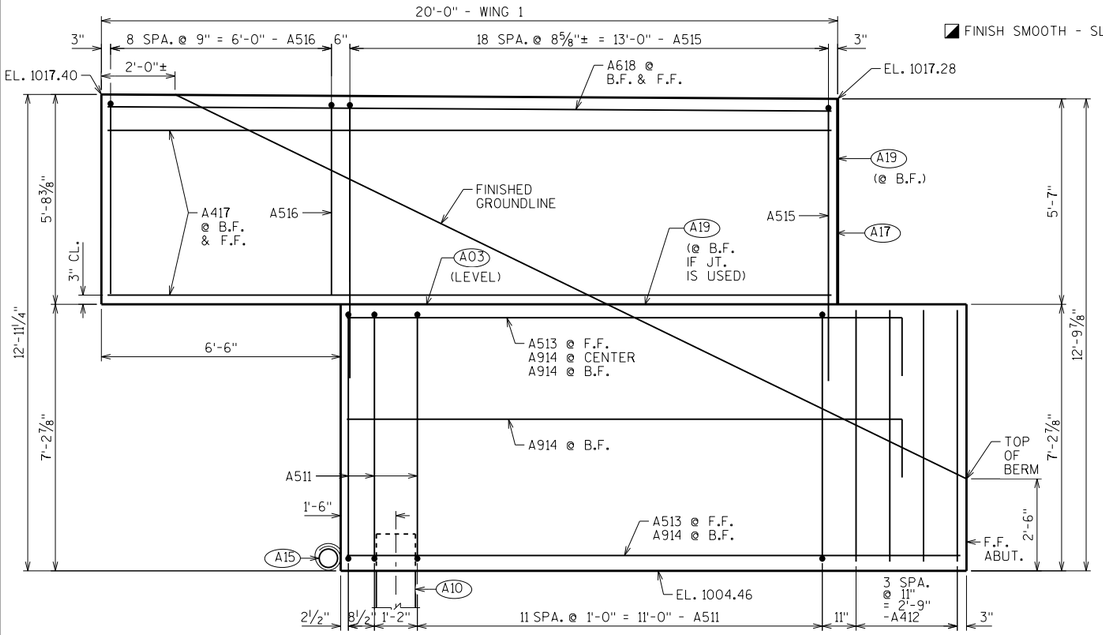
STATE PROJECT NUMBER

1020-07-81

8

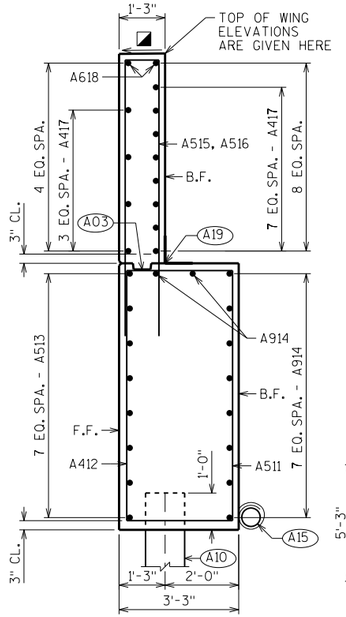
8

SCALE = 3.50

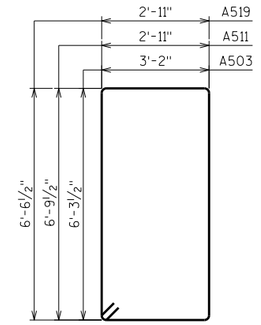


WING 1 ELEVATION LOOKING AT F.F. WING

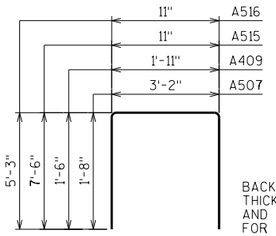
FINISH SMOOTH - SLOPE TO DRAIN



WING 1 SECTION



A503 A511 A519



A507 A409 A515 A516

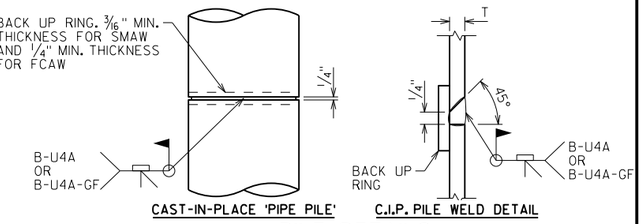
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

STATE PROJECT NUMBER

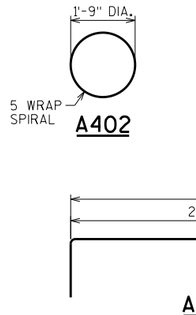
1020-07-81

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
A401		30	2'-3"		BODY-BOTTOM-2 PER BODY PILE-VERTICAL
A402		15	28'-0"	X	BODY-BOT.-SPIRAL-1 PER BODY PILE-VERT.
A503		80	19'-7"	X	BODY-STIRRUPS-VERT.
A604		24	33'-11"		BODY-HORIZONTAL
A605		8	28'-0"		BODY-HORIZONTAL-B.F.-AT CENTER
A1006		16	21'-6"	X	BODY-HORIZONTAL-B.F.-AT BOTH ENDS
A507		34	6'-3"	X	BODY-TOP-VERT.-UNDER BEAM SEATS 4-7
A408		4	33'-6"		BODY-TOP-HORIZ.-UNDER BEAM SEATS 4-7
A409		28	4'-9"	X	BODY-TOP-VERT.-BETWEEN BEAM SEATS
A410		14	6'-6"		BODY-TOP-HORIZ.-BETWEEN BEAM SEATS
A511	X	14	20'-1"	X	WING 1-BOT.-STIRRUP-VERT.
A412	X	4	6'-10"		WING 1 F.F./BODY END-BOT.-VERT.
A513	X	16	16'-8"		WINGS 1&2-BOT.-HORIZONTAL-F.F.
A914	X	20	16'-5"	X	WINGS 1&2-BOT.-HORIZONTAL-B.F.
A515	X	38	15'-8"	X	WINGS 1&2-TOP-VERTICAL
A516	X	18	11'-2"	X	WINGS 1&2-TOP-VERTICAL-AT ENDS
A417	X	24	19'-8"		WINGS 1&2-TOP-HORIZONTAL-B.F. & F.F.
A618	X	4	19'-8"		WINGS 1&2-TOP-HORIZONTAL-B.F. & F.F.
A519	X	14	19'-7"	X	WING 2-BOT.-STIRRUP-VERT.
A420	X	4	6'-7"		WING 2 F.F./BODY END-BOT.-VERT.

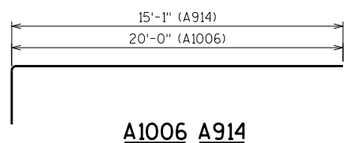


CAST-IN-PLACE 'PIPE PILE' C.I.P. PILE WELD DETAIL

PILE DETAILS



A402



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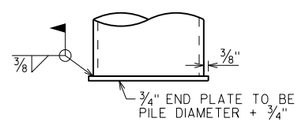
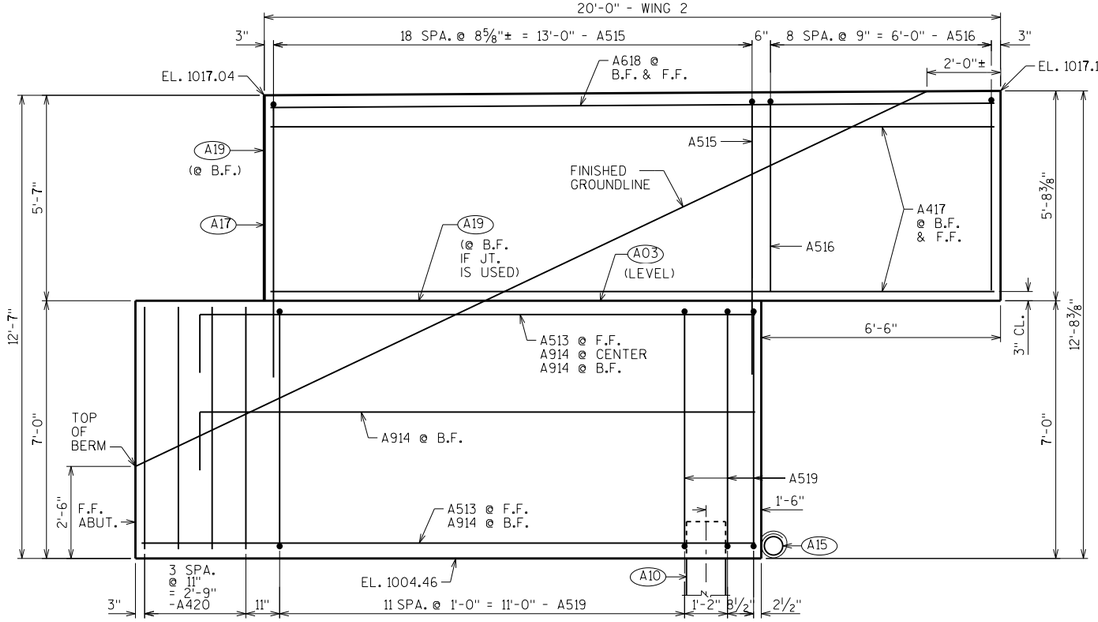
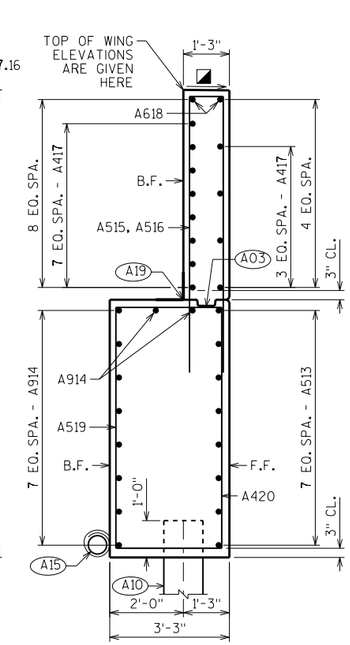


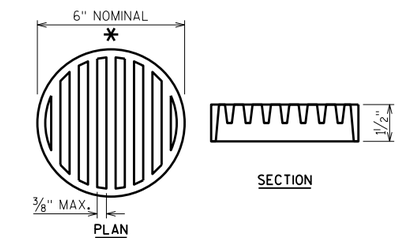
END PLATE DETAIL



WING 2 ELEVATION LOOKING AT F.F. WING



WING 2 SECTION



PLAN

RODENT SHIELD DETAIL

A03 OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2" × 6". (18" RMW @ B.F. & ¾" "V" GROOVE @ F.F. IF JOINT IS USED).

A10 SUPPORT ABUTMENT ON 12¾" DIA. X 0.375" CIP CONCRETE PILING, ESTIMATED 60'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 140 TONS PER PILE.

A15 PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

A17 ½" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

A19 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

*DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-252

DRAWN BY JPH | PLANS CK'D. MJK

WEST ABUTMENT DETAILS

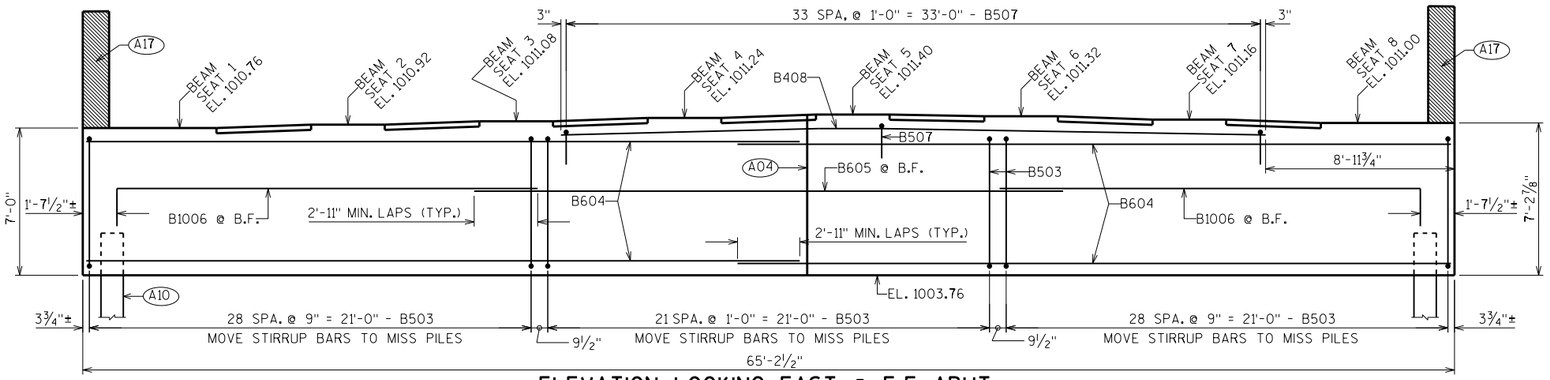
SHEET 6

345

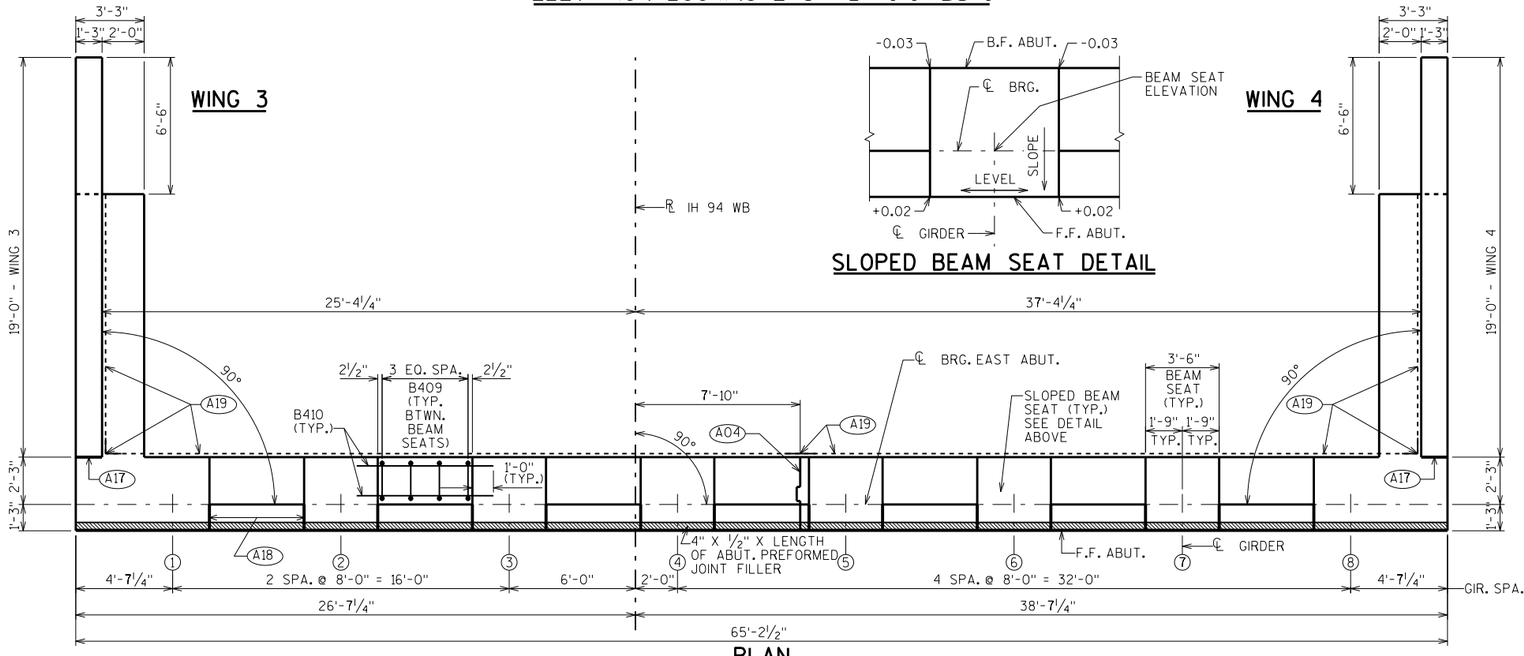
SCALE = 2.00

8

8

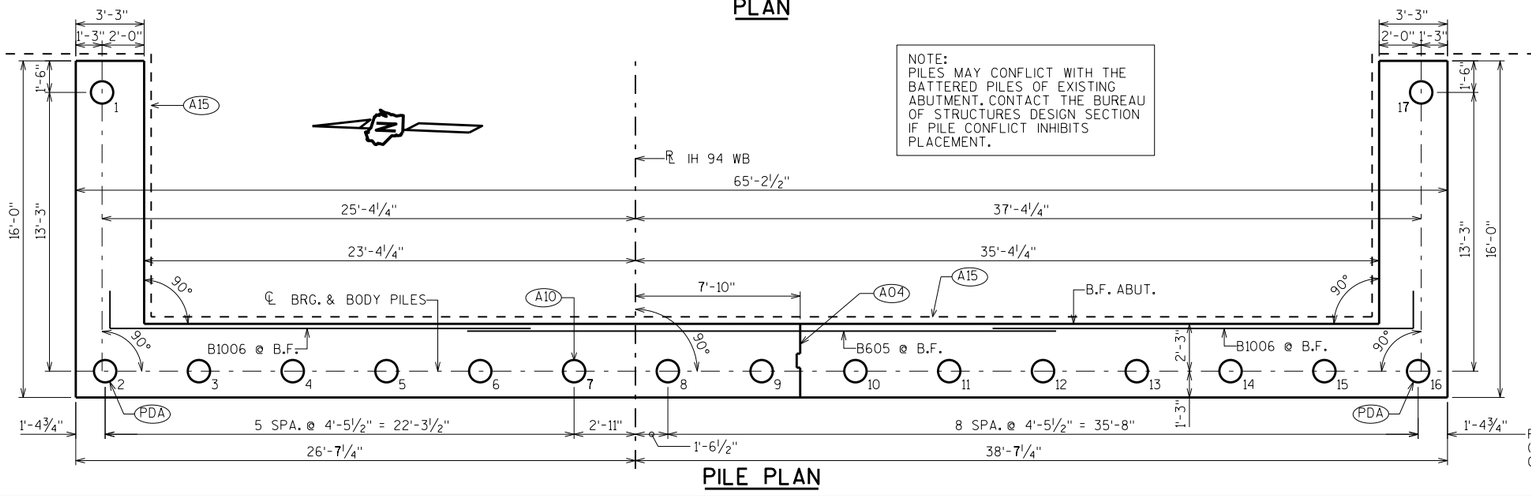


ELEVATION LOOKING EAST @ F.F. ABUT.



PLAN

SLOPED BEAM SEAT DETAIL



PILE PLAN

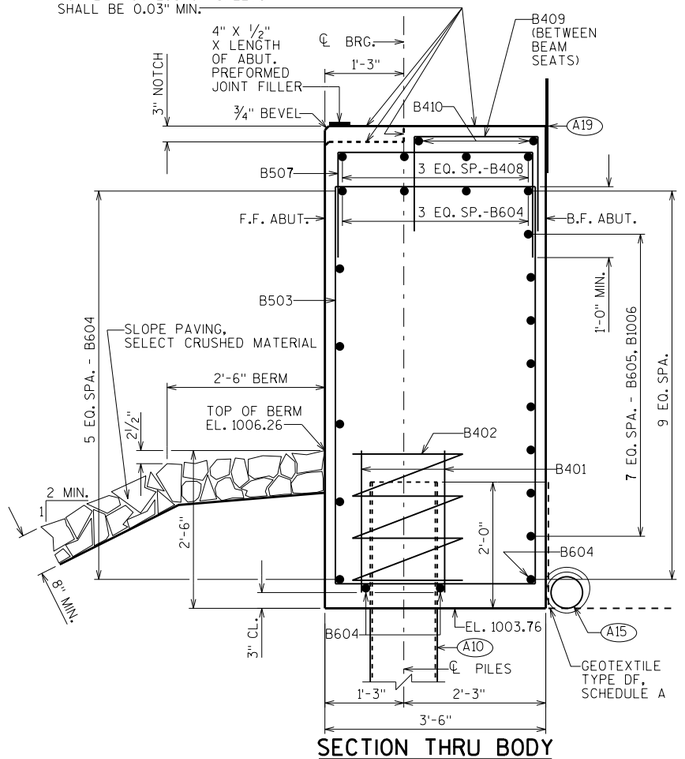
NOTE:
PILES MAY CONFLICT WITH THE BATTERED PILES OF EXISTING ABUTMENT. CONTACT THE BUREAU OF STRUCTURES DESIGN SECTION IF PILE CONFLICT INHIBITS PLACEMENT.

○ INDICATES GIRDER NUMBER

STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING BEARING PADS. TOTAL THICKNESS OF SHEETS SHALL BE 0.03" MIN.

STATE PROJECT NUMBER

1020-07-81



SECTION THRU BODY

(A04) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2" x 8". ¾" "V" GROOVE @ THE FRONT FACE AND 18" RMW @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

(A10) SUPPORT ABUTMENT ON 12¾" DIA. X 0.375" CIP CONCRETE PILING, ESTIMATED 60'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 140 TONS PER PILE. SEE "PILE DETAILS" ON NEXT SHEET.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) ½" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

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(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

(PDA) PILE DYNAMIC ANALYZER TESTING AND RESTRIKES REQUIRED AT THIS PILE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-252

DRAWN BY JPH | PLANS CK'D. MJK

EAST ABUTMENT

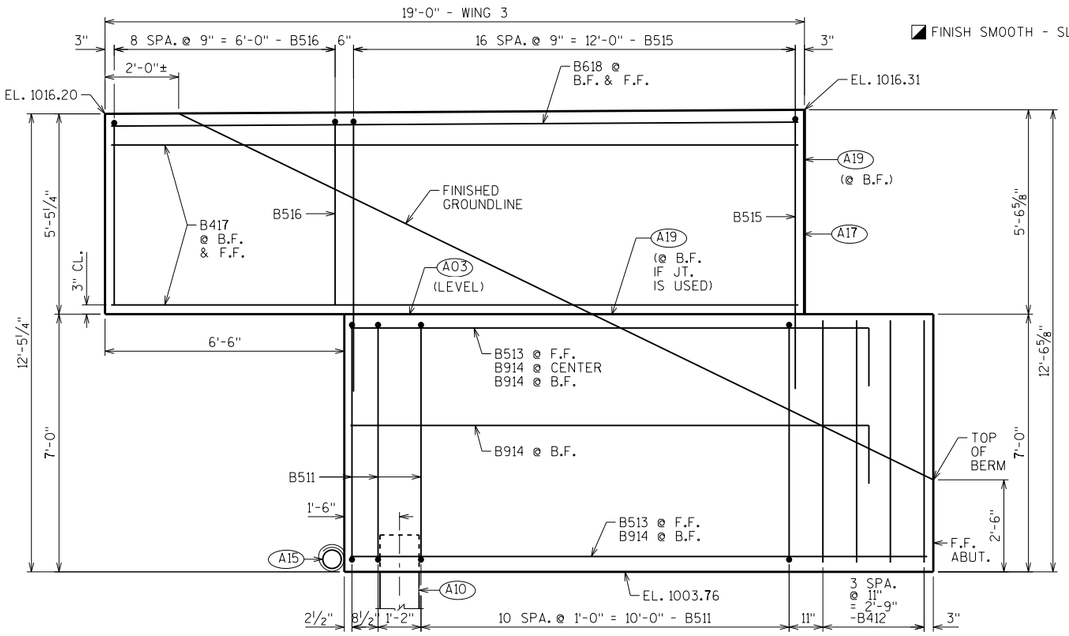
SHEET 7

346

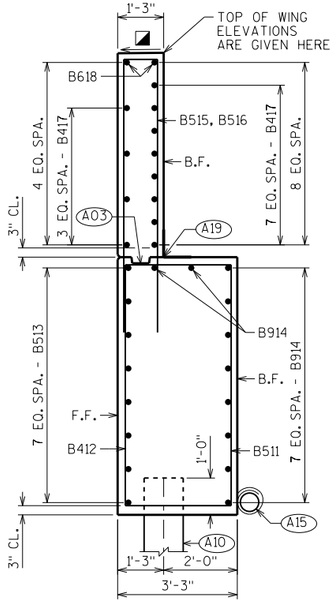
8

8

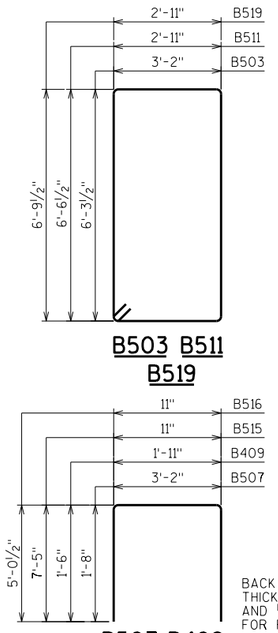
SCALE = 3.50



WING 3 ELEVATION LOOKING AT F.F. WING



WING 3 SECTION



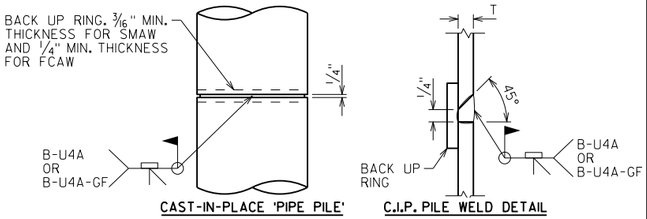
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
B401		30	2'-3"		BODY-BOTTOM-2 PER BODY PILE-VERTICAL
B402		15	28'-0"	X	BODY-BOT.-SPIRAL-1 PER BODY PILE-VERT.
B503		80	19'-7"	X	BODY-STIRRUPS-VERT.
B604		24	33'-11"		BODY-HORIZONTAL
B605		8	28'-0"		BODY-HORIZONTAL-B.F.-AT CENTER
B1006		16	21'-6"	X	BODY-HORIZONTAL-B.F.-AT BOTH ENDS
B507		34	6'-3"	X	BODY-TOP-VERT.-UNDER BEAM SEATS 4-7
B408		4	33'-6"		BODY-TOP-HORIZ.-UNDER BEAM SEATS 4-7
B409		28	4'-9"	X	BODY-TOP-VERT.-BETWEEN BEAM SEATS
B410		14	6'-6"		BODY-TOP-HORIZ.-BETWEEN BEAM SEATS
B511	X	13	19'-7"	X	WING 3-BOT.-STIRRUP-VERT.
B412	X	4	6'-7"		WING 3 F.F./BODY END-BOT.-VERT.
B513	X	16	15'-8"		WINGS 3&4-BOT.-HORIZONTAL-F.F.
B914	X	20	15'-5"	X	WINGS 3&4-BOT.-HORIZONTAL-B.F.
B515	X	34	15'-6"	X	WINGS 3&4-TOP-VERTICAL
B516	X	18	10'-9"	X	WINGS 3&4-TOP-VERTICAL-AT ENDS
B417	X	24	18'-8"		WINGS 3&4-TOP-HORIZONTAL-B.F. & F.F.
B618	X	4	18'-8"		WINGS 3&4-TOP-HORIZONTAL-B.F. & F.F.
B519	X	13	20'-1"	X	WING 4-BOT.-STIRRUP-VERT.
B420	X	4	6'-10"		WING 4 F.F./BODY END-BOT.-VERT.

STATE PROJECT NUMBER

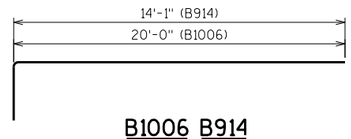
1020-07-81



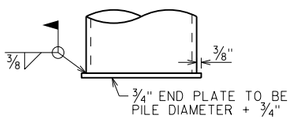
CAST-IN-PLACE 'PIPE PILE' C.I.P. PILE WELD DETAIL

PILE DETAILS

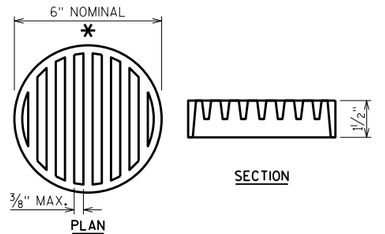
B402



B1006 B914



END PLATE DETAIL



RODENT SHIELD DETAIL

*DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

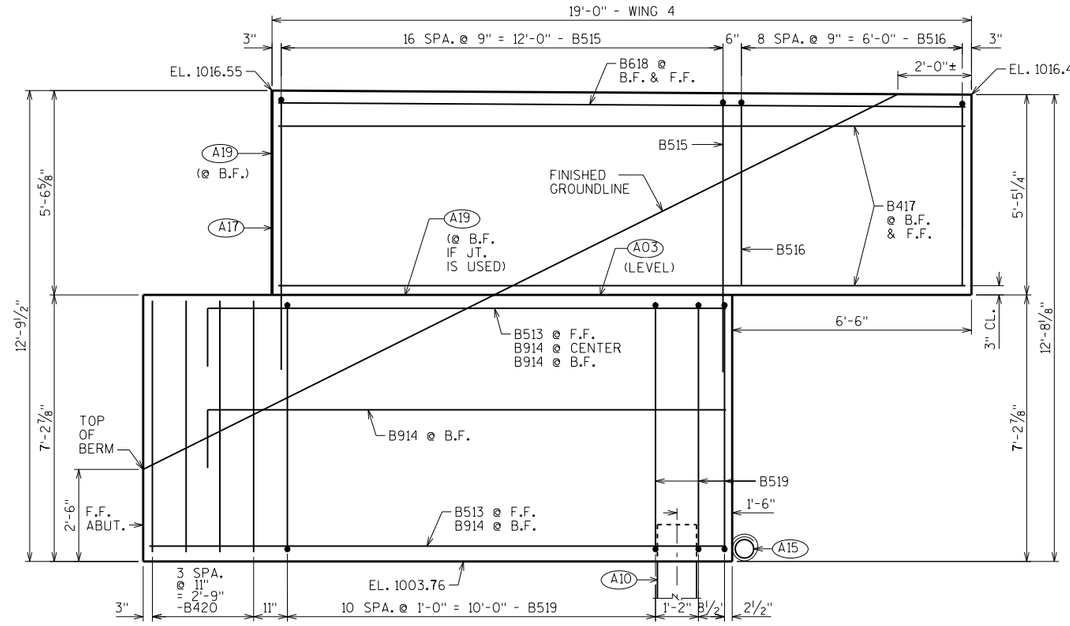
(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2" x 6". (18" RMW @ B.F. & ¾" "V" GROOVE @ F.F. IF JOINT IS USED).

(A10) SUPPORT ABUTMENT ON 12¾" DIA. X 0.375" CIP CONCRETE PILING, ESTIMATED 60'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 140 TONS PER PILE.

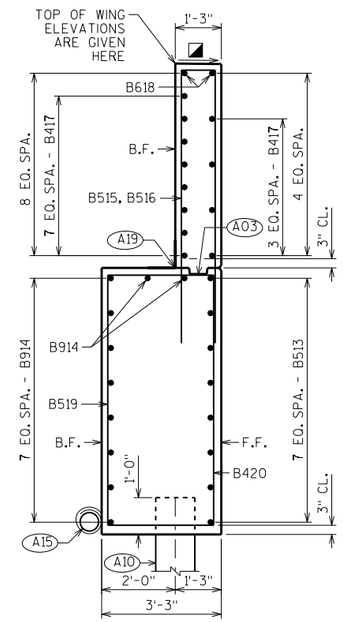
(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) ½" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.



WING 4 ELEVATION LOOKING AT F.F. WING



WING 4 SECTION

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-252

DRAWN BY JPH | PLANS CK'D. MJK

EAST ABUTMENT DETAILS

SHEET 8

347

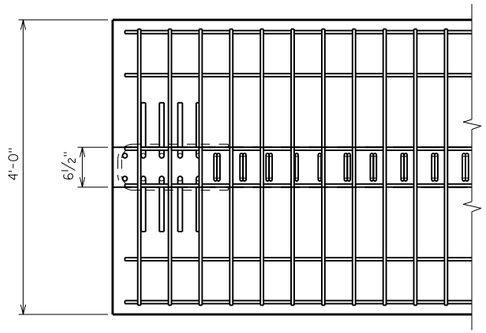
SCALE = 2.00

8

8

STATE PROJECT NUMBER

1020-07-81



TOP FLANGE

NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 15" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 15" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER OR EPOXY TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS. SEE SECT. 503.3.3 OF STANDARD SPECIFICATIONS FOR GUIDANCE.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, END OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER. FOR GIRDER ENDS THAT ARE FINALLY EXPOSED, COAT THE GIRDER ENDS, EXPOSED STRAND ENDS AND ALL NON-BONDING SURFACES WITHIN 2 FEET OF THE GIRDER ENDS WITH A NON-PIGMENTED EPOXY CONFORMING TO AASHTO M-235 TYPE III, GRADE 2, CLASS B OR C. THE EPOXY SHALL BE APPLIED AT LEAST 3 DAYS AFTER MOIST CURING HAS CEASED AND PRIOR TO THE APPLICATION OF THE SEALER.

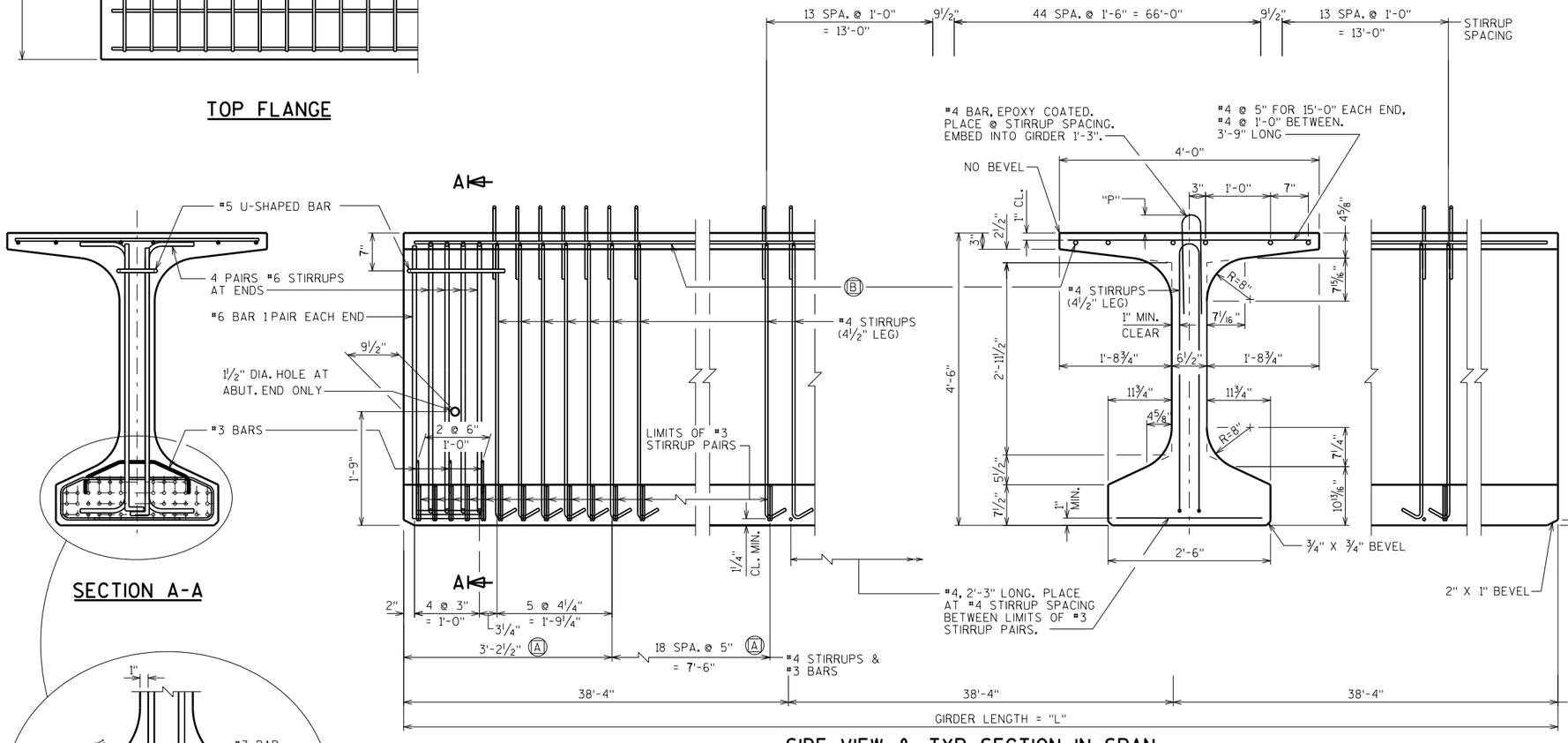
ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT.

AN EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A1064 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON ACCEPTANCE OF THE STRUCTURES MAINTENANCE SECTION. IF USED, WWF SUBSTITUTION DETAILS SHALL BE SUBMITTED ELECTRONICALLY TO THE WISDOT FABRICATION LIBRARY AND ACCEPTED PRIOR TO SHOP DRAWING SUBMITTAL.

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

FOR DIAPHRAGM INSERT & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.

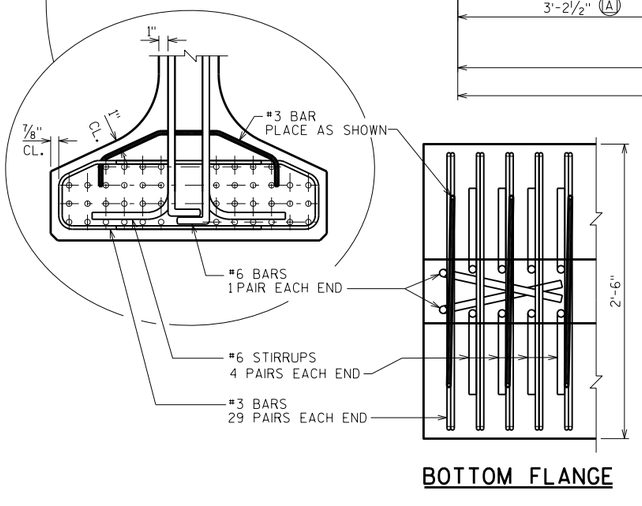


SECTION A-A

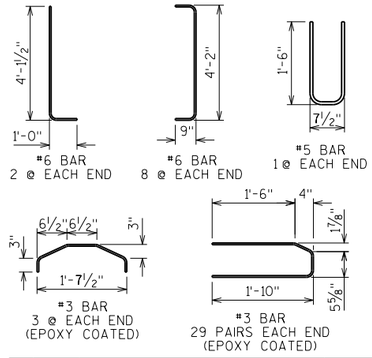
SIDE VIEW & TYP. SECTION IN SPAN

Ⓐ DETAIL TYP. AT EACH END

Ⓑ SIX #4 BARS AT FULL LENGTH WITH 1'-11" MIN. LAPS



BOTTOM FLANGE



⁎ MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L" (FEET)	DEAD LOAD DEFL. (IN.) 1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	CONC. STRGTH. f'c (P.S.I.)	"P" (IN.) 1ST 1/3 OF GIRDER	MID 1/3 OF GIRDER	END 1/3 OF GIRDER	DIA. OF STRAND (IN.)	DRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) ⁎	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	UNDRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) ⁎
1	ALL	115.0	0.6	1.2	1.6	1.9	2.0	1.9	1.6	1.2	0.6	8,000	8	7	8	0.6	40	6,400	49	16	19	5		

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-252

DRAWN BY JPH | PLANS CK'D. MJK

54W" PRESTRESSED GIRDER DETAILS 1

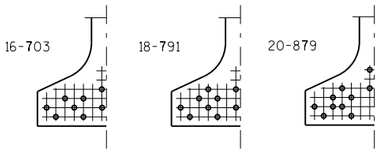
SHEET 9

348

SCALE = 1.00

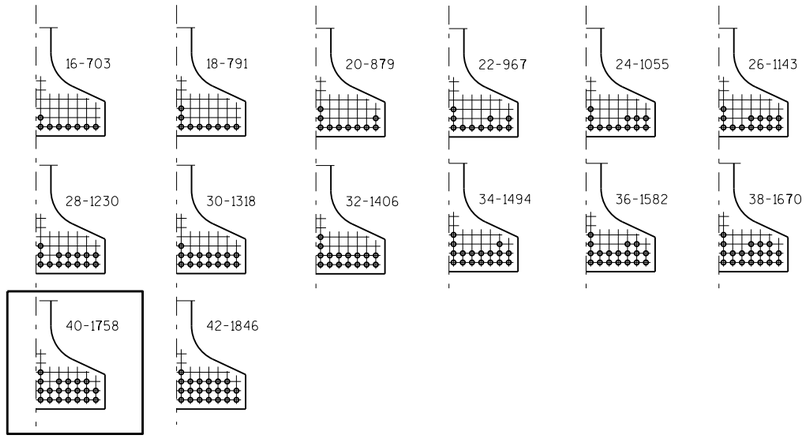
STATE PROJECT NUMBER

1020-07-81



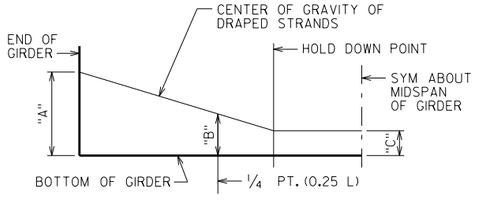
STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPING OF STRANDS

0.6" DIA. STRANDS

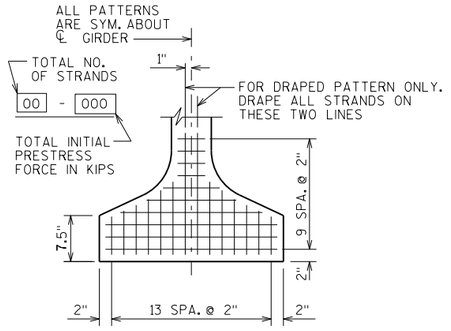


ARRANGEMENT AT ℄ SPAN - FOR GIRDERS WITH DRAPED STRANDS

0.6" DIA. STRANDS



DRAPED STRAND PROFILE



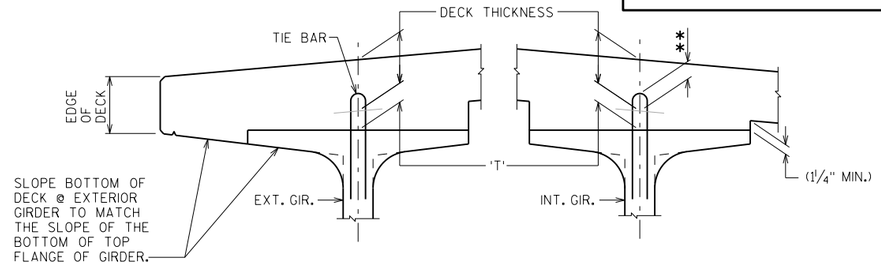
TYP. STRAND PATTERN

* THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

SPAN	CAMBER (IN.) *
1	4.2

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.



DECK HAUNCH DETAIL

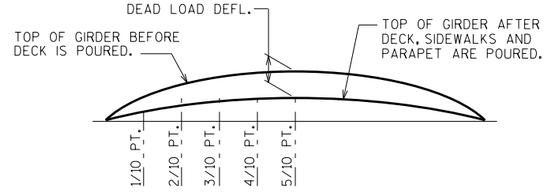
IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR. THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

** IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
\- TOP OF GIRDER ELEVATION
\+ DEAD LOAD DEFLECTION
\- DECK THICKNESS
= HAUNCH HEIGHT 'T'

NOTE:
AN AVERAGE HAUNCH ('T') OF 3.4" WAS USED FOR COMPUTING THE SUPERSTRUCTURE QUANTITY "CONCRETE MASONRY BRIDGES".



DEAD LOAD DEFLECTION DIAGRAM

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-252

DRAWN BY JPH | PLANS CK'D. MJK

54W" PRESTRESSED GIRDER DETAILS 2

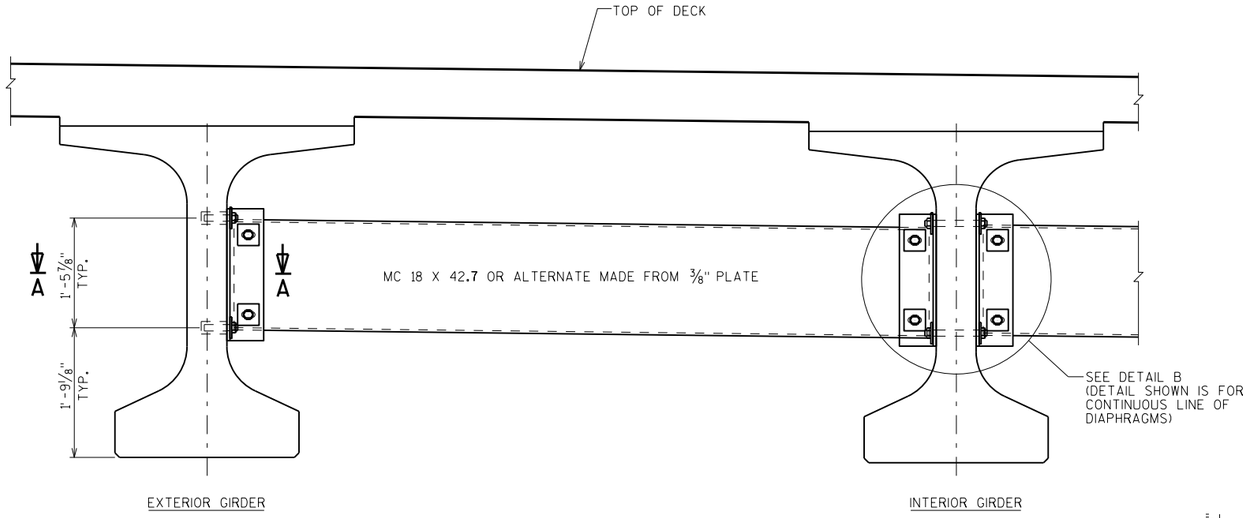
SHEET 10

349

SCALE = 1.00

STATE PROJECT NUMBER

1020-07-81



PART TRANSVERSE SECTION AT DIAPHRAGM

NOTES

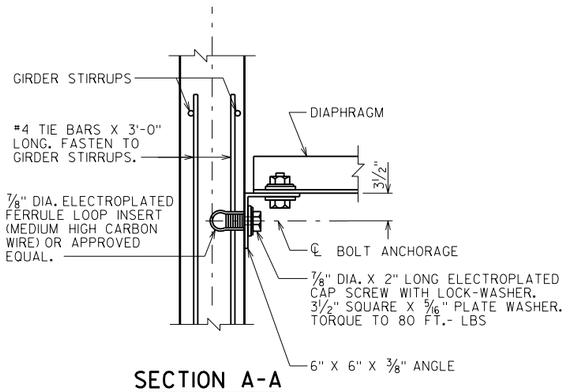
ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-55-252", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

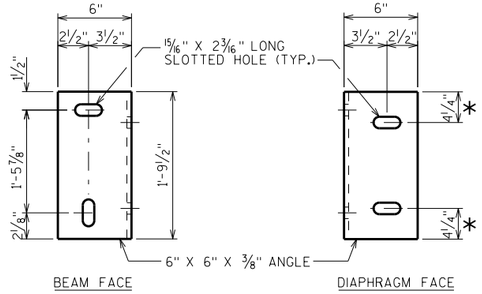
ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

STEEL DIAPHRAGM TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS ¼ TURN, UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.



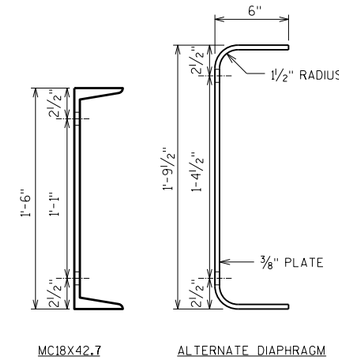
SECTION A-A

(FOR EXTERIOR ATTACHMENT)

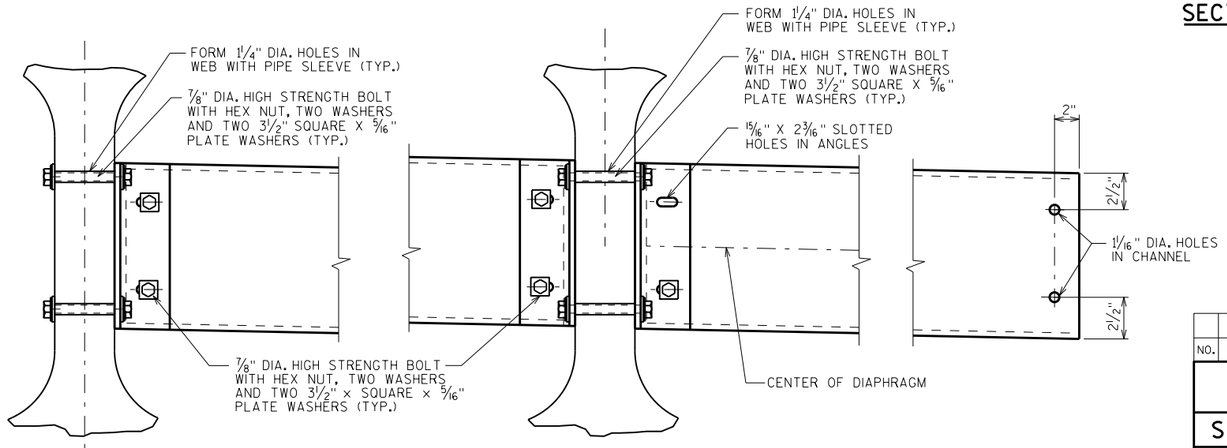


DIAPHRAGM SUPPORT

* 2½" FOR ALTERNATE PLATE DIAPHRAGM



SECTION THRU DIAPHRAGM



(FOR STAGGERED DIAPHRAGM)

DETAIL B

(FOR CONTINUOUS LINE OF DIAPHRAGMS)

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-252

DRAWN BY JPH | PLANS CK'D. MJK

STEEL DIAPHRAGM

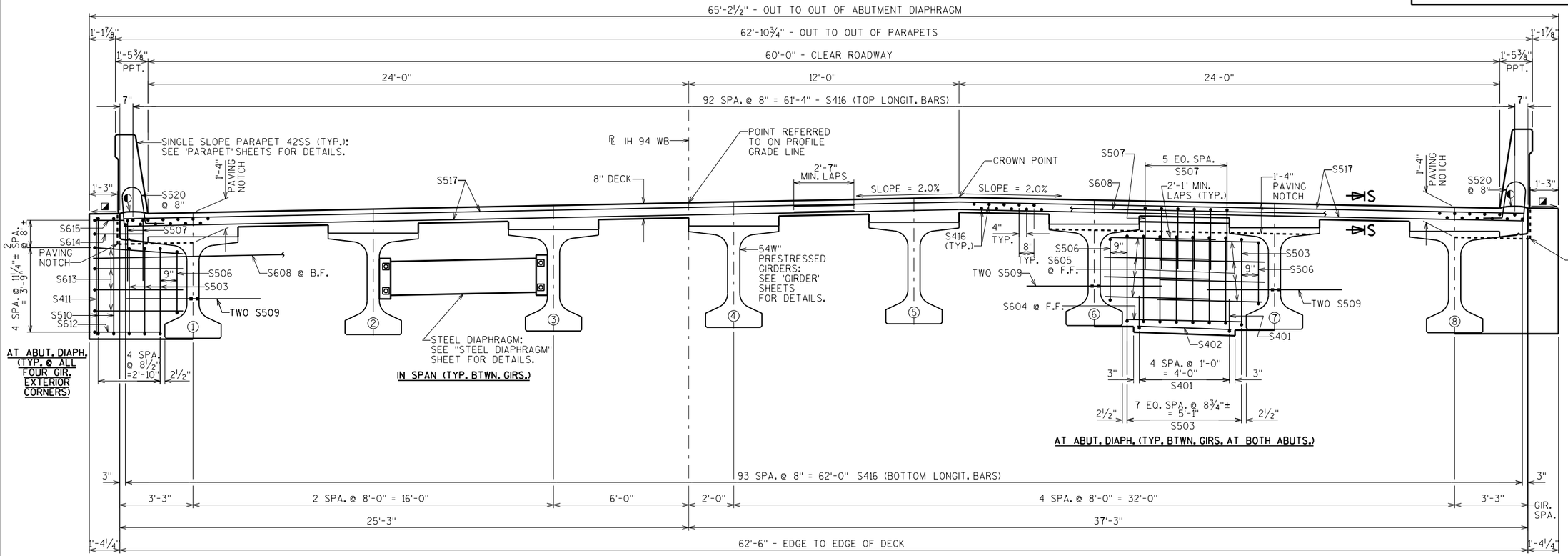
SHEET 11

350

SCALE = 1.00

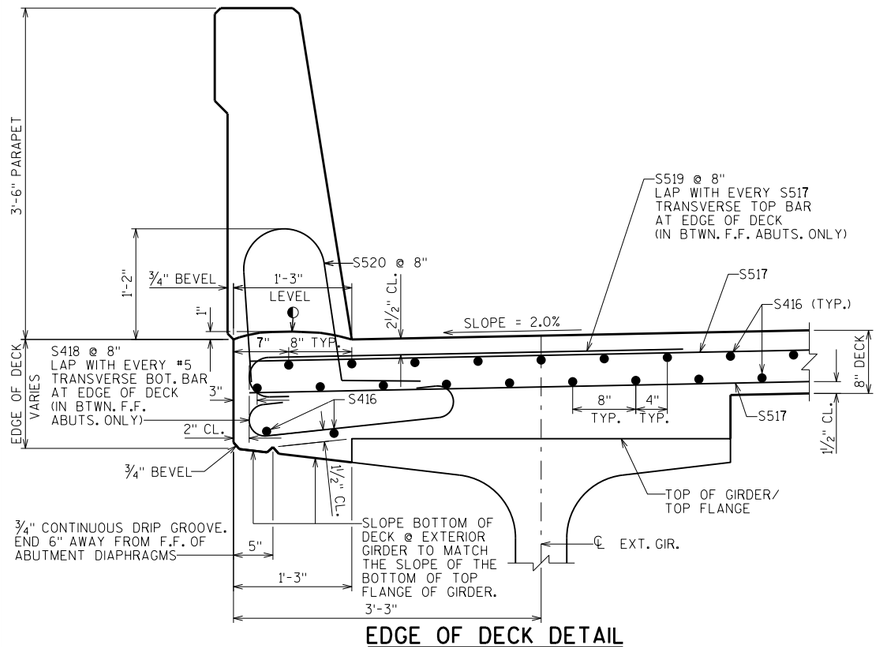
STATE PROJECT NUMBER

1020-07-81



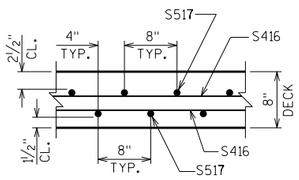
CROSS SECTION THRU BRIDGE LOOKING EAST

(EAST ABUTMENT DIAPHRAGM SHOWN, WEST ABUTMENT DIAPHRAGM SIMILAR)



EDGE OF DECK DETAIL

(TYP. @ BOTH EDGES)



SECTION S-S

NOTES:

FOR THE SECTIONS THRU THE ABUTMENT DIAPHRAGMS SEE "ABUTMENT DIAPHRAGMS" SHEET.

SEE "ABUTMENT DIAPHRAGMS" SHEET FOR ABUTMENT DIAPHRAGM CORNER DETAILS.

◐ HORIZ. CONST. JOINT: STRIKE OFF AND LEAVE ROUGH AS SHOWN

◪ FINISH SMOOTH - SLOPE TO DRAIN

◯ INDICATES GIRDER NUMBER

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-252

DRAWN BY JPH | PLANS CK'D. MJK

SUPERSTRUCTURE CROSS SECTIONS

SHEET 12

351

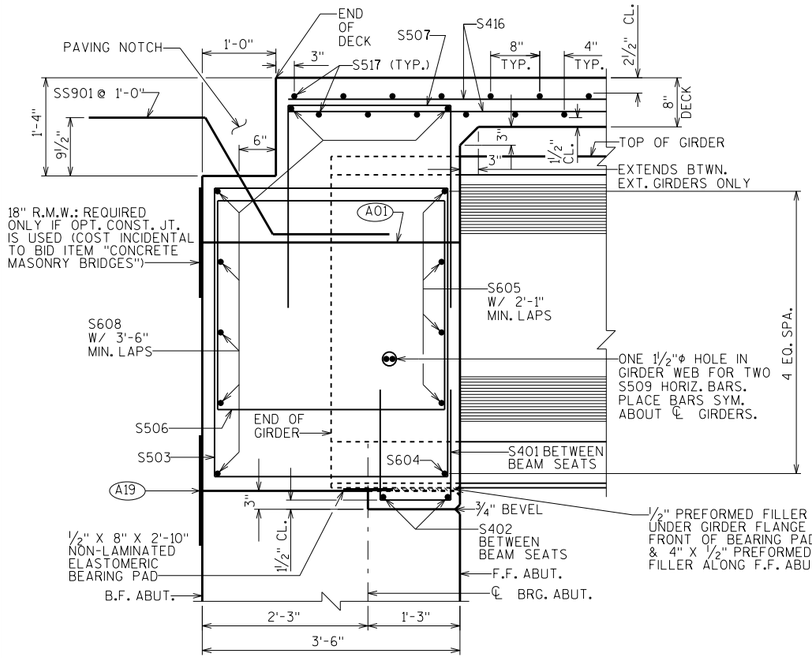
SCALE = 2.33

8

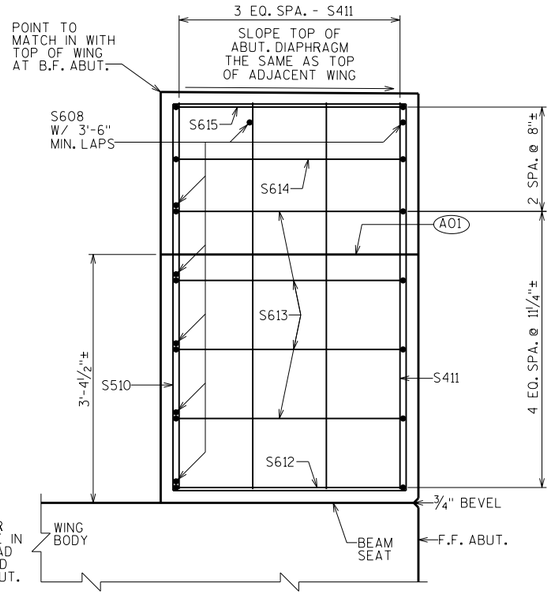
8

STATE PROJECT NUMBER

1020-07-81

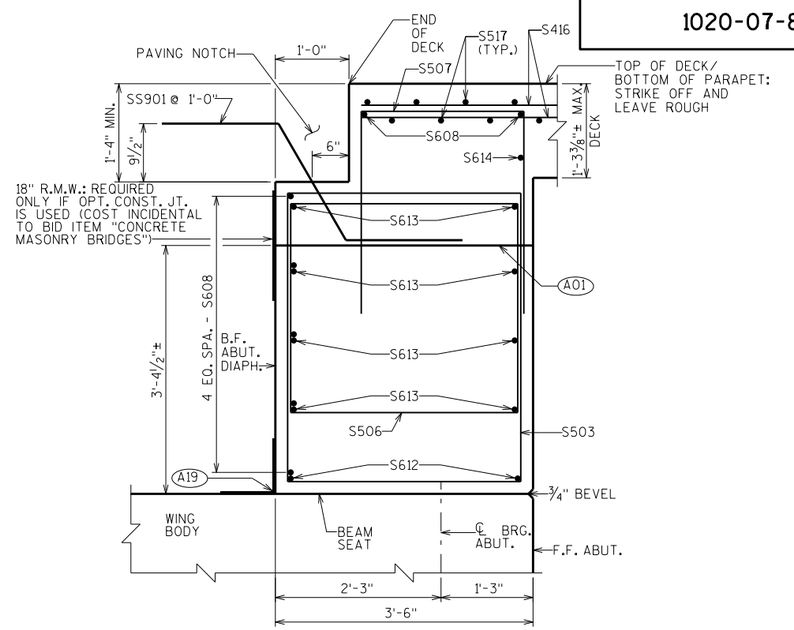


CROSS SECTION THRU ABUTMENT DIAPHRAGMS BETWEEN EXTERIOR GIRDERS

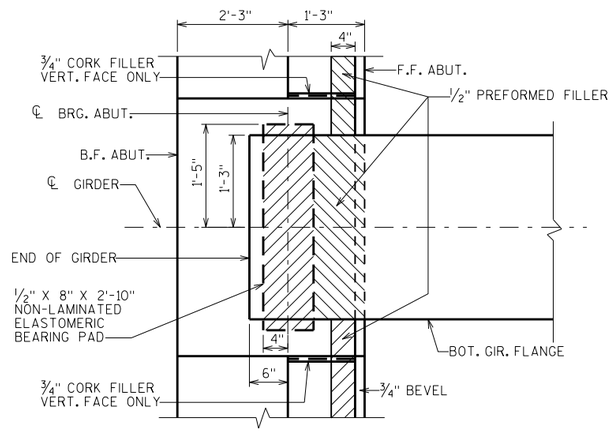


OUTSIDE ELEVATION VIEW OF DIAPHRAGM END

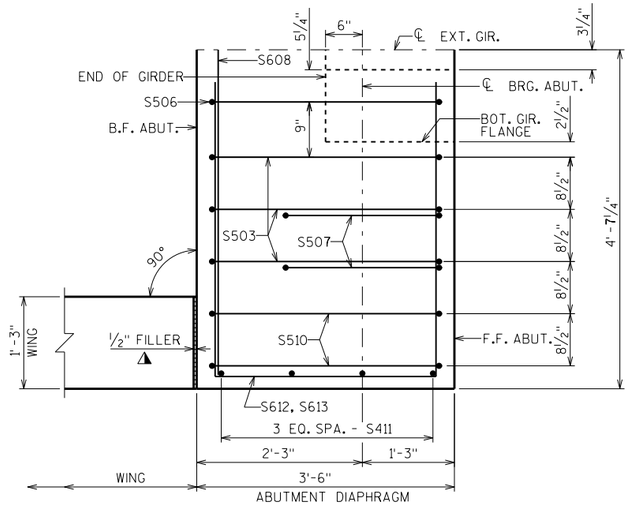
(TYP. AT ALL CORNERS)



CROSS SECTION THRU ABUTMENT DIAPHRAGMS AT EXTERIOR OF GIRDERS UNDER PARAPETS

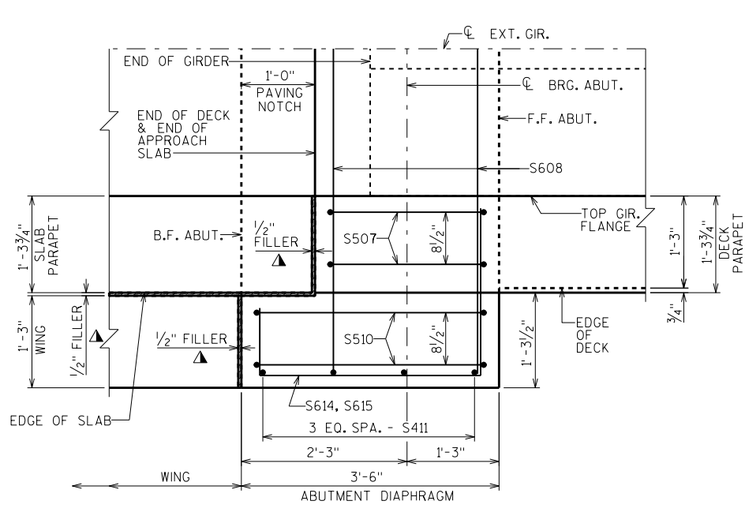


PLAN VIEW AT ABUTMENTS



DIAPHRAGM CORNER DETAIL

(TYPICAL AT ALL CORNERS)
(SECTION BELOW PAVING NOTCH)



DIAPHRAGM CORNER DETAIL

(TYP. AT ALL CORNERS)
(PLAN VIEW)

NOTE:
SEE "SUPERSTRUCTURE BAR DETAILS" SHEET FOR THE 'BILL OF BARS' AND BAR DETAILS.

⚠ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING, GRAY AND NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A01) OPTIONAL CONSTRUCTION JOINT 1'-2" BELOW TOP OF GIRDER. IF USED, DECK POUR MUST BE WITHIN 2 WEEKS FROM THE TIME OF THE DIAPHRAGM POUR.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-252

DRAWN BY JPH | PLANS CK'D. MJK

ABUTMENT DIAPHRAGMS

SHEET 13

352

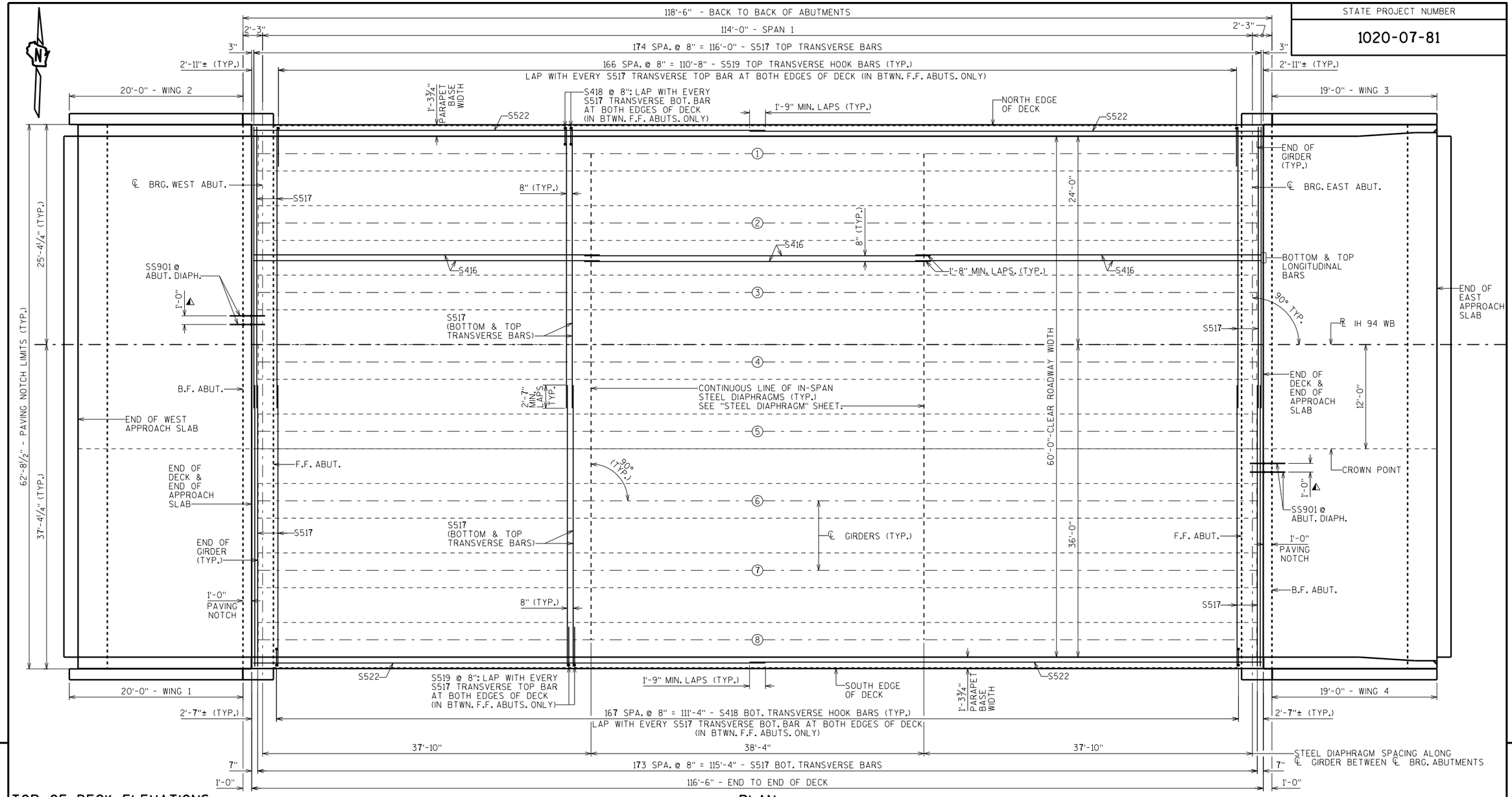
8

8

SCALE = 1.00

STATE PROJECT NUMBER

1020-07-81

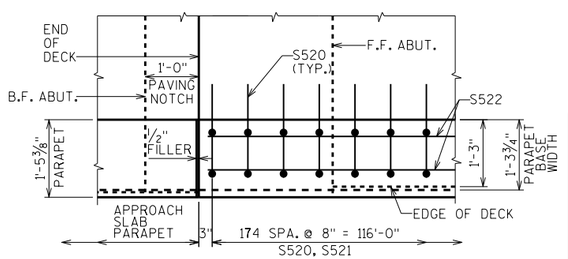


PLAN

TOP OF DECK ELEVATIONS

EOD = EDGE OF DECK

	℄ BRG. W. ABUT	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	℄ BRG. E. ABUT	
NORTH EOD	1017.03	1016.96	1016.89	1016.82	1016.75	1016.68	1016.61	1016.54	1016.47	1016.40	1016.33	NORTH EOD
℄ GIRDER 1	1017.07	1017.00	1016.93	1016.86	1016.79	1016.72	1016.65	1016.58	1016.51	1016.44	1016.37	℄ GIRDER 1
℄ GIRDER 2	1017.23	1017.16	1017.09	1017.02	1016.95	1016.88	1016.81	1016.74	1016.67	1016.60	1016.53	℄ GIRDER 2
℄ GIRDER 3	1017.39	1017.32	1017.25	1017.18	1017.11	1017.04	1016.97	1016.90	1016.83	1016.76	1016.69	℄ GIRDER 3
℞ IH 94 WB	1017.51	1017.44	1017.37	1017.30	1017.23	1017.16	1017.09	1017.02	1016.95	1016.88	1016.81	℞ IH 94 WB
℄ GIRDER 4	1017.55	1017.48	1017.41	1017.34	1017.27	1017.20	1017.13	1017.06	1016.99	1016.92	1016.85	℄ GIRDER 4
℄ GIRDER 5	1017.71	1017.64	1017.57	1017.50	1017.43	1017.36	1017.29	1017.22	1017.15	1017.08	1017.01	℄ GIRDER 5
CROWN PT.	1017.75	1017.68	1017.61	1017.54	1017.47	1017.40	1017.33	1017.26	1017.19	1017.12	1017.05	CROWN PT.
℄ GIRDER 6	1017.63	1017.56	1017.49	1017.42	1017.35	1017.28	1017.21	1017.14	1017.07	1017.00	1016.93	℄ GIRDER 6
℄ GIRDER 7	1017.47	1017.40	1017.33	1017.26	1017.19	1017.12	1017.05	1016.98	1016.91	1016.84	1016.77	℄ GIRDER 7
℄ GIRDER 8	1017.31	1017.24	1017.17	1017.10	1017.03	1016.96	1016.89	1016.82	1016.75	1016.68	1016.61	℄ GIRDER 8
SOUTH EOD	1017.27	1017.20	1017.13	1017.06	1016.99	1016.92	1016.85	1016.78	1016.71	1016.64	1016.57	SOUTH EOD



PARTIAL PLAN OF PARAPET REINFORCEMENT

(TYP. @ ALL FOUR END OF DECK PARAPET CORNERS)

▲ SEE "STRUCTURAL APPROACH SLABS" SHEET FOR ENTIRE SS901 BAR SPACING

◯ INDICATES GIRDER NUMBER

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-252

DRAWN BY JPH | PLANS CK'D. MJK

SUPERSTRUCTURE PLAN

SHEET 14

353

SCALE = 5.50

STATE PROJECT NUMBER

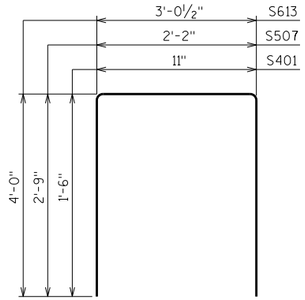
1020-07-81

BILL OF BARS

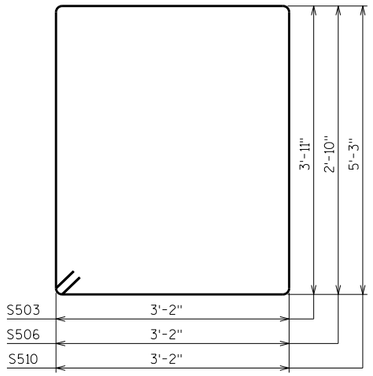
NOTE:
THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
S401	X	70	3'-9"	X		ABUT. DIAPHS.-F.F.-BOT.-VERT.-BTWN. BEAM SEATS
S402	X	28	4'-2"			ABUT. DIAPHS.-F.F.-BOT.-HORIZ.-BTWN. BEAM SEATS
S503	X	124	14'-10"	X		ABUT. DIAPHS.-VERTICAL-UNDER PAVING NOTCHES
S604	X	14	5'-2"			ABUT. DIAPHS.-F.F.-BOT.-HORIZ.-BTWN. GIRS ONLY
S605	X	112	4'-8"			ABUT. DIAPHS.-F.F.-HORIZ.-BTWN. GIRS ONLY
S506	X	32	12'-8"	X		ABUT. DIAPHS.-VERT.-UNDER GIR. TOP FLANGES
S507	X	92	7'-5"	X		ABUT. DIAPHS./DECK-VERT.-BETWEEN EXT. GIRDERS ONLY
S608	X	28	34'-3"			ABUT. DIAPHS. B.F. & DECK-HORIZ.
S509	X	32	6'-0"			ABUT. DIAPHS.-HORIZ.-THRU GIRDERS
S510	X	8	17'-6"	X		ABUT. DIAPHS.-VERTICAL-AT ALL FOUR GIR. EXTERIOR CORNERS
S411	X	16	5'-3"			ABUT. DIAPH.-VERT.-AT ALL FOUR GIR. EXTERIOR CORNERS
S612	X	4	9'-4"	X		ABUT. DIAPHS.-BOT.-HORIZ.-AT ALL FOUR GIR. EXTERIOR CORNERS
S613	X	16	10'-9"	X		ABUT. DIAPHS.-HORIZ.-AT ALL FOUR GIR. EXTERIOR CORNERS
S614	X	4	5'-11"	X		ABUT. DIAPHS.-HORIZ.-AT ALL FOUR GIR. EXTERIOR CORNERS
S615	X	4	5'-0"	X		ABUT. DIAPHS.-TOP-HORIZ.-AT ALL FOUR GIR. EXTERIOR CORNERS
S416	X	573	39'-11"			DECK-TOP & BOTTOM-HORIZONTAL-LONGITUDINAL
S517	X	698	32'-5"			DECK-TOP & BOTTOM-HORIZONTAL-TRANSVERSE
S418	X	336	3'-2"	X		DECK-BOT.-TRANSVERSE-BOTH EDGES-BTWN. F.F. ABUTS.
S519	X	334	5'-2"	X		DECK-TOP-TRANSVERSE-AT BOTH EDGES OF DECK
S520	X	350	4'-5"	X		PARAPETS/DECK-VERTICAL-TRANSVERSE-AT BOTH SIDES
S521	X	350	6'-8"	X		PARAPETS-VERTICAL-TRANSVERSE-AT BOTH SIDES
S522	X	32	59'-0"			PARAPETS-BOTH FACES-HORIZ.-LONGIT.-AT BOTH SIDES
SS901		124	5'-0"	X		APPROACH SLAB/ABUT. DIAPH.-VERT.-AT PAVING NOTCHES

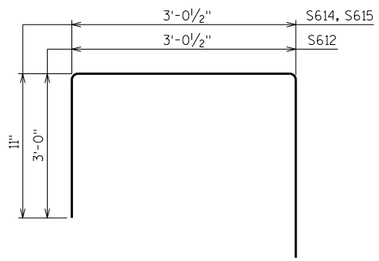
SS901 — STAINLESS STEEL REINFORCEMENT



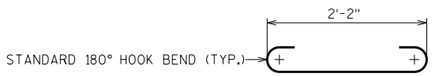
S401 S507 S613



S503 S506 S510
(STIRRUP BARS)



S612 S614 S615



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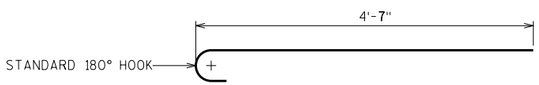

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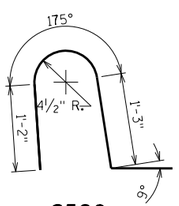

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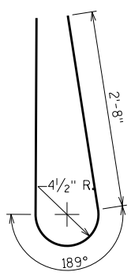

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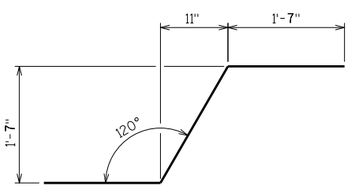


SS901

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-252

DRAWN BY JPH | PLANS CK'D. MJK

SUPERSTRUCTURE BAR DETAILS

SHEET 15

354

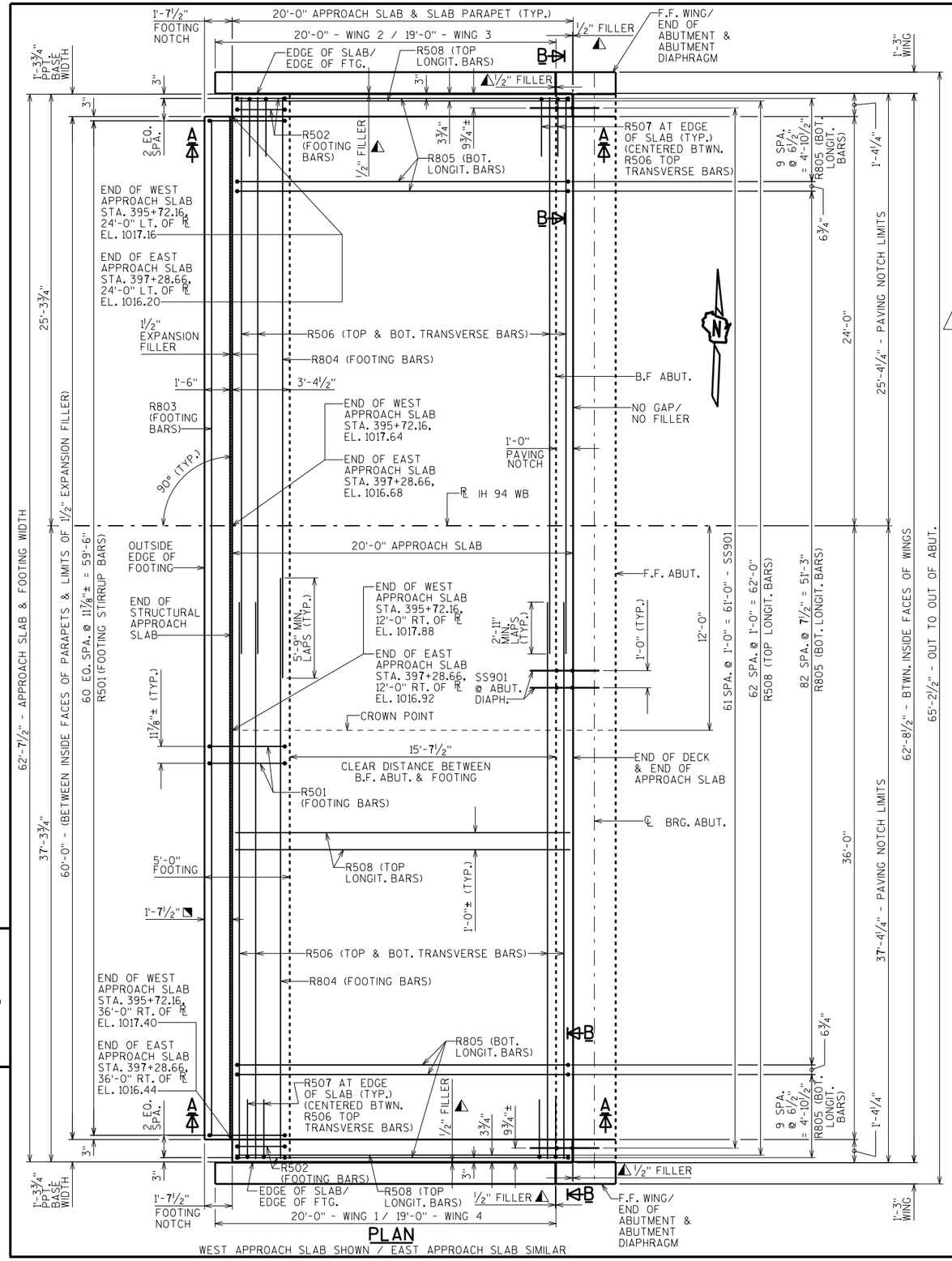
SCALE = 1.00

8

8

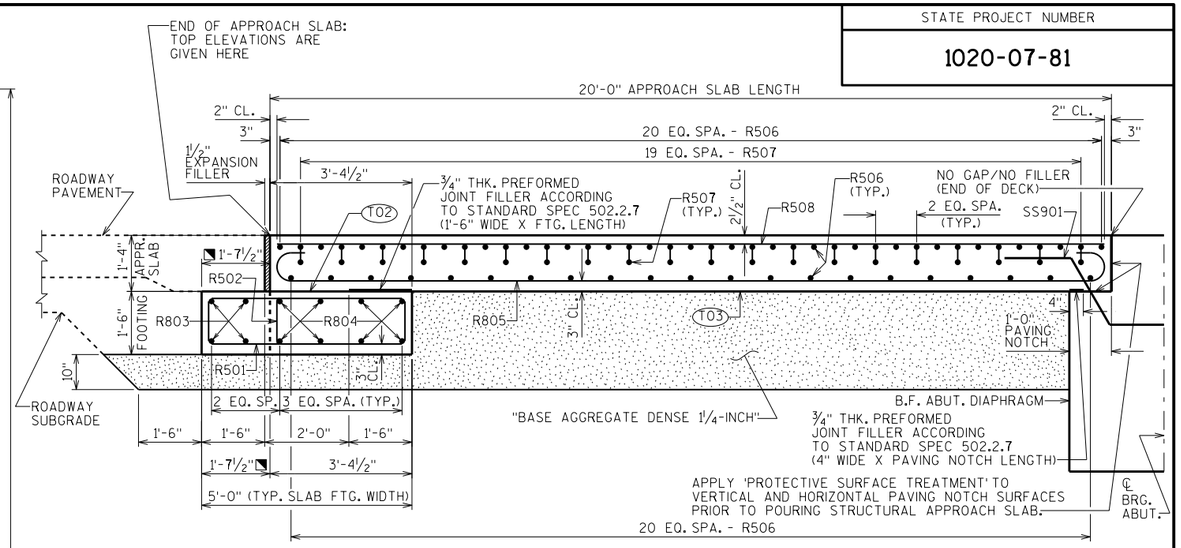
STATE PROJECT NUMBER

1020-07-81



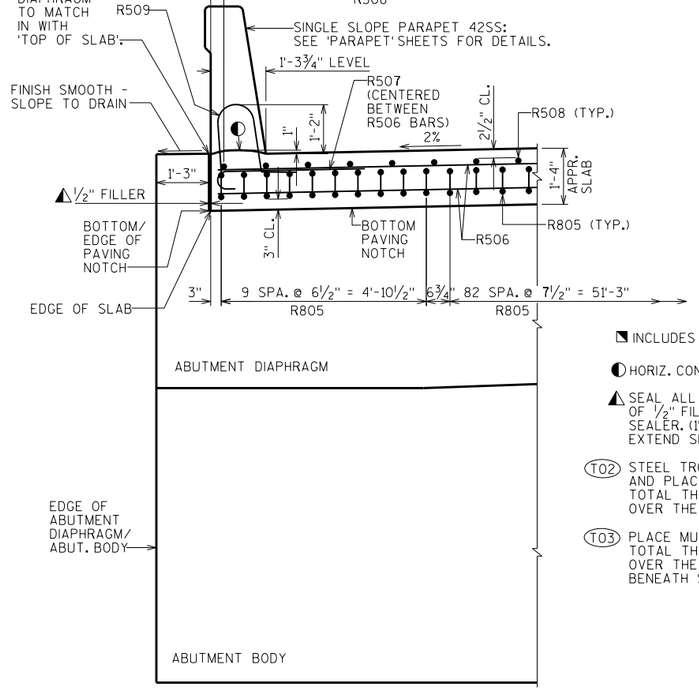
PLAN

WEST APPROACH SLAB SHOWN / EAST APPROACH SLAB SIMILAR



SECTION A-A THRU APPROACH SLAB

WEST APPROACH SLAB SHOWN/
EAST APPROACH SLAB SIMILAR



SECTION B-B (EDGE OF SLAB DETAIL)

◥ INCLUDES 1½" EXPANSION FILLER

◐ HORIZ. CONST. JOINT: STRIKE OFF AND LEAVE ROUGH AS SHOWN

◭ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE FOOTING.

(T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF SUBGRADE BENEATH SLAB.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-252

DRAWN BY JPH | PLANS CK'D. MJK

STRUCTURAL APPROACH SLABS

SHEET 16

355

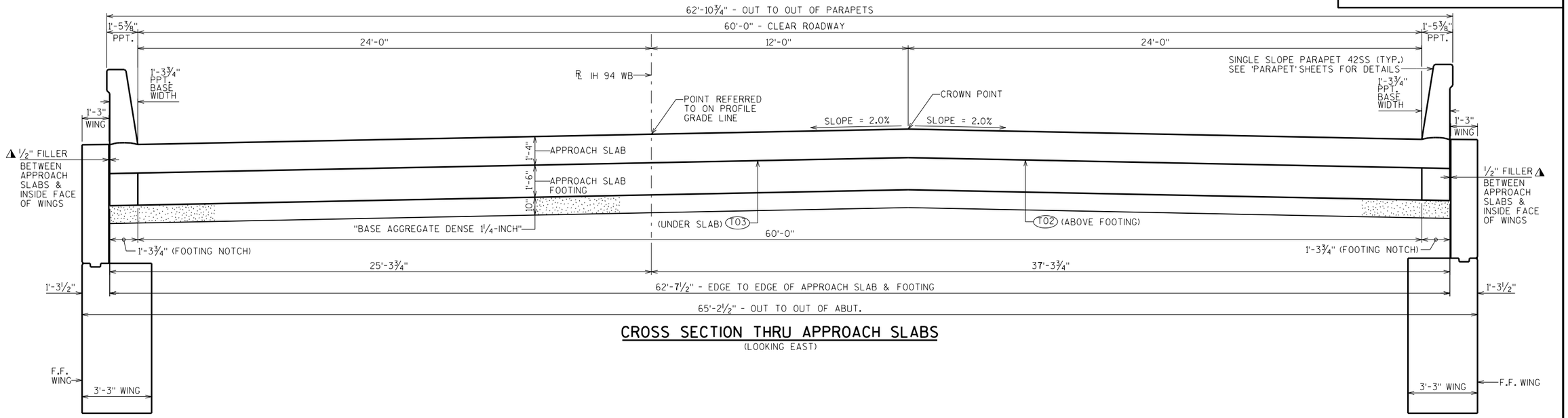
SCALE = 3.50

8

8

STATE PROJECT NUMBER

1020-07-81



CROSS SECTION THRU APPROACH SLABS

(LOOKING EAST)

NOTE:
SEE "STRUCTURAL APPROACH SLAB BAR DETAILS" SHEET FOR THE 'BILL OF BARS' AND BAR DETAILS.

T02 STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE FOOTING.

T03 PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF SUBGRADE BENEATH SLAB.

⚠SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-252

DRAWN BY JPH | PLANS CK'D. MJK

STRUCTURAL APPROACH SLAB CROSS SECTION

SHEET 17

356

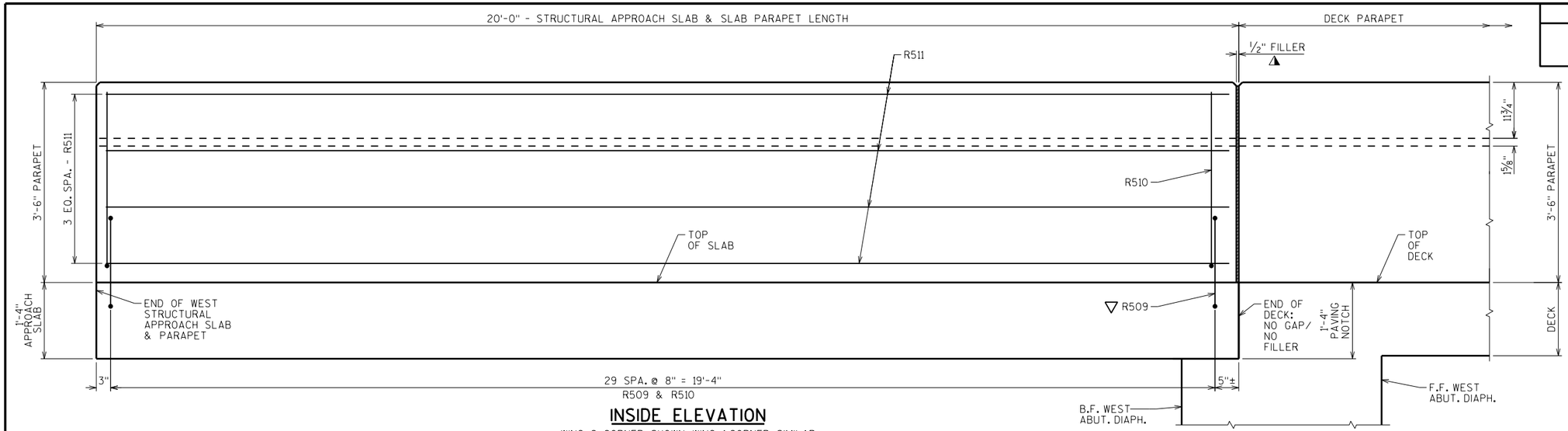
SCALE = 2.33

8

8

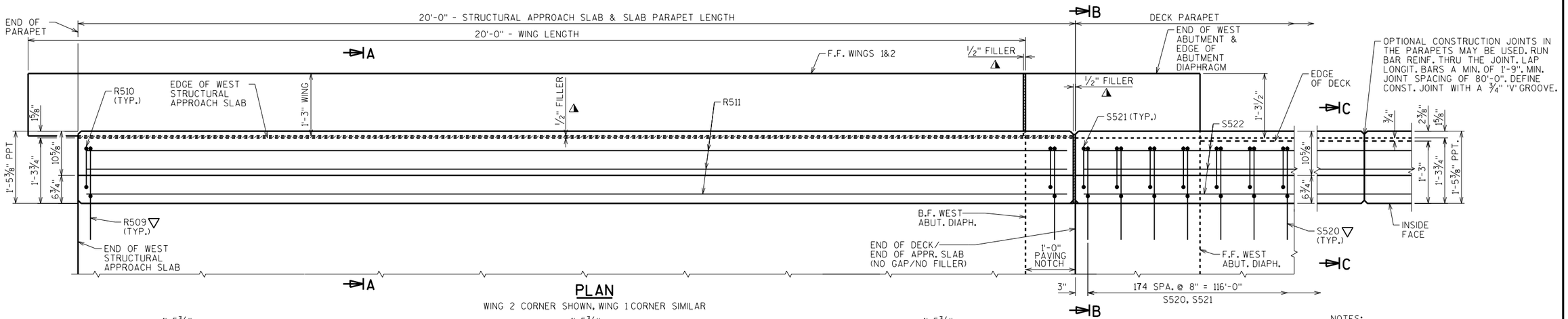
STATE PROJECT NUMBER

1020-07-81



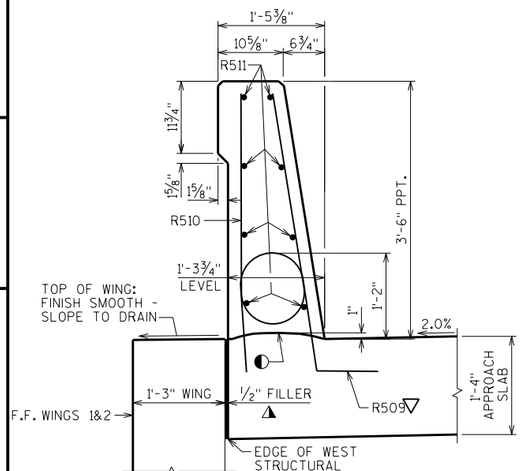
INSIDE ELEVATION

WING 2 CORNER SHOWN, WING 1 CORNER SIMILAR

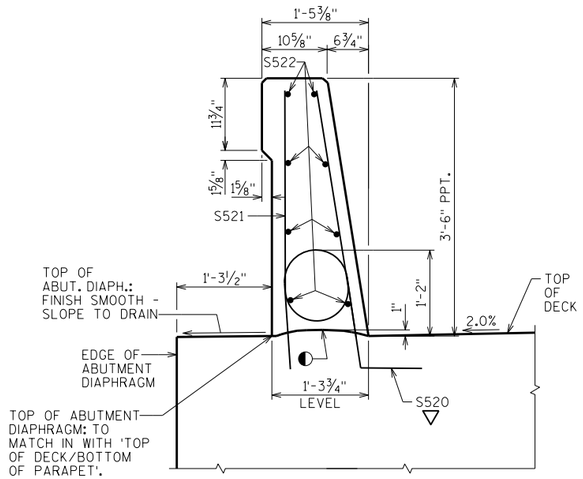


PLAN

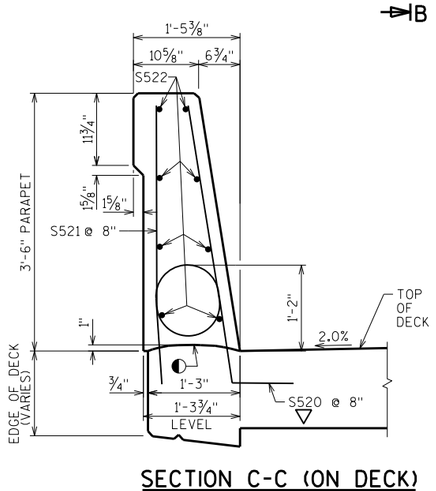
WING 2 CORNER SHOWN, WING 1 CORNER SIMILAR



SECTION A-A



SECTION B-B (OVER ABUT. DIAPH.)



SECTION C-C (ON DECK)

▽ R509 & S520 PARAPET BARS TO BE TIED TO SLAB OR DECK STEEL BEFORE SLAB OR DECK IS POURED.

NOTES:

SEE THE "STRUCTURAL APPROACH SLAB BAR DETAILS" SHEET FOR THE BILL OF BARS AND BAR DETAILS FOR THE SLAB PARAPET R-BARS.

SEE THE "SUPERSTRUCTURE BAR DETAILS" SHEET FOR THE BILL OF BARS AND BAR DETAILS FOR THE DECK PARAPET S-BARS.

◮ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF 1/2" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

◐ HORIZ. CONST. JOINT - STRIKE OFF AS SHOWN AND LEAVE ROUGH.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-252

DRAWN BY JPH | PLANS CK'D. MJK

SINGLE SLOPE PARAPET 42SS (WEST END)

SHEET 18

357

SCALE = 1.00

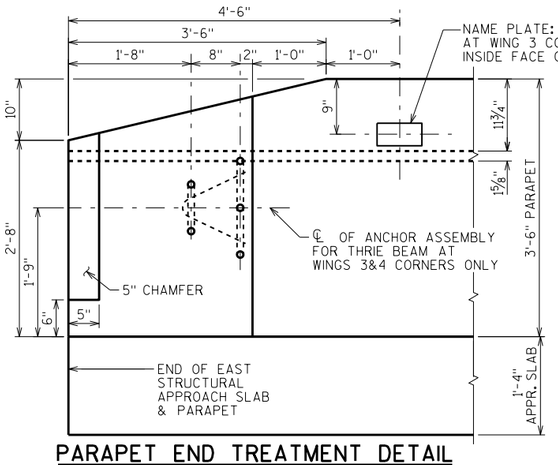
NOTES:

SEE THE "STRUCTURAL APPROACH SLAB BAR DETAILS" SHEET FOR THE BILL OF BARS AND BAR DETAILS FOR THE SLAB PARAPET R-BARS.

SEE THE "SUPERSTRUCTURE BAR DETAILS" SHEET FOR THE BILL OF BARS AND BAR DETAILS FOR THE DECK PARAPET S-BARS.

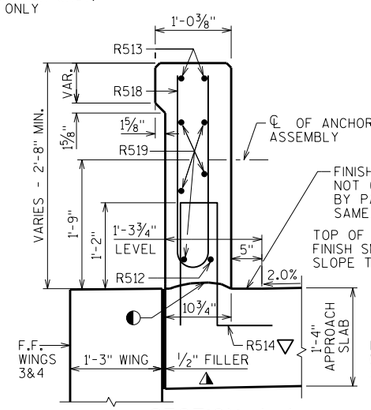
STATE PROJECT NUMBER

1020-07-81

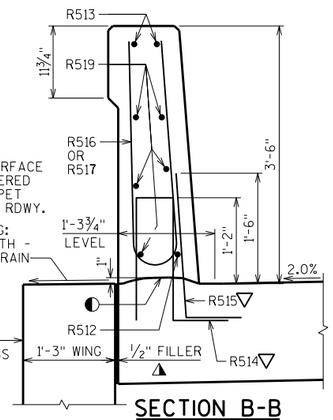


PARAPET END TREATMENT DETAIL

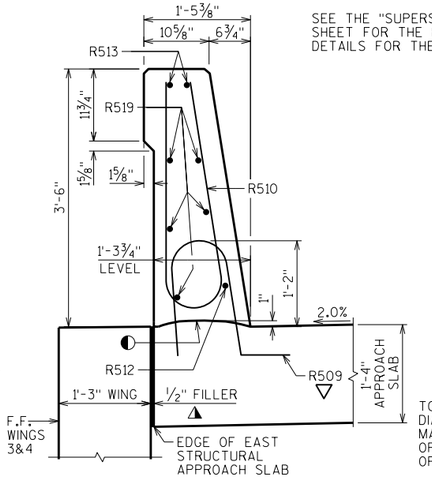
LOOKING AT INSIDE FACE OF BOTH PARAPETS
WING 4 CORNER SHOWN, WING 3 CORNER SIMILAR



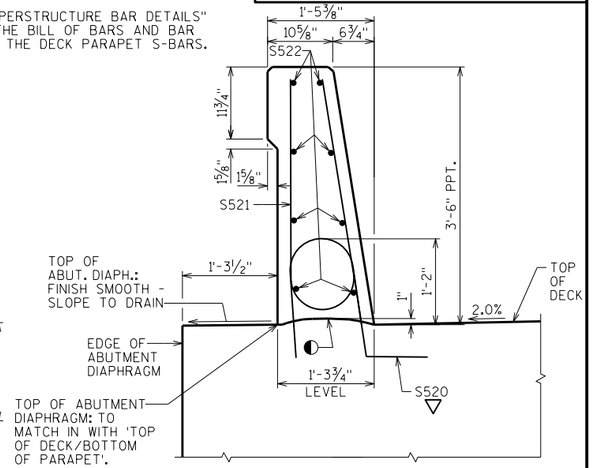
SECTION A-A



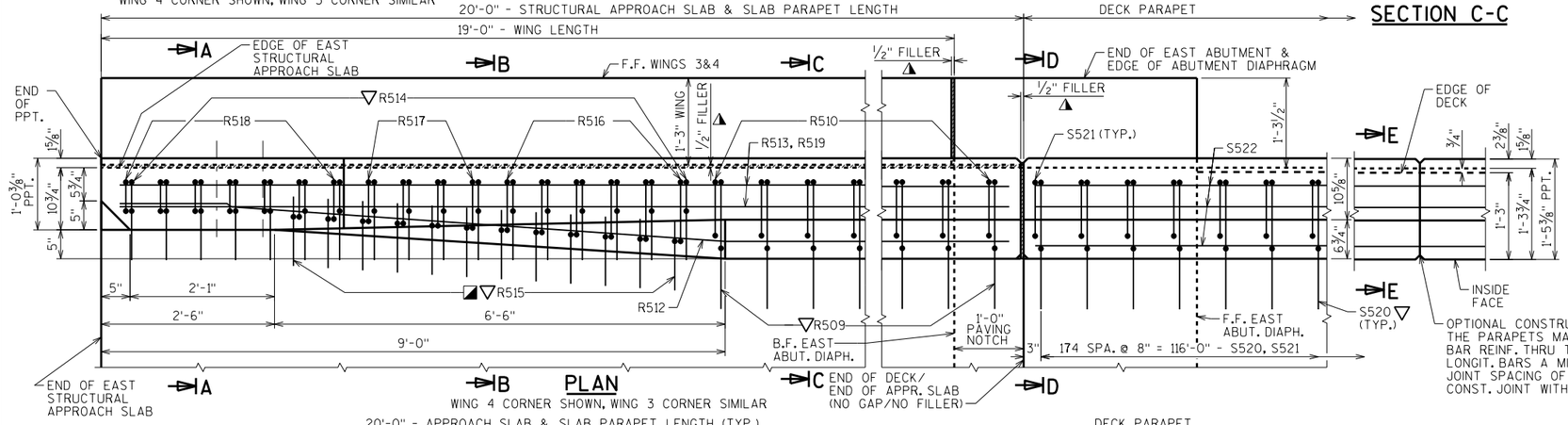
SECTION B-B



SECTION C-C

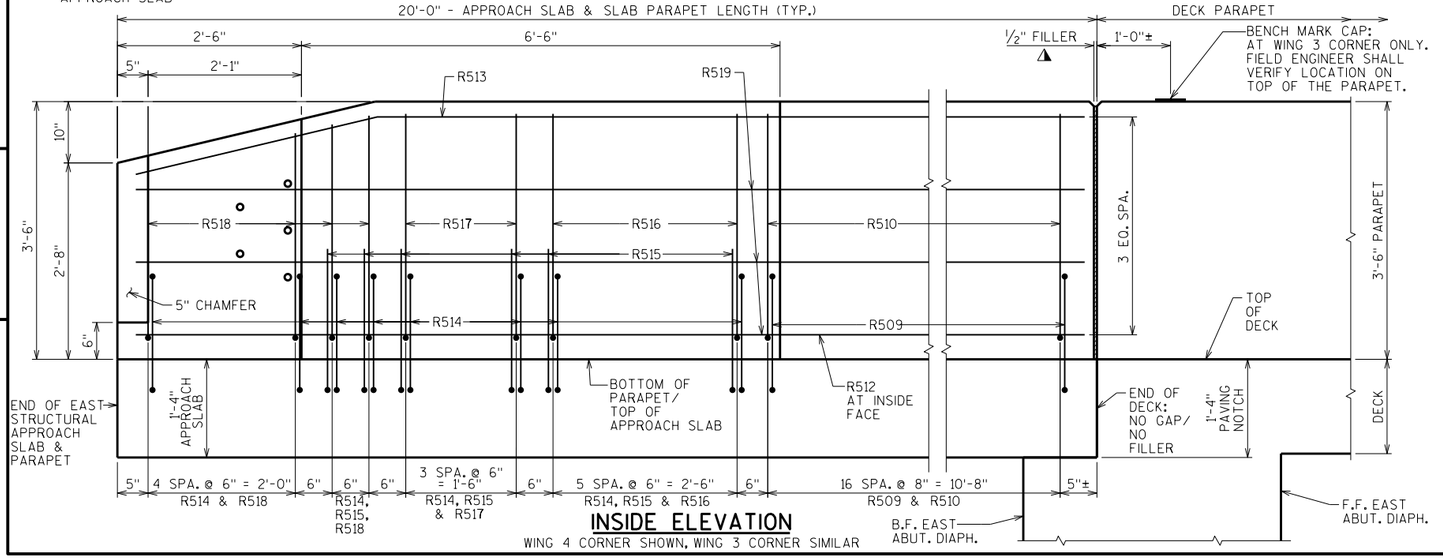


SECTION D-D (OVER ABUT. DIAPH.)



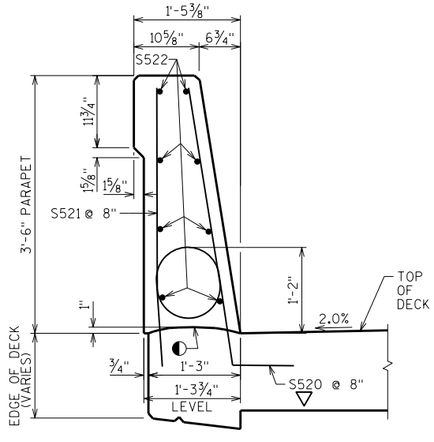
PLAN

WING 4 CORNER SHOWN, WING 3 CORNER SIMILAR

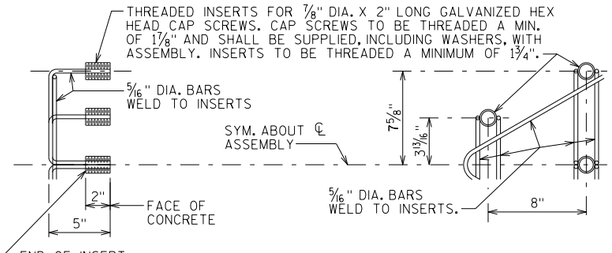


INSIDE ELEVATION

WING 4 CORNER SHOWN, WING 3 CORNER SIMILAR



SECTION E-E (ON DECK)



DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.

▲SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

◐ HORIZ. CONST. JOINT - STRIKE OFF AS SHOWN AND LEAVE ROUGH.

◪ USE CARE TO PLACE R515 BARS CORRECTLY ALONG TRANSITION OF PARAPET.

▽ R509, R514, R515 & S520 PARAPET BARS TO BE TIED TO SLAB OR DECK STEEL BEFORE SLAB OR DECK IS POURED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-252

DRAWN BY JPH | PLANS CK'D. MJK

SINGLE SLOPE PARAPET 42SS (EAST END)

SHEET 19

358

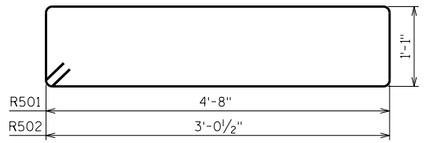
SCALE = 1.00

8

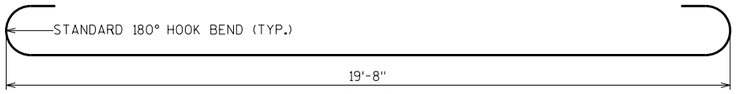
8

STATE PROJECT NUMBER

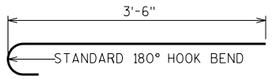
1020-07-81



R501 R502
(STIRRUP BARS)



R805



R507

BILL OF BARS

NOTE:
THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

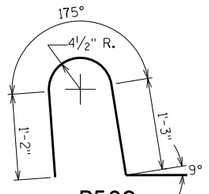
BAR MARK	COAT	NO. REQUIRED. WEST SLAB	NO. REQUIRED. EAST SLAB	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	61	61	12'-2"	X		FOOTING-VERTICAL-STIRRUP BAR-BETWEEN PARAPETS
R502	X	4	4	8'-11"	X		FOOTING-VERTICAL-STIRRUP BAR-AT ENDS ONLY
R803	X	4	4	59'-8"			FOOTING-TOP & BOTTOM-HORIZONTAL-AT OUTSIDE FACE
R804	X	16	16	34'-1"			FOOTING-TOP & BOTTOM-HORIZONTAL-AT INSIDE FACE
R805	X	103	103	21'-6"	X		SLAB-BOTTOM-LONGITUDINAL
R506	X	84	84	32'-8"			SLAB-TOP & BOTTOM-TRANSVERSE
R507	X	40	40	4'-1"	X		SLAB-TOP-TRANSVERSE-AT BOTH EDGES
R508	X	63	63	19'-8"			SLAB-TOP-LONGITUDINAL
R509	X	60	34	4'-5"	X		PARAPETS/SLAB-VERTICAL-AT ALL FOUR PPT. ENDS
R510	X	60	34	6'-8"	X		PARAPETS-VERTICAL-AT ALL FOUR PPT. ENDS
R511	X	16	--	19'-8"			PARAPETS-BOTH FACES-HORIZONTAL-AT WEST PPT. ENDS ONLY
R512	X	--	2	19'-6"	X		PARAPETS-BOT.-INSIDE FACE-HORIZONTAL-AT EAST PPT. ENDS ONLY
R513	X	--	4	19'-6"	X		PARAPETS-TOP-BOTH FACES-VERTICAL-AT EAST PPT. ENDS ONLY
R514	X	--	34	4'-4"	X		PARAPETS/SLAB-VERTICAL-AT EAST PPT. ENDS ONLY
R515	X	--	24	2'-9"	X		PARAPETS/SLAB-INSIDE FACE-VERTICAL-AT EAST PPT. ENDS ONLY
R516	X	--	12	6'-6"	X		PARAPETS-VERTICAL-AT EAST PPT. ENDS ONLY
R517	X	--	8	6'-5"	X		PARAPETS-END-VERTICAL-AT EAST PPT. ENDS ONLY
R518	X	--	14	5'-8"	X	⚠	PARAPETS-END TAPER-VERTICAL-AT EAST PPT. ENDS ONLY
R519	X	--	10	19'-6"			PARAPETS-BOTH FACES-HORIZONTAL-AT EAST PPT. ENDS ONLY

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL BAR LENGTHS.

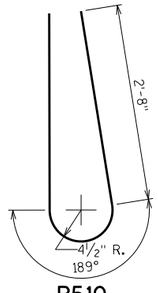
BAR SERIES TABLE

BAR MARK	NUMBER REQUIRED	TOTAL BAR LENGTH
R518	2 SERIES OF 7 BARS	4'-11" TO 6'-4"

BUNDLE AND TAG EACH SERIES SEPARATELY.



R509



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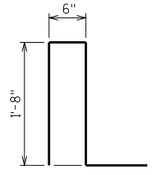

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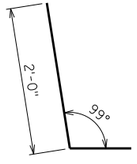

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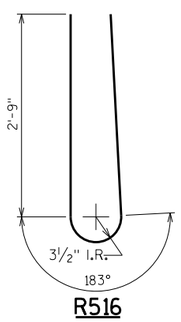

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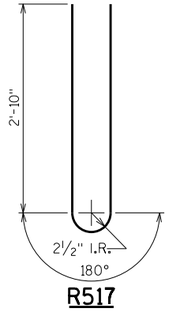

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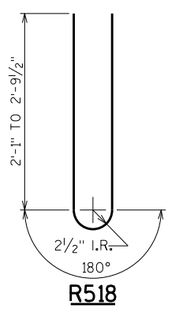

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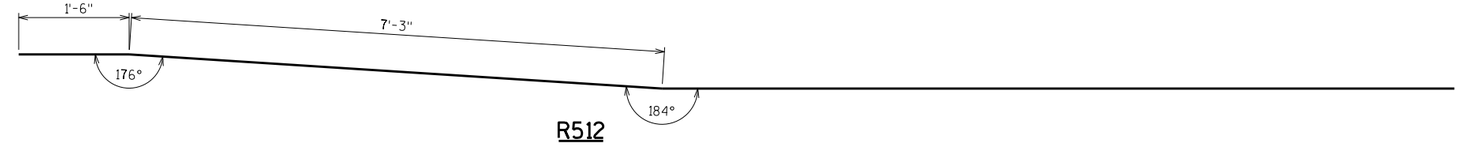

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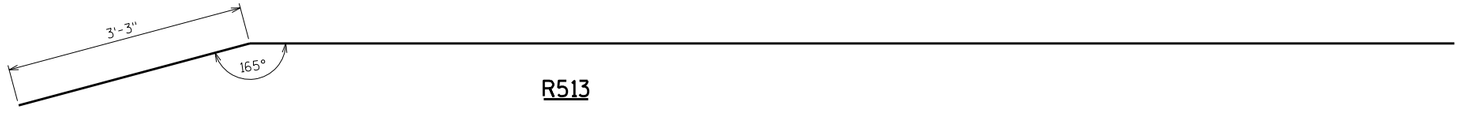


R513

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-252

DRAWN BY JPH | PLANS CK'D. MJK

STRUCTURAL APPROACH SLAB BAR DETAILS

SHEET 20

359

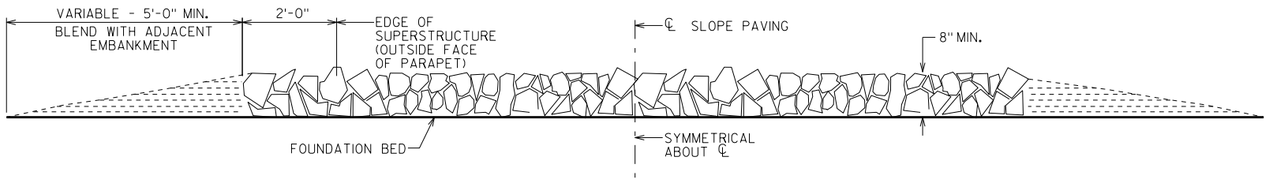
SCALE = 1.00

8

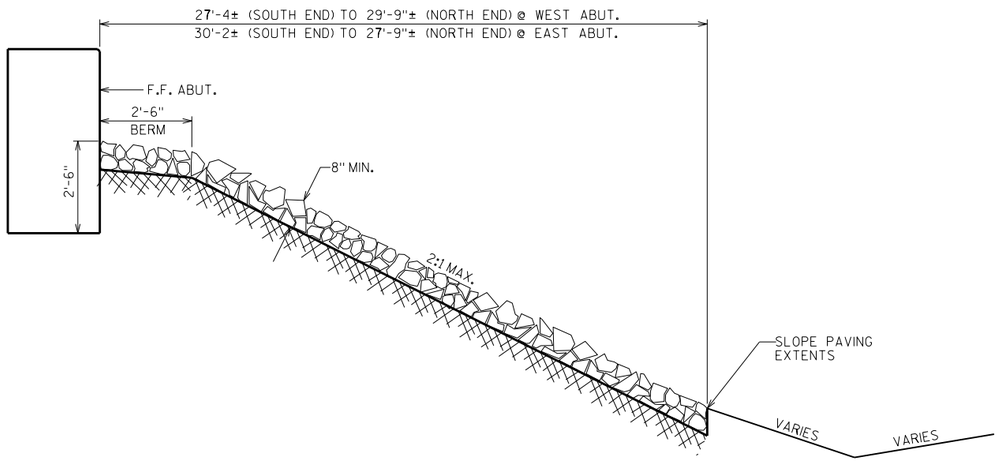
8

STATE PROJECT NUMBER

1020-07-81

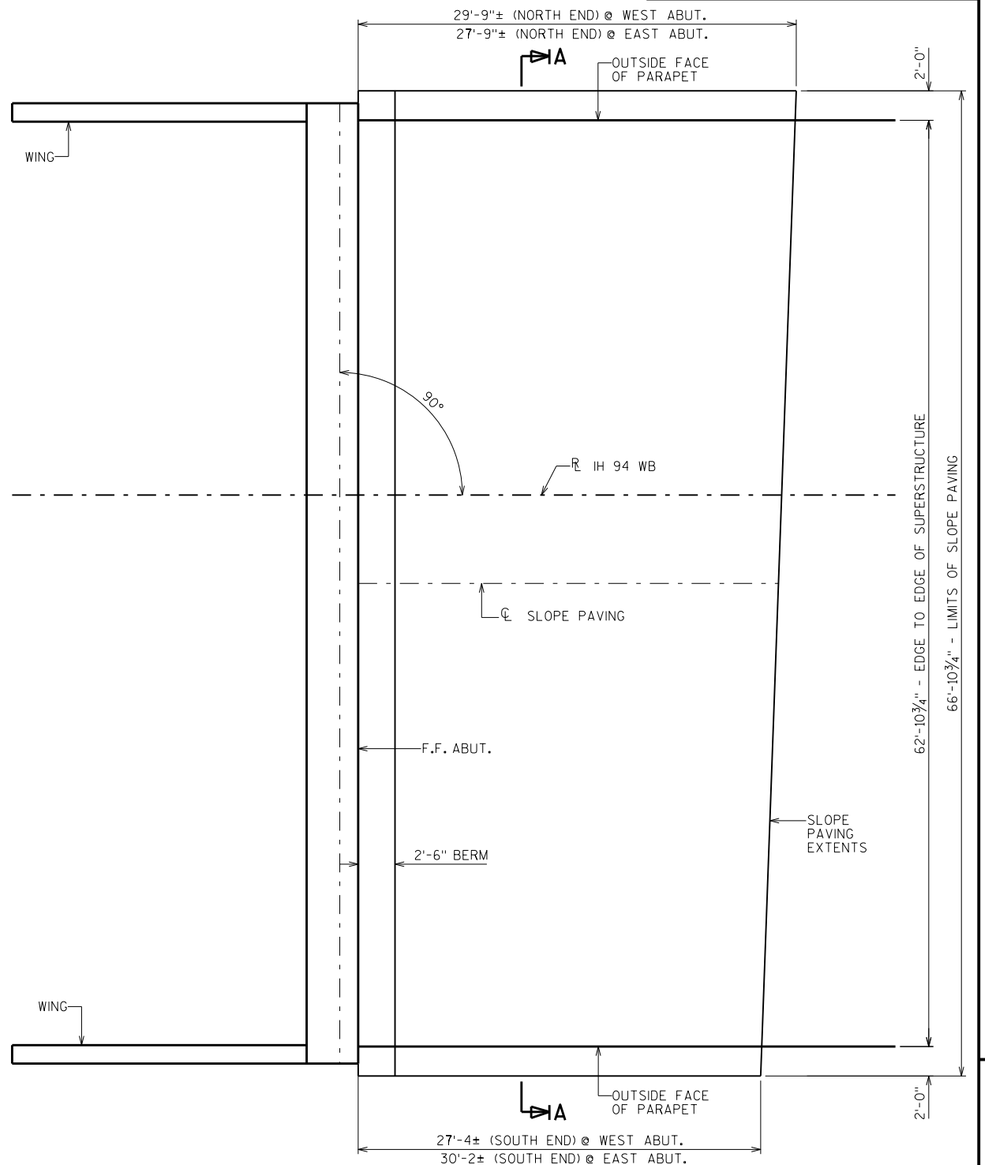


SECTION A-A



CROSS SECTION THRU SELECT CRUSHED MATERIAL AT ABUTMENTS

ASPHALTIC MATERIAL SHALL NOT BE APPLIED TO THE SURFACE OF SELECT CRUSHED MATERIAL



PLAN AT BOTH ABUTMENTS

WEST ABUTMENT SHOWN / EAST ABUTMENT SIMILAR

NOTES

BID ITEM SHALL BE "SLOPE PAVING SELECT CRUSHED MATERIAL"

WOOD FORMS MAY BE LEFT IN PLACE WHEN OF A QUALITY ACCEPTABLE TO THE ENGINEER.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-252

DRAWN BY JPH | PLANS CK'D. MJK

SLOPE PAVING SELECT CRUSHED MATERIAL

SHEET 21

360

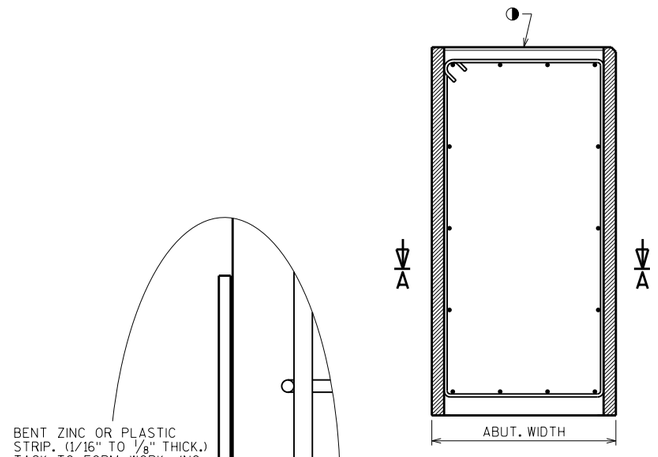
SCALE = 1.00

8

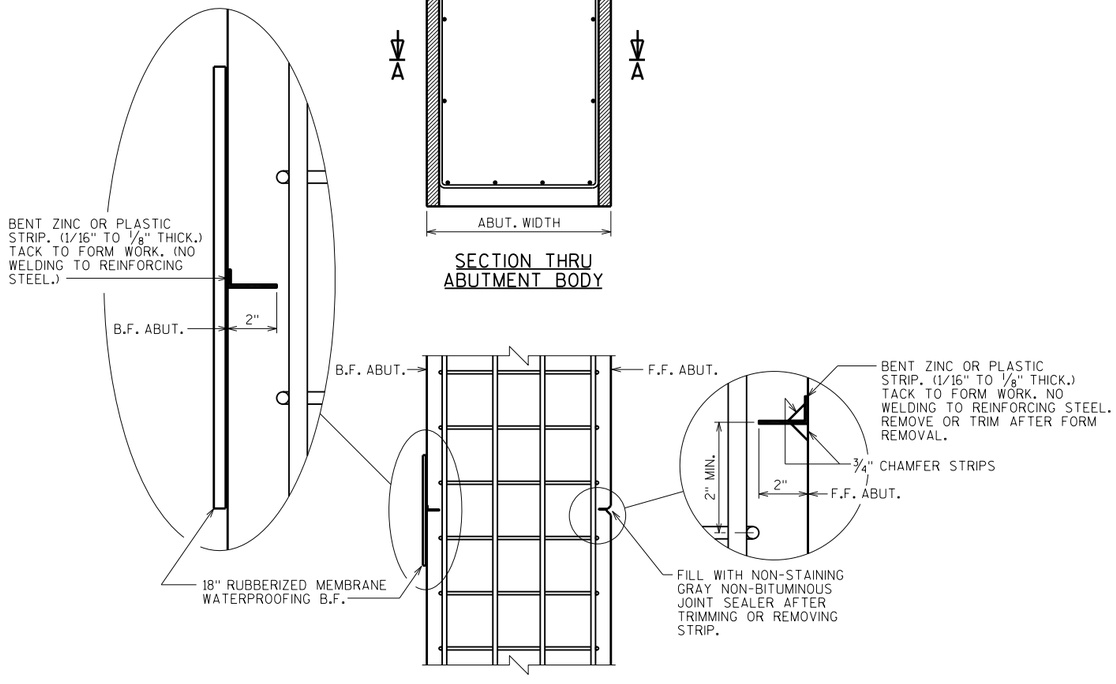
8

STATE PROJECT NUMBER

1020-07-81



SECTION THRU ABUTMENT BODY



SECTION A-A

ALTERNATE CONSTRUCTION JOINT AT ABUTMENT

NOTES

PARTIAL ZINC OR PLASTIC BULKHEAD MAY BE USED AS ALTERNATE CONSTRUCTION JOINT, WITH THE PERMISSION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

VERTICAL CONSTRUCTION JOINT KEYWAY IS NOT REQUIRED WHEN USING ALTERNATE CONSTRUCTION JOINT.

CARE IS TO BE USED IN CASTING CONCRETE AROUND BULKHEAD TO PREVENT DISLOCATION OR MISALIGNMENT OF THE BULKHEAD.

SAW CUTTING JOINT IS NOT ALLOWED.

◑ USE A JOINT TOOL TO CONSTRUCT A CONTRACTION JOINT APPROXIMATELY 1/2" DEEP.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-252

DRAWN BY JPH | PLANS CK'D. MJK

ALTERNATE CONSTRUCTION JOINT

SHEET 22

361

SCALE = 1.00

8

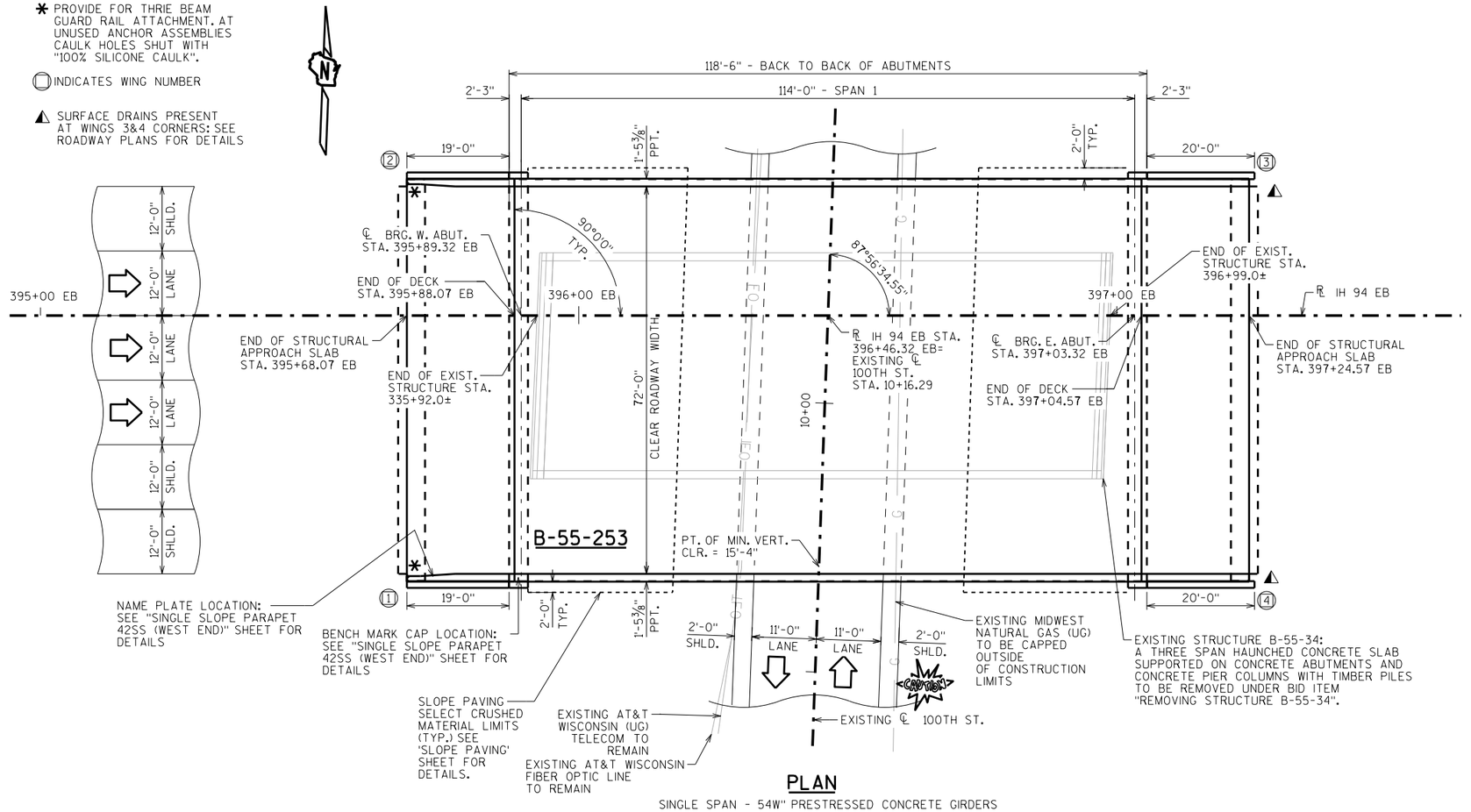
8

STATE PROJECT NUMBER
1020-07-82

✱ PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT. AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

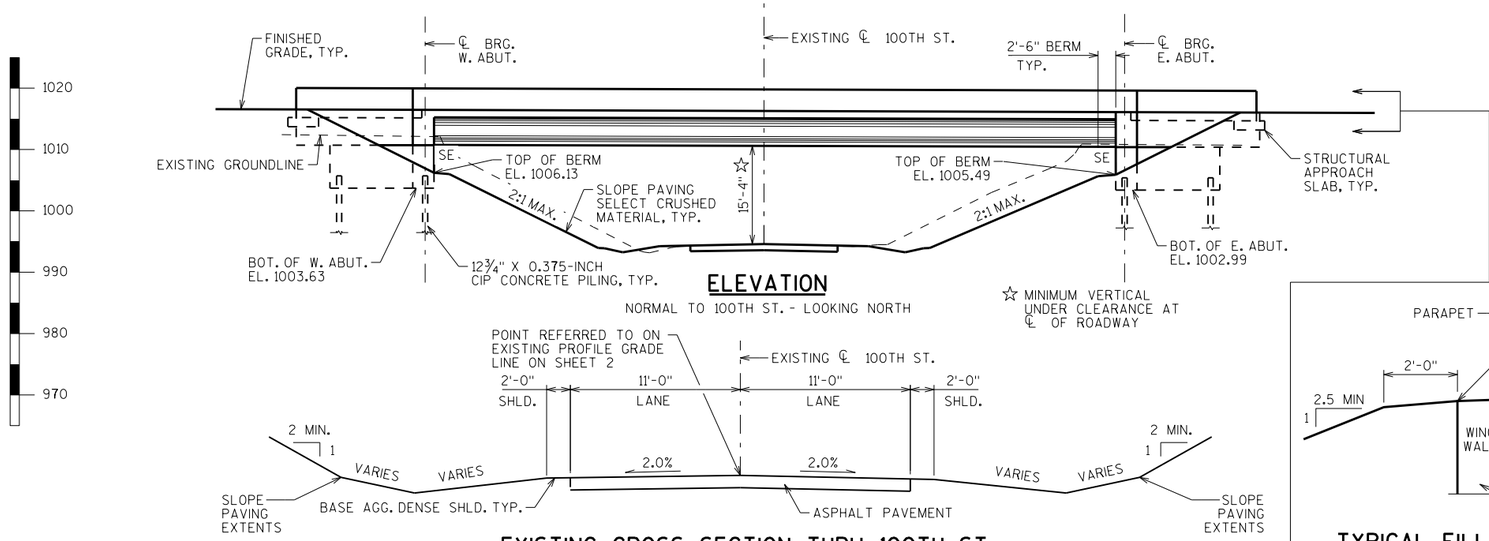
(1) INDICATES WING NUMBER

⚠ SURFACE DRAINS PRESENT AT WINGS 3&4 CORNERS: SEE ROADWAY PLANS FOR DETAILS



PLAN

SINGLE SPAN - 54W" PRESTRESSED CONCRETE GIRDERS

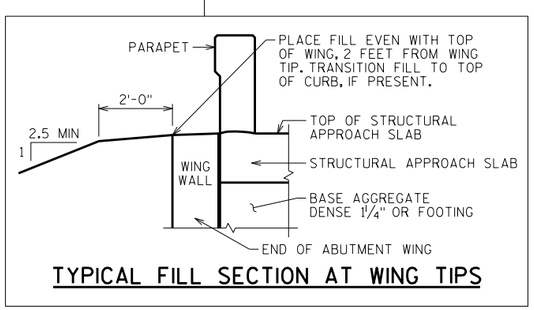


ELEVATION

NORMAL TO 100TH ST. - LOOKING NORTH

EXISTING CROSS SECTION THRU 100TH ST.

NORMAL TO 100TH ST. - LOOKING NORTH



TYPICAL FILL SECTION AT WING TIPS

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.03
OPERATING RATING FACTOR: RF = 1.34
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
SUPERSTRUCTURE & STRUCTURAL APPROACH SLABS — f'c = 4,000 P.S.I.
ALL OTHER — f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT:
GRADE 60 — fy = 60,000 P.S.I.
STAINLESS, GRADE 60 — fy = 60,000 P.S.I.

54W" PRESTRESSED GIRDERS:
CONCRETE MASONRY — f'c = 8,000 P.S.I.
STRANDS: 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON 12¾" X 0.375-INCH CIP CONCRETE PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 140 TONS ✱✱ PER PILE AS DETERMINED BY THE PDA METHOD.
ESTIMATED 55 FEET LONG AT WEST ABUTMENT.
ESTIMATED 65 FEET LONG AT EAST ABUTMENT.

✱✱ THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.65 USING THE PDA METHOD TO DETERMINE DRIVEN PILE CAPACITY.

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. SUBSURFACE EXPLORATION
4. WEST ABUTMENT
5. WEST ABUTMENT DETAILS
6. EAST ABUTMENT
7. EAST ABUTMENT DETAILS
8. 54W" PRESTRESSED GIRDER DETAILS 1
9. 54W" PRESTRESSED GIRDER DETAILS 2
10. STEEL DIAPHRAGM
11. SUPERSTRUCTURE CROSS SECTIONS
12. ABUTMENT DIAPHRAGMS
13. SUPERSTRUCTURE PLAN
14. SUPERSTRUCTURE BAR DETAILS
15. STRUCTURAL APPROACH SLABS
16. STRUCTURAL APPROACH SLAB CROSS SECTION
17. SINGLE SLOPE PARAPET 42SS (WEST END)
18. SINGLE SLOPE PARAPET 42SS (EAST END)
19. STRUCTURAL APPROACH SLAB BAR DETAILS
20. SLOPE PAVING SELECT CRUSHED MATERIAL
21. ALTERNATE CONSTRUCTION JOINT

TRAFFIC VOLUME

IH 94
ADT = 51,800. (2046)
R.D.S. = 70 M.P.H.

100TH ST.
ADT = 400 (2038)
R.D.S. = 50 M.P.H.

STRUCTURE DESIGN CONTACTS:
MAXWELL KULICK (608) 261-6108
DOMINIQUE BECHLE (608) 261-8205

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION — BUREAU OF STRUCTURES

ACCEPTED DMB 04/01/24
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-55-253

IH 94 EB OVER 100TH ST.

COUNTY	TOWN
ST. CROIX	WARREN

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
MJK	SCL	MJK	JPH

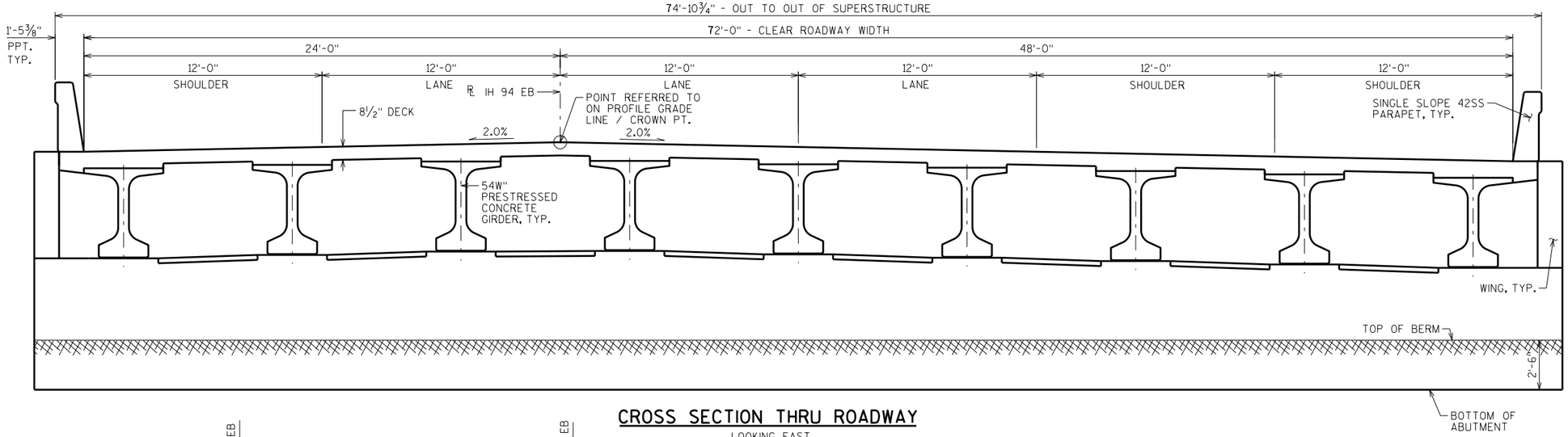
GENERAL PLAN

SHEET 1 OF 21

362

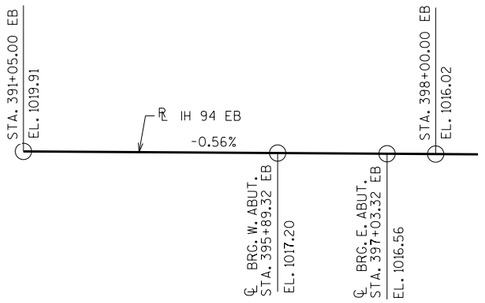
I.D. 1020-07-12A DATE: JUN. 2020

SCALE = 12.00

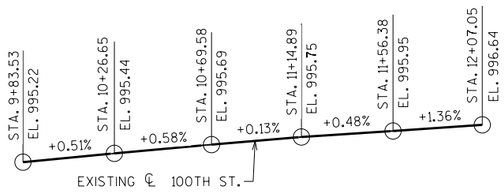


CROSS SECTION THRU ROADWAY

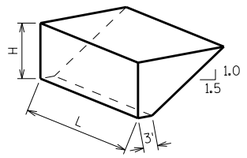
LOOKING EAST



PROFILE GRADE LINE - IH 94 EB



EXISTING PROFILE GRADE LINE - 100TH ST.

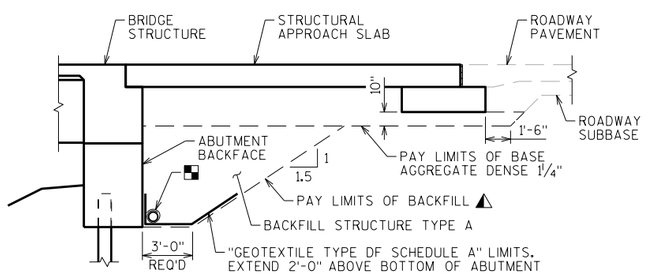


ABUTMENT BACKFILL DIAGRAM FOR WINGS PARALLEL TO ROADWAY

L = OUT TO OUT OF ABUTMENT, INCLUDING WINGS (FT)
H = AVERAGE ABUTMENT FILL HEIGHT (FT)
EF = EXPANSION FACTOR (1.20 FOR CY BID ITEMS AND 1.00 FOR TON BID ITEMS)
V_{CF} = (L)(3.0')(H) + (L)(0.5)(1.5H)(H)
V_{CY} = V_{CF} (EF)/27
V_{TON} = V_{CY} (2.0)

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	W. STRUCT. APP. SLAB	WEST ABUT.	EAST ABUT.	E. STRUCT. APP. SLAB	TOTALS
203.0220	REMOVING STRUCTURE B-55-34	EACH	———	———	———	———	———	1
206.1001	EXCAVATION FOR STRUCTURES BRIDGES B-55-253	EACH	———	———	———	———	———	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	———	———	550	550	———	1,100
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	———	234	———	———	234	468
502.0100	CONCRETE MASONRY BRIDGES	CY	396	99	107	109	99	810
502.3200	PROTECTIVE SURFACE TREATMENT	SY	970	160	———	———	160	1,290
502.3210	PIGMENTED SURFACE SEALER	SY	115	20	———	———	20	155
503.0155	PRESTRESSED GIRDER TYPE I 54W-INCH	LF	1,035	———	———	———	———	1,035
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	———	———	6,405	6,475	———	12,880
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	60,520	16,765	3,070	3,280	16,630	100,265
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	2,520	———	———	———	———	2,520
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	18	———	———	———	———	18
506.4000	STEEL DIAPHRAGMS B-55-253	EACH	16	———	———	———	———	16
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	———	———	20	20	———	40
550.2126	PILING CIP CONCRETE 12 3/4 X 0.375-INCH	LF	———	———	1,100	1,300	———	2,400
604.0600	SLOPE PAVING SELECT CRUSHED MATERIAL	SY	———	———	276	284	———	560
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	———	———	150	150	———	300
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	2	———	———	———	———	2
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	———	———	74	74	———	148
SPV.0060	PILE DYNAMIC ANALYZER (PDA) TESTING	EACH	———	———	2	2	———	4
SPV.0060	PILE DYNAMIC ANALYZER (PDA) RESTRIKES	EACH	———	———	2	2	———	4
SPV.0060	CASE PILE WAVE ANALYSIS PROGRAM (CAPWAP) EVALUATION	EACH	———	———	1	1	———	2
	NON-BID ITEMS							
	FILLER	SIZE	———	———	———	———	———	½", ¾", 1½"



TYPICAL SECTION THRU ABUTMENT

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

▪ PIPE UNDERDRAIN WRAPPED (6 INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.

STATE PROJECT NUMBER

1020-07-82

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES B-55-253" SHALL BE THE EXISTING GROUNDLINE.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A. ALSO EXCLUDED IS THE "BASE AGGREGATE DENSE 1 1/4-INCH" AS DETAILED ON THE STRUCTURAL APPROACH SLAB SHEETS.

EXCAVATION BELOW THE ABUTMENT AND ABUTMENT BEDDING MATERIALS REQUIRES ENGINEER APPROVAL. GEOTEXTILE SHALL BE SET AT THE BOTTOM OF EXCAVATION AND EXTEND 2'-0" ABOVE BOTTOM OF ABUTMENT.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK AND APPROACH SLAB SURFACES AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGMS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS, INCLUDING PARAPETS ON APPROACH SLABS.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON SHEET 1 AND THE ABUTMENT DETAILS.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE "54W" PRESTRESSED GIRDER DETAILS 2" SHEET.

EXISTING STRUCTURE B-55-34 IS A 3-SPAN HAUNCHED CONCRETE SLAB WITH CONCRETE ABUTMENTS AND PIERS SUPPORTED ON TIMBER PILING AND IS TO BE REMOVED.

ANY TEMPORARY SHORING REQUIRED TO CONSTRUCT THE TEMPORARY STRUCTURE WILL BE INCIDENTAL TO BID ITEM "TEMPORARY STRUCTURE STA. 396+50.42 WB" ON B-55-252 PLANS.

THE TEMPORARY STRUCTURE LOCATION AND TEMPORARY STRUCTURE BID ITEM ARE SHOWN ON B-55-252 PLANS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-253

DRAWN BY MJK | PLANS CK'D. JPH

CROSS SECTION & QUANTITIES

SHEET 2

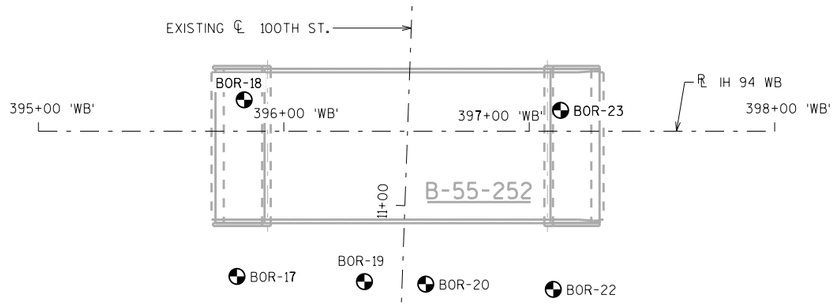
363

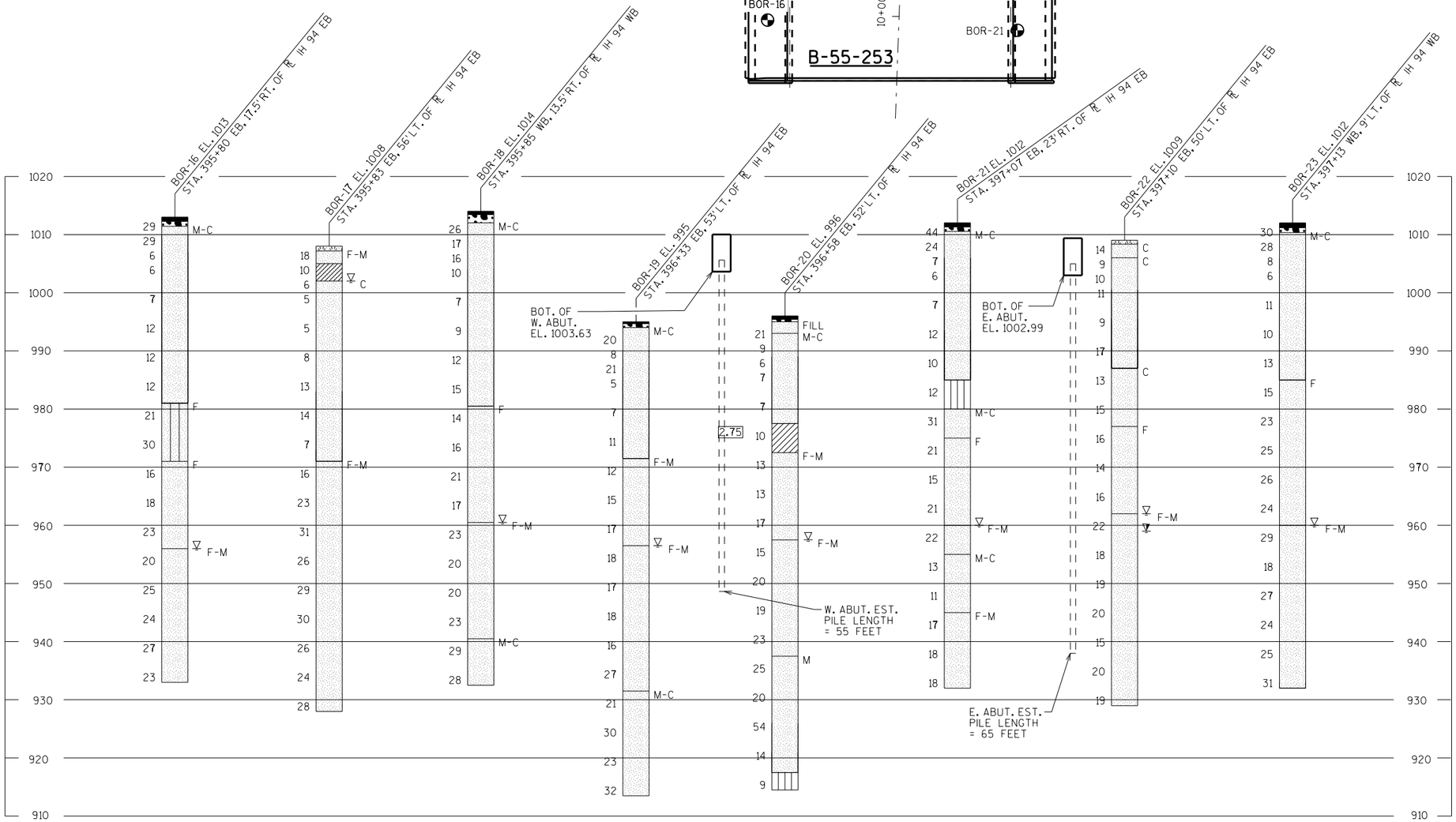
8

8

SCALE = 3.00

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
16	12/10/2018	337095	551888
17	11/07/2018	337168	551888
18	12/06/2018	337241	551888
19	11/20/2018	337168	551940
20	11/19/2018	337168	551965
21	12/12/2018	337095	552017
22	11/06/2018	337168	552017
23	12/06/2018	337241	552017
BORINGS COMPLETED BY: PSI			
REPORT COMPLETED BY: PSI			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) ST CROIX COUNTY			
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT			





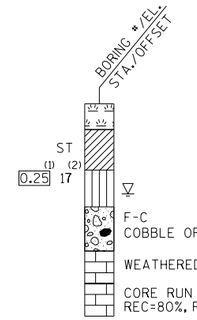
STATE PROJECT NUMBER

1020-07-82

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-253

DRAWN BY TLP/MJK | PLANS CK'D. JPH

SUBSURFACE EXPLORATION

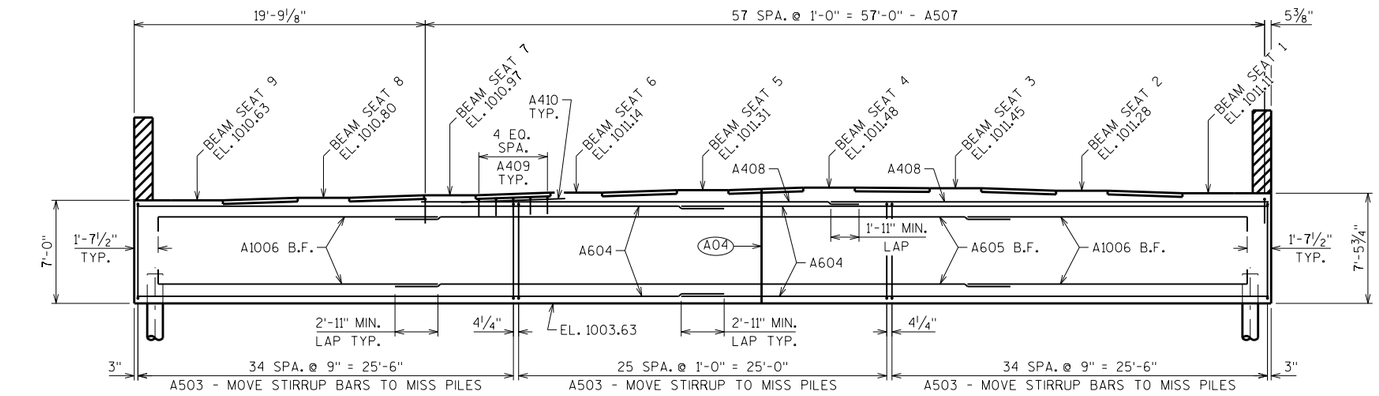
SHEET 3

364

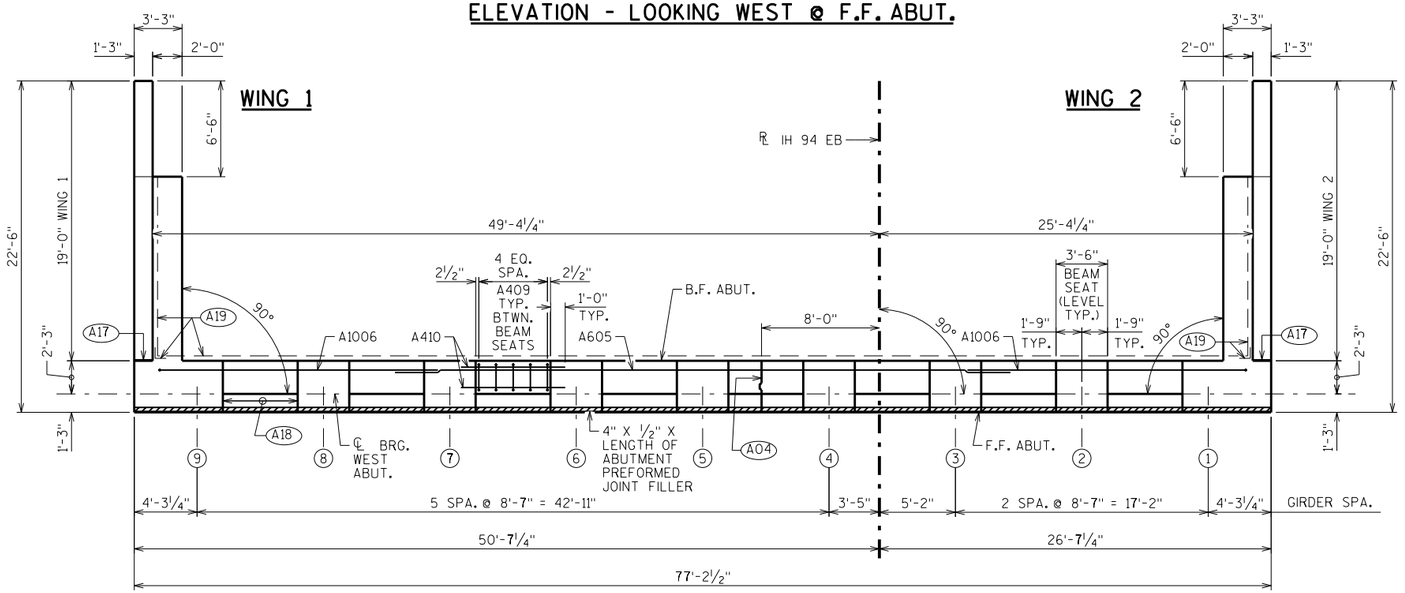
SCALE = 30.00

8

8

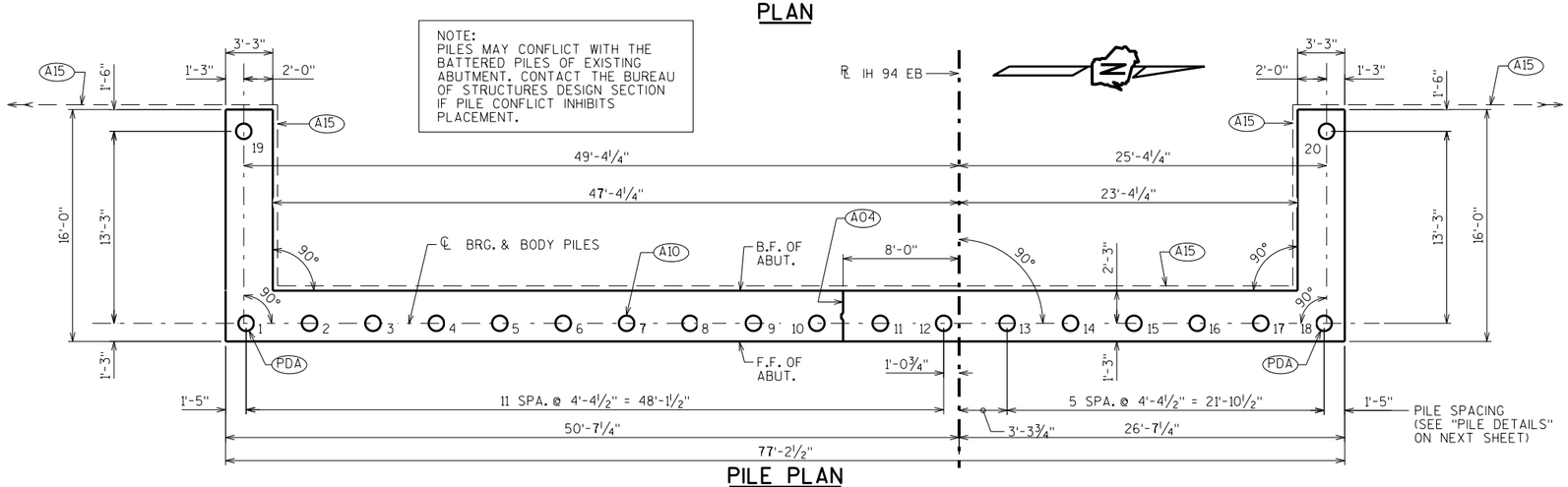


ELEVATION - LOOKING WEST @ F.F. ABUT.



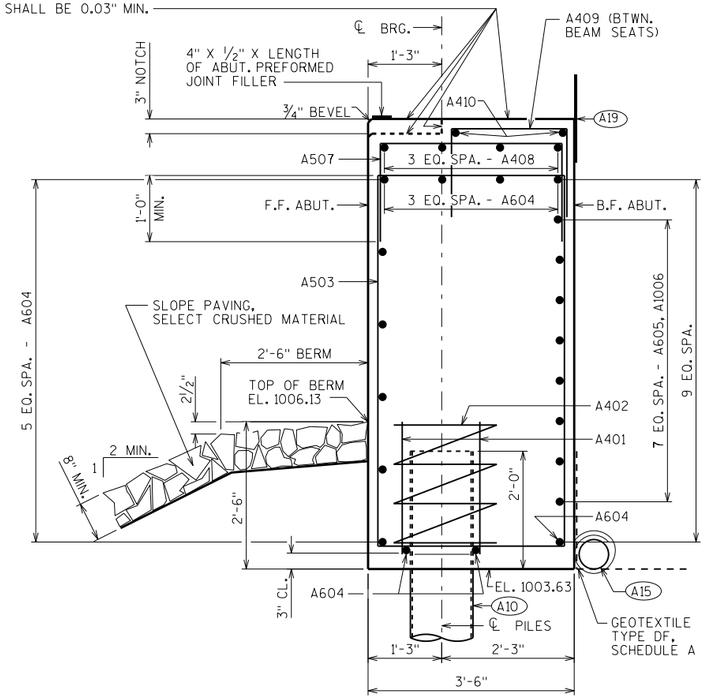
PLAN

NOTE:
PILES MAY CONFLICT WITH THE BATTERED PILES OF EXISTING ABUTMENT. CONTACT THE BUREAU OF STRUCTURES DESIGN SECTION IF PILE CONFLICT INHIBITS PLACEMENT.



PILE PLAN

STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING BEARING PADS. TOTAL THICKNESS OF SHEETS SHALL BE 0.03" MIN.



SECTION THRU BODY

○ INDICATES GIRDER NUMBER

(A04) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 X 8. 3/4" "V" GROOVE @ THE FRONT FACE AND 18" RMW @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

(A10) SUPPORT ABUTMENT ON 12 3/4" DIA. X 0.375" CIP CONCRETE PILING, ESTIMATED 55'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 140 TONS PER PILE. SEE "PILE DETAILS" ON NEXT SHEET.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A18) 3/4" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

(PDA) PILE DYNAMIC ANALYZER TESTING AND RESTRIKES REQUIRED AT THIS PILE.

STATE PROJECT NUMBER

1020-07-82

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-253

DRAWN BY DDS | PLANS CK'D. MJK

WEST ABUTMENT

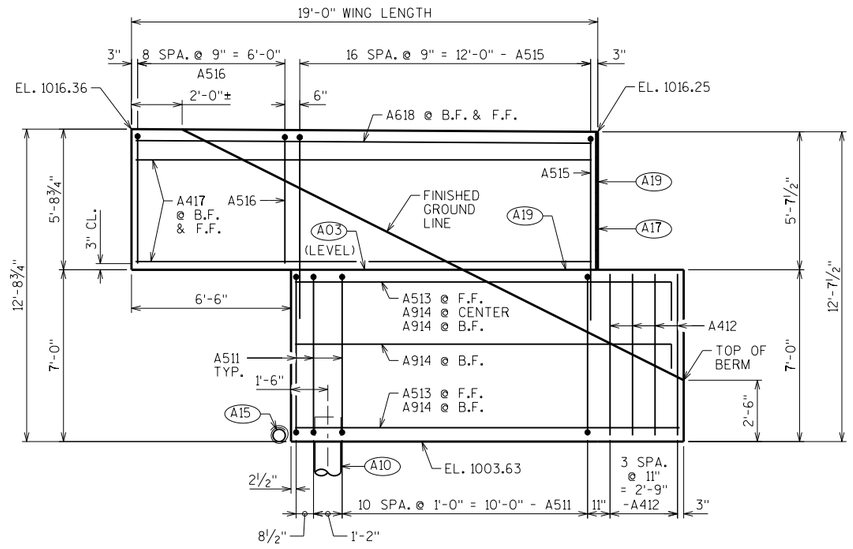
SHEET 4

365

8

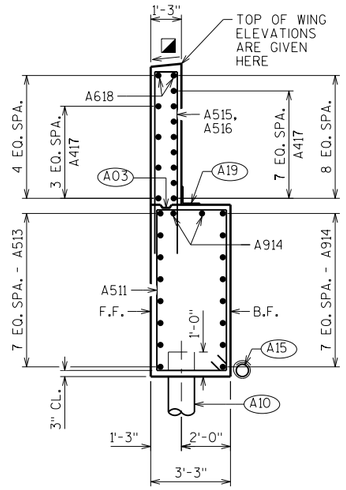
8

SCALE = 5.00

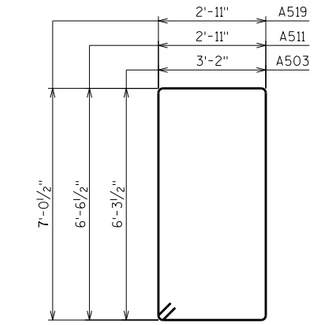


WING 1 ELEVATION LOOKING AT F.F. WING

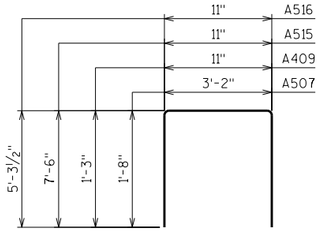
FINISH SMOOTH - SLOPE TO DRAIN



WING 1 SECTION



A503, A511, A519



A507, A409, A515, A516

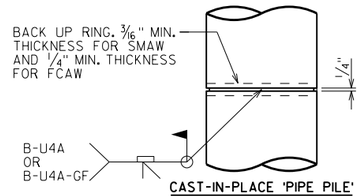
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

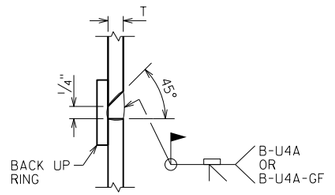
STATE PROJECT NUMBER

1020-07-82

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
A401		36	2'-3"		BODY-BOTTOM-2 PER BODY PILE-VERTICAL
A402		18	28'-0"	X	BODY-BOT.-SPIRAL-1 PER BODY PILE-VERT.
A503		96	19'-7"	X	BODY-STIRRUPS-VERT.
A604		24	39'-11"		BODY-HORIZONTAL
A605		8	41'-10"		BODY-HORIZONTAL-B.F.-AT CENTER
A1006		16	20'-6"	X	BODY-HORIZONTAL-B.F.-AT BOTH ENDS
A507		58	6'-3"	X	BODY-TOP-VERT.-UNDER BEAM SEATS 1-7
A408		8	29'-7"		BODY-TOP-HORIZ.-UNDER BEAM SEATS 1-7
A409		40	3'-3"	X	BODY-TOP-VERT.-BETWEEN BEAM SEATS
A410		16	7'-1"		BODY-TOP-HORIZ.-BETWEEN BEAM SEATS
A511	X	13	19'-7"	X	WING 1-BOT.-STIRRUP-VERT.
A412	X	4	6'-7"		WING 1 F.F./BODY END-BOT.-VERT.
A513	X	16	15'-8"		WINGS 1&2-BOT.-HORIZONTAL-F.F.
A914	X	20	15'-5"	X	WINGS 1&2-BOT.-HORIZONTAL-B.F.
A515	X	34	15'-8"	X	WINGS 1&2-TOP-VERTICAL
A516	X	18	11'-3"	X	WINGS 1&2-TOP-VERTICAL-AT ENDS
A417	X	24	18'-8"		WINGS 1&2-TOP-HORIZONTAL-B.F. & F.F.
A618	X	4	18'-8"		WINGS 1&2-TOP-HORIZONTAL-B.F. & F.F.
A519	X	13	20'-7"	X	WING 2-BOT.-STIRRUP-VERT.
A420	X	4	7'-1"		WING 2 F.F./BODY END-BOT.-VERT.

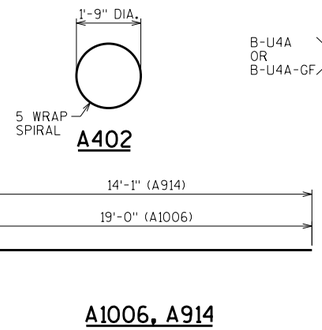


CAST-IN-PLACE 'PIPE PILE'



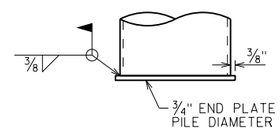
C.I.P. PILE WELD DETAIL

PILE DETAILS

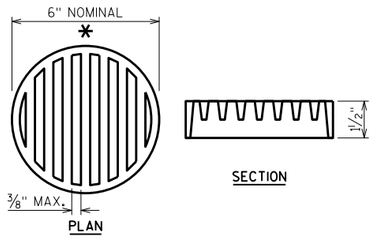


A402

A1006, A914



END PLATE DETAIL



RODENT SHIELD DETAIL

(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2" x 6". (18" RMW @ B.F. & ¾" "V" GROOVE @ F.F. IF JOINT IS USED).

(A10) SUPPORT ABUTMENT ON 12¾" DIA. X 0.375" CIP CONCRETE PILING, ESTIMATED 55'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 140 TONS PER PILE.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

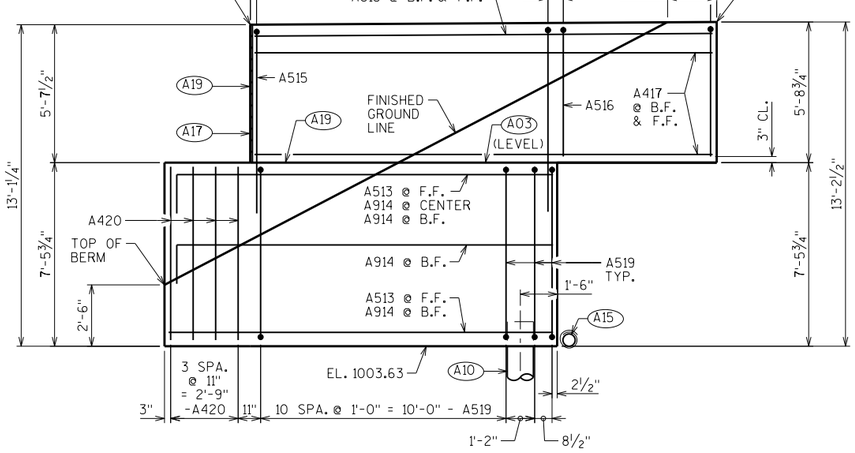
(A17) ½" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

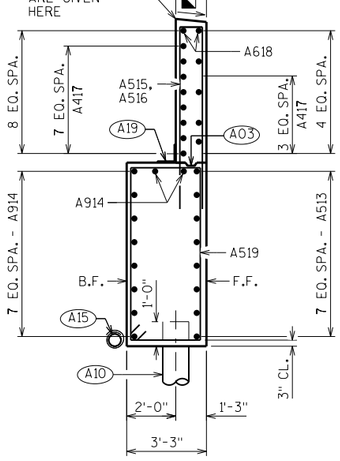
* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



WING 2 ELEVATION LOOKING AT F.F. WING



WING 2 SECTION

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-253

DRAWN BY DDS | PLANS CK'D. MJK

WEST ABUTMENT DETAILS

SHEET 5

366

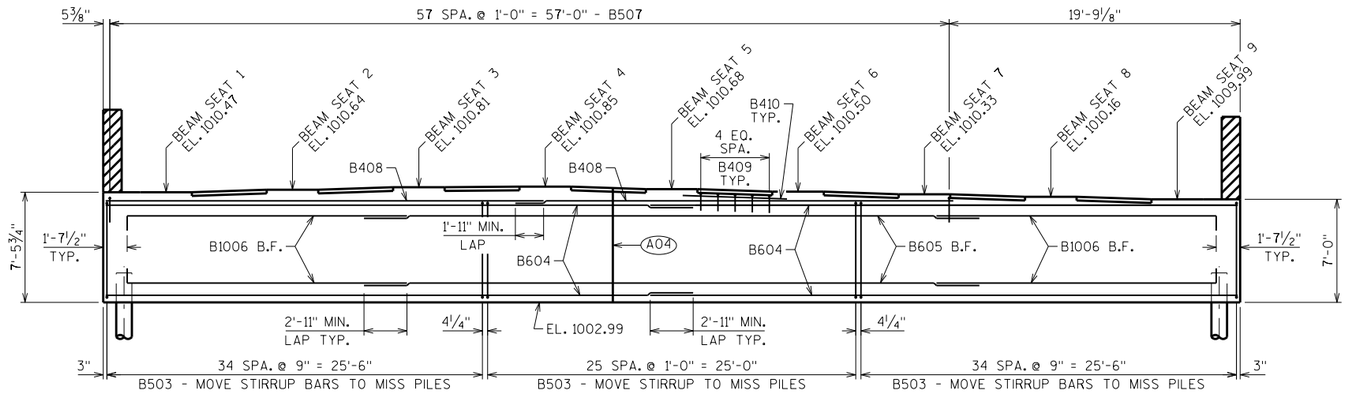
SCALE = 3.00

8

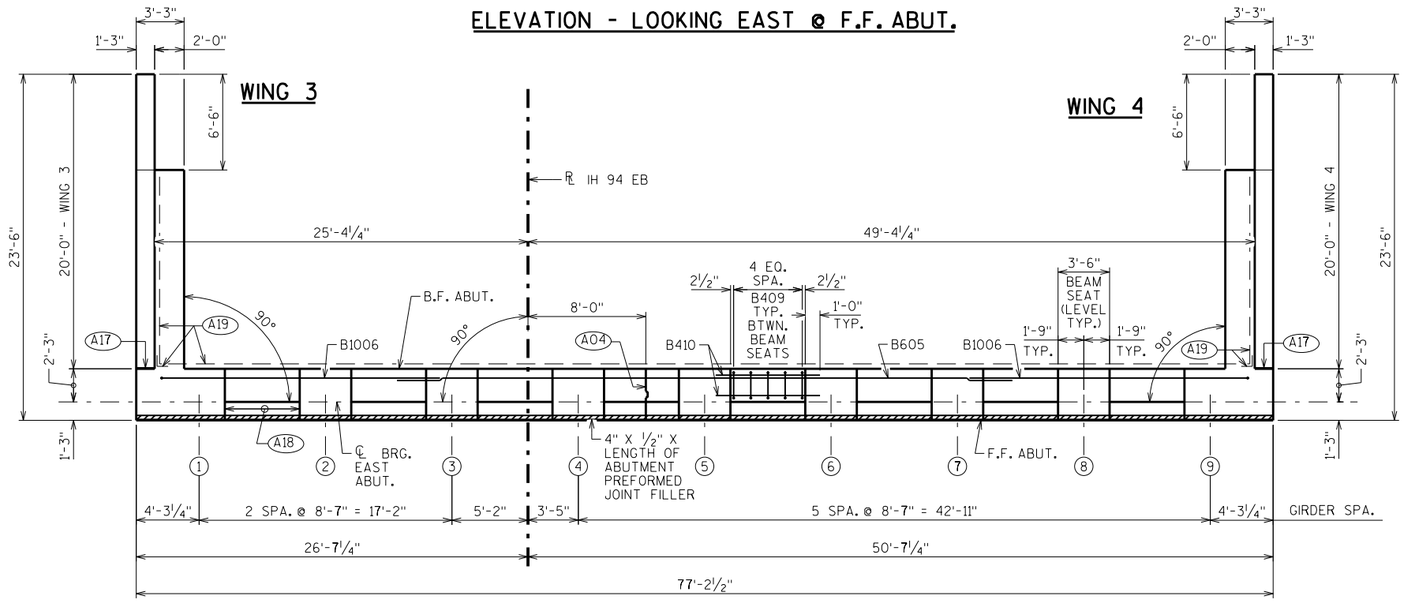
8

STATE PROJECT NUMBER

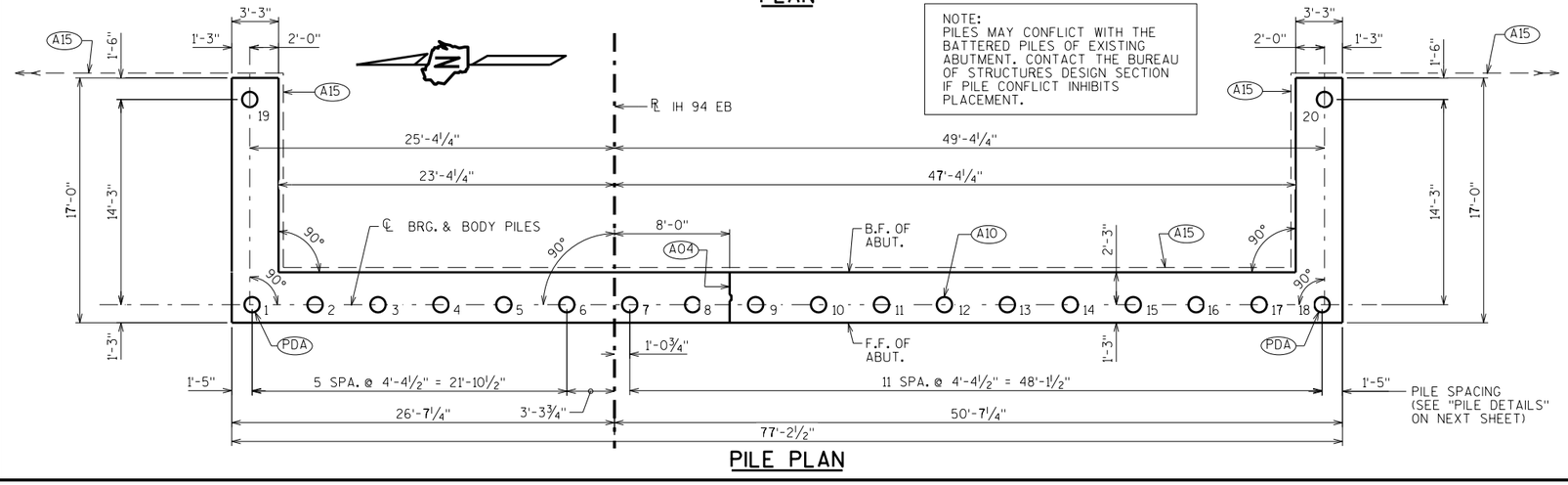
1020-07-82



ELEVATION - LOOKING EAST @ F.F. ABUT.

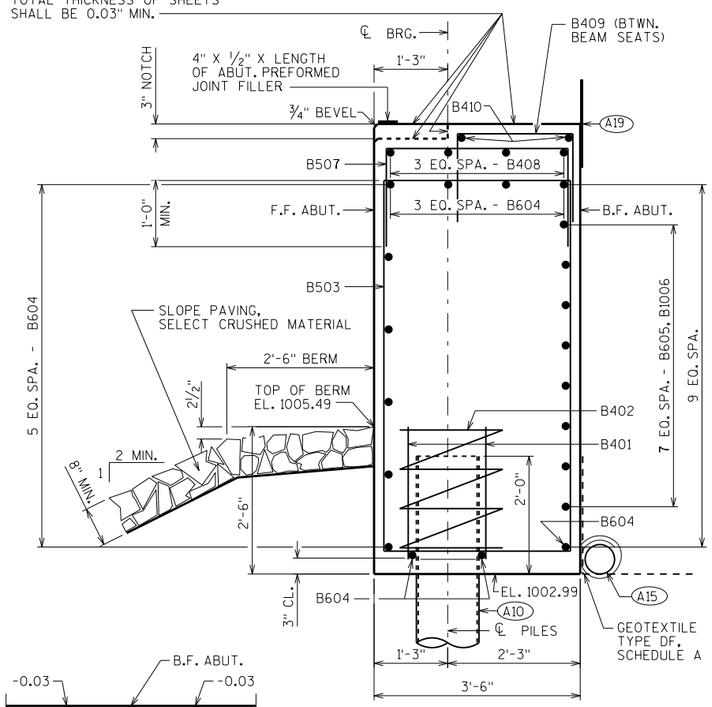


PLAN

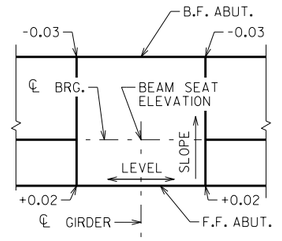


PILE PLAN

STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING BEARING PADS. TOTAL THICKNESS OF SHEETS SHALL BE 0.03" MIN.



SECTION THRU BODY



SLOPED BEAM SEAT DETAIL

(A04) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 X 8. 3/4" "V" GROOVE @ THE FRONT FACE AND 18" RMW @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

(A10) SUPPORT ABUTMENT ON 12 3/4" DIA. X 0.375" CIP CONCRETE PILING. ESTIMATED 65'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 140 TONS PER PILE. SEE "PILE DETAILS" ON NEXT SHEET.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A18) 3/4" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

(PDA) PILE DYNAMIC ANALYZER TESTING AND RESTRIKES REQUIRED AT THIS PILE.

○ INDICATES GIRDER NUMBER

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-253

DRAWN BY	PLANS CK'D.
DDS	MJK

EAST ABUTMENT

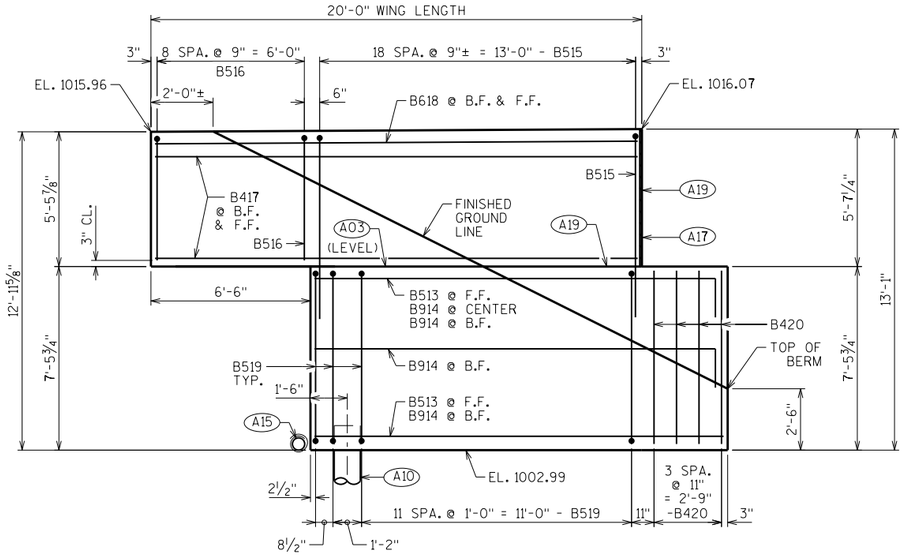
SHEET 6

367

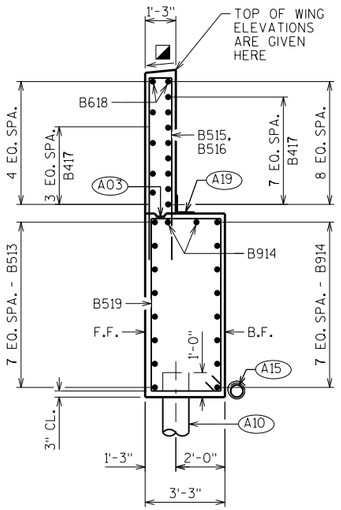
SCALE = 5.00

8

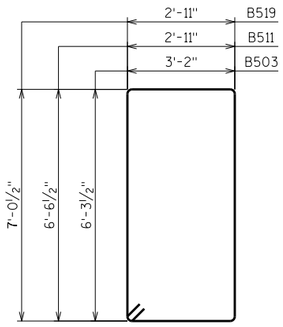
8



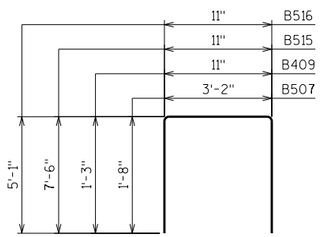
WING 3 ELEVATION LOOKING AT F.F. WING



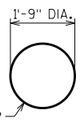
WING 3 SECTION



B503, B511, B519



B507, B409, B515, B516



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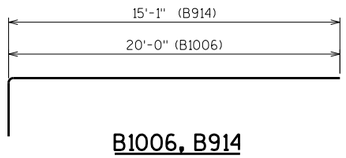
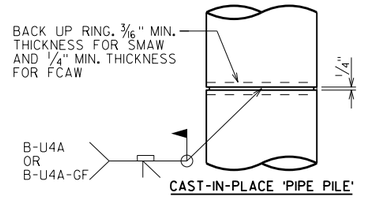
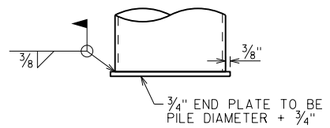


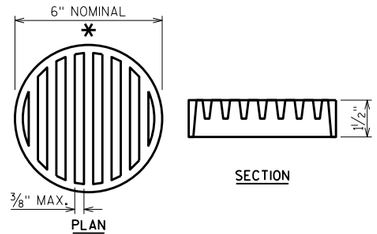
B1006, B914



PILE DETAILS



END PLATE DETAIL



RODENT SHIELD DETAIL

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
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B410		16	7'-1"		BODY-TOP-HORIZ.-BETWEEN BEAM SEATS
B511	X	14	19'-7"	X	WING 4-BOT.-STIRRUP-VERT.
B412	X	4	6'-7"		WING 4 F.F./BODY END-BOT.-VERT.
B513	X	16	16'-8"		WINGS 3&4-BOT.-HORIZONTAL-F.F.
B914	X	20	16'-5"	X	WINGS 3&4-BOT.-HORIZONTAL-B.F.
B515	X	38	15'-8"	X	WINGS 3&4-TOP-VERTICAL
B516	X	18	10'-10"	X	WINGS 3&4-TOP-VERTICAL-AT ENDS
B417	X	24	19'-8"		WINGS 3&4-TOP-HORIZONTAL-B.F. & F.F.
B618	X	4	19'-8"		WINGS 3&4-TOP-HORIZONTAL-B.F. & F.F.
B519	X	14	20'-7"	X	WING 3-BOT.-STIRRUP-VERT.
B420	X	4	7'-1"		WING 3 F.F./BODY END-BOT.-VERT.

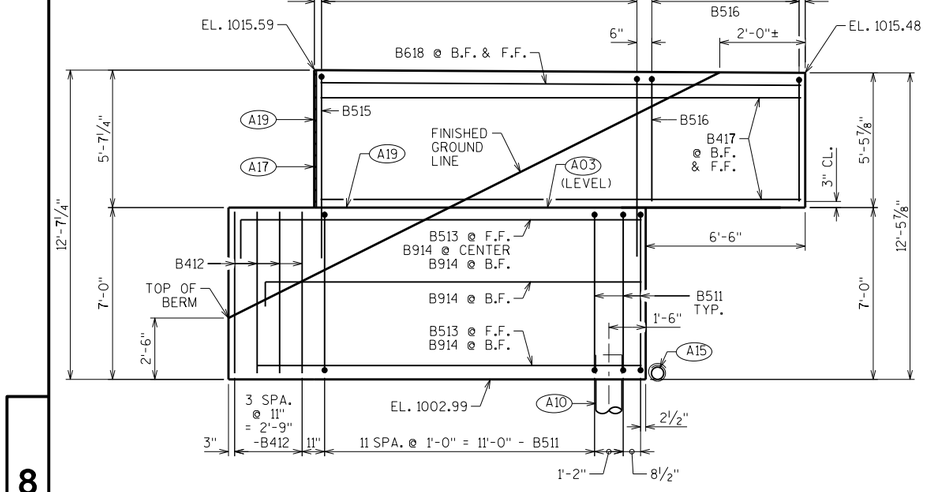
A03 OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2" x 6". (18" RMW @ B.F. & ¾" "V" GROOVE @ F.F. IF JOINT IS USED).

A10 SUPPORT ABUTMENT ON 12¾" DIA. X 0.375" CIP CONCRETE PILING, ESTIMATED 65'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 140 TONS PER PILE.

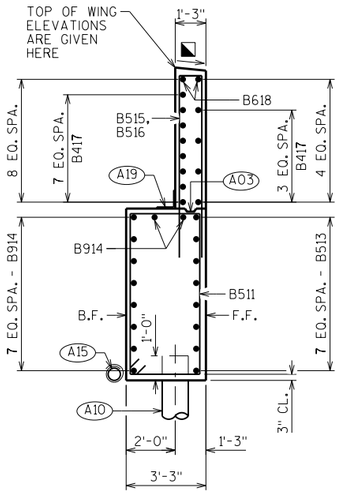
A15 PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

A17 ½" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

A19 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.



WING 4 ELEVATION LOOKING AT F.F. WING



WING 4 SECTION

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-253

DRAWN BY DDS | PLANS CK'D. MJK

EAST ABUTMENT DETAILS

SHEET 7

368

STATE PROJECT NUMBER

1020-07-82

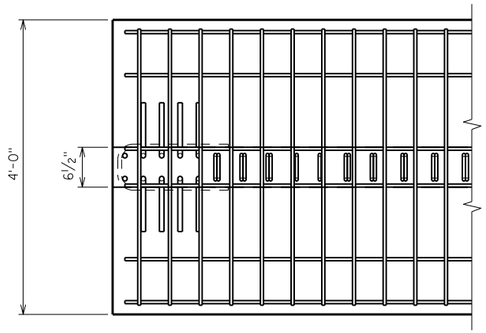
SCALE = 3.00

8

8

STATE PROJECT NUMBER

1020-07-82



TOP FLANGE

NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 15" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 15" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER OR EPOXY TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS. SEE SECT. 503.3.3 OF STANDARD SPECIFICATIONS FOR GUIDANCE.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, END OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER. FOR GIRDER ENDS THAT ARE FINALLY EXPOSED, COAT THE GIRDER ENDS, EXPOSED STRAND ENDS AND ALL NON-BONDING SURFACES WITHIN 2 FEET OF THE GIRDER ENDS WITH A NON-PIGMENTED EPOXY CONFORMING TO AASHTO M-235 TYPE III, GRADE 2, CLASS B OR C. THE EPOXY SHALL BE APPLIED AT LEAST 3 DAYS AFTER MOIST CURING HAS CEASED AND PRIOR TO THE APPLICATION OF THE SEALER.

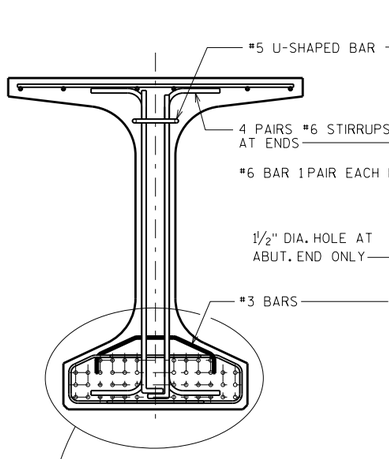
ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT.

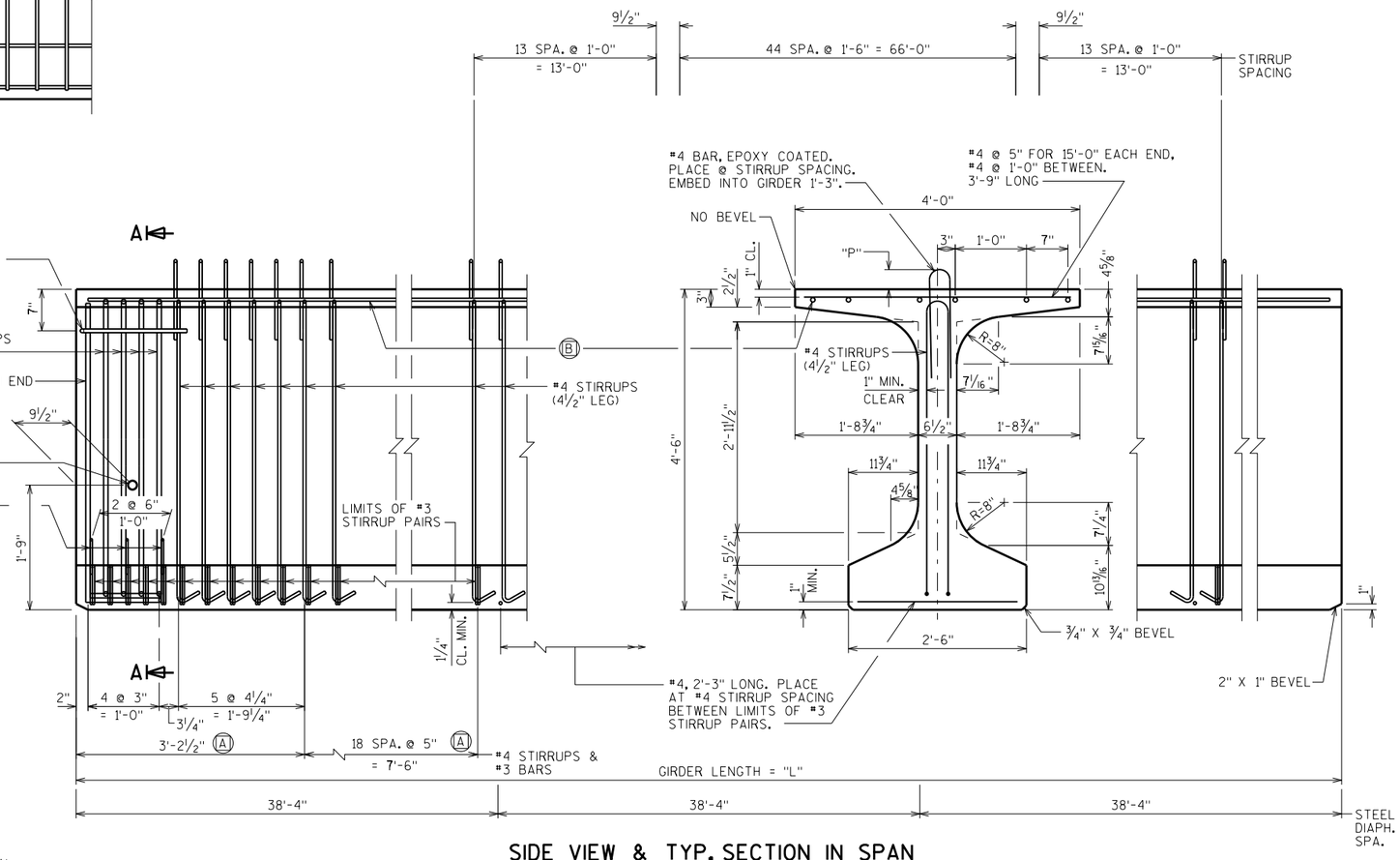
AN EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A1064 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON ACCEPTANCE OF THE STRUCTURES MAINTENANCE SECTION. IF USED, WWF SUBSTITUTION DETAILS SHALL BE SUBMITTED ELECTRONICALLY TO THE WISDOT FABRICATION LIBRARY AND ACCEPTED PRIOR TO SHOP DRAWING SUBMITTAL.

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

FOR DIAPHRAGM INSERT & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.



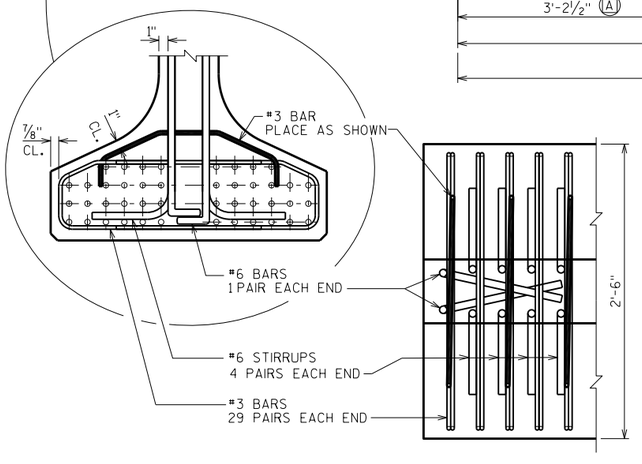
SECTION A-A



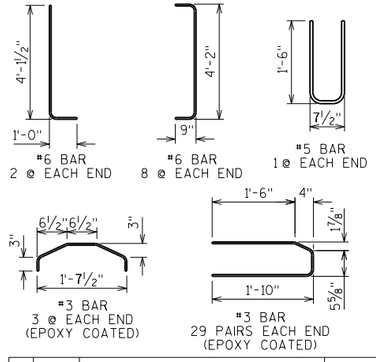
SIDE VIEW & TYP. SECTION IN SPAN

Ⓐ DETAIL TYP. AT EACH END

Ⓑ 6 #4 BARS, FULL LENGTH, MIN. LAP = 1'-11"



BOTTOM FLANGE



✳ MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L" (FEET)	DEAD LOAD DEFL. (IN.) 1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	CONC. STRGTH. f'c (P.S.I.)	"P" (IN.) 1ST 1/3 OF GIRDER	MID 1/3 OF GIRDER	END 1/3 OF GIRDER	DIA. OF STRAND (IN.)	DRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) ✳	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	UNDRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) ✳
1	2-8	115.0	0.7	1.3	1.8	2.1	2.2	2.1	1.8	1.3	0.7	8,000	8	7	8	0.6	40	6,400	49	16	19	5		
1	1, 9	115.0	0.6	1.2	1.6	1.9	2.0	1.9	1.6	1.2	0.6	8,000	8	7	8	0.6	40	6,400	49	16	19	5		

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-253

DRAWN BY MJK | PLANS CK'D. JPH

54W" PRESTRESSED GIRDER DETAILS 1

SHEET 8

369

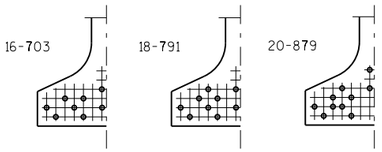
SCALE = 1.00

8

8

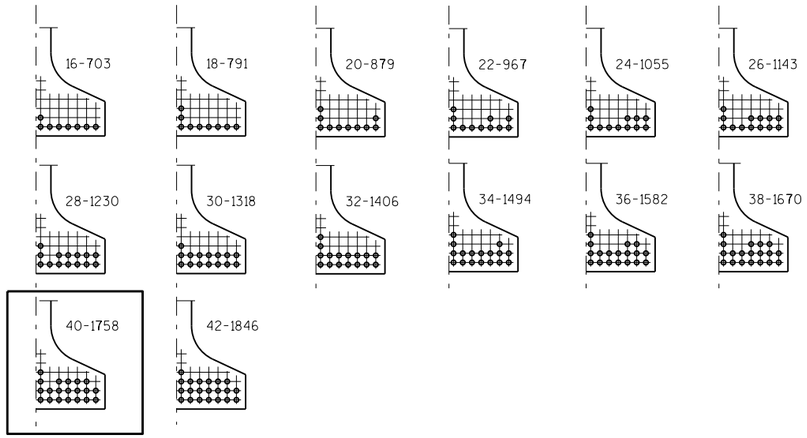
STATE PROJECT NUMBER

1020-07-82



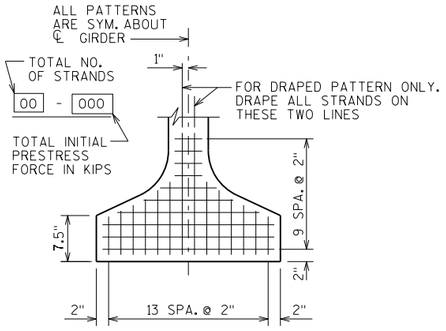
STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPING OF STRANDS

0.6" DIA. STRANDS

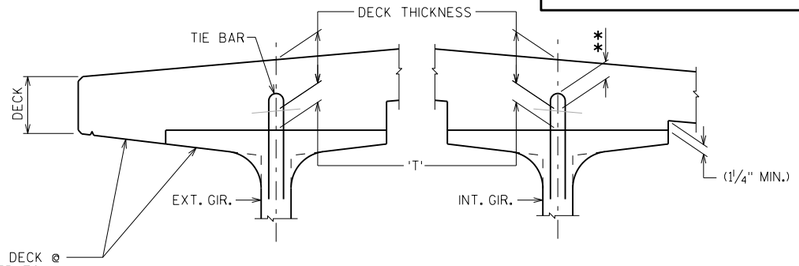


ARRANGEMENT AT ℄ SPAN - FOR GIRDERS WITH DRAPED STRANDS

0.6" DIA. STRANDS



TYP. STRAND PATTERN



DECK HAUNCH DETAIL

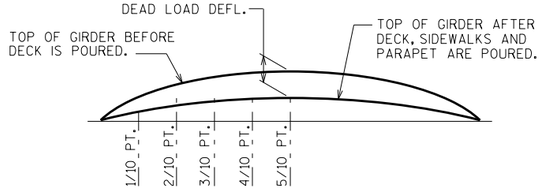
IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR. THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

** IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

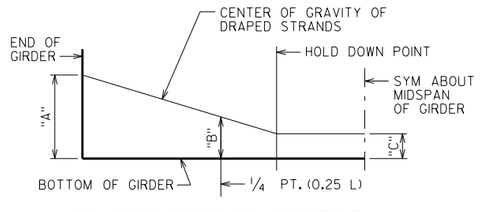
TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
- TOP OF GIRDER ELEVATION
+ DEAD LOAD DEFLECTION
- DECK THICKNESS
= HAUNCH HEIGHT 'T'

NOTE: AN AVERAGE HAUNCH ('T') OF 3.5" WAS USED FOR COMPUTING THE THE SUPERSTRUCTURE QUANTITY "CONCRETE MASONRY BRIDGES".



DEAD LOAD DEFLECTION DIAGRAM



DRAPED STRAND PROFILE

*THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

SPAN	CAMBER (IN.) *
1	4.2

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-253

DRAWN BY MJK | PLANS CK'D. JPH

54W" PRESTRESSED GIRDER DETAILS 2

SHEET 9

370

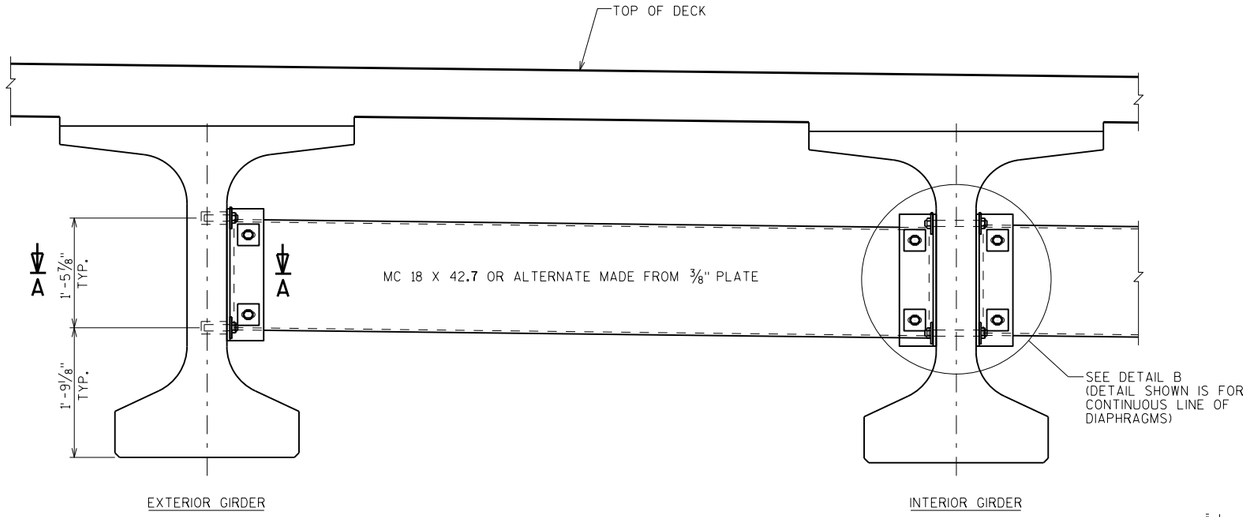
8

8

SCALE = 1.00

STATE PROJECT NUMBER

1020-07-82



PART TRANSVERSE SECTION AT DIAPHRAGM

NOTES

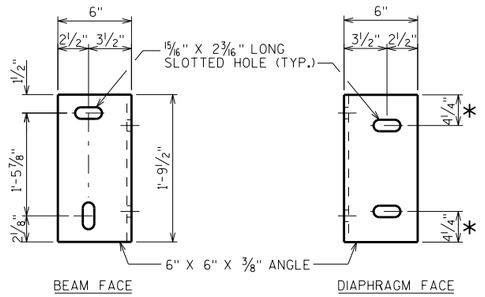
ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-55-253", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

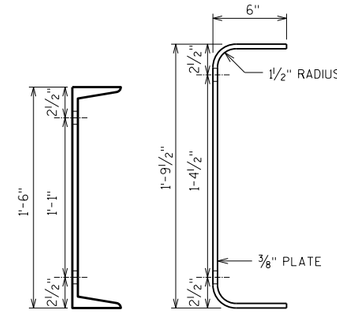
ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

STEEL DIAPHRAGM TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS ¼ TURN, UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.

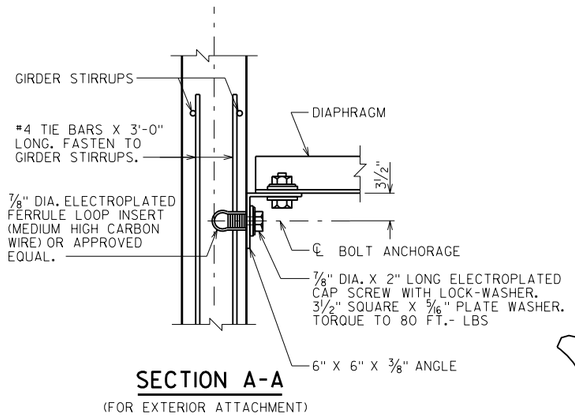


DIAPHRAGM SUPPORT

* 2½" FOR ALTERNATE PLATE DIAPHRAGM

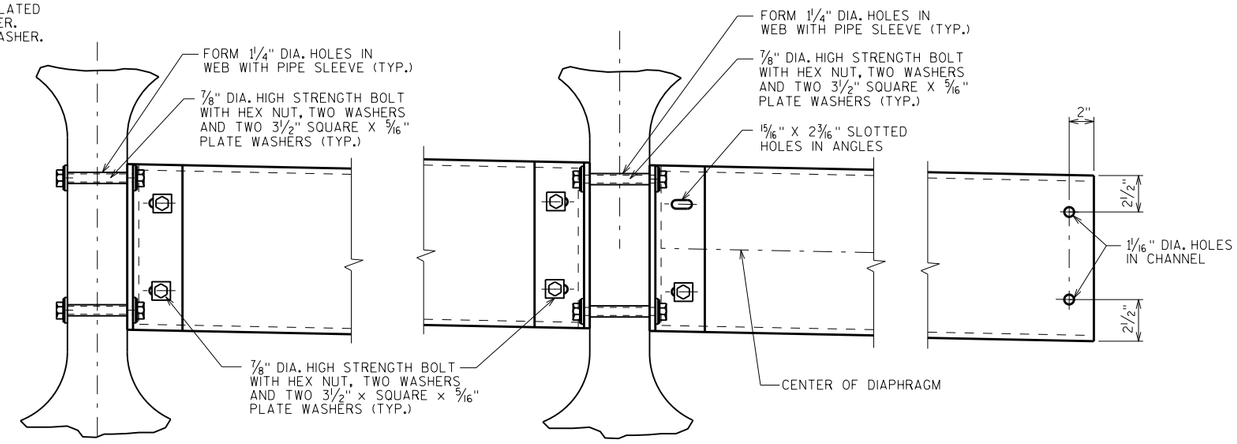


SECTION THRU DIAPHRAGM



SECTION A-A

(FOR EXTERIOR ATTACHMENT)



(FOR STAGGERED DIAPHRAGM)

(FOR CONTINUOUS LINE OF DIAPHRAGMS)

DETAIL B

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-253

DRAWN BY MJK | PLANS CK'D. JPH

STEEL DIAPHRAGM

SHEET 10

371

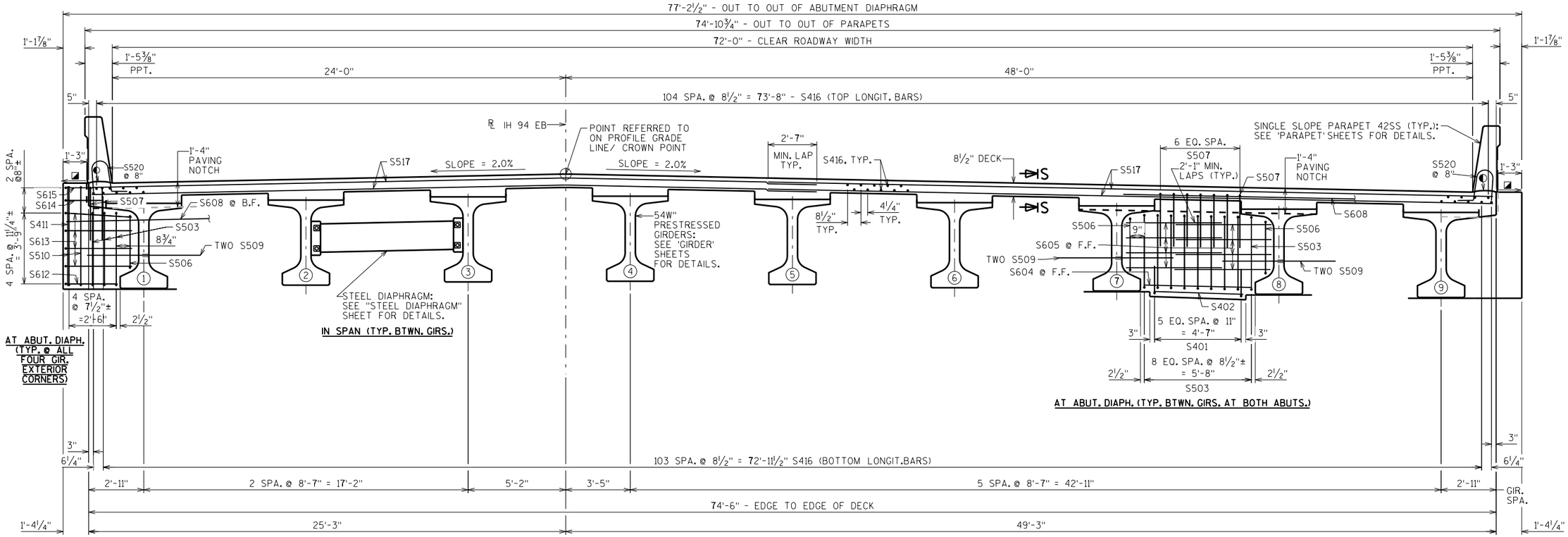
SCALE = 1.00

8

8

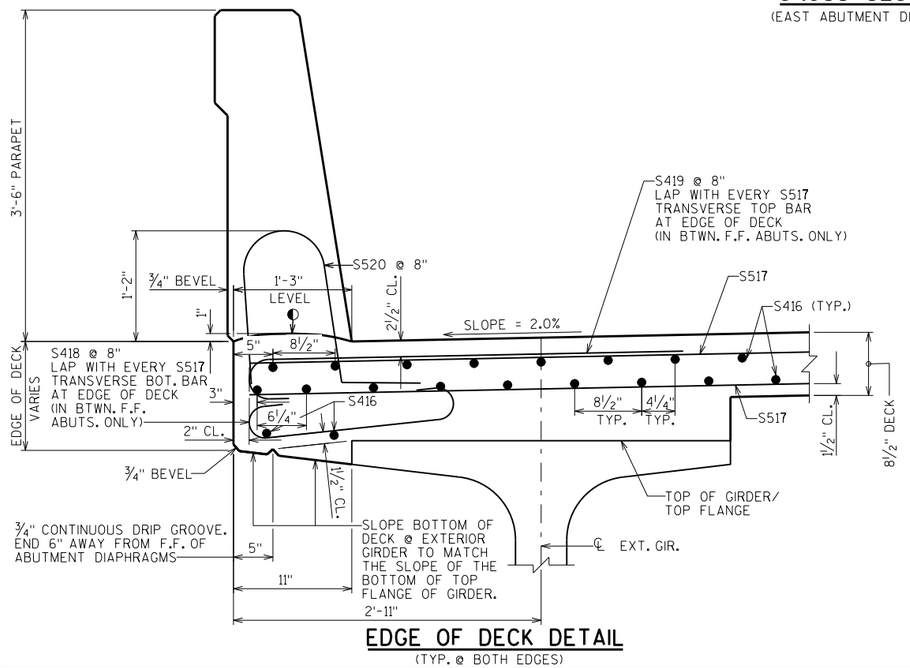
STATE PROJECT NUMBER

1020-07-82



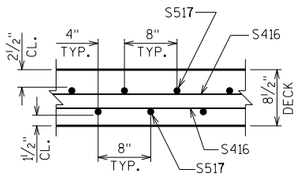
CROSS SECTION THRU BRIDGE LOOKING EAST

(EAST ABUTMENT DIAPHRAGM SHOWN, WEST ABUTMENT DIAPHRAGM SIMILAR)



EDGE OF DECK DETAIL

(TYP. @ BOTH EDGES)



SECTION S-S

NOTES:

FOR THE SECTIONS THRU THE ABUTMENT DIAPHRAGMS SEE "ABUTMENT DIAPHRAGMS" SHEET.

SEE "ABUTMENT DIAPHRAGMS" SHEET FOR ABUTMENT DIAPHRAGM CORNER DETAILS.

◐ HORIZ. CONST. JOINT: STRIKE OFF AND LEAVE ROUGH AS SHOWN

◪ FINISH SMOOTH - SLOPE TO DRAIN

◯ INDICATES GIRDER NUMBER

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-253

DRAWN BY MJK | PLANS CK'D. JPH

SUPERSTRUCTURE CROSS SECTIONS

SHEET 11

372

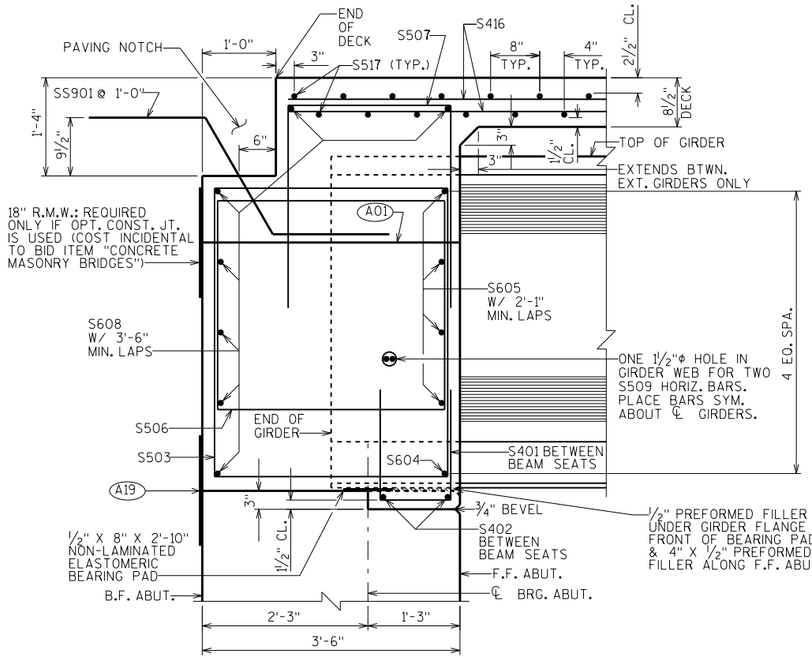
SCALE = 2.33

8

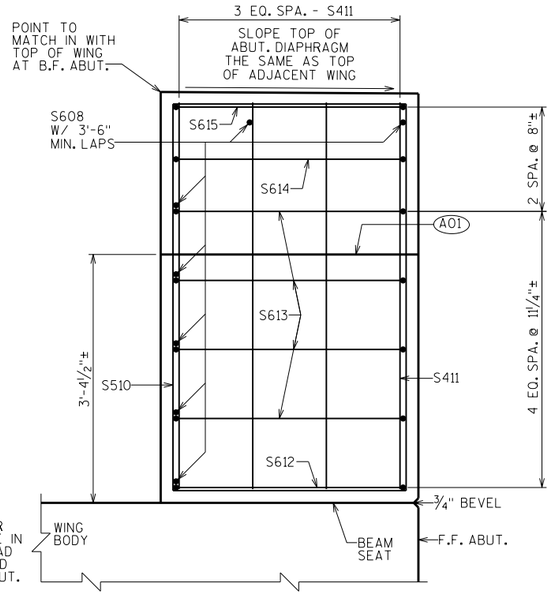
8

STATE PROJECT NUMBER

1020-07-82

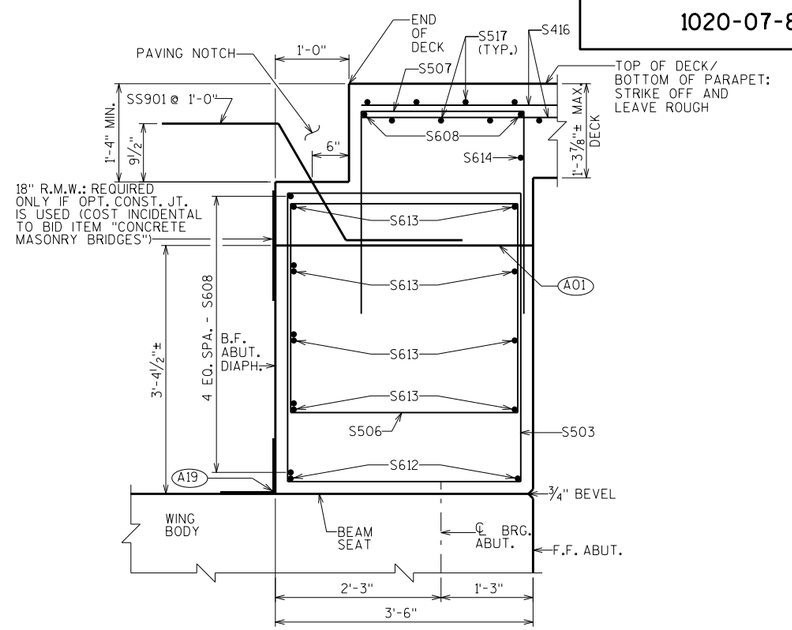


CROSS SECTION THRU ABUTMENT DIAPHRAGMS BETWEEN EXTERIOR GIRDERS

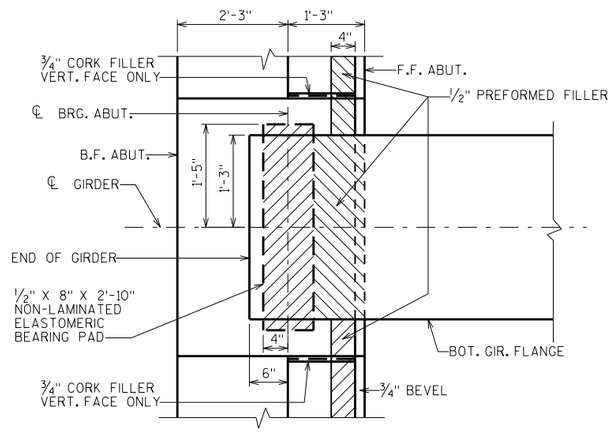


OUTSIDE ELEVATION VIEW OF DIAPHRAGM END

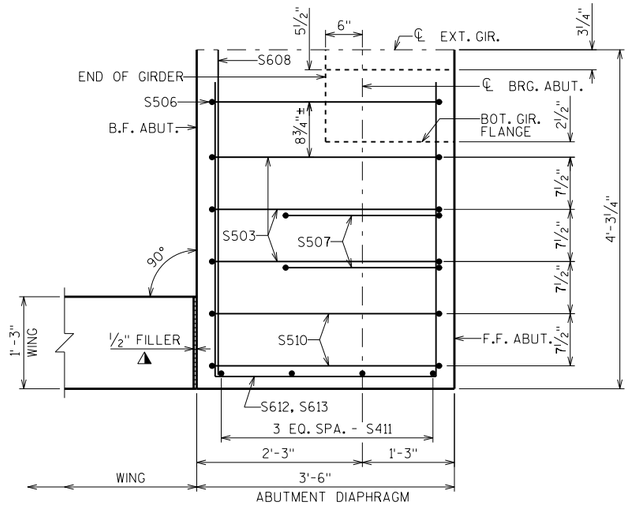
(TYP. AT ALL CORNERS)



CROSS SECTION THRU ABUTMENT DIAPHRAGMS AT EXTERIOR OF GIRDERS UNDER PARAPETS

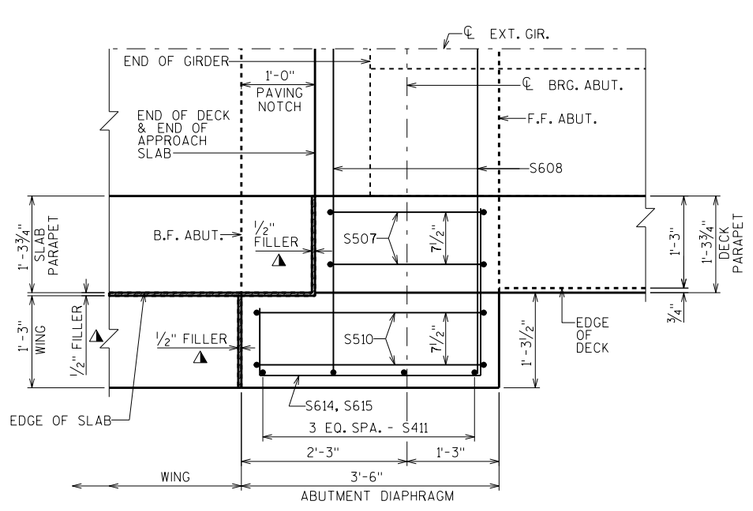


PLAN VIEW AT ABUTMENTS



DIAPHRAGM CORNER DETAIL

(TYPICAL AT ALL CORNERS)
(SECTION BELOW PAVING NOTCH)



DIAPHRAGM CORNER DETAIL

(TYP. AT ALL CORNERS)
(PLAN VIEW)

NOTE:
SEE "SUPERSTRUCTURE BAR DETAILS" SHEET FOR THE 'BILL OF BARS' AND BAR DETAILS.

⚠ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING, GRAY AND NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A01) OPTIONAL CONSTRUCTION JOINT 1'-2" BELOW TOP OF GIRDER. IF USED, DECK POUR MUST BE WITHIN 2 WEEKS FROM THE TIME OF THE DIAPHRAGM POUR.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-253

DRAWN BY MJK | PLANS CK'D. JPH

ABUTMENT DIAPHRAGMS

SHEET 12

373

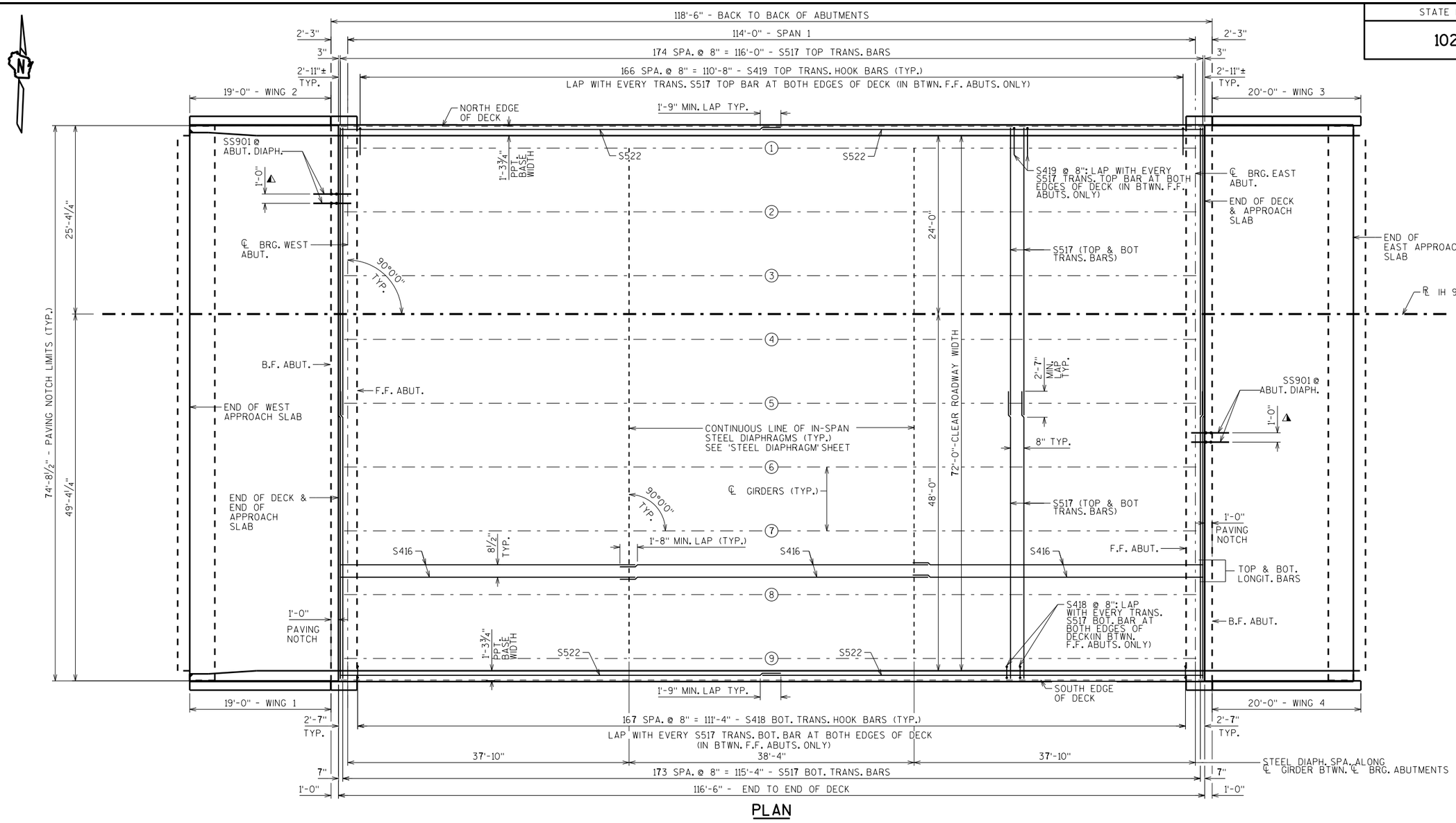
8

8

SCALE = 1.00

STATE PROJECT NUMBER

1020-07-82

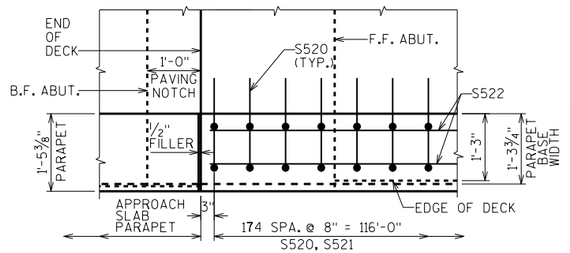


PLAN

TOP OF DECK ELEVATIONS

EOD = EDGE OF DECK

	℄ BRG. W. ABUT	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	℄ BRG. E. ABUT	
NORTH EOD	1016.72	1016.66	1016.59	1016.53	1016.46	1016.40	1016.34	1016.27	1016.21	1016.14	1016.08	NORTH EOD
℄ GIRDER 1	1016.75	1016.69	1016.62	1016.56	1016.50	1016.43	1016.37	1016.31	1016.24	1016.18	1016.11	℄ GIRDER 1
℄ GIRDER 2	1016.92	1016.86	1016.80	1016.73	1016.67	1016.61	1016.54	1016.48	1016.41	1016.35	1016.29	℄ GIRDER 2
℄ GIRDER 3	1017.10	1017.03	1016.97	1016.90	1016.84	1016.78	1016.71	1016.65	1016.59	1016.52	1016.46	℄ GIRDER 3
℞ IH 94 EB/CROWN PT.	1017.20	1017.14	1017.07	1017.01	1016.94	1016.88	1016.82	1016.75	1016.69	1016.62	1016.56	℞ IH 94 EB/CROWN PT.
℄ GIRDER 4	1017.13	1017.07	1017.00	1016.94	1016.88	1016.81	1016.75	1016.68	1016.62	1016.56	1016.49	℄ GIRDER 4
℄ GIRDER 5	1016.96	1016.90	1016.83	1016.77	1016.70	1016.64	1016.58	1016.51	1016.45	1016.38	1016.32	℄ GIRDER 5
℄ GIRDER 6	1016.79	1016.72	1016.66	1016.60	1016.53	1016.47	1016.40	1016.34	1016.28	1016.21	1016.15	℄ GIRDER 6
℄ GIRDER 7	1016.62	1016.55	1016.49	1016.42	1016.36	1016.30	1016.23	1016.17	1016.11	1016.04	1015.98	℄ GIRDER 7
℄ GIRDER 8	1016.44	1016.38	1016.32	1016.25	1016.19	1016.13	1016.06	1016.00	1015.93	1015.87	1015.81	℄ GIRDER 8
℄ GIRDER 9	1016.27	1016.21	1016.14	1016.08	1016.02	1015.95	1015.89	1015.83	1015.76	1015.70	1015.63	℄ GIRDER 9
SOUTH EOD	1016.24	1016.18	1016.11	1016.05	1015.98	1015.92	1015.86	1015.79	1015.73	1015.66	1015.60	SOUTH EOD



PARTIAL PLAN OF PARAPET REINFORCEMENT

(TYP. @ ALL FOUR END OF DECK PARAPET CORNERS)

⚠ SEE "STRUCTURAL APPROACH SLABS" SHEET FOR ENTIRE SS901 BAR SPACING

◯ INDICATES GIRDER NUMBER

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-253

DRAWN BY MJK | PLANS CK'D. JPH

SUPERSTRUCTURE PLAN

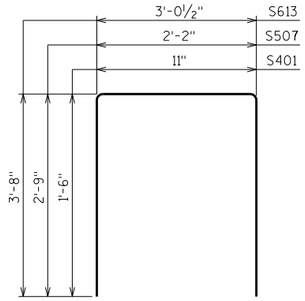
SHEET 13

374

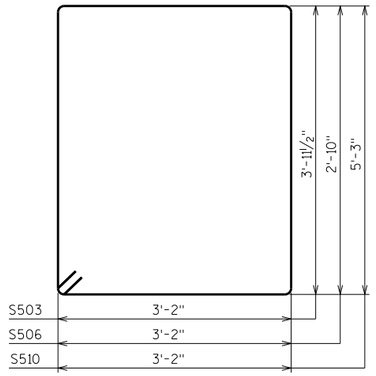
SCALE = 5.50

STATE PROJECT NUMBER

1020-07-82



S401 S507 S613



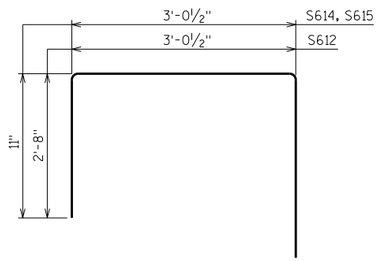
S503 S506 S510
(STIRRUP BARS)

BILL OF BARS

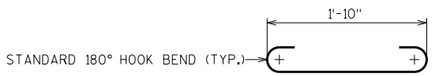
NOTE:
THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
S401	X	96	3'-9"	X		ABUT. DIAPHS.-F.F.-BOT.-VERT.-BTWN. BEAM SEATS
S402	X	32	4'-9"			ABUT. DIAPHS.-F.F.-BOT.-HORIZ.-BTWN. BEAM SEATS
S503	X	156	14'-11"	X		ABUT. DIAPHS.-VERTICAL-UNDER PAVING NOTCHES
S604	X	16	5'-9"			ABUT. DIAPHS.-F.F.-BOT.-HORIZ.-BTWN. GIRS ONLY
S605	X	128	5'-0"			ABUT. DIAPHS.-F.F.-HORIZ.-BTWN. GIRS ONLY
S506	X	36	12'-8"	X		ABUT. DIAPHS.-VERT.-UNDER GIR. TOP FLANGES
S507	X	120	7'-5"	X		ABUT. DIAPHS./DECK-VERT.-BETWEEN EXT. GIRDERS ONLY
S608	X	28	40'-3"			ABUT. DIAPHS. B.F. & DECK-HORIZ.
S509	X	36	6'-0"			ABUT. DIAPHS.-HORIZ.-THRU GIRDERS
S510	X	8	17'-6"	X		ABUT. DIAPHS.-VERTICAL-AT ALL FOUR GIR. EXTERIOR CORNERS
S411	X	16	5'-3"			ABUT. DIAPH.-VERT.-AT ALL FOUR GIR. EXTERIOR CORNERS
S612	X	4	9'-0"	X		ABUT. DIAPHS.-BOT.-HORIZ.-AT ALL FOUR GIR. EXTERIOR CORNERS
S613	X	16	10'-1"	X		ABUT. DIAPHS.-HORIZ.-AT ALL FOUR GIR. EXTERIOR CORNERS
S614	X	4	5'-7"	X		ABUT. DIAPHS.-HORIZ.-AT ALL FOUR GIR. EXTERIOR CORNERS
S615	X	4	4'-8"	X		ABUT. DIAPHS.-TOP-HORIZ.-AT ALL FOUR GIR. EXTERIOR CORNERS
S416	X	645	39'-11"			DECK-TOP & BOTTOM-HORIZONTAL-LONGITUDINAL
S517	X	698	38'-5"			DECK-TOP & BOTTOM-HORIZONTAL-TRANSVERSE
S418	X	336	2'-10"	X		DECK-BOT.-TRANSVERSE-BOTH EDGES-BTWN. F.F. ABUTS.
S419	X	334	4'-3"	X		DECK-TOP-TRANSVERSE-AT BOTH EDGES OF DECK
S520	X	350	4'-5"	X		PARAPETS/DECK-VERTICAL-TRANSVERSE-AT BOTH SIDES
S521	X	350	6'-8"	X		PARAPETS-VERTICAL-TRANSVERSE-AT BOTH SIDES
S522	X	32	59'-0"			PARAPETS-BOTH FACES-HORIZ.-LONGIT.-AT BOTH SIDES
SS901		148	5'-0"	X		APPROACH SLAB/ABUT. DIAPH.-VERT.-AT PAVING NOTCHES

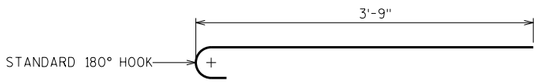
SS901
└STAINLESS STEEL REINFORCEMENT



S612 S614 S615



S418



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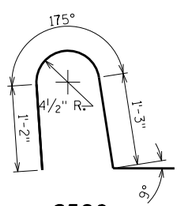

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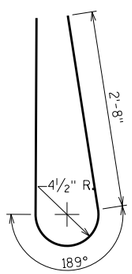

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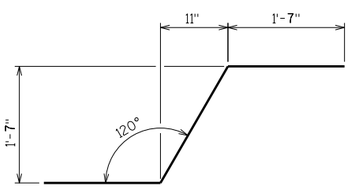


SS901

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-253

DRAWN BY MJK | PLANS CK'D. JPH

SUPERSTRUCTURE BAR DETAILS

SHEET 14

375

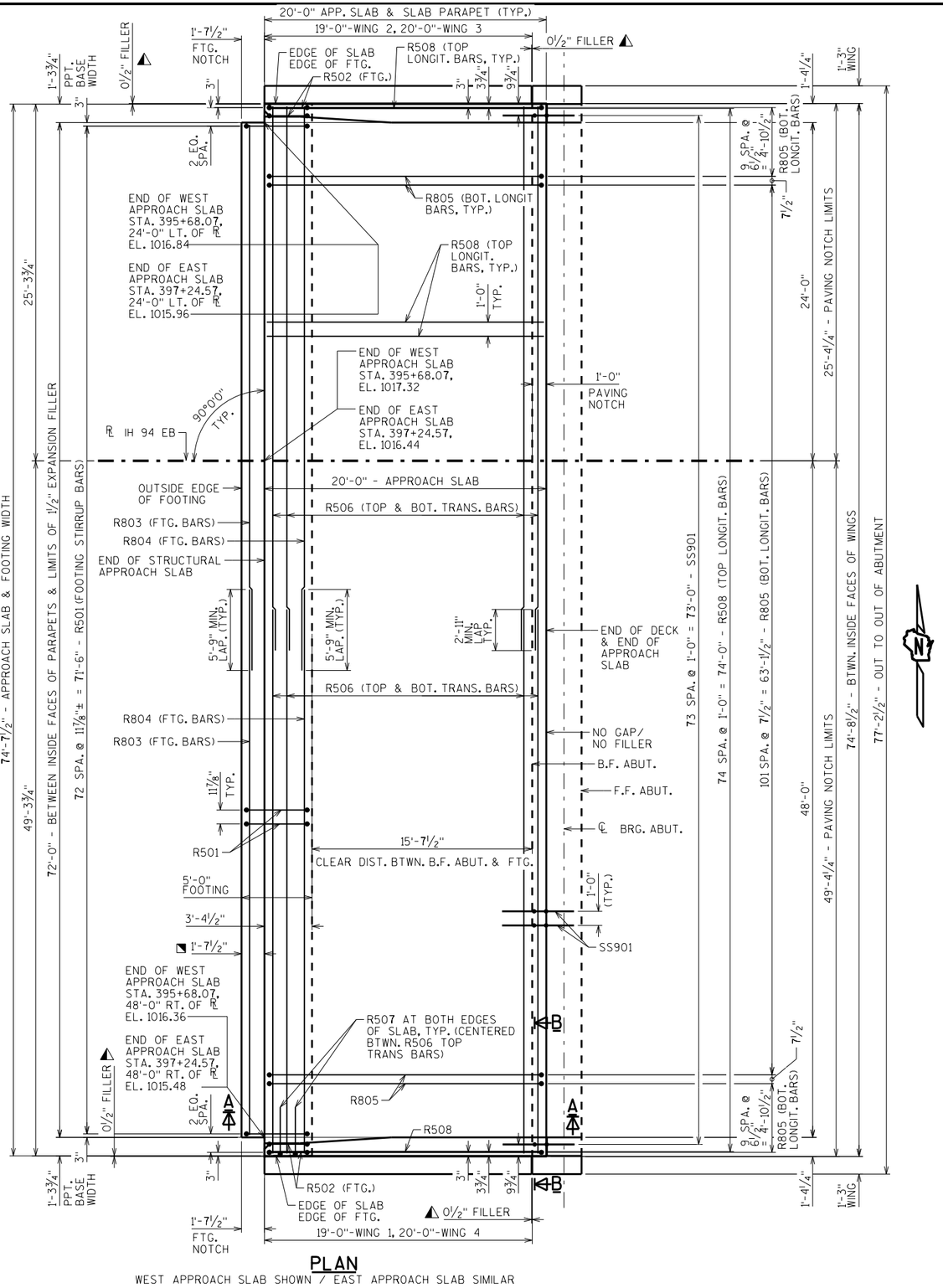
SCALE = 1.00

8

8

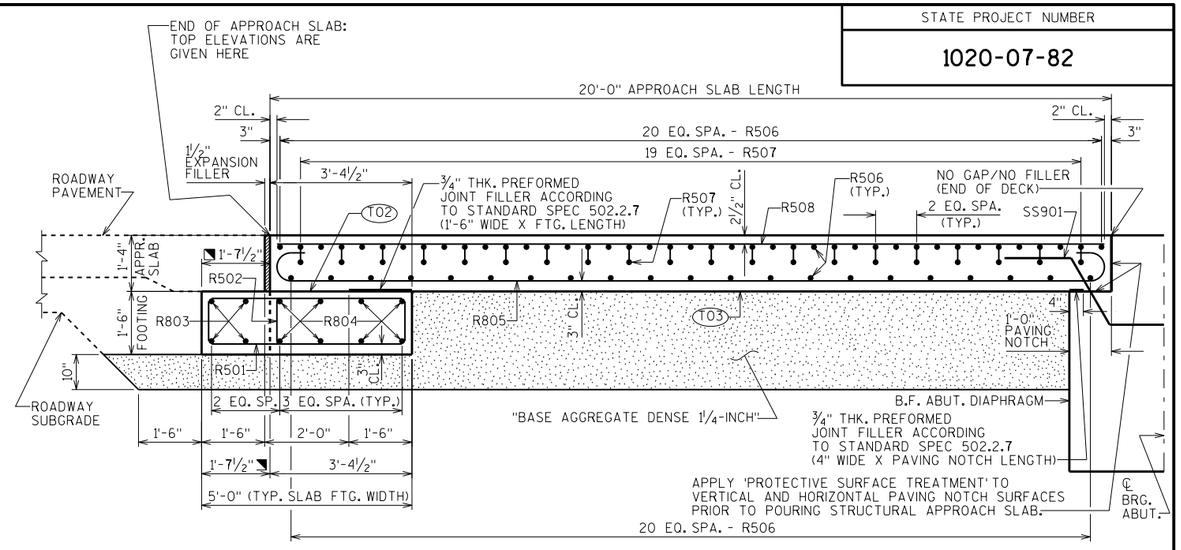
STATE PROJECT NUMBER

1020-07-82



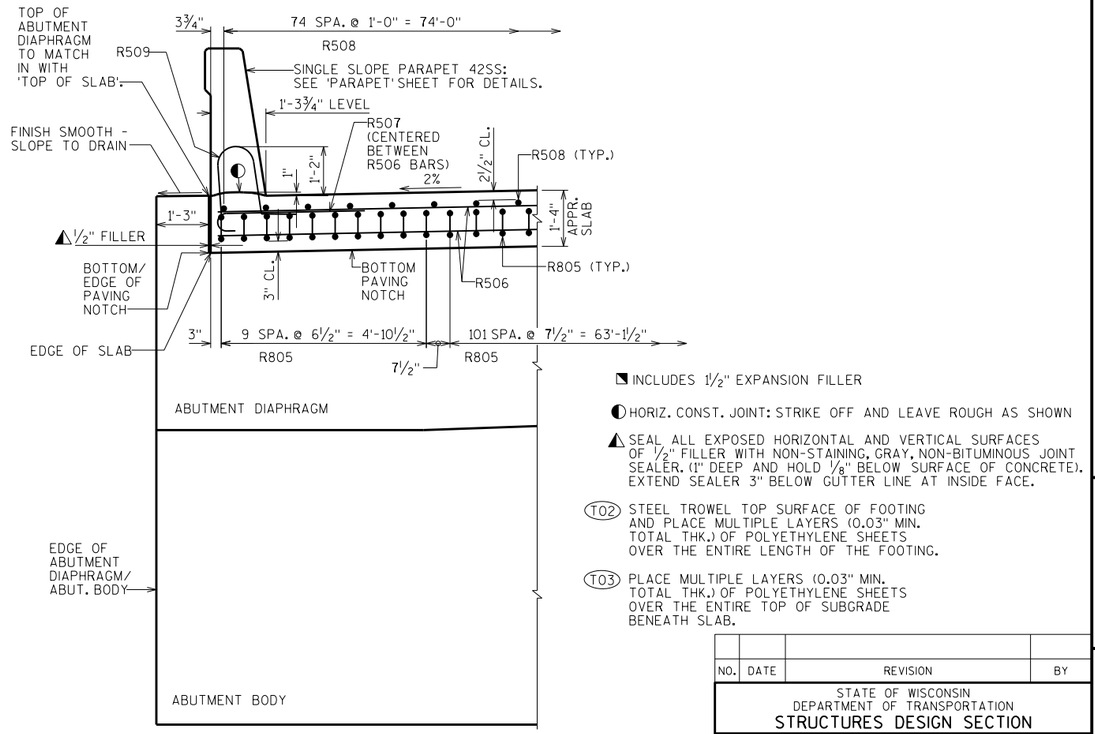
PLAN

WEST APPROACH SLAB SHOWN / EAST APPROACH SLAB SIMILAR



SECTION A-A THRU APPROACH SLAB

WEST APPROACH SLAB SHOWN/
EAST APPROACH SLAB SIMILAR



SECTION B-B (EDGE OF SLAB DETAIL)

◥ INCLUDES 1½" EXPANSION FILLER

◐ HORIZ. CONST. JOINT: STRIKE OFF AND LEAVE ROUGH AS SHOWN

◭ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE FOOTING.

(T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF SUBGRADE BENEATH SLAB.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-253

DRAWN BY	MJK	PLANS CK'D.	JPH

STRUCTURAL APPROACH SLABS

SHEET 15

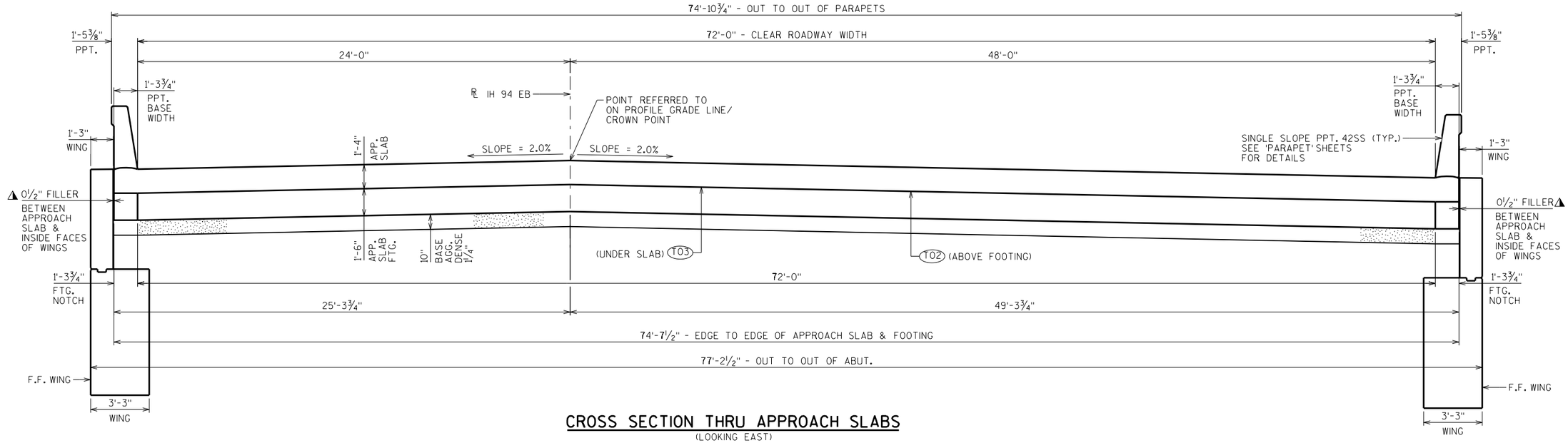
376

SCALE = 3.50

8

8

STATE PROJECT NUMBER
1020-07-82



CROSS SECTION THRU APPROACH SLABS

(LOOKING EAST)

NOTE:
SEE "STRUCTURAL APPROACH SLAB BAR DETAILS" SHEET FOR THE 'BILL OF BARS' AND BAR DETAILS.

(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE FOOTING.

(T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF SUBGRADE BENEATH SLAB.

△SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-253

DRAWN BY MJK | PLANS CK'D. JPH

STRUCTURAL APPROACH SLAB CROSS SECTION

SHEET 16

377

SCALE = 2.33

8

8

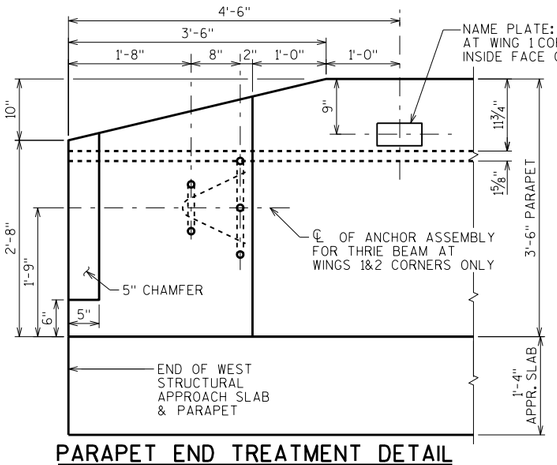
NOTES:

SEE THE "STRUCTURAL APPROACH SLAB BAR DETAILS" SHEET FOR THE BILL OF BARS AND BAR DETAILS FOR THE SLAB PARAPET R-BARS.

SEE THE "SUPERSTRUCTURE BAR DETAILS" SHEET FOR THE BILL OF BARS AND BAR DETAILS FOR THE DECK PARAPET S-BARS.

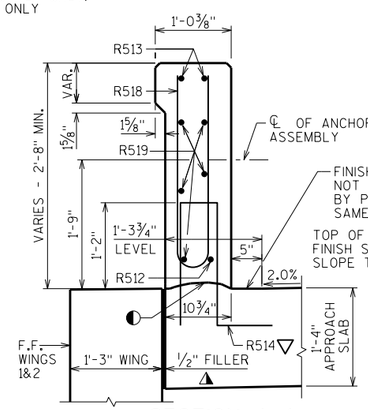
STATE PROJECT NUMBER

1020-07-82

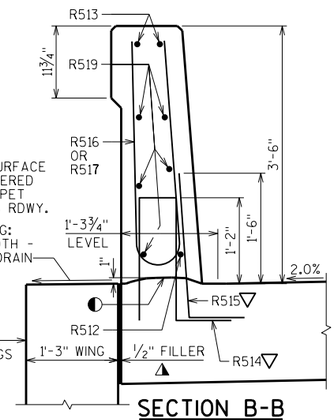


PARAPET END TREATMENT DETAIL

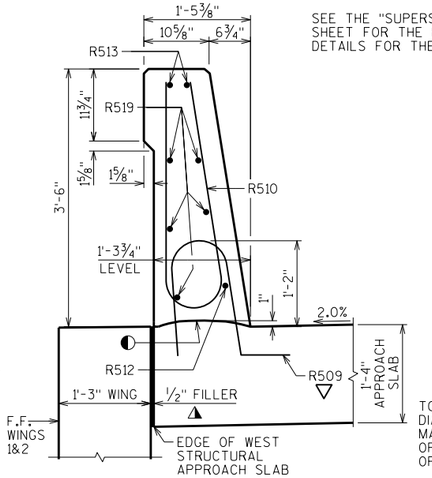
LOOKING AT INSIDE FACE OF BOTH PARAPETS
WING 2 CORNER SHOWN, WING 1 CORNER SIMILAR



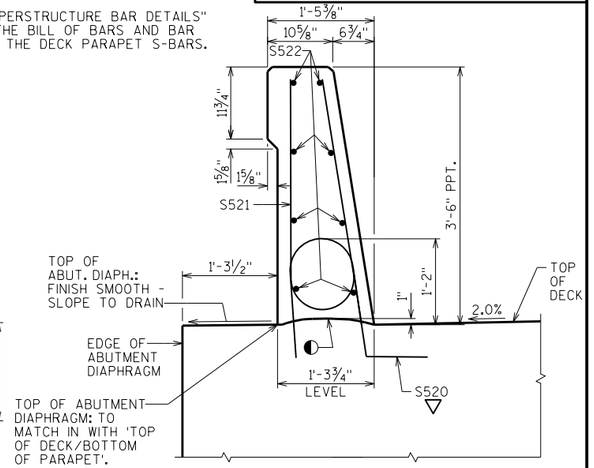
SECTION A-A



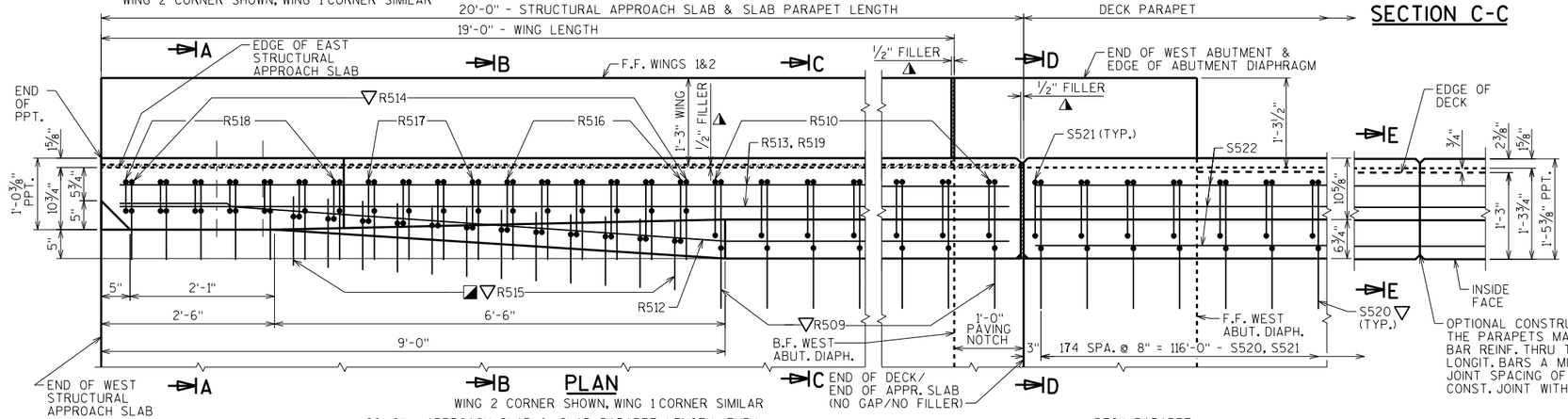
SECTION B-B



SECTION C-C

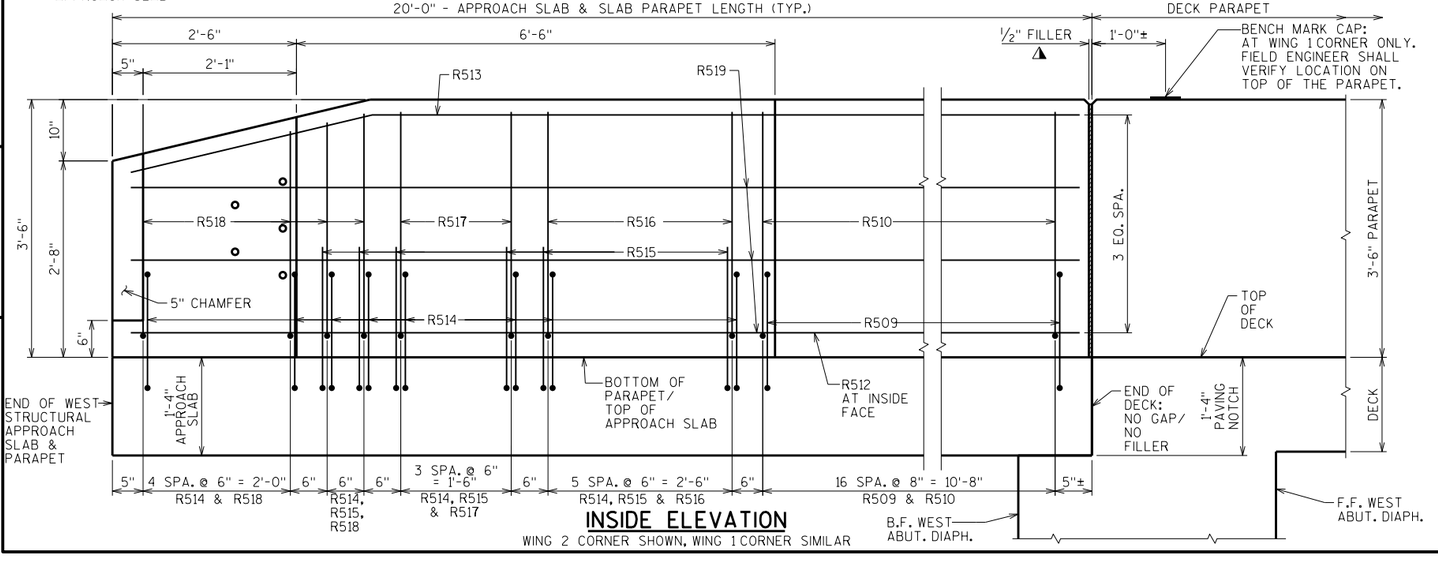


SECTION D-D (OVER ABUT. DIAPH.)



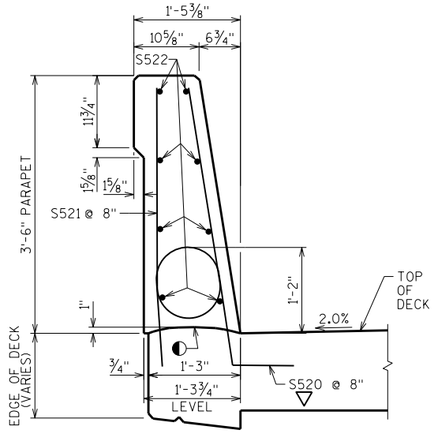
PLAN

WING 2 CORNER SHOWN, WING 1 CORNER SIMILAR

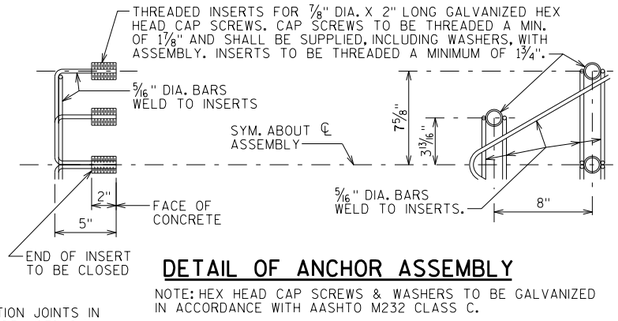


INSIDE ELEVATION

WING 2 CORNER SHOWN, WING 1 CORNER SIMILAR



SECTION E-E (ON DECK)



DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.

▲ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

◐ HORIZ. CONST. JOINT - STRIKE OFF AS SHOWN AND LEAVE ROUGH.

◪ USE CARE TO PLACE R515 BARS CORRECTLY ALONG TRANSITION OF PARAPET.

▽ R509, R514, R515 & S520 PARAPET BARS TO BE TIED TO SLAB OR DECK STEEL BEFORE SLAB OR DECK IS POURED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-253

DRAWN BY MJK | PLANS CK'D. JPH

SINGLE SLOPE PARAPET 42SS (WEST END)

SHEET 17

378

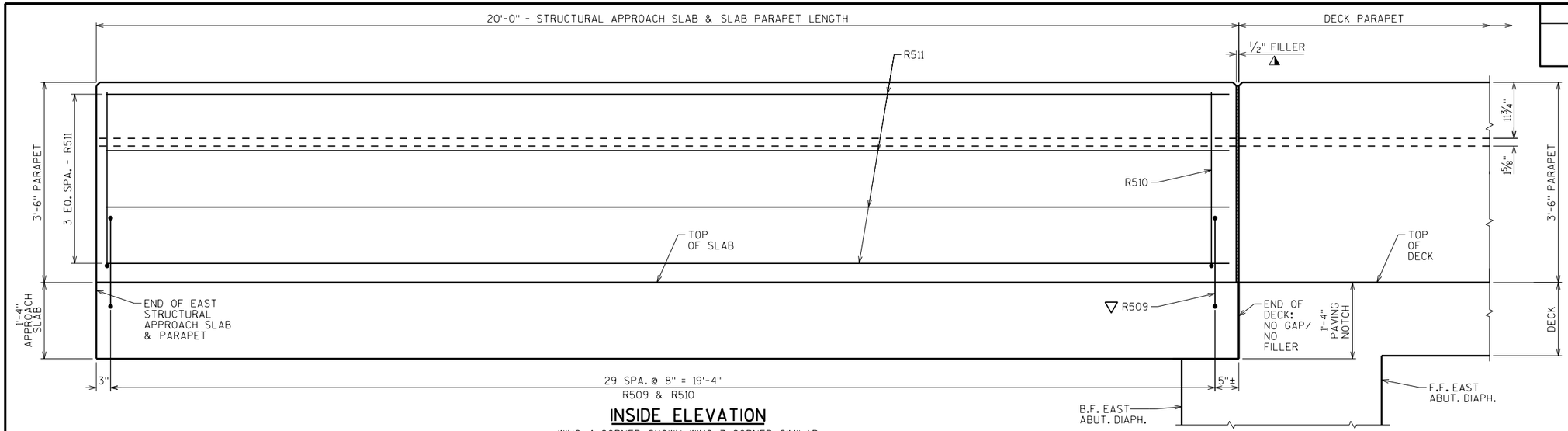
SCALE = 1.00

8

8

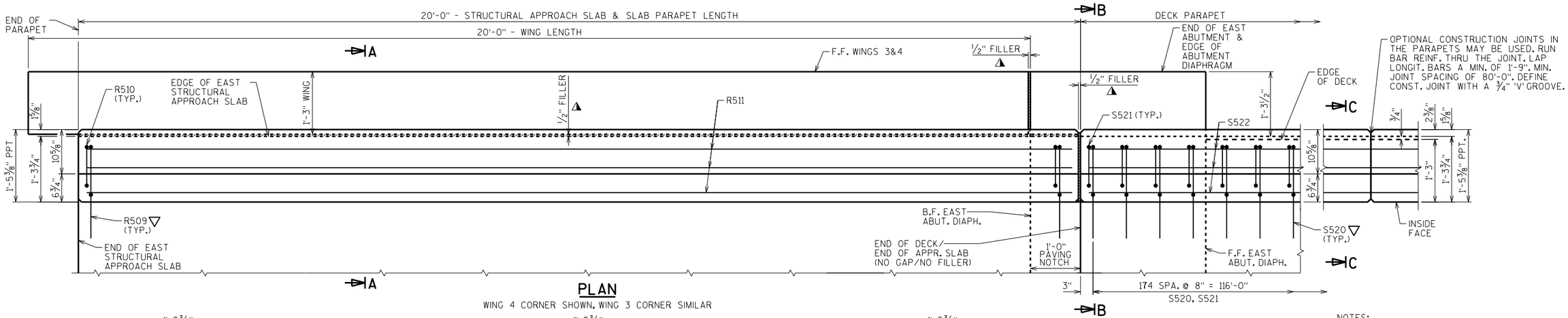
STATE PROJECT NUMBER

1020-07-82



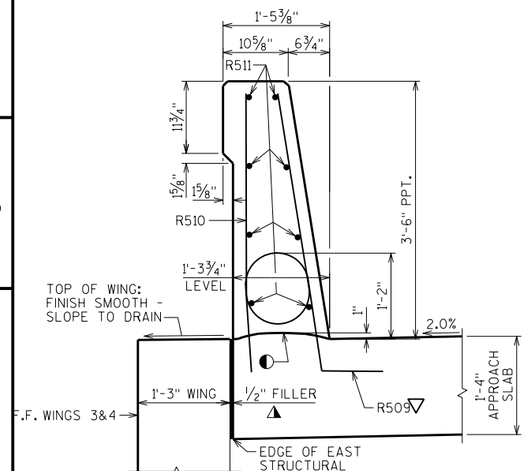
INSIDE ELEVATION

WING 4 CORNER SHOWN, WING 3 CORNER SIMILAR

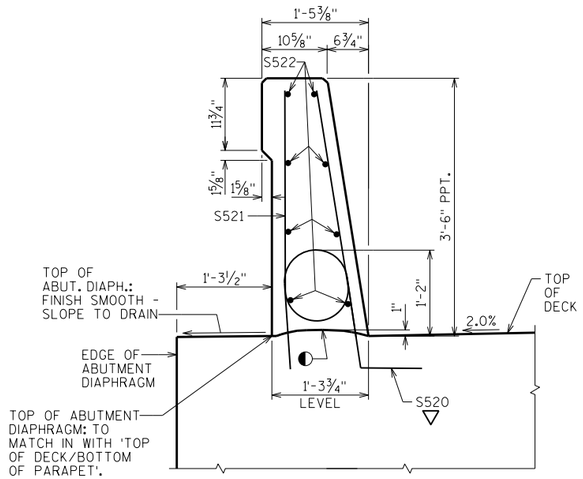


PLAN

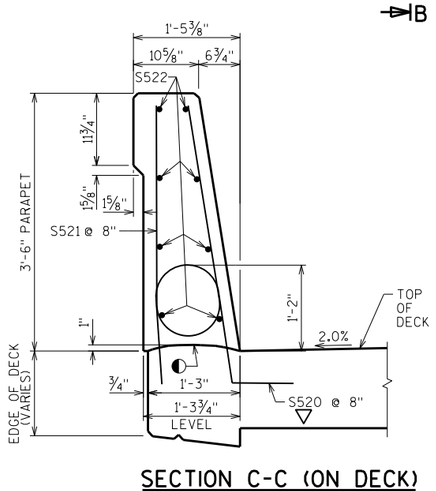
WING 4 CORNER SHOWN, WING 3 CORNER SIMILAR



SECTION A-A



SECTION B-B (OVER ABUT. DIAPH.)



SECTION C-C (ON DECK)

▽R509 & S520 PARAPET BARS TO BE TIED TO SLAB OR DECK STEEL BEFORE SLAB OR DECK IS POURED.

NOTES:

SEE THE "STRUCTURAL APPROACH SLAB BAR DETAILS" SHEET FOR THE BILL OF BARS AND BAR DETAILS FOR THE SLAB PARAPET R-BARS.

SEE THE "SUPERSTRUCTURE BAR DETAILS" SHEET FOR THE BILL OF BARS AND BAR DETAILS FOR THE DECK PARAPET S-BARS.

◮ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF 1/2" FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

◐ HORIZ. CONST. JOINT - STRIKE OFF AS SHOWN AND LEAVE ROUGH.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-253

DRAWN BY MJK | PLANS CK'D. JPH

SINGLE SLOPE PARAPET 42SS (EAST END)

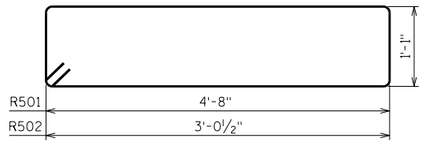
SHEET 18

379

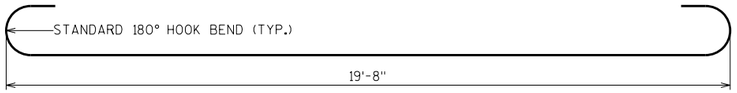
SCALE = 1.00

STATE PROJECT NUMBER

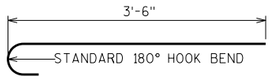
1020-07-82



R501 R502
(STIRRUP BARS)



R805



R507

BILL OF BARS

NOTE:
THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

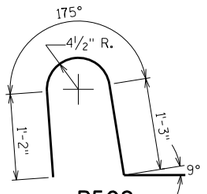
BAR MARK	COAT	NO. REQUIRED. WEST SLAB	NO. REQUIRED. EAST SLAB	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	73	73	12'-2"	X		FOOTING-VERTICAL-STIRRUP BAR-BETWEEN PARAPETS
R502	X	4	4	8'-11"	X		FOOTING-VERTICAL-STIRRUP BAR-AT ENDS ONLY
R803	X	8	8	38'-9"			FOOTING-TOP & BOTTOM-HORIZONTAL-AT OUTSIDE FACE
R804	X	16	16	40'-1"			FOOTING-TOP & BOTTOM-HORIZONTAL-AT INSIDE FACE
R805	X	122	122	21'-6"	X		SLAB-BOTTOM-LONGITUDINAL
R506	X	84	84	38'-8"			SLAB-TOP & BOTTOM-TRANSVERSE
R507	X	40	40	4'-1"	X		SLAB-TOP-TRANSVERSE-AT BOTH EDGES
R508	X	75	75	19'-8"			SLAB-TOP-LONGITUDINAL
R509	X	34	60	4'-5"	X		PARAPETS/SLAB-VERTICAL-AT ALL FOUR PPT. ENDS
R510	X	34	60	6'-8"	X		PARAPETS-VERTICAL-AT ALL FOUR PPT. ENDS
R511	X	--	16	19'-8"			PARAPETS-BOTH FACES-HORIZONTAL-AT EAST PPT. ENDS ONLY
R512	X	2	--	19'-6"	X		PARAPETS-BOT.-INSIDE FACE-HORIZONTAL-AT WEST PPT. ENDS ONLY
R513	X	4	--	19'-6"	X		PARAPETS-TOP-BOTH FACES-VERTICAL-AT WEST PPT. ENDS ONLY
R514	X	34	--	4'-4"	X		PARAPETS/SLAB-VERTICAL-AT WEST PPT. ENDS ONLY
R515	X	24	--	2'-9"	X		PARAPETS/SLAB-INSIDE FACE-VERTICAL-AT WEST PPT. ENDS ONLY
R516	X	12	--	6'-6"	X		PARAPETS-VERTICAL-AT WEST PPT. ENDS ONLY
R517	X	8	--	6'-5"	X		PARAPETS-END-VERTICAL-AT WEST PPT. ENDS ONLY
R518	X	14	--	5'-8"	X	⚠	PARAPETS-END TAPER-VERTICAL-AT WEST PPT. ENDS ONLY
R519	X	10	--	19'-6"			PARAPETS-BOTH FACES-HORIZONTAL-AT WEST PPT. ENDS ONLY

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL BAR LENGTHS.

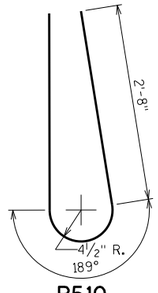
BAR SERIES TABLE

BAR MARK	NUMBER REQUIRED	TOTAL BAR LENGTH
R518	2 SERIES OF 7 BARS	4'-11" TO 6'-4"

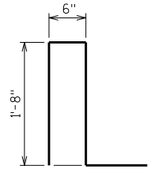
BUNDLE AND TAG EACH SERIES SEPARATELY.



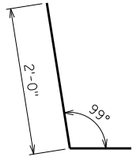
R509



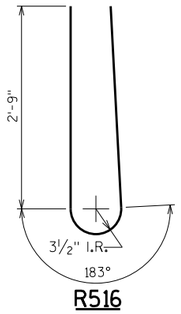
R510



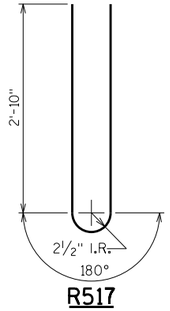
R514



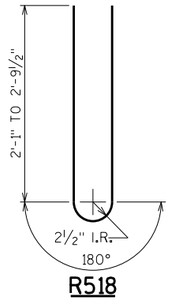
R515



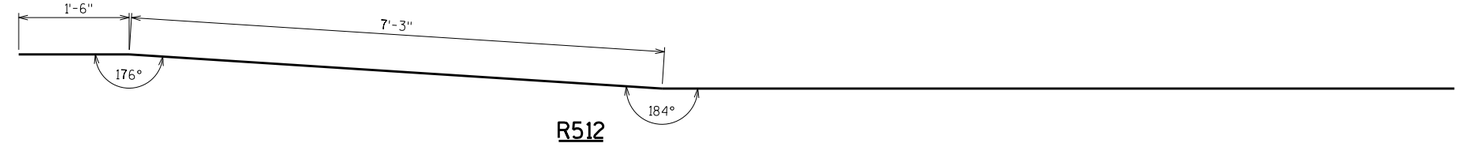
R516



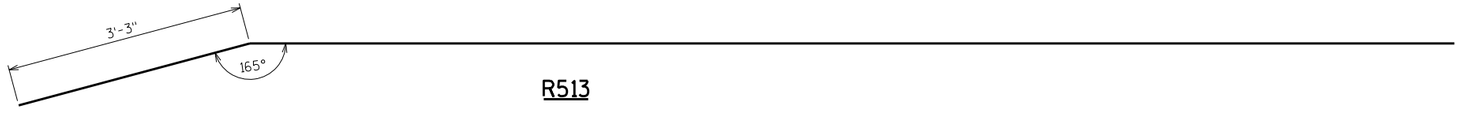
R517



R518



R512



R513

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-253

DRAWN BY MJK | PLANS CK'D. JPH

STRUCTURAL APPROACH SLAB BAR DETAILS

SHEET 19

380

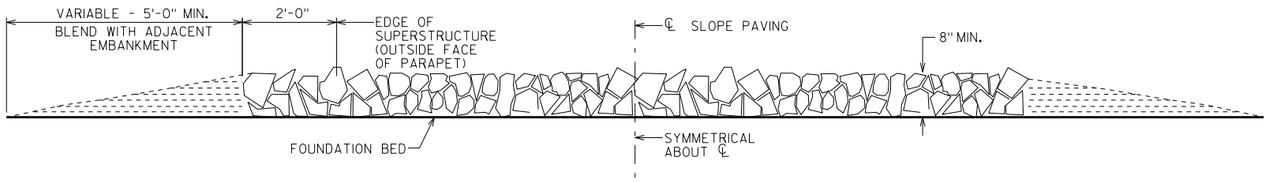
SCALE = 1.00

8

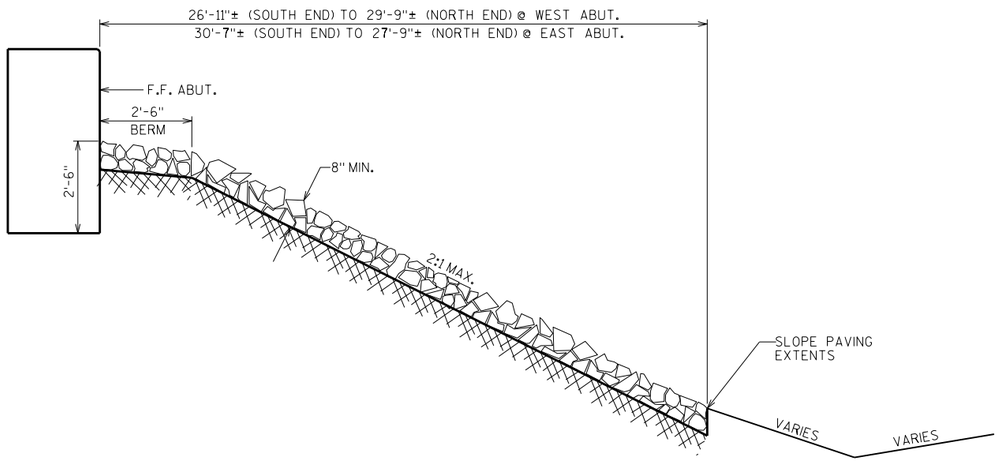
8

STATE PROJECT NUMBER

1020-07-82

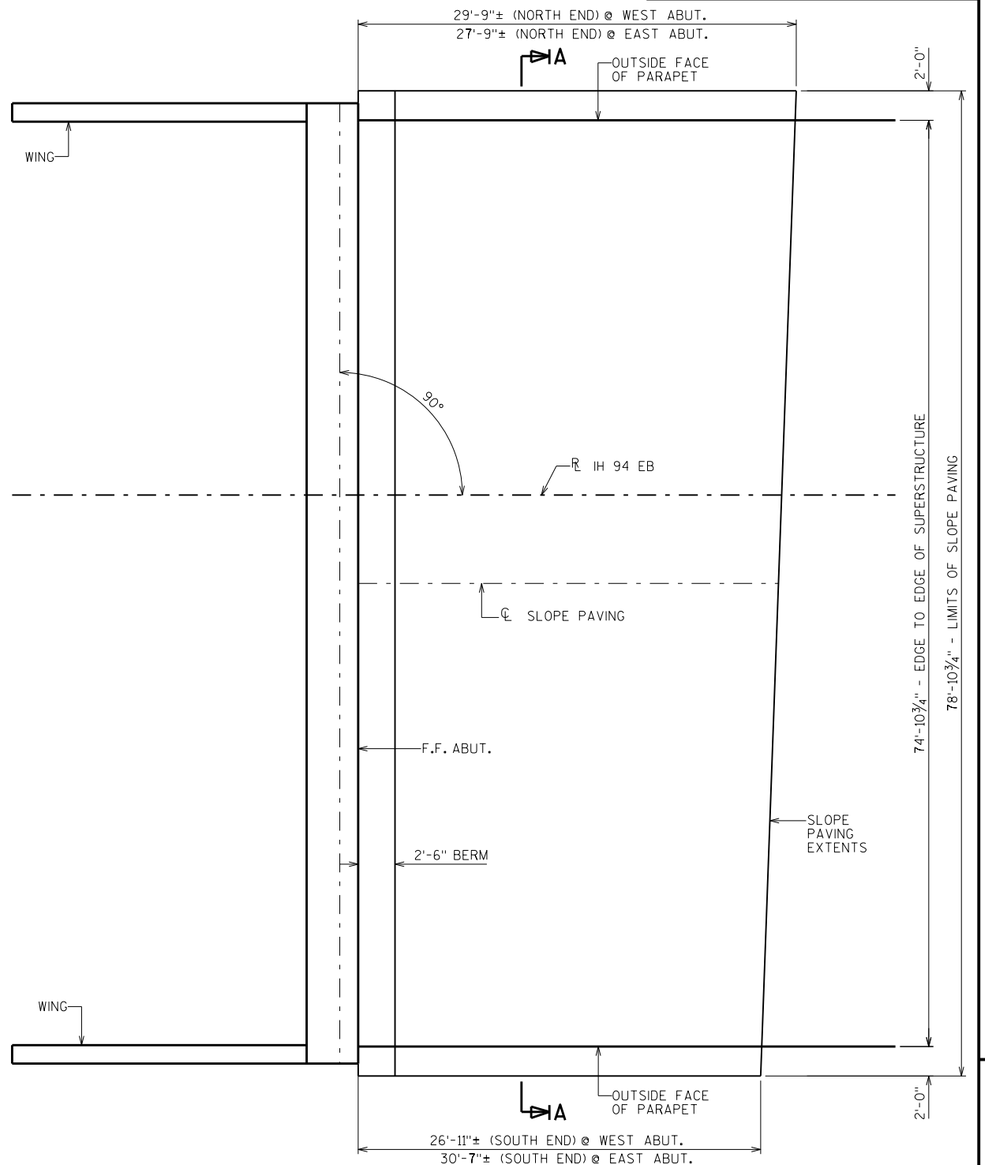


SECTION A-A



CROSS SECTION THRU SELECT CRUSHED MATERIAL AT ABUTMENTS

ASPHALTIC MATERIAL SHALL NOT BE APPLIED TO THE SURFACE OF SELECT CRUSHED MATERIAL



PLAN AT BOTH ABUTMENTS

WEST ABUTMENT SHOWN / EAST ABUTMENT SIMILAR

NOTES

BID ITEM SHALL BE "SLOPE PAVING SELECT CRUSHED MATERIAL"

WOOD FORMS MAY BE LEFT IN PLACE WHEN OF A QUALITY ACCEPTABLE TO THE ENGINEER.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-253

DRAWN BY MJK | PLANS CK'D. JPH

SLOPE PAVING SELECT CRUSHED MATERIAL

SHEET 20

381

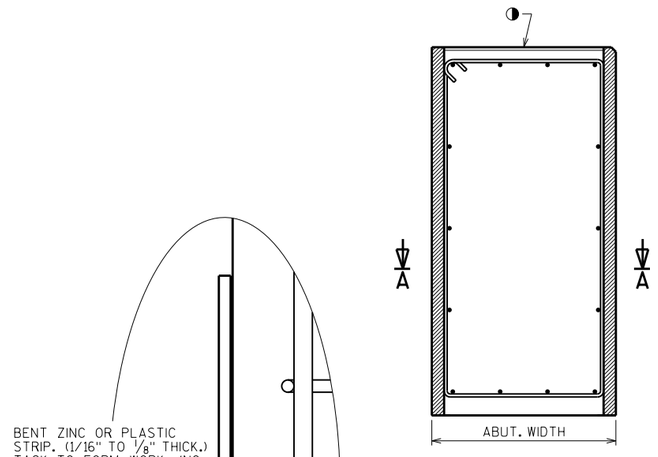
SCALE = 1.00

8

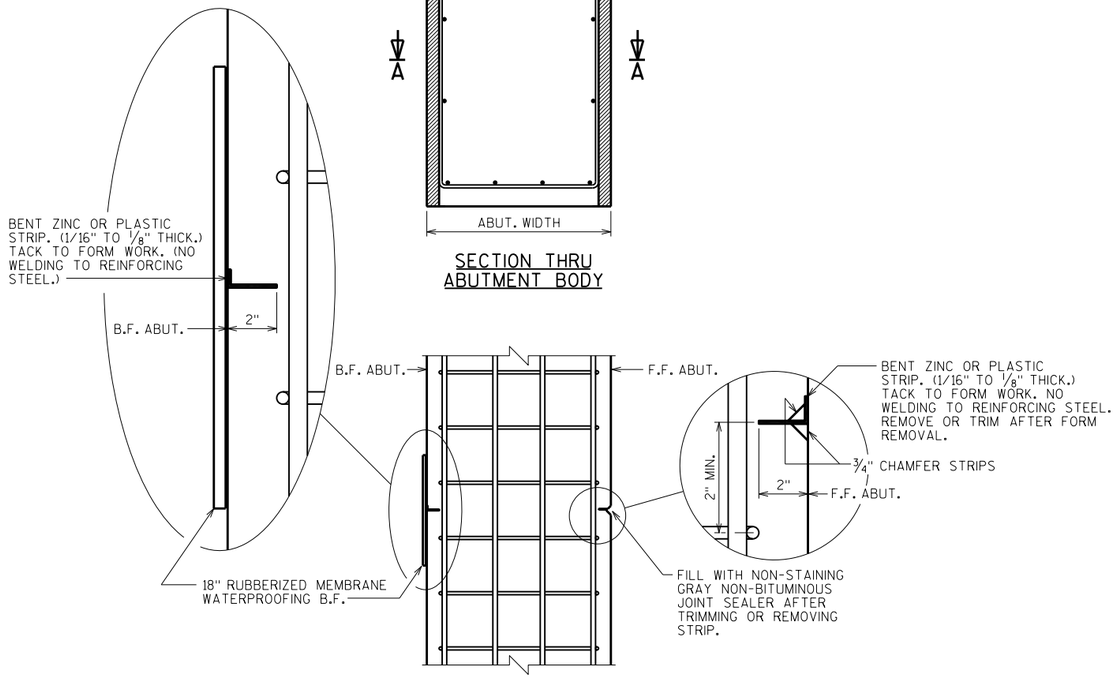
8

STATE PROJECT NUMBER

1020-07-82



SECTION THRU ABUTMENT BODY



SECTION A-A

ALTERNATE CONSTRUCTION JOINT AT ABUTMENT

NOTES

PARTIAL ZINC OR PLASTIC BULKHEAD MAY BE USED AS ALTERNATE CONSTRUCTION JOINT, WITH THE PERMISSION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

VERTICAL CONSTRUCTION JOINT KEYWAY IS NOT REQUIRED WHEN USING ALTERNATE CONSTRUCTION JOINT.

CARE IS TO BE USED IN CASTING CONCRETE AROUND BULKHEAD TO PREVENT DISLOCATION OR MISALIGNMENT OF THE BULKHEAD.

SAW CUTTING JOINT IS NOT ALLOWED.

◑ USE A JOINT TOOL TO CONSTRUCT A CONTRACTION JOINT APPROXIMATELY 1/2" DEEP.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-253

DRAWN BY MJK | PLANS CK'D. JPH

ALTERNATE CONSTRUCTION JOINT

SHEET 21

382

8

8

SCALE = 1.00

Division 2 - 94WB-KINNEY

STATION		REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
				CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
										1.00	1.25	
							NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
269+00	AH	26900.00	0.00	83.61	18.00	4.50	0	0	0	0	0	0
269+50		26950.00	50.00	114.31	18.00	3.82	183	33	8	183	10	140
270+00		27000.00	50.00	176.17	18.00	1.18	269	33	5	452	16	370
270+50		27050.00	50.00	233.12	18.00	0.31	379	33	1	831	18	715
271+00		27100.00	50.00	281.96	18.00	0.04	477	33	0	1,308	18	1,159
271+50		27150.00	50.00	285.19	18.00	1.59	525	33	2	1,833	20	1,648
272+00		27200.00	50.00	278.98	18.00	2.52	522	33	4	2,355	25	2,132
272+50		27250.00	50.00	253.07	18.00	5.83	493	33	8	2,848	35	2,582
273+00		27300.00	50.00	209.10	18.00	12.30	428	33	17	3,276	56	2,956
273+50		27350.00	50.00	22.97	18.00	20.82	215	33	31	3,491	95	3,099
274+00		27400.00	50.00	8.11	18.00	30.79	29	33	48	3,520	155	3,035
274+50		27450.00	50.00	0.00	18.00	52.64	8	33	77	3,528	251	2,914
275+00		27500.00	50.00	0.00	18.00	89.28	0	33	131	3,528	415	2,717
275+50		27550.00	50.00	0.00	18.00	114.90	0	33	189	3,528	651	2,448
276+00		27600.00	50.00	305.63	18.00	164.83	283	33	259	3,811	975	2,374
276+50		27650.00	50.00	426.98	18.00	195.03	678	33	333	4,489	1,391	2,603
277+00		27700.00	50.00	152.72	18.00	363.17	537	33	517	5,026	2,038	2,461
277+50		27750.00	50.00	0.00	18.00	836.85	141	33	1,111	5,167	3,426	1,180
278+00		27800.00	50.00	0.00	18.00	1131.30	0	33	1,822	5,167	5,704	-1,131
278+50		27850.00	50.00	0.00	18.00	1291.12	0	33	2,243	5,167	8,508	-3,968
279+00		27900.00	50.00	0.00	18.00	1227.72	0	33	2,332	5,167	11,423	-6,916
279+50		27950.00	50.00	0.00	18.00	1113.16	0	33	2,167	5,167	14,131	-9,657
280+00		28000.00	50.00	0.00	18.00	1023.07	0	33	1,978	5,167	16,604	-12,163
280+50		28050.00	50.00	0.00	18.00	940.74	0	33	1,818	5,167	18,876	-14,468
281+00		28100.00	50.00	0.01	18.00	868.75	0	33	1,675	5,167	20,970	-16,595
281+50		28150.00	50.00	0.00	18.00	815.85	0	33	1,560	5,167	22,920	-18,578
281+97	BK	28197.14	47.14	14.47	18.00	97.98	13	31	798	5,180	23,918	-19,594
283+81	AH	28381.03	0.00	39.19	18.00	48.04	0	0	0	0	0	0
284+00		28400.00	18.97	0.00	18.00	649.10	14	13	245	14	306	-305
284+50		28450.00	50.00	11.47	18.00	536.15	11	33	1,097	25	1,678	-1,699
285+00		28500.00	50.00	16.84	18.00	427.36	26	33	892	51	2,793	-2,821
285+50		28550.00	50.00	29.64	18.00	338.77	43	33	709	94	3,679	-3,697
286+00		28600.00	50.00	79.53	18.00	265.03	101	33	559	195	4,378	-4,328
286+50		28650.00	50.00	62.68	18.00	167.58	132	33	401	327	4,879	-4,730
287+00		28700.00	50.00	3.19	18.00	116.10	61	33	263	388	5,208	-5,031
287+50		28750.00	50.00	19.19	18.00	72.78	21	33	175	409	5,426	-5,261
288+00		28800.00	50.00	36.31	18.00	39.13	51	33	104	460	5,556	-5,373
288+50		28850.00	50.00	74.08	18.00	7.29	102	33	43	562	5,610	-5,358
289+00		28900.00	50.00	64.18	18.00	1.36	128	33	8	690	5,620	-5,273
289+50		28950.00	50.00	117.68	18.00	3.81	168	33	5	858	5,626	-5,144
290+00		29000.00	50.00	168.05	18.00	2.25	265	33	6	1,123	5,634	-4,920
290+50		29050.00	50.00	181.81	18.00	1.39	324	33	3	1,447	5,638	-4,633
291+00		29100.00	50.00	222.89	18.00	1.93	375	33	3	1,822	5,641	-4,294
291+50		29150.00	50.00	264.14	18.00	0.80	451	33	3	2,273	5,645	-3,880
292+00		29200.00	50.00	228.97	18.00	0.00	457	33	1	2,730	5,646	-3,457
292+50		29250.00	50.00	205.18	18.00	0.00	402	33	0	3,132	5,646	-3,088
293+00		29300.00	50.00	155.34	18.00	0.19	334	33	0	3,466	5,646	-2,787
293+50		29350.00	50.00	95.32	18.00	11.44	232	33	11	3,698	5,660	-2,602
294+00	BK	29400.00	50.00	13.82	18.00	0.00	101	33	11	3,799	5,674	-2,548

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT) - ((FILL) * FILL FACTOR)]

Division 3B - 94EB-KINNEY

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
269+00 AH	26900.00	0.00	0.00	18.00	0.00	0	0	0	0	0	0
269+50	26950.00	50.00	92.87	18.00	7.86	86	33	7	86	9	44
270+00	27000.00	50.00	83.64	18.00	20.57	163	33	26	249	41	142
270+50	27050.00	50.00	104.90	18.00	17.79	175	33	36	424	86	239
271+00	27100.00	50.00	115.37	18.00	15.87	204	33	31	628	125	371
271+50	27150.00	50.00	104.69	18.00	17.59	204	33	31	832	164	503
272+00	27200.00	50.00	122.68	18.00	17.63	211	33	33	1,043	205	640
272+50	27250.00	50.00	121.35	18.00	18.54	226	33	33	1,269	246	792
273+00	27300.00	50.00	152.66	18.00	26.88	254	33	42	1,523	299	960
273+50	27350.00	50.00	143.72	18.00	45.06	274	33	67	1,797	383	1,118
274+00	27400.00	50.00	128.33	18.00	77.73	252	33	114	2,049	525	1,194
274+50	27450.00	50.00	111.88	18.00	111.80	222	33	175	2,271	744	1,164
275+00	27500.00	50.00	67.28	18.00	149.74	166	33	242	2,437	1,046	995
275+50	27550.00	50.00	64.02	18.00	194.78	122	33	319	2,559	1,445	685
276+00	27600.00	50.00	83.32	18.00	224.23	136	33	388	2,695	1,930	303
276+50	27650.00	50.00	116.44	18.00	247.70	185	33	437	2,880	2,476	-91
277+00	27700.00	50.00	104.63	18.00	274.18	205	33	483	3,085	3,080	-523
277+50	27750.00	50.00	100.08	18.00	340.47	190	33	569	3,275	3,791	-1,077
278+00	27800.00	50.00	46.74	18.00	427.02	136	33	711	3,411	4,680	-1,863
278+50	27850.00	50.00	26.37	18.00	532.43	68	33	888	3,479	5,790	-2,938
279+00	27900.00	50.00	13.95	18.00	620.94	37	33	1,068	3,516	7,125	-4,269
279+50	27950.00	50.00	22.32	18.00	799.18	34	33	1,315	3,550	8,769	-5,912
280+00	28000.00	50.00	19.34	18.00	979.57	39	33	1,647	3,589	10,828	-7,965
280+50	28050.00	50.00	0.00	18.00	1069.89	18	33	1,898	3,607	13,200	-10,352
281+00	28100.00	50.00	0.00	18.00	1181.29	0	33	2,084	3,607	15,805	-12,990
281+39	28138.73	38.73	26.61	18.00	1016.79	19	26	1,577	3,626	17,776	-14,968
283+23	28322.63	0.00	0.35	18.00	1232.88	0	0	0	0	0	0
283+50	28350.00	27.37	0.00	18.00	1444.46	0	18	1,357	0	1,696	-1,714
284+00	28400.00	50.00	0.00	18.00	1371.26	0	33	2,607	0	4,955	-5,006
284+50	28450.00	50.00	0.00	18.00	1292.20	0	33	2,466	0	8,038	-8,122
285+00	28500.00	50.00	4.42	18.00	1341.61	4	33	2,439	4	11,086	-11,199
285+50	28550.00	50.00	0.00	18.00	1315.38	4	33	2,460	8	14,161	-14,303
286+00	28600.00	50.00	0.00	18.00	1198.90	0	33	2,328	8	17,071	-17,246
286+50	28650.00	50.00	0.00	18.00	978.03	0	33	2,016	8	19,591	-19,799
287+00	28700.00	50.00	6.95	18.00	856.31	6	33	1,698	14	21,714	-21,949
287+50	28750.00	50.00	18.00	18.00	527.96	23	33	1,282	37	23,316	-23,561
288+00	28800.00	50.00	119.52	18.00	97.61	127	33	579	164	24,040	-24,191
288+50	28850.00	50.00	417.72	18.00	30.90	497	33	119	661	24,189	-23,876
289+00	28900.00	50.00	828.85	18.00	13.25	1,154	33	41	1,815	24,240	-22,806
289+50	28950.00	50.00	1026.65	18.00	8.99	1,718	33	21	3,533	24,266	-21,147
290+00	29000.00	50.00	76.08	18.00	6.40	1,021	33	14	4,554	24,284	-20,177
290+50	29050.00	50.00	973.68	18.00	1.21	972	33	7	5,526	24,293	-19,247
291+00	29100.00	50.00	869.05	18.00	0.13	1,706	33	1	7,232	24,294	-17,575
291+50	29150.00	50.00	99.03	18.00	0.20	896	33	0	8,128	24,294	-16,712
292+00	29200.00	50.00	641.59	18.00	1.01	686	33	1	8,814	24,295	-16,060
292+50	29250.00	50.00	171.53	18.00	2.81	753	33	4	9,567	24,300	-15,345
293+00	29300.00	50.00	102.18	18.00	21.27	253	33	22	9,820	24,328	-15,153
293+50	29350.00	50.00	103.47	18.00	4.93	190	33	24	10,010	24,358	-15,026
294+00 BK	29400.00	50.00	92.86	18.00	1.26	182	33	6	10,192	24,365	-14,884

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT) - ((FILL) * FILL FACTOR)]

Division 2 - 94WB-100TH

STATION		REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
				CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
										1.00	1.25	
							NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
388+00	AH	38800.00	0.00	91.92	18.00	0.00	0	0	0	0	0	0
388+50		38850.00	50.00	80.41	18.00	1.50	160	33	1	160	1	126
389+00		38900.00	50.00	69.48	18.00	6.62	139	33	8	299	11	222
389+50		38950.00	50.00	58.43	18.00	7.30	118	33	13	417	28	291
390+00		39000.00	50.00	52.18	18.00	9.82	102	33	16	519	48	340
390+50		39050.00	50.00	191.28	18.00	20.27	225	33	28	744	83	497
391+00		39100.00	50.00	187.81	18.00	65.67	351	33	80	1,095	183	715
391+50		39150.00	50.00	99.36	18.00	223.03	266	33	267	1,361	516	614
392+00		39200.00	50.00	53.32	18.00	506.94	141	33	676	1,502	1,361	-123
392+50		39250.00	50.00	59.80	18.00	703.75	105	33	1,121	1,607	2,763	-1,453
393+00		39300.00	50.00	1.89	18.00	809.08	57	33	1,401	1,664	4,514	-3,180
393+50		39350.00	50.00	2.24	18.00	860.85	4	33	1,546	1,668	6,446	-5,141
394+00		39400.00	50.00	0.00	18.00	780.36	2	33	1,520	1,670	8,346	-7,072
394+50		39450.00	50.00	0.00	18.00	546.02	0	33	1,228	1,670	9,881	-8,640
395+00		39500.00	50.00	0.00	18.00	341.51	0	33	822	1,670	10,909	-9,701
395+50		39550.00	50.00	0.00	18.00	205.83	0	33	507	1,670	11,543	-10,368
395+71	BK	39571.02	21.02	6.39	18.00	103.22	2	14	120	1,672	11,693	-10,530
397+28	AH	39727.55	0.00	1.33	18.00	101.26	0	0	0	0	0	0
397+50		39750.00	22.45	0.00	18.00	130.28	1	15	96	1	120	-134
398+00		39800.00	50.00	0.00	18.00	135.65	0	33	246	1	428	-475
398+50		39850.00	50.00	0.00	18.00	154.47	0	33	269	1	764	-844
399+00		39900.00	50.00	0.00	18.00	223.73	0	33	350	1	1,201	-1,314
399+50		39950.00	50.00	0.00	18.00	315.15	0	33	499	1	1,825	-1,971
400+00		40000.00	50.00	0.02	18.00	380.99	0	33	645	1	2,631	-2,810
400+50		40050.00	50.00	0.00	18.00	418.14	0	33	740	1	3,556	-3,768
401+00		40100.00	50.00	0.00	18.00	488.11	0	33	839	1	4,605	-4,850
401+50		40150.00	50.00	0.00	18.00	564.61	0	33	975	1	5,824	-6,102
402+00		40200.00	50.00	0.00	18.00	646.07	0	33	1,121	1	7,225	-7,536
402+50		40250.00	50.00	0.00	18.00	754.36	0	33	1,297	1	8,846	-9,190
403+00		40300.00	50.00	0.00	18.00	777.65	0	33	1,419	1	10,620	-10,997
403+50		40350.00	50.00	10.52	18.00	690.72	10	33	1,360	11	12,320	-12,720
404+00		40400.00	50.00	28.94	18.00	506.69	37	33	1,109	48	13,706	-14,102
404+50		40450.00	50.00	42.44	18.00	346.84	66	33	790	114	14,694	-15,057
405+00		40500.00	50.00	55.99	18.00	328.99	91	33	626	205	15,476	-15,781
405+50		40550.00	50.00	65.00	18.00	305.66	112	33	588	317	16,211	-16,437
406+00		40600.00	50.00	71.45	18.00	204.93	126	33	473	443	16,803	-16,936
406+50		40650.00	50.00	80.12	18.00	36.92	140	33	224	583	17,083	-17,109
407+00	BK	40700.00	50.00	92.90	18.00	2.96	160	33	37	743	17,129	-17,028

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT) - ((FILL) * FILL FACTOR)]

Division 3B - 94EB-100TH

STATION		REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
				CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
388+00.00	AH	38800.00	0.00	124.57	18.00	19.77	0	0	0	0	0	0
388+50.00		38850.00	50.00	129.86	18.00	41.86	236	33	57	236	71	132
389+00.00		38900.00	50.00	126.07	18.00	61.16	237	33	95	473	190	217
389+50.00		38950.00	50.00	116.87	18.00	0.00	225	33	57	698	261	338
390+00.00		39000.00	50.00	97.88	18.00	71.45	199	33	66	897	344	421
390+50.00		39050.00	50.00	78.52	18.00	97.40	163	33	156	1,060	539	356
391+00.00		39100.00	50.00	60.15	18.00	94.28	128	33	177	1,188	760	230
391+50.00		39150.00	50.00	44.65	18.00	108.78	97	33	188	1,285	995	59
392+00.00		39200.00	50.00	24.94	18.00	164.04	64	33	253	1,349	1,311	-226
392+50.00		39250.00	50.00	17.34	18.00	80.16	39	33	226	1,388	1,594	-503
393+00.00		39300.00	50.00	6.31	18.00	24.08	22	33	97	1,410	1,715	-635
393+50.00		39350.00	50.00	0.39	18.00	40.62	6	33	60	1,416	1,790	-737
394+00.00		39400.00	50.00	0.00	18.00	65.91	0	33	99	1,416	1,914	-894
394+50.00		39450.00	50.00	0.00	18.00	88.73	0	33	143	1,416	2,093	-1,106
395+00.00		39500.00	50.00	0.00	18.00	105.45	0	33	180	1,416	2,318	-1,364
395+50.00		39550.00	50.00	0.00	18.00	250.30	0	33	329	1,416	2,729	-1,808
395+66.94	BK	39566.94	16.94	0.00	18.00	214.63	0	11	146	1,416	2,911	-2,001
397+23.44	AH	39723.44	0.00	0.00	18.00	134.50	0	0	0	1,416	0	-2,001
397+50.00		39750.00	26.56	0.00	18.00	643.63	0	18	383	1,416	479	-2,498
398+00.00		39800.00	50.00	0.00	18.00	597.63	0	33	1,149	1,416	1,915	-3,967
398+50.00		39850.00	50.00	0.00	18.00	524.98	0	33	1,039	1,416	3,214	-5,299
399+00.00		39900.00	50.00	0.00	18.00	704.67	0	33	1,139	1,416	4,638	-6,756
399+50.00		39950.00	50.00	0.00	18.00	744.69	0	33	1,342	1,416	6,315	-8,466
400+00.00		40000.00	50.00	0.00	18.00	590.64	0	33	1,236	1,416	7,860	-10,044
400+50.00		40050.00	50.00	0.00	18.00	393.52	0	33	911	1,416	8,999	-11,216
401+00.00		40100.00	50.00	0.00	18.00	271.93	0	33	616	1,416	9,769	-12,019
401+50.00		40150.00	50.00	0.00	18.00	223.87	0	33	459	1,416	10,343	-12,626
402+00.00		40200.00	50.00	0.00	18.00	198.10	0	33	391	1,416	10,831	-13,148
402+50.00		40250.00	50.00	0.00	18.00	182.48	0	33	352	1,416	11,271	-13,621
403+00.00		40300.00	50.00	0.00	18.00	150.89	0	33	309	1,416	11,658	-14,040
403+50.00		40350.00	50.00	0.00	18.00	114.30	0	33	246	1,416	11,965	-14,380
404+00.00		40400.00	50.00	9.79	18.00	69.22	9	33	170	1,425	12,178	-14,617
404+50.00		40450.00	50.00	30.32	18.00	35.27	37	33	97	1,462	12,299	-14,734
405+00.00		40500.00	50.00	50.05	18.00	14.26	74	33	46	1,536	12,356	-14,751
405+50.00		40550.00	50.00	65.02	18.00	9.38	107	33	22	1,643	12,384	-14,704
406+00.00		40600.00	50.00	76.75	18.00	0.00	131	33	9	1,774	12,395	-14,617
406+50.00		40650.00	50.00	94.81	18.00	0.00	159	33	0	1,933	12,395	-14,491
407+00.00	BK	40700.00	50.00	112.85	18.00	0.00	192	33	0	2,125	12,395	-14,332

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT) - ((FILL) * FILL FACTOR)]

FILE NAME : pw:\\DCPWAPP1.bkr.mbakercorp.com:pwprod\Documents\Projects\MadisonOffice\168230_IH94_Hudson-Baldwin\3.0 Deliverables\3.02 Roadway\AutoCAD\SheetsOther\SheetsPlan\090101_ew.pptx

PLOT DATE : 03/26/2019 03:55 PM PLOT BY : MICHAEL BAKER INTL PLOT NAME : PLOT SCALE : 1:1

Division 3B - SWEF

STATION		REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
				CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
383+50.00	AH	38350.00	0.00	39.59	13.75	62.79	0	0	0	0	0	0
384+00.00		38400.00	50.00	43.23	13.75	68.97	77	25	122	77	153	-70
384+50.00		38450.00	50.00	36.70	13.75	71.60	74	25	130	151	315	-151
385+00.00		38500.00	50.00	29.83	13.75	83.73	62	25	144	213	495	-258
385+50.00		38550.00	50.00	23.55	13.75	93.03	49	25	164	262	700	-398
386+00.00		38600.00	50.00	45.67	13.75	96.22	64	25	175	326	919	-534
386+50.00		38650.00	50.00	48.75	13.75	99.55	87	25	181	413	1,145	-653
387+00.00		38700.00	50.00	45.60	13.75	90.56	87	25	176	500	1,365	-767
387+50.00		38750.00	50.00	40.74	13.75	81.28	80	25	159	580	1,564	-871
388+00.00		38800.00	50.00	40.55	13.75	56.82	75	25	128	655	1,724	-949
388+50.00		38850.00	50.00	45.39	13.75	30.91	80	25	81	735	1,825	-975
388+61.78	BK	38861.78	11.78	46.19	13.75	19.80	20	6	11	755	1,839	-972

NOTES:	
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2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
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4 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT) - ((FILL) * FILL FACTOR)]

9

9

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	EARTHWORK – SWEF RAMP STAGE 3B	SHEET: 387	E

FILE NAME : pw:\\DCPWAPP1.bkr.mbakercorp.com:pwprod\Documents\Projects\MadisonOffice\168230_IH94_Hudson-Baldwin\3.0 Deliverables\3.02 Roadway\AutoCAD\SheetsOther\SheetsPlan\090101_ew.pptx
PLOT DATE : 03/26/2019 03:55 PM PLOT BY : MICHAEL BAKER INTL PLOT NAME : PLOT SCALE : 1:1

Division 1 - 94-MED-KINNEY-WB

STATION		REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
				CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
										1.00	1.25	
							NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
263+50	AH	26350.00	0.00	3.63	0.00	76.27	0	0	0	0	0	0
264+00		26400.00	50.00	2.57	0.00	94.44	6	0	158	6	198	-192
264+50		26450.00	50.00	1.56	0.00	97.99	4	0	178	10	420	-410
265+00		26500.00	50.00	1.73	0.00	104.56	3	0	188	13	655	-642
265+50		26550.00	50.00	2.02	0.00	126.60	3	0	214	16	923	-907
266+00		26600.00	50.00	5.24	0.00	140.13	7	0	247	23	1,231	-1,208
266+50		26650.00	50.00	1.34	0.00	129.38	6	0	250	29	1,544	-1,515
267+00		26700.00	50.00	1.39	0.00	122.36	3	0	233	32	1,835	-1,803
267+50		26750.00	50.00	1.18	0.00	129.63	2	0	233	34	2,126	-2,092
268+00		26800.00	50.00	1.56	0.00	140.41	3	0	250	37	2,439	-2,402
268+50		26850.00	50.00	2.23	0.00	128.31	4	0	249	41	2,750	-2,709
269+00		26900.00	50.00	3.42	0.00	120.41	5	0	230	46	3,038	-2,992
269+50		26950.00	50.00	4.60	0.00	118.13	7	0	221	53	3,314	-3,261
270+00		27000.00	50.00	5.42	0.00	120.68	9	0	221	62	3,590	-3,528
270+50		27050.00	50.00	4.84	0.00	128.00	10	0	230	72	3,878	-3,806
271+00		27100.00	50.00	5.77	0.00	137.46	10	0	246	82	4,185	-4,103
271+50		27150.00	50.00	4.72	0.00	136.16	10	0	253	92	4,501	-4,409
272+00		27200.00	50.00	5.00	0.00	138.28	9	0	254	101	4,819	-4,718
272+50		27250.00	50.00	3.93	0.00	146.76	8	0	264	109	5,149	-5,040
273+00		27300.00	50.00	3.51	0.00	153.68	7	0	278	116	5,496	-5,380
273+50		27350.00	50.00	3.49	0.00	156.94	6	0	288	122	5,856	-5,734
274+00		27400.00	50.00	3.20	0.00	157.06	6	0	291	128	6,220	-6,092
274+50		27450.00	50.00	3.58	0.00	153.88	6	0	288	134	6,580	-6,446
275+00		27500.00	50.00	2.37	0.00	155.64	6	0	287	140	6,939	-6,799
275+50		27550.00	50.00	1.95	0.00	166.66	4	0	298	144	7,311	-7,167
276+00		27600.00	50.00	0.87	0.00	183.14	3	0	324	147	7,716	-7,569
276+50		27650.00	50.00	0.69	0.00	181.40	1	0	338	148	8,139	-7,991
277+00		27700.00	50.00	0.71	0.00	180.05	1	0	335	149	8,558	-8,409
277+50		27750.00	50.00	0.95	0.00	180.75	2	0	334	151	8,975	-8,824
278+00		27800.00	50.00	1.56	0.00	137.85	2	0	295	153	9,344	-9,191
278+50		27850.00	50.00	4.14	0.00	101.43	5	0	222	158	9,621	-9,463
279+00		27900.00	50.00	1.39	0.00	112.74	5	0	198	163	9,869	-9,706
279+50		27950.00	50.00	1.56	0.00	142.63	3	0	236	166	10,164	-9,998
280+00		28000.00	50.00	1.28	0.00	175.36	3	0	294	169	10,531	-10,362
280+50		28050.00	50.00	1.02	0.00	204.07	2	0	351	171	10,970	-10,799
281+00		28100.00	50.00	0.59	0.00	223.83	1	0	396	172	11,465	-11,293
281+50	BK	28150.00	50.00	0.00	0.00	118.30	1	0	317	173	11,861	-11,688
283+50	AH	28350.00	0.00	0.01	0.00	102.61	0	0	0	0	0	0
284+00		28400.00	50.00	2.22	0.00	223.41	2	0	302	2	378	-376
284+50		28450.00	50.00	4.10	0.00	210.14	6	0	401	8	879	-871

NOTES:	
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2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT) - ((FILL) * FILL FACTOR)]

FILE NAME : pw:\\DCPWAPP1.bkr.mbakercorp.com:pwprod\Documents\Projects\MadisonOffice\168230_IH94_Hudson-Baldwin\3.0 Deliverables\3.02 Roadway\AutoCAD\SheetsOther\SheetsPlan\090101_ew.pptx
PLOT DATE : 03/26/2019 03:55 PM PLOT BY : MICHAEL BAKER INTL PLOT NAME : PLOT SCALE : 1:1

Division 1 - 94-MED-KINNEY-WB

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.10	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
285+00	28500.00	50.00	6.36	0.00	179.57	10	0	361	18	1,170	-1,152
285+50	28550.00	50.00	15.41	0.00	156.91	20	0	312	38	1,514	-1,476
286+00	28600.00	50.00	3.50	0.00	141.03	18	0	276	56	1,817	-1,761
286+50	28650.00	50.00	3.40	0.00	136.42	6	0	257	62	2,100	-2,038
287+00	28700.00	50.00	3.54	0.00	124.47	6	0	242	68	2,366	-2,298
287+50	28750.00	50.00	3.85	0.00	141.43	7	0	246	75	2,637	-2,562
288+00	28800.00	50.00	4.09	0.00	139.26	7	0	260	82	2,923	-2,841
288+50	28850.00	50.00	3.88	0.00	145.32	7	0	263	89	3,212	-3,123
289+00	28900.00	50.00	4.06	0.00	136.87	7	0	261	96	3,499	-3,403
289+50	28950.00	50.00	4.15	0.00	135.90	8	0	253	104	3,777	-3,673
290+00	29000.00	50.00	4.80	0.00	130.39	8	0	247	112	4,049	-3,937
290+50	29050.00	50.00	4.64	0.00	136.84	9	0	247	121	4,321	-4,200
291+00	29100.00	50.00	4.56	0.00	130.26	9	0	247	130	4,593	-4,463
291+50	29150.00	50.00	4.30	0.00	126.85	8	0	238	138	4,854	-4,716
292+00	29200.00	50.00	4.08	0.00	116.89	8	0	226	146	5,103	-4,957
292+50	29250.00	50.00	4.54	0.00	120.00	8	0	219	154	5,344	-5,190
293+00	29300.00	50.00	4.49	0.00	120.83	8	0	223	162	5,589	-5,427
293+50	29350.00	50.00	6.01	0.00	112.05	10	0	216	172	5,827	-5,655
294+00	29400.00	50.00	6.17	0.00	103.81	11	0	200	183	6,047	-5,864
294+50	29450.00	50.00	6.92	0.00	106.77	12	0	195	195	6,261	-6,066
295+00	29500.00	50.00	6.17	0.00	113.49	12	0	204	207	6,486	-6,279
295+50	29550.00	50.00	4.74	0.00	117.33	10	0	214	217	6,721	-6,504
296+00	29600.00	50.00	4.76	0.00	124.54	9	0	224	226	6,967	-6,741
296+50	29650.00	50.00	4.55	0.00	131.03	9	0	237	235	7,228	-6,993
297+00	29700.00	50.00	4.51	0.00	134.10	8	0	245	243	7,498	-7,255
297+50	29750.00	50.00	4.64	0.00	125.52	8	0	240	251	7,762	-7,511
298+00	29800.00	50.00	3.83	0.00	121.63	8	0	229	259	8,014	-7,755
298+50	29850.00	50.00	2.16	0.00	133.77	6	0	236	265	8,273	-8,008
299+00	29900.00	50.00	1.04	0.00	136.87	3	0	251	268	8,549	-8,281
299+50	29950.00	50.00	0.95	0.00	137.25	2	0	254	270	8,829	-8,559
300+00	30000.00	50.00	1.07	0.00	135.13	2	0	252	272	9,106	-8,834
300+50	30050.00	50.00	1.77	0.00	141.33	3	0	256	275	9,387	-9,112
301+00	30100.00	50.00	2.45	0.00	149.24	4	0	269	279	9,683	-9,404
301+50	30150.00	50.00	1.85	0.00	101.41	4	0	232	283	9,939	-9,656
302+00	30200.00	50.00	2.73	0.00	118.99	4	0	204	287	10,163	-9,876
302+50	30250.00	50.00	3.16	0.00	114.05	5	0	216	292	10,401	-10,109
303+00	30300.00	50.00	4.17	0.00	108.99	7	0	207	299	10,628	-10,329
303+50	30350.00	50.00	471.63	0.00	100.19	441	0	194	740	10,842	-10,102
303+99.99 BK	30399.99	49.99	2.43	0.00	93.45	439	0	179	1,179	11,039	-9,860

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT) - ((FILL) * FILL FACTOR)]

Division 2 - 94-MED-KINNEY-WB

STATION		REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
				CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
										1.00	1.25	
							NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
269+49.087	AH	26949.09	0.00	9.87	0.00	0.00	0	0	0	0	0	0
269+50		26950.00	0.91	9.85	0.00	0.01	0	0	0	0	0	0
270+00		27000.00	50.00	7.69	0.00	0.19	16	0	0	16	0	16
270+50		27050.00	50.00	4.61	0.00	0.14	11	0	0	27	0	27
271+00		27100.00	50.00	3.25	0.00	0.64	7	0	1	34	1	33
271+50		27150.00	50.00	2.11	0.00	1.27	5	0	2	39	4	35
272+00		27200.00	50.00	3.35	0.00	2.14	5	0	3	44	8	37
272+50		27250.00	50.00	1.63	0.00	3.56	5	0	5	49	14	35
273+00		27300.00	50.00	1.53	0.00	5.53	3	0	8	52	24	28
273+50		27350.00	50.00	0.00	0.00	8.67	1	0	13	53	40	13
274+00		27400.00	50.00	0.00	0.00	14.71	0	0	22	53	68	-15
274+50		27450.00	50.00	0.00	0.00	20.00	0	0	32	53	108	-55
275+00		27500.00	50.00	0.00	0.00	26.13	0	0	43	53	161	-108
275+50		27550.00	50.00	0.00	0.00	31.99	0	0	54	53	229	-176
276+00		27600.00	50.00	0.00	0.00	38.42	0	0	65	53	310	-257
276+50		27650.00	50.00	0.00	0.00	44.65	0	0	77	53	406	-353
277+00		27700.00	50.00	0.00	0.00	54.15	0	0	91	53	520	-467
277+50		27750.00	50.00	0.00	0.00	61.59	0	0	107	53	654	-601
278+00		27800.00	50.00	0.00	0.00	68.43	0	0	120	53	804	-751
278+50		27850.00	50.00	0.00	0.00	70.29	0	0	128	53	964	-911
279+00		27900.00	50.00	0.00	0.00	75.64	0	0	135	53	1,133	-1,080
279+50		27950.00	50.00	0.00	0.00	75.38	0	0	140	53	1,308	-1,255
280+00		28000.00	50.00	0.00	0.00	76.19	0	0	140	53	1,483	-1,430
280+50		28050.00	50.00	0.00	0.00	77.26	0	0	142	53	1,660	-1,607
281+00		28100.00	50.00	0.00	0.00	77.02	0	0	143	53	1,839	-1,786
281+50	BK	28150.00	50.00	0.00	0.00	74.27	0	0	140	53	2,014	-1,961
284+00	AH	28400.00	0.00	0.00	0.00	52.57	0	0	0	0	0	0
284+50		28450.00	50.00	0.00	0.00	47.25	0	0	92	0	115	-115
285+00		28500.00	50.00	0.00	0.00	43.08	0	0	84	0	220	-220
285+50		28550.00	50.00	0.00	0.00	38.87	0	0	76	0	315	-315
286+00		28600.00	50.00	0.00	0.00	25.34	0	0	59	0	389	-389
286+50		28650.00	50.00	0.08	0.00	21.50	0	0	43	0	443	-443
287+00		28700.00	50.00	1.19	0.00	17.99	1	0	37	1	489	-488
287+50		28750.00	50.00	0.00	0.00	14.36	1	0	30	2	526	-524
288+00		28800.00	50.00	0.00	0.00	17.07	0	0	29	2	563	-561
288+50		28850.00	50.00	0.00	0.00	13.92	0	0	29	2	599	-597
289+00		28900.00	50.00	0.00	0.00	8.30	0	0	21	2	625	-623
289+50		28950.00	50.00	0.00	0.00	7.46	0	0	15	2	644	-642
290+00		29000.00	50.00	0.00	0.00	6.29	0	0	13	2	660	-658
290+50		29050.00	50.00	0.51	0.00	1.91	0	0	8	2	670	-668
291+00		29100.00	50.00	1.82	0.00	0.56	2	0	2	4	673	-669
291+50		29150.00	50.00	3.85	0.00	0.08	5	0	1	9	674	-665
292+00		29200.00	50.00	4.99	0.00	0.08	8	0	0	17	674	-657
292+50		29250.00	50.00	6.61	0.00	0.03	11	0	0	28	674	-646
293+00		29300.00	50.00	6.09	0.00	0.04	12	0	0	40	674	-634
293+50		29350.00	50.00	8.09	0.00	0.04	13	0	0	53	674	-621
294+00	BK	29400.00	50.00	9.23	0.00	0.05	16	0	0	69	674	-605

NOTES:	
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2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT) - ((FILL) * FILL FACTOR)]

FILE NAME : pw:\\DCPWAPP1.bkr.mbakercorp.com:pwprod\Documents\Projects\MadisonOffice\168230_IH94_Hudson-Baldwin\3.0 Deliverables\3.02 Roadway\AutoCAD\SheetsOther\SheetsPlan\090101_ew.pptx
PLOT DATE : 03/26/2019 03:55 PM PLOT BY : MICHAEL BAKER INTL PLOT NAME : PLOT SCALE : 1:1

Division 3A - 94-MED-KINNEY-EB

STATION		REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
				CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
										1.00	1.25	
							NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
266+00	AH	26600.00	0.00	51.89	0.00	4.94	0	0	0	0	0	0
266+50		26650.00	50.00	49.73	0.00	0.14	94	0	5	94	6	88
267+00		26700.00	50.00	46.69	0.00	0.00	89	0	0	183	6	177
267+50		26750.00	50.00	45.76	0.00	1.38	86	0	1	269	8	262
268+00		26800.00	50.00	49.27	0.00	0.00	88	0	1	357	9	348
268+50		26850.00	50.00	44.72	0.00	0.03	87	0	0	444	9	435
269+00		26900.00	50.00	41.03	0.00	0.23	79	0	0	523	9	514
269+50		26950.00	50.00	40.96	0.00	2.19	76	0	2	599	11	588
270+00		27000.00	50.00	43.18	0.00	4.07	78	0	6	677	19	658
270+50		27050.00	50.00	46.65	0.00	2.15	83	0	6	760	26	734
271+00		27100.00	50.00	49.69	0.00	0.97	89	0	3	849	30	819
271+50		27150.00	50.00	51.67	0.00	0.40	94	0	1	943	31	912
272+00		27200.00	50.00	52.83	0.00	0.08	97	0	0	1,040	31	1,009
272+50		27250.00	50.00	53.50	0.00	0.00	98	0	0	1,138	31	1,107
273+00	BK	27300.00	50.00	0.00	0.00	0.00	50	0	0	1,188	31	1,157
293+50	AH	29350.00	0.00	53.20	0.00	0.00	0	0	0	0	0	0
294+00		29400.00	50.00	52.73	0.00	0.97	98	0	1	98	1	97
294+50		29450.00	50.00	52.16	0.00	2.85	97	0	4	195	6	189
295+00		29500.00	50.00	51.79	0.00	4.84	96	0	7	291	15	276
295+50		29550.00	50.00	51.58	0.00	7.20	96	0	11	387	29	358
296+00		29600.00	50.00	50.77	0.00	8.40	95	0	14	482	46	436
296+50		29650.00	50.00	51.53	0.00	5.19	95	0	13	577	63	515
297+00		29700.00	50.00	54.01	0.00	0.00	98	0	5	675	69	606
297+50		29750.00	50.00	61.62	0.00	0.00	107	0	0	782	69	713
298+00		29800.00	50.00	70.76	0.00	0.00	123	0	0	905	69	836
298+50		29850.00	50.00	82.80	0.00	0.00	142	0	0	1,047	69	978
299+00		29900.00	50.00	92.32	0.00	0.00	162	0	0	1,209	69	1,140
299+50		29950.00	50.00	96.73	0.00	0.00	175	0	0	1,384	69	1,315
300+00	BK	30000.00	50.00	91.38	0.00	0.00	174	0	0	1,558	69	1,489

NOTES:	
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2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT) - ((FILL) * FILL FACTOR)]

FILE NAME : pw:\\DCPWAPP1.bkr.mbakercorp.com:pwprod\Documents\Projects\MadisonOffice\168230_IH94_Hudson-Baldwin\3.0 Deliverables\3.02 Roadway\AutoCAD\SheetsOther\SheetsPlan\090101_ew.pptx

PLOT DATE : 03/26/2019 03:55 PM PLOT BY : MICHAEL BAKER INTL PLOT NAME : PLOT SCALE : 1:1

Division 3B - 94-MED-KINNEY-EB

STATION		REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
				CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
										1.00	1.25	
							NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
269+01	AH	26901.00	0.00	1.07	0.00	0.00	0	0	0	0	0	0
269+50		26950.00	49.00	0.56	0.00	0.12	1	0	0	1	0	1
270+00		27000.00	50.00	0.38	0.00	0.44	1	0	1	2	1	1
270+50		27050.00	50.00	0.68	0.00	0.72	1	0	1	3	3	1
271+00		27100.00	50.00	0.30	0.00	1.45	1	0	2	4	5	-1
271+50		27150.00	50.00	0.02	0.00	2.85	0	0	4	4	10	-6
272+00		27200.00	50.00	0.00	0.00	3.07	0	0	5	4	16	-12
272+50		27250.00	50.00	0.00	0.00	5.55	0	0	8	4	26	-22
273+00		27300.00	50.00	0.00	0.00	7.34	0	0	12	4	41	-37
273+50		27350.00	50.00	0.00	0.00	10.90	0	0	17	4	63	-59
274+00		27400.00	50.00	0.00	0.00	14.03	0	0	23	4	91	-87
274+50		27450.00	50.00	0.00	0.00	16.31	0	0	28	4	126	-122
275+00		27500.00	50.00	0.00	0.00	18.91	0	0	33	4	168	-164
275+50		27550.00	50.00	0.00	0.00	22.91	0	0	39	4	216	-212
276+00		27600.00	50.00	0.00	0.00	26.03	0	0	45	4	273	-269
276+50		27650.00	50.00	0.00	0.00	29.13	0	0	51	4	336	-332
277+00		27700.00	50.00	0.00	0.00	31.99	0	0	57	4	408	-404
277+50		27750.00	50.00	0.00	0.00	35.27	0	0	62	4	485	-481
278+00		27800.00	50.00	0.00	0.00	37.29	0	0	67	4	569	-565
278+50		27850.00	50.00	0.00	0.00	39.07	0	0	71	4	658	-654
279+00		27900.00	50.00	0.00	0.00	39.19	0	0	72	4	748	-744
279+50		27950.00	50.00	0.00	0.00	43.94	0	0	77	4	844	-840
280+00		28000.00	50.00	0.00	0.00	44.17	0	0	82	4	946	-942
280+50		28050.00	50.00	0.00	0.00	43.37	0	0	81	4	1,048	-1,044
281+00		28100.00	50.00	0.00	0.00	41.66	0	0	79	4	1,146	-1,142
281+39	BK	28138.72	38.72	0.00	0.00	16.57	0	0	42	4	1,199	-1,195
283+50	AH	28350.00	0.00	0.00	0.00	19.30	0	0	0	0	0	0
284+00		28400.00	50.00	0.00	0.00	33.29	0	0	49	0	61	-61
284+50		28450.00	50.00	0.00	0.00	30.90	0	0	59	0	135	-135
285+00		28500.00	50.00	0.00	0.00	26.53	0	0	53	0	201	-201
285+50		28550.00	50.00	0.00	0.00	21.36	0	0	44	0	256	-256
286+00		28600.00	50.00	0.00	0.00	19.07	0	0	37	0	303	-303
286+50		28650.00	50.00	0.00	0.00	16.00	0	0	32	0	343	-343
287+00		28700.00	50.00	0.00	0.00	11.73	0	0	26	0	375	-375
287+50		28750.00	50.00	0.00	0.00	8.22	0	0	18	0	398	-398
288+00		28800.00	50.00	0.00	0.00	5.98	0	0	13	0	414	-414
288+50		28850.00	50.00	0.00	0.00	2.90	0	0	8	0	424	-424
289+00		28900.00	50.00	0.08	0.00	1.66	0	0	4	0	429	-429
289+50		28950.00	50.00	0.20	0.00	1.26	0	0	3	0	433	-433
290+00		29000.00	50.00	0.93	0.00	0.11	1	0	1	1	434	-433
290+50		29050.00	50.00	2.42	0.00	0.00	3	0	0	4	434	-430
291+00		29100.00	50.00	3.00	0.00	0.00	5	0	0	9	434	-425
291+50		29150.00	50.00	3.18	0.00	0.00	6	0	0	15	434	-419
292+00		29200.00	50.00	3.24	0.00	0.00	6	0	0	21	434	-413
292+50		29250.00	50.00	2.30	0.00	0.00	5	0	0	26	434	-408
293+00		29300.00	50.00	2.08	0.00	0.00	4	0	0	30	434	-404
293+50		29350.00	50.00	1.38	0.00	0.00	3	0	0	33	434	-401
293+99.946	BK	29399.95	49.95	0.53	0.00	0.09	2	0	0	35	434	-399

NOTES:	
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2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT) - ((FILL) * FILL FACTOR)]

Division 1 - 94-MED-100TH-WB

STATION		REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
				CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
383+00.01	AH	38300.01	0.00	0.00	0.00	97.28	0	0	0	0	0	0
383+50		38350.00	49.99	0.00	0.00	96.06	0	0	179	0	224	-224
384+00		38400.00	50.00	0.00	0.00	97.35	0	0	179	0	448	-448
384+50		38450.00	50.00	0.00	0.00	94.45	0	0	178	0	670	-670
385+00		38500.00	50.00	0.00	0.00	101.72	0	0	182	0	898	-898
385+50		38550.00	50.00	0.00	0.00	106.91	0	0	193	0	1,139	-1,139
386+00		38600.00	50.00	0.00	0.00	123.60	0	0	213	0	1,405	-1,405
386+50		38650.00	50.00	0.00	0.00	131.26	0	0	236	0	1,700	-1,700
387+00		38700.00	50.00	0.00	0.00	148.70	0	0	259	0	2,024	-2,024
387+50		38750.00	50.00	0.00	0.00	172.03	0	0	297	0	2,395	-2,395
388+00		38800.00	50.00	0.00	0.00	191.70	0	0	337	0	2,816	-2,816
388+50		38850.00	50.00	0.00	0.00	209.97	0	0	372	0	3,281	-3,281
389+00		38900.00	50.00	0.00	0.00	232.28	0	0	409	0	3,793	-3,793
389+50		38950.00	50.00	0.00	0.00	251.71	0	0	448	0	4,353	-4,353
390+00		39000.00	50.00	0.00	0.00	272.62	0	0	485	0	4,959	-4,959
390+50		39050.00	50.00	0.00	0.00	295.54	0	0	526	0	5,616	-5,616
391+00		39100.00	50.00	0.00	0.00	318.14	0	0	568	0	6,326	-6,326
391+50		39150.00	50.00	0.00	0.00	325.70	0	0	596	0	7,071	-7,071
392+00		39200.00	50.00	0.00	0.00	323.94	0	0	602	0	7,824	-7,824
392+50		39250.00	50.00	0.00	0.00	256.76	0	0	538	0	8,496	-8,496
393+00		39300.00	50.00	0.00	0.00	225.73	0	0	447	0	9,055	-9,055
393+50		39350.00	50.00	0.00	0.00	252.94	0	0	443	0	9,609	-9,609
394+00		39400.00	50.00	0.00	0.00	261.89	0	0	477	0	10,205	-10,205
394+50		39450.00	50.00	0.00	0.00	260.47	0	0	484	0	10,810	-10,810
395+00		39500.00	50.00	0.00	0.00	247.99	0	0	471	0	11,399	-11,399
395+50		39550.00	50.00	0.00	0.00	232.14	0	0	445	0	11,955	-11,955
395+67	BK	39567.41	17.41	0.00	0.00	163.00	0	0	127	0	12,114	-12,114
397+29	AH	39729.41	0.00	0.00	0.00	226.18	0	0	0	0	0	0
397+50		39750.00	20.59	0.00	0.00	257.90	0	0	185	0	231	-231
398+00		39800.00	50.00	0.00	0.00	314.04	0	0	530	0	894	-894

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT) - ((FILL) * FILL FACTOR)]

9

9

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	EARTHWORK – IH 94 WB MEDIAN ROAD AT 100TH STREET STAGE 1	SHEET: 393	E

Division 1 - 94-MED-100TH-WB

STATION		REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
				CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
										1.00	1.25	
							NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
398+50		39850.00	50.00	0.00	0.00	325.43	0	0	592	0	1,634	-1,634
399+00		39900.00	50.00	0.00	0.00	336.31	0	0	613	0	2,400	-2,400
399+50		39950.00	50.00	0.00	0.00	325.13	0	0	612	0	3,165	-3,165
400+00		40000.00	50.00	0.00	0.00	314.36	0	0	592	0	3,905	-3,905
400+50		40050.00	50.00	0.00	0.00	302.85	0	0	571	0	4,619	-4,619
401+00		40100.00	50.00	0.00	0.00	300.45	0	0	559	0	5,318	-5,318
401+50		40150.00	50.00	0.00	0.00	295.24	0	0	552	0	6,008	-6,008
402+00		40200.00	50.00	0.00	0.00	274.17	0	0	527	0	6,666	-6,666
402+50		40250.00	50.00	0.00	0.00	255.08	0	0	490	0	7,279	-7,279
403+00		40300.00	50.00	0.00	0.00	241.20	0	0	460	0	7,854	-7,854
403+50		40350.00	50.00	0.00	0.00	210.26	0	0	418	0	8,376	-8,376
404+00		40400.00	50.00	0.00	0.00	189.45	0	0	370	0	8,839	-8,839
404+50		40450.00	50.00	0.00	0.00	176.68	0	0	339	0	9,263	-9,263
405+00		40500.00	50.00	0.00	0.00	173.07	0	0	324	0	9,668	-9,668
405+50		40550.00	50.00	0.00	0.00	169.92	0	0	318	0	10,065	-10,065
406+00		40600.00	50.00	0.00	0.00	178.35	0	0	322	0	10,468	-10,468
406+50		40650.00	50.00	0.00	0.00	183.53	0	0	335	0	10,886	-10,886
407+00		40700.00	50.00	1.70	0.00	201.74	2	0	357	2	11,333	-11,331
407+50		40750.00	50.00	2.61	0.00	123.88	4	0	301	6	11,709	-11,703
408+00		40800.00	50.00	1.42	0.00	79.64	4	0	188	10	11,944	-11,934
408+50		40850.00	50.00	2.06	0.00	56.57	3	0	126	13	12,101	-12,088
409+00		40900.00	50.00	2.44	0.00	50.17	4	0	99	17	12,225	-12,208
409+50		40950.00	50.00	3.00	0.00	47.40	5	0	90	22	12,338	-12,316
410+00		41000.00	50.00	4.75	0.00	43.55	7	0	84	29	12,443	-12,414
410+50		41050.00	50.00	5.64	0.00	47.26	10	0	84	39	12,548	-12,509
411+00		41100.00	50.00	7.02	0.00	46.81	12	0	87	51	12,656	-12,605
411+50		41150.00	50.00	10.38	0.00	42.05	16	0	82	67	12,759	-12,692
412+00		41200.00	50.00	15.50	0.00	36.86	24	0	73	91	12,850	-12,759
412+50	BK	41250.00	50.00	17.69	0.00	29.98	31	0	62	122	12,928	-12,806

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT) - ((FILL) * FILL FACTOR)]

Division 2 - 94-MED-100TH-WB

STATION		REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
				CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
										1.00	1.25	
							NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
388+44.957	AH	38844.96	0.00	5.99	0.00	0.23	0	0	0	0	0	0
388+50		38850.00	5.04	5.57	0.00	0.31	1	0	0	1	0	1
389+00		38900.00	50.00	1.75	0.00	1.69	7	0	2	8	3	6
389+50		38950.00	50.00	1.73	0.00	3.12	3	0	4	11	8	4
390+00		39000.00	50.00	0.16	0.00	4.98	2	0	8	13	18	-5
390+50		39050.00	50.00	0.00	0.00	6.63	0	0	11	13	31	-18
391+00		39100.00	50.00	0.00	0.00	10.36	0	0	16	13	51	-38
391+50		39150.00	50.00	0.05	0.00	14.77	0	0	23	13	80	-67
392+00		39200.00	50.00	0.16	0.00	17.90	0	0	30	13	118	-105
392+50		39250.00	50.00	0.00	0.00	23.95	0	0	39	13	166	-153
393+00		39300.00	50.00	0.00	0.00	30.35	0	0	50	13	229	-216
393+50		39350.00	50.00	0.00	0.00	32.49	0	0	58	13	301	-288
394+00		39400.00	50.00	0.00	0.00	35.08	0	0	63	13	380	-367
394+50		39450.00	50.00	0.00	0.00	36.52	0	0	66	13	463	-450
395+00		39500.00	50.00	0.00	0.00	40.65	0	0	71	13	551	-538
395+50	BK	39550.00	50.00	0.00	0.00	44.81	0	0	79	13	650	-637
397+50	AH	39750.00	0.00	0.00	0.00	44.68	0	0	0	0	0	0
398+00		39800.00	50.00	0.00	0.00	38.03	0	0	77	0	96	-96
398+50		39850.00	50.00	0.00	0.00	42.35	0	0	74	0	189	-189
399+00		39900.00	50.00	0.00	0.00	45.02	0	0	81	0	290	-290
399+50		39950.00	50.00	0.00	0.00	48.28	0	0	86	0	398	-398
400+00		40000.00	50.00	0.00	0.00	51.23	0	0	92	0	513	-513
400+50		40050.00	50.00	0.00	0.00	47.28	0	0	91	0	626	-626
401+00		40100.00	50.00	0.00	0.00	44.41	0	0	85	0	733	-733
401+50		40150.00	50.00	0.00	0.00	38.09	0	0	76	0	828	-828
402+00		40200.00	50.00	0.00	0.00	34.65	0	0	67	0	911	-911
402+50		40250.00	50.00	0.00	0.00	30.41	0	0	60	0	986	-986
403+00		40300.00	50.00	0.00	0.00	24.63	0	0	51	0	1,050	-1,050
403+50		40350.00	50.00	0.00	0.00	20.98	0	0	42	0	1,103	-1,103
404+00		40400.00	50.00	0.00	0.00	12.94	0	0	31	0	1,141	-1,141
404+50		40450.00	50.00	0.43	0.00	8.49	0	0	20	0	1,166	-1,166
405+00		40500.00	50.00	0.85	0.00	5.94	1	0	13	1	1,183	-1,182
405+50		40550.00	50.00	1.22	0.00	5.24	2	0	10	3	1,195	-1,192
406+00		40600.00	50.00	3.28	0.00	1.72	4	0	6	7	1,203	-1,196
406+50		40650.00	50.00	3.14	0.00	0.59	6	0	2	13	1,205	-1,192
406+99	BK	40699.00	49.00	1.15	0.00	0.07	4	0	1	17	1,206	-1,189

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT) - ((FILL) * FILL FACTOR)]

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Division 3A - 94-MED-100TH-EB

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
378+50 AH	37850.00	0.00	0.10	0.00	78.64	0	0	0	0	0	0
379+00	37900.00	50.00	0.03	0.00	86.98	0	0	153	0	191	-191
379+50	37950.00	50.00	0.11	0.00	88.38	0	0	162	0	394	-394
380+00	38000.00	50.00	7.08	0.00	87.28	7	0	163	7	598	-591
380+50	38050.00	50.00	3.56	0.00	96.87	10	0	171	17	811	-794
381+00	38100.00	50.00	3.52	0.00	93.15	7	0	176	24	1,031	-1,007
381+50	38150.00	50.00	3.95	0.00	92.08	7	0	172	31	1,246	-1,215
382+00	38200.00	50.00	3.31	0.00	92.03	7	0	170	38	1,459	-1,421
382+50	38250.00	50.00	2.19	0.00	98.61	5	0	177	43	1,680	-1,637
383+00	38300.00	50.00	46.25	0.00	1.68	45	0	93	88	1,796	-1,708
383+50	38350.00	50.00	59.67	0.00	0.94	98	0	2	186	1,799	-1,613
384+00	38400.00	50.00	59.75	0.00	3.31	111	0	4	297	1,804	-1,507
384+50	38450.00	50.00	61.20	0.00	6.70	112	0	9	409	1,815	-1,406
385+00	38500.00	50.00	59.53	0.00	5.31	112	0	11	521	1,829	-1,308
385+50	38550.00	50.00	59.89	0.00	3.22	111	0	8	632	1,839	-1,207
386+00	38600.00	50.00	58.70	0.00	2.04	110	0	5	742	1,845	-1,103
386+50	38650.00	50.00	58.98	0.00	1.29	109	0	3	851	1,849	-998
387+00	38700.00	50.00	57.55	0.00	1.39	108	0	2	959	1,851	-892
387+50	38750.00	50.00	57.70	0.00	2.11	107	0	3	1,066	1,855	-789
388+00 BK	38800.00	50.00	58.50	0.00	2.65	108	0	4	1,174	1,860	-686
405+00 AH	40500.00	0.00	62.06	0.00	2.46	0	0	0	0	0	0
405+50	40550.00	50.00	59.40	0.00	2.66	112	0	5	112	6	106
406+00	40600.00	50.00	55.45	0.00	3.58	106	0	6	218	14	204
406+50	40650.00	50.00	52.88	0.00	4.39	100	0	7	318	23	296
407+00	40700.00	50.00	53.60	0.00	3.94	99	0	8	417	33	385
407+50	40750.00	50.00	55.78	0.00	0.91	101	0	4	518	38	481
408+00	40800.00	50.00	52.64	0.00	0.10	100	0	1	618	39	579
408+50	40850.00	50.00	50.74	0.00	0.06	96	0	0	714	39	675
409+00	40900.00	50.00	44.99	0.00	0.16	89	0	0	803	39	764
409+50	40950.00	50.00	37.50	0.00	0.82	76	0	1	879	40	839
410+00	41000.00	50.00	32.08	0.00	1.96	64	0	3	943	44	899
410+50	41050.00	50.00	29.43	0.00	4.69	57	0	6	1,000	51	949
411+00	41100.00	50.00	29.94	0.00	10.37	55	0	14	1,055	69	986
411+50	41150.00	50.00	26.33	0.00	14.49	52	0	23	1,107	98	1,010
412+00	41200.00	50.00	26.52	0.00	17.71	49	0	30	1,156	135	1,021
412+50	41250.00	50.00	21.95	0.00	20.76	45	0	36	1,201	180	1,021
413+00 BK	41300.00	50.00	0.00	0.00	31.41	20	0	48	1,221	240	981

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT) - ((FILL) * FILL FACTOR)]

Division 3B - 94-MED-100TH-EB

STATION		REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
				CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
										1.00	1.25	
							NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
388+00	AH	38800.00	0.00	5.50	0.00	0.00	0	0	0	0	0	0
388+50		38850.00	50.00	4.58	0.00	0.43	9	0	0	9	0	9
389+00		38900.00	50.00	3.31	0.00	0.95	7	0	1	16	1	15
389+50		38950.00	50.00	0.90	0.00	2.24	4	0	3	20	5	15
390+00		39000.00	50.00	0.86	0.00	3.80	2	0	6	22	13	10
390+50		39050.00	50.00	0.00	0.00	5.98	1	0	9	23	24	-1
391+00		39100.00	50.00	0.00	0.00	9.02	0	0	14	23	41	-18
391+50		39150.00	50.00	0.00	0.00	9.40	0	0	17	23	63	-40
392+00		39200.00	50.00	0.19	0.00	9.79	0	0	18	23	85	-62
392+50		39250.00	50.00	0.00	0.00	16.41	0	0	24	23	115	-92
393+00		39300.00	50.00	0.16	0.00	16.55	0	0	31	23	154	-131
393+50		39350.00	50.00	0.00	0.00	18.78	0	0	33	23	195	-172
394+00		39400.00	50.00	0.00	0.00	19.32	0	0	35	23	239	-216
394+50		39450.00	50.00	0.00	0.00	18.97	0	0	35	23	283	-260
395+00		39500.00	50.00	0.00	0.00	22.89	0	0	39	23	331	-308
395+50	BK	39550.00	50.00	0.00	0.00	29.91	0	0	49	23	393	-370
397+50	AH	39750.00	0.00	0.00	0.00	49.60	0	0	0	0	0	0
398+00		39800.00	50.00	0.00	0.00	51.90	0	0	94	0	118	-118
398+50		39850.00	50.00	0.00	0.00	53.25	0	0	97	0	239	-239
399+00		39900.00	50.00	0.00	0.00	53.92	0	0	99	0	363	-363
399+50		39950.00	50.00	0.00	0.00	53.55	0	0	100	0	488	-488
400+00		40000.00	50.00	0.00	0.00	51.52	0	0	97	0	609	-609
400+50		40050.00	50.00	0.00	0.00	45.67	0	0	90	0	721	-721
401+00		40100.00	50.00	0.00	0.00	39.10	0	0	78	0	819	-819
401+50		40150.00	50.00	0.00	0.00	33.34	0	0	67	0	903	-903
402+00		40200.00	50.00	0.00	0.00	30.66	0	0	59	0	976	-976
402+50		40250.00	50.00	0.00	0.00	29.27	0	0	55	0	1,045	-1,045
403+00		40300.00	50.00	0.00	0.00	23.95	0	0	49	0	1,106	-1,106
403+50		40350.00	50.00	0.00	0.00	20.65	0	0	41	0	1,158	-1,158
404+00		40400.00	50.00	0.21	0.00	14.95	0	0	33	0	1,199	-1,199
404+50		40450.00	50.00	0.72	0.00	9.92	1	0	23	1	1,228	-1,227
405+00		40500.00	50.00	0.58	0.00	10.81	1	0	19	2	1,251	-1,249
405+50		40550.00	50.00	0.78	0.00	4.86	1	0	15	3	1,270	-1,267
406+00		40600.00	50.00	1.96	0.00	1.16	3	0	6	6	1,278	-1,272
406+50		40650.00	50.00	3.56	0.00	0.14	5	0	1	11	1,279	-1,268
407+00	BK	40700.00	50.00	5.30	0.00	0.01	8	0	0	19	1,279	-1,260

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT) - ((FILL) * FILL FACTOR)]

DIVISION 4 - 94WB-KINNEY

STATION		REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
				CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
										1.00	1.25	
							NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
269+00	AH	26900.00	0.00	45.69	0.00	1.64	0	0	0	0	0	0
269+50		26950.00	50.00	74.19	0.00	4.07	111	0	5	111	6	105
270+00		27000.00	50.00	64.48	0.00	8.91	128	0	12	239	21	218
270+50		27050.00	50.00	59.96	0.00	8.24	115	0	16	354	41	313
271+00		27100.00	50.00	62.72	0.00	10.57	114	0	17	468	63	406
271+50		27150.00	50.00	61.58	0.00	11.43	115	0	20	583	88	496
272+00		27200.00	50.00	59.29	0.00	13.71	112	0	23	695	116	579
272+50		27250.00	50.00	56.61	0.00	15.74	107	0	27	802	150	652
273+00		27300.00	50.00	52.26	0.00	20.71	101	0	34	903	193	711
273+50		27350.00	50.00	48.13	0.00	25.80	93	0	43	996	246	750
274+00		27400.00	50.00	44.13	0.00	29.01	85	0	51	1,081	310	771
274+50		27450.00	50.00	39.14	0.00	35.54	77	0	60	1,158	385	773
275+00		27500.00	50.00	34.46	0.00	40.13	68	0	70	1,226	473	754
275+50		27550.00	50.00	29.37	0.00	48.06	59	0	82	1,285	575	710
276+00		27600.00	50.00	24.79	0.00	58.60	50	0	99	1,335	699	636
276+50		27650.00	50.00	21.47	0.00	63.75	43	0	113	1,378	840	538
277+00		27700.00	50.00	18.48	0.00	66.37	37	0	120	1,415	990	425
277+50		27750.00	50.00	14.28	0.00	68.46	30	0	125	1,445	1,146	299
278+00		27800.00	50.00	10.41	0.00	70.23	23	0	128	1,468	1,306	162
278+50		27850.00	50.00	8.38	0.00	72.12	17	0	132	1,485	1,471	14
279+00		27900.00	50.00	7.67	0.00	74.76	15	0	136	1,500	1,641	-141
279+50		27950.00	50.00	8.24	0.00	70.58	15	0	135	1,515	1,810	-295
280+00		28000.00	50.00	8.41	0.00	60.38	15	0	121	1,530	1,961	-431
280+50		28050.00	50.00	7.80	0.00	75.82	15	0	126	1,545	2,119	-574
281+00		28100.00	50.00	7.64	0.00	75.02	14	0	140	1,559	2,294	-735
281+50		28150.00	50.00	7.64	0.00	74.84	14	0	139	1,573	2,468	-895
281+97	BK	28197.14	47.14	31.50	0.00	0.00	34	0	65	1,607	2,549	-942
283+81	AH	28381.03	0.00	43.27	0.00	0.00	0	0	0	0	0	0
284+00		28400.00	18.97	9.83	0.00	41.90	19	0	15	19	19	0
284+50		28450.00	50.00	11.76	0.00	41.28	20	0	77	39	115	-76
285+00		28500.00	50.00	13.27	0.00	43.28	23	0	78	62	213	-151
285+50		28550.00	50.00	15.51	0.00	51.51	27	0	88	89	323	-234
286+00		28600.00	50.00	22.05	0.00	32.72	35	0	78	124	420	-296
286+50		28650.00	50.00	29.33	0.00	25.27	48	0	54	172	488	-316
287+00		28700.00	50.00	41.02	0.00	20.06	65	0	42	237	540	-303
287+50		28750.00	50.00	49.55	0.00	29.67	84	0	46	321	598	-277
288+00		28800.00	50.00	52.50	0.00	29.79	94	0	55	415	666	-251
288+50		28850.00	50.00	55.85	0.00	26.29	100	0	52	515	731	-216
289+00		28900.00	50.00	59.29	0.00	21.43	107	0	44	622	786	-164
289+50		28950.00	50.00	62.48	0.00	16.99	113	0	36	735	831	-96
290+00		29000.00	50.00	64.92	0.00	14.34	118	0	29	853	868	-15
290+50		29050.00	50.00	66.66	0.00	12.78	122	0	25	975	899	76
291+00		29100.00	50.00	67.80	0.00	9.93	125	0	21	1,100	925	175
291+50		29150.00	50.00	69.25	0.00	6.47	127	0	15	1,227	944	283
292+00		29200.00	50.00	70.07	0.00	4.10	129	0	10	1,356	956	400
292+50		29250.00	50.00	62.03	0.00	4.94	122	0	8	1,478	966	512
293+00		29300.00	50.00	63.96	0.00	4.57	117	0	9	1,595	978	618
293+50		29350.00	50.00	67.87	0.00	1.56	122	0	6	1,717	985	732
294+00	BK	29400.00	50.00	16.64	0.00	0.00	78	0	1	1,795	986	809

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT) - ((FILL) * FILL FACTOR)]

DIVISION 4 - 94EB-KINNEY

STATION		REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
				CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
										1.00	1.25	
							NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
269+00	AH	26900.00	0.00	59.15	0.00	0.00	0	0	0	0	0	0
269+50		26950.00	50.00	116.26	0.00	0.00	162	0	0	162	0	162
270+00		27000.00	50.00	107.89	0.00	0.00	208	0	0	370	0	370
270+50		27050.00	50.00	101.99	0.00	0.00	194	0	0	564	0	564
271+00		27100.00	50.00	92.94	0.00	0.00	180	0	0	744	0	744
271+50		27150.00	50.00	86.92	0.00	0.00	167	0	0	911	0	911
272+00		27200.00	50.00	80.65	0.00	0.00	155	0	0	1,066	0	1,066
272+50		27250.00	50.00	69.94	0.00	0.00	139	0	0	1,205	0	1,205
273+00		27300.00	50.00	56.73	0.00	0.00	117	0	0	1,322	0	1,322
273+50		27350.00	50.00	42.39	0.00	0.57	92	0	1	1,414	1	1,413
274+00		27400.00	50.00	32.99	0.00	7.86	70	0	8	1,484	11	1,473
274+50		27450.00	50.00	24.63	0.00	17.97	53	0	24	1,537	41	1,496
275+00		27500.00	50.00	17.48	0.00	29.52	39	0	44	1,576	96	1,480
275+50		27550.00	50.00	12.14	0.00	40.33	27	0	65	1,603	178	1,426
276+00		27600.00	50.00	8.26	0.00	51.71	19	0	85	1,622	284	1,338
276+50		27650.00	50.00	5.52	0.00	61.54	13	0	105	1,635	415	1,220
277+00		27700.00	50.00	2.97	0.00	70.35	8	0	122	1,643	568	1,076
277+50		27750.00	50.00	0.30	0.00	86.33	3	0	145	1,646	749	897
278+00		27800.00	50.00	0.00	0.00	100.45	0	0	173	1,646	965	681
278+50		27850.00	50.00	0.00	0.00	111.12	0	0	196	1,646	1,210	436
279+00		27900.00	50.00	0.00	0.00	117.79	0	0	212	1,646	1,475	171
279+50		27950.00	50.00	0.00	0.00	116.17	0	0	217	1,646	1,746	-100
280+00		28000.00	50.00	0.00	0.00	112.18	0	0	211	1,646	2,010	-364
280+50		28050.00	50.00	0.12	0.00	105.74	0	0	202	1,646	2,263	-617
281+00		28100.00	50.00	0.00	0.00	102.13	0	0	192	1,646	2,503	-857
281+39	BK	28138.72	38.72	5.50	0.00	42.13	4	0	103	1,650	2,631	-981
283+23	AH	28322.62	0.00	4.88	0.00	18.60	0	0	0	0	0	0
283+50		28350.00	27.38	0.69	0.00	68.42	3	0	44	3	55	-52
284+00		28400.00	50.00	1.43	0.00	58.28	2	0	117	5	201	-196
284+50		28450.00	50.00	4.60	0.00	44.35	6	0	95	11	320	-309
285+00		28500.00	50.00	16.97	0.00	27.25	20	0	66	31	403	-372
285+50		28550.00	50.00	19.66	0.00	17.74	34	0	42	65	455	-390
286+00		28600.00	50.00	26.63	0.00	10.71	43	0	26	108	488	-380
286+50		28650.00	50.00	35.00	0.00	3.99	57	0	14	165	505	-340
287+00		28700.00	50.00	46.35	0.00	0.46	75	0	4	240	510	-270
287+50		28750.00	50.00	59.63	0.00	0.00	98	0	0	338	510	-172
288+00		28800.00	50.00	71.94	0.00	0.00	122	0	0	460	510	-50
288+50		28850.00	50.00	83.06	0.00	0.00	144	0	0	604	510	94
289+00		28900.00	50.00	92.10	0.00	0.00	162	0	0	766	510	256
289+50		28950.00	50.00	98.97	0.00	0.00	177	0	0	943	510	433
290+00		29000.00	50.00	106.48	0.00	0.00	190	0	0	1,133	510	623
290+50		29050.00	50.00	112.96	0.00	0.00	203	0	0	1,336	510	826
291+00		29100.00	50.00	117.66	0.00	0.00	214	0	0	1,550	510	1,040
291+50		29150.00	50.00	121.18	0.00	0.00	221	0	0	1,771	510	1,261
292+00		29200.00	50.00	123.18	0.00	0.00	226	0	0	1,997	510	1,487
292+50		29250.00	50.00	125.26	0.00	0.00	230	0	0	2,227	510	1,717
293+00		29300.00	50.00	127.38	0.00	0.00	234	0	0	2,461	510	1,951
293+50		29350.00	50.00	129.16	0.00	0.00	238	0	0	2,699	510	2,189
294+00	BK	29400.00	50.00	127.13	0.00	0.00	237	0	0	2,936	510	2,426

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT) - ((FILL) * FILL FACTOR)]

DIVISION 4 - 94WB-100TH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
388+00 AH	38800.00	0.00	93.37	0.00	3.23	0	0	0	0	0	0
388+50	38850.00	50.00	76.20	0.00	11.92	157	0	14	157	18	140
389+00	38900.00	50.00	65.66	0.00	20.05	131	0	30	288	55	233
389+50	38950.00	50.00	67.26	0.00	22.50	123	0	39	411	104	307
390+00	39000.00	50.00	64.57	0.00	27.12	122	0	46	533	161	372
390+50	39050.00	50.00	63.25	0.00	30.02	118	0	53	651	228	424
391+00	39100.00	50.00	60.25	0.00	35.49	114	0	61	765	304	461
391+50	39150.00	50.00	57.77	0.00	38.40	109	0	68	874	389	485
392+00	39200.00	50.00	54.96	0.00	43.80	104	0	76	978	484	494
392+50	39250.00	50.00	52.57	0.00	46.00	100	0	83	1,078	588	491
393+00	39300.00	50.00	49.86	0.00	47.06	95	0	86	1,173	695	478
393+50	39350.00	50.00	48.03	0.00	49.23	91	0	89	1,264	806	458
394+00	39400.00	50.00	40.53	0.00	54.78	82	0	96	1,346	926	420
394+50	39450.00	50.00	23.48	0.00	67.95	59	0	114	1,405	1,069	336
395+00	39500.00	50.00	11.68	0.00	69.98	33	0	128	1,438	1,229	209
395+50	39550.00	50.00	31.69	0.00	56.33	40	0	117	1,478	1,375	103
395+71 BK	39571.02	21.02	67.38	0.00	19.32	39	0	29	1,517	1,411	106
397+28 AH	39727.55	0.00	72.92	0.00	21.61	0	0	0	0	0	0
397+50	39750.00	22.45	8.93	0.00	86.19	34	0	45	34	56	-22
398+00	39800.00	50.00	8.52	0.00	92.51	16	0	165	50	263	-213
398+50	39850.00	50.00	9.71	0.00	89.02	17	0	168	67	473	-406
399+00	39900.00	50.00	12.53	0.00	86.06	21	0	162	88	675	-587
399+50	39950.00	50.00	15.90	0.00	80.64	26	0	154	114	868	-754
400+00	40000.00	50.00	18.85	0.00	70.75	32	0	140	146	1,043	-897
400+50	40050.00	50.00	29.54	0.00	60.04	45	0	121	191	1,194	-1,003
401+00	40100.00	50.00	42.18	0.00	48.85	66	0	101	257	1,320	-1,063
401+50	40150.00	50.00	45.94	0.00	44.98	82	0	87	339	1,429	-1,090
402+00	40200.00	50.00	50.66	0.00	39.11	89	0	78	428	1,526	-1,098
402+50	40250.00	50.00	55.90	0.00	31.03	99	0	65	527	1,608	-1,081
403+00	40300.00	50.00	62.38	0.00	21.75	110	0	49	637	1,669	-1,032
403+50	40350.00	50.00	70.28	0.00	12.15	123	0	31	760	1,708	-948
404+00	40400.00	50.00	79.26	0.00	5.45	138	0	16	898	1,728	-830
404+50	40450.00	50.00	84.72	0.00	2.56	152	0	7	1,050	1,736	-686
405+00	40500.00	50.00	88.86	0.00	1.75	161	0	4	1,211	1,741	-530
405+50	40550.00	50.00	95.68	0.00	0.53	171	0	2	1,382	1,744	-362
406+00	40600.00	50.00	97.96	0.00	1.43	179	0	2	1,561	1,746	-185
406+50	40650.00	50.00	100.43	0.00	1.04	184	0	2	1,745	1,749	-4
407+00 BK	40700.00	50.00	147.94	0.00	0.48	230	0	1	1,975	1,750	225

NOTES:	
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2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT) - ((FILL) * FILL FACTOR)]

FILE NAME : pw:\\DCPWAPP1.bkr.mbakercorp.com:pwprod\Documents\Projects\MadisonOffice\168230_IH94_Hudson-Baldwin\3.0 Deliverables\3.02 Roadway\AutoCAD\SheetsOther\SheetsPlan\090101_ew.pptx
PLOT DATE : 03/26/2019 03:55 PM PLOT BY : MICHAEL BAKER INTL PLOT NAME : PLOT SCALE : 1:1

DIVISION 4 - 94EB-100TH

STATION		REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
				CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
										1.00	1.25	
							NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
388+00	AH	38800.00	0.00	114.29	0.00	2.53	0	0	0	0	0	0
388+50		38850.00	50.00	101.83	0.00	5.16	200	0	7	200	9	191
389+00		38900.00	50.00	95.02	0.00	9.22	182	0	13	382	25	357
389+50		38950.00	50.00	93.24	0.00	11.15	174	0	19	556	49	507
390+00		39000.00	50.00	91.38	0.00	12.32	171	0	22	727	76	651
390+50		39050.00	50.00	87.68	0.00	16.55	166	0	27	893	110	783
391+00		39100.00	50.00	79.61	0.00	20.24	155	0	34	1,048	153	896
391+50		39150.00	50.00	67.68	0.00	19.50	136	0	37	1,184	199	985
392+00		39200.00	50.00	59.38	0.00	12.13	118	0	29	1,302	235	1,067
392+50		39250.00	50.00	49.31	0.00	9.41	101	0	20	1,403	260	1,143
393+00		39300.00	50.00	40.60	0.00	7.61	83	0	16	1,486	280	1,206
393+50		39350.00	50.00	43.59	0.00	18.56	78	0	24	1,564	310	1,254
394+00		39400.00	50.00	41.75	0.00	26.99	79	0	42	1,643	363	1,281
394+50		39450.00	50.00	34.82	0.00	34.99	71	0	57	1,714	434	1,280
395+00		39500.00	50.00	23.33	0.00	40.93	54	0	70	1,768	521	1,247
395+50		39550.00	50.00	19.86	0.00	49.00	40	0	83	1,808	625	1,183
395+67	BK	39566.92	16.92	27.40	0.00	26.11	15	0	24	1,823	655	1,168
397+23	AH	39723.45	0.00	30.04	0.00	78.83	0	0	0	0	0	0
397+50		39750.00	26.55	12.08	0.00	73.63	21	0	75	21	94	-73
398+00		39800.00	50.00	10.49	0.00	78.02	21	0	140	42	269	-227
398+50		39850.00	50.00	21.60	0.00	81.11	30	0	147	72	453	-381
399+00		39900.00	50.00	31.62	0.00	82.71	49	0	152	121	643	-522
399+50		39950.00	50.00	35.61	0.00	83.75	62	0	154	183	835	-652
400+00		40000.00	50.00	38.48	0.00	82.66	69	0	154	252	1,028	-776
400+50		40050.00	50.00	45.08	0.00	77.19	77	0	148	329	1,213	-884
401+00		40100.00	50.00	50.68	0.00	70.45	89	0	137	418	1,384	-966
401+50		40150.00	50.00	55.42	0.00	62.70	98	0	123	516	1,538	-1,022
402+00		40200.00	50.00	61.32	0.00	49.99	108	0	104	624	1,668	-1,044
402+50		40250.00	50.00	67.39	0.00	41.31	119	0	85	743	1,774	-1,031
403+00		40300.00	50.00	73.00	0.00	31.92	130	0	68	873	1,859	-986
403+50		40350.00	50.00	78.55	0.00	19.83	140	0	48	1,013	1,919	-906
404+00		40400.00	50.00	85.49	0.00	8.22	152	0	26	1,165	1,951	-786
404+50		40450.00	50.00	95.43	0.00	4.01	168	0	11	1,333	1,965	-632
405+00		40500.00	50.00	102.26	0.00	1.30	183	0	5	1,516	1,971	-455
405+50		40550.00	50.00	108.49	0.00	0.60	195	0	2	1,711	1,974	-263
406+00		40600.00	50.00	110.12	0.00	0.62	202	0	1	1,913	1,975	-62
406+50		40650.00	50.00	108.12	0.00	0.99	202	0	1	2,115	1,976	139
407+00	BK	40700.00	50.00	17.17	0.00	0.00	116	0	1	2,231	1,978	254

NOTES:	
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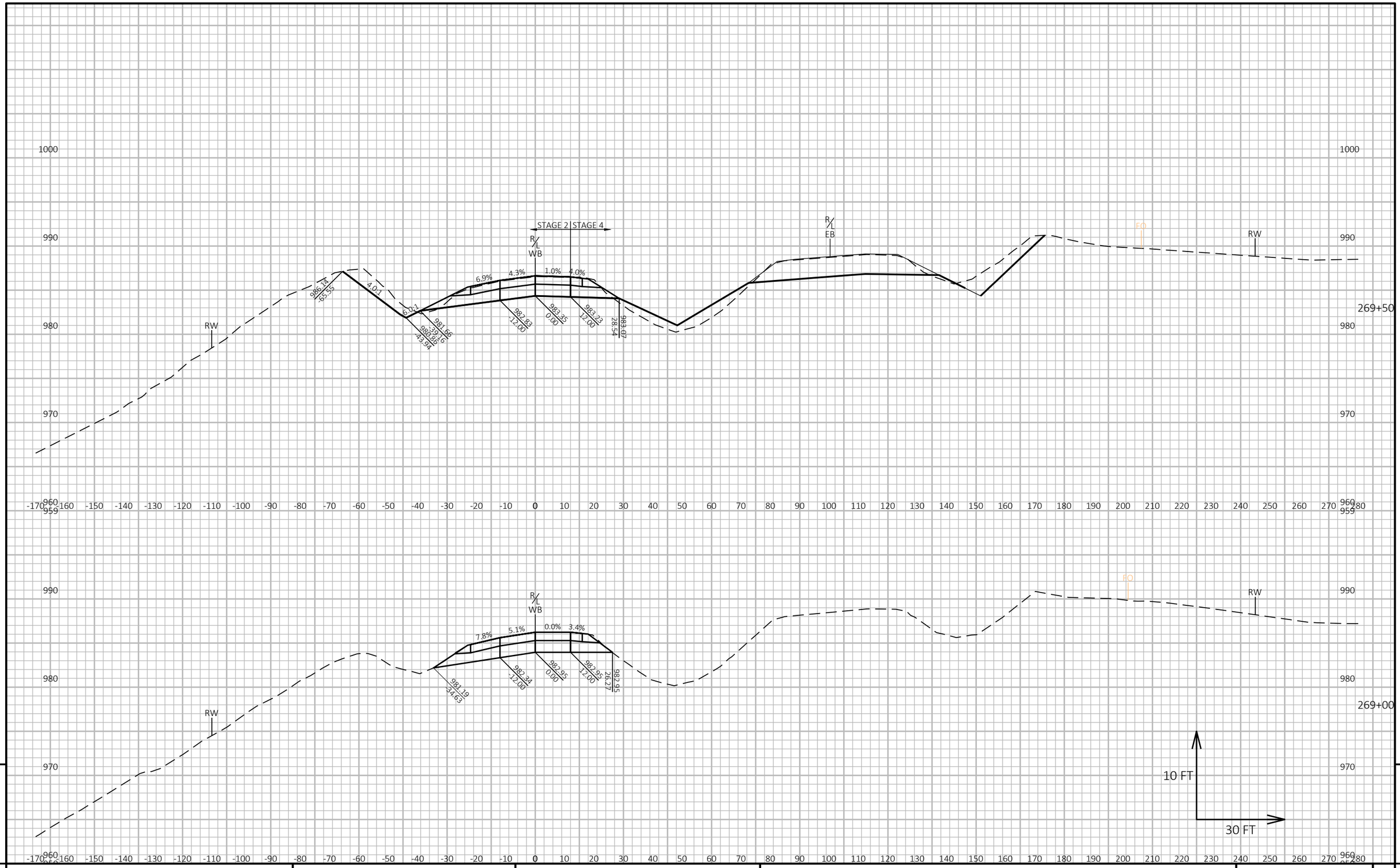
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT) - ((FILL) * FILL FACTOR)]

FILE NAME : pw:\\DCPWAPP1.bkr.mbakercorp.com:pwprod\Documents\Projects\MadisonOffice\168230_IH94_Hudson-Baldwin\3.0 Deliverables\3.02 Roadway\AutoCAD\SheetsOther\SheetsPlan\090101_ew.pptx
PLOT DATE : 03/26/2019 03:55 PM PLOT BY : MICHAEL BAKER INTL PLOT NAME : PLOT SCALE : 1:1

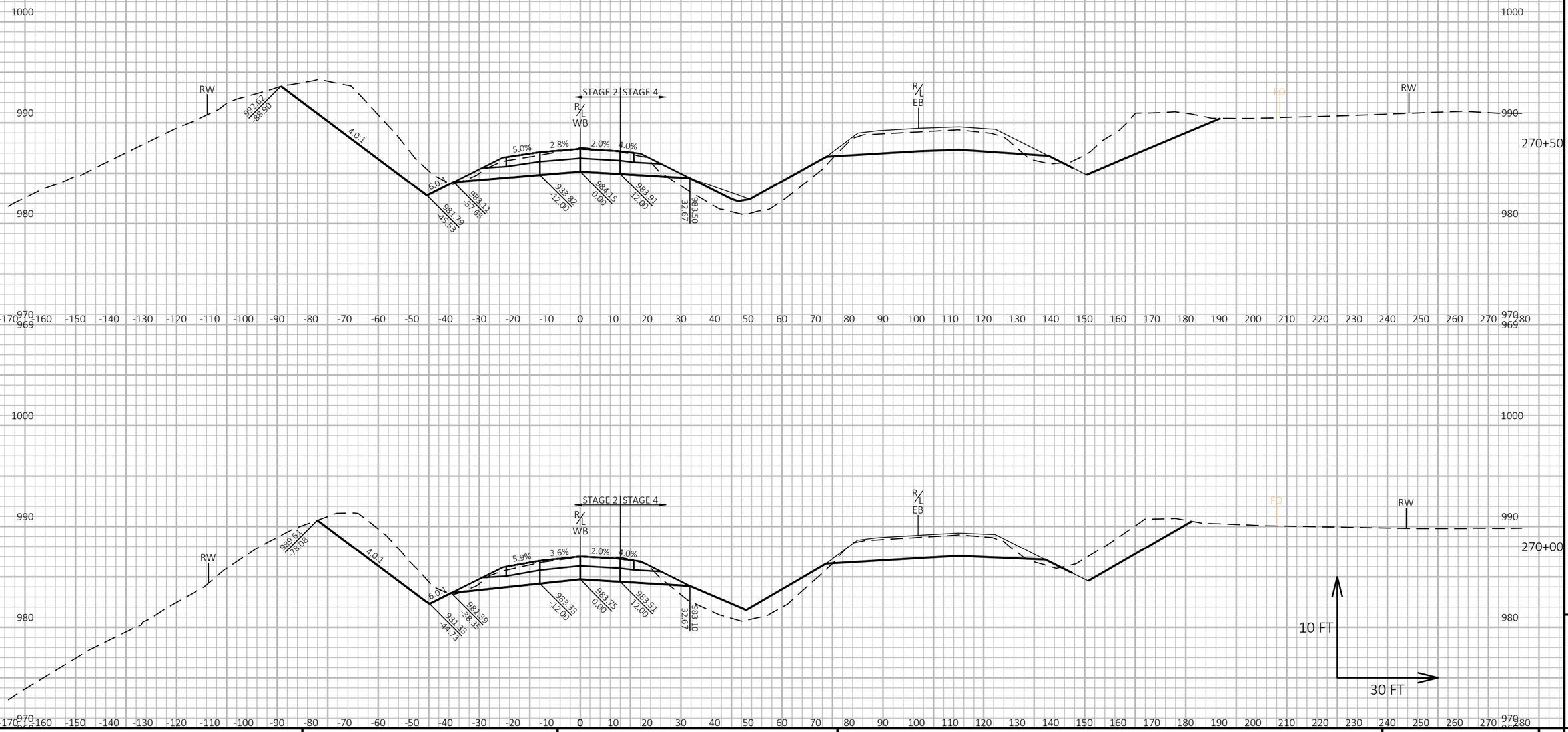


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 402 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090201-XS

PLOT DATE : 5/8/2024 1:35 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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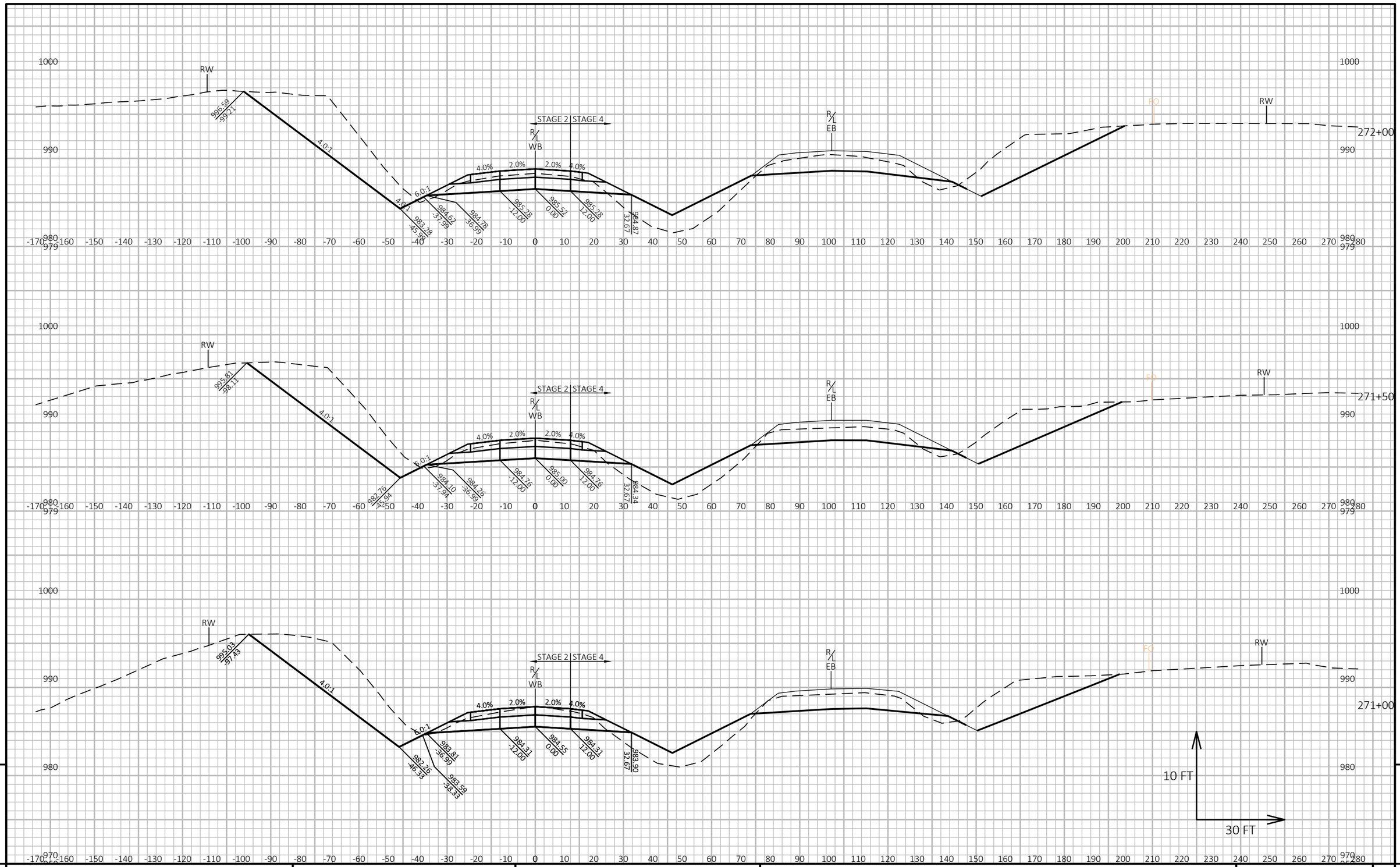
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 403	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090202-XS

PLOT DATE : 5/8/2024 1:35 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 404	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090203-XS

PLOT DATE : 5/8/2024 1:35 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 405	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090204-XS

PLOT DATE : 5/8/2024 1:35 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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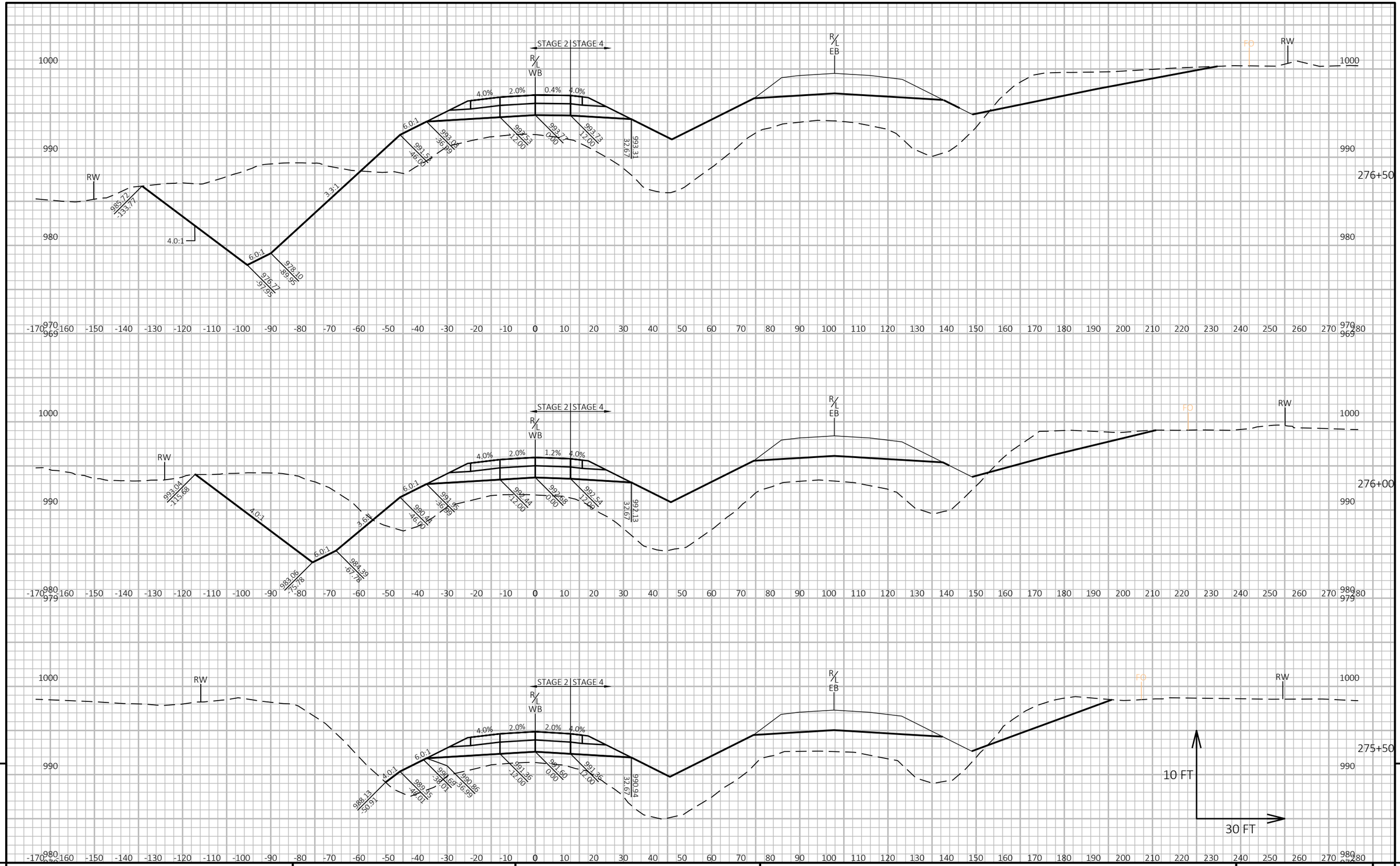
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 406	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090205-XS

PLOT DATE : 5/8/2024 1:35 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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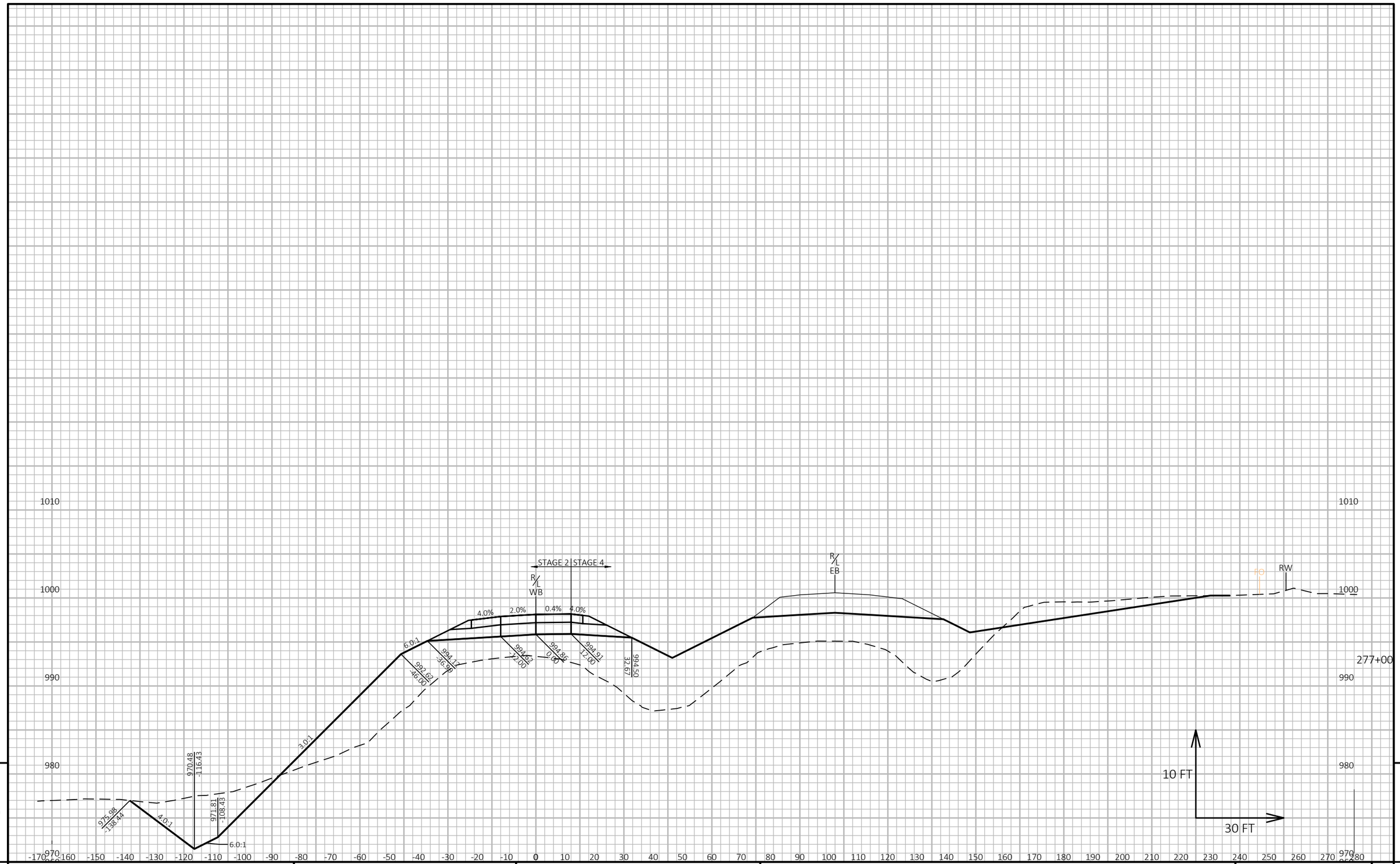
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 407	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090206-XS

PLOT DATE : 5/8/2024 1:36 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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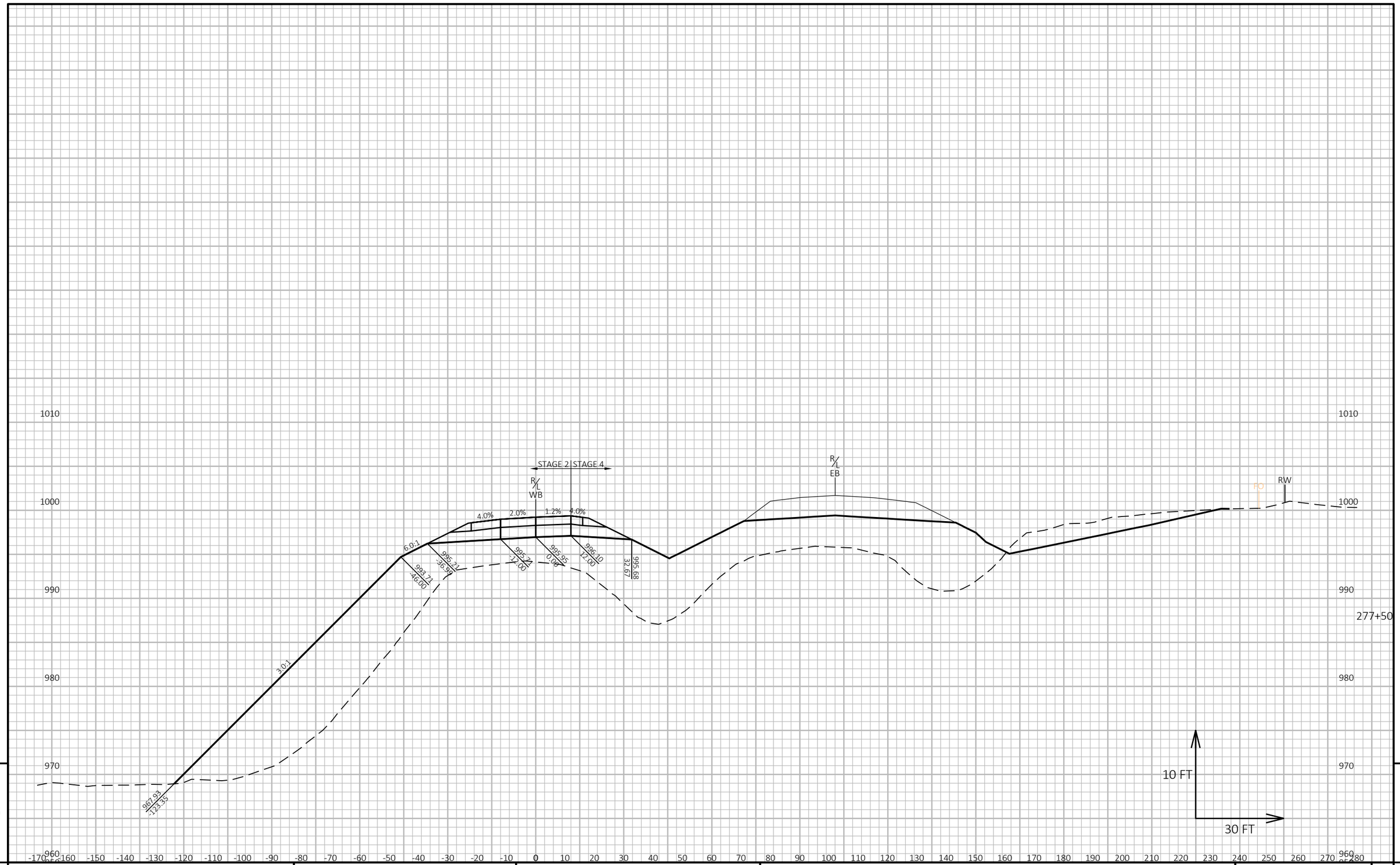
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 408	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090207-XS

PLOT DATE : 5/8/2024 1:36 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

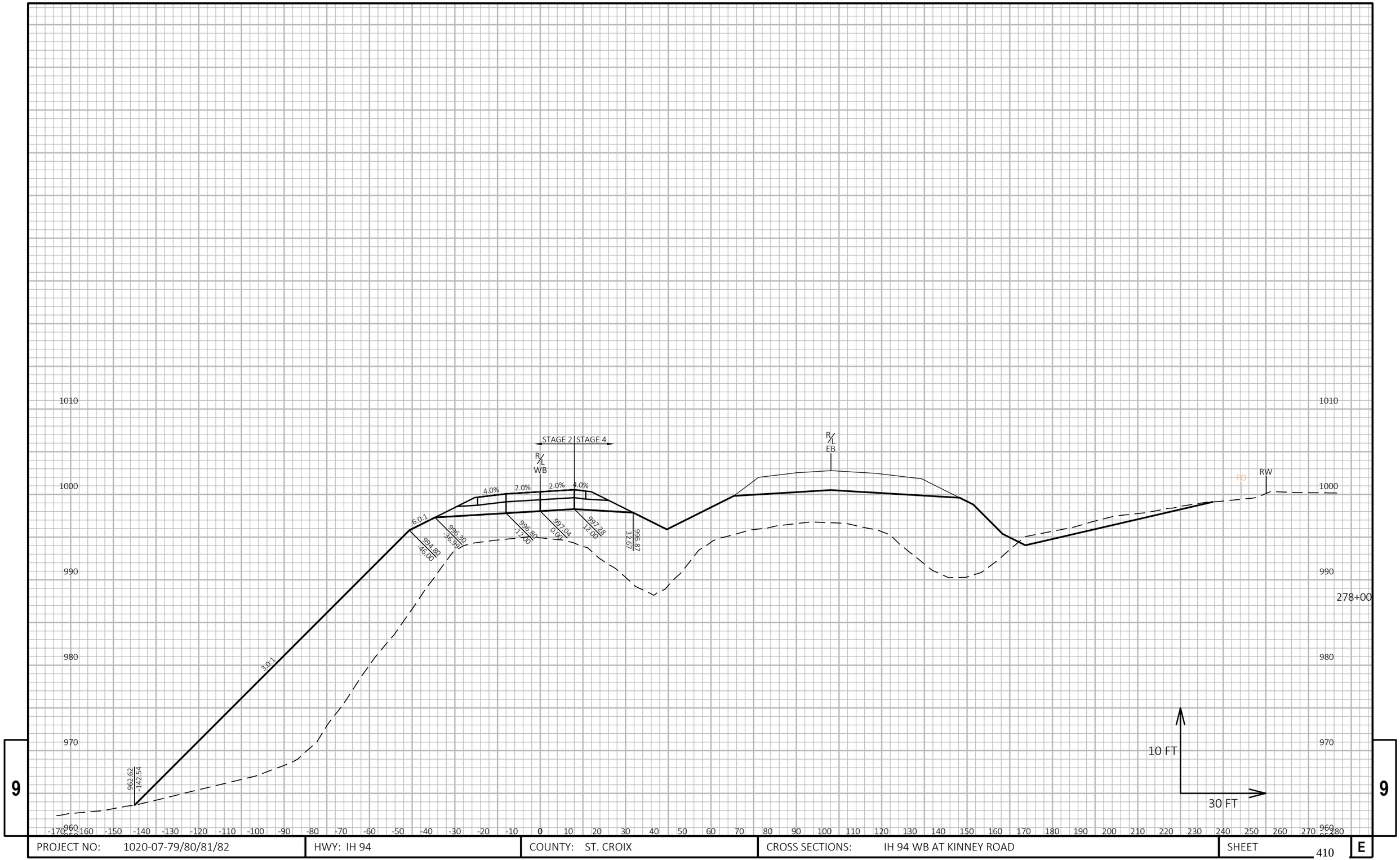


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 409	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090208-XS

PLOT DATE : 5/10/2024 12:29 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



1010 1010

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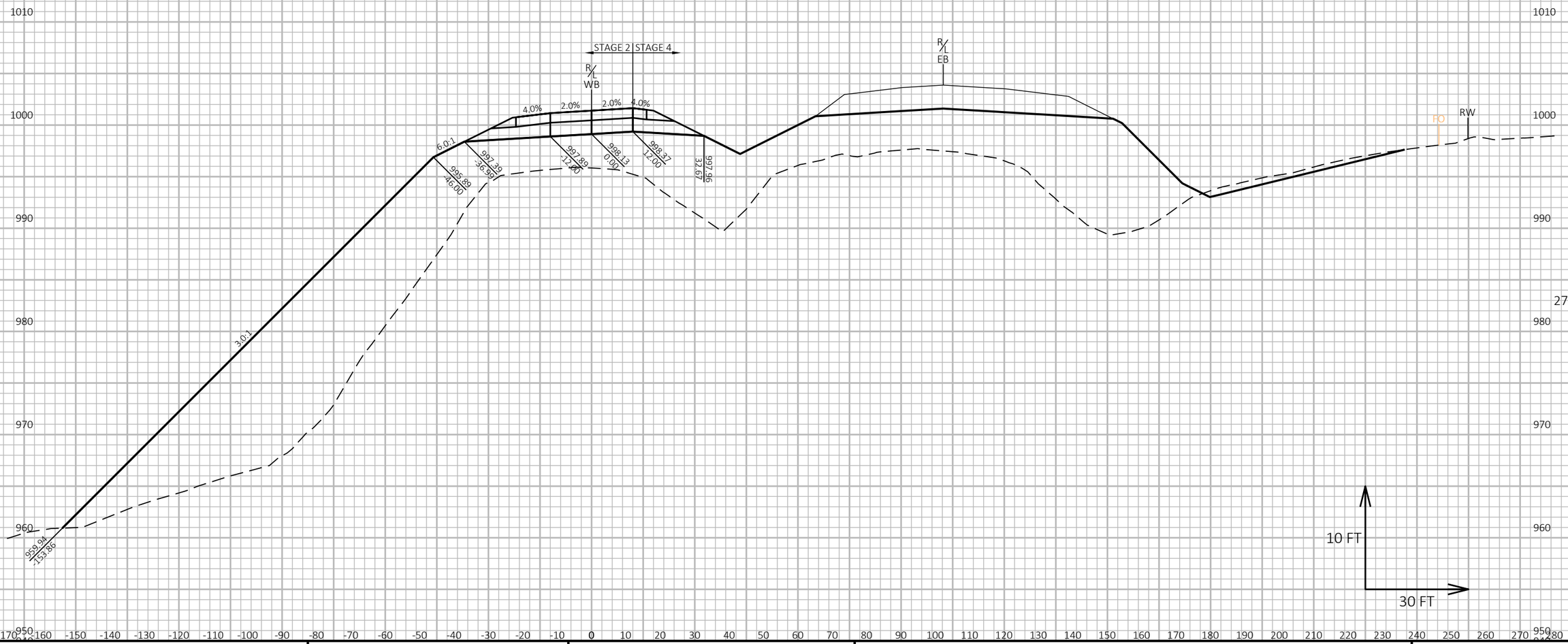
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 410	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090209-XS

PLOT DATE : 5/8/2024 1:36 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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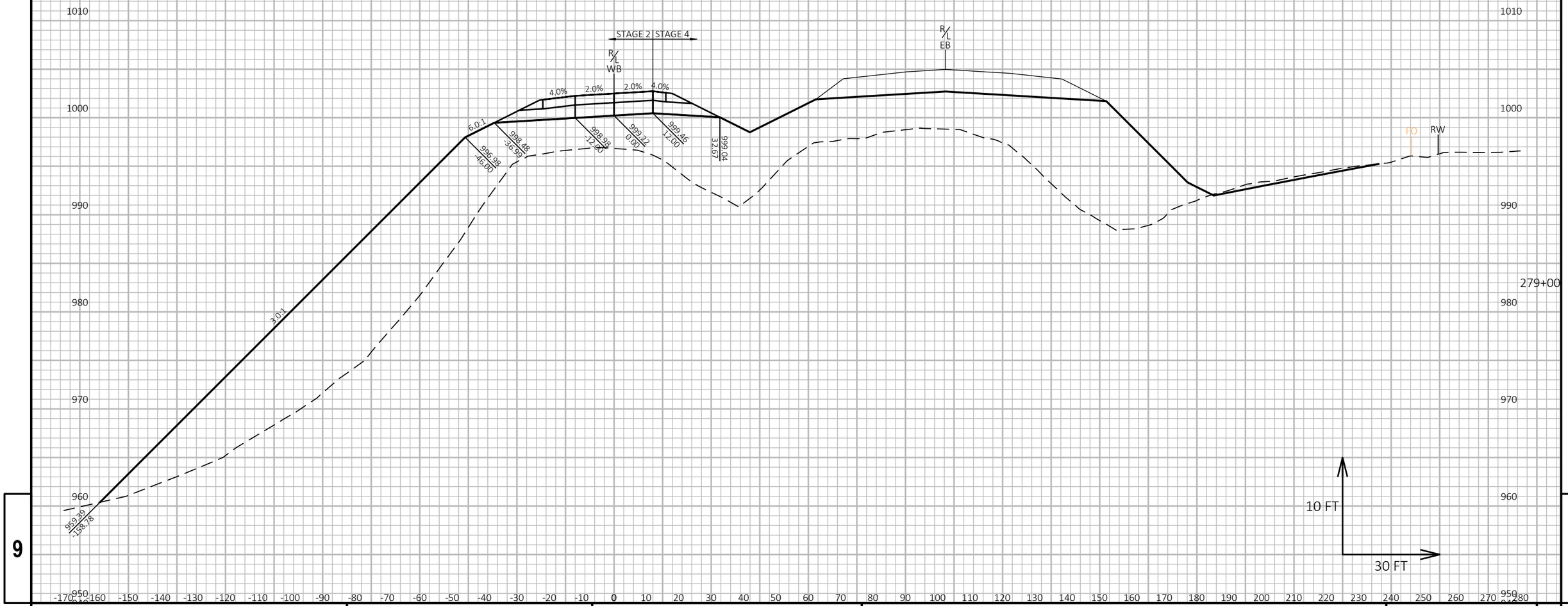
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 411	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090210-XS

PLOT DATE : 5/8/2024 1:36 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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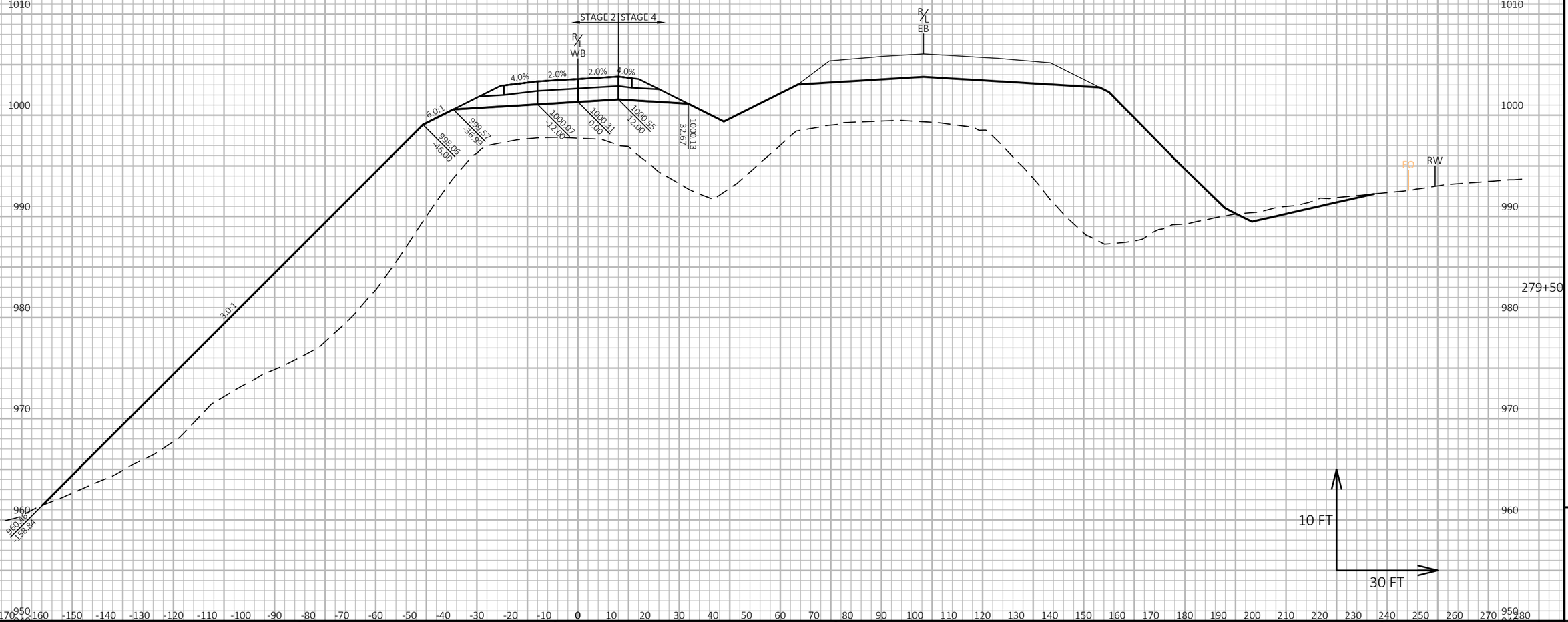
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 412	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090211-XS

PLOT DATE : 5/8/2024 1:36 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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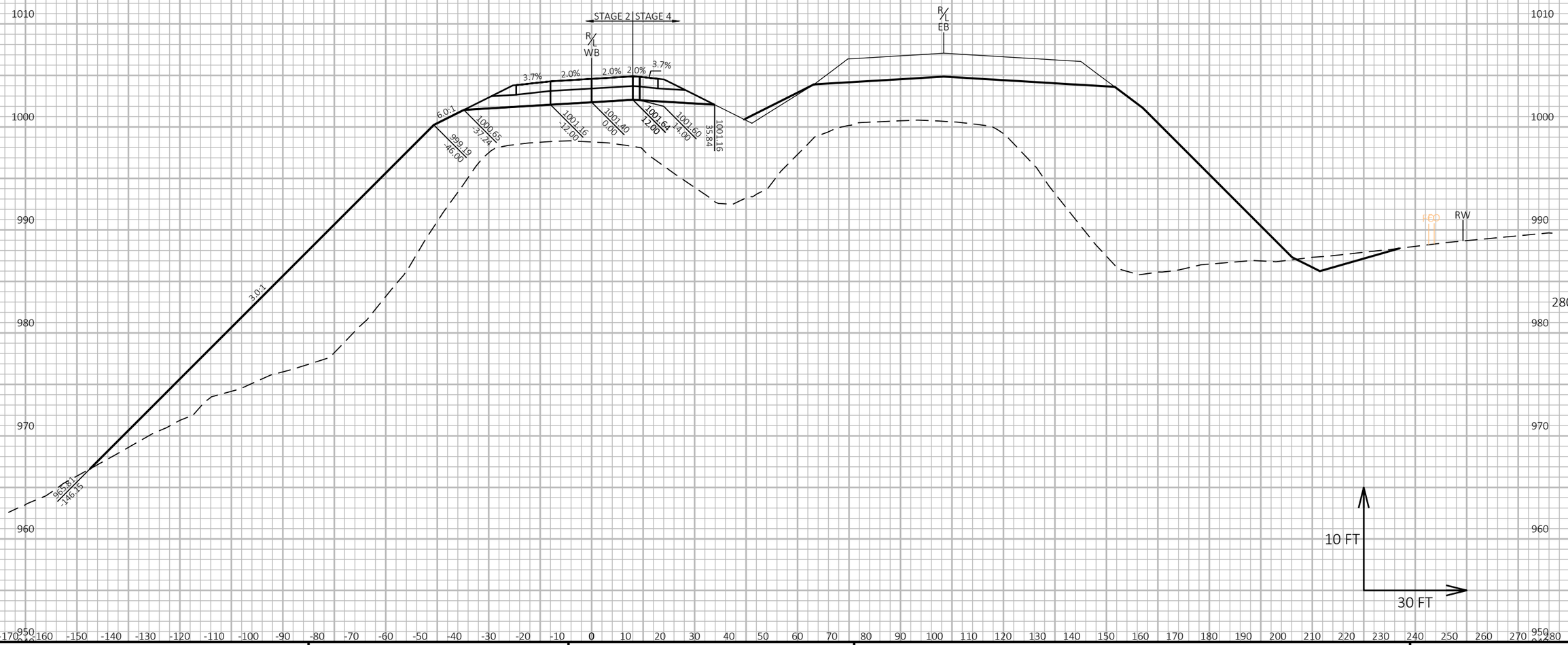
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 413	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090212-XS

PLOT DATE : 5/8/2024 1:36 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

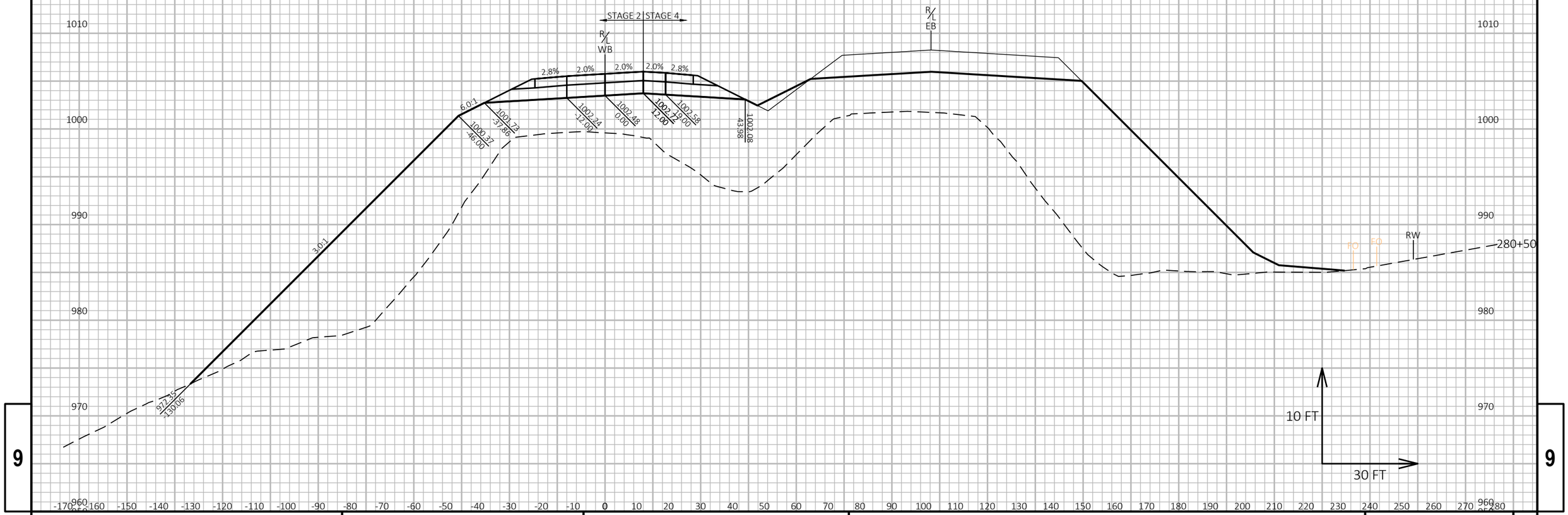


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 414 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090213-XS

PLOT DATE : 5/8/2024 1:36 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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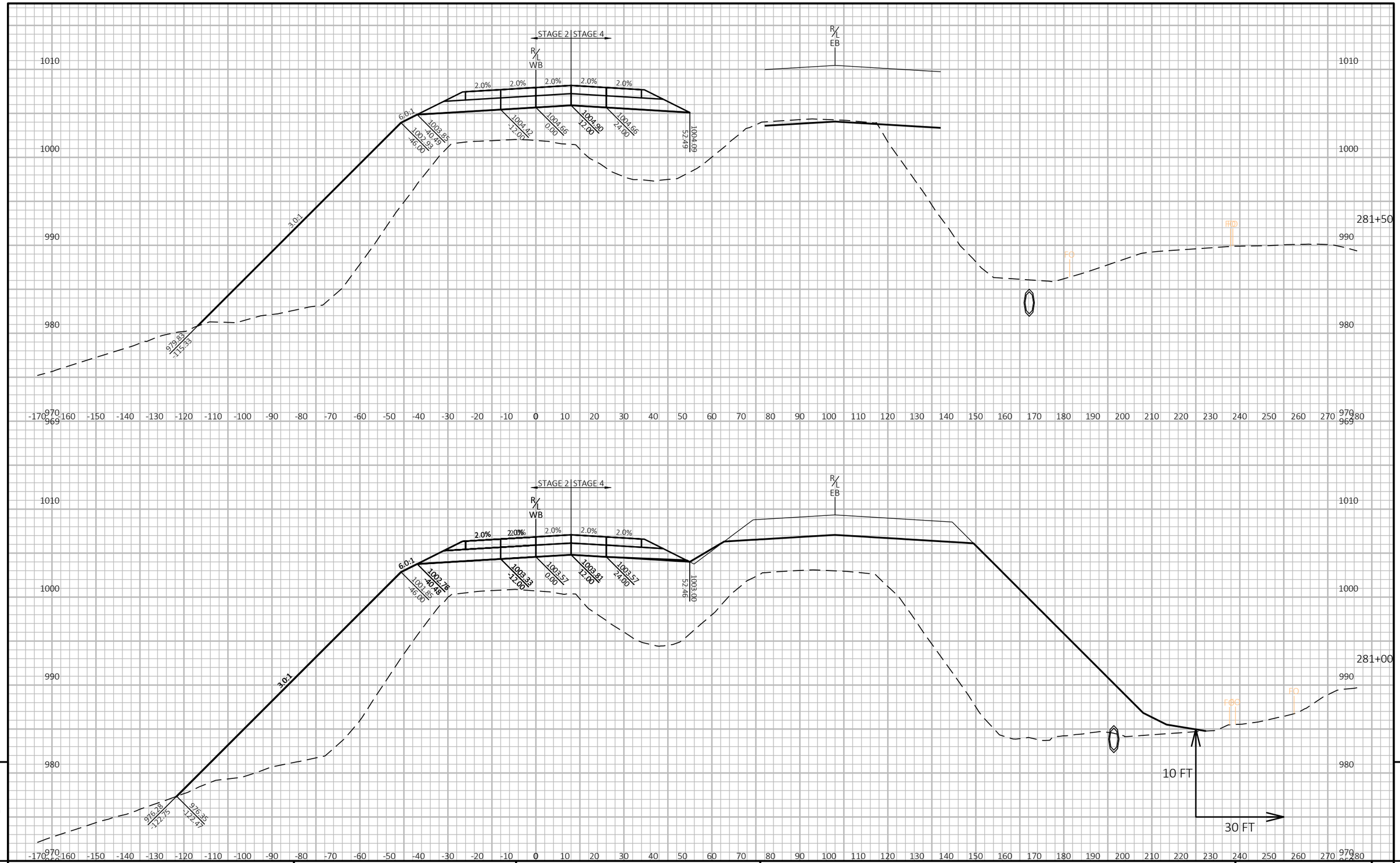
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 415	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090214-XS

PLOT DATE : 5/8/2024 1:36 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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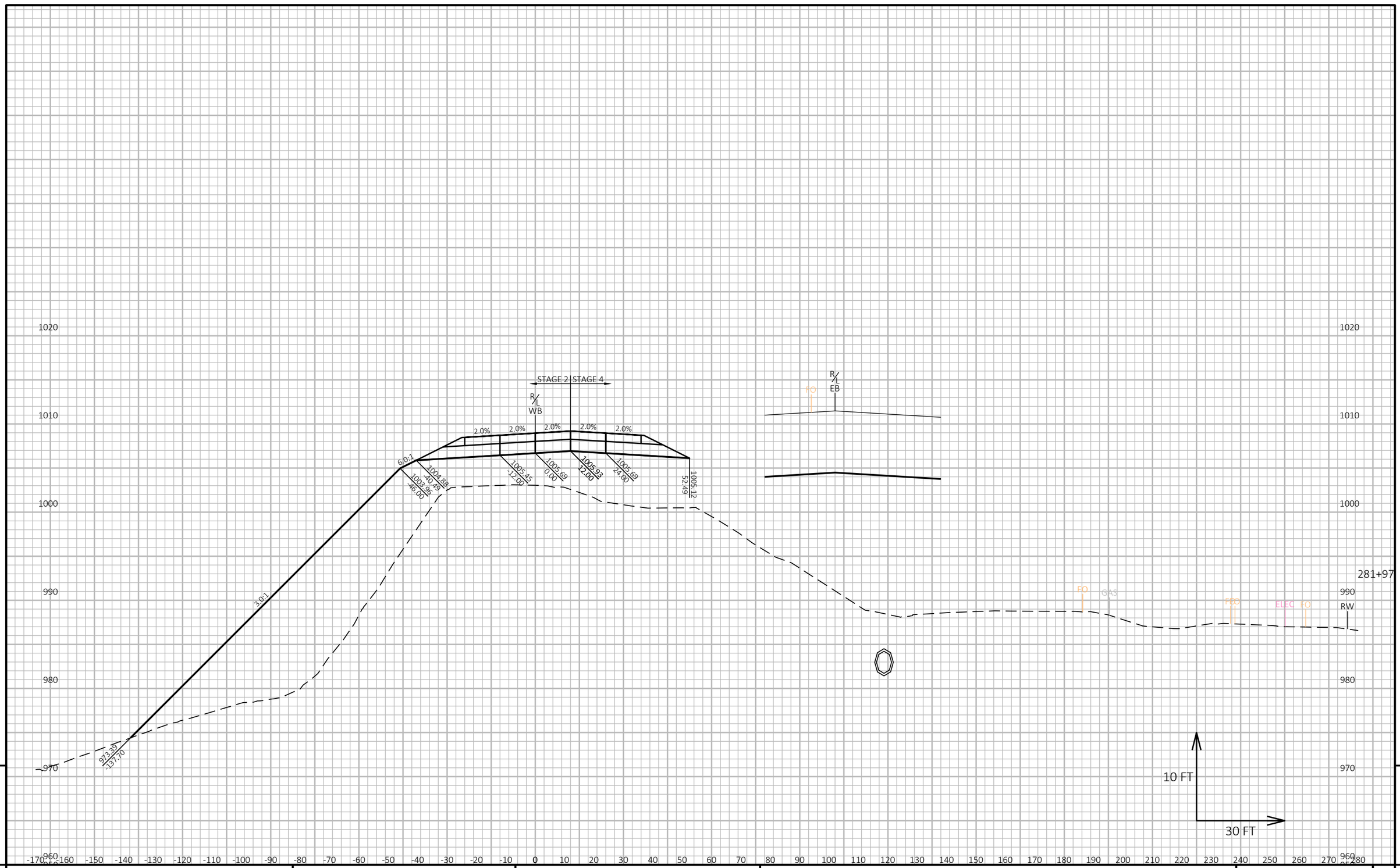
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 416	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090215-XS

PLOT DATE : 5/8/2024 1:36 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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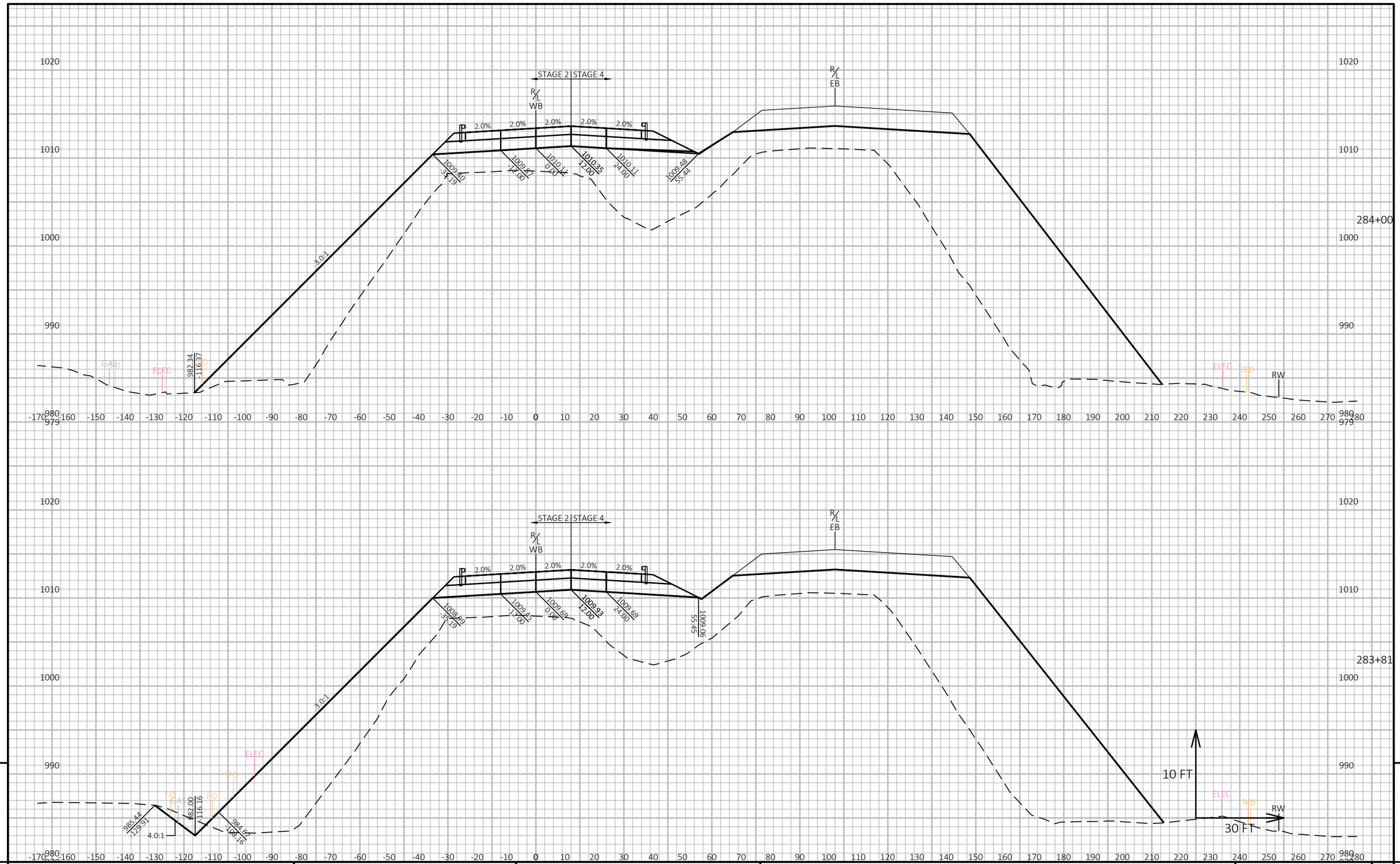
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 417	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090216-XS

PLOT DATE : 5/8/2024 1:36 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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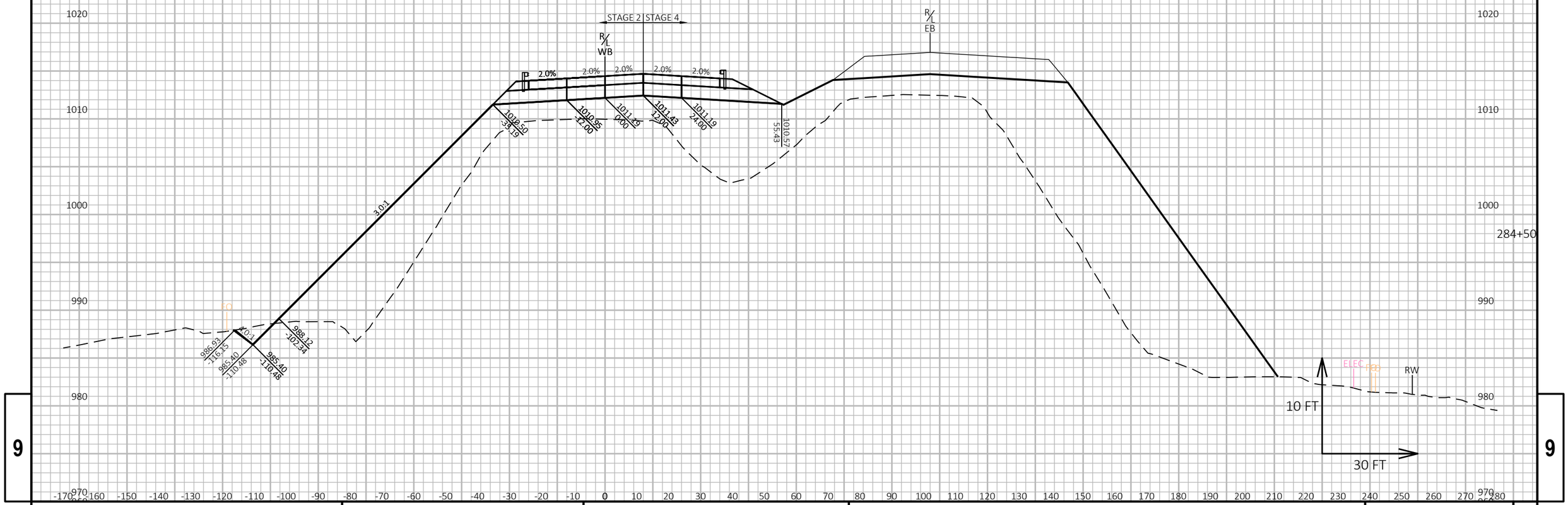
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 418	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090217-XS

PLOT DATE : 5/8/2024 1:36 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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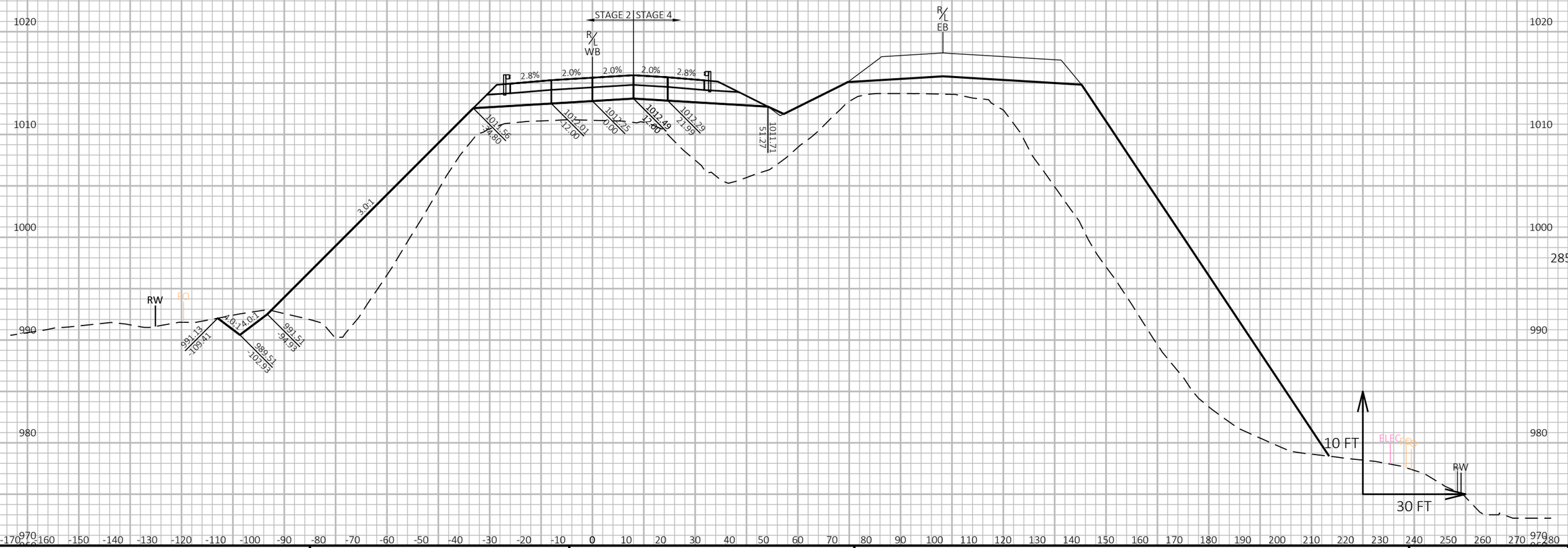
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 419	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090218-XS

PLOT DATE : 5/8/2024 1:37 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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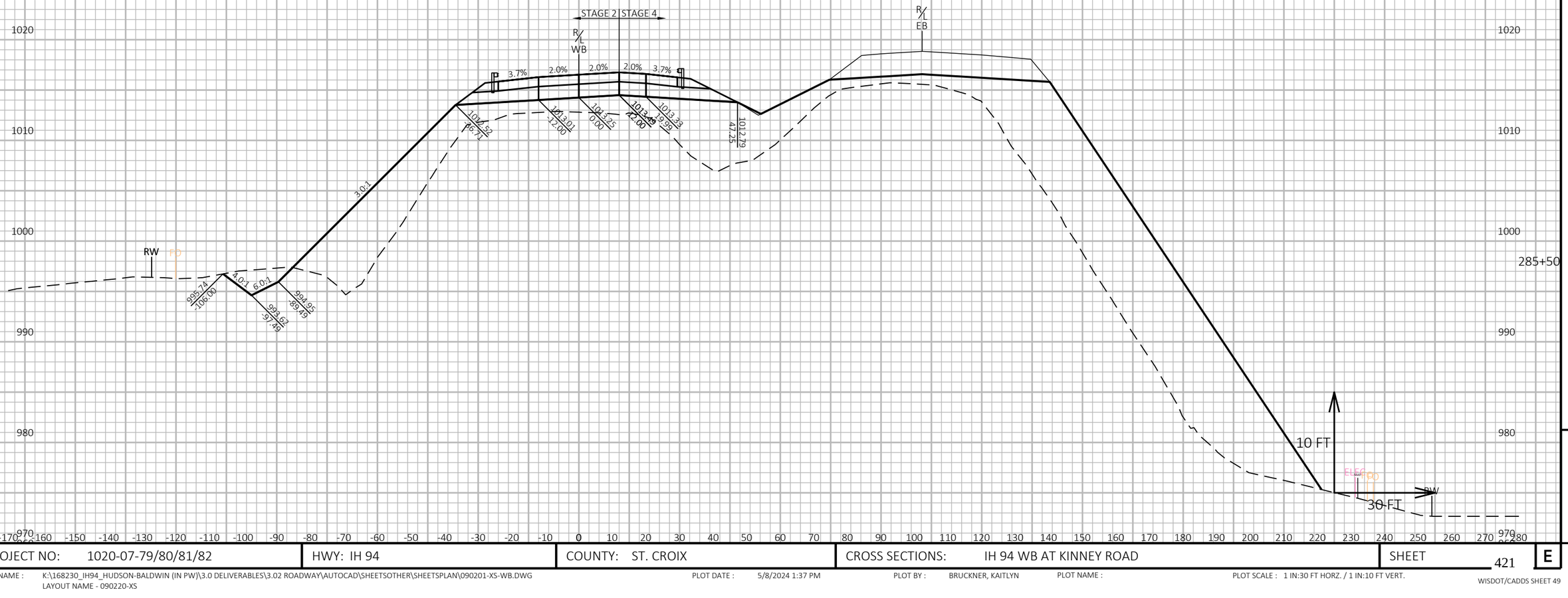
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 420	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090219-XS

PLOT DATE : 5/8/2024 1:37 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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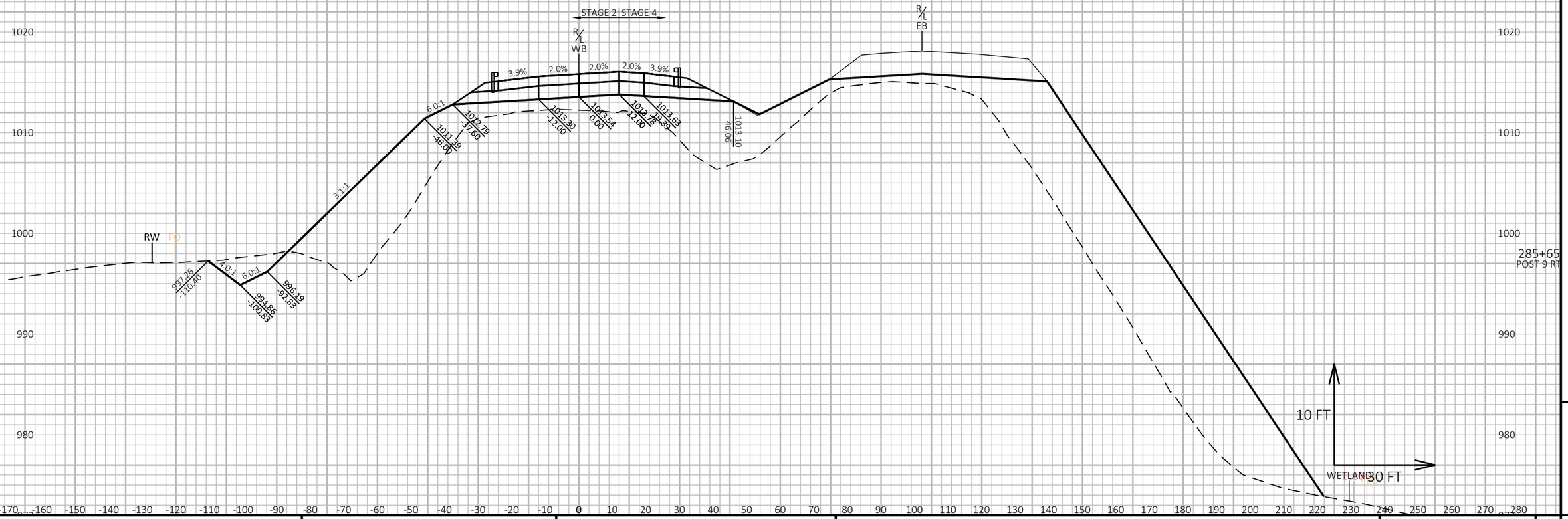
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 421	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090220-XS

PLOT DATE : 5/8/2024 1:37 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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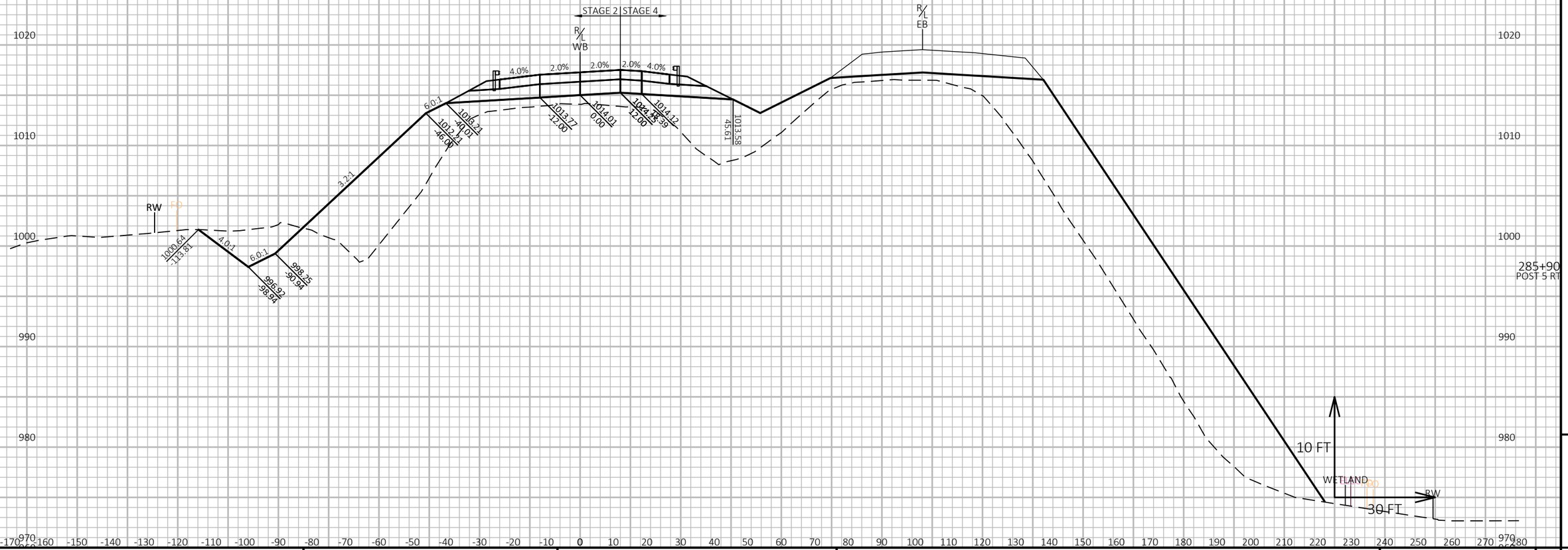
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 422	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090221-XS

PLOT DATE : 5/8/2024 1:37 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 423	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090222-XS

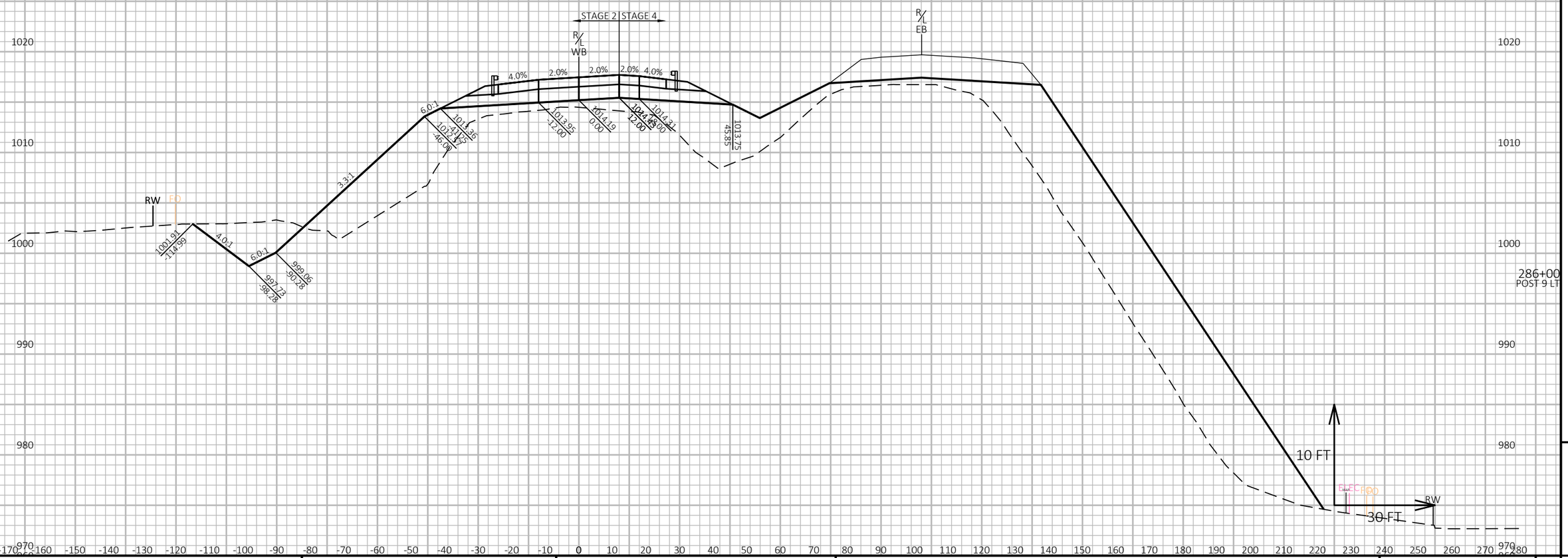
PLOT DATE : 5/8/2024 1:37 PM

PLOT BY : BRUCKNER, KAITLYN

PLOT NAME :

PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



1020

1020

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PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 424	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090223-XS

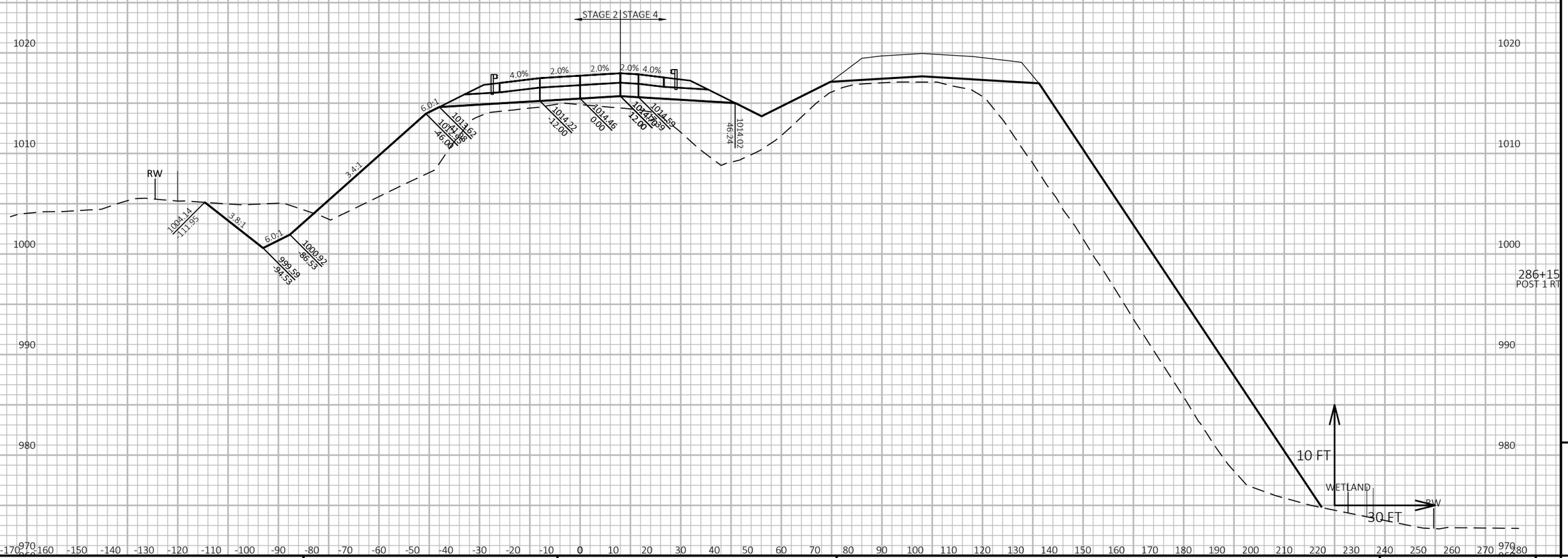
PLOT DATE : 5/8/2024 1:37 PM

PLOT BY : BRUCKNER, KAITLYN

PLOT NAME :

PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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POST 1 RT

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PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 425	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090224-XS

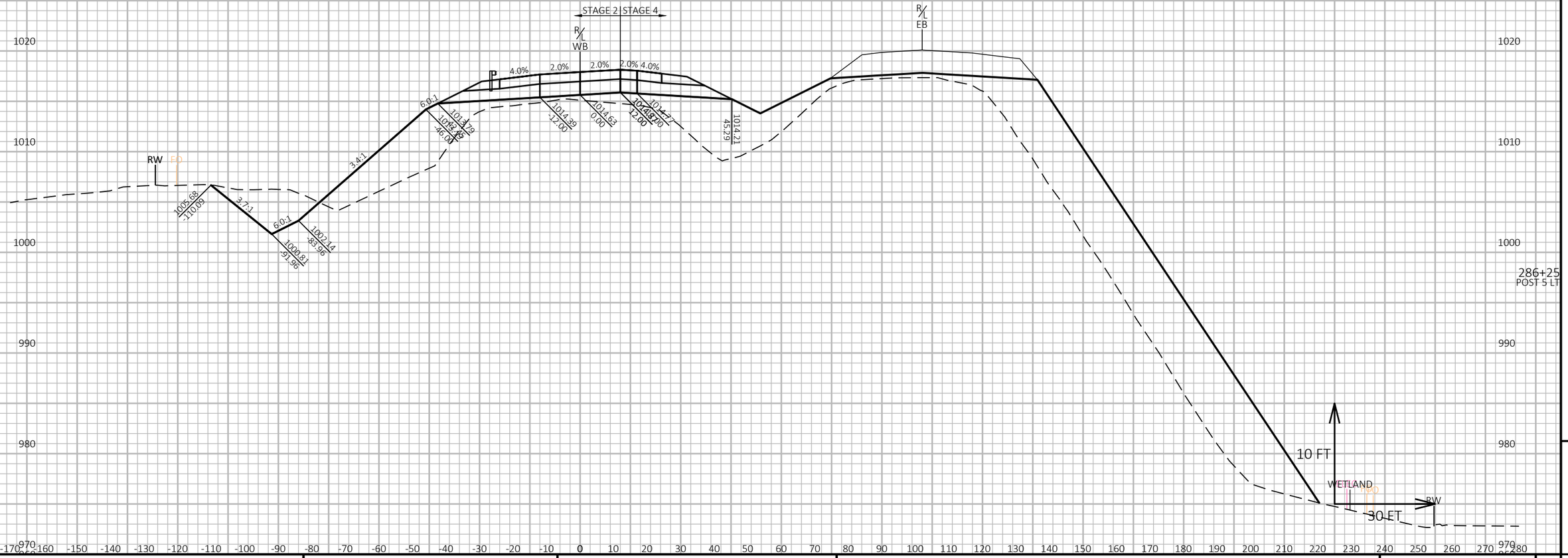
PLOT DATE : 5/8/2024 1:37 PM

PLOT BY : BRUCKNER, KAITLYN

PLOT NAME :

PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

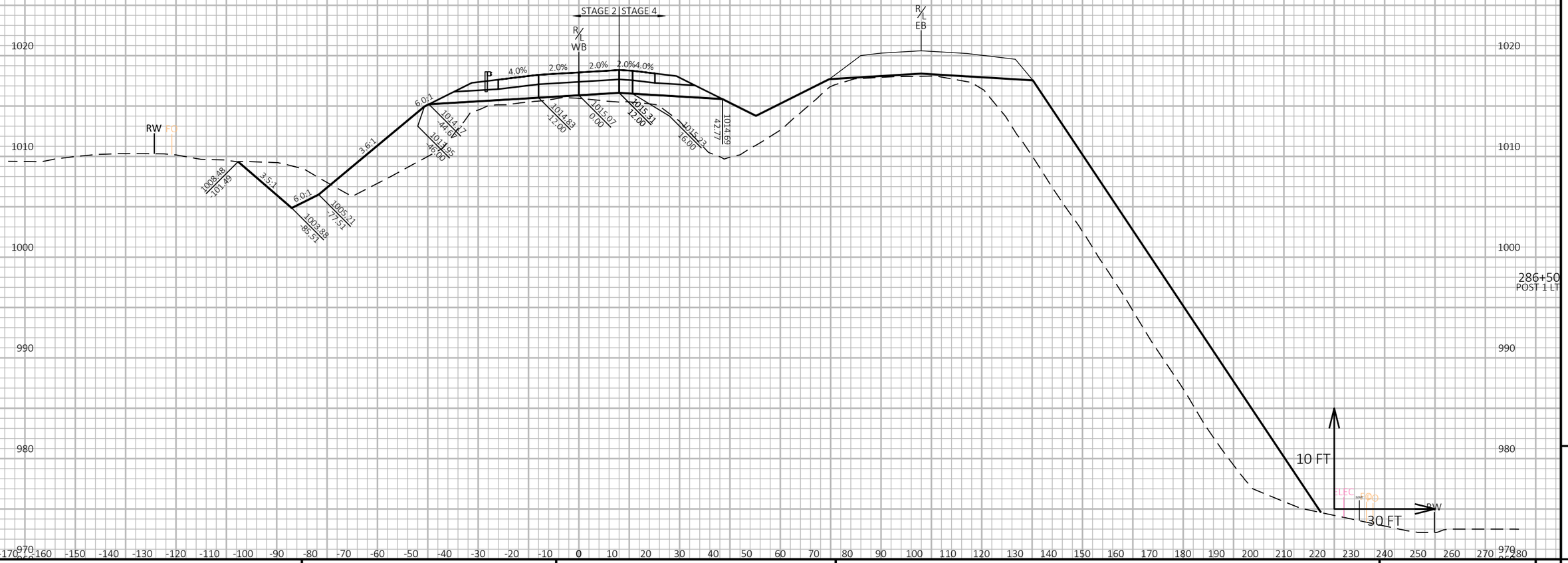


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 426	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090225-XS

PLOT DATE : 5/8/2024 1:37 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 427	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090226-XS

PLOT DATE : 5/8/2024 1:37 PM

PLOT BY : BRUCKNER, KAITLYN

PLOT NAME :

PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

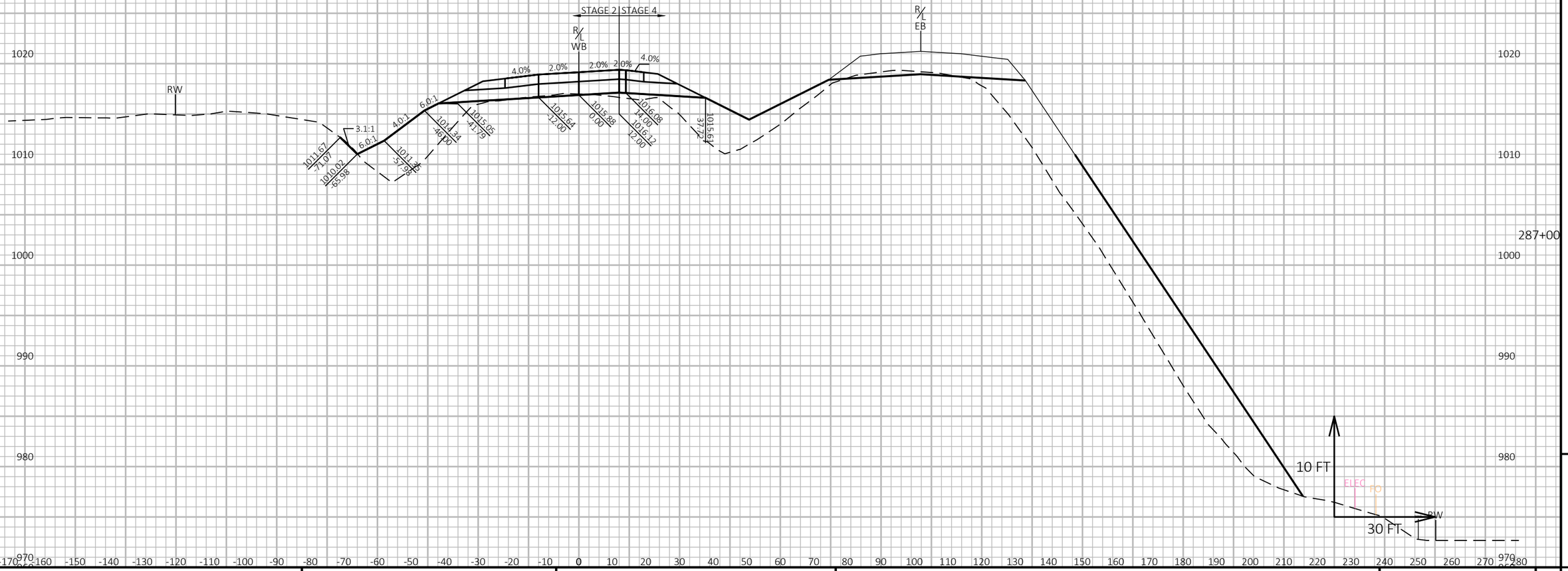
WISDOT/CADDS SHEET 49

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 428

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090227-XS

PLOT DATE : 5/8/2024 1:37 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 429	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090228-XS

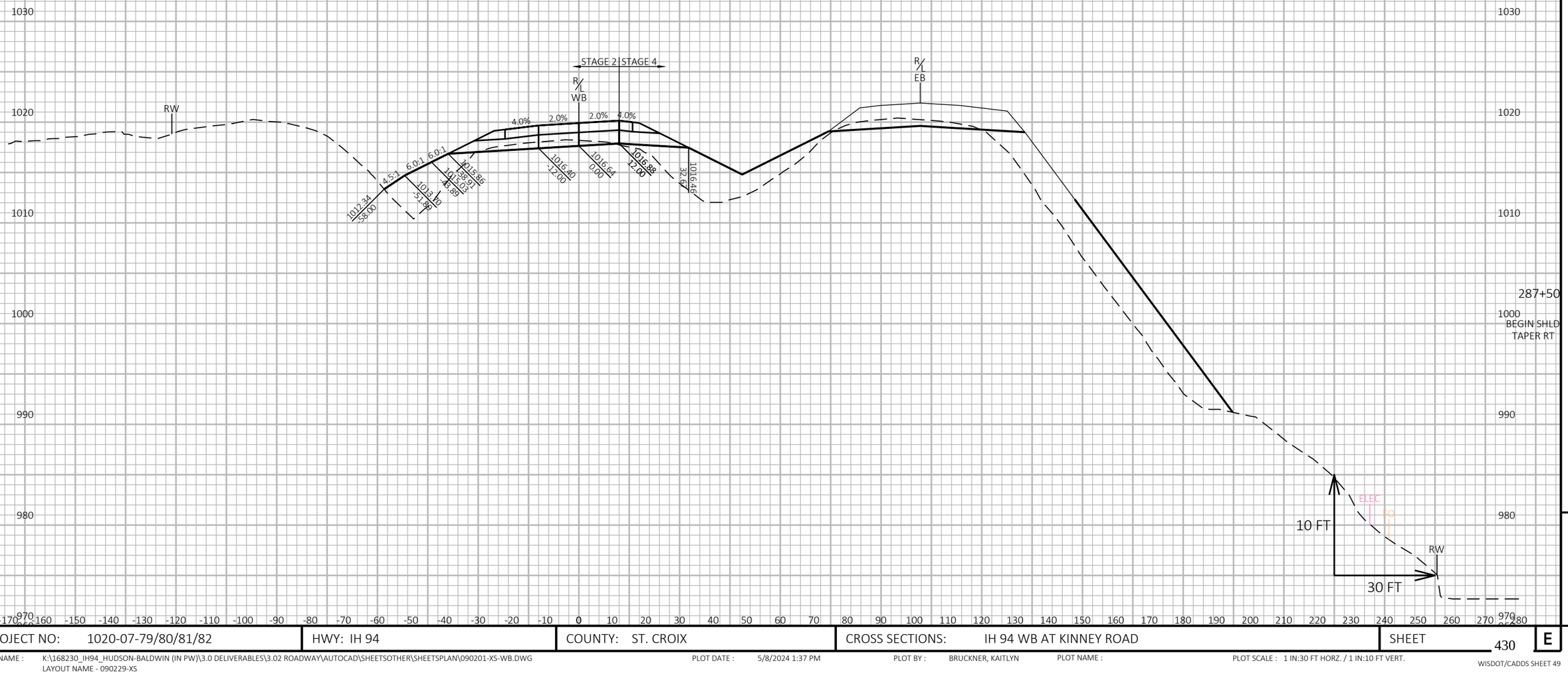
PLOT DATE : 5/8/2024 1:37 PM

PLOT BY : BRUCKNER, KAITLYN

PLOT NAME :

PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 430	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090229-XS

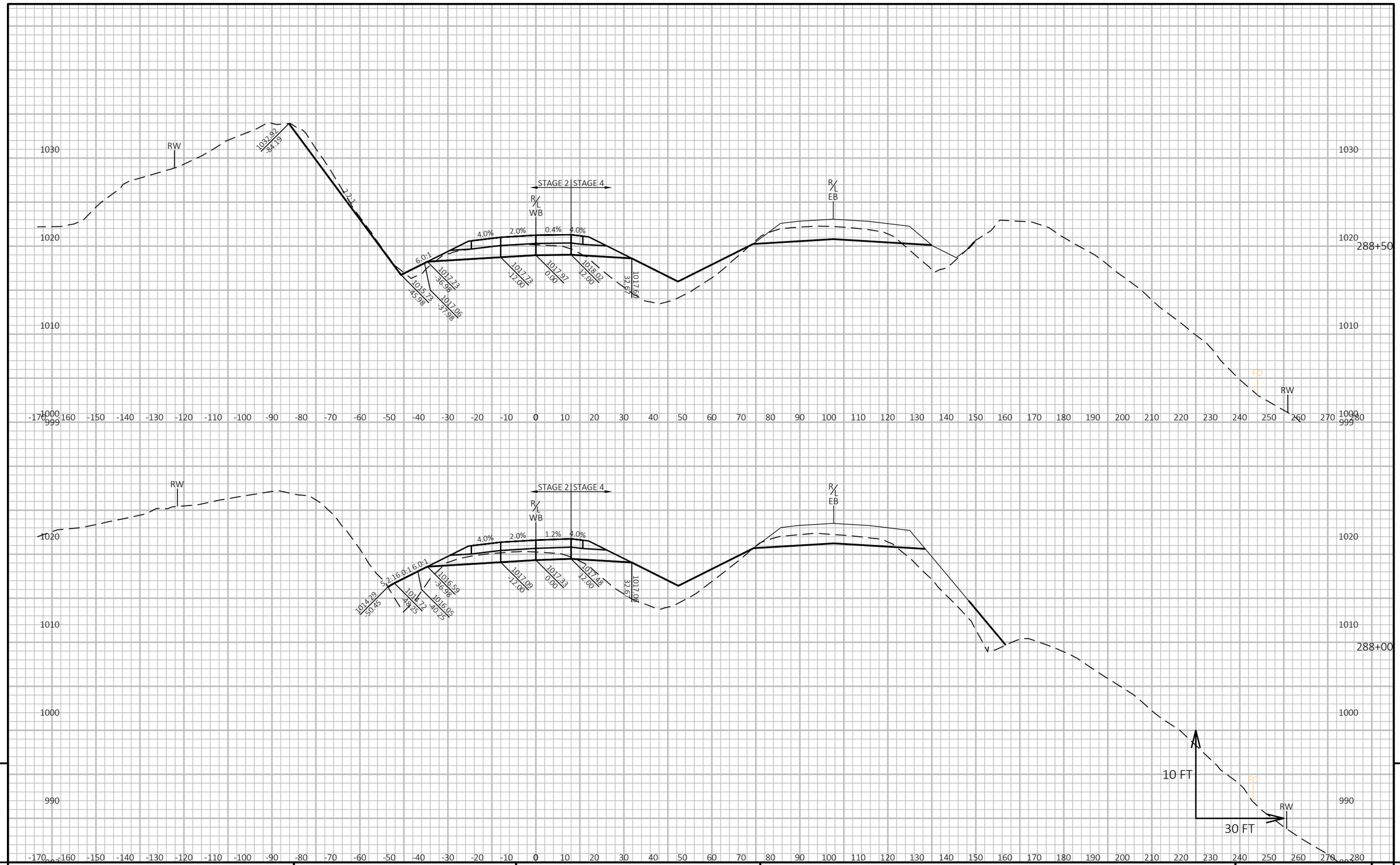
PLOT DATE : 5/8/2024 1:37 PM

PLOT BY : BRUCKNER, KAITLYN

PLOT NAME :

PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

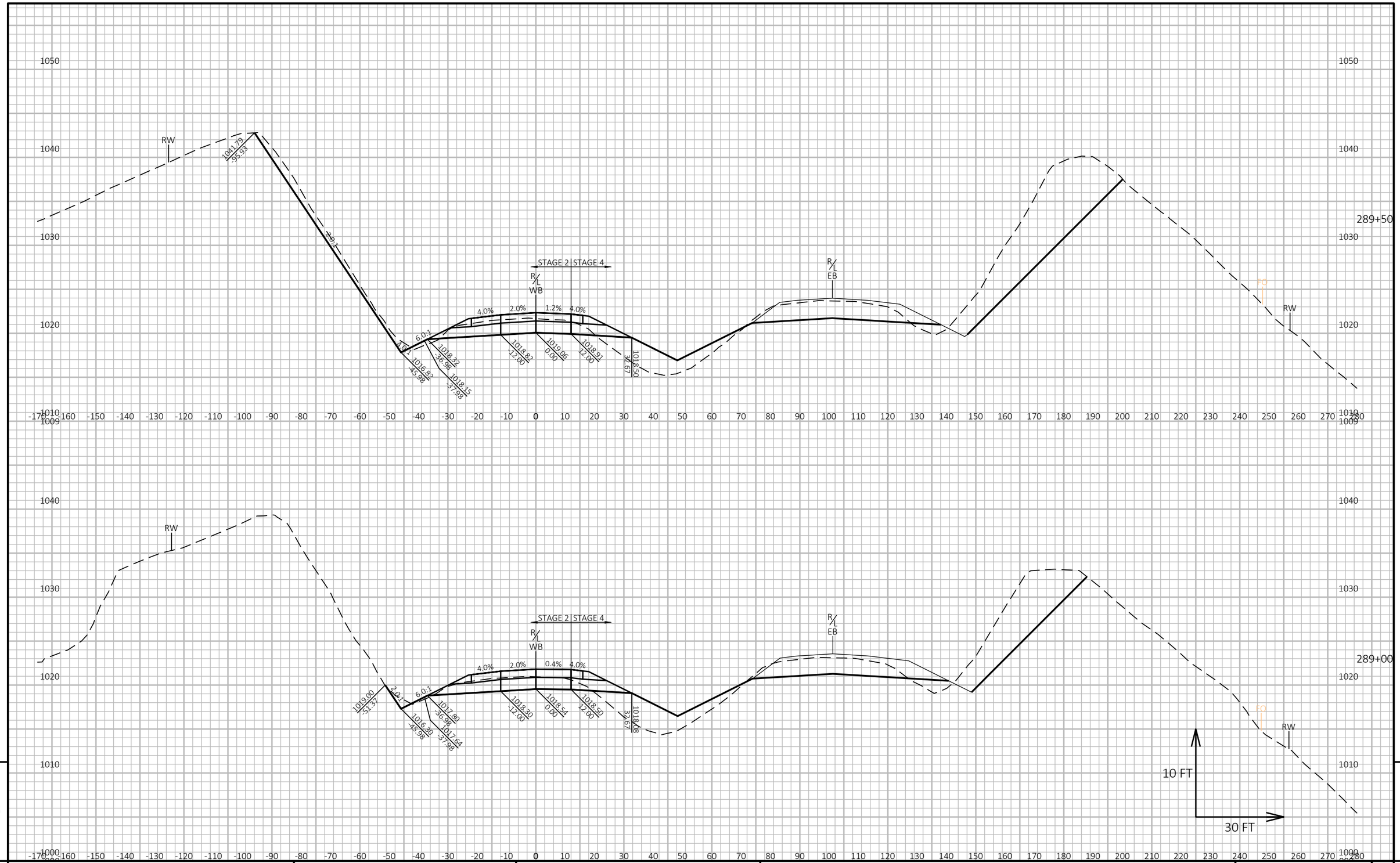


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 431 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090230-XS

PLOT DATE : 5/8/2024 1:38 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

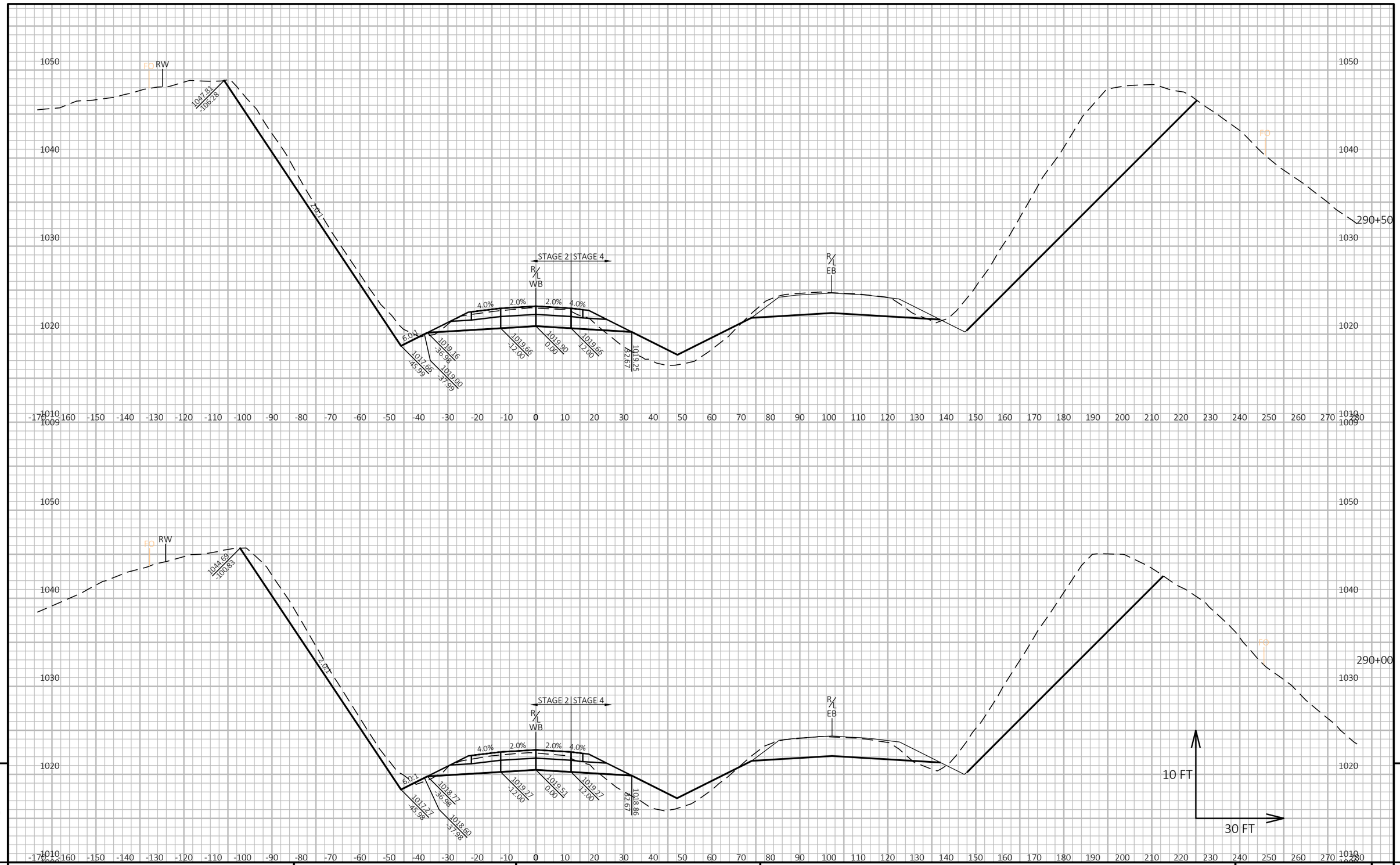


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 432	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090231-XS

PLOT DATE : 5/8/2024 1:38 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

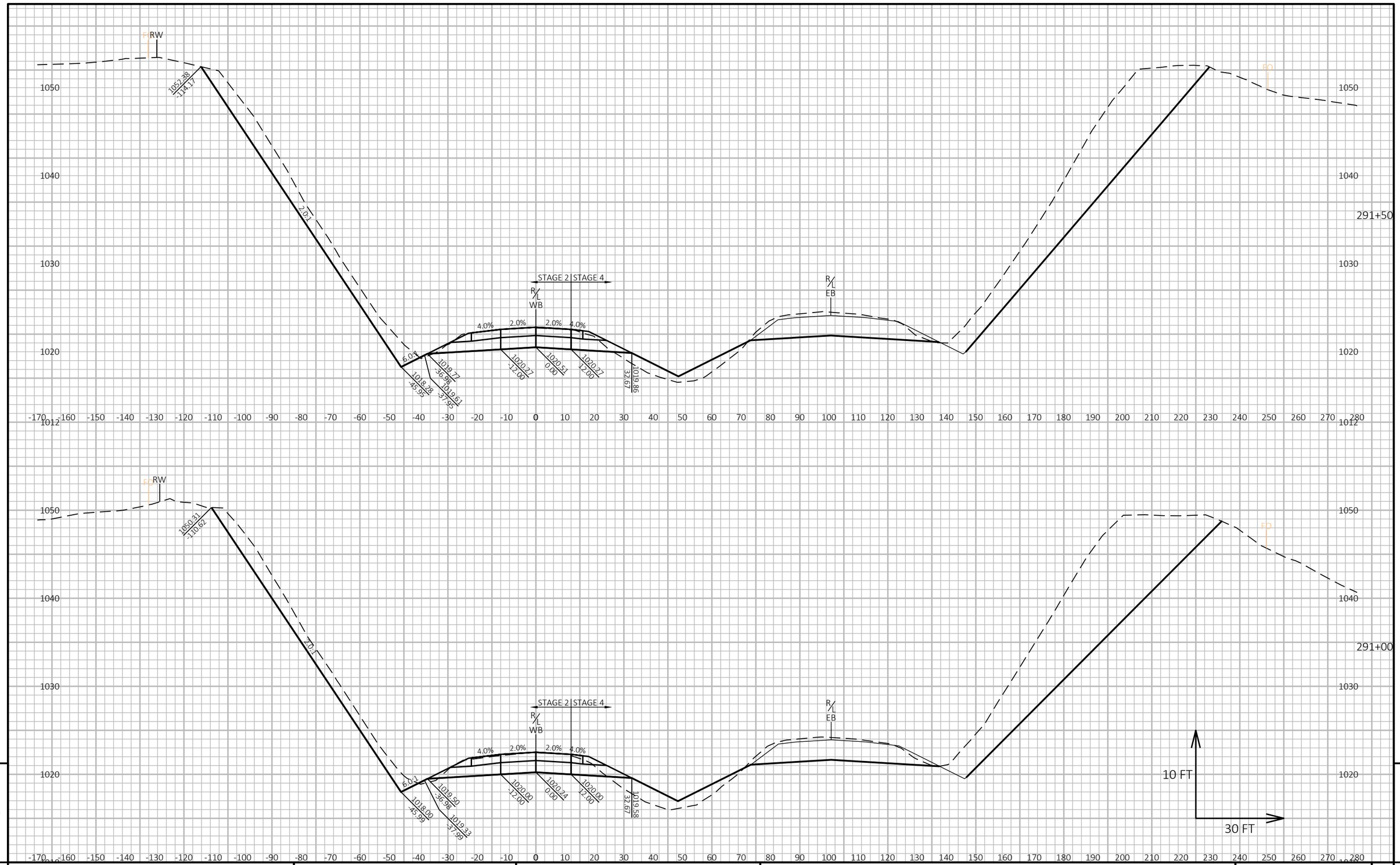


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 433 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090232-XS

PLOT DATE : 5/8/2024 1:38 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

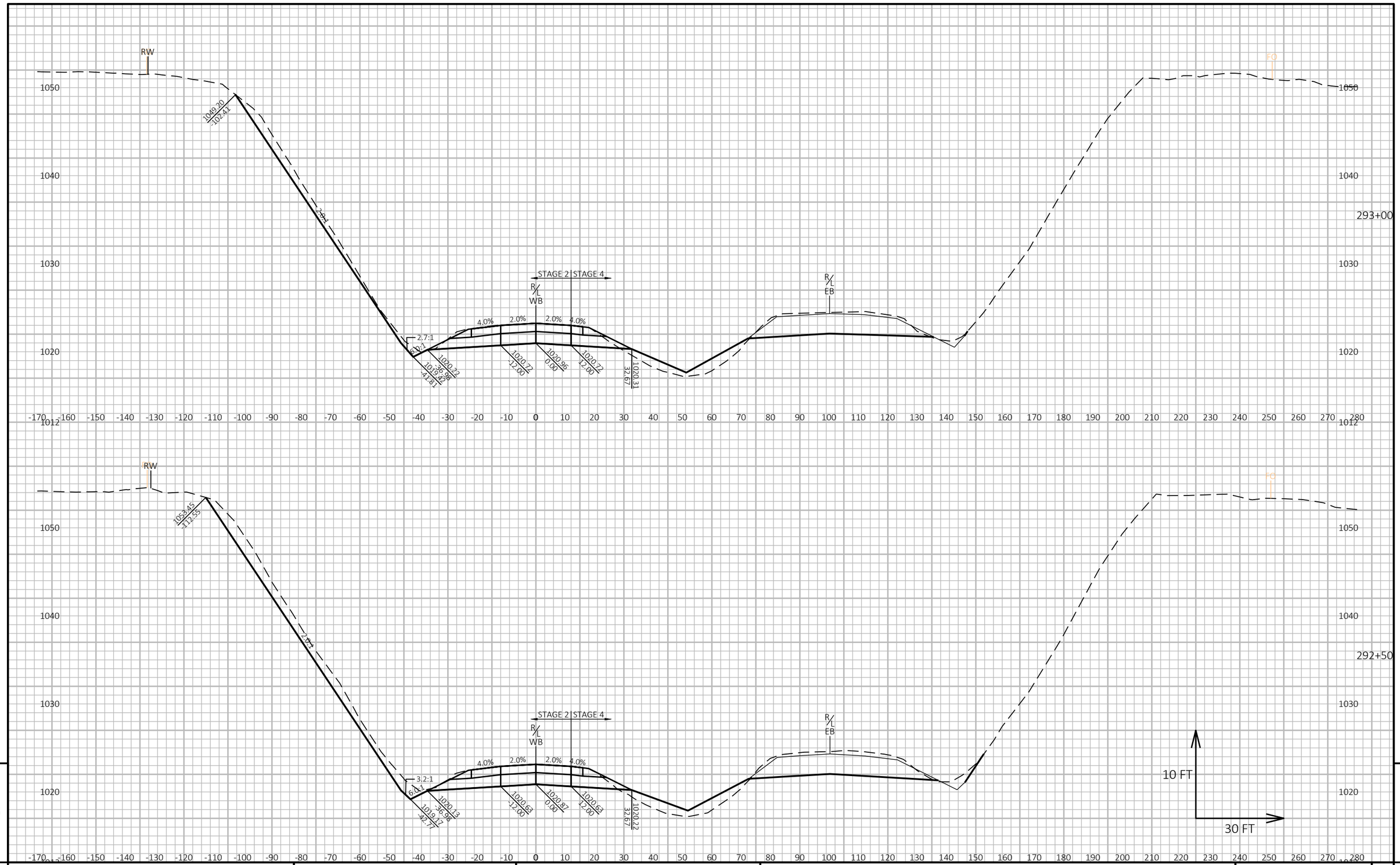


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 434 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090233-XS

PLOT DATE : 5/8/2024 1:38 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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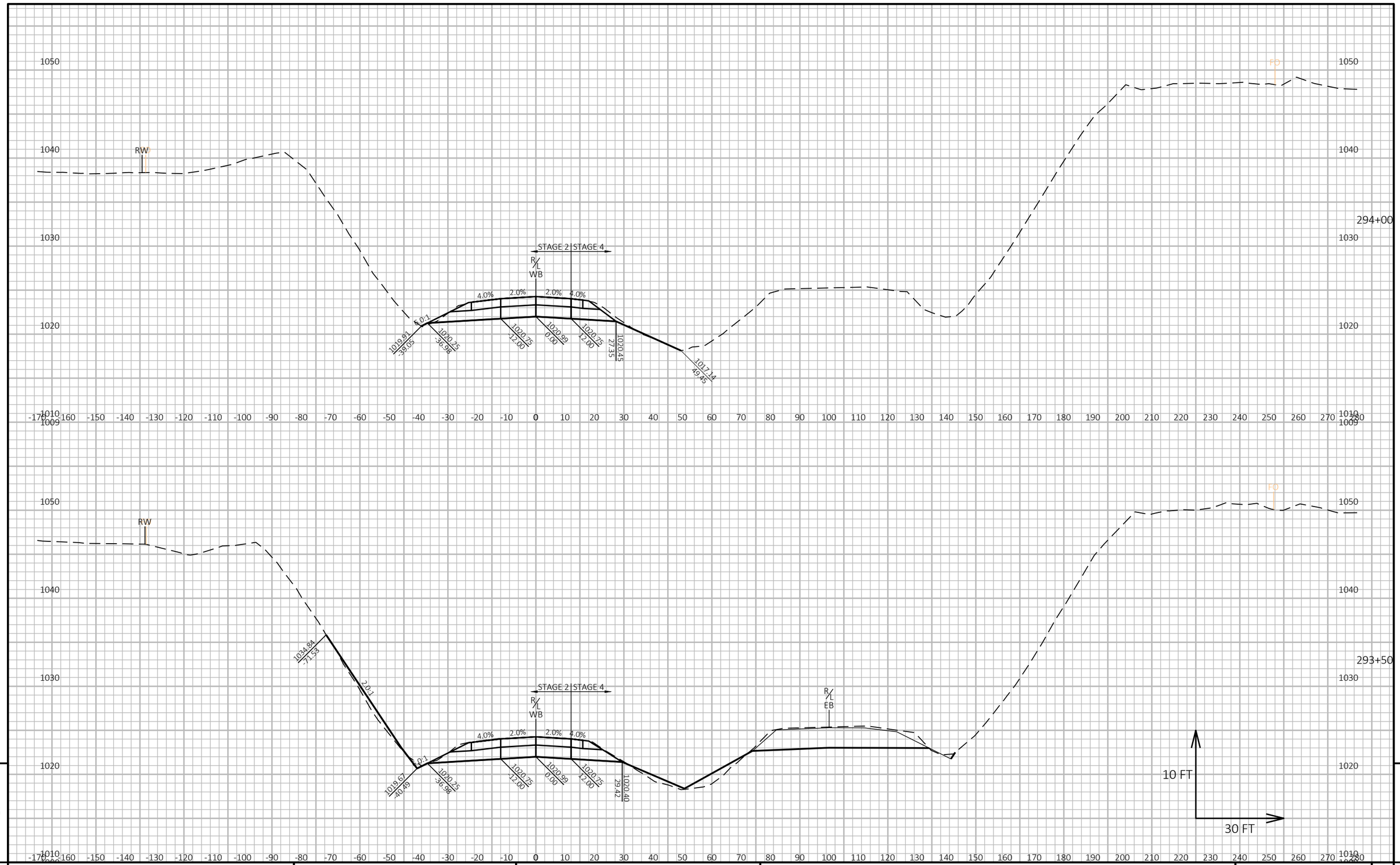
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 435	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090235-XS

PLOT DATE : 5/8/2024 1:38 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



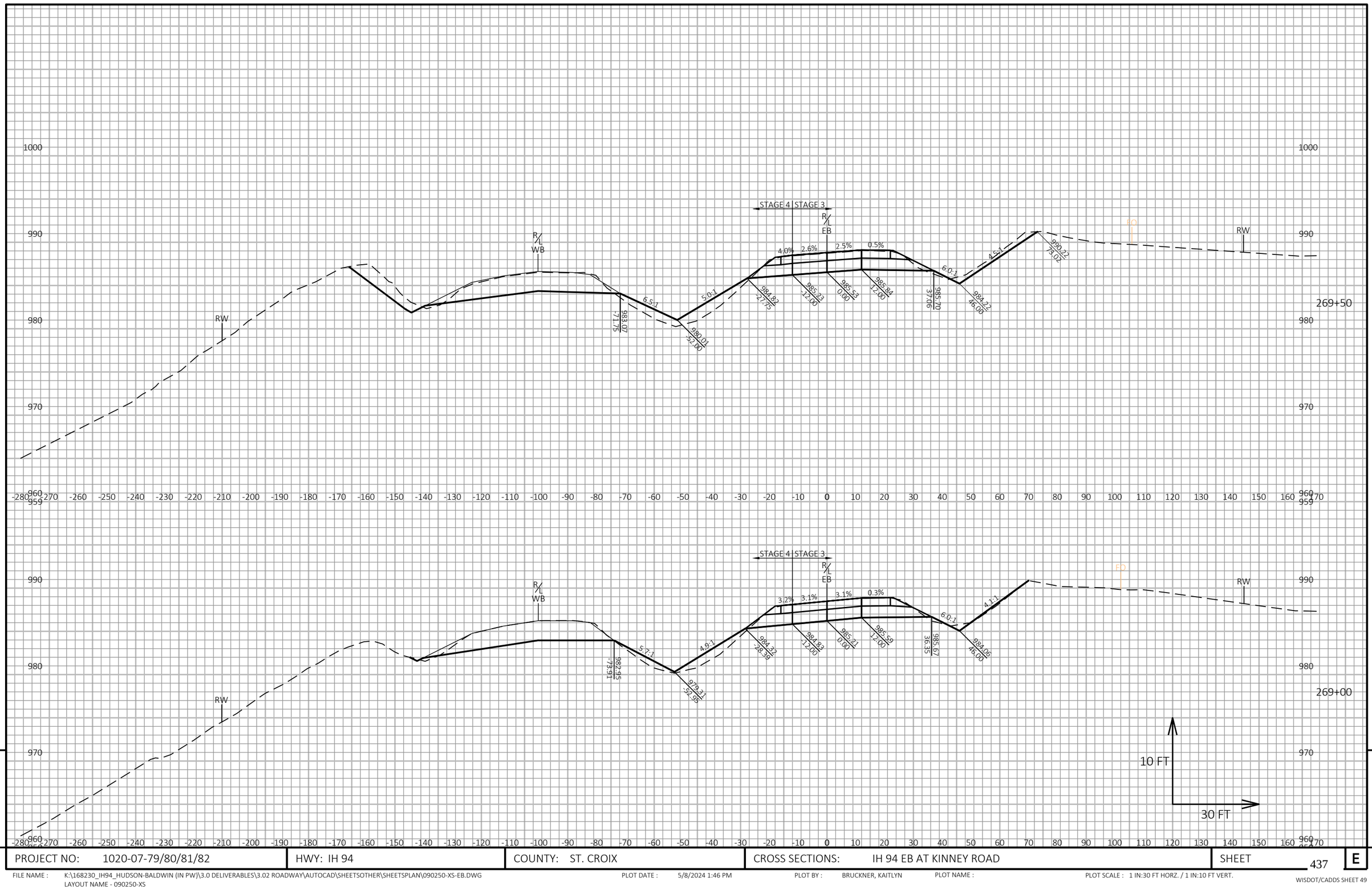
9 9

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT KINNEY ROAD	SHEET 436	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090201-XS-WB.DWG
LAYOUT NAME - 090236-XS

PLOT DATE : 5/8/2024 1:38 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

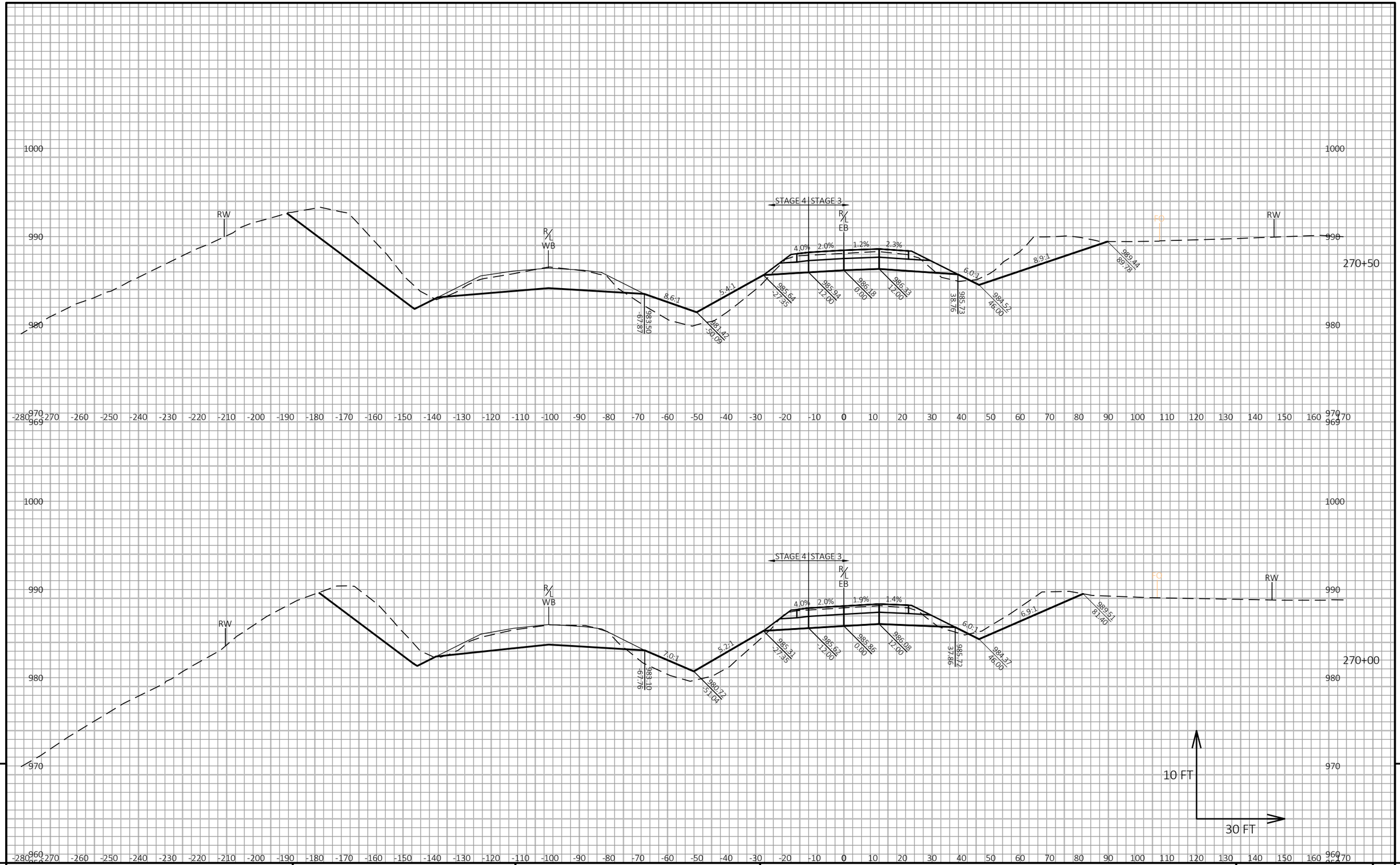


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 437 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090250-XS

PLOT DATE : 5/8/2024 1:46 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

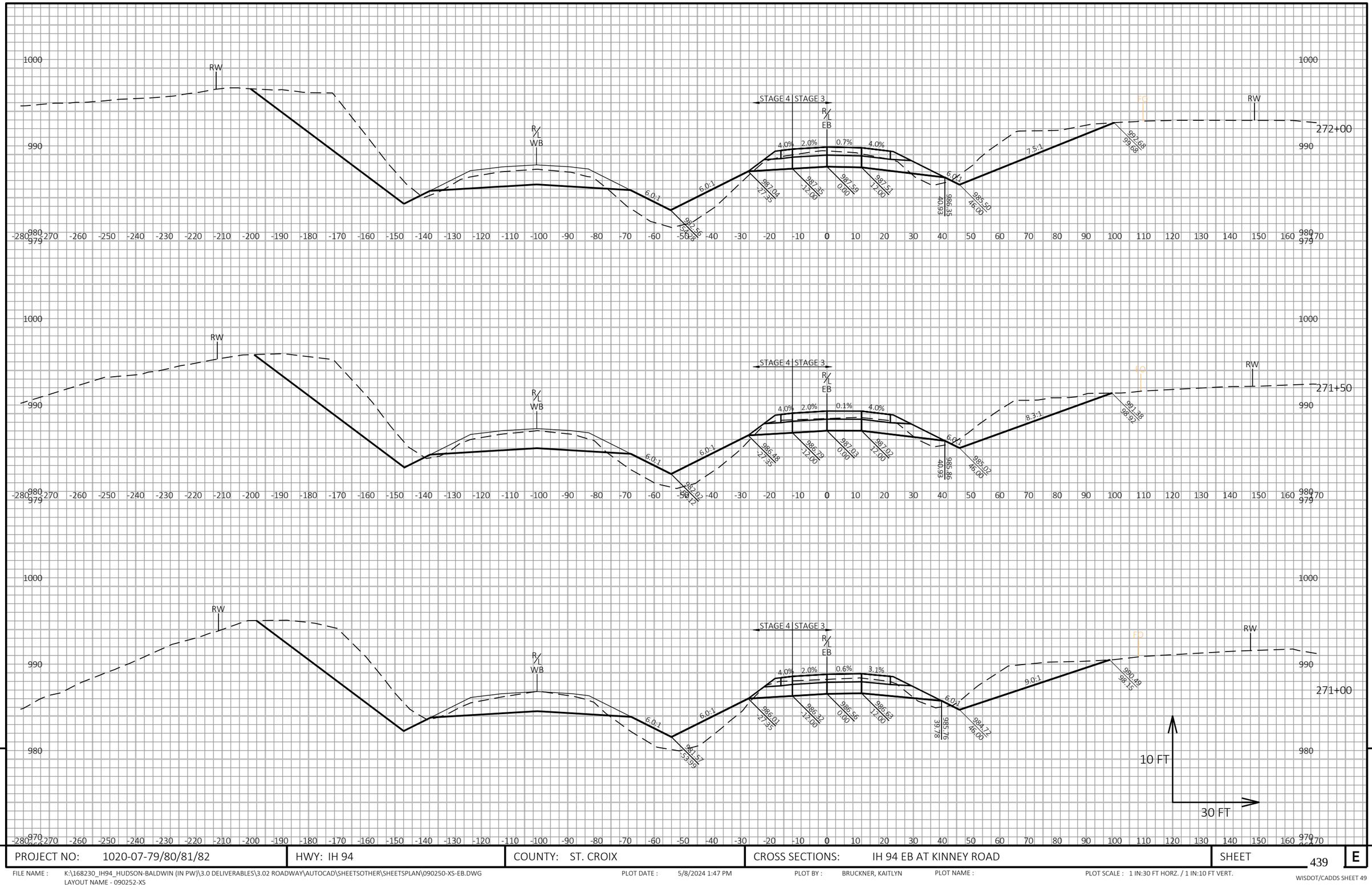


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 438 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090251-XS

PLOT DATE : 5/8/2024 1:47 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 439	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090252-XS

PLOT DATE : 5/8/2024 1:47 PM

PLOT BY : BRUCKNER, KAITLYN

PLOT NAME :

PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

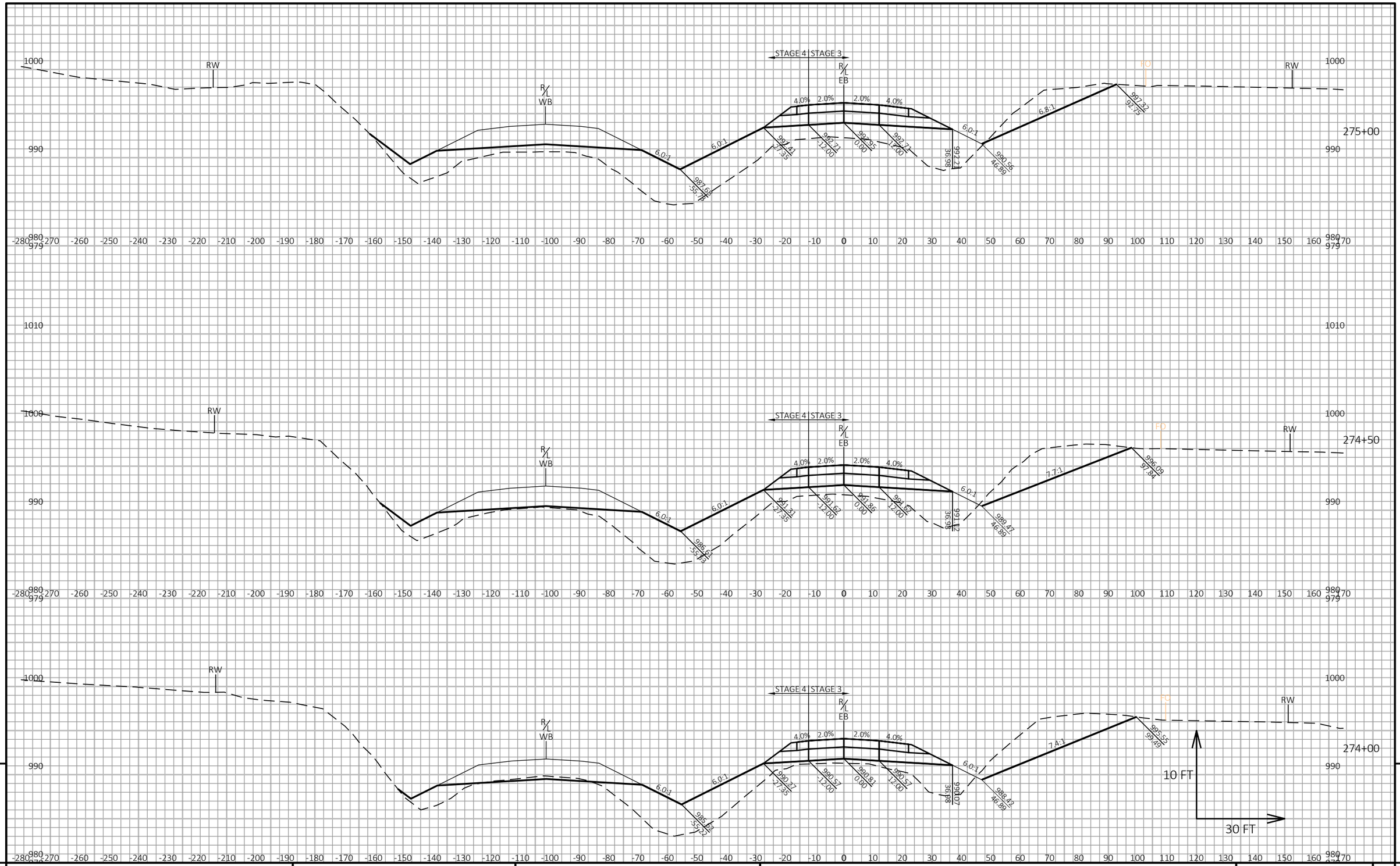
WISDOT/CADDS SHEET 49

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 440 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090253-XS

PLOT DATE : 5/8/2024 1:47 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

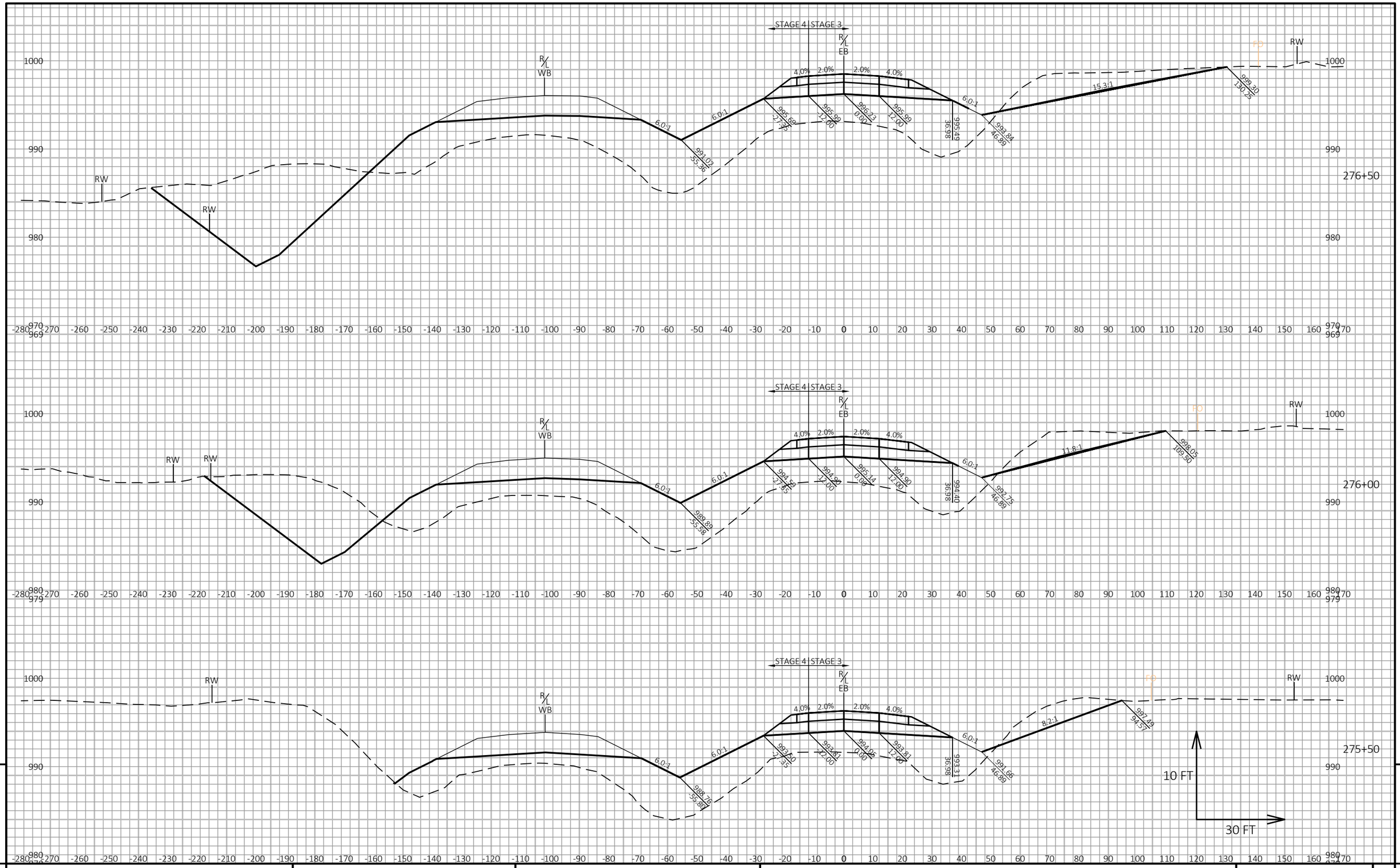


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 441 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090254-XS

PLOT DATE : 5/8/2024 1:47 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 442	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090255-XS

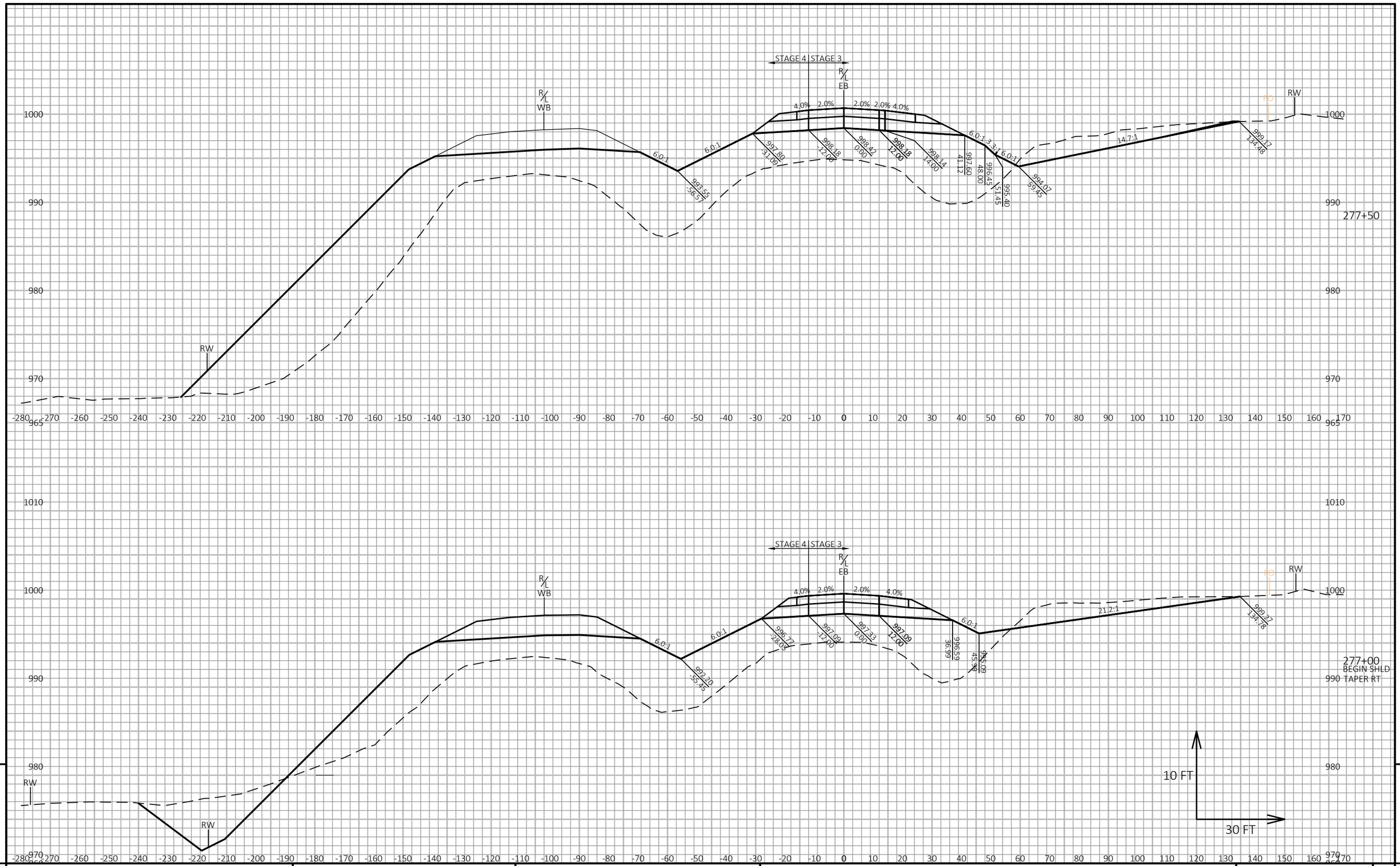
PLOT DATE : 5/8/2024 1:47 PM

PLOT BY : BRUCKNER, KAITLYN

PLOT NAME :

PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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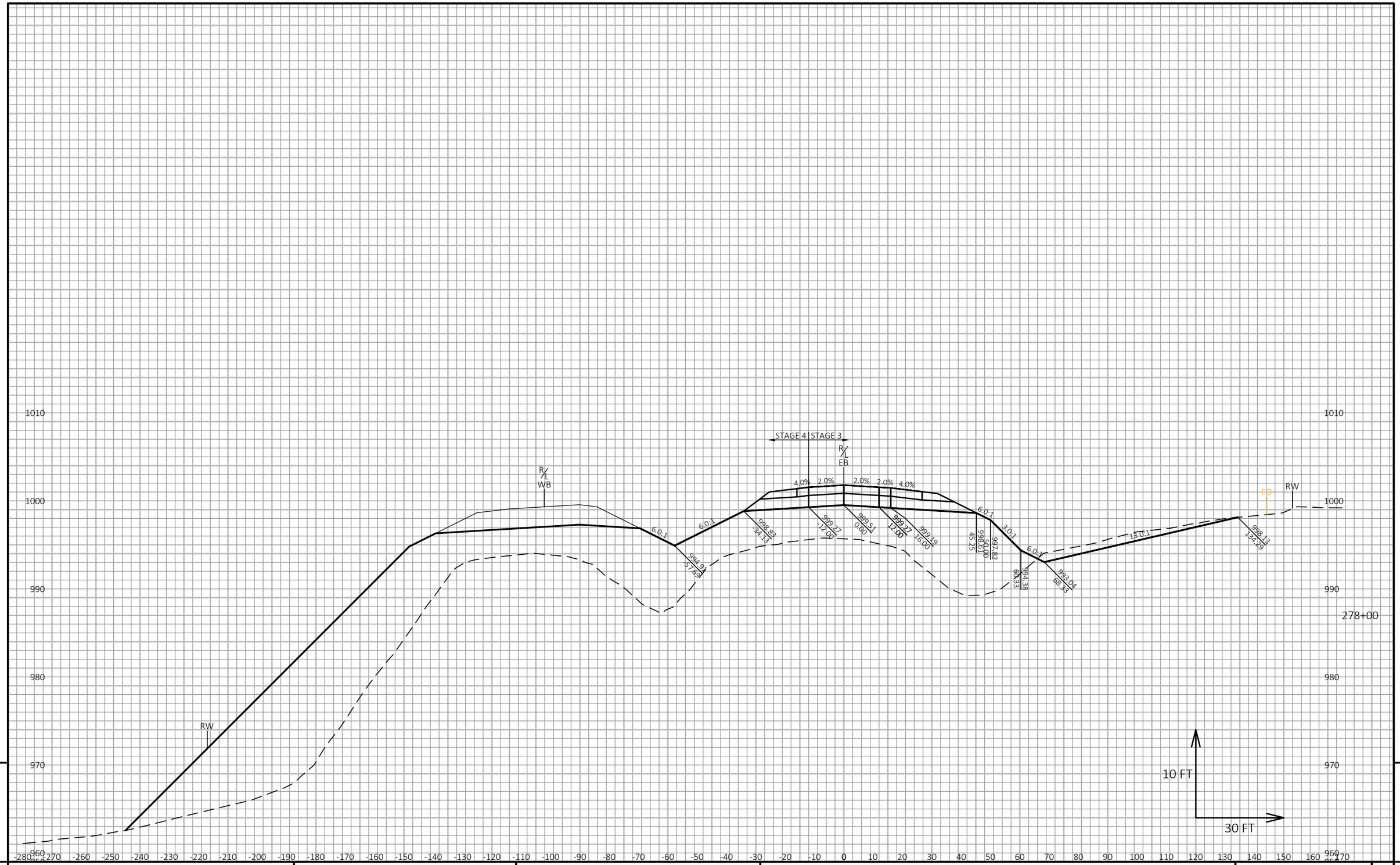
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 443	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090256-XS

PLOT DATE : 5/8/2024 1:47 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.



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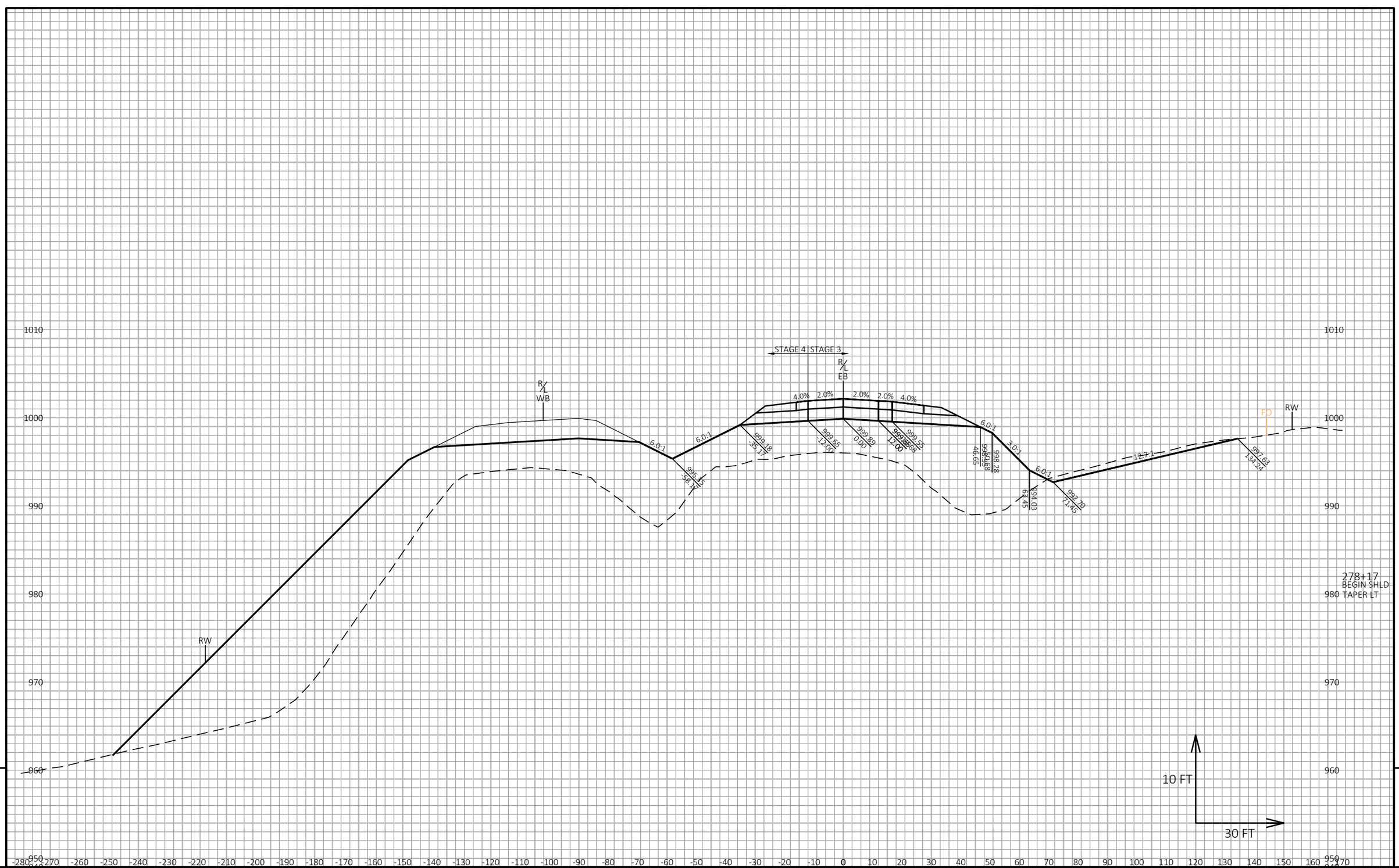
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 444	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090257-XS

PLOT DATE : 5/8/2024 1:47 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 445	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090258-XS

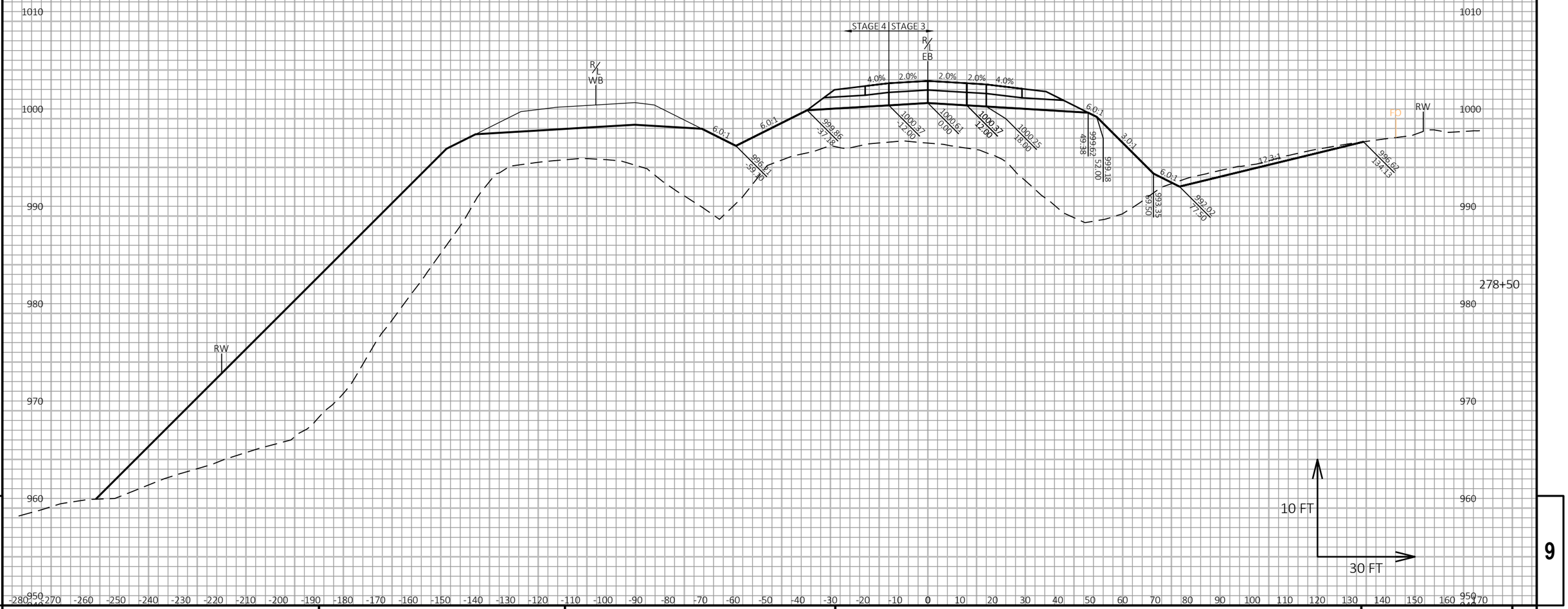
PLOT DATE : 5/8/2024 1:47 PM

PLOT BY : BRUCKNER, KAITLYN

PLOT NAME :

PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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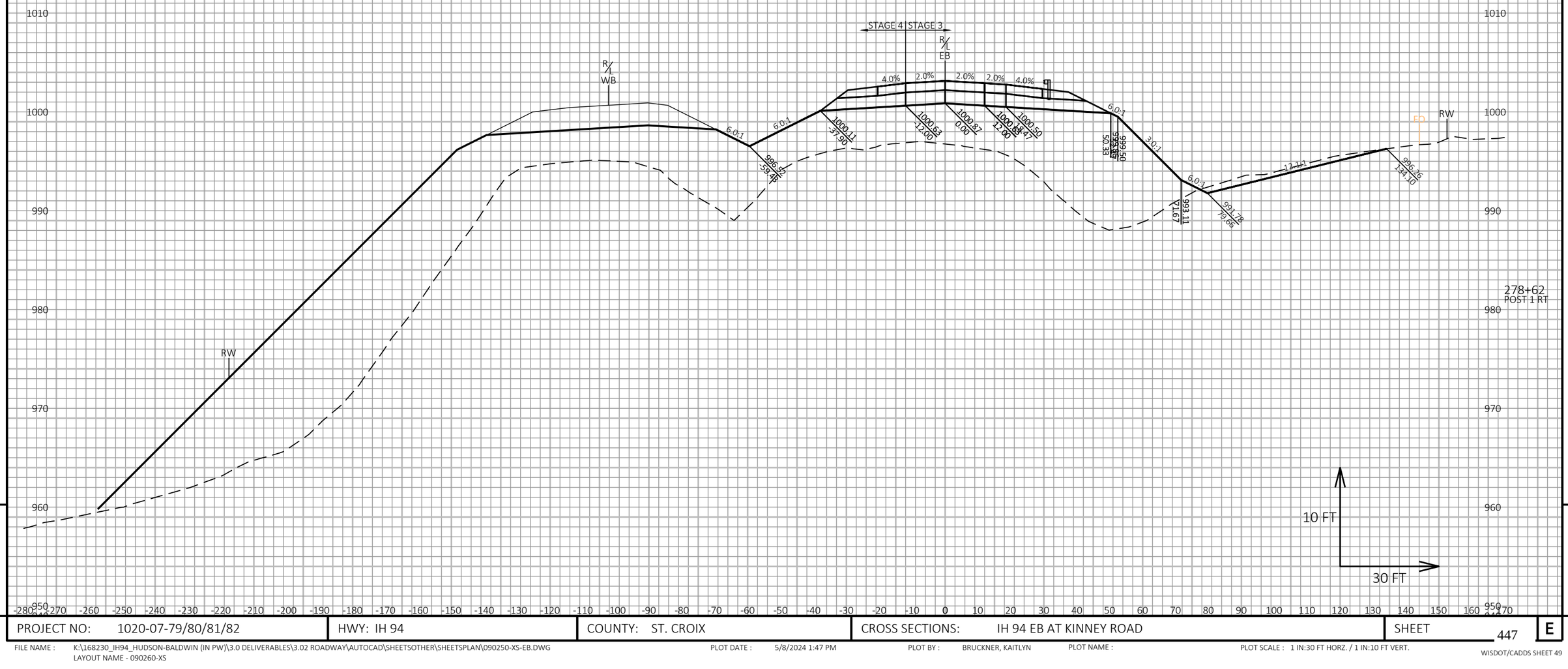
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 446	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090259-XS

PLOT DATE : 5/8/2024 1:47 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.



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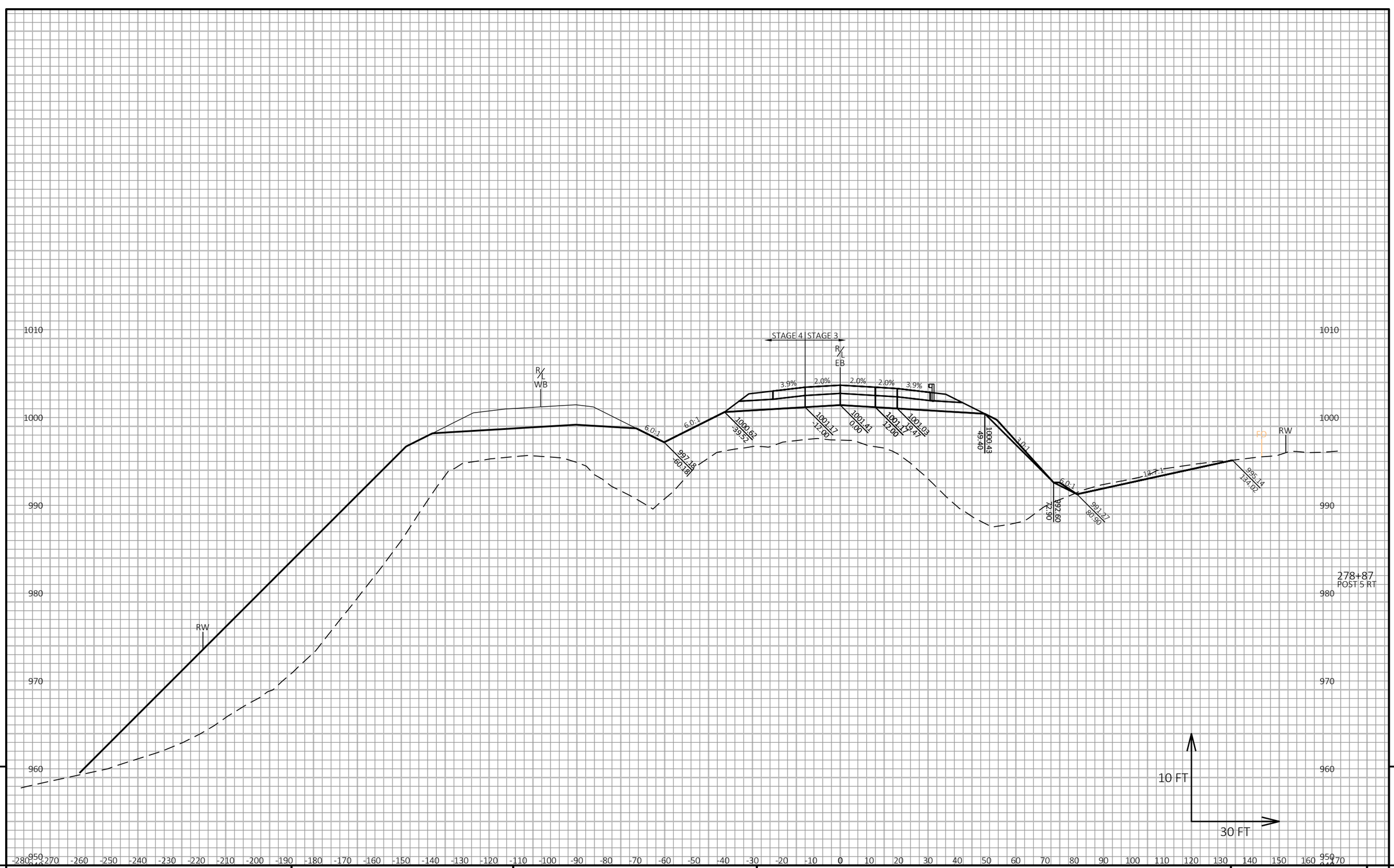
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 447	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090260-XS

PLOT DATE : 5/8/2024 1:47 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.



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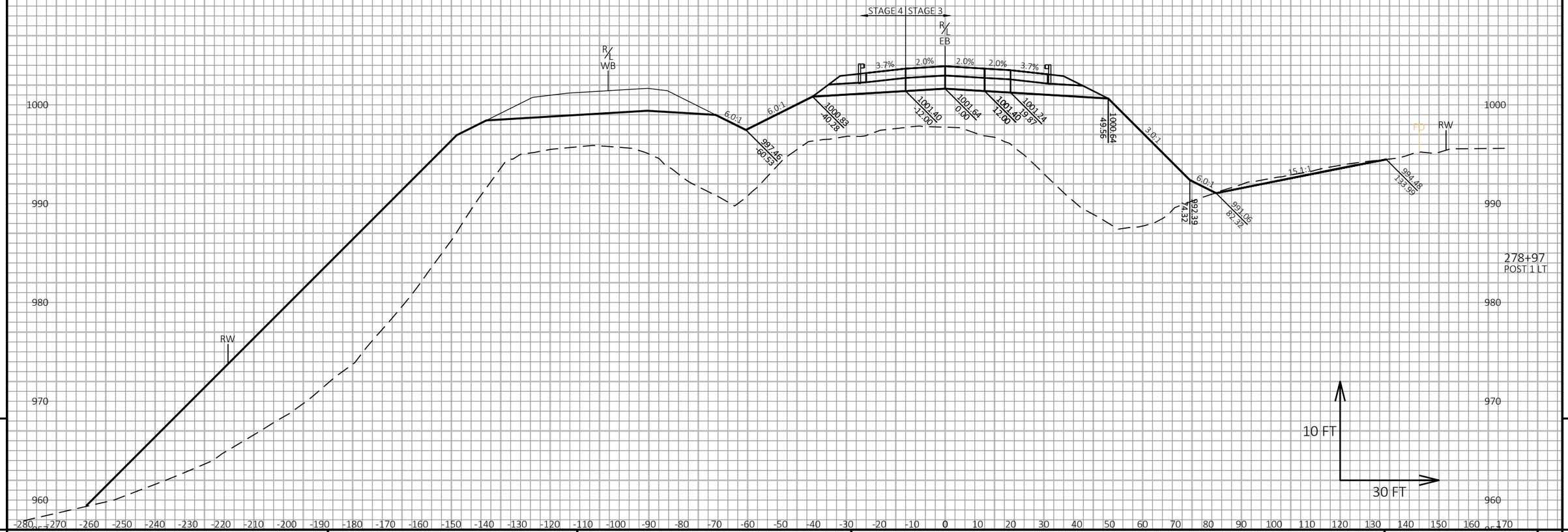
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 448	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090261-XS

PLOT DATE : 5/8/2024 1:47 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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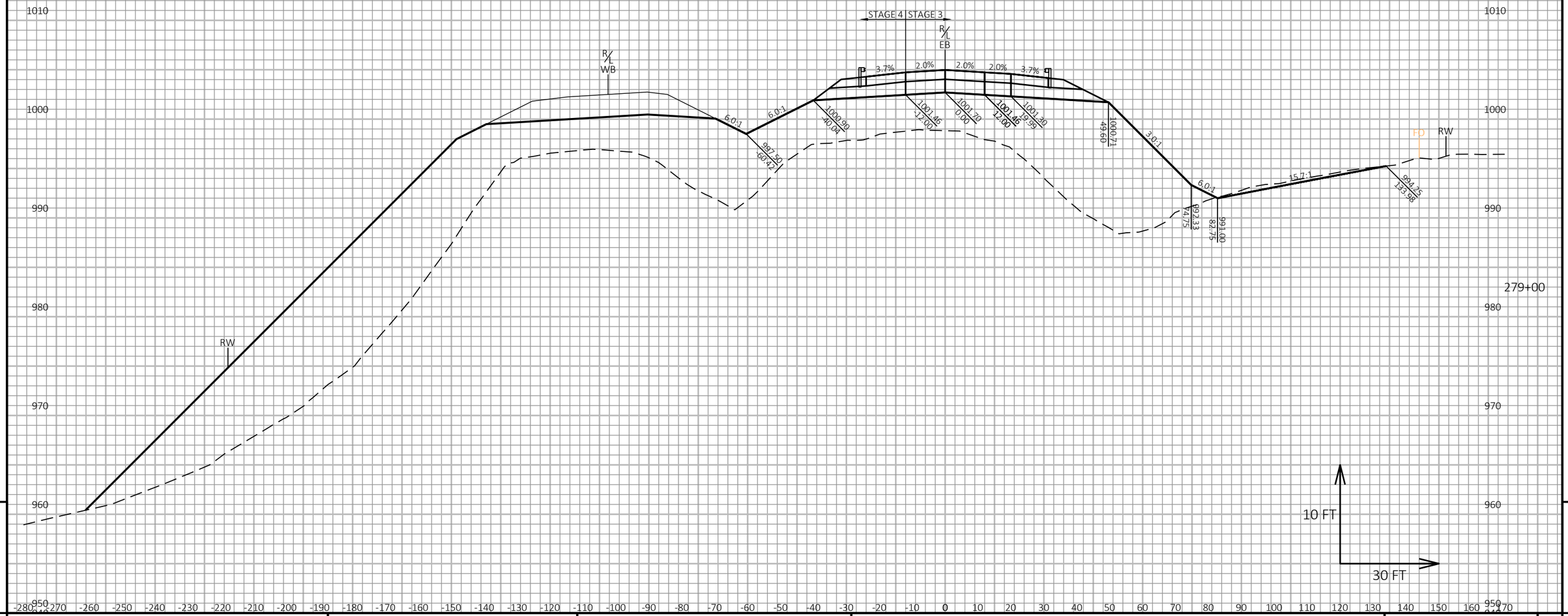
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 449	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090262-XS

PLOT DATE : 5/8/2024 1:47 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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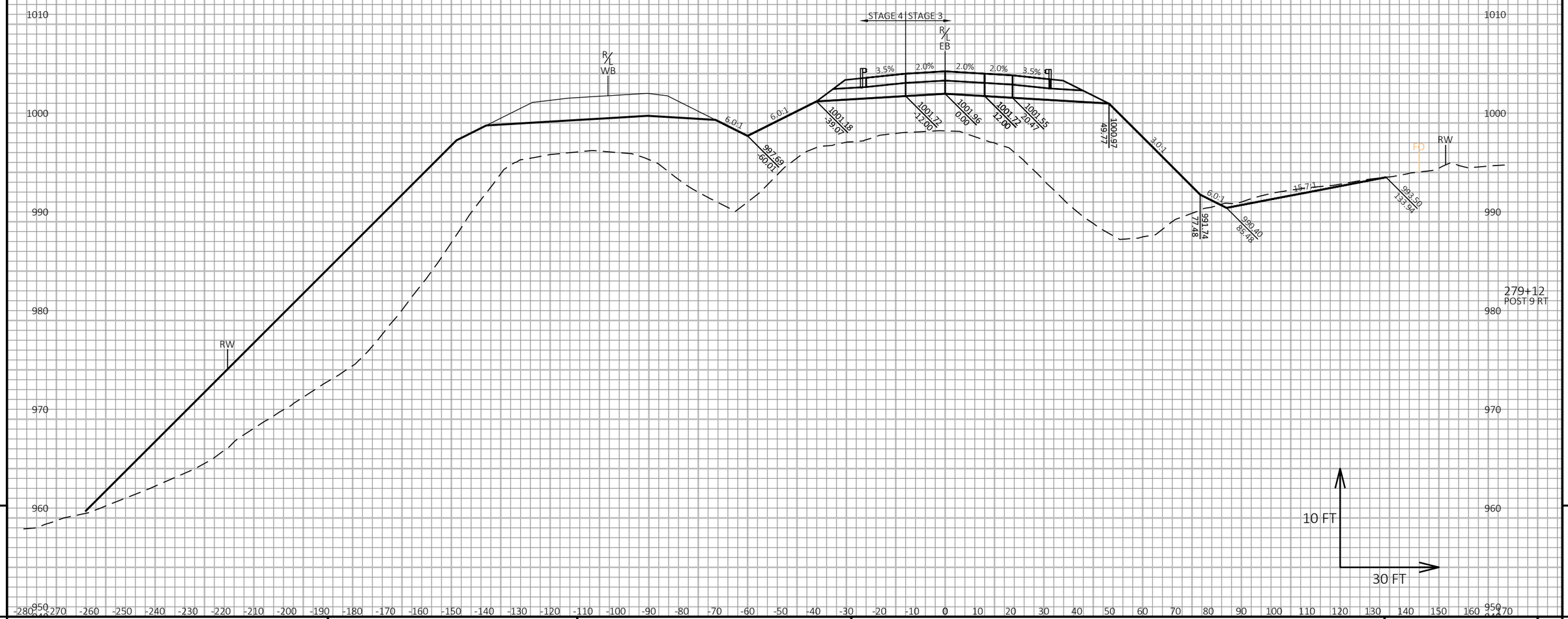
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 450	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090263-XS

PLOT DATE : 5/8/2024 1:48 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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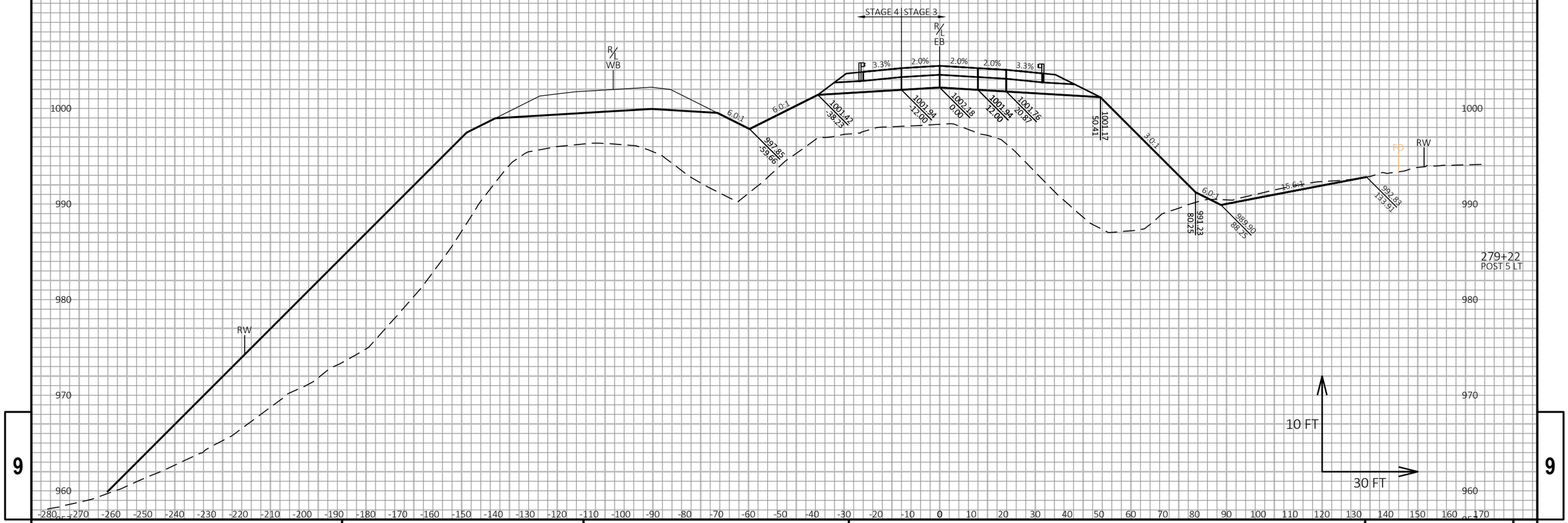
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 451	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090264-XS

PLOT DATE : 5/8/2024 1:48 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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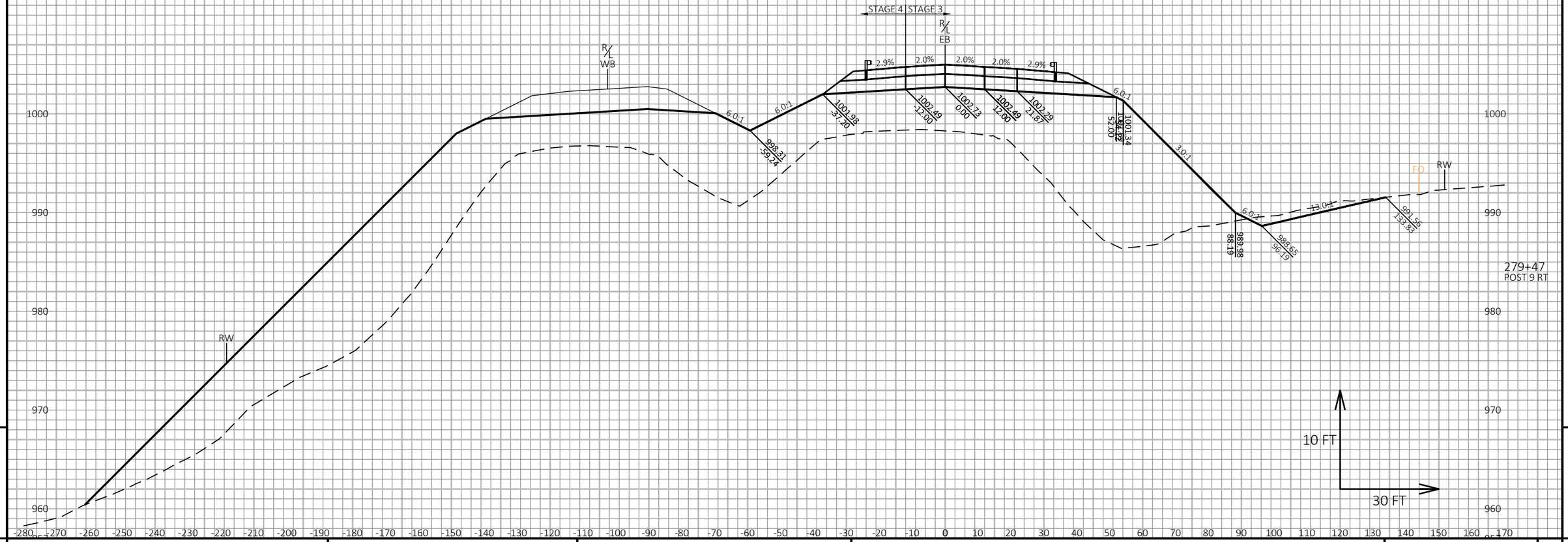
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 452	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090265-XS

PLOT DATE : 5/8/2024 1:48 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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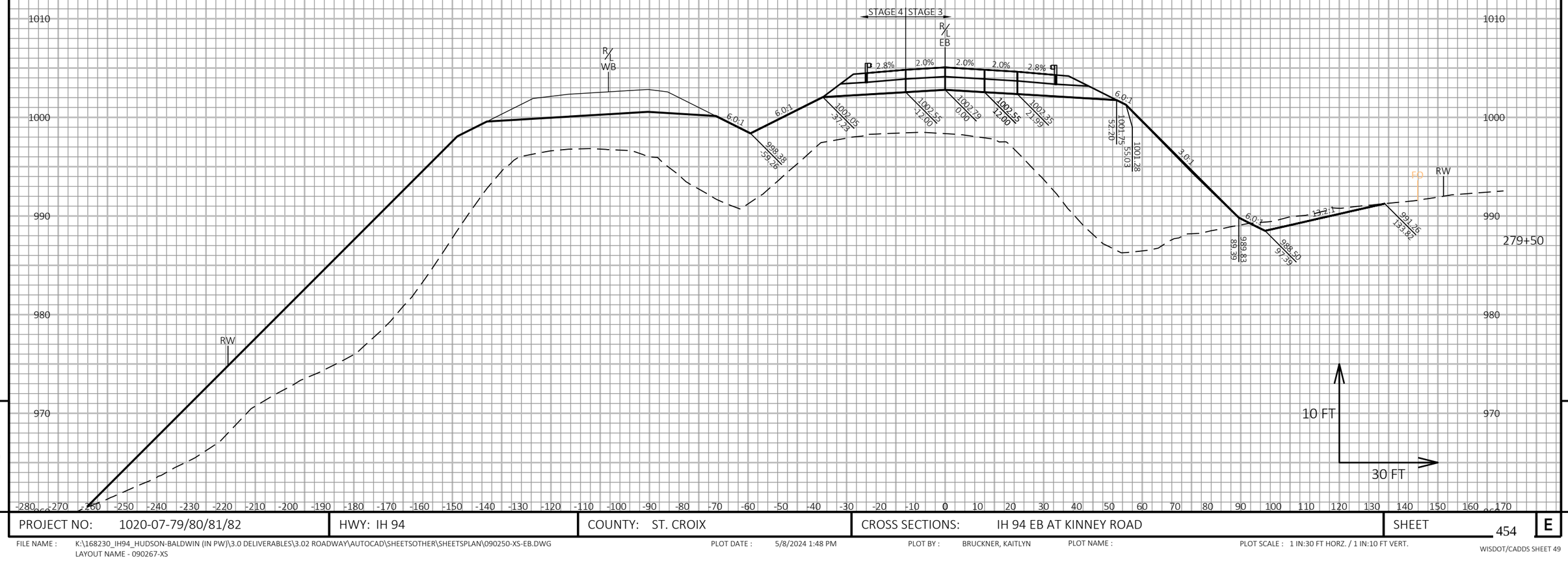
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 453	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090266-XS

PLOT DATE : 5/8/2024 1:48 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 454	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090267-XS

PLOT DATE : 5/8/2024 1:48 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

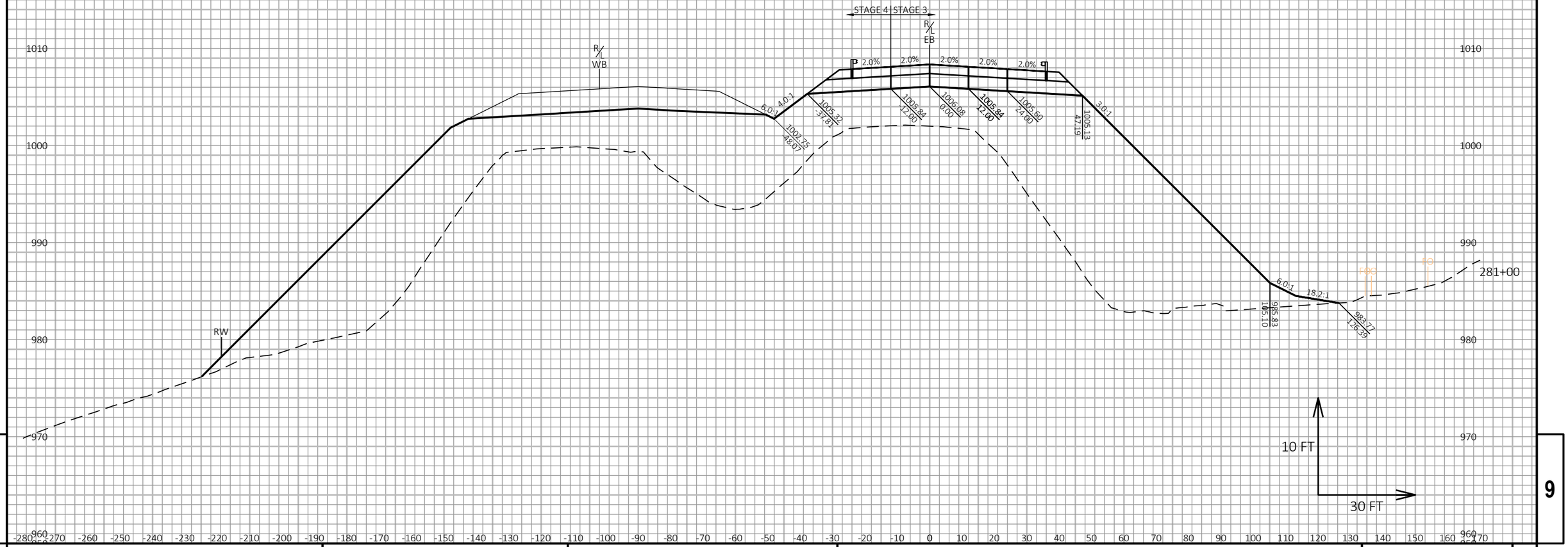
WISDOT/CADDS SHEET 49

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 455	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090268-XS

PLOT DATE : 5/8/2024 1:48 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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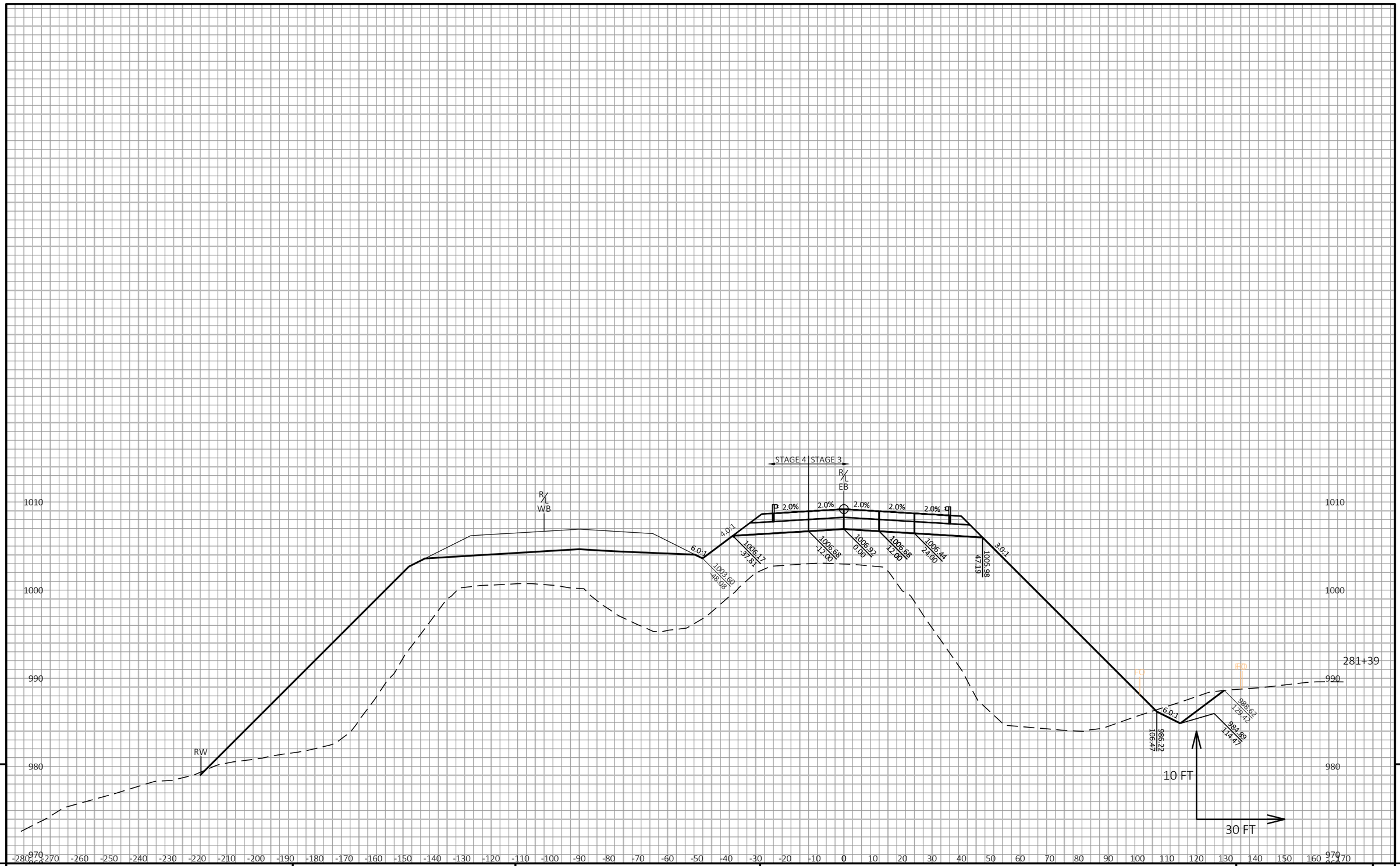
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 456	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090269-XS
PLOT DATE : 5/8/2024 1:48 PM
PLOT BY : BRUCKNER, KAITLYN
PLOT NAME :
PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



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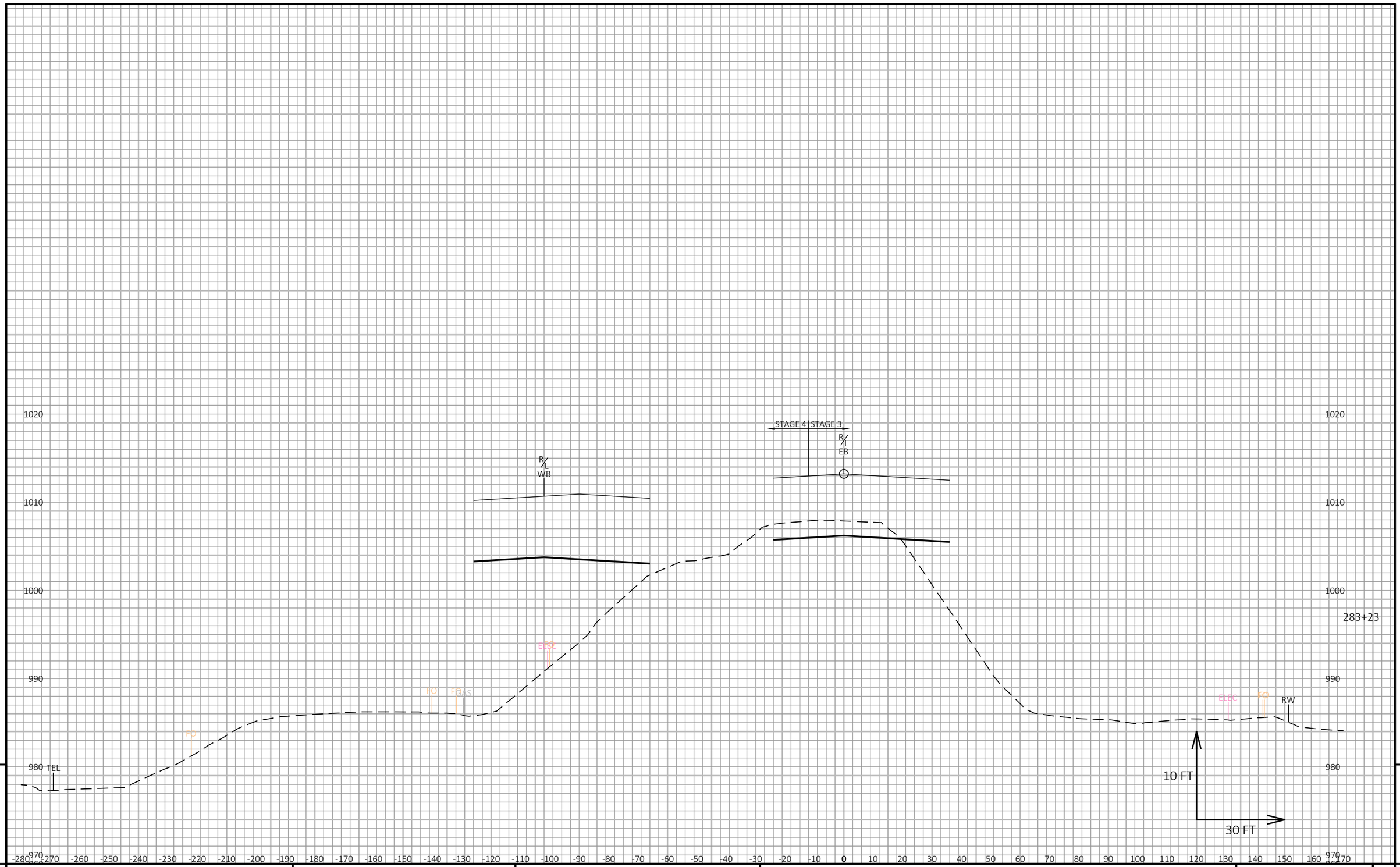
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 457	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090270-XS

PLOT DATE : 5/8/2024 1:48 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.



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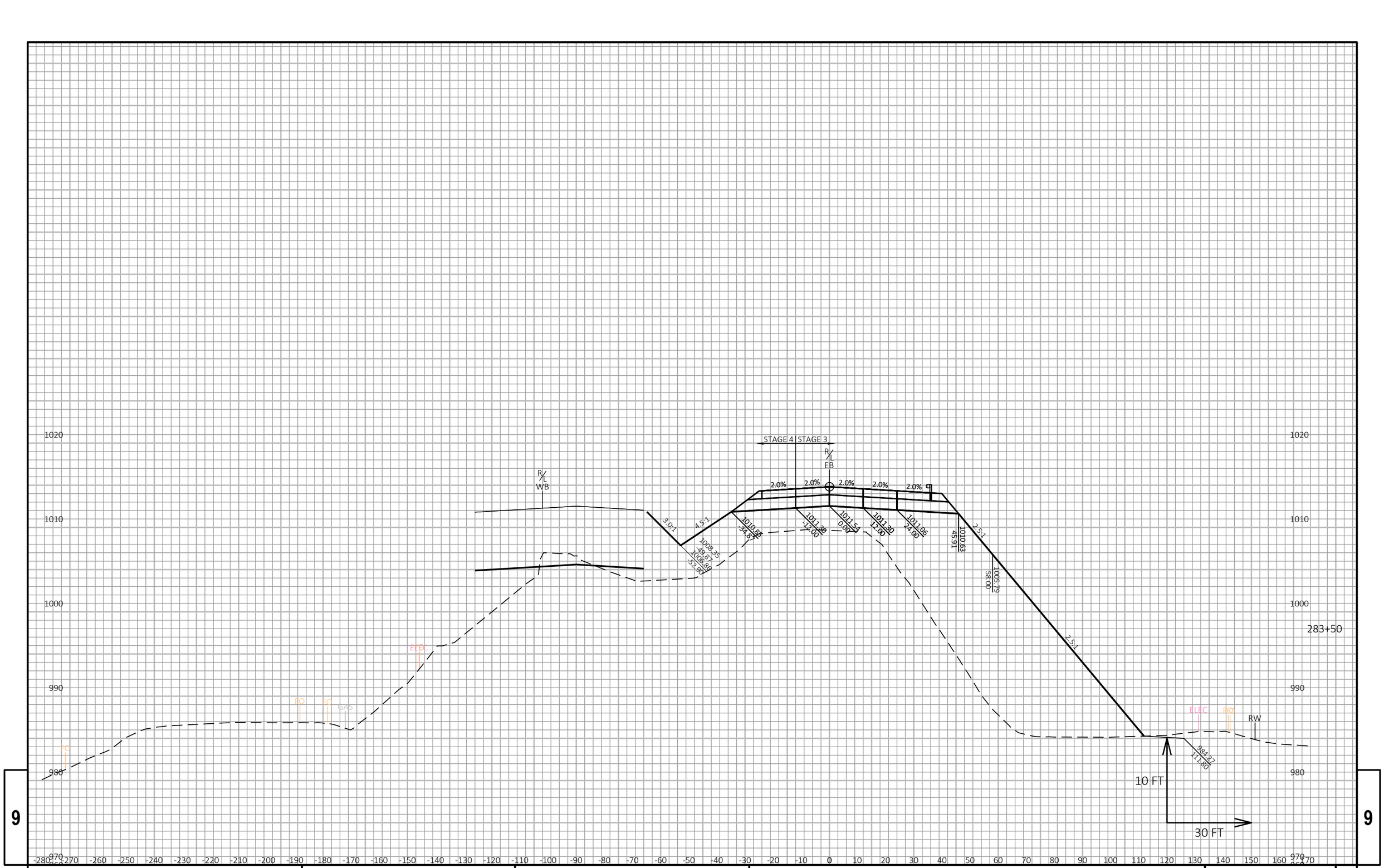
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 458	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090271-XS

PLOT DATE : 5/8/2024 1:48 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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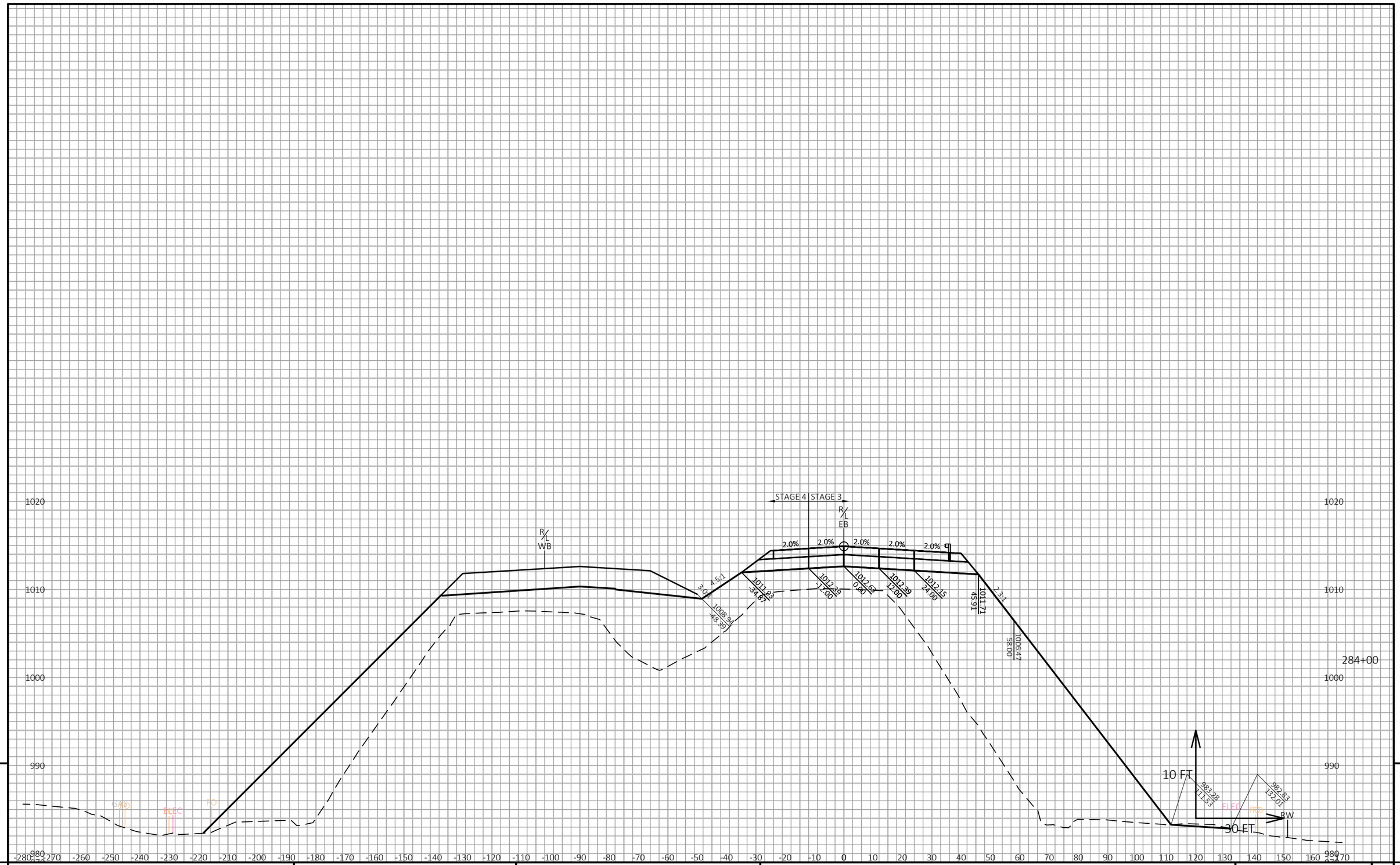
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 459	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090272-XS

PLOT DATE : 5/8/2024 1:48 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

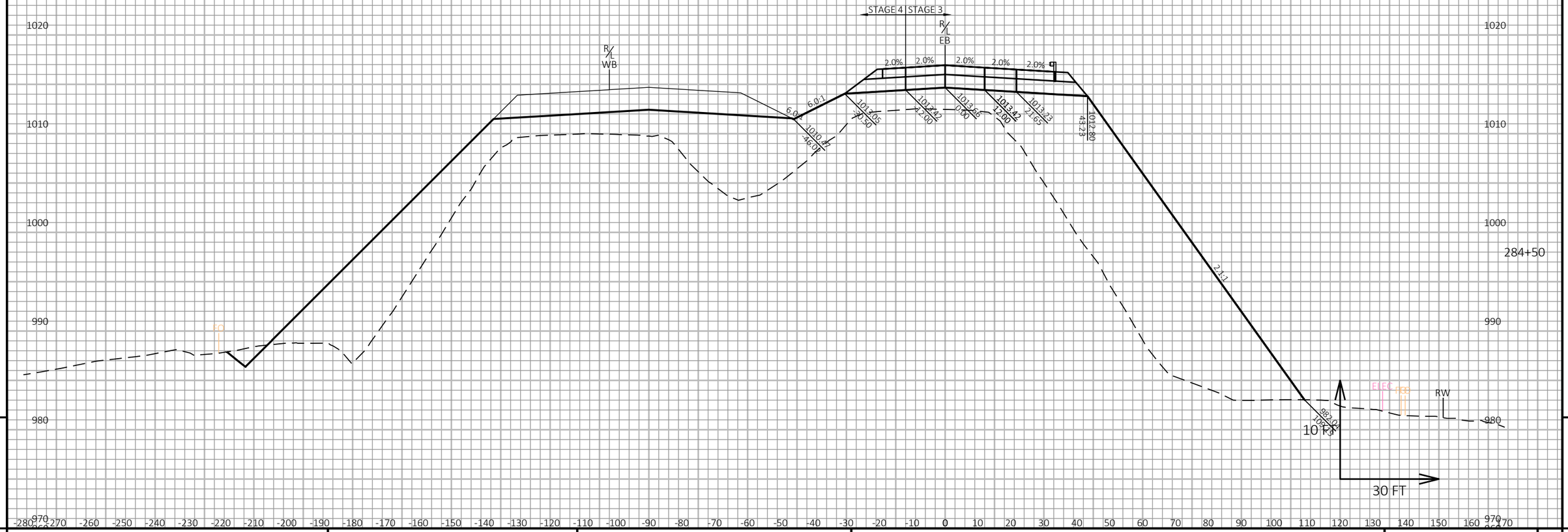


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 460	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090273-XS

PLOT DATE : 5/8/2024 1:48 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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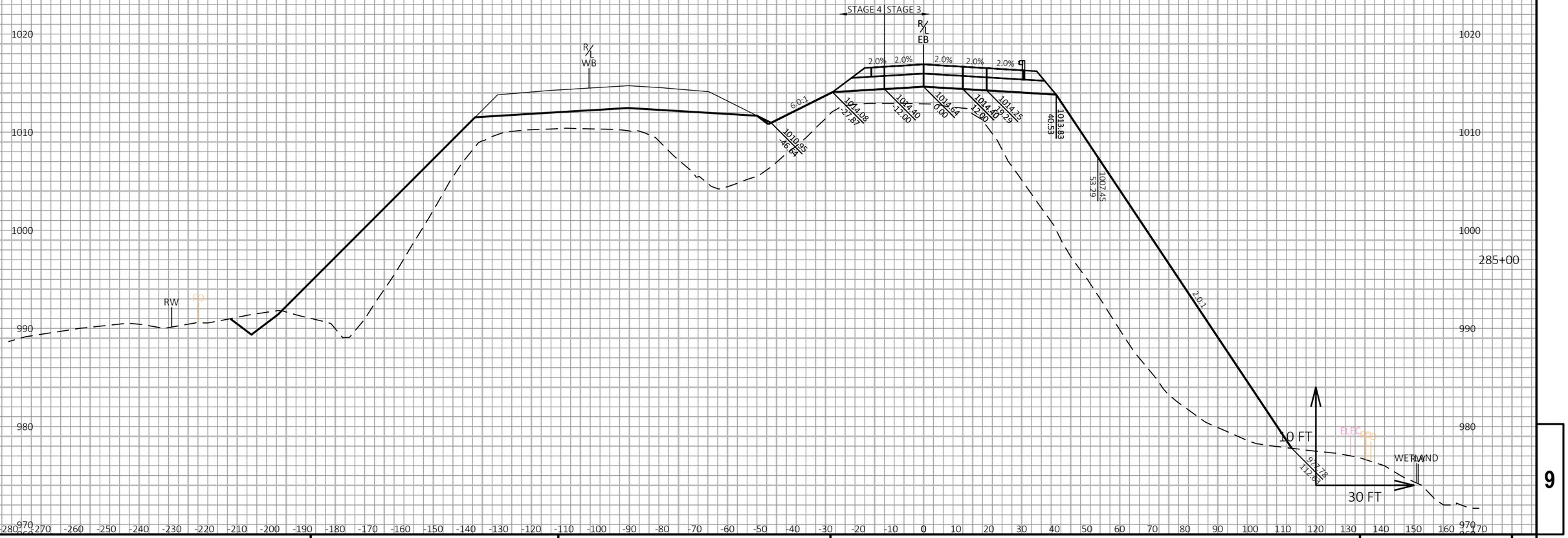
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 461	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090274-XS

PLOT DATE : 5/8/2024 1:48 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 462	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090275-XS

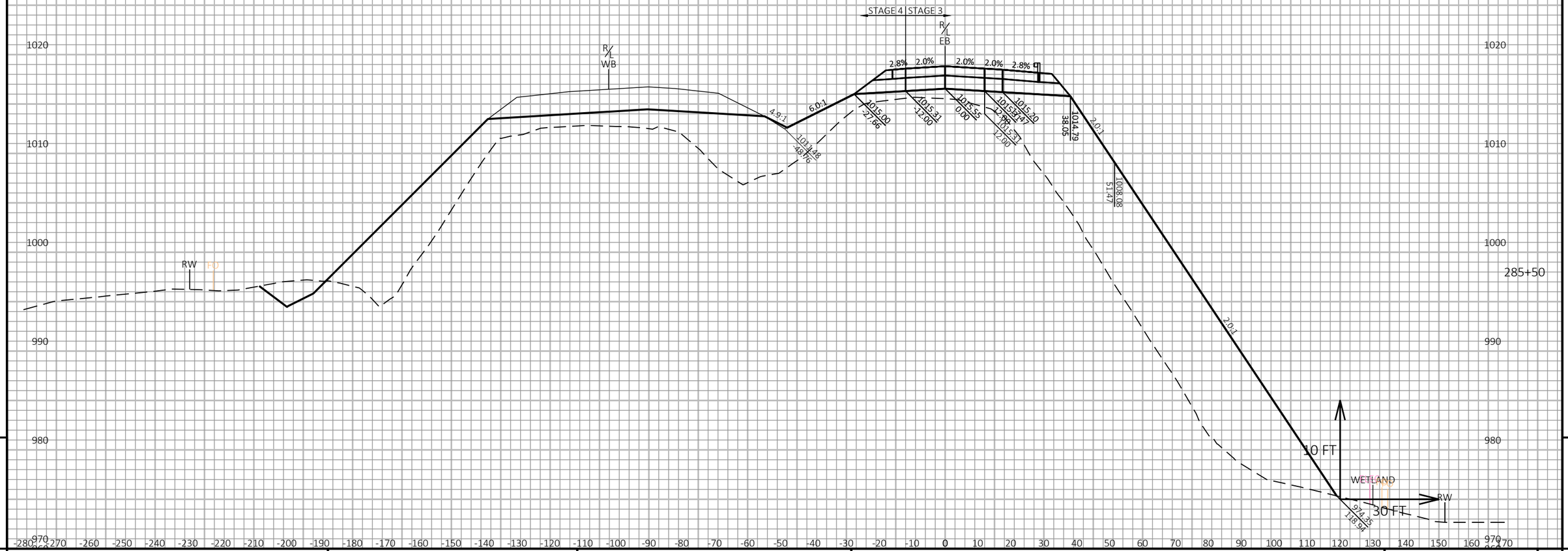
PLOT DATE : 5/8/2024 1:49 PM

PLOT BY : BRUCKNER, KAITLYN

PLOT NAME :

PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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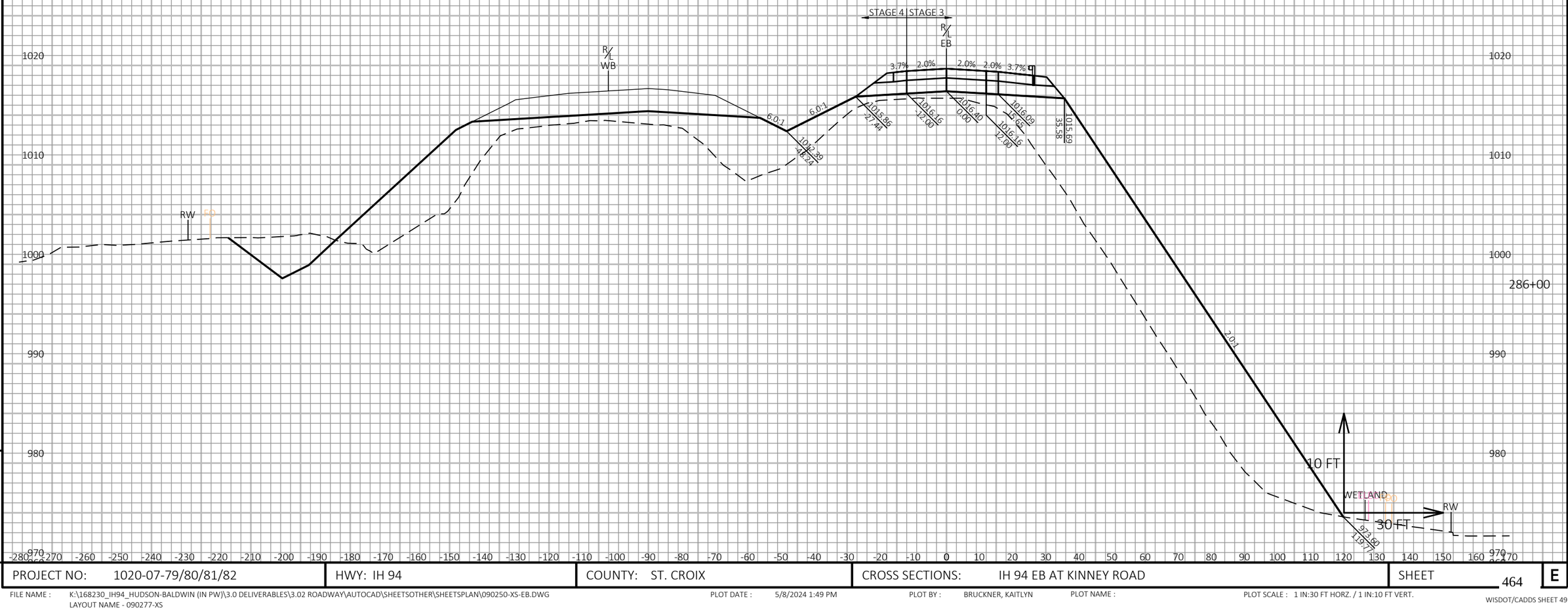
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 463	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090276-XS

PLOT DATE : 5/8/2024 1:49 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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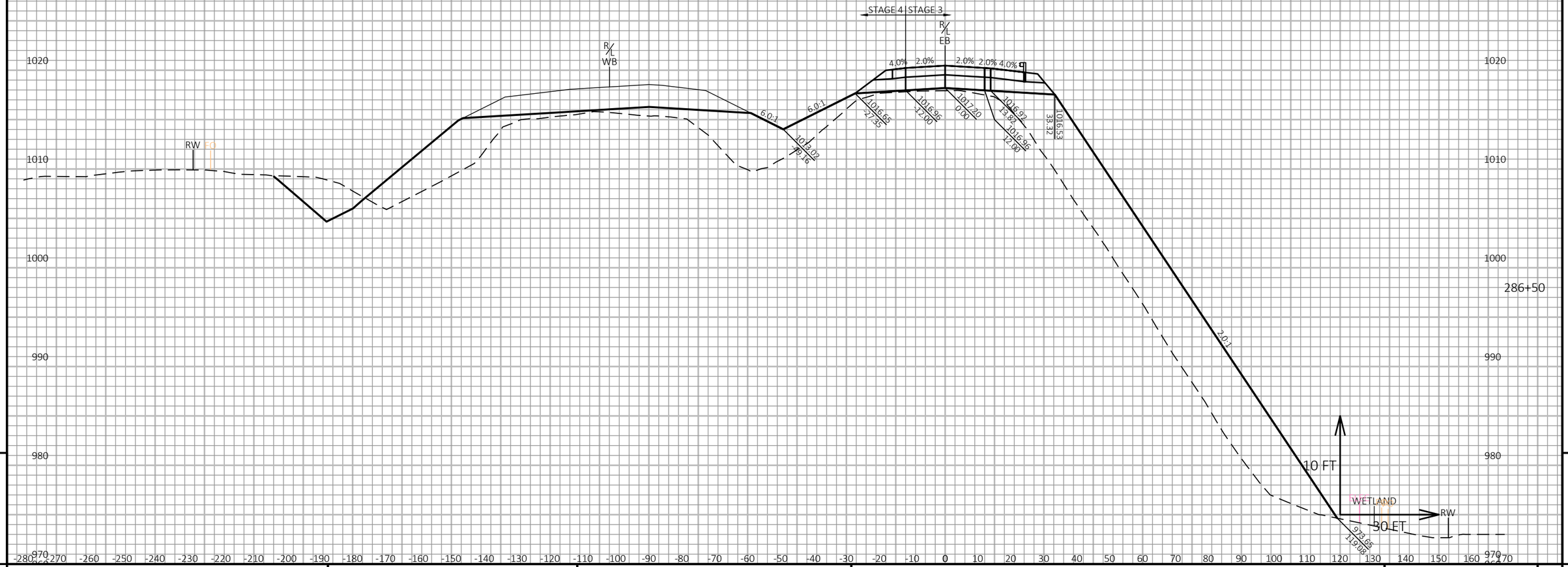
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 464	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090277-XS

PLOT DATE : 5/8/2024 1:49 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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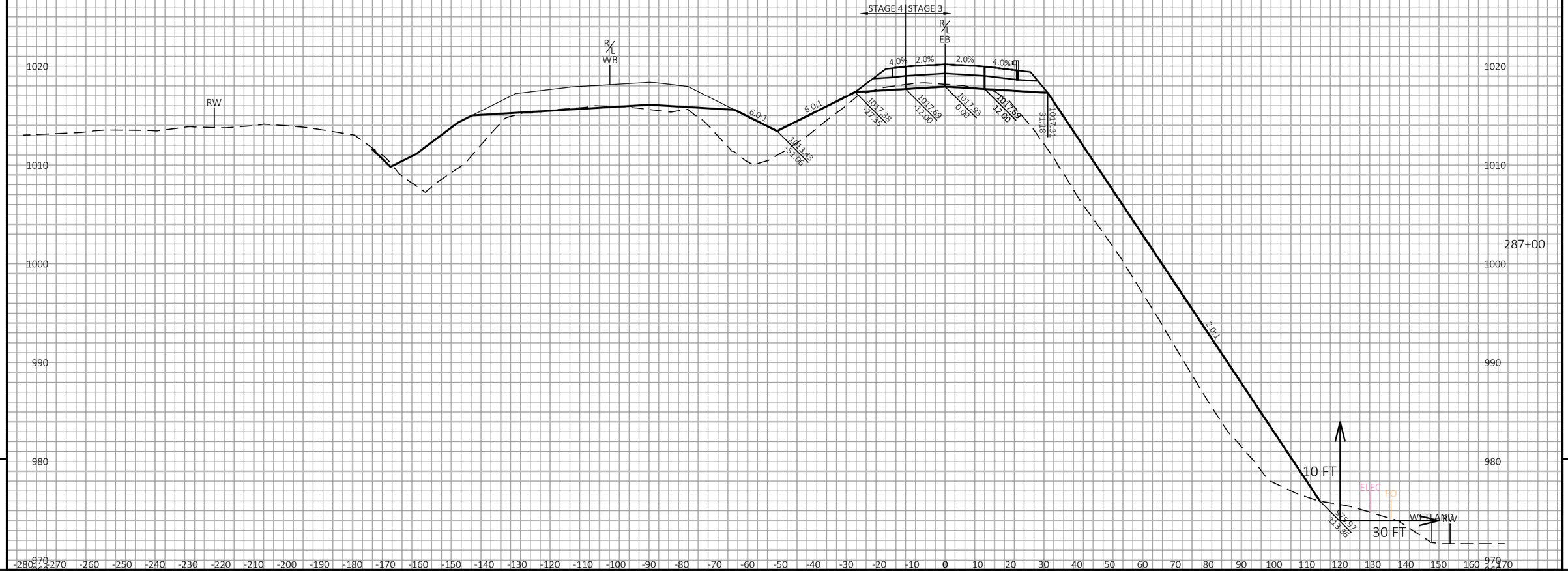
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 465	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090278-XS

PLOT DATE : 5/8/2024 1:49 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

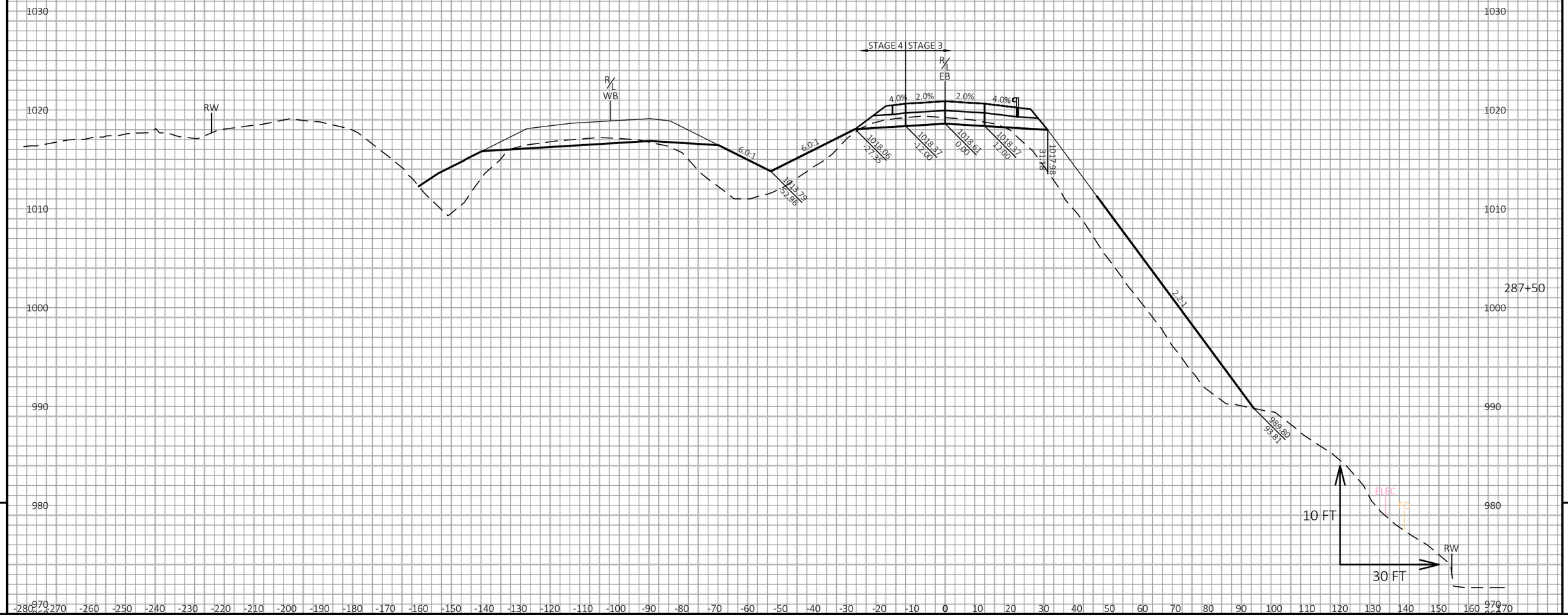


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 466 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090279-XS

PLOT DATE : 5/8/2024 1:49 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

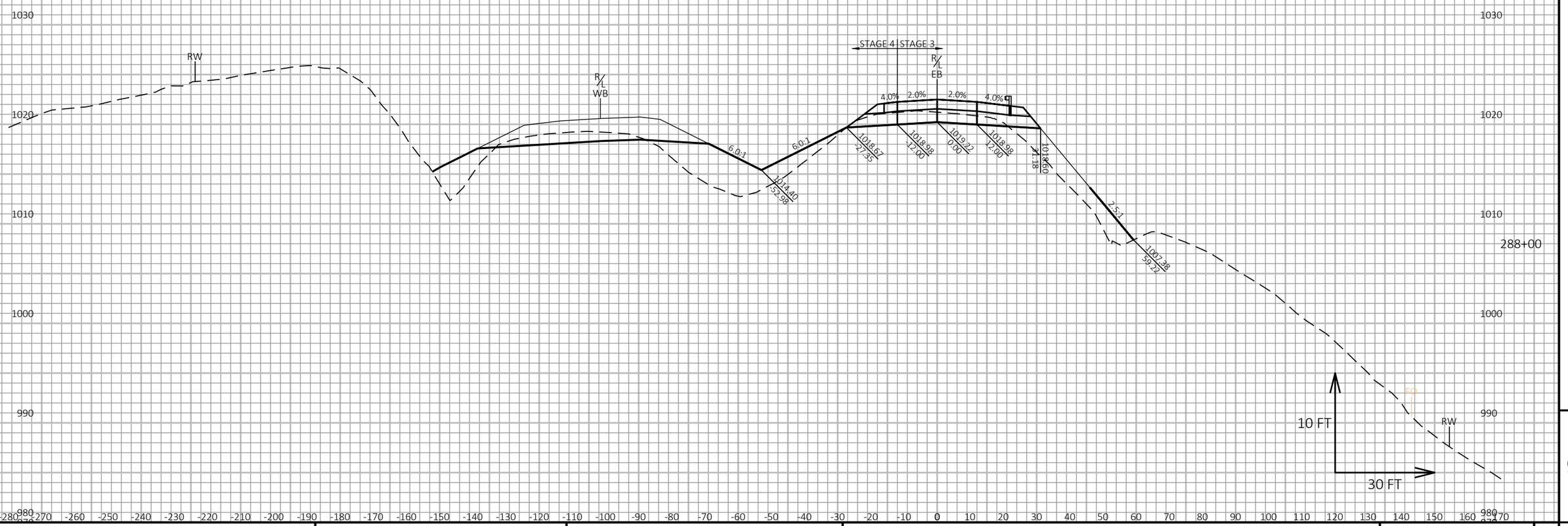


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 467 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090280-XS

PLOT DATE : 5/8/2024 1:49 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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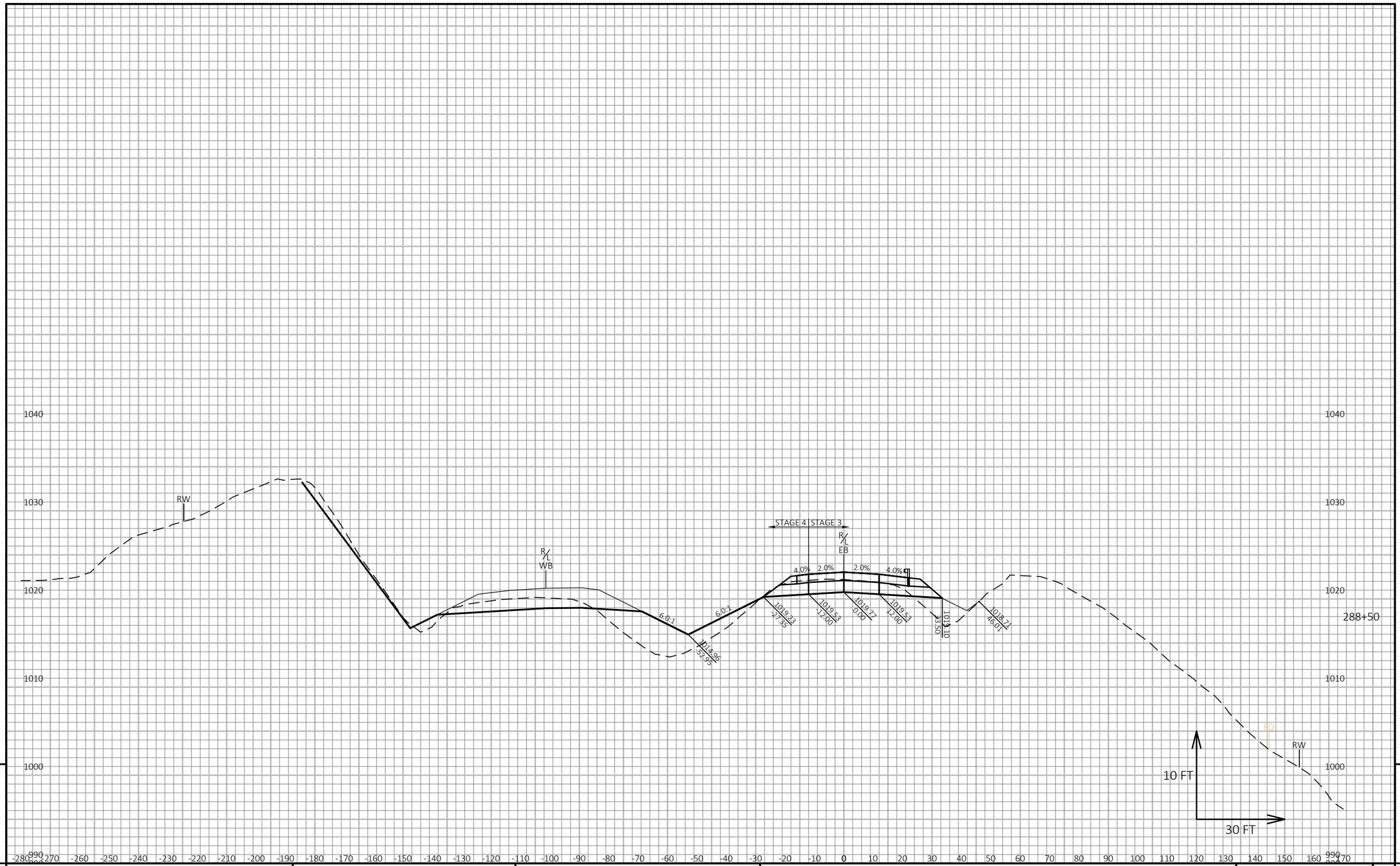
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 468	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090281-XS

PLOT DATE : 5/8/2024 1:49 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.



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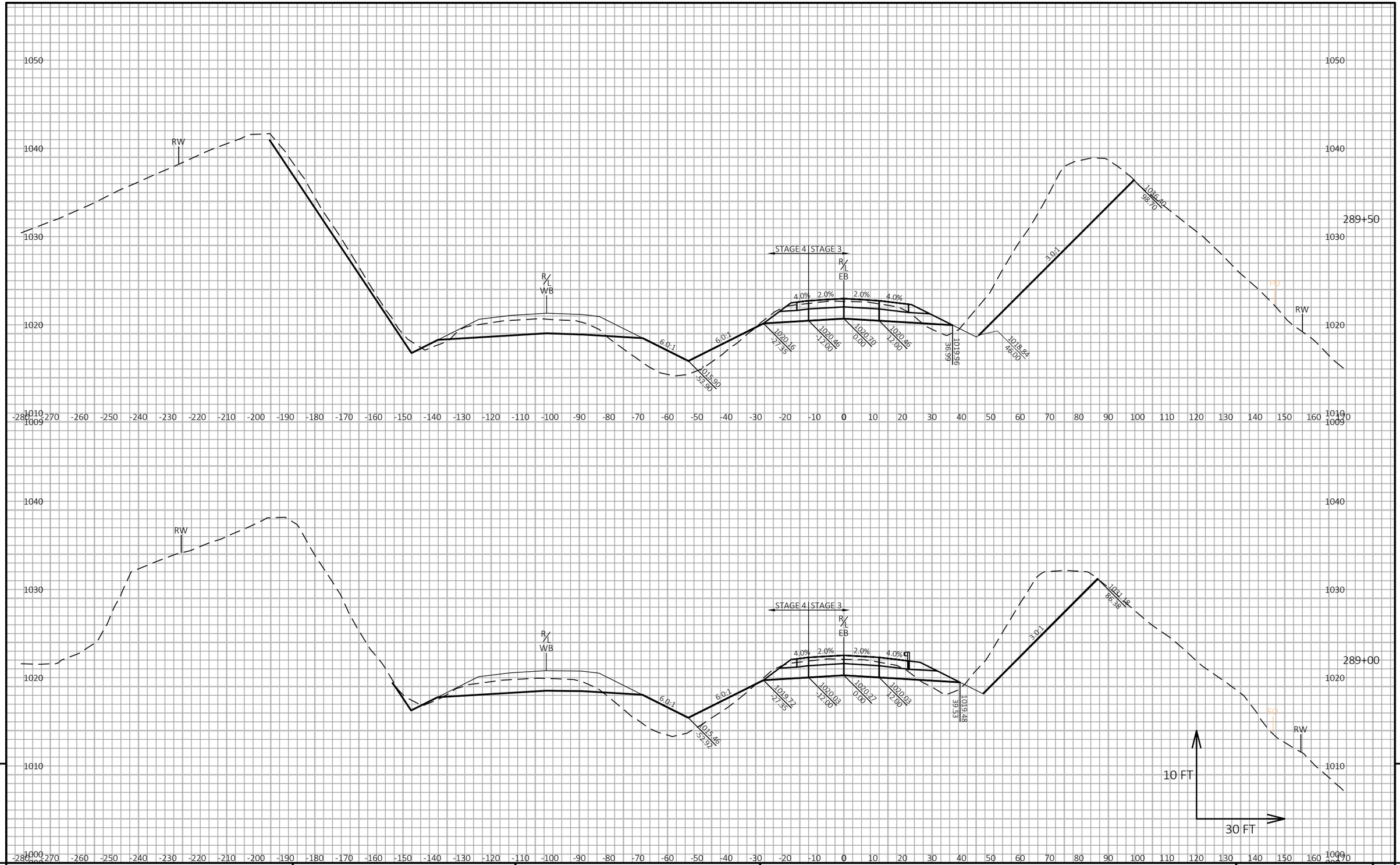
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 469	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090282-XS

PLOT DATE : 5/8/2024 1:49 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

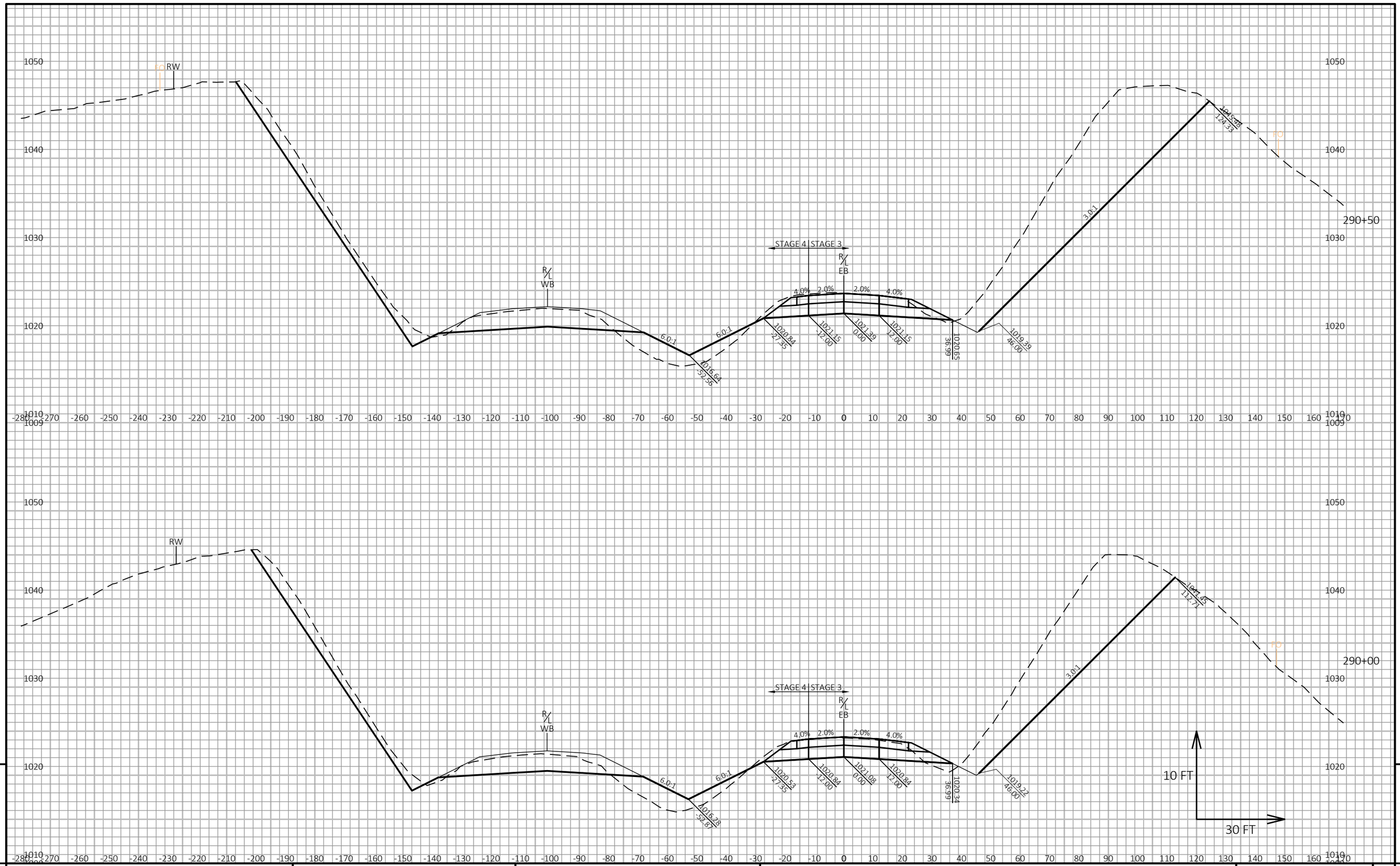


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 470 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090283-XS

PLOT DATE : 5/8/2024 1:49 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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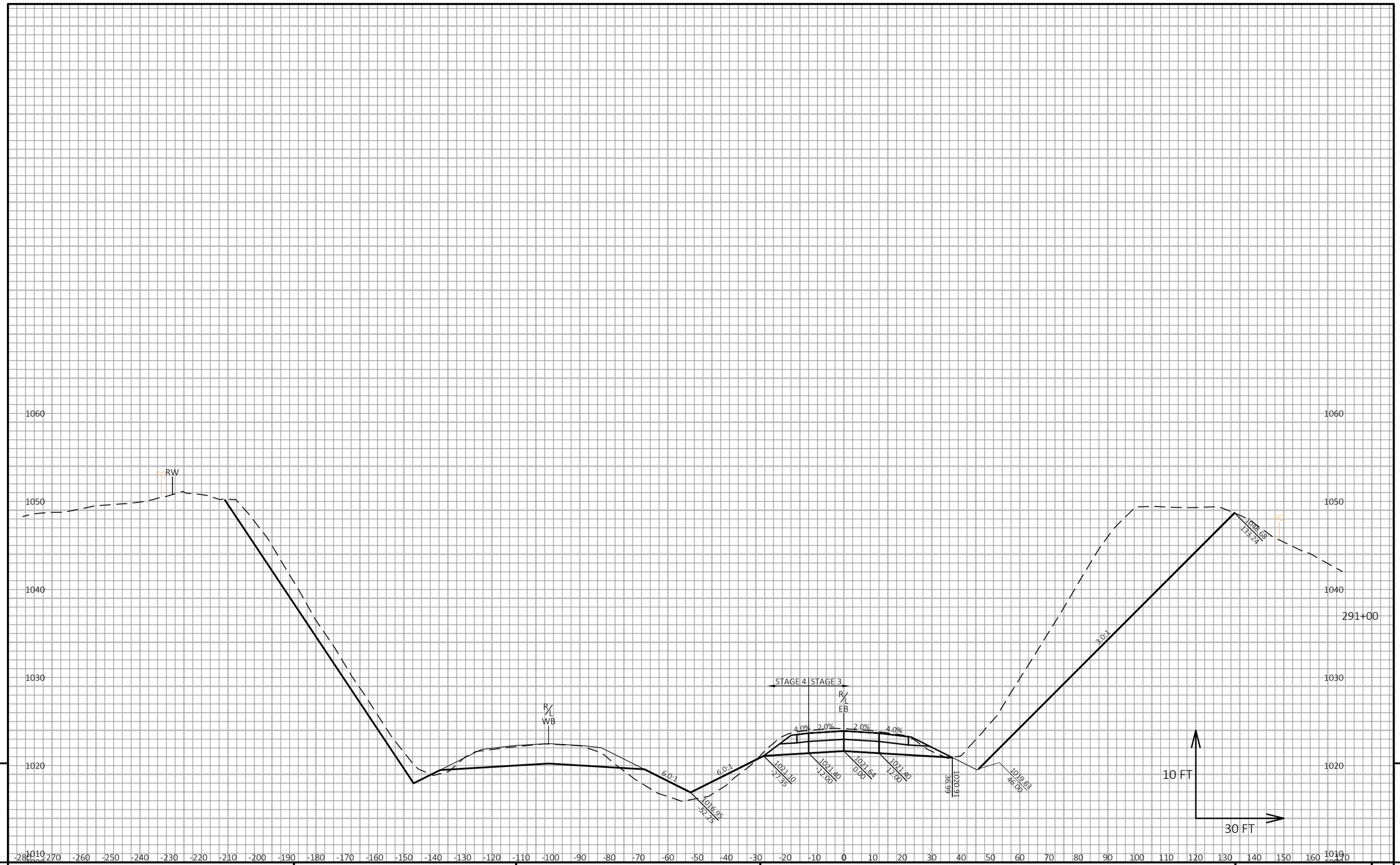
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 471	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090284-XS

PLOT DATE : 5/8/2024 1:49 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.



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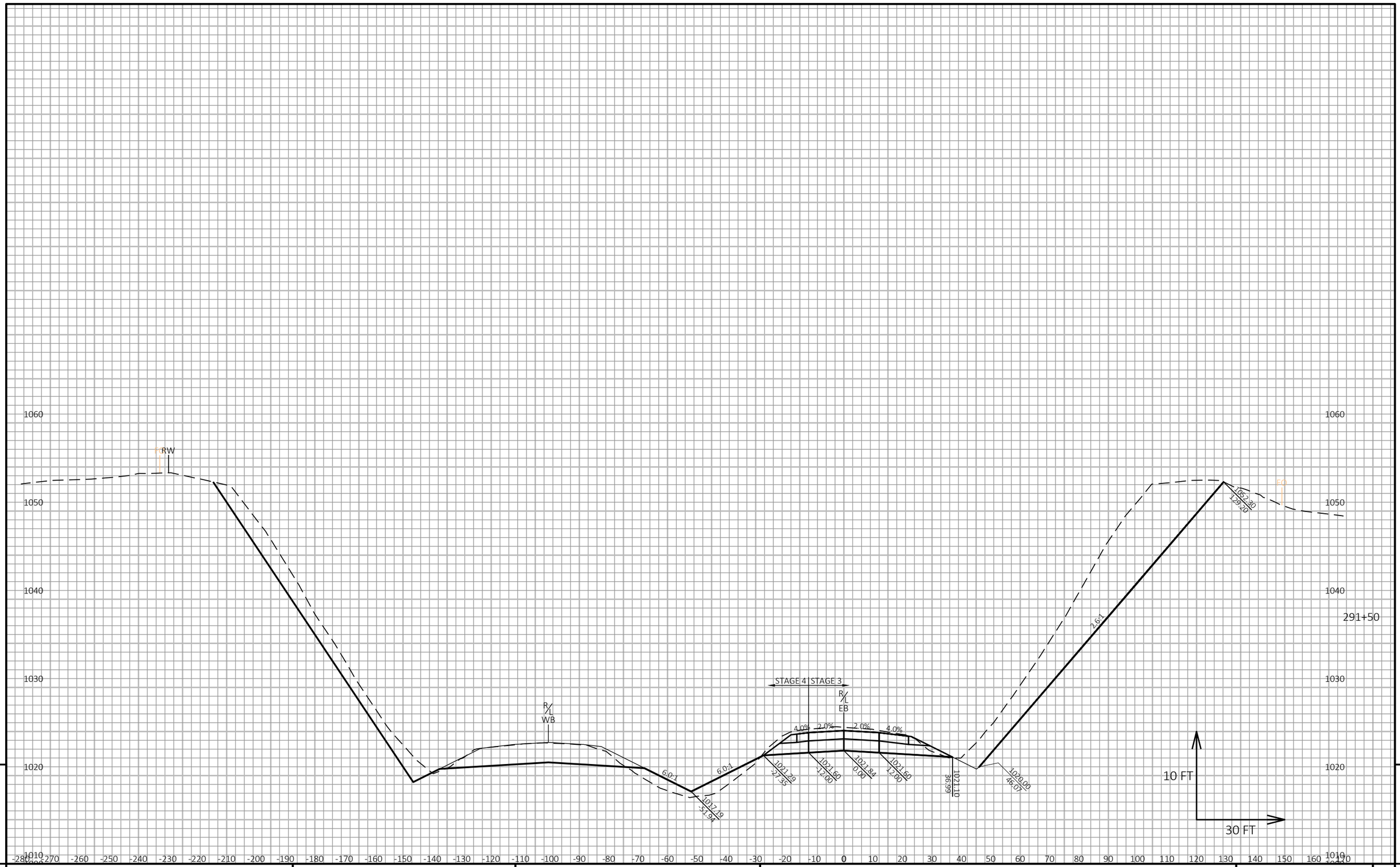
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 472	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090285-XS

PLOT DATE : 5/8/2024 1:49 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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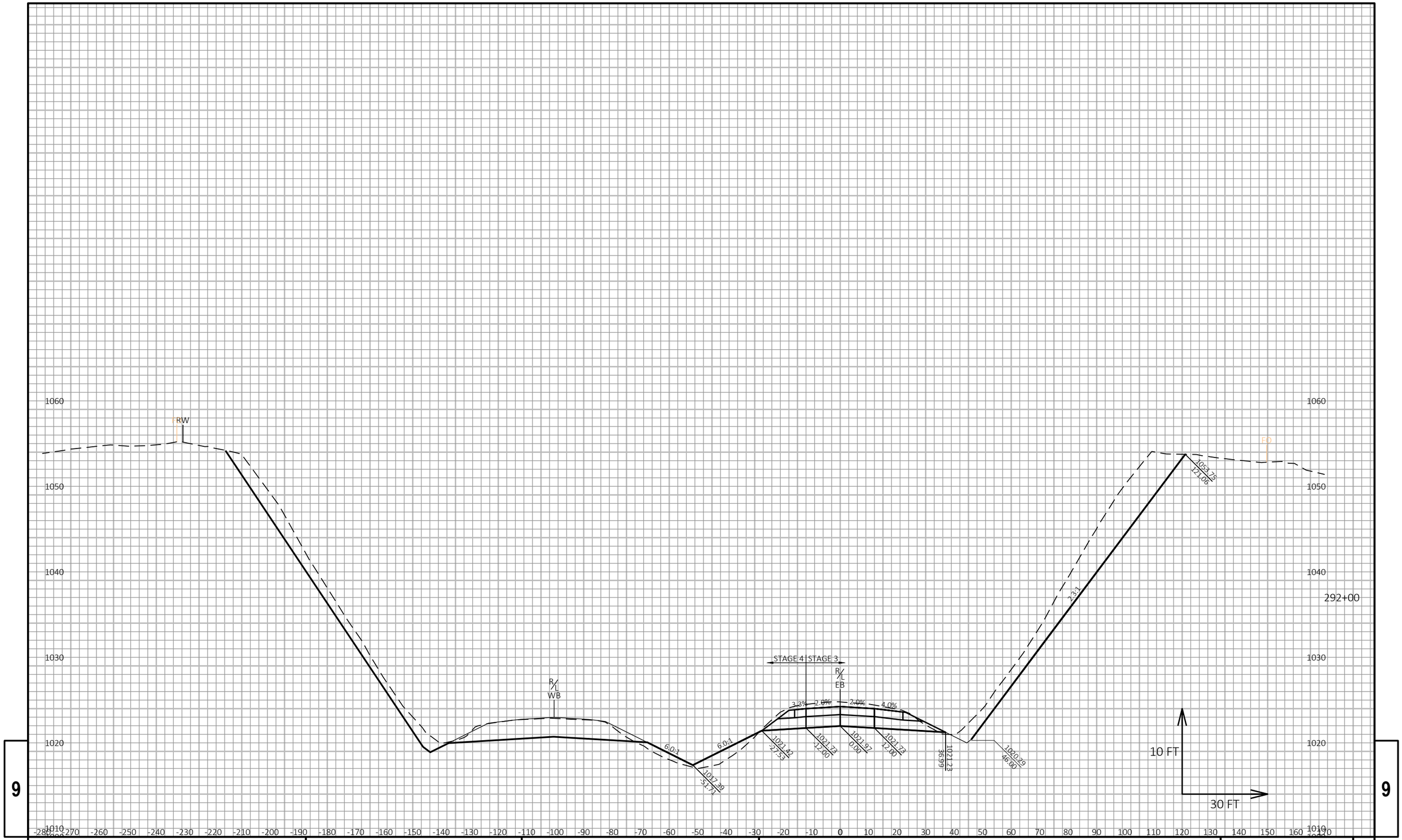
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 473	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090286-XS

PLOT DATE : 5/8/2024 1:49 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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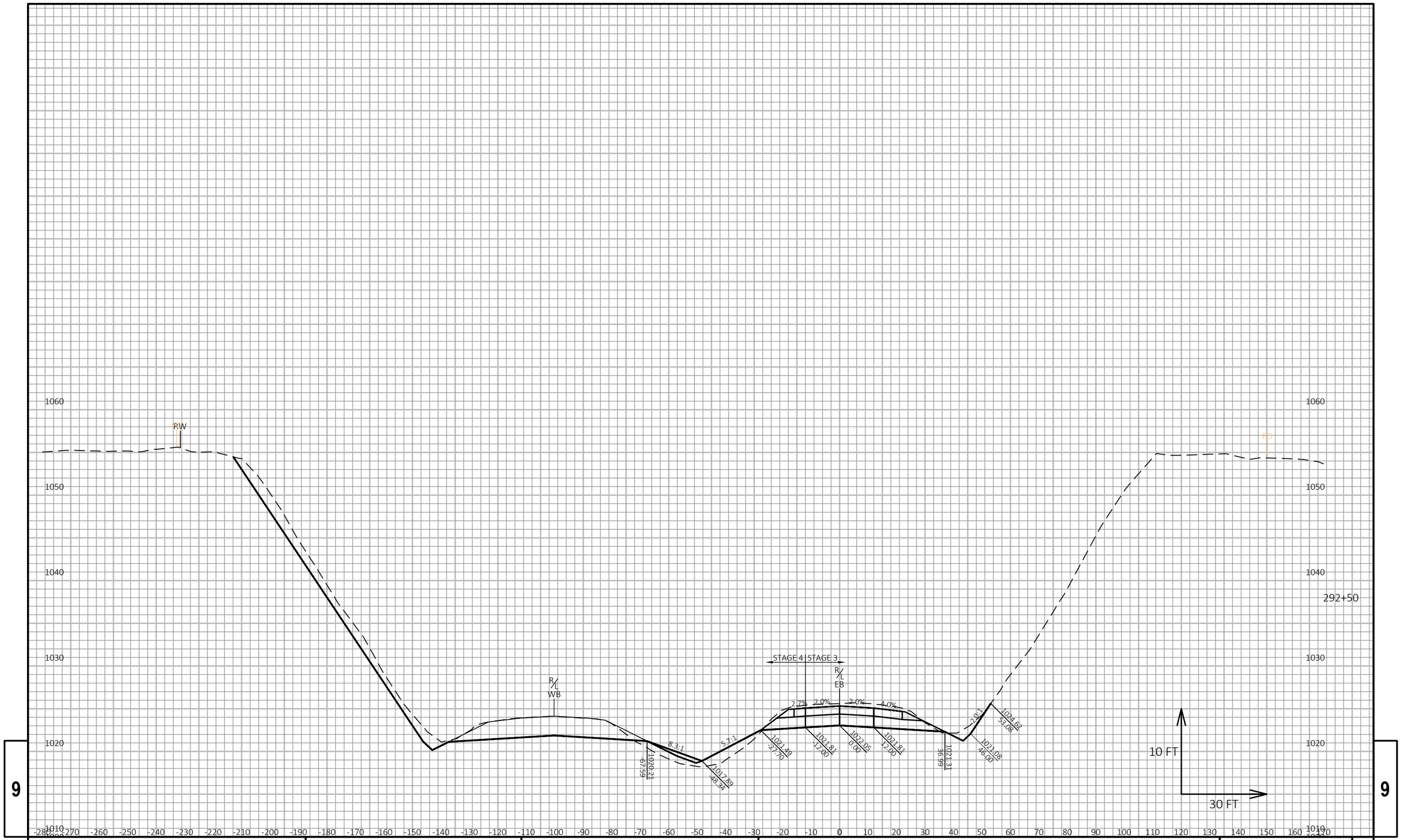
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 474	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090287-XS

PLOT DATE : 5/8/2024 1:50 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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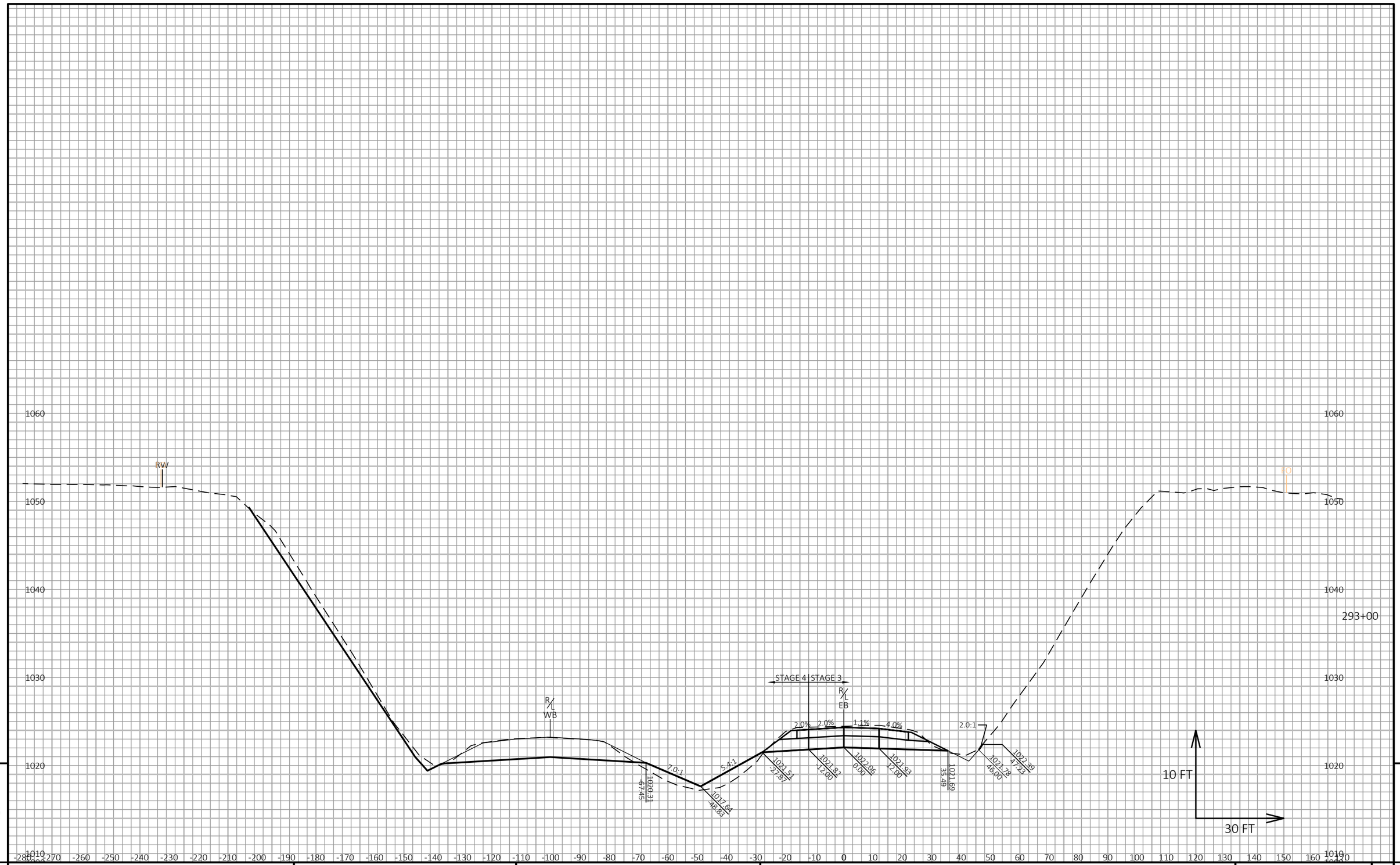
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 475	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090288-XS

PLOT DATE : 5/8/2024 1:50 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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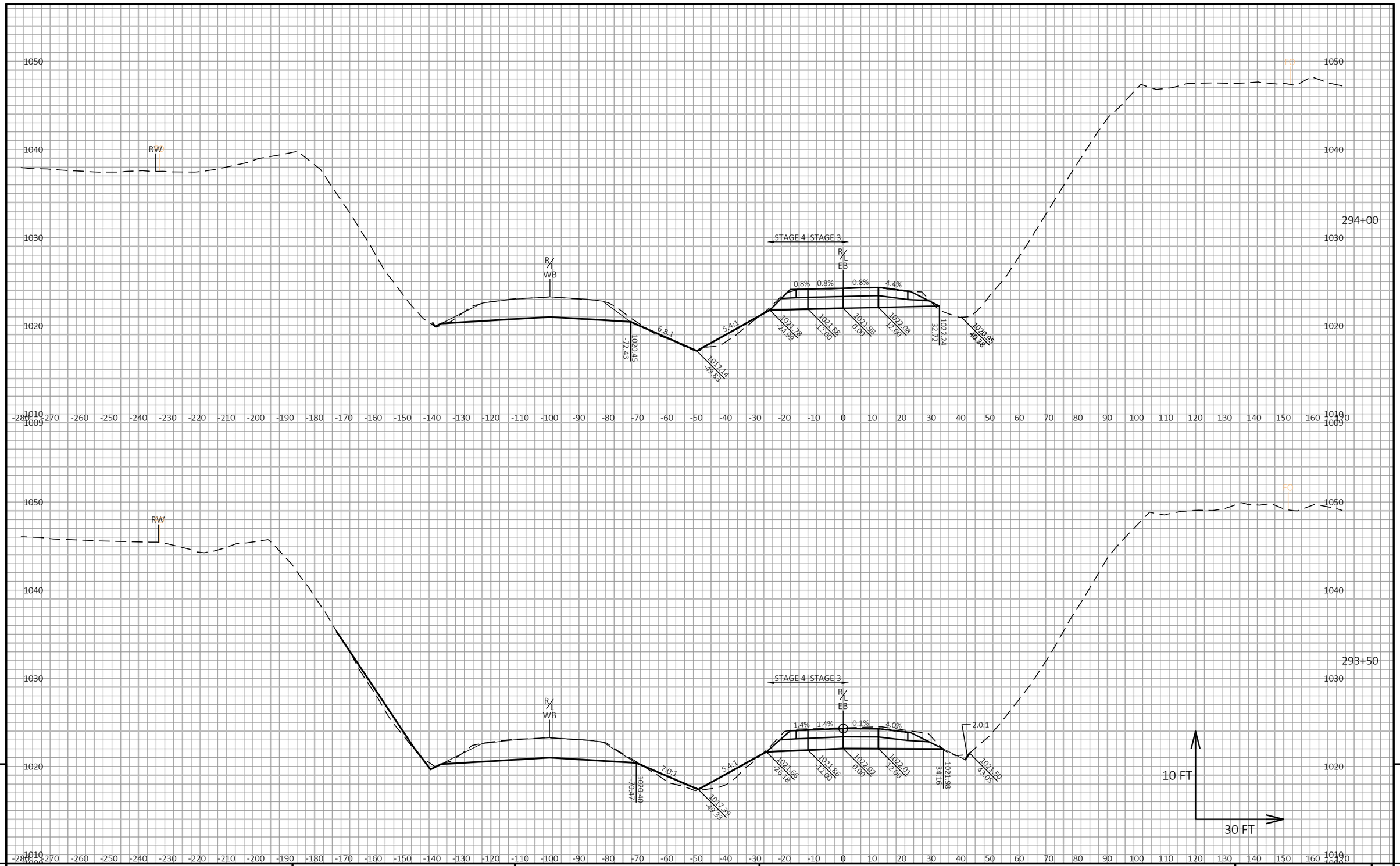
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 476	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090289-XS

PLOT DATE : 5/8/2024 1:50 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.



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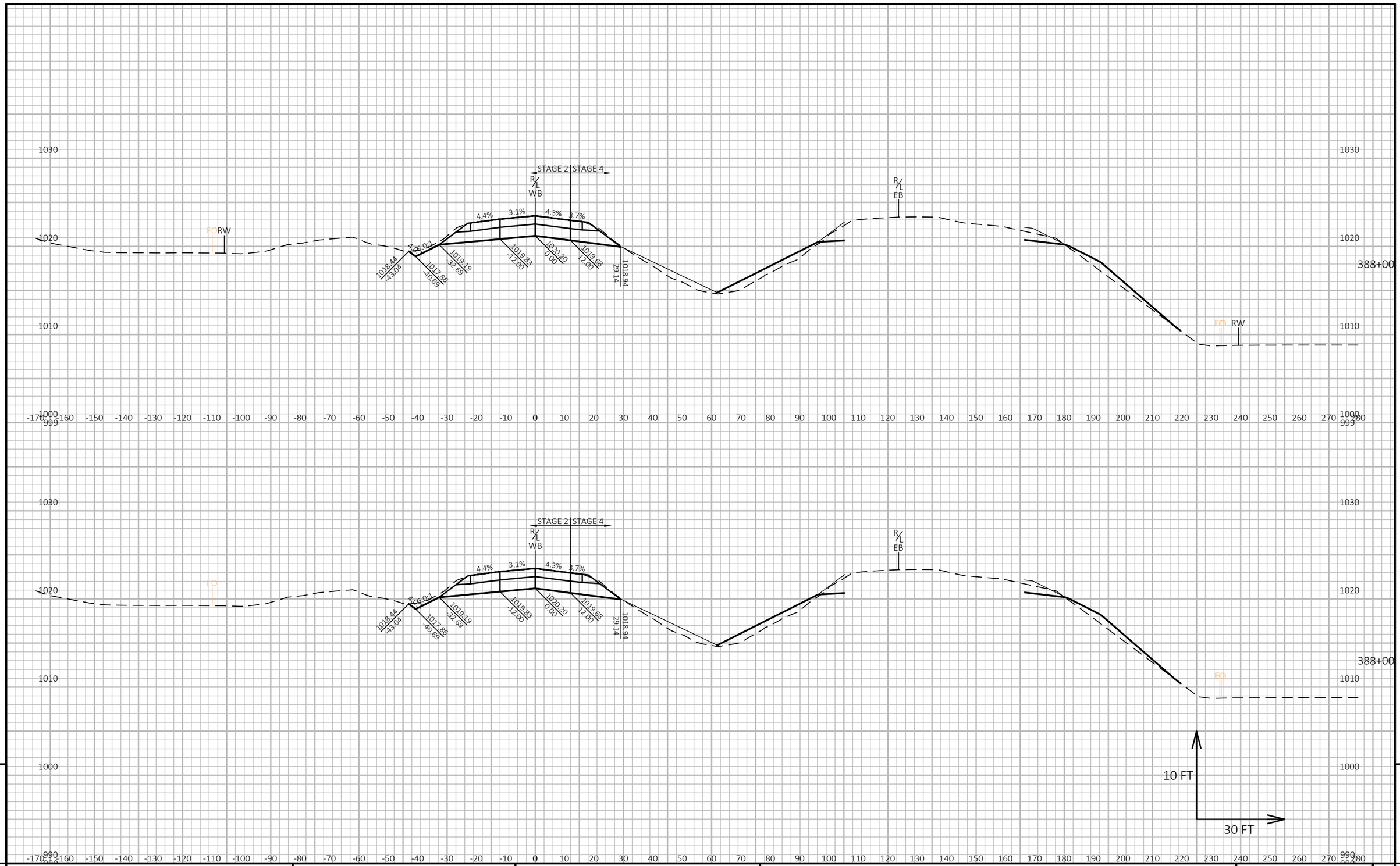
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT KINNEY ROAD	SHEET 477	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090250-XS-EB.DWG
LAYOUT NAME - 090290-XS

PLOT DATE : 5/8/2024 1:50 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

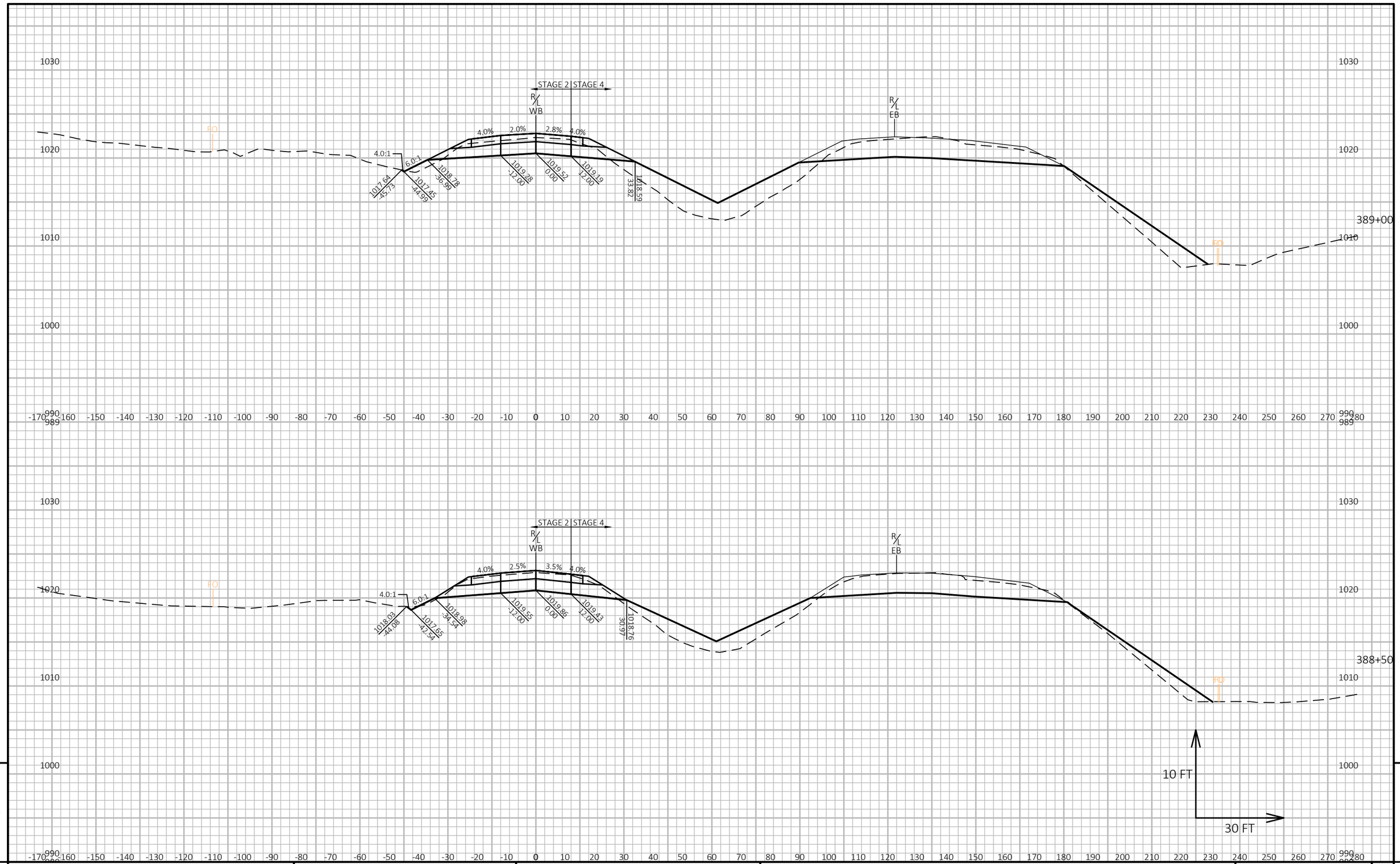


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT 100TH STREET	SHEET 478 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090301-XS-WB.DWG
LAYOUT NAME - 090301-XS

PLOT DATE : 5/8/2024 1:51 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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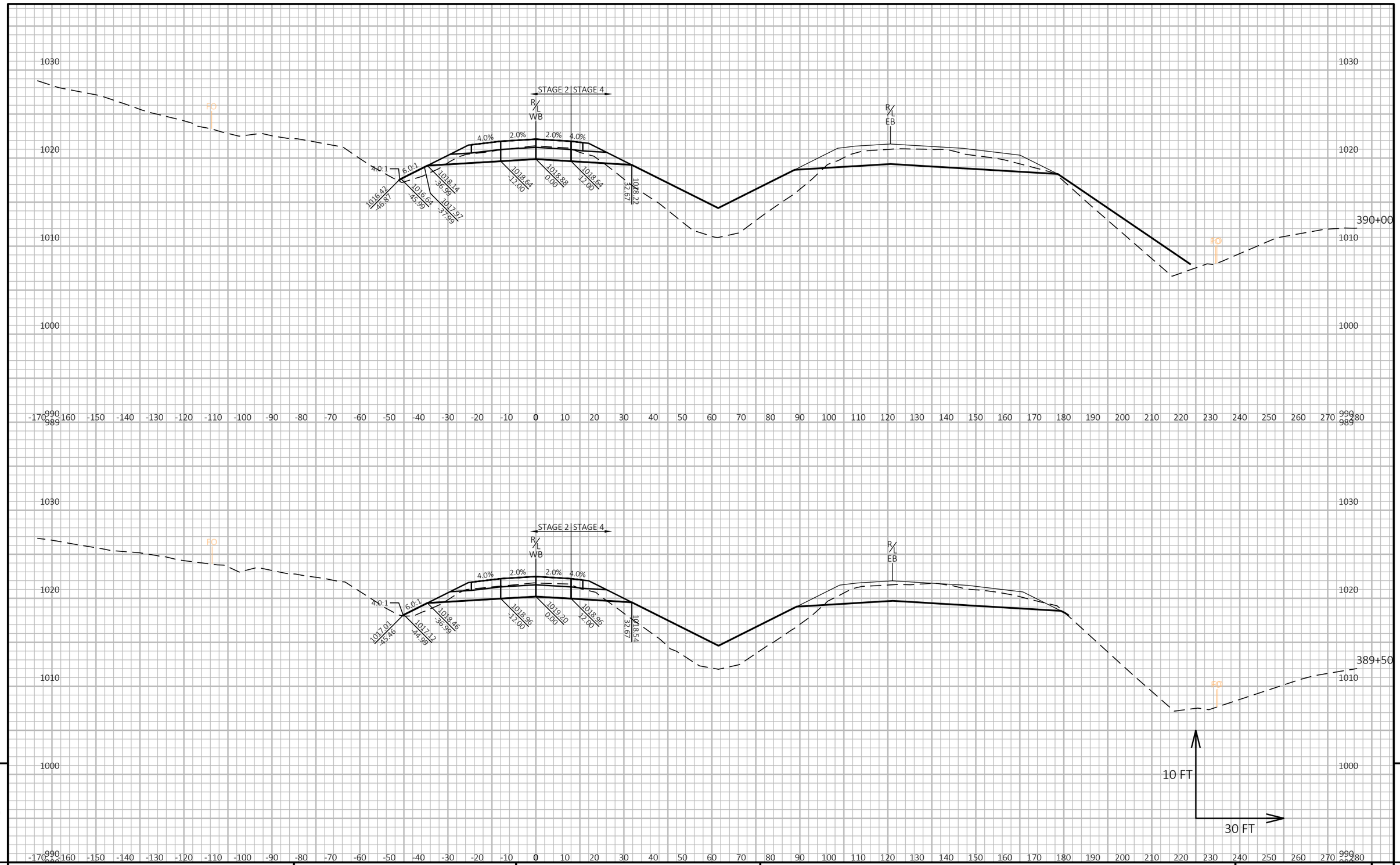
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT 100TH STREET	SHEET 479	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090301-XS-WB.DWG
LAYOUT NAME - 090302-XS

PLOT DATE : 5/8/2024 1:51 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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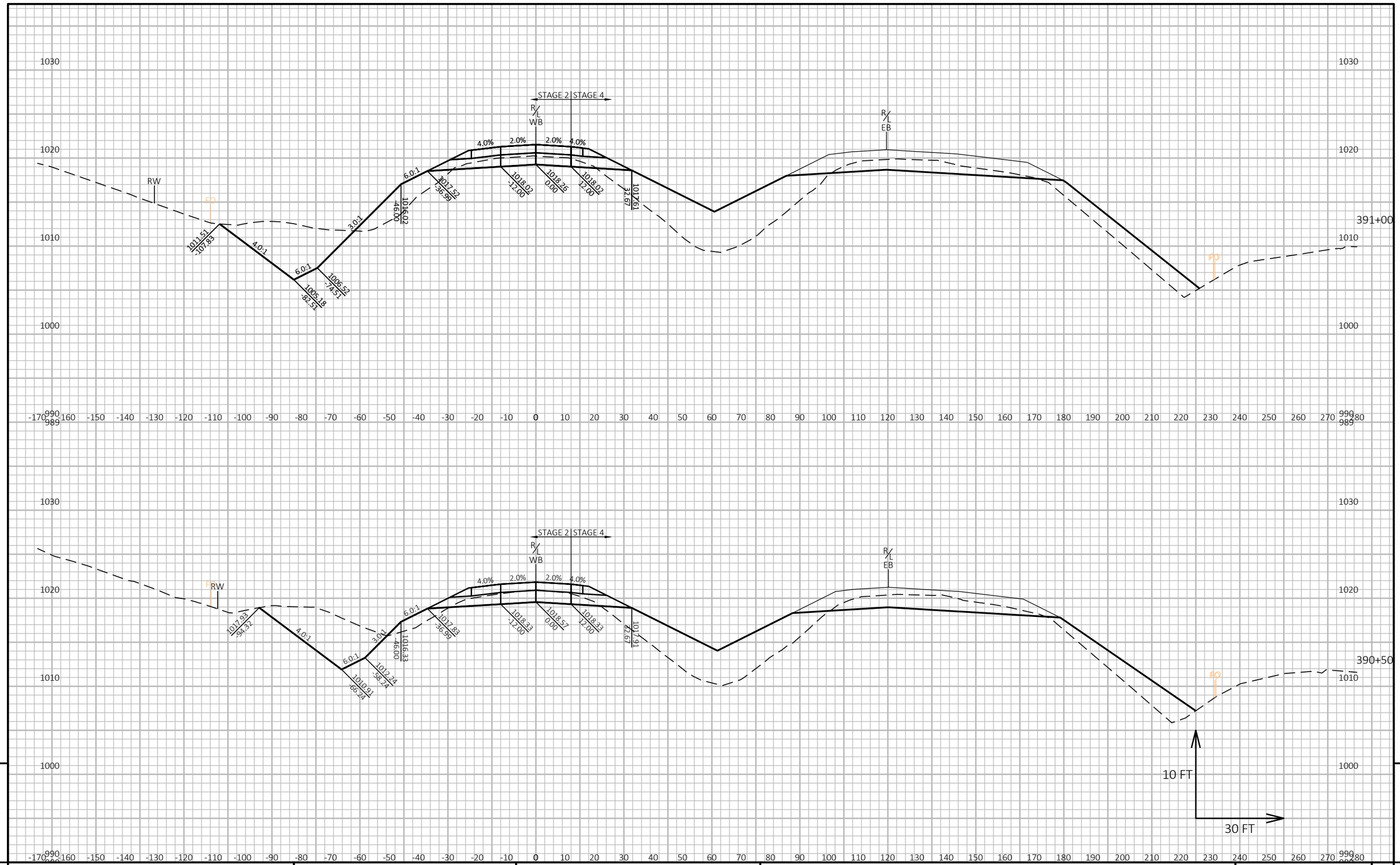
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT 100TH STREET	SHEET 480	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090301-XS-WB.DWG
LAYOUT NAME - 090303-XS

PLOT DATE : 5/8/2024 1:51 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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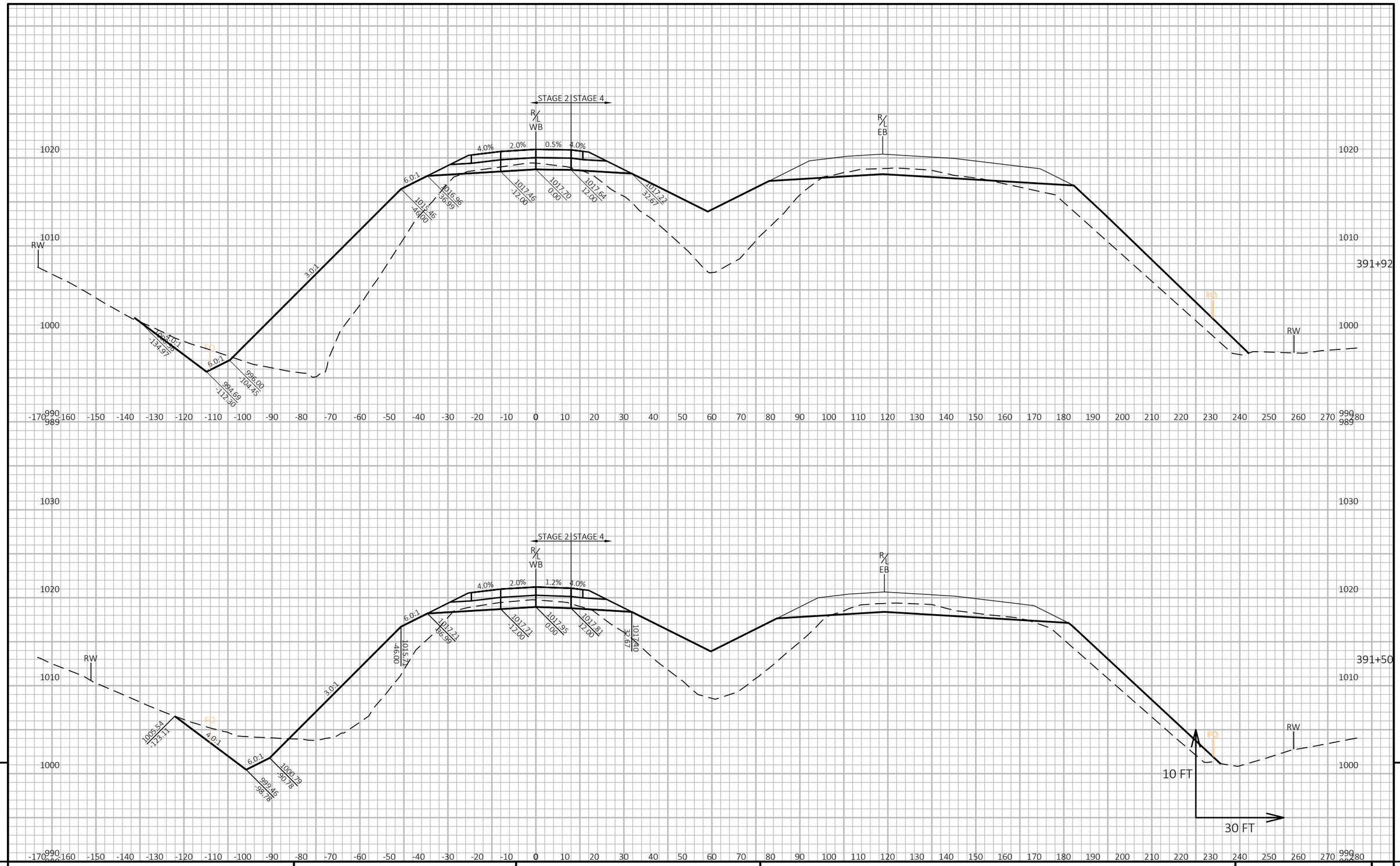
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT 100TH STREET	SHEET 481	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090301-XS-WB.DWG
LAYOUT NAME - 090304-XS

PLOT DATE : 5/8/2024 1:52 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

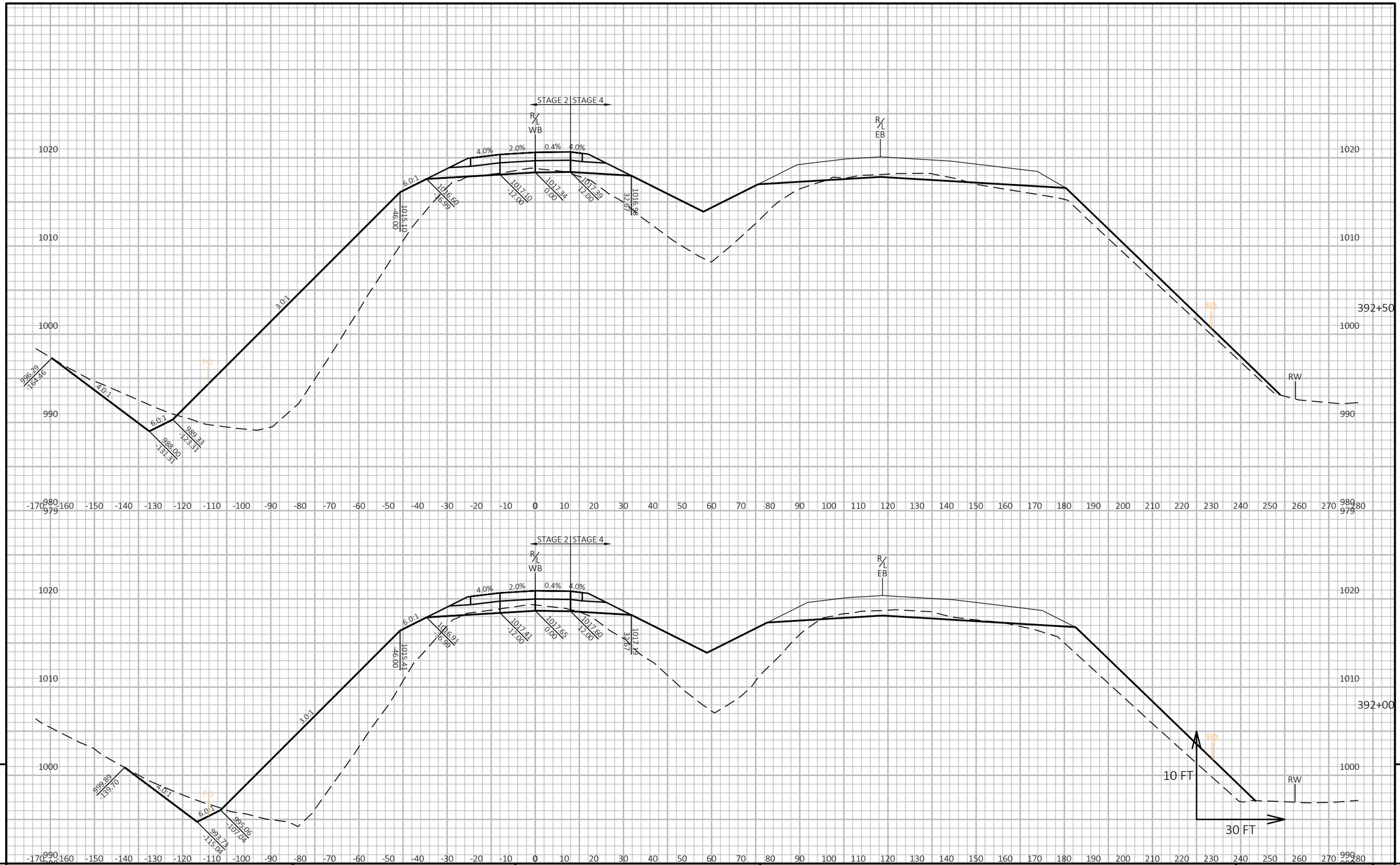


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT 100TH STREET	SHEET 482 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090301-XS-WB.DWG
LAYOUT NAME - 090305-XS

PLOT DATE : 5/8/2024 1:52 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

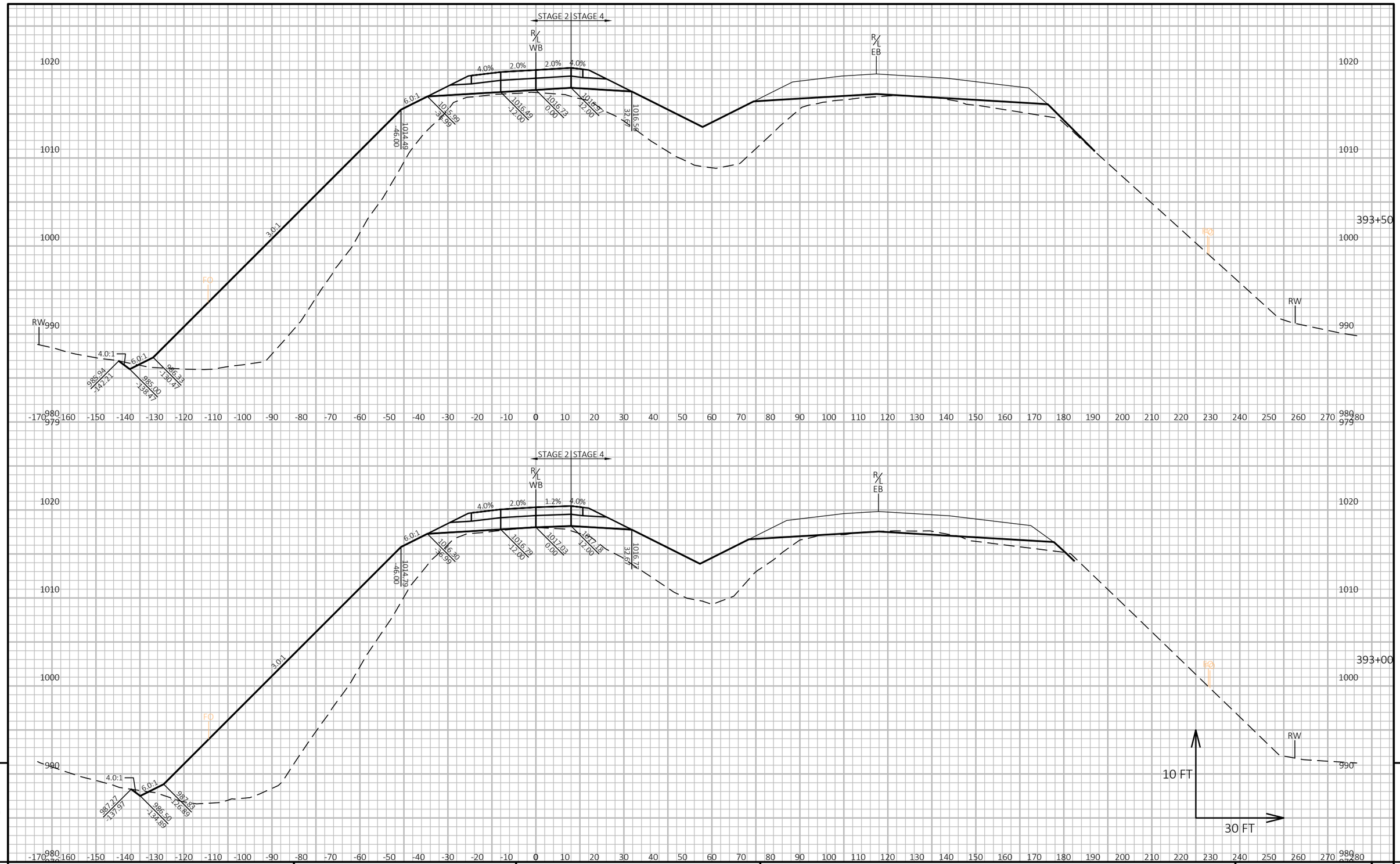


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT 100TH STREET	SHEET 483 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090301-XS-WB.DWG
LAYOUT NAME - 090306-XS

PLOT DATE : 5/8/2024 1:52 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

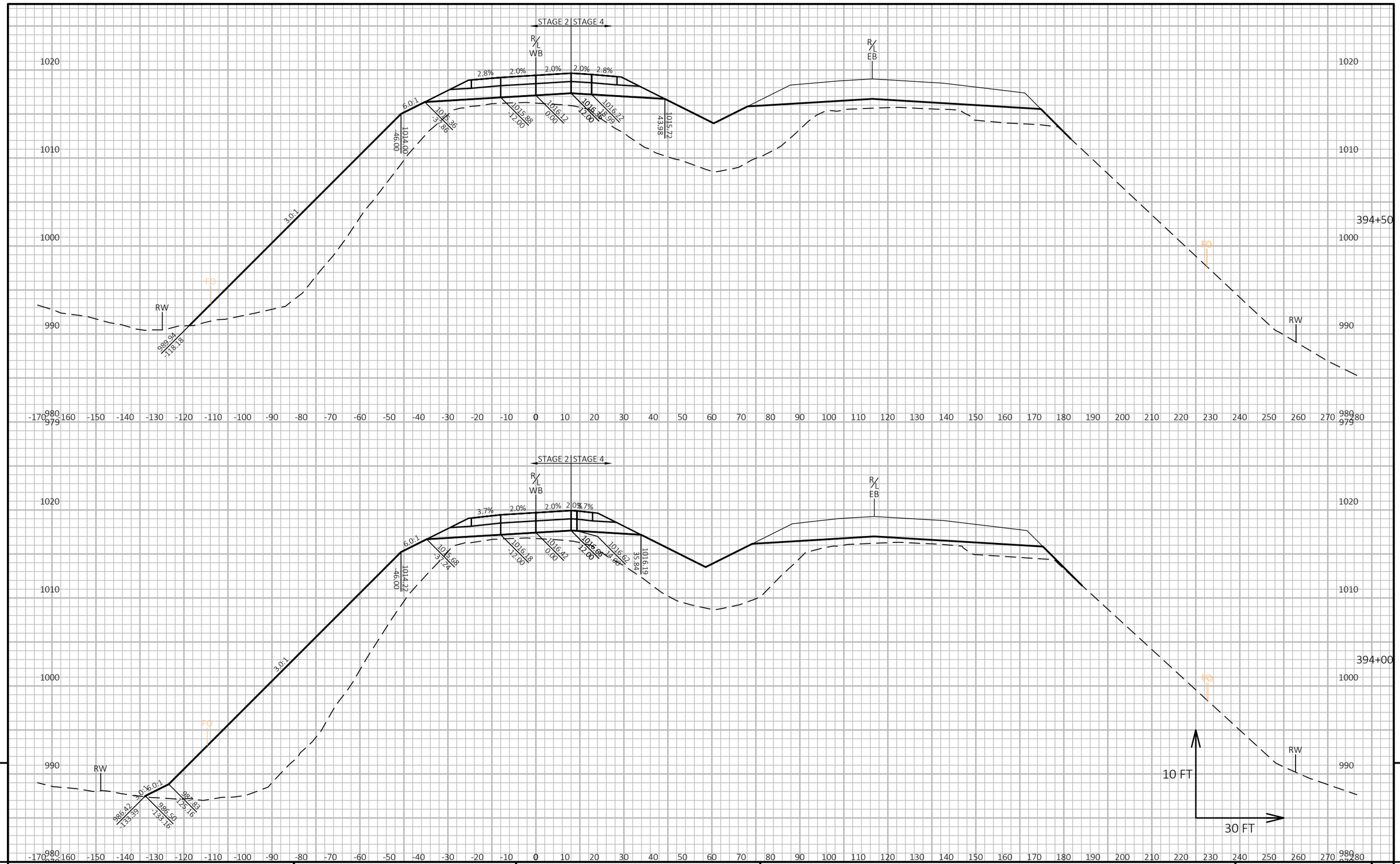


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT 100TH STREET	SHEET 484 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090301-XS-WB.DWG
LAYOUT NAME - 090307-XS

PLOT DATE : 5/8/2024 1:52 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT 100TH STREET	SHEET 485 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090301-XS-WB.DWG
LAYOUT NAME - 090308-XS

PLOT DATE : 5/8/2024 1:52 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

STAGE 2 | STAGE 4

R/L WB

R/L EB

2.0% 2.0% 2.0% 2.0% 2.0%

6.0:1

3.0:1

1015.00 -40.46

1015.57 -12.00

1015.81 0.00

1016.05 12.00

1015.81 23.99

1015.24 52.46

1014.08 -46.00

996.47 -98.85

-98.85 996.47

FD

FD

RW

10 FT

30 FT

395+00

1020 1010 1000 990 980

-170 -160 -150 -140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280

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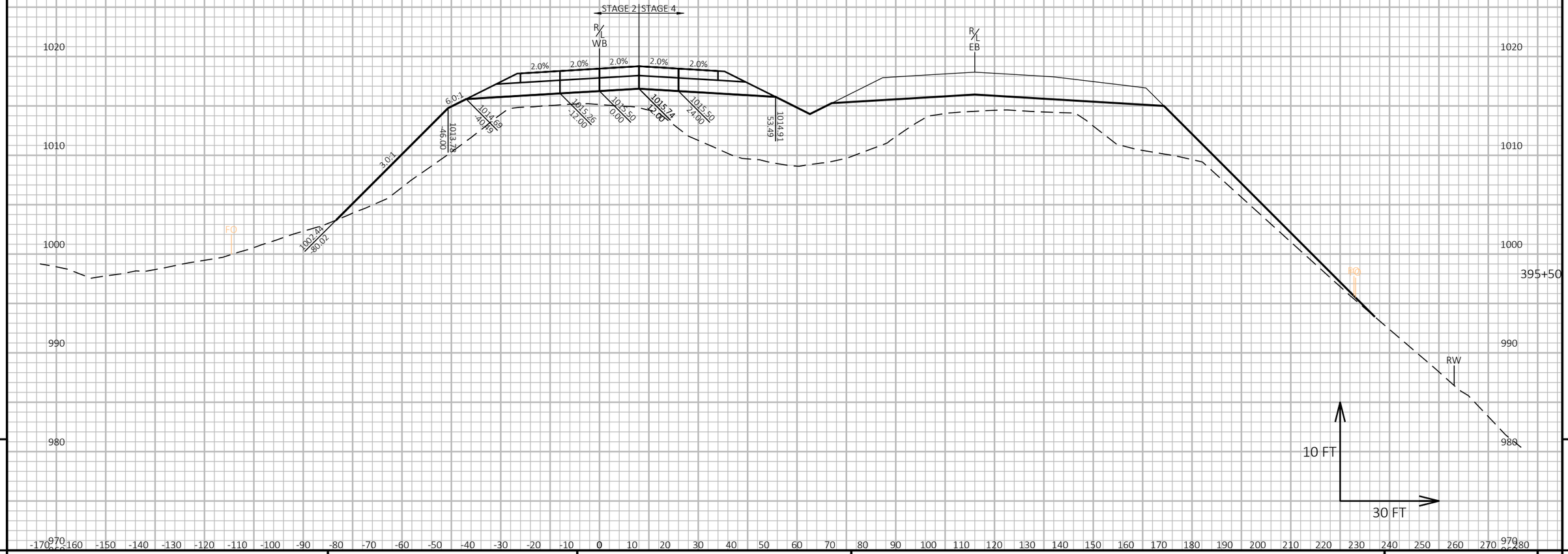
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT 100TH STREET	SHEET 486	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090301-XS-WB.DWG
LAYOUT NAME - 090309-XS

PLOT DATE : 5/8/2024 1:52 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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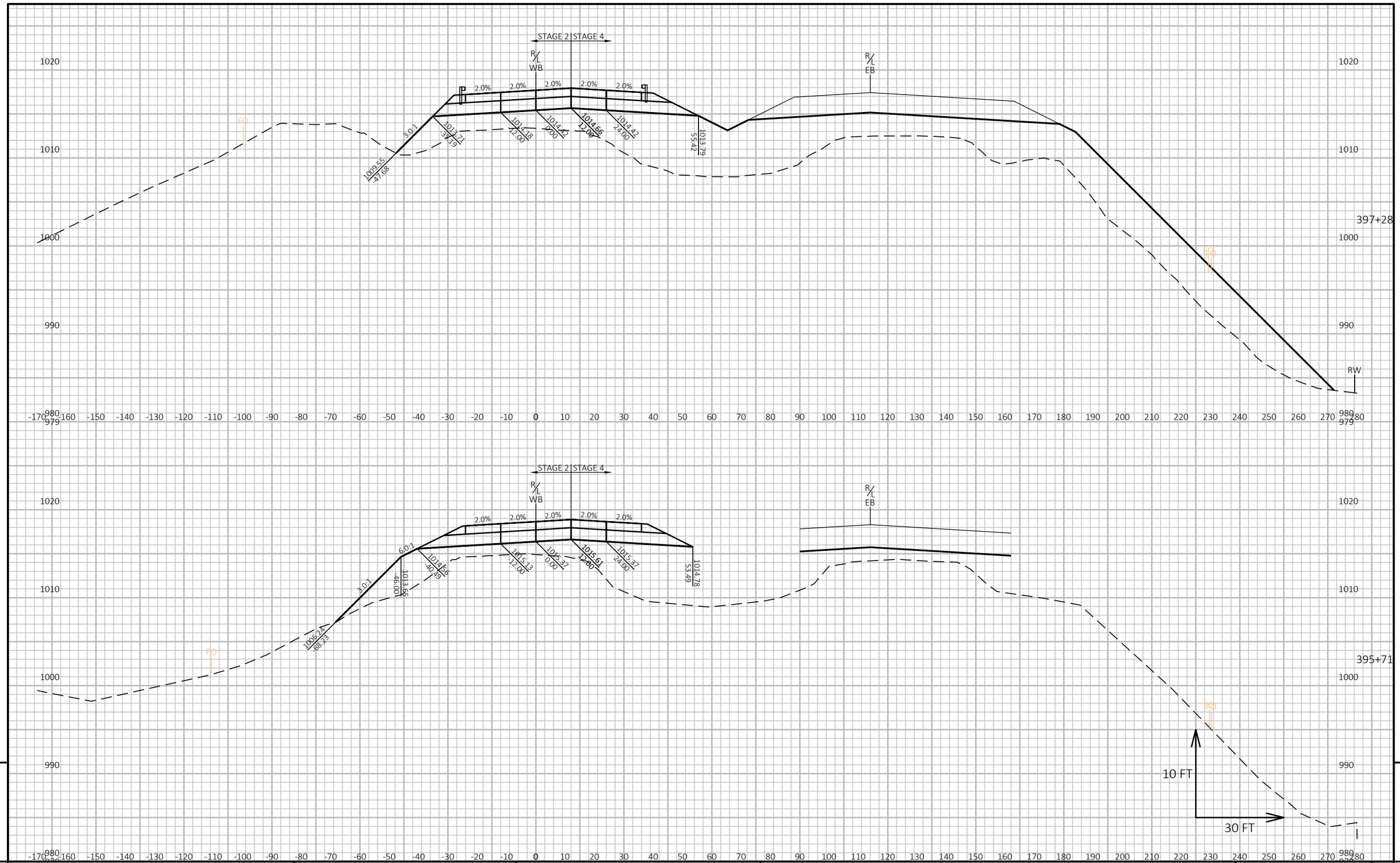
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT 100TH STREET	SHEET 487	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090301-XS-WB.DWG
LAYOUT NAME - 090310-XS

PLOT DATE : 5/8/2024 1:52 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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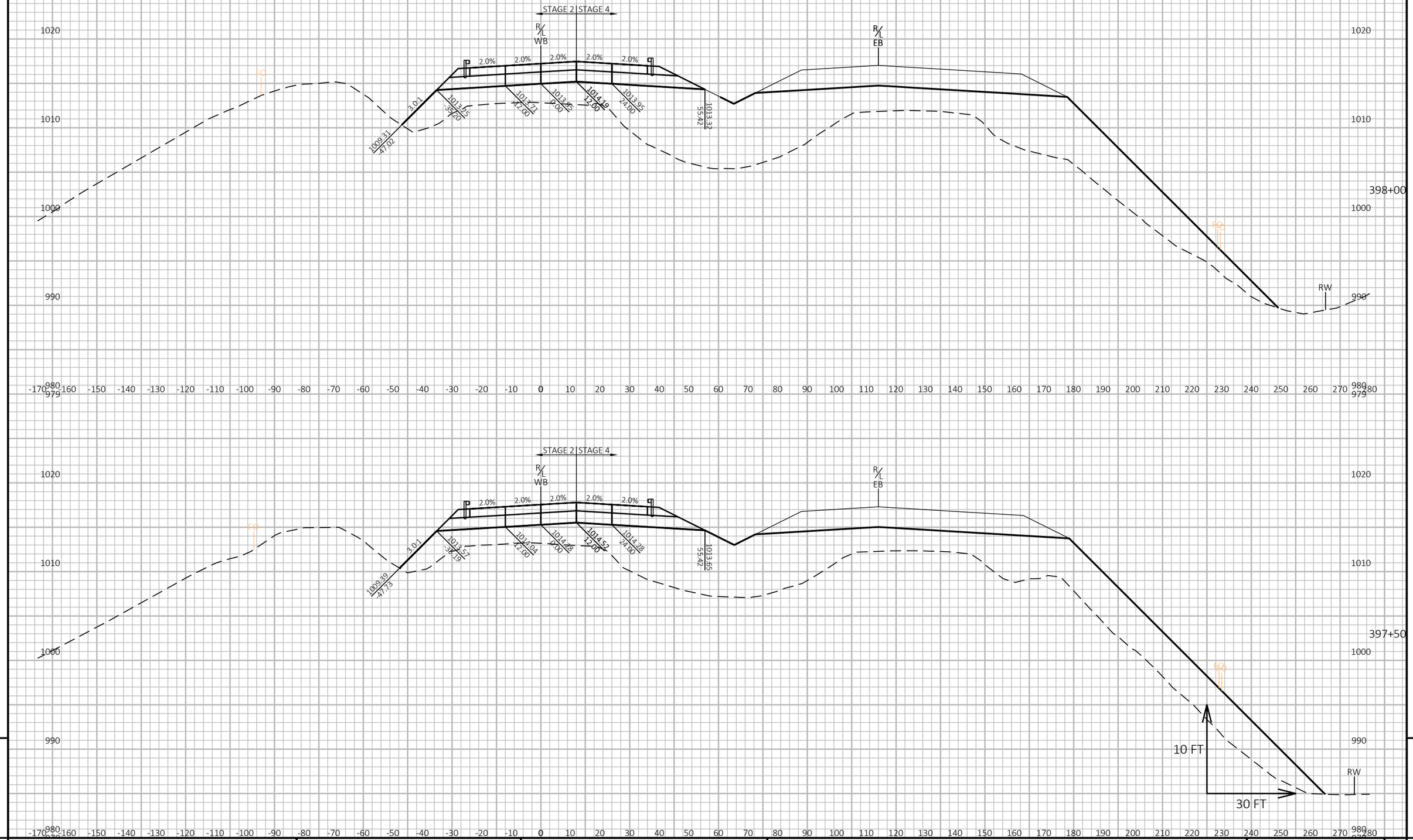
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT 100TH STREET	SHEET 488	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090301-XS-WB.DWG
LAYOUT NAME - 090311-XS

PLOT DATE : 5/8/2024 1:52 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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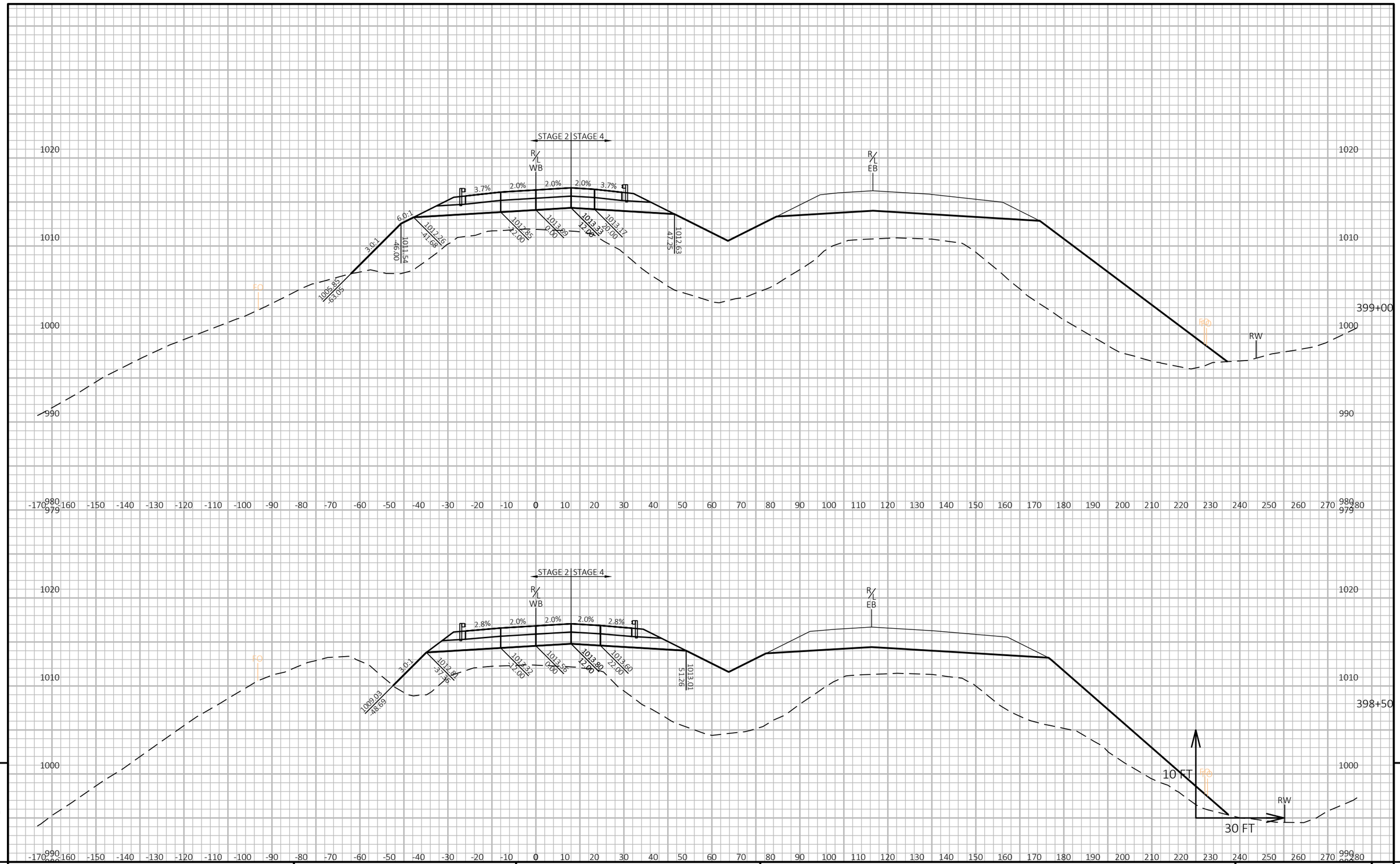
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT 100TH STREET	SHEET 489	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090301-XS-WB.DWG
LAYOUT NAME - 090312-XS

PLOT DATE : 5/8/2024 1:52 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

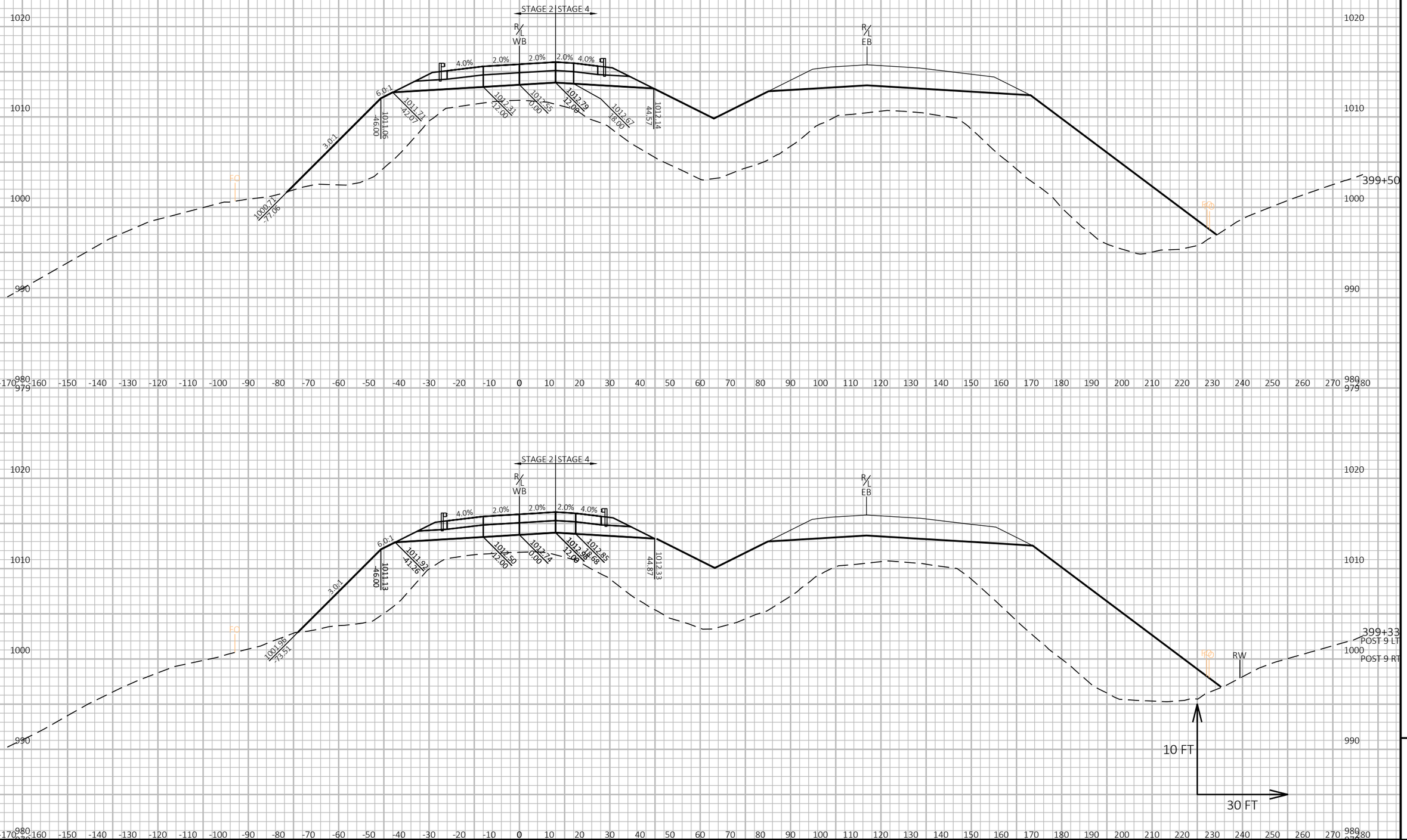


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT 100TH STREET	SHEET 490 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090301-XS-WB.DWG
LAYOUT NAME - 090313-XS

PLOT DATE : 5/8/2024 1:52 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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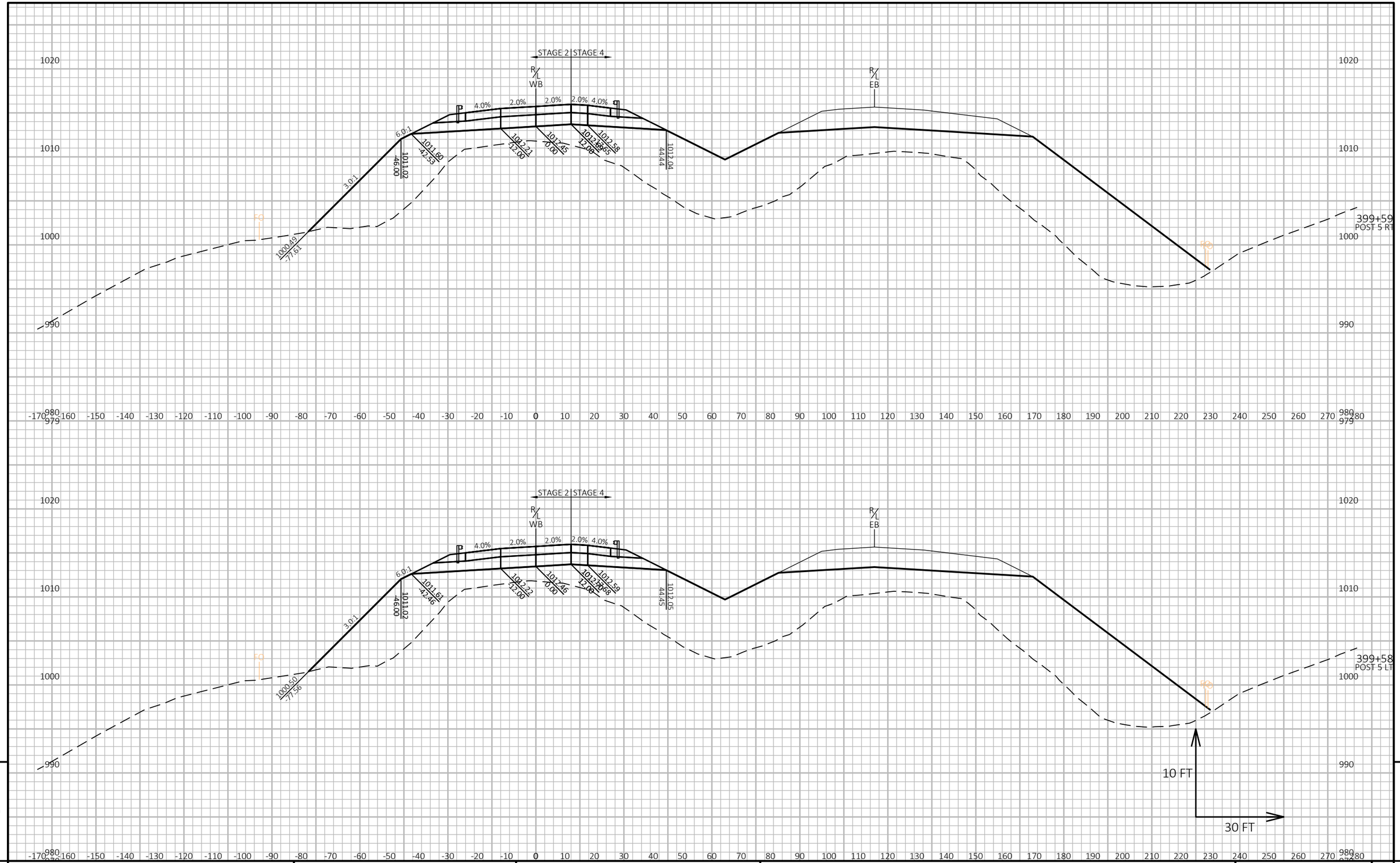
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT 100TH STREET	SHEET 491	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090301-XS-WB.DWG
LAYOUT NAME - 090314-XS

PLOT DATE : 5/8/2024 1:52 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.



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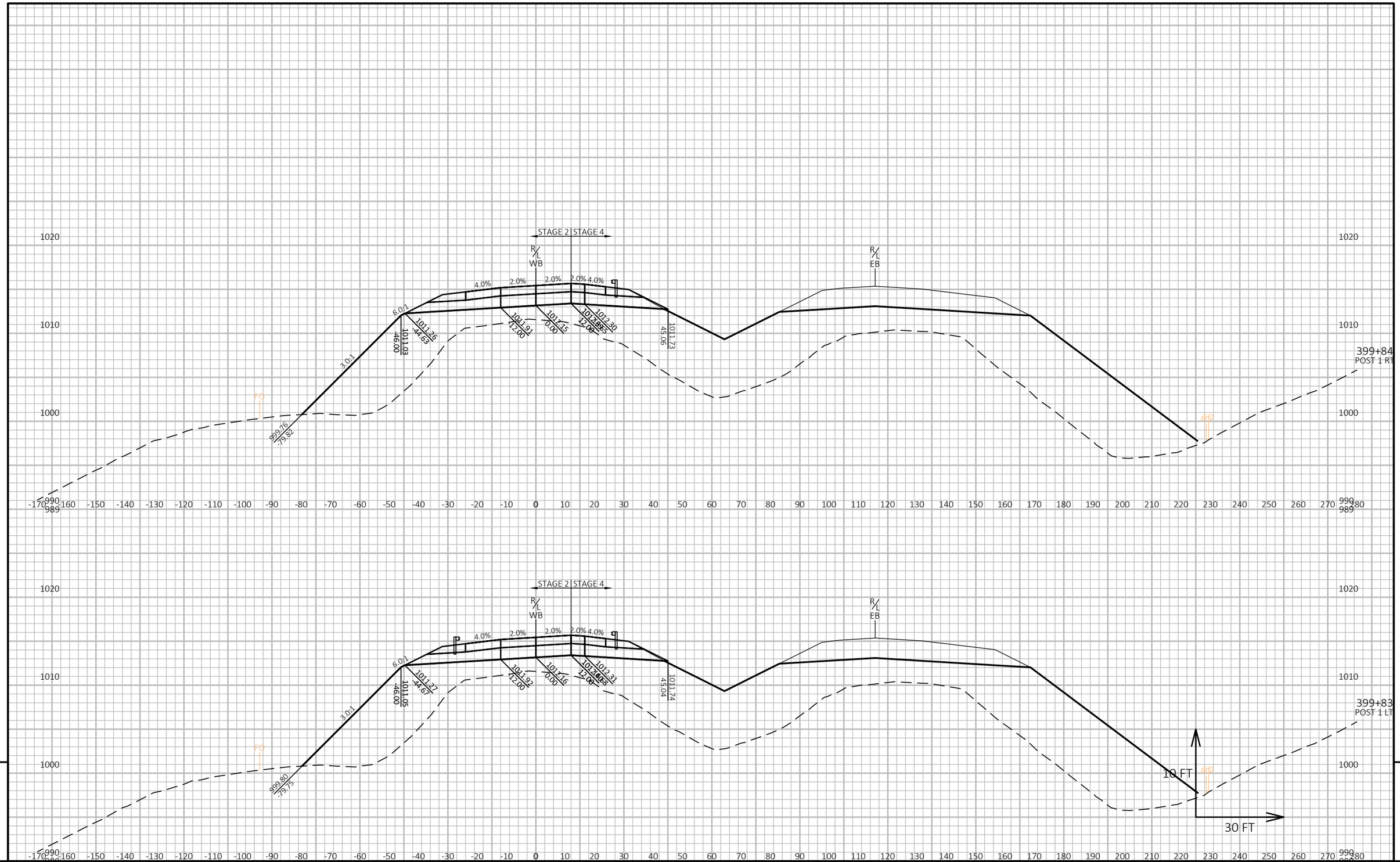
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT 100TH STREET	SHEET 492	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090301-XS-WB.DWG
LAYOUT NAME - 090315-XS

PLOT DATE : 5/8/2024 1:52 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.



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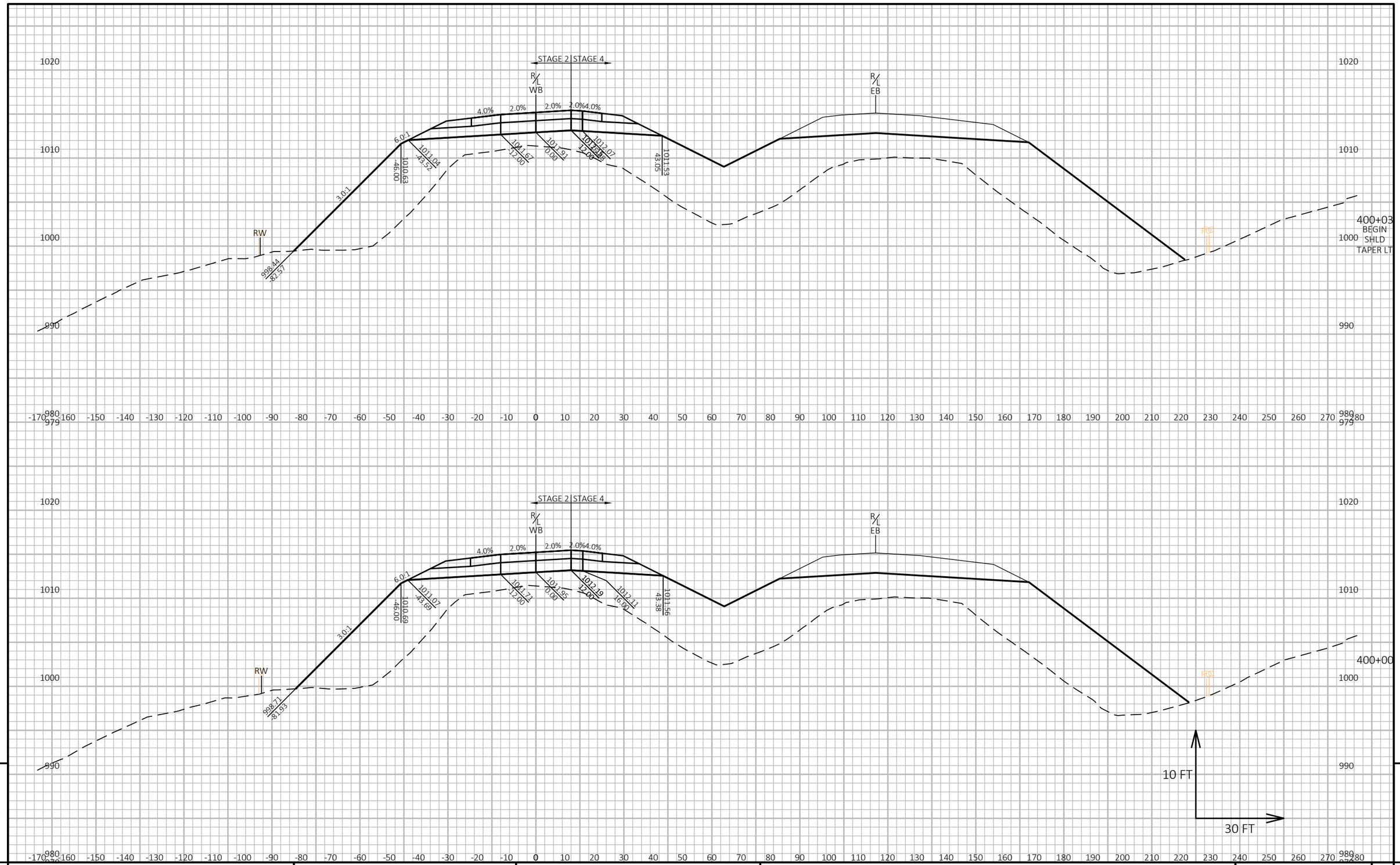
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT 100TH STREET	SHEET 493	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090301-XS-WB.DWG
LAYOUT NAME - 090316-XS

PLOT DATE : 5/8/2024 1:53 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

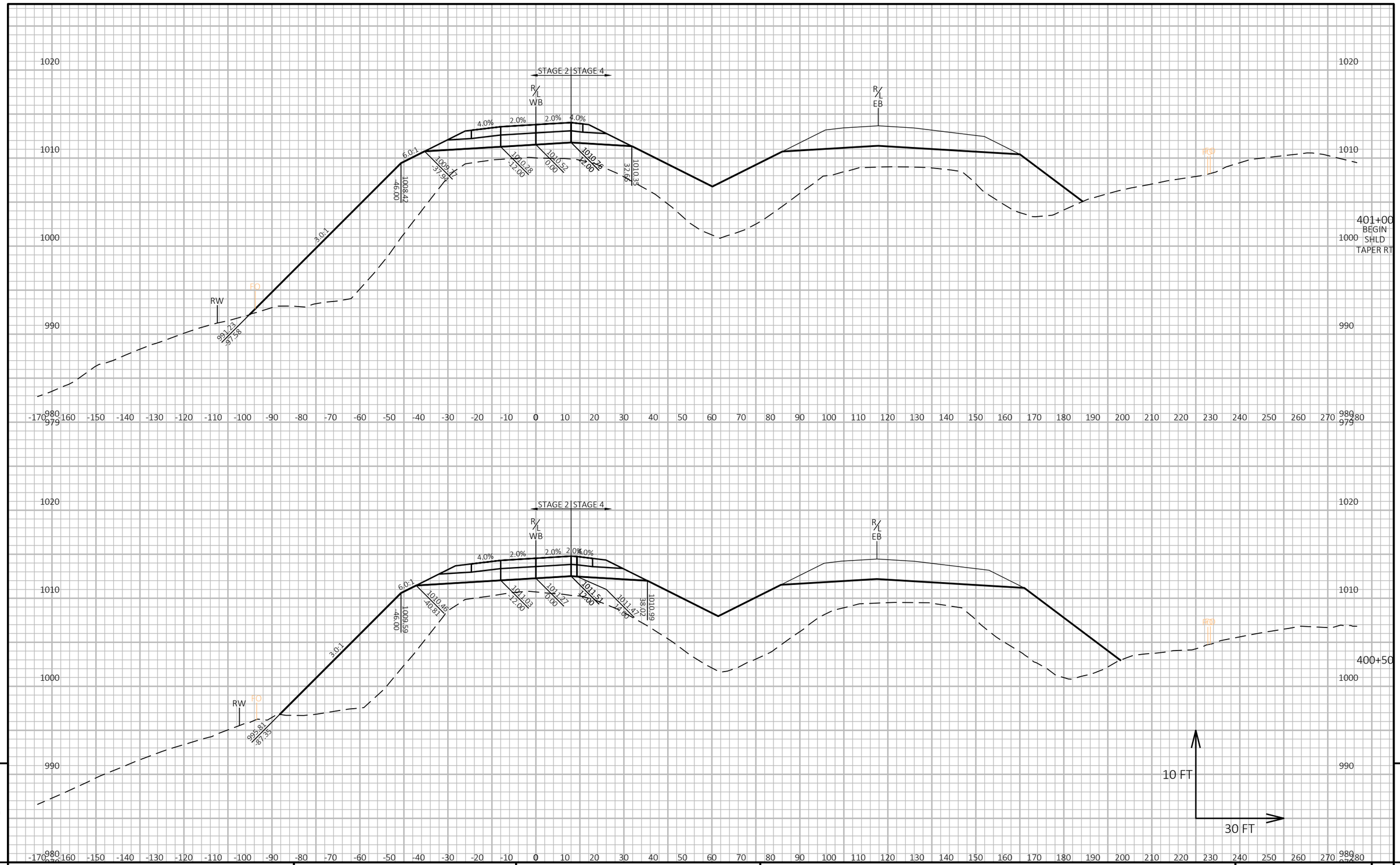


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT 100TH STREET	SHEET 494 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090301-XS-WB.DWG
LAYOUT NAME - 090317-XS

PLOT DATE : 5/8/2024 1:53 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

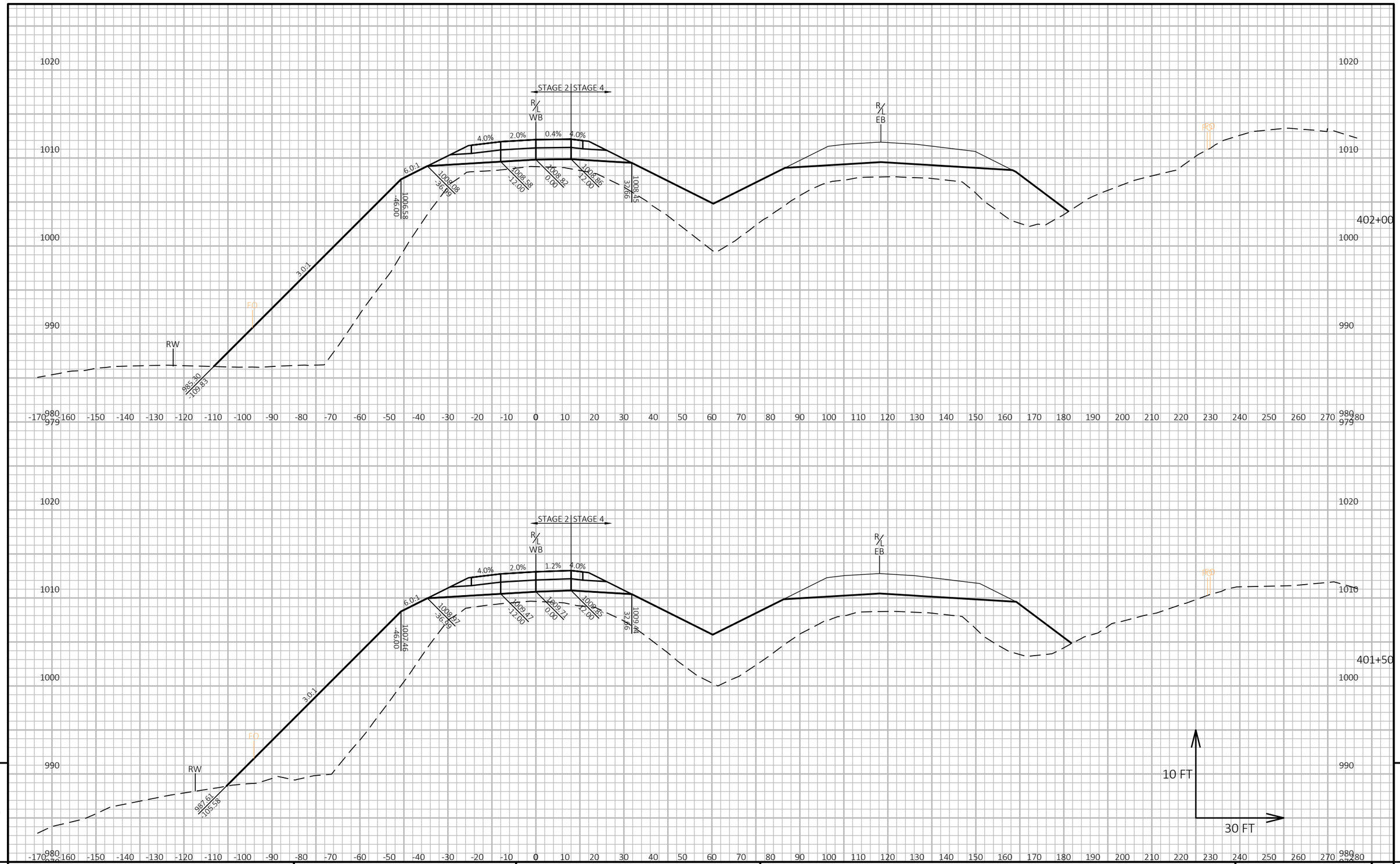


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT 100TH STREET	SHEET 495	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090301-XS-WB.DWG
LAYOUT NAME - 090318-XS

PLOT DATE : 5/8/2024 1:53 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

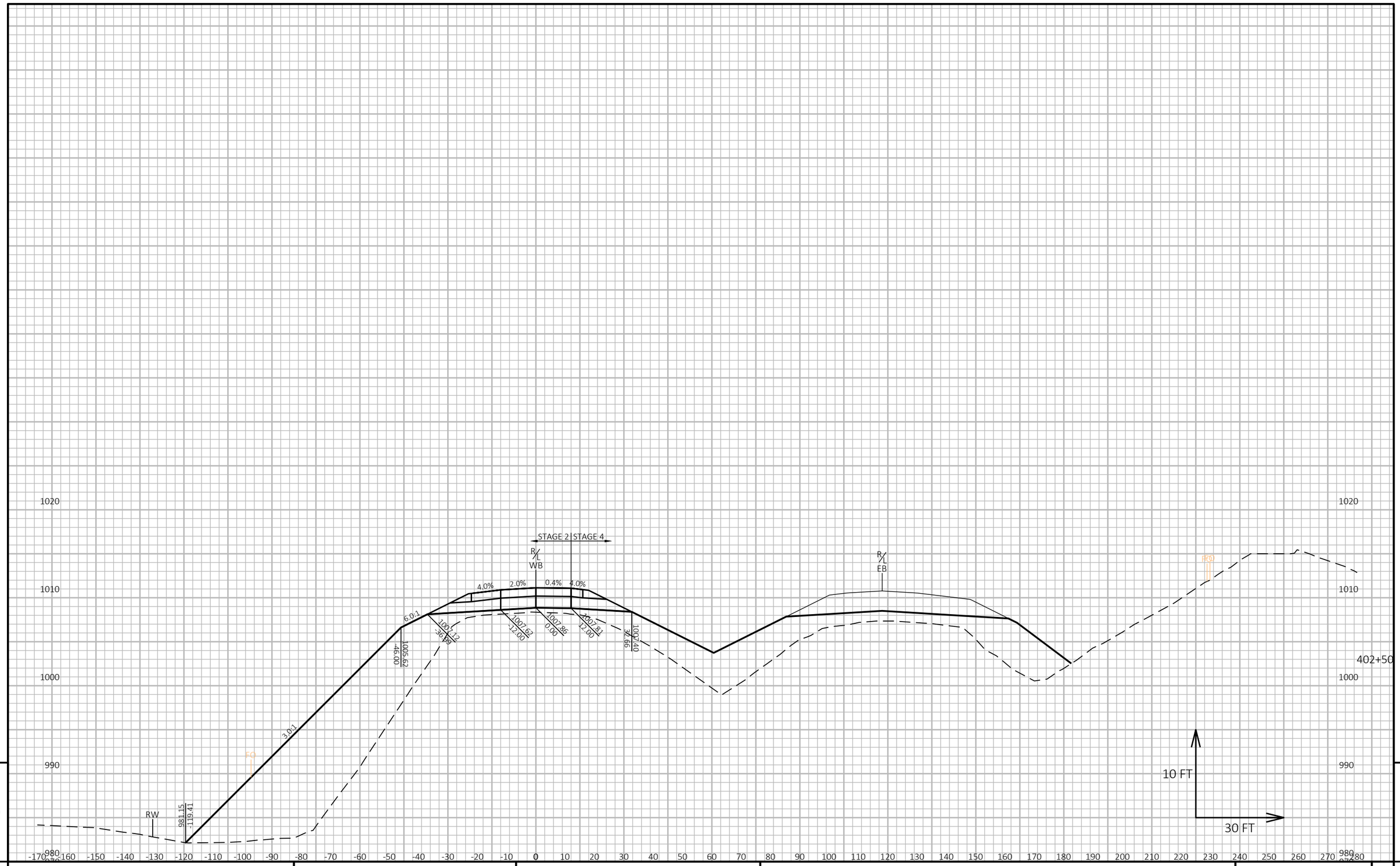


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT 100TH STREET	SHEET 496 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090301-XS-WB.DWG
LAYOUT NAME - 090319-XS

PLOT DATE : 5/8/2024 1:53 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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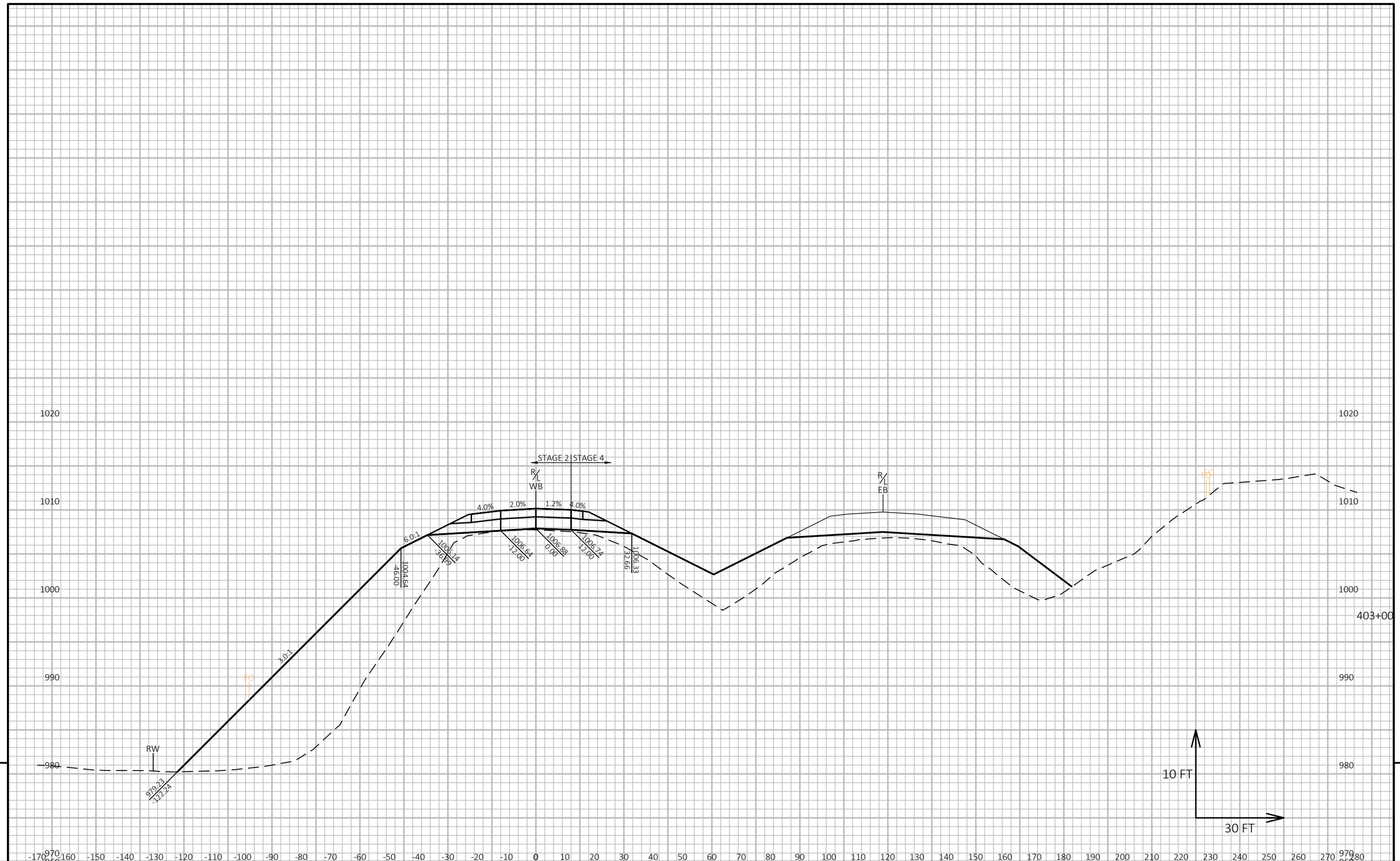
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT 100TH STREET	SHEET 497	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090301-XS-WB.DWG
LAYOUT NAME - 090320-XS

PLOT DATE : 5/8/2024 1:53 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

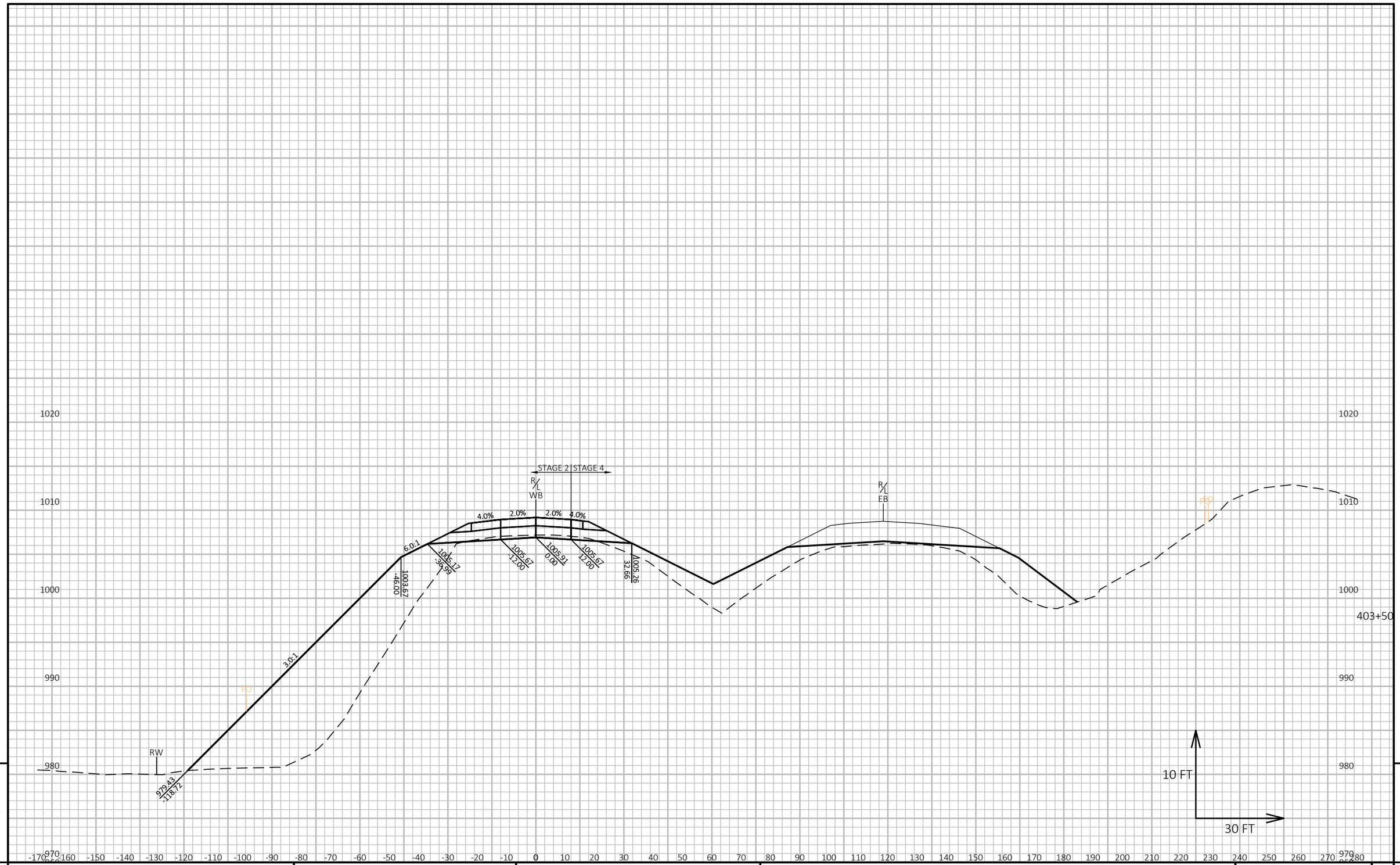


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT 100TH STREET	SHEET 498 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090301-XS-WB.DWG
LAYOUT NAME - 090321-XS

PLOT DATE : 5/8/2024 1:53 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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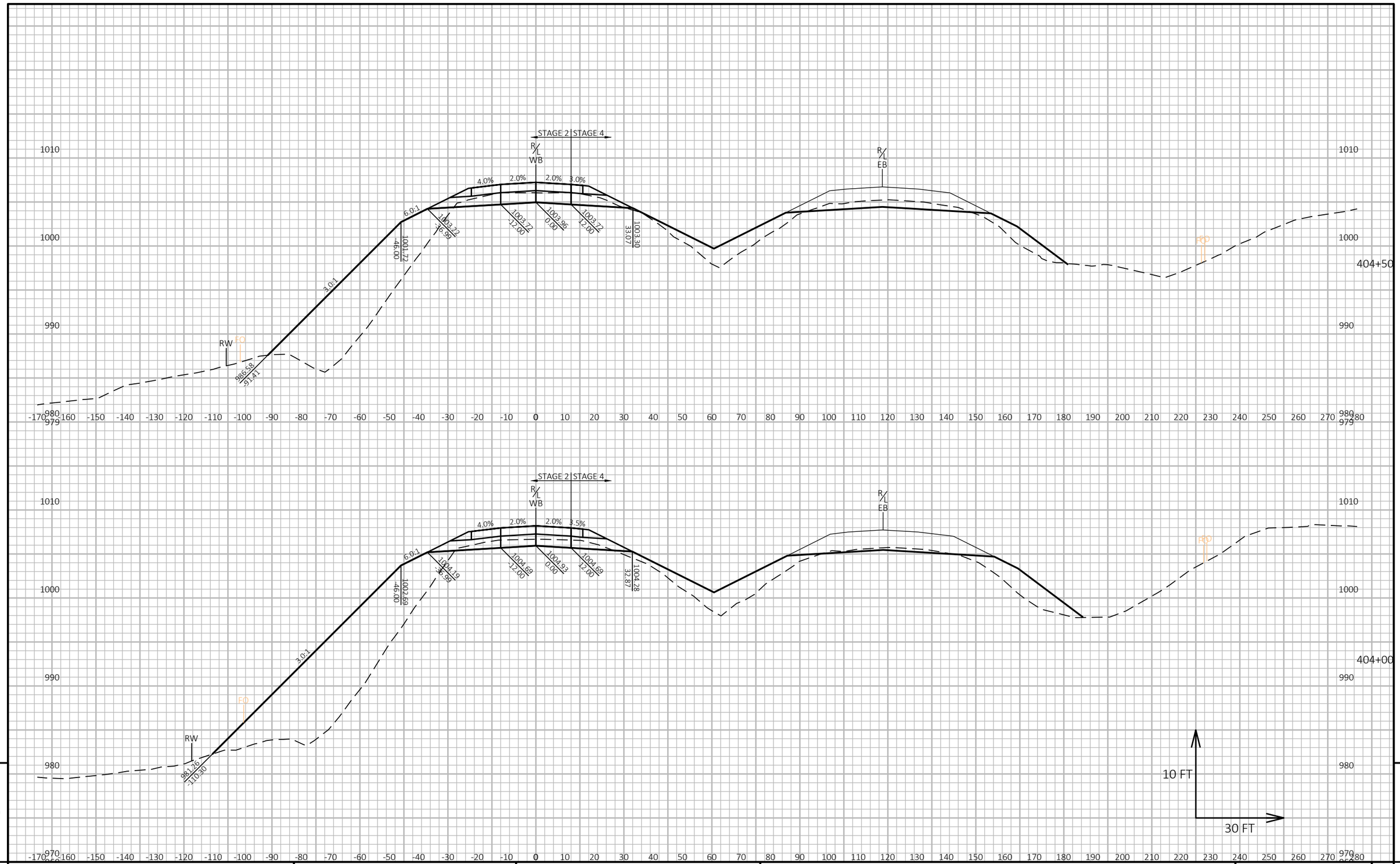
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT 100TH STREET	SHEET 499	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090301-XS-WB.DWG
LAYOUT NAME - 090322-XS

PLOT DATE : 5/8/2024 1:53 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

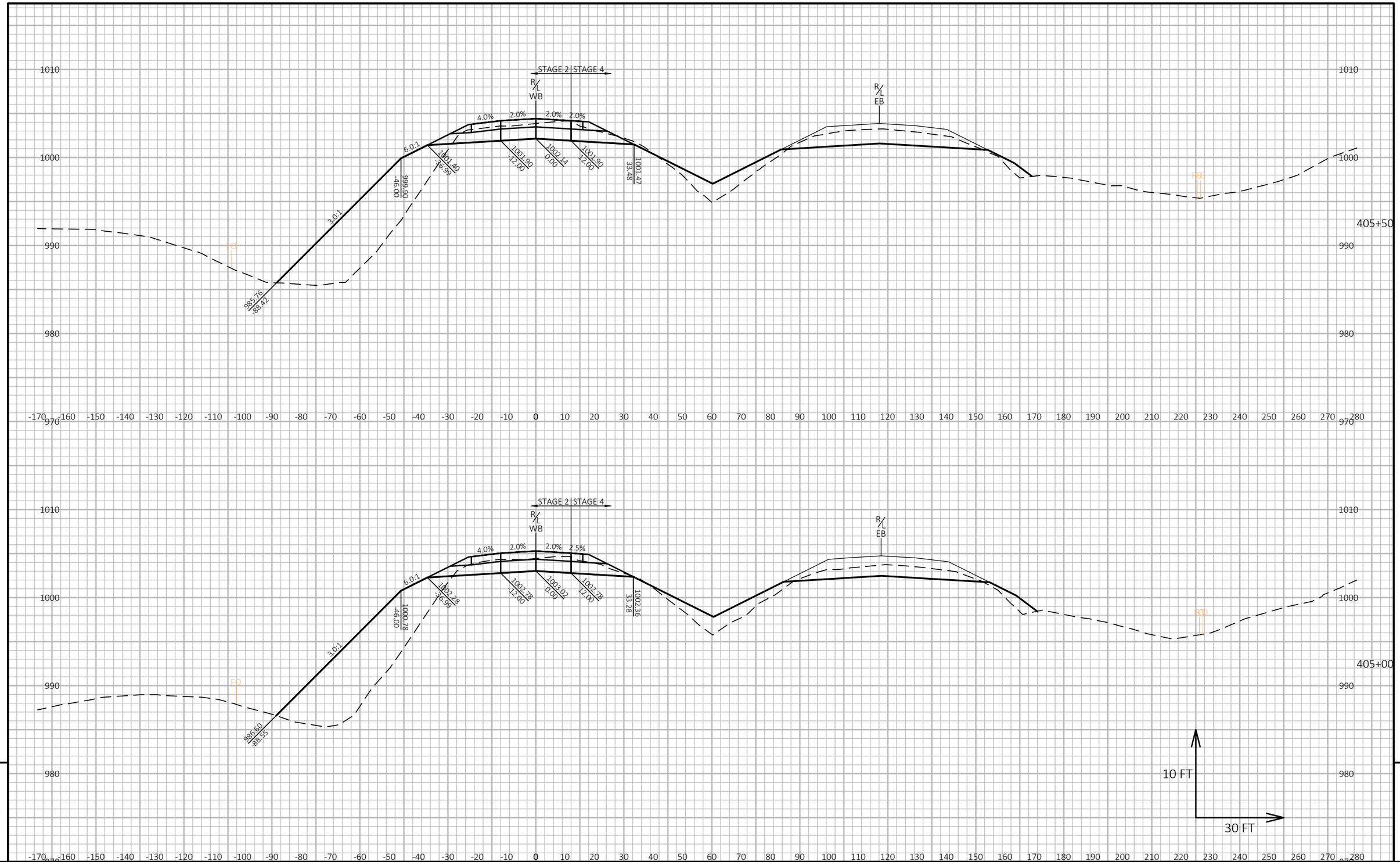


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT 100TH STREET	SHEET 500 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090301-XS-WB.DWG
LAYOUT NAME - 090323-XS

PLOT DATE : 5/8/2024 1:53 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

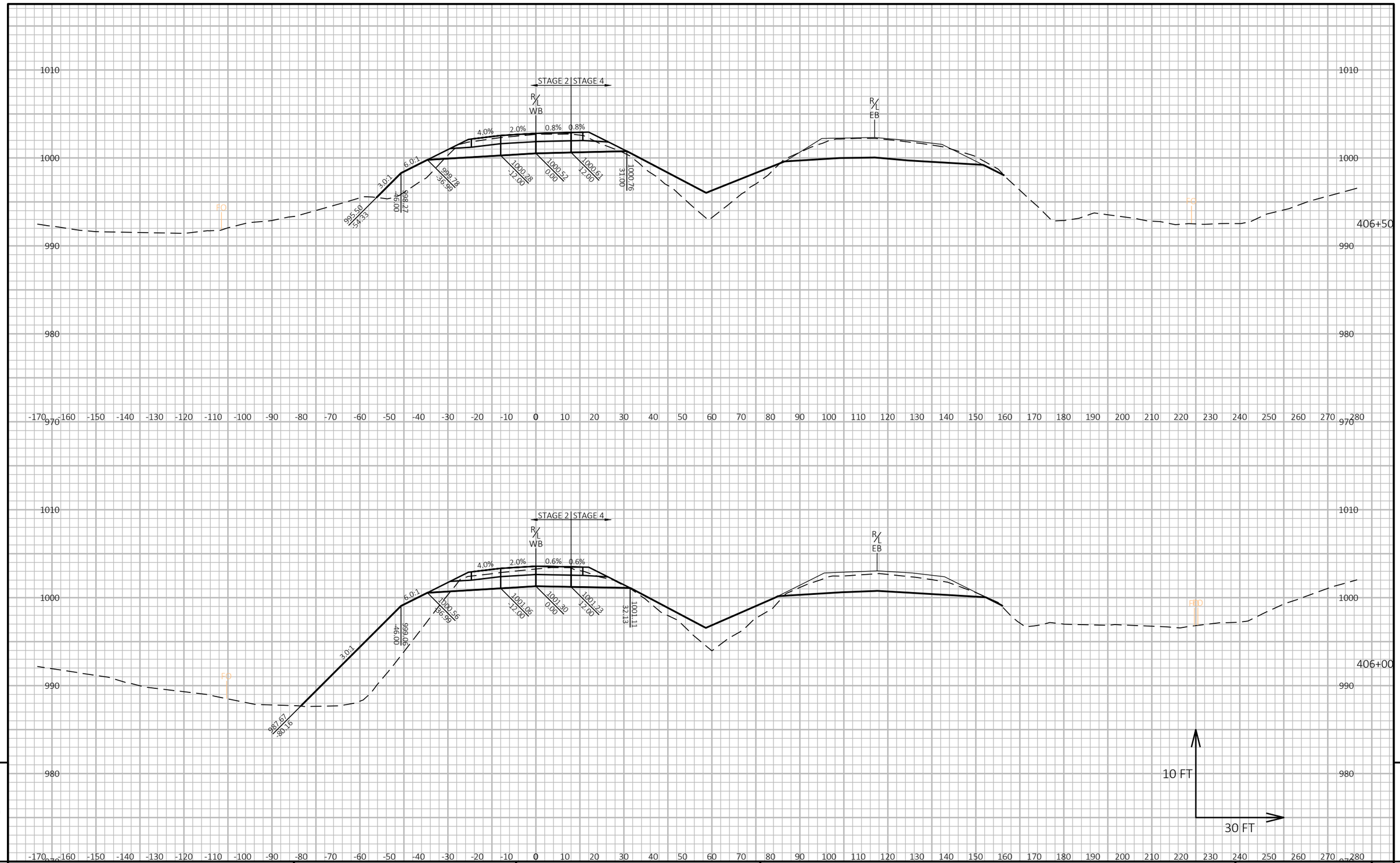


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT 100TH STREET	SHEET 501 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090301-XS-WB.DWG
LAYOUT NAME - 090324-XS

PLOT DATE : 5/8/2024 1:53 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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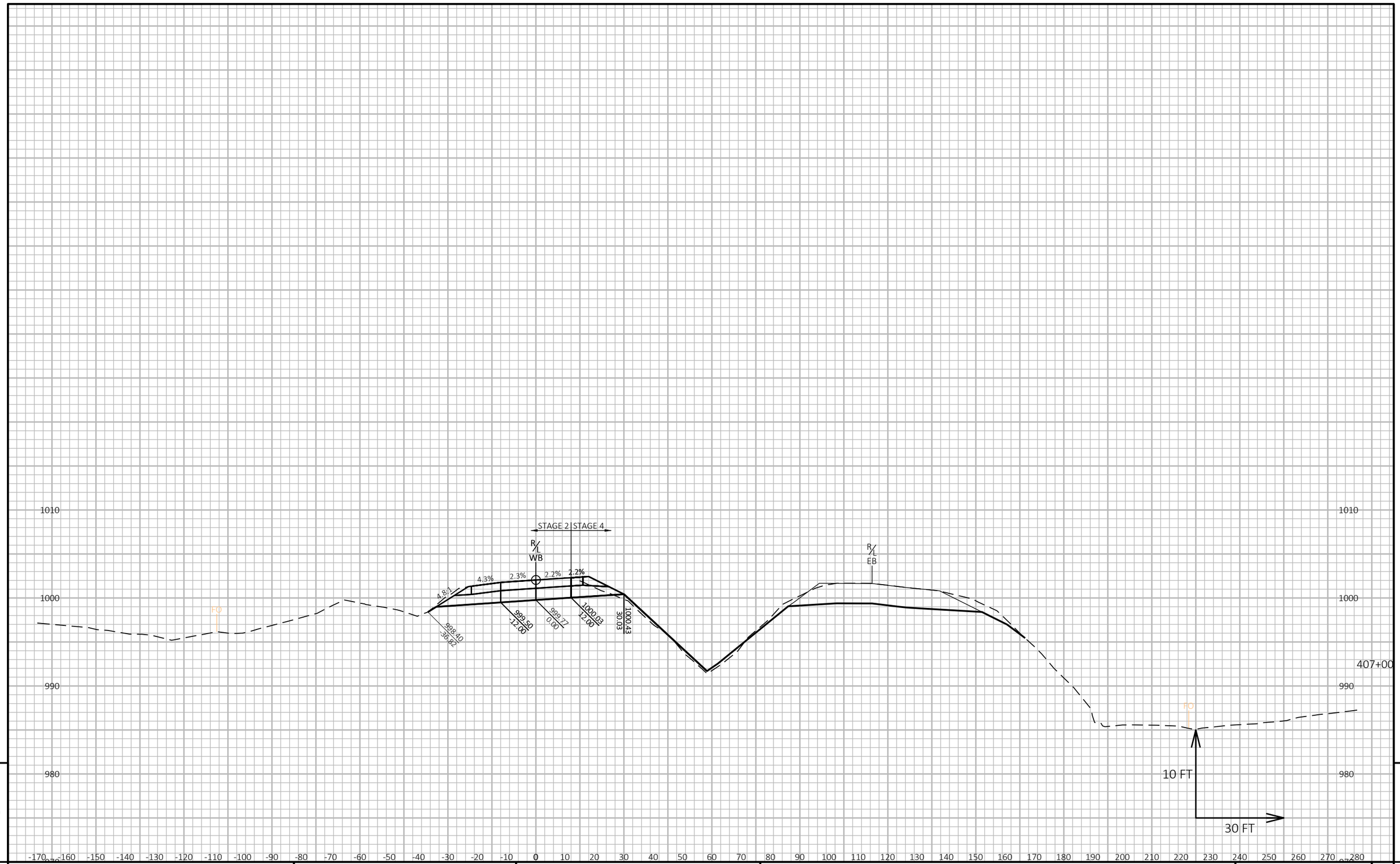
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT 100TH STREET	SHEET 502	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090301-XS-WB.DWG
LAYOUT NAME - 090325-XS

PLOT DATE : 5/8/2024 1:53 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.



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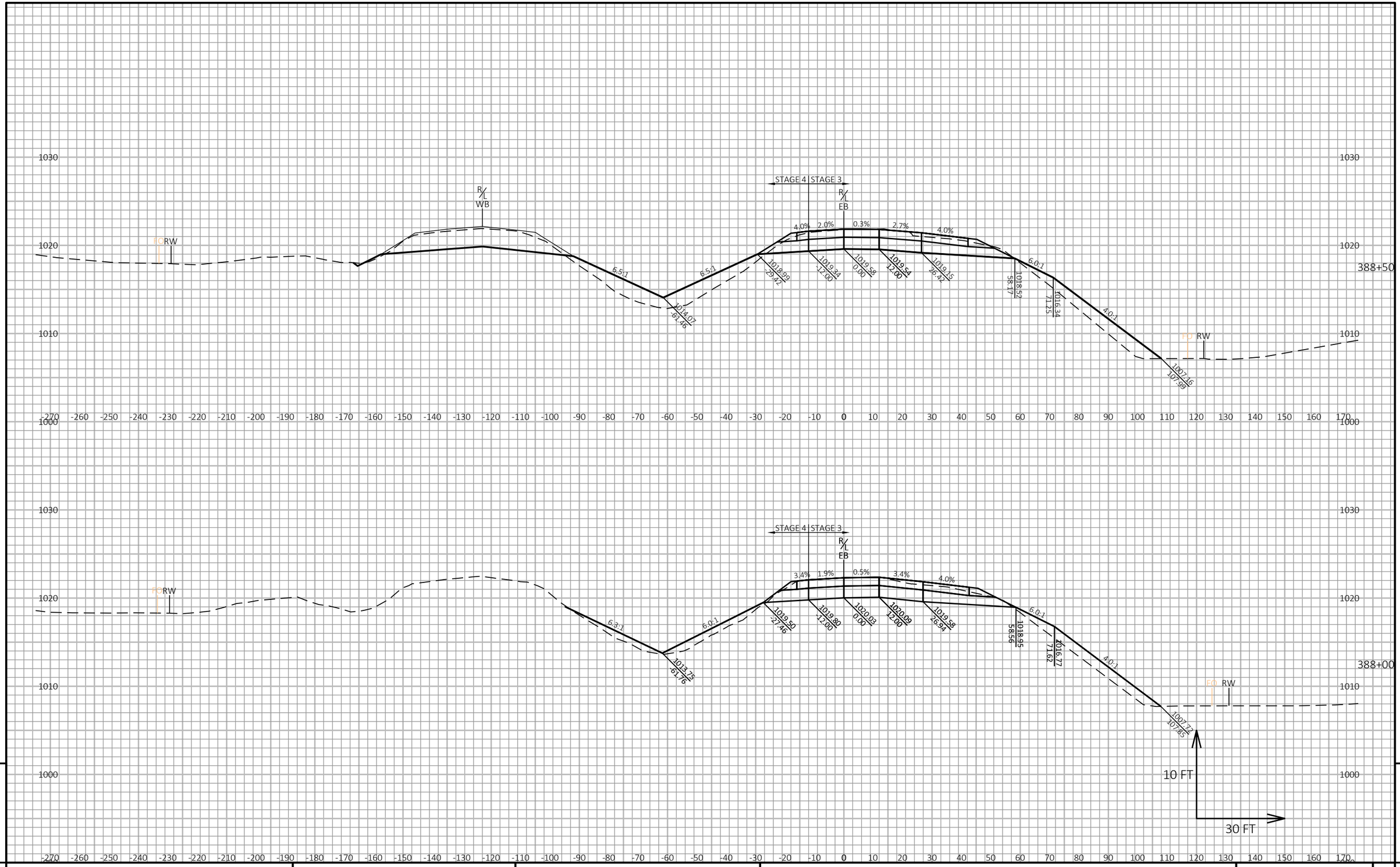
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 WB AT 100TH STREET	SHEET 503	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090301-XS-WB.DWG
LAYOUT NAME - 090326-XS

PLOT DATE : 5/8/2024 1:53 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.



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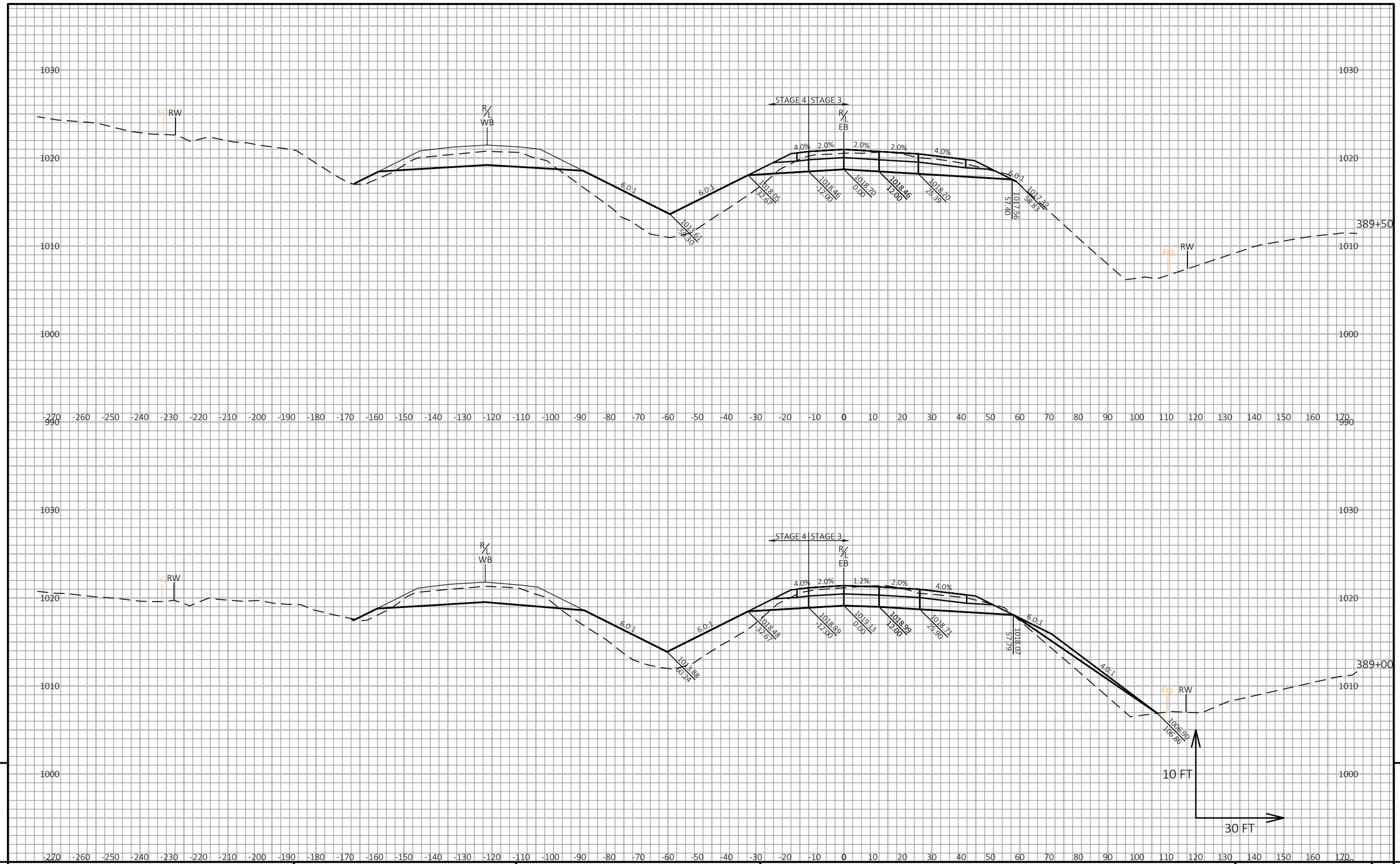
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT 100TH STREET	SHEET 504	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090350-XS-EB.DWG
LAYOUT NAME - 090351-XS

PLOT DATE : 3/25/2024 10:25 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.



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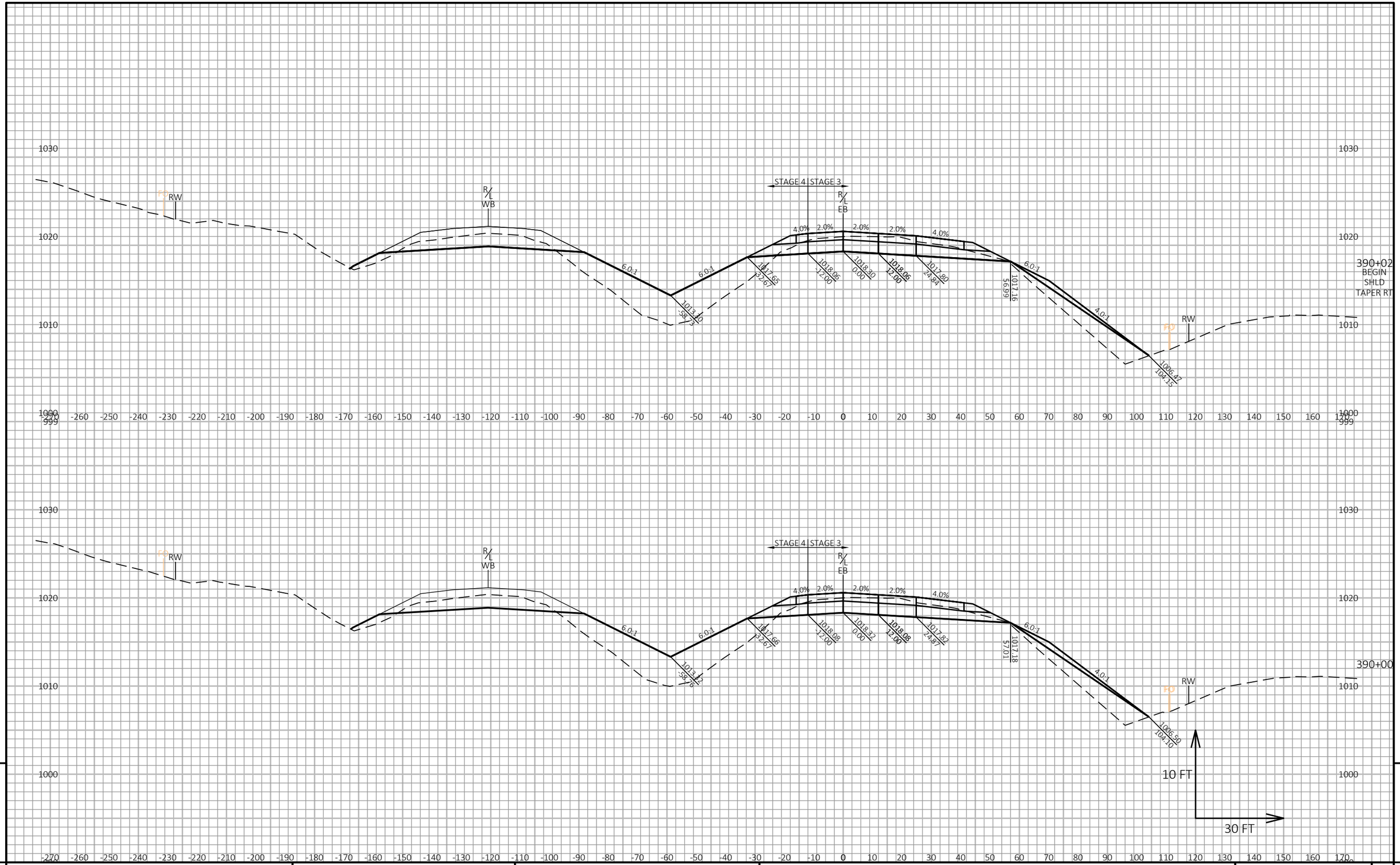
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT 100TH STREET	SHEET 505	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090350-XS-EB.DWG
LAYOUT NAME - 090352-XS

PLOT DATE : 5/8/2024 1:55 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

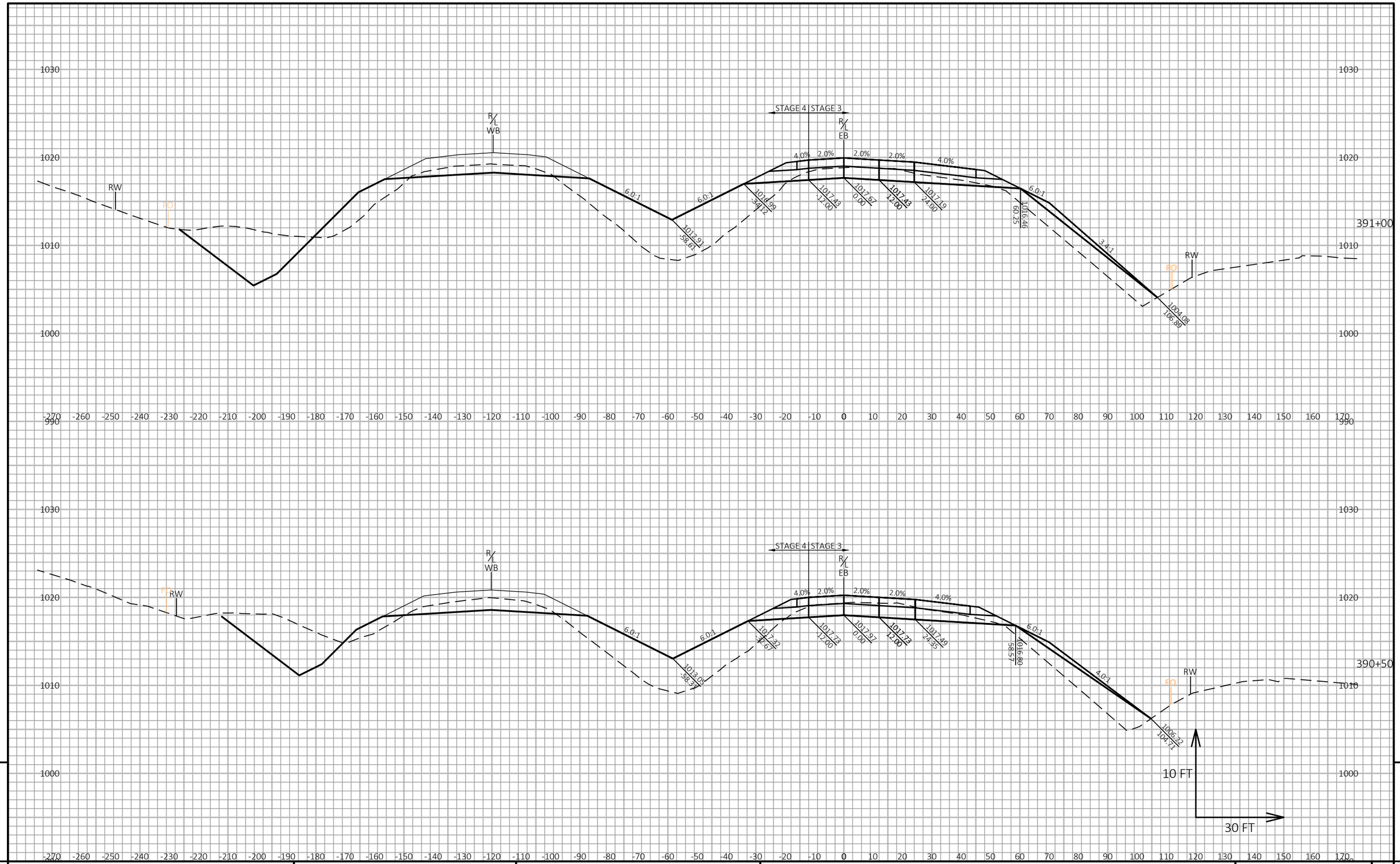


9 9

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT 100TH STREET	SHEET 506 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090350-XS-EB.DWG
LAYOUT NAME - 090353-XS

PLOT DATE : 5/8/2024 1:55 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

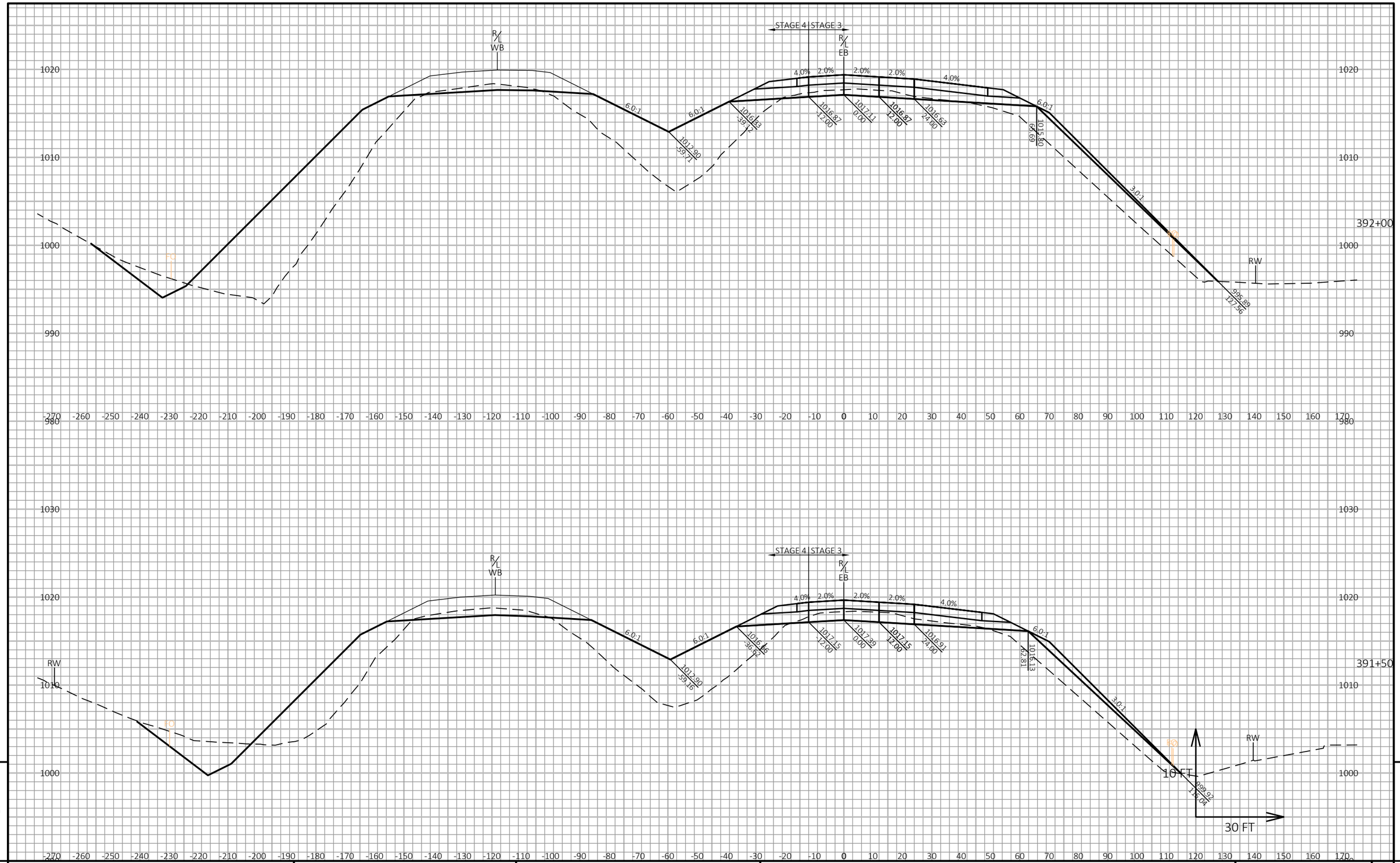


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT 100TH STREET	SHEET 507 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090350-XS-EB.DWG
LAYOUT NAME - 090354-XS

PLOT DATE : 5/8/2024 1:55 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

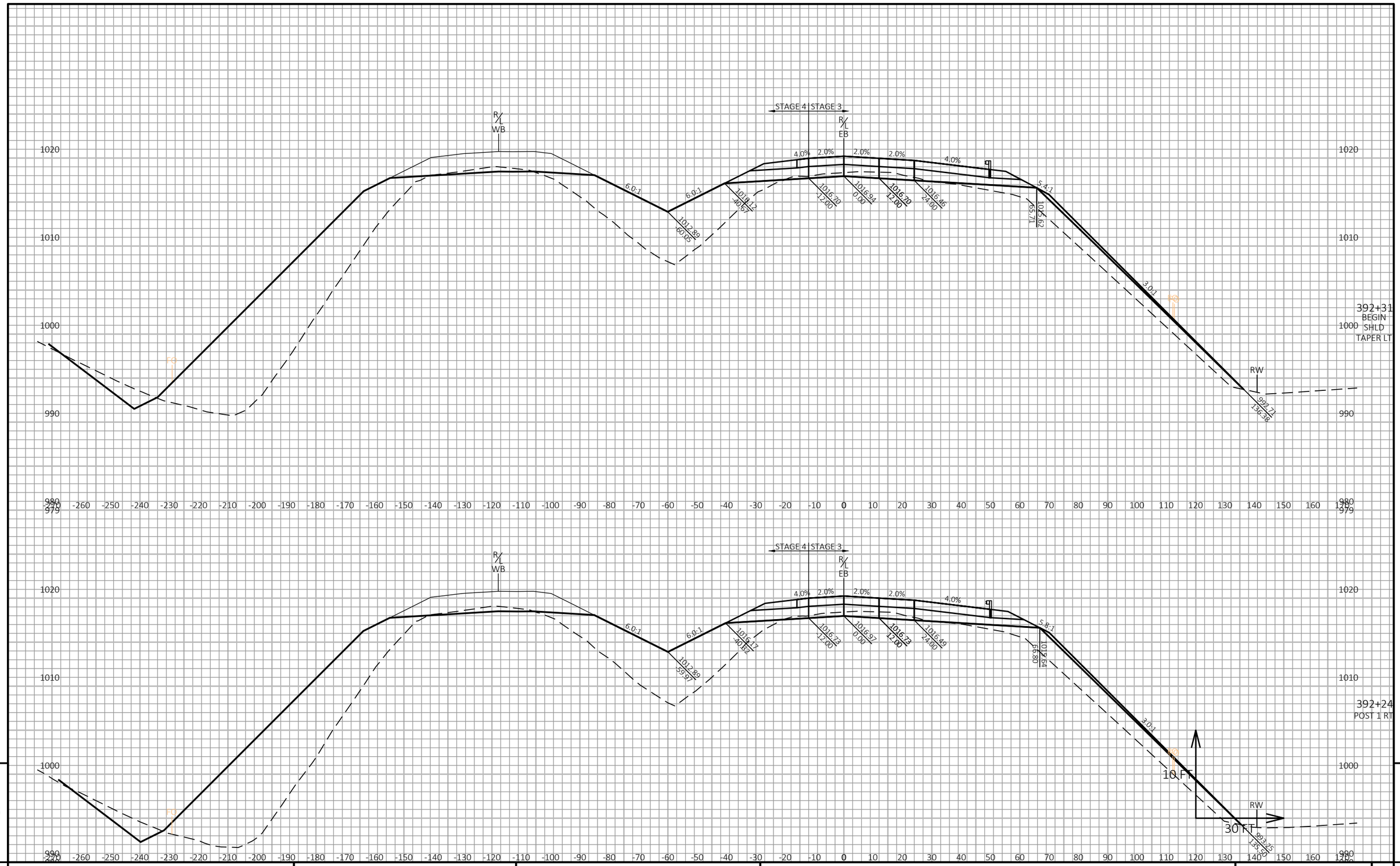


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT 100TH STREET	SHEET 508 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090350-XS-EB.DWG
LAYOUT NAME - 090355-XS

PLOT DATE : 5/8/2024 1:55 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

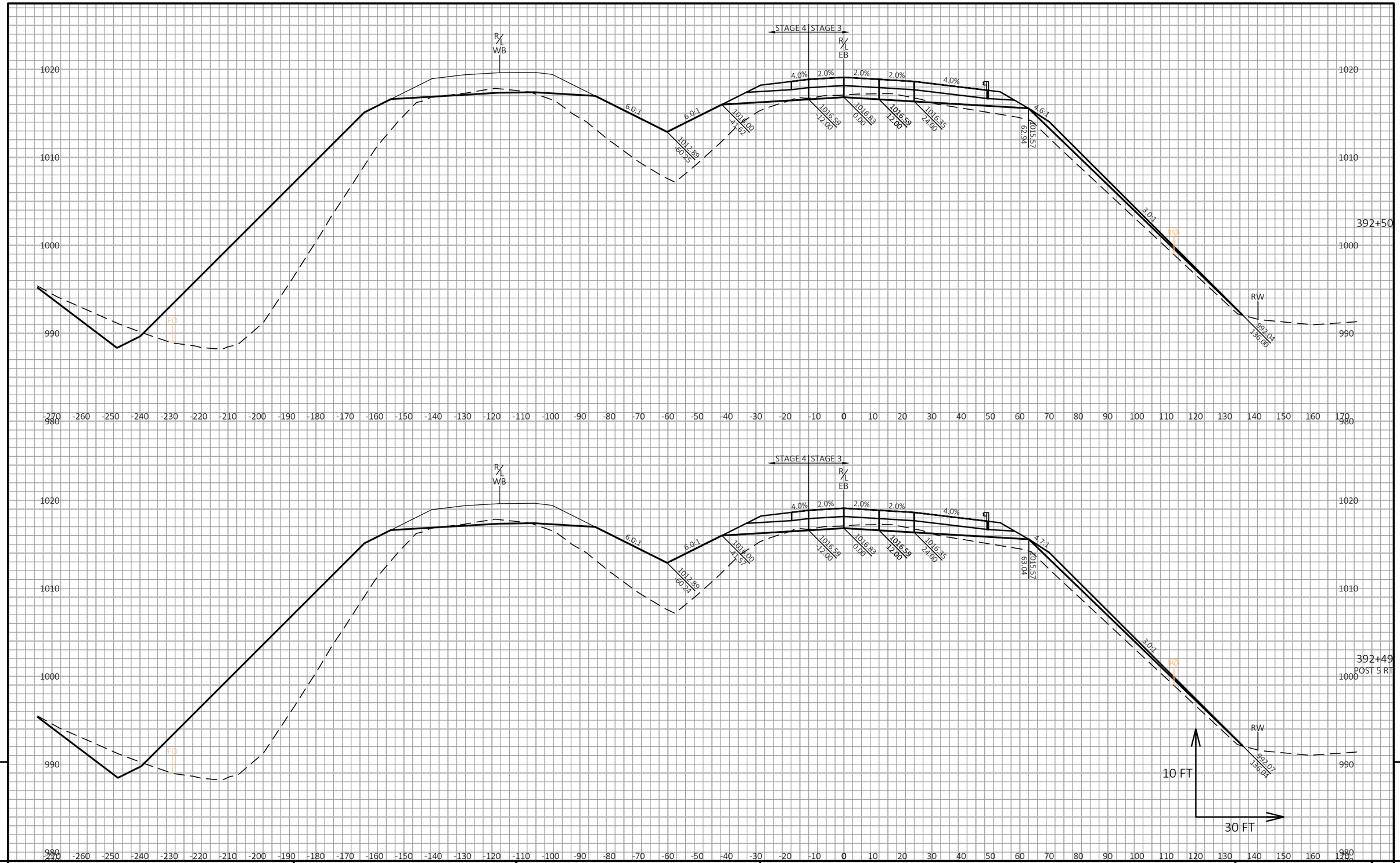


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT 100TH STREET	SHEET 509	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090350-XS-EB.DWG
LAYOUT NAME - 090356-XS

PLOT DATE : 5/8/2024 1:55 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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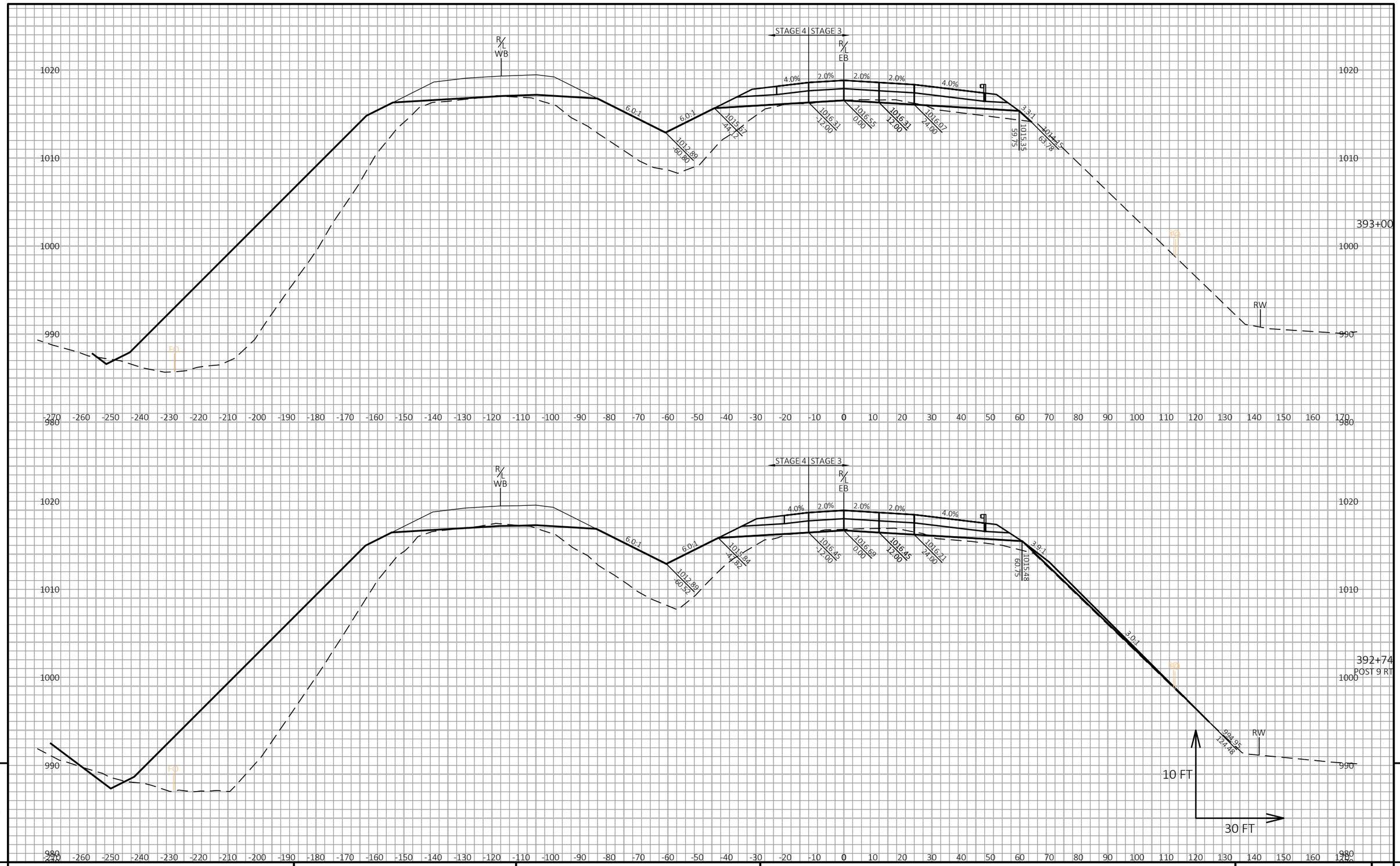
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT 100TH STREET	SHEET 510	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090350-XS-EB.DWG
LAYOUT NAME - 090357-XS

PLOT DATE : 5/8/2024 1:55 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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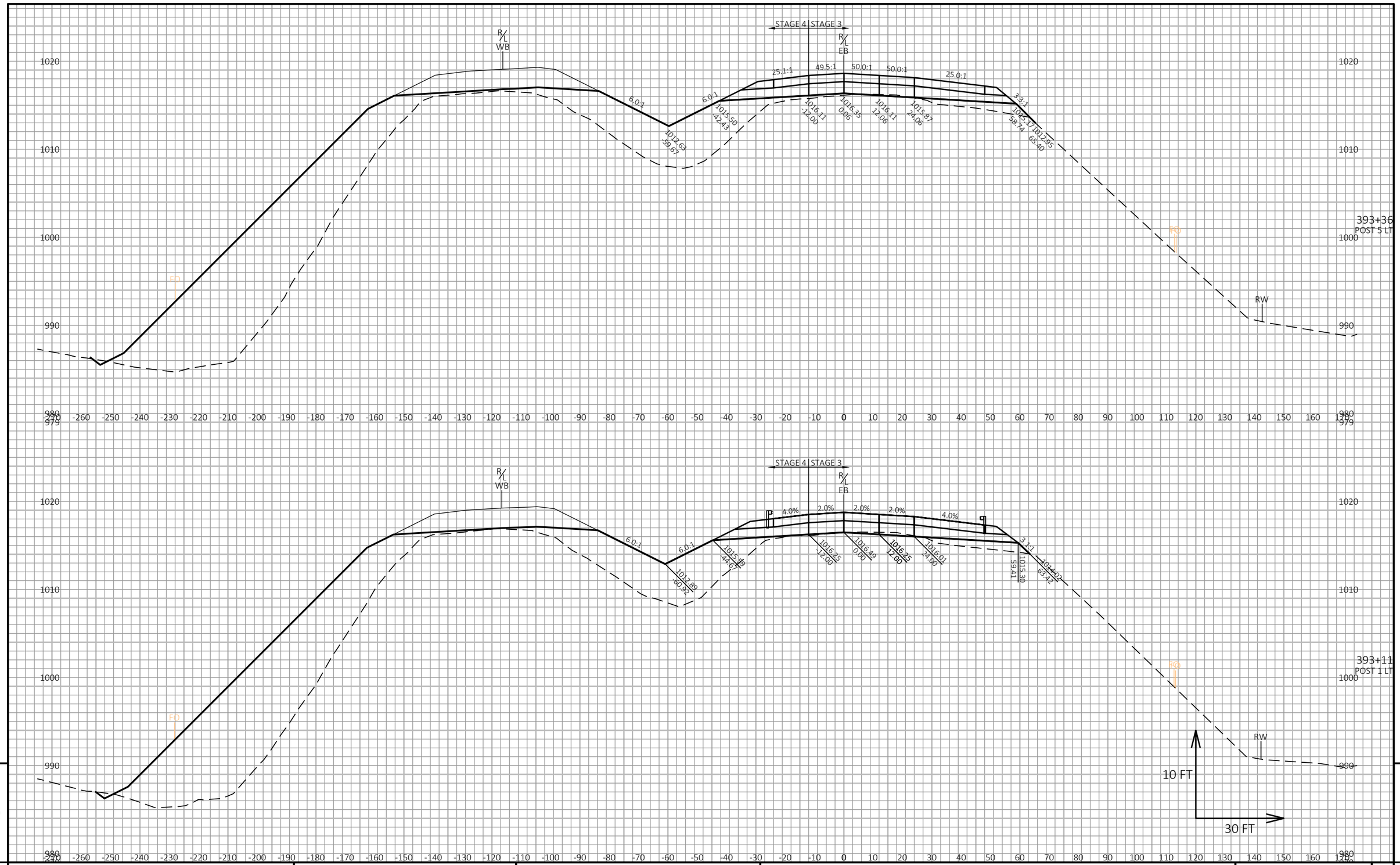
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT 100TH STREET	SHEET 511	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090350-XS-EB.DWG
LAYOUT NAME - 090358-XS

PLOT DATE : 5/8/2024 1:55 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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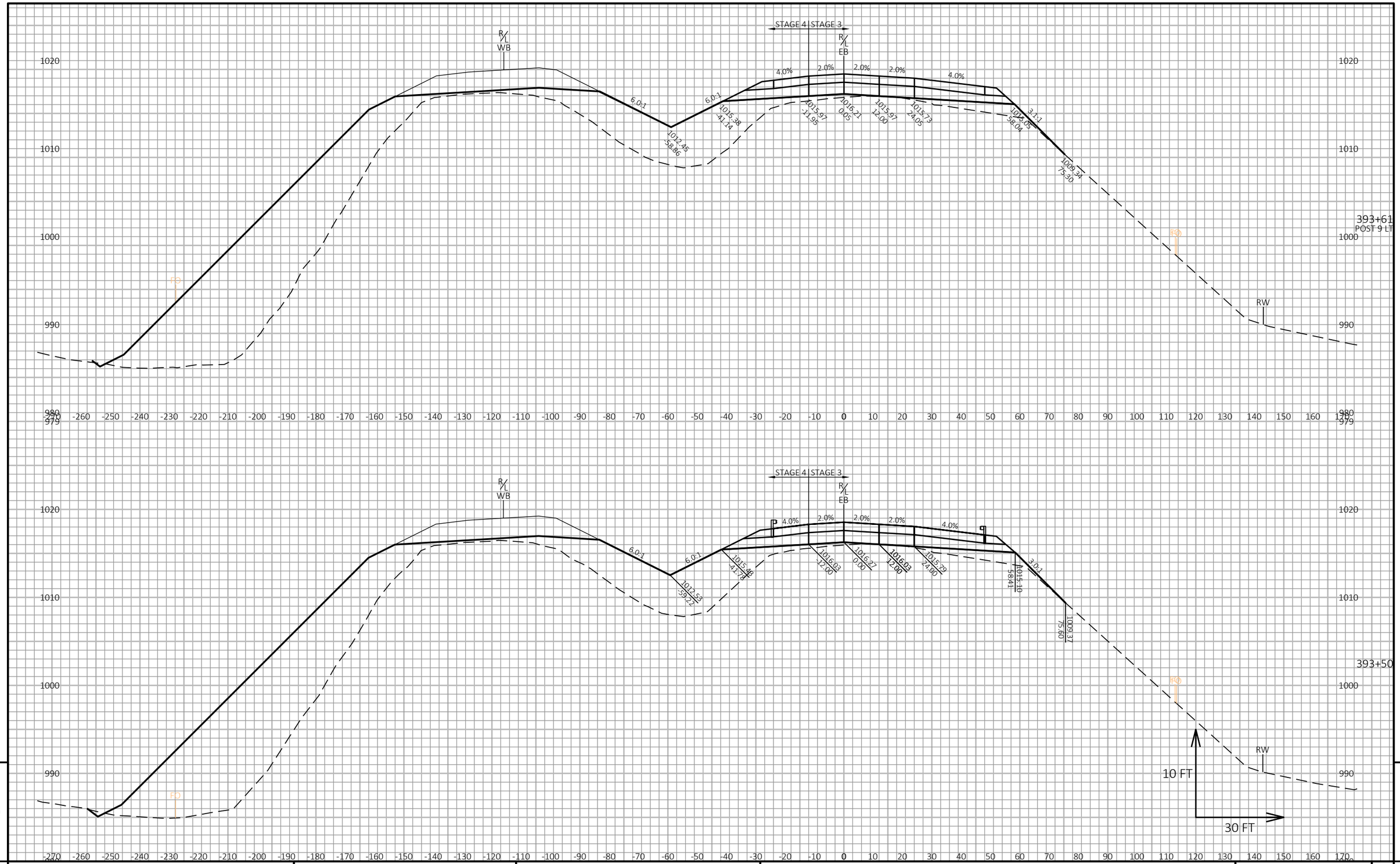
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT 100TH STREET	SHEET 512	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090350-XS-EB.DWG
LAYOUT NAME - 090359-XS

PLOT DATE : 5/8/2024 1:55 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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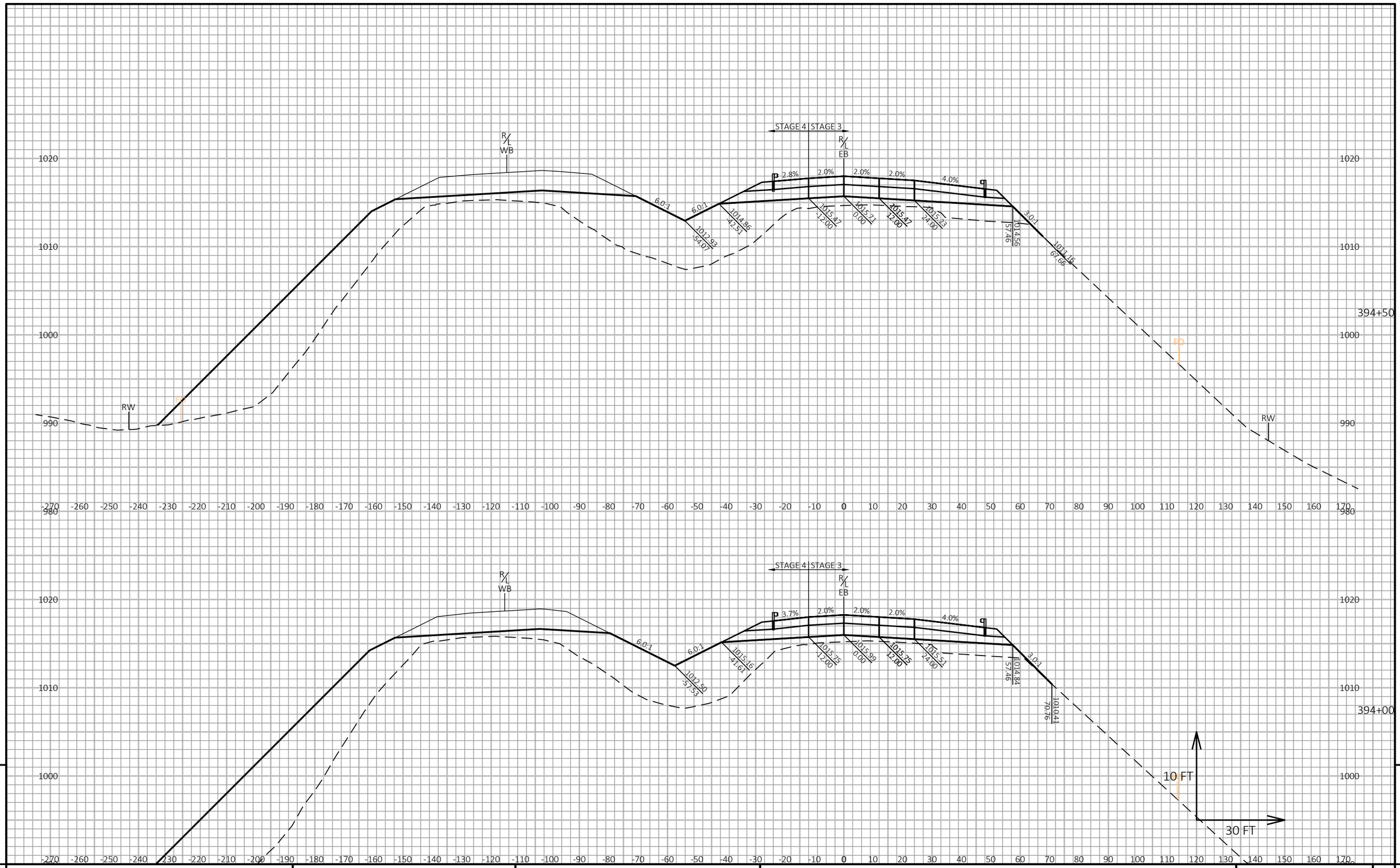
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT 100TH STREET	SHEET 513	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090350-XS-EB.DWG
LAYOUT NAME - 090360-XS

PLOT DATE : 5/8/2024 1:55 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

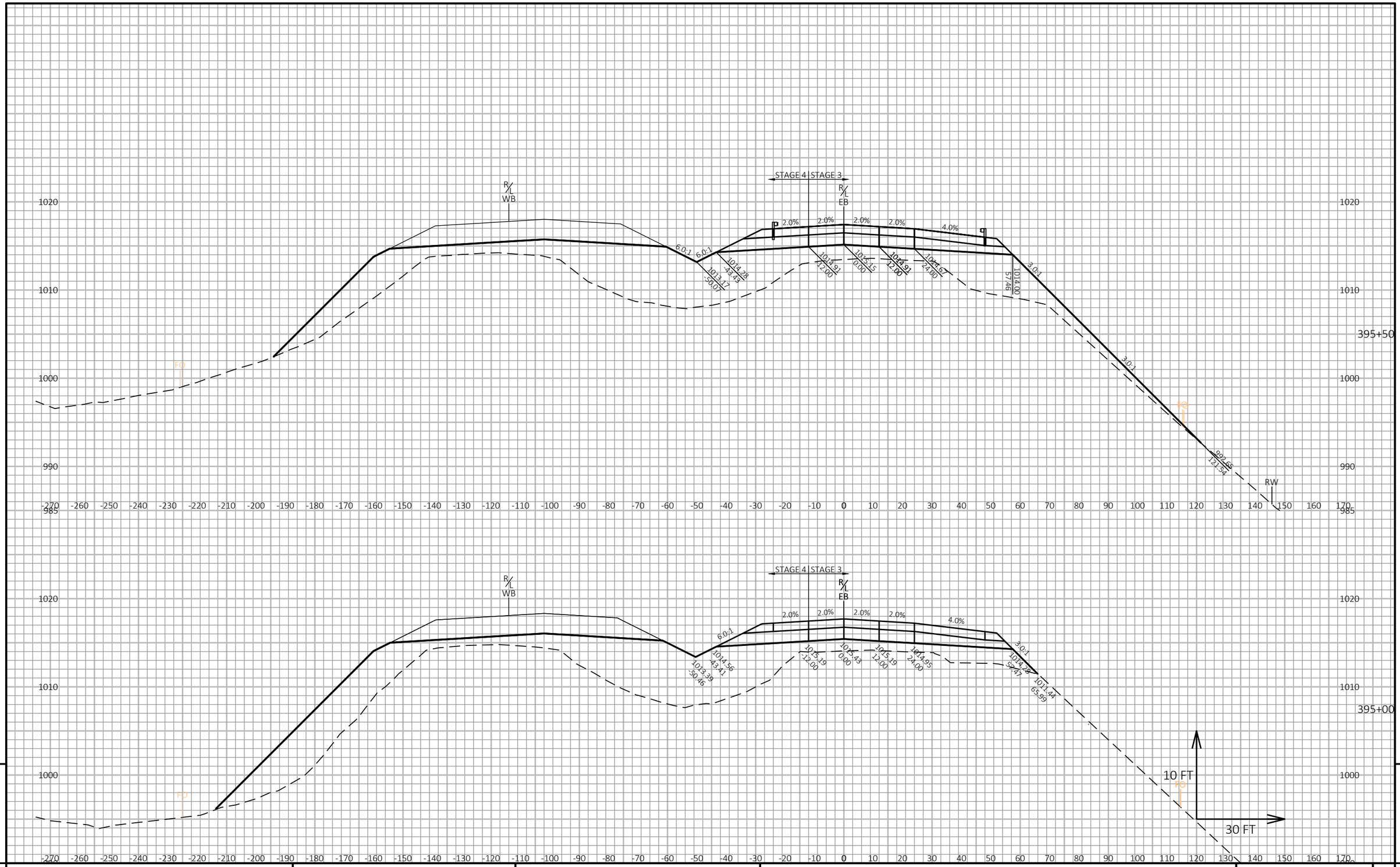


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT 100TH STREET	SHEET 514 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090350-XS-EB.DWG
LAYOUT NAME - 090361-XS

PLOT DATE : 5/8/2024 1:55 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

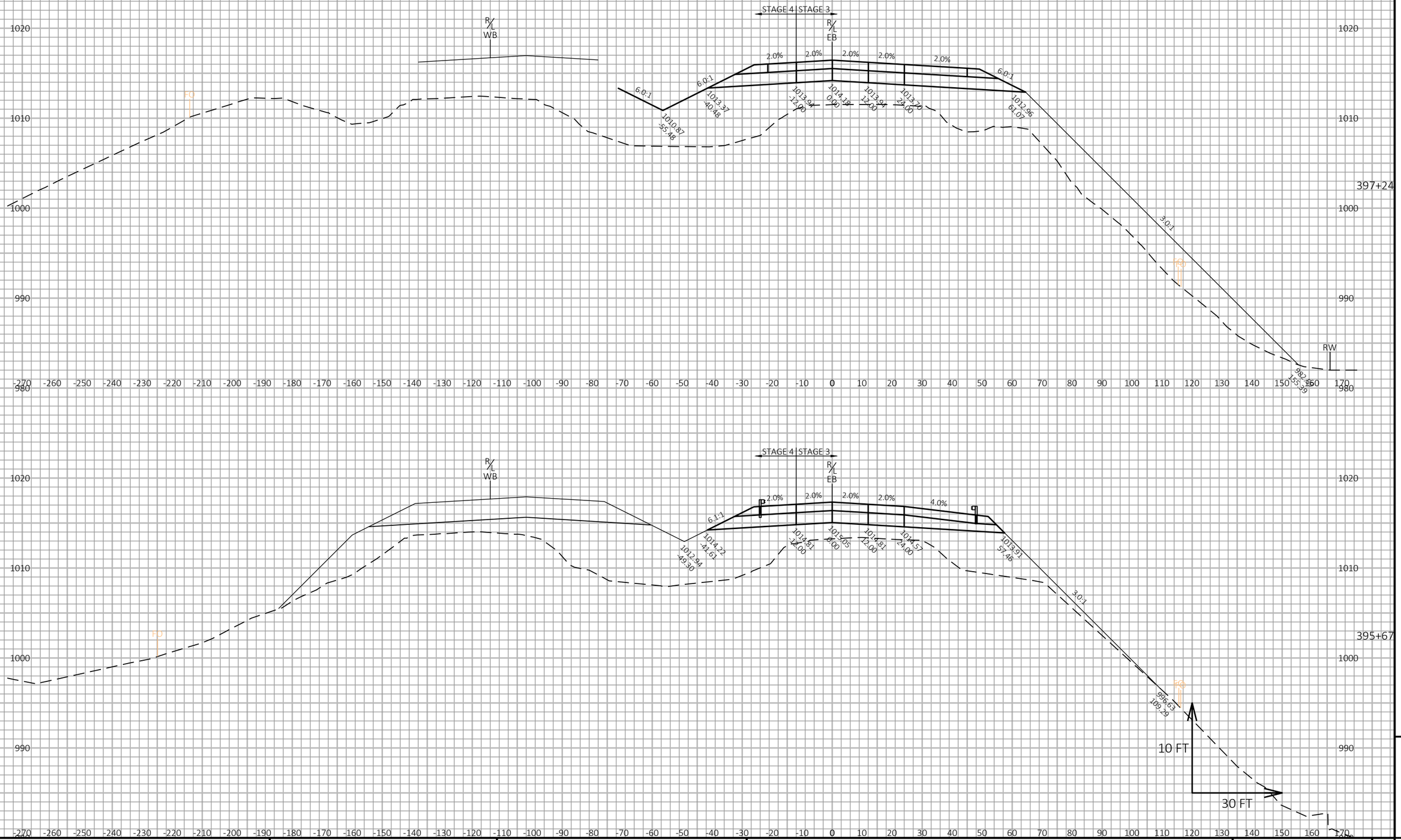


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT 100TH STREET	SHEET 515 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090350-XS-EB.DWG
LAYOUT NAME - 090362-XS

PLOT DATE : 5/8/2024 1:56 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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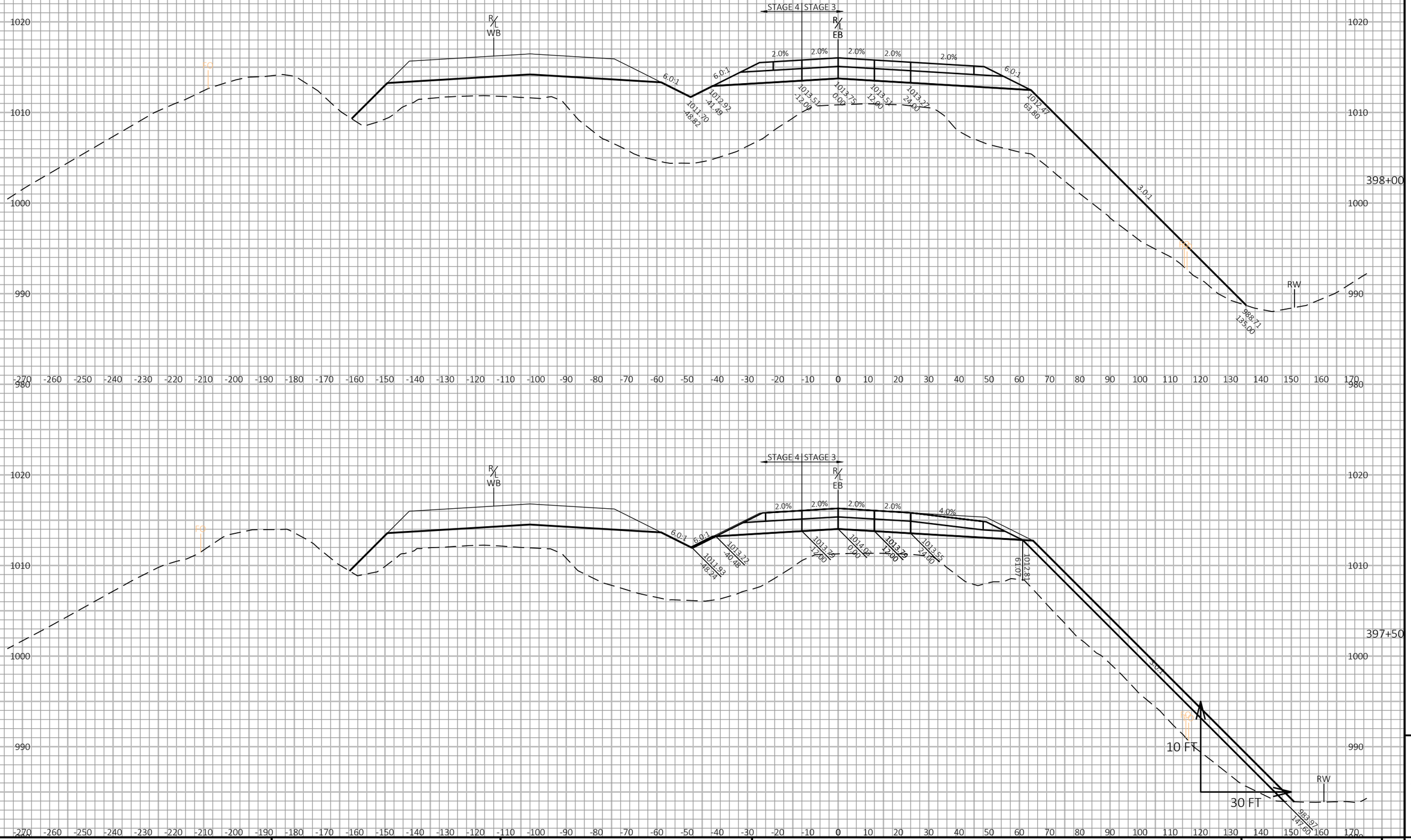
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT 100TH STREET	SHEET 516	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090350-XS-EB.DWG
LAYOUT NAME - 090363-XS

PLOT DATE : 5/8/2024 1:56 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

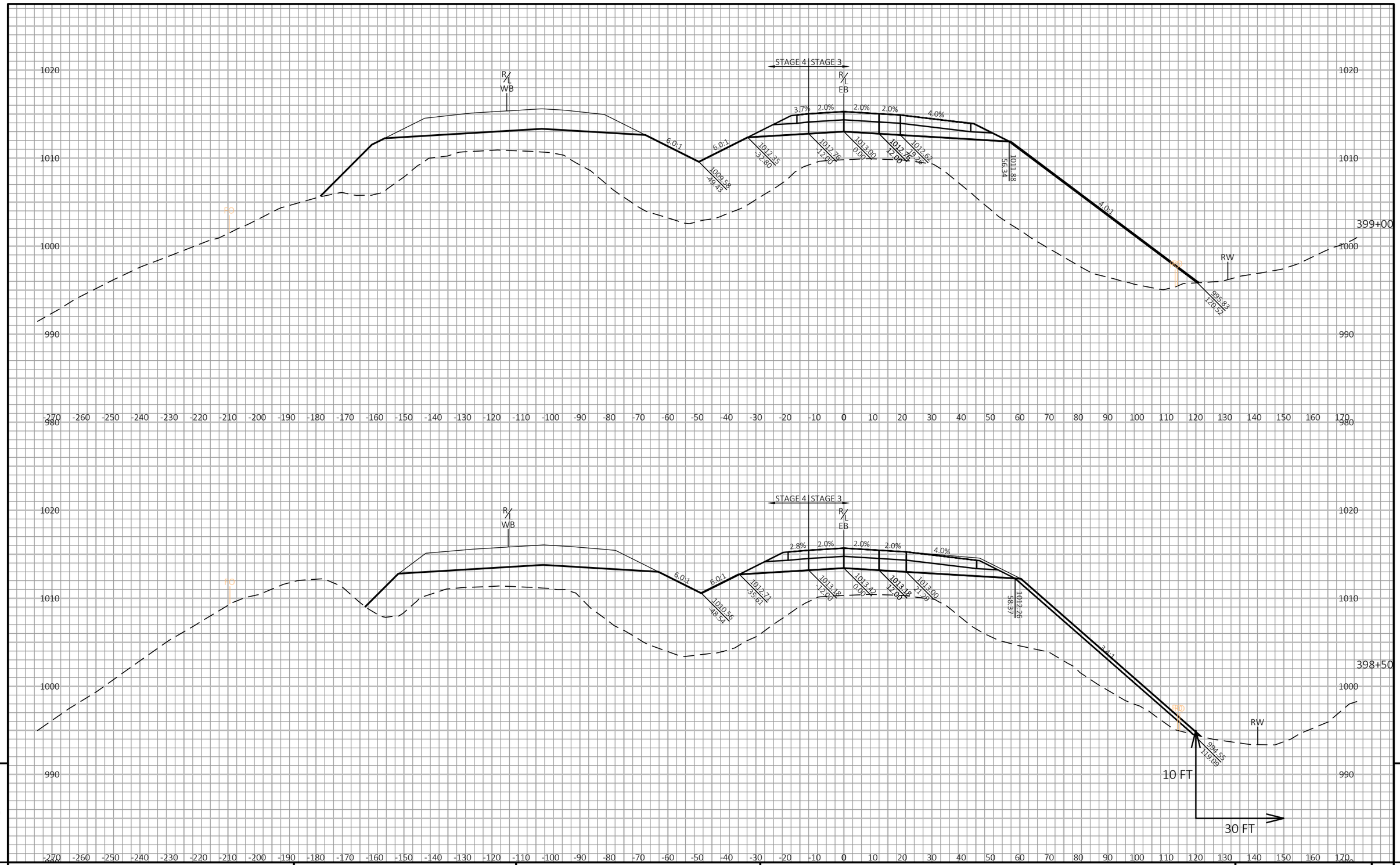


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT 100TH STREET	SHEET 517 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090350-XS-EB.DWG
LAYOUT NAME - 090364-XS

PLOT DATE : 5/8/2024 1:56 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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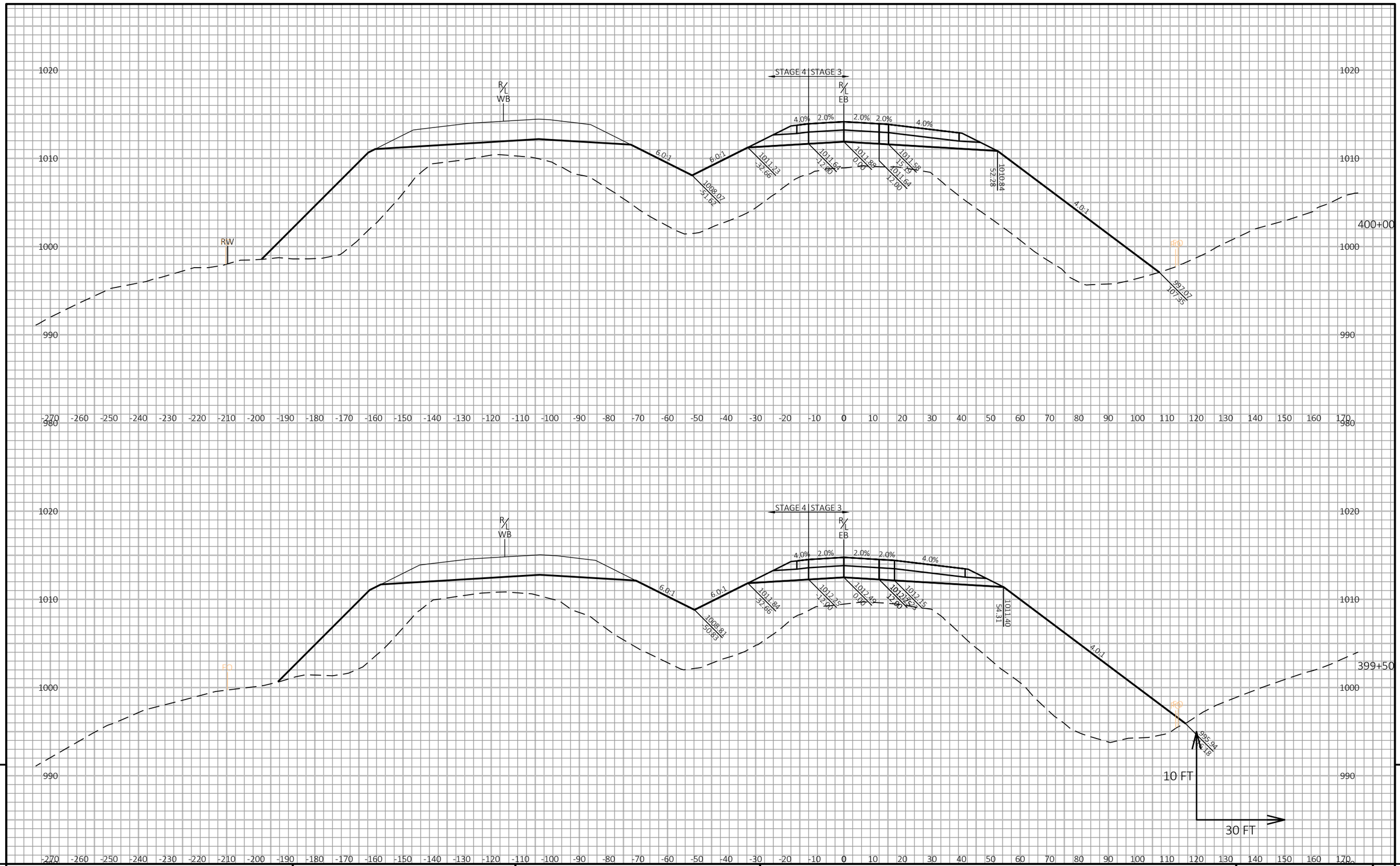
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT 100TH STREET	SHEET 518	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090350-XS-EB.DWG
LAYOUT NAME - 090365-XS

PLOT DATE : 5/8/2024 1:56 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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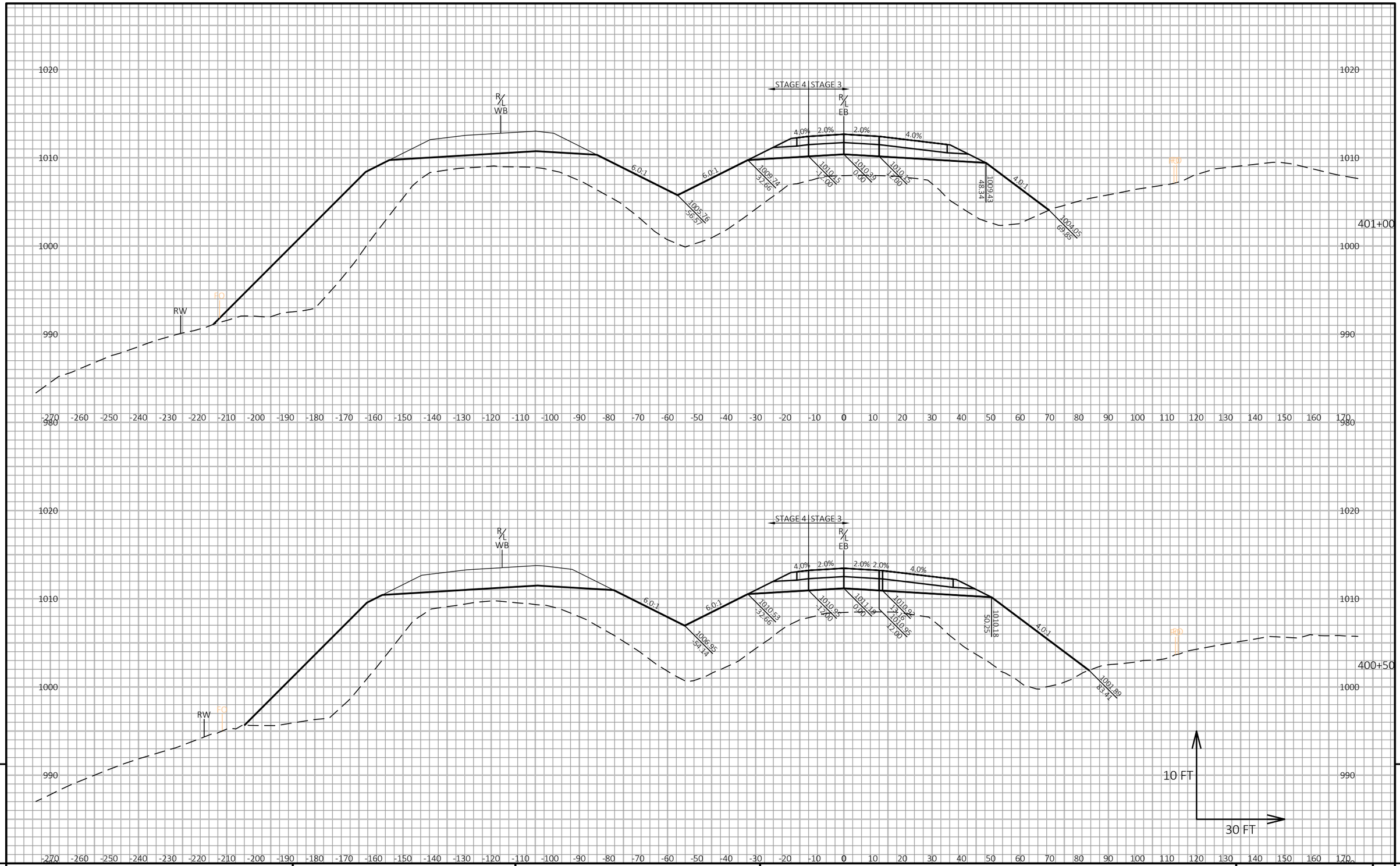
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT 100TH STREET	SHEET 519	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090350-XS-EB.DWG
LAYOUT NAME - 090366-XS

PLOT DATE : 5/8/2024 1:56 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

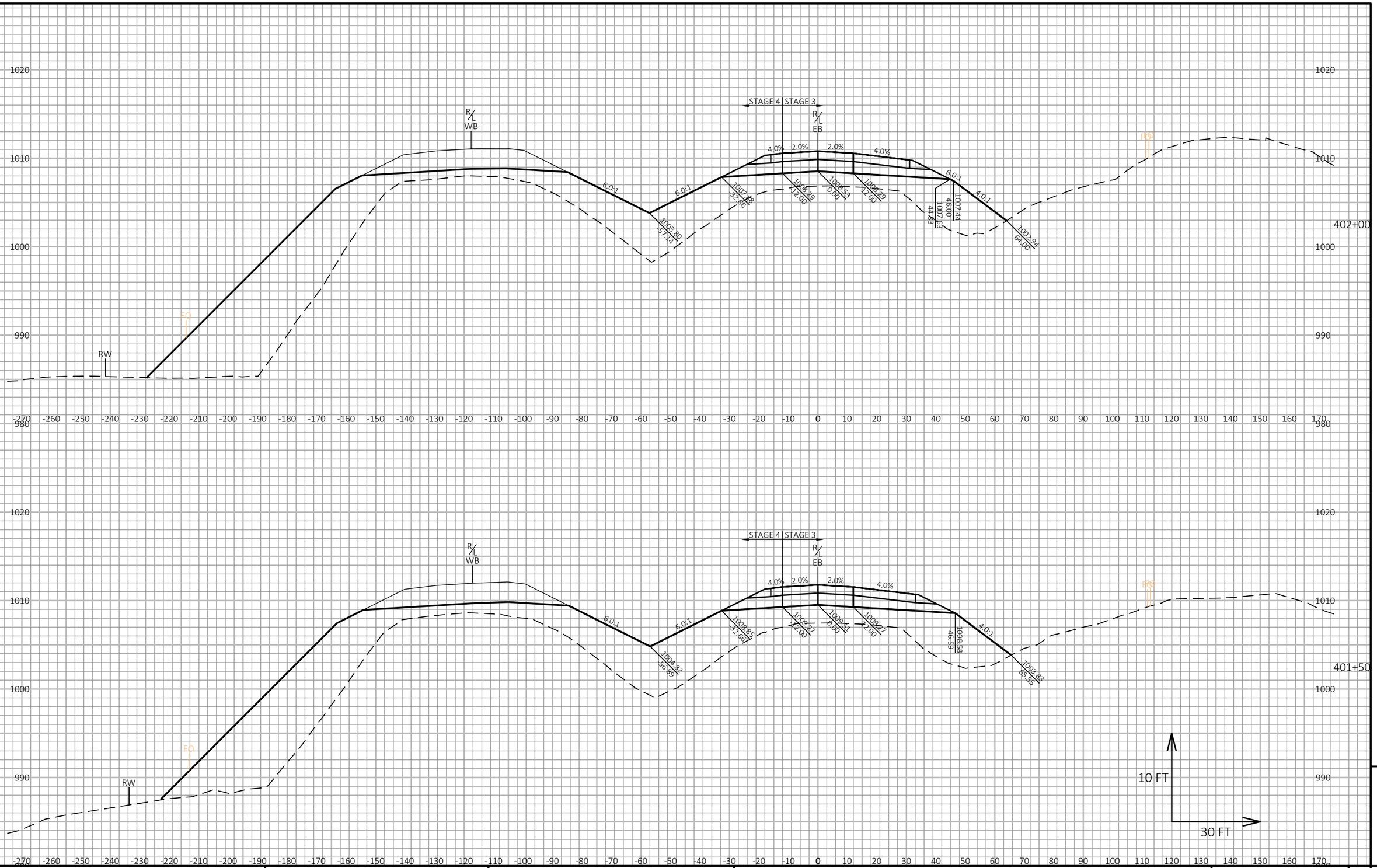


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT 100TH STREET	SHEET 520 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090350-XS-EB.DWG
LAYOUT NAME - 090367-XS

PLOT DATE : 5/8/2024 1:56 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



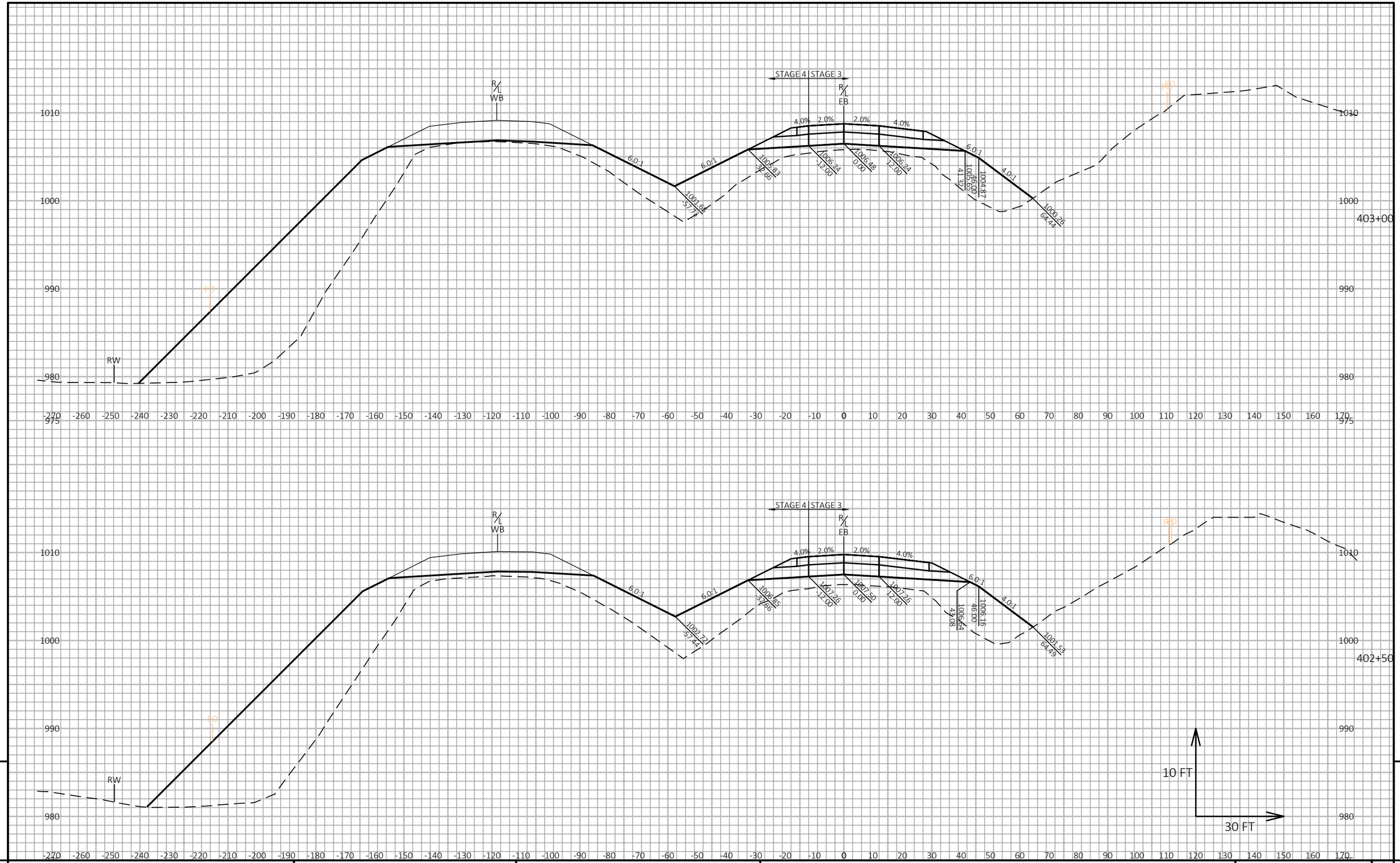
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT 100TH STREET	SHEET 521 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090350-XS-EB.DWG
LAYOUT NAME - 090368-XS

PLOT DATE : 5/8/2024 1:56 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9 9

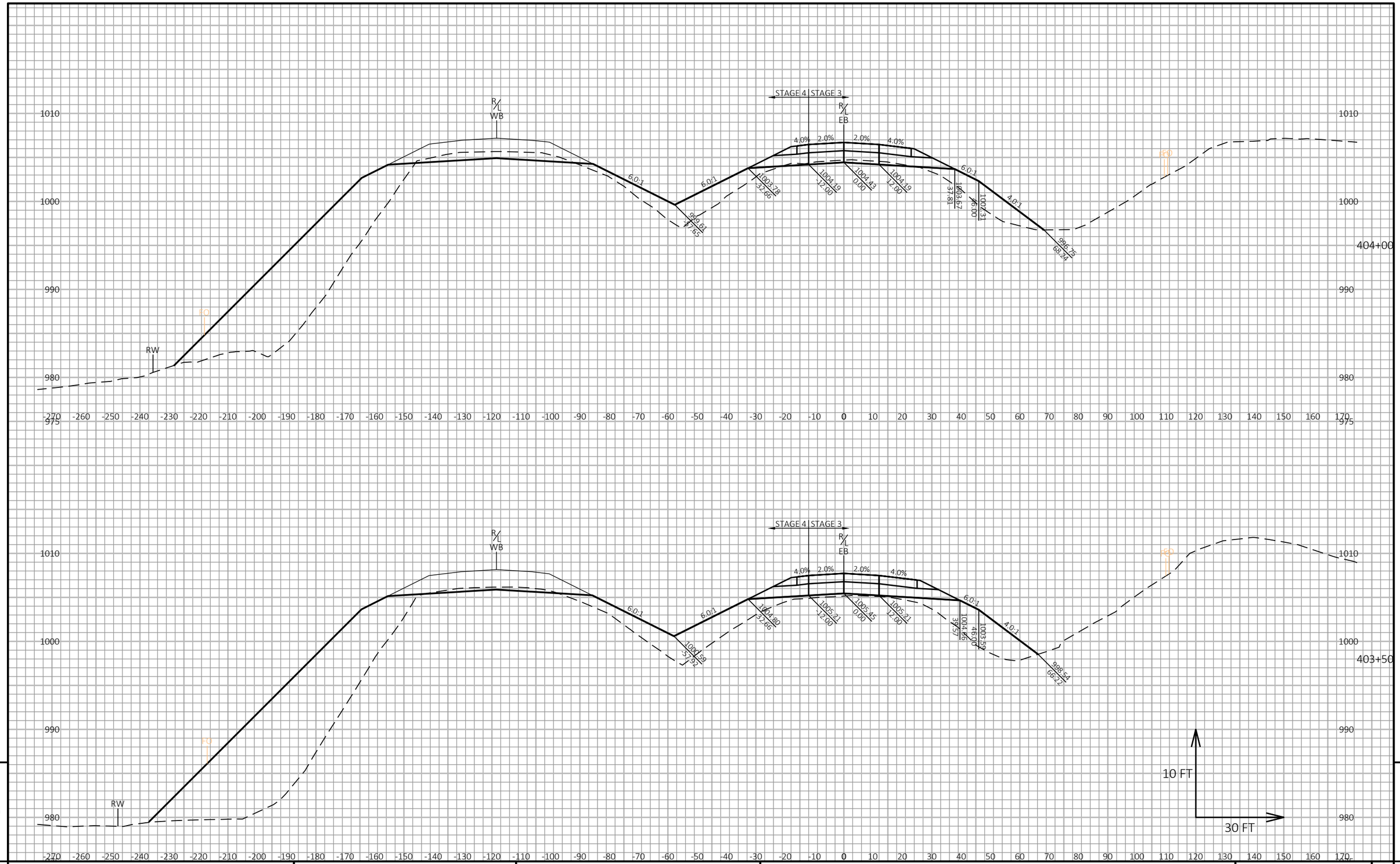


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT 100TH STREET	SHEET 522 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090350-XS-EB.DWG
LAYOUT NAME - 090369-XS

PLOT DATE : 5/8/2024 1:56 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

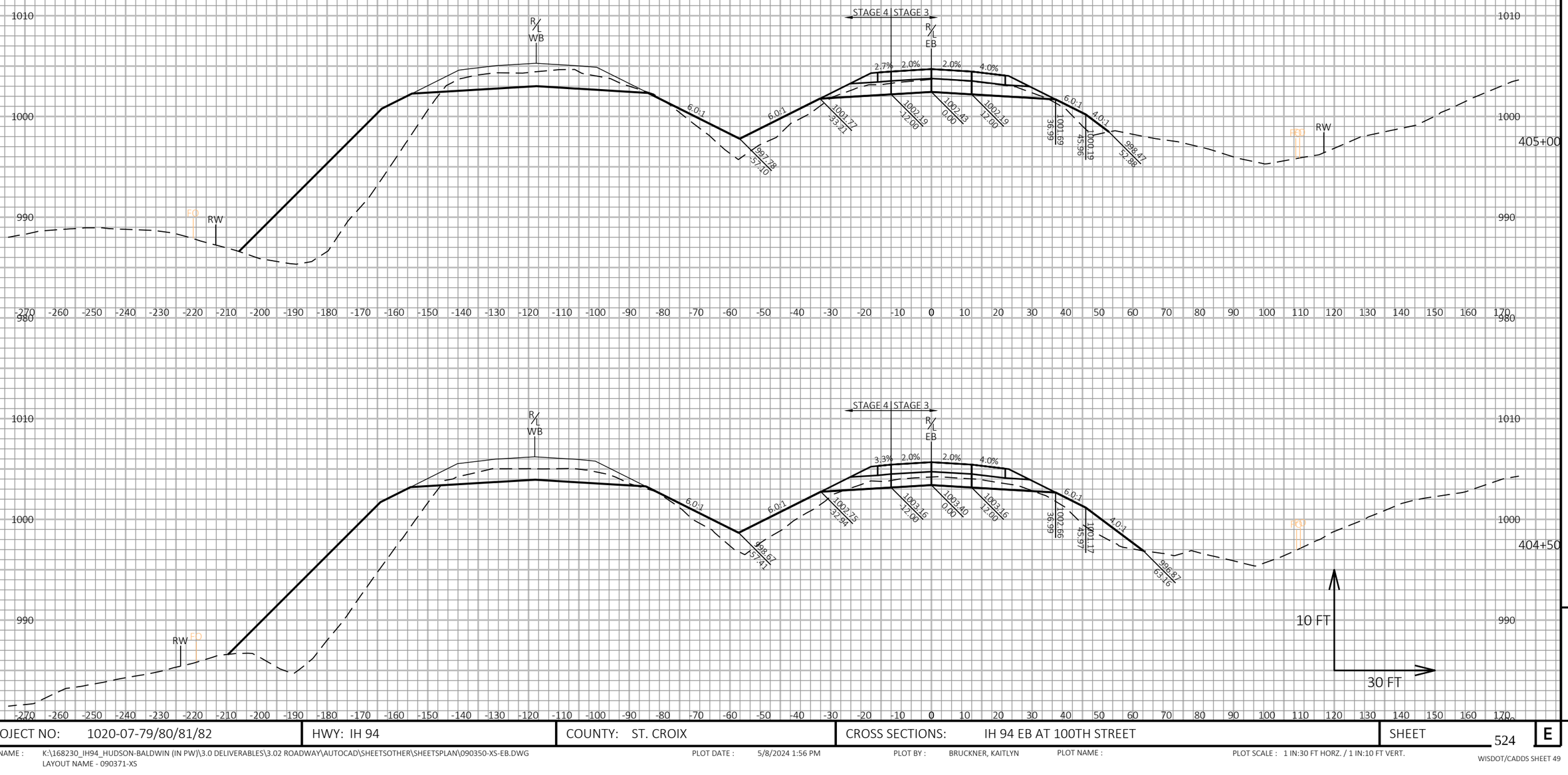


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT 100TH STREET	SHEET 523 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090350-XS-EB.DWG
LAYOUT NAME - 090370-XS

PLOT DATE : 5/8/2024 1:56 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

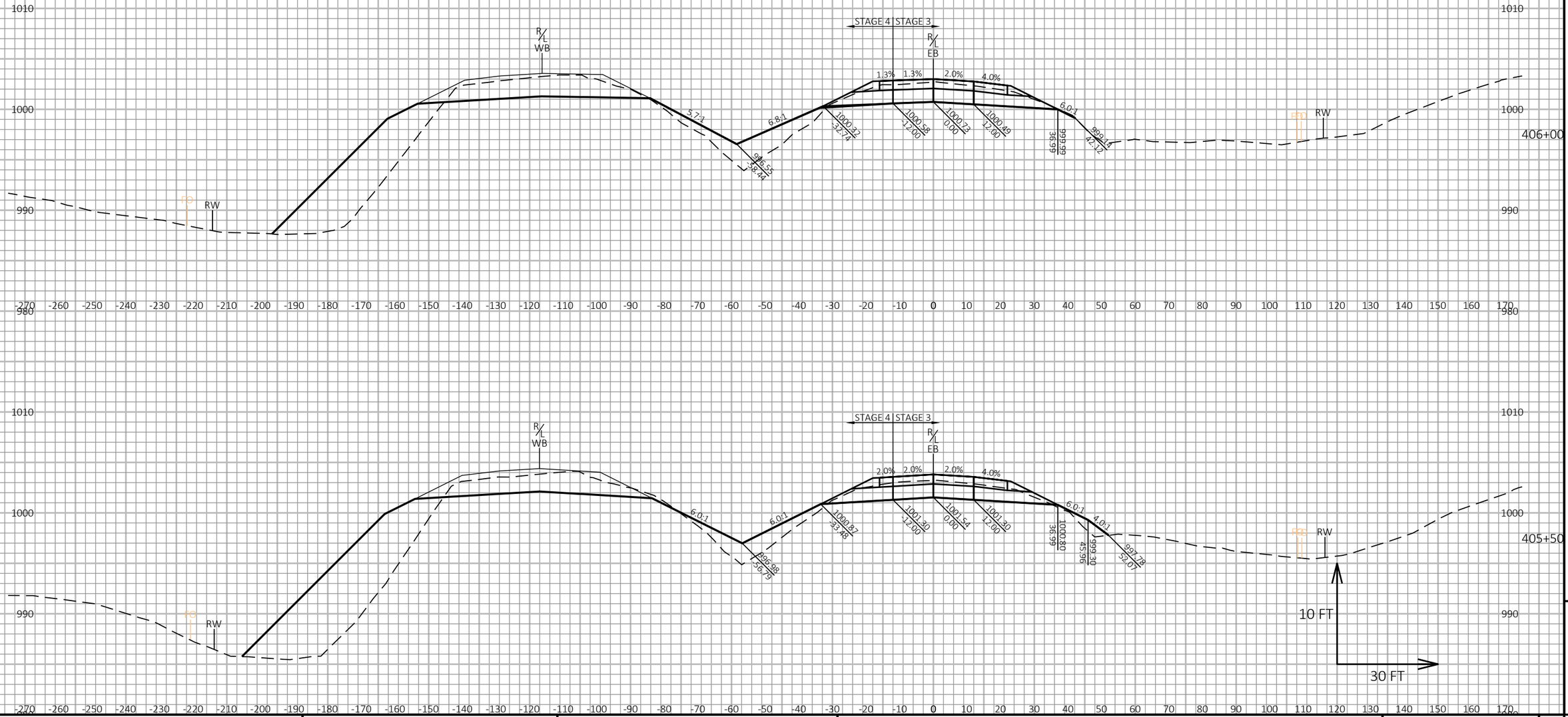


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT 100TH STREET	SHEET 524 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090350-XS-EB.DWG
LAYOUT NAME - 090371-XS

PLOT DATE : 5/8/2024 1:56 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



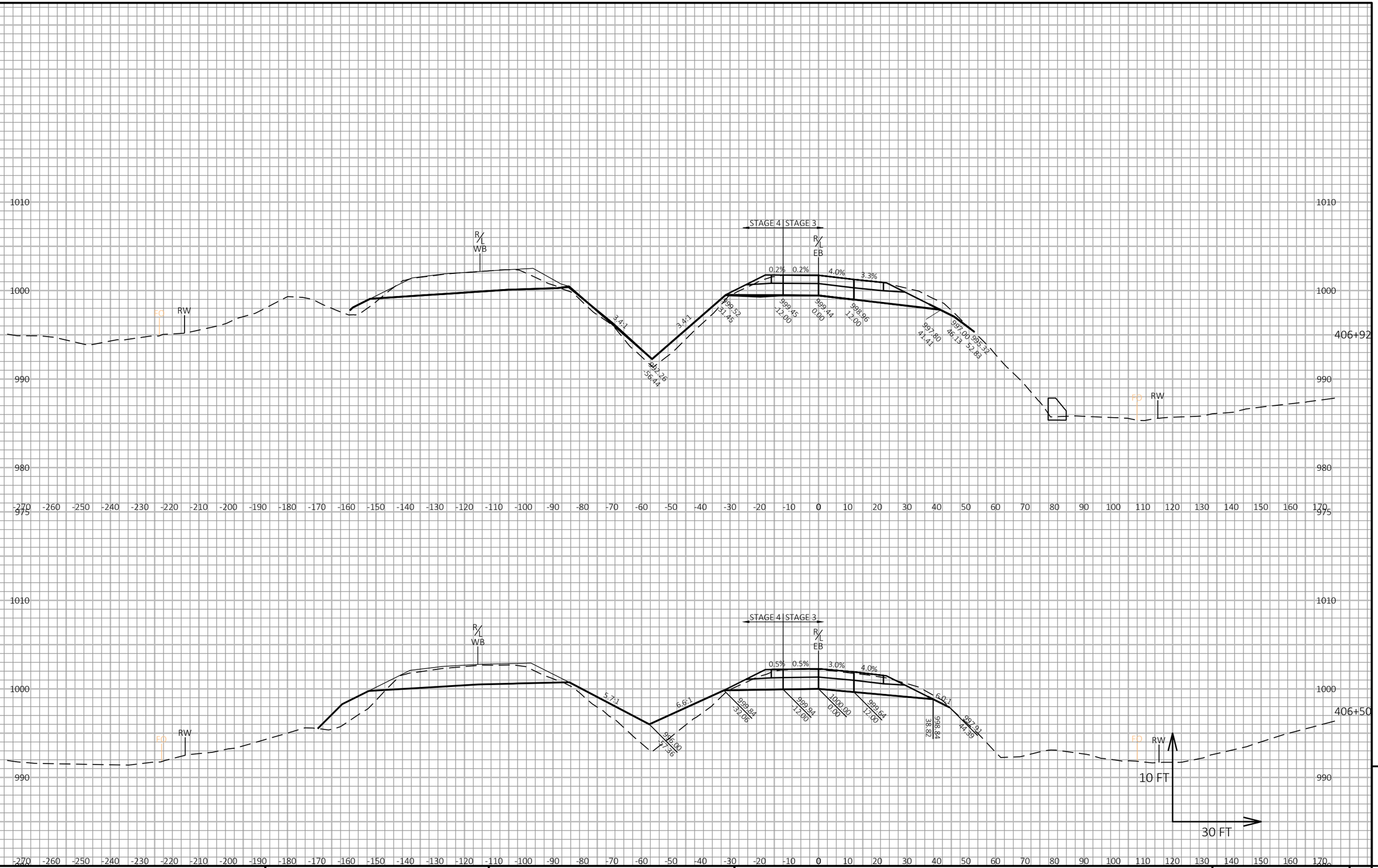
9 9

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT 100TH STREET	SHEET 525	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090350-XS-EB.DWG
LAYOUT NAME - 090372-XS

PLOT DATE : 5/8/2024 1:56 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

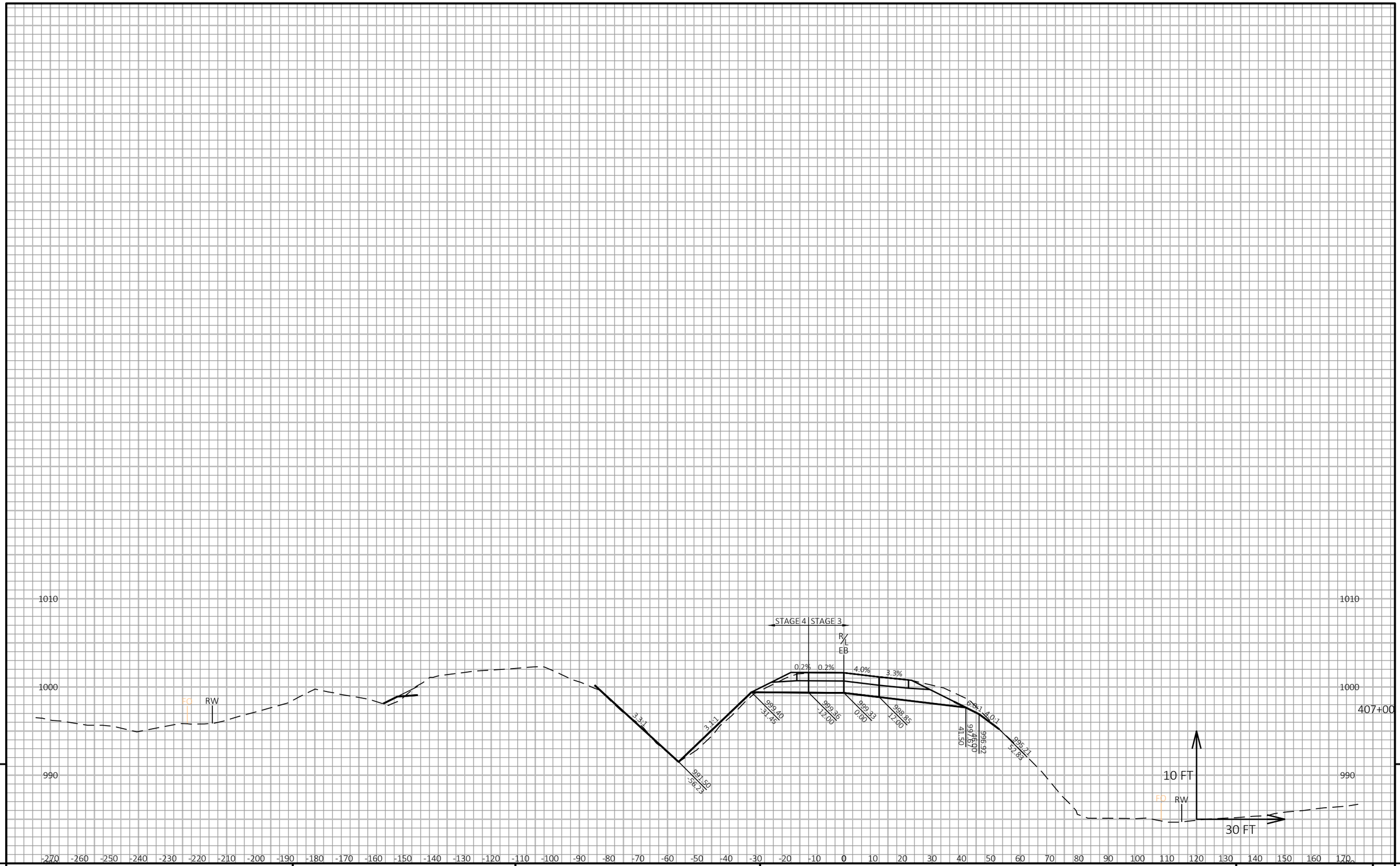


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT 100TH STREET	SHEET 526 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090350-XS-EB.DWG
LAYOUT NAME - 090373-XS

PLOT DATE : 5/8/2024 1:56 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



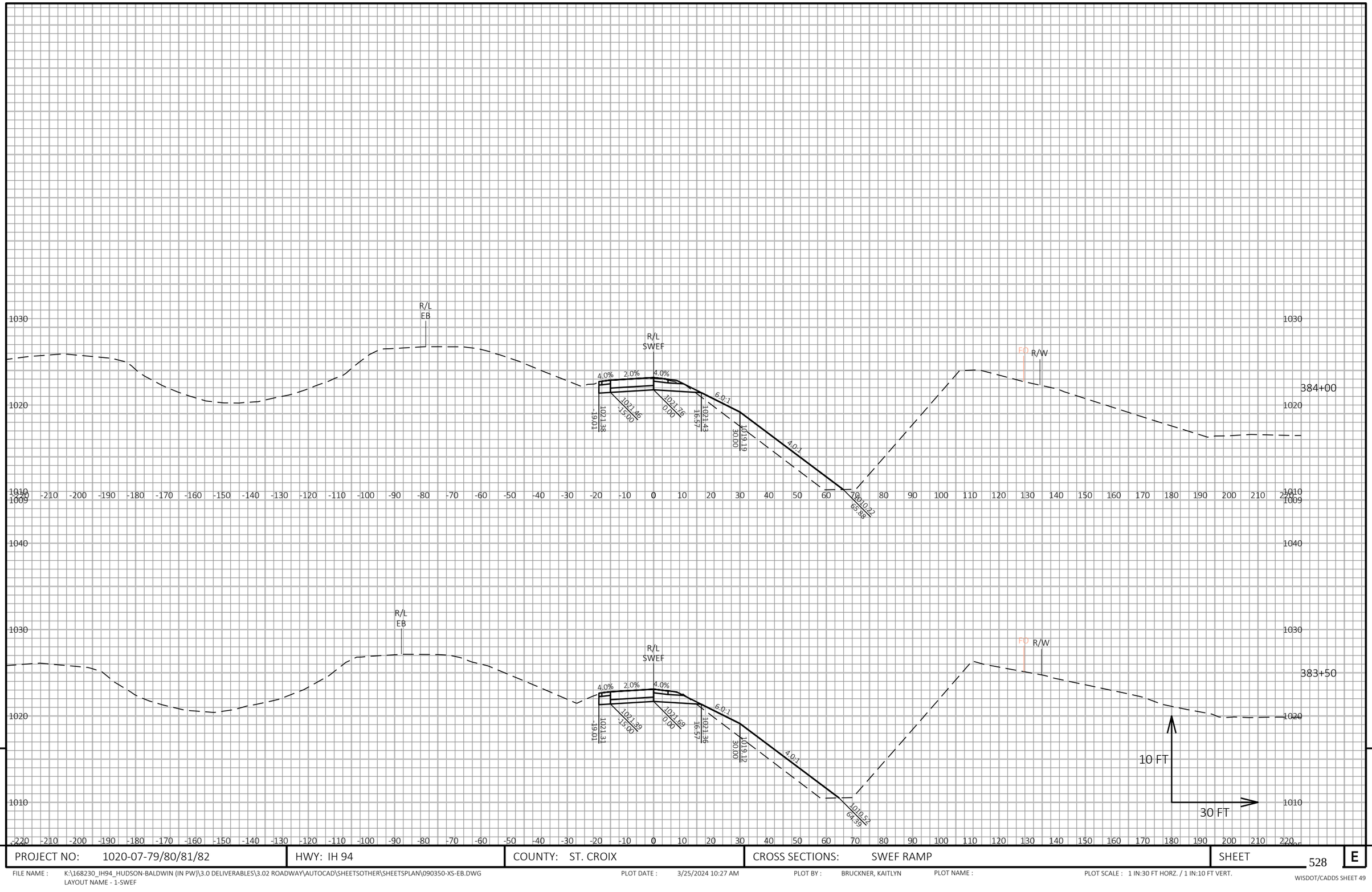
9 9

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 EB AT 100TH STREET	SHEET 527	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090350-XS-EB.DWG
LAYOUT NAME - 090374-XS

PLOT DATE : 5/8/2024 1:57 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



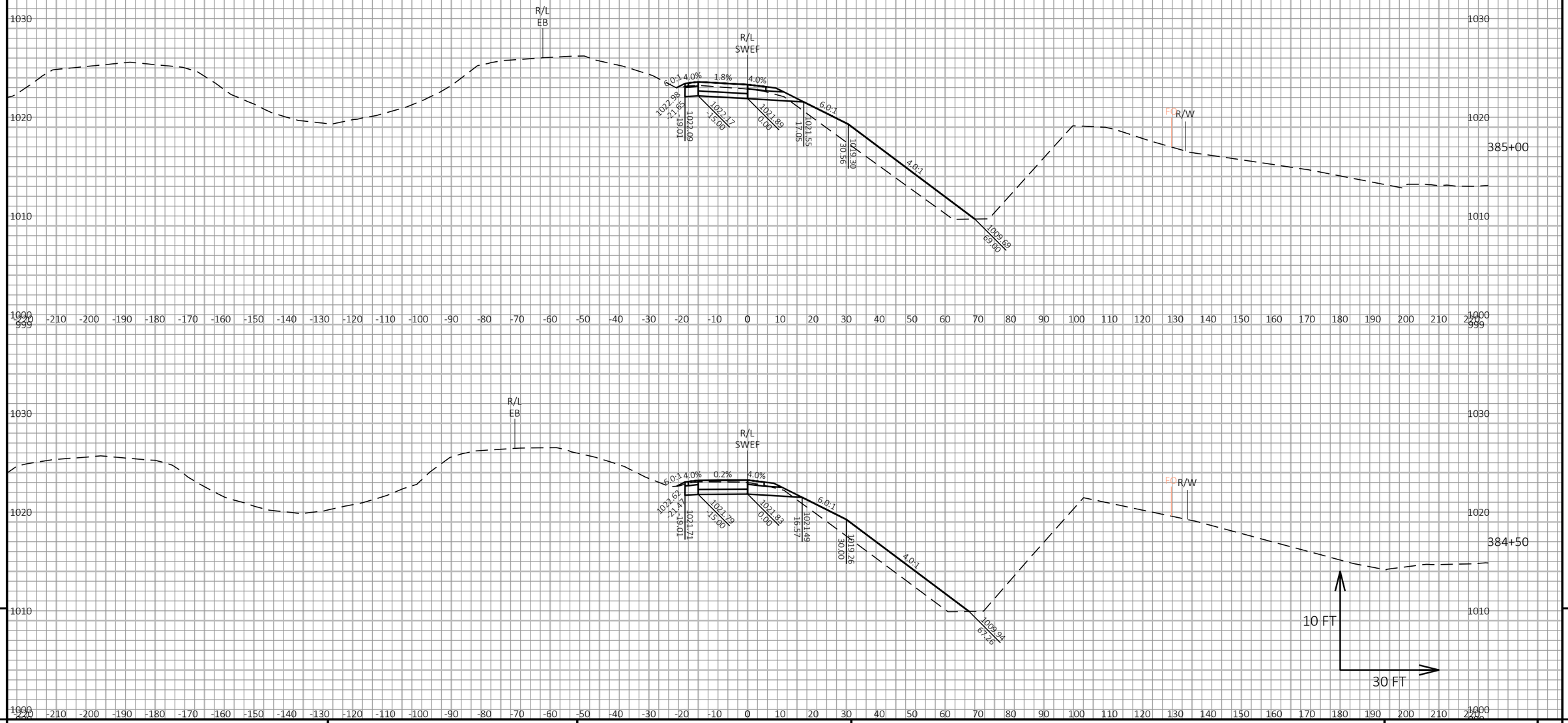
9 9

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: SWEF RAMP	SHEET 528	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090350-XS-EB.DWG
LAYOUT NAME - 1-SWEF

PLOT DATE : 3/25/2024 10:27 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

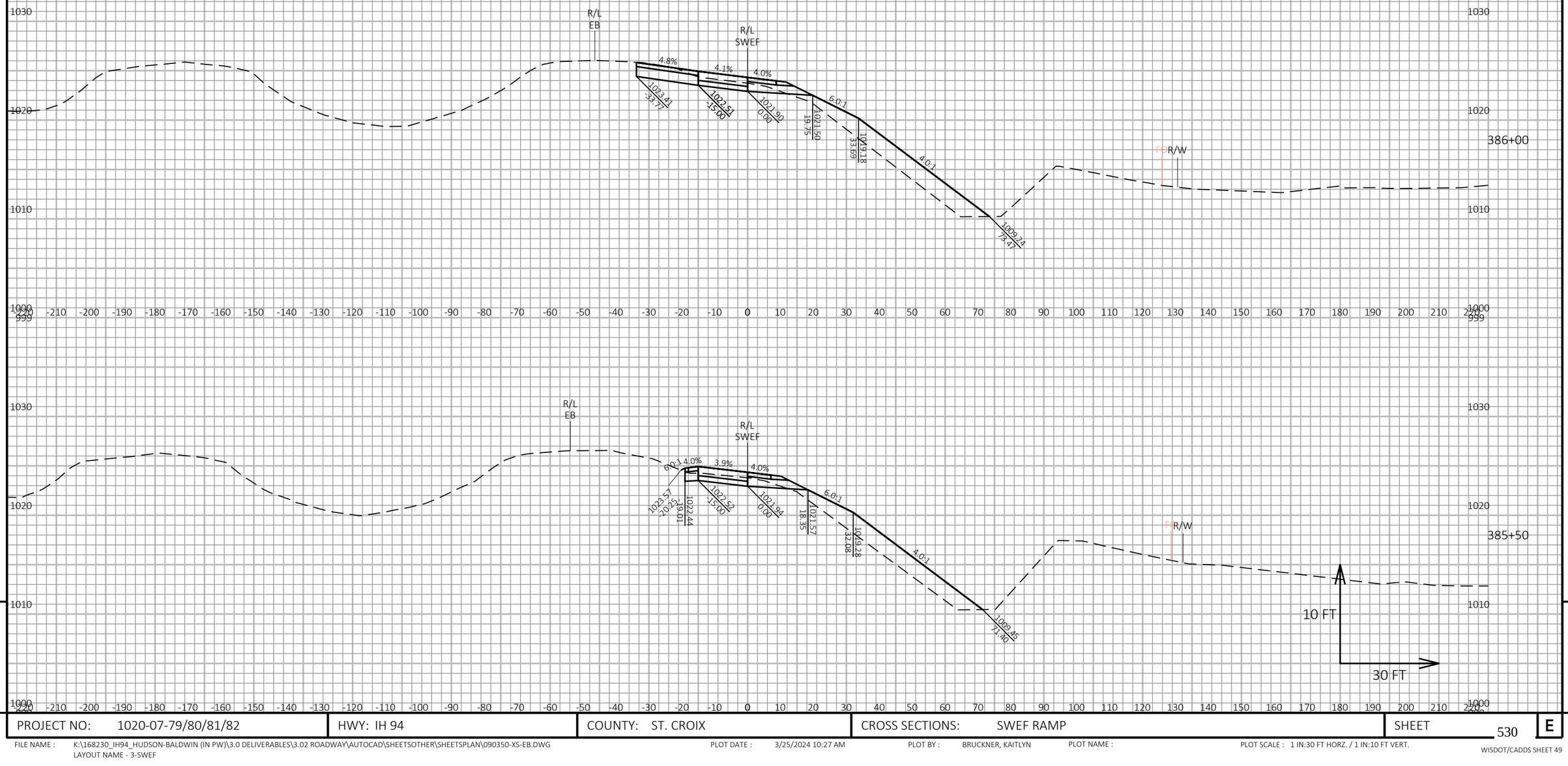


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: SWEF RAMP	SHEET 529 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090350-XS-EB.DWG
LAYOUT NAME - 2-SWEF

PLOT DATE : 3/25/2024 10:27 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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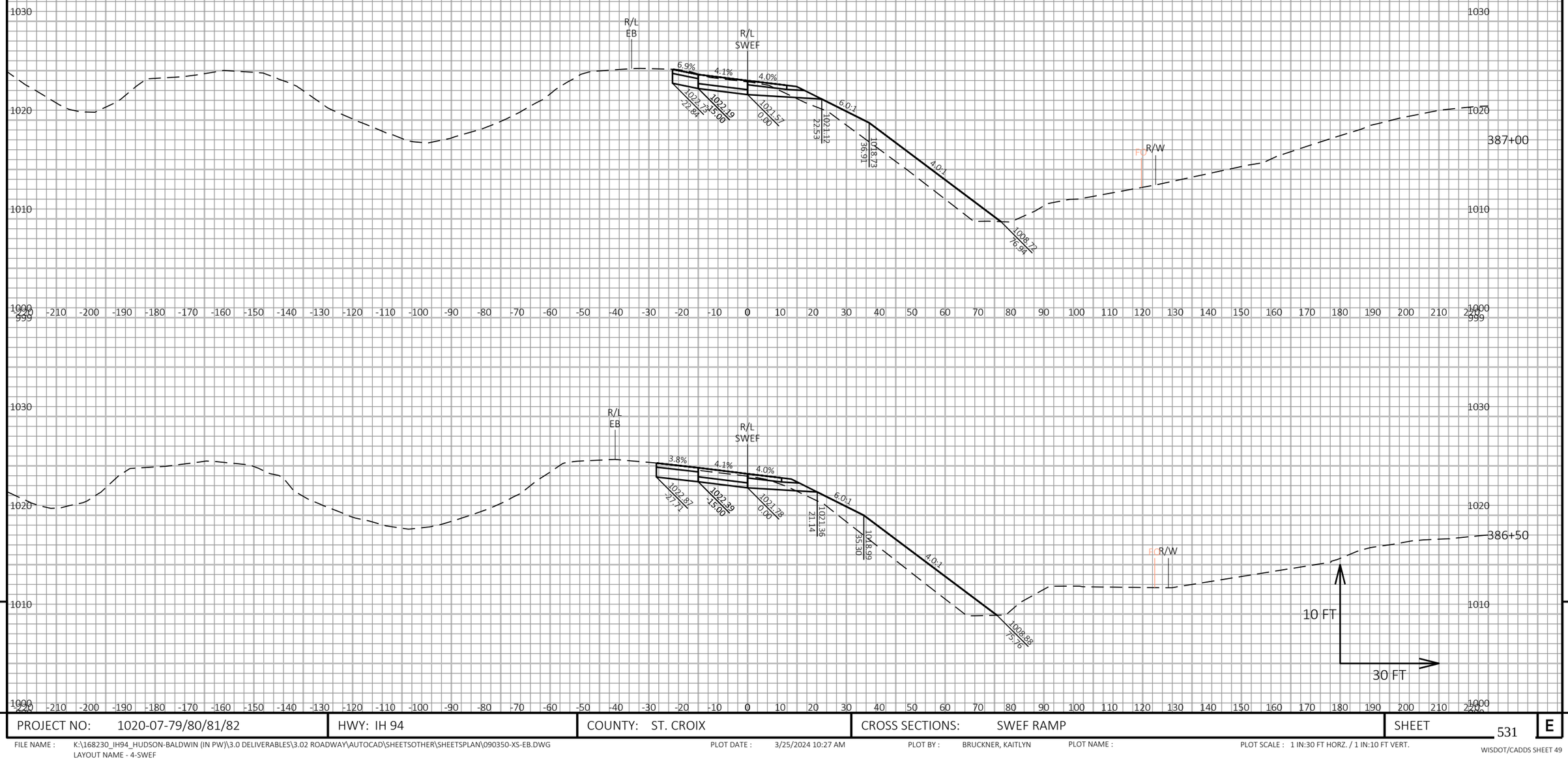
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: SWEF RAMP	SHEET 530	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090350-XS-EB.DWG
LAYOUT NAME - 3-SWEF

PLOT DATE : 3/25/2024 10:27 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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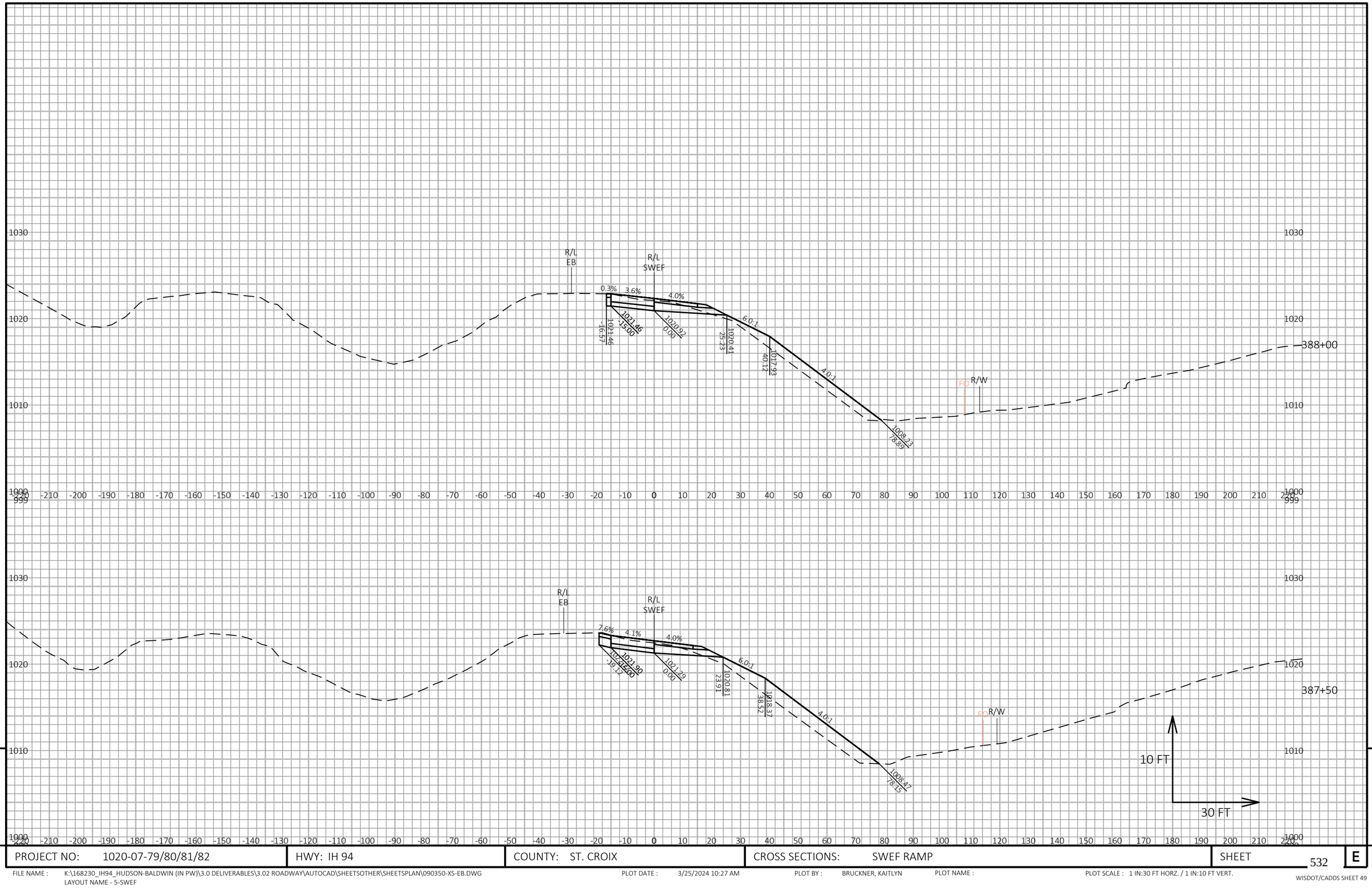
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: SWEF RAMP	SHEET 531	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090350-XS-EB.DWG
LAYOUT NAME - 4-SWEF

PLOT DATE : 3/25/2024 10:27 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

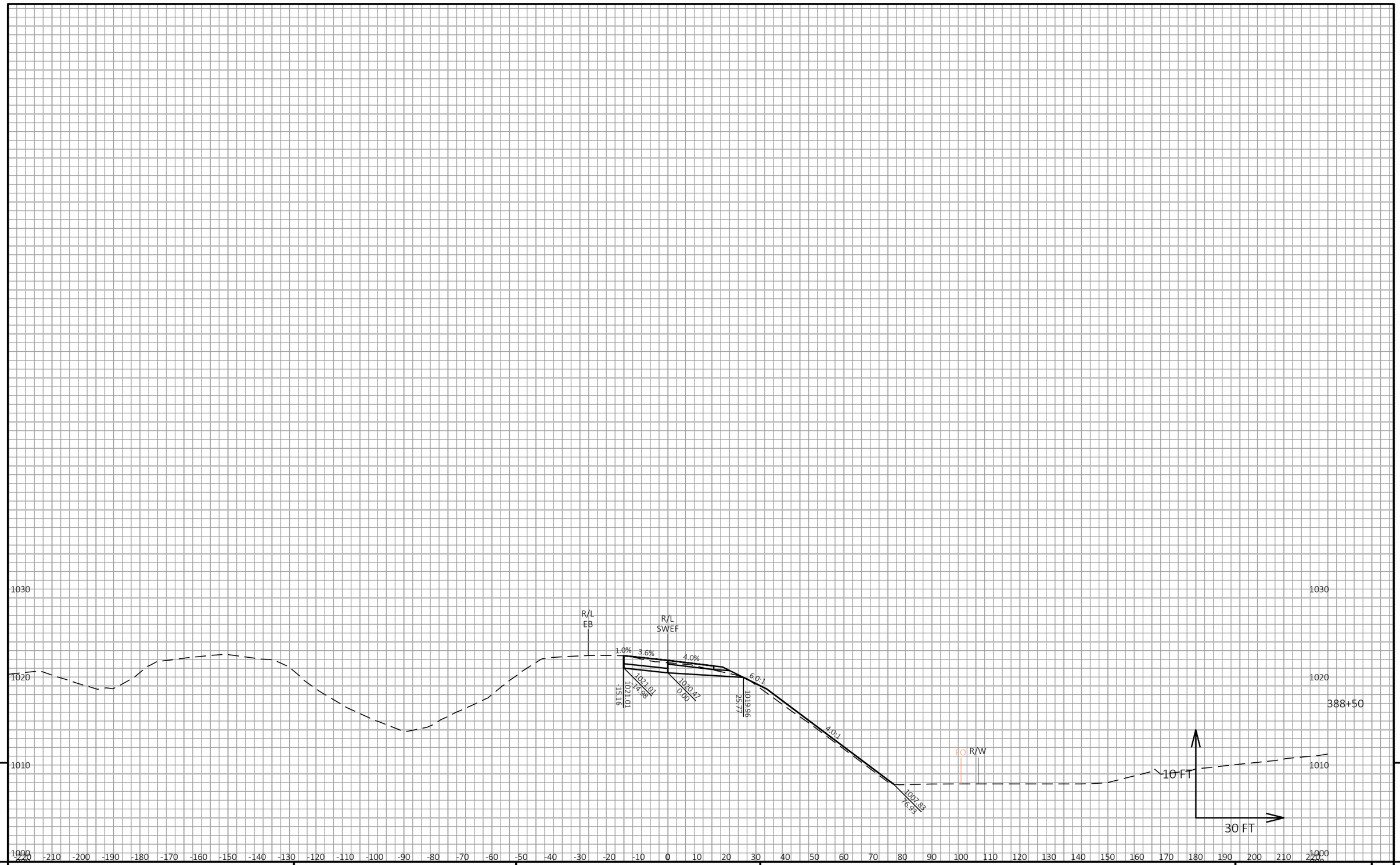


9 9

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: SWEF RAMP	SHEET 532	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090350-XS-EB.DWG
LAYOUT NAME - 5-SWEF

PLOT DATE : 3/25/2024 10:27 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: SWEF RAMP	SHEET 533	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090350-XS-EB.DWG
LAYOUT NAME - 6-SWEF

PLOT DATE : 3/25/2024 10:27 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:30 FT HORZ. / 1 IN:10 FT VERT.

9+50

EX R/L KINNEY RD

FO FO FO ELEC

0.3% 2.1% 1.8% 2.1%

-18.00	-12.19	0.00	12.10	18.00
986.17	986.28	986.53	986.32	986.20

9+25

EX R/L KINNEY RD

FO FO FO ELEC

5.7:1 1.7% 1.9% 9.5:1

-21.95	-12.16	0.00	12.19	22.97
986.28	986.47	986.69	986.45	986.24

10 FT

20 FT

ELEC

9

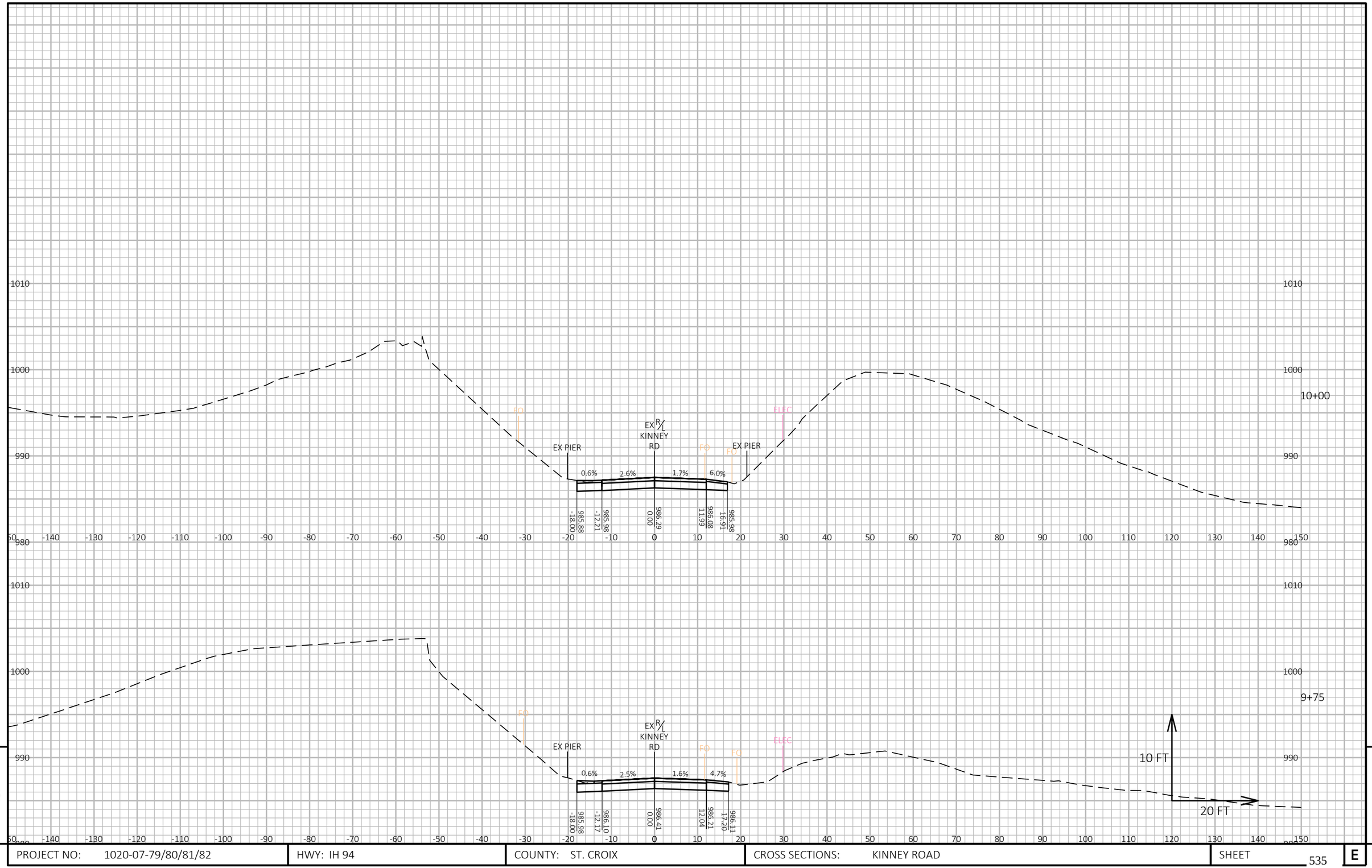
9

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: KINNEY ROAD	SHEET 534	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090401-XS-KINNEY.DWG
LAYOUT NAME - 090401-xs

PLOT DATE : 3/29/2024 8:42 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

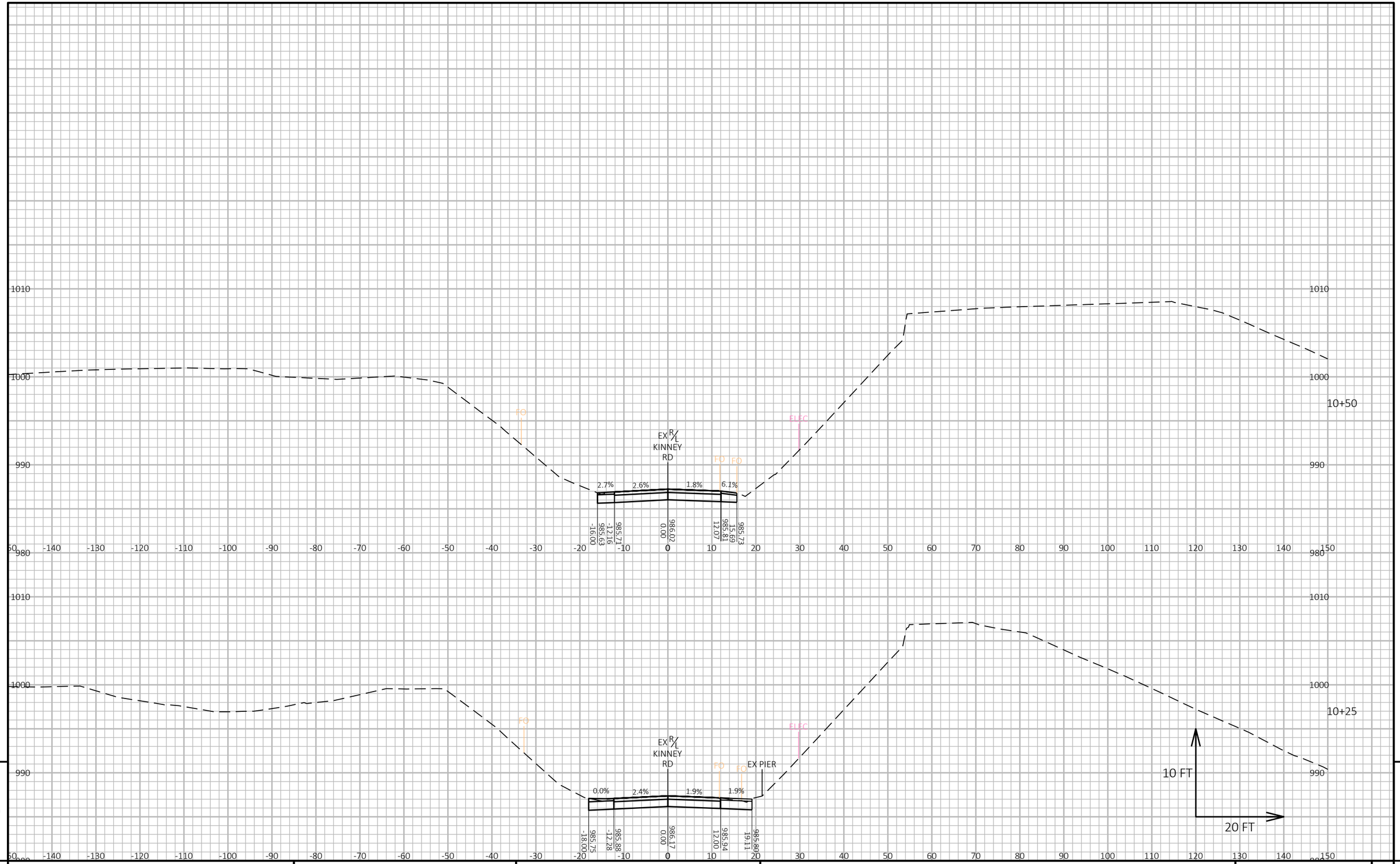


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: KINNEY ROAD	SHEET 535 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090401-XS-KINNEY.DWG
LAYOUT NAME - 090402-xs

PLOT DATE : 3/29/2024 8:43 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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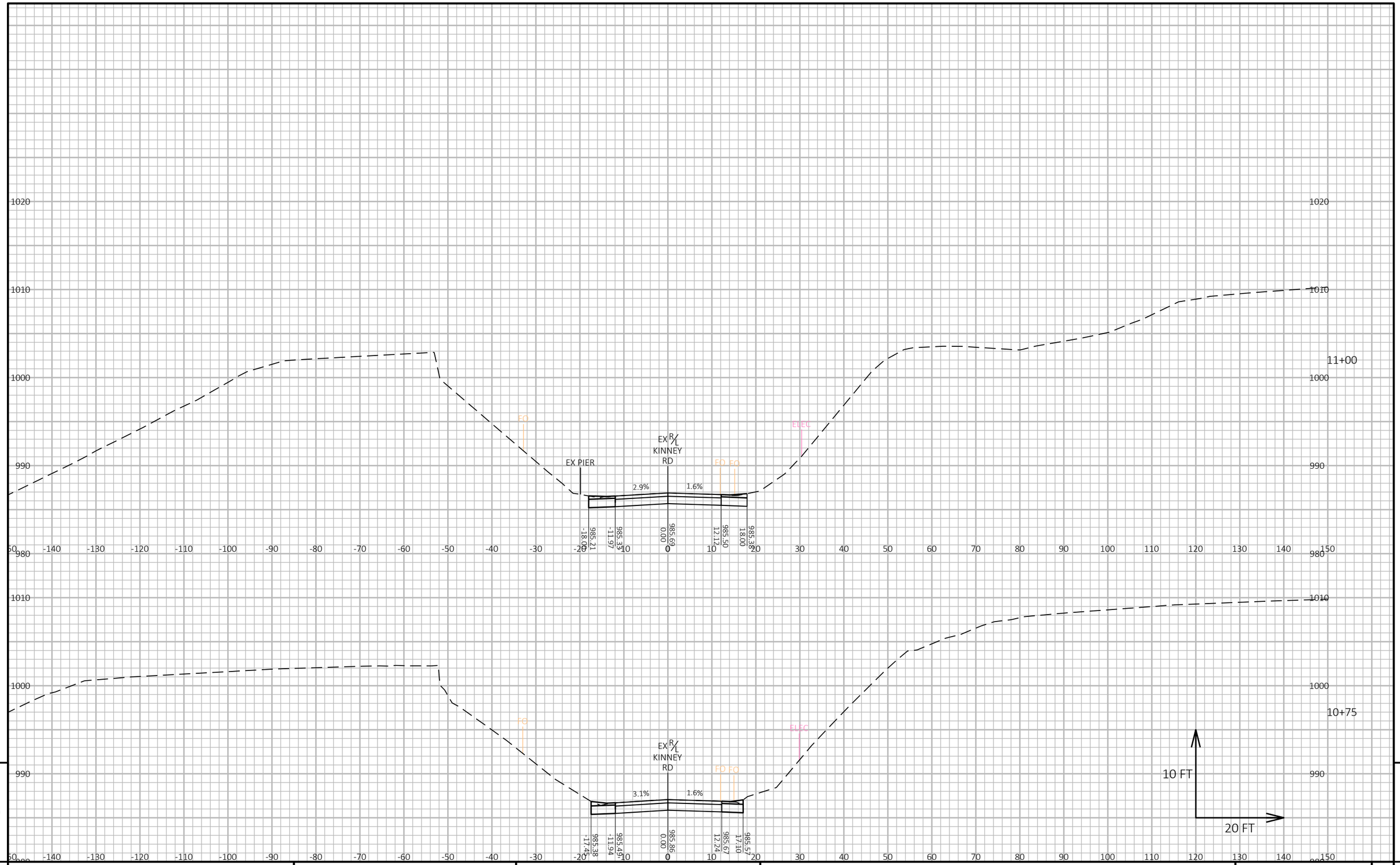
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: KINNEY ROAD	SHEET 536	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090401-XS-KINNEY.DWG
LAYOUT NAME - 090403-xs

PLOT DATE : 3/29/2024 8:43 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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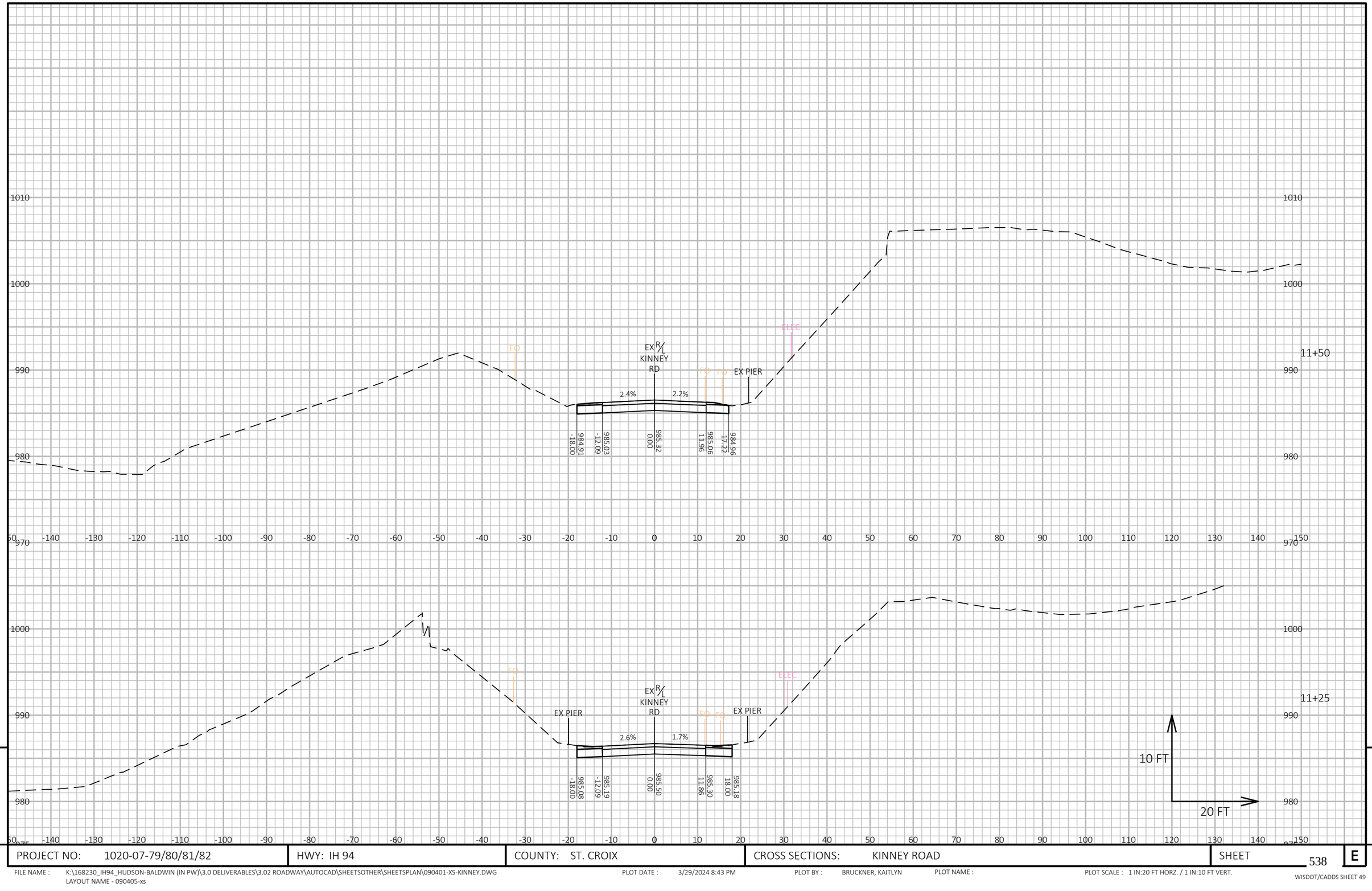
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: KINNEY ROAD	SHEET 537	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090401-XS-KINNEY.DWG
LAYOUT NAME - 090404-xs

PLOT DATE : 3/29/2024 8:43 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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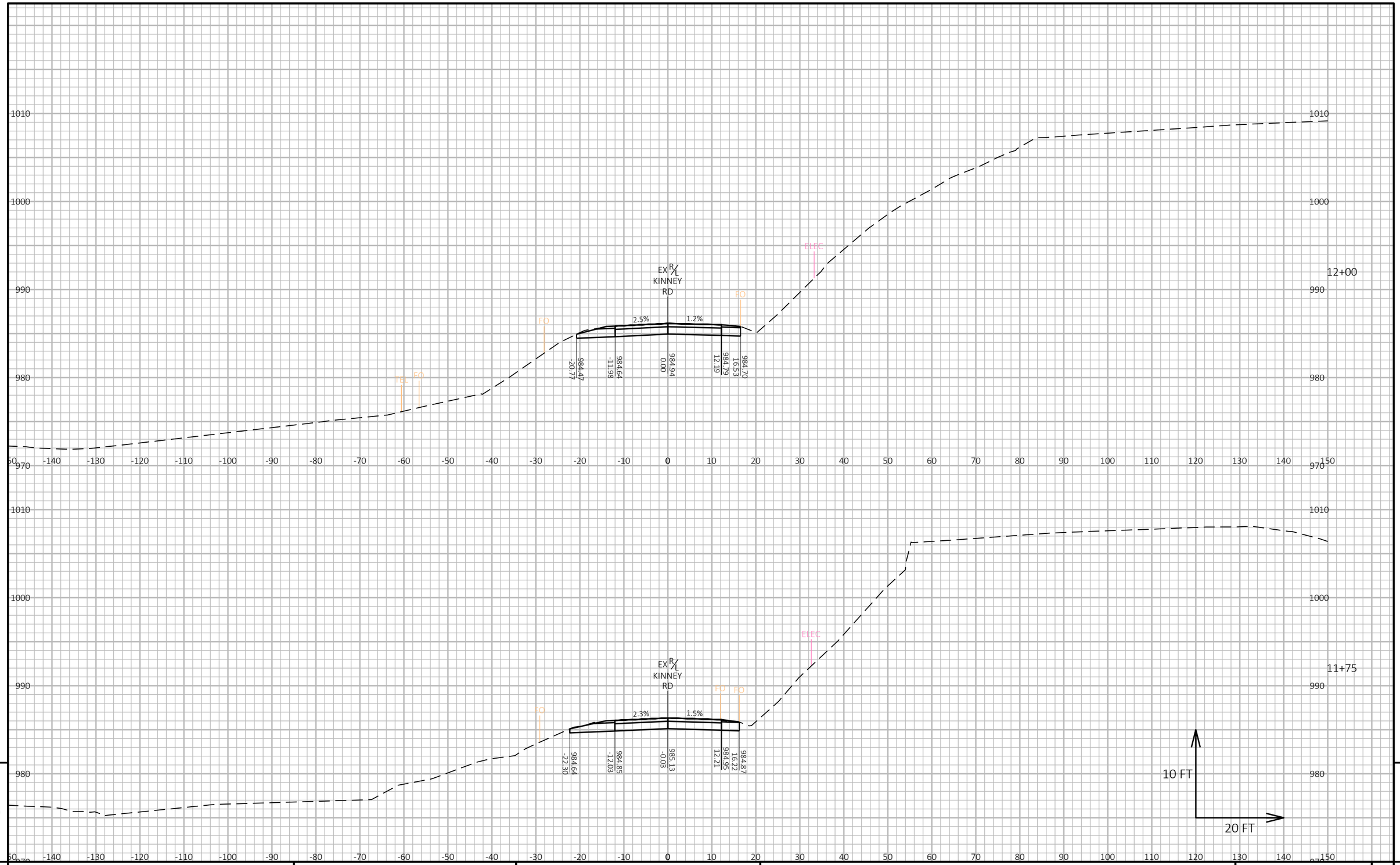
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: KINNEY ROAD	SHEET 538	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090401-XS-KINNEY.DWG
LAYOUT NAME - 090405-xs

PLOT DATE : 3/29/2024 8:43 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: KINNEY ROAD	SHEET 539	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090401-XS-KINNEY.DWG
LAYOUT NAME - 090406-xs

PLOT DATE : 3/29/2024 8:43 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

10+00

EX PIER
FED
EX R/L 100TH ST
EX PIER
EXS
2.3%
2.5%
-12.90 993.81
-10.90 993.85
0.00 994.10
10.98 993.82
18.00 993.68

9+75

EX PIER
FED
EX R/L 100TH ST
EX PIER
EXS
2.3%
2.5%
-12.98 993.70
-10.93 993.74
0.00 994.00
11.01 993.72
20.00 993.54

9+50

EX PIER
FED
EX R/L 100TH ST
EX PIER
EXS
2.4%
2.5%
-19.99 993.42
-11.10 993.68
0.00 993.95
10.80 993.69
15.42 993.59

10 FT
20 FT

9

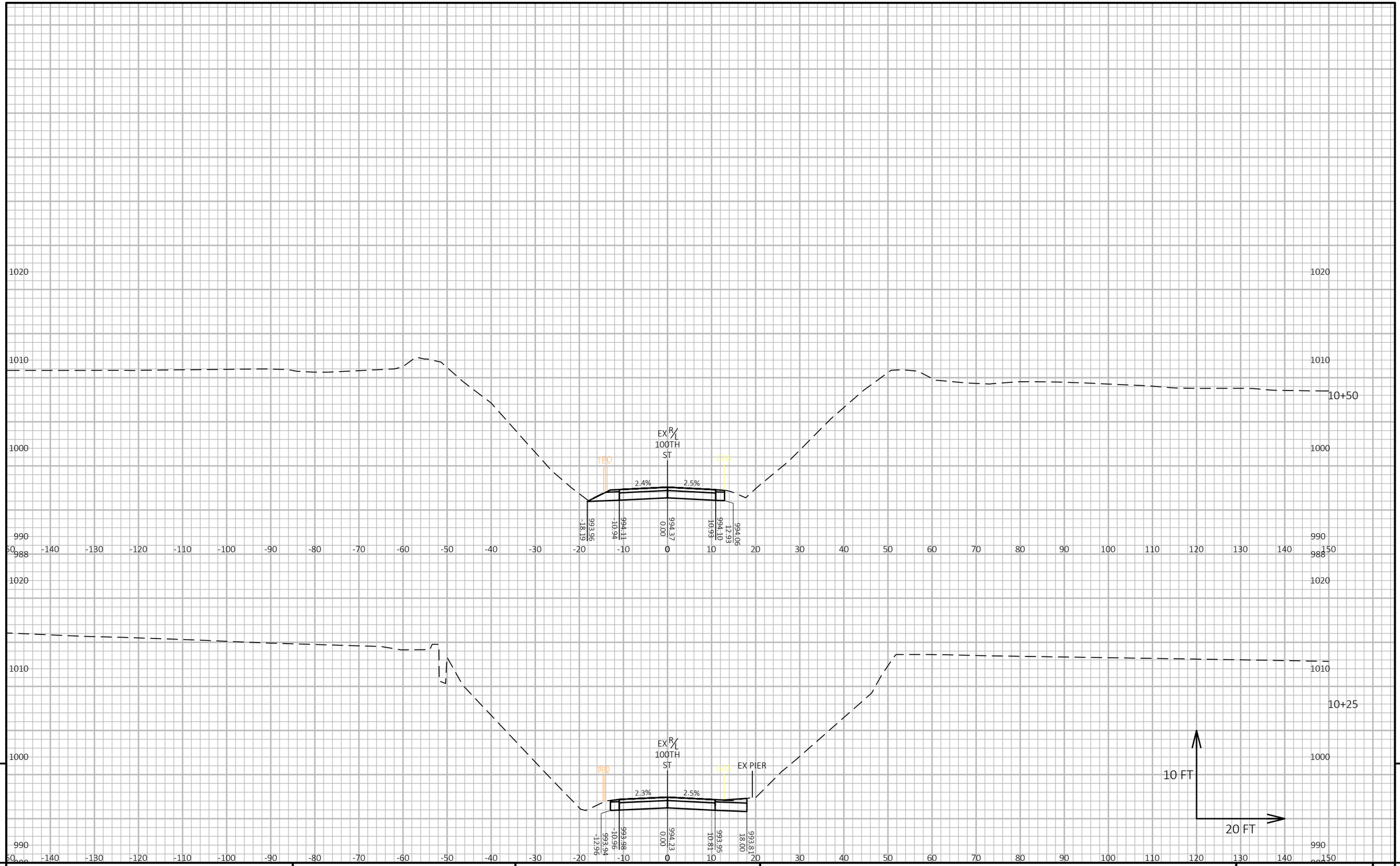
9

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: 100TH STREET	SHEET 540	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090450-XS-100TH.DWG
LAYOUT NAME - 090450-xs

PLOT DATE : 3/29/2024 8:46 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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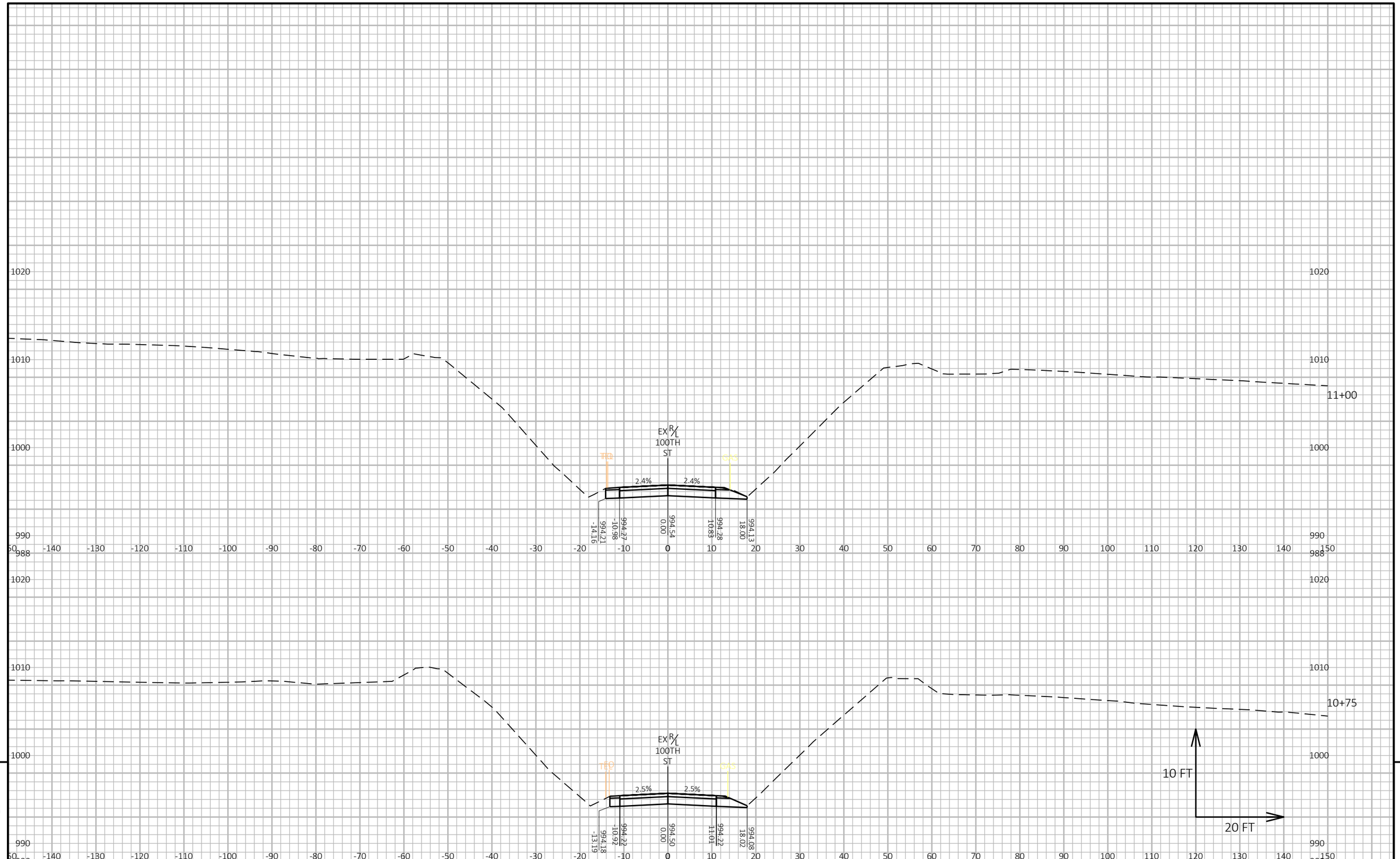
9

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: 100TH STREET	SHEET 541	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090450-XS-100TH.DWG
LAYOUT NAME - 090451-xs

PLOT DATE : 3/29/2024 8:46 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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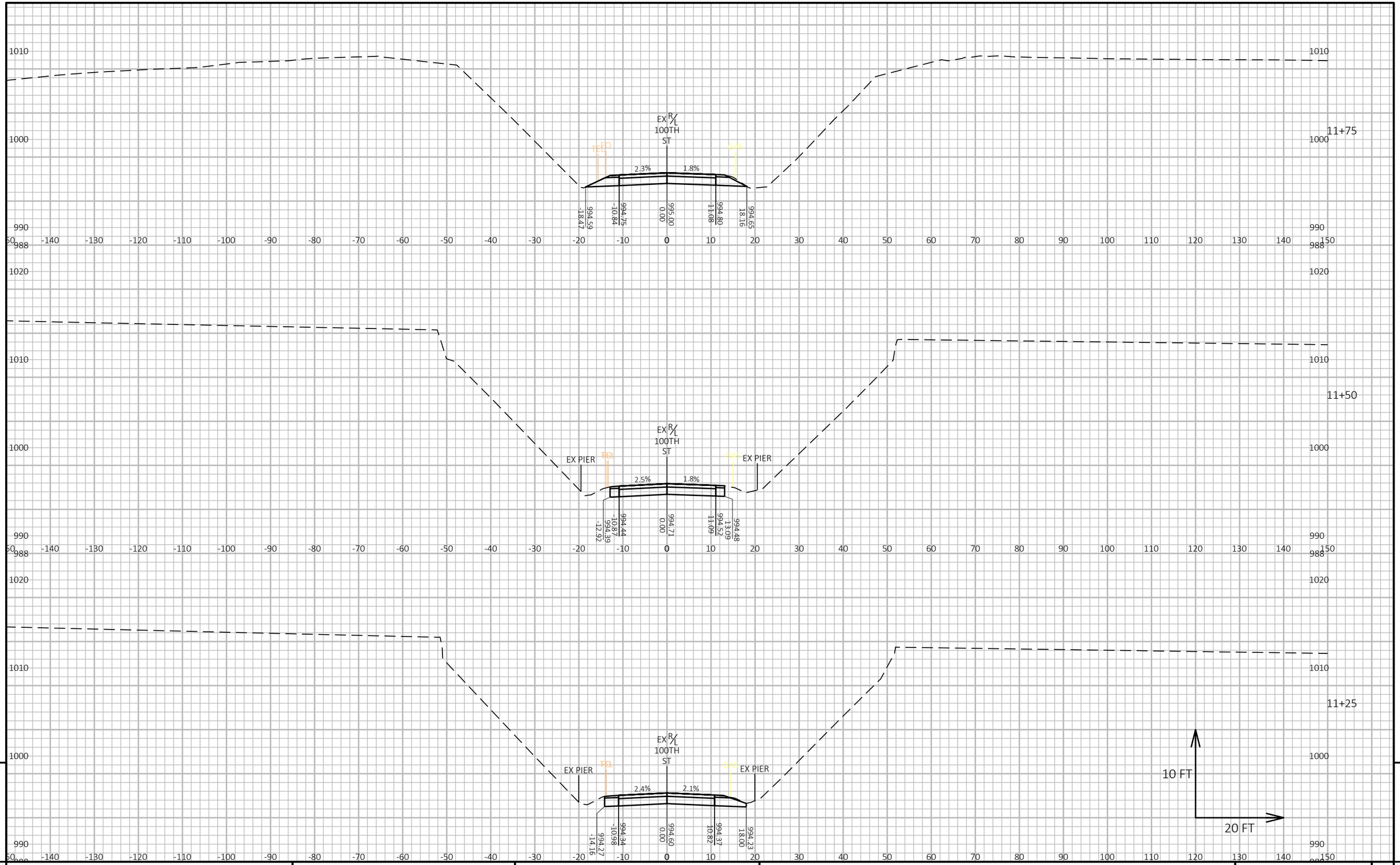
9

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: 100TH STREET	SHEET 542	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090450-XS-100TH.DWG
LAYOUT NAME - 090452-xs

PLOT DATE : 3/29/2024 8:46 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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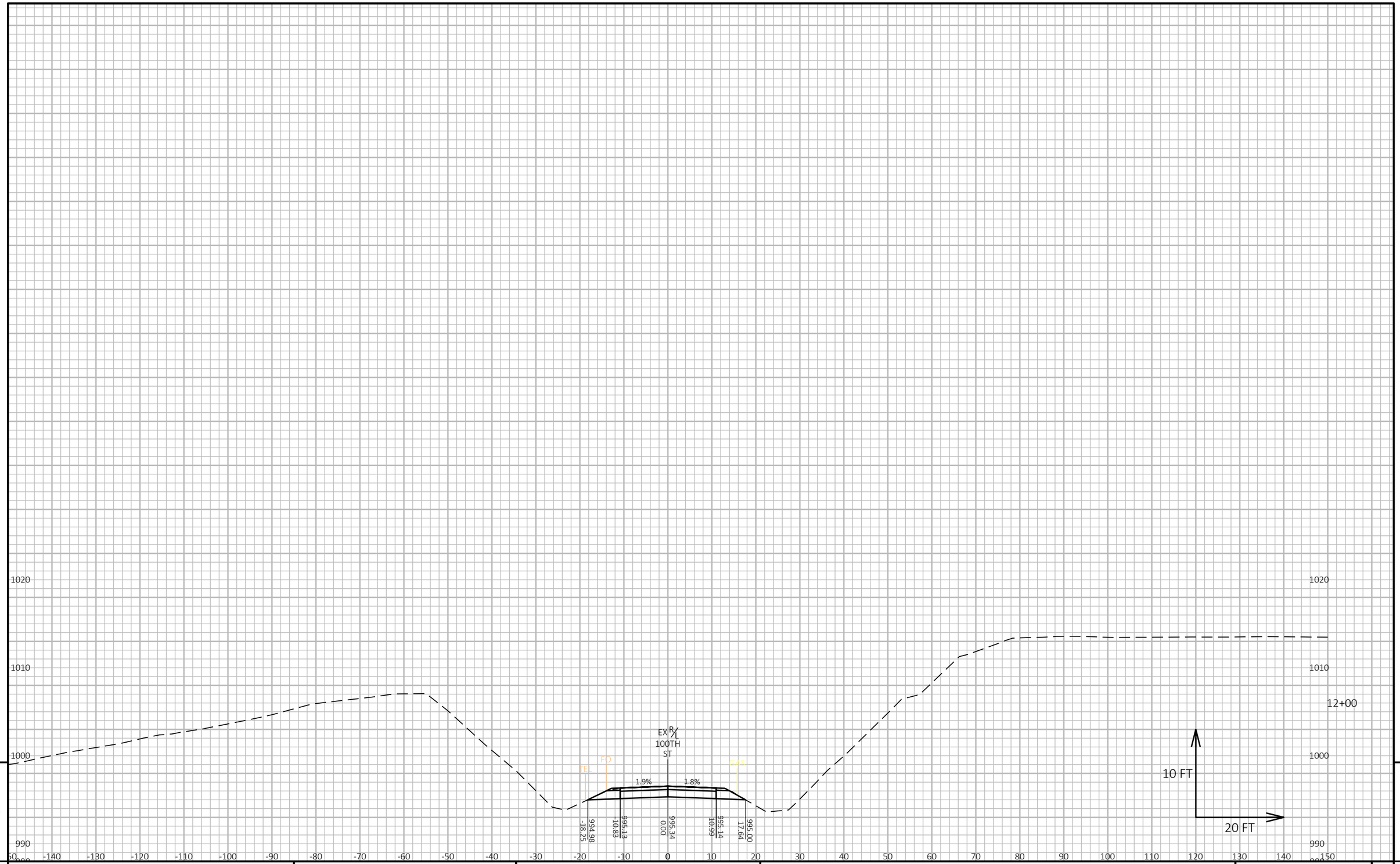
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: 100TH STREET	SHEET 543	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090450-XS-100TH.DWG
LAYOUT NAME - 090453-xs

PLOT DATE : 3/29/2024 8:46 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

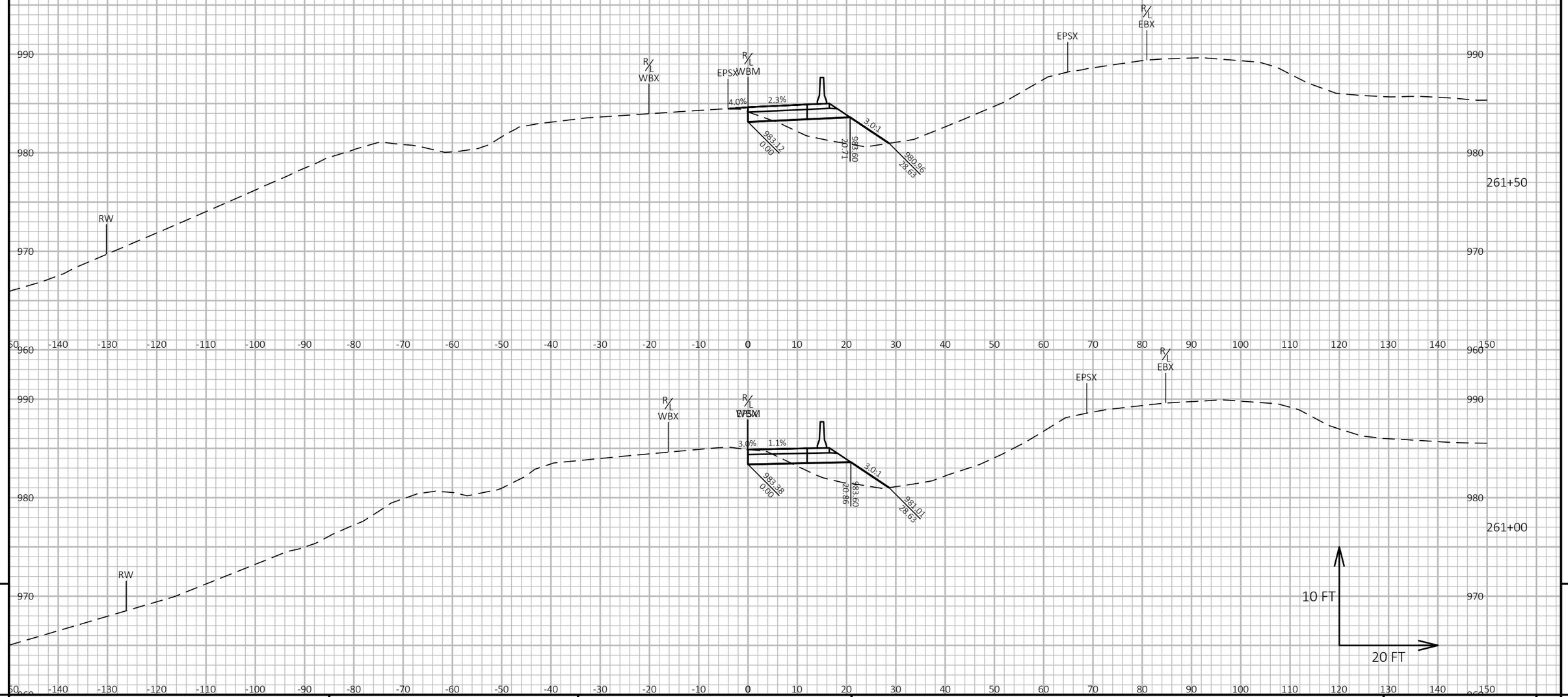
9

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: 100TH STREET	SHEET 544	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090450-XS-100TH.DWG
LAYOUT NAME - 090454-xs

PLOT DATE : 3/29/2024 8:46 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

NOTE
EPSX = EXISTING EDGE OF PAVED SHOULDER
EPSP = PROPOSED EDGE OF PAVED SHOULDER
SGSP = PROPOSED SUBGRADE SHOULDER POINT
ETW = PROPOSED EDGE OF TRAVEL



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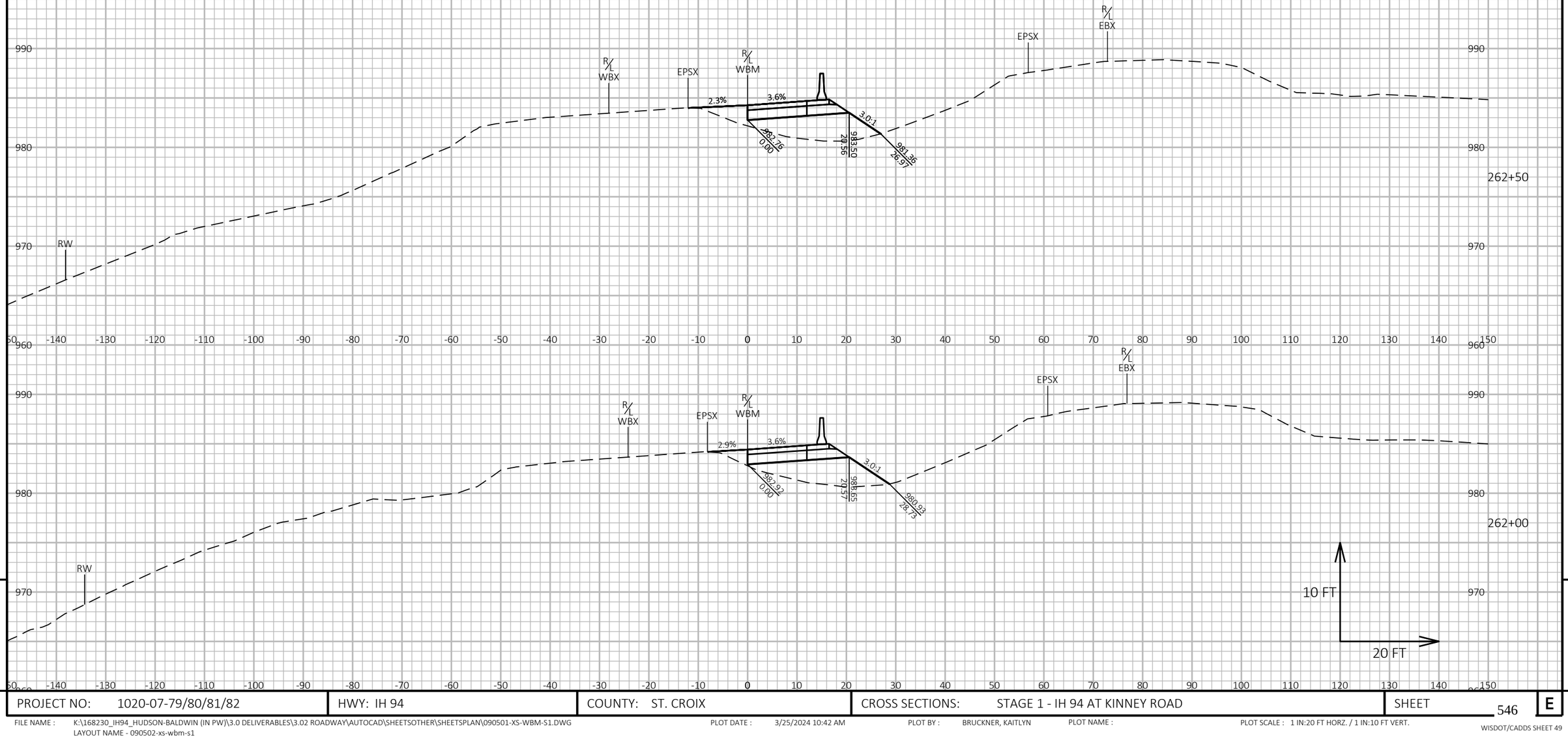
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 545	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090501-xs-wbm-s1
PLOT DATE : 3/25/2024 10:41 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



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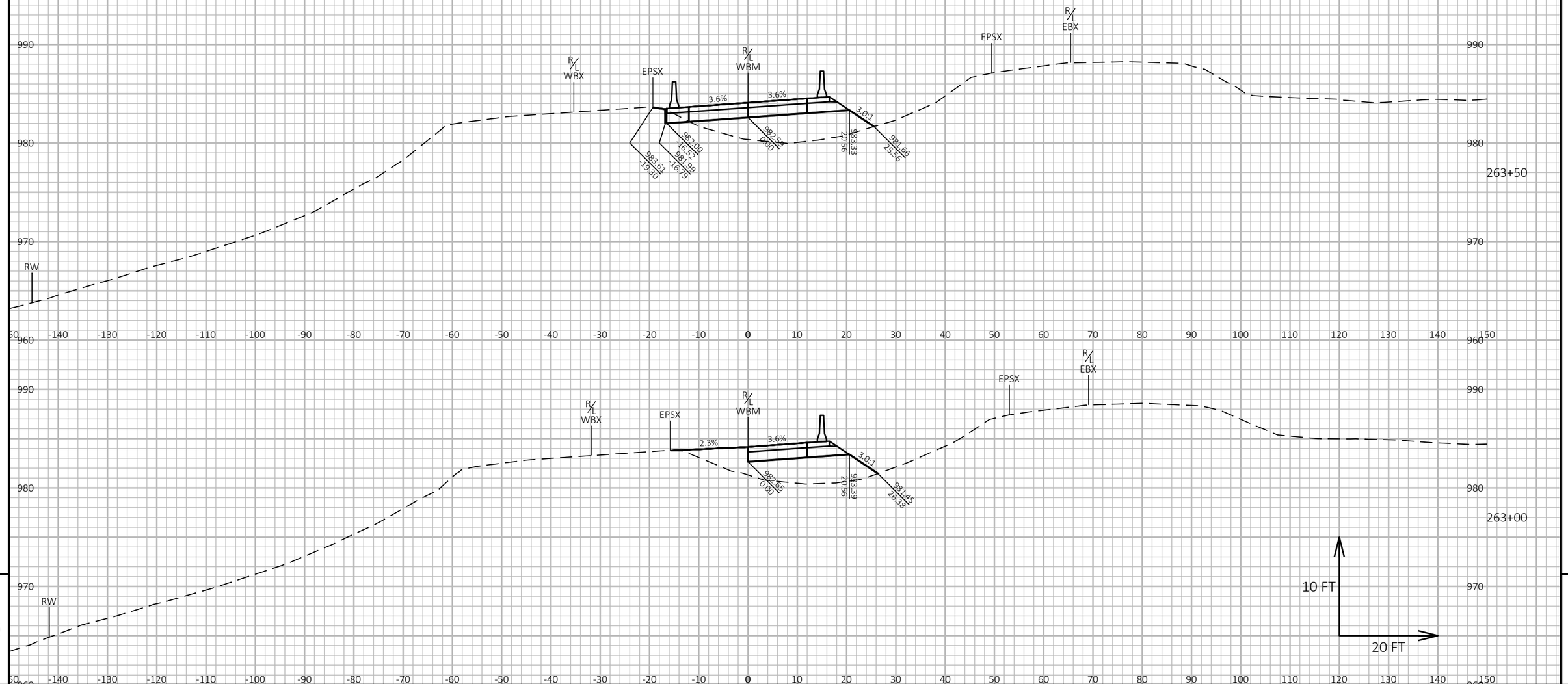
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 546	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090502-xs-wbm-s1

PLOT DATE : 3/25/2024 10:42 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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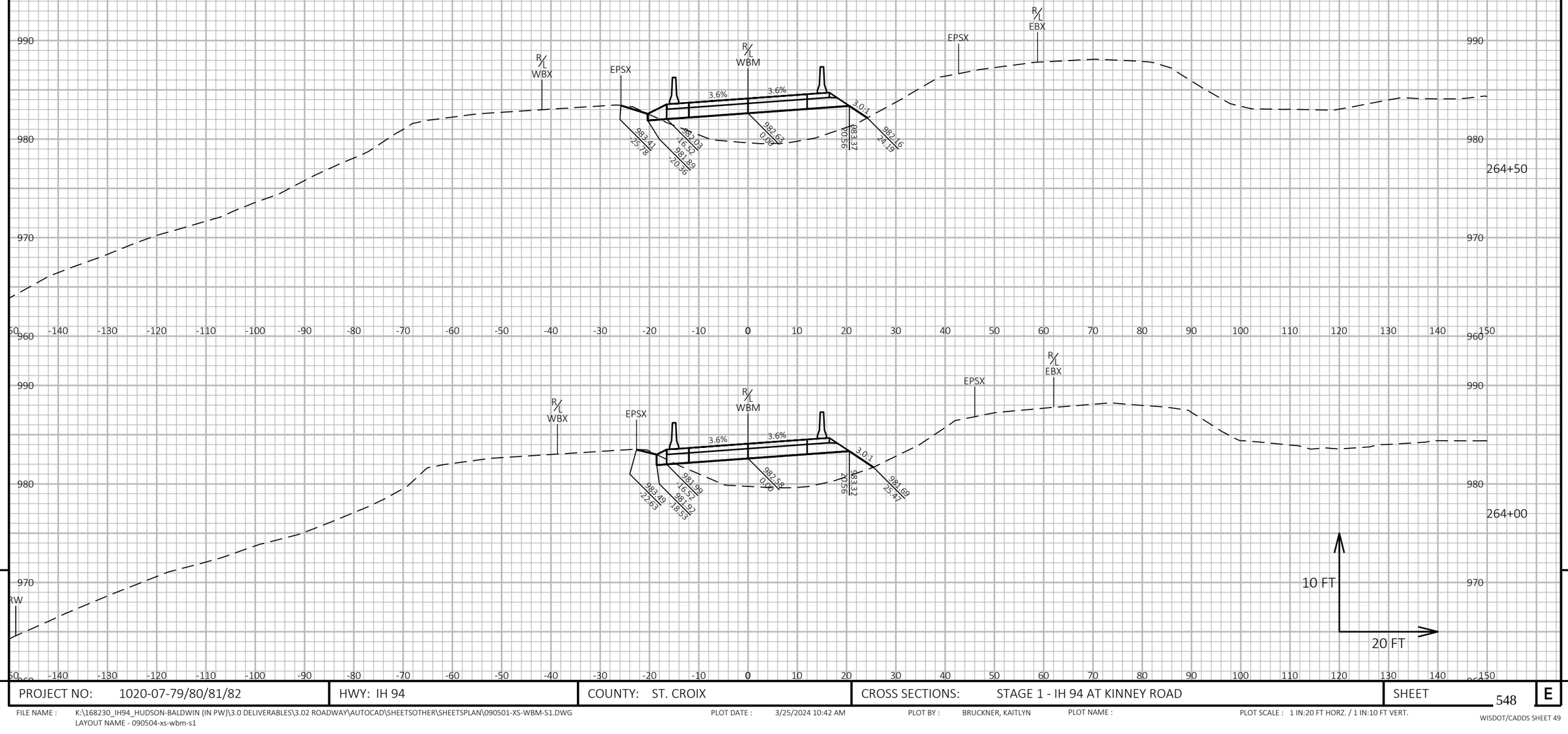
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 547	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090503-xs-wbm-s1

PLOT DATE : 3/25/2024 10:42 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

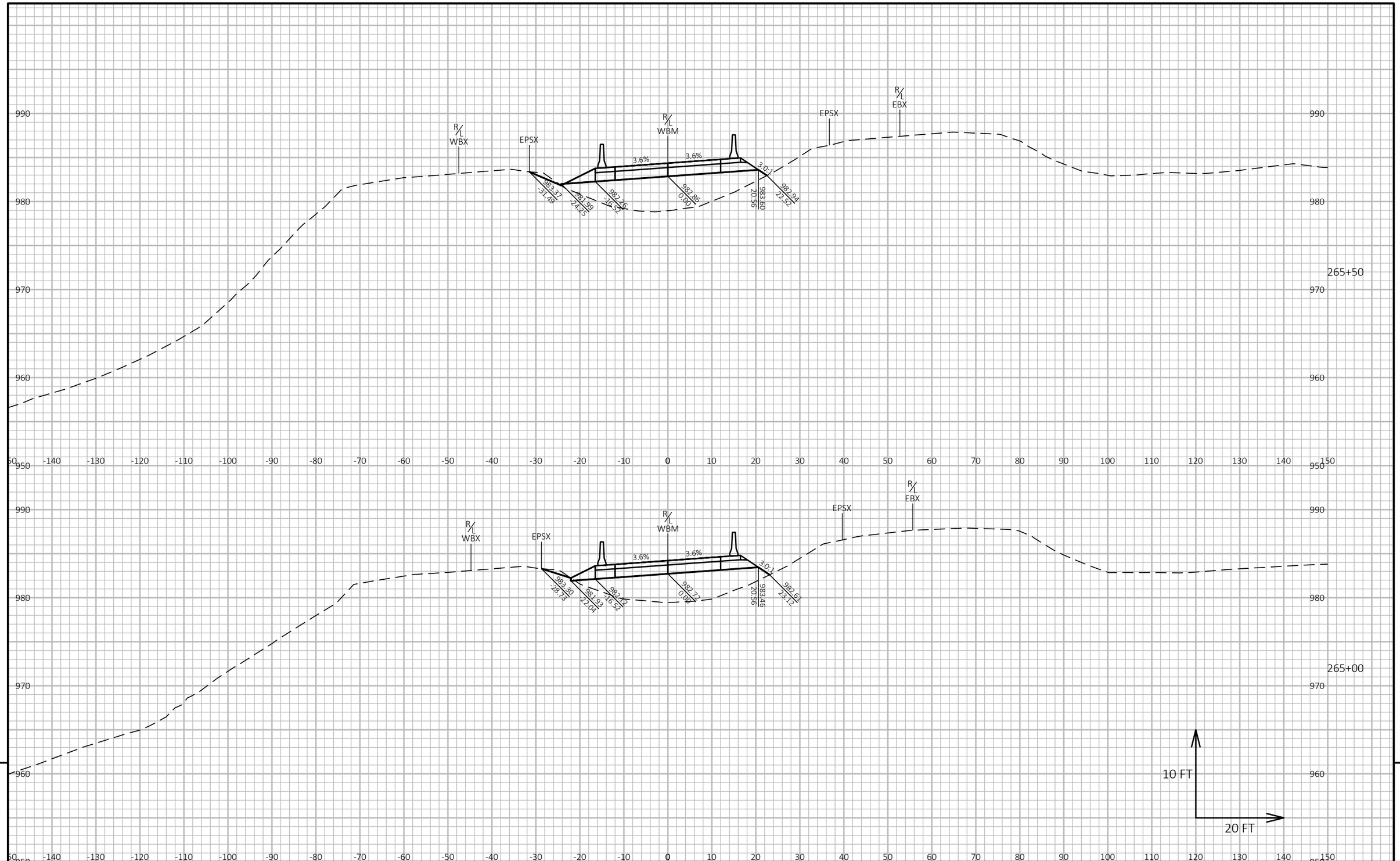


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 548 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090504-xs-wbm-s1

PLOT DATE : 3/25/2024 10:42 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

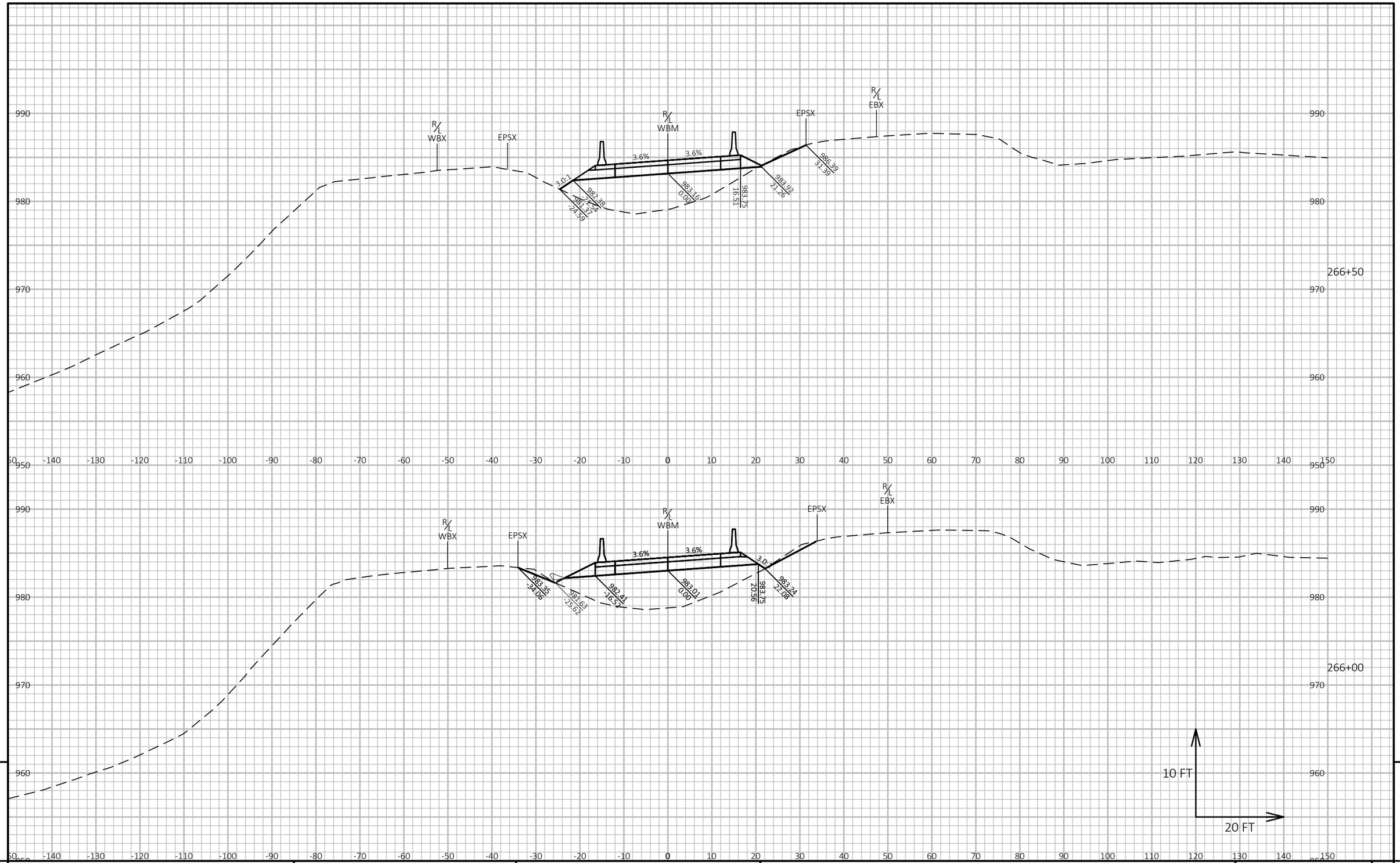
WISDOT/CADDS SHEET 49



PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 549	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090505-xs-wbm-s1

PLOT DATE : 3/25/2024 10:42 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

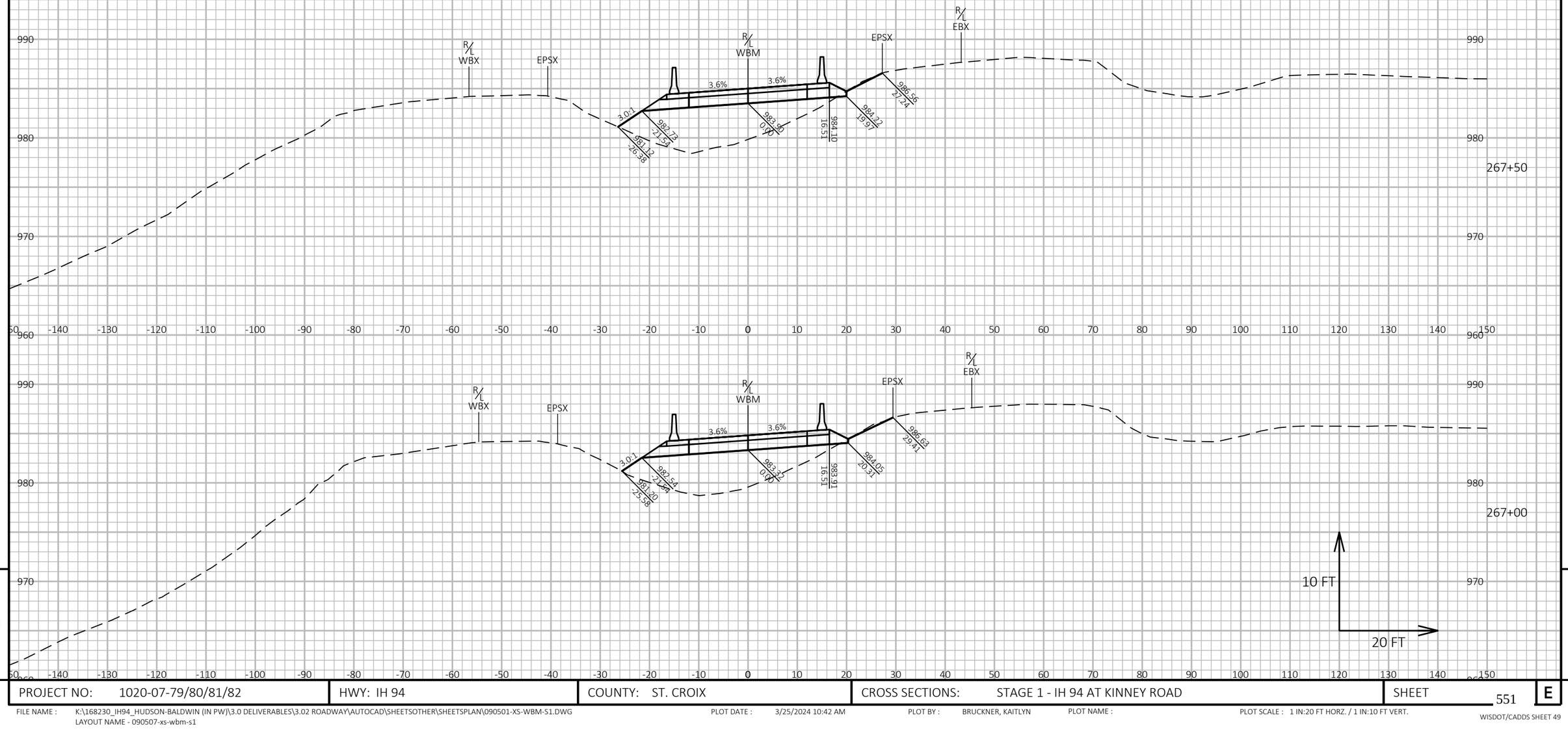


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 550	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090506-xs-wbm-s1

PLOT DATE : 3/25/2024 10:42 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

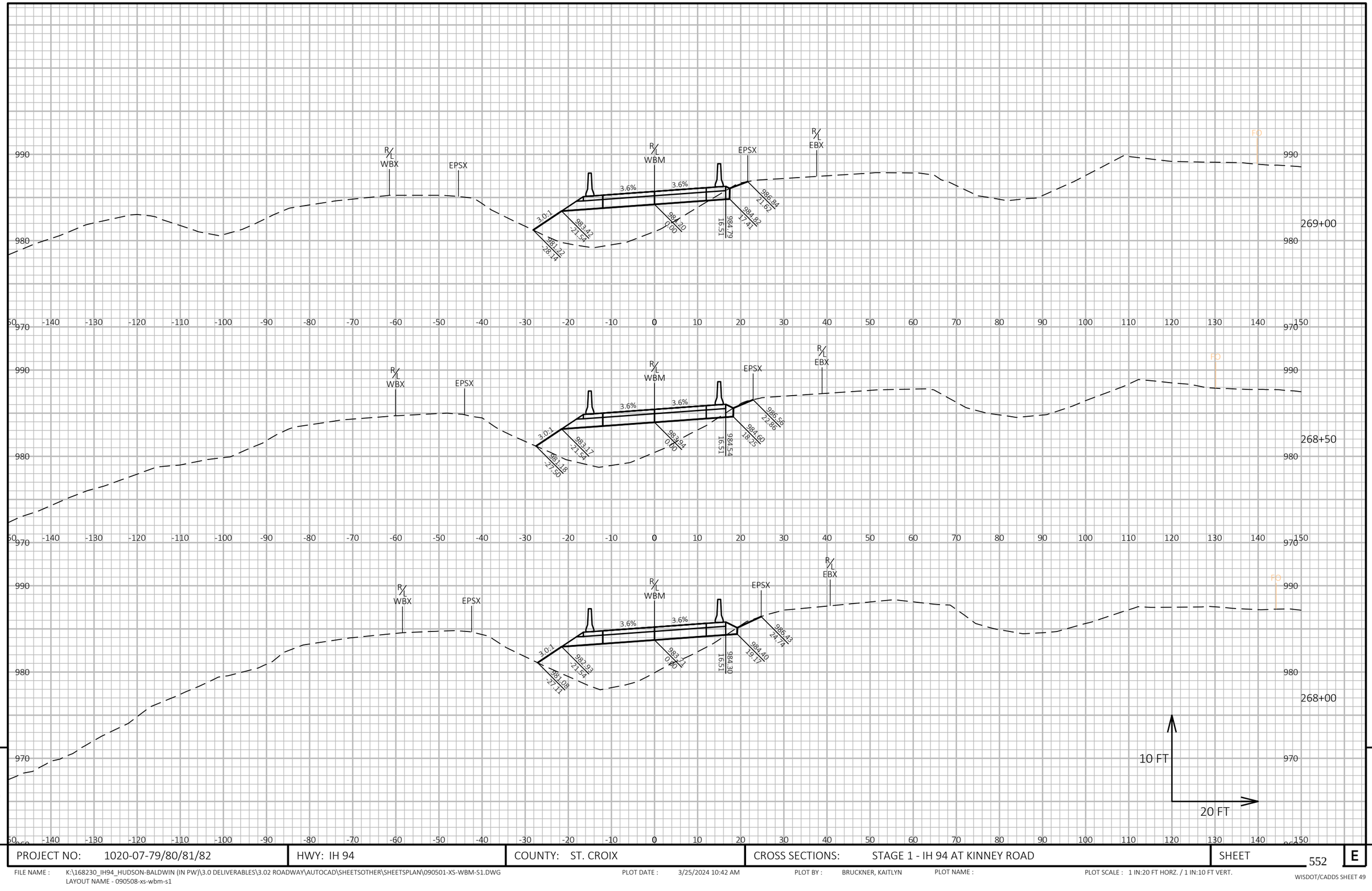


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 551 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090507-xs-wbm-s1

PLOT DATE : 3/25/2024 10:42 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

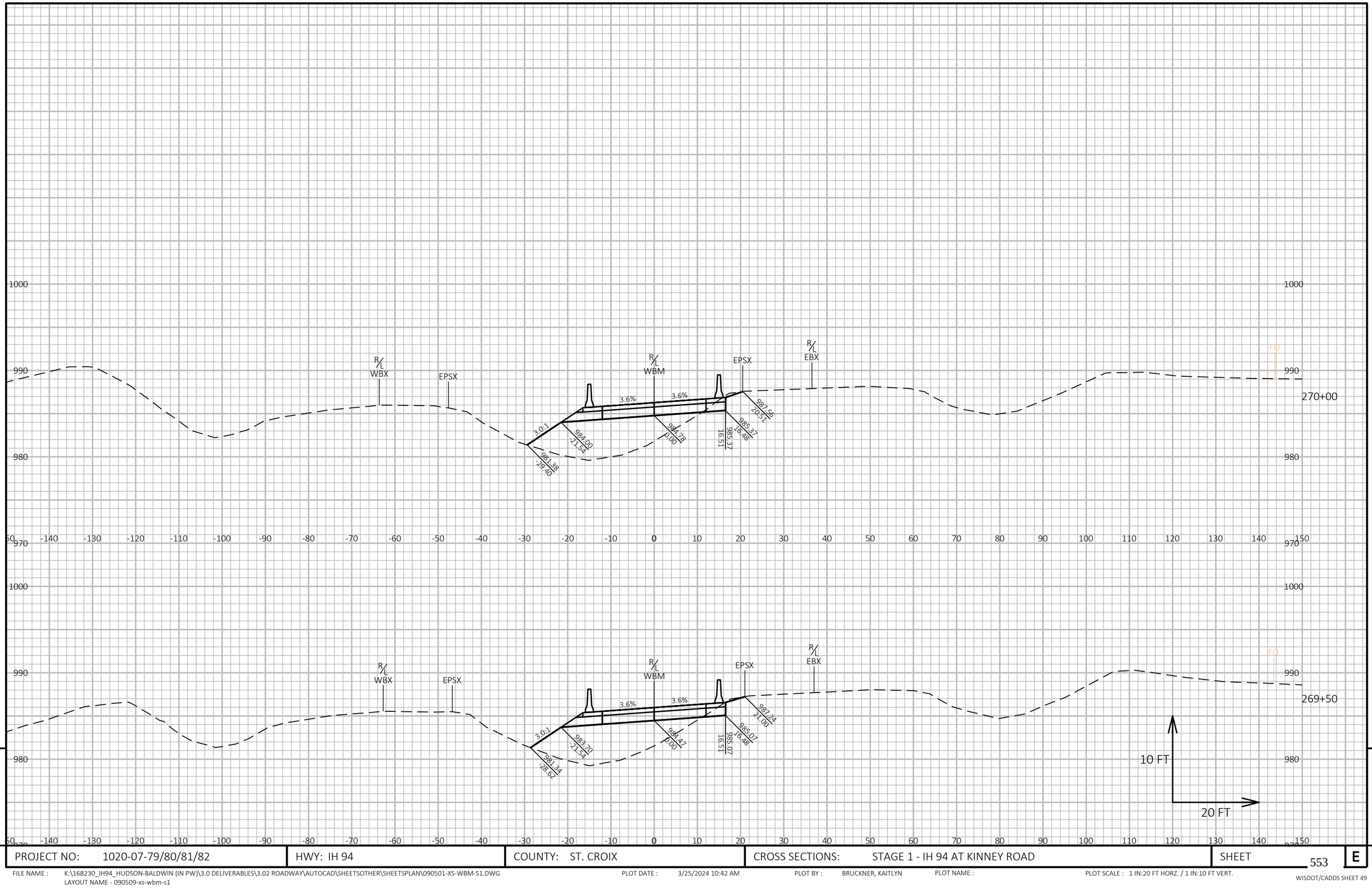


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 552	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090508-xs-wbm-s1

PLOT DATE : 3/25/2024 10:42 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

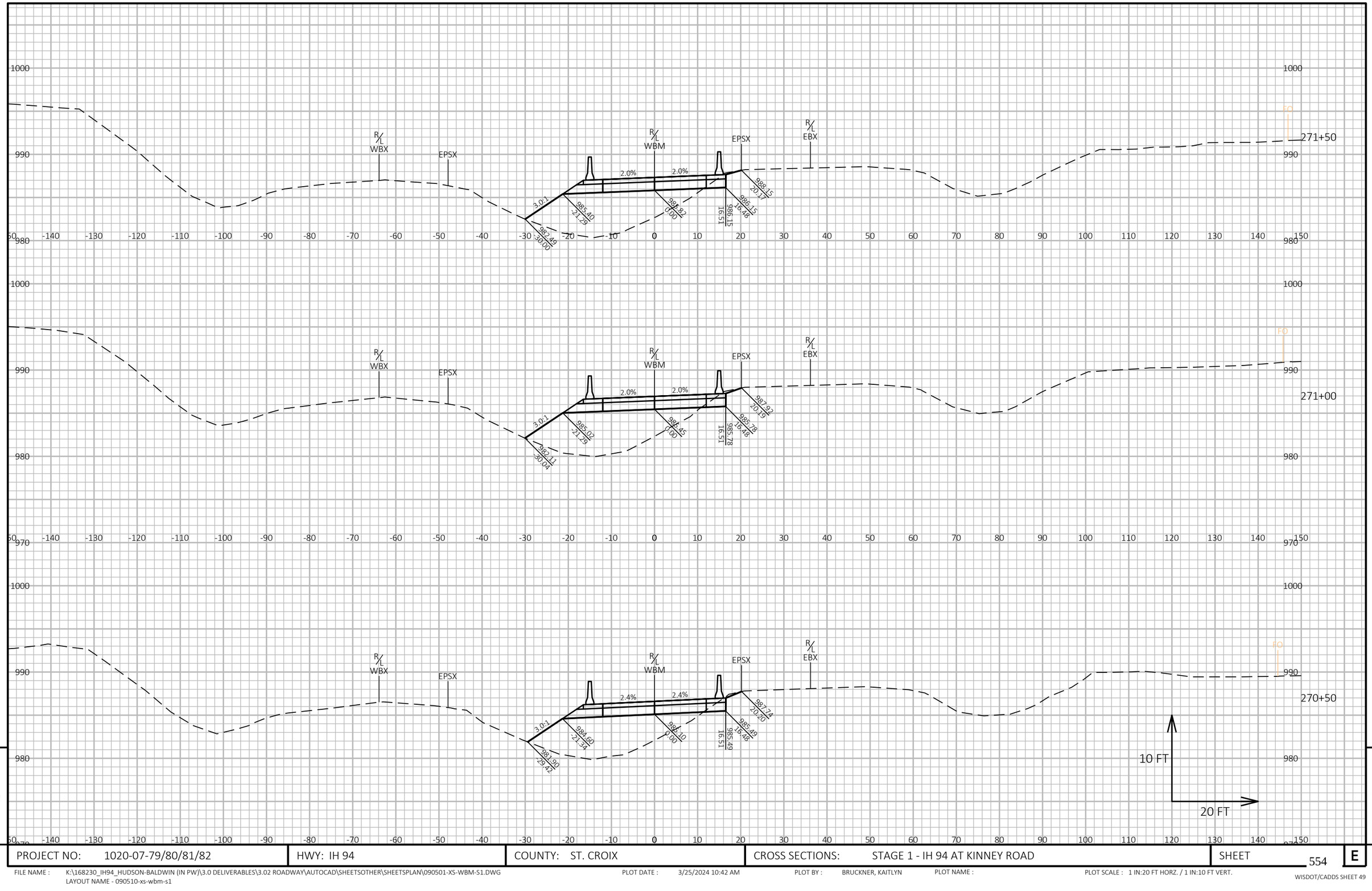


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 553	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090509-xs-wbm-s1

PLOT DATE : 3/25/2024 10:42 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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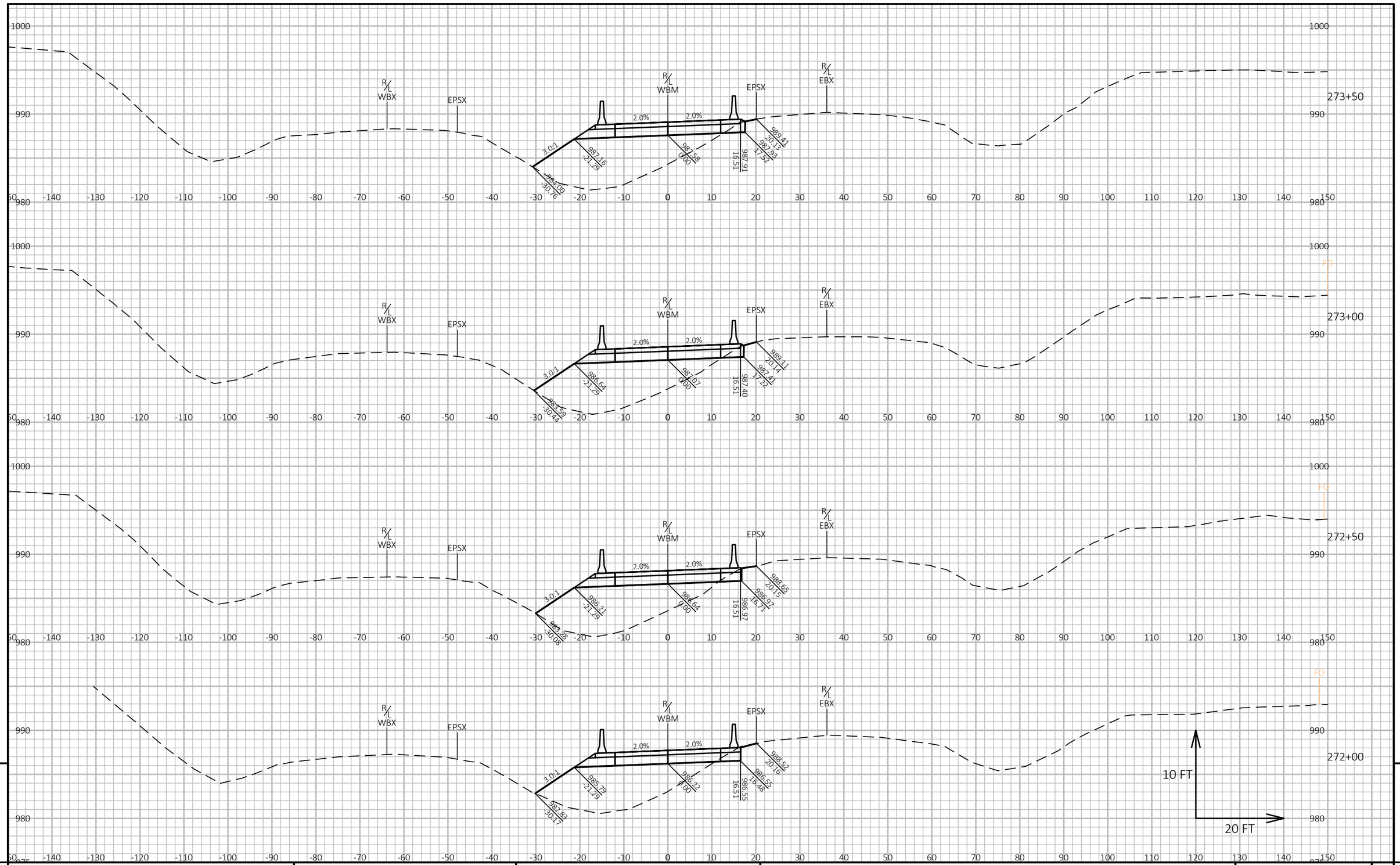
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 554	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090510-xs-wbm-s1

PLOT DATE : 3/25/2024 10:42 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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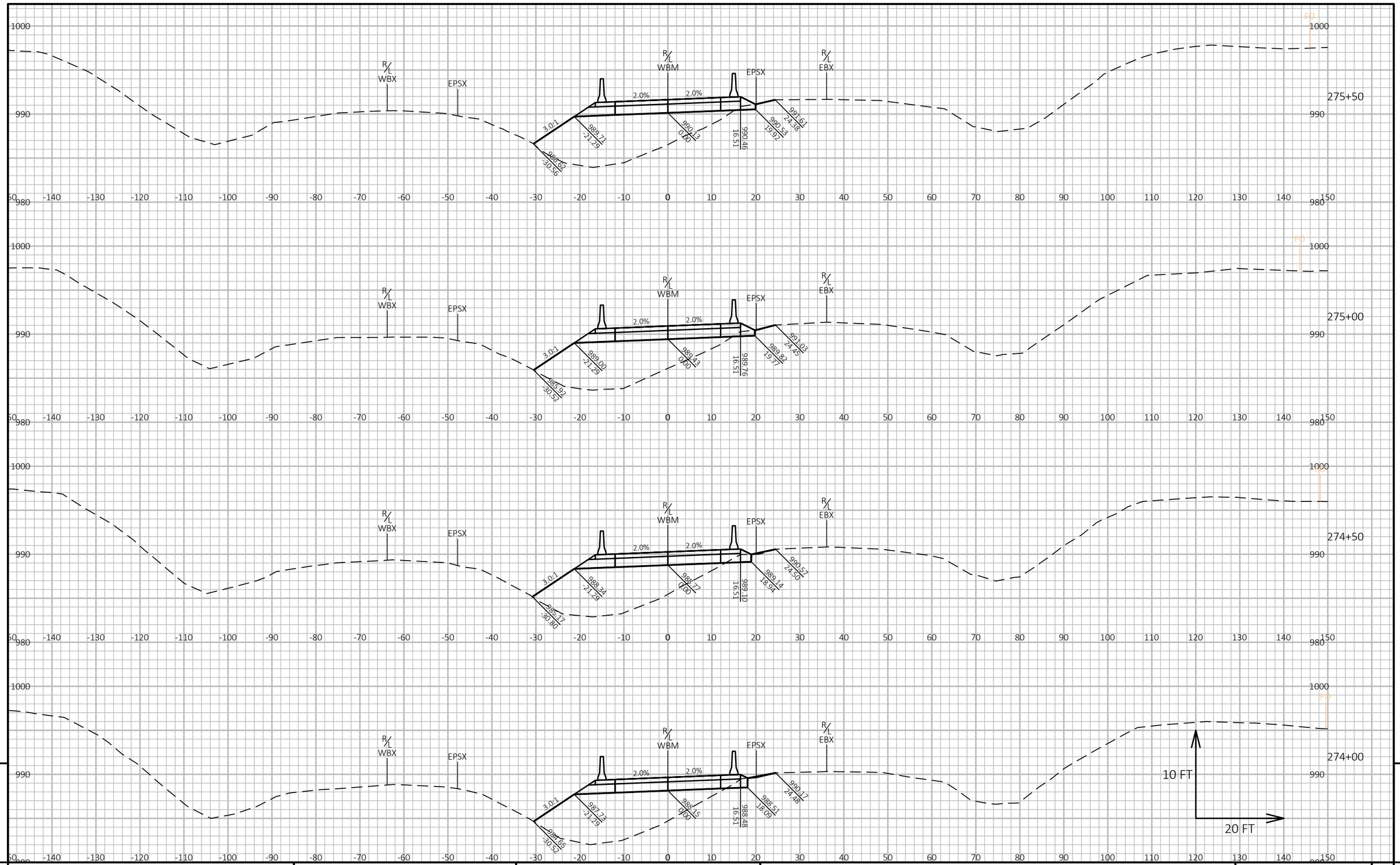
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 555	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090511-xs-wbm-s1

PLOT DATE : 3/25/2024 10:42 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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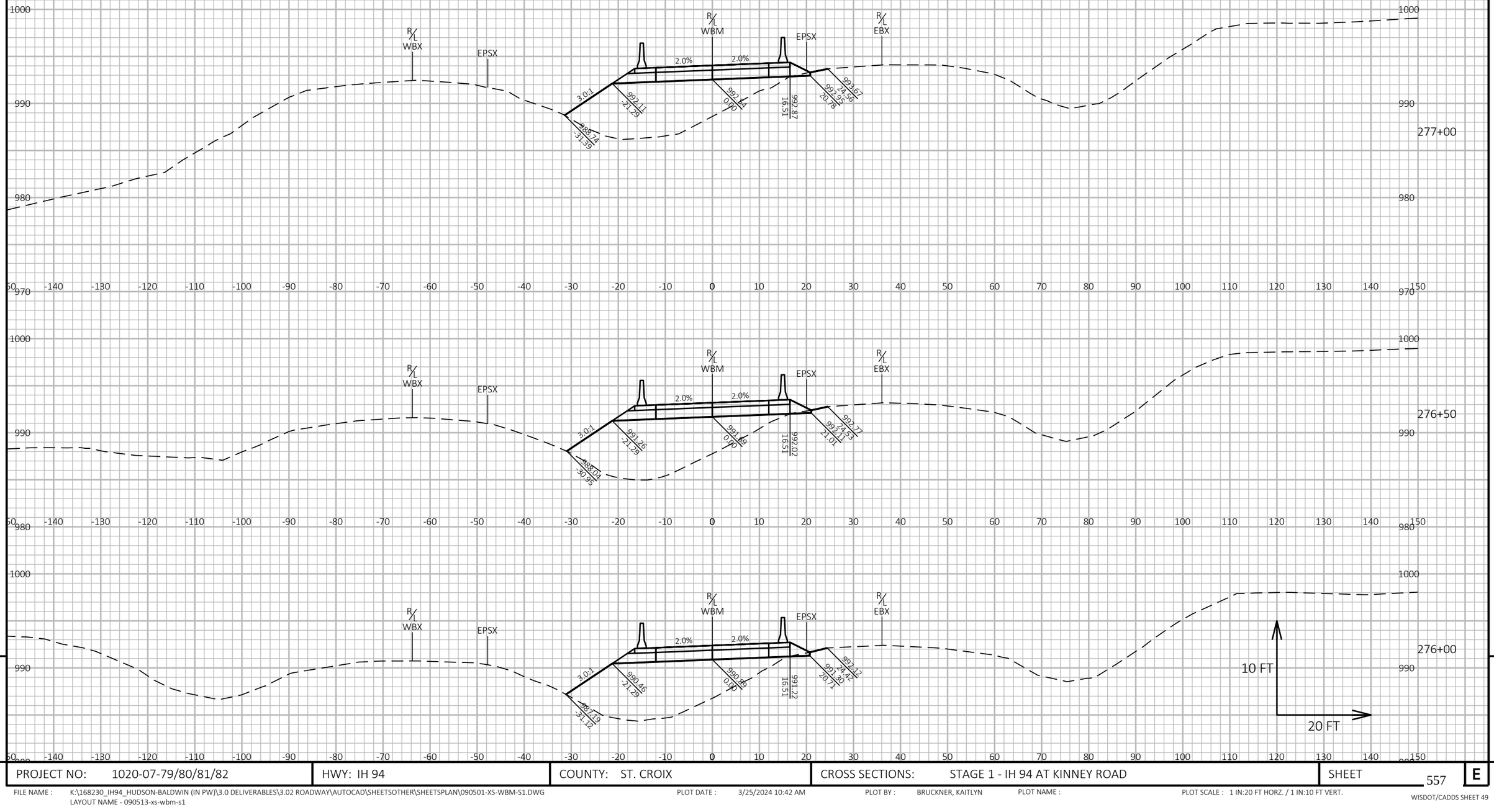
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 556	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090512-xs-wbm-s1

PLOT DATE : 3/25/2024 10:42 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

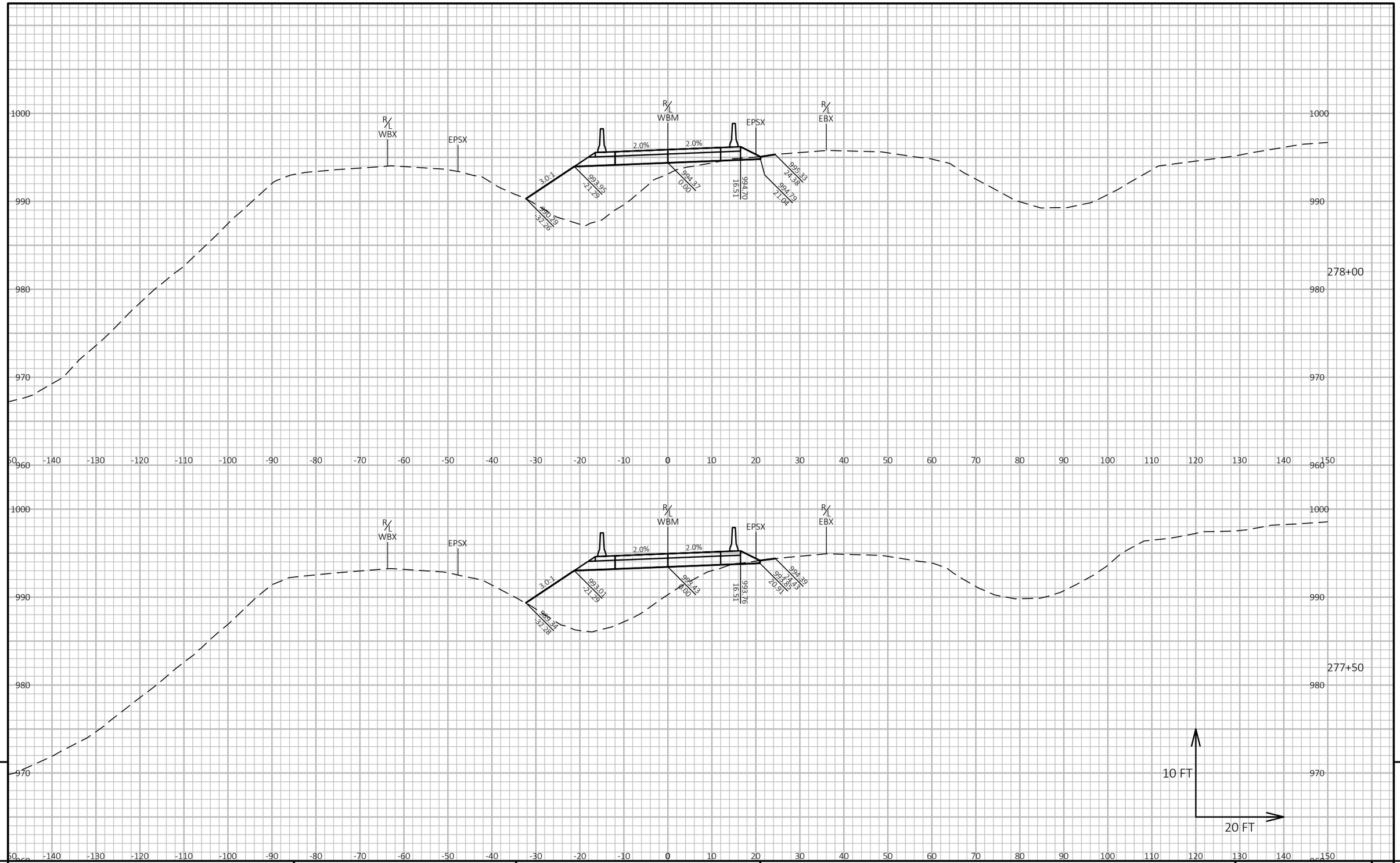


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 557	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090513-xs-wbm-s1

PLOT DATE : 3/25/2024 10:42 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

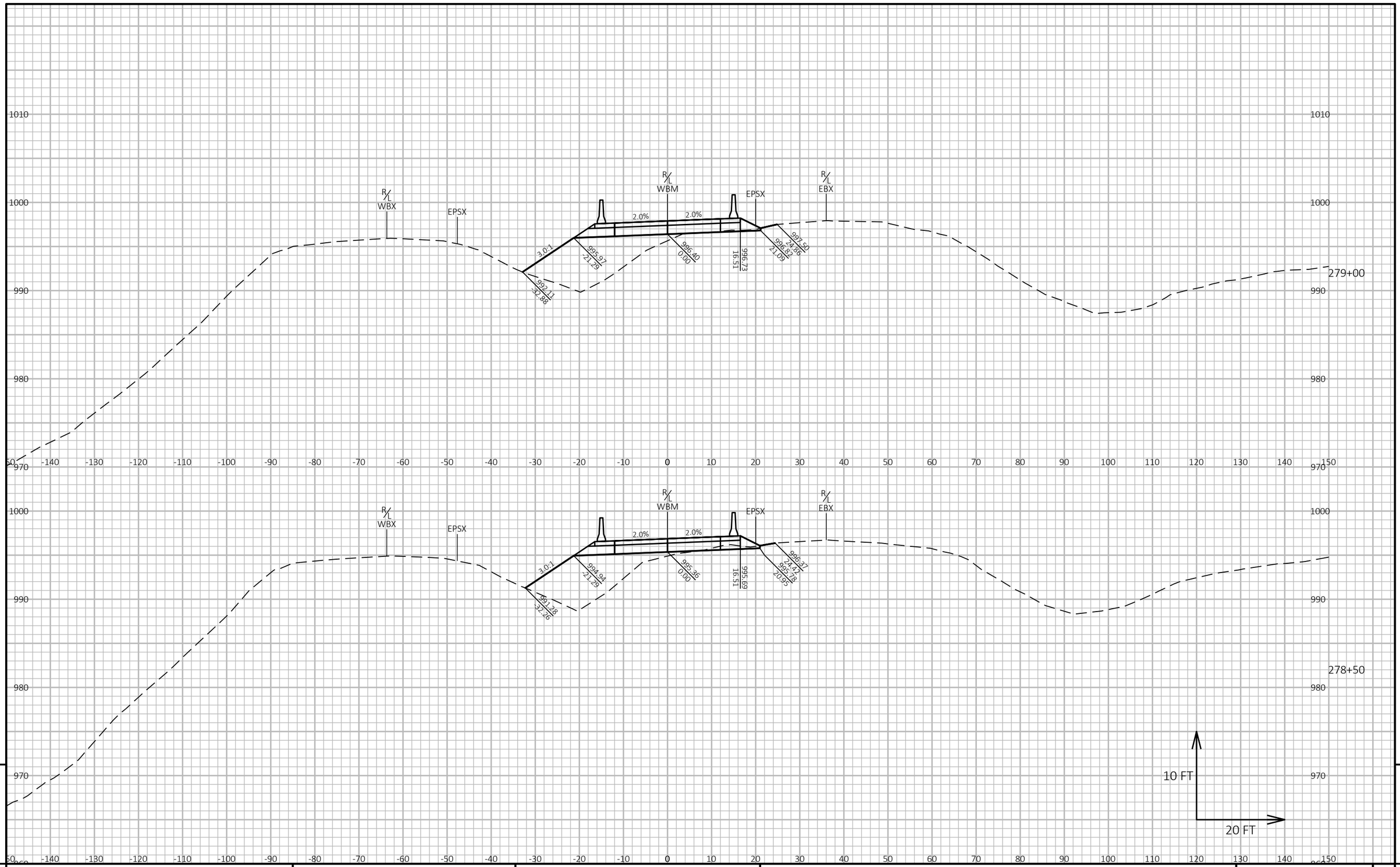


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 558	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090514-xs-wbm-s1

PLOT DATE : 3/25/2024 10:43 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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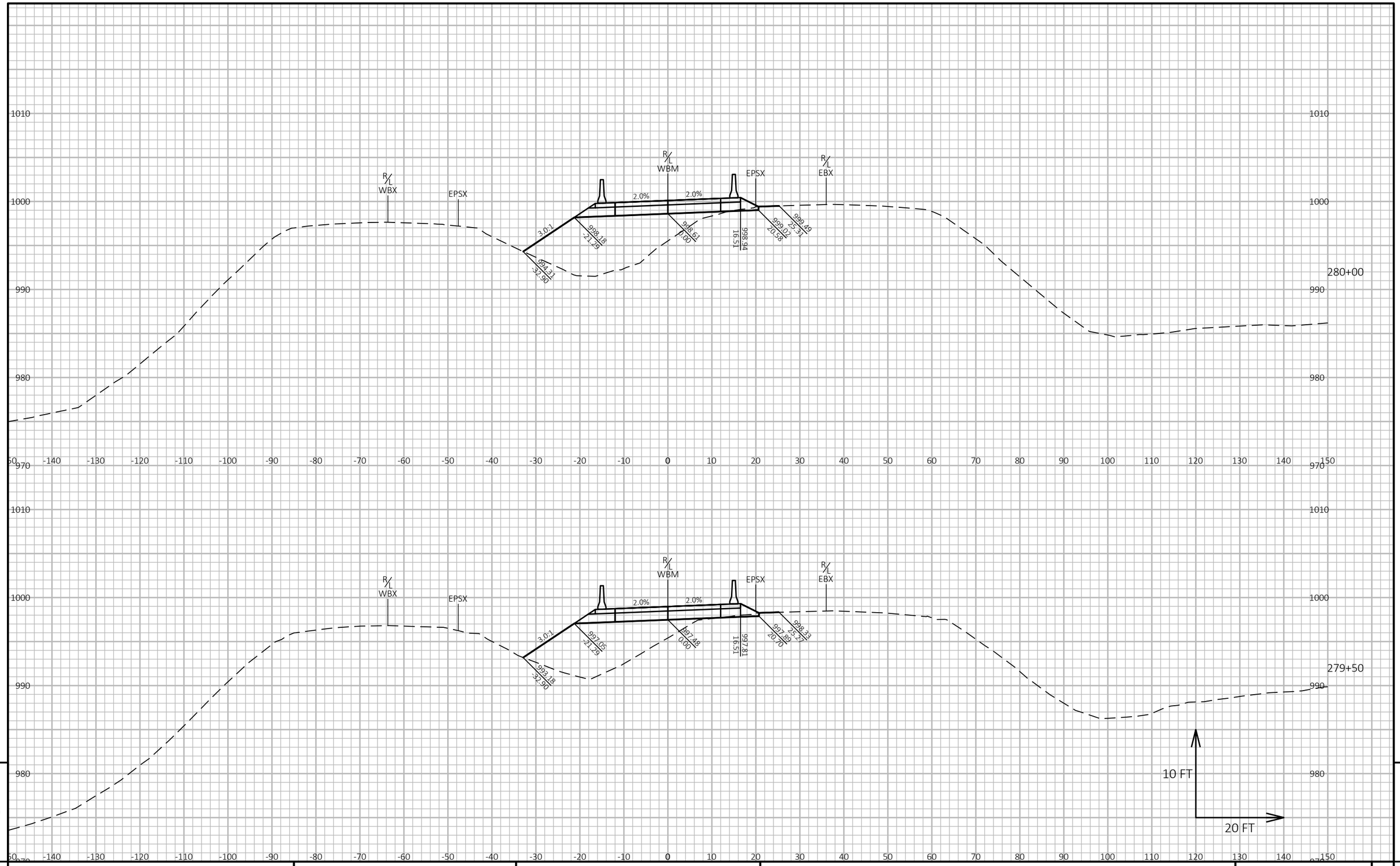
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 559	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090515-xs-wbm-s1

PLOT DATE : 3/25/2024 10:43 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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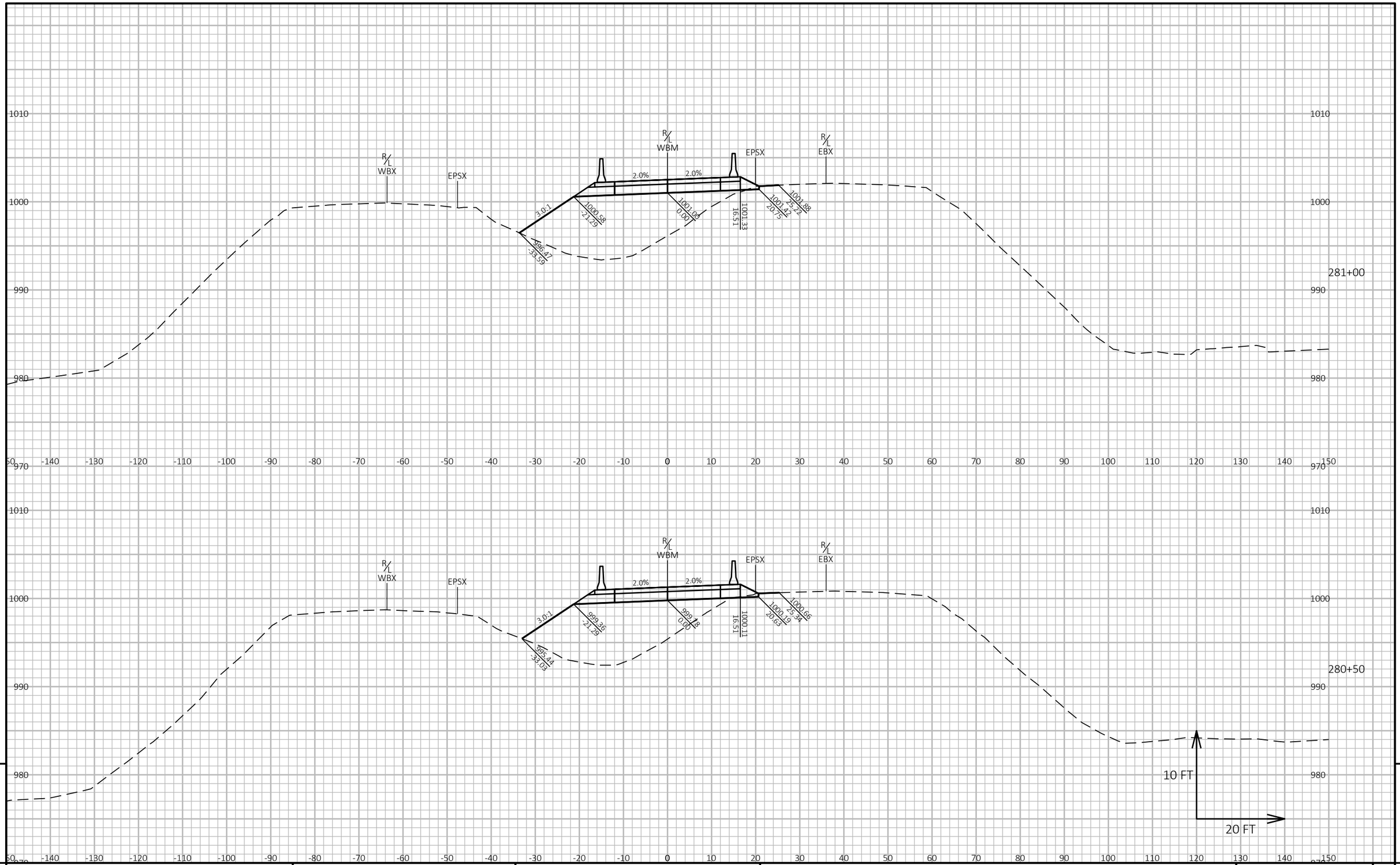
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 560	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090516-xs-wbm-s1

PLOT DATE : 3/25/2024 10:43 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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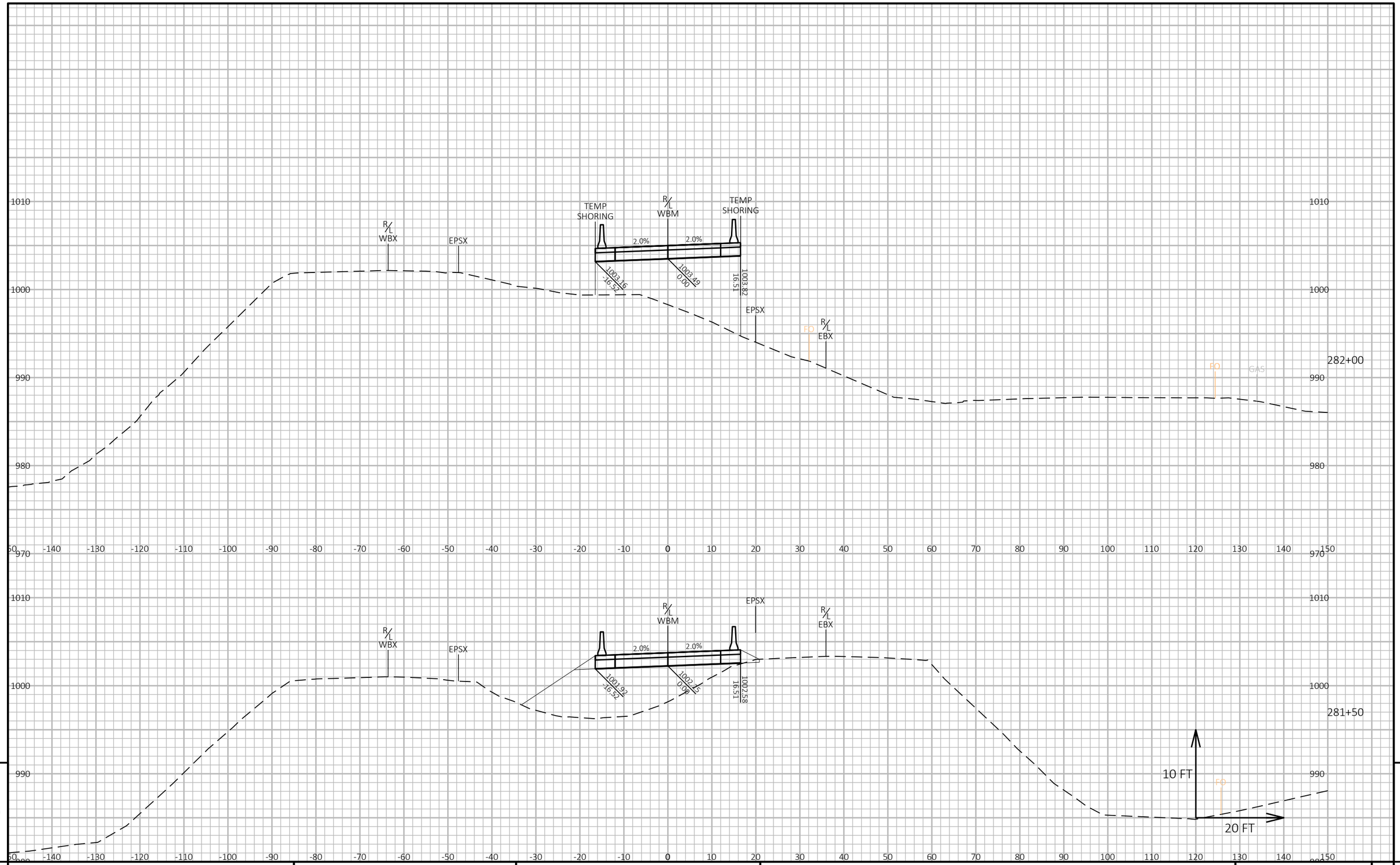
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 561	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090517-xs-wbm-s1

PLOT DATE : 3/25/2024 10:43 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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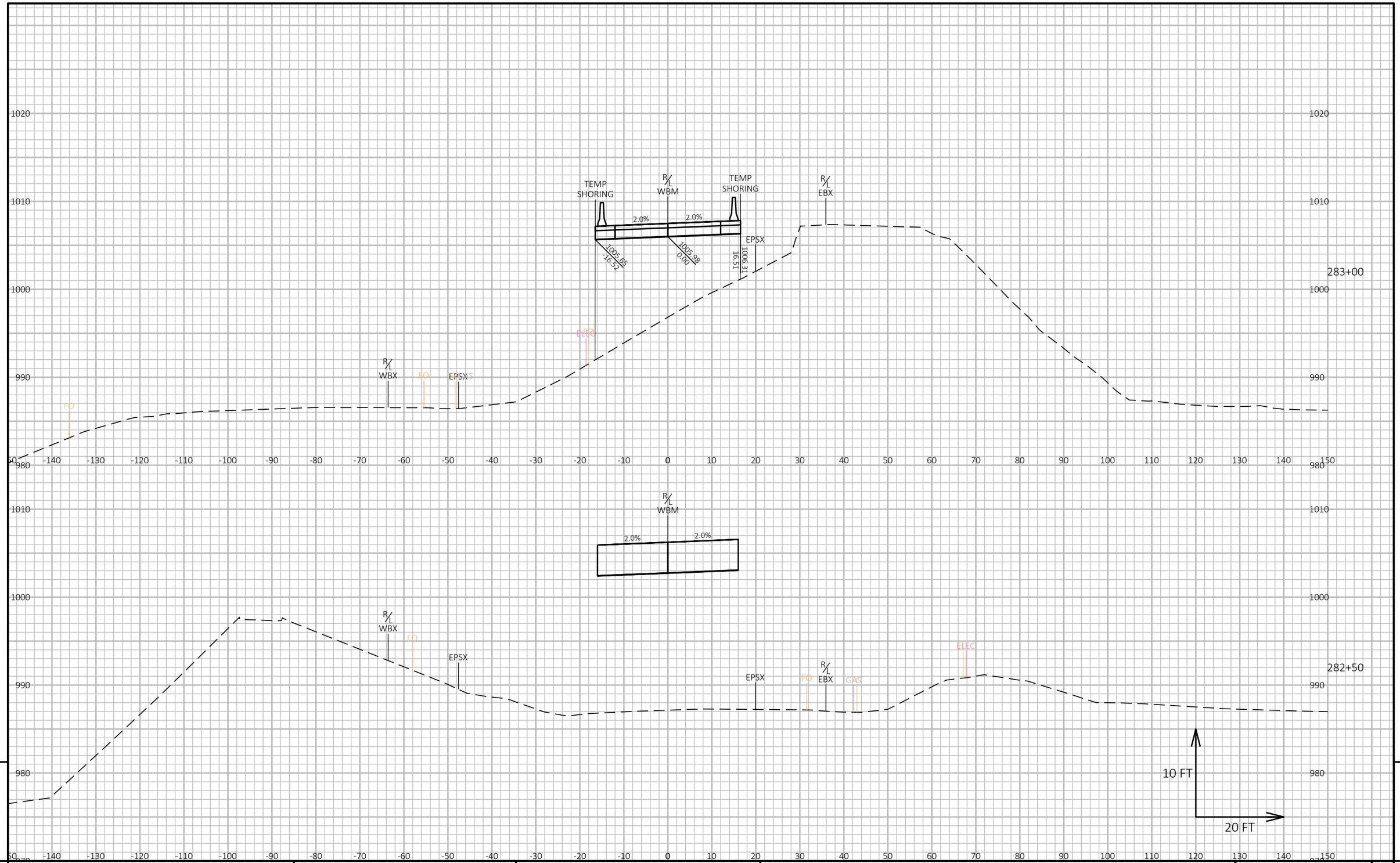
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 562	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090518-xs-wbm-s1

PLOT DATE : 3/25/2024 10:43 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

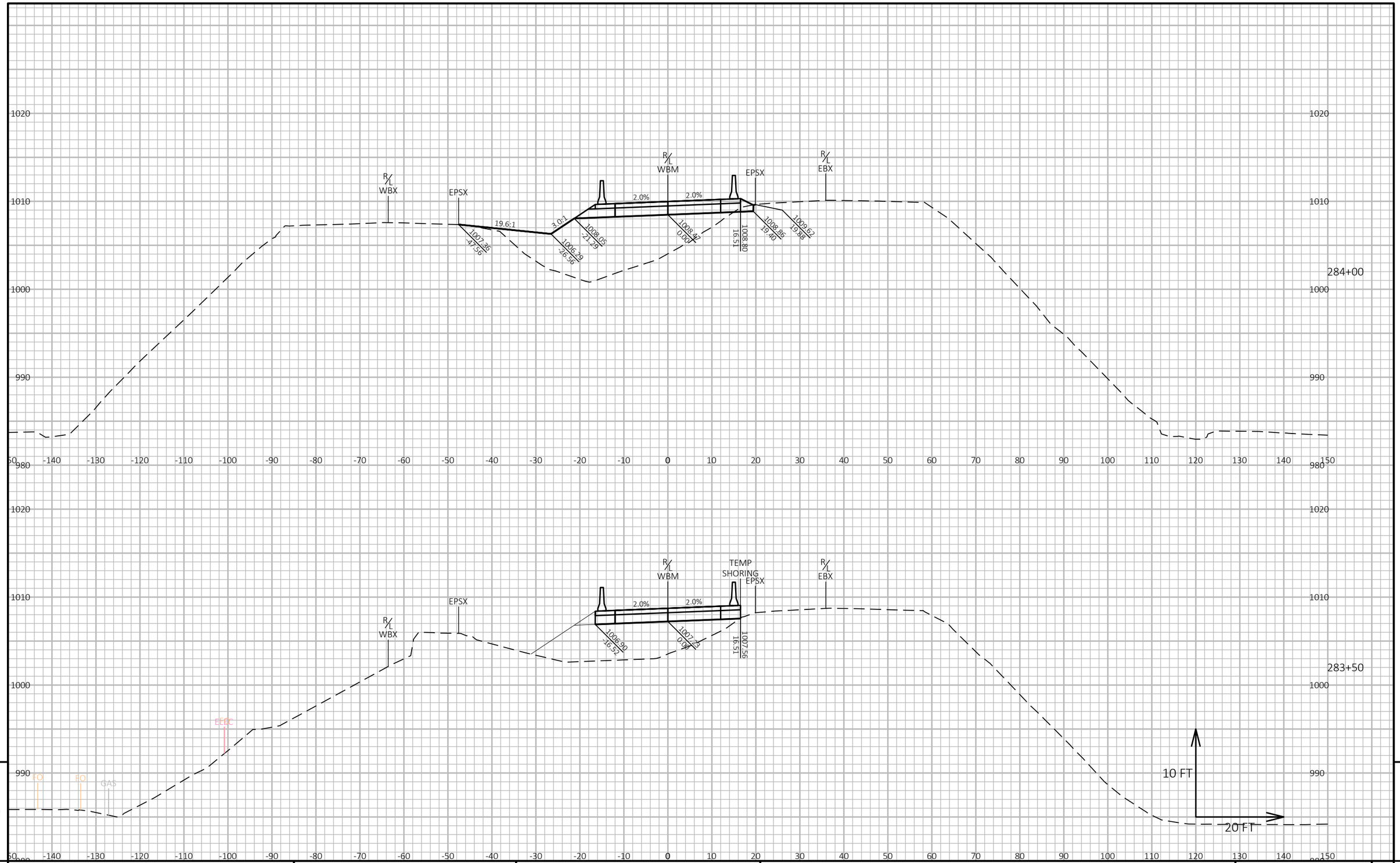


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 563	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090519-xs-wbm-s1

PLOT DATE : 3/25/2024 10:43 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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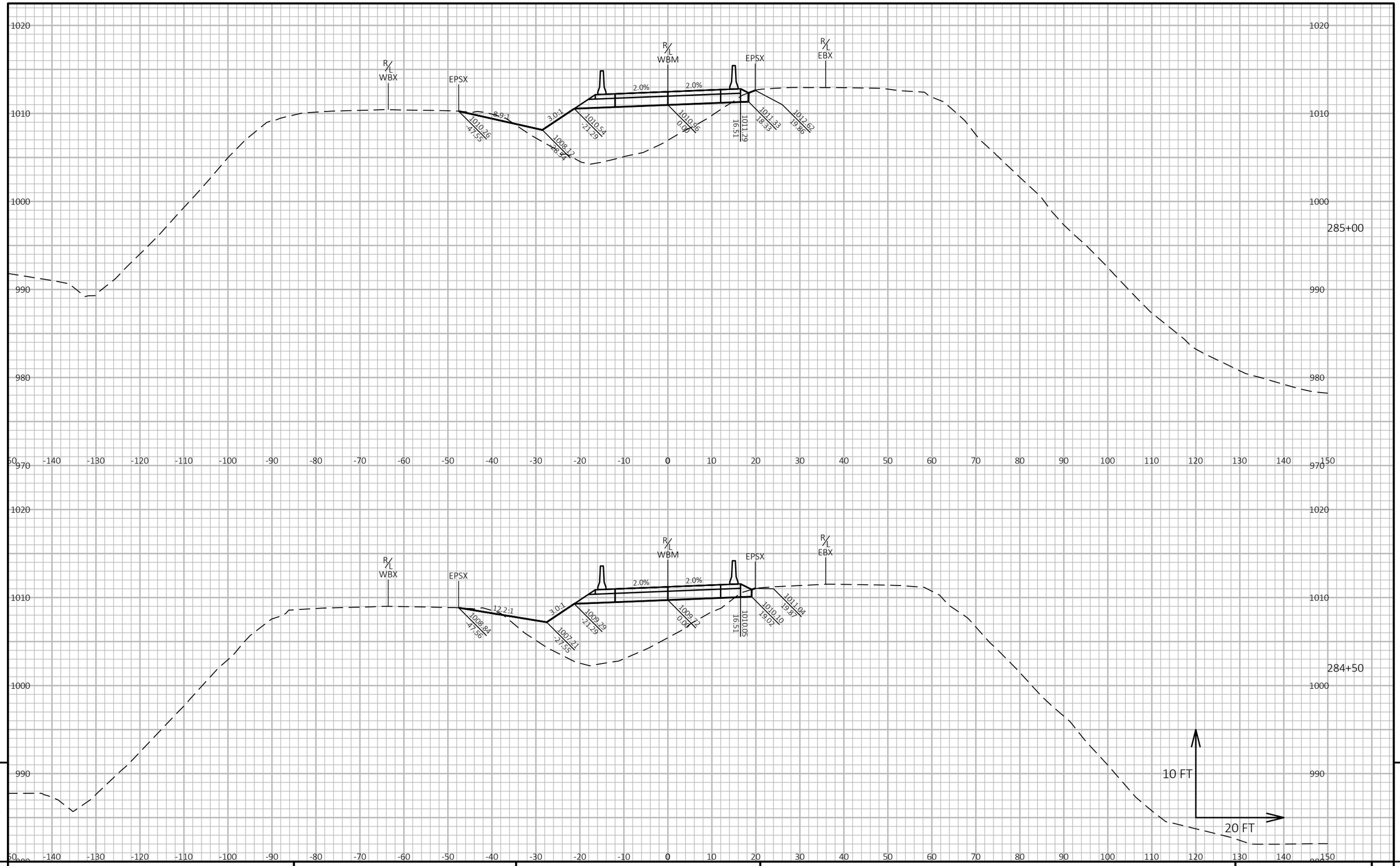
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 564	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090520-xs-wbm-s1

PLOT DATE : 3/25/2024 10:43 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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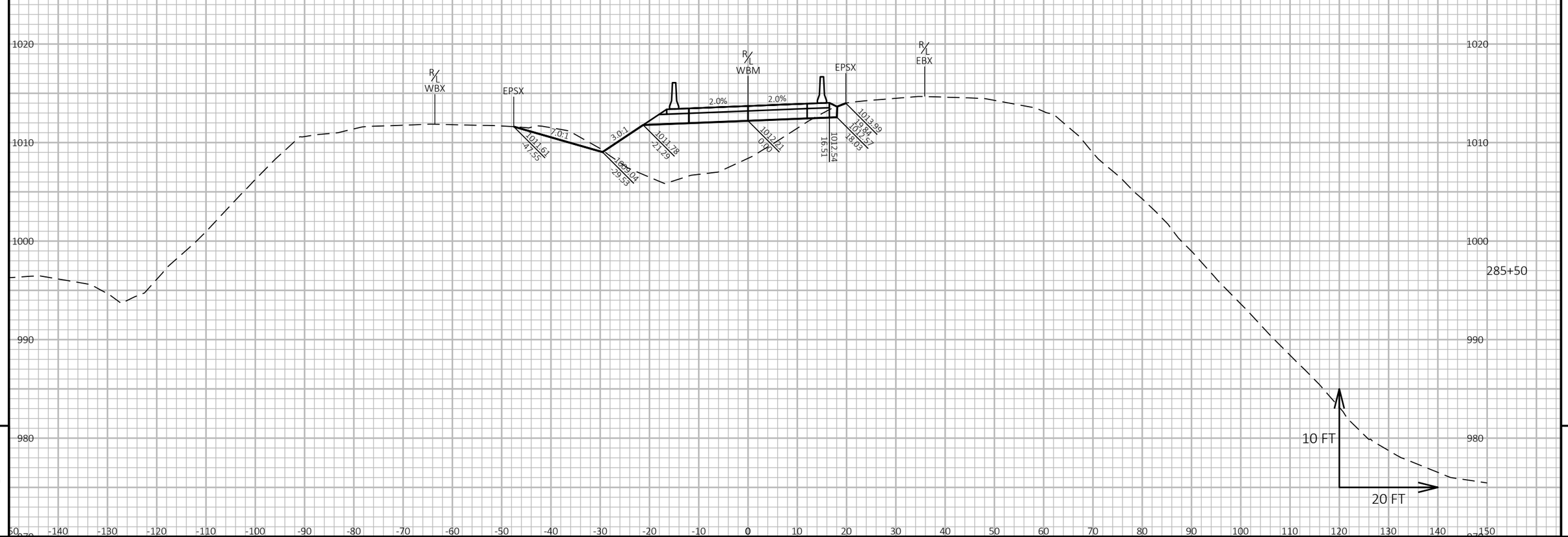
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 565	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090521-xs-wbm-s1

PLOT DATE : 3/25/2024 10:43 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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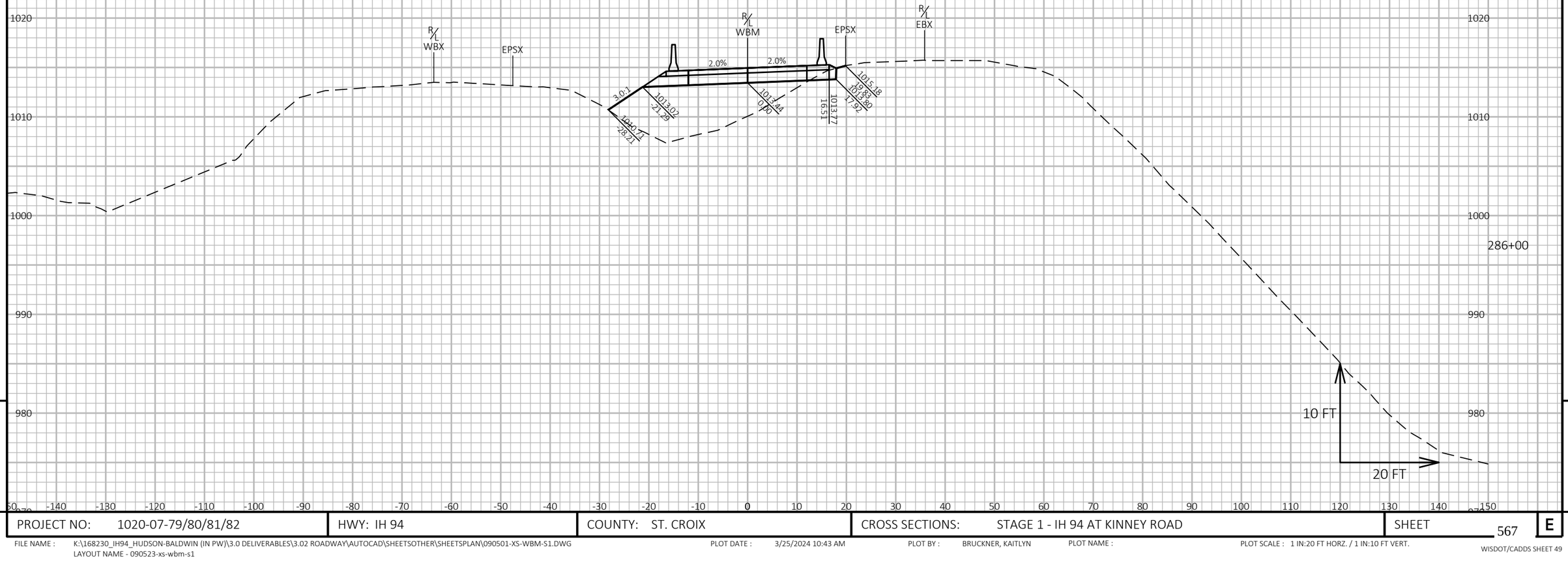
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 566	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090522-xs-wbm-s1

PLOT DATE : 3/25/2024 10:43 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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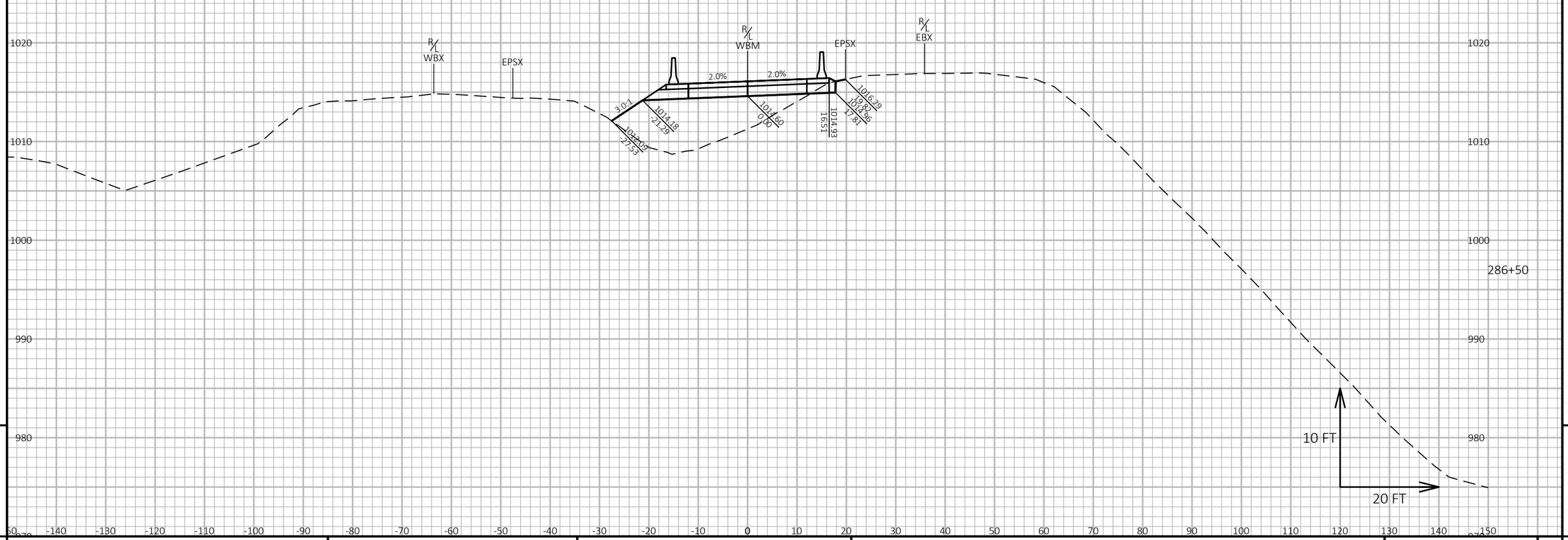
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 567	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090523-xs-wbm-s1

PLOT DATE : 3/25/2024 10:43 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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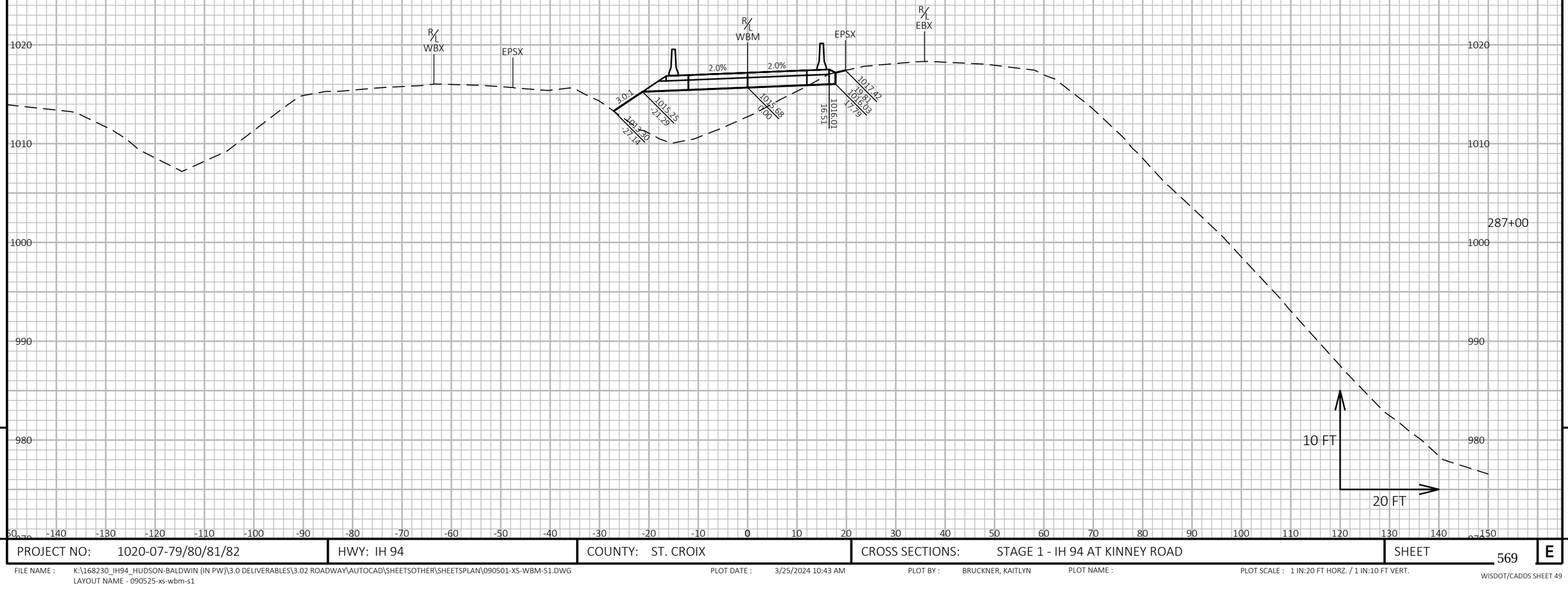
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 568	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090524-xs-wbm-s1

PLOT DATE : 3/25/2024 10:43 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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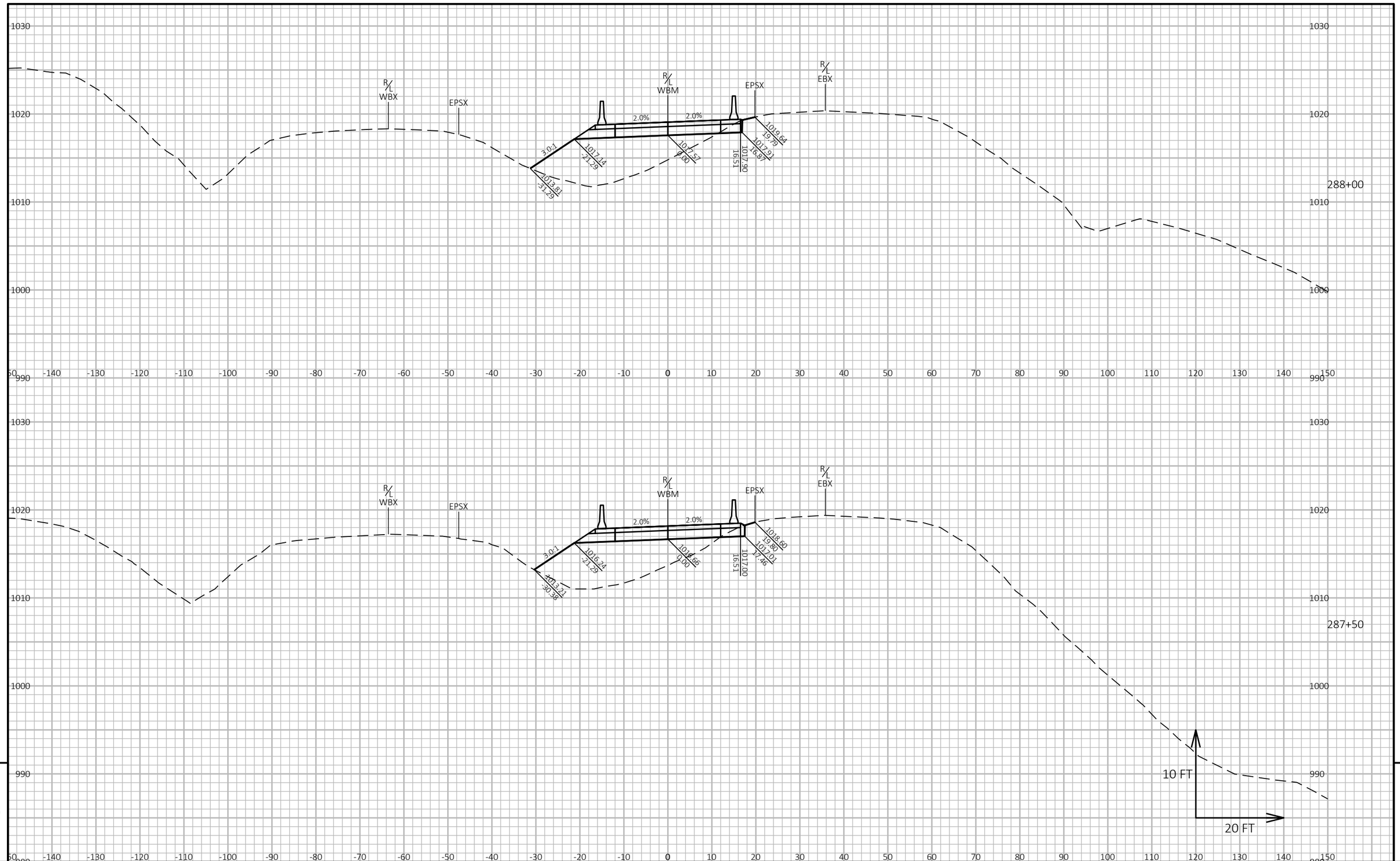
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 569	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090525-xs-wbm-s1

PLOT DATE : 3/25/2024 10:43 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

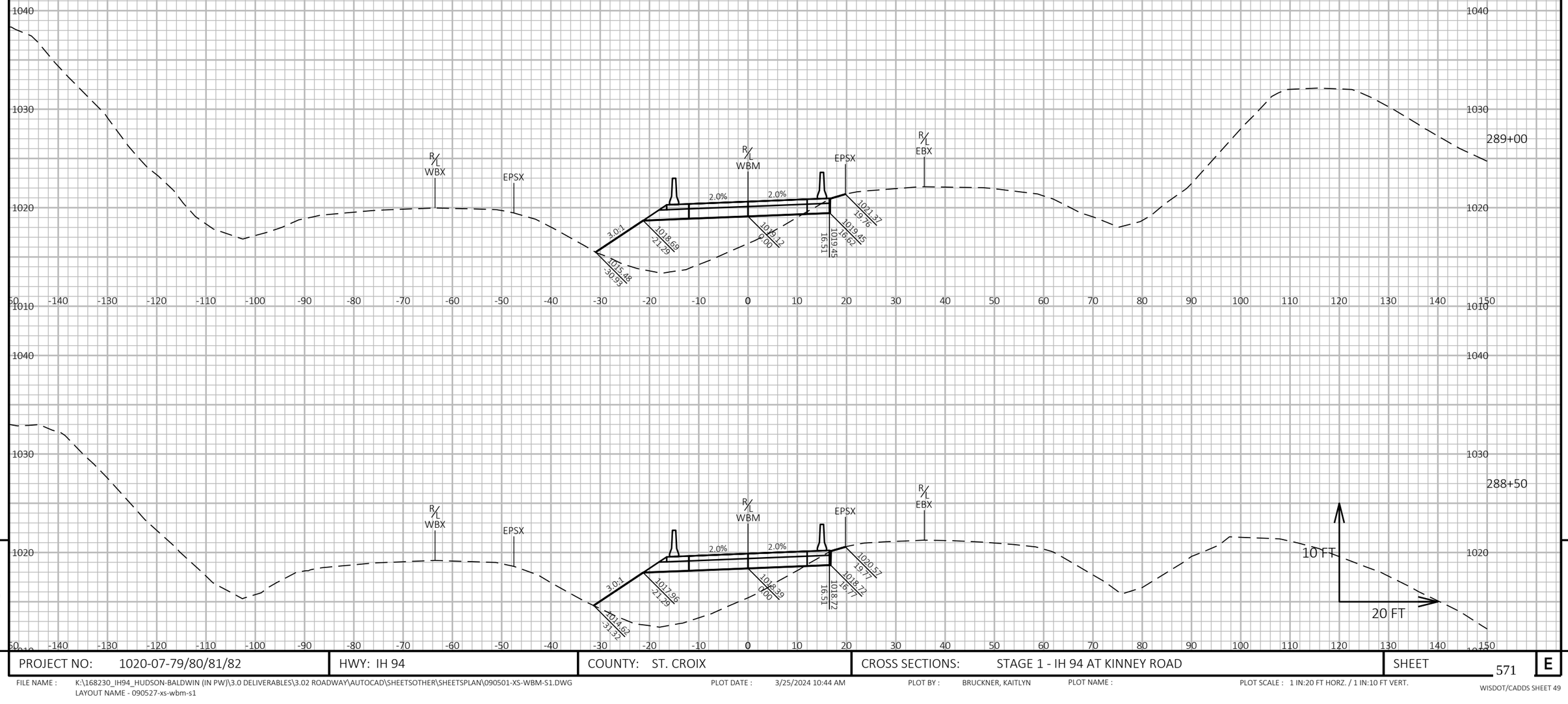


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 570	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090526-xs-wbm-s1

PLOT DATE : 3/25/2024 10:44 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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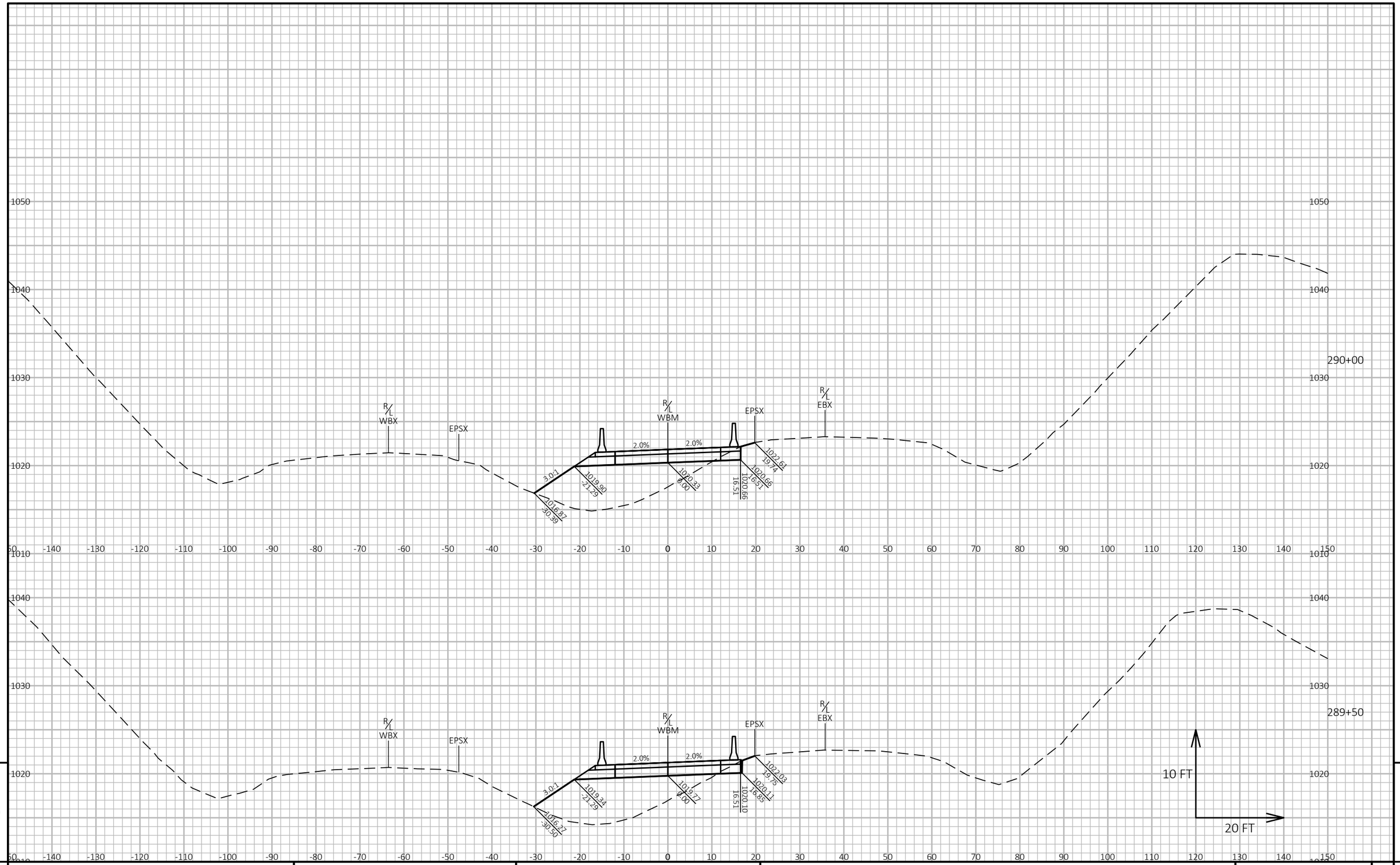
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 571	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090527-xs-wbm-s1

PLOT DATE : 3/25/2024 10:44 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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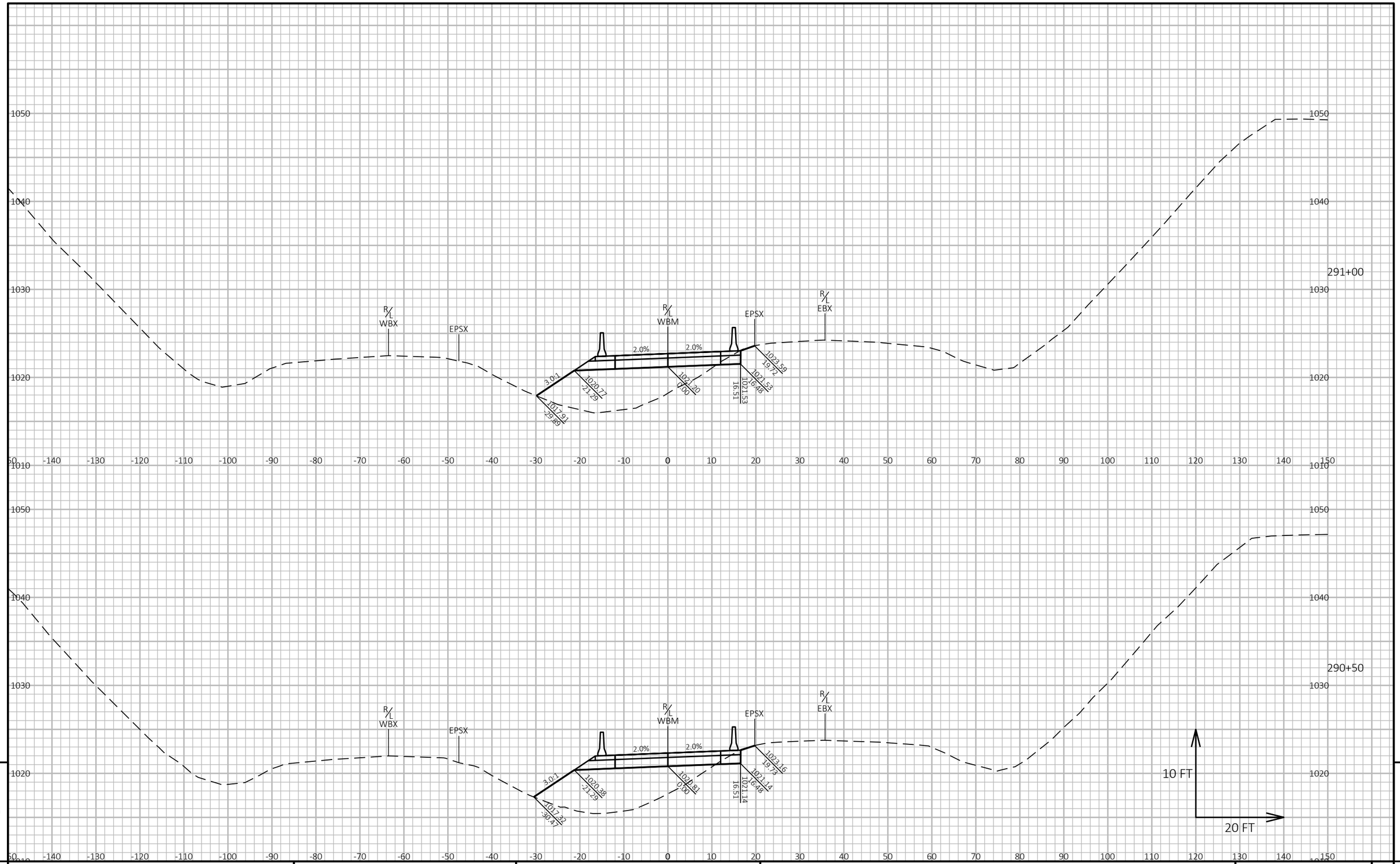
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 572	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090528-xs-wbm-s1

PLOT DATE : 3/25/2024 10:44 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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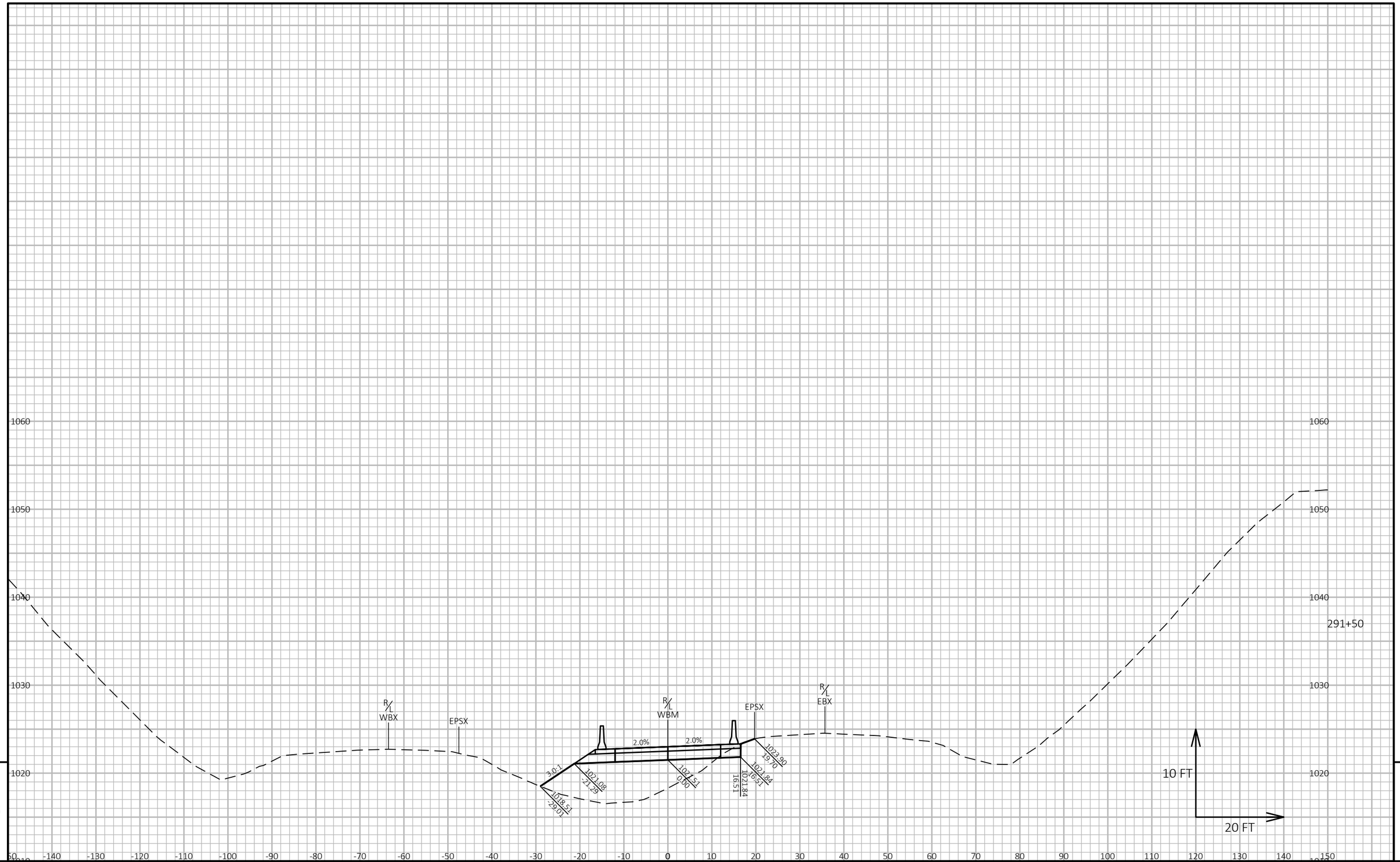
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 573	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090529-xs-wbm-s1

PLOT DATE : 3/25/2024 10:44 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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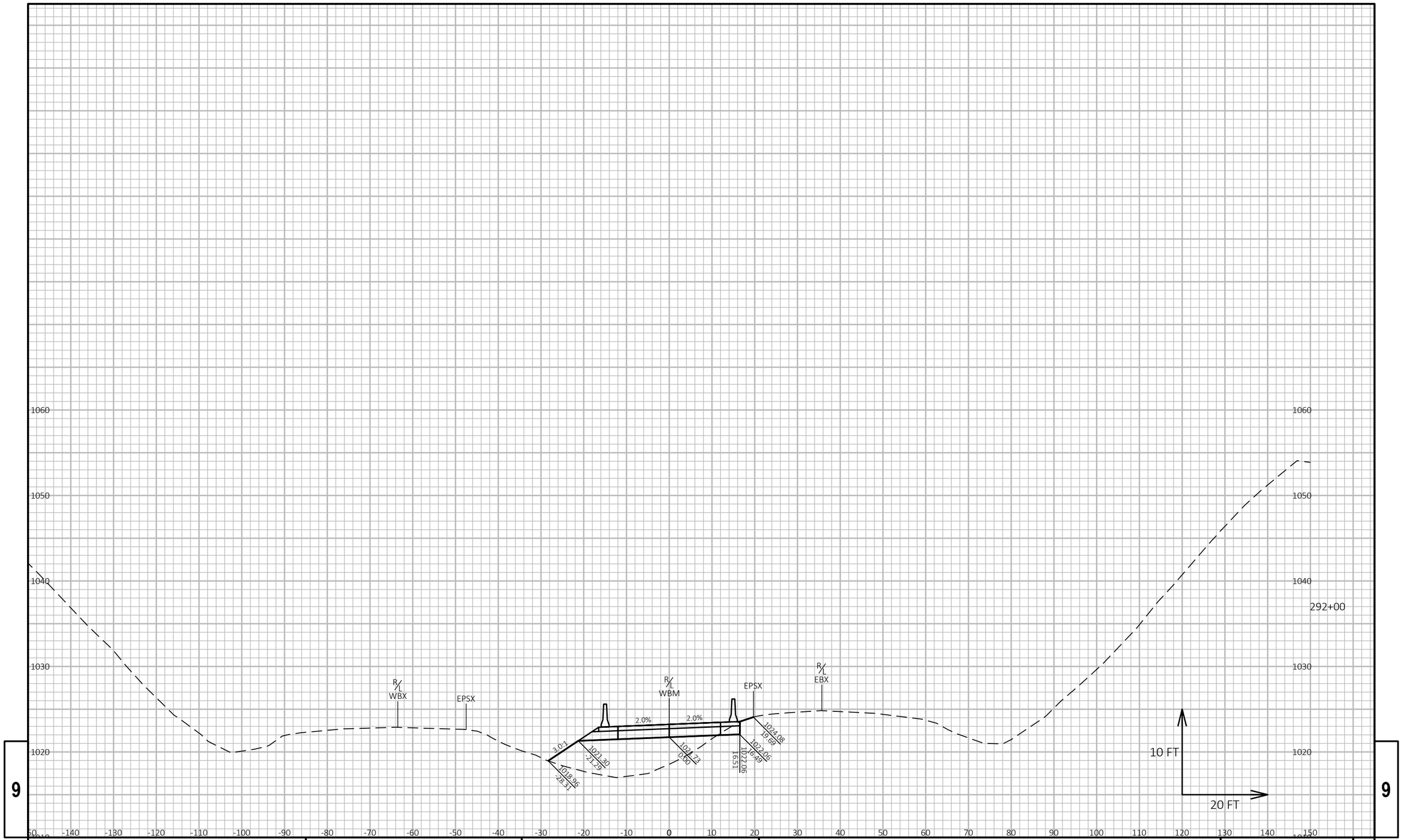
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 574	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090530-xs-wbm-s1

PLOT DATE : 3/25/2024 10:44 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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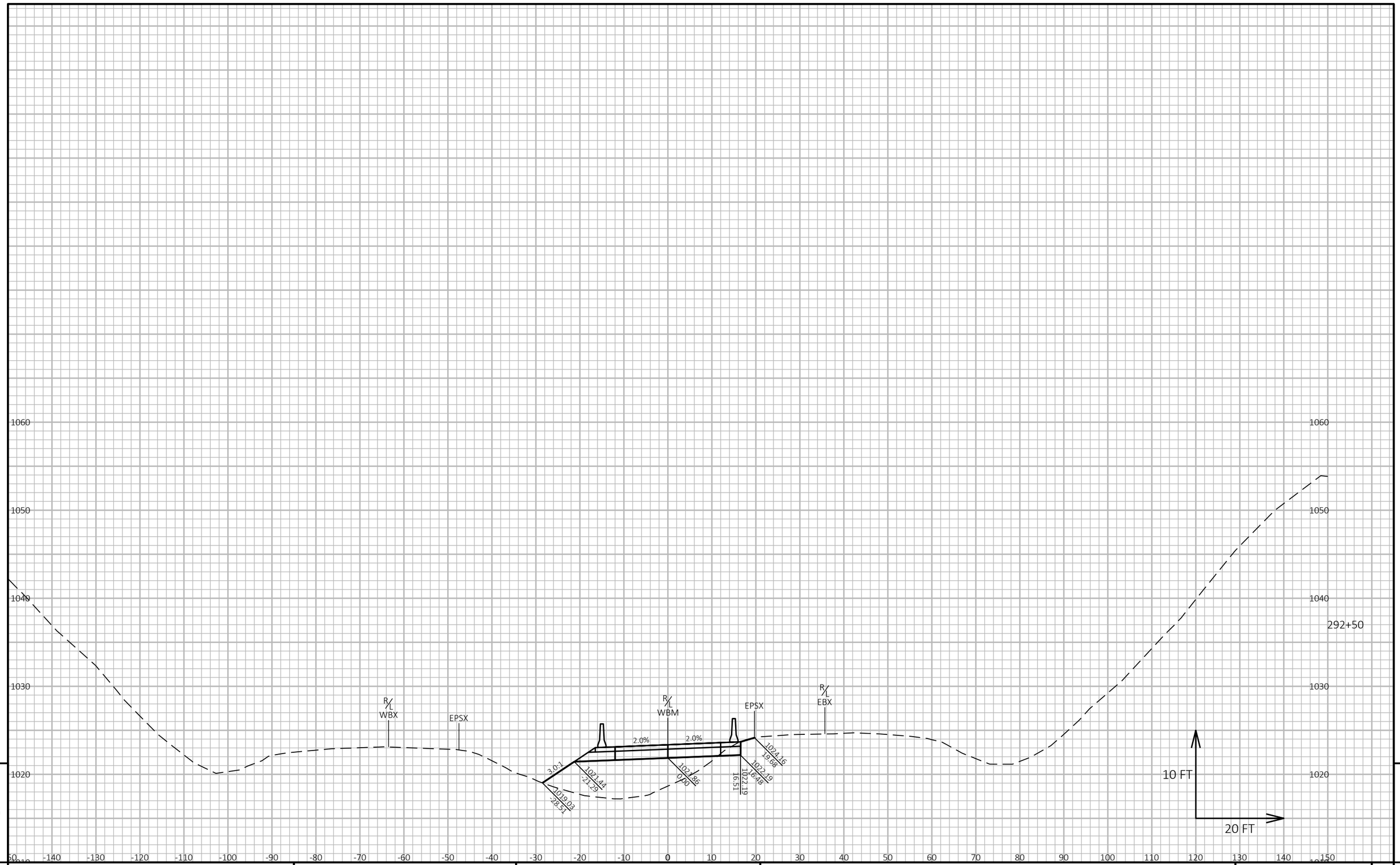
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 575	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090531-xs-wbm-s1

PLOT DATE : 3/25/2024 10:44 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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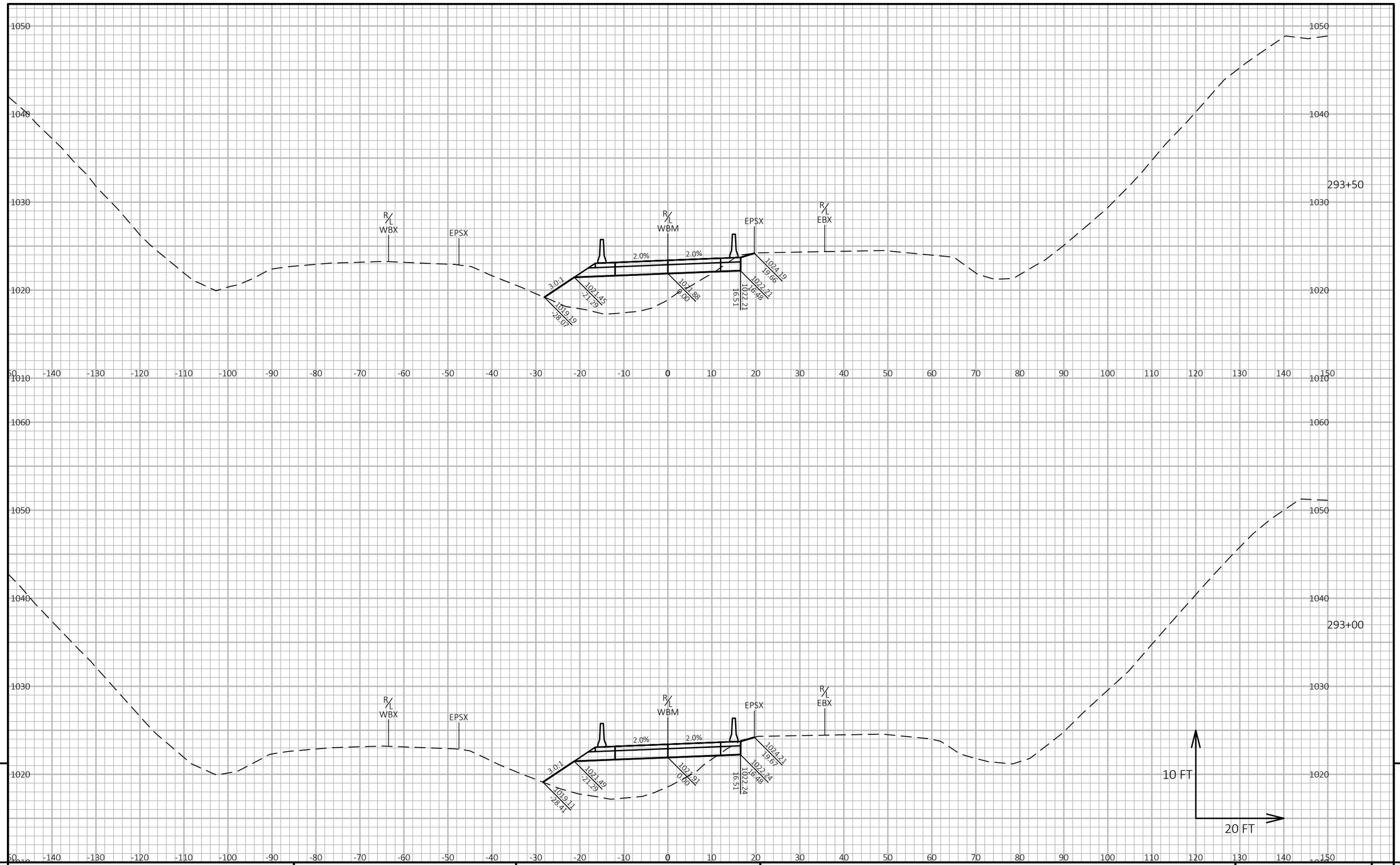
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 576	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090532-xs-wbm-s1

PLOT DATE : 3/25/2024 10:44 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

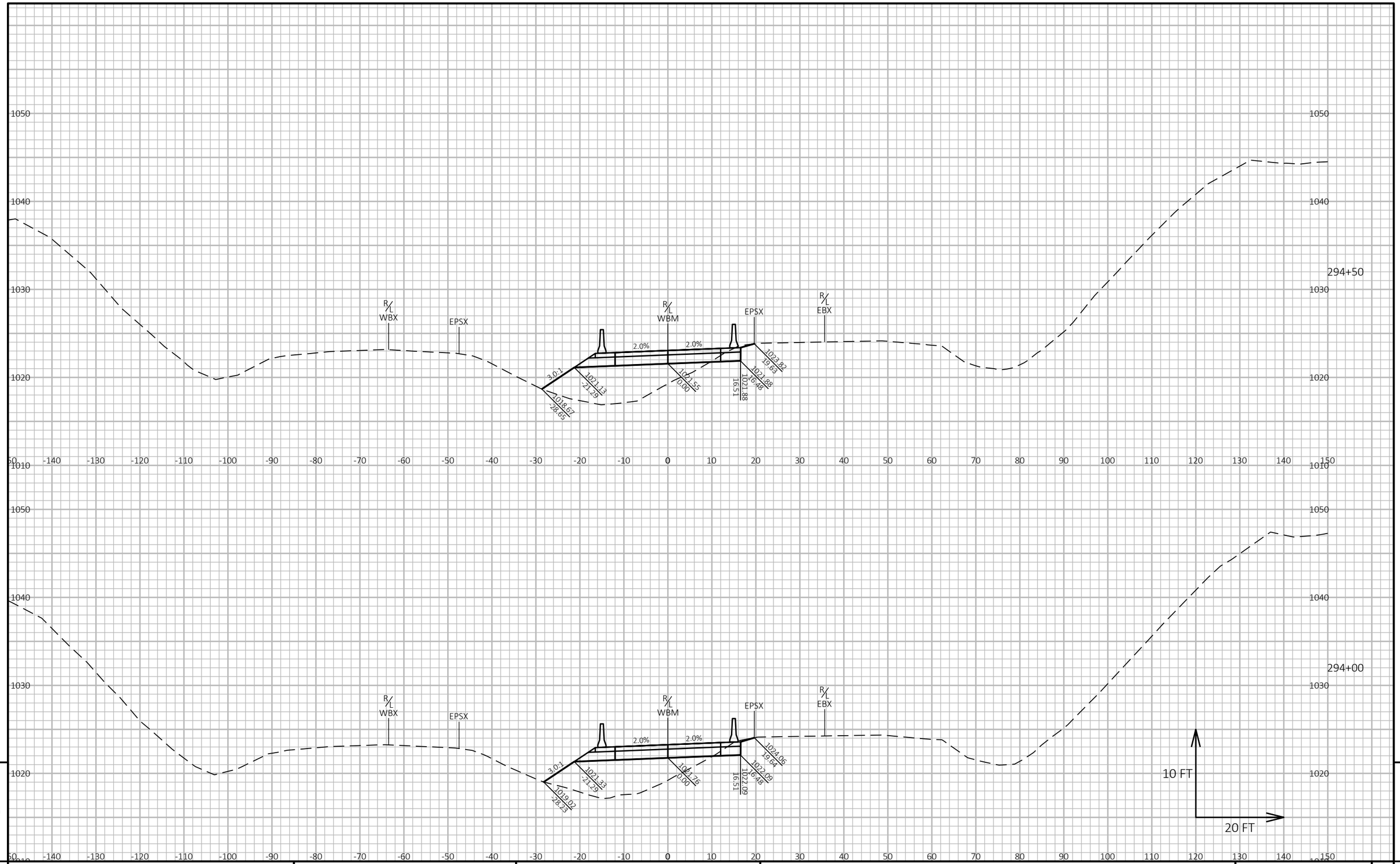


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 577	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090533-xs-wbm-s1

PLOT DATE : 3/25/2024 10:44 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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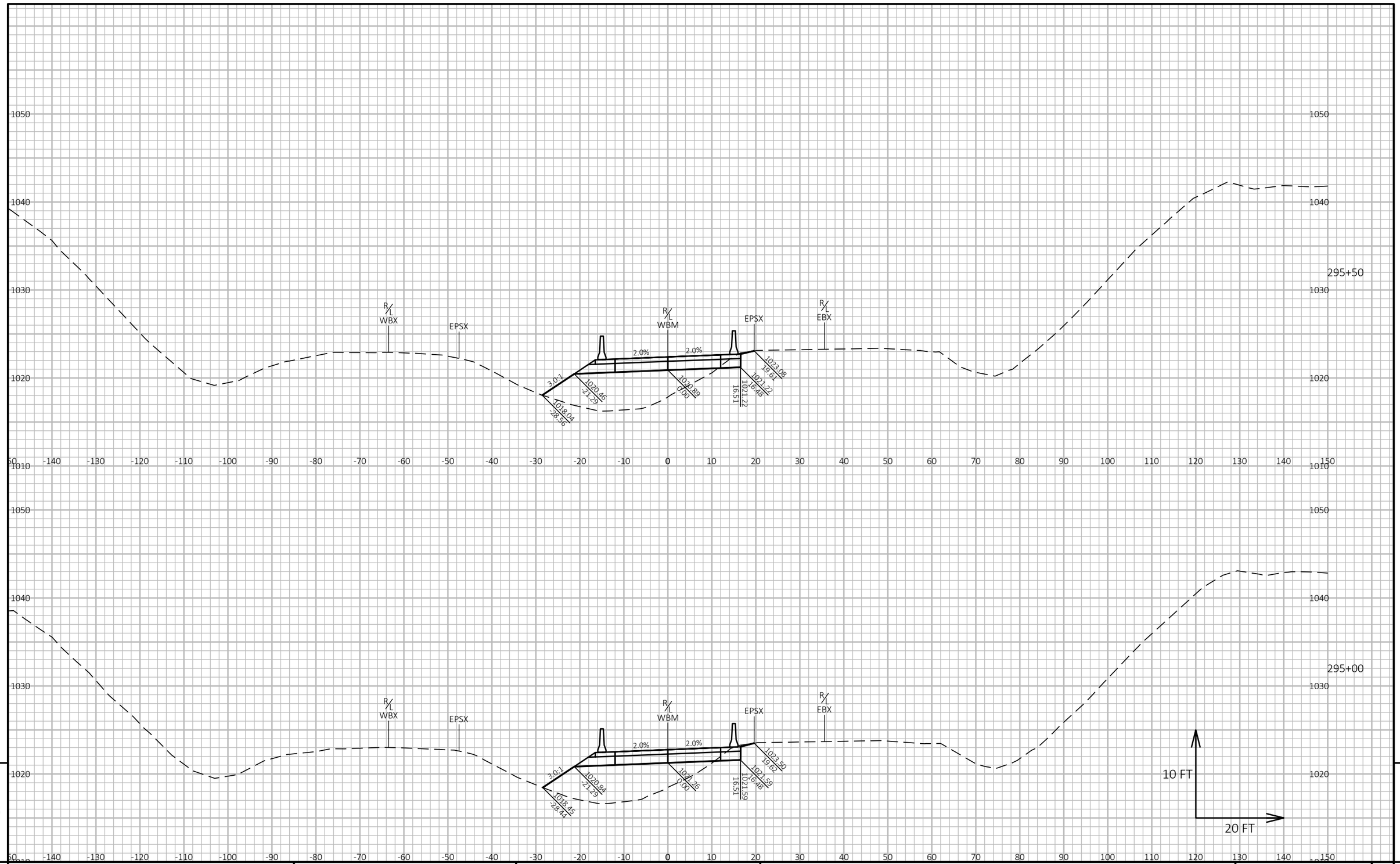
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 578	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090534-xs-wbm-s1

PLOT DATE : 3/25/2024 10:44 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

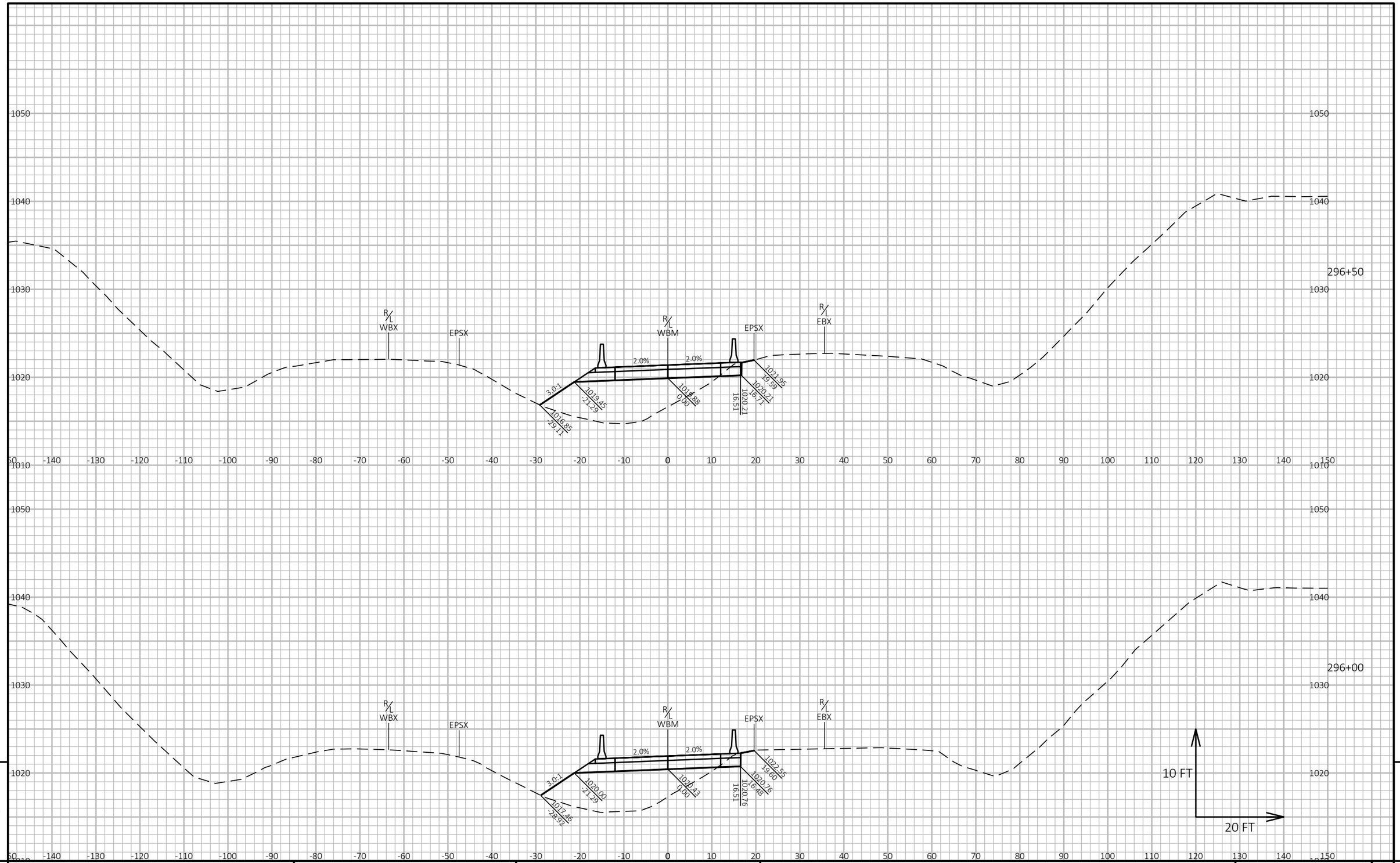


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 579	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090535-xs-wbm-s1

PLOT DATE : 3/25/2024 10:44 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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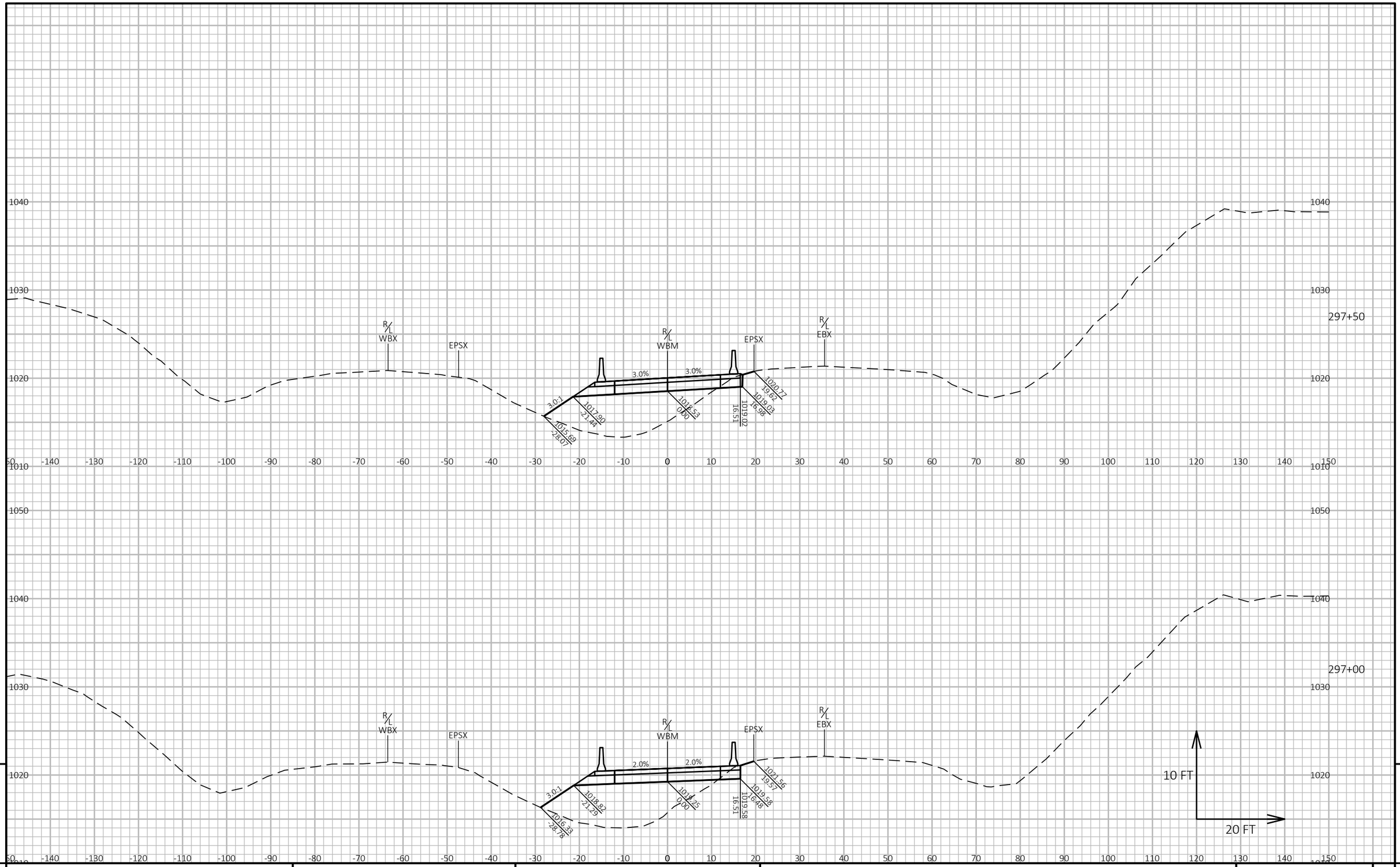
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 580	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090536-xs-wbm-s1

PLOT DATE : 3/25/2024 10:44 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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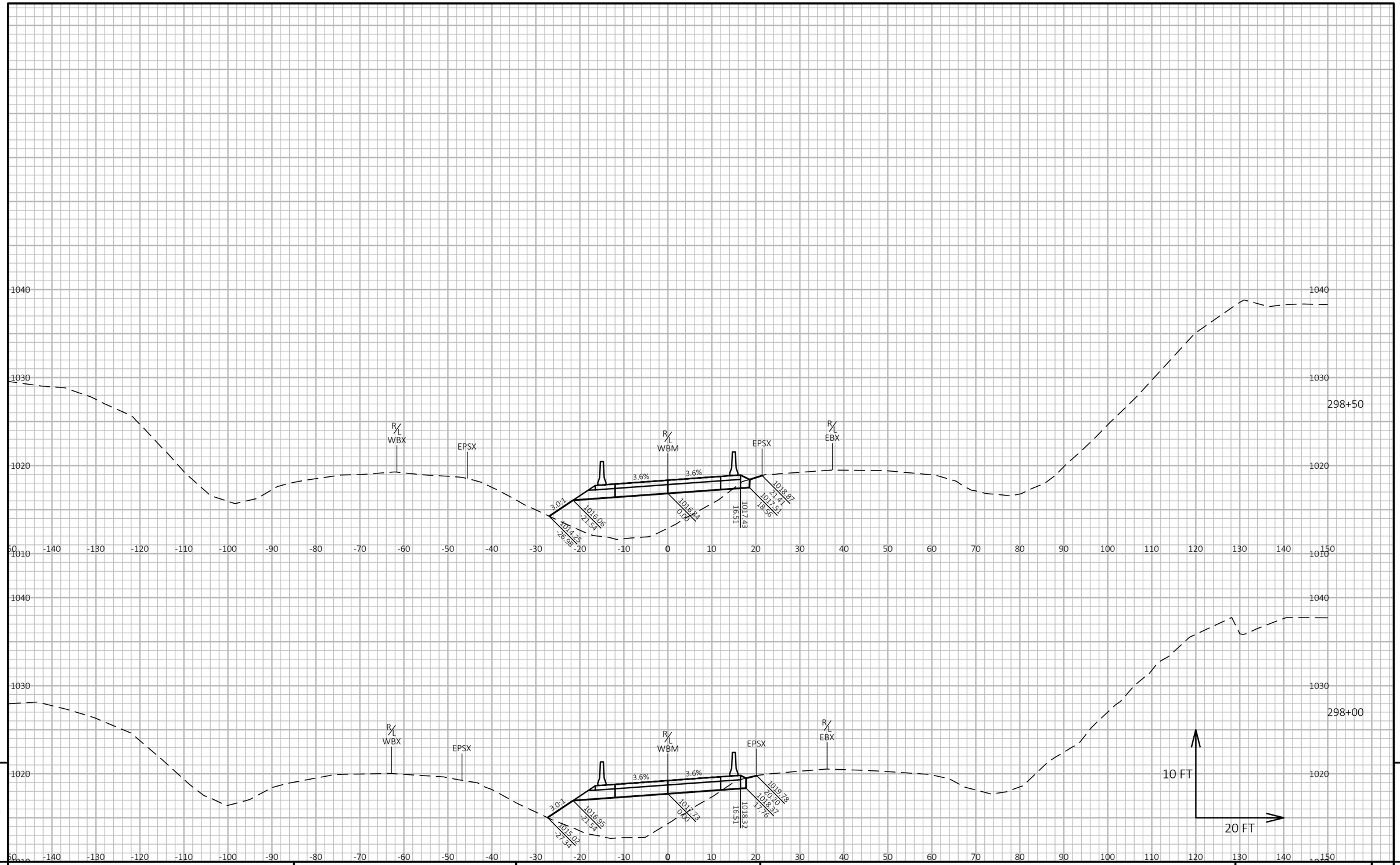
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 581	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090537-xs-wbm-s1

PLOT DATE : 3/25/2024 10:44 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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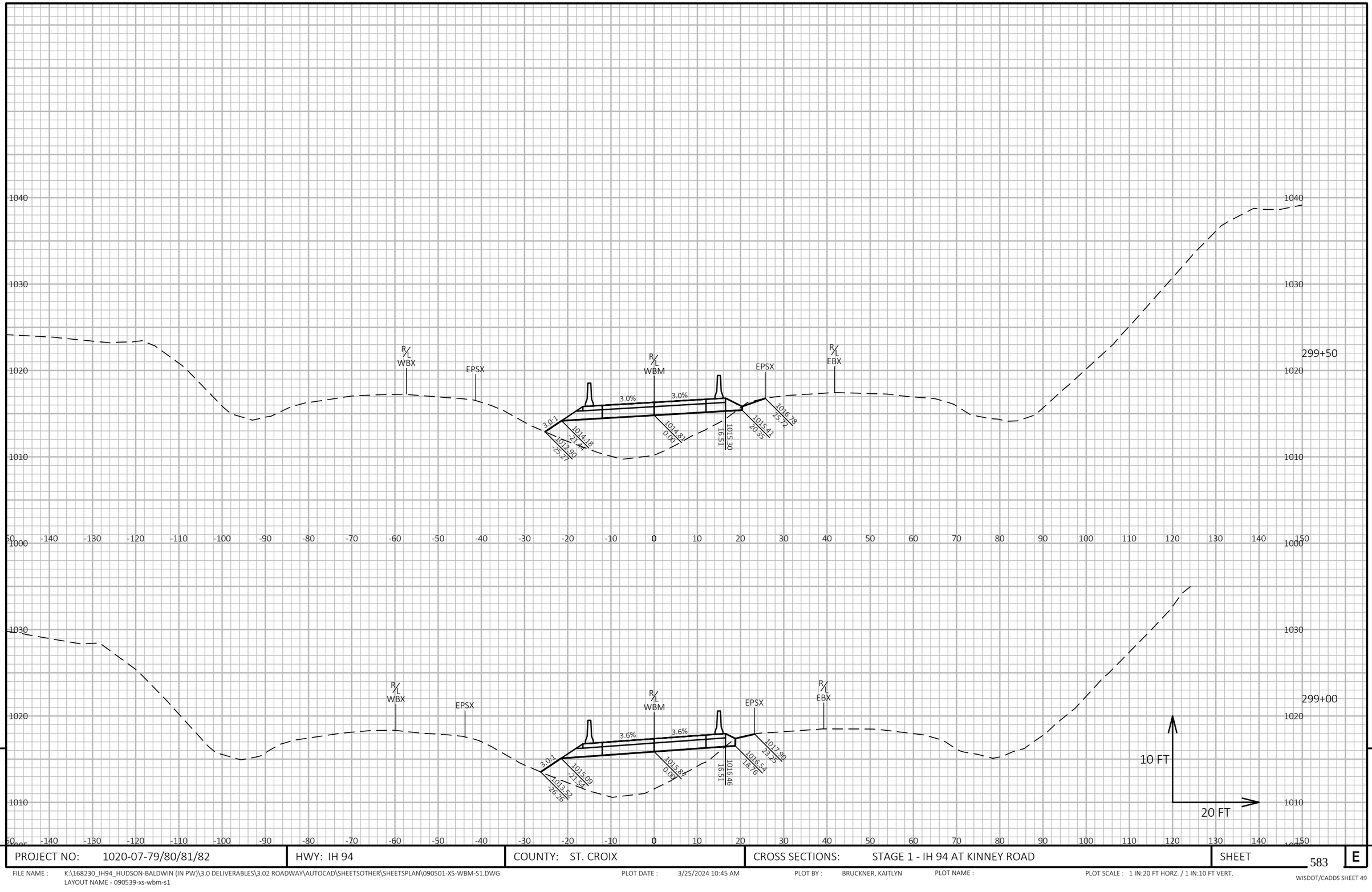
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 582	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090538-xs-wbm-s1

PLOT DATE : 3/25/2024 10:45 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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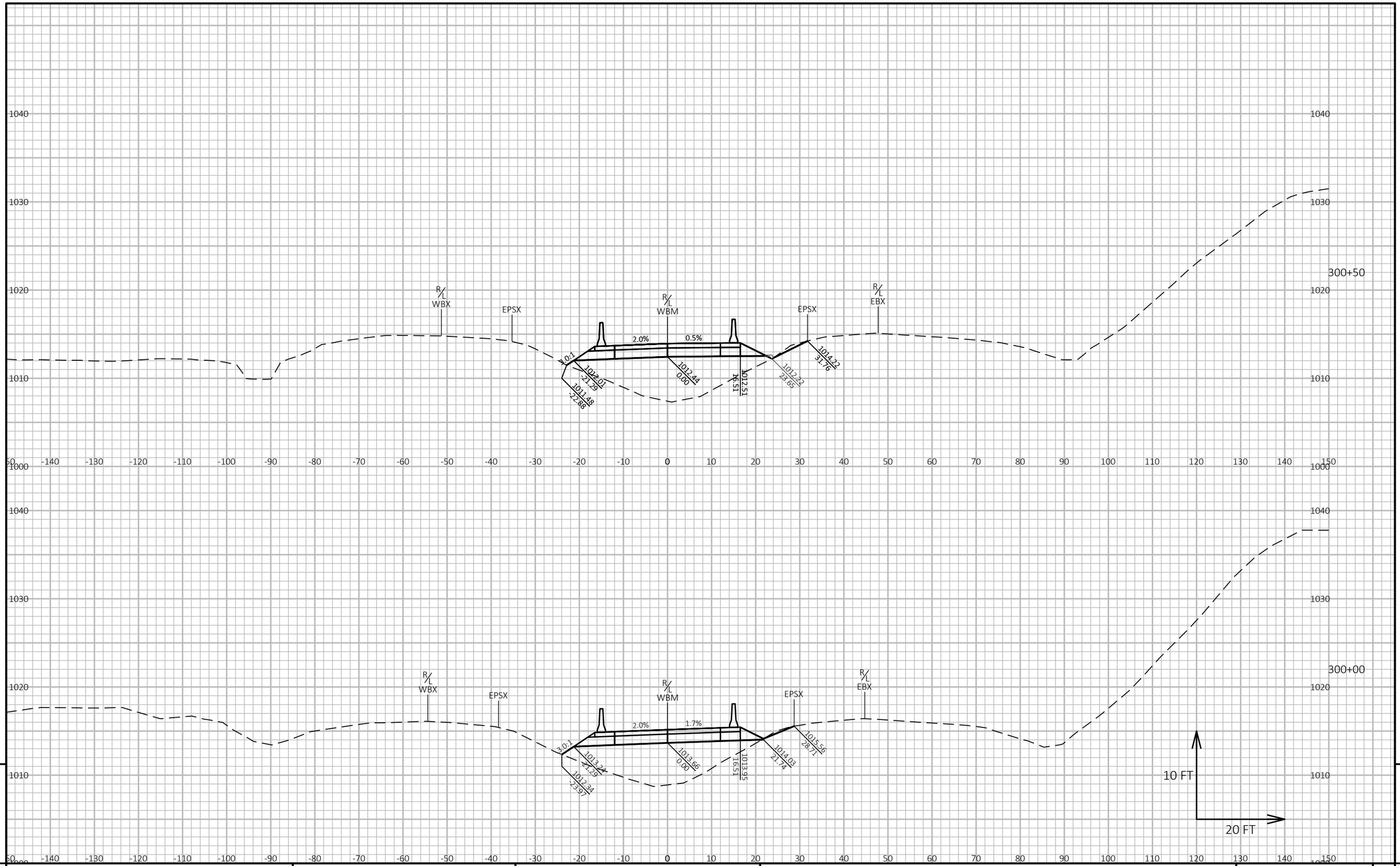
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 583	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090539-xs-wbm-s1

PLOT DATE : 3/25/2024 10:45 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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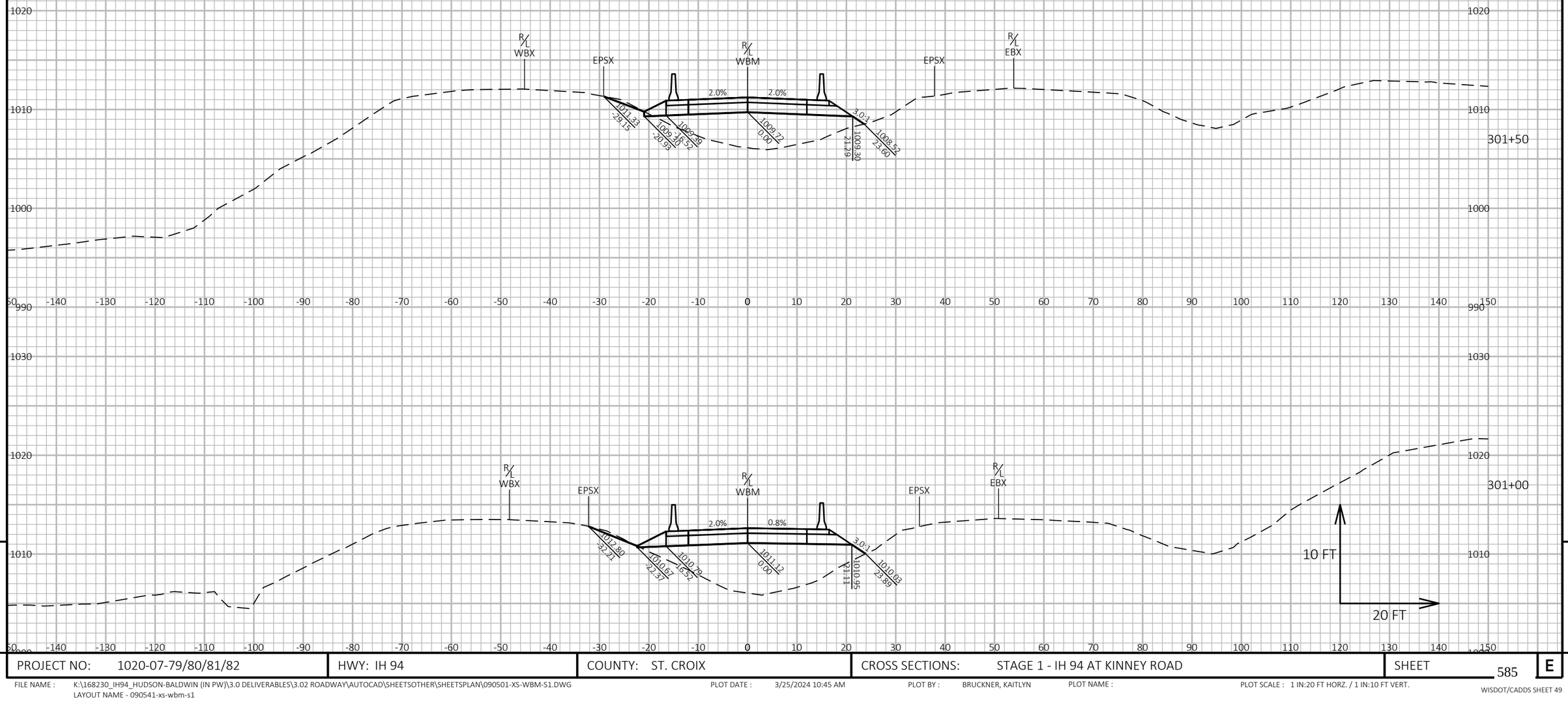
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 584	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090540-xs-wbm-s1

PLOT DATE : 3/25/2024 10:45 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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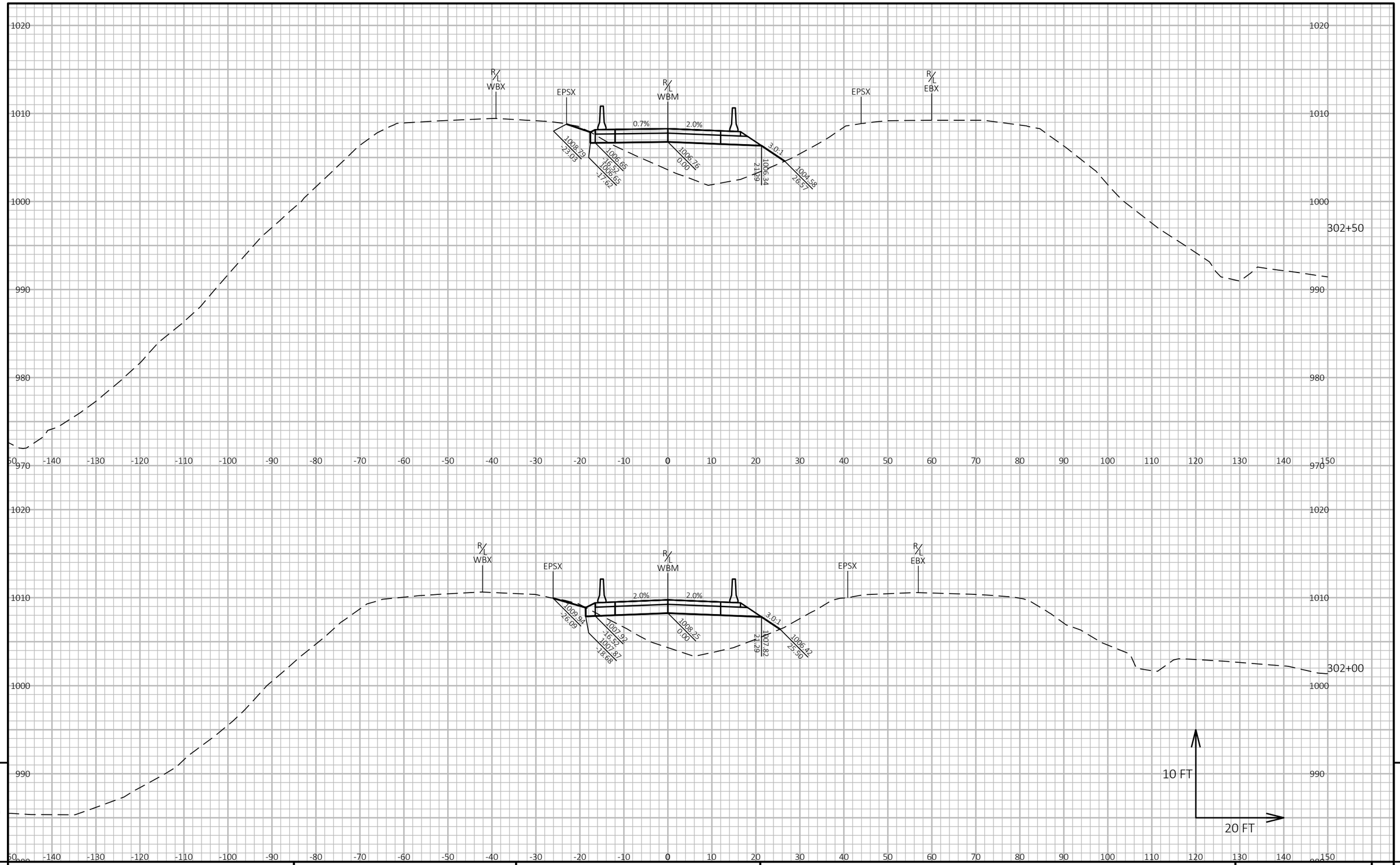
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 585	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090541-xs-wbm-s1

PLOT DATE : 3/25/2024 10:45 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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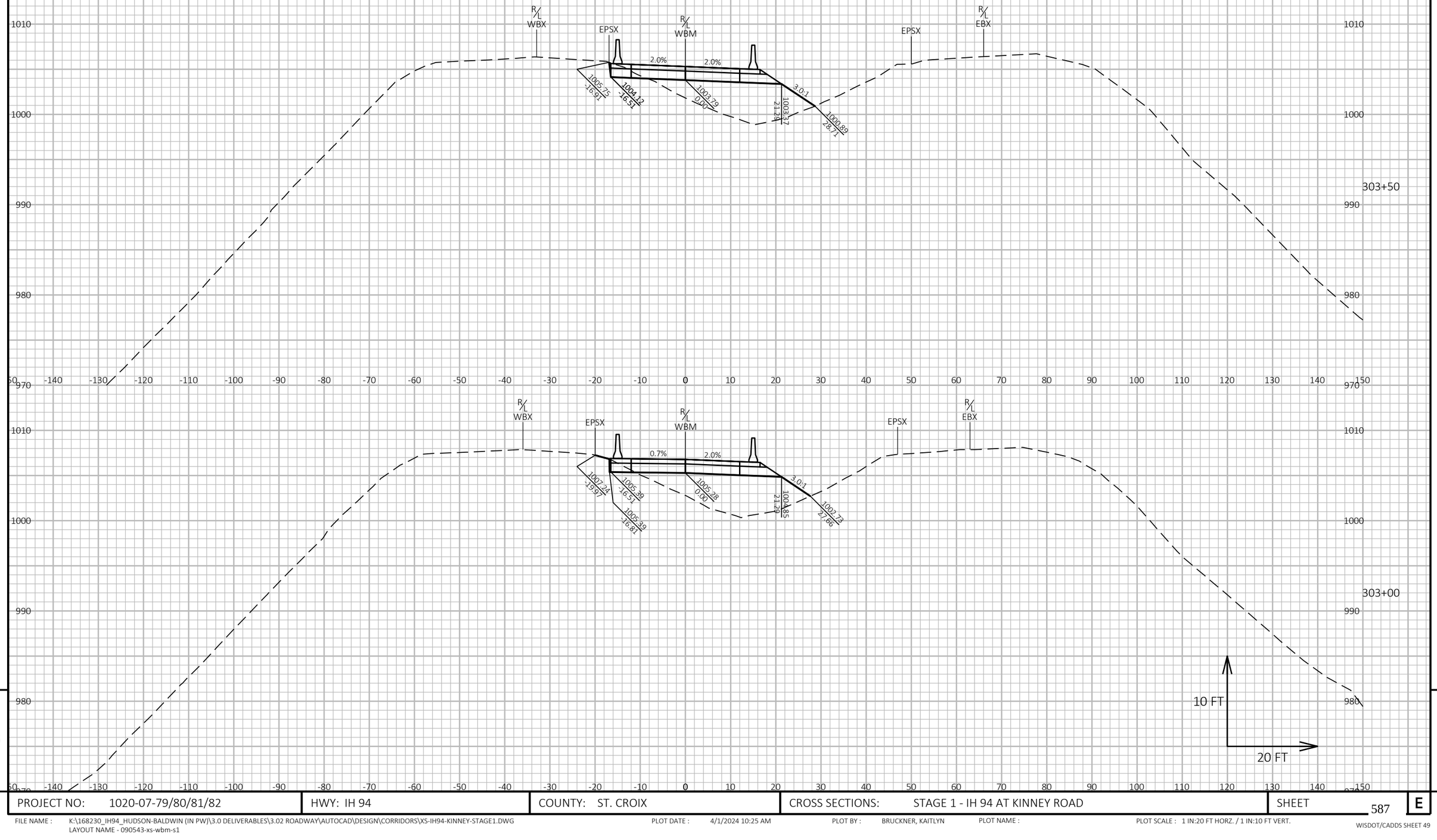
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 586	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090542-xs-wbm-s1

PLOT DATE : 3/25/2024 10:45 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

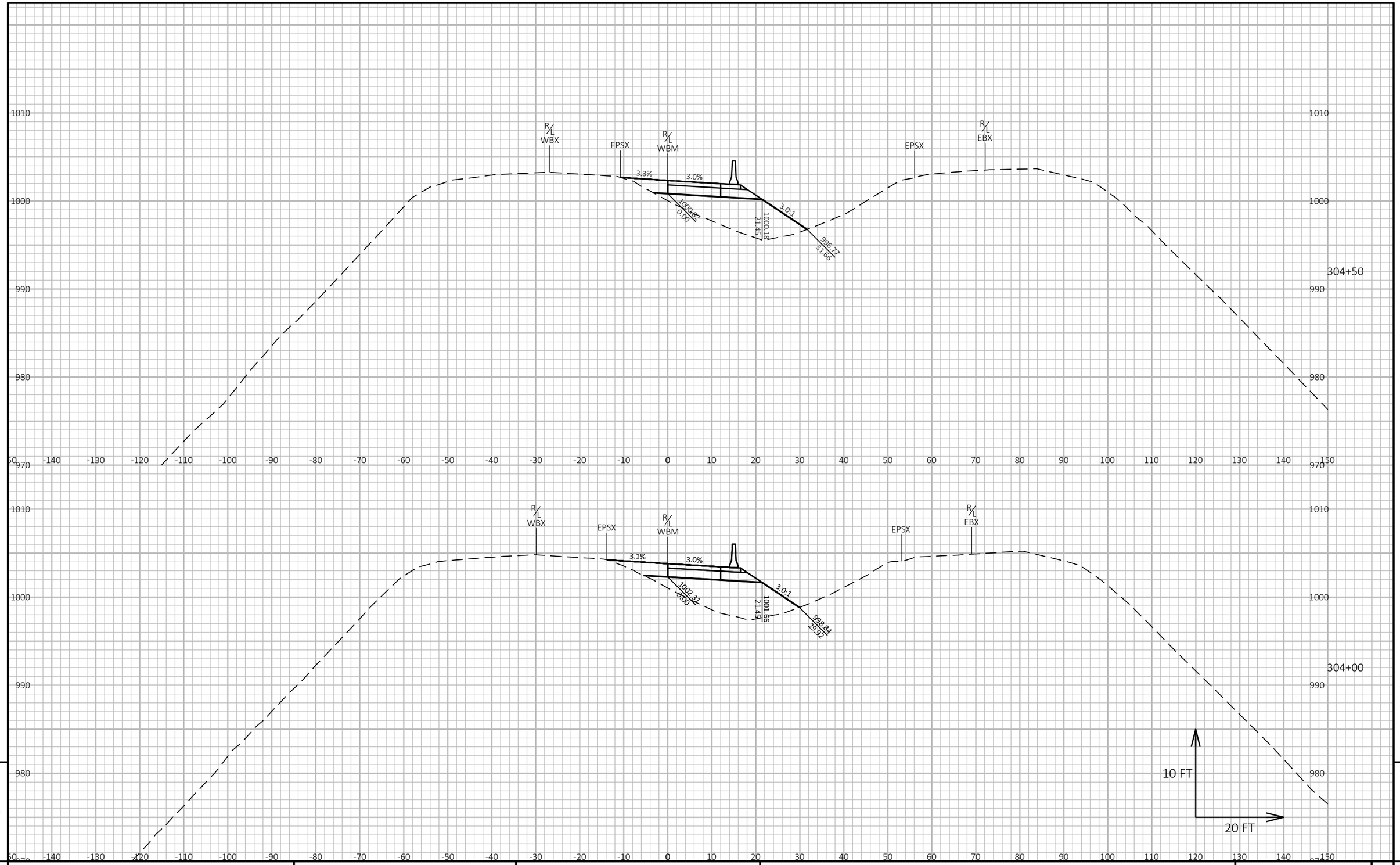


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 587	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\DESIGN\CORRIDORS\XS-IH94-KINNEY-STAGE1.DWG
LAYOUT NAME - 090543-xs-wbm-s1

PLOT DATE : 4/1/2024 10:25 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

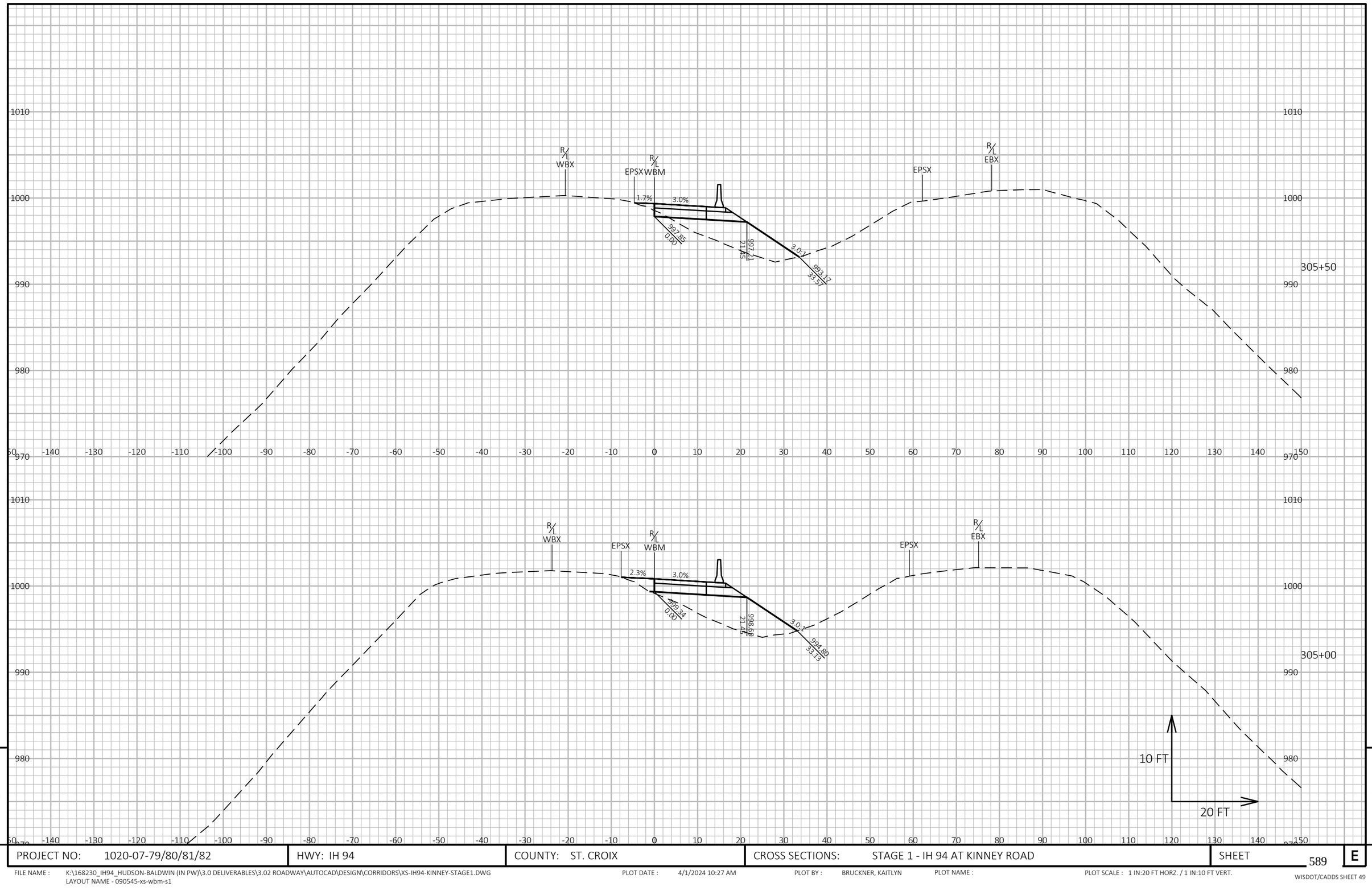


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 588	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\DESIGN\CORRIDORS\XS-IH94-KINNEY-STAGE1.DWG
LAYOUT NAME - 090544-xs-wbm-s1

PLOT DATE : 4/1/2024 10:26 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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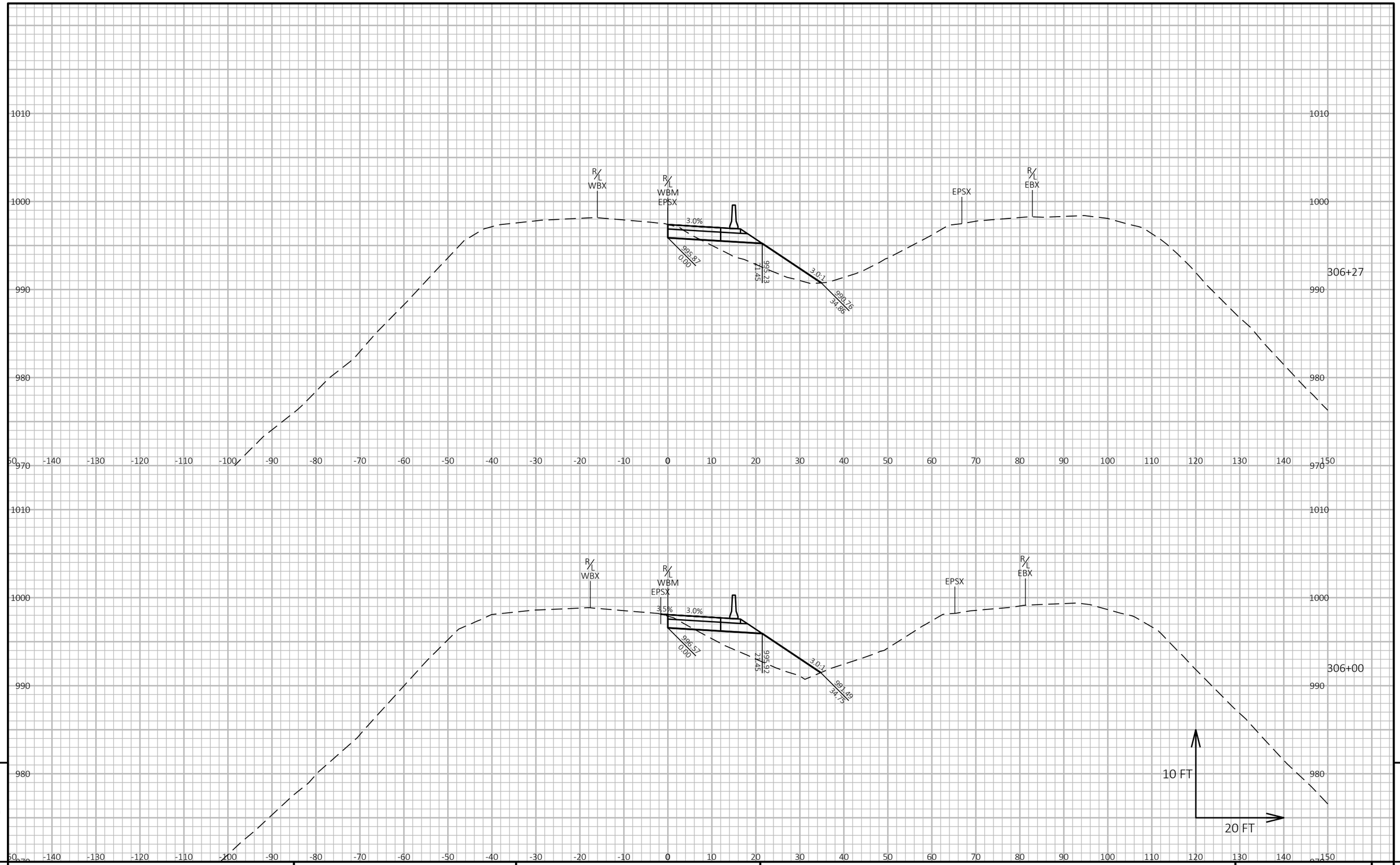
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 589	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\DESIGN\CORRIDORS\XS-IH94-KINNEY-STAGE1.DWG
LAYOUT NAME - 090545-xs-wbm-s1

PLOT DATE : 4/1/2024 10:27 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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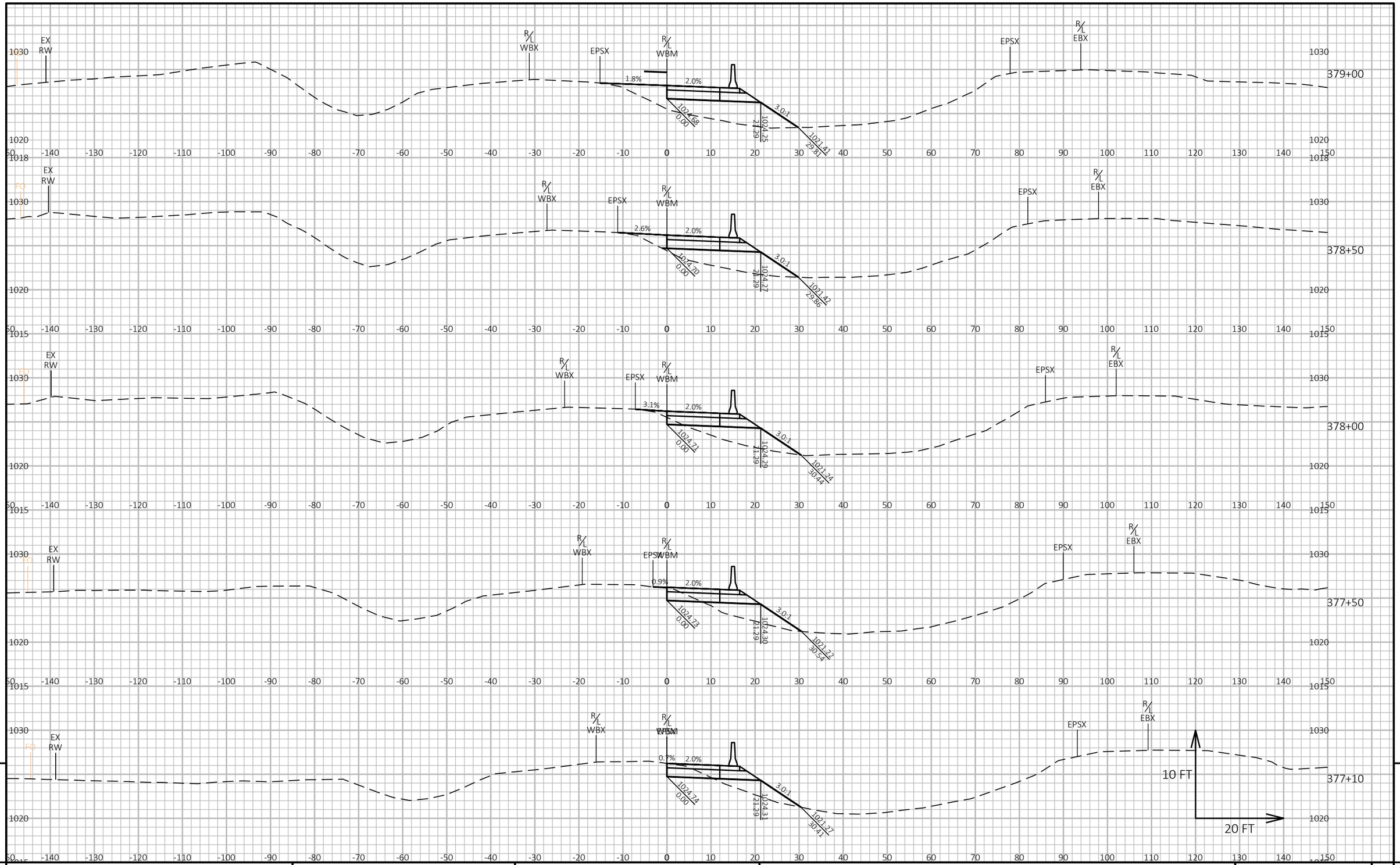
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT KINNEY ROAD	SHEET 590	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090546-xs-wbm-s1

PLOT DATE : 3/25/2024 10:45 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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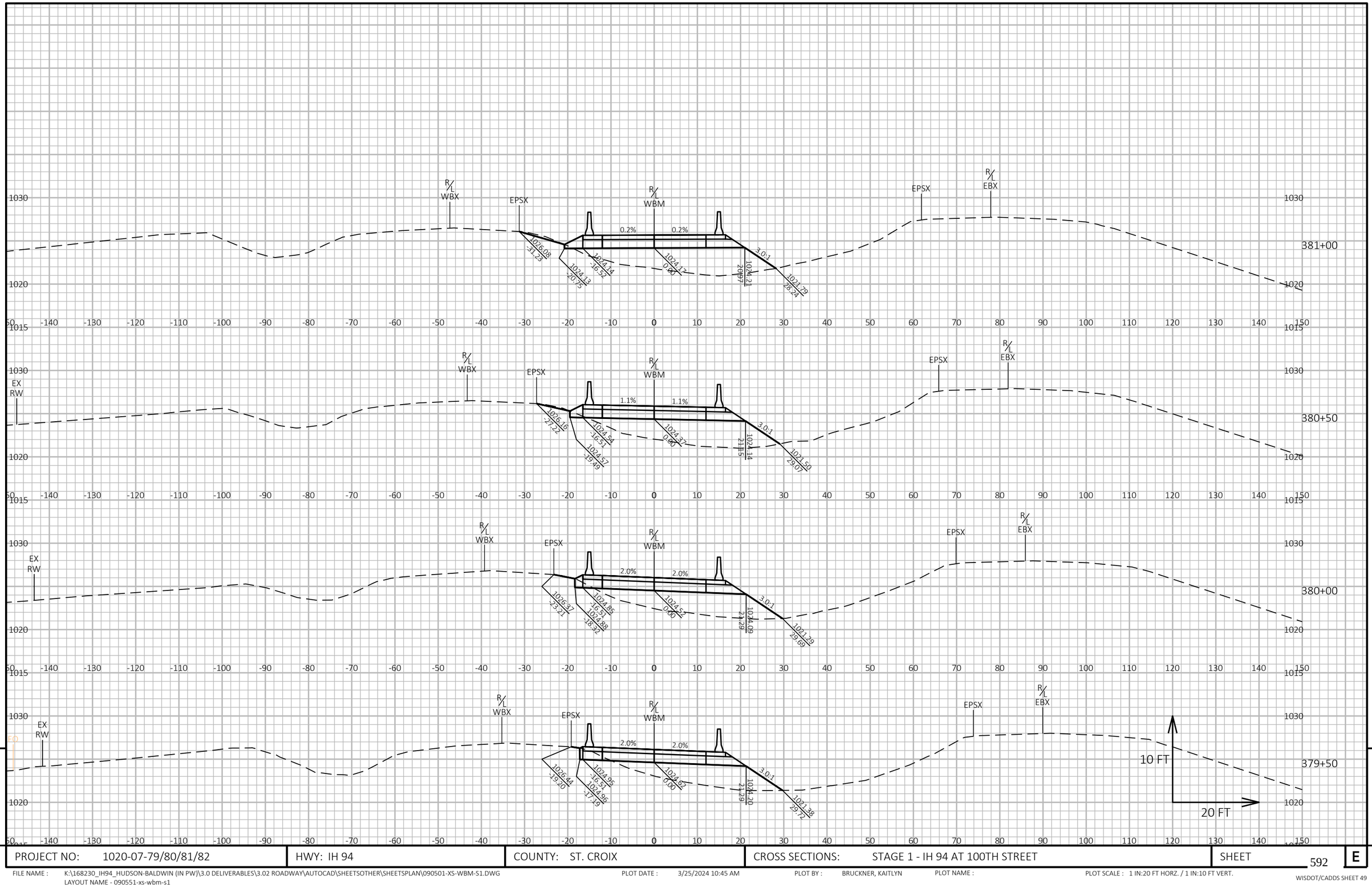
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT 100TH STREET	SHEET 591	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090550-xs-wbm-s1

PLOT DATE : 3/25/2024 10:45 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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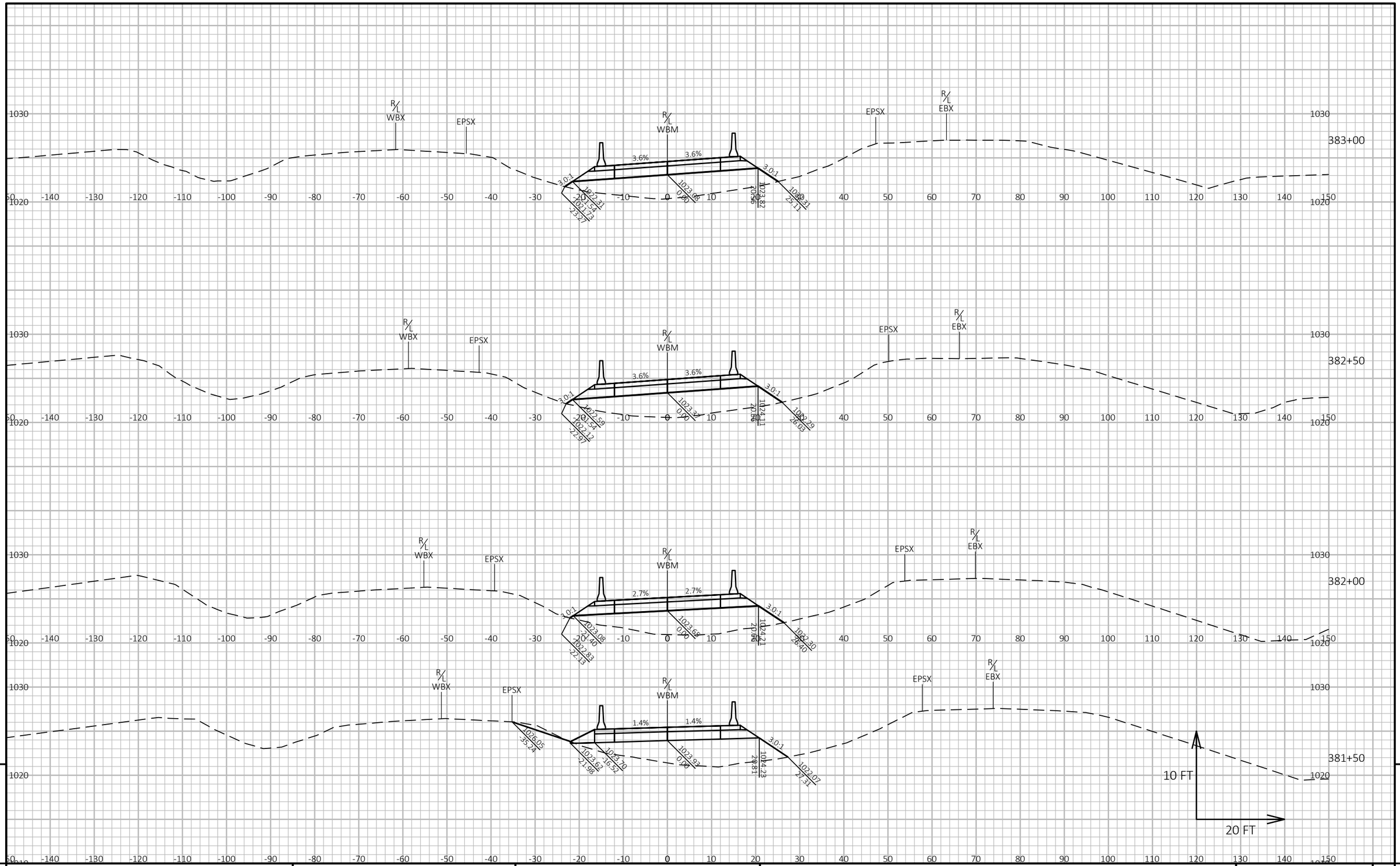
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT 100TH STREET	SHEET 592	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090551-xs-wbm-s1

PLOT DATE : 3/25/2024 10:45 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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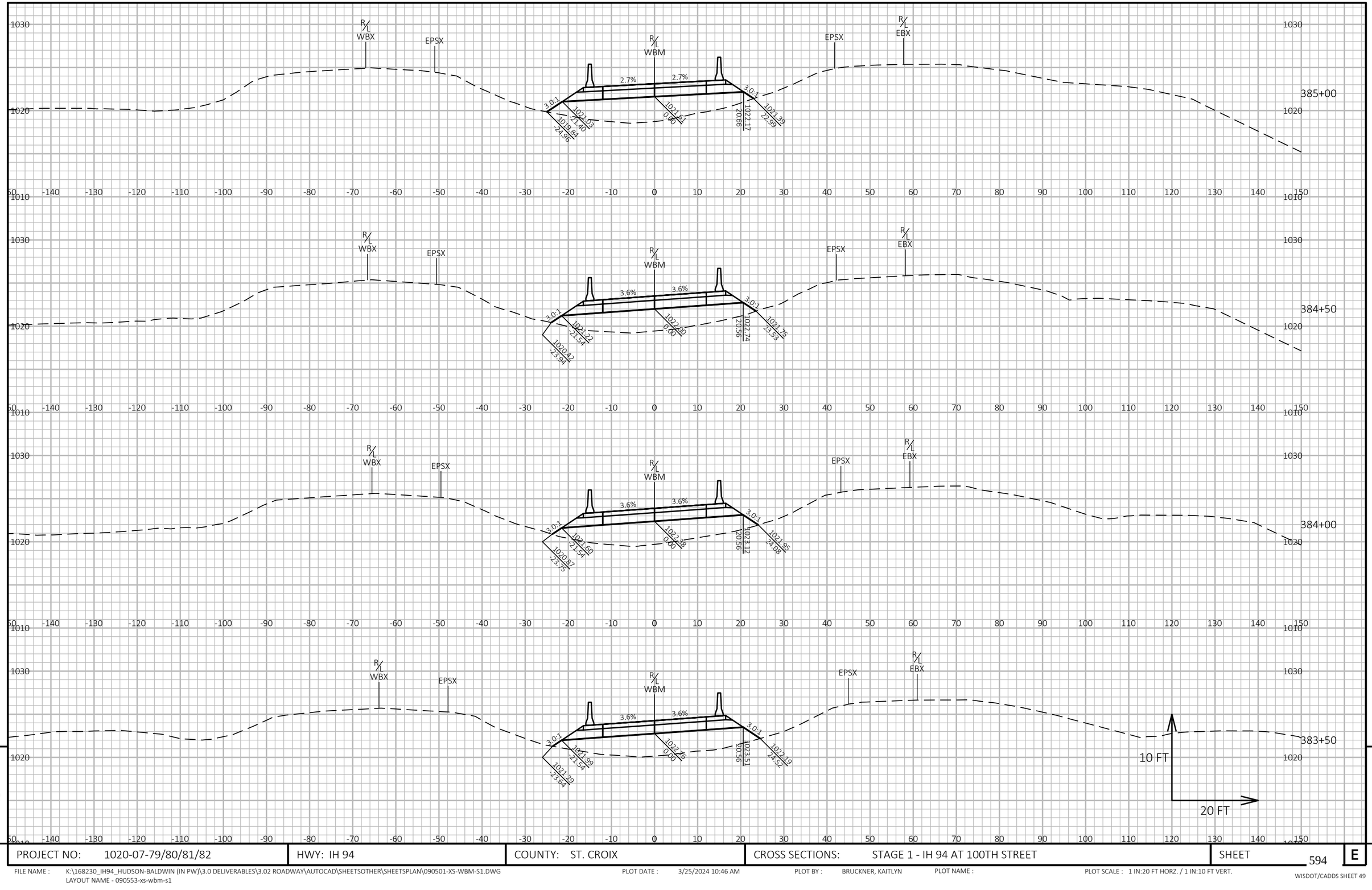
PROJECT NO: XXXX-XX-XX	HWY: XXX	COUNTY: XXX	CROSS SECTIONS: STAGE 1 - IH 94 AT 100TH STREET	SHEET 593	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\DESIGN\CORRIDORS\XS-IH94-100TH-STAGE1.DWG
LAYOUT NAME - 090552-xs-wbm-s1
PLOT DATE : 4/1/2024 10:00 PM
PLOT BY : BRUCKNER, KAITLYN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

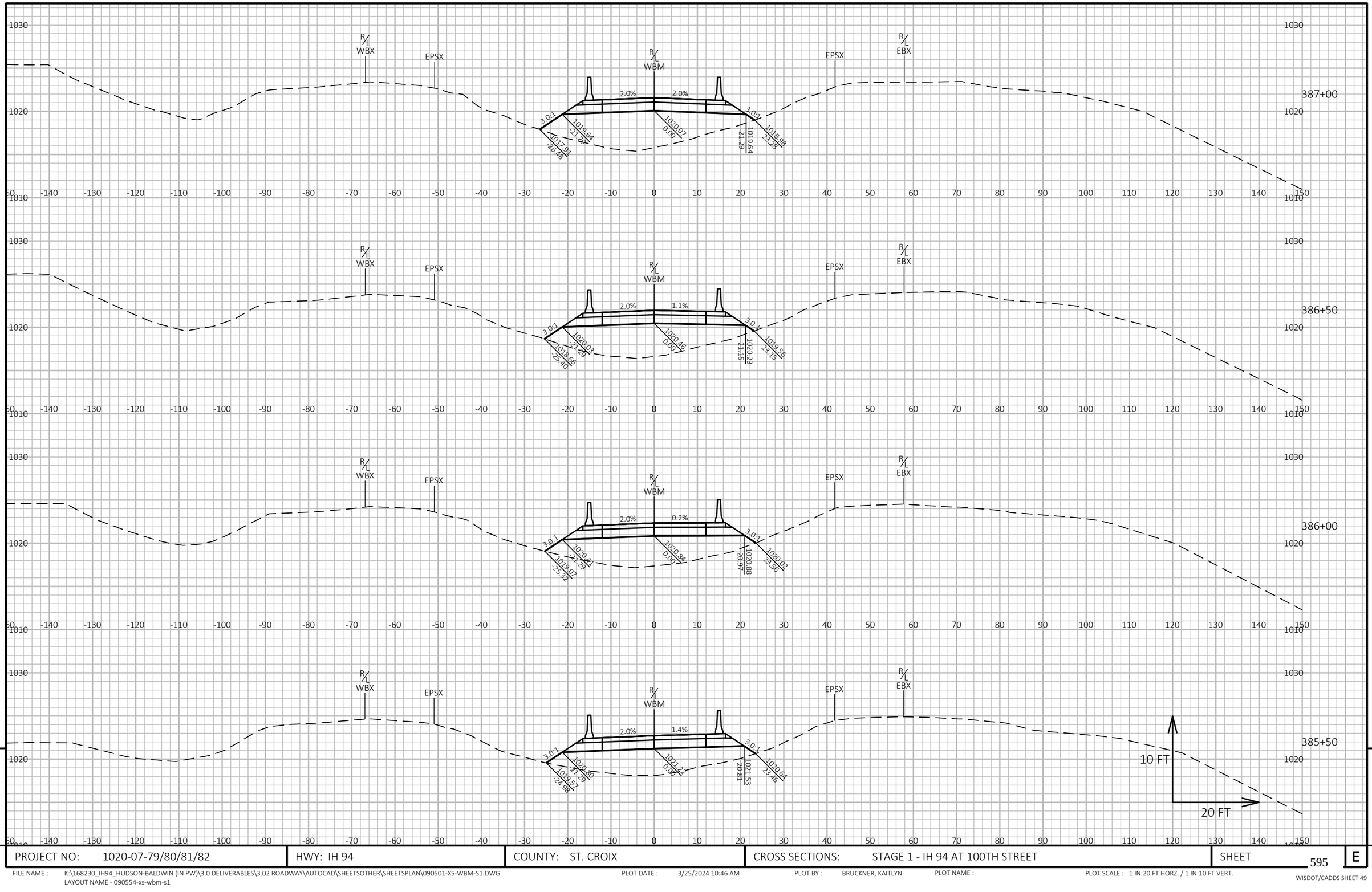


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT 100TH STREET	SHEET 594 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090553-xs-wbm-s1

PLOT DATE : 3/25/2024 10:46 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT 100TH STREET	SHEET 595	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090554-xs-wbm-s1

PLOT DATE : 3/25/2024 10:46 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

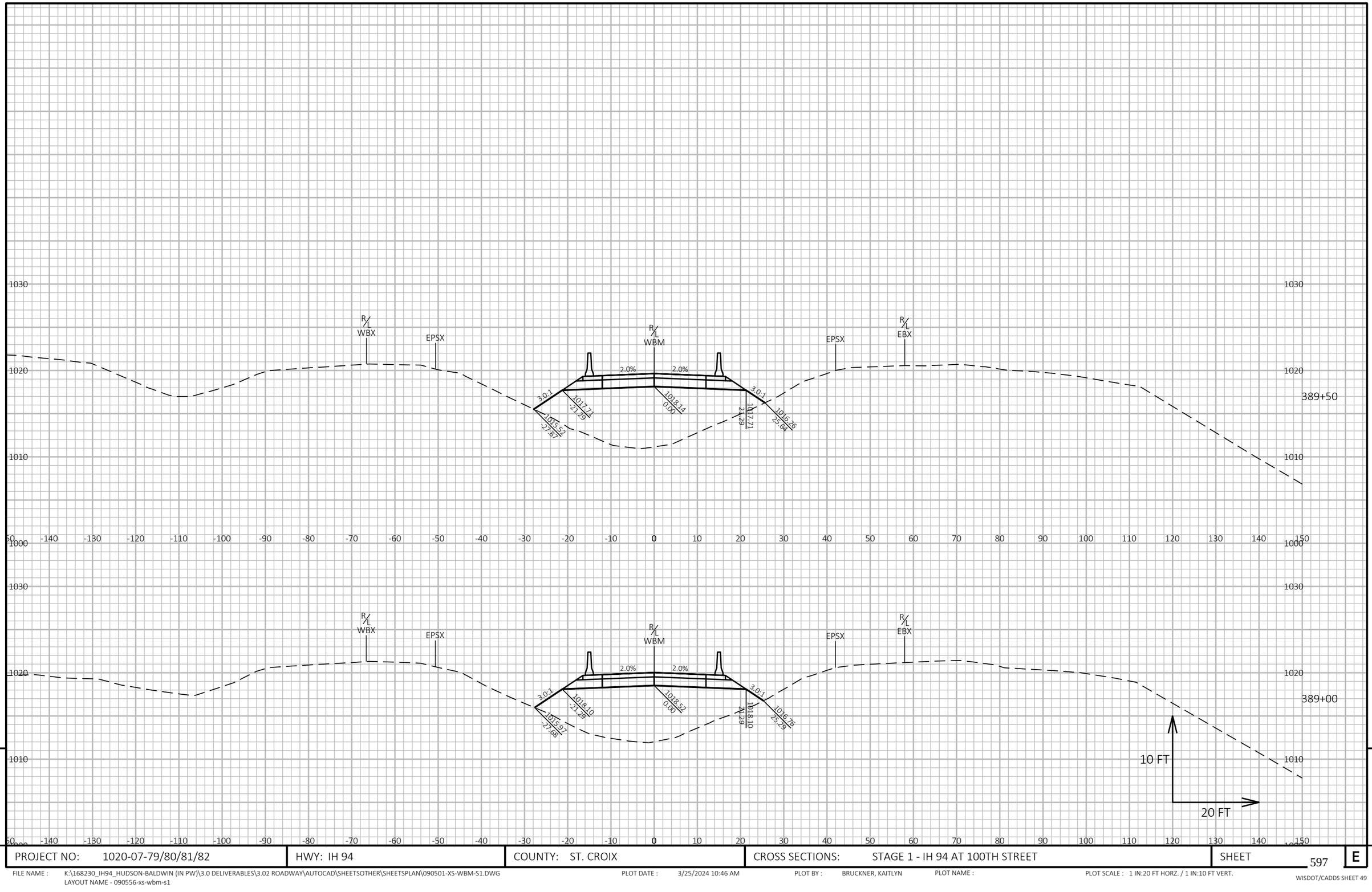
WISDOT/CADDS SHEET 49

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT 100TH STREET	SHEET 596	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090555-xs-wbm-s1

PLOT DATE : 3/25/2024 10:46 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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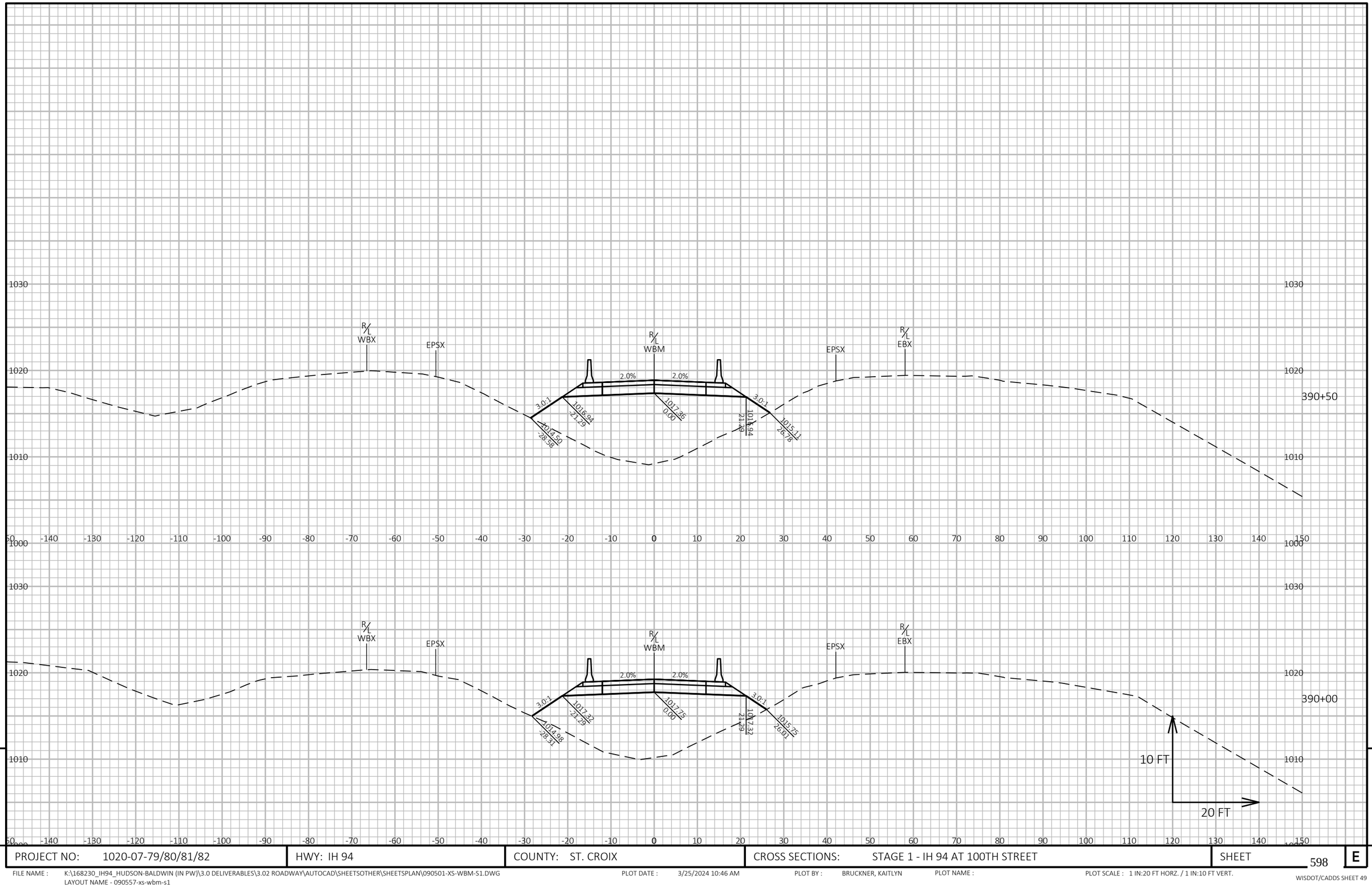
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT 100TH STREET	SHEET 597	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090556-xs-wbm-s1

PLOT DATE : 3/25/2024 10:46 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

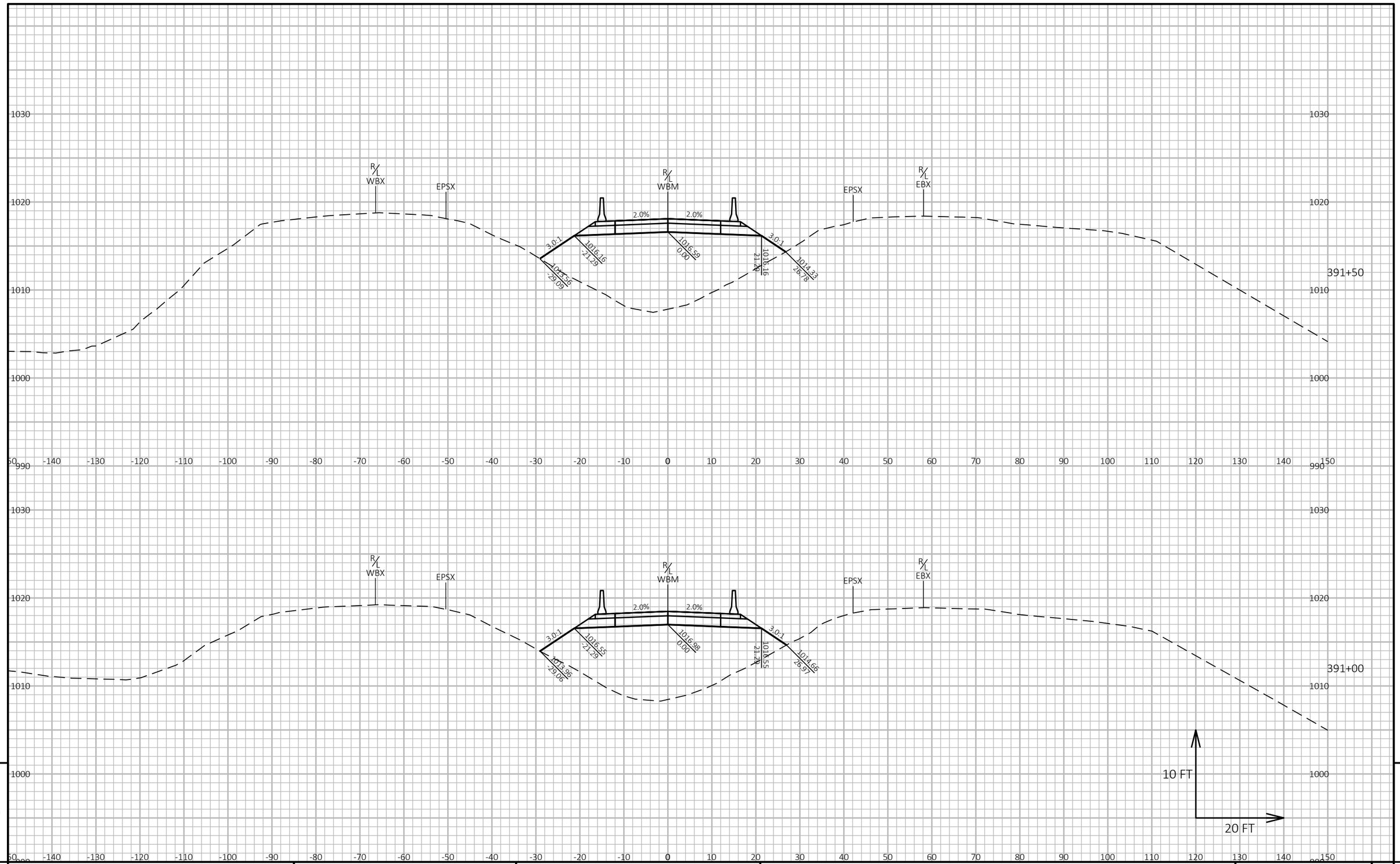


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT 100TH STREET	SHEET 598	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090557-xs-wbm-s1

PLOT DATE : 3/25/2024 10:46 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

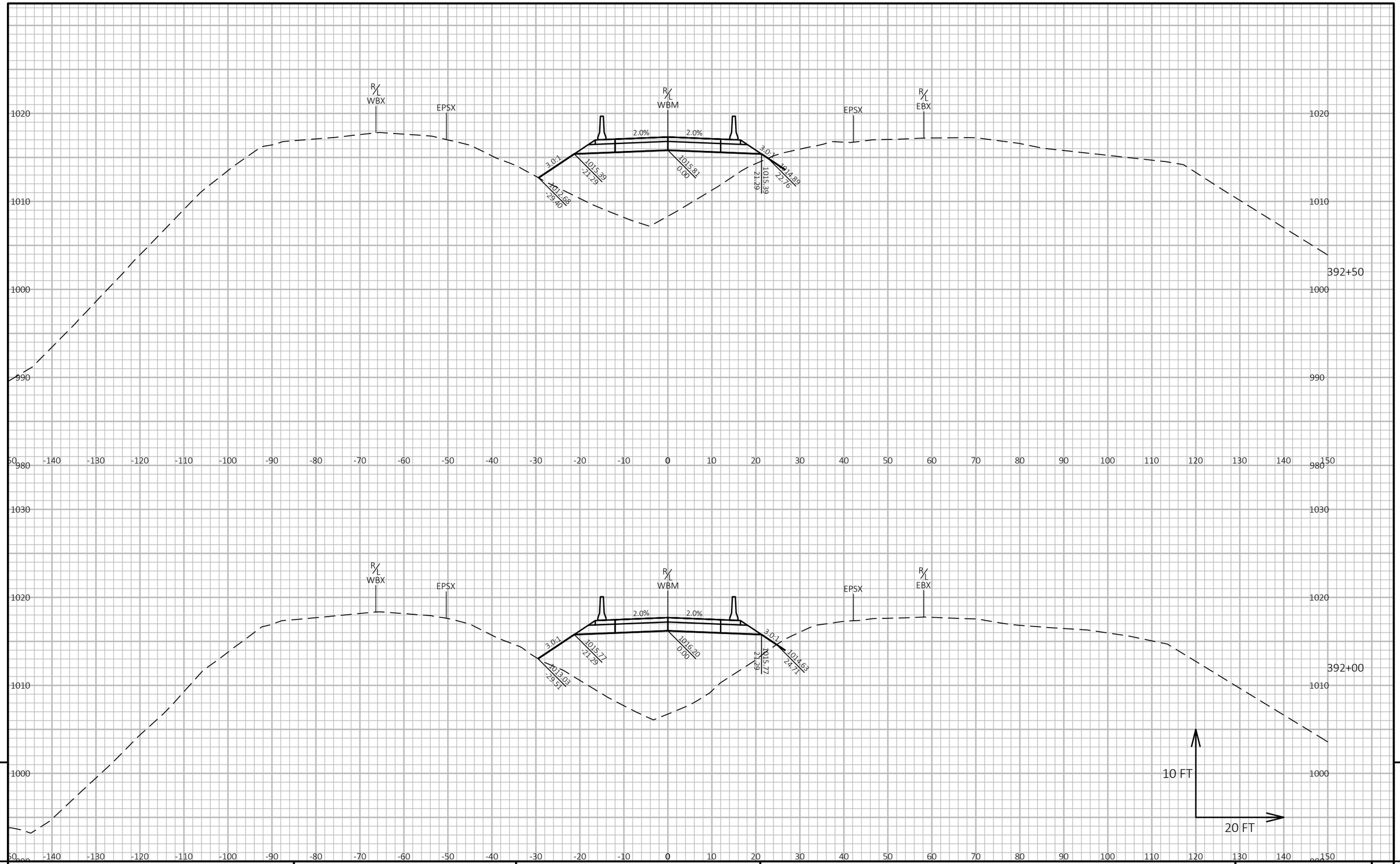


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT 100TH STREET	SHEET 599	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090558-xs-wbm-s1

PLOT DATE : 3/25/2024 10:46 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT 100TH STREET	SHEET 600	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090559-xs-wbm-s1

PLOT DATE : 3/25/2024 10:46 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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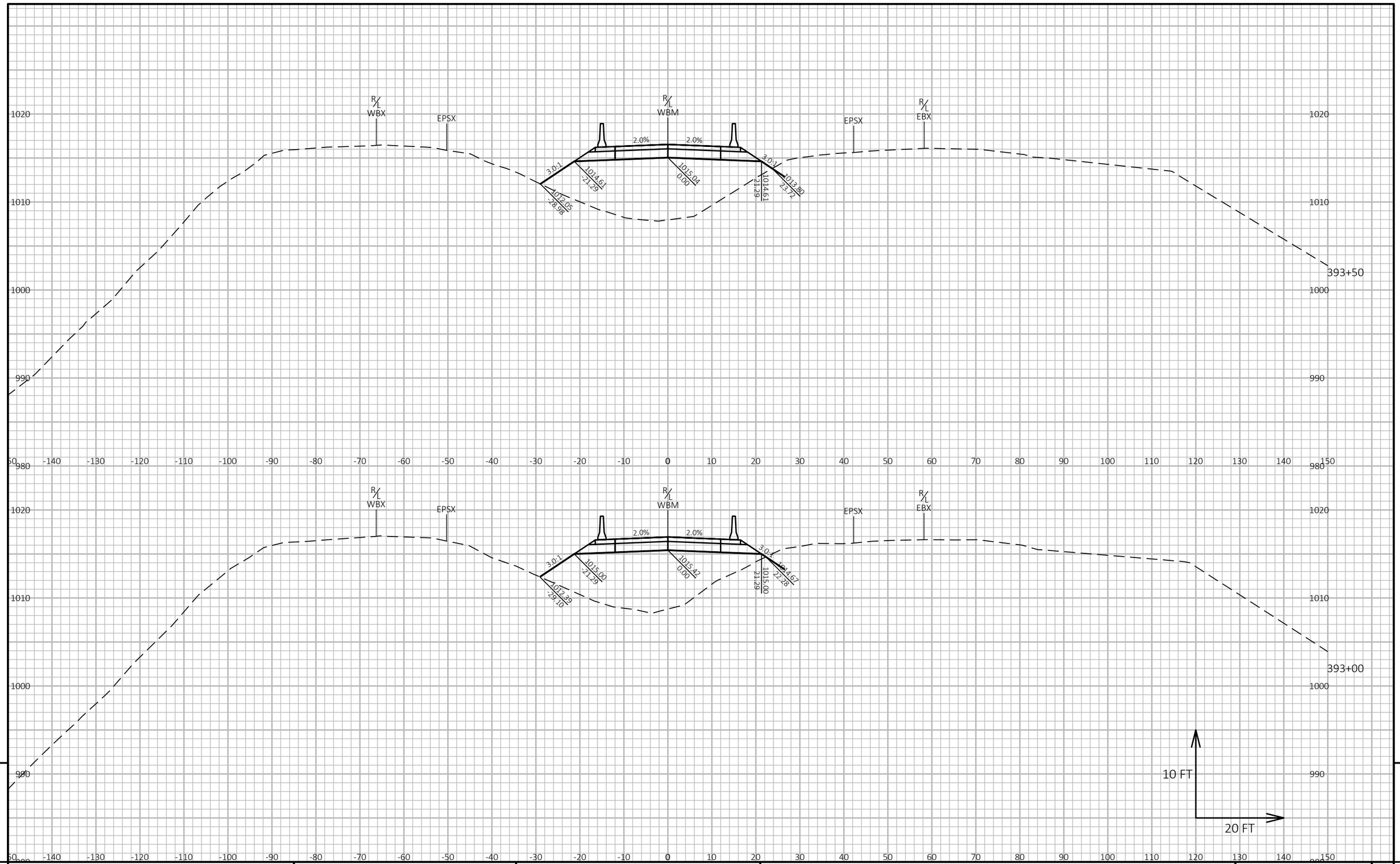
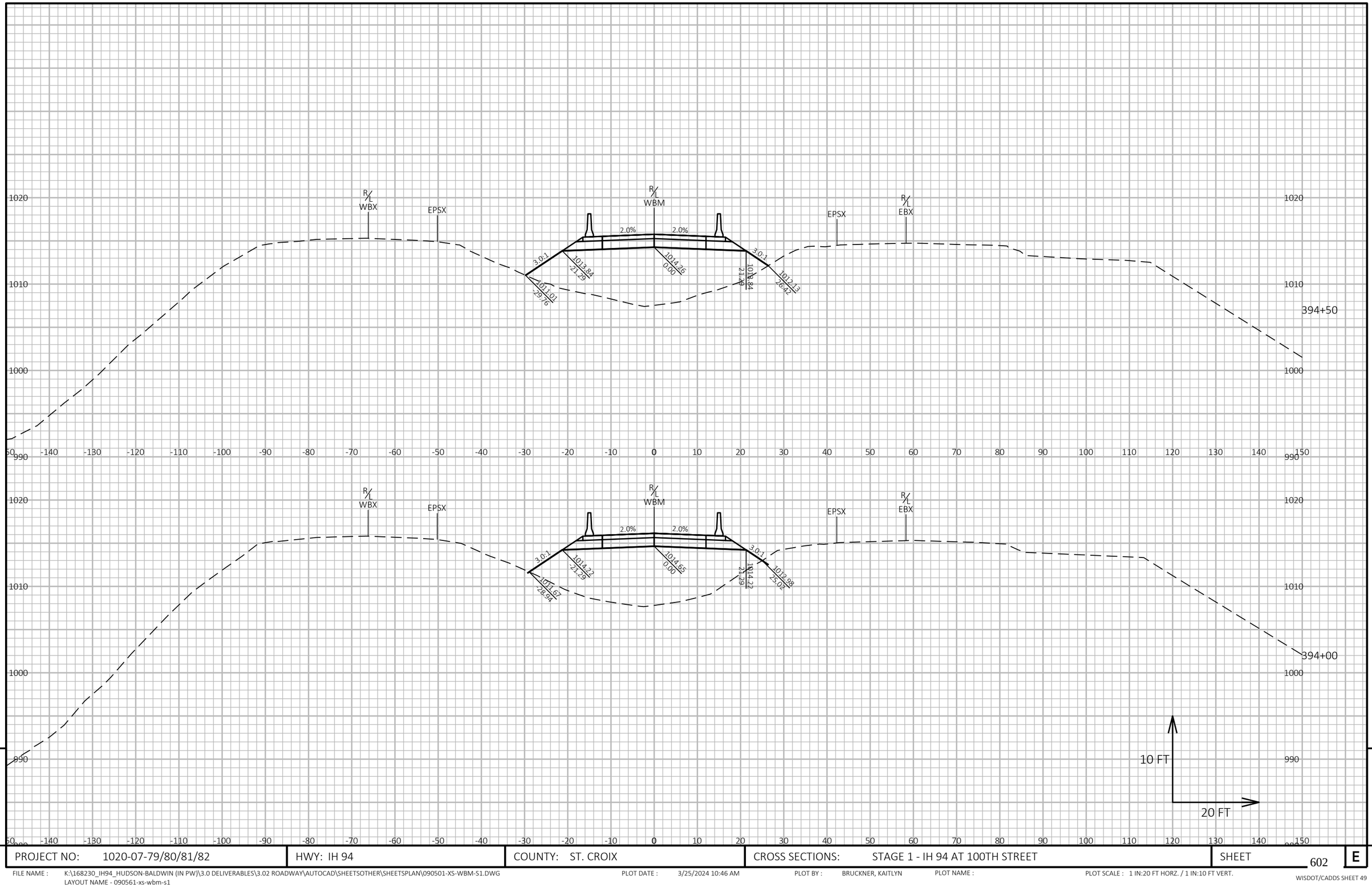


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT 100TH STREET	SHEET 601	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090560-xs-wbm-s1

PLOT DATE : 3/25/2024 10:46 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

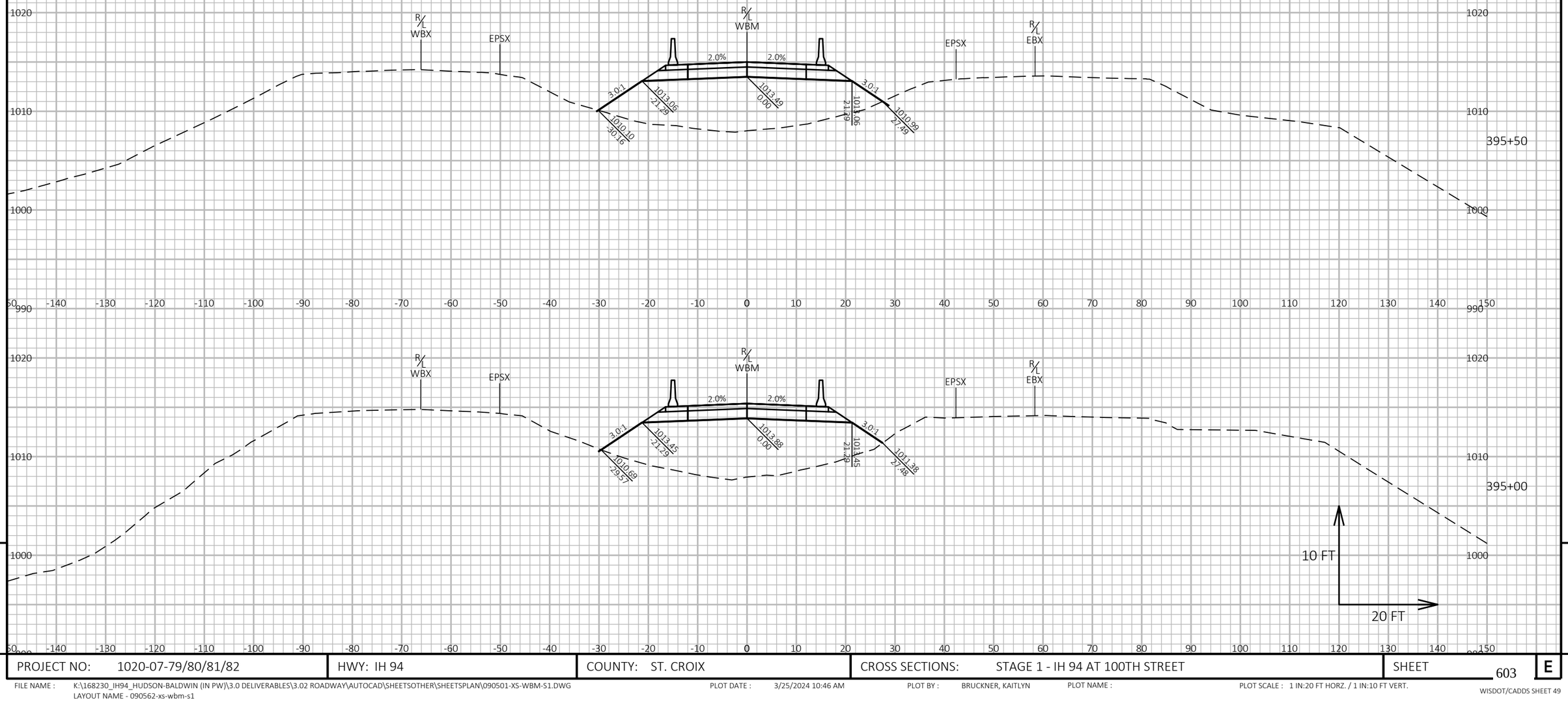


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT 100TH STREET	SHEET 602	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090561-xs-wbm-s1

PLOT DATE : 3/25/2024 10:46 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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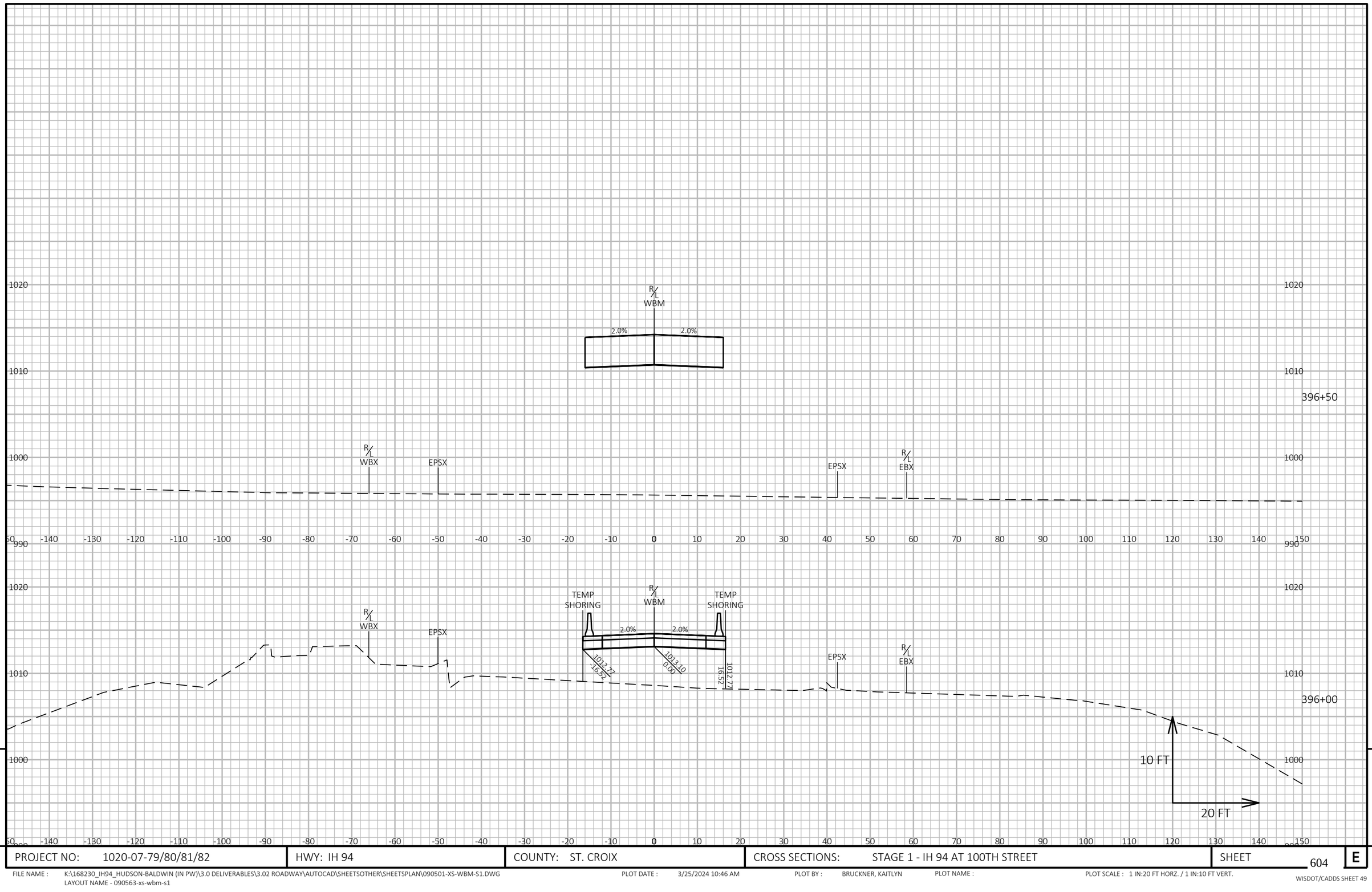
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT 100TH STREET	SHEET 603	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090562-xs-wbm-s1

PLOT DATE : 3/25/2024 10:46 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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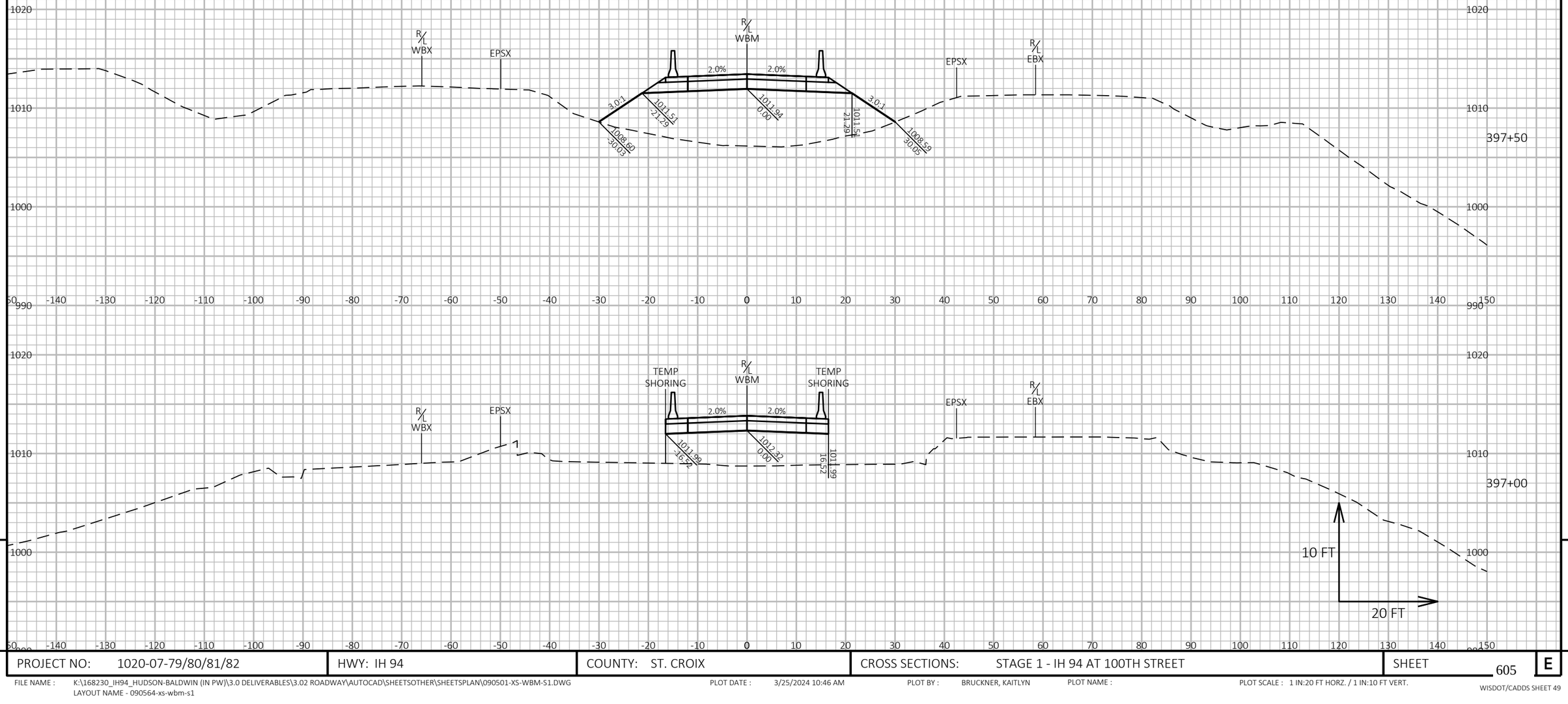
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT 100TH STREET	SHEET 604	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090563-xs-wbm-s1

PLOT DATE : 3/25/2024 10:46 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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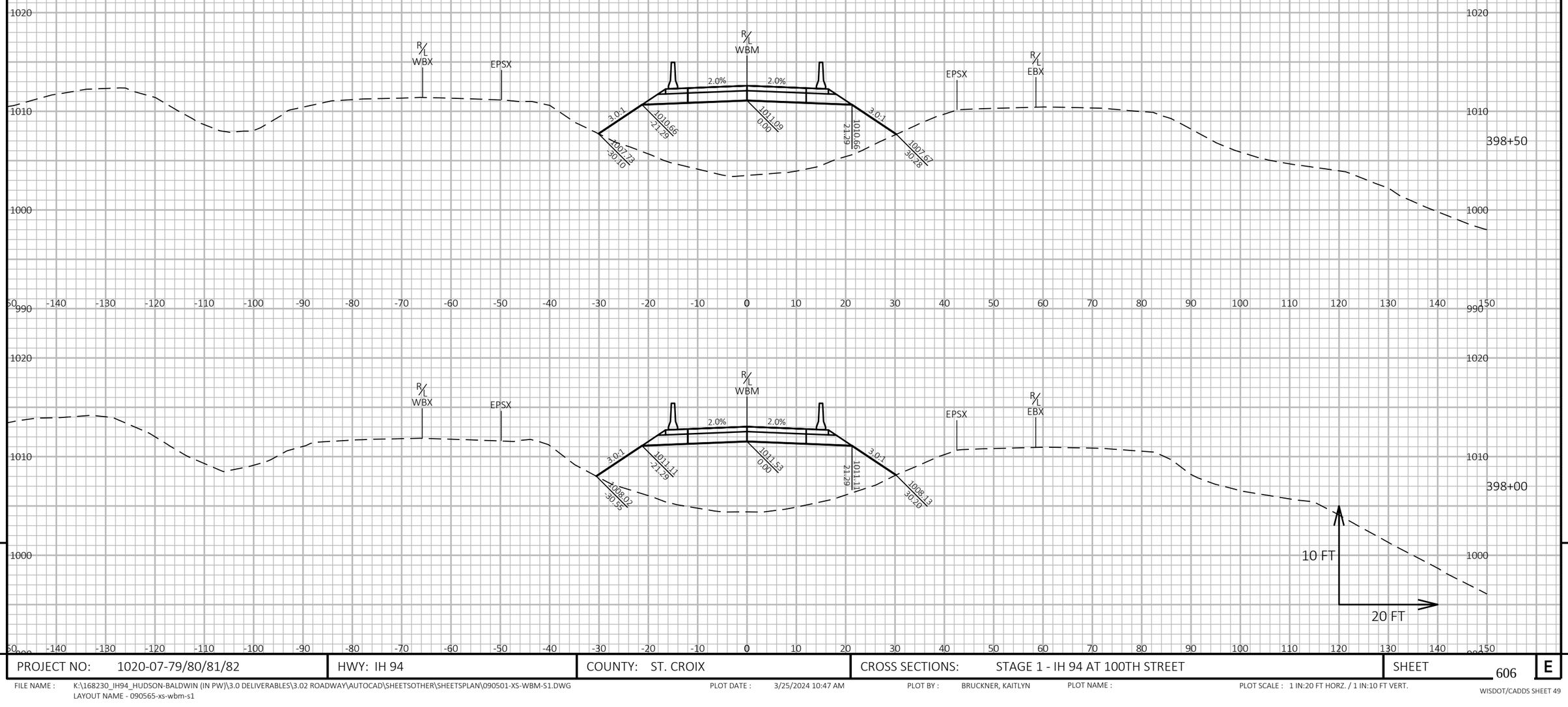
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT 100TH STREET	SHEET 605	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090564-xs-wbm-s1

PLOT DATE : 3/25/2024 10:46 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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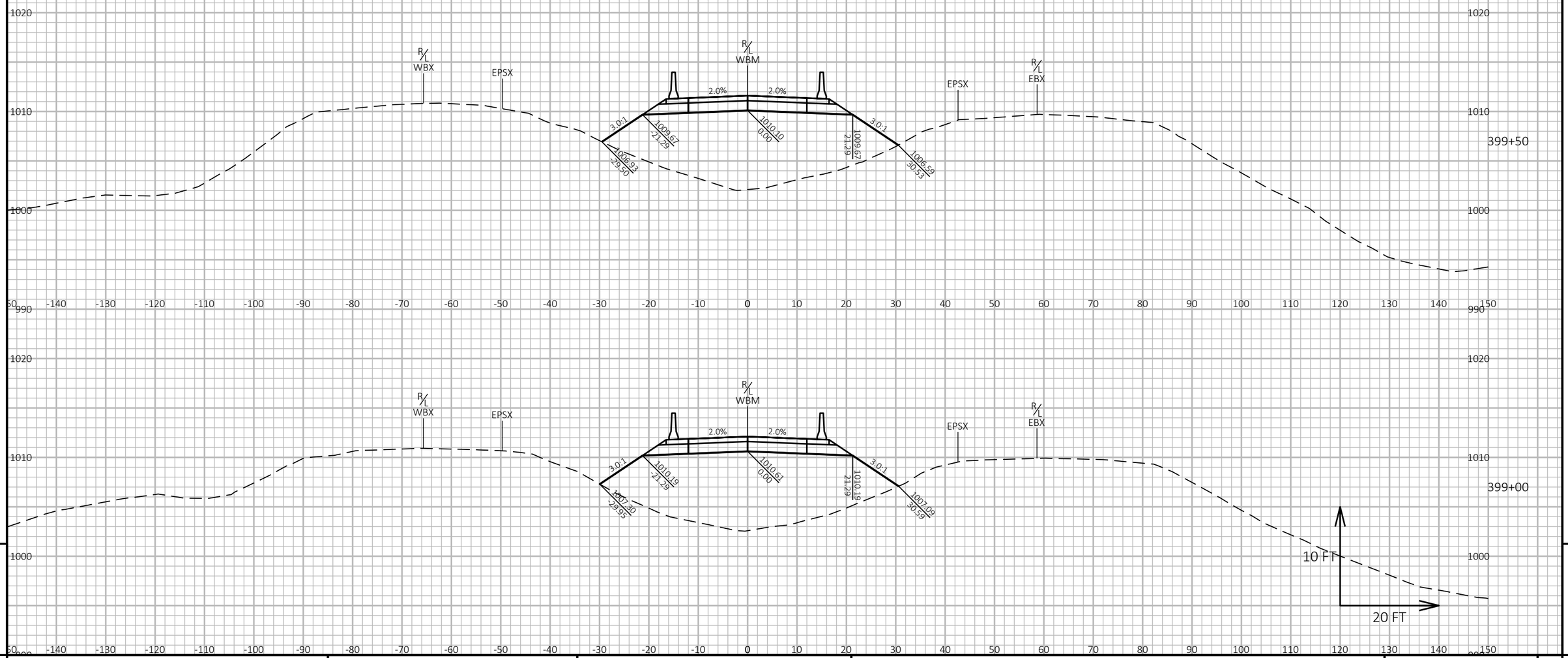
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT 100TH STREET	SHEET 606	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090565-xs-wbm-s1

PLOT DATE : 3/25/2024 10:47 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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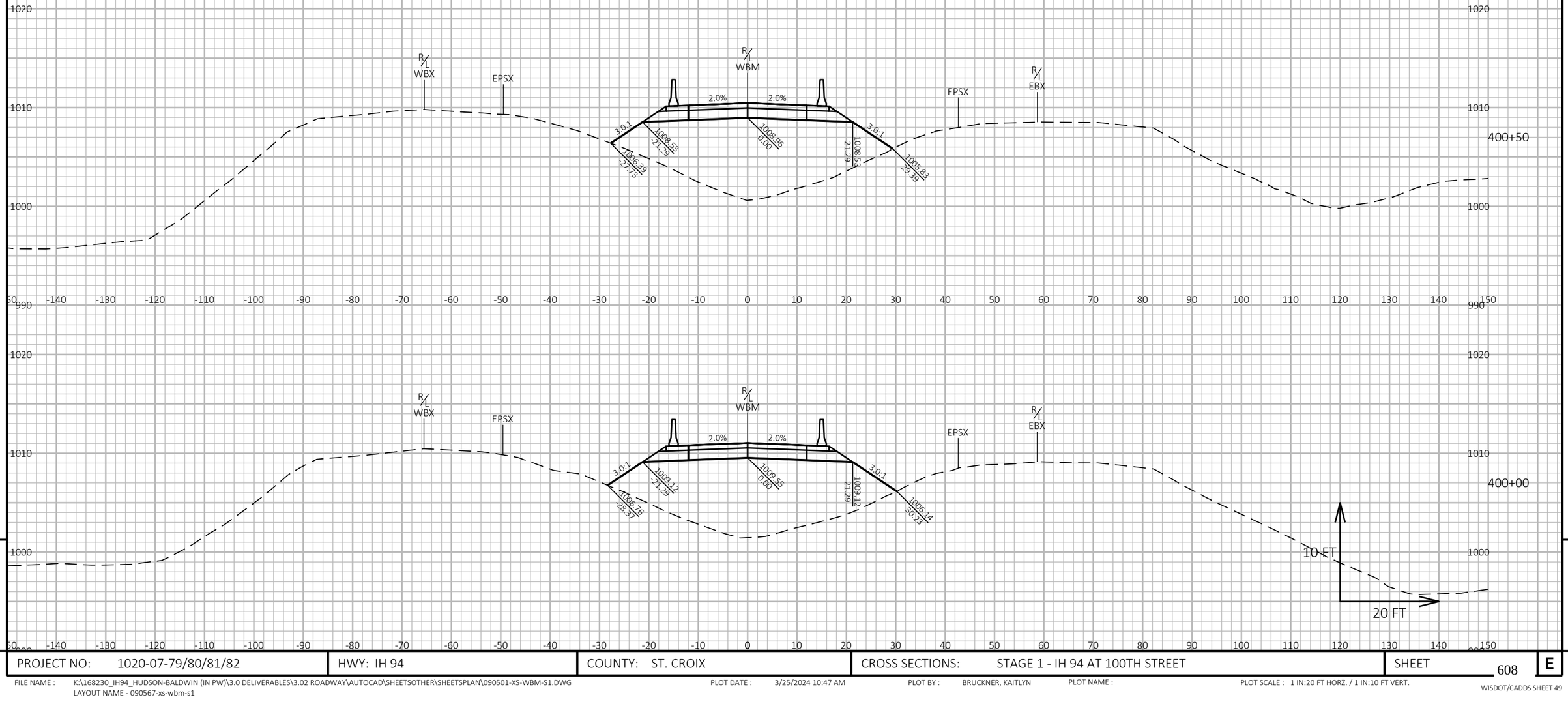
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT 100TH STREET	SHEET 607	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090566-xs-wbm-s1

PLOT DATE : 3/25/2024 10:47 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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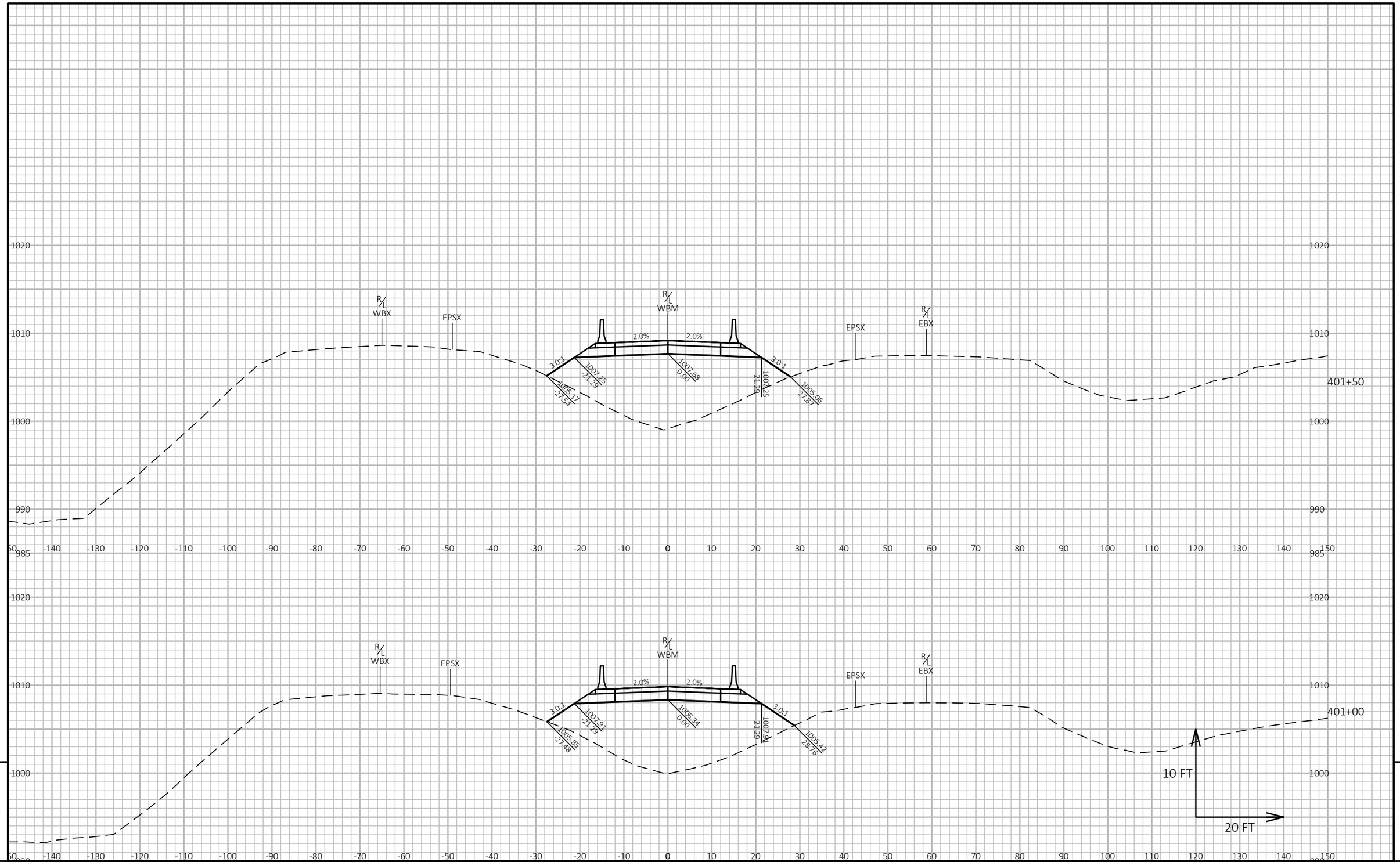
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT 100TH STREET	SHEET 608	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090567-xs-wbm-s1

PLOT DATE : 3/25/2024 10:47 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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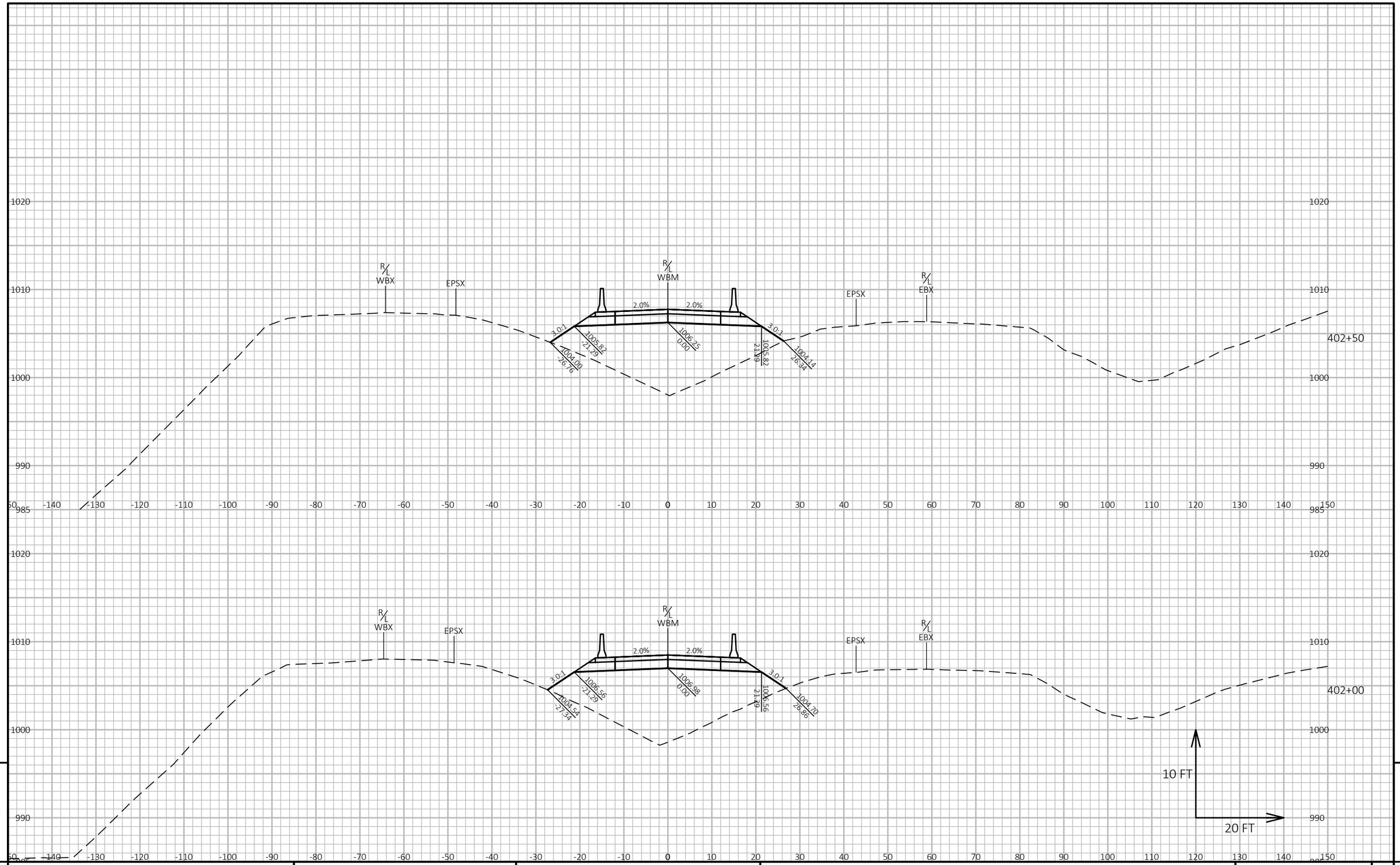
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT 100TH STREET	SHEET 609	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090568-xs-wbm-s1

PLOT DATE : 3/25/2024 10:47 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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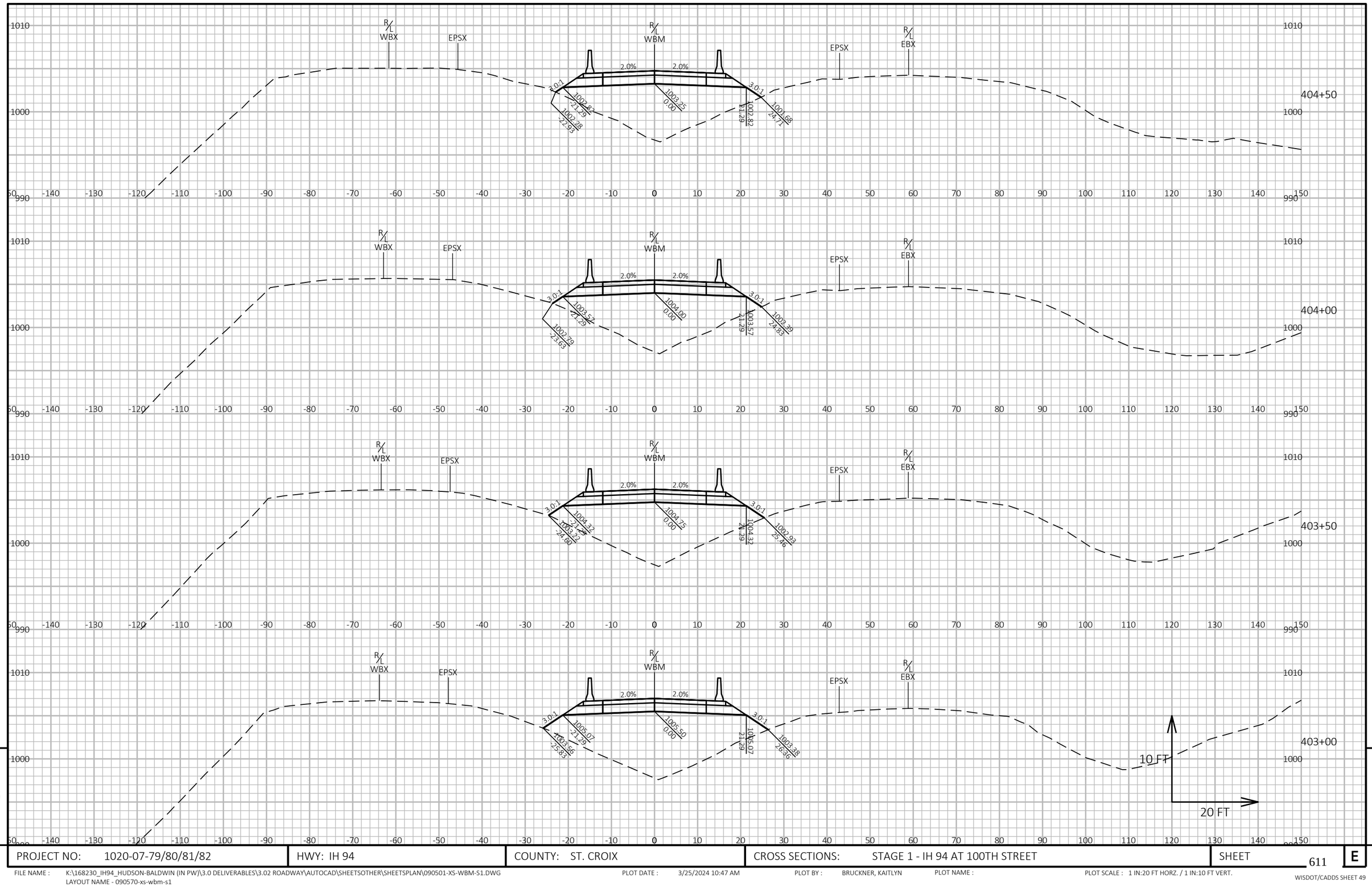
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT 100TH STREET	SHEET 610	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090569-xs-wbm-s1

PLOT DATE : 3/25/2024 10:47 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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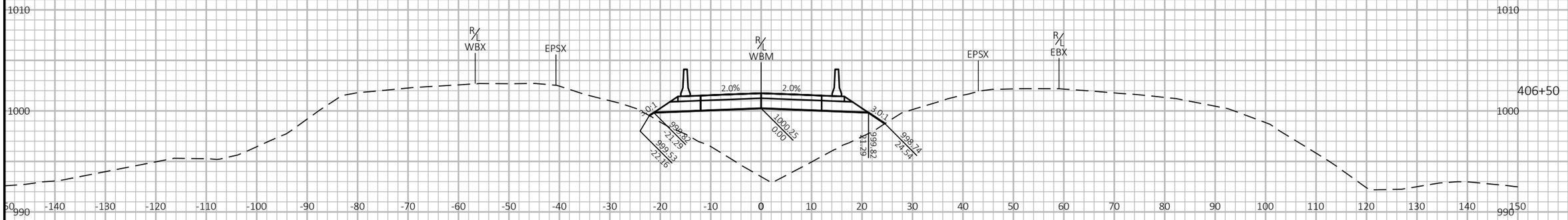
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT 100TH STREET	SHEET 611	E

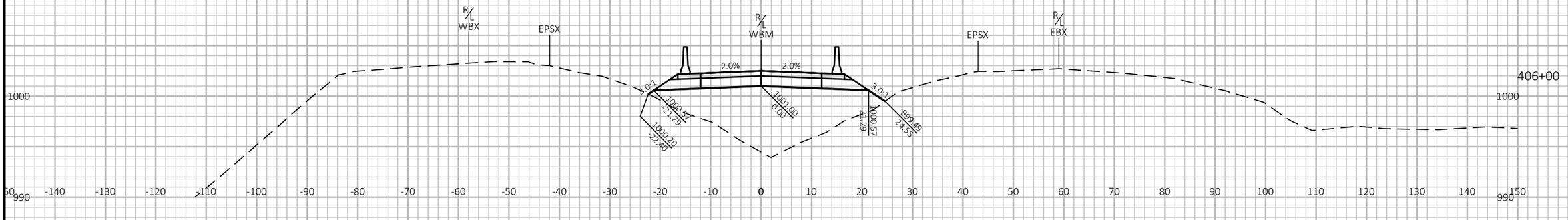
FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090570-xs-wbm-s1

PLOT DATE : 3/25/2024 10:47 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

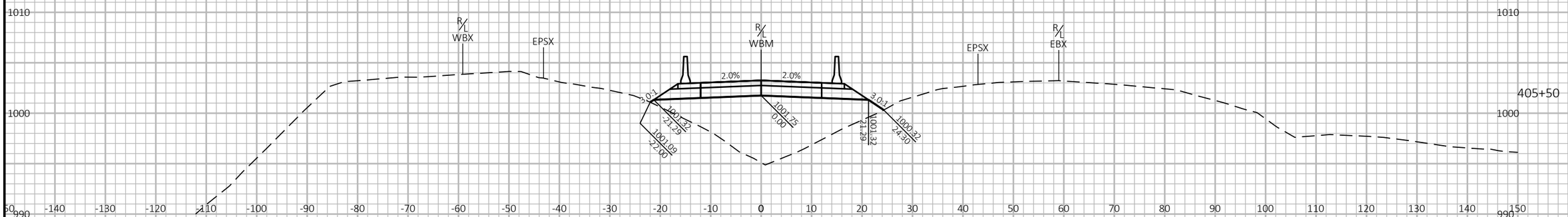
406+50



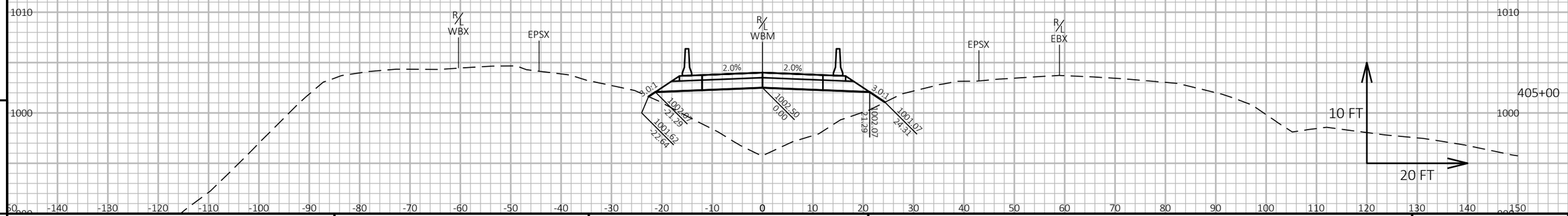
406+00



405+50



405+00



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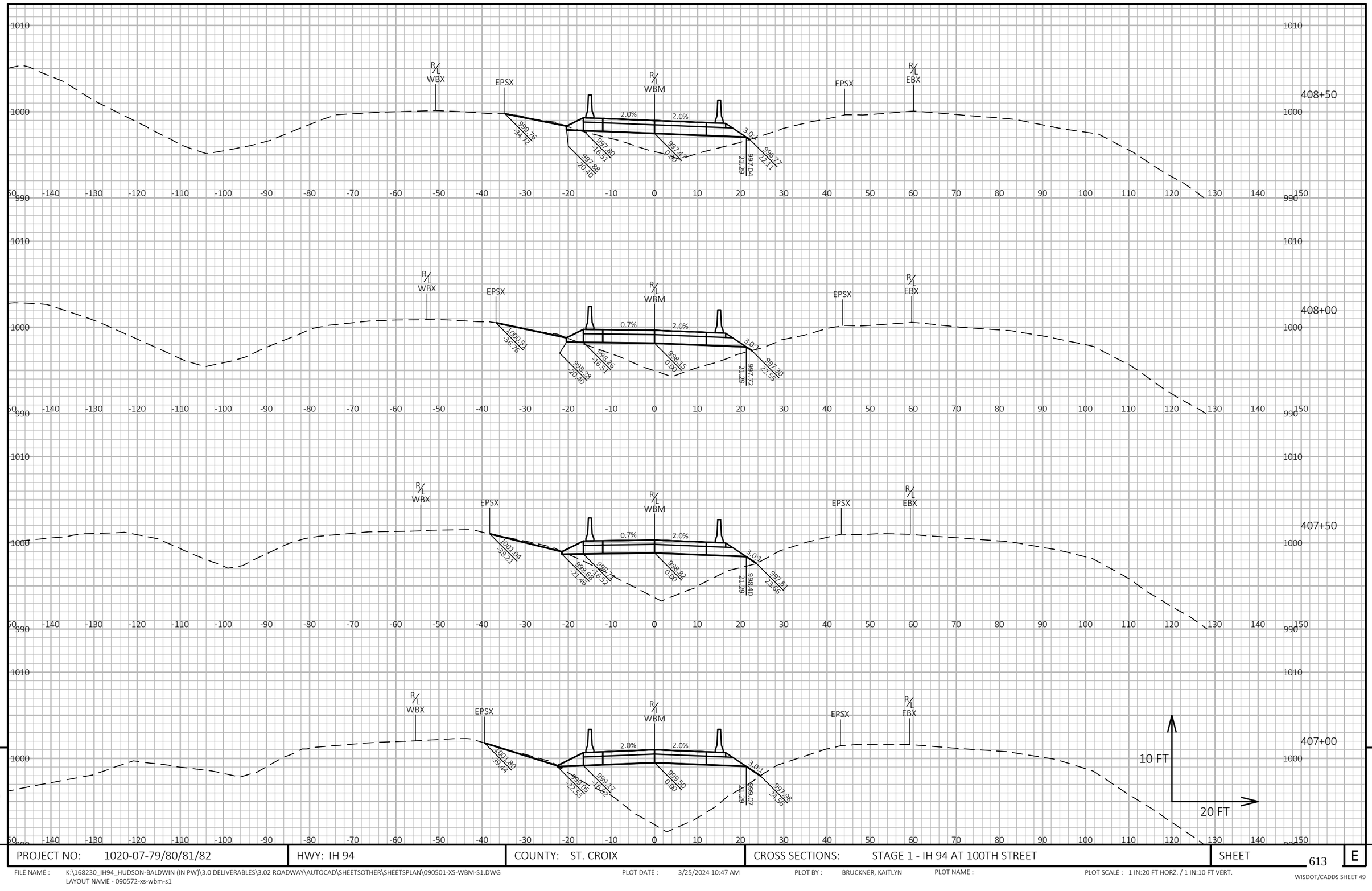
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT 100TH STREET	SHEET 612	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090571-xs-wbm-s1

PLOT DATE : 3/25/2024 10:47 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

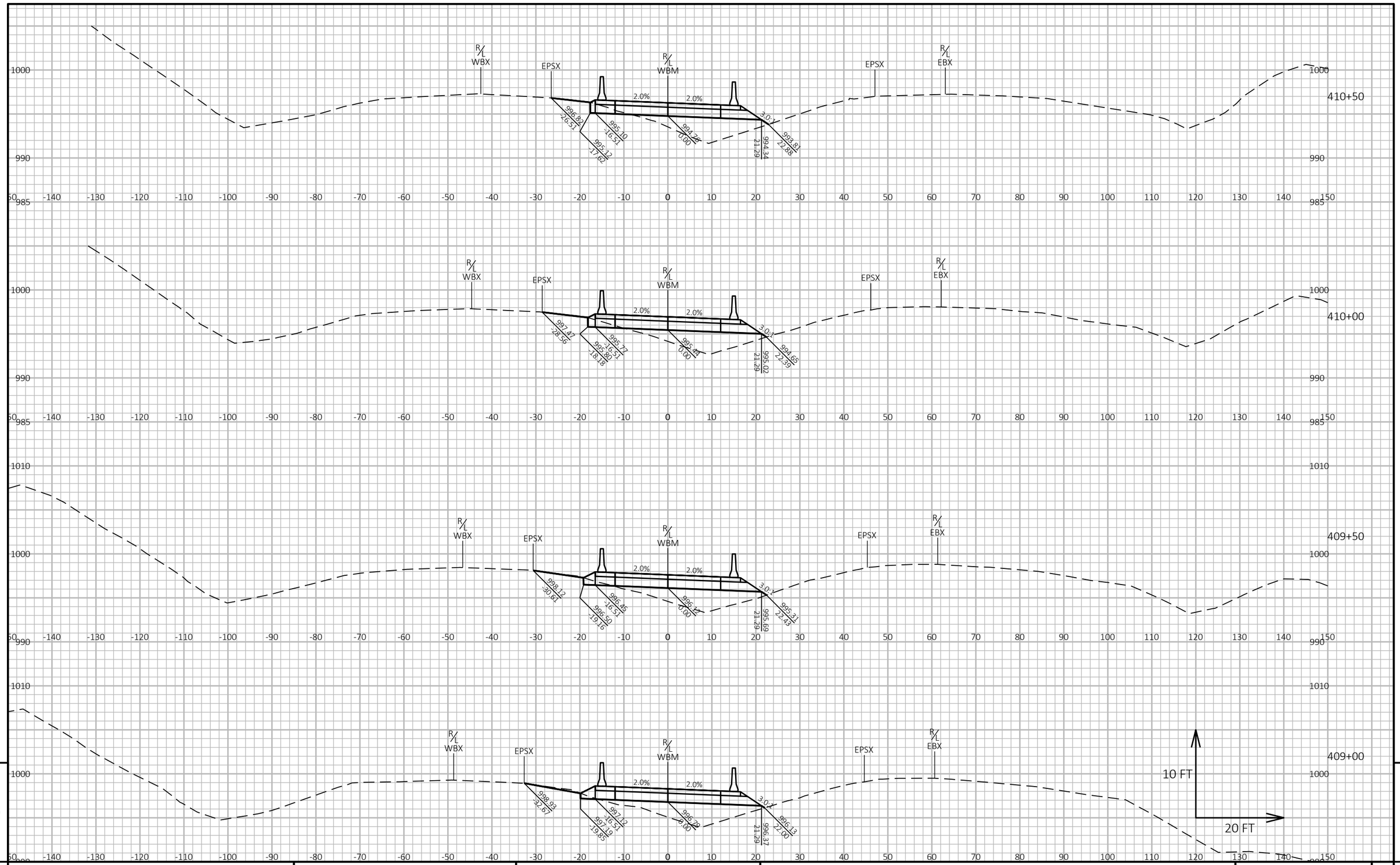


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT 100TH STREET	SHEET 613	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090572-xs-wbm-s1

PLOT DATE : 3/25/2024 10:47 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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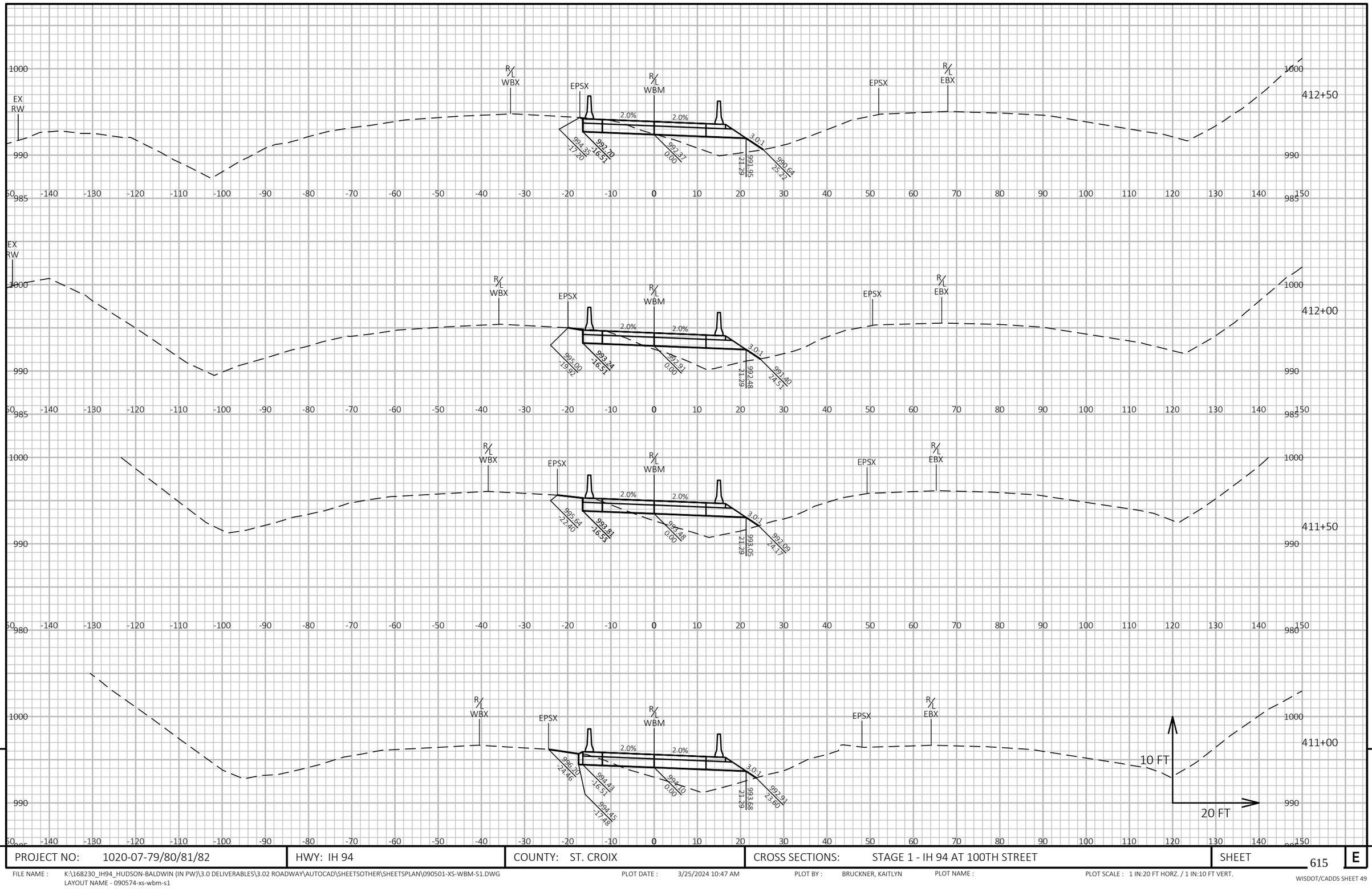
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT 100TH STREET	SHEET 614	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090573-xs-wbm-s1

PLOT DATE : 3/25/2024 10:47 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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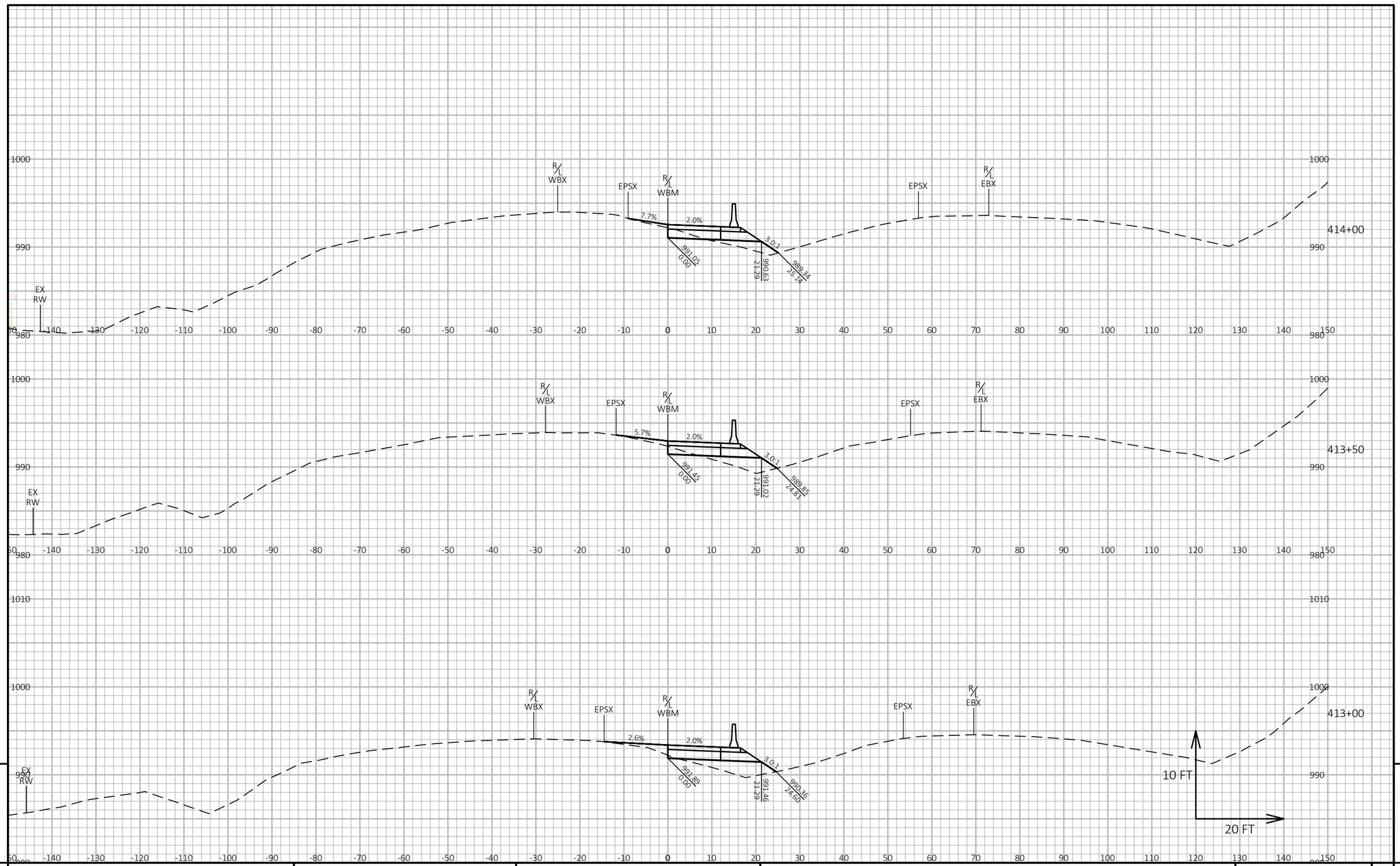
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT 100TH STREET	SHEET 615	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090574-xs-wbm-s1

PLOT DATE : 3/25/2024 10:47 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

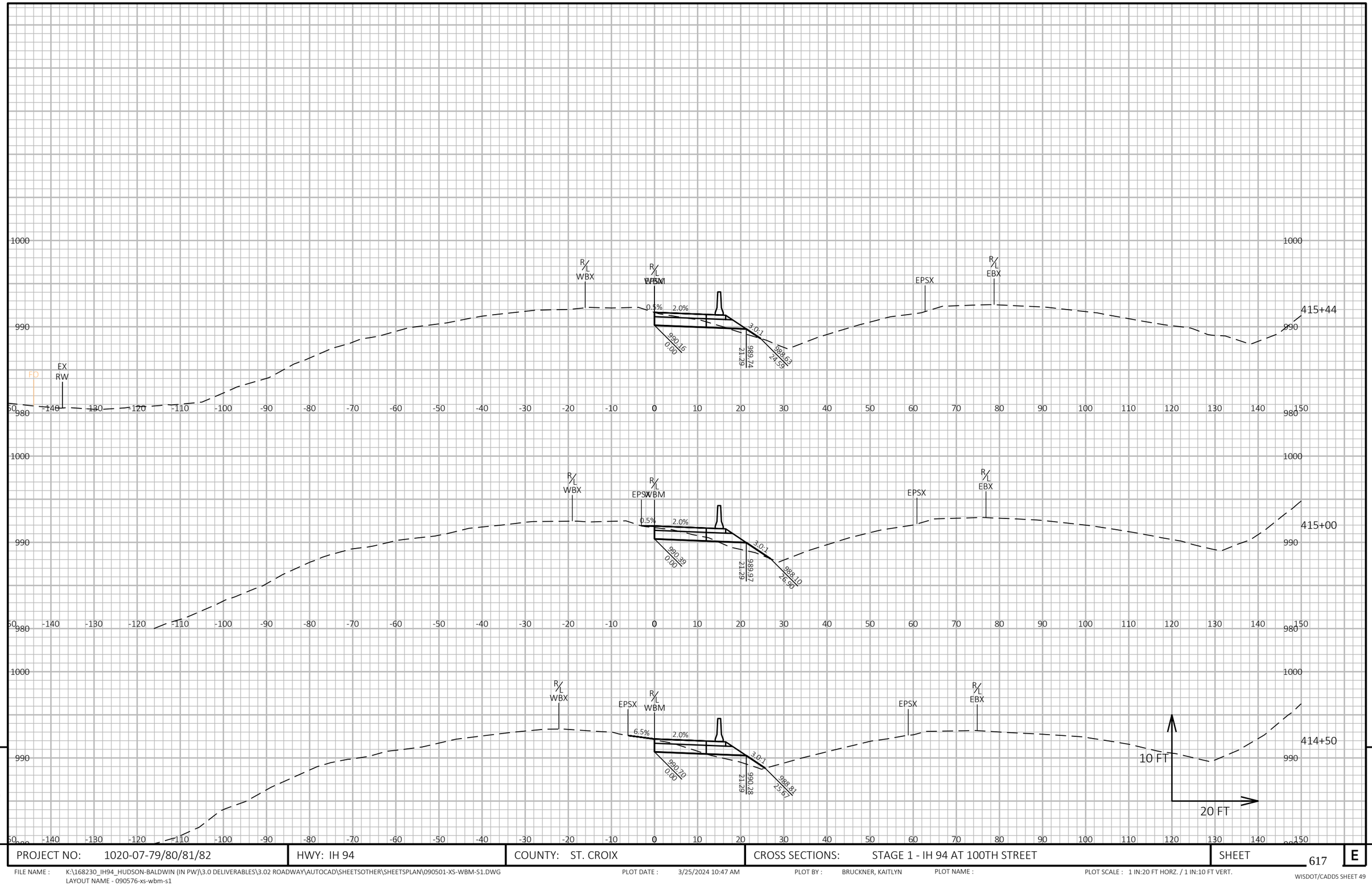


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT 100TH STREET	SHEET 616 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090575-xs-wbm-s1

PLOT DATE : 3/25/2024 10:47 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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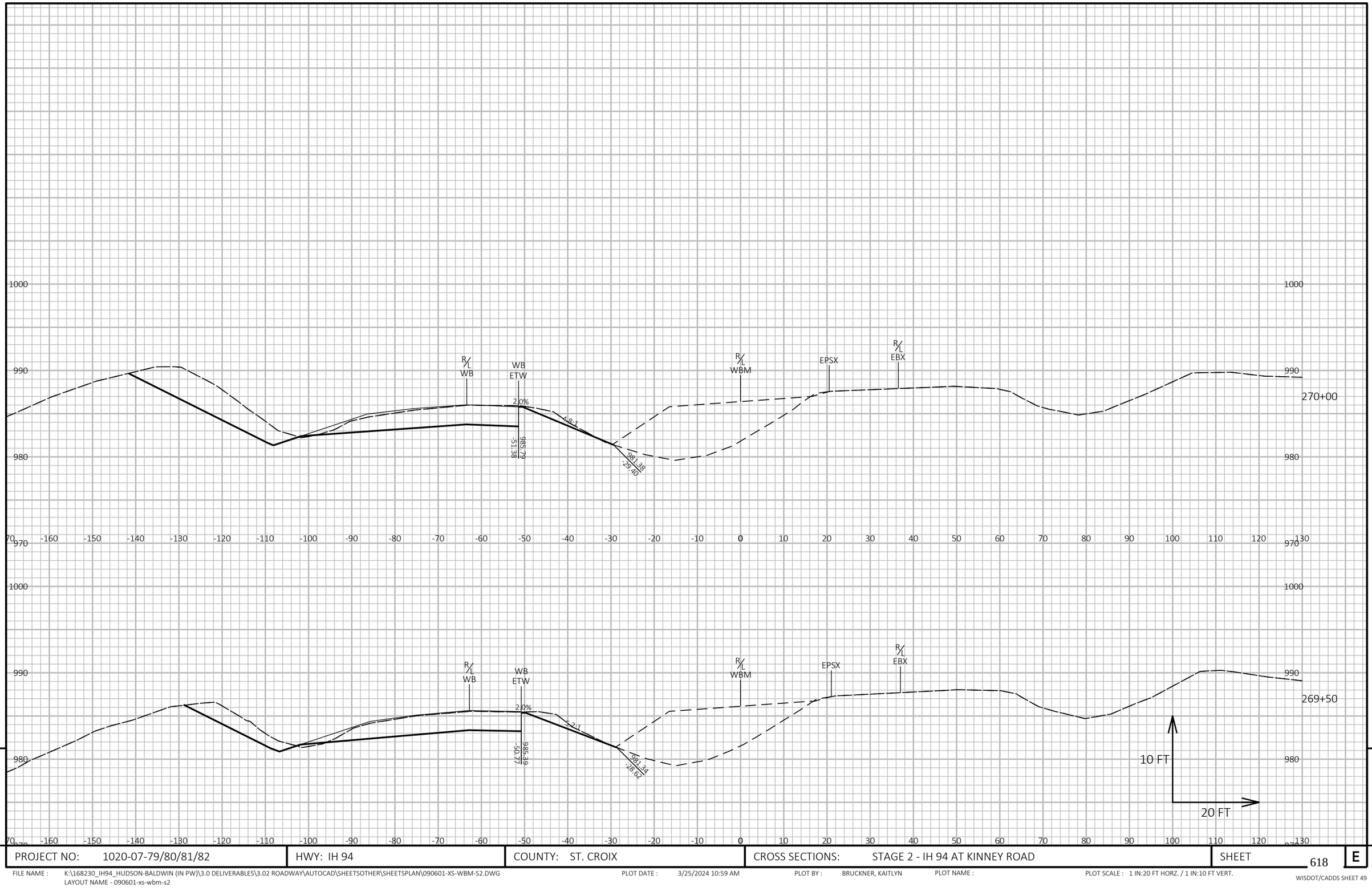
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 1 - IH 94 AT 100TH STREET	SHEET 617	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090501-XS-WBM-S1.DWG
LAYOUT NAME - 090576-xs-wbm-s1

PLOT DATE : 3/25/2024 10:47 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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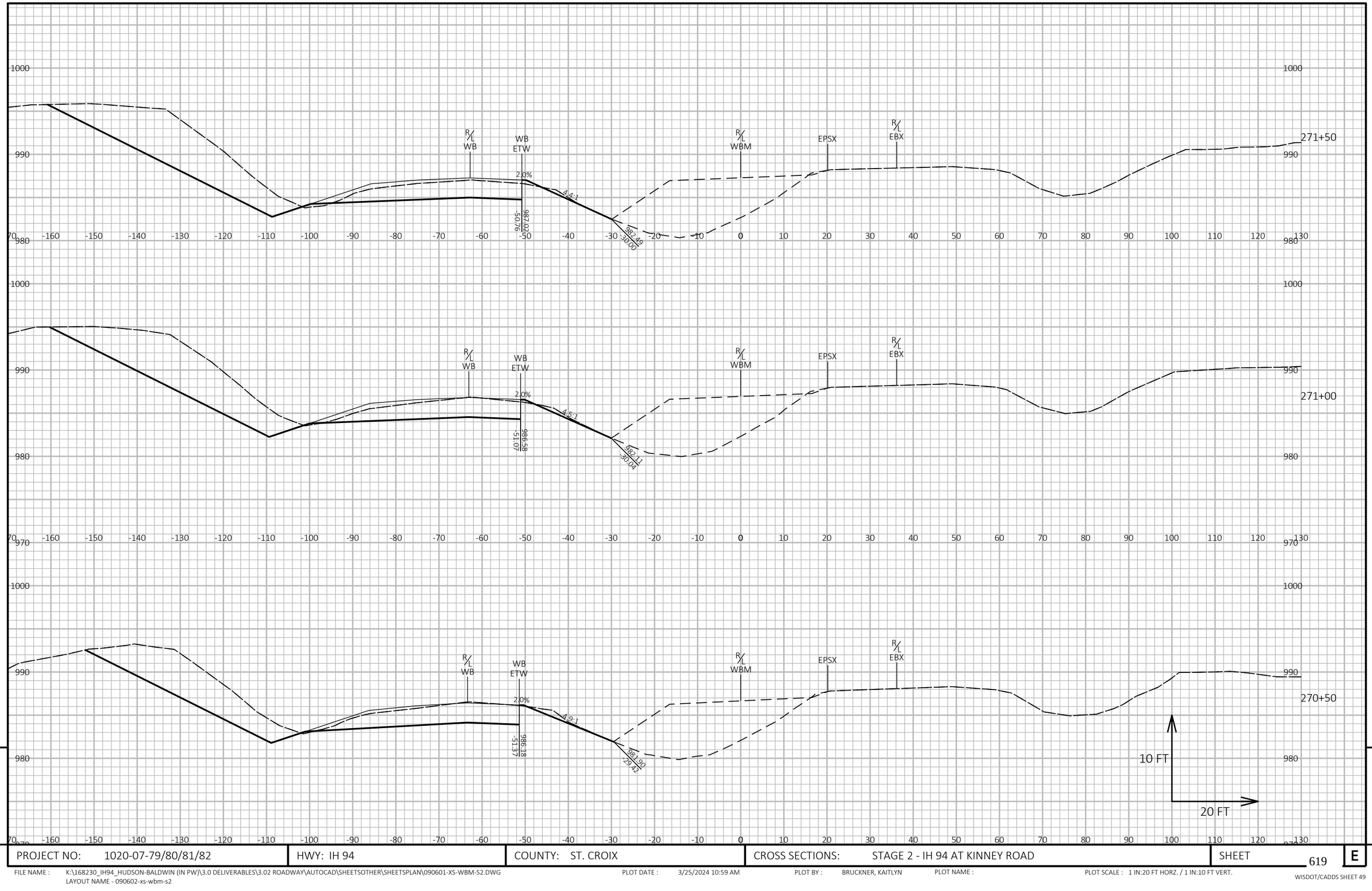
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT KINNEY ROAD	SHEET 618	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090601-xs-wbm-s2

PLOT DATE : 3/25/2024 10:59 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

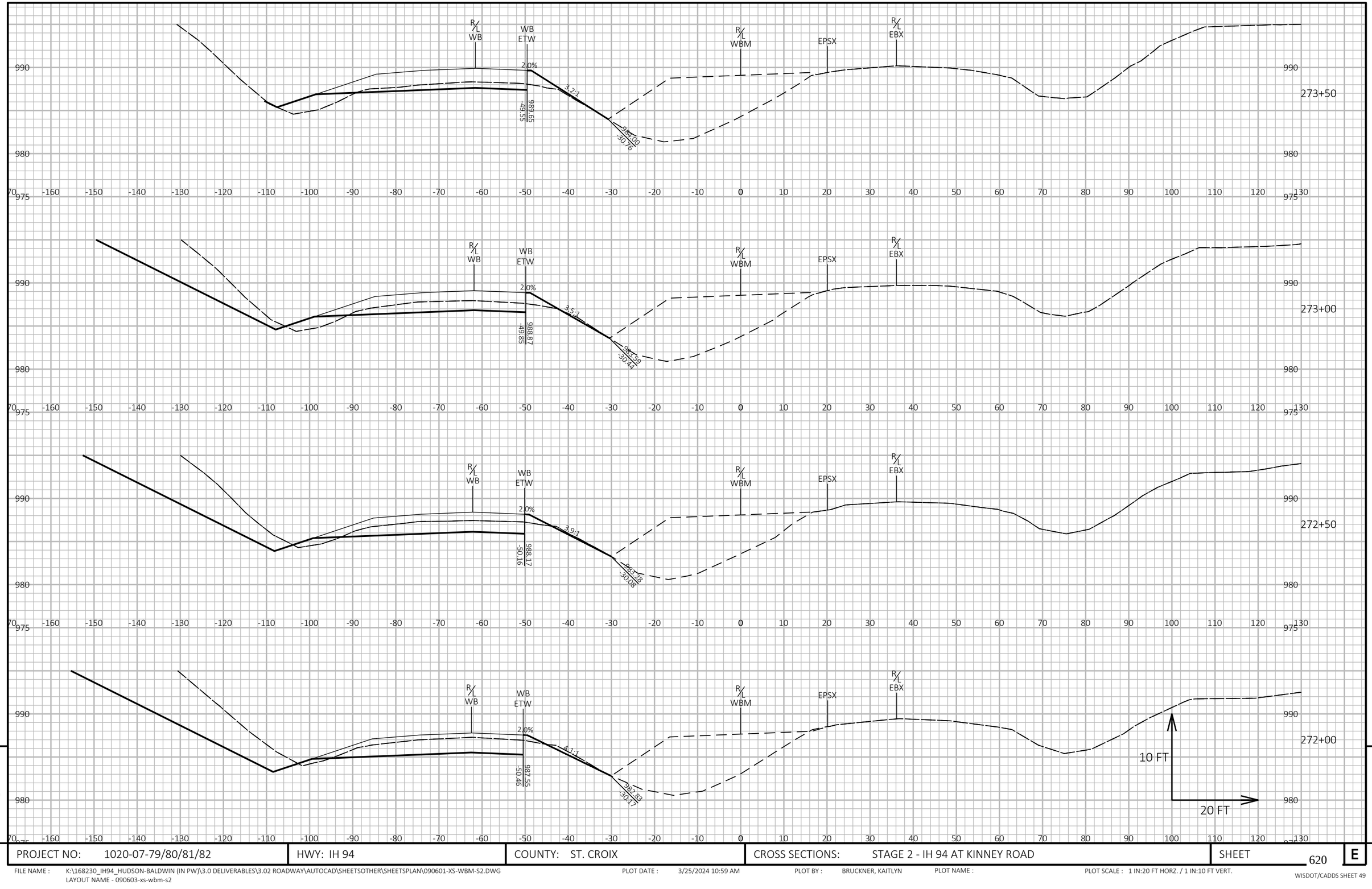


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT KINNEY ROAD	SHEET 619	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090602-xs-wbm-s2

PLOT DATE : 3/25/2024 10:59 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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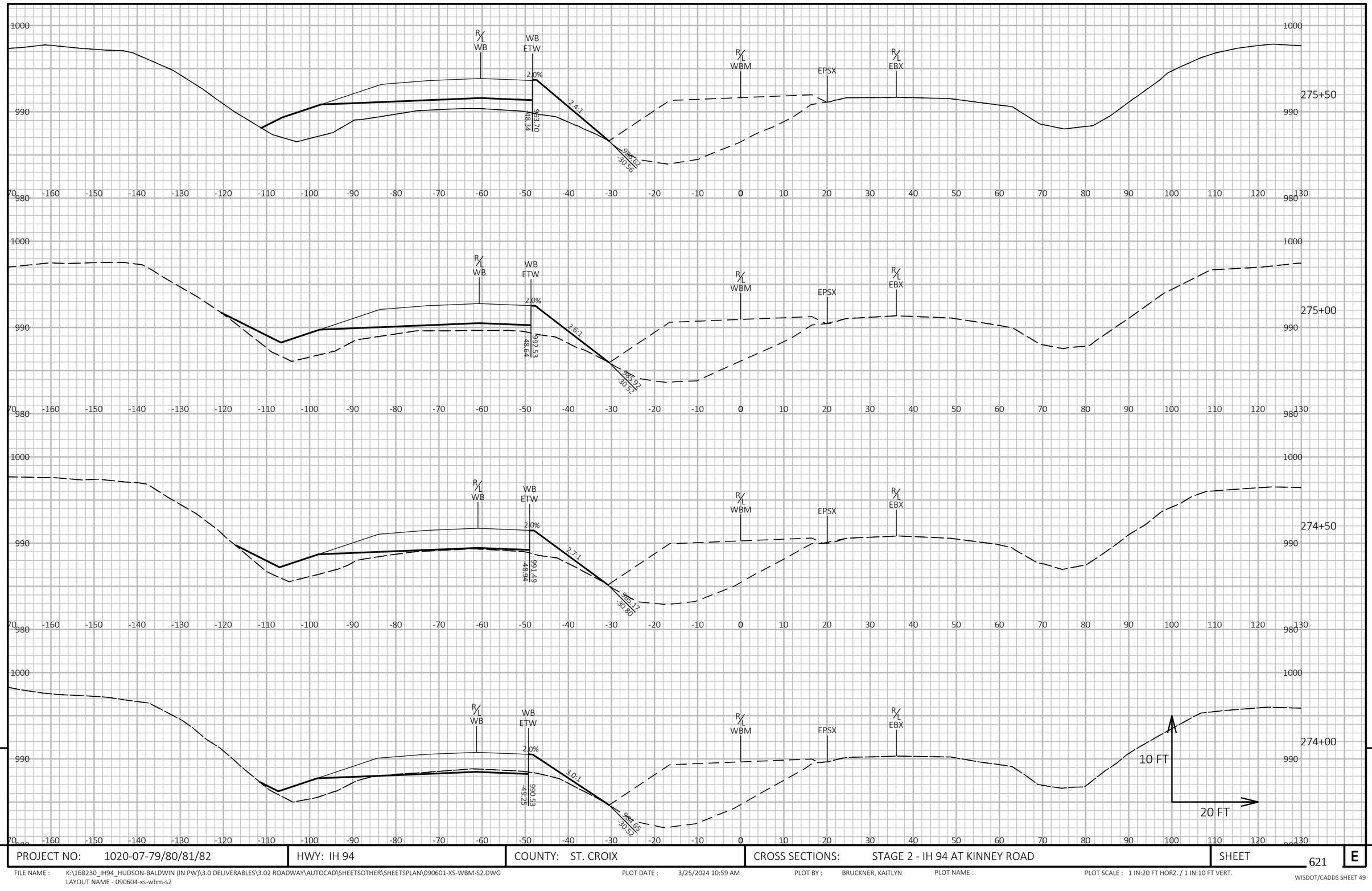
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT KINNEY ROAD	SHEET 620	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090603-xs-wbm-s2

PLOT DATE : 3/25/2024 10:59 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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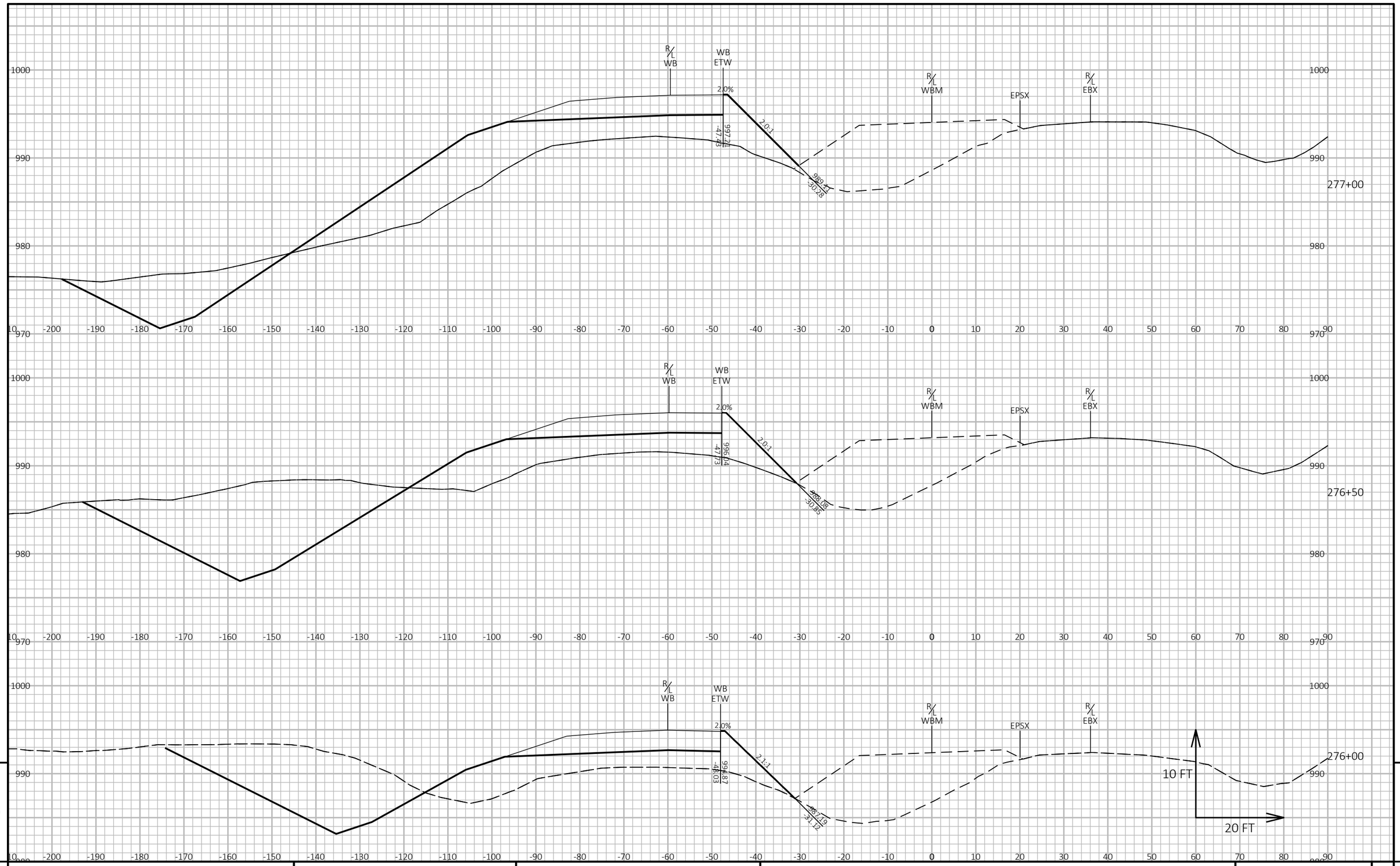
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT KINNEY ROAD	SHEET 621	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090604-xs-wbm-s2

PLOT DATE : 3/25/2024 10:59 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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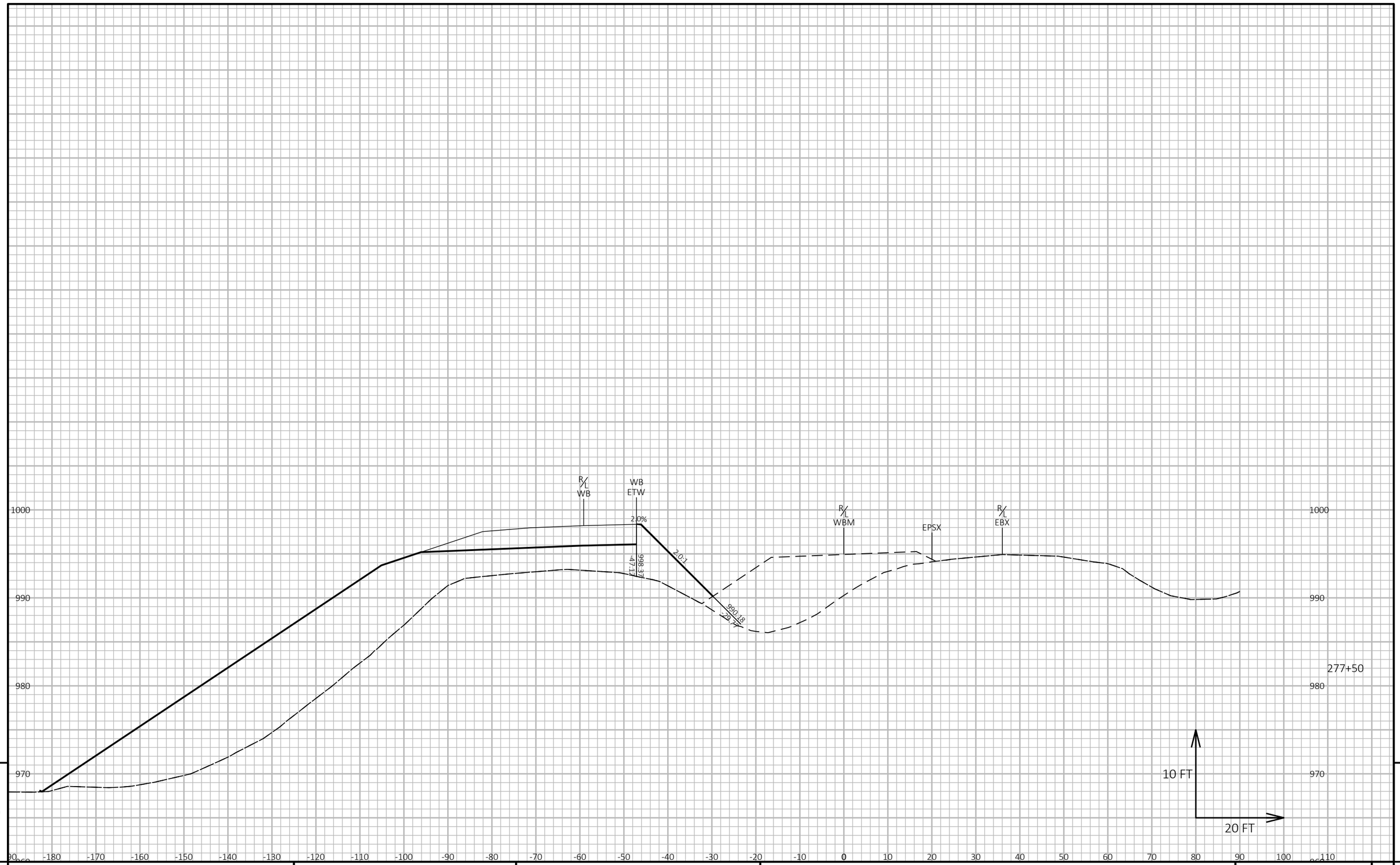
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT KINNEY ROAD	SHEET 622	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090605-xs-wbm-s2

PLOT DATE : 3/25/2024 10:59 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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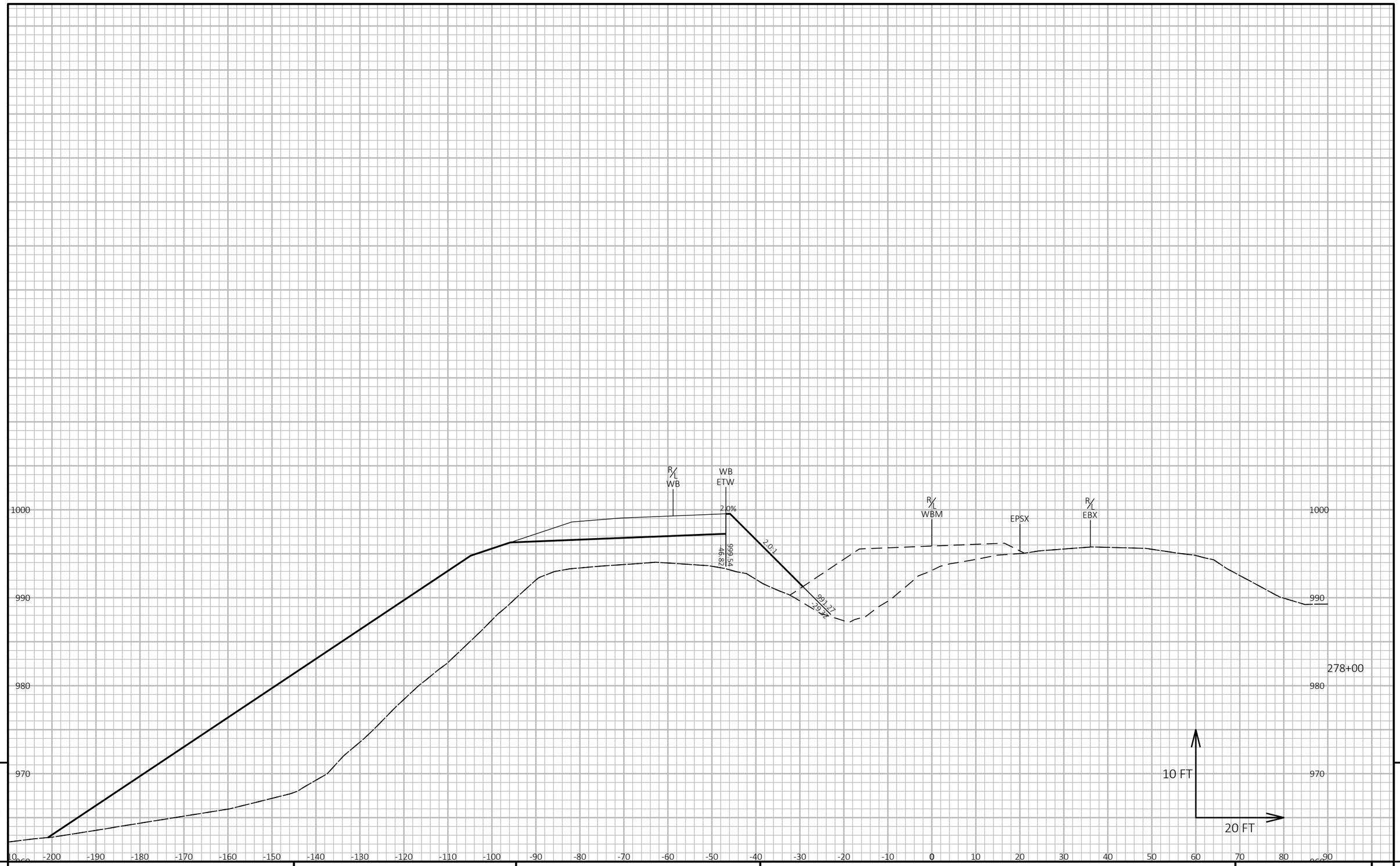
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT KINNEY ROAD	SHEET 623	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090606-xs-wbm-s2

PLOT DATE : 3/25/2024 11:00 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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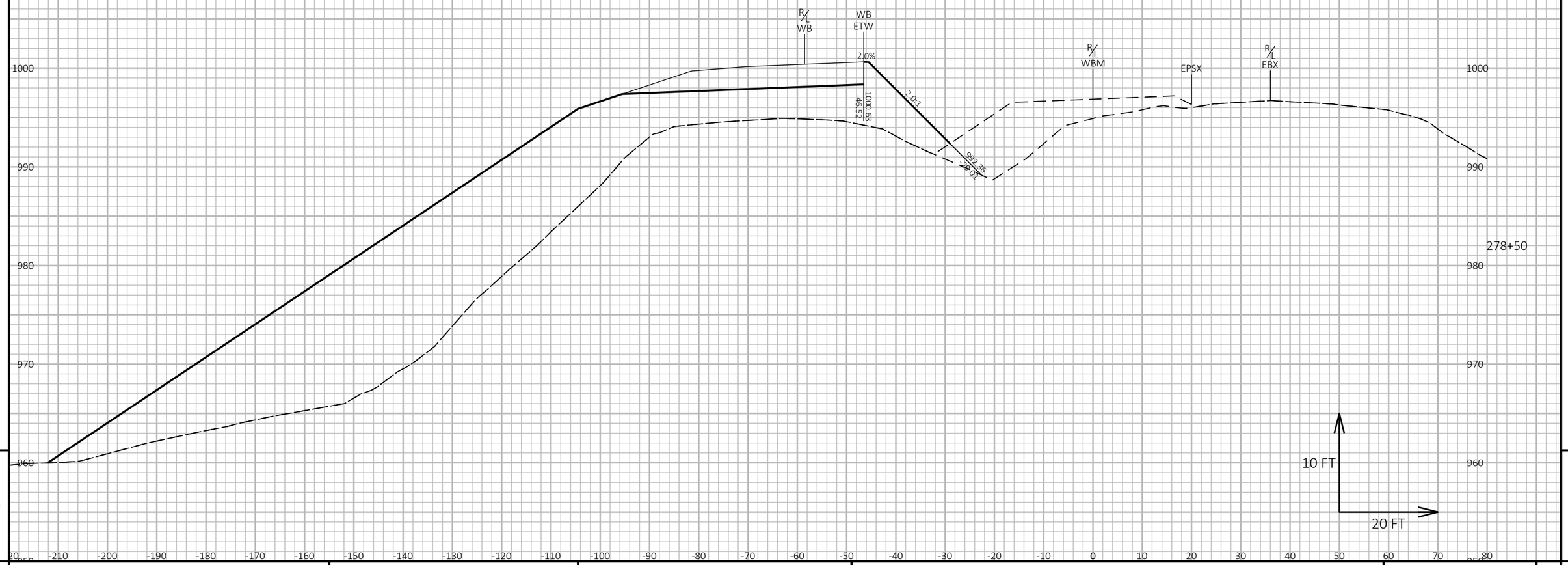
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT KINNEY ROAD	SHEET 624	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090607-xs-wbm-s2

PLOT DATE : 3/25/2024 11:00 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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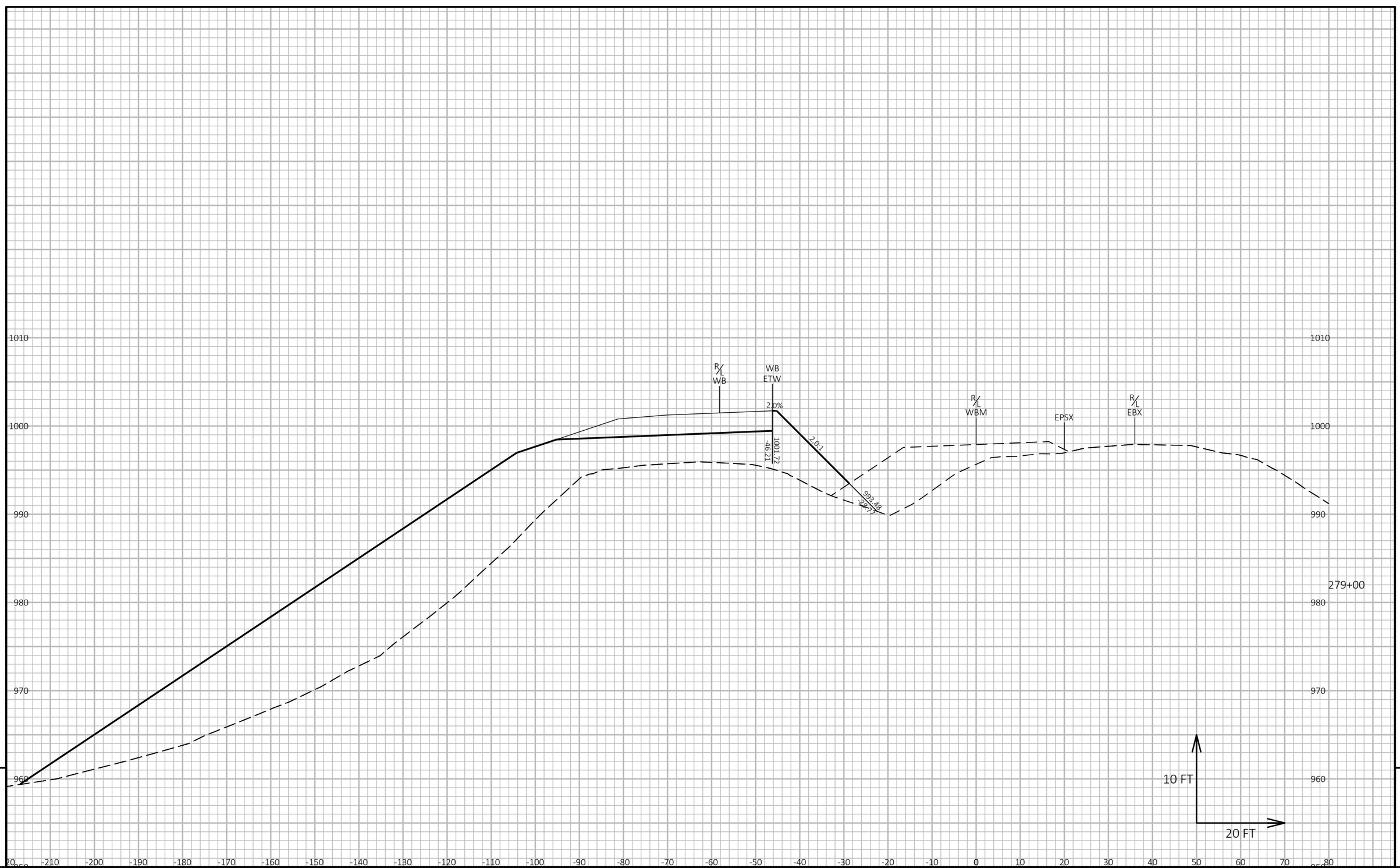
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT KINNEY ROAD	SHEET 625	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090608-xs-wbm-s2

PLOT DATE : 3/25/2024 11:00 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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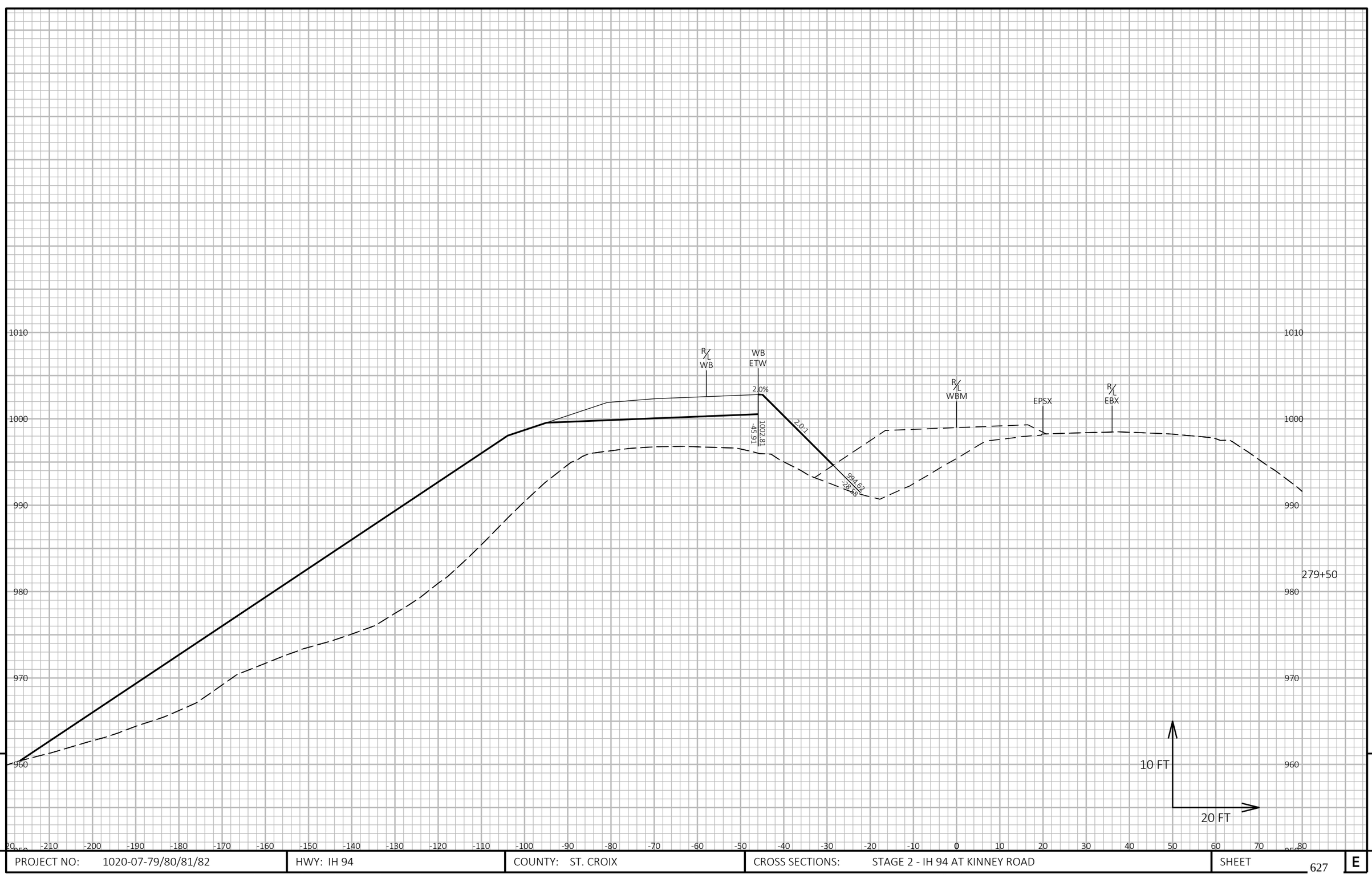
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT KINNEY ROAD	SHEET 626	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090609-xs-wbm-s2

PLOT DATE : 3/25/2024 11:00 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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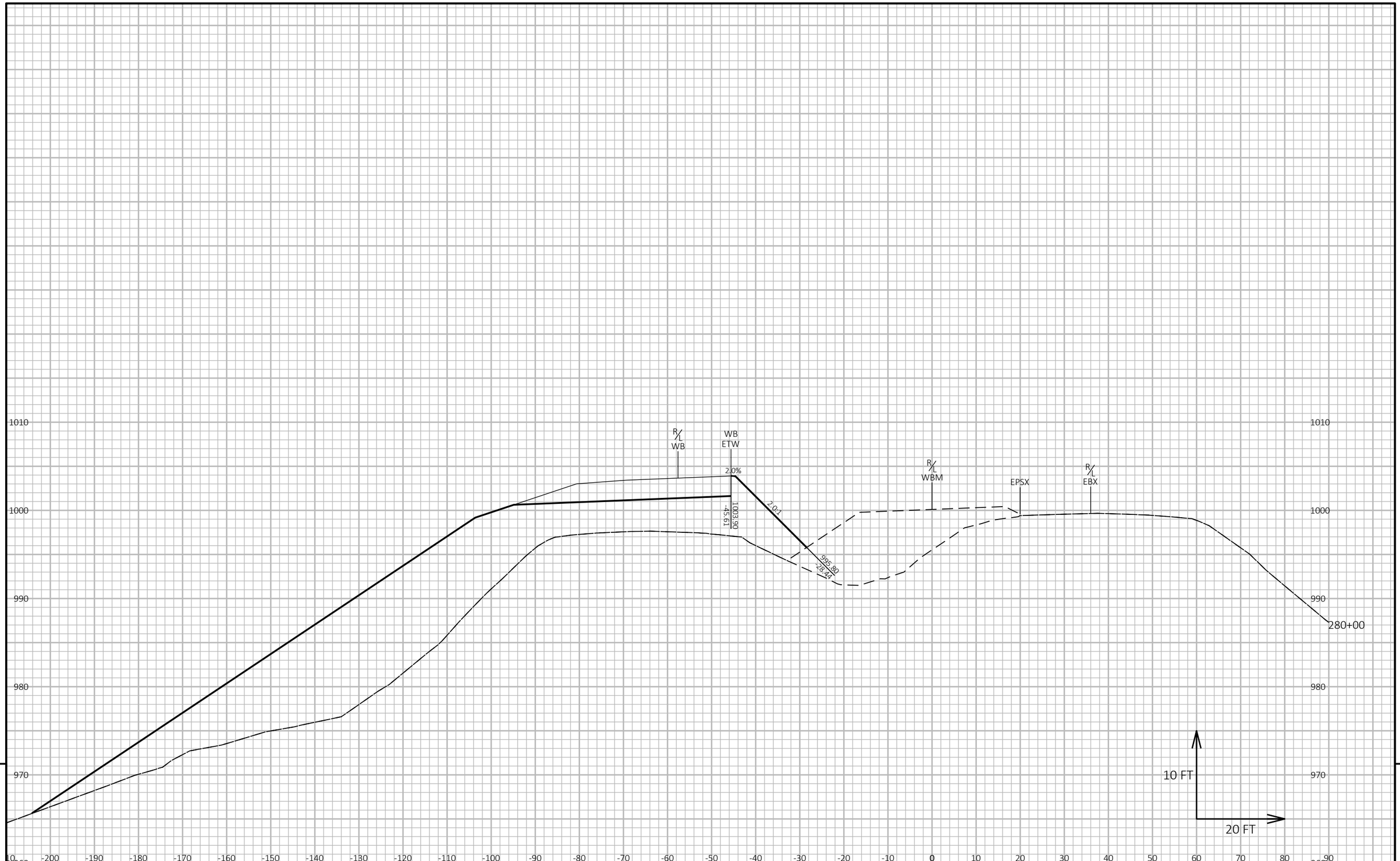
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT KINNEY ROAD	SHEET 627	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090610-xs-wbm-s2

PLOT DATE : 3/25/2024 11:00 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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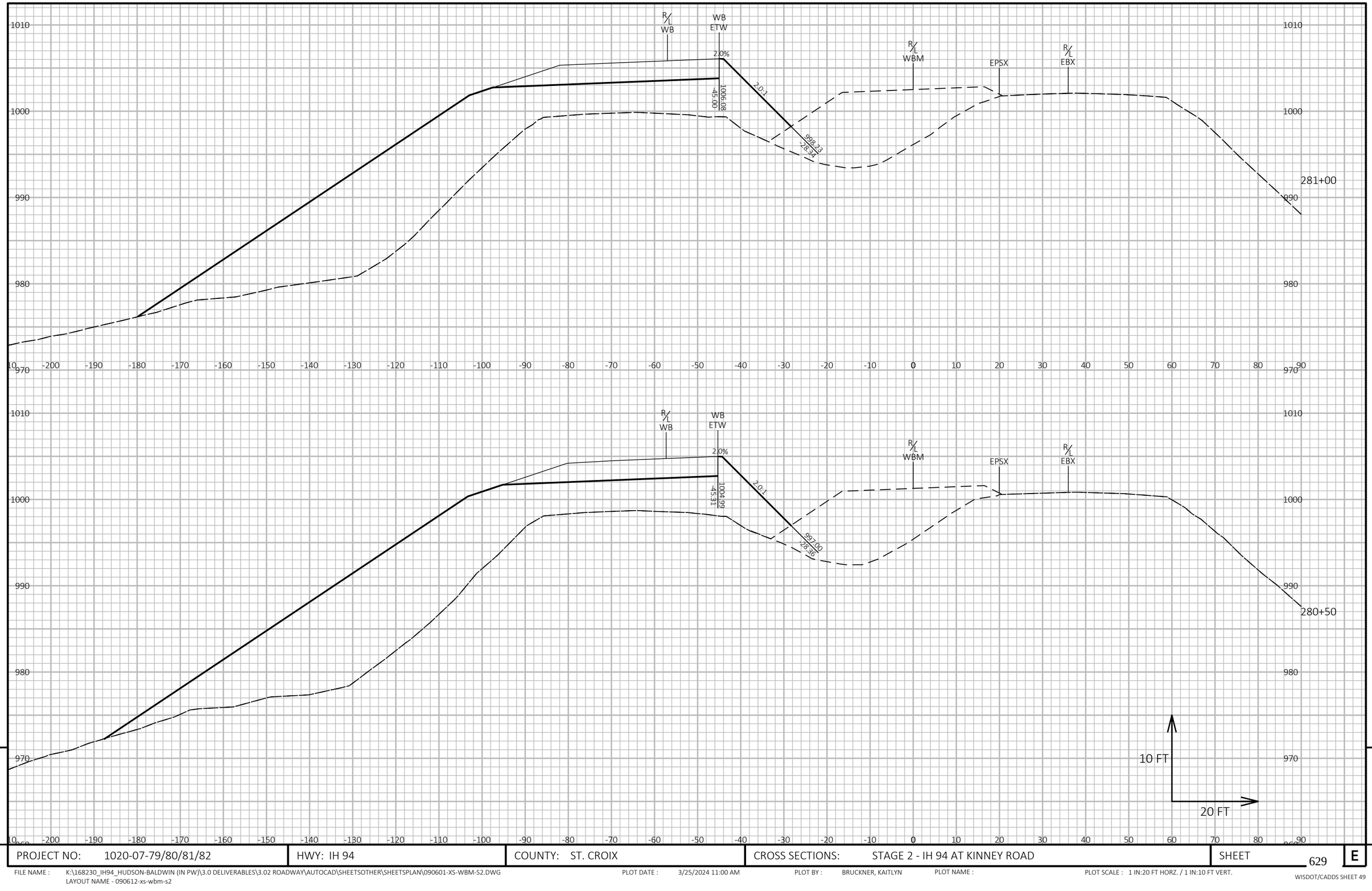
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT KINNEY ROAD	SHEET 628	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090611-xs-wbm-s2

PLOT DATE : 3/25/2024 11:00 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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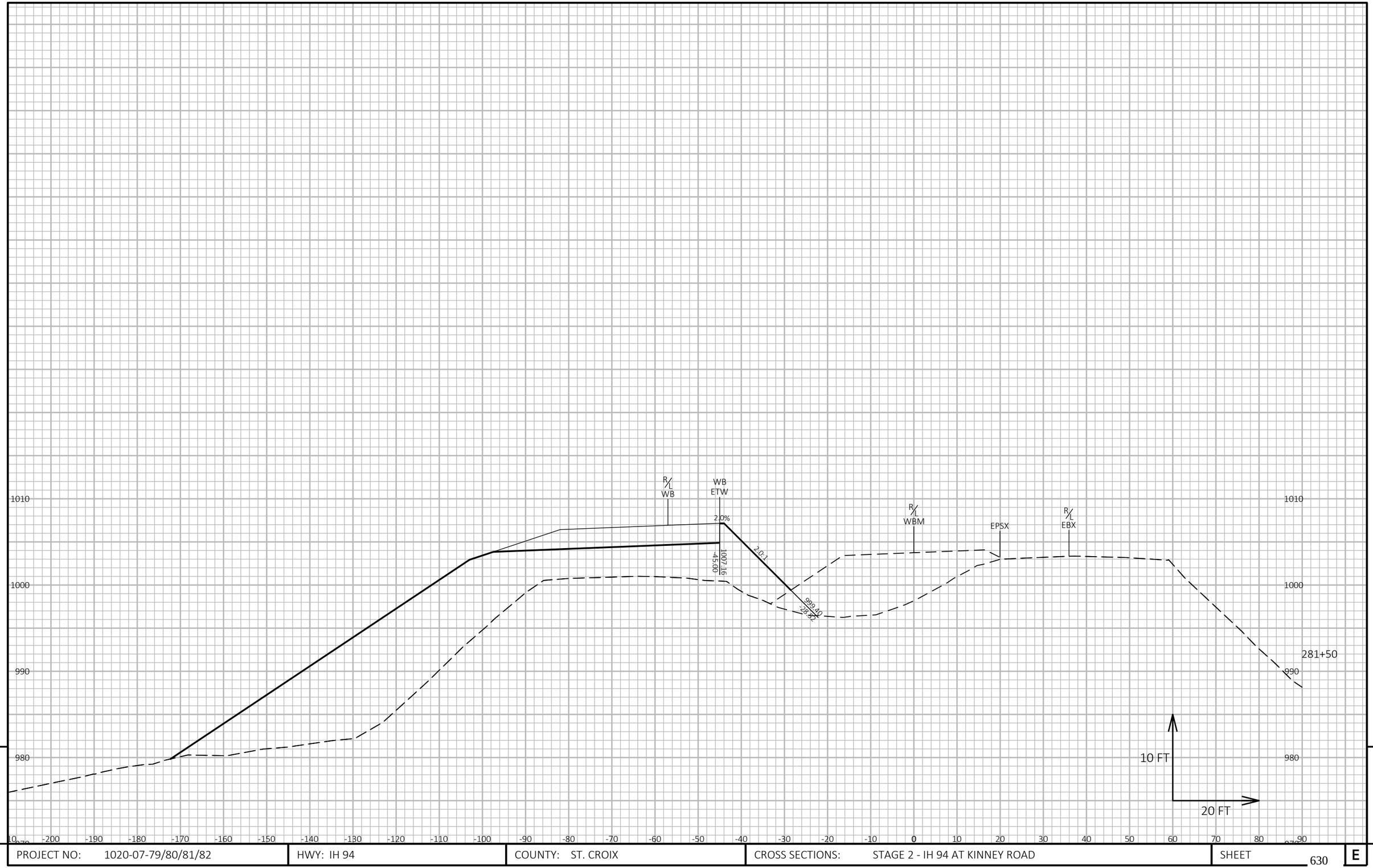
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT KINNEY ROAD	SHEET 629	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090612-xs-wbm-s2

PLOT DATE : 3/25/2024 11:00 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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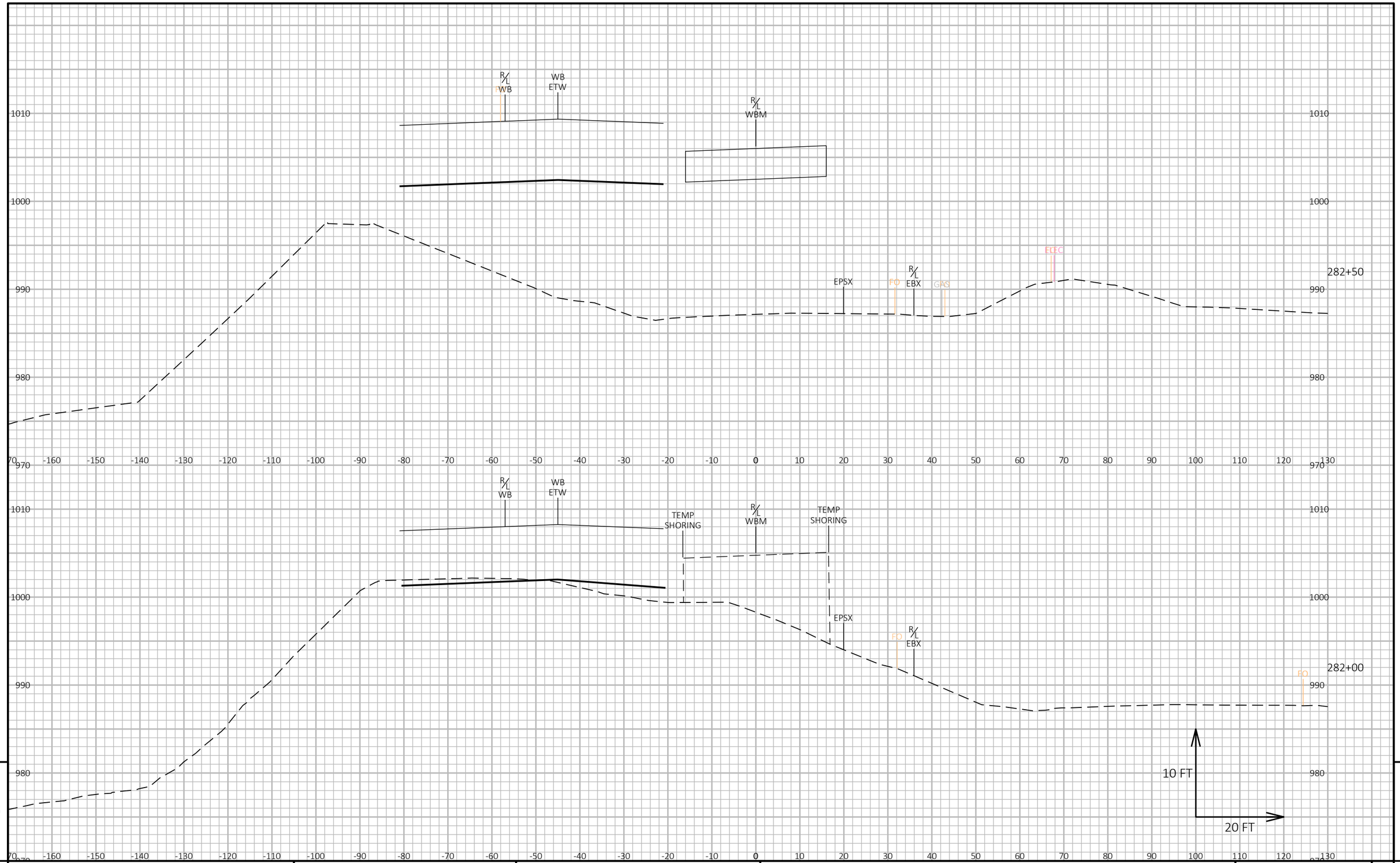
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT KINNEY ROAD	SHEET 630	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090613-xs-wbm-s2

PLOT DATE : 3/25/2024 11:00 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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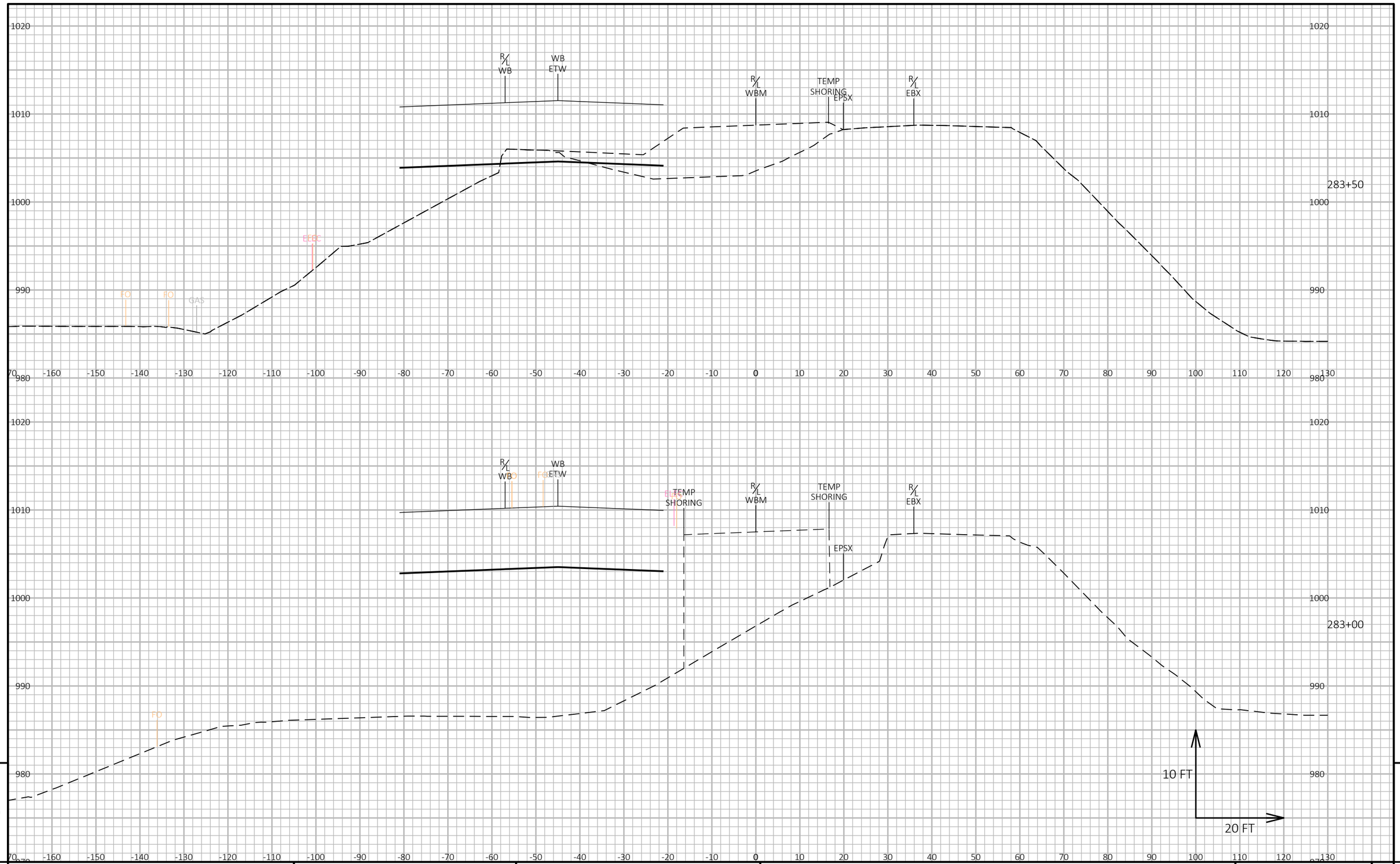
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT KINNEY ROAD	SHEET 631	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090614-xs-wbm-s2

PLOT DATE : 3/25/2024 11:00 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

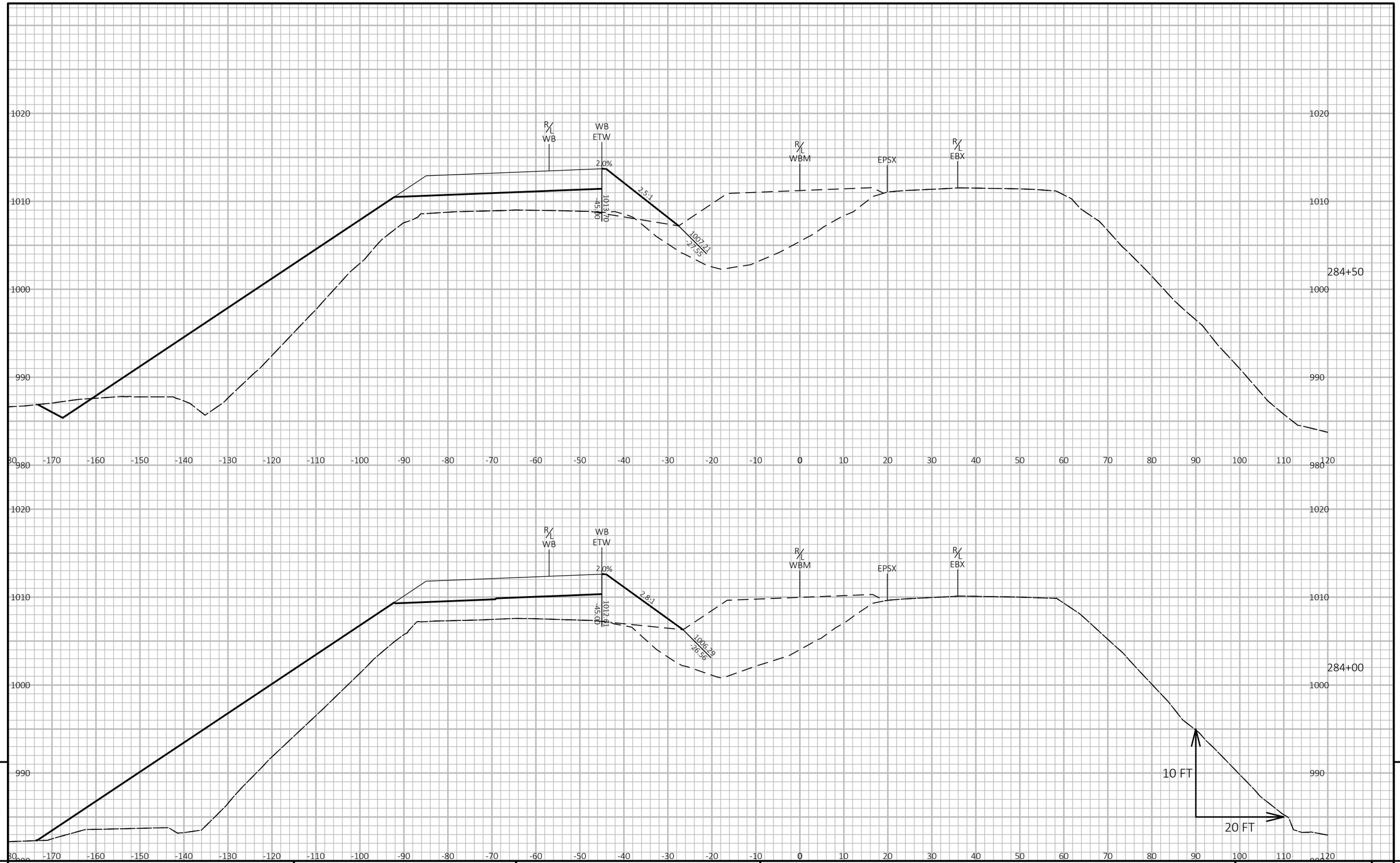


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT KINNEY ROAD	SHEET 632 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090615-xs-wbm-s2

PLOT DATE : 3/25/2024 11:00 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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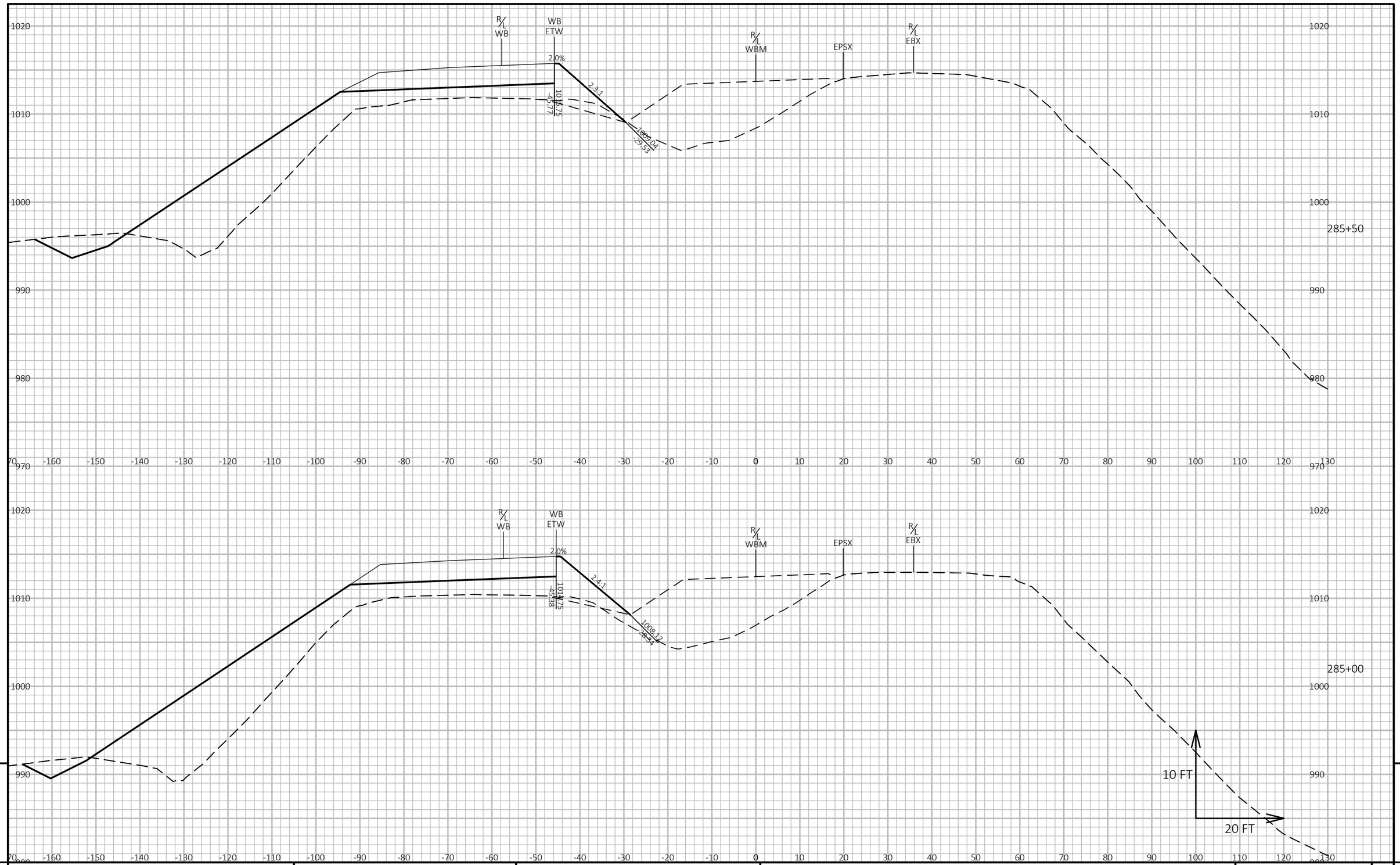
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT KINNEY ROAD	SHEET 633	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090616-xs-wbm-s2

PLOT DATE : 3/25/2024 11:00 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

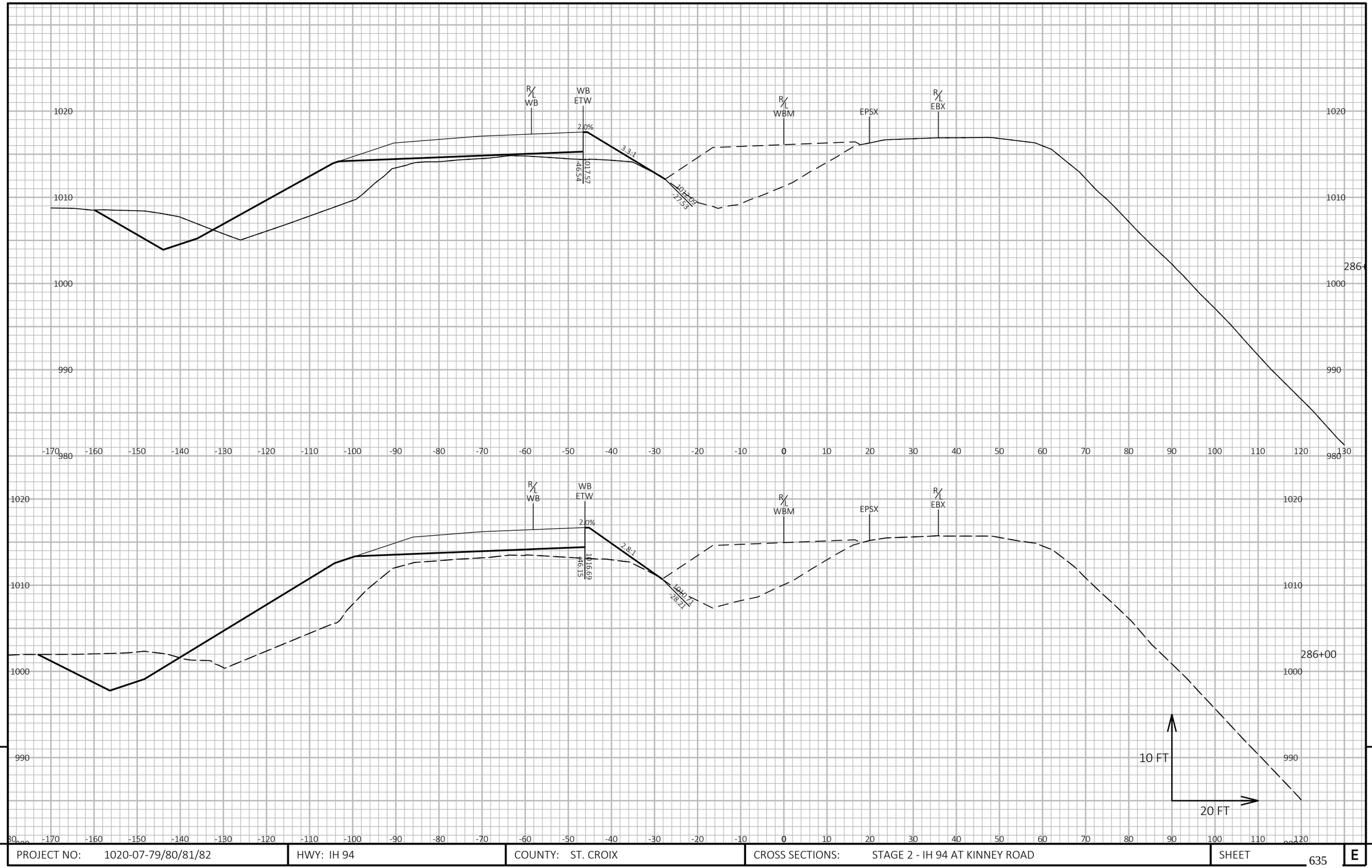


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT KINNEY ROAD	SHEET 634	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090617-xs-wbm-s2

PLOT DATE : 3/25/2024 11:00 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

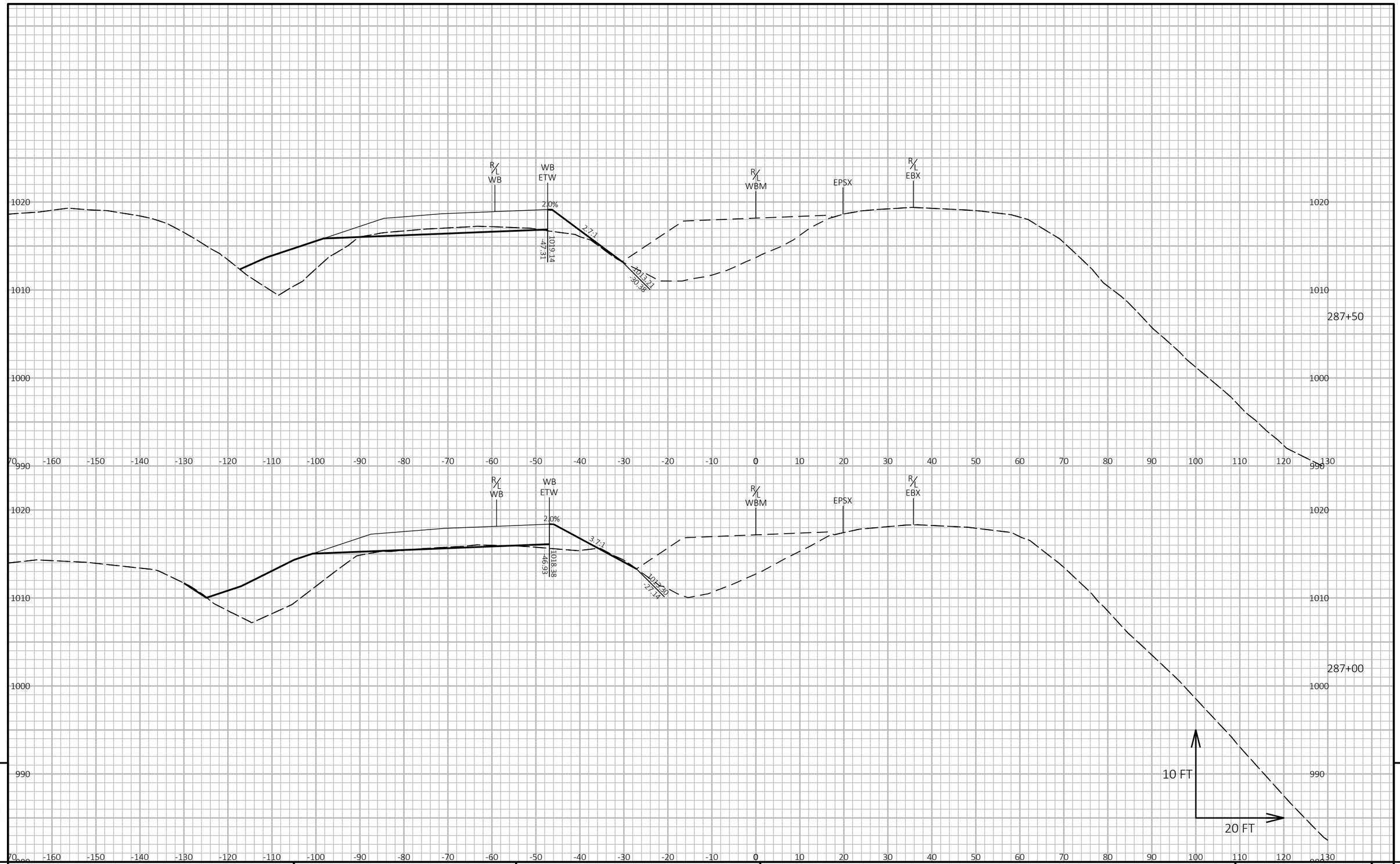


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT KINNEY ROAD	SHEET 635	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090618-xs-wbm-s2

PLOT DATE : 3/25/2024 11:01 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

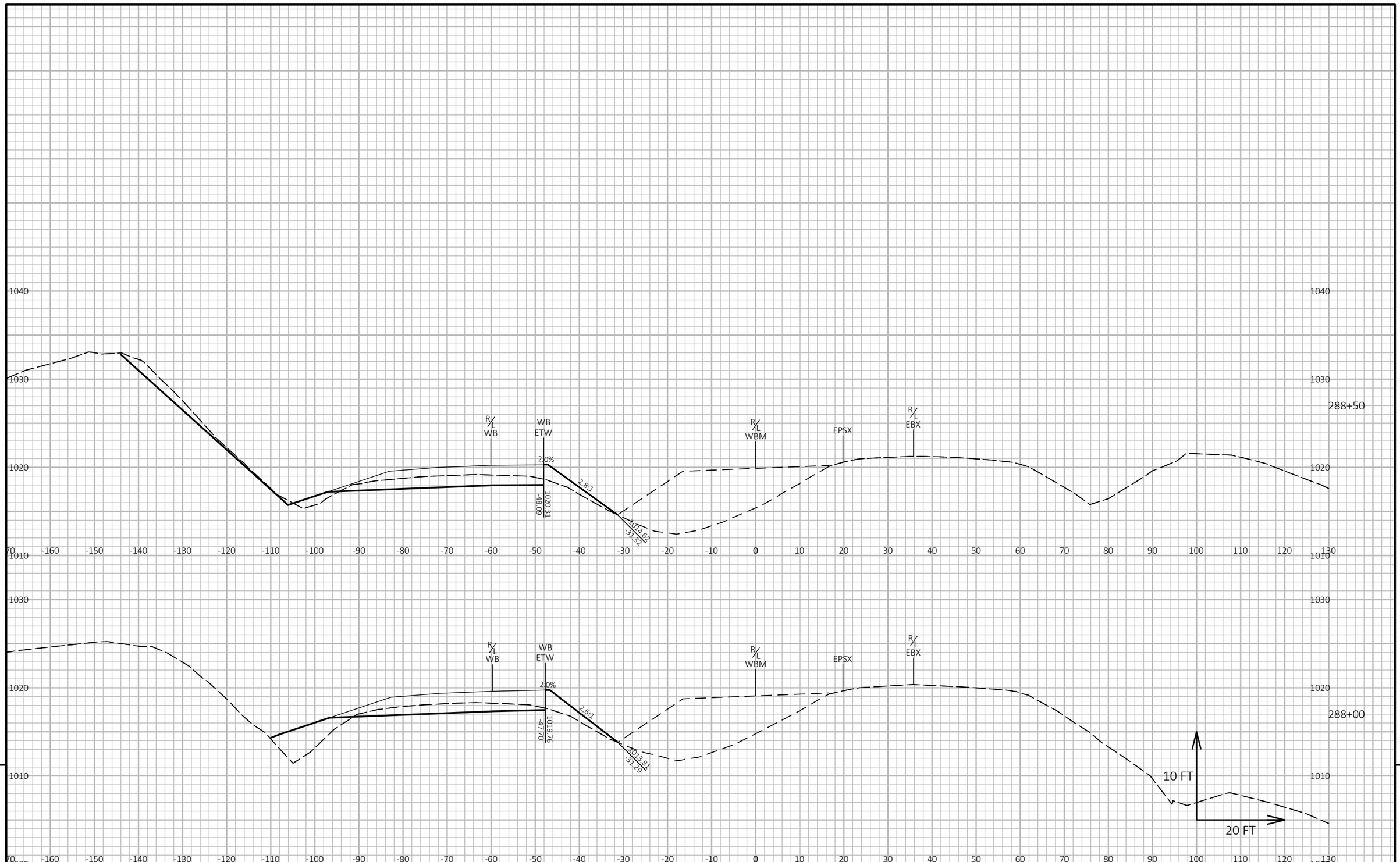


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT KINNEY ROAD	SHEET 636	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090619-xs-wbm-s2

PLOT DATE : 3/25/2024 11:01 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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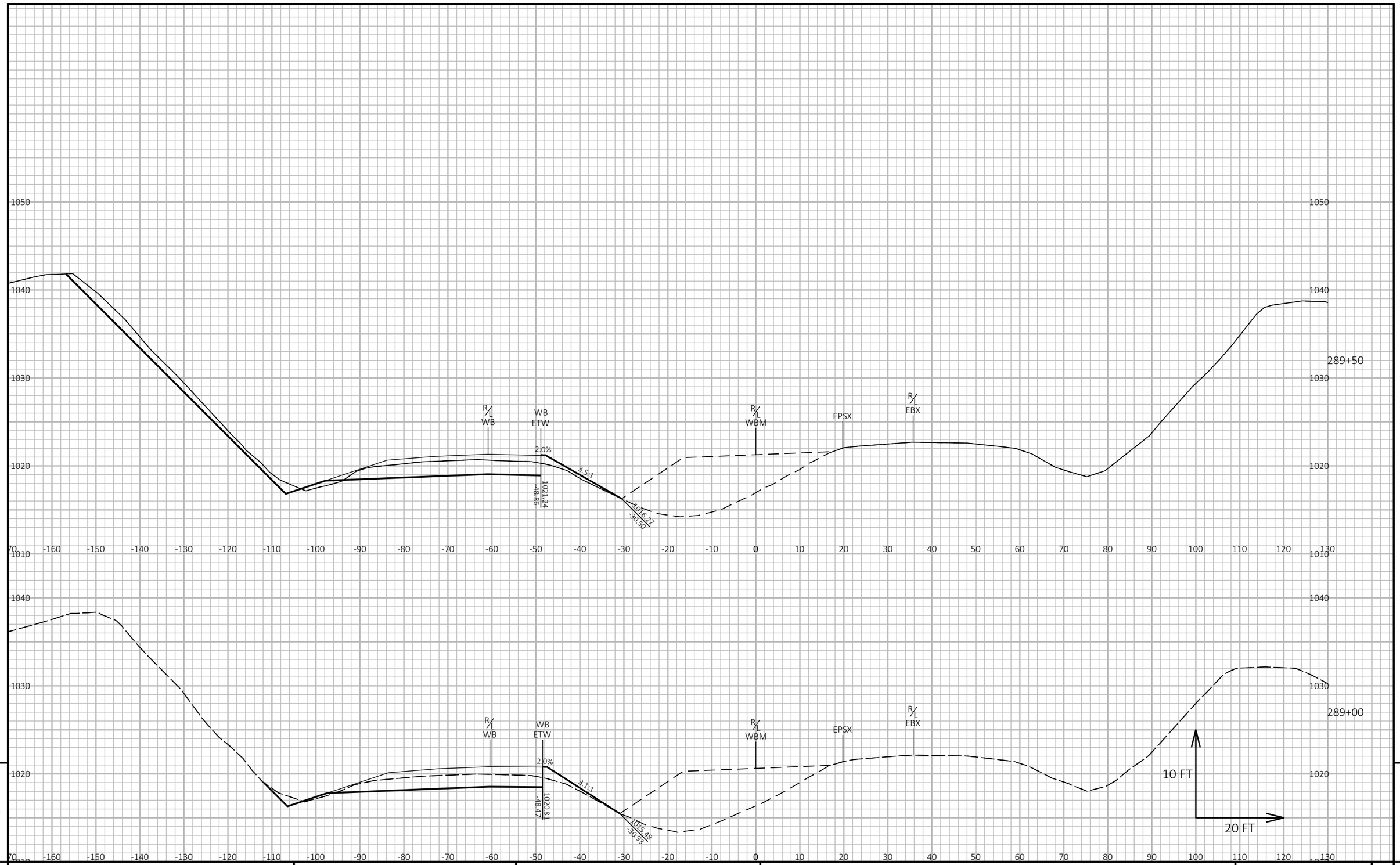
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT KINNEY ROAD	SHEET 637	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090620-xs-wbm-s2

PLOT DATE : 3/25/2024 11:01 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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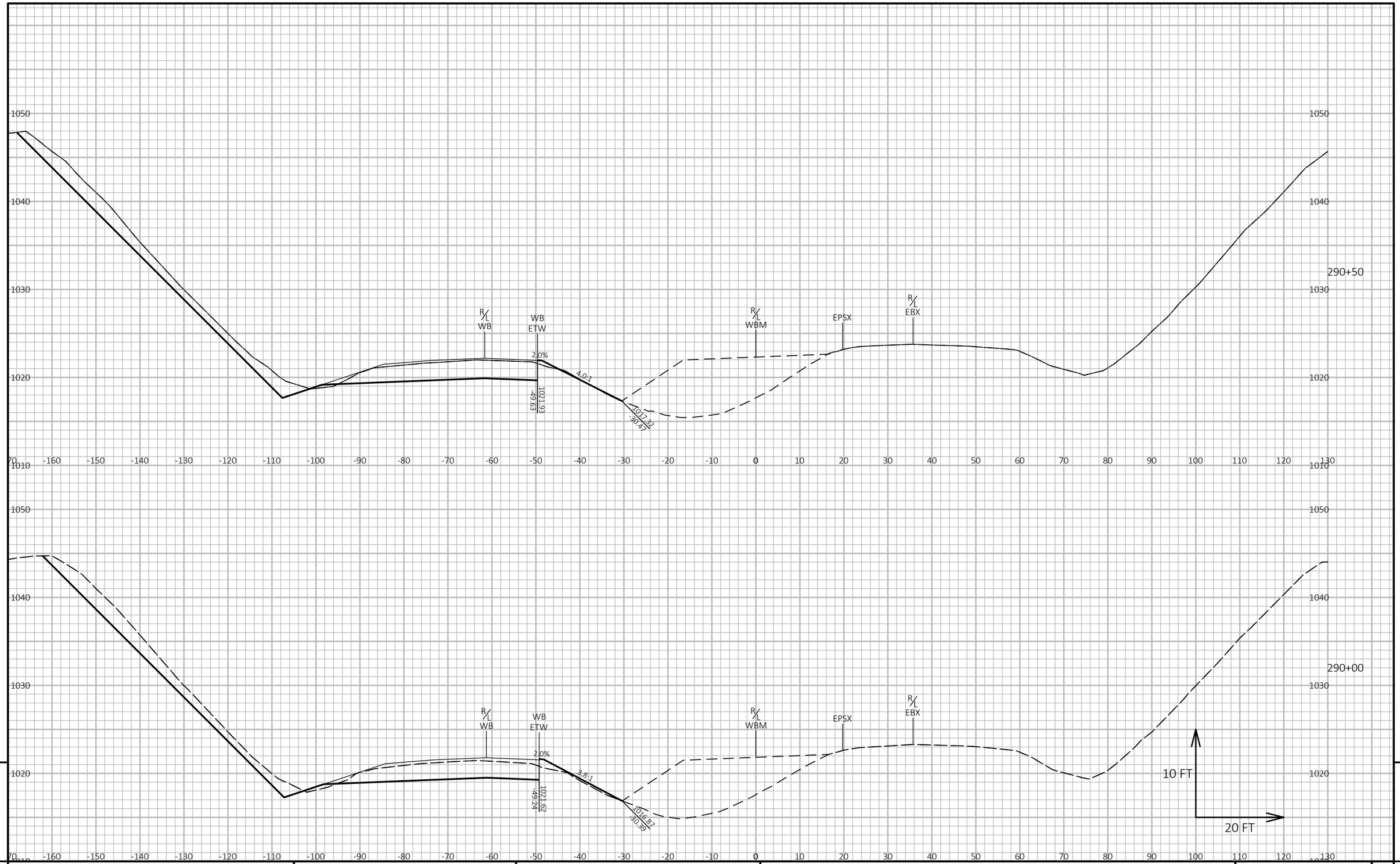
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT KINNEY ROAD	SHEET 638	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090621-xs-wbm-s2

PLOT DATE : 3/25/2024 11:01 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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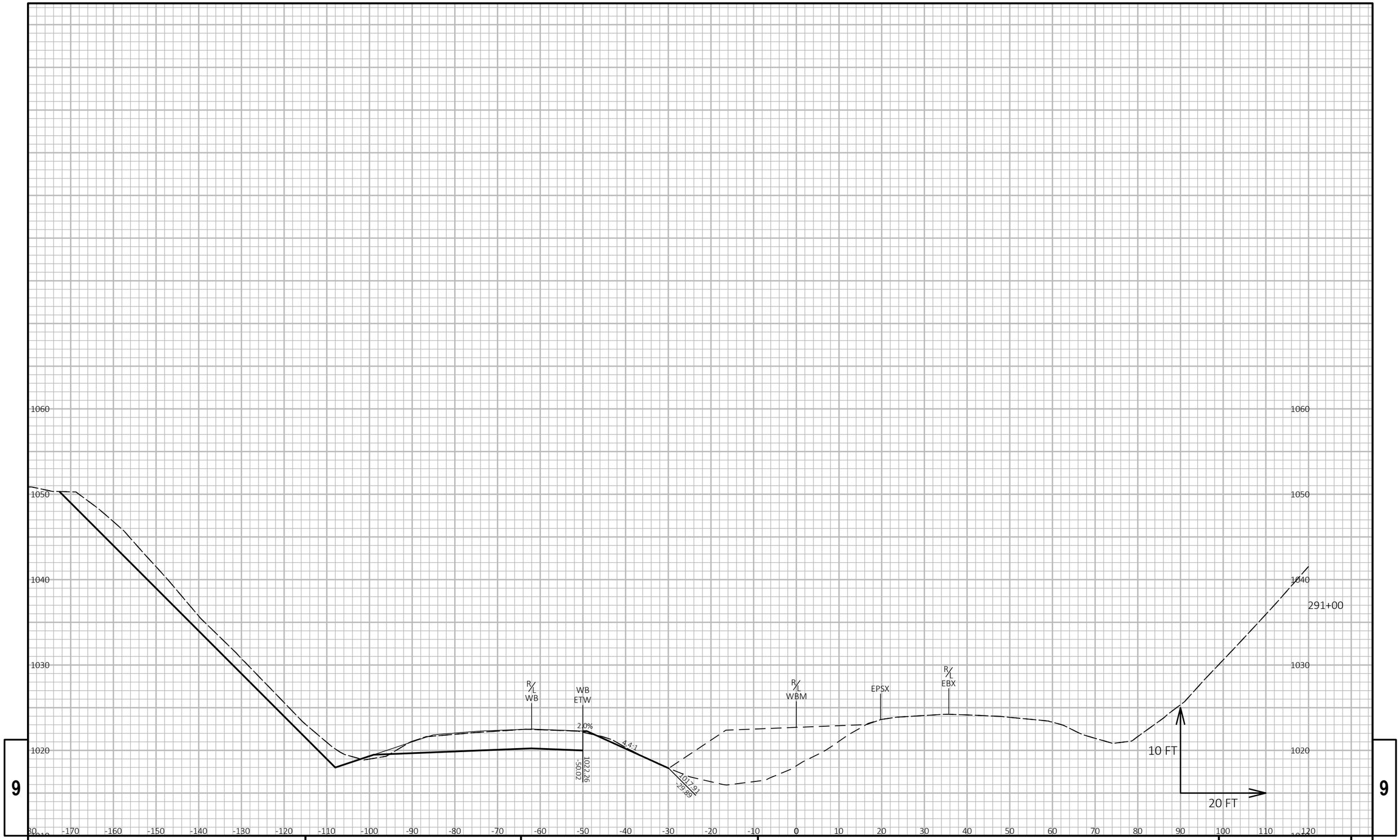
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT KINNEY ROAD	SHEET 639	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090622-xs-wbm-s2

PLOT DATE : 3/25/2024 11:01 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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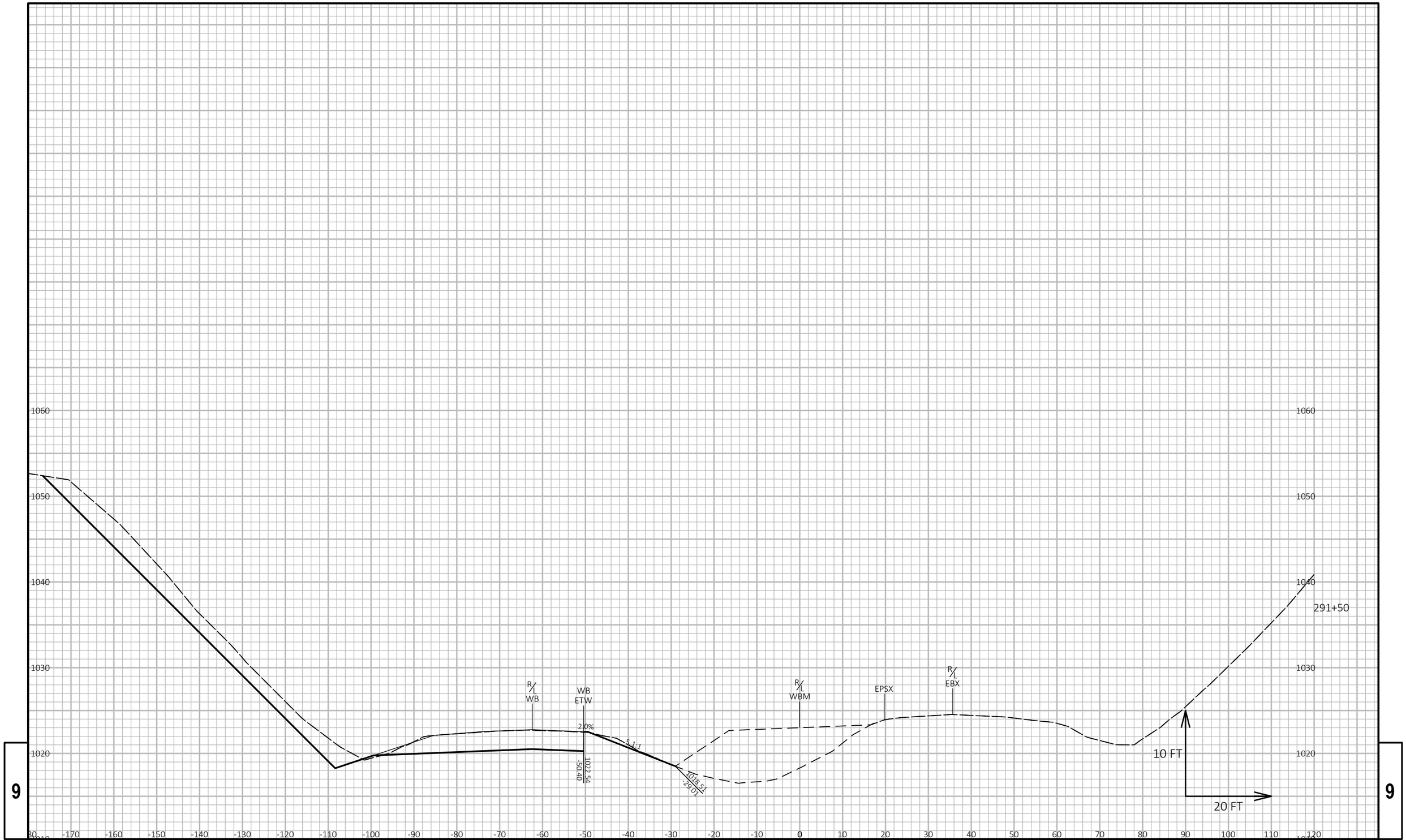
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT KINNEY ROAD	SHEET 640	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090623-xs-wbm-s2

PLOT DATE : 3/25/2024 11:01 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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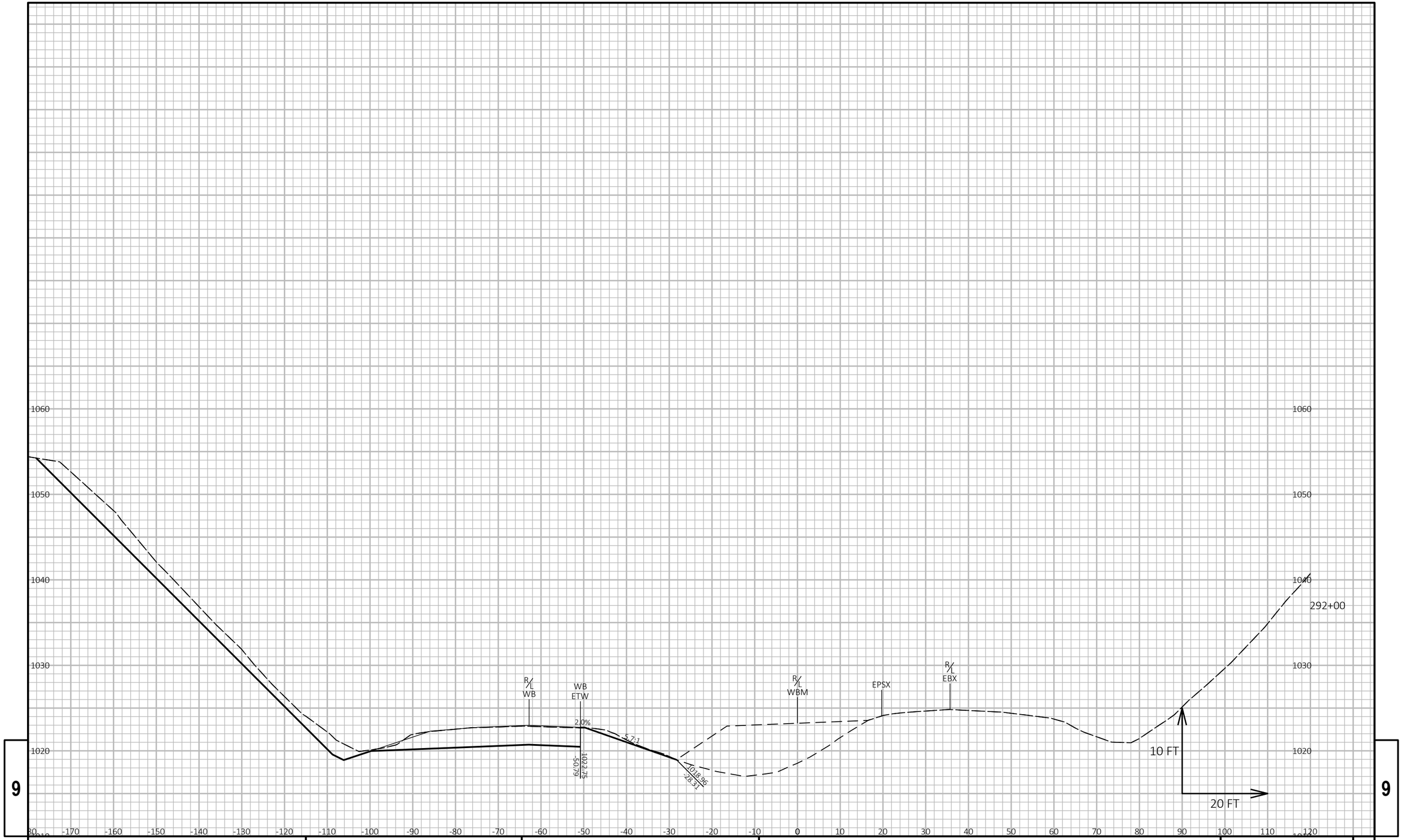
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT KINNEY ROAD	SHEET 641	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090624-xs-wbm-s2

PLOT DATE : 3/25/2024 11:01 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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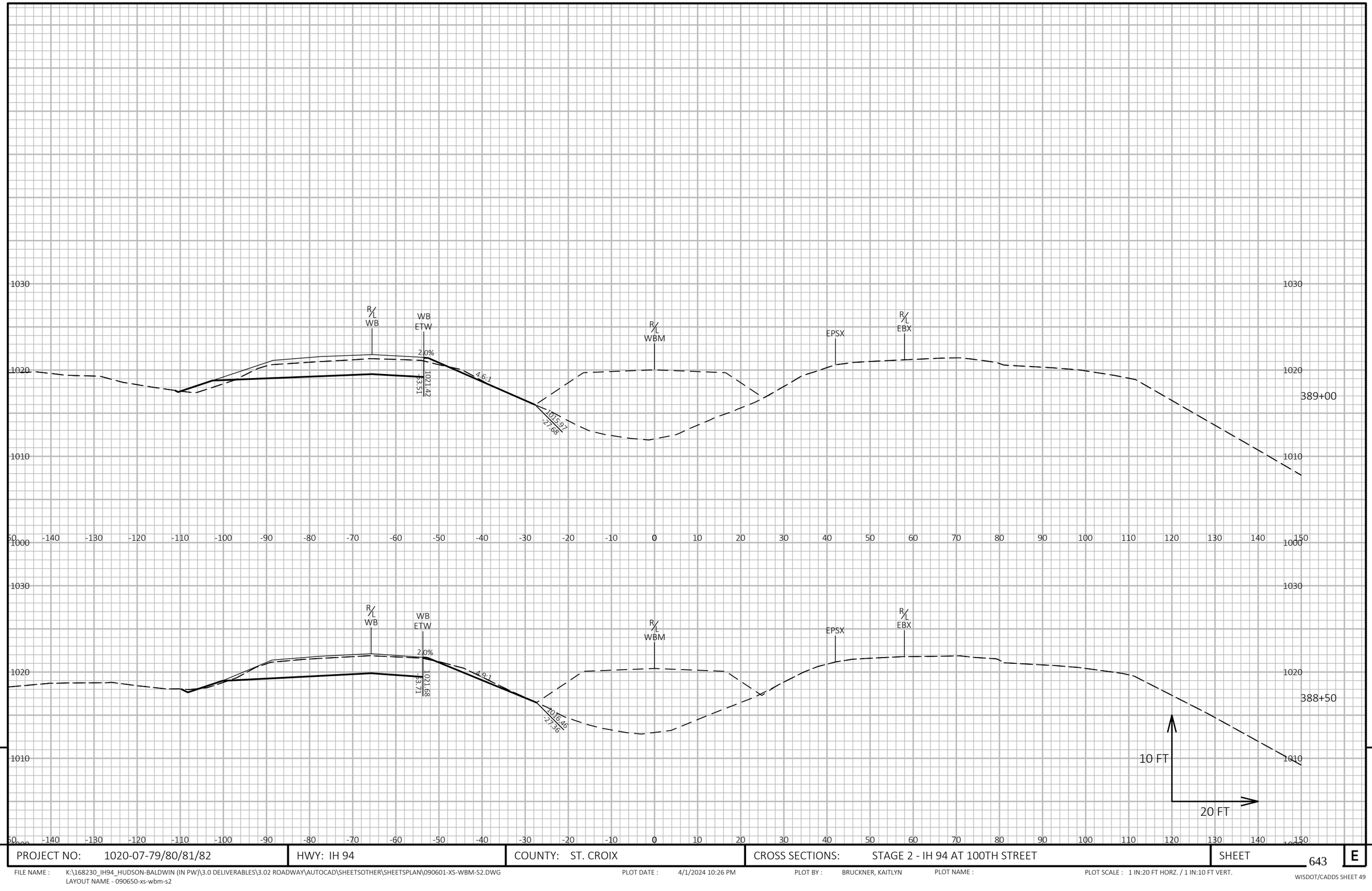
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT KINNEY ROAD	SHEET 642	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090625-xs-wbm-s2

PLOT DATE : 3/25/2024 11:01 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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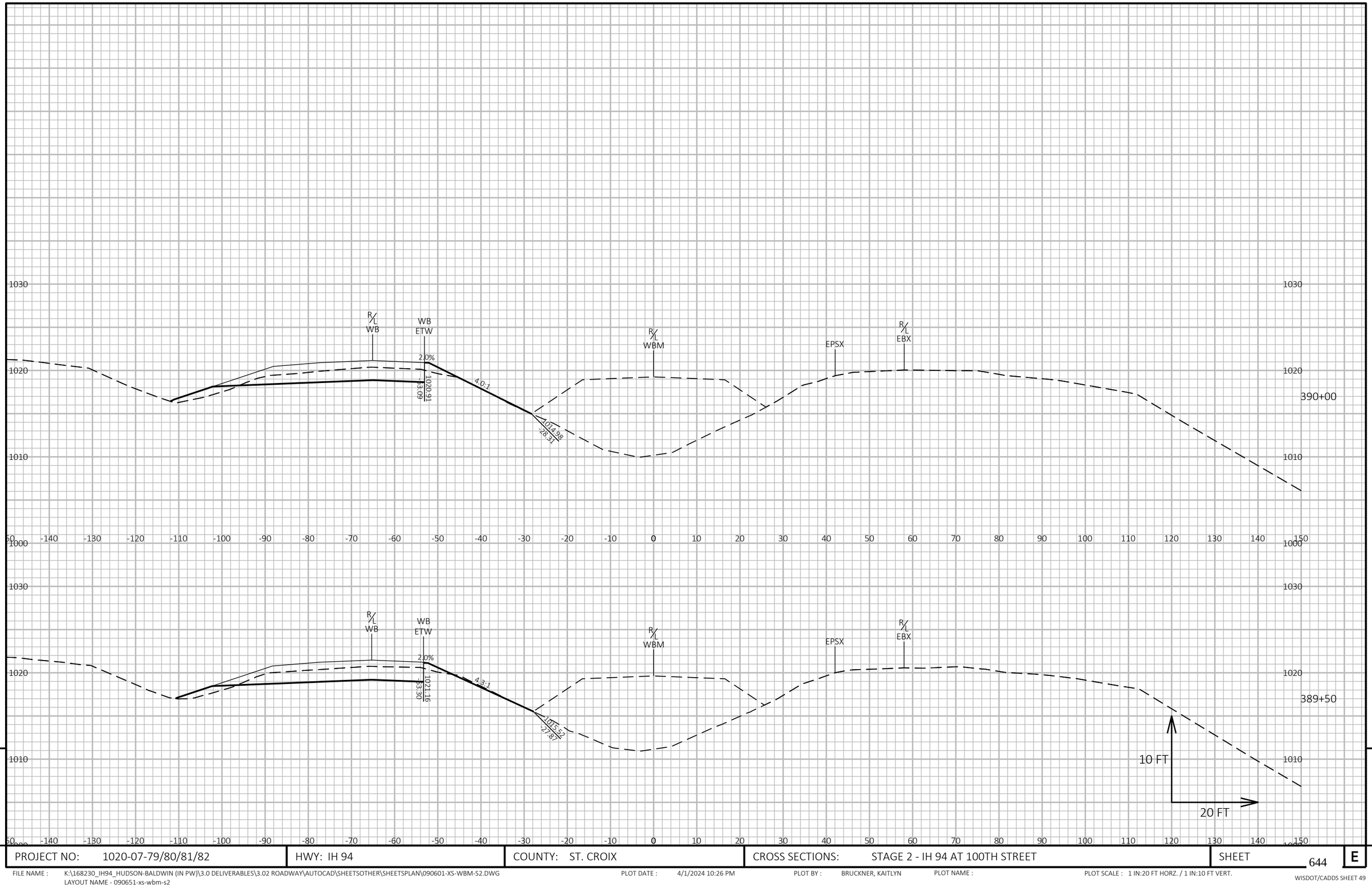
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT 100TH STREET	SHEET 643	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090650-xs-wbm-s2

PLOT DATE : 4/1/2024 10:26 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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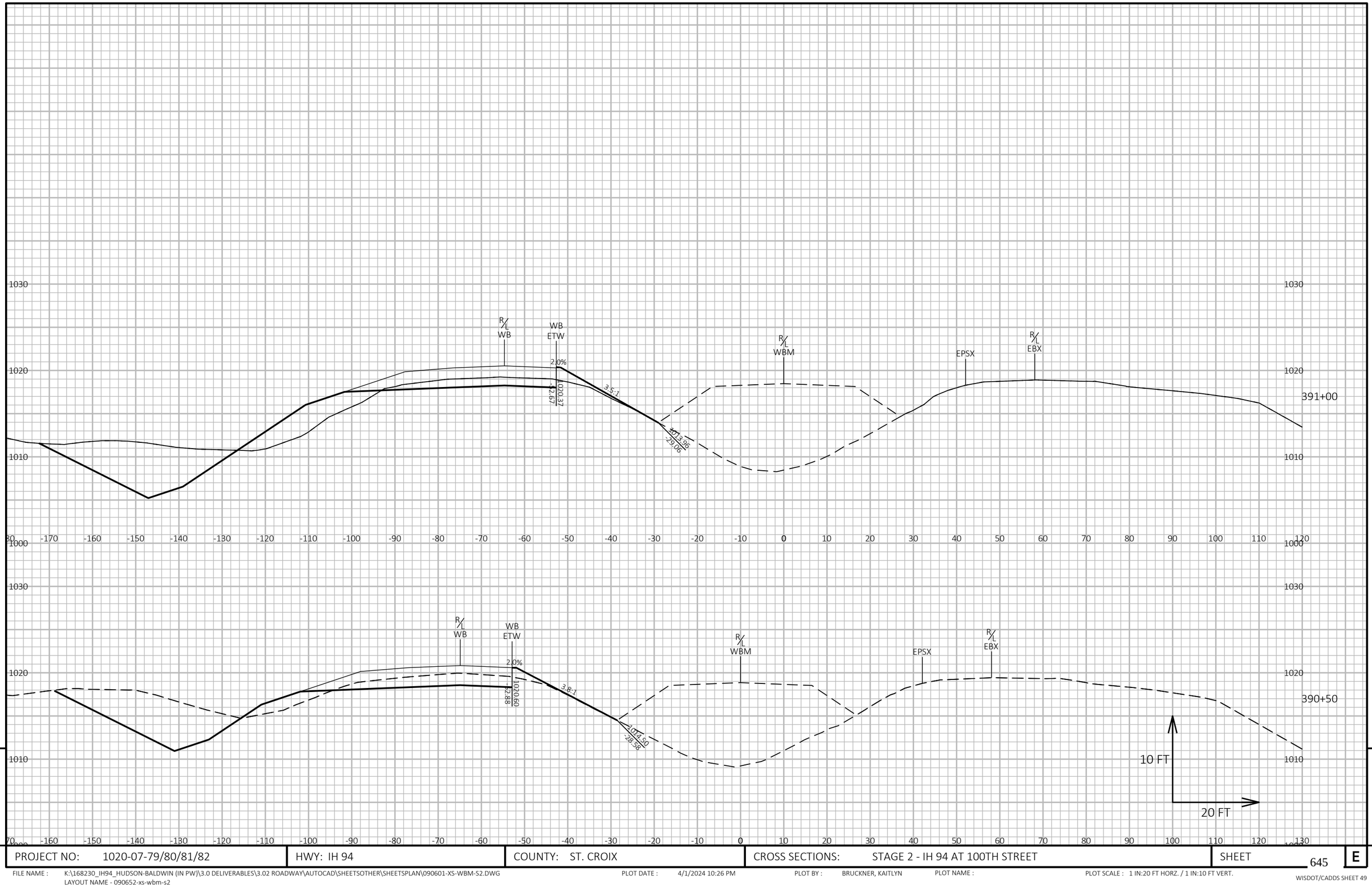
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT 100TH STREET	SHEET 644	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090651-xs-wbm-s2

PLOT DATE : 4/1/2024 10:26 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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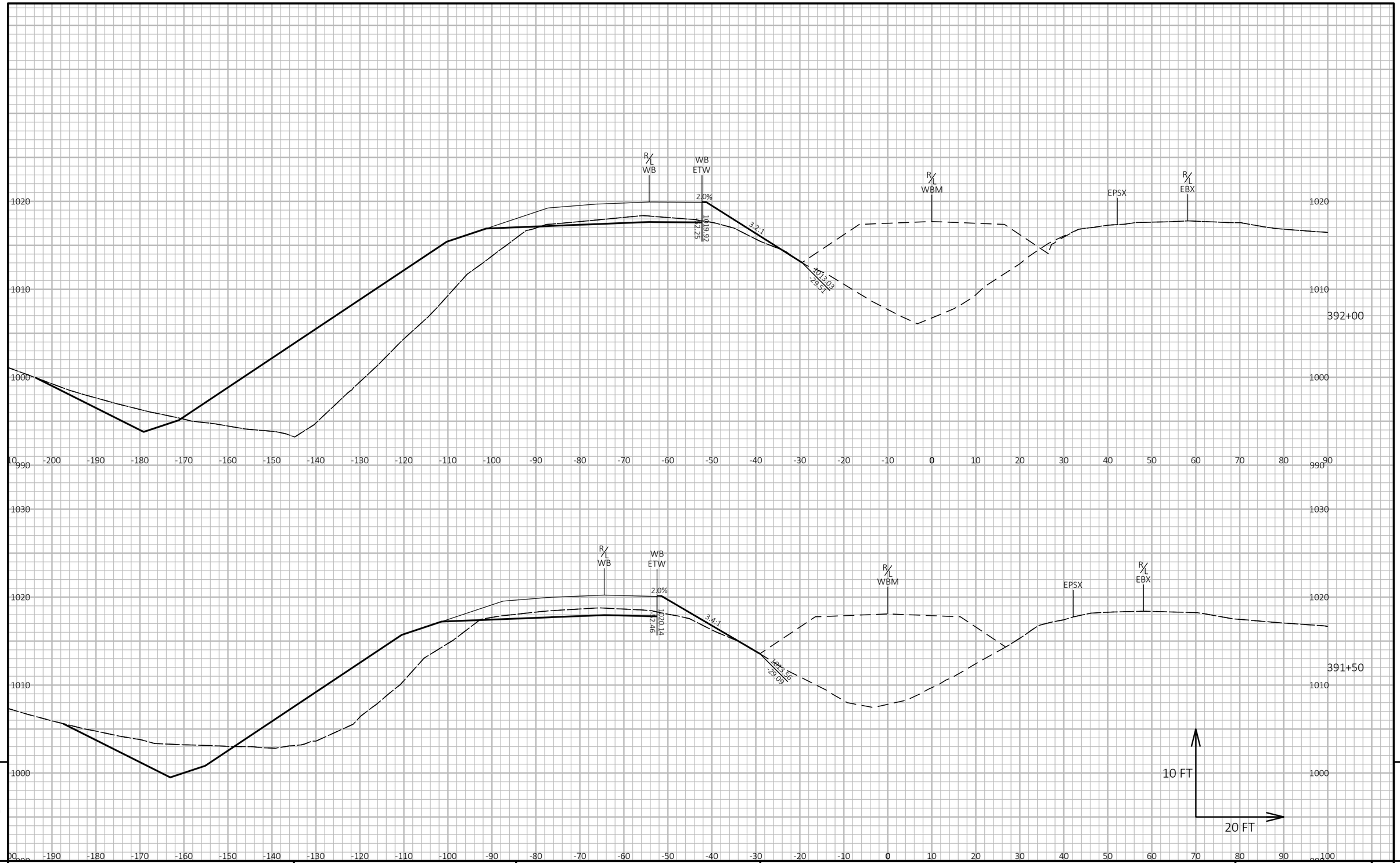
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT 100TH STREET	SHEET 645	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090652-xs-wbm-s2

PLOT DATE : 4/1/2024 10:26 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

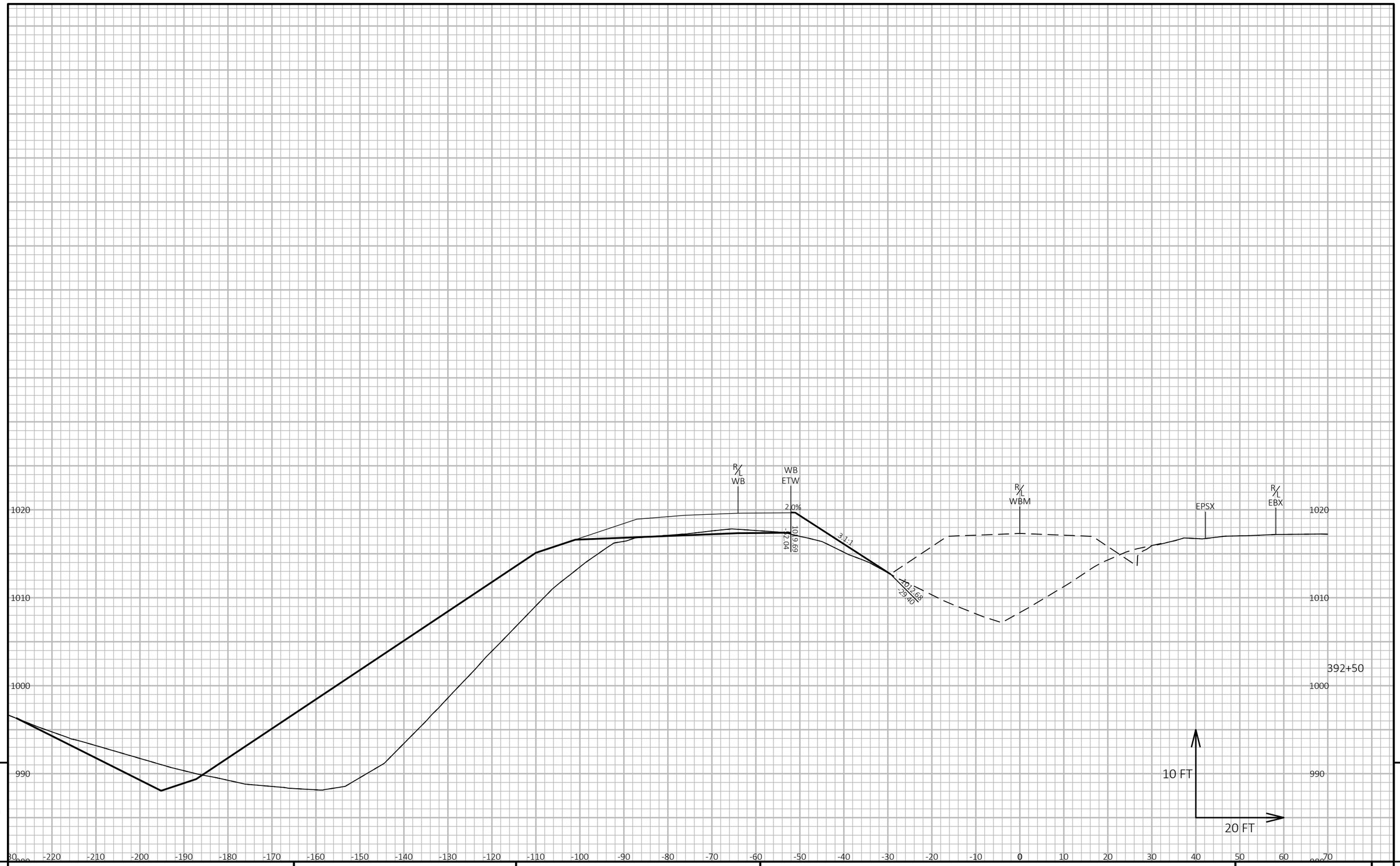


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT 100TH STREET	SHEET 646	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090653-xs-wbm-s2

PLOT DATE : 4/1/2024 10:26 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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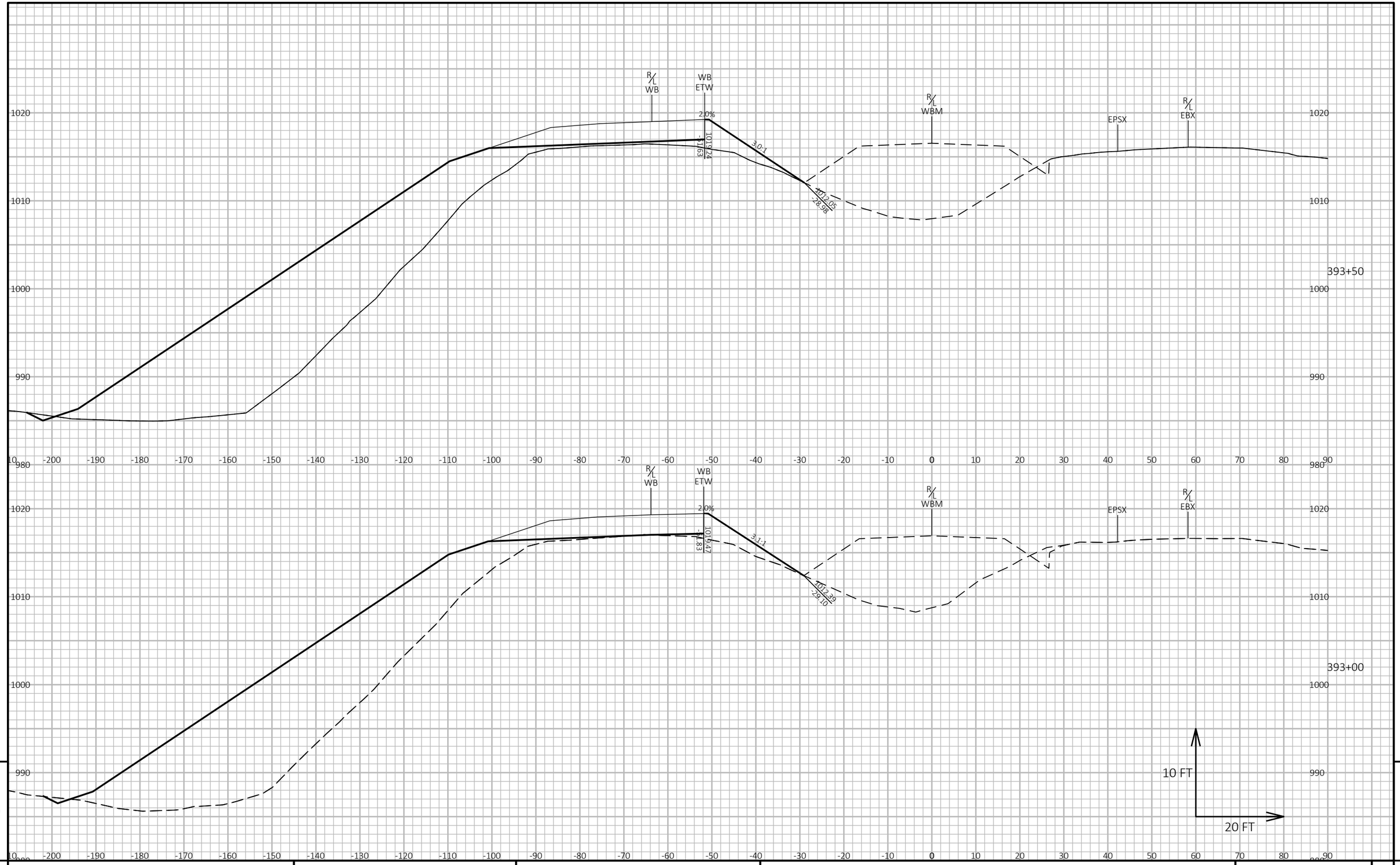
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT 100TH STREET	SHEET 647	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090654-xs-wbm-s2

PLOT DATE : 4/1/2024 10:26 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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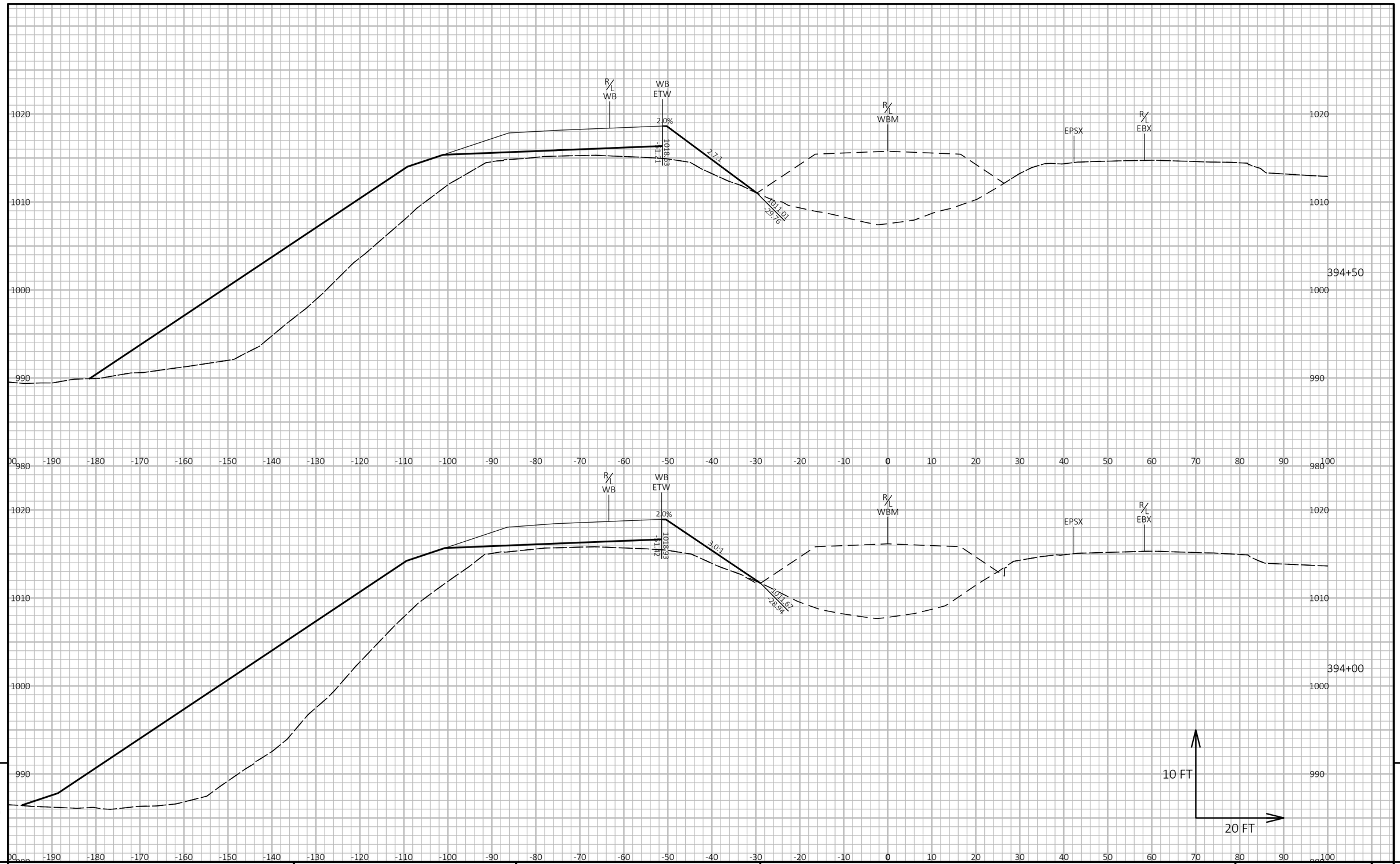
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT 100TH STREET	SHEET 648	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090655-xs-wbm-s2

PLOT DATE : 4/1/2024 10:26 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

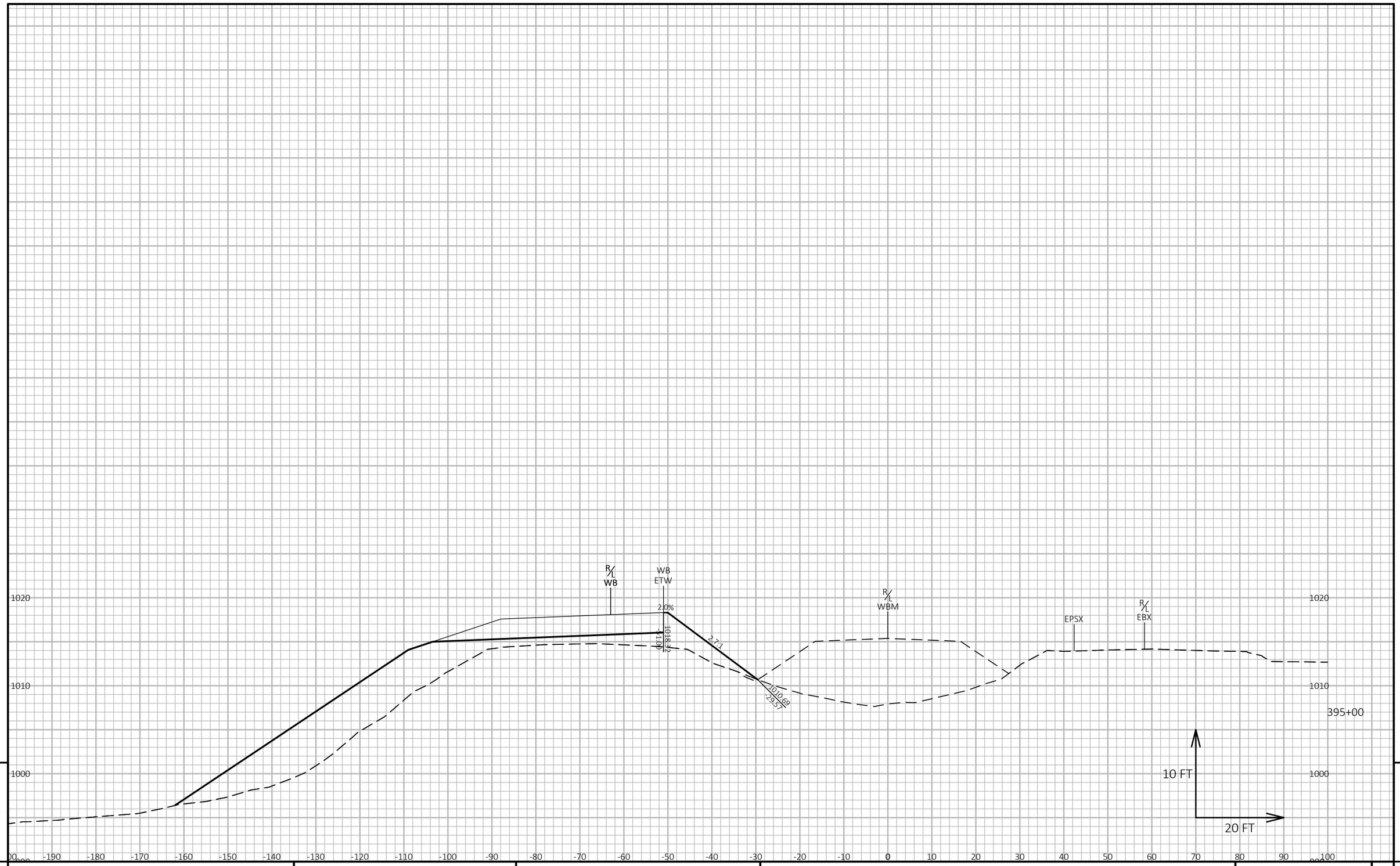


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT 100TH STREET	SHEET 649	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090656-xs-wbm-s2

PLOT DATE : 4/1/2024 10:26 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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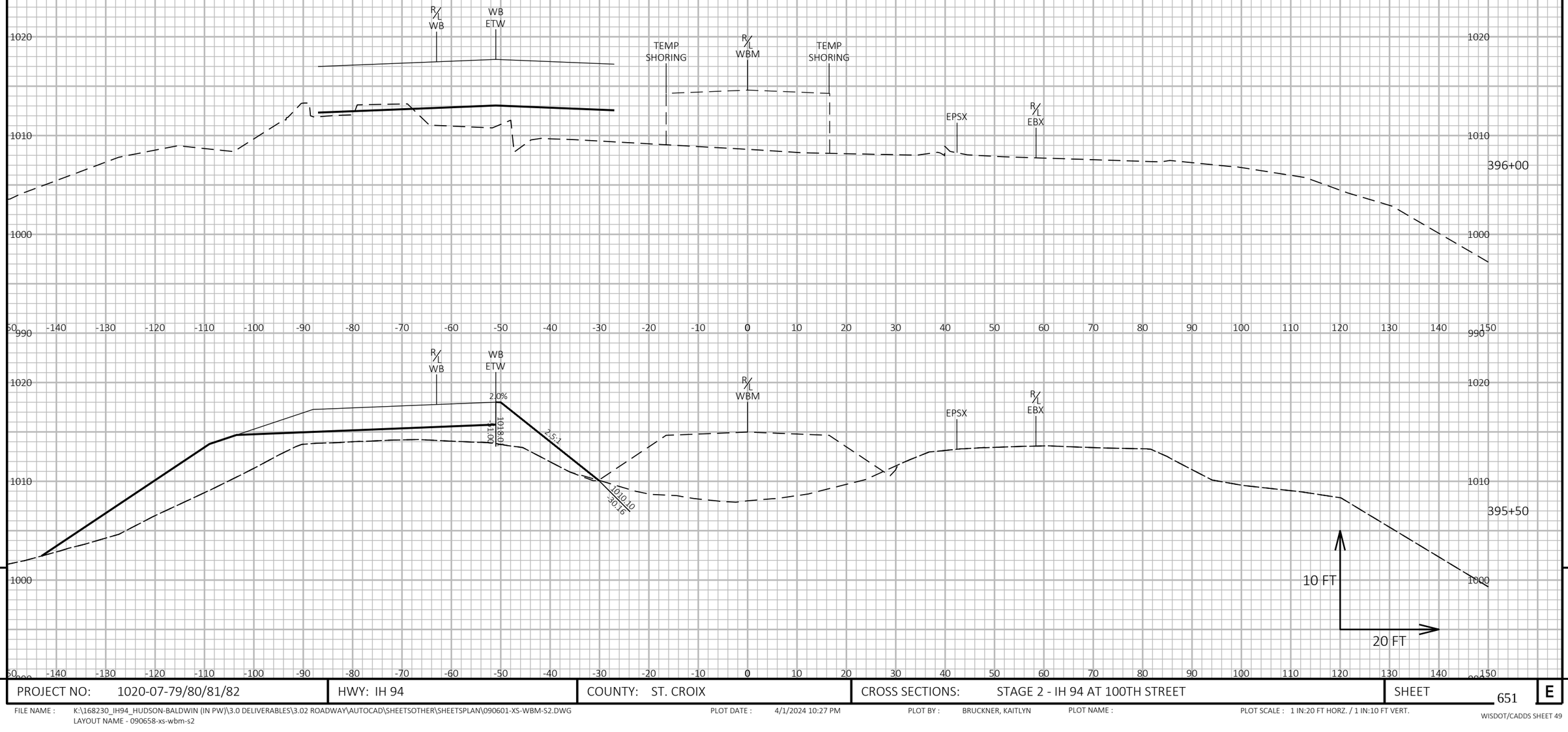
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT 100TH STREET	SHEET 650	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090657-xs-wbm-s2

PLOT DATE : 4/1/2024 10:27 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

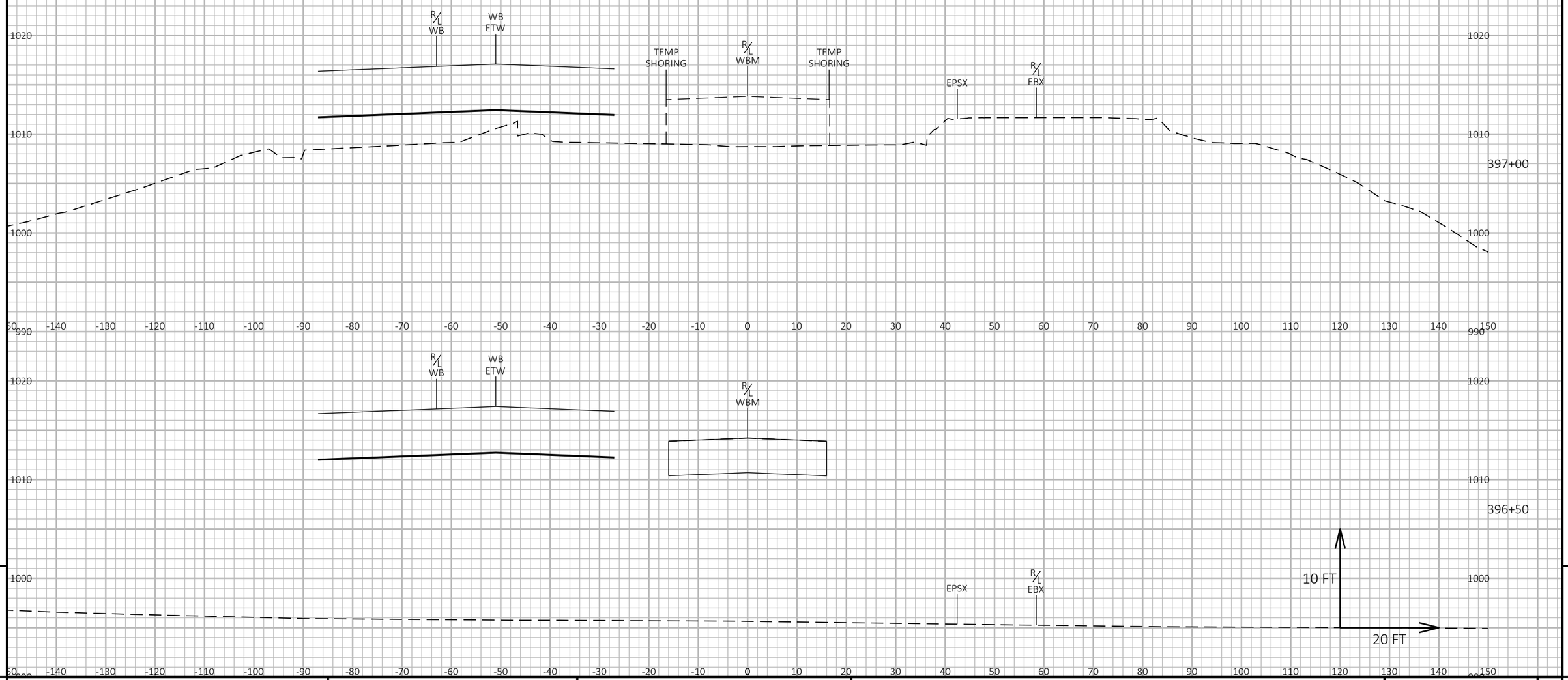


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT 100TH STREET	SHEET 651	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090658-xs-wbm-s2

PLOT DATE : 4/1/2024 10:27 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

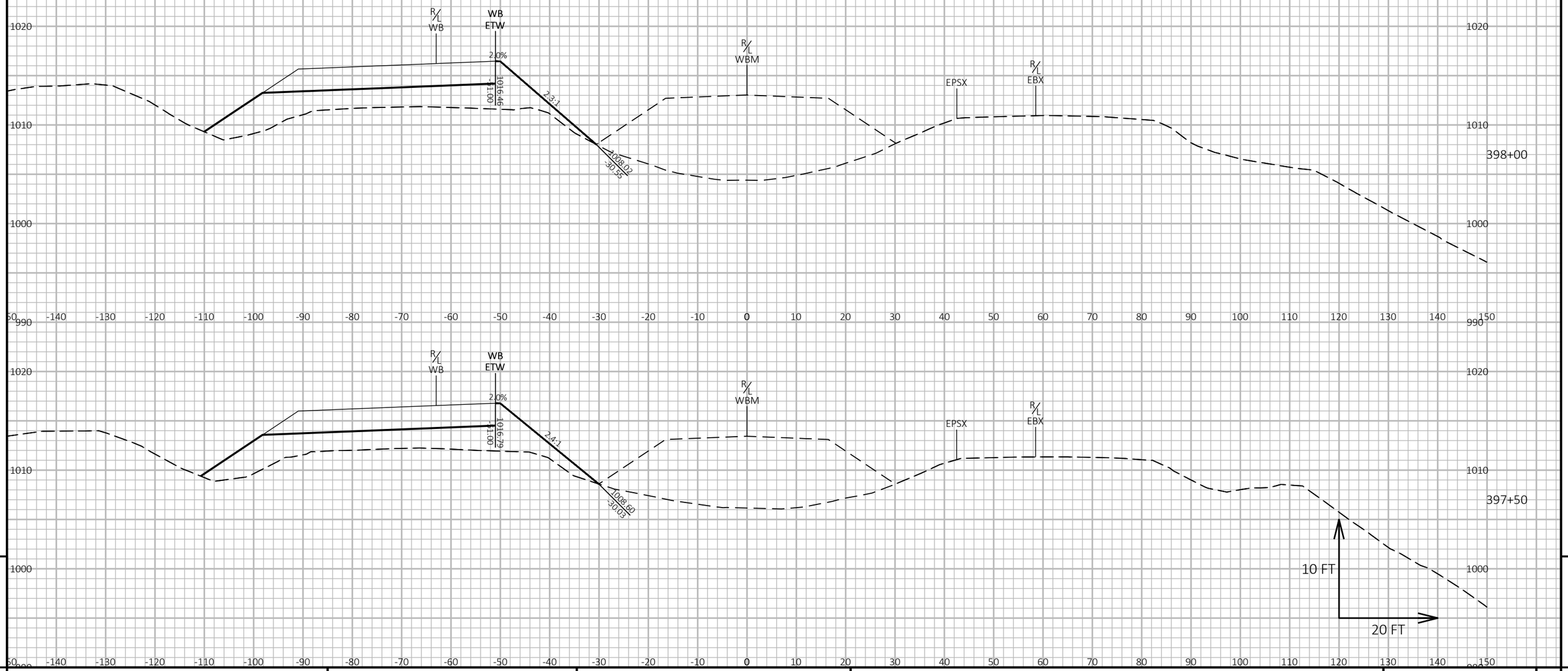


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT 100TH STREET	SHEET 652	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090659-xs-wbm-s2

PLOT DATE : 4/1/2024 10:27 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

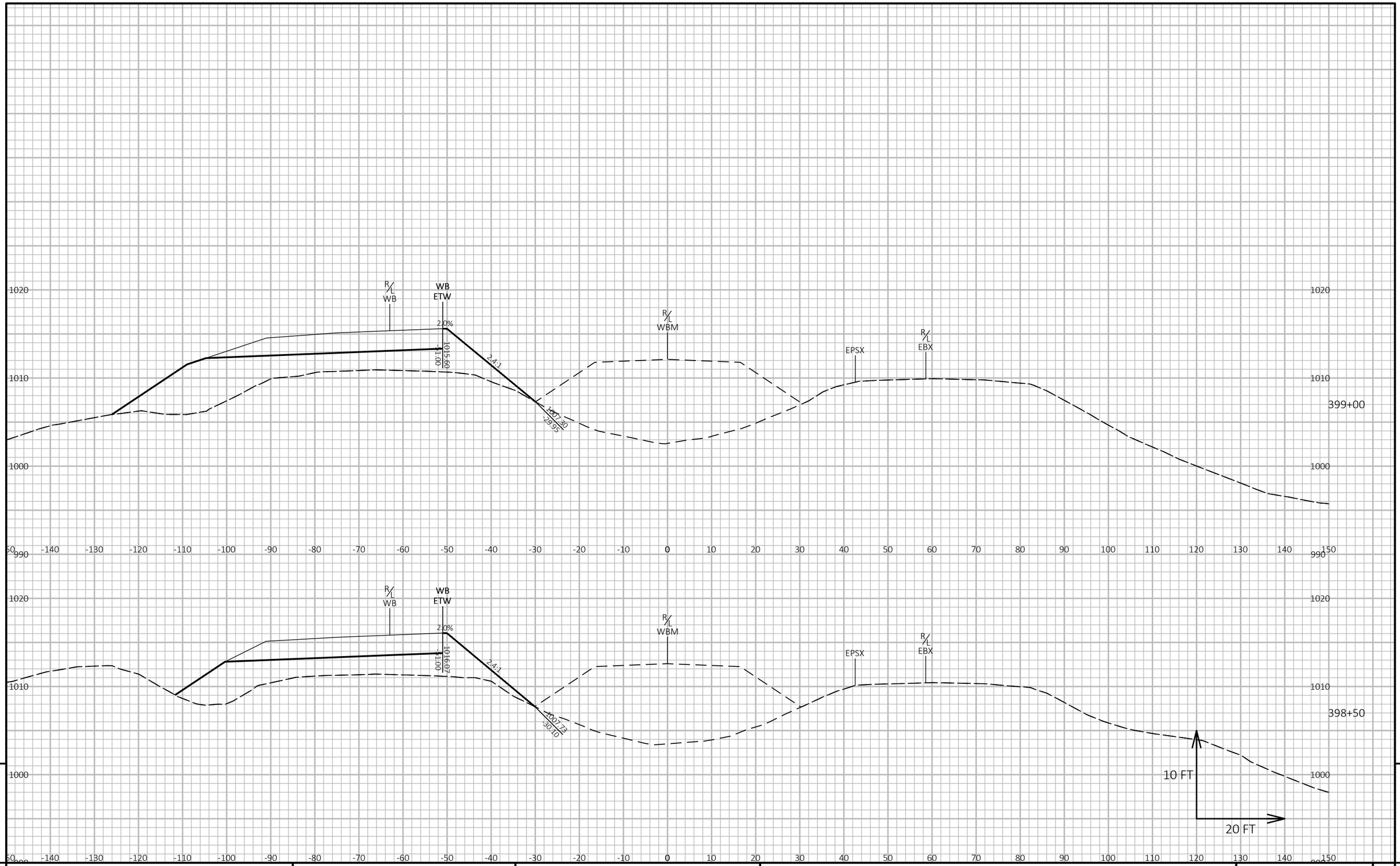


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT 100TH STREET	SHEET 653	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090660-xs-wbm-s2

PLOT DATE : 4/1/2024 10:27 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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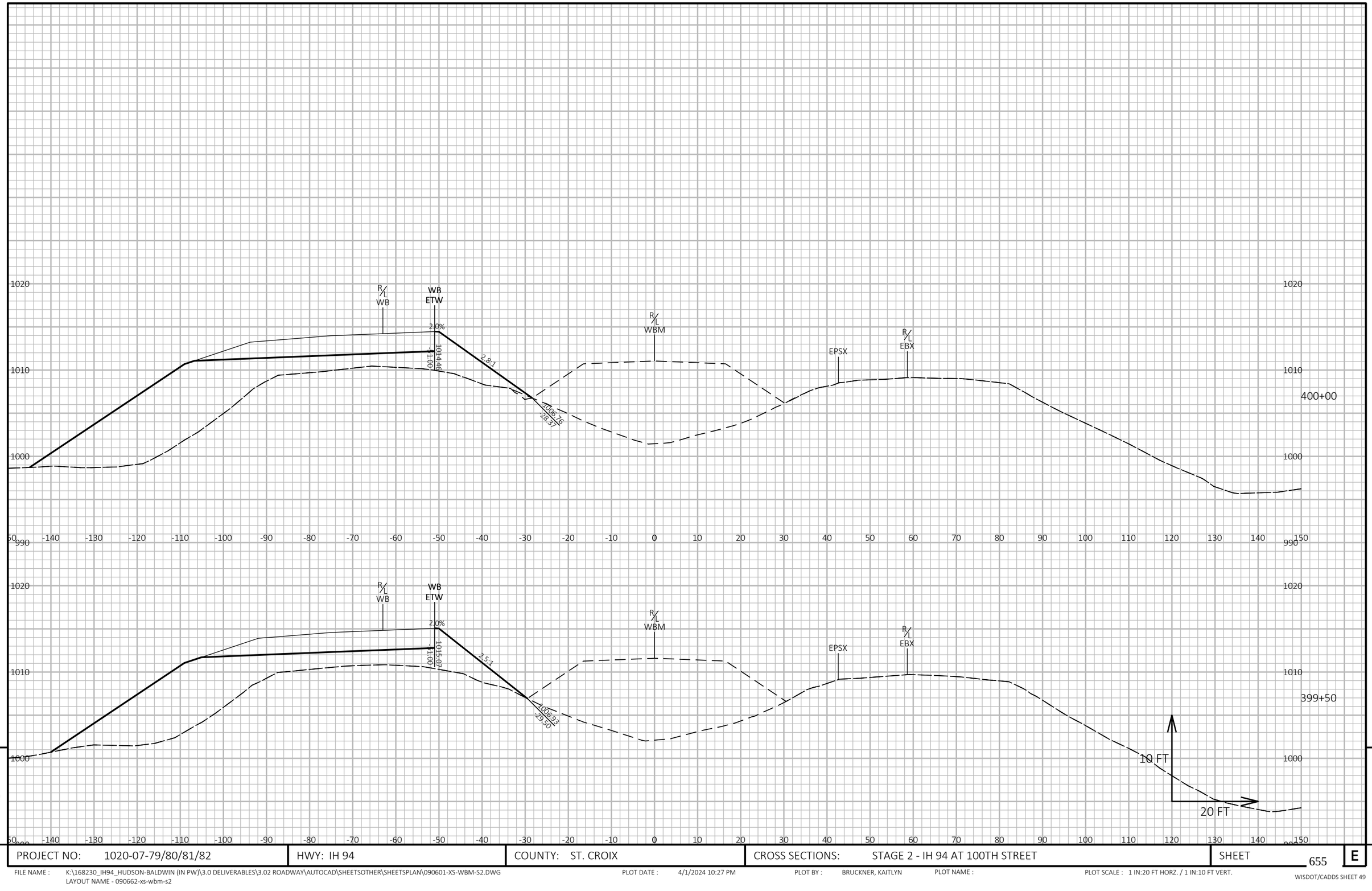
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT 100TH STREET	SHEET 654	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090661-xs-wbm-s2

PLOT DATE : 4/1/2024 10:27 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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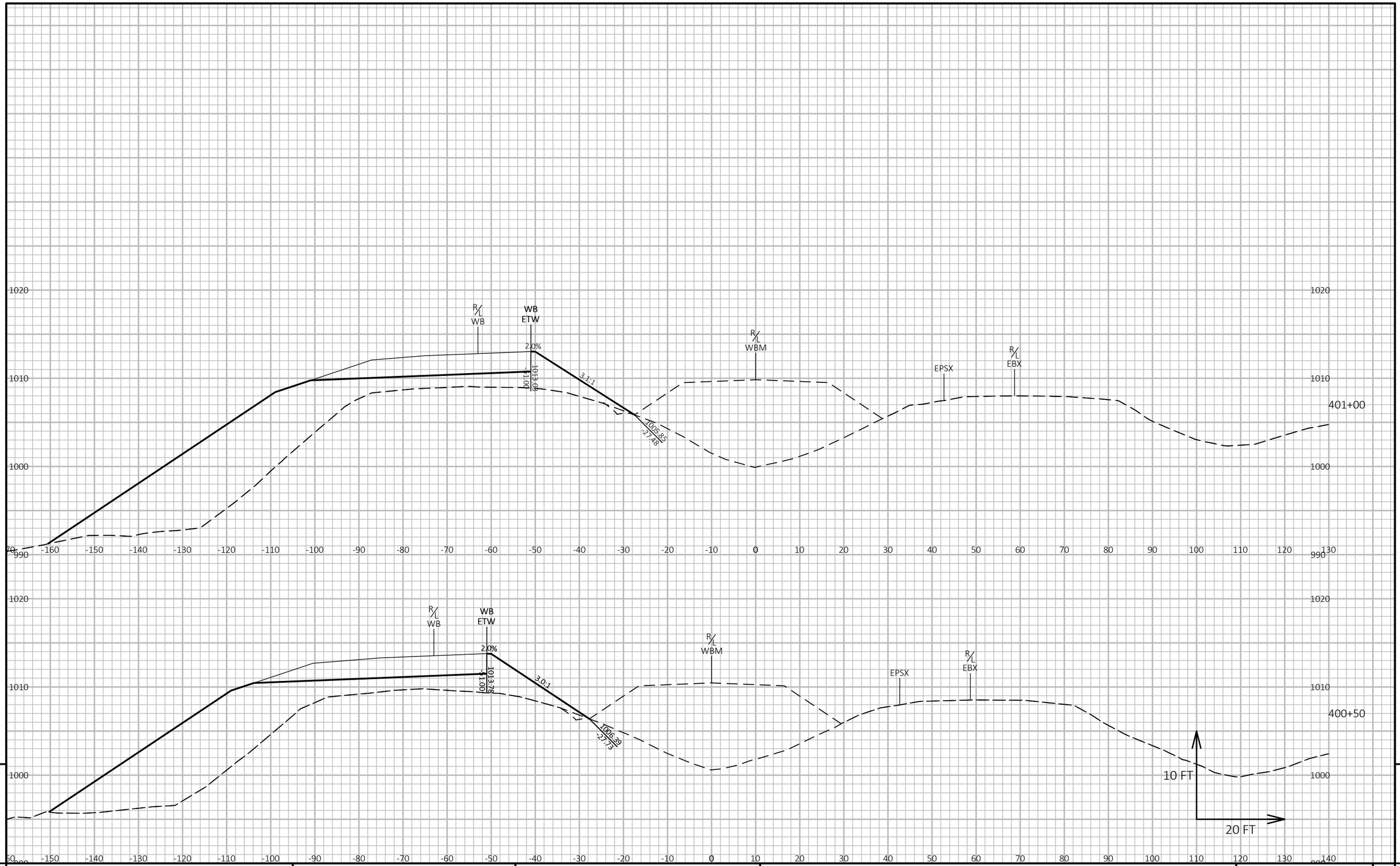
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT 100TH STREET	SHEET 655	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090662-xs-wbm-s2

PLOT DATE : 4/1/2024 10:27 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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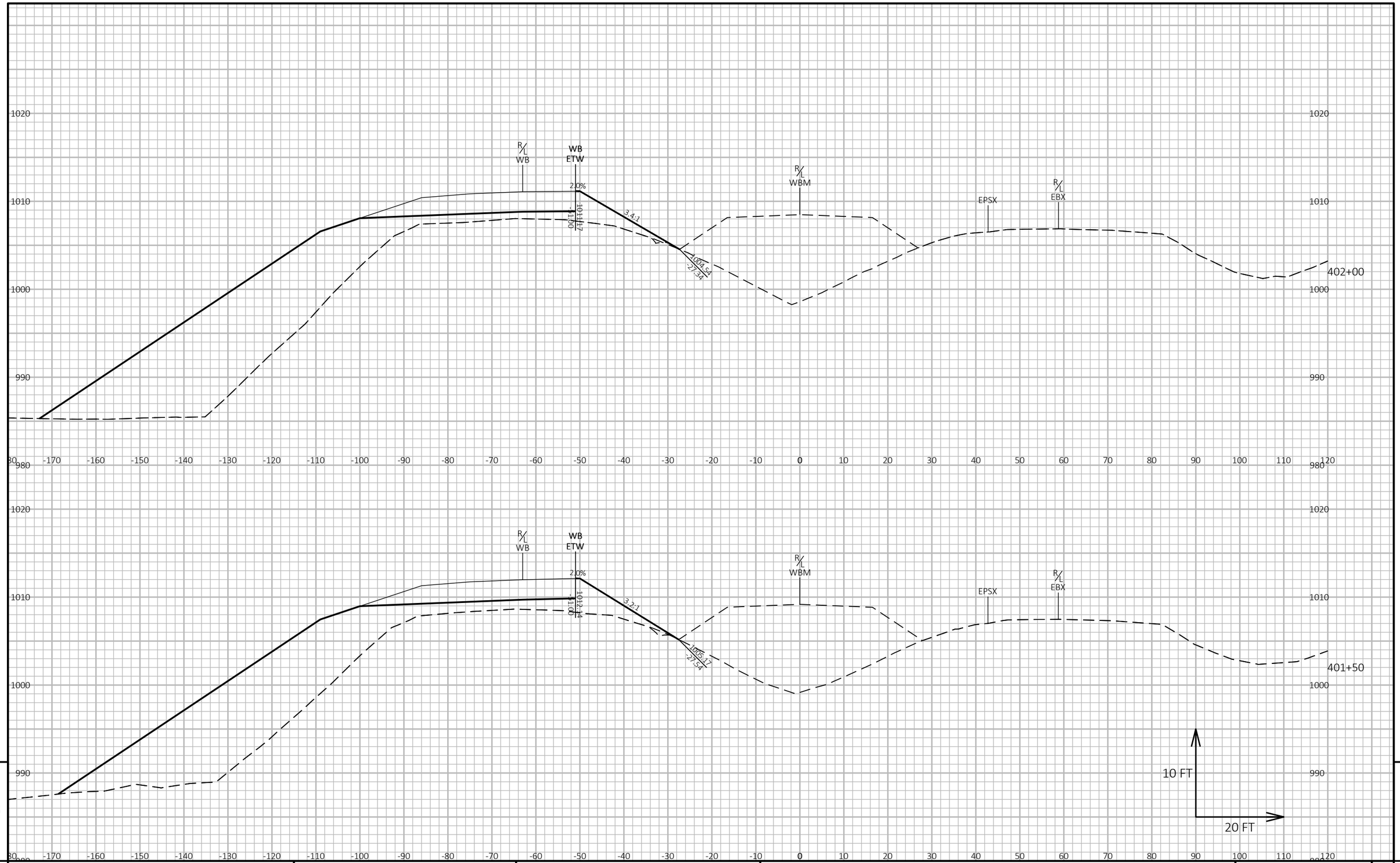
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT 100TH STREET	SHEET 656	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090663-xs-wbm-s2

PLOT DATE : 4/1/2024 10:27 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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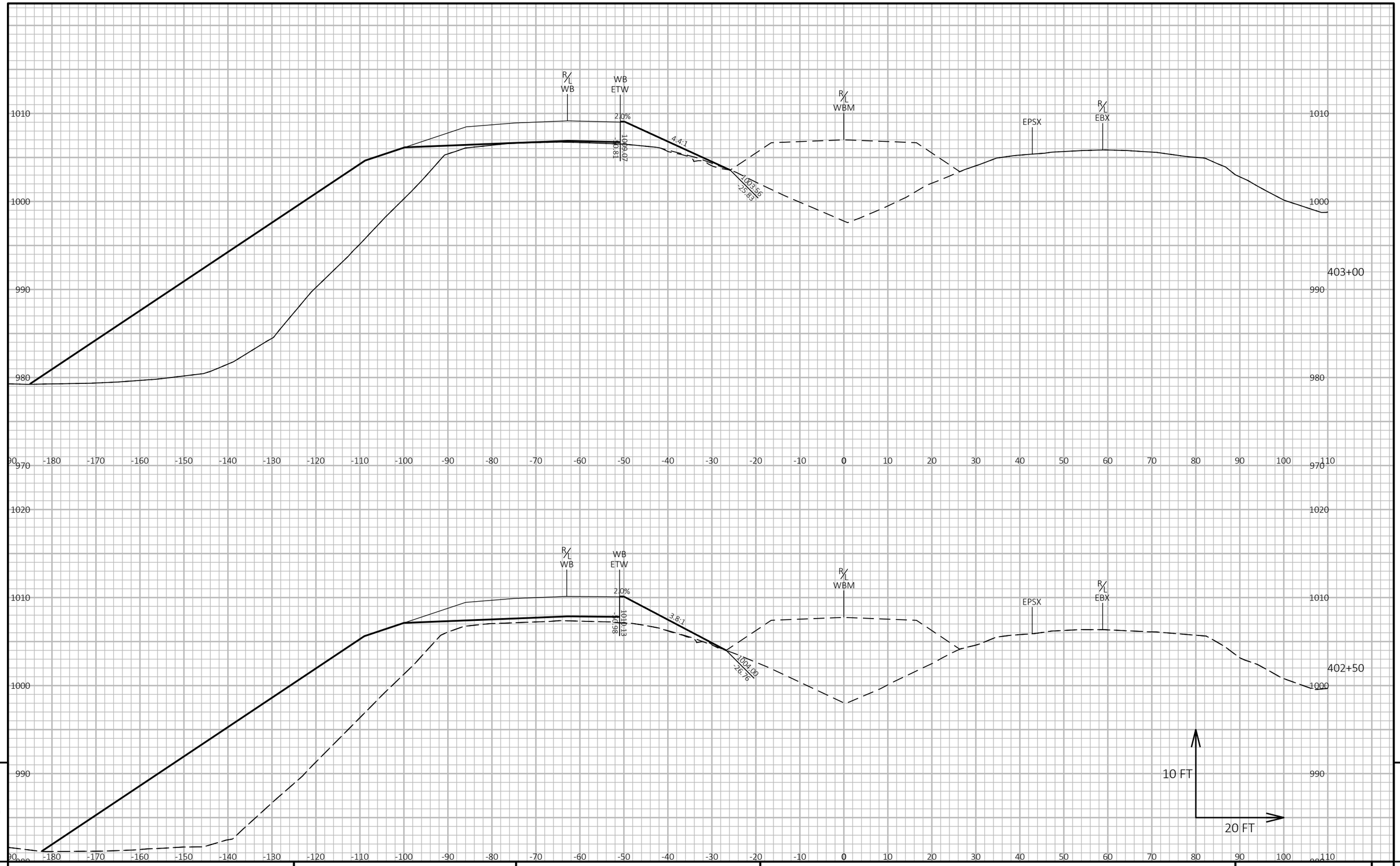
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT 100TH STREET	SHEET 657	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090664-xs-wbm-s2

PLOT DATE : 4/1/2024 10:27 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

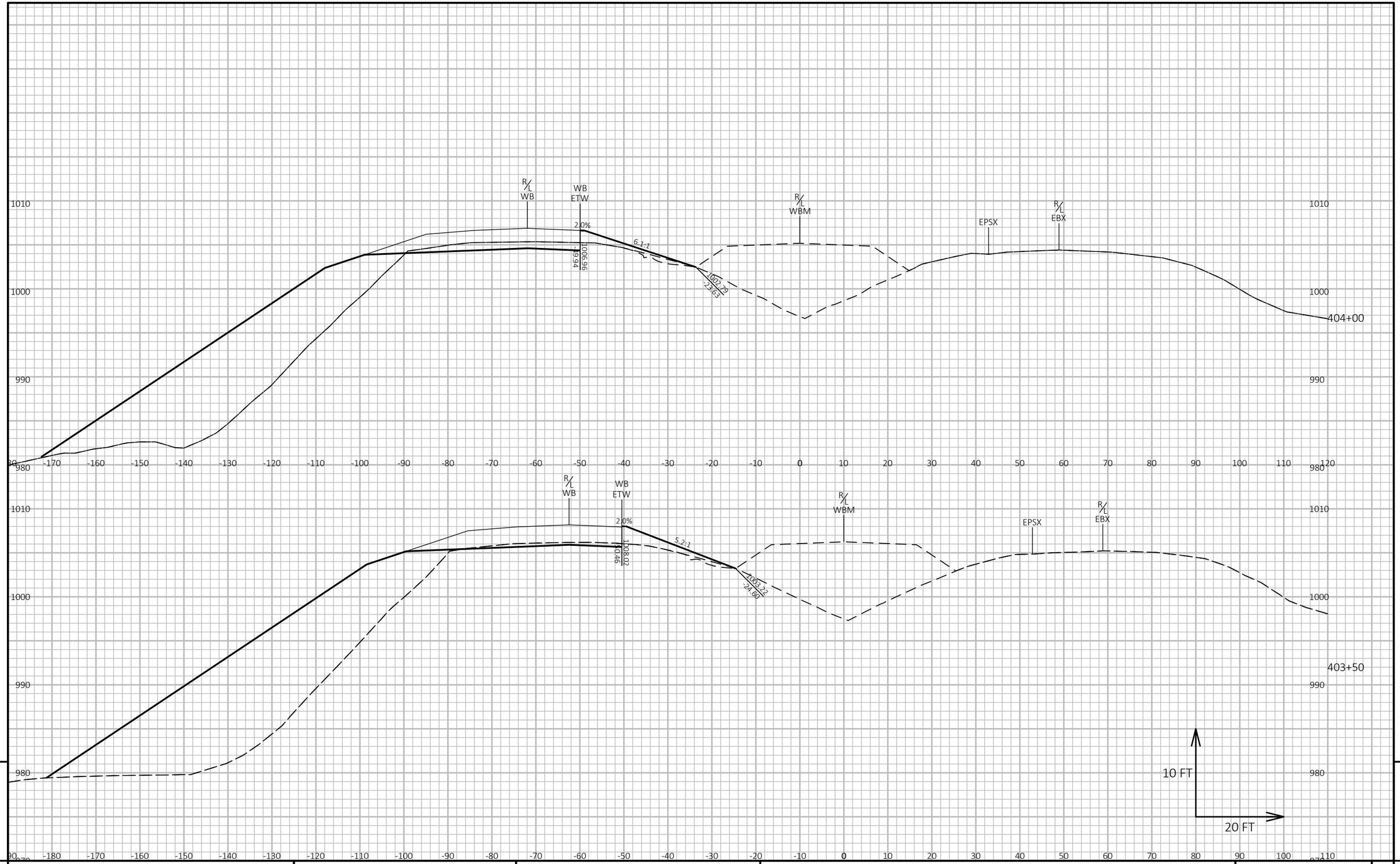


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT 100TH STREET	SHEET 658	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090665-xs-wbm-s2

PLOT DATE : 4/1/2024 10:27 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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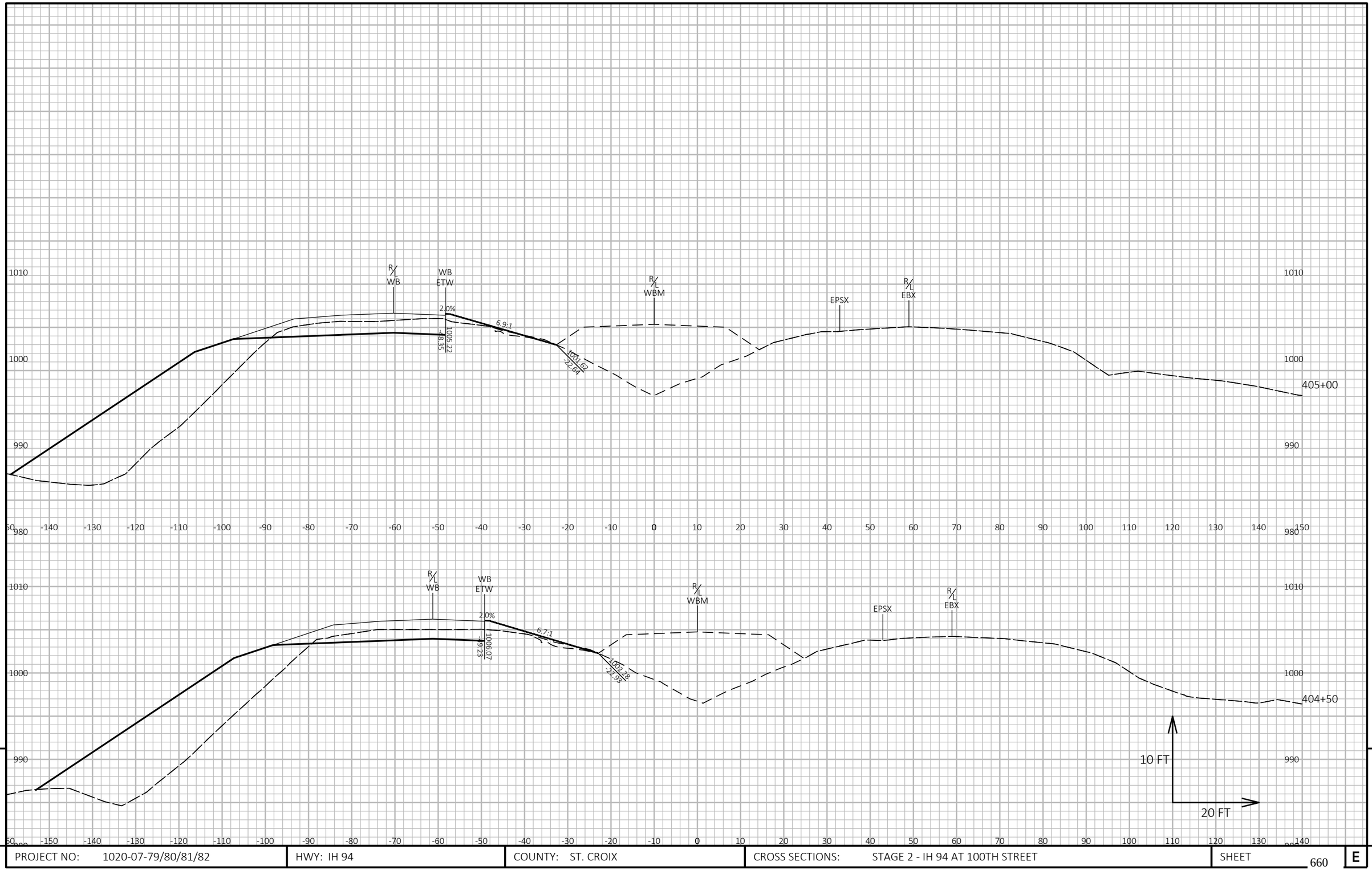
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT 100TH STREET	SHEET 659	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090666-xs-wbm-s2

PLOT DATE : 4/1/2024 10:27 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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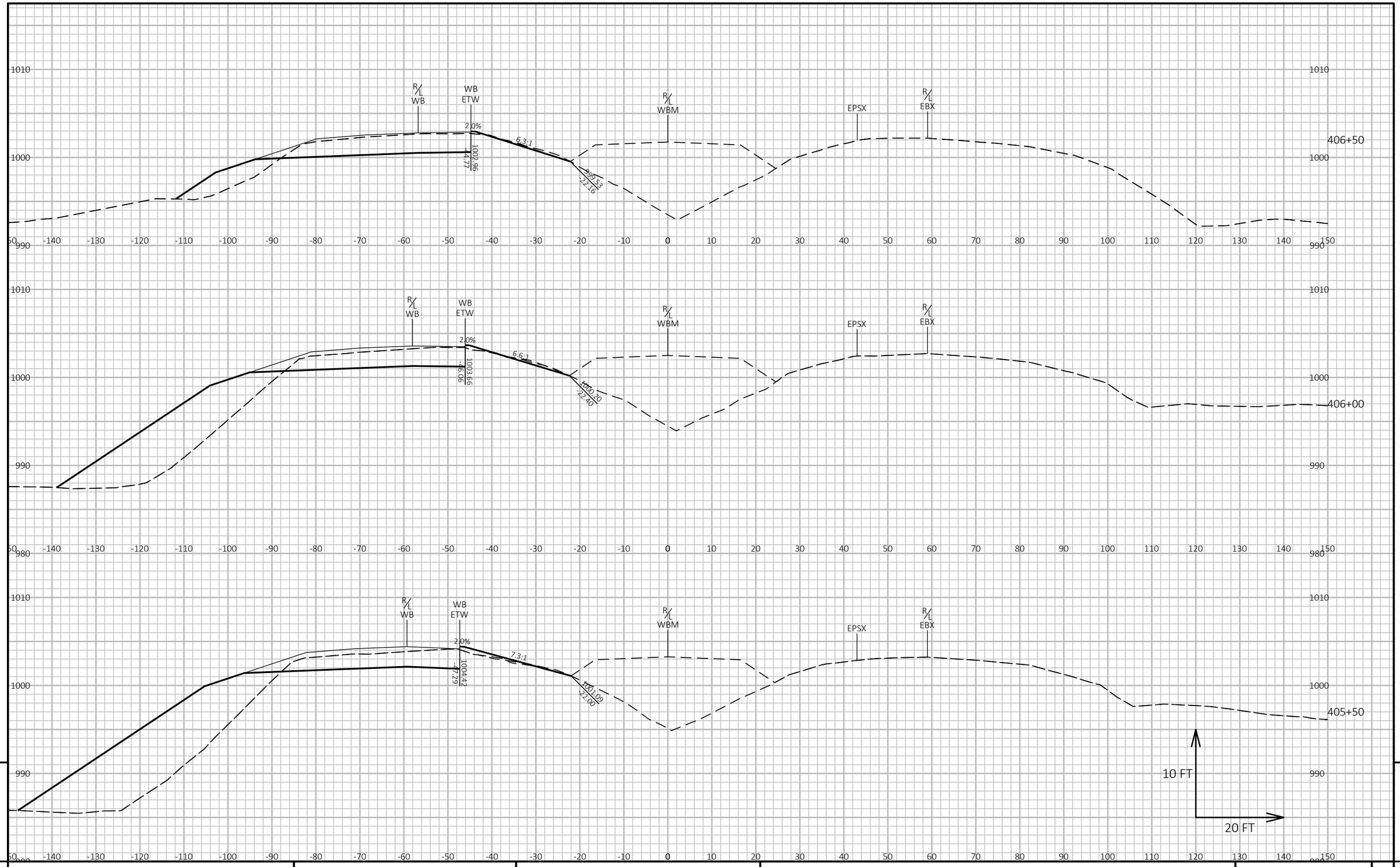
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT 100TH STREET	SHEET 660	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090667-xs-wbm-s2

PLOT DATE : 4/1/2024 10:27 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

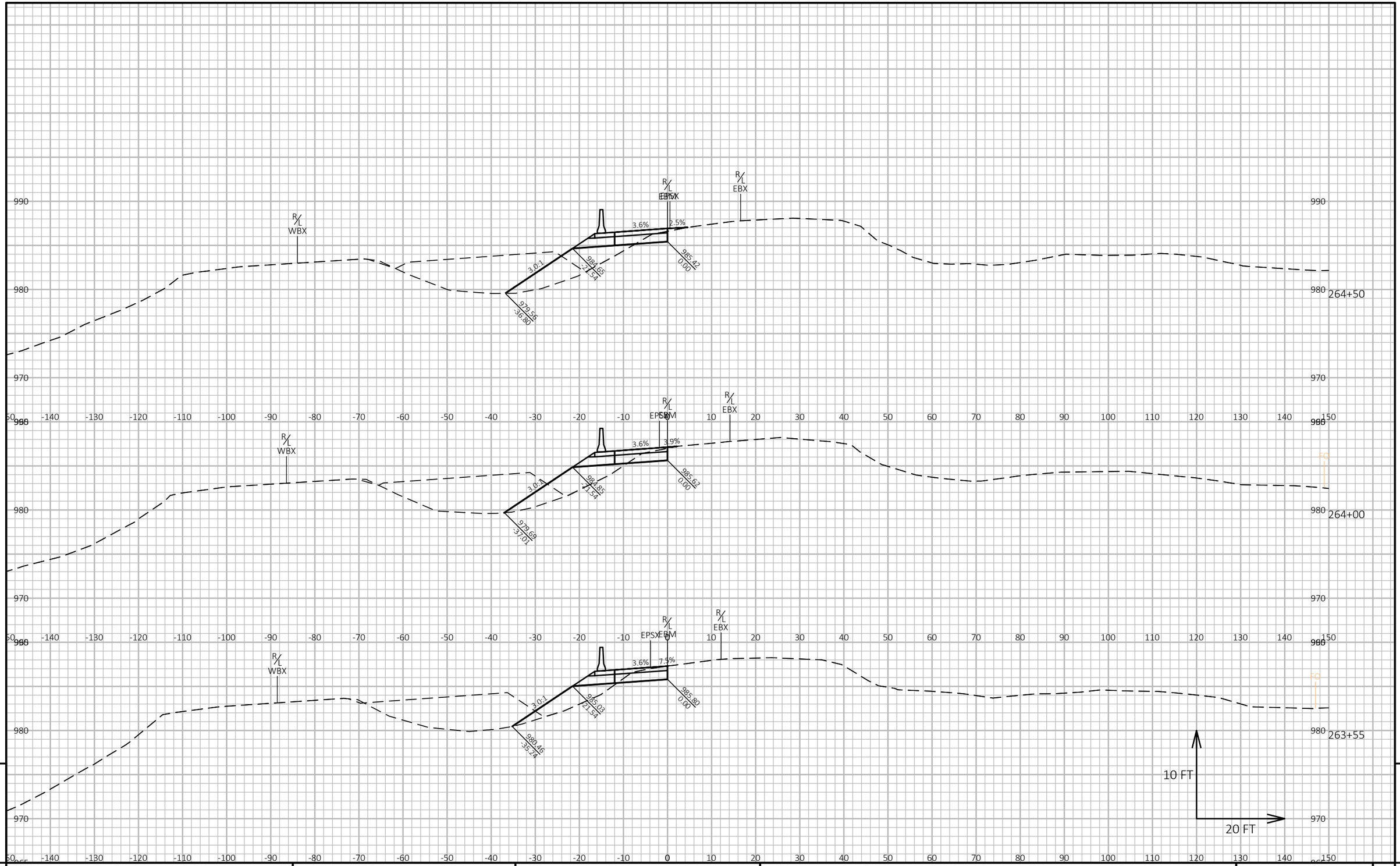


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 2 - IH 94 AT 100TH STREET	SHEET 661 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090601-XS-WBM-S2.DWG
LAYOUT NAME - 090668-xs-wbm-s2

PLOT DATE : 4/1/2024 10:27 PM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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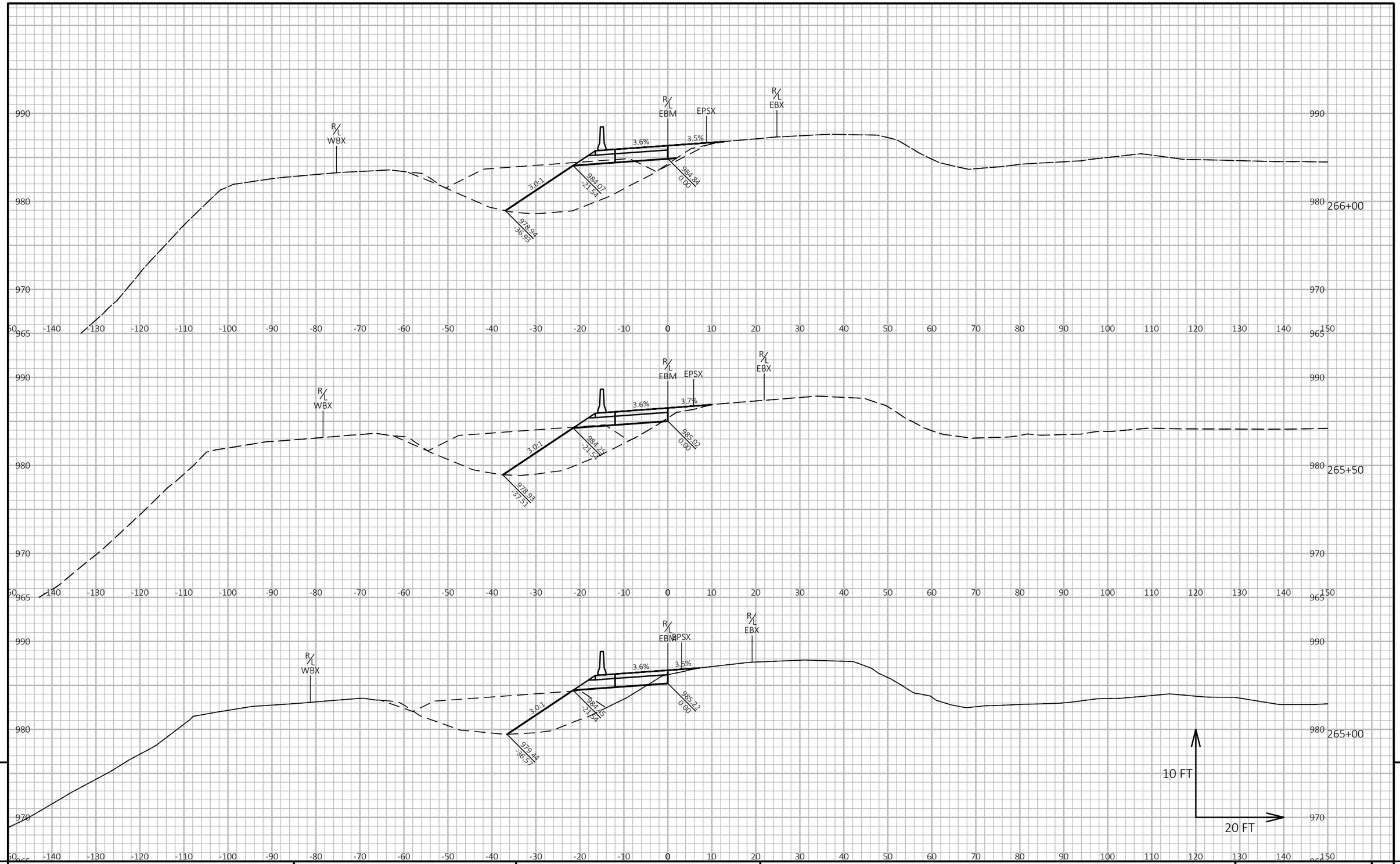
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3A - IH 94 AT KINNEY ROAD	SHEET 662	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090701-XS-EBM-S3A.DWG
LAYOUT NAME - 090701-xs-ebm-s3a

PLOT DATE : 3/25/2024 11:17 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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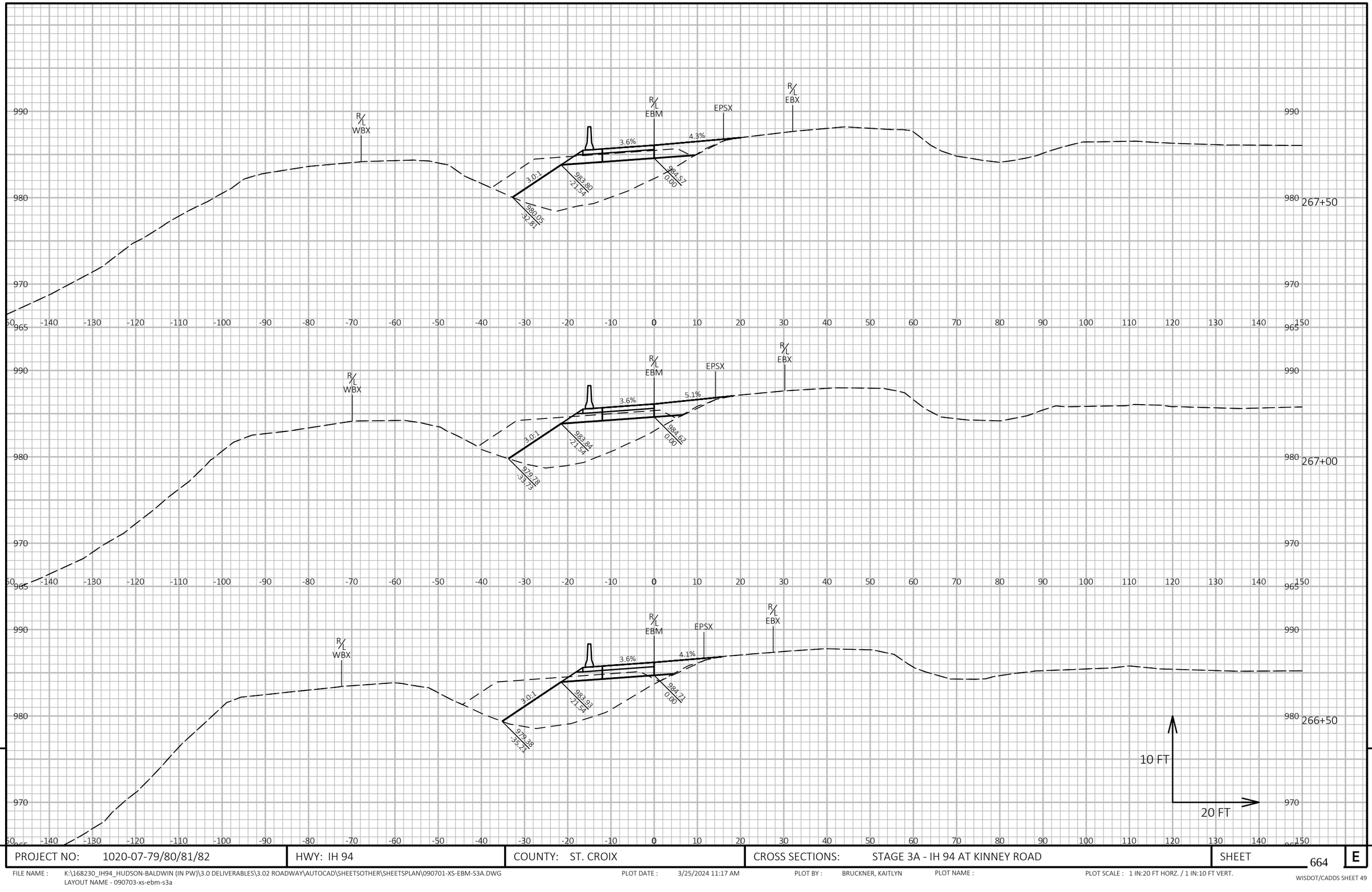
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3A - IH 94 AT KINNEY ROAD	SHEET 663	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090701-XS-EBM-S3A.DWG
LAYOUT NAME - 090702-xs-ebm-s3a

PLOT DATE : 3/25/2024 11:17 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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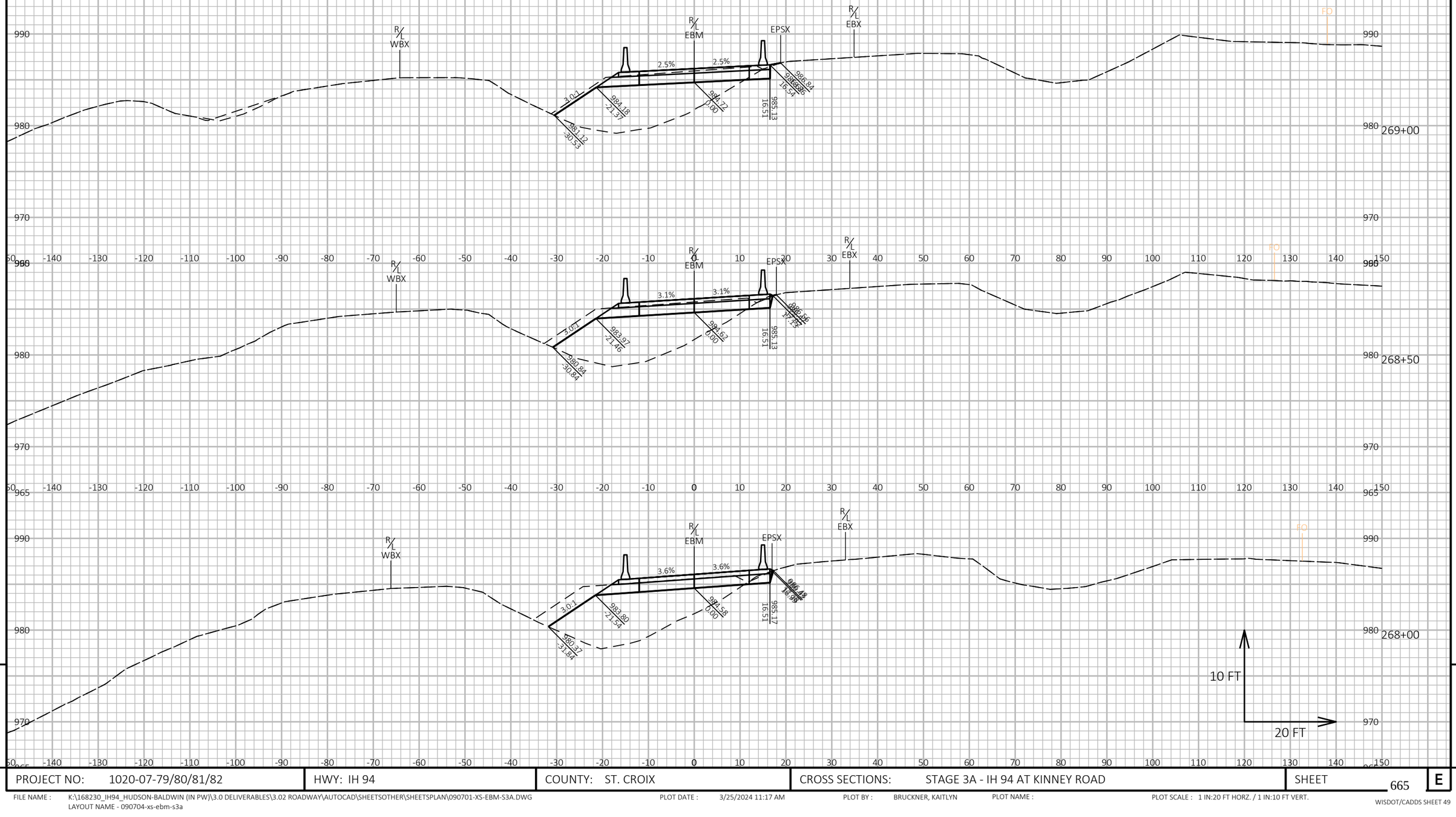
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3A - IH 94 AT KINNEY ROAD	SHEET 664	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090701-XS-EBM-S3A.DWG
LAYOUT NAME - 090703-xs-ebm-s3a

PLOT DATE : 3/25/2024 11:17 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3A - IH 94 AT KINNEY ROAD	SHEET 665	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090701-XS-EBM-S3A.DWG
LAYOUT NAME - 090704-xs-ebm-s3a

PLOT DATE : 3/25/2024 11:17 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

SEE STAGE 1 CROSS SECTIONS FOR INFORMATION STA 271+00 TO STA 293+50

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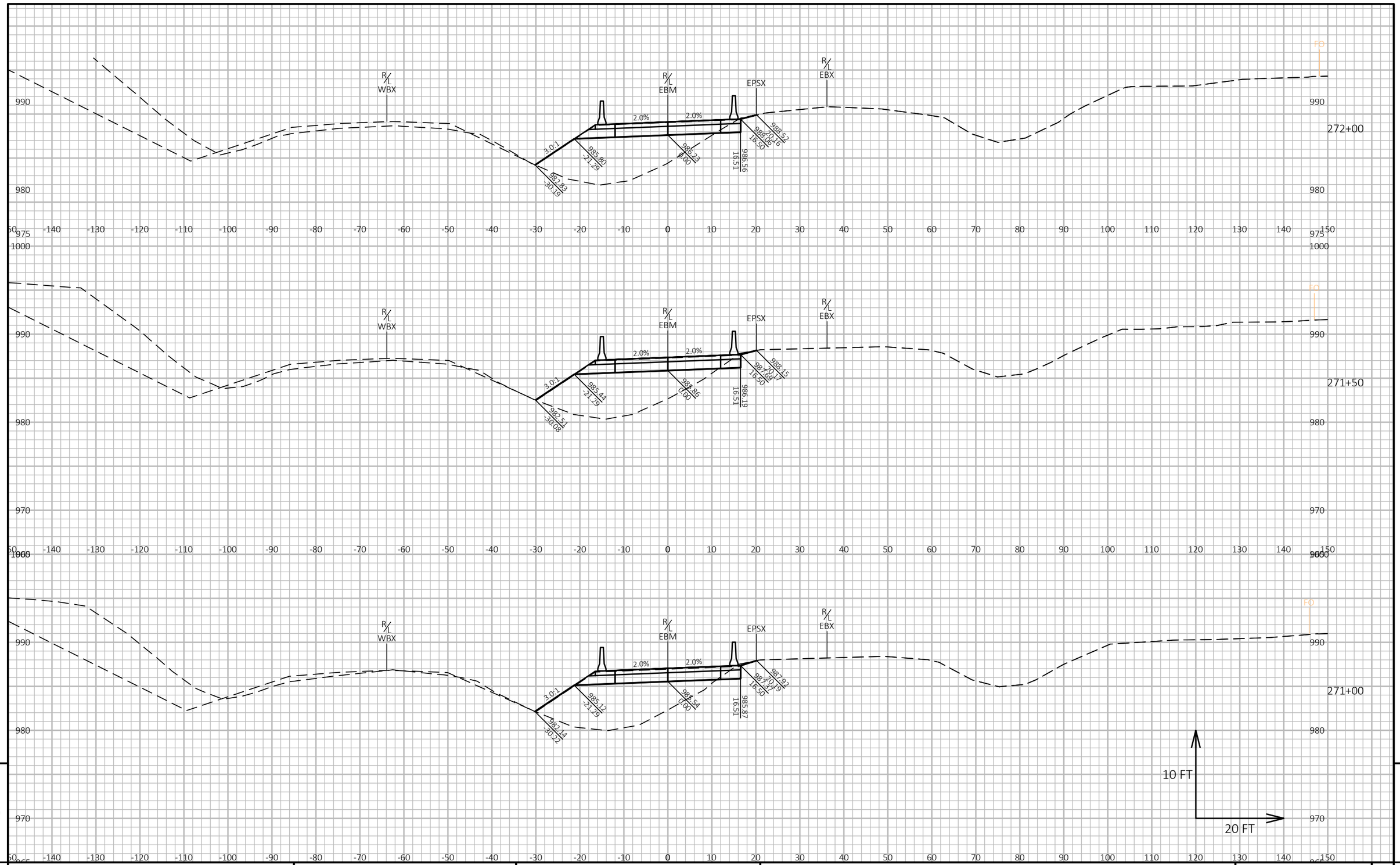
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3A - IH 94 AT KINNEY ROAD	SHEET 666	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090701-XS-EBM-S3A.DWG
LAYOUT NAME - 090705-xs-ebm-s3a

PLOT DATE : 3/25/2024 11:17 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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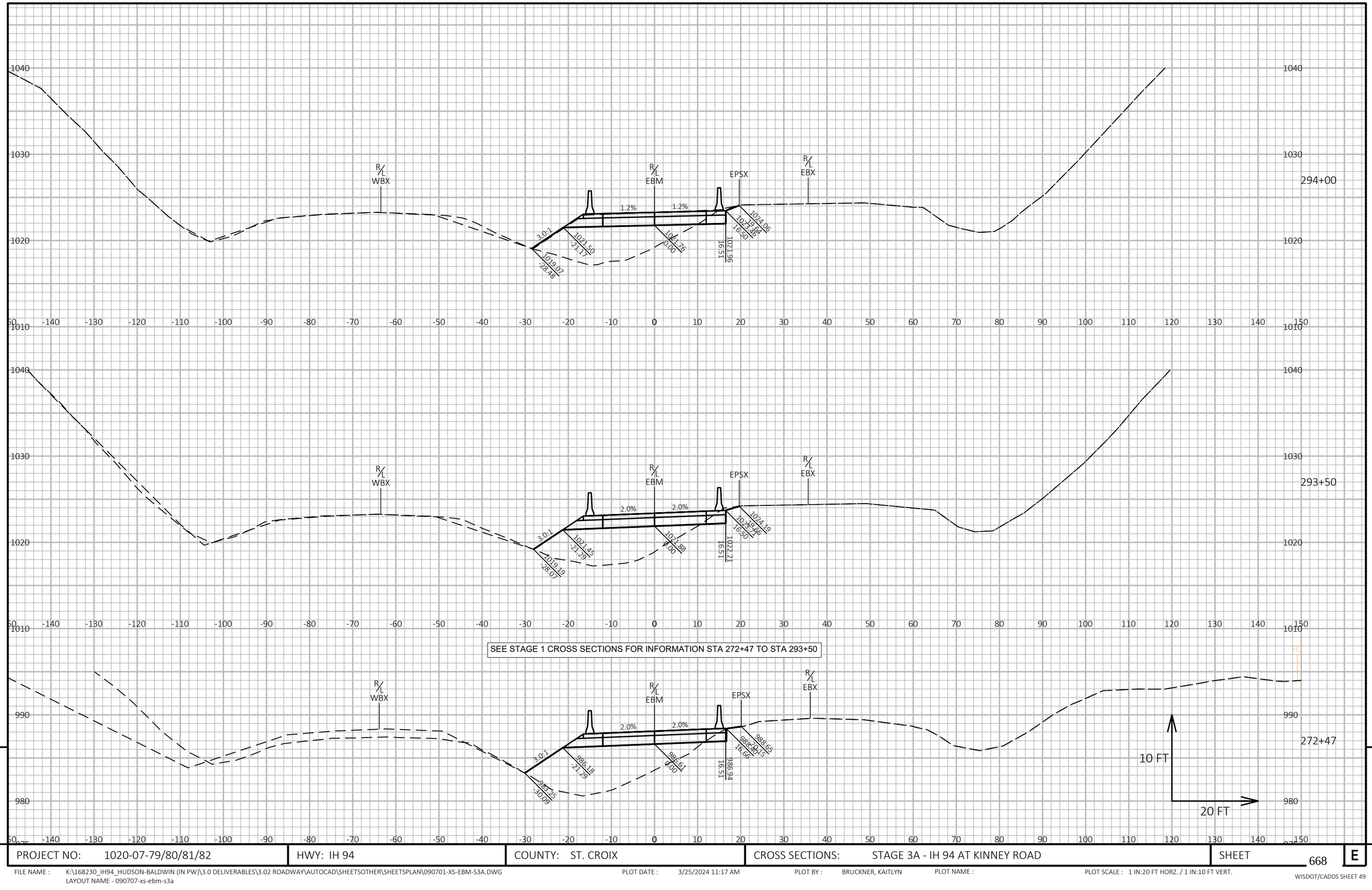
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3A - IH 94 AT KINNEY ROAD	SHEET 667	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090701-XS-EBM-S3A.DWG
LAYOUT NAME - 090706-xs-ebm-s3a

PLOT DATE : 3/25/2024 11:17 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

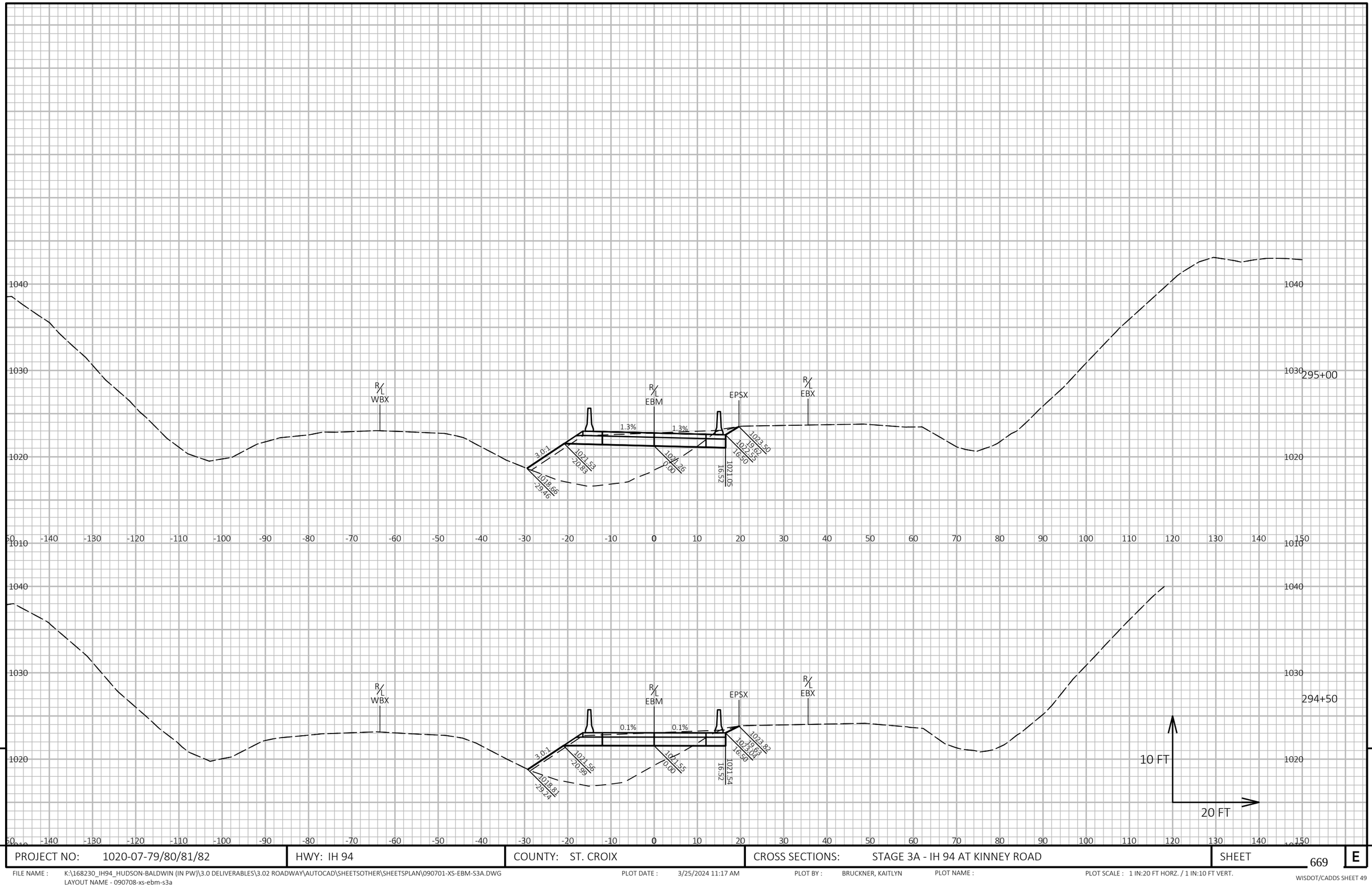


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3A - IH 94 AT KINNEY ROAD	SHEET 668	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090701-XS-EBM-S3A.DWG
LAYOUT NAME - 090707-xs-ebm-s3a

PLOT DATE : 3/25/2024 11:17 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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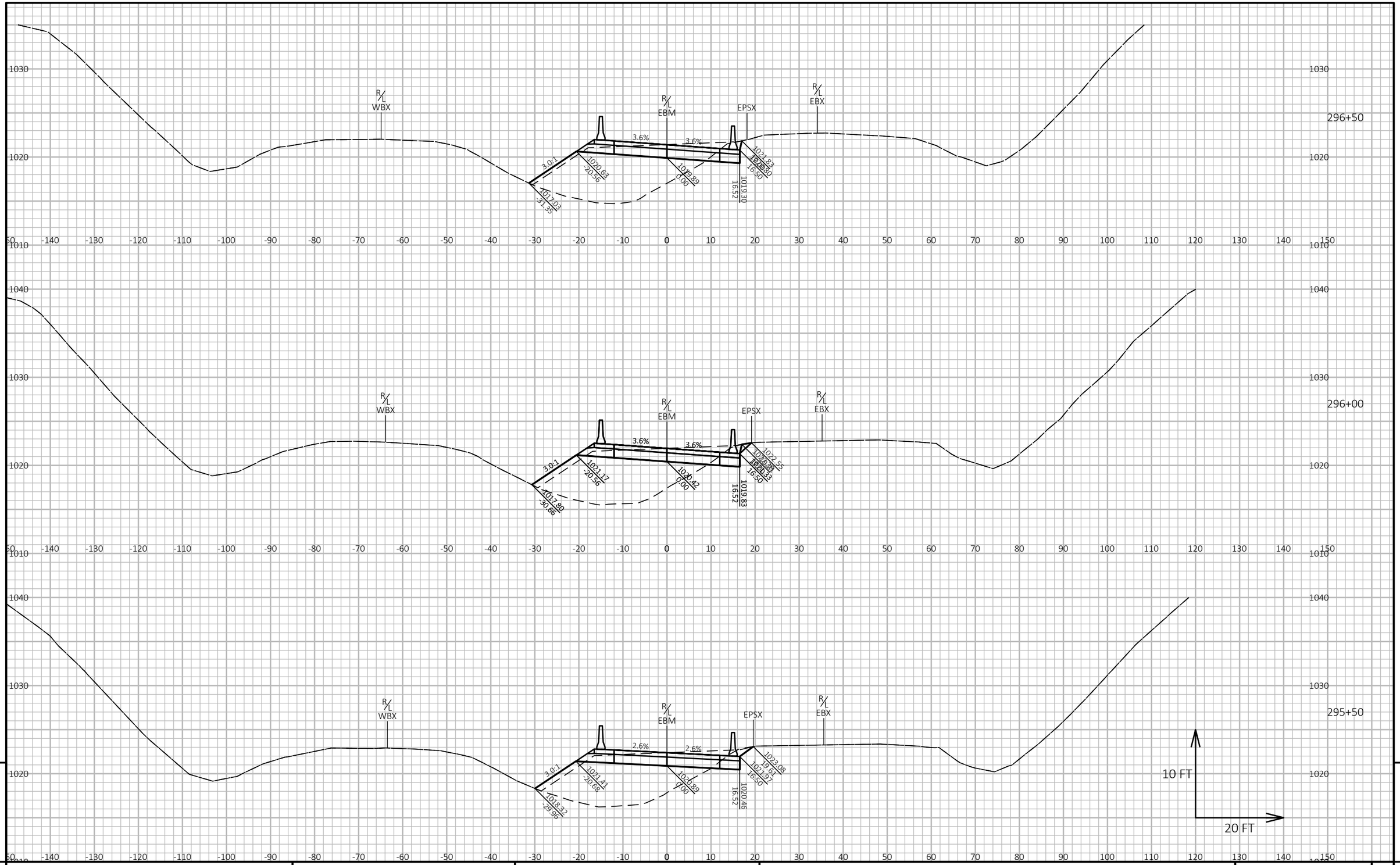
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3A - IH 94 AT KINNEY ROAD	SHEET 669	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090701-XS-EBM-S3A.DWG
LAYOUT NAME - 090708-xs-ebm-s3a

PLOT DATE : 3/25/2024 11:17 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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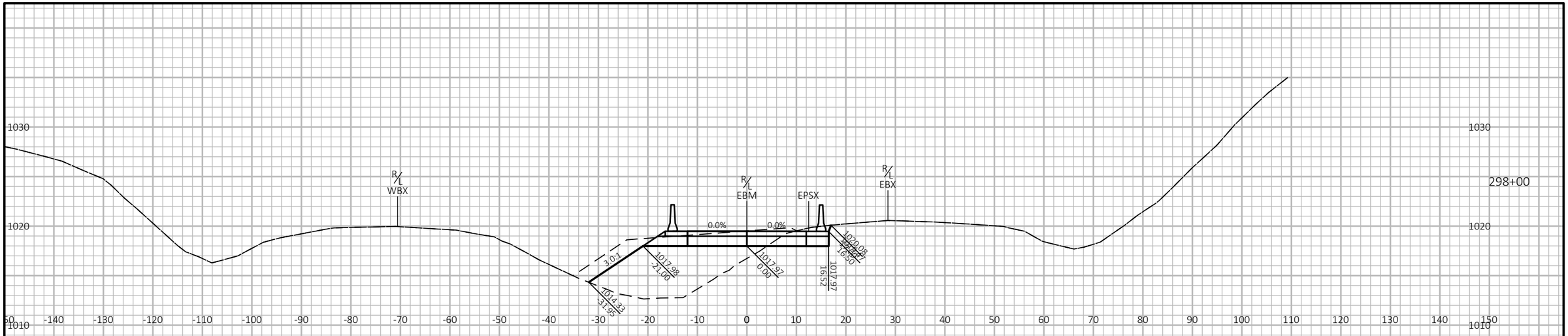
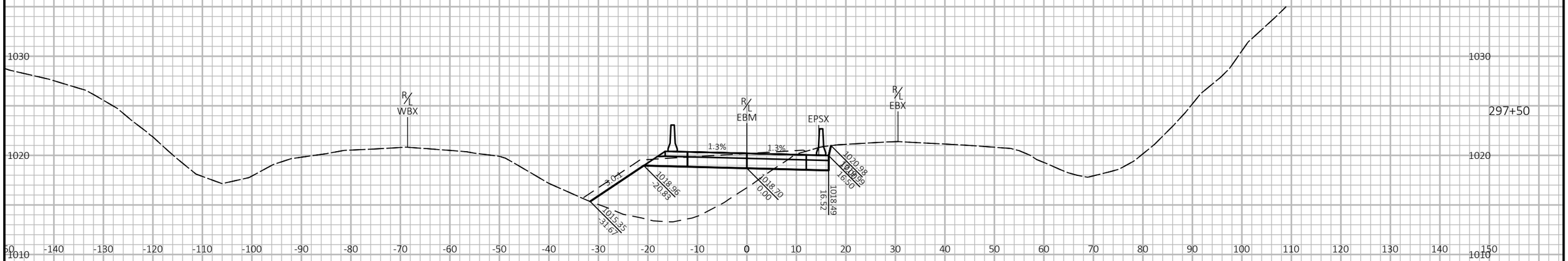
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3A - IH 94 AT KINNEY ROAD	SHEET 670	E

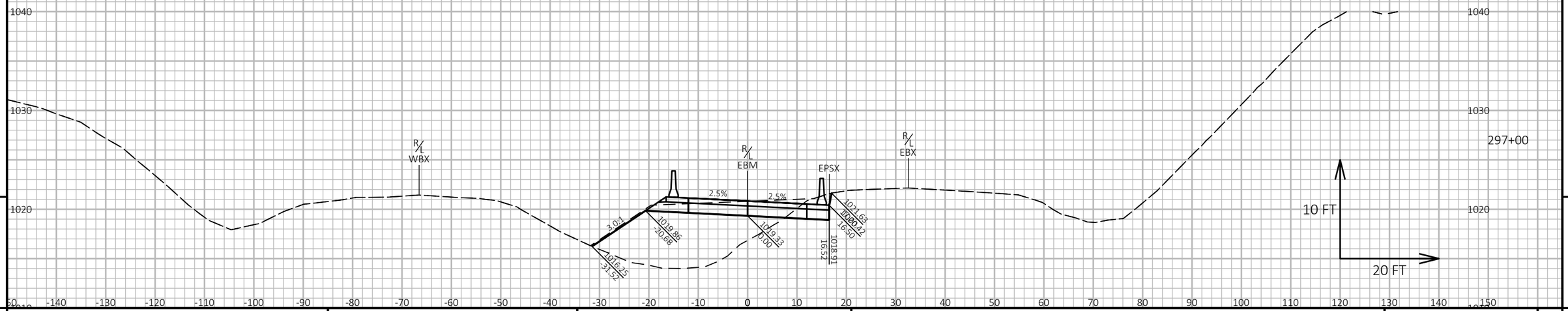
FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090701-XS-EBM-S3A.DWG
LAYOUT NAME - 090709-xs-ebm-s3a

PLOT DATE : 3/25/2024 11:17 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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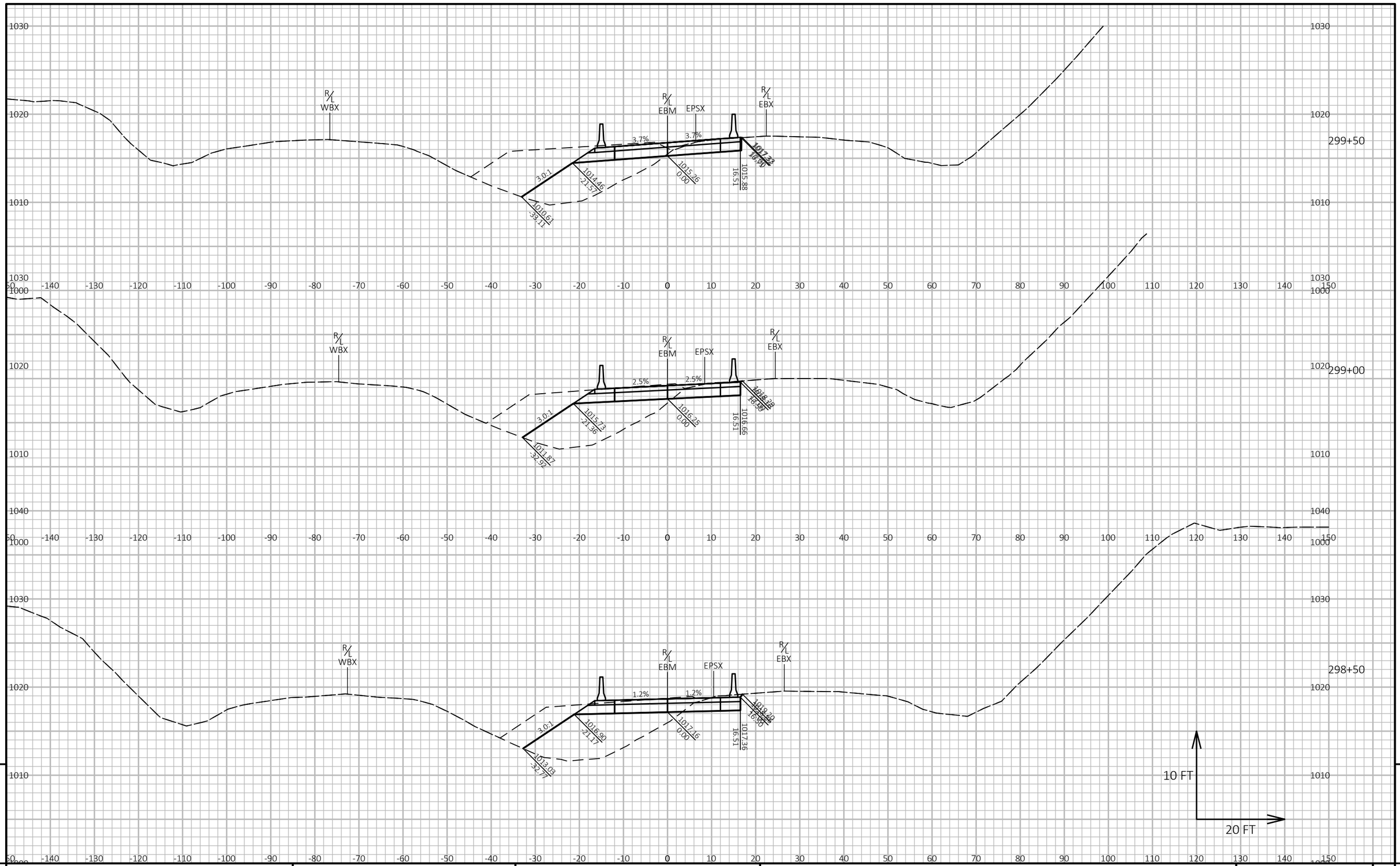
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3A - IH 94 AT KINNEY ROAD	SHEET 671	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090701-XS-EBM-S3A.DWG
LAYOUT NAME - 090710-xs-ebm-s3a

PLOT DATE : 3/25/2024 11:17 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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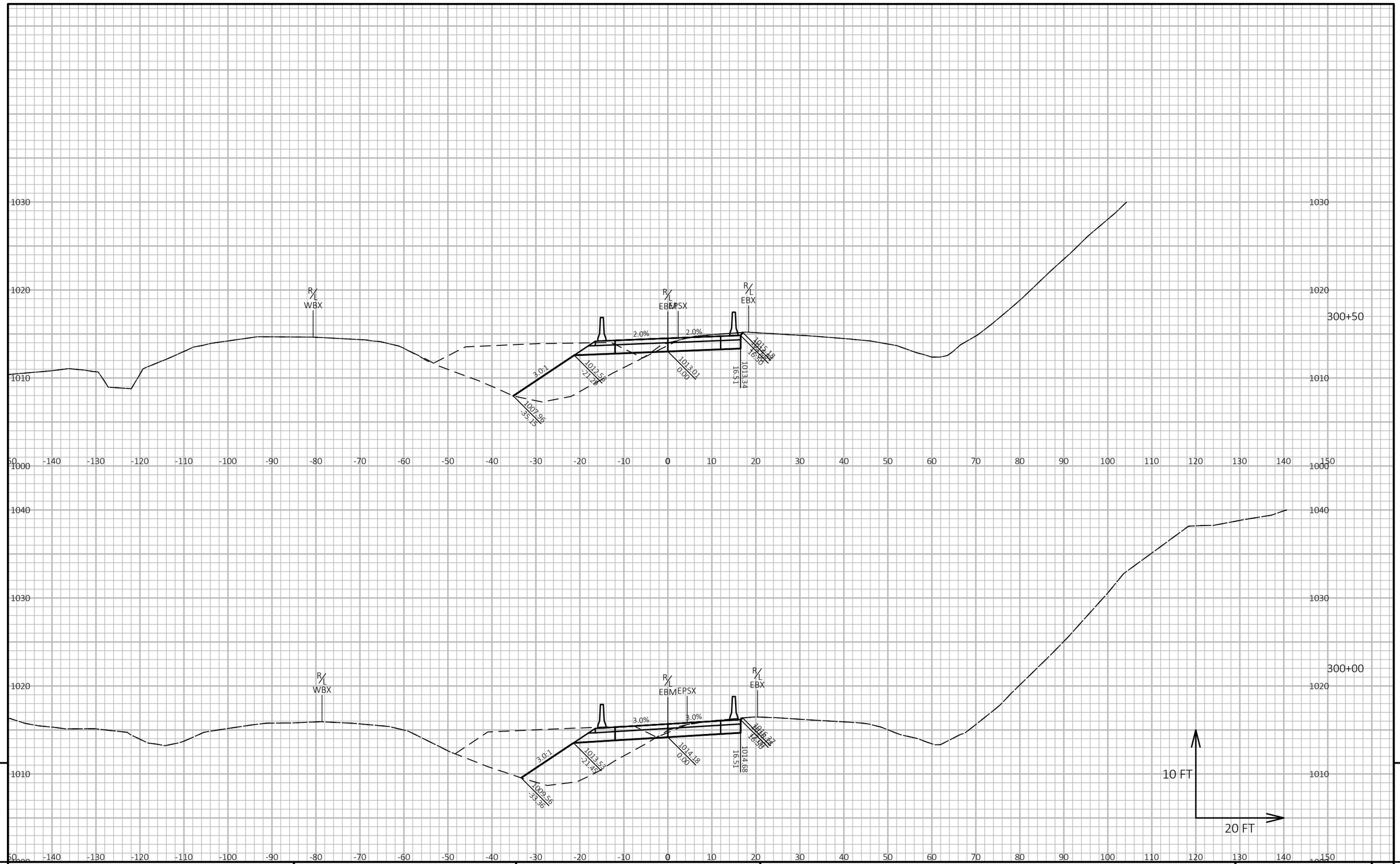
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3A - IH 94 AT KINNEY ROAD	SHEET 672	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090701-XS-EBM-S3A.DWG
LAYOUT NAME - 090711-xs-ebm-s3a

PLOT DATE : 3/25/2024 11:17 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

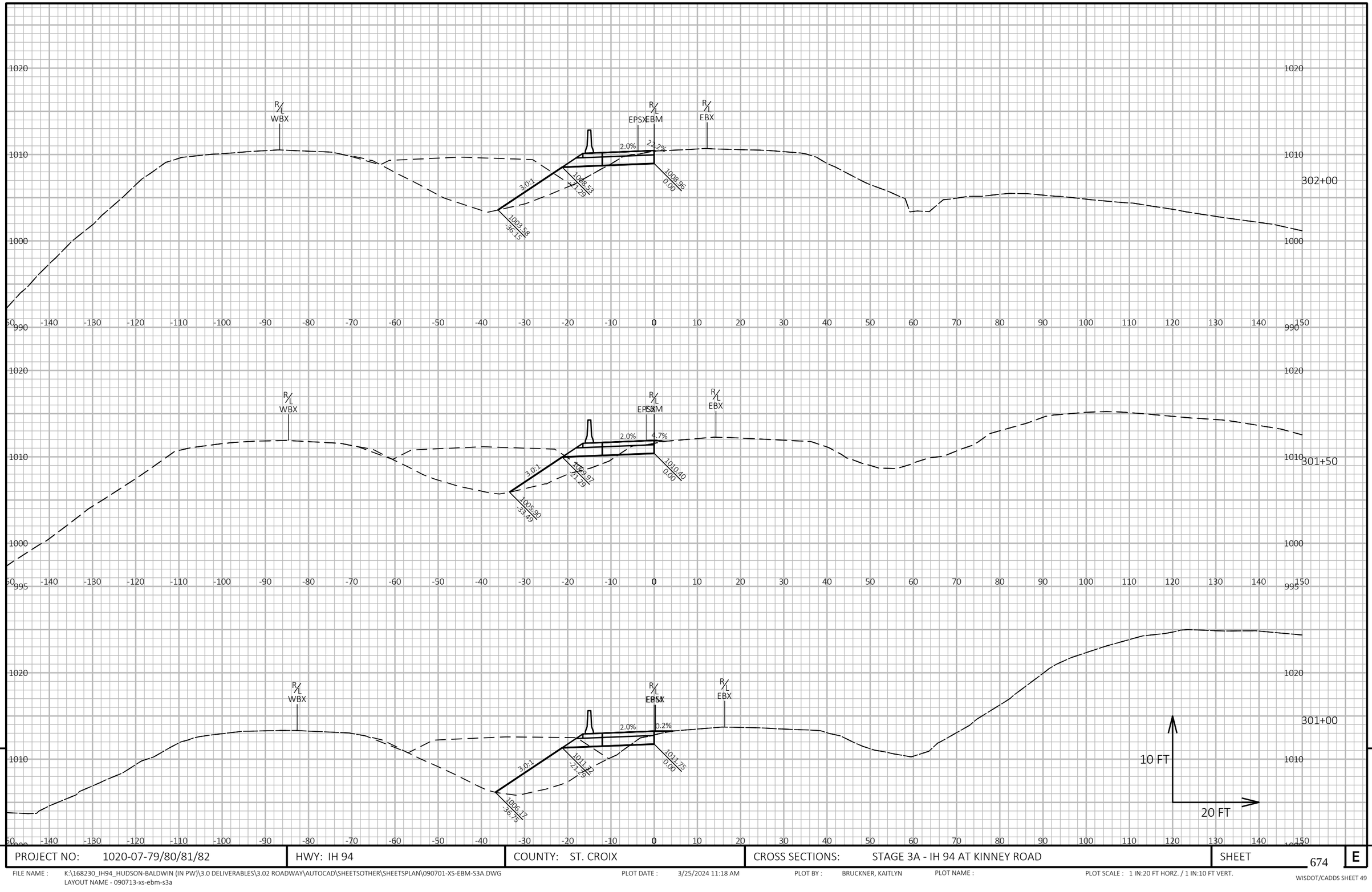


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3A - IH 94 AT KINNEY ROAD	SHEET 673	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090701-XS-EBM-S3A.DWG
LAYOUT NAME - 090712-xs-ebm-s3a

PLOT DATE : 3/25/2024 11:18 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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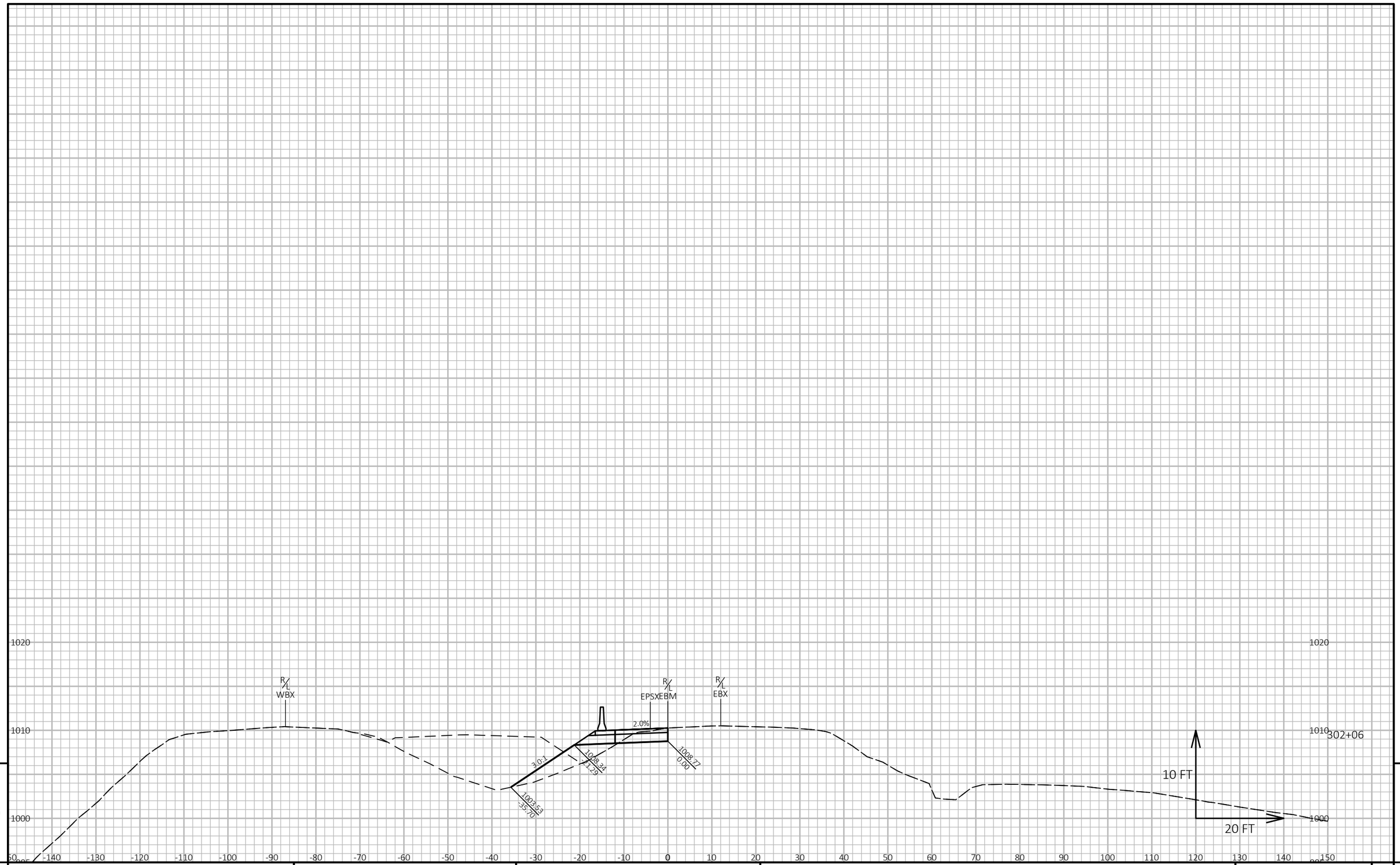
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3A - IH 94 AT KINNEY ROAD	SHEET 674	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090701-XS-EBM-S3A.DWG
LAYOUT NAME - 090713-xs-ebm-s3a

PLOT DATE : 3/25/2024 11:18 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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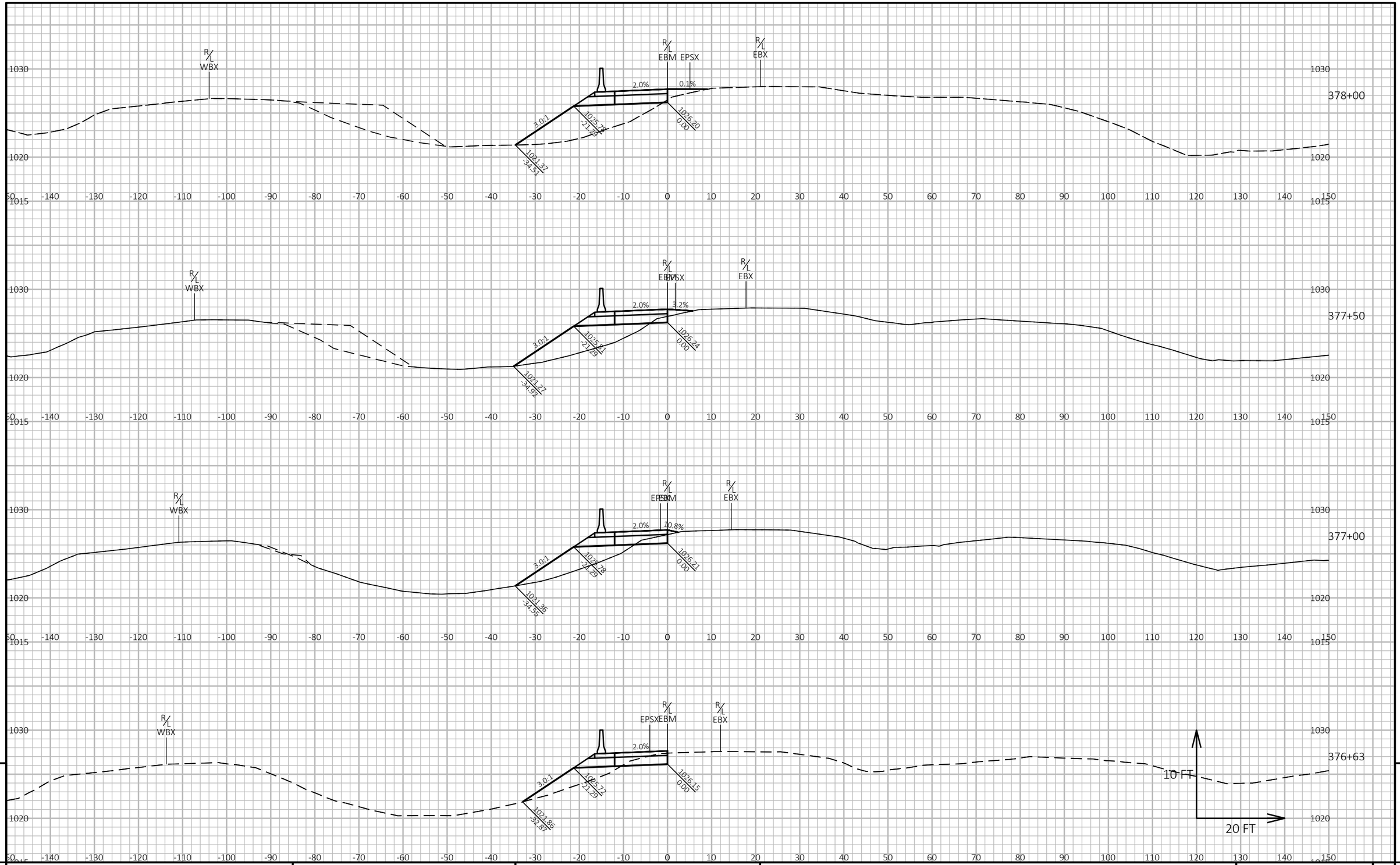
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3A - IH 94 AT KINNEY ROAD	SHEET 675	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090701-XS-EBM-S3A.DWG
LAYOUT NAME - 090714-xs-ebm-s3a

PLOT DATE : 3/25/2024 11:18 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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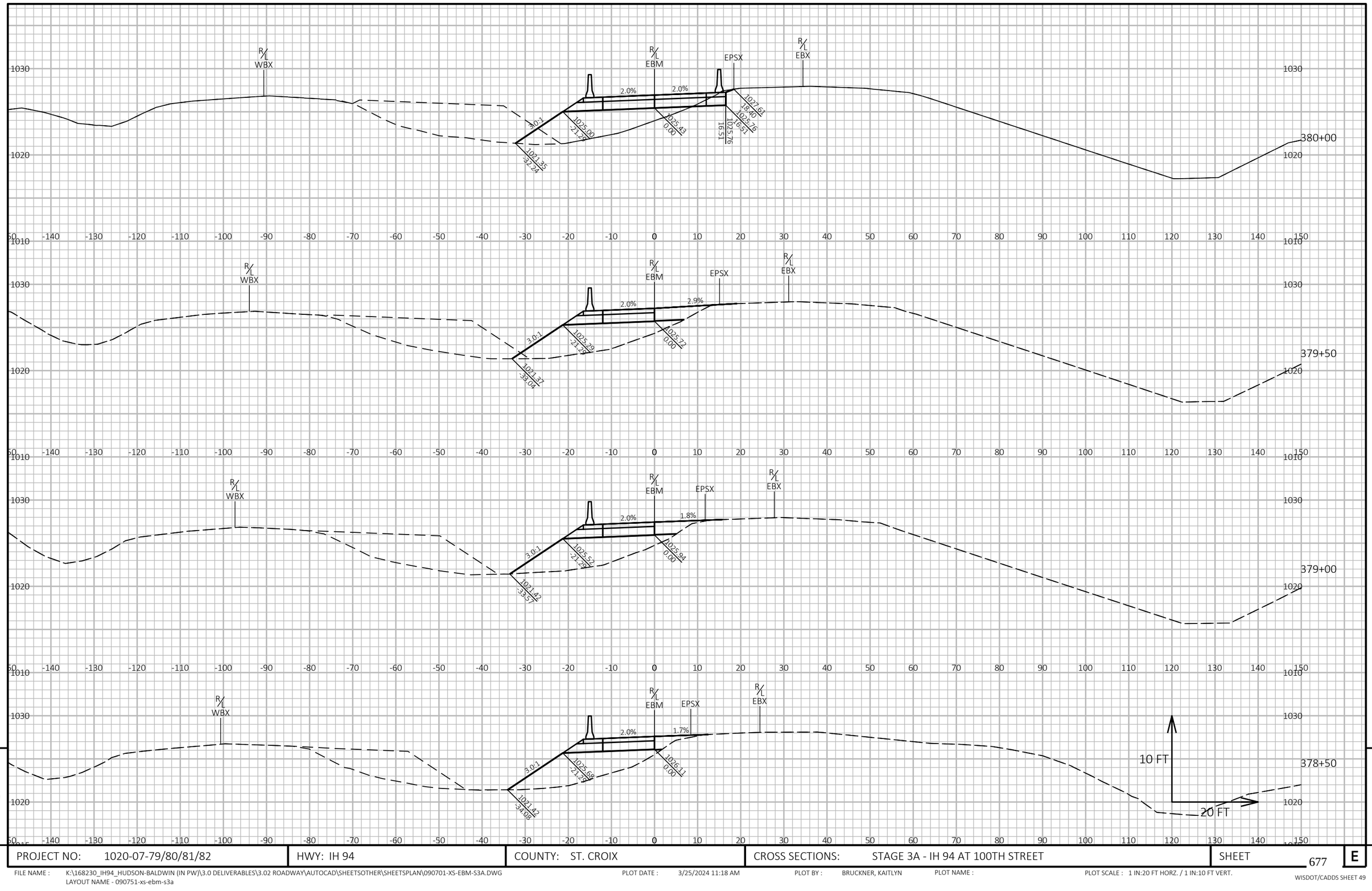
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3A - IH 94 AT 100TH STREET	SHEET 676	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090701-XS-EBM-S3A.DWG
LAYOUT NAME - 090750-xs-ebm-s3a

PLOT DATE : 3/25/2024 11:18 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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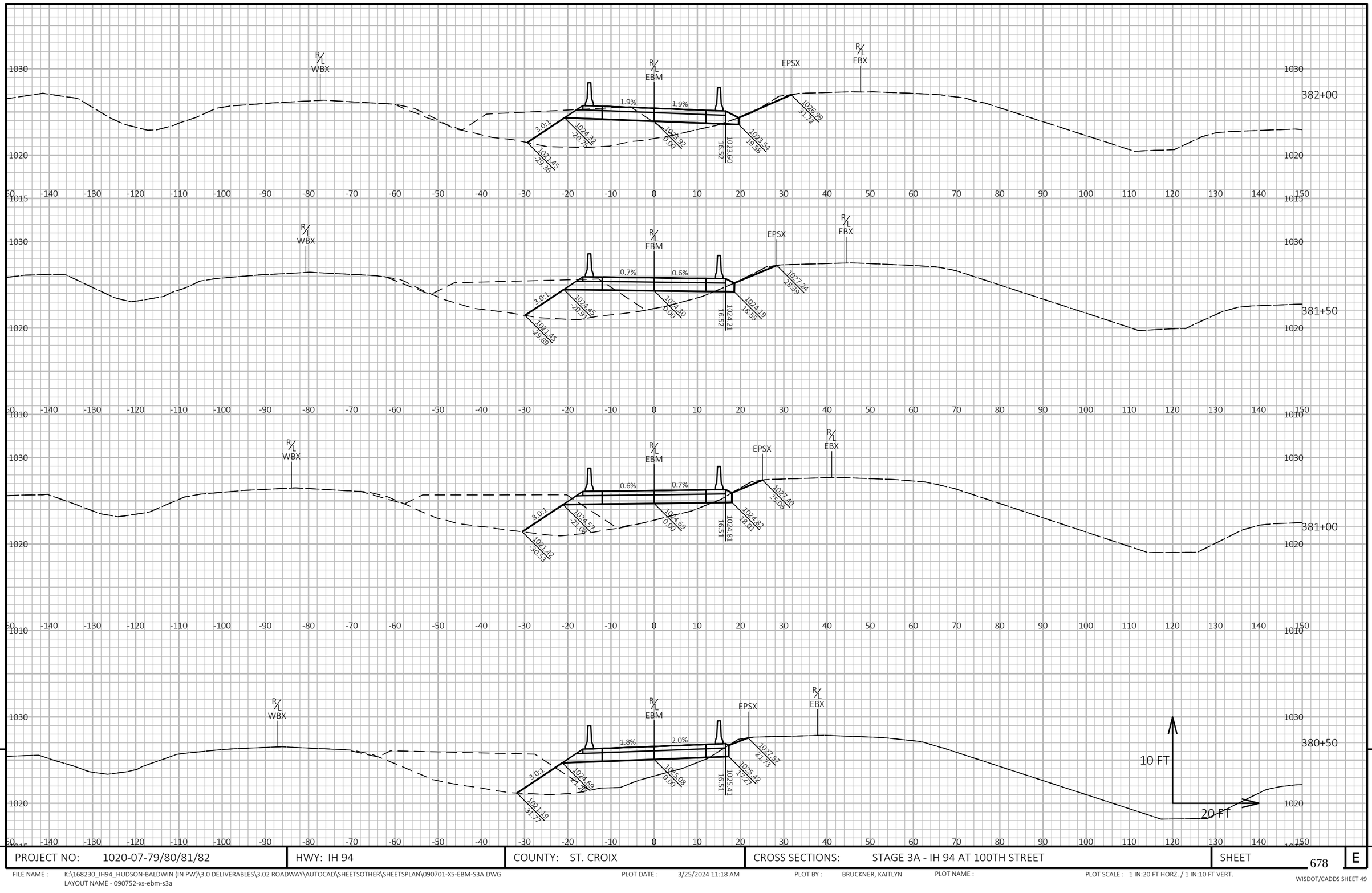
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3A - IH 94 AT 100TH STREET	SHEET 677	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090701-XS-EBM-S3A.DWG
LAYOUT NAME - 090751-xs-ebm-s3a

PLOT DATE : 3/25/2024 11:18 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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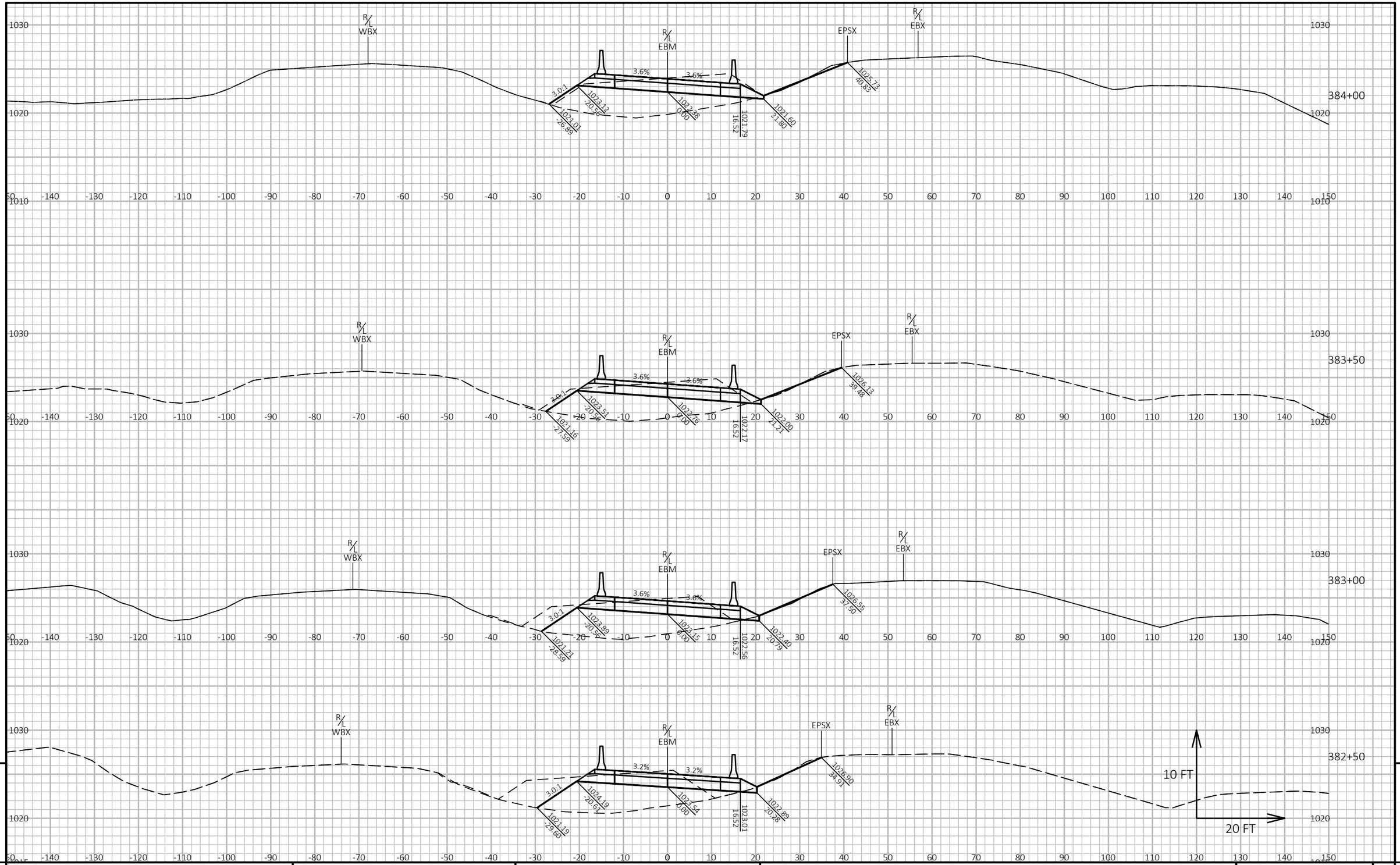
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3A - IH 94 AT 100TH STREET	SHEET 678	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090701-XS-EBM-S3A.DWG
LAYOUT NAME - 090752-xs-ebm-s3a

PLOT DATE : 3/25/2024 11:18 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3A - IH 94 AT 100TH STREET	SHEET 679	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090701-XS-EBM-S3A.DWG
LAYOUT NAME - 090753-xs-ebm-s3a

PLOT DATE : 3/25/2024 11:18 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

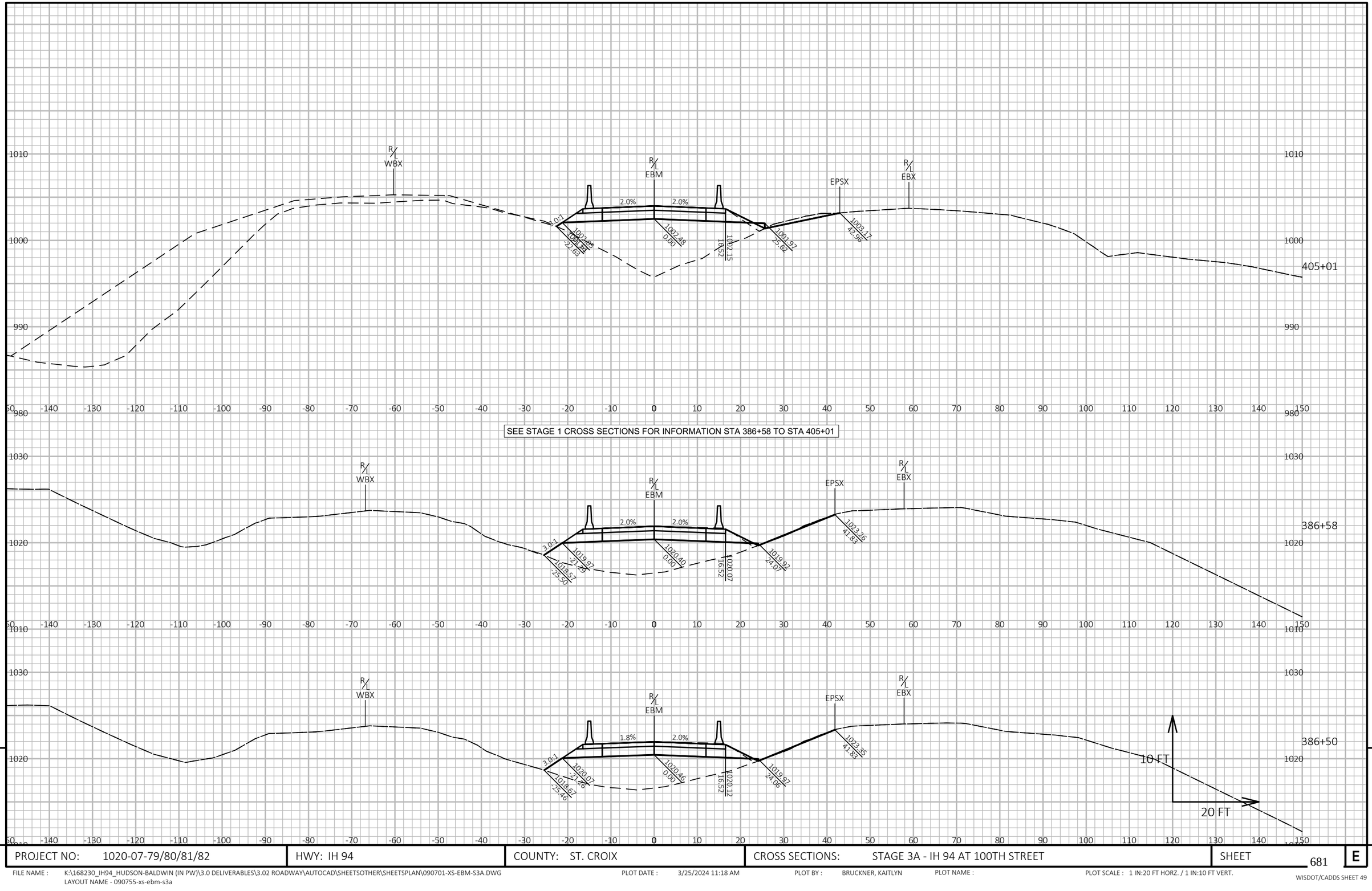
WISDOT/CADDS SHEET 49

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3A - IH 94 AT 100TH STREET	SHEET 680 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090701-XS-EBM-S3A.DWG
LAYOUT NAME - 090754-xs-ebm-s3a

PLOT DATE : 3/25/2024 11:18 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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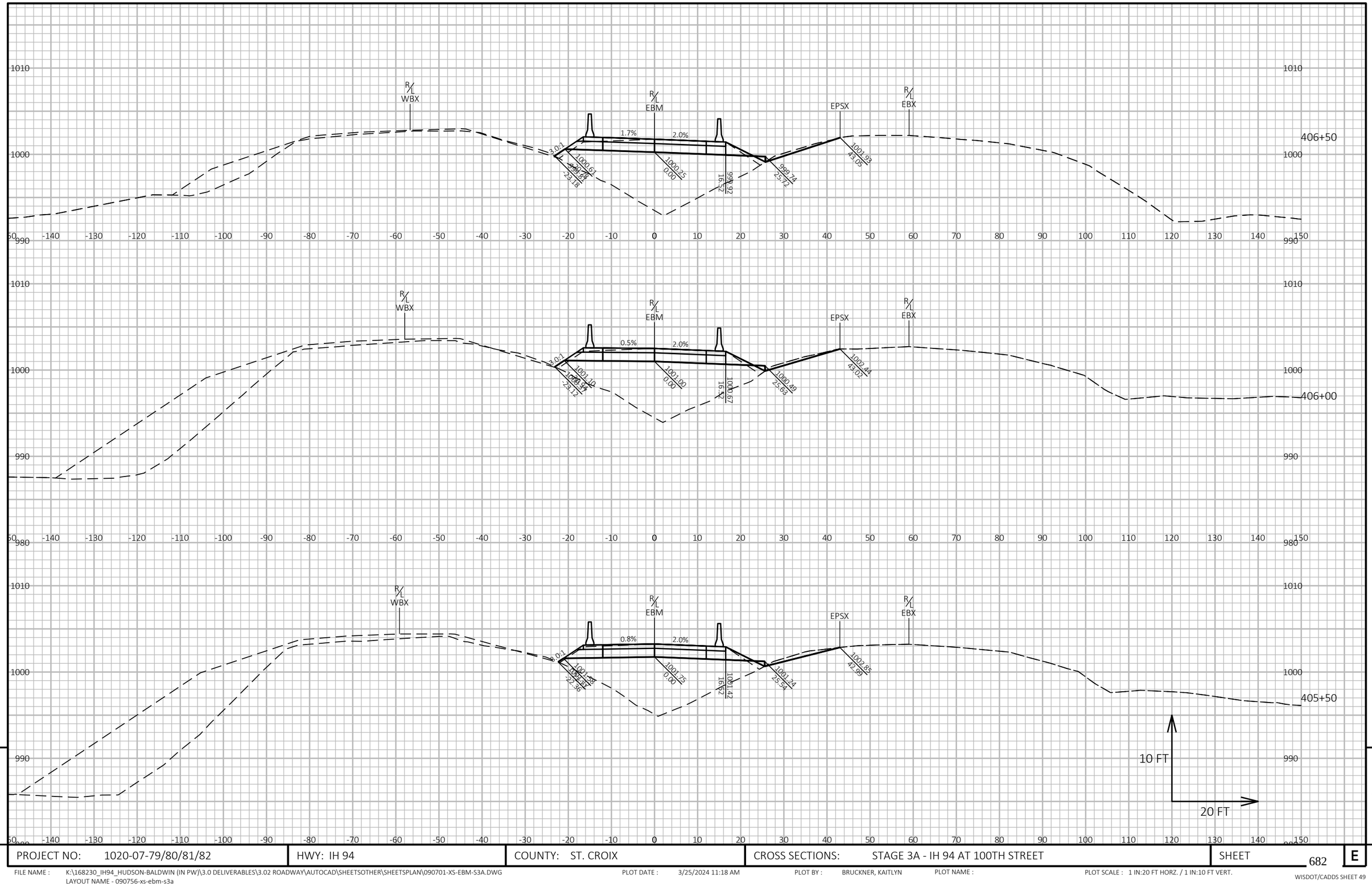
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3A - IH 94 AT 100TH STREET	SHEET 681	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090701-XS-EBM-S3A.DWG
LAYOUT NAME - 090755-xs-ebm-s3a
PLOT DATE : 3/25/2024 11:18 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

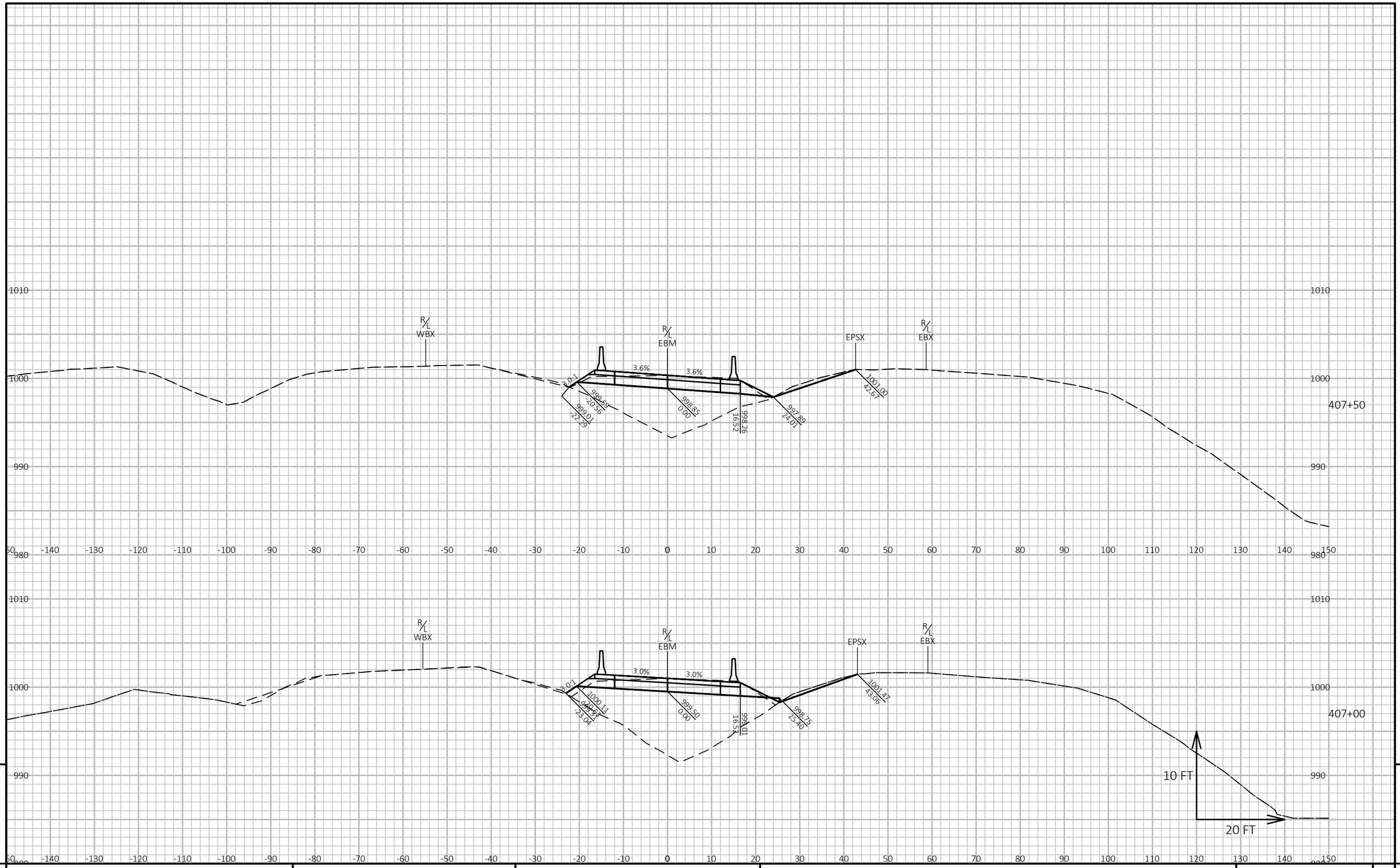


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3A - IH 94 AT 100TH STREET	SHEET 682 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090701-XS-EBM-S3A.DWG
LAYOUT NAME - 090756-xs-ebm-s3a

PLOT DATE : 3/25/2024 11:18 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

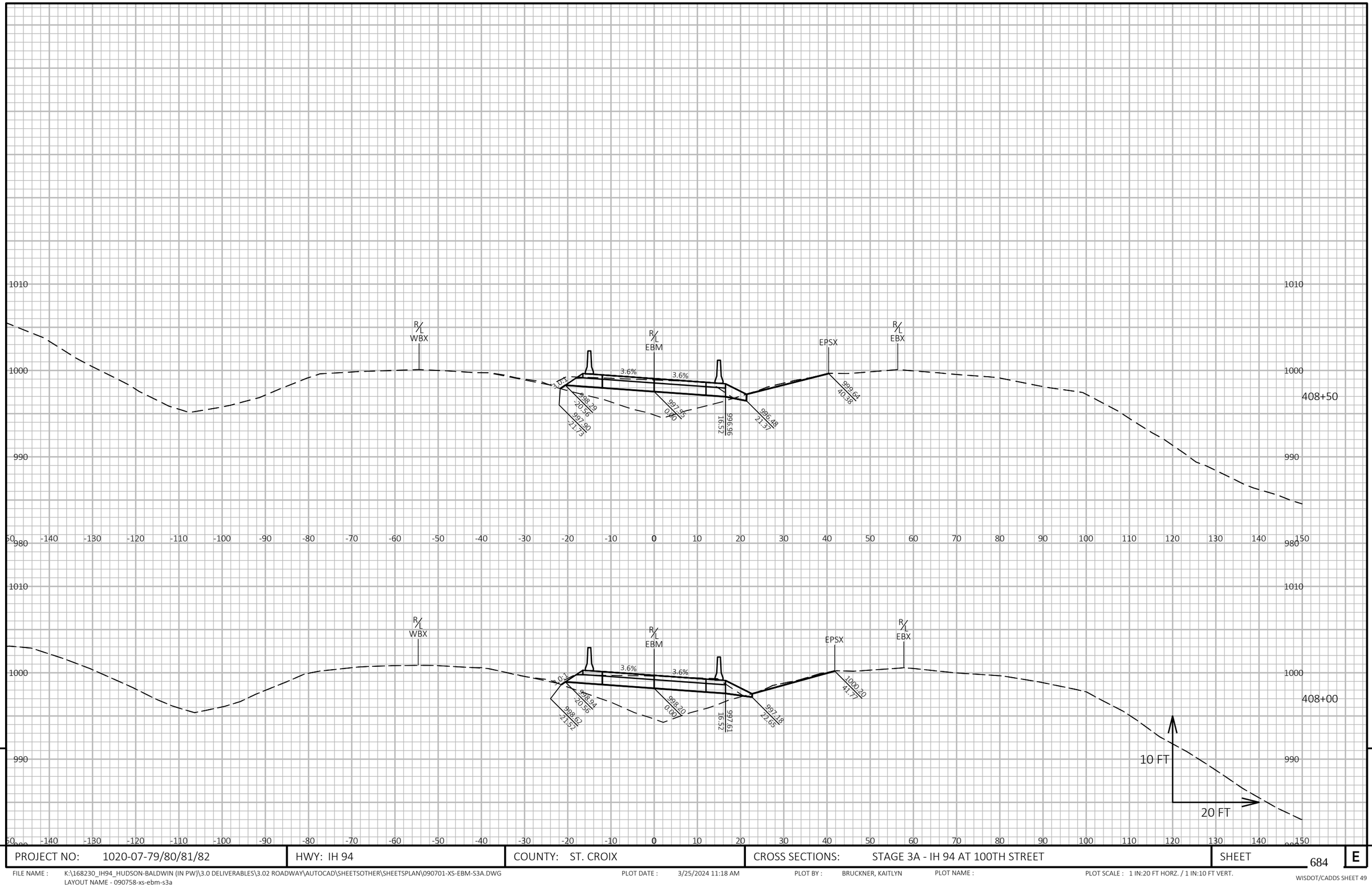


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3A - IH 94 AT 100TH STREET	SHEET 683	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090701-XS-EBM-S3A.DWG
LAYOUT NAME - 090757-xs-ebm-s3a

PLOT DATE : 3/25/2024 11:18 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

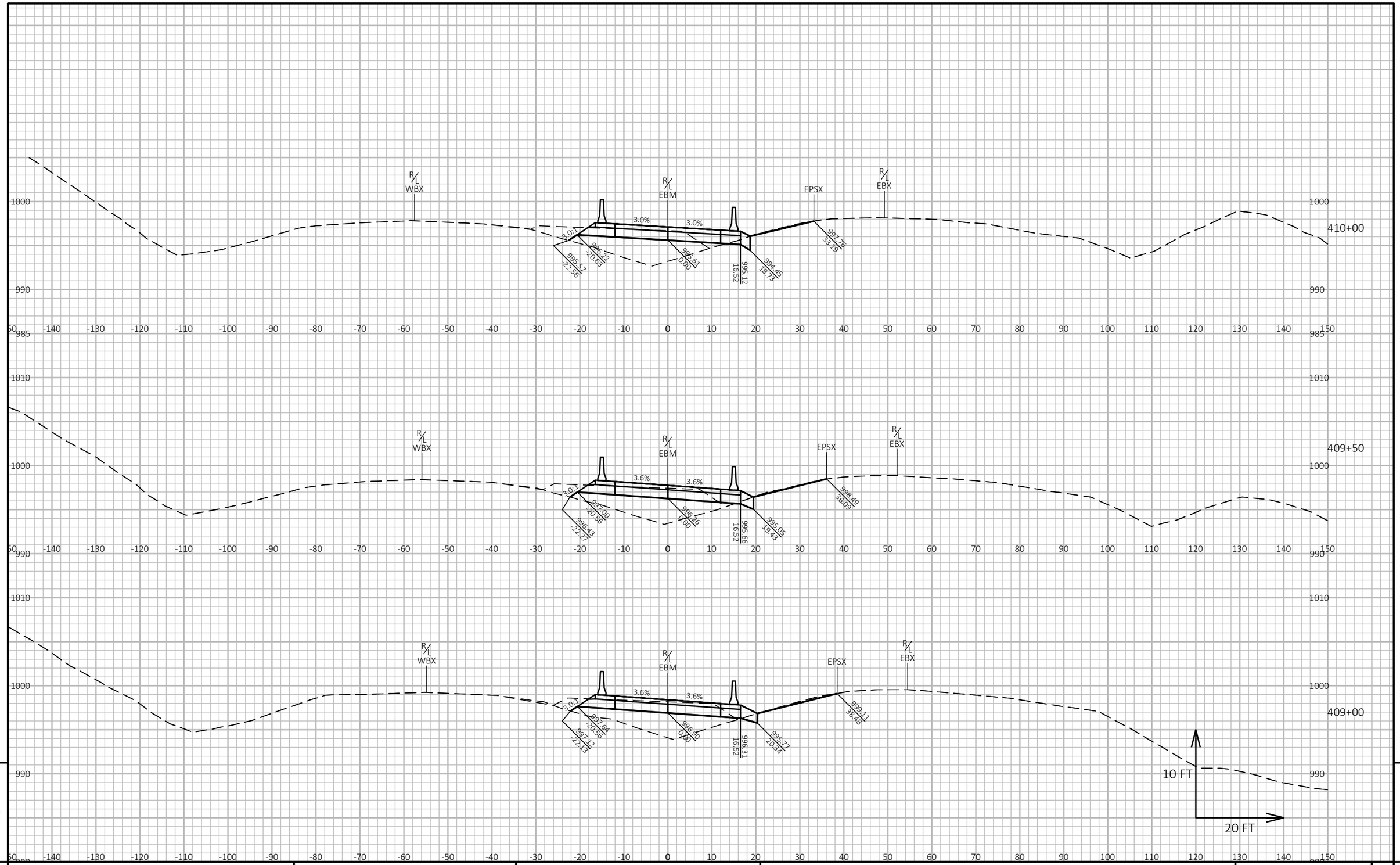


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3A - IH 94 AT 100TH STREET	SHEET 684	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090701-XS-EBM-S3A.DWG
LAYOUT NAME - 090758-xs-ebm-s3a

PLOT DATE : 3/25/2024 11:18 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

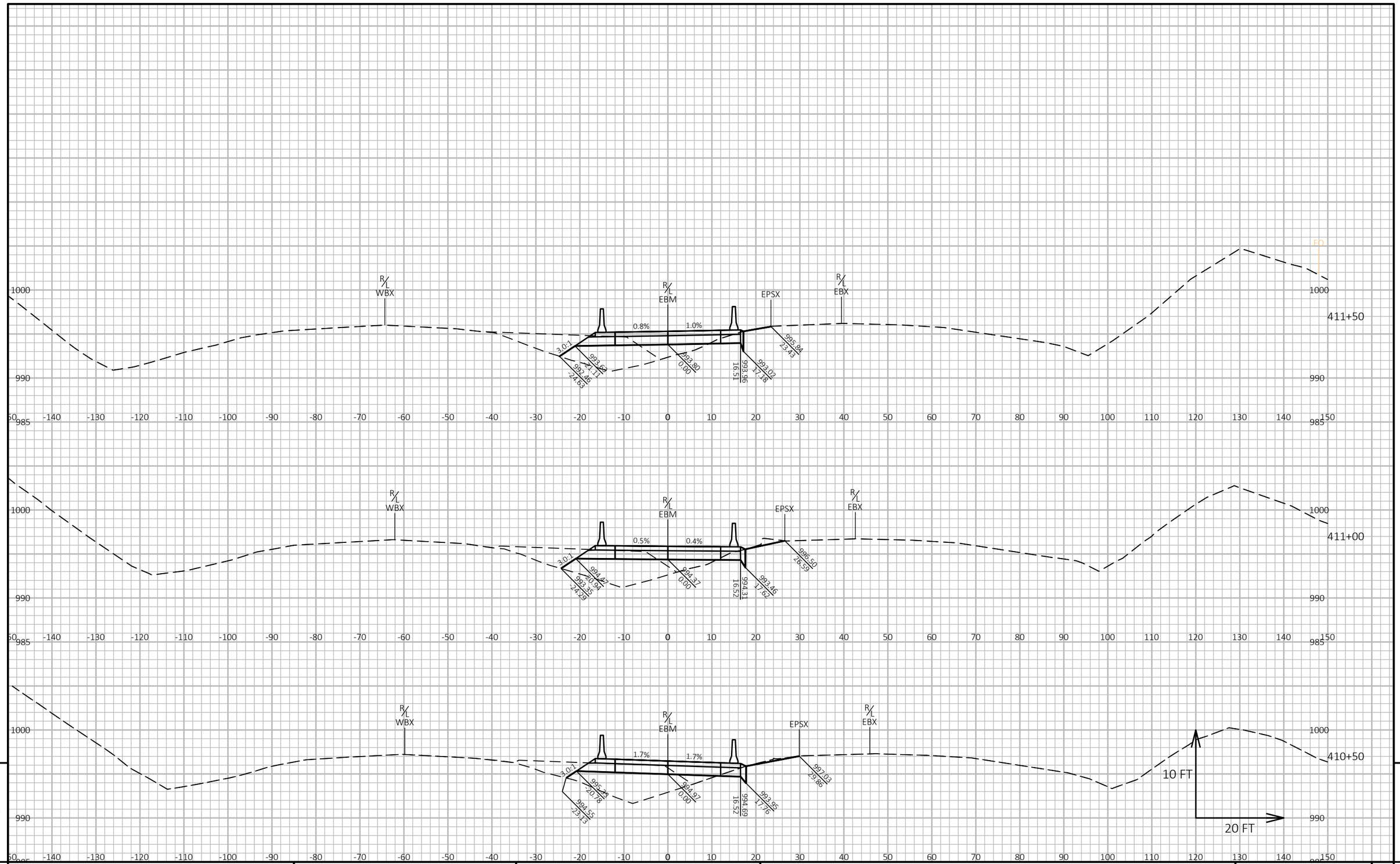


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3A - IH 94 AT 100TH STREET	SHEET 685 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090701-XS-EBM-S3A.DWG
LAYOUT NAME - 090759-xs-ebm-s3a

PLOT DATE : 3/25/2024 11:19 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3A - IH 94 AT 100TH STREET	SHEET 686	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090701-XS-EBM-S3A.DWG
LAYOUT NAME - 090760-xs-ebm-s3a

PLOT DATE : 3/25/2024 11:19 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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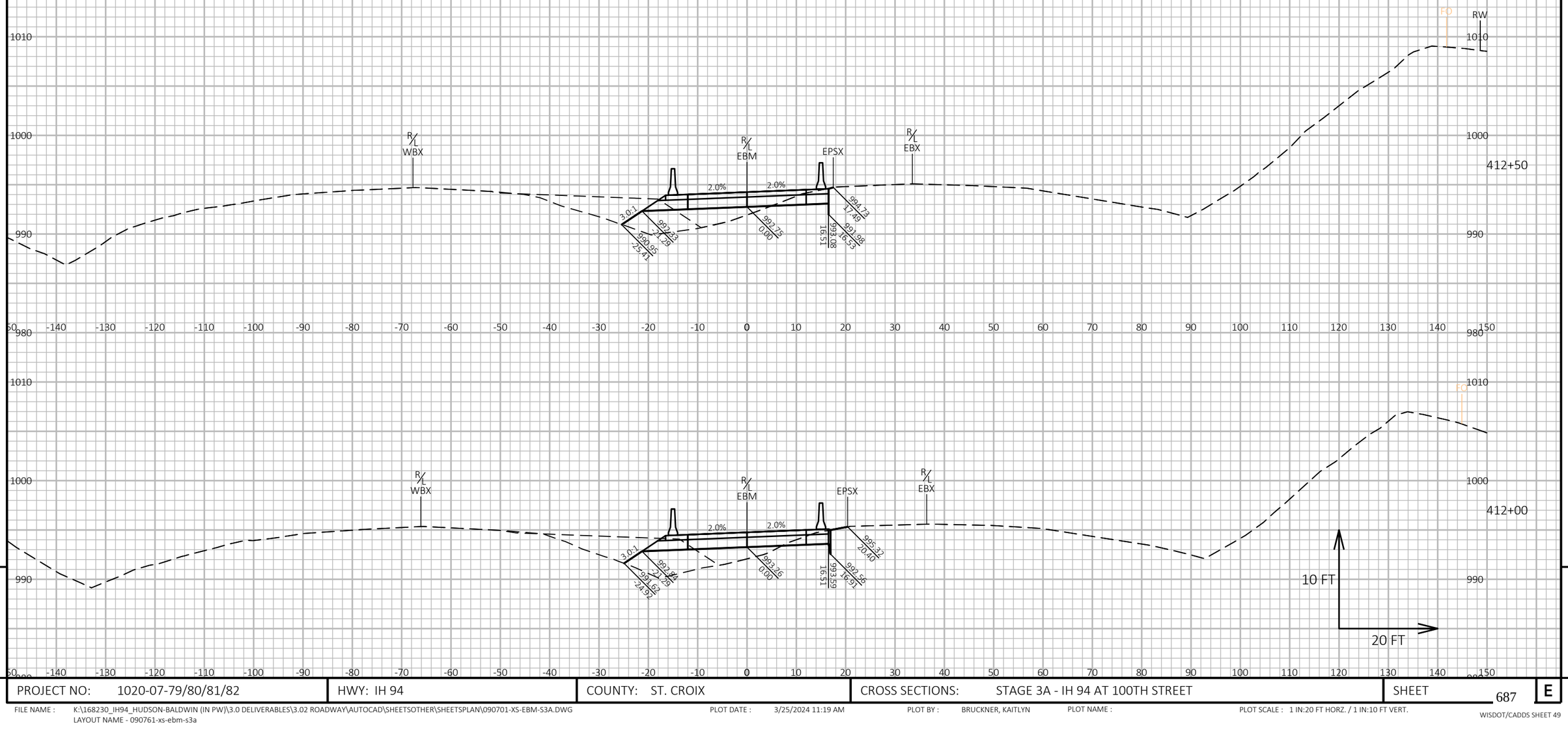
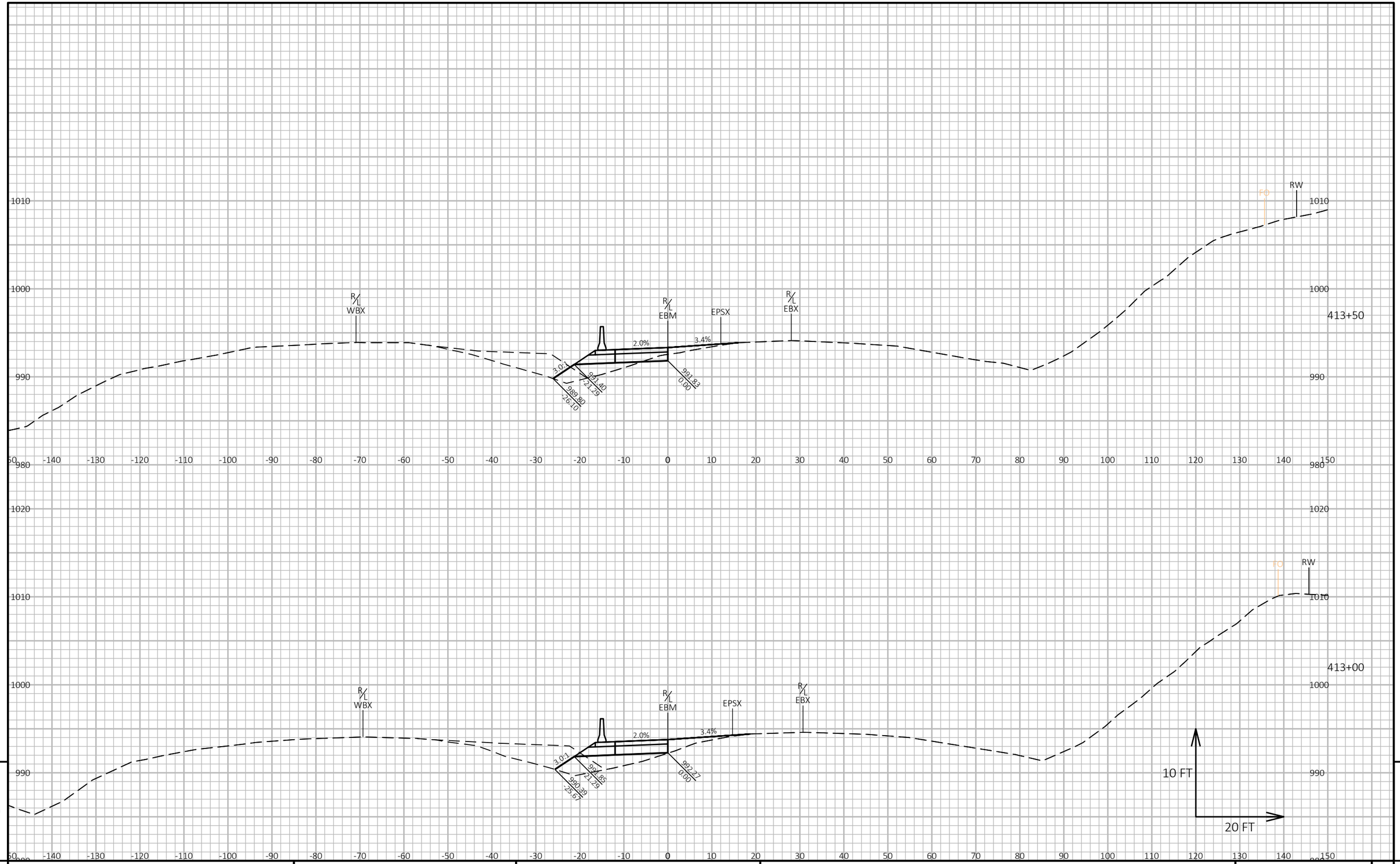


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3A - IH 94 AT 100TH STREET	SHEET 687	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090701-XS-EBM-S3A.DWG
LAYOUT NAME - 090761-xs-ebm-s3a

PLOT DATE : 3/25/2024 11:19 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

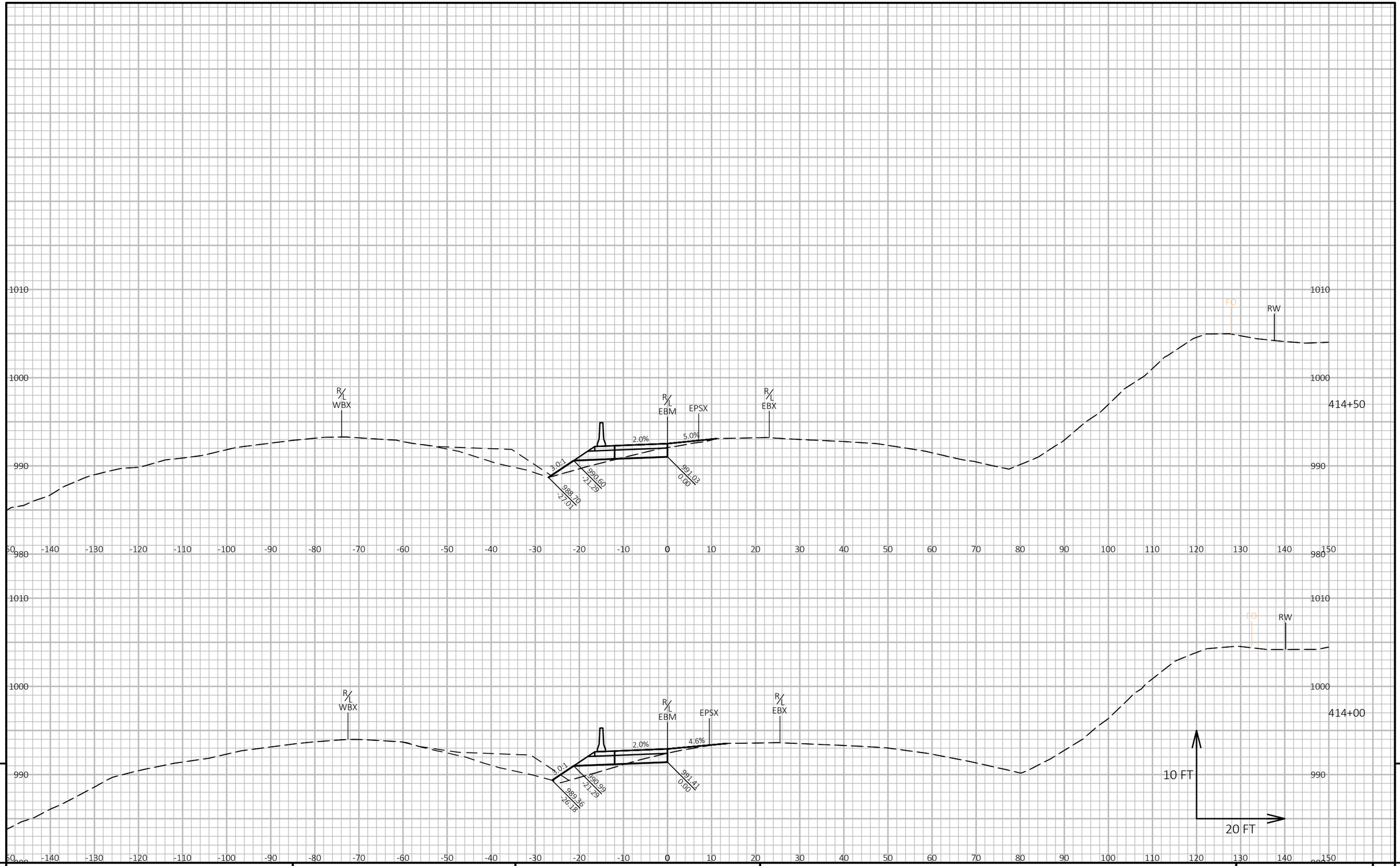


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3A - IH 94 AT 100TH STREET	SHEET 688	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090701-XS-EBM-S3A.DWG
LAYOUT NAME - 090762-xs-ebm-s3a

PLOT DATE : 3/25/2024 11:19 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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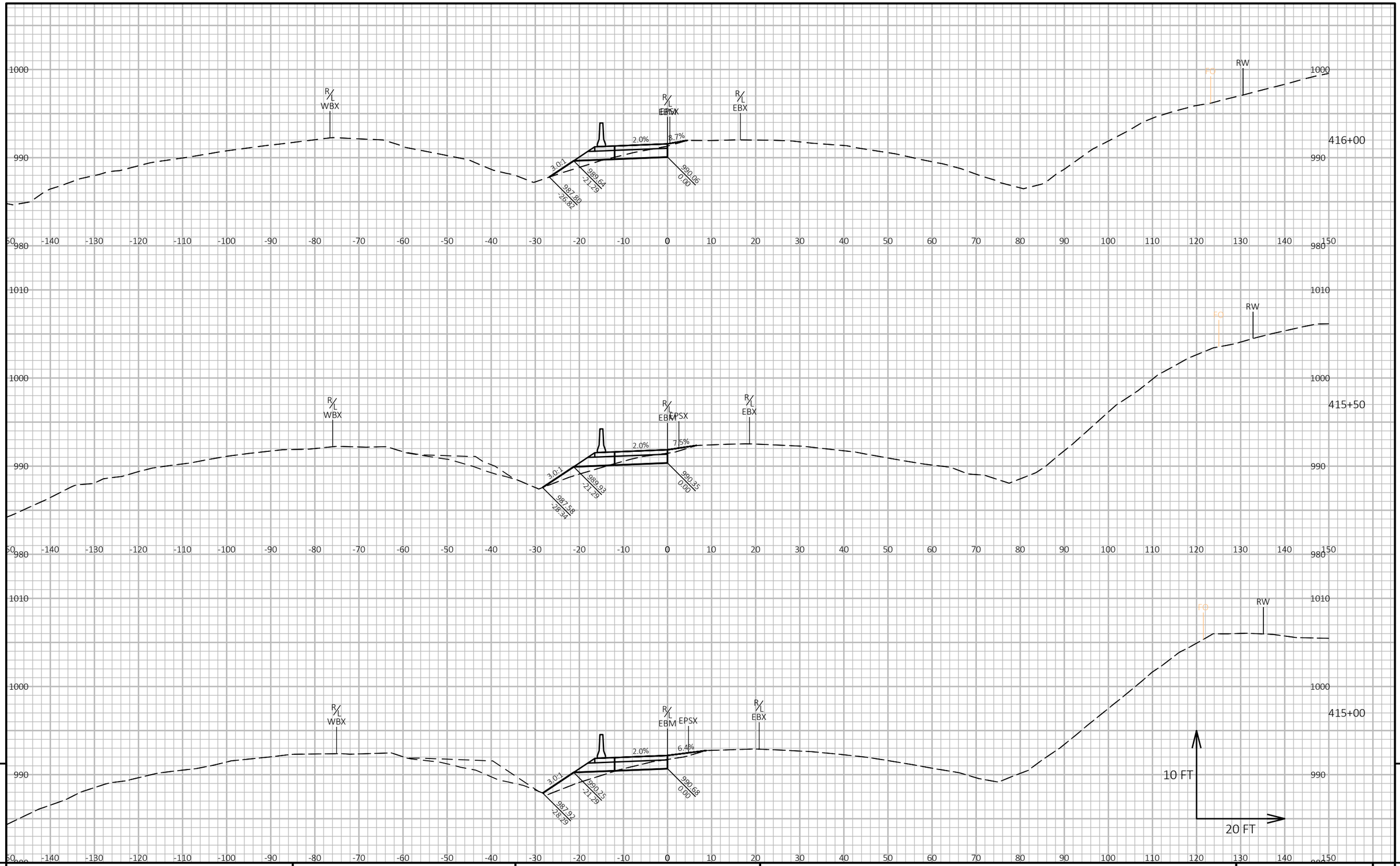
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3A - IH 94 AT 100TH STREET	SHEET 689	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090701-XS-EBM-S3A.DWG
LAYOUT NAME - 090763-xs-ebm-s3a

PLOT DATE : 3/25/2024 11:19 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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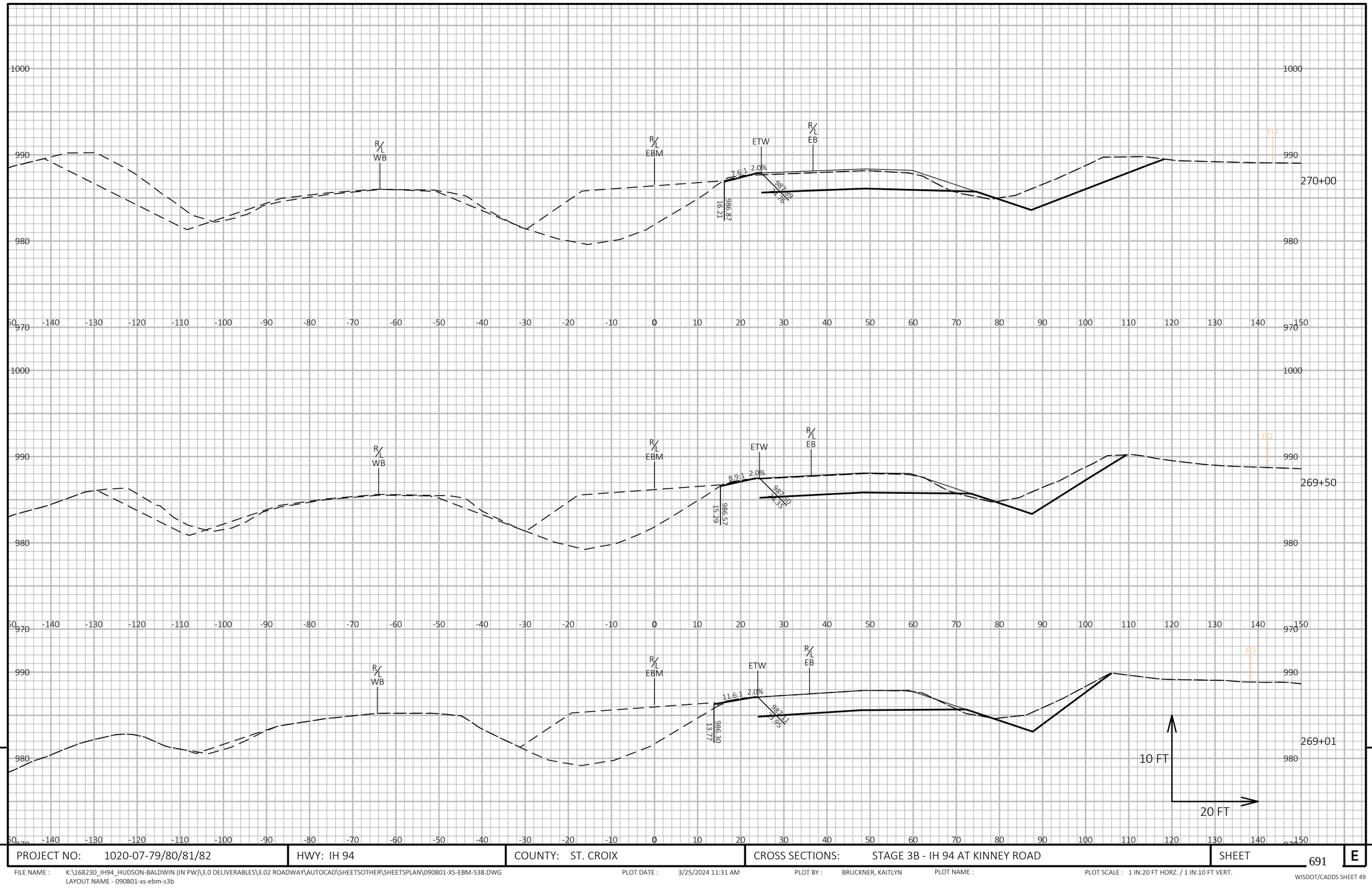
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3A - IH 94 AT 100TH STREET	SHEET 690	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090701-XS-EBM-S3A.DWG
LAYOUT NAME - 090764-xs-ebm-s3a

PLOT DATE : 3/25/2024 11:19 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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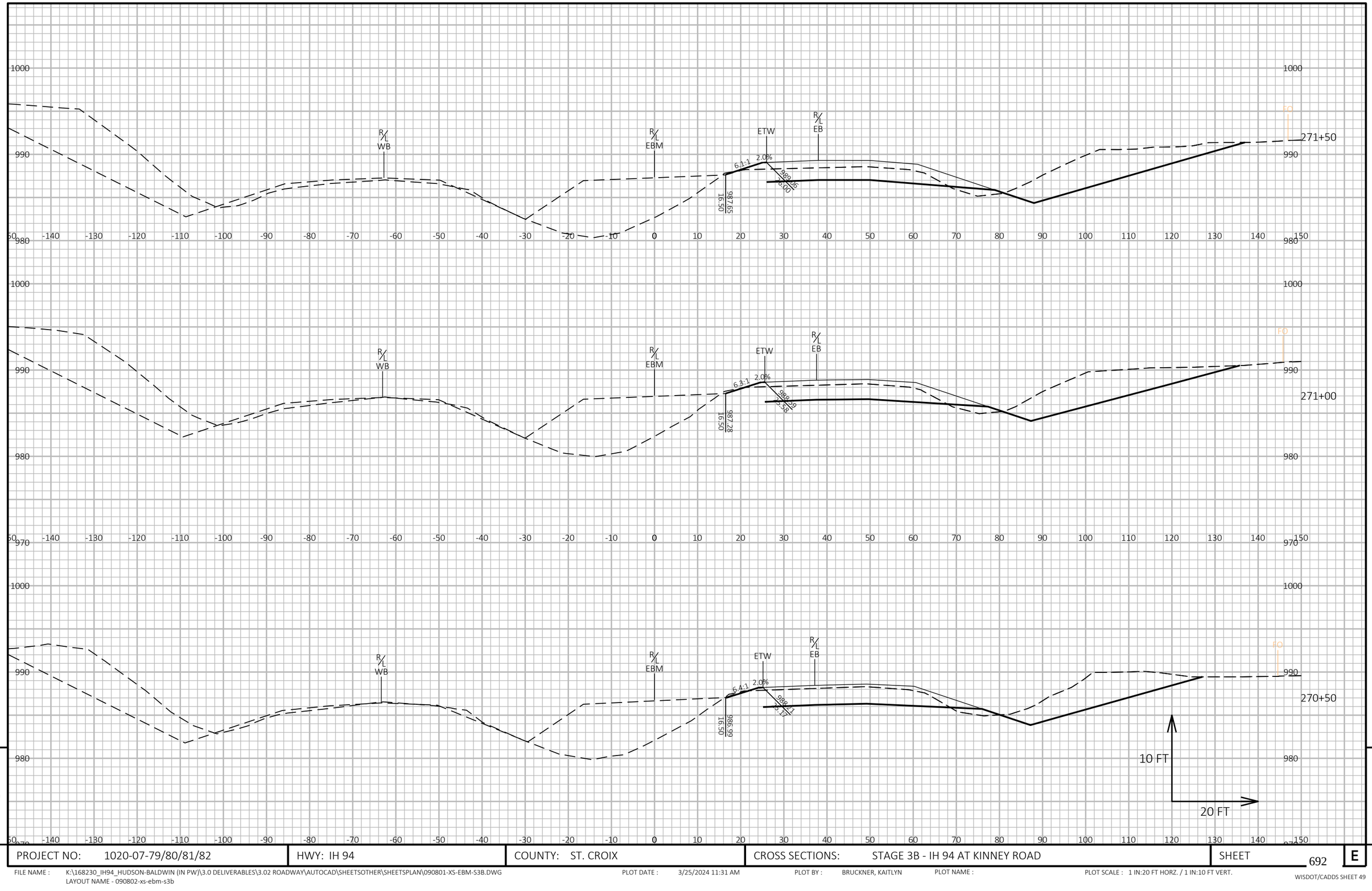
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT KINNEY ROAD	SHEET 691	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090801-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:31 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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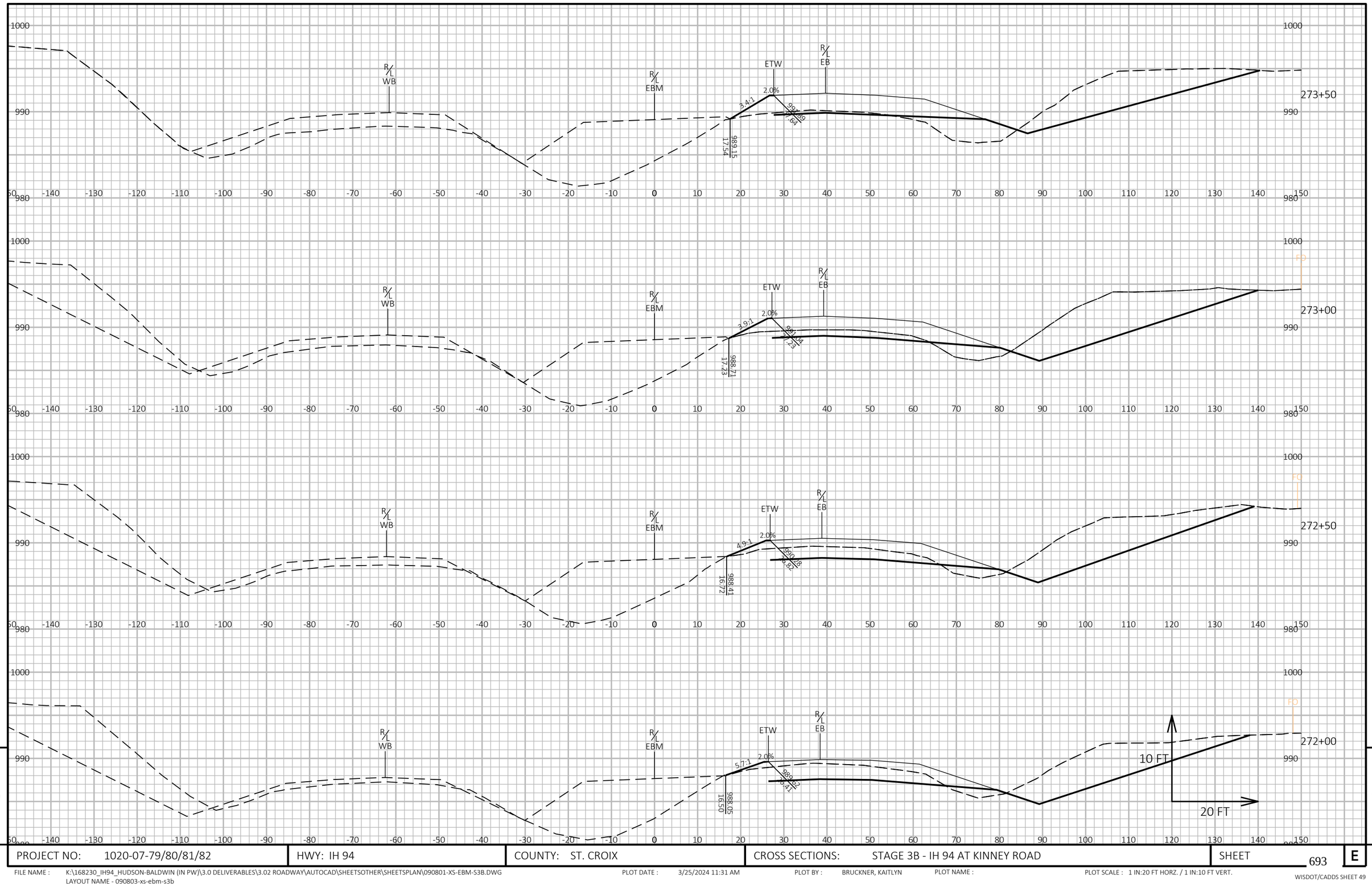
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT KINNEY ROAD	SHEET 692	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090802-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:31 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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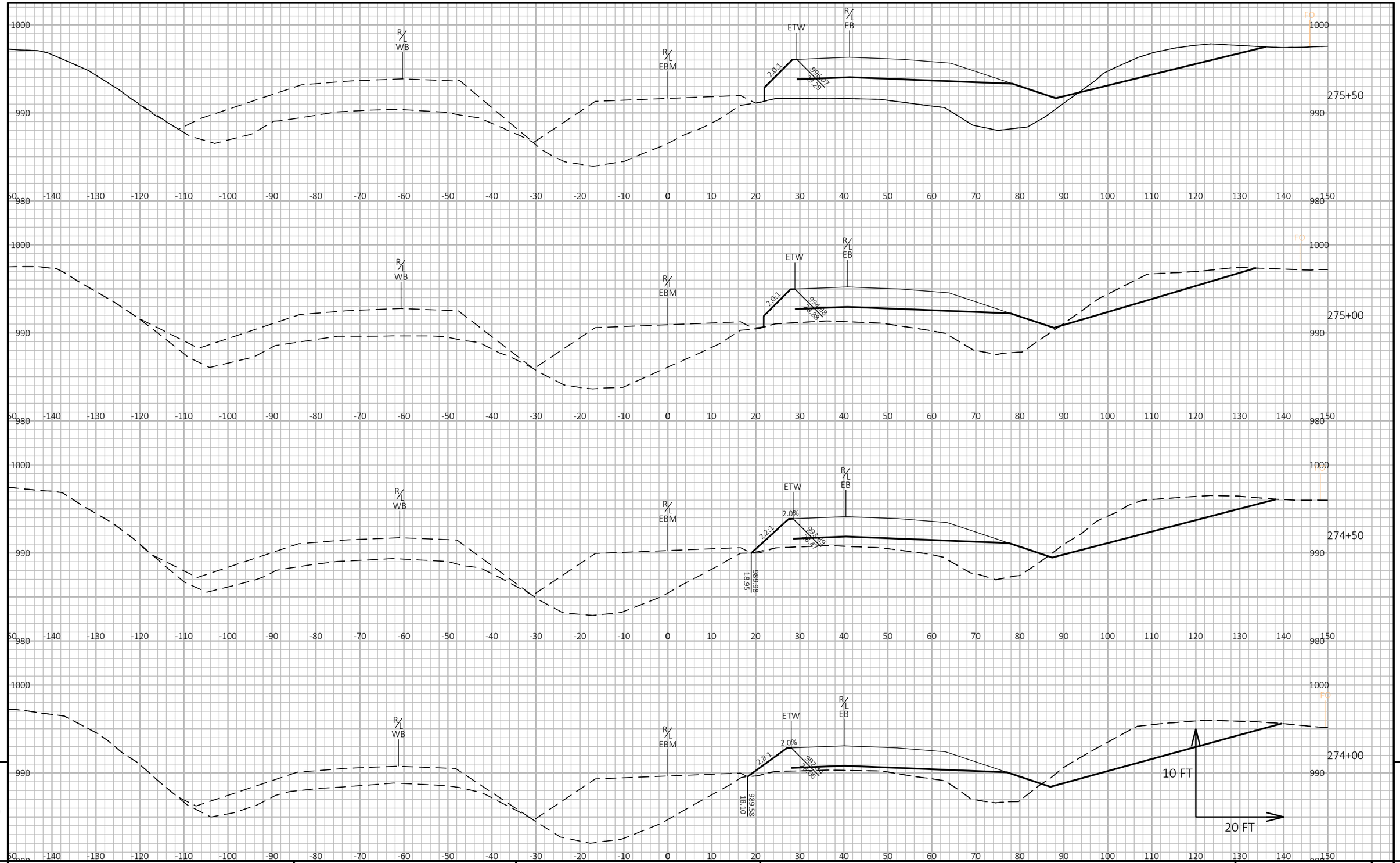
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT KINNEY ROAD	SHEET 693	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090803-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:31 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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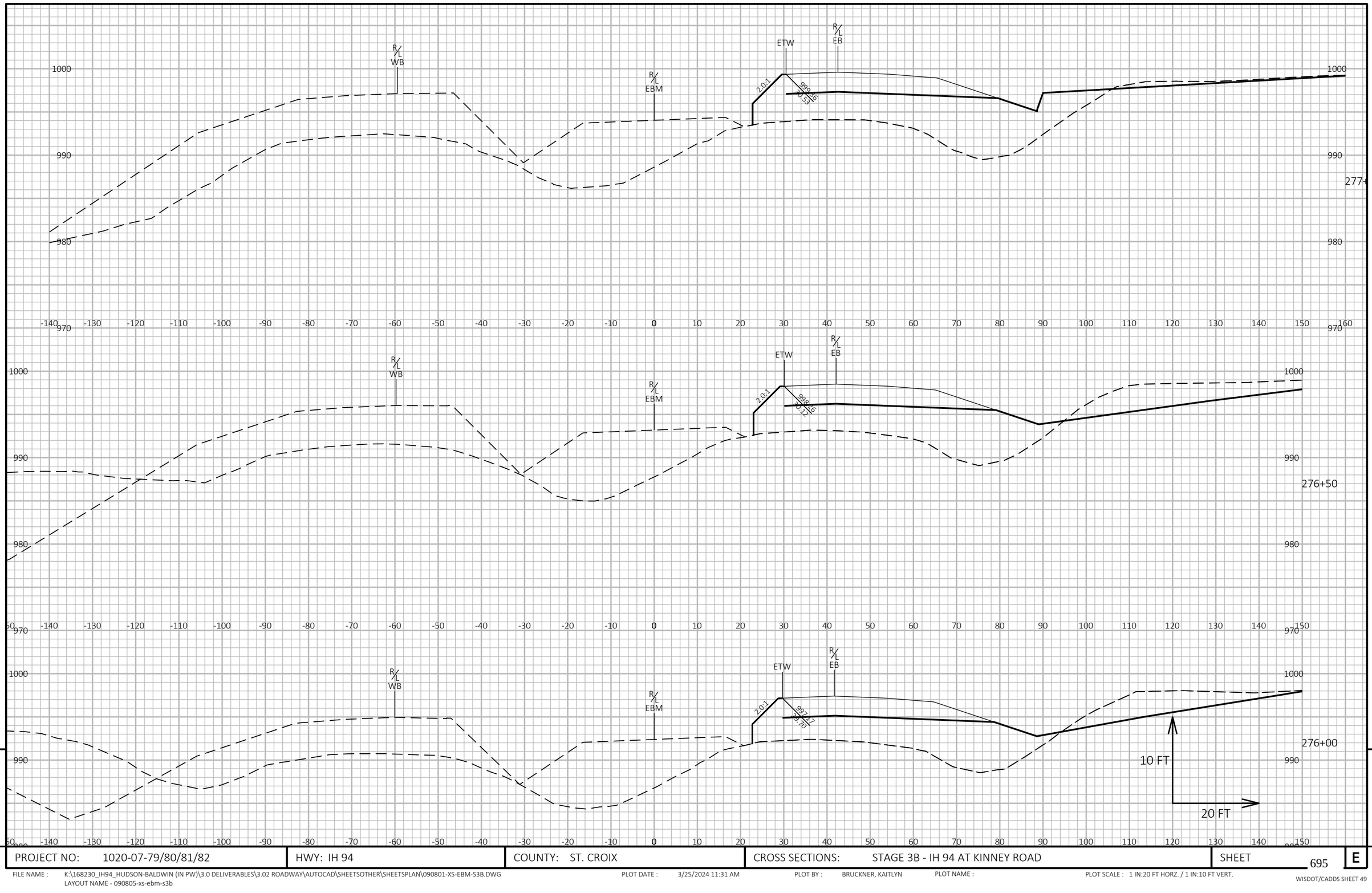
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT KINNEY ROAD	SHEET 694	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090804-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:31 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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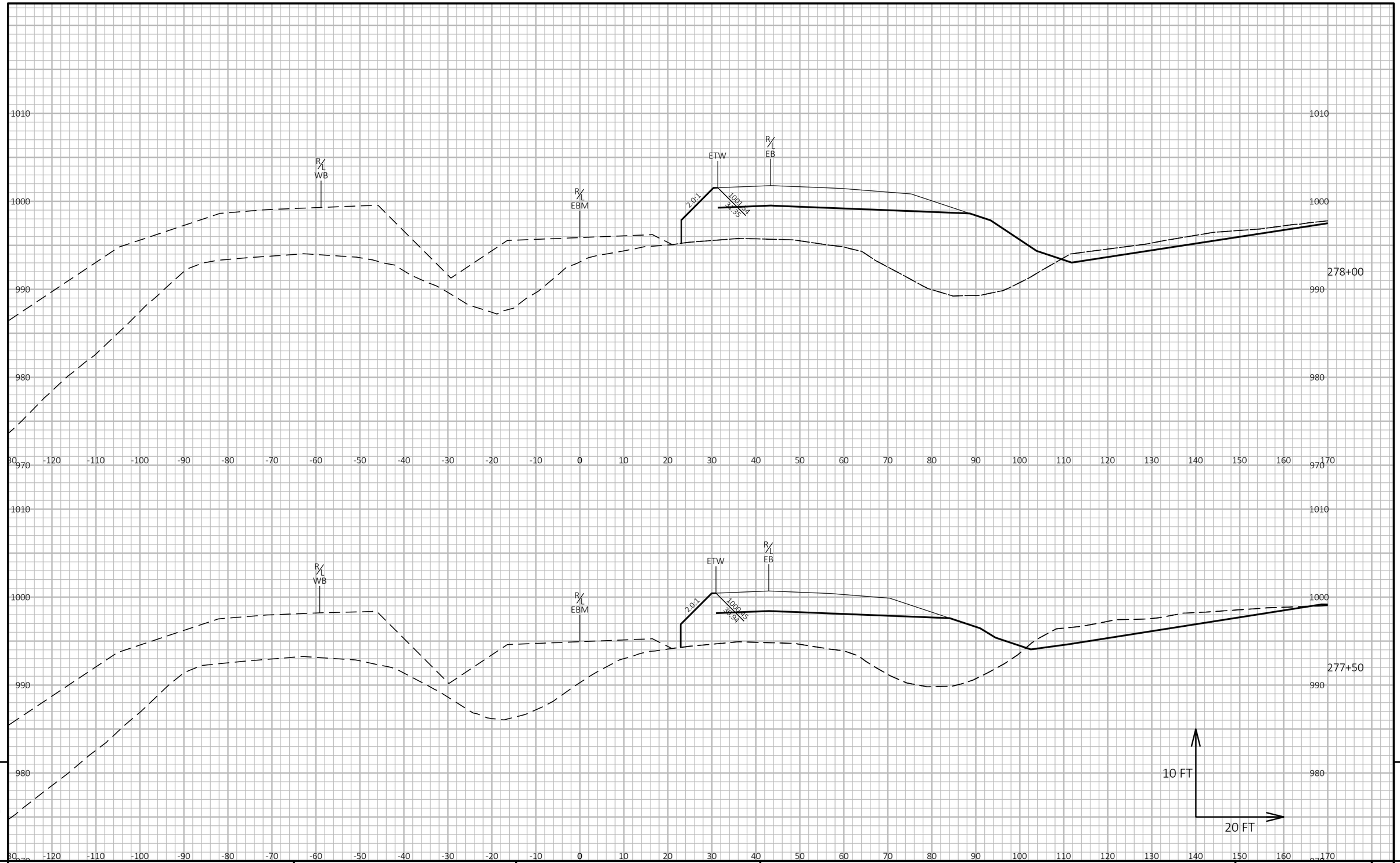
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT KINNEY ROAD	SHEET 695	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090805-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:31 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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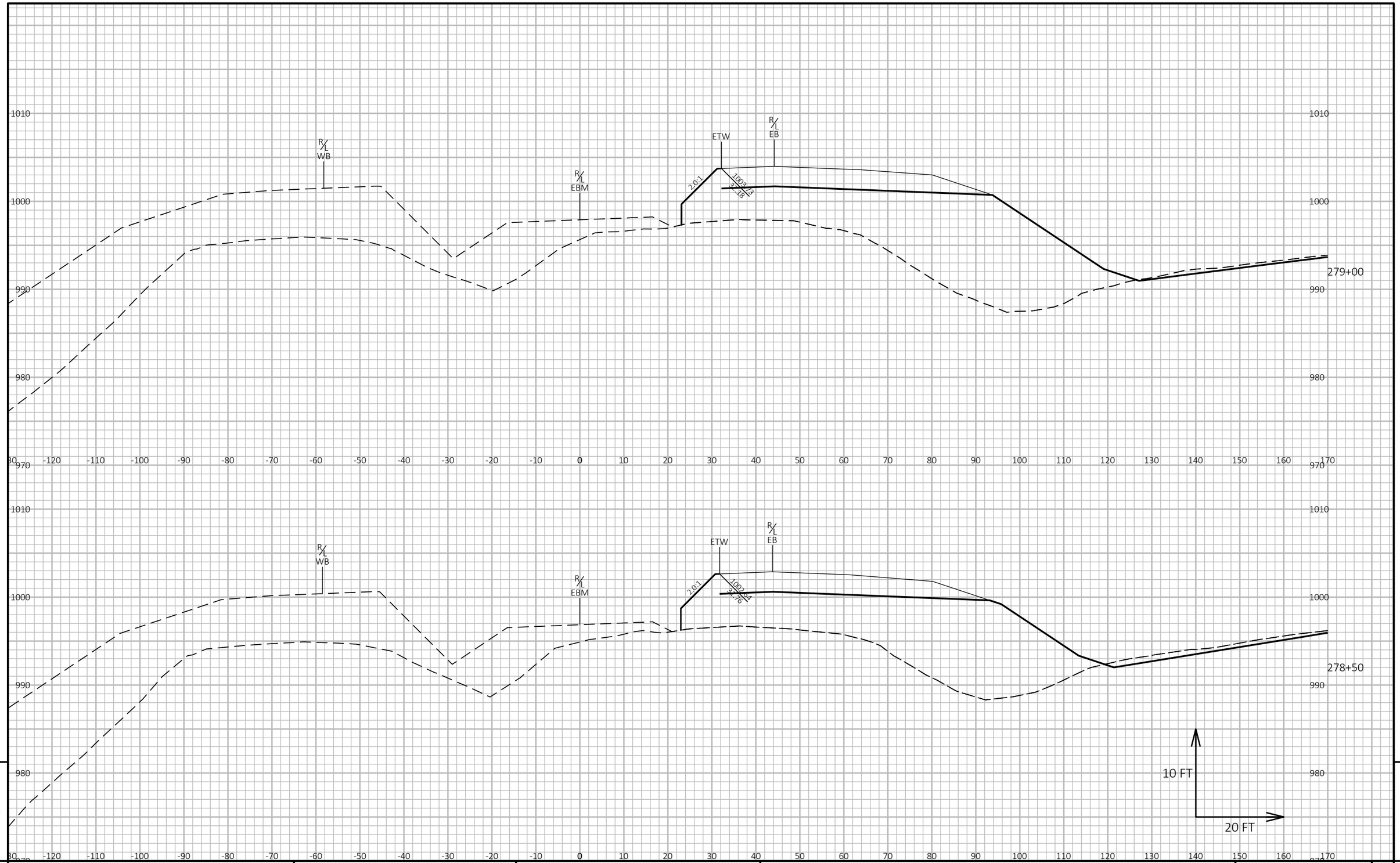
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT KINNEY ROAD	SHEET 696	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090806-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:31 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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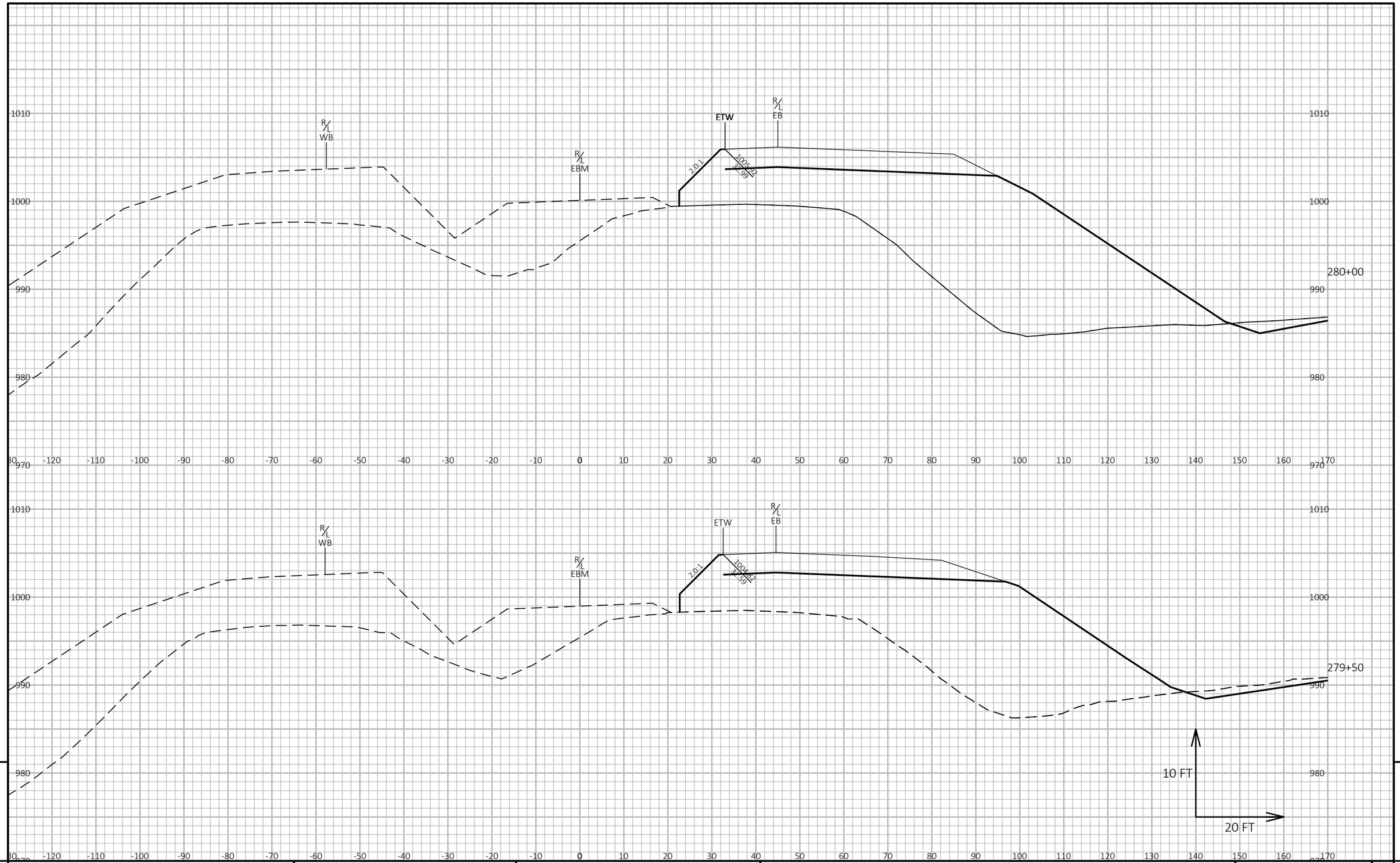
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT KINNEY ROAD	SHEET 697	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090807-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:31 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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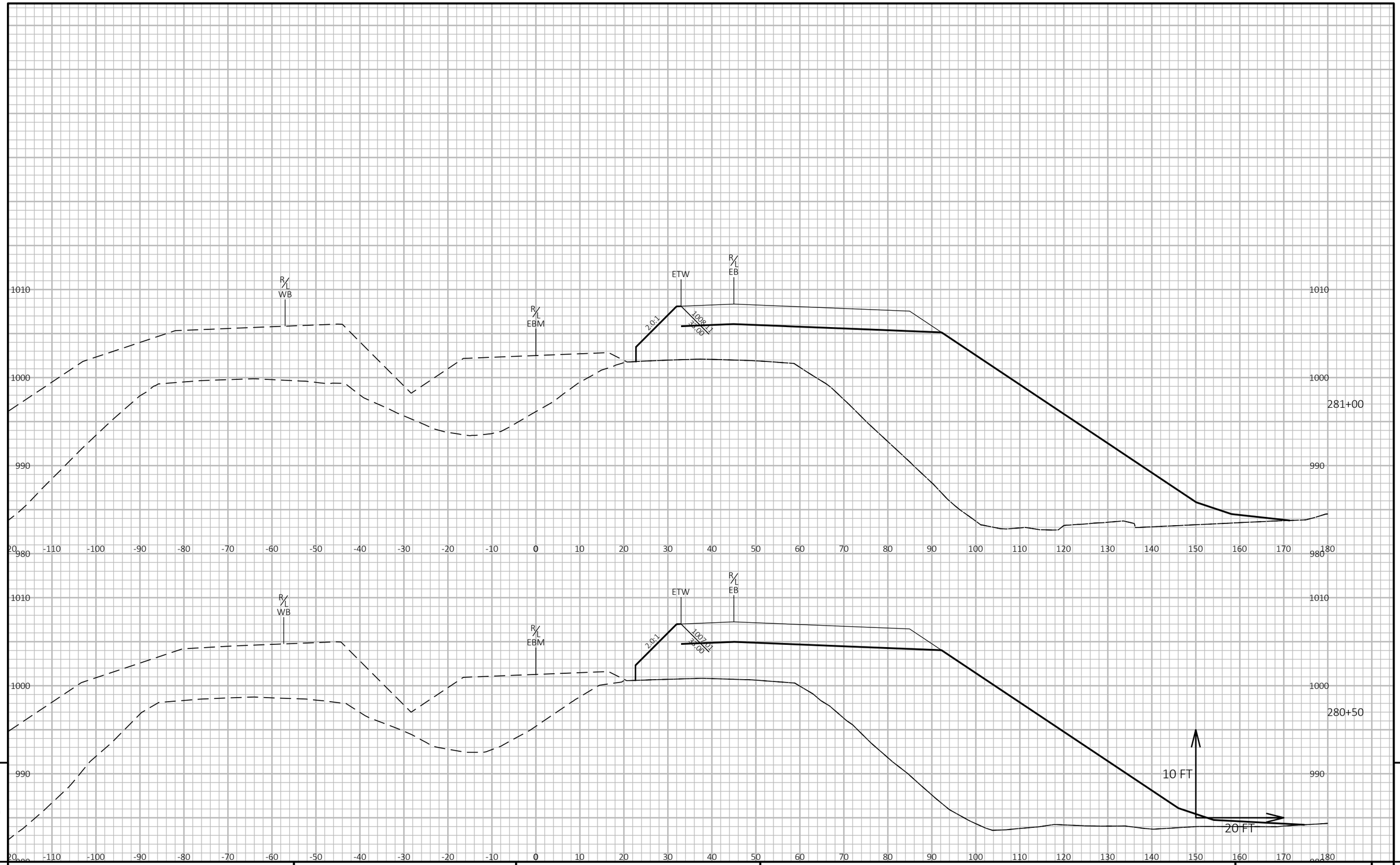
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT KINNEY ROAD	SHEET 698	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090808-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:32 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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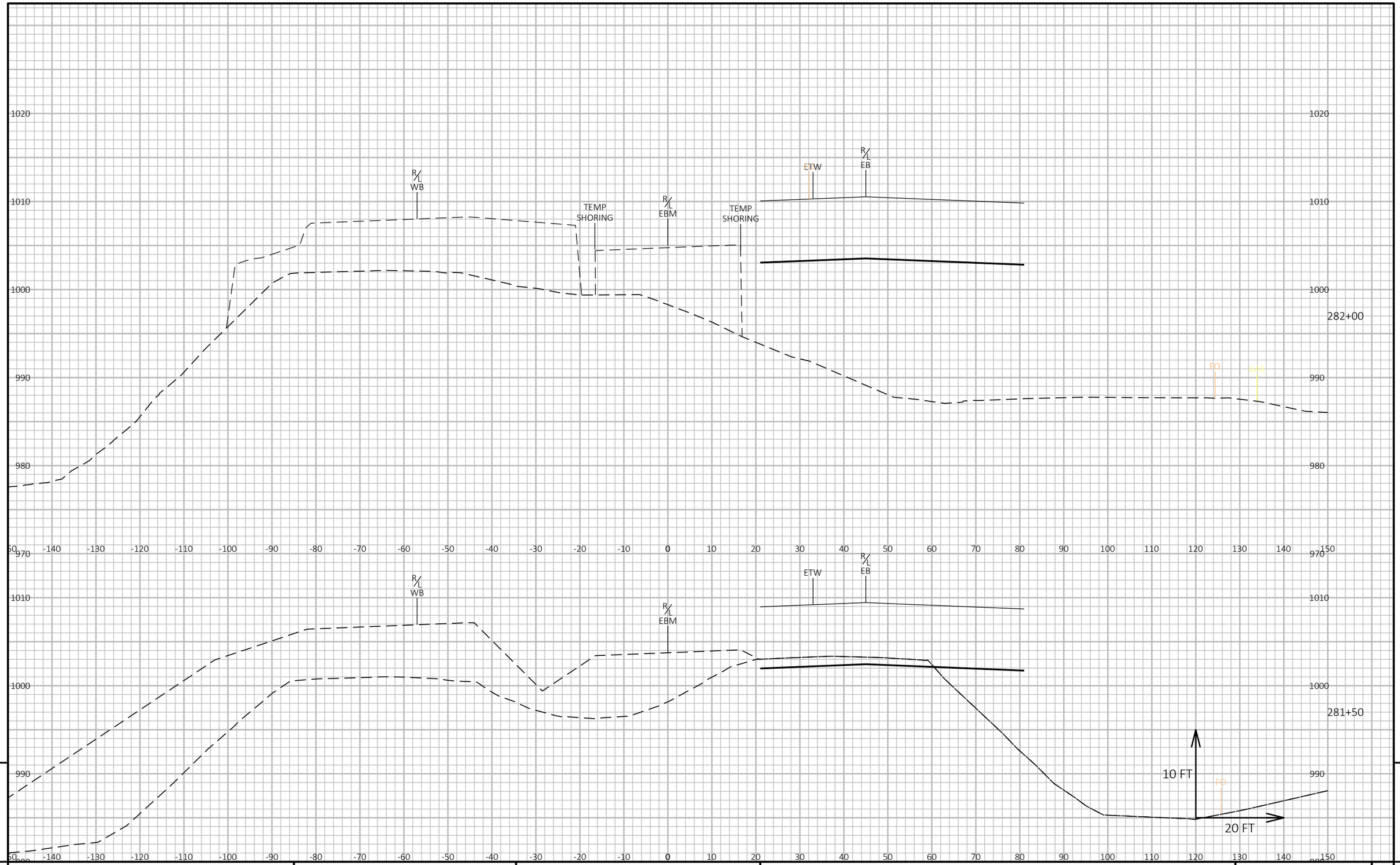
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT KINNEY ROAD	SHEET 699	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090809-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:32 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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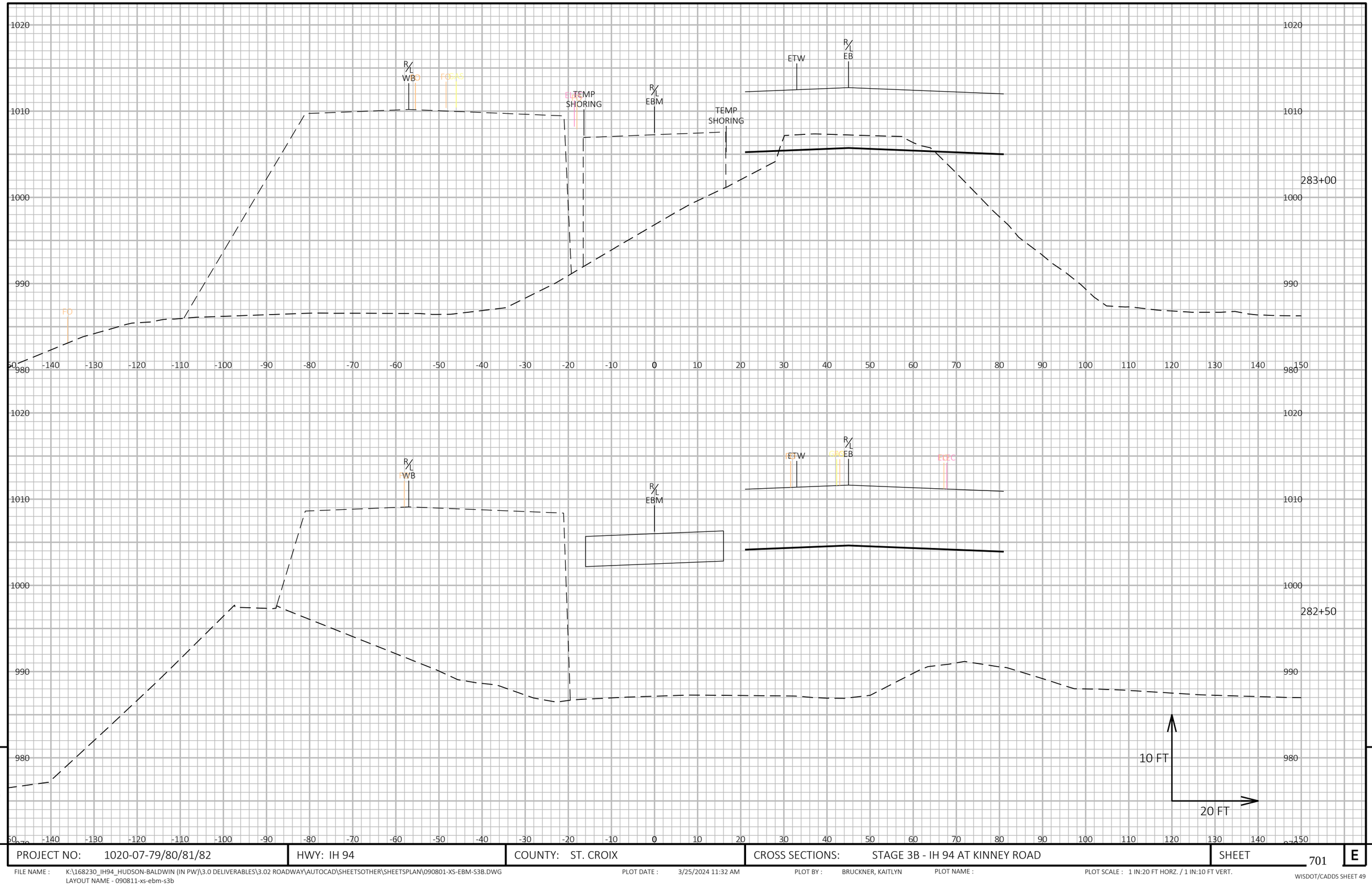
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT KINNEY ROAD	SHEET 700	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090810-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:32 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

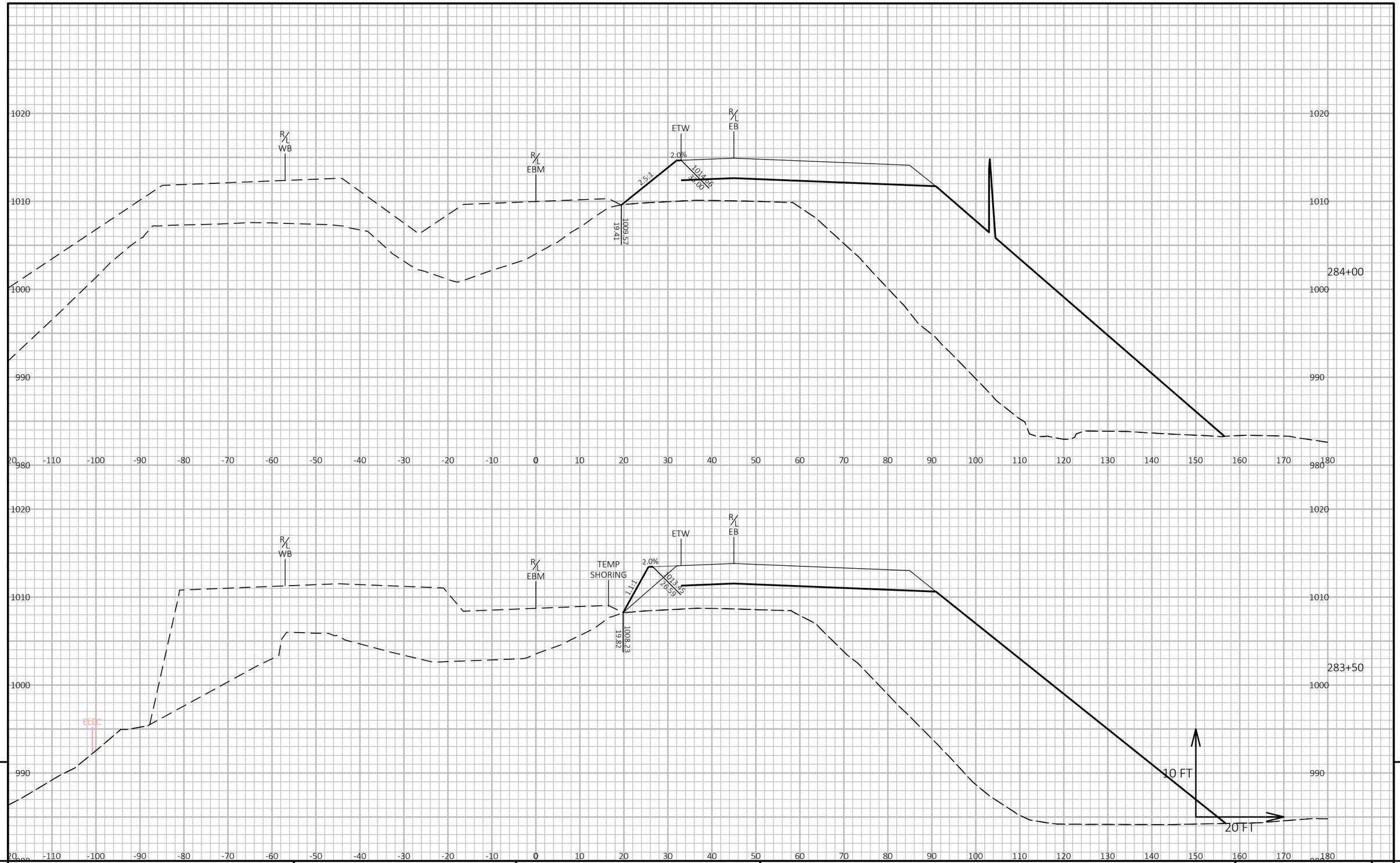


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT KINNEY ROAD	SHEET 701	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090811-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:32 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

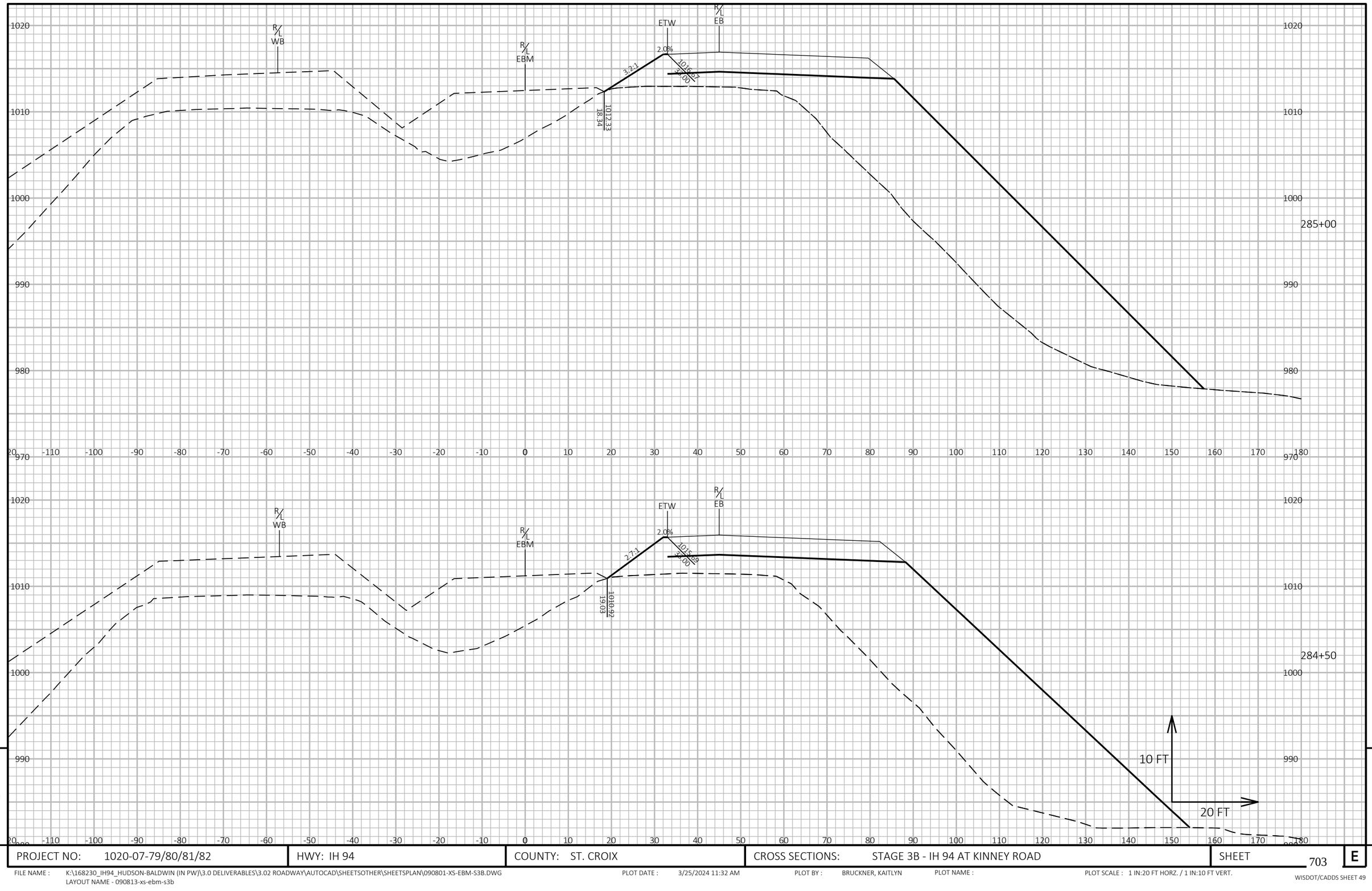


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT KINNEY ROAD	SHEET 702	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090812-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:32 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

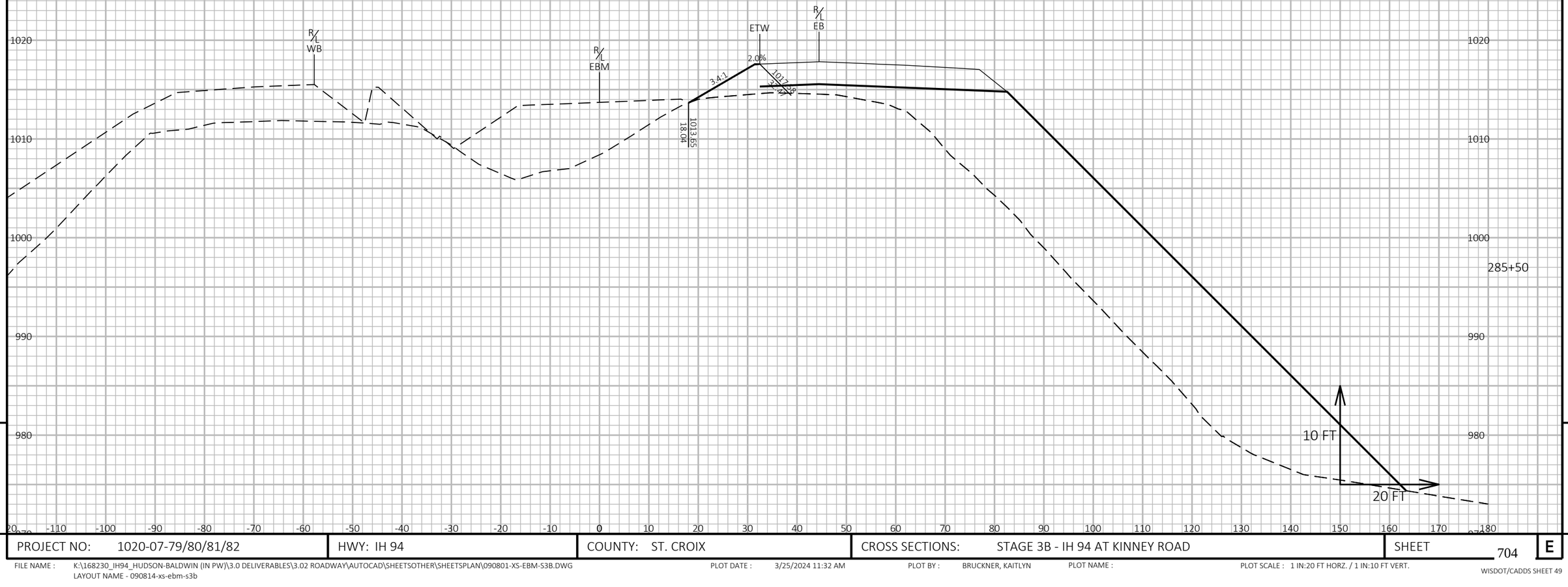
WISDOT/CADDS SHEET 49



PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT KINNEY ROAD	SHEET 703	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090813-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:32 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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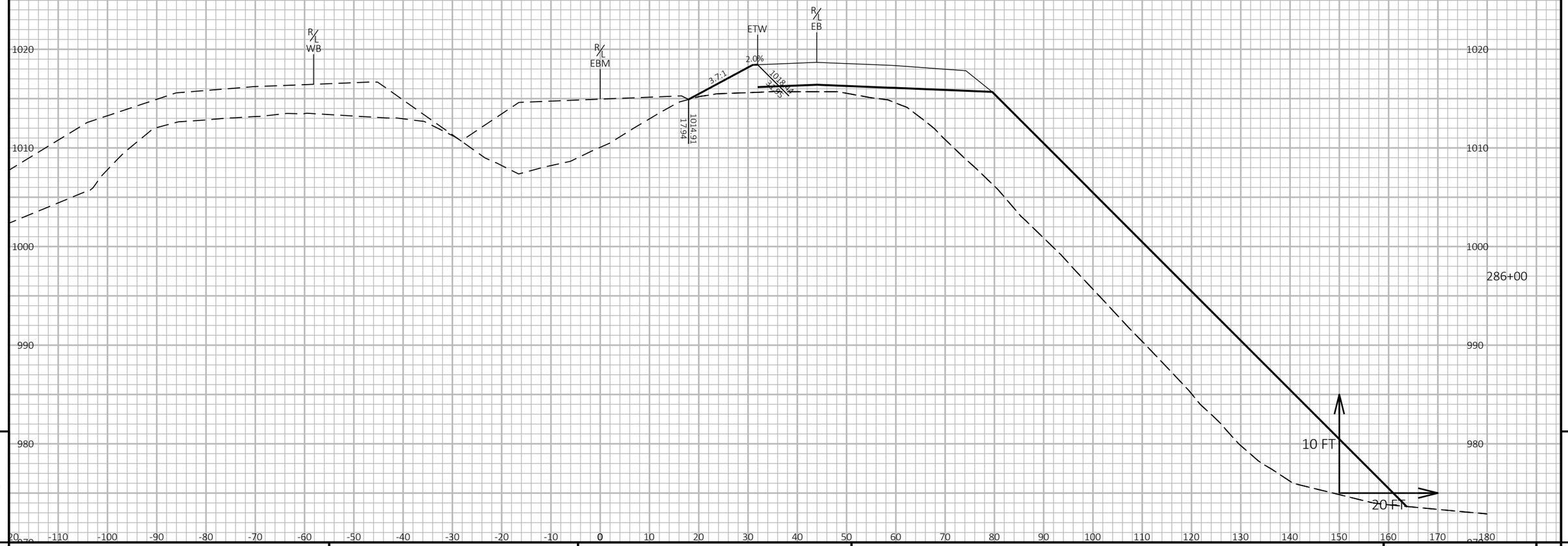
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT KINNEY ROAD	SHEET 704 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090814-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:32 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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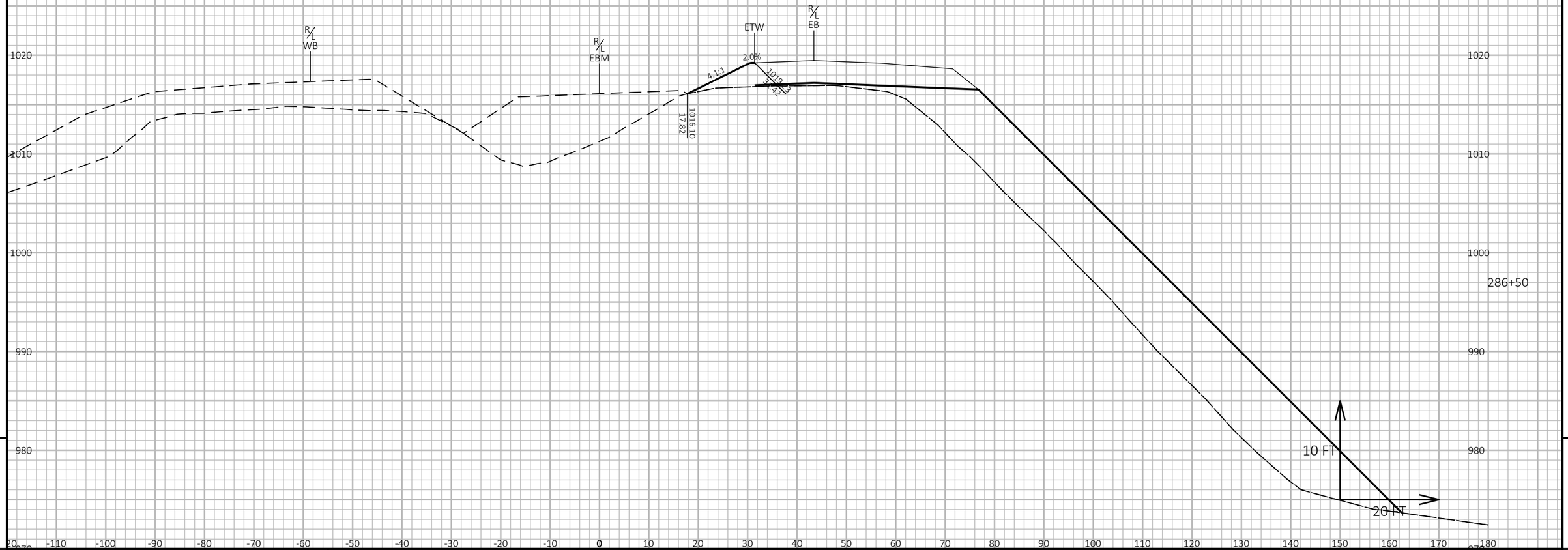
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT KINNEY ROAD	SHEET 705	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090815-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:32 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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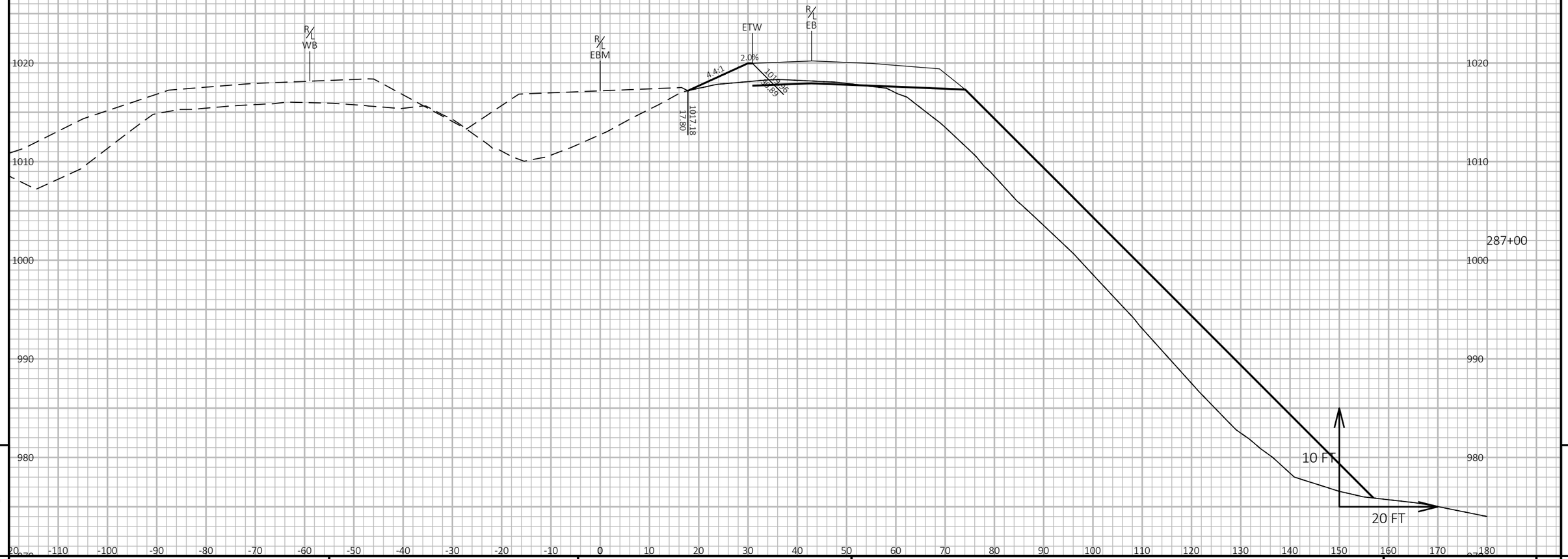
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT KINNEY ROAD	SHEET 706	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090816-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:32 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

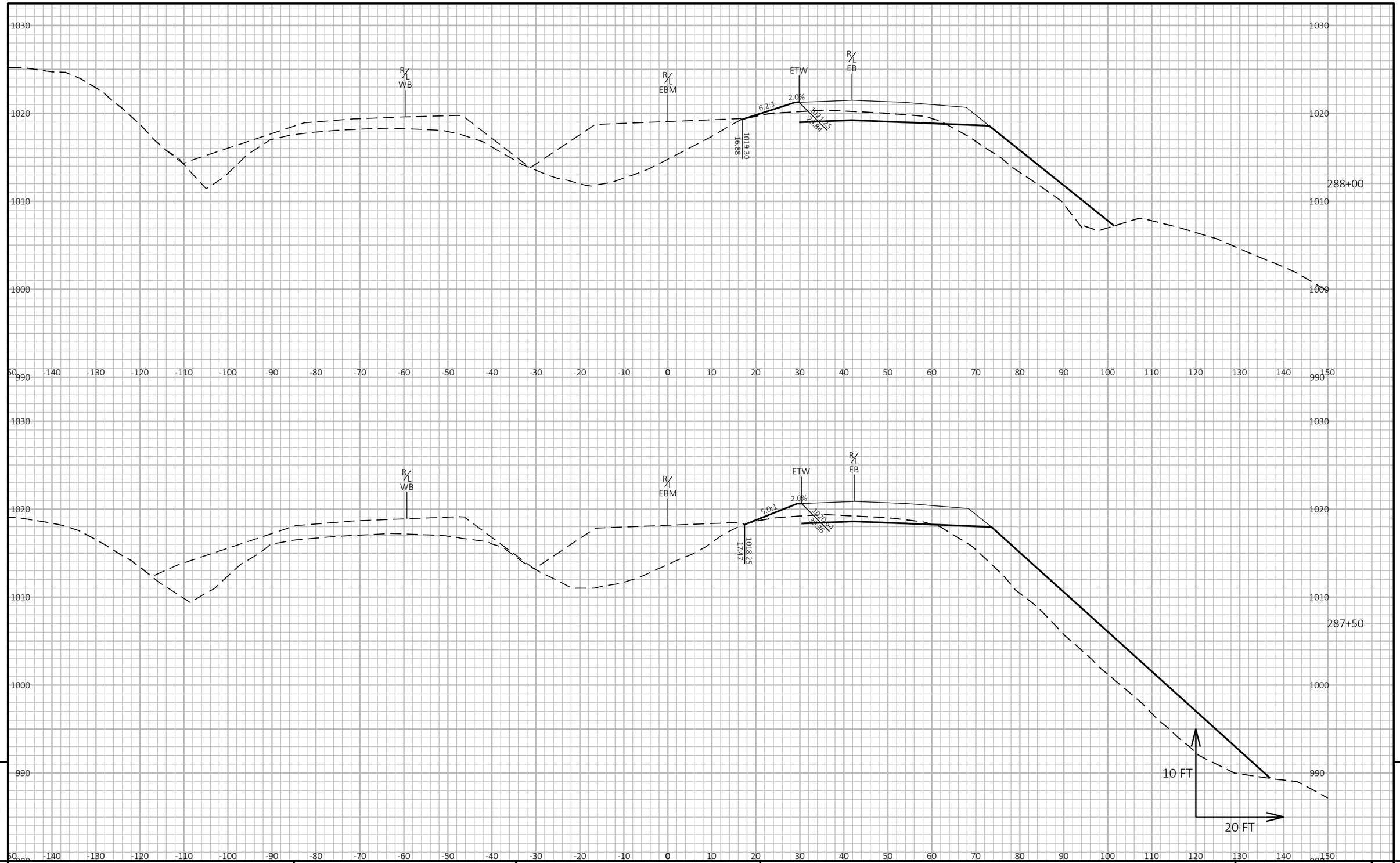


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT KINNEY ROAD	SHEET 707 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090817-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:32 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

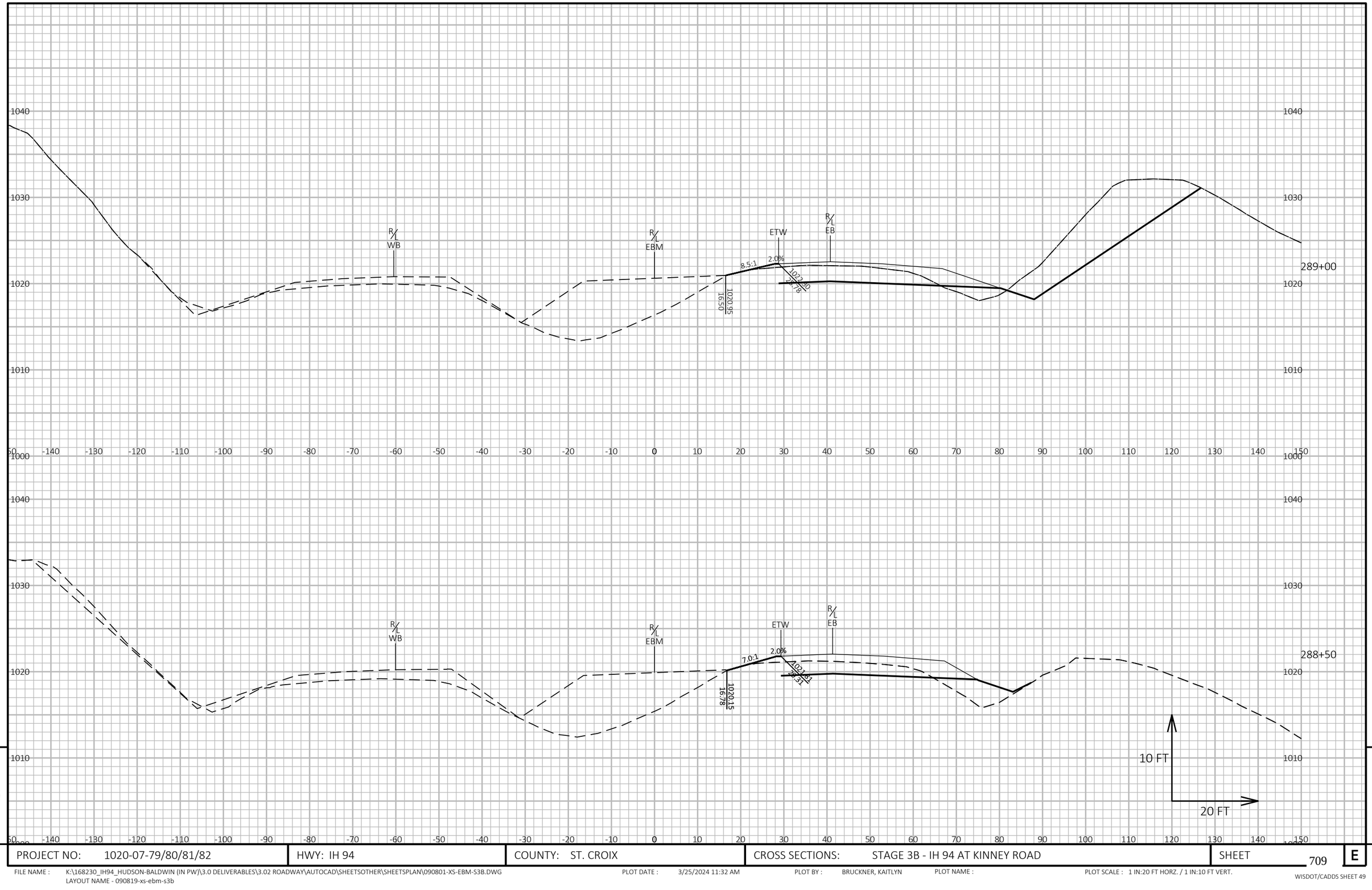


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT KINNEY ROAD	SHEET 708	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090818-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:32 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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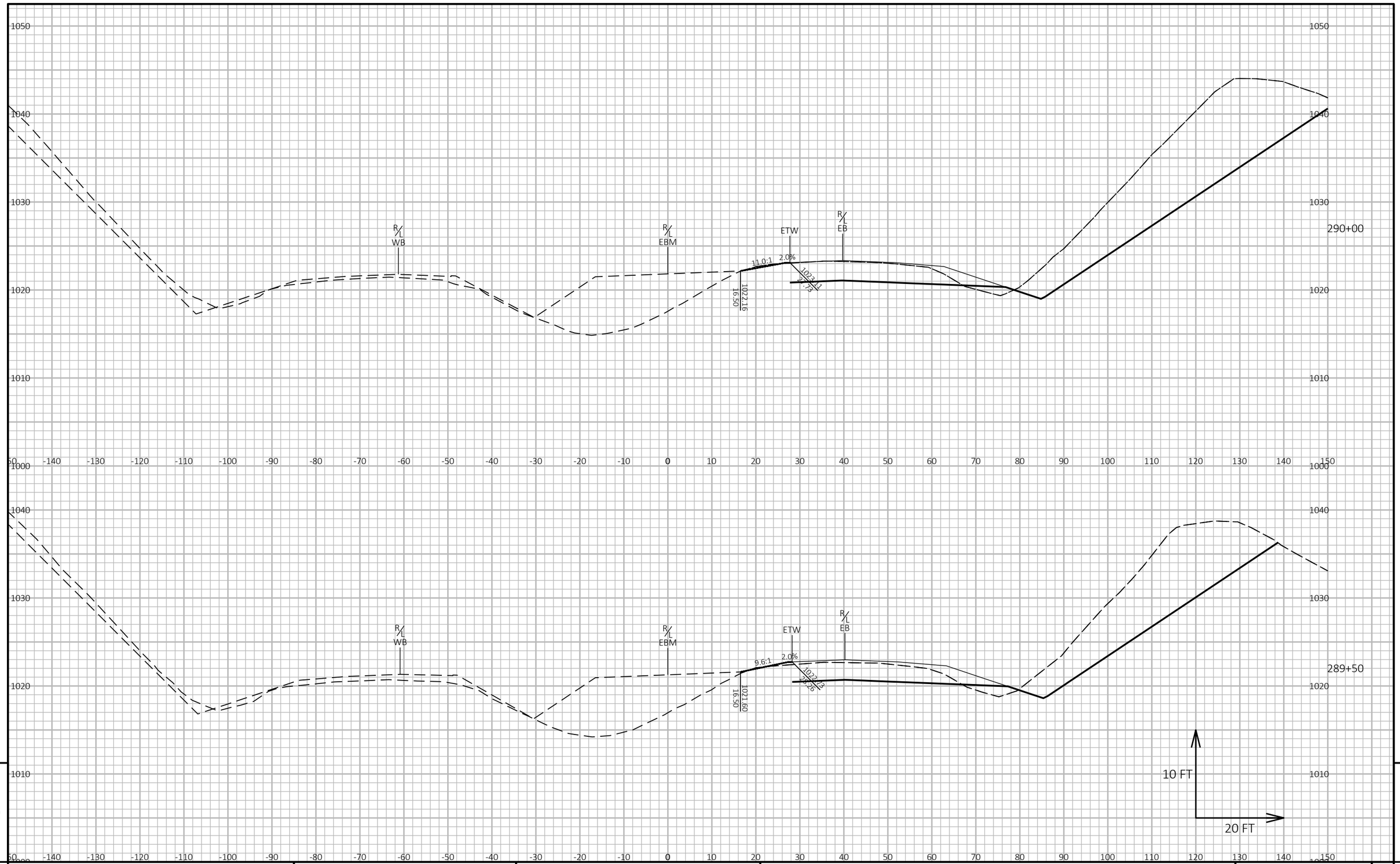
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT KINNEY ROAD	SHEET 709	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090819-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:32 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT KINNEY ROAD	SHEET 710 E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090820-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:33 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

1050
1040
1030
1020
1010

R/L WB
R/L EBM
ETW
R/L EB
12.7-1
2.0%
1023.32
1.20
1027.64
16.50
290+50

10 FT
20 FT

-140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

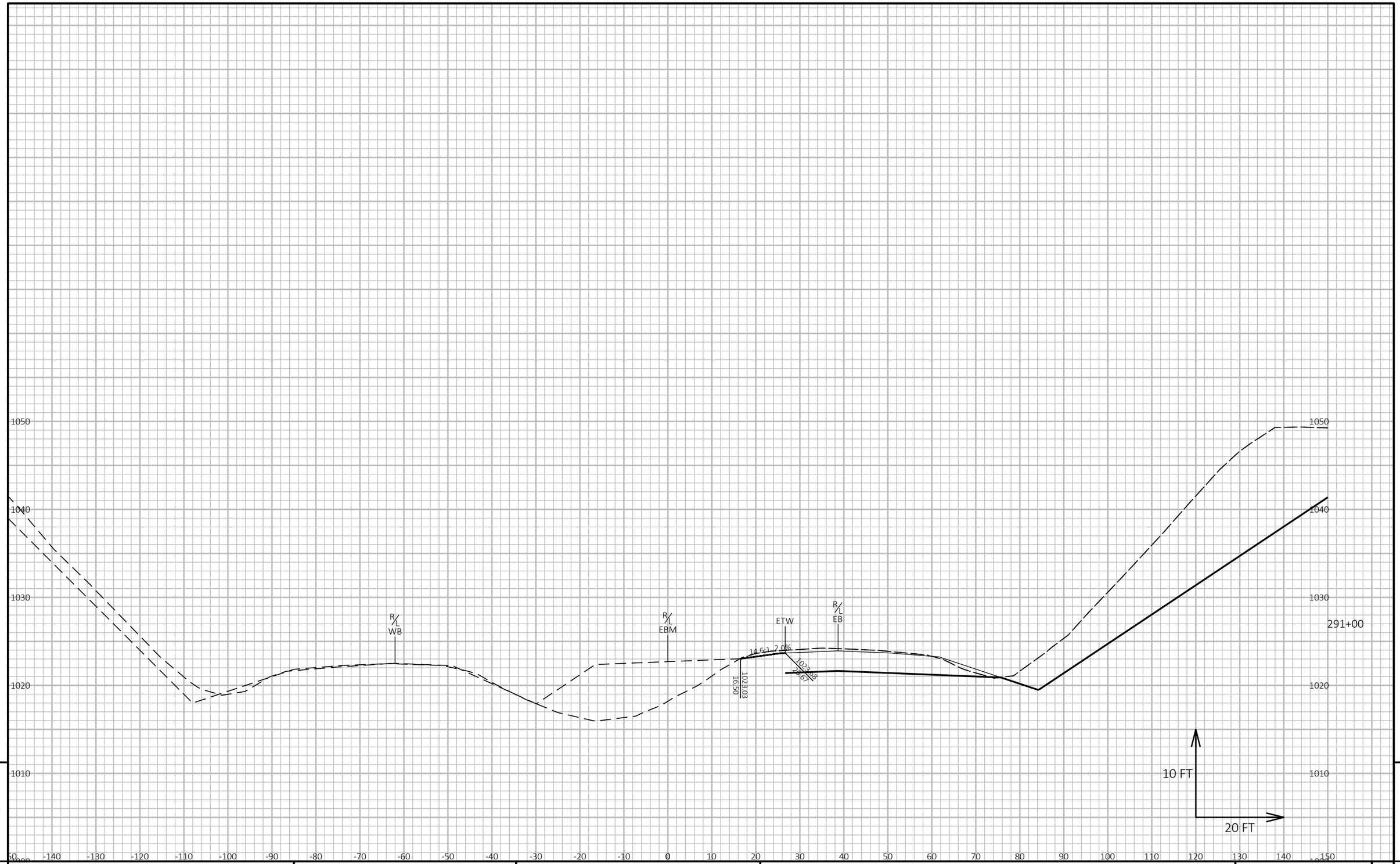
9

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT KINNEY ROAD	SHEET 711	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090821-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:33 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9 9

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT KINNEY ROAD	SHEET 712	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090822-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:33 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

1060
1050
1040
1030
1020
1010

R/L WB
R/L EBM
ETW
R/L EB
16.8:1 2.0%
1023.67
20.15
1023.34
16.50
291+50

10 FT
20 FT

-140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

9

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT KINNEY ROAD	SHEET 713	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090823-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:33 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

1060
1050
1040
1030
1020
1010

R/L WB
R/L EBM
ETW
R/L EB
19.0:1 2.0%
1024.00
9.91
1023.56
16.50
292+00

10 FT
20 FT

-200 -150 -140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

9

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT KINNEY ROAD	SHEET 714	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090824-xs-ebm-s3b
PLOT DATE : 3/25/2024 11:33 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

1060
1050
1040
1030
1020
1010
292+50
R/L WB
R/L EBM
ETW
R/L EB
20.8
12.0%
1024.48
24.05
16.50
1023.69
10 FT
20 FT
-140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

9 9

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT KINNEY ROAD	SHEET 715	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090825-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:33 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

1060
1050
1040
1030
1020
1010

R/L WB
R/L EBM
ETW
R/L EB
21.4
12.0%
1023.19
2.51
1023.74
16.50
293+00

10 FT
20 FT

-140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

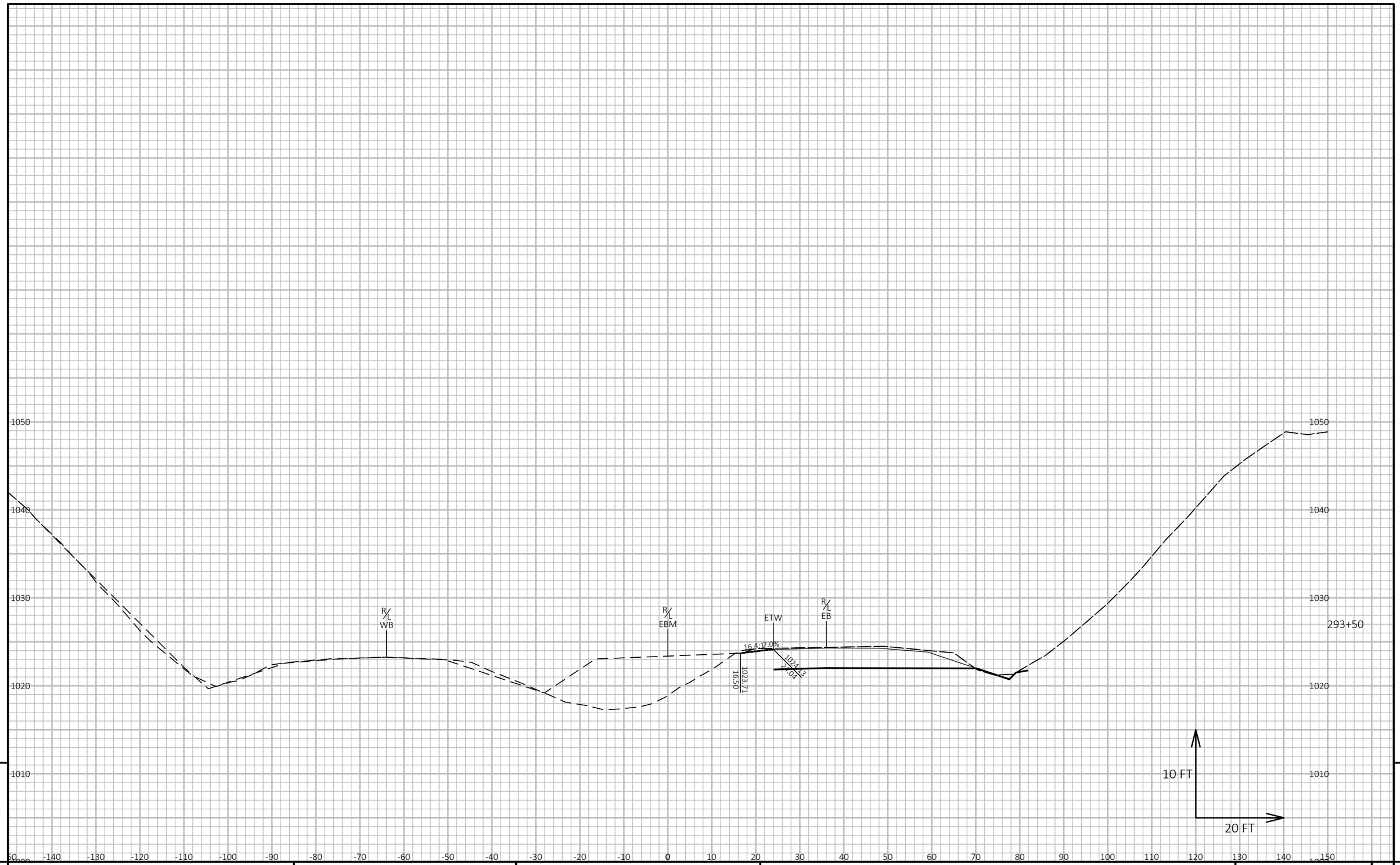
9 9

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT KINNEY ROAD	SHEET 716	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090826-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:33 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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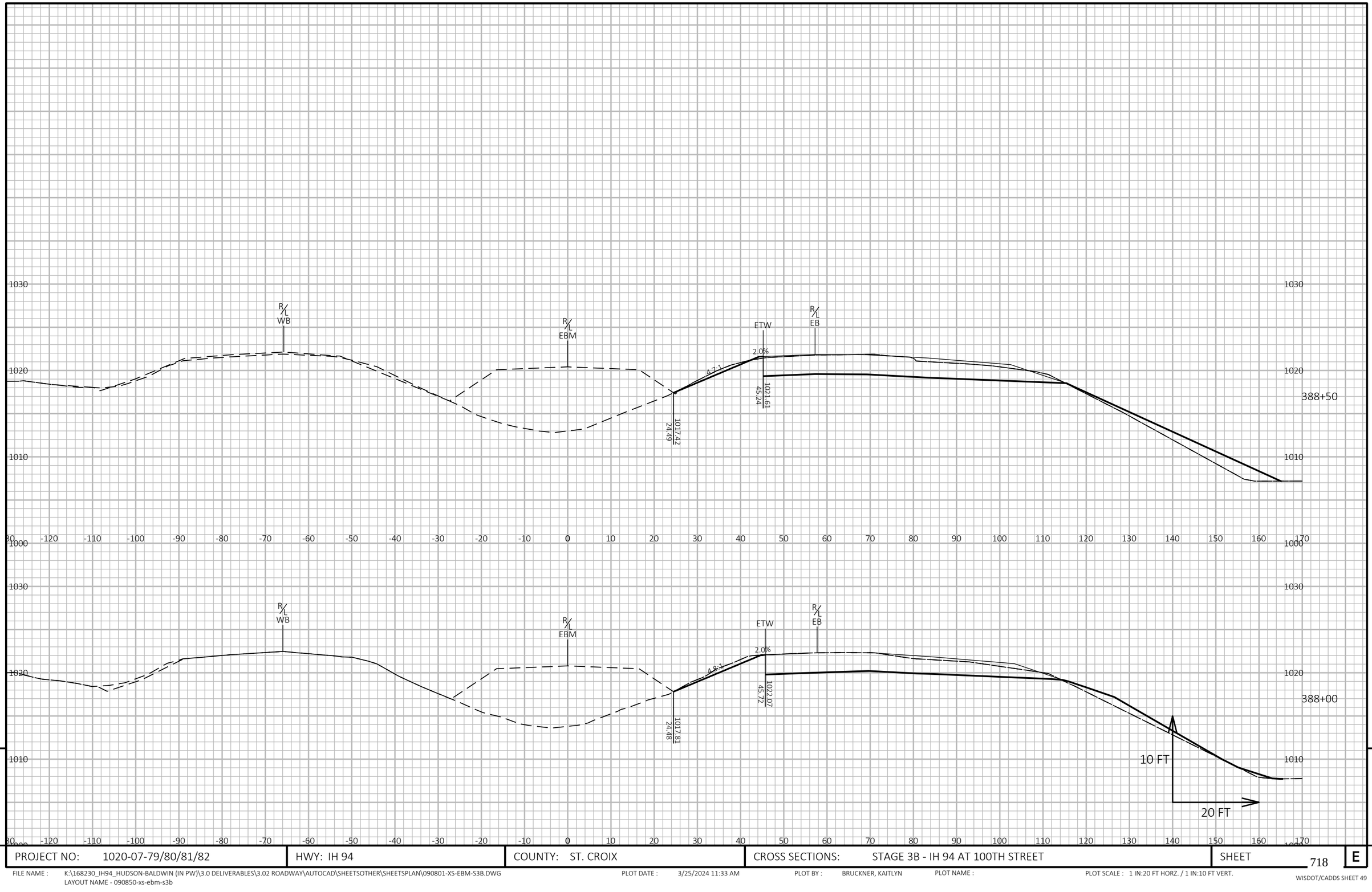
9

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT KINNEY ROAD	SHEET 717	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090827-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:33 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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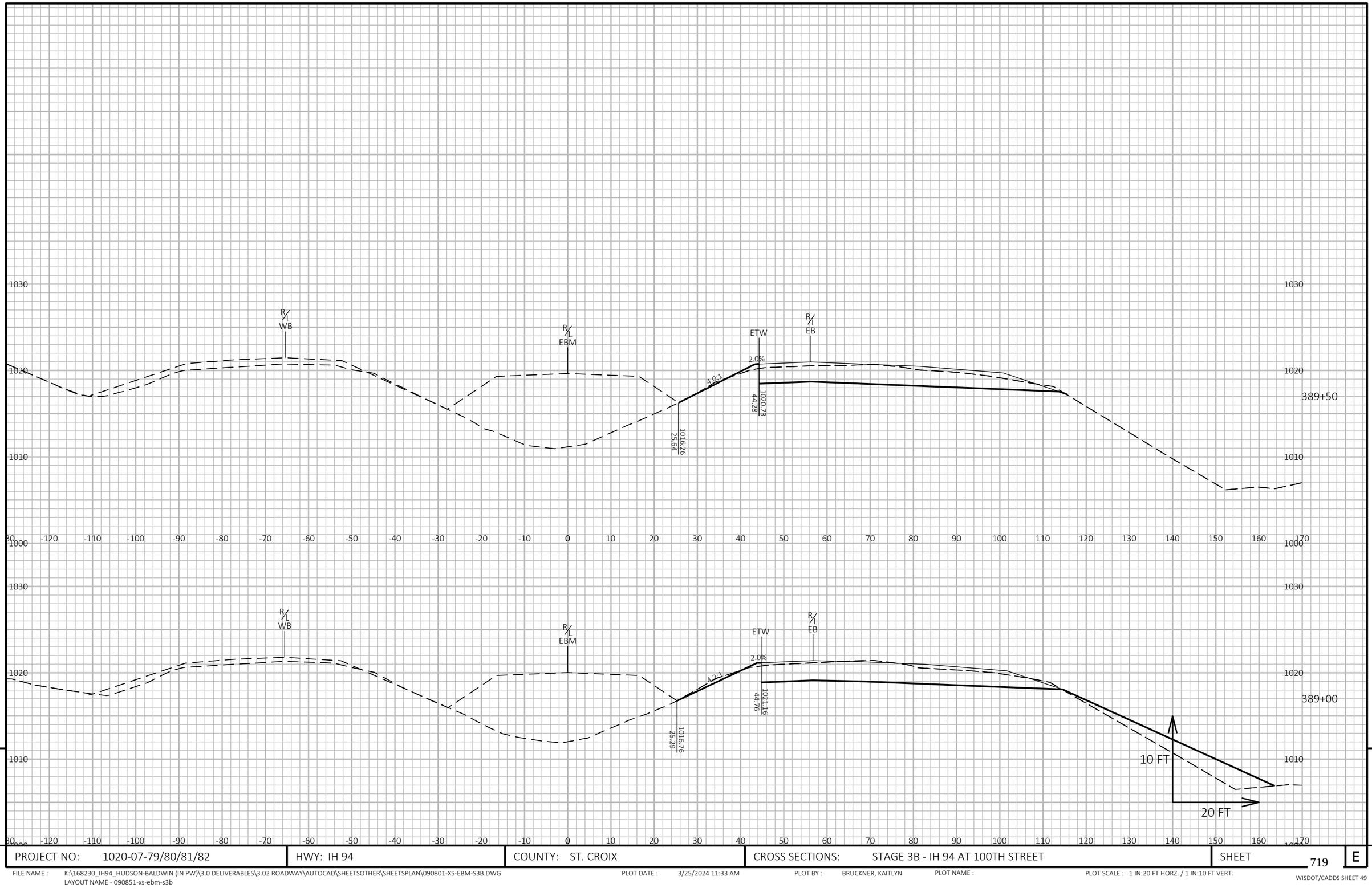
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT 100TH STREET	SHEET 718	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090850-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:33 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



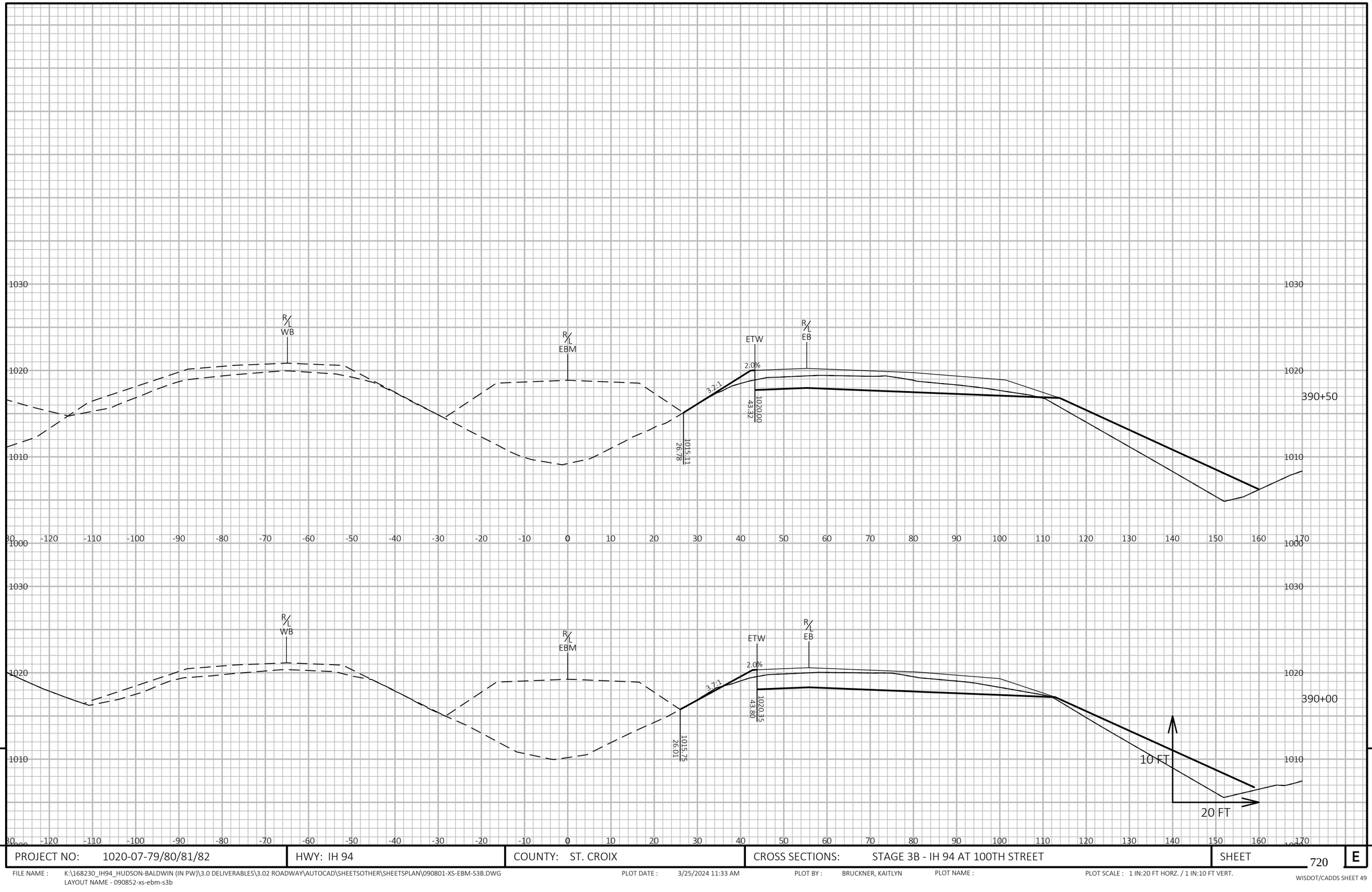
9 9

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT 100TH STREET	SHEET 719	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090851-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:33 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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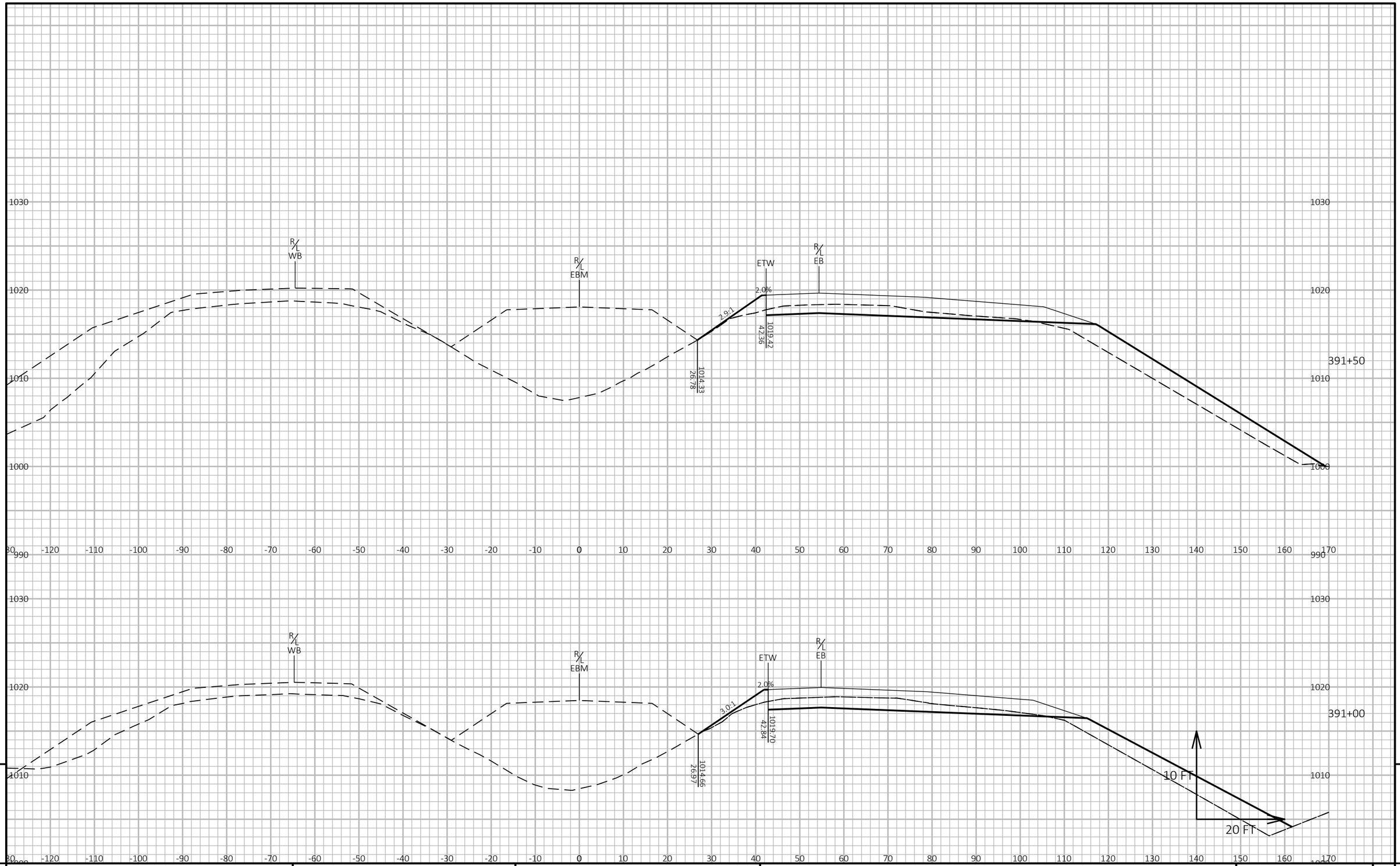
9

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT 100TH STREET	SHEET 720	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090852-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:33 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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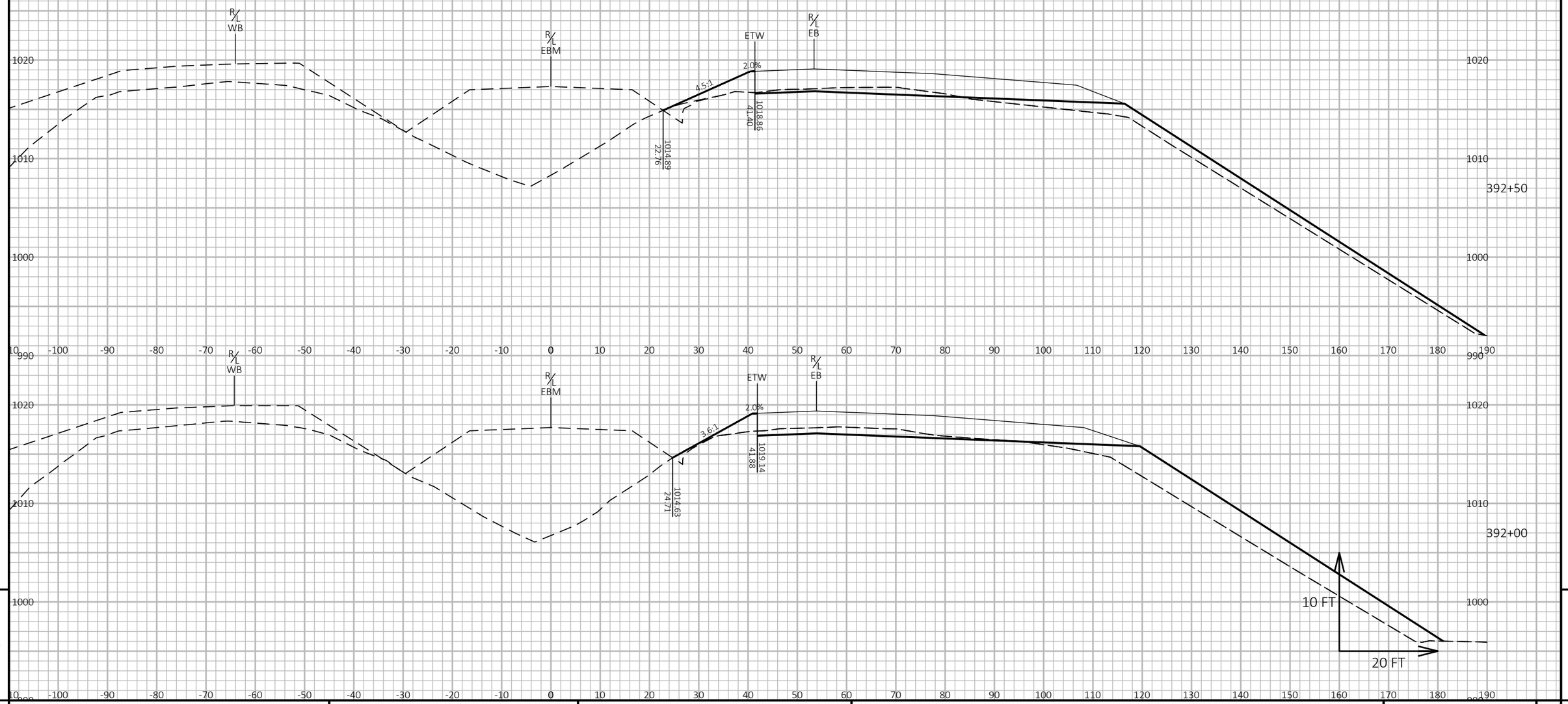
9

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT 100TH STREET	SHEET 721	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090853-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:33 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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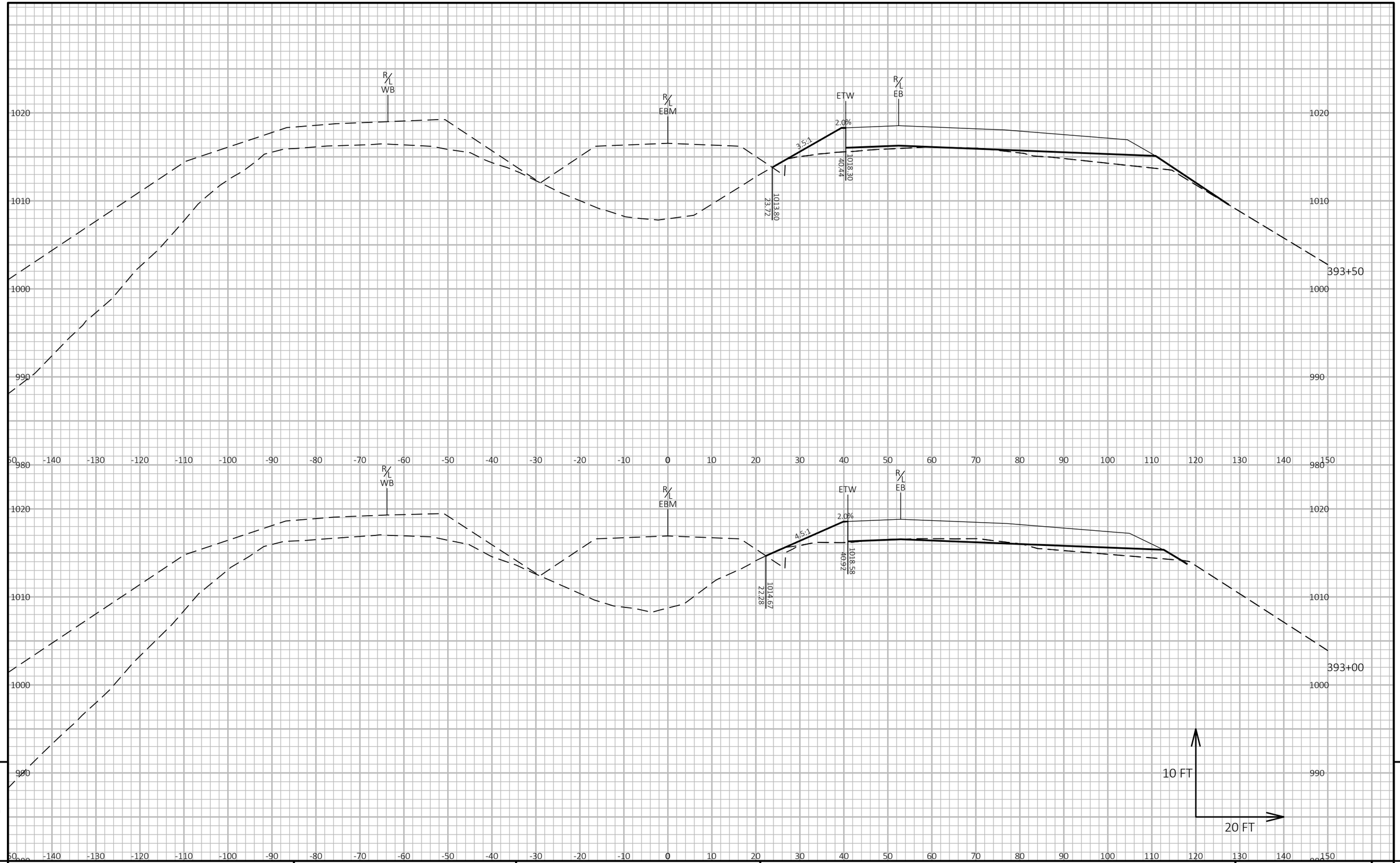
9

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT 100TH STREET	SHEET 722	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090854-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:34 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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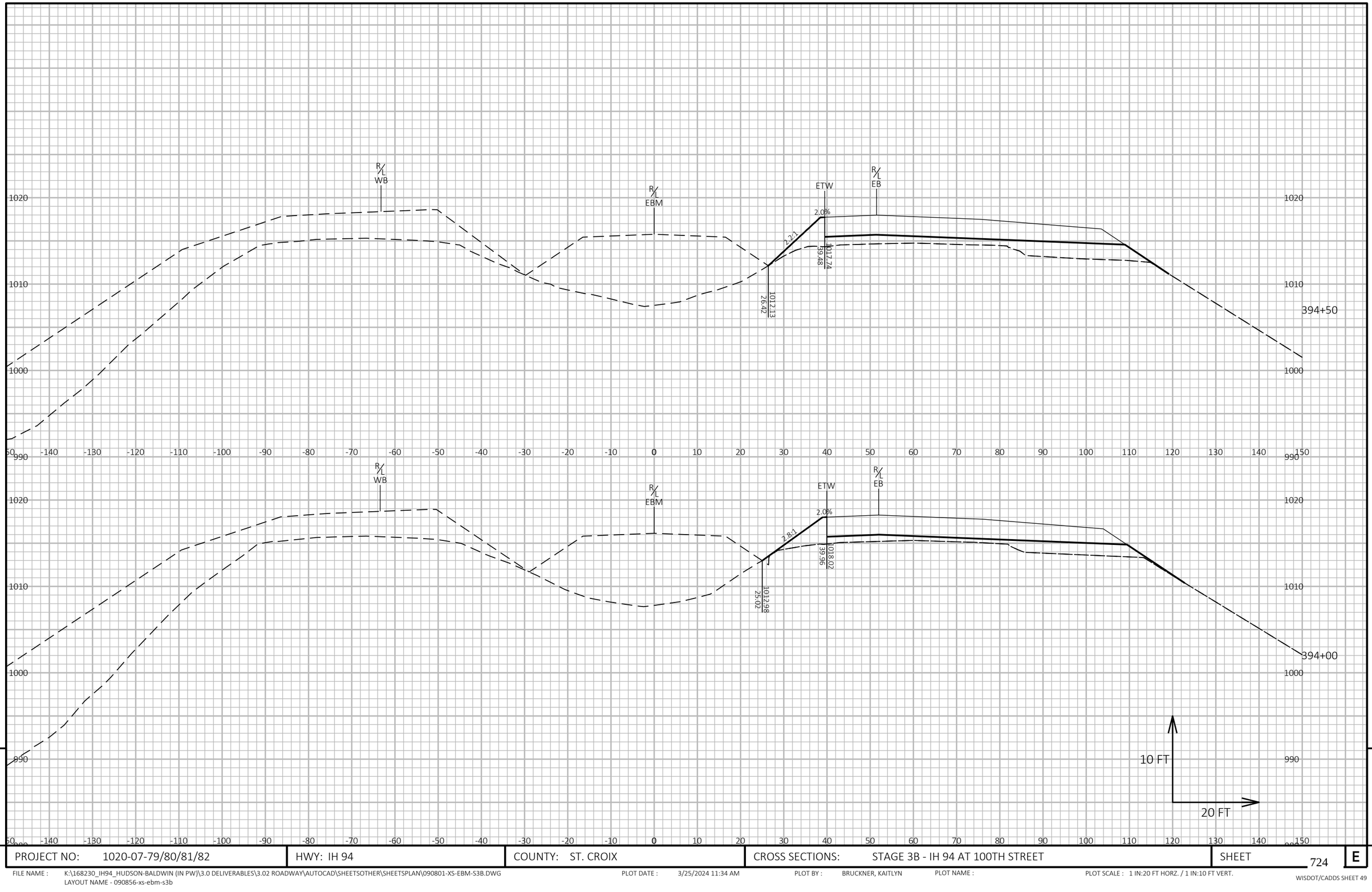
9

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT 100TH STREET	SHEET 723	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090855-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:34 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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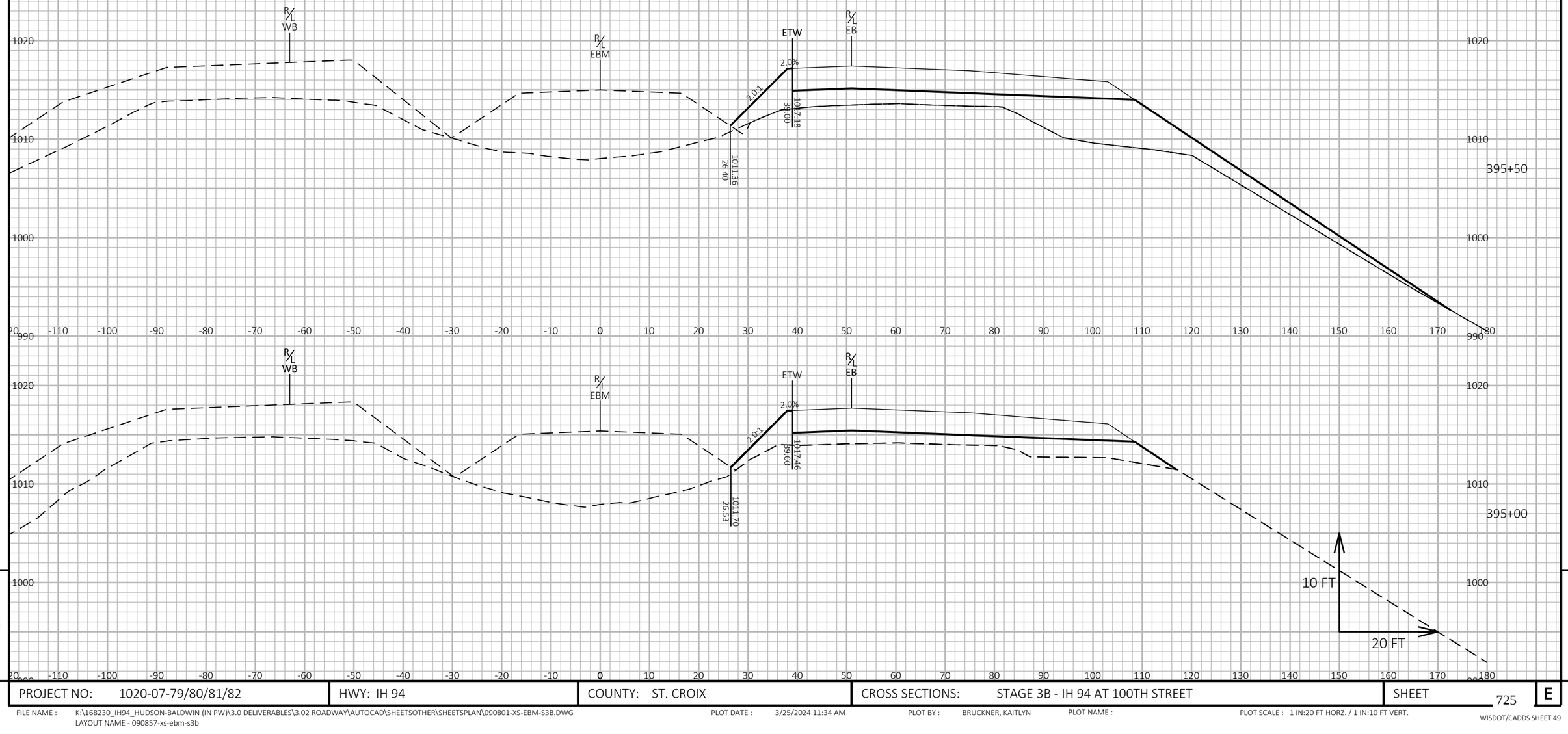
9

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT 100TH STREET	SHEET 724	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090856-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:34 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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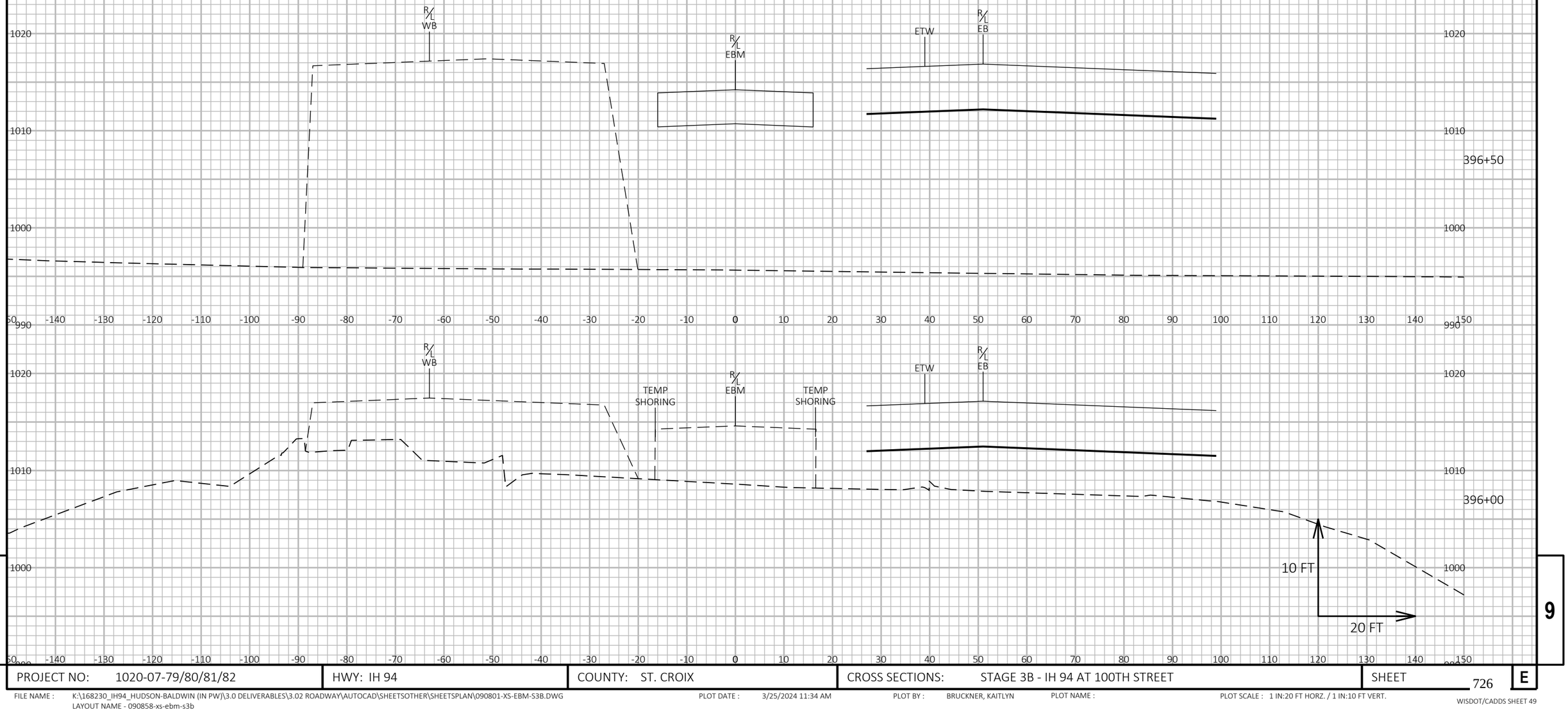
9

PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT 100TH STREET	SHEET 725	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090857-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:34 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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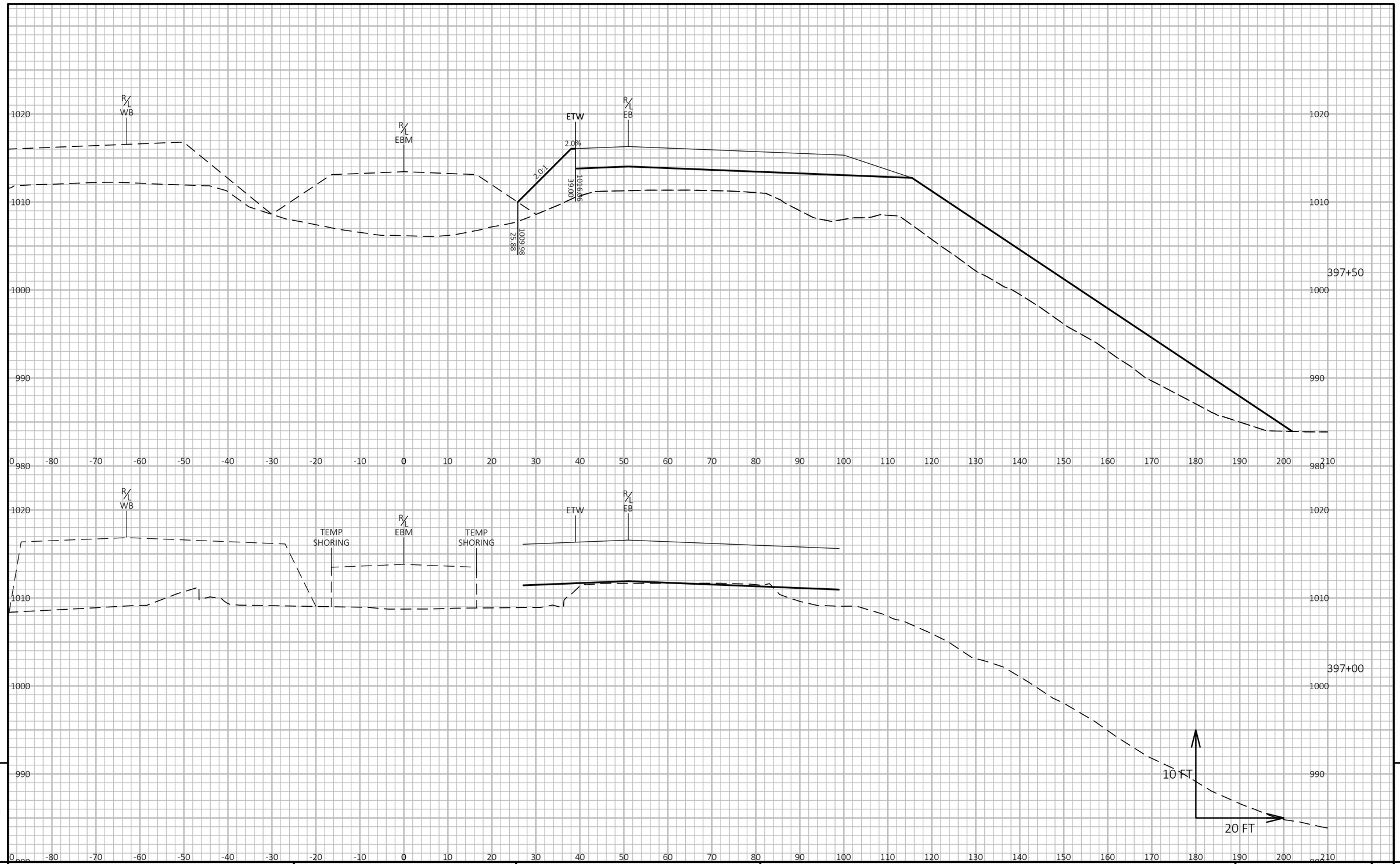
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT 100TH STREET	SHEET 726	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090858-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:34 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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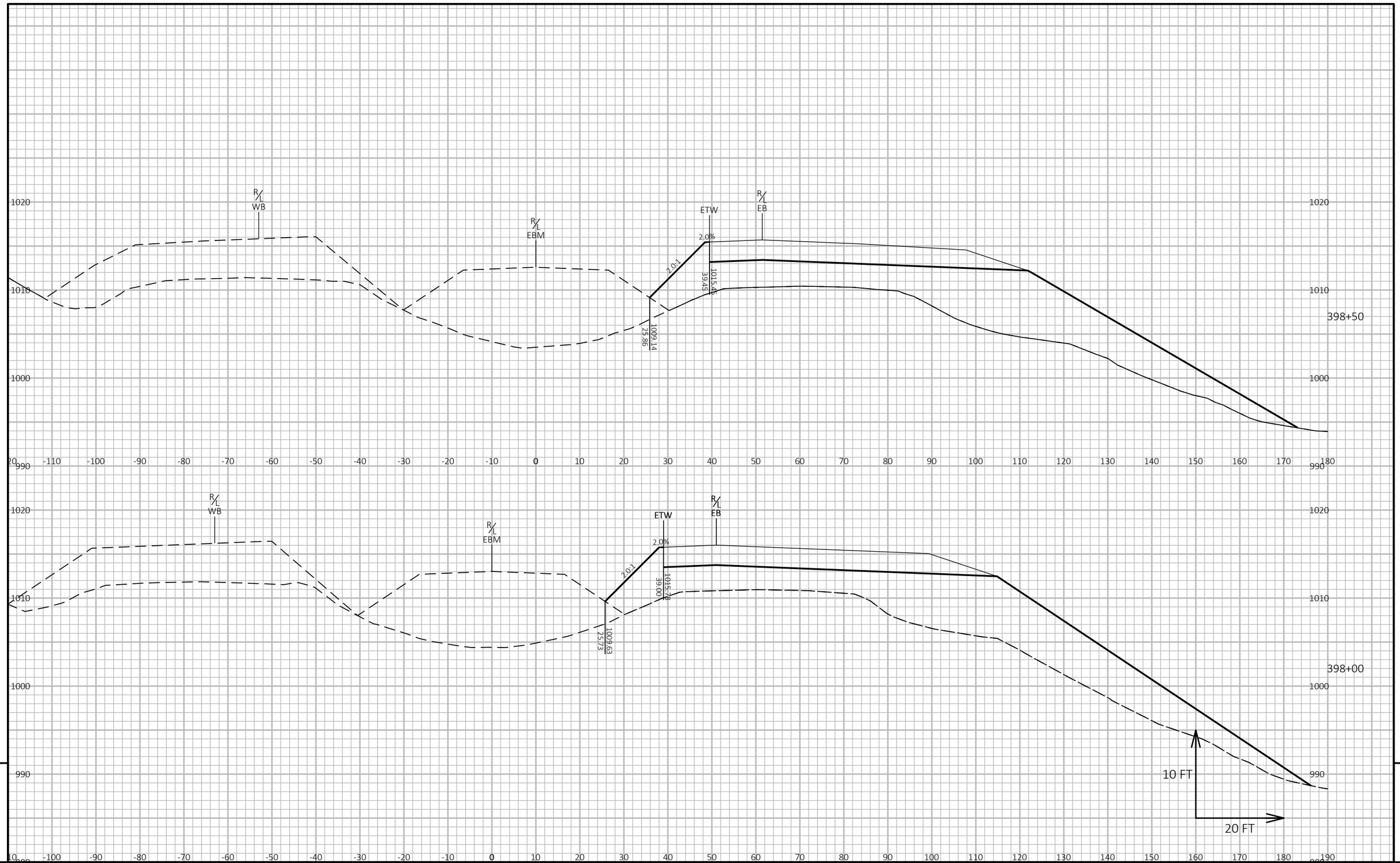
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT 100TH STREET	SHEET 727	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090859-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:34 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

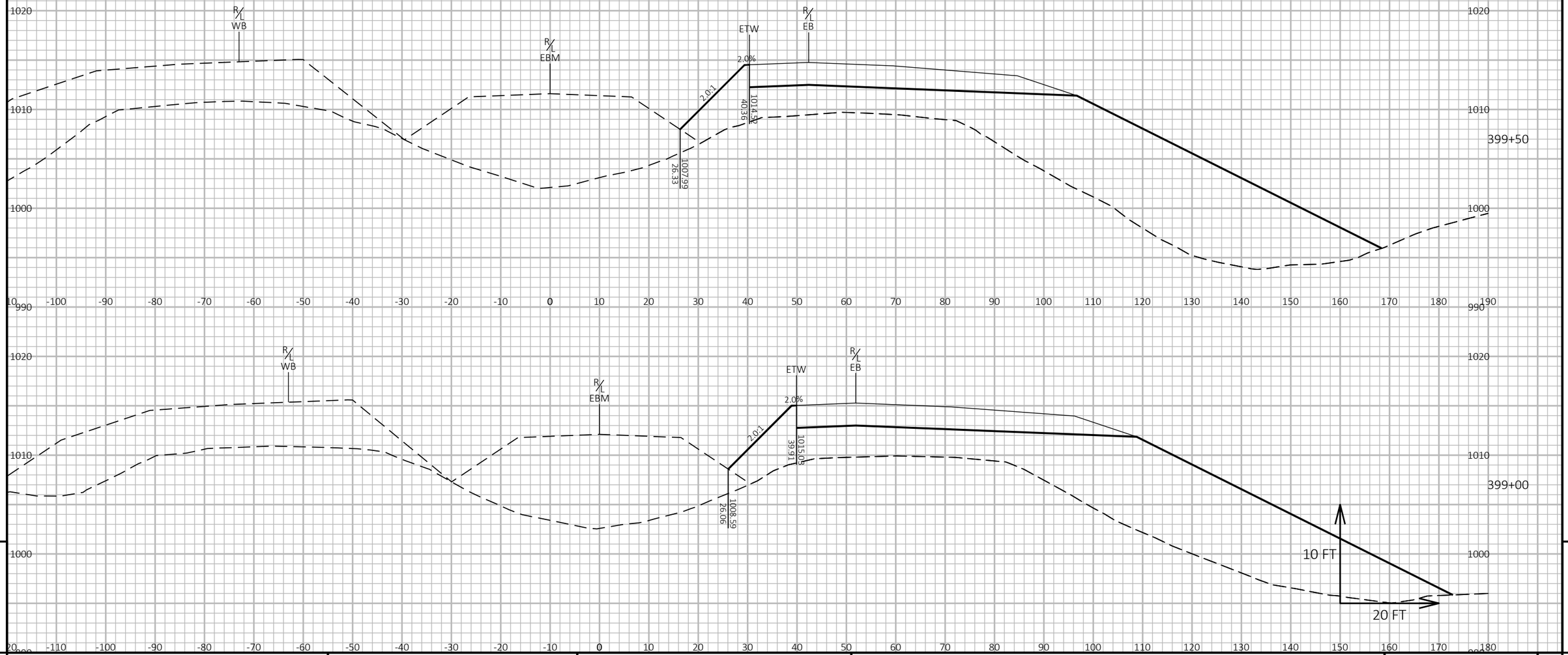


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT 100TH STREET	SHEET 728	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090860-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:34 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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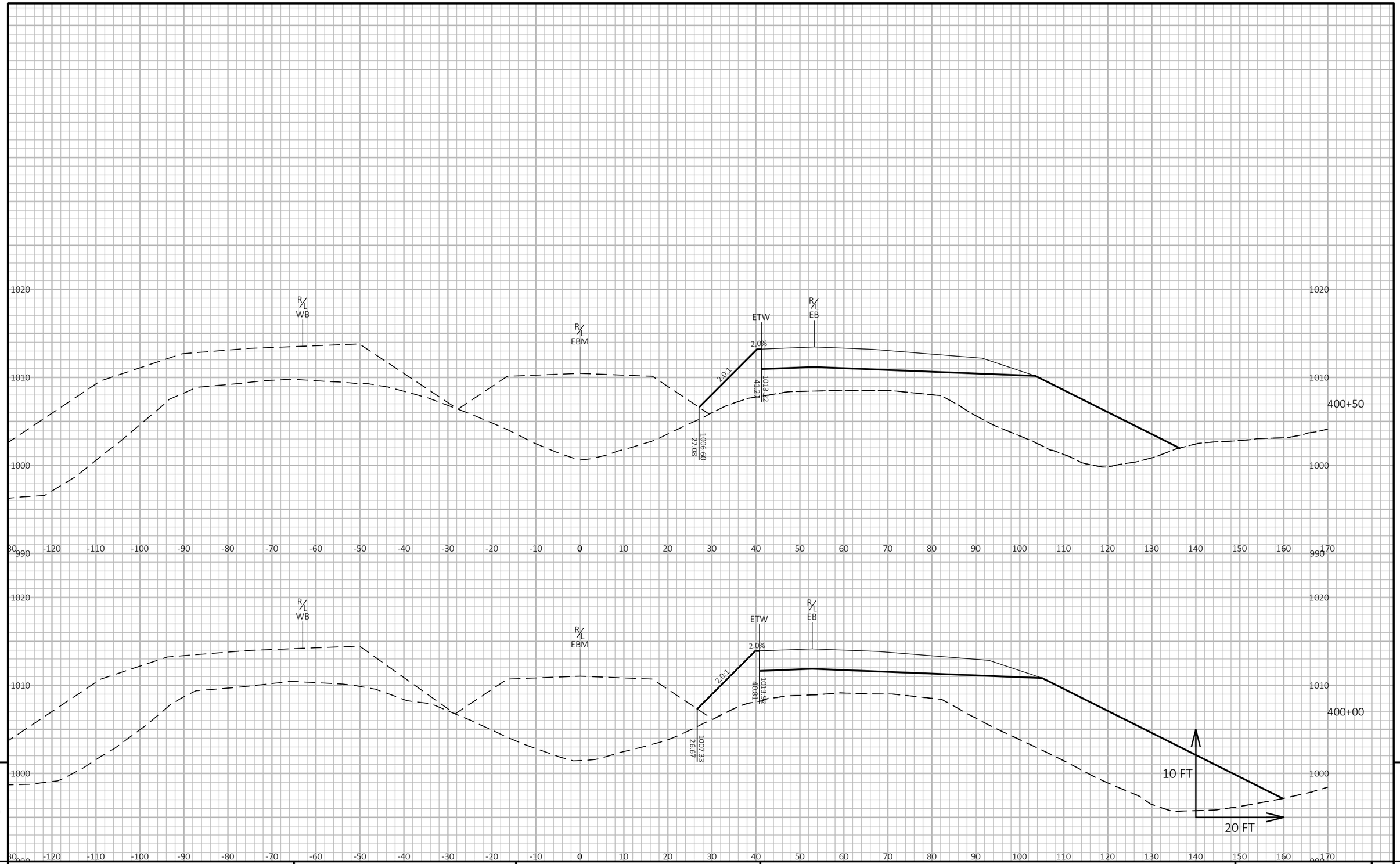
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT 100TH STREET	SHEET 729	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090861-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:34 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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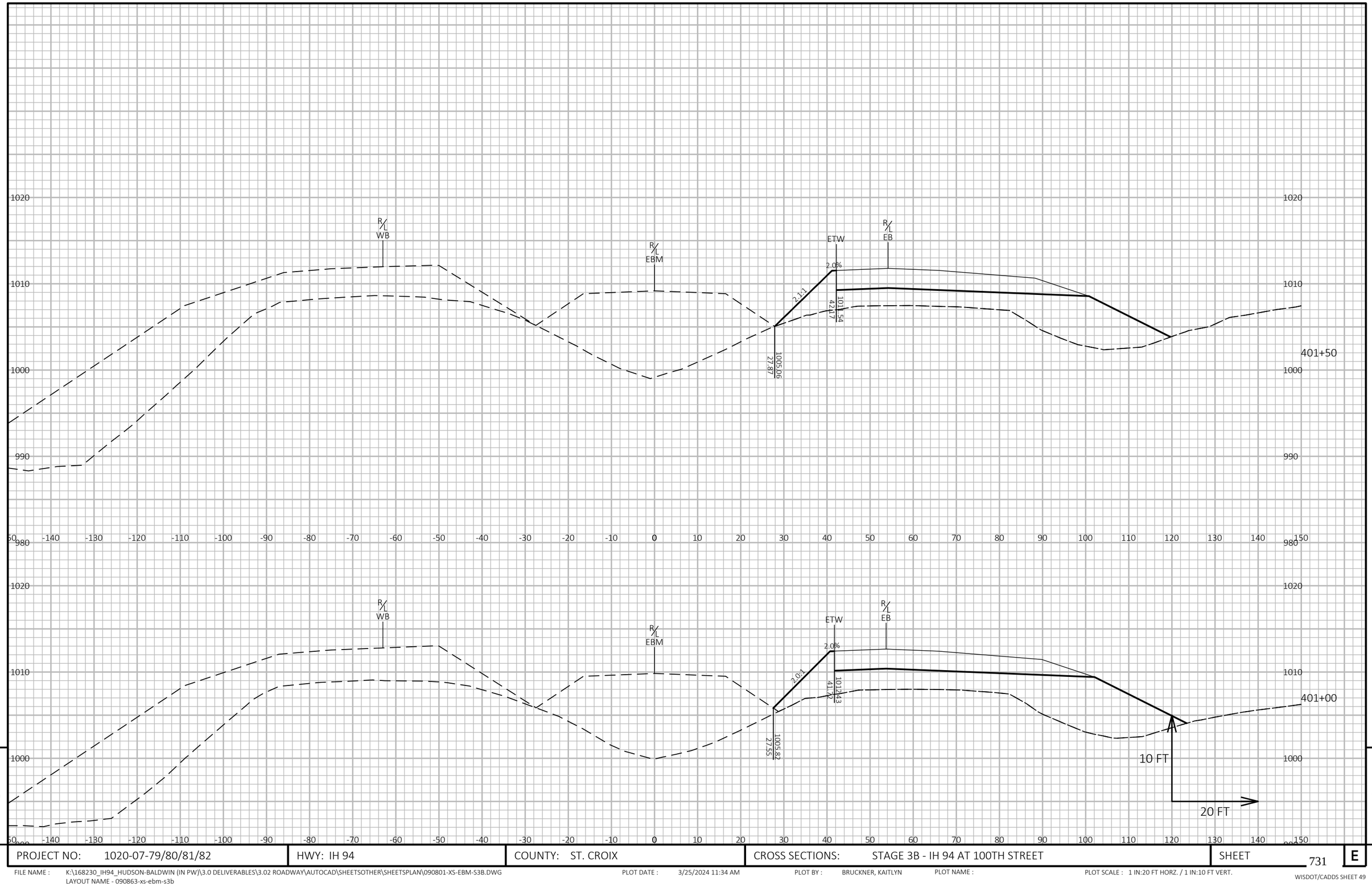
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT 100TH STREET	SHEET 730	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090862-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:34 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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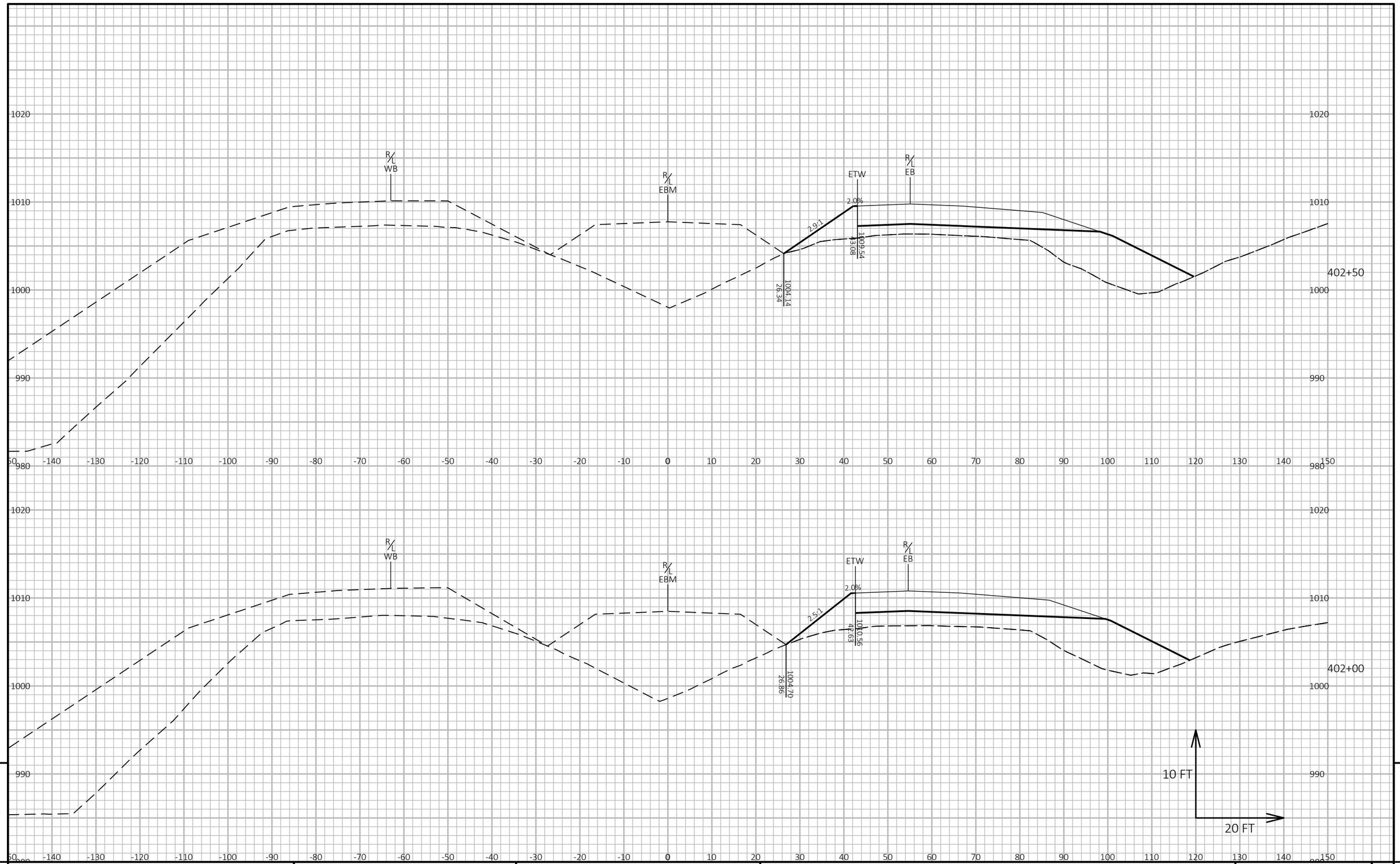
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT 100TH STREET	SHEET 731	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090863-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:34 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

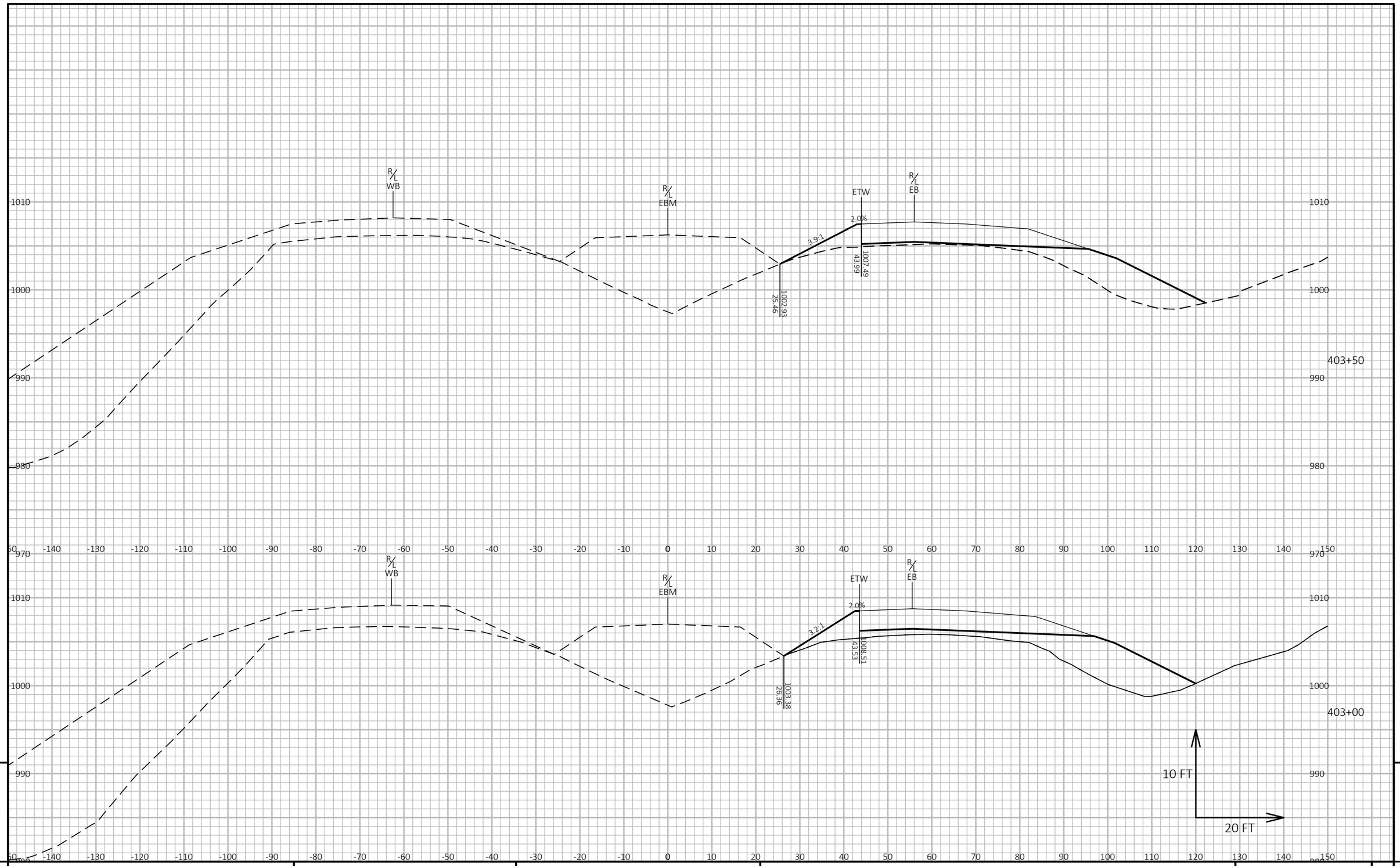


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT 100TH STREET	SHEET 732	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090864-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:34 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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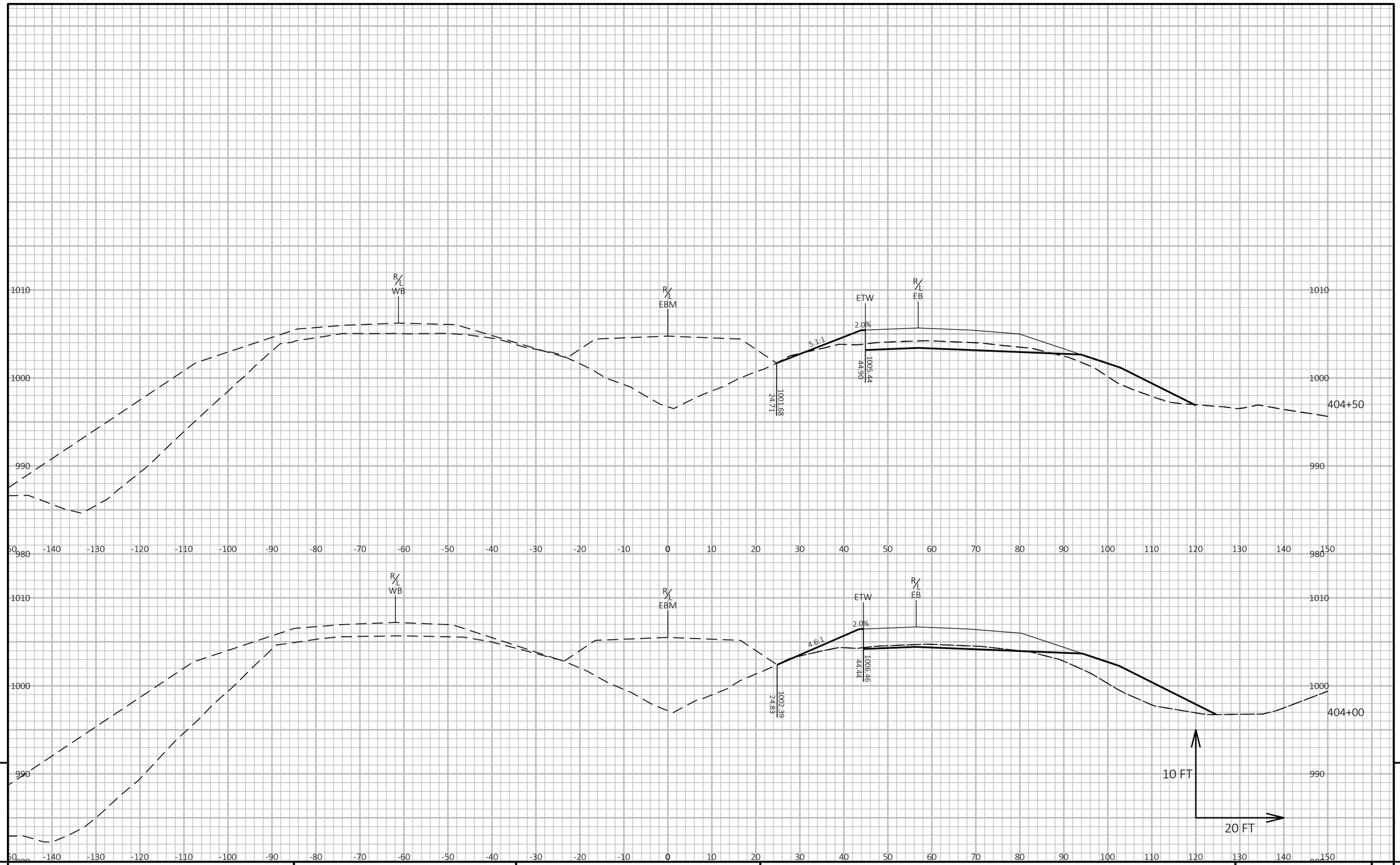
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT 100TH STREET	SHEET 733	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090865-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:34 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

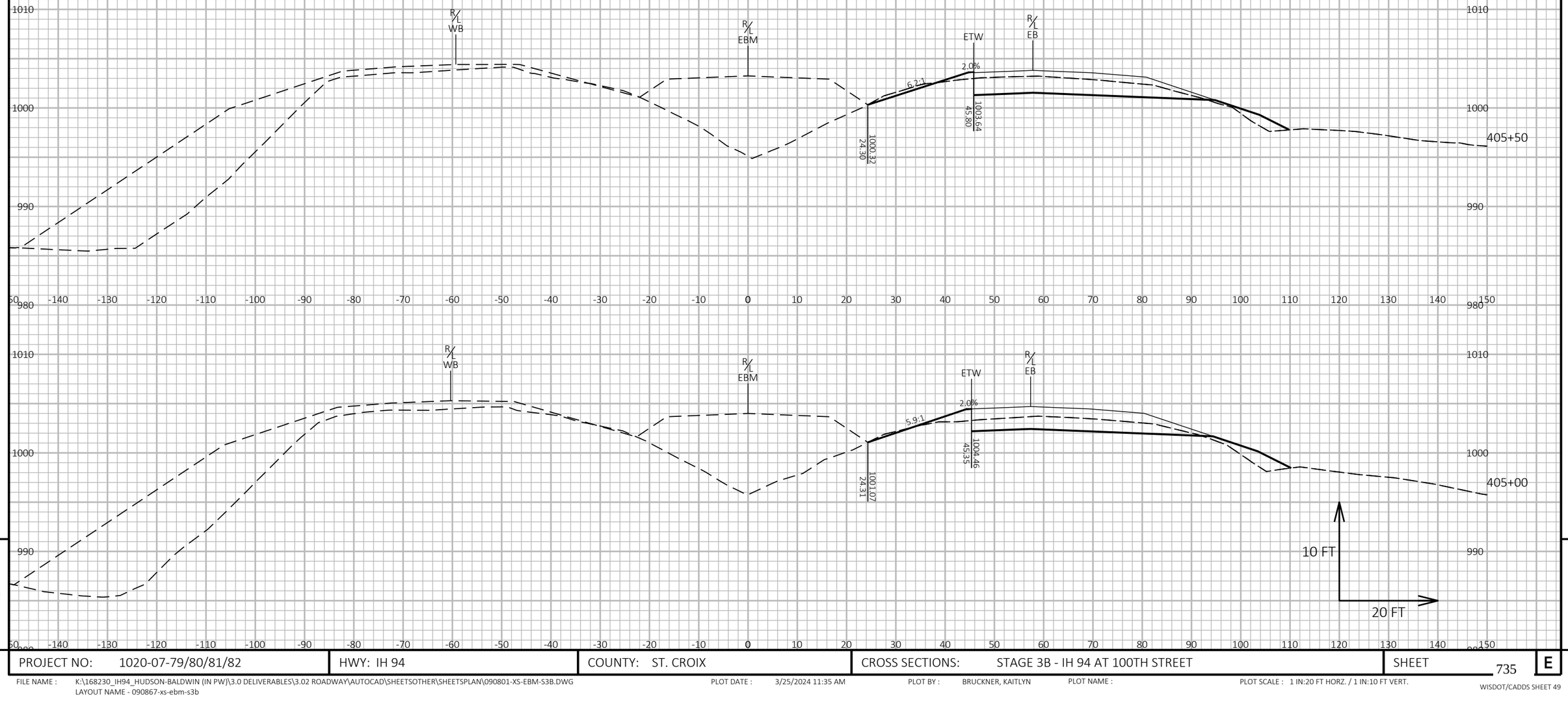


PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT 100TH STREET	SHEET 734	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090866-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:35 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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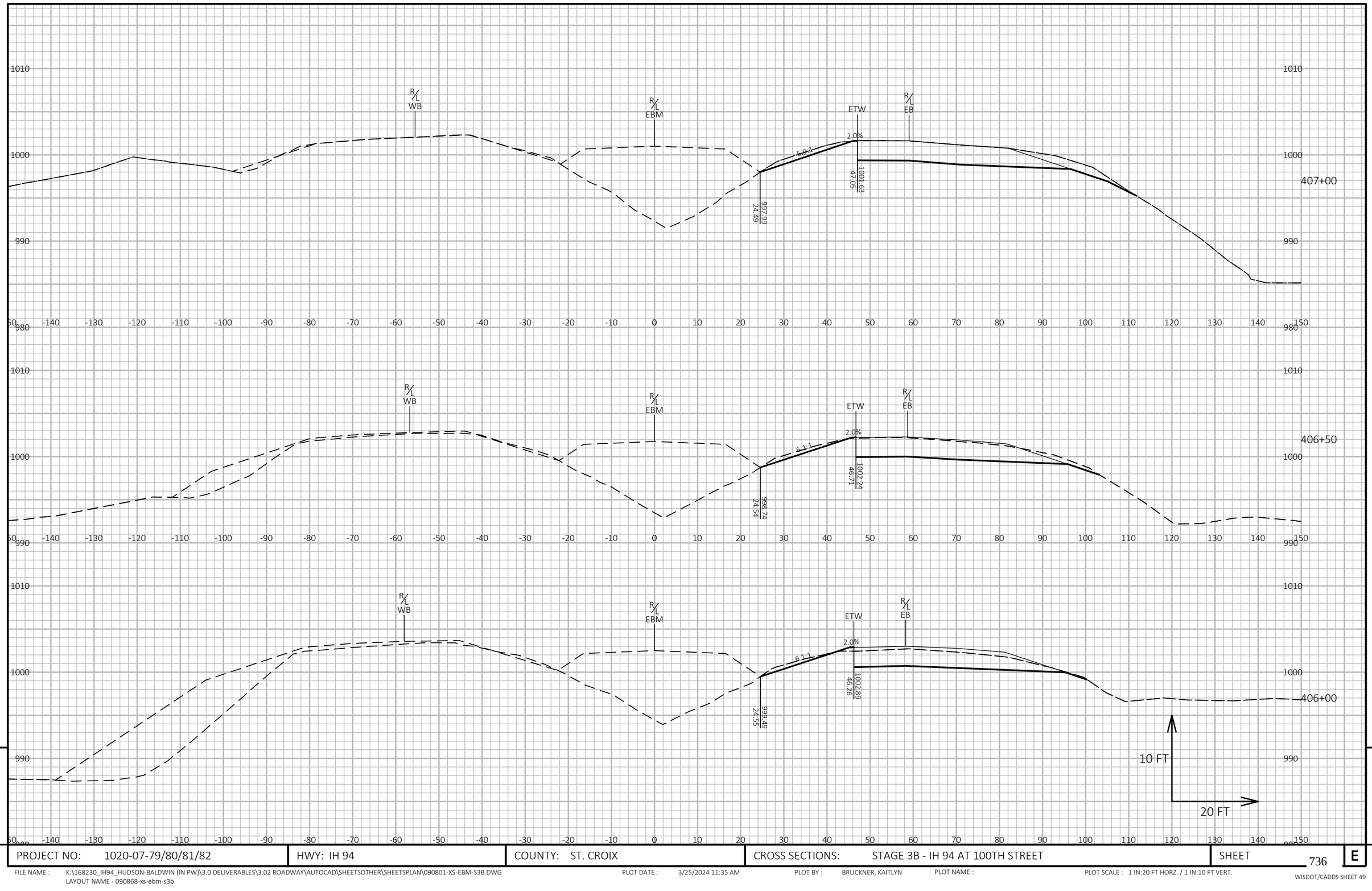
PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT 100TH STREET	SHEET 735	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090867-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:35 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1020-07-79/80/81/82	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STAGE 3B - IH 94 AT 100TH STREET	SHEET 736	E

FILE NAME : K:\168230_IH94_HUDSON-BALDWIN (IN PW)\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\SHEETSPLAN\090801-XS-EBM-S3B.DWG
LAYOUT NAME - 090868-xs-ebm-s3b

PLOT DATE : 3/25/2024 11:35 AM PLOT BY : BRUCKNER, KAITLYN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
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