EAU

PROJECT ID: 1022-07-76

COUNTY: ST. CROIX & DUNN

DECEMBER 2018

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 = 1904

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

HUDSON - MENOMONIE

STH 128 to 250TH STREET (EB & WB)

IH 94

ST. CROIX & DUNN COUNTIES

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1022-07-76	WISC 2019015	1

STATE PROJECT NUMBER
1022-07-76



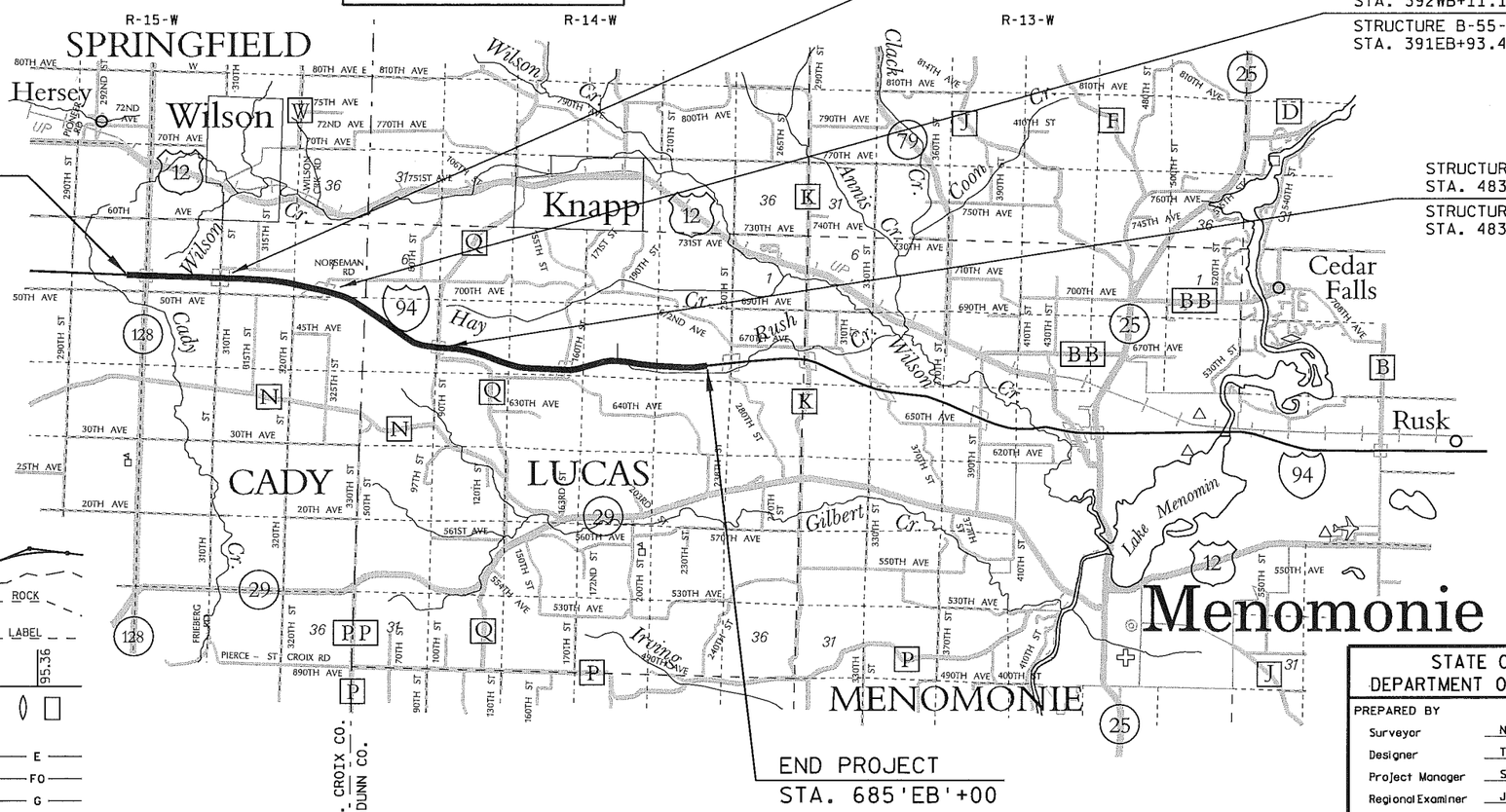
27

BEGIN PROJECT
STA. 254'EB'+50
Y = 191589.84
X = 90747.96

STRUCTURE B-55-247 W.B.
STA. 317WB+29.89
STRUCTURE B-55-248 E.B.
STA. 317EB+29.50

STRUCTURE B-55-245 W.B.
STA. 392WB+11.11
STRUCTURE B-55-246 E.B.
STA. 391EB+93.48

STRUCTURE B-17-215 W.B.
STA. 483WB+87.65
STRUCTURE B-17-214 E.B.
STA. 483EB+93.97



END PROJECT
STA. 685'EB'+00

DESIGN DESIGNATION

A.A.D.T.	(2019)	=	36,200
A.A.D.T.	(2039)	=	45,000
D.H.V.	(2039)	=	4,725
D.D.		=	58/42
T. (DHV)		=	16.3%
DESIGN SPEED		=	70 MPH
ESALS		=	43,168,500

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

PROFILE

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

UTILITIES

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

LAYOUT
SCALE 0 1 MI.

TOTAL NET LENGTH OF CENTERLINE = 8.113 MI. EB
TOTAL NET LENGTH OF CENTERLINE = 8.150 MI. WB
PROJECT TOTAL = 16.263 MI.

Coordinates on this plan are referenced to the Wisconsin County Coordinate System (WCCS), Dunn County.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	NORTHWEST REGION
Designer	TOM ANDERSON
Project Manager	STACIE LAMBELE
Regional Examiner	JENNIFER OLDENBURG
Regional Supervisor	NICOLE PASSUELLO
C.O. Examiner	

APPROVED FOR THE DEPARTMENT
DATE: 7/31/18 Nicole Passuello (Signature)

E

LIST OF STANDARD ABBREVIATIONS

ABUT.	ABUTMENT
AGG.	AGGREGATE
AH.	AHEAD
APPROX.	APPROXIMATE
A.E.W.	APRON ENDWALL
ASPH.	ASPHALTIC
A.D.T.	AVERAGE DAILY TRAFFIC
AZ.	AZIMUTH
BK.	BACK
BEG.	BEGIN
B.M.	BENCH MARK
C/L	CENTER LINE
CONC.	CONCRETE
CONST.	CONSTRUCTION
CO.	COUNTY
C.T.H.	COUNTY TRUNK HIGHWAY
X-SEC.	CROSS SECTION
CR.	CRUSHED
CFS	CUBIC FEET/SECOND
C.Y., CU. YD.	CUBIC YARD
CULV.	CULVERT
C.P.	CULVERT PIPE
D.O.T.	DEPARTMENT OF TRANSPORTATION
D.H.V.	DESIGN HOUR VOLUME
DIA.	DIAMETER
D.	DIRECTIONAL DISTRIBUTION
DISCH. OR DIS.	DISCHARGE
EA.	EACH
ELECT.	ELECTRIC
EL. OR ELEV.	ELEVATION
EMB.	EMBANKMENT
E.B.S.	EXCAVATION BELOW SUBGRADE
EXIST.	EXISTING
FERT.	FERTILIZE
F.E.	FIELD ENTRANCE
FIN.	FINISHED
FT.	FOOT
F.L.	FLOW LINE
GA.	GAUGE
HORIZ.	HORIZONTAL
CWT.	HUNDREDWEIGHT
INL.	INLET
LT.	LEFT
L.H.F.	LEFT-HAND FORWARD
LIN.	LINEAR
LIN. FT.	LINEAR FOOT
L.S.	LUMP SUM
MAX.	MAXIMUM
MI.	MILE
MISC.	MISCELLANEOUS
N.E.	NORTH EAST
N.W.	NORTH WEST
PAV'T	PAVEMENT
P.C.	POINT OF CURVATURE
P.I.	POINT OF INTERSECTION
P.T.	POINT OF TANGENCY
P.O.T.	POINT ON TANGENT
LB.	POUND
P.E.	PRIVATE ENTRANCE
PROJ.	PROJECT
R.	RANGE
REQ'D	REQUIRED
RT.	RIGHT
R.H.F.	RIGHT-HAND FORWARD
R/W	RIGHT OF WAY
RD.	ROAD
SHR.	SHRINKAGE
SL.	SLOPE
STD.	STANDARD
S.D.D.	STANDARD DETAIL DRAWINGS
S.T.H.	STATE TRUNK HIGHWAY
STA.	STATION
S.P.P.A.	STRUCTURAL PLATE PIPE ARCH
STRUCT.	STRUCTURE
SURF.	SURFACE
TEL.	TELEPHONE
TN.	TOWN
T.	TRUCKS (PERCENT OF)
UNCL.	UNCLASSIFIED
U.G.	UNDERGROUND
V.	VELOCITY OR DESIGN SPEED
V.C.	VERTICAL CURVE

UTILITIES

COMMUNICATIONS LINE

CENTURYLINK
KYLE SCHLAMPP
20 S WILSON AVE.
RICE LAKE, WI 54868
715-234-5573 (OFFICE)
715-292-0082 (MOBILE)
kyle.schlampp@centurylink.com

AT&T WISCONCIN
RICK PODOLAK
304 SOUTH DEWEY ST, 4TH FLOOR
EAU CLAIRE, WI 54701
715-839-5565 (OFFICE)
715-410-0656 (MOBILE)
rp4514@att.com

CENTURYLINK COMMUNICATIONS
BOB STRONG
5480 FELTL RD
MINNETONKA, MN 55343
952-351-2353 (OFFICE)
612-805-6827 (MOBILE)
bob.strong@centurylink.com

LEVEL 3 COMMUNICATIONS
BOB STRONG
5480 FELTL RD
MINNETONKA, MN 55343
952-351-2353 (OFFICE)
612-805-6827 (MOBILE)
bob.strong@centurylink.com
COPY ALL CORRESPONDENCE TO:
Level3.networkrelocations@level3.com

AT&T LEGACY
BRAD KEMPH (LOCATOR)
715-254-5238
COPY ALL CORRESPONDENCE TO:
BILL KOENIG (ENGINEER)
JMC ENGINEERS & ASSOCIATES
128 W SUNSET AVENUE
APPLETON, WI 54911
608-628-0575 (MOBILE)
wekoenig@att.net

ELECTRICITY - DISTRIBUTION

DUNN ENERGY COOPERATIVE
MIKE ANDRASCHKO
N5725 600TH STREET
PO BOX 220
MENOMONIE, WI 54751-0220
715-232-6240 (OFFICE)
mandra@dunnenergy.com

XCEL ENERGY
MIKE JOHNSEN
320 HELLER ROAD
MENOMONIE, WI 54751
715-232-7415 (OFFICE)
715-577-7428 (MOBILE)
michael.a.johnsen@xcelenergy.com
COPY ALL CORRESPONDENCE TO:
DAWN SCHULTZ
1414 W HAMILTON AVE
PO BOX 8
EAU CLAIRE, WI 54702-0008
715-737-2482 (OFFICE)
dawn.schultz@xcelenergy.com

ST CROIX ELECTRIC COOPERATIVE
ROB DOOLEY
1925 RIDGEWAY ST.
PO BOX 108
HAMMOND, WI 54015
715-781-2295
robd@scecnet.net

GAS

WE ENERGIES
LEWIS KNAPP
104 W SOUTH ST.
RICE LAKE, WI 54868
715-234-9604
lknapp@kapurinc.com

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

GENERAL NOTES

HORIZONTAL CONTROL POINTS AND ANY OTHER SURVEY INFORMATION WILL BE PROVIDED BY NORTHWEST REGION TECHNICAL SERVICES UPON REQUEST.

CURVE DATA IS BASED ON THE ARC DEFINITION.

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

IT IS THE CONTRACTOR'S RESPONSIBILITY TO CALL DIGGERS HOTLINE PRIOR TO BEGINNING WORK OPERATIONS.

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

DISTURBED AREAS WITHIN THE RIGHT OF WAY ARE TO BE FERTILIZED, SEEDED AND MULCHED AS DIRECTED BY THE ENGINEER.

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

WETLANDS MAY EXIST IN LOCATIONS THAT ARE NOT SHOWN ON THE PLANS. DO NOT STAGE IN OR DISTURB WETLAND AREAS.

A SHRINKAGE FACTOR OF 33% WAS USED IN BALANCING EARTHWORK. ACTUAL SHRINKAGE ENCOUNTERED IN THE FIELD MAY VARY.

EXCAVATION BELOW SUBGRADE (EBS) IS NOT SHOWN ON THE CROSS SECTIONS, BUT IS MEASURED AND PAID FOR AS EXCAVATION COMMON. THE LOCATIONS AND LIMITS FOR EBS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

WHEN THE QUANTITY 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.

IF EXISTING PIPE UNDERDRAIN IS EXPOSED DURING EXCAVATION BELOW SUBGRADE IN THE INTERSTATE 94 MEDIAN, MAINTAIN THE FUNCTIONALITY AND REPAIR ANY DAMAGE TO THE EXISTING SYSTEM AS DIRECTED BY THE ENGINEER.

WISCONSIN DNR CONTACT

AMY LESIK
DEPARTMENT OF NATURAL RESOURCES
WEST CENTRAL REGION HDQTRS
1300 W CLAIREMONT AVENUE
PO BOX 4001
EAU CLAIRE, WI 54701-4001
(715) 836-6571

ORDER OF SECTION 2 SHEETS

Project Overview
Typical Sections
Construction/Plan Details
FTMS Plans
Erosion Control
Permanent Signing
Pavement Marking
Traffic Control and Construction Staging
Fencing and Median Cable Barrier
Soil Borings for Cable Barrier Anchors
Alignment Data

BEGIN PROJECT 1022-07-76
STA 254'EB'+50 IH 94

END PROJECT 1022-07-76
STA 685'EB'+00 IH 94

N

STH 128 INTCHG

RAMP 'A'
RAMP 'B'
RAMP 'C'
RAMP 'D'

EXISTING STRUCTURE
B-55-266 (TO REMAIN)

310th ST

STRUCTURES
B-55-0247 WB
B-55-0248 EB

50th AVE

STRUCTURES
B-55-0245 WB
B-55-0246 EB

CTH "Q" INTCHG

'NW' RAMP
'NE' RAMP
'SW' RAMP
'SE' RAMP

STRUCTURES
B-17-0215 WB
B-17-0214 EB

ST. CROIX CO.
DUNN CO.

160th ST

KNAPP
HILL

EXISTING STRUCTURE
B-17-20 (TO REMAIN)

250th ST

CTH "K"

650th AVE

390th ST

WILSON CR.

STH 25 INTCHG

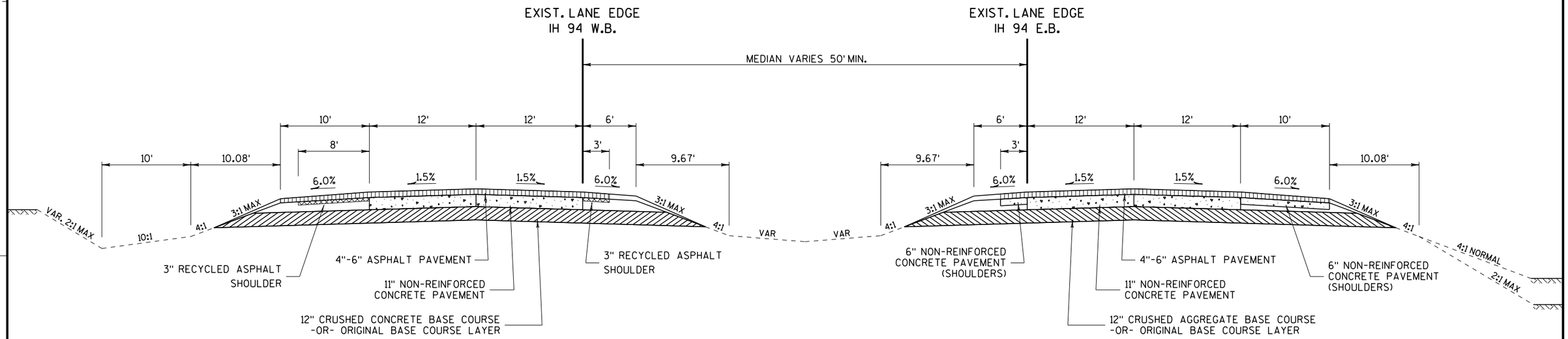
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0 1 2

SCALE, MILES

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PROJECT OVERVIEW	SHEET 3	E

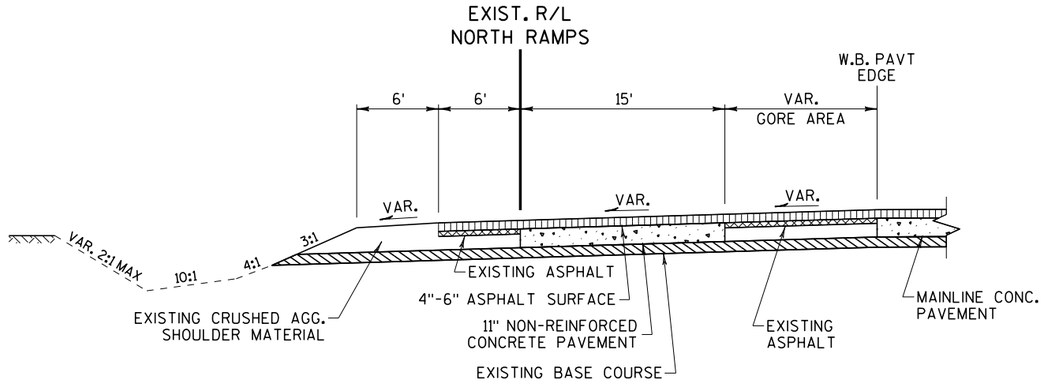
2



EXISTING TYPICAL SECTION - IH 94

STH 128 to 250TH STREET

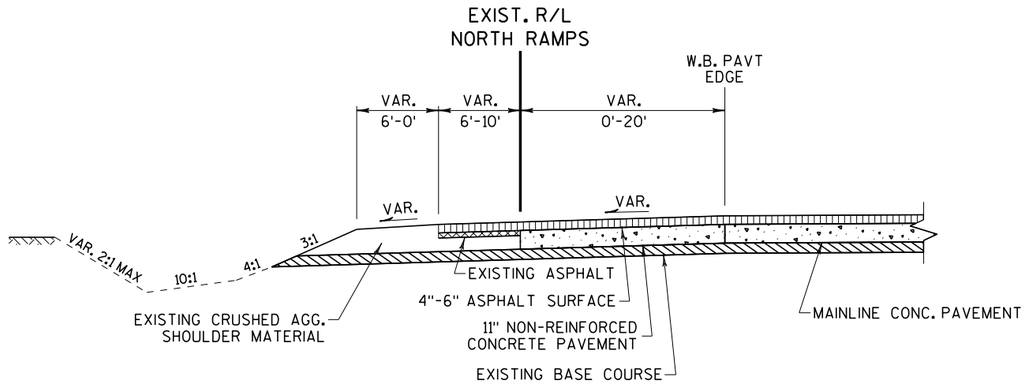
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	EXISTING TYPICAL SECTIONS	SHEET 4	E



EXISTING TYPICAL NORTH RAMPS/GORE AREA

(LOOKING EAST)

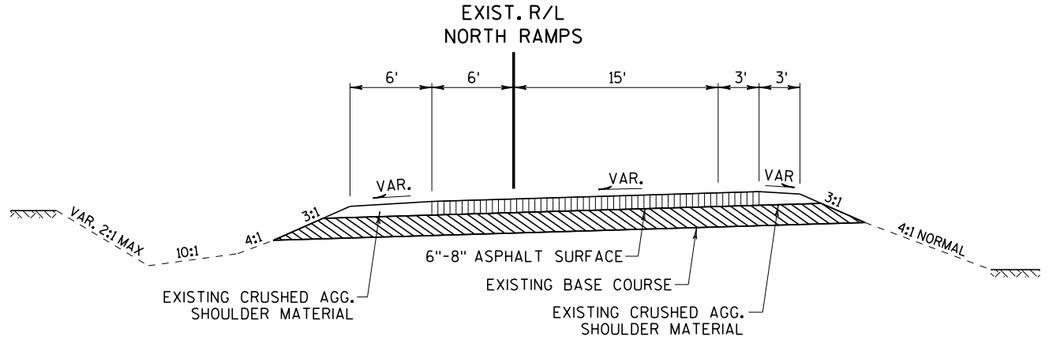
STA. 272+00 to STA. 274+10 RAMP 'C'(NE) STH 128 INTCHG
STA. 473+40 to STA. 476+50 NW RAMP CTH Q INTCHG
STA. 491+00 to STA. 492+80 NE RAMP CTH Q INTCHG



EXISTING TYPICAL NORTH RAMP TAPERS

(LOOKING EAST)

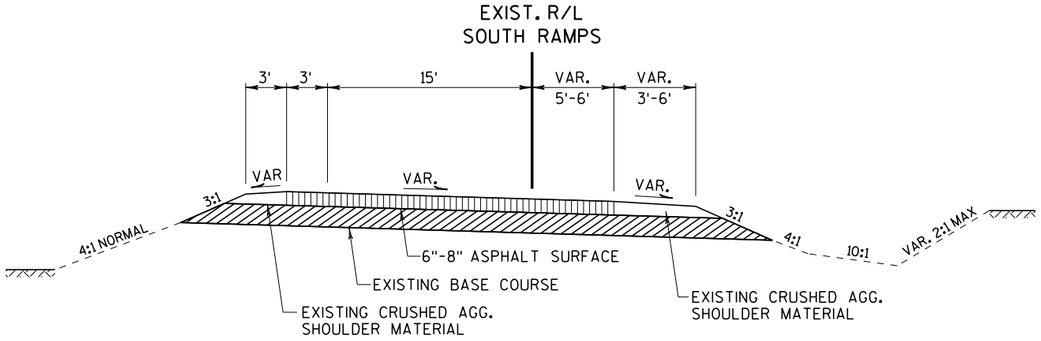
STA. 274+10 to STA. 281+00 RAMP 'C'(NE) STH 128 INTCHG
STA. 463+40 to STA. 473+40 NW RAMP CTH Q INTCHG
STA. 492+80 to STA. 499+75 NE RAMP CTH Q INTCHG



EXISTING TYPICAL NORTH RAMP SECTION

(LOOKING EAST)

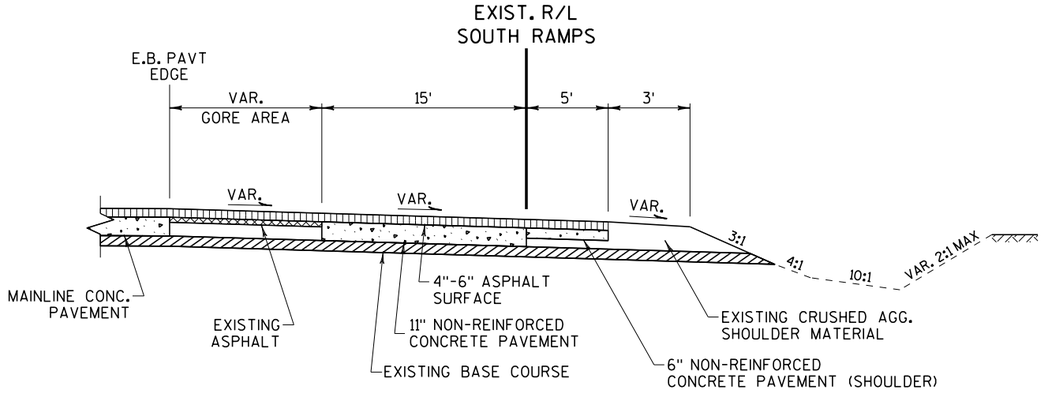
STA. 270+21.41 to STA. 272+00 RAMP 'C'(NE) STH 128 INTCHG
STA. 476+50 to STA. 483+83.78 NW RAMP CTH Q INTCHG
STA. 483+43.71 to STA. 491+00 NE RAMP CTH Q INTCHG



EXISTING TYPICAL SOUTH RAMP SECTION

(LOOKING EAST)

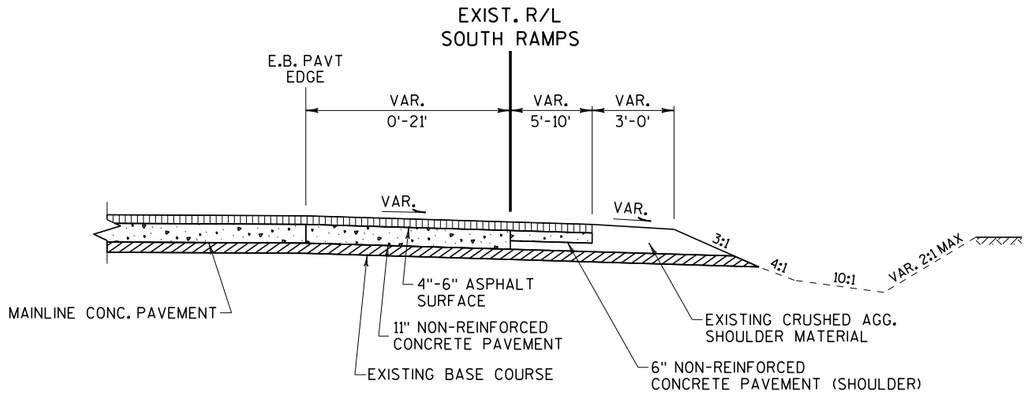
STA. 267+86.61 to STA. 272+50 RAMP 'D'(SE) STH 128 INTCHG
STA. 474+00 to STA. 484+48.14 SW RAMP CTH Q INTCHG
STA. 484+03.16 to STA. 492+50 SE RAMP CTH Q INTCHG



EXISTING TYPICAL SOUTH RAMPS/GORE AREA

(LOOKING EAST)

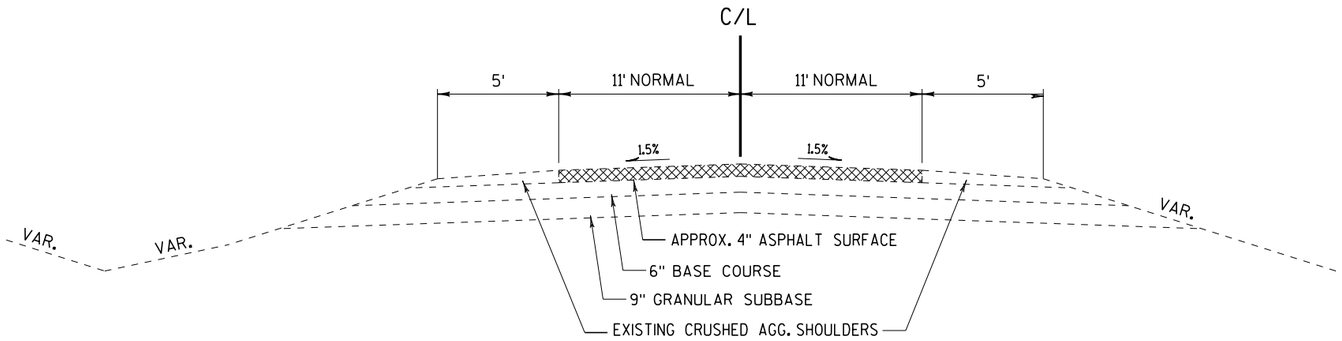
STA. 272+50 to STA. 275+00 RAMP 'D'(SE) STH 128 INTCHG
STA. 472+00 to STA. 474+00 SW RAMP CTH Q INTCHG
STA. 492+50 to STA. 495+00 SE RAMP CTH Q INTCHG



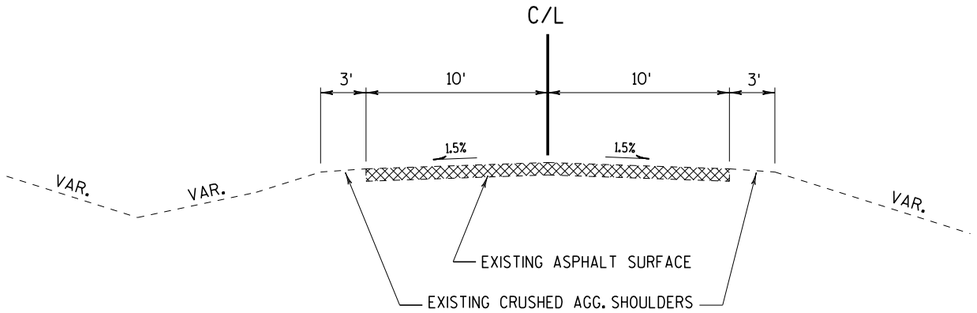
EXISTING TYPICAL SOUTH RAMP TAPERS

(LOOKING EAST)

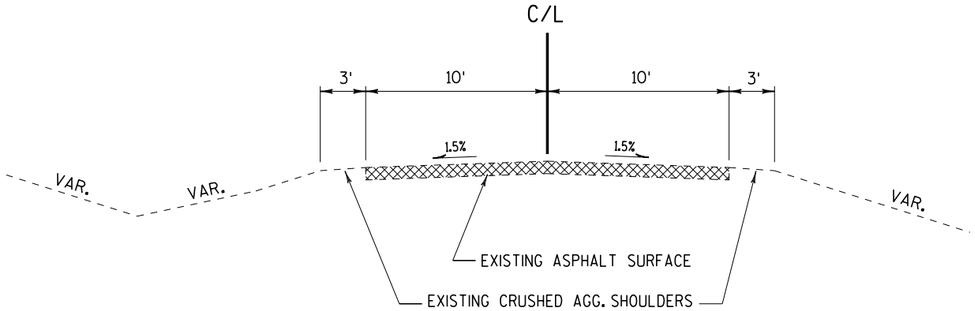
STA. 275+00 to STA. 285+50 RAMP 'D'(SE) STH 128 INTCHG
STA. 465+00 to STA. 472+00 SW RAMP CTH Q INTCHG
STA. 495+00 to STA. 505+75 SE RAMP CTH Q INTCHG



EXISTING TYPICAL SECTION
CTH Q

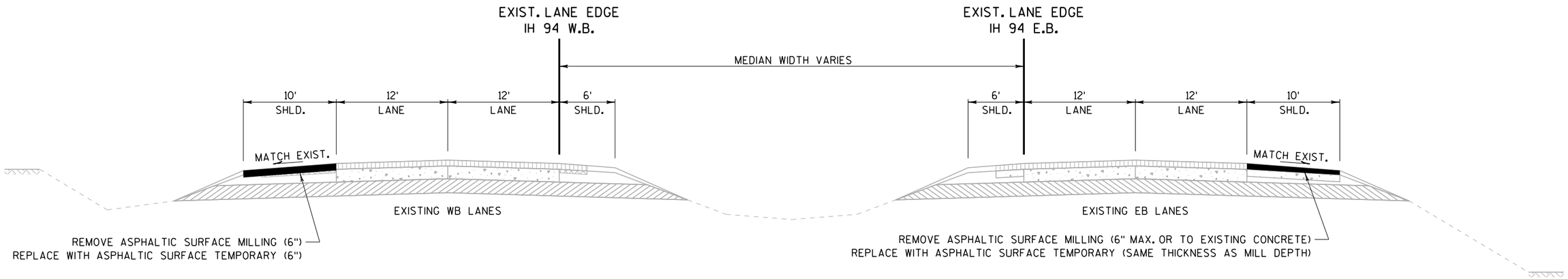


EXISTING TYPICAL SECTION
310th STREET



EXISTING TYPICAL SECTION
50th AVENUE

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	EXISTING TYPICAL SECTIONS	SHEET 7	E



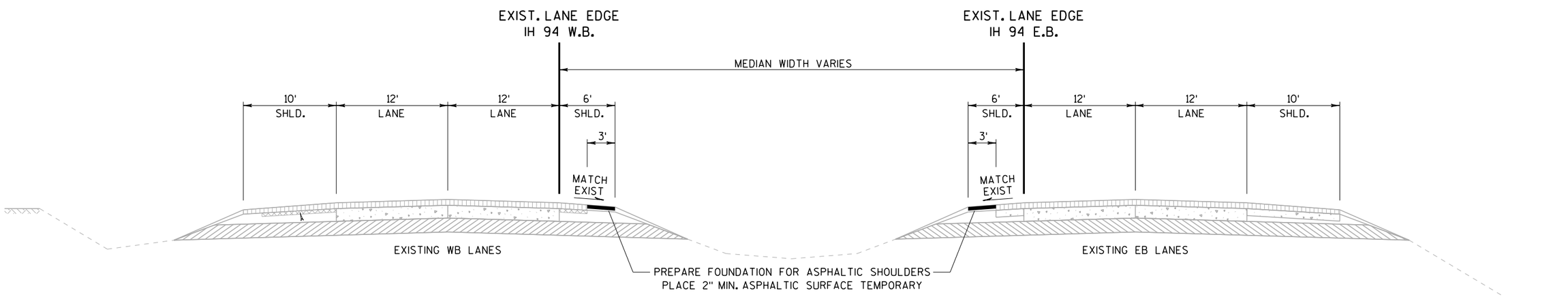
MILL & RESURFACE OUTSIDE SHOULDERS
REQ'D. FOR TEMPORARY TRAFFIC

INTERMEDIATE/FINISHED TYPICAL SECTION - IH 94
REQ'D. FOR STAGES 4,5,6&7

WB LANES
STA 216+80 to STA 252+25
STA 251+78 to STA 254+50
STA 566+60 to STA 572+65
STA 572+65 to STA 666+00

INTERMEDIATE/FINISHED TYPICAL SECTION - IH 94
REQ'D. FOR STAGES 2,3,6,7&8

EB LANES
STA 207+22 to STA 243+00
STA 274+01 to STA 289+76
STA 397+78 to STA 452+56
STA 504+30 to STA 572+61
STA 572+61 to STA 660+00



WIDEN INSIDE SHOULDER PAVEMENT
REQ'D. FOR PLACEMENT OF
TEMPORARY CONCRETE BARRIER

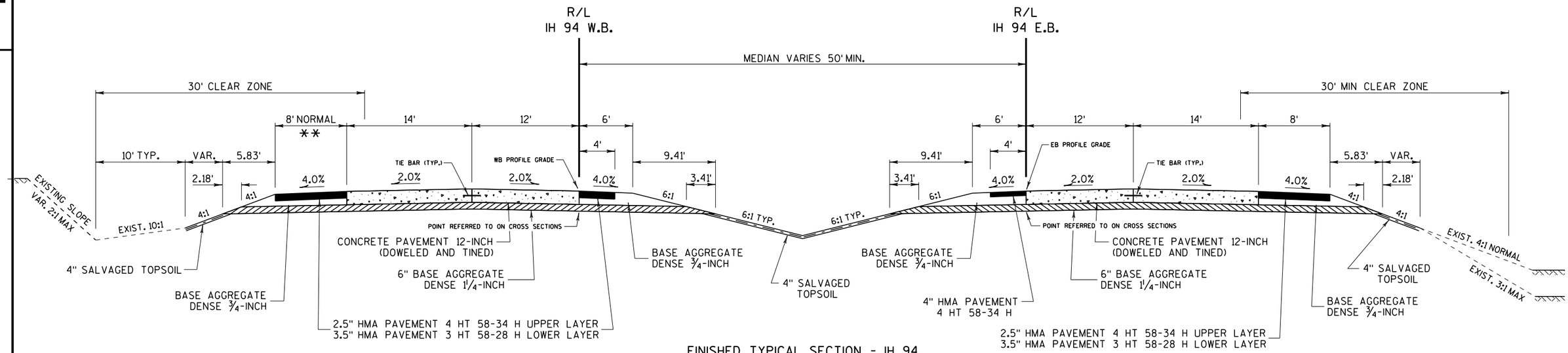
INTERMEDIATE TYPICAL SECTION - IH 94

WB LANES
STA 216+00 to STA 455+75
STA 499+00 to STA 567+00

INTERMEDIATE TYPICAL SECTION - IH 94

EB LANES
STA 291+76 to STA 403+53

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	INTERMEDIATE/FINISHED TYPICAL SECTIONS	SHEET 8	E

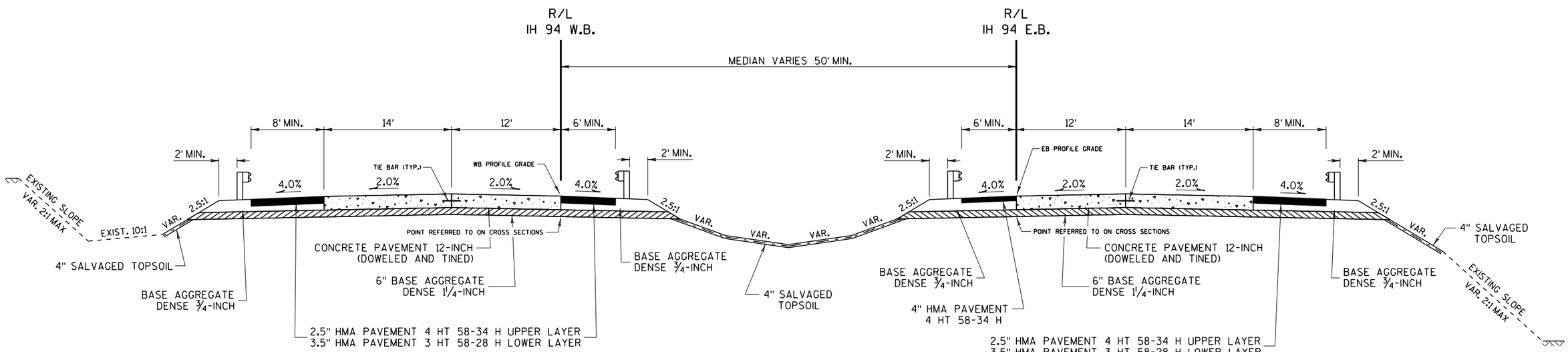


** WIDE HMA SHOULDER REQ'D. FOR TRAFFIC STAGING - WB IH 94

SHOULDER WIDTH VARIES FROM 8'-10' STA. 575WB+85.00 to STA. 590WB+73.57
SHOULDER WIDTH IS 10' TYPICAL STA. 590WB+73.57 to STA. 660WB+07.15
SHOULDER WIDTH VARIES FROM 10'-8' STA. 660WB+07.15 to STA. 678WB+93.38

FINISHED TYPICAL SECTION - IH 94

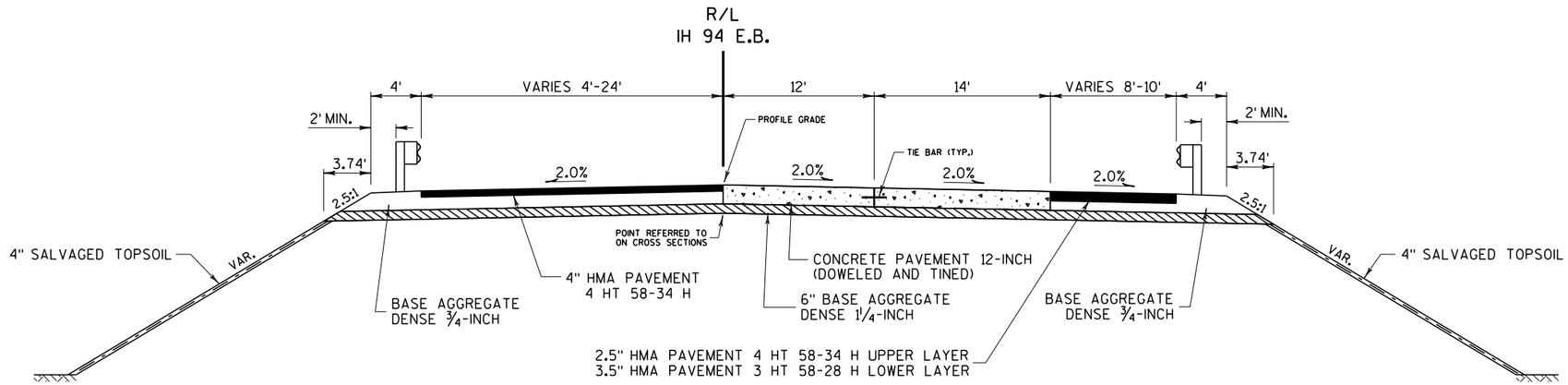
STA 254+50 to STA 685+00



FINISHED TYPICAL SECTION - IH 94

MGS GUARDRAIL

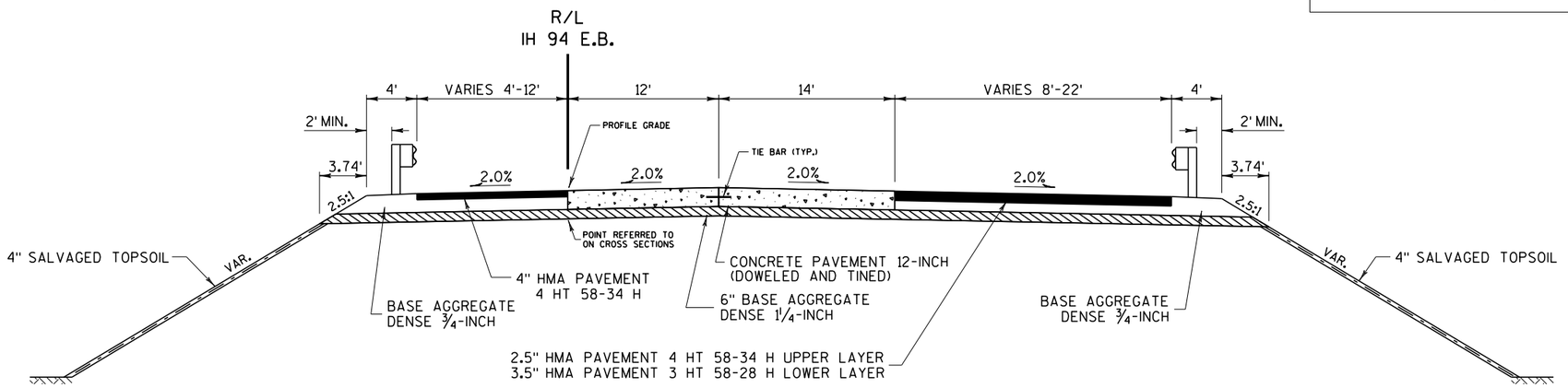
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	FINISHED TYPICAL SECTIONS	SHEET 9	E



FINISHED TYPICAL SECTION

3-LANE BRIDGE APPROACH
IH 94 over 310th STREET
IH 94 over 50th AVENUE

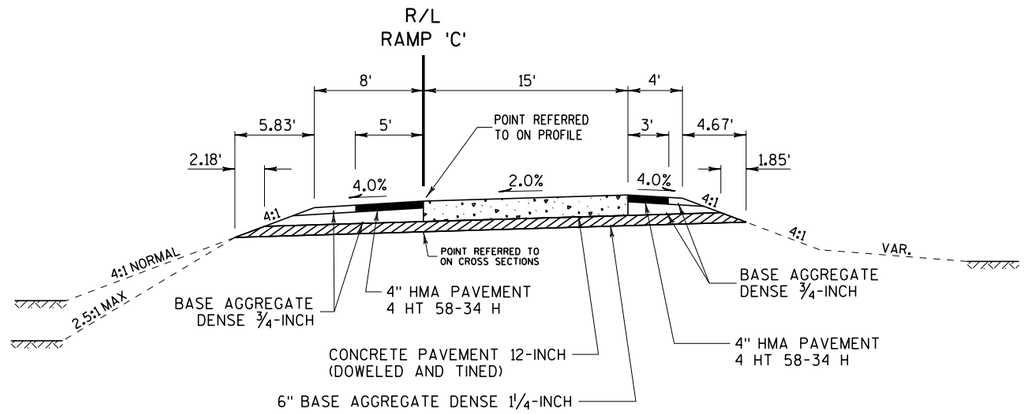
NOTE: EB SHOWN, WB IS MIRROR IMAGE.



FINISHED TYPICAL SECTION

3-LANE BRIDGE APPROACH
IH 94 over CTH Q

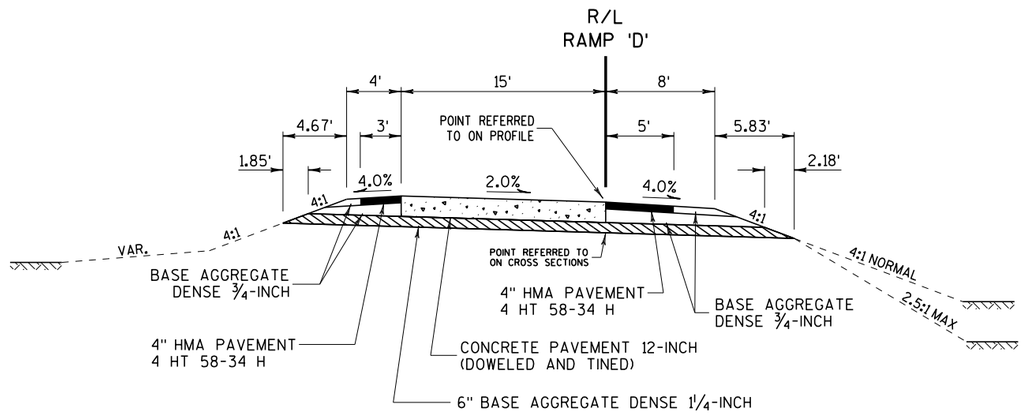
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	FINISHED TYPICAL SECTIONS - 3-LANE BRIDGE APPROACH	SHEET 10	E



FINISHED TYPICAL SECTION - STH 128 INTCHG RAMP 'C'

(LOOKING EAST)

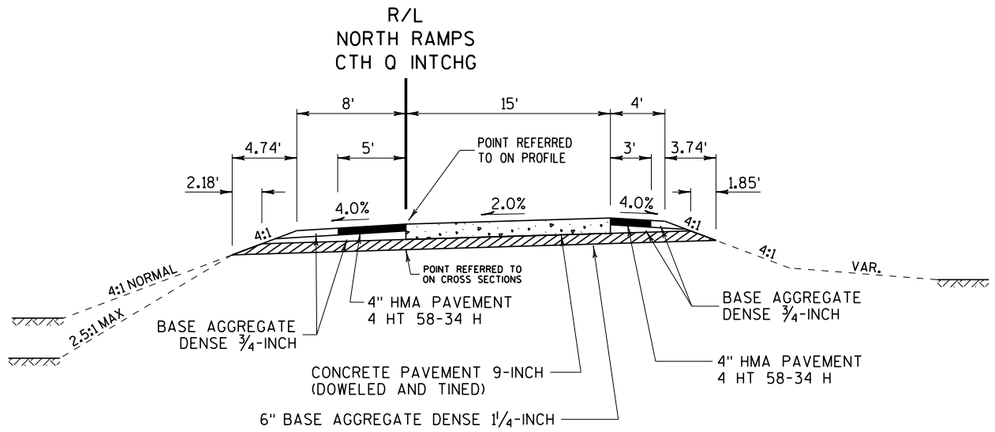
STA. 270+21.41 to STA. 272+00.00 RAMP 'C' (STH 128 INTCHG)



FINISHED TYPICAL SECTION - STH 128 INTCHG RAMP 'D'

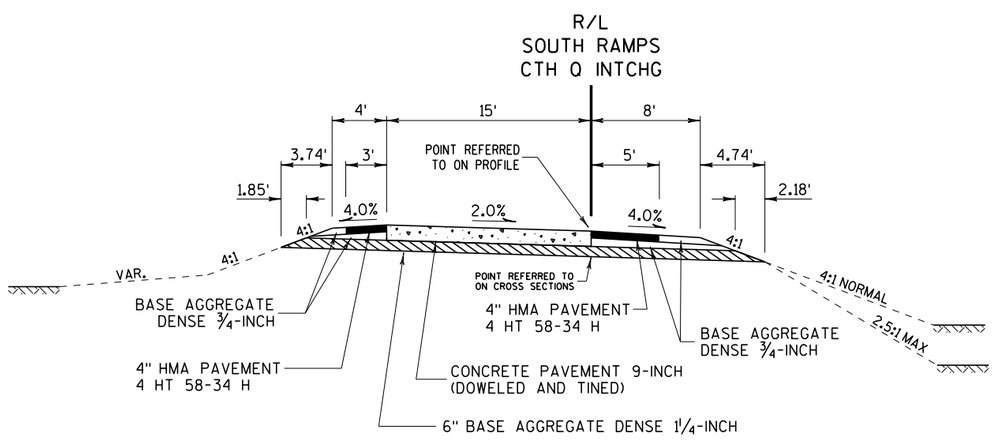
(LOOKING EAST)

STA. 267+86.61 to STA. 272+00.00 RAMP 'D' (STH 128 INTCHG)



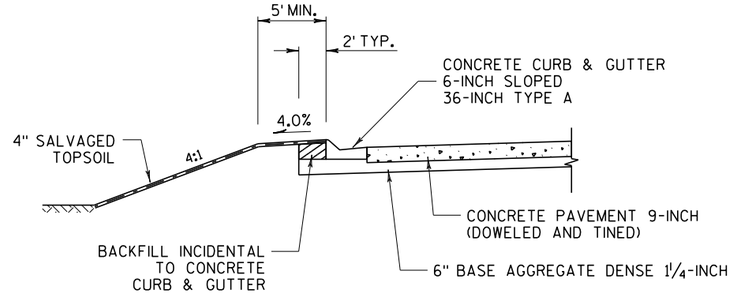
FINISHED TYPICAL SECTION - CTH Q INTCHG NORTH RAMPS
(LOOKING EAST)

STA. 476+75.00 to STA. 483+83.78 NW RAMP (CTH Q INTCHG)
STA. 483+43.71 to STA. 493+50.00 NE RAMP (CTH Q INTCHG)

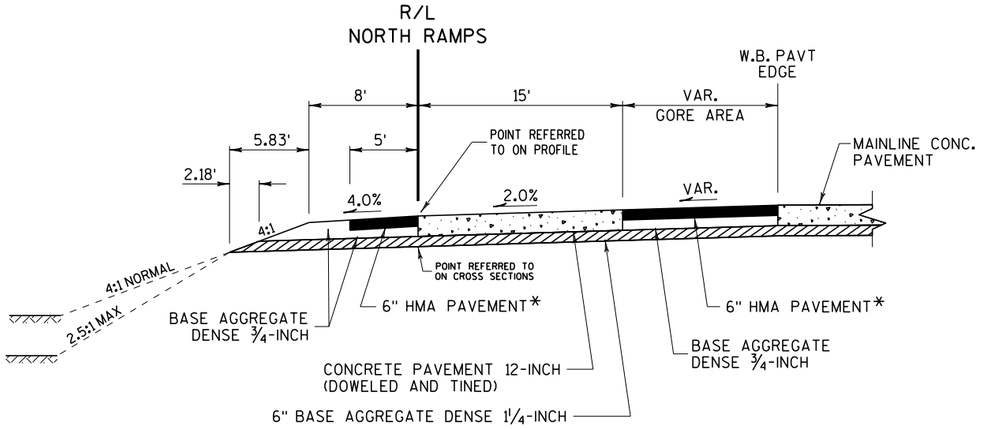


FINISHED TYPICAL SECTION - CTH Q INTCHG SOUTH RAMPS
(LOOKING EAST)

STA. 474+75.00 to STA. 484+48.14 SW RAMP (CTH Q INTCHG)
STA. 484+03.16 to STA. 492+00.00 SE RAMP (CTH Q INTCHG)



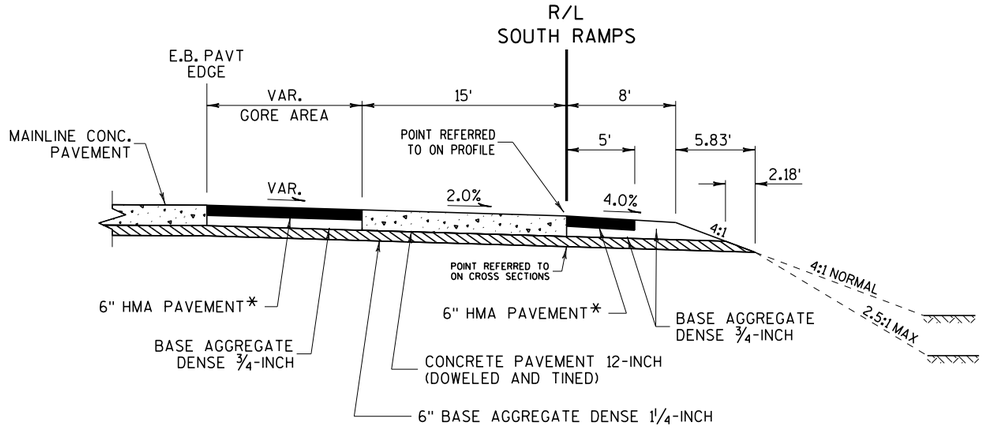
FINISHED TYPICAL CURB & GUTTER SECTION
FOR RAMP TERMINAL RADII



FINISHED TYPICAL SECTION - NORTH RAMPS/GORE AREA

(LOOKING EAST)

STA. 272+00.00 to STA. 273+96.37 RAMP 'C'(STH 128 INTCHG)
STA. 474+29.48 to STA. 476+75.00 NW RAMP (CTH Q INTCHG)
STA. 493+50.00 to STA. 496+61.96 NE RAMP (CTH Q INTCHG)

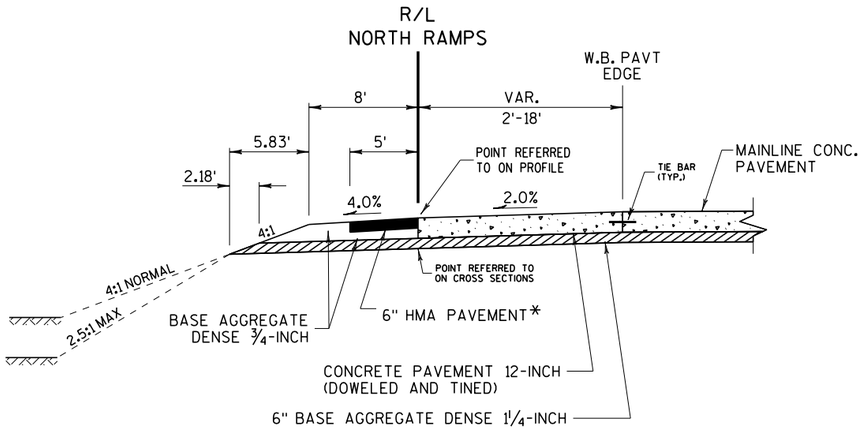


FINISHED TYPICAL SECTION - SOUTH RAMPS/GORE AREA

(LOOKING EAST)

STA. 272+00.00 to STA. 274+46.56 RAMP 'D'(STH 128 INTCHG)
STA. 472+28.98 to STA. 474+75.00 SW RAMP (CTH Q INTCHG)
STA. 492+00.00 to STA. 494+96.25 SE RAMP (CTH Q INTCHG)

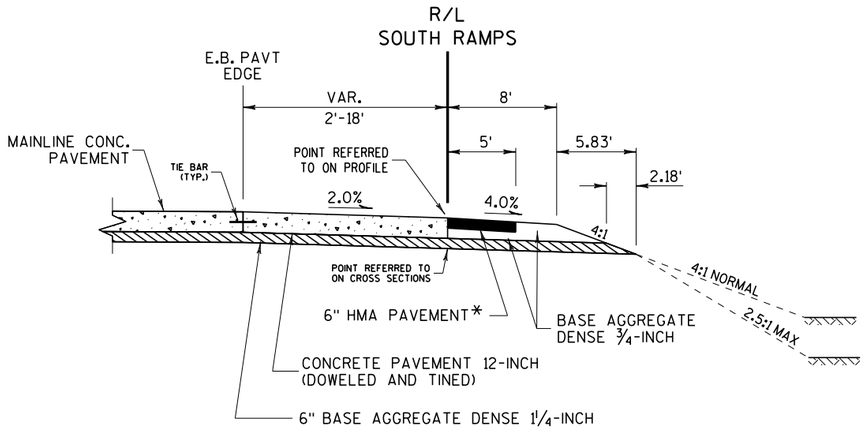
* 2.5" HMA PAVEMENT 4 HT 58-34 H UPPER LAYER
3.5" HMA PAVEMENT 3 HT 58-28 H LOWER LAYER



FINISHED TYPICAL SECTION - NORTH RAMP TAPERS

(LOOKING EAST)

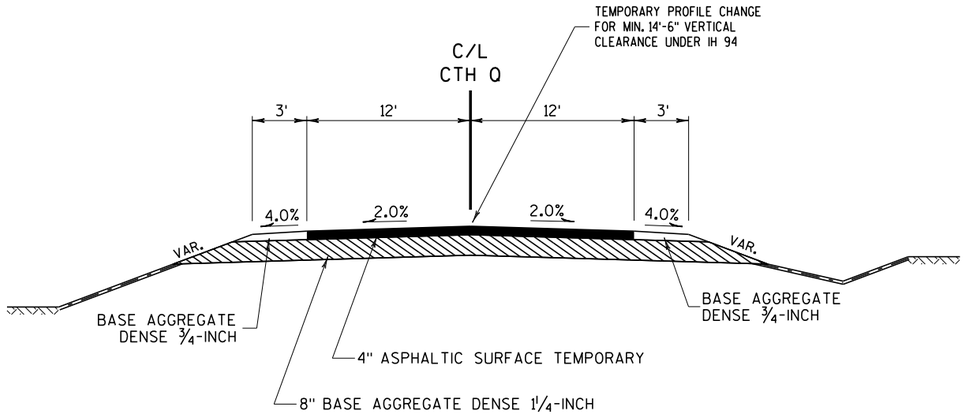
STA. 273+96.37 to STA. 281+53.73 RAMP 'C'(STH 128 INTCHG)
STA. 462+25.00 to STA. 474+29.48 NW RAMP (CTH Q INTCHG)
STA. 496+61.96 to STA. 499+00.00 NE RAMP (CTH Q INTCHG)



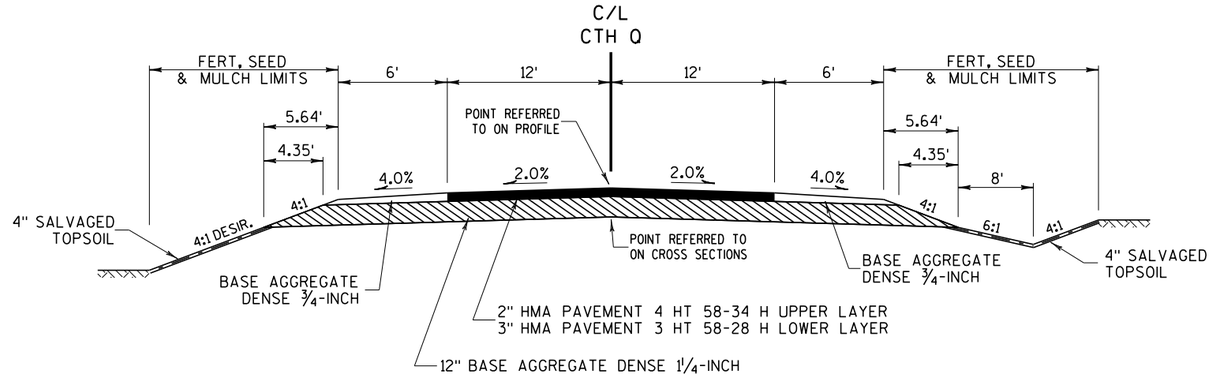
FINISHED TYPICAL SECTION - SOUTH RAMP TAPERS

(LOOKING EAST)

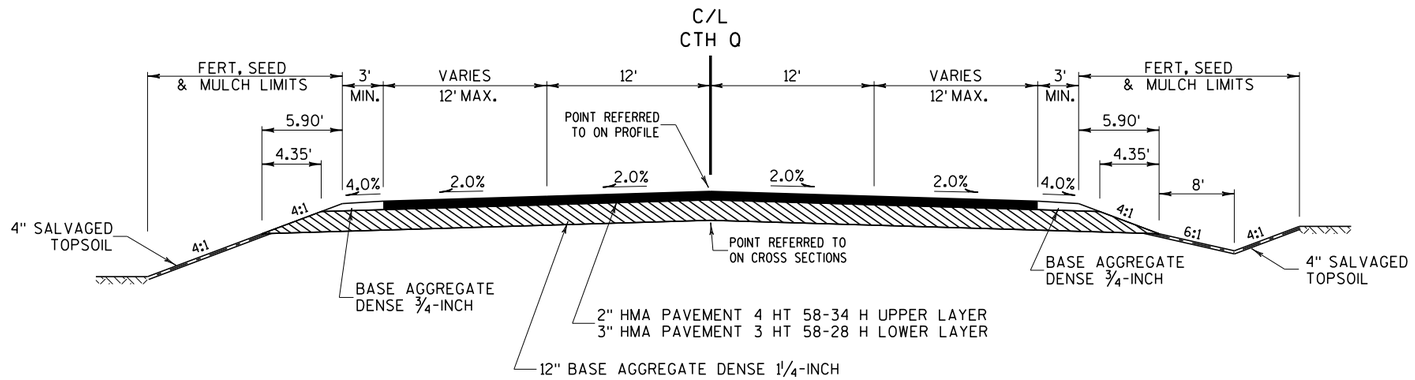
STA. 274+46.56 to STA. 286+40.00 RAMP 'D'(STH 128 INTCHG)
STA. 458+91.67 to STA. 472+28.98 SW RAMP (CTH Q INTCHG)
STA. 494+96.25 to STA. 507+00.00 SE RAMP (CTH Q INTCHG)



TYPICAL SECTION - TEMPORARY CTH Q
PROFILE CHANGE FOR WINTER SUSPENSION
STA. 10+00 to STA. 14+00



FINISHED TYPICAL SECTION - CTH Q
STA. 8+00 to STA. 16+20.93

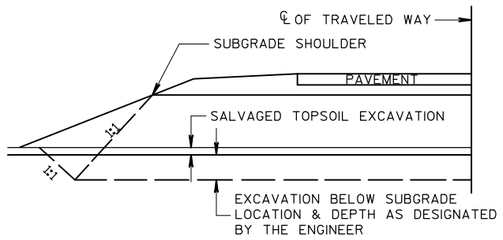


FINISHED TYPICAL SECTION - CTH Q
WITH TURN LANES/TAPERS

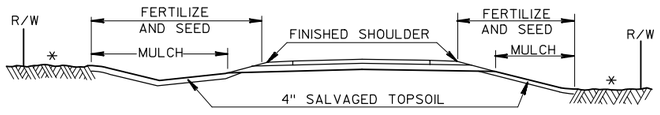
LEFT
STA. 8+09.88 to STA. 9+09.88
STA. 13+05.00 to STA. 16+20.93

RIGHT
STA. 8+00.00 to STA. 11+20.00
STA. 15+20.93 to STA. 16+20.93

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	FINISHED TYPICAL SECTIONS	SHEET 14	E



DETAIL FOR EXCAVATION BELOW SUBGRADE

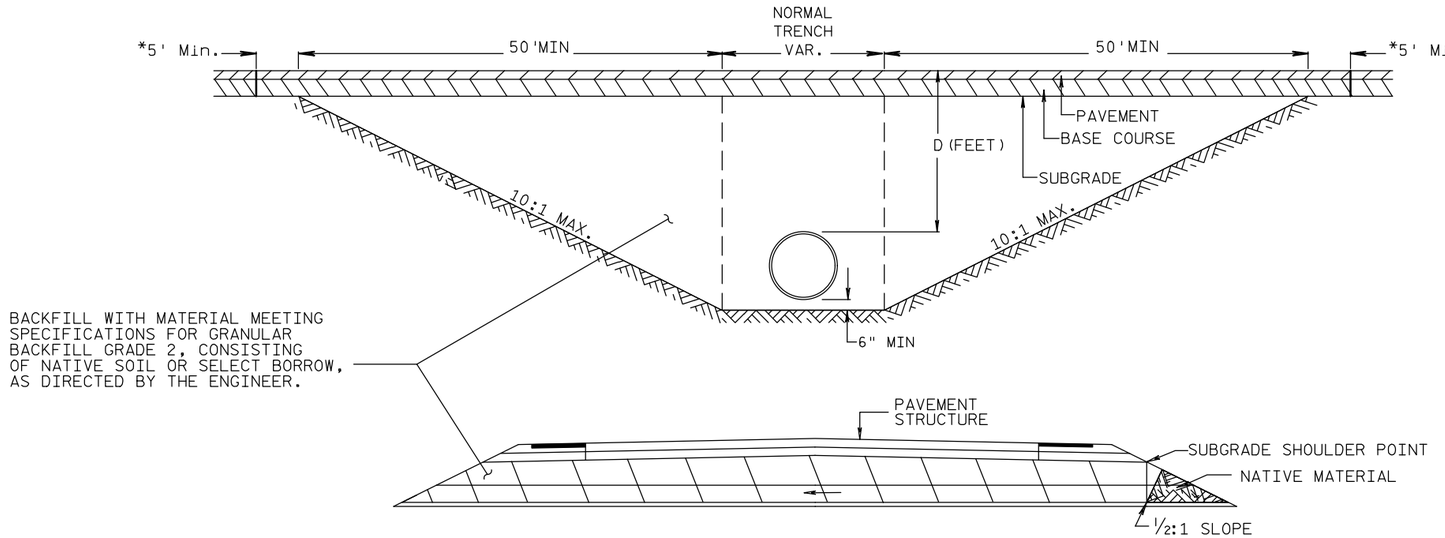


DETAIL FOR FINISHING ITEMS

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											

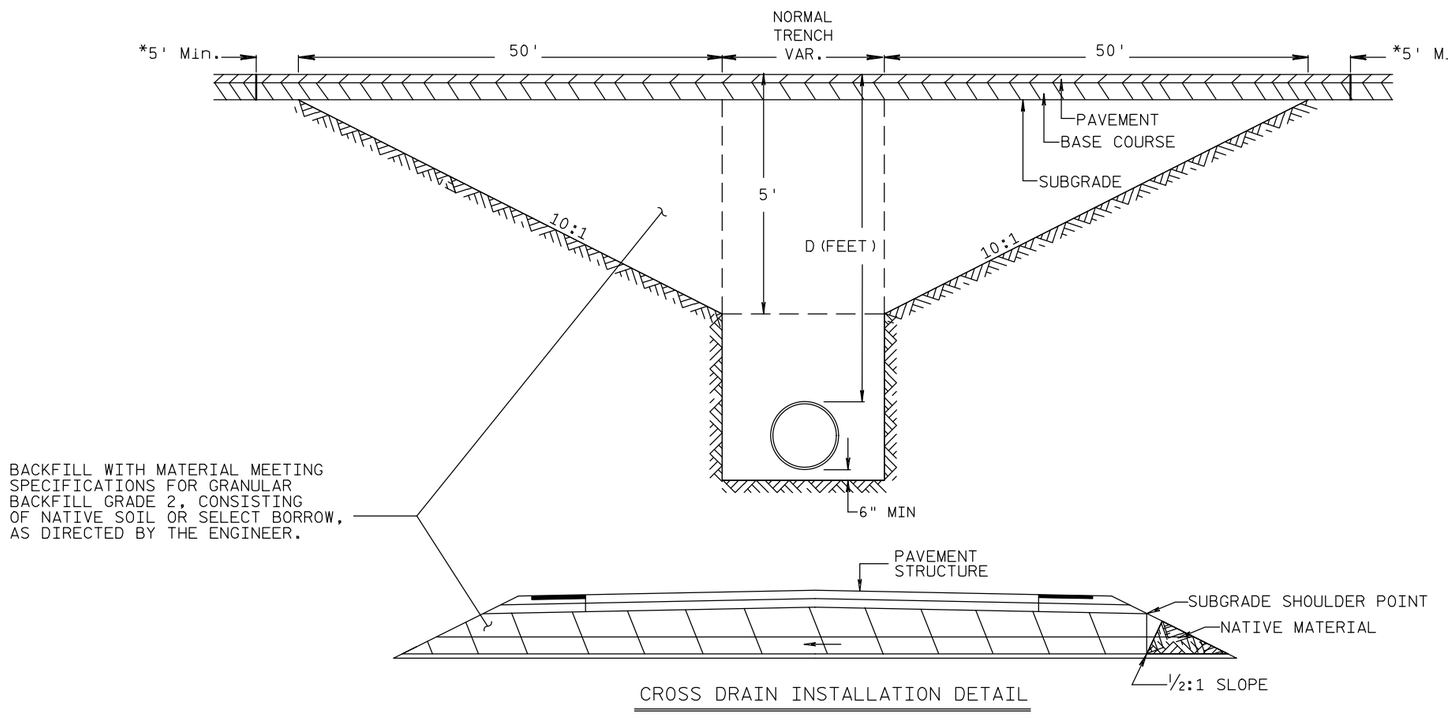
TOTAL PROJECT AREA = 543 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 214 ACRES



CROSS DRAIN INSTALLATION DETAIL

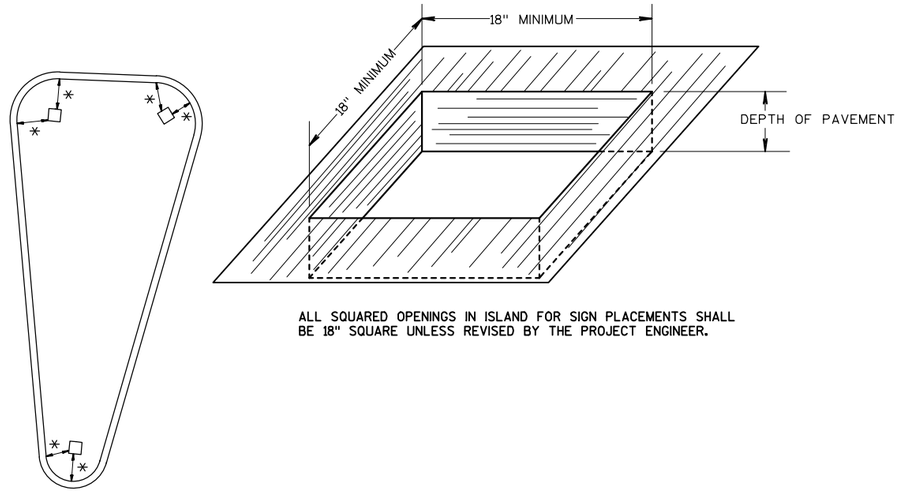
FOR D ≤ 5'

* PAVEMENT REMOVAL LIMITS (TYP.)



CROSS DRAIN INSTALLATION DETAIL

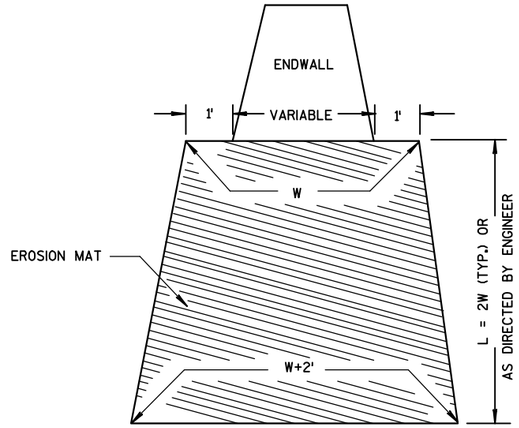
FOR D ≥ 5'



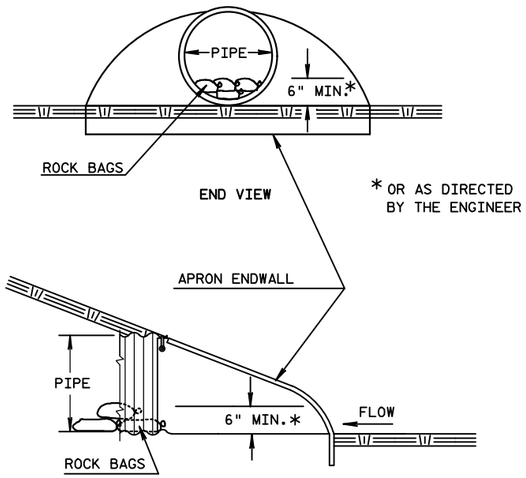
ALL SQUARED OPENINGS IN ISLAND FOR SIGN PLACEMENTS SHALL BE 18" SQUARE UNLESS REVISED BY THE PROJECT ENGINEER.

DETAIL OF OPENINGS IN ISLAND FOR SIGN PLACEMENT

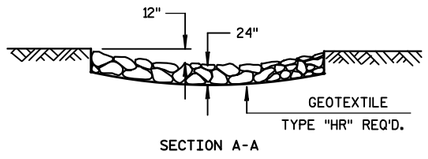
* NOTE: ALL SQUARED OPENINGS IN ISLAND FOR SIGN PLACEMENTS SHALL BE DETERMINED BY SIGN SIZE AND NUMBER. A 2" MINIMUM FROM BACK OF CURB IS REQUIRED.

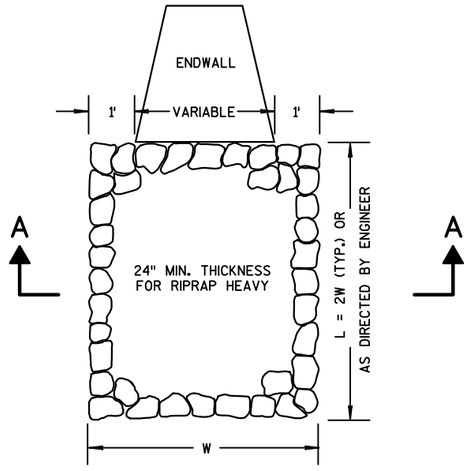


EROSION MAT TREATMENT AT CULVERTS

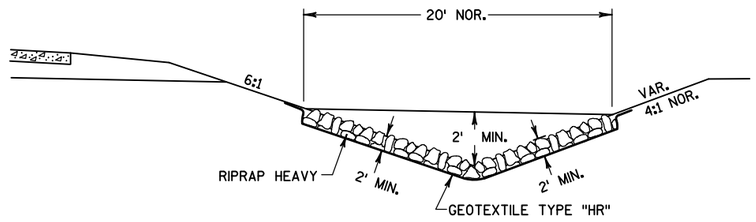


CULVERT PIPE CHECK

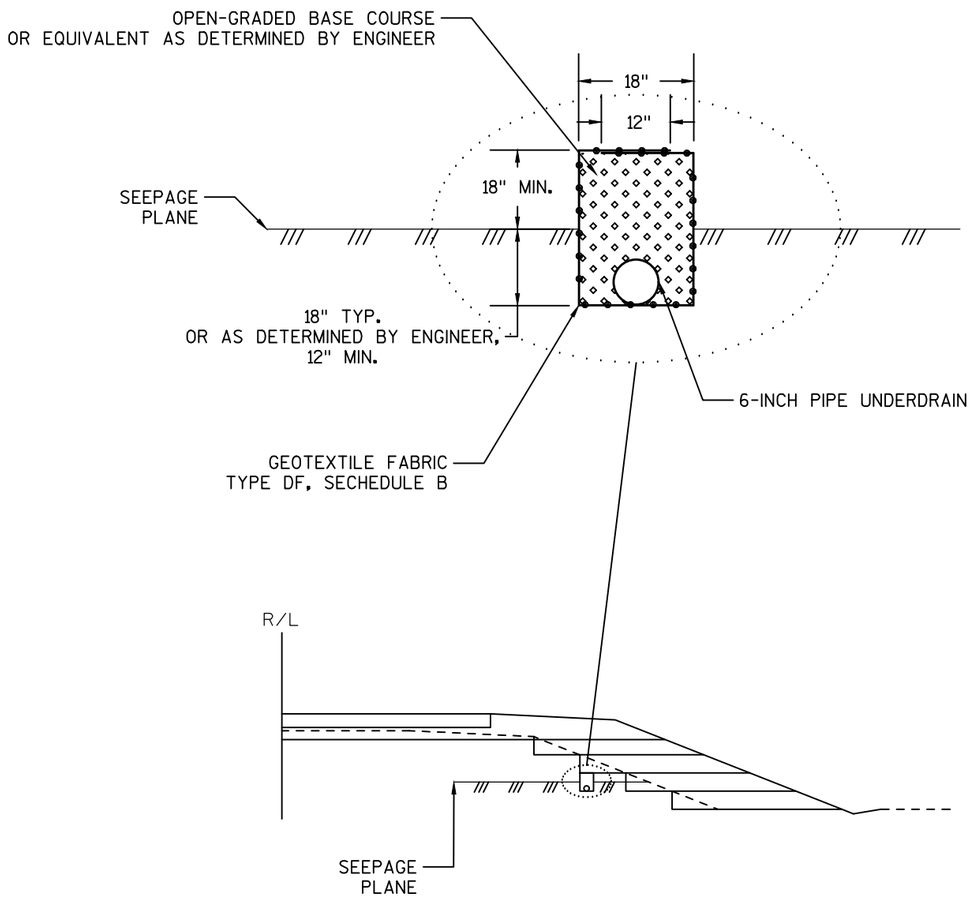




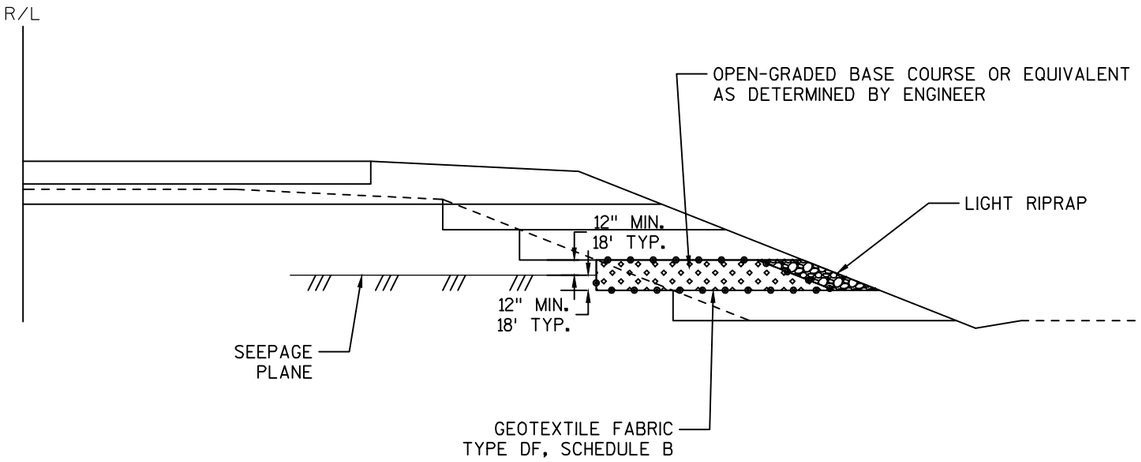
RIPRAP HEAVY TREATMENT AT CULVERTS



DETAIL OF RIPRAP HEAVY DITCH

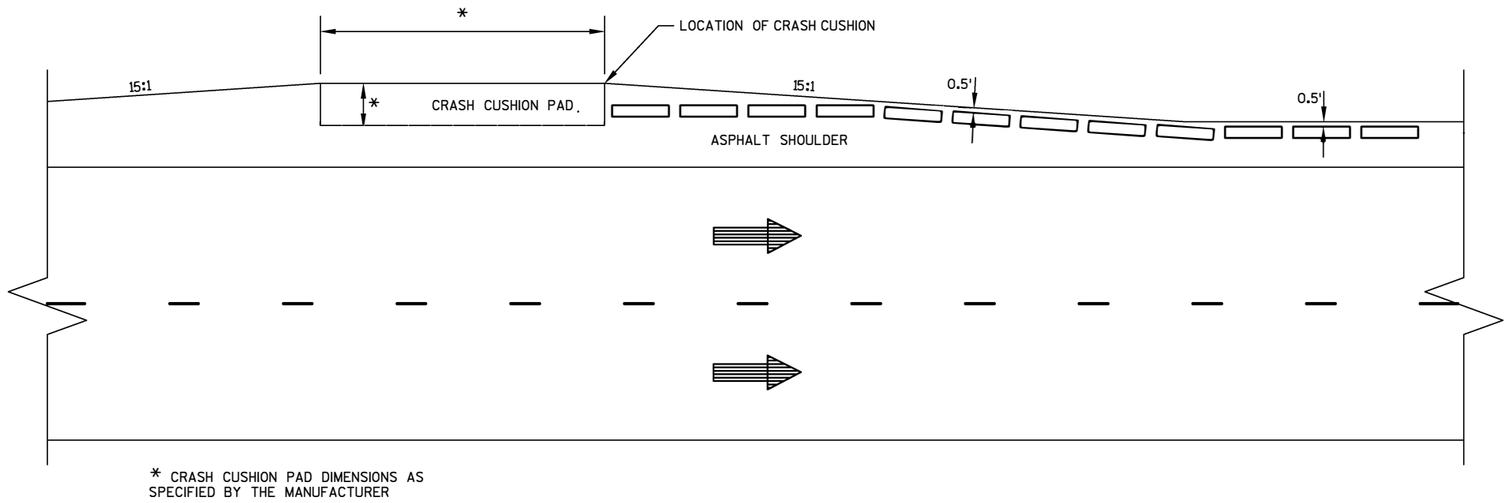


BANK UNDERDRAIN: TYPICALLY USED FOR SEEPAGE LENGTHS > 25' ALONG THE EXISING EMBANKMENT SLOPE

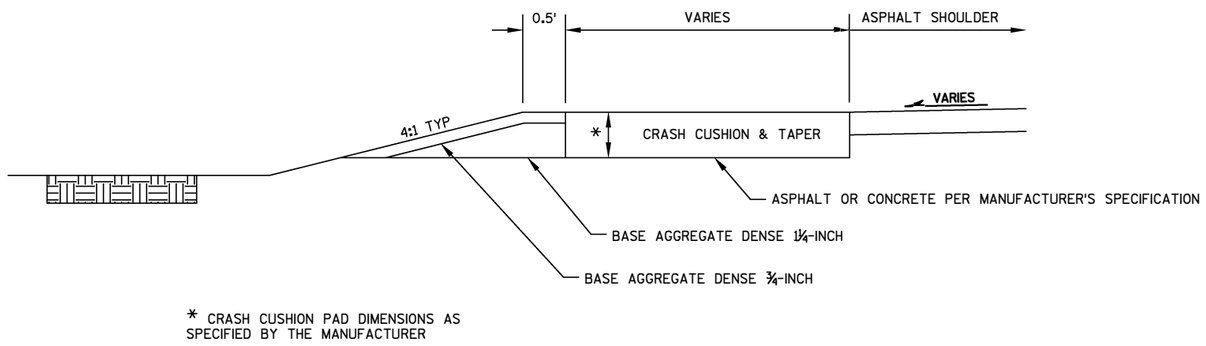


GRANULAR BLANKET DRAIN: TYPICALLY USED FOR SEEPAGE LENGTHS < 25' AND WITHIN THE BOTTOM TWO HORIZONTAL STEPS OR BENCHES OF THE ROADWAY CONSTRUCTION

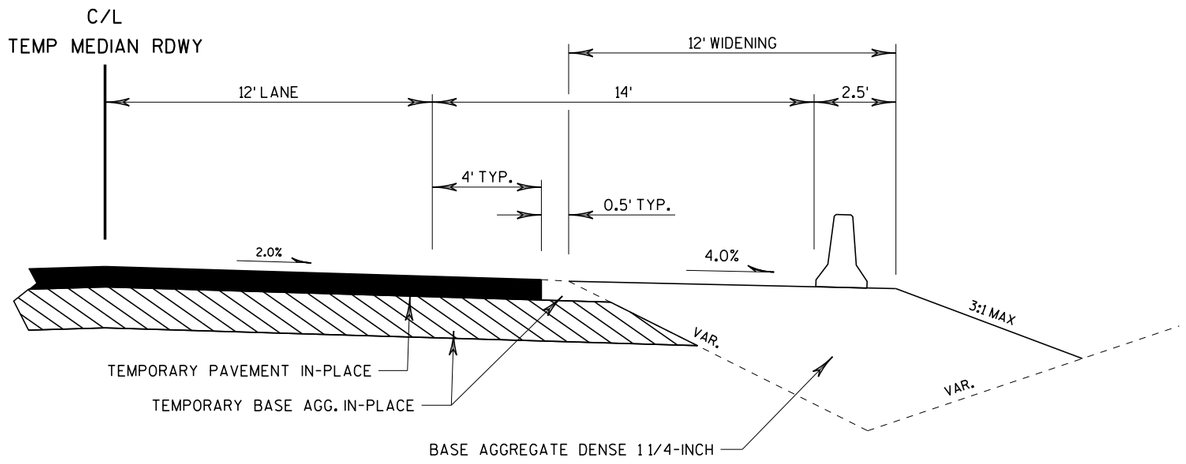
EMBANKMENT SEEPAGE CONSTRUCTION DETAILS



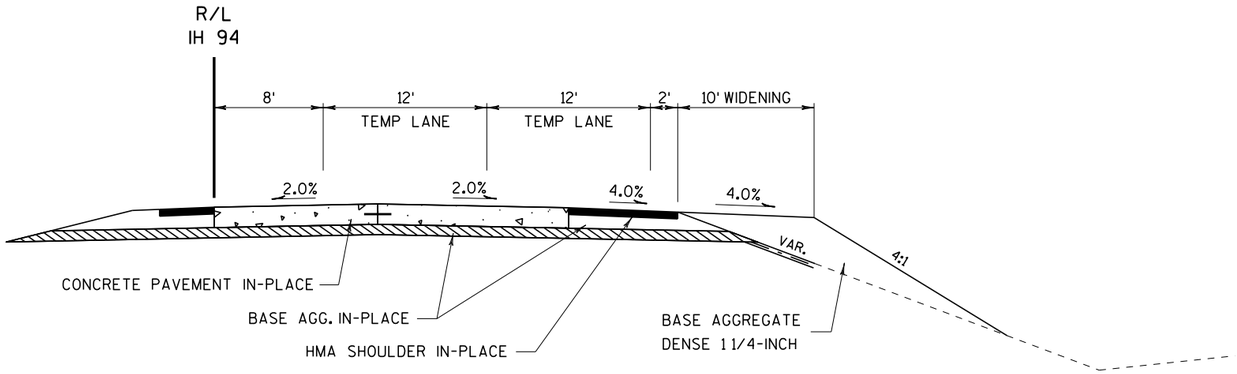
TEMPORARY CRASH CUSHION LAYOUT



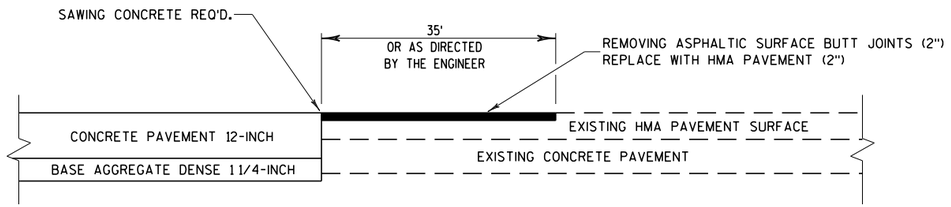
TEMPORARY CRASH CUSHION PAD DETAIL



TEMPORARY EMERGENCY PULLOUTS
WITH TEMPORARY CONCRETE BARRIER PRECAST

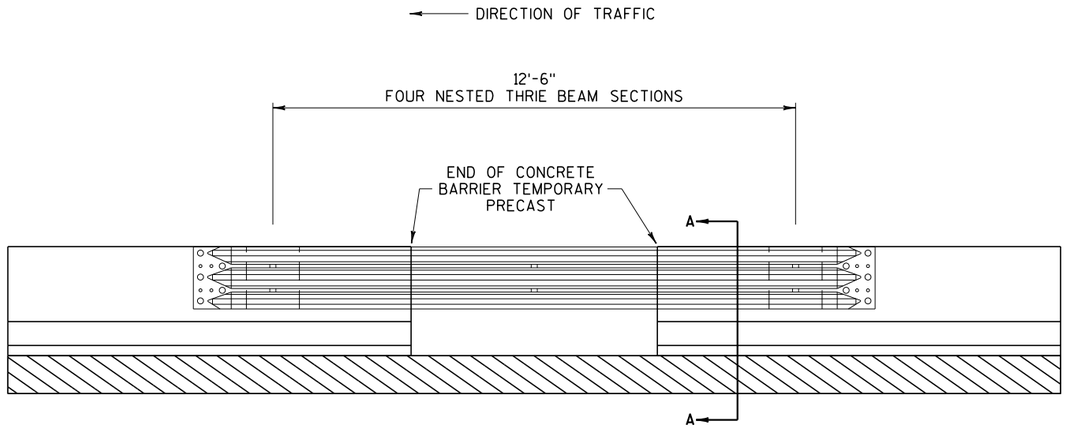


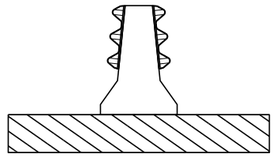
TEMPORARY EMERGENCY PULLOUTS
ADJACENT TO FINISHED ROADWAY



BUTT JOINT DETAIL FOR IH 94 MAINLINE PAVEMENT TRANSITIONS

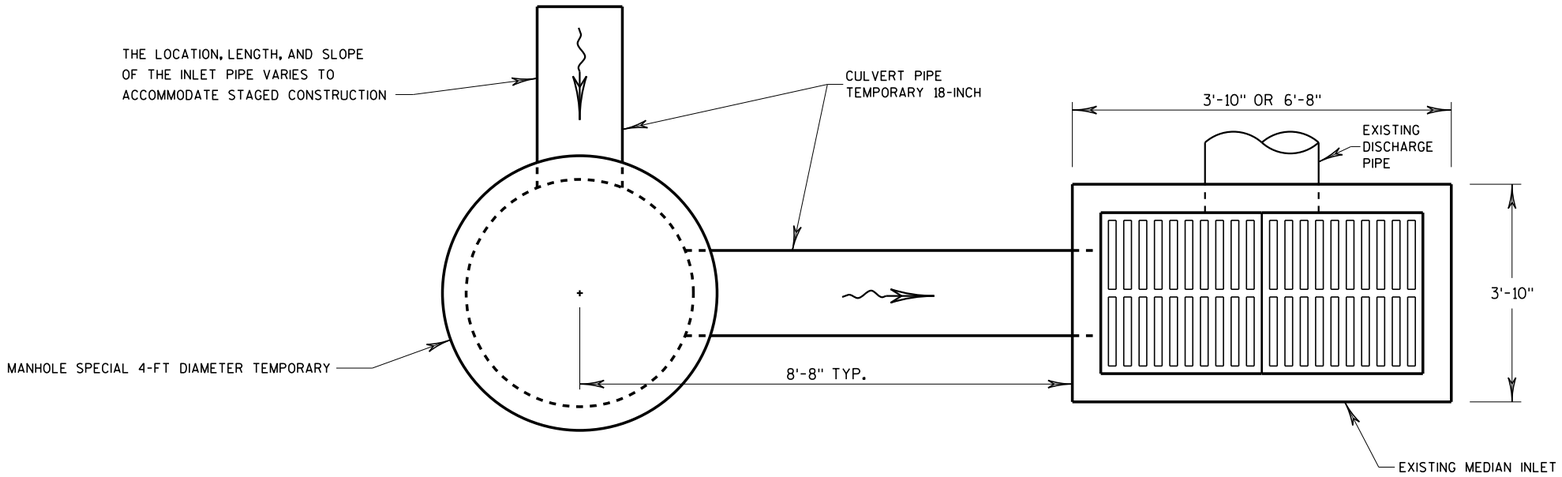
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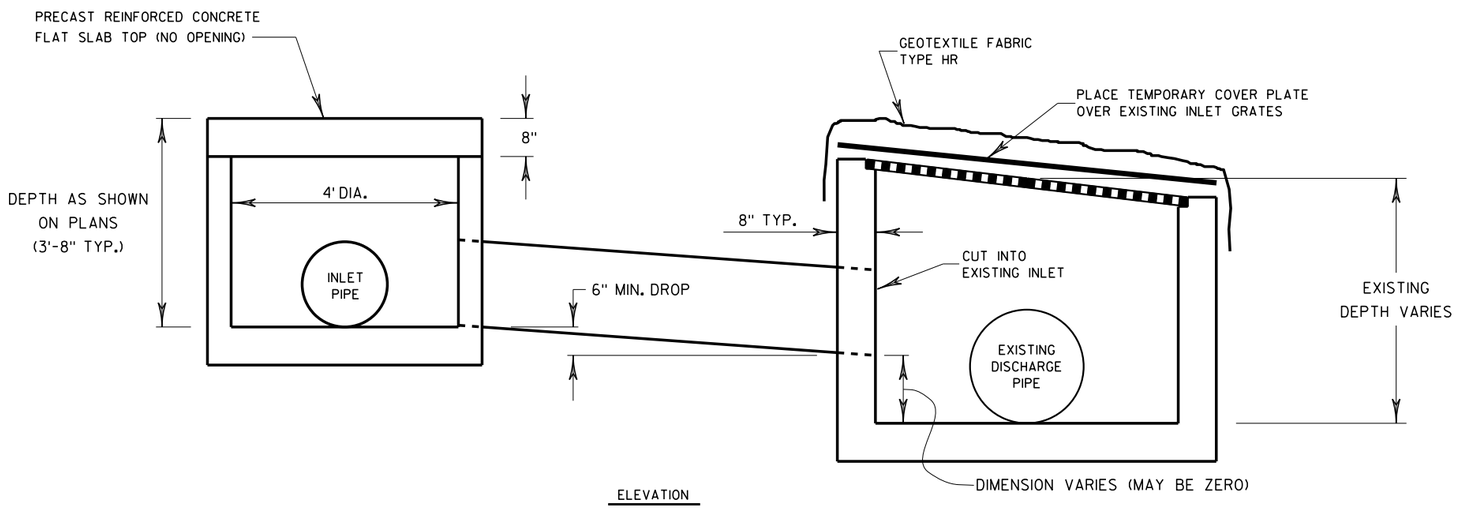


SECTION A-A

TEMPORARY THRIE BEAM CONNECTION
LOCATIONS SPECIFIED BY THE ENGINEER
(INCIDENTAL TO CONCRETE BARRIER TEMPORARY PRECAST)



PLAN VIEW



ELEVATION

NOTE:

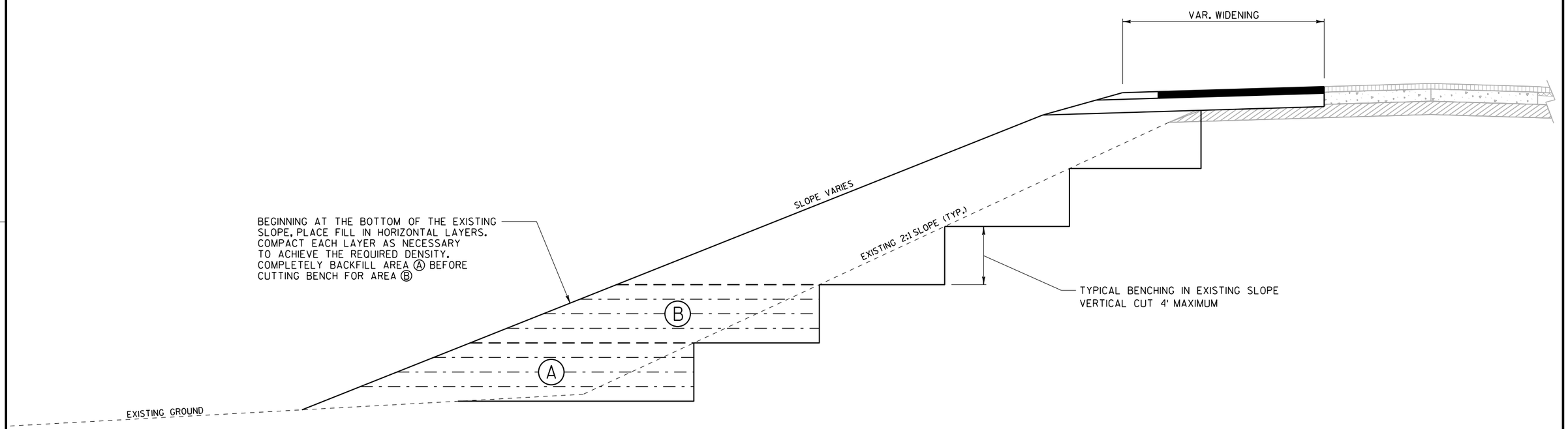
AFTER CUTTING AN APPROPRIATE OPENING, MORTAR THE TEMPORARY PIPE IN PLACE AND REPAIR THE STRUCTURAL INTEGRITY OF THE EXISTING INLET AS REQUIRED BY THE ENGINEER.

THE CONTRACTOR SHALL INSTALL THE GEOTEXTILE FABRIC TO NOT ALLOW ANY FILL MATERIAL TO ENTER THE INLET.

REMOVAL OF THE TEMPORARY PIPE, TEMPORARY COVER PLATE, AND GEOTEXTILE FABRIC; REPAIR OF THE INLET WALL; AND CLEANING OF ANY SEDIMENT MATERIAL IN THE INLET BOX IS INCIDENTAL TO THE BID ITEM "RECONSTRUCTING MEDIAN INLETS SPECIAL".

MANHOLES SPECIAL 4-FT DIAMETER TEMPORARY

RECONSTRUCTING MEDIAN INLETS SPECIAL



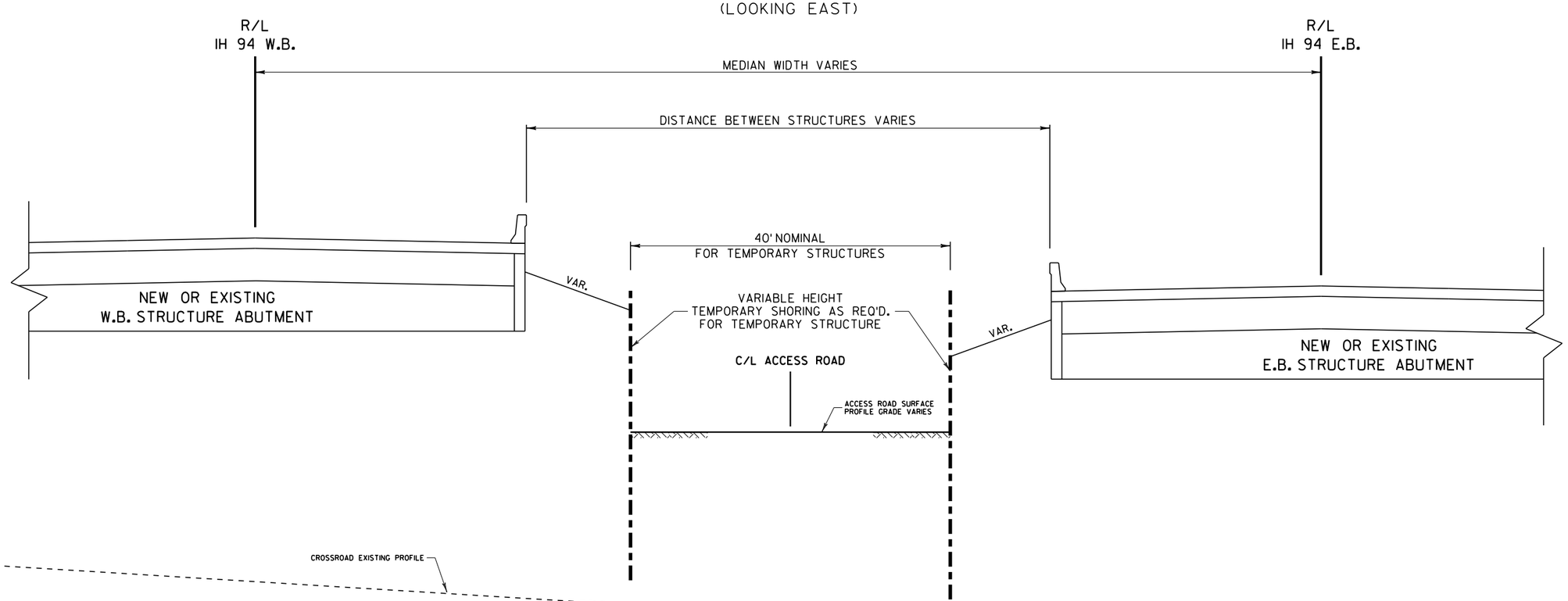
DETAIL SHOWING METHOD FOR
BENCHING FILL INTO EXISTING EMBANKMENT

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	CONSTRUCTION DETAILS	SHEET 23	E

2

CROSS SECTION THRU IH 94 ROADWAY

(LOOKING EAST)

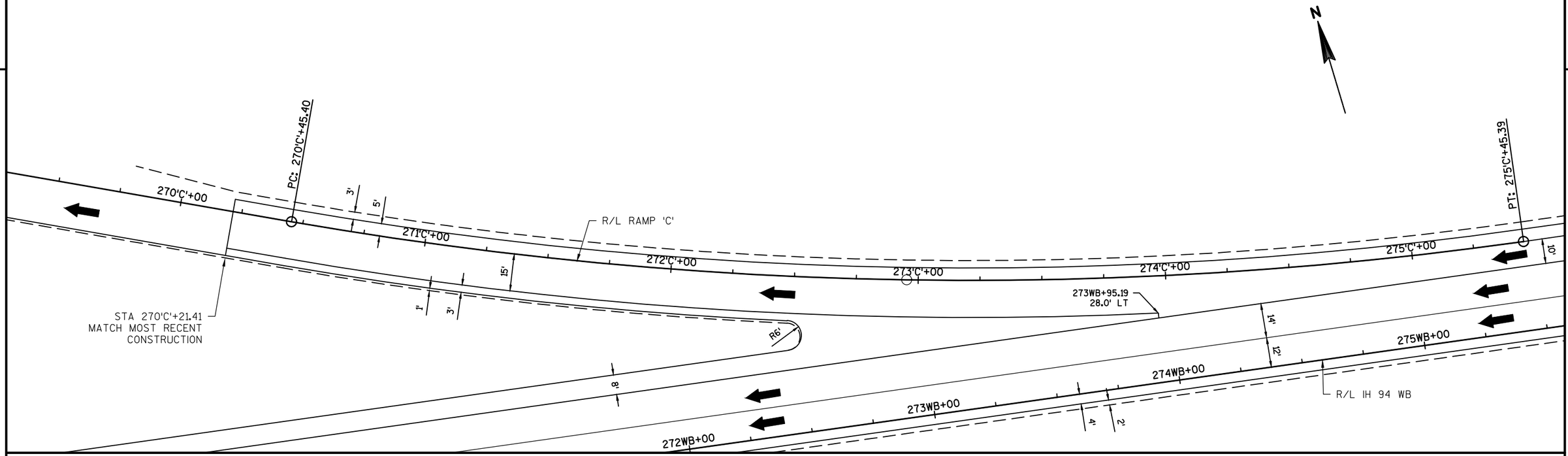


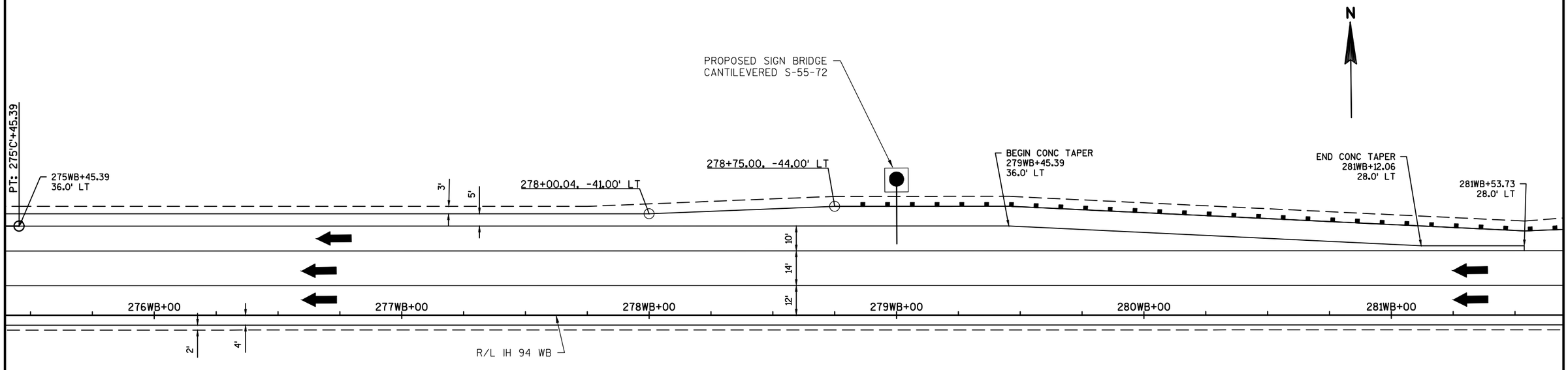
POSSIBLE CONSTRUCTION ACCESS TO MEDIAN FROM CROSSROAD

TEMPORARY SHORING REQUIRED

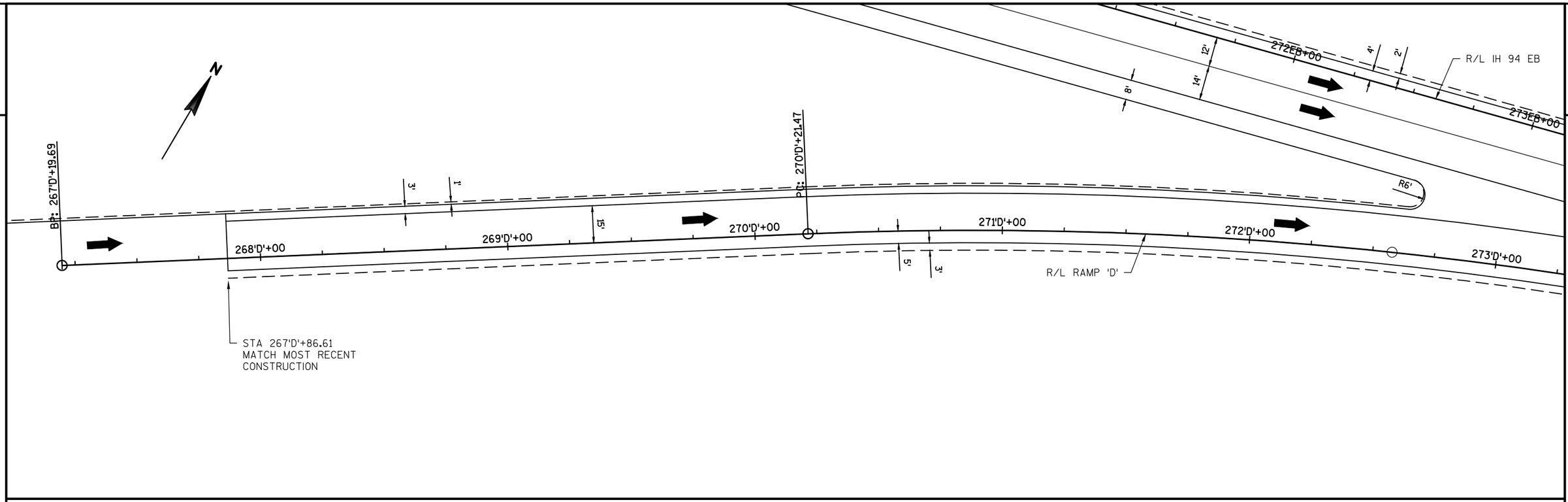
(INCIDENTAL TO TEMPORARY STRUCTURE)

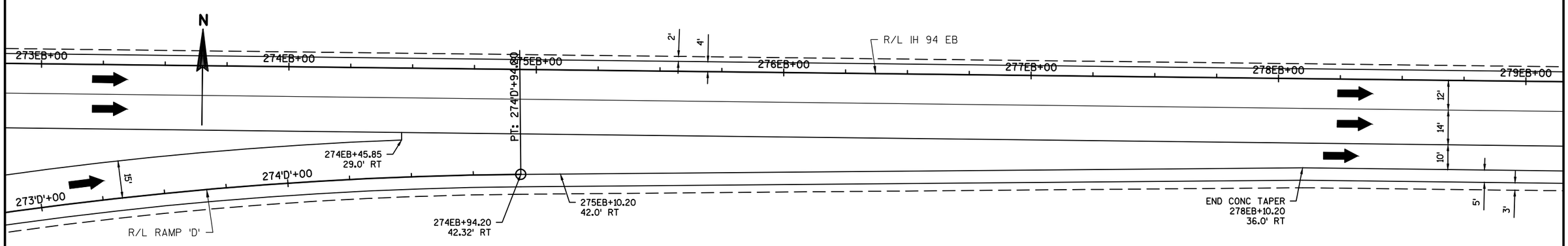
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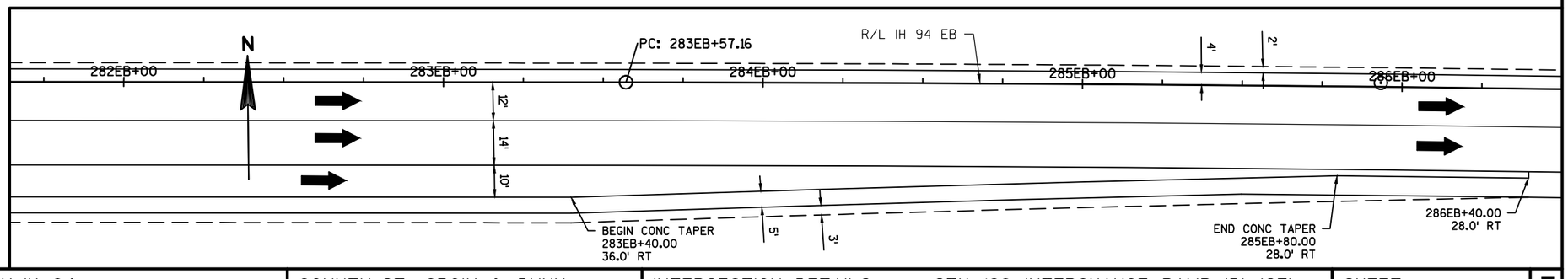




PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	INTERSECTION DETAILS - STH 128 INTERCHANGE RAMP 'C' (NE)	SHEET 25	E



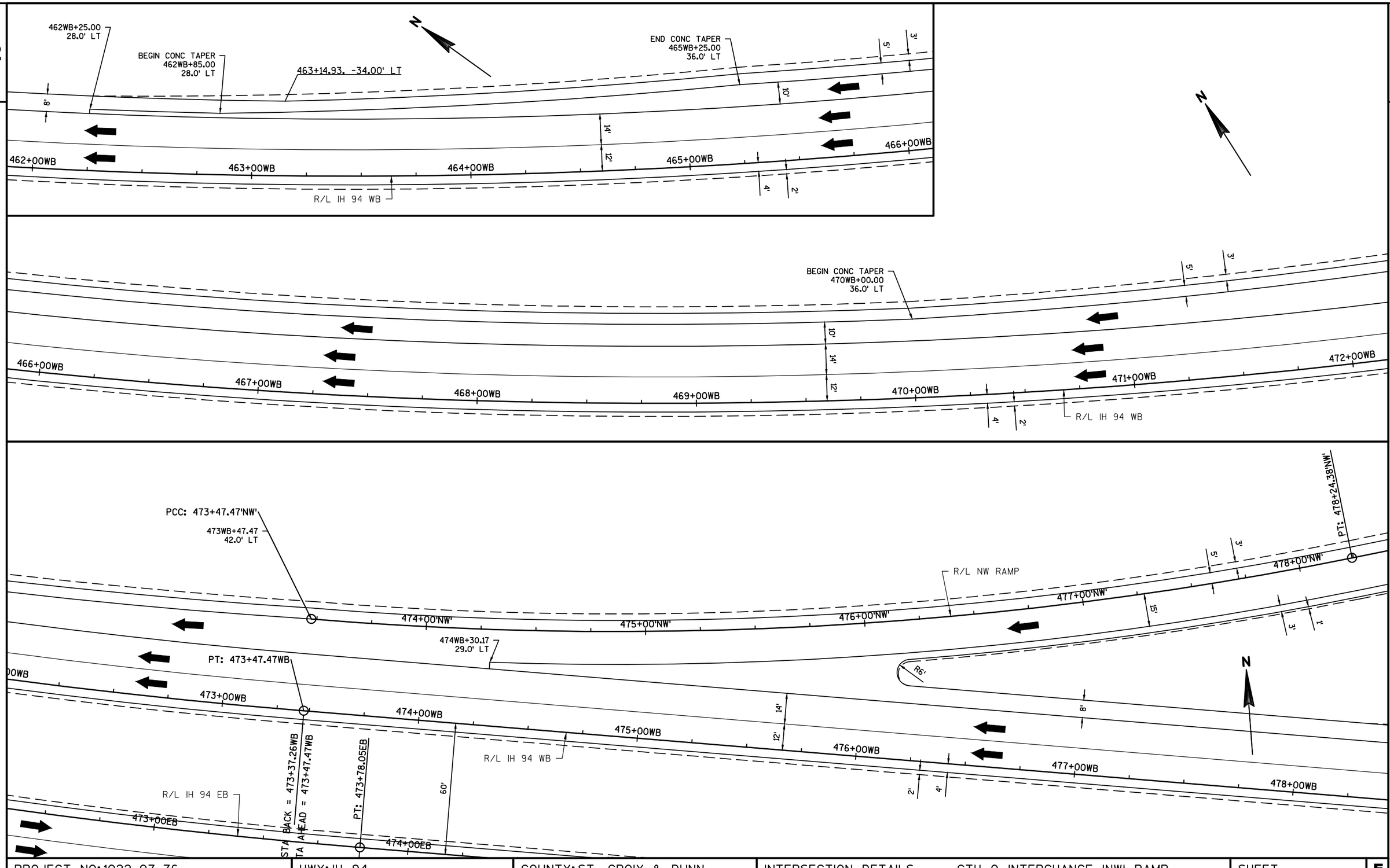




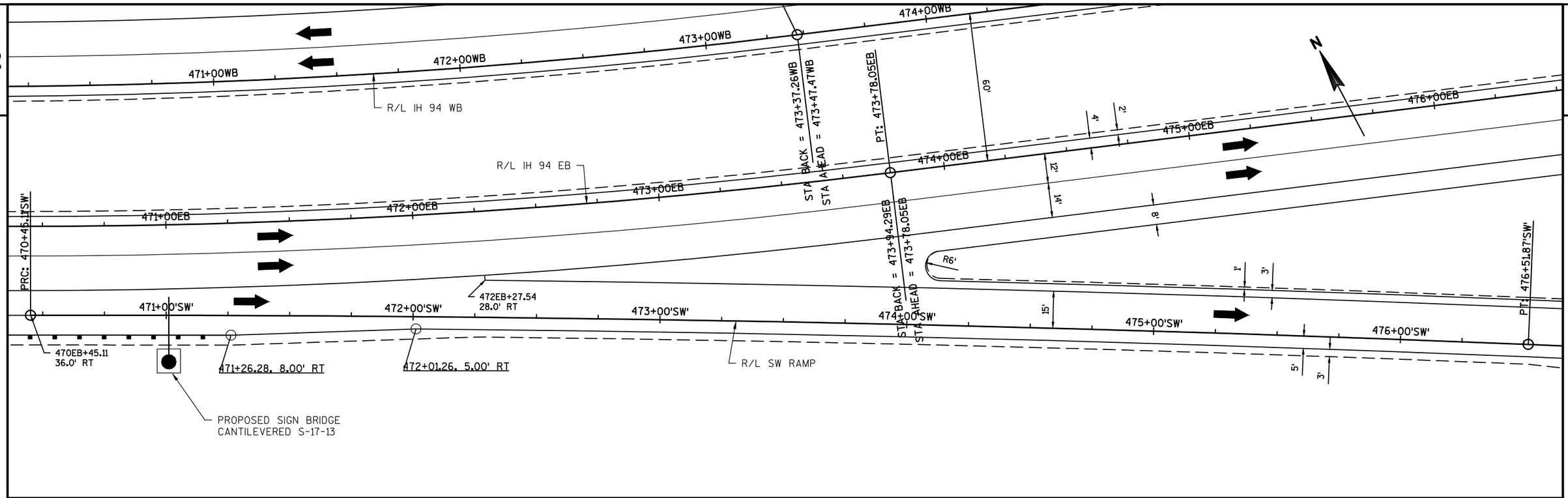
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	INTERSECTION DETAILS - STH 128 INTERCHANGE RAMP 'D' (SE)	SHEET	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\021111_ID_INTER_DETAILS.DWG
LAYOUT NAME - SHEET - (3)
PLOT DATE : 8/17/2018 1:18 PM PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

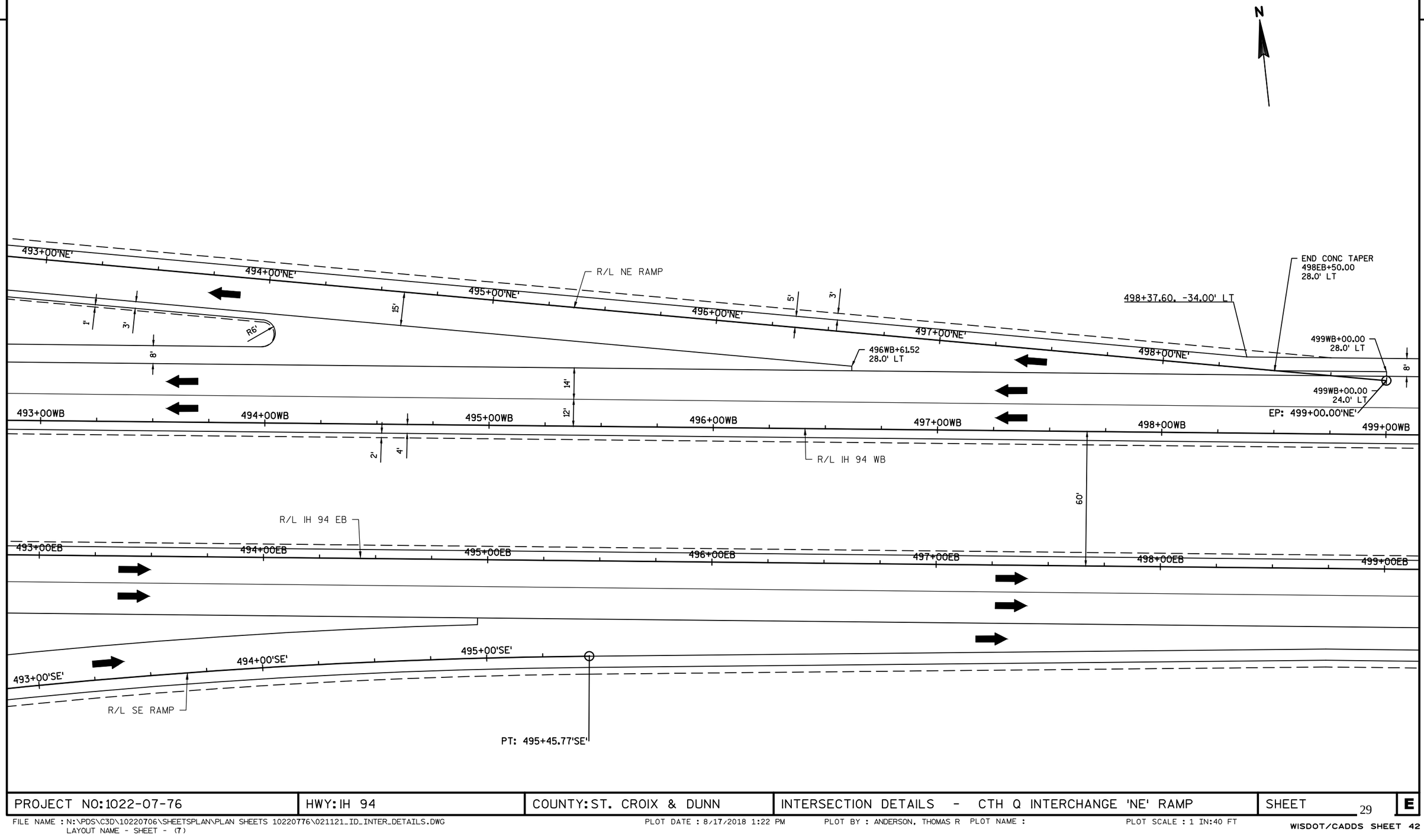


PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	INTERSECTION DETAILS - CTH Q INTERCHANGE 'NW' RAMP	SHEET 27	E

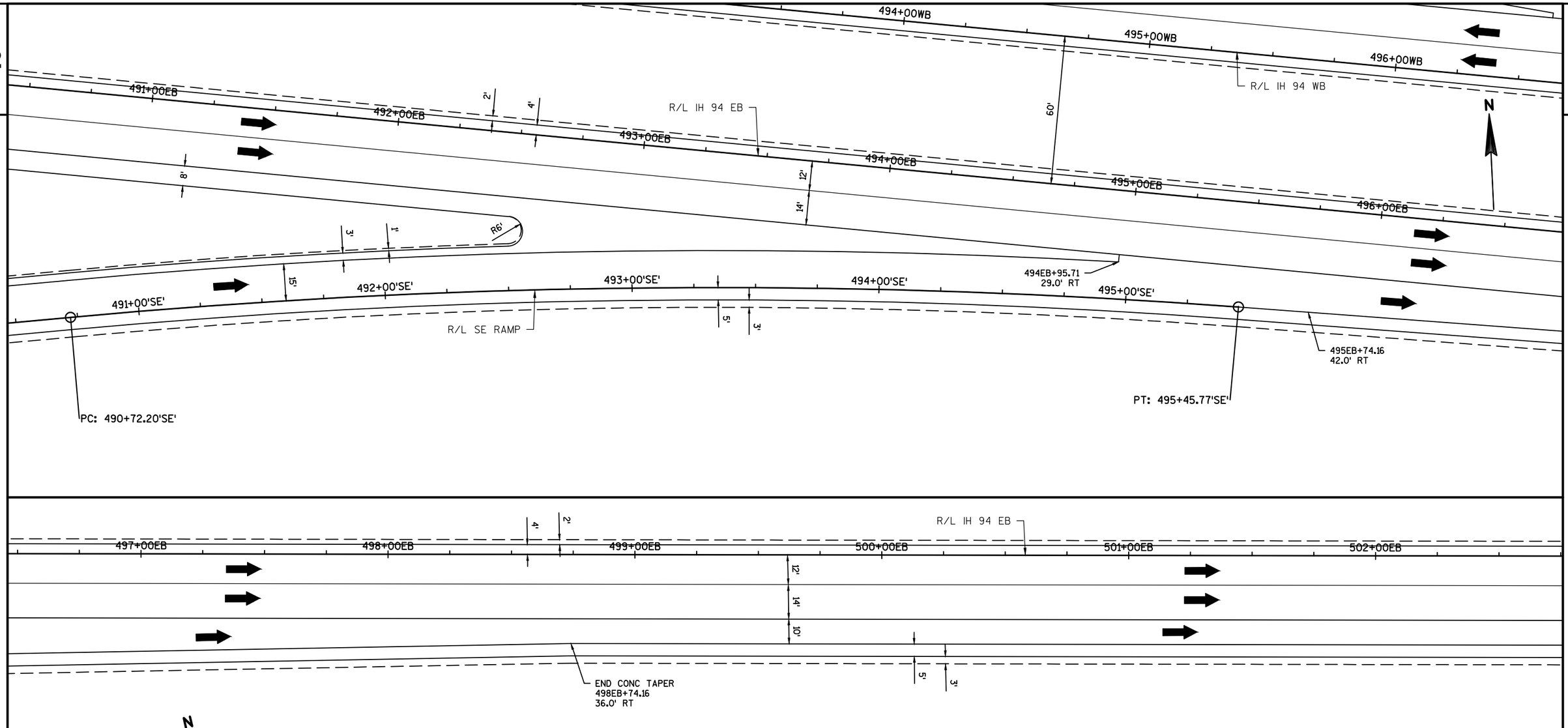


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	INTERSECTION DETAILS - CTH Q INTERCHANGE 'SW' RAMP	SHEET 28	E

2



PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	INTERSECTION DETAILS - CTH Q INTERCHANGE 'NE' RAMP	SHEET 29	E



PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	INTERSECTION DETAILS - CTH Q INTERCHANGE 'SE' RAMP	SHEET 30	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\021121_ID_INTER_DETAILS.DWG
LAYOUT NAME - SHEET - (8)
PLOT DATE : 8/17/2018 1:22 PM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

RADIUS POINT TABLE			
POINT	STATION	OFFSET	RADIUS
CC11	9+09.88 COUNTY Q 483+79.89 SW RAMP	70.0' LT 71.71' RT	50.0'
CC12	9+69.50 COUNTY Q 484+10.63 SW RAMP	37.51' LT 5.50' RT	1.5'
CC13	9+68.50 COUNTY Q 484+27.84 SW RAMP	20.30' LT 6.50' RT	2.5'
CC14	9+63.47 COUNTY Q 484+28.26 SW RAMP	19.88' LT 11.53' RT	2.5'
CC15	10+50.00 COUNTY Q 483+88.14 SW RAMP	60.00' LT 75.00' LT	60.0'
CC16	10+20.00 COUNTY Q 484+52.16 SE RAMP	49.00' RT 45.0' LT	25.0'
CC17	9+04.73 COUNTY Q 484+78.68 SE RAMP	74.00' RT 62.00' RT	50.0'

482+76.06, 0.00'
CONC. TAPER

483+23.88, 10.02' RT
ASPH. TAPER

PT: 483SW+77.90

CC11

CC12

CC13

CC14

CC15

CC16

CC17

ASPHALTIC FLUME

1205.99

1205.69

1205.40

9+09.88, -12.00' LT

8+09.88, -12.00' LT

9+00

PT: 9+40.24

9+04.73, 22.00' RT

1202.96

8+00.00, 12.00' RT

8+00

7+00

6+00

BEGIN CONSTRUCTION
STA 8+00 COUNTY Q

1203.61

ASPHALTIC FLUME

1203.86

CONC.
ASPH.

ASPH.
CONC.

10+00

11+00

12+00

10+20.00, 22.00' RT

1205.17

1204.88

1204.58

11+20.00, 12.00' RT

ASPHALTIC FLUME

486+08.83, 5.00' RT
ASPH. TAPER

486+28.68, 0.00'
CONC. TAPER

485+52.16, -15.00' LT

483SW+00

484SW+00

485SE+00

482EB+00

483EB+00

484EB+00

485EB+00

485WB+00

15'

1'

3'

5'

12'

22'

20'

N

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	INTERSECTION DETAILS - CTH Q SOUTH RAMP TERMINALS	SHEET 31 E

2

482WB+00

483WB+00

484WB+00

485WB+00

482NW+00

483NW+00

484NE+00

485NE+00

481+59.78, 0.00'
CONC. TAPER

481+80.07, -5.00' LT
ASPH. TAPER

482+34.34, 15.00' RT

PT: 482NW+76.20

ASPHALTIC FLUME

CC22

1213.02

CC21

1212.45

1212.74

ASPHALTIC FLUME

13+05.00, -12.00' LT

1212.35

14+05.00, -22.00' LT

1213.81

CONC. ASPH.

1214.79

15+12.00, -22.00' LT

END CONSTRUCTION
STA 16+21 COUNTY Q

13+00

14+00

15+00

16+00

17+00

18+00

15+20.93, 12.00' RT

1215.04

ASPH. CONC.

CC23

CC24

1214.21

CC25

1213.47

ASPHALTIC FLUME

CC27

CC26

PC: 484NE+19.86

485+13.00, 0.00'
CONC. TAPER

RIPRAP

FILLER CAP

CTH Q

RADIUS POINT TABLE			
POINT	STATION	OFFSET	RADIUS
CC21	14+05.00 COUNTY Q 483+34.78 NW RAMP	49.0' LT 45.00' RT	25.0'
CC22	15+12.00 COUNTY Q 483+09.78 NW RAMP	74.00' LT 62.00' LT	50.0'
CC23	14+56.50 COUNTY Q 483+64.01 NE RAMP	20.30' RT 6.50' LT	2.5'
CC24	14+61.68 COUNTY Q 483+63.58 NE RAMP	19.88' RT 11.68' LT	2.5'
CC25	14+55.50 COUNTY Q 483+81.33 NE RAMP	37.62' RT 5.50' LT	1.5'
CC26	15+20.93 COUNTY Q 484+13.71 NE RAMP	70.00' RT 70.93' LT	50.0'
CC27	13+75.00 COUNTY Q 484+03.71 NE RAMP	60.00' RT 75.00' RT	60.0'

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	INTERSECTION DETAILS - CTH Q NORTH RAMP TERMINALS	SHEET 32	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\021131_ID_INTER_DETAILS.DWG
LAYOUT NAME - SHEET - (2)
PLOT DATE : 9/19/2018 5:14 PM
PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

EXISTING WB STRUCTURE

IH 94

316WB+00

317WB+00

318WB+00

IH 94 WB R/L

TEMPORARY SHORING REQ'D. (TYP.)
INCIDENTAL TO TEMPORARY STRUCTURE

C/L 310th ST.

29.5' MIN. CLEAR

4+00

INL

C/L TEMPORARY MEDIAN ROADWAY

29.5' MIN. CLEAR

310th STREET

PROPOSED 60-ft. SPAN TEMPORARY STRUCTURE
(CENTERED ON 310th ST.)
PROVIDE 14'-0" MIN. VERTICAL CLEARANCE

316EB+00

317EB+00

318EB+00

IH 94 EB R/L

EXISTING EB STRUCTURE

IH 94

3+00

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN DETAILS - TEMPORARY STRUCTURE OVER 310th STREET	SHEET 33	E

2

2

N

11+00

IH 94

EXISTING WB STRUCTURE

391WB+00

392WB+00

393WB+00

IH 94 WB R/L

C/L 50th AVE.

TEMPORARY SHORING TO
AVOID EXISTING 30" CP

31.5' MIN. CLEAR

TEMPORARY SHORING REQ'D. (TYP.)
INCIDENTAL TO TEMPORARY STRUCTURE

RIPRAP

C/L TEMPORARY MEDIAN ROADWAY

RIPRAP

19.5' MIN. CLEAR

10+00

50th AVENUE

PROPOSED 60-ft. SPAN TEMPORARY STRUCTURE
(OFFSET TO C/L OF 50th AVE.)
PROVIDE 14'-0" MIN. VERTICAL CLEARANCE

391EB+00

392EB+00

393EB+00

IH 94 EB R/L

EXISTING EB STRUCTURE

IH 94

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN DETAILS - TEMPORARY STRUCTURE OVER 50th AVENUE	SHEET 34	E

2

N

IH 94

EXISTING WB STRUCTURE

PROPOSED IH 94 WB R/L

483WB+00 484WB+00 485WB+00

RIPRAP

CTH Q

12+00

483EB+00 484EB+00 485EB+00

IH 94

EXISTING EB STRUCTURE

PROPOSED IH 94 EB R/L

27.5' MIN. CLEAR

TEMPORARY SHORING REQ'D. (TYP.)
INCIDENTAL TO TEMPORARY STRUCTURE

11+00

27.5' MIN. CLEAR

PROPOSED 60-ft. SPAN TEMPORARY STRUCTURE
(CENTERED ON CTH Q)
PROVIDE 14'-0" MIN. VERTICAL CLEARANCE

C/L TEMPORARY MEDIAN ROADWAY

C/L CTH Q

MH

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN DETAILS - TEMPORARY STRUCTURE OVER CTH Q	SHEET 35	E

2

LEGEND

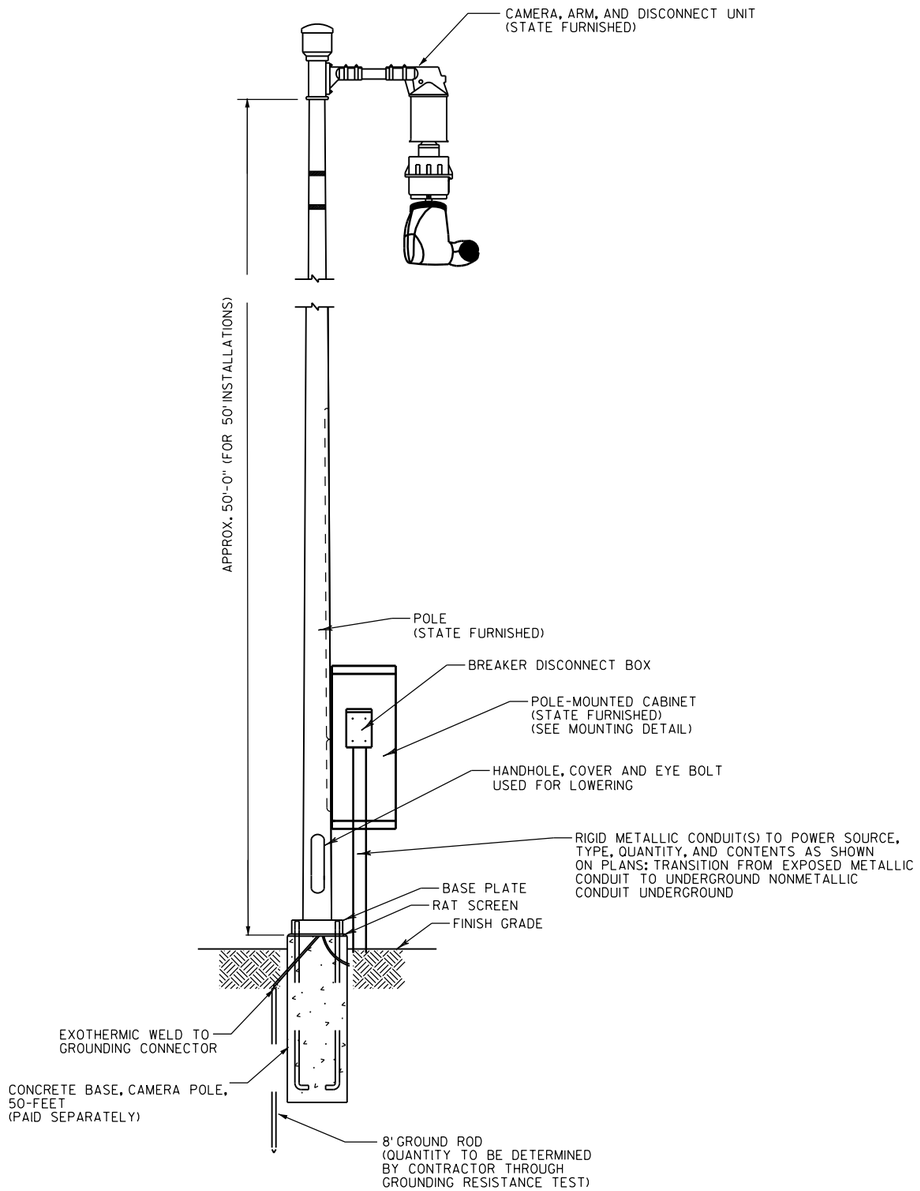
FTMS CONVENTIONAL SYMBOLS	EXISTING	PROPOSED
POLE MOUNTED CABINET	⊠	⊠
METER BREAKER PEDESTAL	⊠	⊠
24X42-INCH CSCP PULL BOX	⊜	⊜
FTMS (ITS) CONDUIT	- -	- -
BREAKER DISCONNECT BOX	⊞	⊞
SIGN BRIDGE AND DMS		
CCTV CAMERA POLE AND CAMERA		

FTMS STANDARD ABBREVIATIONS

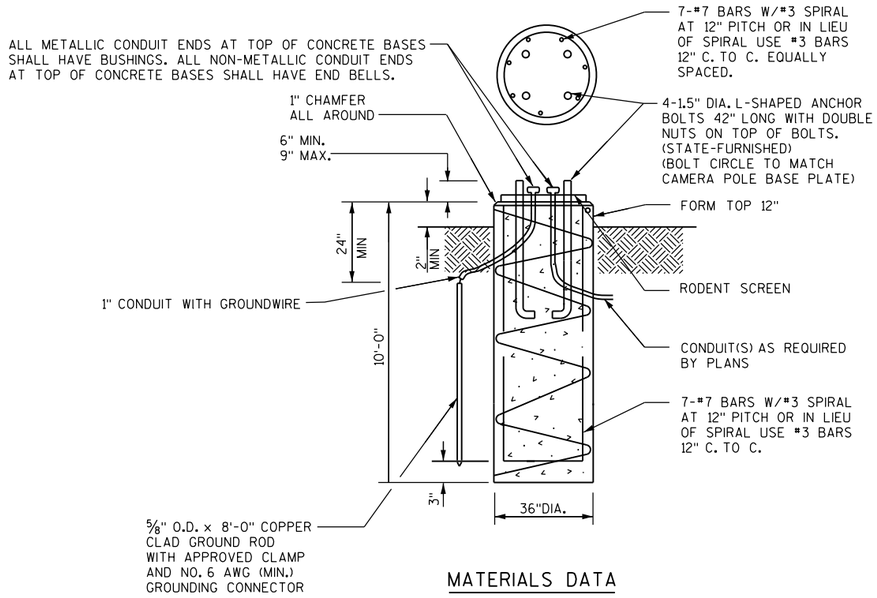
CB	CONTROLLER CABINET
CCTV	CLOSED CIRCUIT TELEVISION SITE
CV	COMMUNICATIONS VAULT
PB	PULL BOX
EX	EXISTING
SDS	SYSTEM DETECTOR STATION
FOC	FIBER OPTIC CABLE
F.O.	FIBER OPTIC
MD	MICROWAVE DETECTOR
S-F	STATE-FURNISHED
DMS	DYNAMIC MESSAGE SIGN

FTMS GENERAL NOTES

1. THESE PLANS AND THE ASSOCIATED SPECIAL PROVISIONS REFLECT CONDITIONS KNOWN DURING THE DEVELOPMENT OF THE PLANS AND TECHNICAL SPECIAL PROVISIONS. ALL SCALES, DIMENSIONS AND LOCATIONS SHOWN IN THESE PLANS ARE APPROXIMATE. ACTUAL PHYSICAL FIELD CONDITIONS SHALL PROVIDE THE BASIS FOR THE APPLICATION OF WORK SHOWN IN THE PLANS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR THE APPLICATION OF ALL WORK SHOWN IN THE PLANS TO THE ACTUAL PHYSICAL FIELD CONDITIONS TO PROVIDE A COMPLETE AND ACCEPTED PROJECT. IN THE EVENT THAT ACTUAL PHYSICAL FIELD CONDITIONS AFFECT OR PREVENT THE APPLICATION OR PROGRESSION OF ANY WORK SHOWN IN THE PLANS OR TECHNICAL SPECIAL PROVISIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY, AND PRIOR TO ANY FURTHER WORK ACTIVITY. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY LOCATION CHANGES OTHER THAN MINOR ADJUSTMENTS.
2. BE AWARE THAT ALL EXISTING UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES WITHIN THE SCOPE OF THIS PROJECT MAY NOT BE LOCATED IN THE PLANS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR LOCATING AND AVOIDING ALL UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES.
3. BE AWARE THAT NO TEST BORINGS WERE MADE WHERE CONDUITS, PULLBOXES, POLES, CABINET FOUNDATIONS, OR OTHER EQUIPMENT IS TO BE INSTALLED. THE CONTRACTOR IS FULLY RESPONSIBLE FOR EXAMINING THE JOB SITE CONDITIONS BEFORE SUBMITTING BID PROPOSALS.
4. NO TREES (AND/OR SHRUBS) SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.
5. AREAS WITHIN THE RIGHT-OF-WAY DISTURBED SPECIFICALLY FOR FTMS CONSTRUCTION SHALL BE RESTORED TO THE ORIGINAL CONDITION WITH TOPSOIL, FERTILIZER, SEED, AND EROSION MAT, AND SHALL BE INCLUDED IN THE COST OF INSTALLING FTMS ITEMS. RESTORATION FOR AREAS DISTURBED FOR OTHER CONSTRUCTION OPERATIONS BUT ALSO CONTAINING FTMS CONSTRUCTION SHALL BE DONE ACCORDING TO REQUIREMENTS AND PAYMENT PROVISIONS FOR THE OTHER CONSTRUCTION OPERATIONS.
6. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
7. DUE TO RAMP, LANE, SHOULDER CLOSURE RESTRICTIONS, AND WORK UNDER OTHER CONTRACTS, SOME WORK MAY BE REQUIRED TO BE PERFORMED AT NIGHT.
8. THE CONTRACTOR IS FULLY RESPONSIBLE FOR COORDINATING RAMP, LANE, SHOULDER, AND ROADWAY CLOSURES WITH OTHER CONTRACTS IN THE AREA.
9. THE CONTRACTOR SHALL CONTACT THE WISDOT STATEWIDE TRAFFIC OPERATIONS CENTER AT (414) 227-2166 FIVE (5) WORKING DAYS PRIOR TO ENTERING ANY EXISTING WISDOT FTMS OR ITS CABINET.
10. ALL LOOP DETECTORS ARE STATIONED TO CENTER OF LEADING EDGE AS APPROACHED BY NORMAL VEHICLE PATH.
11. HAND DIG TRENCHES CROSSING EXISTING CONDUIT CONTAINING FIBER OPTIC CABLE.
12. VISUALLY VERIFY DEPTHS OF EXISTING CONDUITS CONTAINING FIBER OPTIC CABLE PRIOR TO CROSSING BY DIRECTIONAL BORE OR SPECIAL METHOD.



CAMERA POLE WITH CAMERA LOWERING HARDWARE

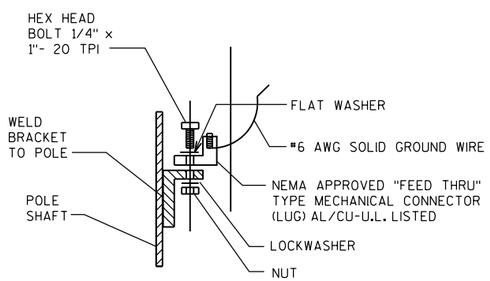


MATERIALS DATA

CONCRETE	f'c=3,500 psi
HIGH STRENGTH BAR STEEL REINFORCEMENT	fy = 60,000 psi

CONCRETE BASE, 50' CAMERA POLE

NOT TO SCALE



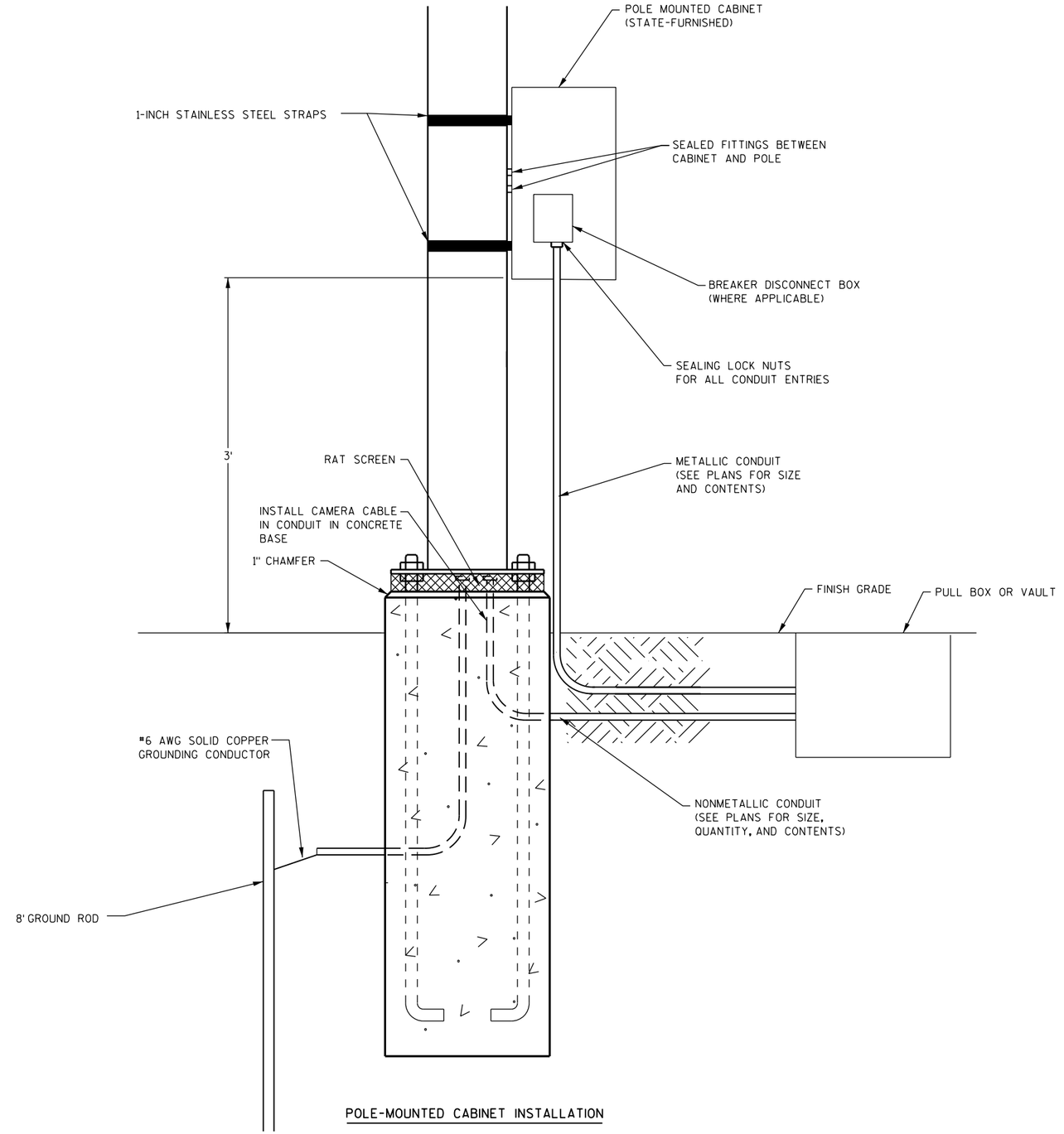
FIELD INSTALLED GROUNDING LUG

NOTES

1) ALL HARDWARE AND FASTENERS SHALL BE STAINLESS STEEL
2) POLE DRAWINGS SHOWN FOR BIDDING INFORMATION PURPOSES ONLY. POLES WILL BE STATE FURNISHED. BASE TO BE CONTRACTOR DESIGNED.
3) CONTRACTOR SHALL CONFIRM BOLT PATTERN OF CAMERA POLE PRIOR TO CONSTRUCTION OF CONCRETE BASE.
4) CONTRACTOR SHALL INSTALL GROUNDING LUG AS SHOWN

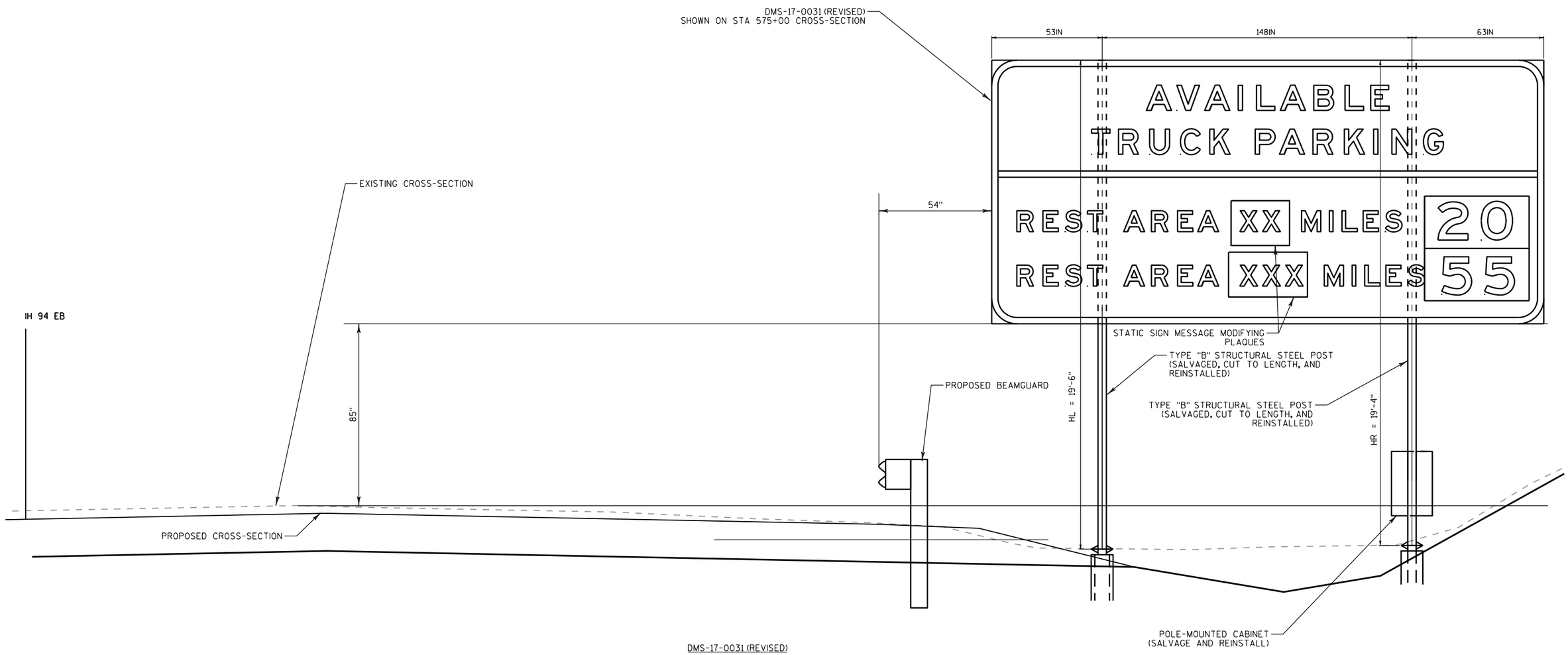
CAMERA POLES & FOUNDATIONS

2



POLE-MOUNTED CABINET INSTALLATION

2



DMS-17-0031 (REVISED)

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: DUNN	FTMS CONSTRUCTION DETAILS	SHEET 39	E

2

2

IH 94

N

DMS-17-0031 STAGING

DMS-17-0031 TO BE REMOVED, SALVAGED, RE-INTEGRATED, AND MADE OPERATIONAL WITHIN 48-HOURS OF SHUTTING DOWN THE SIGN FOR REMOVAL AND SALVAGE.

BUILD CONCRETE FOOTINGS AND ARRANGE FOR NEW ELECTRICAL SERVICE FOR REVISED DMS-17-0031 PRIOR TO REMOVAL AND SALVAGING OF EXISTING DMS SO THAT THE SIGN MAY BE OPERATIONAL WITHIN 48-HOURS OF TAKING OUT OF SERVICE AS DESCRIBED IN STAGING NOTES.

EX-DMS-17-0031
(1) SALVAGE EXISTING HYBRID DMS ASSEMBLY FOR REINSTALLATION AT 160TH STREET
(2) REMOVE CONCRETE BASES

EX-CCTV-17-0027
(1) SALVAGE EXISTING 50-FOOT CAMERA POLE
(1) SALVAGE EXISTING CCTV CAMERA
DISCONNECT EXISTING FIBER OPTIC TERMINATION PANEL
(1) SALVAGE EXISTING POLE-MOUNTED CABINET AND CONTENTS (CELLULAR MODEM TO BE REINSTALLED WITH RELOCATED DMS-17-0031 AT 160TH STREET)
(1) REMOVE CONCRETE BASE

REMOVE EXISTING CABLES AND ABANDON CONDUIT

EXPB002
(1) REMOVE EXISTING PULL BOX

REMOVE EXISTING DMS CABLES, SALVAGE EXISTING POWER WIRES AND FOC, AND ABANDON CONDUIT

SALVAGE EXISTING POWER WIRES AND FOC, AND ABANDON CONDUIT

EXPB001

COIL, STORE, AND PROTECT SALVAGED POWER WIRES AND FOC FOR LATER REINSTALLATION

FO

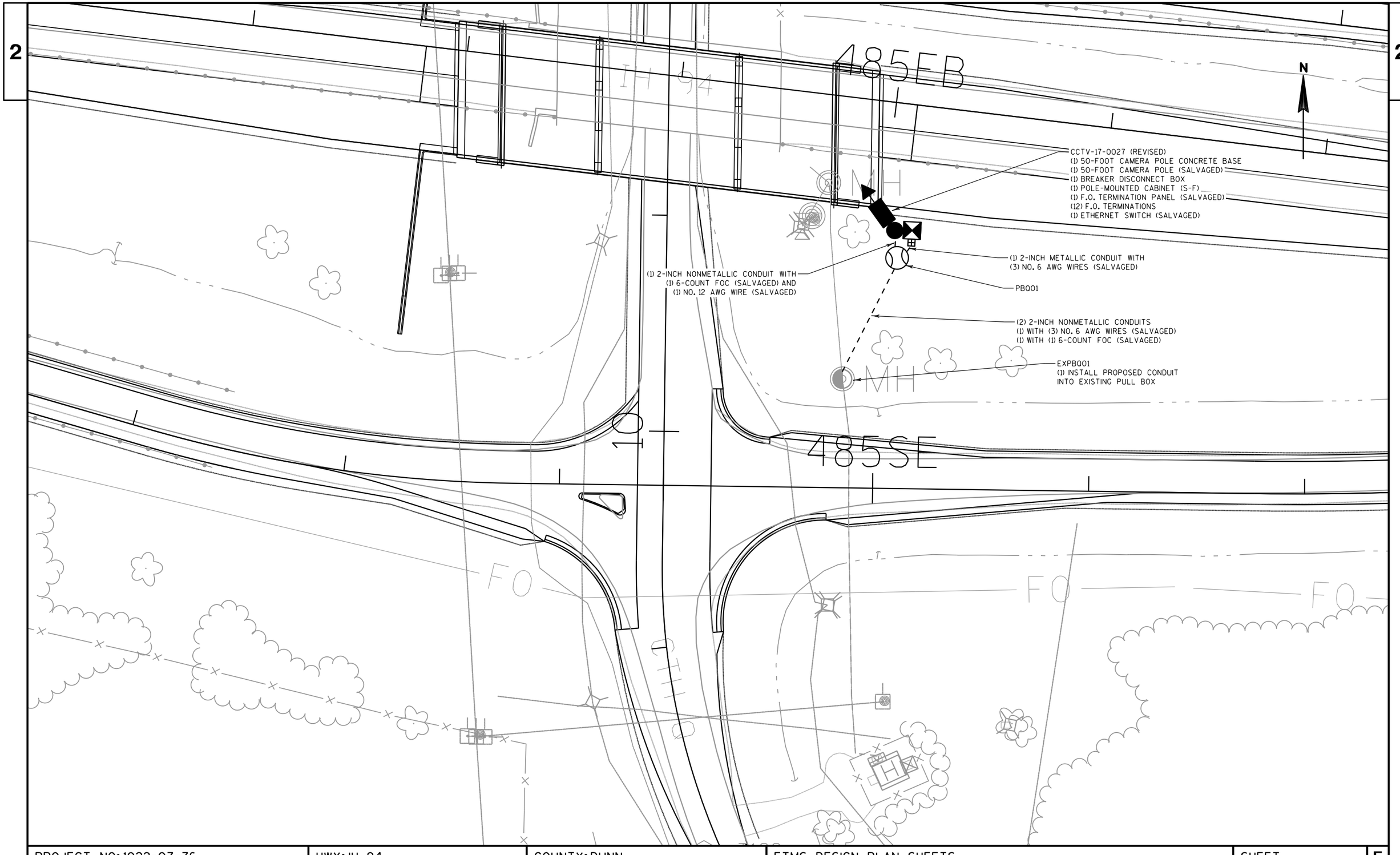
CTH O

FO

FO

EX-HUB-17-0017

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: DUNN	FTMS REMOVALS PLAN SHEETS	SHEET 40	E



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: DUNN	FTMS DESIGN PLAN SHEETS	SHEET	E

FILE NAME : \\mlww400\ingrproj\68580\10220776_nw_region_bridges\10220776_ftms.dgn PLOT DATE : 7/12/2018 PLOT BY : pkutz PLOT NAME : PLOT SCALE : 40:1

DMS-17-0031 STAGING

DMS-17-0031 TO BE REMOVED, SALVAGED, RE-INTEGRATED, AND MADE OPERATIONAL WITHIN 48-HOURS OF SHUTTING DOWN THE SIGN FOR REMOVAL AND SALVAGE.

BUILD CONCRETE FOOTINGS FOR DMS-17-0031 FOR ELEVATIONS TO BE GRADED TO AT THE END OF THE PROJECT - NOT EXISTING ELEVATIONS.

N

575WB

IH 94

575EB

IH 94

EDGE OF TRAVELED WAY

7.5'

PROPOSED BEAM GUARD

PB575

4.5'

(1) 2-INCH NONMETALLIC CONDUIT WITH (3) NO. 6 AWG TRAFFIC SIGNAL WIRES

DMS-17-0031 (REVISED)
(SEE MISCELLANEOUS QUANTITIES)
SIGN SUPPORTS STRUCTURAL STEEL
SIGN SUPPORTS CONCRETE MASONRY
(1) SALVAGED HYBRID DMS ASSEMBLY
(1) SALVAGED POLE-MOUNTED CABINET (FROM CCTV-17-0027)
(1) BREAKER DISCONNECT BOX (SALVAGED)
(1) SALVAGED DMS CONTROLLER,
(1) SALVAGED DMS POWER SUPPLY, AND
(1) CELLULAR MODEM
(BUILD CONCRETE FOOTINGS AND ARRANGE FOR NEW ELECTRICAL SERVICE FOR REVISED DMS-17-0031 PRIOR TO REMOVAL AND SALVAGING OF EXISTING DMS SO THAT THE SIGN MAY BE OPERATIONAL WITHIN 48-HOURS OF TAKING OUT OF SERVICE AS DESCRIBED IN STAGING NOTE)

(1) 2-INCH METALLIC CONDUIT WITH (3) NO. 6 AWG TRAFFIC SIGNAL WIRES

MB576

FO

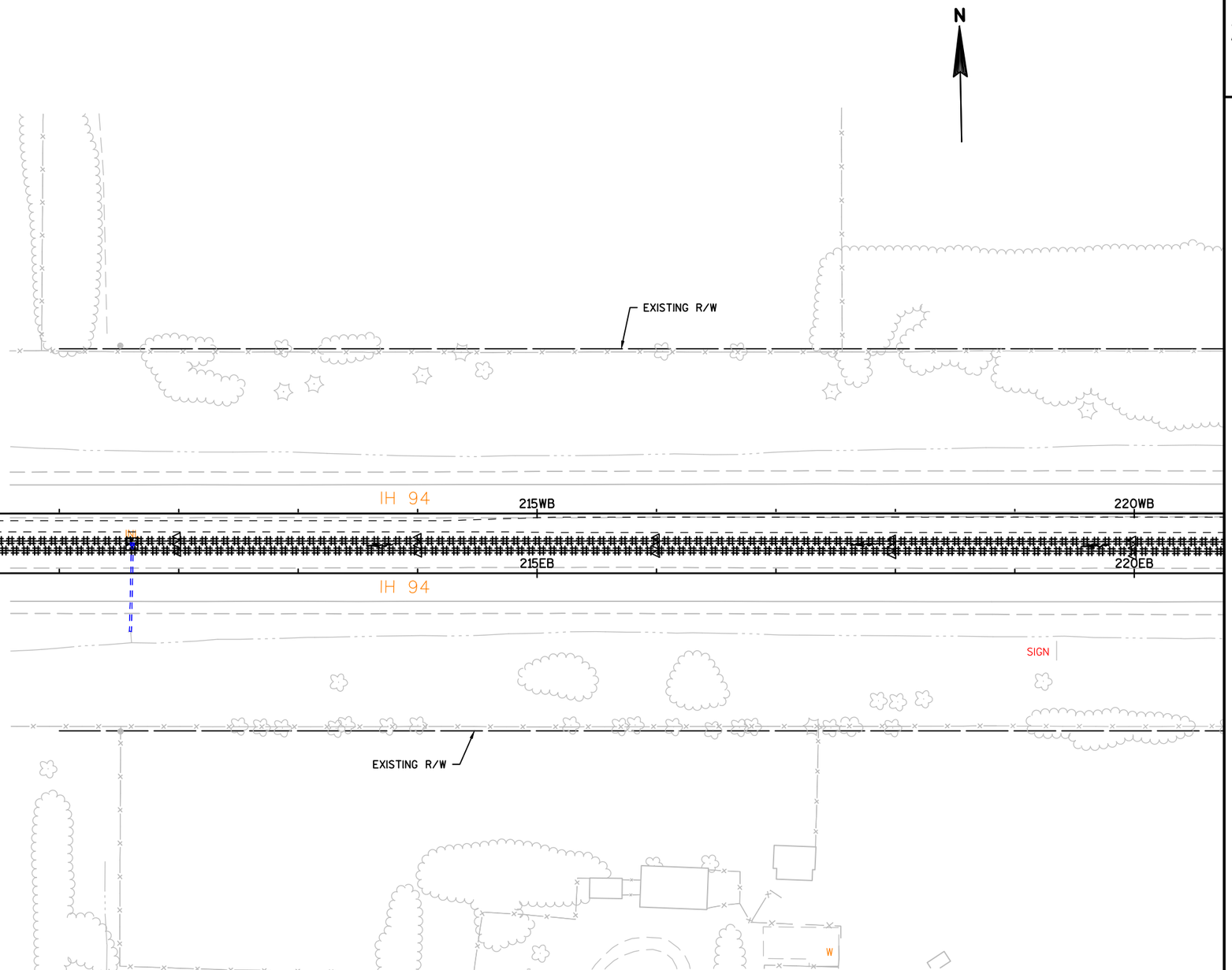
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: DUNN	FTMS DESIGN PLAN SHEETS	SHEET 42	E

2

2

LEGEND

- ###### EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW



PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	EROSION CONTROL	SHEET 43	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\022001_EC_EROSION_CONTROL_WEST.DWG
LAYOUT NAME - 1 - SHEET - (1)

PLOT DATE : 9/17/2018 10:49 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

EXISTING R/W

IH 94

225WB

230WB

IH 94

235WB

225EB

230EB

235EB

IH 94

IH 94

SIGN

EXISTING R/W

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	EROSION CONTROL	SHEET 44	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\022001_EC_EROSION_CONTROL_WEST.DWG
LAYOUT NAME - 2 - SHEET - (2)

PLOT DATE : 9/17/2018 10:49 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

######	EROSION MAT CLASS I, TYPE B
	EROSION MAT CLASS II, TYPE B
	SILT FENCE
	RIP RAP
	SLOPE INTERCEPT
	INLET PROTECTION
	TEMPORARY DITCH CHECK
	CULVERT PIPE CHECK
	SURFACE WATER FLOW

N

EXISTING R/W

240WB IH 94 245WB 250WB IH 94

240EB 245EB 250EB

IH 94 IH 94

SIGN

EXISTING R/W

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	EROSION CONTROL	SHEET 45	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\022001_EC_EROSION_CONTROL_WEST.DWG
LAYOUT NAME - 3 - SHEET - (3)

PLOT DATE : 9/17/2018 10:49 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

EXISTING R/W

EXISTING R/W

STH 128

SIGN

A/C

CAUTION

INL

255WB

260WB

IH 94

265WB

255EB

260EB

IH 94

265EB

STH 128

INL

EXISTING R/W

STH 128

EXISTING R/W

2

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	EROSION CONTROL	SHEET 46	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\022001_EC_EROSION_CONTROL_WEST.DWG
LAYOUT NAME - SHEET - (4)

PLOT DATE : 9/17/2018 10:49 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

EXISTING R/W

SIGN

270WB

IH 94

275WB

280WB

IH 94

270EB

IH 94

275EB

280EB

IH 94

IN

WETLAND

FO

EXISTING R/W

T

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	EROSION CONTROL	SHEET 47	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\022001_EC_EROSION_CONTROL_WEST.DWG
LAYOUT NAME - SHEET - (5)

PLOT DATE : 9/17/2018 10:49 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

EXISTING R/W

SIGN

285WB

IH 94

290WB

295WB

IH 94

INL

INL

285EB

290EB

295EB

IH 94

IH 94

WETLAND

EXISTING R/W

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	EROSION CONTROL	SHEET 48	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\022001_EC_EROSION_CONTROL_WEST.DWG
LAYOUT NAME - SHEET - (6)

PLOT DATE : 9/17/2018 10:49 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

EXISTING R/W

SIGN

IH 94

300WB

305WB

310WB

315W

300EB

305EB

310EB

315E

IH 94

IH 94

SIGN

WETLAND

EXISTING R/W

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	EROSION CONTROL	SHEET 49	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\022001_EC_EROSION_CONTROL_WEST.DWG
LAYOUT NAME - SHEET - (7)

PLOT DATE : 9/17/2018 10:50 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

53rd AVE

EXISTING R/W

EXISTING R/W

WETLAND

310th ST

IH 94

320WB

325WB

330WB

320EB

325EB

330EB

IH 94

WETLAND

WETLAND

EXISTING R/W

SIGN

EXISTING R/W

310th ST

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	EROSION CONTROL	SHEET 50	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\022001_EC_EROSION_CONTROL_WEST.DWG
LAYOUT NAME - SHEET - (8)

PLOT DATE : 9/17/2018 10:50 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

SEPV
SEPV
SEPTIC

53rd AVE
53rd AVE
315th ST

EXISTING R/W

IH 94
335WB
IH 94
340WB
345WB

335EB
340EB
345EB
IH 94
IH 94

SIGN

EXISTING R/W

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	EROSION CONTROL	SHEET 51	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\022001_EC_EROSION_CONTROL_WEST.DWG
LAYOUT NAME - SHEET - (9)

PLOT DATE : 9/17/2018 10:50 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

53rd AVE

53rd AVE

EXISTING R/W

IH 94

350WB

355WB

IH 94

360WB

350EB

355EB

IH 94

360EB

WETLAND

EXISTING R/W

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	EROSION CONTROL	SHEET 52	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\022001_EC_EROSION_CONTROL_WEST.DWG
LAYOUT NAME - SHEET - (10)

PLOT DATE : 9/17/2018 10:51 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

53rd AVE

EXISTING R/W

365WB

IH 94

370WB

375WB

IH

365EB

370EB

375EB

IH 94

IH

EXISTING R/W

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	EROSION CONTROL	SHEET 53	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\022001_EC_EROSION_CONTROL_WEST.DWG
LAYOUT NAME - SHEET - (11)

PLOT DATE : 9/17/2018 10:51 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

SIGN

WETLAND

EXISTING R/W

94

380WB

385WB

IH 94

390WB

IH 94

RIPRAP

RIPRAP

380EB

385EB

390EB

4

IH 94

IH 94

RIPRAP

HORSEMAN DR

EXISTING R/W

SLAB

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	EROSION CONTROL	SHEET 54	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\022001_EC_EROSION_CONTROL_WEST.DWG
LAYOUT NAME - SHEET - (12)

PLOT DATE : 9/17/2018 10:51 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

INGLEMAN DR

EXISTING R/W

SIGN

SIGN

IH 94

395WB

400WB

405WB

395EB

400EB

405EB

IH 94

SIGN

IH 94

EXISTING R/W

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	EROSION CONTROL	SHEET 55	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\022001_EC_EROSION_CONTROL_WEST.DWG
LAYOUT NAME - SHEET - (13)

PLOT DATE : 9/17/2018 10:51 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

EXISTING R/W

IH 94

410WB

415WB

420WB

410EB

415EB

420EB

EXISTING R/W

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	EROSION CONTROL	SHEET 56	E

2

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

DUNN COUNTY
ST CROIX COUNTY

N

EXISTING R/W

SIGN

425WB
IH 94
430WB
435WB

425EB
IH 94
430EB
435EB
IH 94

RIPRAP

SIGN

EXISTING R/W

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	EROSION CONTROL	SHEET 57	E

2

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

EXISTING R/W

RIPRAP

SIGN

IH 94

440WB

440EB

445WB

445EB

450WB

450EB

INL

RIPRAP

SIGN

EXISTING R/W

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	EROSION CONTROL	SHEET 58	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\022001_EC_EROSION_CONTROL_WEST.DWG
LAYOUT NAME - SHEET - (16)

PLOT DATE : 9/17/2018 10:52 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

EXISTING R/W

455WB

455EB

460WB

460EB

IH 94

465WB

465EB

IH 94

EXISTING R/W

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	EROSION CONTROL	SHEET 59	E

2

2

N

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

EXISTING R/W

RUINS

CORN CRIB

RUINS

CONVEYOR

FEEDER

W

EXISTING R/W

482NW

480NW

478NW

476NW

474NW

470WB

IH 94

475WB

480WB

470EB

475EB

480EB

SIGN

472SW

474SW

476SW

SIGN

478SW

480SW

482SW

EXISTING R/W

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	EROSION CONTROL	SHEET 60	E

2

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

EXISTING R/W

EXISTING R/W

EXISTING R/W

484NE
486NE
488NE
490NE
492NE
494NE
496NE
498NE

484SW
486SE
488SE
490SE
492SE
494SE

485WB
490WB
495WB

485EB
490EB
495EB

IH 94

SIGN

CTH Q

SEPV
SEPC
A/C

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	EROSION CONTROL	SHEET 61	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\022001_EC_EROSION_CONTROL_WEST.DWG
LAYOUT NAME - SHEET - (19)

PLOT DATE : 9/17/2018 10:53 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

EXISTING R/W

500WB

505WB

IH 94

510WB

500EB

505EB

IH 94

510EB

EXISTING R/W

CTH Q

8

10

12

SEPV

SEPTIC

SEPV

SEPC

SEPV

SEPC

W

W

T

W

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	EROSION CONTROL	SHEET 62	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\022001_EC_EROSION_CONTROL_WEST.DWG
LAYOUT NAME - SHEET - (20)

PLOT DATE : 9/17/2018 10:53 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

EXISTING R/W

515WB

520WB

525WB

515EB

520EB

525EB

I-94

SIGN

CTH Q

EXISTING R/W

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	EROSION CONTROL	SHEET 63	E

2

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

EXISTING R/W

530WB

IH 94

535WB

540WB

IH 94

530EB

535EB

540EB

IH 94

SIGN

EXISTING R/W

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	EROSION CONTROL	SHEET 64	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\022001_EC_EROSION_CONTROL_WEST.DWG
LAYOUT NAME - SHEET - (22)

PLOT DATE : 9/17/2018 10:53 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

EXISTING R/W

SIGN

545WB

545EB

550WB

550EB

IH 94

555WB

555EB

IH 94

SIGN

EXISTING R/W

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	EROSION CONTROL	SHEET 65	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\022001_EC_EROSION_CONTROL_WEST.DWG
LAYOUT NAME - SHEET - (23)

PLOT DATE : 9/17/2018 10:54 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

EXISTING R/W

IH 94

560WB

560EB

565WB

565EB

570WB

570EB

IH 94

IH 94

EXISTING R/W

2

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	EROSION CONTROL	SHEET 66	E

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

160th ST

EXISTING R/W

EXISTING R/W

EXISTING R/W

IH 94

575WB

580WB

585WB

590WB

575EB

580EB

585EB

590EB

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	EROSION CONTROL	SHEET 67	E

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

EXISTING R/W

590WB

595WB

600WB

590EB

595EB

600EB

IH 94

EXISTING R/W

2

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	EROSION CONTROL	SHEET 68	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\022001_EC_EROSION_CONTROL_WEST.DWG
LAYOUT NAME - SHEET - (26)

PLOT DATE : 9/17/2018 10:54 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

610WB

605WB

615WB

620WB

IH 94

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

RIPRAP

640EB

605EB

615EB

IH 94

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	EROSION CONTROL	SHEET 69	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\022001_EC_EROSION_CONTROL_WEST.DWG
LAYOUT NAME - SHEET - (27)

PLOT DATE : 9/17/2018 10:55 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

EXISTING R/W

620WB

IH 94

625WB

630WB

635WB

635EB

630EB

625EB

620EB

IH 94

IH 94

EXISTING R/W

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	EROSION CONTROL	SHEET 70	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\022001_EC_EROSION_CONTROL_WEST.DWG
LAYOUT NAME - SHEET - (28)

PLOT DATE : 9/17/2018 10:55 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

EXISTING R/W

5WB 640WB IH 94 645WB IH 94 650WB

635EB 640EB 645EB 650EB

IH 94 IH 94

EXISTING R/W

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	EROSION CONTROL	SHEET	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\022001_EC_EROSION_CONTROL_WEST.DWG
LAYOUT NAME - SHEET - (29)

PLOT DATE : 9/17/2018 10:55 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

EXISTING R/W

655WB

IH 94

660WB

665WB

655EB

660EB

665EB

IH 94

SIGN

EXISTING R/W

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	EROSION CONTROL	SHEET 72	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\022001_EC_EROSION_CONTROL_WEST.DWG
LAYOUT NAME - SHEET - (30)

PLOT DATE : 9/17/2018 10:55 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

EXISTING R/W

IH 94

670WB

675WB

680WB

670EB

675EB

680EB

EXISTING R/W

RUSH CR

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	EROSION CONTROL	SHEET 73	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\022001_EC_EROSION_CONTROL_WEST.DWG
LAYOUT NAME - SHEET - (31)

PLOT DATE : 9/17/2018 10:55 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

EXISTING R/W

RUINS

IH 94

685WB

690WB

695WB

685EB

690EB

695EB

EXISTING R/W

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	EROSION CONTROL	SHEET 74	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\022001_EC_EROSION_CONTROL_WEST.DWG
LAYOUT NAME - SHEET - (32)

PLOT DATE : 9/17/2018 10:56 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- ###### EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

250th

SEPTIC

SEPV

SEPC

SEPV

SEPC

EXISTING R/W

IH 94

700WB

705WB

710WB

IH 94

700EB

705EB

710EB

IH 94

SIGN

EXISTING R/W

50th ST

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	EROSION CONTROL	SHEET 75	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\022001_EC_EROSION_CONTROL_WEST.DWG
LAYOUT NAME - 33 - SHEET - (33)

PLOT DATE : 9/17/2018 10:56 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

EXISTING R/W

715WB 720WB IH 94 725WB

715EB 720EB IH 94 725EB

EXISTING R/W

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	EROSION CONTROL	SHEET 76	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\022001_EC_EROSION_CONTROL_WEST.DWG
LAYOUT NAME - 34 - SHEET - (34)

PLOT DATE : 9/17/2018 10:56 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

N

STH 128

STA BACK = 262+80.58
STA AHEAD = 262+80.55

1-1

REMOVE

W4-1R
48"X48"

INL

254 256 258 260 IH 94 262 264 266 268

IH 94 WB R/L

IH 94 EB R/L

INL

INL

INL

254 256 258 260 262 264 266 268

IH 94

STH 128

STA BACK = 262+80.62
STA AHEAD = 262+80.59

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN TYPE I
- CANTILEVER SIGN BRIDGE
- X-X DENOTES SIGN NUMBER

1-3

EXIT 28

REMOVE
72"X60"

EXIT 28

E5-1A
72"X60"

N

EXIT 28

128

Elmwood
Glenwood City

EXIT ONLY

E1-5P
108"X30"

1-6

E6-1
204"X114"

1-5

E11-1D
204"X42"

1-4

1-7

SIGN

EXIT 28

108"X30"

128

Elmwood
Glenwood City

REMOVE
300"X132"

270 272 IH 94 274 276 278 280 IH 94 282

IH 94 WB R/L

IH 94 EB R/L

INL

INL

270 272 274 276 278 280 282

IH 94

IH 94

STA 279WB+00, 55.0' LT
SIGN BRIDGE CANTILEVERED
S-55-72 REQ'D.
SEE STRUCTURE PLANS

1-2

REMOVE

W4-1R
48"X48"

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PERMANENT SIGNING - IH 94 MAINLINE	SHEET 77	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\023201_PS_PERMANENT_SIGNING_WEST.DWG
LAYOUT NAME - SHEET - (3)

PLOT DATE : 7/30/2018 9:14 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

STA BACK = 286+58.42
STA AHEAD = 286+56.69

REMOVE
D10-2
12"X36"

2-2

REMOVE
R3-4-B
36"X48"

2-5

GAS - EXIT 28
KWIK TRIP
FOOD - EXIT 28
HEARTY PLATTER
SIS
MOVE BY OTHERS

SIGN

N

IH 94

IH 94 WB R/L

IH 94 EB R/L

INL

2-1

REMOVE

2-3

REMOVE
D10-2
12"X36"

REMOVE
R3-4-B
36"X48"

2-4

2-6

J4-1
36"X54"

2-7

REMOVE

R2-1
48"X60"

2-8

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN TYPE I
- CANTILEVER SIGN BRIDGE
- X-X DENOTES SIGN NUMBER

Wilson
Spring Valley
EXIT 28

REMOVE
168"X84"

2-9

Wilson
Spring Valley
EXIT 28

E3-1
168"84"

SIGN

Hwy Q 3
Menomonie 13
Eau Claire 37

REMOVE
192"X90"

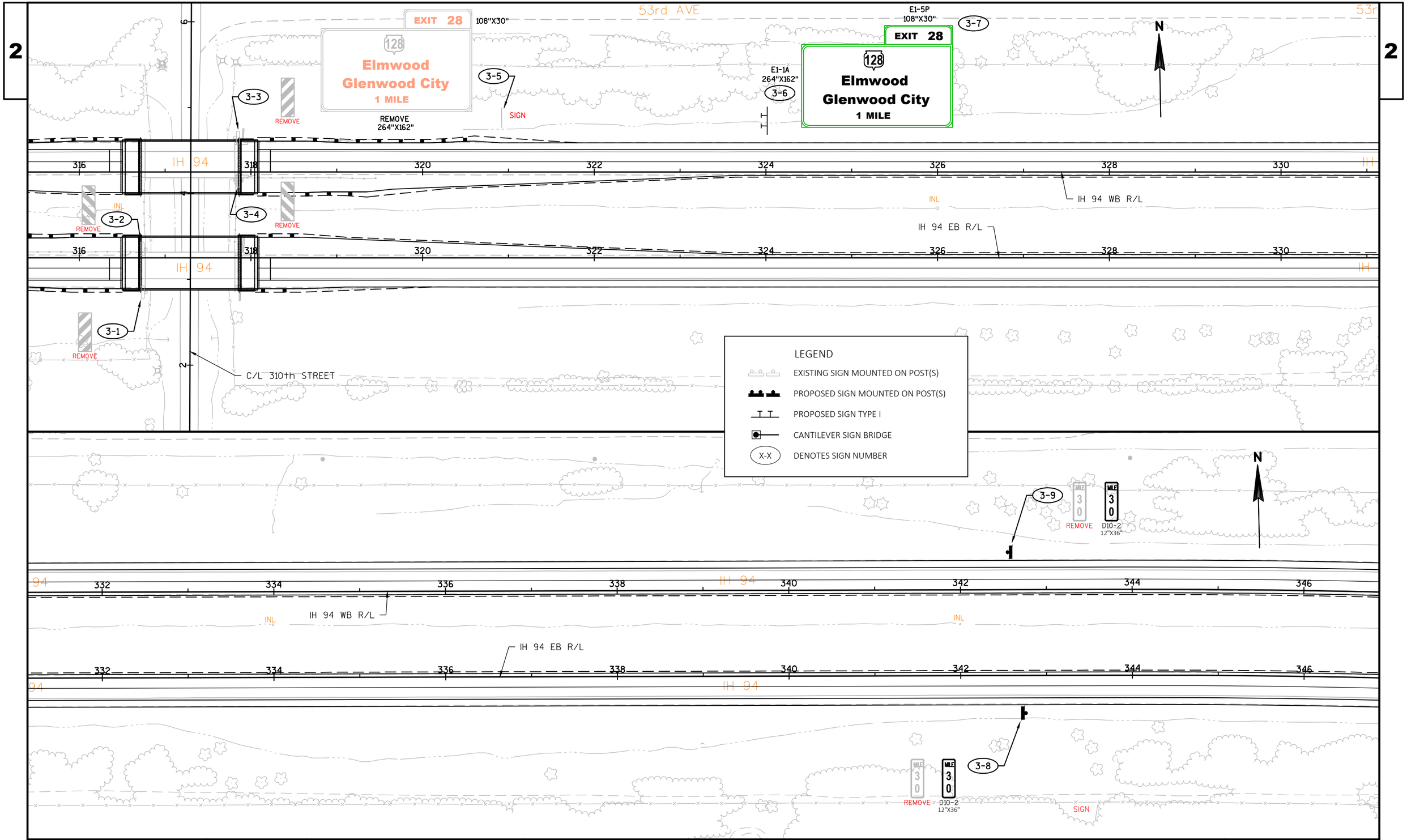
2-10

Q 3
Menomonie 13
Eau Claire 37

E8-1A
192"84"

STA BACK = 311+76.39
STA AHEAD = 311+74.50

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PERMANENT SIGNING - IH 94 MAINLINE	SHEET 78	E



PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	PERMANENT SIGNING - IH 94 MAINLINE	SHEET 79 E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\023201_PS_PERMANENT_SIGNING_WEST.DWG
LAYOUT NAME - SHEET - (7)

PLOT DATE : 7/30/2018 9:15 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

53rd AVE

53rd AVE

N

348 350 352 354 356 358 360 362

IH 94

IH 94 WB R/L

INL

INL

IH 94 EB R/L

348 350 352 354 356 358 360 362

IH 94

IH 94

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN TYPE I

CANTILEVER SIGN BRIDGE

X-X DENOTES SIGN NUMBER

STA BACK = 365+63.37

STA AHEAD = 365+53.63

N

364 366 368 370 372 374 376

IH 94

IH 94 WB R/L

INL

INL

IH 94 EB R/L

364 366 368 370 372 374 376

IH 94

IH 94

STA BACK = 365+44.62

STA AHEAD = 365+53.63

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PERMANENT SIGNING - IH 94 MAINLINE	SHEET 80	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\023201_PS_PERMANENT_SIGNING_WEST.DWG
LAYOUT NAME - SHEET - (9)

PLOT DATE : 7/30/2018 9:15 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

SIGN

N

IH 94

IH 94 WB R/L

IH 94 EB R/L

INL

378 380 382 384 386 388 390 392

5-1 5-2 5-3 5-4

REMOVE

RIPRAP

C/L 50th AVENUE

CORSEMAN DR

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN TYPE I

CANTILEVER SIGN BRIDGE

X-X DENOTES SIGN NUMBER

5-5 5-6 5-7 5-8

MILE 3 1

D10-2 12"X36"

SLOWER TRAFFIC KEEP RIGHT

R4-3 48"X60"

394 396 398 400 402 404 406 408

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PERMANENT SIGNING - IH 94 MAINLINE	SHEET 81	E

2

2

IH 94 WB R/L

IH 94 EB R/L

IH 94

INL

410 412 414 416 418 420 422 424

EMERGENCY STOPPING ONLY
REMOVE

EMERGENCY STOPPING ONLY
R8-7
48"X36"

6-1

STA BACK = 421+97.17
STA AHEAD = 422+28.48

N

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN TYPE I
- CANTILEVER SIGN BRIDGE
- X-X DENOTES SIGN NUMBER

DUNN COUNTY
ST CROIX COUNTY

6-3

St Croix Co
REMOVE

St Croix Co
I2-2
84"X21"

6-5

SIGN

R3-4-B
36"X48"
REMOVE

6-9

EMERGENCY STOPPING ONLY
REMOVE

EMERGENCY STOPPING ONLY
R8-7
48"X36"

426 428 430 432 434 436 438

IH 94

IH 94 WB R/L

IH 94 EB R/L

INL

6-4

SIGN

R3-4-B
36"X48"
REMOVE

E1-5P
108"X30"

6-8

EXIT 32

Q

Knapp

1/2 MILE

NEXT EXIT 9 MILES

E2-1
156"X24"

6-6

E1-1A
132"X120"

6-7

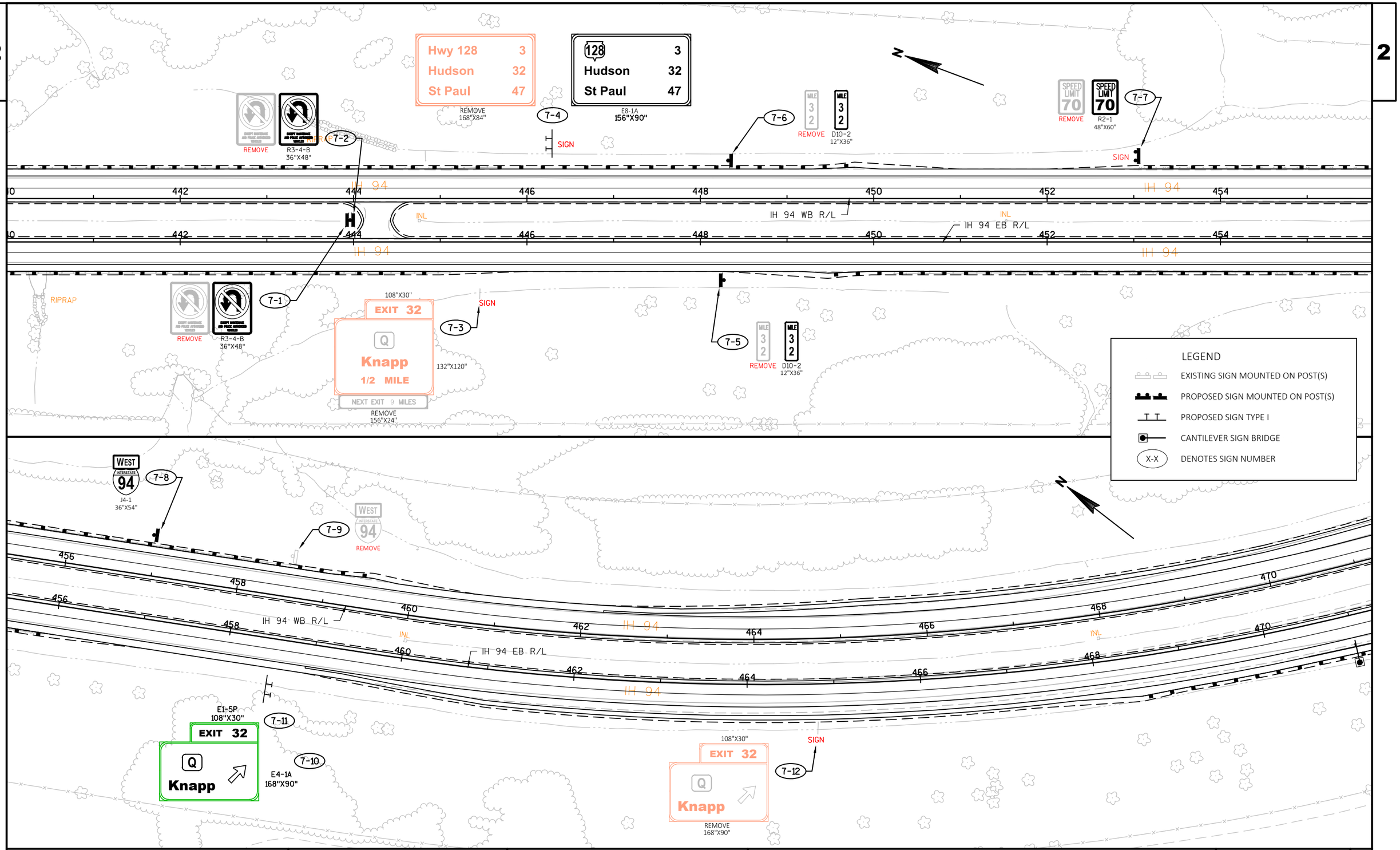
RIPRAP

6-2

Dunn Co
REMOVE

Dunn Co
I2-2
66"X21"

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PERMANENT SIGNING - IH 94 MAINLINE	SHEET 82	E



PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	PERMANENT SIGNING - IH 94 MAINLINE	SHEET 83	E

STA 471EB+00, 55.5' RT
SIGN BRIDGE CANTILEVERED
S-17-13 REQ'D.
SEE STRUCTURE PLANS

STA BACK = 473+37.26
STA AHEAD = 473+47.47

STA BACK = 473+94.29
STA AHEAD = 473+78.05

IH 94

IH 94 WB R/L

IH 94 EB R/L

INL

SIGN

E1-5P
108"X30"
EXIT 32
Q
Knapp
EXIT ONLY

E6-1
168"X78"

E11-1D
168"X42"

8-1 8-2 8-3 8-4

EXIT 32
REMOVE
72"X60"

EXIT 32
E5-1A
72"X60"

8-5 8-6 8-7 8-8 8-9 8-10

REMOVE

W4-1R
48"X48"

RIP-RAP

EXISTING DMS-17-0031

AVAILABLE TRUCK PARKING
REST AREA 10 MILES XX
REST AREA 91 MILES XX

264"X126"

MOVE

C/L CTH Q

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN TYPE I
- CANTILEVER SIGN BRIDGE
- X-X DENOTES SIGN NUMBER

EXIT 32
E5-1A
72"X60"

8-11 8-12 8-13

REMOVE
72"X60"

REMOVE

W4-1R
48"X48"

E1-5P
108"X30"
EXIT 32
Q
Knapp

E4-1A
168"X90"

8-14 8-15 8-16 8-17

108"X30"
EXIT 32
Q
Knapp

REMOVE
168"X90"

MILE 33

REMOVE D10-2
12"X36"

SEPV SEPC A/C

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	PERMANENT SIGNING - IH 94 MAINLINE	SHEET 84	E

2

2

N

IH 94

IH 94 WB R/L

IH 94 EB R/L

INL

502 504 506 508 510 512 514 516

STA BACK = 515+68.35
STA AHEAD = 515+61.30

REMOVE

R3-4-B
36"X48"

9-4

9-1

9-2

9-3

EAST INTERSTATE 94

J4-1
36"X54"

STA BACK = 516+09.56
STA AHEAD = 516+13.33

CTH Q

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN TYPE I
- CANTILEVER SIGN BRIDGE
- X-X DENOTES SIGN NUMBER

518 520 522 524 526 528 530 532

SIGN

9-5

SPEED LIMIT 70

REMOVE

R2-1
48"X60"

Menomonie	8
Elk Mound	19
Eau Claire	32

REMOVE
192"X84"

9-6

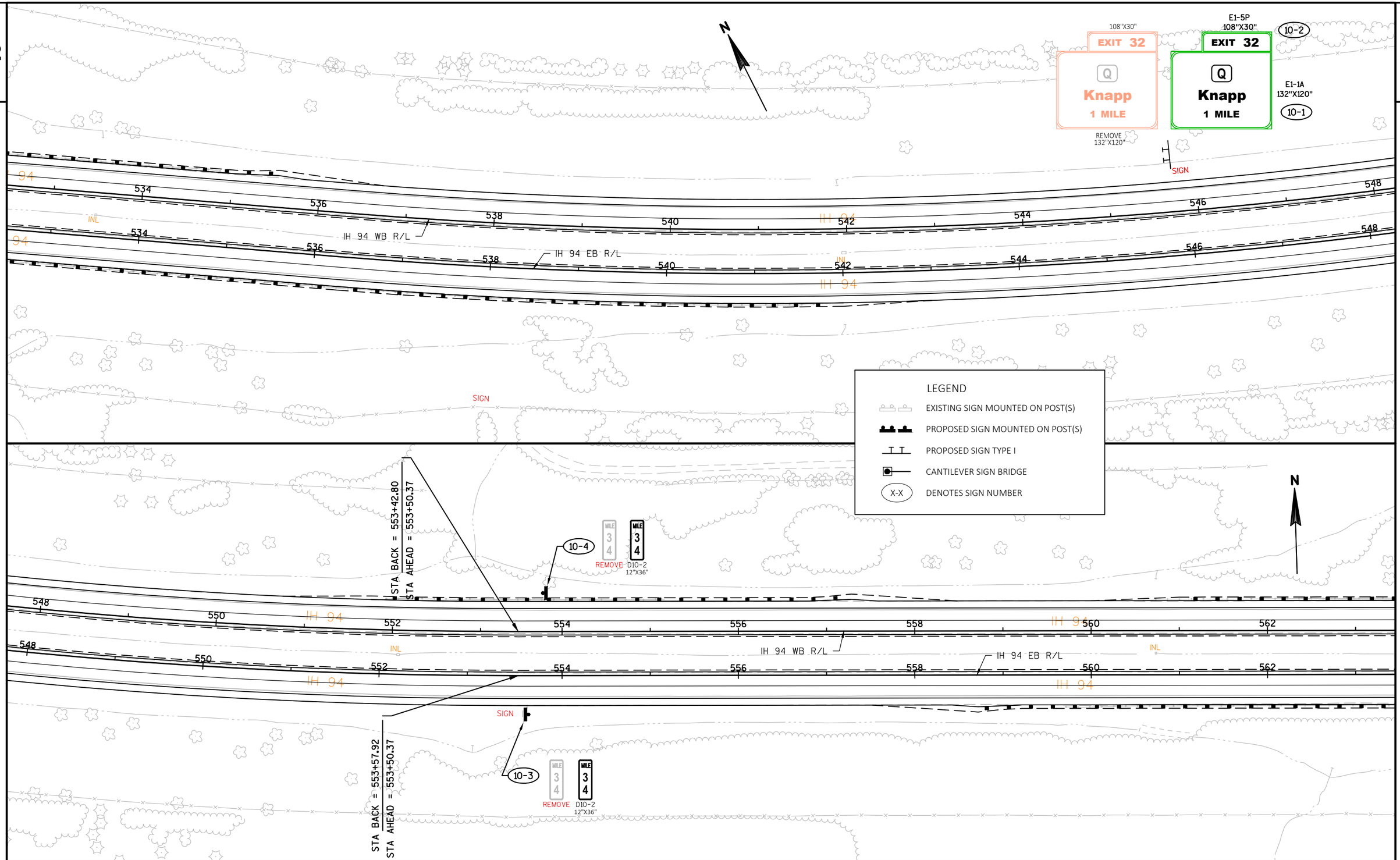
E8-1A
192"X84"

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	PERMANENT SIGNING - IH 94 MAINLINE	SHEET 85	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\023201_PS_PERMANENT_SIGNING_WEST.DWG
LAYOUT NAME - SHEET - (19)

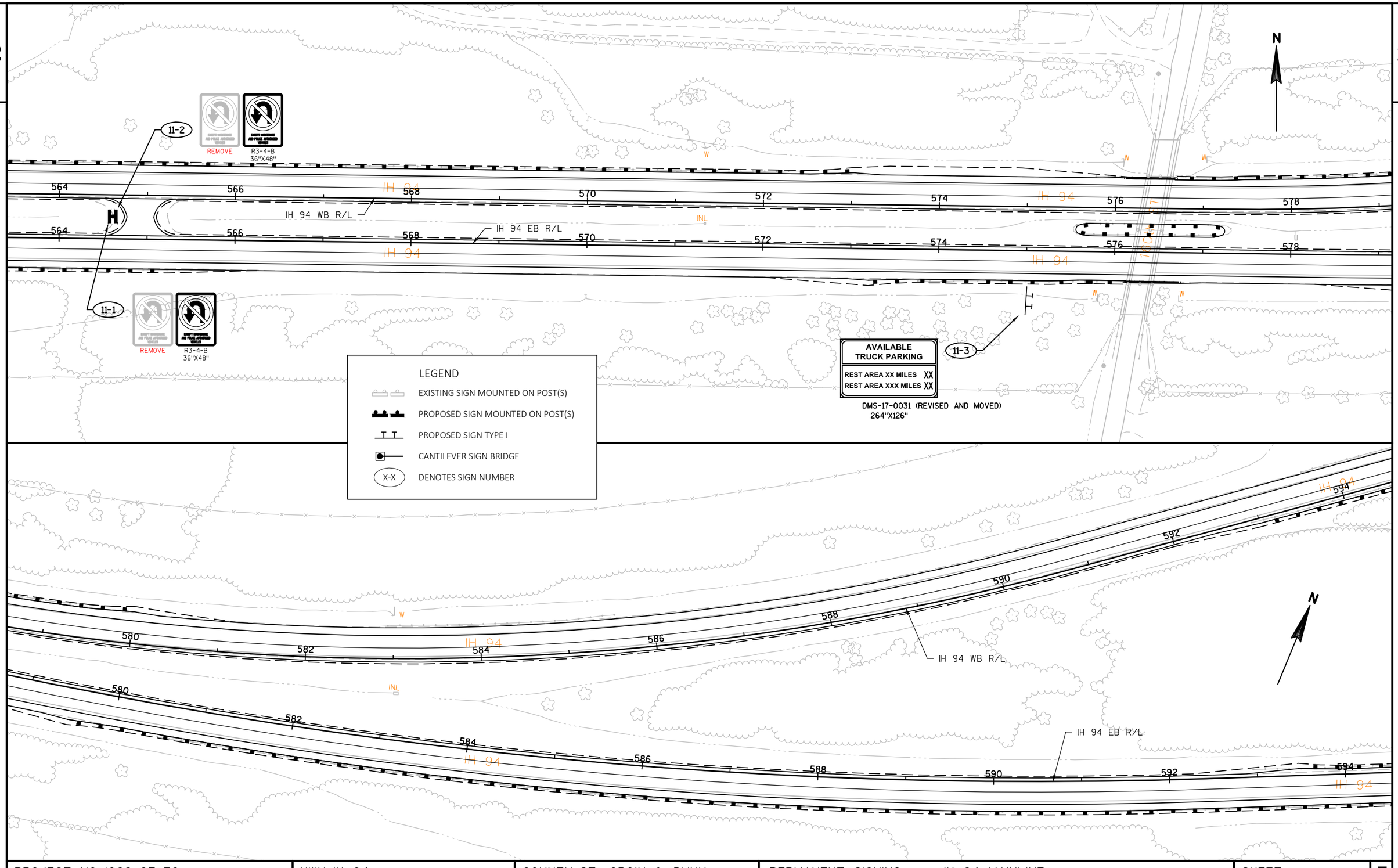
PLOT DATE : 7/30/2018 9:17 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	PERMANENT SIGNING - IH 94 MAINLINE	SHEET 86 E

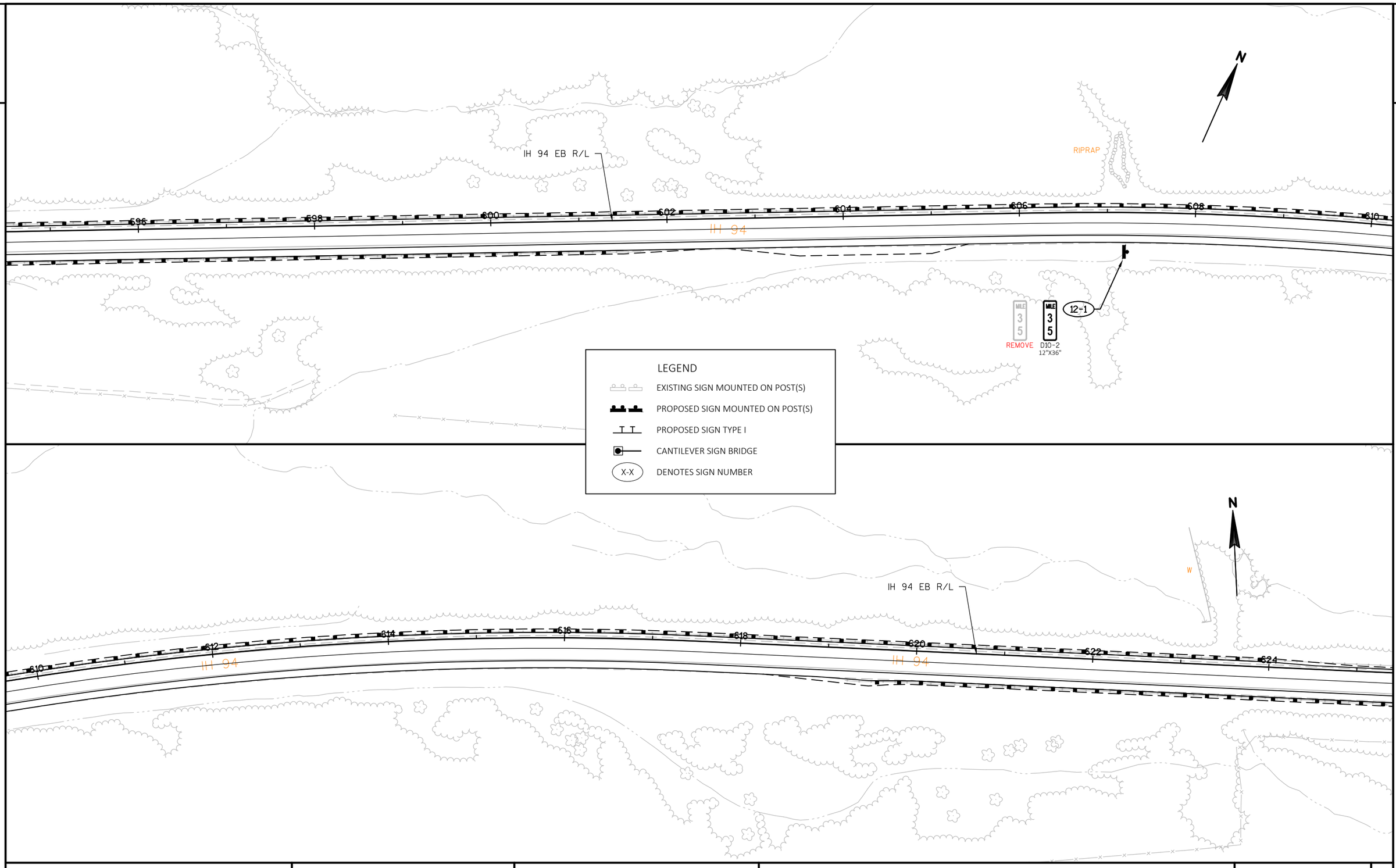
2



PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PERMANENT SIGNING - IH 94 MAINLINE	SHEET 87	E

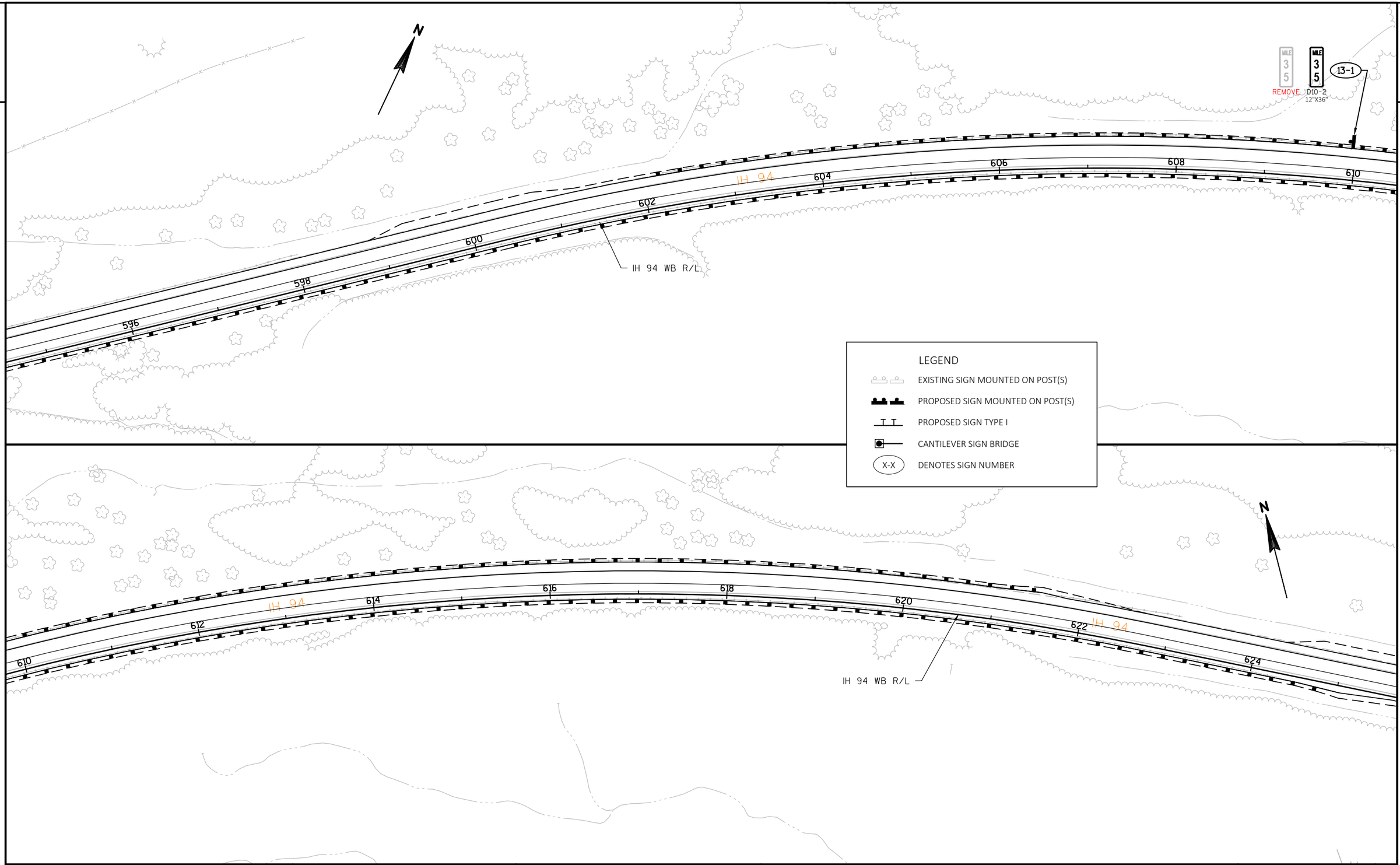
FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\023201_PS_PERMANENT_SIGNING_WEST.DWG
LAYOUT NAME - SHEET - (23)
PLOT DATE : 7/30/2018 9:18 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2



PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	PERMANENT SIGNING - IH 94 EASTBOUND	SHEET 88	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\023201_PS_PERMANENT_SIGNING_WEST.DWG
LAYOUT NAME - SHEET - (25)
PLOT DATE : 7/30/2018 9:19 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



2

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	PERMANENT SIGNING - IH 94 WESTBOUND	SHEET 89	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\023201_PS_PERMANENT_SIGNING_WEST.DWG
LAYOUT NAME - SHEET - (27)
PLOT DATE : 7/30/2018 9:19 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

626 628 630 632 634 636 638 640

IH 94

IH 94 WB R/L

STA BACK = 636+97.88
STA AHEAD = 637+06.79

N

INL

IH 94 EB R/L

624 626 628 630 632 634 636 640

IH 94

STA BACK = 636+41.90
STA AHEAD = 638+52.10

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN TYPE I
- CANTILEVER SIGN BRIDGE
- X-X DENOTES SIGN NUMBER

IH 94 642 644 646 648 650 652 654 656

IH 94 WB R/L

N

INL

IH 94 EB R/L

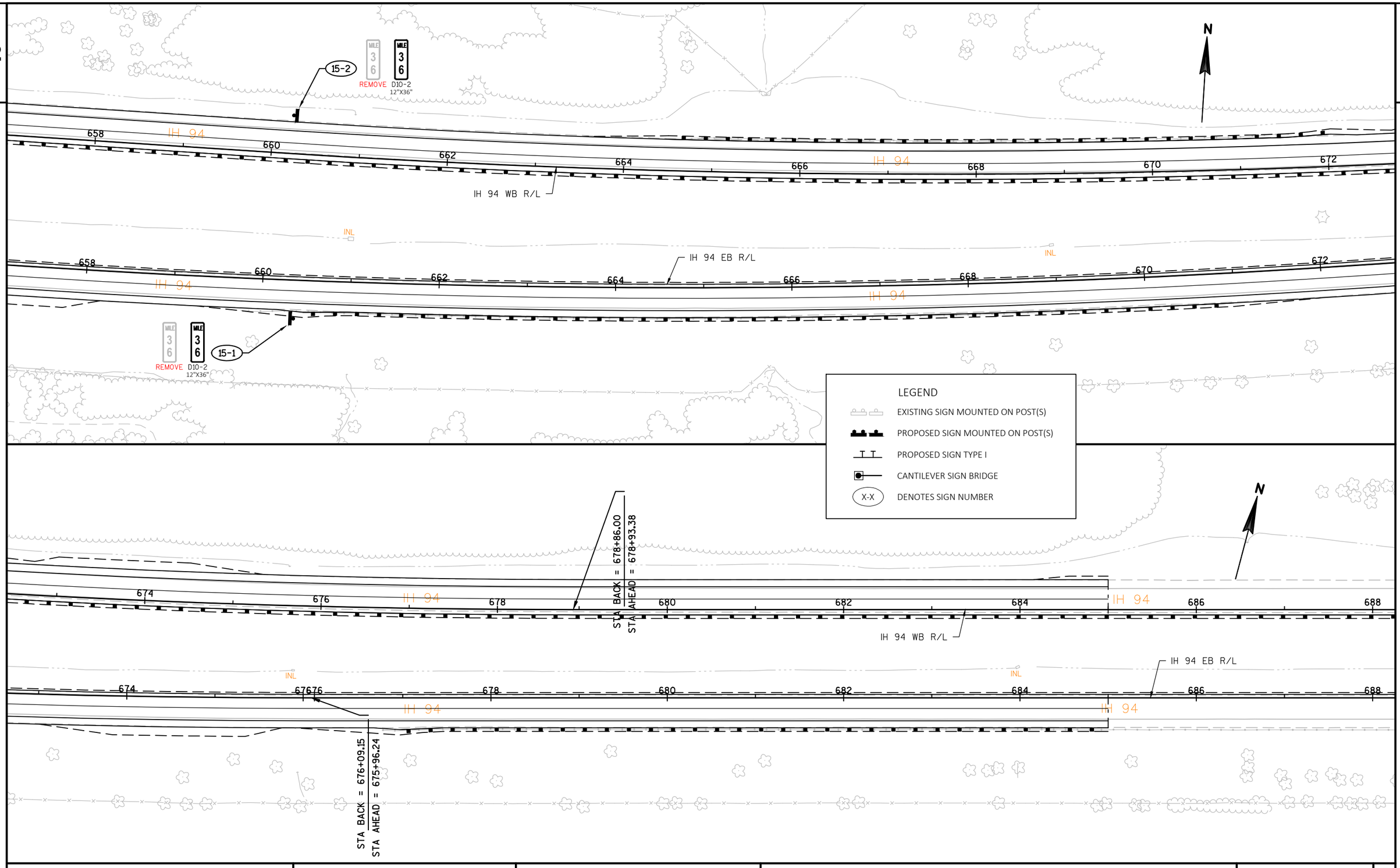
642 644 646 648 650 652 654 656

IH 94

SIGN

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PERMANENT SIGNING - IH 94 MAINLINE	SHEET 90	E

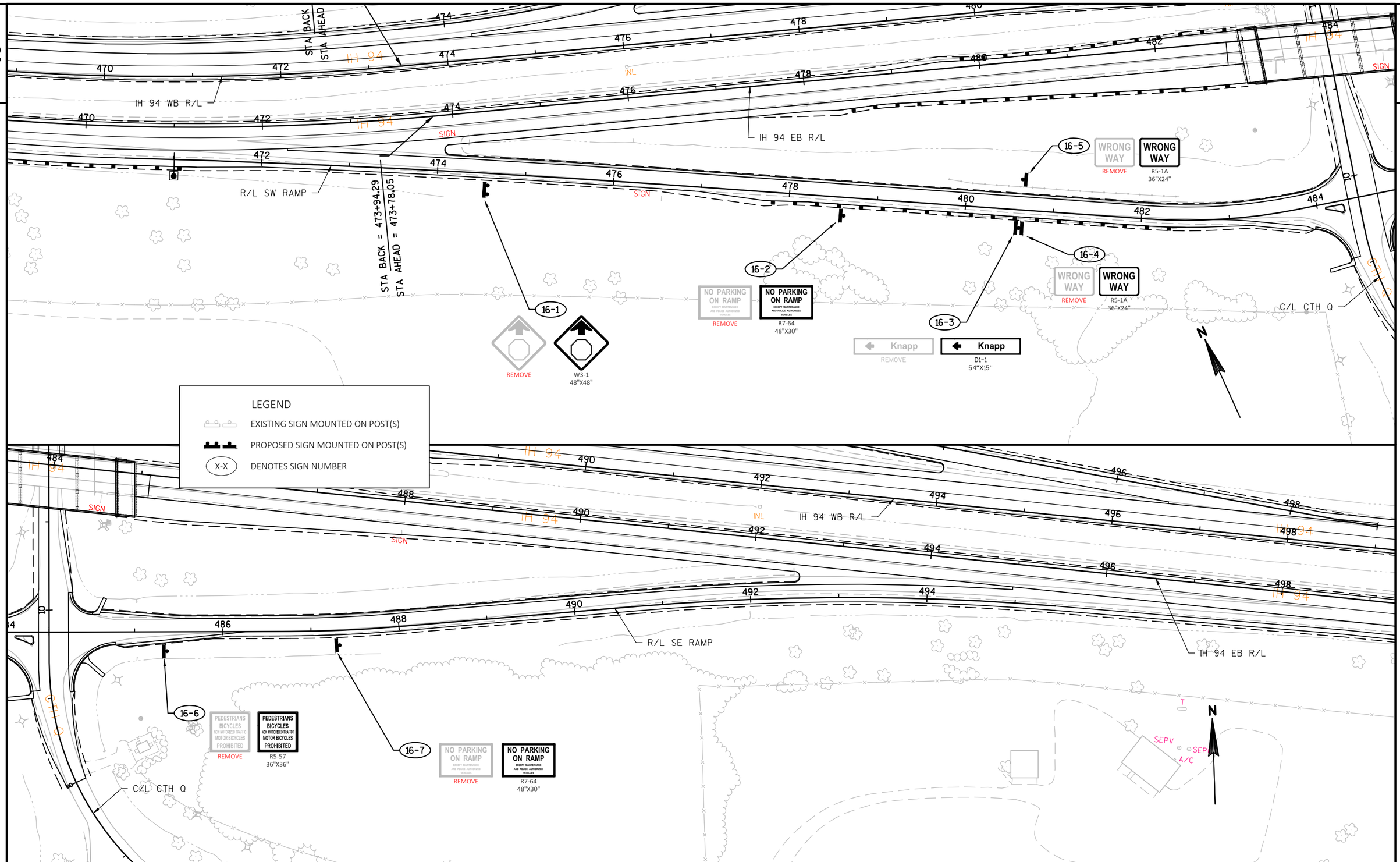
FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\023201_PS_PERMANENT_SIGNING_WEST.DWG
LAYOUT NAME - SHEET - (29)
PLOT DATE : 7/30/2018 9:20 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PERMANENT SIGNING - IH 94 MAINLINE	SHEET 91	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\023201_PS_PERMANENT_SIGNING_WEST.DWG
LAYOUT NAME - SHEET - (31)

PLOT DATE : 7/30/2018 9:20 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

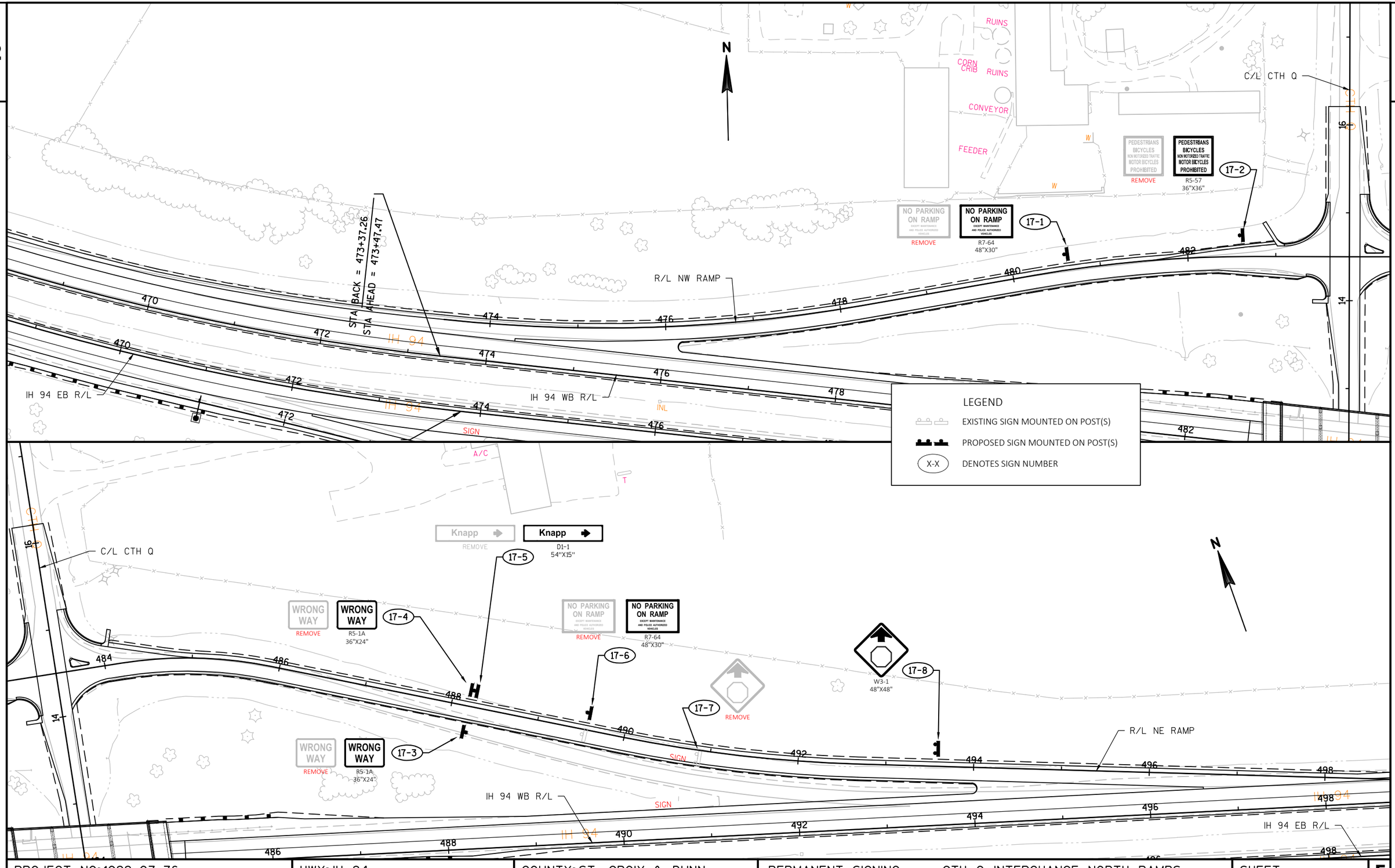


PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PERMANENT SIGNING - CTH Q INTERCHANGE SOUTH RAMPS	SHEET 92	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\023201_PS_PERMANENT_SIGNING_WEST.DWG
LAYOUT NAME - EB RAMPS - (1)

PLOT DATE : 7/30/2018 9:21 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

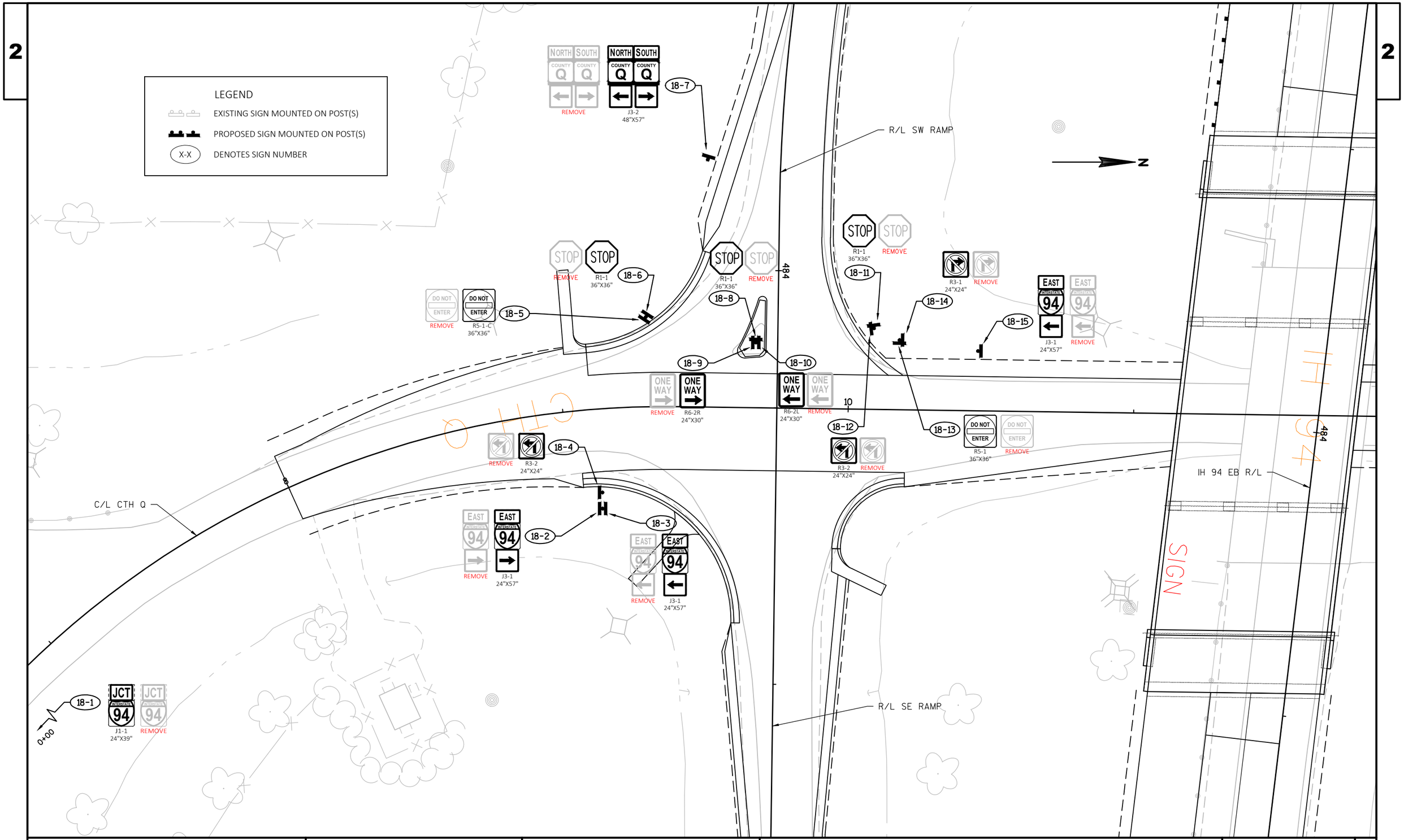
WISDOT/CADDS SHEET 44



PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PERMANENT SIGNING - CTH Q INTERCHANGE NORTH RAMPS	SHEET 93	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\023201_PS_PERMANENT_SIGNING_WEST.DWG
LAYOUT NAME - WB RAMPS - (2)

PLOT DATE : 7/30/2018 9:21 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PERMANENT SIGNING - CTH Q SOUTH RAMP TERMINALS	SHEET 94	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\023201_PS_PERMANENT_SIGNING_WEST.DWG
LAYOUT NAME - CTH Q - (1)
PLOT DATE : 7/30/2018 9:21 AM
PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : **********

2

RIPRAP

IH 94 WB R/L

R/L NW RAMP

R/L NE RAMP

C/L CTH Q

CTH Q

484

14

16

W1-1L
36"X36"

19-1

25 MPH
W13-1
24"X24"

25 MPH
REMOVE

19-17

DO NOT ENTER
REMOVE

DO NOT ENTER
R5-1
36"X36"

19-3

19-6

REMOVE
R3-2
24"X24"

WEST 94
REMOVE

WEST 94
J3-1
24"X57"

19-14

19-13

WEST 94
J3-1
24"X57"

WEST 94
REMOVE

19-15

REMOVE
R3-2
24"X24"

JCT 94
J1-1
24"X39"

JCT 94
REMOVE

19-16

24+15

ONE WAY
REMOVE

ONE WAY
R6-2L
24"X30"

19-8

19-9

ONE WAY
R6-2R
24"X30"

ONE WAY
REMOVE

19-12

DO NOT ENTER
R5-1-C
36"X36"

DO NOT ENTER
REMOVE

19-7

STOP
REMOVE

STOP
R1-1
36"X36"

WEST 94
REMOVE

WEST 94
J3-1
24"X57"

19-2

19-5

STOP
REMOVE

STOP
R1-1
36"X36"

REMOVE
R3-1
24"X24"

19-4

19-11

STOP
R1-1
36"X36"

STOP
REMOVE

SOUTH NORTH COUNTY Q
J3-2
48"X57"

SOUTH NORTH COUNTY Q
REMOVE

19-10

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

X-X DENOTES SIGN NUMBER

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PERMANENT SIGNING - CTH Q NORTH RAMP TERMINALS	SHEET 95	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\023201_PS_PERMANENT_SIGNING_WEST.DWG
LAYOUT NAME - CTH Q - (2)
PLOT DATE : 7/30/2018 9:22 AM
PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : **********

2

PAVEMENT MARKING GENERAL NOTES:

FOR IH 94 MAINLINE PAVEMENT MARKING INSTALLATION FOLLOW SDD "LONGITUDINAL MARKING (MAINLINE)".

FOR IH 94 EXIT AND ENTRANCE RAMP PAVEMENT MARKING INSTALLATION FOLLOW SDD "PAVEMENT MARKING (RAMPS AND GORES)".

FOR CTH Q INTERCHANGE PAVEMENT MARKING INSTALLATION FOLLOW SDD'S "PAVEMENT MARKING (ISLANDS)", "STOP LINE AND CROSSWALK PAVEMENT MARKING", AND "PAVEMENT MARKING (INTERSECTIONS)".

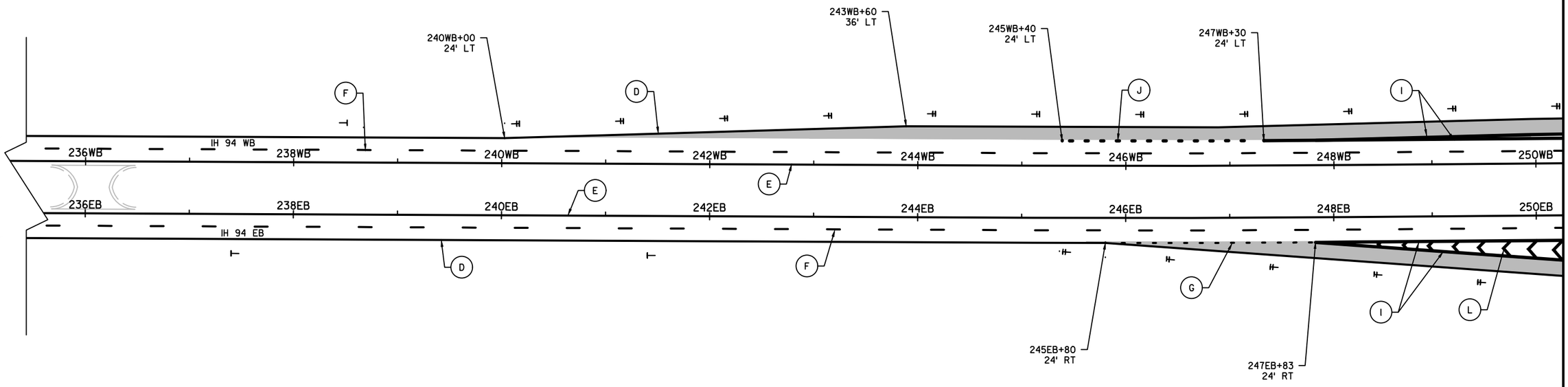
N

LEGEND

DELINEATOR

DOUBLE DELINEATOR

WHITE/RIGHT YELLOW/LEFT



PAVEMENT MARKING LEGEND

- (A) MARKING LINE EPOXY 4-INCH (WHITE EDGELINE)
- (B) MARKING LINE EPOXY 4-INCH (WHITE 3' LINE, 9' GAP)
- (C) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW CENTERLINE)
- (D) MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE EDGELINE)
- (E) MARKING LINE GROOVED WET REF EPOXY 4-INCH (YELLOW EDGELINE)
- (F) MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE LANE LINE)
- (G) MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE 3' LINE, 9' GAP)
- (H) MARKING LINE EPOXY 8-INCH (WHITE CHANNELIZING)
- (I) MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE GORE)
- (J) MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE 3' LINE, 9' GAP)
- (K) MARKING STOP LINE EPOXY 18-INCH
- (L) MARKING CHEVRON EPOXY 24-INCH

PAVEMENT MARKING GENERAL NOTES:

FOR IH 94 MAINLINE PAVEMENT MARKING INSTALLATION FOLLOW SDD "LONGITUDINAL MARKING (MAINLINE)".

FOR IH 94 EXIT AND ENTRANCE RAMP PAVEMENT MARKING INSTALLATION FOLLOW SDD "PAVEMENT MARKING (RAMPS AND GORES)".

FOR CTH Q INTERCHANGE PAVEMENT MARKING INSTALLATION FOLLOW SDD'S "PAVEMENT MARKING (ISLANDS)", "STOP LINE AND CROSSWALK PAVEMENT MARKING", AND "PAVEMENT MARKING (INTERSECTIONS)".

LEGEND

DELINEATOR

DOUBLE DELINEATOR

WHITE/RIGHT YELLOW/LEFT

N

250WB 252WB 254WB 256WB IH 94 WB 258WB 260WB 262WB 264WB

250EB 252EB 254EB 256EB 258EB 260EB 262EB 264EB IH 94 EB

STH 128

PAVEMENT MARKING LEGEND

- (A) MARKING LINE EPOXY 4-INCH (WHITE EDGELINE)
- (B) MARKING LINE EPOXY 4-INCH (WHITE 3' LINE, 9' GAP)
- (C) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW CENTERLINE)
- (D) MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE EDGELINE)
- (E) MARKING LINE GROOVED WET REF EPOXY 4-INCH (YELLOW EDGELINE)
- (F) MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE LANE LINE)
- (G) MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE 3' LINE, 9' GAP)
- (H) MARKING LINE EPOXY 8-INCH (WHITE CHANNELIZING)
- (I) MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE GORE)
- (J) MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE 3' LINE, 9' GAP)
- (K) MARKING STOP LINE EPOXY 18-INCH
- (L) MARKING CHEVRON EPOXY 24-INCH

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PAVEMENT MARKING	SHEET 97	E

2

2

PAVEMENT MARKING GENERAL NOTES:

FOR IH 94 MAINLINE PAVEMENT MARKING INSTALLATION FOLLOW SDD "LONGITUDINAL MARKING (MAINLINE)".

FOR IH 94 EXIT AND ENTRANCE RAMP PAVEMENT MARKING INSTALLATION FOLLOW SDD "PAVEMENT MARKING (RAMPS AND GORES)".

FOR CTH Q INTERCHANGE PAVEMENT MARKING INSTALLATION FOLLOW SDD'S "PAVEMENT MARKING (ISLANDS)", "STOP LINE AND CROSSWALK PAVEMENT MARKING", AND "PAVEMENT MARKING (INTERSECTIONS)".

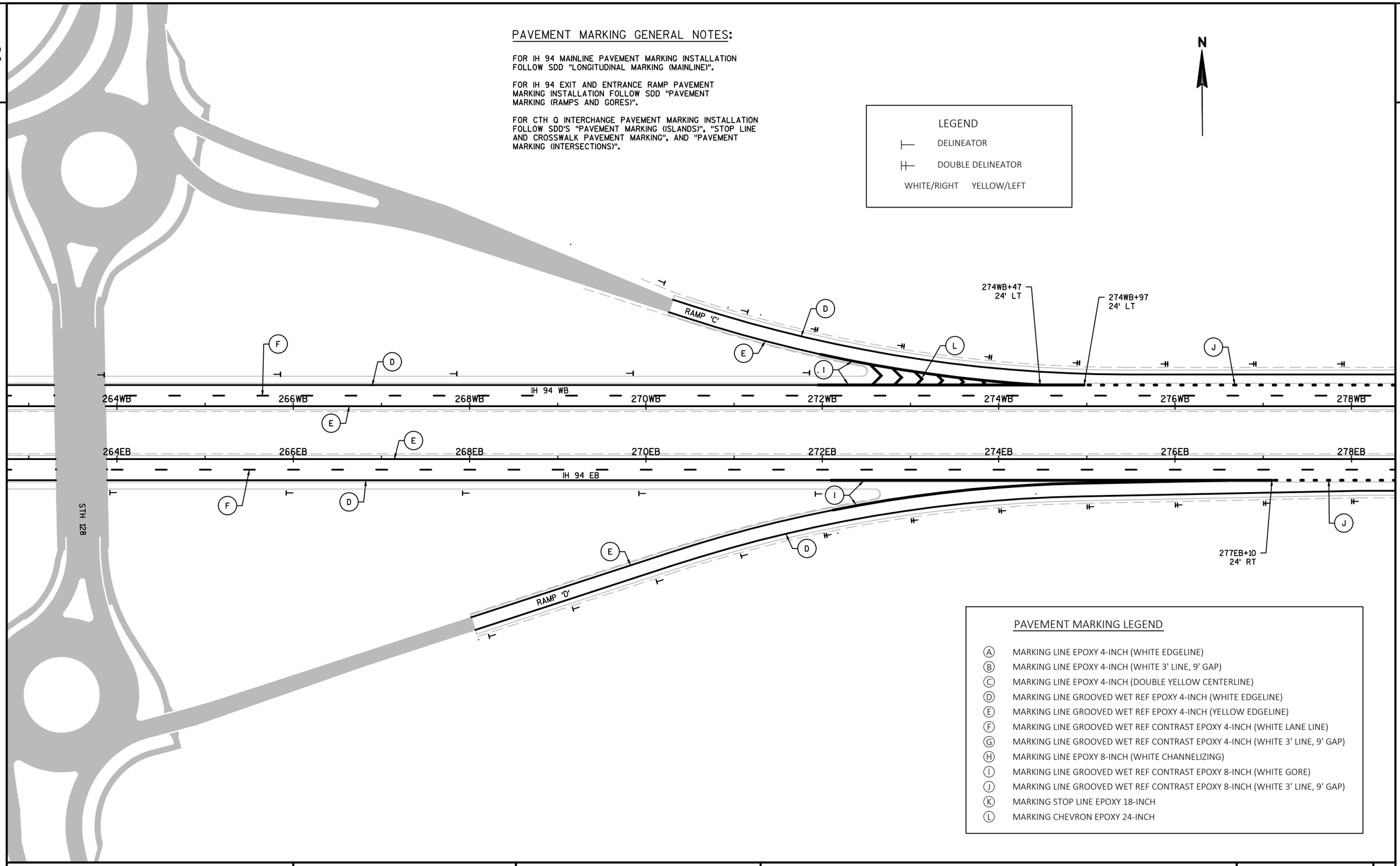
N

LEGEND

DELINEATOR

DOUBLE DELINEATOR

WHITE/RIGHT YELLOW/LEFT



PAVEMENT MARKING LEGEND

- (A) MARKING LINE EPOXY 4-INCH (WHITE EDGELINE)
- (B) MARKING LINE EPOXY 4-INCH (WHITE 3' LINE, 9' GAP)
- (C) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW CENTERLINE)
- (D) MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE EDGELINE)
- (E) MARKING LINE GROOVED WET REF EPOXY 4-INCH (YELLOW EDGELINE)
- (F) MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE LANE LINE)
- (G) MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE 3' LINE, 9' GAP)
- (H) MARKING LINE EPOXY 8-INCH (WHITE CHANNELIZING)
- (I) MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE GORE)
- (J) MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE 3' LINE, 9' GAP)
- (K) MARKING STOP LINE EPOXY 18-INCH
- (L) MARKING CHEVRON EPOXY 24-INCH

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PAVEMENT MARKING	SHEET 98	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\024501_PM_PAVEMENT_MARKING_WEST.DWG
LAYOUT NAME - SHEET - (3)

PLOT DATE : 6/28/2018 2:30 PM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

PAVEMENT MARKING GENERAL NOTES:

FOR IH 94 MAINLINE PAVEMENT MARKING INSTALLATION FOLLOW SDD "LONGITUDINAL MARKING (MAINLINE)".

FOR IH 94 EXIT AND ENTRANCE RAMP PAVEMENT MARKING INSTALLATION FOLLOW SDD "PAVEMENT MARKING (RAMPS AND GORES)".

FOR CTH Q INTERCHANGE PAVEMENT MARKING INSTALLATION FOLLOW SDD'S "PAVEMENT MARKING (ISLANDS)", "STOP LINE AND CROSSWALK PAVEMENT MARKING", AND "PAVEMENT MARKING (INTERSECTIONS)".

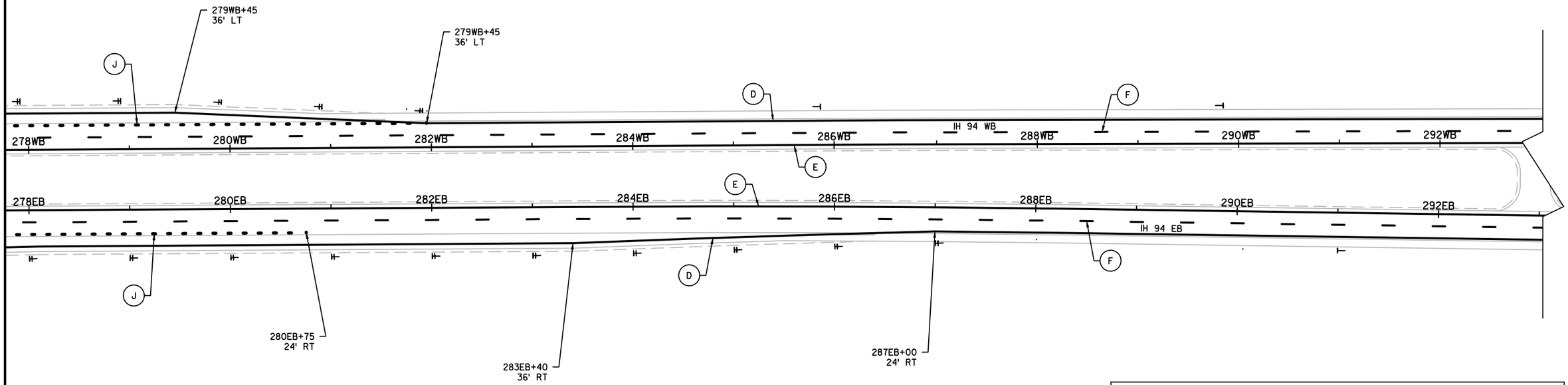
N

LEGEND

DELINEATOR

DOUBLE DELINEATOR

WHITE/RIGHT YELLOW/LEFT



PAVEMENT MARKING LEGEND

- (A) MARKING LINE EPOXY 4-INCH (WHITE EDGELINE)
- (B) MARKING LINE EPOXY 4-INCH (WHITE 3' LINE, 9' GAP)
- (C) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW CENTERLINE)
- (D) MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE EDGELINE)
- (E) MARKING LINE GROOVED WET REF EPOXY 4-INCH (YELLOW EDGELINE)
- (F) MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE LANE LINE)
- (G) MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE 3' LINE, 9' GAP)
- (H) MARKING LINE EPOXY 8-INCH (WHITE CHANNELIZING)
- (I) MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE GORE)
- (J) MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE 3' LINE, 9' GAP)
- (K) MARKING STOP LINE EPOXY 18-INCH
- (L) MARKING CHEVRON EPOXY 24-INCH

2

PAVEMENT MARKING GENERAL NOTES:

FOR IH 94 MAINLINE PAVEMENT MARKING INSTALLATION FOLLOW SDD "LONGITUDINAL MARKING (MAINLINE)".

FOR IH 94 EXIT AND ENTRANCE RAMP PAVEMENT MARKING INSTALLATION FOLLOW SDD "PAVEMENT MARKING (RAMPS AND GORES)".

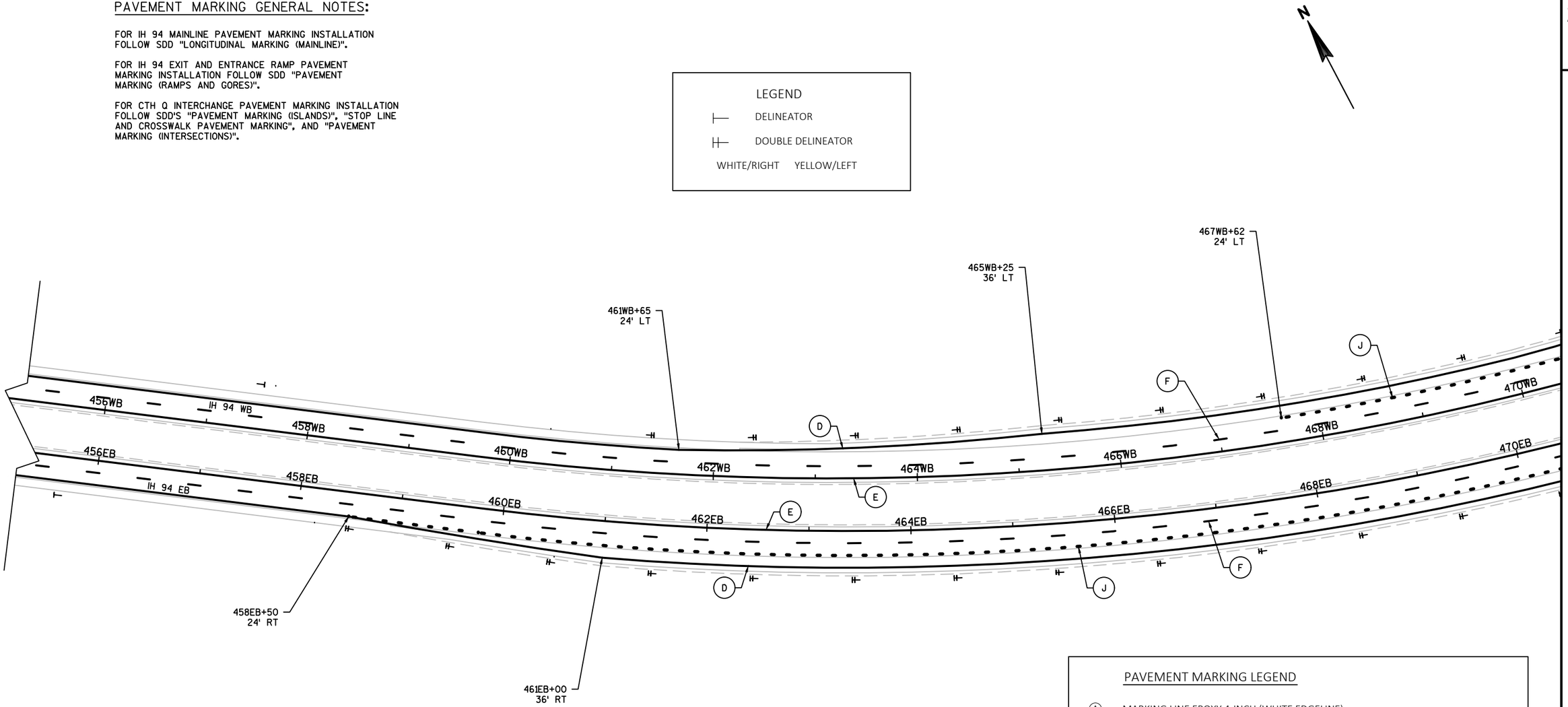
FOR CTH Q INTERCHANGE PAVEMENT MARKING INSTALLATION FOLLOW SDD'S "PAVEMENT MARKING (ISLANDS)", "STOP LINE AND CROSSWALK PAVEMENT MARKING", AND "PAVEMENT MARKING (INTERSECTIONS)".

LEGEND

DELINEATOR

DOUBLE DELINEATOR

WHITE/RIGHT YELLOW/LEFT



PAVEMENT MARKING LEGEND

- (A) MARKING LINE EPOXY 4-INCH (WHITE EDGELINE)
- (B) MARKING LINE EPOXY 4-INCH (WHITE 3' LINE, 9' GAP)
- (C) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW CENTERLINE)
- (D) MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE EDGELINE)
- (E) MARKING LINE GROOVED WET REF EPOXY 4-INCH (YELLOW EDGELINE)
- (F) MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE LANE LINE)
- (G) MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE 3' LINE, 9' GAP)
- (H) MARKING LINE EPOXY 8-INCH (WHITE CHANNELIZING)
- (I) MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE GORE)
- (J) MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE 3' LINE, 9' GAP)
- (K) MARKING STOP LINE EPOXY 18-INCH
- (L) MARKING CHEVRON EPOXY 24-INCH

2

PAVEMENT MARKING GENERAL NOTES:

FOR IH 94 MAINLINE PAVEMENT MARKING INSTALLATION FOLLOW SDD "LONGITUDINAL MARKING (MAINLINE)".

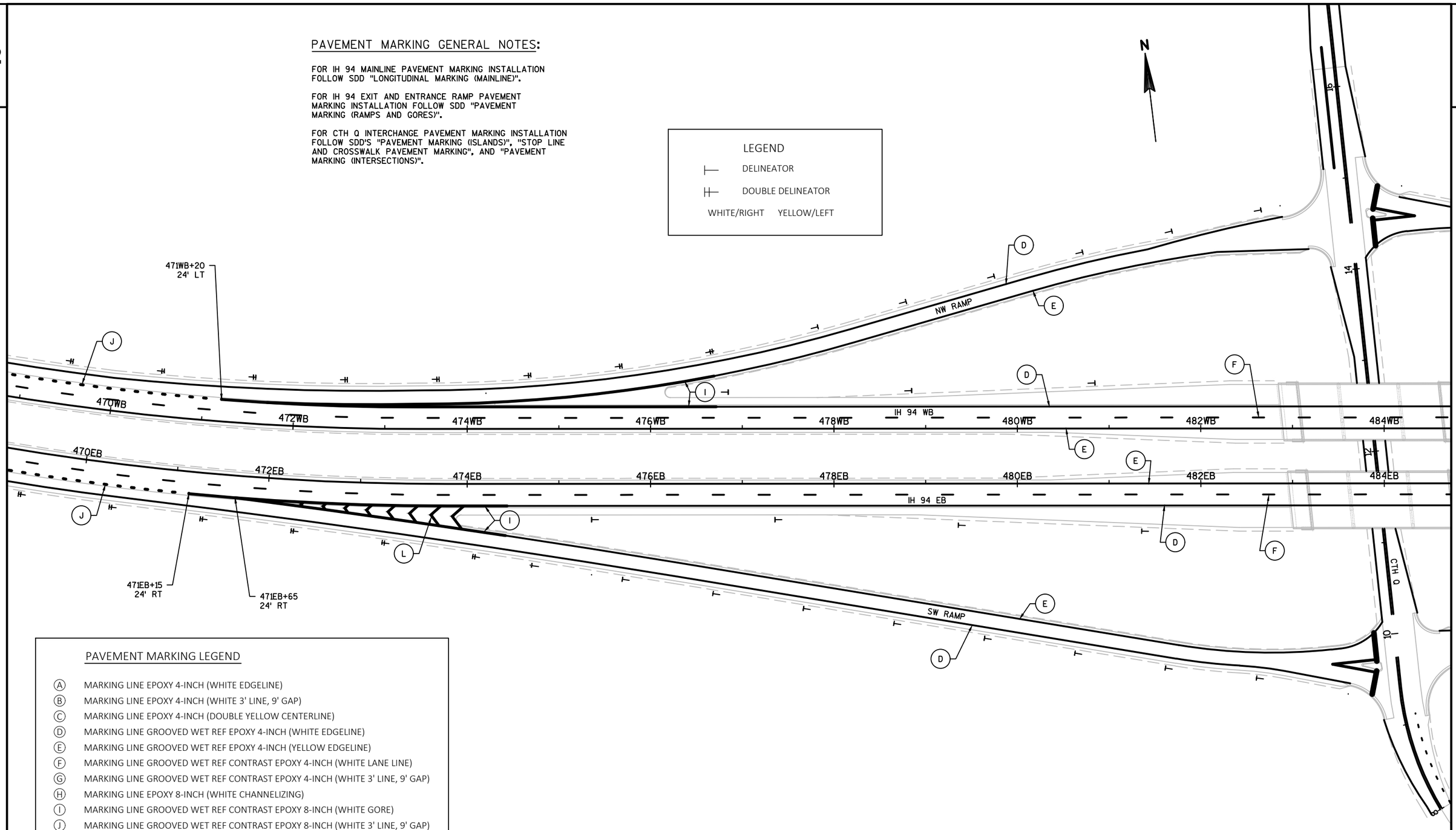
FOR IH 94 EXIT AND ENTRANCE RAMP PAVEMENT MARKING INSTALLATION FOLLOW SDD "PAVEMENT MARKING (RAMPS AND GORES)".

FOR CTH Q INTERCHANGE PAVEMENT MARKING INSTALLATION FOLLOW SDD'S "PAVEMENT MARKING (ISLANDS)", "STOP LINE AND CROSSWALK PAVEMENT MARKING", AND "PAVEMENT MARKING (INTERSECTIONS)".

LEGEND

- DELINEATOR
- DOUBLE DELINEATOR

WHITE/RIGHT YELLOW/LEFT



PAVEMENT MARKING LEGEND

- (A) MARKING LINE EPOXY 4-INCH (WHITE EDGELINE)
- (B) MARKING LINE EPOXY 4-INCH (WHITE 3' LINE, 9' GAP)
- (C) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW CENTERLINE)
- (D) MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE EDGELINE)
- (E) MARKING LINE GROOVED WET REF EPOXY 4-INCH (YELLOW EDGELINE)
- (F) MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE LANE LINE)
- (G) MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE 3' LINE, 9' GAP)
- (H) MARKING LINE EPOXY 8-INCH (WHITE CHANNELIZING)
- (I) MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE GORE)
- (J) MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE 3' LINE, 9' GAP)
- (K) MARKING STOP LINE EPOXY 18-INCH
- (L) MARKING CHEVRON EPOXY 24-INCH

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PAVEMENT MARKING	SHEET 101	E

2

PAVEMENT MARKING GENERAL NOTES:

FOR IH 94 MAINLINE PAVEMENT MARKING INSTALLATION FOLLOW SDD "LONGITUDINAL MARKING (MAINLINE)".

FOR IH 94 EXIT AND ENTRANCE RAMP PAVEMENT MARKING INSTALLATION FOLLOW SDD "PAVEMENT MARKING (RAMPS AND GORES)".

FOR CTH Q INTERCHANGE PAVEMENT MARKING INSTALLATION FOLLOW SDD'S "PAVEMENT MARKING (ISLANDS)", "STOP LINE AND CROSSWALK PAVEMENT MARKING", AND "PAVEMENT MARKING (INTERSECTIONS)".

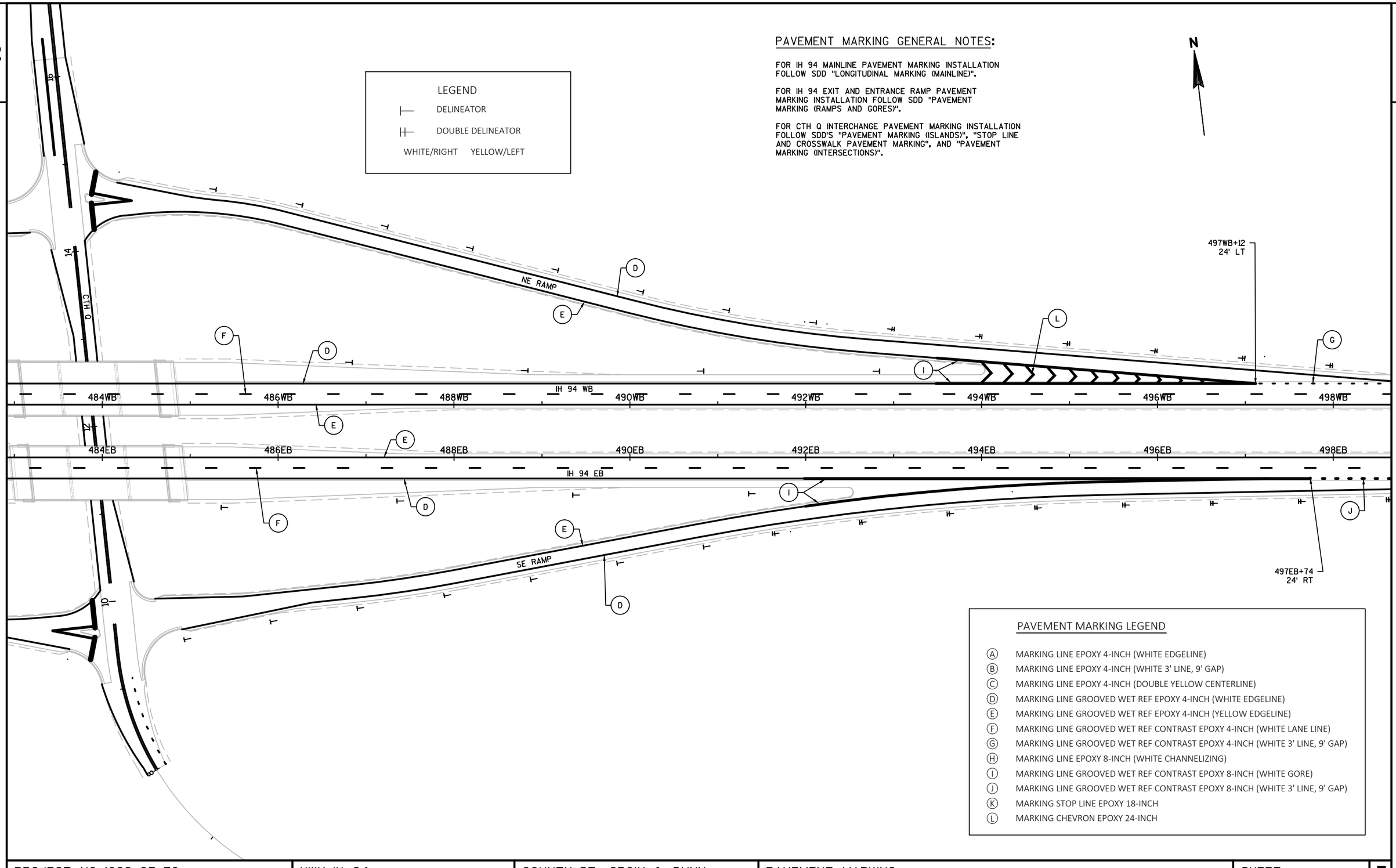
N

LEGEND

DELINEATOR

DOUBLE DELINEATOR

WHITE/RIGHT YELLOW/LEFT



PAVEMENT MARKING LEGEND

- (A) MARKING LINE EPOXY 4-INCH (WHITE EDGELINE)
- (B) MARKING LINE EPOXY 4-INCH (WHITE 3' LINE, 9' GAP)
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- (D) MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE EDGELINE)
- (E) MARKING LINE GROOVED WET REF EPOXY 4-INCH (YELLOW EDGELINE)
- (F) MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE LANE LINE)
- (G) MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE 3' LINE, 9' GAP)
- (H) MARKING LINE EPOXY 8-INCH (WHITE CHANNELIZING)
- (I) MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE GORE)
- (J) MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE 3' LINE, 9' GAP)
- (K) MARKING STOP LINE EPOXY 18-INCH
- (L) MARKING CHEVRON EPOXY 24-INCH

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PAVEMENT MARKING	SHEET 102	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\024501_PM_PAVEMENT_MARKING_WEST.DWG
LAYOUT NAME - SHEET - (7)
PLOT DATE : 6/28/2018 2:30 PM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

PAVEMENT MARKING GENERAL NOTES:

FOR IH 94 MAINLINE PAVEMENT MARKING INSTALLATION FOLLOW SDD "LONGITUDINAL MARKING (MAINLINE)".

FOR IH 94 EXIT AND ENTRANCE RAMP PAVEMENT MARKING INSTALLATION FOLLOW SDD "PAVEMENT MARKING (RAMPS AND GORES)".

FOR CTH Q INTERCHANGE PAVEMENT MARKING INSTALLATION FOLLOW SDD'S "PAVEMENT MARKING (ISLANDS)", "STOP LINE AND CROSSWALK PAVEMENT MARKING", AND "PAVEMENT MARKING (INTERSECTIONS)".

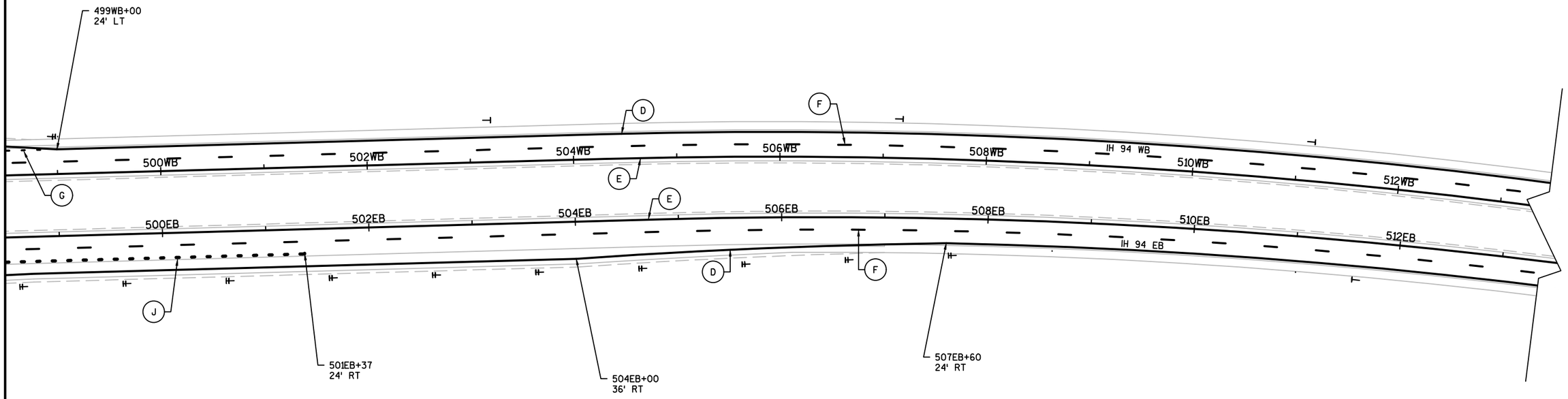
N

LEGEND

DELINEATOR

DOUBLE DELINEATOR

WHITE/RIGHT YELLOW/LEFT



PAVEMENT MARKING LEGEND

- (A) MARKING LINE EPOXY 4-INCH (WHITE EDGELINE)
- (B) MARKING LINE EPOXY 4-INCH (WHITE 3' LINE, 9' GAP)
- (C) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW CENTERLINE)
- (D) MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE EDGELINE)
- (E) MARKING LINE GROOVED WET REF EPOXY 4-INCH (YELLOW EDGELINE)
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- (G) MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE 3' LINE, 9' GAP)
- (H) MARKING LINE EPOXY 8-INCH (WHITE CHANNELIZING)
- (I) MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE GORE)
- (J) MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE 3' LINE, 9' GAP)
- (K) MARKING STOP LINE EPOXY 18-INCH
- (L) MARKING CHEVRON EPOXY 24-INCH

PAVEMENT MARKING GENERAL NOTES:

FOR IH 94 MAINLINE PAVEMENT MARKING INSTALLATION FOLLOW SDD "LONGITUDINAL MARKING (MAINLINE)".

FOR IH 94 EXIT AND ENTRANCE RAMP PAVEMENT MARKING INSTALLATION FOLLOW SDD "PAVEMENT MARKING (RAMPS AND GORES)".

FOR CTH Q INTERCHANGE PAVEMENT MARKING INSTALLATION FOLLOW SDD'S "PAVEMENT MARKING (ISLANDS)", "STOP LINE AND CROSSWALK PAVEMENT MARKING", AND "PAVEMENT MARKING (INTERSECTIONS)".

LEGEND

DELINEATOR

DOUBLE DELINEATOR

WHITE/RIGHT YELLOW/LEFT

N

SW RAMP

NW RAMP

SE RAMP

NE RAMP

482EB

482WB

484EB

484WB

IH 94 EB

IH 94 WB

486EB

486WB

CTH Q

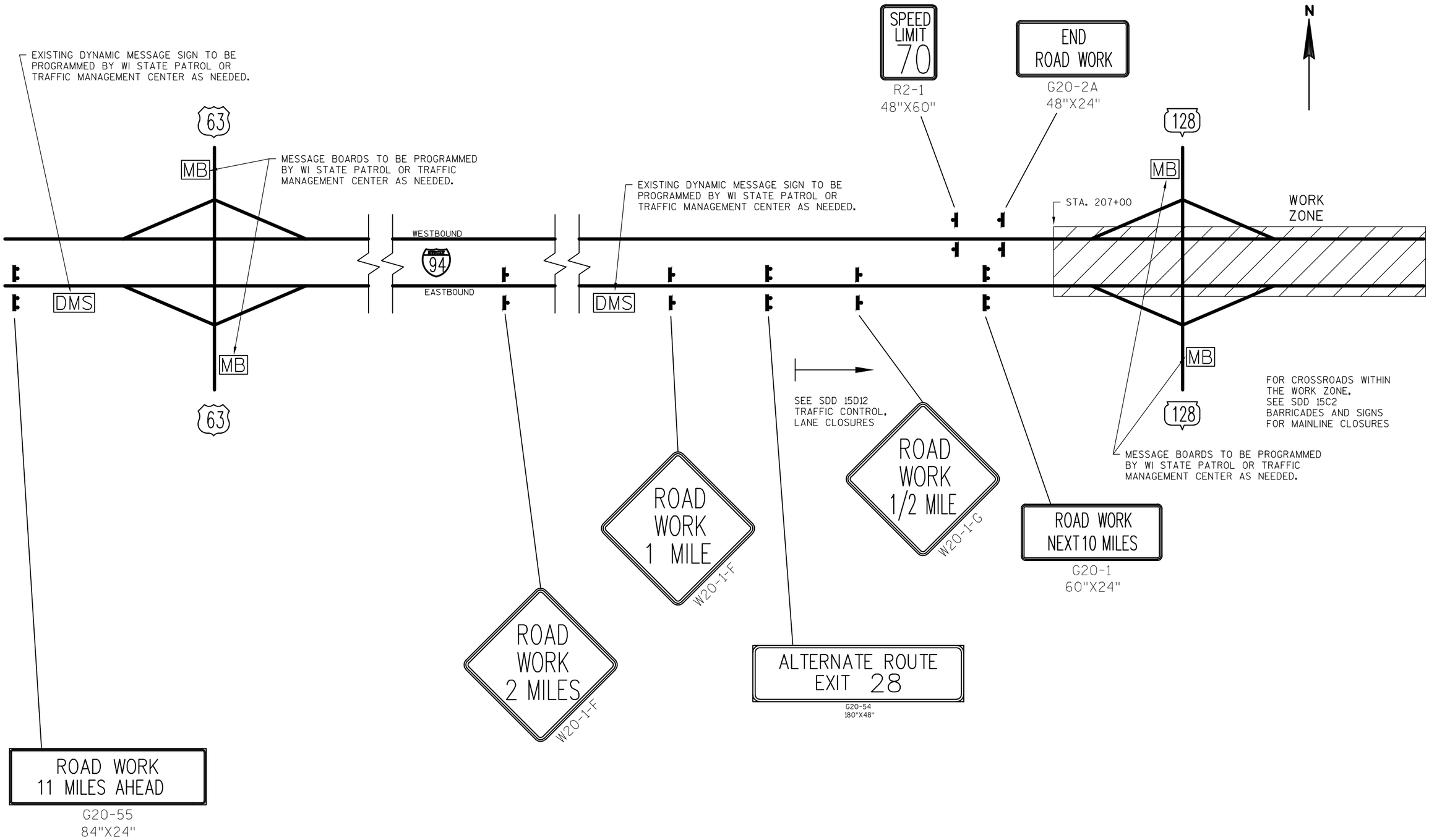
10 12 14 16 18

PAVEMENT MARKING LEGEND

- (A) MARKING LINE EPOXY 4-INCH (WHITE EDGELINE)
- (B) MARKING LINE EPOXY 4-INCH (WHITE 3' LINE, 9' GAP)
- (C) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW CENTERLINE)
- (D) MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE EDGELINE)
- (E) MARKING LINE GROOVED WET REF EPOXY 4-INCH (YELLOW EDGELINE)
- (F) MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE LANE LINE)
- (G) MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE 3' LINE, 9' GAP)
- (H) MARKING LINE EPOXY 8-INCH (WHITE CHANNELIZING)
- (I) MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE GORE)
- (J) MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE 3' LINE, 9' GAP)
- (K) MARKING STOP LINE EPOXY 18-INCH
- (L) MARKING CHEVRON EPOXY 24-INCH

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PAVEMENT MARKING - CTH Q INTERCHANGE	SHEET 104	E

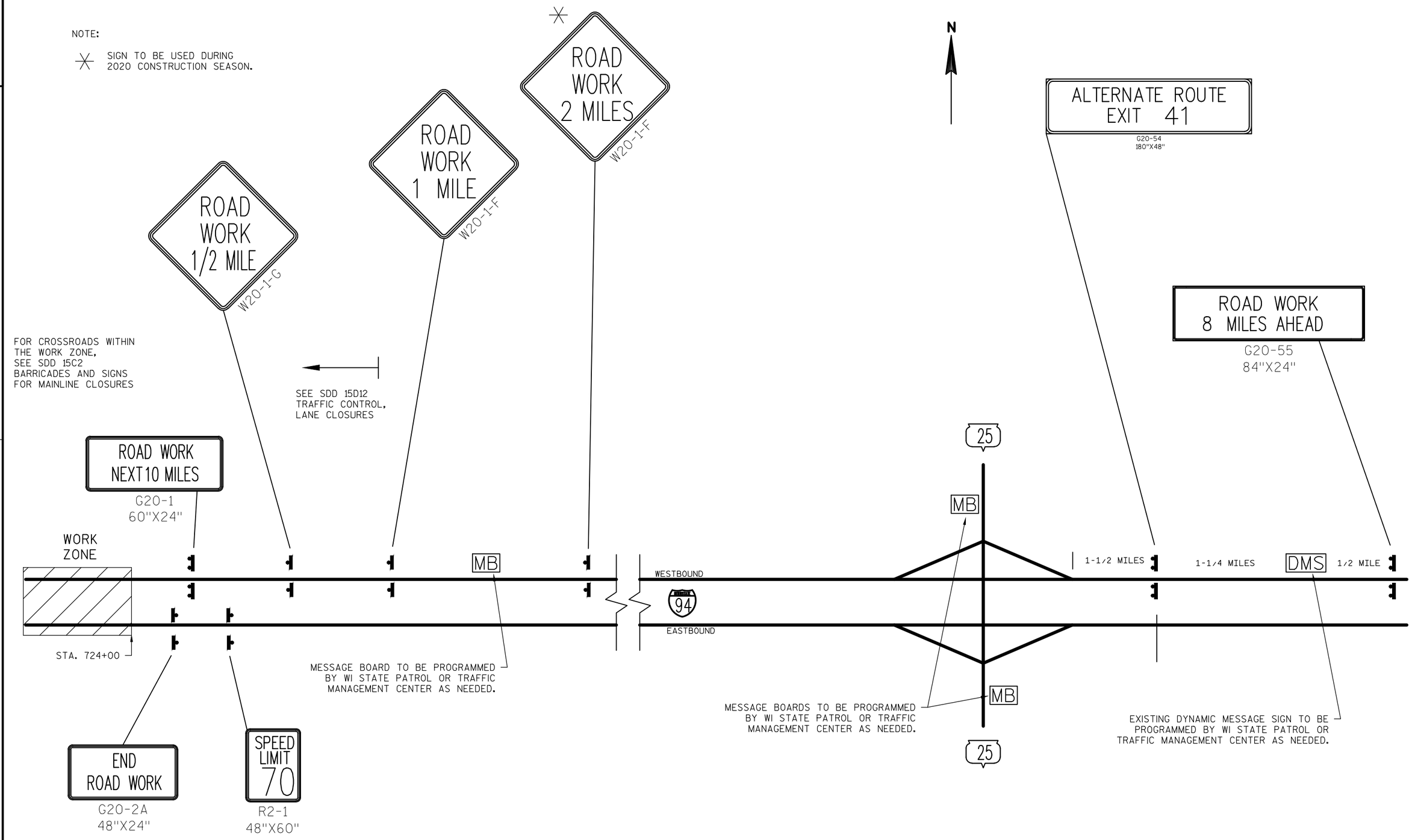
FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\024501_PM_PAVEMENT_MARKING_WEST.DWG
LAYOUT NAME - SHEET - (9)
PLOT DATE : 6/28/2018 2:30 PM PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:66.67 FT
WISDOT/CADDS SHEET 42



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN: TRAFFIC CONTROL - ADVANCED SIGNING	SHEET 105	E

NOTE:

✳ SIGN TO BE USED DURING 2020 CONSTRUCTION SEASON.



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN: TRAFFIC CONTROL - ADVANCED SIGNING	SHEET 106	E

DURING CLOSURE:

	FRAME 1	FRAME 2
(A)	EXIT RAMP CLOSED	NEXT EXIT 4 MILES

643.0910 TRAFFIC CONTROL COVERING SIGNS TYPE 1

1 WEEK PRIOR TO CLOSURE:

	FRAME 1	FRAME 2
(A)	RAMP WILL BE CLOSED	STARTING DATE --------

DURING CLOSURE:

	FRAME 1	FRAME 2
(B)	WB 194 ON RAMP CLOSED	USE ALT ROUTE

1 WEEK PRIOR TO CLOSURE:

	FRAME 1	FRAME 2
(B)	WB 194 ON RAMP --------	CLOSED STARTING DATE

N

EXIT 32
Q
Knapp
CLOSED

G20-61
120"X30"

EXIT 32
Q
Knapp
CLOSED

G20-60
108"X24"

INSTALL ON SB CTH Q
1000' NORTH OF IH 94

(B) -------- -------- --------

MESSAGE BOARD TO BE PROGRAMMED BY WI STATE PATROL OR TRAFFIC MANAGEMENT CENTER AS NEEDED.

(A) -------- -------- --------

MESSAGE BOARD TO BE PROGRAMMED BY WI STATE PATROL OR TRAFFIC MANAGEMENT CENTER AS NEEDED.

EXIT 32
KNAPP
CLOSED

MESSAGE BOARD TO BE PROGRAMMED BY WI STATE PATROL OR TRAFFIC MANAGEMENT CENTER AS NEEDED.

Q
MB
1 MILE
1/2 MILE
MB
WESTBOUND
94
EASTBOUND
1-1/2 MILE
MB
25
25
Q

SEE SDD 15D16 TRAFFIC CONTROL, EXIT RAMP CLOSURE

MESSAGE BOARD TO BE PROGRAMMED BY WI STATE PATROL OR TRAFFIC MANAGEMENT CENTER AS NEEDED.

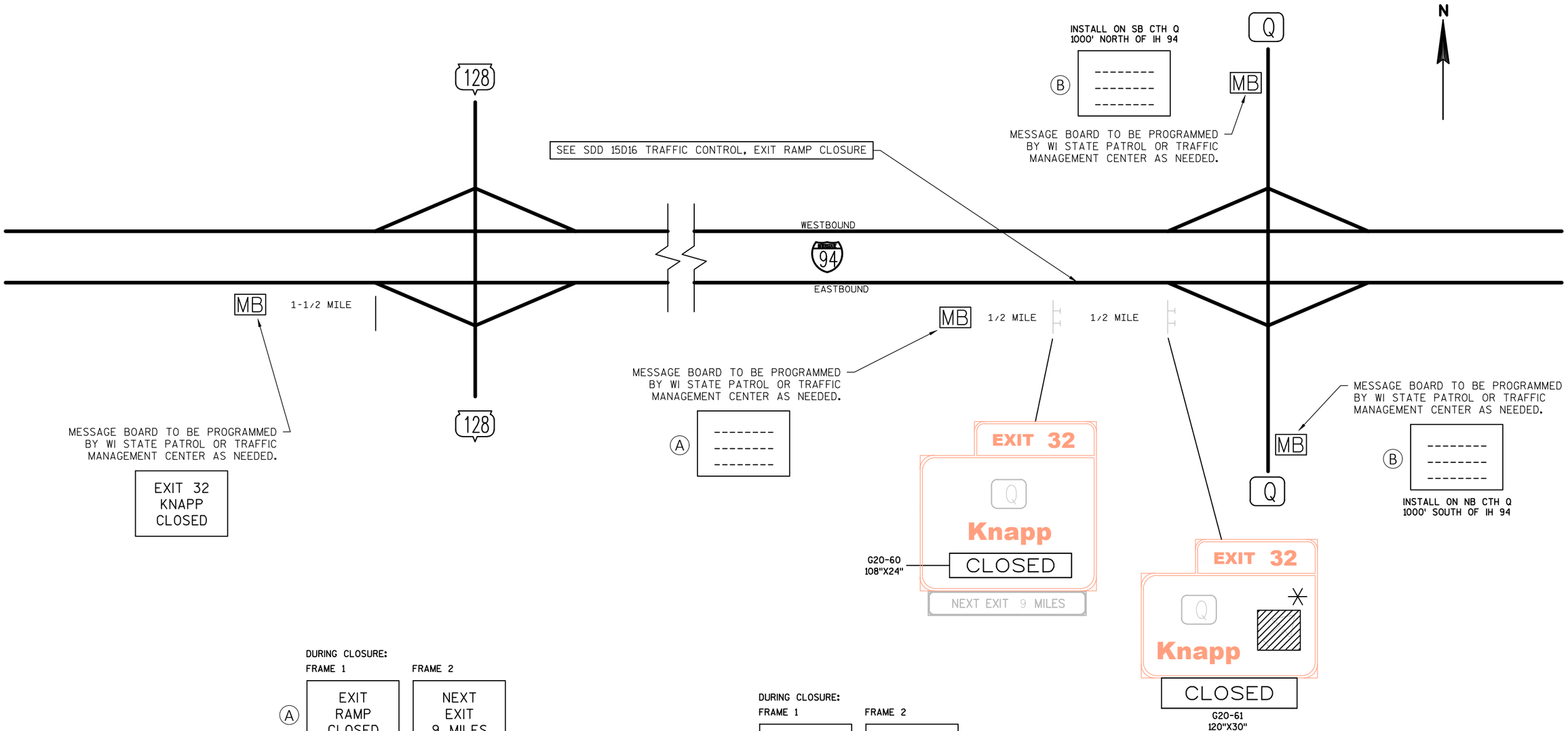
MB

(B) -------- -------- --------

INSTALL ON NB CTH Q
1000' SOUTH OF IH 94

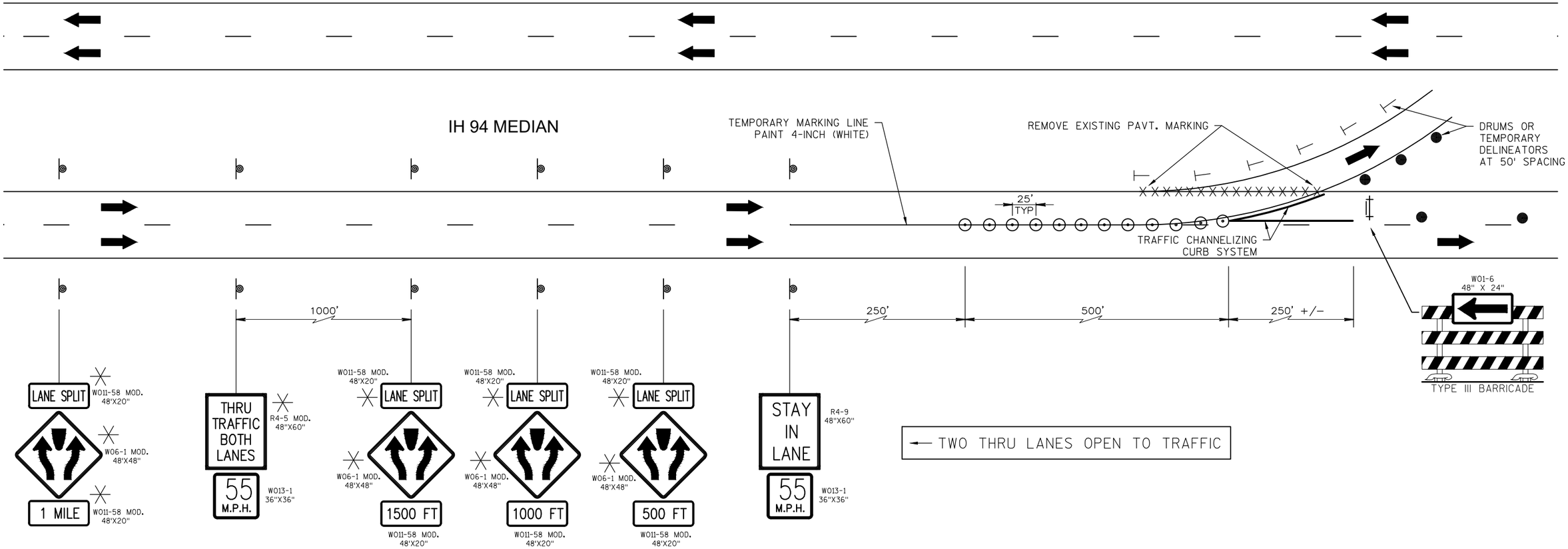
PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN: TRAFFIC CONTROL - STAGE 3 WB RAMP CLOSURE	SHEET 107	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025011_TC_ADVANCED_SIGNING.DWG
025011_TC - 025011_TC_WB_RAMP_CLOSURE - 03
PLOT DATE : 7/16/2018 1:42 PM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:10 FT_7
WISDOT/CADDS SHEET 42



PROJECT NO: 1022-07-76	HWY: XXX	COUNTY: ST. CROIX & DUNN	PLAN: TRAFFIC CONTROL - STAGE 5 EB RAMP CLOSURES	SHEET 108	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025011_TC_ADVANCED_SIGNING.DWG
025011_TC - 025011_TC_EB_RAMP_CLOSURE - 04
PLOT DATE : 7/16/2018 1:42 PM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:10 FT_7
WISDOT/CADDS SHEET 42



SEE SDD 15D12 "TRAFFIC CONTROL, LANE CLOSURE" FOR TRAFFIC CONTROL DEVICES REQUIRED DURING OFF-PEAK TEMPORARY LANE CLOSURES.

REMOVE OR COVER CONFLICTING SIGNS DURING ALLOWABLE TEMPORARY DRIVING LANE CLOSURES, INCIDENTAL TO TRAFFIC CONTROL.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

TRAFFIC CONTROL DETAIL FOR IH 94 LANE SPLIT

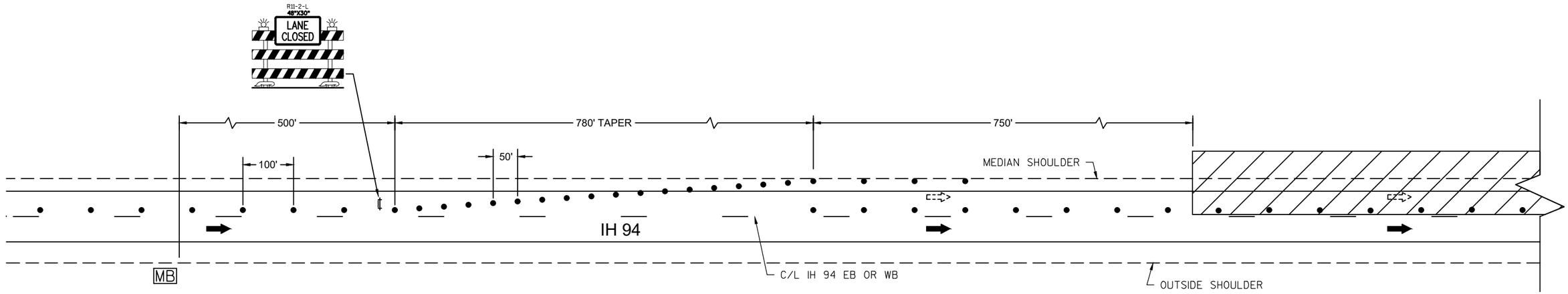
NOTE:

SPACING AND LOCATIONS OF TRAFFIC CONTROL DEVICES ARE SUBJECT TO REVIEW AND APPROVAL BY THE ENGINEER IN THE FIELD.

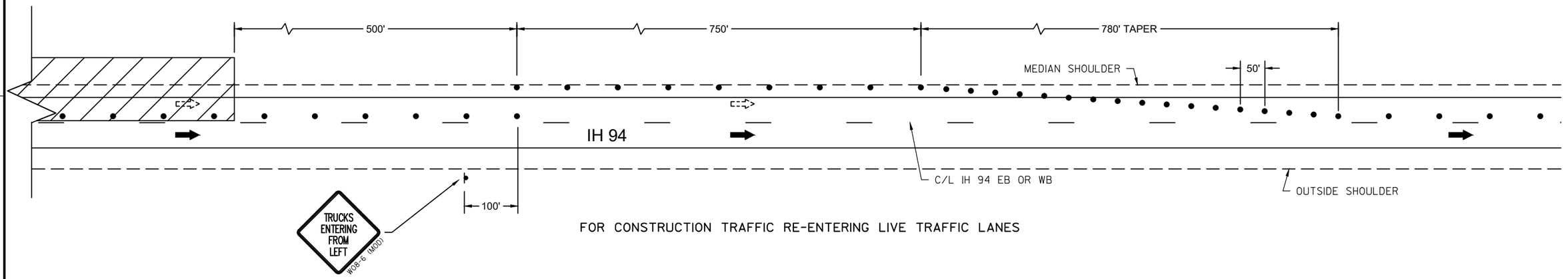
TRAFFIC CONTROL LAYOUT SHOWN ON THIS PAGE IS FOR USE DURING STAGE 7 AND STAGE 8, AND IS SIMILAR FOR EASTBOUND AND WESTBOUND IH 94.

SEE OTHER TRAFFIC CONTROL PLANS AND DETAILS FOR ADDITIONAL INFORMATION.

2



FOR CONSTRUCTION TRAFFIC EXITING LIVE TRAFFIC LANES



FOR CONSTRUCTION TRAFFIC RE-ENTERING LIVE TRAFFIC LANES

NOTES:

SPACING AND LOCATIONS OF TRAFFIC CONTROL DEVICES ARE SUBJECT TO REVIEW AND APPROVAL BY THE ENGINEER IN THE FIELD.

SEE OTHER TRAFFIC CONTROL DETAILS AND STANDARD DETAIL DRAWINGS FOR LANE CLOSURE DETAILS.

PORTABLE CHANGEABLE MESSAGES SHOULD READ:

FRAME 1	FRAME 2
TRUCKS EXITING LEFT	TRAFFIC STAY RIGHT

TRAFFIC CONTROL DETAIL FOR CONSTRUCTION ACCESS TO IH 94 MEDIAN

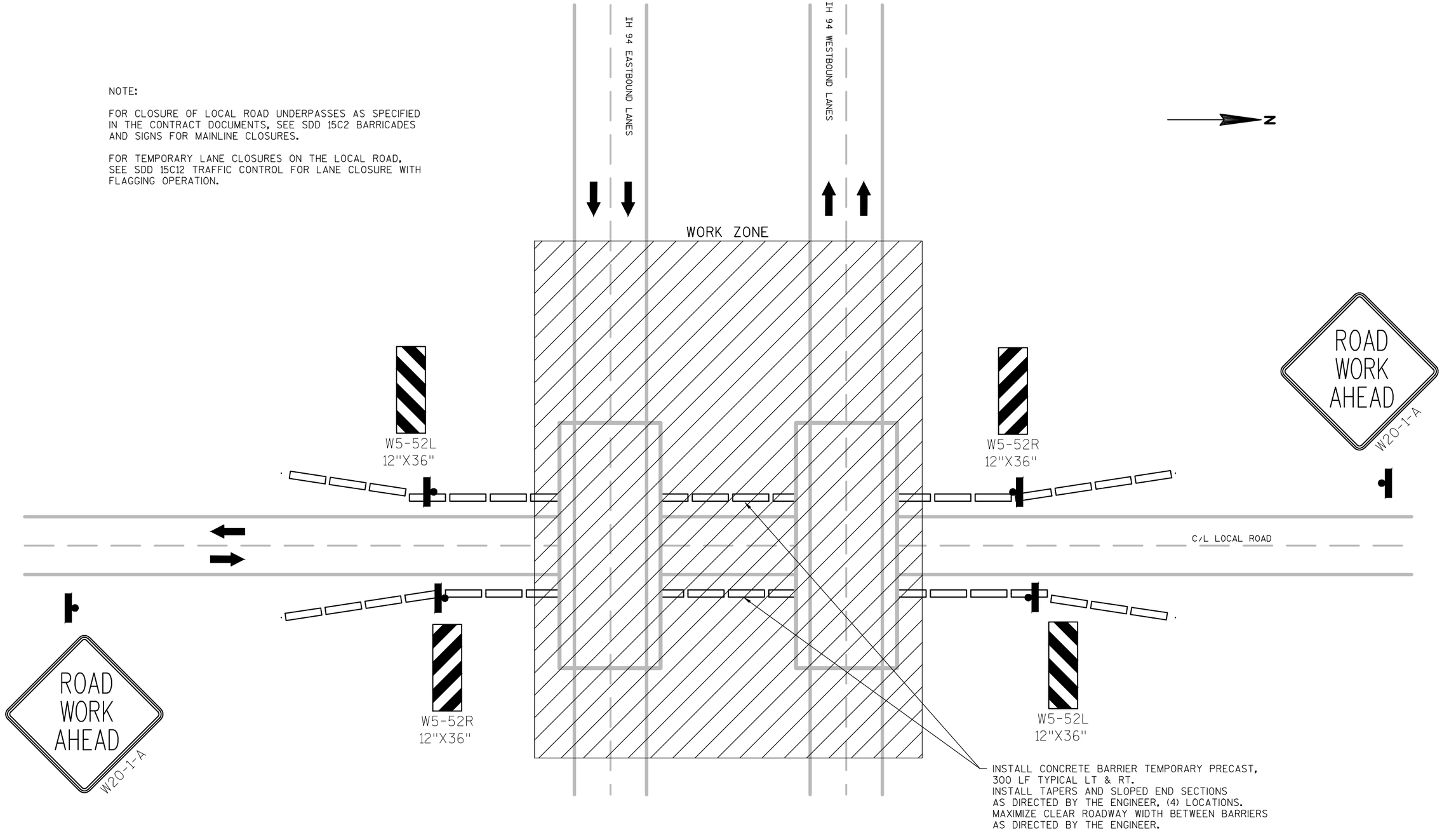
LEGEND

- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL SIGN
- TYPE A WARNING LIGHT (FLASHING)
- IH 94 TRAFFIC
- CONSTRUCTION TRAFFIC
- WORK AREA
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

NOTE:

FOR CLOSURE OF LOCAL ROAD UNDERPASSES AS SPECIFIED IN THE CONTRACT DOCUMENTS, SEE SDD 15C2 BARRICADES AND SIGNS FOR MAINLINE CLOSURES.

FOR TEMPORARY LANE CLOSURES ON THE LOCAL ROAD, SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION.



2

STOP
ALL WAY
R1-3-P
18"X6"

R1-1
30"X30"

W3-1
36"X36"

CONCRETE BARRIER TEMPORARY PRECAST
(SEE DETAILS ELSEWHERE IN THE PLAN).

C/L CTH Q

NOTE:

PLACE SIGNS DURING CTH Q TEMPORARY PROFILE LOWERING, OR AS DIRECTED BY THE ENGINEER.

INSTALL W3-1 SIGNS WITH FLAGS 750' IN ADVANCE OF THE R1-1 STOP SIGN, OR AS DIRECTED BY THE ENGINEER.

SW RAMP
NW RAMP
SE RAMP
NE RAMP
IH 94 EASTBOUND LANES
IH 94 WESTBOUND LANES
IH 94
CTH Q
RIPRAP
SIGN
CORN CRIBS
SLAB
SEPV
SEPC

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - CTH Q	SHEET 112	E

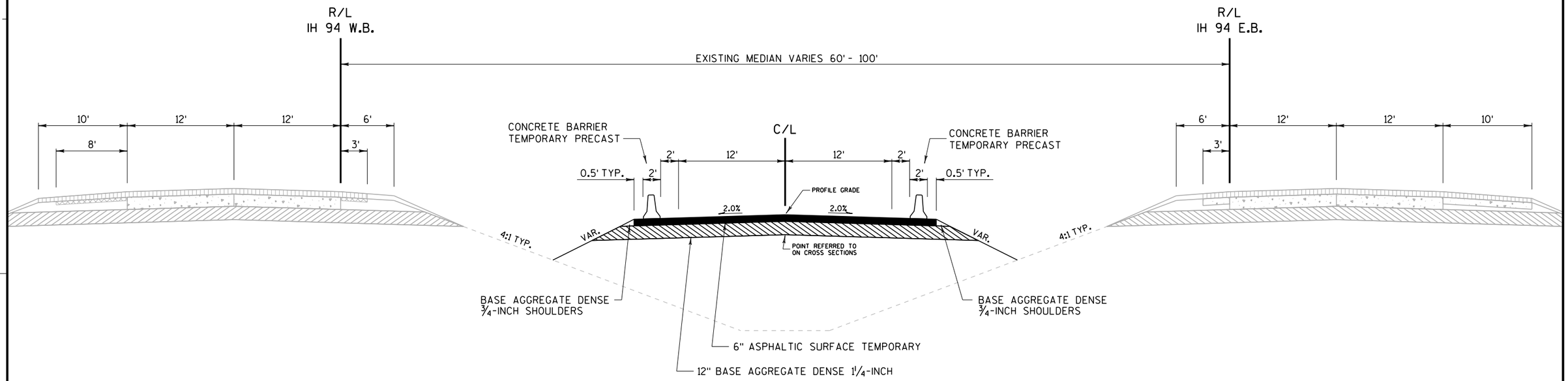
FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025012_TC_CTHQ_ALL_STOP.DWG
LAYOUT NAME - SHEET - (2)
PLOT DATE : 5/30/2018 4:27 PM
PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

PROPOSED
CONSTRUCTION STAGING PLAN
STH 128 - 250TH STREET

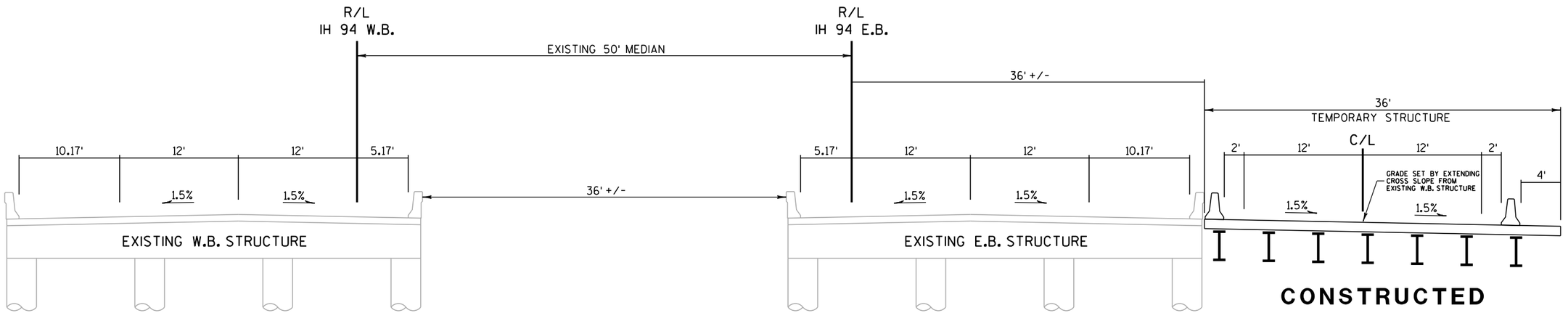
STAGE	DESCRIPTION	DURATION	SCHEDULE
1	CONSTRUCT E.B. TEMPORARY OUTSIDE WIDENING STA 243+00 TO STA 274+00 (AT STH 128 INTCHG) AND STA 452+56 TO STA 504+30 (AT CTH Q INTCHG). CONSTRUCT TEMPORARY STRUCTURE OVER CTH Q.	6 WEEKS	MAR 25 - MAY 3, 2019
2-A	CONSTRUCT WB TEMPORARY OUTSIDE WIDENING STA 200+00 TO STA 216+80 (WB TEMP ENTR RAMP). MILL/RESURFACE OUTSIDE SHOULDERS EB AND WB AT SPECIFIED LOCATIONS. WIDEN INSIDE SHOULDER PAVEMENT EB AND WB AT SPECIFIED LOCATIONS.	9 WEEKS	MAY 6 - JUL 12, 2019
2-B	REMOVE E.B. WHITE EDGE LINE. PLACE E.B. TEMPORARY LANE LINE & WHITE EDGE LINE.		
2-C	SHIFT SINGLE LANE E.B. TRAFFIC. REMOVE E.B. LANE LINE & YELLOW EDGE LINE. PLACE E.B. TEMPORARY YELLOW EDGE LINE.		
2-D	SHIFT TWO LANES E.B. TRAFFIC WITH BARRELS.		
2-E	REPLACE E.B. BARRELS WITH CONRETE BARRIER TEMPORARY PRECAST.		
2-F	PLACE W.B. CONCRETE BARRIER TEMPORARY PRECAST.		
2-G	CONSTRUCT E.B. TEMPORARY MEDIAN WIDENING. CONSTRUCT TEMPORARY MEDIAN ROADWAY & TEMPORARY STRUCTURES OVER 310th ST, AND 50th AVE.		
2-H	MOVE W.B. BARRIER TO E.B. TEMPORARY MEDIAN WIDENING.		
3	SWITCH TWO LANES W.B. TRAFFIC TO TEMPORARY WIDENING. CONSTRUCT NEW W.B. LANES & W.B. BRIDGES, AND NORTH RAMPS AT CTH Q INTCHG.	18 WEEKS	JUL 15 - NOV 15, 2019

STAGE	DESCRIPTION		DURATION	SCHEDULE
4-A	SWITCH TWO LANES W.B. TRAFFIC TO TEMPORARY LANES WITH BARRELS.	BEGIN GRADING KNAPP HILL MEDIAN STA 585+00 TO STA 685+00.	6 WEEKS	MAR 23 - MAY 1, 2020
4-B	MOVE BARRIER TO REPLACE W.B. BARRELS.			
4-C	REMOVE E.B. TEMPORARY MEDIAN WIDENING. CONSTRUCT W.B. TEMPORARY MEDIAN WIDENING.			
4-D	MOVE E.B. BARRIER TO W.B. TEMPORARY MEDIAN WIDENING.			
5	SWITCH TWO LANES E.B. TRAFFIC TO TEMPORARY WIDENING. CONSTRUCT NEW E.B. LANES & E.B. BRIDGES, AND SOUTH RAMPS AT CTH Q INTCHG.	COMPLETE GRADING KNAPP HILL MEDIAN.	17 WEEKS	MAY 4 - AUG 21, 2020
6-A	SWITCH TWO LANES E.B. TRAFFIC TO NEW E.B. CONSTRUCTION.	STAGE 7	5 WEEKS	AUG 24 - SEP 25, 2020
6-B	MOVE BARRIER TO FINISHED E.B. INSIDE SHOULDER.	CONSTRUCT 2.2 MILES NEW W.B. LANES. (KNAPP HILL AREA)		
6-C	REMOVE W.B. TEMP WIDENING/MEDIAN ROADWAY/TEMP STRUCTURES. CONSTRUCT W.B. INSIDE SHOULDER/RESTORE MEDIAN.			
6-D	REMOVE ALL BARRIER & W.B. TEMPORARY YELLOW EDGE LINE. PLACE W.B. LANE LINE & YELLOW EDGE LINE.	STAGE 8	5 WEEKS	SEP 28 - OCT 30, 2020
6-E	SHIFT W.B. SINGLE LANE TRAFFIC. REMOVE W.B. TEMP. LANE LINE & TEMP. WHITE EDGE LINE. PLACE W.B. WHITE EDGE LINE.	CONSTRUCT 2.2 MILES NEW E.B. LANES. (KNAPP HILL AREA)		
9	REMOVE MEDIAN CROSSOVERS & COMPLETE FINISHING WORK.		2 WEEKS	NOV 2 - NOV 13, 2020

2



PROPOSED TYPICAL SECTION
TEMPORARY MEDIAN ROADWAY
STA 291+76 to STA 403+53

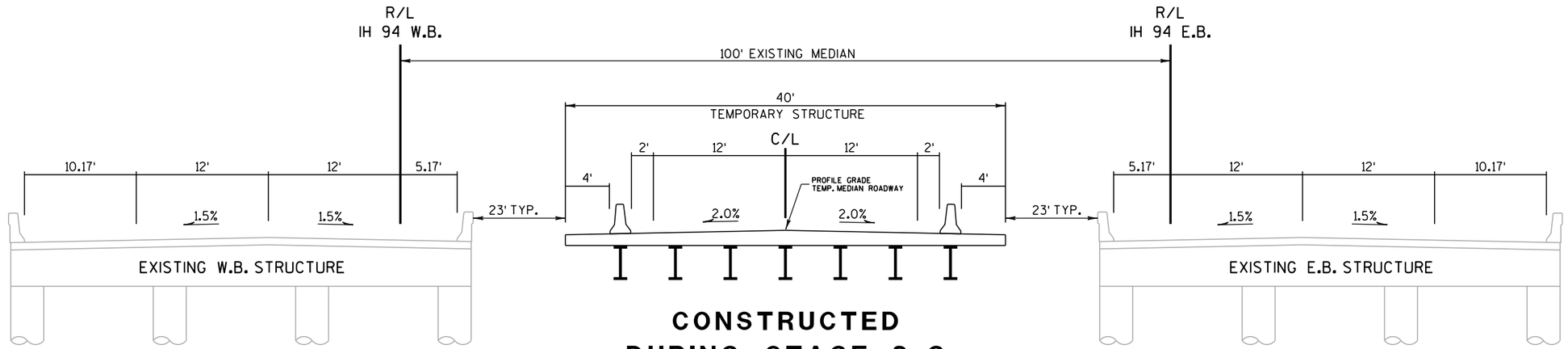


CONSTRUCTED DURING STAGE 1

PROPOSED TYPICAL SECTION
TEMPORARY BRIDGE OVERPASS
CTH Q

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - TYPICAL SECTION TEMPORARY STRUCTURES	SHEET 115	E

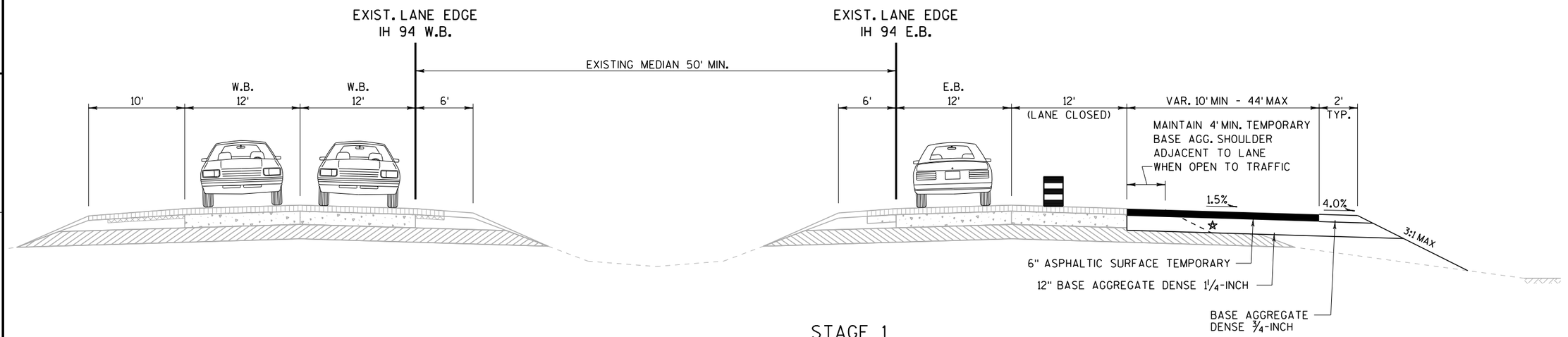
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WISDOT/CADDS SHEET 42



CONSTRUCTED DURING STAGE 2-G

PROPOSED TYPICAL SECTION
TEMPORARY BRIDGE OVERPASS
310th STREET
50th AVENUE

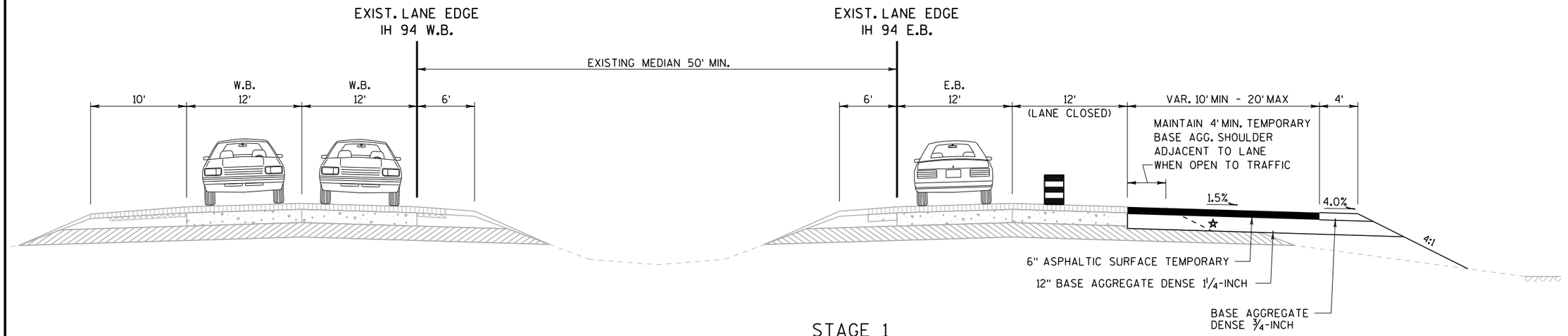
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - TYPICAL SECTION TEMPORARY STRUCTURES	SHEET 116	E



STAGE 1

CONSTRUCT EB TEMPORARY OUTSIDE WIDENING FOR MAINLINE AND SOUTH RAMPS
STA 243+00 to STA 249+52
STA 452+56 to STA 475+18
STA 491+12 to STA 504+30

☆ 3:1 MAX FORESLOPE FOR TEMPORARY BASE AGG. SHOULDERS

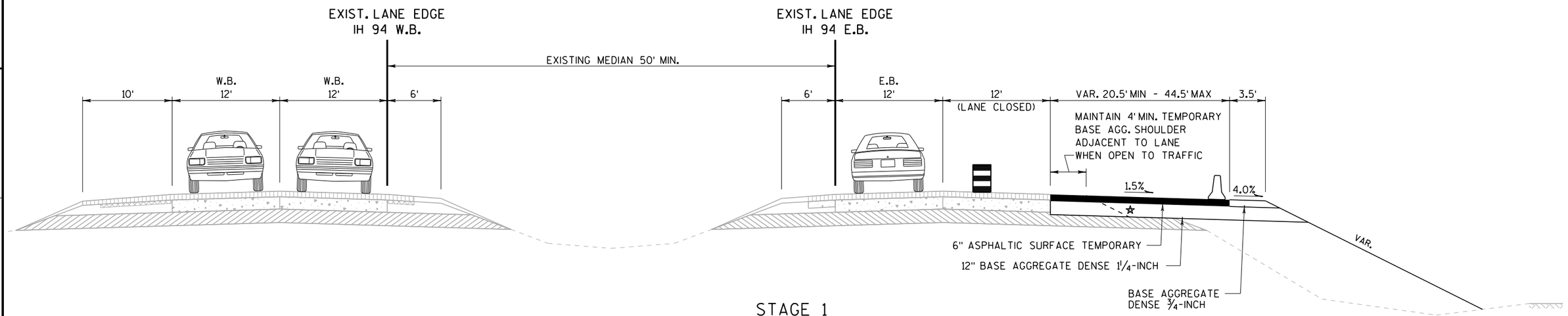


STAGE 1

CONSTRUCT EB TEMPORARY OUTSIDE WIDENING
STA 249+37 to STA 274+00

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	CONSTRUCTION STAGING FOR SEGMENTS WITH EXISTING 50' MEDIAN	SHEET 117	E

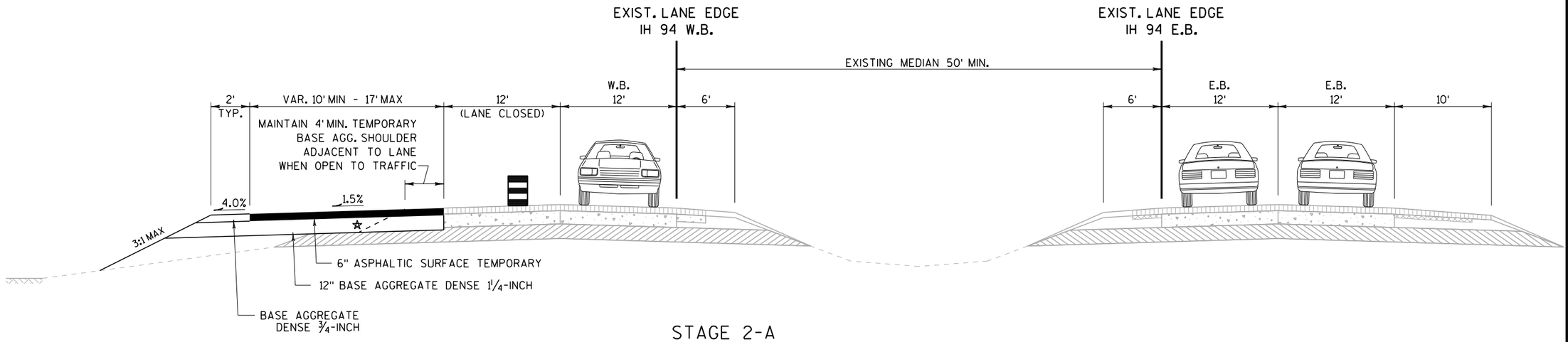
2



STAGE 1

CONSTRUCT EB TEMPORARY OUTSIDE WIDENING
STA 473+61 to STA 493+00

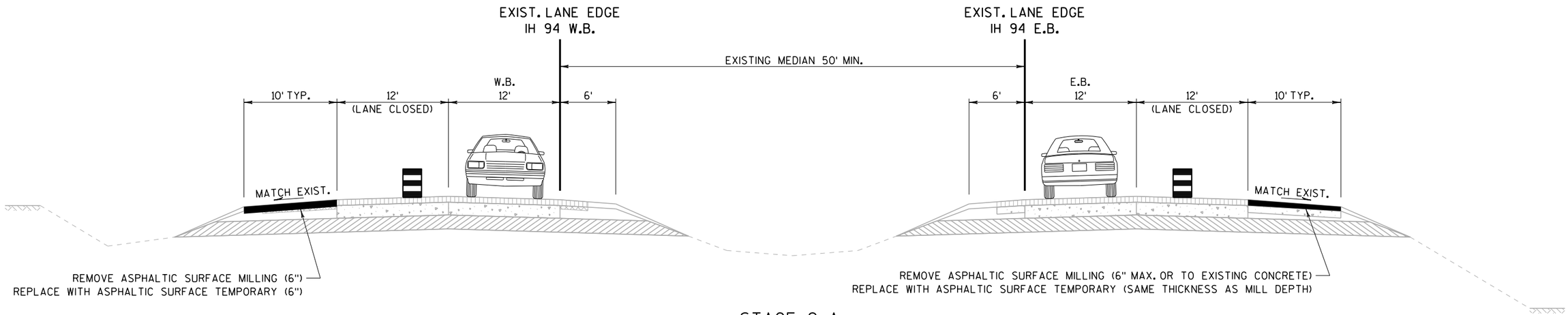
☆ 3:1 MAX FORESLOPE FOR TEMPORARY BASE AGG. SHOULDERS



STAGE 2-A

CONSTRUCT WB TEMPORARY OUTSIDE WIDENING FOR NORTH RAMP
STA 200+00 to STA 216+80

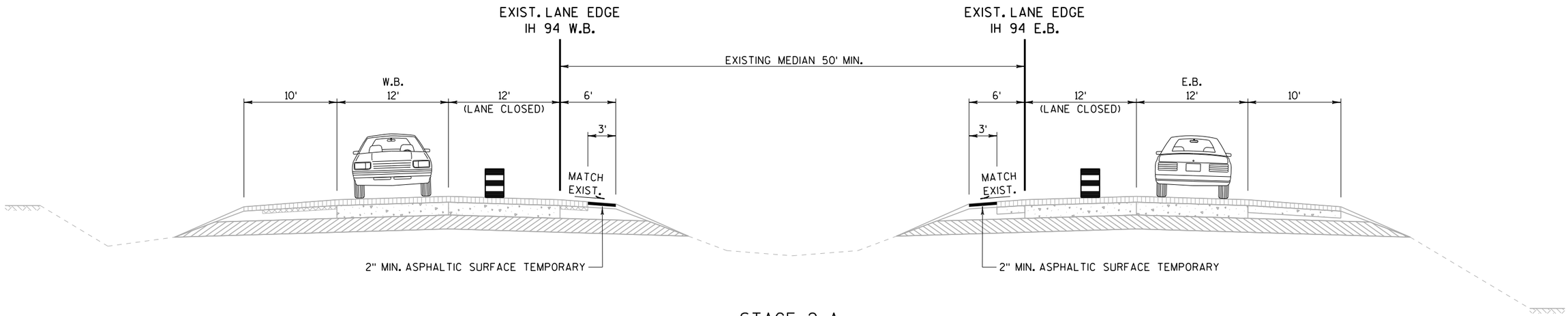
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	CONSTRUCTION STAGING FOR SEGMENTS WITH EXISTING 50' MEDIAN	SHEET 118	E



STAGE 2-A

MILL & RESURFACE OUTSIDE SHOULDERS

WB	EB
STA 216+80 to STA 252+25	STA 207+22 to STA 243+00
STA 251+78 to STA 254+50	STA 274+01 to STA 289+76
STA 566+60 to STA 572+65	STA 397+78 to STA 452+56
	STA 504+30 to STA 572+61

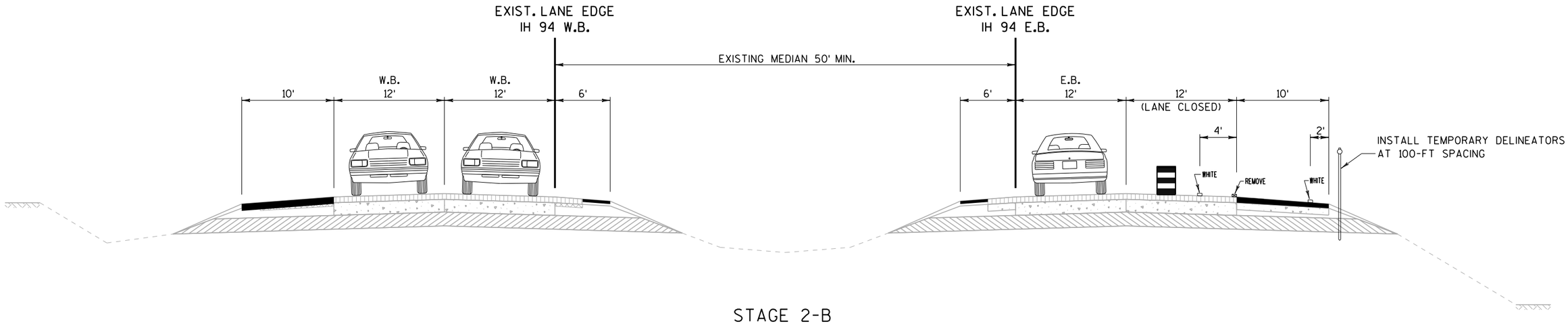


STAGE 2-A

WIDEN INSIDE SHOULDER PAVEMENT

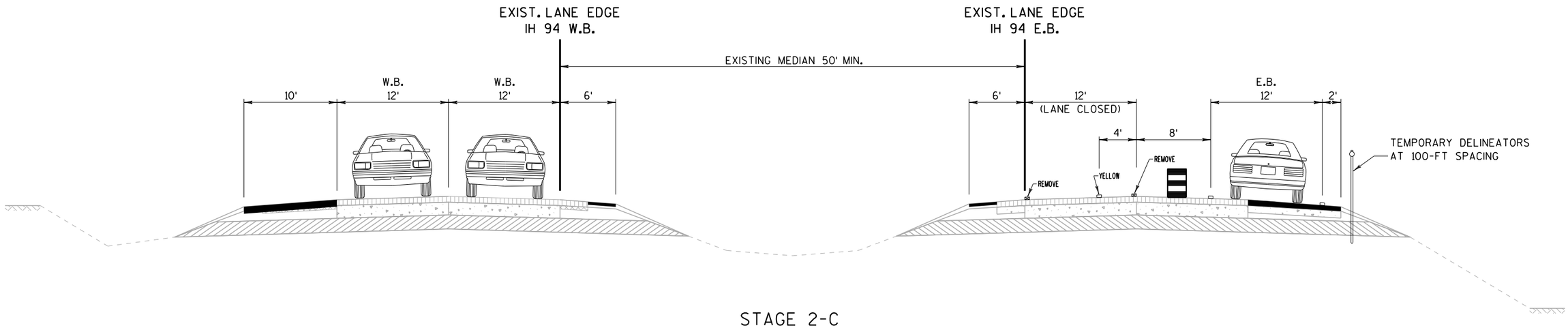
WB	EB
STA 216+00 to STA 455+75	STA 291+76 to STA 403+53
STA 499+00 to STA 567+00	

2



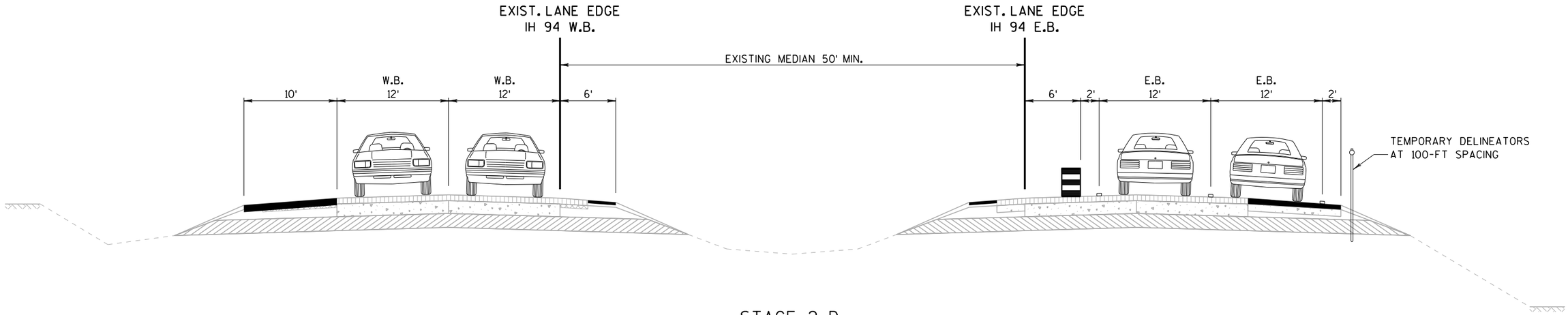
STAGE 2-B

REMOVE EB WHITE EDGE LINE
PLACE EB TEMPORARY LANE LINE & WHITE EDGE LINE
STA 207+22 to STA 289+76
STA 397+78 to STA 572+61



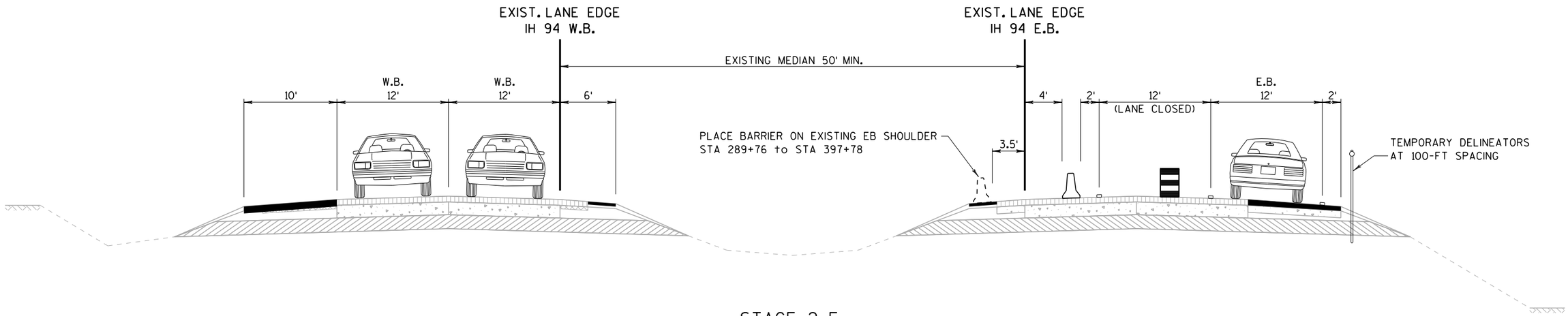
STAGE 2-C

SHIFT TRAFFIC WITH DRUMS EB DRIVING LANE
REMOVE EB LANE LINE & YELLOW EDGE LINE
PLACE EB TEMPORARY YELLOW EDGE LINE
STA 207+22 to STA 289+76
STA 397+78 to STA 572+61



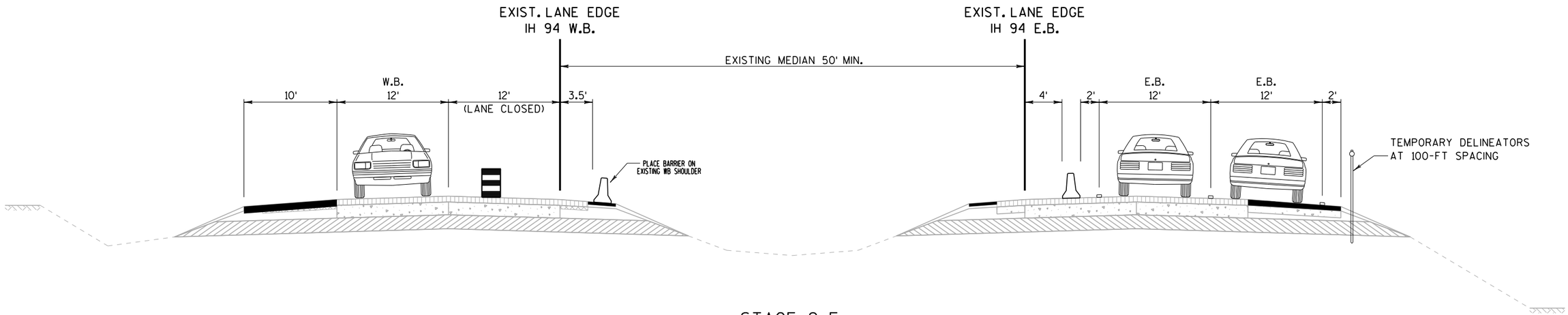
STAGE 2-D

SHIFT TRAFFIC WITH DRUMS EB PASSING LANE
STA 207+22 to STA 289+76
STA 397+78 to STA 572+61



STAGE 2-E

REPLACE EB DRUMS WITH
CONCRETE BARRIER TEMPORARY PRECAST
STA 207+22 to STA 289+76
STA 397+78 to STA 572+61

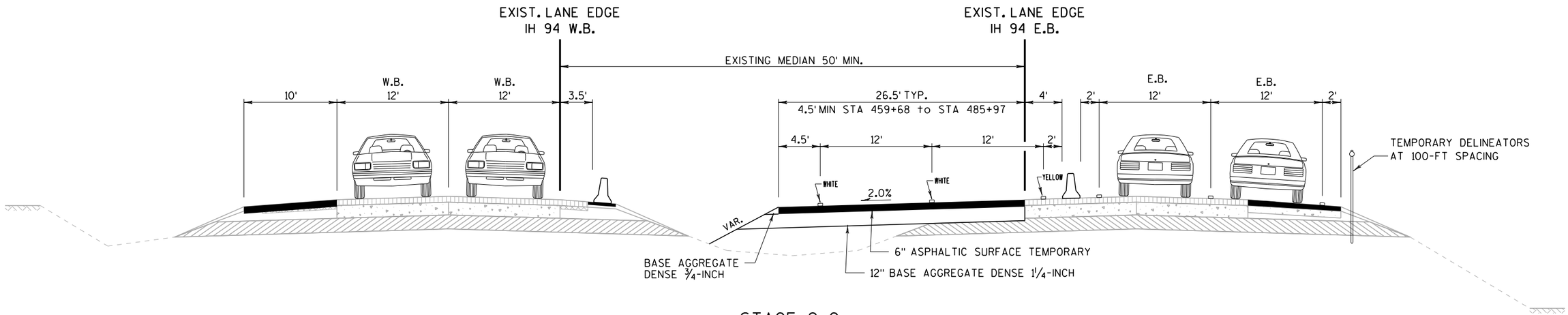


STAGE 2-F

PLACE WB CONCRETE BARRIER TEMPORARY PRECAST
STA 216+00 to STA 455+75
STA 499+00 to STA 567+00

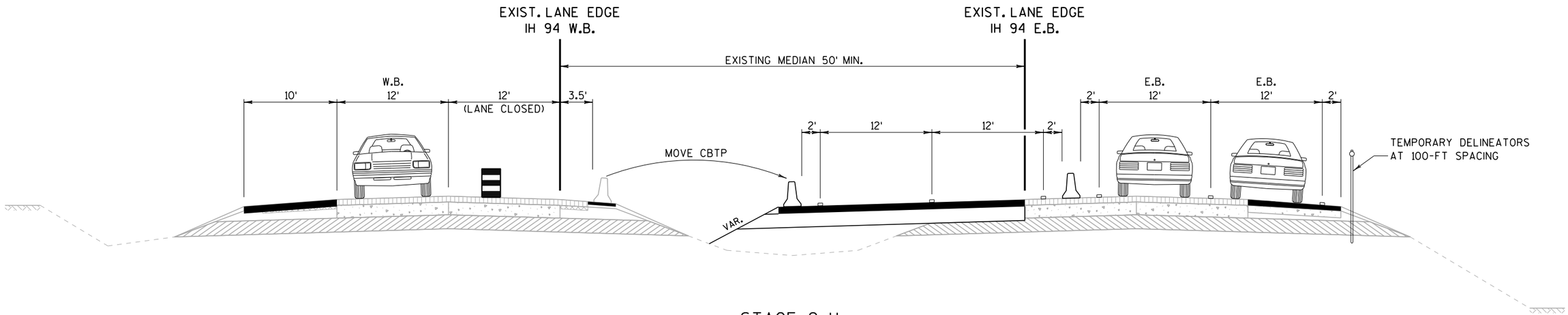
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	CONSTRUCTION STAGING FOR SEGMENTS WITH EXISTING 50' MEDIAN	SHEET 122	E

FILE NAME : C:\WisDOT\Users\PROJECTS\D6\I94DUNN\Plan Sheets 1022-07-76\025108_tc_const_staging_details.dgn PLOT DATE : 24-MAY-2018 10:14 PLOT BY : dottra PLOT NAME : PLOT SCALE : 200:1
WISDOT/CADDS SHEET 42



STAGE 2-G

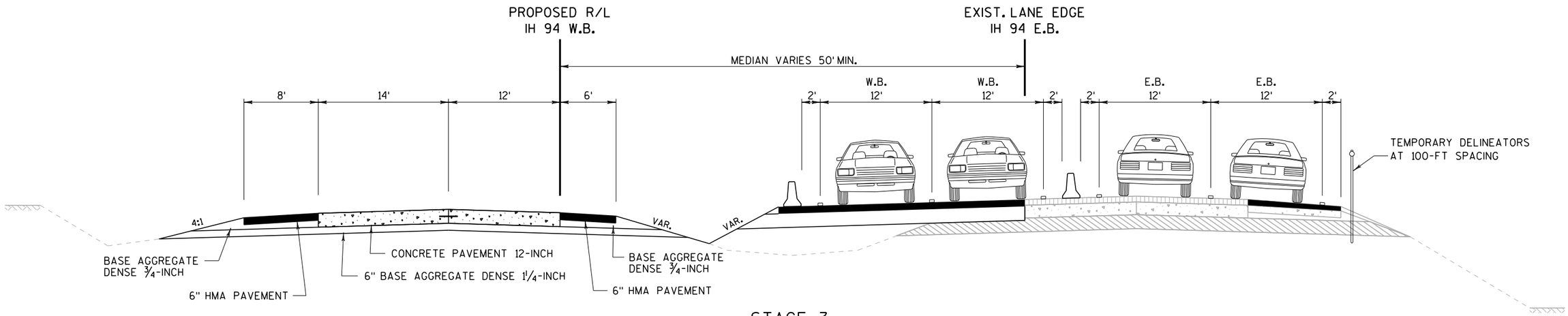
CONSTRUCT MEDIAN CROSSOVERS AND EB TEMPORARY MEDIAN WIDENING
CONSTRUCT TEMPORARY MEDIAN ROADWAY & TEMPORARY STRUCTURES
STA 208+42 to STA 577+11



STAGE 2-H

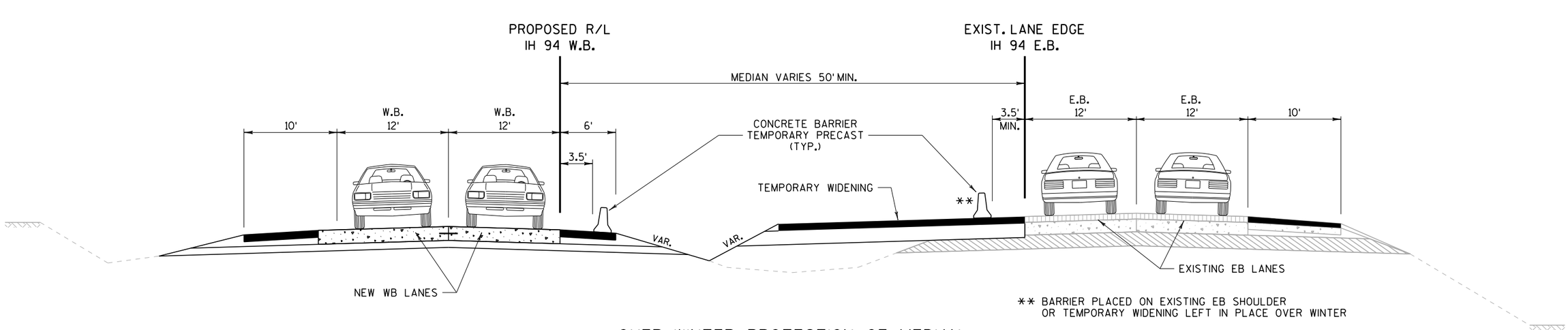
MOVE WB BARRIER TO TEMPORARY MEDIAN WIDENING/ROADWAY LEFT SIDE
STA 216+00 to STA 567+00

PLACE ADDITIONAL BARRIER ON TEMPORARY MEDIAN ROADWAY RIGHT SIDE
STA 291+76 to STA 403+53



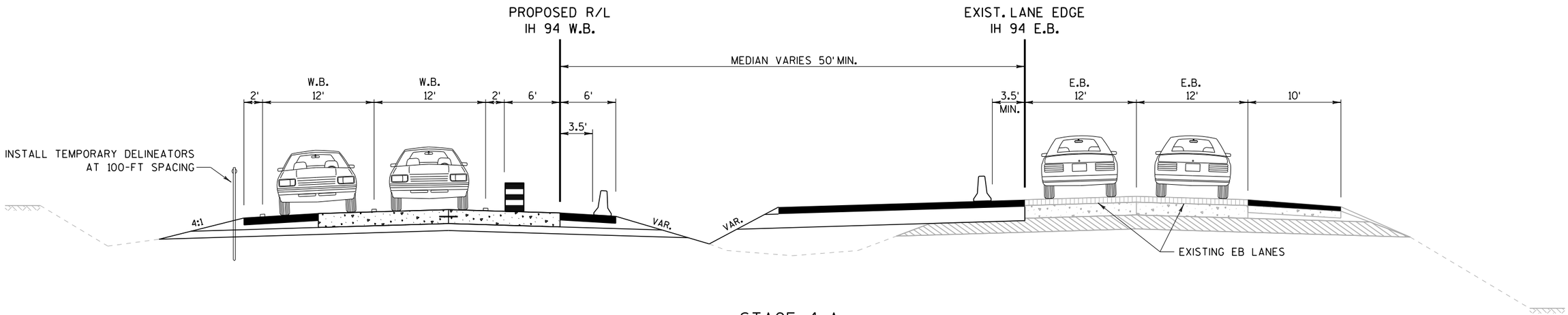
STAGE 3

SHIFT TRAFFIC WB TWO LANES TO TEMPORARY WIDENING & MEDIAN ROADWAY
CONSTRUCT NEW WB LANES & WB BRIDGES
STA 254+50 to STA 566+60



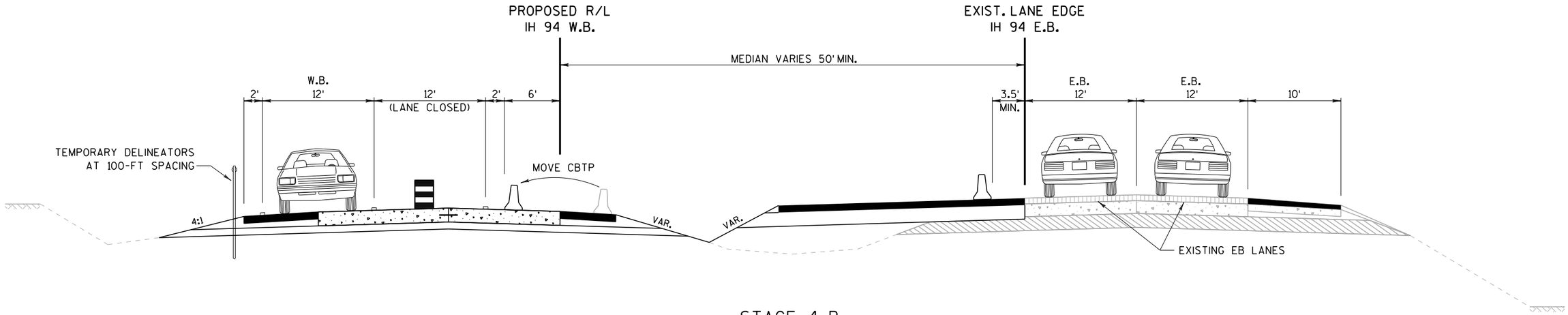
OVER-WINTER PROTECTION OF MEDIAN
(WORK SUSPENDED)

STA 208+00 to STA 578+00



STAGE 4-A

SHIFT TRAFFIC WITH DRUMS WB TWO LANES TO TEMPORARY LANES WB
STA 210+22 to STA 304+59
STA 397+64 to STA 572+65

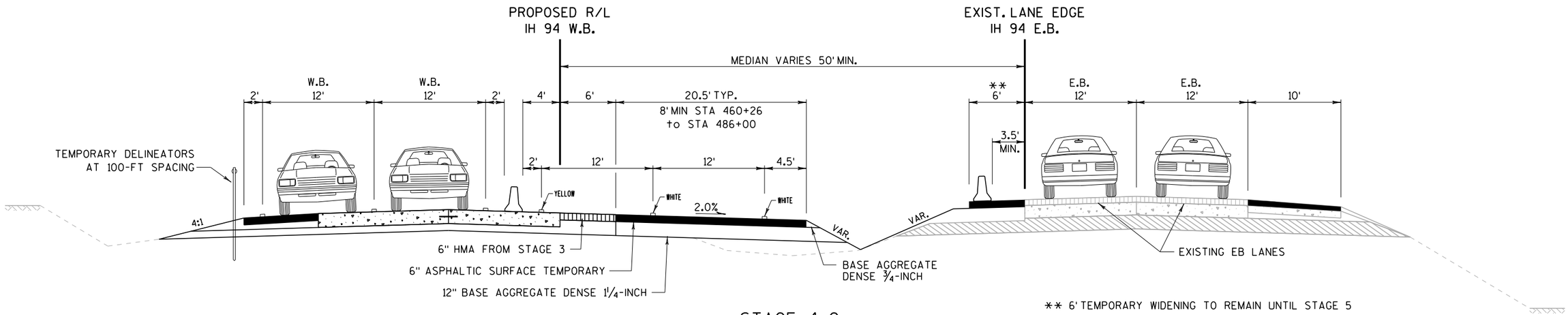


STAGE 4-B

MOVE BARRIER TO REPLACE WB DRUMS WB
STA 210+22 to STA 304+59
STA 397+64 to STA 572+65

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	CONSTRUCTION STAGING FOR SEGMENTS WITH EXISTING 50' MEDIAN	SHEET 125	E

FILE NAME : C:\WisDOT\Users\PROJECTS\D6\I94DUNN\Plan Sheets 1022-07-76\025108_tc_const_staging_details.dgn PLOT DATE : 24-MAY-2018 10:21 PLOT BY : dottra PLOT NAME : PLOT SCALE : 200:1
WISDOT/CADDS SHEET 42

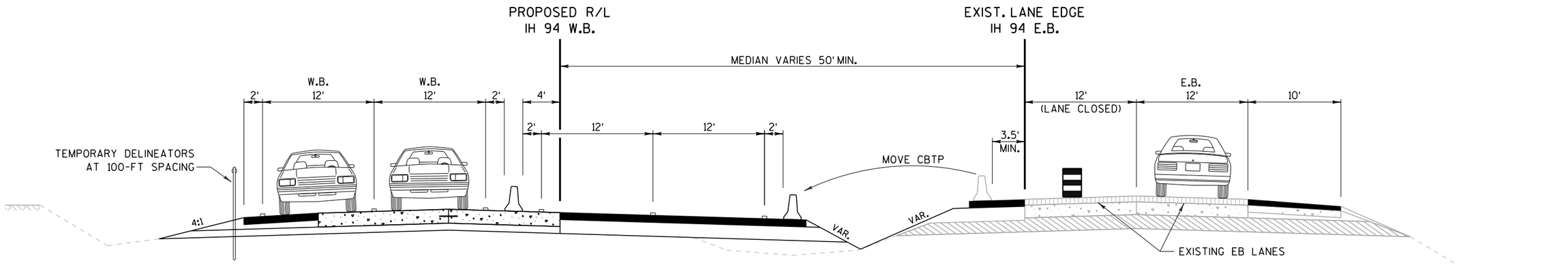


** 6' TEMPORARY WIDENING TO REMAIN UNTIL STAGE 5

STAGE 4-C

REMOVE EB TEMPORARY MEDIAN WIDENING
CONSTRUCT MEDIAN CROSSOVERS AND WB TEMPORARY MEDIAN WIDENING

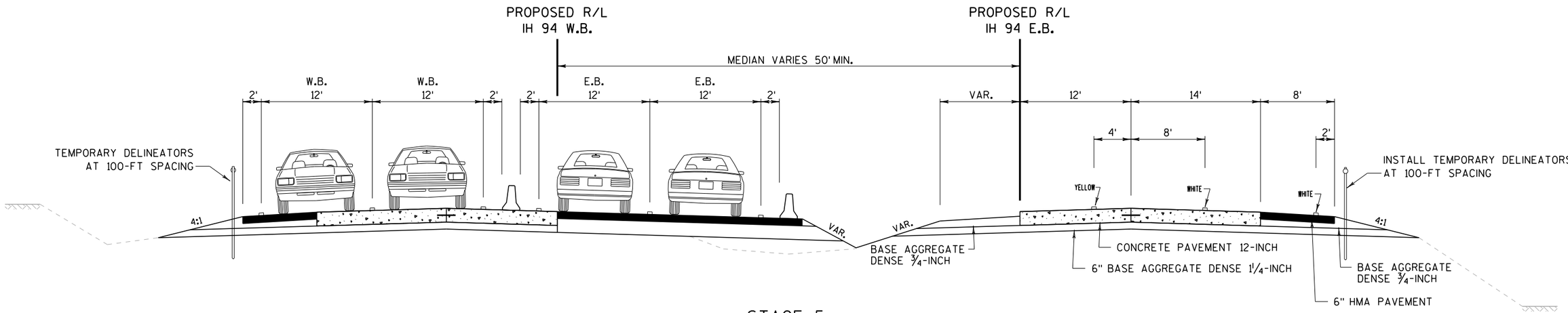
WB	EB
STA 208+94 to STA 299+35	STA 208+42 to STA 291+76
STA 412+72 to STA 576+00	STA 403+53 to STA 577+11



STAGE 4-D

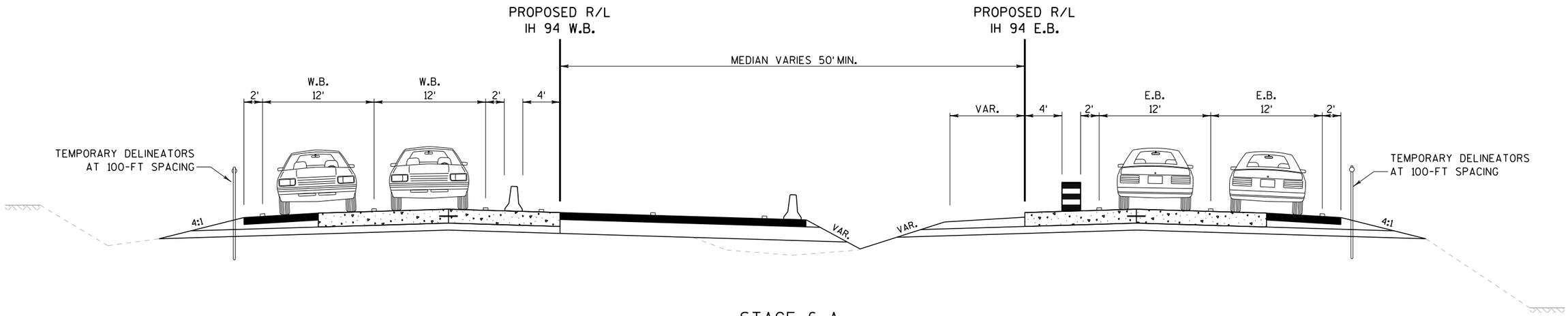
MOVE EB BARRIER TO WB TEMPORARY MEDIAN WIDENING

EB
STA 207+22 to STA 289+76
STA 397+18 to STA 572+61



STAGE 5

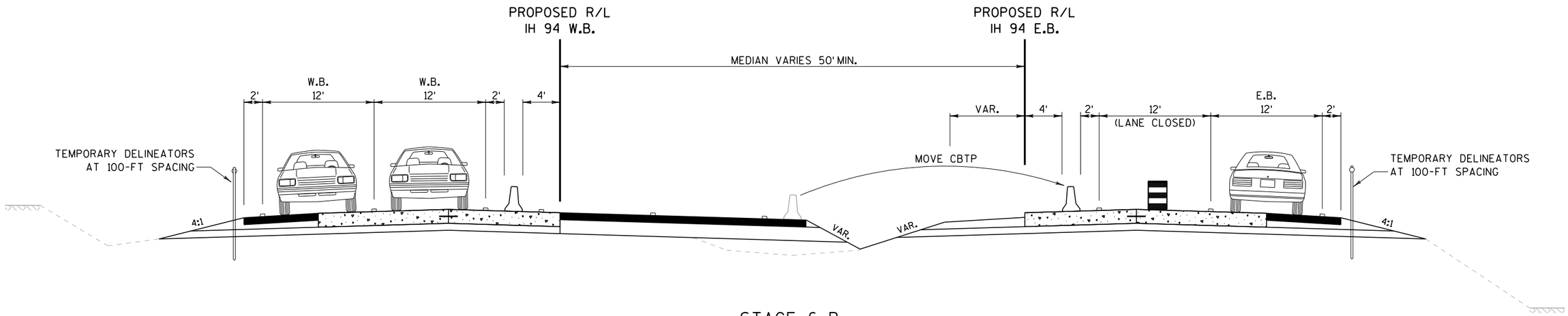
SHIFT TRAFFIC EB TWO LANES TO TEMPORARY WIDENING & MEDIAN ROADWAY
CONSTRUCT NEW EB LANES & EB BRIDGES
STA 254+50 to STA 566+60



STAGE 6-A

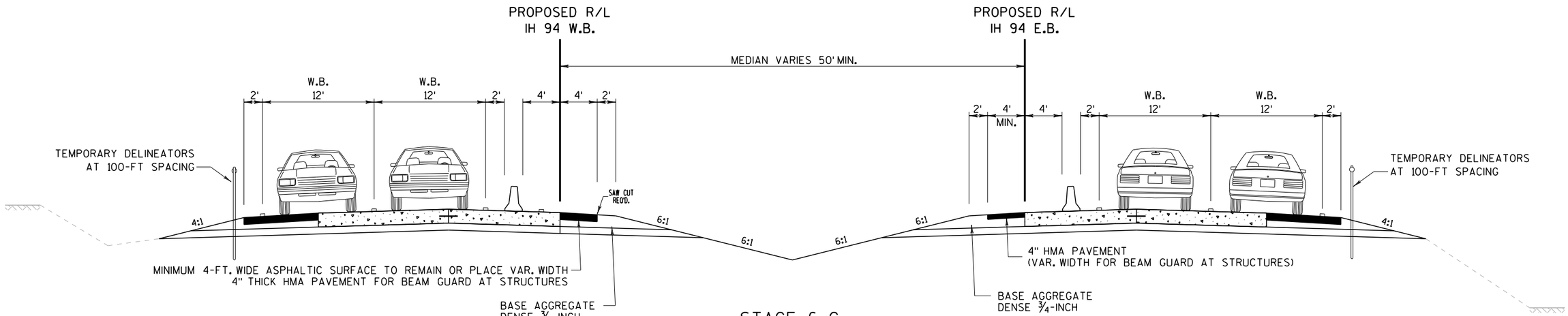
SHIFT ALL TRAFFIC TO TEMPORARY LANES

WB	EB
STA 210+22 to STA 572+65	STA 207+22 to STA 572+61



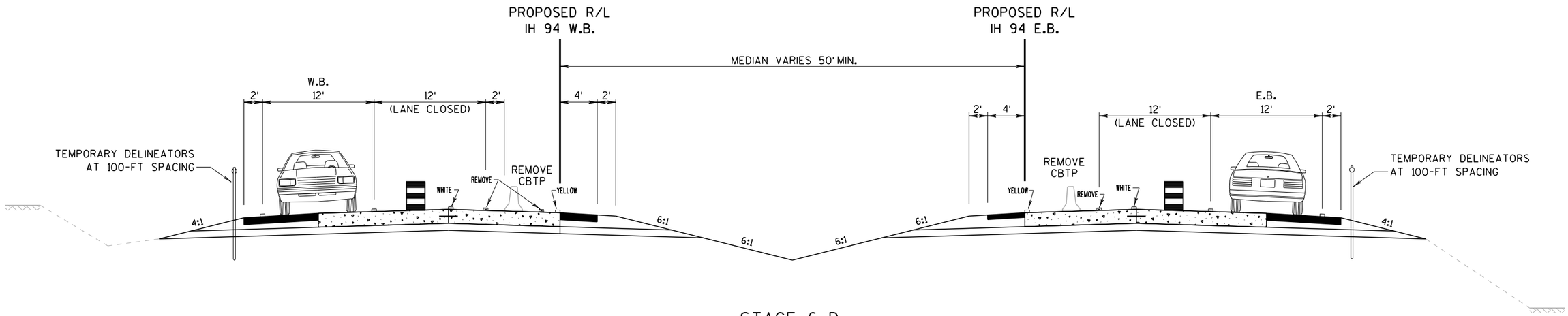
STAGE 6-B

MOVE BARRIER AS NECESSARY FOR TEMPORARY LANES WB & EB
STA 207+00 to STA 573+00



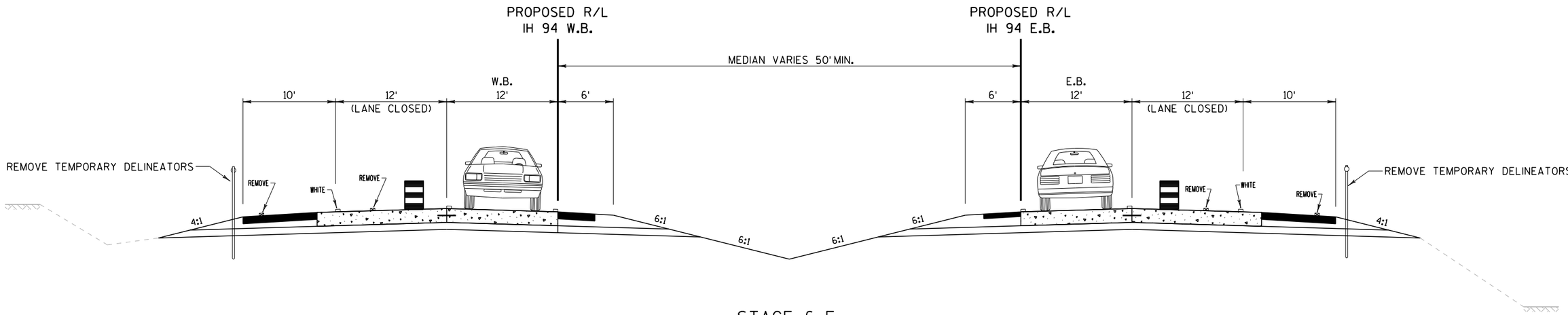
STAGE 6-C

REMOVE WB TEMPORARY WIDENING/MEDIAN ROADWAY/TEMPORARY STRUCTURES
FINISH WB AND EB INSIDE SHOULDERS/RESTORE MEDIAN
STA 207+00 to STA 573+00



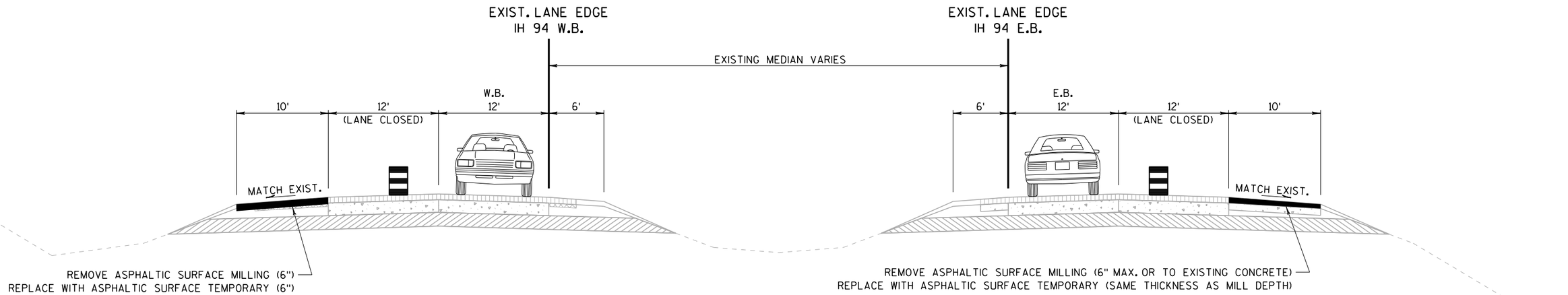
STAGE 6-D

REMOVE ALL BARRIER & WB/EB TEMPORARY YELLOW EDGE LINE
PLACE WB/EB LANE LINE & YELLOW EDGE LINE
STA 207+00 to STA 573+00



STAGE 6-E

SHIFT TRAFFIC WITH DRUMS WB AND EB PASSING LANE
REMOVE WB/EB TEMPORARY LANE LINE & TEMPORARY WHITE EDGE LINE
PLACE WB/EB WHITE EDGE LINE
STA 207+00 to STA 573+00

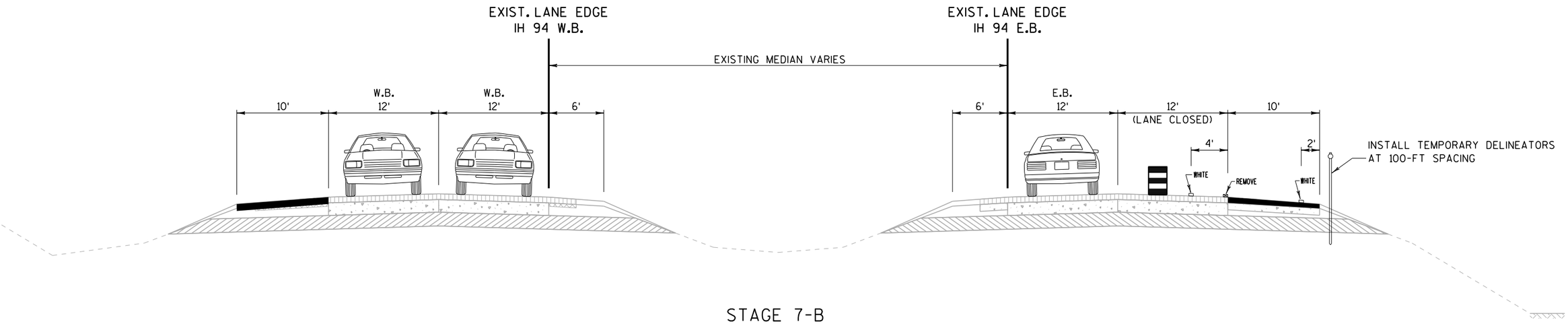


STAGE 7-A

MILL & RESURFACE OUTSIDE SHOULDERS

WB: STA 572+64 to STA 666+00

EB: STA 572+60 to STA 660+00



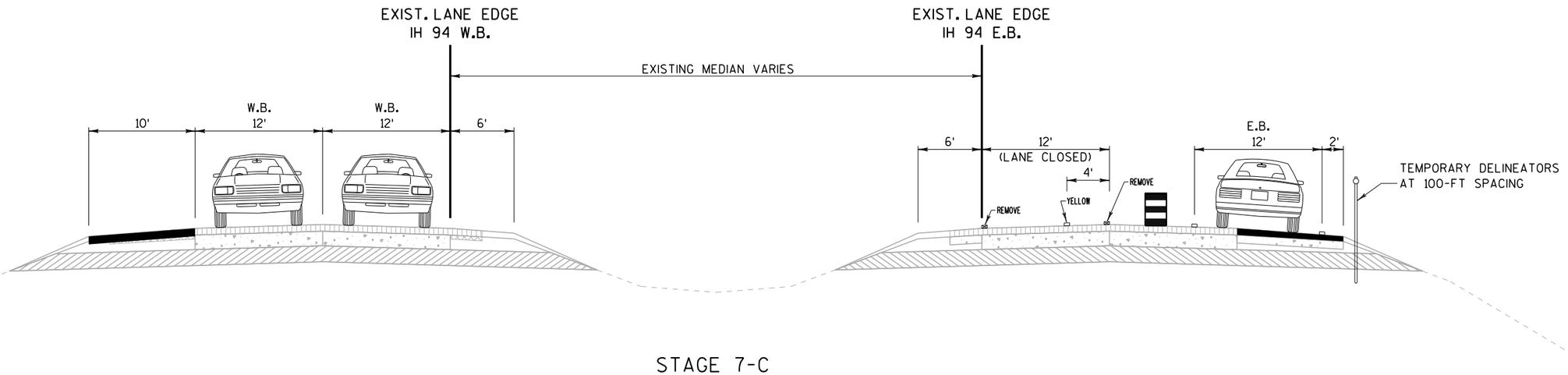
STAGE 7-B

REMOVE EB WHITE EDGE LINE

PLACE EB TEMPORARY LANE LINE & WHITE EDGE LINE

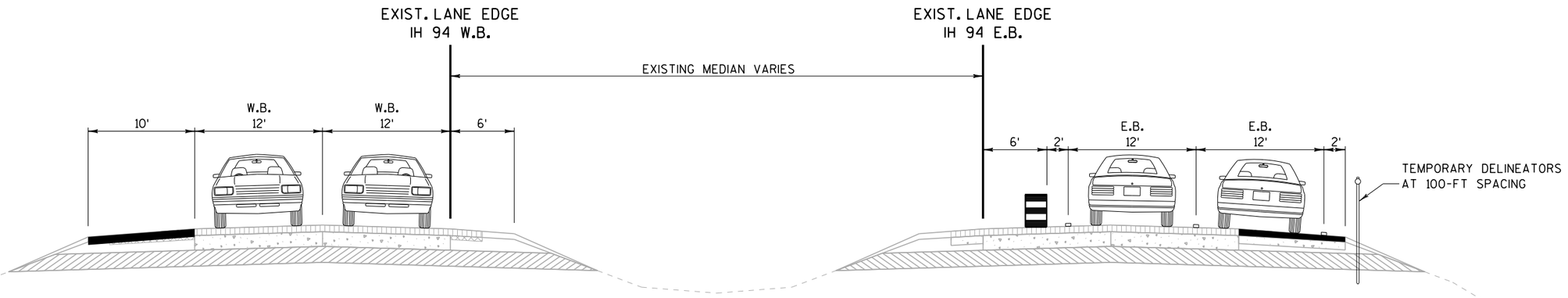
STA 560+58 to STA 723+67

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	CONSTRUCTION STAGING THREE-LANE / SPLIT TRAFFIC	SHEET 130	E



STAGE 7-C

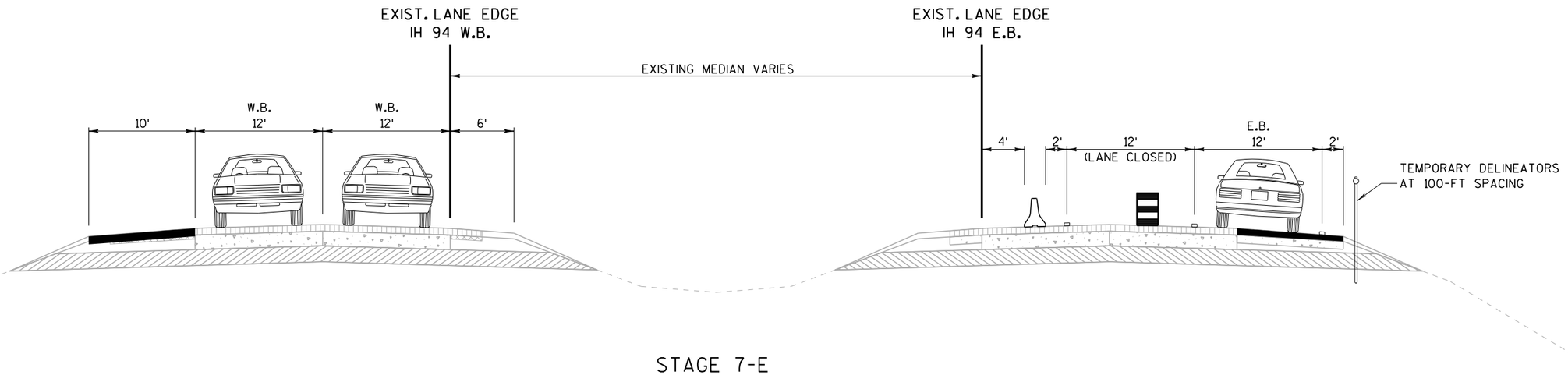
SHIFT TRAFFIC WITH DRUMS EB DRIVING LANE
REMOVE EB LANE LINE & YELLOW EDGE LINE
PLACE EB TEMPORARY YELLOW EDGE LINE
STA 560+58 to STA 723+67



STAGE 7-D

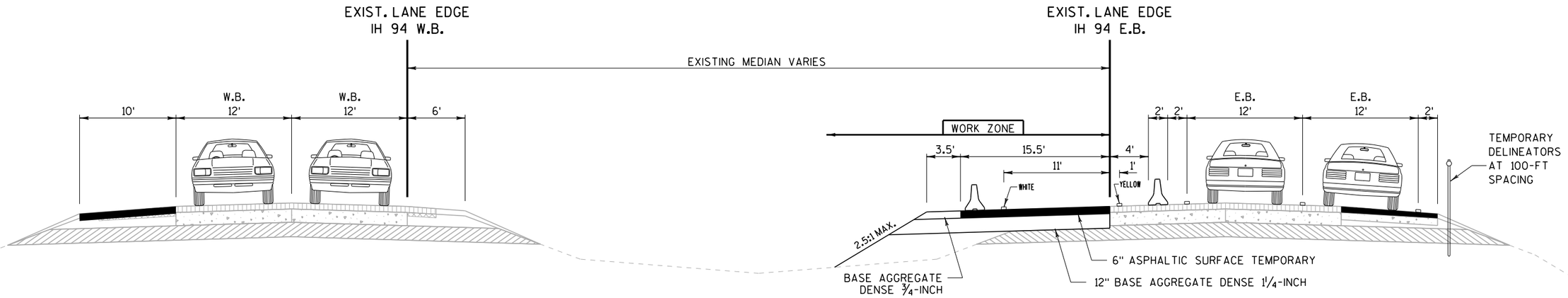
SHIFT TRAFFIC WITH DRUMS EB PASSING LANE
STA 560+58 to STA 723+67

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	CONSTRUCTION STAGING THREE-LANE / SPLIT TRAFFIC	SHEET 131	E



STAGE 7-E

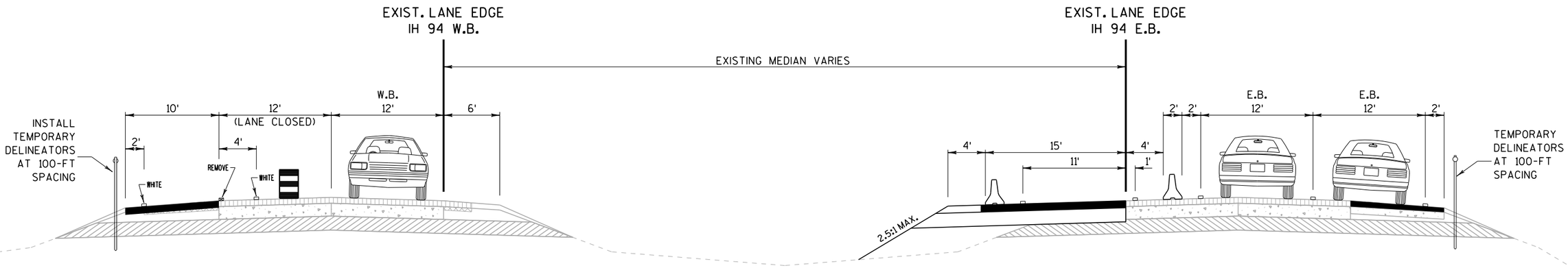
REPLACE EB DRUMS WITH
CONCRETE BARRIER TEMPORARY PRECAST
STA 560+58 to STA 723+67



STAGE 7-F

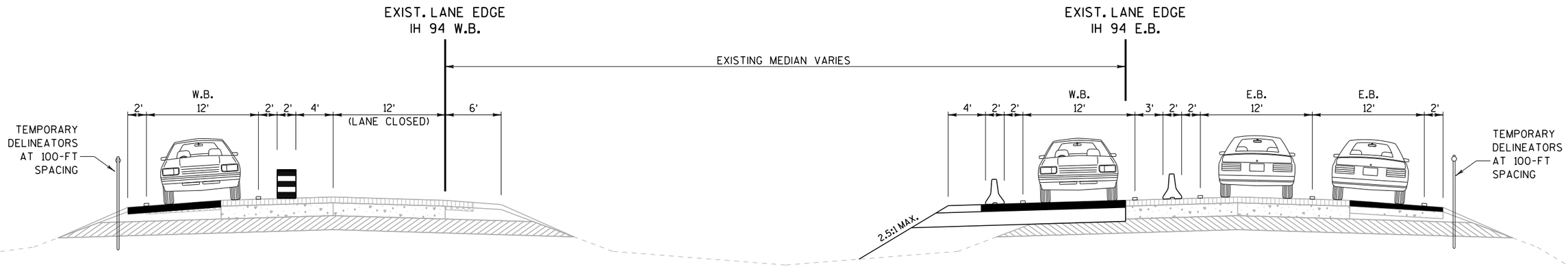
CONSTRUCT MEDIAN CROSSOVERS
STA 562+59 to STA 568+77
STA 708+52 to STA 724+19

CONSTRUCT EB MEDIAN WIDENING
STA 568+77 to STA 695+53
STA 702+35 to STA 708+52



STAGE 7-G

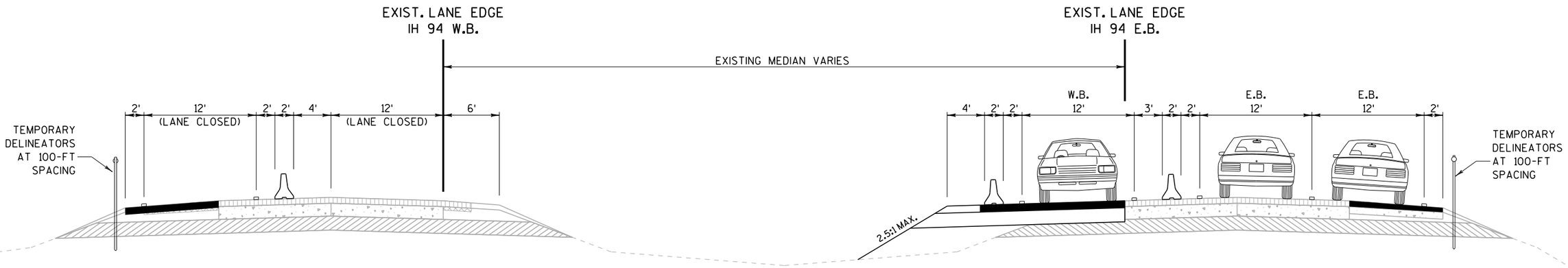
REMOVE WB WHITE EDGE LINE
PLACE WB TEMPORARY LANE LINE & WHITE EDGE LINE
STA 560+58 to STA 696+00



STAGE 7-H

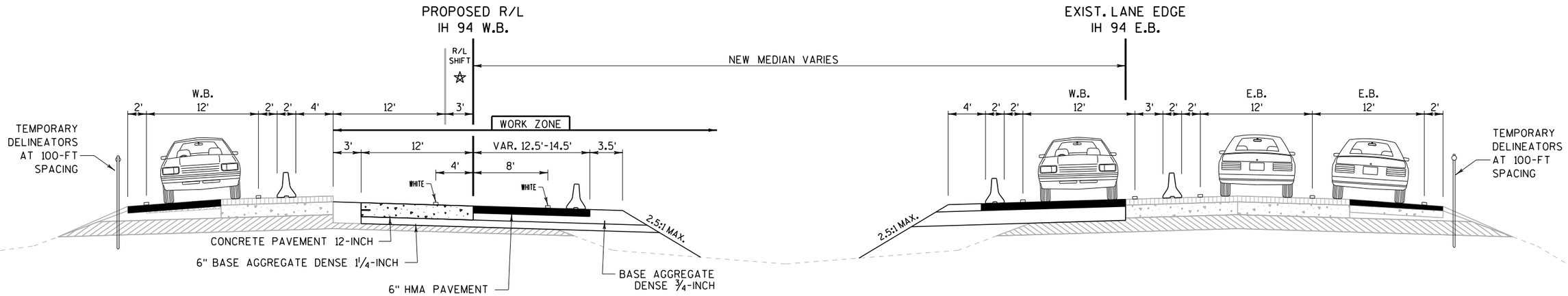
SHIFT TRAFFIC WB TWO LANES SPLIT
STA 557+40 to STA 724+19

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	CONSTRUCTION STAGING THREE-LANE / SPLIT TRAFFIC	SHEET 133	E



STAGE 7-I

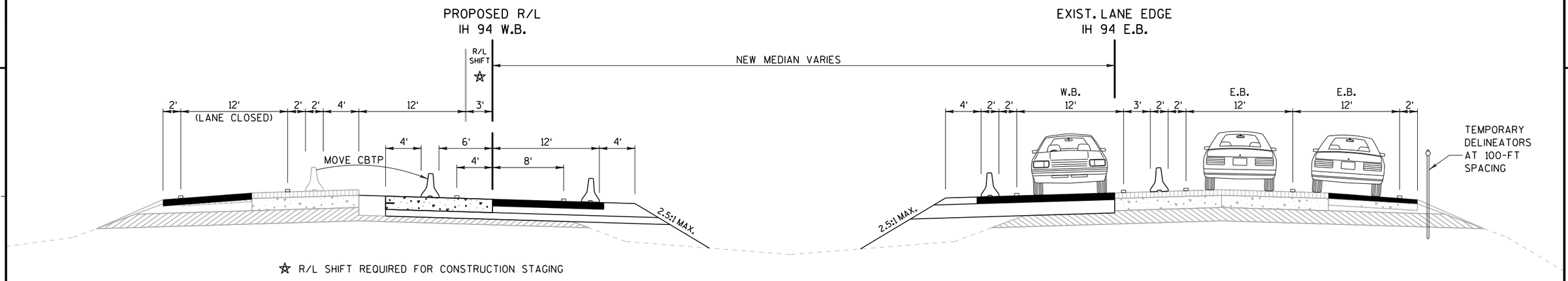
REPLACE WB DRUMS WITH
CONCRETE BARRIER TEMPORARY PRECAST
STA 557+40 to STA 724+19



STAGE 7-J

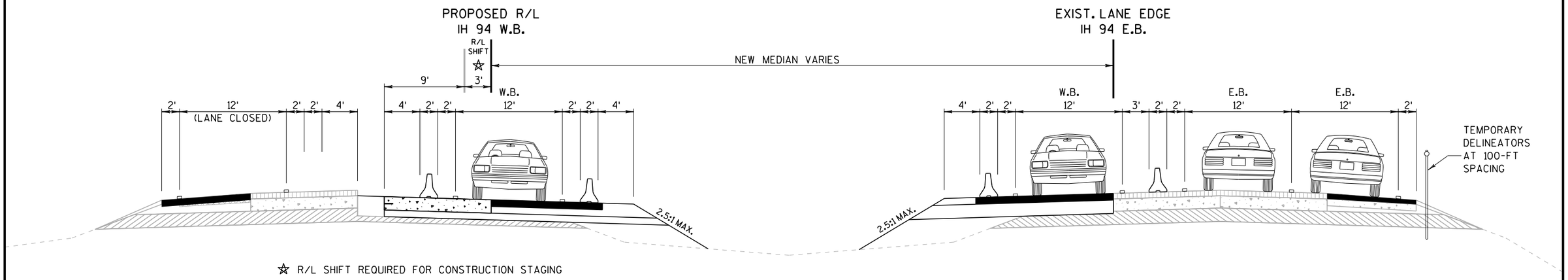
CONSTRUCT WB PASSING LANE
CONSTRUCT WB MEDIAN WIDENING
STA 566+60 to STA 685+00

☆ R/L SHIFT REQUIRED FOR CONSTRUCTION STAGING



STAGE 7-K

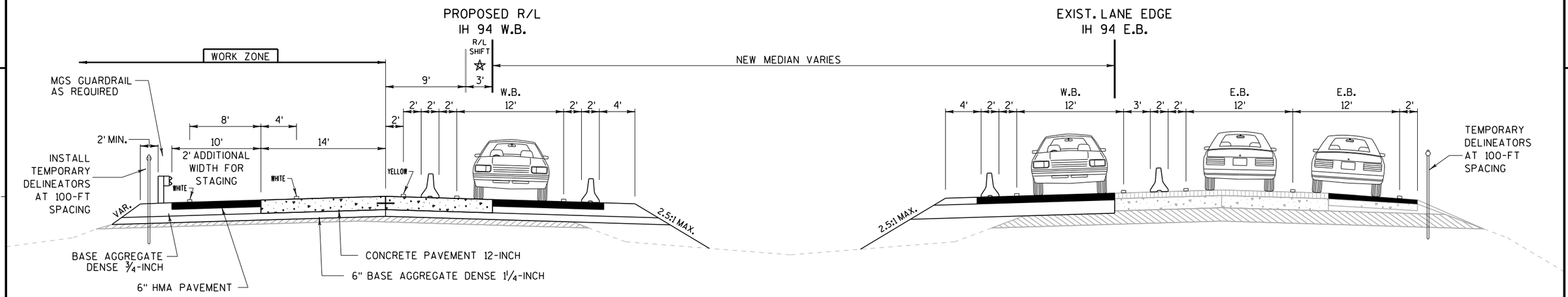
MOVE WB BARRIER TO NEW CONCRETE
STA 566+60 to STA 685+00



STAGE 7-L

SHIFT TRAFFIC WB DRIVING LANE
STA 557+40 to STA 697+74

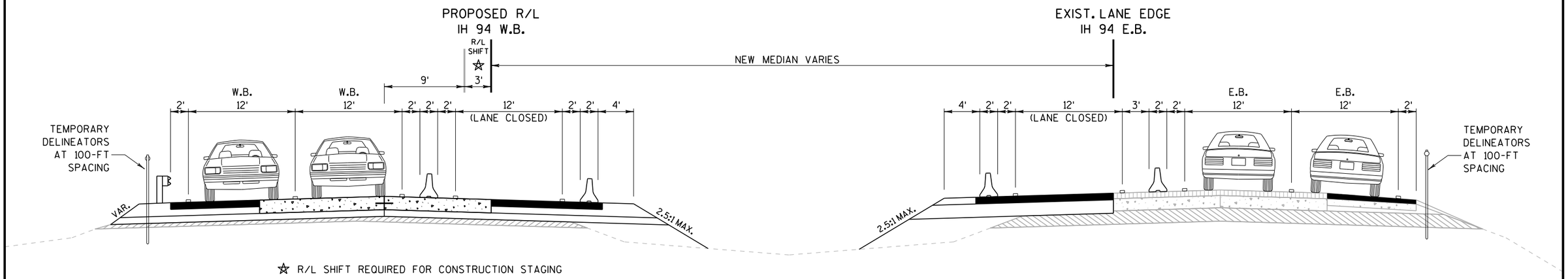
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	CONSTRUCTION STAGING THREE-LANE / SPLIT TRAFFIC	SHEET 135	E



★ R/L SHIFT REQUIRED FOR CONSTRUCTION STAGING

STAGE 7-M

CONSTRUCT WB DRIVING LANE
STA 566+60 to STA 685+00



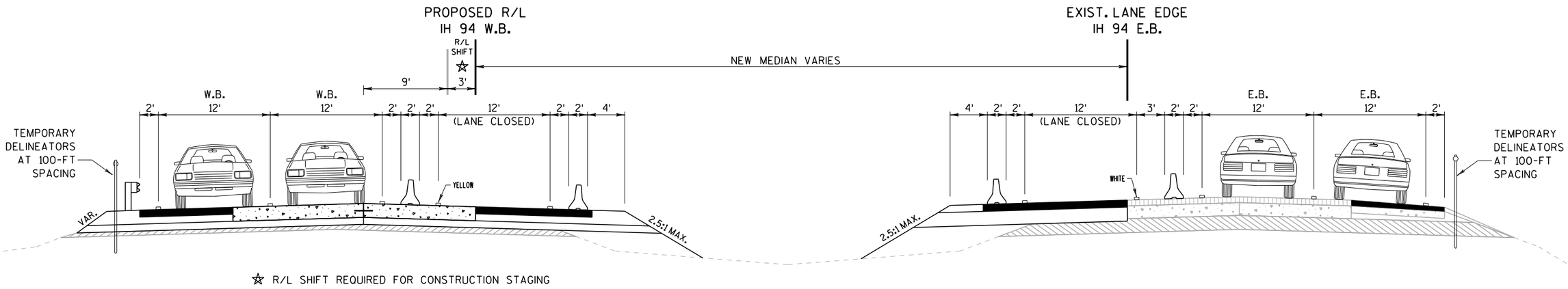
★ R/L SHIFT REQUIRED FOR CONSTRUCTION STAGING

STAGE 8-A

SHIFT TRAFFIC WB TWO LANES
STA 559+00 to STA 715+00

CONSTRUCT MEDIAN CROSSOVERS
STA 557+52 to STA 567+20
STA 702+54 to STA 717+39

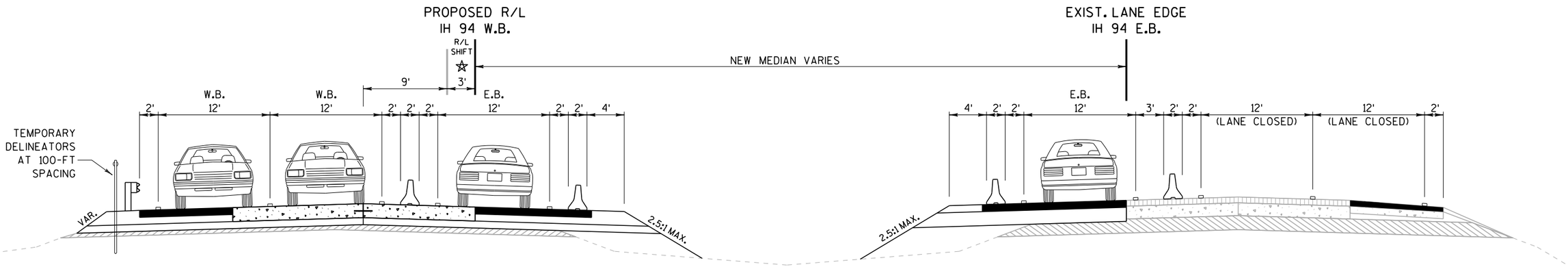
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	CONSTRUCTION STAGING THREE-LANE / SPLIT TRAFFIC	SHEET 136	E



☆ R/L SHIFT REQUIRED FOR CONSTRUCTION STAGING

STAGE 8-B

PLACE EB TEMPORARY WHITE & YELLOW EDGE LINE
STA 556+00 to STA 717+40

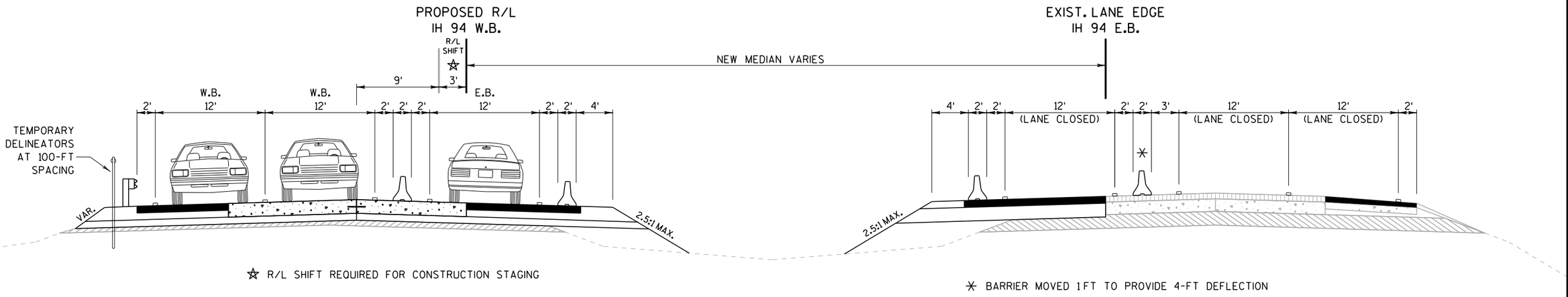


☆ R/L SHIFT REQUIRED FOR CONSTRUCTION STAGING

STAGE 8-C

SHIFT TRAFFIC EB TWO LANES SPLIT
STA 556+00 to STA 717+40

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	CONSTRUCTION STAGING THREE-LANE / SPLIT TRAFFIC	SHEET 137	E

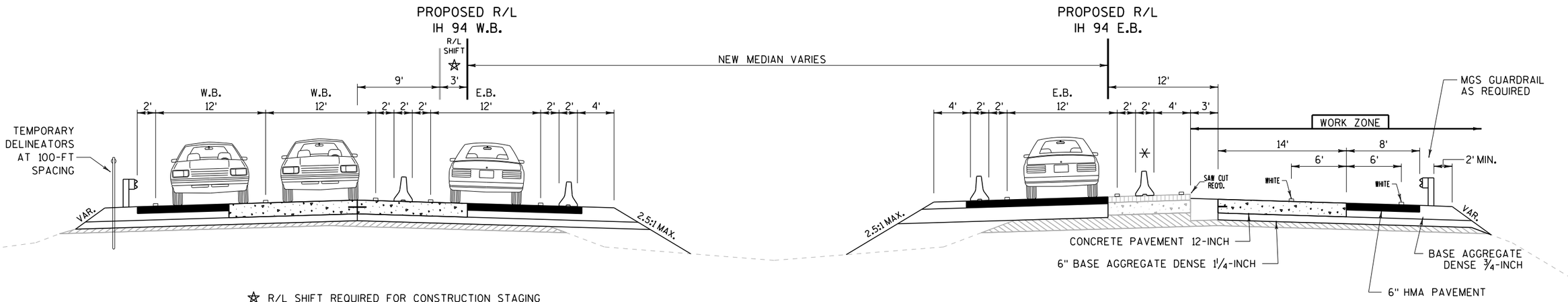


☆ R/L SHIFT REQUIRED FOR CONSTRUCTION STAGING

✳ BARRIER MOVED 1FT TO PROVIDE 4-FT DEFLECTION

STAGE 8-D

MOVE EB BARRIER ONE FOOT
STA 556+00 to STA 690+00



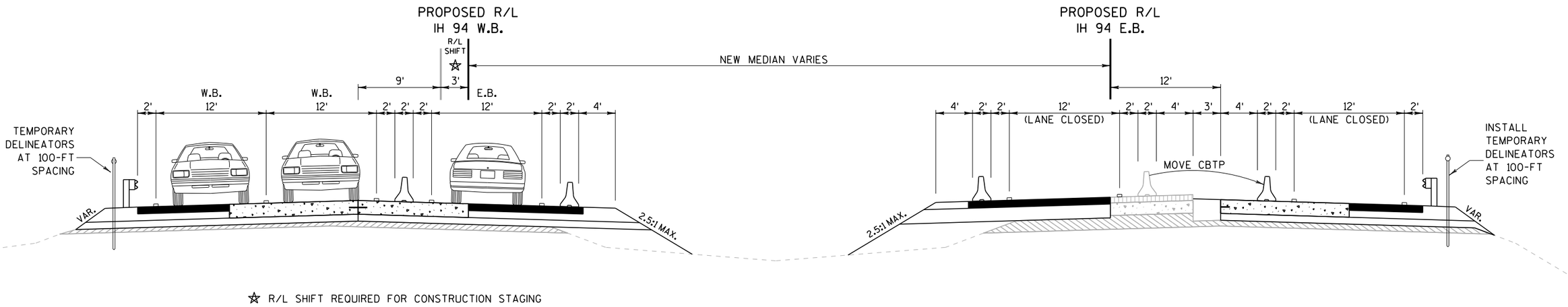
☆ R/L SHIFT REQUIRED FOR CONSTRUCTION STAGING

✳ BARRIER MOVED 1FT TO PROVIDE 4-FT DEFLECTION

STAGE 8-E

CONSTRUCT EB DRIVING LANE
STA 566+60 to STA 685+00

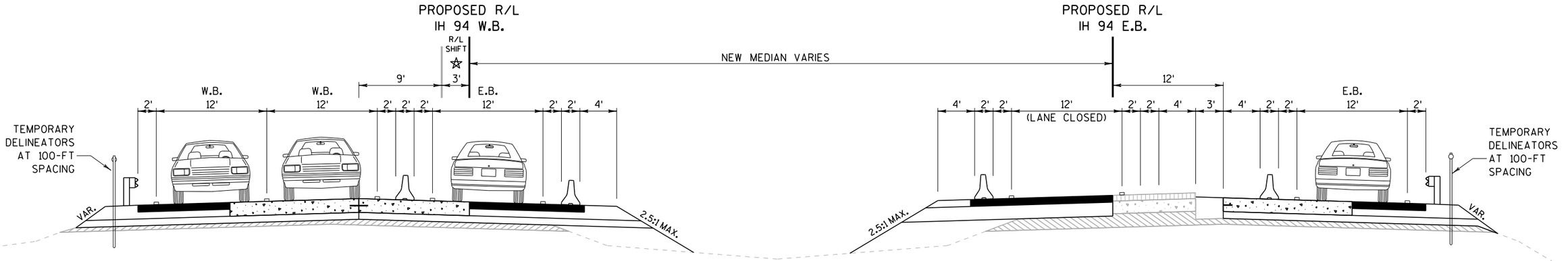
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	CONSTRUCTION STAGING THREE-LANE / SPLIT TRAFFIC	SHEET 138	E



☆ R/L SHIFT REQUIRED FOR CONSTRUCTION STAGING

STAGE 8-F

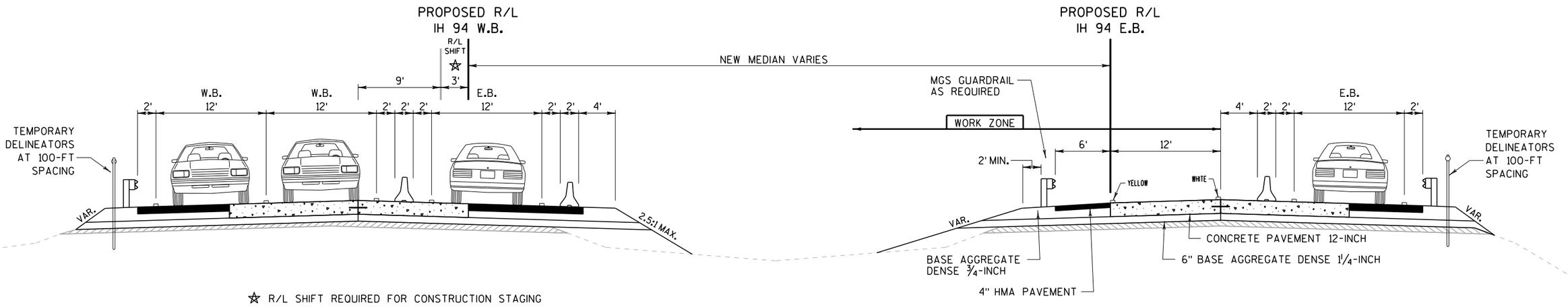
MOVE EB BARRIER TO NEW CONCRETE
STA 556+00 to STA 690+00



☆ R/L SHIFT REQUIRED FOR CONSTRUCTION STAGING

STAGE 8-G

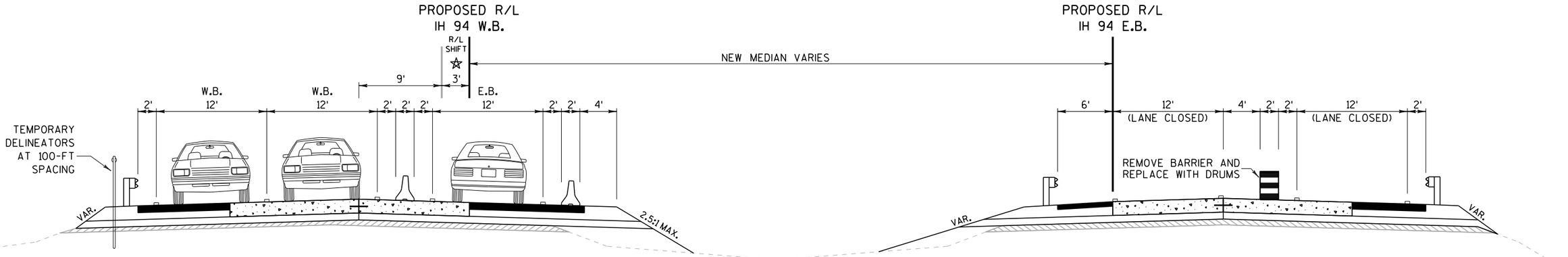
SHIFT TRAFFIC EB DRIVING LANE
STA 556+00 to STA 707+00



☆ R/L SHIFT REQUIRED FOR CONSTRUCTION STAGING

STAGE 8-H

CONSTRUCT EB PASSING LANE
STA 566+60 to STA 685+00

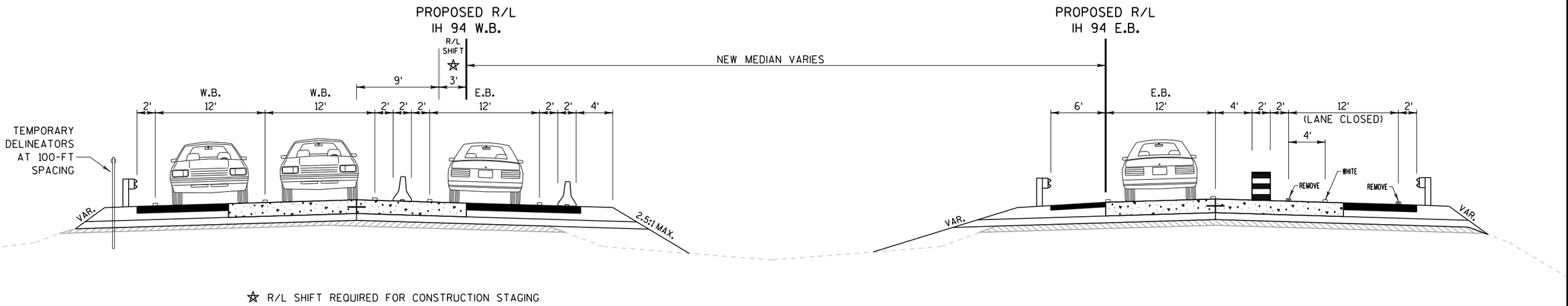


☆ R/L SHIFT REQUIRED FOR CONSTRUCTION STAGING

STAGE 8-I

REMOVE EB BARRIER AND REPLACE WITH DRUMS
STA 556+00 to STA 690+00

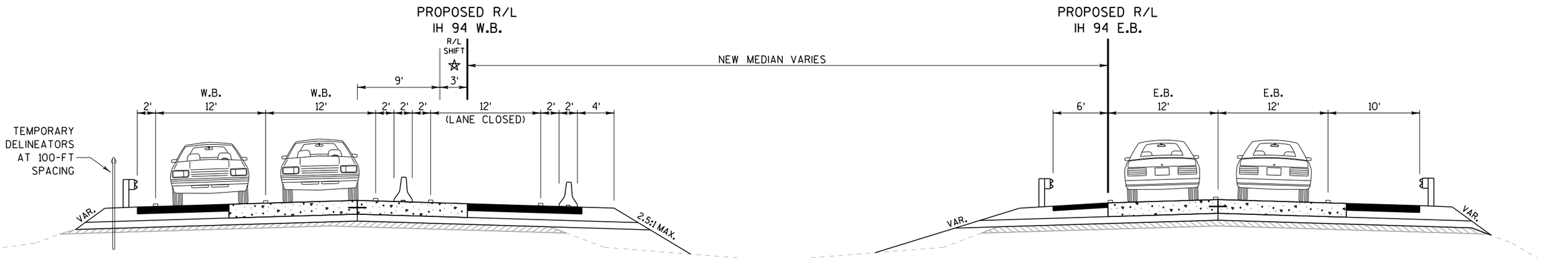
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	CONSTRUCTION STAGING THREE-LANE / SPLIT TRAFFIC	SHEET 140	E



☆ R/L SHIFT REQUIRED FOR CONSTRUCTION STAGING

STAGE 8-J

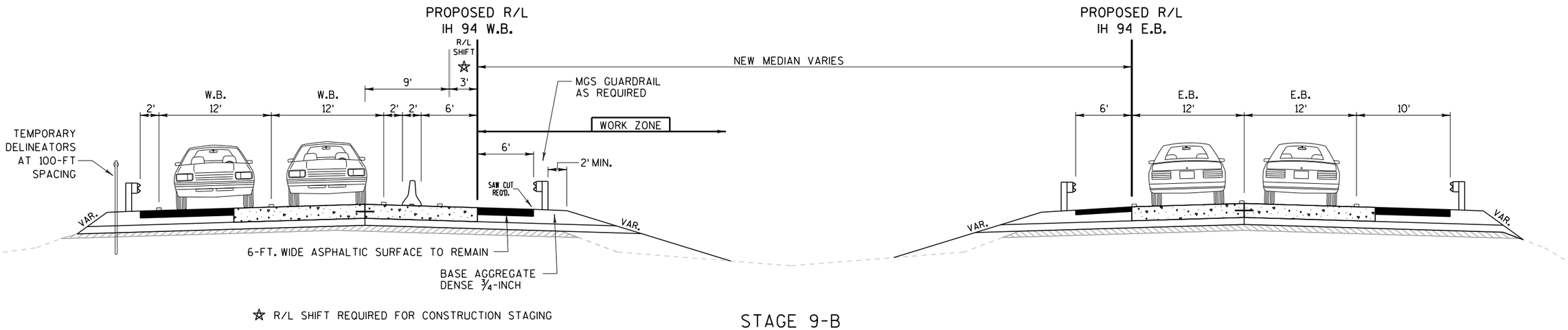
SHIFT TRAFFIC WITH DRUMS EB DRIVING LANE
REMOVE EB LANE LINE & WHITE EDGE LINE
PLACE EB WHITE EDGE LINE
STA 556+00 to STA 707+00



☆ R/L SHIFT REQUIRED FOR CONSTRUCTION STAGING

STAGE 9-A

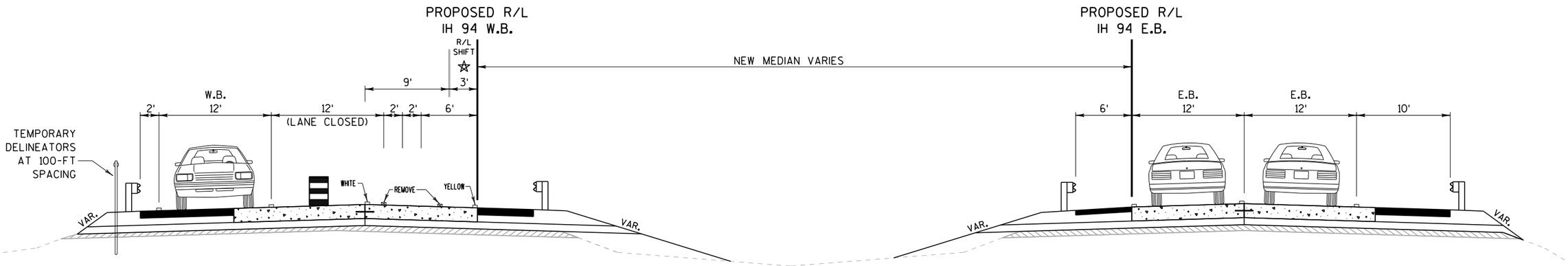
SHIFT TRAFFIC EB TWO LANES
STA 556+00 to STA 717+40



☆ R/L SHIFT REQUIRED FOR CONSTRUCTION STAGING

STAGE 9-B

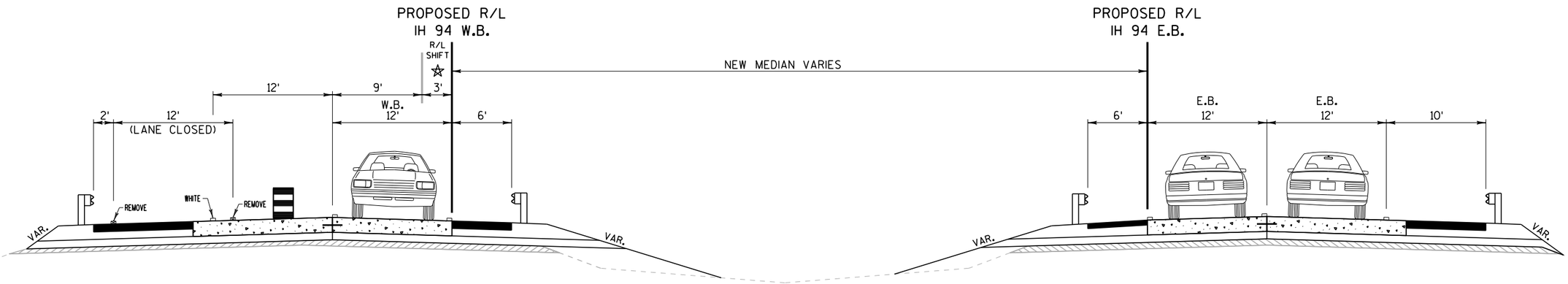
FINISH WB INSIDE SHOULDER
STA 556+00 to STA 717+40



☆ R/L SHIFT REQUIRED FOR CONSTRUCTION STAGING

STAGE 9-C

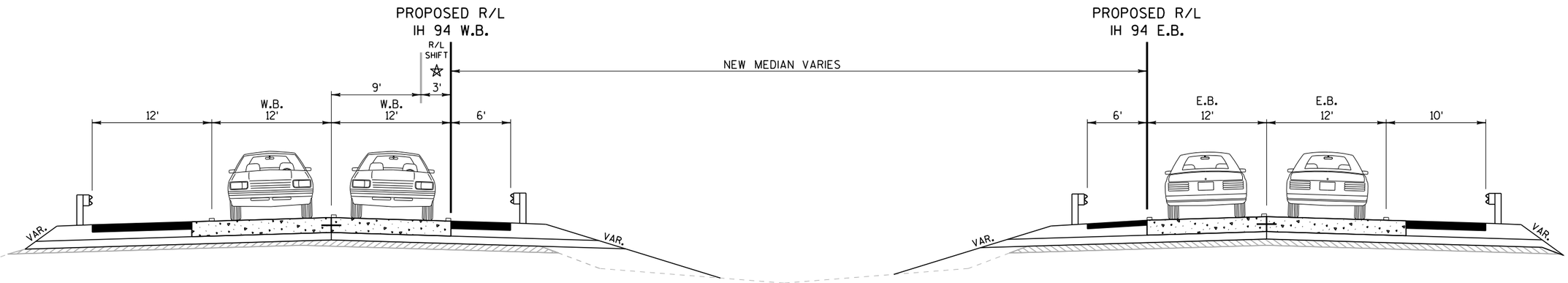
REMOVE WB BARRIER
REMOVE WB & EB YELLOW EDGE LINE
PLACE WB LANE LINE & YELLOW EDGE LINE
STA 556+00 to STA 717+40



☆ R/L SHIFT REQUIRED FOR CONSTRUCTION STAGING

STAGE 9-D

SHIFT TRAFFIC WITH DRUMS WB PASSING LANE
REMOVE WB LANE LINE & WHITE EDGE LINE
PLACE WB WHITE EDGE LINE
STA 556+00 to STA 717+40



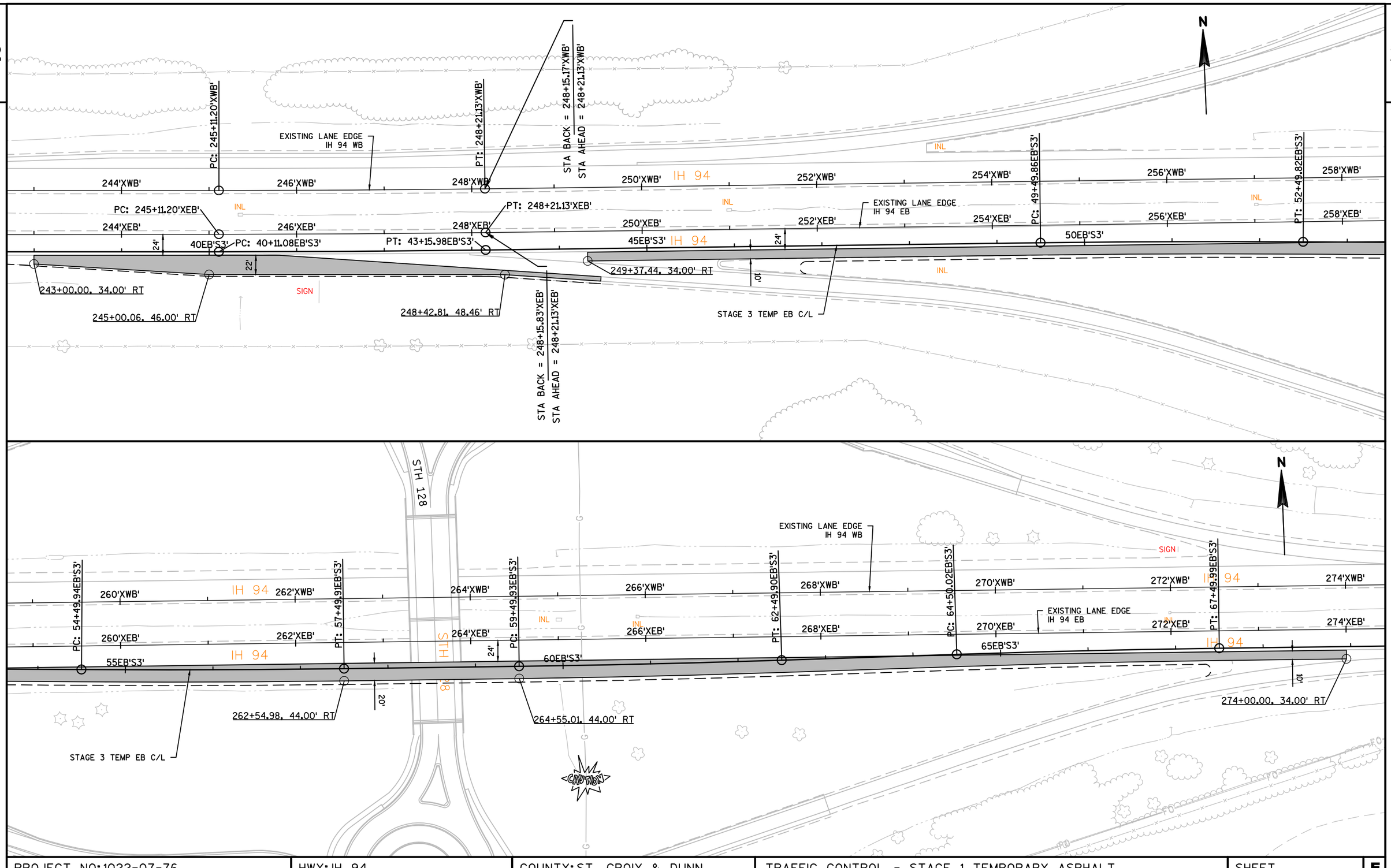
☆ R/L SHIFT REQUIRED FOR CONSTRUCTION STAGING

STAGE 9-E

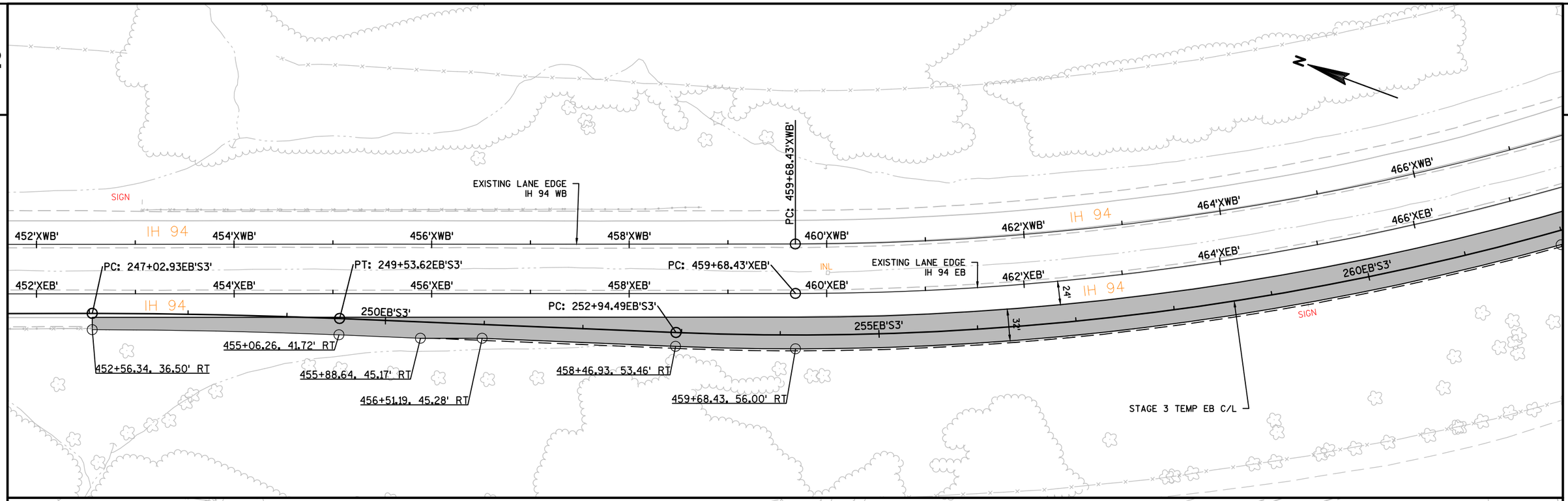
SHIFT TRAFFIC WB DRIVING LANE
FINISHED LANES WB & EB
STA 556+00 to STA 717+40

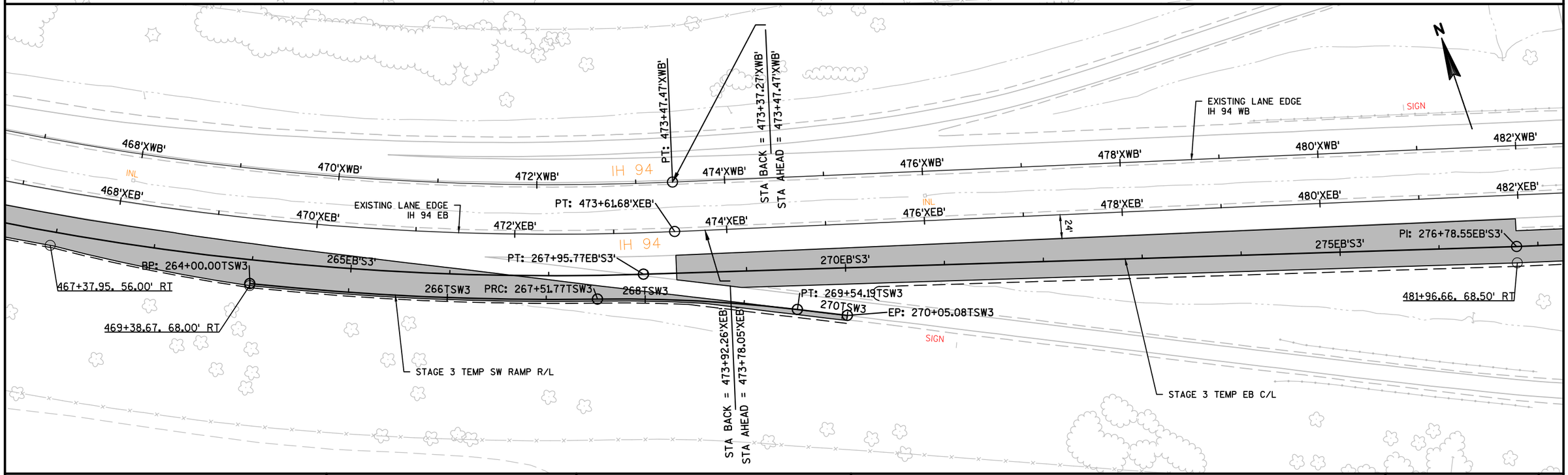
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	CONSTRUCTION STAGING THREE-LANE / SPLIT TRAFFIC	SHEET 143	E

2



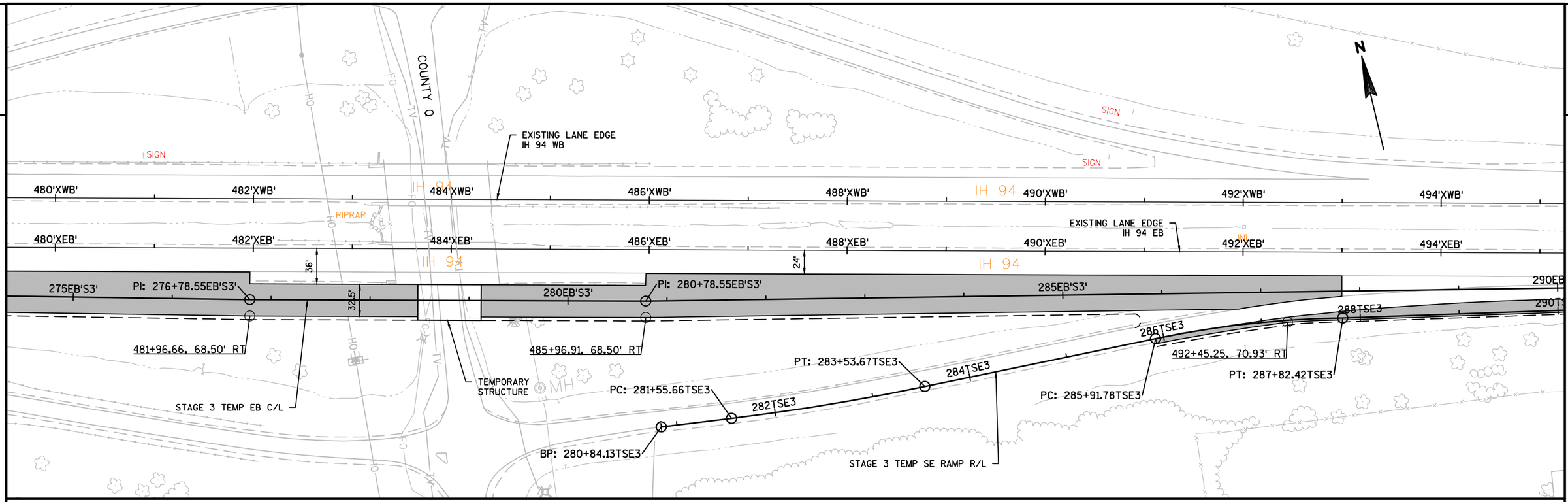
PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 1 TEMPORARY ASPHALT	SHEET 144	E

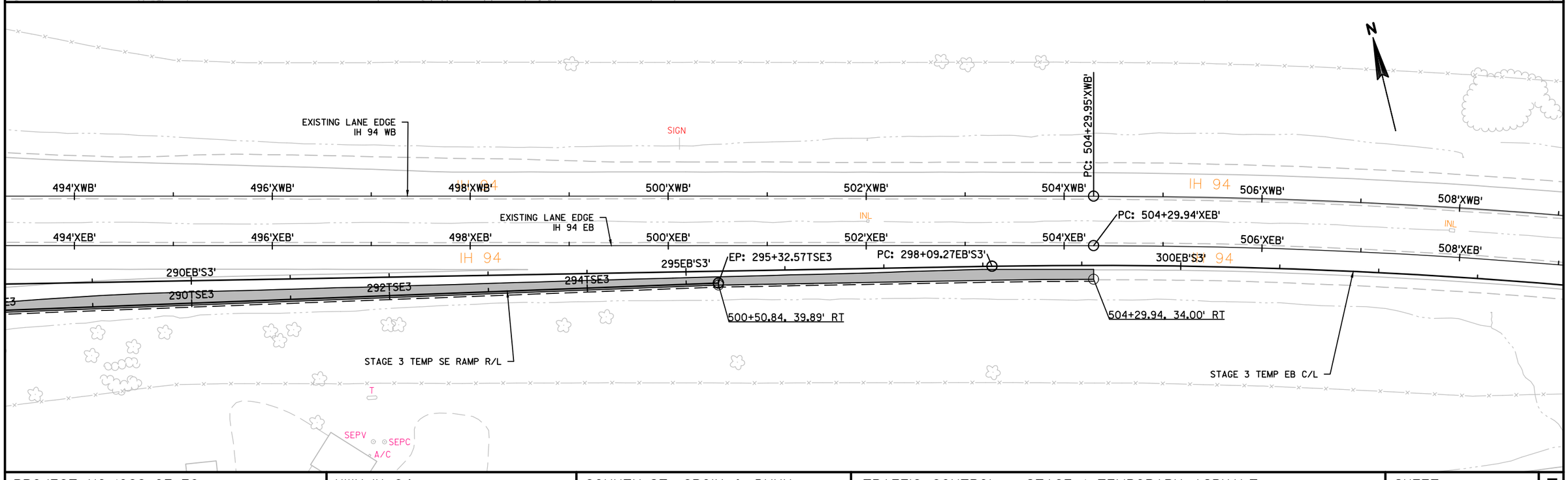




PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 1 TEMPORARY ASPHALT	SHEET 145	E

2





PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 1 TEMPORARY ASPHALT	SHEET 146	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025410_TC_STAGE1_TEMP_ASPH.DWG
LAYOUT NAME - SHEET - (5)
PLOT DATE : 8/31/2018 8:40 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

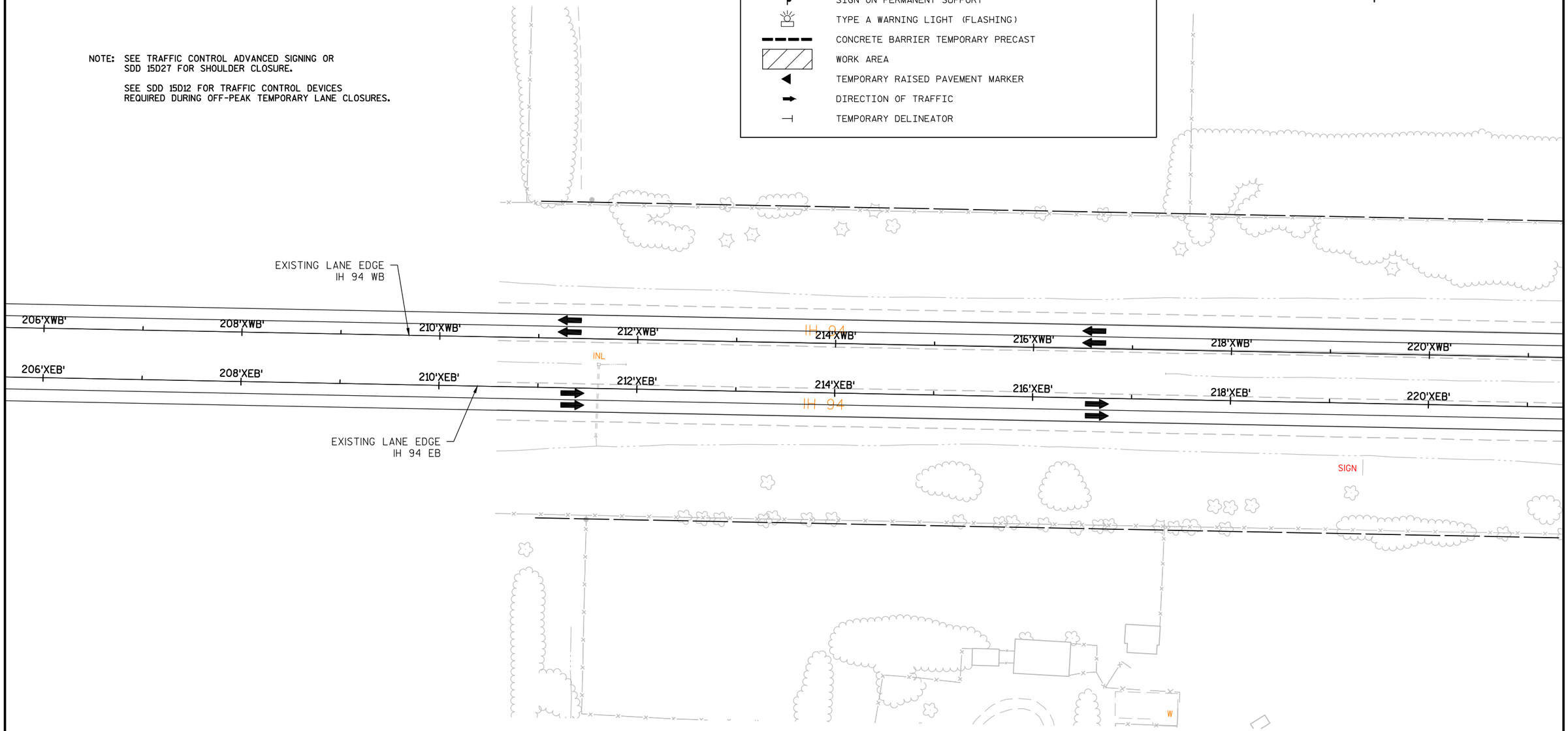
NOTE: SEE TRAFFIC CONTROL ADVANCED SIGNING OR SDD 15D27 FOR SHOULDER CLOSURE.

SEE SDD 15D12 FOR TRAFFIC CONTROL DEVICES REQUIRED DURING OFF-PEAK TEMPORARY LANE CLOSURES.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N



PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 1	SHEET 147	E

2

2

N

EXISTING LANE EDGE
IH 94 WB

222'XWB' IH 94 224'XWB' 226'XWB' 228'XWB' 230'XWB' 232'XWB' IH 94 234'XWB' 236'XWB'

INL INL INL

222'XEB' 224'XEB' 226'XEB' 228'XEB' 230'XEB' 232'XEB' 234'XEB' 236'XEB'

IH 94 IH 94

RIGHT SHOULDER CLOSED AHEAD W21-5-B

EXISTING LANE EDGE
IH 94 EB

SIGN

RIGHT SHOULDER CLOSED W21-5-A

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

EXISTING LANE EDGE
IH 94 WB

PC: 245+11.20'XWB'

PT: 248+21.13'XWB'

238'XWB' 240'XWB' IH 94 242'XWB' 244'XWB' 246'XWB' 248'XWB' 250'XWB' IH 94 252'XWB'

PC: 245+11.20'XEB'

PT: 248+21.13'XEB'

INL INL

238'XEB' 240'XEB' 242'XEB' 244'XEB' 246'XEB' 248'XEB' 250'XEB' 252'XEB'

IH 94 IH 94

EXISTING LANE EDGE
IH 94 EB

SIGN

STA BACK = 248+15.83'XEB'
STA AHEAD = 248+21.13'XEB'

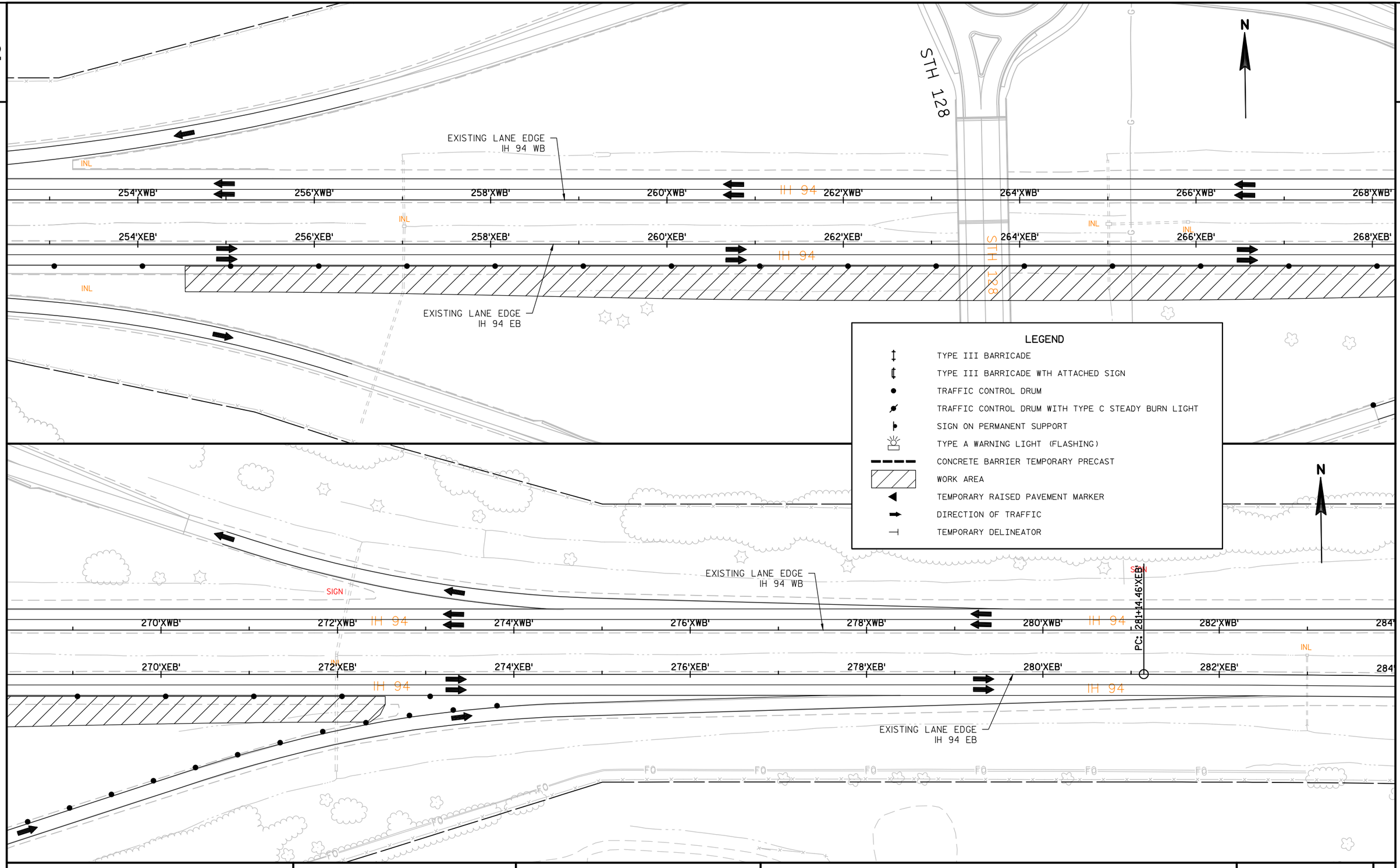
STA BACK = 248+15.17'XWB'
STA AHEAD = 248+21.13'XWB'

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 1	SHEET 148	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025411_TC_STAGE1_WEST.DWG
LAYOUT NAME - SHEET - (1)

PLOT DATE : 7/18/2018 8:26 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 1	SHEET 149	E

2

2

EXISTING LANE EDGE
IH 94 WB

410'XWB' 412'XWB' 414'XWB' 416'XWB' IH 94 418'XWB' 420'XWB' 422'XWB' 424'XWB'

INL

410'XEB' 412'XEB' 414'XEB' 416'XEB' IH 94 418'XEB' 420'XEB' 424'XEB'

EXISTING LANE EDGE
IH 94 EB

PT: 420+87.60'XWB'

PT: 422+28.48'XEB'

STA BACK = 421+97.17'XEB'
STA AHEAD = 422+28.48'XEB'

N

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

SIGN

426'XWB' IH 94 428'XWB' 430'XWB' 432'XWB' 434'XWB' IH 94 436'XWB' 438'XWB' 440

INL

426'XEB' 428'XEB' 430'XEB' 432'XEB' 434'XEB' 436'XEB' 438'XEB' 440

IH 94 IH 94

SIGN

RIGHT SHOULDER CLOSED AHEAD
W21-5-B

EXISTING LANE EDGE
IH 94 EB

INL

RIPRAP

N

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 1	SHEET 150	E

2

2

RIPRAP

SIGN

EXISTING LANE EDGE
IH 94 WB

IH 94

INL

442'XWB' 444'XWB' 446'XWB' 448'XWB' 450'XWB' 452'XWB' 454'XWB'

442'XEB' 444'XEB' 446'XEB' 448'XEB' 450'XEB' 452'XEB' 454'XEB'

EXISTING LANE EDGE
IH 94 EB

RIGHT SHOULDER CLOSED
W21-5-A

NOTE: SEE SDD 15D27 FOR SHOULDER CLOSURE OR SDD 15D12 FOR LANE CLOSURE.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

EXISTING LANE EDGE
IH 94 WB

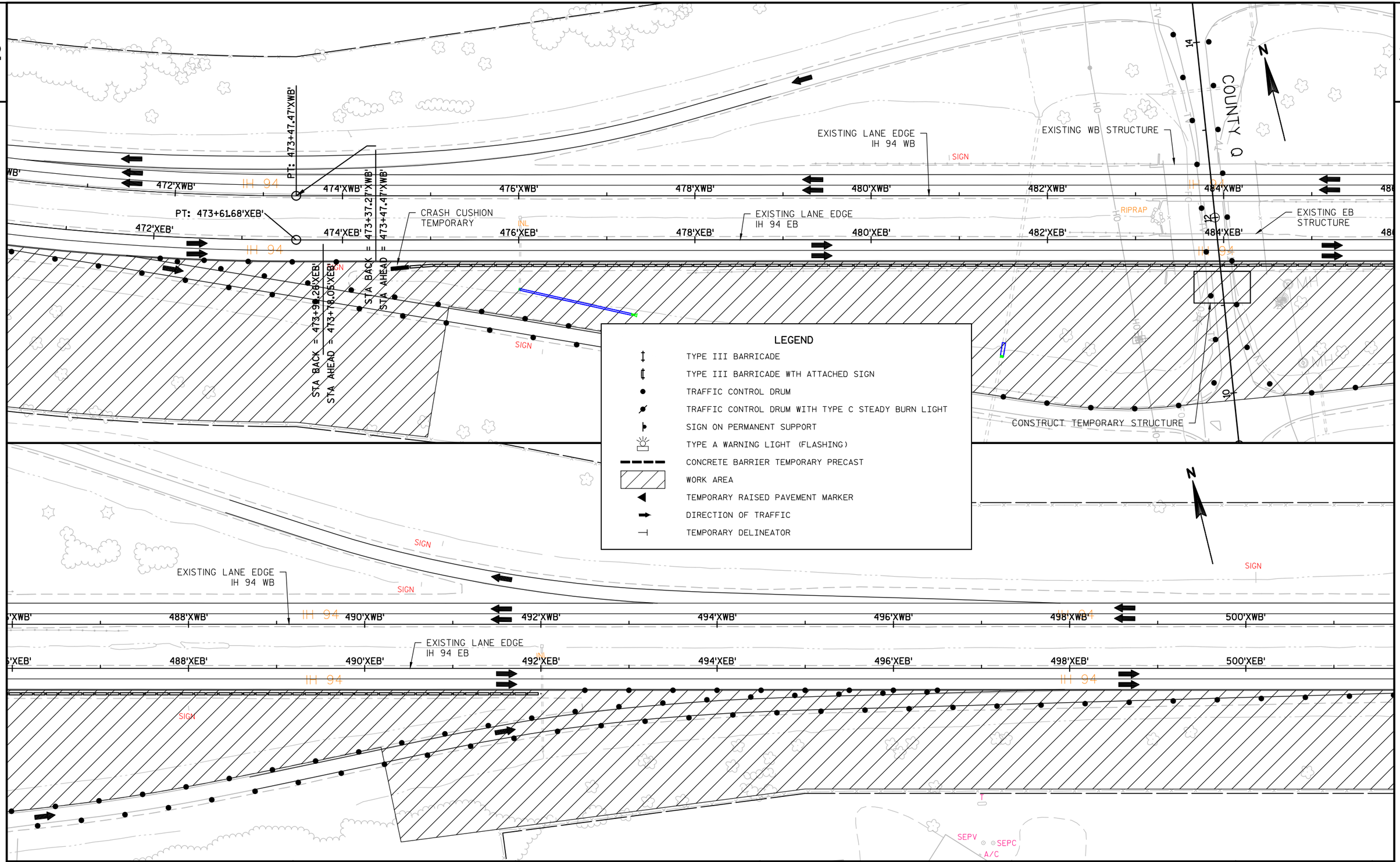
456'XWB' 458'XWB' PC: 459+68.43'XWB' 460'XWB' 462'XWB' 464'XWB' 466'XWB' 468'XWB' 470'XWB'

456'XEB' 458'XEB' PC: 459+68.43'XEB' 460'XEB' 462'XEB' 464'XEB' 466'XEB' 468'XEB' 470'XEB'

EXISTING LANE EDGE
IH 94 EB

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 1	SHEET 151	E

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 1	SHEET	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025411_TC_STAGE1_WEST.DWG
LAYOUT NAME - SHEET - (17)

PLOT DATE : 7/18/2018 8:28 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

2

N

EXISTING LANE EDGE
IH 94 WB

PC: 504+29.95'XWB'

PT: 515+61.30'XWB'

PC: 504+29.94'XEB'

PT: 515+58.52'XEB'

EXISTING LANE EDGE
IH 94 EB

STA BACK = 516+10.55'XEB'
STA AHEAD = 516+13.33'XEB'

STA BACK = 515+68.35'XWB'
STA AHEAD = 515+61.30'XWB'

IH 94

CTH Q

INL

502'XWB' 504'XWB' 506'XWB' 508'XWB' 510'XWB' 512'XWB' 514'XWB' 516'XWB'

502'XEB' 504'XEB' 506'XEB' 508'XEB' 510'XEB' 512'XEB' 514'XEB' 516'XEB'

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

EXISTING LANE EDGE
IH 94 WB

518'XWB' 520'XWB' 522'XWB' 524'XWB' 526'XWB' 528'XWB' 530'XWB' 532'XWB'

518'XEB' 520'XEB' 522'XEB' 524'XEB' 526'XEB' 528'XEB' 530'XEB' 532'XEB'

IH 94

INL

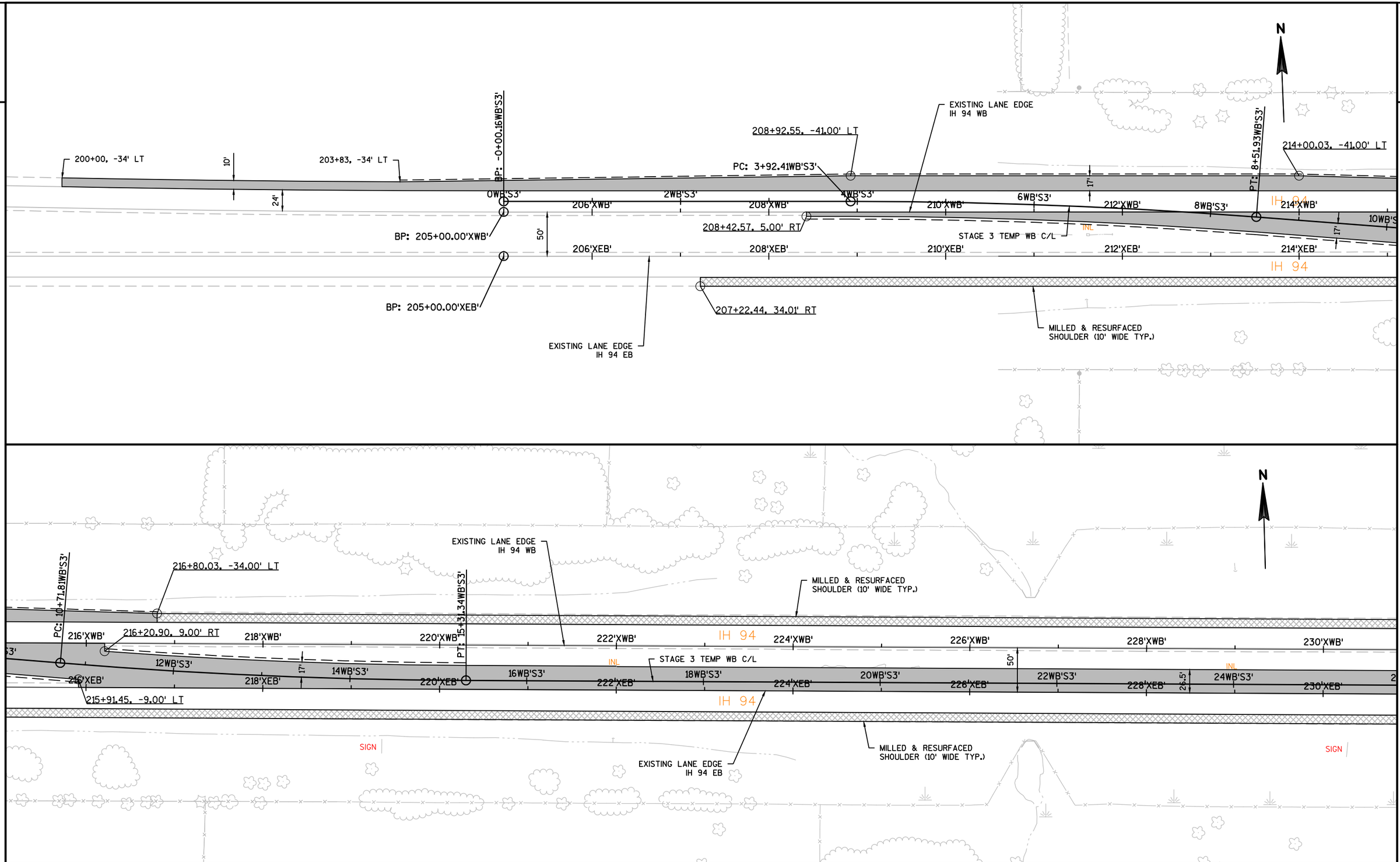
SIGN

SIGN

SIGN

EXISTING LANE EDGE
IH 94 EB

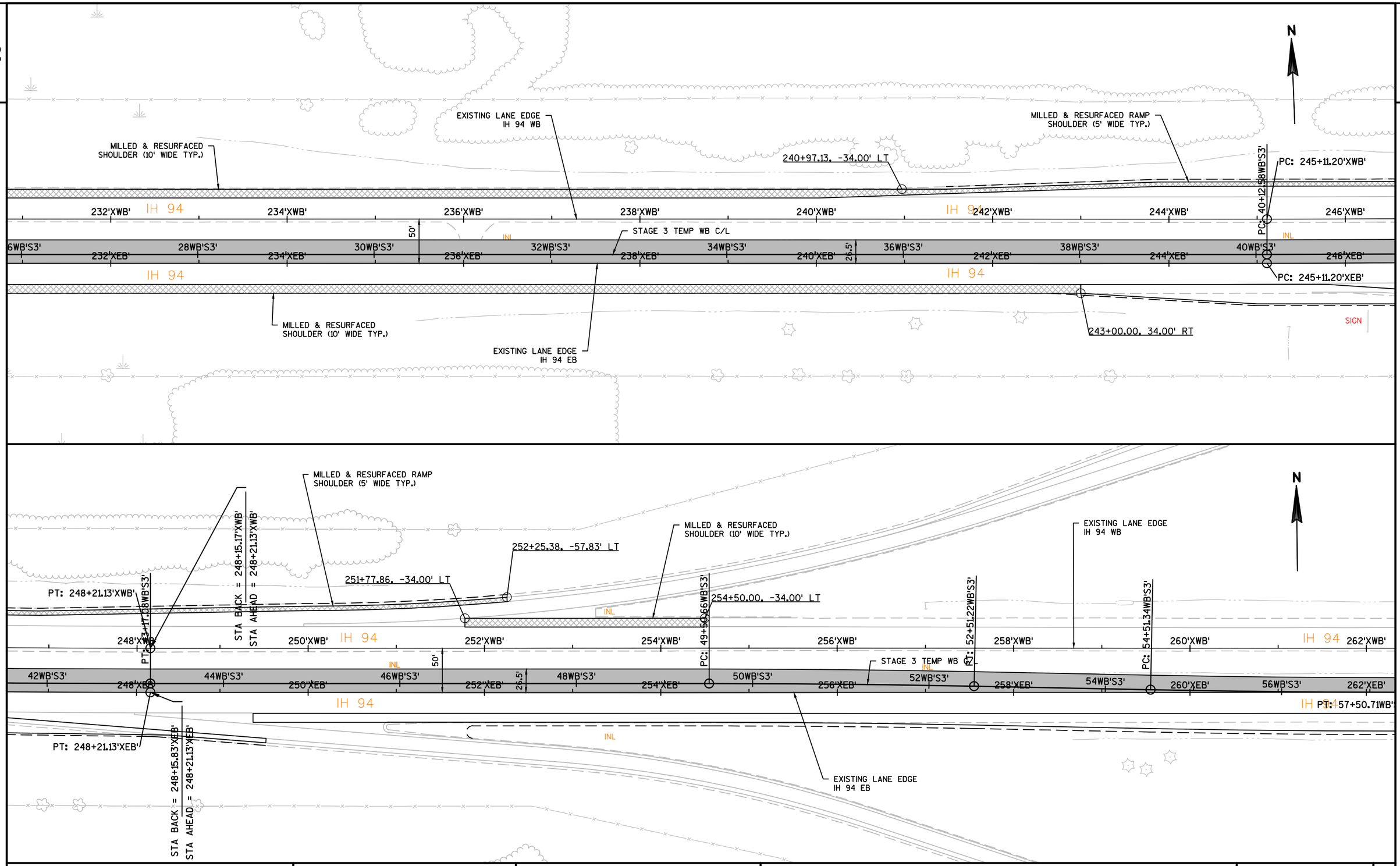
PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 1	SHEET 153	E



PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 2 TEMPORARY ASPHALT	SHEET 154	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025420_TC_STAGE2_TEMP_ASPH.DWG
LAYOUT NAME - 025420_TC_STAGE2_TEMP_ASPH - SHEET - (1)
PLOT DATE : 8/31/2018 9:38 AM
PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

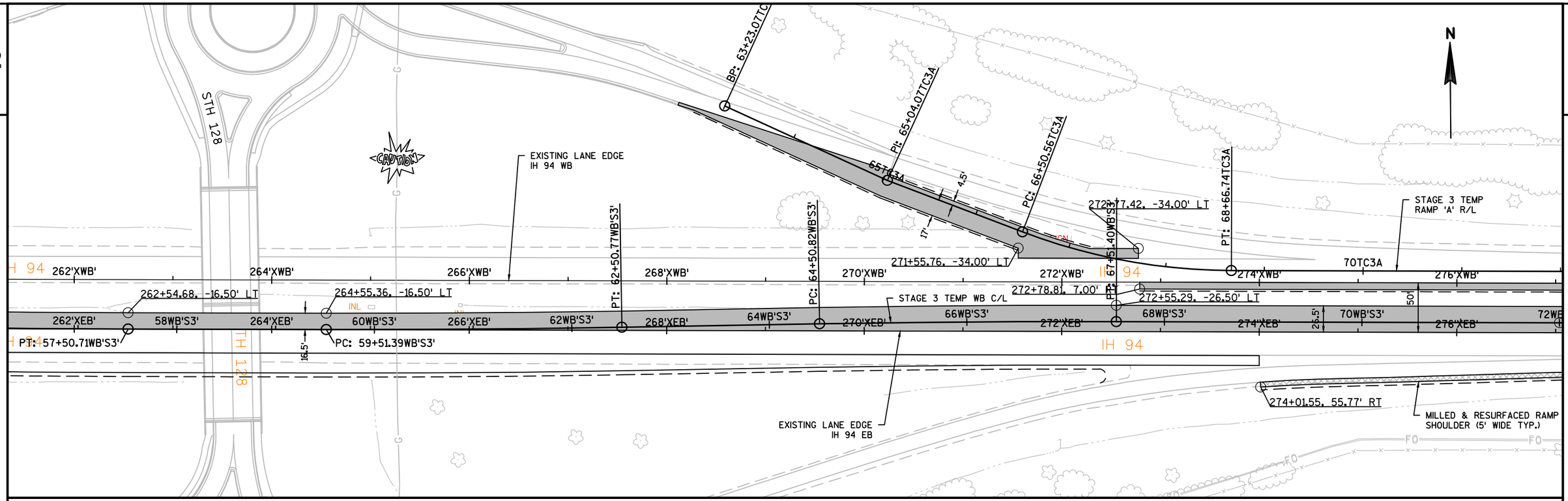
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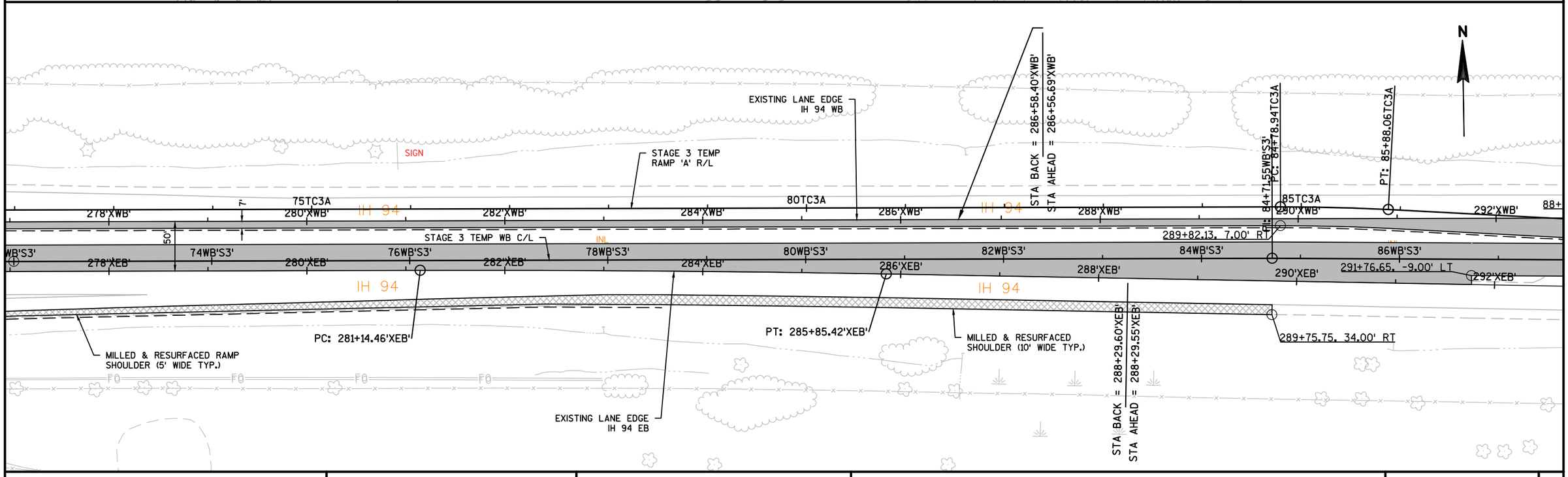


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 2 TEMPORARY ASPHALT	SHEET 155	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025420_TC_STAGE2_TEMP_ASPH.DWG
LAYOUT NAME - 025420_TC_STAGE2_TEMP_ASPH - SHEET - (2)
PLOT DATE : 8/31/2018 9:38 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2





PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 2 TEMPORARY ASPHALT	SHEET 156	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025420_TC_STAGE2_TEMP_ASPH.DWG
LAYOUT NAME - 025420_TC_STAGE2_TEMP_ASPH - SHEET - (3)
PLOT DATE : 8/31/2018 9:39 AM
PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

N

EXISTING LANE EDGE
IH 94 WB

SIGN

PI: 299+29.68'XWB'

299+61.34, -64.35' LT

STAGE 3 TEMP
RAMP 'A' R/L

PT: 85+88.06TC3A

PC: 84+78.94TC3A

84+71.55WB'S3'

85TC3A

PC: 90+89.51TC3A

PT: 91+83.91TC3A

294+48.82, 6.00' RT

90TC3A

88+50.45, -18.50' LT

19'

4.5'

IH 94

288'XWB'

290'XWB'

292'XWB'

294'XWB'

296'XWB'

298'XWB'

300'XWB'

302'XWB'

302+81.47, -56.56' LT

289+82.13, 7.00' RT

84WB'S3'

86WB'S3'

88WB'S3'

90WB'S3'

92WB'S3'

94WB'S3'

96WB'S3'

98WB'S3'

EP: 94+58.31TC3A

288'XEB'

290'XEB'

291+76.65, -9.00' LT

292'XEB'

294'XEB'

296'XEB'

298'XEB'

300'XEB'

302'XEB'

IH 94

STA BACK = 288+29.60'XEB'

STA AHEAD = 288+29.55'XEB'

289+75.75, 34.00' RT

STAGE 3 TEMP WB C/L

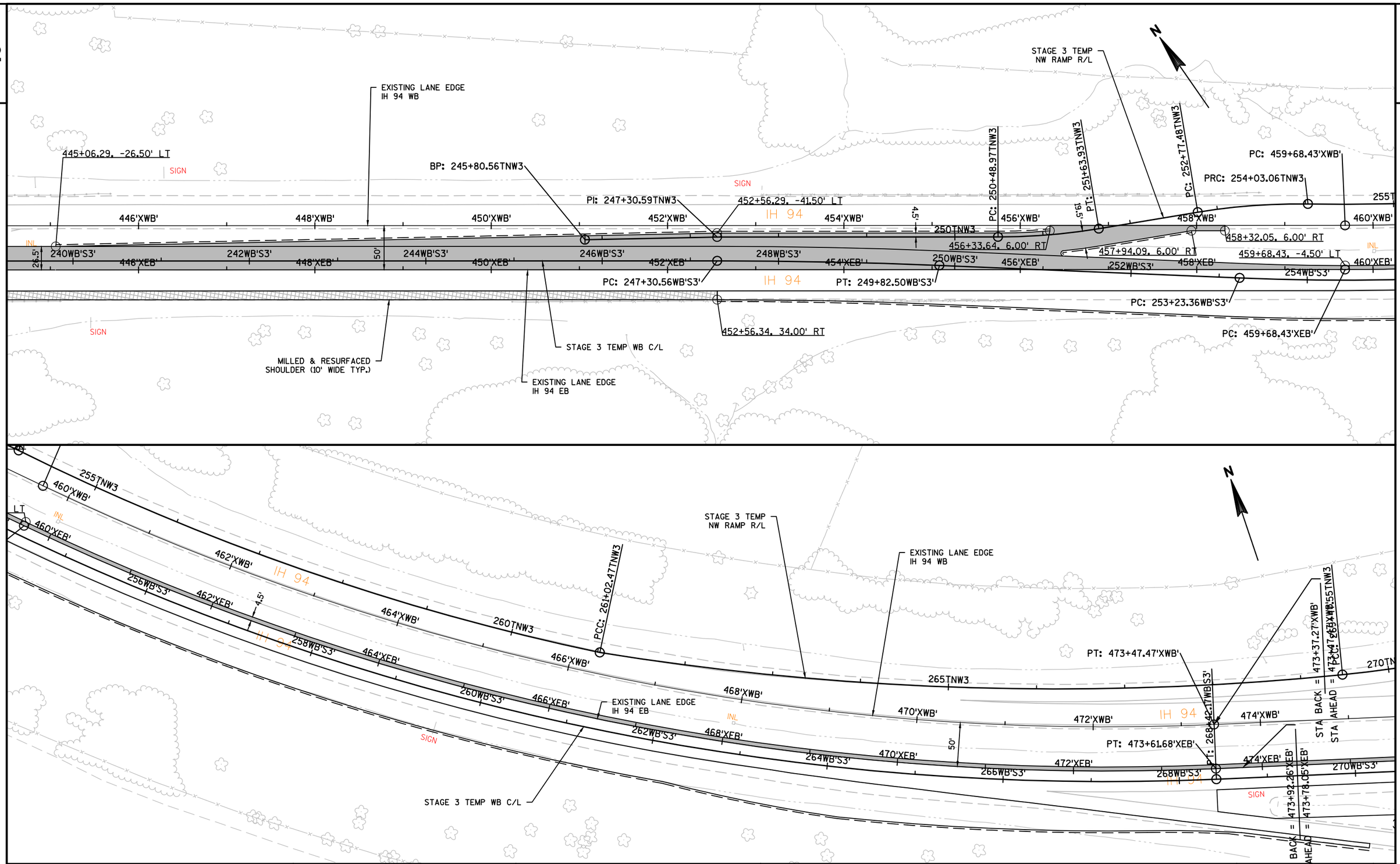
SIGN

MILLED & RESURFACED
SHOULDER (10' WIDE TYP.)

EXISTING LANE EDGE
IH 94 EB

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 2 TEMPORARY ASPHALT	SHEET 157	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025420_TC_STAGE2_TEMP_ASPH.DWG
LAYOUT NAME - 025420_TC_STAGE2_TEMP_ASPH - SHEET - (4)
PLOT DATE : 8/31/2018 9:39 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 2 TEMPORARY ASPHALT	SHEET 158	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025420_TC_STAGE2_TEMP_ASPH.DWG
LAYOUT NAME - 025420_TC_STAGE2_TEMP_ASPH - SHEET - (5)
PLOT DATE : 8/31/2018 9:39 AM
PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

STAGE 3 TEMP
NW RAMP R/L

PT: 272+37.63TNW3

EP: 273+08.46TNW3

270TNW3

EXISTING LANE EDGE
IH 94 WB

SIGN

476'XWB' 478'XWB' 480'XWB' 482'XWB' 484'XWB' 486'XWB' 488'XWB' 490'XWB'

INL

EXISTING LANE EDGE
IH 94 EB

476'XEB' 478'XEB' 480'XEB' 482'XEB' 484'XEB' 486'XEB' 488'XEB' 490'XEB'

0WB'S3' 272WB'S3' 274WB'S3' 276WB'S3' 278WB'S3' 280WB'S3' 282WB'S3' 284WB'S3'

4.5'

50'

PC: 276+82.46WB'S3'

PC: 280+52.46WB'S3'

RIPRAP

EXISTING WB STRUCTURE
B-17-019

EXISTING EB STRUCTURE
B-17-018

485+96.66, -4.50' LT

IH 94

COUNTY Q

STAGE 3 TEMP WB C/L

TEMPORARY STRUCTURE

MH

SIGN

N

BP: 283+42.34

PC: 284+15.68TNE3

285TNE3

STAGE 3 TEMP
NE RAMP R/L

EXISTING LANE EDGE
IH 94 WB

PT: 287+94.13TNE3

STAGE 3 TEMP
NE RAMP R/L

PC: 290+63.51TNE3

496+44.73, 6.00' RT

PT: 291+60.81TNE3

PC: 292+06.14TNE3

497+58.19, 6.00' RT

PT: 293+98.26TNE3

501+04.94, -34.96' LT

503+59.48, -26.07'

PC: 504+29.95'XWB'

EP: 296+00.00TNE3

290TNE3

295TNE3

19.5'

4.5'

492'XWB' 494'XWB' 496'XWB' 498'XWB' 500'XWB' 502'XWB' 504'XWB' 506'XWB'

EXISTING LANE EDGE
IH 94 EB

496+07.97, 6.00' RT

PC: 298+54.41WB'S3'

286WB'S3' 288WB'S3' 290WB'S3' 292WB'S3' 294WB'S3' 296WB'S3' 298WB'S3' 300WB'S3'

492'XEB' 494'XEB' 496'XEB' 498'XEB' 500'XEB' 502'XEB' 504'XEB' 506'XEB'

26.5'

50'

PC: 504+29.94'XEB'

504+29.94, 34.00' RT

STAGE 3 TEMP WB C/L

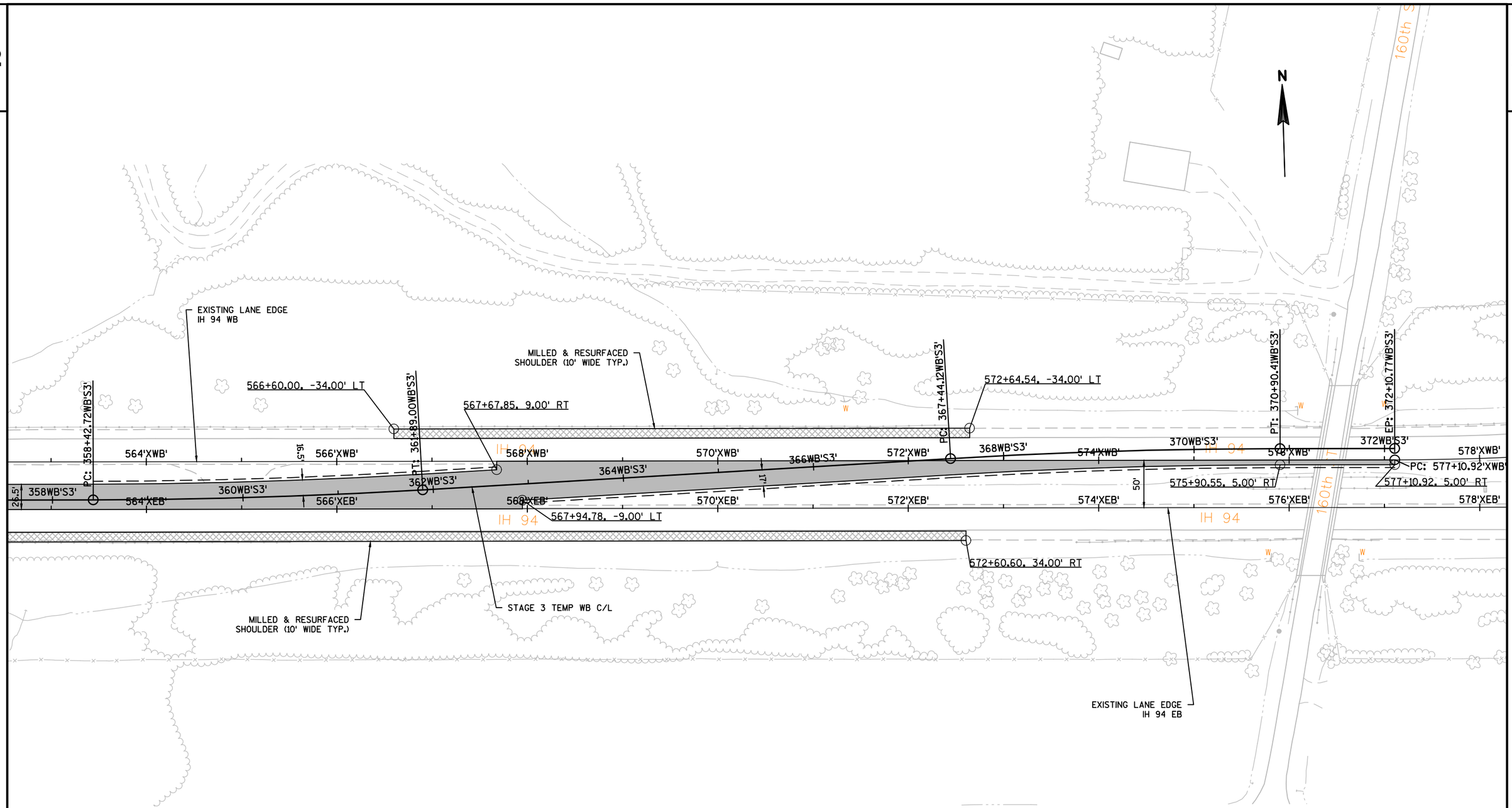
MILLED & RESURFACED
SHOULDER (10' WIDE TYP.)

IH 94

SEPV

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 2 TEMPORARY ASPHALT	SHEET 159	E

2



PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 2 TEMPORARY ASPHALT	SHEET 160	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025420_TC_STAGE2_TEMP_ASPH.DWG
LAYOUT NAME - 025420_TC_STAGE2_TEMP_ASPH - SHEET - (7)
PLOT DATE : 8/31/2018 9:40 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 44

NOTE: SEE TRAFFIC CONTROL ADVANCED SIGNING OR SDD 15D27 FOR SHOULDER CLOSURE.

SEE SDD 15D12 FOR TRAFFIC CONTROL DEVICES REQUIRED DURING OFF-PEAK TEMPORARY LANE CLOSURES.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

EXIST. LANE EDGE IH 94 WB

206'XWB' 208'XWB' 210'XWB' 212'XWB' 214'XWB' 216'XWB' 218'XWB' 220'XWB'

IH 94

INL

EXISTING C/L IH 94 EB LANES

STA. 207'XEB'+22.28

2EB'S2' 4EB'S2' 6EB'S2' 8EB'S2' 10EB'S2' 12EB'S2' 14EB'S2' 16EB'S2'

LEFT SHOULDER CLOSED W21-5-AL

BEGIN TAPER PI: 2+22.28EB'S2'

RIGHT SHOULDER CLOSED W21-5-A

CRASH CUSHION TEMPORARY

END TAPER PI: 10+22.32EB'S2'

C/L TEMPORARY EB LANES

SIGN

W01-4BR

TWO W01-4BR SIGNS REQ'D. STA. 197'XEB'+00

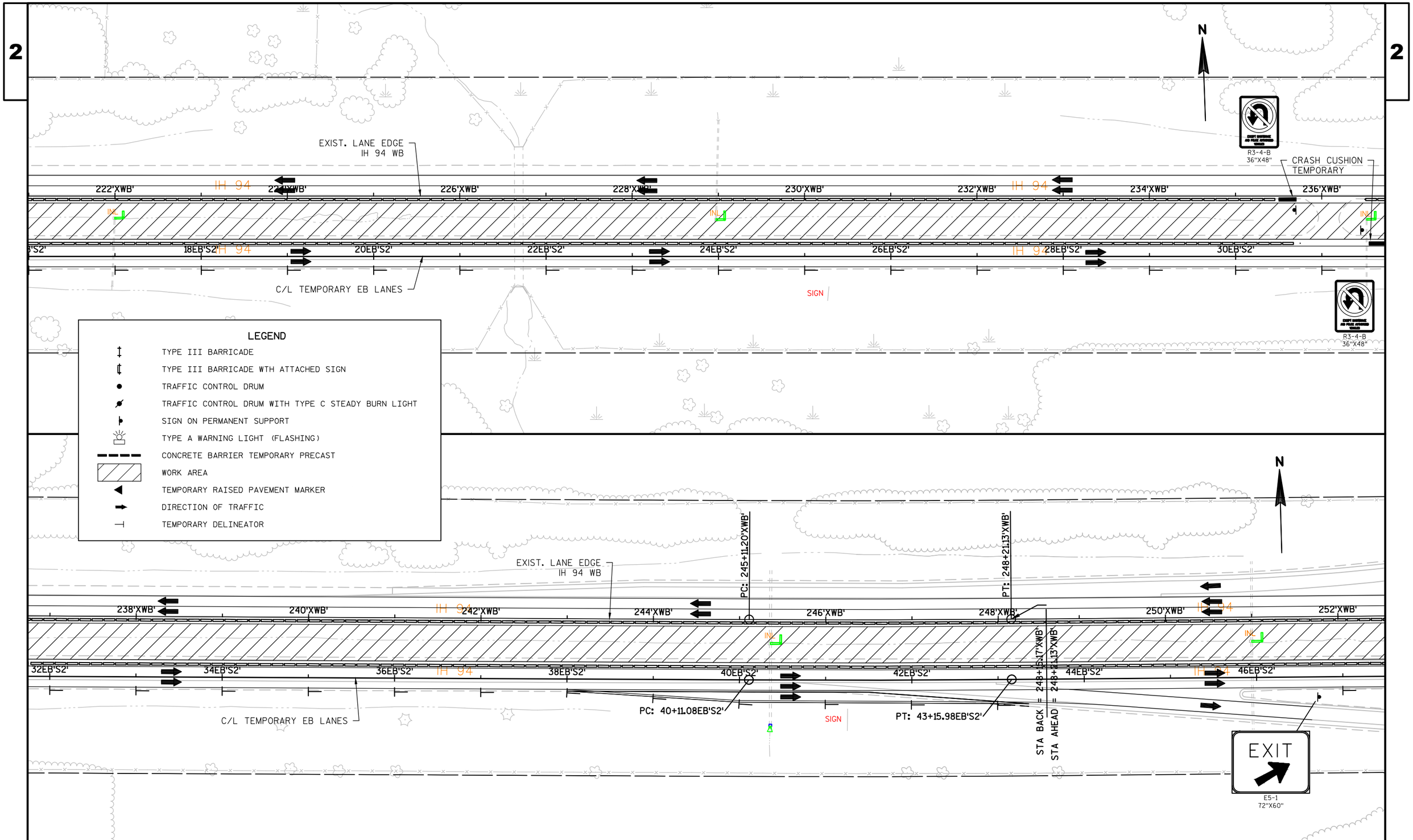
LEFT SHOULDER CLOSED AHEAD W21-5-BL

RIGHT SHOULDER CLOSED AHEAD W21-5-B

STA. 187'XEB'+00

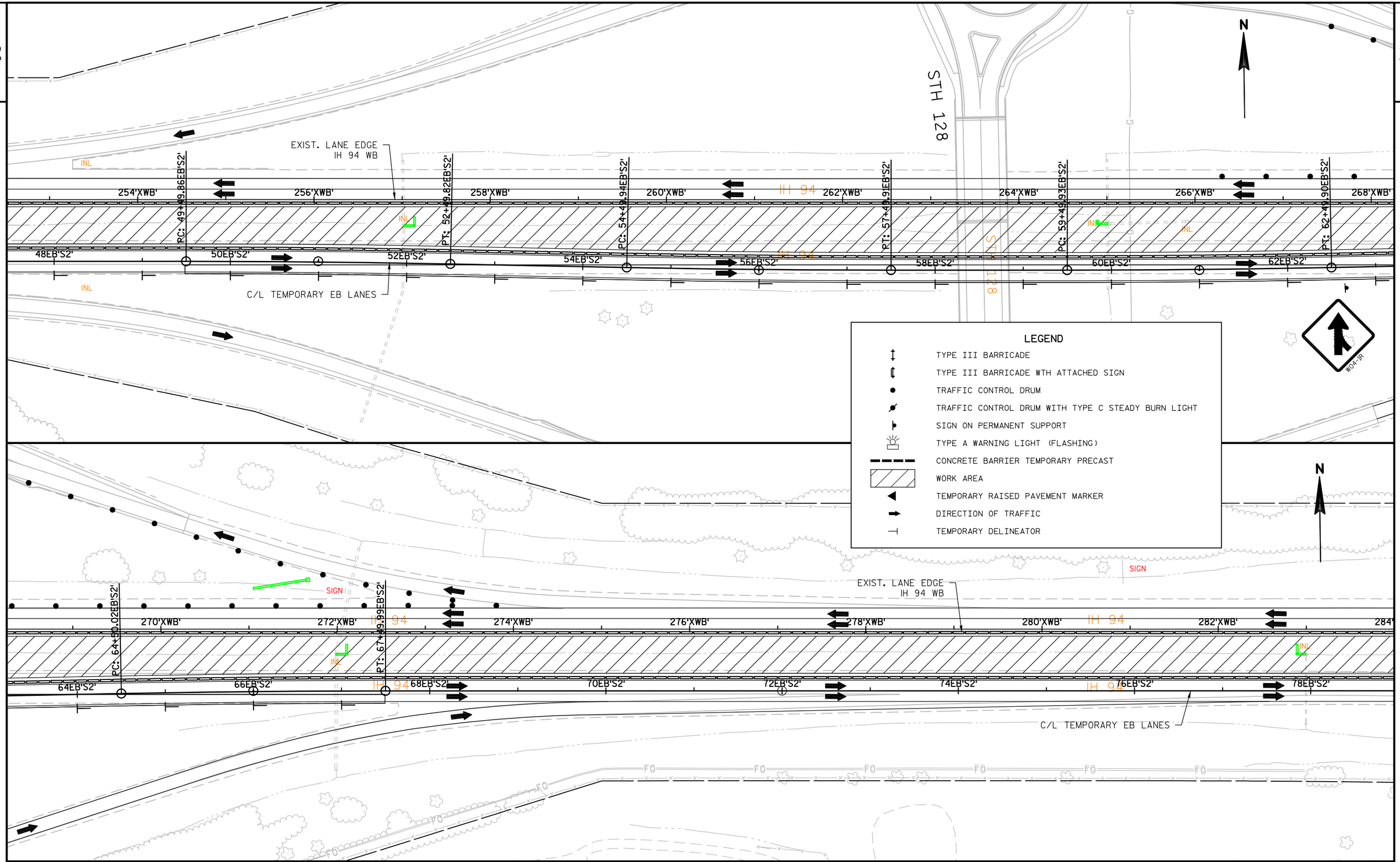
W

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 2G	SHEET 161	E



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 2G	SHEET 162	E

2



PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 2G	SHEET	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025421_TC_STAGE2G_WEST.DWG
LAYOUT NAME - SHEET - (3)

PLOT DATE : 8/7/2018 10:10 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

2

2

N

EXIST. LANE EDGE
IH 94 WB

PC: 79+38.08EB'S2'

STA BACK = 286+58.40'XWB'

STA AHEAD = 286+56.69'XWB'

PT: 84+70.48EB'S2'

R3-4-B
36"X48"

CRASH CUSHION
TEMPORARY

SIGN

PT: 299+29.68'XWB'

'XWB'
286'XWB'
288'XWB'
290'XWB'
292'XWB'
294'XWB'
296'XWB'
298'XWB'

IH 94

INL

80EB'S2'
82EB'S2'
84EB'S2'
86EB'S2'
88EB'S2'
90EB'S2'
92EB'S2'
94EB'S2'

C/L TEMPORARY
EB LANES

EXISTING C/L
IH 94 EB LANES

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

EXIST. LANE EDGE
IH 94 WB

SIGN

300'XWB'
302'XWB'
304'XWB'
306'XWB'
308'XWB'
310'XWB'
312'XWB'
314'XWB'

PC: 102+90.63EB'S2'

PT: 106+71.32EB'S2'

96EB'S2'
98EB'S2'
100EB'S2'
102EB'S2'
104EB'S2'
106EB'S2'
108EB'S2'
110EB'S2'

EXISTING C/L
IH 94 EB LANES

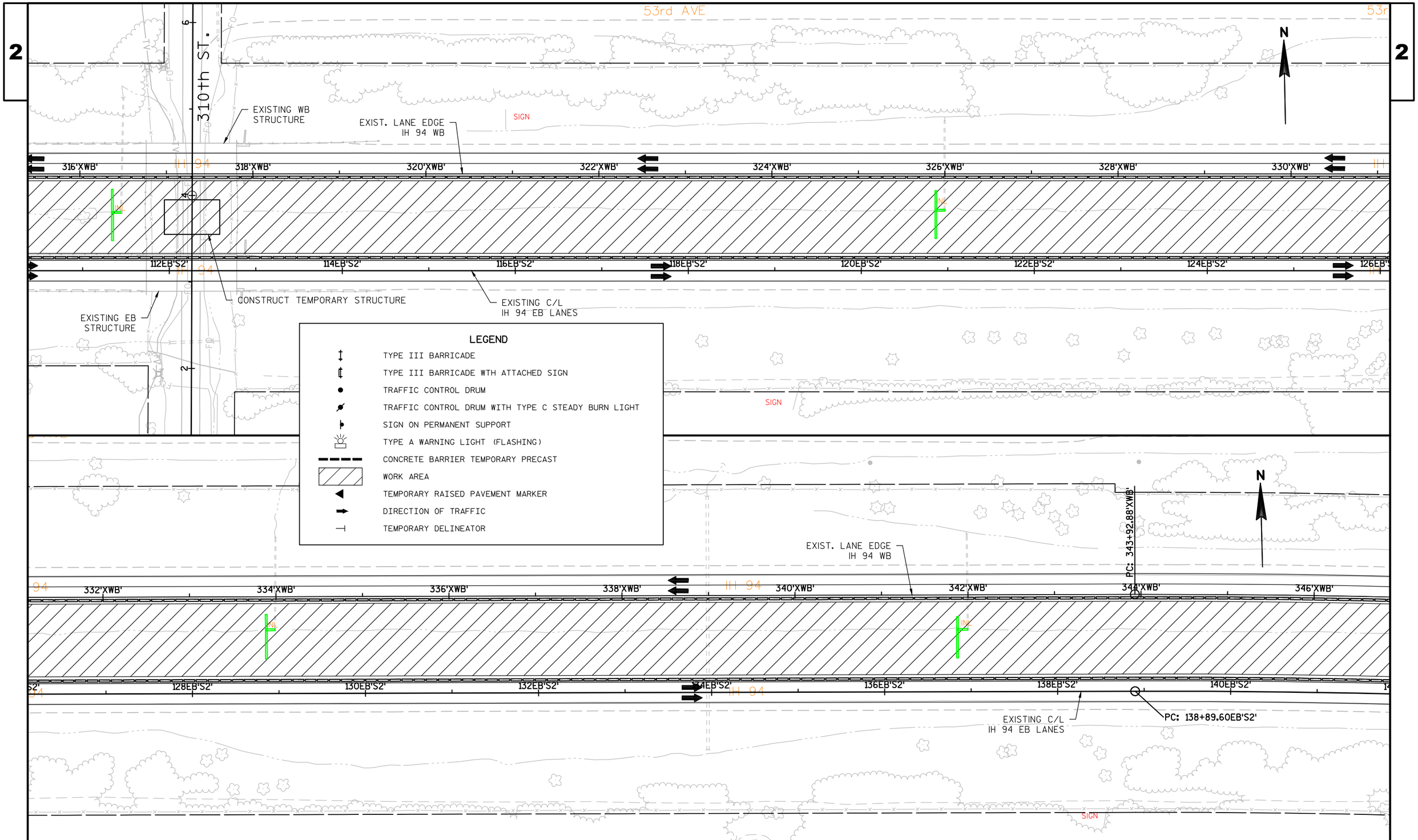
SIGN

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 2G	SHEET 164 E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025421_TC_STAGE2G_WEST.DWG
LAYOUT NAME - SHEET - (5)

PLOT DATE : 8/7/2018 10:10 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 2G	SHEET 165	E

2

53rd AVE

53rd AVE

N

EXIST. LANE EDGE
IH 94 WB

IH 94

348'XWB' 350'XWB' 352'XWB' 354'XWB' 356'XWB' 358'XWB' 360'XWB' 362'XWB'

INL

INL

142EB'S2' 144EB'S2' 146EB'S2' 148EB'S2' 150EB'S2' 152EB'S2' 154EB'S2' 156EB'S2'

EXISTING C/L
IH 94 EB LANES

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

PT: 365+53.63'XWB'

STA BACK = 365+63.38'XWB'

STA AHEAD = 365+53.63'XWB'

N

EXIST. LANE EDGE
IH 94 WB

IH 94

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

INL

INL

158EB'S2' 160EB'S2' 162EB'S2' 164EB'S2' 166EB'S2' 168EB'S2' 170EB'S2' 172EB'S2'

PT: 160+39.09EB'S2'

EXISTING C/L
IH 94 EB LANES

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 2G	SHEET 166	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025421_TC_STAGE2G_WEST.DWG
LAYOUT NAME - SHEET - (9)

PLOT DATE : 8/7/2018 10:11 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

SIGN

EXIST. LANE EDGE
IH 94 WB

EXISTING C/L
IH 94 EB LANES

RIGHT SHOULDER CLOSED AHEAD
W21-5-B

8'XWB' 380'XWB' 382'XWB' 384'XWB' 386'XWB' 388'XWB' 390'XWB' 392'XWB'

174EB'S2' 176EB'S2' 178EB'S2' 180EB'S2' 182EB'S2' 184EB'S2' 186EB'S2' 188EB'S2'

IH 94

INL

EXISTING WB
STRUCTURE

50th AVE.

RIPRAP

CONSTRUCT TEMPORARY STRUCTURE

EXISTING EB
STRUCTURE

PT: 8+65.81

8 CARSEMAN DR

N

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

SIGN

PC: 397+44.76'XWB'

394'XWB' 396'XWB' 398'XWB' 400'XWB' 402'XWB' 404'XWB' 406'XWB' 408'XWB'

EXIST. LANE EDGE
IH 94 WB

190EB'S2' 192EB'S2' 194EB'S2' 196EB'S2' 198EB'S2' 200EB'S2' 202EB'S2' 204EB

PC: 192+63.69EB'S2'

EXISTING C/L
IH 94 EB LANES

C/L TEMPORARY EB LANES

RIGHT SHOULDER CLOSED
W21-5-A

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 2G	SHEET 167	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025421_TC_STAGE2G_WEST.DWG
LAYOUT NAME - SHEET - (11)

PLOT DATE : 8/7/2018 10:12 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

EXIST. LANE EDGE
IH 94 WB

410'XWB' 412'XWB' 414'XWB' 416'XWB' 418'XWB' 420'XWB' 422'XWB' 424'XWB'

IH 94

PT: 420+87.60'XWB'

204EB'S2' 206EB'S2' 208EB'S2' 210EB'S2' 212EB'S2' 214EB'S2' 216EB'S2' 218EB'S2'

PCC: 207+05.50EB'S2'

C/L TEMPORARY EB LANES

PT: 216+75.08EB'S2'

TEMPORARY EMERGENCY
PULLOUT REQ'D.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

R3-4-B
36"X48"

SIGN

CRASH CUSHION
TEMPORARY

EXIST. LANE EDGE
IH 94 WB

426'XWB' 428'XWB' 430'XWB' 432'XWB' 434'XWB' 436'XWB' 438'XWB' 440

IH 94

220EB'S2' 222EB'S2' 224EB'S2' 226EB'S2' 228EB'S2' 230EB'S2' 232EB'S2' 234EB'S2'

SIGN

R3-4-B
36"X48"

C/L TEMPORARY EB LANES

RIPRAP

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 2G	SHEET 168 E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025421_TC_STAGE2G_WEST.DWG
LAYOUT NAME - SHEET - (13)

PLOT DATE : 8/7/2018 10:12 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

EXIST. LANE EDGE
IH 94 WB

RIPRAP

R3-4-B
36"X48"

CRASH CUSHION
TEMPORARY

SIGN

IH 94

442'XWB'
444'XWB'
446'XWB'
448'XWB'
450'XWB'
452'XWB'
454'XWB'

INL

236EB'S2'
238EB'S2'
240EB'S2'
242EB'S2'
244EB'S2'
246EB'S2'
248EB'S2'
250EB'S2'

PC: 247+02.93EB'S2'

PT: 249+53.62EB'S2'

C/L TEMPORARY EB LANES

W01-4DR

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

456'XWB'
458'XWB'
460'XWB'
462'XWB'
464'XWB'
466'XWB'
468'XWB'
470'XWB'

PC: 459+68.43'XWB'

252EB'S2'
254EB'S2'
256EB'S2'
258EB'S2'
260EB'S2'
262EB'S2'
264EB'S2'

PC: 252+94.49EB'S2'

EXIST. LANE EDGE
IH 94 WB

C/L TEMPORARY EB LANES

EXIT 32
Q
Knapp

SIGN FIXED MESSAGE

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 2G	SHEET 169	E

2

2

EXIST. LANE EDGE
IH 94 WB

EXISTING WB
STRUCTURE

COUNTY Q

SIGN

RIPRAP

W05-52L
18"X54"

W05-52R
18"X54"

W04-3R

IH 94

472'XWB'
474'XWB'
476'XWB'
478'XWB'
480'XWB'
482'XWB'
484'XWB'

PT: 473+47.47'XWB'

STA BACK = 475+47.27'XWB'
STA AHEAD = 475+47.47'XWB'

266EB'S2'
268EB'S2'
270EB'S2'
272EB'S2'
274EB'S2'
276EB'S2'
278EB'S2'
280EB'S2'

PT: 267+95.77EB'S2'

PI: 276+78.55EB'S2'

C/L TEMPORARY EB LANES

CRASH CUSHION
TEMPORARY

EXIT
E5-1
72"X60"

TEMPORARY STRUCTURE
CONSTRUCTED IN STAGE 1

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

EXIST. LANE EDGE
IH 94 WB

'XWB'
488'XWB'
490'XWB'
492'XWB'
494'XWB'
496'XWB'
498'XWB'
500'XWB'

282EB'S2'
284EB'S2'
286EB'S2'
288EB'S2'
290EB'S2'
292EB'S2'
294EB'S2'
296EB'S2'

PI: 280+78.55EB'S2'

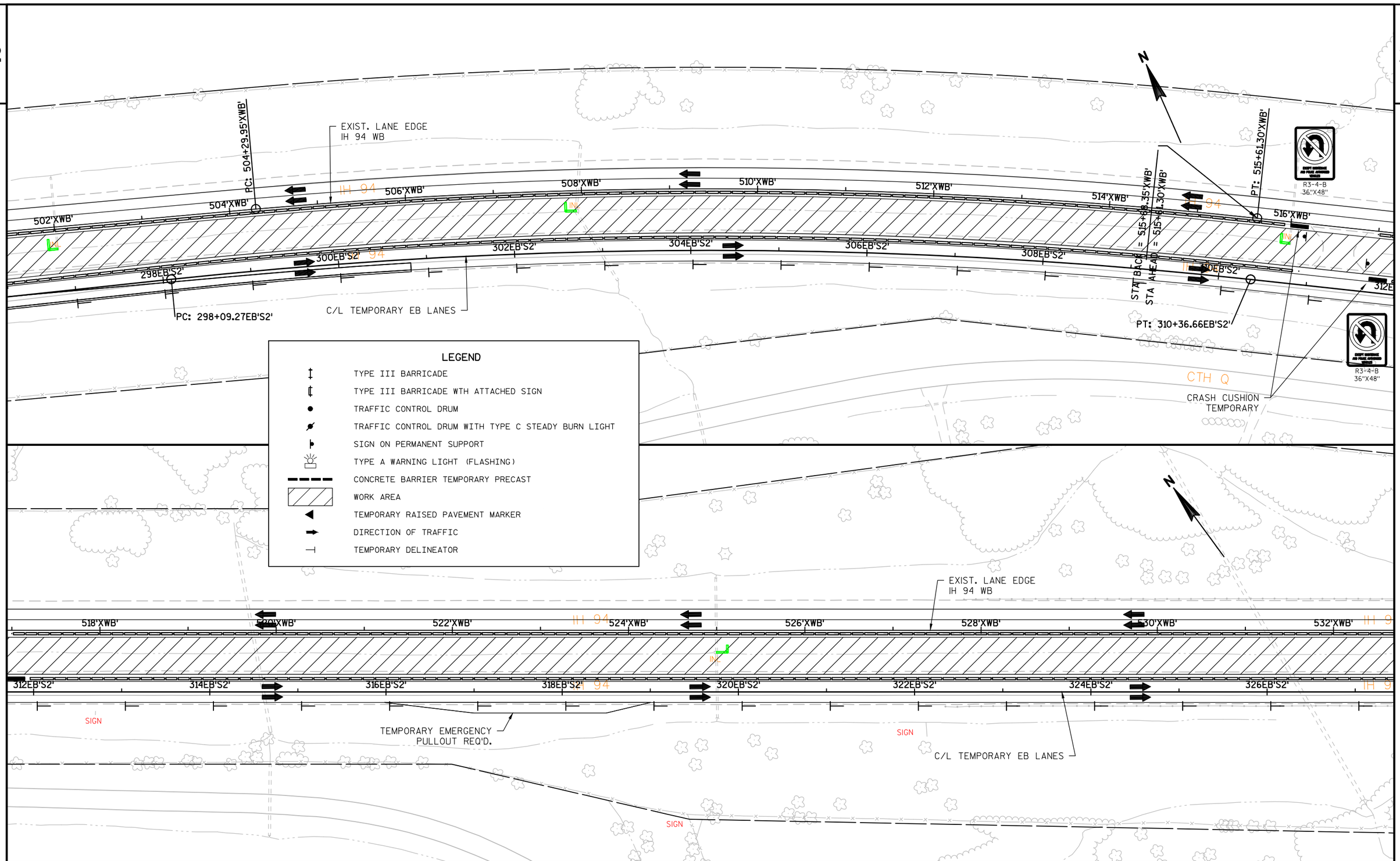
C/L TEMPORARY EB LANES

SEPV
SEPC
A/C

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 2G	SHEET	E

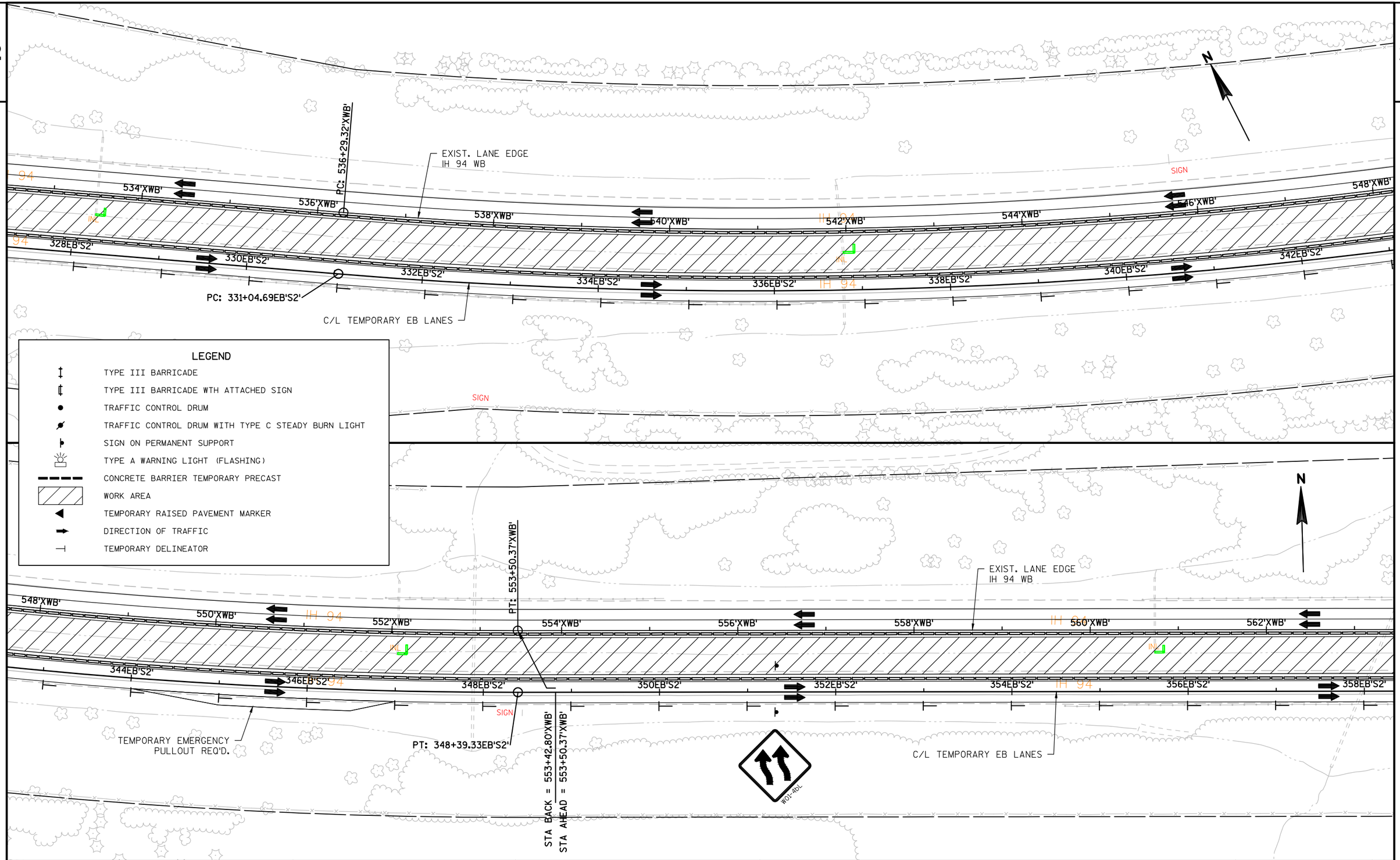
FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025421_TC_STAGE2G_WEST.DWG
LAYOUT NAME - SHEET - (17)
PLOT DATE : 8/7/2018 10:13 AM
PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2



PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 2G	SHEET 171	E

2



PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 2G	SHEET 172	E

2

N

160th ST.

R3-4-B
36"X48"

CRASH CUSHION
TEMPORARY

EXIST. LANE EDGE
IH 94 WB

564'XWB'
566'XWB'
568'XWB'
570'XWB'
572'XWB'
574'XWB'
576'XWB'
578'XWB'

IH 94

PC: 577+10.92'XWB'

360EB'S2'
362EB'S2'
364EB'S2'
366EB'S2'
368EB'S2'
370EB'S2'
372EB'S2'

BEGIN TAPER
PI: 361+49.41EB'S2'

C/L TEMPORARY EB LANES

END TAPER
PI: 367+49.46EB'S2'

EXISTING C/L
IH 94 EB LANES

EP: 373+53.67EB'S2'

R3-4-B
36"X48"

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

580'XWB'
582'XWB'
584'XWB'
586'XWB'
588'XWB'
590'XWB'
592'XWB'
594'XWB'

IH 94

CRASH CUSHION
TEMPORARY

EXIST. LANE EDGE
IH 94 WB

PT: 590+69.75'XWB'

STA BACK = 590+72.74'XWB'
STA AHEAD = 590+73.57'XWB'

TWO W21-5-BL
SIGNS REQ'D.
STA. 597'XWB'+00

LEFT
SHOULDER
CLOSED
AHEAD
W21-5-BL

LEFT
SHOULDER
CLOSED
W21-5-AL

NOTE: SEE TRAFFIC CONTROL ADVANCED SIGNING OR SDD 15D27 FOR SHOULDER CLOSURE.

SEE SDD 15D12 FOR TRAFFIC CONTROL DEVICES REQUIRED DURING OFF-PEAK TEMPORARY LANE CLOSURES.

EXISTING C/L
IH 94 EB LANES

IH 94

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 2G	SHEET 173	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025421_TC_STAGE2G_WEST.DWG
LAYOUT NAME - SHEET - (23)
PLOT DATE : 8/7/2018 10:14 AM
PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

2

N

BP: 267+43.73'C'

268'C'

270+21.41, -5.00' LT

270'C'

PC: 270+45.40'C'

PROPOSED R/L RAMP 'C'

5'

272'C'

PROPOSED R/L
IH 94 WB

SIGN

274+10.00, -8.00' LT

274'C'

274+10.00, -5.00' LT

PT: 275+45.39'C'

8'

36'

279+45.50, -44.00' LT

5'

279+45.51, -41.00' LT

SIGN

280+91.35, -34.00' LT

268WB 270WB 272WB IH 94 274WB 276WB 278WB 280WB IH 94 282WB

55'

INL

268'XEB' 270'XEB' 272'XEB' IH 94 274'XEB' 276'XEB' 278'XEB' 280'XEB' IH 94 282'XEB'

EXISTING LANE EDGE
IH 94 EB

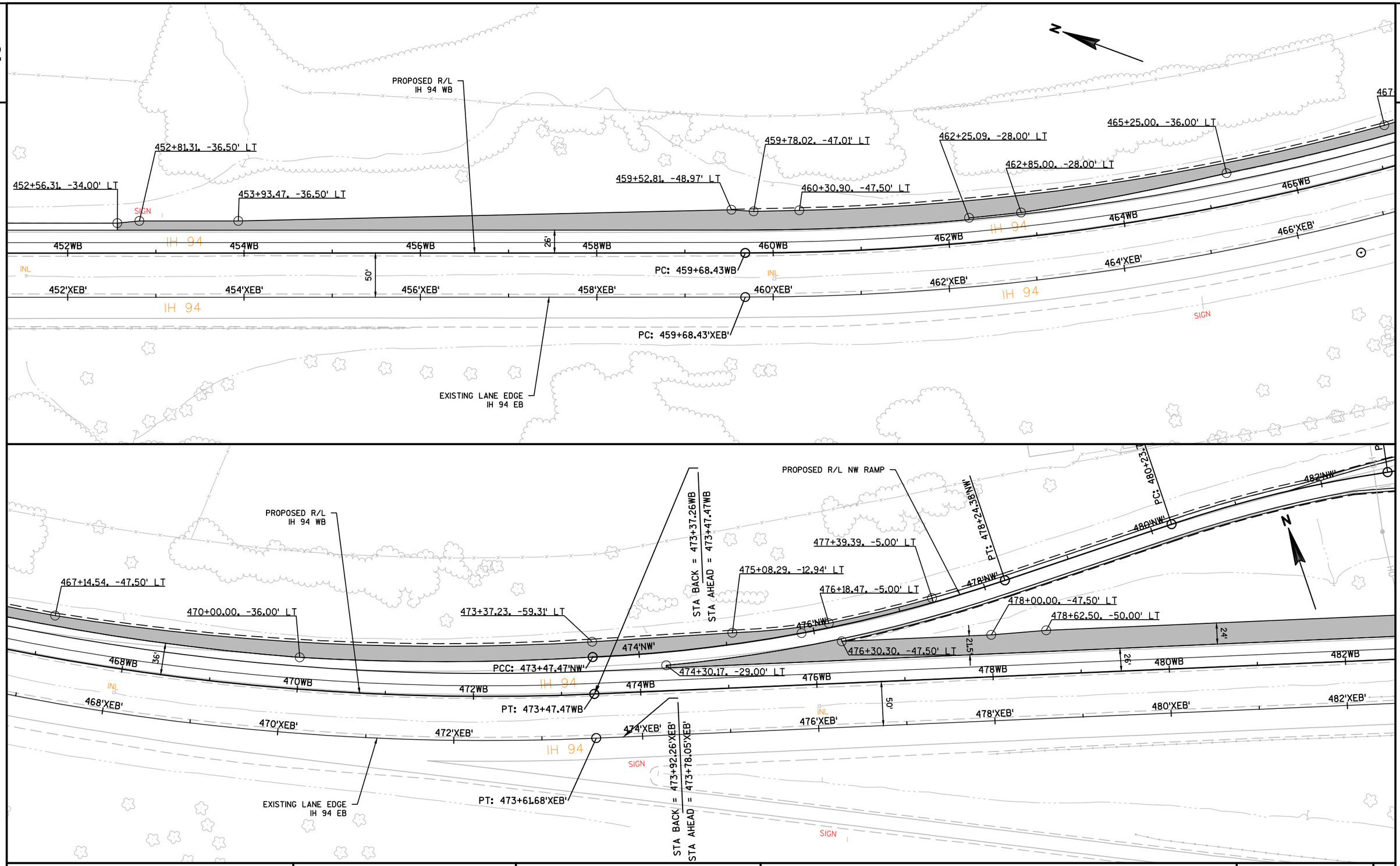
PC: 281+14.46'XEB'

FO

T

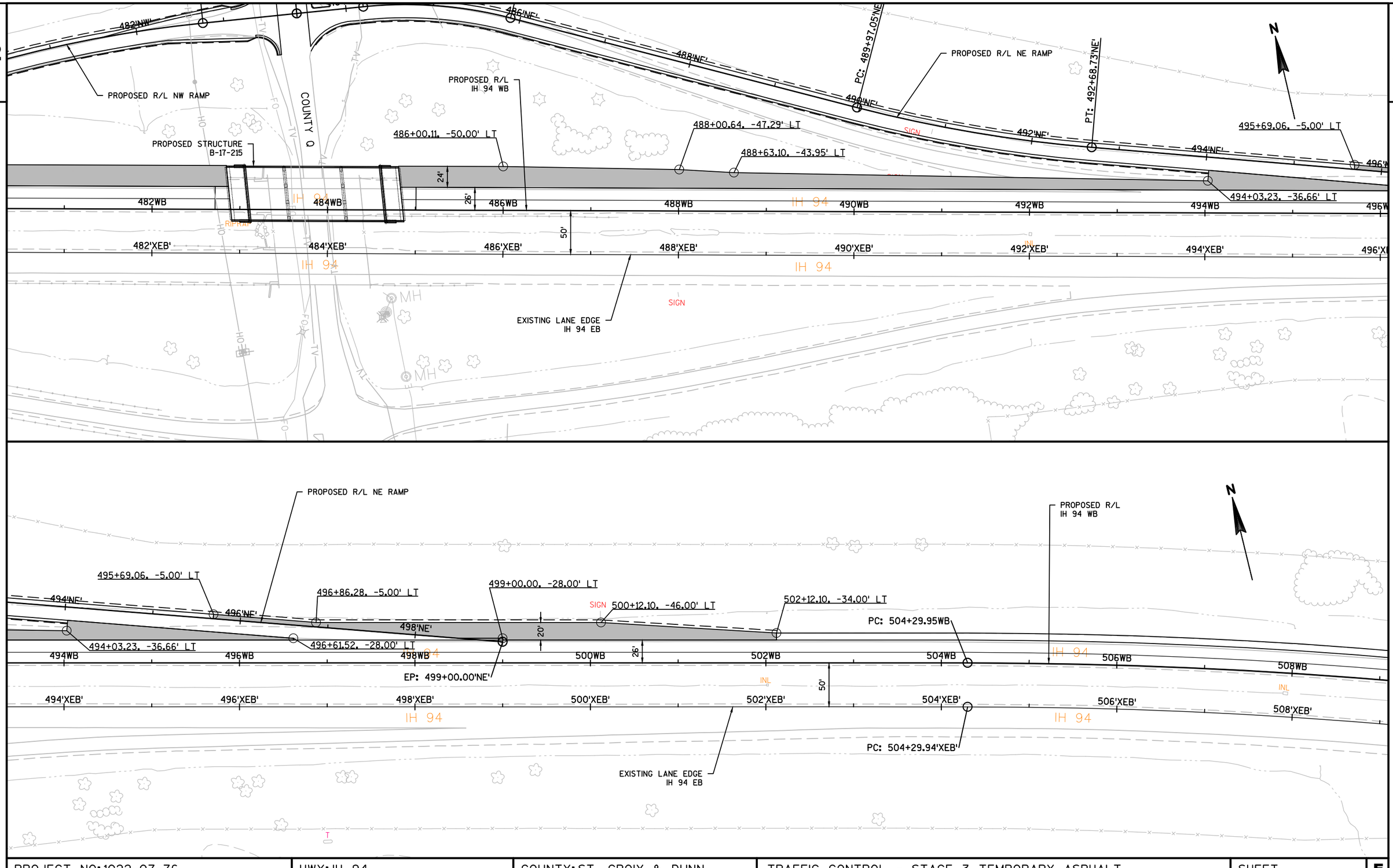
PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 3 TEMPORARY ASPHALT	SHEET 174	E

2



PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 3 TEMPORARY ASPHALT	SHEET 175	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025430_TC_STAGE3_TEMP_ASPH.DWG
LAYOUT NAME - 025430_TC_STAGE3_TEMP_ASPH - SHEET - (2)
PLOT DATE : 8/31/2018 10:15 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 3 TEMPORARY ASPHALT	SHEET 176	E

NOTE: SEE TRAFFIC CONTROL ADVANCED SIGNING OR SDD 15D27 FOR SHOULDER CLOSURE.

SEE SDD 15D12 FOR TRAFFIC CONTROL DEVICES REQUIRED DURING OFF-PEAK TEMPORARY LANE CLOSURES.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

EXISTING C/L IH 94 WB LANES

PC: 3+92.41WB'S3'

2WB'S3'

4WB'S3'

6WB'S3'

8WB'S3'

PT: 8+51.93WB'S3'

W04-5

PC: 10+71.81WB'S3'

TEMPORARY WB ON-RAMP FROM STH 128

W04-5R

C/L TEMPORARY WB LANES

PT: 15+31.34WB'S3'

210

IH 94

215

10WB'S3'

220

12WB'S3'

14WB'S3'

16WB'S3'

EXISTING C/L IH 94 EB LANES

STA. 207'XEB'+22.28

CRASH CUSHION TEMPORARY

INL

2EB'S3'

4EB'S3'

6EB'S3'

8EB'S3'

IH 94

10EB'S3'

12EB'S3'

14EB'S3'

16EB'S3'

BEGIN TAPER
PI: 2+22.28EB'S3'

END TAPER
PI: 10+22.32EB'S3'

C/L TEMPORARY EB LANES

SIGN

W01-6
48"X24"

LEFT SHOULDER CLOSED
W21-5-AL

RIGHT SHOULDER CLOSED
W21-5-A

W01-4BR

TWO W01-4BR SIGNS REQ'D.
STA. 197'XEB'+00

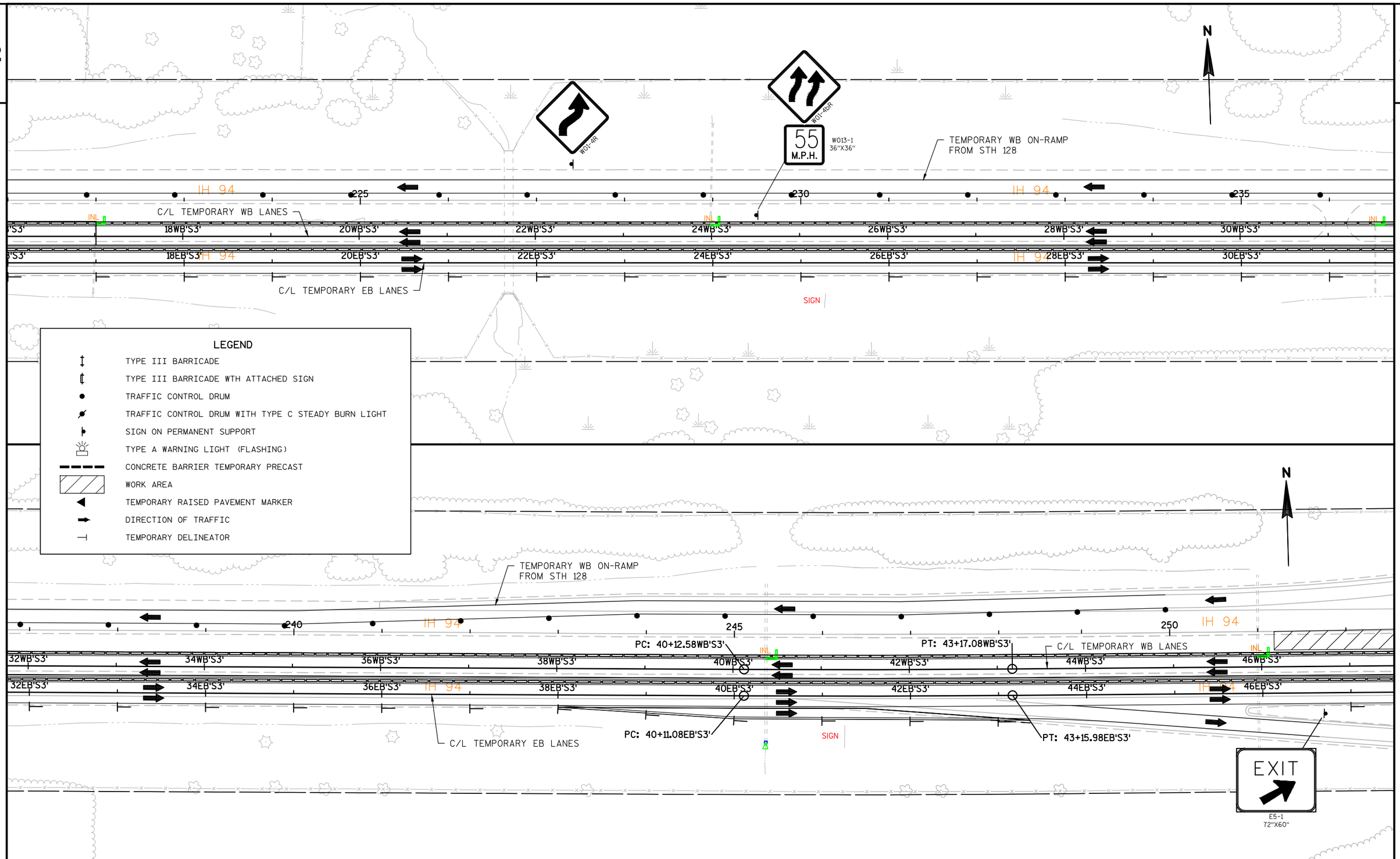
LEFT SHOULDER CLOSED AHEAD
W21-5-BL

RIGHT SHOULDER CLOSED AHEAD
W21-5-B

STA. 187'XEB'+00

W

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 177	E



PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 178	E

2

2

N

STH 128

IH 94

INL

255

260

265

270

275

280

PC: 49+50.66WB'S3'

PT: 52+51.22WB'S3'

PC: 54+51.34WB'S3'

PT: 57+50.71WB'S3'

PC: 59+51.39WB'S3'

PT: 62+50.77WB'S3'

48WB'S3'

50WB'S3'

52WB'S3'

54WB'S3'

56WB'S3'

58WB'S3'

60WB'S3'

62WB'S3'

48EB'S3'

50EB'S3'

52EB'S3'

54EB'S3'

56EB'S3'

58EB'S3'

60EB'S3'

62EB'S3'

PC: 49+49.86EB'S3'

C/L TEMPORARY WB LANES

PT: 52+49.82EB'S3'

C/L TEMPORARY EB LANES

PC: 54+49.94EB'S3'

PT: 57+49.91EB'S3'

PC: 59+49.93EB'S3'

PT: 62+49.90EB'S3'

W04-1R

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

WB CONCRETE PAVEMENT GAP

SIGN

TEMPORARY OFF-RAMP TO STH 128

PC: 64+50.82WB'S3'

PT: 67+51.40WB'S3'

64WB'S3'

66WB'S3'

68WB'S3'

70WB'S3'

72WB'S3'

74WB'S3'

76WB'S3'

78WB'S3'

64EB'S3'

66EB'S3'

68EB'S3'

70EB'S3'

72EB'S3'

74EB'S3'

76EB'S3'

78EB'S3'

C/L TEMPORARY WB LANES

C/L TEMPORARY EB LANES

PC: 64+50.02EB'S3'

PT: 67+49.99EB'S3'

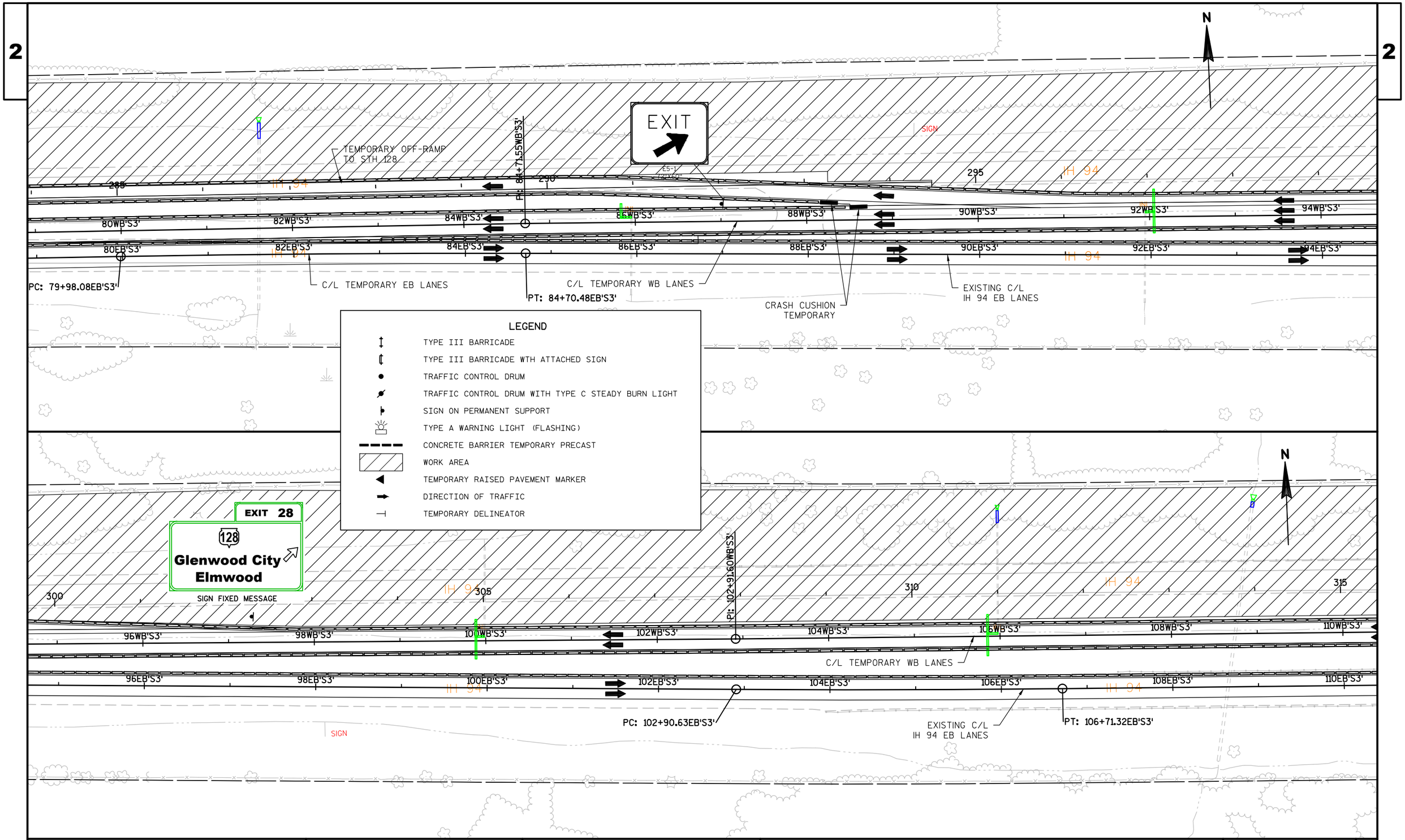
FO

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 179	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025431_TC_STAGE3_WEST.DWG
LAYOUT NAME - SHEET - (3)

PLOT DATE : 8/7/2018 10:28 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 180	E

53rd AVE

TEMPORARY EMERGENCY PULLOUT REQ'D.

N

SIGN

IH 94

320

325

330

W05-52R
12"X36"

112WB'S3'

114WB'S3'

116WB'S3'

118WB'S3'

120WB'S3'

122WB'S3'

124WB'S3'

126WB'S

TEMPORARY STRUCTURE CONSTRUCTED IN STAGE 2

C/L TEMPORARY WB LANES

112EB'S3'

114EB'S3'

116EB'S3'

118EB'S3'

120EB'S3'

122EB'S3'

124EB'S3'

126EB'S

EXISTING EB
STRUCTURE

W05-52L
12"X36"

EXISTING C/L
IH 94 EB LANES

310th ST.

SIGN

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

335

340

345

PC: 138+90.55WB'S3'

128WB'S3'

130WB'S3'

132WB'S3'

134WB'S3'

136WB'S3'

138WB'S3'

140WB'S3'

C/L TEMPORARY WB LANES

128EB'S3'

130EB'S3'

132EB'S3'

134EB'S3'

136EB'S3'

138EB'S3'

140EB'S3'

EXISTING C/L
IH 94 EB LANES

PC: 138+89.60EB'S3'

SIGN

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 181	E

2

53rd AVE

TEMPORARY EMERGENCY PULLOUT REQ'D.

IH 94

350

355

360

142WB'S3'

144WB'S3'

146WB'S3'

148WB'S3'

150WB'S3'

152WB'S3'

154WB'S3'

156WB'S3'

INL

C/L TEMPORARY WB LANES

142EB'S3'

144EB'S3'

146EB'S3'

148EB'S3'

150EB'S3'

152EB'S3'

154EB'S3'

156EB'S3'

EXISTING C/L
IH 94 EB LANES

N

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

PT: 160+51.67WB'S3'

365

370

375

158WB'S3'

160WB'S3'

162WB'S3'

164WB'S3'

166WB'S3'

168WB'S3'

170WB'S3'

172WB'S3'

C/L TEMPORARY WB LANES

158EB'S3'

160EB'S3'

162EB'S3'

164EB'S3'

166EB'S3'

168EB'S3'

170EB'S3'

172EB'S3'

PT: 160+39.09EB'S3'

EXISTING C/L
IH 94 EB LANES

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 182	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025431_TC_STAGE3_WEST.DWG
LAYOUT NAME - SHEET - (9)

PLOT DATE : 8/7/2018 10:29 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

SIGN

380

385

390

IH 94

174WB'S3'

176WB'S3'

178WB'S3'

180WB'S3'

182WB'S3'

184WB'S3'

186WB'S3'

188WB'S3'

C/L TEMPORARY WB LANES

TEMPORARY STRUCTURE CONSTRUCTED IN STAGE 2

174EB'S3'

176EB'S3'

178EB'S3'

180EB'S3'

182EB'S3'

184EB'S3'

186EB'S3'

188EB'S3'

EXISTING C/L
IH 94 EB LANES

RIGHT SHOULDER CLOSED AHEAD
W21-5-B

WO8-52R
12"X36"

WO5-52L
12"X36"

EXISTING EB
STRUCTURE

PT: 8+65.81

50th AVE.

CORSEMAY DR

N

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

SIGN

395

400

405

IH 94

PC: 190+29.05WB'S3'

190WB'S3'

192WB'S3'

194WB'S3'

196WB'S3'

198WB'S3'

200WB'S3'

202WB'S3'

204WB'S3'

190EB'S3'

192EB'S3'

194EB'S3'

196EB'S3'

198EB'S3'

200EB'S3'

202EB'S3'

204EB'S3'

PC: 192+63.69EB'S3'

INL

TEMPORARY EMERGENCY PULLOUT REQ'D.

C/L TEMPORARY EB LANES

C/L TEMPORARY WB LANES

EXISTING C/L
IH 94 EB LANES

RIGHT SHOULDER CLOSED
W21-5-A

N

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 183	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025431_TC_STAGE3_WEST.DWG
LAYOUT NAME - SHEET - (11)

PLOT DATE : 8/7/2018 10:30 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

410 415 420

IH 94

PCC: 208+05.8WB'S3'

204WB'S3' 206WB'S3' 208WB'S3' 210WB'S3' 212WB'S3' 214WB'S3' 216WB'S3' 218WB'S3'

204EB'S3' 206EB'S3' 208EB'S3' 210EB'S3' 212EB'S3' 214EB'S3' 216EB'S3' 218EB'S3'

PT: 217+02.70WB'S3'

C/L TEMPORARY EB LANES

PCC: 207+05.50EB'S3'

C/L TEMPORARY WB LANES

PT: 216+75.08EB'S3'

TEMPORARY EMERGENCY PULLOUT REQ'D.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

SIGN

425 IH 94 430 IH 94 435 IH 94

TEMPORARY EMERGENCY PULLOUT REQ'D.

220WB'S3' 222WB'S3' 224WB'S3' 226WB'S3' 228WB'S3' 230WB'S3' 232WB'S3' 234WB'S3'

220EB'S3' 222EB'S3' 224EB'S3' 226EB'S3' 228EB'S3' 230EB'S3' 232EB'S3' 234EB'S3'

SIGN

C/L TEMPORARY WB LANES

C/L TEMPORARY EB LANES

RIPRAP

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 3	SHEET	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025431_TC_STAGE3_WEST.DWG
LAYOUT NAME - SHEET - (13)

PLOT DATE : 8/7/2018 10:30 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

N

PT: 249+82.50WB'S3'

WB CONCRETE PAVEMENT GAP

PC: 247+30.56WB'S3'

SIGN

IH 94

445

450

455

236WB'S3'

238WB'S3'

240WB'S3'

242WB'S3'

244WB'S3'

246WB'S3'

248WB'S3'

250WB'S3'

236EB'S3'

238EB'S3'

240EB'S3'

242EB'S3'

244EB'S3'

246EB'S3'

248EB'S3'

250EB'S3'

RIPRAP

C/L TEMPORARY WB LANES

C/L TEMPORARY EB LANES

W01-4BR

PC: 247+02.93EB'S3'

PT: 249+53.62EB'S3'

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

WB CONCRETE PAVEMENT GAP

W04-5

CRASH CUSHION TEMPORARY

PC: 253+23.36WB'S3'

A60

A65

A70

W01-4L

TEMPORARY ON-RAMP TO COUNTY Q

252WB'S3'

254WB'S3'

256WB'S3'

258WB'S3'

260WB'S3'

262WB'S3'

264WB'S3'

252EB'S3'

254EB'S3'

256EB'S3'

258EB'S3'

260EB'S3'

262EB'S3'

264EB'S3'

PC: 252+94.49EB'S3'

W04-3R

C/L TEMPORARY WB LANES

C/L TEMPORARY EB LANES

EXIT 32

Q

Knapp

SIGN FIXED MESSAGE

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 185	E

2

WB CONCRETE PAVEMENT GAP

PT: 268+42.17WB'S3'

PT: 267+95.77EB'S3'

CRASH CUSHION TEMPORARY

EXIT

E5-1
72"X60"

C/L TEMPORARY WB LANES

C/L TEMPORARY EB LANES

PI: 276+91.46WB'S3'

PI: 276+78.55EB'S3'

EXISTING EB STRUCTURE B-17-18

RIPRAP

W05-52R 18"X54"

W05-52L 18"X54"

TEMPORARY STRUCTURE CONSTRUCTED IN STAGE 1

COUNTY Q

W04-3R

SIGN

INL

IH 94

475 480 485

266WB'S3' 268WB'S3' 270WB'S3' 272WB'S3' 274WB'S3' 276WB'S3' 278WB'S3' 280WB'S3'

266EB'S3' 268EB'S3' 270EB'S3' 272EB'S3' 274EB'S3' 276EB'S3' 278EB'S3' 280EB'S3'

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

PI: 280+91.46WB'S3'

PI: 280+78.55EB'S3'

C/L TEMPORARY WB LANES

C/L TEMPORARY EB LANES

WB CONCRETE PAVEMENT GAP

CRASH CUSHION TEMPORARY

EXIT

E5-1
72"X60"

SEPV SEPC A/C

490 495 500

282WB'S3' 284WB'S3' 286WB'S3' 288WB'S3' 290WB'S3' 292WB'S3' 294WB'S3' 296WB'S3'

282EB'S3' 284EB'S3' 286EB'S3' 288EB'S3' 290EB'S3' 292EB'S3' 294EB'S3' 296EB'S3'

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 186	E

2

WB CONCRETE PAVEMENT GAP

EXIT 32
Q
Knapp
SIGN FIXED MESSAGE

PC: 298+54.41WB'S3'

PC: 298+09.27EB'S3'

298WB'S3'
298EB'S3'
300WB'S3'
300EB'S3'
302WB'S3'
302EB'S3'
304WB'S3'
304EB'S3'
306WB'S3'
306EB'S3'
308WB'S3'
308EB'S3'
310WB'S3'
310EB'S3'
312WB'S3'
312EB'S3'

505 510 515

IH 94

C/L TEMPORARY WB LANES

C/L TEMPORARY EB LANES

PT: 310+55.32WB'S3'

PT: 310+36.66EB'S3'

CTH Q

N

LEGEND

‡	TYPE III BARRICADE
‡	TYPE III BARRICADE WTH ATTACHED SIGN
●	TRAFFIC CONTROL DRUM
●	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
⊢	SIGN ON PERMANENT SUPPORT
	TYPE A WARNING LIGHT (FLASHING)
	CONCRETE BARRIER TEMPORARY PRECAST
	WORK AREA
◀	TEMPORARY RAISED PAVEMENT MARKER
➡	DIRECTION OF TRAFFIC
⊣	TEMPORARY DELINEATOR

520 525 530

IH 94

312WB'S3' 314WB'S3' 316WB'S3' 318WB'S3' 320WB'S3' 322WB'S3' 324WB'S3' 326WB'S3'

312EB'S3' 314EB'S3' 316EB'S3' 318EB'S3' 320EB'S3' 322EB'S3' 324EB'S3' 326EB'S3'

SIGN

TEMPORARY EMERGENCY PULLOUT REQ'D.

SIGN

C/L TEMPORARY WB LANES

C/L TEMPORARY EB LANES

SIGN

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 187	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025431_TC_STAGE3_WEST.DWG
LAYOUT NAME - SHEET - (19)

PLOT DATE : 8/7/2018 10:32 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

N

535

540

545

550

555

560

IH 94

PC: 331+23.34WB'S3'

PC: 331+04.69EB'S3'

TEMPORARY EMERGENCY PULLOUT REQ'D.

C/L TEMPORARY EB LANES

C/L TEMPORARY WB LANES

SIGN

328WB'S3'

330WB'S3'

332WB'S3'

334WB'S3'

336WB'S3'

338WB'S3'

340WB'S3'

342WB'S3'

328EB'S3'

330EB'S3'

332EB'S3'

334EB'S3'

336EB'S3'

338EB'S3'

340EB'S3'

342EB'S3'

INL

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

PT: 348+48.92WB'S3'

PT: 348+39.33EB'S3'

TEMPORARY EMERGENCY PULLOUT REQ'D.

C/L TEMPORARY WB LANES

C/L TEMPORARY EB LANES

344WB'S3'

346WB'S3'

348WB'S3'

350WB'S3'

352WB'S3'

354WB'S3'

356WB'S3'

358WB'S3'

344EB'S3'

346EB'S3'

348EB'S3'

350EB'S3'

352EB'S3'

354EB'S3'

356EB'S3'

358EB'S3'

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 188	E

2

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

W01-6
SIZE
TYPE III BARRICADE

N

160th ST.

RIGHT SHOULDER CLOSED
W21-5-A

PC: 358+42.72WB'S3'
PT: 361+89.00WB'S3'
PC: 367+44.12WB'S3'
PT: 370+90.41WB'S3'
EP: 372+10.77WB'S3'

IH 94

565 570 575

360WB'S3' 362WB'S3' 364WB'S3' 366WB'S3' 368WB'S3' 370WB'S3' 372WB'S3'

CRASH CUSHION TEMPORARY

EXISTING C/L
IH 94 WB LANES

360EB'S3' 362EB'S3' 364EB'S3' 366EB'S3' 368EB'S3' 370EB'S3' 372EB'S3'

C/L TEMPORARY EB LANES

BEGIN TAPER
PI: 361+49.41EB'S3'

C/L TEMPORARY WB LANES

END TAPER
PI: 367+49.46EB'S3'

EXISTING C/L
IH 94 EB LANES

EP: 373+53.67EB'S3'

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

W01-4DL

W013-1
36"X36"

55
M.P.H.

590

ONE W21-5-B SIGN REQ'D.
STA. 596'WB'+00, LT

RIGHT SHOULDER CLOSED AHEAD
W21-5-B

ONE W21-5-BL SIGN REQ'D.
STA. 596'WB'+00, RT

LEFT SHOULDER CLOSED AHEAD
W21-5-BL

580 585

CRASH CUSHION TEMPORARY

LEFT SHOULDER CLOSED
W21-5-AL

EXISTING C/L
IH 94 EB LANES

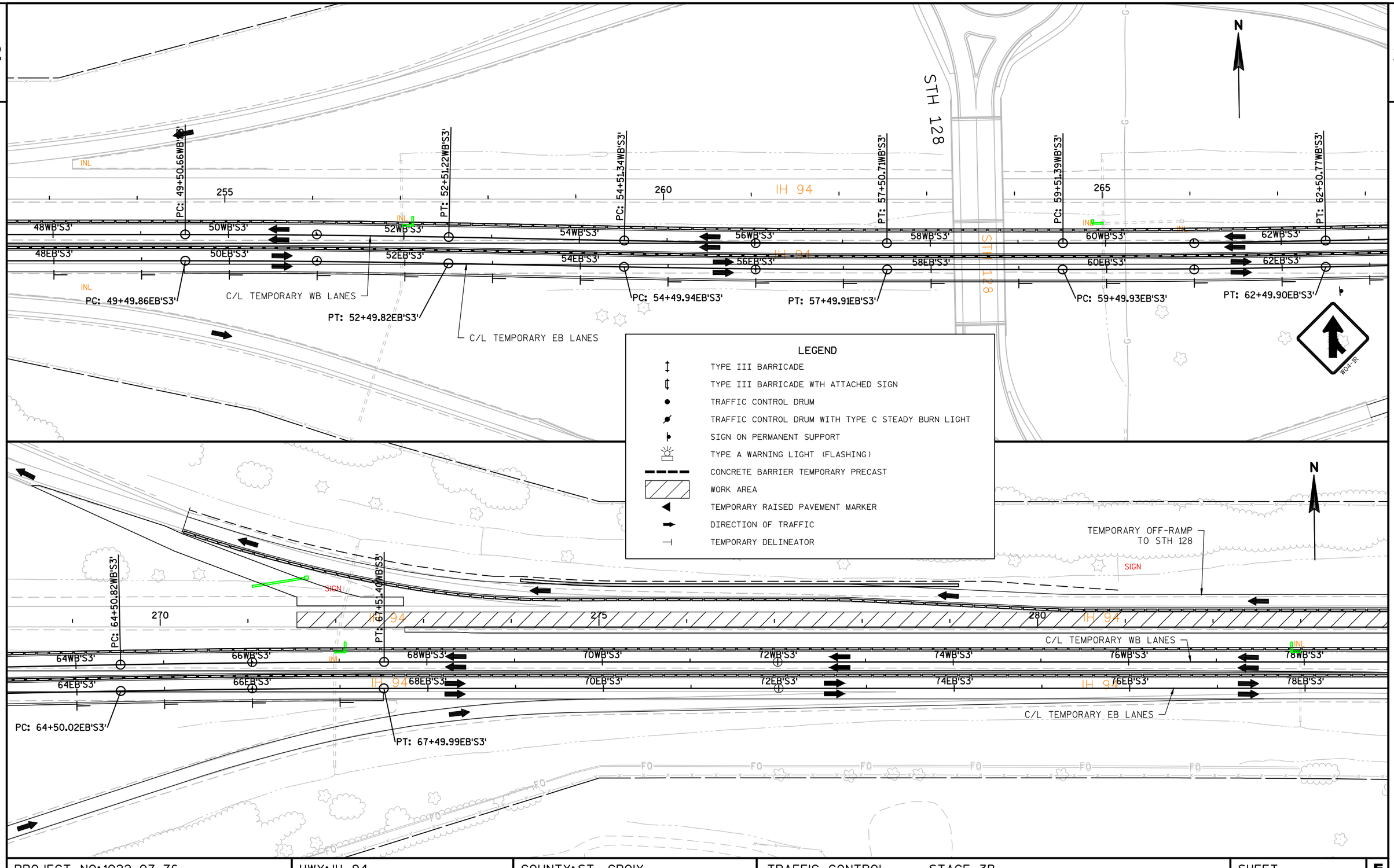
N

NOTE: SEE TRAFFIC CONTROL ADVANCED SIGNING OR SDD 15D27 FOR SHOULDER CLOSURE.

SEE SDD 15D12 FOR TRAFFIC CONTROL DEVICES REQUIRED DURING OFF-PEAK TEMPORARY LANE CLOSURES.

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 189	E

2



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 3B	SHEET 190	E

2

N

EXIT

E5-1
72"X60"

SIGN

TEMPORARY OFF-RAMP
TO STH 128

PI: 84+71.55WB'S3'

285

290

295

IH 94

CRASH CUSHION
TEMPORARY

80WB'S3'
82WB'S3'
84WB'S3'
86WB'S3'
88WB'S3'
90WB'S3'
92WB'S3'
94WB'S3'

80EB'S3'
82EB'S3'
84EB'S3'
86EB'S3'
88EB'S3'
90EB'S3'
92EB'S3'
94EB'S3'

PC: 79+98.08EB'S3'

C/L TEMPORARY EB LANES

PT: 84+70.48EB'S3'

C/L TEMPORARY WB LANES

EXISTING C/L
IH 94 EB LANES

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

EXIT 28

128

Glenwood City
Elmwood

SIGN FIXED MESSAGE

300

305

310

315

IH 94

PI: 102+91.60WB'S3'

96WB'S3'
98WB'S3'
100WB'S3'
102WB'S3'
104WB'S3'
106WB'S3'
108WB'S3'
110WB'S3'

96EB'S3'
98EB'S3'
100EB'S3'
102EB'S3'
104EB'S3'
106EB'S3'
108EB'S3'
110EB'S3'

C/L TEMPORARY WB LANES

PC: 102+90.63EB'S3'

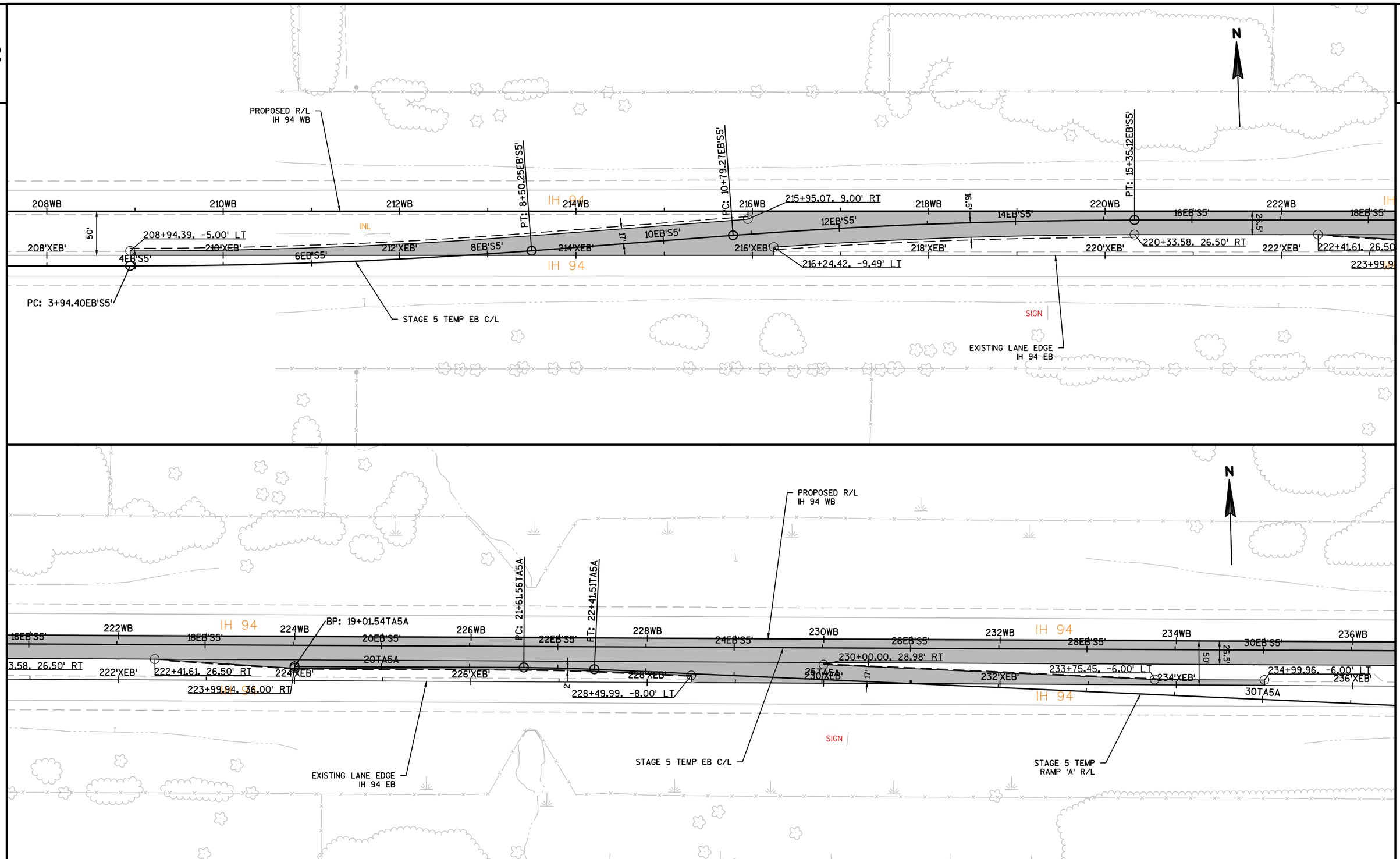
EXISTING C/L
IH 94 EB LANES

PT: 106+71.32EB'S3'

SIGN

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 3B	SHEET 191	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025432_TC_STAGE3B_WEST.DWG
LAYOUT NAME - SHEET - (5)
PLOT DATE : 8/7/2018 10:40 AM
PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:100 FT



PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 4 TEMPORARY ASPHALT	SHEET 192	E

2

N

STH 128

STH 128

STH 128

SIGN

SIGN

A/C

A/C

CAUTION

PROPOSED R/L
IH 94 WB

STA BACK = 262+80.58WB
STA AHEAD = 262+80.55WB

PT: 262+80.55WB

SIGN

94 262WB 264WB 266WB 268WB 270WB 272WB IH 94 274WB 276WB

68'EB'S5' 60'EB'S5' 62'EB'S5' 64'EB'S5' 66'EB'S5' 68'EB'S5' 70'EB'S5' 72'EB'S

PT: 64+39.56

PT: 57+76.29EB'S5'

262'XEB' 264'XEB' 266'XEB' 268'XEB' 270'XEB' 272'XEB' 274'XEB' 276'XEB'

INL INL INL

55' 20.5'

94

IH 94

70TD5A

270+98.26, 35.82' RT

272+50.00, 34.00' RT

271+88.59, 34.15' RT

274'D'

272'D'

PT: 274+94.20'D'

EXISTING LANE EDGE
IH 94 EB

STAGE 5 TEMP
RAMP 'D' R/L

PT: 64+08.11TD5A

PC: 62+78.40TD5A

PT: 61+95.03TD5A

BP: 60+48.38TD5A

PC: 60+64.25TD5A

19.5'

65TD5A

4.5'

270'D'

268'D'

PC: 270+21.47'D'

BP: 267+19.69'D'

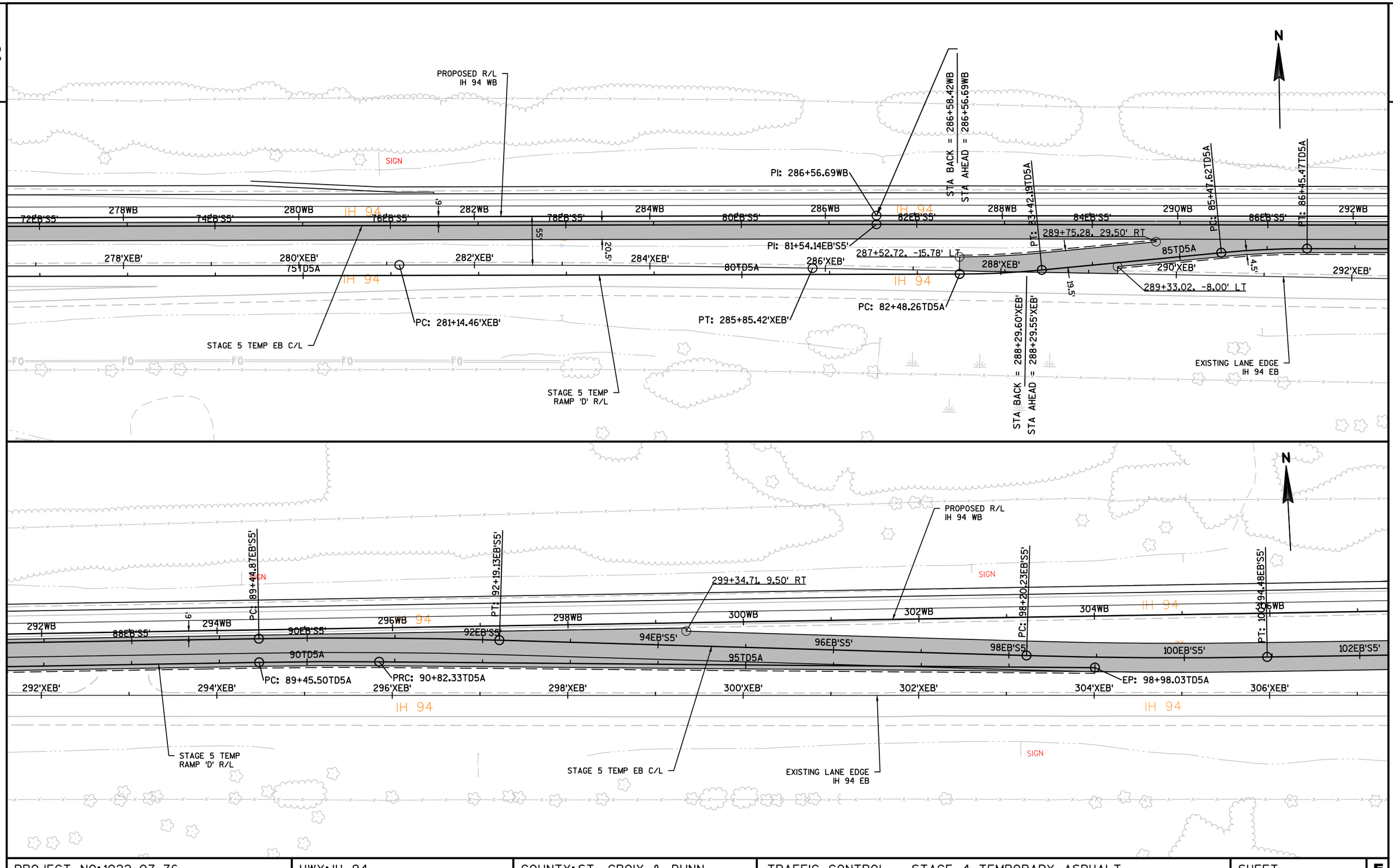
STAGE 5 TEMP EB C/L

PROPOSED R/L RAMP 'D'

FO

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 4 TEMPORARY ASPHALT	SHEET 193	E

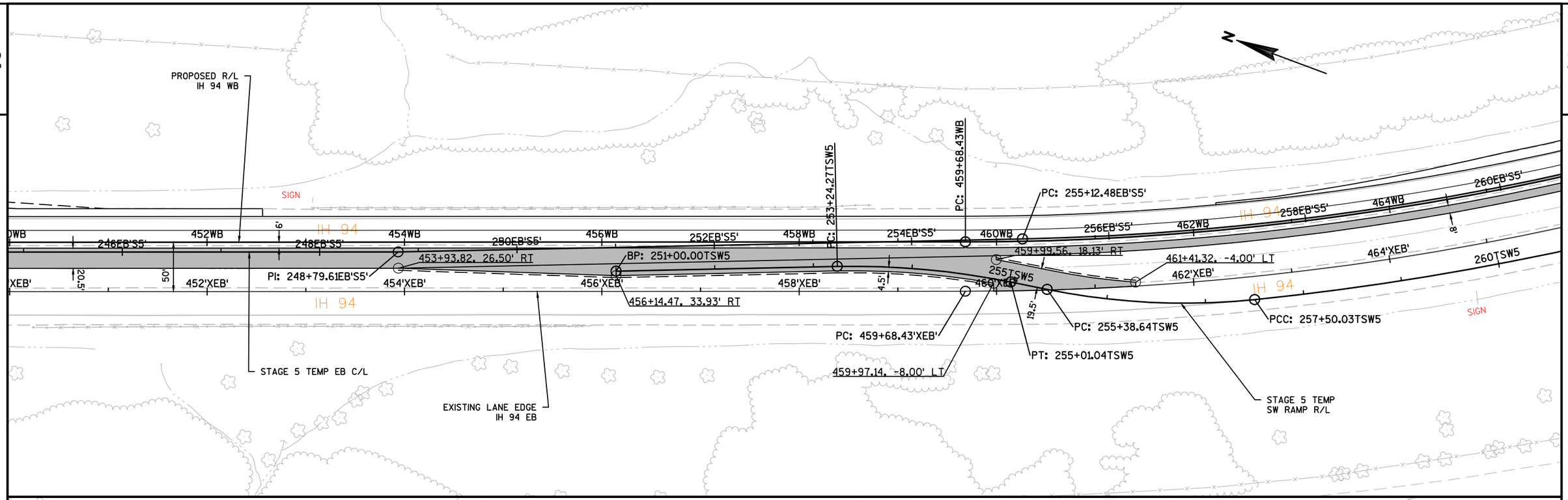
FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025440_TC_STAGE4_TEMP_ASPH.DWG
LAYOUT NAME - 025440_TC_STAGE4_TEMP_ASPH - SHEET - (2)
PLOT DATE : 8/31/2018 11:26 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 44



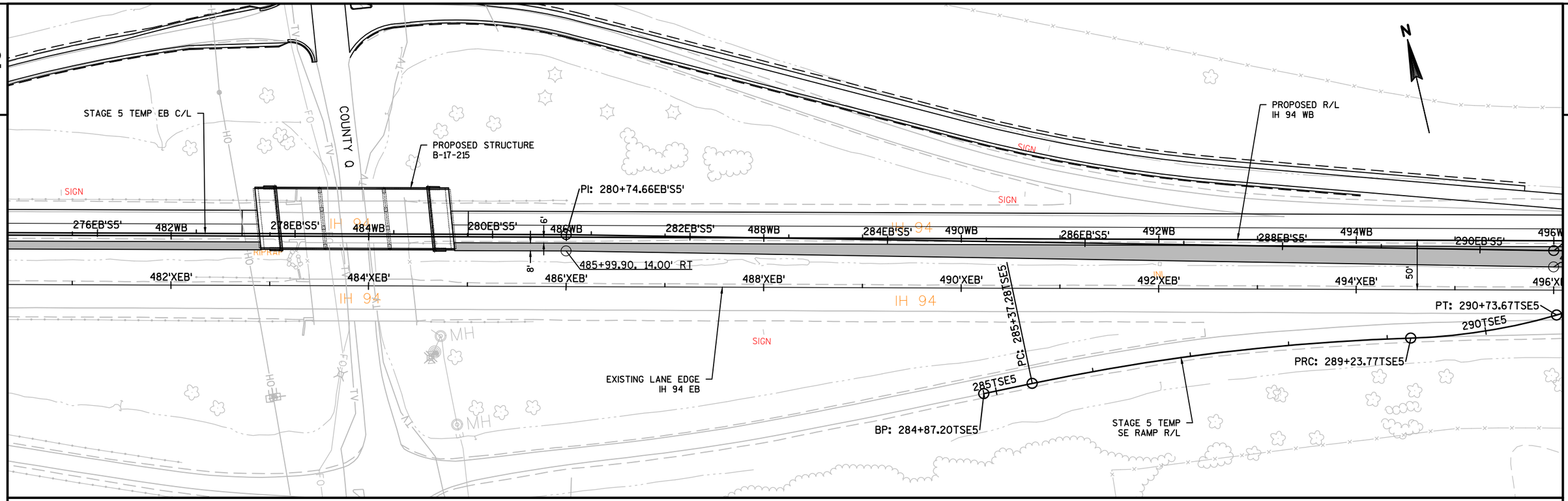
PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 4 TEMPORARY ASPHALT	SHEET 194	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025440_TC_STAGE4_TEMP_ASPH.DWG
LAYOUT NAME - 025440_TC_STAGE4_TEMP_ASPH - SHEET - (3)
PLOT DATE : 8/31/2018 11:26 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2



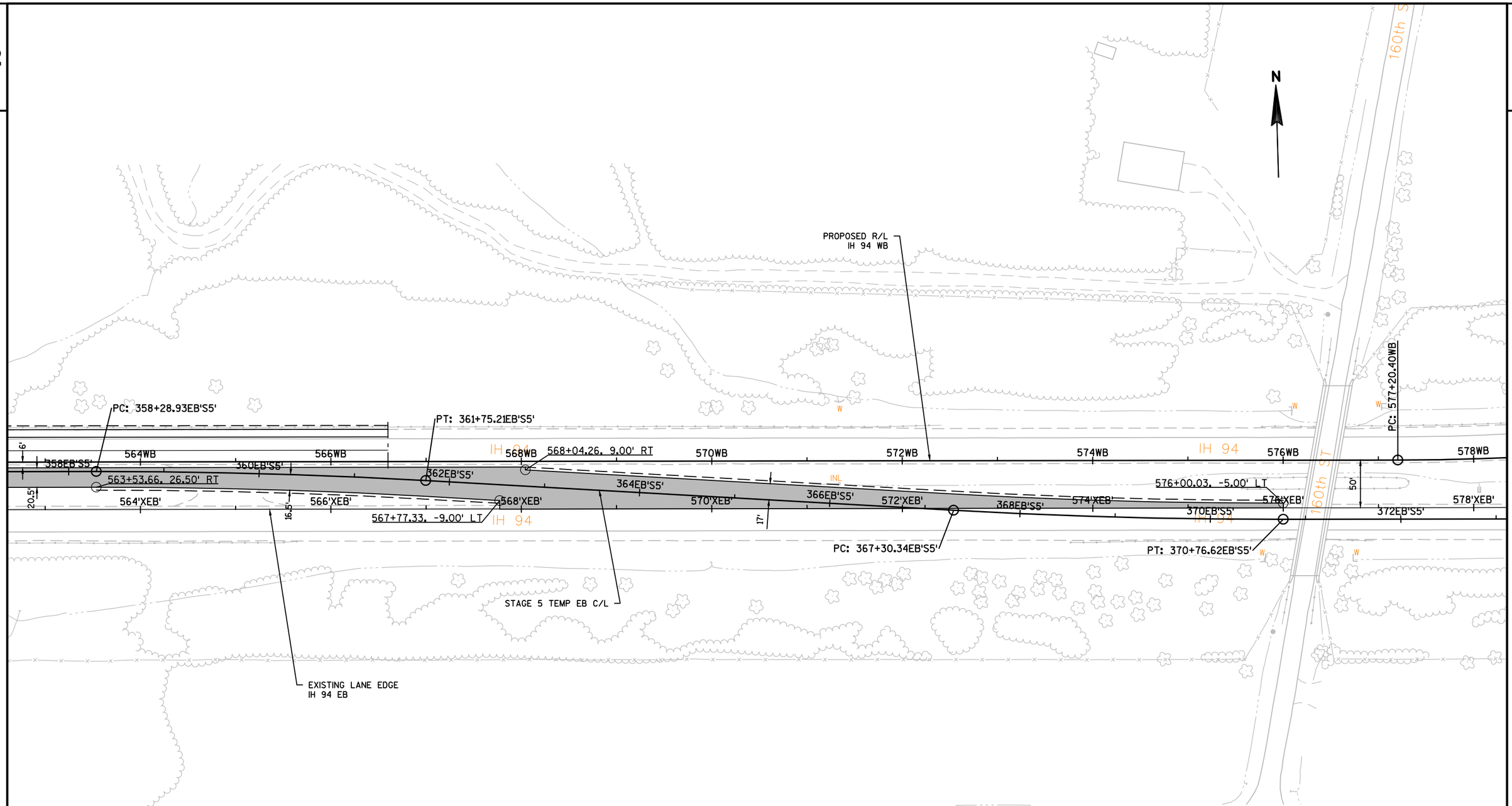
PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 4 TEMPORARY ASPHALT	SHEET 195	E



PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 4 TEMPORARY ASPHALT	SHEET 196	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025440_TC_STAGE4_TEMP_ASPH.DWG
LAYOUT NAME - 025440_TC_STAGE4_TEMP_ASPH - SHEET - (5)
PLOT DATE : 8/31/2018 11:27 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2



PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 4 TEMPORARY ASPHALT	SHEET 197	E

2

2

NOTE: SEE TRAFFIC CONTROL ADVANCED SIGNING OR SDD 15D27 FOR SHOULDER CLOSURE.

SEE SDD 15D12 FOR TRAFFIC CONTROL DEVICES REQUIRED DURING OFF-PEAK TEMPORARY LANE CLOSURES.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

EXISTING C/L IH 94 WB LANES

BP: 0+00.01WB'S4'

PI: 5+22.44WB'S4' BEGIN TAPER

PI: 11+22.49WB'S4' END TAPER

C/L TEMPORARY WB LANES

2WB'S4' 4WB'S4' 6WB'S4' 8WB'S4' 10WB'S4' 12WB'S4' 14WB'S4'

IH 94

CRASH CUSHION TEMPORARY

P: 205+00.00'XEB'

206'XEB' 208'XEB' 210'XEB' 212'XEB' 214'XEB' 216'XEB' 218'XEB'

IH 94

EXIST. LANE EDGE IH 94 EB

EXIST. LANE EDGE IH 94 EB

SIGN

LEFT SHOULDER CLOSED W21-5-AL

TWO W21-5-AL SIGNS REQ'D. STA. 200'XEB'+00

LEFT SHOULDER CLOSED AHEAD W21-5-BL

TWO W21-5-BL SIGNS REQ'D. STA. 190'XEB'+00

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 4C	SHEET 198	E

2

N

C/L TEMPORARY WB LANES

W01-4DL

18WB'S4' 20WB'S4' 22WB'S4' 24WB'S4' 26WB'S4' 28WB'S4' 30WB'S4'

IH 94

IN

222'XEB' 224'XEB' 226'XEB' 228'XEB' 230'XEB' 232'XEB' 234'XEB' 236'XEB'

IH 94

EXIST. LANE EDGE
IH 94 EB

SIGN

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

PC: 40+11.26WB'S4'

PT: 43+14.96WB'S4'

C/L TEMPORARY WB LANES

32WB'S4' 34WB'S4' 36WB'S4' 38WB'S4' 40WB'S4' 42WB'S4' 44WB'S4' 46WB'S4'

IH 94

238'XEB' 240'XEB' 242'XEB' 244'XEB' 246'XEB' 248'XEB' 250'XEB' 252'XEB'

IH 94

EXIST. LANE EDGE
IH 94 EB

PC: 245+11.20'XEB'

SIGN

PT: 248+21.13'XEB'

STA BACK = 248+15.83'XEB'

STA AHEAD = 248+21.13'XEB'

EXIT

E5-1
72"X60"

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 4C	SHEET 199	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025441_TC_STAGE4C_WEST.DWG
LAYOUT NAME - SHEET - (1)

PLOT DATE : 8/7/2018 10:54 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

PC: 51+63.28WB'S4'

PT: 53+24.16WB'S4'

PC: 56+13.08WB'S4'

PT: 57+74.41WB'S4'

STH 128

C/L TEMPORARY WB LANES

48WB'S4' 50WB'S4' 52WB'S4' 54WB'S4' 56WB'S4' 58WB'S4' 60WB'S4' 62WB'S4'

IH 94

254'XEB' 256'XEB' 258'XEB' 260'XEB' 262'XEB' 264'XEB' 266'XEB' 268'XEB'

INL

EXIST. LANE EDGE
IH 94 EB

W04-1R

N

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

EXIT

E5-1
72"X60"

EXIT 28

128

Glenwood City
Elmwood

SIGN FIXED MESSAGE
SIGN

SIGN

64WB'S4' 66WB'S4' 68WB'S4' 70WB'S4' 72WB'S4' 74WB'S4' 76WB'S4' 78WB'S4'

C/L TEMPORARY WB LANES

IH 94

270'XEB' 272'XEB' 274'XEB' 276'XEB' 278'XEB' 280'XEB' 282'XEB'

PC: 281+14.46'XEB'

EXIST. LANE EDGE
IH 94 EB

FO

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 4C	SHEET 200	E

2

N

PI: 81+52.31WB'S4'

C/L TEMPORARY WB LANES

SIGN

PI: 93+54.75WB'S4'
BEGIN TAPER

80WB'S4' 82WB'S4' 84WB'S4' 86WB'S4' 88WB'S4' 90WB'S4' 92WB'S4' 94WB'S4'

IH 94

INL

'XEB' 286'XEB' 288'XEB' 290'XEB' 292'XEB' 294'XEB' 296'XEB' 298'XEB'

PT: 285+85.42'XEB'

EXIST. LANE EDGE
IH 94 EB

STA BACK = 288+29.60'XEB'
STA AHEAD = 288+29.55'XEB'

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

RIGHT SHOULDER CLOSED
W21-5-A

W01-4aR

C/L TEMPORARY WB LANES

SIGN

PI: 99+54.80WB'S4'
END TAPER

PROPOSED C/L
IH 94 WB LANES

96WB'S4' 98WB'S4' 100WB'S4' 102WB'S4' 104WB'S4' 106WB'S4' 108WB'S4' 110WB'S4'

IH 94

INL

300'XEB' 302'XEB' 304'XEB' 306'XEB' 308'XEB' 310'XEB' 312'XEB' 314'XEB'

PC: 307+95.90'XEB'

PT: 311+74.60'XEB'

SIGN

EXIST. LANE EDGE
IH 94 EB

STA BACK = 311+76.40'XEB'
STA AHEAD = 311+74.60'XEB'

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 4C	SHEET 201	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025441_TC_STAGE4C_WEST.DWG
LAYOUT NAME - SHEET - (5)

PLOT DATE : 8/7/2018 10:54 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

53rd AVE

NEW WB STRUCTURE
B-55-247

PROPOSED C/L
IH 94 WB LANES

SIGN

RIGHT SHOULDER CLOSED AHEAD
W21-5-B

N

112WB'S4' IH 94 114WB'S4' 116WB'S4' 118WB'S4' 120WB'S4' 122WB'S4' 124WB'S4' 126WB'

INL

TEMPORARY STRUCTURE CONSTRUCTED IN STAGE 2

316'XEB' 318'XEB' 320'XEB' 322'XEB' 324'XEB' 326'XEB' 328'XEB' 330'XEB'

IH 94

EXISTING EB
STRUCTURE

EXIST. LANE EDGE
IH 94 EB

310th ST.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

SIGN

N

PROPOSED C/L
IH 94 WB LANES

PC: 138+88.59WB'S4'

128WB'S4' 130WB'S4' 132WB'S4' 134WB'S4' IH 94 136WB'S4' 138WB'S4' 140WB'S4'

INL

332'XEB' 334'XEB' 336'XEB' 338'XEB' 340'XEB' 342'XEB' 344'XEB' 346'XEB'

IH 94

PC: 343+92.88'XEB'

EXIST. LANE EDGE
IH 94 EB

SIGN

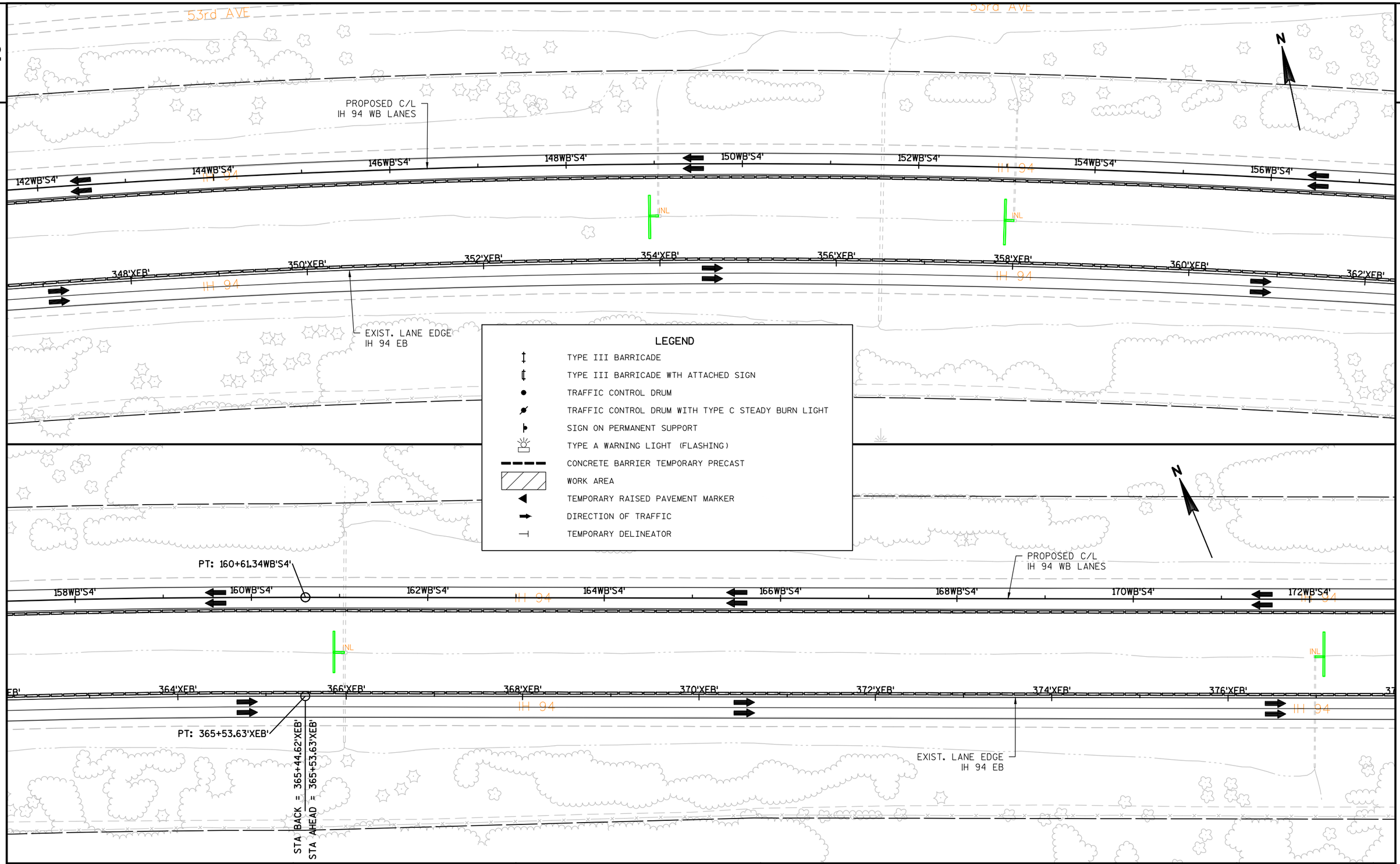
PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 4C	SHEET 202	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025441_TC_STAGE4C_WEST.DWG
LAYOUT NAME - SHEET - (7)

PLOT DATE : 8/7/2018 10:55 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 4C	SHEET 203	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025441_TC_STAGE4C_WEST.DWG
LAYOUT NAME - SHEET - (9)

PLOT DATE : 8/7/2018 10:55 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

SIGN

PROPOSED C/L
IH 94 WB LANES

174WB'S4' 176WB'S4' 178WB'S4' 180WB'S4' 182WB'S4' 184WB'S4' 186WB'S4' 188WB'S4'

IH 94

INL

NEW WB STRUCTURE
B-55-245

RIPRAP

TEMPORARY STRUCTURE CONSTRUCTED IN STAGE 2

RIPRAP

378'XEB' 380'XEB' 382'XEB' 384'XEB' 386'XEB' 388'XEB' 390'XEB' 392'XEB'

IH 94

EXIST. LANE EDGE
IH 94 EB

EXISTING EB
STRUCTURE

PT: 8+65.81

50th AVE.

CORSAIR DR

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

PROPOSED C/L
IH 94 WB LANES

PC: 192+72.46WB'S4'

SIGN

190WB'S4' 192WB'S4' 194WB'S4' 196WB'S4' 198WB'S4' 200WB'S4' 202WB'S4' 204WB'S4'

IH 94

C/L TEMPORARY WB LANES

INL

394'XEB' 396'XEB' 398'XEB' 400'XEB' 402'XEB' 404'XEB' 406'XEB' 408'XEB'

IH 94

PC: 398+44.50'XEB'

INL

SIGN

EXIST. LANE EDGE
IH 94 EB

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 4C	SHEET 204	E

2

C/L TEMPORARY WB LANES

206WB'S4' 208WB'S4' 210WB'S4' 212WB'S4' 214WB'S4' 216WB'S4' 218WB'S4'

PT: 216+20.39WB'S4'

410'XEB' 412'XEB' 414'XEB' 416'XEB' 418'XEB' 420'XEB' 424'XEB'

IH 94

EXIST. LANE EDGE
IH 94 EB

PT: 422+28.48'XEB'

STA BACK = 421+97.17'XEB'
STA AHEAD = 422+28.48'XEB'

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

SIGN

220WB'S4' 222WB'S4' 224WB'S4' 226WB'S4' 228WB'S4' 230WB'S4' 232WB'S4' 234WB'S4'

IH 94

426'XEB' 428'XEB' 430'XEB' 432'XEB' 434'XEB' 436'XEB' 438'XEB'

SIGN

C/L TEMPORARY WB LANES

TEMPORARY EMERGENCY
PULLOUT REQ'D.

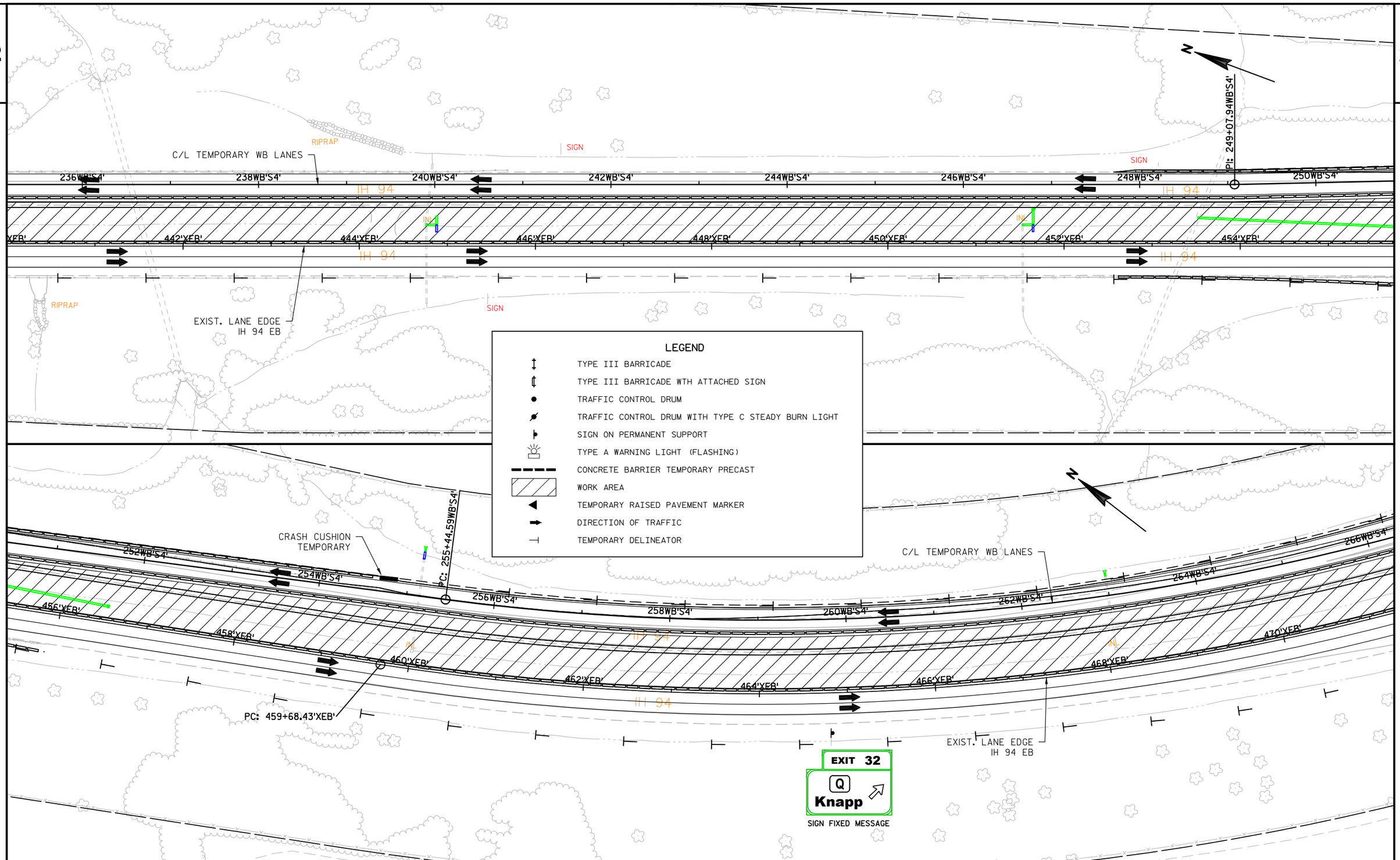
EXIST. LANE EDGE
IH 94 EB

RIPRAP

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 4C	SHEET 205	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025441_TC_STAGE4C_WEST.DWG
LAYOUT NAME - SHEET - (13)
PLOT DATE : 8/7/2018 10:56 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2



PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 4C	SHEET 206	E

2

PT: 268+35.34WB'S4'

266WB'S4' 268WB'S4' 270WB'S4' 272WB'S4' 274WB'S4' 276WB'S4' 278WB'S4' 280WB'S4'

IH 94

C/L TEMPORARY WB LANES

NEW WB STRUCTURE B-17-215

W05-52R 18"X54"

472'XEB' 474'XEB' 476'XEB' 478'XEB' 480'XEB' 482'XEB' 484'XEB'

IH 94

PT: 473+61.68'XEB'

CRASH CUSHION TEMPORARY

EXIST. LANE EDGE IH 94 EB

EXIT

E5-1 72"X60"

STA BACK = 473+92.26'XEB'

STA AHEAD = 473+78.05'XEB'

EXISTING EB STRUCTURE B-17-18

COUNTY D

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

CRASH CUSHION TEMPORARY

C/L TEMPORARY WB LANES

282WB'S4' 284WB'S4' 286WB'S4' 288WB'S4' 290WB'S4' 292WB'S4' 294WB'S4' 296WB'S4'

IH 94

488'XEB' 490'XEB' 492'XEB' 494'XEB' 496'XEB' 498'XEB' 500'XEB'

IH 94

SIGN

EXIST. LANE EDGE IH 94 EB

W04-1R

EXIT

E5-1 72"X60"

PI: 290+87.96WB'S4'

SEPV SEPC A/C

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 4C	SHEET 207	E

2

EXIT 32
Q
Knapp
SIGN FIXED MESSAGE

PC: 299+17.91WB'S4'
PC: 504+29.94'XEB'
PT: 310+60.24WB'S4'
PT: 515+58.52'XEB'

C/L TEMPORARY WB LANES
TEMPORARY EMERGENCY PULLOUT REQ'D.
EXIST. LANE EDGE IH 94 EB

298WB'S4' 300WB'S4' 302WB'S4' 304WB'S4' 306WB'S4' 308WB'S4' 310WB'S4' 312WB'S

502'XEB' 504'XEB' 506'XEB' 508'XEB' 510'XEB' 512'XEB' 514'XEB' 516'XEB'

IH 94

CTH Q

STA BACK = 516+10.55'XEB'
STA AHEAD = 516+13.33'XEB'

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

C/L TEMPORARY WB LANES
EXIST. LANE EDGE IH 94 EB

WB'S4' 314WB'S4' 316WB'S4' 318WB'S4' 320WB'S4' 322WB'S4' 324WB'S4' 326WB'S4'

518'XEB' 520'XEB' 522'XEB' 524'XEB' 526'XEB' 528'XEB' 530'XEB' 532'XEB'

IH 94

SIGN
SIGN
SIGN

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 4C	SHEET 208	E

2

2

N

TEMPORARY EMERGENCY
PULLOUT REQ'D.

C/L TEMPORARY WB LANES

SIGN

PC: 331+28.27WB'S4'

328WB'S4'

330WB'S4'

332WB'S4'

334WB'S4'

336WB'S4'

338WB'S4'

340WB'S4'

342WB'S4'

534'XEB'

536'XEB'

538'XEB'

540'XEB'

542'XEB'

544'XEB'

546'XEB'

548'XEB'

IH 94

PC: 536+29.32'XEB'

EXIST. LANE EDGE
IH 94 EB

SIGN

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

C/L TEMPORARY WB LANES

PT: 348+35.70WB'S4'

344WB'S4'

346WB'S4'

348WB'S4'

350WB'S4'

352WB'S4'

354WB'S4'

356WB'S4'

358WB'S4'

548'XEB'

550'XEB'

552'XEB'

554'XEB'

556'XEB'

558'XEB'

560'XEB'

562'XEB'

IH 94

SIGN

PT: 553+50.37'XEB'

EXIST. LANE EDGE
IH 94 EB

STA BACK = 553+57.92'XEB'

STA AHEAD = 553+50.37'XEB'

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 4C	SHEET 209	E

2

N

160th ST.

PI: 361+49.79WB'S4'
BEGIN TAPER

C/L TEMPORARY WB LANES

360WB'S4'

362WB'S4'

364WB'S4'

366WB'S4'

PI: 367+49.84WB'S4'
END TAPER

368WB'S4'

370WB'S4'

EXISTING C/L
IH 94 WB LANES

EP: 371+96.30WB'S4'

W01-4DR

554'XEB'

566'XEB'

568'XEB'

570'XEB'

572'XEB'

574'XEB'

576'XEB'

578'XEB'

IH 94

10th ST.

EXIST. LANE EDGE
IH 94 EB

CRASH CUSHION
TEMPORARY

PC: 578+64.66'XEB'

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

RIGHT SHOULDER CLOSED AHEAD
W21-5-B

LEFT SHOULDER CLOSED AHEAD
W21-5-BL

RIGHT SHOULDER CLOSED
W21-5-A

LEFT SHOULDER CLOSED
W21-5-AL

EXISTING C/L
IH 94 WB LANES

IH 94

580'XEB'

582'XEB'

584'XEB'

586'XEB'

588'XEB'

590'XEB'

592'XEB'

594'XEB'

PT: 592+41.86'XEB'

EXIST. LANE EDGE
IH 94 EB

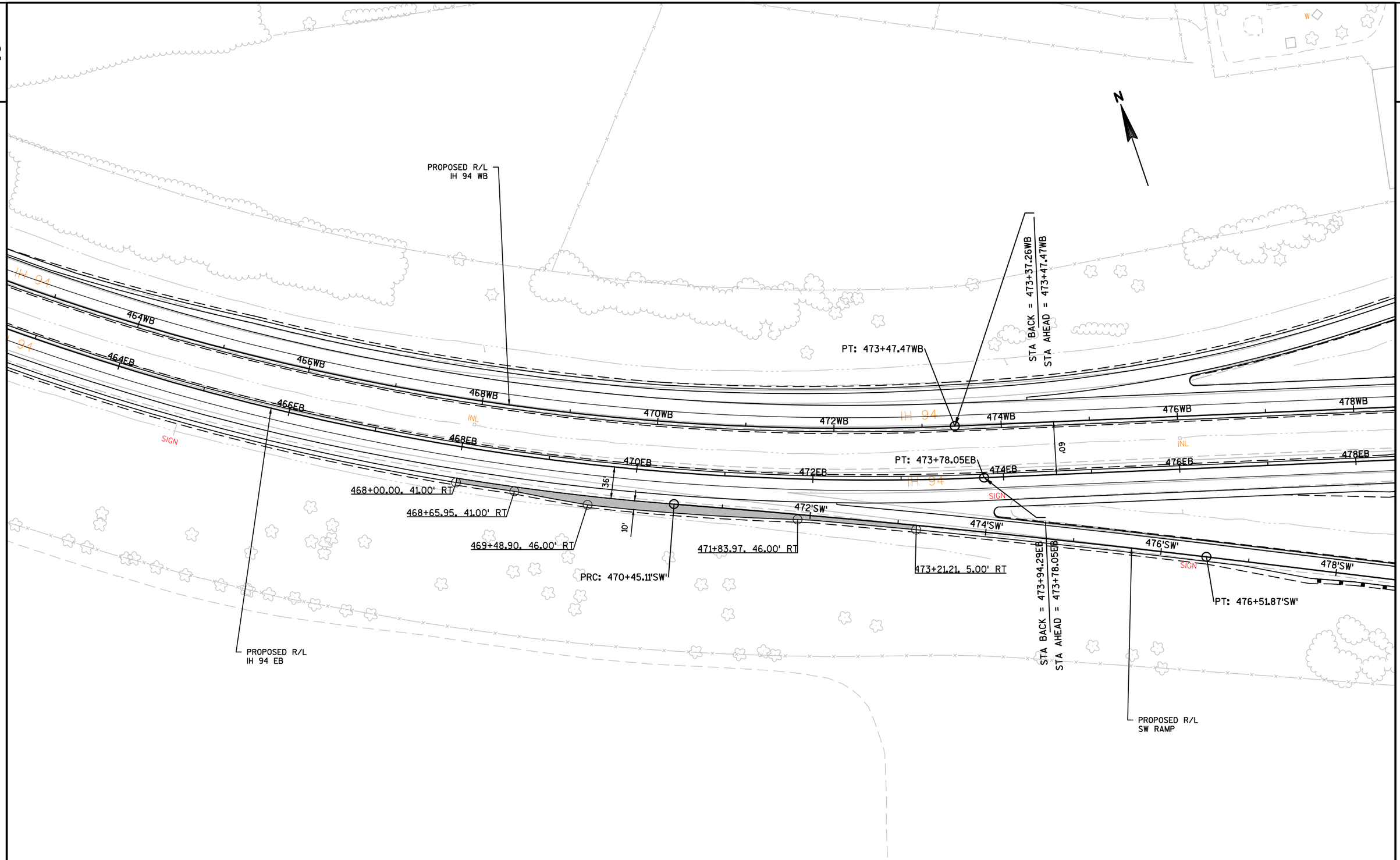
NOTE: SEE TRAFFIC CONTROL ADVANCED SIGNING OR SDD 15D27 FOR SHOULDER CLOSURE.

SEE SDD 15D12 FOR TRAFFIC CONTROL DEVICES REQUIRED DURING OFF-PEAK TEMPORARY LANE CLOSURES.

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 4C	SHEET 210	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025441_TC_STAGE4C_WEST.DWG
LAYOUT NAME - SHEET - (23)
PLOT DATE : 8/7/2018 10:58 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2



PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 5 TEMPORARY ASPHALT	SHEET 211	E

2

NOTE: SEE TRAFFIC CONTROL ADVANCED SIGNING OR SDD 15D27 FOR SHOULDER CLOSURE.

SEE SDD 15D12 FOR TRAFFIC CONTROL DEVICES REQUIRED DURING OFF-PEAK TEMPORARY LANE CLOSURES.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

EXISTING C/L IH 94 WB LANES

PI: 5+22.44WB'S5'
BEGIN TAPER

PI: 11+22.49WB'S5'
END TAPER

C/L TEMPORARY WB LANES

2WB'S5' 4WB'S5' 6WB'S5' 8WB'S5' 10WB'S5' 12WB'S5' 14WB'S5' 16WB'S5'

IH 94

CRASH CUSHION TEMPORARY

STA. 208'XEB'+94.40

INL

PT: 8+50.25EB'S5'

2EB'S5' 4EB'S5' 6EB'S5' 8EB'S5' 10EB'S5' 12EB'S5' 14EB'S5' 16EB'S5'

210 215 220

IH 94

PC: 3+94.40EB'S5'

PC: 10+79.27EB'S5'

C/L TEMPORARY EB LANES

PT: 15+35.12EB'S5'

SIGN

LEFT SHOULDER CLOSED W21-5-AL

RIGHT SHOULDER CLOSED W21-5-A

EXISTING C/L IH 94 EB LANES

W01-4BL

55 M.P.H. W013-1 36"X36"

STA. 199'XEB'+00, LT & RT

LEFT SHOULDER CLOSED AHEAD W21-5-BL

RIGHT SHOULDER CLOSED AHEAD W21-5-B

STA. 189'XEB'+00

W01-6 SIZE

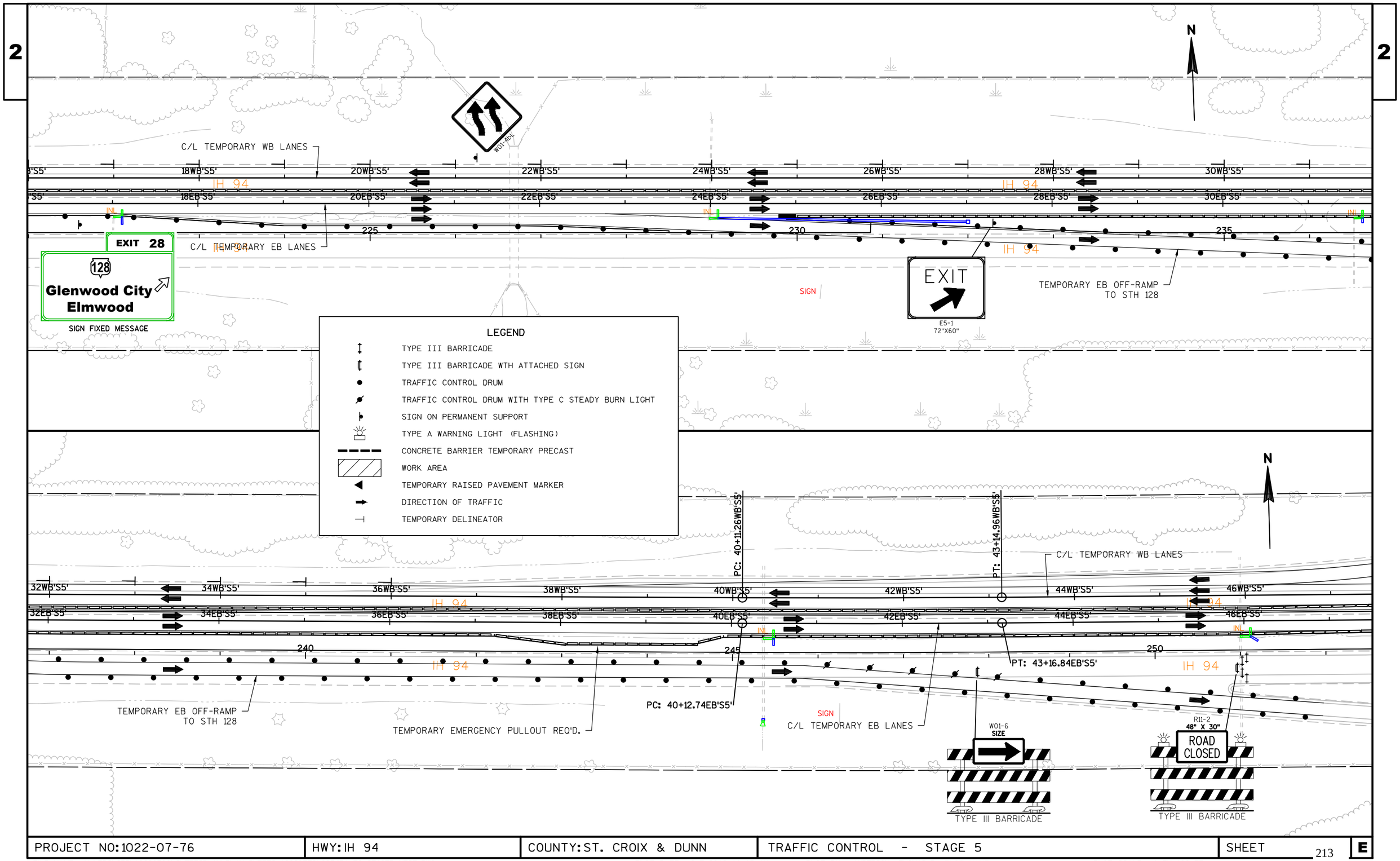
TYPE III BARRICADE

R11-2 48" X 30"
ROAD CLOSED

TYPE III BARRICADE

W

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 5	SHEET 212	E



PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 5	SHEET 213	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025451_TC_STAGE5_WEST.DWG
LAYOUT NAME - SHEET - (1)
PLOT DATE : 8/7/2018 11:15 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

N

PC: 51+63.28WB'S5'

PT: 53+24.16WB'S5'

PC: 56+13.08WB'S5'

PT: 57+74.41WB'S5'

STH 128

C/L TEMPORARY EB LANES

C/L TEMPORARY WB LANES

W04-3R

INL

48WB'S5' 50WB'S5' 52WB'S5' 54WB'S5' 56WB'S5' 58WB'S5' 60WB'S5' 62WB'S5'

48EB'S5' 50EB'S5' 52EB'S5' 54EB'S5' 56EB'S5' 58EB'S5' 60EB'S5' 62EB'S5'

IH 94

255 260 265

PC: 51+65.16EB'S5'

PT: 53+26.38EB'S5'

PC: 56+15.30EB'S5'

PT: 57+76.29EB'S5'

STH 128

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

EXIT

E5-1
72"X60"

C/L TEMPORARY WB LANES

C/L TEMPORARY EB LANES

SIGN

EXIT 28

128

Glenwood City
Elmwood

SIGN FIXED MESSAGE

64WB'S5' 66WB'S5' 68WB'S5' 70WB'S5' 72WB'S5' 74WB'S5' 76WB'S5' 78WB'S5'

64EB'S5' 66EB'S5' 68EB'S5' 70EB'S5' 72EB'S5' 74EB'S5' 76EB'S5' 78EB'S5'

IH 94

270 275 280

EB CONCRETE PAVEMENT GAP

TEMPORARY EB ON-RAMP FROM STH 128

W01-4L

W04-3R

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 5	SHEET 214	E

2

N

PI: 81+52.31WB'S5'

PI: 81+54.14EB'S5'

C/L TEMPORARY WB LANES

C/L TEMPORARY EB LANES

SIGN

PC: 89+44.87EB'S5'

PT: 92+19.13EB'S5'

PI: 93+54.75WB'S5'
BEGIN TAPER

80WB'S5' 82WB'S5' 84WB'S5' 86WB'S5' 88WB'S5' 90WB'S5' 92WB'S5' 94WB'S5'

80EB'S5' 82EB'S5' 84EB'S5' 86EB'S5' 88EB'S5' 90EB'S5' 92EB'S5' 94EB'S5'

IH 94

INL

285 290 295

W04-5

TEMPORARY EB ON-RAMP
FROM STH 128

TEMPORARY EMERGENCY PULLOUT REQ'D.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

RIGHT SHOULDER CLOSED

W21-5-A

W01-4BR

PROPOSED C/L
IH 94 WB LANES

C/L TEMPORARY WB LANES

SIGN

PI: 99+54.80WB'S5'
END TAPER

96WB'S5' 98WB'S5' 100WB'S5' 102WB'S5' 104WB'S5' 106WB'S5' 108WB'S5' 110WB'S5'

PC: 98+20.23EB'S5'

PT: 100+94.48EB'S5'

96EB'S5' 98EB'S5' 100EB'S5' 102EB'S5' 104EB'S5' 106EB'S5' 108EB'S5' 110EB'S5'

C/L TEMPORARY EB LANES

300 305 310 315

IH 94

SIGN

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 5	SHEET 215	E

53rd AVE

310th ST.

NEW WB STRUCTURE
B-55-247

PROPOSED C/L
IH 94 WB LANES

SIGN

RIGHT SHOULDER CLOSED AHEAD
W21-5-B

N

112WB'S5' 114WB'S5' 116WB'S5' 118WB'S5' 120WB'S5' 122WB'S5' 124WB'S5' 126WB'S5'

IH 94

C/L TEMPORARY EB LANES

112EB'S5' 114EB'S5' 116EB'S5' 118EB'S5' 120EB'S5' 122EB'S5' 124EB'S5' 126EB'S5'

W05-52L
12"X36"

W05-52R
12"X36"

TEMPORARY STRUCTURE
CONSTRUCTED IN STAGE 2

320 325 330

TEMPORARY EMERGENCY PULLOUT REQ'D.

SIGN

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

PROPOSED C/L
IH 94 WB LANES

PC: 138+88.59WB'S5'

128WB'S5' 130WB'S5' 132WB'S5' 134WB'S5' 136WB'S5' 138WB'S5' 140WB'S5'

IH 94

C/L TEMPORARY EB LANES

PC: 138+91.12EB'S5'

128EB'S5' 130EB'S5' 132EB'S5' 134EB'S5' 136EB'S5' 138EB'S5' 140EB'S5'

335 340 345

SIGN

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 5	SHEET 216	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025451_TC_STAGE5_WEST.DWG
LAYOUT NAME - SHEET - (7)
PLOT DATE : 8/7/2018 11:16 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

53rd AVE

53rd AVE

N

PROPOSED C/L
IH 94 WB LANES

142WB'S5' 144WB'S5' 146WB'S5' 148WB'S5' 150WB'S5' 152WB'S5' 154WB'S5' 156WB'S5'

IH 94

C/L TEMPORARY EB LANES

142EB'S5' 144EB'S5' 146EB'S5' 148EB'S5' 150EB'S5' 152EB'S5' 154EB'S5' 156EB'S5'

INL

350 355 360

IH 94

IH 94

TEMPORARY EMERGENCY PULLOUT REQ'D.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

PT: 160+61.34WB'S5'

N

PROPOSED C/L
IH 94 WB LANES

158WB'S5' 160WB'S5' 162WB'S5' 164WB'S5' 166WB'S5' 168WB'S5' 170WB'S5' 172WB'S5'

IH 94

PT: 160+52.24EB'S5'

C/L TEMPORARY EB LANES

158EB'S5' 160EB'S5' 162EB'S5' 164EB'S5' 166EB'S5' 168EB'S5' 170EB'S5' 172EB'S5'

INL

365 370 375

IH 94

IH 94

TEMPORARY EMERGENCY PULLOUT REQ'D.

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 5	SHEET 217	E

2

SIGN

PROPOSED C/L
IH 94 WB LANES

C/L TEMPORARY EB LANES

174WB'S5' 176WB'S5' 178WB'S5' 180WB'S5' 182WB'S5' 184WB'S5' 186WB'S5' 188WB'S5'

174EB'S5' 176EB'S5' 178EB'S5' 180EB'S5' 182EB'S5' 184EB'S5' 186EB'S5' 188EB'S5'

380 385 390

IH 94

N

NEW WB STRUCTURE
B-55-245

50th AVE.

W05-52L
12"X36"

W05-52R
12"X36"

RIPRAP

TEMPORARY STRUCTURE
CONSTRUCTED IN STAGE 2

PT: 8+65.81

80th CT.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

PROPOSED C/L
IH 94 WB LANES

PC: 192+72.46WB'S5'

190WB'S5' 192WB'S5' 194WB'S5' 196WB'S5' 198WB'S5' 200WB'S5' 202WB'S5' 204WB'S5'

C/L TEMPORARY EB LANES

PC: 193+26.65EB'S5'

190EB'S5' 192EB'S5' 194EB'S5' 196EB'S5' 198EB'S5' 200EB'S5' 202EB'S5' 204EB'S5

C/L TEMPORARY WB LANES

395 400 405

IH 94

SIGN

IXL

TEMPORARY EMERGENCY PULLOUT REQ'D.

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 5	SHEET 218	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025451_TC_STAGE5_WEST.DWG
LAYOUT NAME - SHEET - (11)
PLOT DATE : 8/7/2018 11:17 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

C/L TEMPORARY WB LANES

C/L TEMPORARY EB LANES

CRASH CUSHION TEMPORARY

PT: 216+20.39WB'S5'

PT: 216+82.77EB'S5'

204WB'S5' 206WB'S5' 208WB'S5' 210WB'S5' 212WB'S5' 214WB'S5' 216WB'S5' 218WB'S5'

204EB'S5' 206EB'S5' 208EB'S5' 210EB'S5' 212EB'S5' 214EB'S5' 216EB'S5' 218EB'S5'

IH 94

410 415 420

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

C/L TEMPORARY WB LANES

C/L TEMPORARY EB LANES

TEMPORARY EMERGENCY PULLOUT REQ'D.

SIGN

220WB'S5' 222WB'S5' 224WB'S5' 226WB'S5' 228WB'S5' 230WB'S5' 232WB'S5' 234WB'S5'

220EB'S5' 222EB'S5' 224EB'S5' 226EB'S5' 228EB'S5' 230EB'S5' 232EB'S5' 234EB'S5'

IH 94

425 430 435

SIGN

RIPRAP

TEMPORARY EMERGENCY PULLOUT REQ'D.

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 5	SHEET 219	E

2

2

C/L TEMPORARY WB LANES

C/L TEMPORARY EB LANES

RIPRAP

SIGN

PI: 248+79.61EB'S5'

PI: 249+07.94WB'S5'

236WB'S5' 238WB'S5' 240WB'S5' 242WB'S5' 244WB'S5' 246WB'S5' 248WB'S5' 250WB'S5'

236EB'S5' 238EB'S5' 240EB'S5' 242EB'S5' 244EB'S5' 246EB'S5' 248EB'S5' 250EB'S5'

IH 94

INL

445 450 455

EXIT 32

Q

Knapp

SIGN FIXED MESSAGE

RIPRAP

SIGN

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

PC: 255+12.48EB'S5'

CRASH CUSHION TEMPORARY

PC: 255+44.59WB'S5'

252WB'S5' 254WB'S5' 256WB'S5' 258WB'S5' 260WB'S5' 262WB'S5' 264WB'S5' 266WB'S5'

252EB'S5' 254EB'S5' 256EB'S5' 258EB'S5' 260EB'S5' 262EB'S5' 264EB'S5' 266EB'S5'

C/L TEMPORARY WB LANES

C/L TEMPORARY EB LANES

460 465 470

EB CONCRETE PAVEMENT GAP

EXIT

E5-1
72"X60"

TEMPORARY EB OFF-RAMP TO COUNTY O

SIGN

TEMPORARY EMERGENCY PULLOUT REQ'D.

EB CONCRETE PAVEMENT GAP

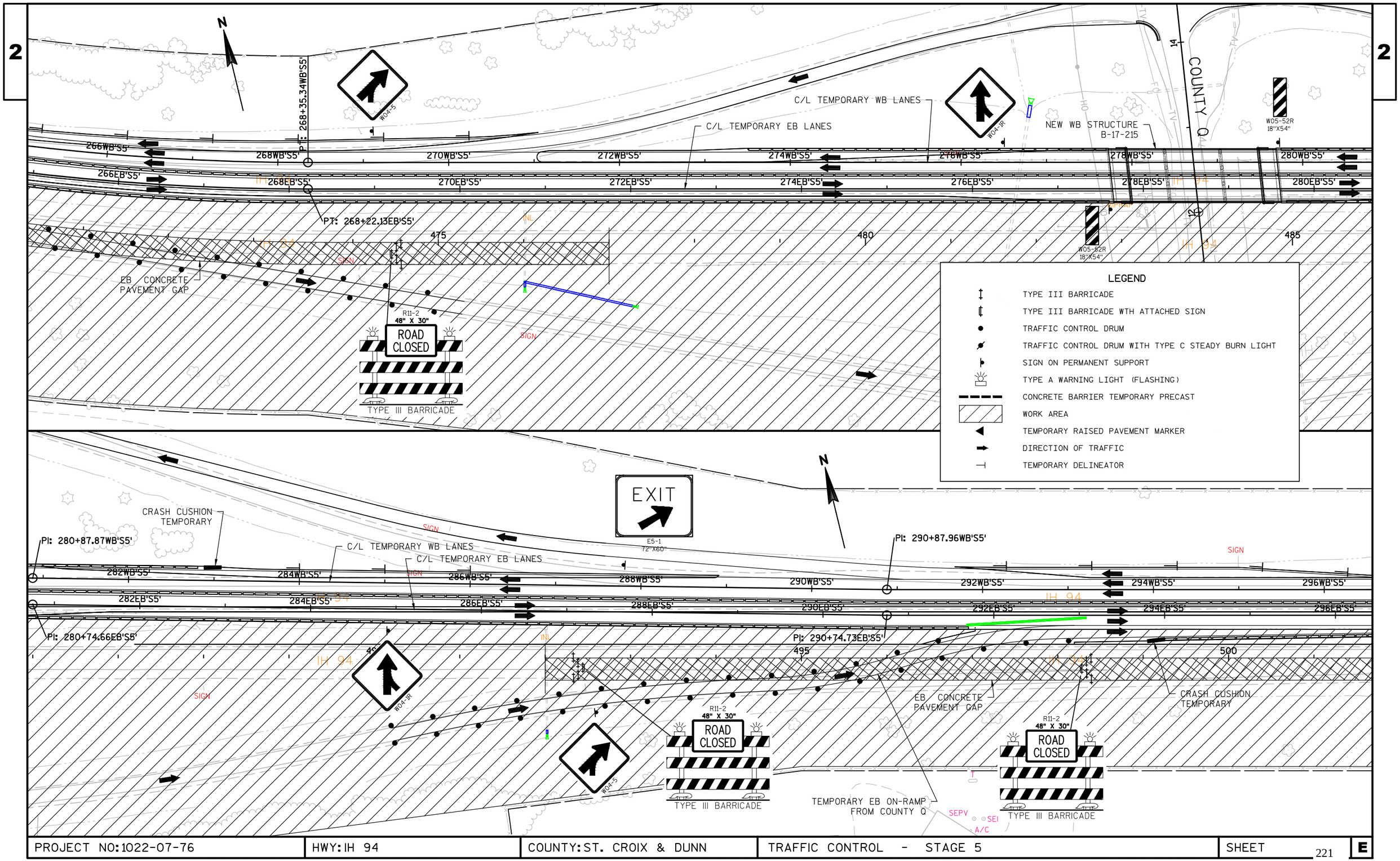
PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 5	SHEET 220	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025451_TC_STAGE5_WEST.DWG
LAYOUT NAME - SHEET - (15)

PLOT DATE : 8/7/2018 11:18 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 5	SHEET 221	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025451_TC_STAGE5_WEST.DWG
LAYOUT NAME - SHEET - (17)
PLOT DATE : 8/7/2018 11:18 AM
PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

EXIT 32
Q
Knapp
SIGN FIXED MESSAGE

C/L TEMPORARY WB LANES
C/L TEMPORARY EB LANES
TEMPORARY EMERGENCY PULLOUT REQ'D.

PC: 299+17.91WB'S5'
PC: 299+04.68EB'S5'
PT: 310+60.24WB'S5'
PT: 310+41.12EB'S5'

298WB'S5' 300WB'S5' 302WB'S5' 304WB'S5' 306WB'S5' 308WB'S5' 310WB'S5' 312WB'S5'
298EB'S5' 300EB'S5' 302EB'S5' 304EB'S5' 306EB'S5' 308EB'S5' 310EB'S5' 312EB'S5'

IH 94
505
510
515

EB CONCRETE PAVEMENT GAP

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

CTH Q

C/L TEMPORARY WB LANES
C/L TEMPORARY EB LANES

314WB'S5' 316WB'S5' 318WB'S5' 320WB'S5' 322WB'S5' 324WB'S5' 326WB'S5'
314EB'S5' 316EB'S5' 318EB'S5' 320EB'S5' 322EB'S5' 324EB'S5' 326EB'S5'

IH 94
520
525
530

SIGN
SIGN
SIGN

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 5	SHEET 222	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025451_TC_STAGE5_WEST.DWG
LAYOUT NAME - SHEET - (19)

PLOT DATE : 8/7/2018 11:19 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

2

2

PC: 331+09.14EB'S5'

PC: 331+28.27WB'S5'

C/L TEMPORARY WB LANES

C/L TEMPORARY EB LANES

TEMPORARY EMERGENCY PULLOUT REQ'D.

328WB'S5' 330WB'S5' 332WB'S5' 334WB'S5' 336WB'S5' 338WB'S5' 340WB'S5' 342WB'S5'

328EB'S5' 330EB'S5' 332EB'S5' 334EB'S5' 336EB'S5' 338EB'S5' 340EB'S5' 342EB'S5'

94 94 IH 94 IH 94

535 540 545

SIGN

TEMPORARY EMERGENCY PULLOUT REQ'D.

N

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

PT: 348+35.70WB'S5'

PT: 348+25.65EB'S5'

C/L TEMPORARY EB LANES

C/L TEMPORARY WB LANES

344WB'S5' 346WB'S5' 348WB'S5' 350WB'S5' 352WB'S5' 354WB'S5' 356WB'S5' 358WB'S5'

344EB'S5' 346EB'S5' 348EB'S5' 350EB'S5' 352EB'S5' 354EB'S5' 356EB'S5' 358EB'S5

IH 94 IH 94 IH 94 IH 94

550 555 560

W01-4bR

55 M.P.H.

W013-1 36"X36"

N

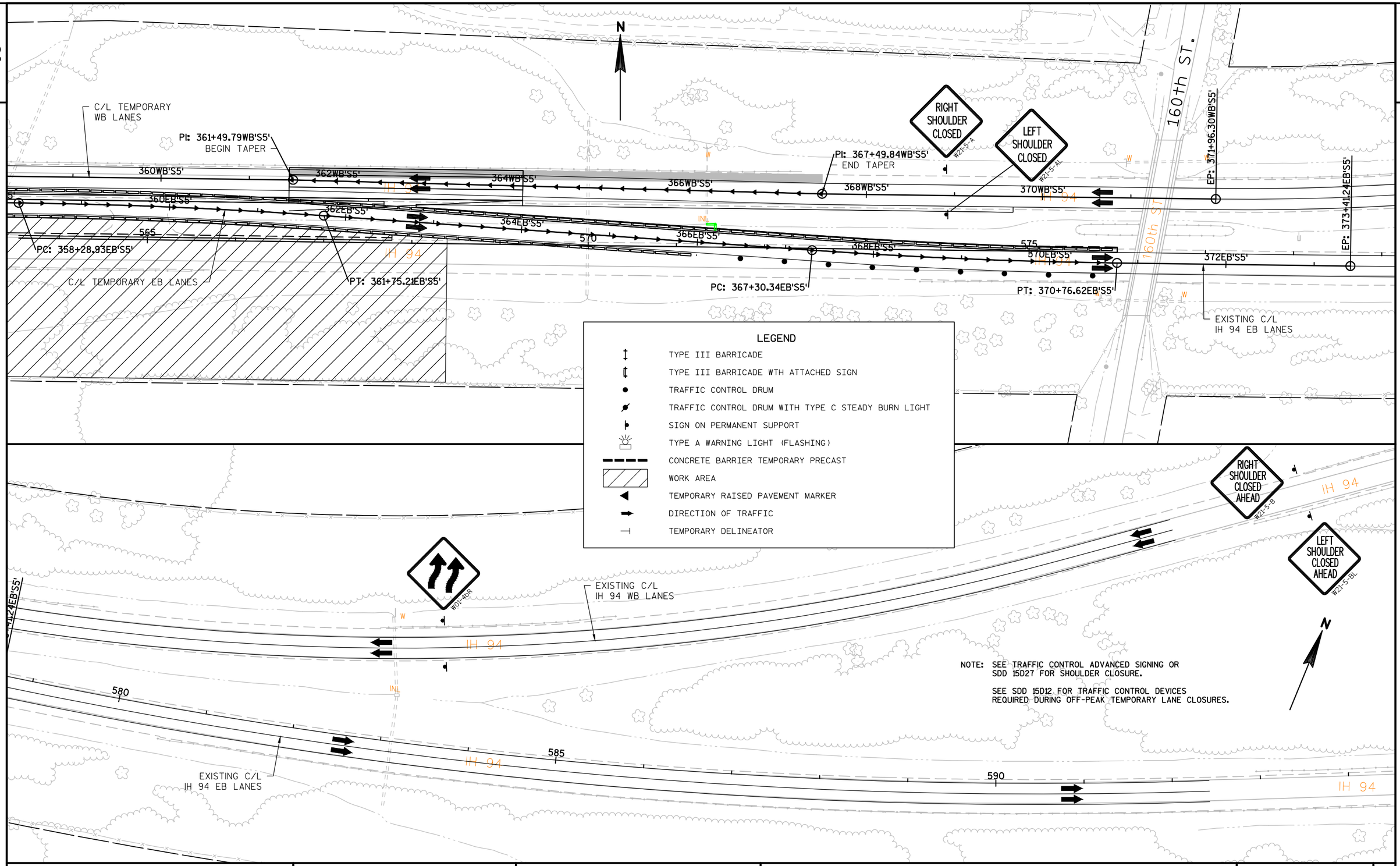
PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 5	SHEET 223	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025451_TC_STAGE5_WEST.DWG
LAYOUT NAME - SHEET - (21)

PLOT DATE : 8/7/2018 11:19 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

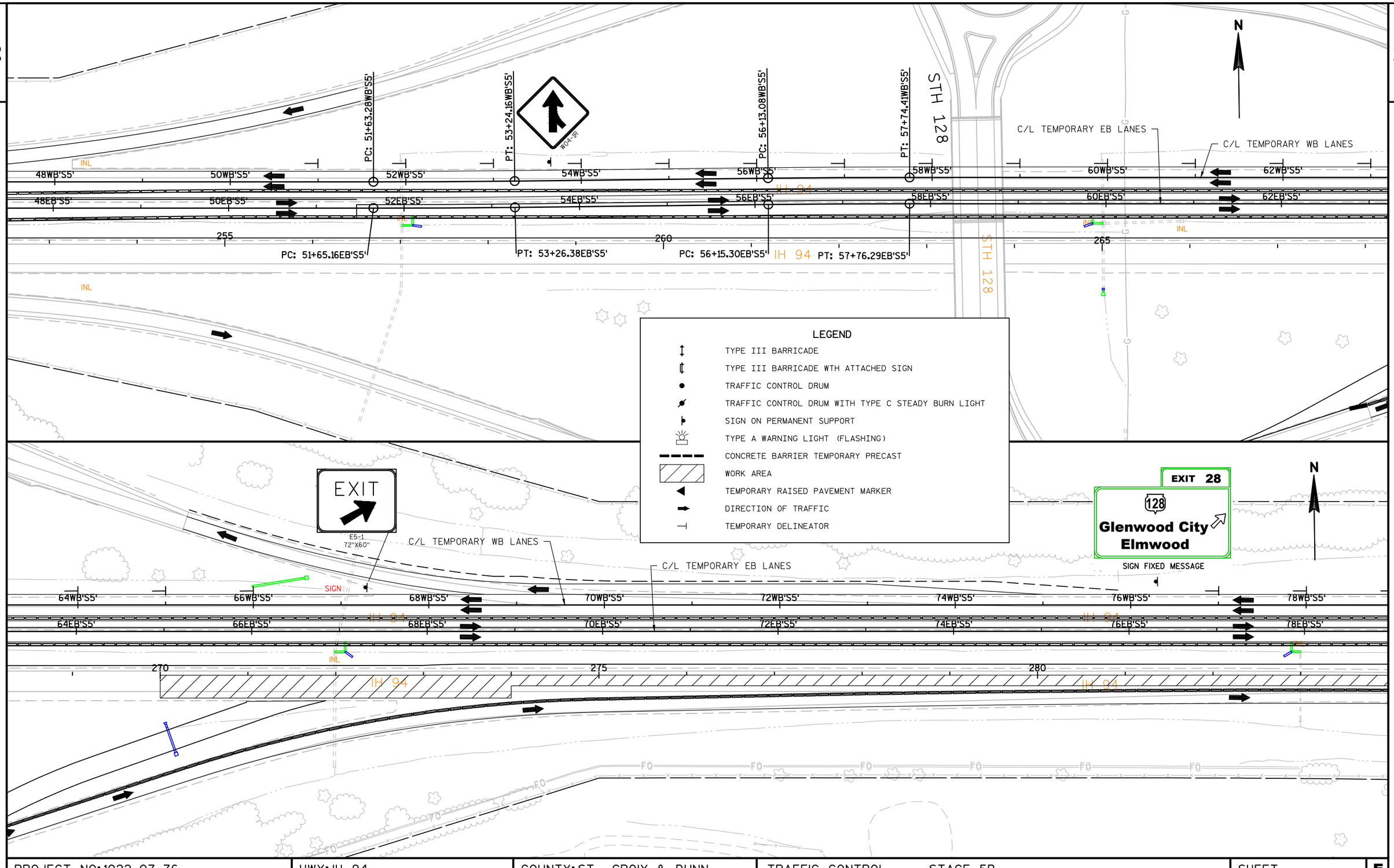
WISDOT/CADDS SHEET 44



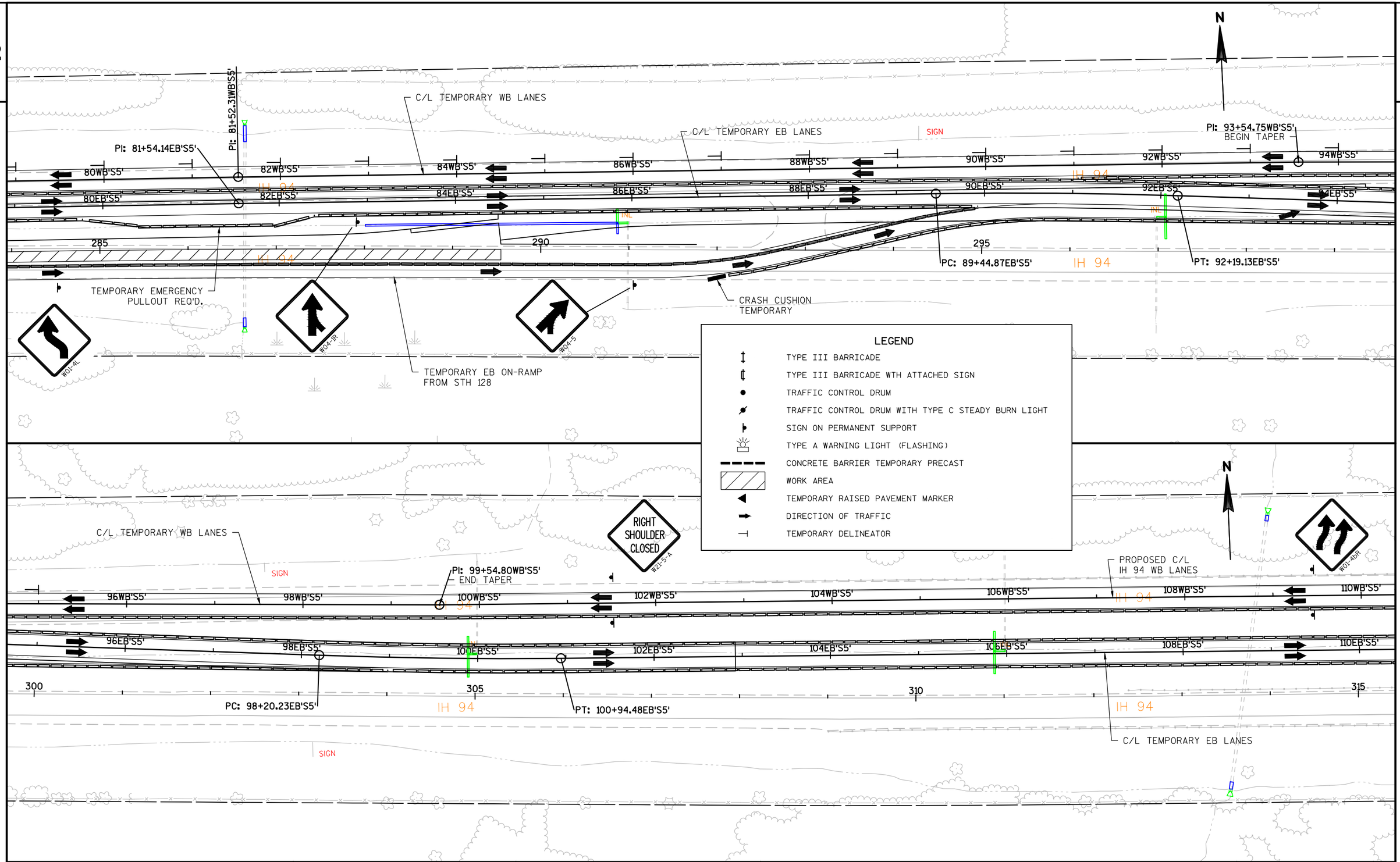
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 5	SHEET 224	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025451_TC_STAGE5_WEST.DWG
LAYOUT NAME - SHEET - (23)
PLOT DATE : 8/7/2018 11:20 AM
PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2



PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST.. CROIX & DUNN	TRAFFIC CONTROL - STAGE 5B	SHEET 225	E



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST.. CROIX & DUNN	TRAFFIC CONTROL - STAGE 5B	SHEET 226	E

2

NOTE: SEE TRAFFIC CONTROL ADVANCED SIGNING OR SDD 15D27 FOR SHOULDER CLOSURE.

SEE SDD 15D12 FOR TRAFFIC CONTROL DEVICES REQUIRED DURING OFF-PEAK TEMPORARY LANE CLOSURES.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

EXISTING C/L IH 94 WB LANES

PI: 5+22.37WB'S6' BEGIN TAPER

PI: 11+22.43WB'S6' END TAPER

C/L TEMPORARY WB LANES

2WB'S6' 4WB'S6' 6WB'S6' 8WB'S6' 10WB'S6' 12WB'S6' 14WB'S6' 16WB'S6'

210 215 220

IH 94

INL

CRASH CUSHION TEMPORARY

STA. 207'XEB'+22.51

2EB'S6' 4EB'S6' 6EB'S6' 8EB'S6' 10EB'S6' 12EB'S6' 14EB'S6' 16EB'S6'

BEGIN TAPER
PI: 2+22.51EB'S6'

END TAPER
PI: 10+22.55EB'S6'

C/L TEMPORARY EB LANES

SIGN

EXISTING C/L IH 94 EB LANES

LEFT SHOULDER CLOSED W21-5-AL

RIGHT SHOULDER CLOSED W21-5-A

STA. 203'XEB'+00

W01-4BR

TWO W01-4BR SIGNS REQ'D. STA. 197'XEB'+00

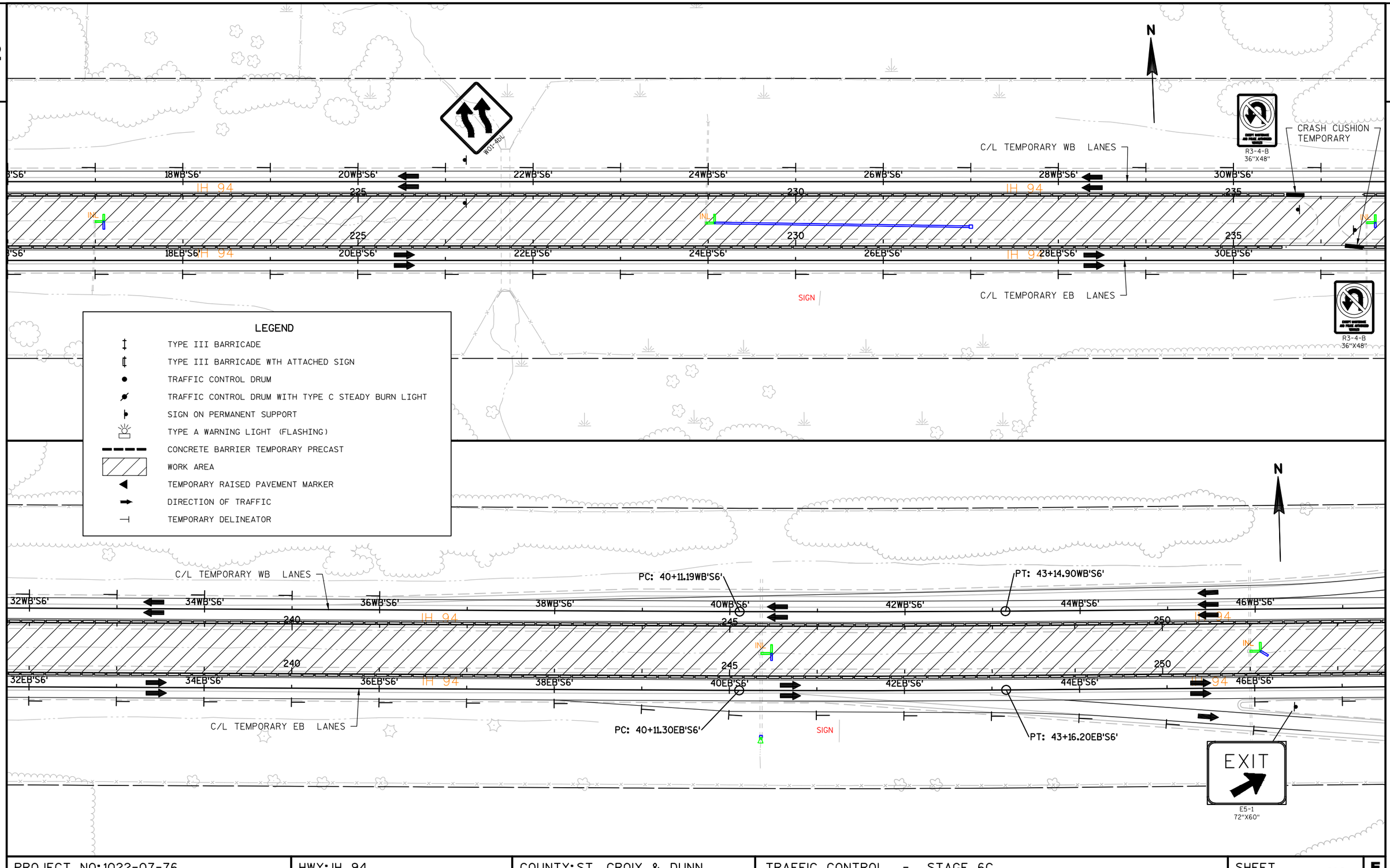
LEFT SHOULDER CLOSED AHEAD W21-5-BL

RIGHT SHOULDER CLOSED AHEAD W21-5-B

STA. 187'XEB'+00

W

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 6C	SHEET 227	E



PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 6C	SHEET 228	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025461_TC_STAGE6C_WEST.DWG
LAYOUT NAME - SHEET - (1)
PLOT DATE : 8/7/2018 11:35 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

N

STH 128

C/L TEMPORARY WB LANES

48WB'S6' 50WB'S6' 52WB'S6' 54WB'S6' 56WB'S6' 58WB'S6' 60WB'S6' 62WB'S6'

PC: 51+63.21WB'S6'

PT: 53+24.10WB'S6'

PC: 56+13.02WB'S6'

PT: 57+74.34WB'S6'

255 260 265

IH 94

INL

48EB'S6' 50EB'S6' 52EB'S6' 54EB'S6' 56EB'S6' 58EB'S6' 60EB'S6' 62EB'S6'

PC: 51+64.71EB'S6'

PT: 53+25.67EB'S6'

PC: 56+14.28EB'S6'

PT: 57+75.69EB'S6'

C/L TEMPORARY EB LANES

W04-1R

LEGEND

	TYPE III BARRICADE
	TYPE III BARRICADE WTH ATTACHED SIGN
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	SIGN ON PERMANENT SUPPORT
	TYPE A WARNING LIGHT (FLASHING)
	CONCRETE BARRIER TEMPORARY PRECAST
	WORK AREA
	TEMPORARY RAISED PAVEMENT MARKER
	DIRECTION OF TRAFFIC
	TEMPORARY DELINEATOR

EXIT

E5-1
72"X60"

SIGN

C/L TEMPORARY WB LANES

EXIT 28

128

Glenwood City
Elmwood

SIGN FIXED MESSAGE

64WB'S6' 66WB'S6' 68WB'S6' 70WB'S6' 72WB'S6' 74WB'S6' 76WB'S6' 78WB'S6'

270 275 280

64EB'S6' 66EB'S6' 68EB'S6' 70EB'S6' 72EB'S6' 74EB'S6' 76EB'S6' 78EB'S6'

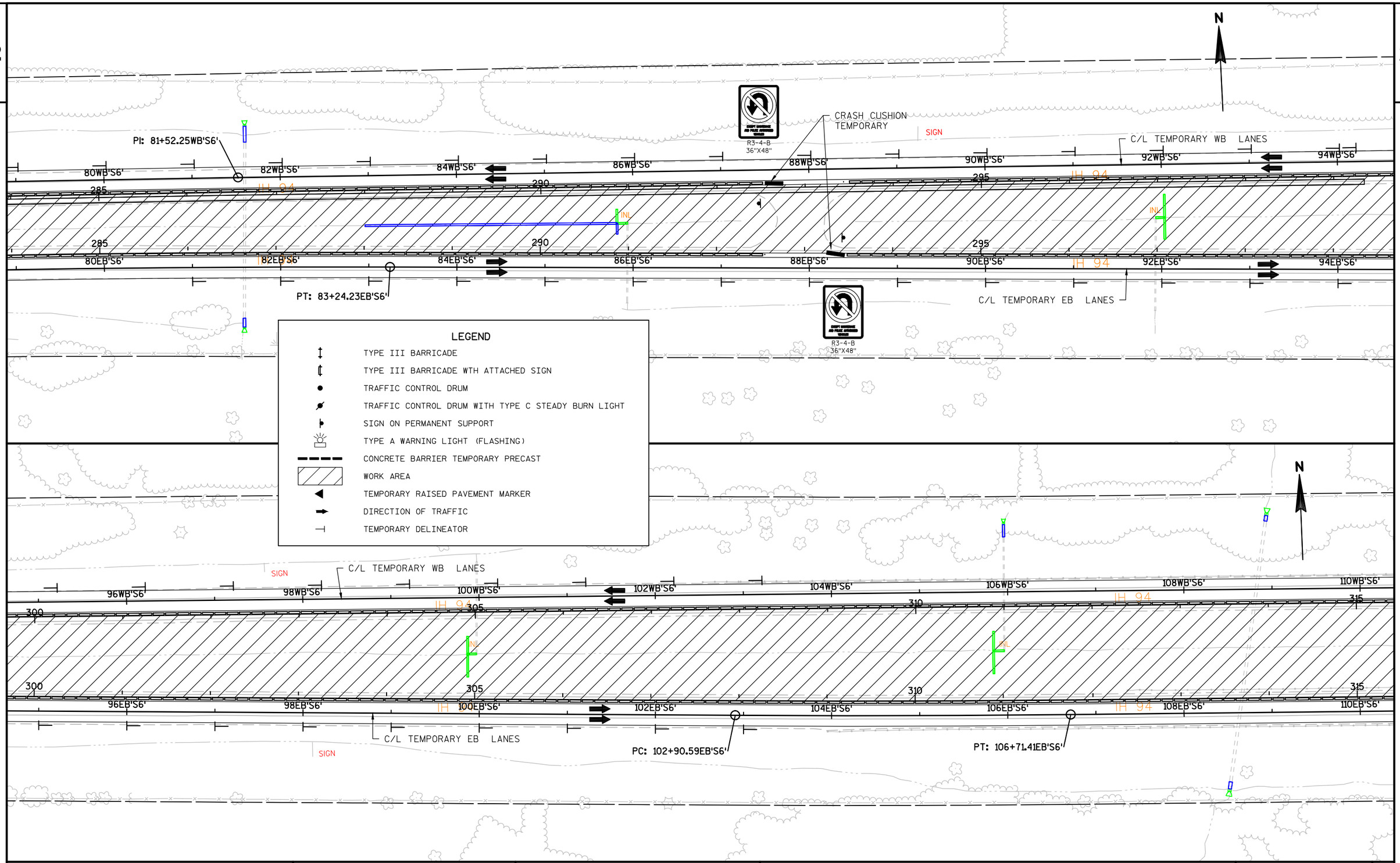
C/L TEMPORARY EB LANES

PC: 78+52.25EB'S6'

FO

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 6C	SHEET	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025461_TC_STAGE6C_WEST.DWG
LAYOUT NAME - SHEET - (3)
PLOT DATE : 8/7/2018 11:35 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 6C	SHEET 230	E

2

53rd AVE

310th ST.

NEW WB STRUCTURE
B-55-247

W05-52R
18"X54"

SIGN

C/L TEMPORARY WB LANES

112WB'S6' 114WB'S6' 116WB'S6' 118WB'S6' 120WB'S6' 122WB'S6' 124WB'S6' 126WB'

IH 94

320 325 330

112EB'S6' 114EB'S6' 116EB'S6' 118EB'S6' 120EB'S6' 122EB'S6' 124EB'S6' 126EB'

NEW EB STRUCTURE
B-55-248

W05-52R
18"X54"

C/L TEMPORARY EB LANES

N

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

SIGN

C/L TEMPORARY WB LANES

PC: 138+88.47WB'S6'

128WB'S6' 130WB'S6' 132WB'S6' 134WB'S6' 136WB'S6' 138WB'S6' 140WB'S6'

IH 94

335 340 345

128EB'S6' 130EB'S6' 132EB'S6' 134EB'S6' 136EB'S6' 138EB'S6' 140EB'S6'

C/L TEMPORARY EB LANES

PC: 138+89.69EB'S6'

SIGN

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 6C	SHEET 231	E

2

53rd AVE

53rd AVE

N

C/L TEMPORARY WB LANES

142WB'S6' 144WB'S6' 146WB'S6' 148WB'S6' 150WB'S6' 152WB'S6' 154WB'S6' 156WB'S6'

IH 94

350 355 360

INL

INL

350 355 360

142EB'S6' 144EB'S6' 146EB'S6' 148EB'S6' 150EB'S6' 152EB'S6' 154EB'S6' 156EB'S6'

IH 94

C/L TEMPORARY EB LANES

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

PT: 160+62.72WB'S6'

C/L TEMPORARY WB LANES

158WB'S6' 160WB'S6' 162WB'S6' 164WB'S6' 166WB'S6' 168WB'S6' 170WB'S6' 172WB'S6'

IH 94

365 370 375

INL

INL

365 370 375

158EB'S6' 160EB'S6' 162EB'S6' 164EB'S6' 166EB'S6' 168EB'S6' 170EB'S6' 172EB'S6'

IH 94

IH 94

C/L TEMPORARY EB LANES

PT: 160+37.68EB'S6'

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 6C	SHEET 232	E

2

SIGN

C/L TEMPORARY WB LANES

NEW WB STRUCTURE B-55-245

50th AVE.

W05-52R 18"X54"

174WB'S6' 176WB'S6' 178WB'S6' 180WB'S6' 182WB'S6' 184WB'S6' 186WB'S6' 188WB'S6'

380 385 390

IH 94

RIPRAP

INL

174EB'S6' 176EB'S6' 178EB'S6' 180EB'S6' 182EB'S6' 184EB'S6' 186EB'S6' 188EB'S6'

C/L TEMPORARY EB LANES

NEW EB STRUCTURE B-55-246

W05-52R 18"X54"

PT: 8+65.81

CORSEMAN DR

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

C/L TEMPORARY WB LANES

PC: 192+53.85WB'S6'

190WB'S6' 192WB'S6' 194WB'S6' 196WB'S6' 198WB'S6' 200WB'S6' 202WB'S6' 204WB'S6'

395 400 405

IH 94

SIGN

INL

190EB'S6' 192EB'S6' 194EB'S6' 196EB'S6' 198EB'S6' 200EB'S6' 202EB'S6' 204E

PC: 193+28.55EB'S6'

C/L TEMPORARY EB LANES

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 6C	SHEET 233	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025461_TC_STAGE6C_WEST.DWG
LAYOUT NAME - SHEET - (11)

PLOT DATE : 8/7/2018 11:37 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

C/L TEMPORARY WB LANES

PT: 216+04.89WB'S6'

204WB'S6' 206WB'S6' 208WB'S6' 210WB'S6' 212WB'S6' 214WB'S6' 216WB'S6' 218WB'S6'

410 415 420

IH 94

204EB'S6' 206EB'S6' 208EB'S6' 210EB'S6' 212EB'S6' 214EB'S6' 216EB'S6' 218EB'S6'

410 415 420

C/L TEMPORARY EB LANES

PT: 216+73.03EB'S6'

TEMPORARY EMERGENCY PULLOUT REQ'D.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

R3-4-B 36"X48"

SIGN

CRASH CUSHION TEMPORARY

220WB'S6' 222WB'S6' 224WB'S6' 226WB'S6' 228WB'S6' 230WB'S6' 232WB'S6' 234WB'S6'

425 430 435

IH 94

220EB'S6' 222EB'S6' 224EB'S6' 226EB'S6' 228EB'S6' 230EB'S6' 232EB'S6' 234EB'S6'

425 430 435

C/L TEMPORARY WB LANES

TEMPORARY EMERGENCY PULLOUT REQ'D.

C/L TEMPORARY EB LANES

RIPRAP

R3-4-B 36"X48"

SIGN

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 6C	SHEET 234	E

2

RIPRAP

R3-4-B
36"X48"

CRASH CUSHION
TEMPORARY

SIGN

C/L TEMPORARY WB LANES

236WB'S6' 238WB'S6' 240WB'S6' 242WB'S6' 244WB'S6' 246WB'S6' 248WB'S6' 250WB'S6'

IH 94

445 450 455

INL

236EB'S6' 238EB'S6' 240EB'S6' 242EB'S6' 244EB'S6' 246EB'S6' 248EB'S6' 250EB'S6'

RIPRAP

R3-4-B
36"X48"

SIGN

C/L TEMPORARY EB LANES

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

C/L TEMPORARY WB LANES

PC: 254+85.72WB'S6'

252WB'S6' 254WB'S6' 256WB'S6' 258WB'S6' 260WB'S6' 262WB'S6' 264WB'S6' 266WB'S6'

460 465 470

IH 94

INL

OEB'S6' 252EB'S6' 254EB'S6' 256EB'S6' 258EB'S6' 260EB'S6' 262EB'S6' 264EB'S6'

C/L TEMPORARY EB LANES

PC: 254+22.53EB'S6'

SIGN

EXIT 32
Q
Knapp

SIGN FIXED MESSAGE

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 6C	SHEET 235	E

2

PT: 268+44.78WB'S6'

PT: 268+48.60EB'S6'

266WB'S6' 268WB'S6' 270WB'S6' 272WB'S6' 274WB'S6' 276WB'S6' 278WB'S6' 280WB'S6'

266EB'S6' 268EB'S6' 270EB'S6' 272EB'S6' 274EB'S6' 276EB'S6' 278EB'S6' 280EB'S6'

IH 94

475 480 485

INL

SIGN

EXIT

E5-1
72"X60"

W04-1R

C/L TEMPORARY WB LANES

C/L TEMPORARY EB LANES

NEW WB STRUCTURE
B-17-215

NEW EB STRUCTURE
B-17-214

COUNTY Q

N

MH

SEPV

SEPC

A/C

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

EXIT

E5-1
72"X60"

282WB'S6' 284WB'S6' 286WB'S6' 288WB'S6' 290WB'S6' 292WB'S6' 294WB'S6' 296WB'S6'

282EB'S6' 284EB'S6' 286EB'S6' 288EB'S6' 290EB'S6' 292EB'S6' 294EB'S6' 296EB'S6'

IH 94

490 495 500

C/L TEMPORARY WB LANES

C/L TEMPORARY EB LANES

SIGN

INL

W04-1R

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 6C	SHEET 236	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025461_TC_STAGE6C_WEST.DWG
LAYOUT NAME - SHEET - (17)

PLOT DATE : 8/7/2018 11:38 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

EXIT 32
Q
Knapp
SIGN FIXED MESSAGE

PC: 299+27.26WB'S6'
PC: 299+49.88EB'S6'
PT: 310+69.59WB'S6'
PT: 310+76.18EB'S6'

C/L TEMPORARY WB LANES
C/L TEMPORARY EB LANES
TEMPORARY EMERGENCY PULLOUT REQ'D.
CRASH CUSHION TEMPORARY

298WB'S6' 300WB'S6' 302WB'S6' 304WB'S6' 306WB'S6' 308WB'S6' 310WB'S6' 312WB'S6'
298EB'S6' 300EB'S6' 302EB'S6' 304EB'S6' 306EB'S6' 308EB'S6' 310EB'S6'
505 510 515

IH 94

R3-4-B 36"X48"

CTH Q

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

C/L TEMPORARY WB LANES
C/L TEMPORARY EB LANES
TEMPORARY EMERGENCY PULLOUT REQ'D.

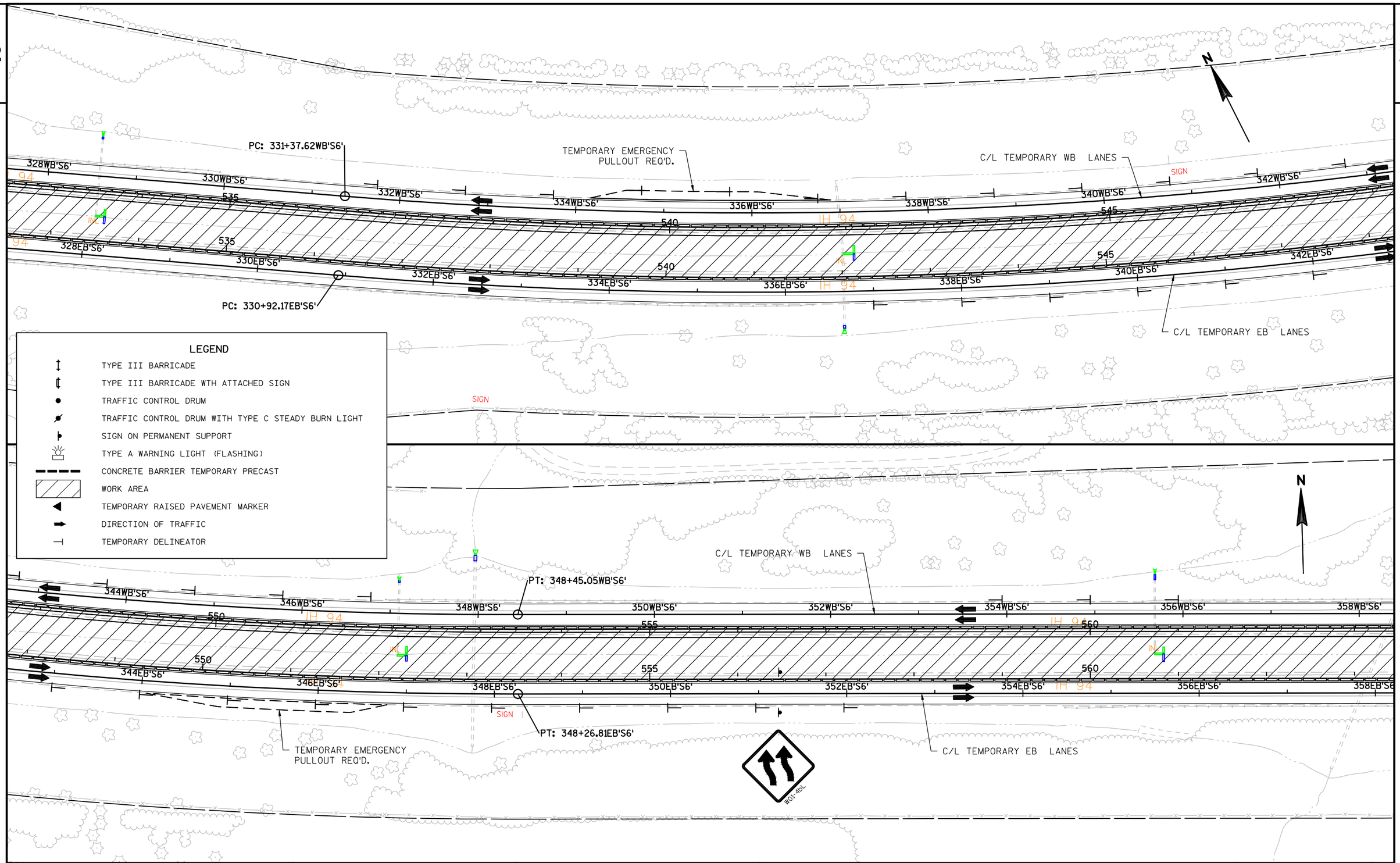
312EB'S6' 314EB'S6' 316EB'S6' 318EB'S6' 320EB'S6' 322EB'S6' 324EB'S6' 326EB'S6'
314WB'S6' 316WB'S6' 318WB'S6' 320WB'S6' 322WB'S6' 324WB'S6' 326WB'S6'
520 525 530

IH 94

SIGN

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 6C	SHEET 237	E

2



PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 6C	SHEET 238	E

2

N

C/L TEMPORARY WB LANES

PI: 361+59.14WB'S6'
BEGIN TAPER

360WB'S6'
362WB'S6'
364WB'S6'
366WB'S6'
368WB'S6'
370WB'S6'
372WB'S6'

565
570
575

IH 94

PI: 367+59.19WB'S6'
END TAPER

EXISTING C/L
IH 94 WB LANES

CRASH CUSHION
TEMPORARY

EP: 372+05.65WB'S6'

160th ST.

RIGHT
SHOULDER
CLOSED
W21-5-A

LEFT
SHOULDER
CLOSED
W21-5-AL

360EB'S6'
362EB'S6'
364EB'S6'
366EB'S6'
368EB'S6'
370EB'S6'
372EB'S6'

BEGIN TAPER
PI: 361+36.89EB'S6'

END TAPER
PI: 367+36.95EB'S6'

C/L TEMPORARY
EB LANES

EXISTING C/L
IH 94 EB LANES

EP: 373+41.16EB'S6'

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

RIGHT
SHOULDER
CLOSED
AHEAD
W21-5-B

LEFT
SHOULDER
CLOSED
AHEAD
W21-5-BL

W01-4DR

EXISTING C/L
IH 94 WB LANES

580
585
590

EXISTING C/L
IH 94 EB LANES

NOTE: SEE TRAFFIC CONTROL ADVANCED SIGNING OR SDD 15D27 FOR SHOULDER CLOSURE.

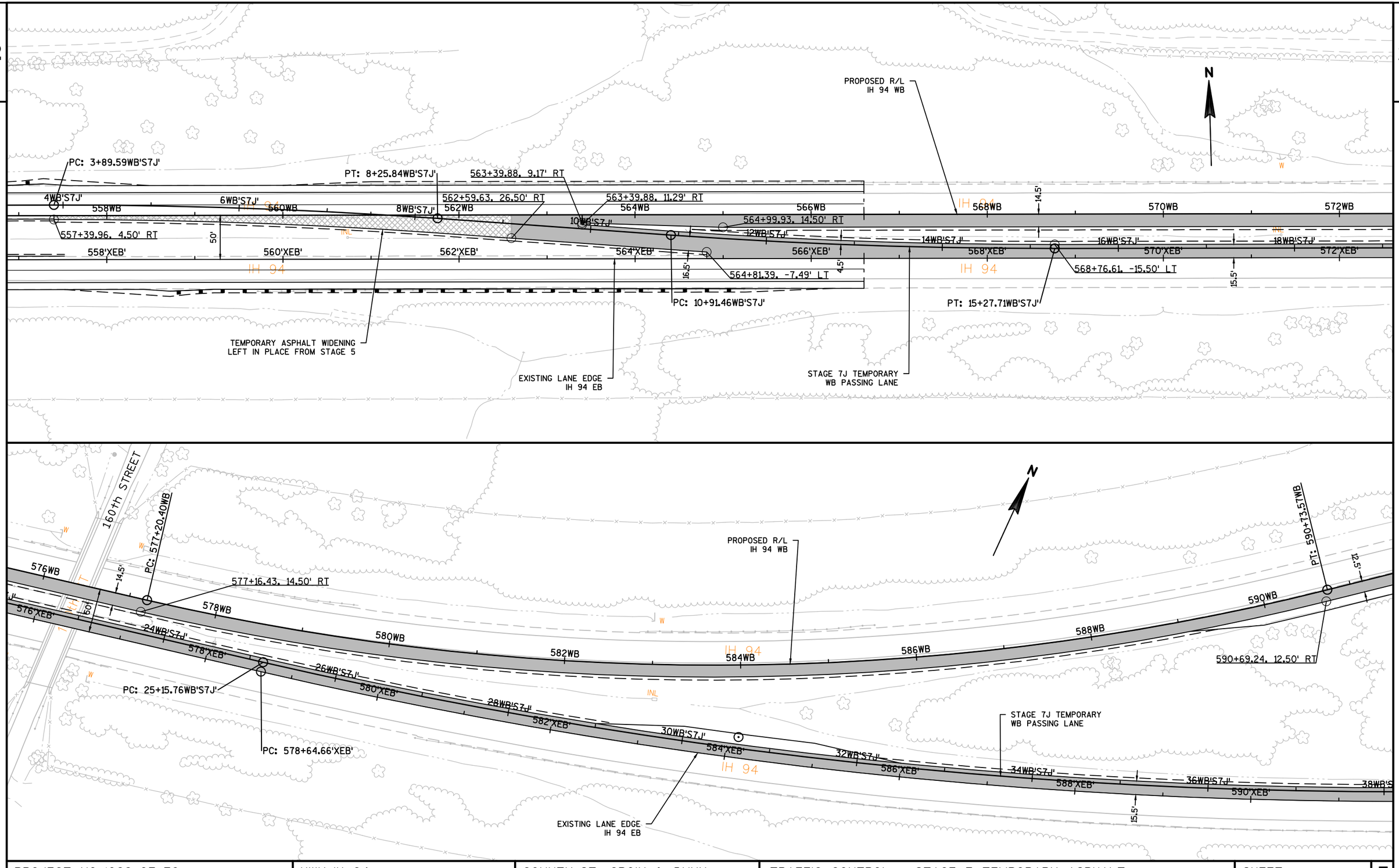
SEE SDD 15D12 FOR TRAFFIC CONTROL DEVICES REQUIRED DURING OFF-PEAK TEMPORARY LANE CLOSURES.

N

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 6C	SHEET 239	E

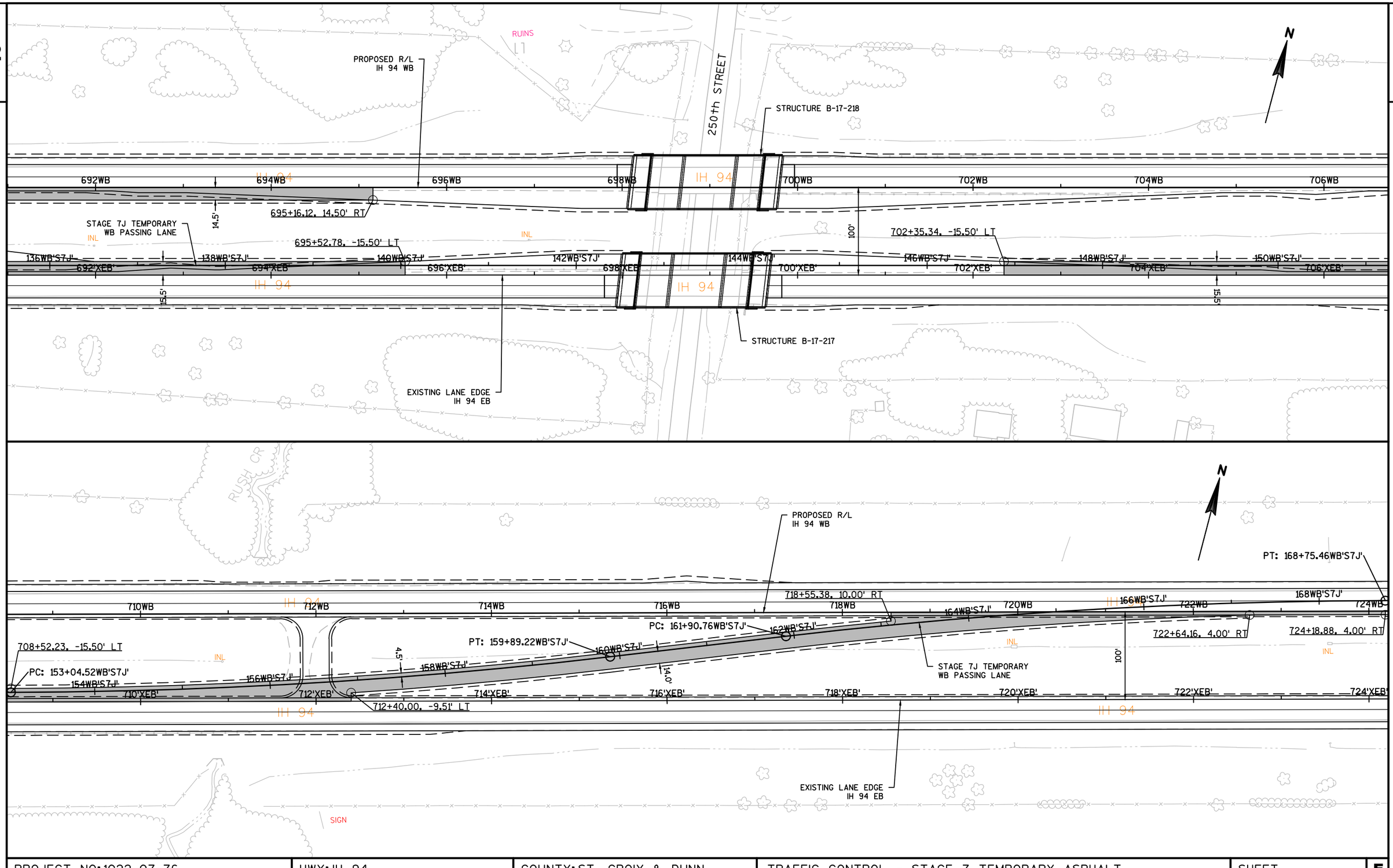
FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025461_TC_STAGE6C_WEST.DWG
LAYOUT NAME - SHEET - (23)
PLOT DATE : 8/7/2018 11:39 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:100 FT

2



PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 7 TEMPORARY ASPHALT	SHEET 240	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025470_TC_STAGE7_TEMP_ASPH.DWG
LAYOUT NAME - 025470_TC_STAGE7_TEMP_ASPH - SHEET - (1)
PLOT DATE : 8/31/2018 11:46 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 7 TEMPORARY ASPHALT	SHEET 241	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025470_TC_STAGE7_TEMP_ASPH.DWG
LAYOUT NAME - 025470_TC_STAGE7_TEMP_ASPH - SHEET - (3)
PLOT DATE : 8/31/2018 11:47 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

NOTE: SEE TRAFFIC CONTROL ADVANCED SIGNING OR SDD 15D27 FOR SHOULDER CLOSURE.

SEE SDD 15D12 FOR TRAFFIC CONTROL DEVICES REQUIRED DURING OFF-PEAK TEMPORARY LANE CLOSURES.

N

550'XWB'
IH 94
552'XWB'
550
IH 94
INL
STA BACK = 553+42.80'XWB'
STA AHEAD = 553+50.37'XWB'
PT: 553+50.37'XWB'
554'XWB'
EXISTING C/L
IH 94 WB LANES
556'XWB'
558'XWB'
IH 94
560'XWB'
562'XWB'
564'XW
PI: 7+07.81EB'S7'
INL
555
2EB'S7'
4EB'S7'
CRASH CUSHION
TEMPORARY
560
6EB'S7'
IH 94
8EB'S7'
10EB'S7'
SIGN
EXISTING C/L
IH 94 EB LANES
BEGIN TAPER
C/L TEMPORARY EB LANES
BP: 0+00.00EB'S7'
W01-4bR
LEFT SHOULDER CLOSED
W21-5-AL
RIGHT SHOULDER CLOSED
W21-5-A
LEFT SHOULDER CLOSED AHEAD
W21-5-BL
RIGHT SHOULDER CLOSED AHEAD
W21-5-B
STA. 540'XEB'+50

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 7F	SHEET 242	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025471_TC_STAGE7F_WEST.DWG
LAYOUT NAME - SHEET - (22)
PLOT DATE : 7/17/2018 10:58 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

2

N

160th ST.

EXISTING LANE EDGE
IH 94 WB

564'XWB' 566'XWB' 568'XWB' 570'XWB' 572'XWB' 574'XWB' 576'XWB' 578'XWB'

565 570 575

IH 94

12EB'S7' 14EB'S7' 16EB'S7' 18EB'S7' 20EB'S7' 22EB'S7' 24EB'S7'

END TAPER
PI: 13+07.87EB'S7'

C/L TEMPORARY EB LANES

PC: 577+10.92'XWB'

PC: 25+14.34EB'S7'

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

EXISTING LANE EDGE
IH 94 WB

580'XWB' 582'XWB' 584'XWB' 586'XWB' 588'XWB' 590'XWB' 592'XWB' 594'XWB'

580 585 590

IH 94

26EB'S7' 28EB'S7' 30EB'S7' 32EB'S7' 34EB'S7' 36EB'S7' 38EB'S7' 40EB'S7'

C/L TEMPORARY EB LANES

PT: 590+69.75'XWB'

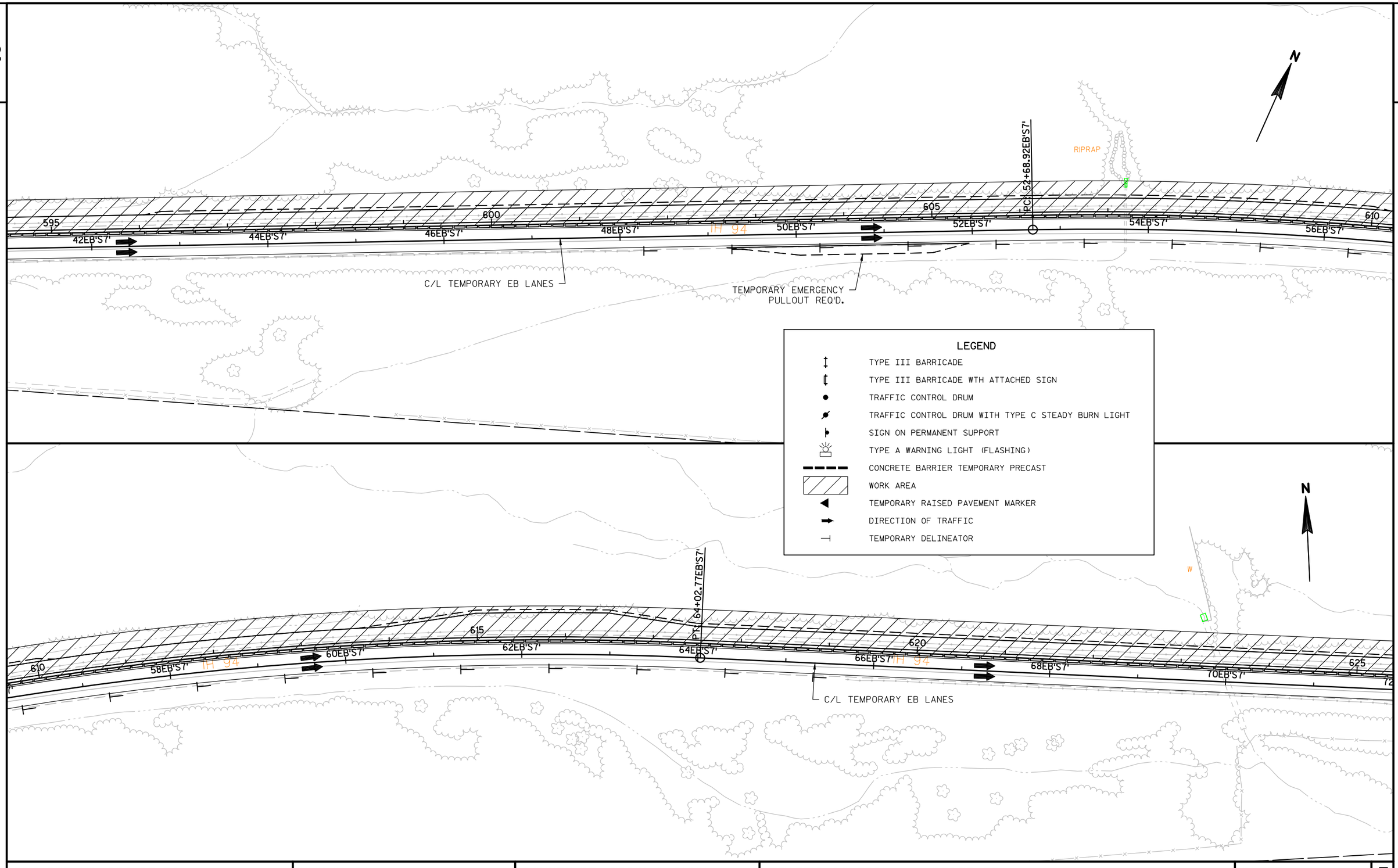
STA BACK = 590+72.74'XWB'
STA AHEAD = 590+73.57'XWB'

PT: 38+96.36EB'S7'

N

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 7F	SHEET 243	E

2



PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 7F	SHEET 244	E

2

2

EXISTING LANE EDGE
IH 94 WB

PC: 600+35.01'XWB'

IH 94

596'XWB'
598'XWB'
600'XWB'
602'XWB'
604'XWB'
606'XWB'
608'XWB'
610'XWB'

N

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

EXISTING LANE EDGE
IH 94 WB

IH 94

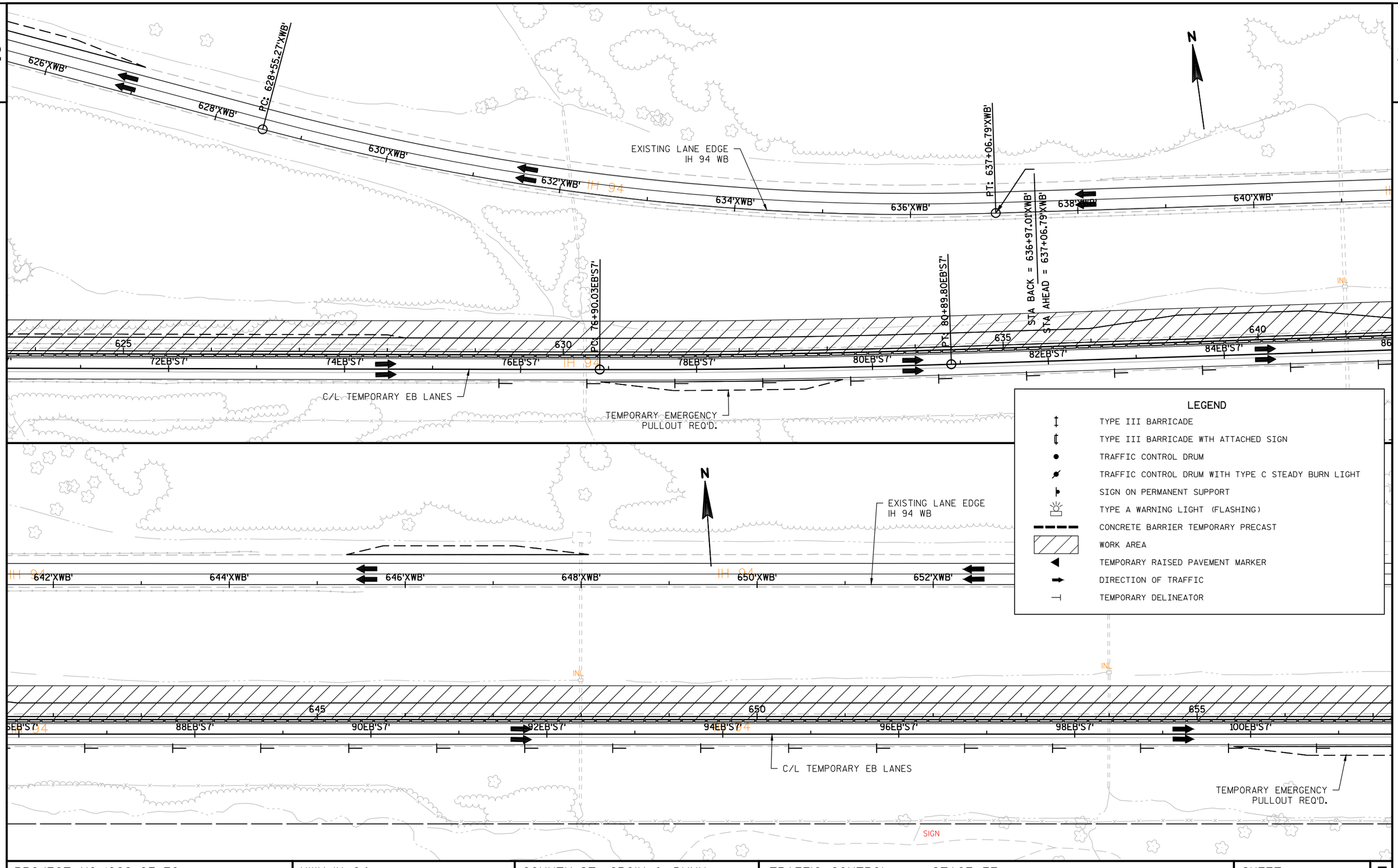
610'XWB'
612'XWB'
614'XWB'
616'XWB'
618'XWB'
620'XWB'
622'XWB'
624'XWB'

PT: 622+76.87'XWB'

STA BACK = 622+79.23'XWB'
STA AHEAD = 622+76.87'XWB'

N

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 7F	SHEET 245	E



PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 7F	SHEET 246	E

2

2

EXISTING LANE EDGE
IH 94 WB

PC: 660+24.29'XWB'

660'XWB'

662'XWB'

664'XWB'

666'XWB'

668'XWB'

670'XWB'

672'XWB'

IH 94

IN

102EB'S7'

104EB'S7'

106EB'S7'

108EB'S7'

110EB'S7'

112EB'S7'

114EB'S7'

116EB'S7'

660

665

670

PC: 101+71.36EB'S7'

C/L TEMPORARY EB LANES

N

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

674'XWB'

676'XWB'

678'XWB'

680'XWB'

682'XWB'

684'XWB'

686'XWB'

688'XWB'

PT: 6

STA BACK = 679+05.11'XWB'

STA AHEAD = 679+12.75'XWB'

118EB'S7'

120EB'S7'

122EB'S7'

124EB'S7'

126EB'S7'

128EB'S7'

130EB'S7'

132EB'S7'

675

680

685

PT: 120+51.52EB'S7'

TEMPORARY EMERGENCY
PULLOUT REQ'D.

EXISTING LANE EDGE
IH 94 WB

C/L TEMPORARY EB LANES

N

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 7F	SHEET 247	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025471_TC_STAGE7F_WEST.DWG
LAYOUT NAME - SHEET - (31)

PLOT DATE : 7/17/2018 11:00 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

RUINS

250th ST.

N

EXISTING LANE EDGE
IH 94 WB

EXISTING WB STRUCTURE

690'XWB' 692'XWB' 694'XWB' 696'XWB' 698'XWB' 700'XWB' 702'XWB' 704'

IH 94

INL

690 695 700

134EB'S7' 136EB'S7' 138EB'S7' 140EB'S7' 142EB'S7' 144EB'S7' 146EB'S7' 148EB'S7'

C/L TEMPORARY EB LANES

EXISTING EB STRUCTURE

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

EXISTING LANE EDGE
IH 94 WB

XWB' 706'XWB' 708'XWB' 710'XWB' 712'XWB' 714'XWB' 716'XWB' 718'XWB'

IH 94

INL

705 710 715

150EB'S7' 152EB'S7' 154EB'S7' 156EB'S7' 158EB'S7' 160EB'S7' 162EB'S7' 164EB'S7'

C/L TEMPORARY EB LANES

BEGIN TAPER

PI: 162+21.79EB'S7'

W01-4BL

SIGN

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 7F	SHEET 248	E

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

LEFT SHOULDER CLOSED AHEAD W21-5-BL

TWO W21-5-BL SIGNS REQ'D.
STA. 748'XWB'+00

LEFT SHOULDER CLOSED W21-5-AL

TWO W21-5-AL SIGNS REQ'D.
STA. 738'XWB'+00

EXISTING LANE EDGE IH 94 WB

EXISTING LANE EDGE IH 94 WB

720'XWB' IH 94 722'XWB' 724'XWB' 726'XWB' 728'XWB' IH 94 730'XWB' 732'XWB' 734'XWB'

INL

PI: 168+21.84EB'S7'

720 725 730

164EB'S7' IH 94 166EB'S7' 168EB'S7' 170EB'S7' 172EB'S7' IH 94 174EB'S7' 176EB'S7' 178EB'S7'

STA. BACK = 733+39.10'XWB'
STA. AHEAD = 733+40.99'XWB'
BEC: 733+40.99'XWB'

END TAPER

C/L TEMPORARY EB LANES

EXISTING C/L IH 94 EB LANES

EP: 178+58.56EB'S7'

NOTE: SEE TRAFFIC CONTROL ADVANCED SIGNING OR SDD 15D27 FOR SHOULDER CLOSURE.

SEE SDD 15D12 FOR TRAFFIC CONTROL DEVICES REQUIRED DURING OFF-PEAK TEMPORARY LANE CLOSURES.

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

NOTE: SEE TRAFFIC CONTROL ADVANCED SIGNING OR SDD 15D27 FOR SHOULDER CLOSURE.

SEE SDD 15D12 FOR TRAFFIC CONTROL DEVICES REQUIRED DURING OFF-PEAK TEMPORARY LANE CLOSURES.

N

FLEXIBLE TUBULAR MARKERS AT 25' SPACING

BP: 0+00.00WB'S7J'

PC: 3+89.59WB'S7J'

PI: 7+07.81WB'S7J'

EXISTING C/L IH 94 WB LANES

BEGIN TAPER

TEMPORARY WB DRIVING LANE

PT: 8+25.84WB'S7J'

TEMPORARY WB PASSING LANE

CRASH CUSHION TEMPORARY

550

555

IH 94

INL

2WB'S7J'

4WB'S7J'

6WB'S7J'

8WB'S7J'

10WB'S7J'

2EB'S7'

4EB'S7'

6EB'S7'

8EB'S7'

10EB'S7'

BP: 0+00.00EB'S7'

SIGN

EXISTING C/L IH 94 EB LANES

BEGIN TAPER

PI: 7+07.81EB'S7'

C/L TEMPORARY EB LANES

W01-4DR

LEFT SHOULDER CLOSED W21-5-AL

RIGHT SHOULDER CLOSED W21-5-A

LEFT SHOULDER CLOSED AHEAD W21-5-BL

RIGHT SHOULDER CLOSED AHEAD W21-5-B

STA. 540'XEB'+50

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 7J	SHEET 250	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025472_TC_STAGE7J_WEST.DWG
LAYOUT NAME - SHEET - (22)

PLOT DATE : 7/20/2018 2:11 PM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

N

160th ST.

W06-2 MOD.

PI: 13+07.87WB'S7J'

END TAPER

PC: 10+91.46WB'S7J'

PI: 15+27.7WB'S7J'

TEMPORARY WB DRIVING LANE

TEMPORARY EMERGENCY PULLOUT REQ'D.

W01-4L

PC: 23+60.60WB'S7J'

W01-4R

W013-1 36"X36"

55 M.P.H.

PC: 25+15.76WB'S7J'

12WB'S7J' 14WB'S7J' 16WB'S7J' 18WB'S7J' 20WB'S7J' 22WB'S7J' 24WB'S7J'

565 570 575

12EB'S7' 14EB'S7' 16EB'S7' 18EB'S7' 20EB'S7' 22EB'S7' 24EB'S7'

IH 94

W01-6 SIZE

TYPE III BARRICADE

END TAPER

PI: 13+07.87EB'S7'

C/L TEMPORARY EB LANES

TEMPORARY WB PASSING LANE

PC: 25+14.34EB'S7'

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

PC: 25+15.76WB'S7J'

26WB'S7J' 28WB'S7J' 30WB'S7J' 32WB'S7J' 34WB'S7J' 36WB'S7J' 38WB'S7J' 40WB'S7J'

580 585 590

26EB'S7' 28EB'S7' 30EB'S7' 32EB'S7' 34EB'S7' 36EB'S7' 38EB'S7' 40EB'S7'

IH 94

TEMPORARY WB DRIVING LANE

PT: 37+09.99WB'S7J'

TEMPORARY EMERGENCY PULLOUT REQ'D.

TEMPORARY WB PASSING LANE

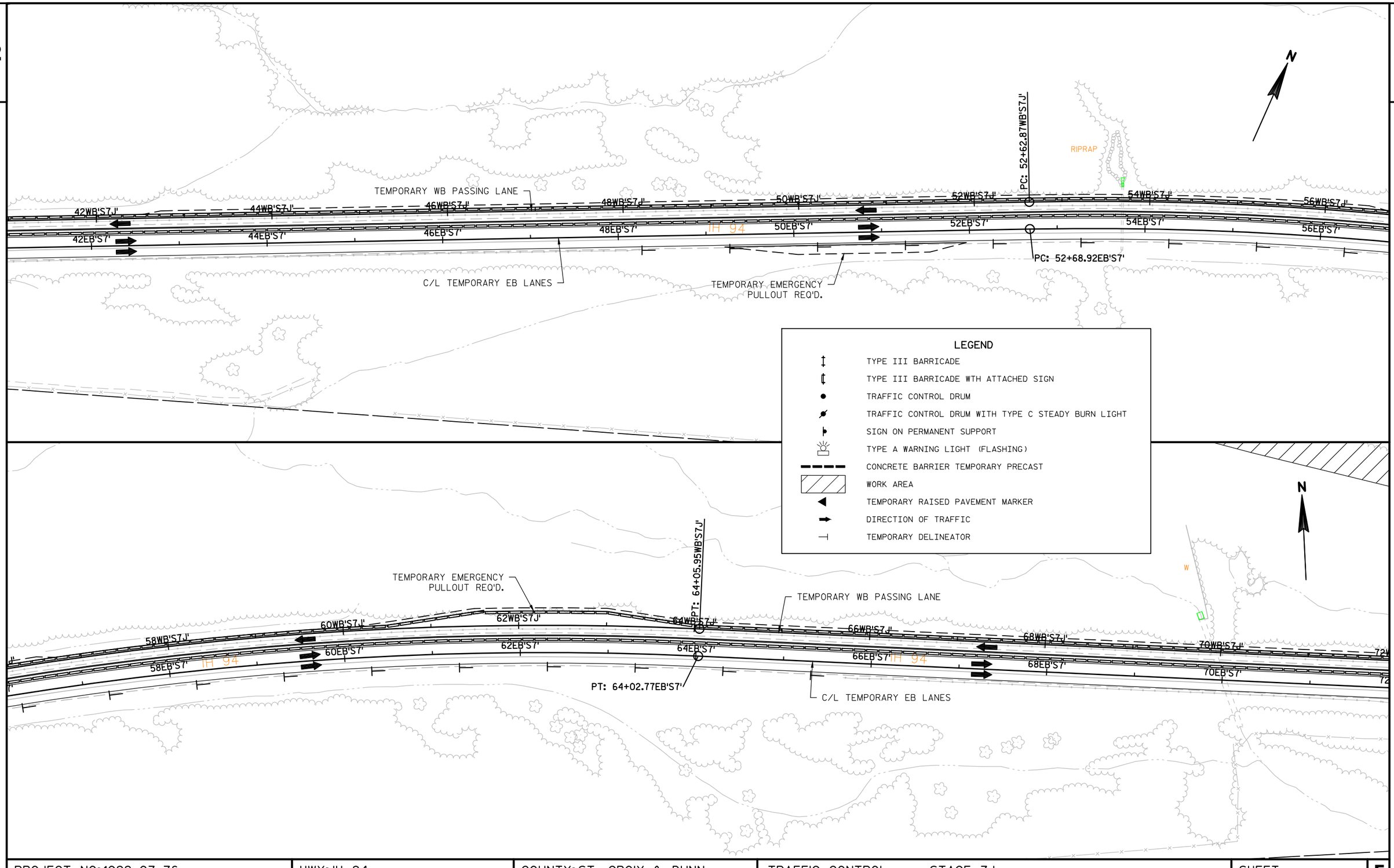
PT: 38+90.31WB'S7J'

C/L TEMPORARY EB LANES

PT: 38+96.36EB'S7'

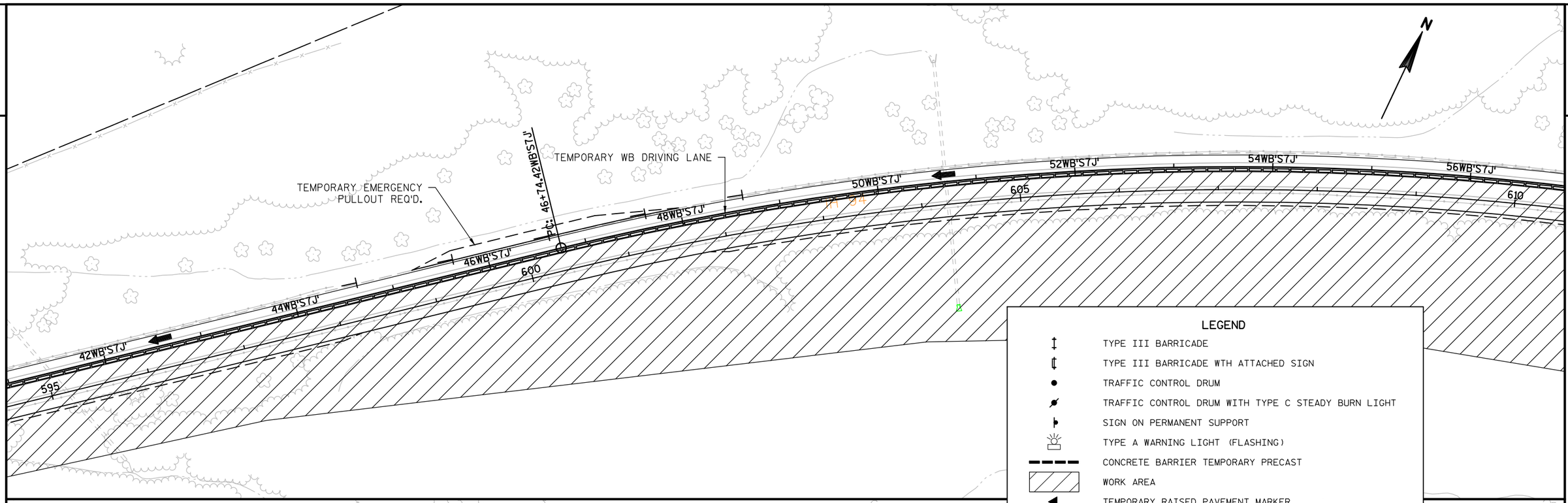
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 7J	SHEET 251	E

2



PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 7J	SHEET 252 E

2



PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 7J	SHEET 253	E

2

TEMPORARY EMERGENCY PULLOUT REQ'D.

PC: 75+12.77WB'S7J'

74WB'S7J'

76WB'S7J'

78WB'S7J'

630

TEMPORARY WB DRIVING LANE

80WB'S7J'

82WB'S7J'

PT: 83+48.65WB'S7J'

84WB'S7J'

86WB'S7J'

88WB

640

635

IH 94

PC: 76+93.2WB'S7J'

PT: 80+91.89WB'S7J'

INL

TEMPORARY EMERGENCY PULLOUT REQ'D.

TEMPORARY WB PASSING LANE

78WB'S7J'

80WB'S7J'

82WB'S7J'

84WB'S7J'

78EB'S7'

80EB'S7'

82EB'S7'

84EB'S7'

PC: 76+90.03EB'S7'

PT: 80+89.80EB'S7'

C/L TEMPORARY EB LANES

TEMPORARY EMERGENCY PULLOUT REQ'D.

N

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

TEMPORARY WB DRIVING LANE

TEMPORARY EMERGENCY PULLOUT REQ'D.

90WB'S7J'

92WB'S7J'

94WB'S7J'

96WB'S7J'

98WB'S7J'

100WB'S7J'

102WB'S7J'

645

650

655

IH 94

INL

N

88WB'S7J'

90WB'S7J'

92WB'S7J'

94WB'S7J'

96WB'S7J'

98WB'S7J'

100WB'S7J'

TEMPORARY WB PASSING LANE

88EB'S7'

90EB'S7'

92EB'S7'

94EB'S7'

96EB'S7'

98EB'S7'

100EB'S7'

C/L TEMPORARY EB LANES

TEMPORARY EMERGENCY PULLOUT REQ'D.

SIGN

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 7J	SHEET 254	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025472_TC_STAGE7J_WEST.DWG
LAYOUT NAME - SHEET - (29)

PLOT DATE : 7/20/2018 2:13 PM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

TEMPORARY WB DRIVING LANE

PC: 106+66.16WB'S7J'

104WB'S7J'

106WB'S7J'

IH 94

660

108WB'S7J'

110WB'S7J'

112WB'S7J'

665

IH 94

114WB'S7J'

116WB'S7J'

670

118WB'S7J'

PC: 101+73.45WB'S7J'

102WB'S7J'

TEMPORARY WB PASSING LANE

104WB'S7J'

106WB'S7J'

108WB'S7J'

110WB'S7J'

112WB'S7J'

114WB'S7J'

116WB'S7J'

TEMPORARY EMERGENCY PULLOUT REQ'D.

102EB'S7'

IH 94

104EB'S7'

106EB'S7'

108EB'S7'

110EB'S7'

IH 94

112EB'S7'

114EB'S7'

116EB'S7'

PC: 101+71.36EB'S7'

C/L TEMPORARY EB LANES

N

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

TEMPORARY EMERGENCY PULLOUT REQ'D.

120WB'S7J'

122WB'S7J'

675

IH 94

PT: 120+48.53WB'S7J'

124WB'S7J'

PT: 125+43.70WB'S7J'

126WB'S7J'

680

128WB'S7J'

TEMPORARY WB DRIVING LANE

130WB'S7J'

685

IH 94

132WB'S7J'

134WB'S7J'

118WB'S7J'

120WB'S7J'

122WB'S7J'

124WB'S7J'

TEMPORARY WB PASSING LANE

126WB'S7J'

128WB'S7J'

130WB'S7J'

132WB'S7J'

118EB'S7'

120EB'S7'

IH 94

122EB'S7'

124EB'S7'

126EB'S7'

128EB'S7'

IH 94

130EB'S7'

132EB'S7'

PT: 120+51.52EB'S7'

C/L TEMPORARY EB LANES

TEMPORARY EMERGENCY PULLOUT REQ'D.

N

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 7J	SHEET 255	E

2

PI: 136+30.95WB'S7J'

BEGIN TAPER

TEMPORARY WB DRIVING LANE

PI: 142+31.00WB'S7J'

END TAPER

EXISTING WB STRUCTURE

250th ST.

R11-2-L 48"X30"

LANE CLOSED

TYPE III BARRICADE

N

136WB'S7J' 138WB'S7J' 140WB'S7J' 142WB'S7J' 144WB'S7J' 146WB'S7J' 148WB'S7J' 150WB'S7J'

690 695 700

IH 94

TEMPORARY EMERGENCY PULLOUT REQ'D.

INL

TEMPORARY WB PASSING LANE

134WB'S7J' 136WB'S7J' 138WB'S7J' 140WB'S7J' 142WB'S7J' 144WB'S7J' 146WB'S7J' 148WB'S7J'

134EB'S7' 136EB'S7' 138EB'S7' 140EB'S7' 142EB'S7' 144EB'S7' 146EB'S7' 148EB'S7'

C/L TEMPORARY EB LANES

EXISTING EB STRUCTURE

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

R11-2-L 48"X30"

LANE CLOSED

TYPE III BARRICADE

W01-4R

N

W01-6 SIZE

TYPE III BARRICADE

EXISTING WB DRIVING LANE

152WB'S7J' 154WB'S7J' 156WB'S7J' 158WB'S7J' 160WB'S7J' 162WB'S7J' 164WB'S7J' 166WB

705 710 715

IH 94

PT: 159+89.22WB'S7J'

PC: 161+90.76WB'S7J'

TEMPORARY WB PASSING LANE

INL

PC: 153+04.52WB'S7J'

CRASH CUSHION TEMPORARY

150WB'S7J' 152WB'S7J' 154WB'S7J' 156WB'S7J' 158WB'S7J' 160WB'S7J' 162WB'S7J' 164WB'S7J'

150EB'S7' 152EB'S7' 154EB'S7' 156EB'S7' 158EB'S7' 160EB'S7' 162EB'S7' 164EB'S7'

C/L TEMPORARY EB LANES

BEGIN TAPER

PI: 162+21.79EB'S7'

W01-4DL

SIGN

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 7J	SHEET 256	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025472_TC_STAGE7J_WEST.DWG
LAYOUT NAME - SHEET - (33)

PLOT DATE : 7/20/2018 2:14 PM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

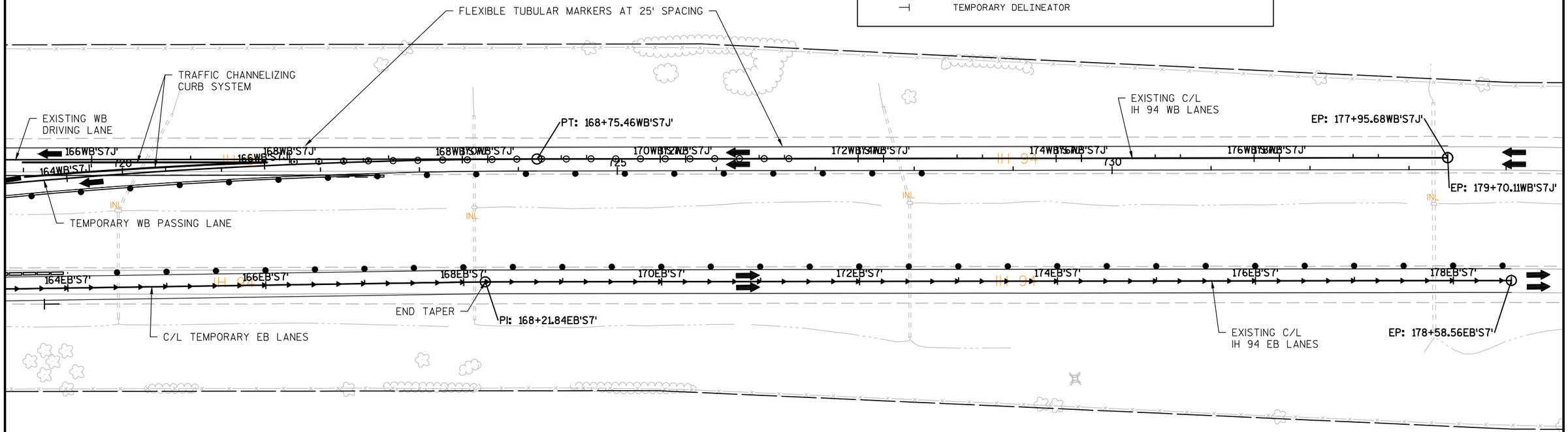
NOTE: SEE TRAFFIC CONTROL IH 94 LANE SPLIT DETAIL FOR ADDITIONAL SIGNS AND DEVICES.

SEE SDD 15D12 FOR TRAFFIC CONTROL DEVICES REQUIRED DURING OFF-PEAK TEMPORARY LANE CLOSURES.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N



PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 7J	SHEET 257	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

NOTE: SEE TRAFFIC CONTROL ADVANCED SIGNING OR SDD 15D27 FOR SHOULDER CLOSURE.

SEE SDD 15D12 FOR TRAFFIC CONTROL DEVICES REQUIRED DURING OFF-PEAK TEMPORARY LANE CLOSURES.

N

FLEXIBLE TUBULAR MARKERS AT 25' SPACING

BP: 0+00.00WB'S7M'

PC: 3+89.59WB'S7M'

PT: 5+89.50WB'S7M'

PC: 10+50.02WB'S7M'

EXISTING C/L IH 94 WB LANES

TEMPORARY WB DRIVING LANE

2WB'S7M'

4WB'S7M'

6WB'S7M'

8WB'S7M'

10WB'S7M'

550

555

560

IH 94

INL

PT: 8+25.84WB'S7M'

TEMPORARY WB PASSING LANE

CRASH CUSHION TEMPORARY

IH 94

2EB'S7M'

4EB'S7M'

6EB'S7M'

8EB'S7M'

10EB'S7M'

SIGN

BP: 0+00.00EB'S7M'

EXISTING C/L IH 94 EB LANES

BEGIN TAPER

PI: 7+07.81EB'S7M'

C/L TEMPORARY EB LANES

W01-4DR

LEFT SHOULDER CLOSED W21-5-AL

RIGHT SHOULDER CLOSED W21-5-A

LEFT SHOULDER CLOSED AHEAD W21-5-BL

RIGHT SHOULDER CLOSED AHEAD W21-5-B

STA. 540'XEB'+50

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 7M	SHEET 258	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025473_TC_STAGE7M_WEST.DWG
LAYOUT NAME - SHEET - (22)

PLOT DATE : 7/20/2018 2:18 PM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

N

W06-2 MOD.

W01-4R

W01-4R

W013-1
36"X36"

55
M.P.H.

W01-6
SIZE

TYPE III BARRICADE

PC: 10+50.02WB'S7M'

PC: 10+91.46WB'S7M'

PT: 12+49.92WB'S7M'

565

12WB'S7M'

12WB'S7M'

12EB'S7M'

14WB'S7M'

14EB'S7M'

END TAPER

PI: 13+07.87EB'S7M'

TEMPORARY WB DRIVING LANE

IH 94

570

16WB'S7M'

16WB'S7M'

16EB'S7M'

PT: 15+27.71WB'S7M'

18WB'S7M'

18WB'S7M'

18EB'S7M'

C/L TEMPORARY EB LANES

TEMPORARY WB PASSING LANE

20WB'S7M'

20WB'S7M'

20EB'S7M'

575

22WB'S7M'

22WB'S7M'

22EB'S7M'

PC: 23+66.39WB'S7M'

24WB'S7M'

24WB'S7M'

24EB'S7M'

PC: 25+14.34EB'S7M'

PC: 25+15.76WB'S7M'

160th ST.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

PC: 25+15.76WB'S7M'

26WB'S7M'

580

26WB'S7M'

28WB'S7M'

28WB'S7M'

26EB'S7M'

28EB'S7M'

30WB'S7M'

30WB'S7M'

30EB'S7M'

585

32WB'S7M'

32WB'S7M'

32EB'S7M'

C/L TEMPORARY EB LANES

TEMPORARY EMERGENCY
PULLOUT REQ'D.

TEMPORARY WB DRIVING LANE

TEMPORARY WB PASSING LANE

TEMPORARY EMERGENCY
PULLOUT REQ'D.

PT: 37+23.44WB'S7M'

590

34WB'S7M'

34WB'S7M'

34EB'S7M'

36WB'S7M'

36WB'S7M'

36EB'S7M'

38WB'S7M'

38EB'S7M'

PT: 38+90.31WB'S7M'

PT: 38+96.36EB'S7M'

40WB'S7M'

40EB'S7M'

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 7M	SHEET 259	E

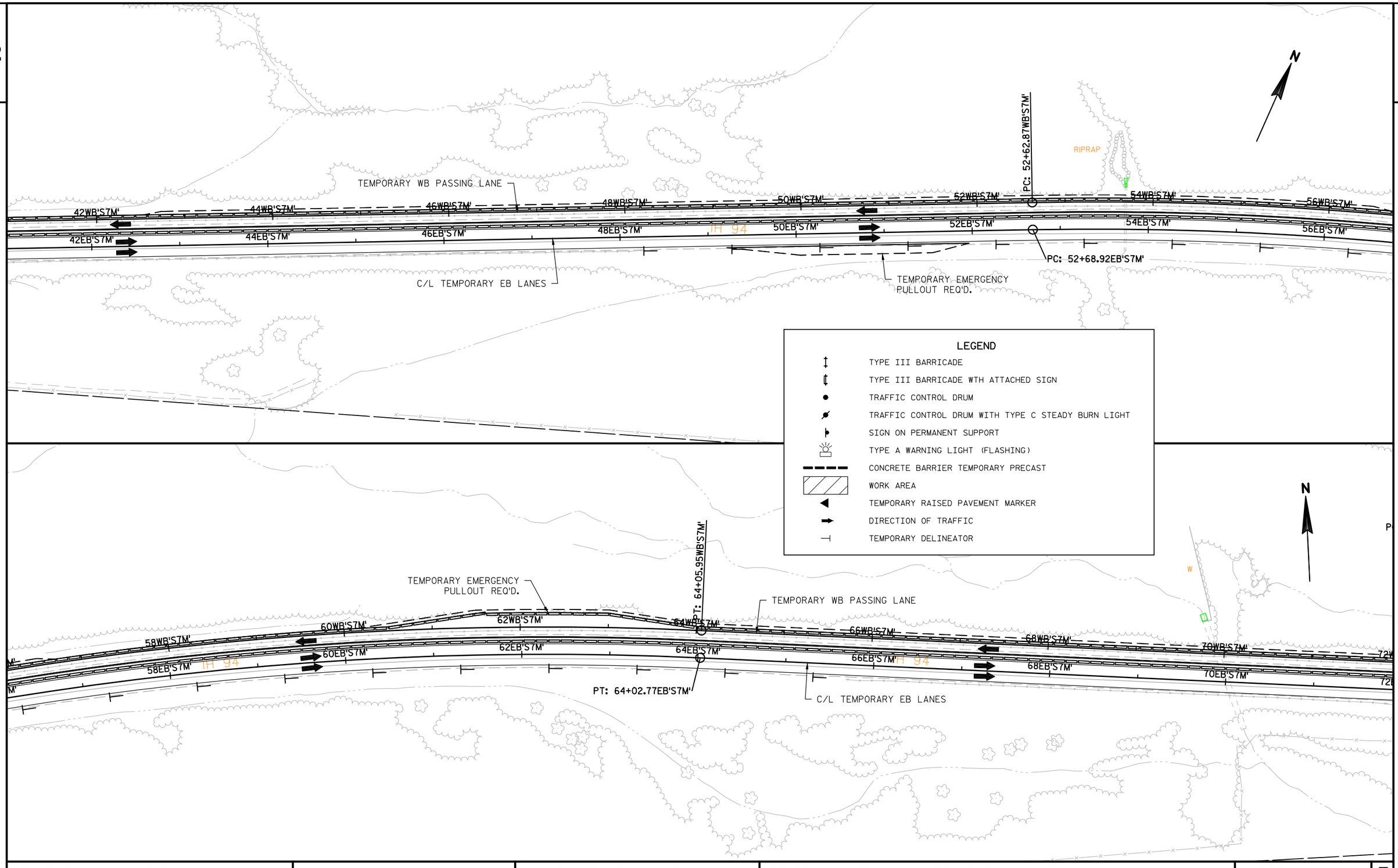
FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025473_TC_STAGE7M_WEST.DWG
LAYOUT NAME - SHEET - (23)

PLOT DATE : 7/20/2018 2:18 PM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

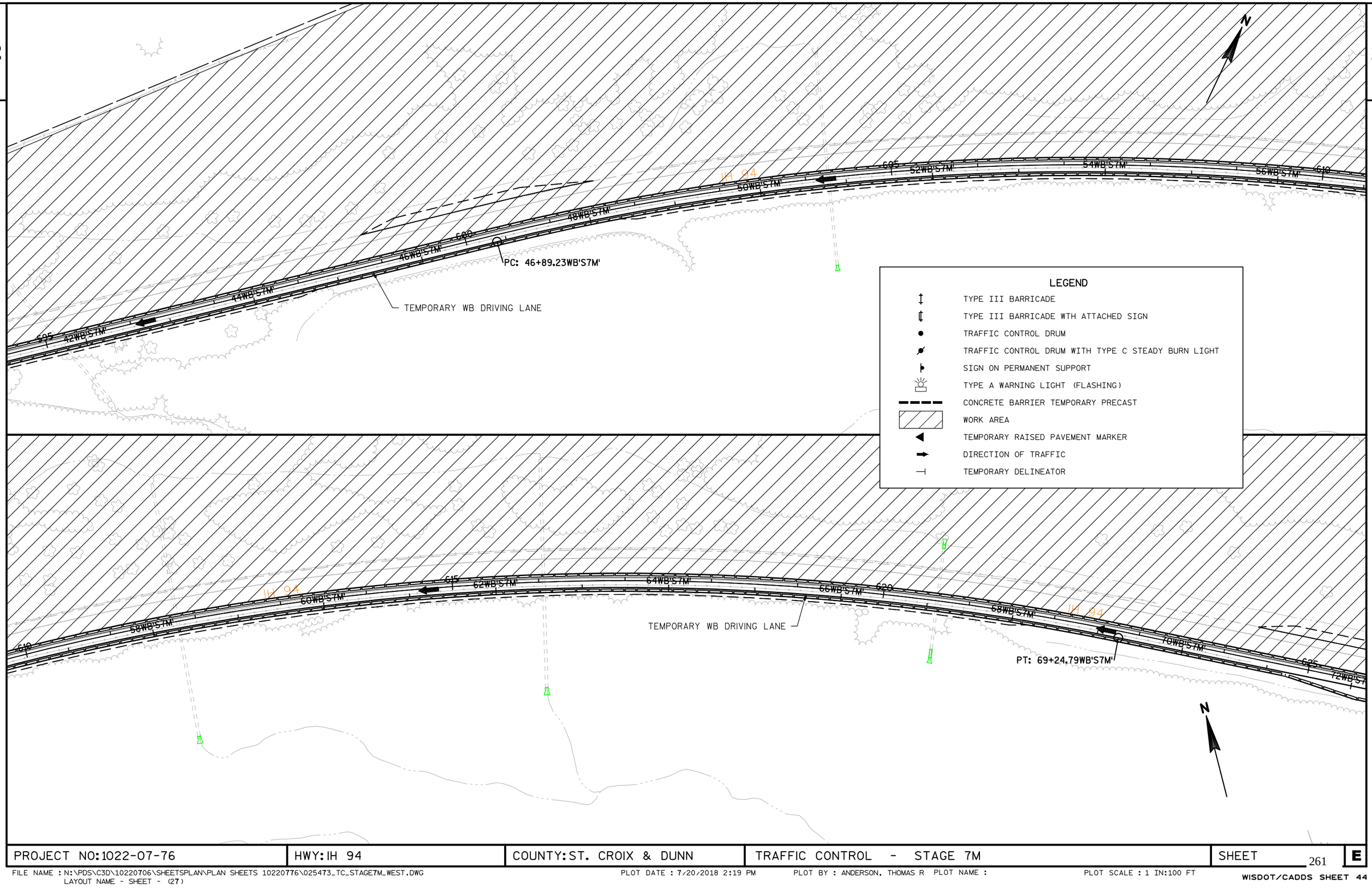
2



PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 7M	SHEET 260	E

2

2



PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 7M	SHEET	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025473_TC_STAGE7M_WEST.DWG
LAYOUT NAME - SHEET - (27)

PLOT DATE : 7/20/2018 2:19 PM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

TEMPORARY EMERGENCY PULLOUT REQ'D.

PC: 75+03.19WB'S7M'

74WB'S7M'

76WB'S7M'

630

78WB'S7M'

IH 94

80WB'S7M'

635

82WB'S7M'

84WB'S7M'

86WB'S7M'

640

TEMPORARY WB DRIVING LANE

PT: 83+48.15WB'S7M'

PC: 76+93.2WB'S7M'

PT: 80+91.89WB'S7M'

TEMPORARY EMERGENCY PULLOUT REQ'D.

TEMPORARY WB PASSING LANE

78WB'S7M'

80WB'S7M'

82WB'S7M'

84WB'S7M'

78EB'S7M'

80EB'S7M'

82EB'S7M'

84EB'S7M'

IH 94

PC: 76+90.03EB'S7M'

PT: 80+89.80EB'S7M'

TEMPORARY EMERGENCY PULLOUT REQ'D.

C/L TEMPORARY EB LANES

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

IH 94

88WB'S7M'

90WB'S7M'

645

92WB'S7M'

94WB'S7M'

96WB'S7M'

650

98WB'S7M'

100WB'S7M'

655

102WB'S7M'

TEMPORARY EMERGENCY PULLOUT REQ'D.

TEMPORARY WB DRIVING LANE

PC: 101+73.45WB'S7

TEMPORARY WB PASSING LANE

88EB'S7M'

90EB'S7M'

92EB'S7M'

94EB'S7M'

96EB'S7M'

98EB'S7M'

100EB'S7M'

C/L TEMPORARY EB LANES

TEMPORARY EMERGENCY PULLOUT REQ'D.

SIGN

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 7M	SHEET 262	E

2

2

N

IH 94

104WB'S7M' 106WB'S7M' 660 108WB'S7M' 110WB'S7M' 665 112WB'S7M' 114WB'S7M' 670 116WB'S7M' 118WB'S7M'

PC: 106+60.69WB'S7M'

TEMPORARY WB DRIVING LANE

PC: 101+73.45WB'S7M'

INL

TEMPORARY WB PASSING LANE

TEMPORARY EMERGENCY PULLOUT REQ'D.

102WB'S7M' 104WB'S7M' 106WB'S7M' 108WB'S7M' 110WB'S7M' 112WB'S7M' 114WB'S7M' 116WB'S7M'

102EB'S7M' 104EB'S7M' 106EB'S7M' 108EB'S7M' 110EB'S7M' 112EB'S7M' 114EB'S7M' 116EB'S7M'

PC: 101+71.36EB'S7M'

C/L TEMPORARY EB LANES

TEMPORARY EMERGENCY PULLOUT REQ'D.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

IH 94

120WB'S7M 675 122WB'S7M 124WB'S7M 680 126WB'S7M 128WB'S7M 130WB'S7M 685 132WB'S7M 134WB'S7M

TEMPORARY EMERGENCY PULLOUT REQ'D.

PT: 125+40.99WB'S7M'

TEMPORARY WB DRIVING LANE

PC: 133+62.13WB'S7M'

PT: 120+48.53WB'S7M'

TEMPORARY WB PASSING LANE

INL

118WB'S7M' 120WB'S7M' 122WB'S7M' 124WB'S7M' 126WB'S7M' 128WB'S7M' 130WB'S7M' 132WB'S7M'

118EB'S7M' 120EB'S7M' 122EB'S7M' 124EB'S7M' 126EB'S7M' 128EB'S7M' 130EB'S7M' 132EB'S7M'

PT: 120+51.52EB'S7M'

C/L TEMPORARY EB LANES

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 7M	SHEET 263	E

2

RUINS

250th ST.

R11-2-L
48"X30"
LANE CLOSED
TYPE III BARRICADE

N

EXISTING WB STRUCTURE

CRASH CUSHION TEMPORARY

TEMPORARY WB DRIVING LANE

PT: 144+09.03WB'S7M'

PT: 135+08.77WB'S7M'

PC: 142+62.39WB'S7M'

CRASH CUSHION TEMPORARY

TEMPORARY EMERGENCY PULLOUT REQ'D.

TEMPORARY WB PASSING LANE

INL

IH 94

134WB'S7M' 136WB'S7M' 138WB'S7M' 140WB'S7M' 142WB'S7M' 144WB'S7M' 146WB'S7M' 148WB'S7M' 150WB'S7M'

690 695 700

134EB'S7M' 136EB'S7M' 138EB'S7M' 140EB'S7M' 142EB'S7M' 144EB'S7M' 146EB'S7M' 148EB'S7M'

C/L TEMPORARY EB LANES

EXISTING EB STRUCTURE

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

R11-2-L
48"X30"
LANE CLOSED
TYPE III BARRICADE

W01-4L

N

W01-6
SIZE
TYPE III BARRICADE

EXISTING WB DRIVING LANE

IH 94

152WB'S7M' 154WB'S7M' 156WB'S7M' 158WB'S7M' 160WB'S7M' 162WB'S7M' 164WB'S7M' 166WB'

705 710 715

PC: 161+90.76WB'S7M'

PT: 159+89.22WB'S7M'

TEMPORARY WB PASSING LANE

INL

PC: 153+04.52WB'S7M'

150WB'S7M' 152WB'S7M' 154WB'S7M' 156WB'S7M' 158WB'S7M' 160WB'S7M' 162WB'S7M' 164WB'S7M'

CRASH CUSHION TEMPORARY

150EB'S7M' 152EB'S7M' 154EB'S7M' 156EB'S7M' 158EB'S7M' 160EB'S7M' 162EB'S7M' 164EB'S7M'

C/L TEMPORARY EB LANES

BEGIN TAPER
PI: 162+21.79EB'S7M'

W01-4DL

SIGN

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 7M	SHEET 264	E

NOTE: SEE TRAFFIC CONTROL IH 94 LANE SPLIT DETAIL FOR ADDITIONAL SIGNS AND DEVICES.

SEE SDD 15D12 FOR TRAFFIC CONTROL DEVICES REQUIRED DURING OFF-PEAK TEMPORARY LANE CLOSURES.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

FLEXIBLE TUBULAR MARKERS AT 25' SPACING

TRAFFIC CHANNELIZING CURB SYSTEM

EXISTING WB DRIVING LANE

EXISTING C/L IH 94 WB LANES

PT: 168+75.46WB'S7M'

EP: 179+74.81WB'S7M'

EP: 177+95.68WB'S7M'

164WB'S7M' 166WB'S7M' 168WB'S7M' 170WB'S7M' 172WB'S7M' 174WB'S7M' 176WB'S7M'

720 725 730

INL

TEMPORARY WB PASSING LANE

164EB'S7M' 166EB'S7M' 168EB'S7M' 170EB'S7M' 172EB'S7M' 174EB'S7M' 176EB'S7M' 178EB'S7M'

END TAPER

PI: 168+21.84EB'S7M'

EP: 178+58.56EB'S7M'

C/L TEMPORARY EB LANES

EXISTING C/L IH 94 EB LANES

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 7M	SHEET 265	E

2

N

PROPOSED R/L
IH 94 WB

TEMPORARY ASPHALT WIDENING
LEFT IN PLACE FROM STAGE 7

PT: 13+70.75EB'S8E'

562+87.84, 7.43' RT

562+87.84, 11.51' RT

556WB 558WB 560WB 562WB 564WB 566WB 568WB 570WB

14.5'

STAGE 8E TEMPORARY EB PASSING LANE

PC: 8+52.04EB'S8E'

10EB'S8E' 12EB'S8E' 14EB'S8E' 16EB'S8E'

557+52.11, -3.92' LT

565+64.67, 16.50' RT

567+19.54, 16.50' RT

50'

556'XEB' 558'XEB' 560'XEB' 562'XEB' 564'XEB' 566'XEB' 568'XEB' 570'XEB'

4EB'S8E' 6EB'S8E' 8EB'S8E'

14'

4.5'

IH 94

561+65.96, -10.00' LT

561+65.96, -6.72' LT

565+49.60, -15.50' LT

15.5'

PC: 2+50.12EB'S8E'

PT: 7+68.82EB'S8E'

564+59.94, -14.83' LT

TEMPORARY ASPHALT WIDENING
LEFT IN PLACE FROM STAGE 7

563+70.30, -12.82' LT

EXISTING LANE EDGE
IH 94 EB

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 8 TEMPORARY ASPHALT	SHEET 266	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025480_TC_STAGE8_TEMP_ASPH.DWG
LAYOUT NAME - 025480_TC_STAGE8_TEMP_ASPH - SHEET - (1)
PLOT DATE : 8/31/2018 12:54 PM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

2

N

PROPOSED R/L
IH 94 WB

RUSSET CR

704WB 706WB 708WB 710WB 712WB 714WB 716WB 718WB

150EB'S8E'

152EB'S8E'

154EB'S8E'

156EB'S8E'

158EB'S8E'

160EB'S8E'

162EB'S8E'

164EB'S8E'

706+50.79, 4.00' RT

702+54.21, 15.22' RT

706+49.82, 15.89' RT

STAGE 8E TEMPORARY EB PASSING LANE

PT: 154+74.92EB'S8E'

4.5'

14'

INL

100'

704'XEB' 706'XEB' 708'XEB' 710'XEB' 712'XEB' 714'XEB' 716'XEB' 718'XEB'

711+75.42, -10.00' LT

IH 94

715+84.20, -4.00' LT

717+38.92, -4.00' LT

PC: 157+02.85EB'S8E'

PT: 163+79.96EB'S8E'

SIGN

EXISTING LANE EDGE
IH 94 EB

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 8 TEMPORARY ASPHALT	SHEET 267	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025480_TC_STAGE8_TEMP_ASPH.DWG
LAYOUT NAME - 025480_TC_STAGE8_TEMP_ASPH - SHEET - (2)
PLOT DATE : 8/31/2018 12:54 PM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 44

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

NOTE: SEE TRAFFIC CONTROL ADVANCED SIGNING OR SDD 15D27 FOR SHOULDER CLOSURE.

SEE SDD 15D12 FOR TRAFFIC CONTROL DEVICES REQUIRED DURING OFF-PEAK TEMPORARY LANE CLOSURES.

N

BP: 0+00.00WB'S8A'

EXISTING C/L IH 94 WB LANES

PI: 5+49.63WB'S8A'
BEGIN TAPER

C/L TEMPORARY WB LANES

550 IH 94 555 560

2WB'S8A' 4WB'S8A' 6WB'S8A' 8WB'S8A' 10WB'S8A'

IN

CRASH CUSHION TEMPORARY

550 IH 94 555 560

2EB'S8A' 4EB'S8A' 6EB'S8A' 8EB'S8A' 10EB'S8A'

SIGN

BP: 0+00.00EB'S8A'

BEGIN TAPER
PI: 7+07.81EB'S8A'

EXISTING C/L IH 94 EB LANES

C/L TEMPORARY EB LANES

W01-4bR

STA. 550'XEB'+50

LEFT SHOULDER CLOSED W21-5-4L

RIGHT SHOULDER CLOSED W21-5-A

STA. 545'XEB'+50

LEFT SHOULDER CLOSED AHEAD W21-5-BL

RIGHT SHOULDER CLOSED AHEAD W21-5-B

STA. 535'XEB'+50

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 8A	SHEET 268	E

2

PI: 11+49.68WB'S8A'
END TAPER

C/L TEMPORARY WB LANES

TEMPORARY EMERGENCY
PULLOUT REQ'D.

W01-4DL

160th ST.

N

PC: 23+66.12WB'S8A'

565 570 575

IH 94

INL

565 570 575

END TAPER
PI: 13+07.87EB'S8A'

C/L TEMPORARY EB LANES

PC: 25+14.34EB'S8A'

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

PT: 37+08.99WB'S8A'

C/L TEMPORARY WB LANES

580 585 590

IH 94

N

580 585 590

C/L TEMPORARY EB LANES

PT: 38+96.36EB'S8A'

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 8A	SHEET 269	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025481_TC_STAGE8A_WEST.DWG
LAYOUT NAME - SHEET - (23)
PLOT DATE : 7/17/2018 3:17 PM
PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

RUINS

250th ST.

N

W05-52R
12"X36"

C/L TEMPORARY WB LANES

EXISTING WB STRUCTURE

136WB'S8A' 138WB'S8A' 140WB'S8A' 142WB'S8A' 144WB'S8A' 146WB'S8A' 148WB'S8A' 150WB'S8A'

690 695 700

IH 94

INL

690 695 700

134EB'S8A' 136EB'S8A' 138EB'S8A' 140EB'S8A' 142EB'S8A' 144EB'S8A' 146EB'S8A' 148EB'S8A'

C/L TEMPORARY EB LANES

W05-52R
12"X36"

EXISTING EB STRUCTURE

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

C/L EXISTING WB LANES

PI: 155+30.91WB'S8A'
BEGIN TAPER

C/L TEMPORARY WB LANES

PI: 161+30.96WB'S8A'
END TAPER

152WB'S8A' 154WB'S8A' 156WB'S8A' 158WB'S8A' 160WB'S8A' 162WB'S8A' 164WB'S8A' 166WB

705 710 715

IH 94

INL

705 710 715

150EB'S8A' 152EB'S8A' 154EB'S8A' 156EB'S8A' 158EB'S8A' 160EB'S8A' 162EB'S8A' 164EB'S8A'

C/L TEMPORARY EB LANES

BEGIN TAPER
PI: 162+21.79EB'S8A'

W01-4DL

SIGN

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 8A	SHEET 270	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

NOTE: SEE TRAFFIC CONTROL ADVANCED SIGNING OR SDD 15D27 FOR SHOULDER CLOSURE.

SEE SDD 15D12 FOR TRAFFIC CONTROL DEVICES REQUIRED DURING OFF-PEAK TEMPORARY LANE CLOSURES.

STA. 741'XWB'+00 →

RIGHT SHOULDER CLOSED AHEAD W21-5-B

LEFT SHOULDER CLOSED AHEAD W21-5-BL

W01-4DR

EXISTING C/L IH 94 WB LANES

RIGHT SHOULDER CLOSED W21-5-A

LEFT SHOULDER CLOSED W21-5-AL

EP: 176+30.96WB'S8A'

166WB'S8A' 168WB'S8A' 170WB'S8A' 172WB'S8A' 174WB'S8A' 176WB'S8A'

720 725 730

IH 94

INL

CRASH CUSHION TEMPORARY

720 725 730

164EB'S8A' 166EB'S8A' 168EB'S8A' 170EB'S8A' 172EB'S8A' 174EB'S8A' 176EB'S8A' 178EB'S8A'

IH 94

C/L TEMPORARY EB LANES

END TAPER

PI: 168+21.84EB'S8A'

EXISTING C/L IH 94 EB LANES

EP: 178+58.56EB'S8A'

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 8A	SHEET 271	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025481_TC_STAGE8A_WEST.DWG
LAYOUT NAME - SHEET - (35)
PLOT DATE : 7/17/2018 3:18 PM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

NOTE: SEE TRAFFIC CONTROL IH 94 LANE SPLIT DETAIL FOR ADDITIONAL SIGNS AND DEVICES.

SEE SDD 15D12 FOR TRAFFIC CONTROL DEVICES REQUIRED DURING OFF-PEAK TEMPORARY LANE CLOSURES.

N

IH 94

IN

550

BP: 0+00.00WB'S8E'

EXISTING C/L IH 94 WB LANES

2WB'S8E'

PC: 2+50.12EB'S8E'

4WB'S8E'

PI: 5+49.63WB'S8E'
BEGIN TAPER

6WB'S8E'

IH 94

8WB'S8E'

10WB'S8E'

CRASH CUSHION TEMPORARY

PC: 8+52.04EB'S8E'

C/L TEMPORARY WB LANES

TEMPORARY EB PASSING LANE

PT: 7+68.82EB'S8E'

10EB'S8E'

8EB'S8E'

10EB'S8E'

BP: 0+00.00EB'S8E'

555

2EB'S8E'

4EB'S8E'

6EB'S8E'

560

IH 94

BP: 0+00.00EB'S8E'

SIGN

CRASH CUSHION TEMPORARY

PT: 4+29.30EB'S8E'

CRASH CUSHION TEMPORARY

TEMPORARY EB DRIVING LANE

PC: 10

EXISTING C/L IH 94 EB LANES

FLEXIBLE TUBULAR MARKERS AT 25' SPACING

TRAFFIC CHANNELIZING CURB SYSTEM

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 8E	SHEET 272	E

2

PI: 11+49.68WB'S8E'
END TAPER

C/L TEMPORARY WB LANES

TEMPORARY EMERGENCY
PULLOUT REQ'D.

160th ST.

N

PC: 23+66.12WB'S8E'

12WB'S8E' 14WB'S8E' 16WB'S8E' 18WB'S8E' 20WB'S8E' 22WB'S8E' 24WB'S8E'

12EB'S8E' 14EB'S8E' 16EB'S8E' 18EB'S8E' 20EB'S8E' 22EB'S8E' 24EB'S8E'

PT: 13+70.75EB'S8E'

TEMPORARY EB DRIVING LANE

TEMPORARY EB PASSING LANE

12EB'S8E' 14EB'S8E' 16EB'S8E' 18EB'S8E' 20EB'S8E' 22EB'S8E' 24EB'S8E'

PC: 23+67.67EB'S8E'

PC: 25+14.60EB'S8E'

565 570 575

IH 94

PT: 11+99.55EB'S8E'

PC: 10+20.36EB'S8E'

R11-2-L
48"X30"

LANE
CLOSED

TYPE III BARRICADE

W01-4DL

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

PT: 37+08.99WB'S8E'

PT: 37+24.71EB'S8E'

C/L TEMPORARY WB LANES

26WB'S8E' 28WB'S8E' 30WB'S8E' 32WB'S8E' 34WB'S8E' 36WB'S8E' 38WB'S8E' 40WB'S8E'

26EB'S8E' 28EB'S8E' 30EB'S8E' 32EB'S8E' 34EB'S8E' 36EB'S8E' 38EB'S8E' 40EB'S8E'

PC: 25+14.60EB'S8E'

TEMPORARY EB PASSING LANE

26EB'S8E' 28EB'S8E' 30EB'S8E' 32EB'S8E' 34EB'S8E' 36EB'S8E' 38EB'S8E' 40EB'S8E'

580 585 590

TEMPORARY EMERGENCY
PULLOUT REQ'D.

TEMPORARY EB DRIVING LANE

PT: 38+89.15EB'S8E'

IH 94

N

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 8E	SHEET 273	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025482_TC_STAGE8E_WEST.DWG
LAYOUT NAME - SHEET - (23)
PLOT DATE : 7/20/2018 2:29 PM
PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

2

TEMPORARY EB DRIVING LANE

PC: 52+61.72EB'S8E'

RIPRAP

42EB'S8E' 44EB'S8E' 46EB'S8E' 48EB'S8E' 50EB'S8E' 52EB'S8E' 54EB'S8E' 56EB'S8E'

595 600 605 610

IH 94

N

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

TEMPORARY EMERGENCY PULLOUT REQ'D.

PT: 64+04.79EB'S8E'

TEMPORARY EB DRIVING LANE

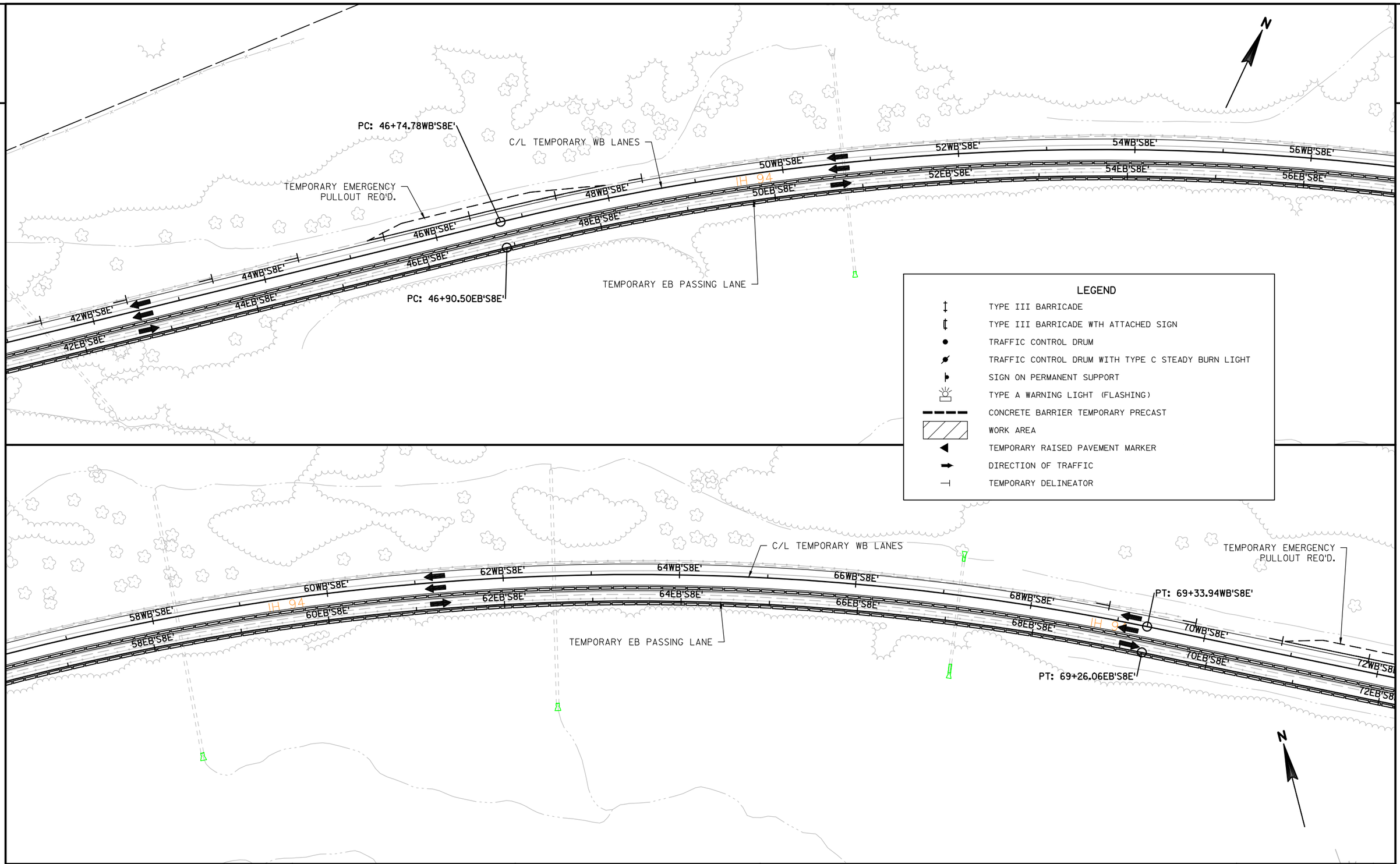
58EB'S8E' 60EB'S8E' 62EB'S8E' 64EB'S8E' 66EB'S8E' 68EB'S8E' 70EB'S8E'

610 615 620 625

IH 94

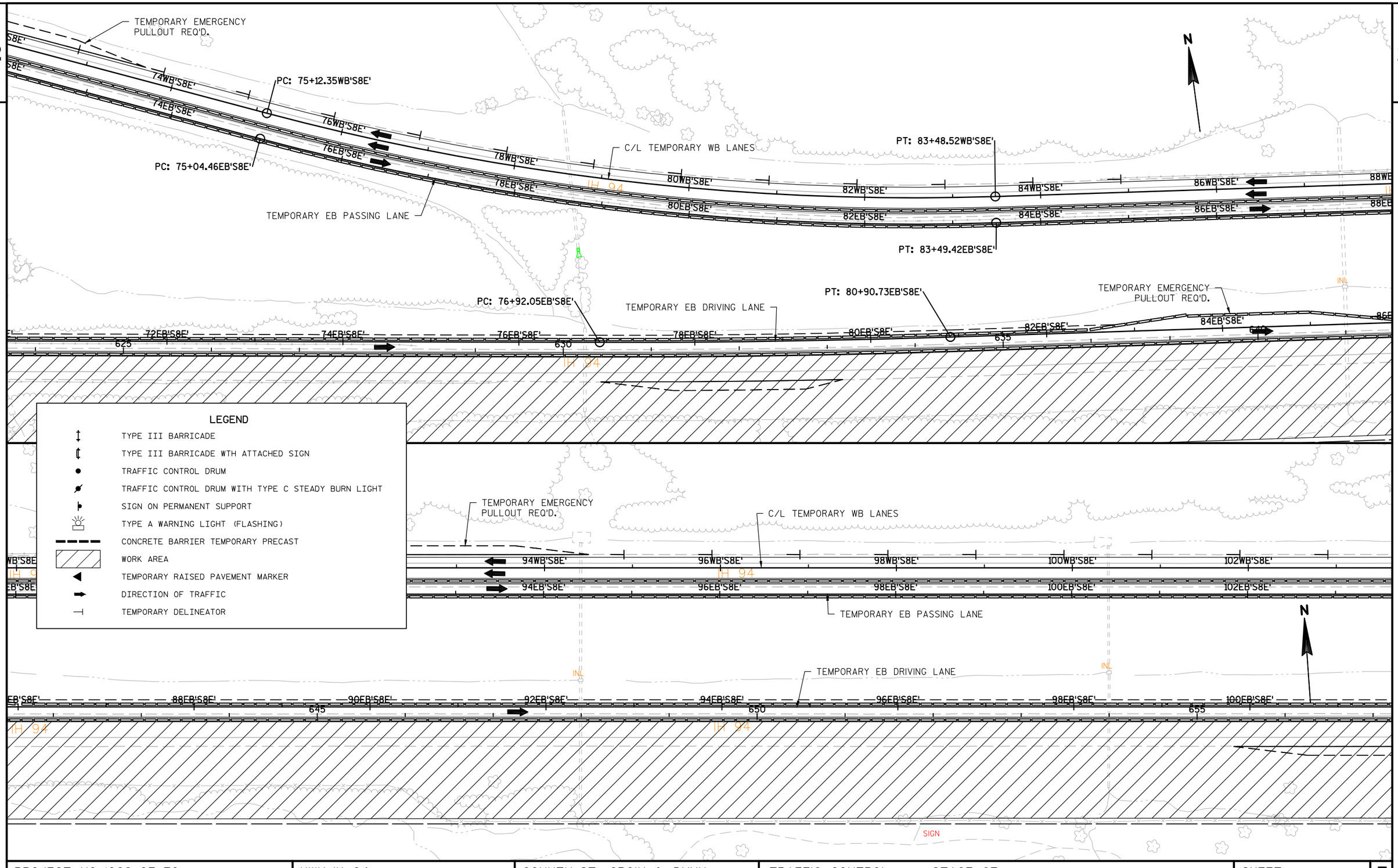
PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 8E	SHEET 274	E

2



PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 8E	SHEET 275	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025482_TC_STAGE8E_WEST.DWG
LAYOUT NAME - SHEET - (27)
PLOT DATE : 7/20/2018 2:30 PM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 8E	SHEET 276	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025482_TC_STAGE8E_WEST.DWG
LAYOUT NAME - SHEET - (29)
PLOT DATE : 7/20/2018 2:31 PM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

N

PC: 106+61.06WB'S8E'

C/L TEMPORARY WB LANES

104WB'S8E' 106WB'S8E' 108WB'S8E' 110WB'S8E' 112WB'S8E' 114WB'S8E' 116WB'S8E' 118WB'S8E'

104EB'S8E' 106EB'S8E' 108EB'S8E' 110EB'S8E' 112EB'S8E' 114EB'S8E' 116EB'S8E' 118EB'S8E'

PC: 106+61.96EB'S8E'

IH 94

TEMPORARY EB PASSING LANE

PC: 101+72.29EB'S8E'

INL

TEMPORARY EMERGENCY PULLOUT REQ'D.

TEMPORARY EB DRIVING LANE

102EB'S8E' 104EB'S8E' 106EB'S8E' 108EB'S8E' 110EB'S8E' 112EB'S8E' 114EB'S8E' 116EB'S8E'

660 665 670

IH 94

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

TEMPORARY EMERGENCY PULLOUT REQ'D.

C/L TEMPORARY WB LANES

PT: 125+36.45WB'S8E'

120WB'S8E' 122WB'S8E' 124WB'S8E' 126WB'S8E' 128WB'S8E' 130WB'S8E' 132WB'S8E' 134WB'S8E'

120EB'S8E' 122EB'S8E' 124EB'S8E' 126EB'S8E' 128EB'S8E' 130EB'S8E' 132EB'S8E' 134EB'S8E'

IH 94

PT: 125+42.26EB'S8E'

TEMPORARY EB PASSING LANE

PT: 120+47.38EB'S8E'

TEMPORARY EB DRIVING LANE

INL

118EB'S8E' 120EB'S8E' 122EB'S8E' 124EB'S8E' 126EB'S8E' 128EB'S8E' 130EB'S8E' 132EB'S8E'

675 680 685

IH 94

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 8E	SHEET 277	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025482_TC_STAGE8E_WEST.DWG
LAYOUT NAME - SHEET - (31)

PLOT DATE : 7/20/2018 2:31 PM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

W01-4R

55 M.P.H.

W013-1 36"X36"

C/L TEMPORARY WB LANES

EXISTING WB STRUCTURE

250th ST.

W05-52R 12"X36"

N

RUINS

136WB'S8E' 138WB'S8E' 140WB'S8E' 142WB'S8E' 144WB'S8E' 146WB'S8E' 148WB'S8E' 150WB'S8E'

IH 94

136EB'S8E' 138EB'S8E' 140EB'S8E' 142EB'S8E' 144EB'S8E' 146EB'S8E' 148EB'S8E' 150EB'S8E'

TEMPORARY EB PASSING LANE

PC: 147+97.81EB'S8E'

TEMPORARY EMERGENCY PULLOUT REQ'D.

INL

TEMPORARY EB DRIVING LANE

PC: 144+64.91EB'S8E'

PT: 146+37.36EB'S8E'

134EB'S8E' 136EB'S8E' 138EB'S8E' 140EB'S8E' 142EB'S8E' 144EB'S8E' 146EB'S8E' 148EB'S8E'

690 695 700

IH 94

EXISTING EB STRUCTURE

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

PI: 155+30.91WB'S8E'
BEGIN TAPER

C/L TEMPORARY WB LANES

C/L EXISTING WB LANES

N

152WB'S8E' 154WB'S8E' 156WB'S8E' 158WB'S8E' 160WB'S8E' 162WB'S8E' 164WB'S8E' 166WB

IH 94

END TAPER
PI: 161+30.96WB'S8E'

152EB'S8E' 154EB'S8E' 156EB'S8E' 158EB'S8E' 160EB'S8E'

PT: 154+74.92EB'S8E'

PC: 157+02.85EB'S8E'

INL

TEMPORARY EB PASSING LANE

TEMPORARY EB DRIVING LANE

C/L EXISTING EB LANES

705 710 715

150EB'S8E' 152EB'S8E' 154EB'S8E' 156EB'S8E' 158EB'S8E' 160EB'S8E' 162EB'S8E' 164EB'S8E'

IH 94

PC: 152+65.23EB'S8E'

PT: 154+37.68EB'S8E'

PT: 163+79.96EB'S8E'

FLEXIBLE TUBULAR MARKERS AT 25' SPACING

W01-6 SIZE

TYPE III BARRICADE

W06-2 MOD.

SIGN

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 8E	SHEET 278	E

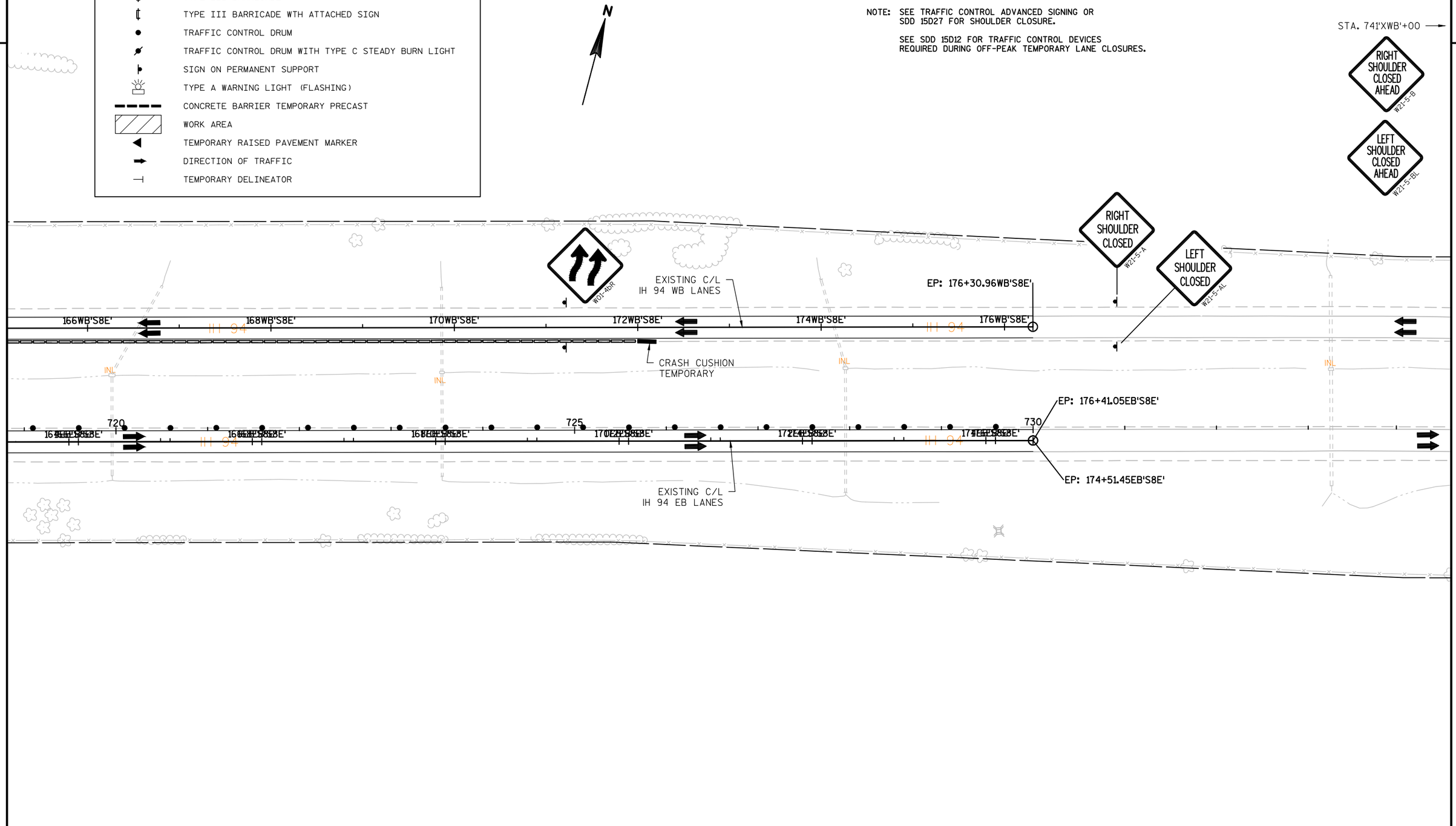
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

NOTE: SEE TRAFFIC CONTROL ADVANCED SIGNING OR SDD 15D27 FOR SHOULDER CLOSURE.

SEE SDD 15D12 FOR TRAFFIC CONTROL DEVICES REQUIRED DURING OFF-PEAK TEMPORARY LANE CLOSURES.



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 8E	SHEET 279	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

NOTE: SEE TRAFFIC CONTROL IH 94 LANE SPLIT DETAIL FOR ADDITIONAL SIGNS AND DEVICES.

SEE SDD 15D12 FOR TRAFFIC CONTROL DEVICES REQUIRED DURING OFF-PEAK TEMPORARY LANE CLOSURES.

N

IH 94

550

BP: 0+00.00WB'S8H'

EXISTING C/L IH 94 WB LANES

2WB'S8H'

4WB'S8H'

PI: 5+49.63WB'S8H'
BEGIN TAPER

6WB'S8H'

8WB'S8H'

10WB'S8H'

C/L TEMPORARY WB LANES

PC: 8+52.04EB'S8H'

CRASH CUSHION TEMPORARY

BP: 0+00.00EB'S8H'

BP: 0+00.00EB'S8H'

555

2EB'S8H'

PC: 2+50.12EB'S8H'

4EB'S8H'

BEGIN TAPER
PI: 2+50.12EB'S8H'

SIGN

EXISTING C/L IH 94 EB LANES

FLEXIBLE TUBULAR MARKERS AT 25' SPACING

TEMPORARY EB PASSING LANE

6EB'S8H'

560

8EB'S8H'

10EB'S8H'

PT: 7+68.82EB'S8H'

CRASH CUSHION TEMPORARY

END TAPER
PI: 8+50.17EB'S8H'

TEMPORARY EB DRIVING LANE

TRAFFIC CHANNELIZING CURB SYSTEM

W01-6
SIZE

TYPE III BARRICADE

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 8H	SHEET 280	E

2

C/L TEMPORARY WB LANES

TEMPORARY EB PASSING LANE

TEMPORARY EMERGENCY PULLOUT REQ'D.

160th ST.

N

PI: 11+49.68WB'S8H'
END TAPER

PT: 13+70.75EB'S8H'

PC: 23+66.12WB'S8H'

PC: 23+67.67EB'S8H'

12WB'S8H' 14WB'S8H' 16WB'S8H' 18WB'S8H' 20WB'S8H' 22WB'S8H' 24WB'S8H'

12EB'S8H' 14EB'S8H' 16EB'S8H' 18EB'S8H' 20EB'S8H' 22EB'S8H' 24EB'S8H'

IH 94

565 570 575

12EB'S8H' 14EB'S8H' 16EB'S8H' 18EB'S8H' 20EB'S8H' 22EB'S8H' 24EB'S8H'

TEMPORARY EB DRIVING LANE

PC: 25+14.34EB'S8H'

R11-2-L
48"X30"

LANE CLOSED

TYPE III BARRICADE

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

PT: 37+08.99WB'S8H'

PT: 37+24.71EB'S8H'

26WB'S8H' 28WB'S8H' 30WB'S8H' 32WB'S8H' 34WB'S8H' 36WB'S8H' 38WB'S8H' 40WB'S8H'

26EB'S8H' 28EB'S8H' 30EB'S8H' 32EB'S8H' 34EB'S8H' 36EB'S8H' 38EB'S8H' 40EB'S8H'

IH 94

580 585 590

26EB'S8H' 28EB'S8H' 30EB'S8H' 32EB'S8H' 34EB'S8H' 36EB'S8H' 38EB'S8H' 40EB'S8H'

C/L TEMPORARY WB LANES

TEMPORARY EB PASSING LANE

TEMPORARY EB DRIVING LANE

PT: 38+96.36EB'S8H'

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 8H	SHEET 281	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025483_TC_STAGE8H_WEST.DWG
LAYOUT NAME - SHEET - (23)

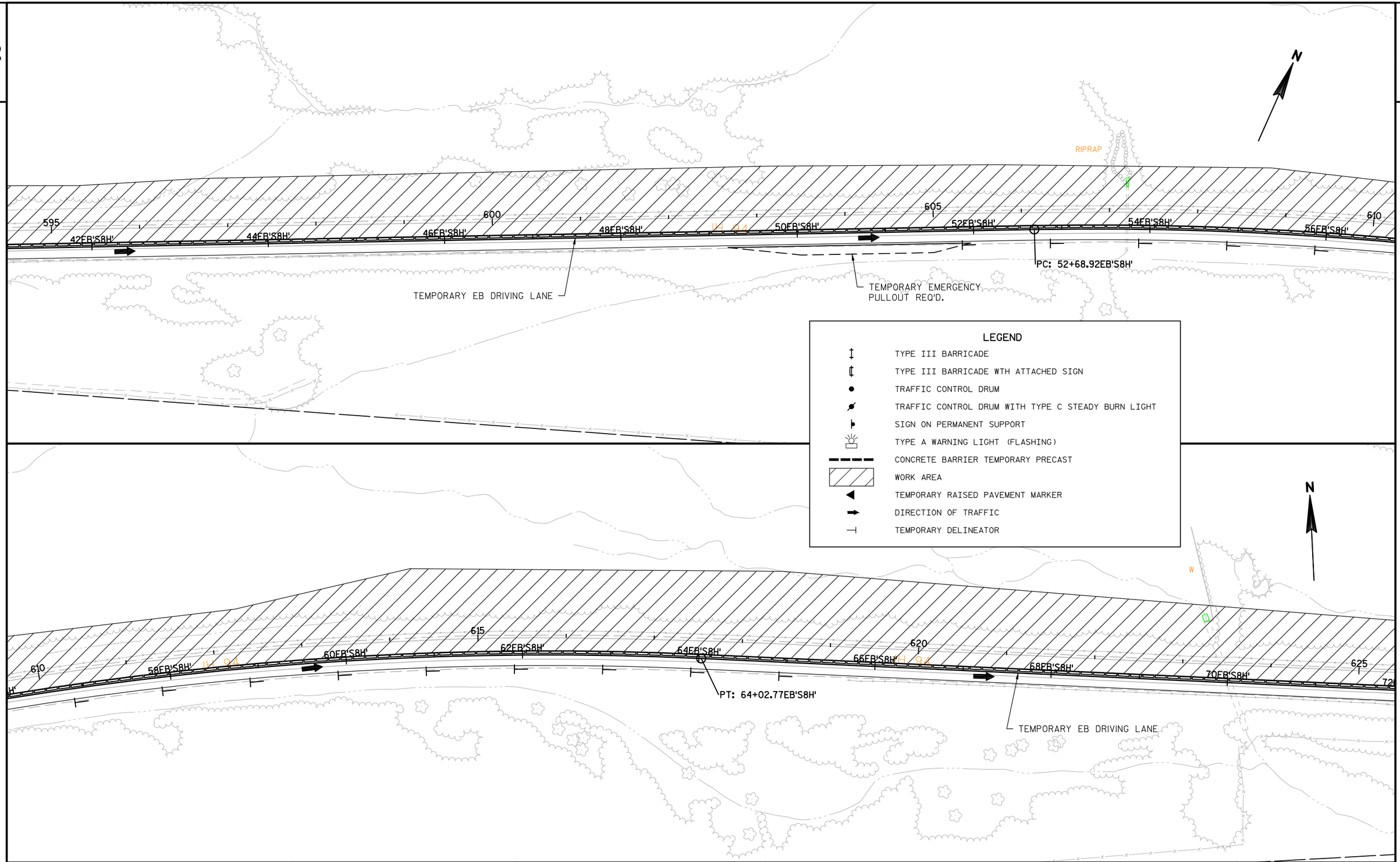
PLOT DATE : 7/20/2018 2:36 PM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

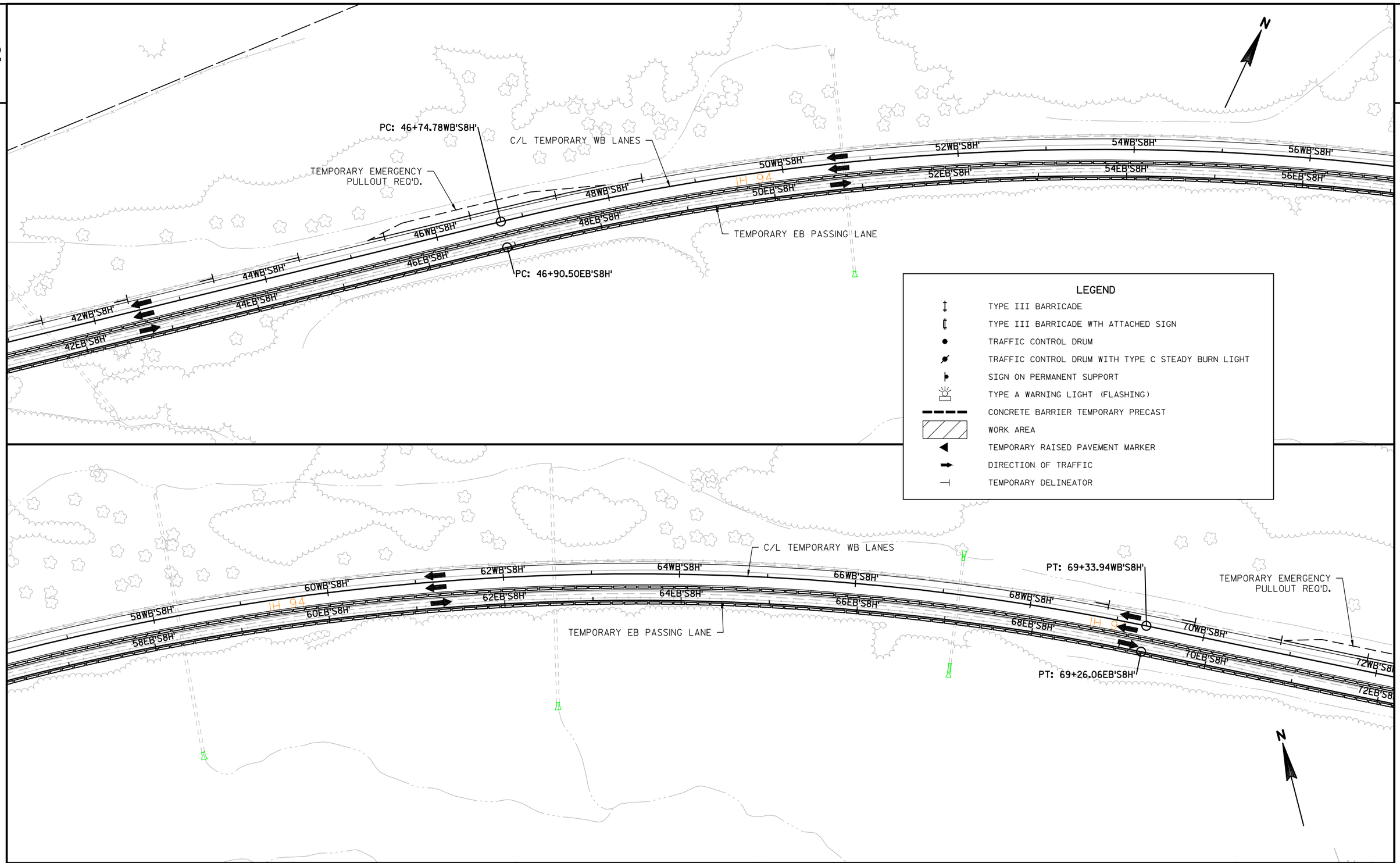
WISDOT/CADDS SHEET 44

2

2

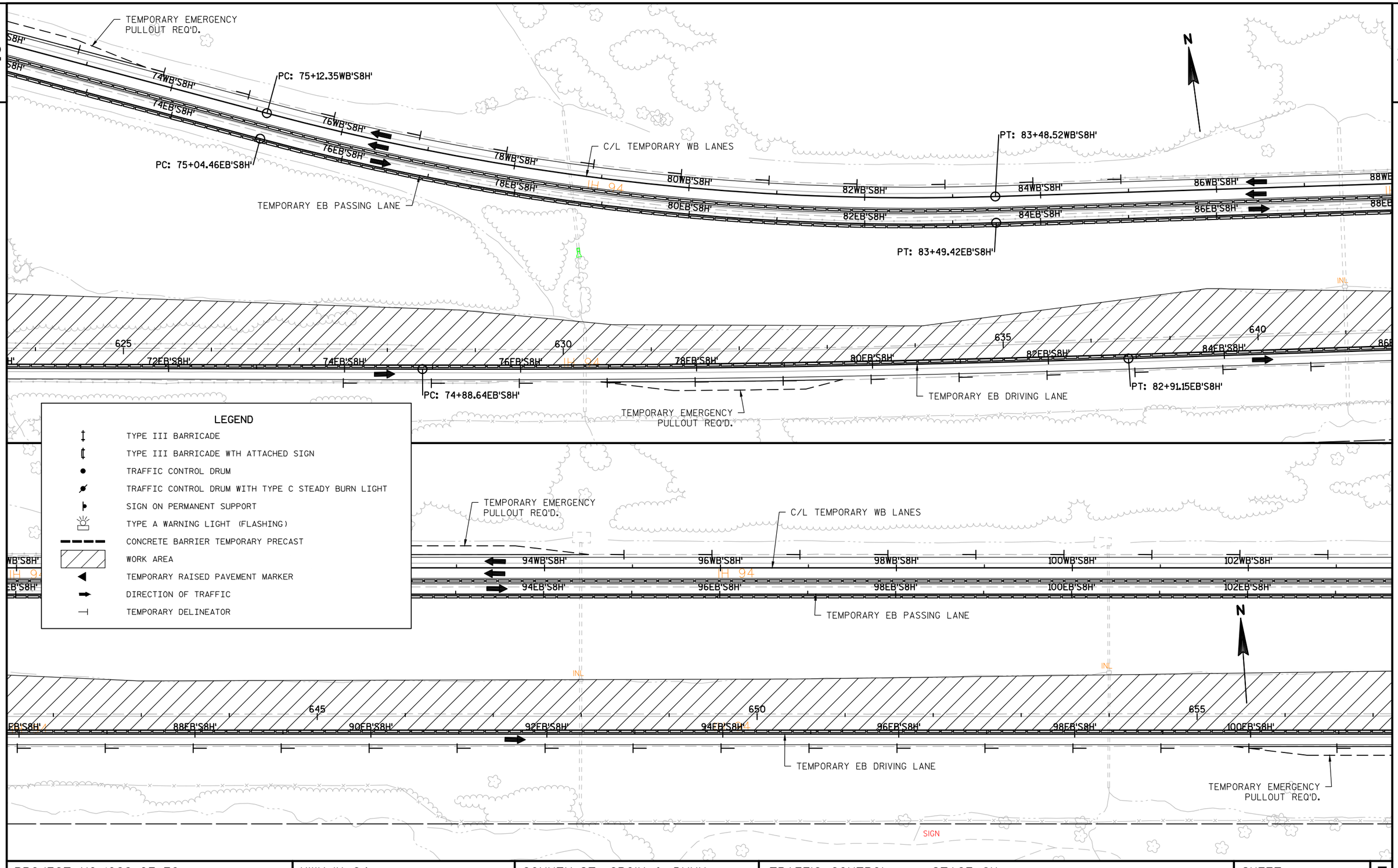


PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 8H	SHEET 282	E



PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 8H	SHEET 283	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025483_TC_STAGE8H_WEST.DWG
LAYOUT NAME - SHEET - (27)
PLOT DATE : 7/20/2018 2:37 PM
PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 8H	SHEET 284	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025483_TC_STAGE8H_WEST.DWG
LAYOUT NAME - SHEET - (29)
PLOT DATE : 7/20/2018 2:37 PM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

2

N

PC: 106+61.06WB'S8H'

PC: 106+61.96EB'S8H'

104WB'S8H' 106WB'S8H' 108WB'S8H' 110WB'S8H' 112WB'S8H' 114WB'S8H' 116WB'S8H' 118WB'S8H'

104EB'S8H' 106EB'S8H' 108EB'S8H' 110EB'S8H' 112EB'S8H' 114EB'S8H' 116EB'S8H' 118EB'S8H'

IH 94

C/L TEMPORARY WB LANES

TEMPORARY EB PASSING LANE

PC: 101+71.32EB'S8H'

102EB'S8H' 104EB'S8H' 106EB'S8H' 108EB'S8H' 110EB'S8H' 112EB'S8H' 114EB'S8H' 116EB'S8H'

660 665 670

TEMPORARY EB DRIVING LANE

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

TEMPORARY EMERGENCY PULLOUT REQ'D.

C/L TEMPORARY WB LANES

PT: 125+36.45WB'S8H'

PT: 125+42.26EB'S8H'

120WB'S8H' 122WB'S8H' 124WB'S8H' 126WB'S8H' 128WB'S8H' 130WB'S8H' 132WB'S8H' 134WB'S8H'

120EB'S8H' 122EB'S8H' 124EB'S8H' 126EB'S8H' 128EB'S8H' 130EB'S8H' 132EB'S8H' 134EB'S8H'

IH 94

TEMPORARY EB PASSING LANE

675 680 685

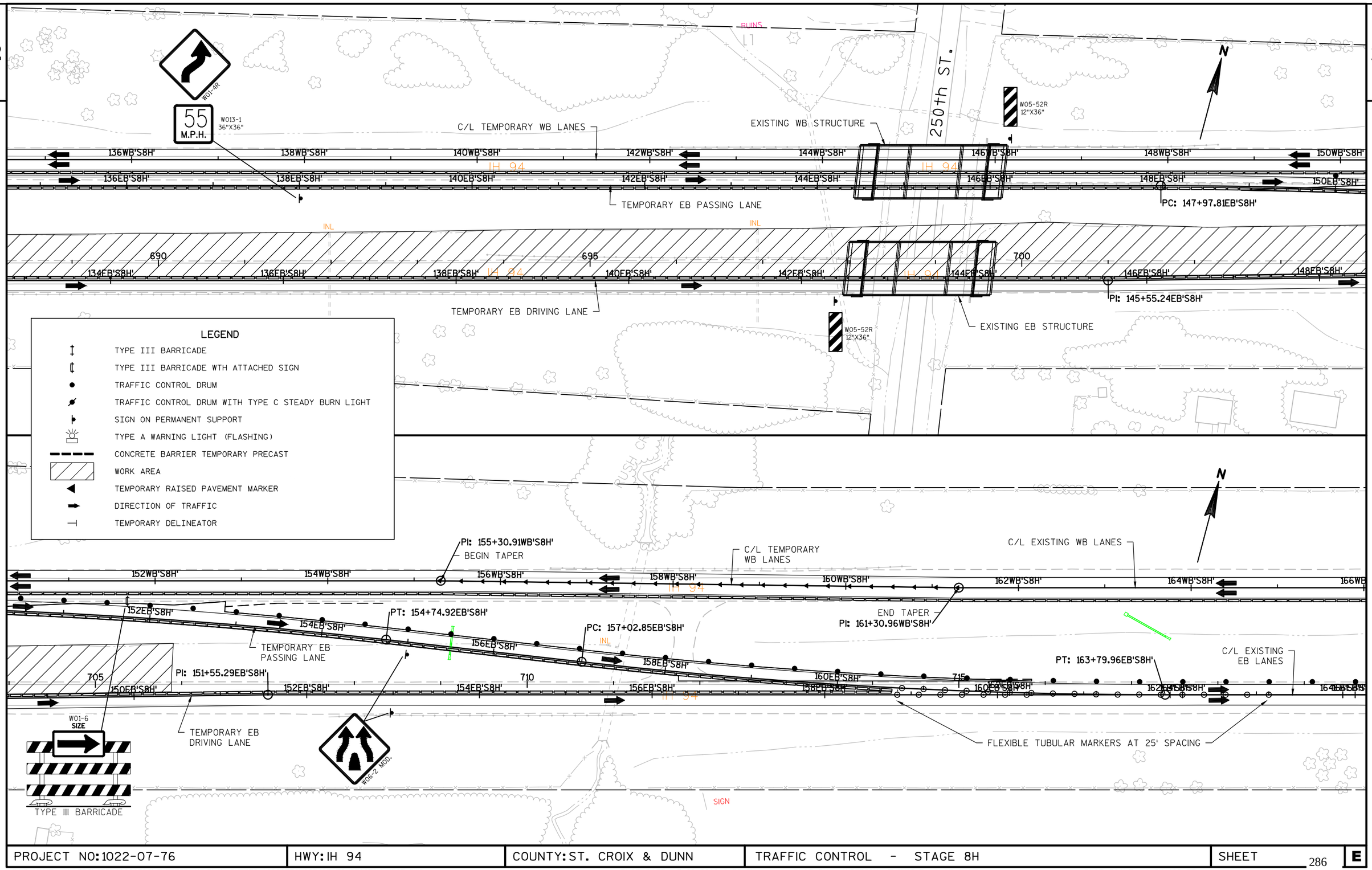
118EB'S8H' 120EB'S8H' 122EB'S8H' 124EB'S8H' 126EB'S8H' 128EB'S8H' 130EB'S8H' 132EB'S8H'

PT: 120+51.48EB'S8H'

TEMPORARY EMERGENCY PULLOUT REQ'D.

TEMPORARY EB DRIVING LANE

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 8H	SHEET 285	E



PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 8H	SHEET 286	E

2

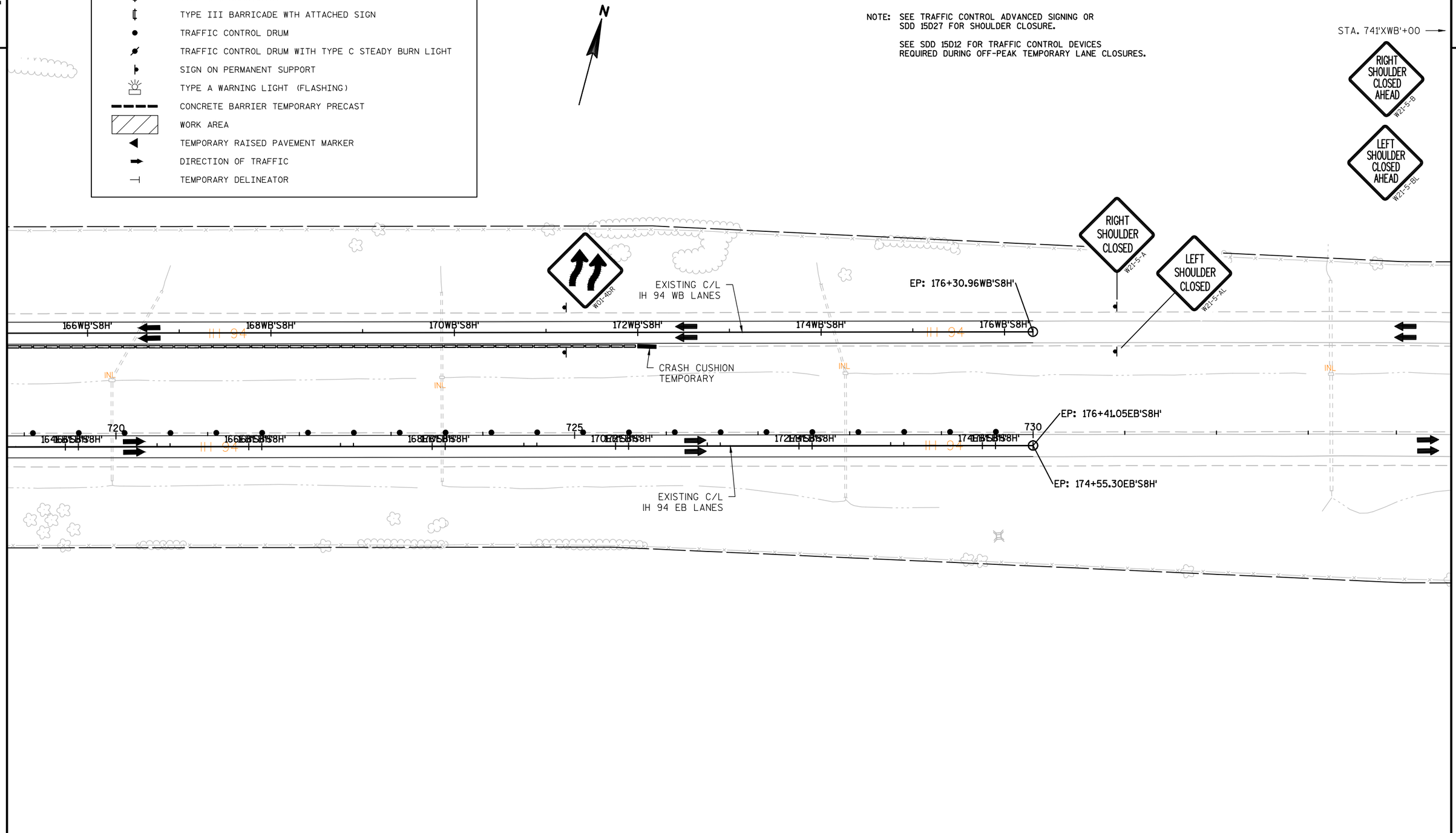
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

NOTE: SEE TRAFFIC CONTROL ADVANCED SIGNING OR SDD 15D27 FOR SHOULDER CLOSURE.

SEE SDD 15D12 FOR TRAFFIC CONTROL DEVICES REQUIRED DURING OFF-PEAK TEMPORARY LANE CLOSURES.



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 8H	SHEET 287	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

NOTE: SEE TRAFFIC CONTROL ADVANCED SIGNING OR SDD 15D27 FOR SHOULDER CLOSURE.

SEE SDD 15D12 FOR TRAFFIC CONTROL DEVICES REQUIRED DURING OFF-PEAK TEMPORARY LANE CLOSURES.

N

BP: 0+00.00WB'S9B'

EXISTING C/L IH 94 WB LANES

PI: 5+49.63WB'S9B'
BEGIN TAPER

C/L TEMPORARY WB LANES

2WB'S9B'

4WB'S9B'

6WB'S9B'

8WB'S9B'

10WB'S9B'

550

555

560

IH 94

INL

550EB

552EB

PT: 553+50.37EB

554EB

556EB

558EB

560EB

562EB

564EB

CRASH CUSHION TEMPORARY

PROPOSED R/L EB IH 94

STA BACK = 553+57.92EB

STA AHEAD = 553+50.37EB

LEFT SHOULDER CLOSED W21-5-AL

LEFT SHOULDER CLOSED AHEAD W21-5-BL

TWO W21-5-BL SIGNS REQ'D. STA. 539'EB'+00

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 9B	SHEET 288	E

2

PI: 11+49.68WB'S9B'
END TAPER

C/L TEMPORARY WB LANES

TEMPORARY EMERGENCY
PULLOUT REQ'D.

160th ST.

PC: 23+66.12WB'S9B'

N

W01-4CL

12WB'S9B'
14WB'S9B'
16WB'S9B'
18WB'S9B'
20WB'S9B'
22WB'S9B'
24WB'S9B'
565
570
575
IH 94

564EB
566EB
568EB
570EB
572EB
574EB
576EB
578EB

PROPOSED R/L
EB IH 94

PC: 578+64.66EB

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

PT: 37+08.69WB'S9B'

C/L TEMPORARY WB LANES

26WB'S9B'
28WB'S9B'
30WB'S9B'
32WB'S9B'
34WB'S9B'
36WB'S9B'
38WB'S9B'
40WB'S9B'
580
585
590
IH 94

580EB
582EB
584EB
586EB
588EB
590EB
592EB
594EB

PROPOSED R/L
EB IH 94

PT: 592+41.86EB

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 9B	SHEET 289	E

2

2

N

PC: 606+14.42EB

RIPRAP

PROPOSED R/L
EB IH 94

596EB 598EB 600EB 602EB 604EB 606EB 608EB 610EB

IH 94

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

W

PT: 617+54.22EB

PROPOSED R/L
EB IH 94

610EB 612EB 614EB 616EB 618EB 620EB 622EB 624EB

IH 94

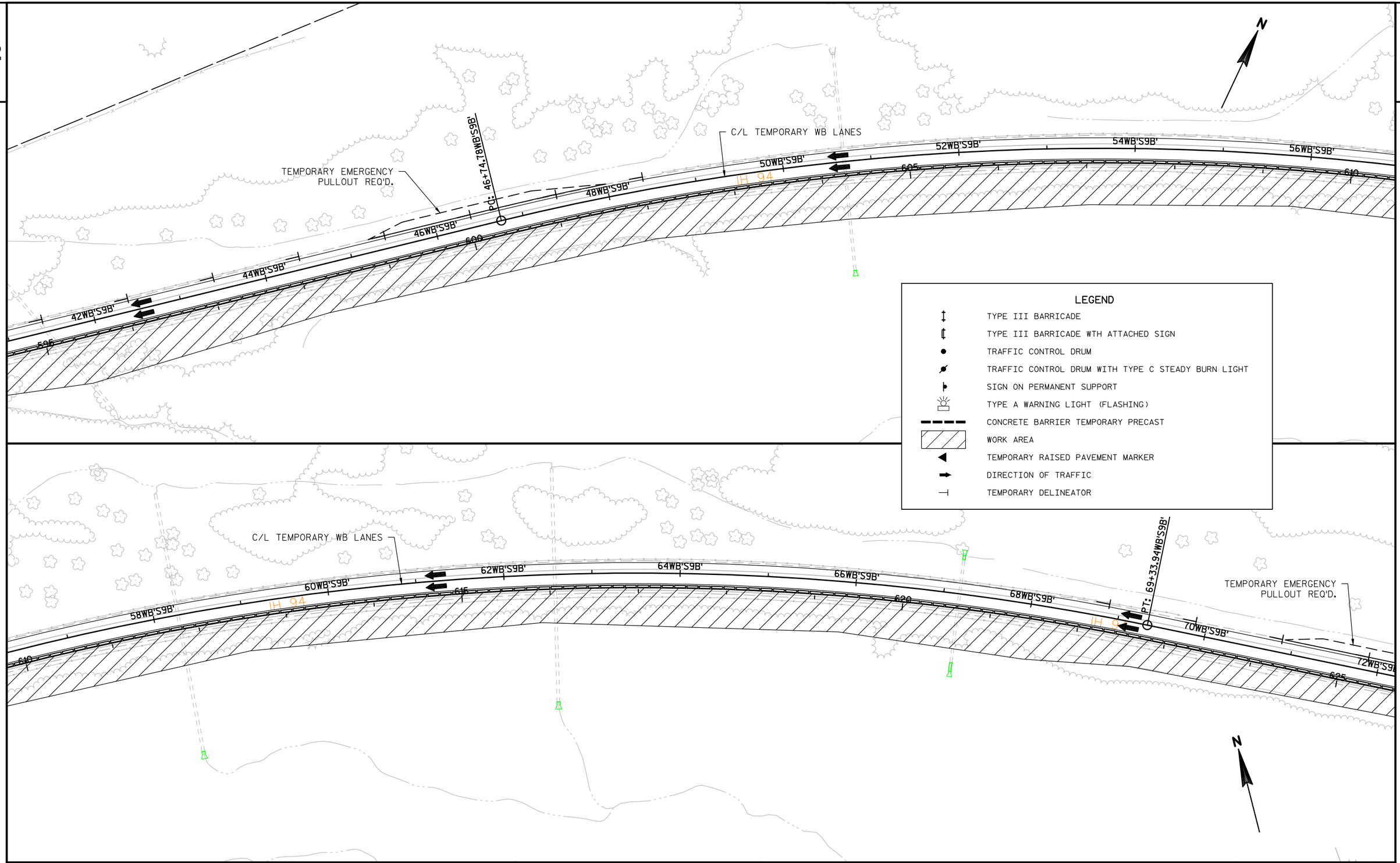
PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 9B	SHEET 290	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025491_TC_STAGE9B_WEST.DWG
LAYOUT NAME - SHEET - (25)

PLOT DATE : 7/17/2018 6:59 PM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2



2

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 9B	SHEET 291	E

TEMPORARY EMERGENCY PULLOUT REQ'D.

PC: 75+12.35WB'S9B'

74WB'S9B'

76WB'S9B'

78WB'S9B'

80WB'S9B'

82WB'S9B'

C/L TEMPORARY WB LANES

PT: 83+48.52WB'S9B'

84WB'S9B'

86WB'S9B'

88WB

IH 94

635

640

N

INL

PC: 628+40.09EB

PROPOSED R/L
IH 94 EB

PT: 638+52.10EB

628EB

630EB

632EB

634EB

636EB

640EB

IH 94

PC = 636+41.90EB

PT = 638+52.10EB

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

TEMPORARY EMERGENCY
PULLOUT REQ'D.

C/L TEMPORARY WB LANES

WB'S9B'

90WB'S9B'

92WB'S9B'

94WB'S9B'

96WB'S9B'

98WB'S9B'

100WB'S9B'

102WB'S9B'

IH 94

645

650

655

N

INL

PROPOSED R/L
IH 94 EB

642EB

644EB

646EB

648EB

650EB

652EB

654EB

656EB

IH 94

SIGN

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 9B	SHEET 292	E

2

2

N

104WB'S9B'

106WB'S9B'

PC: 106+61.06WB'S9B'

108WB'S9B'

110WB'S9B'

112WB'S9B'

C/L TEMPORARY WB LANES

114WB'S9B'

116WB'S9B'

118WB'S9B'

IH 94

660

665

670

PC: 657+32.26EB

INL

PROPOSED R/L
IH 94 EB

658EB

660EB

662EB

664EB

666EB

668EB

670EB

672EB

IH 94

IH 94

INL

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

TEMPORARY EMERGENCY
PULLOUT REQ'D.

120WB'S9B'

122WB'S9B'

124WB'S9B'

PT: 125+36.45WB'S9B'

126WB'S9B'

128WB'S9B'

C/L TEMPORARY WB LANES

130WB'S9B'

132WB'S9B'

134WB'S9B'

IH 94

675

680

685

IH 94

PT: 675+96.24EB

INL

INL

PROPOSED R/L
IH 94 EB

674EB

676EB

678EB

680EB

682EB

684EB

686EB

688EB

IH 94

IH 94

LEFT
SHOULDER
CLOSED
AHEAD
W21-5-BL

STA BACK = 676+09.15EB

STA AHEAD = 675+96.24EB

NOTE: SEE TRAFFIC CONTROL ADVANCED SIGNING OR
SDD 15D27 FOR SHOULDER CLOSURE.

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 9B	SHEET 293	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025491_TC_STAGE9B_WEST.DWG
LAYOUT NAME - SHEET - (31)

PLOT DATE : 7/17/2018 7:00 PM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

NOTE: SEE TRAFFIC CONTROL ADVANCED SIGNING OR SDD 15D27 FOR SHOULDER CLOSURE.

RUINS

250th ST.

W05-52R 12"X36"

N

C/L TEMPORARY WB LANES

EXISTING WB STRUCTURE

136WB'S9B' 138WB'S9B' 140WB'S9B' 142WB'S9B' 144WB'S9B' 146WB'S9B' 148WB'S9B' 150WB'S9B'

690 695 700

IH 94

PROPOSED R/L IH 94 EB

INL

690EB 692EB 694EB 696EB 698EB 700EB 702EB

CRASH CUSHION TEMPORARY

EXISTING EB STRUCTURE

LEFT SHOULDER CLOSED W21-5-4L

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

PI: 155+30.91WB'S9B'
BEGIN TAPER

C/L TEMPORARY WB LANES

PI: 161+30.96WB'S9B'
END TAPER

C/L EXISTING WB LANES

152WB'S9B' 154WB'S9B' 156WB'S9B' 158WB'S9B' 160WB'S9B' 162WB'S9B' 164WB'S9B' 166WB

705 710

IH 94

INL

4EB 706EB 708EB 710EB 712EB 714EB 716EB 718EB

PROPOSED R/L IH 94 EB

SIGN

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 9B	SHEET 294	E

2

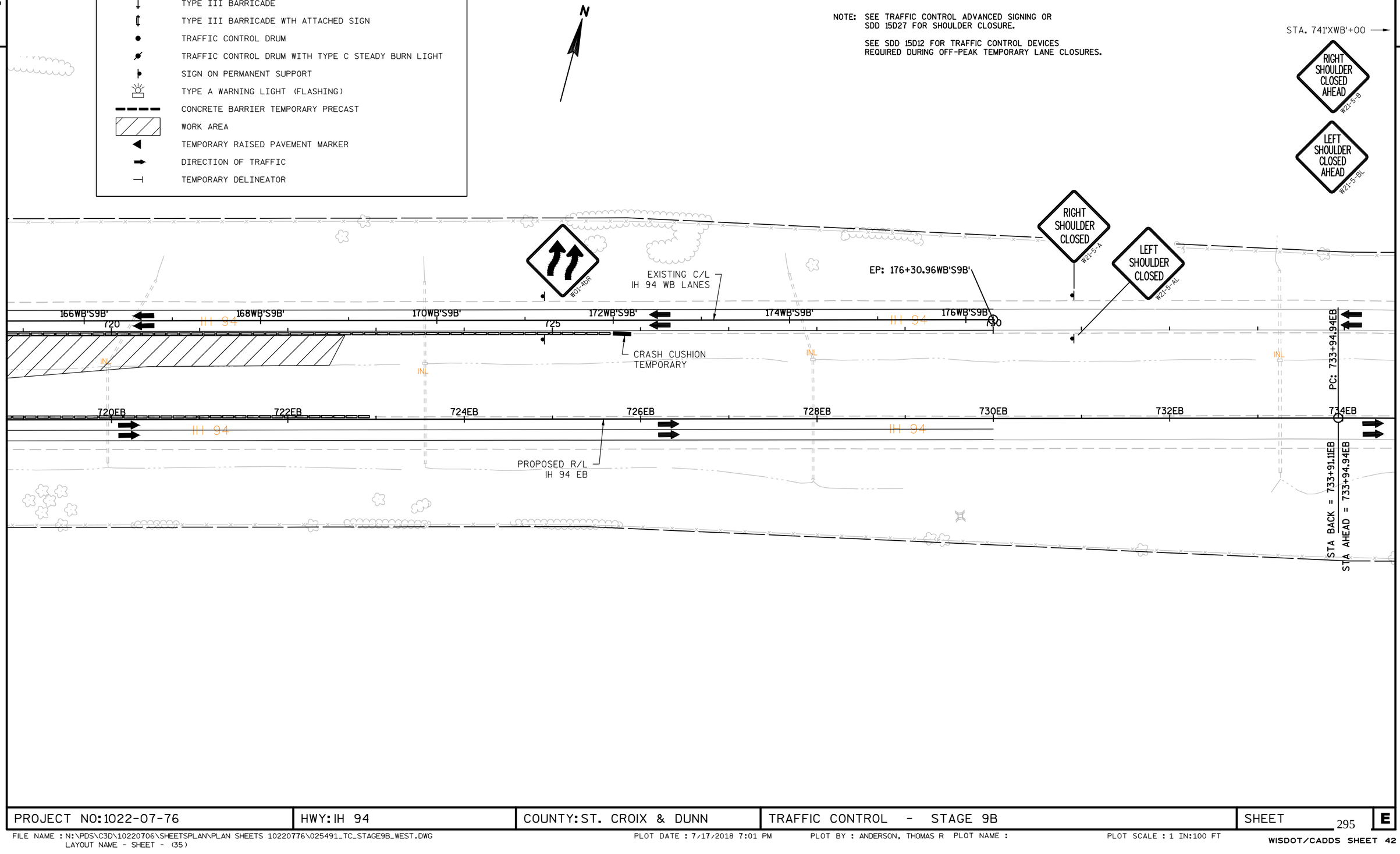
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER
- DIRECTION OF TRAFFIC
- TEMPORARY DELINEATOR

N

NOTE: SEE TRAFFIC CONTROL ADVANCED SIGNING OR SDD 15D27 FOR SHOULDER CLOSURE.

SEE SDD 15D12 FOR TRAFFIC CONTROL DEVICES REQUIRED DURING OFF-PEAK TEMPORARY LANE CLOSURES.



PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	TRAFFIC CONTROL - STAGE 9B	SHEET	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\025491_TC_STAGE9B_WEST.DWG
LAYOUT NAME - SHEET - (35)
PLOT DATE : 7/17/2018 7:01 PM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

2

N

EXISTING R/W FENCE
TO REMAIN

IH 94

225WB

230WB

IH 94

235WB

INL

INL

MEDIAN CABLE BARRIER (TYP.)

225EB

230EB

235EB

IH 94

IH 94

SIGN

EXISTING R/W FENCE
TO REMAIN

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 296	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\027101_FN_FENCING_CABLEBARRIER_WEST.DWG
LAYOUT NAME - 2 - SHEET - (2)

PLOT DATE : 7/30/2018 10:38 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

EXISTING R/W FENCE
TO REMAIN

240WB

IH 94

245WB

250WB

IH 94

NL

MEDIAN CABLE BARRIER (TYP.)

240EB

245EB

250EB

IH 94

IH 94

SIGN

EXISTING R/W FENCE
TO REMAIN

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 297	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\027101_FN_FENCING_CABLEBARRIER_WEST.DWG
LAYOUT NAME - 3 - SHEET - (3)

PLOT DATE : 7/30/2018 10:38 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

EXISTING R/W FENCE
TO REMAIN

REMOVE AND REPLACE
R/W FENCE (TYP.)

SIGN

A/C

STH 128

CAUTION

B-55-266

INL

255WB

260WB

IH 94

265WB

MEDIAN CABLE BARRIER (TYP.)

255EB

260EB

265EB

EXISTING R/W FENCE
TO REMAIN

REMOVE AND REPLACE
R/W FENCE (TYP.)

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 298	E

2

2

N

REMOVE AND REPLACE
R/W FENCE (TYP.)

SIGN

SIGN

270WB

IH 94

275WB

280WB

IH 94

INL

MEDIAN CABLE BARRIER (TYP.)

INL

270EB

275EB

280EB

IH 94

IH 94

FO

FO

FO

FO

FO

FO

FO

FO

FO

FO

REMOVE AND REPLACE
R/W FENCE (TYP.)

T

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\027101_FN_FENCING_CABLEBARRIER_WEST.DWG
LAYOUT NAME - SHEET - (5)

PLOT DATE : 7/30/2018 10:38 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

REMOVE AND REPLACE
R/W FENCE (TYP.)

SIGN

285WB

IH 94

290WB

MEDIAN CABLE BARRIER (TYP.)

INL

295WB

IH 94

MEDIAN CABLE BARRIER (TYP.)

INL

285EB

290EB

295EB

IH 94

IH 94

REMOVE AND REPLACE
R/W FENCE (TYP.)

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 300	E

2

2

N

REMOVE AND REPLACE
R/W FENCE (TYP.)

SIGN

300WB

IH 94

305WB

310WB

IH 94

315W

INL

INL

MEDIAN CABLE BARRIER (TYP.)

300EB

305EB

310EB

315E

IH 94

IH 94

SIGN

REMOVE AND REPLACE
R/W FENCE (TYP.)

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 301	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\027101_FN_FENCING_CABLEBARRIER_WEST.DWG
LAYOUT NAME - SHEET - (7)

PLOT DATE : 7/30/2018 10:38 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

53rd AVE

310th STREET

IH 94

REMOVE AND REPLACE
R/W FENCE (TYP.)

B-55-247
317WB+29.89

B-55-248
317EB+29.50

SIGN

320WB

325WB

330WB

320EB

325EB

330EB

MEDIAN CABLE BARRIER (TYP.)

MEDIAN CABLE BARRIER (TYP.)

REMOVE AND REPLACE
R/W FENCE (TYP.)

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\027101_FN_FENCING_CABLEBARRIER_WEST.DWG
LAYOUT NAME - SHEET - (8)
PLOT DATE : 7/30/2018 10:39 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

2

N

315th ST

SEPV

SEPV

SEPTIC

53rd AVE

53rd AVE

REMOVE AND REPLACE
R/W FENCE (TYP.)

IH 94

335WB

IH 94

340WB

345WB

INL

INL

MEDIAN CABLE BARRIER (TYP.)

335EB

340EB

345EB

IH 94

IH 94

SIGN

REMOVE AND REPLACE
R/W FENCE (TYP.)

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 303	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\027101_FN_FENCING_CABLEBARRIER_WEST.DWG
LAYOUT NAME - SHEET - (9)

PLOT DATE : 7/30/2018 10:39 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

53rd AVE

53rd AVE

REMOVE AND REPLACE
R/W FENCE (TYP.)

IH 94

350WB

355WB

IH 94

360WB

MEDIAN CABLE BARRIER (TYP.)

NL

NL

355EB

350EB

355EB

IH 94

IH 94

360EB

REMOVE AND REPLACE
R/W FENCE (TYP.)

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 304	E

2

2

N

53rd AVE

REMOVE AND REPLACE
R/W FENCE (TYP.)

365WB

IH 94

370WB

375WB

IH

MEDIAN CABLE BARRIER (TYP.)

INL

INL

365EB

370EB

375EB

IH 94

IH

REMOVE AND REPLACE
R/W FENCE (TYP.)

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 305	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\027101_FN_FENCING_CABLEBARRIER_WEST.DWG
LAYOUT NAME - SHEET - (11)

PLOT DATE : 7/30/2018 10:39 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

SIGN

REMOVE AND REPLACE
R/W FENCE (TYP.)

B-55-245
392WB+11.11

50th AVENUE

380WB

385WB

390WB

IH 94

MEDIAN CABLE BARRIER (TYP.)

RIPRAP

380EB

385EB

390EB

IH 94

REMOVE AND REPLACE
R/W FENCE (TYP.)

SLAB

BRIDGEMAN DR

B-55-246
391EB+93.48

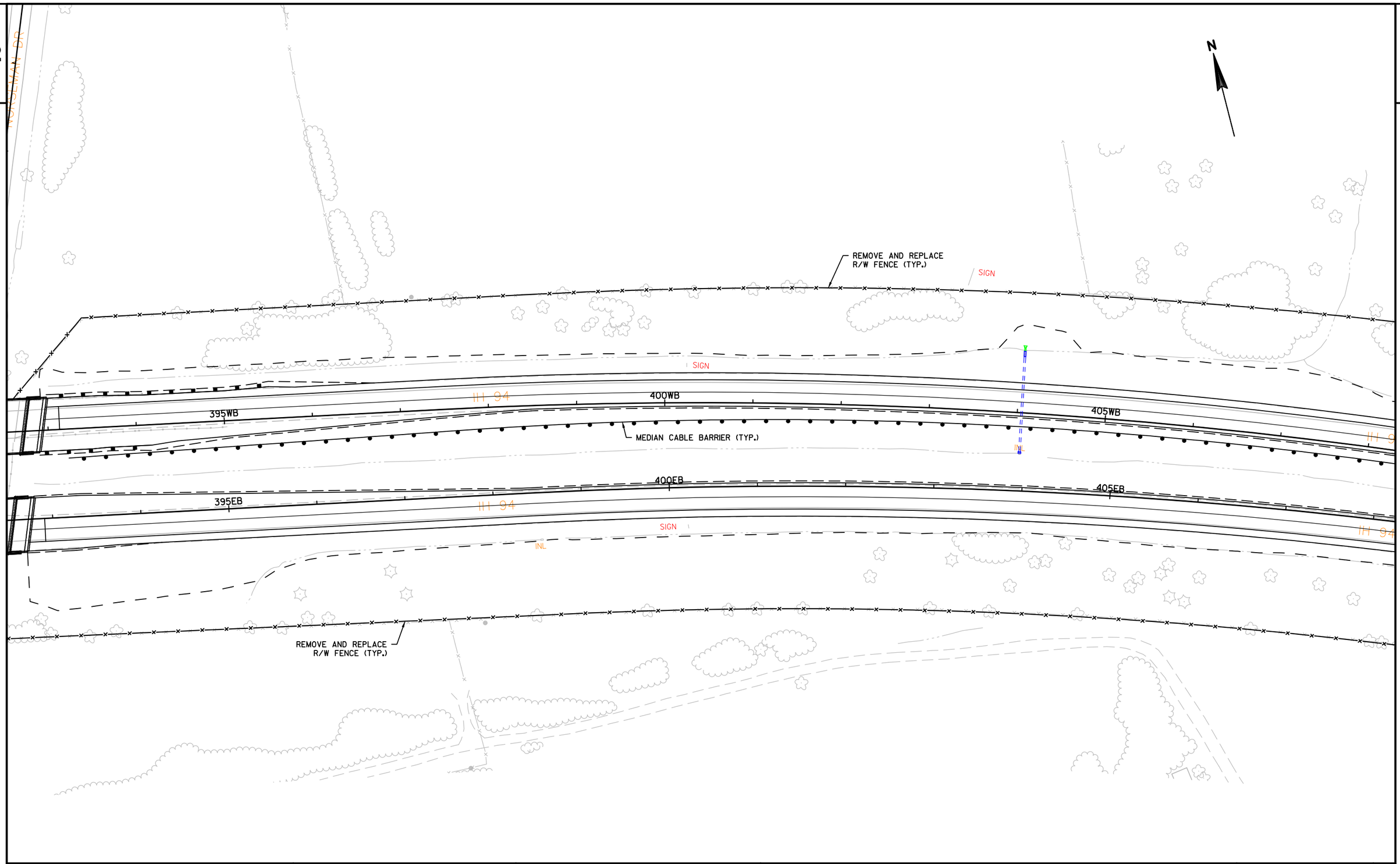
PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 306	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\027101_FN_FENCING_CABLEBARRIER_WEST.DWG
LAYOUT NAME - SHEET - (12)

PLOT DATE : 7/30/2018 10:40 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 307	E

2

2

N

REMOVE AND REPLACE
R/W FENCE (TYP.)

IH 94

410WB

415WB

420WB

MEDIAN CABLE BARRIER (TYP.)

410EB

415EB

420EB

REMOVE AND REPLACE
R/W FENCE (TYP.)

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 308	E

2

2

N

REMOVE AND REPLACE
R/W FENCE (TYP.)

SIGN

IH 94

425WB

430WB

435WB

MEDIAN CABLE BARRIER (TYP.)

425EB

430EB

435EB

IH 94

IH 94

IH 94

MEDIAN CABLE BARRIER (TYP.)

SIGN

RIPRAP

REMOVE AND REPLACE
R/W FENCE (TYP.)

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 309	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\027101_FN_FENCING_CABLEBARRIER_WEST.DWG
LAYOUT NAME - SHEET - (15)

PLOT DATE : 7/30/2018 10:40 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

REMOVE AND REPLACE
R/W FENCE (TYP.)

RIPRAP

SIGN

SIGN

IH 94

440WB

445WB

450WB

IH 94

INL

MEDIAN CABLE BARRIER (TYP.)

INL

MEDIAN CABLE BARRIER (TYP.)

440EB

445EB

450EB

IH 94

IH 94

RIPRAP

SIGN

REMOVE AND REPLACE
R/W FENCE (TYP.)

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 310	E

2

2

N

REMOVE AND REPLACE
R/W FENCE (TYP.)

455WB

455EB

460WB

460EB

IH 94

MEDIAN CABLE BARRIER (TYP.)

465WB

465EB

IH 94

SIGN

REMOVE AND REPLACE
R/W FENCE (TYP.)

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 311	E

2

2

N

REMOVE AND REPLACE
R/W FENCE (TYP.)

RUINS
CORN CRIB
RUINS
CONVEYOR
FEEDER

470WB
474NW
476NW
478NW
480NW
482NW
IH 94
475WB
480WB
SIGN

MEDIAN CABLE BARRIER (TYP.)

470EB
475EB
480EB
IH 94
472SW
474SW
476SW
478SW
480SW
482SW
SIGN

REMOVE AND REPLACE
R/W FENCE (TYP.)

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 312	E

2

2

N

REMOVE AND REPLACE
R/W FENCE (TYP.)

484NE
486NE
488NE
490NE
492NE
494NE
496NE
498NE

B-17-215
483WB+87.65

CTH O

IH 94

485WB
490WB
495WB

MEDIAN CABLE BARRIER (TYP.)

485EB
490EB
495EB

B-17-214
483EB+93.97

494SE
492SE
490SE
488SE
486SE
484SW

REMOVE AND REPLACE
R/W FENCE (TYP.)

SEPV
SEPC
A/C

SIGN
MH
T
A/C
FILLER CAP

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 313	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\027101_FN_FENCING_CABLEBARRIER_WEST.DWG
LAYOUT NAME - SHEET - (19)

PLOT DATE : 7/30/2018 10:41 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

REMOVE AND REPLACE
R/W FENCE (TYP.)

SIGN

500WB

505WB

IH 94

510WB

MEDIAN CABLE BARRIER (TYP.)

500EB

505EB

IH 94

510EB

REMOVE AND REPLACE
R/W FENCE (TYP.)

CTH Q

CTH Q

SEPV
SEPTIC
SEPV
SEPC
SEPV
SEPC
W
W
T
W

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 314	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\027101_FN_FENCING_CABLEBARRIER_WEST.DWG
LAYOUT NAME - SHEET - (20)

PLOT DATE : 7/30/2018 10:42 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:100 FT

2

2

N

REMOVE AND REPLACE
R/W FENCE (TYP.)

IH 94

515WB

520WB

525WB

MEDIAN CABLE BARRIER (TYP.)

515EB

520EB

525EB

SIGN

CTH Q

REMOVE AND REPLACE
R/W FENCE (TYP.)

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 315	E

2

2

N

REMOVE AND REPLACE
R/W FENCE (TYP.)

530WB

IH 94

535WB

540WB

IH 94

MEDIAN CABLE BARRIER (TYP.)

530EB

535EB

540EB

IH 94

IH 94

SIGN

REMOVE AND REPLACE
R/W FENCE (TYP.)

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 316	E

2

2

N

REMOVE AND REPLACE
R/W FENCE (TYP.)

SIGN

545WB

545EB

550WB

IH 94

MEDIAN CABLE BARRIER (TYP.)

550EB

555WB

555EB

IH 94

SIGN

REMOVE AND REPLACE
R/W FENCE (TYP.)

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 317	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\027101_FN_FENCING_CABLEBARRIER_WEST.DWG
LAYOUT NAME - SHEET - (23)

PLOT DATE : 7/30/2018 10:42 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

REMOVE AND REPLACE
R/W FENCE (TYP.)

IH 94

560WB

MEDIAN CABLE BARRIER (TYP.)

560EB

IH 94

565WB

565EB

IH 94

570WB

MEDIAN CABLE BARRIER (TYP.)

570EB

IH 94

REMOVE AND REPLACE
R/W FENCE (TYP.)

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 318	E

2

N

160th ST

160th STREET

REMOVE AND REPLACE
R/W FENCE (TYP.)

590WB

585WB

IH 94

575WB

580WB

590EB

575EB

580EB

585EB

MEDIAN CABLE BARRIER (TYP.)

EXISTING B-17-20
TO REMAIN

REMOVE AND REPLACE
R/W FENCE (TYP.)

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 319	E

2

2

N

REMOVE AND REPLACE
R/W FENCE (TYP.)

IH 94

595WB

IH 94 WB

600WB

IH 94

605WB

IH 94 EB

IH 94

595EB

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 320 E

2

2

N

REMOVE AND REPLACE
R/W FENCE (TYP.)

IH 94 WB

IH 94

605WB

610WB

615WB

620WB

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 321	E

2

2

N

REMOVE AND REPLACE
R/W FENCE (TYP.)

IH 94

620WB

625WB

IH 94 WB

630WB

IH 94

630EB

IH 94 EB

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 322	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\027101_FN_FENCING_CABLEBARRIER_WEST.DWG
LAYOUT NAME - SHEET - (28)

PLOT DATE : 7/30/2018 10:43 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

IH 94 WB

590WB

595WB

IH 94

590EB

595EB

IH 94 EB

600EB

605E

IH 94

REMOVE AND REPLACE
R/W FENCE (TYP.)

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 323	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\027101_FN_FENCING_CABLEBARRIER_WEST.DWG
LAYOUT NAME - SHEET - (29)

PLOT DATE : 7/30/2018 10:44 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

RIPRAP

605EB

610EB

IH 94 EB

IH 94

615EB

620EB

IH 94

REMOVE AND REPLACE
R/W FENCE (TYP.)

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 324	E

2

2

IH 94

625WB

IH 94 WB

630WB

IH 94

635WB

REMOVE AND REPLACE
R/W FENCE (TYP.)

N

620EB

IH 94

625EB

IH 94 EB

630EB

IH 94

635EB

REMOVE AND REPLACE
R/W FENCE (TYP.)

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 325 E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\027101_FN_FENCING_CABLEBARRIER_WEST.DWG
LAYOUT NAME - SHEET - (31)

PLOT DATE : 7/30/2018 10:44 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

REMOVE AND REPLACE
R/W FENCE (TYP.)

635WB

640WB

IH 94

645WB

650WB

IH 94

IN

IN

635EB

640EB

645EB

650EB

IH 94

IH 94

REMOVE AND REPLACE
R/W FENCE (TYP.)

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 326	E

2

2

N

REMOVE AND REPLACE
R/W FENCE (TYP.)

94
650WB
655WB
IH 94
660WB
665WB

IN
IN

650EB
655EB
660EB
665EB

94
IH 94

SIGN

REMOVE AND REPLACE
R/W FENCE (TYP.)

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 327	E

2

2

N

REMOVE AND REPLACE
R/W FENCE (TYP.)

665WB

IH 94

670WB

675WB

IH 94

680WB

665EB

IH 94

670EB

675EB

IH 94

680EB

REMOVE AND REPLACE
R/W FENCE (TYP.)

RUSH CR

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 328	E

2

2

N

REMOVE AND REPLACE
R/W FENCE (TYP.)

680WB

685WB

IH 94

690WB

IH 94

695WB

INL

680EB

685EB

IH 94

690EB

INL

695EB

IH 94

REMOVE AND REPLACE
R/W FENCE (TYP.)

PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 329	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\027101_FN_FENCING_CABLEBARRIER_WEST.DWG
LAYOUT NAME - SHEET - (35)

PLOT DATE : 7/30/2018 10:45 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

REMOVE AND REPLACE
R/W FENCE (TYP.)

RUINS

SEPTIC

SEPV

SEPC

SEPV

SEPC

250th STREET

B-17-218

695WB

IH 94

700WB

705WB

710WB

INL

695EB

700EB

IH 94

705EB

710EB

B-17-217

REMOVE AND REPLACE
R/W FENCE (TYP.)

th ST

PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 330	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\027101_FN_FENCING_CABLEBARRIER_WEST.DWG
LAYOUT NAME - SHEET - (36)

PLOT DATE : 7/30/2018 10:45 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

RUSH CR

710WB

715WB

720WB

725WB

IH 94

INL

710EB

715EB

720EB

725EB

IH 94

SIGN

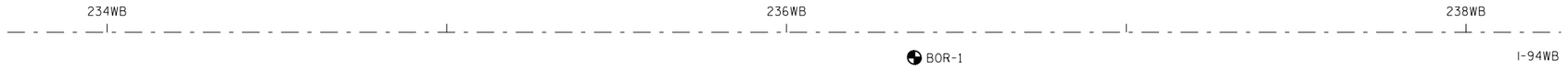
PROJECT NO:1022-07-76	HWY:IH 94	COUNTY:ST. CROIX & DUNN	FENCING AND MEDIAN CABLE BARRIER	SHEET 331	E

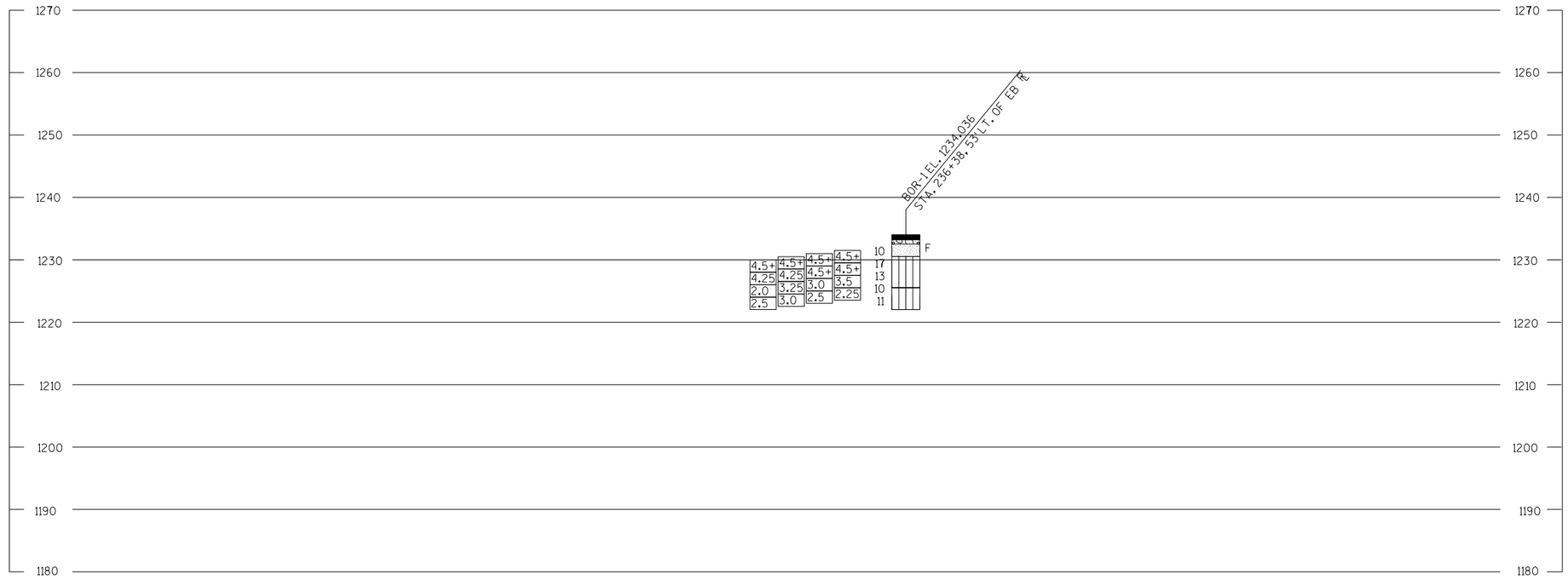
FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\027101_FN_FENCING_CABLEBARRIER_WEST.DWG
LAYOUT NAME - 37 - SHEET - (37)

PLOT DATE : 7/30/2018 10:46 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	5/15/2018	191662	88942
BORINGS COMPLETED BY: WISDOT			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) ST CROIX COUNTY			
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT			





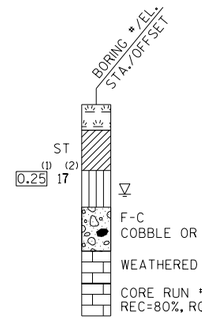
STATE PROJECT NUMBER

1022-07-76

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

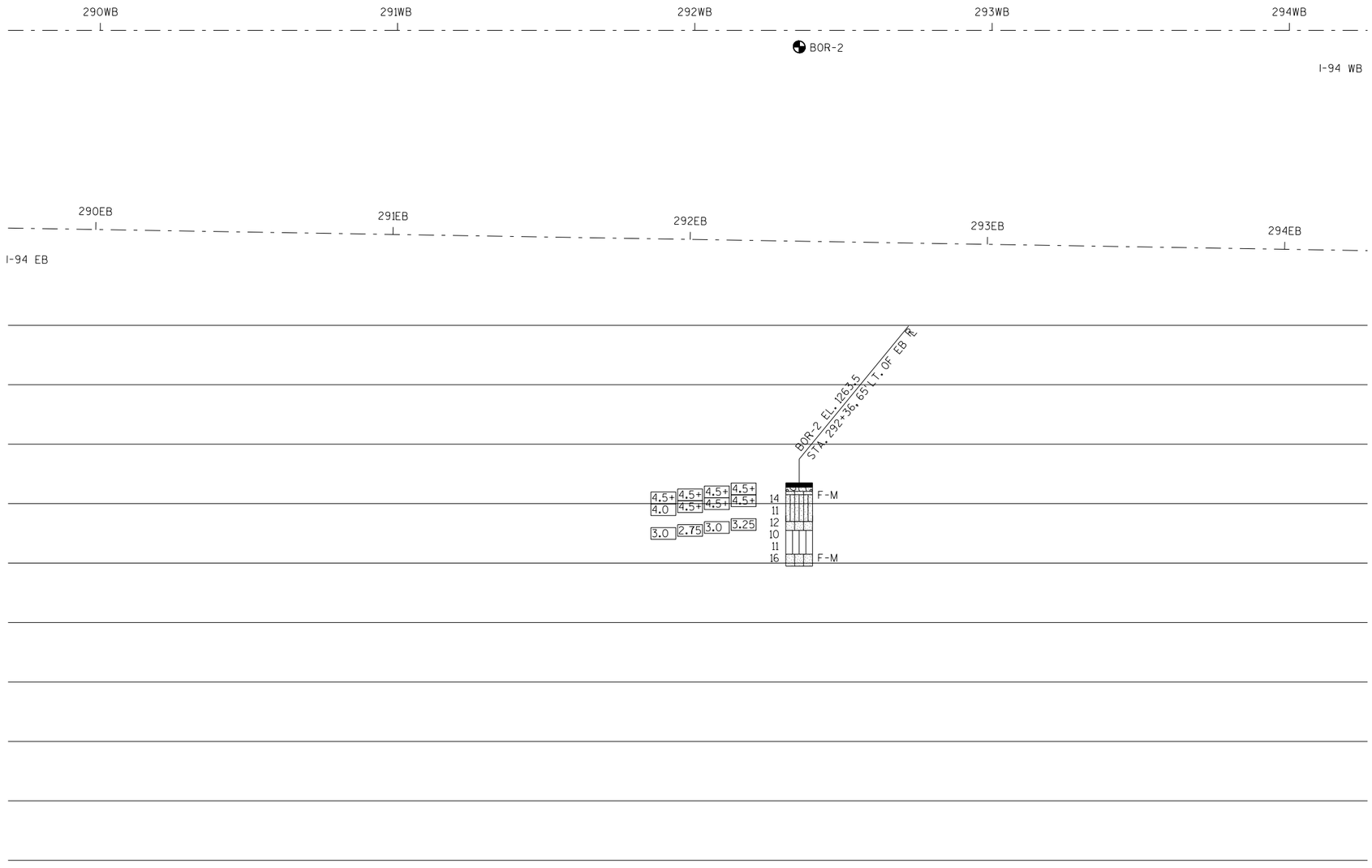
F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

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.

PROJECT NO:1022-07-76	HWY:I-94	COUNTY:St Croix	CABLE GUARD SOILS BORINGS	SHEET	E

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
2	5/15/2018	191614	94535
BORINGS COMPLETED BY: WISDOT			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) ST CROIX COUNTY			
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT			



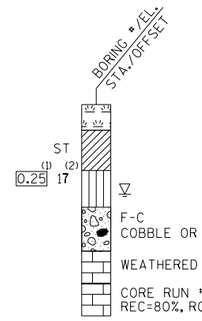
STATE PROJECT NUMBER

1022-07-76

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

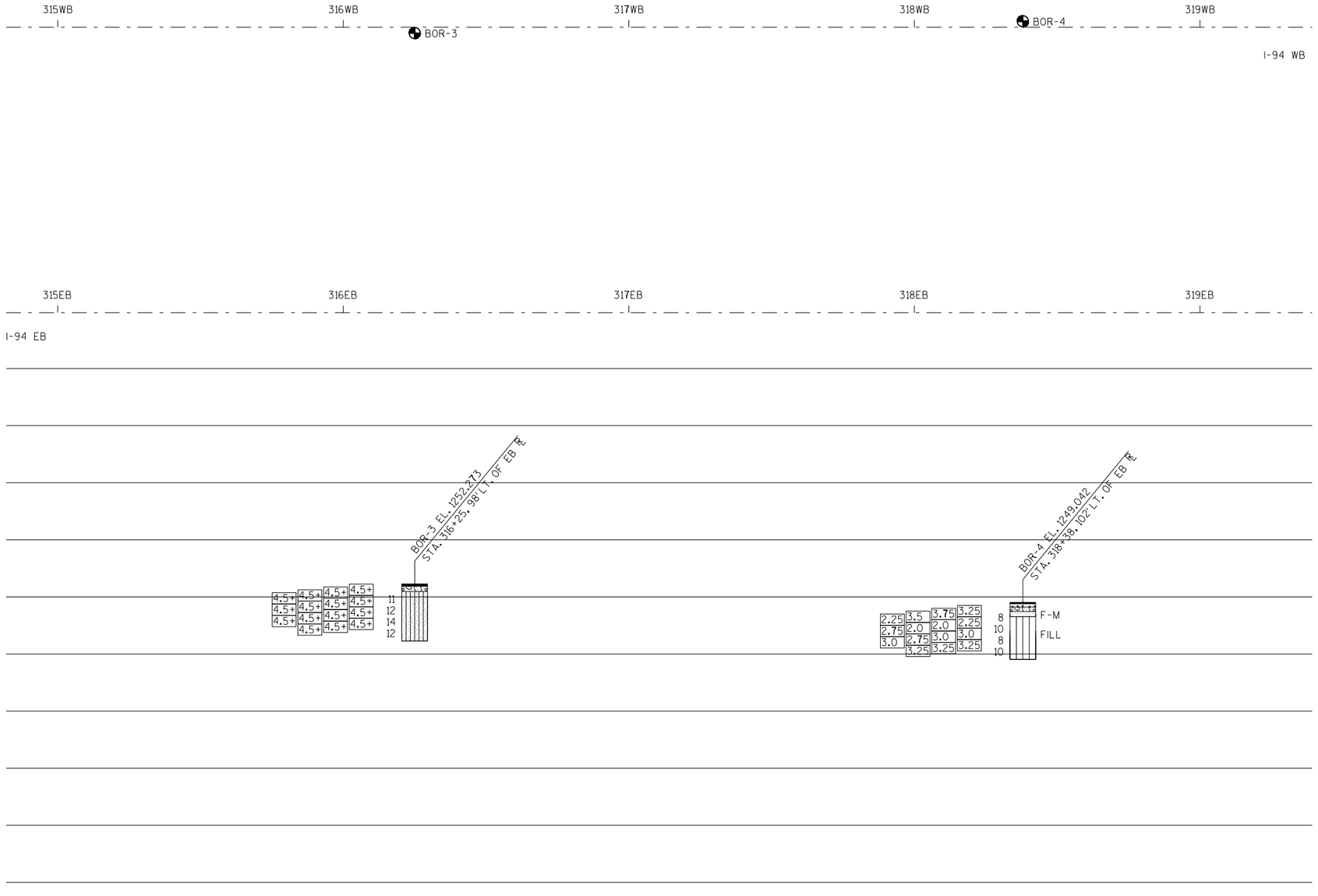
F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

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.

PROJECT NO:1022-07-76	HWY:I-94	COUNTY:St Croix	CABLE GUARD SOILS BORINGS	SHEET	E

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
3	5/16/2018	191594	96925
4	5/16/2018	191596	97138
BORINGS COMPLETED BY: WISDOT			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) ST CROIX COUNTY			
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT			



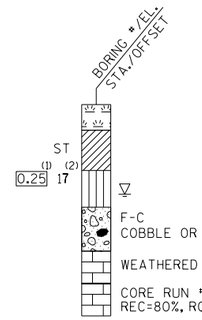
STATE PROJECT NUMBER

1022-07-76

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

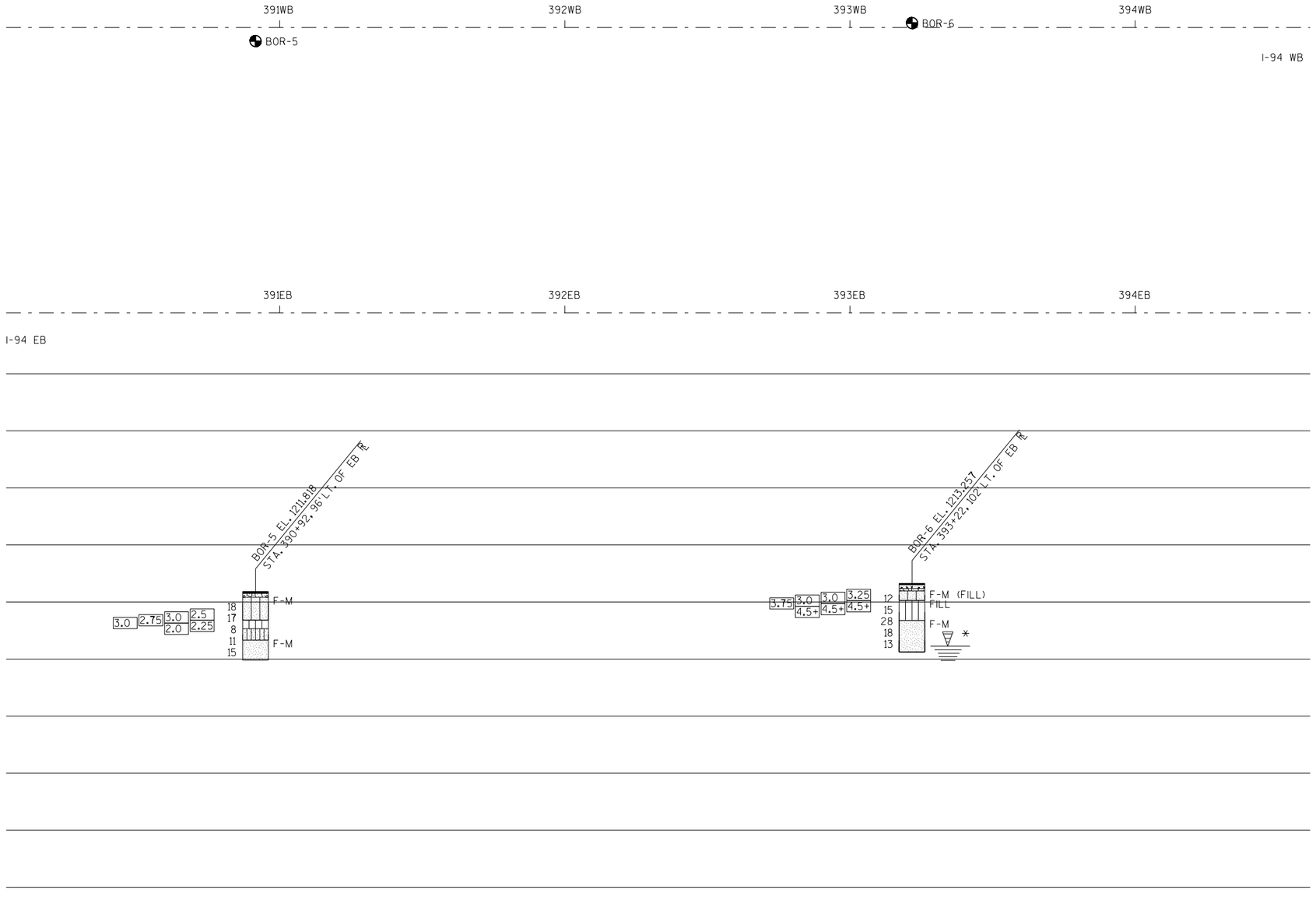
SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

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PROJECT NO:1022-07-76	HWY:I-94	COUNTY:St Croix	CABLE GUARD SOILS BORINGS	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
5	5/16/2018	190841	104336
6	5/16/2018	190802	104563
BORINGS COMPLETED BY: WISDOT			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) ST CROIX COUNTY			
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT			



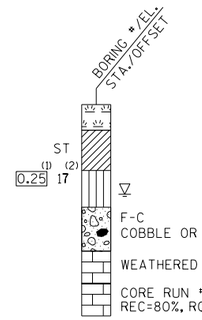
STATE PROJECT NUMBER

1022-07-76

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)

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ABBREVIATIONS

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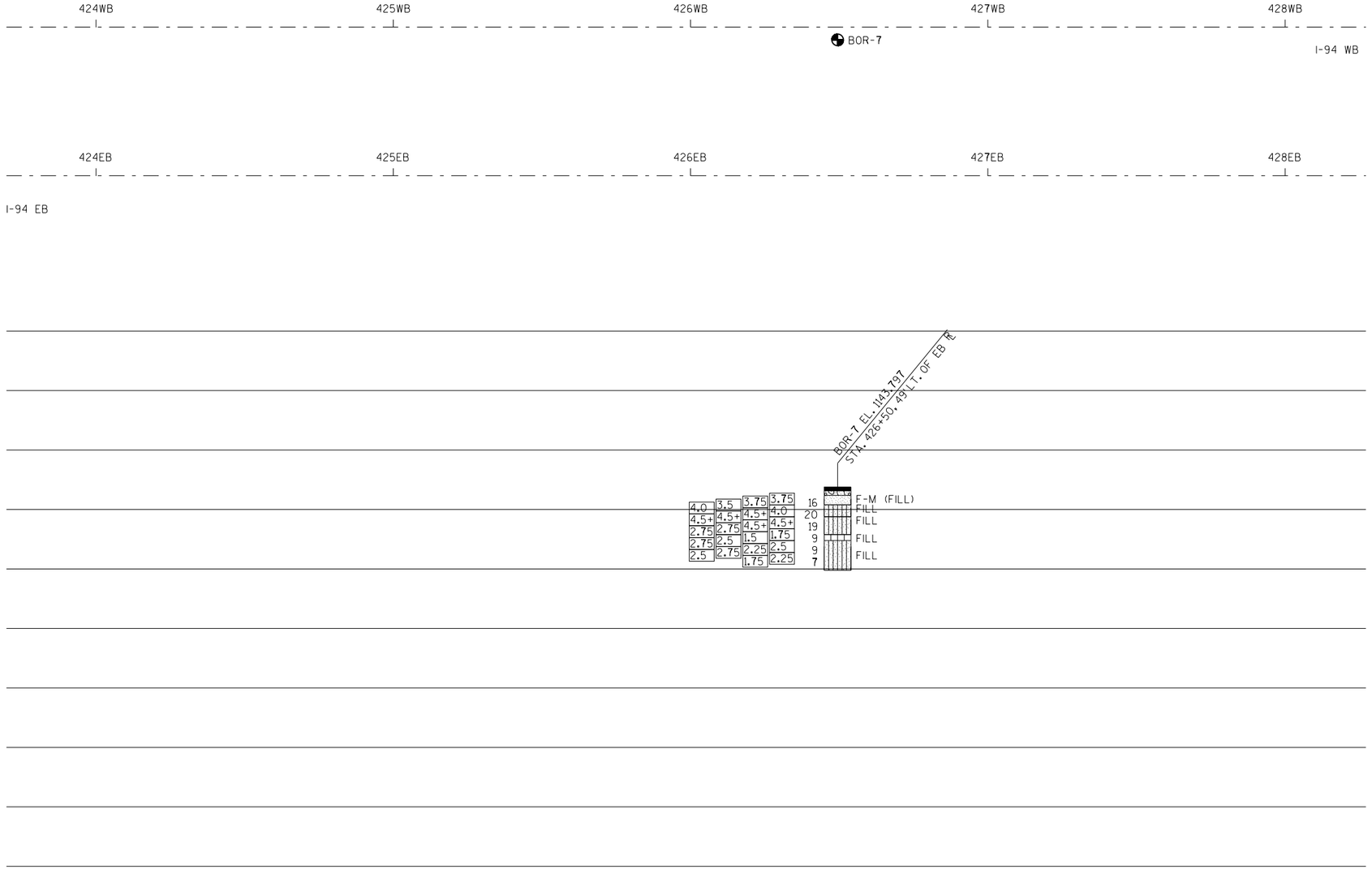
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* THE GROUND WATER ELEVATION WAS DETERMINED FROM WHERE THE SOIL SAMPLE WAS DESCRIBED AS WET.

PROJECT NO:1022-07-76	HWY:I-94	COUNTY:St Croix	CABLE GUARD SOILS BORINGS	SHEET	E

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
7	5/16/2018	189482	107577
BORINGS COMPLETED BY: WISDOT			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) ST CROIX COUNTY			
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT			



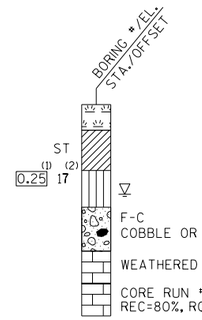
STATE PROJECT NUMBER

1022-07-76

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

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- ▼ END OF DRILLING
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ABBREVIATIONS

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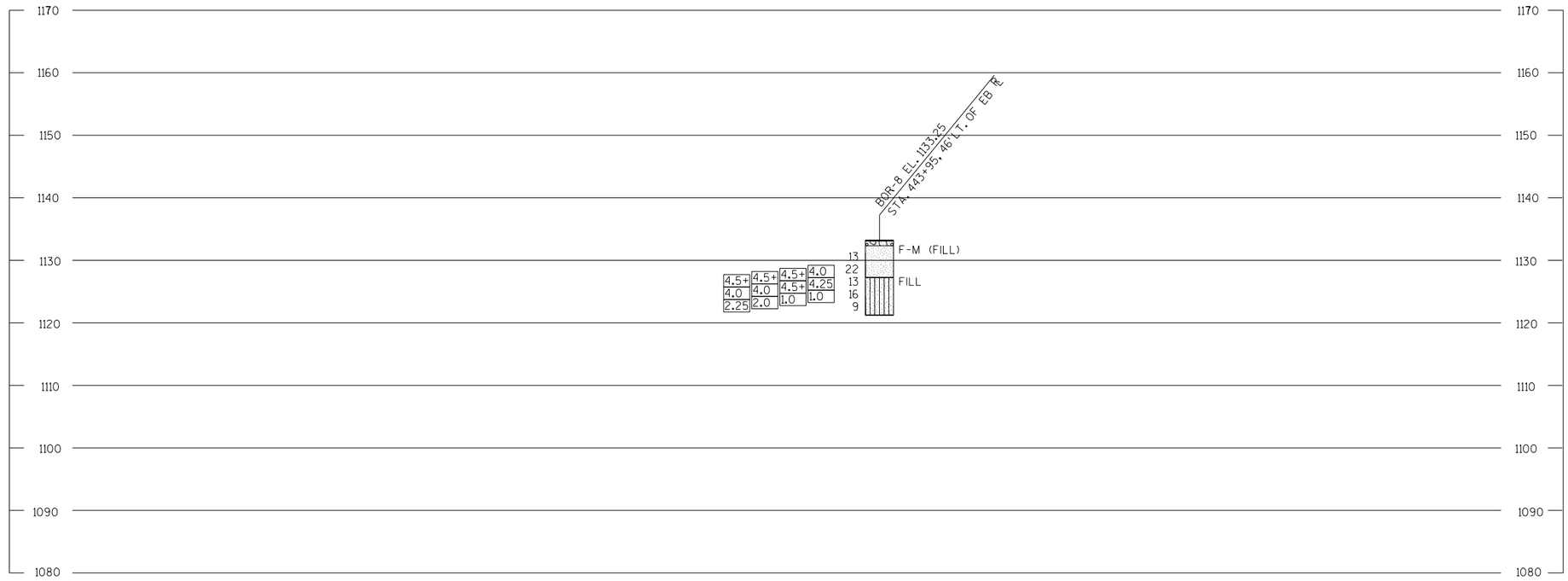
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PROJECT NO:1022-07-76	HWY:I-94	COUNTY:St Croix	CABLE GUARD SOILS BORINGS	SHEET	E

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
8	5/16/2018	188486	109010
BORINGS COMPLETED BY: WISDOT			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) DUNN COUNTY			
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT			





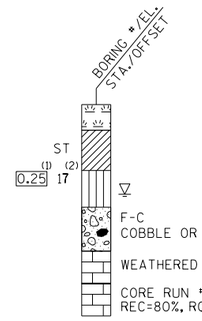
STATE PROJECT NUMBER

1022-07-76

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
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SHALE	SANDSTONE	IGNEOUS/ META

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- END OF DRILLING
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ABBREVIATIONS

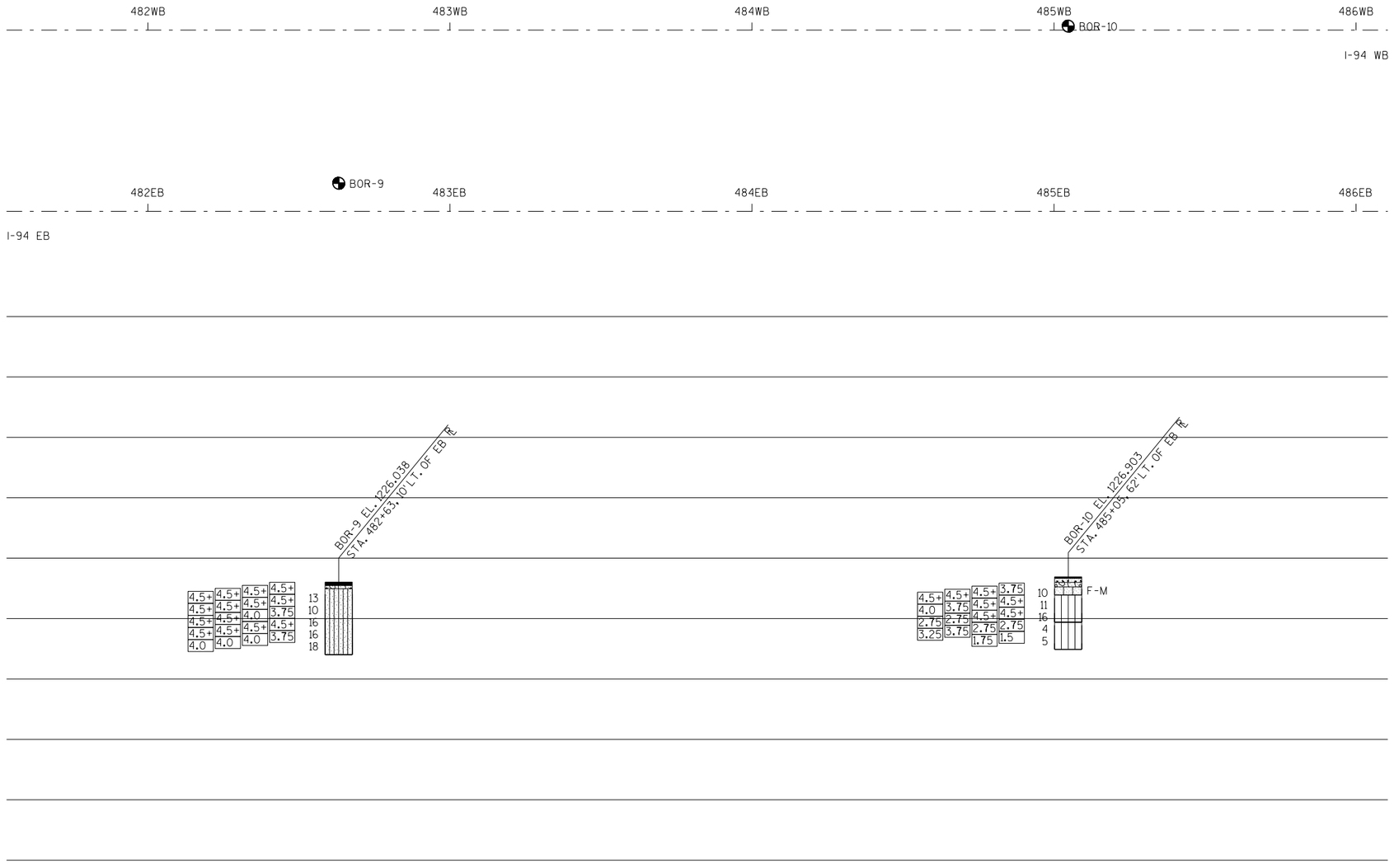
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PROJECT NO:1022-07-76	HWY: I-94	COUNTY: Dunn	CABLE GUARD SOILS BORINGS	SHEET	E

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
9	5/15/2018	186951	112475
10	5/16/2018	186974	112721
BORINGS COMPLETED BY: WISDOT			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) DUNN COUNTY			
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT			



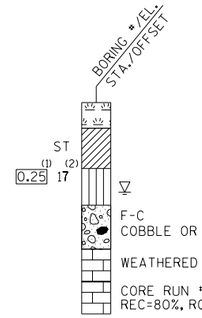
STATE PROJECT NUMBER

1022-07-76

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

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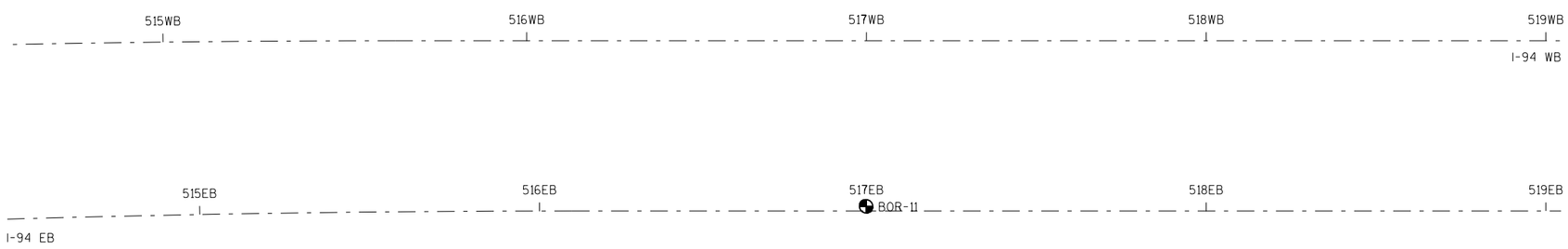
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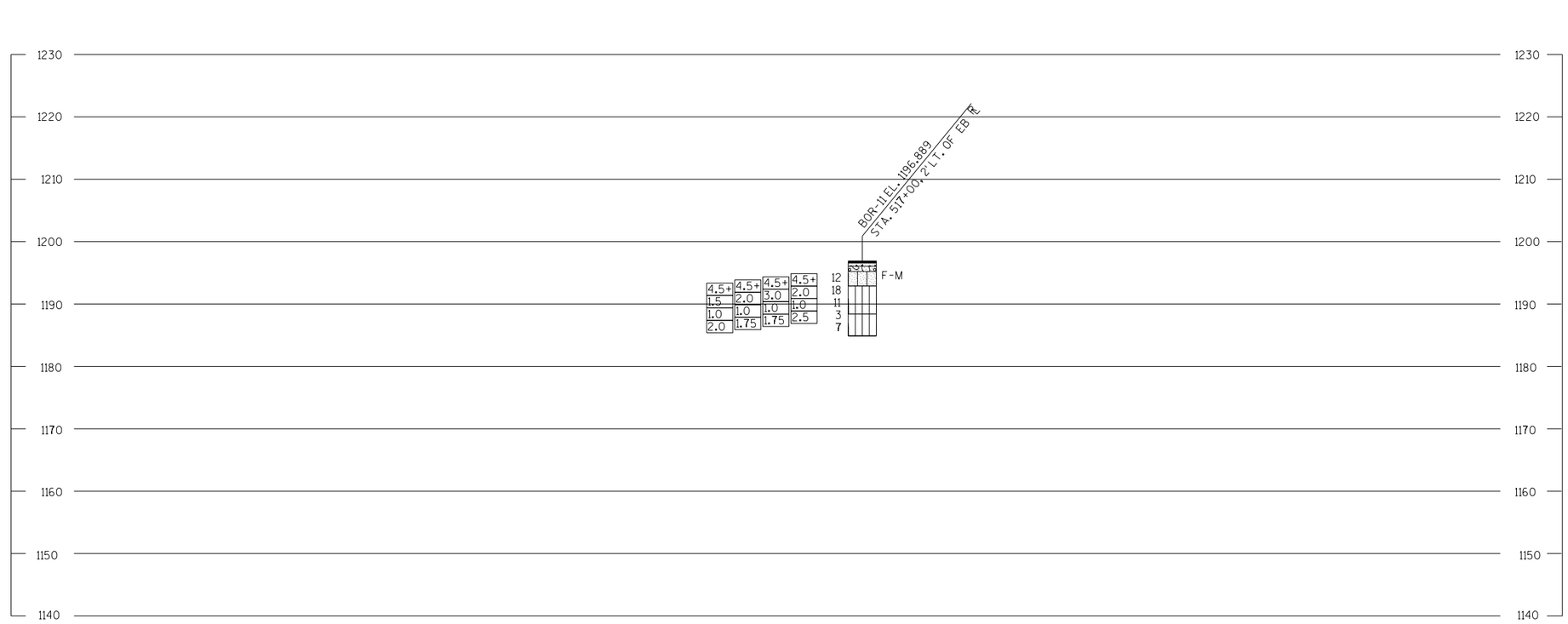
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PROJECT NO:1022-07-76	HWY: I-94	COUNTY: Dunn	CABLE GUARD SOILS BORINGS	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
11	5/15/2018	186410	115859
BORINGS COMPLETED BY: WISDOT			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) DUNN COUNTY			
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT			





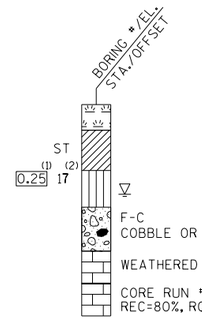
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1022-07-76

MATERIAL SYMBOLS

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SHALE	SANDSTONE	IGNEOUS/ META

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ABBREVIATIONS

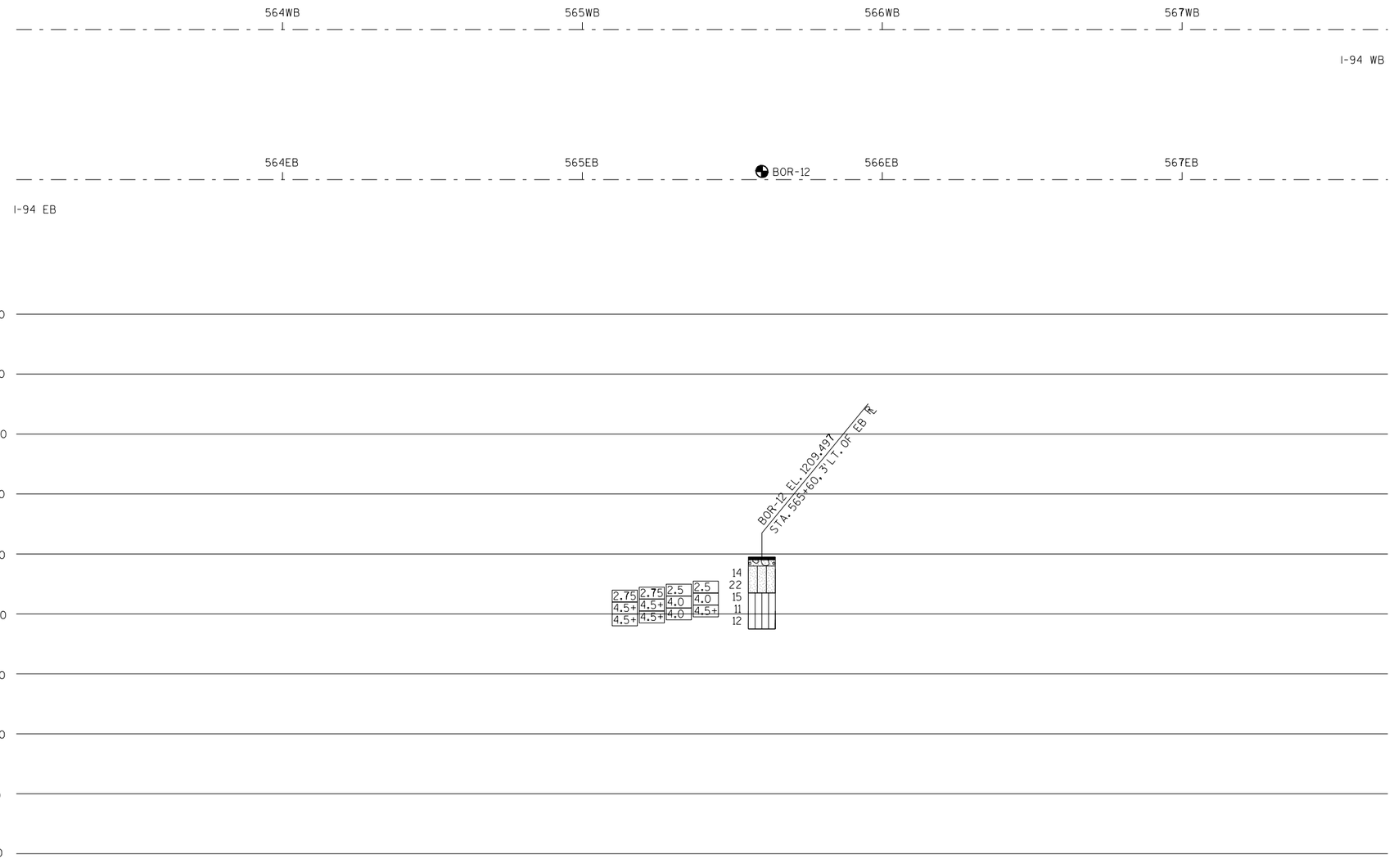
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PROJECT NO:1022-07-76	HWY: I-94	COUNTY: Dunn	CABLE GUARD SOILS BORINGS	SHEET	E

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
12	5/15/2018	185515	120601
BORINGS COMPLETED BY: WISDOT			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) DUNN COUNTY			
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT			



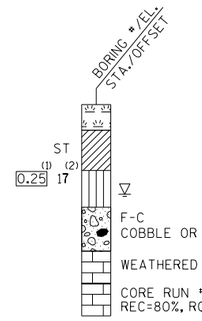
STATE PROJECT NUMBER

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MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
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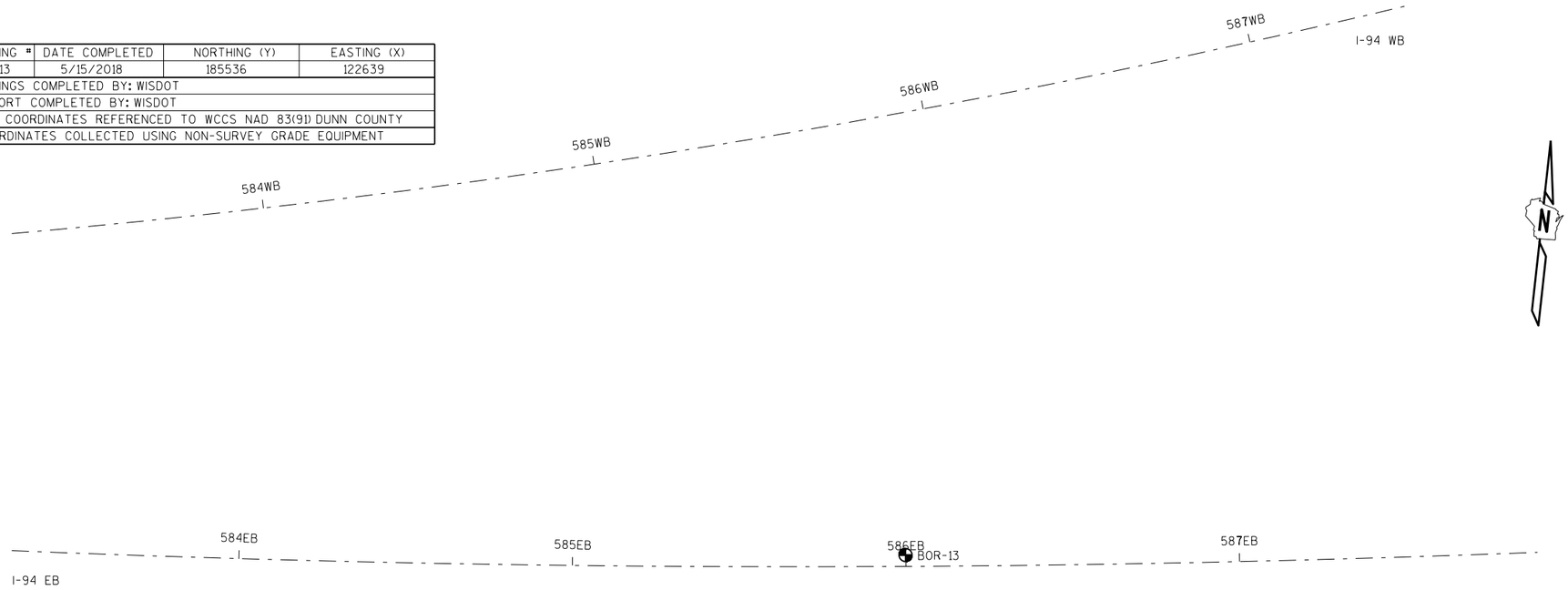
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PROJECT NO:1022-07-76	HWY: I-94	COUNTY: Dunn	CABLE GUARD SOILS BORINGS	SHEET	E

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
13	5/15/2018	185536	122639
BORINGS COMPLETED BY: WISDOT			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) DUNN COUNTY			
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT			



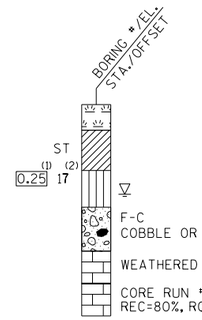
STATE PROJECT NUMBER

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PROJECT NO:1022-07-76	HWY: I-94	COUNTY: Dunn	CABLE GUARD SOILS BORINGS	SHEET	E

2

Alignment: IH 94 EB Ref Line

Tangent N 191675.236E 85804.048Z Station 205+00(1)
Distance 4011.196' Bearing "S 88° 53' 24.28 E"""

Arc
PC N191597.536E 89814.491 Station 245+11.2(1)
CC N214499.551E 90258.2
PI N 191594.586E 89966.783 Station 246+63.52(1)
TAN 152.320'
DB "S 88° 53' 24.28 E"""
DA "S 89° 39' 7.44 E"""
LChord Distance 304.633' Bearing "S 89° 16' 15.86 E"""
External Distance.506'
Middle Ordinate .506'
Radius 22906.312'
DEG "0° 15' 0.47"""
DELTA "0° 45' 43.16"""
LENGTH 304.635'
PT N191593.661 E 90119.1 Station 248+21.13(2)

Tangent N 191593.661 E 90119.1 Z Station 248+21.13(2)
***Station Equation ***BACK STA248+15.83 AHEAD STA 248+21.13
Distance 848.505' Bearing "S 89° 39' 7.44 E"""

Arc
PC N191588.508E 90967.589 Station 256+69.63(2)
CC N177088.776 E 90879.537
PI N 191588.019 E 91048.182 Station 257+50.23(2)
TAN 80.594'
DB "S 89° 39' 7.44 E"""
DA "S 89° 0' 54.54 E"""
LChord Distance 161.186' Bearing "S 89° 20' 0.99 E"""
External Distance.224'
Middle Ordinate .224'
Radius 14500.000'
DEG "0° 23' 42.52"""
DELTA "0° 38' 12.9"""
LENGTH 161.186'
PT N191586.634E 91128.764 Station 258+30.82(2)

Tangent N 191586.634E 91128.764 Z Station 258+30.82(2)
Distance 288.611' Bearing "S 89° 0' 54.54 E"""

Arc
PC N191581.673 E 91417.332 Station 261+19.43(2)
CC N206079.531 E 91666.559
PI N 191580.288E 91497.914 Station 262+00.03(2)
TAN 80.594'
DB "S 89° 0' 54.54 E"""
DA "S 89° 39' 7.44 E"""
LChord Distance 161.186' Bearing "S 89° 20' 0.99 E"""
External Distance.224'
Middle Ordinate .224'
Radius 14500.000'
DEG "0° 23' 42.52"""
DELTA "0° 38' 12.9"""
LENGTH 161.186'
PT N191579.798E 91578.507 Station 262+80.59(3)

Tangent N 191579.798E 91578.507 Z Station 262+80.59(3)
***Station Equation ***BACK STA262+80.62AHEAD STA 262+80.59
Distance 2076.562' Bearing "S 89° 39' 7.44 E"""

Arc
PC N191567.188 E 93655.03 Station 283+57.16(3)
CC N168567.612E 93515.361
PI N 191565.754E 93891.229 Station 285+93.36(3)
TAN 236.204'
DB "S 89° 39' 7.44 E"""
DA "S 88° 28' 31.02 E"""
LChord Distance 472.382' Bearing "S 89° 3' 49.23 E"""
External Distance1.213'
Middle Ordinate 1.213'
Radius 23000.000'
DEG "0° 14' 56.8"""
DELTA "1° 10' 36.42"""
LENGTH 472.391'
PT N191559.469E 94127.349 Station 288+29.55(3)

Tangent N 191559.469E 94127.349 Z Station 288+29.55(3)
Distance 1966.353' Bearing "S 88° 28' 31.02 E"""

Arc
PC N191507.148 E 96093.006 Station 307+95.9(3)
CC N214405.35 E 96702.501
PI N 191502.086E 96283.19 Station 309+86.15(3)
TAN 190.252'
DB "S 88° 28' 31.02 E"""
DA "S 89° 25' 37.27 E"""
LChord Distance 380.491' Bearing "S 88° 57' 4.15 E"""
External Distance.790'
Middle Ordinate .790'
Radius 22906.312'
DEG "0° 15' 0.47"""
DELTA "0° 57' 6.25"""
LENGTH 380.495'
PT N191500.183E 96473.433 Station 311+74.6(4)

Tangent N 191500.183E 96473.433Z Station 311+74.6(4)
***Station Equation ***BACK STA311+76.39 AHEAD STA 311+74.6
Distance 3218.279' Bearing "S 89° 25' 37.27 E"""

Arc
PC N191468 E 99691.551 Station 343+92.88(4)
CC N179997.417E 99576.836
PI N 191457.209E 100770.532 Station 354+71.91(4)
TAN 1079.035'
DB "S 89° 25' 37.27 E"""
DA "S 78° 40' 46.5 E"""
LChord Distance 2148.585' Bearing "S 84° 3' 11.89 E"""
External Distance50.638'
Middle Ordinate 50.415'
Radius 11471.156'
DEG "0° 29' 58.12"""
DELTA "10° 44' 50.77"""
LENGTH 2151.738'
PT N191245.399E 101828.573 Station 365+53.63(5)

Tangent N 191245.399E 101828.573Z Station 365+53.63(5)
***Station Equation ***BACK STA365+44.62AHEAD STA 365+53.63
Distance 3290.868' Bearing "S 78° 40' 46.5 E"""

Arc
PC N190599.416E 105055.417 Station 398+44.5(5)
CC N184969.542 E 103928.371
PI N 190365.221E 106225.284 Station 410+37.58(5)
TAN 1193.078'
DB "S 78° 40' 46.5 E"""
DA "S 55° 12' 7.22 E"""
LChord Distance 2336.250' Bearing "S 66° 56' 26.86 E"""
External Distance122.649'
Middle Ordinate 120.083'
Radius 5741.578'
DEG "0° 59' 52.48"""
DELTA "23° 28' 39.29"""
LENGTH 2352.675'
PT N189684.349 E 107205.002 Station 422+28.48(6)

Tangent N 189684.349 E 107205.002 Z Station 422+28.48(6)
***Station Equation ***BACK STA421+97.17 AHEAD STA 422+28.48
Distance 3749.499' Bearing "S 55° 12' 7.22 E"""

Arc
PC N187544.567 E 110283.976 Station 459+77.98(6)
CC N189925.957 E 111938.962
PI N 187132.205E 110877.331 Station 467+00.55(6)
TAN 722.574'
DB "S 55° 12' 7.22 E"""
DA "S 83° 11' 3.24 E"""
LChord Distance 1402.274' Bearing "S 69° 11' 35.23 E"""
External Distance88.664'
Middle Ordinate 86.034'
Radius 2900.000'
DEG "1° 58' 32.58"""
DELTA "27° 58' 56.03"""
LENGTH 1416.308'
PT N187046.452 E 111594.798 Station 473+78.05(7)

Tangent N 187046.452 E 111594.798 Z Station 473+78.05(7)
***Station Equation ***BACK STA473+94.29AHEAD STA 473+78.05
Distance 3101.280' Bearing "S 83° 11' 3.24 E"""

Arc
PC N186678.401E 114674.16 Station 504+79.33(7)
CC N180969.037 E 113991.766
PI N 186611.118 E 115237.096 Station 510+46.27(7)
TAN 566.942'
DB "S 83° 11' 3.24 E"""
DA "S 71° 55' 19.44 E"""
LChord Distance 1128.412' Bearing "S 77° 33' 11.34 E"""
External Distance27.882'
Middle Ordinate 27.748'
Radius 5750.000'
DEG "0° 59' 47.21"""
DELTA "11° 15' 43.81"""
LENGTH 1130.231'
PT N186435.19 E 115776.051 Station 516+13.33(8)

Tangent N 186435.19 E 115776.051 Z Station 516+13.33(8)
***Station Equation ***BACK STA516+09.56 AHEAD STA 516+13.33
Distance 2015.991' Bearing "S 71° 55' 19.44 E"""

Arc
PC N185809.607 E 117692.523 Station 536+29.32(8)
CC N191244.938E 119466.747
PI N 185539.345 E 118520.471 Station 545+00.26(8)
TAN 870.941'
DB "S 71° 55' 19.44 E"""
DA "S 89° 14' 39.44 E"""
LChord Distance 1722.019' Bearing "S 80° 34' 59.44 E"""
External Distance65.954'
Middle Ordinate 65.201'
Radius 5717.578'
DEG "1° 0' 7.56"""
DELTA "17° 19' 20.01"""
LENGTH 1728.594'
PT N185527.857 E 119391.336 Station 553+50.37(9)

Tangent N 185527.857 E 119391.336 Z Station 553+50.37(9)
***Station Equation ***BACK STA553+57.92AHEAD STA 553+50.37
Distance 2514.288' Bearing "S 89° 14' 39.44 E"""

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Alignment: IH 94 EB Ref Line - continued

Arc
PC N185494.696 E 121905.406 Station 578+64.66(9)
CC N191211.776 E 121980.817
PI N 185485.57 E 122597.294 Station 585+56.61(9)
TAN 691.948'
DB "S 89° 14' 39.44 E"""
DA "N 76° 57' 17.36 E"""
LChord Distance 1373.871' Bearing "N 83° 51' 18.96 E"""
External Distance41.718'
Middle Ordinate 41.416'
Radius 5717.578'
DEG "1° 0' 7.56"""
DELTA "13° 48' 3.2"""
LENGTH 1377.198'
PT N185641.756E 123271.384 Station 592+41.86(9)

Tangent N 185641.756E 123271.384Z Station 592+41.86(9)
Distance 1372.563' Bearing "N 76° 57' 17.36 E"""

Arc
PC N185951.569E 124608.525 Station 606+14.42(9)
CC N182218.738E 125473.418
PI N 186081.164 E 125167.849 Station 611+88.56(9)
TAN 574.141'
DB "N 76° 57' 17.36 E"""
DA "S 86° 0' 6.04 E"""
LChord Distance 1135.605' Bearing "N 85° 28' 35.67 E"""
External Distance42.776'
Middle Ordinate 42.303'
Radius 3831.719'
DEG "1° 29' 43.09"""
DELTA "17° 2' 36.6"""
LENGTH 1139.803'
PT N186041.131 E 125740.593 Station 617+54.22(9)

Tangent N 186041.131 E 125740.593 Z Station 617+54.22(9)
Distance 1085.864' Bearing "S 86° 0' 6.04 E"""

Arc
PC N185965.417E 126823.815 Station 628+40.09(9)
CC N208909.437 E 128427.542
PI N 185937.459 E 127223.787 Station 632+41.04(9)
TAN 400.949'
DB "S 86° 0' 6.04 E"""
DA "S 87° 59' 56.75 E"""
LChord Distance 801.776' Bearing "S 87° 0' 1.4 E"""
External Distance3.495'
Middle Ordinate 3.494'
Radius 23000.000'
DEG "0° 14' 56.8"""
DELTA "1° 59' 50.72"""
LENGTH 801.816'
PT N185923.46 E 127624.492 Station 638+52.1(10)

Tangent N 185923.46 E 127624.492 Z Station 638+52.1(10)
***Station Equation ***BACK STA636+41.9 AHEAD STA 638+52.1
Distance 1880.165' Bearing "S 87° 59' 56.75 E"""

Arc
PC N185857.814E 129503.51 Station 657+32.26(10)
CC N197297.99 E 129903.19
PI N 185824.974 E 130443.487 Station 666+72.82(10)
TAN 940.551'
DB "S 87° 59' 56.75 E"""
DA "N 82° 36' 23.9 E"""
LChord Distance 1874.784' Bearing "N 87° 18' 13.57 E"""
External Distance38.575'
Middle Ordinate 38.445'
Radius 11447.156'
DEG "0° 30' 1.89"""
DELTA "9° 23' 39.36"""
LENGTH 1876.886'
PT N185946.005 E 131376.218 Station 675+96.24(11)

Tangent N 185946.005 E 131376.218 Z Station 675+96.24(11)
***Station Equation ***BACK STA676+09.15 AHEAD STA 675+96.24
Distance 5794.865' Bearing "N 82° 36' 23.9 E"""

Arc
PC N186691.693E 137122.905 Station 733+94.94(12)
***Station Equation ***BACK STA733+91.11 AHEAD STA 733+94.94
CC N180989.498 E 137862.82
PI N 186894.425 E 138685.277 Station 749+70.41(12)
TAN 1575.470'
DB "N 82° 36' 23.9 E"""
DA "S 66° 44' 52.76 E"""
LChord Distance 3038.932' Bearing "S 82° 4' 14.43 E"""
External Distance211.930'
Middle Ordinate 204.396'
Radius 5750.000'
DEG "0° 59' 47.21"""
DELTA "30° 38' 43.35"""
LENGTH 3075.461'
PT N186272.467 E 140132.782 Station 764+99.23(13)

Tangent N 186272.467 E 140132.782Z Station 764+99.23(13)
***Station Equation ***BACK STA764+70.4 AHEAD STA 764+99.23
Distance 3743.977' Bearing "S 66° 44' 52.76 E"""

Arc
PC N184794.435 E 143572.663 Station 802+43.21(13)
CC N188294.976 E 145076.76
PI N 184549.243 E 144143.306 Station 808+64.3(13)
TAN 621.089'
DB "S 66° 44' 52.76 E"""
DA "S 85° 15' 55.13 E"""
LChord Distance 1225.995' Bearing "S 76° 0' 23.94 E"""
External Distance50.292'
Middle Ordinate 49.636'
Radius 3810.000'
DEG "1° 30' 13.77"""
DELTA "18° 31' 2.37"""
LENGTH 1231.347'
PT N184497.978 E 144762.276 Station 814+63.41(14)

Tangent N 184497.978 E 144762.276 Z Station 814+63.41(14)
***Station Equation ***BACK STA814+74.55 AHEAD STA 814+63.41
Distance 2129.677' Bearing "S 85° 15' 55.13 E"""

Arc
PC N184322.19 E 146884.685 Station 835+93.09(14)
CC N178600.205 E 146410.765
PI N 184251.352E 147739.965 Station 844+51.3(14)
TAN 858.209'
DB "S 85° 15' 55.13 E"""
DA "S 68° 15' 46.4 E"""
LChord Distance 1697.559' Bearing "S 76° 45' 50.76 E"""
External Distance63.785'
Middle Ordinate 63.084'
Radius 5741.578'
DEG "0° 59' 52.48"""
DELTA "17° 0' 8.73"""
LENGTH 1703.803'
PT N183933.516E 148537.149 Station 853+08.53(15)

Tangent N 183933.516E 148537.149Z Station 853+08.53(15)
***Station Equation ***BACK STA852+96.89AHEAD STA 853+08.53
Distance 1151.478' Bearing "S 68° 15' 46.4 E"""

Arc
PC N183507.067 E 149606.749 Station 864+60.01(15)
CC N162142.531 E 141088.734
PI N 183464.478 E 149713.569 Station 865+75.01(15)
TAN 114.997'
DB "S 68° 15' 46.4 E"""
DA "S 67° 41' 23.82 E"""
LChord Distance 229.991' Bearing "S 67° 58' 35.11 E"""
External Distance.287'
Middle Ordinate .287'
Radius 23000.000'
DEG "0° 14' 56.8"""
DELTA "0° 34' 22.58"""
LENGTH 229.992'
PT N183420.823 E 149819.958 Station 866+90(15)

Tangent N 183420.823 E 149819.958Z Station 866+90(15)
Distance 770.056' Bearing "S 67° 41' 23.82 E"""

Arc
PC N183128.496E 150532.37 Station 874+60.06(15)
CC N204406.788 E 159263.594
PI N 183084.841E 150638.759 Station 875+75.05(15)
TAN 114.997'
DB "S 67° 41' 23.82 E"""
DA "S 68° 15' 46.4 E"""
LChord Distance 229.991' Bearing "S 67° 58' 35.11 E"""
External Distance.287'
Middle Ordinate .287'
Radius 23000.000'
DEG "0° 14' 56.8"""
DELTA "0° 34' 22.58"""
LENGTH 229.992'
PT N183042.252 E 150745.579 Station 876+90(16)

Tangent N 183042.252 E 150745.579 Z Station 876+90(16)
***Station Equation ***BACK STA876+90.05AHEAD STA 876+90
Distance 2115.182' Bearing "S 68° 15' 46.4 E"""

Arc
PC N182258.898 E 152710.356 Station 898+05.18(16)
CC N185835.135E 154136.198
PI N 181894.924E 153623.261 Station 907+87.97(16)
TAN 982.788'
DB "S 68° 15' 46.4 E"""
DA "N 83° 5' 49.23 E"""
LChord Distance 1904.504' Bearing "S 82° 34' 58.59 E"""
External Distance123.458'
Middle Ordinate 119.622'
Radius 3850.000'
DEG "1° 29' 17.53"""
DELTA "28° 38' 24.38"""
LENGTH 1924.477'
PT N182013.044E 154598.925 Station 917+29.66(16)

Tangent N 182013.044E 154598.925 Z Station 917+29.66(16)
***Station Equation ***BACK STA917+29.66 AHEAD STA 14+07.31
Distance 1323.874' Bearing "N 83° 5' 49.23 E"""

Arc
PC N182172.158 E 155913.202 Station 27+31.18(17)
CC N179352.955 E 156254.512
PI N 182229.58 E 156387.505 Station 32+08.95(17)
TAN 477.767'
DB "N 83° 5' 49.23 E"""
DA "S 77° 48' 10.64 E"""
LChord Distance 942.291' Bearing "S 87° 21' 10.71 E"""
External Distance39.909'
Middle Ordinate 39.356'
Radius 2839.789'
DEG "2° 1' 3.38"""
DELTA "19° 6' 0.14"""
LENGTH 946.668'
PT N182128.641 E 156854.487 Station 36+77.85(17)

Alignment: IH 94 EB Ref Line - continued

Tangent N 182128.641 E 156854.487 Z Station 36+77.85(17)
Distance 987.334' Bearing "S 77° 48' 10.64 E"""

Arc
PC N181920.042E 157819.534 Station 46+65.19(17)
CC N187544.721E 159035.329
PI N 181767.684E 158524.394 Station 53+86.33(17)
TAN 721.139'
DB "S 77° 48' 10.64 E"""
DA "N 87° 54' 41.03 E"""
LChord Distance 1431.085' Bearing "S 84° 56' 44.81 E"""
External Distance45.009'
Middle Ordinate 44.660'
Radius 5754.578'
DEG "0° 59' 44.36"""
DELTA "14° 17' 8.34"""
LENGTH 1434.798'
PT N181793.966E 159245.054 Station 60+99.98(17)

Tangent N 181793.966E 159245.054 Z Station 60+99.98(17)
Distance 2578.971' Bearing "N 87° 54' 41.03 E"""

End N 181887.956E 161822.312 Z Station 86+78.96(17)

Alignment Length = 78247.12'

Alignment: IH 94 WB Ref Line

Tangent N 191725.226E 85805.017 Z Station 205+00(1)
Distance 4011.196' Bearing "S 88° 53' 24.28 E"""

Arc
PC N191647.527E 89815.46 Station 245+11.2(1)
CC N214499.551E 90258.2
PI N 191644.583E 89967.419 Station 246+63.18(1)
TAN 151.988'
DB "S 88° 53' 24.28 E"""
DA "S 89° 39' 7.44 E"""
LChord Distance 303.968' Bearing "S 89° 16' 15.86 E"""
External Distance.505'
Middle Ordinate .505'
Radius 22856.312'
DEG "0° 15' 2.44"""
DELTA "0° 45' 43.16"""
LENGTH 303.971'
PT N191643.66 E 90119.404 Station 248+21.13(2)

Tangent N 191643.66 E 90119.404 Z Station 248+21.13(2)
***Station Equation ***BACK STA248+15.17 AHEAD STA 248+21.13
Distance 848.317' Bearing "S 89° 39' 7.44 E"""

Arc
PC N191638.509E 90967.705 Station 256+69.45(2)
CC N206138.241E 91055.757
PI N 191638.019 E 91048.256 Station 257+50(2)
TAN 80.553'
DB "S 89° 39' 7.44 E"""
DA "N 89° 42' 40.83 E"""
LChord Distance 161.104' Bearing "S 89° 58' 13.31 E"""
External Distance.224'
Middle Ordinate .224'
Radius 14500.000'
DEG "0° 23' 42.52"""
DELTA "0° 38' 11.74"""
LENGTH 161.104'
PT N191638.425E 91128.809 Station 258+30.55(2)

Tangent N 191638.425E 91128.809 Z Station 258+30.55(2)
Distance 288.922' Bearing "N 89° 42' 40.83 E"""

Arc
PC N191639.881 E 91417.726 Station 261+19.47(2)
CC N177140.065E 91490.778
PI N 191640.287E 91498.279 Station 262+00.03(2)
TAN 80.553'
DB "N 89° 42' 40.83 E"""
DA "S 89° 39' 7.44 E"""
LChord Distance 161.104' Bearing "S 89° 58' 13.31 E"""
External Distance.224'
Middle Ordinate .224'
Radius 14500.000'
DEG "0° 23' 42.52"""
DELTA "0° 38' 11.74"""
LENGTH 161.104'
PT N191639.798E 91578.83 Station 262+80.55(3)

Tangent N 191639.798E 91578.83 Z Station 262+80.55(3)
***Station Equation ***BACK STA262+80.58AHEAD STA 262+80.55
Distance 2377.865' Bearing "S 89° 39' 7.44 E"""

Tangent N 191625.358E 93956.651 Z Station 286+56.69(4)
***Station Equation ***BACK STA286+58.42AHEAD STA 286+56.69
Distance 5736.186' Bearing "S 89° 25' 37.27 E"""

Arc
PC N191567.995E 99692.551 Station 343+92.88(4)
CC N179997.417E 99576.836
PI N 191557.11 E 100780.938 Station 354+81.32(4)
TAN 1088.441'
DB "S 89° 25' 37.27 E"""
DA "S 78° 40' 46.5 E"""
LChord Distance 2167.315' Bearing "S 84° 3' 11.89 E"""
External Distance51.079'
Middle Ordinate 50.855'
Radius 11571.156'
DEG "0° 29' 42.58"""
DELTA "10° 44' 50.77"""
LENGTH 2170.496'
PT N191343.454E 101848.203 Station 365+53.63(5)

Tangent N 191343.454E 101848.203Z Station 365+53.63(5)
***Station Equation ***BACK STA365+63.37AHEAD STA 365+53.63
Distance 3191.130' Bearing "S 78° 40' 46.5 E"""

Arc
PC N190717.049E 104977.249 Station 397+44.76(5)
CC N185110.708E 103854.914
PI N 190483.832 E 106142.225 Station 409+32.85(5)
TAN 1188.091'
DB "S 78° 40' 46.5 E"""
DA "S 55° 12' 7.22 E"""
LChord Distance 2326.485' Bearing "S 66° 56' 26.86 E"""
External Distance122.136'
Middle Ordinate 119.581'
Radius 5717.578'
DEG "1° 0' 7.56"""
DELTA "23° 28' 39.29"""
LENGTH 2342.841'
PT N189805.807 E 107117.849 Station 420+87.6(5)

Tangent N 189805.807 E 107117.849 Z Station 420+87.6(5)
Distance 3880.831' Bearing "S 55° 12' 7.22 E"""

Arc
PC N187591.075E 110304.668 Station 459+68.43(5)
CC N189892.639 E 111904.177
PI N 187192.536E 110878.133 Station 466+66.78(5)
TAN 698.352'
DB "S 55° 12' 7.22 E"""
DA "S 83° 11' 3.24 E"""
LChord Distance 1355.269' Bearing "S 69° 11' 35.23 E"""
External Distance85.692'
Middle Ordinate 83.150'
Radius 2802.789'
DEG "2° 2' 39.27"""
DELTA "27° 58' 56.03"""
LENGTH 1368.832'
PT N187109.658E 111571.55 Station 473+47.47(6)

Tangent N 187109.658E 111571.55 Z Station 473+47.47(6)
***Station Equation ***BACK STA473+37.26AHEAD STA 473+47.47
Distance 3082.477' Bearing "S 83° 11' 3.24 E"""

Arc
PC N186743.838 E 114632.243 Station 504+29.95(6)
CC N180993.19 E 113944.914
PI N 186676.068 E 115199.249 Station 510+00.99(6)
TAN 571.042'
DB "S 83° 11' 3.24 E"""
DA "S 71° 55' 19.44 E"""
LChord Distance 1136.572' Bearing "S 77° 33' 11.34 E"""
External Distance28.084'
Middle Ordinate 27.948'
Radius 5791.578'
DEG "0° 59' 21.46"""
DELTA "11° 15' 43.81"""
LENGTH 1138.404'
PT N186498.868 E 115742.101 Station 515+61.3(7)

Alignment: IH 94 WB Ref Line - continued

Tangent N 186498.868 E 115742.101 Z Station 515+61.3(7)
***Station Equation ***BACK STA515+68.35 AHEAD STA 515+61.3
Distance 2068.025' Bearing "S 71° 55' 19.44 E"""

Arc
PC N185857.138E 117708.039 Station 536+29.33(7)
CC N191244.938E 119466.747
PI N 185589.24 E 118528.746 Station 544+92.65(7)
TAN 863.325'
DB "S 71° 55' 19.44 E"""
DA "S 89° 14' 39.44 E"""
LChord Distance 1706.960' Bearing "S 80° 34' 59.44 E"""
External Distance65.377'
Middle Ordinate 64.631'
Radius 5667.578'
DEG "1° 0' 39.38"""
DELTA "17° 19' 20.01"""
LENGTH 1713.478'
PT N185577.853 E 119391.996 Station 553+50.37(8)

Tangent N 185577.853 E 119391.996 Z Station 553+50.37(8)
***Station Equation ***BACK STA553+42.8 AHEAD STA 553+50.37
Distance 2370.030' Bearing "S 89° 14' 39.44 E"""

Arc
PC N185546.594 E 121761.82 Station 577+20.4(8)
CC N188411.134 E 121799.604
PI N 185537.501E 122451.21 Station 584+09.85(8)
TAN 689.450'
DB "S 89° 14' 39.44 E"""
DA "N 63° 41' 32.5 E"""
LChord Distance 1340.623' Bearing "N 77° 13' 26.53 E"""
External Distance81.795'
Middle Ordinate 79.524'
Radius 2864.789'
DEG "2° 0' 0"""
DELTA "27° 3' 48.06"""
LENGTH 1353.167'
PT N185843.059 E 123069.252 Station 590+73.57(8)

Tangent N 185843.059 E 123069.252 Z Station 590+73.57(8)
Distance 961.444' Bearing "N 63° 41' 32.5 E"""

Arc
PC N186269.162E 123931.117 Station 600+35.01(8)
CC N183714.533E 125194.117
PI N 186793.257 E 124991.188 Station 612+17.56(8)
TAN 1182.551'
DB "N 63° 41' 32.5 E"""
DA "S 71° 14' 4.4 E"""
LChord Distance 2184.492' Bearing "N 86° 13' 44.06 E"""
External Distance235.616'
Middle Ordinate 217.623'
Radius 2849.789'
DEG "2° 0' 37.9"""
DELTA "45° 4' 23.1"""
LENGTH 2241.854'
PT N186412.837E 126110.879 Station 622+76.87(8)

Tangent N 186412.837E 126110.879 Z Station 622+76.87(8)
Distance 578.402' Bearing "S 71° 14' 4.4 E"""

Arc
PC N186226.768 E 126658.535 Station 628+55.27(8)
CC N188953.477 E 127584.948
PI N 186090.26 E 127060.318 Station 632+79.61(8)
TAN 424.340'
DB "S 71° 14' 4.4 E"""
DA "S 87° 59' 56.75 E"""
LChord Distance 839.614' Bearing "S 79° 37' 0.58 E"""
External Distance31.096'
Middle Ordinate 30.763'
Radius 2879.789'
DEG "1° 59' 22.5"""
DELTA "16° 45' 52.36"""
LENGTH 842.616'
PT N186075.444 E 127484.4 Station 637+06.79(9)

Tangent N 186075.444 E 127484.4 Z Station 637+06.79(9)
***Station Equation ***BACK STA636+97.88AHEAD STA 637+06.79
Distance 2300.356' Bearing "S 87° 59' 56.75 E"""

Arc
PC N185995.127E 129783.353 Station 660+07.15(9)
CC N197447.296 E 130183.452
PI N 185962.253 E 130724.316 Station 669+48.68(9)
TAN 941.537'
DB "S 87° 59' 56.75 E"""
DA "N 82° 36' 23.9 E"""
LChord Distance 1876.749' Bearing "N 87° 18' 13.57 E"""
External Distance38.615'
Middle Ordinate 38.486'
Radius 11459.156'
DEG "0° 30' 0"""
DELTA "9° 23' 39.36"""
LENGTH 1878.853'
PT N186083.41 E 131658.024 Station 678+93.38(10)

Tangent N 186083.41 E 131658.024Z Station 678+93.38(10)
***Station Equation ***BACK STA678+86 AHEAD STA 678+93.38
Distance 5452.126' Bearing "N 82° 36' 23.9 E"""

Arc
PC N186784.994 E 137064.822 Station 733+47.4(11)
***Station Equation ***BACK STA733+45.51 AHEAD STA 733+47.4
CC N181102.633 E 137802.162
PI N 186987.021E 138621.759 Station 749+17.39(11)
TAN 1569.990'
DB "N 82° 36' 23.9 E"""
DA "S 66° 44' 52.76 E"""
LChord Distance 3028.362' Bearing "S 82° 4' 14.43 E"""
External Distance211.192'
Middle Ordinate 203.685'
Radius 5730.000'
DEG "0° 59' 59.73"""
DELTA "30° 38' 43.35"""
LENGTH 3064.763'
PT N186367.227 E 140064.23 Station 763+98.84(12)

Tangent N 186367.227 E 140064.23 Z Station 763+98.84(12)
***Station Equation ***BACK STA764+12.16 AHEAD STA 763+98.84
Distance 3705.381' Bearing "S 66° 44' 52.76 E"""

Arc
PC N184904.431E 143468.65 Station 801+04.22(12)
CC N188423.348 E 144980.642
PI N 184657.953 E 144042.288 Station 807+28.57(12)
TAN 624.350'
DB "S 66° 44' 52.76 E"""
DA "S 85° 15' 55.13 E"""
LChord Distance 1232.431' Bearing "S 76° 0' 23.94 E"""
External Distance50.556'
Middle Ordinate 49.897'
Radius 3830.000'
DEG "1° 29' 45.5"""
DELTA "18° 31' 2.37"""
LENGTH 1237.811'
PT N184606.418E 144664.507 Station 813+57.02(13)

Tangent N 184606.418E 144664.507 Z Station 813+57.02(13)
***Station Equation ***BACK STA813+42.03 AHEAD STA 813+57.02
Distance 2083.606' Bearing "S 85° 15' 55.13 E"""

Arc
PC N184434.433 E 146741.003 Station 834+40.63(13)
CC N178736.366 E 146269.063
PI N 184363.891E 147592.708 Station 842+95.25(13)
TAN 854.621'
DB "S 85° 15' 55.13 E"""
DA "S 68° 15' 46.4 E"""
LChord Distance 1690.463' Bearing "S 76° 45' 50.76 E"""
External Distance63.518'
Middle Ordinate 62.821'
Radius 5717.578'
DEG "1° 0' 7.56"""
DELTA "17° 0' 8.73"""
LENGTH 1696.681'
PT N184047.383 E 148386.56 Station 851+26.48(13)

Tangent N 184047.383 E 148386.56 Z Station 851+26.48(13)
***Station Equation ***BACK STA851+37.31 AHEAD STA 851+26.48
Distance 4698.366' Bearing "S 68° 15' 46.4 E"""

Arc
PC N182307.35 E 152750.838 Station 898+24.84(14)
CC N185832.238 E 154156.207
PI N 181948.603E 153650.635 Station 907+93.52(14)
TAN 968.676'
DB "S 68° 15' 46.4 E"""
DA "N 83° 5' 49.23 E"""
LChord Distance 1877.157' Bearing "S 82° 34' 58.59 E"""
External Distance121.686'
Middle Ordinate 117.905'
Radius 3794.719'
DEG "1° 30' 35.58"""
DELTA "28° 38' 24.38"""
LENGTH 1896.844'
PT N182065.027 E 154612.289 Station 14+26.83(15)

Tangent N 182065.027 E 154612.289Z Station 14+26.83(15)
***Station Equation ***BACK STA917+21.68 AHEAD STA 14+26.83
Distance 1304.358' Bearing "N 83° 5' 49.23 E"""

Alignment: IH 94 WB Ref Line - continued

Arc
PC N182221.796E 155907.192 Station 27+31.19(15)
CC N179352.955 E 156254.512
PI N 182280.229 E 156389.846 Station 32+17.37(15)
TAN 486.179'
DB "N 83° 5' 49.23 E"""
DA "S 77° 48' 10.64 E"""
LChord Distance 958.882' Bearing "S 87° 21' 10.71 E"""
External Distance40.612'
Middle Ordinate 40.049'
Radius 2889.789'
DEG "1° 58' 57.71"""
DELTA "19° 6' 0.14"""
LENGTH 963.336'
PT N182177.512 E 156865.051 Station 36+77.85(16)

Tangent N 182177.512 E 156865.051Z Station 36+77.85(16)
***Station Equation ***BACK STA36+94.52 AHEAD STA 36+77.85
Distance 987.334' Bearing "S 77° 48' 10.64 E"""

Arc
PC N181968.913 E 157830.098 Station 46+65.18(16)
CC N187544.721E 159035.329
PI N 181817.879 E 158528.834 Station 53+80.06(16)
TAN 714.873'
DB "S 77° 48' 10.64 E"""
DA "N 87° 54' 41.03 E"""
LChord Distance 1418.650' Bearing "S 84° 56' 44.81 E"""
External Distance44.618'
Middle Ordinate 44.272'
Radius 5704.578'
DEG "1° 0' 15.78"""
DELTA "14° 17' 8.34"""
LENGTH 1422.332'
PT N181843.933E 159243.232 Station 60+99.98(17)

Tangent N 181843.933E 159243.232 Z Station 60+99.98(17)
***Station Equation ***BACK STA60+87.52 AHEAD STA 60+99.98
Distance 2578.971' Bearing "N 87° 54' 41.03 E"""

End N 181937.923E 161820.49 Z Station 86+78.95(17)

Alignment Length = 78463.81'

Alignment: Ramp "C" Ref Line

Tangent N 191843.076E 92065.961 Z Station 267+43.73
Distance 301.669' Bearing "S 71° 44' 50.47 E"""

Arc
PC N191748.591 E 92352.451 Station 270+45.4
CC N193268.087 E 92853.583
PI N 191669.647E 92591.821 Station 272+97.45
TAN 252.051'
DB "S 71° 44' 50.47 E"""
DA "S 89° 39' 7.44 E"""
LChord Distance 497.962' Bearing "S 80° 41' 58.96 E"""
External Distance19.731'
Middle Ordinate 19.491'
Radius 1600.000'
DEG "3° 34' 51.55"""
DELTA "17° 54' 16.97"""
LENGTH 499.994'
PT N191668.116 E 92843.867 Station 275+45.39

Tangent N 191668.116 E 92843.867Z Station 275+45.39
Distance 400.000' Bearing "S 89° 39' 7.44 E"""

End N 191665.687E 93243.86 Z Station 279+45.39

Alignment Length = 1201.66'

Alignment: Ramp "D" Ref Line

Tangent N 191362.419 E 92039.515 Z Station 267+19.69
Distance 301.782' Bearing "N 72° 16' 26.05 E"""

Arc
PC N191454.301 E 92326.969 Station 270+21.47
CC N189930.265 E 92814.116
PI N 191526.794E 92553.762 Station 272+59.57
TAN 238.098'
DB "N 72° 16' 26.05 E"""
DA "N 89° 12' 7.82 E"""
LChord Distance 471.009' Bearing "N 80° 44' 16.93 E"""
External Distance17.619'
Middle Ordinate 17.427'
Radius 1600.000'
DEG "3° 34' 51.55"""
DELTA "16° 55' 41.77"""
LENGTH 472.726'
PT N191530.11 E 92791.837 Station 274+94.2

Tangent N 191530.11 E 92791.837 Z Station 274+94.2
Distance 316.058' Bearing "N 89° 12' 7.82 E"""

End N 191534.51 E 93107.865 Z Station 278+10.26

Alignment Length = 1090.57'

Alignment: 310th Street Centerline

Tangent N 190904.556 E 97020.086Z Station -2+65.14
Distance 1265.135' Bearing "N 0° 47' 51.67 E"""

End N 192169.569E 97037.699Z Station 10+00

Alignment Length = 1265.14'

Alignment: 50th Avenue Centerline

Arc
PC N190448.409 E 104256.051 Station 06+48.91
CC N190798.713E 103934.615
PI N 190523.033 E 104337.377 Station 07+59.28
TAN 110.375'
DB "N 47° 27' 38.66 E"""
DA "N 21° 19' 13.5 E"""
LChord Distance 215.031' Bearing "N 34° 23' 26.08 E"""
External Distance12.644'
Middle Ordinate 12.317'
Radius 475.430'
DEG "12° 3' 4.88"""
DELTA "26° 8' 25.16"""
LENGTH 216.908'
PT N190625.855 E 104377.508 Station 08+65.81

Tangent N 190625.855 E 104377.508 Z Station 08+65.81
Distance 834.185' Bearing "N 21° 19' 13.5 E"""

End N 191402.95 E 104680.804 Z Station 17+00

Alignment Length = 1051.09'

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\027202_AD.DWG
027202_AD - 027202_AD - 05
PLOT DATE : 7/5/2018 9:55 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:10 FT_1
WISDOT/CADDS SHEET 42

Alignment: County Q Centerline

Tangent N 186400.032 E 114732.305Z Station -13+78.84
Distance 1588.985' Bearing "S 89° 11' 7.3 W"""

Tangent N 186377.44 E 113143.481 Z Station 02+10.15
Distance 222.875' Bearing "S 89° 54' 58.57 W"""

Arc
PC N186377.115 E 112920.606 Station 04+33.02
CC N186696.88 E 112920.139
PI N 186376.64 E 112595.875 Station 07+57.76
TAN 324.731'
DB "S 89° 54' 58.57 W"""
DA "N 0° 47' 56.75 E"""
LChord Distance 455.688' Bearing "N 44° 38' 32.34 W"""

External Distance135.976'
Middle Ordinate 95.406'
Radius 319.766'
DEG "17° 55' 4.94"""
DELTA "90° 52' 58.18"""
LENGTH 507.214'
PT N186701.34 E 112600.404 Station 09+40.24

Tangent N 186701.34 E 112600.404 Z Station 09+40.24
Distance 1446.837' Bearing "N 0° 47' 56.75 E"""

End N 188148.036E 112620.583Z Station 23+87.08

Alignment Length = 3765.91'

Alignment: NW Ramp Ref Line

Arc
PC N187353.797 E 110804.448 Station 465+45.94
CC N189892.644 E 111904.179
PI N 187260.386 E 111020.099 Station 467+80.96
TAN 235.012'
DB "S 66° 34' 46.58 E"""
DA "S 76° 17' 23.05 E"""
LChord Distance 468.338' Bearing "S 71° 26' 4.81 E"""

External Distance9.963'
Middle Ordinate 9.927'
Radius 2766.794'
DEG "2° 4' 15.01"""
DELTA "9° 42' 36.47"""
LENGTH 468.899'
PT N187204.685 E 111248.415 Station 470+14.84

Arc
PC N187204.685 E 111248.415 Station 470+14.84
CC N189889.017E 111853.05
PI N 187168.094E 111410.861 Station 471+81.36
TAN 166.516'
DB "S 77° 18' 22.3 E"""
DA "S 84° 13' 56.74 E"""
LChord Distance 332.424' Bearing "S 80° 46' 9.52 E"""

External Distance5.034'
Middle Ordinate 5.025'
Radius 2751.585'
DEG "2° 4' 56.22"""
DELTA "6° 55' 34.44"""
LENGTH 332.627'
PT N187151.361 E 111576.534 Station 473+47.47

Arc
PC N187151.361 E 111576.534 Station 473+47.47
CC N188835.141 E 111777.783
PI N 187122.873E 111814.879 Station 475+87.51
TAN 240.041'
DB "S 83° 11' 3.24 E"""
DA "N 80° 42' 7.2 E"""
LChord Distance 475.344' Bearing "N 88° 45' 31.98 E"""

External Distance16.905'
Middle Ordinate 16.738'
Radius 1695.764'
DEG "3° 22' 43.53"""
DELTA "16° 6' 49.56"""
LENGTH 476.914'
PT N187161.657 E 112051.767 Station 478+24.38

Tangent N 187161.657 E 112051.767 Z Station 478+24.38
Distance 199.388' Bearing "N 80° 42' 7.2 E"""

Alignment: NW Ramp Ref Line - continued

Arc
PC N187193.872E 112248.535 Station 480+23.77
CC N185780.297 E 112479.966
PI N 187214.317 E 112373.414 Station 481+50.31
TAN 126.541'
DB "N 80° 42' 7.2 E"""
DA "S 89° 12' 3.26 E"""
LChord Distance 252.101' Bearing "N 85° 45' 1.97 E"""

External Distance5.579'
Middle Ordinate 5.557'
Radius 1432.394'
DEG "4° 0' 0"""
DELTA "10° 5' 49.55"""
LENGTH 252.427'
PT N187212.552E 112499.943 Station 482+76.2

Tangent N 187212.552E 112499.943Z Station 482+76.2
Distance 107.581' Bearing "S 89° 12' 3.26 E"""

End N 187211.052 E 112607.514 Z Station 483+83.78

Alignment Length = 1837.84'

Alignment: SW Ramp Ref Line

Arc
PC N187446.659 E 110366.328 Station 460+88.26
CC N189925.957 E 111938.962
PI N 187188.105 E 110773.945 Station 465+70.97
TAN 482.703'
DB "S 57° 36' 46.05 E"""
DA "S 76° 17' 8.05 E"""
LChord Distance 952.618' Bearing "S 66° 56' 57.05 E"""

External Distance39.416'
Middle Ordinate 38.894'
Radius 2936.000'
DEG "1° 57' 5.37"""
DELTA "18° 40' 22.01"""
LENGTH 956.847'
PT N187073.664 E 111242.886 Station 470+45.11

Arc
PC N187073.664 E 111242.886 Station 470+45.11
CC N173472.812E 107923.727
PI N 187001.727E 111537.663 Station 473+48.54
TAN 303.427'
DB "S 76° 17' 8.05 E"""
DA "S 73° 48' 8.55 E"""
LChord Distance 606.712' Bearing "S 75° 2' 38.3 E"""

External Distance3.288'
Middle Ordinate 3.287'
Radius 14000.000'
DEG "0° 24' 33.32"""
DELTA "2° 28' 59.5"""
LENGTH 606.759'
PT N186917.086E 111829.045 Station 476+51.87

Tangent N 186917.086E 111829.045 Z Station 476+51.87
Distance 554.934' Bearing "S 73° 48' 8.55 E"""

Arc
PC N186762.286 E 112361.951 Station 482+06.8
CC N187373.635 E 112539.537
PI N 186738.278 E 112444.601 Station 482+92.87
TAN 86.066'
DB "S 73° 48' 8.55 E"""
DA "S 89° 12' 3.26 E"""
LChord Distance 170.580' Bearing "S 81° 30' 5.9 E"""

External Distance5.791'
Middle Ordinate 5.739'
Radius 636.620'
DEG "9° 0' 0"""
DELTA "15° 23' 54.71"""
LENGTH 171.095'
PT N186737.077 E 112530.659 Station 483+77.9

Tangent N 186737.077 E 112530.659Z Station 483+77.9
Distance 70.237' Bearing "S 89° 12' 3.26 E"""

End N 186736.098 E 112600.889Z Station 484+48.14

Alignment Length = 2359.87'

Alignment: NE Ramp Ref Line

Tangent N 187211.052 E 112607.514 Z Station 483+43.71
Distance 76.153' Bearing "S 89° 12' 3.26 E"""

Arc
PC N187209.99 E 112683.659 Station 484+19.86
CC N186732.571E 112677
PI N 187208.797 E 112769.182 Station 485+05.39
TAN 85.532'
DB "S 89° 12' 3.26 E"""
DA "S 68° 53' 19.66 E"""
LChord Distance 168.383' Bearing "S 79° 2' 41.46 E"""

External Distance7.600'
Middle Ordinate 7.481'
Radius 477.465'
DEG "11° 59' 59.98"""
DELTA "20° 18' 43.6"""
LENGTH 169.268'
PT N187177.99 E 112848.973 Station 485+89.13

Tangent N 187177.99 E 112848.973Z Station 485+89.13
Distance 407.925' Bearing "S 68° 53' 19.66 E"""

Arc
PC N187031.064E 113229.52 Station 489+97.05
CC N188523.677 E 113805.806
PI N 186982.02 E 113356.547 Station 491+33.22
TAN 136.167'
DB "S 68° 53' 19.66 E"""
DA "S 78° 37' 3.23 E"""
LChord Distance 271.352' Bearing "S 73° 45' 11.44 E"""

External Distance5.784'
Middle Ordinate 5.763'
Radius 1600.000'
DEG "3° 34' 51.55"""
DELTA "9° 43' 43.57"""
LENGTH 271.679'
PT N186955.146E 113490.035 Station 492+68.73

Tangent N 186955.146E 113490.035Z Station 492+68.73
Distance 631.270' Bearing "S 78° 37' 3.23 E"""

End N 186830.561E 114108.889 Z Station 499+00

Alignment Length = 1556.29'

Alignment: SE Ramp Ref Line

Tangent N 186736.098 E 112600.889Z Station 484+03.16
Distance 273.479' Bearing "S 89° 12' 3.26 E"""

Arc
PC N186732.284 E 112874.341 Station 486+76.64
CC N188164.539E 112894.318
PI N 186731.467E 112932.907 Station 487+35.21
TAN 58.571'
DB "S 89° 12' 3.26 E"""
DA "N 86° 6' 57.72 E"""
LChord Distance 117.044' Bearing "N 88° 27' 27.23 E"""

External Distance1.197'
Middle Ordinate 1.196'
Radius 1432.395'
DEG "4° 0' 0"""
DELTA "4° 40' 59.03"""
LENGTH 117.077'
PT N186735.434 E 112991.343 Station 487+93.72

Tangent N 186735.434 E 112991.343 Z Station 487+93.72
Distance 278.486' Bearing "N 86° 6' 57.72 E"""

Arc
PC N186754.298 E 113269.189 Station 490+72.2
CC N183920.821E 113461.56
PI N 186770.374 E 113505.977 Station 493+09.54
TAN 237.333'
DB "N 86° 6' 57.72 E"""
DA "S 84° 19' 47.99 E"""
LChord Distance 473.017' Bearing "S 89° 6' 25.14 E"""

External Distance9.899'
Middle Ordinate 9.865'
Radius 2840.000'
DEG "2° 1' 2.85"""
DELTA "9° 33' 14.3"""
LENGTH 473.565'
PT N186746.926 E 113742.148 Station 495+45.77

Tangent N 186746.926 E 113742.148 Z Station 495+45.77
Distance 328.457' Bearing "S 84° 19' 47.99 E"""

End N 186714.475E 114068.998Z Station 498+74.23

Alignment Length = 1471.06'

Alignment: Stage 3 IH 94 Temporary EB Centerline

Tangent N 191663.238E 85803.816 Z Station -00+00.16
Distance 222.441' Bearing S 88° 53' 24.28" E

Tangent N 191658.929E 86026.216 Z Station 02+22.28
Distance 800.040' Bearing S 88° 19' 1.71" E

Tangent N 191635.434E 86825.911 Z Station 10+22.32
Distance 2988.754' Bearing S 88° 53' 24.28" E

Arc
PC N191577.540E 89814.104 Station 40+11.08
CC N214499.559 E 90258.200
PI N 191574.587E 89966.528 Station 41+63.53
TAN 152.453'
DB S 88° 53' 24.28" E'
DA S 89° 39' 7.44" E'
LChord Distance 304.899' Bearing S 89° 16' 15.86" E
External Distance.507'
Middle Ordinate .507'
Radius 22926.320'
DEG 0° 14' 59.69"'
DELTA 0° 45' 43.16"'
LENGTH 304.902'
PT N191573.661 E 90118.979 Station 43+15.98

Tangent N 191573.661 E 90118.979 Z Station 43+15.98
Distance 633.878' Bearing S 89° 39' 7.44" E

Arc
PC N191569.812 E 90752.845 Station 49+49.86
CC N176570.089 E 90661.756
PI N 191568.901 E 90902.827 Station 50+99.84
TAN 149.985'
DB S 89° 39' 7.44" E'
DA S 88° 30' 22.69" E'
LChord Distance 299.955' Bearing S 89° 4' 45.07" E
External Distance.750'
Middle Ordinate .750'
Radius 15000.000'
DEG 0° 22' 55.1"'
DELTA 1° 8' 44.75"'
LENGTH 299.960'
PT N191564.992E 91052.761 Station 52+49.82

Tangent N 191564.992E 91052.761 Z Station 52+49.82
Distance 200.130' Bearing S 88° 30' 22.69" E

Arc
PC N191559.775E 91252.823 Station 54+49.94
CC N206554.678 E 91643.828
PI N 191555.865E 91402.757 Station 55+99.93
TAN 149.985'
DB S 88° 30' 22.69" E'
DA S 89° 39' 7.44" E'
LChord Distance 299.955' Bearing S 89° 4' 45.07" E
External Distance.750'
Middle Ordinate .750'
Radius 15000.000'
DEG 0° 22' 55.1"'
DELTA 1° 8' 44.75"'
LENGTH 299.960'
PT N191554.954E 91552.739 Station 57+49.91

Tangent N 191554.954E 91552.739 Z Station 57+49.91
Distance 200.030' Bearing S 89° 39' 7.44" E

Arc
PC N191553.740E 91752.766 Station 59+49.93
CC N206553.463 E 91843.854
PI N 191552.829E 91902.748 Station 60+99.92
TAN 149.985'
DB S 89° 39' 7.44" E'
DA N 89° 12' 7.82" E'
LChord Distance 299.955' Bearing N 89° 46' 30.19" E
External Distance.750'
Middle Ordinate .750'
Radius 15000.000'
DEG 0° 22' 55.1"'
DELTA 1° 8' 44.75"'
LENGTH 299.960'
PT N191554.917 E 92052.718 Station 62+49.9

Tangent N 191554.917 E 92052.718 Z Station 62+49.9
Distance 200.130' Bearing N 89° 12' 7.82" E

Arc
PC N191557.704E 92252.829 Station 64+50.02
CC N176559.158E 92461.693
PI N 191559.792E 92402.799 Station 66+00.01
TAN 149.985'
DB N 89° 12' 7.82" E'
DA S 89° 39' 7.44" E'
LChord Distance 299.955' Bearing N 89° 46' 30.19" E
External Distance.750'
Middle Ordinate .750'
Radius 15000.000'
DEG 0° 22' 55.1"'
DELTA 1° 8' 44.75"'
LENGTH 299.960'
PT N191558.882E 92552.782 Station 67+49.99

Tangent N 191558.882E 92552.782Z Station 67+49.99
Distance 1248.099' Bearing S 89° 39' 7.44" E

Arc
PC N191551.302 E 93800.858 Station 79+98.08
CC N168551.727E 93661.189
PI N 191549.868E 94037.057 Station 82+34.29
TAN 236.204'
DB S 89° 39' 7.44" E'
DA S 88° 28' 31.02" E'
LChord Distance 472.382' Bearing S 89° 3' 49.23" E
External Distance1.213'
Middle Ordinate 1.213'
Radius 23000.000'
DEG 0° 14' 56.8"'
DELTA 1° 10' 36.42"'
LENGTH 472.391'
PT N191543.583E 94273.177 Station 84+70.48

Tangent N 191543.583E 94273.177 Z Station 84+70.48
Distance 1820.153' Bearing S 88° 28' 31.02" E

Arc
PC N191495.152 E 96092.686 Station 102+90.63
CC N214405.358 E 96702.501
PI N 191490.087E 96282.971 Station 104+80.98
TAN 190.352'
DB S 88° 28' 31.02" E'
DA S 89° 25' 37.27" E'
LChord Distance 380.690' Bearing S 88° 57' 4.15" E
External Distance.790'
Middle Ordinate .790'
Radius 22918.320'
DEG 0° 15' 0"'
DELTA 0° 57' 6.25"'
LENGTH 380.694'
PT N191488.184 E 96473.313 Station 106+71.32

Tangent N 191488.184 E 96473.313 Z Station 106+71.32
Distance 3218.279' Bearing S 89° 25' 37.27" E

Arc
PC N191456.000 E 99691.430 Station 138+89.6
CC N179997.413E 99576.836
PI N 191445.221 E 100769.283 Station 149+67.51
TAN 1077.906'
DB S 89° 25' 37.27" E'
DA S 78° 40' 46.5" E'
LChord Distance 2146.338' Bearing S 84° 3' 11.89" E
External Distance50.585'
Middle Ordinate 50.363'
Radius 11459.160'
DEG 0° 30' 0"'
DELTA 10° 44' 50.77"'
LENGTH 2149.488'
PT N191233.633E 101826.218 Station 160+39.09

Tangent N 191233.633E 101826.218 Z Station 160+39.09
Distance 3224.605' Bearing S 78° 40' 46.5" E

Arc
PC N190600.657 E 104988.088 Station 192+63.69
CC N184717.388E 103810.315
PI N 190458.462 E 105698.386 Station 199+88.09
TAN 724.392'
DB S 78° 40' 46.5" E'
DA S 64° 54' 40.91" E'
LChord Distance 1438.338' Bearing S 71° 47' 43.71" E
External Distance43.570'
Middle Ordinate 43.256'
Radius 6000.000'
DEG 0° 57' 17.75"'
DELTA 13° 46' 5.6"'
LENGTH 1441.805'
PT N190151.306E 106354.434 Station 207+05.5

Arc
PC N190151.306E 106354.434 Station 207+05.5
CC N184969.540 E 103928.370
PI N 189945.252 E 106794.539 Station 211+91.45
TAN 485.954'
DB S 64° 54' 40.91" E'
DA S 55° 12' 7.22" E'
LChord Distance 968.421' Bearing S 60° 3' 24.06" E
External Distance20.600'
Middle Ordinate 20.526'
Radius 5721.580'
DEG 1° 0' 5.03"'
DELTA 9° 42' 33.69"'
LENGTH 969.580'
PT N189667.925 E 107193.589 Station 216+75.08

Tangent N 189667.925 E 107193.589Z Station 216+75.08
Distance 3027.855' Bearing S 55° 12' 7.22" E

Arc
PC N187939.974 E 109679.970 Station 247+02.93
CC N183012.959E 106255.861
PI N 187868.433 E 109782.913 Station 248+28.3
TAN 125.361'
DB S 55° 12' 7.22" E'
DA S 52° 48' 29.3" E'
LChord Distance 250.667' Bearing S 54° 0' 18.26" E
External Distance1.309'
Middle Ordinate 1.309'
Radius 6000.000'
DEG 0° 57' 17.75"'
DELTA 2° 23' 37.92"'
LENGTH 250.685'
PT N187792.654 E 109882.777 Station 249+53.62

Tangent N 187792.654 E 109882.777 Z Station 249+53.62
Distance 340.868' Bearing S 52° 48' 29.3" E

2

Alignment: Stage 3 IH 94 Temporary EB Centerline - cont'd.

Arc
PC N187586.604 E 110154.318 Station 252+94.49
CC N189892.640 E 111904.177
PI N 187122.400E 110766.064 Station 260+62.42
TAN 767.932'
DB S 52° 48' 29.3" E'
DA S 82° 31' 21.55" E'
LChord Distance 1484.517' Bearing S 67° 39' 55.43" E
External Distance100.127'
Middle Ordinate 96.780'
Radius 2894.790'
DEG 1° 58' 45.38"'
DELTA 29° 42' 52.25"'
LENGTH 1501.285'
PT N187022.466 E 111527.466 Station 267+95.77

Tangent N 187022.466 E 111527.466 Z Station 267+95.77
Distance 882.776' Bearing S 82° 31' 21.55" E

Tangent N 186907.587 E 112402.735Z Station 276+78.55
Distance 400.000' Bearing S 83° 11' 3.24" E

Tangent N 186860.116 E 112799.909Z Station 280+78.55
Distance 1730.725' Bearing S 84° 12' 47.21" E

Arc
PC N186685.609 E 114521.813 Station 298+09.27
CC N180993.188E 113944.914
PI N 186623.493 E 115134.732 Station 304+25.33
TAN 616.059'
DB S 84° 12' 47.21" E'
DA S 71° 55' 19.44" E'
LChord Distance 1225.037' Bearing S 78° 4' 3.32" E
External Distance33.071'
Middle Ordinate 32.881'
Radius 5721.580'
DEG 1° 0' 5.03"'
DELTA 12° 17' 27.77"'
LENGTH 1227.389'
PT N186432.324 E 115720.380 Station 310+36.66

Tangent N 186432.324 E 115720.380Z Station 310+36.66
Distance 2068.025' Bearing S 71° 55' 19.44" E

Arc
PC N185790.594 E 117686.317 Station 331+04.69
CC N191244.940E 119466.747
PI N 185519.386E 118517.161 Station 339+78.67
TAN 873.988'
DB S 71° 55' 19.44" E'
DA S 89° 14' 39.44" E'
LChord Distance 1728.043' Bearing S 80° 34' 59.44" E
External Distance66.184'
Middle Ordinate 65.430'
Radius 5737.580'
DEG 0° 59' 54.98"'
DELTA 17° 19' 20.01"'
LENGTH 1734.642'
PT N185507.859 E 119391.073 Station 348+39.33

Tangent N 185507.859 E 119391.073 Z Station 348+39.33
Distance 1310.079' Bearing S 89° 14' 39.44" E

Tangent N 185490.580 E 120701.038 Z Station 361+49.41
Distance 600.053' Bearing N 89° 59' 30.53" E

Tangent N 185490.666 E 121301.091 Z Station 367+49.46
Distance 604.209' Bearing S 89° 14' 39.44" E

End N 185482.697 E 121905.248Z Station 373+53.67

Alignment Length = 37353.83'

Alignment: Stage 3 IH 94 Temporary WB Centerline

Tangent N 191737.224E 85805.249Z Station -00+00.16
Distance 392.568' Bearing S 88° 53' 24.28" E

Arc
PC N191729.620E 86197.743 Station 03+92.41
CC N185730.745 E 86081.520
PI N 191725.167 E 86427.574 Station 06+22.28
TAN 229.874'
DB S 88° 53' 24.28" E'
DA S 84° 30' 7.05" E'
LChord Distance 459.411' Bearing S 86° 41' 45.67" E
External Distance4.402'
Middle Ordinate 4.399'
Radius 6000.000'
DEG 0° 57' 17.75"'
DELTA 4° 23' 17.23"'
LENGTH 459.523'
PT N191703.142 E 86656.390 Station 08+51.93

Tangent N 191703.142 E 86656.390Z Station 08+51.93
Distance 219.882' Bearing S 84° 30' 7.05" E

Arc
PC N191682.075E 86875.260 Station 10+71.81
CC N197654.472 E 87450.131
PI N 191660.050 E 87104.077 Station 13+01.69
TAN 229.874'
DB S 84° 30' 7.05" E'
DA S 88° 53' 24.28" E'
LChord Distance 459.411' Bearing S 86° 41' 45.67" E
External Distance4.402'
Middle Ordinate 4.399'
Radius 6000.000'
DEG 0° 57' 17.75"'
DELTA 4° 23' 17.23"'
LENGTH 459.523'
PT N191655.598E 87333.907 Station 15+31.34

Tangent N 191655.598E 87333.907Z Station 15+31.34
Distance 2481.243' Bearing S 88° 53' 24.28" E

Arc
PC N191607.535E 89814.685 Station 40+12.58
CC N214499.559 E 90258.200
PI N 191604.585E 89966.910 Station 41+64.83
TAN 152.254'
DB S 88° 53' 24.28" E'
DA S 89° 39' 7.44" E'
LChord Distance 304.500' Bearing S 89° 16' 15.86" E
External Distance.506'
Middle Ordinate .506'
Radius 22896.320'
DEG 0° 15' 0.86"'
DELTA 0° 45' 43.16"'
LENGTH 304.503'
PT N191603.661 E 90119.161 Station 43+17.08

Tangent N 191603.661 E 90119.161 Z Station 43+17.08
Distance 633.578' Bearing S 89° 39' 7.44" E

Arc
PC N191599.813 E 90752.727 Station 49+50.66
CC N176570.090 E 90661.456
PI N 191598.901 E 90903.009 Station 51+00.94
TAN 150.285'
DB S 89° 39' 7.44" E'
DA S 88° 30' 22.69" E'
LChord Distance 300.555' Bearing S 89° 4' 45.07" E
External Distance.751'
Middle Ordinate .751'
Radius 15030.000'
DEG 0° 22' 52.35"'
DELTA 1° 8' 44.75"'
LENGTH 300.560'
PT N191594.983E 91053.243 Station 52+51.22

Tangent N 191594.983E 91053.243 Z Station 52+51.22
Distance 200.124' Bearing S 88° 30' 22.69" E

Arc
PC N191589.767E 91253.300 Station 54+51.34
CC N206554.680 E 91643.522
PI N 191585.865E 91402.939 Station 56+01.03
TAN 149.691'
DB S 88° 30' 22.69" E'
DA S 89° 39' 7.59" E'
LChord Distance 299.366' Bearing S 89° 4' 45.14" E
External Distance.748'
Middle Ordinate .748'
Radius 14970.000'
DEG 0° 22' 57.85"'
DELTA 1° 8' 44.9"'
LENGTH 299.371'
PT N191584.956E 91552.627 Station 57+50.71

Tangent N 191584.956E 91552.627 Z Station 57+50.71
Distance 200.678' Bearing S 89° 39' 7.59" E

Arc
PC N191583.737E 91753.301 Station 59+51.39
CC N206553.461 E 91844.197
PI N 191582.828E 91902.991 Station 61+01.08
TAN 149.692'
DB S 89° 39' 7.59" E'
DA N 89° 12' 7.47" E'
LChord Distance 299.369' Bearing N 89° 46' 29.94" E
External Distance.748'
Middle Ordinate .748'
Radius 14970.000'
DEG 0° 22' 57.85"'
DELTA 1° 8' 44.94"'
LENGTH 299.374'
PT N191584.913 E 92052.668 Station 62+50.77

Tangent N 191584.913 E 92052.668Z Station 62+50.77
Distance 200.049' Bearing N 89° 12' 7.47" E

Arc
PC N191587.699E 92252.698 Station 64+50.82
CC N176559.156E 92462.006
PI N 191589.792E 92402.982 Station 66+01.11
TAN 150.298'
DB N 89° 12' 7.47" E'
DA S 89° 39' 7.44" E'
LChord Distance 300.580' Bearing N 89° 46' 30.02" E
External Distance.751'
Middle Ordinate .751'
Radius 15030.000'
DEG 0° 22' 52.35"'
DELTA 1° 8' 45.1"'
LENGTH 300.585'
PT N191588.879E 92553.276 Station 67+51.4

2

Alignment: Stage 3 IH 94 Temporary WB Centerline - cont'd.

Tangent N 191588.879E 92553.276Z Station 67+51.4
Distance 1720.144' Bearing S 89° 39' 7.44" E

Tangent N 191578.434E 94273.389Z Station 84+71.55
Distance 1820.050' Bearing S 89° 13' 49.47" E

Tangent N 191553.987E 96093.275Z Station 102+91.6
Distance 3598.956' Bearing S 89° 25' 37.27" E

Arc
PC N191517.997 E 99692.050 Station 138+90.55
CC N179997.413E 99576.836
PI N 191507.159 E 100775.735 Station 149+74.29
TAN 1083.738'
DB S 89° 25' 37.27" E'
DA S 78° 40' 46.5" E'
LChord Distance 2157.951' Bearing S 84° 3' 11.89" E
External Distance50.859'
Middle Ordinate 50.635'
Radius 11521.160'
DEG 0° 29' 50.31"'
DELTA 10° 44' 50.77"'
LENGTH 2161.118'
PT N191294.426E 101838.389 Station 160+51.67

Tangent N 191294.426E 101838.389Z Station 160+51.67
Distance 2977.381' Bearing S 78° 40' 46.5" E

Arc
PC N190709.980 E 104757.844 Station 190+29.05
CC N183846.166E 103383.775
PI N 190534.652 E 105633.649 Station 199+22.23
TAN 893.181'
DB S 78° 40' 46.5" E'
DA S 64° 8' 11.74" E'
LChord Distance 1771.996' Bearing S 71° 24' 29.12" E
External Distance56.754'
Middle Ordinate 56.297'
Radius 7000.000'
DEG 0° 49' 6.64"'
DELTA 14° 32' 34.77"'
LENGTH 1776.761'
PT N190145.022E 106437.366 Station 208+05.81

Arc
PC N190145.022E 106437.366 Station 208+05.81
CC N184969.540 E 103928.370
PI N 189949.001E 106841.712 Station 212+55.17
TAN 449.356'
DB S 64° 8' 11.74" E'
DA S 55° 12' 7.22" E'
LChord Distance 895.981' Bearing S 59° 40' 9.48" E
External Distance17.527'
Middle Ordinate 17.474'
Radius 5751.580'
DEG 0° 59' 46.23"'
DELTA 8° 56' 4.52"'
LENGTH 896.890'
PT N189692.560 E 107210.710 Station 217+02.7

Tangent N 189692.560 E 107210.710Z Station 217+02.7
Distance 3027.855' Bearing S 55° 12' 7.22" E

Arc
PC N187964.609 E 109697.091 Station 247+30.56
CC N183012.959E 106255.861
PI N 187892.710E 109800.548 Station 248+56.54
TAN 125.988'
DB S 55° 12' 7.22" E'
DA S 52° 48' 29.3" E'
LChord Distance 251.920' Bearing S 54° 0' 18.26" E
External Distance1.316'
Middle Ordinate 1.316'
Radius 6030.000'
DEG 0° 57' 0.64"'
DELTA 2° 23' 37.92"'
LENGTH 251.938'
PT N187816.553E 109900.912 Station 249+82.5

Tangent N 187816.553E 109900.912 Z Station 249+82.5
Distance 340.868' Bearing S 52° 48' 29.3" E

Arc
PC N187610.503E 110172.452 Station 253+23.36
CC N189892.640 E 111904.177
PI N 187140.391 E 110791.984 Station 261+01.07
TAN 777.704'
DB S 52° 48' 29.3" E'
DA S 83° 11' 3.24" E'
LChord Distance 1501.080' Bearing S 67° 59' 46.27" E
External Distance103.685'
Middle Ordinate 100.064'
Radius 2864.790'
DEG 2° 0' 0"'
DELTA 30° 22' 33.94"'
LENGTH 1518.805'
PT N187048.096 E 111564.192 Station 268+42.17

Tangent N 187048.096 E 111564.192 Z Station 268+42.17
Distance 849.292' Bearing S 83° 11' 3.24" E

Tangent N 186947.304 E 112407.482Z Station 276+91.46
Distance 400.000' Bearing S 83° 11' 3.24" E

Tangent N 186899.833 E 112804.656Z Station 280+91.46
Distance 1762.946' Bearing S 83° 53' 6.94" E

Arc
PC N186712.044E 114557.572 Station 298+54.41
CC N180993.188E 113944.914
PI N 186647.850 E 115156.791 Station 304+57.05
TAN 602.648'
DB S 83° 53' 6.94" E'
DA S 71° 55' 19.44" E'
LChord Distance 1198.733' Bearing S 77° 54' 13.19" E
External Distance31.486'
Middle Ordinate 31.315'
Radius 5751.580'
DEG 0° 59' 46.23"'
DELTA 11° 57' 47.5"'
LENGTH 1200.913'
PT N186460.843 E 115729.689 Station 310+55.32

Tangent N 186460.843 E 115729.689Z Station 310+55.32
Distance 2068.025' Bearing S 71° 55' 19.44" E

Arc
PC N185819.113 E 117695.626 Station 331+23.34
CC N191244.940E 119466.747
PI N 185549.324 E 118522.126 Station 339+92.76
TAN 869.418'
DB S 71° 55' 19.44" E'
DA S 89° 14' 39.44" E'
LChord Distance 1719.007' Bearing S 80° 34' 59.44" E
External Distance65.838'
Middle Ordinate 65.087'
Radius 5707.580'
DEG 1° 0' 13.87"'
DELTA 17° 19' 20.01"'
LENGTH 1725.572'
PT N185537.857 E 119391.469 Station 348+48.92

Tangent N 185537.857 E 119391.469 Z Station 348+48.92
Distance 993.803' Bearing S 89° 14' 39.44" E

Arc
PC N185524.749 E 120385.185 Station 358+42.72
CC N191524.227E 120464.321
PI N 185522.465 E 120558.359 Station 360+15.91
TAN 173.189'
DB S 89° 14' 39.44" E'
DA N 87° 26' 56.28" E'
LChord Distance 346.234' Bearing N 89° 6' 8.42" E
External Distance2.499'
Middle Ordinate 2.498'
Radius 6000.000'
DEG 0° 57' 17.75"'
DELTA 3° 18' 24.29"'
LENGTH 346.282'
PT N185530.173E 120731.376 Station 361+89

Tangent N 185530.173E 120731.376Z Station 361+89
Distance 555.123' Bearing N 87° 26' 56.28" E

Arc
PC N185554.881E 121285.949 Station 367+44.12
CC N179560.828 E 121553.005
PI N 185562.590 E 121458.967 Station 369+17.31
TAN 173.189'
DB N 87° 26' 56.28" E'
DA S 89° 14' 39.44" E'
LChord Distance 346.234' Bearing N 89° 6' 8.42" E
External Distance2.499'
Middle Ordinate 2.498'
Radius 6000.000'
DEG 0° 57' 17.75"'
DELTA 3° 18' 24.29"'
LENGTH 346.282'
PT N185560.306 E 121632.140 Station 370+90.41

Tangent N 185560.306 E 121632.140 Z Station 370+90.41
Distance 120.367' Bearing S 89° 14' 39.44" E

End N 185558.718E 121752.497Z Station 372+10.77

Alignment Length = 37210.93'

Alignment: Stage 5 IH 94 Temporary EB Centerline

Tangent N 191663.238E 85803.816 Z Station 00+00.01
Distance 394.393' Bearing S 88° 53' 24.28" E

Arc
PC N191655.598E 86198.135 Station 03+94.4
CC N197654.472 E 86314.358
PI N 191651.181 E 86426.129 Station 06+22.44
TAN 228.037'
DB S 88° 53' 24.28" E'
DA N 86° 45' 24.61" E'
LChord Distance 455.745' Bearing N 88° 56' 0.16" E
External Distance4.332'
Middle Ordinate 4.329'
Radius 6000.000'
DEG 0° 57' 17.75"'
DELTA 4° 21' 11.11"'
LENGTH 455.854'
PT N191664.082E 86653.800 Station 08+50.25

Tangent N 191664.082E 86653.800Z Station 08+50.25
Distance 229.015' Bearing N 86° 45' 24.61" E

Arc
PC N191677.038E 86882.448 Station 10+79.27
CC N185686.648 E 87221.890
PI N 191689.939E 87110.120 Station 13+07.31
TAN 228.037'
DB N 86° 45' 24.61" E'
DA S 88° 53' 24.28" E'
LChord Distance 455.745' Bearing N 88° 56' 0.16" E
External Distance4.332'
Middle Ordinate 4.329'
Radius 6000.000'
DEG 0° 57' 17.75"'
DELTA 4° 21' 11.11"'
LENGTH 455.854'
PT N191685.522E 87338.114 Station 15+35.12

Tangent N 191685.522E 87338.114 Z Station 15+35.12
Distance 2477.617' Bearing S 88° 53' 24.28" E

Arc
PC N191637.529E 89815.266 Station 40+12.74
CC N214499.551E 90258.200
PI N 191634.584E 89967.292 Station 41+64.79
TAN 152.054'
DB S 88° 53' 24.28" E'
DA S 89° 39' 7.44" E'
LChord Distance 304.101' Bearing S 89° 16' 15.86" E
External Distance.506'
Middle Ordinate .506'
Radius 22866.312'
DEG 0° 15' 2.05"'
DELTA 0° 45' 43.16"'
LENGTH 304.104'
PT N191633.660E 90119.343 Station 43+16.84

Tangent N 191633.660E 90119.343 Z Station 43+16.84
Distance 848.317' Bearing S 89° 39' 7.44" E

Arc
PC N191628.509E 90967.644 Station 51+65.16
CC N206138.241E 91055.757
PI N 191628.019 E 91048.251 Station 52+45.77
TAN 80.609'
DB S 89° 39' 7.44" E'
DA N 89° 42' 40.83" E'
LChord Distance 161.215' Bearing S 89° 58' 13.31" E
External Distance.224'
Middle Ordinate .224'
Radius 14510.000'
DEG 0° 23' 41.54"'
DELTA 0° 38' 11.74"'
LENGTH 161.216'
PT N191628.425E 91128.859 Station 53+26.38

Tangent N 191628.425E 91128.859 Z Station 53+26.38
Distance 288.922' Bearing N 89° 42' 40.83" E

Arc
PC N191629.881 E 91417.777 Station 56+15.3
CC N177140.065E 91490.778
PI N 191630.287E 91498.273 Station 56+95.8
TAN 80.498'
DB N 89° 42' 40.83" E'
DA S 89° 39' 7.44" E'
LChord Distance 160.993' Bearing S 89° 58' 13.31" E
External Distance.224'
Middle Ordinate .224'
Radius 14490.000'
DEG 0° 23' 43.5"'
DELTA 0° 38' 11.74"'
LENGTH 160.993'
PT N191629.798E 91578.769 Station 57+76.29

Tangent N 191629.798E 91578.769 Z Station 57+76.29
Distance 2377.845' Bearing S 89° 39' 7.44" E

Tangent N 191615.358 E 93956.571 Z Station 81+54.14
Distance 790.737' Bearing S 89° 25' 37.27" E

Arc
PC N191607.451 E 94747.268 Station 89+44.87
CC N185607.751E 94687.267
PI N 191606.079E 94884.413 Station 90+82.02
TAN 137.151'
DB S 89° 25' 37.27" E'
DA S 86° 48' 29.09" E'
LChord Distance 274.231' Bearing S 88° 7' 3.18" E
External Distance1.567'
Middle Ordinate 1.567'
Radius 6000.000'
DEG 0° 57' 17.75"'
DELTA 2° 37' 8.19"'
LENGTH 274.255'
PT N191598.442E 95021.351 Station 92+19.13

Tangent N 191598.442E 95021.351 Z Station 92+19.13
Distance 601.101' Bearing S 86° 48' 29.09" E

Arc
PC N191564.973E 95621.519 Station 98+20.23
CC N197555.664 E 95955.604
PI N 191557.336E 95758.458 Station 99+57.38
TAN 137.151'
DB S 86° 48' 29.09" E'
DA S 89° 25' 37.27" E'
LChord Distance 274.231' Bearing S 88° 7' 3.18" E
External Distance1.567'
Middle Ordinate 1.567'
Radius 6000.000'
DEG 0° 57' 17.75"'
DELTA 2° 37' 8.19"'
LENGTH 274.255'
PT N191555.964E 95895.602 Station 100+94.48

Tangent N 191555.964E 95895.602Z Station 100+94.48
Distance 3796.638' Bearing S 89° 25' 37.27" E

Arc
PC N191517.997 E 99692.050 Station 138+91.12
CC N179997.413E 99576.836
PI N 191507.159 E 100775.735 Station 149+74.86
TAN 1083.738'
DB S 89° 25' 37.27" E'
DA S 78° 40' 46.5" E'
LChord Distance 2157.951' Bearing S 84° 3' 11.89" E
External Distance50.859'
Middle Ordinate 50.635'
Radius 11521.160'
DEG 0° 29' 50.31"'
DELTA 10° 44' 50.77"'
LENGTH 2161.118'
PT N191294.426E 101838.389 Station 160+52.24

Tangent N 191294.426E 101838.389Z Station 160+52.24
Distance 3274.407' Bearing S 78° 40' 46.5" E

Arc
PC N190651.675E 105049.091 Station 193+26.65
CC N185013.542E 103920.392
PI N 190417.136 E 106220.673 Station 205+21.47
TAN 1194.828'
DB S 78° 40' 46.5" E'
DA S 55° 12' 7.22" E'
LChord Distance 2339.677' Bearing S 66° 56' 26.86" E
External Distance122.828'
Middle Ordinate 120.260'
Radius 5750.000'
DEG 0° 59' 47.21"'
DELTA 23° 28' 39.29"'
LENGTH 2356.126'
PT N189735.265 E 107201.829 Station 216+82.77

Alignment: Stage 5 IH 94 Temporary EB Centerline - cont'd.

Tangent N 189735.265 E 107201.829Z Station 216+82.77
Distance 3196.833' Bearing S 55° 12' 7.22" E

Tangent N 187910.881 E 109826.970 Z Station 248+79.61
Distance 632.878' Bearing S 56° 23' 17" E

Arc
PC N187560.542 E 110354.035 Station 255+12.48
CC N189892.639 E 111904.177
PI N 187191.300E 110909.536 Station 261+79.51
TAN 667.024'
DB S 56° 23' 17" E'
DA S 83° 11' 3.24" E'
LChord Distance 1297.740' Bearing S 69° 47' 10.12" E
External Distance78.346'
Middle Ordinate 76.214'
Radius 2800.289'
DEG 2° 2' 45.84"'
DELTA 26° 47' 46.24"'
LENGTH 1309.643'
PT N187112.140 E 111571.847 Station 268+22.13

Tangent N 187112.140 E 111571.847 Z Station 268+22.13
Distance 1252.530' Bearing S 83° 11' 3.24" E

Tangent N 186963.493 E 112815.525 Z Station 280+74.66
Distance 1000.078' Bearing S 82° 28' 5.07" E

Tangent N 186832.404 E 113806.974Z Station 290+74.73
Distance 829.947' Bearing S 83° 11' 3.24" E

Arc
PC N186733.908 E 114631.056 Station 299+04.68
CC N180993.190E 113944.914
PI N 186666.256 E 115197.083 Station 304+74.74
TAN 570.056'
DB S 83° 11' 3.24" E'
DA S 71° 55' 19.44" E'
LChord Distance 1134.609' Bearing S 77° 33' 11.34" E
External Distance28.035'
Middle Ordinate 27.900'
Radius 5781.578'
DEG 0° 59' 27.62"'
DELTA 11° 15' 43.81"'
LENGTH 1136.438'
PT N186489.362 E 115738.998 Station 310+41.12

Tangent N 186489.362 E 115738.998Z Station 310+41.12
Distance 2068.025' Bearing S 71° 55' 19.44" E

Arc
PC N185847.632 E 117704.936 Station 331+09.14
CC N191244.938E 119466.747
PI N 185579.261E 118527.091 Station 339+73.99
TAN 864.848'
DB S 71° 55' 19.44" E'
DA S 89° 14' 39.44" E'
LChord Distance 1709.971' Bearing S 80° 34' 59.44" E
External Distance65.492'
Middle Ordinate 64.745'
Radius 5677.578'
DEG 1° 0' 32.97"'
DELTA 17° 19' 20.01"'
LENGTH 1716.501'
PT N185567.854 E 119391.864 Station 348+25.65

Tangent N 185567.854 E 119391.864 Z Station 348+25.65
Distance 1003.285' Bearing S 89° 14' 39.44" E

Arc
PC N185554.621E 120395.062 Station 358+28.93
CC N179555.143E 120315.926
PI N 185552.337 E 120568.236 Station 360+02.12
TAN 173.189'
DB S 89° 14' 39.44" E'
DA S 85° 56' 15.16" E'
LChord Distance 346.234' Bearing S 87° 35' 27.3" E
External Distance2.499'
Middle Ordinate 2.498'
Radius 6000.000'
DEG 0° 57' 17.75"'
DELTA 3° 18' 24.29"'
LENGTH 346.282'
PT N185540.068 E 120740.990 Station 361+75.21

Tangent N 185540.068 E 120740.990 Z Station 361+75.21
Distance 555.123' Bearing S 85° 56' 15.16" E

Arc
PC N185500.741E 121294.718 Station 367+30.34
CC N191485.665E 121719.781
PI N 185488.471E 121467.472 Station 369+03.53
TAN 173.189'
DB S 85° 56' 15.16" E'
DA S 89° 14' 39.44" E'
LChord Distance 346.234' Bearing S 87° 35' 27.3" E
External Distance2.499'
Middle Ordinate 2.498'
Radius 6000.000'
DEG 0° 57' 17.75"'
DELTA 3° 18' 24.29"'
LENGTH 346.282'
PT N185486.187E 121640.645 Station 370+76.62

Tangent N 185486.187E 121640.645Z Station 370+76.62
Distance 264.625' Bearing S 89° 14' 39.44" E

End N 185482.697 E 121905.248Z Station 373+41.24

Alignment Length = 37341.24'

Alignment: Stage 5 IH 94 Temporary WB Centerline

Tangent N 191737.224E 85805.249Z Station 00+00.01
Distance 522.430' Bearing S 88° 53' 24.28" E

Tangent N 191727.104 E 86327.581 Z Station 05+22.44
Distance 600.053' Bearing S 89° 39' 14.32" E

Tangent N 191723.480E 86927.623Z Station 11+22.49
Distance 2888.766' Bearing S 88° 53' 24.28" E

Arc
PC N191667.523E 89815.847 Station 40+11.26
CC N214499.551E 90258.200
PI N 191664.582E 89967.673 Station 41+63.11
TAN 151.855'
DB S 88° 53' 24.28" E'
DA S 89° 39' 7.44" E'
LChord Distance 303.702' Bearing S 89° 16' 15.86" E
External Distance.505'
Middle Ordinate .505'
Radius 22836.312'
DEG 0° 15' 3.23"'
DELTA 0° 45' 43.16"'
LENGTH 303.705'
PT N191663.660E 90119.525 Station 43+14.96

Tangent N 191663.660E 90119.525 Z Station 43+14.96
Distance 848.317' Bearing S 89° 39' 7.44" E

Arc
PC N191658.508E 90967.826 Station 51+63.28
CC N206138.241E 91055.757
PI N 191658.020E 91048.267 Station 52+43.72
TAN 80.442'
DB S 89° 39' 7.44" E'
DA N 89° 42' 40.83" E'
LChord Distance 160.881' Bearing S 89° 58' 13.31" E
External Distance.223'
Middle Ordinate .223'
Radius 14480.000'
DEG 0° 23' 44.48"'
DELTA 0° 38' 11.74"'
LENGTH 160.882'
PT N191658.425E 91128.708 Station 53+24.16

Tangent N 191658.425E 91128.708 Z Station 53+24.16
Distance 288.922' Bearing N 89° 42' 40.83" E

Arc
PC N191659.881 E 91417.626 Station 56+13.08
CC N177140.065E 91490.778
PI N 191660.287E 91498.289 Station 56+93.75
TAN 80.664'
DB N 89° 42' 40.83" E'
DA S 89° 39' 7.44" E'
LChord Distance 161.326' Bearing S 89° 58' 13.31" E
External Distance.224'
Middle Ordinate .224'
Radius 14520.000'
DEG 0° 23' 40.56"'
DELTA 0° 38' 11.74"'
LENGTH 161.327'
PT N191659.797E 91578.952 Station 57+74.41

Tangent N 191659.797E 91578.952 Z Station 57+74.41
Distance 2377.904' Bearing S 89° 39' 7.44" E

Tangent N 191645.357E 93956.812 Z Station 81+52.31
Distance 1202.436' Bearing S 89° 25' 37.27" E

Tangent N 191633.333E 95159.188 Z Station 93+54.75
Distance 600.053' Bearing S 88° 39' 47.24" E

Tangent N 191619.333 E 95759.078Z Station 99+54.8
Distance 3933.789' Bearing S 89° 25' 37.27" E

Arc
PC N191579.994E 99692.670 Station 138+88.59
CC N179997.413E 99576.836
PI N 191569.098E 100782.186 Station 149+78.16
TAN 1089.570'
DB S 89° 25' 37.27" E'
DA S 78° 40' 46.5" E'
LChord Distance 2169.564' Bearing S 84° 3' 11.89" E
External Distance51.132'
Middle Ordinate 50.908'
Radius 11583.160'
DEG 0° 29' 40.73"'
DELTA 10° 44' 50.77"'
LENGTH 2172.748'
PT N191355.220E 101850.559 Station 160+61.34

Tangent N 191355.220E 101850.559Z Station 160+61.34
Distance 3211.123' Bearing S 78° 40' 46.5" E

Arc
PC N190724.891E 104999.209 Station 192+72.46
CC N185106.370E 103874.435
PI N 190491.167 E 106166.716 Station 204+63.13
TAN 1190.672'
DB S 78° 40' 46.5" E'
DA S 55° 12' 7.22" E'
LChord Distance 2331.539' Bearing S 66° 56' 26.86" E
External Distance122.401'
Middle Ordinate 119.841'
Radius 5730.000'
DEG 0° 59' 59.73"'
DELTA 23° 28' 39.29"'
LENGTH 2347.931'
PT N189811.669 E 107144.459 Station 216+20.39

Tangent N 189811.669 E 107144.459Z Station 216+20.39
Distance 3287.546' Bearing S 55° 12' 7.22" E

Tangent N 187935.516E 109844.091Z Station 249+07.94
Distance 636.651' Bearing S 56° 28' 44.2" E

Arc
PC N187583.930 E 110374.856 Station 255+44.59
CC N189892.639 E 111904.177
PI N 187220.930 E 110922.852 Station 262+01.91
TAN 657.319'
DB S 56° 28' 44.2" E'
DA S 83° 11' 3.24" E'
LChord Distance 1279.100' Bearing S 69° 49' 53.72" E
External Distance76.942'
Middle Ordinate 74.862'
Radius 2769.289'
DEG 2° 4' 8.29"'
DELTA 26° 42' 19.04"'
LENGTH 1290.752'
PT N187142.921 E 111575.526 Station 268+35.34

Tangent N 187142.921 E 111575.526 Z Station 268+35.34
Distance 1252.530' Bearing S 83° 11' 3.24" E

Tangent N 186994.274 E 112819.204 Z Station 280+87.87
Distance 1000.091' Bearing S 82° 24' 38.84" E

Tangent N 186862.192E 113810.535 Z Station 290+87.96
Distance 829.947' Bearing S 83° 11' 3.24" E

Arc
PC N186763.696 E 114634.616 Station 299+17.91
CC N180993.190E 113944.914
PI N 186695.693 E 115203.580 Station 304+90.92
TAN 573.014'
DB S 83° 11' 3.24" E'
DA S 71° 55' 19.44" E'
LChord Distance 1140.497' Bearing S 77° 33' 11.34" E
External Distance28.181'
Middle Ordinate 28.045'
Radius 5811.578'
DEG 0° 59' 9.2"'
DELTA 11° 15' 43.81"'
LENGTH 1142.335'
PT N186517.881 E 115748.307 Station 310+60.24

Tangent N 186517.881 E 115748.307Z Station 310+60.24
Distance 2068.025' Bearing S 71° 55' 19.44" E

Arc
PC N185876.151 E 117714.245 Station 331+28.27
CC N191244.938E 119466.747
PI N 185609.198E 118532.056 Station 339+88.55
TAN 860.278'
DB S 71° 55' 19.44" E'
DA S 89° 14' 39.44" E'
LChord Distance 1700.936' Bearing S 80° 34' 59.44" E
External Distance65.146'
Middle Ordinate 64.403'
Radius 5647.578'
DEG 1° 0' 52.27"'
DELTA 17° 19' 20.01"'
LENGTH 1707.431'
PT N185597.851E 119392.260 Station 348+35.7

Tangent N 185597.851E 119392.260Z Station 348+35.7
Distance 1314.086' Bearing S 89° 14' 39.44" E

Tangent N 185580.520 E 120706.231Z Station 361+49.79
Distance 600.053' Bearing S 88° 28' 49.41" E

Tangent N 185564.607 E 121306.074Z Station 367+49.84
Distance 446.462' Bearing S 89° 14' 39.44" E

End N 185558.718E 121752.497Z Station 371+96.3

Alignment Length = 37196.30'

Alignment: Stage 7J WB Centerline - Driving Lane

Tangent N 185589.852 E 119392.155 Z Station 00+00
Distance 707.812' Bearing S 89° 14' 39.44" E

Tangent N 185580.517E 120099.905 Z Station 07+07.81
Distance 600.053' Bearing N 89° 59' 30.53" E

Tangent N 185580.602 E 120699.958 Z Station 13+07.87
Distance 1052.736' Bearing S 89° 14' 39.44" E

Arc
PC N185566.717E 121752.602 Station 23+60.6
CC N188423.259 E 121790.281
PI N 185557.650 E 122440.068 Station 30+48.13
TAN 687.525'
DB S 89° 14' 39.44" E'
DA N 63° 41' 32.5" E'
LChord Distance 1336.880' Bearing N 77° 13' 26.53" E
External Distance81.567'
Middle Ordinate 79.302'
Radius 2856.790'
DEG 2° 0' 20.16"'
DELTA 27° 3' 48.06"'
LENGTH 1349.389'
PT N185862.354 E 123056.384 Station 37+09.99

Tangent N 185862.354 E 123056.384 Z Station 37+09.99
Distance 964.427' Bearing N 63° 41' 32.5" E

Arc
PC N186289.779 E 123920.923 Station 46+74.42
CC N183714.532E 125194.117
PI N 186818.105 E 124989.550 Station 58+66.51
TAN 1192.096'
DB N 63° 41' 32.5" E'
DA S 71° 14' 4.4" E'
LChord Distance 2202.123' Bearing N 86° 13' 44.06" E
External Distance237.518'
Middle Ordinate 219.380'
Radius 2872.790'
DEG 1° 59' 39.95"'
DELTA 45° 4' 23.1"'
LENGTH 2259.948'
PT N186434.614E 126118.278 Station 69+34.37

Tangent N 186434.614E 126118.278 Z Station 69+34.37
Distance 578.402' Bearing S 71° 14' 4.4" E

Arc
PC N186248.546 E 126665.934 Station 75+12.77
CC N188953.478 E 127584.948
PI N 186113.128 E 127064.509 Station 79+33.72
TAN 420.951'
DB S 71° 14' 4.4" E'
DA S 87° 59' 56.75" E'
LChord Distance 832.908' Bearing S 79° 37' 0.58" E
External Distance30.847'
Middle Ordinate 30.518'
Radius 2856.790'
DEG 2° 0' 20.16"'
DELTA 16° 45' 52.36"'
LENGTH 835.887'
PT N186098.430 E 127485.203 Station 83+48.65

Tangent N 186098.430 E 127485.203 Z Station 83+48.65
Distance 2317.502' Bearing S 87° 59' 56.75" E

Arc
PC N186017.514 E 129801.292 Station 106+66.16
CC N197461.692E 130201.112
PI N 185984.663 E 130741.598 Station 116+07.04
TAN 940.880'
DB S 87° 59' 56.75" E'
DA N 82° 36' 23.9" E'
LChord Distance 1875.440' Bearing N 87° 18' 13.57" E
External Distance38.588'
Middle Ordinate 38.459'
Radius 11451.160'
DEG 0° 30' 1.26"'
DELTA 9° 23' 39.36"'
LENGTH 1877.542'
PT N186105.736E 131674.655 Station 125+43.7

Tangent N 186105.736E 131674.655Z Station 125+43.7
Distance 1087.250' Bearing N 82° 36' 23.9" E

Tangent N 186245.644 E 132752.866 Z Station 136+30.95
Distance 600.053' Bearing N 83° 22' 13.93" E

Tangent N 186314.919 E 133348.907 Z Station 142+31
Distance 3739.104' Bearing N 82° 36' 23.9" E

End N 186796.070 E 137056.925 Z Station 179+70.11

Alignment Length = 17970.11'

Alignment: Stage 7J WB Centerline - Passing Lane

Tangent N 185589.852 E 119392.155 Z Station 00+00
Distance 389.594' Bearing S 89° 14' 39.44" E

Arc
PC N185584.714E 119781.715 Station 03+89.59
CC N179585.235 E 119702.579
PI N 185581.835E 119999.914 Station 06+07.81
TAN 218.218'
DB S 89° 14' 39.44" E'
DA S 85° 4' 42.5" E'
LChord Distance 436.147' Bearing S 87° 9' 40.97" E
External Distance3.967'
Middle Ordinate 3.964'
Radius 6000.000'
DEG 0° 57' 17.75"'
DELTA 4° 9' 56.95"'
LENGTH 436.243'
PT N185563.114 E 120217.327 Station 08+25.84

Tangent N 185563.114 E 120217.327Z Station 08+25.84
Distance 265.626' Bearing S 85° 4' 42.5" E

Arc
PC N185540.326 E 120481.973 Station 10+91.46
CC N191518.205 E 120996.721
PI N 185521.605E 120699.387 Station 13+09.68
TAN 218.218'
DB S 85° 4' 42.5" E'
DA S 89° 14' 39.44" E'
LChord Distance 436.147' Bearing S 87° 9' 40.97" E
External Distance3.967'
Middle Ordinate 3.964'
Radius 6000.000'
DEG 0° 57' 17.75"'
DELTA 4° 9' 56.95"'
LENGTH 436.243'
PT N185518.727E 120917.586 Station 15+27.71

Tangent N 185518.727E 120917.586Z Station 15+27.71
Distance 988.051' Bearing S 89° 14' 39.44" E

Arc
PC N185505.695 E 121905.551 Station 25+15.76
CC N191211.779 E 121980.817
PI N 185496.586 E 122596.108 Station 32+06.38
TAN 690.617'
DB S 89° 14' 39.44" E'
DA N 76° 57' 17.36" E'
LChord Distance 1371.229' Bearing N 83° 51' 18.96" E
External Distance41.638'
Middle Ordinate 41.336'
Radius 5706.580'
DEG 1° 0' 14.51"'
DELTA 13° 48' 3.2"'
LENGTH 1374.549'
PT N185652.472 E 123268.902 Station 38+90.31

Tangent N 185652.472 E 123268.902 Z Station 38+90.31
Distance 1372.563' Bearing N 76° 57' 17.36" E

Arc
PC N185962.286 E 124606.042 Station 52+62.87
CC N182218.737E 125473.418
PI N 186092.252 E 125166.972 Station 58+38.66
TAN 575.790'
DB N 76° 57' 17.36" E'
DA S 86° 0' 6.04" E'
LChord Distance 1138.866' Bearing N 85° 28' 35.67" E
External Distance42.898'
Middle Ordinate 42.425'
Radius 3842.720'
DEG 1° 29' 27.68"'
DELTA 17° 2' 36.6"'
LENGTH 1143.075'
PT N186052.104E 125741.360 Station 64+05.95

Tangent N 186052.104E 125741.360Z Station 64+05.95
Distance 1287.260' Bearing S 86° 0' 6.04" E

Arc
PC N185962.347 E 127025.487 Station 76+93.21
CC N197370.672 E 127822.899
PI N 185948.446 E 127224.363 Station 78+92.57
TAN 199.361'
DB S 86° 0' 6.04" E'
DA S 87° 59' 56.75" E'
LChord Distance 398.662' Bearing S 87° 0' 1.4" E
External Distance1.738'
Middle Ordinate 1.737'
Radius 11436.160'
DEG 0° 30' 3.62"'
DELTA 1° 59' 50.72"'
LENGTH 398.683'
PT N185941.485E 127423.603 Station 80+91.89

Tangent N 185941.485E 127423.603 Z Station 80+91.89
Distance 2081.560' Bearing S 87° 59' 56.75" E

Arc
PC N185868.807 E 129503.894 Station 101+73.45
CC N197297.994 E 129903.190
PI N 185835.999 E 130442.968 Station 111+13.1
TAN 939.647'
DB S 87° 59' 56.75" E'
DA N 82° 36' 23.9" E'
LChord Distance 1872.983' Bearing N 87° 18' 13.57" E
External Distance38.538'
Middle Ordinate 38.409'
Radius 11436.160'
DEG 0° 30' 3.62"'
DELTA 9° 23' 39.36"'
LENGTH 1875.083'
PT N185956.914E 131374.803 Station 120+48.53

Tangent N 185956.914E 131374.803Z Station 120+48.53
Distance 3255.988' Bearing N 82° 36' 23.9" E

Arc
PC N186375.897 E 134603.721 Station 153+04.52
CC N192326.013E 133831.637
PI N 186419.998E 134943.595 Station 156+47.24
TAN 342.723'
DB N 82° 36' 23.9" E'
DA N 76° 4' 5.59" E'
LChord Distance 684.330' Bearing N 79° 20' 14.74" E
External Distance9.780'
Middle Ordinate 9.764'
Radius 6000.000'
DEG 0° 57' 17.75"'
DELTA 6° 32' 18.3"'
LENGTH 684.701'
PT N186502.515E 135276.236 Station 159+89.22

Tangent N 186502.515E 135276.236 Z Station 159+89.22
Distance 201.536' Bearing N 76° 4' 5.59" E

Arc
PC N186551.038E 135471.843 Station 161+90.76
CC N180727.539 E 136916.441
PI N 186633.554 E 135804.484 Station 165+33.48
TAN 342.723'
DB N 76° 4' 5.59" E'
DA N 82° 36' 23.9" E'
LChord Distance 684.330' Bearing N 79° 20' 14.74" E
External Distance9.780'
Middle Ordinate 9.764'
Radius 6000.000'
DEG 0° 57' 17.75"'
DELTA 6° 32' 18.3"'
LENGTH 684.701'
PT N186677.655 E 136144.357 Station 168+75.46

Tangent N 186677.655 E 136144.357Z Station 168+75.46
Distance 920.218' Bearing N 82° 36' 23.9" E

End N 186796.070 E 137056.925 Z Station 177+95.68

Alignment Length = 17795.68'

Alignment: Stage 7M WB Centerline - Driving Lane

Tangent N 185589.852 E 119392.155 Z Station 00+00
Distance 389.594' Bearing S 89° 14' 39.44" E

Arc
PC N185584.714E 119781.715 Station 03+89.59
CC N179585.235 E 119702.579
PI N 185583.395 E 119881.667 Station 04+89.56
TAN 99.961'
DB S 89° 14' 39.44" E'
DA S 87° 20' 7.27" E'
LChord Distance 199.894' Bearing S 88° 17' 23.36" E
External Distance.833'
Middle Ordinate .833'
Radius 6000.000'
DEG 0° 57' 17.75"'
DELTA 1° 54' 32.17"'
LENGTH 199.903'
PT N185578.748 E 119981.520 Station 05+89.5

Tangent N 185578.748 E 119981.520 Z Station 05+89.5
Distance 460.519' Bearing S 87° 20' 7.27" E

Arc
PC N185557.338 E 120441.541 Station 10+50.02
CC N191550.851 E 120720.482
PI N 185552.691E 120541.394 Station 11+49.98
TAN 99.961'
DB S 87° 20' 7.27" E'
DA S 89° 14' 39.44" E'
LChord Distance 199.894' Bearing S 88° 17' 23.36" E
External Distance.833'
Middle Ordinate .833'
Radius 6000.000'
DEG 0° 57' 17.75"'
DELTA 1° 54' 32.17"'
LENGTH 199.903'
PT N185551.373E 120641.346 Station 12+49.92

Tangent N 185551.373E 120641.346Z Station 12+49.92
Distance 1116.474' Bearing S 89° 14' 39.44" E

Arc
PC N185536.647 E 121757.723 Station 23+66.39
CC N188409.397 E 121795.616
PI N 185527.528 E 122449.089 Station 30+57.82
TAN 691.426'
DB S 89° 14' 39.44" E'
DA N 63° 41' 32.5" E'
LChord Distance 1344.466' Bearing N 77° 13' 26.53" E
External Distance82.030'
Middle Ordinate 79.752'
Radius 2873.000'
DEG 1° 59' 39.42"'
DELTA 27° 3' 48.06"'
LENGTH 1357.046'
PT N185833.962 E 123068.903 Station 37+23.44

Tangent N 185833.962 E 123068.903 Z Station 37+23.44
Distance 965.789' Bearing N 63° 41' 32.5" E

Arc
PC N186261.990E 123934.662 Station 46+89.23
CC N183714.533E 125194.117
PI N 186784.615E 124991.758 Station 58+68.46
TAN 1179.232'
DB N 63° 41' 32.5" E'
DA S 71° 14' 4.4" E'
LChord Distance 2178.360' Bearing N 86° 13' 44.06" E
External Distance234.955'
Middle Ordinate 217.012'
Radius 2841.789'
DEG 2° 0' 58.27"'
DELTA 45° 4' 23.1"'
LENGTH 2235.561'
PT N186405.262 E 126108.305 Station 69+24.79

Tangent N 186405.262 E 126108.305Z Station 69+24.79
Distance 578.402' Bearing S 71° 14' 4.4" E

Arc
PC N186219.193 E 126655.962 Station 75+03.19
CC N188953.477 E 127584.948
PI N 186082.306 E 127058.861 Station 79+28.71
TAN 425.519'
DB S 71° 14' 4.4" E'
DA S 87° 59' 56.75" E'
LChord Distance 841.946' Bearing S 79° 37' 0.58" E
External Distance31.182'
Middle Ordinate 30.849'
Radius 2887.789'
DEG 1° 59' 2.66"'
DELTA 16° 45' 52.36"'
LENGTH 844.957'
PT N186067.449 E 127484.120 Station 83+48.15

Tangent N 186067.449 E 127484.120Z Station 83+48.15
Distance 2312.539' Bearing S 87° 59' 56.75" E

Arc
PC N185986.706 E 129795.250 Station 106+60.69
CC N197447.714E 130195.658
PI N 185953.807 E 130736.939 Station 116+02.95
TAN 942.263'
DB S 87° 59' 56.75" E'
DA N 82° 36' 23.9" E'
LChord Distance 1878.198' Bearing N 87° 18' 13.57" E
External Distance38.645'
Middle Ordinate 38.515'
Radius 11468.000'
DEG 0° 29' 58.61"'
DELTA 9° 23' 39.36"'
LENGTH 1880.303'
PT N186075.058 E 131671.368 Station 125+40.99

Tangent N 186075.058 E 131671.368 Z Station 125+40.99
Distance 821.140' Bearing N 82° 36' 23.9" E

Arc
PC N186180.723E 132485.681 Station 133+62.13
CC N192130.839E 131713.597
PI N 186190.158 E 132558.394 Station 134+35.45
TAN 73.322'
DB N 82° 36' 23.9" E'
DA N 81° 12' 22.87" E'
LChord Distance 146.634' Bearing N 81° 54' 23.38" E
External Distance.448'
Middle Ordinate .448'
Radius 6000.000'
DEG 0° 57' 17.75"'
DELTA 1° 24' 1.02"'
LENGTH 146.637'
PT N186201.367E 132630.854 Station 135+08.77

Tangent N 186201.367E 132630.854 Z Station 135+08.77
Distance 753.624' Bearing N 81° 12' 22.87" E

Arc
PC N186316.579E 133375.620 Station 142+62.39
CC N180387.107E 134292.877
PI N 186327.788 E 133448.080 Station 143+35.71
TAN 73.322'
DB N 81° 12' 22.87" E'
DA N 82° 36' 23.9" E'
LChord Distance 146.634' Bearing N 81° 54' 23.38" E
External Distance.448'
Middle Ordinate .448'
Radius 6000.000'
DEG 0° 57' 17.75"'
DELTA 1° 24' 1.02"'
LENGTH 146.637'
PT N186337.223 E 133520.793 Station 144+09.03

Tangent N 186337.223 E 133520.793 Z Station 144+09.03
Distance 3565.777' Bearing N 82° 36' 23.9" E

End N 186796.070 E 137056.925 Z Station 179+74.81

Alignment Length = 17974.81'

Alignment: Stage 8E EB Centerline - Driving Lane

Tangent N 185515.858E 119391.178 Z Station 00+00
Distance 250.116' Bearing S 89° 14' 39.44" E

Arc
PC N185512.560E 119641.273 Station 02+50.12
CC N191512.038 E 119720.408
PI N 185511.378 E 119730.866 Station 03+39.72
TAN 89.601'
DB S 89° 14' 39.44" E'
DA N 89° 2' 40.54" E'
LChord Distance 179.181' Bearing N 89° 54' 0.55" E
External Distance.669'
Middle Ordinate .669'
Radius 6000.000'
DEG 0° 57' 17.75"'
DELTA 1° 42' 40.02"'
LENGTH 179.188'
PT N185512.872E 119820.454 Station 04+29.3

Tangent N 185512.872E 119820.454Z Station 04+29.3
Distance 591.056' Bearing N 89° 2' 40.54" E

Arc
PC N185522.727 E 120411.427 Station 10+20.36
CC N179523.561E 120511.472
PI N 185524.221E 120501.015 Station 11+09.96
TAN 89.601'
DB N 89° 2' 40.54" E'
DA S 89° 14' 39.44" E'
LChord Distance 179.181' Bearing N 89° 54' 0.55" E
External Distance.669'
Middle Ordinate .669'
Radius 6000.000'
DEG 0° 57' 17.75"'
DELTA 1° 42' 40.02"'
LENGTH 179.188'
PT N185523.040 E 120590.608 Station 11+99.55

Tangent N 185523.040 E 120590.608 Z Station 11+99.55
Distance 1315.058' Bearing S 89° 14' 39.44" E

Arc
PC N185505.695 E 121905.551 Station 25+14.6
CC N191211.779 E 121980.817
PI N 185496.586 E 122596.108 Station 32+05.22
TAN 690.617'
DB S 89° 14' 39.44" E'
DA N 76° 57' 17.36" E'
LChord Distance 1371.229' Bearing N 83° 51' 18.96" E
External Distance41.638'
Middle Ordinate 41.336'
Radius 5706.580'
DEG 1° 0' 14.51"'
DELTA 13° 48' 3.2"'
LENGTH 1374.549'
PT N185652.472 E 123268.902 Station 38+89.15

Tangent N 185652.472 E 123268.902 Z Station 38+89.15
Distance 1372.563' Bearing N 76° 57' 17.36" E

Arc
PC N185962.286 E 124606.042 Station 52+61.72
CC N182218.737E 125473.418
PI N 186092.252 E 125166.972 Station 58+37.51
TAN 575.790'
DB N 76° 57' 17.36" E'
DA S 86° 0' 6.04" E'
LChord Distance 1138.866' Bearing N 85° 28' 35.67" E
External Distance42.898'
Middle Ordinate 42.425'
Radius 3842.720'
DEG 1° 29' 27.68"'
DELTA 17° 2' 36.6"'
LENGTH 1143.075'
PT N186052.104E 125741.360 Station 64+04.79

Tangent N 186052.104E 125741.360Z Station 64+04.79
Distance 1287.260' Bearing S 86° 0' 6.04" E

Arc
PC N185962.347 E 127025.487 Station 76+92.05
CC N197370.672 E 127822.899
PI N 185948.446 E 127224.363 Station 78+91.41
TAN 199.361'
DB S 86° 0' 6.04" E'
DA S 87° 59' 56.75" E'
LChord Distance 398.662' Bearing S 87° 0' 1.4" E
External Distance1.738'
Middle Ordinate 1.737'
Radius 11436.160'
DEG 0° 30' 3.62"'
DELTA 1° 59' 50.72"'
LENGTH 398.683'
PT N185941.485E 127423.603 Station 80+90.73

Tangent N 185941.485E 127423.603 Z Station 80+90.73
Distance 2081.560' Bearing S 87° 59' 56.75" E

Arc
PC N185868.807 E 129503.894 Station 101+72.29
CC N197297.994 E 129903.190
PI N 185835.999 E 130442.968 Station 111+11.94
TAN 939.647'
DB S 87° 59' 56.75" E'
DA N 82° 36' 23.9" E'
LChord Distance 1872.983' Bearing N 87° 18' 13.57" E
External Distance38.538'
Middle Ordinate 38.409'
Radius 11436.160'
DEG 0° 30' 3.62"'
DELTA 9° 23' 39.36"'
LENGTH 1875.083'
PT N185956.914E 131374.803 Station 120+47.38

Tangent N 185956.914E 131374.803Z Station 120+47.38
Distance 2417.532' Bearing N 82° 36' 23.9" E

Arc
PC N186268.003 E 133772.236 Station 144+64.91
CC N180317.887E 134544.320
PI N 186279.100E 133857.751 Station 145+51.14
TAN 86.232'
DB N 82° 36' 23.9" E'
DA N 84° 15' 12.38" E'
LChord Distance 172.447' Bearing N 83° 25' 48.14" E
External Distance.620'
Middle Ordinate .620'
Radius 6000.000'
DEG 0° 57' 17.75"'
DELTA 1° 38' 48.48"'
LENGTH 172.452'
PT N186287.734 E 133943.550 Station 146+37.36

Tangent N 186287.734 E 133943.550 Z Station 146+37.36
Distance 627.866' Bearing N 84° 15' 12.38" E

Arc
PC N186350.601E 134568.261 Station 152+65.23
CC N192320.449 E 133967.491
PI N 186359.236 E 134654.060 Station 153+51.46
TAN 86.232'
DB N 84° 15' 12.38" E'
DA N 82° 36' 23.9" E'
LChord Distance 172.447' Bearing N 83° 25' 48.14" E
External Distance.620'
Middle Ordinate .620'
Radius 6000.000'
DEG 0° 57' 17.75"'
DELTA 1° 38' 48.48"'
LENGTH 172.452'
PT N186370.332 E 134739.575 Station 154+37.68

Tangent N 186370.332 E 134739.575 Z Station 154+37.68
Distance 2013.768' Bearing N 82° 36' 23.9" E

End N 186629.465 E 136736.601Z Station 174+51.45

Alignment Length = 17451.45'

Alignment: Stage 8E EB Centerline - Passing Lane

Tangent N 185515.858E 119391.178 Z Station 00+00
Distance 250.116' Bearing S 89° 14' 39.44" E

Arc
PC N185512.560E 119641.273 Station 02+50.12
CC N191512.038 E 119720.408
PI N 185509.137E 119900.764 Station 05+09.63
TAN 259.514'
DB S 89° 14' 39.44" E'
DA N 85° 48' 8.84" E'
LChord Distance 518.542' Bearing N 88° 16' 44.7" E
External Distance5.610'
Middle Ordinate 5.604'
Radius 6000.000'
DEG 0° 57' 17.75"'
DELTA 4° 57' 11.73"'
LENGTH 518.704'
PT N185528.132E 120159.581 Station 07+68.82

Tangent N 185528.132E 120159.581 Z Station 07+68.82
Distance 83.222' Bearing N 85° 48' 8.84" E

Arc
PC N185534.224 E 120242.580 Station 08+52.04
CC N179550.318E 120681.753
PI N 185553.219E 120501.398 Station 11+11.56
TAN 259.514'
DB N 85° 48' 8.84" E'
DA S 89° 14' 39.44" E'
LChord Distance 518.542' Bearing N 88° 16' 44.7" E
External Distance5.610'
Middle Ordinate 5.604'
Radius 6000.000'
DEG 0° 57' 17.75"'
DELTA 4° 57' 11.73"'
LENGTH 518.704'
PT N185549.796 E 120760.889 Station 13+70.75

Tangent N 185549.796 E 120760.889 Z Station 13+70.75
Distance 996.921' Bearing S 89° 14' 39.44" E

Arc
PC N185536.647 E 121757.723 Station 23+67.67
CC N188409.397 E 121795.616
PI N 185527.528 E 122449.089 Station 30+59.09
TAN 691.426'
DB S 89° 14' 39.44" E'
DA N 63° 41' 32.5" E'
LChord Distance 1344.466' Bearing N 77° 13' 26.53" E
External Distance82.030'
Middle Ordinate 79.752'
Radius 2873.000'
DEG 1° 59' 39.42"'
DELTA 27° 3' 48.06"'
LENGTH 1357.046'
PT N185833.962 E 123068.903 Station 37+24.71

Tangent N 185833.962 E 123068.903 Z Station 37+24.71
Distance 965.789' Bearing N 63° 41' 32.5" E

Arc
PC N186261.990E 123934.662 Station 46+90.5
CC N183714.533E 125194.117
PI N 186784.615E 124991.758 Station 58+69.73
TAN 1179.232'
DB N 63° 41' 32.5" E'
DA S 71° 14' 4.4" E'
LChord Distance 2178.360' Bearing N 86° 13' 44.06" E
External Distance234.955'
Middle Ordinate 217.012'
Radius 2841.789'
DEG 2° 0' 58.27"'
DELTA 45° 4' 23.1"'
LENGTH 2235.561'
PT N186405.262 E 126108.305 Station 69+26.06

Tangent N 186405.262 E 126108.305Z Station 69+26.06
Distance 578.402' Bearing S 71° 14' 4.4" E

Arc
PC N186219.193 E 126655.962 Station 75+04.46
CC N188953.477 E 127584.948
PI N 186082.306 E 127058.861 Station 79+29.98
TAN 425.519'
DB S 71° 14' 4.4" E'
DA S 87° 59' 56.75" E'
LChord Distance 841.946' Bearing S 79° 37' 0.58" E
External Distance31.182'
Middle Ordinate 30.849'
Radius 2887.789'
DEG 1° 59' 2.66"'
DELTA 16° 45' 52.36"'
LENGTH 844.957'
PT N186067.449 E 127484.120 Station 83+49.42

Tangent N 186067.449 E 127484.120Z Station 83+49.42
Distance 2312.539' Bearing S 87° 59' 56.75" E

Arc
PC N185986.706 E 129795.250 Station 106+61.96
CC N197447.714E 130195.658
PI N 185953.807 E 130736.939 Station 116+04.22
TAN 942.263'
DB S 87° 59' 56.75" E'
DA N 82° 36' 23.9" E'
LChord Distance 1878.198' Bearing N 87° 18' 13.57" E
External Distance38.645'
Middle Ordinate 38.515'
Radius 11468.000'
DEG 0° 29' 58.61"'
DELTA 9° 23' 39.36"'
LENGTH 1880.303'
PT N186075.058 E 131671.368 Station 125+42.26

Tangent N 186075.058 E 131671.368 Z Station 125+42.26
Distance 2255.547' Bearing N 82° 36' 23.9" E

Arc
PC N186365.303 E 133908.163 Station 147+97.81
CC N180415.187 E 134680.247
PI N 186408.915E 134244.260 Station 151+36.73
TAN 338.915'
DB N 82° 36' 23.9" E'
DA N 89° 4' 21.25" E'
LChord Distance 676.752' Bearing N 85° 50' 22.57" E
External Distance9.564'
Middle Ordinate 9.549'
Radius 6000.000'
DEG 0° 57' 17.75"'
DELTA 6° 27' 57.36"'
LENGTH 677.111'
PT N186414.401 E 134583.131 Station 154+74.92

Tangent N 186414.401 E 134583.131 Z Station 154+74.92
Distance 227.931' Bearing N 89° 4' 21.25" E

Arc
PC N186418.090E 134811.032 Station 157+02.85
CC N192417.304E 134713.916
PI N 186423.576 E 135149.903 Station 160+41.77
TAN 338.915'
DB N 89° 4' 21.25" E'
DA N 82° 36' 23.9" E'
LChord Distance 676.752' Bearing N 85° 50' 22.57" E
External Distance9.564'
Middle Ordinate 9.549'
Radius 6000.000'
DEG 0° 57' 17.75"'
DELTA 6° 27' 57.36"'
LENGTH 677.111'
PT N186467.188E 135486.000 Station 163+79.96

Tangent N 186467.188E 135486.000 Z Station 163+79.96
Distance 1261.085' Bearing N 82° 36' 23.9" E

End N 186629.465 E 136736.601Z Station 176+41.05

Alignment Length = 17641.05'

Alignment: Stage 8H EB Centerline - Driving Lane

Tangent N 185515.858E 119391.178 Z Station 00+00
Distance 250.116' Bearing S 89° 14' 39.44" E

Tangent N 185512.560E 119641.273 Z Station 02+50.12
Distance 600.053' Bearing S 88° 28' 49.41" E

Tangent N 185496.647 E 120241.115 Z Station 08+50.17
Distance 1664.172' Bearing S 89° 14' 39.44" E

Arc
PC N185474.698 E 121905.142 Station 25+14.34
CC N191211.776 E 121980.817
PI N 185465.539 E 122599.450 Station 32+08.71
TAN 694.368'
DB S 89° 14' 39.44" E'
DA N 76° 57' 17.36" E'
LChord Distance 1378.677' Bearing N 83° 51' 18.96" E
External Distance41.864'
Middle Ordinate 41.561'
Radius 5737.578'
DEG 0° 59' 54.98"'
DELTA 13° 48' 3.2"'
LENGTH 1382.016'
PT N185622.272 E 123275.899 Station 38+96.36

Tangent N 185622.272 E 123275.899 Z Station 38+96.36
Distance 1372.563' Bearing N 76° 57' 17.36" E

Arc
PC N185932.086 E 124613.039 Station 52+68.92
CC N182218.738E 125473.418
PI N 186061.004 E 125169.444 Station 58+40.06
TAN 571.145'
DB N 76° 57' 17.36" E'
DA S 86° 0' 6.04" E'
LChord Distance 1129.678' Bearing N 85° 28' 35.67" E
External Distance42.552'
Middle Ordinate 42.083'
Radius 3811.719'
DEG 1° 30' 11.33"'
DELTA 17° 2' 36.6"'
LENGTH 1133.854'
PT N186021.180E 125739.198 Station 64+02.77

Tangent N 186021.180E 125739.198Z Station 64+02.77
Distance 1085.864' Bearing S 86° 0' 6.04" E

Arc
PC N185945.465 E 126822.420 Station 74+88.64
CC N208909.437 E 128427.542
PI N 185917.484E 127222.741 Station 78+89.94
TAN 401.297'
DB S 86° 0' 6.04" E'
DA S 87° 59' 56.75" E'
LChord Distance 802.473' Bearing S 87° 0' 1.4" E
External Distance3.498'
Middle Ordinate 3.497'
Radius 23020.000'
DEG 0° 14' 56.02"'
DELTA 1° 59' 50.72"'
LENGTH 802.513'
PT N185903.472 E 127623.793 Station 82+91.15

Tangent N 185903.472 E 127623.793 Z Station 82+91.15
Distance 1880.165' Bearing S 87° 59' 56.75" E

Arc
PC N185837.826 E 129502.812 Station 101+71.32
CC N197297.990 E 129903.190
PI N 185804.929 E 130444.431 Station 111+13.51
TAN 942.194'
DB S 87° 59' 56.75" E'
DA N 82° 36' 23.9" E'
LChord Distance 1878.059' Bearing N 87° 18' 13.57" E
External Distance38.642'
Middle Ordinate 38.513'
Radius 11467.156'
DEG 0° 29' 58.74"'
DELTA 9° 23' 39.36"'
LENGTH 1880.165'
PT N185926.171 E 131378.792 Station 120+51.48

Tangent N 185926.171 E 131378.792Z Station 120+51.48
Distance 2503.760' Bearing N 82° 36' 23.9" E

Tangent N 186248.357 E 133861.736Z Station 145+55.24
Distance 600.053' Bearing N 81° 50' 33.86" E

Tangent N 186333.499 E 134455.718Z Station 151+55.29
Distance 2300.005' Bearing N 82° 36' 23.9" E

End N 186629.465 E 136736.601Z Station 174+55.3

Alignment Length = 17455.30'

1022-07-76

Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	88.000	88.000
0004	201.0205	Grubbing	STA	88.000	88.000
0006	203.0100	Removing Small Pipe Culverts	EACH	19.000	19.000
0008	203.0200	Removing Old Structure (station) 01. 317+29.89 WB	LS	1.000	1.000
0010	203.0200	Removing Old Structure (station) 02. 317+29.00 EB	LS	1.000	1.000
0012	203.0200	Removing Old Structure (station) 03. 392+11.11 WB	LS	1.000	1.000
0014	203.0200	Removing Old Structure (station) 04. 392+11.11 EB	LS	1.000	1.000
0016	203.0200	Removing Old Structure (station) 05. 483+87.65 WB	LS	1.000	1.000
0018	203.0200	Removing Old Structure (station) 06. 483+93.97 EB	LS	1.000	1.000
0020	204.0100	Removing Pavement	SY	294,630.000	294,630.000
0022	204.0110	Removing Asphaltic Surface	SY	33,970.000	33,970.000
0024	204.0115	Removing Asphaltic Surface Butt Joints	SY	770.000	770.000
0026	204.0120	Removing Asphaltic Surface Milling	SY	43,125.000	43,125.000
0028	204.0130	Removing Curb	LF	76.000	76.000
0030	204.0165	Removing Guardrail	LF	368.000	368.000
0032	204.0170	Removing Fence	LF	87,671.000	87,671.000
0034	204.0180	Removing Delineators and Markers	EACH	340.000	340.000
0036	204.0190	Removing Surface Drains	EACH	12.000	12.000
0038	204.0195	Removing Concrete Bases	EACH	3.000	3.000
0040	204.0220	Removing Inlets	EACH	12.000	12.000
0042	204.9060.S	Removing (item description) 01. Apron Endwalls	EACH	9.000	9.000
0044	204.9060.S	Removing (item description) 02. Mortar Rubble Endwalls	EACH	7.000	7.000
0046	205.0100	Excavation Common	CY	573,693.000	573,693.000
0048	205.3000.S	Temporary Emergency Pullouts	EACH	42.000	42.000
0050	206.1000	Excavation for Structures Bridges (structure) 01. B-55-247	LS	1.000	1.000
0052	206.1000	Excavation for Structures Bridges (structure) 02. B-55-248	LS	1.000	1.000
0054	206.1000	Excavation for Structures Bridges (structure) 03. B-55-245	LS	1.000	1.000
0056	206.1000	Excavation for Structures Bridges (structure) 04. B-55-246	LS	1.000	1.000
0058	206.1000	Excavation for Structures Bridges (structure) 05. B-17-215	LS	1.000	1.000
0060	206.1000	Excavation for Structures Bridges (structure) 06. B-17-214	LS	1.000	1.000
0062	208.0100	Borrow	CY	199,890.000	199,890.000
0064	208.1100	Select Borrow	CY	132,650.000	132,650.000
0066	210.1500	Backfill Structure Type A	TON	2,742.000	2,742.000
0068	211.0100	Prepare Foundation for Asphaltic Paving (project) 01.	LS	1.000	1.000

1022-07-76

Line	Item	Item Description	Unit	Total	Qty
		1022-07-76			
0070	211.0400	Prepare Foundation for Asphaltic Shoulders	STA	416.000	416.000
0072	213.0100	Finishing Roadway (project) 01. 1022-07-76	EACH	1.000	1.000
0074	305.0110	Base Aggregate Dense 3/4-Inch	TON	121,080.000	121,080.000
0076	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	412,383.000	412,383.000
0078	310.0110	Base Aggregate Open-Graded	TON	2,500.000	2,500.000
0080	312.0110	Select Crushed Material	TON	9,000.000	9,000.000
0082	415.0090	Concrete Pavement 9-Inch	SY	7,065.000	7,065.000
0084	415.0120	Concrete Pavement 12-Inch	SY	254,476.000	254,476.000
0086	415.0210	Concrete Pavement Gaps	EACH	6.000	6.000
0088	415.0410	Concrete Pavement Approach Slab	SY	568.000	568.000
0090	415.5110.S	Concrete Pavement Joint Layout	LS	1.000	1.000
0092	416.0620	Drilled Dowel Bars	EACH	64.000	64.000
0094	416.1110	Concrete Shoulder Rumble Strips	LF	87,239.000	87,239.000
0096	450.4000	HMA Cold Weather Paving	TON	6,195.000	6,195.000
0098	455.0605	Tack Coat	GAL	23,025.000	23,025.000
0100	460.2000	Incentive Density HMA Pavement	DOL	25,480.000	25,480.000
0102	460.7423	HMA Pavement 3 HT 58-28 H	TON	19,393.000	19,393.000
0104	460.7444	HMA Pavement 4 HT 58-34 H	TON	20,413.000	20,413.000
0106	465.0105	Asphaltic Surface	TON	300.000	300.000
0108	465.0110	Asphaltic Surface Patching	TON	500.000	500.000
0110	465.0125	Asphaltic Surface Temporary	TON	112,030.000	112,030.000
0112	465.0315	Asphaltic Flumes	SY	79.000	79.000
0114	465.0400	Asphaltic Shoulder Rumble Strips	LF	110,267.000	110,267.000
0116	501.1000.S	Ice Hot Weather Concreting	LB	41,349.000	41,349.000
0118	502.0100	Concrete Masonry Bridges	CY	5,511.000	5,511.000
0120	502.3200	Protective Surface Treatment	SY	7,130.000	7,130.000
0122	502.3210	Pigmented Surface Sealer	SY	942.000	942.000
0124	503.0137	Prestressed Girder Type I 36W-Inch	LF	1,470.000	1,470.000
0126	503.0146	Prestressed Girder Type I 45W-Inch	LF	2,784.000	2,784.000
0128	505.0400	Bar Steel Reinforcement HS Structures	LB	73,545.000	73,545.000
0130	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	843,215.000	843,215.000
0132	505.0800.S	Bar Steel Reinforcement HS Stainless Structures	LB	9,720.000	9,720.000
0134	506.2605	Bearing Pads Elastomeric Non-Laminated	EACH	120.000	120.000
0136	506.4000	Steel Diaphragms (structure) 01. B-55-247	EACH	22.000	22.000
0138	506.4000	Steel Diaphragms (structure) 02. B-55-248	EACH	22.000	22.000
0140	506.4000	Steel Diaphragms (structure) 03. B-55-245	EACH	15.000	15.000
0142	506.4000	Steel Diaphragms (structure) 04. B-55-246	EACH	15.000	15.000
0144	516.0500	Rubberized Membrane Waterproofing	SY	208.000	208.000
0146	520.2015	Culvert Pipe Temporary 15-Inch	LF	79.000	79.000

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Line	Item	Item Description	Unit	Total	Qty
0148	520.2018	Culvert Pipe Temporary 18-Inch	LF	4,065.000	4,065.000
0150	520.8000	Concrete Collars for Pipe	EACH	27.000	27.000
0152	520.8700	Cleaning Culvert Pipes	EACH	2.000	2.000
0154	521.1072	Apron Endwalls for Culvert Pipe Steel 72-Inch	EACH	1.000	1.000
0156	522.0115	Culvert Pipe Reinforced Concrete Class III 15-Inch	LF	34.000	34.000
0158	522.0118	Culvert Pipe Reinforced Concrete Class III 18-Inch	LF	262.000	262.000
0160	522.0124	Culvert Pipe Reinforced Concrete Class III 24-Inch	LF	1,106.000	1,106.000
0162	522.0130	Culvert Pipe Reinforced Concrete Class III 30-Inch	LF	461.000	461.000
0164	522.0136	Culvert Pipe Reinforced Concrete Class III 36-Inch	LF	50.000	50.000
0166	522.1015	Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	EACH	6.000	6.000
0168	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	11.000	11.000
0170	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	19.000	19.000
0172	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	12.000	12.000
0174	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	6.000	6.000
0176	526.0100	Temporary Structure (station) 01. 317+29.70	LS	1.000	1.000
0178	526.0100	Temporary Structure (station) 02. 392+11.11	LS	1.000	1.000
0180	526.0100	Temporary Structure (station) 03. 483+44.69 EB	LS	1.000	1.000
0182	527.0172	Pipe Structural Plate 72-Inch	LF	8.000	8.000
0184	550.0500	Pile Points	EACH	345.000	345.000
0186	550.1100	Piling Steel HP 10-Inch X 42 Lb	LF	13,150.000	13,150.000
0188	601.0115	Concrete Curb Type G	LF	109.000	109.000
0190	601.0555	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type A	LF	347.000	347.000
0192	601.0588	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type TBT	LF	480.000	480.000
0194	602.0405	Concrete Sidewalk 4-Inch	SF	214.000	214.000
0196	603.1142	Concrete Barrier Type S42	LF	125.000	125.000
0198	603.8000	Concrete Barrier Temporary Precast Delivered	LF	248,480.000	248,480.000
0200	603.8125	Concrete Barrier Temporary Precast Installed	LF	459,241.000	459,241.000
0202	604.0500	Slope Paving Crushed Aggregate	SY	3,696.000	3,696.000
0204	606.0100	Riprap Light	CY	40.000	40.000
0206	606.0300	Riprap Heavy	CY	300.000	300.000
0208	611.0642	Inlet Covers Type MS	EACH	24.000	24.000
0210	611.3901	Inlets Median 1 Grate	EACH	2.000	2.000
0212	611.3902	Inlets Median 2 Grate	EACH	11.000	11.000
0214	612.0106	Pipe Underdrain 6-Inch	LF	6,600.000	6,600.000
0216	612.0206	Pipe Underdrain Unperforated 6-Inch	LF	2,000.000	2,000.000

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Line	Item	Item Description	Unit	Total	Qty
0218	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	1,400.000	1,400.000
0220	613.1100.S	Cable Barrier Type 1	LF	33,753.000	33,753.000
0222	613.1200.S	Cable Barrier End Terminal Type 1	EACH	18.000	18.000
0224	614.0150	Anchor Assemblies for Steel Plate Beam Guard	EACH	24.000	24.000
0226	614.0220	Steel Thrie Beam Bullnose Terminal	EACH	4.000	4.000
0228	614.0230	Steel Thrie Beam	LF	300.000	300.000
0230	614.0905	Crash Cushions Temporary	EACH	62.000	62.000
0232	614.0920	Salvaged Rail	LF	29,858.000	29,858.000
0234	614.0925	Salvaged Guardrail End Treatments	EACH	42.000	42.000
0236	614.2300	MGS Guardrail 3	LF	33,737.500	33,737.500
0238	614.2500	MGS Thrie Beam Transition	LF	788.000	788.000
0240	614.2610	MGS Guardrail Terminal EAT	EACH	37.000	37.000
0242	614.2620	MGS Guardrail Terminal Type 2	EACH	27.000	27.000
0244	616.0100	Fence Woven Wire (height) 01. 4-FT	LF	87,854.000	87,854.000
0246	616.0600.S	Fence Temporary	LF	5,000.000	5,000.000
0248	618.0100	Maintenance And Repair of Haul Roads (project) 01. 1022-07-76	EACH	1.000	1.000
0250	619.1000	Mobilization	EACH	1.000	1.000
0252	624.0100	Water	MGAL	7,900.000	7,900.000
0254	625.0500	Salvaged Topsoil	SY	675,600.000	675,600.000
0256	627.0200	Mulching	SY	709,100.000	709,100.000
0258	628.1504	Silt Fence	LF	30,500.000	30,500.000
0260	628.1520	Silt Fence Maintenance	LF	30,500.000	30,500.000
0262	628.1905	Mobilizations Erosion Control	EACH	30.000	30.000
0264	628.1910	Mobilizations Emergency Erosion Control	EACH	30.000	30.000
0266	628.2004	Erosion Mat Class I Type B	SY	99,550.000	99,550.000
0268	628.2023	Erosion Mat Class II Type B	SY	44,600.000	44,600.000
0270	628.2039	Erosion Mat Class III Type D	SY	22,000.000	22,000.000
0272	628.6510	Soil Stabilizer Type B	ACRE	20.000	20.000
0274	628.7005	Inlet Protection Type A	EACH	135.000	135.000
0276	628.7504	Temporary Ditch Checks	LF	5,400.000	5,400.000
0278	628.7555	Culvert Pipe Checks	EACH	300.000	300.000
0280	628.7560	Tracking Pads	EACH	10.000	10.000
0282	628.7570	Rock Bags	EACH	50.000	50.000
0284	629.0210	Fertilizer Type B	CWT	660.000	660.000
0286	630.0110	Seeding Mixture No. 10	LB	50.000	50.000
0288	630.0130	Seeding Mixture No. 30	LB	14,900.000	14,900.000
0290	630.0200	Seeding Temporary	LB	28,350.000	28,350.000
0292	633.0100	Delineator Posts Steel	EACH	398.000	398.000
0294	633.0500	Delineator Reflectors	EACH	517.000	517.000

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Line	Item	Item Description	Unit	Total	Qty
0296	633.1100	Delineators Temporary	EACH	969.000	969.000
0298	633.5200	Markers Culvert End	EACH	122.000	122.000
0300	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	13.000	13.000
0302	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	54.000	54.000
0304	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	9.000	9.000
0306	634.0620	Posts Wood 4x6-Inch X 20-FT	EACH	10.000	10.000
0308	635.0200	Sign Supports Structural Steel HS	LB	4,525.000	4,525.000
0310	635.0300	Sign Supports Replacing Base Connection Bolts	EACH	5.000	5.000
0312	636.0100	Sign Supports Concrete Masonry	CY	24.200	24.200
0314	636.0500	Sign Supports Steel Reinforcement	LB	504.000	504.000
0316	636.1500	Sign Supports Steel Coated Reinforcement HS	LB	1,980.000	1,980.000
0318	637.1220	Signs Type I Reflective SH	SF	1,691.000	1,691.000
0320	637.2210	Signs Type II Reflective H	SF	879.400	879.400
0322	638.2601	Removing Signs Type I	EACH	10.000	10.000
0324	638.2602	Removing Signs Type II	EACH	103.000	103.000
0326	638.3000	Removing Small Sign Supports	EACH	98.000	98.000
0328	638.3100	Removing Structural Steel Sign Supports	EACH	5.000	5.000
0330	641.1200	Sign Bridge Cantilevered (structure) 01. S-17-13	LS	1.000	1.000
0332	641.1200	Sign Bridge Cantilevered (structure) 02. S-55-72	LS	1.000	1.000
0334	642.5201	Field Office Type C	EACH	1.000	1.000
0336	643.0300	Traffic Control Drums	DAY	220,933.000	220,933.000
0338	643.0310.S	Temporary Portable Rumble Strips	LS	1.000	1.000
0340	643.0420	Traffic Control Barricades Type III	DAY	17,590.000	17,590.000
0342	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	118.000	118.000
0344	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	118.000	118.000
0346	643.0705	Traffic Control Warning Lights Type A	DAY	27,874.000	27,874.000
0348	643.0715	Traffic Control Warning Lights Type C	DAY	10,177.000	10,177.000
0350	643.0800	Traffic Control Arrow Boards	DAY	800.000	800.000
0352	643.0900	Traffic Control Signs	DAY	55,427.000	55,427.000
0354	643.0910	Traffic Control Covering Signs Type I	EACH	2.000	2.000
0356	643.1000	Traffic Control Signs Fixed Message	SF	248.000	248.000
0358	643.1051	Traffic Control Signs PCMS with Cellular Communications	DAY	3,856.000	3,856.000
0360	643.4100.S	Traffic Control Interim Lane Closure	EACH	400.000	400.000
0362	643.5000	Traffic Control	EACH	1.000	1.000
0364	645.0111	Geotextile Type DF Schedule A	SY	788.000	788.000
0366	645.0112	Geotextile Type DF Schedule B	SY	7,500.000	7,500.000
0368	645.0120	Geotextile Type HR	SY	750.000	750.000
0370	645.0130	Geotextile Type R	SY	150.000	150.000
0372	645.0220	Geogrid Type SR	SY	13,000.000	13,000.000

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Line	Item	Item Description	Unit	Total	Qty
0374	646.1020	Marking Line Epoxy 4-Inch	LF	3,404.000	3,404.000
0376	646.1040	Marking Line Grooved Wet Ref Epoxy 4-Inch	LF	220,435.000	220,435.000
0378	646.1545	Marking Line Grooved Wet Ref Contrast Epoxy 4-Inch	LF	26,488.000	26,488.000
0380	646.3020	Marking Line Epoxy 8-Inch	LF	132.000	132.000
0382	646.3545	Marking Line Grooved Wet Ref Contrast Epoxy 8-Inch	LF	7,950.000	7,950.000
0384	646.5420	Marking Aerial Enforcement Bar Epoxy	EACH	240.000	240.000
0386	646.6120	Marking Stop Line Epoxy 18-Inch	LF	114.000	114.000
0388	646.6464	Cold Weather Marking Epoxy 4-Inch	LF	246,923.000	246,923.000
0390	646.6468	Cold Weather Marking Epoxy 8-Inch	LF	7,950.000	7,950.000
0392	646.7220	Marking Chevron Epoxy 24-Inch	LF	720.000	720.000
0394	646.9000	Marking Removal Line 4-Inch	LF	107,548.000	107,548.000
0396	646.9100	Marking Removal Line 8-Inch	LF	3,590.000	3,590.000
0398	649.0105	Temporary Marking Line Paint 4-Inch	LF	649,873.000	649,873.000
0400	649.0120	Temporary Marking Line Epoxy 4-Inch	LF	165,725.000	165,725.000
0402	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	10,744.000	10,744.000
0404	649.0205	Temporary Marking Line Paint 8-Inch	LF	3,747.000	3,747.000
0406	649.0220	Temporary Marking Line Epoxy 8-Inch	LF	7,442.000	7,442.000
0408	649.0250	Temporary Marking Line Removable Tape 8-Inch	LF	1,240.000	1,240.000
0410	649.0760	Temporary Marking Raised Pavement Marker Type I	EACH	534.000	534.000
0412	650.4500	Construction Staking Subgrade	LF	178,633.000	178,633.000
0414	650.5000	Construction Staking Base	LF	89,739.000	89,739.000
0416	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	936.000	936.000
0418	650.6500	Construction Staking Structure Layout (structure) 01. B-55-247	LS	1.000	1.000
0420	650.6500	Construction Staking Structure Layout (structure) 02. B-55-248	LS	1.000	1.000
0422	650.6500	Construction Staking Structure Layout (structure) 03. B-55-245	LS	1.000	1.000
0424	650.6500	Construction Staking Structure Layout (structure) 04. B-55-246	LS	1.000	1.000
0426	650.6500	Construction Staking Structure Layout (structure) 05. B-17-215	LS	1.000	1.000
0428	650.6500	Construction Staking Structure Layout (structure) 06. B-17-214	LS	1.000	1.000
0430	650.7000	Construction Staking Concrete Pavement	LF	88,894.000	88,894.000
0432	650.7500	Construction Staking Concrete Barrier	LF	125.000	125.000
0434	650.9910	Construction Staking Supplemental Control (project) 01. 1022-07-76	LS	1.000	1.000
0436	650.9920	Construction Staking Slope Stakes	LF	178,633.000	178,633.000
0438	652.0125	Conduit Rigid Metallic 2-Inch	LF	30.000	30.000
0440	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	450.000	450.000

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Line	Item	Item Description	Unit	Total	Qty
0442	652.0700.S	Install Conduit into Existing Item	EACH	1.000	1.000
0444	653.0140	Pull Boxes Steel 24x42-Inch	EACH	2.000	2.000
0446	653.0905	Removing Pull Boxes	EACH	2.000	2.000
0448	654.1150	Concrete Bases Camera Pole 50-FT	EACH	1.000	1.000
0450	655.0525	Electrical Wire Traffic Signals 6 AWG	LF	1,020.000	1,020.000
0452	656.0200	Electrical Service Meter Breaker Pedestal (location) 01. MB576	LS	1.000	1.000
0454	656.0500	Electrical Service Breaker Disconnect Box (location) 01. CCTV-17-0027	LS	1.000	1.000
0456	670.0100	Field System Integrator	LS	1.000	1.000
0458	670.0200	ITS Documentation	LS	1.000	1.000
0460	673.0225.S	Install Pole Mounted Cabinet	EACH	1.000	1.000
0462	674.0300	Remove Cable	LF	140.000	140.000
0464	674.0400	Reinstall Cable	LF	80.000	80.000
0466	677.0150	Install Camera Pole 50-FT	EACH	1.000	1.000
0468	677.0200	Install Camera Assembly	EACH	1.000	1.000
0470	677.9050.S	Salvage 50-FT Camera Pole with Lowering System	EACH	1.000	1.000
0472	677.9200.S	Removing CCTV Camera	EACH	1.000	1.000
0474	678.0400	Fiber Optic Termination	EACH	6.000	6.000
0476	678.0600	Install Ethernet Switches	EACH	1.000	1.000
0478	690.0150	Sawing Asphalt	LF	127,057.000	127,057.000
0480	690.0250	Sawing Concrete	LF	27,410.000	27,410.000
0482	715.0415	Incentive Strength Concrete Pavement	DOL	78,633.000	78,633.000
0484	715.0502	Incentive Strength Concrete Structures	DOL	33,066.000	33,066.000
0486	715.0710	Optimized Aggregate Gradation Incentive	DOL	206,410.000	206,410.000
0488	740.0440	Incentive IRI Ride	DOL	64,270.000	64,270.000
0490	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,100.000	2,100.000
0492	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	2,400.000	2,400.000
0494	SPV.0035	Special 01. Excavation Rock Special	CY	3,345.000	3,345.000
0496	SPV.0060	Special 01. Manholes Special 4-FT Diameter Temporary	EACH	39.000	39.000
0498	SPV.0060	Special 02. Reconstructing Median Inlets Special	EACH	38.000	38.000
0500	SPV.0060	Special 03. Temporary Inlets Median 1 Grate	EACH	9.000	9.000
0502	SPV.0060	Special 04. Relocating Hybrid DMS Assembly	EACH	1.000	1.000
0504	SPV.0090	Special 01. Construction Staking Finished Median	LF	50,221.000	50,221.000
0506	SPV.0090	Special 02. Traffic Channelizing Curb System	LF	900.000	900.000
0508	SPV.0105	Special 01. Project Concrete Crack Mitigation and Repair Special	LS	1.000	1.000
0510	SPV.0105	Special 02. Grad Shap and Finish Temp Outside Widen, Sta 200+00 to Sta 216+80 WB IH 94	LS	1.000	1.000
0512	SPV.0105	Special 03. Construction Staking Drainage Structures (project) 1022-07-76	LS	1.000	1.000

CLEARING AND GRUBBING

CATEGORY	STATION	TO	STATION	LOCATION	CLEARING 201.0105 STA	GRUBBING 201.0205 STA	REMARKS
0010	379+00	-	381+00	EB 94, RT	2	2	
0010	386+00	-	388+00	EB 94, RT	2	2	
0010	538+00	-	539+00	EB 94, RT	1	1	
0010	572+00	-	575+00	EB 94, RT	3	3	
0010	578+00	-	580+00	EB 94, RT	2	2	
0010	586+00	-	592+00	EB 94, RT	6	6	
0010	595+00	-	599+00	EB 94, RT	4	4	
0010	601+00	-	602+00	EB 94, RT	1	1	
0010	611+00	-	619+00	EB 94, LT	8	8	
0010	626+00	-	628+00	EB 94, RT	2	2	
0010	307+00	-	317+00	WB 94, LT	10	10	
0010	325+00	-	327+00	WB 94, LT	2	2	
0010	395+00	-	397+00	WB 94, LT	2	2	
0010	460+00	-	465+00	WB 94, LT	5	5	
0010	552+00	-	554+00	WB 94, LT	2	2	
0010	556+00	-	558+00	WB 94, LT	2	2	
0010	561+00	-	563+00	WB 94, LT	2	2	
0010	570+00	-	572+00	WB 94, LT	2	2	
0010	590+00	-	599+00	WB 94, RT	9	9	
0010	602+00	-	622+00	WB 94, RT	20	20	
0010	631+00	-	632+00	WB 94, RT	1	1	
				TOTAL 0010	88	88	

REMOVING SMALL PIPE CULVERTS

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	203.0100 EACH	REMARKS
0010	3	265+01			WB IH 94	1	24" X 72' CMCP
0010	3	404+05			WB IH 94	1	18" X 110' CMCP
0010	3	426+66			WB IH 94	1	30" X 105' CMCP
0010	3	460+01			WB IH 94	1	18" X 105' CMCP
0010	3	467+95			WB IH 94	1	18" X 83' CMCP
0010	3	560+73			WB IH 94	1	18" X 84' CMCP
0010	3	571+34			WB IH 94	1	18" X 87' CMCP
0010	3	481+86			NW RAMP Q INTCHG	1	24" X 66' CMCP
0010	3	484+09			NE RAMP Q INTCHG	1	24" X 68' CMCP
0010	3/5	392+18	-	392+34	EB/WB IH 94	1	30" X 238' CMCP
0010	5	265+01			EB IH 94	1	24" X 74' CMCP
0010	5	296+98			EB IH 94	1	18" X 105' CMCP
0010	5	426+66			EB IH 94	1	24" X 68' RCCP
0010	5	437+00			EB IH 94	1	18" X 80' CMCP
0010	5	451+53			EB IH 94	1	18" X 98' CMCP
0010	5	476+02			EB IH 94	1	18" X 82' CMCP
0010	5	485+03			SE RAMP Q INTCHG	1	24" X 62' CMCP
0010	6	265+01	-	265+91	IH 94 MEDIAN	1	18" X 90' CMCP
0010	7	583+01			WB IH 94	1	30" X 88' RCCP
					TOTAL 0010	19	

REMOVING PAVEMENT

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	204.0100 SY	REMARKS
0010	3	254+50	-	274+10	WB IH 94	5230	24' WIDE
0010	3	274+10	-	281+00	WB IH 94	2610	24' PLUS RAMP C & TAPER
0010	3	281+00	-	316+77	WB IH 94	9545	24' WIDE
0010	3	317+81	-	3945+59	WB IH 94	19715	24' WIDE
0010	3	392+63	-	463+40	WB IH 94	18875	24' WIDE
0010	3	463+40	-	473+40	WB IH 94	4110	24' PLUS NW RAMP & TAPER
0010	3	473+40	-	483+35	WB IH 94	2635	24' WIDE
0010	3	484+40	-	492+80	WB IH 94	2245	24' WIDE
0010	3	492+80	-	499+75	WB IH 94	2620	24' PLUS NE RAMP & TAPER
0010	3	499+75	-	566+60	WB IH 94	17825	24' WIDE
0010	5	254+50	-	275+00	EB IH 94	8430	37' WIDE
0010	5	275+00	-	285+50	EB IH 94	5435	37' PLUS RAMP D & TAPER
0010	5	285+50	-	316+77	EB IH 94	12865	37' WIDE
0010	5	317+81	-	391+41	EB IH 94	30200	37' WIDE
0010	5	392+46	-	465+00	EB IH 94	29695	37' WIDE
0010	5	465+00	-	472+00	EB IH 94	3450	37' PLUS SW RAMP & TAPER
0010	5	472+00	-	483+41	EB IH 94	4735	37' WIDE
0010	5	484+45	-	495+00	EB IH 94	4330	37' WIDE
0010	5	495+00	-	505+75	EB IH 94	5630	37' PLUS SE RAMP & TAPER
0010	5	505+75	-	566+60	EB IH 94	25045	37' WIDE
0010	7	566+60	-	685+00	WB IH 94	31530	24' WIDE
0010	8	566+60	-	685+00	EB IH 94	47875	37' WIDE
					TOTAL 0010	294630	

REMOVING ASPHALTIC SURFACE

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	204.0110 SY	REMARKS
0010	3	306+00	-	316+76	XWB 94, RT	720	6' MEDIAN SHLD
0010	3	306+00	-	316+76	XWB 94, LT	1200	10' MEDIAN SHLD
0010	3	317+82	-	339+00	XWB 94, RT	1415	6' MEDIAN SHLD
0010	3	317+82	-	339+00	XWB 94, LT	2355	10' MEDIAN SHLD
0010	3	376+00	-	391+59	XWB 94, RT	1040	6' MEDIAN SHLD
0010	3	376+00	-	391+63	XWB 94, LT	1740	10' MEDIAN SHLD
0010	3	395+63	-	410+00	XWB 94, RT	1160	6' MEDIAN SHLD
0010	3	392+68	-	410+00	XWB 94, LT	1930	10' MEDIAN SHLD
0010	5	306+00	-	316+76	XEB 94, LT	360	3' MEDIAN SHLD WIDENING
0010	5	317+82	-	344+00	XEB 94, LT	875	3' MEDIAN SHLD WIDENING
0010	5	377+00	-	391+42	XEB 94, LT	480	3' MEDIAN SHLD WIDENING
0010	5	392+46	-	410+00	XEB 94, LT	585	3' MEDIAN SHLD WIDENING
0010	6C	208+00	-	316+50	WB IH 94, RT	2410	2' MEDIAN SHLD WIDENING
0010	6C	318+08	-	391+28	WB IH 94, RT	1630	2' MEDIAN SHLD WIDENING
0010	6C	392+93	-	482+90	WB IH 94, RT	2000	2' MEDIAN SHLD WIDENING
0010	6C	484+86	-	563+40	WB IH 94, RT	1745	2' MEDIAN SHLD WIDENING
0010	9B	563+40	-	695+16	WB IH 94, RT	12325	TEMP MEDIAN WIDENING
					TOTAL 0010	33970	

REMOVING ASPHALTIC SURFACE BUTT JOINTS

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	204.0115 SY	REMARKS
0010	3	254+15	-	254+50	WB IH 94	148	WB MAINLINE
0010	3	269+86	-	270+21	RAMP C	89	RAMP C
0010	3	566+60	-	566+95	WB IH 94	148	WB MAINLINE
0010	5	254+15	-	254+50	EB IH 94	148	EB MAINLINE
0010	5	267+52	-	267+87	RAMP D	89	RAMP D
0010	5	566+60	-	566+95	EB IH 94	148	EB MAINLINE
					TOTAL 0010	770	

REMOVING ASPHALTIC SURFACE MILLING

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	204.0120 SY	REMARKS
0010	2A	207+22	-	243+00	XEB 94,RT	3980	10' OUTSIDE SHLD
0010	2A	274+01	-	289+76	XEB 94,RT	1380	5'-10' OUTSIDE SHLD
0010	2A	397+78	-	452+56	XEB 94,RT	6040	10' OUTSIDE SHLD
0010	2A	504+30	-	572+61	XEB 94,RT	7600	10' OUTSIDE SHLD
0010	2A	216+80	-	240+03	XWB 94, LT	2580	10' OUTSIDE SHLD
0010	2A	240+03	-	252+25	XWB 94, LT	720	10'-5' OUTSIDE SHLD
0010	2A	251+78	-	254+50	XWB 94, LT	305	GORE & 10' OUTSIDE SHLD
0010	2A	566+60	-	572+65	XWB 94, LT	675	10' OUTSIDE SHLD
0010	7A	572+61	-	660+00	XEB 94, RT	9480	10' OUTSIDE SHLD
0010	7A	572+64	-	666+00	XWB 94, LT	10365	10' OUTSIDE SHLD
					TOTAL 0010	43125	

REMOVING CURB

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	204.0130 LF	REMARKS
0010	3	483+62	-	483+74	NE RAMP, LT	40	EXISTING ISLAND
0010	5	484+18	-	484+30	SW RAMP, RT	36	EXISTING ISLAND
					TOTAL 0010	76	

REMOVING GUARDRAIL

CATEGORY	STATION	LOCATION	204.0165 LF	REMARKS
0010	316+76	EB IH 94, LT	78	MEDIAN
0010	317+82	EB IH 94, LT	78	MEDIAN
0010	391+50	EB IH 94, LT	78	MEDIAN
0010	392+55	EB IH 94, LT	78	MEDIAN
0010	483+38	EB IH 94, LT	28	MEDIAN
0010	484+42	EB IH 94, LT	28	MEDIAN
		TOTAL 0010	368	

REMOVING FENCE

CATEGORY	STATION	TO	STATION	LOCATION	204.0170 LF	REMARKS
0010	264+96	-	316+83	WB IH 94, LT	5317	STH 128 TO B-55-23
0010	317+73	-	391+73	WB IH 94, LT	7572	B-55-23 TO B-55-20
0010	392+61	-	482+57	WB IH 94, LT	9028	B-55-20 TO CTH Q
0010	484+37	-	576+43	WB IH 94, LT	9267	CTH Q TO B-17-20
0010	576+73	-	698+54	WB IH 94, LT	12570	B-17-20 TO B-17-218
0010	265+11	-	316+83	EB IH 94, RT	5302	STH 128 TO B-55-22
0010	317+74	-	391+42	EB IH 94, RT	7500	B-55-22 TO B-55-19
0010	392+31	-	483+65	EB IH 94, RT	9325	B-55-19 TO CTH Q
0010	485+33	-	576+07	EB IH 94, RT	9450	CTH Q TO B-17-20
0010	576+37	-	698+36	EB IH 94, RT	12340	B-17-20 TO B-17-217
				TOTAL 0010	87671	

REMOVING DELINEATORS AND MARKERS

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	204.0180 EACH	REMARKS
0010	3	254+50	-	685+00	XWB 94. LT	165	DELINEATORS
0010	5	254+50	-	685+00	XEB 94, RT	175	DELINEATORS
					TOTAL 0010	340	

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REMOVING SURFACE DRAINS

CATEGORY	STAGE	STATION	LOCATION	204.0190 EACH	REMARKS
0010	3	317+90	WB IH 94, RT	1	B-55-23
0010	3	317+90	WB IH 94, LT	1	B-55-23
0010	3	391+50	WB IH 94, RT	1	B-55-20
0010	3	391+57	WB IH 94, LT	1	B-55-20
0010	3	483+26	WB IH 94, LT	1	B-17-19
0010	3	483+30	WB IH 94, RT	1	B-17-19
0010	5	317+87	EB IH 94, RT	1	B-55-22
0010	5	317+91	EB IH 94, LT	1	B-55-22
0010	5	391+27	EB IH 94, RT	1	B-55-19
0010	5	391+33	EB IH 94, LT	1	B-55-19
0010	5	483+31	EB IH 94, LT	1	B-17-18
0010	5	483+35	EB IH 94, RT	1	B-17-18
TOTAL 0010				12	

REMOVING INLETS

CATEGORY	STAGE	STATION	LOCATION	204.0220 EACH	REMARKS
0010	6	265+01	EB IH 94	1	27.7' LT
0010	6	265+91	EB IH 94	1	30.0' LT
0010	6	296+99	EB IH 94	1	38.2' LT
0010	6	404+05	WB IH 94	1	45.9' RT
0010	6	426+67	EB IH 94	1	24.0' LT
0010	6	437+00	EB IH 94	1	24.5' LT
0010	6	451+53	EB IH 94	1	24.3' LT
0010	6	460+01	WB IH 94	1	29.2' RT
0010	6	467+95	WB IH 94	1	27.5' RT
0010	6	476+02	EB IH 94	1	35.4' LT
0010	9	560+73	WB IH 94	1	25.4' RT
0010	9	571+34	WB IH 94	1	23.9' RT
TOTAL 0010				12	

REMOVING ENDWALLS

CATEGORY	STAGE	STATION	LOCATION	204.9060.S.01 REMOVING APRON ENDWALLS (EACH)	204.9060.S.02 REMOVING MORTAR RUBBLE ENDWALLS (EACH)	REMARKS
0010	1	245+36'EB'	71' RT	1	-	30-IN. RCCP
		481+51'EB'	117' RT	-	1	36-IN. CMCP
0010	3	313+98'WB'	97' LT	1	-	36-IN. CMCP
		519+55'WB'	100' LT	-	1	36-IN. CMCP
		552+94'WB'	81' LT	1	-	30-IN. RCCP
0010	5	286+64'EB'	78' RT	1	-	30-IN. RCCP
		426+66'EB'	43' RT	-	1	24-IN. CMCP
		542+02'EB'	59' RT	1	-	24-IN. RCCP
0010	7F	607+20'EB'	28' LT	1	-	24-IN. RCCP
		623+22'EB'	56' LT	-	1	72-IN. PLATE
0010	7J-M	604+27'WB'	102' RT	1	-	30-IN. CMCP
		611+79'EB'	136' RT	1	-	36-IN. CMCP
		616+05'EB'	123' RT	1	-	36-IN. CMCP
		620+63'EB'	57' RT	-	1	30-IN. CMCP
0010	8E-H	623+75'EB'	72' RT	-	1	72-IN. PLATE
		665+75'EB'	93' RT	-	1	48-IN. CMCP
TOTAL 0010				9	7	

EARTHWORK SUMMARY TABLE

CAT 0010 STAGE	STATION	TO	STATION	ALIGNMENT	205.0100 EXCAVATION COMMON (CY)	(1) ASPHALTIC PAVEMENT (CY)	(2) CONCRETE PAVEMENT (CY)	(3) USEABLE MATERIAL (CY)	EXPANDED FILL FACTOR= 1.3300 (CY)	208.0100 BORROW (CY)	(4) 208.1100 SELECT BORROW (SY)	(5) SUITABLE WASTE (CY)	(6) UNSUITABLE WASTE (CY)	(7) EBS (CY)
1	243+00	-	248+41	IH 94 EB EXISTING	174	0	0	174	403	229	0		0	0
	254+54	-	264+00	IH 94 EB EXISTING	910	176	0	734	421	-313	0		0	0
	264+55	-	272+54	IH 94 EB EXISTING	868	158	0	710	267	-443	0		0	0
	452+00	-	483+40	IH 94 EB EXISTING	4531	633	0	3898	26333	22435	0		0	0
	484+57	-	506+00	IH 94 EB EXISTING	2298	411	0	1887	6702	4815	0		0	0
	265+00	-	269+75	SW RAMP TSW3	688	28	0	660	567	-93	0		0	0
	479+00	-	483+33	SW RAMP REF LINE	130	0	0	130	143	13	0		0	0
	285+00	-	290+27	SE RAMP TSE3	508	52	0	456	65	-391	0		0	0
				STAGE 1 SUBTOTALS	**10107**	**1457**	**0**	**8650**	**34901**	**26251**	**0**	**0**	**0**	**0**
2	222+00	-	264+00	IH 94 EB EXISTING	4058	338	0	3720	1899	-1821	0		3160	3160
	264+75	-	291+77	IH 94 EB EXISTING	2075	283	0	1792	2204	412	0		2370	2370
	86+73	-	111+50	WEST-STAGE-3-WB-CENTERLINE	973	82	0	891	16787	15896	0		1850	1850
	113+00	-	186+50	WEST-STAGE-3-WB-CENTERLINE	1620	0	0	1620	65575	63955	0		5790	5790
	188+00	-	198+00	WEST-STAGE-3-WB-CENTERLINE	264	20	0	244	12889	12645	0		780	780
	403+00	-	483+00	IH 94 EB EXISTING	4437	600	0	3837	13722	9885	0		6320	6320
	484+50	-	563+00	IH 94 EB EXISTING	5247	507	0	4740	10817	6077	0		6055	6055
	63+33	-	67+21	RAMP 128 C TEMPORARY 3A	209	23	0	186	394	208	0		0	0
	84+79	-	91+84	RAMP 128 C TEMPORARY 3A	275	0	0	275	299	24	0		0	0
	248+14	-	253+06	NW RAMP TNW3	134	13	0	122	488	367	0		0	0
	291+02	-	294+45	NE RAMP TNE3	70	7	0	63	337	274	0		0	0
	5+10	-	17+01	WEST-STAGE-3-WB-CENTERLINE	1985	153	0	1832	105	-1727	0		0	0
	357+99	-	370+90	WEST-STAGE-3-WB-CENTERLINE	8552	39	0	8513	727	-7786	0		0	0
				STAGE 2 SUBTOTALS	**29899**	**2065**	**0**	**27834**	**126243**	**98409**	**0**	**0**	**26325**	**26325**
3	256+50	-	316+50	IH 94 WB REF LINE	15629	1869	7598	6162	23609	17447	5800		0	0
	318+08	-	391+35	IH 94 WB REF LINE	13418	1924	9174	2320	2446	126	20050		0	0
	392+93	-	482+92	IH 94 WB REF LINE	28754	2215	11528	15011	16706	1695	9350		0	0
	484+80	-	569+25	IH 94 WB REF LINE	19525	1821	11096	6608	8954	2346	0		0	0
	268+50	-	275+45	RAMP 128 C	1385	229	332	825	5	-820	0		0	0
	473+47	-	483+00	NW RAMP REF LINE	1645	499	226	920	318	-602	0		0	0
	484+00	-	498+50	NE RAMP REF LINE	11214	452	78	10684	2043	-8641	0		0	0
	12+00	-	16+21	CTH Q	3696	340	0	3356	24	-3332	0		0	0
				STAGE 3 SUBTOTALS	**95266**	**9349**	**40032**	**45885**	**54105**	**8220**	**35200**	**0**	**0**	**0**
4	5+12	-	15+35	WEST-STAGE-5-EB-CENTERLINE	2289	495	0	1794	174	-1620	0		655	655
	220+34	-	256+50	IH 94 WB EXISTING	3041	1208	0	1833	2879	1046	0		2355	2355
	256+50	-	294+47	IH 94 WB REF LINE	2854	1236	0	1618	3468	1850	0		2465	2465
	89+45	-	102+92	WEST-STAGE-5-EB-CENTERLINE	3785	822	0	2963	457	-2506	0		830	830
	190+00	-	216+00	WEST-STAGE-5-EB-CENTERLINE	7229	1316	0	5913	3651	-2262	0		1655	1655
	421+14	-	482+98	IH 94 WB REF LINE	7019	1674	0	5345	3571	-1774	0		3890	3890
	484+80	-	563+55	IH 94 WB REF LINE	9167	2790	0	6377	5555	-822	0		6000	6000
	358+30	-	370+77	WEST-STAGE-5-EB-CENTERLINE	2397	556	0	1841	34	-1807	0		900	900
	21+62	-	28+77	RAMP 128 A TEMPORARY 5A	292	131	0	161	2	-159	0		0	0
	60+89	-	66+63	RAMP 128 D TEMPORARY 5A	89	0	0	89	1486	1397	0		0	0
	84+50	-	86+45	RAMP 128 D TEMPORARY 5A	317	128	0	189	0	-189	0		0	0
	252+89	-	256+00	SW RAMP TSW5	35	2	0	33	417	384	0		0	0
				STAGE 4 SUBTOTALS	**38514**	**10358**	**0**	**28156**	**21694**	**0**	**0**	**6462**	**18750**	**18750**

(CONTINUED ON NEXT SHEET)

EARTHWORK SUMMARY TABLE (CONT'D.)

CAT 0010					205.0100 EXCAVATION COMMON	(1) ASPHALTIC PAVEMENT	(2) CONCRETE PAVEMENT	(3) USEABLE MATERIAL	EXPANDED FILL FACTOR= 1.3300	208.0100 BORROW	(4) 208.1100 SELECT BORROW	(5) SUITABLE WASTE	(6) UNSUITABLE WASTE	(7) EBS
5	256+50	-	316+50	IH 94 EB REF LINE	19123	2011	7981	9131	16852	7721	5800		0	0	0
	318+08	-	391+19	IH 94 EB REF LINE	10772	1822	9230	-280	26547	26827	22150		0	0	0
	392+69	-	482+95	IH 94 EB REF LINE	32737	3845	11425	17467	9649	-7818	9550		0	0	0
	485+00	-	568+40	IH 94 EB REF LINE	38978	2891	10976	25111	1394	-23717	0		0	0	0
	266+11	-	274+94	RAMP 128 D	2698	159	547	1992	77	-1915	0		0	0	0
	87+46	-	90+58	RAMP 128 D TEMPORARY 5B	118	0	0	118	249	131	0		0	0	0
	470+45	-	483+75	SW RAMP REF LINE	4380	916	0	3464	884	-2580	0		0	0	0
	484+80	-	495+46	SE RAMP REF LINE	2946	622	217	2108	724	-1384	0		0	0	0
	8+00	-	12+00	CTH Q	3847	295	0	3552	20	-3532	0		0	0	0
				STAGE 5 SUBTOTALS	**115599**	**12560**	**40377**	**62662**	**56396**	**0**	**37500**	**6266**	**0**	**0**	**0**
6	210+10	-	316+48	IH 94 EB REF LINE	27941	5386	0	22555	8170	-14385	0		0	0	0
	318+08	-	391+18	IH 94 EB REF LINE	35999	4653	0	31346	28004	-3342	0		0	0	0
	393+00	-	482+75	IH 94 EB REF LINE	22964	3785	0	19179	7826	-11353	0		0	0	0
	453+94	-	465+25	IH 94 WB REF LINE	1284	223	0	1061	0	-1061	0		0	0	0
	476+22	-	482+85	IH 94 WB REF LINE	662	129	0	533	0	-533	0		0	0	0
	484+87	-	493+98	IH 94 WB REF LINE	637	104	0	533	276	-257	0		0	0	0
	498+38	-	502+12	IH 94 WB REF LINE	331	61	0	270	0	-270	0		0	0	0
	465+46	-	476+19	NW RAMP REF LINE	873	188	0	685	7	-678	0		0	0	0
	496+79	-	498+35	NE RAMP REF LINE	93	17	0	76	0	-76	0		0	0	0
	485+00	-	568+40	IH 94 EB REF LINE	17073	3223	0	13850	1982	-11868	0		0	0	0
				STAGE 6 SUBTOTALS	**107857**	**17769**	**0**	**90089**	**46265**	**0**	**0**	**43824**	**0**	**0**	**0**
7F	9+90	-	15+28	WEST-STAGE-7J-WB-CENTERLINE-PASSING	1364	29	0	1335	0	-1335	0		0	0	0
	568+77	-	576+10	IH 94 EB REF LINE	871	45	0	826	100	-726	0		0	0	0
	576+70	-	695+53	IH 94 EB REF LINE	5728	588	0	5140	45170	40030	0		0	0	0
	702+35	-	708+00	IH 94 EB REF LINE	220	68	0	152	67	-85	0		0	0	0
	153+05	-	167+20	WEST-STAGE-7J-WB-CENTERLINE-PASSING	311	0	0	311	2640	2329	0		0	0	0
				STAGE 7F SUBTOTALS	**8494**	**731**	**0**	**7763**	**47977**	**40214**	**0**	**0**	**0**	**0**	**0**
7J-M	563+40	-	695+04	IH 94 WB REF LINE *	43241	2986	14650	25605	52119	26514	0		0	0	0
				STAGE 7J-M SUBTOTALS	**43241**	**2986**	**14650**	**25605**	**52119**	**26514**	**0**	**0**	**0**	**0**	**0**
8A	4+05	-	13+11	WEST-STAGE-8E-EB-CENTERLINE-PASSING	931	121	0	810	27	-783	0		0	0	0
	8+76	-	14+27	WEST-STAGE-8E-EB-CENTERLINE-DRIVING	451	126	0	325	2	-323	0		0	0	0
	146+87	-	153+95	WEST-STAGE-8E-EB-CENTERLINE-DRIVING	595	120	0	475	15	-460	0		0	0	0
	149+64	-	162+25	WEST-STAGE-8E-EB-CENTERLINE-PASSING	1257	185	0	1072	2920	1848	0		0	0	0
				STAGE 8A SUBTOTALS	**3234**	**551**	**0**	**2683**	**2964**	**281**	**0**	**0**	**0**	**0**	**0**
8E-H	566+60	-	685+00	IH 94 EB REF LINE *	53204	5809	14255	33141	17438	-15703	0		0	0	0
				STAGE 8E-H SUBTOTALS	**53204**	**5809**	**14255**	**33141**	**17438**	**0**	**0**	**15703**	**0**	**0**	**0**
9B	557+55	-	566+60	IH 94 EB REF LINE	524	180	0	344	0	-344	0		0	0	0
	559+29	-	695+16	IH 94 WB REF LINE	13941	2314	0	11627	2112	-9515	0		0	0	0
	685+00	-	695+53	IH 94 EB REF LINE	1918	253	0	1665	8	-1657	0		0	0	0
	702+36	-	716+75	IH 94 EB REF LINE	2947	167	0	2780	246	-2534	0		0	0	0
	702+54	-	722+64	IH 94 WB REF LINE	3873	385	0	3488	104	-3384	0		0	0	0
				STAGE 9B SUBTOTALS	**23203**	**3300**	**0**	**19903**	**2470**	**0**	**0**	**17433**	**0**	**0**	**0**
				TOTALS FOR PAY	**528618**					**199890**	**72700**			**45075**	**59950**

* NOTE: FOR STAGES 7J-M AND 8E-H, EXCAVATION COMMON INCLUDES AN ESTIMATED QUANTITY FOR EXCAVATION ROCK SPECIAL. SEE ITEM SPV.0035.01.

1) ASPHALTIC PAVEMENT IS INCLUDED IN THE QUANTITY OF EXCAVATION COMMON. IT IS CONSIDRED SALVAGEABLE FOR OTHER PURPOSES AND IS NOT INCLUDED IN THE QUANTITY OF USEABLE MATERIAL.

2) CONCRETE PAVEMENT IS INCLUDED IN THE QUANTITY OF EXCAVATION COMMON. IT IS CONSIDRED SALVAGEABLE FOR OTHER PURPOSES AND IS NOT INCLUDED IN THE QUANTITY OF USEABLE MATERIAL.

3) USEABLE MATERIAL = EXCAVATION COMMON - EBS - SALVAGED ASPHALT - SALVAGED CONCRETE

4) TO CONSTRUCT RAISED PROFILES ON IH 94, USE SELECT BORROW FOR TOP 2 FEET OF FILL INBETWEEN PROPOSED SUBGRADE SHOULDER POINTS.

5) SUITABLE WASTE IS SURPLUS MATERIAL SUITABLE FOR USE AS FILL THAT IS BEYOND THE VOLUME NEEDED FOR THAT STAGE.

6) UNSUITABLE WASTE = EBS *NOTE: EXCAVATION OF MEDIAN SHOULDERS MAY PRODUCE ADDITIONAL UNSUITABLE MATERIAL TO BE WASTED AS DIRECTED BY THE ENGINEER.

7) EXCAVATION BELOW SUBRADE (EBS) IS APPROXIMATE AND IS NOT USED TO BALANCE EARTHWORK. QUANTITY IS INCLUDED AND PAID FOR IN THE ITEM OF EXCAVATION COMMON.

8) REPLACE EBS WITH SELECT BORROW.

TEMPORARY EMERGENCY PULLOUTS

CATEGORY	STAGE	STATION	-	STATION	LOCATION	205.3000.S (EACH)	* BASE AGGREGATE DENSE 1 1/4-INCH (TON)	* SALVAGED TOPSOIL (SY)	* FERTILIZER TYPE B (CWT)	* SEEDING MIX NO. 30 (EACH)	* MULCHING (LF)
0010	1	420+46'XEB'	-	423+78'XEB'	EB IH 94, RT	1	770	1060	0.8	23	1250
	1	521+23'XEB'	-	524+25'XEB'	EB IH 94, RT	1	770	1060	0.8	23	1250
	1	549+20'XEB'	-	552+18'XEB'	EB IH 94, RT	1	770	1060	0.8	23	1250
0010	2	118+00'WBS3'	-	121+00'WBS3'	MEDIAN RDWY, LT	1	370	--	--	--	--
	2	145+00'WBS3'	-	148+00'WBS3'	MEDIAN RDWY, LT	1	370	--	--	--	--
	2	169+00'WBS3'	-	172+00'WBS3'	MEDIAN RDWY, LT	1	370	--	--	--	--
	2	196+00'WBS3'	-	199+00'WBS3'	MEDIAN RDWY, LT	1	370	--	--	--	--
	2	221+75'WBS3'	-	224+75'WBS3'	MEDIAN RDWY, LT	1	370	--	--	--	--
	2	333+94'WBS3'	-	336+93'WBS3'	MEDIAN RDWY, LT	1	370	--	--	--	--
0010	3	436+92'WB'	-	439+31'WB'	WB IH 94, LT	1	370	--	--	--	--
	3	512+59'WB'	-	515+33'WB'	WB IH 94, LT	1	370	--	--	--	--
	3	539+08'WB'	-	541+83'WB'	WB IH 94, LT	1	370	--	--	--	--
0010	4	37+22'WBS5'	-	39+91'WBS5'	MEDIAN RDWY, RT	1	370	--	--	--	--
	4	79+76'WBS5'	-	82+40'WBS5'	MEDIAN RDWY, RT	1	370	--	--	--	--
	4	118+00'WBS5'	-	121+00'WBS5'	MEDIAN RDWY, RT	1	370	--	--	--	--
	4	145+00'WBS5'	-	148+00'WBS5'	MEDIAN RDWY, RT	1	370	--	--	--	--
	4	169+00'WBS5'	-	172+00'WBS5'	MEDIAN RDWY, RT	1	370	--	--	--	--
	4	196+00'WBS5'	-	199+00'WBS5'	MEDIAN RDWY, RT	1	370	--	--	--	--
	4	221+86'WBS5'	-	224+86'WBS5'	MEDIAN RDWY, RT	1	370	--	--	--	--
	4	259+35'WBS5'	-	262+35'WBS5'	MEDIAN RDWY, RT	1	370	--	--	--	--
	4	333+80'WBS5'	-	336+81'WBS5'	MEDIAN RDWY, RT	1	370	--	--	--	--
0010	5	420+62'EB'	-	423+70'EB'	EB IH 94, RT	1	370	--	--	--	--
	5	521+40'EB'	-	524+17'EB'	EB IH 94, RT	1	370	--	--	--	--
	5	549+38'EB'	-	552+10'EB'	EB IH 94, RT	1	370	--	--	--	--
0010	7A	573+03'XWB'	-	575+78'XWB'	WB IH 94, LT	1	770	1060	0.8	23	1250
	7A	598+83'XWB'	-	601+58'XWB'	WB IH 94, LT	1	770	1060	0.8	23	1250
	7A	602+67'XEB'	-	605+42'XEB'	EB IH 94, RT	1	770	1060	0.8	23	1250
	7A	624+33'XWB'	-	627+08'XWB'	WB IH 94, LT	1	770	1060	0.8	23	1250
	7A	630+43'XEB'	-	633+17'XEB'	EB IH 94, RT	1	770	1060	0.8	23	1250
	7A	645+33'XWB'	-	648+08'XWB'	WB IH 94, LT	1	770	1060	0.8	23	1250
	7A	655+42'XEB'	-	658+17'XEB'	EB IH 94, RT	1	770	1060	0.8	23	1250
	7A	673+02'XEB'	-	675+77'XEB'	EB IH 94, RT	1	770	1060	0.8	23	1250
	7A	672+58'XWB'	-	675+33'XWB'	WB IH 94, LT	1	770	1060	0.8	23	1250
0010	7F	29+00'WBS7P'	-	32+50'WBS7P'	MEDIAN RDWY, LT	1	370	--	--	--	--
	7F	60+50'WBS7P'	-	64+00'WBS7P'	MEDIAN RDWY, LT	1	370	--	--	--	--
	7F	82+50'WBS7P'	-	86+00'WBS7P'	MEDIAN RDWY, LT	1	370	--	--	--	--
	7F	107+25'WBS7P'	-	110+75'WBS7P'	MEDIAN RDWY, LT	1	370	--	--	--	--
	7F	133+00'WBS7P'	-	136+50'WBS7P'	MEDIAN RDWY, LT	1	370	--	--	--	--
0010	7J	589+12'WB'	-	592+27'WB'	MEDIAN RDWY, RT	1	370	--	--	--	--
	7J	624+75'WB'	-	627+91'WB'	MEDIAN RDWY, RT	1	370	--	--	--	--
	7J	645+75'WB'	-	648+92'WB'	MEDIAN RDWY, RT	1	370	--	--	--	--
	7J	672+17'WB'	-	675+33'WB'	MEDIAN RDWY, RT	1	370	--	--	--	--
					TOTAL 0010	42	20340	12720	9.6	276	15000

*ITEMS AND QUANTITIES FOR INFORMATION ONLY

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PREPARE FOUNDATION FOR ASPHALTIC PAVING (PROJECT) 1022-07-76

CATEGORY	STATION	TO	STATION	LOCATION	211.0100 LS	REMARKS
0010	2+25	-	5+25	310TH STREET	0.5	REPLACE EXISTING ASPHALT AS NECESSARY
0010	8+75	-	11+75	50TH AVENUE	0.5	REPLACE EXISTING ASPHALT AS NECESSARY
				TOTAL 0010	1	

PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	211.0400 STA	REMARKS
0010	2A	291+76	-	403+53	XEB 94, LT	110	WIDEN MEDIAN SHLD PAVT
0010	2A	216+00	-	455+75	XWB 94, RT	238	WIDEN MEDIAN SHLD PAVT
0010	2A	499+00	-	567+00	XWB 94, RT	68	WIDEN MEDIAN SHLD PAVT
					TOTAL 0010	416	

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BASE AGGREGATE DENSE 3/4-INCH

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	305.0110 TON	REMARKS
0010	1	243+00	-	249+52	XEB, RT	75	WIDEN OUTSIDE SHLD/RAMP
0010	1	251+32	-	273+05	XEB, RT	430	WIDEN OUTSIDE SHLD/GORE
0010	1	452+56	-	475+18	XEB, RT	270	WIDEN OUTSIDE SHLD/RAMP
0010	1	473+61	-	483+64	XEB, RT	165	WIDEN OUTSIDE SHLD/GORE
0010	1	484+30	-	493+00	XEB, RT	135	WIDEN OUTSIDE SHLD/GORE
0010	1	491+12	-	504+30	XEB, RT	155	WIDEN OUTSIDE SHLD/RAMP
0010	2A	203+80	-	216+80	XEB, LT	150	WIDEN OUTSIDE SHLD
0010	2G	208+42	-	220+30	XEB, LT	225	MEDIAN XOVER
0010	2G	220+30	-	288+86	XEB, LT	360	MEDIAN WIDENING
0010	2G	268+11	-	272+77	XEB, LT	70	TEMP WB OFF RAMP THRU GORE
0010	2G	272+79	-	288+13	XEB, LT	180	TEMP WB OFF RAMP XOVER
0010	2G	290+33	-	299+62	XEB, LT	110	TEMP WB OFF RAMP XOVER
0010	2G	291+77	-	316+98	XEB, LT	225	TEMP MEDIAN ROADWAY
0010	2G	317+62	-	391+76	XEB, LT	775	TEMP MEDIAN ROADWAY
0010	2G	392+40	-	403+53	XEB, LT	120	TEMP MEDIAN ROADWAY
0010	2G	403+53	-	445+06	XEB, LT	215	MEDIAN WIDENING
0010	2G	456+49	-	483+41	XEB, LT	145	MEDIAN WIDENING
0010	2G	445+06	-	457+95	XEB, LT	150	TEMP WB ON RAMP XOVER
0010	2G	496+08	-	504+30	XEB, LT	80	TEMP WB OFF RAMP XOVER
0010	2G	484+45	-	497+09	XEB, LT	70	MEDIAN WIDENING
0010	2G	504+30	-	563+44	XEB, LT	310	MEDIAN WIDENING
0010	2G	563+44	-	577+11	XEB, LT	255	MEDIAN XOVER
0010	3	254+50	-	272+45	WB 94, LT	735	OUTSIDE SHLD
0010	3	280+92	-	316+50	WB 94, LT	1640	OUTSIDE SHLD
0010	3	318+07	-	391+31	WB 94, LT	3015	OUTSIDE SHLD
0010	3	392+96	-	453+93	WB 94, LT	3010	OUTSIDE SHLD
0010	3	476+77	-	482+90	WB 94, LT	885	OUTSIDE SHLD
0010	3	484+86	-	494+10	WB 94, LT	1085	OUTSIDE SHLD
0010	3	502+12	-	566+60	WB 94, LT	3090	OUTSIDE SHLD
0010	3	270+21	-	272+48	RAMP C, LT	140	OUTSIDE SHLD
0010	3	272+45	-	280+92	WB 94, LT	560	OUTSIDE SHLD
0010	3	453+93	-	476+90	WB 94, LT	2040	OUTSIDE SHLD
0010	3	476+88	-	483+10	NW RAMP, LT	230	OUTSIDE SHLD
0010	3	484+00	-	493+72	NE RAMP, LT	315	OUTSIDE SHLD
0010	3	493+71	-	502+12	WB 94, LT	600	OUTSIDE SHLD
0010	3	254+50	-	316+50	WB 94, RT	2235	TEMP INSIDE SHLD
0010	3	318+07	-	391+31	WB 94, RT	2640	TEMP INSIDE SHLD
0010	3	392+96	-	482+90	WB 94, RT	3240	TEMP INSIDE SHLD
0010	3	484+86	-	566+60	WB 94, RT	2950	TEMP INSIDE SHLD
0010	3	270+21	-	272+48	RAMP C, RT	70	INSIDE SHLD
0010	3	476+88	-	483+35	NW RAMP, RT	110	INSIDE SHLD
0010	3	483+64	-	493+72	NE RAMP, RT	170	INSIDE SHLD
0010	4C	208+94	-	220+34	WB 94, RT	215	MEDIAN XOVER
0010	4C	230+00	-	289+75	WB 94, RT	315	MEDIAN WIDENING
0010	4C	299+35	-	307+94	WB 94, RT	70	TEMP MEDIAN ROADWAY
0010	4C	220+34	-	235+00	WB 94, RT	145	TEMP EB OFF RAMP XOVER
0010	4C	265+95	-	272+50	WB 94, RT	110	TEMP EB OFF RAMP THRU GORE
0010	4C	287+51	-	304+00	WB 94, RT	190	TEMP EB ON RAMP XOVER
0010	4C	395+01	-	412+72	WB 94, RT	185	TEMP MEDIAN ROADWAY
0010	4C	412+72	-	453+94	WB 94, RT	215	MEDIAN WIDENING
0010	4C	460+26	-	482+90	WB 94, RT	120	MEDIAN WIDENING
0010	4C	453+94	-	461+39	WB 94, RT	85	TEMP EB OFF RAMP XOVER
0010	4C	496+32	-	505+70	WB 94, RT	100	TEMP EB ON RAMP XOVER
0010	4C	484+86	-	496+98	WB 94, RT	65	MEDIAN WIDENING
0010	4C	505+70	-	563+54	WB 94, RT	300	MEDIAN WIDENING
0010	4C	563+54	-	576+00	WB 94, RT	230	MEDIAN XOVER

BASE AGGREGATE DENSE 3/4-INCH (CONT'D.)

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	305.0110 TON	REMARKS
0010	5	254+50	-	316+50	EB 94, LT	2615	TEMP INSIDE SHLD
0010	5	318+08	-	391+08	EB 94, LT	3080	TEMP INSIDE SHLD
0010	5	392+73	-	482+95	EB 94, LT	3800	TEMP INSIDE SHLD
0010	5	484+94	-	566+60	EB 94, LT	3450	TEMP INSIDE SHLD
0010	5	267+87	-	272+62	RAMP D, LT	150	INSIDE SHLD
0010	5	474+14	-	484+28	SW RAMP, LT	170	INSIDE SHLD
0010	5	484+52	-	492+50	SE RAMP, LT	135	INSIDE SHLD
0010	5	254+50	-	272+60	EB 94, RT	740	OUTSIDE SHLD
0010	5	286+40	-	316+50	EB 94, RT	1410	OUTSIDE SHLD
0010	5	318+08	-	391+08	EB 94, RT	2970	OUTSIDE SHLD
0010	5	392+73	-	458+92	EB 94, RT	3260	OUTSIDE SHLD
0010	5	473+94	-	482+98	EB 94, RT	560	OUTSIDE SHLD
0010	5	484+94	-	492+48	EB 94, RT	460	OUTSIDE SHLD
0010	5	507+00	-	566+60	EB 94, RT	2900	OUTSIDE SHLD
0010	5	267+87	-	272+62	RAMP D, RT	2900	OUTSIDE SHLD
0010	5	272+66	-	286+40	EB 94, RT	830	OUTSIDE SHLD
0010	5	458+92	-	473+88	EB 94, RT	660	OUTSIDE SHLD
0010	5	474+14	-	483+93	SW RAMP, RT	370	OUTSIDE SHLD
0010	5	484+79	-	492+50	SE RAMP, RT	290	OUTSIDE SHLD
0010	5	492+48	-	507+00	EB 94, RT	540	OUTSIDE SHLD
0010	6C	208+00	-	310+93	EB 94, LT	1625	MEDIAN SHLD
0010	6C	310+93	-	316+50	EB 94, LT	540	MEDIAN SHLD
0010	6C	318+08	-	323+61	EB 94, LT	545	MEDIAN SHLD
0010	6C	323+61	-	385+56	EB 94, LT	980	MEDIAN SHLD
0010	6C	385+56	-	391+11	EB 94, LT	535	MEDIAN SHLD
0010	6C	392+76	-	398+33	EB 94, LT	530	MEDIAN SHLD
0010	6C	398+33	-	478+95	EB 94, LT	1275	MEDIAN SHLD
0010	6C	478+95	-	482+96	EB 94, LT	250	MEDIAN SHLD
0010	6C	484+92	-	487+44	EB 94, LT	180	MEDIAN SHLD
0010	6C	487+44	-	557+52	EB 94, LT	1085	MEDIAN SHLD
0010	6C	208+00	-	310+97	WB 94, RT	2195	MEDIAN SHLD
0010	6C	310+97	-	316+50	WB 94, RT	525	MEDIAN SHLD
0010	6C	318+08	-	323+65	WB 94, RT	535	MEDIAN SHLD
0010	6C	323+65	-	385+72	WB 94, RT	1325	MEDIAN SHLD
0010	6C	385+72	-	391+29	WB 94, RT	530	MEDIAN SHLD
0010	6C	392+93	-	398+48	WB 94, RT	535	MEDIAN SHLD
0010	6C	398+48	-	480+38	WB 94, RT	1745	MEDIAN SHLD
0010	6C	480+38	-	482+90	WB 94, RT	160	MEDIAN SHLD
0010	6C	484+86	-	488+87	WB 94, RT	250	MEDIAN SHLD
0010	6C	488+87	-	557+40	WB 94, RT	1460	MEDIAN SHLD
0010	6C	236+08			EB 94, LT	15	MAINT XOVER
0010	6C	292+96			EB 94, LT	20	MAINT XOVER
0010	6C	427+12			EB 94, LT	15	MAINT XOVER
0010	6C	444+27			EB 94, LT	15	MAINT XOVER
0010	6C	516+57			EB 94, LT	15	MAINT XOVER
0010		8+00	-	16+21	COUNTY Q, LT	110	SHOULDER
0010		8+00	-	16+21	COUNTY Q, RT	115	SHOULDER
0010	7F	562+60	-	568+77	XEB, LT	150	MEDIAN XOVER
0010	7F	568+77	-	695+53	XEB, LT	1950	MEDIAN WIDENING
0010	7F	702+35	-	708+52	XEB, LT	100	MEDIAN WIDENING
0010	7F	708+52	-	724+19	XEB, LT	420	MEDIAN XOVER
0010	7J	563+40	-	566+60	WB 94, RT	60	MEDIAN WIDENING
0010	7J	566+60	-	685+00	WB 94, RT	7935	MEDIAN WIDENING
0010	7J	685+00	-	695+16	WB 94, RT	410	MEDIAN WIDENING
0010	7M	566+60	-	685+00	WB 94, LT	6390	OUTSIDE SHLD
0010	8A	557+52	-	567+20	WR 94, RT	175	MEDIAN XOVER
0010	8A	702+54	-	717+39	WR 94, RT	400	MEDIAN XOVER
0010	8E	566+60	-	685+00	EB 94, RT	5890	OUTSIDE SHLD
0010	8H	566+60	-	685+00	EB 94, LT	6990	MEDIAN XOVER
0010	9B	564+93			EB 94, LT	15	MAINT XOVER
0010	9B	712+00			EB 94, LT	20	MAINT XOVER
0010		UNDISTRIBUTED				6000	
					TOTAL 0010	121080	

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BASE AGGREGATE DENSE 1 1/4-INCH

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	305.0120 * TON	REMARKS
0010	1	243+00	-	249+52	XEB, RT	915	WIDEN OUTSIDE SHLD/RAMP
0010	1	251+32	-	273+05	XEB, RT	3560	WIDEN OUTSIDE SHLD/GORES
0010	1	452+56	-	475+18	XEB, RT	5325	WIDEN OUTSIDE SHLD/RAMP
0010	1	473+61	-	483+64	XEB, RT	3305	WIDEN OUTSIDE SHLD/GORES
0010	1	484+30	-	493+00	XEB, RT	2690	WIDEN OUTSIDE SHLD/GORES
0010	1	491+12	-	504+30	XEB, RT	1475	WIDEN OUTSIDE SHLD/RAMP
0010	2A	203+80	-	216+80	XWB, LT	1915	WIDEN OUTSIDE SHLD
0010	2G	208+42	-	220+30	XEB, LT	2625	MEDIAN XOVER
0010	2G	220+30	-	254+55	XEB, LT	7475	MEDIAN WIDENING
0010	2G	254+55	-	22+55	XEB, LT	3195	MEDIAN WIDENING
0010	2G	272+55	-	281+15	XEB, LT	1880	MEDIAN WIDENING
0010	2G	281+15	-	291+77	XEB, LT	2780	MEDIAN WIDENING
0010	2G	268+11	-	272+77	XEB, LT	840	TEMP WB OFF RAMP THRU GORE
0010	2G	272+79	-	302+82	XEB, LT	2910	TEMP WB OFF RAMP XOVER
0010	2G	291+77	-	316+98	XEB, LT	7115	TEMP MEDIAN ROADWAY
0010	2G	317+62	-	391+76	XEB, LT	21425	TEMP MEDIAN ROADWAY
0010	2G	392+40	-	403+53	XEB, LT	3225	TEMP MEDIAN ROADWAY
0010	2G	403+53	-	422+28	XEB, LT	4375	MEDIAN WIDENING
0010	2G	422+28	-	452+56	XEB, LT	6450	MEDIAN WIDENING
0010	2G	452+56	-	459+68	XEB, LT	940	MEDIAN WIDENING
0010	2G	459+68	-	483+41	XEB, LT	1325	MEDIAN WIDENING
0010	2G	445+06	-	458+32	XEB, LT	1675	TEMP WB ON RAMP XOVER
0010	2G	496+08	-	504+30	XEB, LT	940	TEMP WB OFF RAMP XOVER
0010	2G	484+45	-	485+97	XEB, LT	85	MEDIAN WIDENING
0010	2G	485+97	-	504+30	XEB, LT	2380	MEDIAN WIDENING
0010	2G	504+30	-	563+44	XEB, LT	13030	MEDIAN WIDENING
0010	2G	563+44	-	577+11	XEB, LT	2975	MEDIAN XOVER
0010	3	254+50	-	272+45	WB IH 94	3305	WB LANES
0010	3	272+45	-	280+92	WB IH 94	1160	WB LANES
0010	3	280+92	-	316+50	WB IH 94	6650	WB LANES
0010	3	318+07	-	391+31	WB IH 94	13560	WB LANES
0010	3	392+96	-	453+93	WB IH 94	11520	WB LANES
0010	3	453+93	-	476+77	WB IH 94	3105	WB LANES
0010	3	476+77	-	482+90	WB IH 94	1485	WB LANES
0010	3	484+86	-	494+10	WB IH 94	2090	WB LANES
0010	3	494+10	-	502+12	WB IH 94	1100	WB LANES
0010	3	502+12	-	566+60	WB IH 94	12115	WB LANES
0010	3	270+21	-	272+48	RAMP C	300	WB OFF RAMP
0010	3	272+45	-	280+92	WB 94, LT	830	WB EXIT LANE/TAPER
0010	3	453+93	-	477+41	WB 94, LT	2565	WB ENTR LANE/TAPER
0010	3	477+39	-	483+62	NW RAMP	860	WB ON RAMP
0010	3	483+56	-	494+10	NE RAMP	1415	WB OFF RAMP
0010	3	494+10	-	502+12	WB 94, LT	845	WB EXIT LANE/TAPER
0010	3	10+00		14+00	COUNTY Q	1500	TEMP LOW PROFILE
0010	4C	208+94	-	220+34	WB 94, RT	2570	MEDIAN XOVER
0010	4C	220+34	-	254+50	WB 94, RT	7290	MEDIAN WIDENING
0010	4C	254+50	-	294+47	WB 94, RT	6860	MEDIAN WIDENING
0010	4C	294+47	-	299+35	WB 94, RT	960	MEDIAN WIDENING
0010	4C	299+35	-	307+94	WB 94, RT	2390	TEMP MEDIAN ROADWAY
0010	4C	222+58	-	235+00	WB 94, RT	1380	TEMP EB OFF RAMP XOVER
0010	4C	265+95	-	272+50	WB 94, RT	1075	TEMP EB ON RAMP TRHU GORE
0010	4C	287+51	-	304+00	WB 94, RT	2225	TEMP EB ON RAMP XOVER
0010	4C	395+01	-	412+72	WB 94, RT	5090	TEMP MEDIAN ROADWAY
0010	4C	412+72	-	421+97	WB 94, RT	2125	MEDIAN WIDENING
0010	4C	421+97	-	453+94	WB 94, RT	5565	MEDIAN WIDENING
0010	4C	453+94	-	460+26	WB 94, RT	655	MEDIAN WIDENING
0010	4C	460+26	-	482+90	WB 94, RT	1845	MEDIAN WIDENING
0010	4C	453+94	-	461+39	WB 94, RT	970	TEMP EB OFF RAMP XOVER
0010	4C	496+32	-	505+70	WB 94, RT	1020	TEMP EB ON RAMP XOVER
0010	4C	484+86	-	486+00	WB 94, RT	95	MEDIAN WIDENING
0010	4C	486+00	-	496+00	WB 94, RT	1280	MEDIAN WIDENING
0010	4C	496+00	-	563+54	WB 94, RT	11565	MEDIAN WIDENING
0010	4C	563+54	-	576+00	WB 94, RT	2600	MEDIAN XOVER

BASE AGGREGATE DENSE 1 1/4-INCH (CONT'D.)

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	305.0120 * TON	REMARKS
0010	5	254+50	-	272+60	EB IH 94	3330	EB LANES
0010	5	272+60	-	286+40	EB IH 94	1890	EB LANES
0010	5	286+40	-	316+50	EB IH 94	5650	EB LANES
0010	5	318+08	-	391+08	EB IH 94	13465	EB LANES
0010	5	392+73	-	458+92	EB IH 94	12430	EB LANES
0010	5	458+92	-	468+00	EB IH 94	1245	EB LANES
0010	5	468+00	-	473+94	EB IH 94	840	EB LANES
0010	5	473+94	-	482+98	EB IH 94	1855	EB LANES
0010	5	484+94	-	492+48	EB IH 94	1565	EB LANES
0010	5	492+48	-	507+00	EB IH 94	1985	EB LANES
0010	5	507+00	-	566+60	EB IH 94	11235	EB LANES
0010	5	267+87	-	272+62	RAMP D	625	EB ON RAMP
0010	5	272+60	-	286+40	EB 94, RT	1270	EB ENTR LANE/TAPER
0010	5	458+92	-	468+00	EB 94, RT	735	EB EXIT LANE/TAPER
0010	5	468+00	-	473+94	EB 94, RT	665	EB EXIT LANE
0010	5	474+14	-	484+36	SW RAMP	1475	EB OFF RAMP
0010	5	484+25	-	492+50	SE RAMP	1120	EB ON RAMP
0010	5	492+48	-	507+00	EB 94, RT	1365	EB ENTR LANE/TAPER
0010	6C	208+00	-	310+93	EB 94, LT	1525	MEDIAN SHLD
0010	6C	310+93	-	316+50	EB 94, LT	370	MEDIAN SHLD
0010	6C	318+08	-	323+61	EB 94, LT	390	MEDIAN SHLD
0010	6C	323+61	-	385+56	EB 94, LT	920	MEDIAN SHLD
0010	6C	385+56	-	391+11	EB 94, LT	370	MEDIAN SHLD
0010	6C	392+76	-	398+33	EB 94, LT	345	MEDIAN SHLD
0010	6C	398+33	-	478+95	EB 94, LT	1195	MEDIAN SHLD
0010	6C	478+95	-	482+96	EB 94, LT	195	MEDIAN SHLD
0010	6C	484+92	-	487+44	EB 94, LT	125	MEDIAN SHLD
0010	6C	487+44	-	557+52	EB 94, LT	1020	MEDIAN SHLD
0010	6C	208+00	-	310+97	WB 94, RT	1525	MEDIAN SHLD
0010	6C	310+97	-	316+50	WB 94, RT	345	MEDIAN SHLD
0010	6C	318+08	-	323+65	WB 94, RT	370	MEDIAN SHLD
0010	6C	323+65	-	385+72	WB 94, RT	920	MEDIAN SHLD
0010	6C	385+72	-	391+29	WB 94, RT	345	MEDIAN SHLD
0010	6C	392+93	-	398+48	WB 94, RT	370	MEDIAN SHLD
0010	6C	398+48	-	480+38	WB 94, RT	1215	MEDIAN SHLD
0010	6C	480+38	-	482+90	WB 94, RT	100	MEDIAN SHLD
0010	6C	484+86	-	488+87	WB 94, RT	195	MEDIAN SHLD
0010	6C	488+87	-	557+40	WB 94, RT	1015	MEDIAN SHLD
0010	6C	236+08			EB 94, LT	140	MAINT XOVR
0010	6C	292+96			EB 94, LT	190	MAINT XOVR
0010	6C	427+12			EB 94, LT	140	MAINT XOVR
0010	6C	444+27			EB 94, LT	140	MAINT XOVR
0010	6C	516+57			EB 94, LT	140	MAINT XOVR
0010		8+00	-	16+21	COUNTY Q	2675	CTH Q ROADWAY
0010	7F	562+60	-	568+77	XEB, LT	1390	MEDIAN XOVER
0010	7F	568+77	-	695+53	XEB, LT	20335	MEDIAN WIDENING
0010	7F	702+35	-	708+52	XEB, LT	1005	MEDIAN WIDENING
0010	7F	708+52	-	724+19	XEB, LT	3215	MEDIAN XOVER
0010	7J	563+40	-	566+60	WB 94, RT	245	MEDIAN WIDENING
0010	7J	566+60	-	577+16	WB 94	1320	WB PASSING LN/MEDIAN WIDENING
0010	7J	577+16	-	590+69	WB 94	1645	WB PASSING LN/MEDIAN WIDENING
0010	7J	590+69	-	679+06	WB 94	10440	WB PASSING LN/MEDIAN WIDENING
0010	7J	679+06	-	685+00	WB 94	745	WB PASSING LN/MEDIAN WIDENING
0010	7J	685+00	-	695+16	WB 94, RT	820	MEDIAN WIDENING
0010	7M	566+60	-	577+20	WB 94, LT	1215	WB DRIVING LN/OUTSIDE SHLD
0010	7M	577+20	-	590+74	WB 94, LT	1425	WB DRIVING LN/OUTSIDE SHLD
0010	7M	590+74	-	660+07	WB 94, LT	7725	WB DRIVING LN/OUTSIDE SHLD
0010	7M	660+07	-	678+93	WB 94, LT	2035	WB DRIVING LN/OUTSIDE SHLD
0010	7M	678+93	-	685+00	WB 94, LT	600	WB DRIVING LN/OUTSIDE SHLD
0010	8A	557+52	-	567+20	WB 94, RT	1865	MEDIAN XOVER
0010	8A	702+54	-	717+39	WB 94, RT	2950	MEDIAN XOVER
0010	8E	566+60	-	685+00	EB 94, RT	12205	EB DRIVING LN/OUTSIDE SHLD
0010	8H	566+60	-	685+00	EB 94	11105	EB PASSING LN/MEDIAN SHLD
0010	9B	564+92			EB 94, LT	140	MAINT XOVER
0010	9B	712+00			EB 94, LT	260	MAINT XOVER
0010		UNDISTRIBUTED				19450	
					TOTAL 0010	409955	

* NOTE: SEE BRIDGE PLANS FOR ADDITIONAL QUANTITIES.

3

BASE AGGREGATE OPEN-GRADED

CATEGORY	STATION	TO	STATION	LOCATION	310.0110 TON	REMARKS
0010	207+00	-	685+00	UNDISTRIBUTED	2500	EMBANKMENT/SUBGRADE SEEPAGE
				TOTAL 0010	2500	

SELECT CRUSHED MATERIAL

CATEGORY	STATION	TO	STATION	LOCATION	312.0110 TON	REMARKS
0010	207+00	-	685+00	UNDISTRIBUTED	9000	SUBGRADE REPAIR
				TOTAL 0010	9000	

3

CONCRETE PAVEMENT 9-INCH

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	415.0090 SY	REMARKS
0010	3	476+75	-	483+84	NW RAMP	1492	COUNTY Q INTERCHANGE
0010	3	483+44	-	493+50	NE RAMP	1992	COUNTY Q INTERCHANGE
0010	5	474+75	-	484+48	SW RAMP	1934	COUNTY Q INTERCHANGE
0010	5	484+03	-	492+00	SE RAMP	1647	COUNTY Q INTERCHANGE
					TOTAL 0010	7065	

CONCRETE PAVEMENT 12-INCH

CATEGORY		STATION	TO	STATION	LOCATION	415.0120 SY	REMARKS
0010	3	254+50	-	316+35	WB IH 94	17874	WB LANES
0010	3	270+21	-	272+00	RAMP C	299	WB OFF RAMP
0010	3	272+00	-	273+96	WB 94, LT	329	RAMP C GORE
0010	3	273+96	-	281+54	WB 94, LT	770	RAMP C TAPER
0010	3	318+23	-	391+14	WB IH 94	21099	WB LANES
0010	3	393+13	-	482+72	WB IH 94	25849	WB LANES
0010	3	462+25	-	474+29	WB 94, LT	1327	WB ON RAMP TAPER
0010	3	474+29	-	476+75	WB 94, LT	412	WB ON RAMP GORE
0010	3	485+01	-	566+60	WB IH 94	23566	WB LANES
0010	3	193+50	-	496+62	WB 94, LT	520	WB OFF RAMP GORE
0010	3	496+62	-	499+00	WB 94, LT	210	WB OFF RAMP TAPER
0010	5	254+50	-	316+35	EB IH 94	17874	EB LANES
0010	5	267+87	-	272+00	RAMP D	691	EB ON RAMP
0010	5	272+00	-	274+47	EB 94, RT	413	RAMP D GORE
0010	5	274+47	-	286+40	EB 94, RT	1315	RAMP D TAPER
0010	5	318+23	-	390+92	EB IH 94	20967	EB LANES
0010	5	392+91	-	482+81	EB IH 94	25931	EB LANES
0010	5	458+92	-	472+29	EB 94, RT	1434	SW RAMP TAPER
0010	5	472+29	-	474+75	EB 94, RT	411	SW RAMP GORE
0010	5	485+10	-	566+60	EB IH 94	23560	EB LANES
0010	5	492+00	-	494+96	EB 94, RT	495	SE RAMP GORE
0010	5	494+96	-	507+00	EB 94, RT	1337	SE RAMP TAPER
0010	7J	566+60	-	685+00	WB IH 94	15764	WB PASSING LANE
0010	7M	566+60	-	685+00	WB IH 94	18389	WB DRIVING LANE
0010	8E	566+60	-	685+00	EB IH 94	18115	EB DRIVING LANE
0010	8H	566+60	-	685+00	EB IH 94	15525	EB PASSING LANE
					TOTAL 0010	254476	

CONCRETE PAVEMENT GAPS

CATEGORY	STAGAE	STATION	TO	STATION	LOCATION	415.0210 EACH	REMARKS
0010	3	271+00	-	290+50	WB IH 94	1	RAMP C TEMP XOVER
0010	3	454+00	-	477+00	WB IH 94	1	NW RAMP TEMP XOVER
0010	3	491+00	-	502+00	WB IH 94	1	NE RAMP TEMP XOVER
0010	5	270+00	-	290+50	EB IH 94	1	RAMP D TEMP XOVER
0010	5	457+00	-	477+00	EB IH 94	1	SW RAMP TEMP XOVER
0010	5	492+00	-	502+00	EB IH 94	1	SE RAMP TEMP XOVER
					TOTAL 0010	6	

CONCRETE PAVEMENT APPROACH SLAB

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	415.0410 SY	REMARKS
0010	3	316+35	-	316+50	WB IH 94	44	B-55-247
0010	3	318+08	-	318+23	WB IH 94	44	B-55-247
0010	3	391+14	-	391+29	WB IH 94	50	B-55-245
0010	3	392+93	-	393+13	WB IH 94	50	B-55-245
0010	3	482+72	-	482+90	WB IH 94	48	B-17-215
0010	3	484+86	-	485+01	WB IH 94	48	B-17-215
0010	5	316+35	-	316+50	EB IH 94	44	B-55-248
0010	5	318+08	-	318+23	EB IH 94	44	B-55-248
0010	5	390+92	-	391+11	EB IH 94	50	B-55-246
0010	5	392+76	-	392+91	EB IH 94	50	B-55-246
0010	5	482+81	-	482+96	EB IH 94	48	B-17-214
0010	5	484+92	-	485+10	EB IH 94	48	B-17-214
					TOTAL 0010	568	

DRILLED DOWEL BARS

CATEGORY	STAGE	STATION	LOCATION	416.0620 EACH	REMARKS
0010	3	254+50	WB IH 94	16	2 LANES WB
0010	3	685+00	WB IH 94	16	2 LANES WB
0010	5	254+50	EB IH 94	16	2 LANES EB
0010	5	685+00	EB IH 94	16	2 LANES EB
			TOTAL 0010	64	

CONCRETE SHOULDER RUMBLE STRIPS

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	416.1110 LF	REMARKS
0010	6E	254+50	-	272+51	WB IH 94, LT	1801	OUTSIDE SHLD
0010	6E	282+95	-	316+35	WB IH 94, LT	3342	OUTSIDE SHLD
0010	6E	318+23	-	391+14	WB IH 94, LT	7306	OUTSIDE SHLD
0010	6E	393+13	-	471+38	WB IH 94, LT	7823	OUTSIDE SHLD
0010	6E	476+16	-	482+72	WB IH 94, LT	656	OUTSIDE SHLD
0010	6E	485+01	-	494+04	WB IH 94, LT	904	OUTSIDE SHLD
0010	6E	500+00	-	557+00	WB IH 94, LT	5697	OUTSIDE SHLD
0010	6E	254+50	-	272+66	EB IH 94, RT	1816	OUTSIDE SHLD
0010	6E	277+40	-	316+35	EB IH 94, RT	3897	OUTSIDE SHLD
0010	6E	318+23	-	390+92	EB IH 94, RT	7255	OUTSIDE SHLD
0010	6E	392+91	-	457+50	EB IH 94, RT	6417	OUTSIDE SHLD
0010	6E	473+88	-	482+81	EB IH 94, RT	893	OUTSIDE SHLD
0010	6E	485+10	-	492+54	EB IH 94, RT	744	OUTSIDE SHLD
0010	6E	498+00	-	557+00	EB IH 94, RT	5907	OUTSIDE SHLD
0010	9E	557+00	-	685+00	WB IH 94, LT	12780	OUTSIDE SHLD
0010	9E	685+00	-	697+94	WB IH 94, LT	1294	OUTSIDE SHLD
0010	9E	699+97	-	724+00	WB IH 94, LT	2403	OUTSIDE SHLD
0010	9E	557+00	-	685+00	EB IH 94, RT	12606	OUTSIDE SHLD
0010	9E	685+00	-	697+80	EB IH 94, RT	1280	OUTSIDE SHLD
0010	9E	699+82	-	724+00	EB IH 94, RT	2418	OUTSIDE SHLD
					TOTAL 0010	87239	

HMA COLD WEATHER PAVING

CATEGORY	STAGE	LOCATION	450.4000 TON	REMARKS
0010	3	WB IH 94	3760	
0010	6	IH 94 EB/WB	1210	
0010	8	IH 94 EB	1225	
		TOTAL 0010	6195	

TACK COAT

455.0605

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	GAL	REMARKS
0010	1	243+00	-	249+52	XEB 94, RT	50	6-IN WIDENING OUTSIDE SHLD/RAMP
0010	1	249+37	-	274+00	XEB 94, RT	195	6-IN WIDENING OUTSIDE SHLD/GORES
0010	1	452+56	-	475+18	XEB 94, RT	335	6-IN WIDENING OUTSIDE SHLD/RAMP
0010	1	473+61	-	483+67	XEB 94, RT	220	6-IN WIDENING OUTSIDE SHLD/GORES
0010	1	484+30	-	493+00	XEB 94, RT	180	6-IN WIDENING OUTSIDE SHLD/GORES
0010	1	491+12	-	504+30	XEB 94, RT	75	6-IN WIDENING OUTSIDE SHLD/RAMP
0010	2A	207+22	-	243+00	XEB 94, RT	400	6-IN MILL/RESURFACE 10' SHLD
0010	2A	274+01	-	289+76	XEB 94, RT	140	6-IN MILL/RESURFACE 5'-10' SHLD
0010	2A	397+78	-	452+56	XEB 94, RT	605	6-IN MILL/RESURFACE 10' SHLD
0010	2A	504+30	-	572+61	XEB 94, RT	760	6-IN MILL/RESURFACE 10' SHLD
0010	2A	200+00	-	216+80	XWB 94, LT	260	6-IN WIDENING VAR. OUTSIDE SHLD
0010	2A	216+80	-	240+03	XWB 94, LT	260	6-IN MILL/RESURFACE 10' SHLD
0010	2A	240+03	-	252+25	XWB 94, LT	75	6-IN MILL/RESURFACE 10'-5' SHLD
0010	2A	251+78	-	254+50	XWB 94, LT	35	6-IN MILL/RESURFACE GORE & 10' SHLD
0010	2A	566+60	-	572+65	XWB 94, LT	70	6-IN MILL/RESURFACE 10' SHLD
0010	2G	208+42	-	316+98	XEB 94, LT	1665	6-IN TEMP MEDIAN WIDENING/ROADWAY
0010	2G	268+11	-	272+77	XWB 94, LT GORE	50	6-IN TEMP WB OFF RAMP
0010	2G	272+79	-	302+82	XEB 94, LT	160	6-IN TEMP WB OFF RAMP XOVER
0010	2G	294+65	-	297+61	XEB 94, LT	15	6-IN TEMP WB OFF RAMP XOVER SECONDARY
0010	2G	317+62	-	391+77	XEB 94, LT	1360	6-IN TEMP MEDIAN ROADWAY
0010	2G	392+40	-	483+41	XEB 94, LT	1075	6-IN TEMP MEDIAN WIDENING/ROADWAY
0010	2G	445+06	-	458+32	XEB 94, LT	90	6-IN TEMP WB ON RAMP XOVER
0010	2G	496+08	-	503+60	XEB 94, LT	50	6-IN TEMP WB OFF RAMP XOVER
0010	2G	484+45	-	577+11	XEB 94, LT	1210	6-IN TEMP MEDIAN WIDENING/ROADWAY
0010	3	254+15	-	254+50	WB IH 94	10	2-IN BUTT JOINT
0010	3	254+50	-	292+71	WB 94, RT	130	6-IN MEDIAN SHLD
0010	3	294+38	-	298+91	WB 94, RT	20	6-IN MEDIAN SHLD
0010	3	298+91	-	316+50	WB 94, RT	60	6-IN MEDIAN SHLD
0010	3	318+08	-	391+29	WB 94, RT	245	6-IN MEDIAN SHLD
0010	3	392+93	-	413+84	WB 94, RT	70	6-IN MEDIAN SHLD
0010	3	413+84	-	456+34	WB 94, RT	145	6-IN MEDIAN SHLD
0010	3	458+32	-	482+90	WB 94, RT	85	6-IN MEDIAN SHLD
0010	3	484+86	-	496+08	WB 94, RT	40	6-IN MEDIAN SHLD
0010	3	497+58	-	567+70	WB 94, RT	235	6-IN MEDIAN SHLD
0010	3	254+50	-	272+00	WB 94, LT	80	6-IN OUTSIDE SHLD
0010	3	272+00	-	273+95	WB 94, LT	15	6-IN OUTSIDE SHLD
0010	3	270+30	-	280+91	WB 94, LT	45	6-IN WIDEN OUTSIDE SHLD
0010	3	280+91	-	316+50	WB 94, LT	160	6-IN OUTSIDE SHLD
0010	3	318+08	-	391+34	WB 94, LT	330	6-IN OUTSIDE SHLD
0010	3	392+98	-	453+93	WB 94, LT	275	6-IN OUTSIDE SHLD
0010	3	453+93	-	477+36	WB 94, LT	185	6-IN WIDEN OUTSIDE SHLD
0010	3	474+30	-	482+87	WB 94, LT	105	6-IN WIDEN OUTSIDE SHLD/GORE
0010	3	484+83	-	496+62	WB 94, LT	120	6-IN WIDEN OUTSIDE SHLD/GORE
0010	3	495+70	-	502+12	WB 94, LT	50	6-IN WIDEN OUTSIDE SHLD
0010	3	502+12	-	566+60	WB 94, LT	290	6-IN OUTSIDE SHLD
0010	3	566+60	-	566+95	WB IH 94	10	2-IN BUTT JOINT

TACK COAT (CONT'D.)

455.0605

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	GAL	REMARKS
0010	4C	208+94	-	307+94	WB 94, RT	1340	6-IN TEMP MEDIAN WIDENING/ROADWAY
0010	4C	222+58	-	235+00	WB 94, RT	75	6-IN TEMP EB OFF RAMP XOVER
0010	4C	265+96	-	272+50	XEB 94, RT GORE	55	6-IN TEMP EB ON RAMP
0010	4C	287+51	-	304+00	WB 94, RT	125	6-IN TEMP EB ON RAMP XOVER
0010	4C	292+67	-	295+84	WB 94, RT	20	6-IN TEMP EB ON RAMP XOVER SECONDARY
0010	4C	395+01		482+90	WB 94, RT	985	6-IN TEMP MEDIAN WIDENING/ROADWAY
0010	4C	453+94	-	461+38	WB 94, RT	55	6-IN TEMP EB OFF RAMP XOVER
0010	4C	484+86		576+00	WB 94, RT	1010	6-IN TEMP MEDIAN WIDENING/ROADWAY
0010	4C	496+33	-	505+70	WB 94, RT	55	6-IN TEMP EB ON RAMP XOVER
0010	5	254+15	-	254+50	EB IH 94	10	2-IN BUTT JOINT
0010	5	254+50	-	274+46	EB 94, RT	95	6-IN OUTSIDE SHLD
0010	5	272+02	-	316+50	EB 94, RT	180	6-IN OUTSIDE SHLD
0010	5	318+08	-	391+07	EB 94, RT	330	6-IN OUTSIDE SHLD
0010	5	392+71	-	468+00	EB 94, RT	320	6-IN OUTSIDE SHLD
0010	5	468+00	-	473+17	EB 94, RT	25	6-IN WIDEN OUTSIDE SHLD
0010	5	472+28	-	482+99	EB 94, RT	75	6-IN OUTSIDE SHLD
0010	5	484+95	-	494+96	EB 94, RT	70	6-IN OUTSIDE SHLD
0010	5	492+01	-	566+60	EB 94, RT	310	6-IN OUTSIDE SHLD
0010	5	254+15	-	254+50	EB IH 94	10	2-IN BUTT JOINT
0010		8+00	-	16+21	COUNTY Q	150	CTH Q ROADWAY
0010	7A	572+60	-	660+00	XEB 94 , RT	950	6-IN MILL/RESURFACE 10' SHLD
0010	7A	572+64	-	666+00	XWB 94, LT	1040	6-IN MILL/RESURFACE 10' SHLD
0010	7F	562+59	-	695+53	XEB 94, LT	1150	6-IN TEMP MEDIAN WIDENING
0010	7F	702+35	-	724+19	XEB 94, LT	210	6-IN TEMP MEDIAN WIDENING
0010	7J	563+40	-	695+16	WB 94, RT	965	6-IN MEDIAN WIDENING VAR.
0010	7M	566+60	-	685+00	WB 94, LT	625	6-IN OUTSIDE SHLD
0010	8A	557+52	-	567+20	WB 94, RT	95	6-IN MEDIAN XOVER
0010	8A	707+54	-	717+39	WB 94, RT	135	6-IN MEDIAN XOVER
0010	8E	566+60	-	685+00	EB 94, RT	520	6-IN OUTSIDE SHLD
					TOTAL 0010	23025	

HMA PAVEMENT 3 HT 58-28 H

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	460.7423 TON	REMARKS
0010	3	254+50	-	292+71	WB 94, RT	520	6' MEDIAN SHLD/3.5-IN LOWER
0010	3	294+38	-	298+91	WB 94, RT	62	6' MEDIAN SHLD/3.5-IN LOWER
0010	3	298+91	-	316+50	WB 94, RT	238	6' MEDIAN SHLD/3.5-IN LOWER
0010	3	318+08	-	391+29	WB 94, RT	990	6' MEDIAN SHLD/3.5-IN LOWER
0010	3	392+93	-	413+84	WB 94, RT	283	6' MEDIAN SHLD/3.5-IN LOWER
0010	3	413+84	-	456+34	WB 94, RT	575	6' MEDIAN SHLD/3.5-IN LOWER
0010	3	458+32	-	482+90	WB 94, RT	331	6' MEDIAN SHLD/3.5-IN LOWER
0010	3	484+86	-	496+08	WB 94, RT	152	6' MEDIAN SHLD/3.5-IN LOWER
0010	3	497+58	-	567+70	WB 94, RT	950	6' MEDIAN SHLD/3.5-IN LOWER
0010	3	254+50	-	272+00	WB 94, LT	315	8' OUTSIDE SHLD/3.5-IN LOWER
0010	3	272+00	-	273+95	WB 94, LT	50	OUTSIDE SHLD/GORE/3.5-IN LOWER
0010	3	280+91	-	316+50	WB 94, LT	642	8' OUTSIDE SHLD/3.5-IN LOWER
0010	3	318+08	-	391+34	WB 94, LT	1330	8' OUTSIDE SHLD/3.5-IN LOWER
0010	3	392+98	-	453+93	WB 94, LT	1110	8' OUTSIDE SHLD/3.5-IN LOWER
0010	3	502+12	-	566+60	WB 94, LT	1165	8' OUTSIDE SHLD/3.5-IN LOWER
0010	5	254+50	-	272+00	EB 94, RT	315	8' OUTSIDE SHLD/3.5-IN LOWER
0010	5	272+00	-	274+46	EB 94, RT	61	OUTSIDE SHLD/GORE/3.5-IN LOWER
0010	5	272+02	-	286+40	EB 94, RT	164	VAR. OUTSIDE SHLD/3.5-IN LOWER
0010	5	286+40	-	316+50	EB 94, RT	550	8' OUTSIDE SHLD/3.5-IN LOWER
0010	5	318+08	-	391+07	EB 94, RT	1320	8' OUTSIDE SHLD/3.5-IN LOWER
0010	5	392+71	-	458+92	EB 94, RT	1195	8' OUTSIDE SHLD/3.5-IN LOWER
0010	5	458+92	-	468+00	EB 94, RT	105	VAR. OUTSIDE SHLD/3.5-IN LOWER
0010	5	472+28	-	474+75	EB 94, RT	65	OUTSIDE SHLD/GORE/3.5-IN LOWER
0010	5	474+75	-	482+99	EB 94, RT	225	8' OUTSIDE SHLD/3.5-IN LOWER
0010	5	484+95	-	492+00	EB 94, RT	200	8' OUTSIDE SHLD/3.5-IN LOWER
0010	5	492+00	-	494+96	EB 94, RT	75	OUTSIDE SHLD/GORE/3.5-IN LOWER
0010	5	492+01	-	507+00	EB 94, RT	170	VAR. OUTSIDE SHLD/3.5-IN LOWER
0010	5	507+00	-	566+60	EB 94, RT	1080	8' OUTSIDE SHLD/3.5-IN LOWER
0010		8+00	-	16+21	COUNTY Q	515	3-IN LOWER
0010	7M	566+60	-	577+20	WB 94, LT	200	8' OUTSIDE SHLD/3.5-IN LOWER
0010	7M	577+20	-	590+74	WB 94, LT	270	VAR. 8'-10' OUTSIDE SHLD/3.5-IN LOWER
0010	7M	590+74	-	660+07	WB 94, LT	1565	10' OUTSIDE SHLD/3.5-IN LOWER
0010	7M	660+07	-	678+93	WB 94, LT	385	VAR. 10'-8' OUTSIDE SHLD/3.5-IN LOWER
0010	7M	678+93	-	685+00	WB 94, LT	110	8' OUTSIDE SHLD/3.5-IN LOWER
0010	8E	566+60	-	685+00	EB 94, RT	2110	8' OUTSIDE SHLD/3.5-IN LOWER
					TOTAL 0010	19393	

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HMA PAVEMENT 4 HT 58-34 H

460.7444

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	TON	REMARKS
0010	3	254+15	-	254+50	WB 94	20	2-IN BUTT JOINT
0010	3	254+50	-	292+71	WB 94, RT	350	6' MEDIAN SHLD/2.5-IN UPPER
0010	3	294+38	-	298+91	WB 94, RT	42	6' MEDIAN SHLD/2.5-IN UPPER
0010	3	298+91	-	316+50	WB 94, RT	162	6' MEDIAN SHLD/2.5-IN UPPER
0010	3	318+08	-	391+29	WB 94, RT	672	6' MEDIAN SHLD/2.5-IN UPPER
0010	3	392+93	-	413+84	WB 94, RT	192	6' MEDIAN SHLD/2.5-IN UPPER
0010	3	413+84	-	456+34	WB 94, RT	390	6' MEDIAN SHLD/2.5-IN UPPER
0010	3	458+32	-	482+90	WB 94, RT	225	6' MEDIAN SHLD/2.5-IN UPPER
0010	3	484+86	-	496+08	WB 94, RT	103	6' MEDIAN SHLD/2.5-IN UPPER
0010	3	497+58	-	567+70	WB 94, RT	643	6' MEDIAN SHLD/2.5-IN UPPER
0010	3	254+50	-	272+00	WB 94, LT	214	8' OUTSIDE SHLD/2.5-IN UPPER
0010	3	272+00	-	273+95	WB 94, LT	33	OUTSIDE SHLD/GORE/2.5-IN UPPER
0010	3	280+91	-	316+50	WB 94, LT	436	8' OUTSIDE SHLD/2.5-IN UPPER
0010	3	318+08	-	391+34	WB 94, LT	905	8' OUTSIDE SHLD/2.5-IN UPPER
0010	3	392+98	-	453+93	WB 94, LT	755	8' OUTSIDE SHLD/2.5-IN UPPER
0010	3	502+12	-	566+60	WB 94, LT	790	8' OUTSIDE SHLD/2.5-IN UPPER
0010	3	566+60	-	566+95	WB 94	20	2-IN BUTT JOINT
0010	3	270+21	-	272+00	RAMP C, RT	15	3' INSIDE SHLD/2.5-IN UPPER
0010	3	476+75	-	483+35	NW RAMP, RT	55	3' INSIDE SHLD/2.5-IN UPPER
0010	3	477+39	-	483+10	NW RAMP, LT	70	5' OUTSIDE SHLD/2.5-IN UPPER
0010	3	483+56	-	494+00	NE RAMP, RT	85	3' INSIDE SHLD/2.5-IN UPPER
0010	3	484+00	-	495+69	NE RAMP, LT	150	5' OUTSIDE SHLD/2.5-IN UPPER
0010	5	254+15	-	254+00	EB 94	20	2-IN BUTT JOINT
0010	5	257+50	-	272+00	EB 94, RT	214	OUTSIDE SHLD/GORE/2.5-IN UPPER
0010	5	272+00	-	274+46	EB 94, RT	42	VAR. OUTSIDE SHLD/2.5-IN UPPER
0010	5	272+02	-	286+40	EB 94, RT	112	8' OUTSIDE SHLD/2.5-IN UPPER
0010	5	286+40	-	316+50	EB 94, RT	372	8' OUTSIDE SHLD/2.5-IN UPPER
0010	5	318+08	-	391+07	EB 94, RT	900	8' OUTSIDE SHLD/2.5-IN UPPER
0010	5	392+71	-	458+92	EB 94, RT	810	8' OUTSIDE SHLD/2.5-IN UPPER
0010	5	458+92	-	468+00	EB 94, RT	71	VAR. OUTSIDE SHLD/2.5-IN UPPER
0010	5	472+28	-	474+75	EB 94, RT	44	OUTSIDE SHLD/GORE/2.5-IN UPPER
0010	5	474+75	-	482+99	EB 94, RT	152	8' OUTSIDE SHLD/2.5-IN UPPER
0010	5	484+95	-	492+00	EB 94, RT	136	8' OUTSIDE SHLD/2.5-IN UPPER
0010	5	492+00	-	494+96	EB 94, RT	50	OUTSIDE SHLD/GORE/2.5-IN UPPER
0010	5	492+01	-	507+00	EB 94, RT	116	VAR. OUTSIDE SHLD/2.5-IN UPPER
0010	5	507+00	-	566+60	EB 94, RT	735	8' OUTSIDE SHLD/2.5-IN UPPER
0010	5	566+60	-	566+95	EB 94	20	2-IN BUTT JOINT
0010	5	267+87	-	272+00	RAMP D, LT	35	3' INSIDE SHLD/2.5-IN UPPER
0010	5	267+87	-	272+00	RAMP D, RT	55	5' OUTSIDE SHLD/2.5-IN UPPER
0010	5	473+21	-	483+94	SW RAMP, RT	185	5' OUTSIDE SHLD/2.5-IN UPPER
0010	5	474+75	-	484+36	SW RAMP, LT	75	3' INSIDE SHLD/2.5-IN UPPER
0010	5	484+52	-	492+00	SE RAMP, LT	60	3' INSIDE SHLD/2.5-IN UPPER
0010	5	484+79	-	492+00	SE RAMP, RT	85	5' OUTSIDE SHLD/2.5-IN UPPER

HMA PAVEMENT 4 HT 58-34 H (CONT'D.)

460.7444

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	TON	REMARKS
0010		8+00	-	16+21	COUNTY Q	325	2-IN UPPER
0010	6C	254+50	-	310+93	EB 94, LT	580	4' MEDIAN SHLD/4-IN UPPER
0010	6C	310+93	-	316+50	EB 94, LT	220	VAR. MEDIAN SHLD/4-IN UPPER
0010	6C	318+08	-	323+61	EB 94, LT	215	VAR. MEDIAN SHLD/4-IN UPPER
0010	6C	323+61	-	385+56	EB 94, LT	635	4' MEDIAN SHLD/4-IN UPPER
0010	6C	385+56	-	391+11	EB 94, LT	215	VAR. MEDIAN SHLD/4-IN UPPER
0010	6C	392+76	-	398+33	EB 94, LT	215	VAR. MEDIAN SHLD/4-IN UPPER
0010	6C	398+33	-	478+95	EB 94, LT	825	4' MEDIAN SHLD/4-IN UPPER
0010	6C	478+95	-	482+96	EB 94, LT	85	VAR. MEDIAN SHLD/4-IN UPPER
0010	6C	484+92	-	487+44	EB 94, LT	60	VAR. MEDIAN SHLD/4-IN UPPER
0010	6C	487+44	-	566+60	EB 94, LT	810	4' MEDIAN SHLD/4-IN UPPER
0010	6C	310+97	-	316+50	WB 94, RT	155	VAR. MEDIAN SHLD/4-IN UPPER
0010	6C	318+08	-	323+65	WB 94, RT	160	VAR. MEDIAN SHLD/4-IN UPPER
0010	6C	385+71	-	391+29	WB 94, RT	155	VAR. MEDIAN SHLD/4-IN UPPER
0010	6C	392+93	-	398+48	WB 94, RT	160	VAR. MEDIAN SHLD/4-IN UPPER
0010	6C	480+38	-	482+90	WB 94, RT	35	VAR. MEDIAN SHLD/4-IN UPPER
0010	6C	484+86	-	488+87	WB 94, RT	45	VAR. MEDIAN SHLD/4-IN UPPER
0010	6C	236+08			EB 94, LT	50	4-IN MAINT. XOVER
0010	6C	292+96			EB 94, LT	65	4-IN MAINT. XOVER
0010	6C	427+12			EB 94, LT	50	4-IN MAINT. XOVER
0010	6C	444+27			EB 94, LT	50	4-IN MAINT. XOVER
0010	6C	516+57			EB 94, LT	50	4-IN MAINT. XOVER
0010	7M	566+60	-	577+20	WB 94, LT	135	8' OUTSIDE SHLD/2.5-IN UPPER
0010	7M	577+20	-	590+74	WB 94, LT	182	VAR. 8'-10' OUTSIDE SHLD/2.5-IN UPPER
0010	7M	590+74	-	660+07	WB 94, LT	1065	10' OUTSIDE SHLD/2.5-IN UPPER
0010	7M	660+07	-	678+93	WB 94, LT	260	VAR. 10'-8' OUTSIDE SHLD/2.5-IN UPPER
0010	7M	678+93	-	685+00	WB 94, LT	75	8' OUTSIDE SHLD/2.5-IN UPPER
0010	8E	566+60	-	685+00	EB 94, LT	1430	8' OUTSIDE SHLD/2.5-IN UPPER
0010	8H	566+60	-	685+00	EB 94, LT	1355	VAR. MEDIAN SHLD/4-IN UPPER
0010	9B	564+92			EB 94, LT	50	4-IN MAINT. XOVER
0010	9B	712+00			EB 94, LT	85	4-IN MAINT. XOVER
					TOTAL 0010	20413	

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ASPHALTIC SURFACE

CATEGORY	STATION	TO	STATION	LOCATION	465.0105 TON	REMARKS
0010	2+25	-	5+25	310TH STREET	150	REPLACE EXISTING ASPHALT AS NECESSARY
0010	8+75	-	11+75	50TH AVENUE	150	REPLACE EXISTING ASPHALT AS NECESSARY
				TOTAL 0010	300	

ASPHALTIC SURFACE PATCHING

CATEGORY	STATION	TO	STATION	LOCATION	465.0110 TON	REMARKS
0010	254+50	-	685+00	IH 94	500	UNDISTRIBUTED
				TOTAL 0010	500	

ASPHALTIC SURFACE TEMPORARY

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	465.0125 TON	REMARKS
0010	1	243+00	-	249+52	XEB 94, RT	340	6-IN WIDENING OUTSIDE SHLD/RAMP
0010	1	249+37	-	274+00	XEB 94, RT	1310	6-IN WIDENING OUTSIDE SHLD/GORES
0010	1	452+56	-	475+18	XEB 94, RT	2275	6-IN WIDENING OUTSIDE SHLD/RAMP
0010	1	473+61	-	483+67	XEB 94, RT	1470	6-IN WIDENING OUTSIDE SHLD/GORES
0010	1	484+30	-	493+00	XEB 94, RT	1195	6-IN WIDENING OUTSIDE SHLD/GORES
0010	1	491+12	-	504+30	XEB 94, RT	500	6-IN WIDENING OUTSIDE SHLD/RAMP
0010	2A	207+22	-	243+00	XEB 94, RT	1355	6-IN MILL/RESURFACE 10' SHLD
0010	2A	274+01	-	289+76	XEB 94, RT	470	6-IN MILL/RESURFACE 5'-10' SHLD
0010	2A	397+78	-	452+56	XEB 94, RT	2055	6-IN MILL/RESURFACE 10' SHLD
0010	2A	504+30	-	572+61	XEB 94, RT	2585	6-IN MILL/RESURFACE 10' SHLD
0010	2A	200+00	-	216+80	XWB 94, LT	875	6-IN WIDENING VAR. OUTSIDE SHLD
0010	2A	216+80	-	240+03	XWB 94, LT	880	6-IN MILL/RESURFACE 10' SHLD
0010	2A	240+03	-	252+25	XWB 94, LT	245	6-IN MILL/RESURFACE 10'-5' SHLD
0010	2A	251+78	-	254+50	XWB 94, LT	105	6-IN MILL/RESURFACE GORE & 10' SHLD
0010	2A	566+60	-	572+65	XWB 94, LT	230	6-IN MILL/RESURFACE 10' SHLD
0010	2A	291+76	-	403+53	XEB 94, LT	1245	2-IN WIDENING INSIDE SHLD
0010	2A	216+00	-	455+75	XWB 94, LT	2695	2-IN WIDENING INSIDE SHLD
0010	2A	499+00	-	567+00	XWB 94, LT	770	2-IN WIDENING INSIDE SHLD
0010	2G	208+42	-	220+30	XEB 94, LT	1035	6-IN MEDIAN XOVER
0010	2G	220+30	-	254+55	XEB 94, LT	3425	6-IN MEDIAN WIDENING 26.5'
0010	2G	254+55	-	272+55	XEB 94, LT	1425	6-IN MEDIAN WIDENING VAR. 16.5'-26.5'
0010	2G	272+55	-	281+55	XEB 94, LT	860	6-IN MEDIAN WIDENING 26.5'
0010	2G	281+15	-	291+77	XEB 94, LT	1330	6-IN MEDIAN WIDENING VAR.
0010	2G	268+11	-	272+77	XWB 94, LT GORE	315	6-IN TEMP WB OFF RAMP
0010	2G	272+79	-	302+82	XEB 94, LT	1090	6-IN TEMP WB OFF RAMP XOVER
0010	2G	294+65	-	297+61	XEB 94, LT	90	6-IN TEMP WB OFF RAMP XOVER SECONDARY
0010	2G	291+77	-	316+98	XEB 94, LT	3145	6-IN TEMP MEDIAN ROADWAY
0010	2G	317+62	-	391+77	XEB 94, LT	9250	6-IN TEMP MEDIAN ROADWAY
0010	2G	392+40	-	403+53	XEB 94, LT	1390	6-IN TEMP MEDIAN ROADWAY
0010	2G	403+53	-	422+28	XEB 94, LT	2020	6-IN MEDIAN WIDENING VAR.
0010	2G	422+28	-	452+56	XEB 94, LT	3035	6-IN MEDIAN WIDENING 26.5'
0010	2G	452+56	-	459+68	XEB 94, LT	445	6-IN MEDIAN WIDENING VAR. 26.5'-4.5'
0010	2G	459+68	-	483+41	XEB 94, LT	405	6-IN MEDIAN WIDENING 4.5'
0010	2G	445+06	-	458+32	XEB 94, LT	610	6-IN TEMP WB ON RAMP XOVER
0010	2G	496+08	-	503+60	XEB 94, LT	330	6-IN TEMP WB OFF RAMP XOVER
0010	2G	484+45	-	485+97	XEB 94, LT	30	6-IN MEDIAN WIDENING 4.5'
0010	2G	485+97	-	504+30	XEB 94, LT	1090	6-IN MEDIAN WIDENING VAR. 4.5'-26.5'
0010	2G	504+60	-	563+44	XEB 94, LT	5925	6-IN MEDIAN WIDENING 26.5'
0010	2G	563+44	-	577+11	XEB 94, LT	1165	6-IN MEDIAN XOVER

ASPHALTIC SURFACE TEMPORARY (CONT'D.)

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	465.0125 TON	REMARKS
0010	3	270+30	-	280+91	WB 94, LT	285	6-IN WIDEN OUTSIDE SHLD
0010	3	453+93	-	477+36	WB 94, LT	1310	6-IN WIDEN OUTSIDE SHLD
0010	3	474+30	-	482+87	WB 94, LT	690	6-IN WIDEN OUTSIDE SHLD/GORE
0010	3	484+83	-	496+62	WB 94, LT	790	6-IN WIDEN OUTSIDE SHLD/GORE
0010	3	495+70	-	502+12	WB 94, LT	320	6-IN WIDEN OUTSIDE SHLD
0010	3	10+00		14+00	COUNTY Q	250	TEMP LOW PROFILE
0010	4C	208+94	-	220+34	WB 94, RT	1020	6-IN MEDIAN XOVER
0010	4C	220+34	-	254+50	WB 94, RT	3415	6-IN MEDIAN WIDENING 26.5'
0010	4C	254+50	-	294+47	WB 94, RT	3100	6-IN MEDIAN WIDENING 20.5'
0010	4C	222+58	-	235+00	WB 94, RT	510	6-IN TEMP EB OFF RAMP XOVER
0010	4C	265+96	-	272+50	XEB 94, RT GORE	360	6-IN TEMP EB ON RAMP
0010	4C	287+51	-	304+00	WB 94, RT	820	6-IN TEMP EB ON RAMP XOVER
0010	4C	292+67	-	295+84	WB 94, RT	130	6-IN TEMP EB ON RAMP XOVER SECONDARY
0010	4C	294+47	-	299+35	WB 94, RT	490	6-IN MEDIAN WIDENING VAR.
0010	4C	299+35	-	307+94	WB 94, RT	1075	6-IN TEMP MEDIAN ROADWAY
0010	4C	395+01	-	412+72	WB 94, RT	2195	6-IN TEMP MEDIAN ROADWAY
0010	4C	412+72	-	421+97	WB 94, RT	980	6-IN MEDIAN WIDENING VAR.
0010	4C	421+97	-	453+94	WB 94, RT	2475	6-IN MEDIAN WIDENING 20.5'
0010	4C	453+94	-	460+26	WB 94, RT	335	6-IN MEDIAN WIDENING VAR. 20.5'-8.0'
0010	4C	460+26	-	482+90	WB 94, RT	685	6-IN MEDIAN WIDENING 8.0'
0010	4C	453+94	-	461+38	WB 94, RT	350	6-IN TEMP EB OFF RAMP XOVER
0010	4C	484+86	-	486+00	WB 94, RT	35	6-IN MEDIAN WIDENING 8.0'
0010	4C	486+00	-	496+00	WB 94, RT	540	6-IN MEDIAN WIDENING VAR. 8.0'-20.5'
0010	4C	496+33	-	505+70	WB 94, RT	360	6-IN TEMP EB ON RAMP XOVER
0010	4C	496+00	-	563+54	WB 94, RT	5235	6-IN MEDIAN WIDENING 20.5'
0010	4C	563+54	-	576+00	WB 94, RT	1040	6-IN MEDIAN XOVER
0010	5	468+00	-	473+17	EB 94, RT	145	6-IN WIDEN OUTSIDE SHLD.
0010	7A	572+60	-	660+00	XEB 94 , RT	3225	6-IN MILL/RESURFACE 10' SHLD
0010	7A	572+64	-	666+00	XWB 94, LT	3525	6-IN MILL/RESURFACE 10' SHLD
0010	7F	562+59	-	568+77	XEB 94, LT	500	6-IN MEDIAN XOVER
0010	7F	568+77	-	695+53	XEB 94, LT	7310	6-IN MEDIAN WIDENING 15.5'
0010	7F	702+35	-	708+52	XEB 94, LT	365	6-IN MEDIAN WIDENING 15.5'
0010	7F	708+52	-	724+19	XEB 94, LT	1035	6-IN MEDIAN XOVER
0010	7J	563+40	-	565+00	WB 94, RT	75	6-IN MEDIAN WIDENING VAR.
0010	7J	565+00	-	577+17	WB 94, RT	670	6-IN MEDIAN WIDENING 14.5'
0010	7J	577+17	-	590+69	WB 94, RT	695	6-IN MEDIAN WIDENING VAR. 14.5'-12.5'
0010	7J	590+69	-	660+19	WB 94, RT	3280	6-IN MEDIAN WIDENING 12.5'
0010	7J	660+19	-	679+06	WB 94, RT	960	6-IN MEDIAN WIDENING VAR. 12.5'-14.5'
0010	7J	679+06	-	695+16	WB 94, RT	885	6-IN MEDIAN WIDENING 14.5'
0010	8A	557+52	-	567+20	WB 94, RT	640	6-IN MEDIAN XOVER
0010	8A	707+54	-	717+39	WB 94, RT	915	6-IN MEDIAN XOVER
					TOTAL 0010	112030	

ASPHALTIC FLUMES

CATEGORY	STATION	LOCATION	465.0315 SY	REMARKS
0010	9+09	COUNTY Q, 20' LT	15	
0010	14+05	COUNTY Q, 24' LT	10	
0010	483+09	NW RAMP, 12' LT	17	
0010	484+00	NE RAMP, 23' LT	11	
0010	484+44	SE RAMP, 31' RT	15	
0010	484+53	SE RAMP, 20' LT	11	
		TOTAL 0010	79	

ASPHALTIC SHOULDER RUMBLE STRIPS

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	465.0400 LF	REMARKS
0010	6E	200+00	-	249+90	WB IH 94, LT	4984	OUTSIDE SHLD
0010	6E	207+00	-	316+35	WB IH 94, RT	10931	MEDIAN SHLD
0010	6E	318+23	-	391+14	WB IH 94, RT	7301	MEDIAN SHLD
0010	6E	393+13	-	482+72	WB IH 94, RT	8949	MEDIAN SHLD
0010	6E	485+01	-	557+00	WB IH 94, RT	7199	MEDIAN SHLD
0010	6E	207+00	-	244+60	EB IH 94, RT	3760	OUTSIDE SHLD
0010	6E	207+00	-	316+35	EB IH 94, LT	10932	MEDIAN SHLD
0010	6E	318+23	-	390+92	EB IH 94, LT	7260	MEDIAN SHLD
0010	6E	392+91	-	482+81	EB IH 94, LT	8975	MEDIAN SHLD
0010	6E	485+10	-	557+00	EB IH 94, LT	7194	MEDIAN SHLD
0010	9E	557+00	-	685+00	WB IH 94, RT	12784	MEDIAN SHLD
0010	9E	685+00	-	697+94	WB IH 94, RT	1294	MEDIAN SHLD
0010	9E	699+97	-	724+00	WB IH 94, RT	2403	MEDIAN SHLD
0010	9E	557+00	-	685+00	EB IH 94, LT	12603	MEDIAN SHLD
0010	9E	685+00	-	697+80	EB IH 94, LT	1280	MEDIAN SHLD
0010	9E	699+82	-	724+00	EB IH 94, LT	2418	MEDIAN SHLD
					TOTAL 0010	110267	

ICE HOT WEATHER CONCRETING

CATEGORY	STATION	TO	STATION	LOCATION	501.1000.S LB	REMARKS
0010	316+50	-	318+08	IH 94 WB	4860	B-55-247
0010	316+50	-	318+08	IH 94 EB	5063	B-55-248
0010	391+28	-	392+94	IH 94 WB	6353	B-55-245
0010	391+11	-	392+76	IH 94 EB	6353	B-55-246
0010	482+89	-	484+86	IH 94 WB	9360	B-17-215
0010	482+95	-	484+93	IH 94 EB	9360	B-17-214
				TOTAL 0010	41349	

CULVERT PIPE TEMPORARY 15-INCH

			INLET			OUTLET				520.2015 CULVERT PIPE TEMPORARY 15-INCH	*522.1015 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH	
CATEGORY	STAGE	PIPE NAME	STATION	OFFSET	ELEV. (FT)	STATION	OFFSET	ELEV. (FT)	SLOPE %	(LF)	(EACH)	REMARKS
0010	7F	4	161+50.00	'WBS7' 13.0' LT	905.55	161+92.64	'WBS7' 17.9' RT	905.29	0.49%	53	1	
0010	8A	4	155+50.00	'EBS8' 8.6' RT	917.82	155+50.00	'EBS8' 18.1' LT	917.15	2.52%	27	2	
									TOTAL 0010	79	3	

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CULVERT PIPE TEMPORARY 18-INCH

CATEGORY	STAGE	INLET STATION	INLET OFFSET	INLET ELEV. (FT)	OUTLET STATION	OUTLET OFFSET	OUTLET ELEV. (FT)	SLOPE %	520.2018 CULVERT PIPE TEMPORARY 18-INCH (LF)	*522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH (EACH)	REMARKS
0010	1	476+01.32'XEB'	56.3' RT	1212.10	477+27.95'XEB'	84.7' RT	1210.83	0.98%	130	1	
0010	2	219+00.00'WB'	15.0' RT	1216.50	214+65.16'EB'	15.0' LT	1214.33	0.50%	435	1	
0010	2	222+09.67'WB'	25.4' RT	1219.00	221+99.67'WB'	25.6' RT	1218.50	5.00%	10	-	
0010	2	222+09.67'WB'	17.5' RT	1220.80	222+09.67'WB'	25.4' RT	1219.50	16.43%	8	-	
0010	2	229+07.28'WB'	27.3' RT	1222.00	228+97.27'WB'	27.4' RT	1221.50	5.00%	10	-	
0010	2	229+07.28'WB'	17.5' RT	1225.00	229+07.28'WB'	27.3' RT	1223.50	15.24%	10	-	
0010	2	236+62.03'WB'	26.8' RT	1227.50	236+52.02'WB'	27.0' RT	1227.00	5.00%	10	-	
0010	2	236+62.03'WB'	17.9' RT	1229.35	236+62.03'WB'	26.8' RT	1228.00	15.13%	9	-	
0010	2	245+47.78'WB'	27.6' RT	1232.00	245+35.79'WB'	27.7' RT	1231.00	8.33%	12	-	
0010	2	245+47.78'WB'	17.6' RT	1235.40	245+47.78'WB'	27.6' RT	1232.00	34.23%	10	-	
0010	2	251+11.80'WB'	28.0' RT	1237.00	250+99.80'WB'	28.0' RT	1236.00	8.33%	12	-	
0010	2	251+11.74'WB'	18.1' RT	1239.20	251+11.80'WB'	28.0' RT	1237.10	21.30%	10	-	
0010	2	257+13.97'WB'	29.6' RT	1242.55	257+01.99'WB'	29.7' RT	1241.55	8.33%	12	-	
0010	2	257+13.94'WB'	19.6' RT	1243.50	257+13.97'WB'	29.6' RT	1242.65	8.48%	10	-	
0010	2	264+89.17'WB'	32.4' RT	1248.20	265+01.17'WB'	32.3' RT	1248.00	1.67%	12	-	
0010	2	264+89.15'WB'	28.4' RT	1248.89	264+89.17'WB'	32.4' RT	1248.30	15.00%	4	-	
0010	2	66+54.86'TC3A'	7.6' LT	1256.80	66+00.43'TC3A'	23.5' RT	1256.50	0.48%	63	-	
0010	2	272+10.86'WB'	33.4' RT	1252.70	271+98.85'WB'	33.5' RT	1252.50	1.67%	12	-	
0010	2	272+10.78'WB'	22.3' RT	1255.10	272+10.86'WB'	33.4' RT	1252.80	20.76%	11	-	
0010	2	282+89.63'WB'	33.3' RT	1257.00	282+99.64'WB'	33.3' RT	1256.30	7.00%	10	-	
0010	2	282+89.56'WB'	22.3' RT	1260.00	282+89.63'WB'	33.3' RT	1257.10	26.37%	11	-	
0010	2	290+85.89'WB'	38.3' RT	1257.00	290+97.89'WB'	38.2' RT	1256.40	5.00%	12	-	
0010	2	290+85.94'WB'	22.3' RT	1258.50	290+85.89'WB'	38.3' RT	1257.10	8.75%	16	-	
0010	2	297+07.42'WB'	40.5' RT	1255.00	296+97.44'WB'	40.4' RT	1254.50	5.00%	10	-	
0010	2	297+07.42'WB'	14.1' RT	1259.75	297+07.42'WB'	40.5' RT	1255.10	17.59%	26	-	
0010	2	297+08.82'EB'	13.8' LT	1259.33	297+07.42'WB'	40.5' RT	1255.10	17.29%	24	-	
0010	2	304+90.87'WB'	44.1' RT	1253.50	305+00.88'WB'	44.0' RT	1253.00	5.00%	10	-	
0010	2	304+90.94'WB'	24.1' RT	1255.40	304+90.87'WB'	44.1' RT	1254.00	7.01%	20	-	
0010	2	304+92.16'EB'	21.7' LT	1256.40	304+90.87'WB'	44.1' RT	1254.00	9.23%	26	-	
0010	2	310+87.86'WB'	46.9' RT	1246.50	310+99.87'WB'	46.8' RT	1245.50	8.33%	12	-	
0010	2	310+87.95'WB'	24.9' RT	1253.00	310+87.86'WB'	46.9' RT	1249.80	14.50%	22	-	
0010	2	310+89.56'EB'	27.3' LT	1254.00	310+87.86'WB'	46.9' RT	1249.80	16.36%	26	-	
0010	2	316+37.67'WB'	44.6' RT	1240.00	316+47.69'WB'	44.5' RT	1239.00	9.97%	10	-	
0010	2	316+37.48'WB'	18.0' RT	1248.40	316+37.67'WB'	44.6' RT	1244.00	16.51%	27	-	
0010	2	316+37.67'EB'	22.9' LT	1249.89	316+37.67'WB'	44.6' RT	1244.00	18.12%	32	-	
0010	2	325+89.53'WB'	42.1' RT	1228.00	325+99.54'WB'	42.0' RT	1226.90	11.00%	10	-	
0010	2	325+89.53'WB'	19.3' RT	1231.45	325+89.53'WB'	42.1' RT	1228.10	14.72%	23	-	

(CONTINUED ON NEXT SHEET)

CULVERT PIPE TEMPORARY 18-INCH (CONT'D.)

		INLET			OUTLET				520.2018 CULVERT PIPE TEMPORARY 18-INCH	*522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH	
CATEGORY	STAGE	STATION	OFFSET	ELEV. (FT)	STATION	OFFSET	ELEV. (FT)	SLOPE %	(LF)	(EACH)	REMARKS
0010	2	325+89.54'EB'	25.3' LT	1233.25	325+89.53'WB'	42.1' RT	1228.10	15.80%	33	-	
0010	2	333+88.82'WB'	38.4' RT	1209.00	333+98.82'WB'	38.3' RT	1208.00	10.00%	10	-	
0010	2	333+88.64'WB'	20.6' RT	1214.90	333+88.82'WB'	38.4' RT	1212.00	16.31%	18	-	
0010	2	333+88.82'EB'	28.0' LT	1217.00	333+88.82'WB'	38.4' RT	1212.00	14.87%	34	-	
0010	2	341+87.81'WB'	40.1' RT	1197.00	341+99.73'WB'	40.0' RT	1196.50	4.17%	12	-	
0010	2	341+87.72'WB'	25.3' RT	1199.90	341+87.81'WB'	40.1' RT	1197.10	18.90%	15	-	
0010	2	341+87.73'EB'	27.1' LT	1200.50	341+87.81'WB'	40.1' RT	1197.10	10.37%	33	-	
0010	2	353+97.43'WB'	46.8' RT	1185.00	354+07.52'WB'	46.8' RT	1183.80	11.94%	10	-	
0010	2	353+97.36'WB'	23.3' RT	1190.00	353+97.43'WB'	46.8' RT	1185.10	20.87%	23	-	
0010	2	353+88.75'EB'	27.7' LT	1190.10	353+97.43'WB'	46.8' RT	1185.10	19.59%	26	-	
0010	2	358+02.27'WB'	48.2' RT	1184.00	358+12.31'WB'	48.3' RT	1183.00	10.00%	10	-	
0010	2	358+02.27'WB'	24.4' RT	1189.00	358+02.27'WB'	48.2' RT	1185.00	16.77%	24	-	
0010	2	357+90.09'EB'	24.1' LT	1189.10	358+02.27'WB'	48.2' RT	1185.00	14.80%	28	-	
0010	2	365+75.97'WB'	50.3' RT	1184.00	365+97.62'WB'	50.3' RT	1183.00	8.58%	12	-	
0010	2	365+85.90'WB'	26.5' RT	1188.81	365+75.97'WB'	50.3' RT	1186.00	11.79%	24	-	
0010	2	365+85.97 'EB'	26.8' LT	1188.70	365+75.97'WB'	50.3' RT	1186.00	11.80%	23	-	
0010	2	377+08.64'WB'	53.0' RT	1191.00	376+98.57'WB'	53.1' RT	1189.10	18.87%	10	-	
0010	2	377+08.64'WB'	25.1' RT	1193.40	377+08.64'WB'	53.0' RT	1191.50	6.80%	28	-	
0010	2	377+08.64'EB'	24.7' LT	1193.15	377+08.64'WB'	53.0' RT	1191.50	7.41%	22	-	
0010	2	383+09.18'WB'	52.5' RT	1191.00	382+97.18'WB'	52.6' RT	1190.00	8.34%	12	-	
0010	2	383+09.18'WB'	26.5' RT	1198.80	383+09.18'WB'	52.5' RT	1195.00	14.61%	26	-	
0010	2	383+09.18'EB'	25.0' LT	1198.30	383+09.18'WB'	52.5' RT	1195.00	14.67%	22	-	
0010	2	403+95.32'WB'	45.3' RT	1199.00	404+05.25'WB'	45.3' RT	1197.85	11.67%	10	-	
0010	2	399+49.88'EB'	11.4' LT	1209.30	403+95.32'WB'	45.3' RT	1199.00	2.35%	439	1	
0010	2	413+72.44'WB'	33.0' RT	1175.00	413+84.49'WB'	32.4' RT	1173.50	12.50%	12	-	
0010	2	413+72.30'WB'	27.0' RT	1177.10	413+72.44'WB'	33.0' RT	1176.50	10.08%	6	-	
0010	2	420+62.74'WB'	25.1' RT	1155.50	420+74.75'WB'	24.7' RT	1154.00	12.54%	12	-	
0010	2	420+62.50'WB'	15.2' RT	1157.75	420+62.74'WB'	25.1' RT	1156.25	15.15%	10	-	
0010	2	426+54.61'WB'	25.8' RT	1136.00	426+66.57'WB'	25.8' RT	1135.00	8.36%	12	-	
0010	2	426+54.61'WB'	16.7' RT	1139.20	426+54.61'WB'	25.8' RT	1138.20	10.97%	9	-	
0010	2	437+10.05'WB'	25.5' RT	1119.50	436+99.98'WB'	25.4' RT	1118.00	14.89%	10	-	
0010	2	437+10.05'WB'	16.8' RT	1121.70	437+10.05'WB'	25.5' RT	1120.50	13.76%	9	-	
0010	2	444+87.87'WB'	25.8' RT	1129.00	444+75.87'WB'	25.8' RT	1128.00	8.33%	12	-	
0010	2	444+87.87'WB'	15.8' RT	1132.10	444+87.87'WB'	25.8' RT	1130.50	16.01%	10	-	
0010	2	451+64.91'WB'	25.7' RT	1150.00	451+52.91'WB'	25.8' RT	1148.50	12.50%	12	-	
0010	2	451+64.91'WB'	10.0' RT	1152.80	451+64.91'WB'	25.7' RT	1150.00	17.91%	16	-	
0010	2	496+93.55'WB'	21.6' RT	1216.90	498+33.34'WB'	13.0' RT	1216.00	0.64%	140	-	
0010	2	251+26.64'WBS3'	19.9' LT	1165.50	453+51.77'WB'	17.7' RT	1117.84	15.80%	302	-	TAP INTO EXIST 4X4 RCBC
0010	2	501+91.84'WB'	25.2' RT	1209.00	502+01.85'WB'	25.0' RT	1208.00	9.99%	10	-	
0010	2	501+91.84'WB'	13.4' RT	1212.50	501+91.84'WB'	25.2' RT	1209.50	25.46%	12	-	

(CONTINUED ON NEXT SHEET)

CULVERT PIPE TEMPORARY 18-INCH (CONT'D.)

		INLET			OUTLET				520.2018 CULVERT PIPE TEMPORARY 18-INCH	*522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH	
CATEGORY	STAGE	STATION	OFFSET	ELEV. (FT)	STATION	OFFSET	ELEV. (FT)	SLOPE %	(LF)	(EACH)	REMARKS
0010	2	507+81.64'WB'	23.1' RT	1201.00	507+93.70'WB'	23.2' RT	1200.00	8.33%	12	-	
0010	2	507+81.56'WB'	13.2' RT	1204.70	507+81.64'WB'	23.1' RT	1203.00	17.11%	10	-	
0010	2	515+90.86'WB'	24.6' RT	1192.50	516+00.86'WB'	24.5' RT	1191.20	13.00%	10	-	
0010	2	515+90.82'WB'	14.3' RT	1195.10	515+90.86'WB'	24.6' RT	1193.50	15.66%	10	-	
0010	2	525+12.01'WB'	24.9' RT	1185.00	524+99.75'WB'	25.2' RT	1184.00	8.16%	12	-	
0010	2	525+12.00'WB'	16.8' RT	1187.40	525+12.01'WB'	24.9' RT	1185.80	19.64%	8	-	
0010	2	533+59.32'WB'	25.6' RT	1188.50	533+49.34'WB'	25.5' RT	1187.50	10.02%	10	-	
0010	2	533+59.32'WB'	17.5' RT	1190.90	533+59.32'WB'	25.6' RT	1189.50	17.26%	8	-	
0010	2	542+08.73'WB'	27.4' RT	1195.00	541+96.50'WB'	27.3' RT	1193.50	12.20%	12	-	
0010	2	542+08.73'WB'	18.3' RT	1197.20	542+08.73'WB'	27.4' RT	1195.50	18.76%	9	-	
0010	2	552+17.07'WB'	27.5' RT	1198.50	552+07.11'WB'	27.5' RT	1197.50	9.99%	10	-	
0010	2	552+17.07'WB'	17.5' RT	1201.90	552+17.07'WB'	27.5' RT	1199.90	19.98%	10	-	
0010	2	560+83.35'WB'	25.3' RT	1202.50	560+73.44'WB'	25.4' RT	1201.50	10.09%	10	-	
0010	2	560+83.35'WB'	17.6' RT	1204.70	560+83.35'WB'	25.3' RT	1203.00	22.10%	8	-	
0010	2	571+43.86'EB'	26.1' LT	1200.33	571+33.94'EB'	26.1' LT	1199.60	7.36%	10	-	
0010	2	571+43.86'EB'	19.2' LT	1203.75	571+43.86'EB'	26.1' LT	1200.33	50.08%	7	-	
0010	4	217+49.48'EB'	12.2' LT	1216.50	214+12.71'WB'	17.9' RT	1214.00	0.74%	337	-	
0010	4	222+09.73'EB'	15.6' LT	1222.75	222+09.67'EB'	24.6' LT	1219.00	41.99%	9	1	
0010	4	232+00.00'EB'	18.5' LT	1227.00	229+07.28'EB'	22.7' LT	1222.00	1.71%	293	-	
0010	4	236+62.07'EB'	17.5' LT	1230.30	236+62.03'EB'	23.2' LT	1228.00	40.07%	6	-	
0010	4	245+47.95'EB'	14.4' LT	1235.60	245+47.86'EB'	22.4' LT	1232.00	44.44%	8	-	
0010	4	251+20.41'EB'	16.9' LT	1240.90	251+11.80'EB'	22.0' LT	1237.10	37.68%	10	-	
0010	4	257+23.94'EB'	19.3' LT	1245.50	257+14.00'EB'	20.5' LT	1242.65	28.26%	10	-	
0010	4	264+79.70'EB'	24.2' LT	1251.50	264+89.17'EB'	27.6' LT	1248.30	31.73%	10	-	
0010	4	272+19.06'EB'	20.9' LT	1257.25	272+10.86'EB'	26.6' LT	1252.80	44.42%	10	-	
0010	4	65+00'TD5A'	9.5' RT	1253.50	65+00'TD5A'	22.4' LT	1253.30	0.62%	32	1	
0010	4	282+80.94'EB'	21.6' LT	1263.50	282+89.63'EB'	26.7' LT	1257.00	64.10%	10	-	
0010	4	288+01.09'EB'	26.9' LT	1259.80	290+86.93'EB'	30.1' LT	1257.00	0.98%	286	-	
0010	4	403+85.16'EB'	22.2' LT	1203.50	403+85.47'EB'	43.7' LT	1199.10	20.40%	22	-	
0010	4	403+85.77'EB'	72.5' LT	1204.00	403+85.77'EB'	54.5' LT	1201.50	13.89%	18	-	
0010	4	413+49.02'EB'	22.5' LT	1177.00	413+49.25'EB'	35.5' LT	1176.50	3.85%	13	-	
0010	4	412+40.00'EB'	62.8' LT	1181.00	413+49.25'EB'	35.5' LT	1176.50	3.95%	114	-	
0010	4	420+32.17'EB'	18.2' LT	1156.85	420+32.30'EB'	27.2' LT	1156.25	6.67%	9	-	
0010	4	426+54.60'EB'	16.2' LT	1139.20	426+54.60'EB'	24.2' LT	1138.20	12.60%	8	-	
0010	4	437+10.05'EB'	16.5' LT	1121.20	437+10.05'EB'	24.5' LT	1120.50	8.75%	8	-	
0010	4	444+87.86'EB'	16.3' LT	1131.60	444+87.86'EB'	24.2' LT	1130.50	13.90%	8	-	
0010	4	451+64.90'EB'	16.5' LT	1151.70	451+64.90'EB'	24.3' LT	1150.50	15.37%	8	-	
0010	4	501+91.84'EB'	22.1' LT	1211.97	501+91.84'EB'	34.8' LT	1209.50	19.37%	13	-	
0010	4	507+78.32'EB'	25.1' LT	1203.50	507+78.38'EB'	34.1' LT	1203.00	5.56%	9	-	
0010	4	515+87.12'EB'	17.5' LT	1193.70	515+87.19'EB'	25.5' LT	1193.50	2.50%	8	-	
0010	4	525+12.00'EB'	16.3' LT	1187.80	525+12.00'EB'	25.1' LT	1185.80	22.83%	9	-	
0010	4	533+59.31'EB'	16.6' LT	1191.00	533+59.31'EB'	24.4' LT	1189.50	19.09%	8	-	
0010	4	542+13.84'EB'	15.2' LT	1198.00	542+13.84'EB'	22.6' LT	1195.50	33.76%	7	-	
0010	4	552+31.07'EB'	16.0' LT	1203.00	552+31.07'EB'	22.5' LT	1199.90	47.99%	6	-	
0010	4	560+83.35'EB'	15.9' LT	1205.00	560+83.35'EB'	24.7' LT	1203.00	22.76%	9	-	
							TOTAL 0010		4065	5	

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

15-INCH CONCRETE PIPE EXTENSIONS

CATEGORY	STAGE	STATION	LOCATION	*520.8000 CONCRETE COLLARS FOR PIPE (EACH)	522.0115 CULVERT PIPE REINFORCED CONCRETE CLASS III 15-INCH (LF)	*522.1015 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH (EACH)
0010	3	316+50'WB'	88' LT	1	20	1
	3	326+00'WB'	62' LT	1	6	1
0010	5	283+00'EB'	53' RT	1	8	1
		TOTAL 0010		3	34	3

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

18-INCH CONCRETE PIPE EXTENSIONS

CATEGORY	STAGE	STATION	LOCATION	*520.8000 CONCRETE COLLARS FOR PIPE (EACH)	*522.0118 CULVERT PIPE REINFORCED CONCRETE CLASS III 18-INCH (LF)	*522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH (EACH)
0010	3	533+50'WB'	62' LT	1	2	1
	3	552+07'WB'	55' LT	1	-	1
0010	5	492+02'EB'	84' RT	1	4	1
0010	8E-H	668+98'EB'	74' RT	1	2	1
		TOTAL 0010		4	8	4

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

24-INCH CONCRETE PIPE EXTENSIONS

CATEGORY	STAGE	STATION	LOCATION	*520.8000 CONCRETE COLLARS FOR PIPE (EACH)	*522.0124 CULVERT PIPE REINFORCED CONCRETE CLASS III 24-INCH (LF)	*522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH (EACH)
0010	3	311+00'WB'	82' LT	1	14	1
0010	5	542+02'EB'	59' RT	1	3	1
0010	7F	607+20'EB'	28' LT	1	4	1
		TOTAL 0010		3	21	3

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

30-INCH CONCRETE PIPE EXTENSIONS

CATEGORY	STAGE	STATION	LOCATION	*520.8000 CONCRETE COLLARS FOR PIPE (EACH)	*522.0130 CULVERT PIPE REINFORCED CONCRETE CLASS III 30-INCH (LF)	*522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH (EACH)
0010	1	245+36'EB'	71' RT	1	2	1
0010	3	286+65'WB'	60' LT	1	18	1
	3	552+94'WB'	81' LT	1	6	1
0010	5	286+64'EB'	78' RT	1	10	1
0010	7J-M	604+26'WB'	102' RT	1	-	1
	7J-M	620+63'WB'	61' LT	1	5	1
	7J-M	620+63'WB'	57' RT	1	10	1
	7J-M	632+30'WB'	60' RT	1	4	1
		TOTAL 0010		8	55	8

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

36-INCH CONCRETE PIPE EXTENSIONS

CATEGORY	STAGE	STATION	LOCATION	*520.8000 CONCRETE COLLARS FOR PIPE (EACH)	522.0136 CULVERT PIPE REINFORCED CONCRETE CLASS III 36-INCH (LF)	522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH (EACH)
0010	1	481+50'XEB'	117' RT	1	16	-
0010	3	313+98'WB'	97' LT	1	6	1
	3	481+91'WB'	86' LT	1	14	1
	3	519+55'WB'	100' LT	1	6	1
0010	5	313+55'EB'	98' RT	1	8	1
0010	7J-M	611+79'WB'	136' RT	1	-	1
	7J-M	616+05'WB'	123' RT	1	-	1
		TOTAL 0010		7	50	6

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

18-INCH CULVERT PIPE REINFORCED CONCRETE

CATEGORY	STAGE	INLET STATION	INLET ELEVATION	OUTLET STATION	OUTLET ELEVATION	SLOPE %	*522.0118 CULVERT PIPE REINFORCED CONCRETE CLASS III 18-INCH (LF)	*522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH (EACH)
0010	3	467+95.0'WB', 28.7' RT	1197.40	467+95.0'WB', 63.3' LT	1196.90	0.6%	86	1
0010	5	476+02.0'EB', 26.0' LT	1212.80	476+02.0'EB', 58.0' RT	1212.30	0.6%	78	1
0010	6	265+91.0'EB', 30.0' LT	1248.45	265+01.0'EB', 23.0' LT	1248.00	0.5%	90	--
					TOTAL 0010		254	2

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

24-INCH CULVERT PIPE REINFORCED CONCRETE

CATEGORY	STAGE	INLET STATION	INLET ELEVATION	OUTLET STATION	OUTLET ELEVATION	SLOPE %	*522.0124 CULVERT PIPE REINFORCED CONCRETE CLASS III 24-INCH (LF)	*522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH (EACH)	REMARKS
0010	3	265+01.0'WB', 46.0' LT	1251.00	265+01.0'WB', 37.0' RT	1248.00	3.9%	77	1	
0010	3	404+05.25'WB', 45.3' RT	1197.70	404+05.25'WB', 76.7' LT	1197.20	0.4%	116	1	
0010	3	460+01.1'WB', 26.1' RT	1171.65	460+01.1'WB', 89.9' LT	1167.30	4.0%	110	1	
0010	3	560+73.4'WB', 27.0' RT	1201.10	560+73.4'WB', 73.0' LT	1198.90	2.3%	94	1	
0010	3	481+86.0'NW', 29.0' LT	1207.50	481+86.0'NW', 43.0' RT	1206.00	2.5%	60	2	NW RAMP, Q INTCHG
0010	3	484+08.6'NE', 46.0' LT	1210.00	484+08.6'NE', 38.0' RT	1208.00	2.8%	72	2	NE RAMP, Q INTCHG
0010	5	265+01.0'EB', 23.0' LT	1248.00	265+01.0'EB', 56.0' RT	1247.50	0.7%	73	1	
0010	5	296+98.5'EB', 38.0' LT	1254.90	296+98.5'EB', 70.0' RT	1252.40	2.5%	102	1	
0010	5	426+66.5'EB', 48.0' RT	1138.50	426+66.5'EB', 25.0' LT	1132.50	9.0%	67	1	
0010	5	437+00.0'EB', 25.0' LT	1118.40	437+00.0'EB', 58.0' RT	1118.00	0.5%	77	1	
0010	5	451+53.0'EB', 25.0' LT	1147.00	451+53.0'EB', 76.0' RT	1144.00	3.2%	95	1	
0010	5	485+03.0'SE', 34.0' LT	1201.00	485+03.0'SE', 30.0' RT	1199.60	2.7%	52	2	SE RAMP, Q INTCHG
0010	7	571+35.0'WB', 27.0' RT	1199.50	571+35.0'WB', 69.0' LT	1197.60	2.1%	90	1	
					TOTAL 0010		1085	16	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

30-INCH CULVERT PIPE REINFORCED CONCRETE

CATEGORY	STAGE	INLET STATION	INLET ELEVATION	OUTLET STATION	OUTLET ELEVATION	SLOPE %	*520.8000 CONCRETE COLLARS FOR PIPE (EACH)	*522.0130 CULVERT PIPE REINFORCED CONCRETE CLASS III 30-INCH (LF)	*522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH (EACH)	REMARKS
0010	3	426+66.5'WB', 25.0' RT	1132.50	426+66.5'WB', 79.0' LT	1131.80	0.7%	--	98	1	
0010	3/5	11+27.0, 36.0' RT	1194.30	8+89.0, 36.0' RT	1191.30	1.3%	--	226	2	50TH AVENUE
0010	7J-M	582+99.62'WB', 42.4' LT	1171.30	583+03.15'WB', 39.7' RT	1166.80	5.5%	1	82	1	CONNECT TO EXISTING MEDIAN INLET
					TOTAL 0010		1	406	4	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

CLEANING CULVERT PIPES

CATEGORY	STAGE	STATION	LOCATION	520.8700 EACH	REMARKS
0010	3	502+02	WB IH 94	1	18" X 80' CMCP
0010	5	283+00	EB IH 94	1	18" X 78' CMCP W/12" LINER
			TOTAL 0010	2	

72-INCH PIPE STRUCTURAL PLATE EXTENSIONS

CATEGORY	STAGE	STATION	LOCATION	*520.8000 CONCRETE COLLARS FOR PIPE (EACH)	527.0172 PIPE STRUCTURAL PLATE 72-INCH (LF)	521.1072 APRON ENDWALLS FOR CULVERT PIPE STEEL 72-INCH (EACH)
0010	7F	623+25'EB'	48' LT	1	8	1
			TOTAL 0010	1	8	1

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

CONCRETE CURB TYPE G

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	601.0115 LF	REMARKS
0010	3	483+61	-	483+83	NE RAMP, LT	55	ISLAND
0010	5	484+09	-	484+31	SW RAMP, RT	54	ISLAND
					TOTAL 0010	109	

CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	601.0555 LF	REMARKS
0010	3	483+10	-	483+60	NW RAMP, LT	76	NW RADIUS AT CTH Q
0010	3	483+35	-	483+60	NW RAMP, RT	36	SW RADIUS AT CTH Q
0010	3	483+64	-	484+00	NE RAMP, LT	61	NE RADIUS AT CTH Q
0010	5	483+93	-	484+30	SW RAMP, RT	57	SW RADIUS AT CTH Q
0010	5	484+27	-	484+52	SE RAMP, LT	36	NE RADIUS AT CTH Q
0010	5	484+27	-	484+79	SE RAMP, RT	81	SE RADIUS AT CTH Q
					TOTAL 0010	347	

CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBT

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	601.0588 LF	REMARKS
0010	3	318+08	-	318+48	WB IH 94, LT	40	B-55-247
0010	3	390+95	-	391+35	WB IH 94, LT	40	B-55-245
0010	5	318+08	-	318+48	EB IH 94, RT	40	B-55-248
0010	5	390+65	-	391+05	EB IH 94, RT	40	B-55-246
0010	5	482+61	-	483+01	EB IH 94, RT	40	B-17-214
0010	6	318+08	-	318+48	EB IH 94, LT	40	B-55-248
0010	6	318+08	-	318+48	WB IH 94, RT	40	B-55-247
0010	6	390+75	-	391+15	EB IH 94, LT	40	B-55-246
0010	6	390+84	-	391+25	WB IH 94, RT	40	B-55-245
0010	6	482+44	-	482+84	WB IH 94, LT	40	B-17-215
0010	6	482+51	-	482+91	WB IH 94, RT	40	B-17-215
0010	6	482+55	-	482+95	EB IH 94, LT	40	B-17-214
					TOTAL 0010	480	

CONCRETE SIDEWALK 4-INCH

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	602.0405 SF	REMARKS
0010	3	483+61	-	483+83	NE RAMP, LT	108	ISLAND
0010	5	484+09	-	484+31	SW RAMP, RT	106	ISLAND
					TOTAL 0010	214	

CONCRETE BARRIER TYPE S42

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	603.1142 LF	REMARKS
0010	3	576+10	-	576+70	WB IH 94, 33.7' LT	60	B-17-20 COLUMNN PROTECTION
0010	5	576+10	-	576+75	EB IH 94, 33.7' RT	65	B-17-20 COLUMNN PROTECTION
					TOTAL 0010	125	

3

CONCRETE BARRIER TEMPORARY ITEMS

CATEGORY	STAGE	STATION	-	STATION	LOCATION	603.8000 CONCRETE BARRIER TEMPORARY DELIVERED (LF)	603.8125 PRECAST INSTALLED (LF)
0010	1	474+75'XEB'	-	492+00'XEB'	OUTSIDE	1725	1725
0010	2G	208+00'XWB'	-	235+50'XWB'	MEDIAN	2750	2750
	2G	5+00'EBS2'	-	30+75'EBS2'	MEDIAN	2575	2575
	2G	236+50'XWB'	-	292+00'XWB'	MEDIAN	5546	5546
	2G	31+75'EBS2'	-	87+25'EBS2'	MEDIAN	5550	5550
	2G	88+50'EBS2'	-	221+25'EBS2'	MEDIAN	13284	13284
	2G	293+75'XWB'	-	426+60'XWB'	MEDIAN	13292	13292
	2G	427+40'XWB'	-	443+80'XWB'	MEDIAN	1640	1640
	2G	222+00'EBS2'	-	238+35'EBS2'	MEDIAN	1625	1625
	2G	239+20'EBS2'	-	310+90'EBS2'	MEDIAN	5628	7166
	2G	444+75'XWB'	-	516+00'XWB'	MEDIAN	7123	7123
	2G	270+00'ESB2'	-	285+00'EBS2'	OUTSIDE	1500	1500
	2G	517+00'XWB'	-	564+00'XWB'	MEDIAN	4694	4694
	2G	311+90'EBS2'	-	359+25'EBS2'	MEDIAN	4730	4730
	2G	565+50'XWB'	-	580+00'XWB'	MEDIAN	1450	1450
	2G	360+50'EBS2'	-	370+00'EBS2'	MEDIAN	950	950
0010	3	3+92'WBS3'	-	13+77'WBS3'	RT	612	984
	3	5+82'WBS3'	-	88+50'WBS3'	LT	3698	8268
	3	64+35'TC3A'	-	88+72'TC3A'	LT	2436	2436
	3	66+50'TC3A'	-	88+17'TC3A'	RT	120	2172
	3	30+75'EBS3'	-	31+75'EBS3'	LT	100	100
	3	83+00'WBS3'	-	200+00'WBS3'	RT	11692	11692
	3	87+25'EBS3'	-	88+50'EBS3'	LT	125	125
	3	88+72'TC3A'	-	255+00'TNW3'	LT	11465	16650
	3	221+25'EBS3'	-	222+10'EBS3'	LT	85	85
	3	238+35'EBS3'	-	239+20'EBS3'	LT	85	85
	3	250+46'TNW3'	-	254+03'TNW3'	RT	356	356
	3	250+35'TNW3'	-	292+47'TNW3'	LT	4205	4205
	3	278+13'WBS3'	-	298+55'WBS3'	RT	200	2042
	3	286+00'TNE3'	-	292+30'TNE3'	RT	240	630
	3	283+42'TNE3'	-	296+00'TNE3'	LT	890	1257
	3	296+00'WBS3'	-	365+00'WBS3'	LT	250	6899
	3	311+09'WBS3'	-	312+09'WBS3'	RT	100	100
	3	358+42'WBS3'	-	370+90'WBS3'	RT	125	1248
0010	3B	65+13'TC3B'	-	91+04'TC3B'	RT	0	2595
	3B	89+51'TC3B'	-	92+58'TC3B'	LT	153	307
	3B	88+50'WBS3'	-	91+19'WBS3'	LT	268	268
0010	4	205+00'XEB'	-	578+00'XEB'	LT	1211	37276
	4	0+00'WBS4'	-	371+96'WBS4'	RT	8138	37198
	4	247+95'WBS4'	-	254+68'WBS4'	LT	672	672
	4	452+56'XEB'	-	455+89'XEB'	RT	333	333
	4	273+50'WBS4'	-	282+88'WBS4'	LT	742	742
	4	475+00'XEB'	-	485+18'XEB'	RT	1020	1020

CONCRETE BARRIER TEMPORARY ITEMS (CONT'D.)

CATEGORY	STAGE	STATION	-	STATION	LOCATION	603.8000 CONCRETE BARRIER TEMPORARY DELIVERED (LF)	603.8125 PRECAST INSTALLED (LF)
0010	5	5+00'EBS5'	-	15+35'EBS5'	LT	0	1035
	5	25+00'EBS5'	-	85+34'EBS5'	RT	1912	6038
	5	60+48'TD5A'	-	85+36'TD5A'	LT	872	2492
	5	60+48'TD5A'	-	98+98'TD5A'	RT	2200	3850
	5	89+45'EBS5'	-	216+83'EBS5'	LT	12175	12746
	5	98+98'EBS5'	-	366+00'EBS5'	RT	2852	26519
	5	358+29'EBS5'	-	370+77'EBS5'	LT	0	1248
0010	5B	62+78'TD5B'	-	89+94'TD5B'	LT	320	2721
	5B	85+34'EBS5'	-	89+92'EBS5'	RT	221	458
	5B	87+00'TD5B'	-	90+83'TD5B'	RT	382	382
0010	6	1+00'EBS6'	-	30+60'EBS6'	LT	2033	2961
	6	3+00'WBS6'	-	15+33'WBS6'	RT	565	1233
	6	31+48'EBS6'	-	87+50'EBS6'	LT	2266	5602
	6	45+94'WBS6'	-	57+74'WBS6'	RT	0	1181
	6	88+40'EBS6'	-	221+09'EBS6'	LT	12113	13280
	6	93+55'WBS6'	-	217+14'WBS6'	RT	0	12350
	6	221+97'EBS6'	-	238+25'EBS6'	LT	0	1628
	6	239+12'EBS6'	-	310+78'EBS6'	LT	6235	7162
	6	249+11'WBS6'	-	290+97'WBS6'	RT	0	4194
	6	311+60'EBS6'	-	368+00'EBS6'	LT	0	5636
	6	358+48'WBS6'	-	370+00'WBS6'	RT	344	1152
0010	7F	6+00'EBS7'	-	178+59'EBS7'	LT	15883	17256
0010	7J	7+00'WBS7P'	-	163+33'WBS7P'	LT	15640	15640
	7J	7+00'WBS7D'	-	145+75'WBS7D'	RT	13877	13877
0010	7M	9+10'WBS7D'	-	142+00'WBS7D'	RT	12958	13293
	7M	10+00'WBS7D'	-	138+65'WBS7D'	LT	0	12863
0010	8A	1+00'EBS7'	-	6+00'EBS7'	LT	500	500
	8A	4+00'WBS8'	-	12+50'WBS8'	RT	510	850
	8A	133+58'WBS8'	-	172+00'WBS8'	RT	2785	3843
0010	8E	2+00'EBS8D'	-	154+38'EBS8D'	RT	540	15240
	8E	9+00'EBS8D'	-	158+80'EBS8D'	LT	1024	2005
	8E	8+00'EBS8P'	-	160+70'EBS8P'	RT	15270	15270
0010	8H	8+50'EBS8D'	-	158+85'EBS8D'	LT	0	14591
0010	9B	554+00'EB'	-	582+00'EB'	LT	750	2800
	9B	703+00'EB'	-	723+00'EB'	LT	870	2000
					TOTAL 0010	248480	459241

RIPRAP LIGHT AND GEOTEXTILE FABRIC TYPE R

CATEGORY	STATION	LOCATION	606.0100 CY	645.0130 SY	REMARKS
0010	UNDDISTRIBUTED	IH 94, LT & RT	40	150	EMBANKMENT SEEPAGE
		TOTAL 0010	40	150	

RIPRAP HEAVY AND GEOTEXTILE FABRIC TYPE HR

CATEGORY	STAGE	STATION TO STATION	LOCATION	RIPRAP HEAVY 606.0300 CY	GEOTEXTILE TYPE HR 645.0120 SY	REMARKS
0010	3	311+00	WB IH 94 LT	8	20	
0010	3	314+00	WB IH 94 LT	12	30	
0010	3	316+50	WB IH 94 LT	5	15	
0010	3	318+24	WB IH 94 LT	2	8	
0010	3	325+99	WB IH 94 LT	5	15	
0010	3	391+19	WB IH 94 LT	3	10	
0010	3	404+05	WB IH 94 LT	5	15	
0010	3	459+99	WB IH 94 LT	5	15	
0010	3	482+76	WB IH 94 LT	2	8	
0010	3	519+53	WB IH 94 LT	12	30	
0010	3	533+50	WB IH 94 LT	5	15	
0010	3	552+07	WB IH 94 LT	5	15	
0010	3	552+94	WB IH 94 LT	9	24	
0010	3	560+73	WB IH 94 LT	5	15	
0010	5	265+01	EB IH 94 RT	8	20	
0010	5	286+64	EB IH 94 RT	10	25	
0010	5	318+24	EB IH 94 RT	3	10	
0010	5	390+88	EB IH 94 RT	3	10	
0010	5	476+02	EB IH 94 RT	5	15	
0010	5	542+01	EB IH 94 RT	8	20	
0010	5	560+53 - 561+11	EB IH 94 RT	35	80	
0010	6	318+24	EB IH 94 RT	6	15	
0010	6	391+03	EB IH 94 RT	15	35	
0010	6	482+76	EB IH 94 RT	10	25	
0010	9	604+25	WB IH 94 RT	10	25	
0010	9	611+80	WB IH 94 RT	15	30	
0010	9	616+08	WB IH 94 RT	15	30	
0010	9	620+62	WB IH 94 RT	10	25	
0010	9	632+35	WB IH 94 RT	10	25	
0010	1 THRU 9	254+50 - 685+00	UNDISTRIBUTED	54	125	
			TOTAL 0010	300	750	

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MEDIAN INLETS

CATEGORY	STAGE	STATION	** OFFSET	GRATE ELEVATION	INVERT ELEVATION	*** DEPTH	611.3901 INLETS MEDIAN 1 GRATE (EACH)	611.3902 INLETS MEDIAN 2 GRATE (EACH)	611.0642 INLET COVERS TYPE MS (EACH)
0010	1	481+48.26'XEB'	132.6' RT	1196.00	1185.80	10.20	--	1	2
0010	6	265+01.00'EB'	23.0' LT	1251.50	1248.00	3.50	--	1	2
0010	6	265+91.00'EB'	30.8' LT	1251.20	1248.45	2.75	--	1	2
0010	6	296+98.50'EB'	38.0' LT	1258.90	1254.90	4.00	--	1	2
0010	6	404+05.25'WB'	45.3' RT	1200.70	1197.70	3.00	--	1	2
0010	6	426+66.50'EB'	25.0' LT	1139.30	1132.50	6.80	--	1	2
0010	6	437+00.00'EB'	25.0' LT	1121.40	1118.40	3.00	--	1	2
0010	6	451+53.00'EB'	25.0' LT	1151.75	1147.00	4.75	--	1	2
0010	6	460+01.10'WB'	26.1' RT	1177.40	1171.65	5.75	--	1	2
0010	6	467+95.00'WB'	28.7' RT	1199.90	1197.40	2.50	1	--	1
0010	6	476+02.00'EB'	26.0' LT	1215.30	1212.80	2.50	1	--	1
0010	9	560+73.40'WB'	27.0' RT	1205.10	1201.10	4.00	--	1	2
0010	9	571+35.00'WB'	27.0' RT	1203.00	1199.50	3.50	--	1	2
					TOTAL 0010		2	11	24

** STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE
*** DEPTH = COVER ELEVATION - BOTTOM OF STRUCTURE ELEVATION

PIPE UNDERDRAIN 6-INCH

CATEGORY	STATION	TO	STATION	LOCATION	612.0106 LF	REMARKS
0010	207+00	-	685+00	UNDISTRIBUTED	6600	EMBANKMENT/SUBGRADE SEEPAGE
				TOTAL 0010	6600	

PIPE UNDERDRAIN UNPERFORATED 6-INCH

CATEGORY	STATION	TO	STATION	LOCATION	612.0206 LF	REMARKS
0010	207+00	-	685+00	UNDISTRIBUTED	2000	EMBANKMENT/SUBGRADE SEEPAGE
				TOTAL 0010	2000	

MEDIAN CABLE BARRIER

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	CABLE BARRIER TYPE 1 613.1100.S LF	CABLE BARRIER END TERMINAL TYPE 1 613.1200.S EACH	REMARKS
0010	6	236+38	-	292+35	WB IH 94, 15' RT	5593	2	
0010	6	293+55	-	316+25	WB IH 94, 15' RT	2270	2	OFFSET VARIES BEHIND GUARDRAIL
					TOTAL 0010	7863	4	
0090	6	318+33	-	390+92	WB IH 94, 15' RT	7266	2	OFFSET VARIES BEHIND GUARDRAIL
0090	6	393+22	-	426+50	WB IH 94, 15' RT	3322	2	OFFSET VARIES BEHIND GUARDRAIL
0090	6	427+50	-	443+95	WB IH 94, 15' RT	1645	2	
0090	6	444+85	-	482+75	EB IH 94, 15' LT	3800	2	OFFSET VARIES BEHIND GUARDRAIL
0090	6	485+05	-	515+85	WB IH 94, 15' RT	3084	2	OFFSET VARIES BEHIND GUARDRAIL
0090	9	517+00	-	564+30	EB IH 94, 15' LT	4733	2	
0090	9	565+60	-	586+00	EB IH 94, 15' LT	2040	2	
					TOTAL 0090	25890	14	
					PROJECT TOTAL	33753	18	

CRASH CUSHIONS TEMPORARY

CATEGORY	STAGE	STATION	LOCATION	614.0905 CRASH CUSHIONS TEMPORARY (EACH)	BACK WIDTH (FT)	OBJECT MARKING PATTERN	CRASH TEST LEVEL	TRAFFIC DIRECTION	TRAFFIC LOCATION	CRASH CUSHION SHIELDS
0010	1	474+75'XEB'	EB IH 94 RT	1	2	WO5-58R	TL-3	UNIDIRECTIONAL	LT	TEMP CONC BARRIER
0010	2G	5+00'EBS2'	EB IH 94 LT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	2G	235+50'XWB'	WB IH 94 RT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	2G	31+75'EBS2'	EB IH 94 LT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	2G	292+00'XWB'	WB IH 94 RT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	2G	88+50'EBS2'	EB IH 94 LT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	2G	426+60'XWB'	WB IH 94 RT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	2G	222+10'EBS2'	EB IH 94 LT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	2G	443+80'XWB'	WB IH 94 RT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	2G	239+20'EBS2'	EB IH 94 LT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	2G	270+00'EBS2'	EB IH 94 RT	1	2	WO5-58R	TL-3	UNIDIRECTIONAL	LT	TEMP CONC BARRIER
	2G	516+00'XWB'	WB IH 94 RT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	2G	311+90'EBS2'	EB IH 94 LT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	2G	564+00'XWB'	WB IH 94 RT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	2G	360+50'EBS2'	EB IH 94 LT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	2G	580+00'XWB'	WB IH 94 RT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
0010	3	88+17'TC3A'	128 WB EXIT RAMP RT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	3	88+50'WBS3'	WB IH 94 LT	1	2	WO5-58D	TL-3	BIDIRECTIONAL	LT & RT	TEMP CONC BARRIER
	3	200+00'WBS3'	WB IH 94 LT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	3	254+03'TNW3'	CTH Q WB ENT RAMP LT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	3	255+00'TNW3'	CTH Q WB ENT RAMP LT	1	2	WO5-58R	TL-3	UNIDIRECTIONAL	LT	TEMP CONC BARRIER
	3	292+30'TNE3'	CTH Q WB EXIT RAMP RT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	3	292+47'WBS3'	WB IH 94 LT	1	2	WO5-58D	TL-3	BIDIRECTIONAL	LT & RT	TEMP CONC BARRIER
	3	365+00'WBS3'	WB IH 94 LT	1	2	WO5-58R	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
0010	3B	91+04'TC3B'	128 WB EXIT RAMP RT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	3B	91+19'WBS3'	WB IH 94 LT	1	2	WO5-58D	TL-3	BIDIRECTIONAL	LT & RT	TEMP CONC BARRIER
0010	4	205+00'XEB'	EB IH 94 LT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	4	254+68'WBS4'	WB IH 94 LT	1	2	WO5-58R	TL-3	UNIDIRECTIONAL	LT	TEMP CONC BARRIER
	4	475+00'XEB'	EB IH 94 RT	1	2	WO5-58R	TL-3	UNIDIRECTIONAL	LT	TEMP CONC BARRIER
	4	282+88'WBS4'	WB IH 94 LT	1	2	WO5-58R	TL-3	UNIDIRECTIONAL	LT	TEMP CONC BARRIER
	4	371+96'WBS4'	WB IH 94 RT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER

(CONTINUED ON NEXT SHEET)

CRASH CUSHIONS TEMPORARY (CONT'D.)

CATEGORY	STAGE	STATION	LOCATION	614.0905 CRASH CUSHIONS TEMPORARY (EACH)	BACK WIDTH (FT)	OBJECT MARKING PATTERN	CRASH TEST LEVEL	TRAFFIC DIRECTION	TRAFFIC LOCATION	CRASH CUSHION SHIELDS
0010	5	5+00'EBS5'	EB IH 94 LT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	5	25+00'EBS5'	EB IH 94 RT	1	2	WO5-58D	TL-3	UNIDIRECTIONAL	LT & RT	TEMP CONC BARRIER
	5	60+48'TD5A'	128 EB ENT RAMP LT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	5	60+48'TD5A'	128 EB ENT RAMP RT	1	2	WO5-58R	TL-3	UNIDIRECTIONAL	LT	TEMP CONC BARRIER
	5	213+00'WBS5'	WB IH 94 RT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
0010	5B	62+78'TD5B'	128 EB ENT RAMP LT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	5B	87+00'TD5B'	128 EB ENT RAMP RT	1	2	WO5-58R	TL-3	UNIDIRECTIONAL	LT	TEMP CONC BARRIER
0010	6	1+00'EBS6'	EB IH 94 LT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	6	30+31'WBS6'	WB IH 94 RT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	6	31+48'EBS6'	EB IH 94 LT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	6	87+50'WBS6'	WB IH 94 RT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	6	88+40'EBS6'	EB IH 94 LT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	6	221+90'WBS6'	WB IH 94 RT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	6	221+97'EBS6'	EB IH 94 LT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	6	239+00'WBS6'	WB IH 94 RT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	6	239+12'EBS6'	EB IH 94 LT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	6	311+22'WBS6'	WB IH 94 RT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	6	311+60'EBS6'	EB IH 94 LT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	6	370+00'WBS6'	WB IH 94 RT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
0010	7F	6+00'EBS7'	EB IH 94 LT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
0010	7J	163+33'WBS7P'	WB IH 94 PASSING LT	1	2	WO5-58R	TL-3	UNIDIRECTIONAL	LT	TEMP CONC BARRIER
0010	7M	138+65'WBS7D'	WB IH 94 DRIVING LT	1	2	WO5-58R	TL-3	UNIDIRECTIONAL	LT	TEMP CONC BARRIER
	7M	142+00'WBS7D'	WB IH 94 DRIVING LT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
0010	8A	1+00'EBS7'	EB IH 94 LT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	8A	172+00'WBS8'	WB IH 94 RT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
0010	8E	2+00'EBS8D'	EB IH 94 DRIVING RT	1	2	WO5-58R	TL-3	UNIDIRECTIONAL	LT	TEMP CONC BARRIER
	8E	8+00'EBS8P'	EB IH 94 PASSING RT	1	2	WO5-58D	TL-3	UNIDIRECTIONAL	LT & RT	TEMP CONC BARRIER
	8E	9+00'EBS8D'	EB IH 94 DRIVING LT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
0010	8H	8+50'EBS8D'	EB IH 94 DRIVING LT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
0010	9B	554+00'EB'	EB IH 94 LT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
	9B	703+00'EB'	EB IH 94 LT	1	2	WO5-58L	TL-3	UNIDIRECTIONAL	RT	TEMP CONC BARRIER
			TOTAL 0010	62						

SALVAGED GUARDRAIL

CATEGORY	STATION	TO	STATION	LOCATION	SALVAGED RAIL 614.0920 LF	SALVAGED GUARDRAIL END TREATMENTS 614.0925 EACH	REMARKS
0010	307+58	-	316+77	WB IH 94, LT	918	---	
0010	317+81	-	319+47	WB IH 94, LT	115	1	
0010	317+81	-	319+47	WB IH 94, RT	115	1	
0010	392+62	-	395+03	WB IH 94, RT	191	1	
0010	392+69	-	394+10	WB IH 94, LT	90	1	
0010	429+74	-	434+17	WB IH 94, LT	392	1	
0010	439+38	-	445+69	WB IH 94, LT	581	1	
0010	453+05	-	458+73	WB IH 94, LT	513	1	
0010	479+33	-	483+32	WB IH 94, LT	400	---	
0010	484+36	-	486+01	WB IH 94, LT	115	1	
0010	484+41	-	487+31	WB IH 94, RT	241	1	
0010	527+80	-	534+87	WB IH 94, LT	657	1	
0010	551+91	-	555+16	WB IH 94, LT	267	1	
0010	560+59	-	572+41	WB IH 94, LT	1133	1	
0010	575+77	-	579+59	WB IH 94, LT	330	1	
0010	582+84	-	585+56	WB IH 94, LT	218	1	
0010	592+90	-	624+33	WB IH 94, RT	3093	1	
0010	593+60	-	598+02	WB IH 94, LT	393	1	
0010	602+22	-	623+12	WB IH 94, LT	2040	1	
0010	630+88	-	645+52	WB IH 94, RT	1415	1	
0010	638+27	-	644+34	WB IH 94, LT	557	1	
0010	664+76	-	671+56	WB IH 94, LT	629	1	
0010	309+00	-	316+77	EB IH 94, RT	730	1	
0010	312+39	-	316+77	EB IH 94, LT	390	1	
0010	317+81	-	319+49	EB IH 94, RT	167	---	
0010	389+94	-	391+35	EB IH 94, RT	90	1	
0010	390+26	-	391+42	EB IH 94, LT	66	1	
0010	428+70	-	445+13	EB IH 94, RT	1593	1	
0010	450+23	-	455+89	EB IH 94, RT	516	1	
0010	477+91	-	483+45	EB IH 94, RT	503	1	
0010	482+25	-	483+40	EB IH 94, LT	66	1	
0010	484+49	-	485+67	EB IH 94, RT	118	---	
0010	527+59	-	541+67	EB IH 94, RT	1365	1	
0010	559+70	-	565+65	EB IH 94, RT	545	1	
0010	573+76	-	576+95	EB IH 94, RT	269	1	
0010	580+50	-	601+72	EB IH 94, RT	2075	1	
0010	592+95	-	628+33	EB IH 94, LT	3488	1	
0010	619+20	-	629+27	EB IH 94, RT	957	1	
0010	659+76	-	670+30	EB IH 94, RT	1007	1	
0010	676+77	-	684+82	EB IH 94, RT	755	1	
0010	262+62	-	264+56	EB IH 94, LT	175	2	BULLNOSE
0010	575+52	-	577+32	EB IH 94, LT	150	2	BULLNOSE
0010	479+78	-	482+43	SW RAMP, LT	215	1	
0010	479+78	-	482+43	SW RAMP, RT	215	1	
				TOTAL 0010	29858	42	

GUARDRAIL ITEMS

CATEGORY	STAGE	STATION	-	STATION	LOCATION	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)	614.0220 STEEL THRIE BEAM BULLNOSE TERMINAL (EACH)	614.0230 STEEL THRIE BEAM (LF)
0010	3	308+25.78'WB'	-	316+52.64'WB'	LT	787.5	39.4	-	1	-	-
	3	318+05.14'WB'	-	320+60.14'WB'	LT	162.6	39.4	1	-	-	-
	3	390+85.79'WB'	-	391+37.69'WB'	LT	12.5	39.4	-	1	-	-
	3	392+97.22'WB'	-	395+52.22'WB'	LT	162.6	39.4	1	-	-	-
	3	429+00.00'WB'	-	436+03.10'WB'	LT	650.0	-	1	1	-	-
	3	439+50.00'WB'	-	449+78.10'WB'	LT	975.0	-	1	1	-	-
	3	528+25.00'WB'	-	535+53.10'WB'	LT	675.0	-	1	1	-	-
	3	551+75.00'WB'	-	557+28.10'WB'	LT	491.4	-	1	1	-	-
	3	561+00.00'WB'	-	566+60.00'WB'	LT	560.0	-	-	1	-	-
0010	5	308+97.64'EB'	-	316+52.64'EB'	RT	664.8	39.4	1	-	-	-
	5	318+05.14'EB'	-	318+57.04'EB'	RT	12.5	39.4	-	1	-	-
	5	388+52.37'EB'	-	391+07.37'EB'	RT	162.6	39.4	1	-	-	-
	5	427+71.90'EB'	-	445+00.00'EB'	RT	1675	-	1	1	-	-
	5	449+46.90'EB'	-	456+00.00'EB'	RT	600.0	-	1	-	-	-
	5	478+36.51'EB'	-	483+03.44'EB'	RT	374.7	39.4	1	-	-	-
	5	477+71.90'SW'	-	482+50.00'SW'	RT	425.6	-	1	1	-	-
	5	529+46.90'EB'	-	542+00.00'EB'	RT	1203.4	-	1	1	-	-
	5	558+71.90'EB'	-	565+25.00'EB'	RT	600.0	-	1	1	-	-
0010	6	262+61.85'WB'	-	264+56.03'WB'	RT	-	-	-	-	2	175
	6	278+75.00'WB'	-	282+00.00'WB'	LT	275.0	-	1	1	-	-
	6	315+22.77'EB'	-	316+52.64'EB'	LT	37.5	39.4	1	-	-	-
	6	318+05.14'WB'	-	319+35.14'WB'	RT	37.5	39.4	1	-	-	-
	6	318+05.14'EB'	-	318+57.04'EB'	LT	12.5	39.4	-	1	-	-
	6	389+87.95'EB'	-	391+17.95'EB'	LT	37.5	39.4	1	-	-	-
	6	390+75.21'WB'	-	391+27.11'WB'	RT	12.5	39.4	-	1	-	-
	6	392+86.64'WB'	-	394+16.64'WB'	RT	37.5	39.4	1	-	-	-
	6	453+00.00'WB'	-	459+53.10'WB'	LT	600.0	-	1	1	-	-
	6	468+50.00'EB'	-	471+25.00'EB'	RT	225.0	-	1	1	-	-
	6	479+54.70'EB'	-	482+97.12'EB'	LT	250.0	39.4	1	-	-	-
	6	481+47.70'WB'	-	482+87.00'WB'	LT	100.0	39.4	-	1	-	-
	6	484+78.18'WB'	-	486+08.18'WB'	LT	37.5	39.4	1	-	-	-
	6	484+84.50'WB'	-	488+27.00'WB'	RT	250.0	39.4	1	-	-	-
0010	7M	566+59.98'WB'	-	573+03.10'WB'	LT	590.0	-	1	-	-	-
	7M	576+67.50'WB'	-	580+00.81'WB'	LT	237.5	39.4	1	-	-	-
	7M	602+00.00'WB'	-	621+52.37'WB'	LT	1924.0	-	1	1	-	-
	7M	638+50.00'WB'	-	644+53.10'WB'	LT	550.0	-	1	1	-	-
	7M	664+50.06'WB'	-	672+03.32'WB'	LT	697.9	-	1	1	-	-
0010	8E	573+20.00'EB'	-	576+12.50'EB'	RT	239.4	39.4	1	-	-	-
	8E	579+47.21'EB'	-	601+50.00'EB'	RT	2157.4	-	1	1	-	-
	8E	619+46.90'EB'	-	627+50.00'EB'	RT	750.0	-	1	1	-	-
	8E	660+46.90'EB'	-	671+00.00'EB'	RT	1003.1	-	1	1	-	-
	8E	676+96.90'EB'	-	685+00.00'EB'	RT	750.0	-	1	-	-	-
0010	8H	593+46.90'EB'	-	623+99.72'EB'	LT	3001.5	-	1	1	-	-
0010	9B	575+55.49'WB'	-	577+24.62'WB'	RT	-	-	-	-	2	125
	9B	592+99.96'WB'	-	625+03.14'WB'	RT	3145.4	-	1	1	-	-
	9B	632+00.00'WB'	-	695+16.12'WB'	RT	6300.0	-	-	1	-	-
	9B	702+54.21'WB'	-	705+90.79'WB'	RT	283.6	-	1	-	-	-
					TOTAL 0010	33737.5	788.0	37	27	4	300.0

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FENCE WOVEN WIRE (HEIGHT) 4-FT

CATEGORY	STATION	TO	STATION	LOCATION	616.0100 LF	REMARKS
0010	264+96	-	316+72	WB IH 94, LT	5310	STH 128 TO B-55-247
0010	317+86	-	391+58	WB IH 94, LT	7545	B-55-247 TO B-55-245
0010	392+78	-	482+57	WB IH 94, LT	9010	B-55-245 TO CTH Q
0010	484+37	-	576+43	WB IH 94, LT	9270	CTH Q TO B-17-20
0010	576+73	-	698+35	WB IH 94, LT	12550	B-17-20 TO B-17-218
0010	265+11	-	316+72	EB IH 94, RT	5300	STH 128 TO B-55-248
0010	317+86	-	391+26	EB IH 94, RT	7485	B-55-248 TO B-55-246
0010	392+47	-	483+65	EB IH 94, RT	9310	B-55-246 TO CTH Q
0010	485+33	-	576+07	EB IH 94, RT	9450	CTH Q TO B-17-20
0010	576+37	-	698+15	EB IH 94, RT	12320	B-17-20 TO B-17-217
0010	316+71			IH 94 MEDIAN	48	B-55-247/248 WEST ABUT
0010	317+85			IH 94 MEDIAN	48	B-55-247/248 EAST ABUT
0010	391+42			IH 94 MEDIAN	48	B-55-245/246 WEST ABUT
0010	392+64			IH 94 MEDIAN	48	B-55-245/246 EAST ABUT
0010	483+14			IH 94 MEDIAN	32	B-17-214/215 WEST ABUT
0010	484+68			IH 94 MEDIAN	32	B-17-214/215 EAST ABUT
0010	698+24			IH 94 MEDIAN	48	B-17-217/218 WEST ABUT
				TOTAL 0010	87854	

FENCE TEMPORARY

CATEGORY	STATION	TO	STATION	LOCATION	616.0600.S LF	REMARKS
0010	254+50	-	685+00	IH 94, LT/RT	5000	UNDISTRIBUTED
				TOTAL 0010	5000	

WATER

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	624.0100 MGAL	REMARKS
0010	1	243+00	-	504+30	EB IH 94, RT	275	COMPACTION/DUST CONTROL
0010	2	200+00	-	577+11	EB IH 94, LT	1400	COMPACTION/DUST CONTROL
0010	3	254+50	-	566+60	WB IH 94	1375	COMPACTION/DUST CONTROL
0010	4	208+00	-	576+00	WB IH 94, RT	900	COMPACTION/DUST CONTROL
0010	5	254+50	-	566+60	EB IH 94	1400	COMPACTION/DUST CONTROL
0010	6	207+00	-	573+00	EB IH 94, LT	450	COMPACTION/DUST CONTROL
0010	7	566+60	-	685+00	WB IH 94	1075	COMPACTION/DUST CONTROL
0010	8	566+60	-	685+00	EB IH 94	625	COMPACTION/DUST CONTROL
0010		UNDISTRIBUTED				400	
					TOTAL 0010	7900	

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FINISHING ITEMS

CATEGORY	STAGE	STATION TO STATION	LOCATION	SALVAGED TOPSOIL 625.0500 SY	MULCHING 627.0200 SY	FERTILIZER TYPE B 629.0210 CWT	SEEDING MIXTURE NO. 10 630.0110 LB	SEEDING MIXTURE NO. 30 630.0130 LB	SEEDING TEMPORARY 630.0200 LB	REMARKS
0010	1	243+00 - 248+41	EB IH 94 RT	1200	1500	1.1	-	35	47	
0010	1	254+50 - 264+00	EB IH 94 RT	1270	1800	1.4	-	-	63	
0010	1	264+95 - 272+54	EB IH 94 RT	1410	1850	1.4	-	-	65	
0010	1	420+46 - 423+78	EB IH 94 RT	520	700	0.5	-	-	25	
0010	1	452+00 - 483+40	EB IH 94 RT	7250	9000	6.6	-	-	285	
0010	1	484+57 - 506+00	EB IH 94 RT	4260	5450	4.1	-	-	180	
0010	1	521+23 - 524+25	EB IH 94 RT	480	650	0.5	-	-	20	
0010	1	549+20 - 552+19	EB IH 94 RT	580	750	0.6	-	-	25	
0010	2	210+10 - 264+00	IH 94 MEDIAN	5350	8350	7.0	-	-	300	
0010	2	264+75 - 316+52	IH 94 MEDIAN	7500	10400	8.2	-	-	280	
0010	2	318+02 - 391+52	IH 94 MEDIAN	20400	24500	17.7	-	-	760	
0010	2	393+02 - 453+40	IH 94 MEDIAN	8300	11600	9.2	-	-	395	
0010	2	457+50 - 483+00	IH 94 MEDIAN	1600	3000	2.7	-	-	115	
0010	2	484+50 - 575+91	IH 94 MEDIAN	7600	12700	10.9	-	-	465	
0010	3	256+50 - 316+83	IH 94 MEDIAN	1100	4000	4.2	-	-	190	
0010	3	256+50 - 316+83	WB IH 94 LT	17730	14100	16.0	-	460	685	
0010	3	317+77 - 391+36	WB IH 94 LT	16600	20100	16.0	-	460	690	
0010	3	318+08 - 391+36	IH 94 MEDIAN	2910	7000	9.2	-	-	400	
0010	3	392+92 - 483+38	WB IH 94 LT	20250	21800	19.5	-	560	840	
0010	3	392+92 - 483+38	IH 94 MEDIAN	3300	8300	11.2	-	-	480	
0010	3	475+50 - 483+10	NW RAMP CTH Q LT	1460	1880	1.4	-	45	65	
0010	3	476+14 - 483+10	NW RAMP CTH Q RT	1100	1480	1.1	-	35	50	
0010	3	12+00 - 16+21	CTH Q LT	650	885	0.7	-	25	35	
0010	3	12+00 - 16+21	CTH Q RT	700	930	0.8	-	25	35	
0010	3	484+00 - 491+00	NE RAMP CTH Q LT	3610	1520	2.7	-	80	120	
0010	3	484+00 - 491+00	NE RAMP CTH Q RT	1620	2000	1.4	-	45	65	
0010	3	484+75 - 566+60	IH 94 MEDIAN	500	4500	8.3	-	240	360	
0010	3	484+75 - 569+25	WB IH 94 LT	19000	15600	18.3	-	525	785	
0010	4	210+11 - 215+95	IH 94 MEDIAN	900	1500	0.9	-	-	45	
0010	4	216+25 - 222+00	IH 94 MEDIAN	400	970	0.6	-	-	30	
0010	4	233+00 - 288+00	IH 94 MEDIAN	8500	8500	5.4	-	-	230	
0010	4	291+48 - 307+96	IH 94 MEDIAN	3050	3050	1.9	-	-	85	
0010	4	323+02 - 326+02	IH 94 MEDIAN	360	360	0.2	-	-	10	
0010	4	350+00 - 352+98	IH 94 MEDIAN	410	410	0.3	-	-	10	
0010	4	374+01 - 377+01	IH 94 MEDIAN	365	365	0.2	-	-	10	
0010	4	395+01 - 482+98	IH 94 MEDIAN	14100	14100	8.9	-	-	385	
0010	4	484+80 - 497+03	IH 94 MEDIAN	1650	1650	1.0	-	-	45	
0010	4	498+20 - 566+71	IH 94 MEDIAN	9100	9100	5.7	-	-	250	
0010	4	568+04 - 576+00	IH 94 MEDIAN	1650	1650	1.0	-	-	45	

(CONTINUED ON NEXT SHEET)

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FINISHING ITEMS (CONT'D.)

CATEGORY	STAGE	STATION TO STATION	LOCATION*	SALVAGED TOPSOIL 625.0500 SY	MULCHING 627.0200 SY	FERTILIZER TYPE B 629.0210 CWT	SEEDING MIXTURE NO. 10 630.0110 LB	SEEDING MIXTURE NO. 30 630.0130 LB	SEEDING TEMPORARY 630.0200 LB	REMARKS
0010	5	256+50 - 316+50	EB IH 94 RT	16700	20010	15.0	10	420	645	
0010	5	306+80 - 316+50	IH 94 MEDIAN	1270	1270	0.8	-	-	35	
0010	5	267+86 - 272+62	RAMP D STH 128	2310	2835	2.1	-	60	90	
0010	5	318+05 - 344+41	IH 94 MEDIAN	3630	3630	2.3	-	-	100	
0010	5	318+05 - 391+09	EB IH 94 RT	17010	18370	15.8	-	460	680	
0010	5	379+85 - 391+19	IH 94 MEDIAN	1265	1265	0.8	-	-	35	
0010	5	392+69 - 399+00	IH 94 MEDIAN	640	640	0.4	-	-	20	
0010	5	392+69 - 483+01	EB IH 94 RT	21570	19500	20.4	-	585	880	
0010	5	476+58 - 483+88	SW RAMP CTH Q LT	730	1135	0.9	-	30	40	
0010	5	476+58 - 483+88	SW RAMP CTH Q RT	2725	3130	2.2	-	65	95	
0010	5	8+00 - 12+00	CTH Q LT	660	880	0.7	-	20	30	
0010	5	8+00 - 12+00	CTH Q RT	830	1050	0.8	-	25	35	
0010	5	484+52 - 491+64	SE RAMP CTH Q LT	860	1250	1.0	-	30	45	
0010	5	484+79 - 492+00	SE RAMP CTH Q RT	1220	1620	1.3	-	40	55	
0010	5	484+90 - 568+40	EB IH 94 RT	16580	13100	16.8	-	480	720	
0010	5	496+50 - 501+50	IH 94 MEDIAN	750	750	0.5	-	-	20	
0010	5	535+30 - 553+11	IH 94 MEDIAN	1800	1800	1.1	-	-	50	
0010	6	208+94 - 293+00	IH 94 MEDIAN	21310	21310	24.5	-	700	1050	
0010	6	293+00 - 316+50	IH 94 MEDIAN	13550	13550	11.6	-	335	500	
0010	6	318+07 - 391+18	IH 94 MEDIAN	68410	61920	43.1	-	1240	1850	
0010	6	392+93 - 482+96	IH 94 MEDIAN	28360	27880	29.7	-	850	1275	
0010	6	453+94 - 482+84	WB IH 94 LT	1750	1750	2.3	-	65	100	
0010	6	484+87 - 565+00	IH 94 MEDIAN	18610	18320	22.3	-	640	955	
0010	6	484+87 - 565+00	WB IH 94 LT	1110	805	1.1	-	35	50	
0010	6	496+80 - 502+12	WB IH 94 LT	1150	1150	0.7	-	25	35	
0010	7	563+38 - 576+10	IH 94 MEDIAN	2350	2350	1.5	-	-	65	
0010	7	566+60 - 685+00	WB IH 94 LT	13590	17820	17.5	-	505	750	
0010	7	572+64 - 575+39	WB IH 94 LT	460	460	0.3	-	-	15	
0010	7	576+70 - 695+03	IH 94 MEDIAN/WB IH 94 RT	44650	25140	37.1	-	1060	1590	
0010	7	576+70 - 695+53	IH 94 MEDIAN	27960	34560	25.9	-	740	1110	
0010	7	602+66 - 605+42	EB IH 94 RT	450	600	0.5	-	15	20	
0010	7	630+42 - 633+17	EB IH 94 RT	925	1080	0.8	-	25	35	
0010	7	655+41 - 658+17	EB IH 94 RT	750	900	0.7	-	20	30	
0010	7	673+01 - 675+77	EB IH 94 RT	790	940	0.7	-	20	30	
0010	7	702+35 - 722+64	IH 94 MEDIAN	1670	2800	2.5	-	70	105	
0010	8	557+55 - 566+60	IH 94 MEDIAN	1290	1290	0.8	-	25	35	
0010	8	566+60 - 685+00	IH 94 MEDIAN	15490	21350	22.0	-	620	930	
0010	8	566+60 - 685+00	EB IH 94 RT	29255	26030	26.7	-	765	1145	
0010	9	557+55 - 695+53	IH 94 MEDIAN	19400	21660	26.1	-	750	1120	
0010	9	702+35 - 722+64	IH 94 MEDIAN	11600	10740	10.0	-	285	430	
0010	1 THRU 9	254+50 - 685+00	UNDISTRIBUTED	61435	64460	59.9	40	1360	2580	
			TOTAL 0010	675600	709100	660.0	50	14900	28350	

SILT FENCE

CATEGORY	STAGE	STATION TO STATION	LOCATION	SILT FENCE 628.1504 LF	SILT FENCE MAINTENANCE 628.1520 LF	REMARKS
0010	1	243+00 - 248+41	EB IH 94 RT	550	550	
0010	1	264+46 - 270+68	EB IH 94 RT	630	630	
0010	1	420+40 - 421+40	EB IH 94 RT	100	100	
0010	1	490+15 - 493+00	EB IH 94 RT	285	285	
0010	3	281+50 - 285+50	WB IH 94 LT	405	405	
0010	3	304+50 - 316+75	WB IH 94 LT	1250	1250	
0010	3	317+77 - 321+50	WB IH 94 LT	375	375	
0010	3	329+00 - 343+00	WB IH 94 LT	1435	1435	
0010	3	353+00 - 356+00	WB IH 94 LT	305	305	
0010	3	365+00 - 368+00	WB IH 94 LT	315	315	
0010	3	381+25 - 386+00	WB IH 94 LT	480	480	
0010	3	406+50 - 408+50	WB IH 94 LT	210	210	
0010	3	429+00 - 432+25	WB IH 94 LT	360	360	
0010	3	453+00 - 460+00	WB IH 94 LT	710	710	
0010	3	484+67 - 486+75	WB IH 94 LT	255	255	
0010	3	517+20 - 520+51	WB IH 94 LT	360	360	
0010	3	551+95 - 554+75	WB IH 94 LT	280	280	
0010	3	561+17 - 562+80	WB IH 94 LT	170	170	
0010	3	562+89 - 570+25	WB IH 94 LT	860	860	
0010	5	264+46 - 270+68	EB IH 94 RT	635	635	
0010	5	284+49 - 290+53	EB IH 94 RT	620	620	
0010	5	294+97 - 298+26	EB IH 94 RT	350	350	
0010	5	332+48 - 337+25	EB IH 94 RT	480	480	
0010	5	374+99 - 391+12	EB IH 94 RT	1660	1660	
0010	5	392+64 - 396+05	EB IH 94 RT	400	400	
0010	5	432+94 - 433+69	EB IH 94 RT	90	90	
0010	5	450+86 - 452+38	EB IH 94 RT	200	200	
0010	5	507+00 - 509+00	EB IH 94 RT	200	200	
0010	5	531+05 - 533+00	EB IH 94 RT	200	200	
0010	6	485+50 - 486+50	WB IH 94 LT	100	100	
0010	7	593+95 - 598+56	IH 94 MEDIAN/WB IH 94 RT	510	510	
0010	7	596+00 - 609+00	IH 94 MEDIAN/EB IH 94 LT	1400	1400	
0010	7	601+95 - 622+05	IH 94 MEDIAN/WB IH 94 RT	2000	2000	
0010	7	613+50 - 630+00	IH 94 MEDIAN/EB IH 94 LT	1700	1700	
0010	7	630+40 - 633+30	EB IH 94 RT	300	300	
0010	7	655+00 - 658+50	EB IH 94 RT	360	360	
0010	7	673+00 - 676+00	EB IH 94 RT	310	310	
0010	8	584+78 - 593+02	EB IH 94 RT	905	905	
0010	8	597+98 - 599+09	EB IH 94 RT	565	565	
0010	8	616+24 - 618+17	EB IH 94 RT	200	200	
0010	8	619+33 - 622+54	EB IH 94 RT	400	400	
0010	8	626+72 - 636+00	EB IH 94 RT	960	960	
0010	8	647+54 - 648+52	EB IH 94 RT	100	100	
0010	8	653+34 - 679+97	EB IH 94 RT	2920	2920	
0010	9	641+83 - 648+08	IH 94 MEDIAN/WB IH 94 RT	640	640	
0010	L THRU S	254+50 - 685+00	UNDISTRIBUTED	2960	2960	
			TOTAL 0010	30500	30500	

MOBILIZATIONS

CATEGORY	STATION TO STATION	LOCATION	EROSION CONTROL 628.1905 EACH	EMERGENCY EROSION CONTROL 628.1910 EACH	REMARKS
0010	254+50 - 685+00	IH 94	30	30	UNDISTRIBUTED
		TOTAL 0010	30	30	

EROSION MAT CLASS I TYPE B

CATEGORY	STAGE	STATION TO STATION	LOCATION	628.2004 SY	REMARKS
0010	3	283+50 - 293+90	WB IH 94 LT	930	
0010	3	307+50 - 308+50	WB IH 94 LT	640	
0010	3	317+75 - 319+00	WB IH 94 LT	630	
0010	3	320+50 - 328+50	WB IH 94 LT	725	
0010	3	335+50 - 338+00	WB IH 94 LT	225	
0010	3	380+00 - 382+25	WB IH 94 LT	205	
0010	3	383+75 - 391+36	WB IH 94 LT	675	
0010	3	393+00 - 407+00	WB IH 94 LT	1500	
0010	3	431+00 - 432+25	WB IH 94 LT	115	
0010	3	446+25 - 450+75	WB IH 94 LT	400	
0010	3	453+00 - 457+50	WB IH 94 LT	925	
0010	3	460+00 - 475+25	WB IH 94 LT	3000	
0010	3	478+00 - 483+40	WB IH 94 LT	2310	
0010	3	484+10 - 491+00	NE RAMP CTH Q LT	610	
0010	3	486+75 - 491+00	NE RAMP CTH Q LT	1875	
0010	3	484+80 - 486+08	WB IH 94 LT	305	
0010	3	491+00 - 505+50	WB IH 94 LT	3600	
0010	3	512+87 - 514+79	WB IH 94 LT	175	
0010	3	519+00 - 520+50	WB IH 94 LT	600	
0010	3	527+00 - 532+72	WB IH 94 LT	320	
0010	3	539+45 - 541+30	WB IH 94 LT	165	
0010	3	552+00 - 558+50	WB IH 94 LT	820	
0010	3	560+45 - 561+11	WB IH 94 LT	55	
0010	3	561+25 - 566+50	WB IH 94 LT	2070	
0010	5	259+45 - 263+77	EB IH 94 RT	385	
0010	5	276+50 - 283+50	EB IH 94 RT	1760	
0010	5	285+50 - 289+01	EB IH 94 RT	1630	
0010	5	310+00 - 316+50	EB IH 94 RT	4395	
0010	5	318+05 - 319+00	EB IH 94 RT	410	
0010	5	320+78 - 333+24	EB IH 94 RT	1110	
0010	5	337+25 - 343+00	EB IH 94 RT	520	
0010	5	395+49 - 408+50	EB IH 94 RT	1140	
0010	5	414+50 - 416+50	EB IH 94 RT	250	
0010	5	421+38 - 430+05	EB IH 94 RT	730	
0010	5	441+00 - 442+50	EB IH 94 RT	60	
0010	5	445+16 - 451+11	EB IH 94 RT	530	
0010	5	451+48 - 452+27	EB IH 94 RT	290	
0010	5	457+00 - 473+65	EB IH 94 RT	1500	
0010	5	488+85 - 491+02	SE RAMP CTH Q LT	195	
0010	5	492+54 - 506+66	EB IH 94 RT	5400	
0010	5	511+28 - 517+26	EB IH 94 RT	530	
0010	5	528+82 - 531+79	EB IH 94 RT	270	
0010	5	532+50 - 533+50	EB IH 94 RT	40	
0010	5	534+77 - 542+73	EB IH 94 RT	1900	

EROSION MAT CLASS I TYPE B (CONT'D.)

CATEGORY	STAGE	STATION TO STATION	LOCATION	628.2004 SY	REMARKS
0010	6	208+94 - 235+50	IH 94 MEDIAN	2370	
0010	6	236+52 - 285+00	IH 94 MEDIAN	4310	
0010	6	288+00 - 291+00	IH 94 MEDIAN	270	
0010	6	318+00 - 390+95	IH 94 MEDIAN	6500	
0010	6	393+00 - 398+45	IH 94 MEDIAN	485	
0010	6	560+81 - 564+00	IH 94 MEDIAN	290	
0010	6	484+80 - 486+08	WB IH 94 LT	305	
0010	7	570+34 - 571+59	WB IH 94 LT	335	
0010	7	573+00 - 573+80	WB IH 94 LT	75	
0010	7	579+62 - 583+30	WB IH 94 LT	430	
0010	7	598+50 - 602+00	IH 94 MEDIAN	165	
0010	7	622+00 - 646+25	IH 94 MEDIAN	9920	
0010	7	671+02 - 674+70	WB IH 94 LT	330	
0010	8	610+50 - 613+50	IH 94 MEDIAN	270	
0010	8	630+75 - 635+75	IH 94 MEDIAN	450	
0010	8	571+75 - 575+75	EB IH 94 RT	1090	
0010	8	576+75 - 582+00	EB IH 94 RT	1250	
0010	8	585+00 - 592+00	EB IH 94 RT	3500	
0010	8	605+47 - 609+64	EB IH 94 RT	370	
0010	8	612+13 - 616+14	EB IH 94 RT	350	
0010	8	626+75 - 629+50	EB IH 94 RT	880	
0010	8	656+50 - 658+20	EB IH 94 RT	510	
0010	8	659+63 - 663+44	EB IH 94 RT	1210	
0010	8	666+00 - 670+00	EB IH 94 RT	2170	
0010	8	670+80 - 671+71	EB IH 94 RT	370	
0010	8	673+28 - 674+59	EB IH 94 RT	575	
0010	9	560+77 - 564+00	IH 94 MEDIAN	290	
0010	9	566+00 - 571+29	IH 94 MEDIAN	470	
0010	9	571+50 - 583+00	IH 94 MEDIAN	1025	
0010	9	585+76 - 593+50	IH 94 MEDIAN	700	
0010	9	685+00 - 695+52	IH 94 MEDIAN	1680	
0010	9	702+35 - 710+91	IH 94 MEDIAN	760	
0010	9	712+96 - 722+64	IH 94 MEDIAN	860	
0010	1 THRU 9	254+50 - 685+00	UNDISTRIBUTED	9065	
			TOTAL 0010	99550	

EROSION MAT CLASS II TYPE B

CATEGORY	STAGE	STATION TO STATION	LOCATION	628.2023 SY	REMARKS
0010	3	307+50 - 316+83	WB IH 94 LT	6510	
0010	5	430+18 - 434+45	EB IH 94 RT	2610	
0010	5	445+20 - 451+06	EB IH 94 RT	530	
0010	7	593+50 - 598+50	IH 94 MEDIAN	3080	
0010	7	602+00 - 622+00	IH 94 MEDIAN	20600	
0010	7	611+25 - 612+50	WB IH 94 LT	1190	
0010	8	595+25 - 598+75	EB IH 94 RT	4500	
0010	8	605+50 - 607+50	EB IH 94 RT	220	
0010	9	585+90 - 593+38	IH 94 MEDIAN	1260	
0010	1 THRU 9	254+50 - 685+00	UNDISTRIBUTED	4100	
			TOTAL 0010	44600	

EROSION MAT CLASS III TYPE D

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	628.2039 SY	REMARKS
0010	2	400+00	-	475+00	STAGE 3 TEMP WB C/L, LT	10000	TEMP V-DITCH
0010	4	400+00	-	475+00	STAGE 5 TEMP EB C/L, RT	10000	TEMP V-CITCH
0010	6-9	400+00	-	635+00	UNDISTRIBUTED	2000	
					TOTAL 0010	22000	

SOIL STABILIZER TYPE B

CATEGORY	STATION	TO	STATION	LOCATION	628.6510 ACRE	REMARKS
0010	254+50	-	685+00	IH 94, LT & RT	20	UNDISTRIBUTETD
				TOTAL 0010	20	

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INLET PROTECTION TYPE A

628.7005

CATEGORY	STAGE	STATION	LOCATION	EACH	REMARKS
0010	1	257+01	EB IH 94, 52' RT	1	
0010	2	211+61	EB IH 94, 24' LT	1	
0010	2	219+00	EB IH 94, 35' LT	1	TEMPORARY STRUCTURE
0010	2	222+10	EB IH 94, 33' LT	1	TEMPORARY STRUCTURE
0010	2	229+07	EB IH 94, 33' LT	1	TEMPORARY STRUCTURE
0010	2	236+62	EB IH 94, 32' LT	1	TEMPORARY STRUCTURE
0010	2	245+48	EB IH 94, 32' LT	1	TEMPORARY STRUCTURE
0010	2	251+12	EB IH 94, 32' LT	1	TEMPORARY STRUCTURE
0010	2	257+14	EB IH 94, 31' LT	1	TEMPORARY STRUCTURE
0010	2	264+89	EB IH 94, 32' LT	1	TEMPORARY STRUCTURE
0010	2	272+11	EB IH 94, 38' LT	1	TEMPORARY STRUCTURE
0010	2	282+90	EB IH 94, 38' LT	1	TEMPORARY STRUCTURE
0010	2	290+86	EB IH 94, 46' LT	1	TEMPORARY STRUCTURE
0010	2	296+88	EB IH 94, 11' LT	1	TEMPORARY STRUCTURE
0010	2	296+88	EB IH 94, 56' LT	1	TEMPORARY STRUCTURE
0010	2	304+91	EB IH 94, 67' LT	1	TEMPORARY STRUCTURE
0010	2	304+92	EB IH 94, 22' LT	1	TEMPORARY STRUCTURE
0010	2	310+88	EB IH 94, 75' LT	1	TEMPORARY STRUCTURE
0010	2	310+89	EB IH 94, 27' LT	1	TEMPORARY STRUCTURE
0010	2	316+38	EB IH 94, 82' LT	1	TEMPORARY STRUCTURE
0010	2	316+38	EB IH 94, 23' LT	1	TEMPORARY STRUCTURE
0010	2	325+89	EB IH 94, 25' LT	1	TEMPORARY STRUCTURE
0010	2	325+89	EB IH 94, 81' LT	1	TEMPORARY STRUCTURE
0010	2	333+88	EB IH 94, 28' LT	1	TEMPORARY STRUCTURE
0010	2	333+89	EB IH 94, 79' LT	1	TEMPORARY STRUCTURE
0010	2	341+88	EB IH 94, 27' LT	1	TEMPORARY STRUCTURE
0010	2	341+88	EB IH 94, 75' LT	1	TEMPORARY STRUCTURE
0010	2	353+89	EB IH 94, 28' LT	1	TEMPORARY STRUCTURE
0010	2	353+89	EB IH 94, 77' LT	1	TEMPORARY STRUCTURE
0010	2	357+90	EB IH 94, 24' LT	1	TEMPORARY STRUCTURE
0010	2	357+90	EB IH 94, 76' LT	1	TEMPORARY STRUCTURE
0010	2	365+86	EB IH 94, 27' LT	1	TEMPORARY STRUCTURE
0010	2	365+86	EB IH 94, 74' LT	1	TEMPORARY STRUCTURE
0010	2	377+09	EB IH 94, 25' LT	1	TEMPORARY STRUCTURE
0010	2	377+09	EB IH 94, 75' LT	1	TEMPORARY STRUCTURE
0010	2	383+09	EB IH 94, 25' LT	1	TEMPORARY STRUCTURE
0010	2	383+09	EB IH 94, 74' LT	1	TEMPORARY STRUCTURE
0010	2	399+50	EB IH 94, 12' LT	1	TEMPORARY STRUCTURE
0010	2	403+86	EB IH 94, 55' LT	1	TEMPORARY STRUCTURE
0010	2	413+49	EB IH 94, 42' LT	1	TEMPORARY STRUCTURE
0010	2	420+32	EB IH 94, 37' LT	1	TEMPORARY STRUCTURE
0010	2	426+55	EB IH 94, 33' LT	1	TEMPORARY STRUCTURE
0010	2	437+10	EB IH 94, 33' LT	1	TEMPORARY STRUCTURE
0010	2	444+88	EB IH 94, 34' LT	1	TEMPORARY STRUCTURE
0010	2	451+65	EB IH 94, 40' LT	1	TEMPORARY STRUCTURE

INLET PROTECTION TYPE A (CONT'D.)

628.7005

CATEGORY	STAGE	STATION	LOCATION	EACH	REMARKS
0010	2	456+53	EB IH 94, 19' LT	1	TEMPORARY STRUCTURE
0010	2	460+04	EB IH 94, 21' LT	1	
0010	2	468+10	EB IH 94, 27' LT	1	
0010	2	476+02	EB IH 94, 36' LT	1	
0010	2	492+01	EB IH 94, 35' LT	1	
0010	2	501+92	EB IH 94, 47' LT	1	TEMPORARY STRUCTURE
0010	2	507+78	EB IH 94, 44' LT	1	TEMPORARY STRUCTURE
0010	2	515+87	EB IH 94, 36' LT	1	TEMPORARY STRUCTURE
0010	2	525+12	EB IH 94, 33' LT	1	TEMPORARY STRUCTURE
0010	2	533+59	EB IH 94, 33' LT	1	TEMPORARY STRUCTURE
0010	2	542+14	EB IH 94, 32' LT	1	TEMPORARY STRUCTURE
0010	2	552+31	EB IH 94, 33' LT	1	TEMPORARY STRUCTURE
0010	2	560+83	EB IH 94, 32' LT	1	TEMPORARY STRUCTURE
0010	4	211+61	EB IH 94, 24' LT	1	
0010	4	222+00	EB IH 94, 24' LT	1	
0010	4	236+52	EB IH 94, 23' LT	1	
0010	4	245+36	EB IH 94, 22' LT	1	
0010	4	251+00	EB IH 94, 22' LT	1	
0010	4	257+02	EB IH 94, 27' LT	1	
0010	4	265+01	EB IH 94, 27' LT	1	
0010	4	265+91	EB IH 94, 29' LT	1	
0010	4	271+99	EB IH 94, 26' LT	1	
0010	4	283+00	EB IH 94, 27' LT	1	
0010	4	304+92	EB IH 94, 22' LT	1	TEMPORARY STRUCTURE
0010	4	399+50	EB IH 94, 11' LT	1	TEMPORARY STRUCTURE
0010	4	426+66	EB IH 94, 24' LT	1	
0010	4	476+02	EB IH 94, 36' LT	1	
0010	4	492+01	EB IH 94, 35' LT	1	
0010	4	525+00	EB IH 94, 25' LT	1	
0010	4	533+50	EB IH 94, 25' LT	1	
0010	4	542+01	EB IH 94, 23' LT	1	
0010	5	398+53	EB IH 94, 53' RT	1	
0010	6	211+61	EB IH 94, 24' LT	1	
0010	6	222+00	EB IH 94, 24' LT	1	
0010	6	228+97	EB IH 94, 22' LT	1	
0010	6	236+52	EB IH 94, 23' LT	1	
0010	6	245+36	EB IH 94, 22' LT	1	
0010	6	251+00	EB IH 94, 22' LT	1	
0010	6	257+02	EB IH 94, 20' LT	1	
0010	6	265+01	EB IH 94, 28' LT	1	
0010	6	265+91	EB IH 94, 30' LT	1	
0010	6	271+99	EB IH 94, 26' LT	1	

(CONTINUED ON NEXT SHEET)

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INLET PROTECTION TYPE A (CONT'D.)

CATEGORY	STAGE	STATION	LOCATION	628.7005 EACH	REMARKS
0010	6	283+00	EB IH 94, 27' LT	1	
0010	6	290+99	EB IH 94, 30' LT	1	
0010	6	296+98	EB IH 94, 38' LT	1	
0010	6	305+02	EB IH 94, 48' LT	1	
0010	6	311+01	EB IH 94, 53' LT	1	
0010	6	316+48	EB IH 94, 44' LT	1	
0010	6	326+00	EB IH 94, 58' LT	1	
0010	6	333+99	EB IH 94, 38' LT	1	
0010	6	342+00	EB IH 94, 60' LT	1	
0010	6	353+99	EB IH 94, 53' LT	1	
0010	6	358+00	EB IH 94, 52' LT	1	
0010	6	365+98	EB IH 94, 50' LT	1	
0010	6	376+99	EB IH 94, 47' LT	1	
0010	6	382+97	EB IH 94, 47' LT	1	
0010	6	403+95	EB IH 94, 44' LT	1	
0010	6	413+61	EB IH 94, 36' LT	1	
0010	6	420+44	EB IH 94, 27' LT	1	
0010	6	426+67	EB IH 94, 24' LT	1	
0010	6	437+00	EB IH 94, 24' LT	1	
0010	6	444+76	EB IH 94, 24' LT	1	
0010	6	451+53	EB IH 94, 24' LT	1	
0010	6	460+01	EB IH 94, 21' LT	1	
0010	6	468+10	EB IH 94, 27' LT	1	
0010	6	476+02	EB IH 94, 35' LT	1	
0010	6	492+01	EB IH 94, 35' LT	1	
0010	6	502+02	EB IH 94, 35' LT	1	
0010	6	507+90	EB IH 94, 34' LT	1	
0010	6	515+97	EB IH 94, 25' LT	1	
0010	6	525+00	EB IH 94, 25' LT	1	
0010	6	533+49	EB IH 94, 24' LT	1	
0010	6	542+01	EB IH 94, 23' LT	1	
0010	6	552+21	EB IH 94, 22' LT	1	
0010	6	560+74	EB IH 94, 25' LT	1	
0010	7	571+34	EB IH 94, 26' LT	1	
0010	7	583+12	EB IH 94, 53' LT	1	
0010	7	641+00	EB IH 94, 53' LT	1	
0010	7	648+00	EB IH 94, 41' LT	1	
0010	7	654+00	EB IH 94, 50' LT	1	
0010	7	660+98	EB IH 94, 49' LT	1	
0010	7	668+96	EB IH 94, 41' LT	1	
0010	7	675+89	EB IH 94, 31' LT	1	
0010	7	683+98	EB IH 94, 35' LT	1	
0010	7	691+98	EB IH 94, 34' LT	1	
0010	7	696+94	EB IH 94, 40' LT	1	
0010	7	710+93	EB IH 94, 46' LT	1	
0010	7	719+95	EB IH 94, 60' LT	1	
0010	7	723+55	EB IH 94, 63' LT	1	
0010	8	664+91	EB IH 94, 54' LT	1	
			TOTAL 0010	135	

TEMPORARY DITCH CHECKS

CATEGORY	STAGE	STATION TO STATION	LOCATION	628.7504 LF	REMARKS
0010	1	259+45	EB IH 94 RT	12	
0010	1	454+00 - 472+00	EB IH 94 RT	120	
0010	1	484+93	EB IH 94 RT	12	
0010	1	485+25	EB IH 94 RT	12	
0010	1	506+20	EB IH 94 RT	12	
0010	1	552+89	EB IH 94 RT	12	
0010	1	553+21	EB IH 94 RT	12	
0010	2	210+10 - 264+00	IH 94 MEDIAN	84	
0010	2	264+75 - 316+52	IH 94 MEDIAN	120	
0010	2	318+02 - 391+52	IH 94 MEDIAN	192	
0010	2	393+02 - 453+40	IH 94 MEDIAN	144	
0010	2	484+50 - 575+91	IH 94 MEDIAN	144	
0010	3	283+45 - 294+00	WB IH 94 LT	72	
0010	3	322+50 - 328+50	WB IH 94 LT	48	
0010	3	336+50 - 338+00	WB IH 94 LT	24	
0010	3	381+00 - 389+50	WB IH 94 LT	72	
0010	3	395+00 - 407+00	WB IH 94 LT	84	
0010	3	446+25 - 450+00	WB IH 94 LT	36	
0010	3	460+00 - 472+10	WB IH 94 LT	84	
0010	3	481+70 - 482+00	NW RAMP CTH Q LT	24	
0010	3	484+23 - 490+00	NE RAMP CTH Q LT	48	
0010	3	492+00 - 505+50	WB IH 94 LT	84	
0010	3	514+80	WB IH 94 LT	12	
0010	3	528+40	WB IH 94 LT	12	
0010	3	532+62	WB IH 94 LT	12	
0010	3	539+45	WB IH 94 LT	12	
0010	3	555+20	WB IH 94 LT	12	
0010	3	562+80	WB IH 94 LT	12	
0010	4	233+00 - 288+00	IH 94 MEDIAN	120	
0010	4	291+48 - 307+96	IH 94 MEDIAN	12	
0010	4	323+02 - 326+02	IH 94 MEDIAN	12	
0010	4	350+00 - 352+98	IH 94 MEDIAN	12	
0010	4	374+01 - 377+01	IH 94 MEDIAN	12	
0010	4	395+01 - 482+98	IH 94 MEDIAN	180	
0010	4	484+80 - 497+03	IH 94 MEDIAN	24	
0010	4	498+20 - 566+71	IH 94 MEDIAN	108	
0010	5	259+44 - 261+44	EB IH 94 RT	24	
0010	5	276+50 - 283+50	EB IH 94 RT	48	
0010	5	323+00 - 333+26	EB IH 94 RT	72	
0010	5	338+80 - 339+20	EB IH 94 RT	24	
0010	5	343+03	EB IH 94 RT	12	
0010	5	395+50 - 408+50	EB IH 94 RT	84	
0010	5	416+50	EB IH 94 RT	12	
0010	5	422+50 - 430+00	EB IH 94 RT	60	
0010	5	432+97	EB IH 94 RT	12	
0010	5	445+15 - 449+00	EB IH 94 RT	36	
0010	5	457+00 - 471+00	EB IH 94 RT	96	
0010	5	484+87 - 485+13	SE RAMP CTH Q LT	24	
0010	5	488+85	SE RAMP CTH Q LT	12	
0010	5	494+50 - 506+68	EB IH 94 RT	84	
0010	5	513+50 - 517+27	EB IH 94 RT	36	
0010	5	528+80	EB IH 94 RT	12	

TEMPORARY DITCH CHECKS (CONT'D.)

CATEGORY	STAGE	STATION TO STATION	LOCATION	628.7504 LF	REMARKS
0010	6	212+00 - 234+00	IH 94 MEDIAN	144	
0010	6	236+63 - 283+10	IH 94 MEDIAN	288	
0010	6	290+90	IH 94 MEDIAN	12	
0010	6	296+88	IH 94 MEDIAN	12	
0010	6	304+89	IH 94 MEDIAN	12	
0010	6	310+89	IH 94 MEDIAN	12	
0010	6	316+35	IH 94 MEDIAN	12	
0010	6	320+00 - 389+00	IH 94 MEDIAN	432	
0010	6	399+00 - 479+50	IH 94 MEDIAN	276	
0010	6	560+88	IH 94 MEDIAN	12	
0010	7	569+00 - 575+00	IH 94 MEDIAN	48	
0010	7	570+33	WB IH 94 LT	12	
0010	7	573+83	WB IH 94 LT	12	
0010	7	574+50	WB IH 94 LT	12	
0010	7	576+70 - 695+53	IH 94 MEDIAN/EB IH 94 LT	84	
0010	7	581+00 - 582+75	WB IH 94 LT	24	
0010	7	592+62	WB IH 94 LT	12	
0010	7	601+59	WB IH 94 LT	12	
0010	7	607+00	EB IH 94 RT	12	
0010	7	620+52 - 620+72	WB IH 94 LT	24	
0010	7	622+79	WB IH 94 LT	12	
0010	7	625+10	WB IH 94 LT	12	
0010	7	629+77	WB IH 94 LT	12	
0010	7	647+80	WB IH 94 LT	12	
0010	7	653+52	WB IH 94 LT	12	
0010	7	664+28	WB IH 94 LT	12	
0010	7	669+40	WB IH 94 LT	12	
0010	7	672+75 - 674+70	WB IH 94 LT	24	
0010	7	675+37	WB IH 94 LT	12	
0010	7	684+74	WB IH 94 LT	12	
0010	7	702+35 - 722+64	IH 94 MEDIAN	24	
0010	8	557+55 - 566+60	IH 94 MEDIAN	24	
0010	8	566+60 - 584+00	IH 94 MEDIAN	36	
0010	8	573+40 - 575+70	EB IH 94 RT	24	
0010	8	582+00	EB IH 94 RT	12	
0010	8	596+24	IH 94 MEDIAN	12	
0010	8	607+00 - 609+60	EB IH 94 RT	24	
0010	8	611+50 - 613+50	IH 94 MEDIAN	24	
0010	8	614+00 - 616+15	EB IH 94 RT	24	
0010	8	632+00 - 635+77	IH 94 MEDIAN	36	
0010	8	640+85	IH 94 MEDIAN	12	
0010	8	675+75	IH 94 MEDIAN	12	
0010	8	680+00	IH 94 MEDIAN	12	
0010	8	683+85	IH 94 MEDIAN	12	
0010	9	560+88	IH 94 MEDIAN	12	
0010	9	569+00 - 582+95	IH 94 MEDIAN	96	
0010	9	596+75	IH 94 MEDIAN	12	
0010	9	601+93	IH 94 MEDIAN	12	
0010	9	625+00 - 631+15	IH 94 MEDIAN	48	
0010	9	640+85	IH 94 MEDIAN	12	
0010	9	686+00 - 694+00	IH 94 MEDIAN	72	
0010	9	706+00 - 710+85	IH 94 MEDIAN	48	
0010	9	714+00 - 720+00	IH 94 MEDIAN	60	
0010	1 THRU 9	254+50 - 685+00	UNDISTRIBUTED	492	
			TOTAL 0010	5400	

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CULVERT PIPE CHECKS

CATEGORY	STAGE	STATION TO STATION	LOCATION	628.7555 EACH	REMARKS
0010	1	264+93	EB IH 94, 169' RT	3	
0010	1	265+27	EB IH 94, 207' RT	3	
0010	1	420+12	EB IH 94, 83' RT	5	
0010	1	481+49	EB IH 94, 117' RT	7	
0010	1	485+09	EB IH 94, 145' RT	3	
0010	1	519+94	EB IH 94, 66' RT	7	
0010	1	553+07	EB IH 94, 80' RT	5	
0010	3	255+95	WB IH 94, 43' LT	3	
0010	3	265+00	WB IH 94, 41' LT	3	
0010	3	272+25	WB IH 94, 87' LT	5	
0010	3	286+66	WB IH 94, 85' LT	5	
0010	3	382+98	WB IH 94, 102' LT	7	
0010	3	431+62	WB IH 94, 139' LT	7	
0010	3	444+83	WB IH 94, 44' LT	3	
0010	3	453+98	WB IH 94, 98' LT	7	
0010	3	481+84	NW RAMP CTH Q, 30' LT	3	
0010	3	481+94	WB IH 94, 107' LT	7	
0010	3	13+46	CTH Q, 42' RT	5	
0010	3	484+09	NE RAMP CTH Q, 29' LT	3	
0010	3	508+00	WB IH 94, 51' LT	5	
0010	3	520+50	WB IH 94, 74' LT	3	
0010	3	541+90	WB IH 94, 49' LT	3	
0010	5	314+53	EB IH 94, 114' RT	7	
0010	5	339+00	EB IH 94, 79' RT	7	
0010	5	356+61	EB IH 94, 65' RT	7	
0010	5	365+98	EB IH 94, 52' RT	3	
0010	5	413+25	EB IH 94, 65' RT	5	
0010	5	426+66	EB IH 94, 43'RT	3	
0010	5	7+32	CTH Q, 95' LT	3	
0010	5	8+22	CTH Q, 44' RT	3	

CULVERT PIPE CHECKS (CONT'D.)

CATEGORY	STAGE	STATION TO STATION	LOCATION	628.7555 EACH	REMARKS
0010	5	485+03	SE RAMP CTH Q, 34' LT	3	
0010	5	519+94	EB IH 94, 66' RT	7	
0010	5	525+01	EB IH 94, 49' RT	3	
0010	5	553+07	EB IH 94, 79' RT	5	
0010	7	576+09	WB IH 94, 52' LT	3	
0010	7	582+99	WB IH 94, 51' LT	5	
0010	7	594+50	WB IH 94, 131' LT	7	
0010	7	604+26	WB IH 94, 150' LT	5	
0010	7	607+20	EB IH 94, 45' RT	3	
0010	7	611+79	WB IH 94, 162' LT	7	
0010	7	616+06	WB IH 94, 143' LT	7	
0010	7	620+62	WB IH 94, 72' LT	5	
0010	7	630+25	EB IH 94, 26' LT	7	
0010	7	631+91	WB IH 94, 92' LT	5	
0010	7	648+00	WB IH 94, 51' LT	5	
0010	7	653+99	WB IH 94, 47' LT	3	
0010	7	665+60	WB IH 94, 89' LT	7	
0010	7	675+63	WB IH 94, 44' LT	3	
0010	8	592+27	EB IH 94, 25' LT	3	
0010	8	623+21	EB IH 94, 60' LT	7	
0010	8	569+99	EB IH 94, 56' RT	5	
0010	8	575+81	EB IH 94, 54' RT	3	
0010	8	607+20	EB IH 94, 44' RT	3	
0010	1 THRU 9	254+50 - 685+00	UNDISTRIBUTED	49	
			TOTAL 0010	300	

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TRACKING PADS

CATEGORY	STATION	TO	STATION	LOCATION	628.7560 EACH	REMARKS
0010	254+50	-	685+00	IH 94	10	UNDISTRIBUTED
				TOTAL 0010	10	

ROCK BAGS

CATEGORY	STATION	TO	STATION	LOCATION	628.7570 EACH	REMARKS
0010	254+50	-	685+00	IH 94	50	UNDISTRIBUTED
				TOTAL 0010	50	

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DELINEATORS

CATEGORY	STATION	TO	STATION	LOCATION	DELINEATOR POSTS STEEL 633.0100 EACH	DELINEATOR REFLECTORS 633.0500 EACH	COLOR	REMARKS
0010	200+00	-	685+00	WB IH 94, LT	119	119	WHITE	
0010	240+00	-	253+75	WB IH 94, LT	14	28	WHITE	WB ON RAMP TAPER
0010	253+75	-	256+50	RAMP A	3	3	WHITE	
0010	270+10	-	272+00	RAMP C	2	2	WHITE	
0010	272+00	-	282+00	WB IH 94, LT	11	22	WHITE	WB OFF RAMP TAPER
0010	461+30	-	476+75	WB IH 94, LT	16	32	WHITE	WB ON RAMP TAPER
0010	476+75	-	483+10	NW RAMP	6	6	WHITE	
0010	484+00	-	493+00	NE RAMP	9	9	WHITE	
0010	493+00	-	499+00	WB IH 94, LT	7	14	WHITE	WB OFF RAMP TAPER
0010	236+48			WB IH 94, RT	1	2	YELLOW	MAINT XOVER
0010	293+36			WB IH 94, RT	1	2	YELLOW	MAINT XOVER
0010	427+54			WB IH 94, RT	1	2	YELLOW	MAINT XOVER
0010	444+69			WB IH 94, RT	1	2	YELLOW	MAINT XOVER
0010	516+98			WB IH 94, RT	1	2	YELLOW	MAINT XOVER
0010	565+34			WB IH 94, RT	1	2	YELLOW	MAINT XOVER
0010	712+41			WB IH 94, RT	1	2	YELLOW	MAINT XOVER
0010	200+00	-	685+00	EB IH 94, RT	115	115	WHITE	
0010	245+30	-	251+50	EB IH 94, RT	7	14	WHITE	EB OFF RAMP TAPER
0010	251+50	-	256+50	RAMP B	5	5	WHITE	
0010	268+00	-	272+00	RAMP D	4	4	WHITE	
0010	272+00	-	287+00	EB IH 94, RT	16	32	WHITE	EB ON RAMP TAPER
0010	458+50	-	474+65	EB IH 94, RT	17	34	WHITE	EB OFF RAMP TAPER
0010	474+65	-	483+80	SW RAMP	9	9	WHITE	
0010	484+80	-	492+00	SE RAMP	7	7	WHITE	
0010	492+00	-	507+60	EB IH 94, RT	17	34	WHITE	EB ON RAMP TAPER
0010	235+66			EB IH 94, LT	1	2	YELLOW	MAINT XOVER
0010	292+54			EB IH 94, LT	1	2	YELLOW	MAINT XOVER
0010	426+71			EB IH 94, LT	1	2	YELLOW	MAINT XOVER
0010	443+86			EB IH 94, LT	1	2	YELLOW	MAINT XOVER
0010	516+16			EB IH 94, LT	1	2	YELLOW	MAINT XOVER
0010	564+51			EB IH 94, LT	1	2	YELLOW	MAINT XOVER
0010	711+59			EB IH 94, LT	1	2	YELLOW	MAINT XOVER
				TOTAL 0010	398	517		

MARKERS CULVERT END

CATEGORY	STATION	TO	STATION	LOCATION	633.5200 EACH	REMARKS
0010	254+50	-	685+00	WB IH 94, LT	60	
0010	254+50	-	685+00	EB IH 94, RT	48	
0010	2+30			310th STREET, LT/RT	2	
0010	11+37			50th AVENUE, LT/RT	2	
0010	481+85			NW RAMP, LT/RT	2	
0010	482+07			SW RAMP, RT	1	
0010	12+75			COUNTY Q, LT/RT	2	
0010	484+08			NE RAMP, LT/RT	2	
0010	485+03			SE RAMP, LT/RT	2	
0010	493+09			SE RAMP, RT	1	
				TOTAL 0010	122	

DELINEATORS TEMPORARY

CATEGORY	STAGE	STATION	-	STATION	LOCATION	633.1100 EACH	REMARKS
0010	2B	0+00'EBS2'	-	43+00'EBS2'	EB IH 94	44	RT
	2B	47+00'EBS2'	-	67+00'EBS2'	EB IH 94	21	RT
	2B	200+00'EBS2'	-	270+00'EBS2'	EB IH 94	71	RT
	2B	285+00'EBS2'	-	363+00'EBS2'	EB IH 94	79	RT
0010	4A	11+22'WBS4'	-	36+00'WBS4'	WB IH 94	25	LT
	4A	51+00'WBS4'	-	66+00'WBS4'	WB IH 94	16	LT
	4A	76+50'WBS4'	-	95+00'WBS4'	WB IH 94	19	LT
	4A	208+00'WBS4'	-	223+65'WBS4'	WB IH 94	16	LT
	4A	255+45'WBS4'	-	270+25'WBS4'	WB IH 94	15	LT
	4A	292+25'WBS4'	-	323+25'WBS4'	WB IH 94	32	LT
	4A	331+44'WBS4'	-	346+68'WBS4'	WB IH 94	16	LT
	4A	353+00'WBS4'	-	355+85'WBS4'	WB IH 94	3	LT
0010	5	8+00'EBS6'	-	67+00'EBS6'	EB IH 94	61	RT
	5	81+00'EBS6'	-	103+00'EBS6'	EB IH 94	23	RT
	5	94+00'WBS6'	-	103+00'WBS6'	WB IH 94	10	LT
	5	113+57'EBS6'	-	182+51'EBS6'	EB IH 94	69	RT
	5	116+45'WBS6'	-	185+90'WBS6'	WB IH 94	70	LT
	5	188+59'EBS6'	-	221+26'EBS6'	EB IH 94	33	RT
	5	191+54'WBS6'	-	216+05'WBS6'	WB IH 94	25	LT
	5	239+45'EBS6'	-	243+00'EBS6'	EB IH 94	4	RT
	5	301+00'EBS6'	-	323+00'EBS6'	EB IH 94	23	RT
	5	337+00'EBS6'	-	352+58'EBS6'	EB IH 94	16	RT
0010	7B	12+45'EBS7'	-	20+25'EBS7'	EB IH 94	8	RT
	7B	23+45'EBS7'	-	27+00'EBS7'	EB IH 94	4	RT
	7B	48+27'EBS7'	-	65+69'EBS7'	EB IH 94	18	RT
	7B	75+75'EBS7'	-	104+16'EBS7'	EB IH 94	29	RT
	7B	114+71'EBS7'	-	121+32'EBS7'	EB IH 94	7	RT
	7B	145+76'EBS7'	-	164+00'EBS7'	EB IH 94	19	RT
0010	7G	32+00'WBS7D'	-	40+00'WBS7D'	WB IH 94	8	LT
	7G	44+42'WBS7D'	-	48+64'WBS7D'	WB IH 94	5	LT
	7G	69+70'WBS7D'	-	84+69'WBS7D'	WB IH 94	15	LT
	7G	90+96'WBS7D'	-	111+25'WBS7D'	WB IH 94	21	LT
	7G	117+96'WBS7D'	-	130+86'WBS7D'	WB IH 94	13	LT
0010	7M	26+49'WBS8'	-	48+41'WBS8'	WB IH 94	22	LT
	7M	68+09'WBS8'	-	84+92'WBS8'	WB IH 94	17	LT
	7M	94+44'WBS8'	-	110+91'WBS8'	WB IH 94	17	LT
	7M	118+43'WBS8'	-	130+86'WBS8'	WB IH 94	13	LT
0010	8F	11+75'EBS8D'	-	18+90'EBS8D'	EB IH 94	8	RT
	8F	23+23'EBS8D'	-	25+25'EBS8D'	EB IH 94	3	RT
	8F	51+87'EBS8D'	-	65+10'EBS8D'	EB IH 94	14	RT
	8F	74+00'EBS8D'	-	104+00'EBS8D'	EB IH 94	31	RT
	8F	115+41'EBS8D'	-	120+80'EBS8D'	EB IH 94	6	RT
					TOTAL 0010	969	

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SIGNING ITEMS

CATEGORY	SIGN NO.	SIGN CODE	APPROX. STATION	LOCATION	SIZE (INCHES)	SIGN DESCRIPTION	POSTS WOOD 4X6-INCH X 14-FT 634.0614 EACH	POSTS WOOD 4X6-INCH X 16-FT 634.0616 EACH	POSTS WOOD 4X6-INCH X 18-FT 634.0618 EACH	POSTS WOOD 4X6-INCH X 20-FT 634.0620 EACH	SIGNS TYPE II REFLECTIVE H 637.2210 SF	REMOVING SIGNS TYPE II 638.2602 EACH	REMOVING SMALL SIGN SUPPORTS 638.3000 EACH	SIGN MOUNTED ON SAME POST AS
0010	1-1	W4-1R	257+70	WB IH 94	48X48	MERGING TRAFFIC RT	---	2	---	---	16.00	1	2	---
0010	1-3	E5-1A	272+10	WB IH 94	72X60	EXIT 28 TRA	---	2	---	---	30.00	1	2	---
0010	2-2	D10-2	289+55	WB IH 94	12X36	MILE 29	1	---	---	---	3.00	1	1	---
0010	2-5	R3-4-B	293+25	WB IH 94	36X48	NO U-TURN	---	1	---	---	12.00	1	---	---
0010	3-3	W5-52R	317+80	WB IH 94	---	CLEARANCE STRIPER DOWN RT	---	---	---	---	---	1	1	---
0010	3-4	W5-52L	317+80	WB IH 94	---	CLEARANCE STRIPER DOWN LT	---	---	---	---	---	1	1	---
0010	3-9	D10-2	342+60	WB IH 94	12X36	MILE 30	1	---	---	---	3.00	1	1	---
0010	5-3	W5-52L	392+65	WB IH 94	---	CLEARANCE STRIPER DOWN LT	---	---	---	---	---	1	1	---
0010	5-4	W5-52R	392+75	WB IH 94	---	CLEARANCE STRIPER DOWN RT	---	---	---	---	---	1	1	---
0010	5-6	D10-2	395+10	WB IH 94	12X36	MILE 31	1	---	---	---	3.00	1	1	---
0010	5-8	R4-3	400+20	WB IH 94	48X60	SLOWER TRAFFIC KEEP RIGHT	---	---	---	2	20.00	1	2	---
0010	6-3	I2-2	425+90	WB IH 94	84X21	ST CROIX CO	---	1	---	---	12.25	1	1	---
0010	6-5	R3-4-B	426+80	WB IH 94	36X48	NO U-TURN	---	---	---	---	12.00	1	---	6-4
0010	6-9	R8-7	435+40	WB IH 94	48X36	EMERGENCY STOPPING ONLY	---	1	---	---	12.00	1	1	---
0010	7-2	R3-4-B	444+00	WB IH 94	36X48	NO U-TURN	---	---	---	---	12.00	1	---	7-1
0010	7-6	D10-2	448+35	WB IH 94	12X36	MILE 32	1	---	---	---	3.00	1	1	---
0010	7-7	R2-1	453+00	WB IH 94	48X60	SPEED LIMIT 70	---	---	---	2	20.00	1	2	---
0010	7-8	J4-1	457+00	WB IH 94	36X54	IH 94 WEST	---	---	1	---	13.50	---	---	---
0010	7-9	J4-1	458+60	WB IH 94	---	IH 94 WEST	---	---	---	---	---	1	1	---
0010	8-5	W4-1R	480+85	WB IH 94	48X48	MERGING TRAFFIC RT	---	2	---	---	16.00	1	2	---
0010	8-9	W5-52L	484+45	WB IH 94	---	CLEARANCE STRIPER DOWN LT	---	---	---	---	---	1	1	---
0010	8-10	W5-52R	484+40	WB IH 94	---	CLEARANCE STRIPER DOWN RT	---	---		---	---	1	1	---
0010	8-12	E5-1A	490+65	WB IH 94	---	EXIT 32 TRA	---	---	---	---	---	1	2	---
0010	8-13	E5-1A	493+50	WB IH 94	72X60	EXIT 32 TRA	---	2	---	---	30.00	---	---	---
0010	8-17	D10-2	500+85	WB IH 94	12X36	MILE 33	1	---	---	---	3.00	1	1	---
0010	9-4	R3-4-B	516+20	WB IH 94	36X48	NO U-TURN	---	---	---	---	12.00	1	---	9-3
0010	10-4	D10-2	553+75	WB IH 94	12X36	MILE 34	---	1	---	---	3.00	1	1	---
0010	11-2	R3-4-B	564+60	WB IH 94	36X48	NO U-TURN	---	---	---	---	12.00	1	---	11-1
0010	13-1	D10-2	610+00	WB IH 94	12X36	MILE 35	1	---	---	---	3.00	1	1	---
0010	15-2	D10-2	660+25	WB IH 94	12X36	MILE 36	---	1	---	---	3.00	1	1	---
0010	1-2	W4-1R	269+00	EB IH 94	48X48	MERGING TRAFFIC RT	---	2	---	---	16.00	1	2	---
0010	2-1	J4-1	285+60	EB IH 94	---	IH 94 EAST	---	---	---	---	---	1	1	---
0010	2-3	D10-2	289+80	EB IH 94	12X36	MILE 29	---	1	---	---	3.00	1	1	---
0010	2-4	R3-4-B	292+50	EB IH 94	36X48	NO U-TURN	---	1	---	---	12.00	1	1	---
0010	2-6	J4-1	294+00	EB IH 94	36X54	IH 94 EAST	---	---	1	---	13.50	---	---	---
0010	2-7	R2-1	295+00	EB IH 94	---	SPEED LIMIT 70	---	---	---	---	---	1	2	---
0010	2-8	R2-1	299+00	EB IH 94	48X60	SPEED LIMIT 70	---	---	---	2	20.00	---	---	---
0010	3-1	W5-52R	316+75	EB IH 94	---	CLEARANCE STRIPER DOWN RT	---	---	---	---	---	1	1	---
0010	3-2	W5-52L	316+75	EB IH 94	---	CLEARANCE STRIPER DOWN LT	---	---	---	---	---	1	1	---
0010	3-8	D10-2	342+70	EB IH 94	12X36	MILE 30	---	1	---	---	3.00	1	1	---
0010	5-1	W5-52R	391+30	EB IH 94	---	CLEARANCE STRIPER DOWN RT	---	---	---	---	---	1	1	---
0010	5-2	W5-52L	391+40	EB IH 94	---	CLEARANCE STRIPER DOWN LT	---	---	---	---	---	1	1	---
0010	5-5	D10-2	395+10	EB IH 94	12X36	MILE 31	---	1	---	---	3.00	1	1	---
0010	5-7	R4-3	400+20	EB IH 94	48X60	SLOWER TRAFFIC KEEP RIGHT	---	---	---	2	20.00	1	2	---
0010	6-1	R8-7	414+50	EB IH 94	48X36	EMERGENCY STOPPING ONLY	---	1	---	---	12.00	1	1	---
0010	6-2	I2-2	425+90	EB IH 94	66X21	DUNN CO	---	1	---	---	9.63	1	1	---
0010	6-4	R3-4-B	426+80	EB IH 94	36X48	NO U-TURN	---	1	---	---	12.00	1	1	6-5
0010	7-1	R3-4-B	444+00	EB IH 94	36X48	NO U-TURN	---	1	---	---	12.00	1	1	7-2
0010	7-5	D10-2	448+20	EB IH 94	12X36	MILE 32	1		---	---	3.00	1	1	---
0010	8-4	E5-1A	474+35	EB IH 94	72X60	EXIT 32 TRA	---	2	---	---	30.00	1	2	---
0010	8-6	W5-52L	483+40	EB IH 94	---	CLEARANCE STRIPER DOWN LT	---	---	---	---	---	1	1	---
0010	8-7	W5-52R	483+40	EB IH 94	---	CLEARANCE STRIPER DOWN RT	---	---	---	---	---	1	1	---
0010	8-11	W4-1R	488+00	EB IH 94	48X48	MERGING TRAFFIC RT	---	2	---	---	16.00	1	2	---
0010	8-16	D10-2	500+70	EB IH 94	12X36	MILE 33	1	---	---	---	3.00	1	1	---
0010	9-1	J4-1	510+75	EB IH 94	---	IH 94 EAST	---	---	---	---	---	1	1	---
0010	9-2	J4-1	513+00	EB IH 94	36X54	IH 94 EAST	---	---	1	---	13.50	---	---	---
0010	9-3	R3-4-B	516+20	EB IH 94	36X48	NO U-TURN	---	1	---	---	12.00	1	1	9-4
0010	9-5	R2-1	518+00	EB IH 94	48X60	SPEED LIMIT 70	---	---	---	2	20.00	1	2	---
0010	10-3	D10-2	553+60	EB IH 94	12X36	MILE 34	1	---	---	---	3.00	1	1	---
0010	11-1	R3-4-B	564+60	EB IH 94	13X48	NO U-TURN	---	1	---	---	12.00	1	1	11-2
0010	12-1	D10-2	607+20	EB IH 94	12X36	MILE 35	1	---	---	---	3.00	1	1	---
0010	15-1	D10-2	660+30	EB IH 94	12X36	MILE 36	1	---	---	---	3.00	1	1	---

(CONTINUED ON NEXT SHEET)

SIGNING ITEMS (CONT'D.)

CATEGORY	SIGN NO.	SIGN CODE	APPROX. STATION	LOCATION	SIZE (INCHES)	SIGN DESCRIPTION	POSTS WOOD 4X6-INCH X 14-FT 634.0614 EACH	POSTS WOOD 4X6-INCH X 16-FT 634.0616 EACH	POSTS WOOD 4X6-INCH X 18-FT 634.0618 EACH	POSTS WOOD 4X6-INCH X 20-FT 634.0620 EACH	SIGNS TYPE II REFLECTIVE H 637.2210 SF	REMOVING SIGNS TYPE II 638.2602 EACH	REMOVING SMALL SIGN SUPPORTS 638.3000 EACH	SIGN MOUNTED ON SAME POST AS
0010	16-1	W3-1	474+50	SW RAMP	48X48	STOP AHEAD	---	2	---	---	16.00	1	2	---
0010	16-2	R7-64	478+60	SW RAMP	48X30	NO PARKING ON RAMP	---	1	---	---	10.00	1	1	---
0010	16-3	D1-1	480+60	SW RAMP	54X15	LA KNAPP	---	1	---	---	5.63	1	1	16-4
0010	16-4	R5-1A	480+60	SW RAMP	36X24	WRONG WAY	---	---	---	---	6.00	1	---	16-3
0010	16-5	R5-1A	480+60	SW RAMP	36X24	WRONG WAY	---	1	---	---	6.00	1	1	---
0010	16-6	R5-57	485+35	SE RAMP	36X36	PEDS ETC. PROHIBITED	1	---	---	---	9.00	1	1	---
0010	16-7	R7-64	487+30	SE RAMP	48X30	NO PARKING ON RAMP	---	1	---	---	10.00	1	1	---
0010	17-1	R7-64	480+65	NW RAMP	48X30	NO PARKING ON RAMP	---	1	---	---	10.00	1	1	---
0010	17-2	R5-57	482+60	NW RAMP	36X36	PEDS ETC. PROHIBITED	1	---	---	---	9.00	1	1	---
0010	17-3	R5-1A	488+20	NE RAMP	36X24	WRONG WAY	---	1	---	---	6.00	1	1	---
0010	17-4	R5-1A	488+20	NE RAMP	36X24	WRONG WAY	---	1	---	---	6.00	1	1	17-5
0010	17-5	D1-1	488+20	NE RAMP	54X15	KNAPP RA	---	---	---	---	5.63	1	---	17-4
0010	17-6	R7-64	489+60	NE RAMP	48X30	NO PARKING ON RAMP	---	1	---	---	10.00	1	1	---
0010	17-7	W3-1	490+90	NE RAMP	---	STOP AHEAD	---	---	---	---	---	1	1	---
0010	17-8	W3-1	493+60	NE RAMP	48X48	STOP AHEAD	---	2	---	---	16.00	---	---	---
0010	18-1	J1-1	0+00	COUNTY Q	24X39	JCT IH 94	---	1	---	---	6.50	1	1	---
0010	18-2	J3-1	9+10	COUNTY Q	24X57	EAST 94 RA	---	---	1	---	9.50	1	1	18-3
0010	18-3	J3-1	9+10	COUNTY Q	24X57	EAST 94 LA	---	---	---	---	9.50	1	---	18-2
0010	18-4	R3-2	9+10	COUNTY Q	24X24	NO LEFT TURN	---	1	---	---	4.00	1	1	---
0010	18-5	R5-1-C	484+18	SW RAMP	36X36	DO NOT ENTER	---	---	---	---	9.00	1	1	18-6
0010	18-6	R1-1	484+18	SW RAMP	36X36	STOP	---	1	---	---	7.46	1	1	18-5
0010	18-7	J3-2	483+60	SW RAMP	48X57	NORTH Q LA/SOUTH Q RA	---	---	1	---	19.00	1	1	---
0010	18-8	R1-1	484+25	SW RAMP	36X36	STOP	---	1	---	---	7.46	1	1	18-9/18-10
0010	18-9	R6-2R	9+67	COUNTY Q	24X30	ONE WAY RA	---	---	---	---	5.00	1	---	18-8
0010	18-10	R6-2L	9+67	COUNTY Q	24X30	ONE WAY LA	---	---	---	---	5.00	1	---	18-8
0010	18-11	R1-1	484+20	SW RAMP	36X36	STOP	---	1	---	---	7.46	1	1	18-12
0010	18-12	R3-2	10+88	COUNTY Q	24X24	NO LEFT TURN	---	---	---	---	4.00	1	---	18-11
0010	18-13	R5-1	10+20	COUNTY Q	36X36	DO NOT ENTER	---	1	---	---	9.00	1	1	18-14
0010	18-14	R3-1	10+20	COUNTY Q	24X24	NO RIGHT TURN	---	---	---	---	4.00	1	---	18-13
0010	18-15	J3-1	10+45	COUNTY Q	24X57	EAST 94 LA	---	---	1	---	9.50	1	1	---
0010	19-1	W1-1L	13+50	COUNTY Q	36X36	LEFT TURN	---	1	---	---	9.00	1	1	19-17
0010	19-2	J3-1	13+80	COUNTY Q	24X57	WEST 94 LA	---	---	1	---	9.50	1	1	---
0010	19-3	R5-1	14+08	COUNTY Q	36X36	DO NOT ENTER	---	1	---	---	9.00	1	1	19-4
0010	19-4	R3-1	14+08	COUNTY Q	24X24	NO RIGHT TURN	---	---	---	---	4.00	1	---	19-3
0010	19-5	R1-1	483+75	NE RAMP	36X36	STOP	---	1	---	---	7.46	1	1	19-6
0010	19-6	R3-2	14+20	COUNTY Q	24X24	NO LEFT TURN	---	---	---	---	4.00	1	---	19-5
0010	19-7	R1-1	483+67	NE RAMP	36X36	STOP	---	1	---	---	7.46	1	1	19-8/19-9
0010	19-8	R6-2L	14+58	COUNTY Q	24X30	ONE WAY LA	---	---	---	---	5.00	1	---	19-7
0010	19-9	R6-2R	14+58	COUNTY Q	24X30	ONE WAY RA	---	---	---	---	5.00	1	---	19-7
0010	19-10	J3-2	484+20	NE RAMP	48X57	SOUTH Q LA/NORTH Q RA	---	---	1	---	19.00	1	1	---
0010	19-11	R1-1	483+80	NE RAMP	36X36	STOP	---	1	---	---	7.46	1	1	19-12
0010	19-12	R5-1-C	483+80	NE RAMP	36X36	DO NOT ENTER	---	---	---	---	9.00	1	1	19-11
0010	19-13	J3-1	15+05	COUNTY Q	24X57	WEST 94 LA	---	---	1	---	9.50	1	1	19-14
0010	19-14	J3-1	15+05	COUNTY Q	24X57	WEST 94 RA	---	---	---	---	9.50	1	---	19-13
0010	19-15	R3-2	15+05	COUNTY Q	24X24	NO LEFT TURN	---	1	---	---	4.00	1	1	---
0010	19-16	J1-1	24+15	COUNTY Q	24X39	JCT IH 94	---	1	---	---	6.50	1	1	---
0010	19-17	W13-1	13+50	COUNTY Q	24X24	25 MPH	---	---	---	---	4.00	1	---	19-1
				TOTAL 0010			13	54	9	10	879.40	103	98	

3

SIGNS TYPE I

CATEGORY	SIGN NO.	APPROX. STATION	LOCATION	SIGN CODE	SIGN SIZE (INCHES)	TYPE/SIZE OF STEEL	POST SIZE	POST LENGTH INSIDE/OUTSIDE	* SIGN SUPPORTS STRUCTURAL STEEL HS 635.0200 LB	SIGN SUPPORTS REPLACING BASE CONNECTION BOLTS 635.0300 EACH	* SIGN SUPPORTS CONCRETE MASONRY 636.0100 CY	* SIGN SUPPORTS STEEL REINFORCEMENT 636.0500 LB	SIGNS TYPE I REFLECTIVE SH 637.1220 SF	REMOVING SIGNS TYPE I 638.2601 EACH	REMOVING STRUCTURAL STEEL SIGN SUPPORTS 638.3100 EACH	SIGN MOUNTED ON SAME POST AS	REMARKS
0010	1-4	279+00	WB IH 94, LT	E11-1D	204X42	---	---	---	---	---	---	---	59.50	---	---	1-5	SIGN BRIDGE S-55-72
0010	1-5	279+00	WB IH 94, LT	E6-1	204X114	---	---	---	---	---	---	---	161.50	---	---	1-4/1-6	SIGN BRIDGE S-55-72
0010	1-6	279+00	WB IH 94, LT	E1-5P	108X30	---	---	---	---	---	---	---	22.50	---	---	1-5	SIGN BRIDGE S-55-72
0010	1-7	280+90	WB IH 94, LT	---	---	---	---	---	---	---	---	---	---	1	1	---	
0010	2-9	302+60	WB IH 94, LT	E3-1	168X84	EXIST	EXIST	EXIST	---	1	---	---	98.00	1	---	---	
0010	2-10	303+15	EB IH 94, RT	E8-1A	192X84	EXIST	EXIST	EXIST	---	1	---	---	112.00	1	---	---	
0010	3-5	320+90	WB IH 94, LT	---	---	---	---	---	---	---	---	---	---	1	1	---	
0010	3-6	324+00	WB IH 94, LT	E1-1A	264X162	2 - TYPE D	W12" X 22.0	27'/27'	1609.0	---	1.8	112	297.00	---	---	3-7	
0010	3-7	324+00	WB IH 94, LT	E1-5P	108X30	---	---	---	---	---	---	---	22.50	---	---	3-6	
0010	6-6	430+00	EB IH 94, RT	E2-1	156X24	---	---	---	---	---	---	---	26.00	---	---	6-7	
0010	6-7	430+00	EB IH 94, RT	E1-1A	132X120	2 - TYPE B	W12" X 16.0	23'/21'	997.0	---	1.6	98	110.00	---	---	6-6/6-8	
0010	6-8	430+00	EB IH 94, RT	E1-5P	108X30	---	---	---	---	---	---	---	22.50	---	---	6-7	
0010	7-3	445+45	EB IH 94, RT	---	---	---	---	---	---	---	---	---	---	1	1	---	
0010	7-4	446+30	WB IH 94, LT	E8-1A	156X90	EXIST	EXIST	EXIST	---	1	---	---	97.50	1	---	---	
0010	7-10	458+50	EB IH 94, RT	E4-1A	168X90	2 - TYPE B	W12" X 16.0	16'/15'	789.0	---	1.6	98	105.00	---	---	7-11	
0010	7-11	458+50	EB IH 94, RT	E1-5P	108X30	---	---	---	---	---	---	---	22.50	---	---	7-10	
0010	7-12	464+80	EB IH 94, RT	---	---	---	---	---	---	---	---	---	---	1	1	---	
0010	8-1	471+00	EB IH 94, RT	E11-1D	168X42	---	---	---	---	---	---	---	49.00	---	---	8-2	SIGN BRIDGE S-17-13
0010	8-2	471+00	EB IH 94, RT	E6-1	168X78	---	---	---	---	---	---	---	91.00	---	---	8-1/8-3	SIGN BRIDGE S-17-13
0010	8-3	471+00	EB IH 94, RT	E1-5P	108X30	---	---	---	---	---	---	---	22.50	---	---	8-2	SIGN BRIDGE S-17-13
0010	8-14	500+00	WB IH 94, LT	E4-1A	168X90	2 - TYPE B	W12" X 16.0	17.5'/16.5'	837.0	---	1.6	98	105.00	1	1	8-15	
0010	8-15	500+00	WB IH 94, LT	E1-5P	108X30	---	---	---	---	---	---	---	22.50	---	---	8-14	
0010	9-6	527+40	EB IH 94, RT	E8-1A	192X84	EXIST	EXIST	EXIST	---	1	---	---	112.00	1	---	---	
0010	10-1	545+75	WB IH 94, LT	E1-1A	132X120	EXIST	EXIST	EXIST	---	1	---	---	110.00	1	---	10-2	
0010	10-2	545+75	WB IH 94, LT	E1-5P	108X30	---	---	---	---	---	---	---	22.50	---	---	10-1	
TOTAL 0010									4232.0	5	6.6	406	1691.00	10	5		

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

SIGN BRIDGE CANTILEVERED (STRUCTURE) 01. S-17-13

CATEGORY	STATION	LOCATION	641.1200.01 LS	* SIGN SUPPORTS CONCRETE MASONRY 636.0100 CY	* SIGN SUPPORTS STEEL COATED REINFORCEMENT HS 636.1500 LB	REMARKS
0010	471+00	EB IH 94, 55.5' RT	1	8	990	S-17-13
		TOTAL 0100	1	8	990	

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

SIGN BRIDGE CANTILEVERED (STRUCTURE) 02. S-55-72

CATEGORY	STATION	LOCATION	641.1200.02 LS	* SIGN SUPPORTS CONCRETE MASONRY 636.0100 CY	* SIGN SUPPORTS STEEL COATED REINFORCEMENT HS 636.1500 LB	REMARKS
0010	279+00	WB IH 94, 55.0' LT	1	8	990	S-55-72
		TOTAL 0110	1	8	990	

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

FLEXIBLE TUBULAR MARKERS

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS 643.0500 EACH	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES 643.0600 EACH	REMARKS
0010	7H THRU 7K	3+00	-	6+75	TEMP WB STAGE 7 C/L	23	23	WB SPLIT XOVER RETURN
0010	7L THRU 7M	6+00	-	9+00	TEMP WB STAGE 7 C/L	22	22	WB SPLIT XOVER RETURN
0010	7H THRU 7M	166+25	-	171+50	TEMP WB STAGE 7 C/L	21	21	WB SPLIT XOVER ENTRY
0010	8C THRU 8E	1+00	-	6+00	TEMP EB STAGE 8 C/L	21	21	EB SPLIT XOVER ENTRY
0010	8G THRU 8H	-0+50	-	1+00	TEMP EB STAGE 8 C/L	6	6	EB SPLIT XOVER ENTRY
0010	8C THRU 8H	160+75	-	165+00	TEMP EB STAGE 8 C/L	25	25	EB SPLIT XOVER RETURN
					TOTAL 0010	118	118	

TRAFFIC CONTROL

CATEGORY		STAGE/LOCATION	DAYS	DRUMS (EACH)	643.0300 DRUMS DAYS	BARRICADES TYPE III (EACH)	643.0420 BARRICADES TYPE III DAYS	WARNING LIGHTS TYPE A (EACH)	643.0705 WARNING LIGHTS TYPE A DAYS	WARNING LIGHTS TYPE C (EACH)	643.0715 WARNING LIGHTS TYPE C DAYS	ARROW BOARDS (EACH)	643.0800 ARROW BOARDS DAYS	SIGNS (EACH)	643.0900 SIGNS DAYS	** 643.0910 COVERING SIGNS TYPE I EACH	SIGNS PCMS WITH CELLULAR COMMUNICATIONS (EACH)	643.1051 SIGNS PCMS WITH CELLULAR COMMUNICATIONS DAYS
0010		1	42	236	9912	-	0	-	0	-	0	-	0	10	420	-	-	0
0010		2	63	29	1827	-	0	-	0	-	0	-	0	46	2898	-	-	0
0010		3	124	147	18228	7	868	6	744	9	1116	-	0	45	5580	-	-	0
0010		4	42	34	1428	-	0	-	0	-	0	-	0	28	1176	-	-	0
0010		5	119	139	16541	28	3332	30	3570	19	2261	-	0	49	5831	-	-	0
0010		6	70	350	24500	-	0	-	0	-	0	-	0	38	2660	-	-	0
0010		7F	7	24	168	-	0	-	0	-	0	-	0	12	84	-	-	0
0010		7J	14	126	1764	6	84	6	84	-	0	-	0	33	462	-	-	0
0010		7M	14	163	2282	6	84	6	84	-	0	-	0	33	462	-	-	0
0010		8A	7	29	203	-	0	-	0	-	0	-	0	18	126	-	-	0
0010		8E	14	53	742	4	56	4	56	-	0	-	0	30	420	-	-	0
0010		8H	14	67	938	5	70	4	56	-	0	-	0	32	448	-	-	0
0010		9	12	200	2400	-	0	-	0	-	0	-	0	17	204	-	-	0
0010		ADVANCED SIGNING	472	-	0	-	0	-	0	-	0	-	0	32	15104	-	7	3304
0010	*	WB TEMP LANE CLOSURES	200	330	66000	20	4000	40	8000	17	3400	2	400	30	6000	-	1	200
0010	*	EB TEMP LANE CLOSURES	200	330	66000	20	4000	40	8000	17	3400	2	400	30	6000	-	1	200
0010		310th STREET	112	20	2240	14	1568	20	2240	-	0	-	0	16	1792	-	-	0
0010		50th AVENUE	112	20	2240	14	1568	20	2240	-	0	-	0	16	1792	-	-	0
0010		COUNTY Q	140	20	2800	14	1960	20	2800	-	0	-	0	28	3920	-	-	0
0010		WB Q RAMP CLOSURES	12	30	360	-	0	-	0	-	0	-	0	2	24	1	4	76
0010		EB Q RAMP CLOSURES	12	30	360	-	0	-	0	-	0	-	0	2	24	1	4	76
		TOTAL 0010			220933		17590		27874		10177		800		55427	2		3856

* NOTE: TEMPORARY LANE CLOSURES PERMITTED IN EACH STAGE DURING OFF-PEAK HOURS.

** 1 CYCLE / 1 SIGN FOR EACH STAGE WITH COUNTY Q RAMP CLOSURES.

TRAFFIC CONTROL SIGNS FIXED MESSAGE

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	643.1000 SF	REMARKS
0010	1 THRU 6	227+00	-	246+00	EB IH 94, RT	9	EXIT 28
0010	1 THRU 6	227+00	-	246+00	EB IH 94, RT	78	STH 128, GLENWOOD CITY, ELMWOOD, TRA
0010	1 THRU 6	458+00	-	469+00	EB IH 94, RT	9	EXIT 32
0010	1 THRU 6	458+00	-	469+00	EB IH 94, RT	28	COUNTY Q, KNAPP, TRA
0010	1 THRU 6	280+00	-	297+00	WB IH 94, LT	9	EXIT 28
0010	1 THRU 6	280+00	-	297+00	WB IH 94, LT	78	STH 128, GLENWOOD CITY, ELMWOOD, TRA
0010	1 THRU 6	501+00	-	503+00	WB IH 94, LT	9	EXIT 32
0010	1 THRU 6	501+00	-	503+00	WB IH 94, LT	28	COUNTY Q, KNAPP, TRA
					TOTAL 0010	248	

TRAFFIC CONTROL INTERIM LANE CLOSURE

CATEGORY	STATION	TO	STATION	LOCATION	643.4100.S EACH	REMARKS
0010	254+50	-	685+00	WB IH 94	200	UNDISTRIBUTED
0010	254+50	-	685+00	EB IH 94	200	UNDISTRIBUTED
				TOTAL 0010	400	

GEOTEXTILE TYPE DF SCHEDULE B

CATEGORY	STATION	TO	STATION	LOCATION	645.0112 SY	REMARKS
0010	207+00	-	685+00	UNDISTRIBUTED	7500	EMBANKMENT/SUBGRADE SEEPAGE
				TOTAL 0010	7500	

GEOGRID TYPE SR

CATEGORY	STATION	TO	STATION	LOCATION	645.0220 SY	REMARKS
0010	207+00	-	685+00	UNDISTRIBUTED	13000	SUBGRADE REPAIR
				TOTAL 0010	13000	

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MARKING LINE EPOXY 4-INCH

CATEGORY	STATION	TO	STATION	LOCATION	646.1020 LF	REMARKS
0010	8+00	-	9+10	COUNTY Q, 12' RT	27	WHITE 3' LINE, 9' GAP
0010	8+00	-	9+75	COUNTY Q, C/L	350	DOUBLE YELLOW CENTERLINE
0010	8+00	-	9+10	COUNTY Q, LT	110	WHITE EDGELINE
0010	10+14	-	14+05	COUNTY Q, LT	391	WHITE EDGELINE
0010	10+21	-	14+06	COUNTY Q, C/L	770	DOUBLE YELLOW CENTERLINE
0010	10+20	-	14+11	COUNTY Q, RT	391	WHITE EDGELINE
0010	15+12	-	18+24	COUNTY Q, LT	312	WHITE EDGELINE
0010	14+50	-	18+24	COUNTY Q, C/L	750	DOUBLE YELLOW CENTERLINE
0010	15+21	-	18+24	COUNTY Q, RT	303	WHITE EDGELINE
				TOTAL 0010	3404	

MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH

CATEGORY	STATION	TO	STATION	LOCATION	646.1545 LF	REMARKS
0010	205+00	-	566+60	EB 94, 12' RT	9038	WHITE DASH LANELINE
0010	566+60	-	733+95	EB 94, 12' RT	4138	WHITE DASH LANELINE
0010	245+81	-	247+82	EB 94, 24' RT	51	WHITE 3' LINE, 9' GAP
0010	205+00	-	566+60	WB 94, 12' LT	9038	WHITE DASH LANELINE
0010	566+60	-	733+47	WB 94, 12' LT	4175	WHITE DASH LANELINE
0010	497+12	-	499+00	WB 94, 24' LT	48	WHITE 3' LINE, 9' GAP
				TOTAL 0010	26488	

MARKING LINE GROOVED WET REF EPOXY 4-INCH

CATEGORY	STATION	TO	STATION	LOCATION	646.1040 LF	REMARKS
0010	205+00	-	245+81	EB 94, 24' RT	4081	WHITE EDGELINE
0010	245+81	-	256+40	EB OFF RAMP, RT	1065	WHITE EDGELINE
0010	251+42	-	256+40	EB OFF RAMP, LT	510	YELLOW EDGELINE
0010	251+42	-	272+10	EB 94, 24' RT	2068	WHITE EDGELINE
0010	267+86	-	272+13	RAMP D, 15' LT	430	YELLOW EDGELINE
0010	267+86	-	287+00	RAMP D, RT	1915	WHITE EDGELINE
0010	287+00	-	458+50	EB 94, 24' RT	17100	WHITE EDGELINE
0010	458+50	-	483+94	SW RAMP, RT	2565	WHITE EDGELINE
0010	474+63	-	484+36	SW RAMP, 15' LT	980	YELLOW EDGELINE
0010	474+44	-	491+98	EB 94, 24' RT	1755	WHITE EDGELINE
0010	484+52	-	492+00	SE RAMP, 15' LT	750	YELLOW EDGELINE
0010	484+79	-	507+60	SE RAMP, RT	2280	WHITE EDGELINE
0010	507+60	-	566+60	EB 94, 24' RT	5907	WHITE EDGELINE
0010	205+00	-	566+60	EB 94, LT	36135	YELLOW EDGELINE
0010	566+60	-	733+95	EB 94, 24' RT	16535	WHITE EDGELINE
0010	566+60	-	733+95	EB 94, LT	16535	YELLOW EDGELINE
						WHITE EDGELINE
0010	205+00	-	240+00	WB 94, 24' LT	3500	WHITE EDGELINE
0010	240+00	-	256+50	WB ON RAMP, LT	1650	WHITE EDGELINE
0010	253+76	-	256+50	WB ON RAMP, RT	285	YELLOW EDGELINE
0010	253+76	-	271+95	WB 94, 24' LT	1819	WHITE EDGELINE
0010	270+21	-	271+98	RAMP C, 15' RT	180	YELLOW EDGELINE
0010	270+21	-	281+95	RAMP C, LT	1175	WHITE EDGELINE
0010	281+95	-	461+65	WB 94, 24' LT	17995	WHITE EDGELINE
0010	461+65	-	483+10	NW RAMP, LT	2122	WHITE EDGELINE
0010	476+68	-	483+35	NW RAMP, 15' RT	665	YELLOW EDGELINE
0010	476+72	-	493+48	WB 94, 24' LT	1676	WHITE EDGELINE
0010	483+56	-	493+48	NE RAMP, 15' RT	1000	YELLOW EDGELINE
0010	483+99	-	499+00	NE RAMP, LT	1505	WHITE EDGELINE
0010	499+00	-	566+60	WB 94, 24' LT	6757	WHITE EDGELINE
0010	205+00	-	566+60	WB 94, RT	36155	YELLOW EDGELINE
0010	566+60	-	733+47	WB 94, 24' LT	16670	WHITE EDGELINE
0010	566+60	-	733+47	WB 94, RT	16670	YELLOW EDGELINE
				TOTAL 0010	220435	

MARKING LINE EPOXY 8-INCH

CATEGORY	STATION	TO	STATION	LOCATION	646.3020 LF	REMARKS
0010	15+12	-	16+44	CTH Q, 12' LT	132	SB RT TURN LANE
				TOTAL 0010	132	

MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH

CATEGORY	STATION	TO	STATION	LOCATION	646.3545 LF	REMARKS
0010	247+82	-	251+42	EB 94, 24' RT	355	WHITE GORE
0010	247+82	-	251+42	EB OFF RAMP, 15' LT	355	WHITE GORE
0010	272+10	-	277+10	EB 94, 24' RT	500	WHITE GORE
0010	272+13	-	276+60	RAMP D, 15' LT	450	WHITE GORE
0010	277+10	-	280+75	EB 94, 24' RT	90	WHITE 3' LINE, 9' GAP
0010	458+50	-	471+15	EB 94, 24' RT	318	WHITE 3' LINE, 9' GAP
0010	471+15	-	474+44	EB 94, 24' RT	350	WHITE GORE
0010	471+15	-	474+63	SW RAMP, 15' LT	300	WHITE GORE
0010	491+98	-	497+74	EB 94, 24' RT	575	WHITE GORE
0010	492+00	-	497+24	SE RAMP, 15' LT	525	WHITE GORE
0010	497+74	-	501+37	EB 94, 24' RT	90	WHITE 3' LINE, 9' GAP
0010	483+77	-	484+25	SW RAMP, RT	100	WHITE GORE AT ISLAND
0010	245+39	-	247+33	WB 94, 24' LT	48	WHITE 3' LINE, 9' GAP
0010	247+33	-	253+76	WB 94, 24' LT	640	WHITE GORE
0010	247+83	-	253+76	WB ON RAMP, 15' RT	590	WHITE GORE
0010	271+95	-	274+97	WB 94, 24' LT	300	WHITE GORE
0010	271+98	-	274+47	RAMP C, 15' RT	250	WHITE GORE
0010	274+97	-	281+95	WB 94, 24' LT	174	WHITE 3' LINE, 9' GAP
0010	467+63	-	471+20	WB 94, 24' LT	90	WHITE 3' LINE, 9' GAP
0010	471+20	-	476+72	WB 94, 24' LT	540	WHITE GORE
0010	471+82	-	476+68	NW RAMP, 15' RT	490	WHITE GORE
0010	493+48	-	497+12	WB 94, 24' LT	365	WHITE GORE
0010	493+48	-	497+12	NE RAMP, 15' RT	365	WHITE GORE
0010	483+68	-	484+13	NE RAMP, LT	90	WHITE GORE AT ISLAND
				TOTAL 0010	7950	

MARKING AERIAL ENFORCEMENT BAR EPOXY

CATEGORY	STATION	TO	STATION	LOCATION	646.5420 LF	REMARKS
0010	254+50	-	685+00	WB IH 94	120	UNDISTRIBUTED
0010	254+50	-	685+00	EB IH 94	120	UNDISTRIBUTED
				TOTAL 0010	240	

MARKING STOP LINE EPOXY 18-INCH

CATEGORY	STATION	LOCATION	646.6120 LF	REMARKS
0010	484+25	SW RAMP, LT	31	EB LT TURN ONTO Q NORTH
0010	484+25	SW RAMP, RT	26	EB RT TURN ONTO Q SOUTH
0010	483+68	NE RAMP, RT	31	WB LT TURN ONTO Q SOUTH
0010	483+68	NE RAMP, LT	26	WB RT TURN ONTO Q NORTH
		TOTAL 0010	114	

COLD WEATHER MARKING EPOXY 4-INCH

646.6464

CATEGORY	STATION	TO	STATION	LOCATION	LF	REMARKS
0010	205+00	-	245+81	EB 94, 24' RT	4081	WHITE EDGELINE
0010	245+81	-	256+40	EB OFF RAMP, RT	1065	WHITE EDGELINE
0010	251+42	-	256+40	EB OFF RAMP, LT	510	YELLOW EDGELINE
0010	251+42	-	272+10	EB 94, 24' RT	2068	WHITE EDGELINE
0010	267+86	-	272+13	RAMP D, 15' LT	430	YELLOW EDGELINE
0010	267+86	-	287+00	RAMP D, RT	1915	WHITE EDGELINE
0010	287+00	-	458+50	EB 94, 24' RT	17100	WHITE EDGELINE
0010	458+50	-	483+94	SW RAMP, RT	2565	WHITE EDGELINE
0010	474+63	-	484+36	SW RAMP, 15' LT	980	YELLOW EDGELINE
0010	474+44	-	491+98	EB 94, 24' RT	1755	WHITE EDGELINE
0010	484+52	-	492+00	SE RAMP, 15' LT	750	YELLOW EDGELINE
0010	484+79	-	507+60	SE RAMP, RT	2280	WHITE EDGELINE
0010	507+60	-	566+60	EB 94, 24' RT	5907	WHITE EDGELINE
0010	205+00	-	566+60	EB 94, LT	36135	YELLOW EDGELINE
0010	566+60	-	733+95	EB 94, 24' RT	16535	WHITE EDGELINE
0010	566+60	-	733+95	EB 94, LT	16535	YELLOW EDGELINE
0010	205+00	-	240+00	WB 94, 24' LT	3500	WHITE EDGELINE
0010	240+00	-	256+50	WB ON RAMP, LT	1650	WHITE EDGELINE
0010	253+76	-	256+50	WB ON RAMP, RT	285	YELLOW EDGELINE
0010	253+76	-	271+95	WB 94, 24' LT	1819	WHITE EDGELINE
0010	270+21	-	271+98	RAMP C, 15' RT	180	YELLOW EDGELINE
0010	270+21	-	281+95	RAMP C, LT	1175	WHITE EDGELINE
0010	281+95	-	461+65	WB 94, 24' LT	17995	WHITE EDGELINE
0010	461+65	-	483+10	NW RAMP, LT	2122	WHITE EDGELINE
0010	476+68	-	483+35	NW RAMP, 15' RT	665	YELLOW EDGELINE
0010	476+72	-	493+48	WB 94, 24' LT	1676	WHITE EDGELINE
0010	483+56	-	493+48	NE RAMP, 15' RT	1000	YELLOW EDGELINE
0010	483+99	-	499+00	NE RAMP, LT	1505	WHITE EDGELINE
0010	499+00	-	566+60	WB 94, 24' LT	6757	WHITE EDGELINE
0010	205+00	-	566+60	WB 94, RT	36155	YELLOW EDGELINE
0010	566+60	-	733+47	WB 94, 24' LT	16670	WHITE EDGELINE
0010	566+60	-	733+47	WB 94, RT	16670	YELLOW EDGELINE
0010	205+00	-	566+60	EB 94, 12' RT	9038	WHITE DASH LANELINE
0010	566+60	-	733+95	EB 94, 12' RT	4138	WHITE DASH LANELINE
0010	245+81	-	247+82	EB 94, 24' RT	51	WHITE 3' LINE, 9' GAP
0010	205+00	-	566+60	WB 94, 12' LT	9038	WHITE DASH LANELINE
0010	566+60	-	733+47	WB 94, 12' LT	4175	WHITE DASH LANELINE
0010	497+12	-	499+00	WB 94, 24' LT	48	WHITE 3' LINE, 9' GAP
				TOTAL 0010	246923	

COLD WEATHER MARKING EPOXY 8-INCH

646.6468

CATEGORY	STATION	TO	STATION	LOCATION	LF	REMARKS
0010	247+82	-	251+42	EB 94, 24' RT	355	WHITE GORE
0010	247+82	-	251+42	EB OFF RAMP, 15' LT	355	WHITE GORE
0010	272+10	-	277+10	EB 94, 24' RT	500	WHITE GORE
0010	272+13	-	276+60	RAMP D, 15' LT	450	WHITE GORE
0010	277+10	-	280+75	EB 94, 24' RT	90	WHITE 3' LINE, 9' GAP
0010	458+50	-	471+15	EB 94, 24' RT	318	WHITE 3' LINE, 9' GAP
0010	471+15	-	474+44	EB 94, 24' RT	350	WHITE GORE
0010	471+15	-	474+63	SW RAMP, 15' LT	300	WHITE GORE
0010	491+98	-	497+74	EB 94, 24' RT	575	WHITE GORE
0010	492+00	-	497+24	SE RAMP, 15' LT	525	WHITE GORE
0010	497+74	-	501+37	EB 94, 24' RT	90	WHITE 3' LINE, 9' GAP
0010	483+77	-	484+25	SW RAMP, RT	100	WHITE GORE AT ISLAND
0010	245+39	-	247+33	WB 94, 24' LT	48	WHITE 3' LINE, 9' GAP
0010	247+33	-	253+76	WB 94, 24' LT	640	WHITE GORE
0010	247+83	-	253+76	WB ON RAMP, 15' RT	590	WHITE GORE
0010	271+95	-	274+97	WB 94, 24' LT	300	WHITE GORE
0010	271+98	-	274+47	RAMP C, 15' RT	250	WHITE GORE
0010	274+97	-	281+95	WB 94, 24' LT	174	WHITE 3' LINE, 9' GAP
0010	467+63	-	471+20	WB 94, 24' LT	90	WHITE 3' LINE, 9' GAP
0010	471+20	-	476+72	WB 94, 24' LT	540	WHITE GORE
0010	471+82	-	476+68	NW RAMP, 15' RT	490	WHITE GORE
0010	493+48	-	497+12	WB 94, 24' LT	365	WHITE GORE
0010	493+48	-	497+12	NE RAMP, 15' RT	365	WHITE GORE
0010	483+68	-	484+13	NE RAMP, LT	90	WHITE GORE AT ISLAND
				TOTAL 0010	7950	

MARKING CHEVRON EPOXY 24-INCH

CATEGORY	STATION	TO	STATION	LOCATION	646.7220 LF	REMARKS
0010	248+22	-	250+77	EB IH 94	200	EB OFF RAMP GORE
0010	472+11	-	473+98	EB IH 94	160	SW RAMP GORE
0010	272+55	-	274+10	WB IH 94	125	RAMP C GORE
0010	493+97	-	496+77	WB IH 94	235	NE RAMP GORE
				TOTAL 0010	720	

MARKING REMOVAL LINE 8-INCH

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	646.9100 LF	REMARKS
0010	2B	247+82	-	251+42	XEB 94, RT	710	EB OFF RAMP GORE AT STH 128
0010	2B	272+00	-	278+50	XEB 94, RT	1000	EB ON RAMP GORE AT STH 128
0010	2B	471+70	-	474+50	XEB 94, RT	560	EB OFF RAMP GORE AT COUNTY Q
0010	2B	492+00	-	498+60	XEB 94, RT	1320	EB ON RAMP GORE AT COUNTY Q
0010							
					TOTAL 0010	3590	

MARKING REMOVAL LINE 4-INCH

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	646.9000 LF	REMARKS
0010	2B	207+00	-	291+00	XEB 94, RT	8400	WHITE EDGELINE
0010	2B	398+00	-	459+00	XEB 94, RT	6100	WHITE EDGELINE
0010	2B	486+00	-	573+00	XEB 94, RT	8700	WHITE EDGELINE
0010	2C	207+00	-	291+00	XEB IH 94 R/L	8400	YELLOW EDGELINE
0010	2C	207+00	-	291+00	XEB 94, RT	2113	WHITE DASH LANELINE
0010	2C	398+00	-	459+00	XEB IH 94 R/L	6100	YELLOW EDGELINE
0010	2C	398+00	-	459+00	XEB 94, RT	1538	WHITE DASH LANELINE
0010	2C	486+00	-	573+00	XEB IH 94 R/L	8700	YELLOW EDGELINE
0010	2C	486+00	-	573+00	XEB 94, RT	2188	WHITE DASH LANELINE
0010	2G	208+50	-	214+50	XWB IH 94 R/L	600	YELLOW EDGELINE
0010	2G	208+50	-	214+50	XWB 94, LT	163	WHITE DASH LANELINE
0010	2G	200+00	-	220+00	XWB 94, LT	2000	WHITE EDGELINE
0010	2G	570+00	-	576+00	XWB IH 94 R/L	600	YELLOW EDGELINE
0010	2G	570+00	-	576+00	XWB 94, LT	163	WHITE DASH LANELINE
0010	7B	560+00	-	724+00	XEB 94, RT	16210	WHITE EDGELINE
0010	7C	560+00	-	724+00	XEB IH 94 R/L	16210	YELLOW EDGELINE
0010	7C	560+00	-	724+00	XEB 94, RT	4063	WHITE DASH LANELINE
0010	7G	557+00	-	696+00	XWB 94, LT	13900	WHITE EDGELINE
0010	7G	557+00	-	562+00	XWB IH 94 R/L	500	YELLOW EDGELINE
0010	7G	720+00	-	725+00	XWB IH 94 R/L	500	YELLOW EDGELINE
0010	8B	556+00	-	560+00	XEB IH 94 R/L	400	YELLOW EDGELINE
					TOTAL 0010	107548	

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TEMPORARY MARKING LINE PAINT 4-INCH

649.0105

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	LF		REMARKS
0010	2B	2+00	-	85+95	STAGE 3 EB C/L	2113	*	WHITE DASH LANELINE
0010	2B	2+00	-	85+95	STAGE 3 EB C/L, RT	8400		WHITE EDGELINE
0010	2B	192+85	-	367+90	STAGE 3 EB C/L	4388	*	WHITE DASH LANELINE
0010	2B	192+85	-	367+90	STAGE 3 EB C/L, RT	17505		WHITE EDGELINE
0010	2C	2+00	-	85+95	STAGE 3 EB C/L, LT	8400		YELLOW EDGELINE
0010	2C	192+85	-	367+90	STAGE 3 EB C/L, LT	17505		YELLOW EDGELINE
0010	2G	2+00	-	372+00	STAGE 3 WB C/L, RT	37000		YELLOW EDGELINE
0010	2G	2+00	-	372+00	STAGE 3 WB C/L	9263	*	WHITE DASH LANELINE
0010	2G	2+00	-	372+00	STAGE 3 WB C/L, LT	37000		WHITE EDGELINE
0010	2G	4+50	-	15+00	STAGE 3 WB C/L, LT	1950		WB ON RAMP WHITE EDGELINE
0010	2G	4+90	-	15+00	STAGE 3 WB C/L, LT	1010		WB ON RAMP YELLOW EDGELINE
0010	2G	63+60	-	90+70	STAGE 3 WB C/L, LT	2710		WB OFF RAMP WHITE EDGELINE
0010	2G	63+60	-	89+70	STAGE 3 WB C/L, LT	2610		WB OFF RAMP YELLOW EDGELINE
0010	2G	247+30	-	273+50	STAGE 3 WB C/L, LT	2620		WB ON RAMP WHITE EDGELINE
0010	2G	248+30	-	273+50	STAGE 3 WB C/L, LT	2520		WB ON RAMP YELLOW EDGELINE
0010	2G	283+50	-	293+30	STAGE 3 WB C/L, LT	980		WB OFF RAMP WHITE EDGELINE
0010	2G	283+50	-	292+30	STAGE 3 WB C/L, LT	880		WB OFF RAMP YELLOW EDGELINE
0010	4A	2+00	-	372+00	STAGE 5 WB C/L, RT	37000		YELLOW EDGELINE
0010	4A	2+00	-	372+00	STAGE 5 WB C/L	9263	*	WHITE DASH LANELINE
0010	4A	2+00	-	372+00	STAGE 5 WB C/L, LT	37000		WHITE EDGELINE
0010	4A	45+90	-	51+50	STAGE 5 WB C/L, LT	560		WB ON RAMP WHITE EDGELINE
0010	4A	46+90	-	51+50	STAGE 5 WB C/L, LT	760		WB ON RAMP YELLOW EDGELINE
0010	4A	65+20	-	68+60	STAGE 5 WB C/L, LT	340		WB OFF RAMP WHITE EDGELINE
0010	4A	65+20	-	67+60	STAGE 5 WB C/L, LT	240		WB OFF RAMP YELLOW EDGELINE
0010	4A	269+95	-	273+10	STAGE 5 WB C/L, LT	315		WB ON RAMP WHITE EDGELINE
0010	4A	270+95	-	273+10	STAGE 5 WB C/L, LT	215		WB ON RAMP YELLOW EDGELINE
0010	4A	287+57	-	291+07	STAGE 5 WB C/L, LT	350		WB OFF RAMP WHITE EDGELINE
0010	4A	287+57	-	290+07	STAGE 5 WB C/L, LT	250		WB OFF RAMP YELLOW EDGELINE
0010	4D	2+00	-	370+77	STAGE 5 EB C/L, LT	36877		YELLOW EDGELINE
0010	4D	2+00	-	370+77	STAGE 5 EB C/L	9238	*	WHITE DASH LANELINE
0010	4D	2+00	-	370+77	STAGE 5 EB C/L, RT	36877		WHITE EDGELINE
0010	4D	22+77	-	46+90	STAGE 5 EB C/L, RT	2413		EB OFF RAMP WHITE EDGELINE
0010	4D	23+77	-	46+90	STAGE 5 EB C/L, RT	2313		EB OFF RAMP YELLOW EDGELINE
0010	4D	60+90	-	86+45	STAGE 5 EB C/L, RT	2555		EB ON RAMP WHITE EDGELINE
0010	4D	60+90	-	85+45	STAGE 5 EB C/L, RT	2455		EB ON RAMP YELLOW EDGELINE
0010	4D	253+94	-	270+05	STAGE 5 EB C/L, RT	1611		EB OFF RAMP WHITE EDGELINE
0010	4D	254+94	-	270+05	STAGE 5 EB C/L, RT	1511		EB OFF RAMP YELLOW EDGELINE
0010	4D	284+97	-	292+94	STAGE 5 EB C/L, RT	797		EB ON RAMP WHITE EDGELINE
0010	4D	284+97	-	291+94	STAGE 5 EB C/L, RT	697		EB ON RAMP YELLOW EDGELINE
0010	5	207+00	-	577+00	EB IH 94, RT	37000		YELLOW EDGELINE
0010	5	207+00	-	577+00	EB IH 94, RT	9263	*	WHITE DASH LANELINE
0010	5	207+00	-	577+00	EB IH 94, RT	37000		WHITE EDGELINE
0010	7B	6+50	-	168+55	STAGE 7J EB C/L	4063	*	WHITE DASH LANELINE
0010	7B	6+50	-	168+55	STAGE 7J EB C/L, RT	16205		WHITE EDGELINE
0010	7C	6+50	-	168+55	STAGE 7J EB C/L, LT	16205		YELLOW EDGELINE
0010	7F	3+50	-	173+75	STAGE 7J WB PASSING LANE C/L	13310		WHITE EDGELINE
0010	7F	3+50	-	169+57	STAGE 7J WB PASSING LANE C/L, RT	17025		YELLOW EDGELINE
0010	7G	3+50	-	142+31	STAGE 7J WB DRIVING LANE C/L	13880		WHITE EDGELINE
0010	7G	3+50	-	142+31	STAGE 7J WB DRIVING LANE C/L, LT	13880		WHITE EDGELINE
0010	7J	3+50	-	144+36	STAGE 7M WB DRIVING LANE C/L	14090		WHITE EDGELINE
0010	7J	3+50	-	144+36	STAGE 7M WB DRIVING LANE C/L, LT	14090		WHITE EDGELINE
0010	7M	3+50	-	161+31	STAGE 8E WB C/L, RT	15785		YELLOW EDGELINE
0010	7M	3+50	-	161+31	STAGE 8E WB C/L	3950	*	WHITE DASH LANELINE
0010	7M	3+50	-	161+31	STAGE 8E WB C/L, LT	15785		WHITE EDGELINE
0010	8B	2+50	-	164+41	STAGE 8E EB PASSING LANE C/L, LT	16190		YELLOW EDGELINE
0010	8B	-2+50	-	13+70	STAGE 8E EB PASSING LANE C/L	1620		WHITE EDGELINE
0010	8B	147+98	-	164+41	STAGE 8E EB PASSING LANE C/L	1645		WHITE EDGELINE
0010	8B	2+50	-	154+50	STAGE 8E EB DRIVING LANE C/L, RT	15200		WHITE EDGELINE
0010	8B	4+30	-	15+30	STAGE 8E EB DRIVING LANE C/L	1100		WHITE EDGELINE
0010	8B	144+65	-	162+51	STAGE 8E EB DRIVING LANE C/L	1786		WHITE EDGELINE
0010	8E	0+00	-	151+55	STAGE 8H EB DRIVING LANE C/L	15155		WHITE EDGELINE
0010	8E	0+00	-	151+55	STAGE 8H EB DRIVING LANE C/L, RT	15155		WHITE EDGELINE
					TOTAL 0010	649873		

* PLACED AS SHOWN ON PLANS FOR PERMANENT MARKINGS (12.5' LINES)

TEMPORARY MARKING LINE EPOXY 4-INCH

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	649.0120 LF		REMARKS
0010	3	207+00	-	577+00	WB IH 94 R/L	37000		OVER-WINTER YELLOW EDGELINE
0010					WB IH 94, LT	9263	*	OVER-WINTER WHITE DASH LANELINE
0010					WB IH 94, LT	37000		OVER-WINTER WHITE EDGELINE
0010	3	497+12	-	499+00	WB IH 94, LT	48		OVER-WINTER WHITE 3'LINE, 9' GAP
0010	3	207+00	-	573+00	XEB 94 R/L	36600		OVER-WINTER YELLOW EDGELINE
0010					XEB 94, RT	9163	*	OVER-WINTER WHITE DASH LANELINE
0010					XEB 94, RT	36600		OVER-WINTER WHITE EDGELINE
0010	3	245+81	-	247+82	XEB 94, RT	51		OVER-WINTER WHITE 3'LINE, 9' GAP
					TOTAL 0010	165725		

* PLACED AS SHOWN ON PLANS FOR PERMANENT MARKINGS (12.5' LINES)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	649.0150 LF	REMARKS
0010	3	65+25	-	90+70	STAGE 3 WB C/L, LT	2545	WB OFF RAMP YELLOW EDGELINE FOR STAGE 3B
0010	3	65+25	-	92+60	STAGE 3 WB C/L, LT	2735	WB OFF RAMP WHITE EDGELINE FOR STAGE 3B
0010	5	63+00	-	89+82	STAGE 5 EB C/L, RT	2682	EB ON RAMP YELLOW EDGELINE FOR STAGE 5B
0010	5	63+00	-	90+82	STAGE 5 EB C/L, RT	2782	EB ON RAMP WHITE EDGELINE FOR STAGE 5B
					TOTAL 0010	10744	

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TEMPORARY MARKING LINE PAINT 8-INCH

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	649.0205 LF	REMARKS
0010	2B	43+80	-	44+80	STAGE 3 EB C/L, RT	200	EB OFF RAMP GORE
0010	2B	69+00	-	70+00	STAGE 3 EB C/L, RT	200	EB ON RAMP GORE
0010	2B	267+00	-	269+30	STAGE 3 EB C/L, RT	330	EB OFF RAMP GORE
0010	2B	286+80	-	287+80	STAGE 3 EB C/L, RT	200	EB ON RAMP GORE
0010	2G	3+90	-	4+90	STAGE 3 WB C/L, LT	200	WB ON RAMP GORE
0010	2G	89+70	-	91+70	STAGE 3 WB C/L, LT	300	WB OFF RAMP GORE
0010	2G	247+30	-	248+30	STAGE 3 WB C/L, LT	200	WB ON RAMP GORE
0010	2G	292+30	-	293+30	STAGE 3 WB C/L, LT	200	WB OFF RAMP GORE
0010	4A	45+90	-	46+90	STAGE 5 WB C/L, LT	200	WB ON RAMP GORE
0010	4A	67+60	-	68+60	STAGE 5 WB C/L, LT	340	WB OFF RAMP GORE
0010	4A	269+95	-	270+95	STAGE 5 WB C/L, LT	200	WB ON RAMP GORE
0010	4A	290+07	-	291+07	STAGE 5 WB C/L, LT	300	WB OFF RAMP GORE
0010	4D	22+00	-	23+77	STAGE 5 EB C/L, RT	277	EB OFF RAMP GORE
0010	4D	85+45	-	86+45	STAGE 5 EB C/L, RT	200	EB ON RAMP GORE
0010	4D	253+94	-	254+94	STAGE 5 EB C/L, RT	200	EB OFF RAMP GORE
0010	4D	291+94	-	292+94	STAGE 5 EB C/L, RT	200	EB ON RAMP GORE
					TOTAL 0010	3747	

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	649.0250 LF	REMARKS
0010	3	90+70	-	91+90	STAGE 3 WB C/L, LT	240	WB OFF RAMP GORE FOR STAGE 3B
0010	5	89+82	-	90+82	STAGE 5 EB C/L, RT	200	EB ON RAMP GORE FOR STAGE 5B
0010	5	248+88	-	249+88	EB IH 94, RT	200	EB OFF RAMP GORE FOR STAGE 6
0010	5	273+00	-	274+00	EB IH 94, RT	200	EB ON RAMP GORE FOR STAGE 6
0010	5	472+70	-	473+70	EB IH 94, RT	200	EB OFF RAMP GORE FOR STAGE 6
0010	5	493+35	-	494+35	EB IH 94, RT	200	EB ON RAMP GORE FOR STAGE 6
					TOTAL 0010	1240	

TEMPORARY MARKING LINE EPOXY 8-INCH

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	649.0220 LF	REMARKS
0010	3	247+82	-	251+42	XEB 94, RT	710	OVER-WINTER EB OFF RAMP GORE AT STH 128
0010	3	272+00	-	278+50	XEB 94, RT	1000	OVER-WINTER EB ON RAMP GORE AT STH 128
0010	3	471+70	-	474+50	XEB 94, RT	560	OVER-WINTER EB OFF RAMP GORE AT COUNTY Q
0010	3	492+00	-	498+60	XEB 94, RT	1320	OVER-WINTER EB ON RAMP GORE AT COUTNY Q
0010	3	245+39	-	247+33	WB IH 94, LT	48	OVER-WINTER WHITE 3' LINE, 9' GAP
0010	3	247+33	-	253+76	WB IH 94, LT	1230	OVER-WINTER WB ON RAMP GORE AT STH 128
0010	3	271+95	-	274+97	WB IH 94, LT	550	OVER-WINTER WB OFF RAMP GORE AT STH 128
0010	3	274+97	-	281+95	WB IH 94, LT	174	OVER-WINTER WHITE 3' LINE, 9' GAP
0010	3	467+63	-	471+20	WB IH 94, LT	90	OVER-WINTER WHITE 3' LINE, 9' GAP
0010	3	471+20	-	476+72	WB IH 94, LT	1030	OVER-WINTER WB ON RAMP GORE AT COUNTY Q
0010	3	493+48	-	497+12	WB IH 94, LT	730	OVER-WINTER WB OFF RAMP GORE AT COUNTY Q
					TOTAL 0010	7442	

TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE I

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	649.0760 EACH	REMARKS
0010	2G	2+25	-	10+25	STAGE 3 EB C/L	33	
0010	2G	361+50	-	367+50	STAGE 3 EB C/L	25	
0010	3	3+05	-	15+30	STAGE 3 WB C/L	50	
0010	3	358+40	-	370+90	STAGE 3 WB C/L	51	
0010	5	4+00	-	15+50	STAGE 5 EB C/L	47	
0010	5	358+25	-	370+75	STAGE 5 EB C/L	51	
0010	5	5+20	-	11+20	STAGE 5 WB C/L	25	
0010	5	361+60	-	367+60	STAGE 5 WB C/L	25	
0010	6	2+25	-	10+25	STAGE 6 EB C/L	33	
0010	6	361+40	-	367+40	STAGE 6 EB C/L	25	
0010	7B	0+00	-	13+00	STAGE 7J EB C/L	53	
0010	7B	162+25	-	178+50	STAGE 7J EB C/L	66	
0010	7M	5+50	-	11+50	STAGE 8E WB C/L	25	
0010	7M	155+30	-	161+30	STAGE 8E WB C/L	25	
					TOTAL 0010	534	

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CONSTRUCTION STAKING ITEMS

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	CONSTRUCTION STAKING SUBGRADE 650.4500 LF	CONSTRUCTION STAKING BASE 650.5000 LF	CONSTRUCTION STAKING CONCRETE PAVEMENT 650.7000 LF	CONSTRUCTION STAKING SLOPE STAKES 650.9920 LF	REMARKS
0010	1	243+00	-	274+00	XEB 94, RT	3100	3100		3100	TEMP OUTSIDE WIDENING
0010	1	452+56	-	483+66	XEB 94, RT	3110	3110		3110	TEMP OUTSIDE WIDENING
0010	1	484+31	-	504+30	XEB 94, RT	1999	1999		1999	TEMP OUTSIDE WIDENING
0010	2A	200+00	-	216+80	XWB 94, LT	1680	1680		1680	TEMP OUTSIDE WIDENING
0010	2G	208+42	-	316+97	XEB 94, LT	10855	10855		10855	TEMP MEDIAN WIDENING/ROADWAY
0010	2G	317+62	-	391+76	XEB 94, LT	7414	7414		7414	TEMP MEDIAN WIDENING/ROADWAY
0010	2G	392+41	-	483+26	XEB 94, LT	9085	9085		9085	TEMP MEDIAN WIDENING/ROADWAY
0010	2G	484+45	-	572+11	XEB 94, LT	8766	8766		8766	TEMP MEDIAN WIDENING/ROADWAY
0010	3	254+50	-	316+08	WB IH 94	6158		6158	6158	WB MAINLINE
0010	3	318+08	-	391+28	WB IH 94	7320		7320	7320	WB MAINLINE
0010	3	392+94	-	482+89	WB IH 94	8995		8995	8995	WB MAINLINE
0010	3	484+86	-	566+60	WB IH 94	8174		8174	8174	WB MAINLINE
0010	3	270+21	-	272+00	RAMP C	179		179	179	RAMPC
0010	3	476+75	-	483+84	NW RAMP	709		709	709	NW RAMP
0010	3	483+44	-	493+50	NE RAMP	1006		1006	1006	NE RAMP
0010	4C	208+94	-	299+35	WB IH 94, RT	9041	9041		9041	TEMP MEDIAN WIDENING
0010	4C	412+72	-	482+89	WB IH 94, RT	7017	7017		7017	TEMP MEDIAN WIDENING
0010	4C	484+86	-	576+00	WB IH 94, RT	9114	9114		9114	TEMP MEDIAN WIDENING
0010	5	254+50	-	316+50	EB IH 94	6200		6200	6200	EB MAINLINE
0010	5	318+08	-	391+11	EB IH 94	7303		7303	7303	EB MAINLINE
0010	5	392+76	-	482+95	EB IH 94	9019		9019	9019	EB MAINLINE
0010	5	484+92	-	566+60	EB IH 94	8168		8168	8168	EB MAINLINE
0010	5	267+87	-	272+00	RAMP D	413		413	413	RAMP D
0010	5	474+75	-	484+48	SW RAMP	973		973	973	SW RAMP
0010	5	484+03	-	492+00	SE RAMP	797		797	797	SE RAMP
0010		8+00	-	16+21	COUNTY Q	821	821		821	COUNTY Q
0010	7F	562+59	-	695+53	XEB 94, LT	13100	13100		13100	TEMP MEDIAN WIDENING
0010	7F	702+35	-	724+19	XEB 94, LT	2184	2184		2184	TEMP MEDIAN WIDENING
0010	7J/7M	566+60	-	685+00	WB IH 94	11840		11840	11840	WB MAINLINE
0010	8A	557+52	-	567+20	WB IH 94, RT	968	968		968	MEDIAN XOVERS
0010	8A	702+54	-	717+39	WB IH 94, RT	1485	1485		1485	MEDIAN XOVERS
0010	8E/8H	566+60	-	685+00	EB IH 94	11640		11640	11640	EB MAINLINE
					TOTAL 0010	178633	89739	88894	178633	

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CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	650.5500 LF	REMARKS
0010	3	318+08	-	318+48	WB IH 94, LT	40	B-55-247
0010	3	390+95	-	391+35	WB IH 94, LT	40	B-55-245
0010	3	483+10	-	483+60	NW RAMP, LT	76	NW RADIUS AT COUNTY Q
0010	3	483+35	-	483+60	NW RAMP, RT	36	SW RADIUS AT COUNTY Q
0010	3	483+61	-	483+83	NE RAMP, LT	55	ISLAND
0010	3	483+64	-	484+00	NE RAMP, LT	61	NE RADIUS AT COUNTY Q
0010	5	318+08	-	318+48	EB IH 94, RT	40	B-55-248
0010	5	390+65	-	391+05	EB IH 94, RT	40	B-55-246
0010	5	482+61	-	483+01	EB IH 94, RT	40	B-17-214
0010	5	483+93	-	484+30	SW RAMP, RT	57	SW RADIUS AT COUNTY Q
0010	5	484+09	-	484+31	SW RAMP, RT	54	ISLAND
0010	5	484+27	-	484+52	SE RAMP, LT	36	NE RADIUS AT COUNTY Q
0010	5	484+27	-	484+79	SE RAMP, RT	81	SE RADIUS AT COUNTY Q
0010	6	318+08	-	318+48	EB IH 94, LT	40	B-55-248
0010	6	318+08	-	318+48	WB IH 94, RT	40	B-55-247
0010	6	390+75	-	391+15	EB IH 94, LT	40	B-55-246
0010	6	390+84	-	391+25	WB IH 94, RT	40	B-55-245
0010	6	482+44	-	482+84	WB IH 94, LT	40	B-17-215
0010	6	482+51	-	482+91	WB IH 94, RT	40	B-17-215
0010	6	482+55	-	482+95	EB IH 94, LT	40	B-17-214
					TOTAL 0010	936	

CONSTRUCTION STAKING CONCRETE BARRIER

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	650.7500 LF	REMARKS
0010	3	576+10	-	576+70	WB IH 94, 33.7' LT	60	B-17-20 COLUMN PROTECTION
0010	5	576+10	-	576+75	EB IH 94, 33.7' RT	65	B-17-20 COLUMN PROTECTION
					TOTAL 0010	125	

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REMOVING CCTV CAMERA

CATEGORY	STATION	LOCATION	677.9200.S EACH	REMARKS
0080	484+68	'XEB' 94, 67' RT	1	EX-CCTV-17-0027
		TOTAL 0080	1	

FTMS EACH ITEM REMOVALS

CATEGORY 0080

ROADWAY	ITEM	204.0195 REMOVING CONCRETE BASES EACH	653.0905 REMOVING PULLBOXES EACH	677.9050.S SALVAGE 50-FOOT CAMERA POLE WITH LOWERING SYSTEM EACH
IH 94	EX-DMS-17-0031	2	--	--
	EX-CCTV-17-0027	1	--	1
	EXPBQ01	--	1	--
	EXPBQ02	--	1	--
TOTALS		3	2	1

FTMS EACH ITEMS AND VAULTS

CATEGORY 0080

ROADWAY	ITEM ID	652.0700.S INSTALL CONDUIT INTO EXISTING ITEM EACH	653.0140 PULL BOXES STEEL 24X42-INCH EACH	654.1150 CONCRETE BASES CAMERA POLE 50-FT EACH	673.0225.S INSTALL POLE MOUNTED CABINET EACH	677.0150 INSTALL CAMERA POLE 50-FT EACH	677.0200 INSTALL CAMERA ASSEMBLY EACH	678.0400 FIBER OPTIC TERMINATION EACH	678.0600 INSTALL ETHERNET SWITCHES EACH
IH 94									
	EXPBQ01	1	--	--	--	--	--	--	--
	PBQ02	--	1	--	--	--	--	--	--
	CCTV-17-0027 (REVISED)	--	--	1	1	1	1	6	1
	PB575	--	1	--	--	--	--	--	--
	DMS-17-0031 / DMS-17-0031 (REVISED)	--	--	--	--	--	--	--	--
TOTALS		1	2	1	1	1	1	6	1

FTMS LINEAR FOOT ITEMS

CATEGORY 0080

ROADWAY	ITEM ID	LINEAR DISTANCE	652.0125 CONDUIT RIGID METALLIC 2-INCH LF	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	655.0525 ELECTRICAL WIRE TRAFFIC SIGNALS 6 AWG LF	674.0400 REINSTALL CABLE LF
IH 94						
	EXPBQ01 - PBQ02	60	--	120	--	60
	PBQ02 - CCTV-17-0027 (REVISED)	10	10	10	--	20
	MB576 - PB575	320	--	320	960	--
	PB575 - DMS-17-0031 (REVISED)	20	20	--	60	--
TOTALS			30	450	1020	80

HYBRID DMS RELOCATION ITEMS

CATEGORY 0080

ITEM I.D.	LOCATION	* 635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS LB	* 636.0100 SIGN SUPPORTS CONCRETE MASONRY CY	* 636.0500 SIGN SUPPORTS STEEL REINFORCEMENT LB	SPV.0060.04 RELOCATING HYBRID DMS ASSEMBLY EACH
DMS-17-0031	IH 94 EB AT 160TH ST. (DUNN COUNTY)	293.0	1.6	98	1
	TOTALS	293	1.6	98	1

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

FTMS LUMP SUM ITEMS

CATEGORY 0080

ROADWAY	LOCATION	670.0100 FIELD SYSTEM INTEGRATOR LS	670.0200 ITS DOCUMENTATION LS
IH 94	IH 94	1	1
TOTALS		1	1

FTMS LINEAR FOOT REMOVALS

CATEGORY 0080

ROADWAY	ITEM ID	LINEAR DISTANCE	674.0300 REMOVE CABLE LF
IH 94	EXPB01 - EXPB02	90	90
	EXPB02 - EX-CCTV-17-0027	20	20
	EXPB02 - EX-DMS-17-0031	30	30
TOTALS			140

FTMS ELECTRICAL ITEMS

CATEGORY 0080

ROADWAY	ITEM ID	656.0200.001 ELECTRICAL SERVICE METER BREAKER PEDESTAL (MB576) LS	656.0500.001 ELECTRICAL SERVICE BREAKER DISCONNECT BOX (CCTV-17-0027) LS
IH 94	MB576	1	--
	CCTV-17-0027 (REVISED)	--	1
TOTALS		1	1

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SAWING ASPHALT

CATEGORY	STAGE	STATION	STATION	LOCATION	690.0150 LF	REMARKS
0010	1	243+00	248+41	IH 94 EB EXISTING	541	OUTSIDE SHOULDER
	1	254+54	272+54	IH 94 EB EXISTING	1800	OUTSIDE SHOULDER
	1	452+00	483+43	IH 94 EB EXISTING	3143	OUTSIDE SHOULDER
	1	484+48	506+00	IH 94 EB EXISTING	2152	OUTSIDE SHOULDER
	1	475+43		SW RAMP REF LINE	24	CTH Q SW RAMP
	1	490+19		SE RAMP REF LINE	24	CTH Q SE RAMP
0010	2G	208+43	218+75	IH 94 WB EXISTING	1032	MEDIAN SHOULDER
	2G	7+70	86+72	WEST-STAGE-3-EB-CENTERLINE	7902	MEDIAN SHOULDER
	2G	271+56	272+77	IH 94 WB EXISTING	121	OUTSIDE SHOULDER
	2G	268+50	270+01	RAMP 128 C	151	RT SHOULDER
	2G	272+79	294+49	IH 94 WB EXISTING	2170	MEDIAN SHOULDER
	2G	194+35	278+23	WEST-STAGE-3-EB-CENTERLINE	8388	MEDIAN SHOULDER
	2G	456+56	458+32	IH 94 WB EXISTING	176	MEDIAN SHOULDER
	2G	496+08	497+47	IH 94 WB EXISTING	139	MEDIAN SHOULDER
	2G	484+45	570+05	WEST-STAGE-3-EB-CENTERLINE	8560	MEDIAN SHOULDER
	2G	564+00	577+11	IH 94 WB EXISTING	1311	MEDIAN SHOULDER
0010	3	256+50		IH 94 WB REF LINE	13	SHOULDERS
	3	270+21		RAMP 128 C	8	RAMP SHOULDERS
	3	569+25		IH 94 WB REF LINE	10	LT, SHOULDER
0010	4	208+94	230+86	IH 94 EB EXISTING	2204	MEDIAN SHOULDER
	4	230+86	289+55	IH 94 EB EXISTING	5869	MEDIAN SHOULDER
	4	289+55	291+77	IH 94 EB EXISTING	222	MEDIAN SHOULDER
	4	84+50		RAMP 128 D TEMPORARY 5A	24	TRANSVERSE
	4	102+92		WEST-STAGE-5-EB-CENTERLINE	33	TRANSVERSE
	4	190+00		WEST-STAGE-5-EB-CENTERLINE	33	TRANSVERSE
	4	403+03	458+76	IH 94 EB EXISTING	5573	MEDIAN SHOULDER
	4	487+19	576+00	IH 94 EB EXISTING	8881	MEDIAN SHOULDER
	4	361+45	369+67	WEST-STAGE-5-WB-CENTERLINE	822	MEDIAN SHOULDER
0010	5	256+60		IH 94 EB REF LINE	18	SHOULDERS
	5	568+40		IH 94 EB REF LINE	14	SHOULDERS

SAWING ASPHALT (CONT'D.)

CATEGORY	STAGE	STATION	STATION	LOCATION	690.0150 LF	REMARKS
0010	6	10+95	94+30	WEST-STAGE-6-WB-CENTERLINE	8335	MEDIAN SHOULDER
	6	207+86	275+85	WEST-STAGE-6-WB-CENTERLINE	6799	MEDIAN SHOULDER
	6	247+74	268+45	WEST-STAGE-6-WB-CENTERLINE	2071	OUTSIDE SHOULDER
	6	473+47	476+19	NW RAMP REF LINE	272	LT, SHOULDER
	6	279+78	289+00	WEST-STAGE-6-WB-CENTERLINE	922	OUTSIDE SHOULDER
	6	291+68	295+00	NE RAMP TNE6	332	LT, SHOULDER
	6	295+09	297+09	WEST-STAGE-6-WB-CENTERLINE	200	OUTSIDE SHOULDER
	6	279+84	361+55	WEST-STAGE-6-WB-CENTERLINE	8171	MEDIAN SHOULDER
0010	7F	563+40	568+77	IH 94 WB EXISTING	537	MEDIAN SHOULDER
	7F	9+43	9+87	WEST-STAGE-7J-EB-CENTERLINE	68	LT, CROSSOVER
	7F	11+31	156+95	WEST-STAGE-7J-EB-CENTERLINE	14564	MEDIAN SHOULDER
	7F	718+55	722+64	IH 94 WB EXISTING	409	MEDIAN SHOULDER
0010	7J	9+89	13+10	WEST-STAGE-7J-WB-CENTERLINE-DRIVING	321	MEDIAN SHOULDER
	7J	131+31	141+48	WEST-STAGE-7J-WB-CENTERLINE-DRIVING	1017	MEDIAN SHOULDER
0010	7M	13+10		WEST-STAGE-7M-WB-CENTERLINE-DRIVING	10	LT, SHOULDER
	7M	131+35		WEST-STAGE-7M-WB-CENTERLINE-DRIVING	10	LT, SHOULDER
0010	8A	5+79	13+10	WEST-STAGE-8E-WB-CENTERLINE	731	MEDIAN SHOULDER
	8A	4+05	11+31	WEST-STAGE-7M-EB-CENTERLINE	726	MEDIAN SHOULDER
	8A	153+00	160+39	WEST-STAGE-7M-EB-CENTERLINE	739	MEDIAN SHOULDER
	8A	147+10	151+06	WEST-STAGE-8E-WB-CENTERLINE	396	MEDIAN SHOULDER
0010	8E	13+10		WEST-STAGE-8E-EB-CENTERLINE-DRIVING	10	OUTSIDE SHOULDER
	8E	129+51		WEST-STAGE-8E-EB-CENTERLINE-DRIVING	10	OUTSIDE SHOULDER
0010	8H	129+55	140+80	WEST-STAGE-8H-EB-CENTERLINE-DRIVING	1125	MEDIAN SHOULDER
	8H	146+91	150+44	WEST-STAGE-8H-EB-CENTERLINE-DRIVING	353	MEDIAN SHOULDER
0010	9B	557+55	566+60	IH 94 EB REF LINE	905	MEDIAN SHOULDER
	9B	5+79	141+47	WEST-STAGE-8E-WB-CENTERLINE	13568	MEDIAN SHOULDER
	9B	148+85	168+96	WEST-STAGE-8E-WB-CENTERLINE	2011	MEDIAN SHOULDER
	9B	705+88	716+75	IH 94 EB REF LINE	1087	MEDIAN SHOULDER
				PROJECT TOTALS	127057	

3

SAWING CONCRETE

CATEGORY	STAGE	STATION	-	STATION	LOCATION	690.0250 LF	REMARKS
0010	3	254+50			IH 94 WB REF LINE	24	TRANSVERSE
	3	271+56		293+27	IH 94 WB REF LINE	2201	LT, PAVEMENT GAP
	3	569+25			IH 94 WB REF LINE	24	TRANSVERSE
0010	5	254+50			IH 94 EB REF LINE	24	TRANSVERSE
	5	274+00		289+55	IH 94 EB REF LINE	1555	RT, PAVEMENT GAP
	5	568+40			IH 94 EB REF LINE	24	TRANSVERSE
0010	7J	13+10			WEST-STAGE-7J-WB-CENTERLINE-DRIVING	15	TRANSVERSE
	7J	13+10		131+31	WEST-STAGE-7J-WB-CENTERLINE-DRIVING	11821	RT, LONGITUDINAL
	7J	131+31			WEST-STAGE-7J-WB-CENTERLINE-DRIVING	15	TRANSVERSE
0010	7M	13+10			WEST-STAGE-7M-WB-CENTERLINE-DRIVING	9	TRANSVERSE
	7M	131+35			WEST-STAGE-7M-WB-CENTERLINE-DRIVING	9	TRANSVERSE
0010	8E	13+10			WEST-STAGE-8E-EB-CENTERLINE-DRIVING	15	TRANSVERSE
	8E	13+10		129+51	WEST-STAGE-8E-EB-CENTERLINE-DRIVING	11641	LT, LONGITUDINAL
	8E	129+51			WEST-STAGE-8E-EB-CENTERLINE-DRIVING	15	TRANSVERSE
0010	8H	13+10			WEST-STAGE-8H-EB-CENTERLINE-DRIVING	9	TRANSVERSE
	8H	129+55			WEST-STAGE-8H-EB-CENTERLINE-DRIVING	9	TRANSVERSE
					PROJECT TOTALS	27410	

EXCAVATION ROCK SPECIAL

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	SPV.0035.01 CY	ANTICIPATED ROCK TYPE	REMARKS
0010	7J-M	587+00	-	593+00	WB IH 94	1335	LIMESTONE	ROADWAY SUBGRADE
0010	7J-M	589+50	-	591+50	WB IH 94, RT	380	LIMESTONE	MEDIAN BACKSLOPE
0010	8E-H	604+50	-	615+50	EB IH 94	1630	SANDSTONE	ROADWAY SUBGRADE
					TOTAL 0010	3345		

3

MANHOLES SPECIAL 4-FT DIAMETER TEMPORARY

CATEGORY	STAGE	STRUCTURE	STATION**	OFFSET**	COVER ELEVATION	INVERT ELEVATION	*** DEPTH	SPV.0060.01 (EACH)
0010	1	476	476+01.32'XEB'	56.3' RT	1215.77	1212.10	3.67	1
0010	2	206	222+09.67'WB'	25.4' RT	1222.67	1219.00	3.67	1
0010	2	204	229+07.28'WB'	27.3' RT	1226.50	1222.00	4.50	1
0010	2	203	236+62.03'WB'	26.8' RT	1231.17	1227.50	3.67	1
0010	2	159	245+47.78'WB'	27.6' RT	1236.67	1232.00	4.67	1
0010	2	162	251+11.80'WB'	28.0' RT	1239.89	1237.00	2.89	1
0010	2	163	257+13.97'WB'	29.6' RT	1245.44	1241.87	3.57	1
0010	2	164	264+89.17'WB'	32.4' RT	1251.87	1248.20	3.67	1
0010	2	165	272+10.86'WB'	33.4' RT	1255.89	1252.32	3.57	1
0010	2	166	282+89.63'WB'	33.3' RT	1260.67	1257.00	3.67	1
0010	2	167	290+85.89'WB'	38.3' RT	1260.67	1257.00	3.67	1
0010	2	168	297+07.42'WB'	40.5' RT	1258.67	1255.00	3.67	1
0010	2	170	304+90.87'WB'	44.1' RT	1257.17	1253.50	3.67	1
0010	2	172	310+87.86'WB'	46.9' RT	1252.80	1246.50	6.30	1
0010	2	173	316+37.67'WB'	44.6' RT	1247.00	1240.00	7.00	1
0010	2	174	325+89.53'WB'	42.1' RT	1231.67	1228.00	3.67	1
0010	2	175	333+88.82'WB'	38.4' RT	1215.00	1209.00	6.00	1
0010	2	176	341+87.81'WB'	40.1' RT	1200.67	1197.00	3.67	1
0010	2	177	353+97.43'WB'	46.8' RT	1188.67	1185.00	3.67	1
0010	2	202	358+02.27'WB'	48.2' RT	1188.00	1184.00	4.00	1
0010	2	183	365+75.97'WB'	50.3' RT	1189.00	1184.00	5.00	1
0010	2	196	377+08.64'WB'	53.0' RT	1194.67	1191.00	3.67	1
0010	2	178	383+09.18'WB'	52.5' RT	1198.00	1191.00	7.00	1
0010	2	179	403+95.32'WB'	45.3' RT	1204.71	1199.00	5.71	1
0010	2	197	413+72.44'WB'	33.0' RT	1179.50	1175.00	4.50	1
0010	2	198	420+62.74'WB'	25.1' RT	1159.42	1155.50	3.92	1
0010	2	180	426+54.61'WB'	25.8' RT	1140.99	1136.00	4.99	1
0010	2	181	437+10.05'WB'	25.5' RT	1123.67	1119.50	4.17	1
0010	2	186	444+87.87'WB'	25.8' RT	1133.75	1129.00	4.75	1
0010	2	187	451+64.91'WB'	25.7' RT	1153.67	1150.00	3.67	1
0010	2	188	501+91.84'WB'	25.2' RT	1212.67	1209.00	3.67	1
0010	2	189	507+81.64'WB'	23.1' RT	1206.00	1201.00	5.00	1
0010	2	190	515+90.86'WB'	24.6' RT	1196.50	1192.50	4.00	1
0010	2	191	525+12.01'WB'	24.9' RT	1189.00	1185.00	4.00	1
0010	2	192	533+59.32'WB'	25.6' RT	1192.75	1188.50	4.25	1
0010	2	193	542+08.73'WB'	27.4' RT	1198.67	1195.00	3.67	1
0010	2	194	552+17.07'WB'	27.5' RT	1203.00	1198.50	4.50	1
0010	2	195	560+83.35'WB'	25.3' RT	1206.17	1202.50	3.67	1
0010	2	571	571+43.86'EB'	26.1' LT	1204.00	1200.33	3.67	1
						TOTAL 0010		39

** STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

*** DEPTH = COVER ELEVATION - BOTTOM OF STRUCTURE ELEVATION

3

RECONSTRUCTING MEDIAN INLETS SPECIAL

CATEGORY	STAGE	STRUCTURE	STATION**	OFFSET**	EXIST GRATE ELEVATION	EXIST INVERT ELEVATION	EXIST DEPTH FT	SPV.0060.02 (EACH)
0010	2	163	221+99.67'WB'	25.6' RT	1220.90	1218.23	2.67	1
0010	2	161	228+97.27'WB'	27.4' RT	1225.10	1220.43	4.67	1
0010	2	159	236+52.02'WB'	27.0' RT	1229.40	1226.73	2.67	1
0010	2	245-2	245+35.79'WB'	27.7' RT	1235.40	1230.00	5.40	1
0010	2	251-2	250+99.80'WB'	28.0' RT	1239.65	1235.47	4.17	1
0010	2	257-2	257+01.99'WB'	29.7' RT	1245.13	1241.55	3.58	1
0010	2	265-2	265+01.17'WB'	32.3' RT	1252.37	1247.65	4.72	1
0010	2	272-2	271+98.85'WB'	33.5' RT	1255.88	1252.37	3.51	1
0010	2	283-1	282+99.64'WB'	33.3' RT	1259.39	1256.14	3.25	1
0010	2	291-1	290+97.89'WB'	38.2' RT	1258.52	1256.27	2.25	1
0010	2	297-1	296+97.44'WB'	40.4' RT	1258.99	1253.99	5.00	1
0010	2	305-1	305+00.88'WB'	44.0' RT	1255.42	1251.30	4.12	1
0010	2	311-1	310+99.87'WB'	46.8' RT	1248.85	1240.90	7.95	1
0010	2	316-1	316+47.69'WB'	44.5' RT	1242.50	1236.80	5.70	1
0010	2	326-1	325+99.54'WB'	42.0' RT	1229.07	1226.82	2.25	1
0010	2	334-1	333+98.82'WB'	38.3' RT	1213.19	1207.94	5.25	1
0010	2	342-1	341+99.73'WB'	40.0' RT	1198.45	1196.00	2.45	1
0010	2	350-1	354+07.52'WB'	46.8' RT	1189.24	1183.99	5.25	1
0010	2	358-1	358+12.31'WB'	48.3' RT	1185.71	1180.71	5.00	1
0010	2	366-2	365+97.62'WB'	50.3' RT	1185.06	1181.50	3.56	1
0010	2	377-1	376+98.57'WB'	53.1' RT	1191.33	1189.10	2.23	1
0010	2	383-2	382+97.18'WB'	52.6' RT	1196.81	1184.75	12.06	1
0010	2	404-1	404+05.25'WB'	45.3' RT	1200.29	1197.75	2.54	1
0010	2	414-2	413+84.49'WB'	32.4' RT	1176.45	1166.30	10.15	1
0010	2	420-2	420+74.75'WB'	24.7' RT	1156.85	1144.70	12.15	1
0010	2	426-2	426+66.57'WB'	25.8' RT	1138.56	1126.60	11.96	1
0010	2	437-1	436+99.98'WB'	25.4' RT	1120.93	1116.55	4.38	1
0010	2	85	444+75.87'WB'	25.8' RT	1131.58	1126.10	5.48	1
0010	2	451-1	451+52.91'WB'	25.8' RT	1151.41	1147.10	4.31	1
0010	2	502-1	502+01.85'WB'	25.0' RT	1210.16	1207.95	2.21	1
0010	2	508-2	507+93.70'WB'	23.2' RT	1203.73	1198.17	5.56	1
0010	2	516-1	516+00.86'WB'	24.5' RT	1194.15	1187.70	6.45	1
0010	2	525-2	524+99.75'WB'	25.2' RT	1186.70	1181.75	4.95	1
0010	2	533-1	533+49.34'WB'	25.5' RT	1190.41	1185.80	4.61	1
0010	2	542-2	541+96.50'WB'	27.3' RT	1197.04	1193.40	3.64	1
0010	2	552-1	552+07.11'WB'	27.5' RT	1200.60	1197.00	3.60	1
0010	2	560-1	560+73.44'WB'	25.4' RT	1204.39	1200.90	3.49	1
0010	2	INL 571-1	571+33.94'EB'	26.1' LT	1203.53	1199.60	3.93	1
						TOTAL 0010		38

** STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

3

TEMPORARY INLETS MEDIAN 1 GRATE

CATEGORY	STAGE	STATION	OFFSET**	GRATE ELEVATION	INVERT ELEVATION	*** DEPTH	SPV.0060.03 (EACH)
0010	2	219+00.00'WB'	15.0' RT	1218.46	1216.50	1.96	1
	2	451+64.80'WB'	8.1' RT	1154.70	1152.30	2.40	1
	2	456+53.05'EB'	18.6' LT	1169.00	1165.50	3.50	1
	2	66+54.86'TC3A'	7.6' LT	1259.80	1256.80	3.00	1
0010	4	217+49.48'EB'	12.2' LT	1218.50	1216.50	2.00	1
	4	65+00'TD5A'	9.5' RT	1255.75	1253.47	2.28	1
	4	232+00'EB'	18.5' LT	1229.00	1227.00	2.00	1
	4	412+40'EB'	62.8' LT	1184.00	1181.00	3.00	1
0010	7F	161+50.00'WBS7'	13.0' LT	907.69	905.30	2.39	1
					TOTAL 0010		9

** STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE
*** DEPTH = COVER ELEVATION - BOTTOM OF STRUCTURE ELEVATION

TRAFFIC CHANNELIZING CURB SYSTEM

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	SPV.0090.02 LF	REMARKS
0010	7J	719+00	-	721+50	XWB' IH 94	500	WB SPLIT XOVER ENTRY
0010	8E	559+75	-	562+25	XEB' IH 94	400	EB SPLIT XOVER ENTRY
					TOTAL 0010	900	

CONSTRUCTION STAKING FINISHED MEDIAN

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	SPV.0090.01 LF	REMARKS
0010	6C	207+00	-	316+50	EB IH 94, LT	10950	MEDIAN
0010	6C	318+08	-	391+20	EB IH 94, LT	7312	MEDIAN
0010	6C	392+85	-	482+92	EB IH 94, LT	9007	MEDIAN
0010	6C	484+88	-	557+00	EB IH 94, LT	7212	MEDIAN
0010	9B	556+00	-	697+00	WB IH 94, RT	14100	MEDIAN
0010	9B	701+00	-	717+40	WB IH 94, RT	1640	MEDIAN
					TOTAL 0010	50221	

FILE NAME : N:\PDS\...\030200_mq.pptx PLOT DATE : June 14, 1911 PLOT BY : A.R.H. PLOT NAME : PLOT SCALE : 1:1

GRADING, SHAPING AND FINISHING TEMPORARY WIDENING, STA 200+00 TO STA 216+80 WESTBOUND IH 94

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	SPV.0105.02 LS	* EXCAVATION COMMON CY	* EXP. FILL FACTOR= 1.33 CY	* SALVAGED TOPSOIL SY	* FERTILIZER TYPE B CWT	* SEEDING MIX NO.30 LB	* MULCHING SY	REMARKS
0010	2A	200+00	-	216+80	EXIST. IH 94 WB, LT	1	1100	2580	2700	2.0	60	3200	TEMPORARY WB ON-RAMP FROM STH 128
					TOTAL 0010	1	1100	2580	2700	2.0	60	3200	

* ITEMS AND ESTIMATED QUANTITIES FOR INFORMATION ONLY.

CONSTRUCTION STAKING DRAINAGE STRUCTURES (PROJECT) 1022-07-76

CATEGORY	STATION	TO	STATION	LOCATION	SPV.0105.03 LS	* CULVERT PIPE TEMPORARY EA	* CULVERT PIPE EXTENSIONS EA	* CULVERT PIPE EA	* INLETS EA	* MANHOLES SPECIAL 4-FT DIA. TEMPORARY EA	* RECONST. MEDIAN INLETS SPECIAL EA	REMARKS
0010	200+00	-	685+00	IH 94, LT/RT	1	124	26	19	13	39	38	ADDITIONAL INFORMATION SHOWN ELSEWHERE
				TOTAL 0010	1	124	26	19	13	39	38	

* ITEMS AND QUANTITIES FOR INFORMATION ONLY.

MANHOLES SPECIAL 4-FT DIA. TEMPORARY REQ'D
NO. 206 - STA 222WB+09.67, 25.4' RT
NO. 204 - STA 229WB+07.28, 27.3' RT

CULVERT PIPE TEMPORARY 18" X 435'
1-18" AEW REQ'D

TEMPORARY INLET MEDIAN 1 GRATE REQ'D
STA 219WB+00.00, 15.0' RT

RECONSTRUCT MEDIAN INLETS SPECIAL
NO. 163 - STA 221WB+99.67, 25.6' RT
NO. 161 - STA 228WB+97.27, 27.4' RT

N

EXISTING LANE EDGE
IH 94 WB

BP: -0+00.16WB'S3'
PC: 3+92.41WB'S3'
PI: 6+22.28
PT: 8+51.93WB'S3'
PC: 10+71.81WB'S3'
PT: 15+31.34WB'S3'
0WB'S3'
S88° 53' 24"E
5WB'S3'
215'XWB'
S84° 30' 07"E
220'XWB'
15WB'S3'
225'XWB'
20WB'S3'
230'XWB'
25WB'S3'
S88° 53' 24"E
235'XWB'
30WB'S3'
IH 94
INL 163
MH 206
INL 161
MH 204
SIGN
BP: 205+00.00'XWB'
STAGE 3 TEMPORARY
WB CENTERLINE

PI STA = 6+22.28WB'S3'
Y = 191725.167
X = 86427.574
DELTA = 4°23'17"
D = 0°57'18"
T = 229.87'
L = 459.52'
R = 6000.00'
PC STA = 3+92.41WB'S3'
PT STA = 8+51.93WB'S3'

PI: 13+01.69

PI STA = 13+01.69WB'S3'
Y = 191660.050
X = 87104.077
DELTA = 4°23'17"
D = 0°57'18"
T = 229.87'
L = 459.52'
R = 6000.00'
PC STA = 10+71.81WB'S3'
PT STA = 15+31.34WB'S3'

STA 7+71.94
EL 1215.32
VPC STA 9+39.84
VPC EL 1217.41
VPI STA 10+54.84
VPI EL 1218.85
VPT STA 11+69.84
VPT EL 1219.62
STA 13+00.00
EL 1220.50
STA 14+50.00
EL 1221.95
STA 16+00.00
EL 1223.38
STA 17+01.44
EL 1224.14
STA 14+25.00
EL 1221.62
1.25%
0.67%
0.90%
1.30%
0.95%
0.75%
PROPOSED PROFILE STAGE 3
TEMPORARY WB CENTERLINE
K = 398.41
EXISTING GRADE
STAGE 3 TEMP WB C/L

1190 1200 1210 1220 1230 1240 1250 1260
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

| | | |

MANHOLES SPECIAL 4-FT DIA. TEMPORARY REQ'D
NO. 203 - STA 236WB+62.03, 26.8' RT
NO. 159 - STA 245WB+47.78, 27.6' RT
NO. 162 - STA 251WB+11.80, 28.0' RT
NO. 163 - STA 257WB+13.97, 29.6' RT
NO. 164 - STA 264WB+89.17, 32.4' RT

RECONSTRUCT MEDIAN INLETS SPECIAL
NO. 159 - STA 236WB+52.02, 27.0' RT
NO. 245-2 - STA 245WB+35.79, 27.7' RT
NO. 251-2 - STA 250WB+99.80, 28.0' RT
NO. 257-2 - STA 257WB+01.99, 29.7' RT
NO. 265-2 - STA 265WB+01.17, 32.3' RT

N

EXISTING LANE EDGE
IH 94 WB

STAGE 3 TEMPORARY
WB CENTERLINE

PC: 245+11.20'XWB'
PT: 248+21.13'XWB'
STA BACK = 248+15.17'XWB'
STA AHEAD = 248+21.13'XWB'
PI: 51+00.94
PC: 54+51.34WB'S3'
PT: 57+50.71WB'S3'

235'XWB' 30WB'S3'
240'XWB' 35WB'S3'
245'XWB' 40WB'S3'
250'XWB' 45WB'S3' S89° 39' 07"E
255'XWB' 50WB'S3'
260'XWB' 55WB'S3' S88° 30' 23"E
265'XWB' 60WB'S3' S89° 39' 08"E

INL 159 MH 203
MH 159
INL 245-2
MH 162
INL 251-2
INL 257-2
MH 163
MH 164
INL 265-2
IH 94
STH 128
SIGN
CAUTION

PC: 40+12.58WB'S3'
PT: 43+17.08WB'S3'
PC: 49+50.66WB'S3'
PT: 52+51.22WB'S3'
PC: 59+51.39WB'S3'

PI: 41+64.83

PI STA = 41+64.83WB'S3'
Y = 191604.585
X = 89966.910
DELTA = 0°45'43"
D = 0°15'01"
T = 152.25'
L = 304.50'
R = 22896.32'
PC STA = 40+12.58WB'S3'
PT STA = 43+17.08WB'S3'

PI STA = 51+00.94WB'S3'
Y = 191598.901
X = 90903.009
DELTA = 1°08'45"
D = 0°22'52"
T = 150.28'
L = 300.56'
R = 15030.00'
PC STA = 49+50.66WB'S3'
PT STA = 52+51.22WB'S3'

PI: 56+01.03

PI STA = 56+01.03WB'S3'
Y = 191585.865
X = 91402.939
DELTA = 1°08'45"
D = 0°22'58"
T = 149.69'
L = 299.37'
R = 14970.00'
PC STA = 54+51.34WB'S3'
PT STA = 57+50.71WB'S3'

EXISTING GRADE
STAGE 3 TEMP WB C/L

1290 1280 1270 1260 1250 1240 1230 1220 1210

30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

1231.04 1231.38 1232.21 1231.95 1232.28 1232.55 1232.77 1232.92 1233.35 1233.71 1233.95 1234.04 1234.44 1234.77 1235.14 1235.43 1235.95 1236.27 1236.72 1237.17 1237.62 1237.58 1237.99 1238.35 1238.66 1239.08 1239.55 1239.92 1240.25 1240.67 1241.07 1241.37 1241.60 1242.00 1242.35 1242.84 1243.23 1243.68 1244.25 1244.93 1245.55 1245.85 1246.37 1246.78 1246.89 1247.32 1247.91 1248.42 1248.92 1249.33 1249.81 1250.17 1250.55 1250.91 1251.32 1251.66 1252.03 1252.29 1252.68 1252.94 1253.39

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: STAGE 3 TEMPORARY WB CENTERLINE	SHEET 440	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\050093_PP_STAGE3_TEMPWBCL.DWG
LAYOUT NAME - SHEET - (2)
PLOT DATE : 8/15/2018 11:17 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44

MANHOLES SPECIAL 4-FT DIA. TEMPORARY REQ'D
NO. 165 - STA 272WB+10.86, 33.4' RT
NO. 166 - STA 282WB+89.63, 33.3' RT
NO. 167 - STA 290WB+85.89, 38.3' RT

CULVERT PIPE TEMPORARY 18" X 63'

TEMPORARY INLET MEDIAN 1 GRATE REQ'D
STA 66+54.86'TC3A', 7.6' LT

RECONSTRUCT MEDIAN INLETS SPECIAL
NO. 272-2 - STA 271WB+98.85, 33.5' RT
NO. 283-1 - STA 282WB+99.64, 33.3' RT
NO. 291-1 - STA 290WB+97.89, 38.2' RT

N

CAUTION

65'TC3A'

PC: 64+50.82WB'S3'

PI: 66+01.11

PI: 67+51.40WB'S3'

STAGE 3 TEMP
RAMP 'C' R/L

EXISTING LANE EDGE
IH 94 WB

STA BACK = 286+58.40'XWB'
STA AHEAD = 286+56.69'XWB'

265'XWB'
60WB'S3'
MH 164
INL 265-2

270'XWB'
65WB'S3'
INL 272-2
MH 165

70'TC3A'
275'XWB'
70WB'S3'

75'TC3A'
280'XWB'
75WB'S3'

80'TC3A'
285'XWB'
80WB'S3'

MH 166
INL 283-1

85'TC3A'
290'XWB'
85WB'S3'
MH 167
INL 291-1

295'XWB'
90'TC3A'
90WB'S3'

N89° 12' 07"E

S89° 39' 07"E

IH 94

PT: 62+50.77WB'S3'

PI: 84+71.55WB'S3'

STAGE 3 TEMPORARY
WB CENTERLINE

PI: 61+01.08

PI STA = 61+01.08WB'S3'
Y = 191582.828
X = 91902.991
DELTA = 1°08'45"
D = 0°22'58"
T = 149.69'
L = 299.37'
R = 14970.00'
PC STA = 59+51.39WB'S3'
PT STA = 62+50.77WB'S3'

PI STA = 66+01.11WB'S3'
Y = 191589.792
X = 92402.982
DELTA = 1°08'45"
D = 0°22'52"
T = 150.30'
L = 300.59'
R = 15030.00'
PC STA = 64+50.82WB'S3'
PT STA = 67+51.40WB'S3'

FO

STA 86+50.00
EL 1262.38

PROPOSED PROFILE STAGE 3
TEMPORARY WB CENTERLINE

-0.10%

EXISTING GRADE
STAGE 3 TEMP WB C/L

1300 1290 1280 1270 1260 1250 1240 1230 1220

60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90

1253.39 1253.72 1254.00 1254.44 1254.84 1255.15 1255.51 1255.90 1256.30 1256.60 1256.74 1256.96 1257.25 1257.71 1257.83 1258.22 1258.60 1258.94 1259.43 1259.72 1259.97 1260.35 1260.60 1260.82 1261.18 1261.44 1261.57 1261.81 1262.05 1261.99 1262.09 1262.26 1262.23 1262.29 1262.32 1262.18 1262.22 1261.97 1261.82 1261.79 1261.64 1261.48 1261.43 1261.33 1261.14 1261.00 1260.60 1260.39 1260.10 1260.00 1259.77 1259.59 1259.08 1259.21 1262.38 1259.43 1262.33 1260.92 1262.28 1261.99 1262.23 1259.89 1262.18 1259.40 1262.13 1259.22 1262.08 1258.87 1262.03

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: STAGE 3 TEMPORARY WB CENTERLINE	SHEET 441	E

MANHOLES SPECIAL 4-FT DIA. TEMPORARY REQ'D
NO. 168 - STA 297WB+07.42, 40.5' RT
NO. 170 - STA 304WB+90.87, 44.1' RT
NO. 172 - STA 310WB+87.86, 46.9' RT
NO. 173 - STA 316WB+37.67, 44.6' RT

RECONSTRUCT MEDIAN INLETS SPECIAL
NO. 297-1 - STA 296WB+97.44, 40.4' RT
NO. 305-1 - STA 305WB+00.88, 44.0' RT
NO. 311-1 - STA 310WB+99.87, 46.8' RT
NO. 316-1 - STA 316WB+47.69, 44.5' RT

N

310th ST

53rd AVE

911
1231.070
BM 60D NAIL 6IN WOOD POST

908
1232.020
CP PIPE CAP

CP PIPE CAP
1231.750
907

PI: 299+29.68'XWB'

295'XWB'
90'LC3A'
90WB'S3'

IH 94

INL 297-1

MH 168

S89° 13' 49"E 95WB'S3'

300'XWB'

305'XWB'

MH 170

100WB'S3'

INL 305-1

EXISTING LANE EDGE
IH 94 WB

310'XWB'

MH 172

INL 311-1

315'XWB'

110WB'S3'

MH 173

INL 316-1

320'XWB'

115WB'S3'

325'XWB'

120WB'S3'

TEMPORARY STRUCTURE REQ'D.

STAGE 3 TEMPORARY
WB CENTERLINE

PI: 102+91.60WB'S3'

912
1242.140
BM 60D NAIL 6IN WOOD POST

CP PIPE CAP
1241.290
909

910
1244.040
CP PIPE CAP

SIGN

5

5

STA 92+50.10
EL 1261.78

PROPOSED PROFILE STAGE 3
TEMPORARY WB CENTERLINE

VPC STA 108+80.00
VPC EL 1256.90

VPI STA 111+00.00
VPI EL 1256.24

VPT STA 113+20.00
VPT EL 1252.09

STA 112+27.37 +/- TEMP WB C/L
TEMPORARY STRUCTURE REQ'D
TEMP IH 94 OVER 310th STREET
28 FOOT CLEAR ROADWAY

-0.30%

-1.88%

EXISTING GRADE
STAGE 3 TEMP WB C/L

VCL = 440.00
K = 277.81

1290 1280 1270 1260 1250 1240 1230 1220 1210

90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120

1258.87 1262.03 1258.67 1261.98 1258.45 1261.93 1258.03 1261.88 1257.67 1261.83 1257.90 1261.78 1257.91 1261.63 1257.95 1261.48 1258.10 1261.33 1258.20 1261.18 1257.90 1261.03 1257.63 1260.88 1257.54 1260.73 1257.51 1260.58 1257.55 1260.43 1257.40 1260.28 1257.19 1260.13 1257.01 1259.98 1256.71 1259.83 1256.51 1259.68 1256.29 1259.53 1255.74 1259.38 1255.29 1259.23 1255.16 1259.08 1254.89 1258.93 1254.61 1258.78 1253.82 1258.63 1253.23 1258.48 1252.55 1258.33 1252.09 1258.18 1251.31 1258.03 1250.41 1257.88 1249.29 1257.73 1248.44 1257.58 1247.97 1257.43 1247.50 1257.29 1247.02 1257.14 1246.25 1256.99 1245.77 1256.83 1245.11 1256.60 1244.89 1256.28 1244.25 1255.87 1244.09 1255.37 1243.55 1254.78 1238.07 1254.09 1236.47 1253.32 1244.73 1252.46 1243.68 1251.53 1242.85 1250.59 1242.43 1249.65 1241.51 1248.70 1240.69 1247.76 1239.94 1246.82 1239.00 1245.88 1238.02 1244.94 1237.03 1244.00 1235.79 1243.05 1235.00 1242.11 1235.89 1241.17 1232.91 1240.23 1231.98 1239.29

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: STAGE 3 TEMPORARY WB CENTERLINE	SHEET 442 E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\050093_PP_STAGE3_TEMPWBCL.DWG
LAYOUT NAME - SHEET - (4)

PLOT DATE : 8/15/2018 11:17 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

MANHOLES SPECIAL 4-FT DIA. TEMPORARY REQ'D
NO. 174 - STA 325WB+89.53, 42.1' RT
NO. 175 - STA 333WB+88.82, 38.4' RT
NO. 176 - STA 341WB+87.81, 40.1' RT
NO. 177 - STA 353WB+97.43, 46.8' RT

RECONSTRUCT MEDIAN INLETS SPECIAL
NO. 326-1 - STA 325WB+99.54, 42.0' RT
NO. 334-1 - STA 333WB+98.82, 38.3' RT
NO. 342-1 - STA 341WB+99.73, 40.0' RT
NO. 350-1 - STA 354WB+07.52, 46.8' RT

N

315th ST

53rd AVE

SEPV
SEPV
SEPTIC

EXISTING LANE EDGE
IH 94 WB

IH 94

325'XWB'
330'XWB'
335'XWB'
340'XWB'
345'XWB'
350'XWB'
355'XWB'

MH 174
INL 326-1
MH 175
INL 334-1
MH 176
INL 342-1
MH 177
INL 350-1

120WB'S3'
125WB'S3'
130WB'S3'
135WB'S3'
140WB'S3'
145WB'S3'
150WB'S3'

S89° 25' 37"E

PC: 343+92.88'XWB'
PI: 149+74.29
PC: 138+90.55WB'S3'

STAGE 3 TEMPORARY
WB CENTERLINE

SIGN

5

5

PROPOSED PROFILE STAGE 3
TEMPORARY WB CENTERLINE

EXISTING GRADE
STAGE 3 TEMP WB C/L

STA 122+00.00
EL 1235.52

-2.15%

VCL = 1000.00
K = 658.23

VCL = 200.00
K = 395.27

-0.63%

VPC STA 133+50.00
VPC EL 1210.76

VPI STA 138+50.00
VPI EL 1200.00

VPT STA 143+50.00
VPT EL 1196.83

VPC STA 146+65.00
VPC EL 1194.84

VPI STA 147+65.00
VPI EL 1194.20

VPT STA 148+65.00
VPT EL 1194.08

1240
1230
1220
1210
1200
1190
1180
1170

120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150

1231.98 1239.29 1230.88 1238.35 1230.13 1237.40 1228.93 1236.46 1227.89 1235.52 1227.00 1234.44 1226.17 1233.37 1225.15 1232.29 1224.21 1231.22 1223.32 1230.14 1222.43 1229.06 1221.59 1227.99 1220.44 1226.91 1219.57 1225.83 1218.53 1224.76 1217.36 1223.68 1216.41 1222.60 1215.36 1221.53 1214.26 1220.45 1213.09 1219.38 1212.00 1218.30 1211.18 1217.22 1210.30 1216.15 1209.07 1215.07 1208.06 1213.99 1206.88 1212.92 1206.07 1211.84 1205.38 1210.76 1204.28 1209.71 1203.36 1208.69 1202.29 1207.71 1201.68 1206.76 1201.08 1205.86 1200.06 1204.99 1199.65 1204.16 1198.54 1203.37 1197.64 1202.61 1197.09 1201.90 1196.39 1201.22 1195.70 1200.58 1195.04 1199.98 1194.49 1199.42 1194.05 1198.89 1193.38 1198.40 1192.86 1197.95 1192.64 1197.54 1192.07 1197.17 1191.47 1196.83 1191.11 1196.52 1190.64 1196.20 1190.32 1195.88 1190.12 1195.57 1189.86 1195.25 1189.63 1194.93 1189.04 1194.63 1188.74 1194.39 1188.47 1194.21 1188.16 1194.10 1187.95 1194.03 1188.47 1193.97 1189.17 1193.90

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: STAGE 3 TEMPORARY WB CENTERLINE	SHEET 443	E

MANHOLES SPECIAL 4-FT DIA. TEMPORARY REQ'D
NO. 202 - STA 358WB+02.27, 48.2' RT
NO. 183 - STA 365WB+75.97, 50.3' RT
NO. 196 - STA 377WB+08.64, 53.0' RT
NO. 178 - STA 383WB+09.18, 52.5' RT

RECONSTRUCT MEDIAN INLETS SPECIAL
NO. 358-1 - STA 358WB+12.31, 48.3' RT
NO. 366-2 - STA 365WB+97.62, 50.3' RT
NO. 377-1 - STA 376WB+98.57, 53.1' RT
NO. 383-2 - STA 382WB+97.18, 52.6' RT

N

PI: 149+74.29
53rd AVE
53rd AVE
PT: 365+53.63'XWB'
STA BACK = 365+63.38'XWB'
STA AHEAD = 365+53.63'XWB'
EXISTING LANE EDGE IH 94 WB
SIGN
395'XWB'
360'XWB'
365'XWB'
370'XWB'
375'XWB'
380'XWB'
385'XWB'
150WB'S3'
155WB'S3'
160WB'S3'
165WB'S3'
170WB'S3'
180WB'S3'
IH 94
MH 202
INL 358-1
MH 183
INL 366-2
INL 377-1
MH 196
INL 383-2
MH 178
PT: 160+51.67WB'S3'
STAGE 3 TEMPORARY WB CENTERLINE
SLAB

PI STA = 149+74.29WB'S3'
Y = 191507.159
X = 100775.735
DELTA = 10°44'51"
D = 0°29'50"
T = 1083.74'
L = 2161.12'
R = 11521.16'
PC STA = 138+90.55WB'S3'
PT STA = 160+51.67WB'S3'

VCL = 200.00
K = 575.03
VCL = 820.00
K = 1450.67
PROPOSED PROFILE STAGE 3 TEMPORARY WB CENTERLINE
-0.13%
0.31%
0.88%
STA 161+00.00 EL 192.50
EXISTING GRADE STAGE 3 TEMP WB C/L
VPC STA 164+90.00 VPC EL 193.72
VPI STA 169+00.00 VPI EL 1195.00
VPT STA 173+10.00 VPT EL 1198.60
VPC STA 178+25.00 VPC EL 1203.12
VPI STA 179+25.00 VPI EL 1204.00

1240 1230 1220 1210 1200 1190 1180 1170 1160

150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180

1189.17	1193.90	1193.78	1193.65	1193.58	1193.52	1193.46	1193.39	1193.33	1193.27	1193.20	1193.14	1193.07	1193.01	1192.95	1192.88	1192.82	1192.76	1192.69	1192.63	1192.56	1192.50	1192.66	1192.81	1192.97	1193.12	1193.28	1193.44	1193.59	1193.75	1193.92	1194.10	1194.31	1194.53	1194.76	1195.02	1195.29	1195.58	1195.89	1196.21	1196.55	1196.91	1197.28	1197.67	1198.08	1198.51	1198.95	1199.39	1199.83	1200.27	1200.71	1201.14	1201.58	1202.02	1202.46	1202.90	1203.34	1203.83	1204.35	1204.92
	189.50	189.57	189.79	189.95	189.77	189.67	189.54	189.67	189.68	189.77	189.89	190.08	190.43	190.72	191.23	191.41	191.78	192.38	192.88	193.23	193.72	193.99	194.17	194.67	195.03	195.47	195.97	196.70	196.63	197.48	198.06	198.56	198.82																								
	189.80	189.92	189.95	189.77	189.68	189.54	189.67	189.68	189.77	189.89	190.08	190.43	190.72	191.23	191.41	191.78	192.38	192.88	193.23	193.72	193.99	194.17	194.67	195.03	195.47	195.97	196.70	196.63	197.48	198.06	198.56	198.82																								
	189.34	188.92	188.79	188.58	188.19	187.90	187.76	187.33	187.01	186.84	186.45	185.97	185.15	186.27	186.51	186.84	187.42	187.57	187.92	188.09	188.40	188.71	188.92	189.24	189.54	189.67	190.08	190.43	190.72	191.23	191.41	191.78	192.38	192.88	193.23	193.72	193.99	194.17	194.67	195.03	195.47	195.97	196.70	196.63	197.48	198.06	198.56	198.82						

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: STAGE 3 TEMPORARY WB CENTERLINE	SHEET 444 E

MANHOLES SPECIAL 4-FT DIA. TEMPORARY REQ'D
NO. 179 - STA 403WB+95.32, 45.3' RT
NO. 197 - STA 413WB+72.44, 33.0' RT

RECONSTRUCT MEDIAN INLETS SPECIAL
NO. 404-1 - STA 404WB+05.25, 45.3' RT
NO. 414-2 - STA 413WB+84.49, 32.4' RT

906 1200.130 BM 60D SPIKE WEST FACE 28IN ASPON

904 1195.690 CP PIPE CAP

CP PIPE CAP 1195.620 903

902 1191.320 CP PIPE CAP

CP PIPE CAP 1190.660 901

903 1190.520 BM 60D SPIKE WEST FACE 14IN ELM

NORSEMAN DR

PC: 397+44.76'XWB'

PI: 199+22.23

EXISTING LANE EDGE IH 94 WB

385'XWB' 390'XWB' 395'XWB' 400'XWB' 405'XWB' 410'XWB' 415'XWB'

180WB'S3' 185WB'S3' 190WB'S3' 195WB'S3' 200WB'S3' 205WB'S3' 210WB'S3'

MH 179 INL 404-1 MH 197 INL 414-2

IH 94 RIPRAP SLAB SIGN INL

TEMPORARY STRUCTURE REQ'D.

PC: 190+29.05WB'S3'

CULVERT PIPE TEMPORARY 18" X 439'
1-18" AEW REQ'D

STAGE 3 TEMPORARY
WB CENTERLINE

PCC: 208+05.81WB'S3'

N

PI STA = 199+22.23WB'S3'
Y = 190534.652
X = 105633.649
DELTA = 14°32'35"
D = 0°49'07"
T = 893.18'
L = 1776.76'
R = 7000.00'
PC STA = 190+29.05WB'S3'
PT STA = 208+05.81WB'S3'

PROPOSED PROFILE STAGE 3
TEMPORARY WB CENTERLINE

VPC STA 185+80.00
VPC EL 1212.02

VPI STA 186+80.00
VPI EL 1213.25

VPT STA 187+80.00
VPT EL 1213.67

VPC STA 189+80.00
VPC EL 1214.50

VPI STA 193+80.00
VPI EL 1216.16

VPT STA 197+80.00
VPT EL 1208.70

STA 199+01.62
EL 1206.43

VCL = 200.00
K = 575.03

1.23%

0.42%

-1.87%

VPT STA 180+25.00
VPT EL 1205.22

STA 187+06.50 +/- TEMP WB C/L
TEMPORARY STRUCTURE REQ'D
TEMP IH 94 OVER 250th AVENUE
28 FOOT CLEAR ROADWAY

EXISTING GRADE
STAGE 3 TEMP WB C/L

VCL = 200.00
K = 247.09

VCL = 800.00
K = 350.44

180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210
1198.82	1204.92	1199.37	1205.53	1200.06	1206.14	1200.76	1206.75	1201.47	1207.37	1202.01	1207.98	1202.67	1208.59	1203.23	1209.21	1203.68	1209.82	1204.02	1210.43	1204.49	1211.04	1204.61	1211.66	1205.30	1212.26	1209.15	1212.78	1195.12	1213.20	1208.87
1213.52	1207.68	1213.75	1207.57	1213.96	1207.47	1214.17	1207.54	1214.37	1207.40	1214.58	1207.39	1214.72	1207.23	1214.79	1206.70	1214.79	1206.60	1214.72	1206.47	1214.58	1206.24	1214.37	1206.16	1214.08	1205.96	1213.73	1205.95	1213.30	1206.01	1212.80
1205.89	1212.23	1205.94	1211.59	1205.32	1210.88	1204.51	1210.10	1203.98	1209.24	1203.35	1208.32	1202.77	1207.39	1202.21	1206.46	1200.98	1200.45	1199.58	1198.93	1198.24	1197.32	1196.42	1195.68	1194.51	1193.33	1192.25	1191.09	1189.78	1188.41	1187.04
1185.54	1184.12	1182.60	1181.11	1179.70	1178.17	1176.84																								

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: STAGE 3 TEMPORARY WB CENTERLINE	SHEET 445	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\050093_PP_STAGE3_TEMPWBCL.DWG
LAYOUT NAME - SHEET - (7)

PLOT DATE : 8/15/2018 11:18 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

MANHOLES SPECIAL 4-FT DIA. TEMPORARY REQ'D
NO. 198 - STA 420WB+62.74, 25.1' RT
NO. 180 - STA 426WB+54.61, 25.8' RT
NO. 181 - STA 437WB+10.05, 25.5' RT
NO. 186 - STA 444WB+87.87, 25.8' RT

RECONSTRUCT MEDIAN INLETS SPECIAL
NO. 420-2 - STA 420WB+74.75, 24.7' RT
NO. 426-2 - STA 426WB+66.57, 25.8' RT
NO. 437-1 - STA 436WB+99.98, 25.4' RT
NO. 85 - STA 444WB+75.87, 25.8' RT

PI: 212+55.17

PT: 420+87.60'XWB'

415'XWB' 210WB'S3' 420'XWB' 215WB'S3' 425'XWB' 220WB'S3' 430'XWB' 225WB'S3' 435'XWB' 230WB'S3' 440'XWB' 235WB'S3' 445'XWB' 240WB'S3'

IH 94

MH 198 INL 420-2 MH 180 INL 426-2 INL 437-1 MH 181 INL 85 MH 186

SIGN RIPRAP

PT: 217+02.70WB'S3'

STAGE 3 TEMPORARY WB CENTERLINE

EXISTING LANE EDGE IH 94 WB

S55° 12' 07"E

PI STA = 212+55.17WB'S3'
Y = 189949.001
X = 106841.712
DELTA = 8°56'05"
D = 0°59'46"
T = 449.36'
L = 896.89'
R = 5751.58'
PC STA = 208+05.81WB'S3'
PT STA = 217+02.70WB'S3'

ST CROIX CO. DUNN CO.

5 5

EXISTING GRADE
STAGE 3 TEMP WB C/L

1190 1180 1170 1160 1150 1140 1130 1120 1110

210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240

1176.84 1175.32 1173.77 1172.14 1170.73 1169.26 1167.75 1166.06 1164.57 1163.13 1161.33 1159.82 1158.25 1156.67 1155.27 1153.67 1152.12 1150.48 1149.00 1147.41 1145.89 1144.37 1143.10 1141.92 1140.83 1138.63 1136.95 1135.74 1134.66 1133.41 1132.25 1131.27 1130.12 1129.05 1128.06 1127.05 1126.72 1126.31 1125.78 1125.49 1124.98 1124.68 1124.47 1124.47 1124.30 1124.77 1124.85 1125.02 1125.50 1125.81 1126.20 1126.74 1127.40 1128.18 1128.91 1130.04 1130.88 1132.11 1134.10 1134.45 1135.66

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: STAGE 3 TEMPORARY WB CENTERLINE	SHEET 446	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\050093_PP_STAGE3_TEMPWBCL.DWG
LAYOUT NAME - SHEET - (8)
PLOT DATE : 8/15/2018 11:19 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44

MANHOLES SPECIAL 4-FT DIA. TEMPORARY REQ'D
NO. 187 - STA 451WB+64.91, 25.7' RT

RECONSTRUCT MEDIAN INLETS SPECIAL
NO. 451-1 - STA 451WB+52.91, 25.8' RT

TEMPORARY INLET MEDIAN 1 GRATE REQ'D
STA 451WB+64.80, 8.1' RT

PI: 248+56.54

CULVERT PIPE TEMPORARY 18" X 302'
TAP INTO EXIST 4'X4' RCBC

PC: 459+68.43'XWB'

EXISTING LANE EDGE
IH 94 WB

STA AHEAD = 473+47.47'XWB'
STA BACK = 473+37.27'XWB'

PT: 473+47.47'XWB'

445'XWB'
240WB'S3'
450'XWB'
245WB'S3'
455'XWB'
250WB'S3'
460'XWB'
255WB'S3'
465'XWB'
260WB'S3'
470'XWB'
265WB'S3'
475'XWB'
270WB'S3'

INL 85
MH 186
INL 451-1
MH 187
IH 94
SIGN

PC: 247+30.56WB'S3'

PT: 249+82.50WB'S3'

S52° 48' 29"E

PC: 253+23.36WB'S3'

PT: 268+42.17WB'S3'

TEMPORARY INLET MEDIAN 1 GRATE REQ'D
STA 456EB+53.05, 18.6' LT

STAGE 3 TEMPORARY
WB CENTERLINE

PI: 261+01.07

PI STA = 248+56.54WB'S3'
Y = 187892.710
X = 109800.548
DELTA = 2°23'38"
D = 0°57'01"
T = 125.99'
L = 251.94'
R = 6030.00'
PC STA = 247+30.56WB'S3'
PT STA = 249+82.50WB'S3'

PI STA = 261+01.07WB'S3'
Y = 187140.391
X = 110791.984
DELTA = 30°22'34"
D = 2°00'00"
T = 777.70'
L = 1518.81'
R = 2864.79'
PC STA = 253+23.36WB'S3'
PT STA = 268+42.17WB'S3'

EXISTING GRADE
STAGE 3 TEMP WB C/L

1220
1210
1200
1190
1180
1170
1160
1150
1140

240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270

1135.68 1137.21 1138.71 1140.17 1141.65 1143.13 1144.70 1146.02 1147.63 1149.04 1150.52 1152.22 1153.87 1155.09 1156.54 1158.06 1159.51 1161.10 1162.93 1164.71 1166.43 1168.06 1169.51 1171.01 1172.47 1174.15 1175.76 1177.36 1179.02 1180.39 1181.86 1183.51 1185.11 1186.55 1188.12 1189.38 1191.07 1192.49 1194.02 1195.45 1196.86 1198.13 1199.53 1200.87 1202.34 1203.64 1204.96 1206.22 1207.40 1208.52 1209.60 1210.58 1211.63 1212.60 1213.57 1214.53 1215.33 1216.07 1216.95 1217.81 1218.45

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: STAGE 3 TEMPORARY WB CENTERLINE	SHEET 447	E

MANHOLES SPECIAL 4-FT DIA. TEMPORARY REQ'D
NO. 476 - STA 476XEB+01.32, 56.3' RT
NO. 188 - STA 501WB+91.84, 25.2' RT

RECONSTRUCT MEDIAN INLETS SPECIAL
NO. 502-1 - STA 502WB+01.85, 25.0' RT

N

BM 60D NAIL
BIN ELM
207.470
919

915
1212.250
CP .75IP FND

916
1211.820
CP PIPE CAP

PI: 276+91.46WB'S3'

PI: 280+91.46WB'S3'

475'XWB'
480'XWB'
485'XWB'
490'XWB'
495'XWB'
500'XWB'
505'XWB'

270WB'S3'
S83° 11' 03"E
275WB'S3'
280WB'S3'
285WB'S3'
290'TNE3'
295'TNE3'
295WB'S3'
300WB'S3'

285'TNE3'

STAGE 3 TEMP
NE RAMP R/L

EXISTING LANE EDGE
IH 94 WB

CULVERT PIPE TEMPORARY 18" X 140'

PC: 504+29.95'XWB'

MH 188
INL 502-1

PI: 276+91.46

PI: 280+91.46

MH 476

BM RR SPIKE FND
1202.050
921

917
1206.330
CP .75IP
PIPE

918
1205.930
CP PIPE CAP

STAGE 3 TEMPORARY
WB CENTERLINE

PC: 298+54.41WB'S3'

TEMPORARY STRUCTURE REQ'D.

CULVERT PIPE TEMPORARY 18" X 130'
1-18" AEW REQ'D

914
1200.920
CP .75IP FND

CTH Q
IH 94
RIPRAP
SIGN
SEPV
SEPC
A/C
FILLER CAP

STA 483+44.69 +/- EB, RT
TEMPORARY STRUCTURE REQ'D
TEMP EB IH 94 OVER COUNTY Q
28 FOOT CLEAR ROADWAY

EXISTING GRADE
STAGE 3 TEMP WB C/L

1250
1240
1230
1220
1210
1200
1190
1180

270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300

1218.45 1219.06 1219.61 1220.50 1221.19 1221.85 1222.45 1222.95 1223.52 1224.03 1224.47 1224.88 1225.37 1225.62 1225.91 1226.12 1226.39 1219.24 1208.79 1227.00 1227.06 1227.18 1227.22 1227.22 1227.21 1227.19 1227.18 1227.17 1227.13 1226.92 1226.72 1226.40 1226.09 1225.84 1225.51 1225.14 1224.75 1224.31 1223.76 1223.32 1222.77 1222.17 1221.60 1221.01 1220.31 1219.68 1219.00 1218.36 1217.62 1216.92 1216.23 1215.71 1215.08 1214.40 1213.85 1213.07 1212.26 1211.65 1211.25 1210.70 1210.27

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: STAGE 3 TEMPORARY WB CENTERLINE	SHEET 448	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\050093_PP_STAGE3_TEMPWBCL.DWG
LAYOUT NAME - SHEET - (10)

PLOT DATE : 8/15/2018 11:19 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

MANHOLES SPECIAL 4-FT DIA. TEMPORARY REQ'D
NO. 189 - STA 507WB+81.64, 23.1' RT
NO. 190 - STA 515WB+90.86, 24.6' RT
NO. 191 - STA 525WB+12.01, 24.9' RT
NO. 192 - STA 533WB+59.32, 25.6' RT

RECONSTRUCT MEDIAN INLETS SPECIAL
NO. 508-2 - STA 507WB+93.70, 23.2' RT
NO. 516-1 - STA 516WB+00.86, 24.5' RT
NO. 525-2 - STA 524WB+99.75, 25.2' RT
NO. 533-1 - STA 533WB+49.34, 25.5' RT

PI: 304+57.05
PT: 515+61.30'XWB'
STA BACK = 515+68.35'XWB'
STA AHEAD = 515+61.30'XWB'

505'XWB' 300WB'S3'
510'XWB' 305WB'S3'
515'XWB' 310WB'S3'
520'XWB' 315WB'S3'
525'XWB' 320WB'S3'
530'XWB' 325WB'S3'
535'XWB' 330WB'S3'

MH 189 INL 508-2
MH 190 INL 516-1
INL 525-2 MH 191
INL 533-1 MH 192

IH 94

EXISTING LANE EDGE
IH 94 WB

STAGE 3 TEMPORARY
WB CENTERLINE

PT: 310+55.32WB'S3'

S 41° 55' 19" E

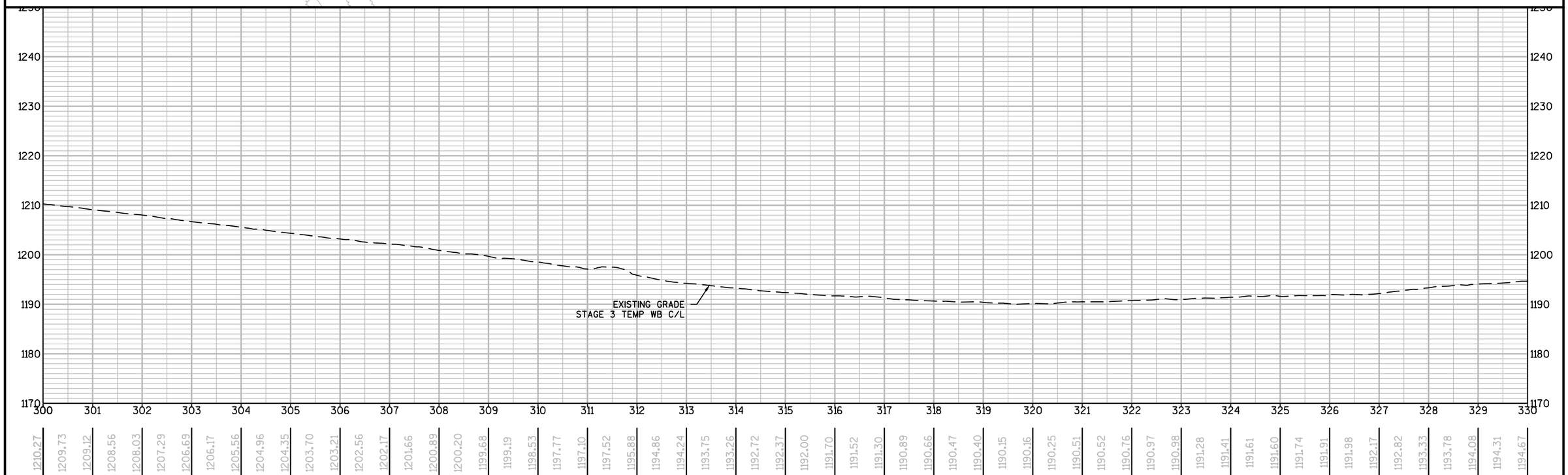
CTH Q

SIGN

PI STA = 304+57.05WB'S3'
Y = 186647.850
X = 115156.791
DELTA = 11°57'48"
D = 0°59'46"
T = 602.65'
L = 1200.91'
R = 5751.58'
PC STA = 298+54.41WB'S3'
PT STA = 310+55.32WB'S3'

5

5



1210.27 1209.73 1209.12 1208.56 1208.03 1207.29 1206.69 1206.17 1205.56 1204.96 1204.35 1203.70 1203.21 1202.56 1202.17 1201.66 1200.89 1200.20 1199.68 1199.19 1198.53 1197.77 1197.10 1197.52 1195.88 1194.86 1194.24 1193.75 1193.26 1192.72 1192.37 1192.00 1191.70 1191.52 1191.30 1190.89 1190.66 1190.47 1190.40 1190.15 1190.16 1190.25 1190.51 1190.52 1190.76 1190.97 1190.98 1191.28 1191.41 1191.61 1191.60 1191.74 1191.91 1191.98 1192.17 1192.82 1193.33 1193.78 1194.08 1194.31 1194.67

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: STAGE 3 TEMPORARY WB CENTERLINE	SHEET 449	E

MANHOLES SPECIAL 4-FT DIA. TEMPORARY REQ'D
NO. 193 - STA 542WB+08.73, 27.4' RT
NO. 194 - STA 552WB+17.07, 27.5' RT
NO. 195 - STA 560WB+83.35, 25.3' RT

RECONSTRUCT MEDIAN INLETS SPECIAL
NO. 542-2 - STA 541WB+96.50, 27.3' RT
NO. 552-1 - STA 552WB+07.11, 27.5' RT
NO. 560-1 - STA 560WB+73.44, 25.4' RT

N

PC: 536+29.32'XWB'
535'XWB'
330WB'S3'
PC: 331+23.34WB'S3'
540'XWB'
335WB'S3'
INL 542-2
MH 193
IH 94
EXISTING LANE EDGE
IH 94 WB
SIGN
545'XWB'
340WB'S3'
550'XWB'
345WB'S3'
INL 552-1
MH 194
PT: 553+50.37'XWB'
STA BACK = 553+42.80'XWB'
STA AHEAD = 553+50.37'XWB'
555'XWB'
350WB'S3'
S89° 14' 39"E
560'XWB'
INL 560-1
MH 195
355WB'S3'
565'XWB'
360WB'S3'
PC: 358+42.72WB'S3'
PT: 348+48.92WB'S3'
STAGE 3 TEMPORARY
WB CENTERLINE
PI: 339+92.76
PI: 360+15.91

PI STA = 339+92.76WB'S3'
Y = 185549.324
X = 118522.126
DELTA = 17°19'20"
D = 1°00'14"
T = 869.42'
L = 1725.57'
R = 5707.58'
PC STA = 331+23.34WB'S3'
PT STA = 348+48.92WB'S3'

PI STA = 360+15.91WB'S3'
Y = 185522.465
X = 120558.359
DELTA = 3°18'24"
D = 0°57'18"
T = 173.19'
L = 346.28'
R = 6000.00'
PC STA = 358+42.72WB'S3'
PT STA = 361+89.00WB'S3'

5

5

STA 357+98.54
EL 1209.10
STA 359+50.00
EL 1209.29
PROPOSED PROFILE STAGE 3
TEMPORARY WB CENTERLINE
0.13%
EXISTING GRADE
STAGE 3 TEMP WB C/L

1240 1230 1220 1210 1200 1190 1180 1170

330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360

1194.67 1194.97 1195.46 1195.89 1196.26 1196.56 1197.15 1197.51 1198.05 1198.09 1198.43 1198.71 1199.02 1199.25 1199.69 1200.19 1200.41 1200.79 1201.37 1201.73 1201.74 1201.81 1202.21 1202.49 1202.68 1202.90 1203.34 1203.54 1203.74 1204.13 1204.22 1204.43 1204.55 1204.76 1204.62 1204.61 1204.91 1205.45 1205.47 1205.40 1205.80 1205.96 1206.07 1206.47 1206.41 1206.65 1206.67 1206.73 1206.70 1207.13 1207.15 1207.42 1207.64 1207.84 1207.93 1207.96 1208.09 1209.10 1208.20 1209.17 1208.36 1209.23 1209.32 1209.29 1209.62 1209.30

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: STAGE 3 TEMPORARY WB CENTERLINE	SHEET 450	E

MANHOLES SPECIAL 4-FT DIA. TEMPORARY REQ'D
NO. 571 - STA 571EB+43.86, 26.1' LT

RECONSTRUCT MEDIAN INLETS SPECIAL
NO. 571-1 - STA 571EB+33.94, 26.1' LT

N

160th ST

EXISTING LANE EDGE
IH 94 WB

560'XWB'
S89° 14' 39"E
355WB'S3'
MH 195
IH 94
INL 560-1

565'XWB'
360WB'S3'

570'XWB'
N87° 25' 21"E
365WB'S3'

PC: 367+44.12WB'S3'
PI: 369+17.31
PT: 370+90.41WB'S3'

CP .75 IP
1198.470
370WB'S3'
575'XWB'

927
1197.810
BM X IN TOP OF CONC WALL

S89° 14' 39"E

EP: 372+10.77WB'S3'

923
1191.550
CP .75 IP

580'XWB'

585'XWB'

IH 94

PC: 577+10.92'XWB'

STAGE 3 TEMPORARY
WB CENTERLINE

PC: 358+42.72WB'S3'

PT: 361+89.00WB'S3'

INL 571-1
MH 571

BM 60D NAIL 10IN ELM
1203.300
926

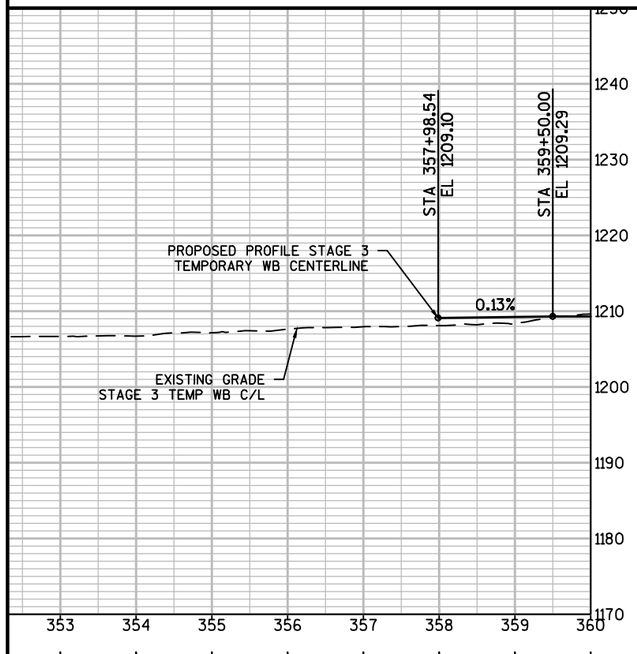
924
1199.470
CP .75 IP

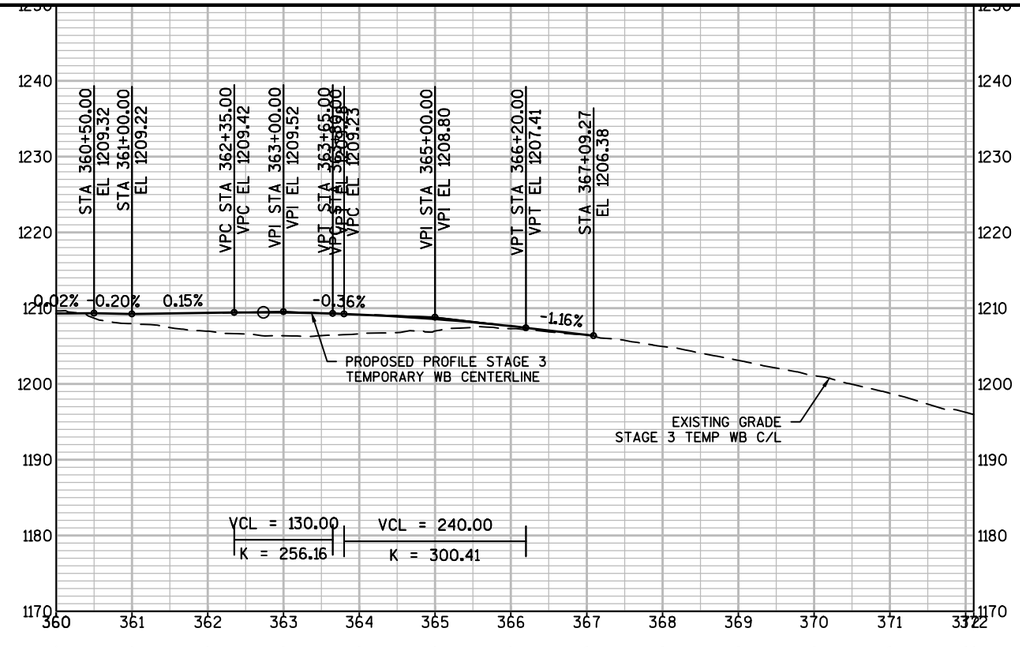
925
1196.660
CP .75 IP

PI: 360+15.91

PI STA = 360+15.91WB'S3'
Y = 185522.465
X = 120558.359
DELTA = 3°18'24"
D = 0°57'18"
T = 173.19'
L = 346.28'
R = 6000.00'
PC STA = 358+42.72WB'S3'
PT STA = 361+89.00WB'S3'

PI STA = 369+17.31WB'S3'
Y = 185562.590
X = 121458.967
DELTA = 3°18'24"
D = 0°57'18"
T = 173.19'
L = 346.28'
R = 6000.00'
PC STA = 367+44.12WB'S3'
PT STA = 370+90.41WB'S3'

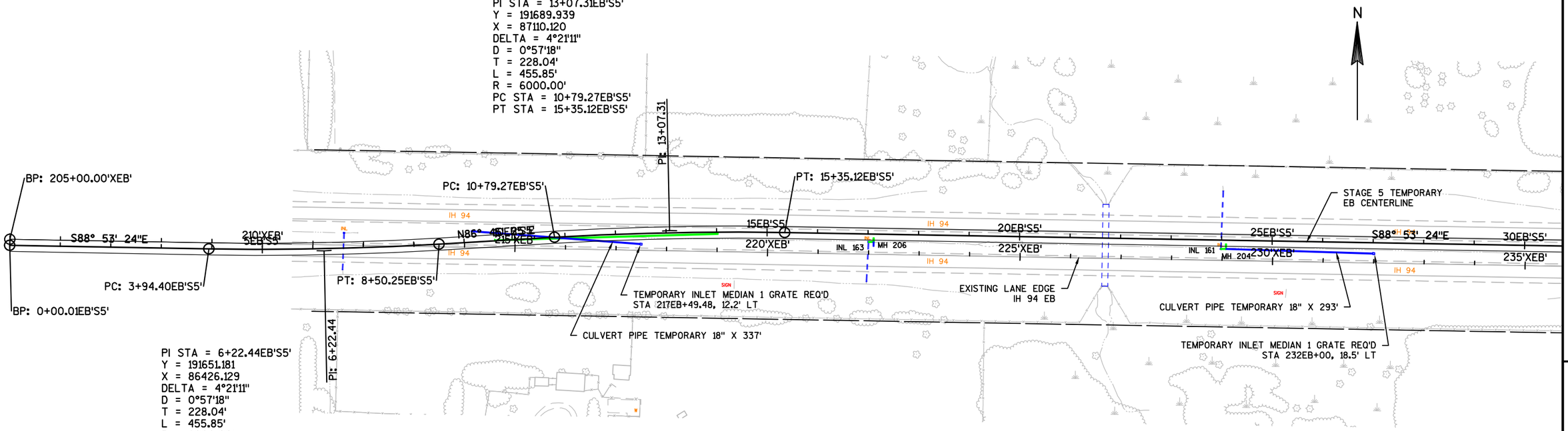


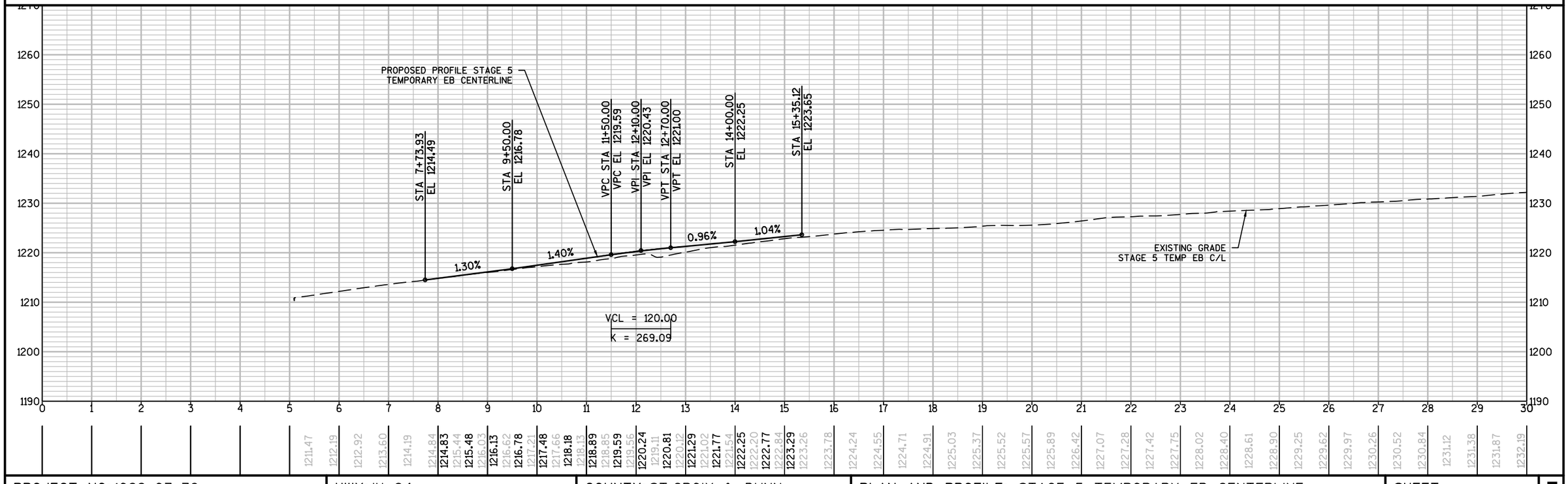


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: STAGE 3 TEMPORARY WB CENTERLINE	SHEET 451	E

PI STA = 13+07.31EB'S5'
Y = 191689.939
X = 87110.120
DELTA = 4°21'11"
D = 0°57'18"
T = 228.04'
L = 455.85'
R = 6000.00'
PC STA = 10+79.27EB'S5'
PT STA = 15+35.12EB'S5'

PI STA = 6+22.44EB'S5'
Y = 191651.181
X = 86426.129
DELTA = 4°21'11"
D = 0°57'18"
T = 228.04'
L = 455.85'
R = 6000.00'
PC STA = 3+94.40EB'S5'
PT STA = 8+50.25EB'S5'





PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST.CROIX & DUNN	PLAN AND PROFILE: STAGE 5 TEMPORARY EB CENTERLINE	SHEET 452	E

PI STA = 41+64.79EB'S5'
Y = 191634.584
X = 89967.292
DELTA = 0°45'43"
D = 0°15'02"
T = 152.05'
L = 304.10'
R = 22866.31'
PC STA = 40+12.74EB'S5'
PT STA = 43+16.84EB'S5'

PI STA = 52+45.77EB'S5'
Y = 191628.019
X = 91048.251
DELTA = 0°38'12"
D = 0°23'42"
T = 80.61'
L = 161.22'
R = 14510.00'
PC STA = 51+65.16EB'S5'
PT STA = 53+26.38EB'S5'

PI STA = 56+95.80EB'S5'
Y = 191630.287
X = 91498.273
DELTA = 0°38'12"
D = 0°23'43"
T = 80.50'
L = 160.99'
R = 14490.00'
PC STA = 56+15.30EB'S5'
PT STA = 57+76.29EB'S5'

N

STAGE 5 TEMPORARY EB CENTERLINE

PC: 40+12.74EB'S5'

PT: 43+16.84EB'S5'

PC: 51+65.16EB'S5'

PT: 53+26.38EB'S5'

PC: 56+15.30EB'S5'

PT: 57+76.29EB'S5'

PI: 56+95.80

30EB'S5' 235'XEB'
35EB'S5' 240'XEB'
40EB'S5' 245'XEB'
45EB'S5' 250'XEB'
50EB'S5' 255'XEB'
60EB'S5' 265'XEB'

S89° 39' 07"E

N89° 52' 45"E

INL 159 MH 203
INL 245-2 MH 159
INL 251-2 MH 162
INL 257-2 MH 163
MH 164 INL 265-2

IH 94

STH 128

CAUTION

EXISTING LANE EDGE IH 94 EB

PC: 245+11.20'XEB'

PT: 248+21.13'XEB'

PI: 41+64.79

PI: 52+45.77

STA BACK = 248+15.83'XEB'
STA AHEAD = 248+21.13'XEB'

EXISTING GRADE
STAGE 5 TEMP EB C/L

1290 1280 1270 1260 1250 1240 1230 1220 1210

30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

1232.19 1232.40 1233.20 1233.10 1233.01 1233.29 1233.46 1233.75 1234.12 1234.43 1234.83 1235.18 1235.39 1235.78 1236.24 1236.69 1236.92 1237.31 1237.58 1237.90 1238.18 1238.58 1238.95 1239.45 1239.99 1240.46 1240.94 1241.18 1241.64 1241.97 1242.11 1242.50 1243.03 1243.55 1243.97 1244.33 1244.72 1245.16 1245.38 1245.88 1246.27 1246.94 1247.38 1247.77 1248.31 1248.60 1248.92 1249.29 1249.84 1250.32 1250.65 1251.16 1251.65 1252.02 1252.52 1252.84 1253.18 1253.56 1253.96 1254.39 1254.79

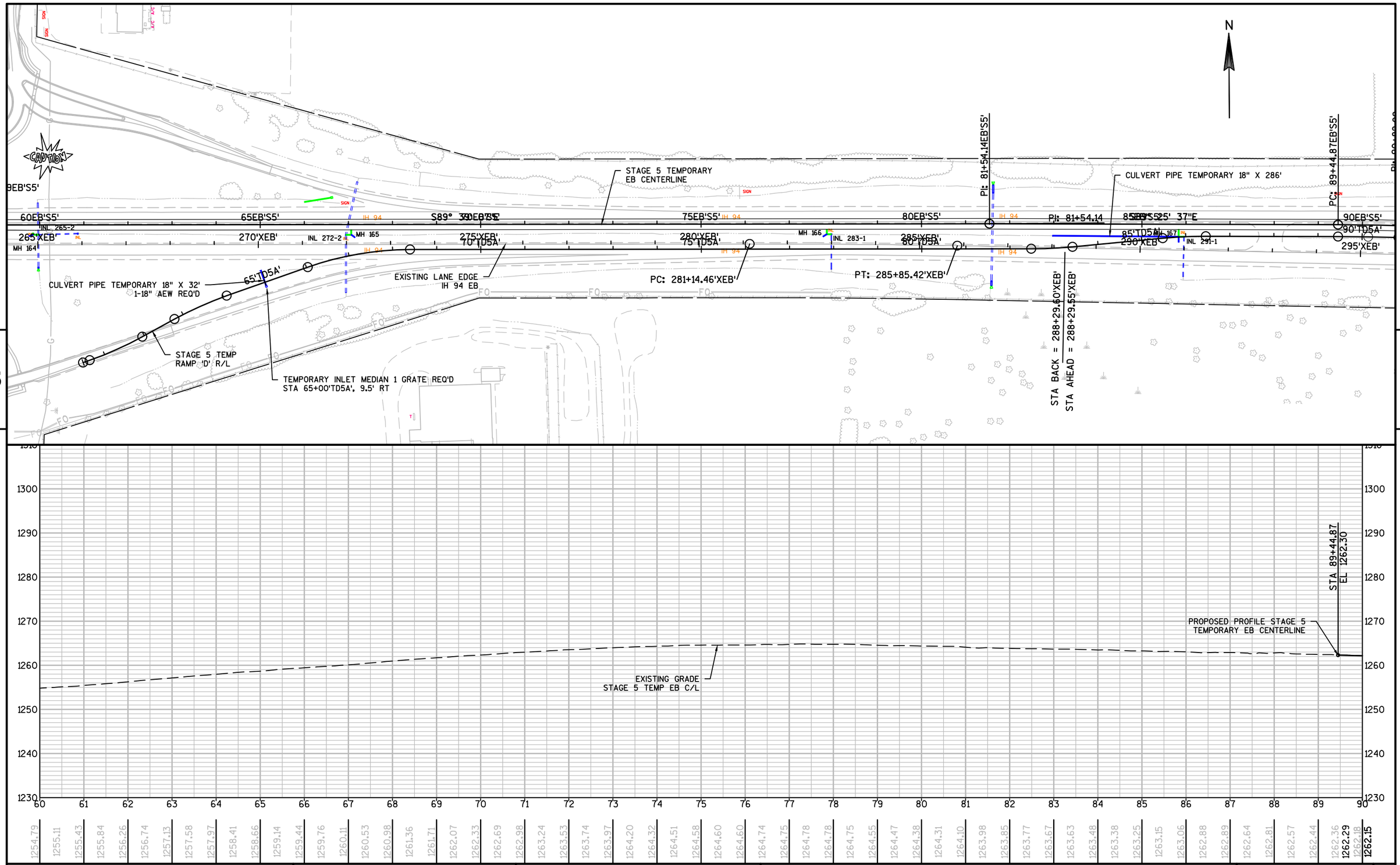
5

5

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST.CROIX & DUNN	PLAN AND PROFILE: STAGE 5 TEMPORARY EB CENTERLINE	SHEET 453	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\050095_PP_STAGE5_TEMPEBCL.DWG
LAYOUT NAME - SHEET - (2)

PLOT DATE : 8/15/2018 11:23 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:200 FT



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST.CROIX & DUNN	PLAN AND PROFILE: STAGE 5 TEMPORARY EB CENTERLINE	SHEET 454	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\050095_PP_STAGE5_TEMPEBCL.DWG
LAYOUT NAME - SHEET - (3)
PLOT DATE : 8/15/2018 11:23 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44

PI STA = 90+82.02EB'S5'
Y = 191606.079
X = 94884.413
DELTA = 2°37'08"
D = 0°57'18"
T = 137.15'
L = 274.25'
R = 6000.00'
PC STA = 89+44.87EB'S5'
PT STA = 92+19.13EB'S5'

PI STA = 99+57.38EB'S5'
Y = 191557.336
X = 95758.458
DELTA = 2°37'08"
D = 0°57'18"
T = 137.15'
L = 274.25'
R = 6000.00'
PC STA = 98+20.23EB'S5'
PT STA = 100+94.48EB'S5'

PC: 89+44.87EB'S5'
PI: 90+82.02
PT: 92+19.13EB'S5'
PC: 98+20.23EB'S5'
PT: 100+94.48EB'S5'
PI: 99+57.38
PC: 307+95.90'XEB'
PT: 311+74.60'XEB'
STA BACK = 311+76.40'XEB'
STA AHEAD = 311+74.60'XEB'

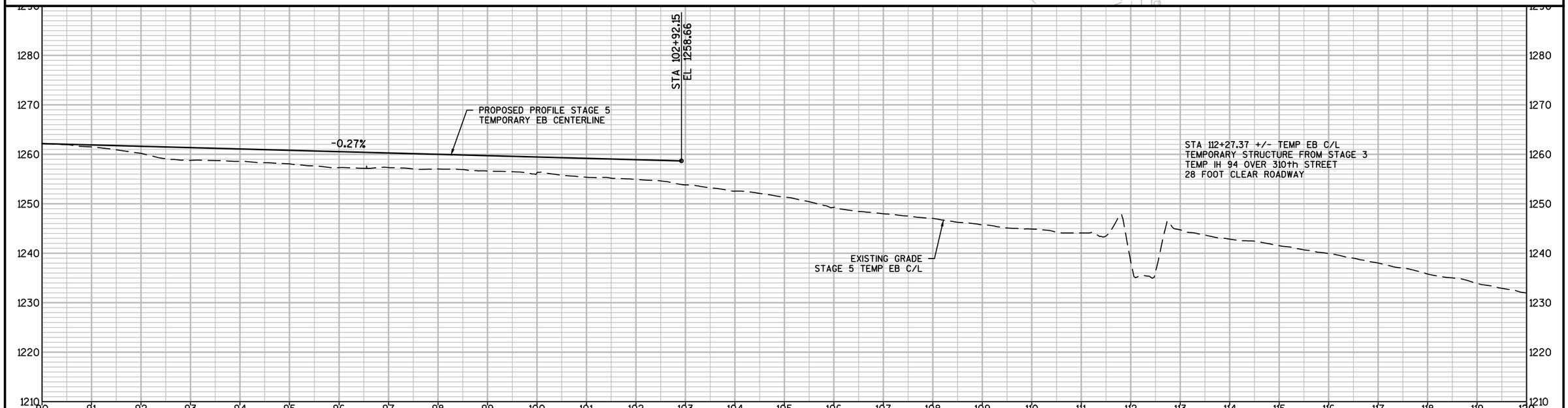
STAGE 5 TEMPORARY EB CENTERLINE
EXISTING LANE EDGE IH 94 EB
TEMPORARY STRUCTURE FROM STAGE 3

IH 94
310th ST
53rd AVE
N

90EB'S5' 90'TD5A' 295'XEB'
INL 297-1
MH 160
95EB'S5' 95'TD5A' 300'XEB'
MH 170
INL 305-1
100EB'S5' 305'XEB'
105EB'S5' 310'XEB'
MH 172
INL 311-1
110EB'S5' 315'XEB'
MH 173
INL 316-1
115EB'S5' 320'XEB'
325'XEB'

911
1231.070
BM 60D NAIL 6IN WOOD POST
908
1232.020
CP PIPE CAP
CP PIPE CAP
1231.750
907
912
1242.140
BM 60D NAIL 6IN WOOD POST
CP PIPE CAP
1241.280
909
910
1244.040
CP PIPE CAP

5



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST.CROIX & DUNN	PLAN AND PROFILE: STAGE 5 TEMPORARY EB CENTERLINE	SHEET 455	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\050095_PP_STAGE5_TEMPEBCL.DWG
LAYOUT NAME - SHEET - (4)
PLOT DATE : 8/15/2018 11:23 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44

PI STA = 149+74.86EB'S5'
Y = 191507.159
X = 100775.735
DELTA = 10°44'51"
D = 0°29'50"
T = 1083.74'
L = 2161.12'
R = 11521.16'
PC STA = 138+91.12EB'S5'
PT STA = 160+52.24EB'S5'

N

PI: 149+74.86

PC: 138+91.12EB'S5'

PC: 343+92.88'XEB'

STAGE 5 TEMPORARY
EB CENTERLINE

EXISTING LANE EDGE
IH 94 EB

53rd AVE

315th ST

SEPV
SEPV
SEPTIC

MH 174
INL 326-1
MH 175
INL 334-1
MH 176
INL 342-1
MH 177
INL 350-1

IH 94

125EB'S5'
130EB'S5'
135EB'S5'
140EB'S5'
145EB'S5'
150EB'S5'

325'XEB'
330'XEB'
335'XEB'
340'XEB'
345'XEB'
350'XEB'
355'XEB'

5

5

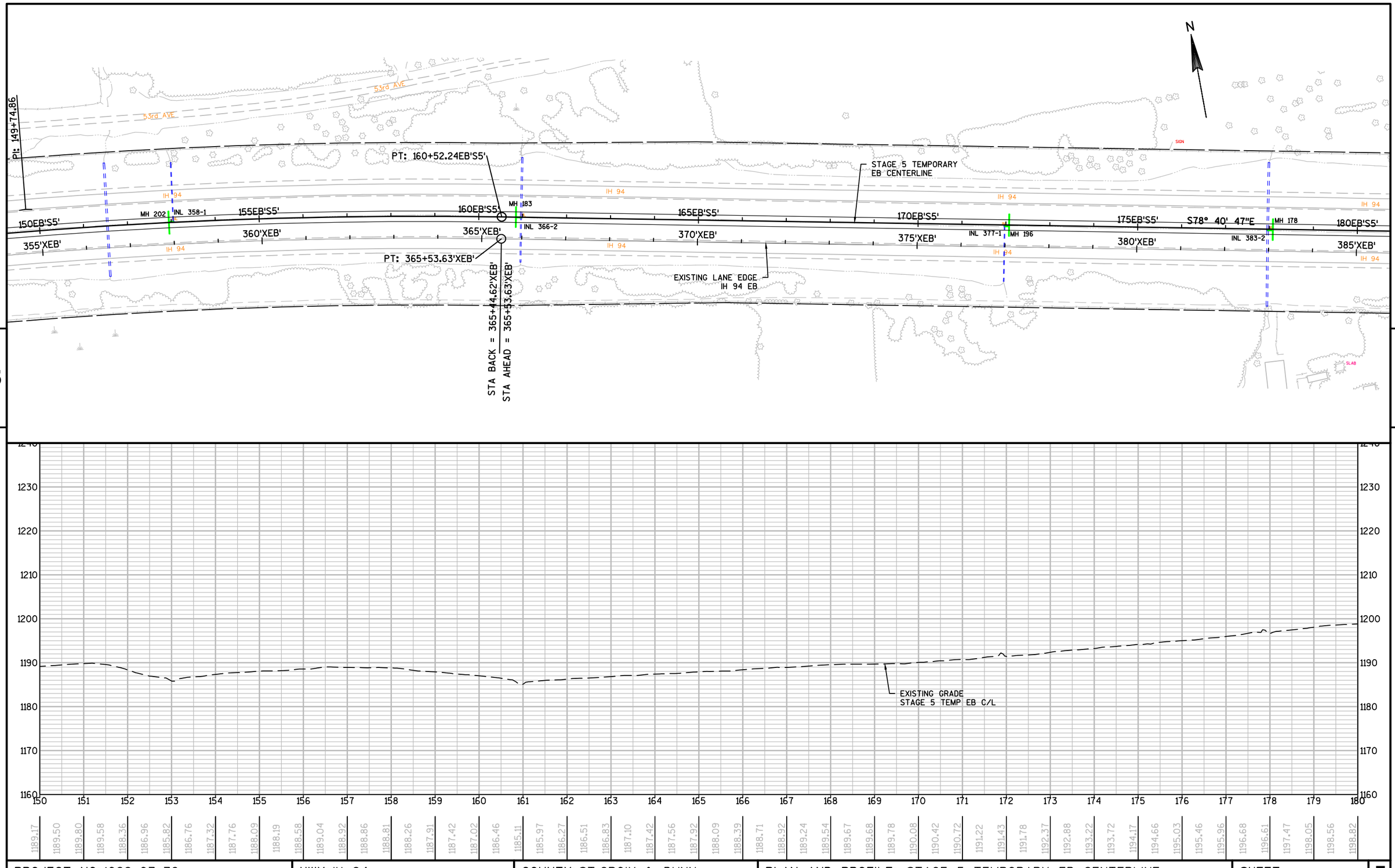
EXISTING GRADE
STAGE 5 TEMP EB C/L

1240
1230
1220
1210
1200
1190
1180
1170

120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150

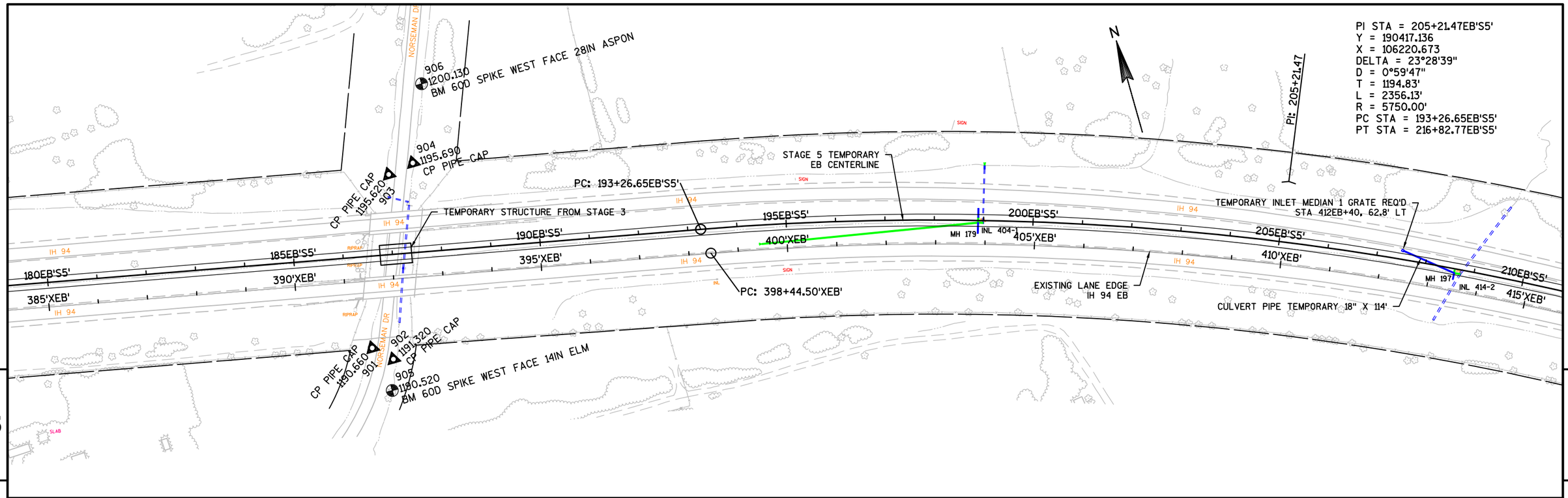
1231.98 1230.89 1230.10 1228.94 1227.90 1227.01 1226.19 1225.15 1224.22 1223.33 1222.44 1221.60 1220.46 1219.59 1218.54 1217.38 1216.42 1215.37 1214.26 1213.11 1212.01 1211.19 1210.31 1209.09 1208.07 1206.90 1206.08 1205.40 1204.29 1203.37 1202.31 1201.68 1201.09 1200.07 1199.66 1198.56 1197.64 1197.09 1196.40 1195.70 1195.05 1194.50 1194.06 1193.39 1192.86 1192.64 1192.07 1191.47 1191.12 1190.65 1190.32 1190.12 1189.86 1189.63 1189.05 1188.74 1188.47 1188.16 1187.95 1188.46 1189.17

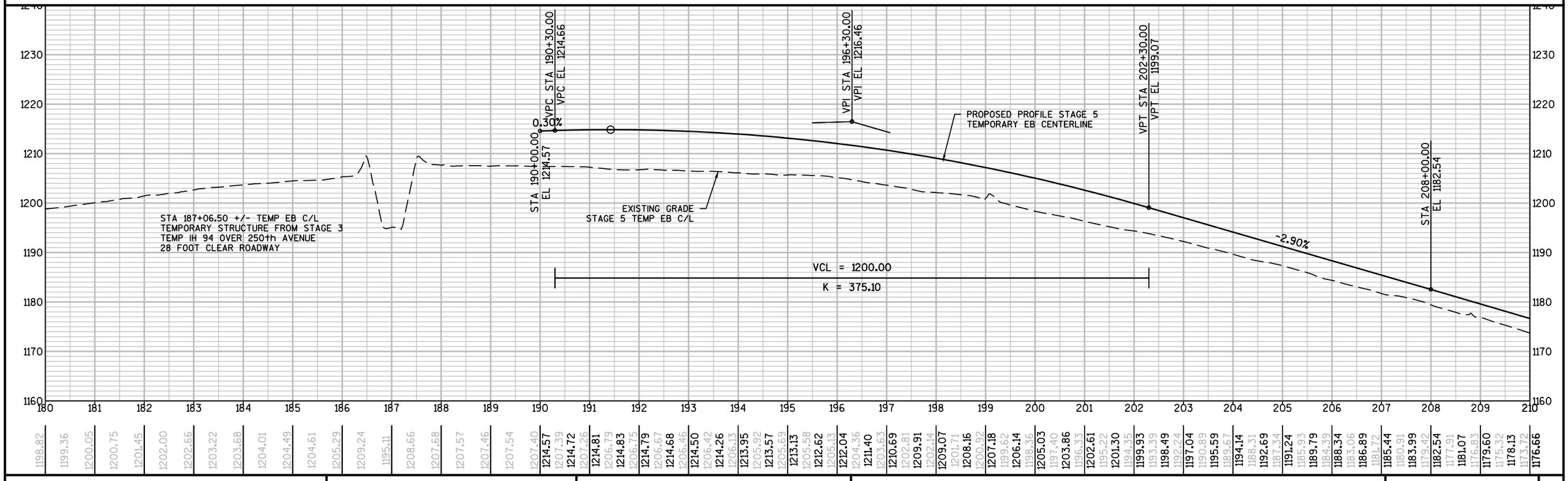
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST.CROIX & DUNN	PLAN AND PROFILE: STAGE 5 TEMPORARY EB CENTERLINE	SHEET 456	E



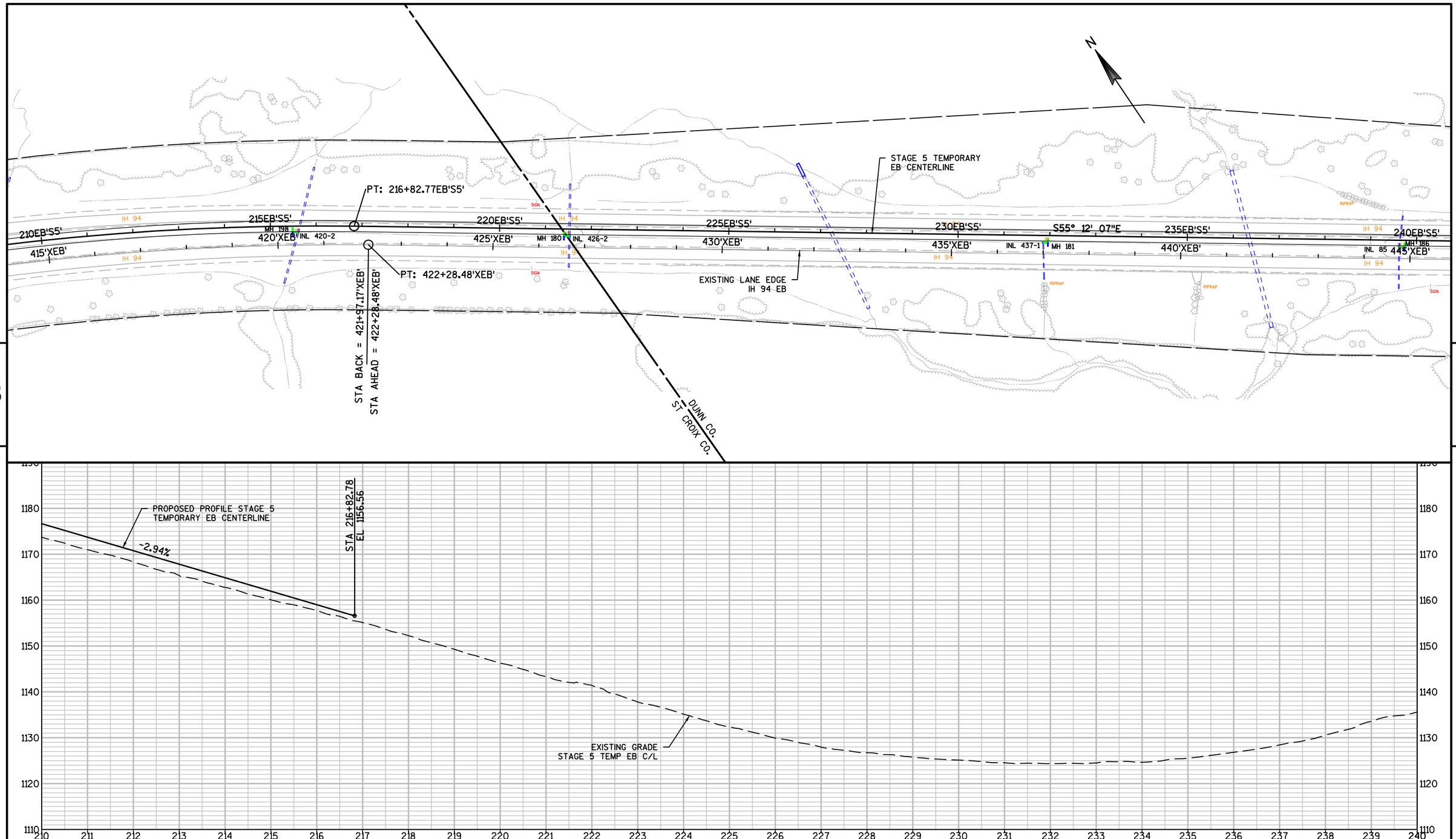
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST.CROIX & DUNN	PLAN AND PROFILE: STAGE 5 TEMPORARY EB CENTERLINE	SHEET 457	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\050095_PP_STAGE5_TEMPEBCL.DWG
LAYOUT NAME - SHEET - (6)
PLOT DATE : 8/15/2018 11:24 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST.CROIX & DUNN	PLAN AND PROFILE: STAGE 5 TEMPORARY EB CENTERLINE	SHEET 458	E



5

5

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST.CROIX & DUNN	PLAN AND PROFILE: STAGE 5 TEMPORARY EB CENTERLINE	SHEET 459	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\050095_PP_STAGE5_TEMPEBCL.DWG
LAYOUT NAME - SHEET - (8)
PLOT DATE : 8/15/2018 11:25 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44

PI STA = 261+79.51EB'S5'
Y = 187191.300
X = 110909.536
DELTA = 26°47'46"
D = 2°02'46"
T = 667.02'
L = 1309.64'
R = 2800.29'
PC STA = 255+12.48EB'S5'
PT STA = 268+22.13EB'S5'

N

240EB'S5'
445'XEB'
245EB'S5'
450'XEB'
250EB'S5'
455'XEB'
255EB'S5'
460'XEB'
260EB'S5'
465'XEB'
265EB'S5'
470'XEB'
270EB'S5'
475'XEB'

INL 85
MH 186
INL 451-1
MH 187
IH 94
SIGN

PI: 248+79.61EB'S5'
PI: 248+79.61
S56° 23' 17"E
PC: 255+12.48EB'S5'
PC: 459+68.43'XEB'
PT: 268+22.13EB'S5'
PT: 473+61.68'XEB'
STAGE 5 TEMPORARY EB CENTERLINE
EXISTING LANE EDGE IH 94 EB
PI: 264+79.51
STA BACK = 473+92.26'XEB'
STA AHEAD = 473+78.09'XEB'

EXISTING GRADE
STAGE 5 TEMP EB C/L

1220
1210
1200
1190
1180
1170
1160
1150
1140

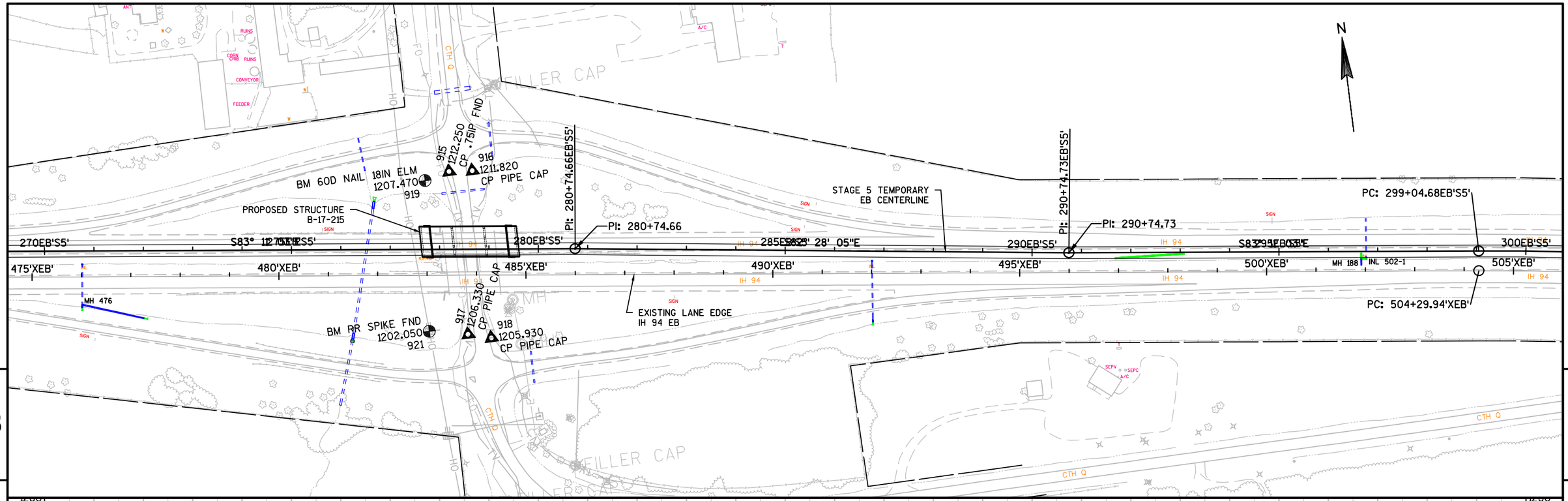
240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270

1135.60 1136.98 1138.23 1139.81 1141.25 1142.58 1144.25 1145.65 1147.14 1148.61 1150.41 1151.76 1153.31 1154.74 1156.16 1157.73 1159.19 1160.51 1162.18 1163.94 1165.70 1167.25 1168.67 1170.45 1172.03 1173.58 1175.27 1176.83 1178.46 1180.05 1181.65 1183.32 1184.98 1186.42 1188.08 1189.76 1191.31 1192.85 1194.33 1195.78 1197.30 1198.80 1200.15 1201.55 1202.91 1204.18 1205.45 1206.75 1207.87 1208.98 1210.17 1211.24 1212.18 1213.31 1214.24 1215.26 1216.03 1216.70 1217.34 1218.02 1218.74

5

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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST.CROIX & DUNN	PLAN AND PROFILE: STAGE 5 TEMPORARY EB CENTERLINE	SHEET 460	E



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST.CROIX & DUNN	PLAN AND PROFILE: STAGE 5 TEMPORARY EB CENTERLINE	SHEET 461 E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\050095_PP_STAGE5_TEMPEBCL.DWG
LAYOUT NAME - SHEET - (10)
PLOT DATE : 8/15/2018 11:25 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44

PI STA = 304+74.74EB'S5'
Y = 186666.256
X = 115197.083
DELTA = 11°15'44"
D = 0°59'28"
T = 570.06'
L = 1136.44'
R = 5781.58'
PC STA = 299+04.68EB'S5'
PT STA = 310+41.12EB'S5'

PI: 304+74.74

PT: 310+41.12EB'S5'

PT: 515+58.52'XEB'

STA BACK = 516+10.55'XEB'
STA AHEAD = 516+13.33'XEB'

STAGE 5 TEMPORARY
EB CENTERLINE

EXISTING LANE EDGE
IH 94 EB

PC: 331+09.14EB'

300EB'S5'
505'XEB'
305EB'S5'
510'XEB'
310EB'S5'
515'XEB'
315EB'S5'
520'XEB'
320EB'S5'
525'XEB'
325EB'S5'
530'XEB'
330EB'S5'
535'XEB'

MH 189
INL 508-2
MH 190
INL 516-1
INL 525-2
MH 191
INL 533-1
MH 192

IH 94
CTH Q
SIGN
SEPV
SEPTIC
SEPC

N 55° 55' 19" E

5

5

EXISTING GRADE
STAGE 5 TEMP EB C/L

| | | |

PI STA = 339+73.99EB'S5'
Y = 185579.261
X = 118527.091
DELTA = 17°19'20"
D = 1°00'33"
T = 864.85'
L = 1716.50'
R = 5677.58'
PC STA = 331+09.14EB'S5'
PT STA = 348+25.65EB'S5'

N

PC: 331+09.14EB'S5'
330EB'S5'
535'XEB'
536+29.32'XEB'
335EB'S5'
540'XEB'
340EB'S5'
545'XEB'
PI: 339+73.99
345EB'S5'
550'XEB'
350EB'S5'
555'XEB'
PT: 348+25.65EB'S5'
PT: 553+50.37'XEB'
STA BACK = 553+57.92'XEB'
STA AHEAD = 553+50.37'XEB'
355EB'S5'
560'XEB'
PC: 358+28.93EB'S5'
360EB'S5'
565'XEB'
PI: 360+02.12
S89° 14' 39"E
STAGE 5 TEMPORARY
EB CENTERLINE
EXISTING LANE EDGE
IH 94 EB
IH 94
INL 542-2
MH 193
INL 552-1
MH 194
INL 560-1
MH 195
SIGN

5

5

PROPOSED PROFILE STAGE 5
TEMPORARY EB CENTERLINE
STA 358+50.00
EL 1209.62
VPC STA 359+92.25
VPC EL 1209.98
0.30%
0.25%
STA 358+29.93
EL 1209.56
EXISTING GRADE
STAGE 5 TEMP EB C/L
VCL = 300.00
K = 251.46

1240 1230 1220 1210 1200 1190 1180 1170

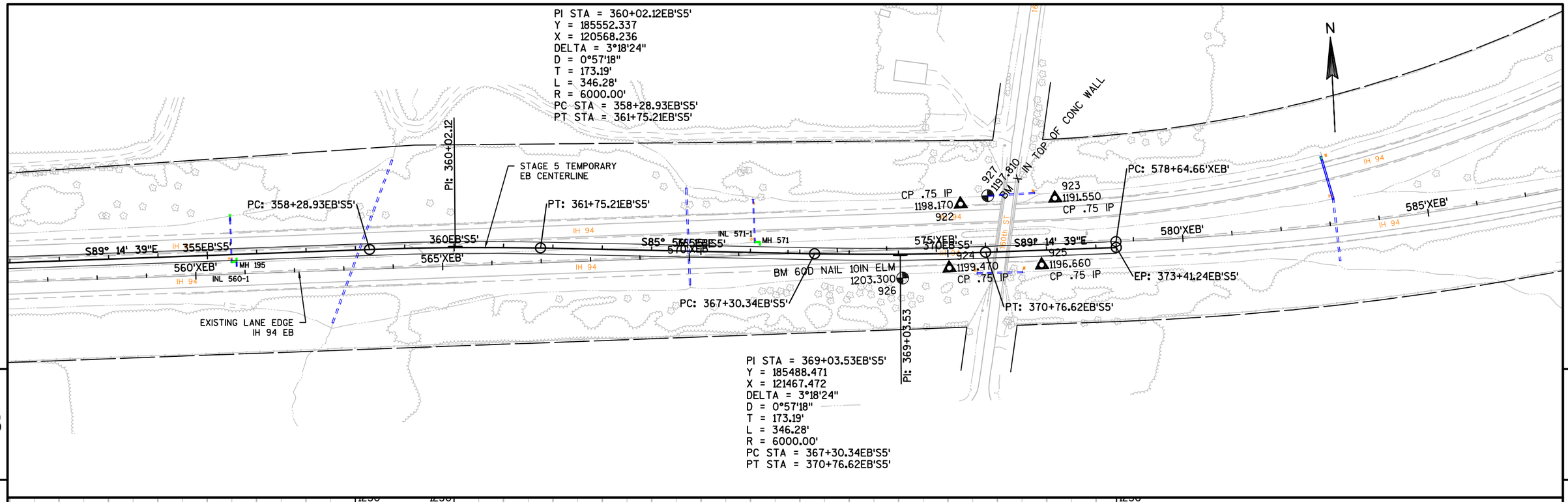
330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360

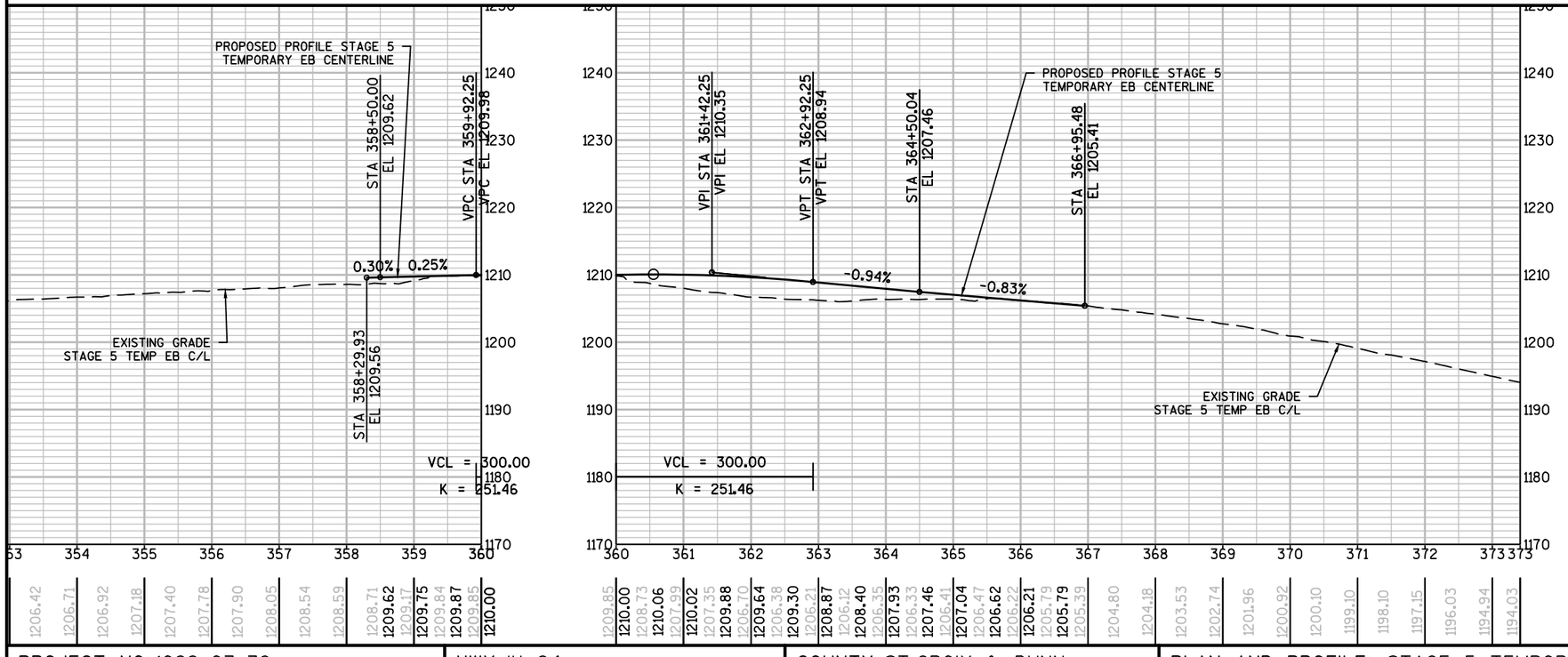
1195.21 1195.74 1196.19 1196.83 1197.18 1197.61 1197.92 1198.47 1198.89 1199.33 1199.65 1200.03 1200.46 1200.85 1201.06 1201.52 1201.84 1201.87 1202.13 1202.36 1202.60 1202.69 1203.09 1203.39 1203.75 1203.92 1204.09 1204.40 1204.60 1204.88 1204.91 1205.08 1205.19 1205.24 1204.76 1204.76 1204.61 1204.45 1204.72 1204.80 1205.36 1205.23 1205.20 1205.49 1205.72 1205.88 1206.15 1206.42 1206.71 1206.92 1207.18 1207.40 1207.78 1207.90 1208.05 1208.54 1208.59 1208.71 1209.62 1209.17 1209.75 1209.84 1209.87 1209.85 1210.00

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST.CROIX & DUNN	PLAN AND PROFILE: STAGE 5 TEMPORARY EB CENTERLINE	SHEET 463	E

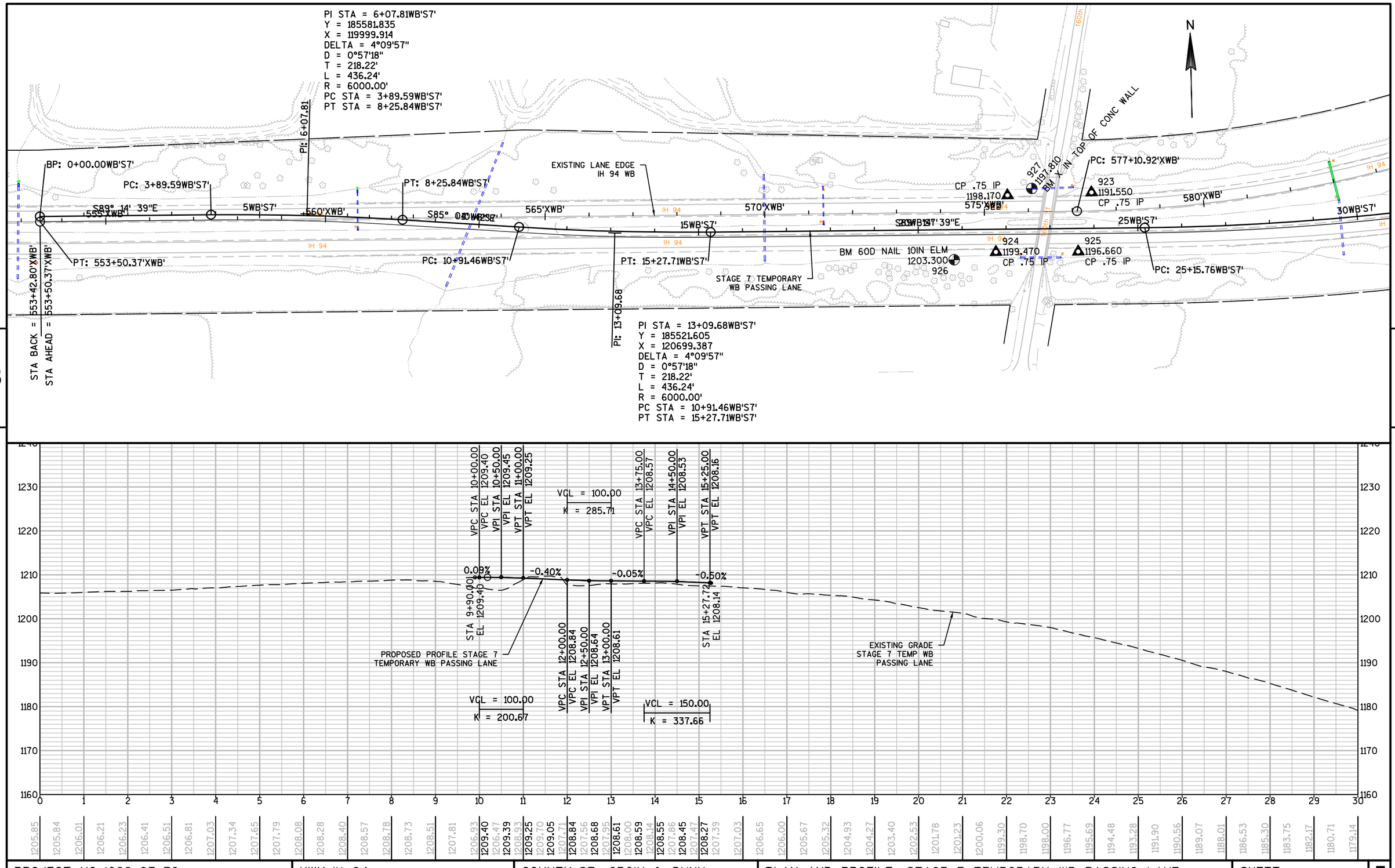
PI STA = 360+02.12EB'S5'
Y = 185552.337
X = 120568.236
DELTA = 3°18'24"
D = 0°57'18"
T = 173.19'
L = 346.28'
R = 6000.00'
PC STA = 358+28.93EB'S5'
PT STA = 361+75.21EB'S5'

PI STA = 369+03.53EB'S5'
Y = 185488.471
X = 121467.472
DELTA = 3°18'24"
D = 0°57'18"
T = 173.19'
L = 346.28'
R = 6000.00'
PC STA = 367+30.34EB'S5'
PT STA = 370+76.62EB'S5'





PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST.CROIX & DUNN	PLAN AND PROFILE: STAGE 5 TEMPORARY EB CENTERLINE	SHEET 464	E



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: STAGE 7 TEMPORARY WB PASSING LANE	SHEET 465	E

N

STA BACK = 590+72.74'XWB'
STA AHEAD = 590+73.57'XWB'

PT: 590+69.75'XWB'

590'XWB'

585'XWB'

595'XWB'

600'XWB'

PC: 600+35.01'XWB'

605'XWB'

610'XWB'

IH 94

EXISTING LANE EDGE
IH 94 WB

STAGE 7 TEMPORARY
WB PASSING LANE

PI: 58+38.66

PC: 52+62.87WB'S7'

RIPRAP

PT: 38+90.31WB'S7'

30WB'S7'

35WB'S7'

40WB'S7'

45WB'S7'

50WB'S7'

55WB'S7'

60WB'S7'

S 36° 57' 17"E

PI: 32+06.38

PI STA = 32+06.38WB'S7'
Y = 185496.586
X = 122596.108
DELTA = 13°48'03"
D = 1°00'15"
T = 690.62'
L = 1374.55'
R = 5706.58'
PC STA = 25+15.76WB'S7'
PT STA = 38+90.31WB'S7'

PI STA = 58+38.66WB'S7'
Y = 186092.252
X = 125166.972
DELTA = 17°02'37"
D = 1°29'28"
T = 575.79'
L = 1143.08'
R = 3842.72'
PC STA = 52+62.87WB'S7'
PT STA = 64+05.95WB'S7'

5

5

EXISTING GRADE
STAGE 7 TEMP WB
PASSING LANE

EXISTING GRADE
STAGE 7 TEMP WB
PASSING LANE

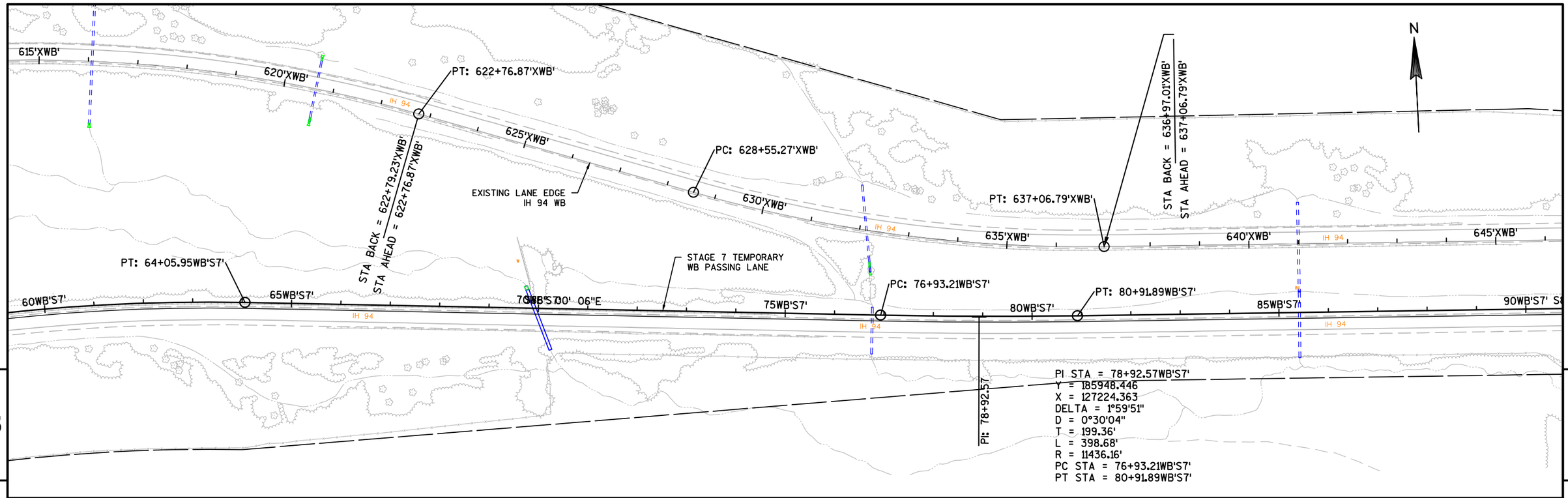
1180 1170 1160 1150 1140 1130 1120 1110

1120 1110 1100 1090 1080 1070 1060 1050

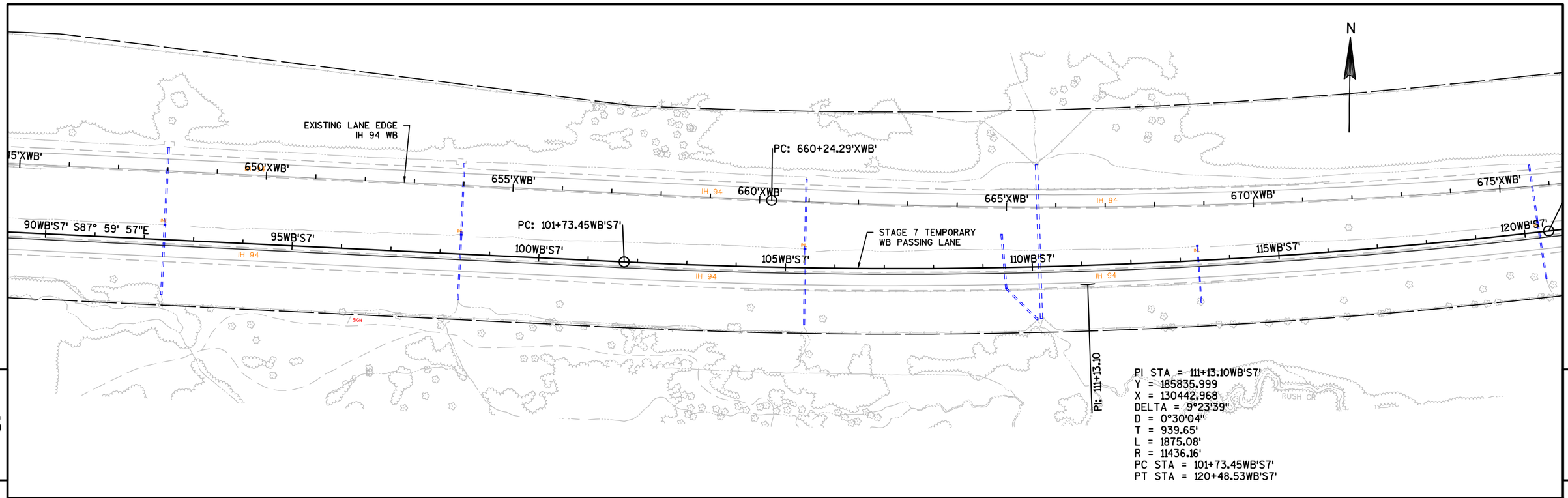
30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

1179.14 1177.25 1175.38 1173.69 1171.78 1170.15 1168.46 1166.21 1164.38 1162.07 1160.05 1158.55 1156.65 1154.57 1152.53 1150.61 1148.51 1146.55 1145.00 1143.03 1140.57 1138.54 1136.51 1134.46 1132.40 1130.50 1128.23 1126.17 1124.18 1122.16 1120.37 1118.34 1116.35 1114.29 1112.54 1110.51 1108.33 1106.49 1104.54 1102.48 1100.32 1098.52 1096.69 1094.74 1092.95 1090.82 1088.68 1087.30 1085.49 1083.57 1081.77 1079.73 1077.63 1076.07 1074.17 1071.87 1069.92 1068.00 1066.04 1063.94 1062.15

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: STAGE 7 TEMPORARY WB PASSING LANE	SHEET 466	E

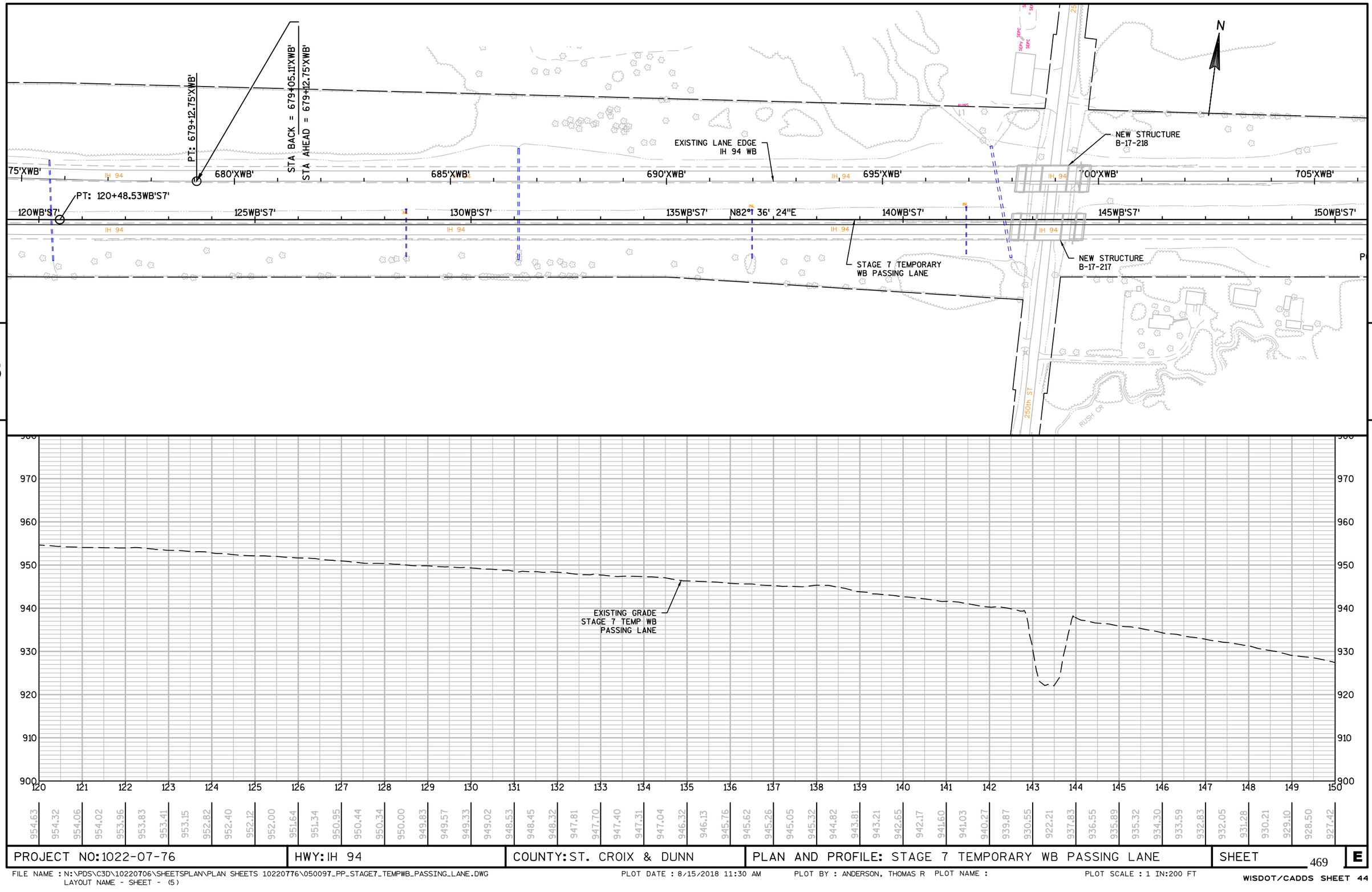


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: STAGE 7 TEMPORARY WB PASSING LANE	SHEET 467	E

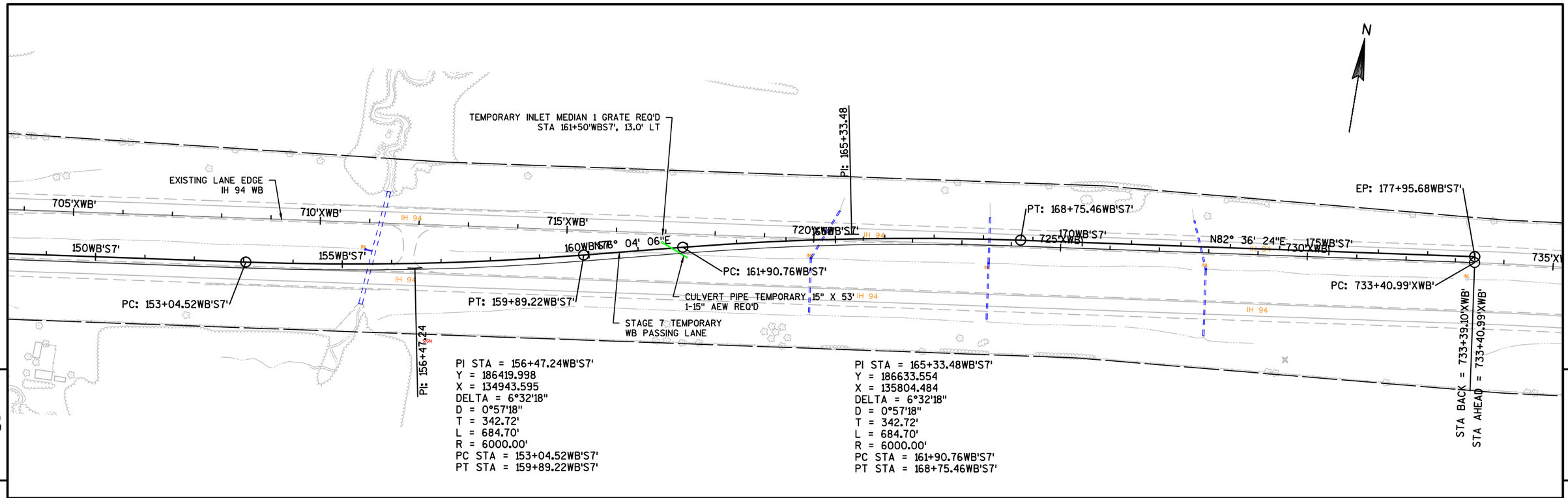


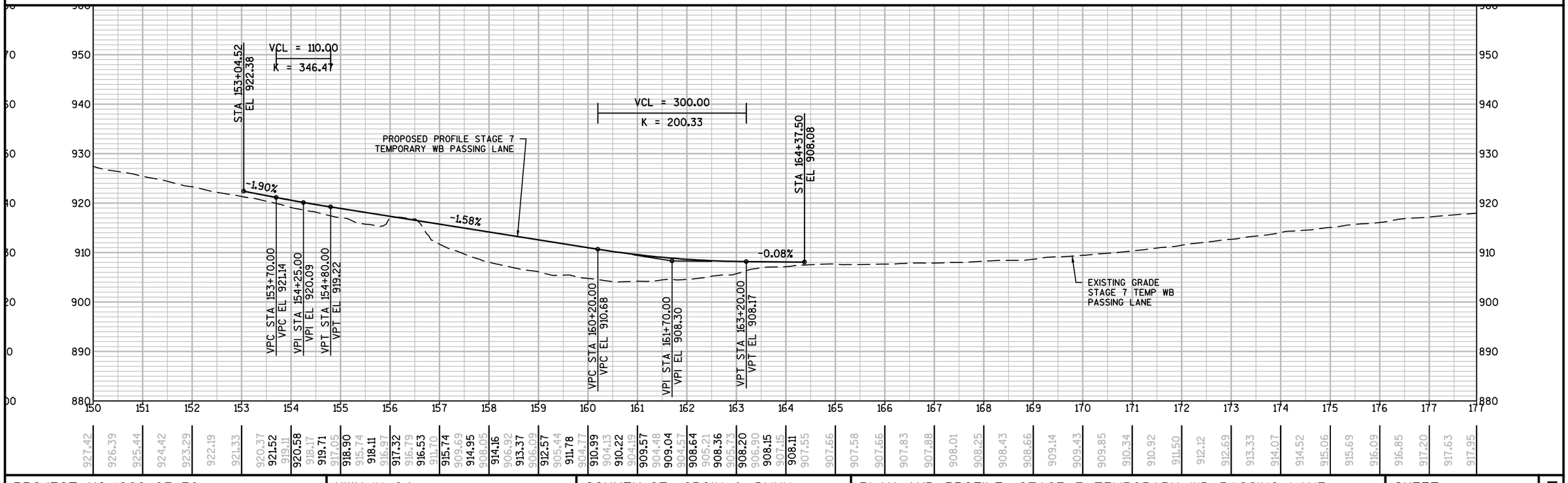
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: STAGE 7 TEMPORARY WB PASSING LANE	SHEET 468	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\050097_PP_STAGE7_TEMPWB_PASSING_LANE.DWG
LAYOUT NAME - SHEET - (4)
PLOT DATE : 8/15/2018 11:30 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: STAGE 7 TEMPORARY WB PASSING LANE	SHEET 469	E





PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: STAGE 7 TEMPORARY WB PASSING LANE	SHEET 470	E

PI STA = 11+11.56EB'S8'
Y = 185553.219
X = 120501.398
DELTA = 4°57'12"
D = 0°57'18"
T = 259.51'
L = 518.70'
R = 6000.00'
PC STA = 8+52.04EB'S8'
PT STA = 13+70.75EB'S8'

PI STA = 5+09.63EB'S8'
Y = 185509.137
X = 119900.764
DELTA = 4°57'12"
D = 0°57'18"
T = 259.51'
L = 518.70'
R = 6000.00'
PC STA = 2+50.12EB'S8'
PT STA = 7+68.82EB'S8'

PT: 553+50.37'XEB'
STA BACK = 553+57.92'XEB'
STA AHEAD = 553+50.37'XEB'
PI: 11+11.56
PI: 5+09.63
PC: 8+52.04EB'S8'
PT: 13+70.75EB'S8'
STAGE 8 TEMPORARY EB PASSING LANE
PC: 23+67.67EB'S8'
160th ST
TOP OF CONC WALL
BM X IN
927
1197.810
CP .75 IP
1198.170
922
923
1191.550
CP .75 IP
924
1199.470
CP .75 IP
925
1196.660
CP .75 IP
926
1203.300
BM 60D NAIL 10IN ELM
PC: 578+64.66'XEB'
BP: 0+00.00EB'S8'
PC: 2+50.12EB'S8'
PT: 7+68.82EB'S8'
EXISTING LANE EDGE
IH 94 EB
IH 94
N
555'XEB'
560'XEB'
565'XEB'
570'XEB'
575'XEB'
580'XEB'
S89° 14' 39"E
N85° 48' 09"E
S89° 14' 39"E 20EB'S8'
5EB'S8'
10EB'S8'
15EB'S8'
25EB'S8'
30EB'S8'

STA 6+88.39
EL 1207.95
VCL = 100.00
K = 173.74
STA 9+45.00
EL 1209.06
VPC STA 11+01.95
VPC EL 1209.76
VPI STA 12+01.95
VPI EL 1210.20
VPT STA 13+01.95
VPT EL 1210.06
STA 13+11.23
EL 1210.04
0.14%
0.72%
0.44%
-0.14%
VPC STA 7+65.00
VPC EL 1208.06
VPI STA 8+15.00
VPI EL 1208.13
VPT STA 8+65.00
VPT EL 1208.49
PROPOSED PROFILE STAGE 8
TEMPORARY EB PASSING LANE
EXISTING GRADE
STAGE 8 TEMP EB
PASSING LANE
VCL = 200.00
K = 341.59

1240 1230 1220 1210 1200 1190 1180 1170 1160
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

1207.01 1207.29 1207.38 1207.47 1207.63 1207.73 1207.85 1207.96 1207.95 1208.05 1208.29 1208.32 1208.42 1208.39 1208.28 1207.97 1207.88 1208.04 1207.04 1208.14 1205.96 1208.39 1205.45 1208.74 1205.66 1209.08 1206.08 1209.30 1206.73 1209.53 1209.38 1209.75 1209.77 1209.94 1209.21 1210.05 1209.54 1210.09 1209.81 1210.06 1209.83 1209.66 1209.51 1209.05 1208.67 1207.99 1207.60 1207.28 1206.66 1206.05 1205.42 1204.77 1203.93 1203.03 1201.83 1201.01 1199.76 1198.86 1198.09 1197.07 1195.96 1194.73 1193.32 1191.89 1190.33 1188.74 1187.20 1185.83 1184.31 1182.63 1181.42 1179.75 1178.36 1176.67

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: STAGE 8 TEMPORARY EB PASSING LANE	SHEET 471	E

PI STA = 30+59.09EB'S8'
Y = 185527.528
X = 122449.089
DELTA = 27°03'48"
D = 1°59'39"
T = 691.43'
L = 1357.05'
R = 2873.00'
PC STA = 23+67.67EB'S8'
PT STA = 37+24.71EB'S8'

PT: 37+24.71EB'S8'

PC: 46+90.50EB'S8'

PI: 58+69.73

PI STA = 58+69.73EB'S8'
Y = 186784.615
X = 124991.758
DELTA = 45°04'23"
D = 2°00'58"
T = 1179.23'
L = 2235.56'
R = 2841.79'
PC STA = 46+90.50EB'S8'
PT STA = 69+26.06EB'S8'

PT: 592+41.86'XEB'

PC: 606+14.42'XEB'

PI: 30+59.09

STAGE 8 TEMPORARY
EB PASSING LANE

EXISTING LANE EDGE
IH 94 EB

EXISTING GRADE
STAGE 8 TEMP EB
PASSING LANE

EXISTING GRADE
STAGE 8 TEMP EB
PASSING LANE

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: STAGE 8 TEMPORARY EB PASSING LANE	SHEET 472 E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\050098_PP_STAGE8_TEMPEB_PASSING_LANE.DWG
LAYOUT NAME - SHEET - (2)

PLOT DATE : 8/15/2018 11:34 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

PI STA = 79+29.98EB'S8'
Y = 186082.306
X = 127058.861
DELTA = 16°45'52"
D = 1°59'03"
T = 425.52'
L = 844.96'
R = 2887.79'
PC STA = 75+04.46EB'S8'
PT STA = 83+49.42EB'S8'

N

PT: 69+26.06EB'S8'

PC: 75+04.46EB'S8'

PT: 83+49.42EB'S8'

S71° 14' 04"E

STAGE 8 TEMPORARY
EB PASSING LANE

EXISTING LANE EDGE
IH 94 EB

PT: 617+54.22'XEB'

PC: 630+41.48'XEB'

PI: 79+29.98

PT: 634+40.55'XEB'

STA BACK = 636+41.94'XEB'
STA AHEAD = 638+52.10'XEB'

IH 94

60EB'S8' 65EB'S8' 70EB'S8' 75EB'S8' 80EB'S8' 85EB'S8' 90EB'S8'

615'XEB' 620'XEB' 625'XEB' 630'XEB' 635'XEB' 640'XEB'

5 5

EXISTING GRADE
STAGE 8 TEMP EB
PASSING LANE

EXISTING GRADE
STAGE 8 TEMP EB
PASSING LANE

1084.62 1082.94 1081.45 1079.90 1078.12 1076.61 1075.38 1073.95 1072.38 1070.79 1069.20 1067.73 1066.33 1064.52 1063.27 1061.84 1060.02 1058.86 1057.74 1056.46 1054.99 1053.99 1052.72 1050.76 1049.07 1047.48 1046.09 1044.69 1043.43 1042.25 1041.04 1039.67 1038.39 1037.24 1035.60 1034.51 1033.04 1031.43 1029.97 1028.49 1027.10 1025.35 1023.76 1022.03 1020.68 1019.00 1017.24 1015.71 1013.79 1011.96 1010.52 1009.07 1007.28 1006.07 1004.82 1003.62 1002.44 1001.26 1000.00 998.85 997.71

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: STAGE 8 TEMPORARY EB PASSING LANE	SHEET 473	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\050098_PP_STAGE8_TEMPEB_PASSING_LANE.DWG
LAYOUT NAME - SHEET - (3)
PLOT DATE : 8/15/2018 11:34 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44

PI STA = 116+04.22EB'S8'
Y = 185953.807
X = 130736.939
DELTA = 9°23'39"
D = 0°29'59"
T = 942.26'
L = 1880.30'
R = 11468.00'
PC STA = 106+61.96EB'S8'
PT STA = 125+42.26EB'S8'

N

STAGE 8 TEMPORARY
EB PASSING LANE

PC: 106+61.96EB'S8'

90EB'S8'

S8°35'38"E

100EB'S8'

105EB'S8'

110EB'S8'

115EB'S8'

120EB'S8'

IH 94

645'XEB'

650'XEB'

655'XEB'

660'XEB'

665'XEB'

670'XEB'

PT: 675

EXISTING LANE EDGE
IH 94 EB

PC: 657+32.26'XEB'

PI: 116+04.22

SIGN

RUSH CR

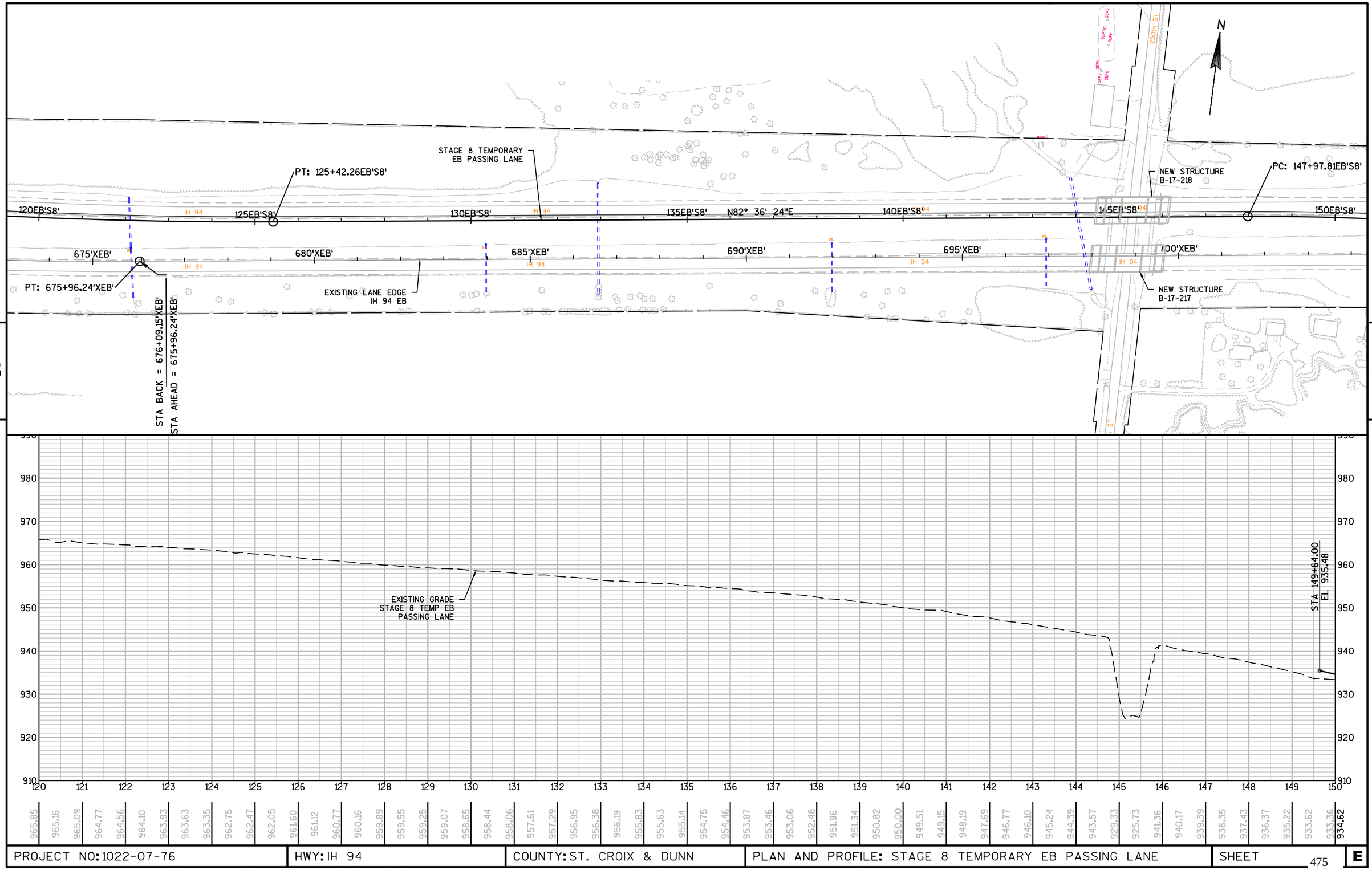
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5

EXISTING GRADE
STAGE 8 TEMP EB
PASSING LANE

90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
997.71	996.49	995.26	994.50	993.77	992.03	990.84	990.01	989.13	988.37	987.42	986.64	985.71	985.00	984.28	983.55	982.75	982.11	981.35	980.58	979.97	979.33	978.73	978.46	978.07	977.44	977.10	976.77	976.14	975.90	975.50	975.11	974.97	974.62	974.46	974.24	973.94	973.65	973.12	972.80	972.64	972.04	971.75	971.49	971.14	970.74	970.38	970.14	969.65	969.48	969.15	968.77	968.48	968.17	967.76	967.35	967.11	966.91	966.64	966.27	965.85

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: STAGE 8 TEMPORARY EB PASSING LANE	SHEET 474	E



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: STAGE 8 TEMPORARY EB PASSING LANE	SHEET 475	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\050098_PP_STAGE8_TEMPEB_PASSING_LANE.DWG
LAYOUT NAME - SHEET - (5)
PLOT DATE : 8/15/2018 11:34 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44

PI STA = 151+36.73EB'S8'
Y = 186408.915
X = 134244.260
DELTA = 6°27'57"
D = 0°57'18"
T = 338.92'
L = 677.11'
R = 6000.00'
PC STA = 147+97.81EB'S8'
PT STA = 154+74.92EB'S8'

PI: 151+36.73

PC: 147+97.81EB'S8'

PT: 154+74.92EB'S8'

STAGE 8 TEMPORARY
EB PASSING LANE

N

IH 94

150EB'S8'

155EB'S8'

S38° 04' 21"E

710'XEB'

705'XEB'

160EB'S8'

715'XEB'

165EB'S8'

720'XEB'

N32° 55' 24"E

725'XEB'

175EB'S8'

730'XEB'

EP: 176+41.05EB'S8'

EXISTING LANE EDGE
IH 94 EB

CULVERT PIPE TEMPORARY 15" X 27'
2-15" AEW REQ'D

PC: 157+02.85EB'S8'

PT: 163+79.96EB'S8'

PI: 160+41.77

PI STA = 160+41.77EB'S8'
Y = 186423.576
X = 135149.903
DELTA = 6°27'57"
D = 0°57'18"
T = 338.92'
L = 677.11'
R = 6000.00'
PC STA = 157+02.85EB'S8'
PT STA = 163+79.96EB'S8'

5

5

PROPOSED PROFILE STAGE 8
TEMPORARY EB PASSING LANE

VCL = 300.00
K = 196.65

STA 149+64.00
EL 935.48

STA 151+35.00
EL 931.37

STA 159+41.69
EL 915.82

-2.40%

-2.55%

-1.02%

VPC STA 154+65.00
VPC EL 922.97

VPI STA 156+15.00
VPI EL 919.15

VPT STA 157+65.00
VPT EL 917.62

EXISTING GRADE
STAGE 8 TEMP EB
PASSING LANE

980 960 970 950 960 940 950 930 940 920 930 910 920 900 910 890

150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176

933.36 934.62 933.36 932.07 934.62 933.41 932.21 929.58 927.46 930.99 924.90 929.72 923.08 928.44 920.79 927.17 918.79 925.90 916.53 924.63 914.51 923.35 912.80 922.11 911.93 920.99 911.93 920.00 912.38 919.13 913.23 918.39 914.41 917.78 917.23 917.27 916.87 916.76 916.33 916.25 916.20 915.78 915.39 915.04 914.68 914.35 914.08 913.98 913.78 913.61 913.39 913.28 913.24 913.29 913.35 913.51 913.69 913.94 914.17 914.58 914.87 915.36 915.82 916.32 916.78 917.40 918.16 918.78 919.45 919.98 920.58 921.07 921.56 922.09 922.46

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: STAGE 8 TEMPORARY EB PASSING LANE	SHEET 476	E

BEGIN PROJECT
STA. 254EB+50

N

STH 128

CAUTION

STA 265EB+01 TO STA 265EB+91 LT
REPLACE EXISTING CULVERT PIPE
1-18" X 90' CPRC CLASS III REQ'D

PC: 245+11.20WB
PC: 245+11.20EB
PT: 248+21.13WB
PT: 248+21.13EB
PC: 256+69.45WB
PC: 256+69.63EB
PI: 257+50.23EB
PT: 258+30.55WB
PT: 258+30.82EB
PC: 261+19.47WB
PI: 261+19.43EB
PI: 262+00.03WB
PT: 262+80.55WB
PT: 262+80.59EB

245WB
245EB
250WB
250EB
255WB
255EB
260WB
260EB
265WB
265EB
270WB
270EB

IH 94

S89° 39' 07"E
S89° 39' 07"E

50'
60'

PI: 246+63.18WB
PI: 246+63.52EB
PI: 257+50.00WB
PI: 262+00.03EB

STA BACK = 248+15.17WB
STA AHEAD = 248+21.13WB
STA BACK = 248+15.83EB
STA AHEAD = 248+21.13EB
STA BACK = 262+80.58WB
STA AHEAD = 262+80.55WB
STA BACK = 262+80.62EB
STA AHEAD = 262+80.59EB

STA 236EB+08 LT
CONSTRUCT MAINTENANCE CROSSOVER
30' PAVED WIDTH MIN.

PI STA = 246+63.52EB
Y = 191594.586
X = 89966.783
DELTA = 0°45'43"
D = 0°15'00"
T = 152.32'
L = 304.64'
R = 22906.31'
PC STA = 245+11.20EB
PT STA = 248+21.13EB

STA 245EB+36 RT
EXTEND EXISTING CULVERT PIPE
1-CONCRETE COLLAR REQ'D
1-30" X 2' CPRC CLASS III REQ'D
1-30" AEW REQ'D

PI STA = 257+50.23EB
Y = 191588.019
X = 91048.182
DELTA = 0°38'13"
D = 0°23'43"
T = 80.59'
L = 161.19'
R = 14500.00'
PC STA = 256+69.63EB
PT STA = 258+30.82EB

PI STA = 262+00.03EB
Y = 191580.288
X = 91497.914
DELTA = 0°38'13"
D = 0°23'43"
T = 80.59'
L = 161.19'
R = 14500.00'
PC STA = 261+19.43EB
PT STA = 262+80.59EB

SALVAGE EXISTING GUARDRAIL
STA 262EB+62 - STA 264EB+56, LT

STA 265EB+01 LT/RT
REPLACE EXISTING CULVERT PIPE
1-24" X 73' CPRC CLASS III REQ'D
1-24" AEW REQ'D

STA 265EB+91.00, 30.8' LT
1-INLET MEDIAN 2 GRATE REQ'D
2-INLET COVERS TYPE MS REQ'D

STA 265EB+01.00, 23.0' LT
1-INLET MEDIAN 2 GRATE REQ'D
2-INLET COVERS TYPE MS REQ'D

STA 245+00.00
EL 1238.26

EXISTING R/L GRADE

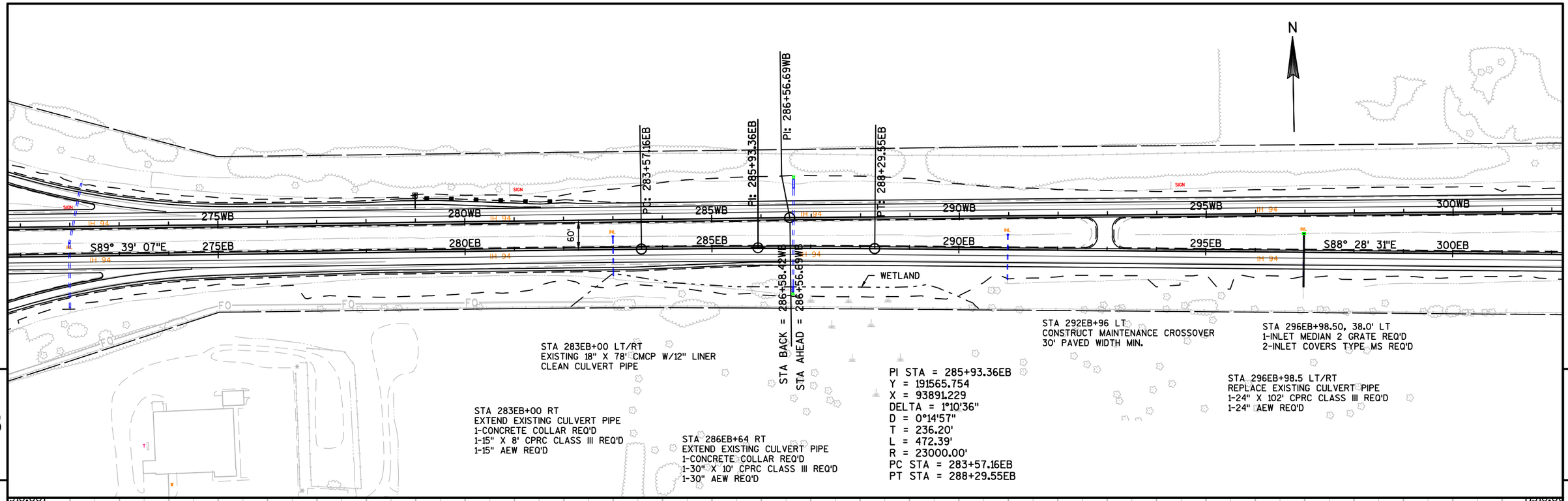
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FINISHED R/L PROFILE

1235.64	1236.19	1236.59	1237.03	1237.28
1237.67	1238.04	1238.39	1238.26	1238.64
1238.72	1239.01	1239.02	1239.35	1239.40
1239.81	1239.78	1240.19	1240.16	1240.59
1240.66	1240.88	1241.43	1241.26	1241.78
1241.64	1242.03	1242.43	1242.41	1242.81
1242.79	1243.21	1243.17	1243.52	1243.55
1243.90	1243.93	1244.22	1244.31	1244.60
1244.69	1245.14	1245.07	1245.51	1245.45
1245.83	1245.83	1246.13	1246.21	1246.61
1246.59	1247.00	1246.97	1247.42	1247.35
1247.87	1247.73	1248.30	1248.12	1248.74
1248.50	1249.11	1248.88	1249.52	1249.26
1249.90	1249.64	1250.27	1250.02	1250.62
1250.40	1250.96	1250.78	1251.37	1251.16
1251.71	1251.92	1252.37	1252.30	1252.74
1252.68	1253.06	1253.48	1253.44	1253.81
1253.82	1254.14	1254.20	1254.58	1254.59
1254.96	1254.97	1255.31	1255.35	1255.75
1255.73	1256.20	1256.11	1256.62	1256.49
1257.05	1256.87	1257.46	1257.25	1257.84
1257.63	1258.21	1258.01	1258.53	1258.38

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: IH 94 EASTBOUND	SHEET 477 E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\050101_PP_EB_IH94.DWG
LAYOUT NAME - SHEET - 05010 (3)
PLOT DATE : 9/20/2018 5:12 PM PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: IH 94 EASTBOUND	SHEET 478	E

STA 315EB+22.77- STA 316EB+52.64 LT
MGS GUARDRAIL TERMINAL EAT REQ'D
MGS GUARDRAIL REQ'D
MGS THRIE BEAM TRANSITION REQ'D

REMOVE EXISTING GUARDRAIL
STA 316EB+76 LT, MEDIAN
STA 317EB+82 LT, MEDIAN

STA 318EB+05.14 - STA 318EB+57.04 LT
MGS THRIE BEAM TRANSITION REQ'D
MGS GUARDRAIL REQ'D
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D

N

911
1231.070
BM 60D NAIL 6IN WOOD POST

908
1232.020
CP PIPE CAP

53rd AVE

WETLAND

CP PIPE CAP
1231.750
907

305WB | 310WB | 315WB | 320WB | 325WB | 330WB

305EB | 310EB | 315EB | 320EB | 325EB | 330EB

IH 94

PC: 307+95.90EB

PT: 311+74.60EB

100'

S89° 25' 37"E

WETLAND

912
1242.140
BM 60D NAIL 6IN WOOD POST

WETLAND

CP PIPE CAP
1241.280
909

910
1244.040
CP PIPE CAP

PI: 309+86.15EB

STA BACK = 311+78.39EB
STA AHEAD = 311+74.60EB

STA 313EB+55 RT
EXTEND EXISTING CULVERT PIPE
1-CONCRETE COLLAR REQ'D
1-36" X 8' CPRC CLASS III REQ'D
1-36" AEW REQ'D

STA 308EB+97.64- STA 316EB+52.64 RT
MGS GUARDRAIL TERMINAL EAT REQ'D
MGS GUARDRAIL REQ'D
MGS THRIE BEAM TRANSITION REQ'D

PI STA = 309+86.15EB
Y = 191502.086
X = 96283.190
DELTA = 0°57'06"
D = 0°15'00"
T = 190.25'
L = 380.50'
R = 22906.31'
PC STA = 307+95.90EB
PT STA = 311+74.60EB

SALVAGE EXISTING GUARDRAIL
STA 309EB+00 - STA 316EB+77, RT
STA 312EB+39 - STA 316EB+77, LT
STA 317EB+81 - STA 319EB+49, RT

STA 318EB+05.14 - STA 318EB+57.04 RT
MGS THRIE BEAM TRANSITION REQ'D
MGS GUARDRAIL REQ'D
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
911	317+67.27	WB 94, 232' LT, NAIL IN 6" WOOD POST	1231.07
912	317+80.93	EB 94, 149' RT, NAIL IN 6" WOOD POST	1242.14

VCL = 300.00
K = 1318.88

VPC STA 309+51.79EB
VPC EL 1262.08

VPI STA 316+75.00EB
VPI EL 1263.000

VPT STA 324+00.00EB
VPT EL 1247.09

STA 317EB+29.50
REMOVE STRUCTURE B-55-22
3-SPAN CONCRETE HAUNCHED SLAB
104.3 FEET OVERALL LENGTH
42.8 FEET OVERALL WIDTH

FINISHED R/L PROFILE

0.13%

VPC STA 303+50.00EB
VPC EL 1261.65

VPI STA 305+00.00EB
VPI EL 1261.50

VPT STA 306+50.00EB
VPT EL 1261.69

STA 317EB+29.50
STRUCTURE B-55-248 REQUIRED
SINGLE-SPAN 45W" PRESTRESSED
CONCRETE GIRDERS
60 FOOT CLEAR ROADWAY
0 DEGREE SKEW TYP.

EXISTING R/L GRADE

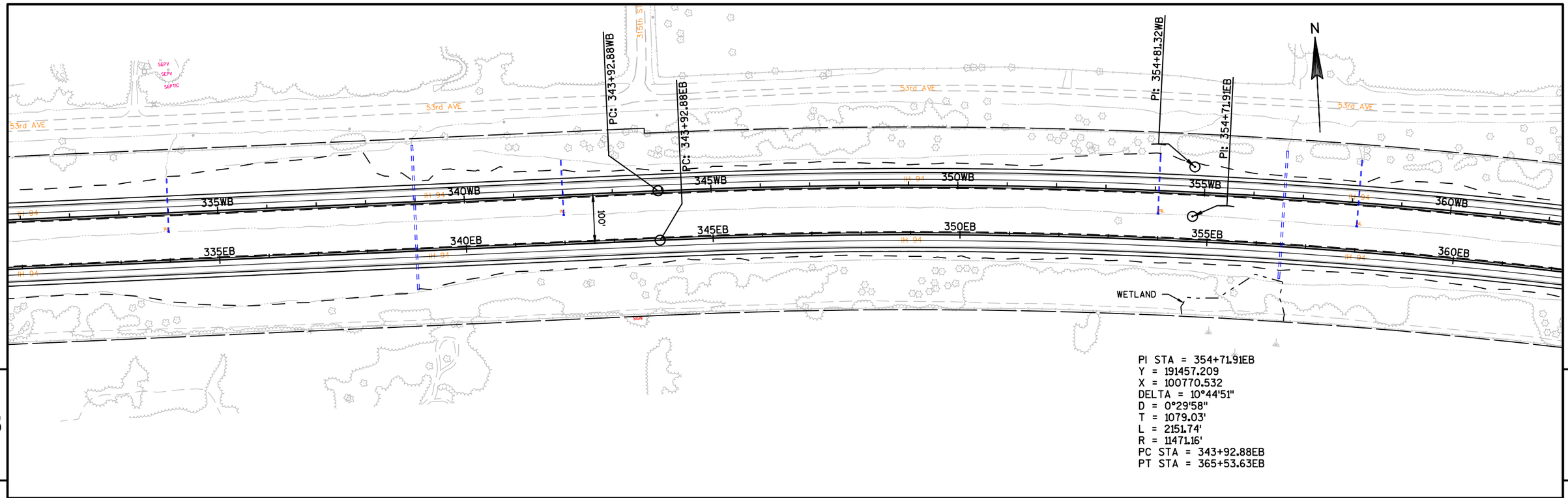
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K = 624.30

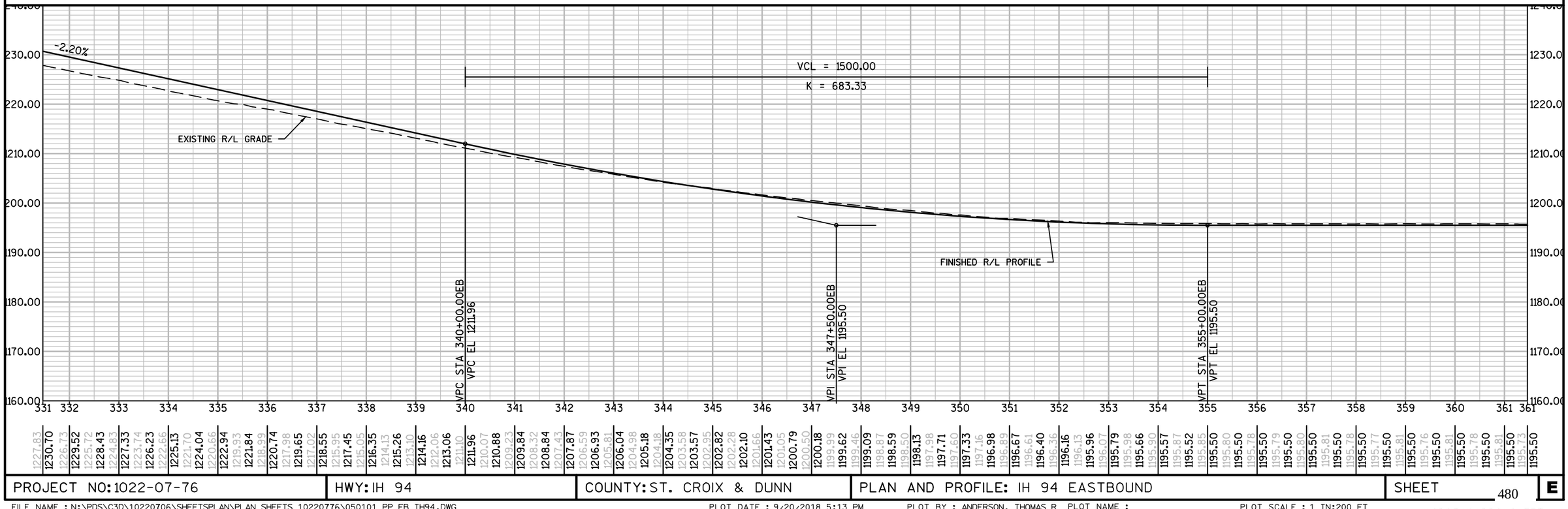
220.00 230.00 240.00 250.00 260.00 270.00 280.00 290.00

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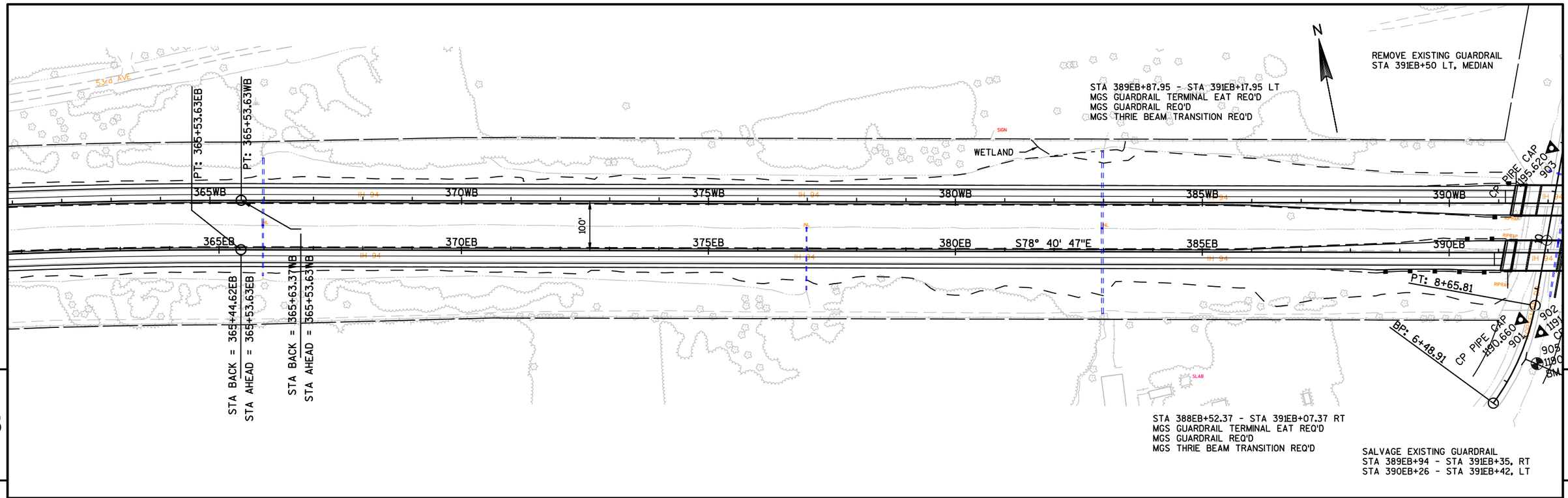
301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 331

| | | |





PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: IH 94 EASTBOUND	SHEET 480 E



5

5

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: IH 94 EASTBOUND	SHEET 481	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\050101_PP_EB_IH94.DWG
LAYOUT NAME - SHEET - 05010 (7)

PLOT DATE : 9/20/2018 5:14 PM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

REMOVE EXISTING GUARDRAIL
STA 392EB+55 LT, MEDIAN

906
1200.130
BM 60D SPIKE WEST FACE 28IN ASPON

904
1195.690
CP PIPE CAP

PIPE CAP
1195.620
903

PC: 397+44.76WB

PC 398+44.50EB

395WB

400WB

405WB

410WB

415WB

420WB

395EB

400EB

405EB

410EB

415EB

420EB

100'

PI: 409+32.8

PI: 410+37.58EB

PT: 420+87.60WB

PT: 422+28.48EB

STA BACK = 422+97.17EB
STA AHEAD = 422+28.48EB

N

PIPE CAP
1190.660
901

902
1191.320
CP PIPE CAP

903
1190.520
BM 60D SPIKE WEST FACE 14IN ELM

PI: 7+59.28

STA 392EB+30/392WB+48 LT&RT
REPLACE EXISTING CULVERT PIPE
1-30" X 226' CPRC CLASS III REQ'D
2-30" AEW REQ'D
INLET END OF AEW AT STA 11+27 50th AVE, 36' RT
DISCH END OF AEW AT STA 8+89 50th AVE, 36' RT

PI STA = 410+37.58EB
Y = 190365.221
X = 106225.284
DELTA = 23°28'39"
D = 0°59'52"
T = 1193.08'
L = 2352.68'
R = 5741.58'
PC STA = 398+44.50EB
PT STA = 422+28.48EB

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
905	391+78.83	EB 94, 225' RT, SPIKE W FACE 14" ELM	1190.52
906	392+88.39	WB 94, 289' LT, SPIKE W/F 28" ASPEN	1200.13

STA 391EB+93.48
REMOVE STRUCTURE B-55-19
3-SPAN CONCRETE HAUNCHED SLAB
104.3 FEET OVERALL LENGTH
42.8 FEET OVERALL WIDTH

STA 391EB+93.48
STRUCTURE B-55-246 REQUIRED
3-SPAN 36W" PRESTRESSED
CONCRETE GIRDERS
60 FOOT CLEAR ROADWAY
10 DEGREE SKEW TYP.

VPI STA 399+00.00
VPI EL 1225.460

FINISHED R/L PROFILE

EXISTING R/L GRADE

VPT STA 410+00.00EB
VPT EL 1192.46

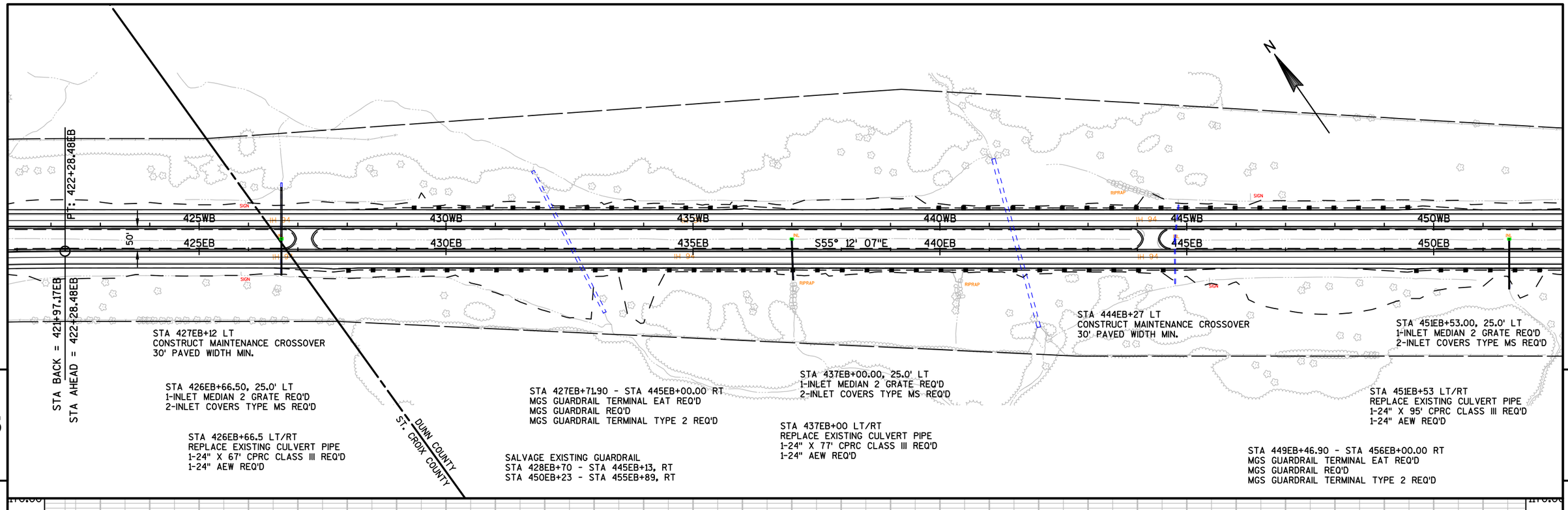
VCL = 2200.00
K = 511.32

-3.00%

1250.00
1220.00
1210.00
1200.00
1190.00
1180.00
1170.00
1160.00
1150.00

391 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 421

| | | |

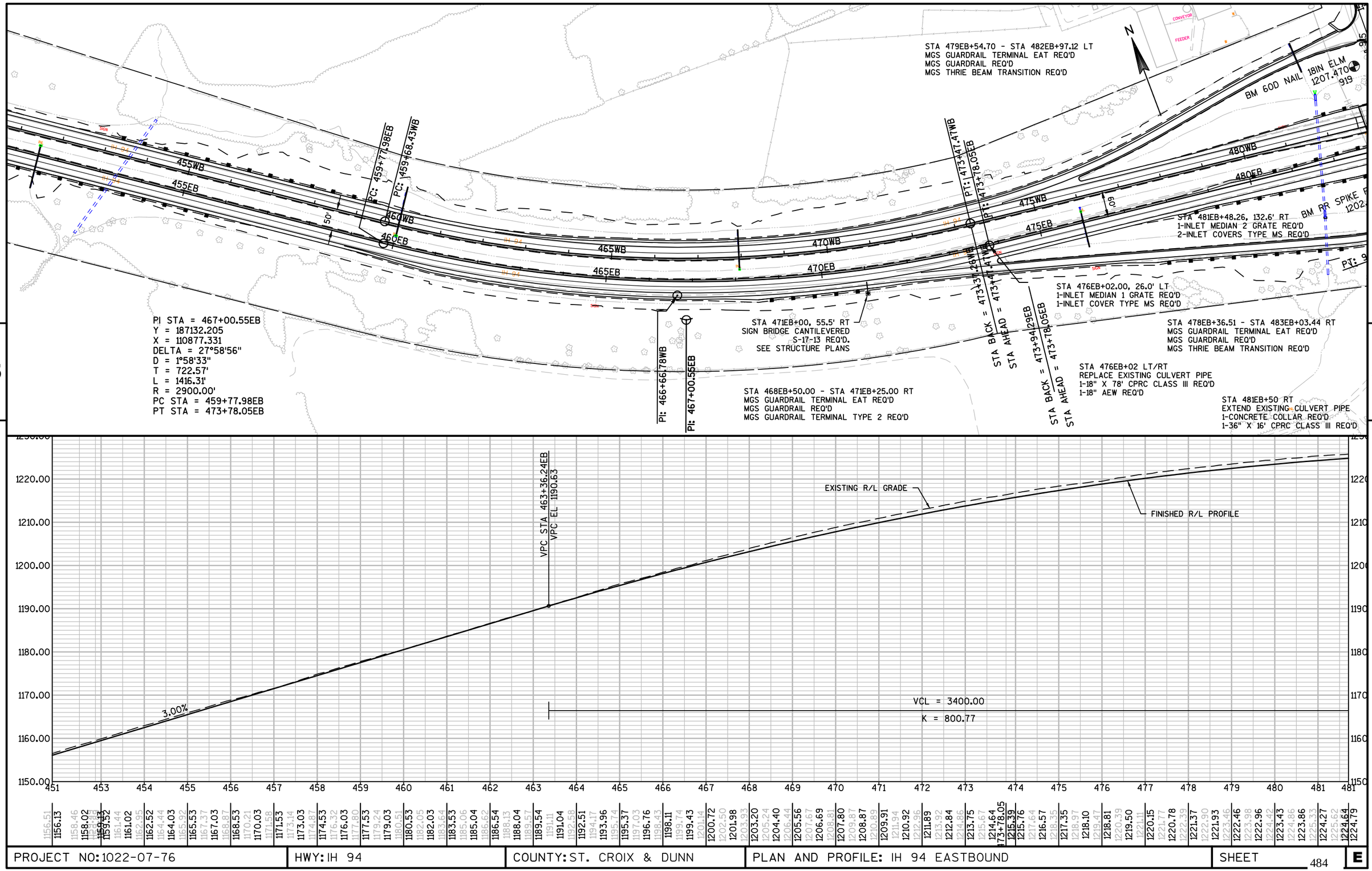


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: IH 94 EASTBOUND	SHEET 483 E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\050101_PP_EB_IH94.DWG
LAYOUT NAME - SHEET - 05010 (9)

PLOT DATE : 9/20/2018 5:14 PM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44



5

5

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: IH 94 EASTBOUND	SHEET 484	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\050101_PP_EB_IH94.DWG
LAYOUT NAME - SHEET - 05010 (10)
PLOT DATE : 9/20/2018 5:15 PM
PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44

REMOVE EXISTING GUARDRAIL
STA 483EB+38 LT, MEDIAN
STA 484EB+42 LT, MEDIAN

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
919	482+96.80	WB 94, 142' LT, NAIL IN 18" ELM	1207.47
921	483+04.02	EB 94, 103' RT, SPIKE FND	1202.05

N

D NAIL 18IN ELM
1207.470
919

BM RR SPIKE FND
1202.050
921

915
1212.230
LT
BP FND

916
1211.820
CP PIPE CAP

917
1206.330
CP PIPE CAP

918
1205.930
CP PIPE CAP

914
1209.920

485WB
485EB
490WB
495WB
495EB
500WB
500EB
505WB
505EB
510WB
510EB

S83° 11' 03"E 490EB

PC: 504+29.95WB
PC: 504+79.33EB
PI: 510+00.99WB
PI: 510+46.27EB

60'

PT: 9+40.24

STA 492EB+02 RT
EXTEND EXISTING CULVERT PIPE
1-CONCRETE COLLAR REQ'D
1-18" X 4' CPRC CLASS III REQ'D
1-18" AEW REQ'D

SALVAGE EXISTING GUARDRAIL
STA 477EB+91 - STA 483EB+45, RT
STA 482EB+25 - STA 483EB+40, LT
STA 484EB+49 - STA 485EB+67, RT

PI STA = 510+46.27EB
Y = 186611.118
X = 115237.096
DELTA = 11°15'44"
D = 0°59'47"
T = 566.94'
L = 1130.23'
R = 5750.00'
PC STA = 504+79.33EB
PT STA = 516+13.33EB

PT: -13+78.84

STA 483EB+93.97
REMOVE STRUCTURE B-17-18
3-SPAN CONCRETE HAUNCHED SLAB
104.3 FEET OVERALL LENGTH
42.8 FEET OVERALL WIDTH

STA 483EB+93.97
STRUCTURE B-17-214 REQUIRED
3-SPAN CONCRETE HAUNCHED SLAB
60 FOOT CLEAR ROADWAY
6.017 DEGREE SKEW TYP.

VPT STA 497+20.00EB
VPT ELL 1220.49

FINISHED R/L PROFILE

EXISTING R/L GRADE

-1.24%

VCL = 3400.00

K = 800.77

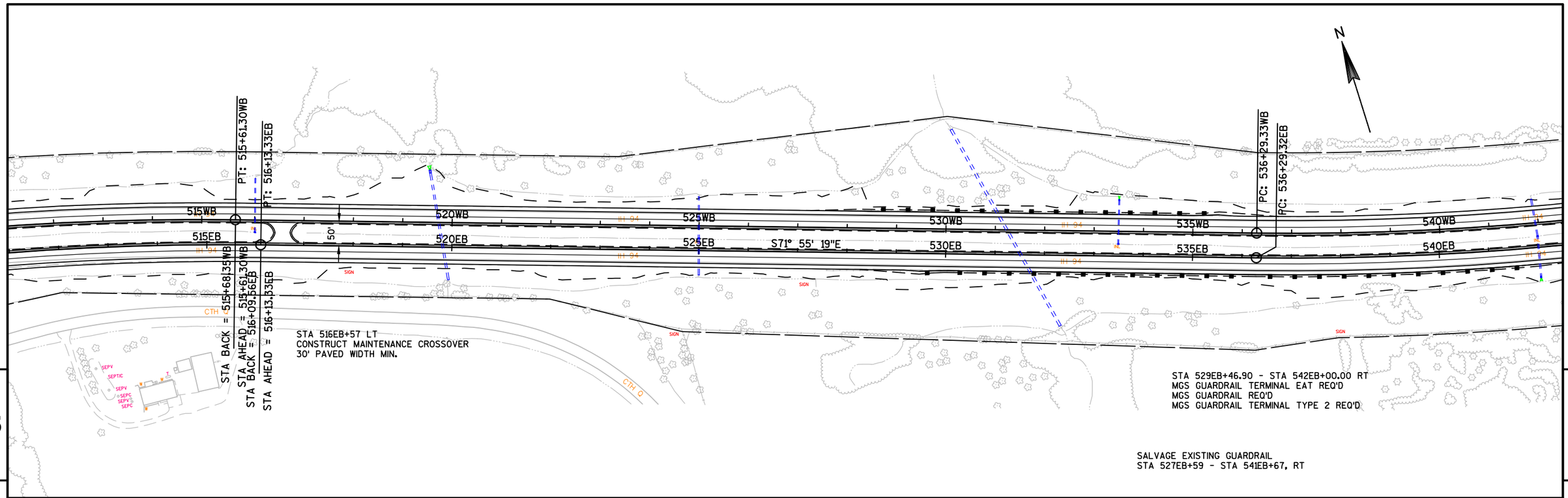
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: IH 94 EASTBOUND	SHEET 485 E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\050101_PP_EB_IH94.DWG
LAYOUT NAME - SHEET - 05010 (11)

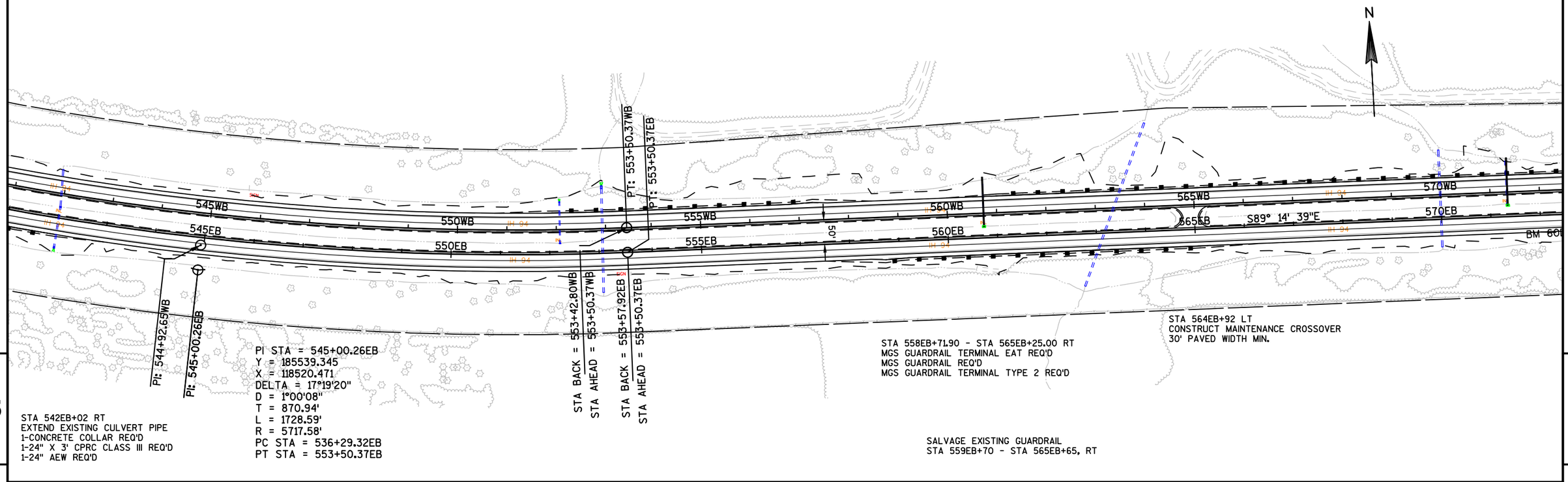
PLOT DATE : 9/20/2018 5:15 PM PLOT BY : ANDERSON, THOMAS R PLOT NAME :

PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44



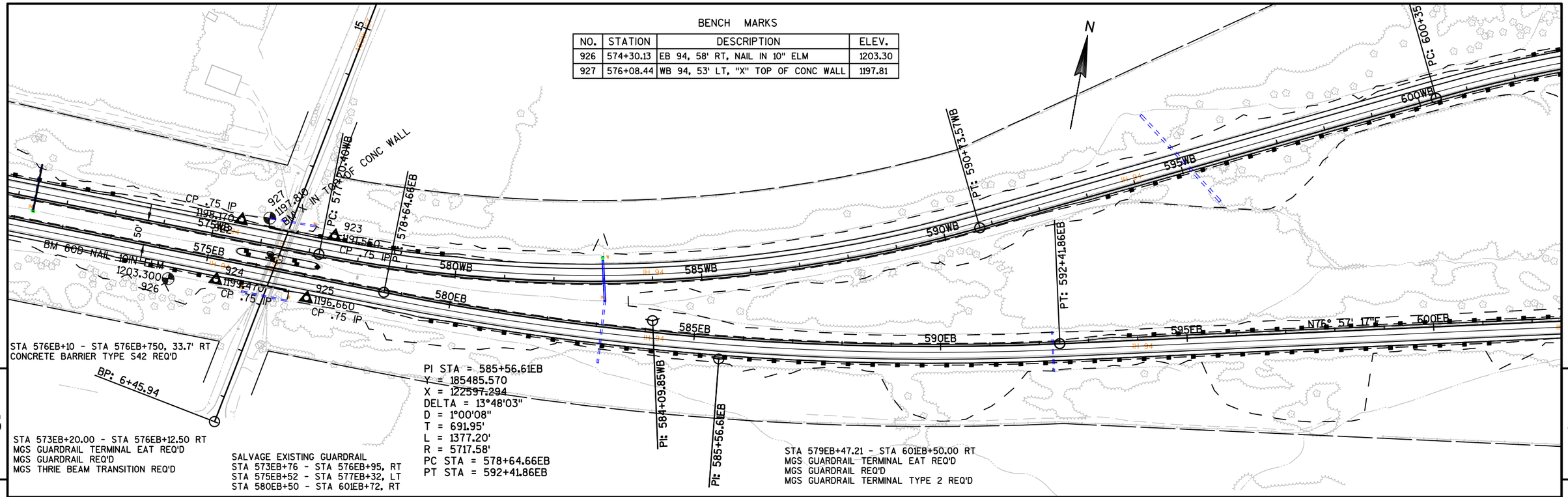
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: IH 94 EASTBOUND	SHEET 486	E

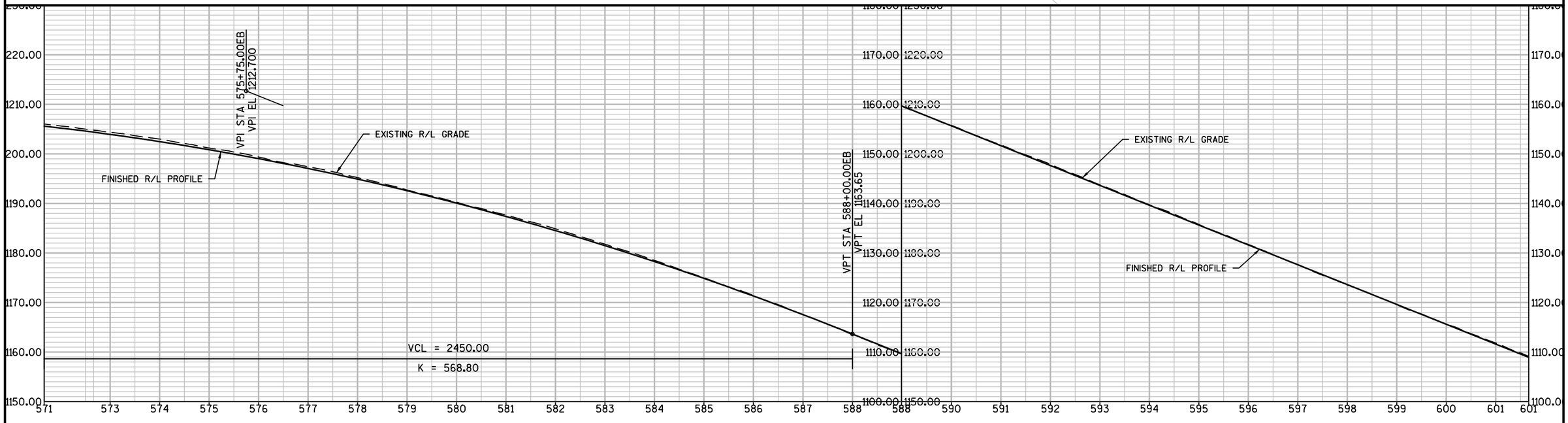


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: IH 94 EASTBOUND	SHEET 487	E

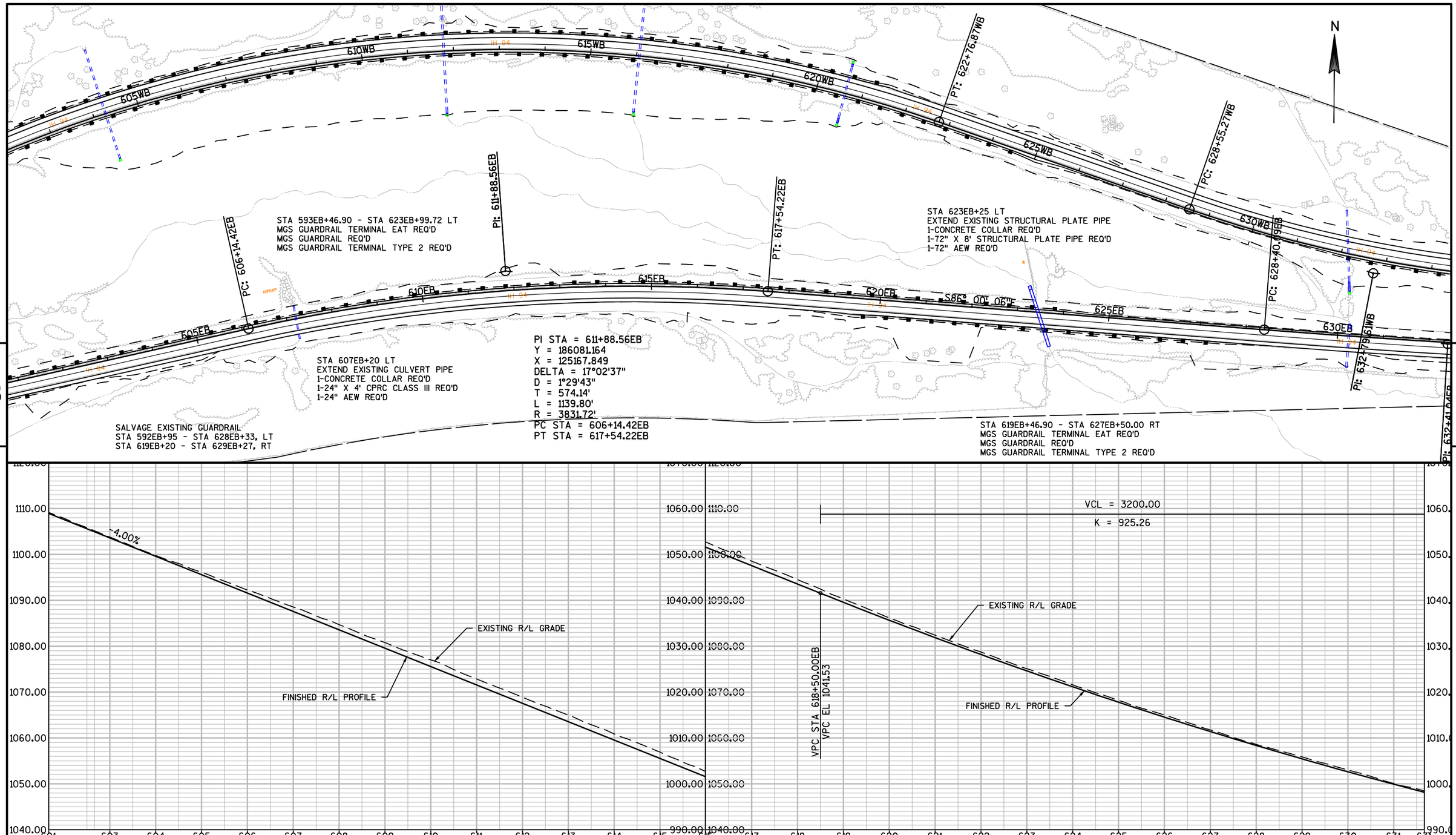
BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
926	574+30.13	EB 94, 58' RT, NAIL IN 10" ELM	1203.30
927	576+08.44	WB 94, 53' LT, "X" TOP OF CONC WALL	1197.81



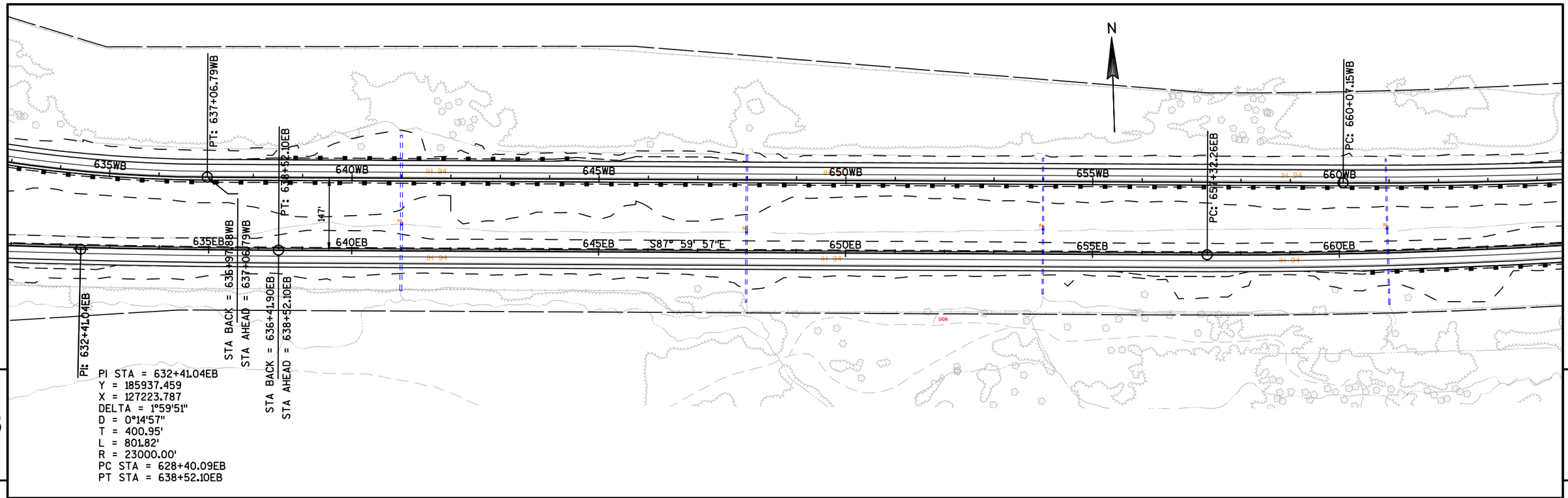


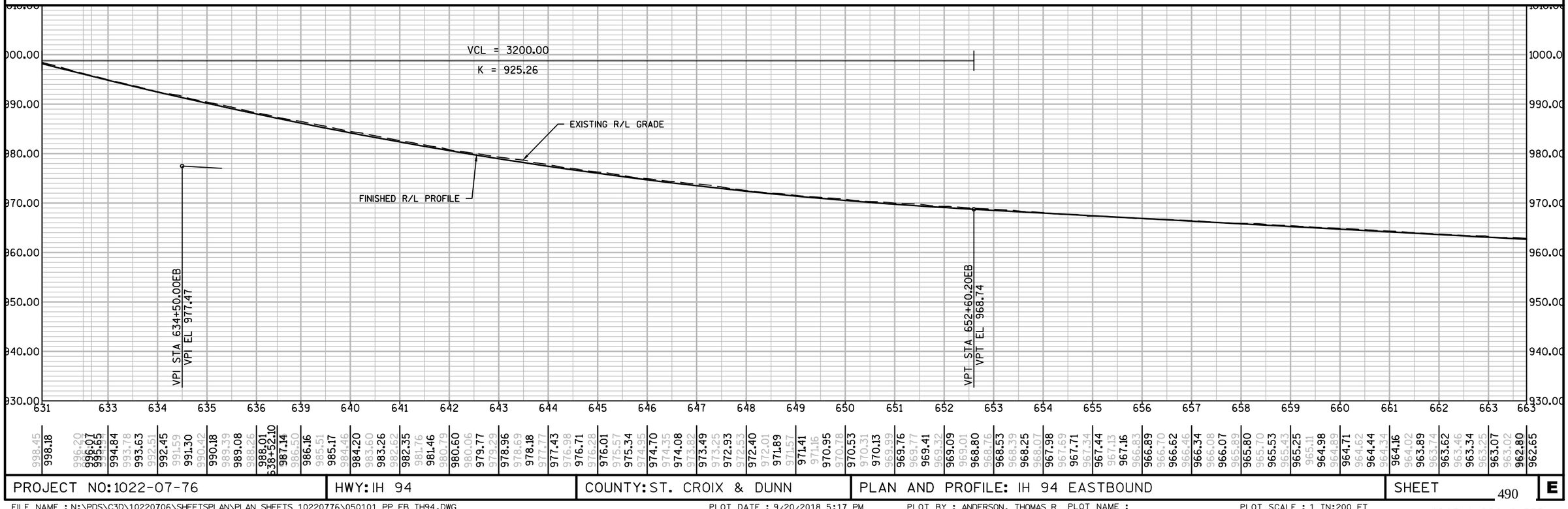
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: IH 94 EASTBOUND	SHEET 488	E



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: IH 94 EASTBOUND	SHEET 489	E

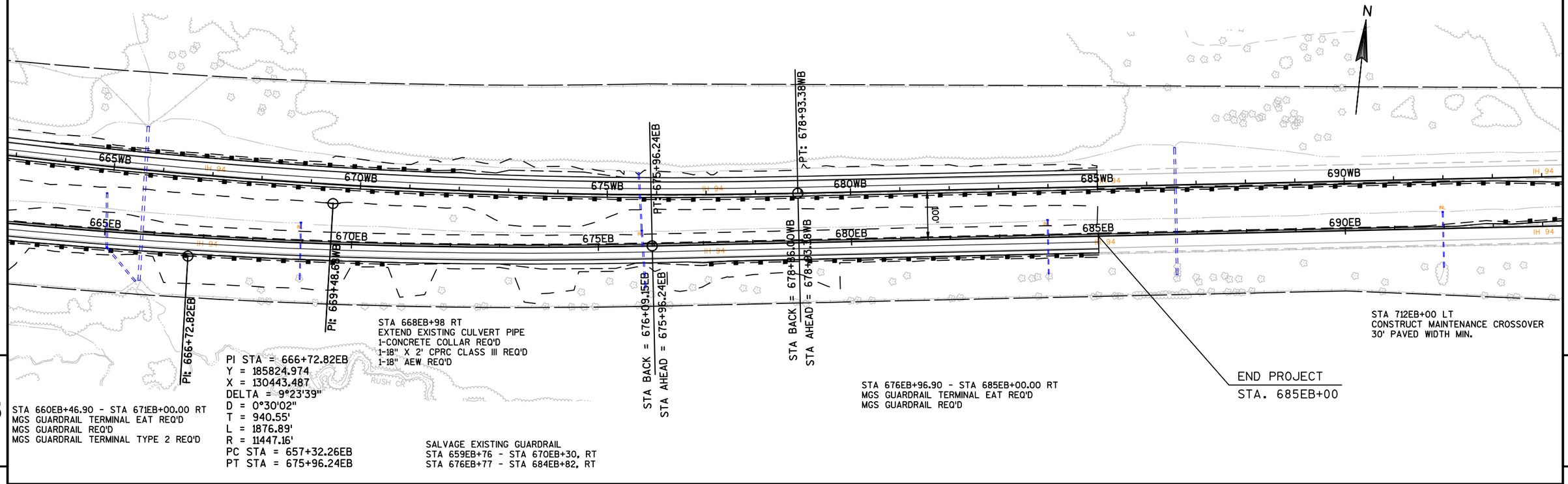
FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\050101_PP_EB_IH94.DWG
LAYOUT NAME - SHEET - 05010 (15)
PLOT DATE : 9/20/2018 5:17 PM PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44

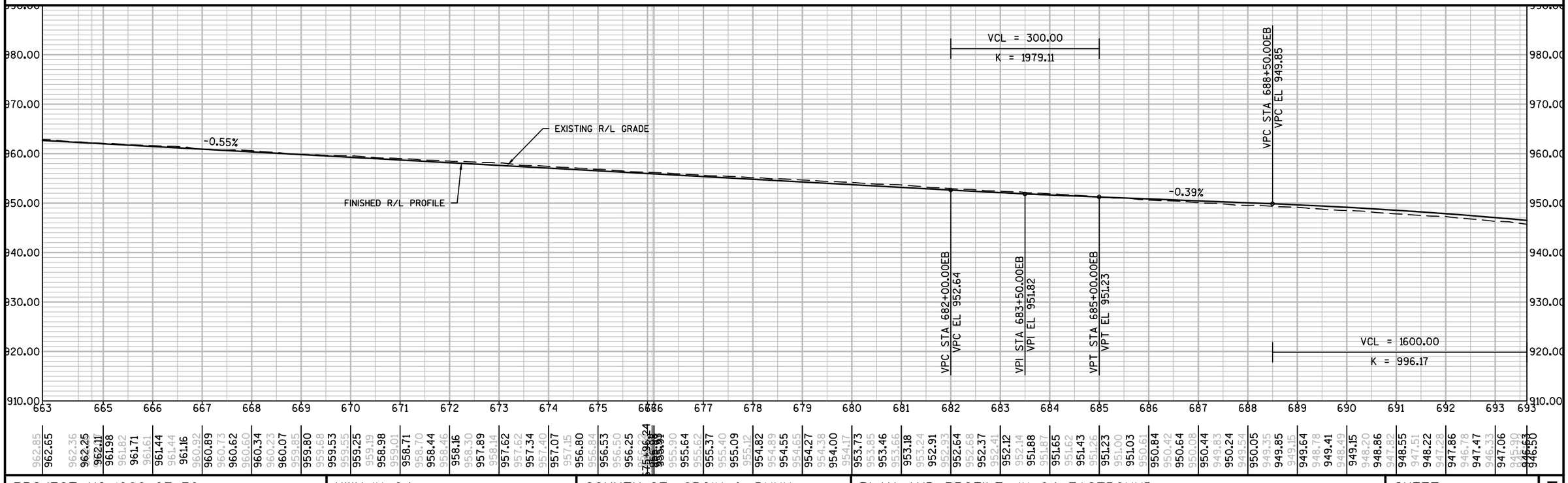




PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: IH 94 EASTBOUND	SHEET 490	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\050101_PP_EB_IH94.DWG
LAYOUT NAME - SHEET - 05010 (16)
PLOT DATE : 9/20/2018 5:17 PM PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: IH 94 EASTBOUND	SHEET 491 E

PI STA = 246+63.18WB
Y = 191644.583
X = 89967.419
DELTA = 0°45'43"
D = 0°15'02"
T = 151.99'
L = 303.97'
R = 22856.31'
PC STA = 245+11.20WB
PT STA = 248+21.13WB

PI STA = 257+50.00WB
Y = 191638.019
X = 91048.256
DELTA = 0°38'12"
D = 0°23'43"
T = 80.55'
L = 161.10'
R = 14500.00'
PC STA = 256+69.45WB
PT STA = 258+30.55WB

PI STA = 262+00.03WB
Y = 191640.287
X = 91498.279
DELTA = 0°38'12"
D = 0°23'43"
T = 80.55'
L = 161.10'
R = 14500.00'
PC STA = 261+19.47WB
PT STA = 262+80.55WB

N

BEGIN CONSTRUCTION
STA. 254WB+50

STA 236WB+08 RT
CONSTRUCT MAINTENANCE CROSSOVER
30' PAVED WIDTH MIN.

STA 262WB+61.85 - STA 264WB+56.03 RT
(2) STEEL THRIE BEAM BULLNOSE TERMINALS REQ'D
STEEL THRIE BEAM REQ'D

CAUTION
STA 265WB+01 LT/RT
REPLACE EXISTING CULVERT PIPE
1-24" X 77' CPRC CLASS III REQ'D
1-24" AEW REQ'D

PC: 245+11.20WB
PC: 245+11.20EB
PT: 248+21.13WB
PT: 248+21.13EB
PC: 256+69.63EB
PC: 256+69.45WB
PI: 257+50.23EB
PT: 258+30.55WB
PT: 258+30.82EB
PC: 261+19.43EB
PC: 261+19.47WB
PI: 262+00.03WB
PT: 262+80.55WB
PT: 262+80.59EB

245WB
245EB
250WB
250EB
255WB
255EB
260WB
260EB
265WB
265EB
270WB
270EB

IH 94

S89° 39' 07"E
N89° 42' 30"E
50'
60'

PI: 246+63.18EB
PI: 246+63.52EB
STA BACK = 248+15.17WB
STA AHEAD = 248+21.13WB
STA BACK = 248+15.83EB
STA AHEAD = 248+21.13EB
PI: 257+50.00WB
PI: 262+00.03EB
STA BACK = 262+80.58WB
STA AHEAD = 262+80.55WB
STA BACK = 262+80.62EB
STA AHEAD = 262+80.59EB

STH 128

STA 245+00.00
EL 1239.76

EXISTING R/L GRADE
0.76%
FINISHED R/L PROFILE

1280.00
1270.00
1260.00
1250.00
1240.00
1230.00
1220.00
1210.00

241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271

1236.83 1237.28 1237.79 1238.19 1238.48 1238.81 1239.17 1239.54 1239.76 1239.89 1240.14 1240.37 1240.52 1240.76 1240.90 1241.27 1241.28 1241.74 1241.66 1242.19 1242.16 1242.38 1242.86 1242.76 1243.27 1243.14 1243.50 1243.52 1243.83 1243.90 1244.21 1244.28 1244.70 1244.66 1244.84 1245.04 1245.23 1245.42 1245.61 1245.81 1246.18 1246.19 1246.58 1246.57 1246.90 1246.95 1247.34 1247.33 1247.77 1247.71 1248.18 1248.09 1248.58 1248.47 1249.08 1248.85 1249.42 1249.23 1249.81 1249.61 1250.11 1249.99 1250.51 1250.37 1250.94 1250.75 1251.25 1251.13 1251.70 1251.52 1252.22 1251.90 1252.53 1252.28 1252.99 1252.66 1253.31 1253.04 1253.27 1253.42 1254.07 1253.80 1254.43 1254.18 1254.56 1255.23 1254.94 1255.53 1255.32 1255.91 1255.70 1256.25 1256.08 1256.62 1256.46 1257.16 1256.84 1257.55 1257.23 1258.00 1257.61 1258.38 1257.99 1258.79 1258.37 1259.06 1258.75 1259.49 1259.13 1259.92 1259.51 1260.24 1259.88

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: IH 94 WESTBOUND	SHEET 492 E

STA 278WB+75.00 - STA 282WB+00.00 LT
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D
MGS GUARDRAIL REQ'D
MGS GUARDRAIL TERMINAL EAT REQ'D

STA 286WB+65 LT
EXTEND EXISTING CULVERT PIPE
1-CONCRETE COLLAR REQ'D
1-30" X 18' CPRC CLASS III REQ'D
1-30" AEW REQ'D

N

STA 279WB+00, 55.0' LT
SIGN BRIDGE CANTILEVERED
S-55-72 REQ'D.
SEE STRUCTURE PLANS

STA 292WB+96 RT
CONSTRUCT MAINTENANCE CROSSOVER
30' PAVED WIDTH MIN.

PC: 283+57.16EB
PI: 285+93.36EB
PI: 286+56.69WB
PT: 288+29.55EB

275WB S89° 39' 07"E 280WB 285WB 290WB 295WB 300WB
275EB 280EB 285EB 290EB 295EB 300EB
IH 94
60'
WETLAND
STA BACK = 286+58.42WB
STA AHEAD = 286+56.69WB

VPC STA 274+00.00WB
VPC EL 1261.79
VPI STA 279+00.00WB
VPI EL 1265.600
VPT STA 284+00.00WB
VPT EL 1264.60
EXISTING R/L GRADE
FINISHED R/L PROFILE
-0.20%
VCL = 1000.00
K = 1040.37

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: IH 94 WESTBOUND	SHEET 493	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\050201_PP_WB_IH94.DWG
LAYOUT NAME - SHEET - 05020 (4)
PLOT DATE : 9/20/2018 11:21 AM
PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44

SALVAGE EXISTING GUARDRAIL
STA 307WB+58 - STA 316WB+77, LT
STA 317WB+81 - STA 319WB+47, LT
STA 317WB+81 - STA 319WB+47, RT

STA 311WB+00 LT
EXTEND EXISTING CULVERT PIPE
1-CONCRETE COLLAR REQ'D
1-24" X 14' CPRC CLASS III REQ'D
1-24" AEW REQ'D

STA 308WB+25.78 - STA 316WB+52.64 LT
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D
MGS GUARDRAIL REQ'D
MGS THRIE BEAM TRANSITION REQ'D

STA 316WB+50 LT
EXTEND EXISTING CULVERT PIPE
1-CONCRETE COLLAR REQ'D
1-15" X 20' CPRC CLASS III REQ'D
1-15" AEW REQ'D

STA 313WB+98 LT
EXTEND EXISTING CULVERT PIPE
1-CONCRETE COLLAR REQ'D
1-36" X 6' CPRC CLASS III REQ'D
1-36" AEW REQ'D

STA 318WB+05.14 - STA 320WB+60.14 LT
MGS THRIE BEAM TRANSITION REQ'D
MGS GUARDRAIL REQ'D
MGS GUARDRAIL TERMINAL EAT REQ'D

STA 326WB+00 LT
EXTEND EXISTING CULVERT PIPE
1-CONCRETE COLLAR REQ'D
1-15" X 6' CPRC CLASS III REQ'D
1-15" AEW REQ'D

N

911
1231.070
BM 60D NAIL 6IN WOOD POST

908
1232.020
CP PIPE CAP

907
1231.730
CP PIPE CAP

912
1242.140
BM 60D NAIL 6IN WOOD POST

909
1241.290
CP PIPE CAP

910
1244.040
CP PIPE CAP

53rd AVE

WETLAND

PC: 307+95.90EB
PI: 309+86.15EB
PI: 311+74.60EB
STA BACK = 311+76.39EB
STA AHEAD = 311+74.60EB
100'

305WB 310WB 315WB 320WB 325WB 330WB
305EB 310EB 315EB 320EB 325EB 330EB
IH 94
S89° 25' 37"E

STA 318WB+05.14 - STA 319WB+35.14 RT
MGS THRIE BEAM TRANSITION REQ'D
MGS GUARDRAIL REQ'D
MGS GUARDRAIL TERMINAL EAT REQ'D

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
911	317+67.27	WB 94, 232' LT, NAIL IN 6" WOOD POST	1231.07
912	317+80.93	EB 94, 149' RT, NAIL IN 6" WOOD POST	1242.14

VCL = 200.00
K = 1000.66

VPC STA 304+00.00WB
VPC EL 1260.60

VPI STA 305+00.00WB
VPI EL 1260.40

VPT STA 306+00.00WB
VPT EL 1260.40

VPC STA 309+74.90WB
VPC EL 1260.40

VPI STA 315+99.90WB
VPI EL 1260.400

VPT STA 322+24.90WB
VPT EL 1246.43

0.00%

STA 317WB+29.89
REMOVE STRUCTURE B-55-23
3-SPAN CONCRETE HAUNCHED SLAB
104.3 FEET OVERALL LENGTH
42.8 FEET OVERALL WIDTH

STA 317WB+29.89
STRUCTURE B-55-247 REQUIRED
SINGLE-SPAN 45W" PRESTRESSED
CONCRETE GIRDERS
60 FOOT CLEAR ROADWAY
0 DEGREE SKEW TYP.

VCL = 1250.00
K = 559.38

FINISHED R/L PROFILE
EXISTING R/L GRADE
-2.23%

290.00 280.00 270.00 260.00 250.00 240.00 230.00 220.00

301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 331

261.10 261.00 260.90 260.80 260.70 260.60 260.51 260.45 260.41 260.40 260.40 260.40 260.40 260.40 260.40 260.40 260.40 260.40 260.39 260.35 260.26 260.13 259.95 259.72 259.46 259.14 258.78 258.38 257.94 257.44 256.91 256.33 255.70 255.03 254.31 253.55 252.75 251.90 251.01 250.07 249.09 248.06 246.98 245.87 244.76 243.64 242.52 241.40 240.29 239.17 238.05 236.93 235.82 234.70 233.58 232.47 231.35 230.23 229.11 228.00 226.88 225.76

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: IH 94 WESTBOUND	SHEET 494	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\050201_PP_WB_IH94.DWG
LAYOUT NAME - SHEET - 05020 (5)
PLOT DATE : 9/20/2018 11:22 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

PI STA = 354+81.32WB
Y = 191557.110
X = 100780.938
DELTA = 10°44'51"
D = 0°29'43"
T = 1088.44'
L = 2170.50'
R = 11571.16'
PC STA = 343+92.88WB
PT STA = 365+53.63WB

N

53rd AVE

315th ST

PC: 343+92.88EB

PC: 343+92.88WB

PI: 354+81.32WB

PI: 354+71.9EB

IH 94

335WB 340WB 345WB 350WB 355WB 360WB

335EB 340EB 345EB 350EB 355EB 360EB

100'

WETLAND

SEPV SEPV SEPTIC SIGN

5 5

FINISHED R/L PROFILE

EXISTING R/L GRADE

VCL = 1400.00

K = 619.91

VPC STA 338+40.00WB
VPC EL 1210.34

VPI STA 345+40.00WB
VPI EL 1194.70

VPT STA 352+40.00WB
VPT EL 1194.87

230.00 220.00 210.00 200.00 190.00 180.00 170.00 160.00

331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361

1223.92 1225.76 1224.64 1223.53 1222.41 1221.29 1220.17 1219.06 1217.94 1216.82 1215.71 1214.59 1213.47 1212.35 1211.24 1210.12 1209.03 1207.98 1206.97 1206.01 1205.08 1204.19 1203.34 1202.54 1201.77 1201.04 1200.36 1199.71 1199.11 1198.54 1198.02 1197.53 1197.09 1196.69 1196.32 1196.00 1195.72 1195.48 1195.27 1195.11 1194.99 1194.91 1194.87 1194.88 1194.89 1194.90 1194.92 1194.93 1194.94 1194.95 1194.96 1194.98 1194.99 1195.00 1195.01 1195.02 1195.04 1195.05 1195.06 1195.07 1195.08

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: IH 94 WESTBOUND	SHEET 495	E

STA 390WB+85.79 - STA 391WB+37.69 LT
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D
MGS GUARDRAIL REQ'D
MGS THRIE BEAM TRANSITION REQ'D

STA 390WB+75.21 - STA 391WB+27.11 RT
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D
MGS GUARDRAIL REQ'D
MGS THRIE BEAM TRANSITION REQ'D

N

53rd AVE

PT: 365+53.63EB

PT: 365+53.63WB

365WB 370WB 375WB 380WB 385WB 390WB

365EB 370EB 375EB 380EB 385EB 390EB

IH 94

100'

WETLAND

SIGN

S78° 40' 47"E

CP PIPE CAP
#95.620
90

RIPRAP

PT: 8+65.81

BP: 6+48.91

CP PIPE CAP
#90.660
90

SLAB

STA BACK = 365+44.62EB
STA AHEAD = 365+53.63EB

STA BACK = 365+63.37WB
STA AHEAD = 365+53.63WB

5

5

VCL = 800.00
K = 606.01

VPC STA 370+75.00WB
VPC EL 1195.30

VPI STA 374+75.00WB
VPI EL 1195.40

VPT STA 378+75.00WB
VPT EL 1200.78

VPC STA 387+45.00
VPC EL 1212.47

FINISHED R/L PROFILE

EXISTING R/L GRADE

0.02%

1.34%

VCL = 2200.00
K = 506.46

230.00 220.00 210.00 200.00 190.00 180.00 170.00 160.00

361 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391

| | | |

SALVAGE EXISTING GUARDRAIL
STA 392WB+62 - STA 395WB+03, RT
STA 392WB+69 - STA 394WB+10, LT

STA 392WB+97.22 - STA 395WB+52.22 LT
MGS THRIE BEAM TRANSITION REQ'D
MGS GUARDRAIL REQ'D
MGS GUARDRAIL TERMINAL EAT REQ'D

STA 404WB+05.25 LT/RT
REPLACE EXISTING CULVERT PIPE
1-24" X 116' CPRC CLASS III REQ'D
1-24" AEW REQ'D

STA 404WB+05.25, 45.3' RT
1-INLET MEDIAN 2 GRATE REQ'D
2-INLET COVERS TYPE MS REQ'D

PI STA = 409+32.85WB
Y = 190483.832
X = 106142.225
DELTA = 23°28'39"
D = 1°00'08"
T = 1188.09'
L = 2342.84'
R = 5717.58'
PC STA = 397+44.76WB
PT STA = 420+87.60WB

906 1200.130 BM 60D SPIKE WEST FACE 28IN ASPON
904 1195.690 CP PIPE CAP
903 CP PIPE CAP 1195.620
902 1191.320 CP PIPE CAP
901 CP PIPE CAP 1190.660
905 1190.520 BM 60D SPIKE WEST FACE 14IN ELM

PC: 397+44.76WB
PC: 398+44.50EB
PI: 409+32.85WB
PI: 410+37.58EB
PT: 420+87.60WB
PI: 7+59.28

395WB 400WB 405WB 410WB 415WB 420WB
395EB 400EB 405EB 410EB 415EB 420EB
100

STA 392WB+86.64 - STA 394WB+16.64 RT
MGS THRIE BEAM TRANSITION REQ'D
MGS GUARDRAIL REQ'D
MGS GUARDRAIL TERMINAL EAT REQ'D

STA 392EB+30/392WB+48 LT&RT
REPLACE EXISTING CULVERT PIPE
1-30" X 226' CPRC CLASS III REQ'D
2-30" AEW REQ'D
INLET END OF AEW AT STA 11+27 50th AVE, 36' RT
DISCH END OF AEW AT STA 8+89 50th AVE, 36' RT

STA BACK = 421+97.17EB
STA AHEAD = 422+28.48EB

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
905	391+78.83	EB 94, 225' RT, SPIKE W FACE 14" ELM	1190.52
906	392+88.39	WB 94, 289' LT, SPIKE W/F 28" ASPEN	1200.13

STA 392WB+11.11
REMOVE STRUCTURE B-55-20
3-SPAN CONCRETE HAUNCHED SLAB
104.3 FEET OVERALL LENGTH
42.8 FEET OVERALL WIDTH

STA 392WB+11.11
STRUCTURE B-55-245 REQUIRED
3-SPAN 36W" PRESTRESSED
CONCRETE GIRDERS
60 FOOT CLEAR ROADWAY
10 DEGREE SKEW TYP.

VPI STA 398+45.00WB
VPI EL 1227.290
VPT STA 409+45.00WB
VPT EL 1194.25
FINISHED R/L PROFILE
EXISTING R/L GRADE
VCL = 2200.00
K = 506.46
-3.00%

1220.00 1210.00 1200.00 1190.00 1180.00 1170.00 1160.00 1150.00

391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421

1212.22 1216.24 1195.53 1216.54 1205.28 1216.74 1212.97 1216.88 1213.17 1216.98 1215.32 1217.03 1213.60 1217.03 1213.71 1216.99 1213.66 1216.89 1213.60 1216.74 1213.48 1216.54 1213.26 1216.30 1212.97 1216.00 1212.70 1215.66 1212.30 1215.26 1212.01 1214.82 1211.67 1214.33 1211.20 1213.78 1210.63 1213.19 1210.09 1212.55 1209.53 1211.86 1208.80 1211.12 1208.12 1210.33 1207.33 1209.49 1206.69 1208.60 1206.06 1207.67 1205.28 1206.68 1204.38 1205.65 1203.46 1204.56 1202.67 1203.42 1201.43 1202.24 1200.23 1201.01 1199.01 1199.72 1197.78 1198.39 1196.54 1197.01 1195.19 1195.58 1193.90 1194.10 1192.44 1192.60 1191.13 1191.10 1189.68 1189.60 1188.20 1188.10 1186.70 1186.60 1185.38 1185.10 1184.03 1183.60 1182.41 1182.10 1181.17 1180.60 1179.66 1179.10 1178.33 1177.60 1176.65 1176.10 1174.95 1174.60 1173.37 1173.10 1171.77 1171.60 1170.39 1170.10 1168.69 1168.60 1167.33 1167.10 1165.76 1165.60 1164.23 1164.10 1162.50 1162.60 1161.27 1161.10 1159.67 1159.60 1158.45 1158.39

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: IH 94 WESTBOUND	SHEET 497	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\050201_PP_WB_IH94.DWG
LAYOUT NAME - SHEET - 05020 (8)
PLOT DATE : 9/20/2018 11:23 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:200 FT

STA 426WB+66.5 LT/RT
REPLACE EXISTING CULVERT PIPE
1-30" X 98' CPRC CLASS III REQ'D
1-30" AEW REQ'D

SALVAGE EXISTING GUARDRAIL
STA 429WB+74 - STA 434WB+17, LT
STA 439WB+38 - STA 445WB+69, LT

STA 429WB+00.00 - STA 436WB+03.10 LT
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D
MGS GUARDRAIL REQ'D
MGS GUARDRAIL TERMINAL EAT REQ'D

STA 439WB+50.00 - STA 449WB+78.10 LT
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D
MGS GUARDRAIL REQ'D
MGS GUARDRAIL TERMINAL EAT REQ'D

DUNN COUNTY
ST. CROIX COUNTY

STA 427WB+12 RT
CONSTRUCT MAINTENANCE CROSSOVER
30' PAVED WIDTH MIN.

STA 444WB+27 RT
CONSTRUCT MAINTENANCE CROSSOVER
30' PAVED WIDTH MIN.

PT: 420+87.60WB
PT: 422+28.48EB
50'
STA BACK = 421+97.17EB
STA AHEAD = 422+28.48EB

425WB 430WB 435WB S55° 12' 07"E 440WB 445WB 450WB
425EB 430EB 435EB 440EB 445EB 450EB
IH 94
SIGN
RIPRAP
INL

VCL = 1800.00
K = 299.99

EXISTING R/L GRADE
FINISHED R/L PROFILE

VPC STA 428+00.00WB
VPC EL 1138.60
VPI STA 437+00.00WB
VPI EL 1111.60
VPT STA 446+00.00WB
VPT EL 1138.60

160.00 150.00 140.00 130.00 120.00 110.00 100.00 090.00
1160.00 1150.00 1140.00 1130.00 1120.00 1110.00 1100.00 1090.00
421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 451

158.45 158.39 156.79 156.60 155.49 155.10 154.06 153.60 152.57 152.10 151.02 150.60 149.50 149.10 147.96 147.60 146.69 146.10 145.04 144.60 143.56 143.10 142.04 141.60 140.48 140.10 139.06 138.60 137.68 137.14 136.21 135.77 134.81 134.48 133.59 133.27 132.66 132.14 131.57 131.10 130.60 130.14 129.77 129.27 128.89 128.48 128.30 127.77 127.65 127.14 127.13 126.60 126.58 126.14 126.27 125.77 126.02 125.48 125.85 125.27 125.64 125.14 125.52 125.10 125.57 125.14 125.64 125.27 125.92 125.48 125.98 125.77 126.50 126.14 126.81 126.60 127.53 127.14 128.13 127.77 128.81 128.48 129.74 129.27 130.63 130.14 131.67 131.10 132.62 132.14 133.73 133.27 134.88 134.48 136.13 135.77 137.49 137.14 138.90 138.60 140.45 140.10 141.92 141.60 143.35 143.10 144.76 144.60 146.42 146.10 147.82 147.60 149.37 149.10 151.04 150.60 152.47 152.10 153.89 153.60 154.82

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: IH 94 WESTBOUND	SHEET 498 E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\050201_PP_WB_IH94.DWG
LAYOUT NAME - SHEET - 05020 (9)
PLOT DATE : 9/20/2018 11:24 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

SALVAGE EXISTING GUARDRAIL
STA 453WB+05 - STA 458WB+73, LT

STA 453WB+00.00 - STA 459WB+53.10 LT
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D
MGS GUARDRAIL REQ'D
MGS GUARDRAIL TERMINAL EAT REQ'D

PI STA = 466+66.78WB
Y = 187192.536
X = 110878.133
DELTA = 27°58'56"
D = 2°02'39"
T = 698.35'
L = 1368.83'
R = 2802.79'
PC STA = 459+68.43WB
PT STA = 473+47.47WB

STA 460WB+01.1 LT/RT
REPLACE EXISTING CULVERT PIPE
1-24" X 110' CPRC CLASS III REQ'D
1-24" AEW REQ'D

STA 460WB+01.10, 26.1' RT
1-INLET MEDIAN 2 GRATE REQ'D
2-INLET COVERS TYPE MS REQ'D

STA 467WB+95 LT/RT
REPLACE EXISTING CULVERT PIPE
1-18" X 86' CPRC CLASS III REQ'D
1-18" AEW REQ'D

STA 467WB+95.00, 28.7' RT
1-INLET MEDIAN 1 GRATE REQ'D
1-INLET COVER TYPE MS REQ'D

STA 481WB+91 LT
EXTEND EXISTING CULVERT PIPE
1-CONCRETE COLLAR REQ'D
1-36" X 14' CPRC CLASS III REQ'D
1-36" AEW REQ'D

N

BM 60D NAIL 18IN ELM
1207.4706
919

BM RR SPIK
12

455WB
455EB
460WB
460EB
465WB
465EB
470WB
470EB
475WB
475EB
480WB
480EB

PC: 459+77.98EB
PC: 459+68.43WB
PT: 473+47.47WB
PT: 473+78.05EB

50'

PI: 466+66.78WB
467+00.55EB

STA BACK = 473+37.26WB
STA AHEAD = 473+47.47WB
STA BACK = 473+94.23EB
STA AHEAD = 473+78.05EB

VPC STA 464+99.79WB
VPC EL 1195.60

EXISTING R/L GRADE
FINISHED R/L PROFILE

3.00%

VCL = 3080.00
K = 724.54

1250.00
1220.00
1210.00
1200.00
1190.00
1180.00
1170.00
1160.00
1150.00

451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 481

| | | |

STA 481WB+47.70 - STA 482WB+87.00 LT
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D
MGS GUARDRAIL REQ'D
MGS THRIE BEAM TRANSITION REQ'D

STA 484WB+78.18 - STA 486WB+08.18 LT
MGS THRIE BEAM TRANSITION REQ'D
MGS GUARDRAIL REQ'D
MGS GUARDRAIL TERMINAL EAT REQ'D

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
919	482+96.80	WB 94, 142' LT, NAIL IN 18" ELM	1207.47
921	483+04.02	EB 94, 103' RT, SPIKE FND	1202.05

PI STA = 510+00.99WB
Y = 186676.068
X = 115199.249
DELTA = 11°15'44"
D = 0°59'21"
T = 571.04'
L = 1138.40'
R = 5791.58'
PC STA = 504+29.95WB
PT STA = 515+61.30WB

SALVAGE EXISTING GUARDRAIL
STA 479WB+33 - STA 483WB+32, LT
STA 484WB+36 - STA 486WB+01, LT
STA 484WB+41 - STA 487WB+31, RT

STA 502WB+02 LT/RT
EXISTING 18" X 80' CMCP
CLEAN CULVERT PIPE

60D NAIL 18IN ELM
1207.470
919

918
1211.820
CP PIPE CAP

BM RR SPIKE FND
1202.050
921

917
1206.330
CP PIPE CAP

918
1205.930
CP PIPE CAP

PT: 9+40.24

S83° 11' 03"E

485WB 490WB 495WB 500WB 505WB 510WB
485EB 490EB 495EB 500EB 505EB 510EB

PC: 504+29.95WB
PI: 504+79.33EB
PI: 510+00.99WB
PI: 510+46.27EB

STA 484WB+84.50 - STA 488WB+27.00 RT
MGS THRIE BEAM TRANSITION REQ'D
MGS GUARDRAIL REQ'D
MGS GUARDRAIL TERMINAL EAT REQ'D

STA 483WB+87.65
REMOVE STRUCTURE B-17-19
3-SPAN CONCRETE HAUNCHED SLAB
104.3 FEET OVERALL LENGTH
42.8 FEET OVERALL WIDTH

STA 483WB+87.65
STRUCTURE B-17-215 REQUIRED
3-SPAN CONCRETE HAUNCHED SLAB
60 FOOT CLEAR ROADWAY
6.017 DEGREE SKEW TYP.

VPT STA 495+90.00WB
VPT EL 1222.54

FINISHED R/L PROFILE
EXISTING R/L GRADE
-1.25%

VCL = 3080.00
K = 724.54

481	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	511
1225.40	1226.24	1225.61	1226.59	1225.92	1226.91	1226.24	1227.19	1218.47	1227.44	1209.75	1227.65	1226.79	1227.83	1226.82	1227.97	1226.98	1228.08	1227.16	1228.16	1227.16	1228.20	1227.16	1228.20	1227.16	1228.17	1227.13	1228.11	1227.01	1228.01	1226.92	1227.88	1226.80	1227.72	1226.60	1227.51	1226.31	1227.28	1226.09	1227.01	1225.76	1226.70	1225.41	1226.37	1225.10	1225.99	1224.61	1225.58	1224.21	1225.14	1223.68	1224.66	1223.16	1224.15	1222.58	1223.61	1222.12	1223.03	1221.58	1222.41	1220.91	1221.79	1220.29	1221.16	1219.70	1220.54	1219.11	1219.91	1218.38	1219.28	1217.65	1218.66	1217.13	1218.03	1216.55	1217.41	1216.10	1216.78	1215.54	1216.16	1214.91	1215.53	1214.20	1214.91	1213.59	1214.28	1213.22	1213.66	1212.59	1213.03	1211.94	1212.41	1211.35	1211.78	1210.67	1211.15	1210.03	1210.53	1209.39	1209.90	1208.90	1209.28	1208.25	1208.65	1207.61	1208.03	1207.05	1207.40	1206.64	1206.78	1205.97	1206.15	1205.36	1205.53	1204.83	1204.90	1204.40	1204.27	1203.76	1203.65	1203.26	1203.02

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: IH 94 WESTBOUND	SHEET 500	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\050201_PP_WB_IH94.DWG
LAYOUT NAME - SHEET - 05020 (11)
PLOT DATE : 9/20/2018 11:24 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44

SALVAGE EXISTING GUARDRAIL
STA 527WB+80 - STA 534WB+87, LT

STA 516WB+57 RT
CONSTRUCT MAINTENANCE CROSSOVER
30' PAVED WIDTH MIN.

STA 528WB+25.00 - STA 535WB+53.10 LT
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D
MGS GUARDRAIL REQ'D
MGS GUARDRAIL TERMINAL EAT REQ'D

STA 519WB+55 LT
EXTEND EXISTING CULVERT PIPE
1-CONCRETE COLLAR REQ'D
1-36" X 6' CPRC CLASS III REQ'D
1-36" AEW REQ'D

STA 533WB+50 LT
EXTEND EXISTING CULVERT PIPE
1-CONCRETE COLLAR REQ'D
1-18" X 2' CPRC CLASS III REQ'D
1-18" AEW REQ'D

N

PT: 515+61.30WB
PT: 516+13.33EB
PC: 536+29.33WB
PC: 536+29.32EB

515WB
515EB
520WB
520EB
525WB
525EB
530WB
530EB
535WB
535EB
540WB
540EB

IH 94

S71° 55' 19"E

50'

SIGN

CTH Q

STA BACK = 515+68.35WB
STA AHEAD = 515+61.30WB
STA BACK = 516+09.56EB
STA AHEAD = 516+13.33EB

SEPV
SEPTIC
SEPV
SEPC
SEPV
SEPC

5

5

VCL = 1800.00
K = 877.69

EXISTING R/L GRADE

FINISHED R/L PROFILE

0.80%

VPC STA 515+07.05WB
VPC EL 1198.56

VPI STA 524+00.00WB
VPI EL 1187.30

VPT STA 533+00.00WB
VPT EL 1194.50

VPC STA 540+00.00WB
VPC EL 1200.10

VCL = 800.00
K = 1708.75

220.00 210.00 200.00 190.00 180.00 170.00 160.00 150.00

511 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541

1203.25 1203.02 1202.79 1202.40 1202.28 1201.78 1201.75 1201.15 1201.13 1200.66 1200.52 1199.90 1200.16 1199.27 1199.60 1198.65 1199.02 1197.81 1197.36 1197.93 1196.81 1197.43 1196.28 1196.81 1195.79 1196.13 1195.32 1195.57 1194.88 1194.88 1194.47 1194.42 1194.08 1193.84 1193.73 1193.36 1193.40 1192.91 1193.10 1192.51 1192.83 1192.18 1192.59 1192.05 1192.38 1191.74 1192.20 1191.54 1192.04 1191.51 1191.91 1191.37 1191.82 1191.32 1191.75 1191.22 1191.70 1191.23 1191.69 1191.43 1191.71 1191.67 1191.75 1191.84 1191.82 1192.04 1191.92 1192.20 1192.05 1192.42 1192.21 1192.69 1192.40 1192.94 1192.61 1193.11 1192.86 1193.42 1193.13 1193.61 1193.43 1193.91 1193.76 1194.16 1194.11 1194.62 1194.50 1194.99 1194.90 1195.26 1195.30 1195.54 1195.70 1195.79 1196.10 1196.16 1196.50 1196.60 1196.90 1197.23 1197.30 1197.82 1197.70 1198.32 1198.10 1198.74 1198.50 1199.13 1198.90 1199.58 1199.30 1200.07 1199.70 1200.45 1200.10 1200.81 1200.49 1201.15 1200.87 1201.52 1201.19

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: IH 94 WESTBOUND	SHEET 501	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\050201_PP_WB_IH94.DWG
LAYOUT NAME - SHEET - 05020(12)
PLOT DATE : 9/20/2018 11:25 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44

PI STA = 544+92.65WB
Y = 185589.240
X = 118528.746
DELTA = 17°19'20"
D = 1°00'39"
T = 863.32'
L = 1713.48'
R = 5667.58'
PC STA = 536+29.33WB
PT STA = 553+50.37WB

STA 552WB+94 LT
EXTEND EXISTING CULVERT PIPE
1-CONCRETE COLLAR REQ'D
1-30" X 6' CPRC CLASS III REQ'D
1-30" AEW REQ'D

SALVAGE EXISTING GUARDRAIL
STA 551WB+91 - STA 555WB+16, LT
STA 560WB+59 - STA 572WB+41, LT

STA 564WB+92 RT
CONSTRUCT MAINTENANCE CROSSOVER
30' PAVED WIDTH MIN.

STA 561WB+00.00 - STA 573WB+03.10 LT
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D
MGS GUARDRAIL REQ'D
MGS GUARDRAIL TERMINAL EAT REQ'D

STA 551WB+75.00 - STA 557WB+28.10 LT
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D
MGS GUARDRAIL REQ'D
MGS GUARDRAIL TERMINAL EAT REQ'D

STA 560WB+73.4 LT/RT
REPLACE EXISTING CULVERT PIPE
1-24" X 94' CPRC CLASS III REQ'D
1-24" AEW REQ'D

STA 571WB+35 LT/RT
REPLACE EXISTING CULVERT PIPE
1-24" X 90' CPRC CLASS III REQ'D
1-24" AEW REQ'D

STA 552WB+07 LT
EXTEND EXISTING CULVERT PIPE
1-CONCRETE COLLAR REQ'D
1-18" CPRC AEW REQ'D

STA 560WB+73.40, 27.0' RT
1-INLET MEDIAN 2 GRATE REQ'D
2-INLET COVERS TYPE MS REQ'D

STA 571WB+35.00, 27.0' RT
1-INLET MEDIAN 2 GRATE REQ'D
2-INLET COVERS TYPE MS REQ'D

N

PT: 553+50.37WB
PT: 553+50.37EB

545WB
545EB
550WB
550EB
555WB
555EB
560WB
560EB
565WB
565EB
570WB
570EB
S89° 14' 39"E
BM 6

PI: 544+92.65WB
PI: 545+00.26EB

STA BACK = 553+42.80WB
STA AHEAD = 553+50.37WB
STA BACK = 553+57.92EB
STA AHEAD = 553+50.37EB

VPI STA 544+00.00WB
VPI EL 1203.300
VPT STA 548+00.00WB
VPT EL 1204.63
VPC STA 564+50.00WB
VPC EL 1210.08
VPI STA 571+50.00WB
VPI EL 1212.400

FINISHED R/L PROFILE
0.33%
EXISTING R/L GRADE

VCL = 800.00
K = 1708.75

VCL = 1400.00
K = 420.66

541	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	571
1201.52	1201.19	1201.80	1201.58	1201.39	1201.88	1202.29	1202.24	1202.75	1202.54	1202.96	1202.83	1203.19	1203.11	1203.42	1203.37	1203.67	1203.61	1203.81	1203.85	1204.07	1204.06	1204.38	1204.27	1204.71	1204.45	1204.83	1204.63	1205.17	1204.79	1205.29	1204.96	1205.47	1205.13	1205.66	1205.29	1205.91	1205.46	1205.93	1205.62	1206.00	1205.79	1205.95	1205.95	1205.96	1206.12	1206.09	1206.29	1206.43	1205.84	1206.59	1206.76	1205.96	1206.92	1206.17	1207.09	1206.26	1206.36	1207.42	1206.54	1207.59	1206.90	1207.75	1207.15	1207.92	1207.42	1208.09	1207.61	1208.25	1207.93	1208.42	1208.25	1208.58	1208.33	1208.75	1208.55	1208.92	1208.80	1209.08	1209.10	1209.25	1209.33	1209.41	1209.49	1209.58	1209.74	1209.75	1210.03	1209.91	1210.32	1210.08	1210.54	1210.21	1210.80	1210.29	1210.79	1210.31	1210.75	1210.27	1210.71	1210.16	1210.62	1210.00	1210.49	1209.78	1210.23	1209.50	1209.74	1209.16	1209.34	1208.76	1208.84	1208.31	1208.37	1207.79	1207.73	1207.21	1207.22	1206.58

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: IH 94 WESTBOUND	SHEET 502	E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\050201_PP_WB_IH94.DWG
LAYOUT NAME - SHEET - 05020 (13)
PLOT DATE : 9/20/2018 11:25 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

STA 575WB+55.49 - STA 577WB+24.62 RT
(2) STEEL THRIE BEAM BULLNOSE TERMINALS REQ'D
STEEL THRIE BEAM REQ'D

STA 576WB+10 - STA 576WB+70, 33.7' LT
CONCRETE BARRIER TYPE S42 REQ'D

SALVAGE EXISTING GUARDRAIL
STA 575WB+77 - STA 579WB+59, LT
STA 582WB+84 - STA 585WB+56, LT

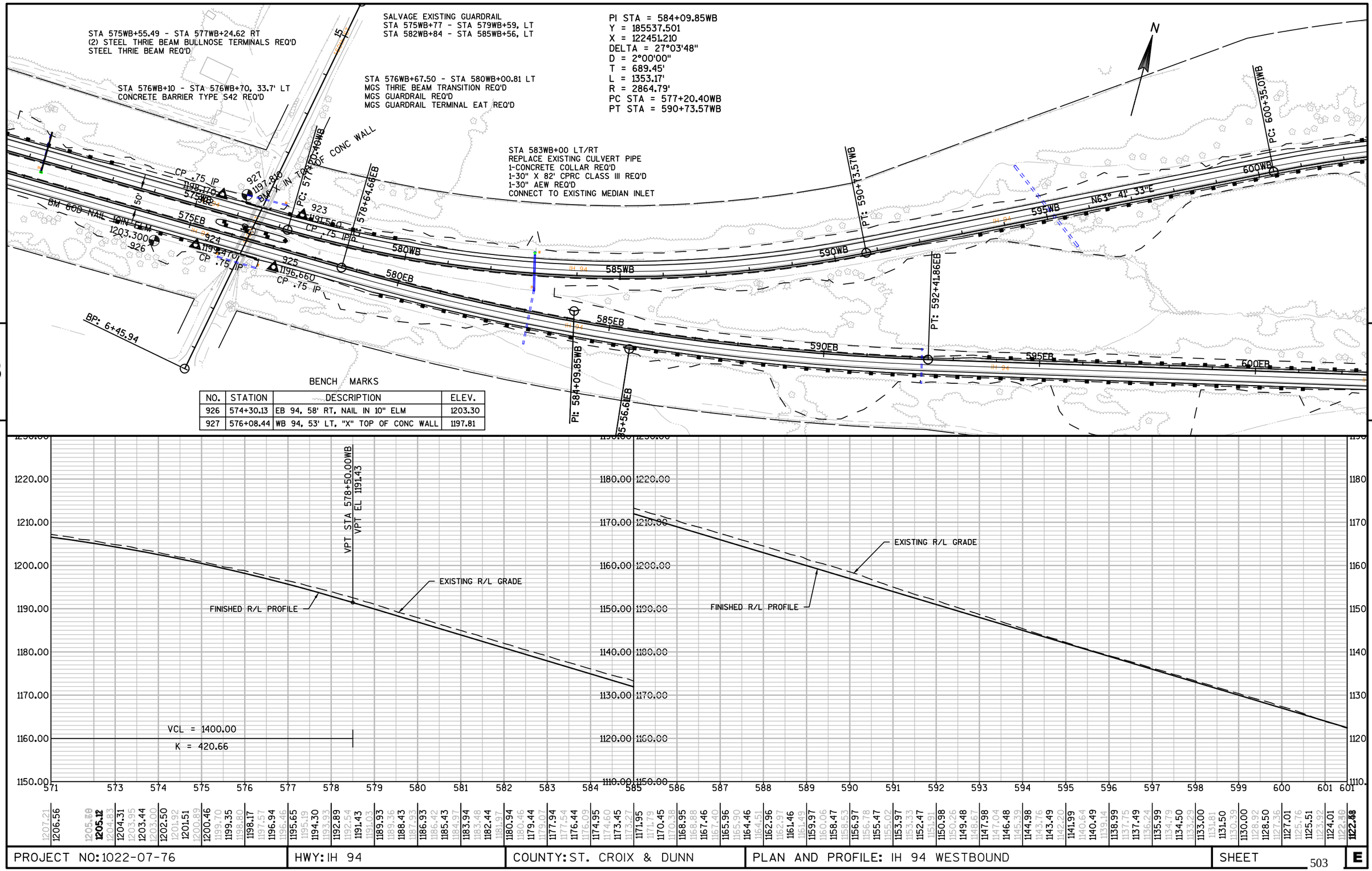
STA 576WB+67.50 - STA 580WB+00.81 LT
MGS THRIE BEAM TRANSITION REQ'D
MGS GUARDRAIL REQ'D
MGS GUARDRAIL TERMINAL EAT REQ'D

PI STA = 584+09.85WB
Y = 185537.501
X = 122451.210
DELTA = 27°03'48"
D = 2°00'00"
T = 689.45'
L = 1353.17'
R = 2864.79'
PC STA = 577+20.40WB
PT STA = 590+73.57WB

STA 583WB+00 LT/RT
REPLACE EXISTING CULVERT PIPE
1-CONCRETE COLLAR REQ'D
1-30" X 82' CPRC CLASS III REQ'D
1-30" AEW REQ'D
CONNECT TO EXISTING MEDIAN INLET

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
926	574+30.13	EB 94, 58' RT, NAIL IN 10" ELM	1203.30
927	576+08.44	WB 94, 53' LT, "X" TOP OF CONC WALL	1197.81



PI STA = 612+17.56WB
Y = 186793.257
X = 124991.188
DELTA = 45°04'23"
D = 2°00'38"
T = 1182.55'
L = 2241.85'
R = 2849.79'
PC STA = 600+35.01WB
PT STA = 622+76.87WB

PI: 612+17.56WB

STA 602WB+00.00 - STA 621WB+52.37 LT
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D
MGS GUARDRAIL REQ'D
MGS GUARDRAIL TERMINAL EAT REQ'D

SALVAGE EXISTING GUARDRAIL
STA 592WB+90 - STA 624WB+33, RT
STA 593WB+60 - STA 598WB+02, LT
STA 602WB+22 - STA 623WB+12, LT

N

STA 620WB+63 LT
EXTEND EXISTING CULVERT PIPE
1-CONCRETE COLLAR REQ'D
1-30" X 5' CPRC CLASS III REQ'D
1-30" AEW REQ'D

PT: 622+76.87WB

STA 592WB+99.96 - STA 625WB+03.14 RT
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D
MGS GUARDRAIL REQ'D
MGS GUARDRAIL TERMINAL EAT REQ'D

STA 611WB+79 RT
EXTEND EXISTING CULVERT PIPE
1-CONCRETE COLLAR REQ'D
1-36" CPRC AEW REQ'D

STA 616WB+05 RT
EXTEND EXISTING CULVERT PIPE
1-CONCRETE COLLAR REQ'D
1-36" CPRC AEW REQ'D

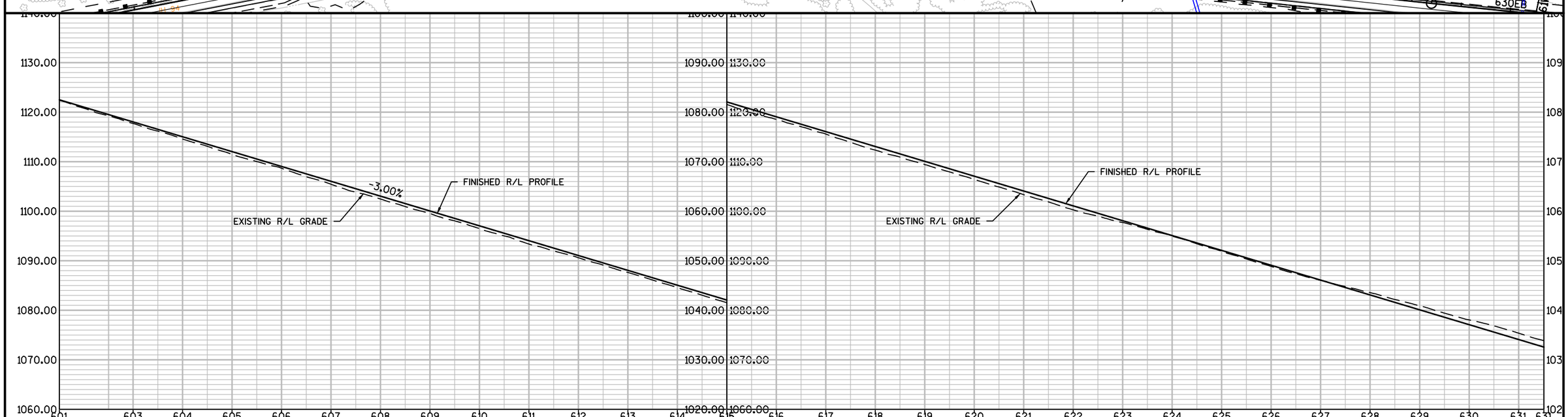
STA 620WB+63 RT
EXTEND EXISTING CULVERT PIPE
1-CONCRETE COLLAR REQ'D
1-30" X 10' CPRC CLASS III REQ'D
1-30" AEW REQ'D

STA 604WB+26 RT
EXTEND EXISTING CULVERT PIPE
1-CONCRETE COLLAR REQ'D
1-30" CPRC AEW REQ'D

PC: 606+14.42EB
PI: 611+88.56EB
PT: 617+54.22EB
PC: 628+55.27WB
PC: 628+40.99EB

S71° 14' 04"E

605WB 610WB 615WB 620WB 625WB 630WB
605EB 610EB 615EB 620EB 625EB 630EB



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: IH 94 WESTBOUND	SHEET 504 E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\050201_PP_WB_IH94.DWG
LAYOUT NAME - SHEET - 05020 (15)
PLOT DATE : 9/20/2018 11:26 AM PLOT BY : ANDERSON, THOMAS R PLOT NAME :
PLOT SCALE : 1 IN:200 FT

STA 632WB+30 RT
EXTEND EXISTING CULVERT PIPE
1-CONCRETE COLLAR REQ'D
1-30" X 4' CPRC CLASS III REQ'D
1-30" AEW REQ'D

PI STA = 632+79.61WB
Y = 186090.260
X = 127060.318
DELTA = 16°45'52"
D = 1°59'22"
T = 424.34'
L = 842.62'
R = 2879.79'
PC STA = 628+55.27WB
PT STA = 637+06.79WB

SALVAGE EXISTING GUARDRAIL
STA 630WB+88 - STA 645WB+52, RT
STA 638WB+27 - STA 644WB+34, LT

STA 638WB+50.00 - STA 644WB+53.10 LT
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D
MGS GUARDRAIL REQ'D
MGS GUARDRAIL TERMINAL EAT REQ'D

N

PT: 637+06.79WB
PT: 638+52.10EB
PC: 660+07.15WB
PC: 656+32.26EB
635WB
640WB
645WB
S87° 59' 57"E
650WB
655WB
660WB
630EB
640EB
645EB
650EB
655EB
660EB
147'
IH 94
PI: 632+79.61WB
PI: 632+41.04EB
STA BACK = 637+87.88WB
STA AHEAD = 637+06.79WB
STA BACK = 636+41.90EB
STA AHEAD = 638+52.10EB
SIGN

STA 632WB+00.00 - STA 695WB+16.12 RT
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D
MGS GUARDRAIL REQ'D

5

5

EXISTING R/L GRADE
FINISHED R/L PROFILE
VCL = 2000.00
K = 871.84
VPC STA 637+70.00WB
VPC EL 1014.31
VPI STA 647+70.00WB
VPI EL 984.35
VPT STA 657+70.00WB
VPT EL 977.33

1040.00 1030.00 1020.00 1010.00 1000.00 990.00 980.00 970.00 960.00

631 633 634 635 636 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661

| | | |

SALVAGE EXISTING GUARDRAIL
STA 664WB+76 - STA 671WB+56, LT

STA 664WB+50.06 - STA 672WB+03.32 LT
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D
MGS GUARDRAIL REQ'D
MGS GUARDRAIL TERMINAL EAT REQ'D

PI STA = 669+48.68WB
Y = 185962.253
X = 130724.316
DELTA = 9°23'39"
D = 0°30'00"
T = 941.54'
L = 1878.85'
R = 11459.16'
PC STA = 660+07.15WB
PT STA = 678+93.38WB

N

END CONSTRUCTION
STA. 685WB+00

STA 712WB+00 RT
CONSTRUCT MAINTENANCE CROSSOVER
30' PAVED WIDTH MIN.

665WB
670WB
675WB
680WB
685WB
690WB
665EB
670EB
675EB
680EB
685EB
690EB

PI: 666+72.82EB
PI: 669+48.68WB
PI: 676+96.24EB
PT: 678+93.38WB
STA BACK = 676+09.15EB
STA AHEAD = 675+96.24EB
STA BACK = 678+96.00WB
STA AHEAD = 678+93.38WB

100'

STA 702WB+54.21 - STA 705WB+90.79 RT
MGS GUARDRAIL REQ'D
MGS GUARDRAIL TERMINAL EAT REQ'D

RUSH CR

5

5

-0.70%
-0.50%
EXISTING R/L GRADE
FINISHED R/L PROFILE

VCL = 300.00
K = 1488.94

VPC STA 682+00.00WB
VPC EL 960.31

VPI STA 683+50.00WB
VPI EL 959.26

VPT STA 685+00.00WB
VPT EL 958.51

VPC STA 689+00.00WB
VPC EL 956.51

VCL = 1400.00
K = 760.51

990.00 980.00 970.00 960.00 950.00 940.00 930.00 920.00

661 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691

| | | |

PI STA = 272+97.45'C'
Y = 191669.647
X = 92591.821
DELTA = 17°54'17"
D = 3°34'52"
T = 252.05'
L = 499.99'
R = 1600.00'
PC STA = 270+45.40'C'
PT STA = 275+45.39'C'

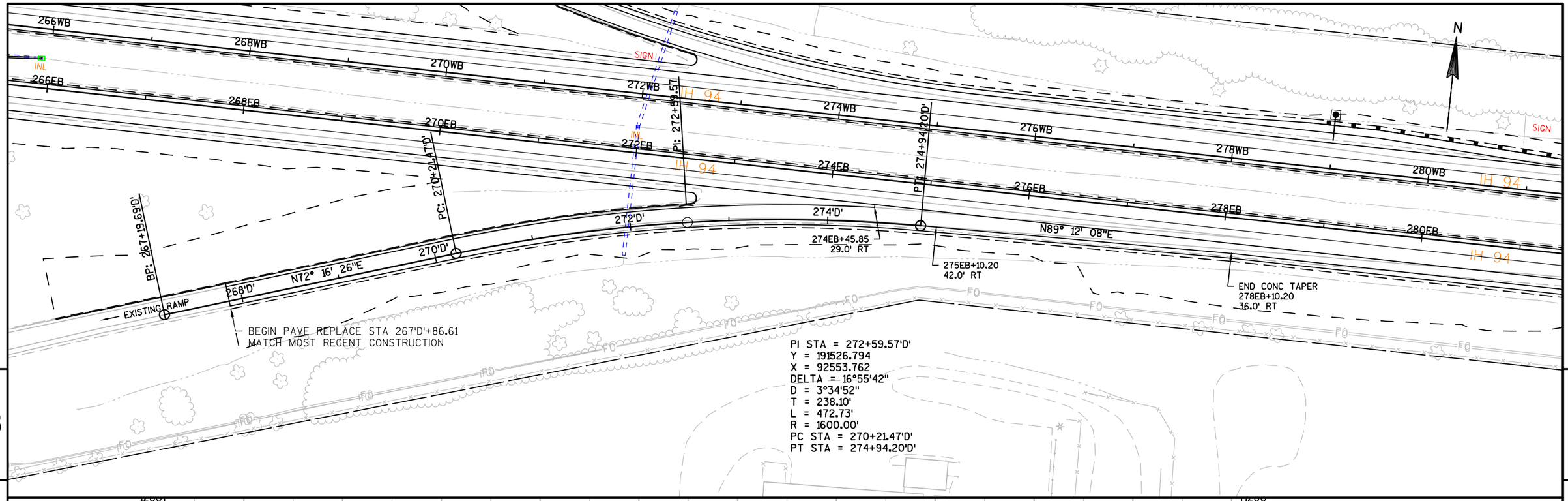
BP: 267+43.73'C'
268'C'
S71° 44' 50"E
270'C'
EXISTING RAMP
PC: 270+45.40'C'
272'C'
273WB+95.19
28.0' LT
274'C'
PT: 275+45.39'C'
S89° 39' 07"E
BEGIN CONC TAPER
279WB+45.39
36.0' LT
END CONC TAPER
281WB+12.06
28.0' LT
SIGN
281WB+53.73
28.0' LT
BEGIN PAVE REPLACE STA 270'C+21.41
MATCH MOST RECENT CONSTRUCTION
SIGN
IH 94
IH 94
IH 94
IH 94
INL
INL
FO
FO
FO
FO
FO
266WB
268WB
270WB
272WB
274WB
276WB
278WB
280WB
266EB
268EB
270EB
272EB
274EB
276EB
278EB
280EB
PI: 272+97.45
N
5
5

1280
1270
1260
1250
1245
267
268
269
270
271
272
273
274
275
276
277
278
279
279

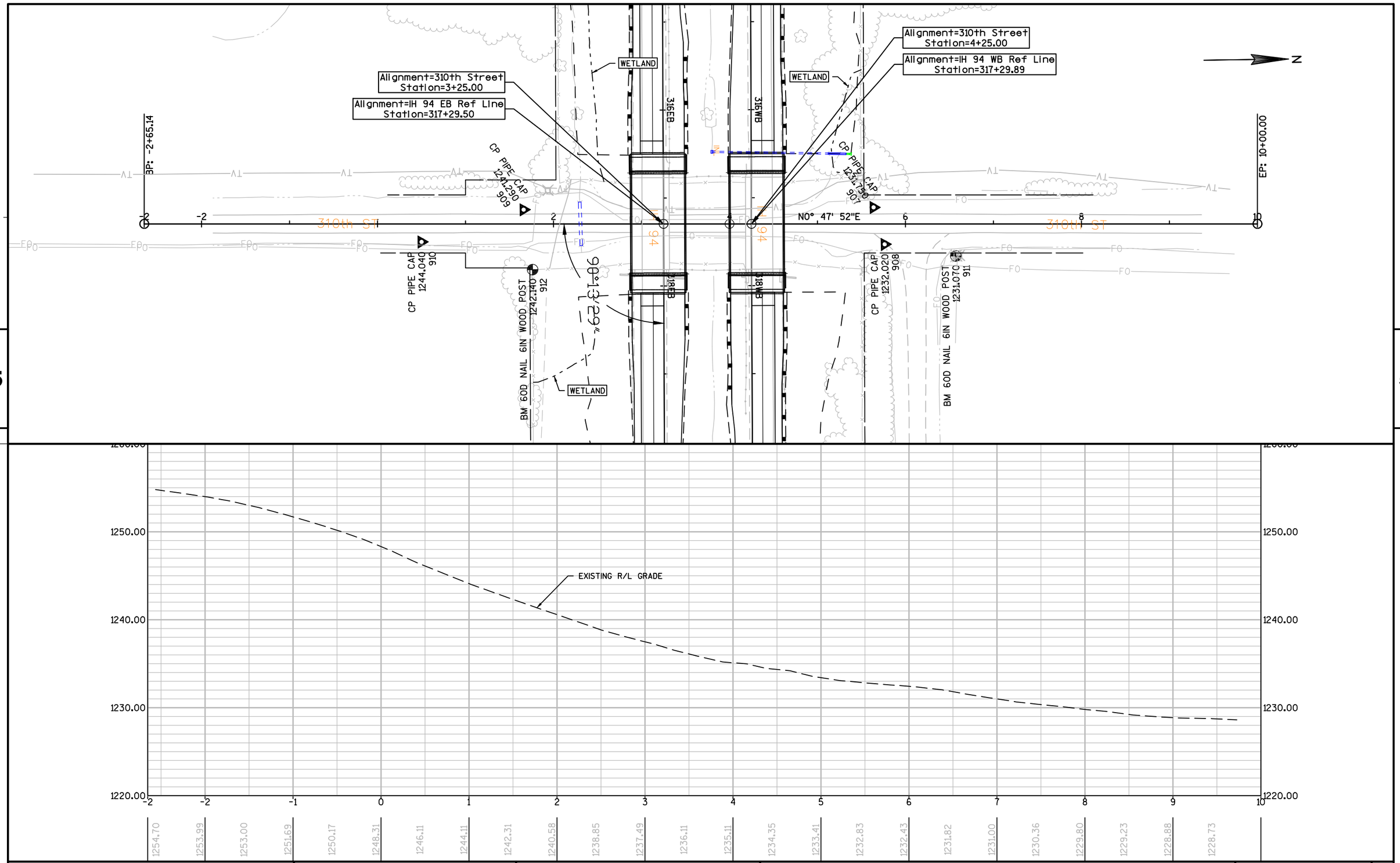
STA 270+06.41
EL 1261.91
VCL = 380.00
K = 115.03
STA 273+99.79
EL 1260.91
STA 274+49.94
EL 1261.60
STA 274+99.99
EL 1262.15
STA 275+50.00
EL 1262.59
STA 276+00.00
EL 1262.88
STA 276+50.00
EL 1263.16
STA 277+00.00
EL 1263.40
STA 277+50.00
EL 1263.63
STA 278+00.00
EL 1263.83
EXISTING R/L GRADE
-1.93%
FINISHED R/L PROFILE
1.37%
1.38%
1.10%
0.88%
0.58%
0.56%
0.48%
0.46%
0.40%
VPC STA 270+10.00
VPC EL 1261.84
VPI STA 272+00.00
VPI EL 1258.17
VPT STA 273+90.00
VPT EL 1260.78

1268.69 1267.93
1267.13
1265.79
1264.41
1263.08
1262.03
1261.10 1261.14
1260.45 1260.45
1260.08 1259.99
1259.64 1259.74
1259.58 1259.71
1259.80 1259.89
1260.13 1260.30
1260.58 1260.91
1261.32 1261.60
1262.07 1262.15
1262.62 1262.59
1263.09 1262.88
1263.42 1263.16
1263.51 1263.40
1263.50 1263.63
1263.37 1263.83
1263.17
1262.90
1263.04

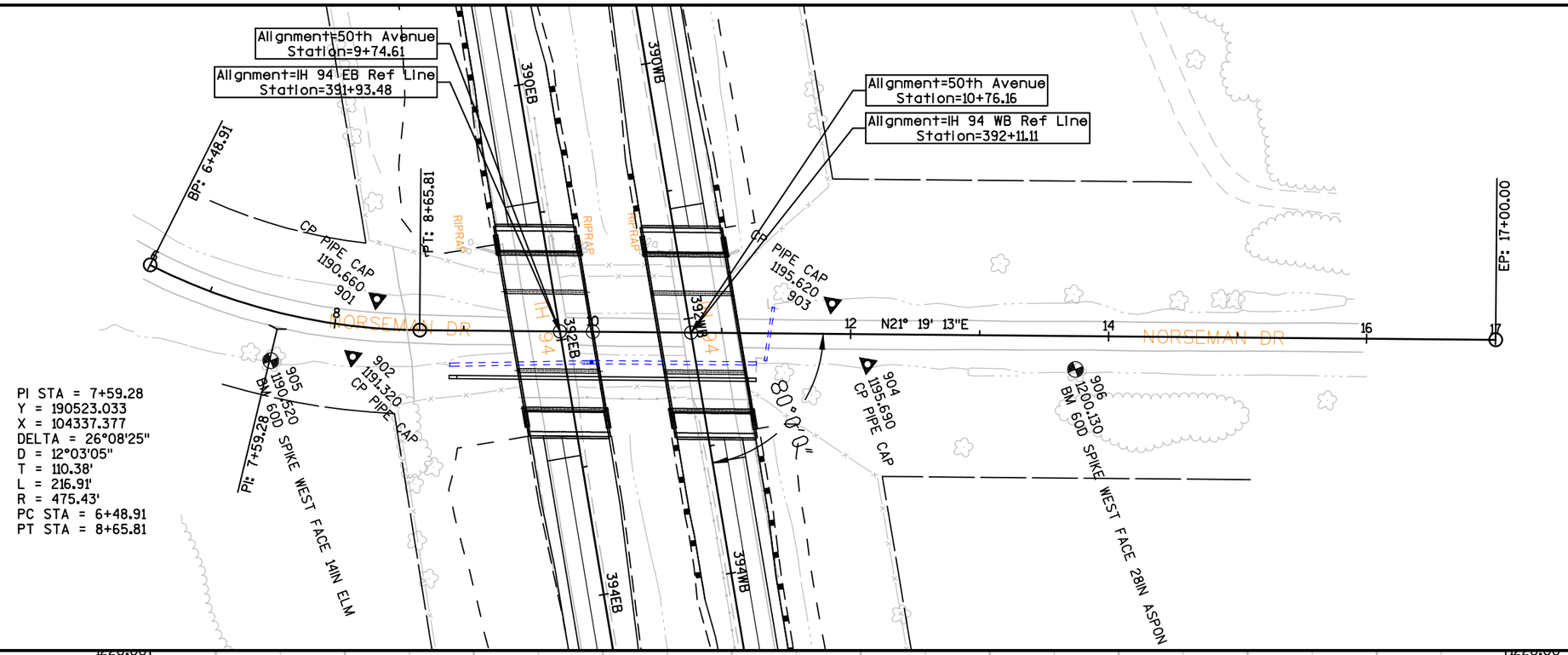
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: STH 128 INTERCHANGE RAMP 'C' (NE)	SHEET 507 E



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: STH 128 INTERCHANGE RAMP 'D' (SE)	SHEET 508	E

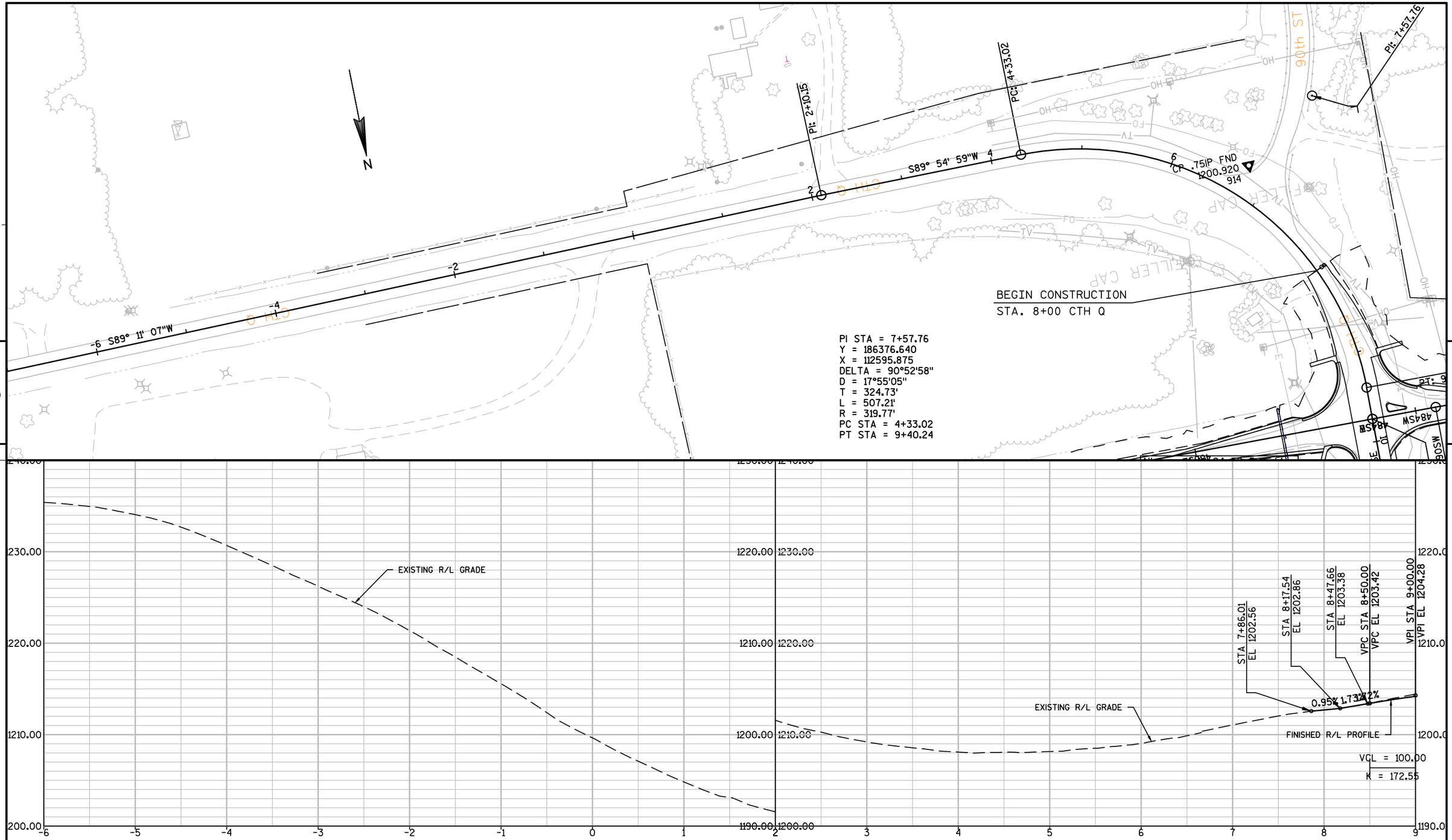


PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: 310TH STREET	SHEET 509	E



PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: 50TH AVENUE	SHEET 510 E

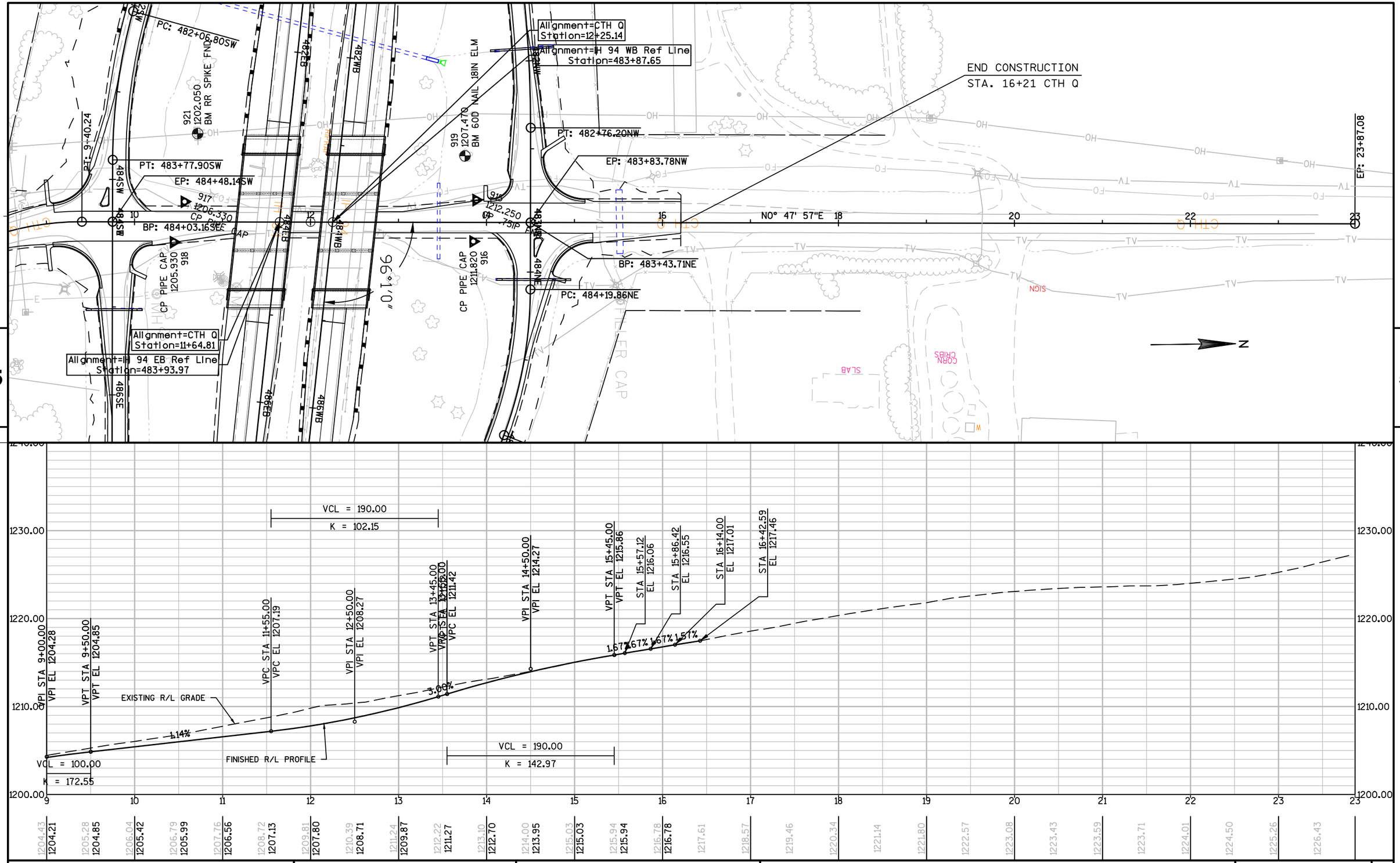
FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\050401_PP_50TH_AVENUE.DWG PLOT DATE : 9/19/2018 5:43 PM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1:100_XREF
WISDOT/CADDS SHEET 44



PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: CTH Q	SHEET 511 E

FILE NAME : N:\PDS\C3D\10220706\SHEETSPLAN\PLAN SHEETS 10220776\050451_PP_CTH_Q.DWG PLOT DATE : 9/19/2018 5:45 PM PLOT BY : ANDERSON, THOMAS R PLOT NAME : PLOT SCALE : 1" = 100'_XREF

WISDOT/CADDS SHEET 44



PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: CTH Q	SHEET 512	E

PI STA = 475+87.51'NW'
Y = 187122.873
X = 111814.879
DELTA = 16°06'50"
D = 3°22'44"
T = 240.04'
L = 476.91'
R = 1695.76'
PC STA = 473+47.47'NW'
PT STA = 478+24.38'NW'

PI STA = 481+50.31'NW'
Y = 187214.317
X = 112373.414
DELTA = 10°05'50"
D = 4°00'00"
T = 126.54'
L = 252.43'
R = 1432.39'
PC STA = 480+23.77'NW'
PT STA = 482+76.20'NW'

STA 481'NW'+86 LT/RT
REPLACE EXISTING CULVERT PIPE
1-24" X 60' CPRC CLASS III REQ'D
2-24" AEW REQ'D

N

BEGIN CONC TAPER
470WB+00.00
36.0' LT

PCC: 473+47.47'NW'
473WB+47.47
42.0' LT
PT: 473+47.47WB
474WB+30.17
29.0' LT
PT: 473+78.05EB
PI: 476+87.51'NW'
PT: 478+24.38'NW'
PC: 480+23.77'NW'
PI: 481+50.31'NW'
PT: 482+76.20'NW'
EP: 483+83.78'NW'

N80° 42' 07"E
S89° 12' 03"E

BM 60D NAIL 18IN ELM
1207.470
919

916
1211.820
CP PIPE

122.250
73LP

470WB 472WB 474WB 476WB 478WB 480WB 482WB 484WB
470EB 472EB 474EB 476EB 478EB 480EB 482EB 484EB
IH 94

STA BACK = 473+37.26WB
STA AHEAD = 473+47.47WB
BACK = 473+94.29EB
AHEAD = 473+78.05EB

SIGN
RIPRAP
CONVEYOR
FEEDER

VCL = 310.00
K = 84.16
VCL = 260.00
K = 76.51

STA	EL
470+14.84	1206.90
470+64.20	1207.99
471+13.54	1209.04
471+62.87	1210.06
472+12.18	1211.05
472+61.47	1212.00
473+10.75	1213.18
473+50.00	1214.11
VPC STA 474+45.00	VPC EL 1216.28
VPI STA 476+00.00	VPI EL 1219.83
VPT STA 477+55.00	VPT EL 1217.67
VPC STA 481+05.00	VPC EL 1212.78
VPI STA 482+35.00	VPI EL 1210.97
VPT STA 483+65.00	VPT EL 1213.57
STA 483+83.78	EL 1213.95

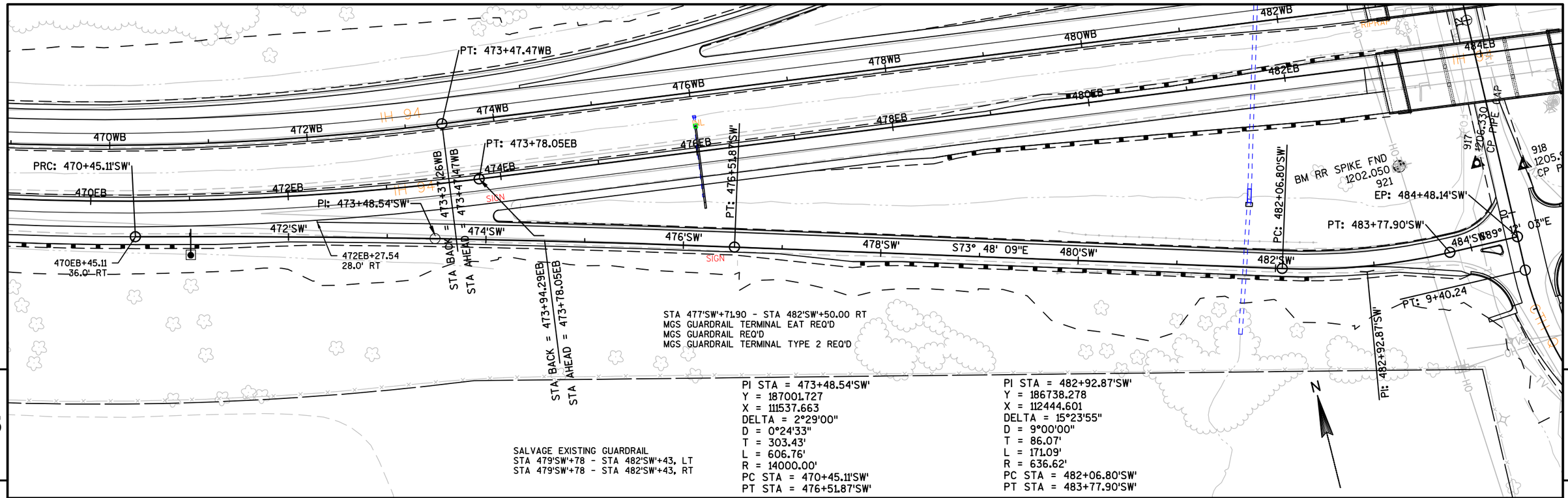
2.21% 2.13% 2.07% 2.01% 1.93% 2.39% 2.37% 2.29% -1.40% 2.00%

EXISTING R/L GRADE
FINISHED R/L PROFILE

1240 1230 1220 1210 1200

469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484

| | | |



PROJECT NO:1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: CTH Q INTERCHANGE 'SW' RAMP	SHEET 514	E

STA 484'NE'+08.6 LT/RT
REPLACE EXISTING CULVERT PIPE
1-24" X 72' CPRC CLASS III REQ'D
2-24" AEW REQ'D

PI STA = 485+05.39'NE'
Y = 187208.797
X = 112769.182
DELTA = 20°18'44"
D = 12°00'00"
T = 85.53'
L = 169.27'
R = 477.46'
PC STA = 484+19.86'NE'
PT STA = 485+89.13'NE'

PI STA = 491+33.22'NE'
Y = 186982.020
X = 113356.547
DELTA = 9°43'44"
D = 3°34'52"
T = 136.17'
L = 271.68'
R = 1600.00'
PC STA = 489+97.05'NE'
PT STA = 492+68.73'NE'

N

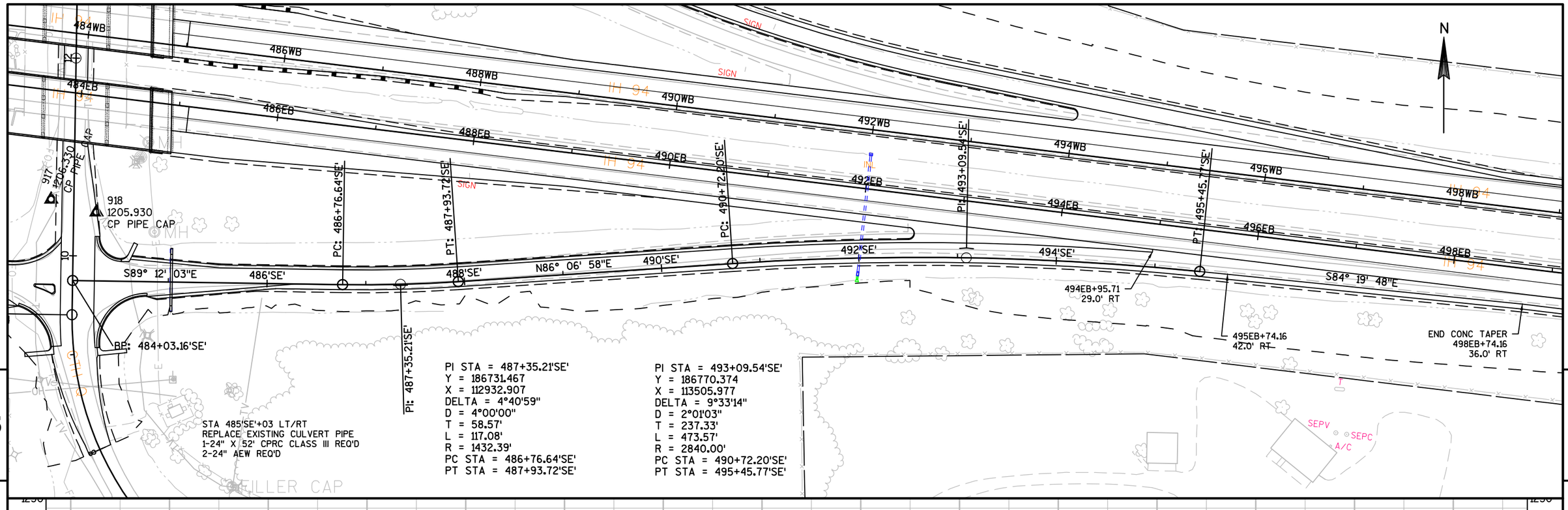
PC: 484+19.86'NE'
PI: 485+05.39'NE'
PT: 485+89.13'NE'
PC: 489+97.05'NE'
PT: 492+68.73'NE'
EP: ~~499+00.00'NE'~~
499WB+00.00
24.0' LT
496WB+61.52
28.0' LT
END CONC TAPER
498WB+50.00
28.0' LT
BP: 483+43.71'NE'
916
1211.820
CP PIPE CAP
S89° 15' 03"W 212.250
S68° 53' 20"E
S78° 37' 03"E
484'NE'
486'NE'
488'NE'
490'NE'
492'NE'
494'NE'
496'NE'
498'NE'
SIGN
IH 94
484WB
486WB
488WB
490WB
492WB
494WB
496WB
498WB
484EB
486EB
488EB
490EB
492EB
494EB
496EB
498EB

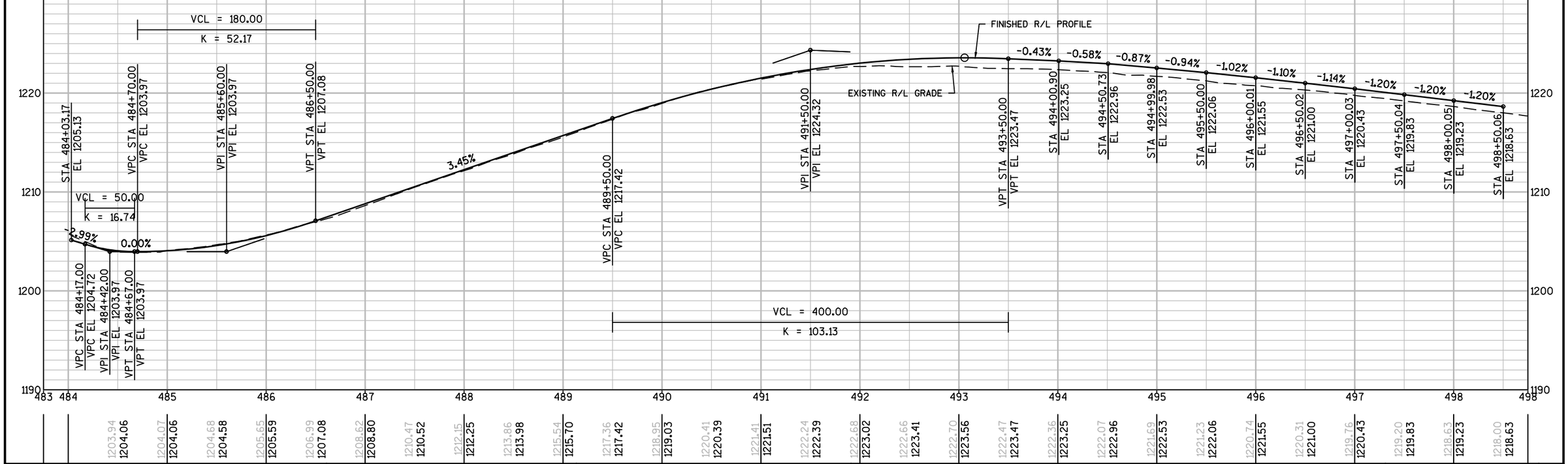
VCL = 180.00
K = 44.51
STA 483+43.71
EL 1213.95
VPC STA 483+60.00
VPC EL 1213.62
VPI STA 484+50.00
VPI EL 1211.82
VPT STA 485+40.00
VPT EL 1213.66
VPC STA 487+25.00
VPC EL 1217.43
VPI STA 491+75.00
VPI EL 1226.61
VPT STA 496+25.00
VPT EL 1221.67
STA 496+50.40
EL 1221.39
STA 496+99.36
EL 1220.84
STA 497+49.52
EL 1220.30
STA 497+99.68
EL 1219.75
STA 498+49.84
EL 1219.20
FINISHED R/L PROFILE
EXISTING R/L GRADE
-2.00%
2.04%
-1.10%
-1.12%
-1.08%
-1.10%
-1.10%
VCL = 900.00
K = 286.80

1230
1220
1210
1200
483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499

1214.04 1213.82	1213.33 1213.00	1213.21 1212.73	1213.41 1213.02	1214.38 1213.86
1215.56 1214.88	1216.67 1215.90	1217.56 1216.92	1218.43 1217.93	1219.05 1218.86
1218.74 1219.71	1218.85 1220.47	1218.98 1221.14	1219.21 1221.72	1219.34 1222.22
1219.60 1222.63	1219.68 1222.95	1219.96 1223.19	1220.08 1223.33	1219.91 1223.40
1219.79 1223.37	1219.22 1223.26	1219.04 1223.06	1218.89 1222.77	1218.99 1222.39
1219.36 1221.93	1219.85 1221.39	1219.98 1220.83	1219.43 1220.29	1218.92 1219.75	1218.26 1219.20

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: CTH Q INTERCHANGE 'NE' RAMP	SHEET 515 E





PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX & DUNN	PLAN AND PROFILE: CTH Q INTERCHANGE 'SE' RAMP	SHEET 516	E

Standard Detail Drawing List

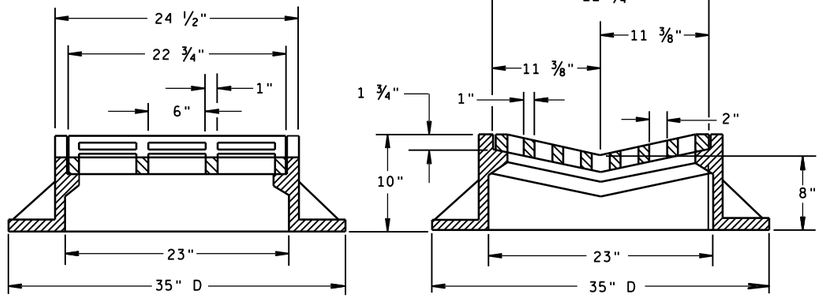
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-20A	CONCRETE CURB & GUTTER
08D01-20B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
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
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
09B04-11	PULL BOX
09H03-01	2 CIRCUIT METER BREAKER PEDESTAL
09H04-01	2 CIRCUIT ELECTRICAL SERVICE METER BREAKER PEDESTAL AND BREAKER DISCONNECT BOX
09H05-01	CABINET BREAKER DISCONNECT BOX INSTALLATION
09H11-01	IDENTIFICATION PLAQUE REQUIREMENTS AND PLACEMENTS
11A01-05	MAINTENANCE CROSSOVER FOR FREEWAYS
12A03-10	NAME PLATE (STRUCTURES)
12A04-03	STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES & OVERHEAD SIGN SUPPORTS & TRAFFIC SIGNALS
13A05-05A	SHOULDER RUMBLE STRIP, MILLING
13A05-05B	SHOULDER RUMBLE STRIP, MILLING
13B02-08A	CONCRETE PAVEMENT APPROACH SLAB
13B02-08B	STRUCTURAL APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C11-12A	RURAL DOWELED CONCRETE PAVEMENT
13C11-12B	RURAL DOWELED CONCRETE PAVEMENT
13C17-01A	CONCRETE JOINT DETAIL FOR EXIT RAMP TERMINI
13C17-01B	CONCRETE JOINT DETAIL FOR ENTRANCE RAMP TERMINI
13C18-06A	CONCRETE PAVEMENT JOINTING
13C18-06B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-06C	CONCRETE PAVEMENT JOINT TYPES
13C18-06D	CONCRETE PAVEMENT JOINT TYPES AT UTILITY FIXTURES
14B07-15A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15I	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
14B26-03A	STEEL THRIE BEAM BULLNOSE TERMINAL
14B26-03B	STEEL THRIE BEAM BULLNOSE TERMINAL
14B26-03C	STEEL THRIE BEAM BULLNOSE TERMINAL
14B26-03D	STEEL THRIE BEAM BULLNOSE TERMINAL
14B26-03E	STEEL THRIE BEAM BULLNOSE TERMINAL
14B29-01	SAFETY EDGE
14B32-05A	CONCRETE BARRIER SINGLE SLOPE (CBSS)
14B32-05B	CONCRETE BARRIER SINGLE SLOPE (CBSS)
14B32-05C	CONCRETE BARRIER SINGLE SLOPE (CBSS)
14B32-05D	CONCRETE BARRIER SINGLE SLOPE (CBSS)
14B32-05E	CONCRETE BARRIER SINGLE SLOPE (CBSS)
14B33-01G	CONCRETE BARRIER SINGLE SLOPE 42" THRIE BEAM ANCHOR
14B33-01H	CONCRETE BARRIER SINGLE SLOPE 42" THRIE BEAM ANCHOR
14B42-06A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-06B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-06C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-06D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

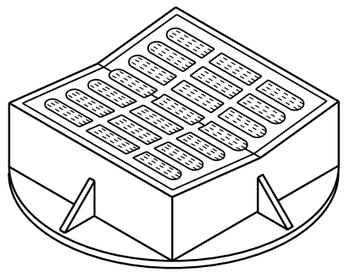
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Standard Detail Drawing List

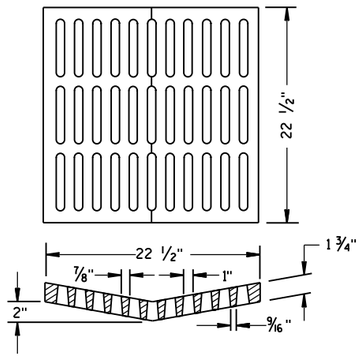
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-05A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05D	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05E	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05F	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05G	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05H	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05I	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05J	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05K	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05L	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B47-02A	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-02B	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-02C	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B52-01A	CABLE BARRIER TYPE 1 LAYOUT
14B52-01B	CABLE BARRIER TYPE 1 LAYOUT
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15A04-04A	FLEXIBLE DELINEATOR POST
15A04-04B	DELINEATOR BRACKET WITH REFLECTIVE SHEETING
15A04-04C	DELINEATOR POST WITH REFLECTIVE SHEETING
15B01-08A	FENCE WOVEN WIRE
15B01-08B	FENCE WOVEN WIRE
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C08-19A	LONGITUDINAL MARKING (MAINLINE)
15C11-07A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-06	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C14-03	AERIAL ENFORCEMENT BARS PAVEMENT MARKING DETAILS
15C19-05C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C31-03A	PAVEMENT MARKING (RAMPS AND GORES)
15C31-03C	PAVEMENT MARKING FOR PARALLEL ON-RAMP AND PARALLEL OFF-RAMP
15C33-03	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C34-03	STANDARD APPLICATION FOR TEMPORARY RAISED PAVEMENT MARKER, TYPE 2
15D07-04	TRAFFIC CONTROL, TEMPORARY EXIT RAMP CROSSOVER
15D08-06	TRAFFIC CONTROL, TEMPORARY ENTRANCE RAMP CROSSOVER
15D12-06A	TRAFFIC CONTROL, LANE CLOSURE
15D12-06B	TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION
15D13-02	TEMPORARY EMERGENCY PULLOUTS
15D15-04A	TRAFFIC CONTROL, PARALLEL ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-04B	TRAFFIC CONTROL, ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-04C	TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-04D	TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-04E	TRAFFIC CONTROL, PARALLEL EXIT RAMP WITHIN LANE CLOSURE
15D16-03	TRAFFIC CONTROL, EXIT RAMP CLOSURE
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D29-05	TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
15D40-01	TRAFFIC CONTROL, LANE SHIFT, MULTILANE DIVIDED OR ONE WAY ROAD

6



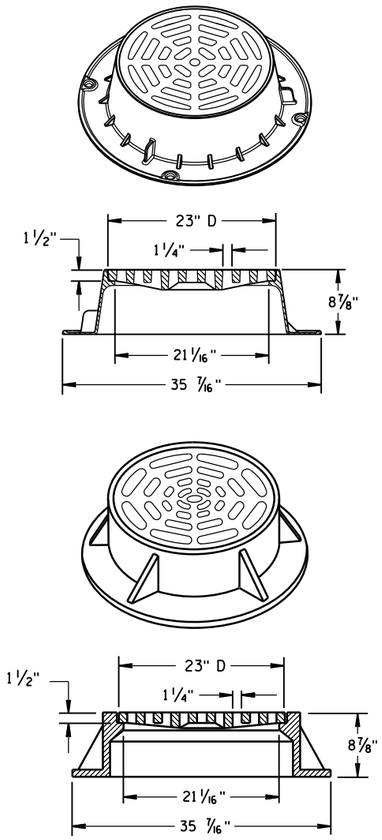


TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.
NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

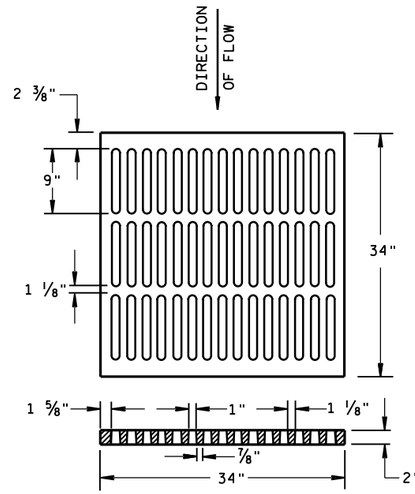
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

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

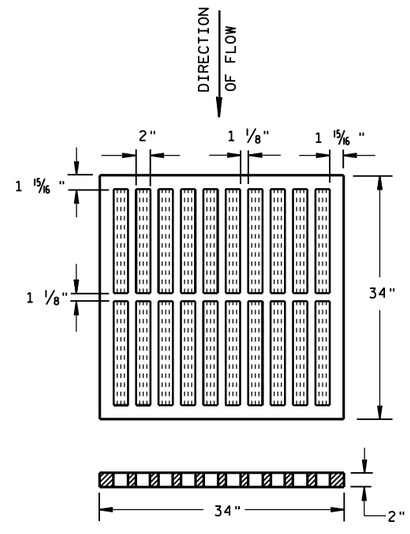
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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



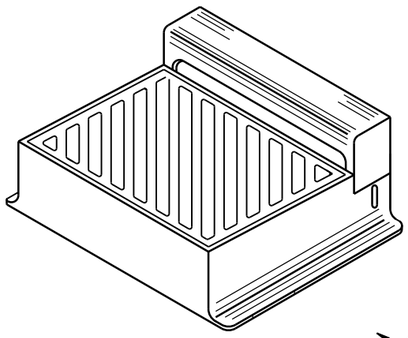
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

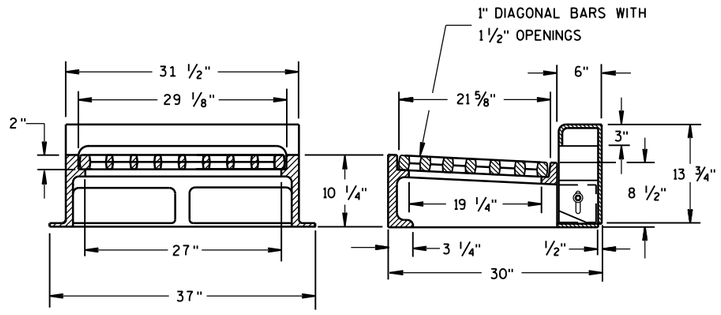


TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



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



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

INLET COVERS
TYPE B, B-A, C,
MS, MS-A, & WM

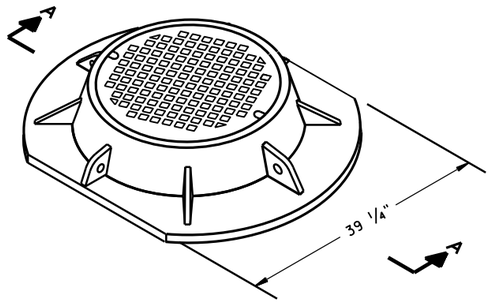
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

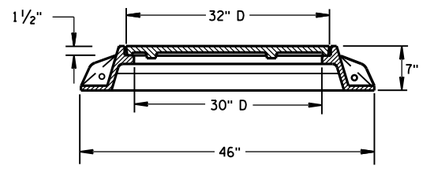
APPROVED
11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

519

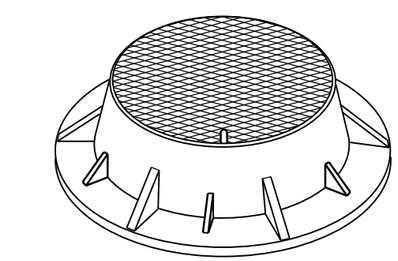
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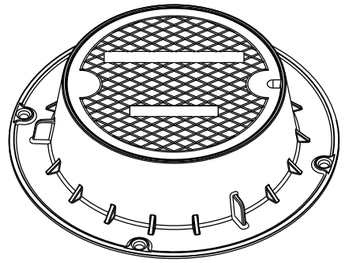
S.D.D. 8 A 5-19b

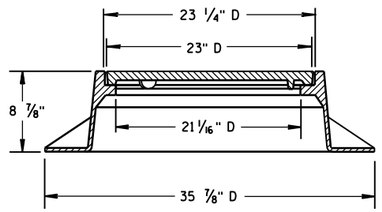


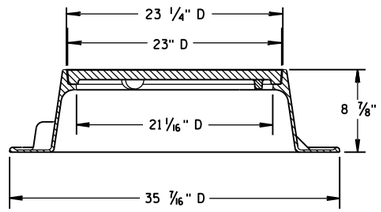


SECTION A-A
TYPE "K"









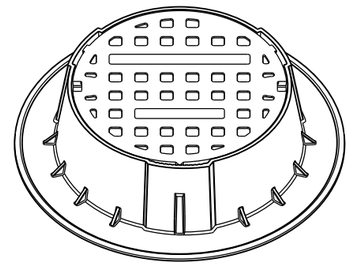
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

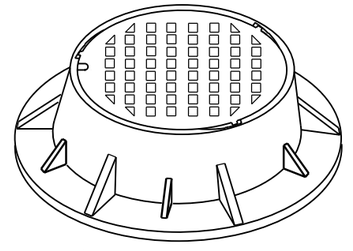
GENERAL NOTES

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.

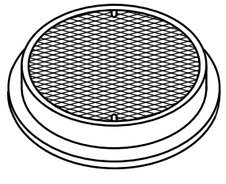
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

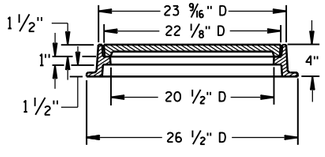
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



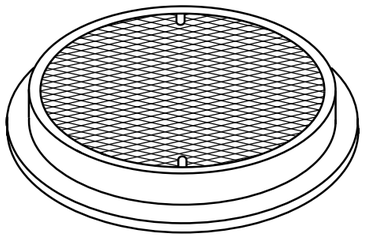


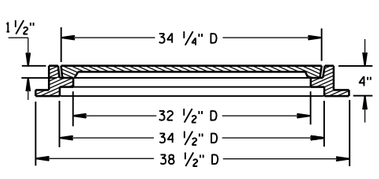
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



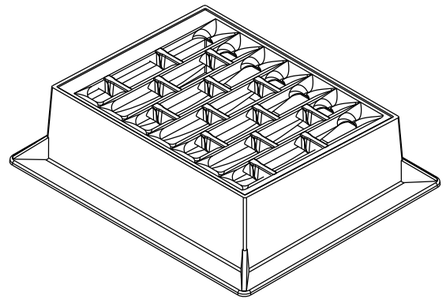


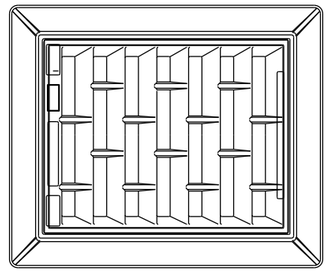
TYPE "L"

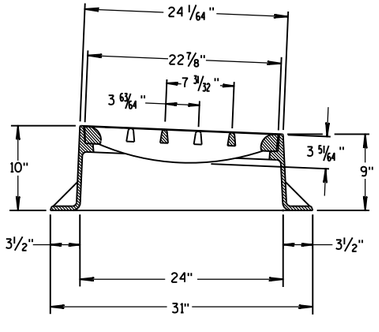


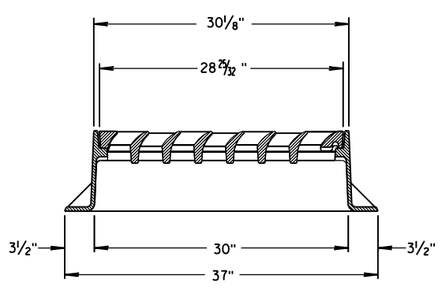


TYPE "M"









INLET COVER TYPE "BW"

INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
FHWA

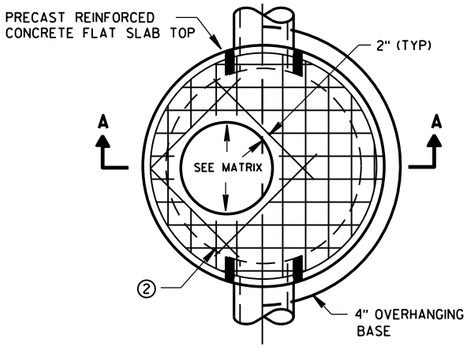
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

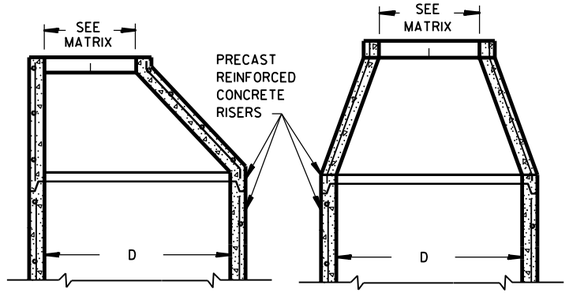
S.D.D. 8 A 5-19d

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S.D.D. 8 A 5-19d

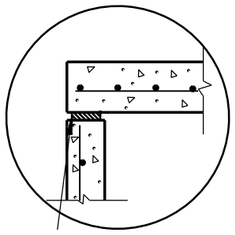


PLAN VIEW CIRCULAR OPENING

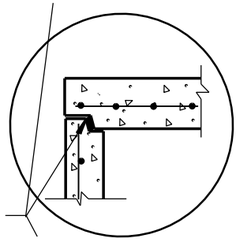


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

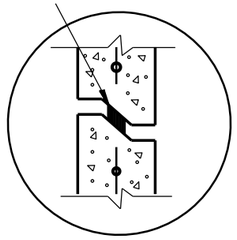


TOP WITH PLAIN END JOINT



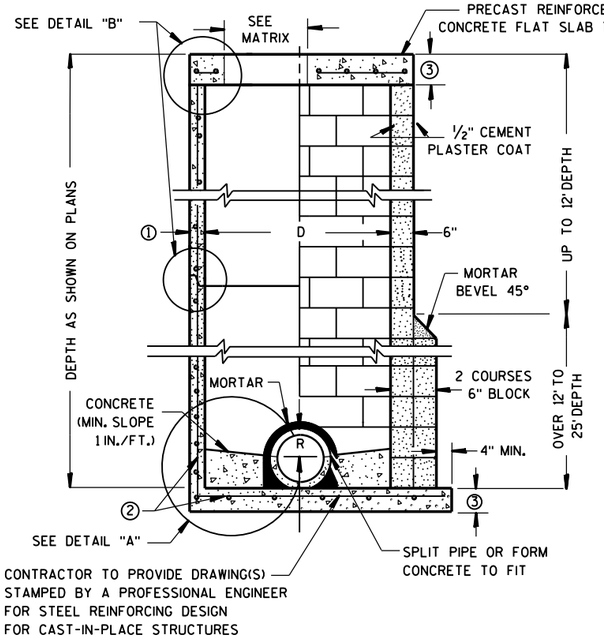
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



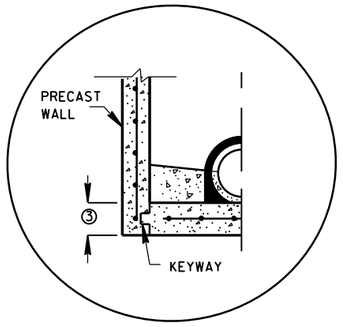
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

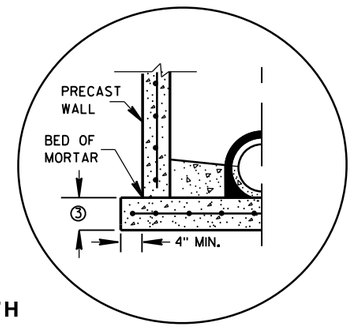


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

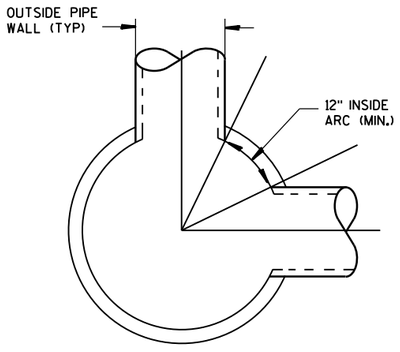


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

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

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND 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" 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.

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

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

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

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 "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

② FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

MANHOLE COVER OPENING MATRIX

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

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

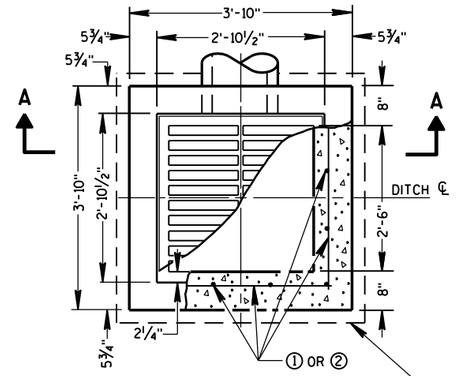
APPROVED

Sept., 2016
DATE

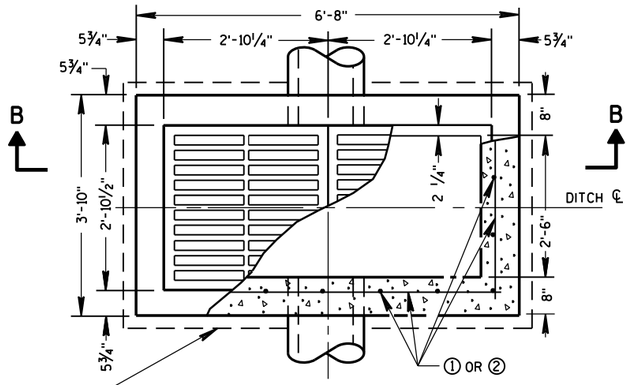
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
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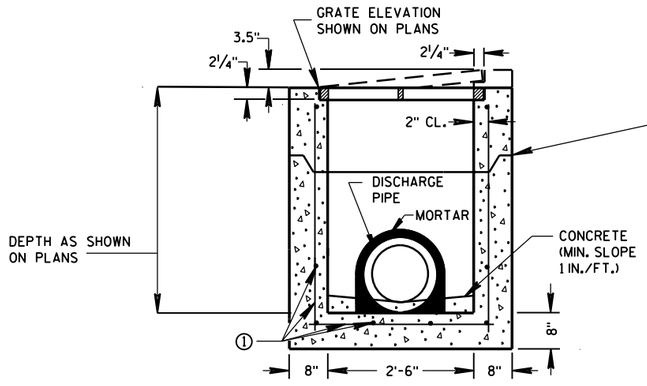


PLAN VIEW

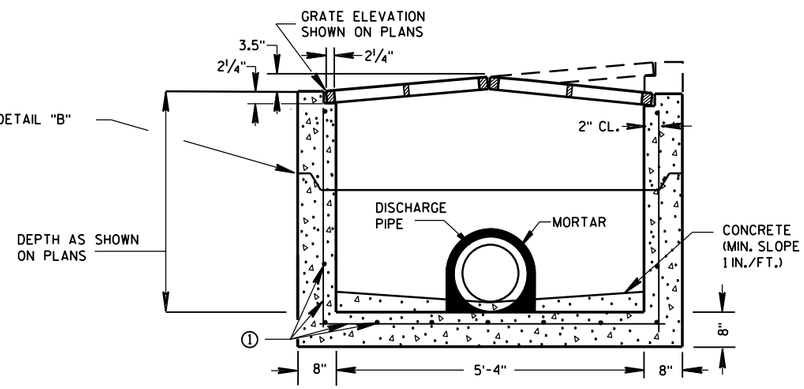


PLAN VIEW

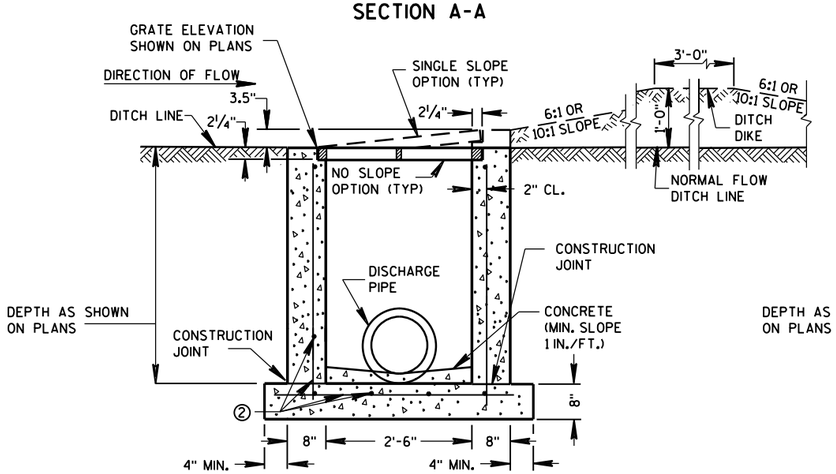
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



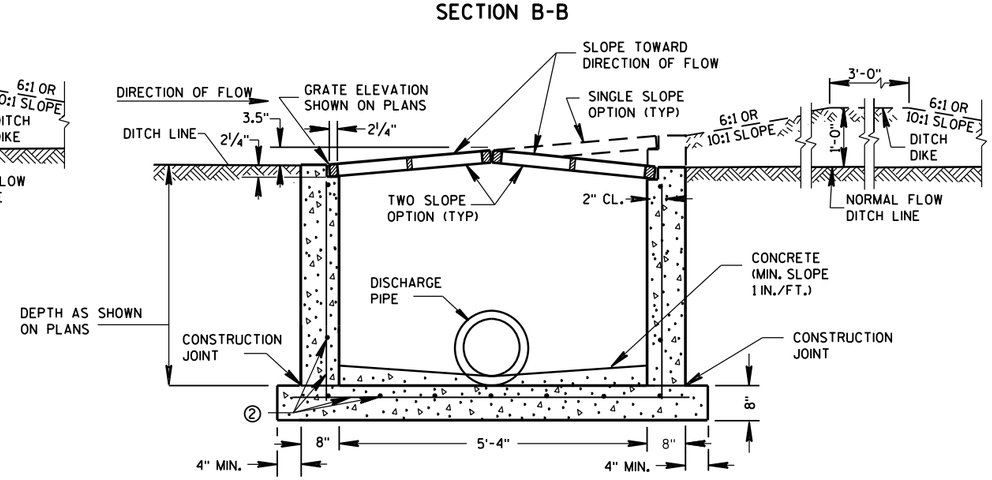
PRECAST REINFORCED CONCRETE SECTION A-A



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.

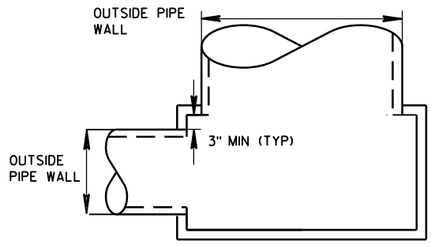
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

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.

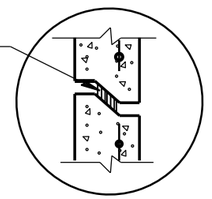
PIPE MATRIX

	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)



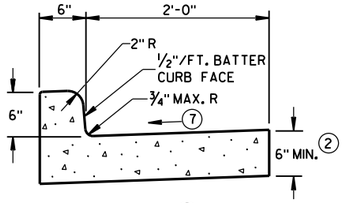
DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

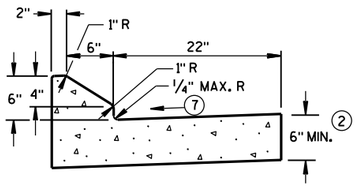
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

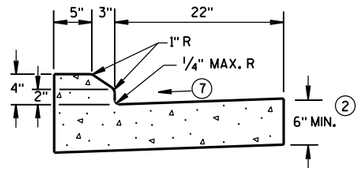
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S.D.D. 8 C 8-2



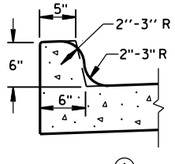
TYPES A (1) & D



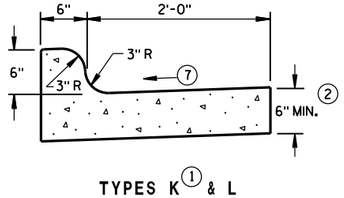
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

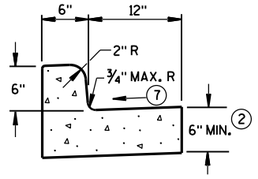


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



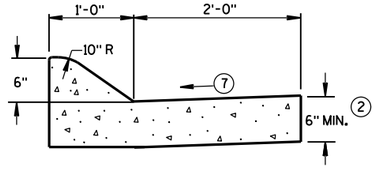
TYPES K (1) & L

CONCRETE CURB & GUTTER 30"

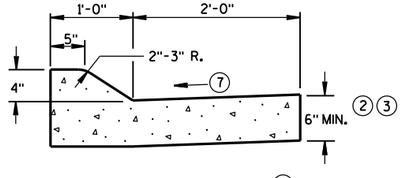


TYPES A (1) & D

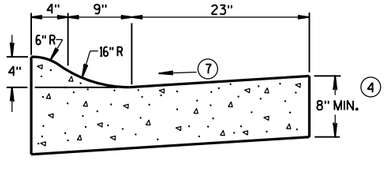
CONCRETE CURB & GUTTER 18"



6" SLOPED CURB TYPES A (1) & D

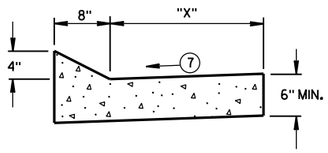


4" SLOPED CURB TYPES A (1) & D



4" SLOPED CURB TYPES R (1) & T (5)

CONCRETE CURB & GUTTER 36"



TYPES TBT & TBTT (1)

CONCRETE CURB & GUTTER

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

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS 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 & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

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 GUTTER 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) THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

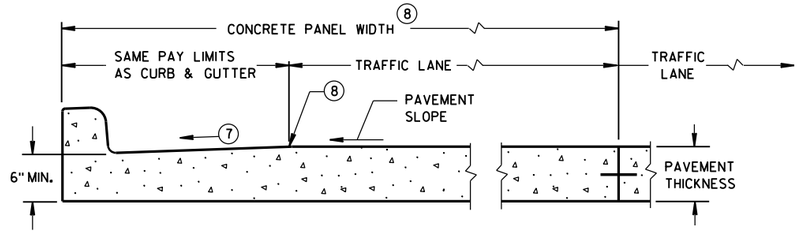
(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

(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.

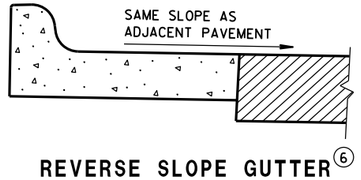
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB & GUTTER

* BIKE LANE IS NOT SHOWN.



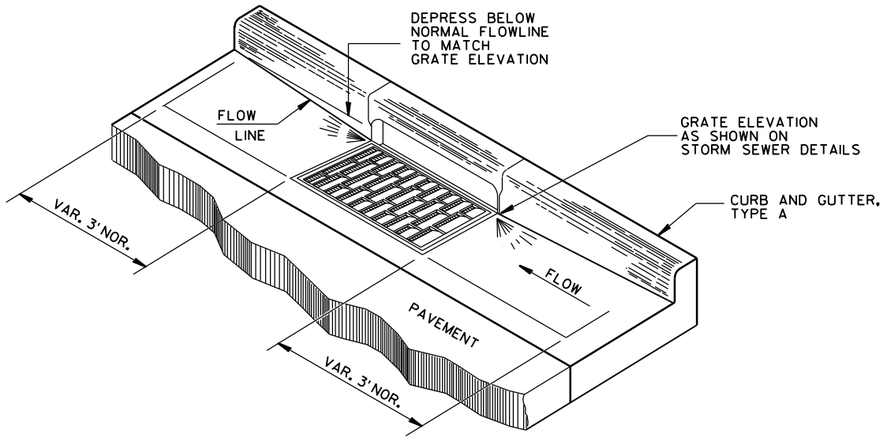
REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

CONCRETE CURB & GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 8 D 1-20a



DETAIL OF CURB AND GUTTER AT INLETS

(TYPE H INLET COVER SHOWN)

GENERAL NOTES

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

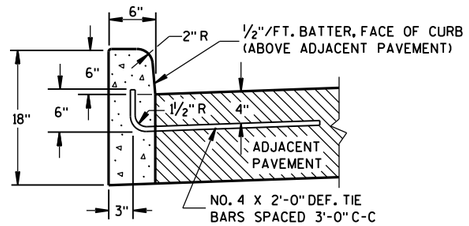
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

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

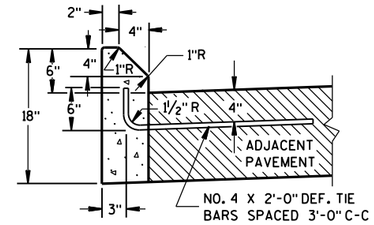
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.

(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.

(9) REFER TO SDD 8D18 AND SDD 8D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

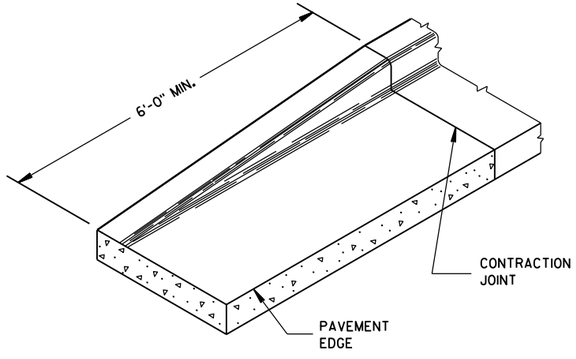


TYPES A(1) & D

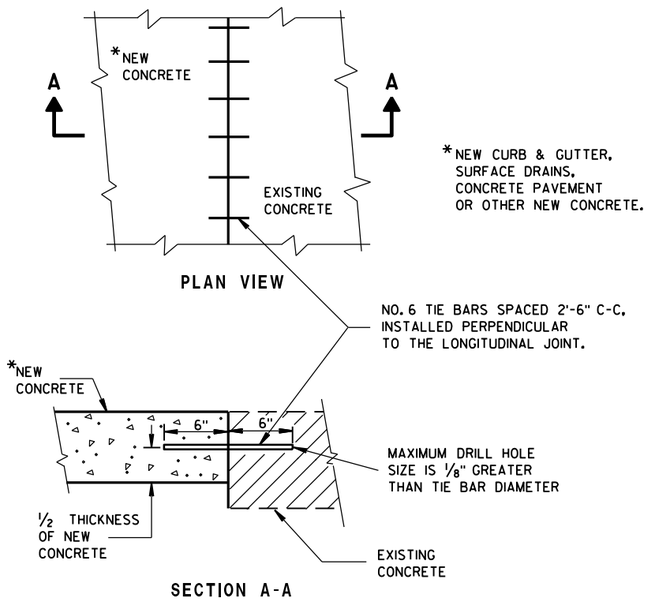


TYPES G(1) & J

CONCRETE CURB



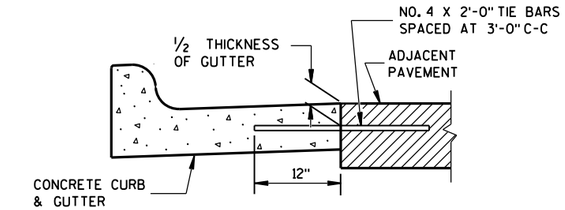
END SECTION CURB & GUTTER



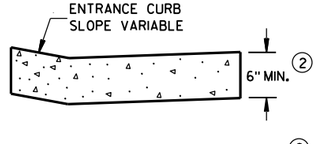
PLAN VIEW

SECTION A-A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (9)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

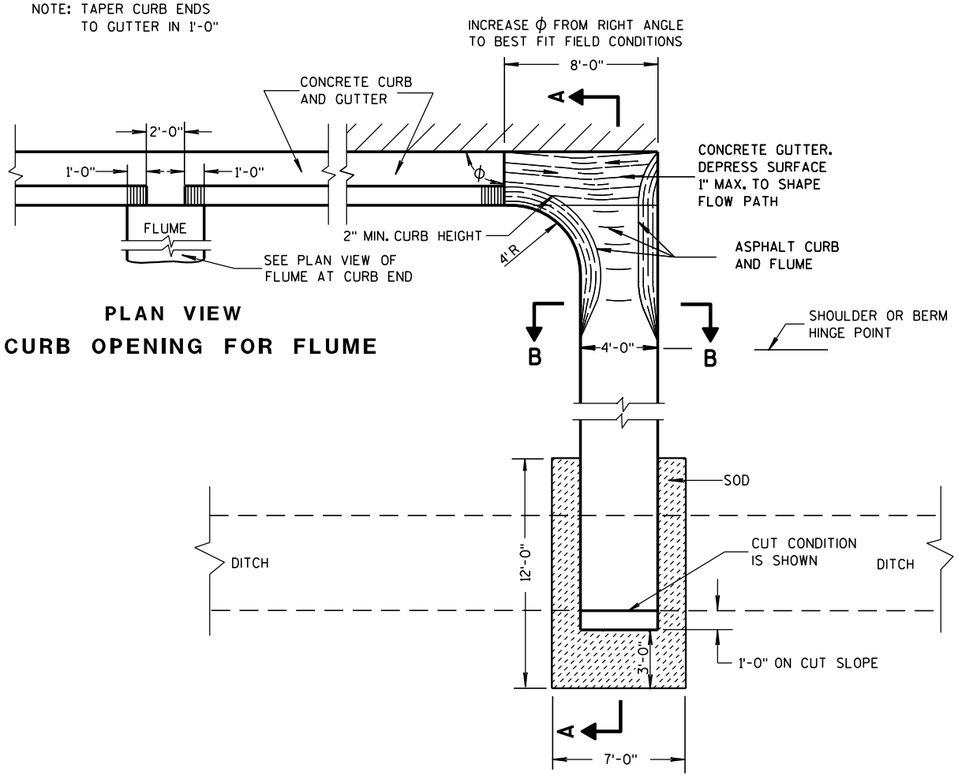
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2017 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS 524 ENT
UNIT SUPERVISOR
FHWA

6

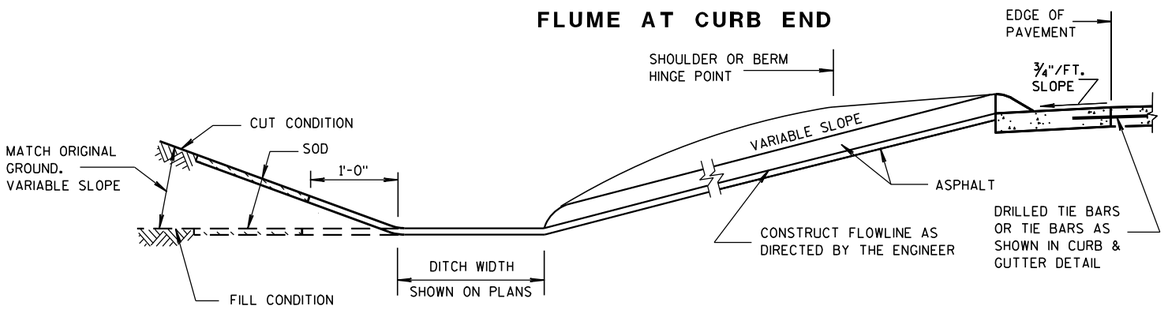
S.D.D. 8 D 1-20b

ASPHALTIC FLUME

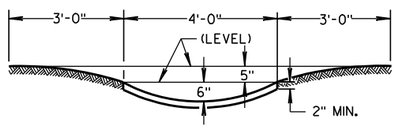


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



SECTION A-A



SECTION B-B

GENERAL NOTES

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

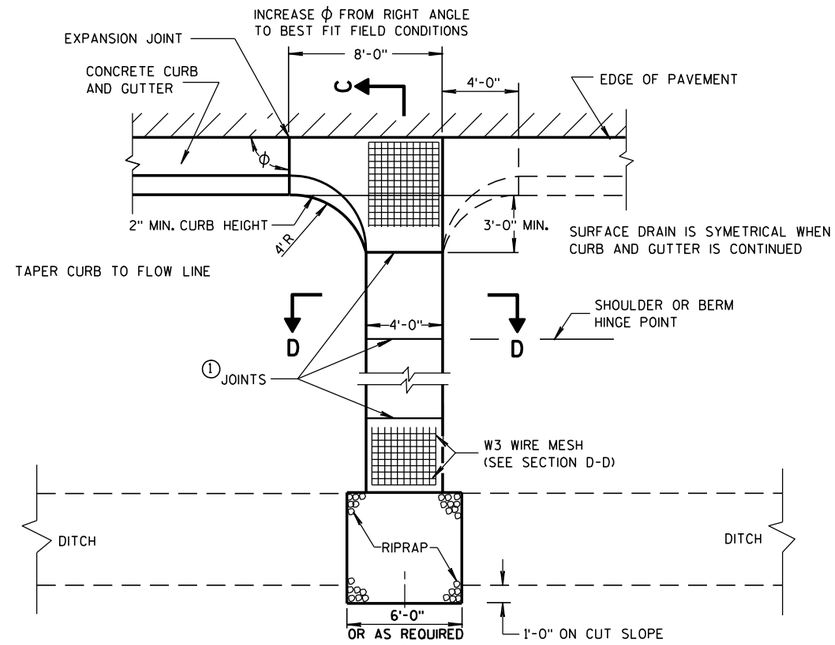
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

① JOINTS SHALL BE ⅛ TO ¼ INCH WIDE BY 1½ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.

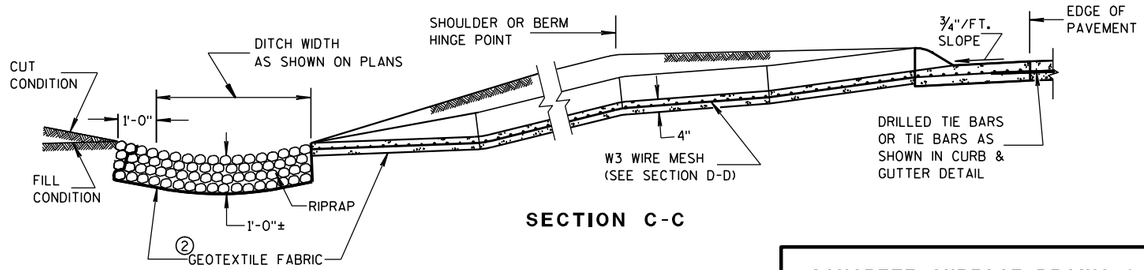
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

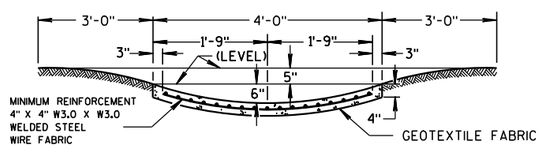
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

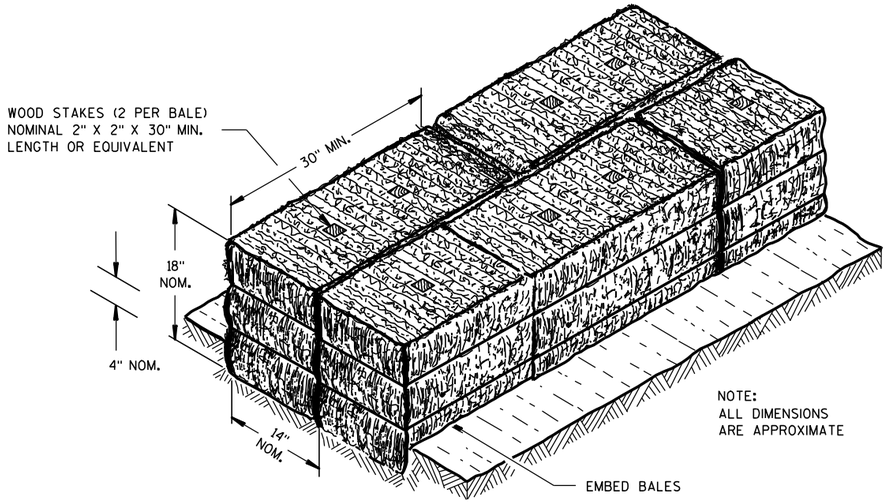
APPROVED
9-4-08 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
525 MENT
FHWA

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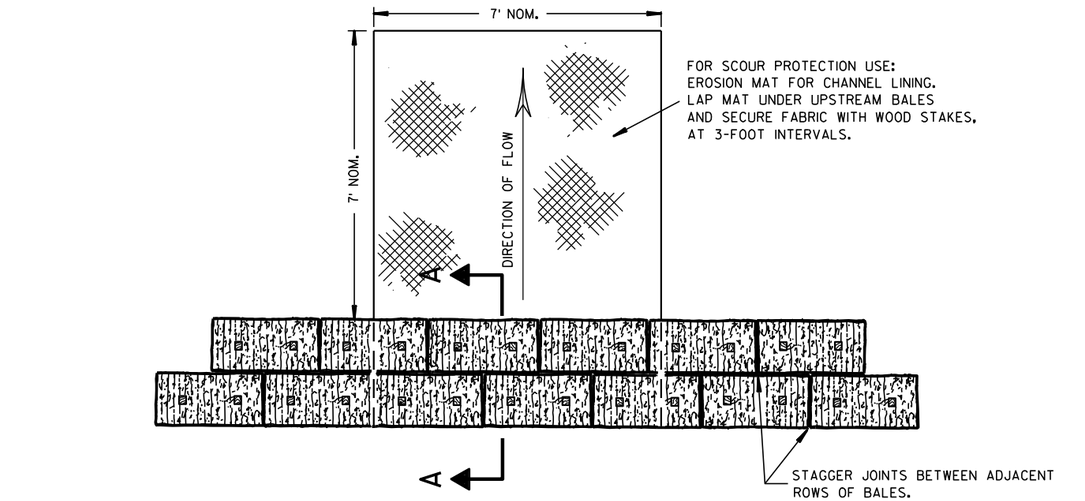
S.D.D. 8 D 4-5

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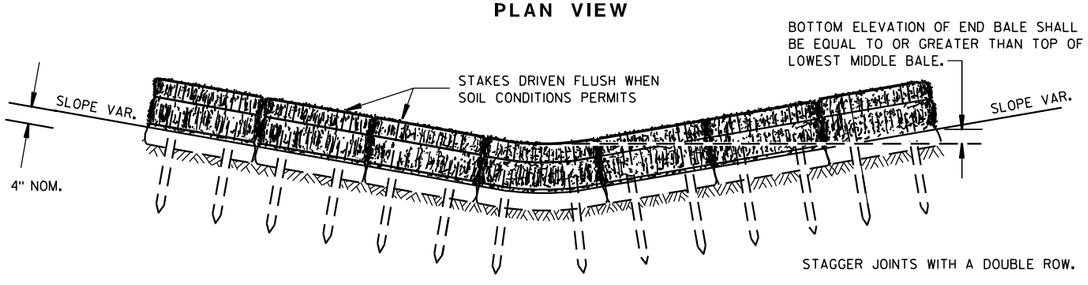
S.D.D. 8 D 4-5



SECTION A-A



PLAN VIEW



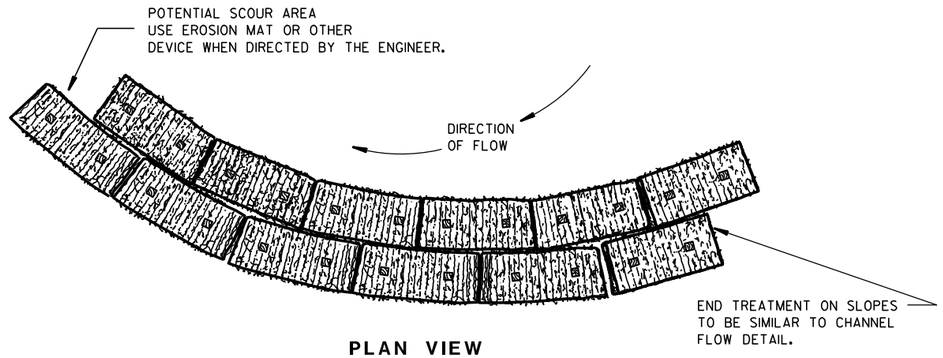
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

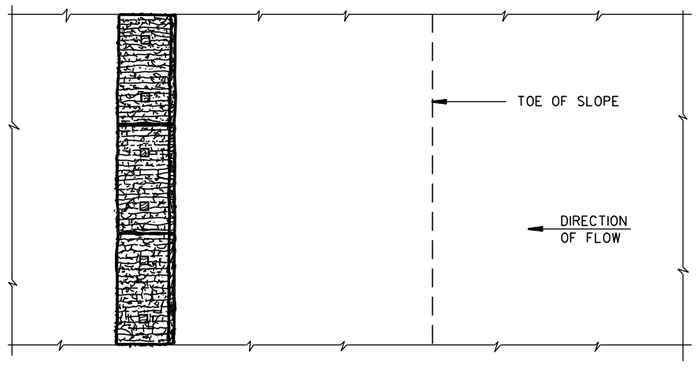
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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

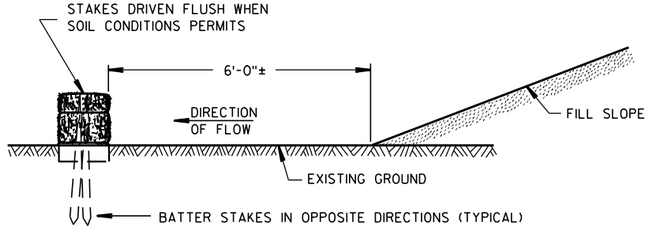


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

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

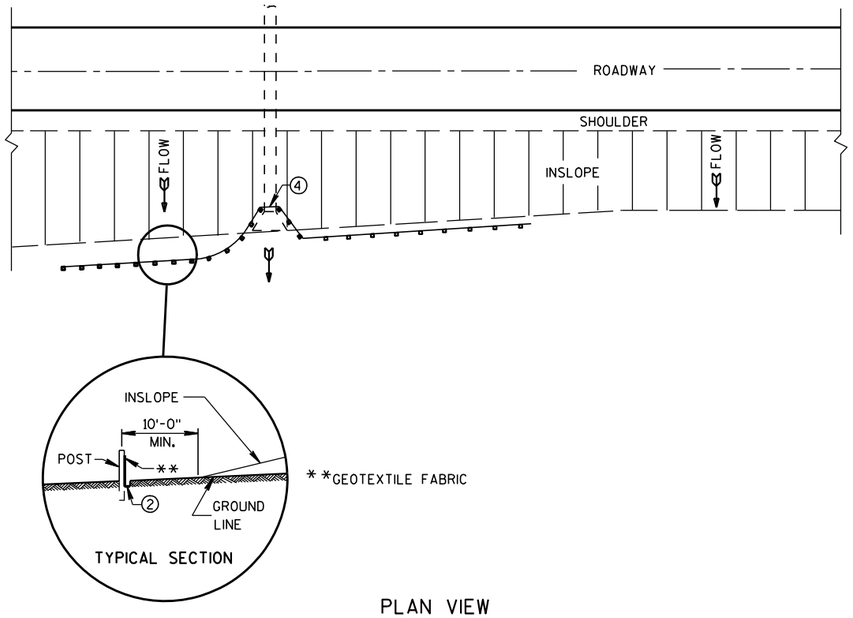
FHWA

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S.D.D. 8 E 8-3

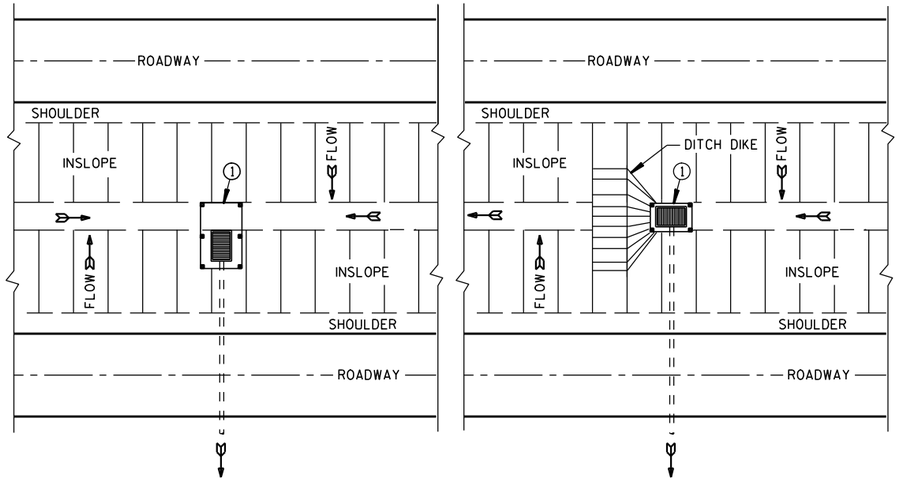
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S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



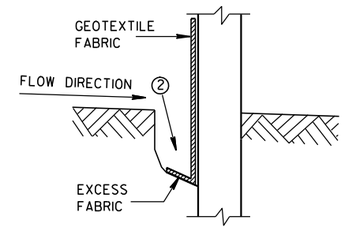
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

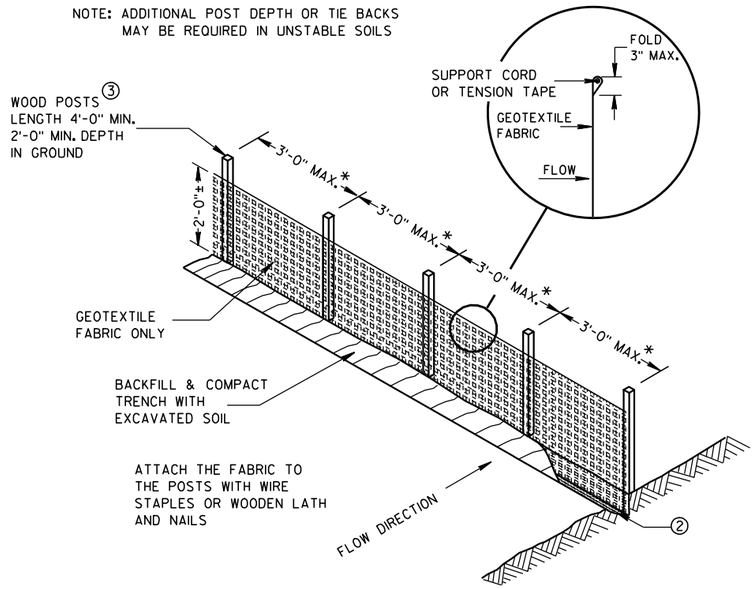
GENERAL NOTES

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

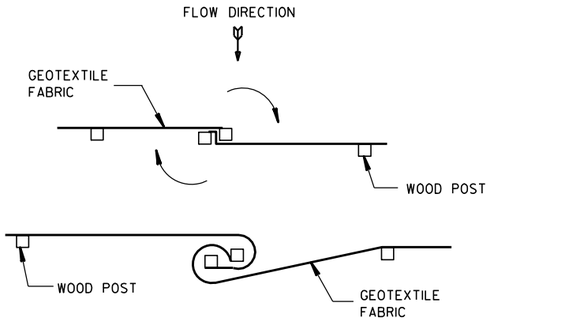
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



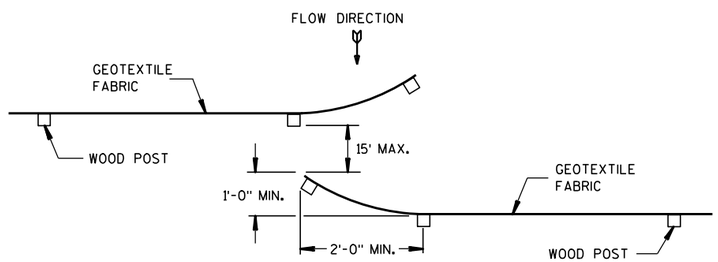
TRENCH DETAIL



SILT FENCE

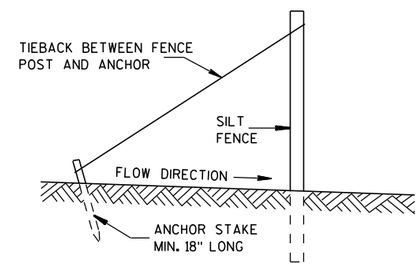


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

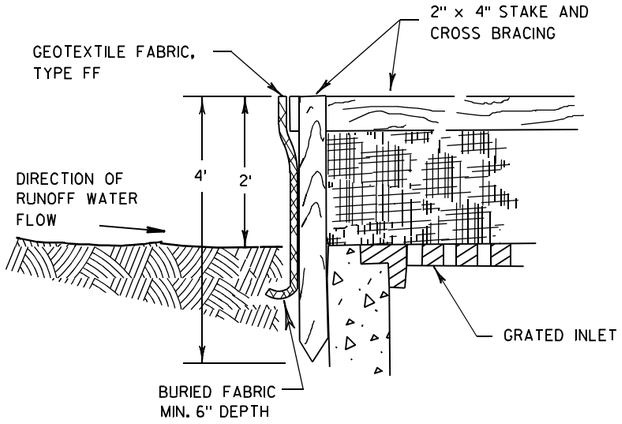
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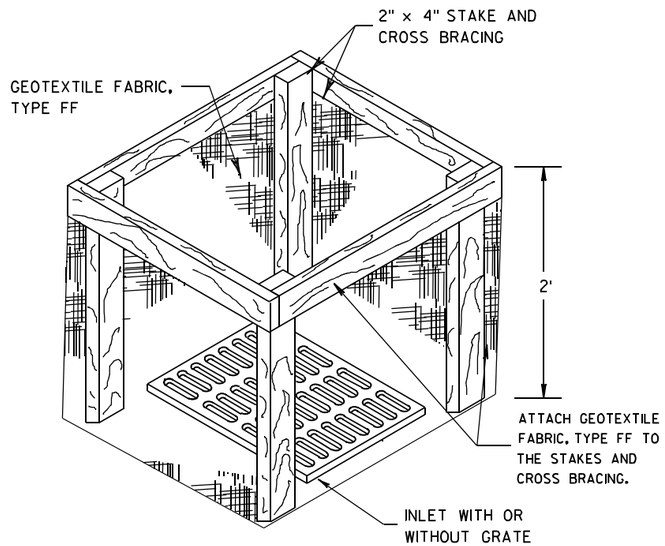
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S.D.D. 8 E 9-6

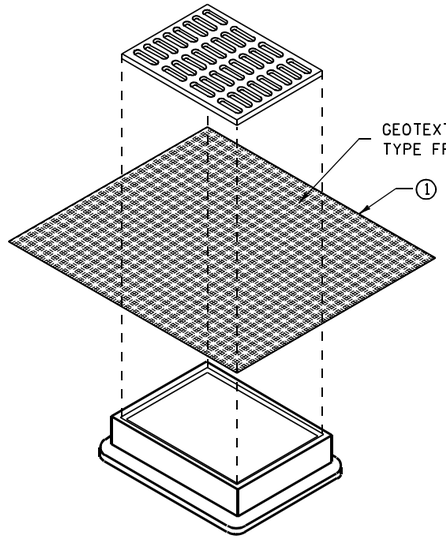
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S.D.D. 8 E 9-6



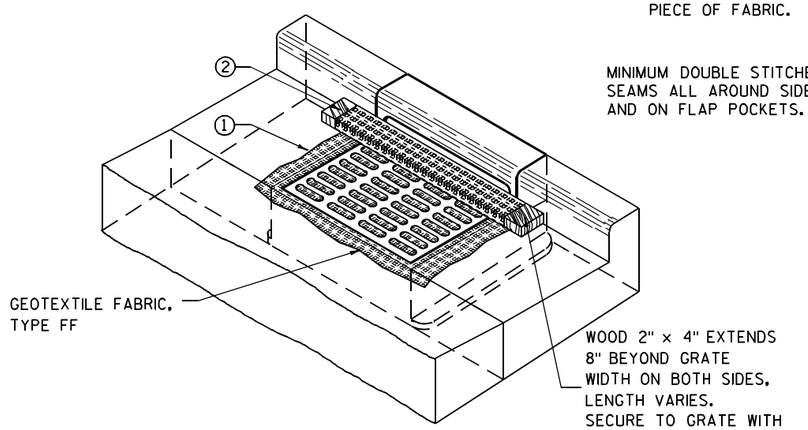


INLET PROTECTION, TYPE A

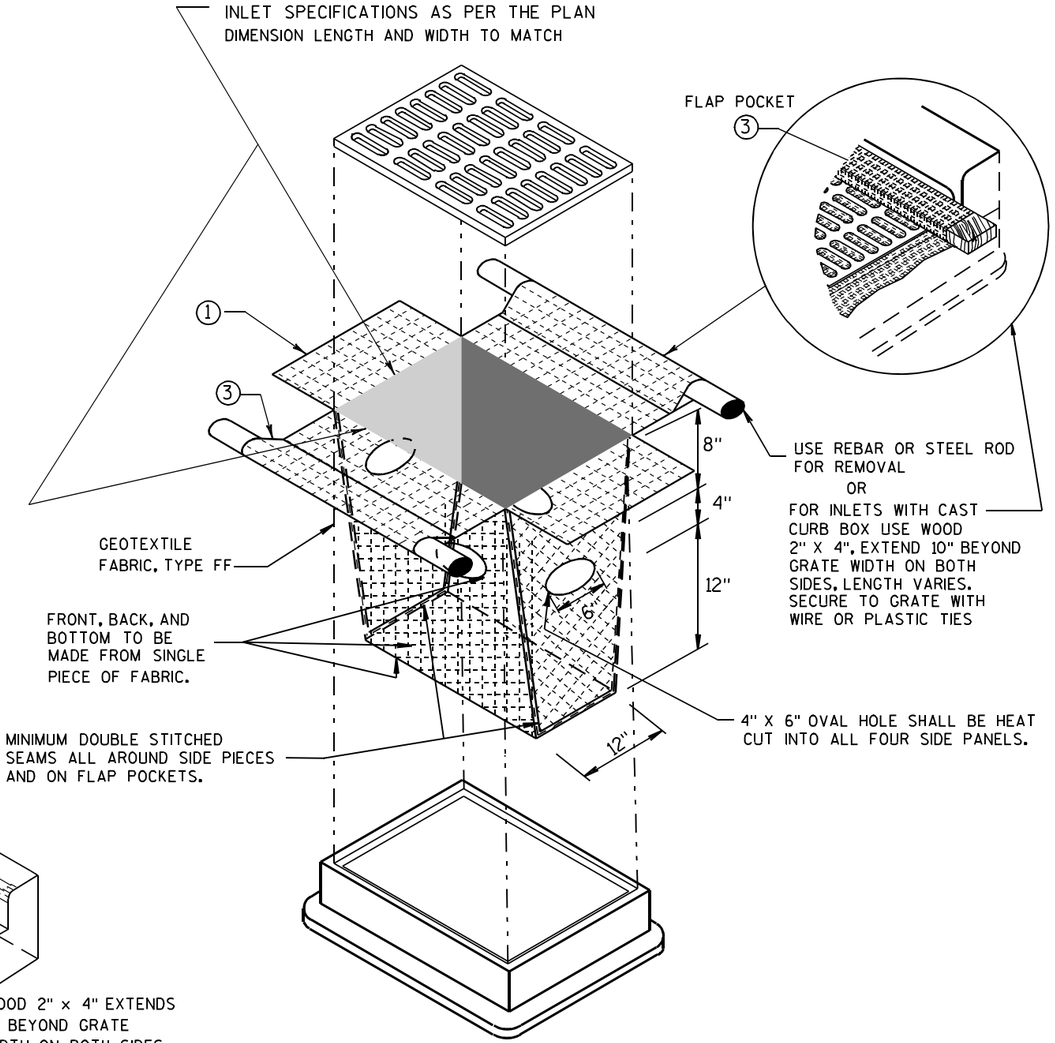


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

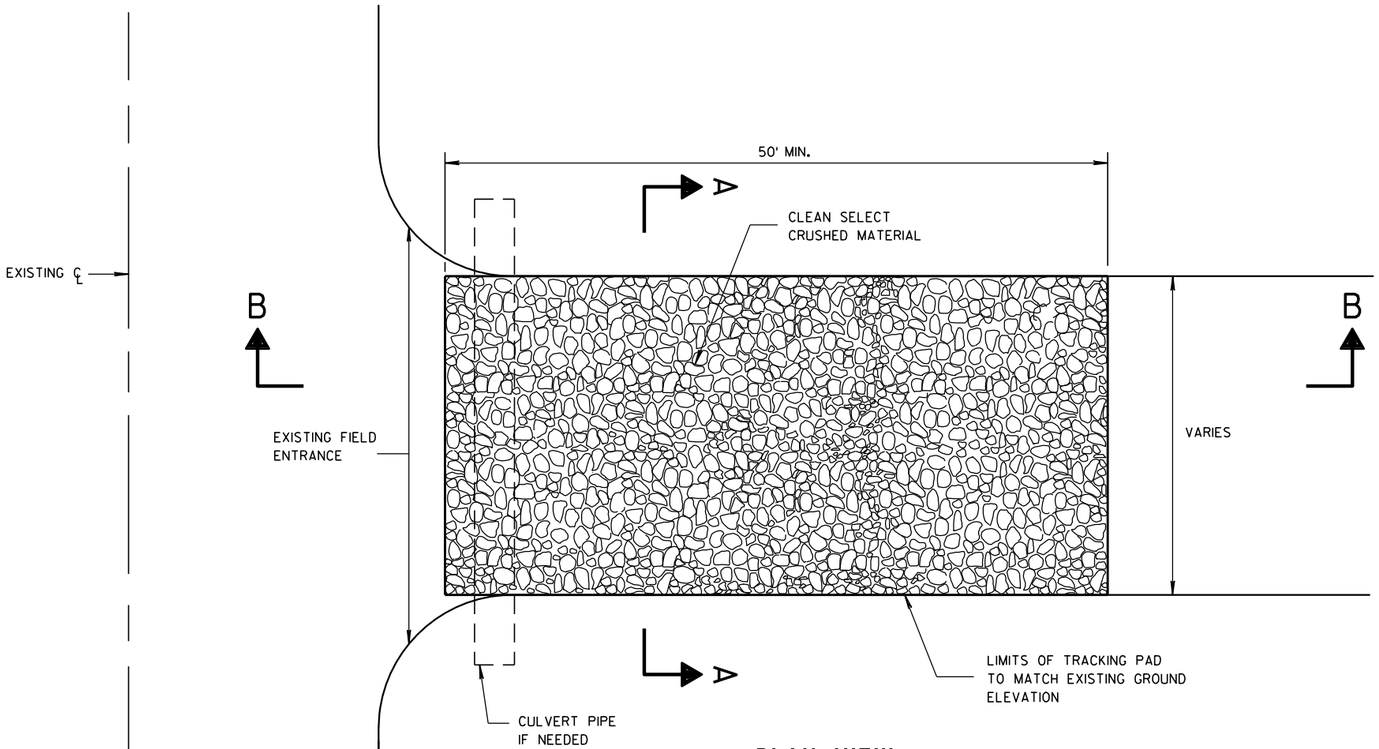
FHWA

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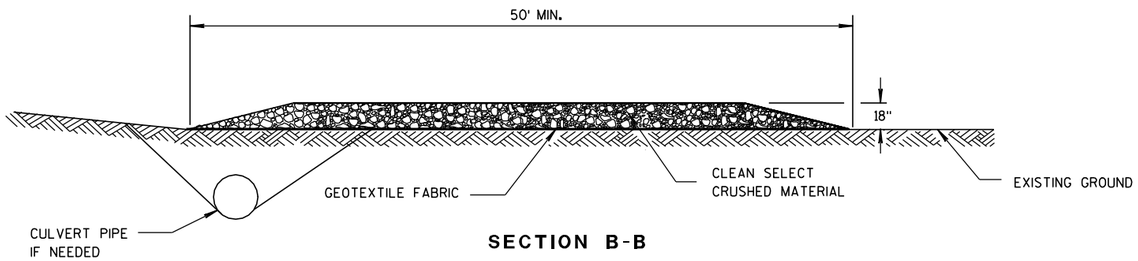
S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2



PLAN VIEW



SECTION B-B

GENERAL NOTES

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

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

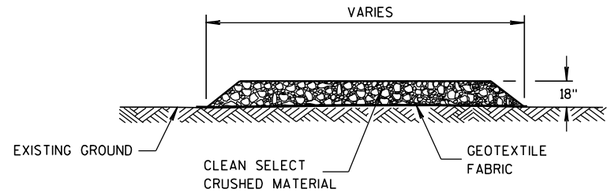
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A-A

TRACKING PAD

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/24/2011 — DATE
/S/ Jerry H. Zoda — ROADWAY STANDARDS ENGINEER
FHWA

6

S.D.D. 8 E 14-1

S.D.D. 8 E 14-1

METAL APRON ENDWALLS

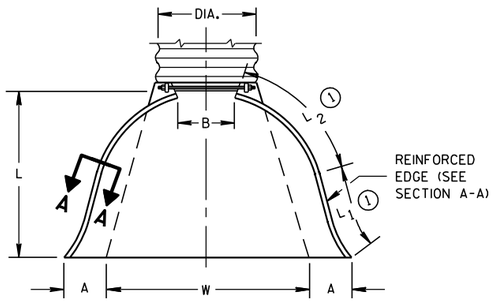
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4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

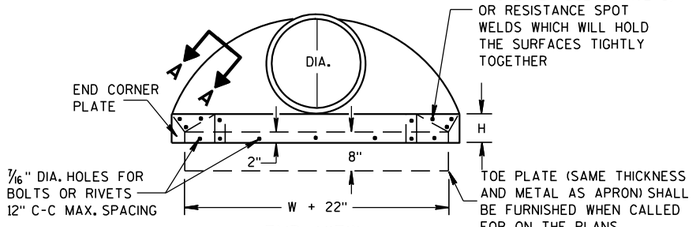
REINFORCED CONCRETE APRON ENDWALLS

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

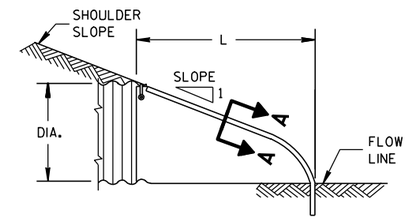
*MINIMUM
**MAXIMUM



PLAN VIEW

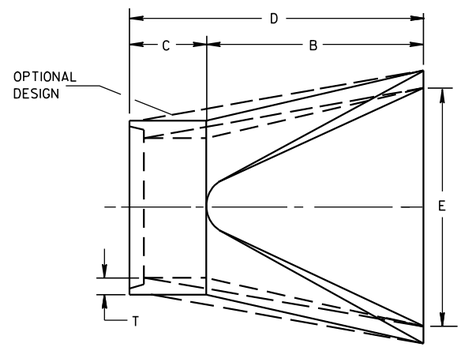


END VIEW

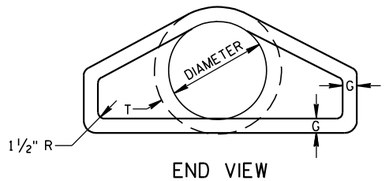


SIDE ELEVATION

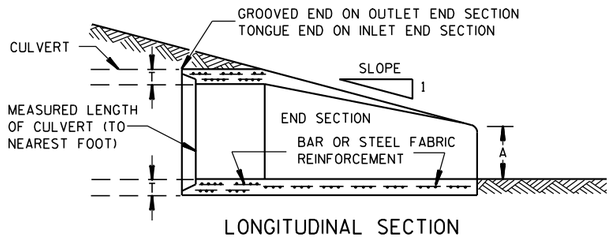
METAL ENDWALLS



PLAN

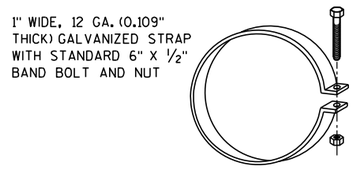


END VIEW



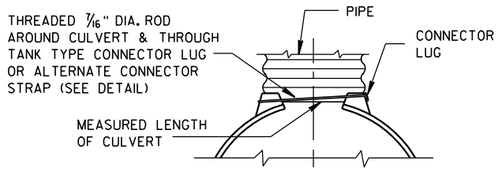
LONGITUDINAL SECTION

CONCRETE ENDWALLS

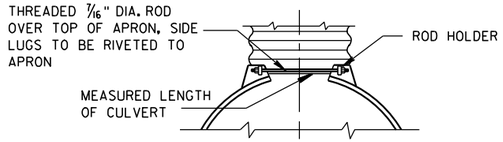


ALTERNATE FOR TYPE 1 CONNECTION

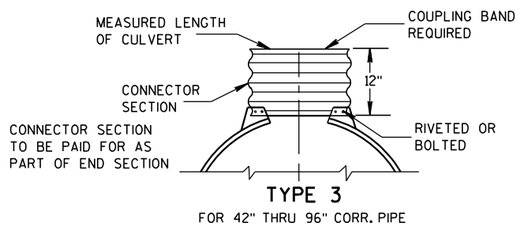
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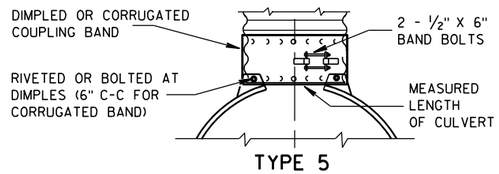
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

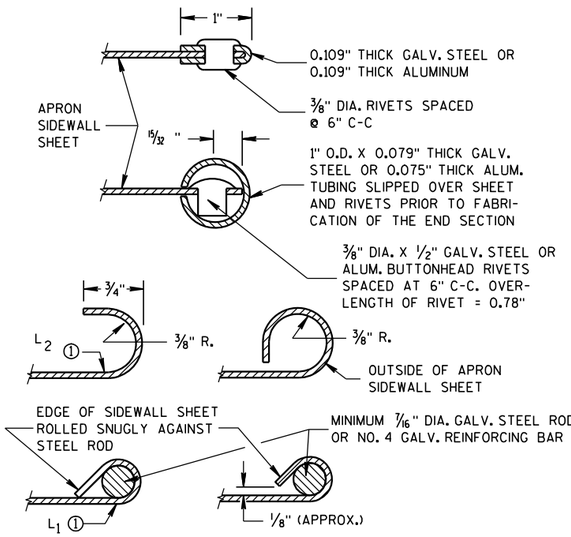
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

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

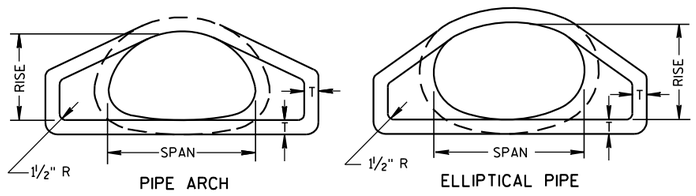
APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

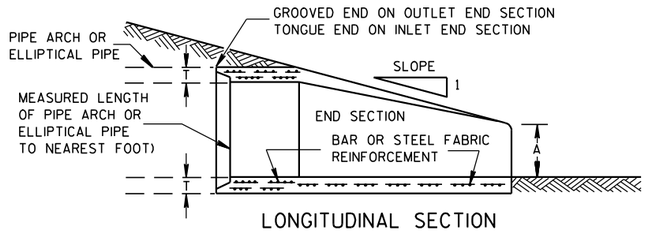
APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOP 530 NEER
FHWA

6

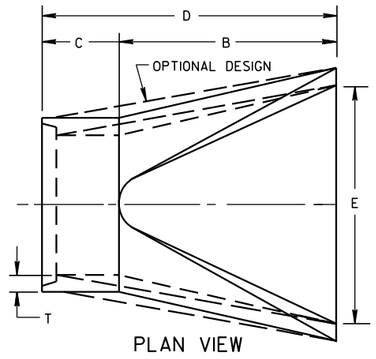
S.D.D. 8 F 1-11



END VIEW

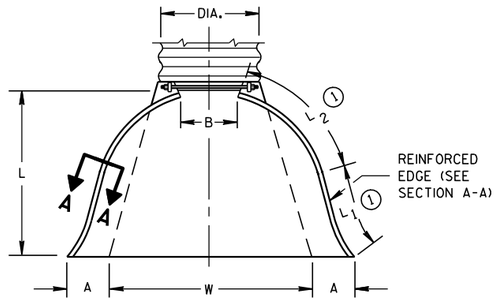


LONGITUDINAL SECTION

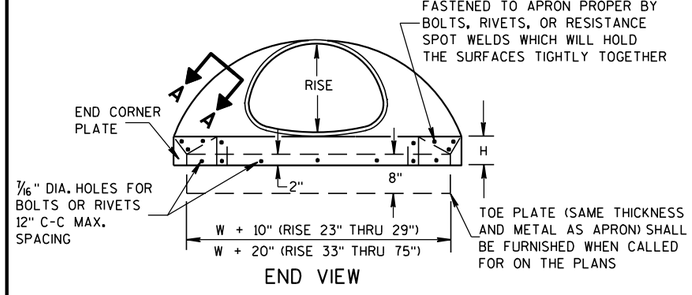


PLAN VIEW

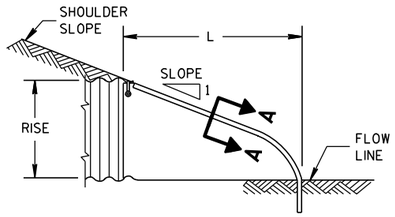
CONCRETE ENDWALLS



PLAN VIEW

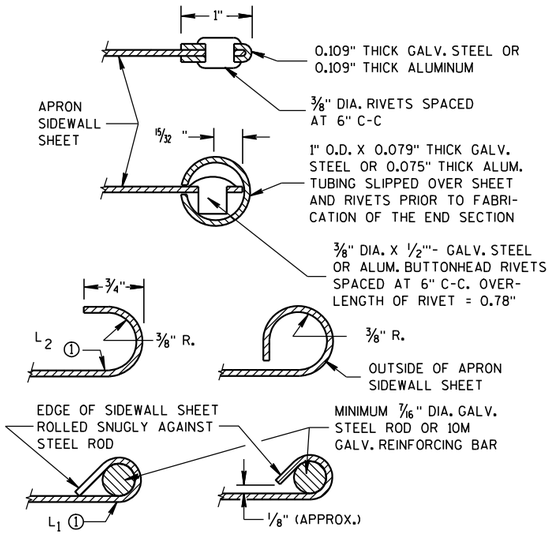


END VIEW



SIDE ELEVATION

METAL ENDWALLS



SECTION A-A

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

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

3" X 1" CORRUGATIONS

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

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

* EXCEPT CENTER PANEL SEE GENERAL NOTES

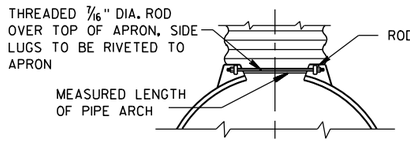
REINFORCED CONCRETE PIPE ARCH

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

REINFORCED CONCRETE ELLIPTICAL PIPE

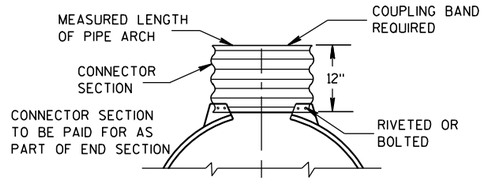
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48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

**NOMINAL SIZE



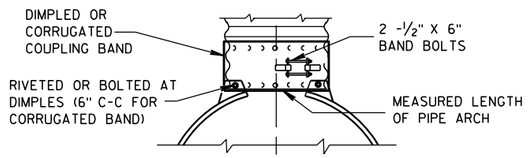
TYPE 2

FOR 17" X 13" THRU 112" X 75" PIPE ARCH



TYPE 3

FOR 64" X 43" THRU 112" X 75" PIPE ARCH



TYPE 5

ALTERNATE FOR:

ALL SIZES CORRUGATED PIPE ARCHES

NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL.

CONNECTION DETAILS

GENERAL NOTES

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

CONCRETE APRON ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM APRON ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE ARCH PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 77" X 52" THROUGH 112" X 75" APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/94 — DATE

/S/ Rory L. Rhinesmith — CHIEF ROADWAY DEVELOPMENT ENGINEER

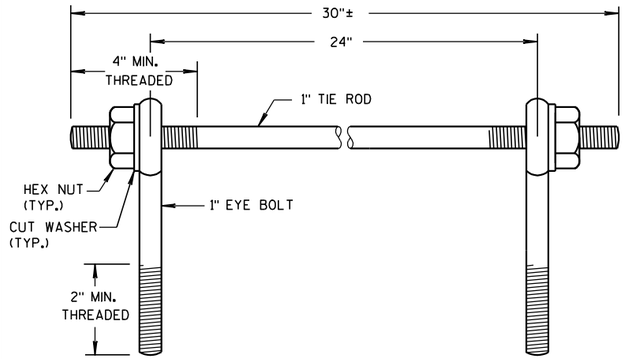
FHWA

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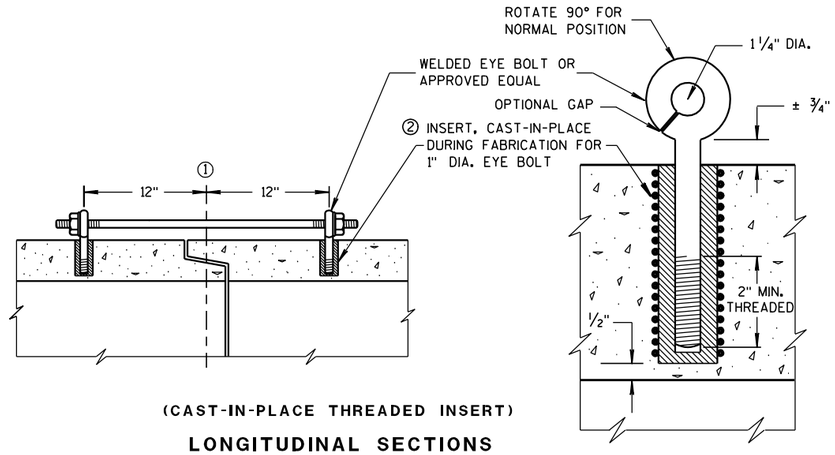
S.D.D. 8 F 2-1

6

S.D.D. 8 F 2-1



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

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

GENERAL NOTES

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

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

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

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

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

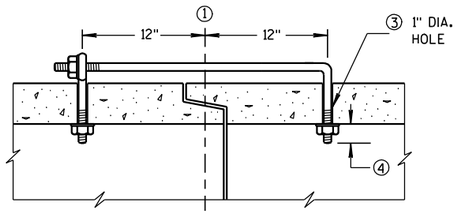
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

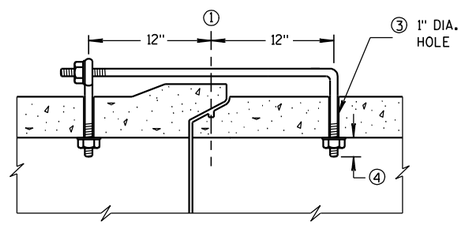
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

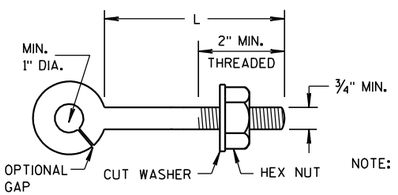


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

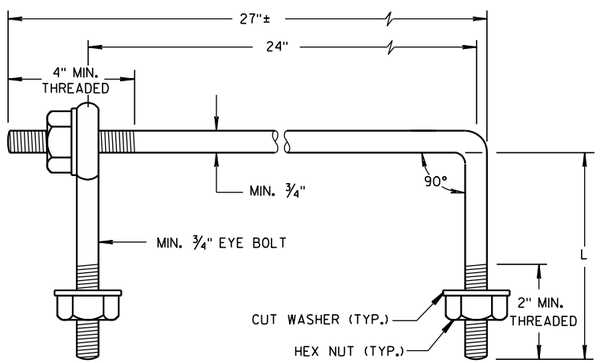
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

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



EYE BOLT AND TIE ROD

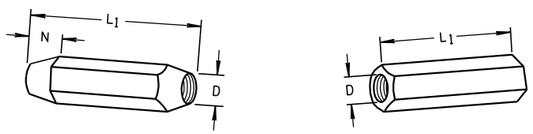
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

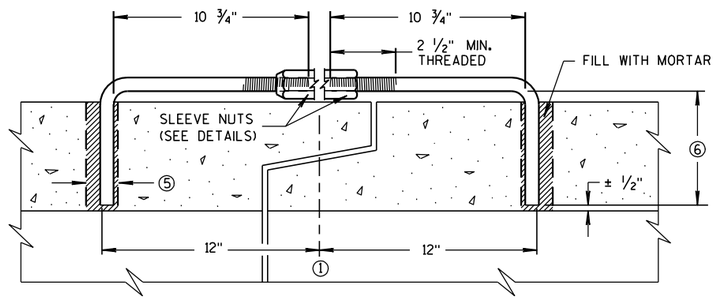
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

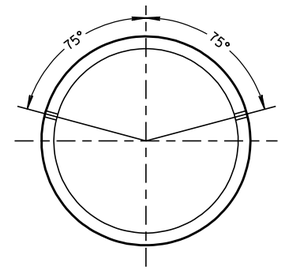
SLEEVE NUTS



LONGITUDINAL SECTION

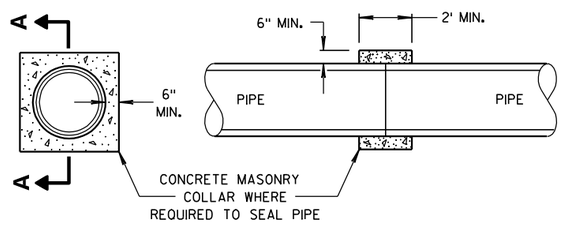
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

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

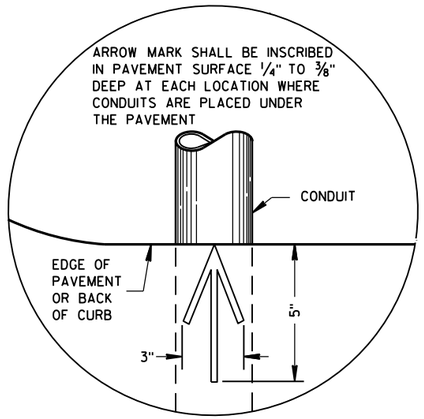
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
532
FHWA

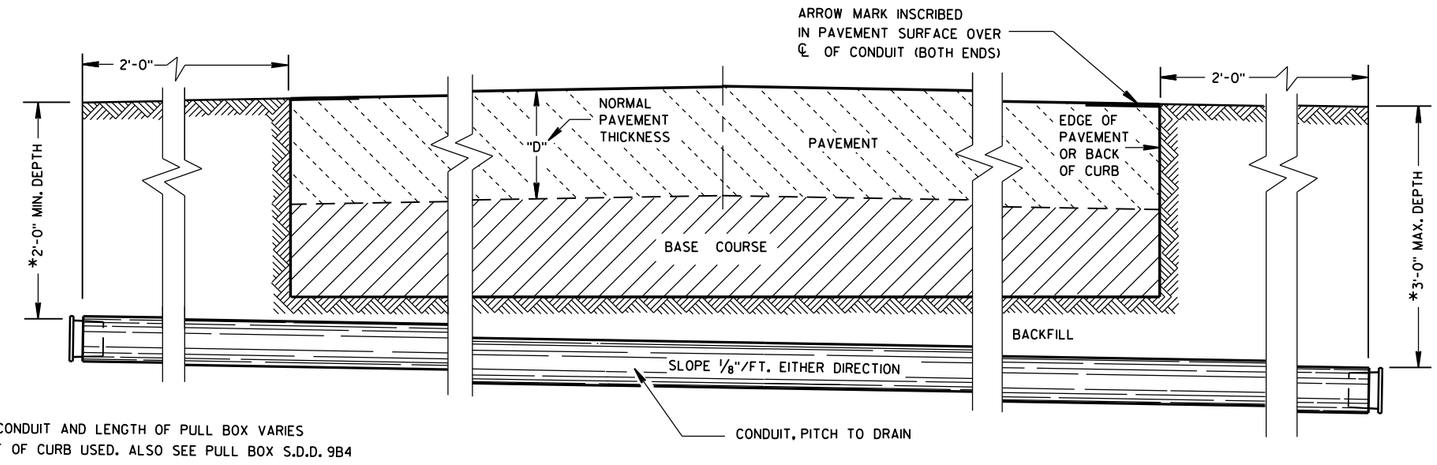
6

S.D.D. 8 F 4-7



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

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

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 533
FHWA

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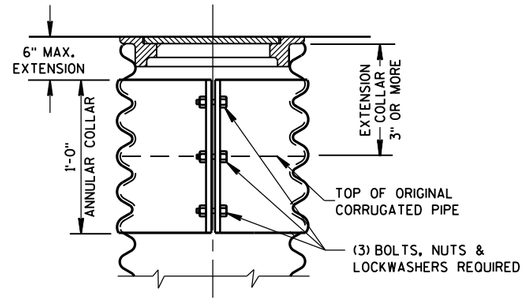
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

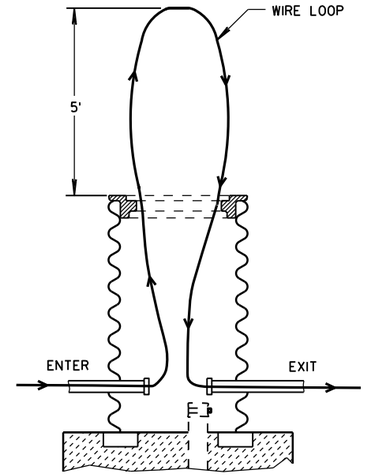
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

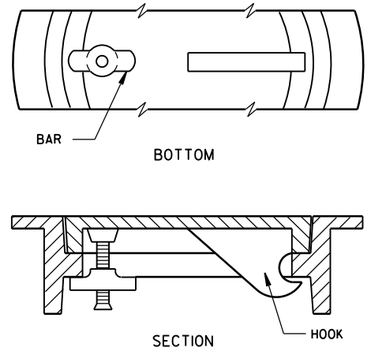
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

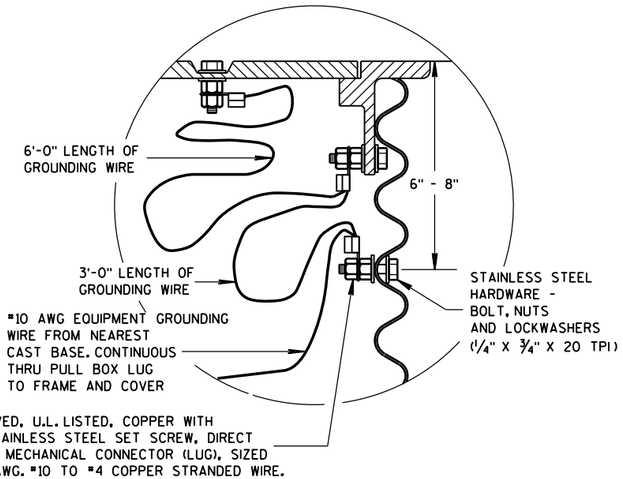


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

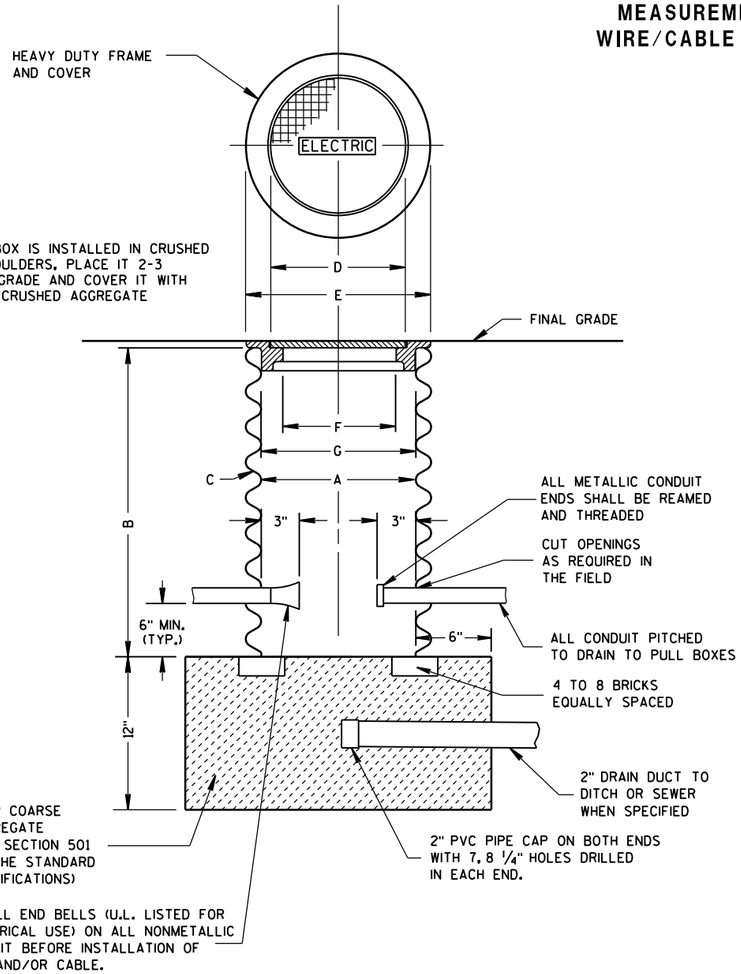


ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX

GENERAL NOTES

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

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

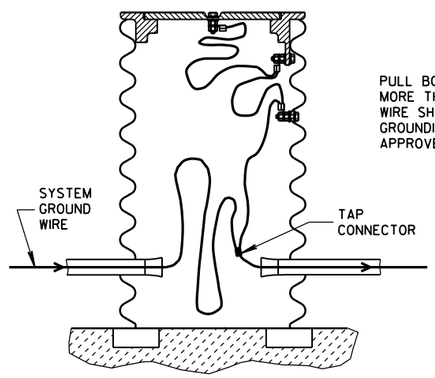
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

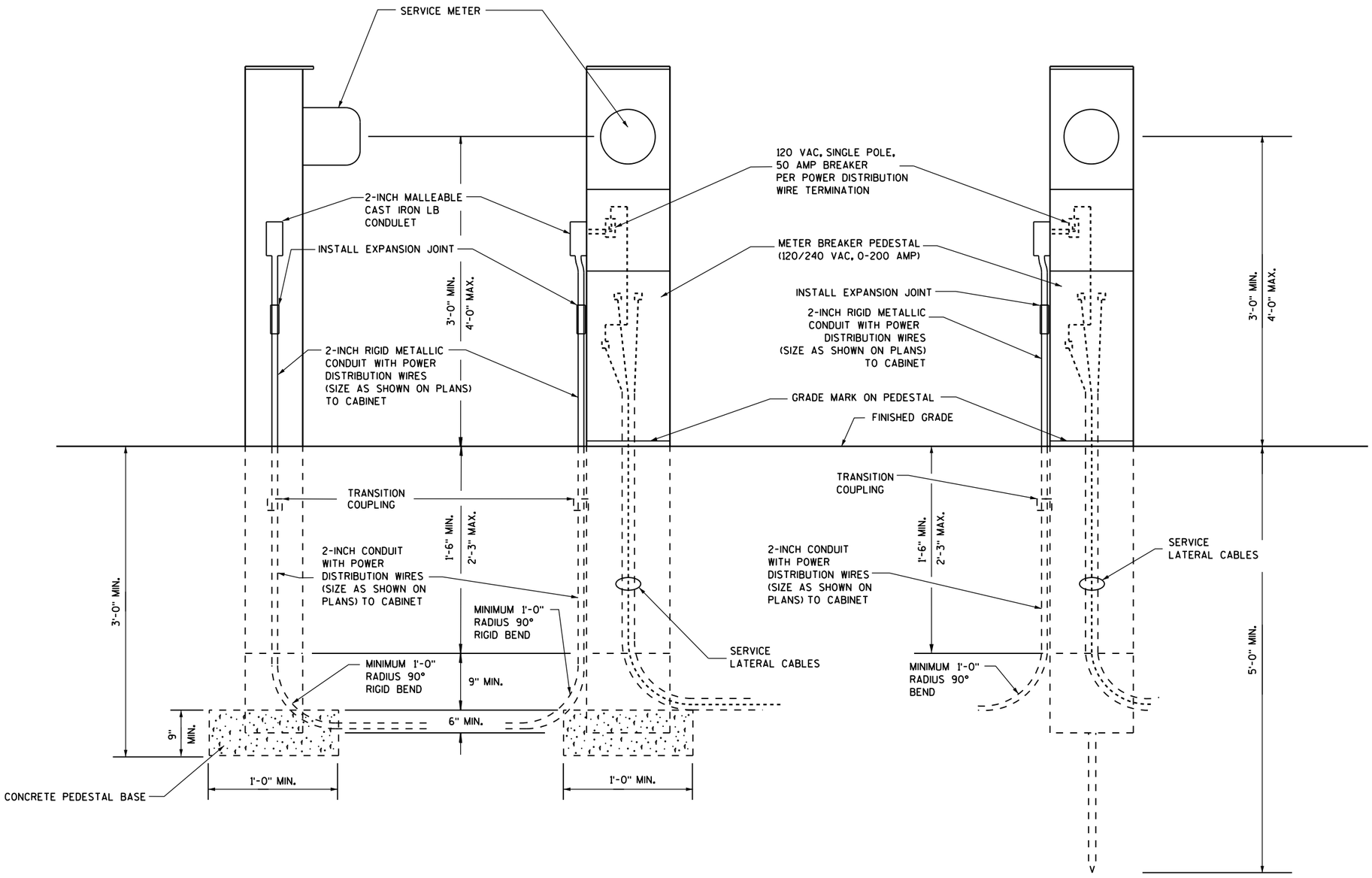
PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 B 4-11



2 CIRCUIT METER BREAKER PEDESTAL

ALTERNATE SUPPORTING STAKE

(IF APPROVED BY UTILITY)

2 CIRCUIT
METER BREAKER PEDESTAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL

FHWA

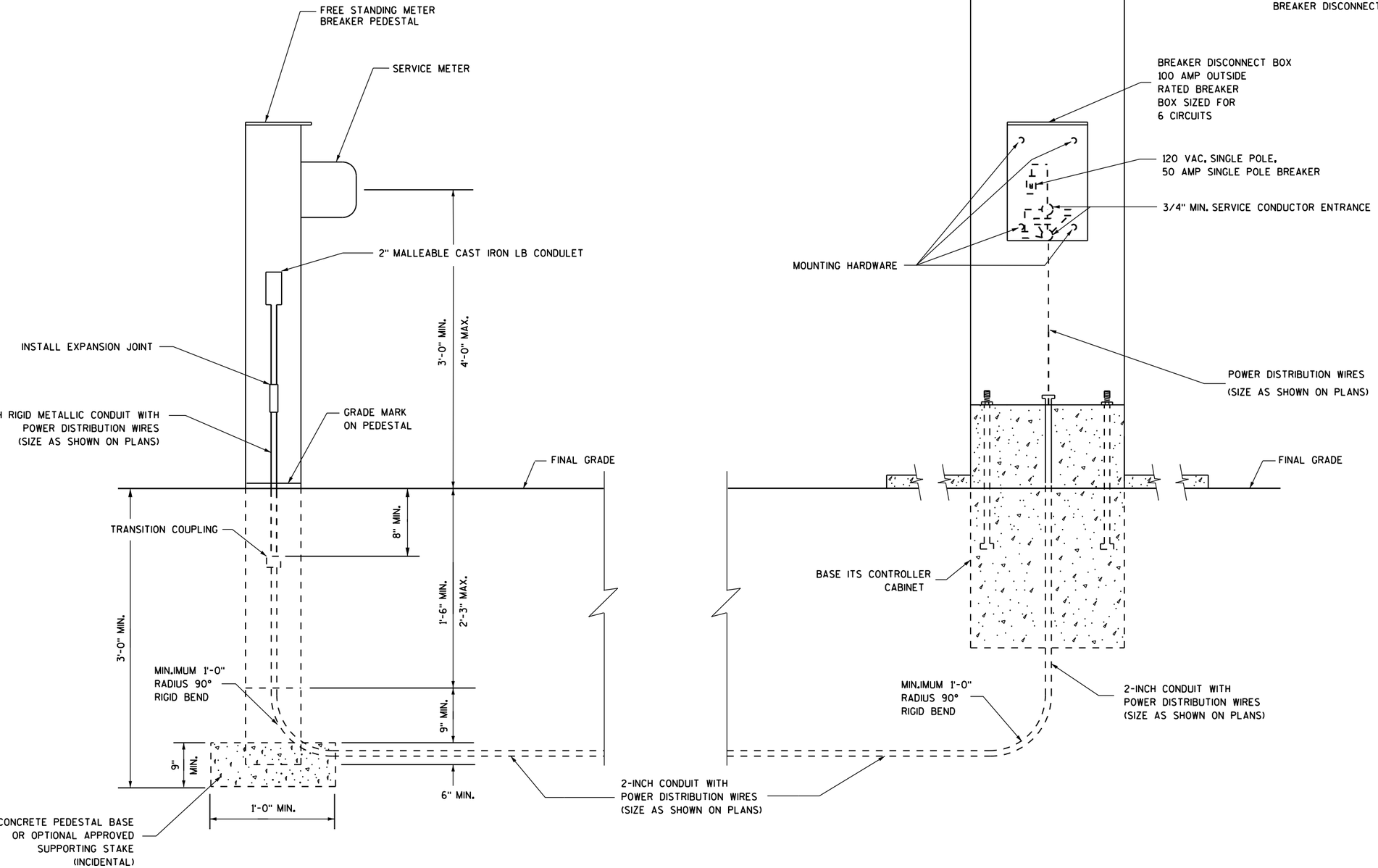
6

S.D.D. 9 H 3-1

GENERAL NOTES

MINIMUM REQUIREMENT SHOWN. ADDITIONAL BREAKERS MAY BE REQUIRED.

UP TO THREE BREAKERS WILL BE CONSIDERED INCIDENTAL TO THE ITEM BREAKER DISCONNECT BOX.

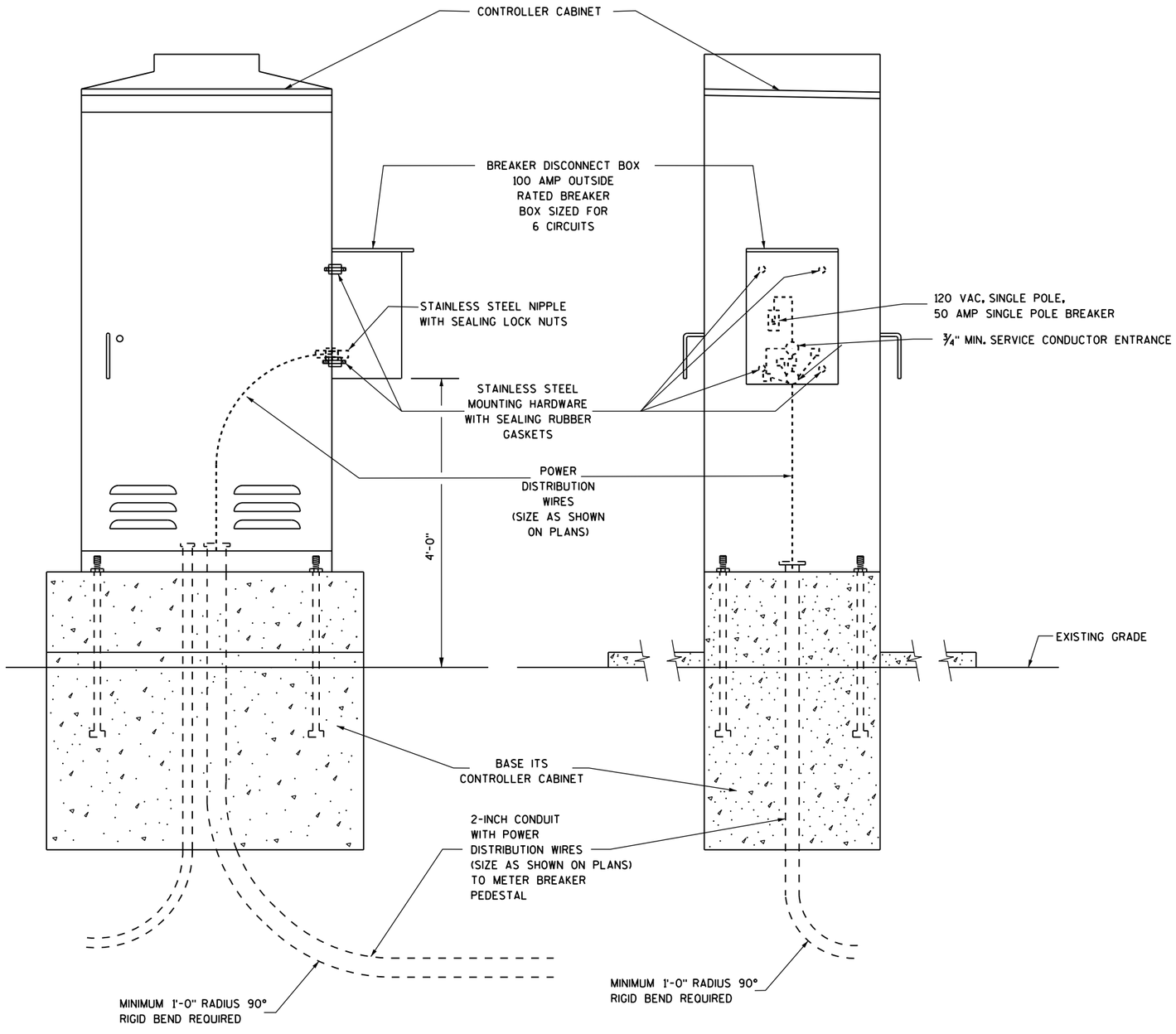


2 CIRCUIT ELECTRICAL SERVICE METER BREAKER PEDESTAL AND BREAKER DISCONNECT BOX

2 CIRCUIT ELECTRICAL SERVICE METER BREAKER PEDESTAL AND BREAKER DISCONNECT BOX	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
Sept. 2014	/S/ Ahmet Demirbilek
DATE	STATE ELECTRICAL
FHWA	

6

S.D.D. 9 H 4-1



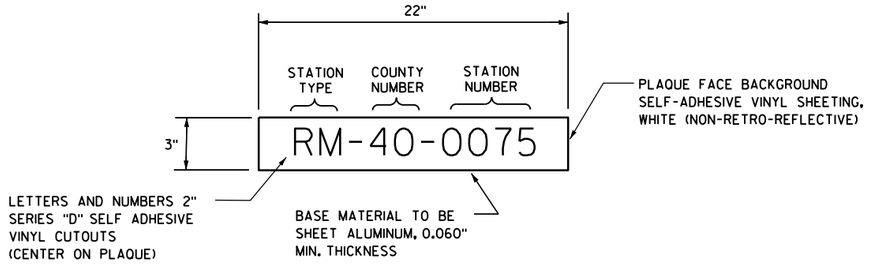
CABINET BREAKER DISCONNECT BOX INSTALLATION

GENERAL NOTES

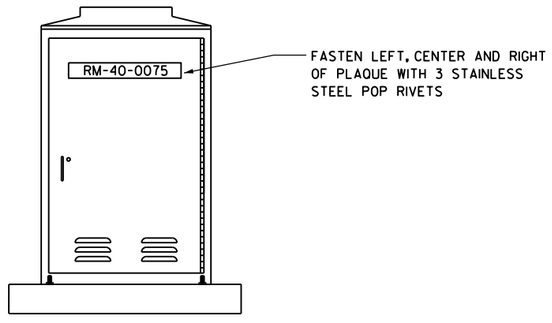
MINIMUM REQUIREMENT SHOWN. ADDITIONAL BREAKERS MAY BE REQUIRED.

UP TO THREE BREAKERS WILL BE CONSIDERED INCIDENTAL TO THE ITEM BREAKER DISCONNECT BOX.

CABINET BREAKER DISCONNECT BOX INSTALLATION	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED Sept. 2014 DATE FHWA	/S/ Ahmet Demirbilek STATE ELECTRICAL

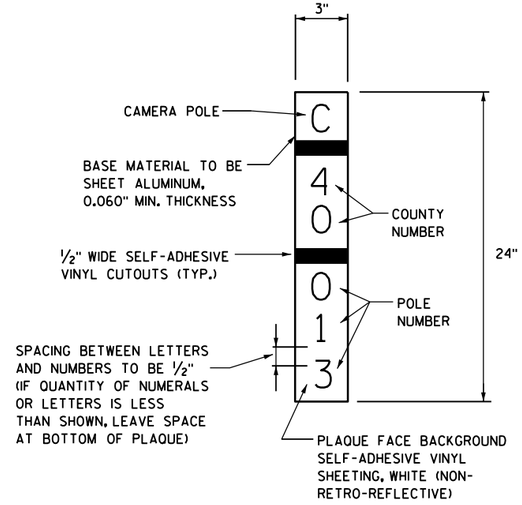


CONTROL CABINET IDENTIFICATION PLAQUE DETAIL

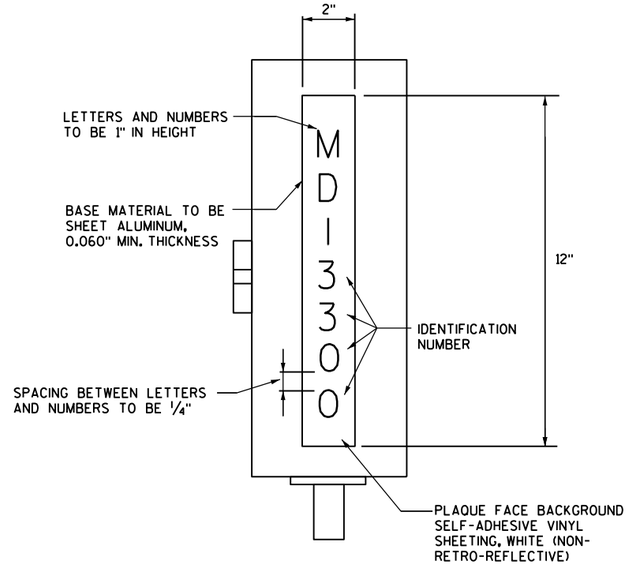


CONTROL CABINET IDENTIFICATION PLAQUE REQUIREMENTS AND PLACEMENTS

(TYPICAL ALL CONTROL CABINETS)



POLE IDENTIFICATION PLAQUE DETAIL



MICROWAVE DETECTOR FIELD CABINET IDENTIFICATION PLAQUE DETAIL

GENERAL NOTES

1. TWO PLAQUES PER CABINET REQUIRED ON CONTROL CABINET.
2. FASTEN ONE PLAQUE ON FRONT DOOR, UPPER HALF.
3. FASTEN ONE PLAQUE ON SIDE FACING LOCAL STREET. IF NO LOCAL STREET NEARBY, OR IF SUCH LOCATION COINCIDES WITH LOCATION OF PLAQUE IN NOTE (2), FASTEN PLAQUE ON REAR OF CABINET, UPPER HALF.
4. COUNTY NUMBER NOT REQUIRED ON RAMP METER CABINETS.

LEGEND STATION TYPE

RM - RAMP METER
CCTV - CLOSED CIRCUIT TELEVISION
ATR - AUTOMATIC TRAFFIC RECORDER
SDS - SYSTEM DETECTOR STATION
MD - MICROWAVE DETECTOR

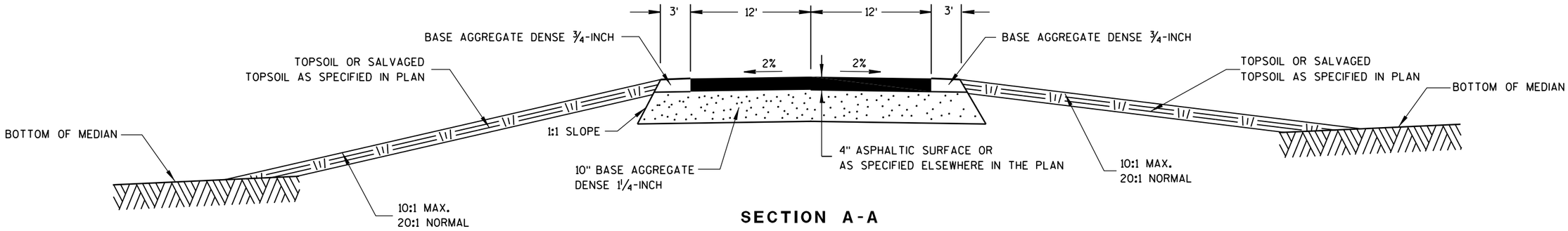
IDENTIFICATION PLAQUE REQUIREMENTS AND PLACEMENTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

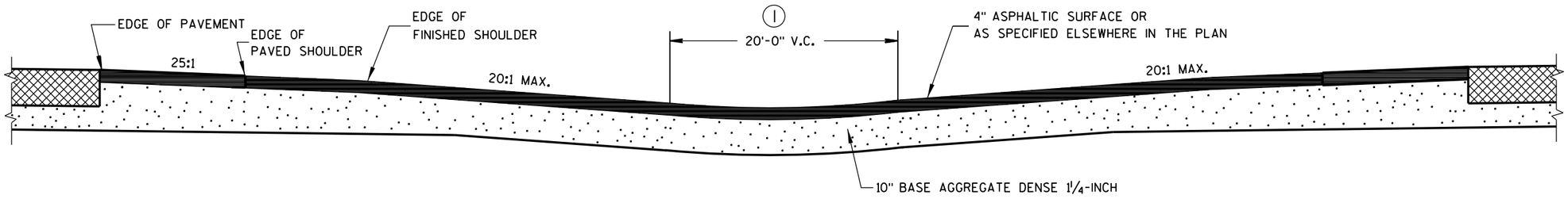
APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demribilek — STATE ELECTRICAL
FHWA

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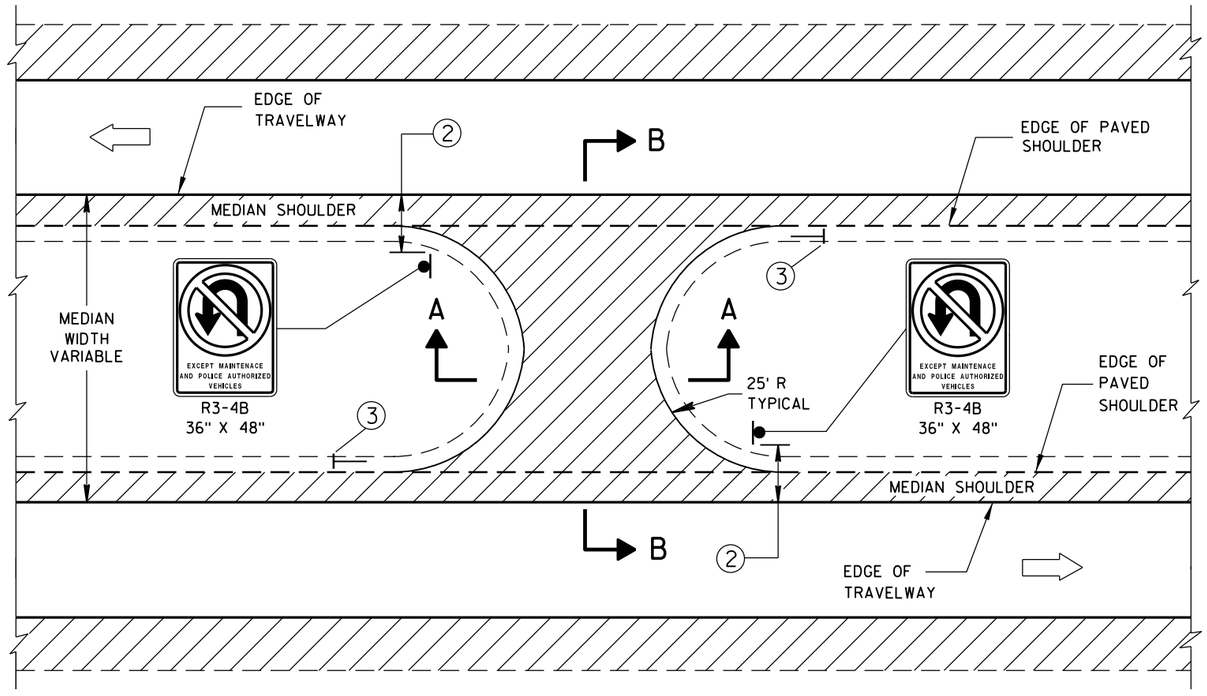
S.D.D. 9 H 11-1



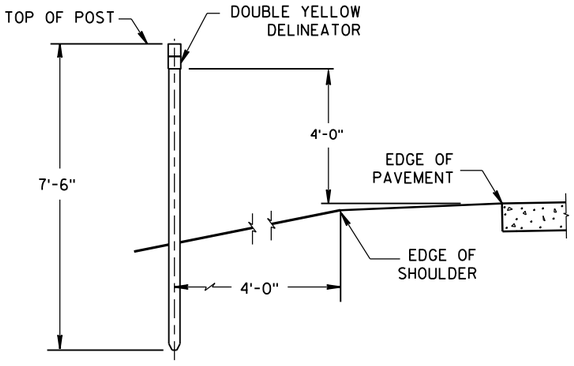
SECTION A-A



SECTION B-B



PLAN VIEW



DOUBLE YELLOW DELINEATOR INSTALLATION

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) ADJUST VERTICAL CURVE LOCATION LATERALLY TO MAINTAIN 20:1 MAX.

(2) SIGNING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

(3) INSTALL DOUBLE YELLOW DELINEATOR. SEE STANDARD DETAIL DRAWING 15A2.

MAINTENANCE CROSSOVER FOR FREEWAYS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/2013 — DATE

/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER

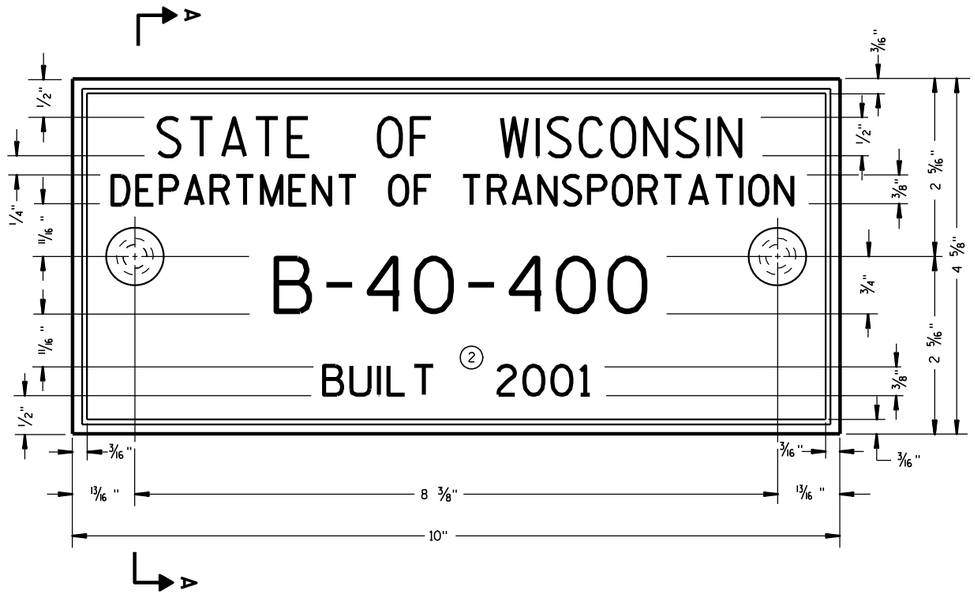
FHWA

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S.D.D. 11 A 1-5

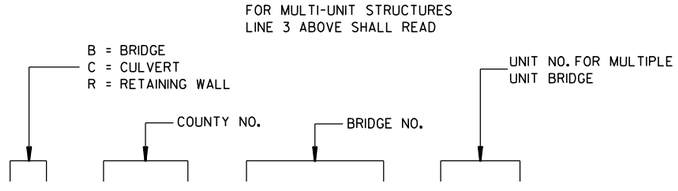
6

S.D.D. 11 A 1-5



TYPICAL NAME PLATE

(BRIDGES, CULVERTS, AND RETAINING WALLS)



NUMBERING DESIGNATION
MULTI-UNIT STRUCTURES

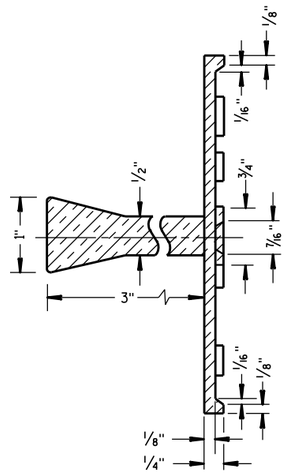
GENERAL NOTES

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.

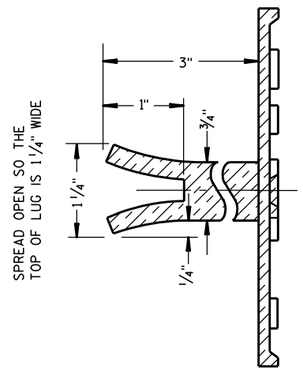
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

(1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

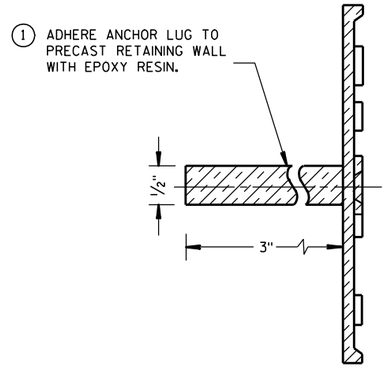
(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SECTION A-A



ALTERNATE LUG



ALTERNATE LUG

(FOR ATTACHMENT TO PRECAST STRUCTURES)

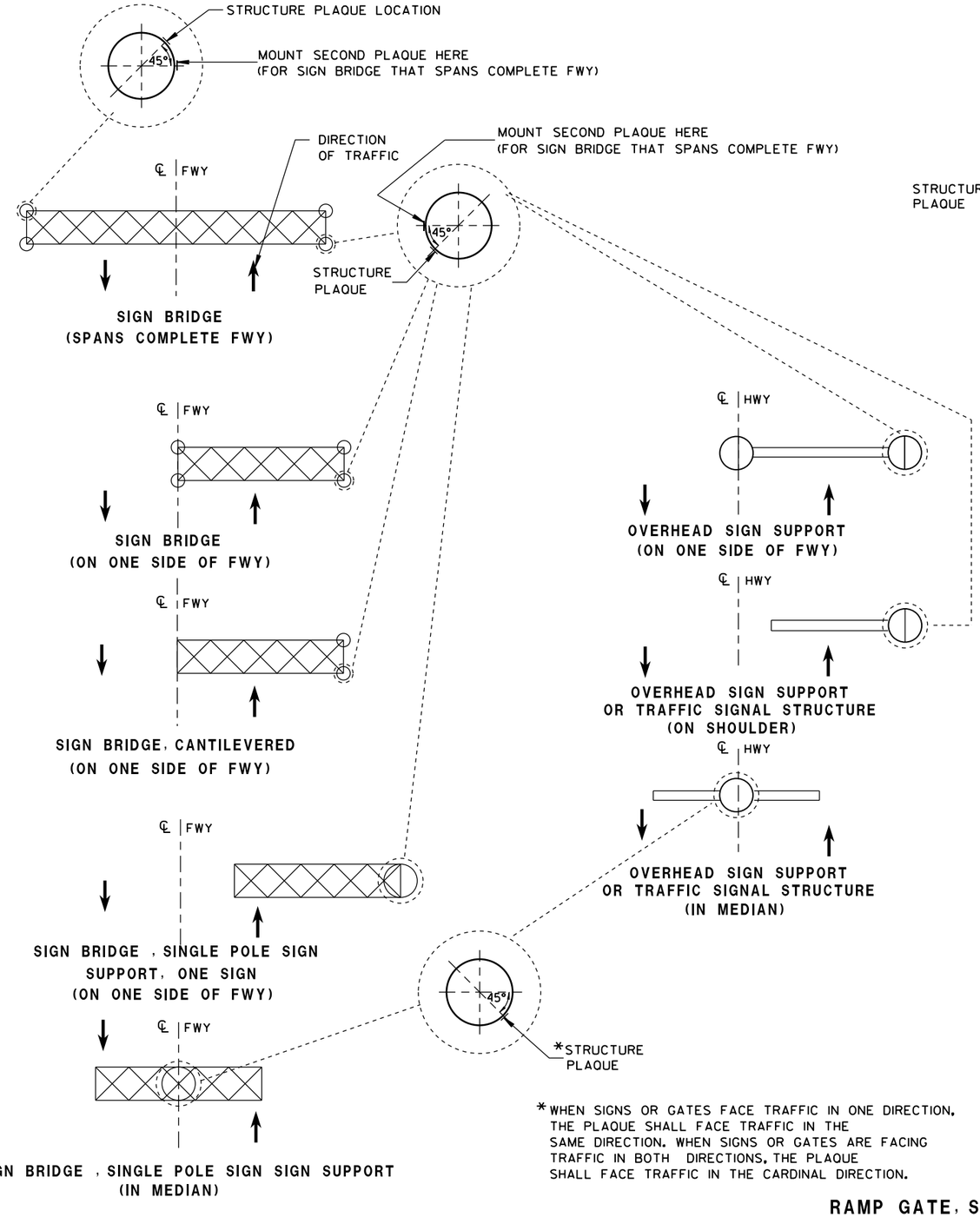
NAME PLATE (STRUCTURES)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
3/26/10 DATE	/S/ Scot Beck CHIEF STRUCTURAL DEVELOPMENT ENGINEER
FHWA	

6

S.D.D. 12 A 3-10

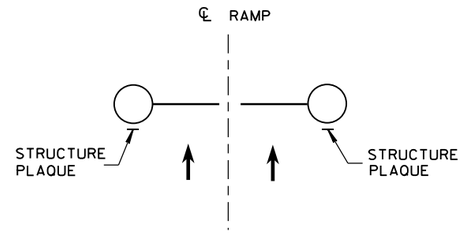
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S.D.D. 12 A 3-10

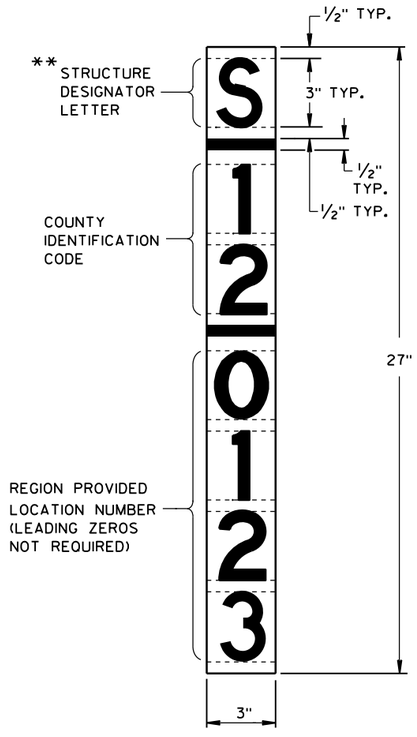


LOCATION OF RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT & TRAFFIC SIGNAL STRUCTURE PLAQUES

* WHEN SIGNS OR GATES FACE TRAFFIC IN ONE DIRECTION, THE PLAQUE SHALL FACE TRAFFIC IN THE SAME DIRECTION. WHEN SIGNS OR GATES ARE FACING TRAFFIC IN BOTH DIRECTIONS, THE PLAQUE SHALL FACE TRAFFIC IN THE CARDINAL DIRECTION.



RAMP GATE
(ACROSS FWY ON-RAMP)



** LETTER "G" UTILIZED FOR RAMP GATES. LETTER "S" UTILIZED FOR SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, AND TRAFFIC SIGNALS.

RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT AND TRAFFIC SIGNAL STRUCTURE PLAQUE FOR SIGN BRIDGES AND OVERHEAD SIGN SUPPORT WHICH ARE NOT STRUCTURE MOUNTED

GENERAL NOTES

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

PLAQUES SHALL BE INCIDENTAL TO ALL NEW INSTALLATIONS.

IF THE PROPOSED SIGN BRIDGE OR OVERHEAD SIGN SUPPORT IS REPLACING AN EXISTING SIGN BRIDGE OR OVERHEAD SIGN SUPPORT, A NEW IDENTIFICATION PLAQUE WILL BE REQUIRED.

FASTEN TOP, CENTER AND BOTTOM OF PLAQUE TO POLE OR OTHER LOCATION AS FOLLOWS:

GALVANIZED STEEL SHAFT - 3 STAINLESS STEEL POP RIVETS

A588 STEEL SHAFT - SHIM FOR DRAINAGE WITH STAINLESS WASHERS; FASTEN WITH STAINLESS SELF-TAPPING SCREWS

ALUMINUM SHAFTS - 3 ALUMINUM POP RIVETS

MOUNTING HEIGHT SHALL BE APPROXIMATELY 5.0' ABOVE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL OBSTRUCT.

PLAQUE MATERIALS:

BASE - SHEET ALUMINUM, 0.060" THICK.

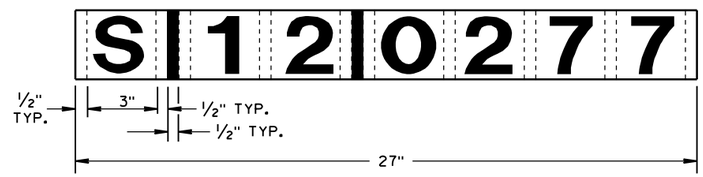
FACE - WHITE, SELF-ADHESIVE VINYL SHEETING, NON-RETROREFLECTIVE

LINES - BLACK, ½" WIDE, SELF-ADHESIVE

CHARACTERS:- BLACK, SELF ADHESIVE, SERIES "D", SIZE AS SHOWN.

FOR SIGN BRIDGES, STRUCTURE MOUNTED, THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY AS SHOWN ON THE DRAWING. THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY TO THE BACK OF THE SIGN, BETWEEN THE ALUMINUM EXTRUSIONS, NEAR THE TOP LEFT HAND CORNER OF THE SIGN. THE BASE MATERIAL SHALL BE OMITTED AND THE FACE ADHERED DIRECTLY TO THE ALUMINUM SURFACE. PRIOR TO ADHERING THE MATERIAL, THE ALUMINUM SURFACE SHALL BE SMOOTH, CLEAN AND DRY.

WHERE SIGN BRIDGE ILLUMINATION IS PROVIDED, THE STRUCTURE MUST ALSO HAVE A SIGN BRIDGE CIRCUIT PLAQUE AS SHOWN IN THE ELECTRICAL DETAILS.



IDENTIFICATION PLAQUE FOR SIGN BRIDGE, STRUCTURE MOUNTED

STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, & TRAFFIC SIGNALS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

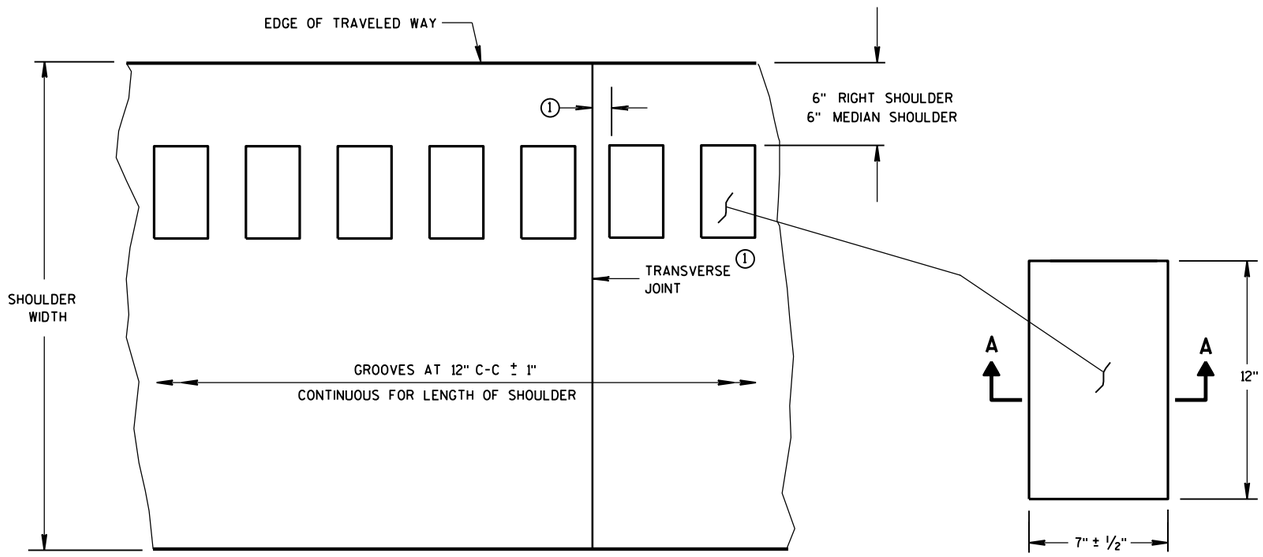
APPROVED
12/4/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 12 A 4-3

6

S.D.D. 12 A 4-3



PLAN VIEW
SHOULDER WITH GROOVES

PLAN VIEW
(SINGLE GROOVE)

PLACEMENT DETAIL FOR MILLED RUMBLE STRIP

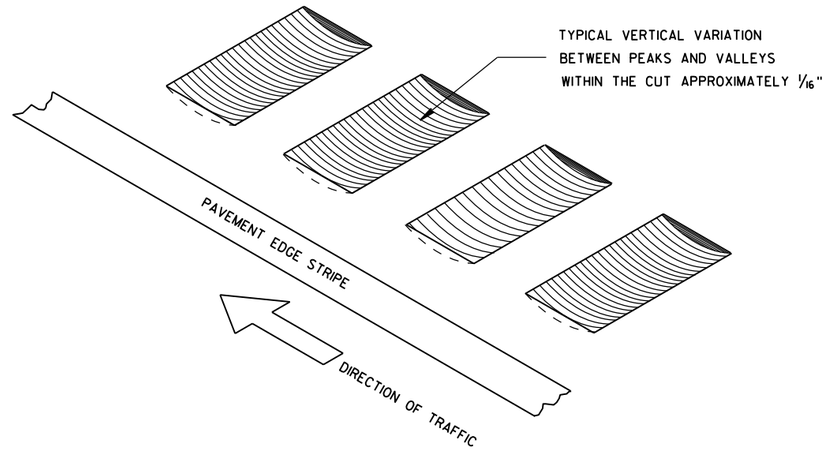
GENERAL NOTES

DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

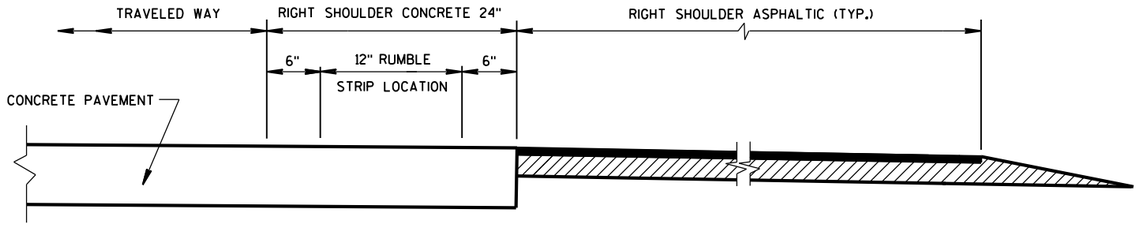
RUMBLE STRIPS ON EXPRESSWAYS

DO NOT INSTALL RUMBLE STRIPS ACROSS SIDE ROAD INTERSECTIONS, COMMERCIAL DRIVEWAYS, PRIVATE DRIVEWAYS OR ADJACENT TO RIGHT TURN LANES, LEFT TURN LANES, TURN LANE TAPERS, BRIDGE DECKS, BRIDGE APPROACHES, OR 100 FEET IN ADVANCE OF RAILROAD CROSSING. THE ATTACHED STANDARD DETAIL DRAWING SHOWS THE LOCATION OF THE RUMBLE STRIPS AT INTERCHANGE AREAS.

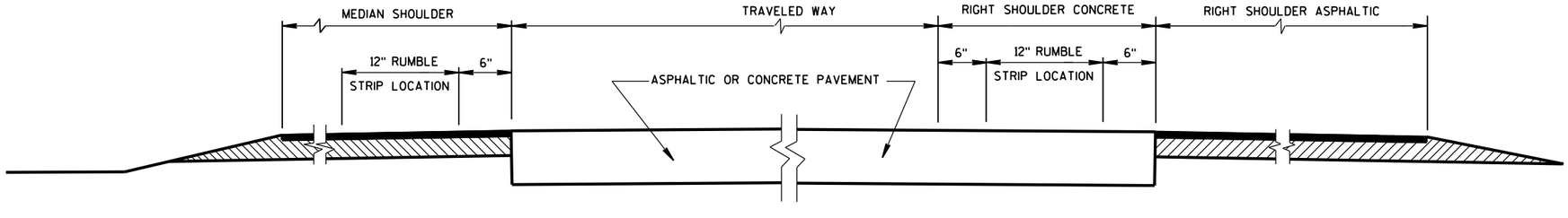
(1) CONCRETE PAVEMENT - RUMBLE STRIPS SHALL BE A MINIMUM OF 6" AWAY FROM TRANSVERSE JOINTS.



ISOMETRIC



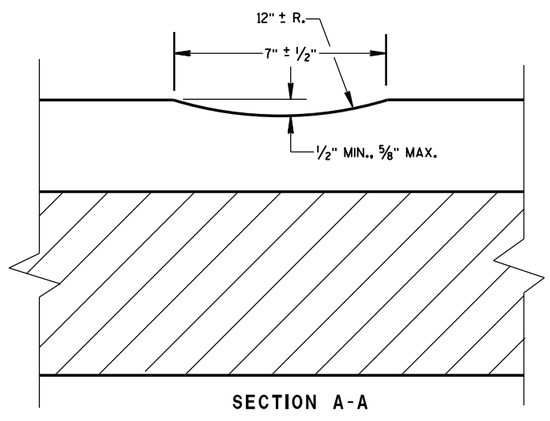
SECTION VIEW
CONCRETE PAVEMENT EXTENDS INTO RIGHT SHOULDER)



SECTION VIEW

TYPICAL LOCATIONS OF SHOULDER RUMBLE STRIPS IN RURAL DIVIDED HIGHWAYS

(ONE ROADWAY IS SHOWN)



SECTION A-A

SHOULDER RUMBLE STRIP, MILLING

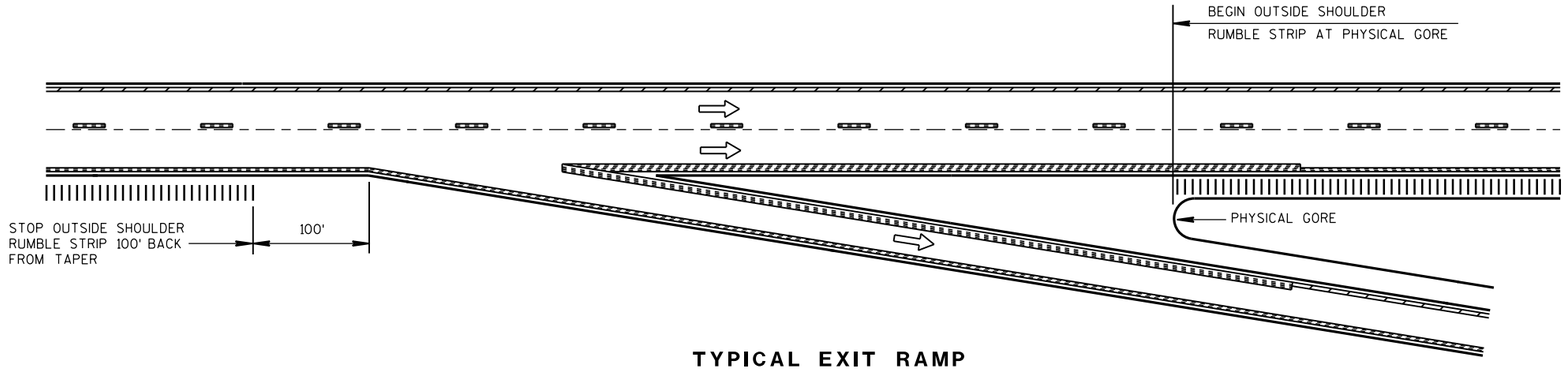
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 13 A 5-5a

6

S.D.D. 13 A 5-5a



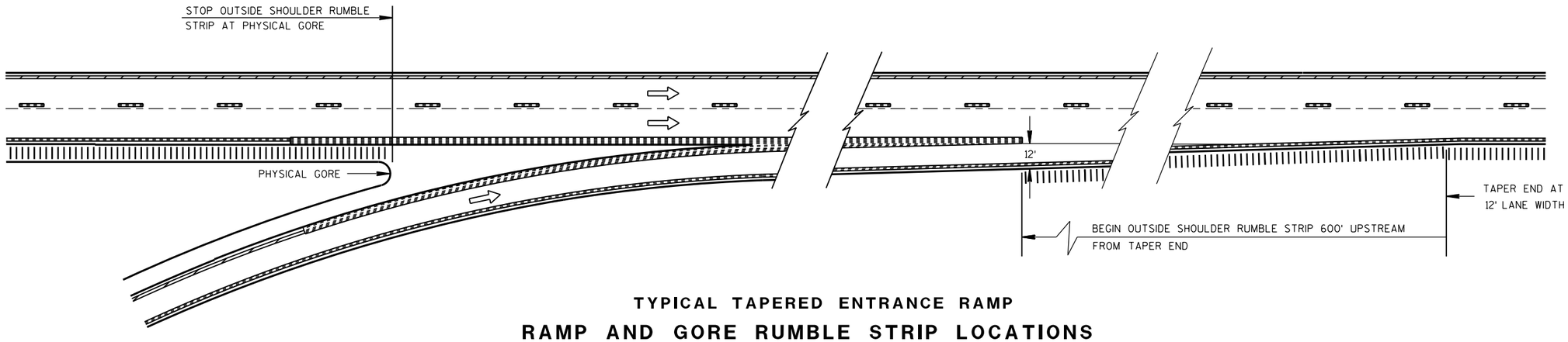
TYPICAL EXIT RAMP

NOTES:

NO RUMBLE STRIP ON EXIT, DIRECTIONAL, OR ENTRANCE RAMPS, EXCEPT NEAR THE ENTRANCE TAPER END AND ALONG THE PARALLEL RAMP AREA AS SHOWN.

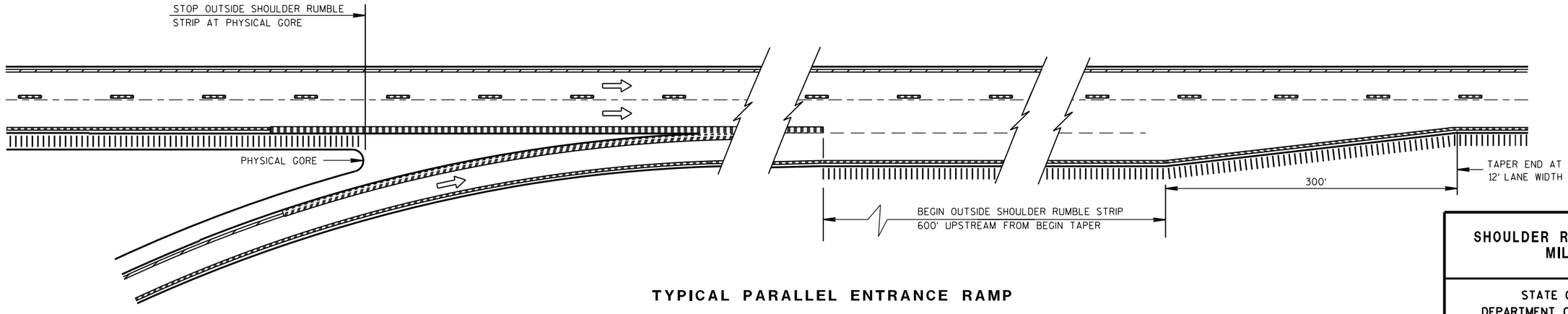
PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

NOTE:
ARROW SYMBOL (⇨)
SHOWS DIRECTION OF TRAVEL



TYPICAL TAPERED ENTRANCE RAMP

RAMP AND GORE RUMBLE STRIP LOCATIONS



TYPICAL PARALLEL ENTRANCE RAMP

RAMP AND GORE RUMBLE STRIP LOCATIONS

SHOULDER RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

12/17/2012
DATE

/S/ Jerry H. Zoga
ROADWAY STANDARDS ENGINEER

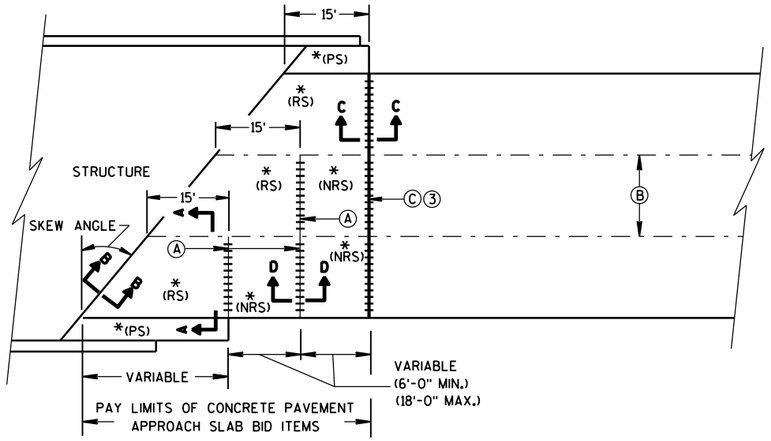
FHWA

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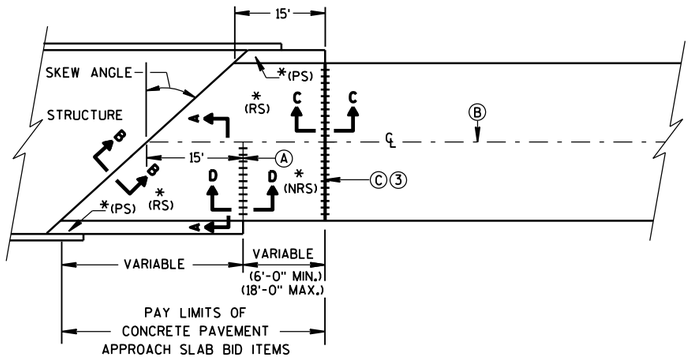
S.D.D. 13 A 5-5b

6

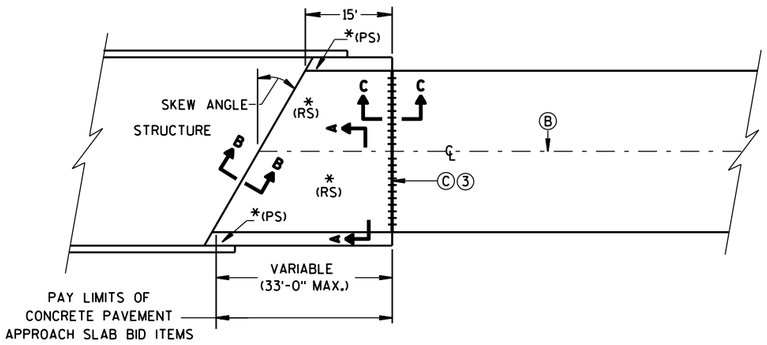
S.D.D. 13 A 5-5b



SKEWED APPROACH
(PAVEMENT MORE THAN 2 LANES)



SKEWS >20°
(PAVEMENT WIDTH ≤30')



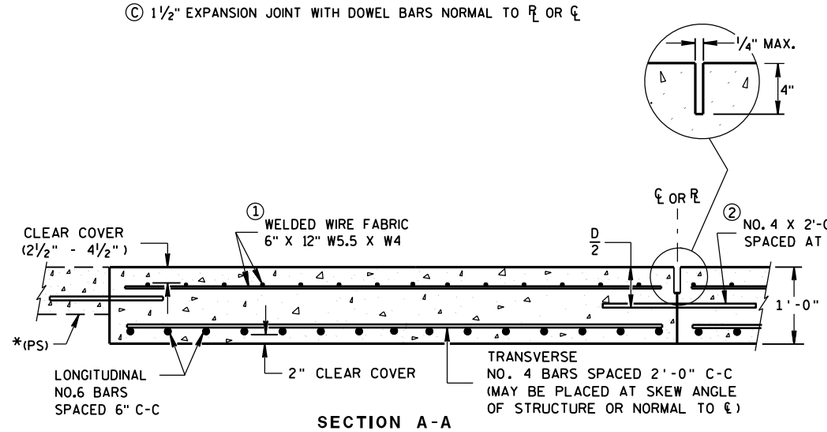
SKEWS ≤20°
(PAVEMENT WIDTH ≤30')

APPROACH SLAB AND ADJACENT PAVEMENT

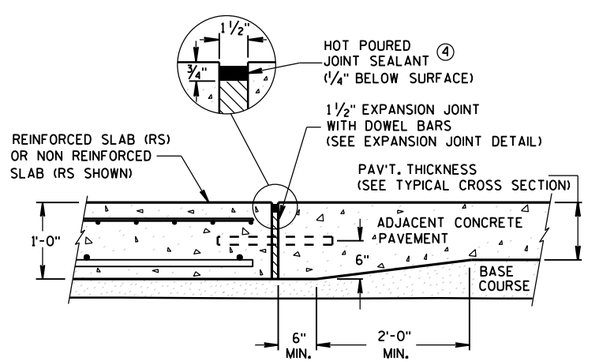
*(RS) = REINFORCED CONCRETE SLAB
*(PS) = PAVED CONCRETE SHOULDER OR CONCRETE DRAINAGE SLAB
(SEE DETAILS ELSEWHERE IN THE PLAN)
*(NRS) = NON-REINFORCED CONCRETE SLAB

***STANDARD DOWEL BAR DIAMETER
(SEE SDD 13C11, & SDD 13C13)

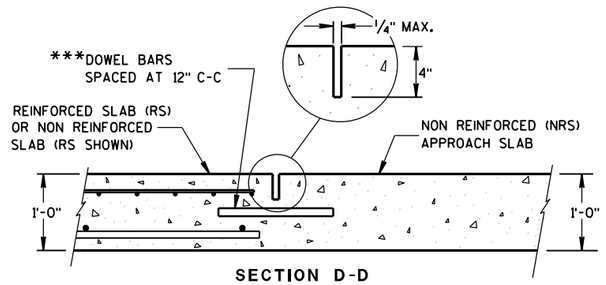
(A) STANDARD CONTRACTION JOINT NORMAL TO ℄ OR ℄
(B) STANDARD LONGITUDINAL JOINT WITH TIE BARS.
(C) 1½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℄



SECTION A-A
REINFORCEMENT POSITIONING DETAIL



SECTION C-C
TRANSITION DETAIL
APPROACH SLAB TO ADJACENT PAVEMENT



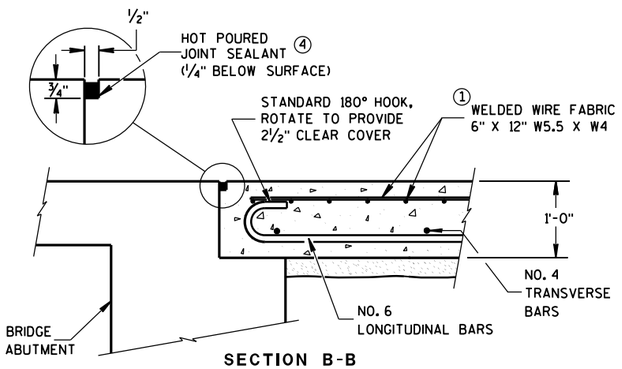
SECTION D-D
CONTRACTION JOINT

GENERAL NOTES

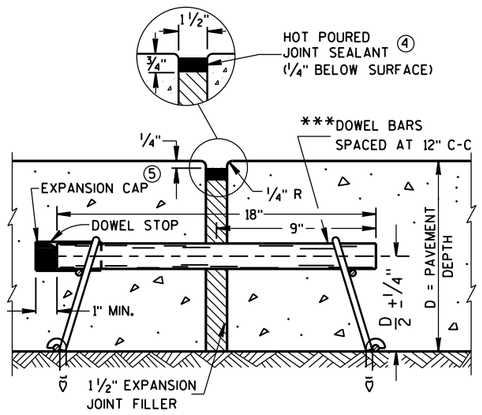
THE CONTRACTOR MAY SPLICE NO. 6 BARS IN THE APPROACH SLAB FOR SKEWED STRUCTURES ONLY. STAGGER SPLICES WITH A MAXIMUM OF ONE SPLICE PER BAR. THE LENGTH OF LAP IS 20 INCHES.

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 TIE 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 MEETING THE REQUIREMENTS OF ASTM D6690.
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.



SECTION B-B
BEND DETAIL
BOTTOM REINFORCEMENT



EXPANSION JOINT DETAIL

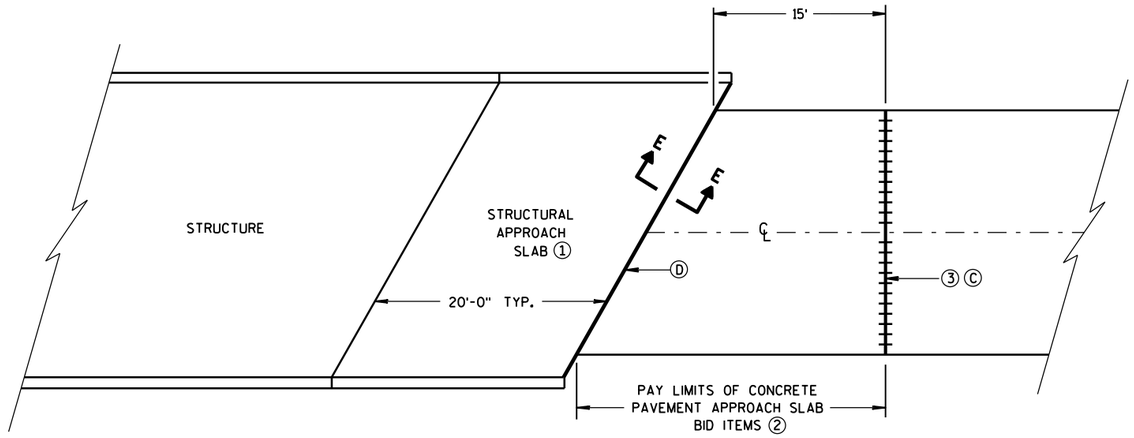
CONCRETE PAVEMENT APPROACH SLAB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June. 2015
DATE
/S/ Peter Kemp, P.E.
PAVEMENT SUPER
FHWA

6
S.D.D. 13 B 2-8a

BRIDGE APPROACHES



GENERAL NOTES

ALL PROJECTS THAT INVOLVE A STRUCTURAL APPROACH SLAB WILL ALSO HAVE A CONCRETE PAVEMENT APPROACH SLAB.

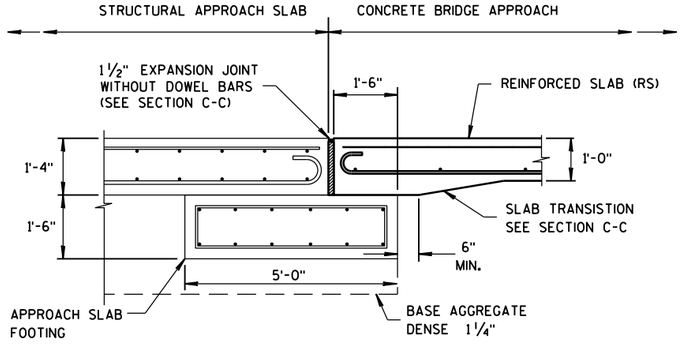
① SEE BRIDGE PLAN.

② CONFORM TO SHEET 13 B 2(A) FOR CONCRETE PAVEMENT APPROACH SLAB DETAILS.

③ DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING AN HMA PAVEMENT.

Ⓒ 1½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℄

Ⓓ 1½" 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

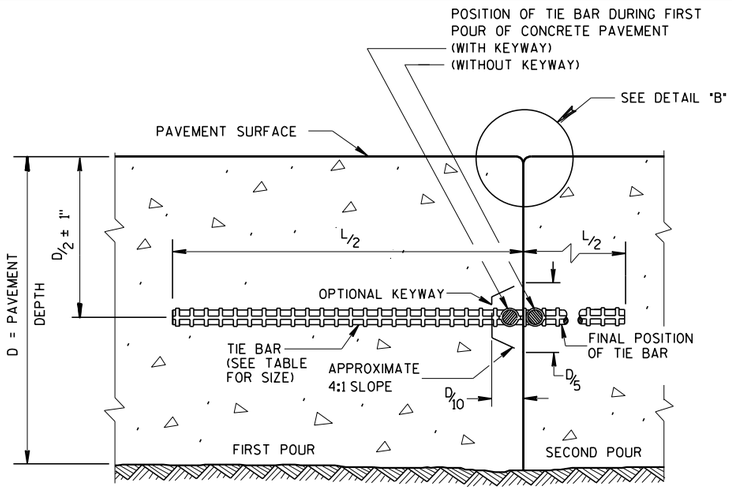
June, 2015
DATE

/S/ Peter Kemp, P.E.
PAVEMENT SUPERV

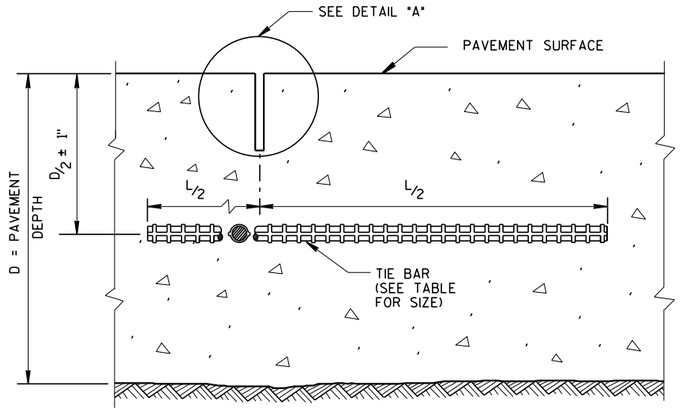
FHWA

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S.D.D. 13 B 2-8b



CONSTRUCTION JOINT



SAWED JOINT

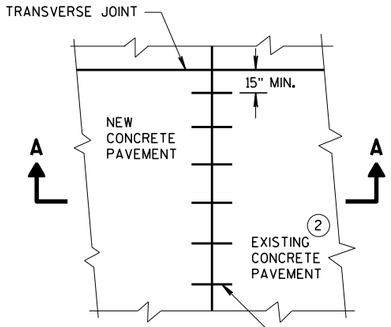
GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

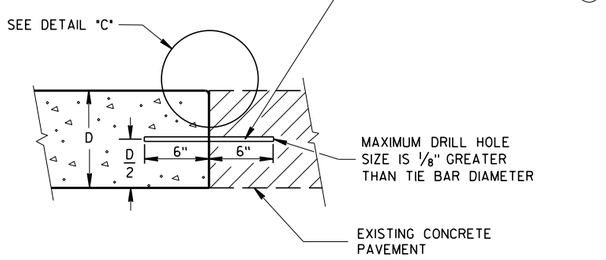
CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

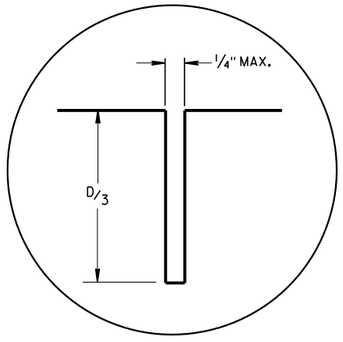


PLAN VIEW

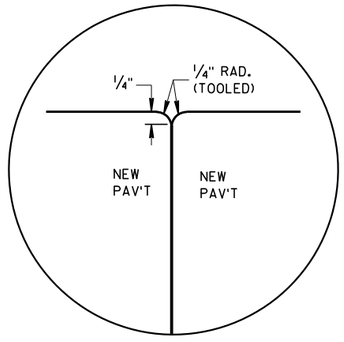


SECTION A-A

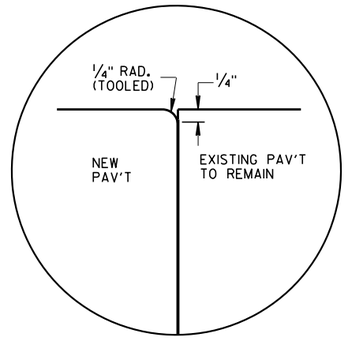
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT



DETAIL "A"



DETAIL "B"



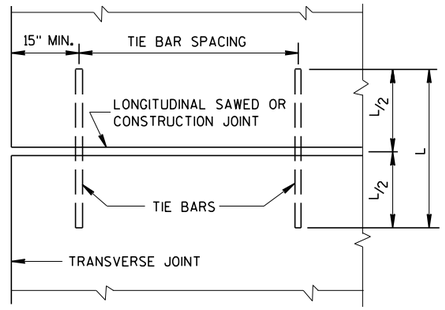
DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



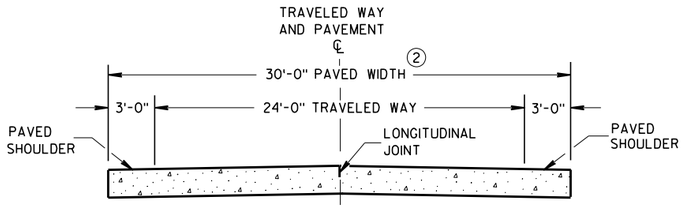
PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT
LONGITUDINAL JOINTS AND TIES

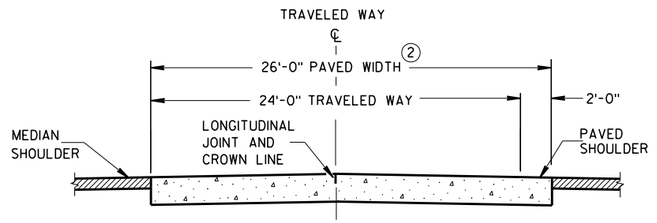
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE
/S/ Peter Kemp, P.E.
PAVEMENT SUPE
FHWA

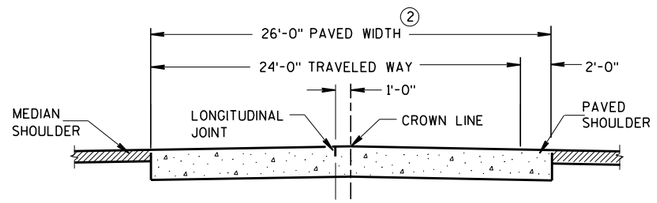
6
S.D.D. 13 C 1-19



SECTION A-A
TWO-LANE TWO-WAY HIGHWAY (1)



SECTION B-B



ALTERNATIVE SECTION B-B
(1)
DIVIDED HIGHWAY

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 AND A MAXIMUM OF 18 INCHES FROM THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

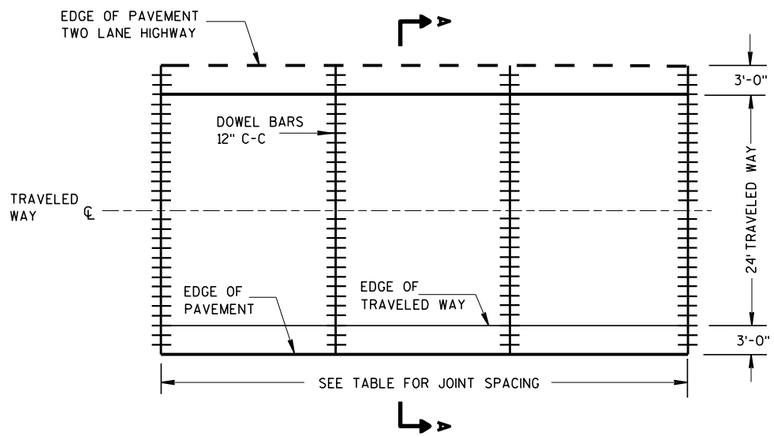
LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

(1) REFER TO TYPICAL CROSS SECTIONS FOR ADDITIONAL DETAILS.

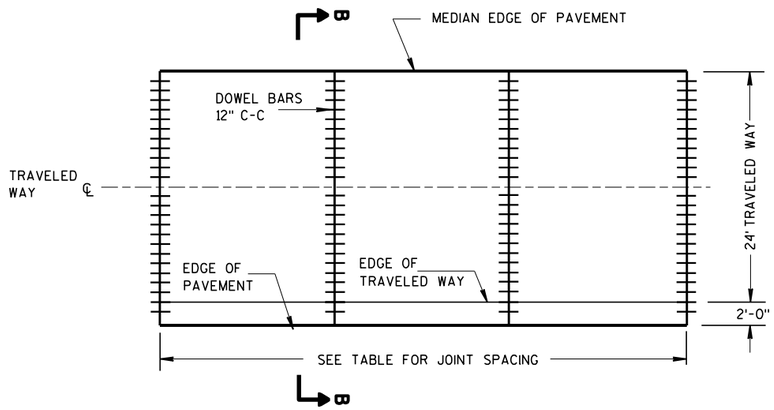
(2) MEASURE THE ENTIRE PAVED WIDTH INCLUDING THE PORTION(S) LABELED PAVED SHOULDER AS CONCRETE PAVEMENT.

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'



CONTRACTION JOINT LAYOUT
FOR TWO-LANE TWO-WAY HIGHWAY



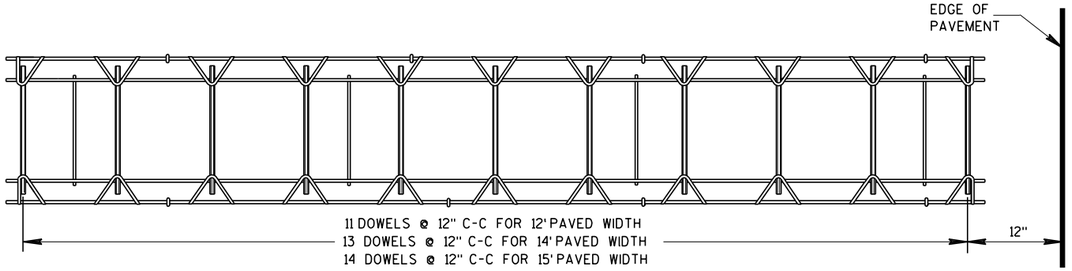
CONTRACTION JOINT LAYOUT
FOR DIVIDED HIGHWAY

RURAL DOWELED CONCRETE PAVEMENT

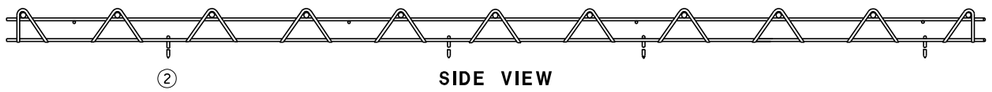
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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S.D.D. 13 C 11-12a
S.D.D. 13 C 11-12a



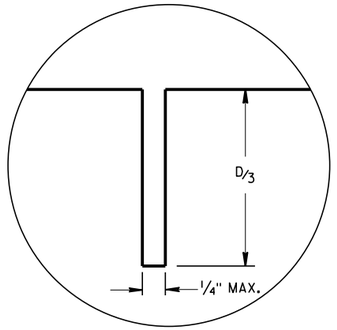
PLAN VIEW



SIDE VIEW

(NORMAL TO CENTERLINE)

CONTRACTION JOINT DOWEL ASSEMBLY ①



JOINT DETAIL

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 CONSTRUCTING 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.

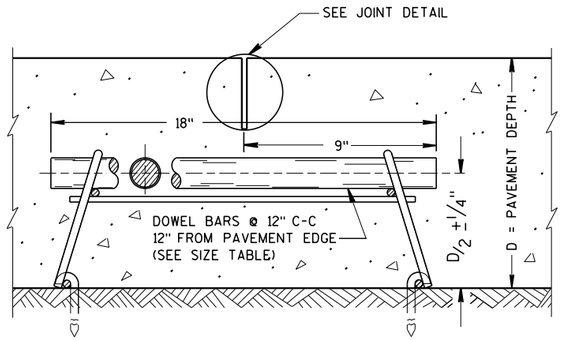
③ FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A 1/4-INCH RADIUS AT FORMED JOINTS.

④ PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

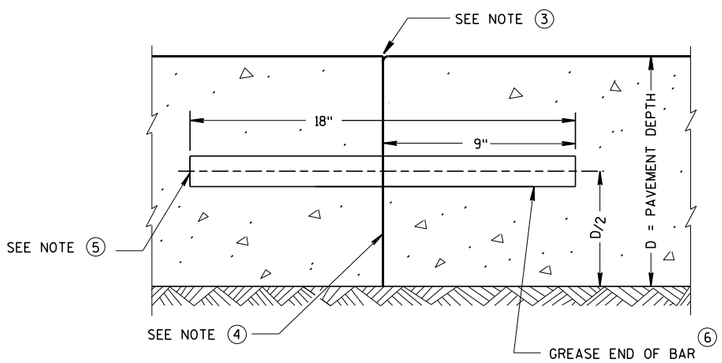
⑤ INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C-C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO *DRILLED DOWEL BAR CONSTRUCTION JOINT* DETAIL.

⑥ APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

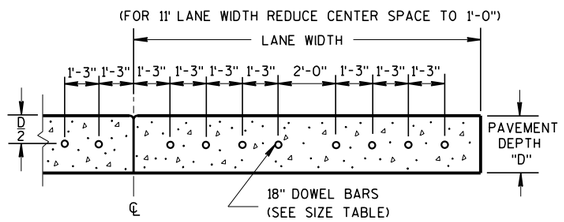
⑦ ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS 1/8-INCH GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



DOWELED CONTRACTION JOINT



TRANSVERSE CONSTRUCTION JOINT



DRILLED DOWEL BAR CONSTRUCTION JOINT ⑦

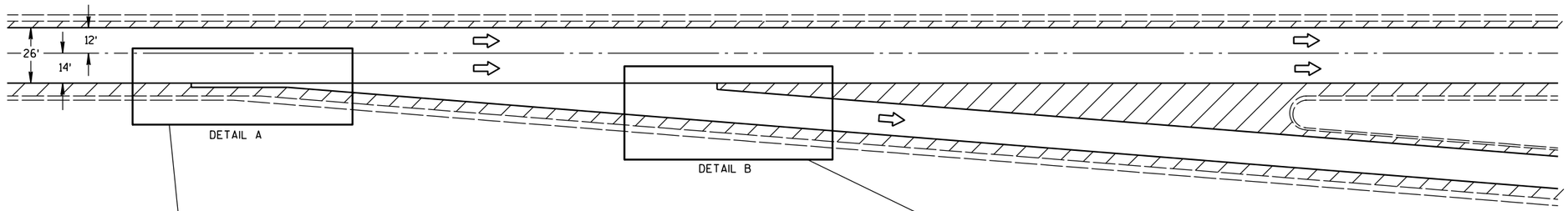
RURAL DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

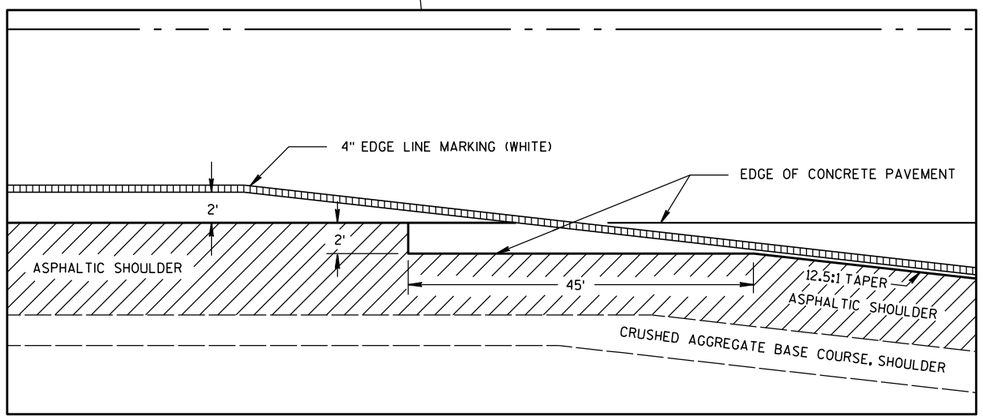
APPROVED
March 2018 — DATE
/S/ Peter Kemp P.E. — PAVEMENT SUP
FHWA

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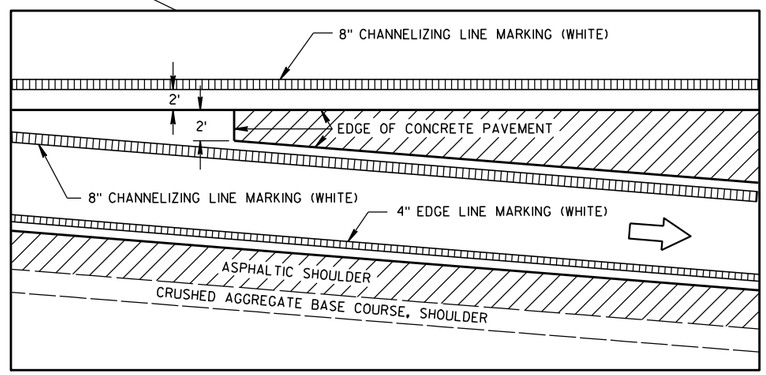
S.D.D. 13 C 11-12b



EXIT RAMP DETAIL



DETAIL A



DETAIL B

CONCRETE JOINT PAVING DETAILS

GENERAL NOTES

PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

SEE SDD 13 A 4-4c OR SDD 13 A 5-1b FOR RAMP AND GORE RUMBLE STRIP LOCATION.

CONCRETE JOINT DETAIL FOR EXIT RAMP TERMINI

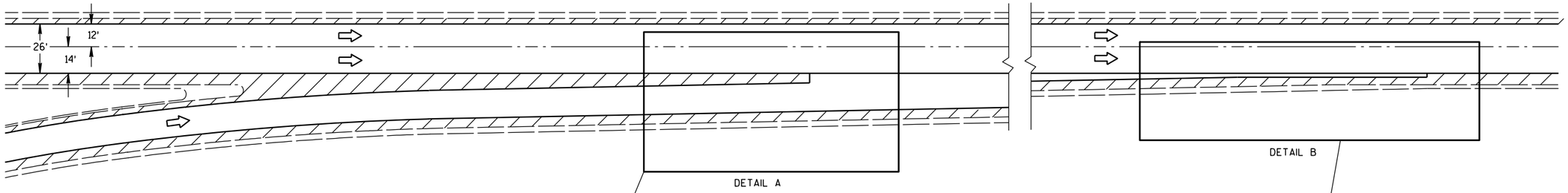
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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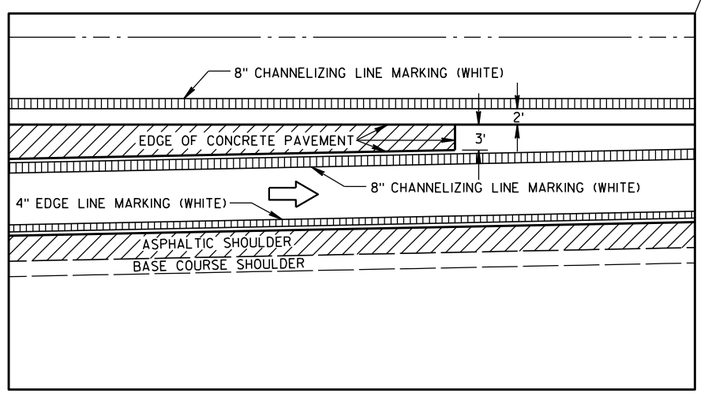
S.D.D. 13 C 17-1a

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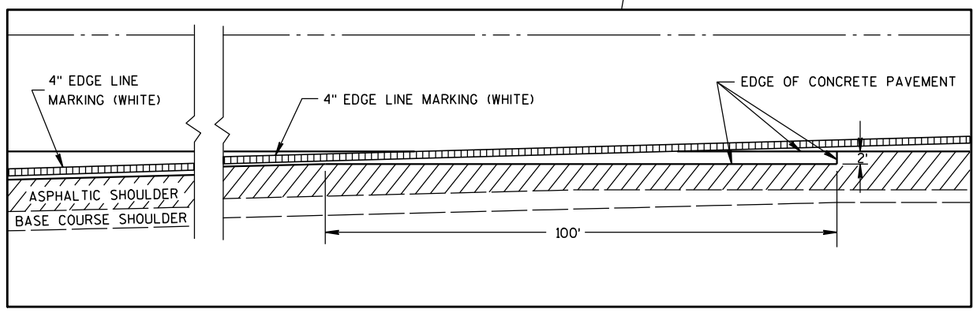
S.D.D. 13 C 17-1a



ENTRANCE RAMP DETAIL



DETAIL A



DETAIL B

CONCRETE JOINT PAVING DETAILS

GENERAL NOTES

PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

SEE SDD 13 A 4-4c OR SDD 13 A 5-1b FOR RAMP AND GORE RUMBLE STRIP LOCATION.

CONCRETE JOINT DETAIL FOR ENTRANCE RAMP TERMINI

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

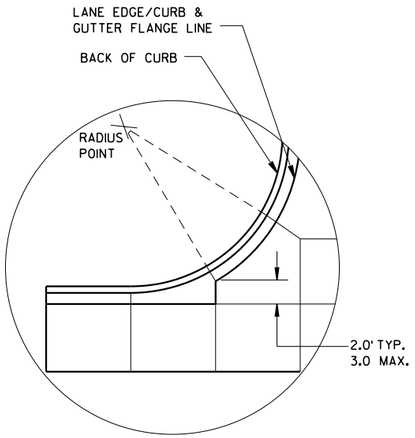
5/27/98
DATE

/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER

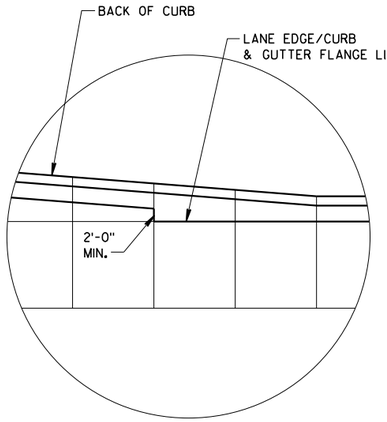
FHWA

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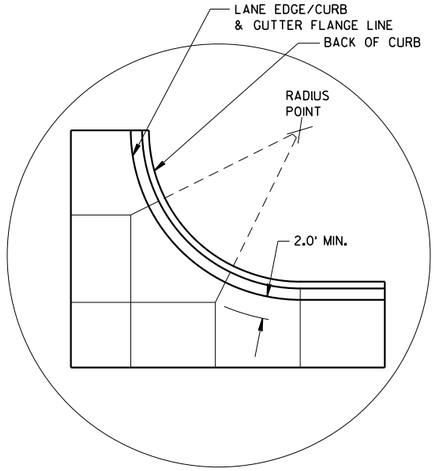
S.D.D. 13 C 17-1b



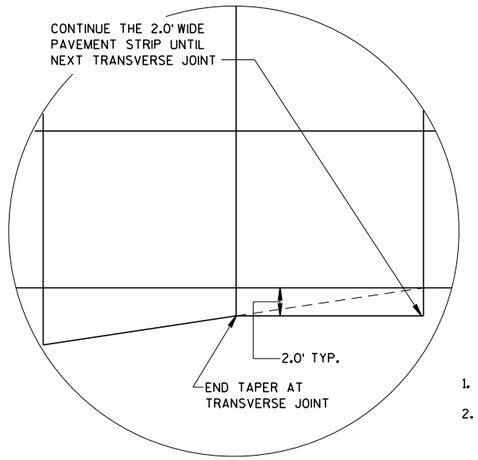
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G. MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

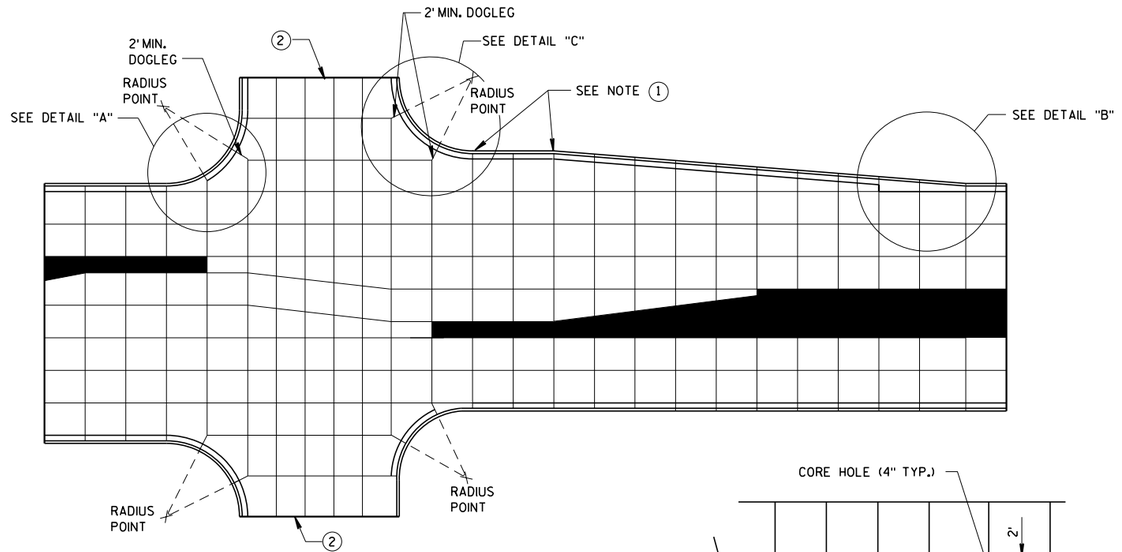
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

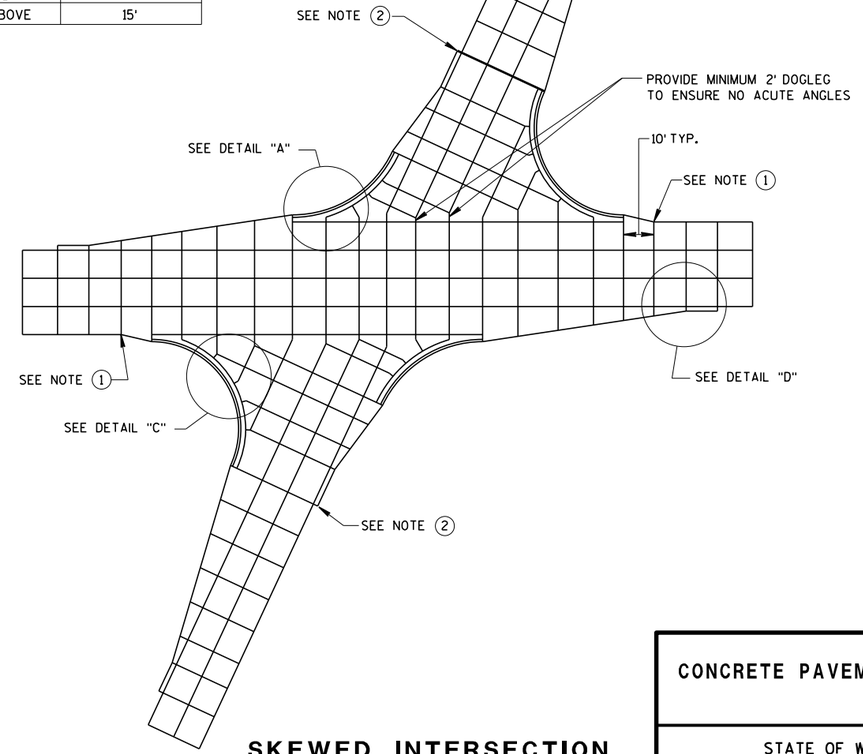
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



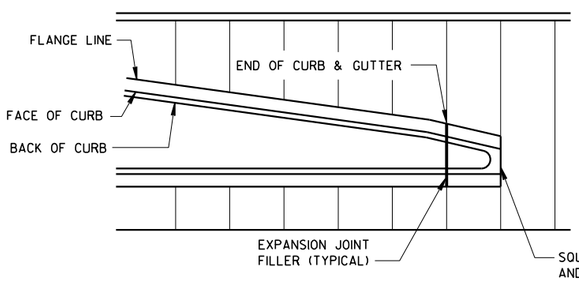
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

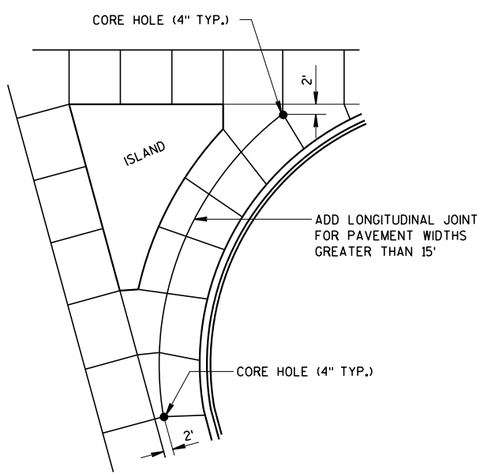
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6½"	12'
7", 7½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
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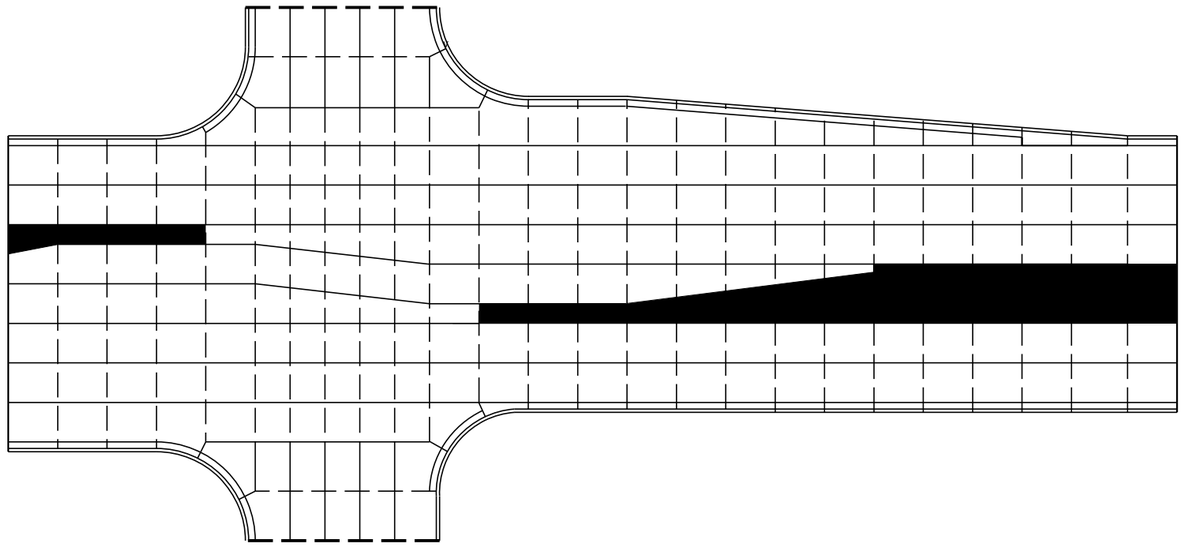
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S.D.D. 13 C 18-6a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

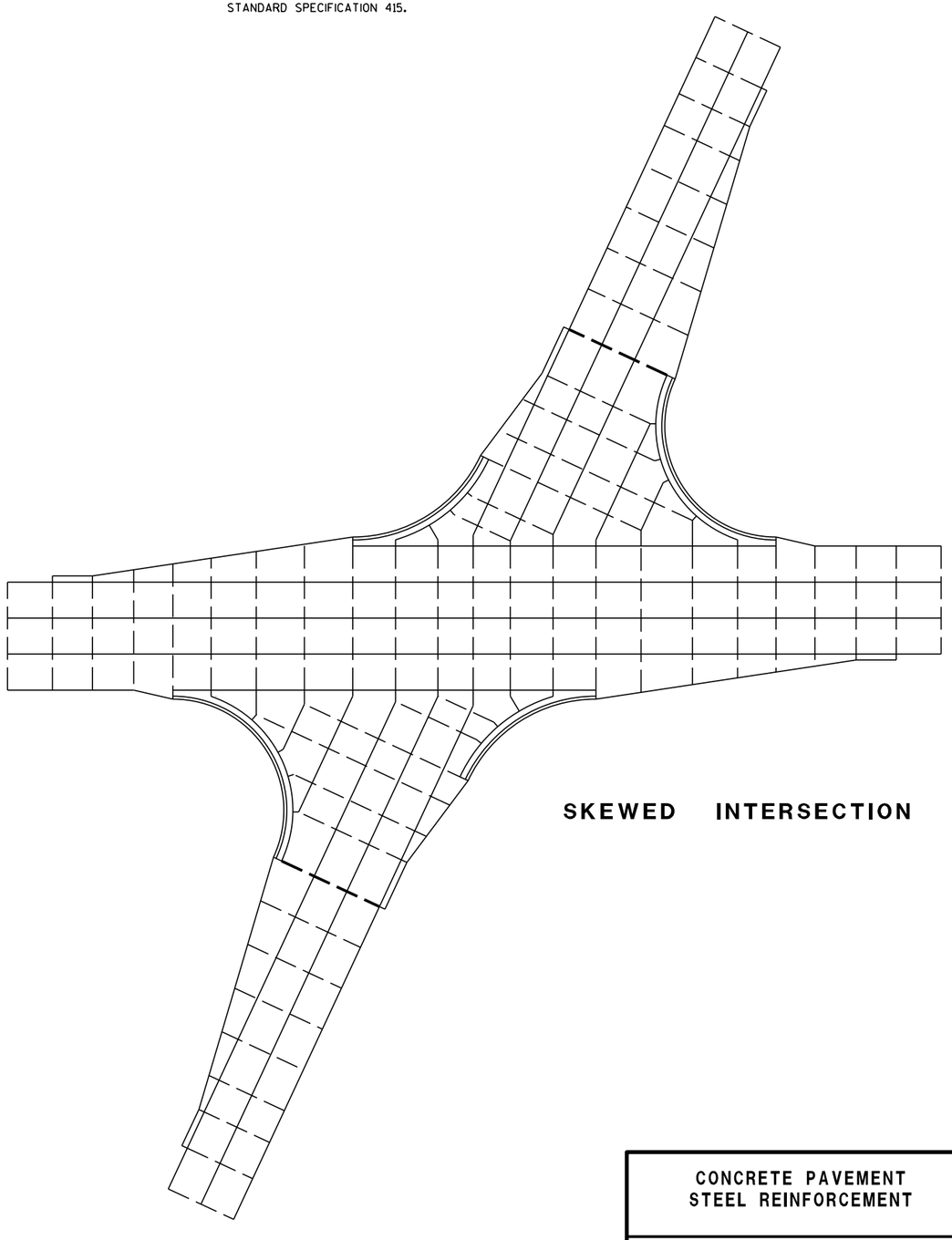
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

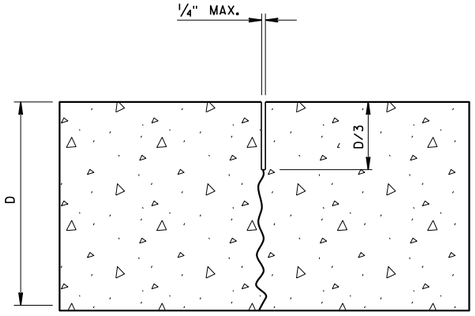
S.D.D. 13 C 18-6b

CONCRETE PAVEMENT
STEEL REINFORCEMENT

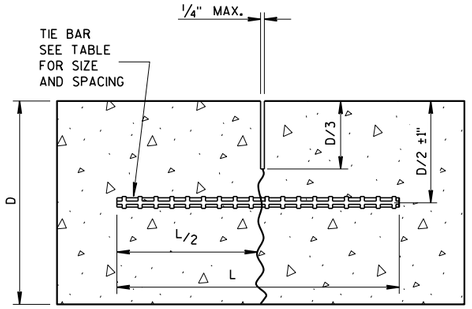
STATE OF WISCONSIN
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S.D.D. 13 C 18-6b



UNDOWELED-TRANSVERSE



TIED LONGITUDINAL

TIE BAR TABLE

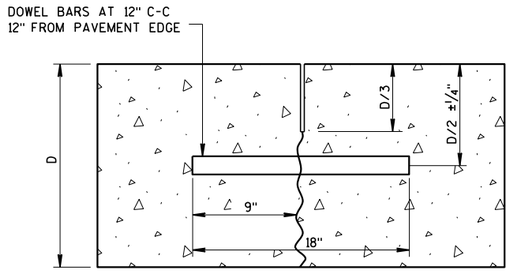
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* 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.

GENERAL NOTES

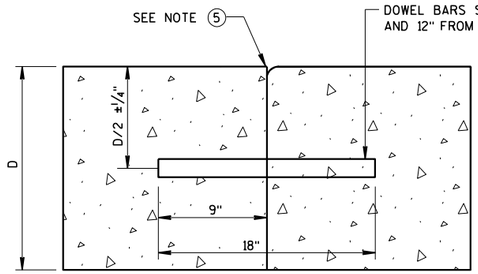
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATE THE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 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 1/4-INCH RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



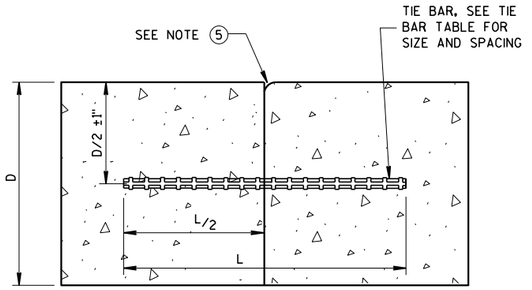
DOWELED-TRANSVERSE

CONTRACTION JOINTS

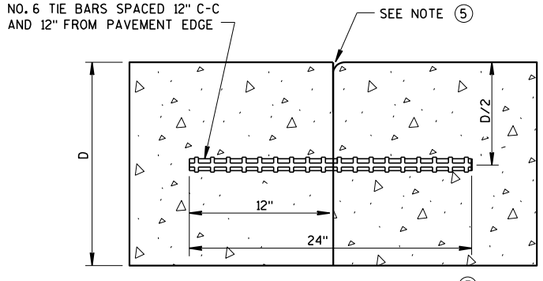
SEE NOTE (2)



DOWELED TRANSVERSE (3)

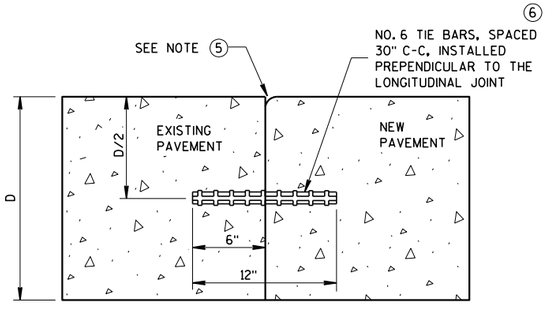


TIED LONGITUDINAL



TIED TRANSVERSE (3)

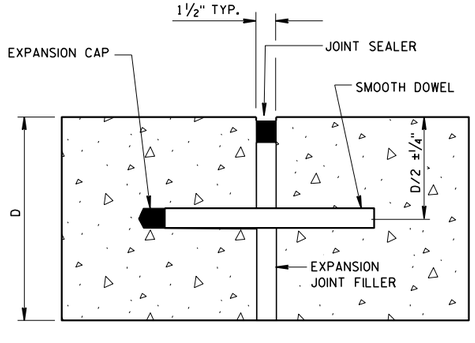
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

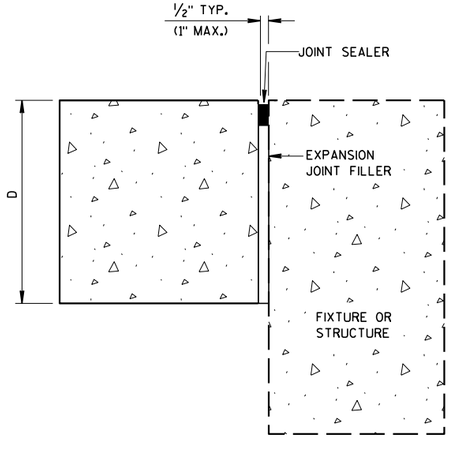
CONSTRUCTION JOINTS

SEE NOTE (4)



DOWELED-TRANSVERSE

SEE NOTE (1)



UNTIED-LONGITUDINAL

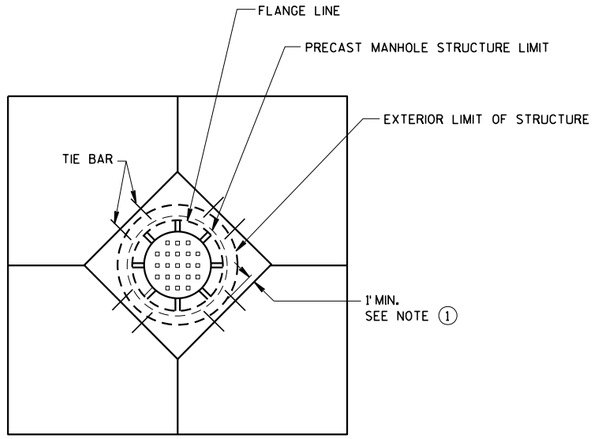
EXPANSION JOINTS

CONCRETE PAVEMENT
JOINT TYPES

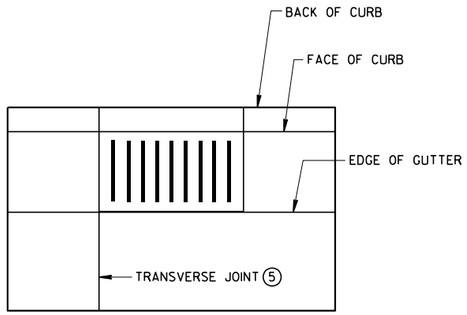
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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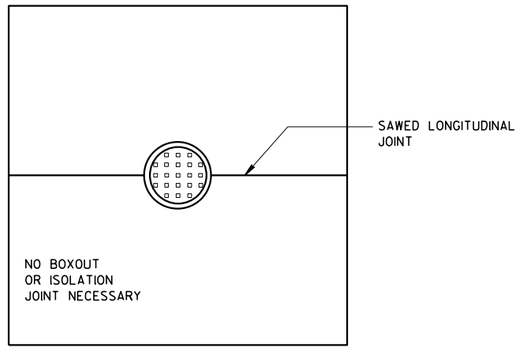
S.D.D. 13 C 18-6c



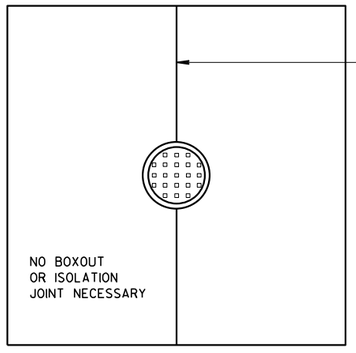
DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS



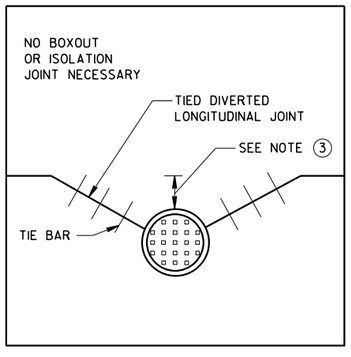
INLET WITH TRANSVERSE JOINT



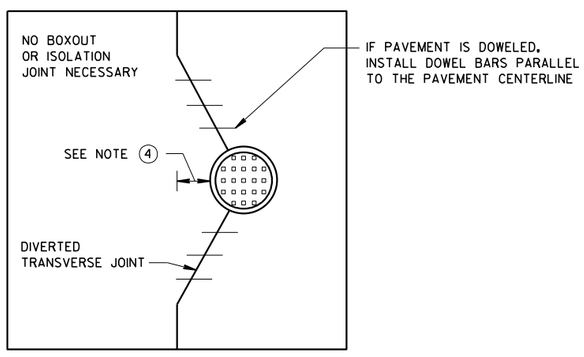
MANHOLE WITH LONGITUDINAL JOINT



MANHOLE WITH TRANSVERSE JOINT



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION 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 LONGITUDIAL 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 REBAR REINFORCEMENT AROUND THE MANHOLE.

(4) IF DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS 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 REBAR REINFORCEMENT AROUND THE MANHOLE.

(5) ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.

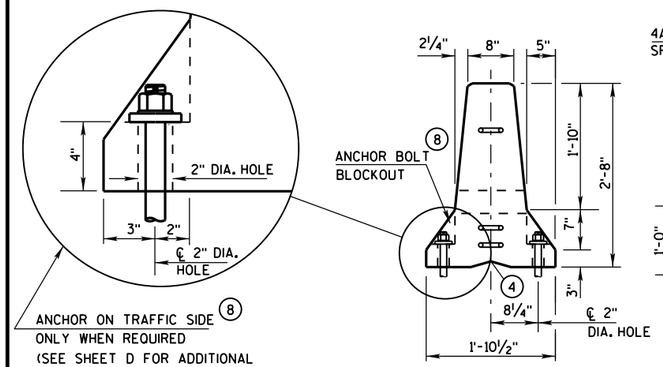
CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

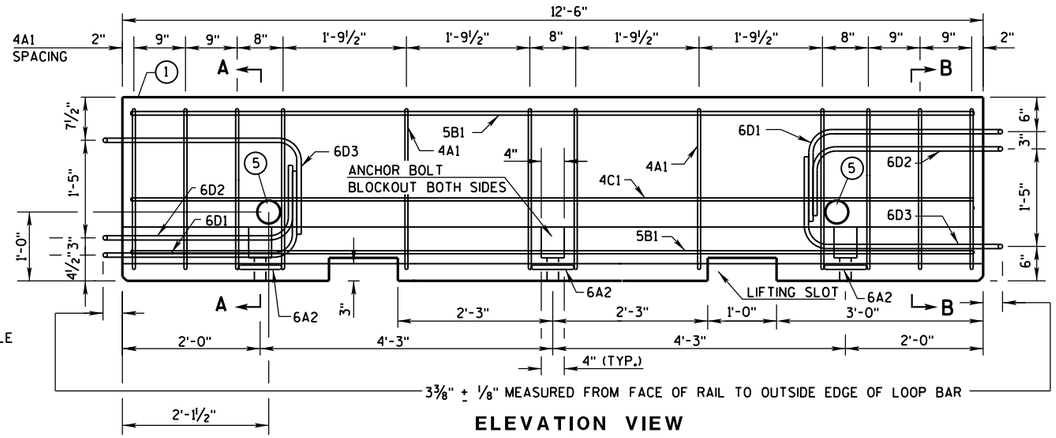
APPROVED
March 2018 — DATE
/S/ Peter K[illegible] P.E. — PAVEMENT SUPT
FHWA

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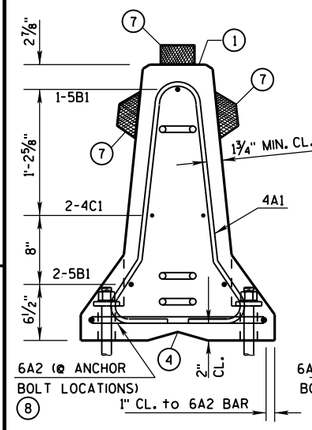
S.D.D. 13 C 18-6d



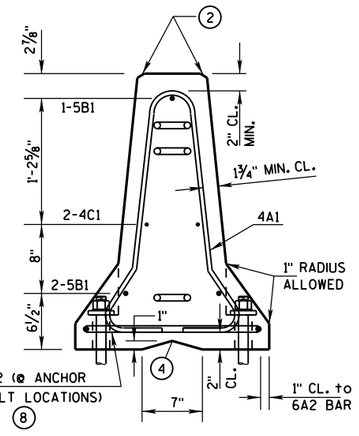
END VIEW



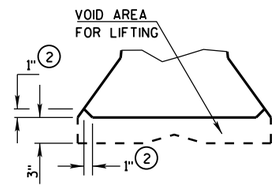
ELEVATION VIEW



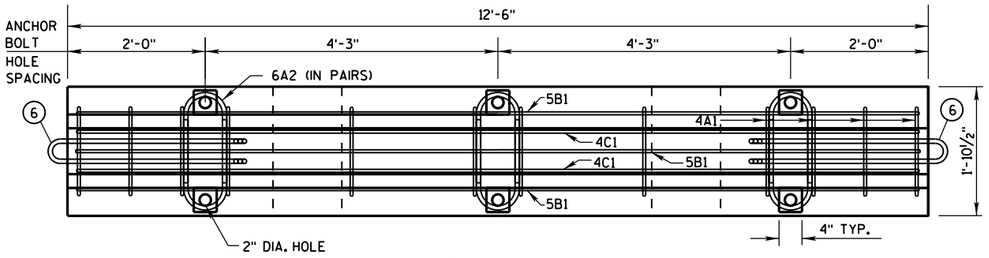
SECTION A-A
(STIRRUP PLACEMENT)



SECTION B-B
(STIRRUP PLACEMENT)



DETAIL "B"
LIFTING SLOT DETAIL



PLAN VIEW

DETAILS OF BARRIER SECTION

GENERAL NOTES

THESE GENERAL NOTES APPLY TO SHEETS 14B7-15(a) THRU 14B7-15(i).

DO NOT INTERMIX CONCRETE BARRIER TEMPORARY PRCAST, 12'-6" (CBTP12.5) WITH OTHER TEMPORARY CONCRETE BARRIERS.

USE ASTM A-615, GRADE 60, DEFORMED STEEL BARS FOR BARS 4A1, 6A2, 5B1 AND 4C1 IN THE BARRIER SECTION AND FOR 4V1, 4V2, 4V3, 4V4, 4V5, 4V6, 4F1, 4F2 AND 5F3 IN THE BARRIER TAPER SECTION.

LOOP BARS 6D1, 6D2 AND 6D3 SHALL BE ¾" SMOOTH STEEL BARS WITH A MINIMUM YIELD STRENGTH OF 60 KSI, A TENSILE STRENGTH OF NOT LESS THAN 1.25 TIMES THE YIELD STRENGTH BUT A MINIMUM OF 80 KSI, A MINIMUM 14% ELONGATION IN 8 INCHES AND PASSING A 180 DEGREE BEND TEST USING A 3-½" PIN BEND DIAMETER FOR BEND TESTS. THE LOOPS SHALL BE INSTALLED WITHIN ⅛" OF THE PLAN DIMENSION.

CONSTRUCT LIFTING SLOTS AS SPECIFIED ON THE PLANS TO FACILITATE THE DRAINAGE OF WATER AFTER INSTALLATION.

PLACE BARRIER ON A PAVED SURFACE. REMOVE ALL LOOSE DIRT AND SAND FROM THE ROADWAY SURFACE PRIOR TO PLACEMENT OF THE BARRIER.

INSTALL MECHANICAL OR ADHESIVE ANCHORS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE MANUFACTURER'S INFORMATION TO PROJECT ENGINEER.

(1) MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
- a. TYPE: WI CBTP
- b. MANUFACTURER
- c. DATE MANUFACTURED (MONTH AND YEAR)

(2) 1" CHAMFER TO PREVENT SPALLING.

(3) A ⅜" HOLE IN THE CONNECTION PIN, AT THE LOCATION SHOWN, IS ACCEPTABLE, BUT NOT REQUIRED..

(4) "V" NOTCH IS OPTIONAL.

(5) THE 4" DIAMETER, 11 GAUGE STEEL, ROUND MECHANICAL TUBING SLEEVE FOR LIFTING (OPTIONAL).

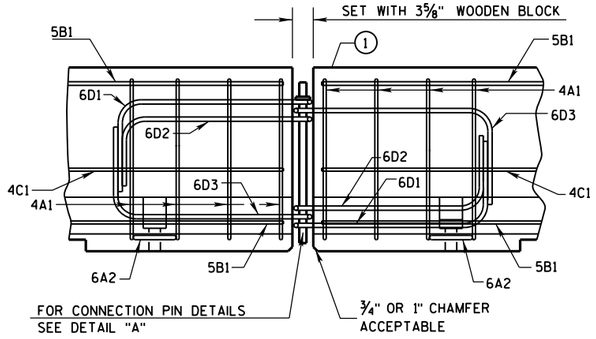
(6) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

(7) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MAY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURES INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED TO THE LEFT OF TRAFFIC AND WHITE REFLECTORS WHEN BARRIER IS LOCATED TO THE RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART. PROVIDE TOP MOUNTED DELINEATORS IN ADDITION TO THE SIDE MOUNTED DELINEATORS ON ALL BARRIER INSTALLATIONS LOCATED ON A CURVED ALIGNMENT LONGER THAN 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.

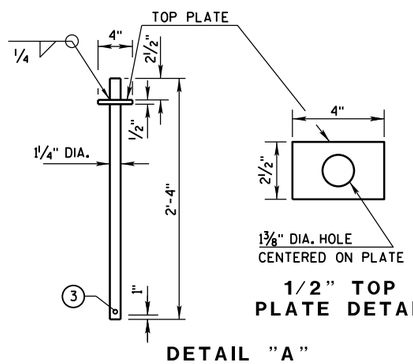
(8) SEE SHEET D FOR HOW TO ANCHOR BARRIER. SEE SHEET E FOR WHEN TO ANCHOR BARRIER.

(9) 1" CHAMFER OPTIONAL.

f'c = 4,000 psi

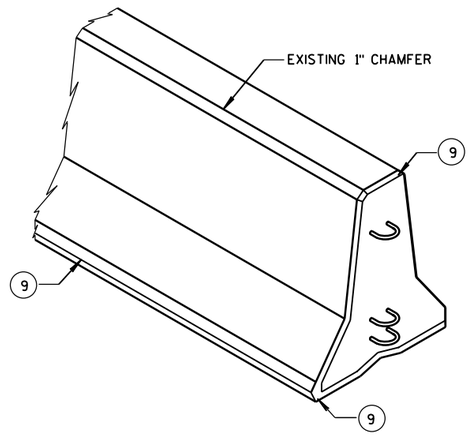


DETAILS OF BARRIER CONNECTION



1/2" TOP
PLATE DETAIL

DETAIL "A"
CONNECTION PIN
(A36 STEEL (10.9 LB EACH))



CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

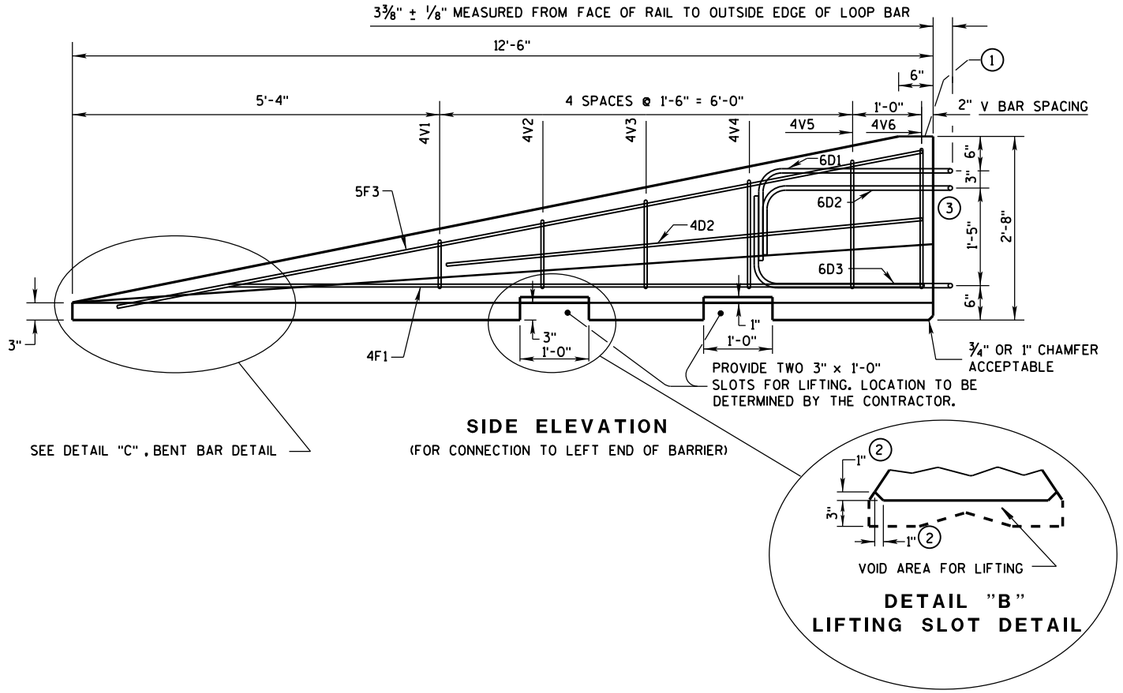
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 555

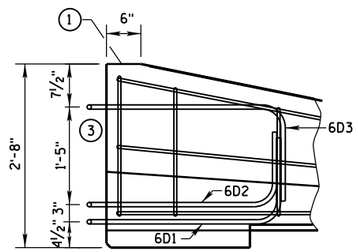
6

S.D.D. 14 B 7-15a

6

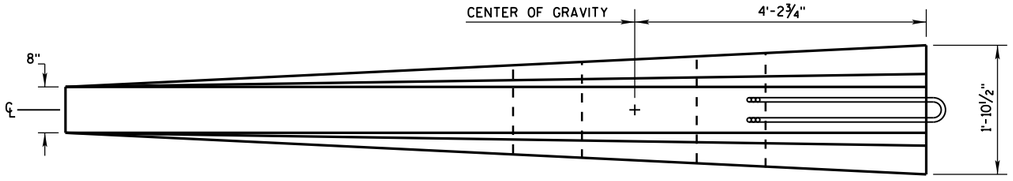
S.D.D. 14 B 7-15a

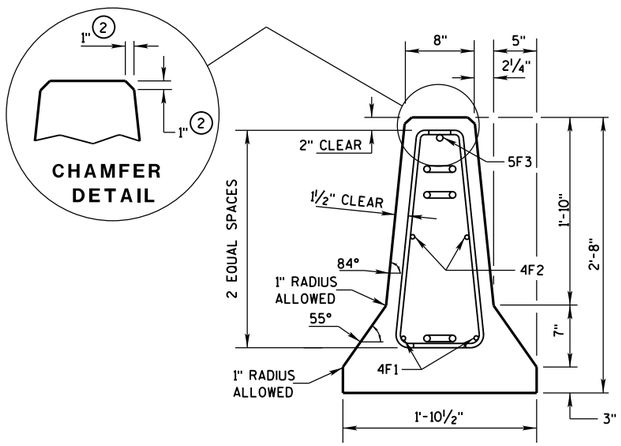


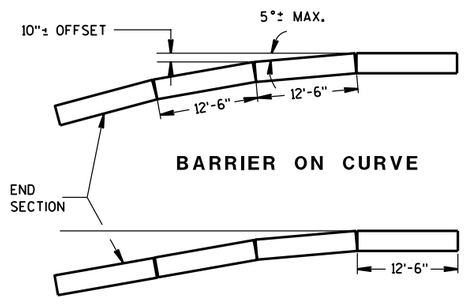


GENERAL NOTES

1. MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
   a. TYPE WICBTP
   b. MANUFACTURER
   c. DATE MANUFACTURED (MONTH AND YEAR)
2. 1" CHAMFER TO PREVENT SPALLING.
3. NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.







POSTED SPEED, (MPH)	FLARE RATE
40 OR LESS	6:1
45 OR GREATER	8:1

DETAILS OF BARRIER TAPER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

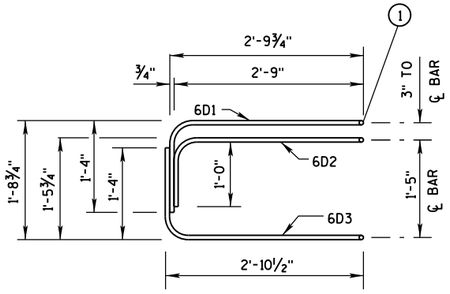
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S.D.D. 14 B 7-15b

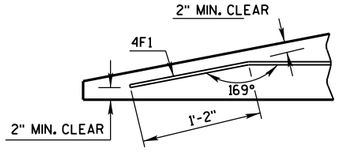
BARRIER TAPER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER TAPER SECTION)

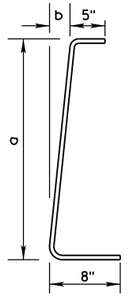
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4V1	4	2	1'-11"
4V2	4	2	2'-2"
4V3	4	2	2'-6"
4V4	4	2	2'-9"
4V5	4	2	3'-2"
4V6	4	2	3'-4"
4F1	4	2	12'-0"
4F2	4	2	7'-6"
5F3	5	1	11'-9"
LOOP ASSEMBLY			
6D1	6	1	8'-5"
6D2	6	1	7'-7"
6D3	6	1	8'-6"



ELEVATION
LOOP BAR ASSEMBLY



DETAIL "C"
BENT BAR DETAIL



BAR	a	b
V1	10"	1"
V2	1'-1"	1¼"
V3	1'-5"	1⅝"
V4	1'-8"	1⅞"
V5	2'-0½"	2⅜"
V6	2'-3"	2¾"

4V BARS
2 AT EACH SIZE REQUIRED
FOR STIRRUP ASSEMBLY

TAPER BARRIER SECTION

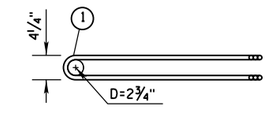
GENERAL NOTES

(1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

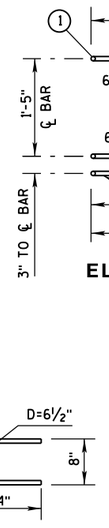
BARRIER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER SECTION)

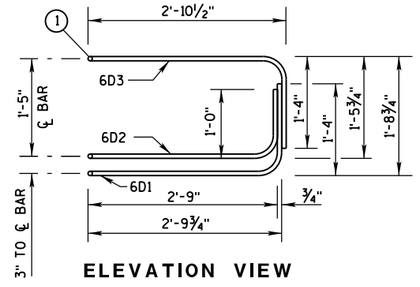
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4A1	4	12	6'-0"
6A2	6	6	2'-11"
5B1	5	3	12'-2"
4C1	4	2	12'-2"
LOOP ASSEMBLY			
6D1	6	2	8'-5"
6D2	6	2	7'-7"
6D3	6	2	8'-6"



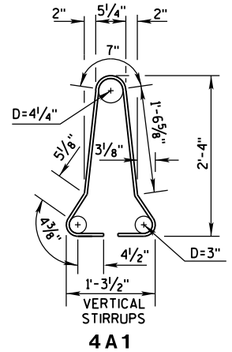
PLAN VIEW
LOOP BAR ASSEMBLY
(MARKED END SHOWN, INVERT FOR OTHER END)



6A2



ELEVATION VIEW



4A1

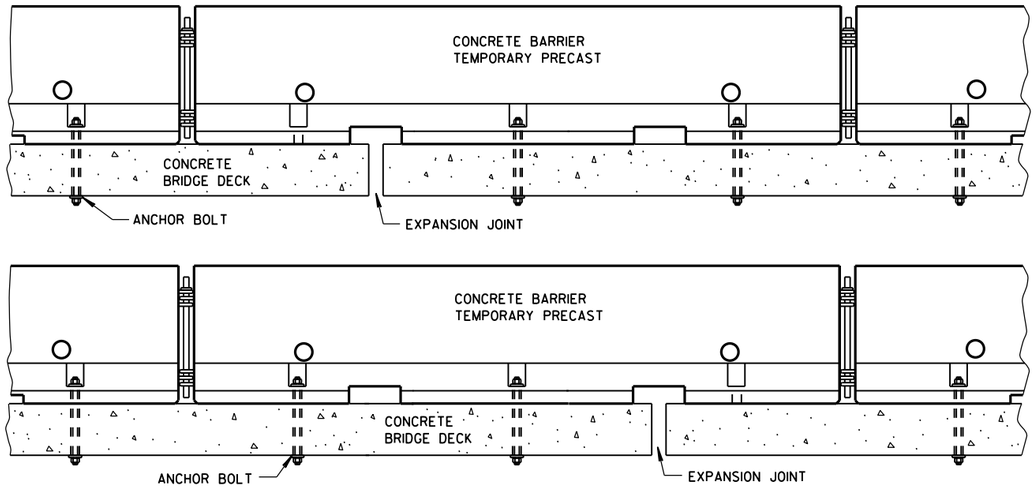
BARRIER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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S.D.D. 14 B 7-15c



TREATMENT AT BRIDGE DECK EXPANSION JOINTS

(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.)

GENERAL NOTES

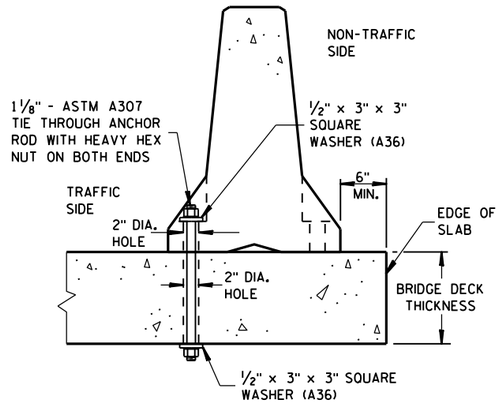
SEE SHEET E FOR WHEN TO ANCHOR. OTHER PARTS OF THE PLAN MAY SHOW ADDITIONAL LOCATIONS REQUIRING ANCHORING.

REMOVE ALL ANCHORS WHEN NO LONGER NEEDED. FILL CONCRETE PAVEMENTS, DECKS AND APPROACH SLABS WITH NON-SHRINK COMMERICAL GROUT FROM THE APPROVED PRODUCT LIST. FILL ASPHALT PAVEMENTS WITH ASTM D6690 TYPE II RUBBERIZED CRACK FILLER.

(1) 1⅛" DIAMENTER A307 THREADED ROD. ½" X 3" X 3" SQUARE PLATE WASHER WITH ASTM A36 STEEL. ASTM A563A HEAVY HEX NUT.

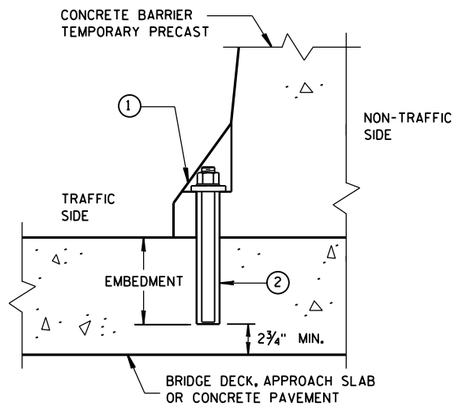
(2) ADHESIVE ANCHORS WITH A MINIMUM BOND STRENGTH OF 1,800 PSI AND 5¼" EMBEDMENT. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.

(3) ASPHALT SURFACE SHOWN. CONTRACTOR MAY DRILL THROUGH CONCRETE PAVEMENT AND THAN DRIVE ASPHALT ANCHOR PIN.



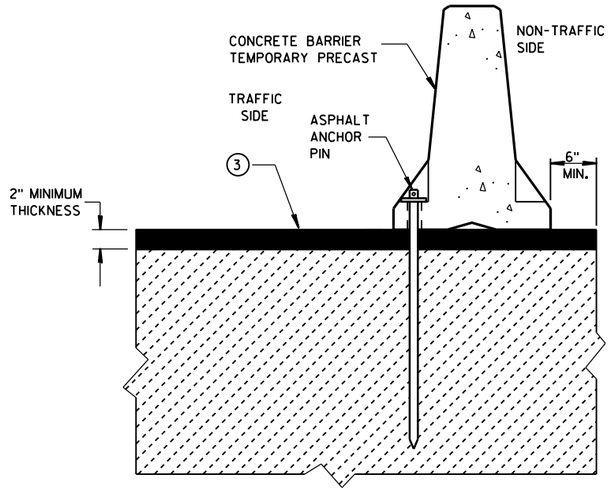
THROUGH BOLTED ANCHOR INSTALLATION ON BRIDGE DECK

(DO NOTUSE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)

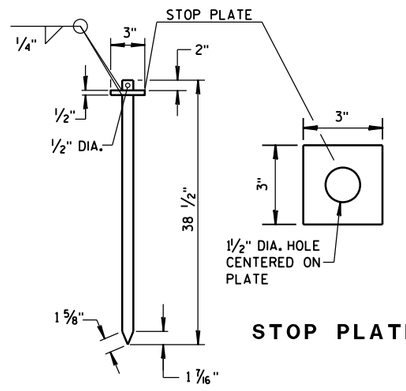


REMOVABLE ADHESIVE ANCHOR INSTALLATION ON CONCRETE BRIDGE DECK, CONCRETE APPROACH SLAB, OR CONCRETE PAVEMENT

(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)



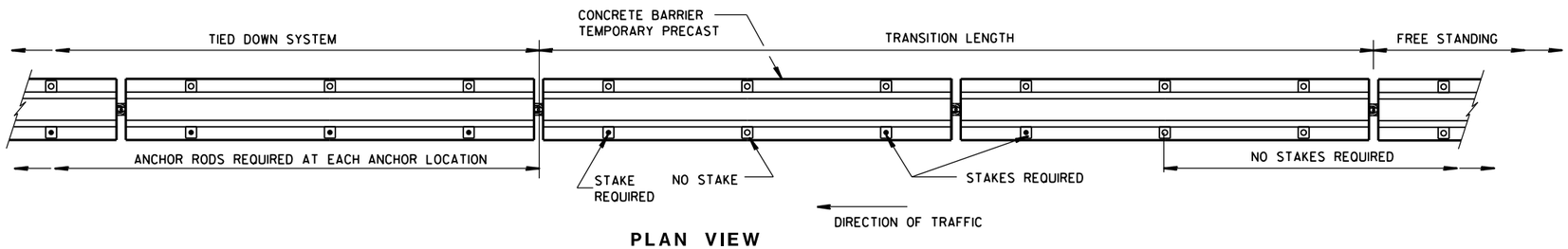
STAKE DOWN INSTALLATION FOR ASPHALTIC SURFACE



STOP PLATE

ASPHALT ANCHOR PIN

(ASTM A36 STEEL)



PLAN VIEW

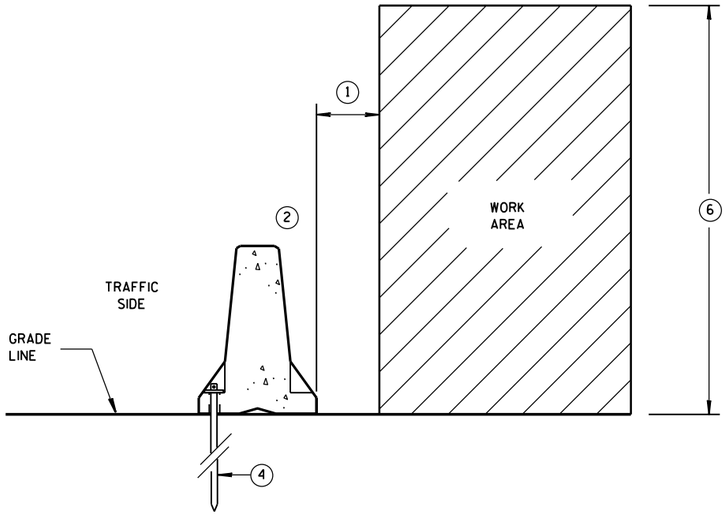
FREE STANDING TRANSITION TO TIED-DOWN SYSTEM

(PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY. IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN.)

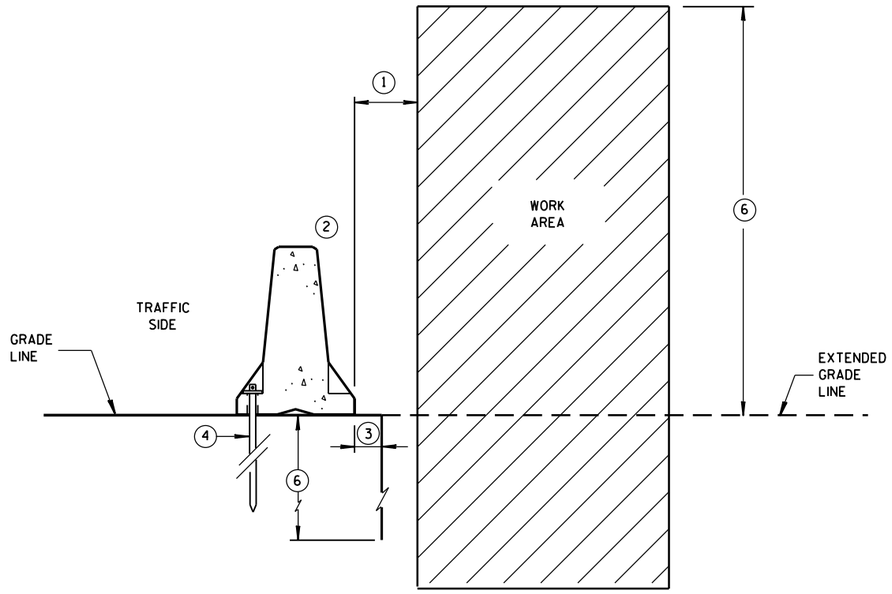
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 14 B 7-15d



ANCHORED BARRIER SPACE REQUIREMENTS FOR HAZARDS EXTENDED ABOVE THE GRADE LINE

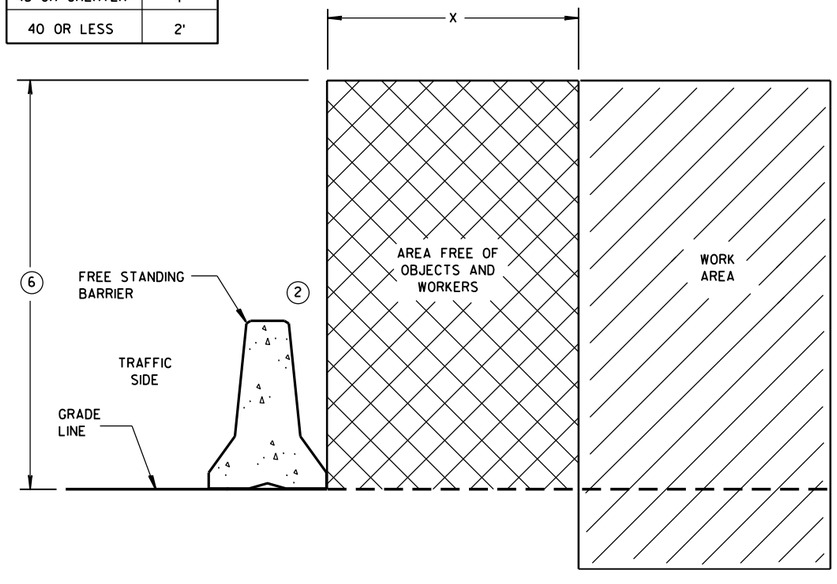


ANCHORED BARRIER SPACE REQUIREMENTS ON VERTICAL DROP OFFS

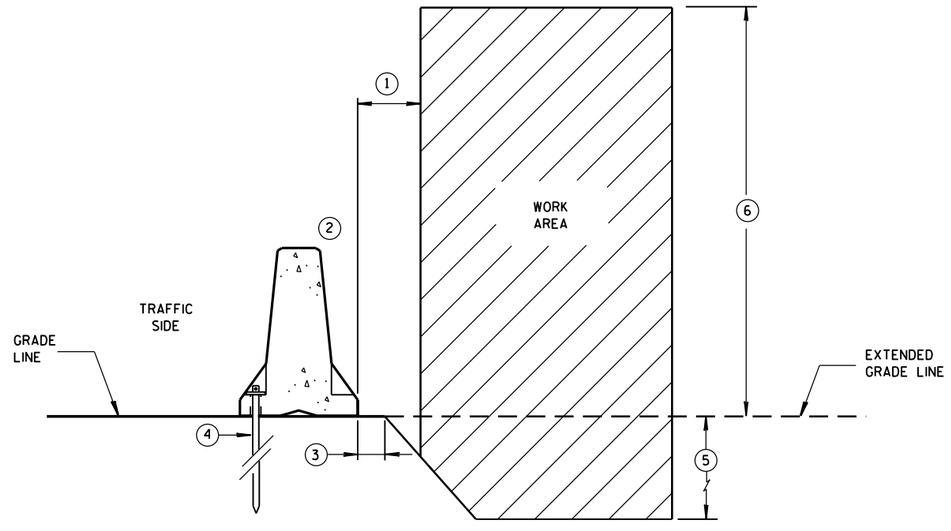
GENERAL NOTES

1. WHEN OBJECTS EXTEND ABOVE THE GRADE, A MINIMUM OF 1 FOOT IS REQUIRED FROM BACK OF BARRIER TO OBJECT. SEE OTHER DETAILS FOR FOR THE MINIMUM OFFSET FROM BACK OF BARRIER TO SLOPES OR VERTICAL DROPS.
2. OBJECTS ARE NOT TO BE PLACED ON, MOUNTED TO, OR LEANED AGAINST THE BARRIER WITHOUT PERMISSION OF THE PROJECT ENGINEER.
3. SEE OTHER DETAIL ON SHEET "D" FOR SPACE REQUIREMENTS.
4. SEE BOLT THROUGH DECK, REMOVABLE ADHESIVE ANCHOR, OR A STAKE DOWN FOR ASPHALTIC SURFACE TREATMENT DETAILS. ASPHALTIC ANCHOR SHOWN.
5. DEPTH OF 3 FEET OR MORE.
6. Y = 6'-6".

POSTED SPEED MPH	X
45 OR GREATER	4'
40 OR LESS	2'



FREE STANDING BARRIER SPACE REQUIREMENTS



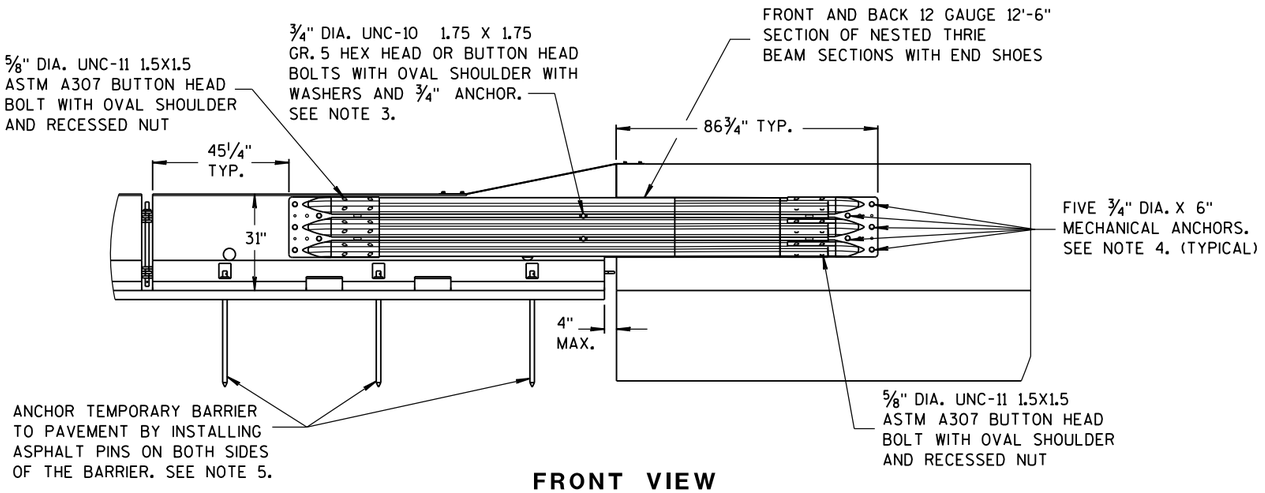
ANCHORED BARRIER SPACE REQUIREMENTS ON SLOPES

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

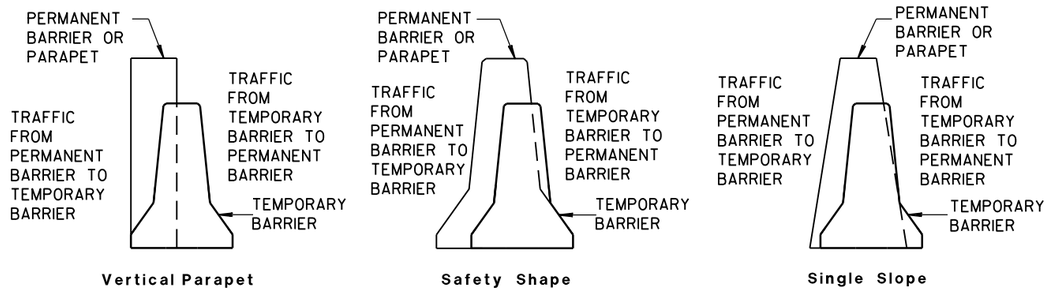
STATE OF WISCONSIN
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FRONT VIEW

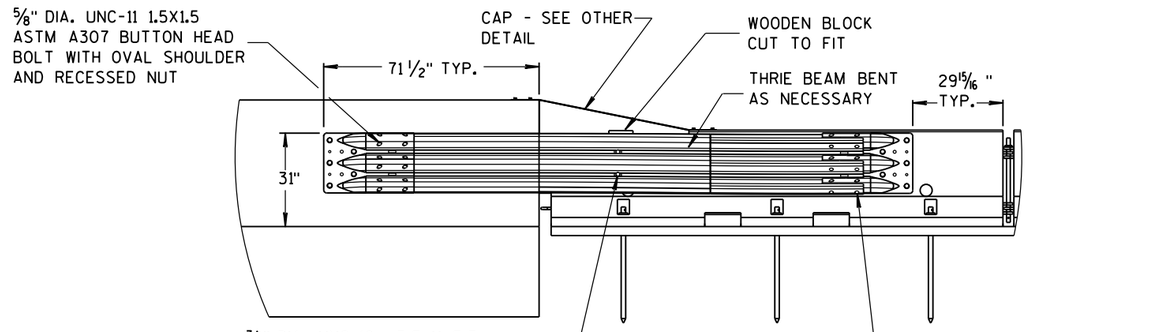


TEMPORARY BARRIER PLACEMENT FOR BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM

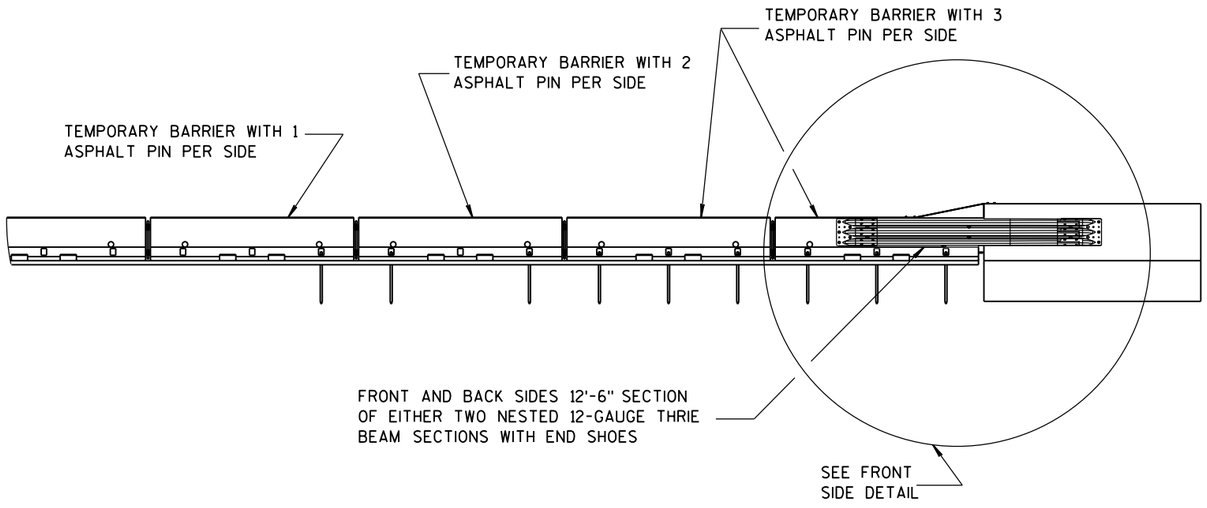
NOTES

NESTED THRIE BEAM IS REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER FOR ALL INSTALLATIONS REGARDLESS OF TRAFFIC.

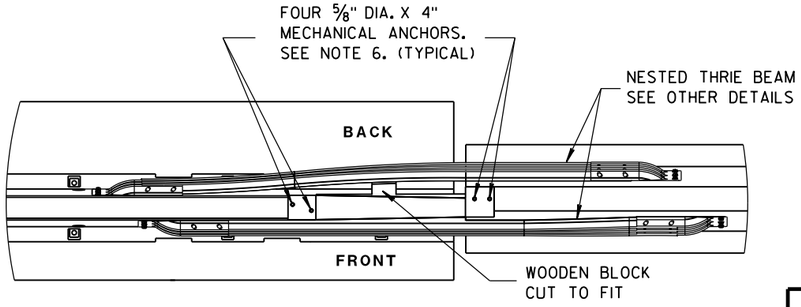
1. CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF PERMANENT BARRIER OR PARAPET.
2. THRIE BEAM PIECES ARE OFFSET 15 1/4" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.
3. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 10.48 KIPS.
4. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 17.9 KIPS AND ULTIMATE SHEAR LOAD 21.96 KIPS.
5. MAY BE USED ON CONCRETE OR ASPHALT PAVEMENTS. ASPHALT OPTION SHOWN. FOR CONCRETE OPTION SEE OTHER DETAILS.
6. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 12.14 KIPS AND ULTIMATE SHEAR LOAD 17.5 KIPS.



BACK VIEW



FRONT VIEW



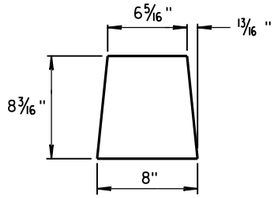
PLAN VIEW

BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM

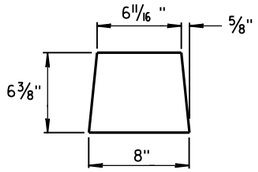
CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

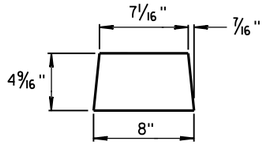
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S.D.D. 14 B 7-15f



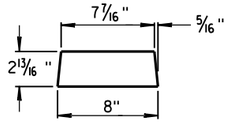
GUSSET 1



GUSSET 2

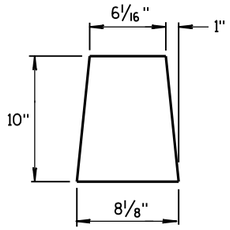


GUSSET 3

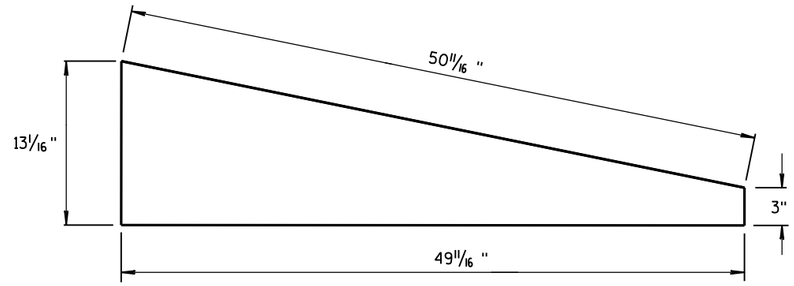


GUSSET 4

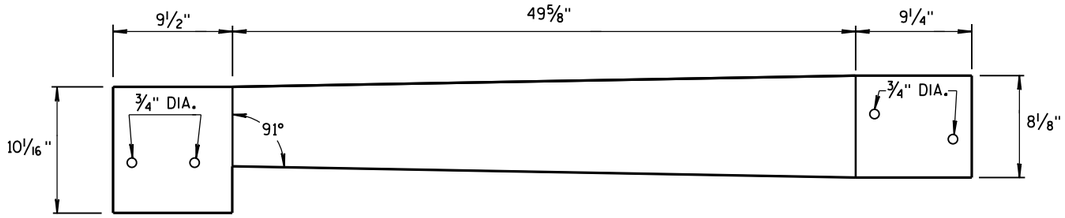
GUSSETS

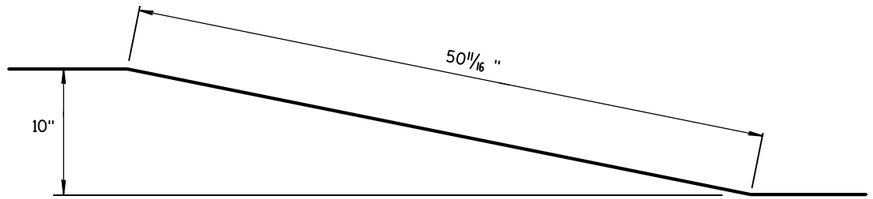


END PLATE



SIDE PLATE

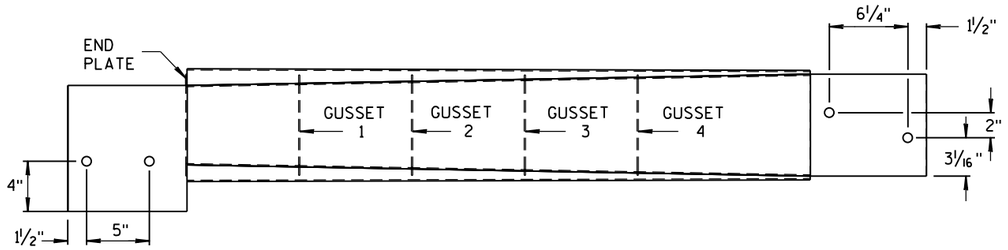


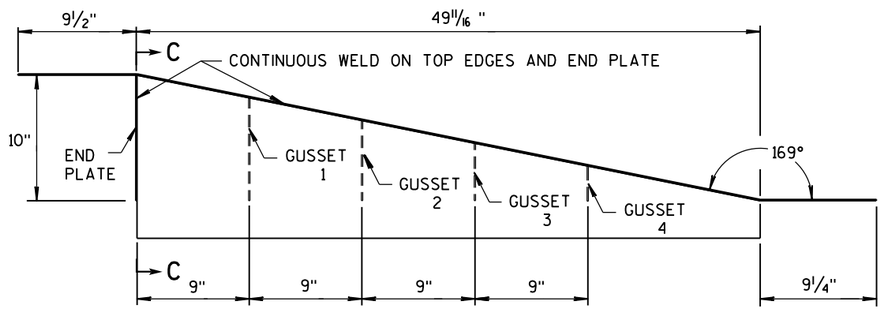


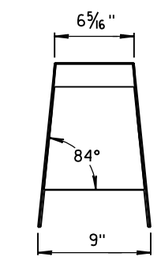
TOP PLATE

SIDE, TOP AND END PLATES FOR CAP FROM TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 GALVANIZED STEEL.







SECTION C-C

NOTES

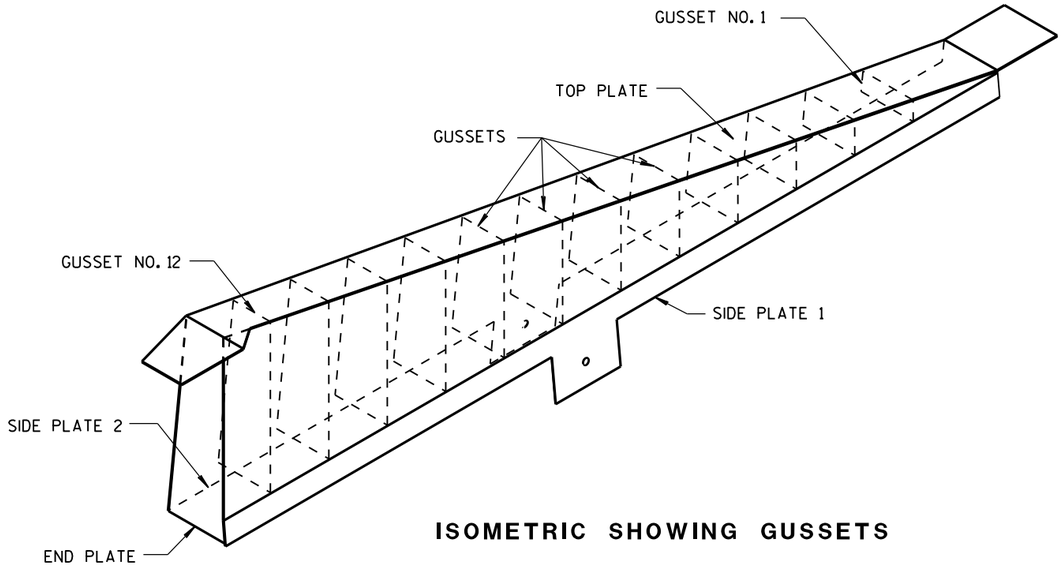
1. FOUR GUSSETS AND END PLATE ARE STITCH WELDED ON THREE SIDES.
2. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE, AND GUSSETS.

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

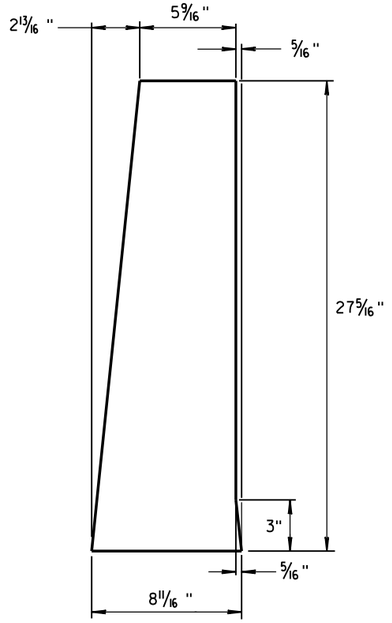
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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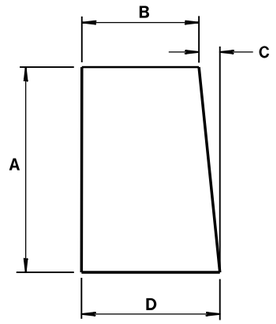


ISOMETRIC SHOWING GUSSETS



END PLATE

1/8" STEEL PLATE



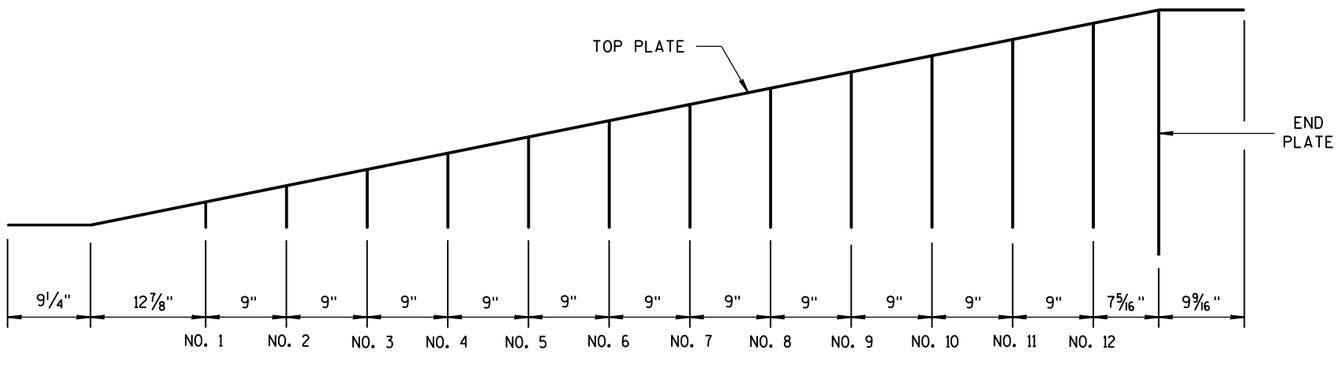
GUSSETS 1 - 12

ALL GUSSETS 1/8" STEEL PLATE

GUSSET DIMENSIONS				
GUSSET NO.	A	B	C	D
1	2 7/8"	7 3/4"	1/4"	8
2	4 11/16 "	7 9/16 "	1/2"	8
3	6 1/2"	7 3/8"	11/16 "	8 1/16 "
4	8 5/16 "	7 3/16 "	7/8"	8 1/16 "
5	10 1/8"	7"	1 1/16 "	8 1/16 "
6	11 15/16 "	6 13/16 "	1 1/4"	8 1/16 "
7	13 3/4"	6 5/8"	1 7/16 "	8 1/16 "
8	15 9/16 "	6 7/16 "	1 9/16 "	8 1/16 "
9	17 3/8"	6 1/4"	1 13/16 "	8 1/16 "
10	19 3/16 "	6 1/16 "	1 15/16 "	8 1/16 "
11	21"	5 7/8"	2 3/16 "	8 1/16 "
12	22 13/16 "	5 11/16 "	2 5/16 "	8 1/16 "

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 STEEL AND GALVANIZED.

GUSSETS AND END PLATE ARE STITCH WELDED ON 3 SIDES. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE AND GUSSETS.



GUSSET LOCATION

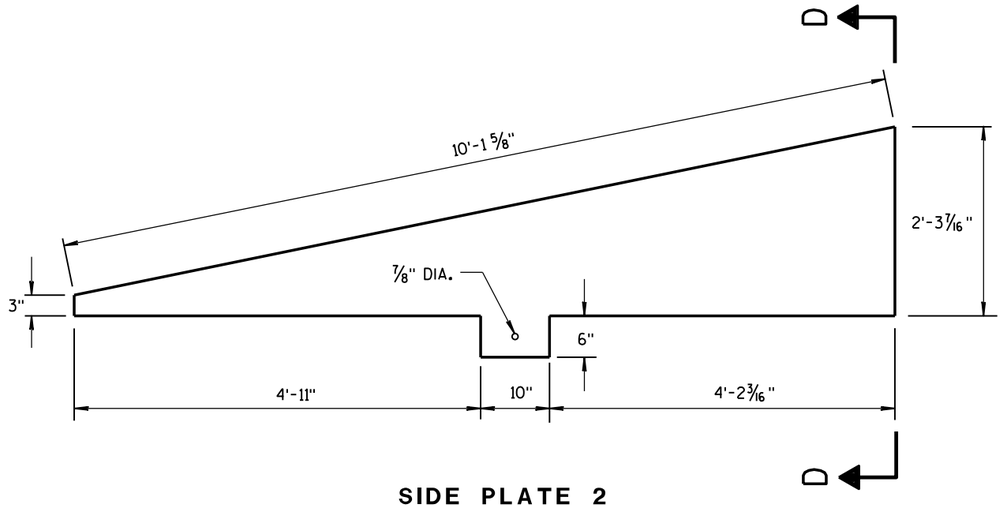
CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

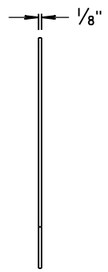
STATE OF WISCONSIN
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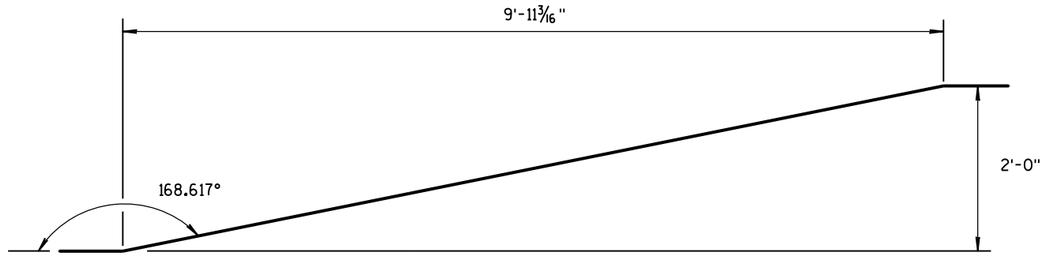
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SIDE PLATE 2

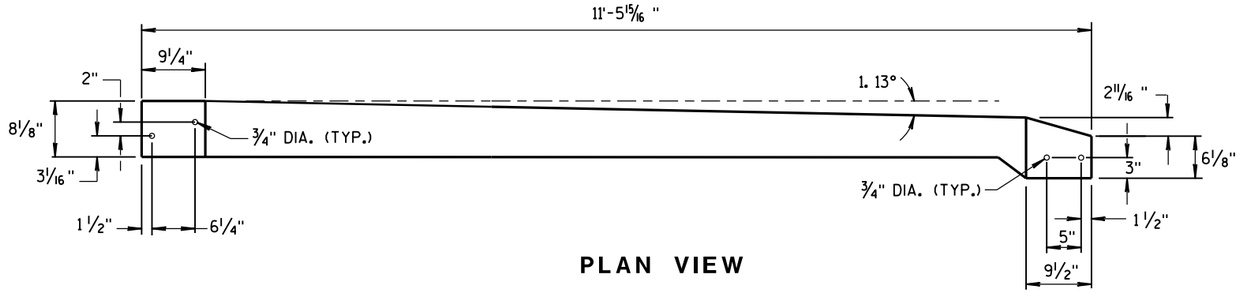


END VIEW



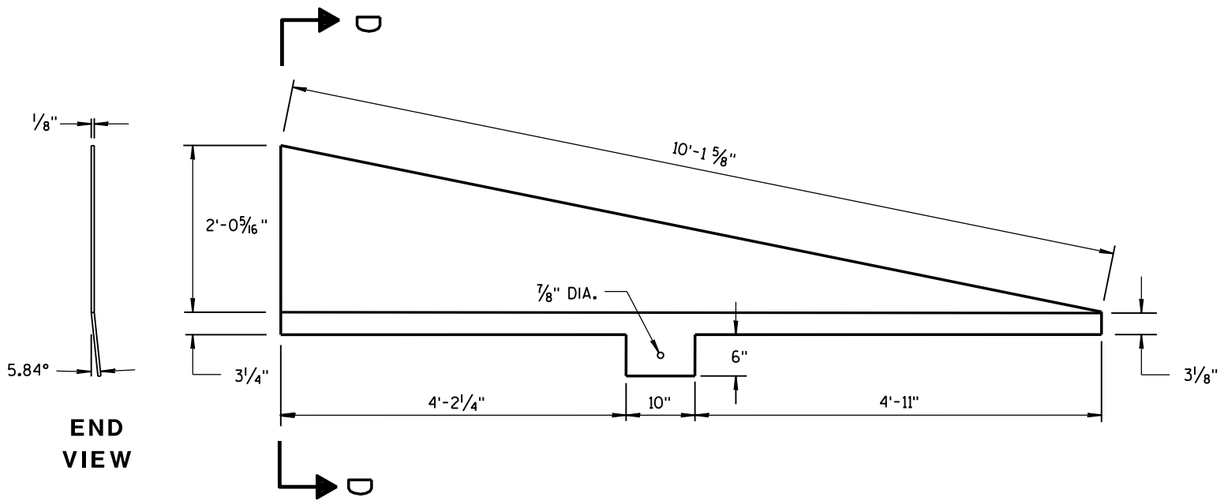
SIDE VIEW

TOP PLATE



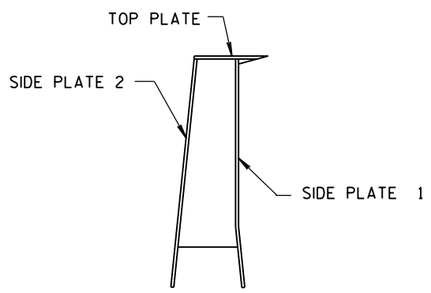
PLAN VIEW

TOP PLATE



END VIEW

SIDE PLATE 1



SECTION D-D

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

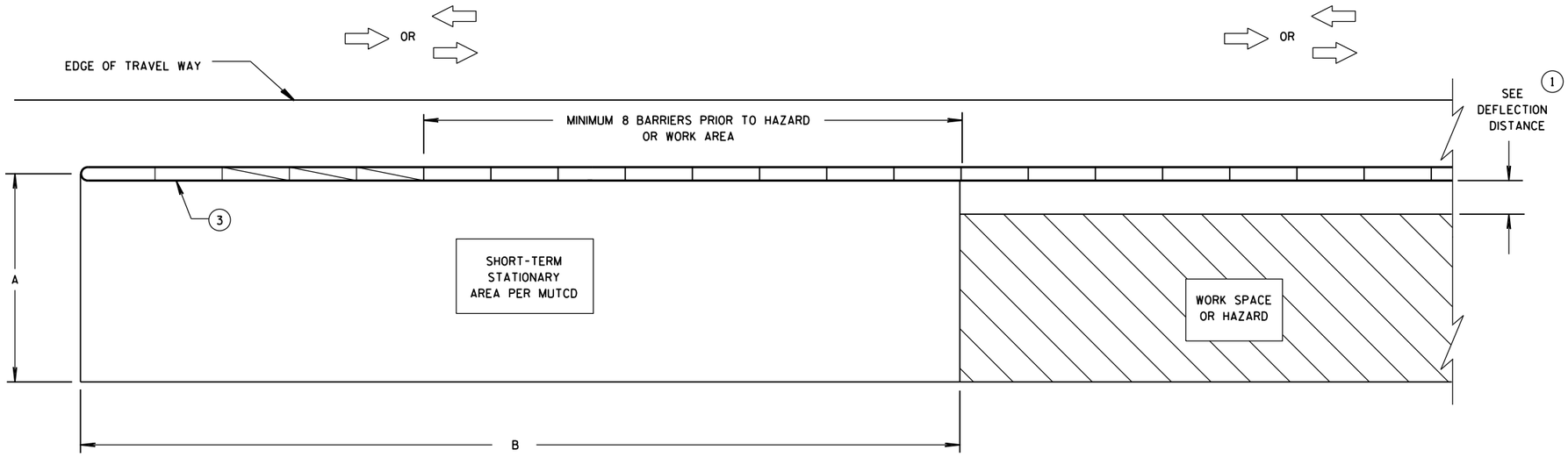
APPROVED
June 2017
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERV
563
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FHWA

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S.D.D. 14 B 7-15i

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S.D.D. 14 B 7-15i



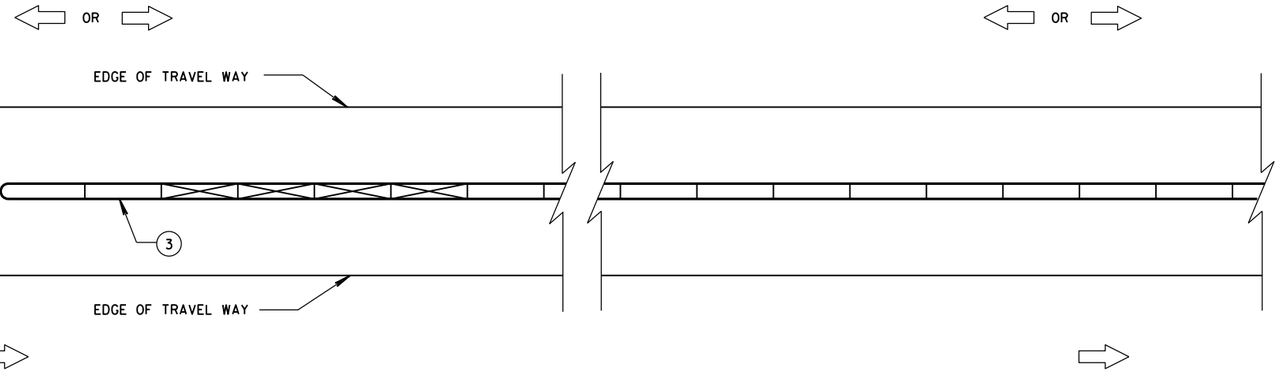
CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE OF BARRIER

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.

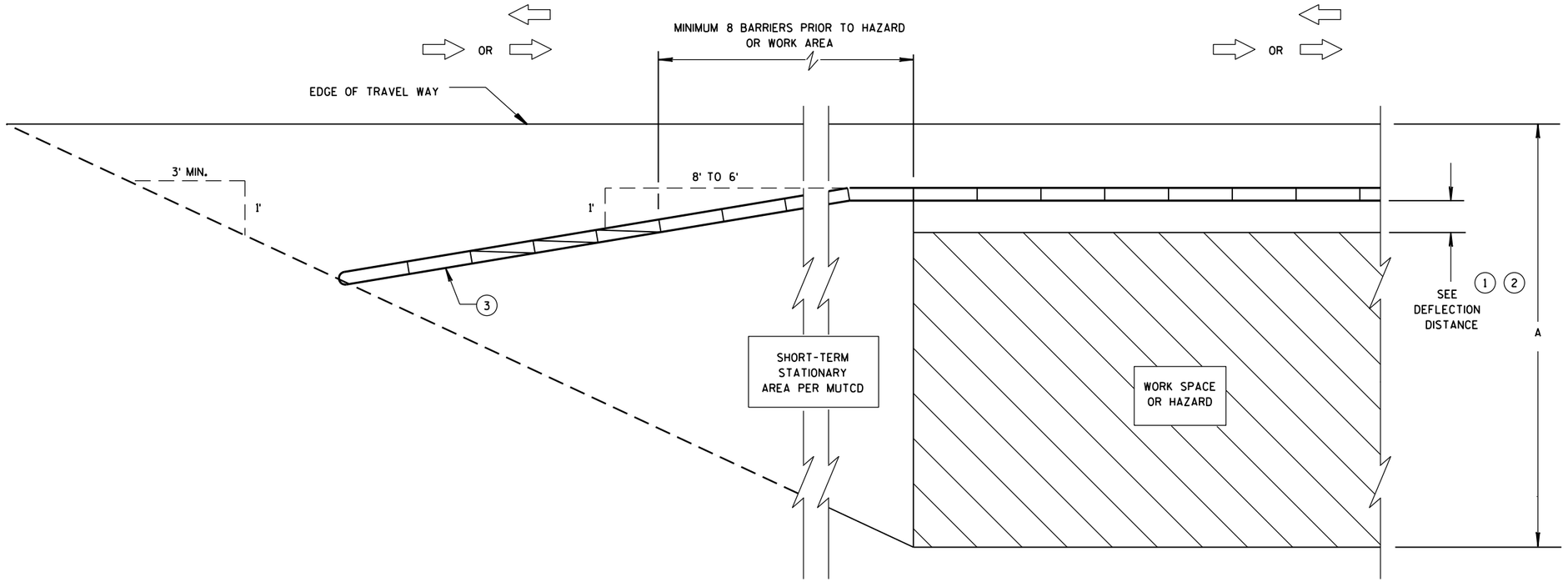
(3) ANCHOR TEMPORARY BARRIER ACCORDING TO CRASH CUSHION OR SAND BARREL MANUFACTURER'S RECOMMENDATIONS. IF MANUFACTURER'S RECOMMENDATIONS ARE NOT PROVIDED, ANCHOR 3 PINS ON TRAFFIC SIDE.

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

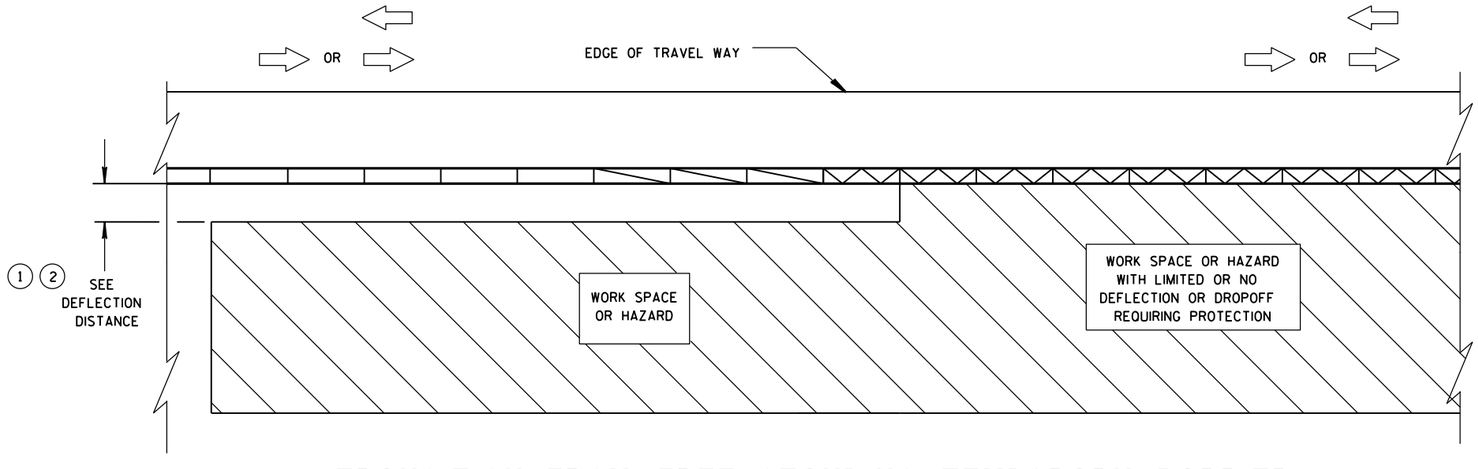
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CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE - FLARED INSTALLATION



TRANSITION FROM FREE STANDING TEMPORARY BARRIER TO ANCHORED BARRIER

LEGEND

- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

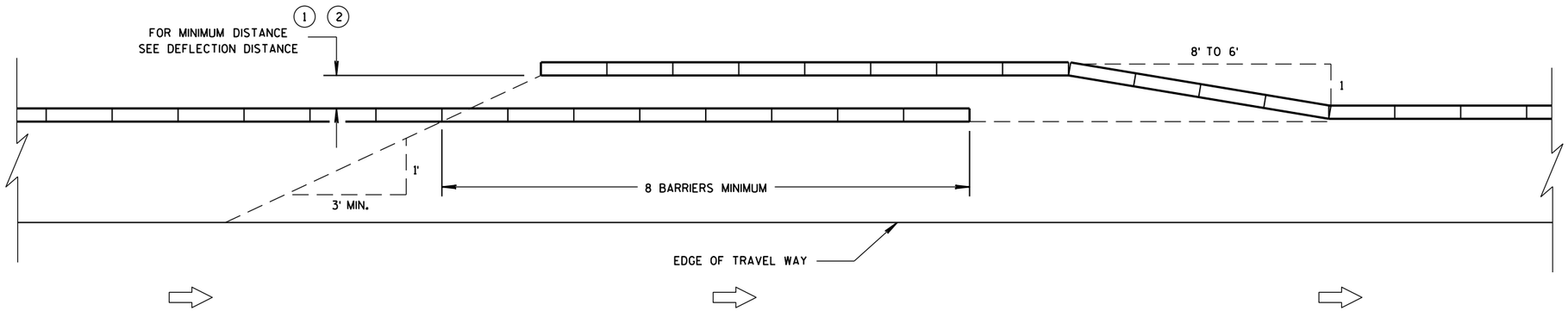
STATE OF WISCONSIN
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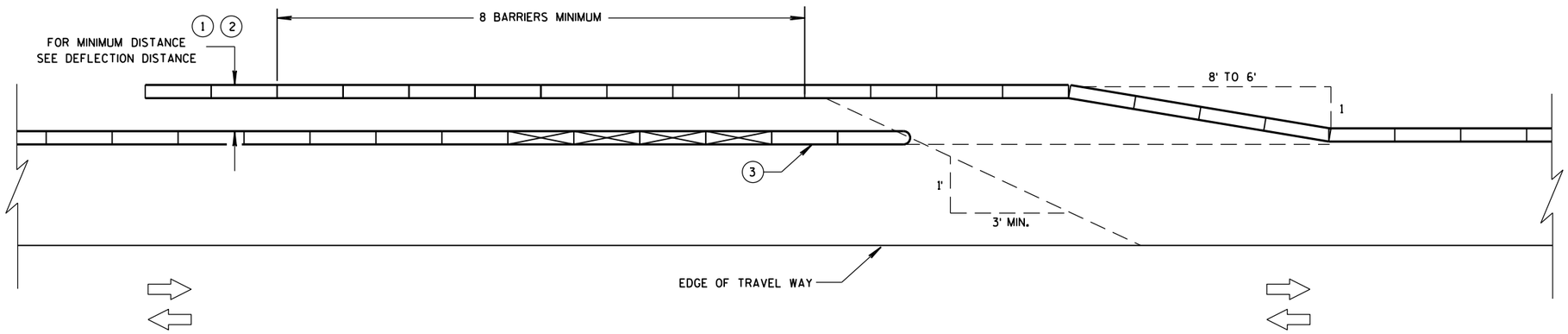
S.D.D. 14 B 8-2b

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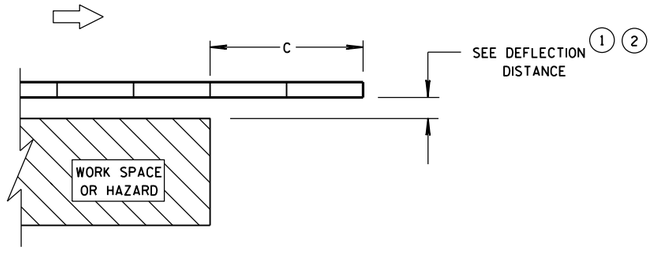
S.D.D. 14 B 8-2b



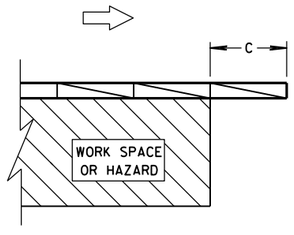
TEMPORARY BARRIER OVERLAP - ONE-WAY TRAFFIC



TEMPORARY BARRIER OVERLAP - TWO-WAY TRAFFIC



ENDING TEMPORARY BARRIER DOWNSTREAM - UNANCHORED



ENDING TEMPORARY BARRIER DOWNSTREAM - ANCHORED

LEGEND

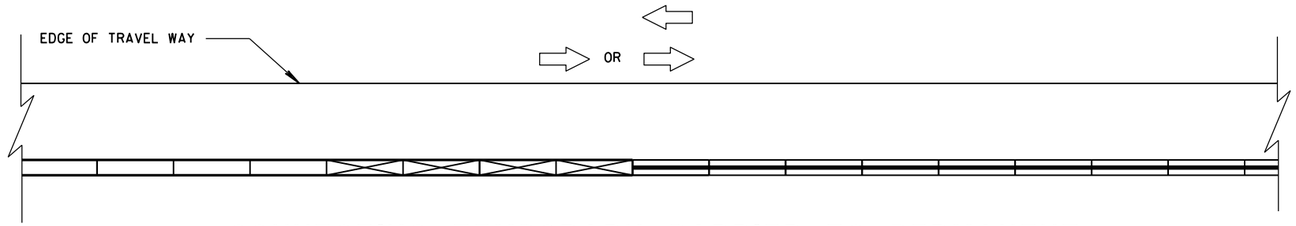
- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

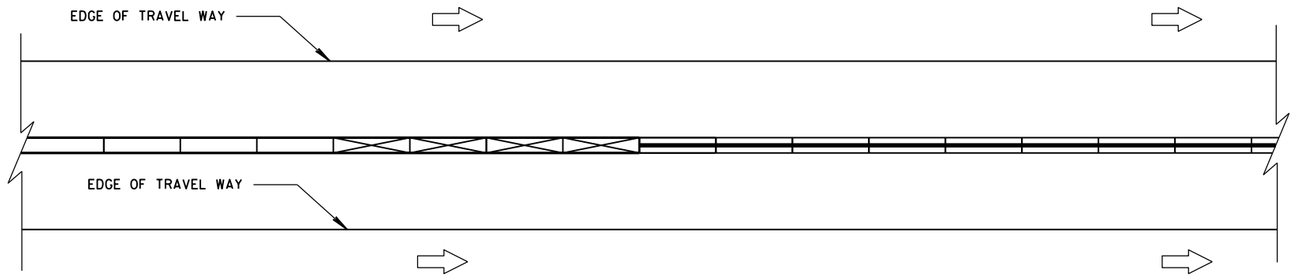
STATE OF WISCONSIN
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S.D.D. 14 B 8-2c



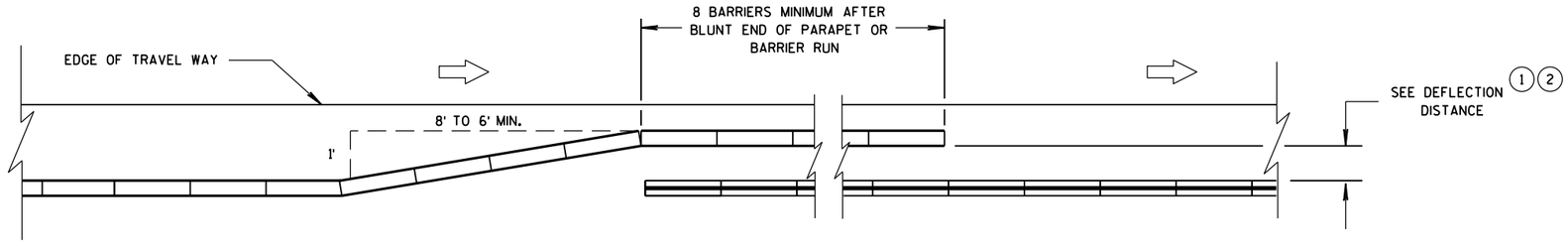
CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON ONE SIDE



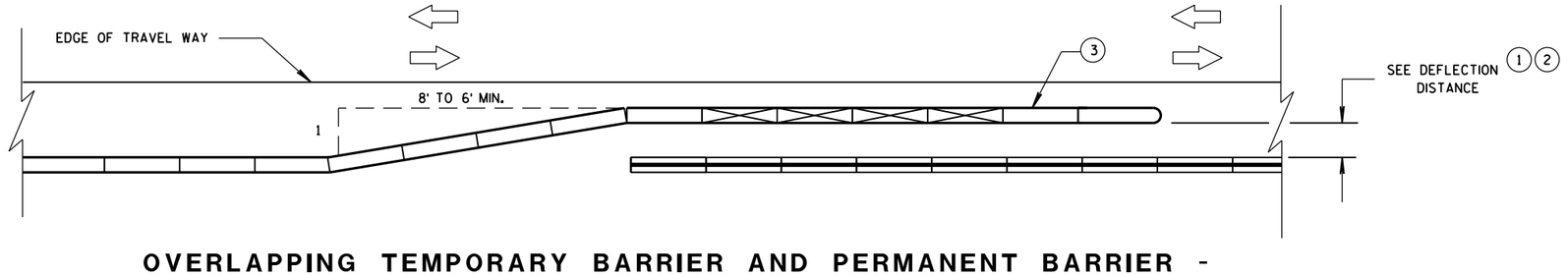
CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON BOTH SIDES

LEGEND

- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER



OVERLAPPING TEMPORARY BARRIER AND PERMANENT BARRIER -
ONE WAY TRAFFIC



OVERLAPPING TEMPORARY BARRIER AND PERMANENT BARRIER -
TWO WAY TRAFFIC

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
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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

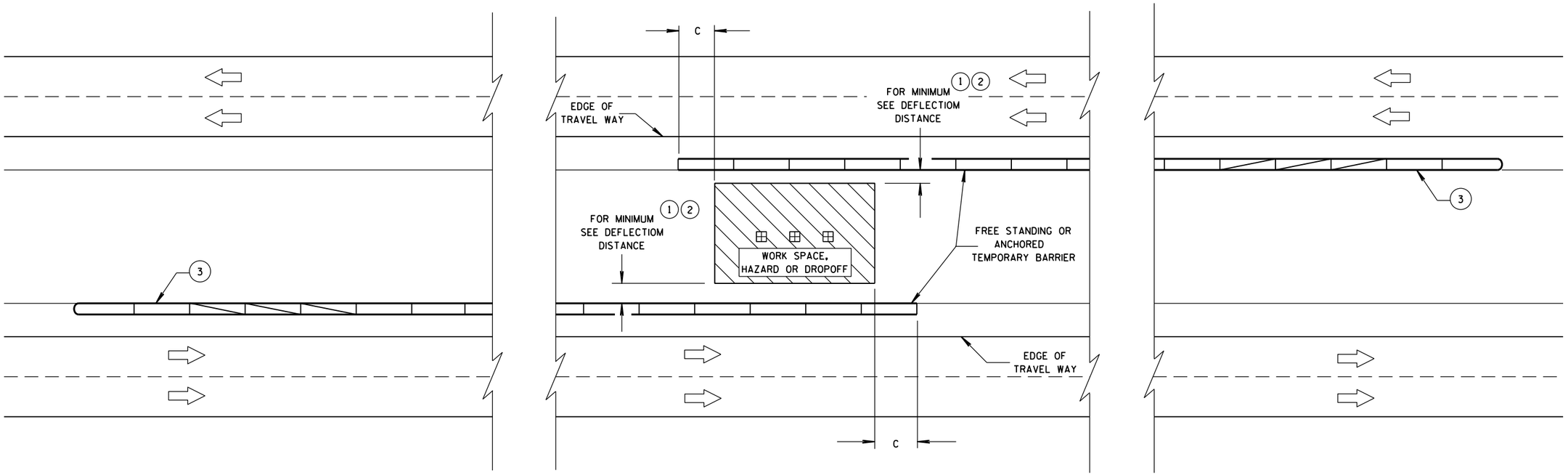
3 PINS PLACED ON TRAFFIC SIDE OF BARRIER

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



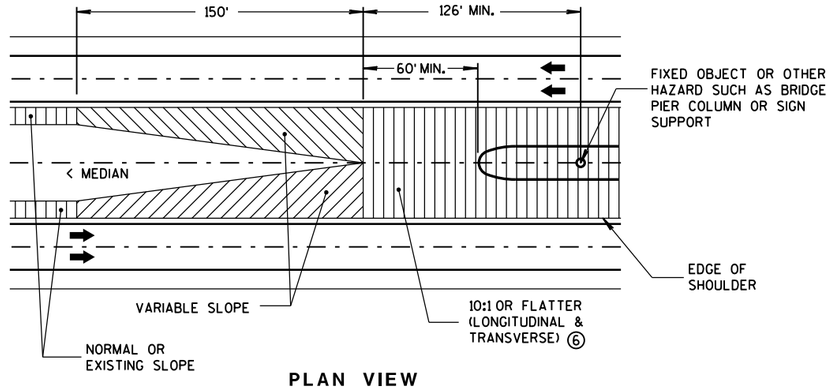
CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINNER
FHWA

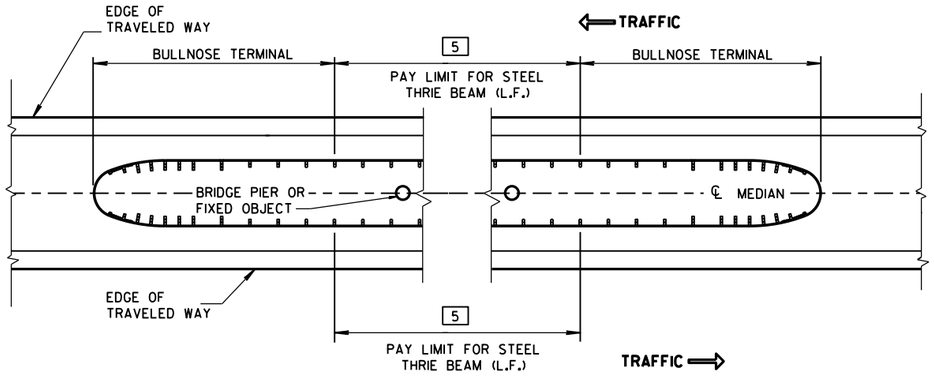
6

S.D.D. 14 B 8-2e

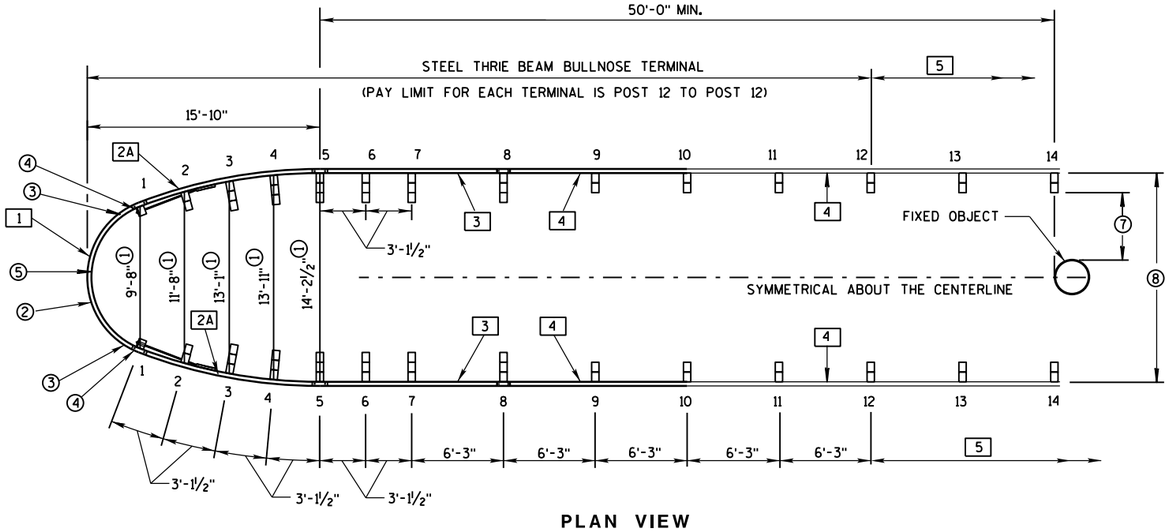


PLAN VIEW

GRADING AT BULLNOSE
(ALL INSTALLATIONS)

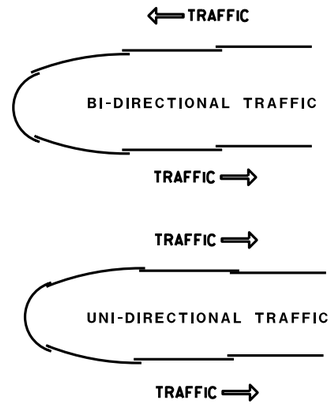


MEDIAN HAZARD PROTECTION PAY LIMITS



PLAN VIEW

TYPICAL BULLNOSE LAYOUT



LAPPING DETAIL
(ALL INSTALLATIONS)

GENERAL NOTES

SEE STANDARD DETAIL DRAWINGS 14 B 26a-e.

PUNCHING, DRILLING, CUTTING OR WELDING IS NOT PERMITTED ON ANY GALVANIZED THRIE BEAM ACCESSORY OR TERMINAL ACCESSORY.

OTHER ANCHOR CABLE ASSEMBLIES HAVING 40,000 LBS. MIN. BREAKING STRENGTH MAY BE USED.

FOR POSTS 2 THROUGH 14, IF POST CANNOT BE INSTALLED AT SPECIFIED LOCATION 1 EXTRA STANDARD WOOD BLOCK MAY BE ADDED.

THE USE OF STEEL POSTS ON THE BULLNOSE IS NOT ALLOWED.

BOLTS AND ALL NECESSARY HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A 153.

ALL THRIE BEAM SHALL BE 12-GAUGE.

IF ROCK IS ENCOUNTERED, REMOVE ROCK TO FULL DEPTH OF POST PLUS 2½" AND 12" DIAMETER AROUND POST. SEE SDD 14B15 OR SDD 14B42 FOR MORE INFORMATION.

[1] SLOTTED THRIE BEAM RAIL NO. 1. (POST 1 TO POST 1)

[2A] SLOTTED THRIE BEAM RAIL NO. 2A. (POST 1 TO POST 5)

[3] SLOTTED THRIE BEAM RAIL NO. 3. (POST 5 TO POST 8)

[4] UNBENT STANDARD THRIE-BEAM RAIL NO.4. (POST 8 TO POST 10 & POST 10 TO POST 12)

[5] BEYOND POST 12: CONSTRUCT STEEL THRIE BEAM - USE UNBENT STANDARD THRIE BEAM RAIL NO. 5.

① DIMENSIONS ARE FROM BACK OF RAIL TO BACK OF RAIL WHERE RAIL IS BOLTED TO POST OR BLOCK.

② U-BOLT CABLE CLIPS (3 PER CABLE) SPACED OUT ON NOSE, TO HOLD CABLE TO BACKSIDE OF THE RAIL.

③ NOSE CABLE W/SWAGGED END BUTTONS.

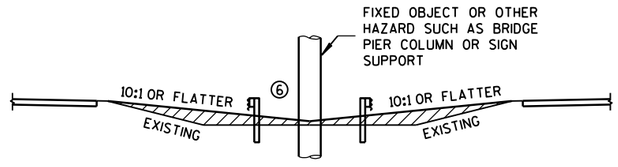
④ NOSE CABLE ANCHOR PLATE (BACKSIDE OF SPLICE).

⑤ THE SLACK IN THE NOSE CABLES SHALL BE EVENLY DISTRIBUTED BETWEEN THE CABLE CLIP FASTENERS AND POST NO. 1 ON EITHER SIDE OF THE NOSE.

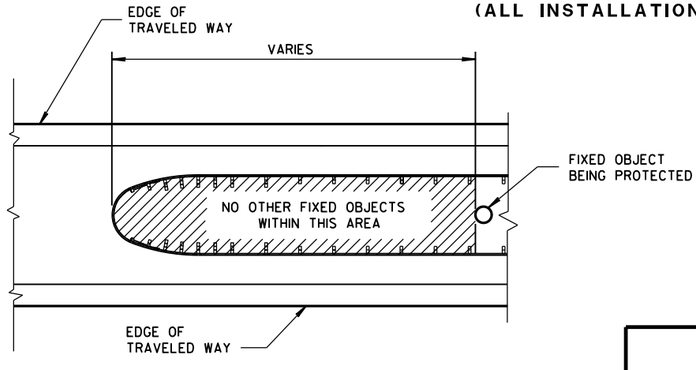
⑥ PROVIDE SUITABLE DRAINAGE WHEN MEDIAN GRADING IMPEDES NORMAL FLOW.

⑦ 2'-6" MINIMUM LATERAL DISTANCE BETWEEN BACK OF POST AND FACE OF FIXED OBJECT.

⑧ MAXIMUM WIDTH OF SYSTEM IS 14'-2½" MEASURED FROM BACK OF RAIL TO BACK OF RAIL WHERE RAIL IS BOLTED TO A POST OR BLOCK.



MEDIAN GRADING SECTION
(ALL INSTALLATIONS)

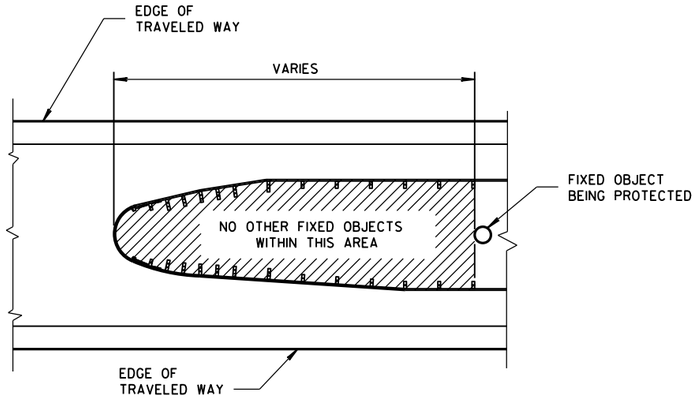


HAZARD FREE AREA INSIDE BULLNOSE

STEEL THRIE BEAM BULLNOSE TERMINAL

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S.D.D. 14 B 26-3a



HAZARD FREE
AREA INSIDE BULLNOSE

GENERAL NOTES

SEE STANDARD DETAIL DRAWINGS 14 B 26a-e.

FOR POSTS 2 THROUGH 14, IF POST CANNOT BE INSTALLED AT SPECIFIED LOCATION 1 EXTRA STANDARD WOOD BLOCK MAY BE ADDED.

[1] SLOTTED THRIE BEAM RAIL NO. 1. (POST 1 TO POST 1)

[2A] SLOTTED THRIE BEAM RAIL NO. 2A, (POST 1 TO POST 5)

[2B] SLOTTED THRIE BEAM RAIL NO. 2B, (POST 1 TO POST 5)

[3] SLOTTED THRIE BEAM RAIL NO. 3. (POST 5 TO POST 8)

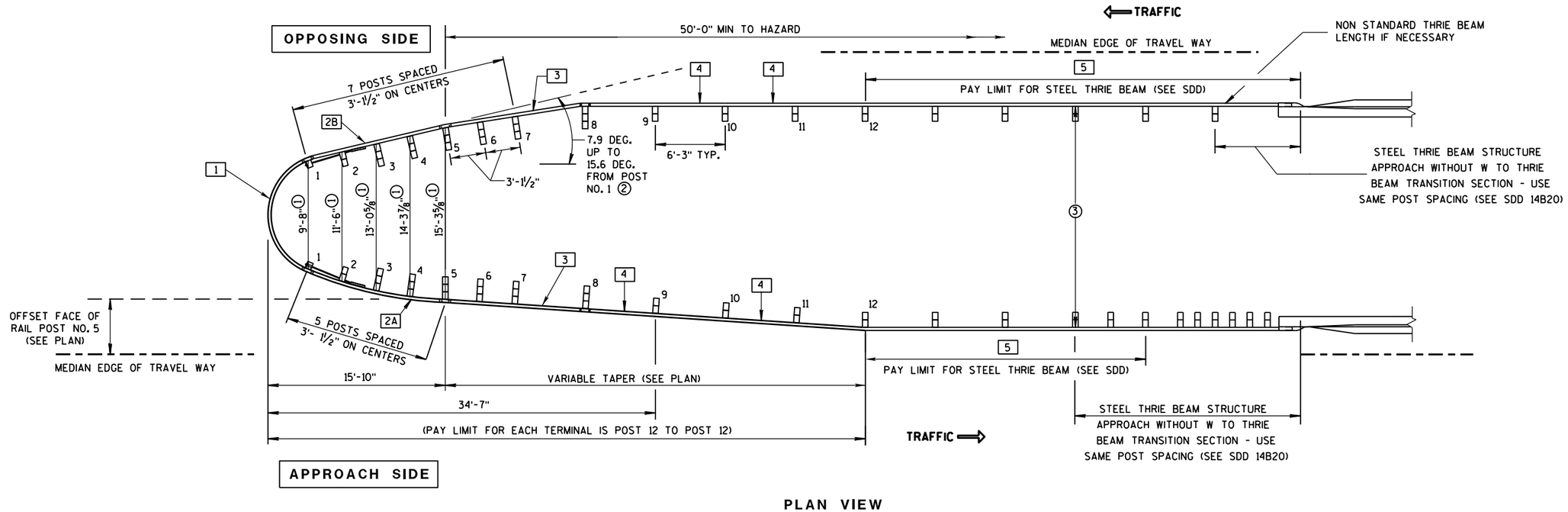
[4] UNBENT STANDARD THRIE-BEAM RAIL NO. 4, (POST 8 TO POST 10 & POST 10 TO POST 12)

[5] BEYOND POST 12: CONSTRUCT STEEL THRIE BEAM - USE UNBENT STANDARD THRIE BEAM RAIL NO. 5.

① DIMENSIONS ARE FROM BACK OF RAIL TO BACK OF RAIL WHERE RAIL IS BOLTED TO POST.

② TAPER BEGINNING AT POST NO. 1 MUST CONTINUE TO POST NO. 5. PAST POST NO. 5 TAPER MAY END OR BE EXTENDED UP TO 15.6 DEGREES TO FIT VARIABLE MEDIAN WIDTHS. (SEE PLAN)

③ FOR MEDIANS WIDER THAN 14'-2½" MEASURED FROM BACK OF RAIL TO BACK OF RAIL WHERE RAIL IS BOLTED TO A POST OR BLOCK.



PLAN VIEW

WIDENED BULLNOSE DESIGN

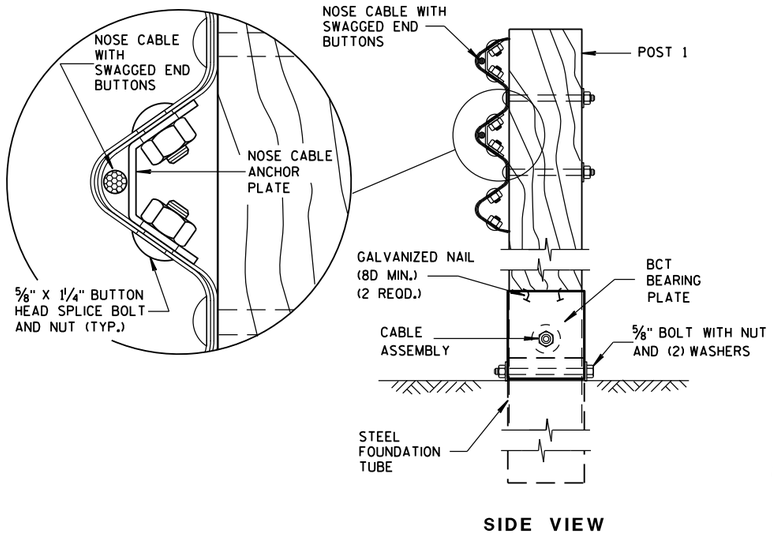
(INSTALLATION AT TWIN BRIDGES WITH BI-DIRECTIONAL TRAFFIC SHOWN)

STEEL THRIE BEAM
BULLNOSE TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

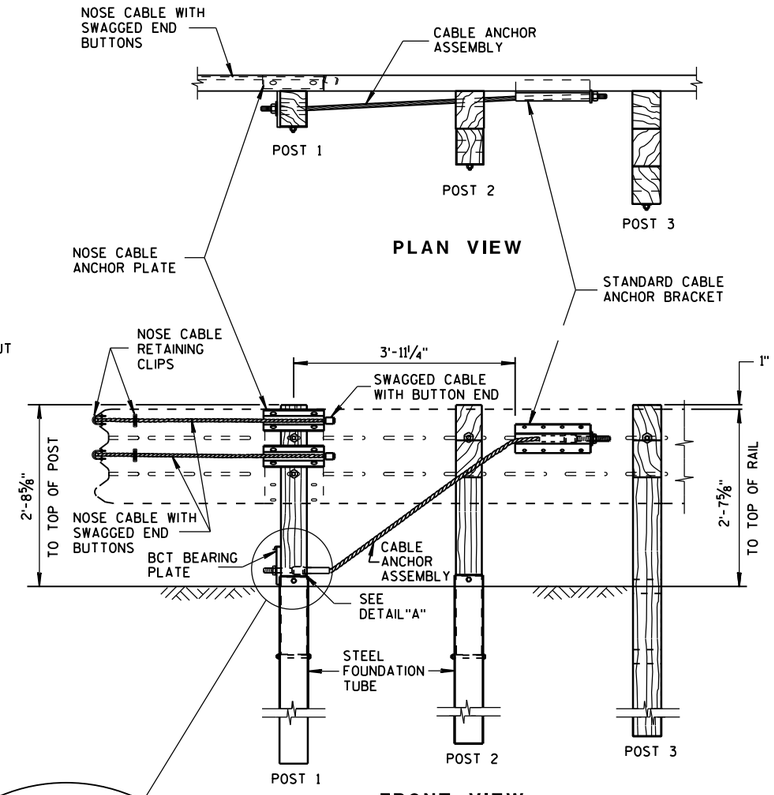
6

S.D.D. 14 B 26-3b



SIDE VIEW

NOSE CABLE ASSEMBLY AT POST NO. 1



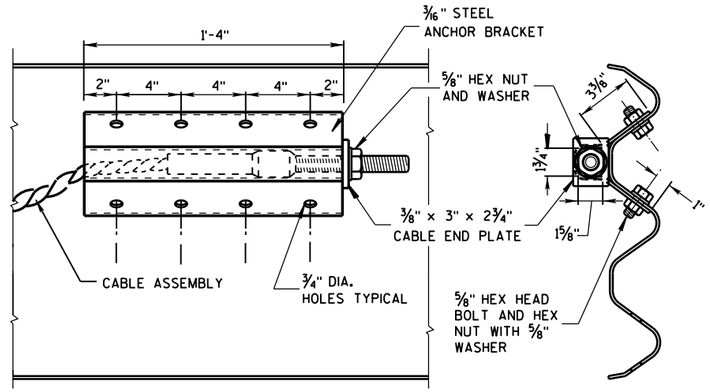
PLAN VIEW

FRONT VIEW

NOSE CABLE ANCHOR AND STANDARD BRACKET ASSEMBLY

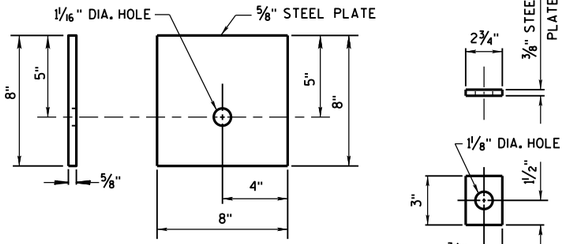
GENERAL NOTES

SEE STANDARD DETAIL DRAWINGS 14 B 26a-e.



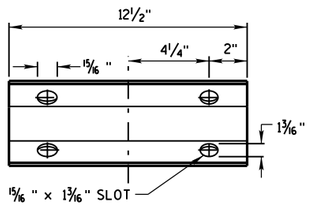
FRONT VIEW END VIEW

DETAILS OF CABLE ANCHOR BRACKET

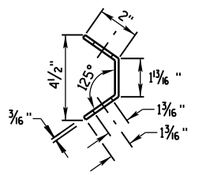


BCT BEARING PLATE

CABLE END PLATE



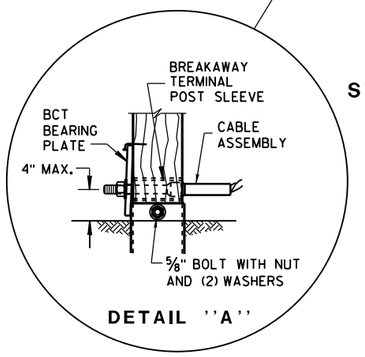
ELEVATION VIEW



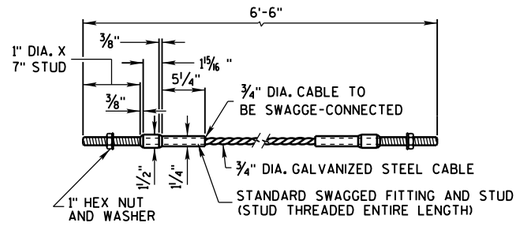
END VIEW

NOSE CABLE ANCHOR PLATE

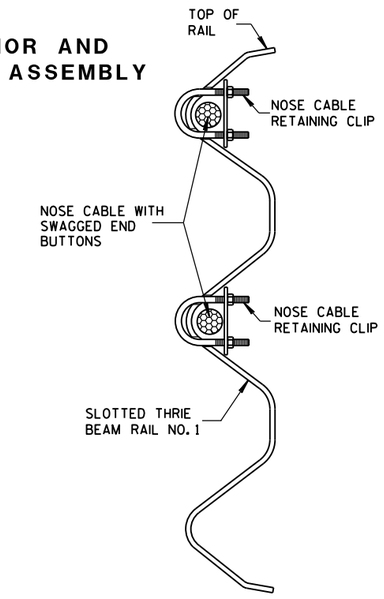
NOTE: 12 1/2" x 5 13/16" x 3/16" STEEL PLATE (A306)



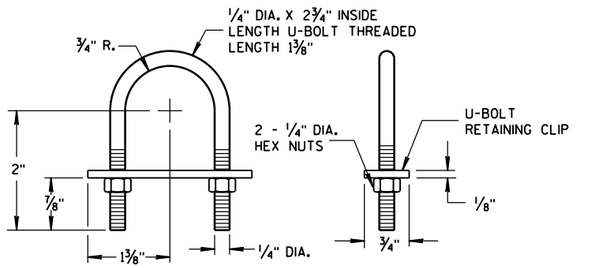
DETAIL ''A''



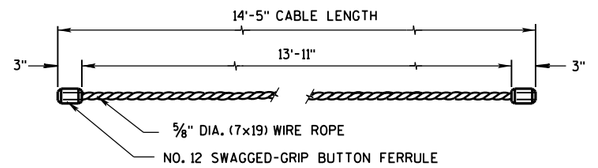
DETAILS OF CABLE ANCHOR ASSEMBLY



PLACEMENT OF NOSE CABLE RETAINING CLIP



NOSE CABLE RETAINING CLIP



NOSE CABLE WITH SWAGGED END BUTTONS

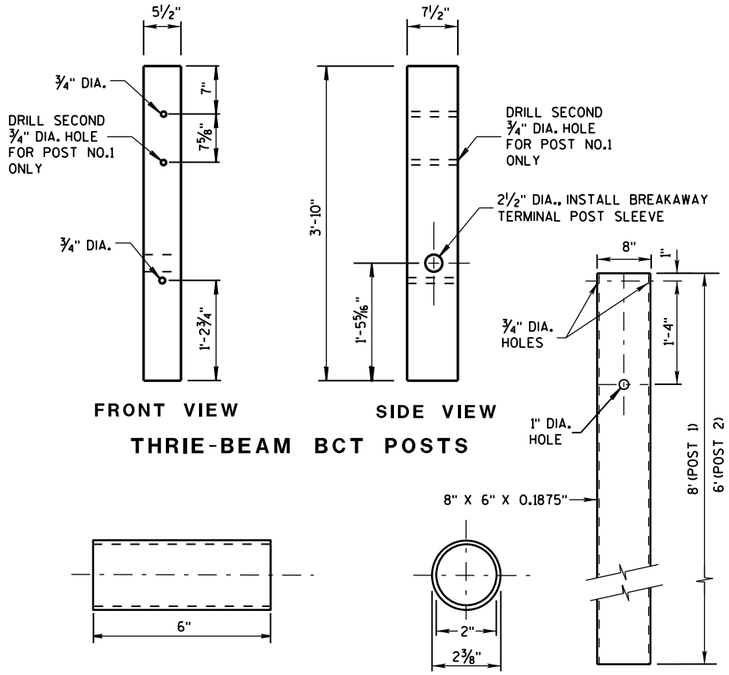
TO PULL OFF SWAGGED GRIP BUTTON FERRULE FROM WIRE ROPE REQUIRES A FORCE EQUAL TO 98% OF THE WIRE ROPE'S BREAKING STRENGHT.

STEEL THRIE BEAM BULLNOSE TERMINAL

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S.D.D. 14 B 26-3c

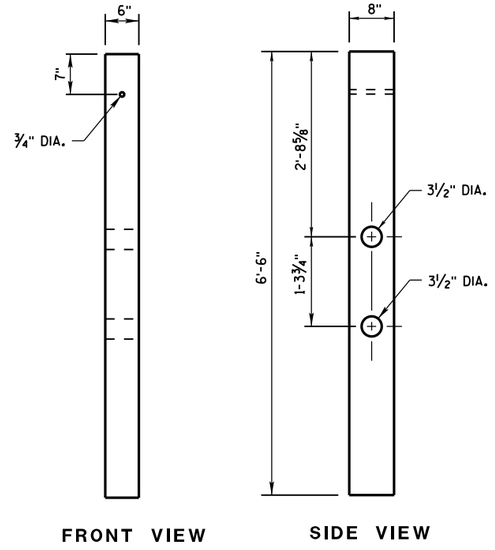


FRONT VIEW SIDE VIEW

THRIE-BEAM BCT POSTS

BREAKAWAY TERMINAL POST SLEEVE

STEEL FOUNDATION TUBE

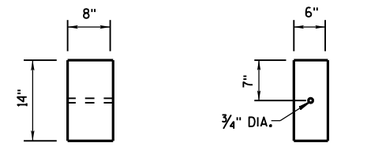


FRONT VIEW SIDE VIEW

THRIE-BEAM CRT WOOD POSTS

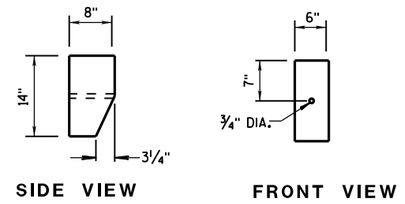
GENERAL NOTES

SEE STANDARD DETAIL DRAWINGS 14 B 26a-e.



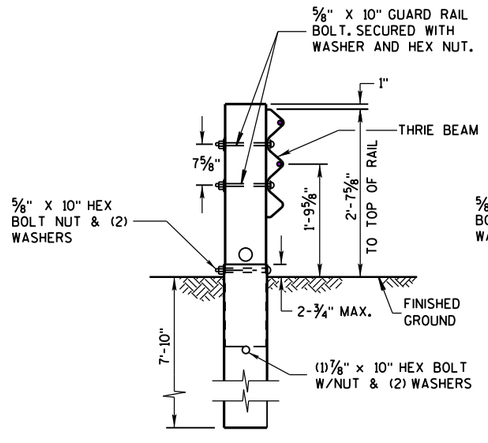
SIDE VIEW FRONT VIEW

STANDARD WOOD BLOCK



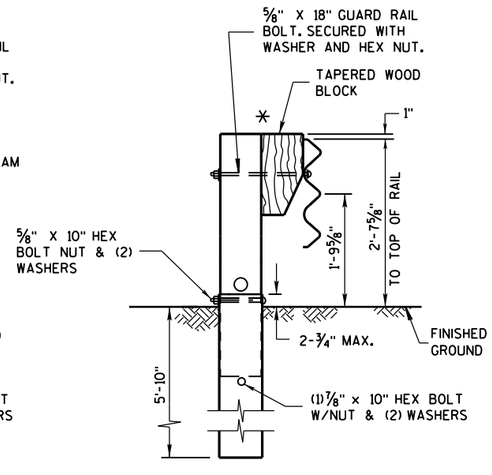
SIDE VIEW FRONT VIEW

TAPERED WOOD BLOCK



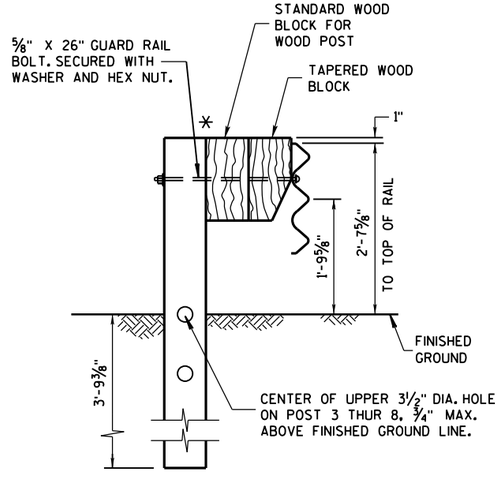
THRIE-BEAM BCT POST
(WITH 8'-0" FOUNDATION TUBE)

POST NO. 1



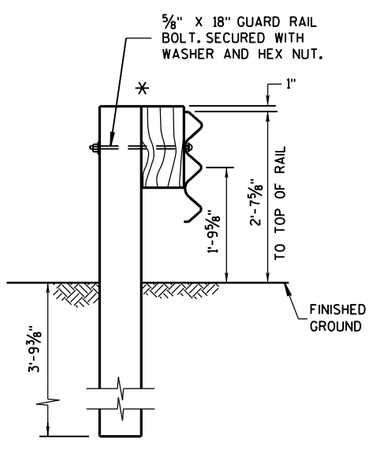
THRIE-BEAM BCT POST
(WITH 6'-0" FOUNDATION TUBE AND 1'-2" TAPERED BLOCK)

POST NO. 2



THRIE-BEAM CRT POST
(6'-6" LONG POST WITH 1'-2" BLOCK AND 1'-2" TAPERED BLOCK)

POST NO. 3,4,5,6,7, & 8



THRIE-BEAM POST
(6'-6" LONG POST WITH 1'-2" BLOCK)

POST NO. 9,10,11,& 12
(ALSO USE FOR STEEL THRIE BEAM BEYOND POST 12)

* IF NEEDED DUE TO AN UNDERGROUND OBSTACLE ADD 1 ADDITIONAL STANDARD BLOCKOUT TO POST.

STEEL THRIE BEAM BULLNOSE TERMINAL

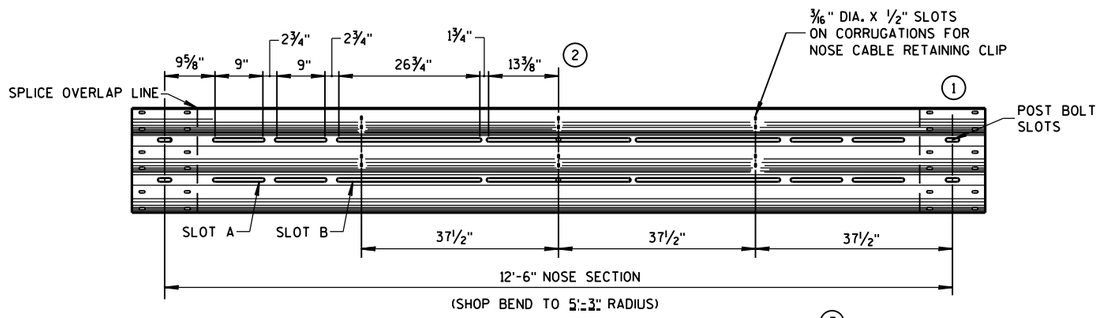
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 572

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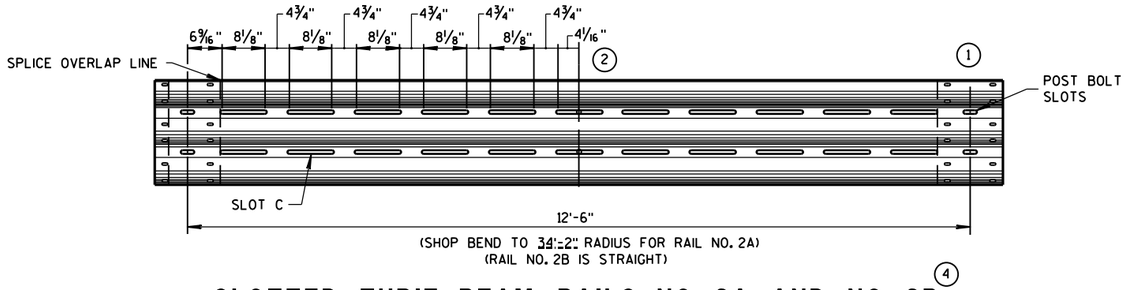
S.D.D. 14 B 26-3d

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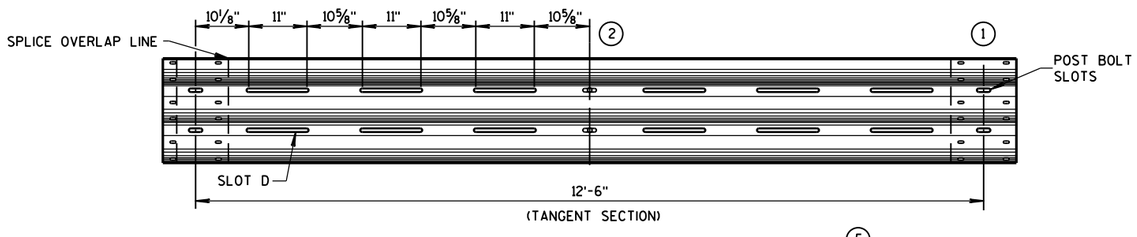
S.D.D. 14 B 26-3d



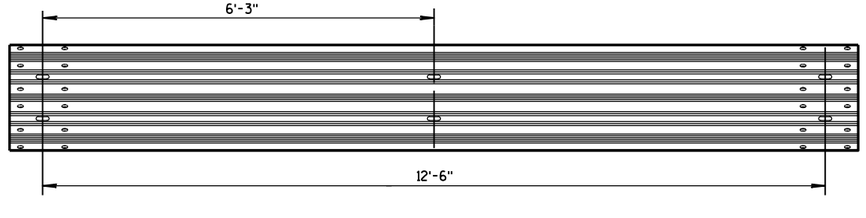
SLOTTED THRIE BEAM RAIL NO. 1 (3)



SLOTTED THRIE BEAM RAILS NO. 2A AND NO. 2B (4)



SLOTTED THRIE BEAM RAIL NO. 3 (5)



UNBENT STANDARD THRIE BEAM RAIL NO. 4 AND NO. 5

GENERAL NOTES

SEE STANADRD DETAIL DRAWINGS 14 B 26a-e.

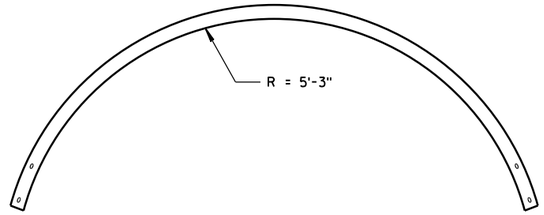
(1) SLOTTED THRIE BEAM RAIL DIMENSIONS SHOWN ARE BEFORE BENDING TO THE RADIUS SHOWN.

(2) SLOT SIZE AND SPACING SYMMETRIC.

(3) SLOTTED THRIE BEAM RAIL NO. 1, 12'-6", SHOP BEND TO R=5'-3".

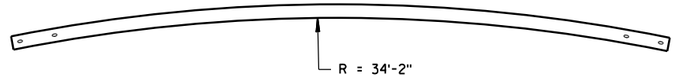
(4) SLOTTED THRIE BEAM RAIL NO. 2A, 12'-6", SHOP BEND TO R=34'-2".
SLOTTED THRIE BEAM RAIL NO. 2B, 12'-6", RAIL IS STRAIGHT.

(5) SLOTTED THRIE BEAM RAIL NO. 3, 12'-6", TANGENT.



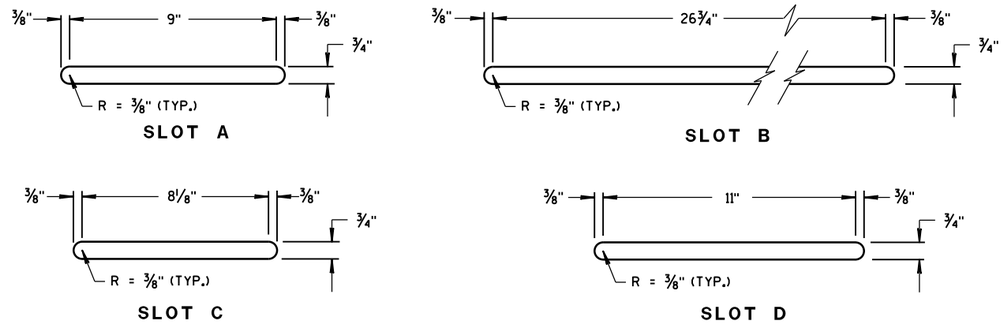
PLAN VIEW

SLOTTED THRIE BEAM RAIL NO. 1



PLAN VIEW

SLOTTED THRIE BEAM RAIL NO. 2A



SLOT DETAILS

STEEL THRIE BEAM
BULLNOSE TERMINAL

STATE OF WISCONSIN
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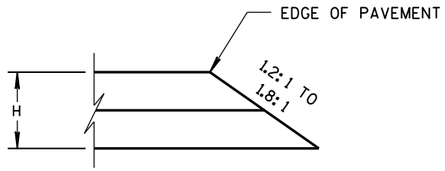
APPROVED
June 2014 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
573
NT
FHWA

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S.D.D. 14 B 26-3e

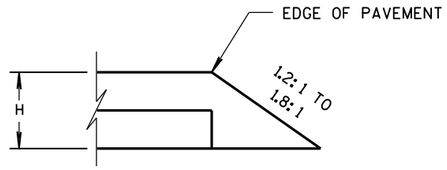
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S.D.D. 14 B 26-3e



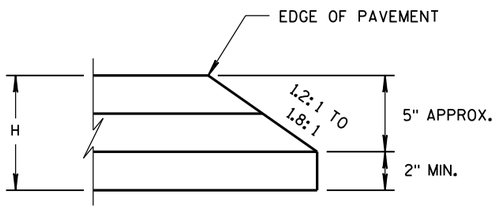
CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS



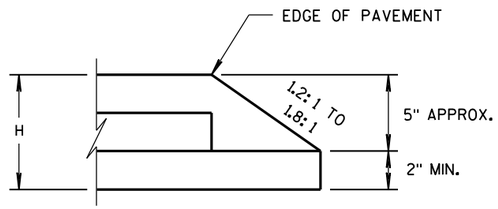
CONSTRUCTED WITH FINAL LAYER

FOR H 5" OR LESS



CONSTRUCTED WITH FINAL TWO LAYERS

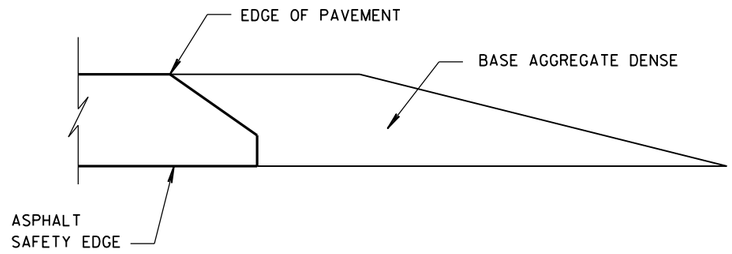
FOR H GREATER THAN 5"



CONSTRUCTED WITH FINAL LAYER

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

6

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S.D.D. 14 B 29-1

S.D.D. 14 B 29-1

SAFETY EDGE SM

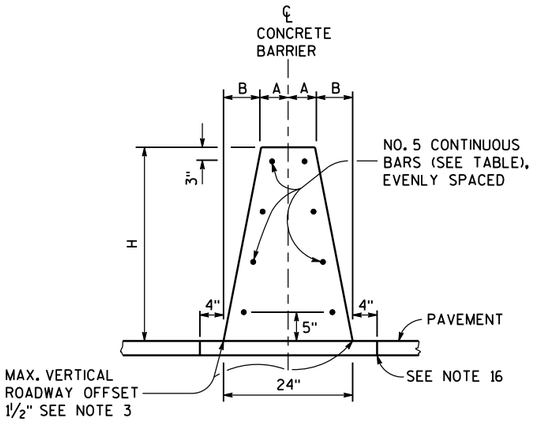
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APPROVED

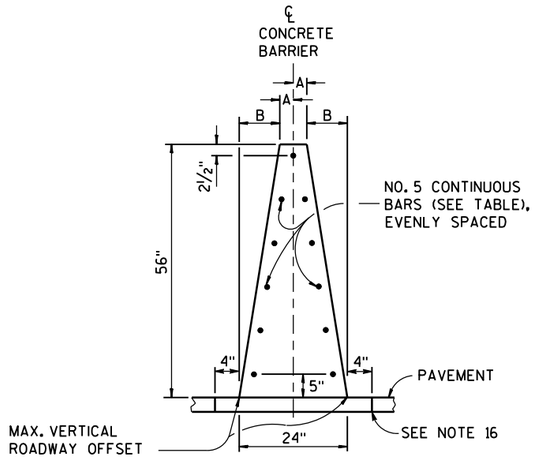
11/30/2012
DATE

/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER

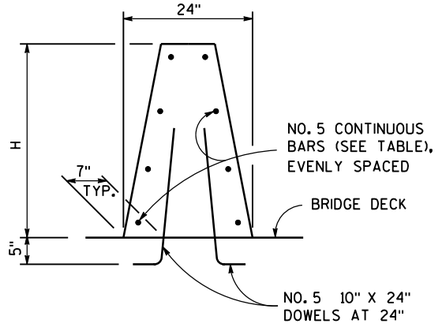
FHWA



32-INCH, 36-INCH OR 42-INCH SINGLE SLOPE CONCRETE BARRIER (TYPE S32, TYPE S36, AND TYPE S42)



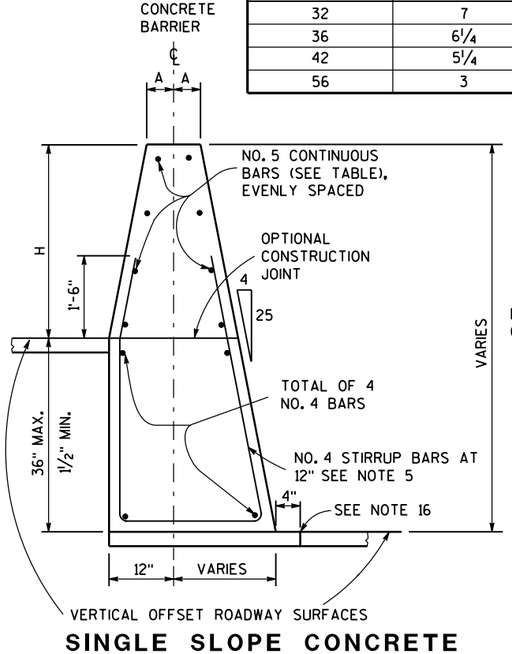
56-INCH SINGLE SLOPE CONCRETE BARRIER (TYPE S56)



SINGLE SLOPE CONCRETE BARRIER ON BRIDGE

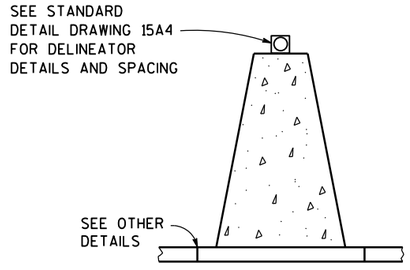
NON OUTER PARAPET APPLICATION

BARRIER HEIGHT H INCHES	A INCHES	B INCHES	NUMBER OF NO. 5 BARS EACH
32	7	5	8
36	6¼	5¾	8
42	5¼	6¾	10
56	3	9	11

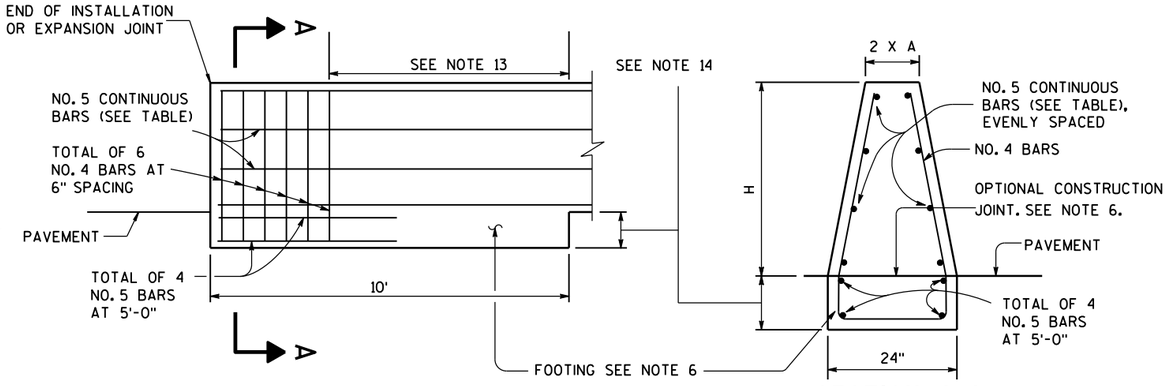


SINGLE SLOPE CONCRETE BARRIER AND RETAINING WALL (TYPE S32A, TYPE S36A, TYPE S42A, TYPE S56A)

(BETWEEN ADJACENT ROADWAYS)



DELINEATION



END ANCHOR SINGLE SLOPE CONCRETE BARRIER

AT CONSTRUCTION JOINT

SECTION A-A

GENERAL NOTES

1. WHERE THE CONCRETE BARRIER IS ADDED TO THE FACE OF EXISTING CONCRETE STRUCTURE, MATCH EXISTING WEEP HOLES.
2. EXPANSION JOINTS IN CONCRETE BARRIER SHALL BE LOCATED AT ALL DECK, AND PRINCIPAL WALL JOINTS. EXPANSION JOINT FILLER MATERIAL SHALL BE THE SAME SIZE AS JOINT OR ½" MINIMUM.
3. WHERE VERTICAL ROADWAY OFFSET IS GREATER THAN 1½", USE TYPE A
4. PLACE BARRIER PERPENDICULAR TO SHOULDER GRADE, UNLESS INDICATED IN PLAN.
5. EXCEPT IN ANCHORS, VERTICAL REINFORCING STIRRUP NOT REQUIRED FOR ROADWAY OFFSETS LESS THAN 1'-0".
6. FOR TYPE S32, TYPE S36, TYPE S42, AND S56 MONOLITHIC FOOTING OR DOWELED FOOTING WITH 2-#8 x 8" @ 2'-0".
7. STAGGER LAPPING OF LONGITUDINAL STEEL. MINIMUM OVERLAP OF STEEL 2 FEET. BARS AT LAPS TO BE FIRMLY TIED OR CONNECTED.
8. 4000 PSI CONCRETE AIR ENTRAINMENT PER STANDARD SPECIFICATION 501.
9. WHEN SWITCHING BETWEEN SLIP FORM AND CAST-IN-PLACE OPERATIONS, EXTEND LONGITUDINAL STEEL 3 FEET BEYOND SLIP-FORMING CUT OFF POINT. EXPOSED STEEL INTO NEXT POURS REINFORCEMENT. LAPS TO BE FIRMLY TIED.
10. USE ¾" BEVEL OR 1" RADIUS ON ALL EXPOSED SHARP EDGES UNLESS OTHERWISE NOTED.
11. 2" CLEAR COVER TYPICAL.
12. COLD-JOINTS MAY BE USED BETWEEN ANCHOR INSTALLATIONS. WHEN A COLD JOINT IS NEEDED, 3 FEET OF LAP OF LONGITUDINAL STEEL IS REQUIRED. LAPS TO BE FIRMLY TIED.
13. IN TYPE S32, TYPE S36, TYPE S42 AND TYPE S56 NO ADDITIONAL VERTICAL STEEL NEEDED. IN TYPE S32A, TYPE S36A, TYPE S42A AND TYPE S56A REQUIRES VERTICAL STEEL. SEE OTHER DETAIL.
14. IN TYPE S32, TYPE S36, TYPE S42 AND TYPE S56 DEPTH OF FOOTING 10". IN TYPE S32A, TYPE S36A, TYPE S42A AND TYPE S56A MATCH TOTAL HEIGHT OF SINGLE SLOPE BARRIER RETAINING WALL.
15. FOR ALL BARRIER TYPES SHOWN, ANCHOR IS REQUIRED AT CONCRETE BARRIER ENDS AND AT INTERRUPTIONS IN CONCRETE BARRIER. ANCHOR MAY BE AS SHOWN ON DRAWING OR DETAILS SHOWN ON S.D.D. 14B33. ANCHORS INCIDENTAL TO CBSS.
16. CONCRETE PAD UNDER CBSS MAY BE PLACED INTEGRAL WITH BARRIER, PLACED SEPARATELY OR PLACED WITH CONCRETE SHOULDER AND SAWED FULL DEPTH. CONCRETE PAD MINIMUM DEPTH IS 6 INCHES, OR EQUAL TO THE DEPTH OF THE CONCRETE SHOULDER.

CONCRETE BARRIER SINGLE SLOPE (CBSS)

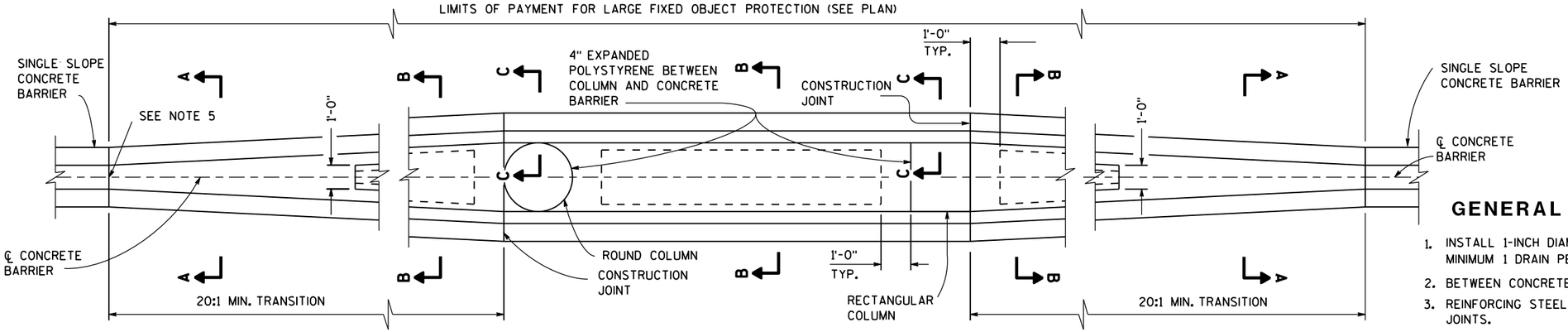
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 575

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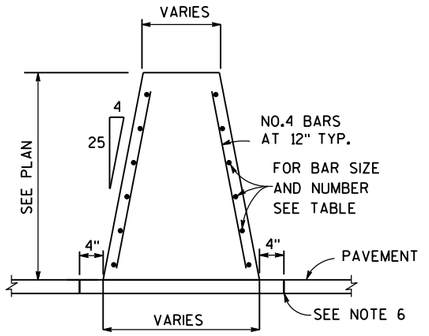
S.D.D. 14 B 32-5a

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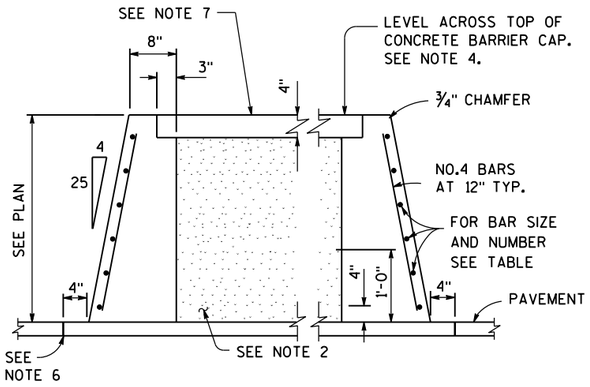
S.D.D. 14 B 32-5a



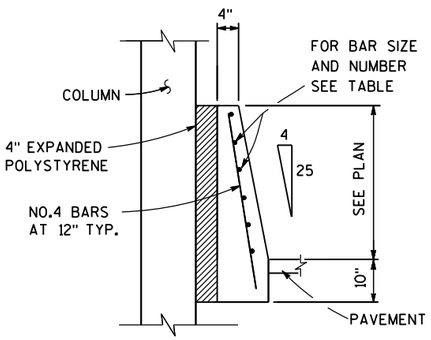
LARGE FIXED OBJECTS PROTECTION
TYPE S32, TYPE S36, TYPE S42, TYPE S56



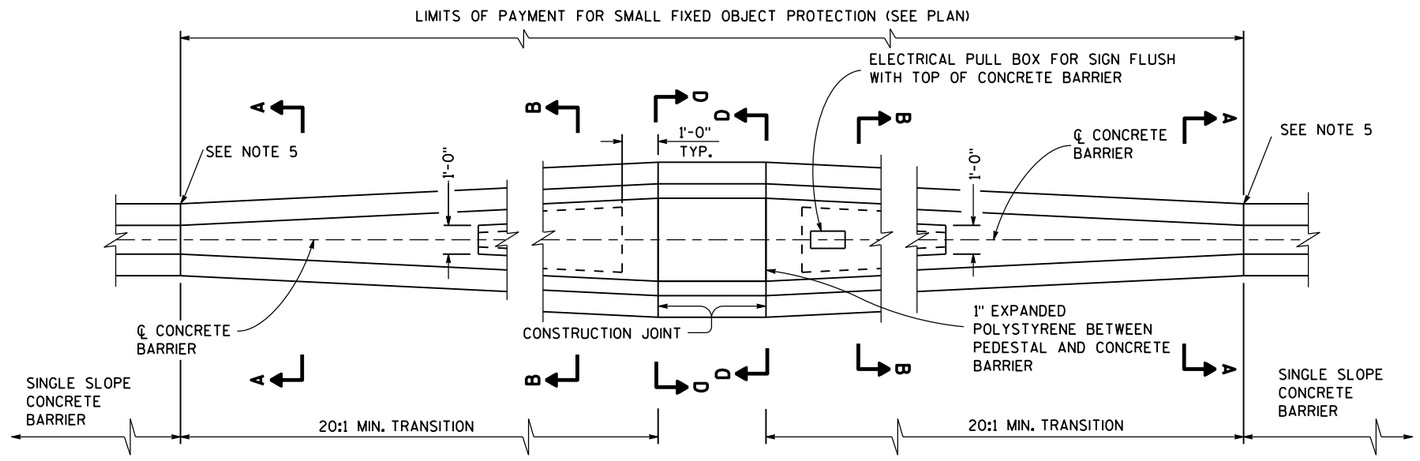
SECTION A-A



SECTION B-B



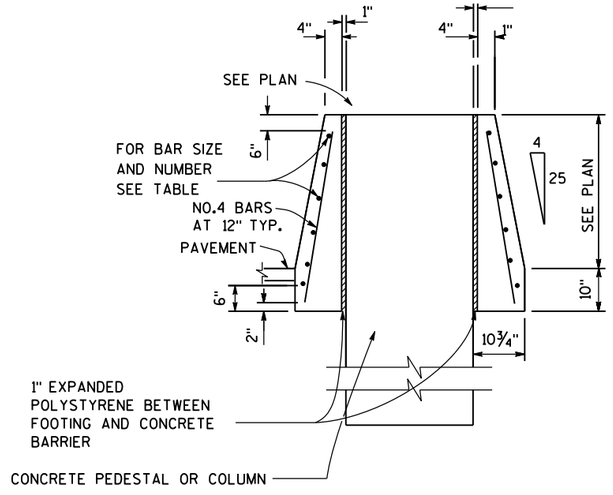
SECTION C-C



SMALL FIXED OBJECTS PROTECTION
TYPE S32, TYPE S36, TYPE S42, TYPE S56

GENERAL NOTES

1. INSTALL 1-INCH DIAMETER DRAIN PIPE EVERY 20 FEET OF CROSS SECTION B-B. MINIMUM 1 DRAIN PER CAVITY.
2. BETWEEN CONCRETE BARRIER WALLS FILL WITH FOUNDATION BACKFILL.
3. REINFORCING STEEL SHALL EXTEND CONTINUOUS THROUGH CONSTRUCTION JOINTS.
4. ADJUST HEIGHT OF CONCRETE BARRIER WALL ON LOW SIDE OF OFFSET OR SUPERELEVATED ROADWAYS TO PROVIDE LEVEL GRADE ACROSS TOP OF CONCRETE CAP.
5. IF FIXED OBJECT PROTECTION IS INSTALLED FIRST, USE COLD JOINTS. IF CBSS PLACED FIRST, USE EXPANSION JOINT.
6. CONCRETE PAD UNDER CBSS MAY BE PLACED INTEGRAL WITH BARRIER, PLACED SEPARATELY OR PLACED WITH CONCRETE SHOULDER AND SAWED FULL DEPTH. SAWING OF CONCRETE SHOULDER IS INCIDENTAL TO CONCRETE BARRIER BID ITEM. CONCRETE PAD MINIMUM DEPTH IS 6 INCHES, OR EQUAL TO THE DEPTH OF THE CONCRETE SHOULDER.
7. USE NO. 3 BAR SPACED 12 INCHES CENTER TO CENTER (PLACED IN EACH DIRECTION) OR EQUIVALENT WIRE MESH.



SECTION D-D

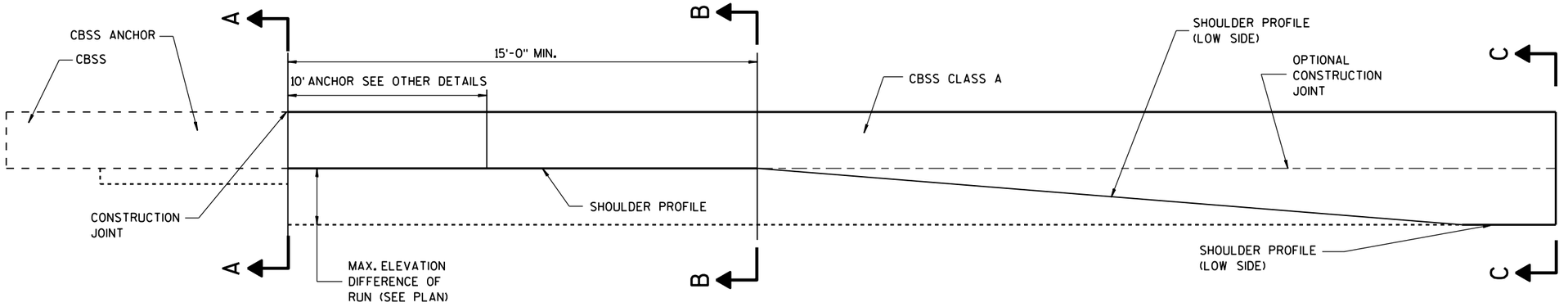
BARRIER HEIGHT H INCHES	BAR SIZE	NUMBER OF BARS EACH
32	4	6
36	4	6
42	5	6
56	5	9

CONCRETE BARRIER SINGLE SLOPE (CBSS)

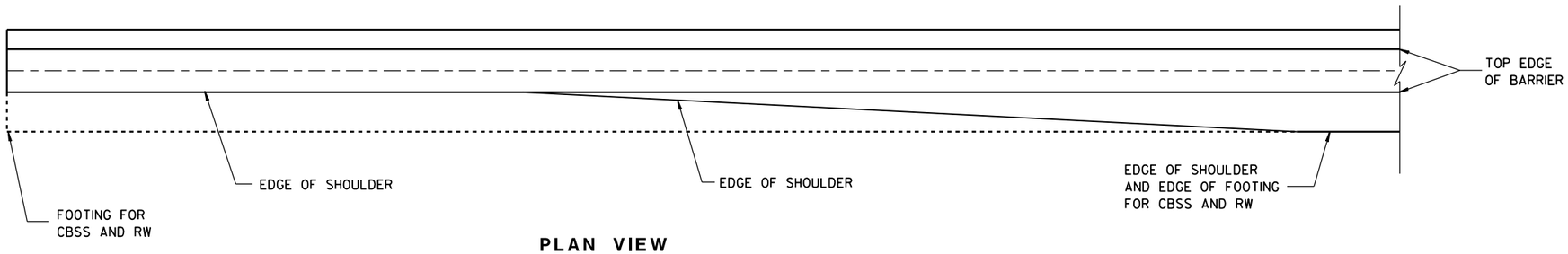
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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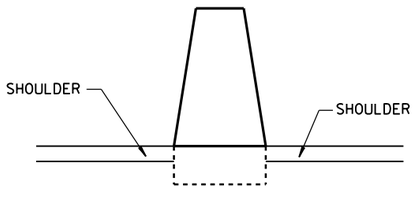
S.D.D. 14 B 32-5b



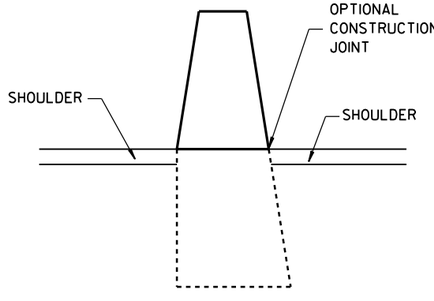
ELEVATION VIEW
TRANSITION TO CBSS CLASS A
(TYPE S32A, TYPE S36A, TYPE S42A, TYPE S56A)



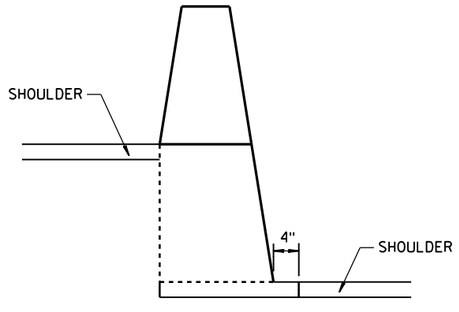
PLAN VIEW
TRANSITION TO CBSS CLASS A
(TYPE S32A, TYPE S36A, TYPE S42A, TYPE S56A)



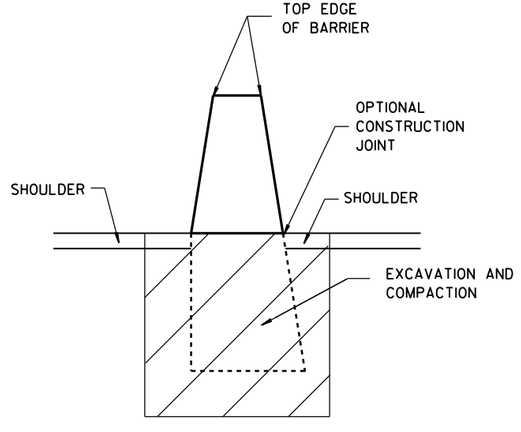
SECTION A-A



SECTION B-B



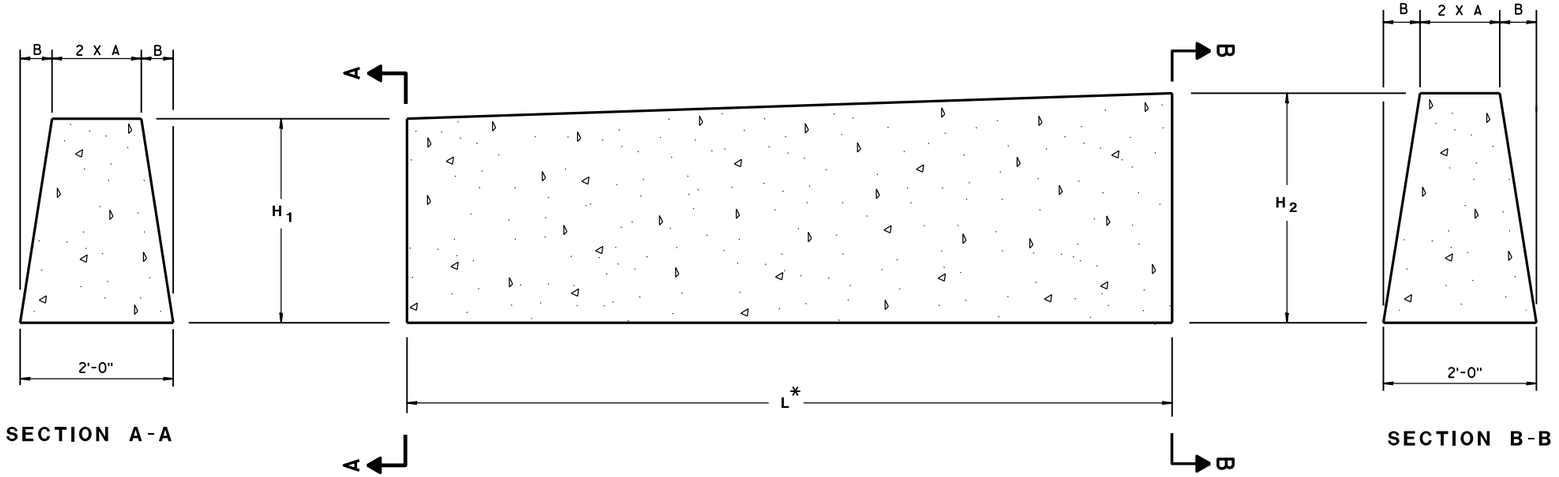
SECTION C-C



CONCRETE BARRIER SINGLE SLOPE (CBSS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6
S.D.D. 14 B 32-5c



SECTION A-A

SECTION B-B

DOUBLE COLD JOINT HEIGHT TRANSITION

BARRIER DIMENSIONS

BARRIER HEIGHT INCHES	A INCHES	B INCHES
32	7	5
36	6 1/4	5 3/4
42	5 1/4	6 3/4
56	3	9

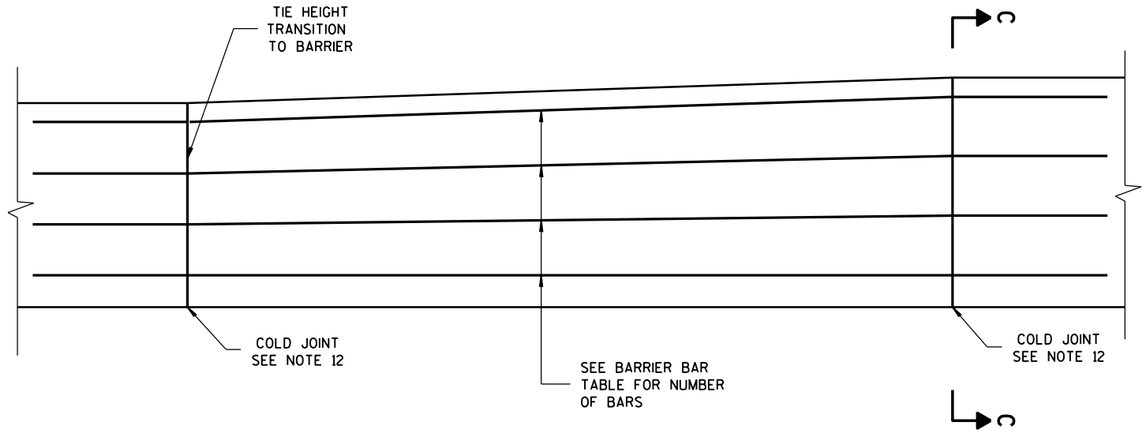
MULTIPLE HEIGHT TRANSITIONS MAY BE USED IN SEQUENCE TO GET TO APPROPRIATE HEIGHT.

USE COLD JOINT TO CONNECT MULTIPLE HEIGHT TRANSITIONS.

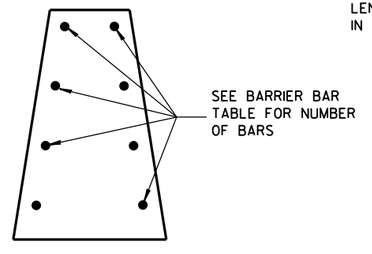
BARRIER BARS

H_1	H_2	L*	NUMBER OF NO. 5 BARS
32"	36"	10'-0"	8
36"	42"	10'-6"	10
42"	56"	24'-6"	11

* LENGTH OF DOUBLE COLD JOINT INCLUDED IN THE TOTAL LENGTH OF CBSS.



STEEL REINFORCEMENT DETAIL



SECTION C-C

CONCRETE BARRIER SINGLE SLOPE

STATE OF WISCONSIN
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APPROVED
June 2017
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS D UNIT SUPERVI

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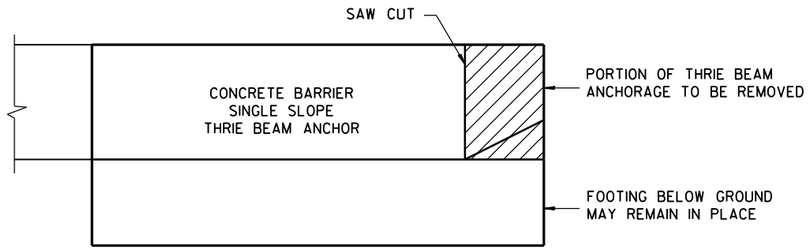
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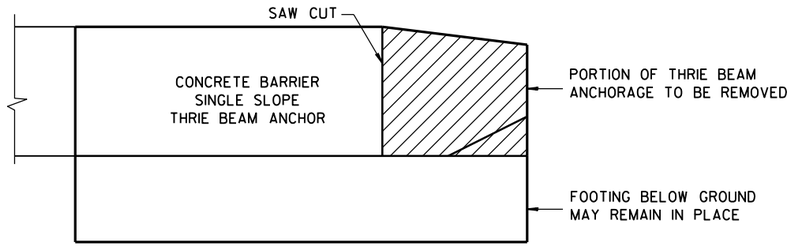
S.D.D. 14 B 32-5d

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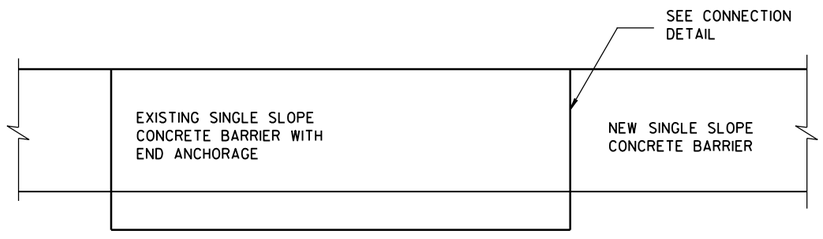
S.D.D. 14 B 32-5d



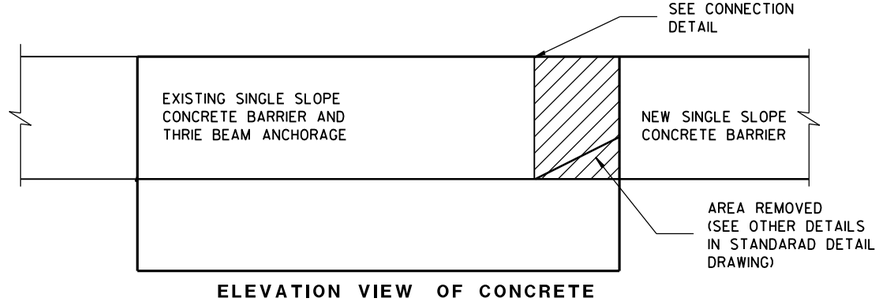
REMOVAL AREA OF
32" CONCRETE THRIE BEAM ANCHORAGE



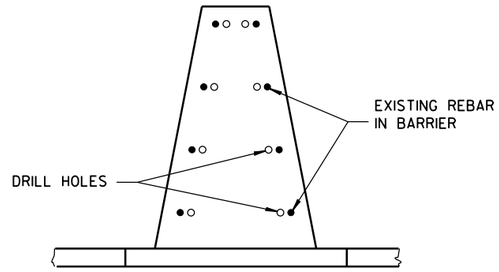
REMOVAL AREA OF CONCRETE THRIE BEAM
ANCHORAGE WITH HEIGHT GREATER THAN 32"



ELEVATION VIEW OF CONCRETE
BARRIER EXTENSION NEAR END ANCHORAGE



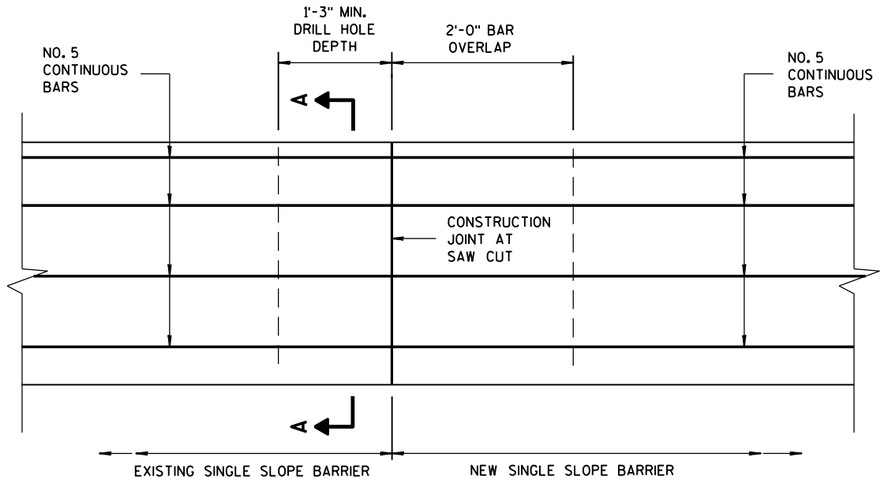
ELEVATION VIEW OF CONCRETE
BARRIER EXTENSION NEAR THRIE BEAM TERMINAL



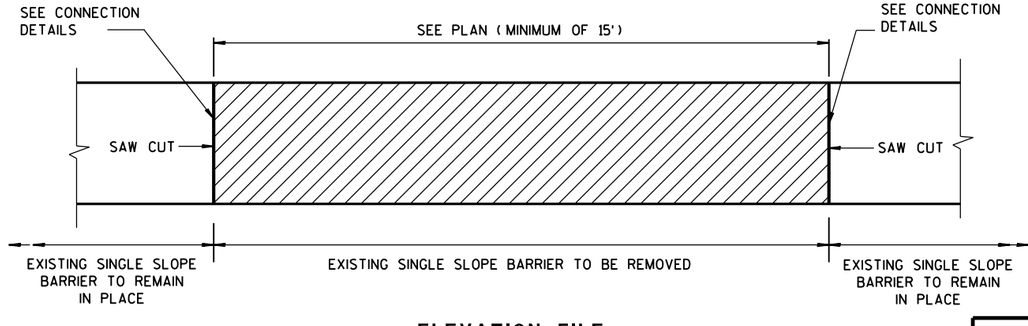
SECTION A-A

GENERAL NOTES

1. THE NUMBER OF DRILL HOLES IS EQUAL TO THE NUMBER OF REBAR IN BARRIER (SEE OTHER DETAILS).
2. MINIMUM DEPTH OF DRILL HOLES IS 1'-3".
3. DRILL HOLES TO BE A MINIMUM OF 4 INCHES FROM THE EDGE OF CONCRETE.
4. INSTALL EPOXY COATED NO. 5 BARS IN DRILL HOLES.
5. END ANCHORAGE MAY OR MAY NOT BE PRESENT ON EXISTING BARRIER.
6. REMOVE THRIE BEAM ANCHORAGE AS SHOWN.



CONNECTION OF EXISTING SINGLE SLOPE CONCRETE BARRIER TO
NEW SINGLE SLOPE CONCRETE BARRIER



ELEVATION FILE
BARRIER REMOVAL AND REPLACEMENT

CONCRETE BARRIER
SINGLE SLOPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D[illegible] UNIT SUPERVI[illegible]
FHWA

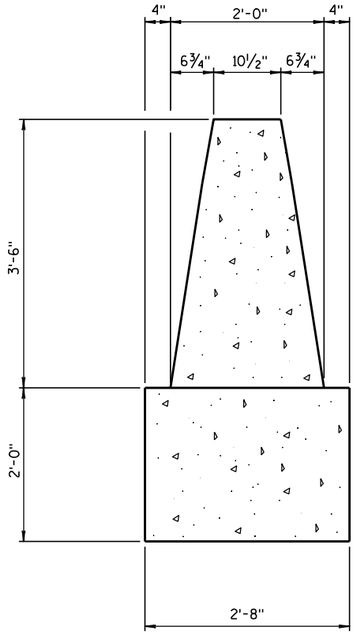
RETROFIT OR REPAIR SINGLE SLOPE CONCRETE BARRIER

6

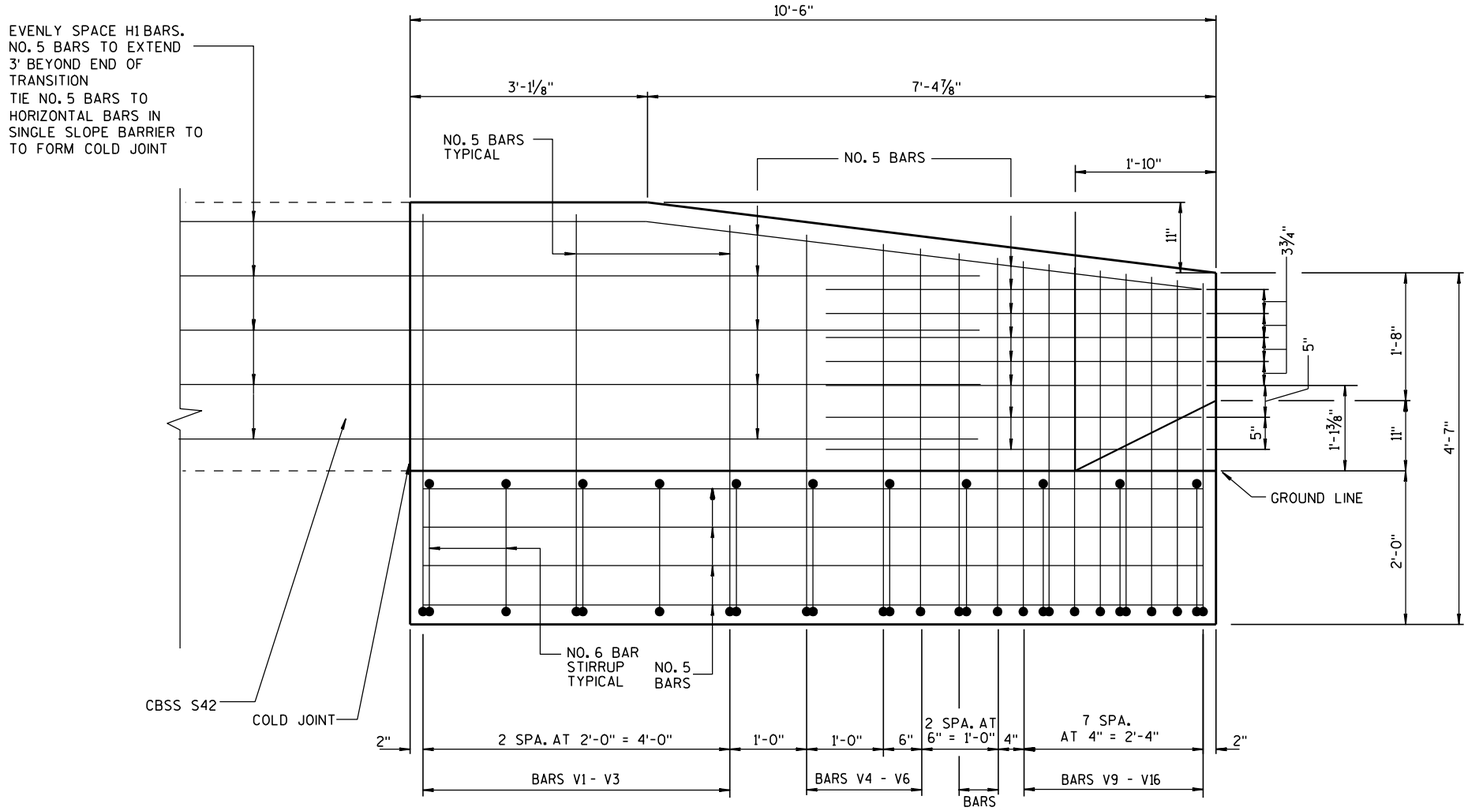
S.D.D. 14 B 32-5e

6

S.D.D. 14 B 32-5e

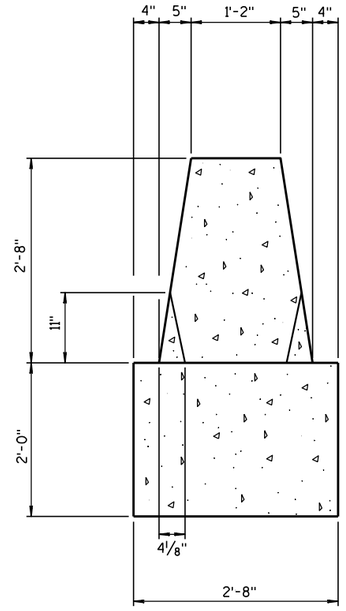


SECTION A-A

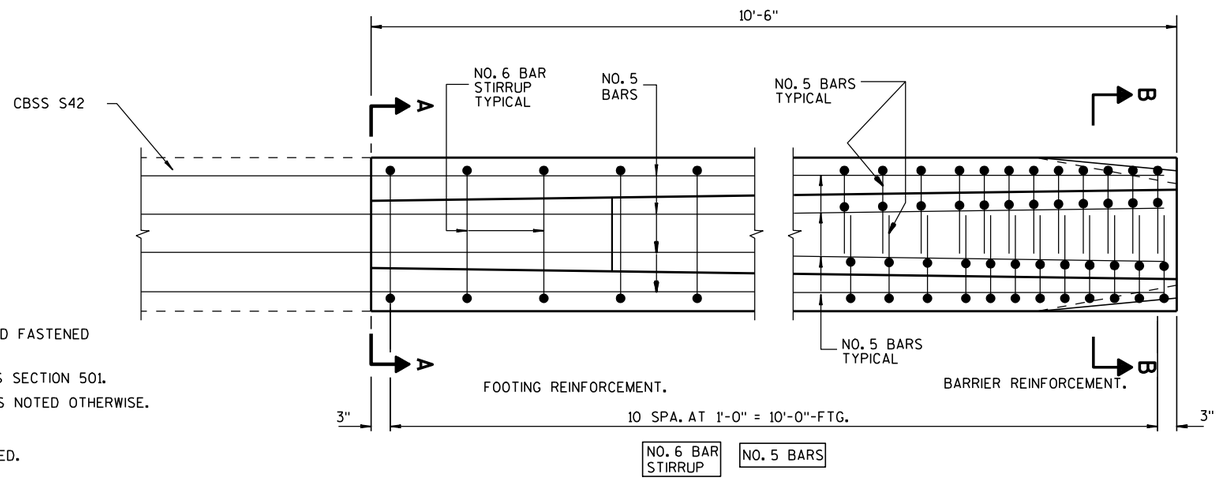


SEE SECTIONS ① THRU ⑯

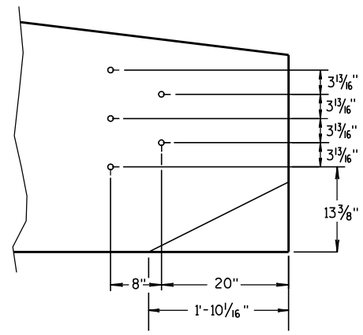
ELEVATION VIEW



SECTION B-B



PLAN VIEW



PVC PIPE LOCATIONS

GENERAL NOTES

CONSTRUCT PER STANDARD SPECIFICATION 603.

SPLICES OF LONGITUDINAL BARS TO BE 2'LONG AND FIRMLY TIED AND FASTENED TOGETHER UNLESS NOTED OTHERWISE.

4000 PSI CONCRETE AIR ENTRAINMENT PER STANDARD SPECIFICATIONS SECTION 501.

USE ¾" BEVEL OR 1" RADIUS ON ALL EXPOSED SHARP EDGES UNLESS NOTED OTHERWISE.

THRIE BEAM ANCHOR INCIDENTAL TO CONCRETE BARRIER ITEM.

INSTALL SCHEDULE 40 PVC PIPE 1" DIAMETER AT LOCATIONS INDICATED.

EXTEND PVC PIPE COMPLETELY THROUGH BARRIER.

CUT ENDS OF PVC PIPE FLUSH WITH FINISHED FACE of BARRIER.

THE NUMBER IN BAR DESIGNATION REPRESENTS THE BARS LOCATION.

2" CLEAR COVER TYPICAL.

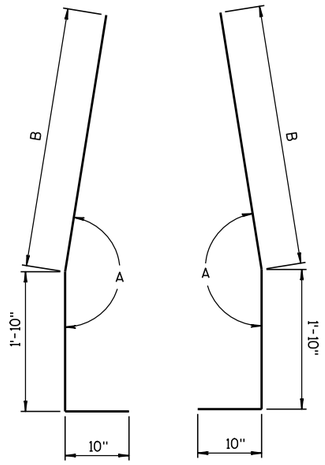
CONCRETE BARRIER SINGLE SLOPE 42" THRIE BEAM ANCHOR

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
S.D.D. 14 B 33-1g

BAR CHART
SECTIONS V1 - V11

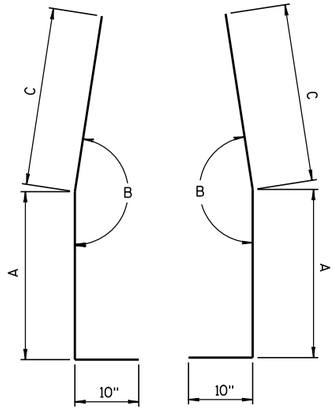
BAR	A	B
V1	170°-50'	3'-4½"
V2	171°-20'	3'-4½"
V3	171°-30'	3'-2½"
V4	171°-25'	3'-1½"
V5	171°-15'	3'-0"
V6	171°-15'	2'-11"
V7	171°-20'	2'-10½"
V8	171°-10'	2'-9½"
V9	171°-10'	2'-9"
V10	171°-05'	2'-8½"
V11	171°-10'	2'-8"



BAR BENDING DETAIL
FOR BARS V1 - V11

BAR CHART
SECTIONS V12 - V13

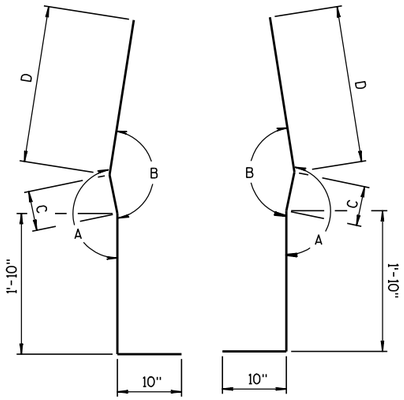
BAR	A	B	C
V12	2'-2"	171°-15'	2'-3½"
V13	2'-7"	171°-05'	1'-10"



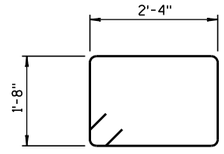
BAR BENDING DETAIL
FOR BARS V12 - V13

BAR CHART
SECTIONS V14 - V16

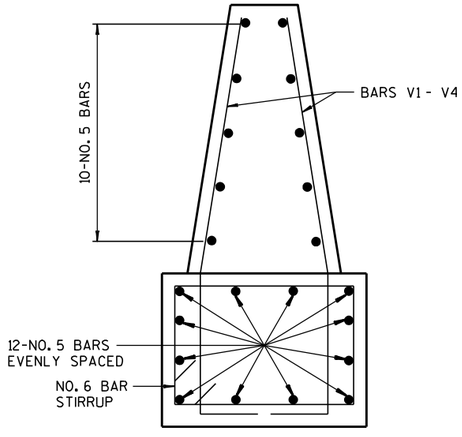
BAR	A	B	C	D
V14	168°-15'	159°-15'	6"	2'-0"
V15	169°-20'	161°-00'	8"	1'-10"
V16	168°-40'	160°-10'	10"	1'-8"



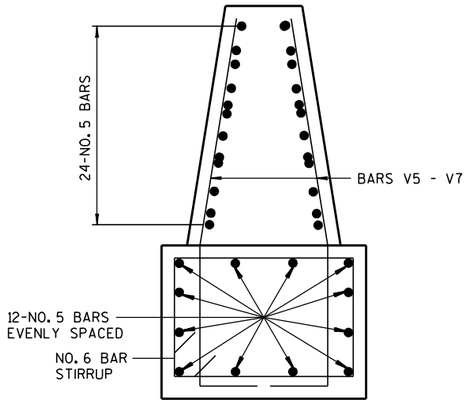
BAR BENDING DETAIL
FOR BARS V14 - V16



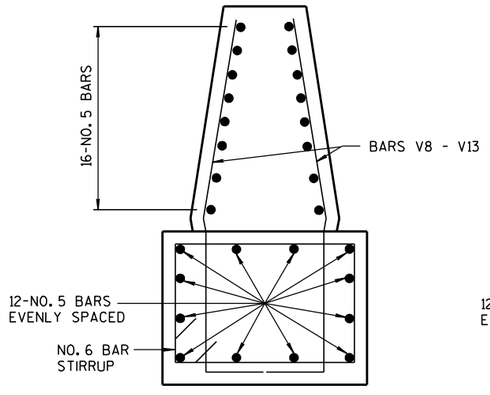
STIRRUP BAR
BENDING DETAIL



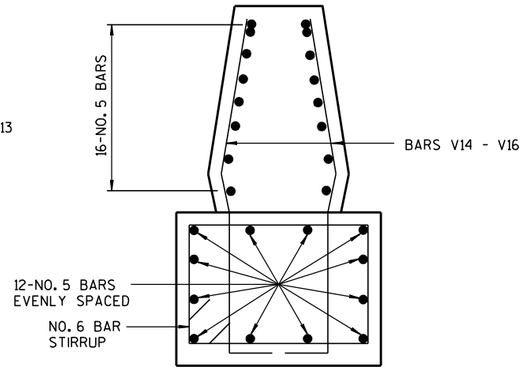
BAR DETAIL
SECTIONS V1 - V4



BAR DETAIL
SECTIONS V5 - V7



BAR DETAIL
SECTIONS V8 - V13



BAR DETAIL
SECTIONS V14 - V16

CONCRETE BARRIER
SINGLE SLOPE 42"
THRIE BEAM ANCHOR

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6-3-2010 DATE
/S/ Jerry H. Z---
ROADWAY STANDARDS ENGINEER
FHWA

6
S.D.D. 14 B 33-1h

(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.

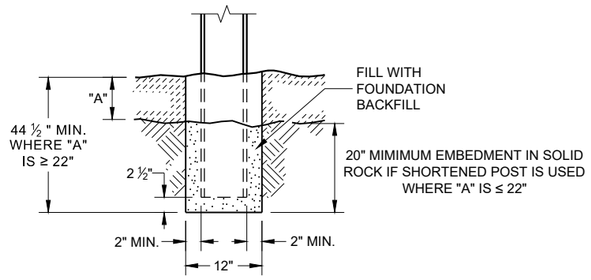
(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL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

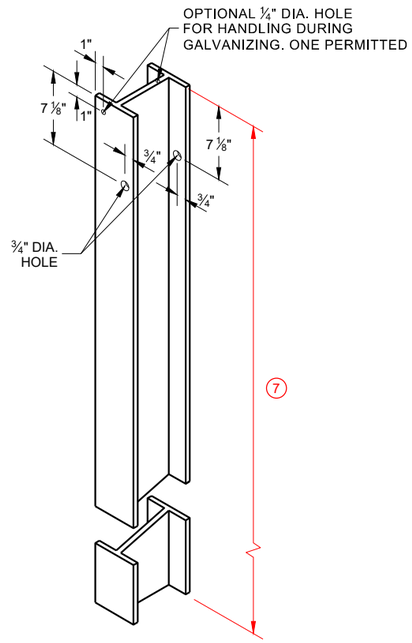
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ±1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

(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.

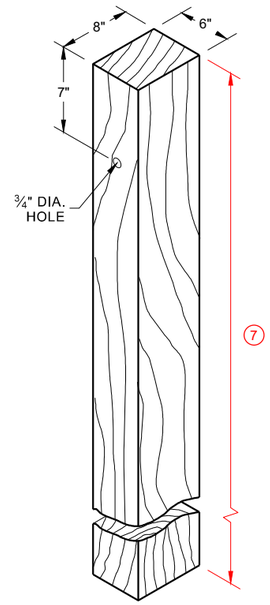
(7) TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



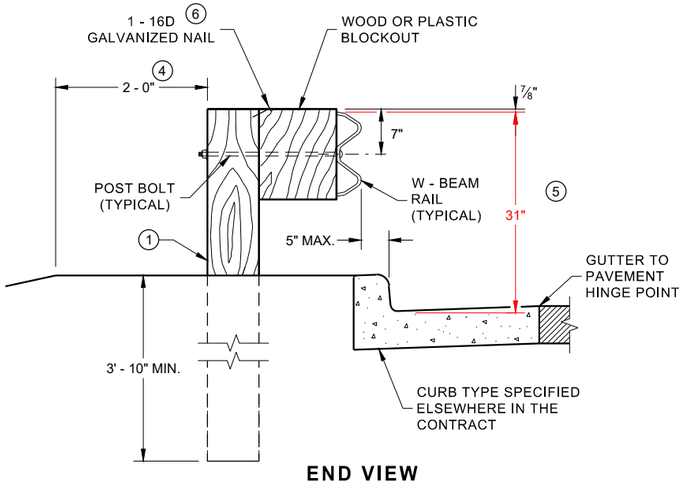
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



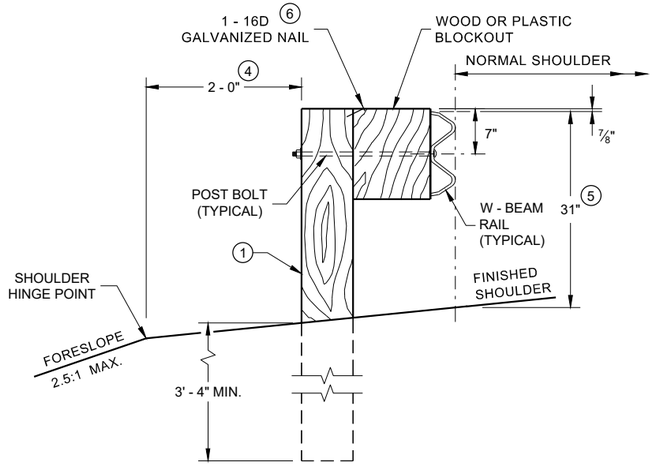
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



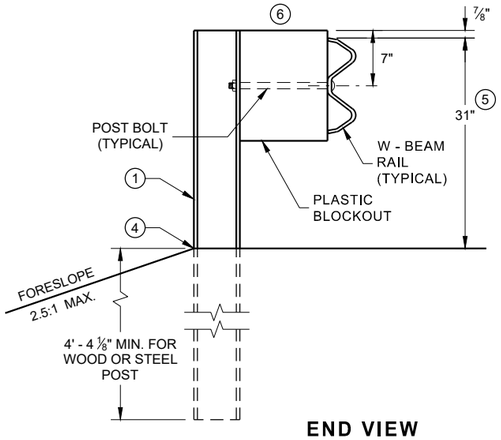
WOOD POST (6" X 8") NOMINAL (1)



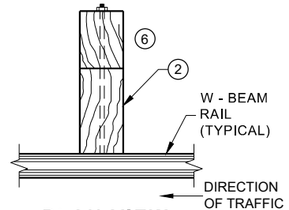
END VIEW
LOCATED ALONG A CURBED ROADWAY



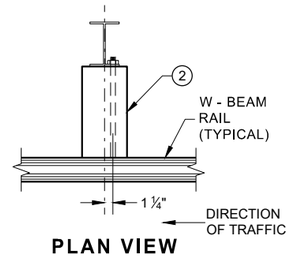
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



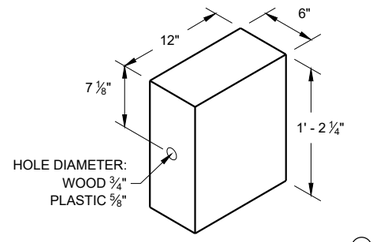
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



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

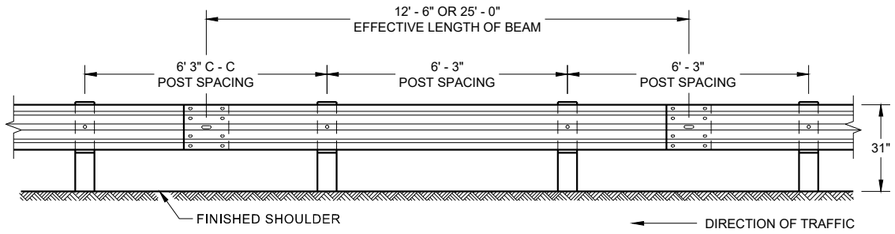
582

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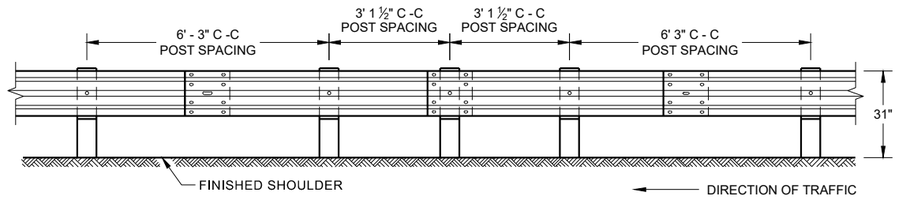
SDD 14B42 - 06a

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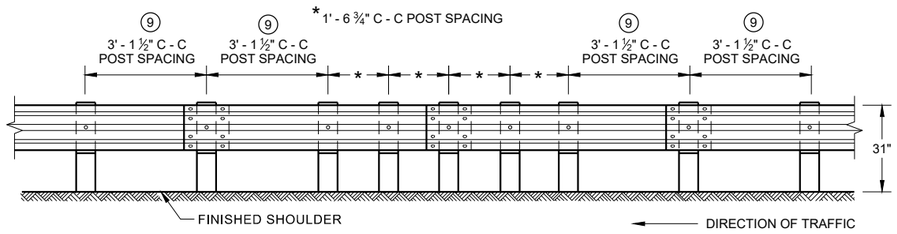
SDD 14B42 - 06a



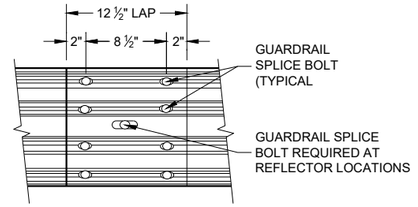
FRONT VIEW
POST SPACING STANDARD INSTALLATION



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

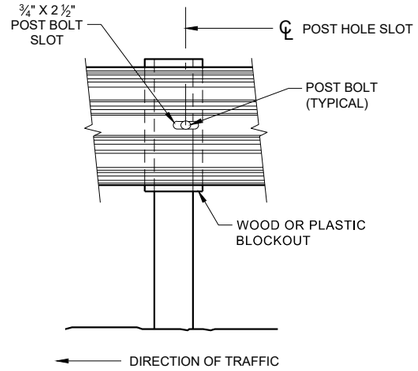
GENERAL NOTES

⑧ DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL. RAIL SPLICE LOCATIONS ARE THE ONLY ACCEPTABLE LOCATIONS FOR REFLECTORS.

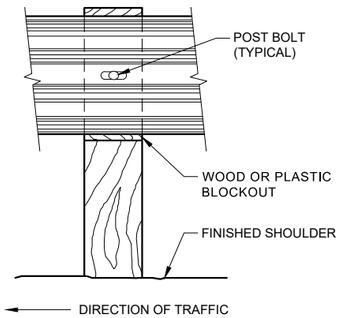
⑨ 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

POST BOLTS ARE A ¾" 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.

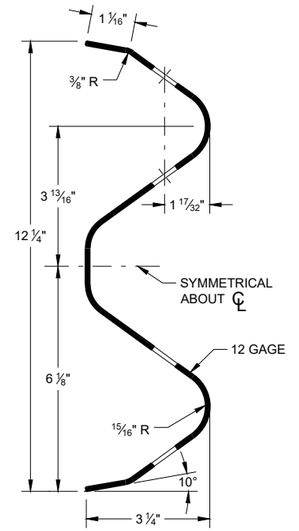
GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.



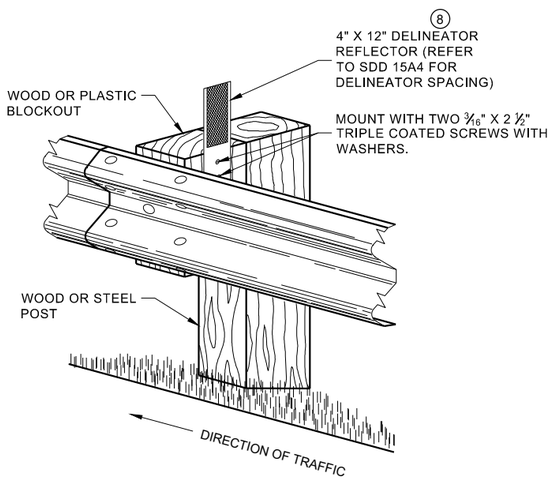
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL

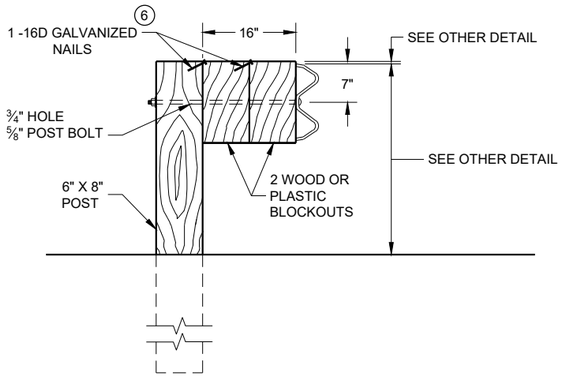


ONE SIDED REFLECTOR DETAIL
AND TYPICAL INSTALLATION

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 14B42 - 06b

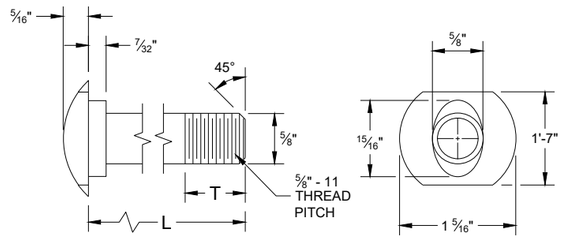


DETAIL FOR 16" BLOCKOUT DEPTH

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

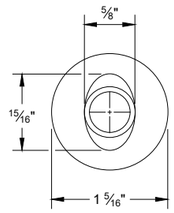
NOTE:

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

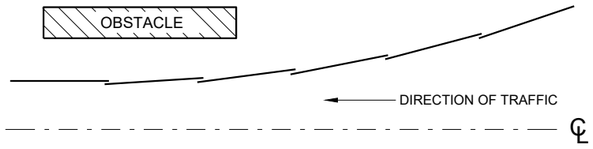


POST BOLT TABLE

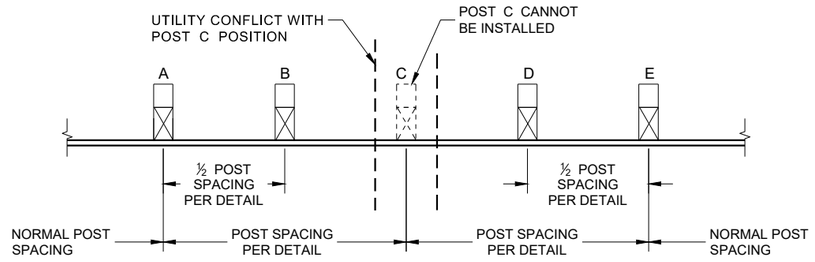
L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1⁄16"
18"	4"
21"	4 1⁄16"
25"	4"



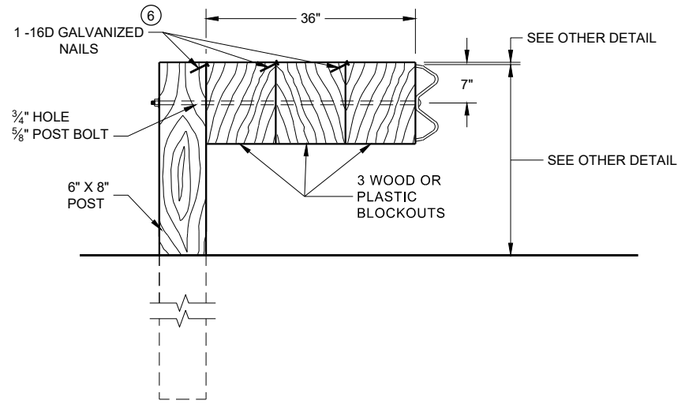
ALTERNATE BOLT HEAD



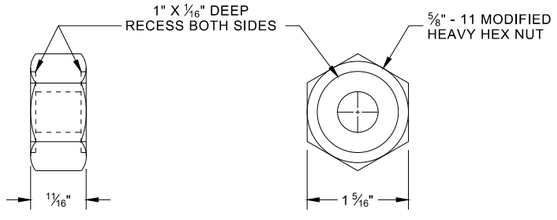
PLAN VIEW
BEAM LAPPING DETAIL



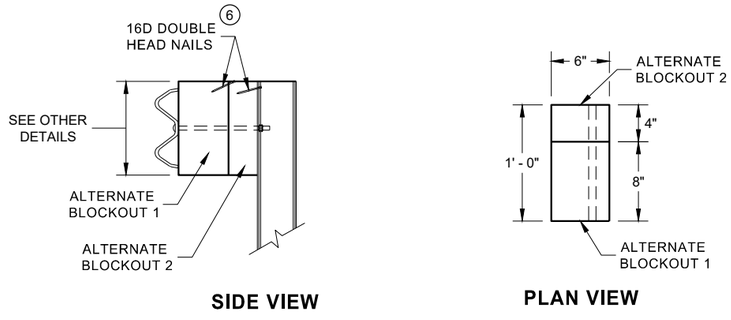
POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



DETAIL FOR 36" BLOCKOUT DEPTH



POST BOLT, SPLICE BOLT AND RECESS NUT



SIDE VIEW

PLAN VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

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

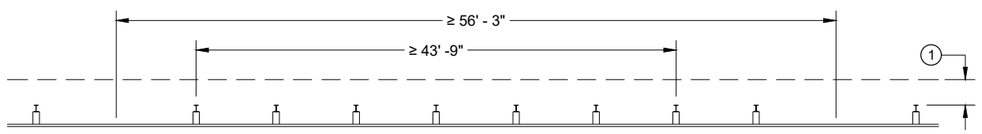
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

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

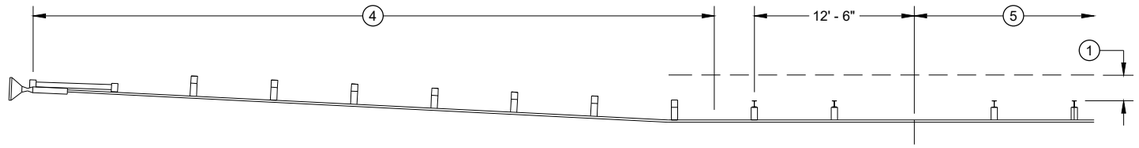
MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

6

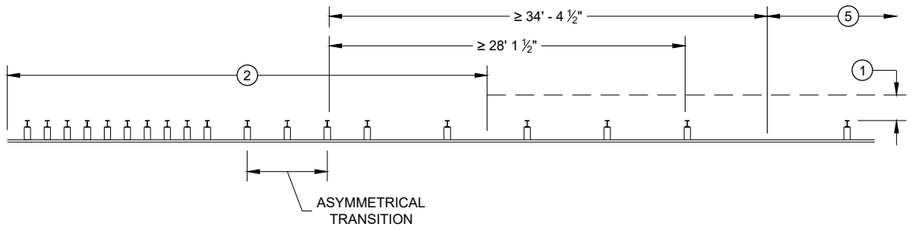
SDD 14B42 - 06c



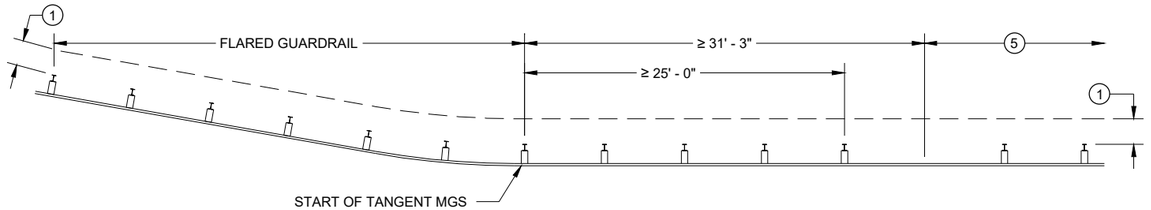
MISSING POST IN NORMAL BEAM GUARD RUN



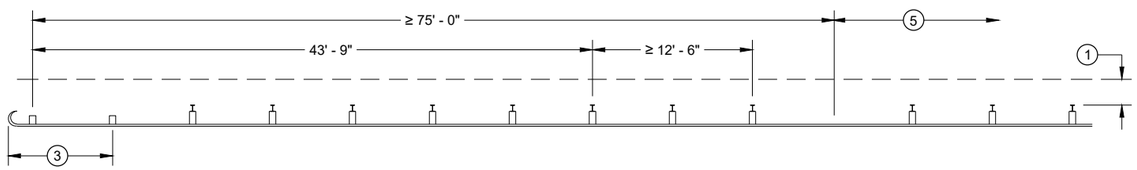
MISSING POST IN NORMAL BEAM GUARD RUN NEAR EAT



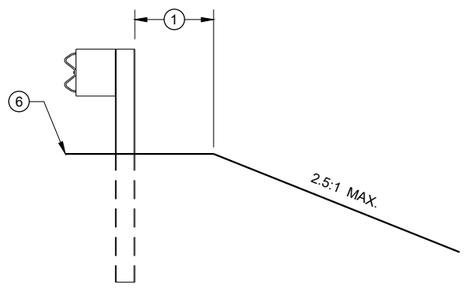
MISSING POST NEAR APPROACH THRIE BEAM TRANSITION



MISSING POST IN NORMAL BEAM GUARD RUN NEAR FLARED BEAM GUARD



MISSING POST IN NORMAL BEAM GUARD RUN NEAR TYPE 2 TERMINAL



CROSS SECTION VIEW

1. MINIMUM OF 2 FEET OF GRADING BEHIND POST.
2. SEE SDD 14B45 FOR MORE DETAILS.
3. SEE SDD 14B47 FOR MORE DETAILS.
4. SEE SDD 14B44 FOR MORE DETAILS.
5. SEE MISSING POST IN NORMAL BEAM GUARD RUN FOR DISTANCE TO NEXT MISSING POST AND AREA FOR WELL DRAINED, COMPACTED SOILS.
6. SEE PLAN FOR SHOULDER DESIGN.

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6

SDD 14B42 - 06d

GENERAL NOTES

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

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

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

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

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

DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

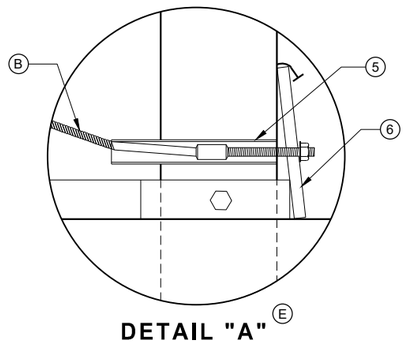
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

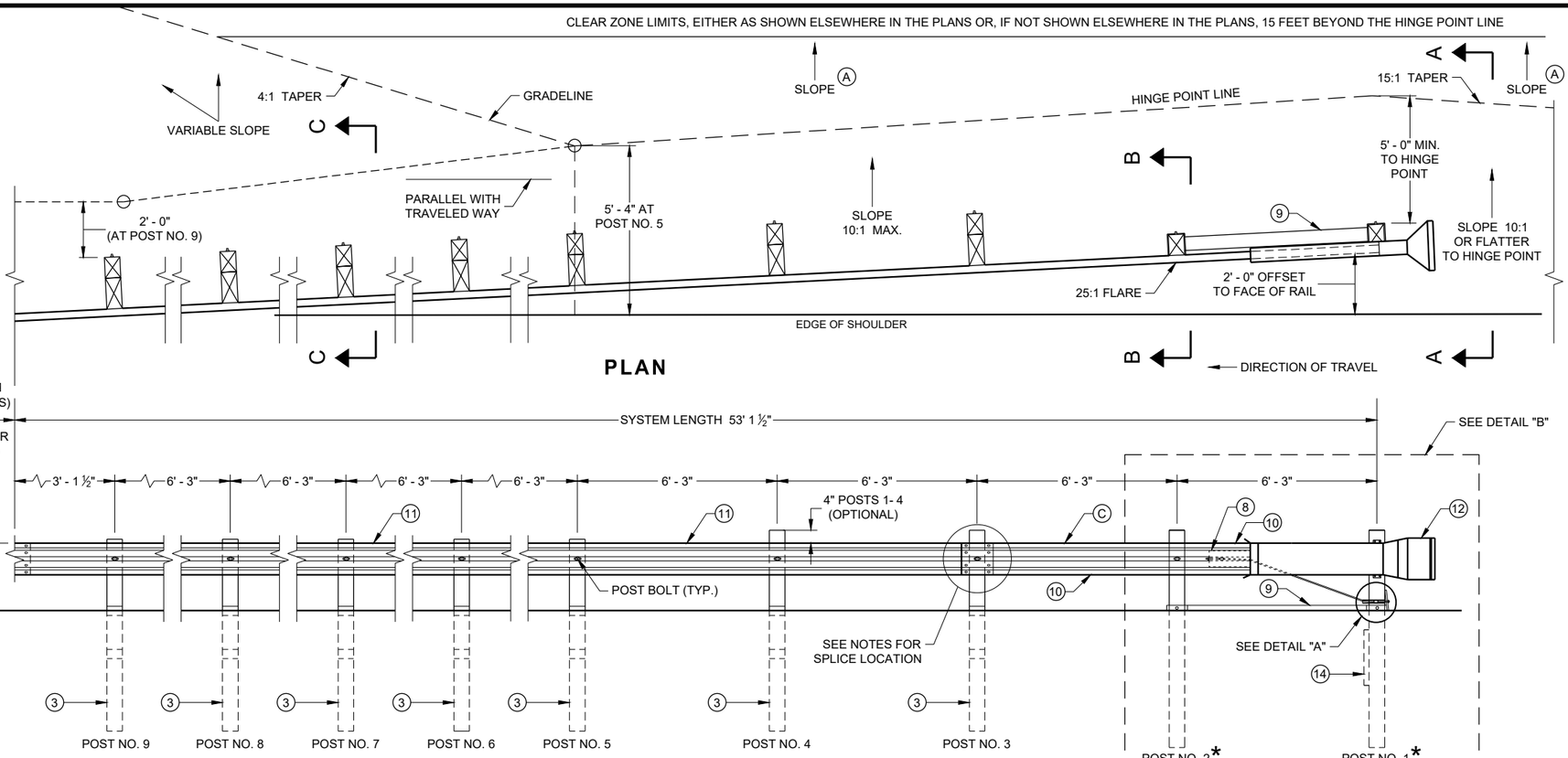
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

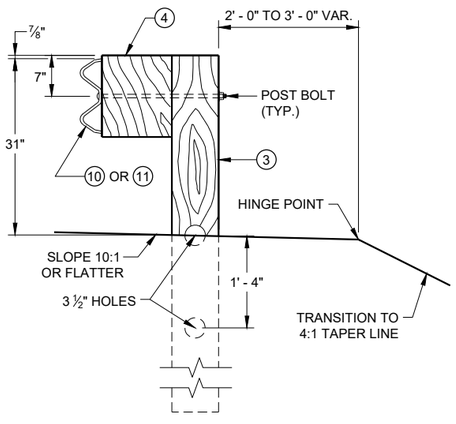
SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

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

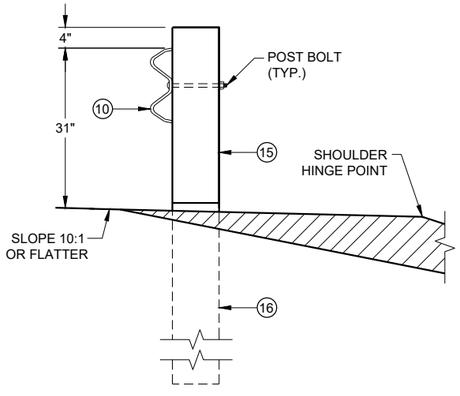


DETAIL "A" (E)

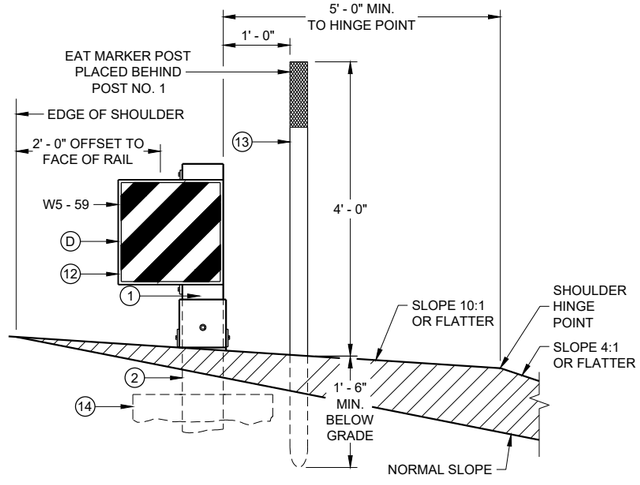




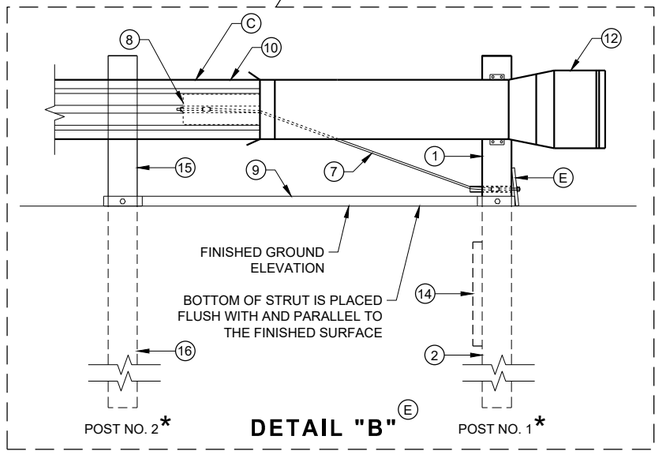
SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



SECTION A - A
TYPICAL AT POST NO. 1*



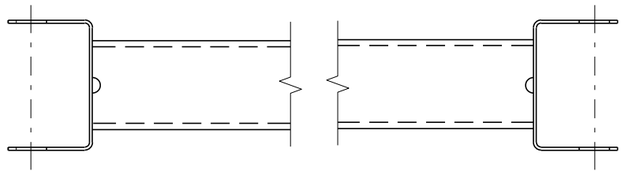
DETAIL "B" (E)

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B44 - 04a

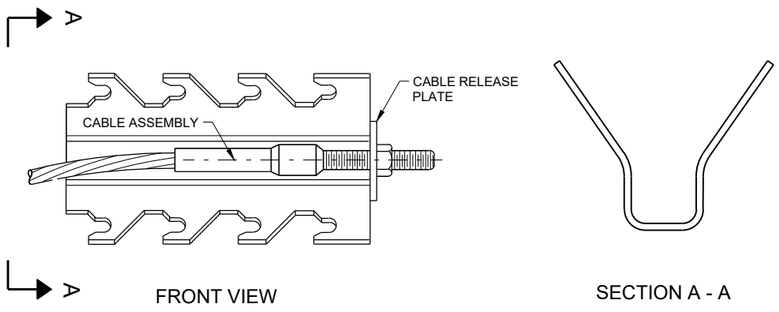
SDD 14B44 - 04a



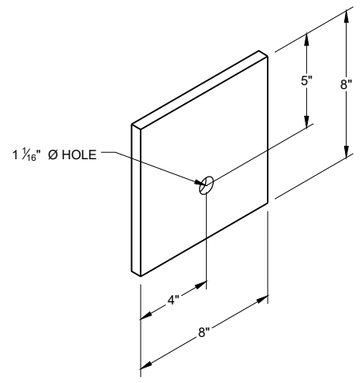
GENERIC GROUND STRUT (9) (E)

BILL OF MATERIALS

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



GENERIC ANCHOR CABLE BOX (9) (E)



BEARING PLATE (6) (E)

6

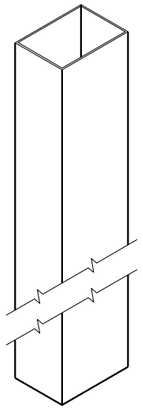
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SDD 14B45 - 04b

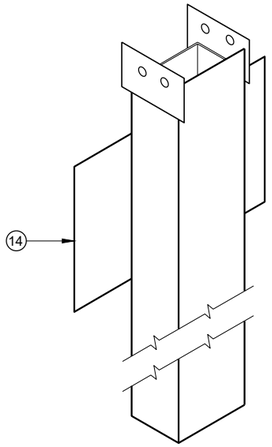
SDD 14B45 - 04b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

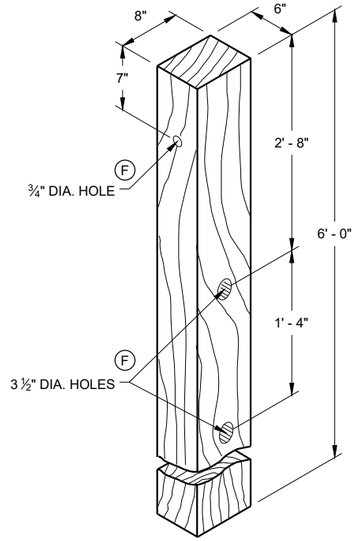
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



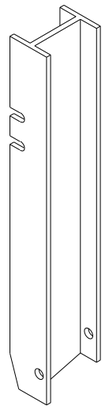
UPPER POST NO. 1 ① Ⓔ



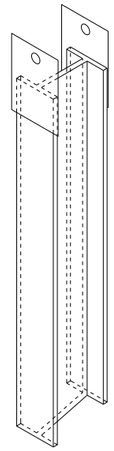
LOWER POST NO. 1 ② Ⓔ



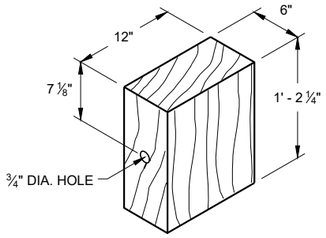
WOOD CRT POST ③ Ⓔ
POSTS NUMBER 3-9



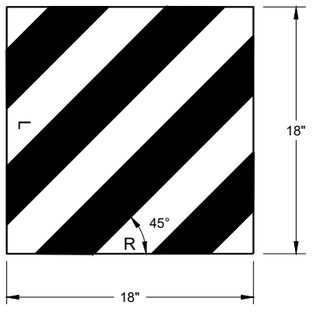
UPPER POST NO. 2 ⑮ Ⓔ



LOWER POST NO. 2 ⑯ Ⓔ

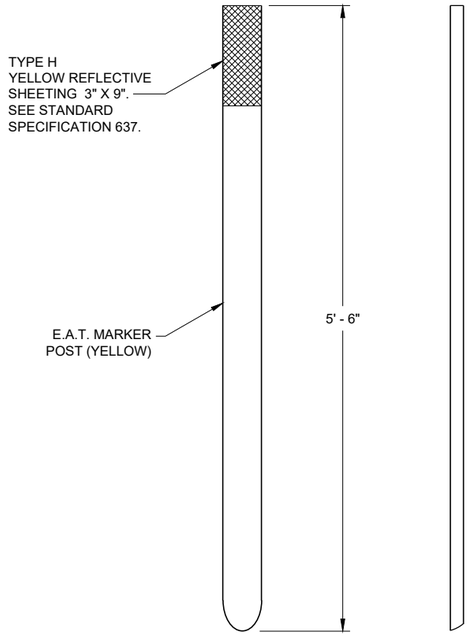


WOOD BLOCKOUT ④
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



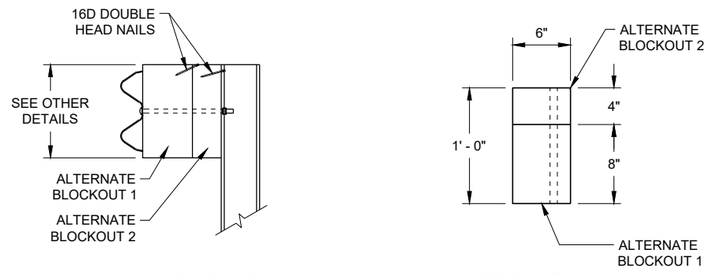
W5 - 59

REFLECTIVE SHEETING DETAIL Ⓔ



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)

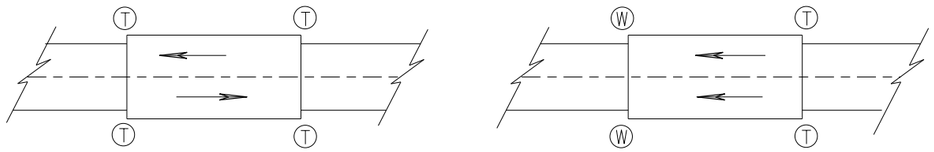
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

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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.

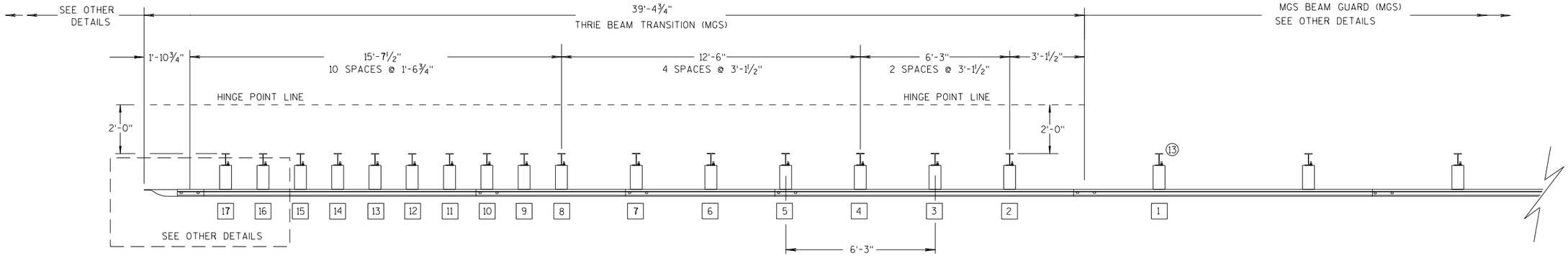
SEE STANDARD DETAIL DRAWING 14 B 42 FOR MORE INFORMATION.

POST 2 THROUGH 17 USES STEEL POST ONLY

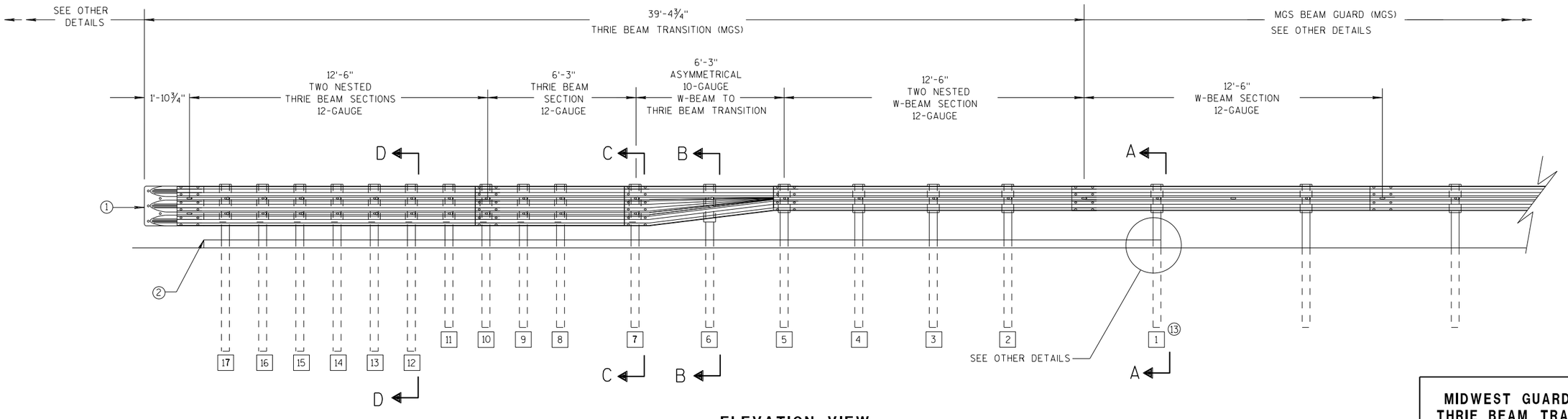
(1) BRIDGE RAILING TYPE "W" DOES NOT REQUIRE A TERMINAL CONNECTOR.

(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 589

6

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

6

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

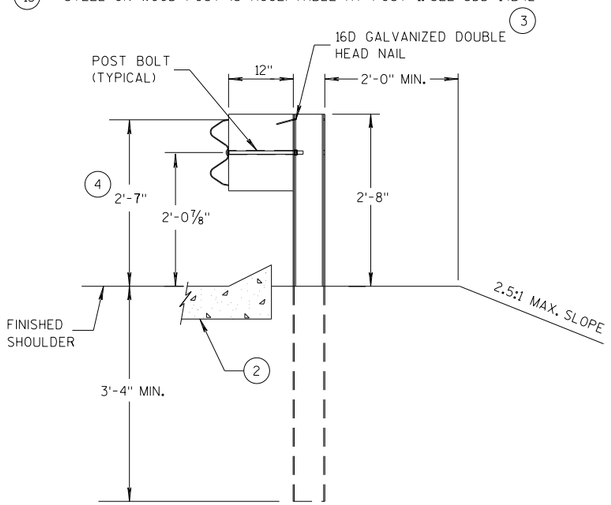
GENERAL NOTES

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

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

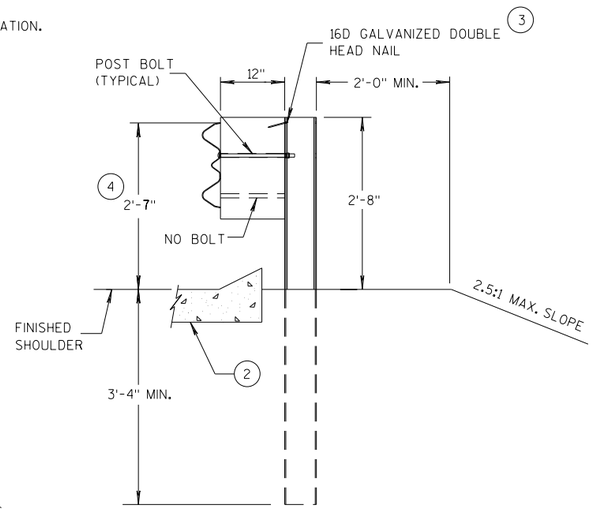
(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

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



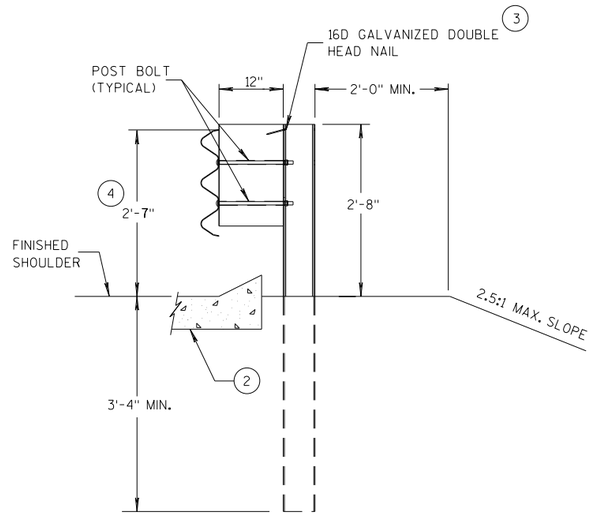
SECTION A-A (13)

POSTS 1-5



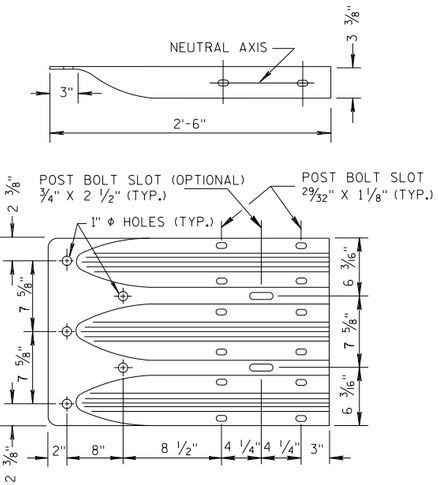
SECTION B-B

POST 6

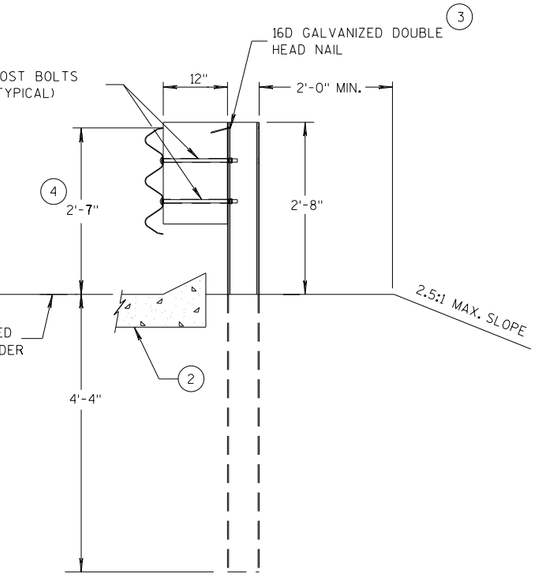


SECTION C-C

POSTS 7-11

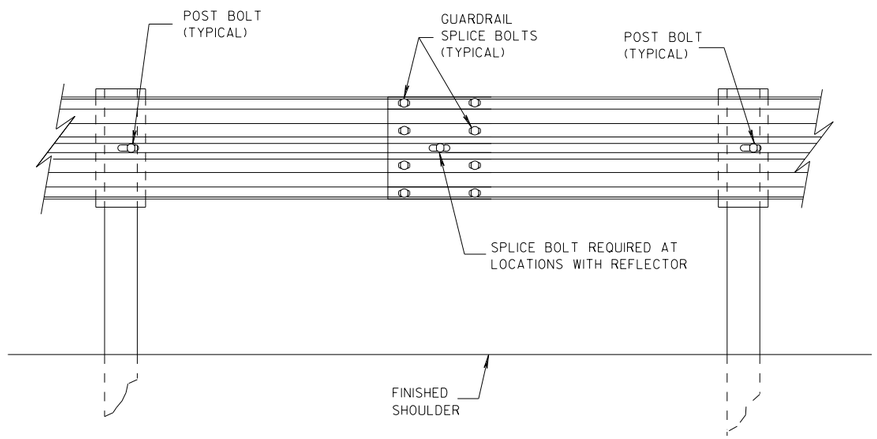


THRIE BEAM TERMINAL CONNECTOR



SECTION D-D

POSTS 12-17



SPLICE DETAIL

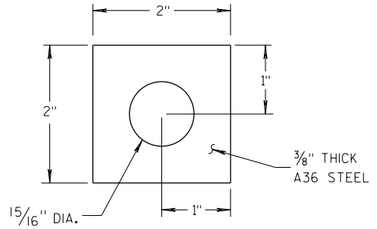
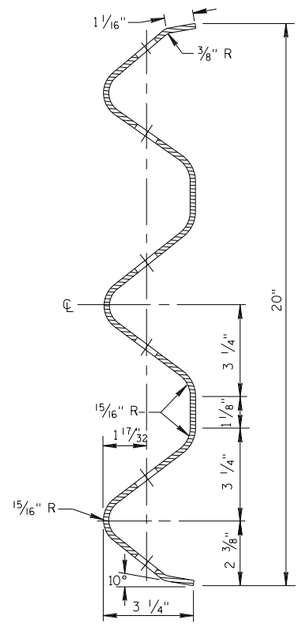


PLATE WASHER DETAIL



SECTION THRU THRIE BEAM RAIL ELEMENT

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

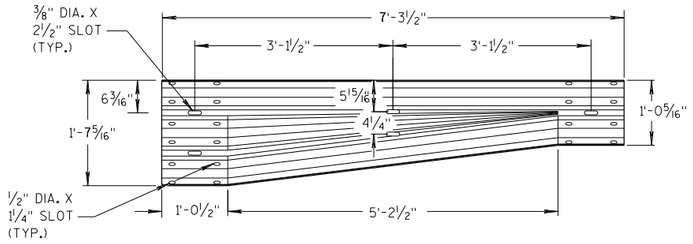
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOF 590

6

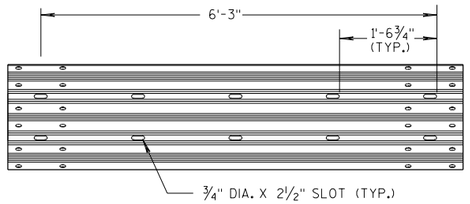
S.D.D. 14 B 45-5b

6

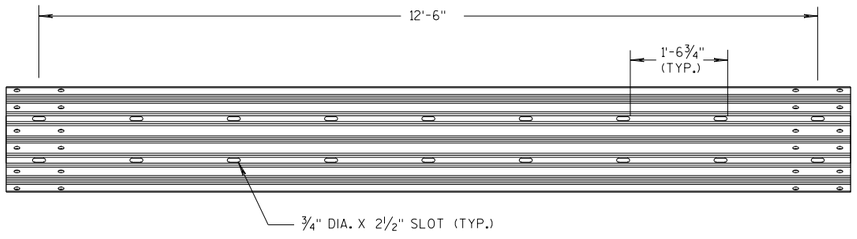
S.D.D. 14 B 45-5b



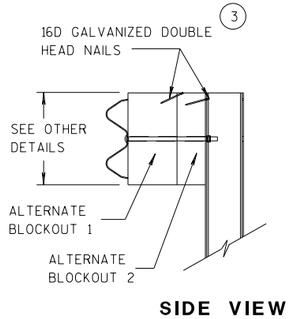
W-BEAM TO THRIE BEAM TRANSITION SECTION



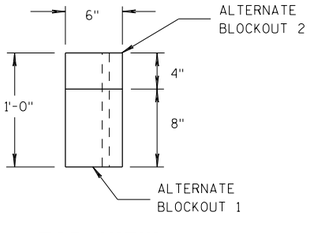
6'-3" THRIE BEAM SECTION



12'-6" THRIE BEAM SECTION

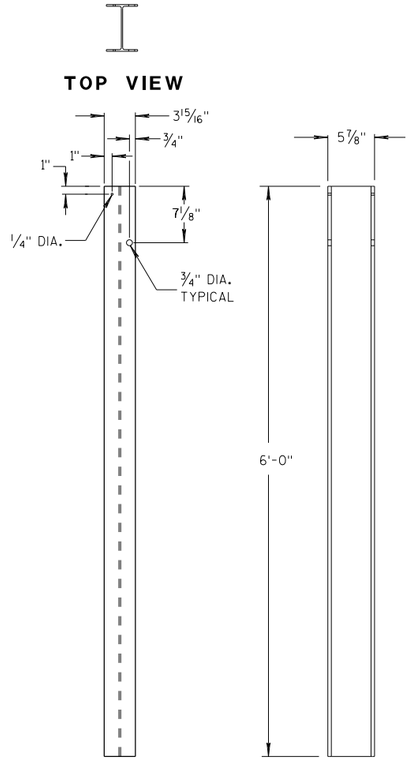


SIDE VIEW



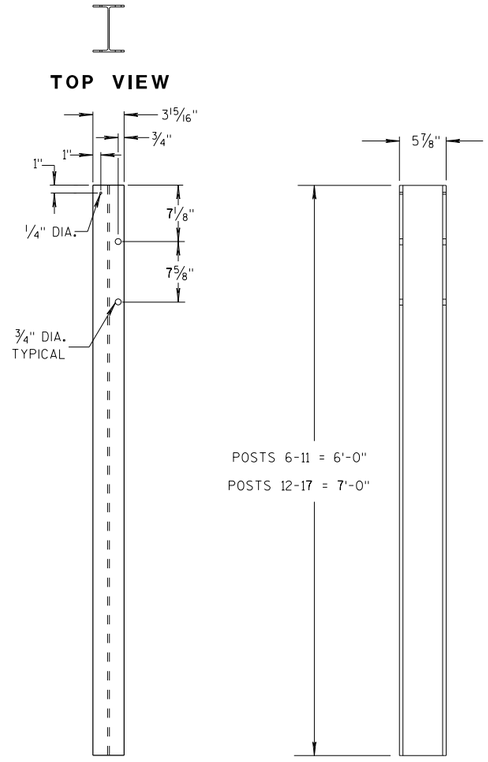
TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL



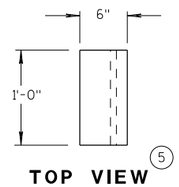
FRONT VIEW SIDE VIEW

STEEL POSTS 1-5 (13)

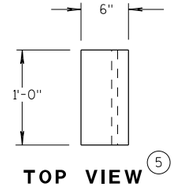


FRONT VIEW SIDE VIEW

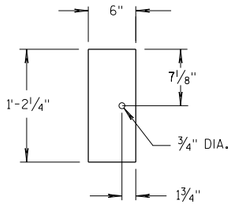
STEEL POSTS 6-17



TOP VIEW (5)

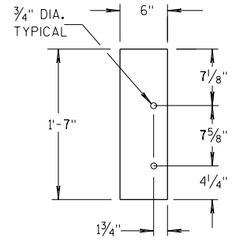


TOP VIEW (5)



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.

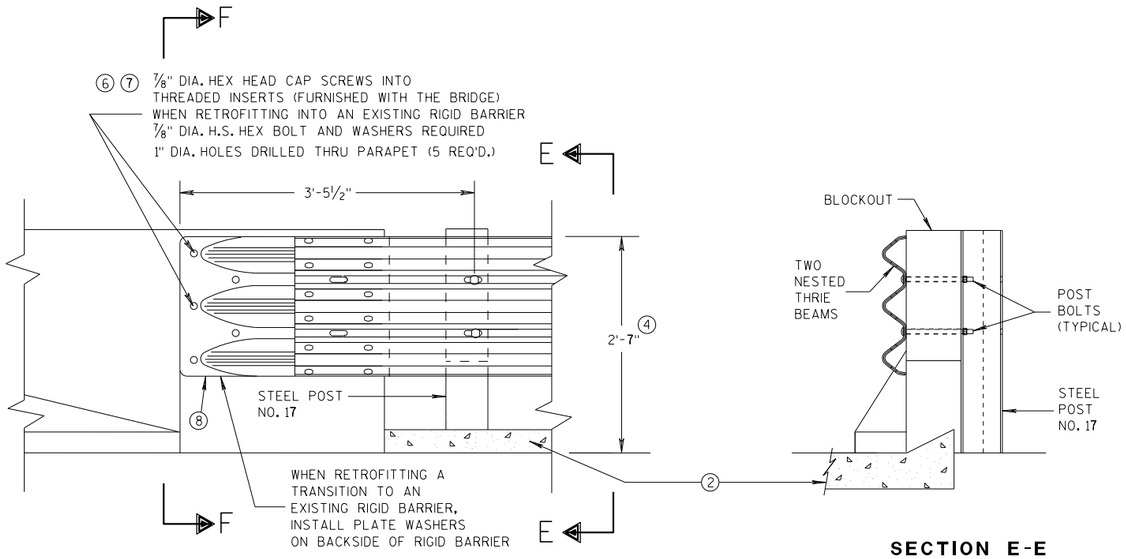
(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD 14B42.

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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.

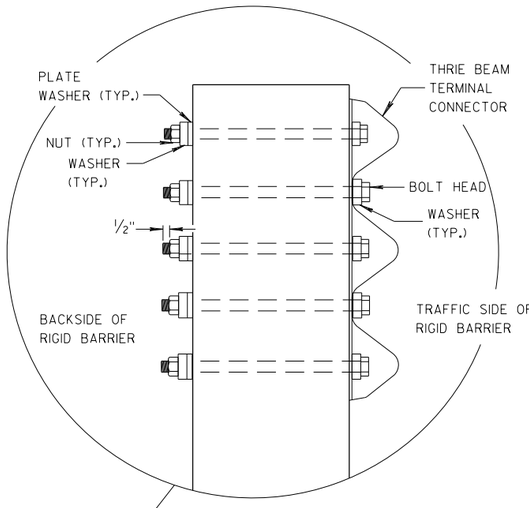
② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

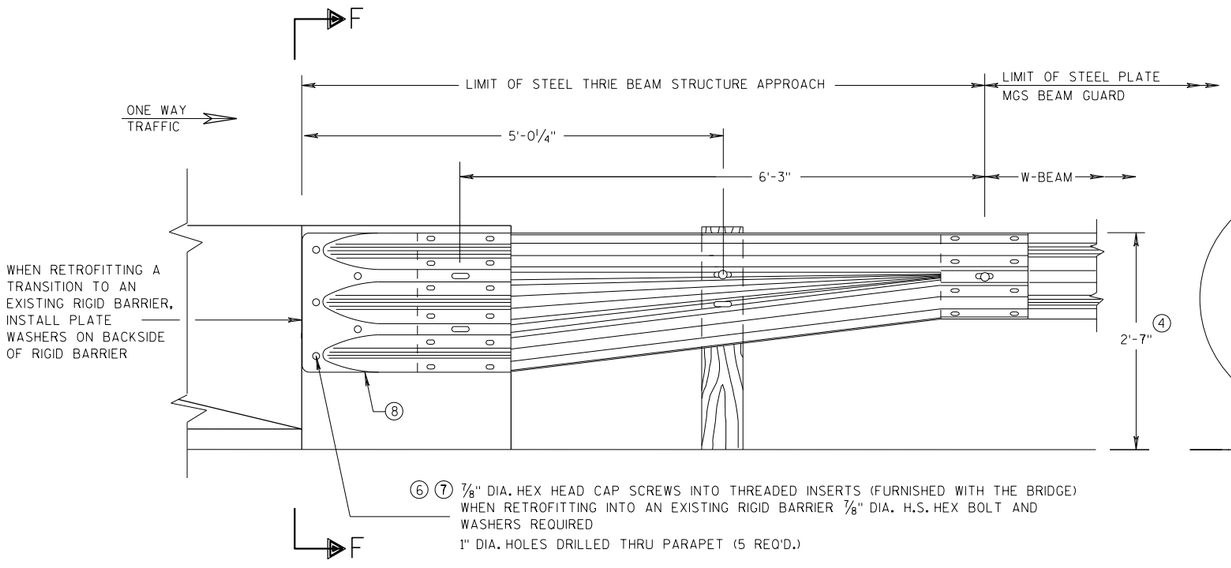
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

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

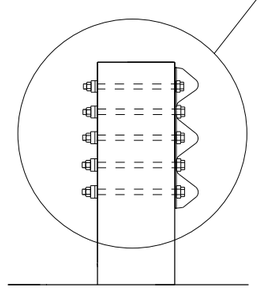
⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/8" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

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

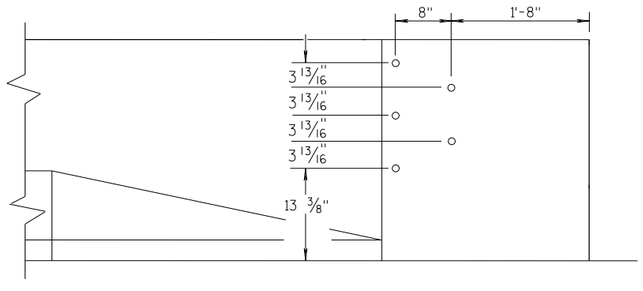




FRONT VIEW



SECTION F-F



DRILL HOLE LOCATION

W BEAM TRANSITION AND CONNECTION TO BRIDGE PARAPETS WITH SQUARE ENDS

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

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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

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

GENERAL NOTES

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

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

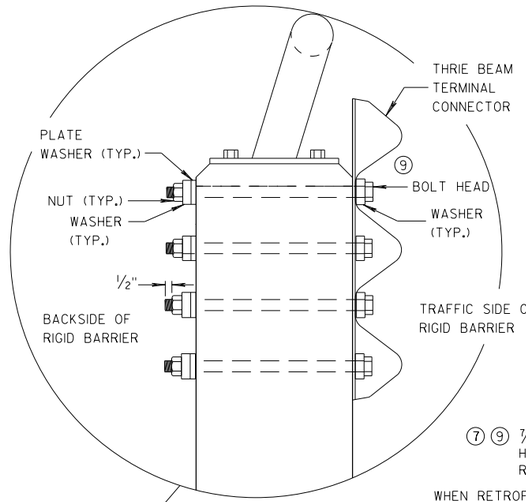
(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

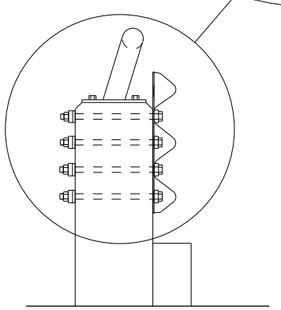
(6) DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(7) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/8" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

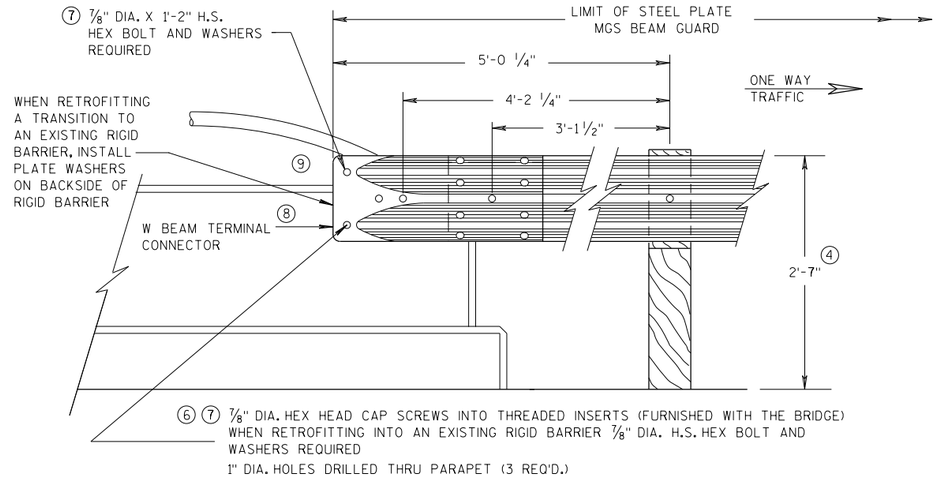
(8) THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 1/2".

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





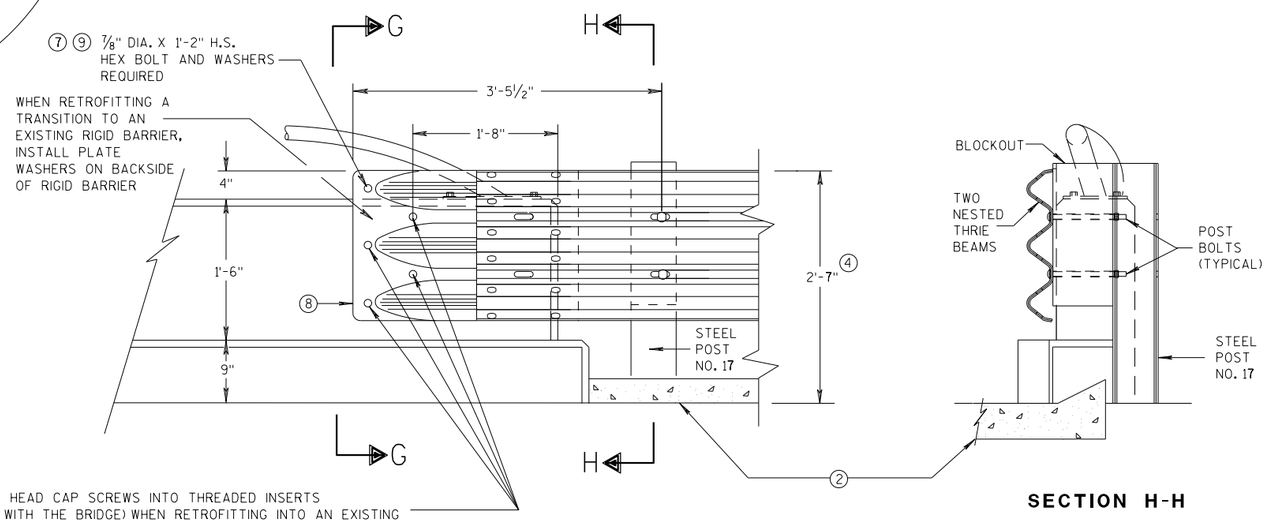
SECTION G-G



FRONT VIEW

W BEAM CONNECTION TO VERTICAL FACE PARAPET

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



FRONT VIEW

SECTION H-H

THRIE BEAM CONNECTION TO VERTICAL FACED PARAPETS

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

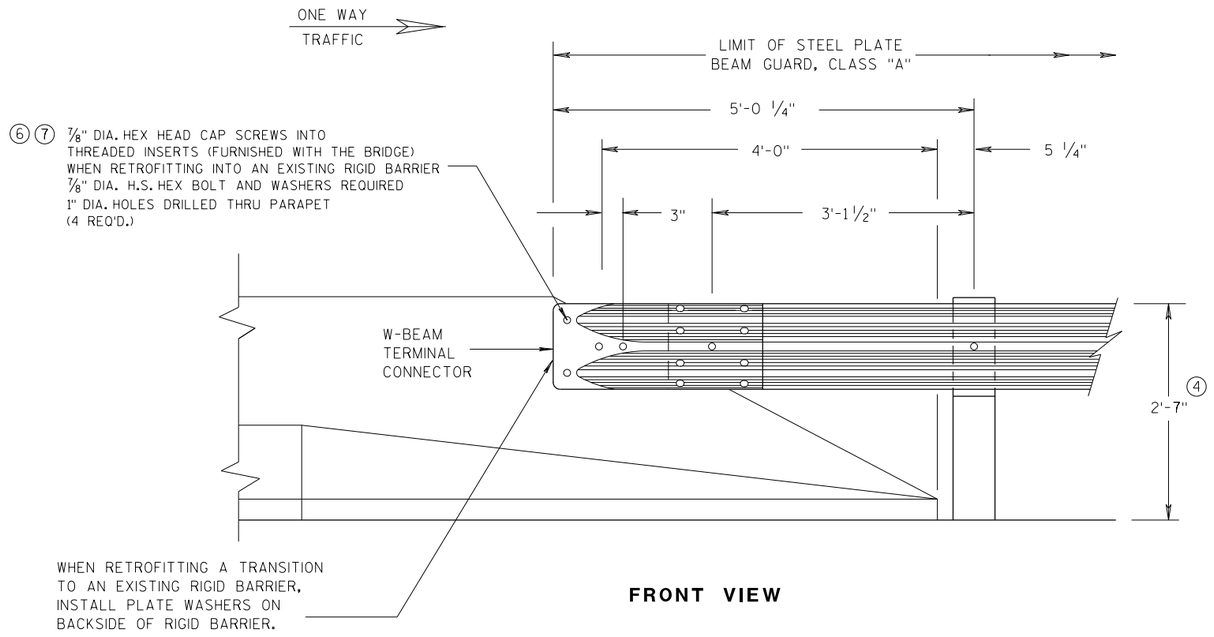
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07/2018 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D UNIT SUPERVIS — NT
FHWA

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

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



FRONT VIEW

W BEAM CONNECTION TO PARAPETS WITH SLOPED ENDS

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

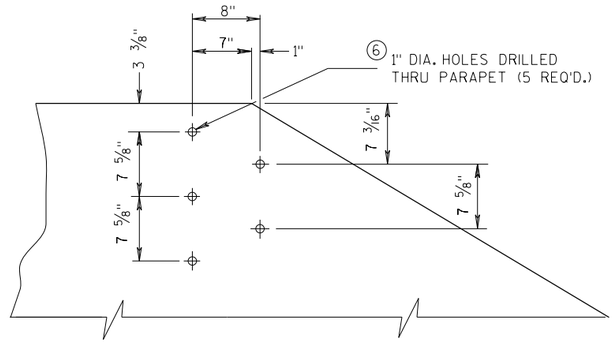
GENERAL NOTES

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

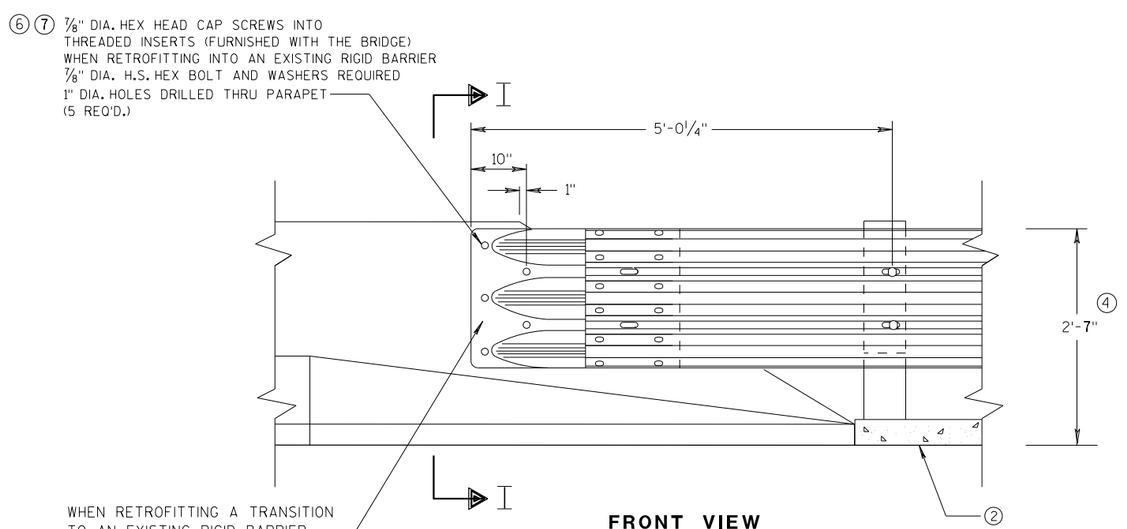
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

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

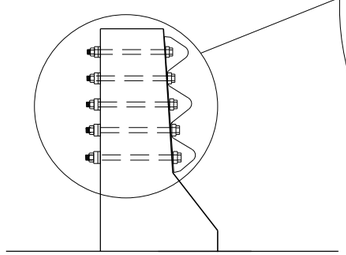
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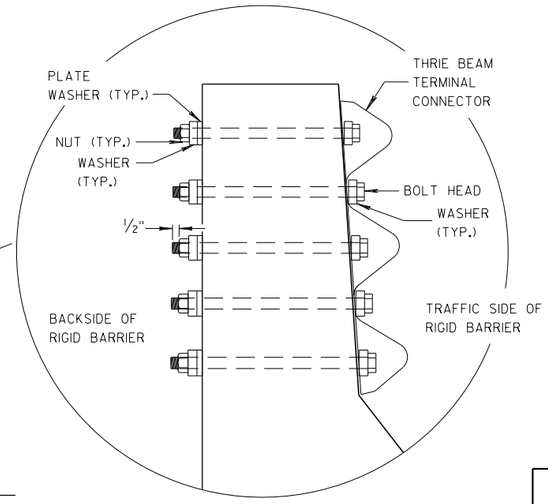
DRILL HOLE LOCATION AND PATTERN
FOR THRIE BEAM CONNECTION



FRONT VIEW



SECTION I-I



THRIE BEAM CONNECTION TO BRIDGE PARAPETS WITH SLOPED ENDS

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

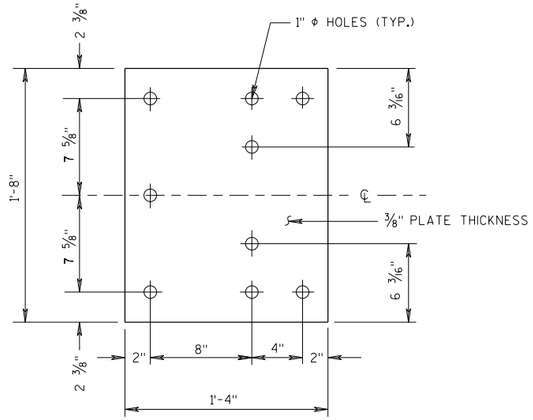
APPROVED
07/2018 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS I[illegible]ENT
UNIT SUPERVI
FHWA

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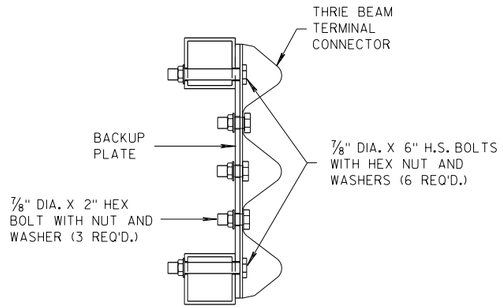
S.D.D. 14 B 45-5f

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



BACK-UP PLATE DETAIL

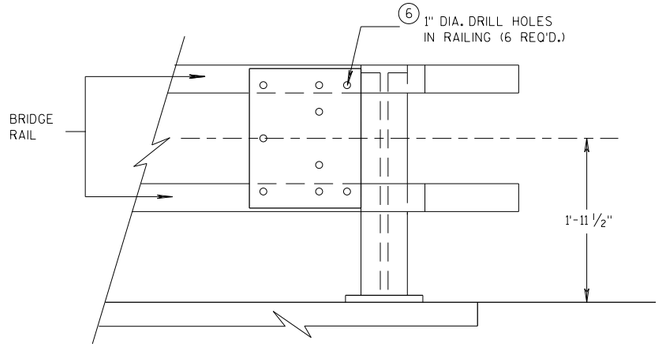


SECTION J-J

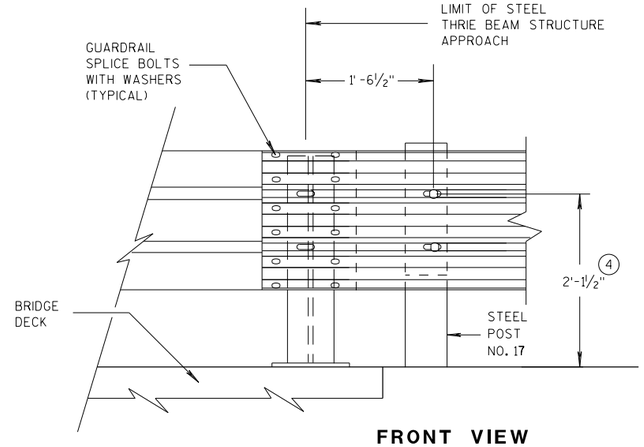
GENERAL NOTES

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

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

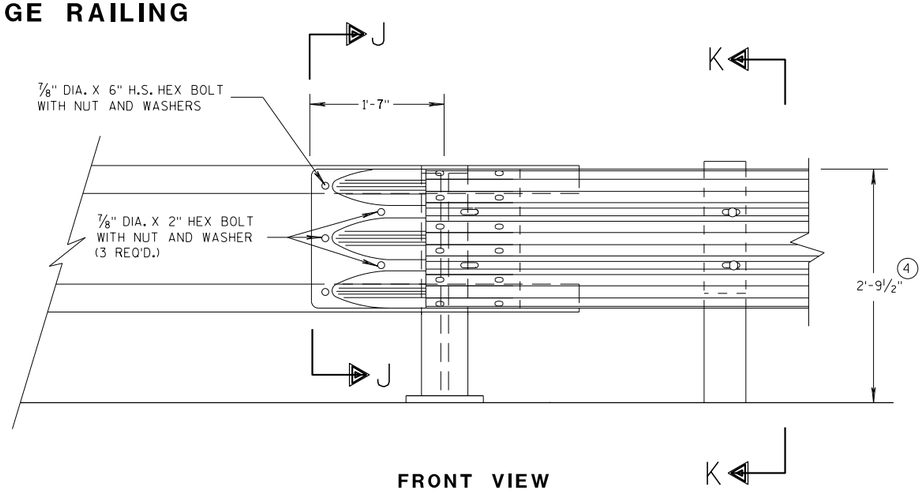


BACK-UP PLATE MOUNTING ONTO BRIDGE RAILING

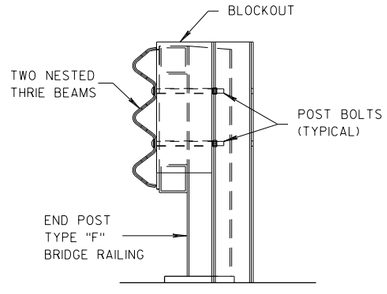


FRONT VIEW

THRIE BEAM CONNECTION TO STEEL RAILING TYPE "W"



FRONT VIEW



SECTION K-K

THRIE BEAM CONNECTION TO TUBULAR RAILING TYPE "F"

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED 07/2018 — DATE
FHWA

/S/ Rodney Taylor 595
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

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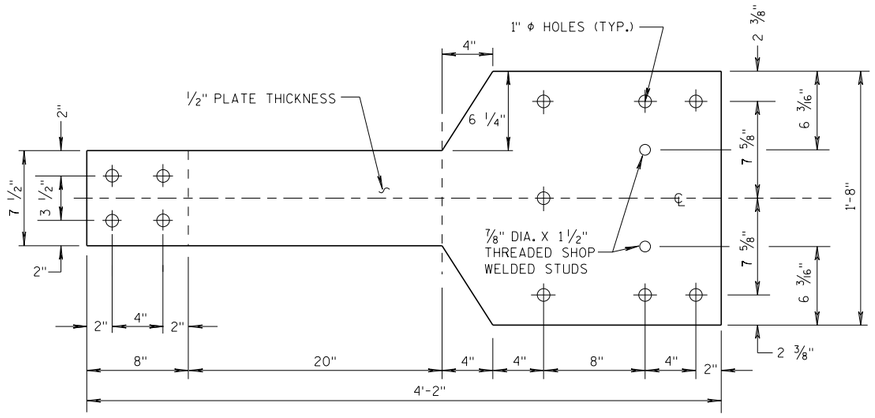
S.D.D. 14 B 45-5g

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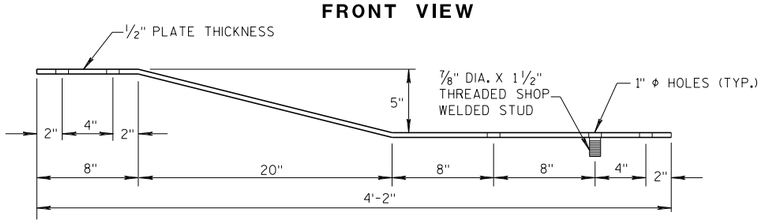
S.D.D. 14 B 45-5g

GENERAL NOTES

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

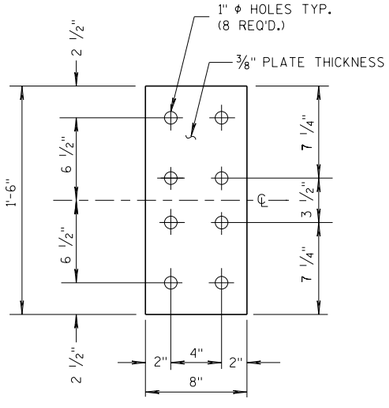


FRONT VIEW



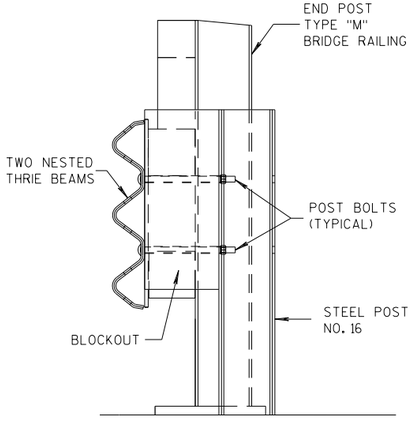
PLAN VIEW

BACK-UP PLATE DETAIL, TYPE "M"

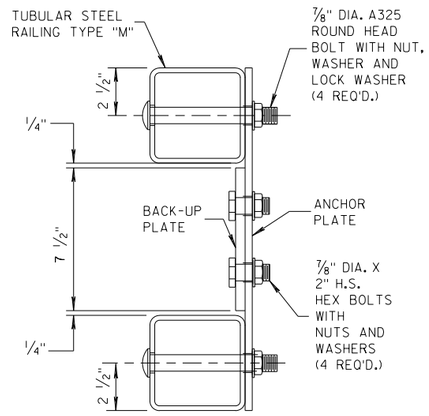


FRONT VIEW

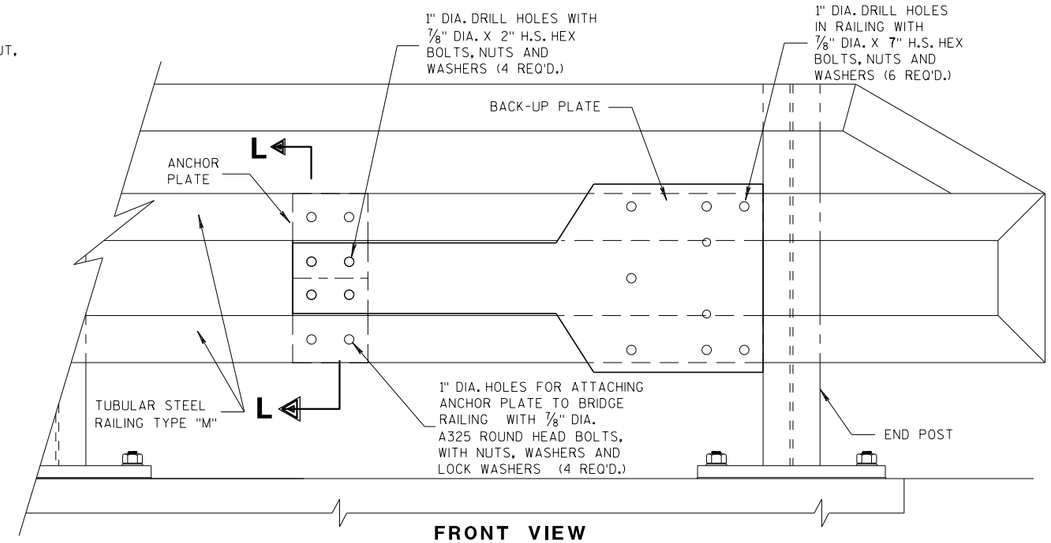
ANCHOR PLATE DETAIL, TYPE "M"



SECTION M-M

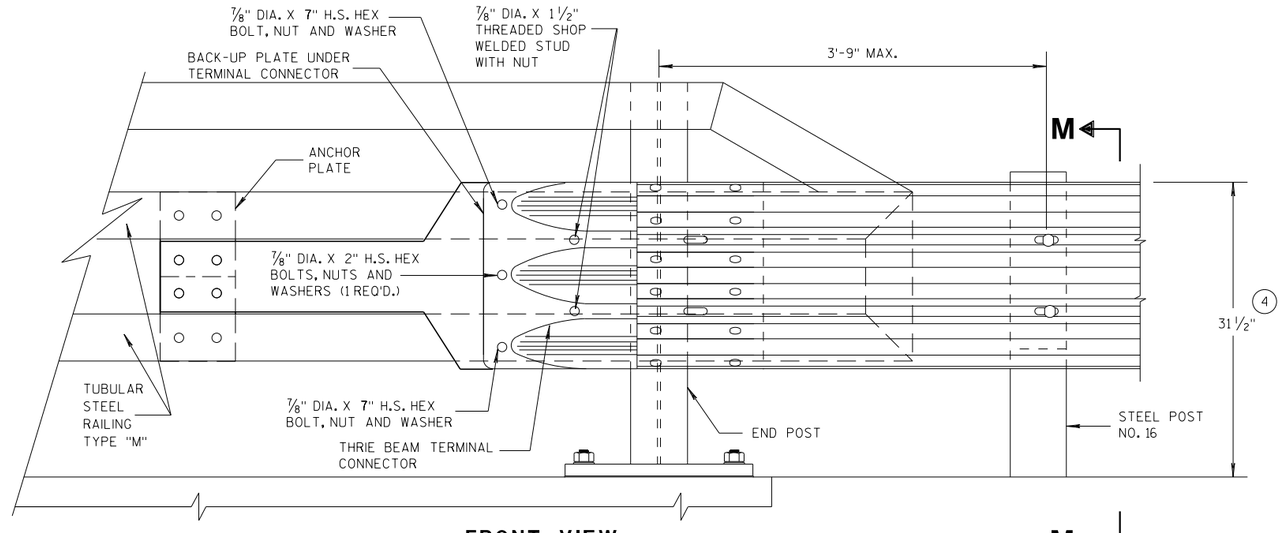


SECTION L-L

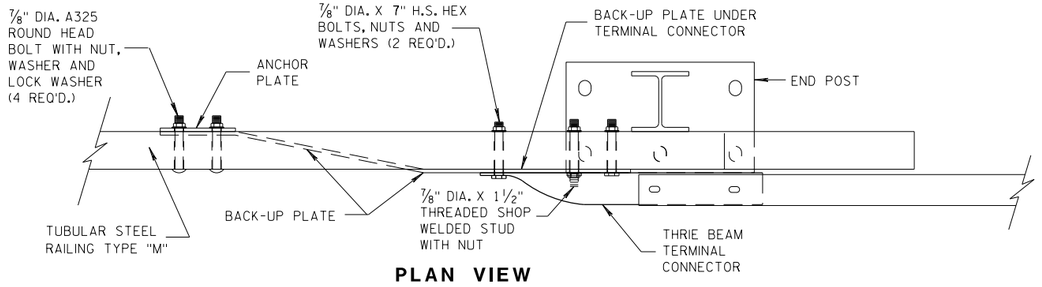


FRONT VIEW

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



FRONT VIEW



PLAN VIEW

THRIE BEAM CONNECTION TO TUBULAR RAILING, TYPE "M"

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

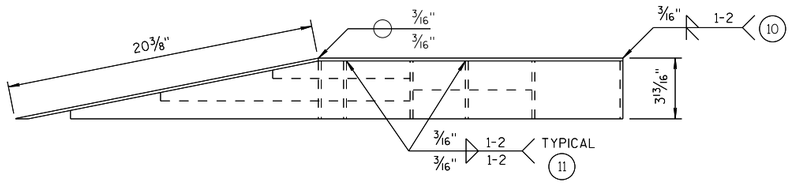
APPROVED
07/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA

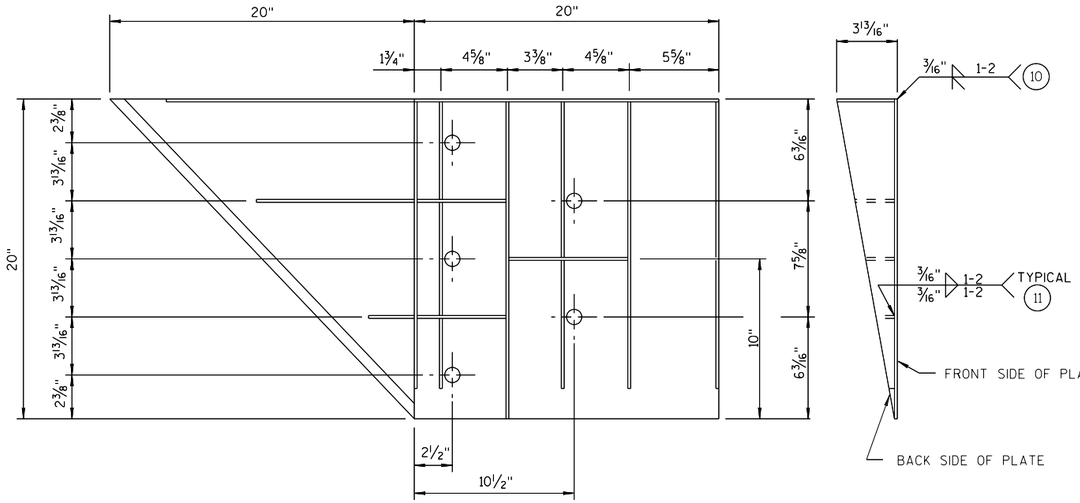
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S.D.D. 14 B 45-5h

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





WELDING INSTRUCTION

(VIEWED FROM BACK SIDE OF PLATE)

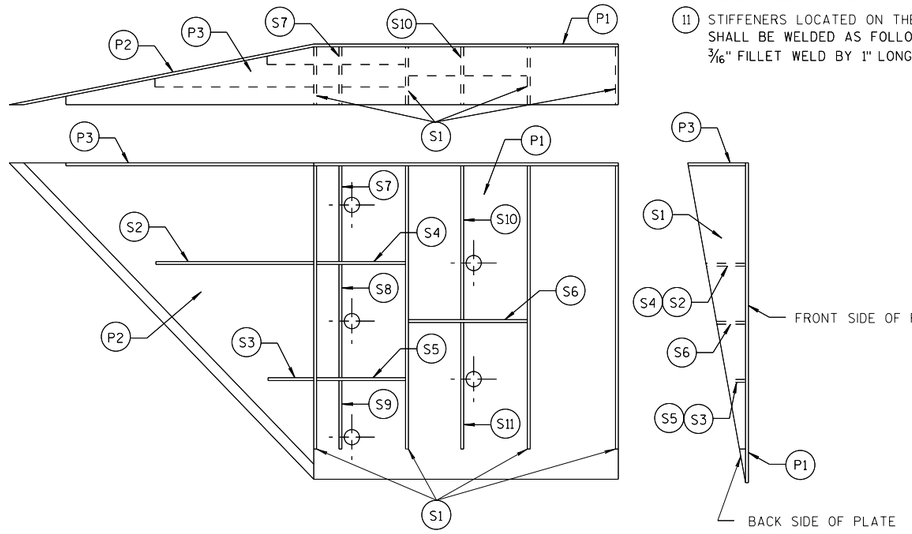


PLATE AND STIFFENER IDENTIFICATION

(VIEWED FROM BACK SIDE OF PLATE)

GENERAL NOTES

COVER PLATE PANELS ARE 3/16" THICK.

ALL STIFFENERS ARE 1/4" THICK.

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

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

ALL HOLE DIAMETERS SHALL BE 1".

FOR OPPOSITE SIDE INSTALLATION MIRROR DRAWINGS.

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

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

CONNECTOR PLATE DIMENSION (PER ASSEMBLY)

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

SINGLE SLOPE CONNECTION PLATE

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

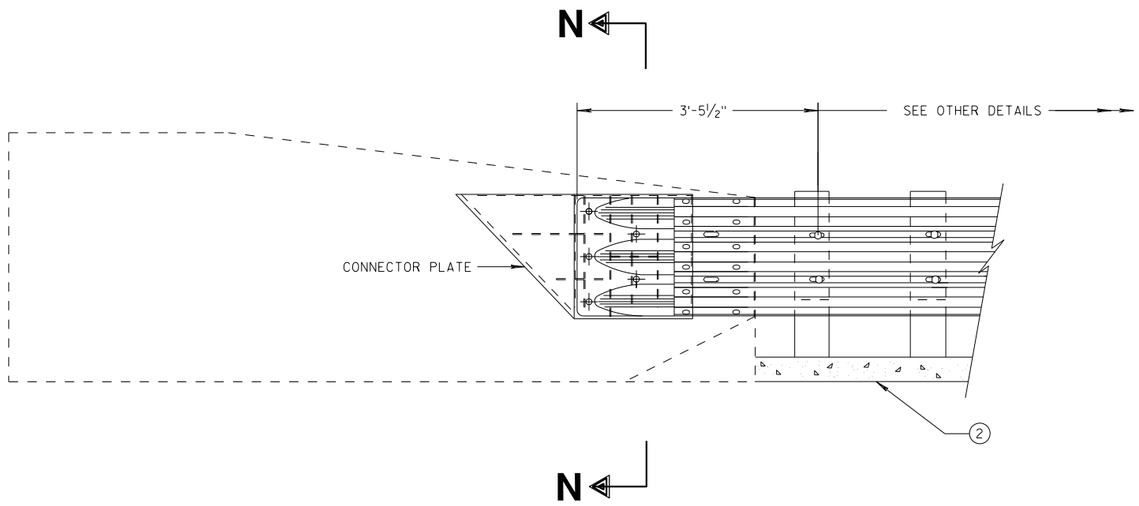
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7/2018
DATE
FHWA

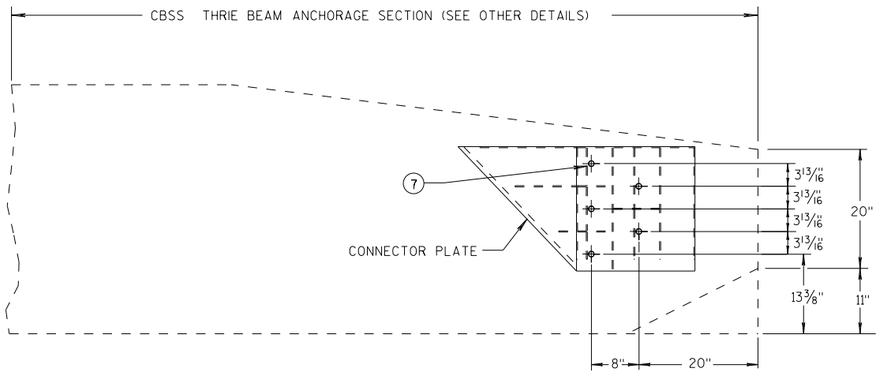
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S.D.D. 14 B 45-5i



THRIE BEAM CONNECTION TO SINGLE SLOPE BARRIER



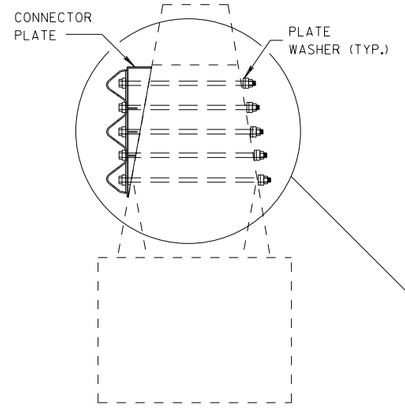
SINGLE SLOPE CONNECTION PLATE PLACEMENT

GENERAL NOTES

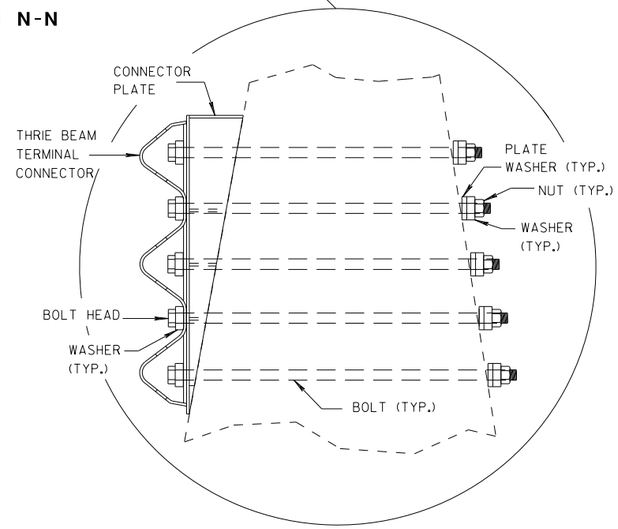
CONNECTOR PLATE, DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

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

(7) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X ⅝" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.



SECTION N-N



MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

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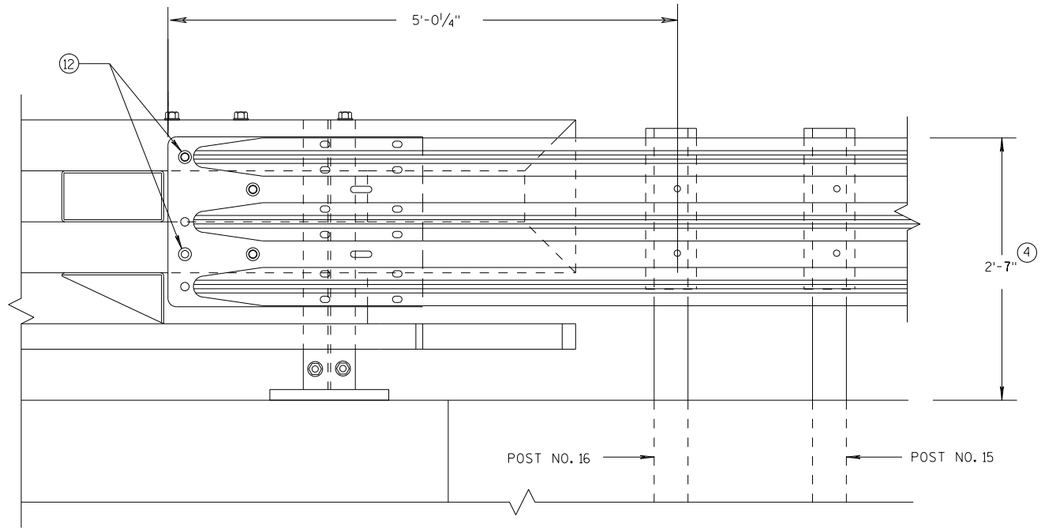
/S/ Rodney Taylor
ROADWAY STANDARDS DI
UNIT SUPERVIS

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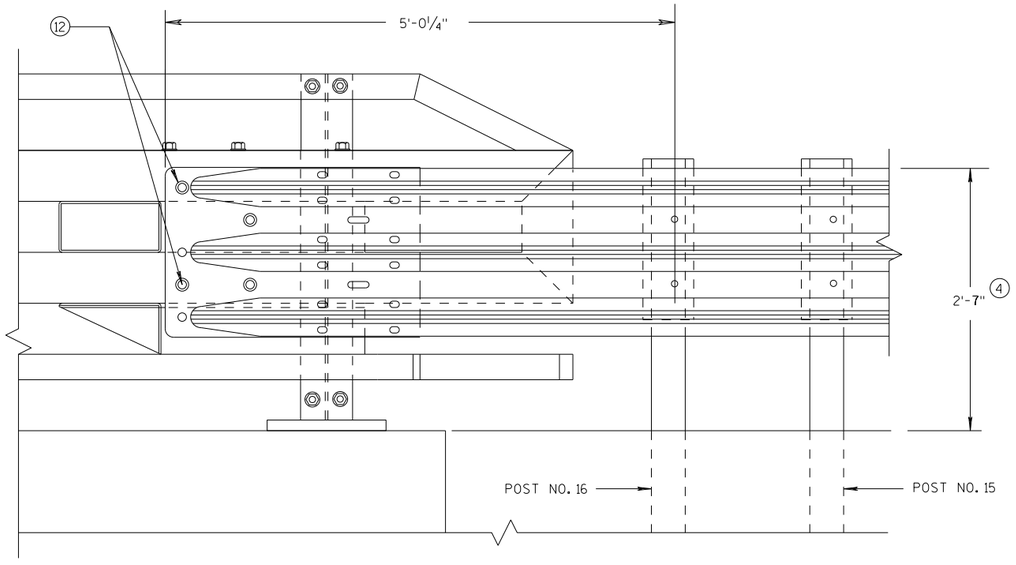
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S.D.D. 14 B 45-5j



ELEVATION OF DETAIL AT NY3 END POST

THRIE BEAM RAIL ATTACHMENT



ELEVATION OF DETAIL AT NY4 END POST

THRIE BEAM RAIL ATTACHMENT

GENERAL NOTES

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

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

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
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DATE
FHWA

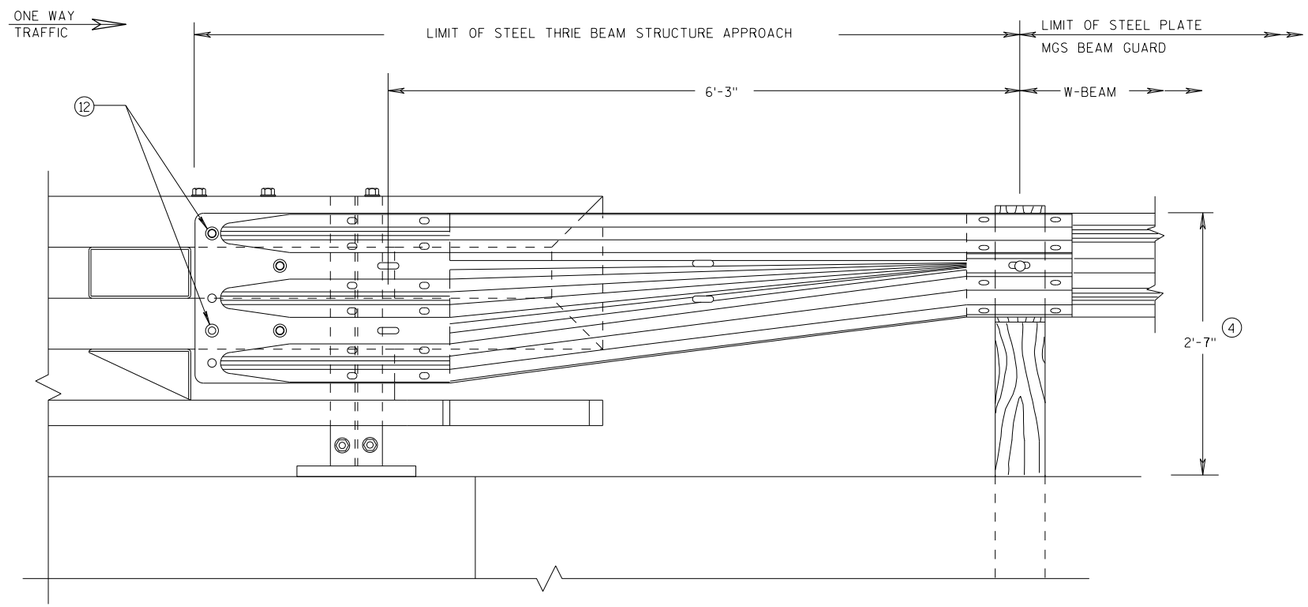
/S/ Rodney Taylor
ROADWAY STANDARDS D 599 NT
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S.D.D. 14 B 45-5k

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



FRONT VIEW

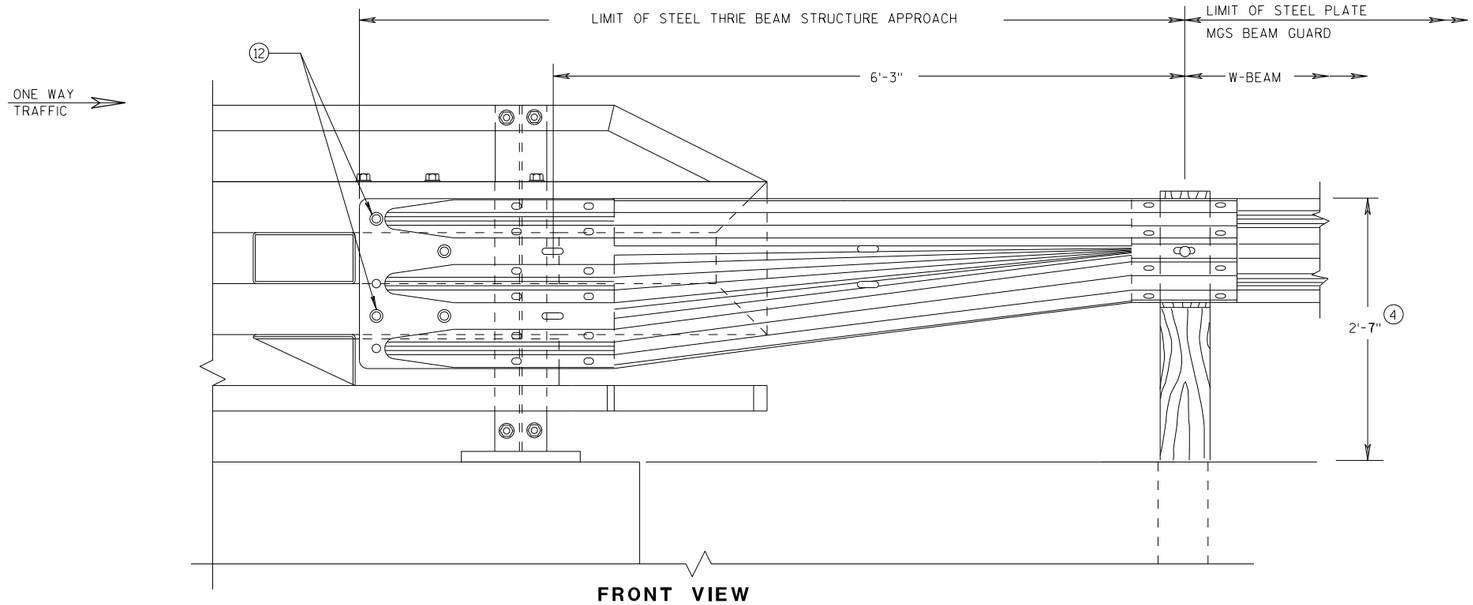
W BEAM TRANSITION AND CONNECTION TO BRIDGE RAILING TYPE "NY3"

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

GENERAL NOTES

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

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



FRONT VIEW

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

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

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

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UNIT SUPERVIS

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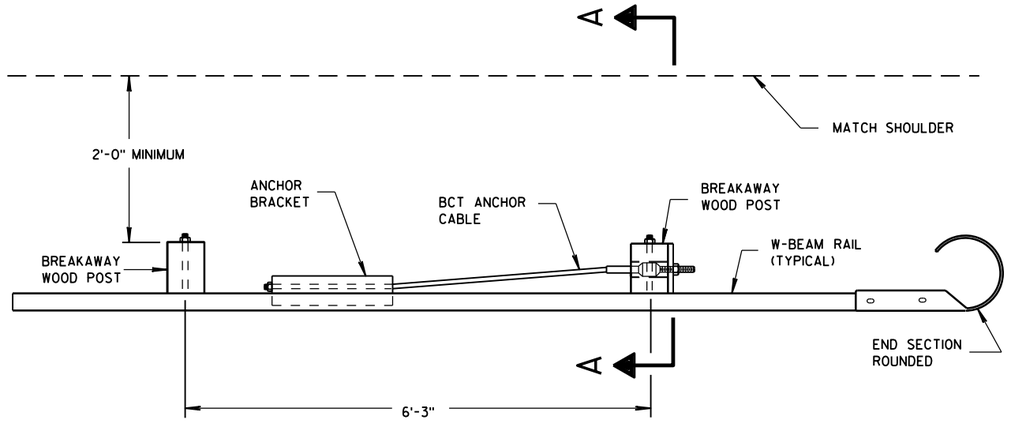
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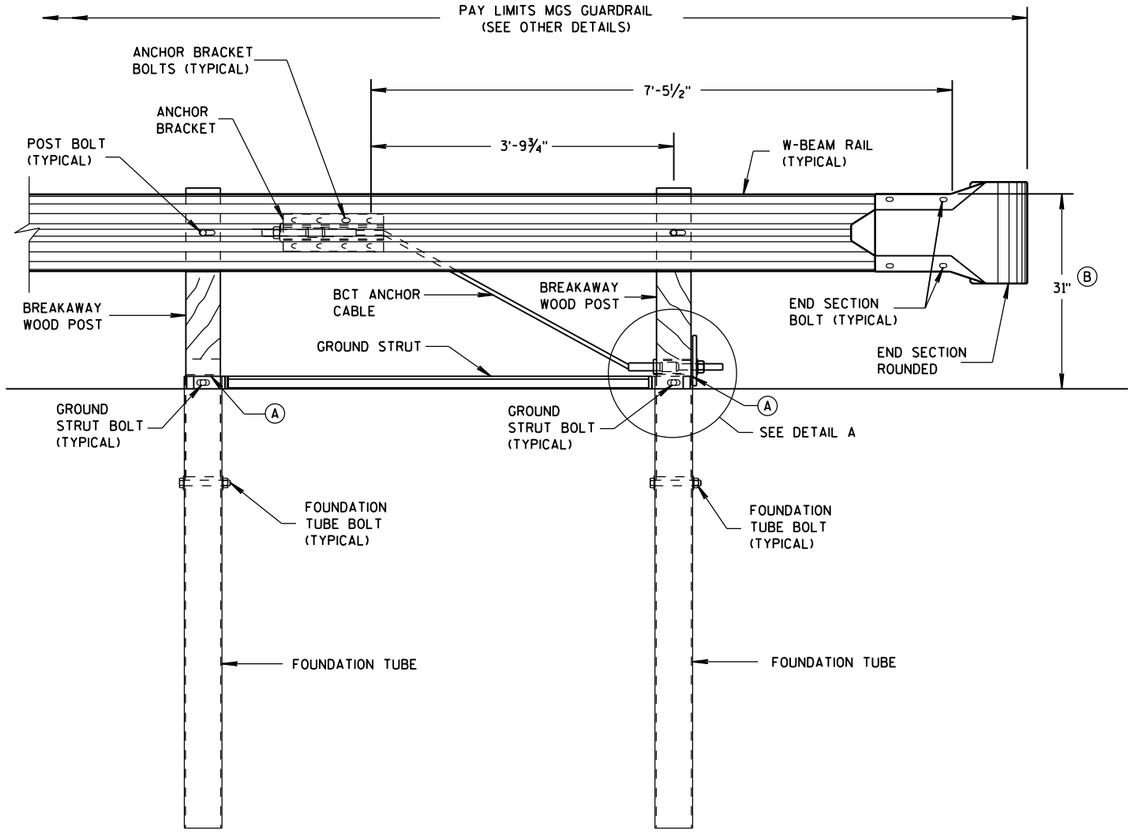
S.D.D. 14 B 45-5L

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

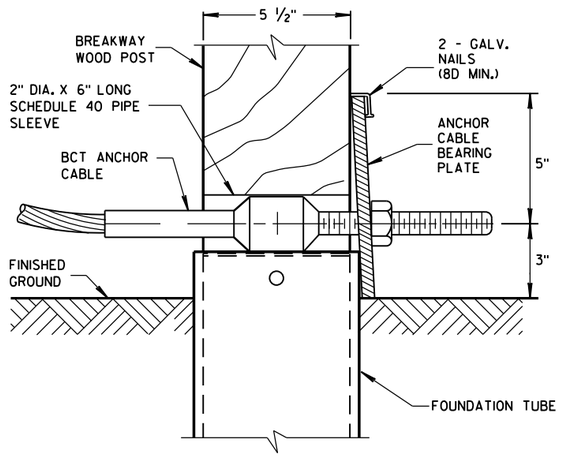


PLAN VIEW



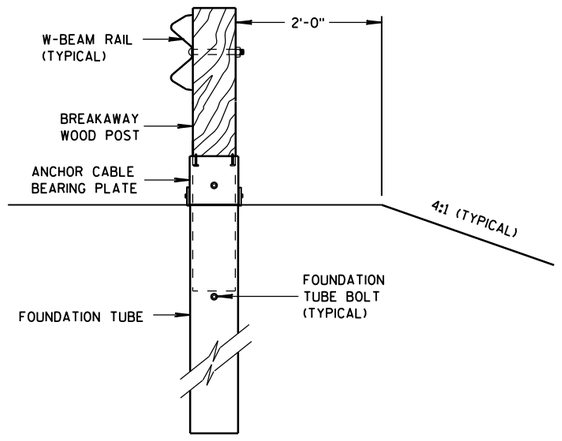
FRONT VIEW

END RAIL DETAIL



DETAIL A

POST NO. 1
GROUNG STRUT NOT SHOWN FOR CLARITY.



SECTION A-A

GENERAL NOTES

SEE SDD 14 B 42 FOR MORE INFORMATION.

END SECTION BOLTS AND NUTS HAVE THE SAME MATERIAL REQUIREMENTS AS SPLICE BOLTS.

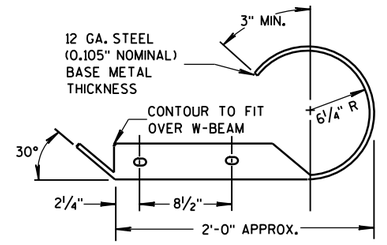
FOUNDATION TUBE BOLTS ARE ⅞" DIAMETER ASTM A307 HEX HEAD BOLT. FOUNDATION TUBE BOLTS REQUIRE ASTM A563 A NUT AND TWO ASTM F844 ⅞" DIAMETER FLAT WASHERS. INSTALL ONE WASHER UNDER BOLT HEAD AND ONE WASHER UNDER NUT.

ANCHOR BRACKET AND GROUND STRUT BOLTS ARE A ⅝" DIAMETER ASTM A307 HEX HEAD BOLT. ANCHOR BRACKET BOLTS REQUIRE ASTM A563 A NUT AND TWO ASTM F844 ⅝" DIAMETER FLAT WASHERS. INSTALL ONE WASHER UNDER BOLT HEAD AND ONE WASHER UNDER NUT.

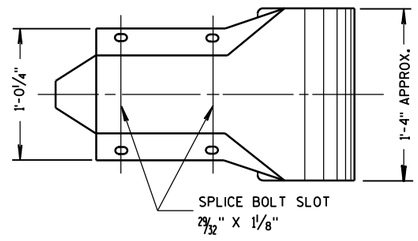
W-BEAM END SECTION ROUNDED HAS THE SAME MATERIAL PROPERTIES AS STANDARD STEEL RAIL.

(A) TOP OF FOUNDATION TUBE SHALL BE NO MORE THAN 3" ABOVE FINISHED GROUND.

(B) FOR NEW CONSTRUCTION TOP OF RAIL IS 31" ± 1".
FOR EXISTING INSTALLATIONS TOP OF RAIL IS BETWEEN 27¾" TO 32" ± 1".



PLAN VIEW



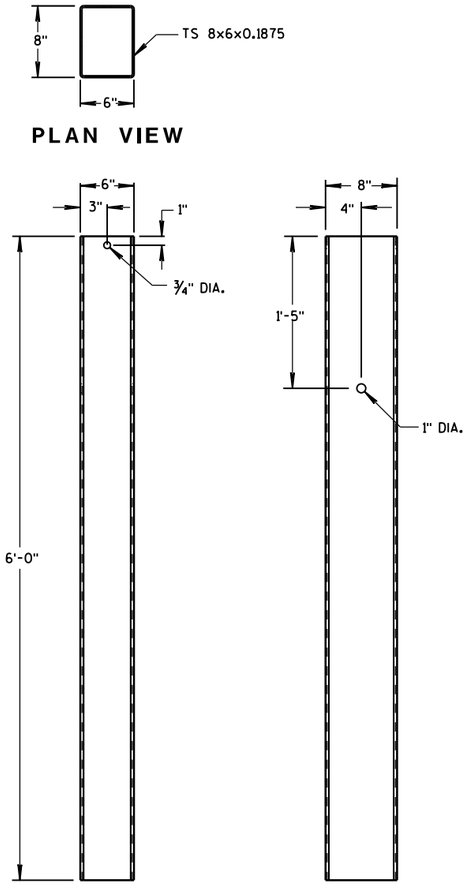
FRONT VIEW

W BEAM END SECTION ROUNDED

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
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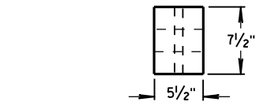
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S.D.D. 14 B 47-2a



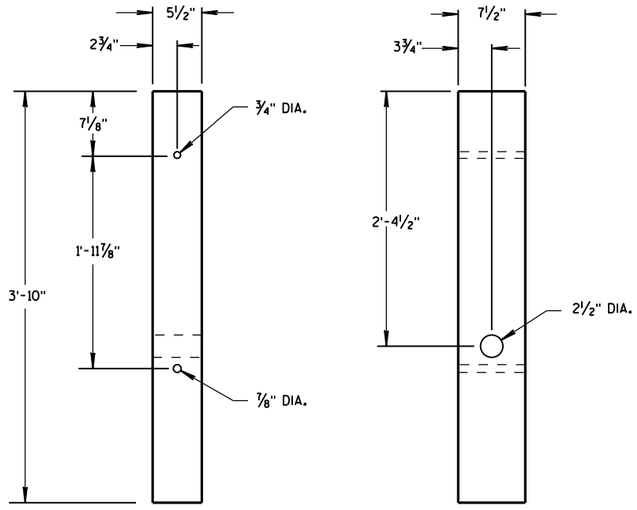
PLAN VIEW

FRONT VIEW SIDE VIEW

FOUNDATION TUBE



PLAN VIEW



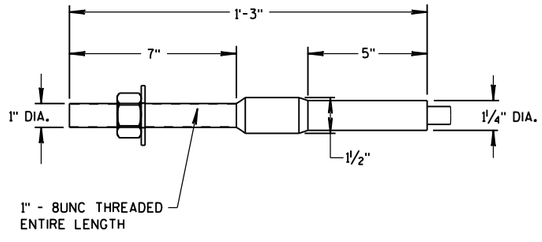
FRONT VIEW SIDE VIEW

BREAKAWAY WOOD POST

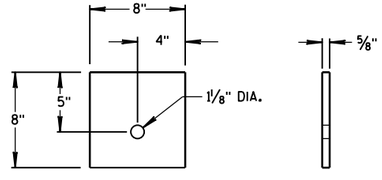
GENERAL NOTES

BCT ANCHOR CABLE IS A ¾" DIAMETER 6X19 IWRC IPS GALVANIZED WIRE ROPE. THE SWAGED FITTINGS AND STUD ARE REQUIRED. END FITTING SHALL BE MACHINED FROM HOT-ROLLED CARBON STEEL CONFORMING TO ASTM A576 GRADE 1035 AND GALVANIZED ACCORDING TO ASTM A123. TREADED STUD SHALL CONFORM TO ASTM A325 OR SAE GRADE 5. MINIMUM BREAKING STRENGTH OF WIRE ROPE IS 43,000 LB. WIRE ROPE IS TO BE TAUT.

BCT ANCHOR CABLE



DETAIL B



SIDE VIEW FRONT VIEW

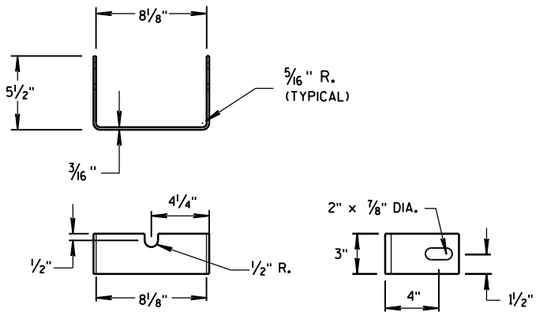
ANCHOR CABLE
BEARING PLATE

MIDWEST GUARDRAIL
SYSTEM (MGS) TYPE 2 TERMINAL

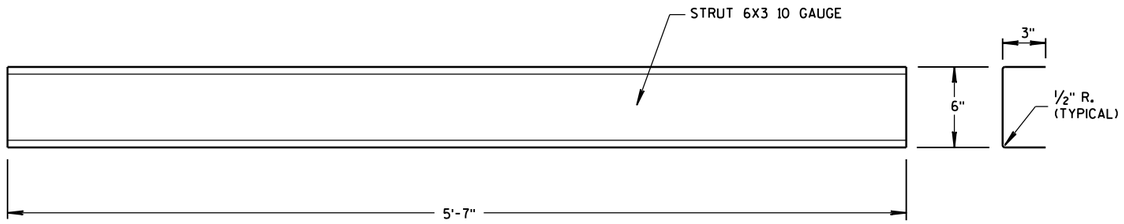
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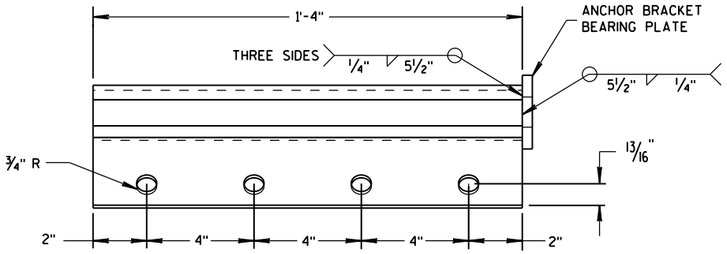
S.D.D. 14 B 47-2b

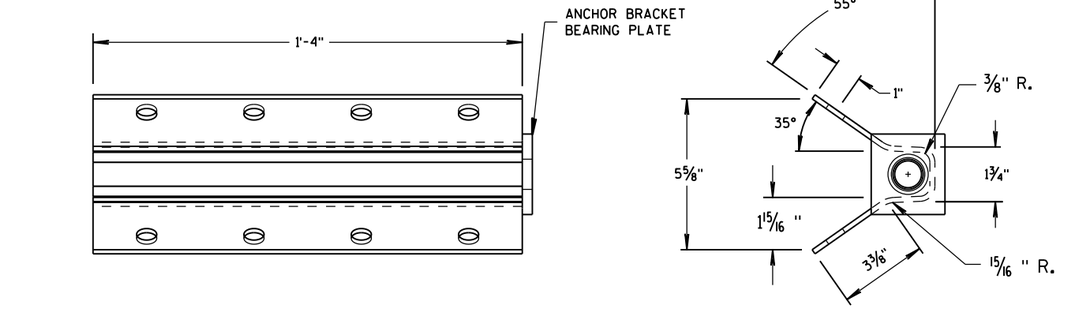


YOKE DETAIL

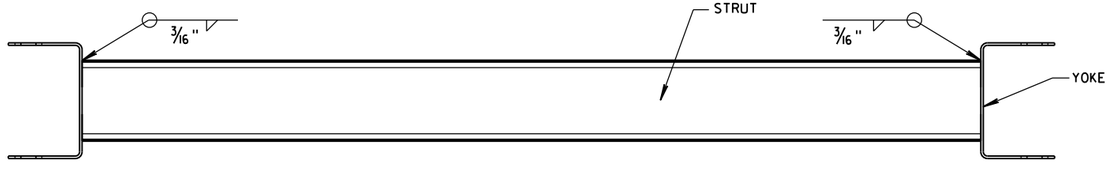


STRUT DETAIL

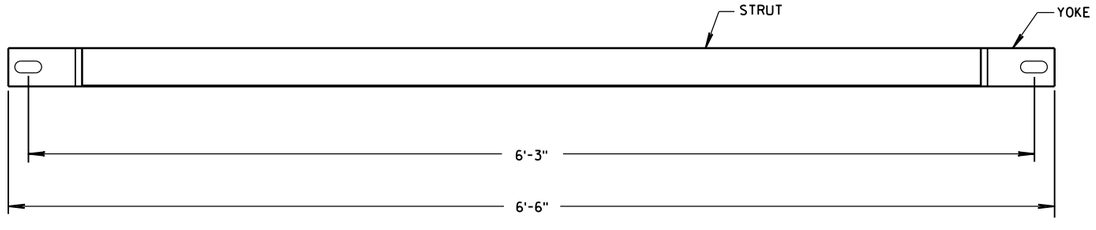




ANCHOR BRACKET

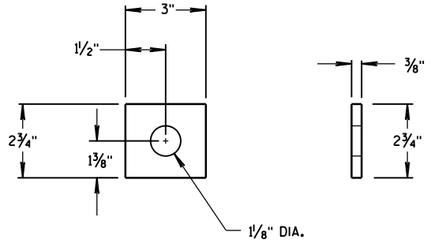


PLAN VIEW



FRONT VIEW

GROUND STRUT DETAIL



ANCHOR BRACKET BEARING PLATE

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
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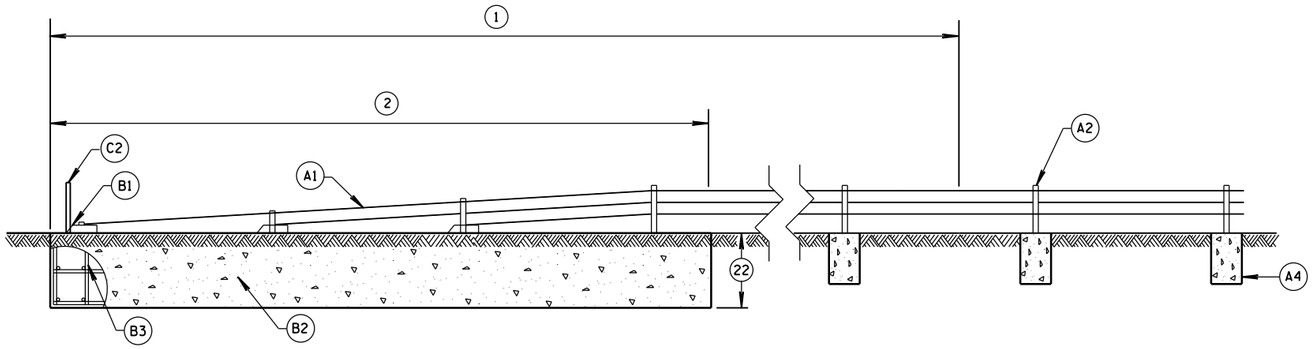
APPROVED
June 2014
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
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FHWA

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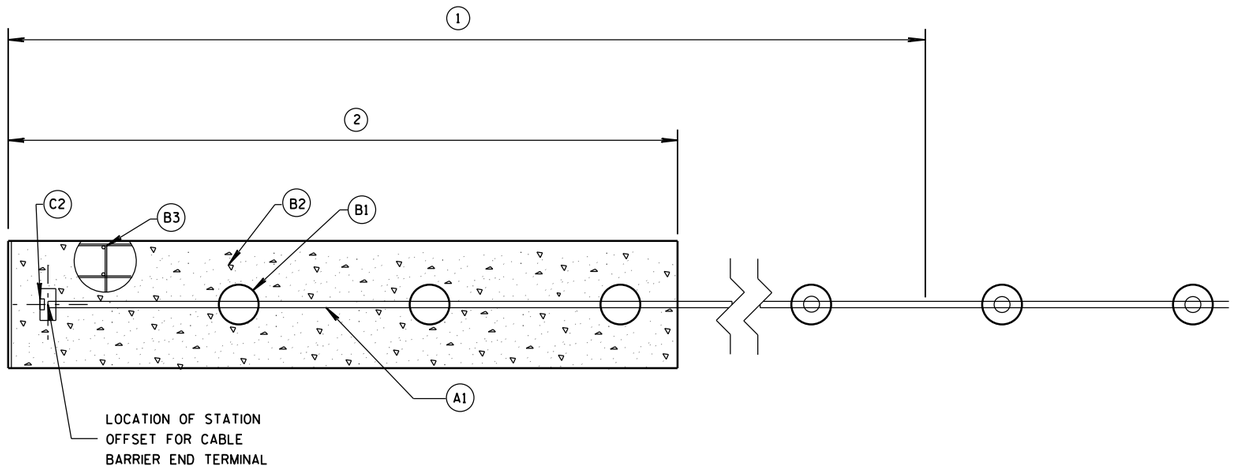
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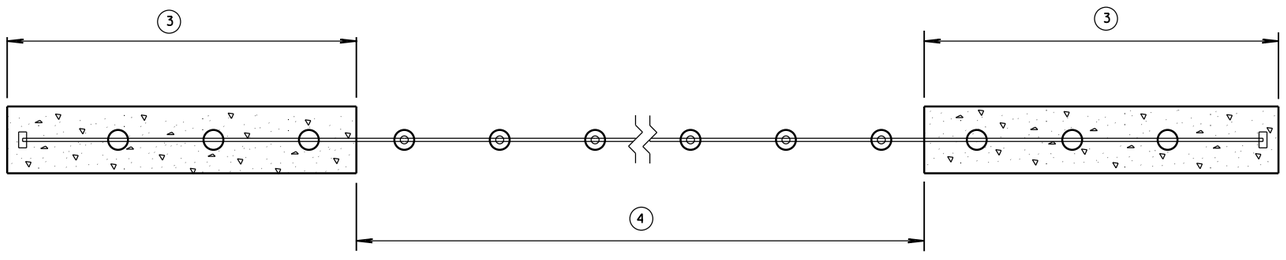


PROFILE VIEW



PLAN VIEW

TRANSITION FROM CABLE BARRIER TERMINAL TO CABLE BARRIER LINE POSTS



TYPICAL PLAN VIEW

GENERAL NOTES

DRAWINGS ARE GENERAL IN NATURE. SEE MANUFACTURER'S INFORMATION FOR MORE DETAIL.

PROVIDE 2 INCH CLEAR COVER FROM OUTER EDGE OF CONCRETE FOOTINGS TO REINFORCEMENT.

INSTALL LINE POST PLUMB. LINE POSTS ARE TO BE EASILY REMOVED BY HAND AND HOLD CABLES AT THE PROPER ELEVATION.

PROVIDE CABLE BARRIER SYSTEM FROM APPROVED PRODUCT LIST.

PROVIDE A SYSTEM TO HAVE THE WORKING WIDTH INDICTED IN PLAN.

PROVIDE DOCUMENTATION HOW POST SPACING, RADIUS OF CURVE AND ANCHOR SPACING INFLUENCES WORKING WIDTH TO CONSTRUCTION STAFF.

PROVIDE A WISCONSIN PROFESSIONAL ENGINEERS STAMPED ANALYSIS THAT THE LINE POST AND CABLE BARRIER END TERMINAL FOOTINGS ARE DESIGNED FOR THE SOIL CONDITIONS PRESENT. THE WISCONSIN P.E. STAMP ANALYSIS IS TO INCLUDE, BUT IS NOT LIMITED TO: DESIGN IMPACT LOADS, FOUNDATION DEISGN METHODOLOGY USED, FACTORS OF SAFETY, SOIL TYPE, SOIL CONDITIONS, AND TEMPERATURE RANGES.

DESIGN LINE POST FOOTINGS SO THAT LINE POST FOOTING MOVE LESS THAN 1 INCH WHEN LINE POST IS IMPACTED BY A TL-3 SMALL CAR.

BILL OF MATERIALS

PART NUMBER	QTY.	DESCRIPTION	MATERIALS SPECIFICATIONS
(A1)	3 OR 4	3/4" 3x7 PRESTRECHED GALVANIZED STEEL WIRE ROPE	ASTM A741 MIN. BREAKING STRENGTH 39,000 LBS.
			AASHTO M30 TYPE 1 CLASS A (GALVANIATION).
			MINIMUM WIRE ROPE MODULUS OF ELASTICITY OF 19,000 PSI ACCORDING TO ISO 12067-202 WIRE ROPE MODULUS OF ELASTICITY "INITIAL" (AS MANUFACTURED), WITH NO BEDDING OR PRESTRECHING OF THE ROPE PERMITTED DURING TESTING.
(A2)	1 PER LINE POST	GALVANIZED REMOVABLE STEEL LINE POST	SEE MANUFACTURER'S INFORMATION ON DIMENSIONS AND MATERIAL REQUIREMENTS.
			ASTM A123 (GALVANIZATION).
(A3)	1 PER LINE POST	GALVANIZED METAL SLEEVE	SEE MANUFACTURER'S INFORMATION ON DIMENSIONS AND MATERIAL REQUIREMENTS.
			ASTM A123 (GALVANIZATION).
(A4)	VARIES	CONCRETE FOR LINE POST FOOTING	A, A-FA.A-T, OR A-IP OF STANDARD SPECIFICATION 501.2 OR AS MANUFACTURER SPECIFIES.
			STANDARD SPECIFICATION 716 OMP FOR CLASS II ANCILLARY CONCRETE.
			SEE MANUFACTURER'S INFORMATION ON DIMENSIONS.
(A5)	VARIES	EPOXY COATED STEEL REINFORCEMENT	STANDARD SPECIFICATION 505.
(A6)	VARIES	TURNBUCKLES AND OTHER CABLE CONNECTING HARDWARE	SEE MANUFACTURER'S INFORMATION ON DIMENSIONS.
			MINIMUM BREAKING STRENGTH OF TURNBUCKLES AND CONNECTION HARDWARE IS EQUAL TO CABLE.
			TURNBUCKLES AND OTHER CABLE CONNECTION HARDWARE IS FIELD SWAGED PER MANUFACTURER'S RECOMMENDATIONS AND DETAILS.
(B1)	VARIES	CABLE CONNECTION TO CABLE BARRIER END TERMINAL	SEE MANUFACTURER'S INFORMATION ON DIMENSIONS AND MATERIAL REQUIREMENTS.
(B2)	VARIES	CONCRETE FOR CABLE BARRIER END TERMINAL	A, A-FA.A-T, OR A-IP OF STANDARD SPECIFICATION 501.2.
			STANDARD SPECIFICATION 716 OMP FOR CLASS II ANCILLARY CONCRETE.
(B3)	VARIES	EPOXY COATED STEEL REINFORCEMENT	STANDARD SPECIFICATION 505.
(C1)	VARIES	LINE POST DELINEATOR	REFLECTIVE SHEETING TYPE SH. SEE APPROVE PRODUCT LIST YELLOW.
(C2)	VARIES	CABLE BARRIER END TERMINAL DELINEATOR	REFLECTIVE SHEETING TYPE SH. SEE APPROVE PRODUCT LIST OBJECT MARKER TYPE 3 PATTERN.

(1) LOCATION OF LENGTH OF NEED POINT FOR CABLE BARRIER END TERMINAL VARIES. (SEE MANUFACTURER'S INFORMATION)

(2) PAY LIMIT FOR CABLE BARRIER END TERMINAL. LENGTH OF CABLE BARRIER END TERMINAL VARIES. (SEE MANUFACTURER'S INFORMATION)

(3) CABLE BARRIER END TERMINAL

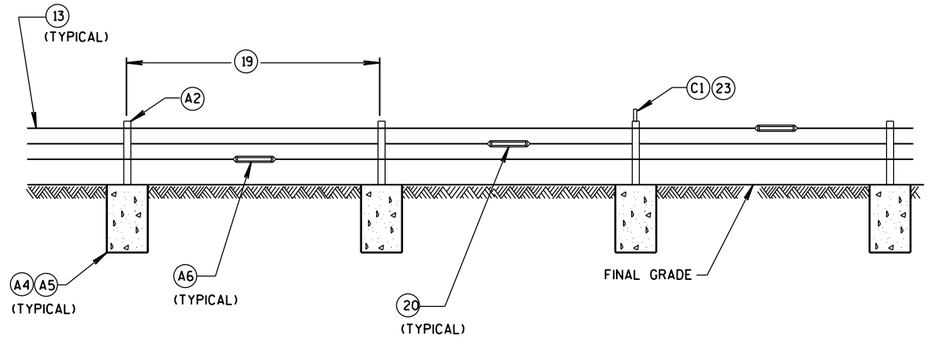
(4) CABLE BARRIER AND LINE POSTS

CABLE BARRIER TYPE 1 LAYOUT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

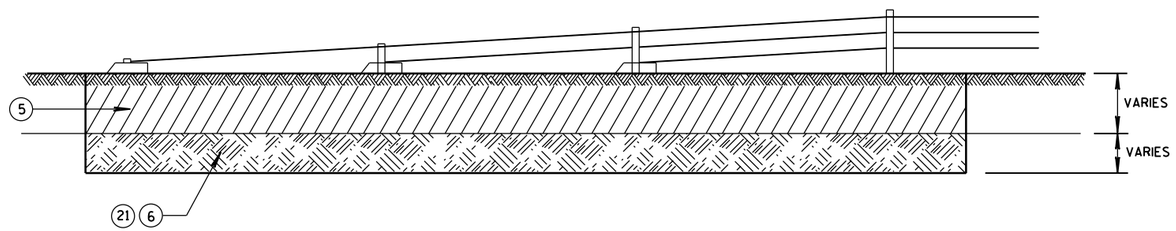
6

S.D.D. 14 B 52-1a



PROFILE VIEW

LINE POST INSTALLATION



CABLE BARRIER END TERMINAL ROCK EXCAVATION DETAIL

(5) SOIL TO BE EXCAVATED FOR CABLE BARRIER END TERMINAL (VARIES).

(6) ROCK TO BE EXCAVATED FOR CABLE BARRIER END TERMINAL (VARIES).

(7) SOIL TO BE EXCAVATED FOR LINE POST (VARIES).

(8) ROCK TO BE EXCAVATED FOR LINE POST (VARIES).

(9) EXCAVATE AND GRADE LINE FOR LINE POST FOOTINGS. INSTALL LINE POST FOOTING TO MINIMIZE 4 INCH TALL OBJECT ON 5 FOOT CHORD.

(10) 2 INCHES OF CLEAR COVER FROM EDGE OF CONCRETE TO REINFORCEMENT.

(11) DIAMETER OF LINE POST FOOTING VARIES. SEE MANUFACTURER'S INFORMATION.

(12) MINIMUM DEPTH OF LINE POST FOOTING IS 48 INCHES IN SOIL. DEEPER FOOTINGS PER MANUFACTURER'S RECOMMENDATION ARE ACCEPTABLE.

(13) NUMBER AND LOCATION OF CABLES VARY. SEE MANUFACTURER'S INFORMATION.

(14) LINE POST DIMENSIONS AND CONNECTION HARDWARE VARY. SEE MANUFACTURER'S INFORMATION.

(15) LANE OF ROADWAY (VARIES). SEE PLAN FOR MORE INFORMATION.

(16) PAVED SHOULDER (VARIES). SEE PLAN FOR MORE INFORMATION.

(17) GRAVEL SHOULDER (VARIES). SEE PLAN FOR MORE INFORMATION.

(18) CABLE BARRIER OFFSET FROM CENTERLINE OF MEDIAN DITCH (8 FOOT MINIMUM). SEE PLAN FOR MORE INFORMATION.

(19) MAXIMUM POST SPACING IS 15 FEET.

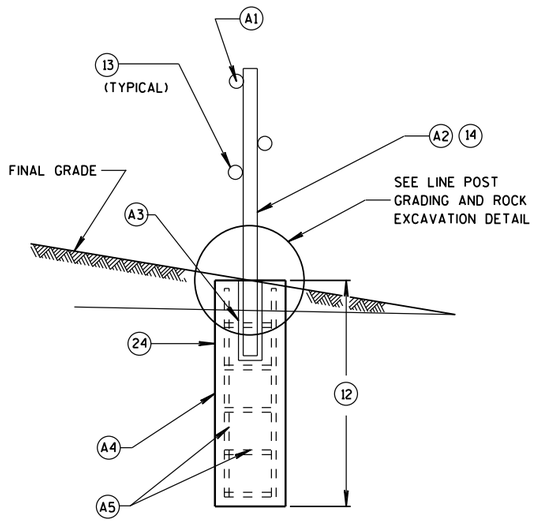
(20) STAGGER TURNBUCKLES (TYPICAL).

(21) SEE MANUFACTURER'S DESIGN WHEN ROCK IS ENCOUNTERED.

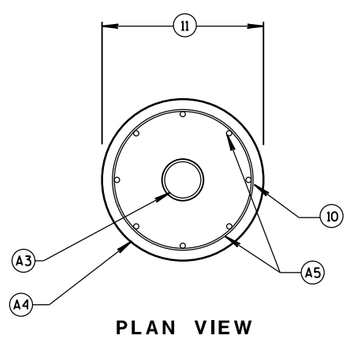
(22) IN SOIL MINIMUM DEPTH OF CABLE BARRIER END TERMINAL FOOTING IS 60 INCHES. DEEPER FOOTINGS PER MANUFACTURER'S RECOMMENATION ARE ACCEPTABLE.

(23) LINE POST DELINEATOR SPACING IS 100 FEET.

(24) LINE POST FOOTINGS ARE REQUIRED TO HAVE LESS THAN 1 INCH OF MOVEMENT WHEN LINE POST IS IMPACTED BY A NCHRP 350 SMALL CAR UNDER TL-3 TEST CONDITIONS.

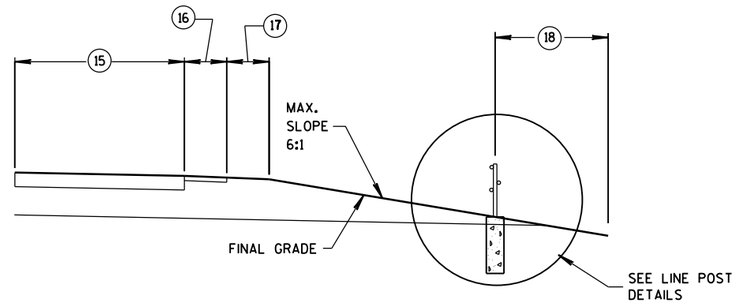


CROSS SECTION

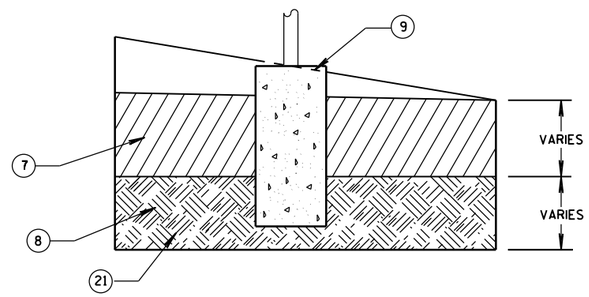


PLAN VIEW
(LINE POST AND CABLES NOT SHOWN)

LINE POST DETAILS



CABLE BARRIER OFFSET FROM DITCH LINE



LINE POST GRADING AND ROCK EXCAVATION DETAIL

CABLE BARRIER TYPE 1
LAYOUT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June. 2015
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

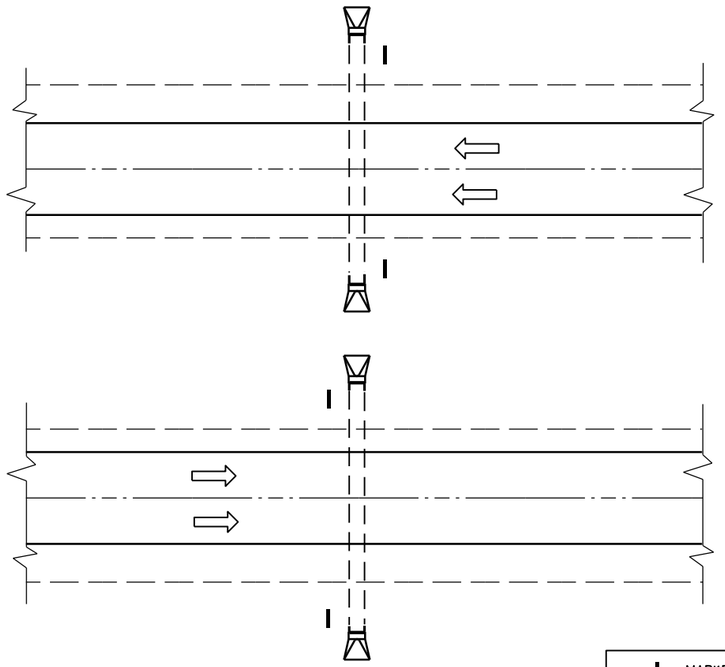
FHWA

6

S.D.D. 14 B 52-1b

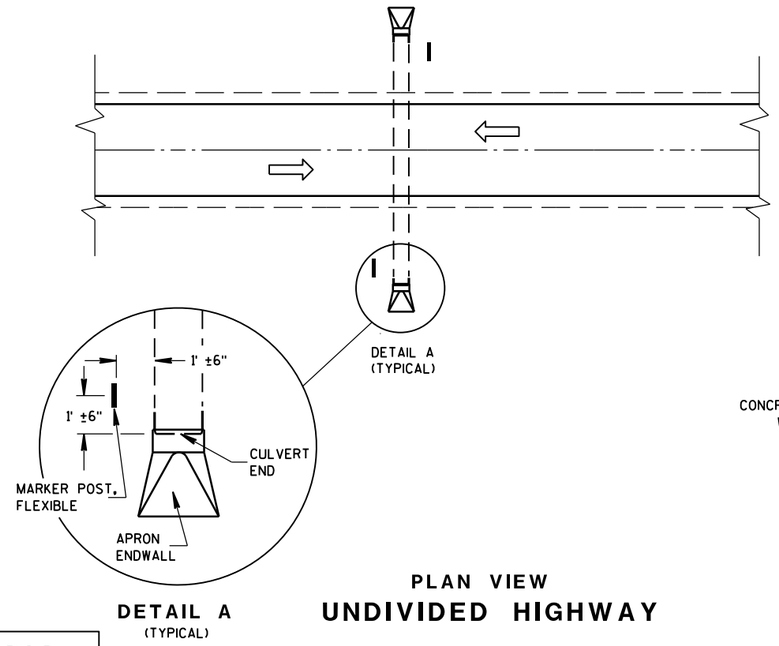
6

S.D.D. 14 B 52-1b



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

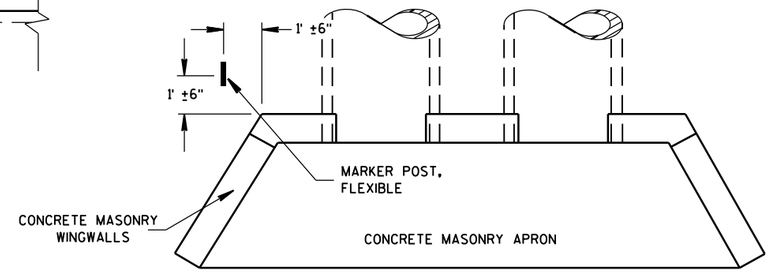
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

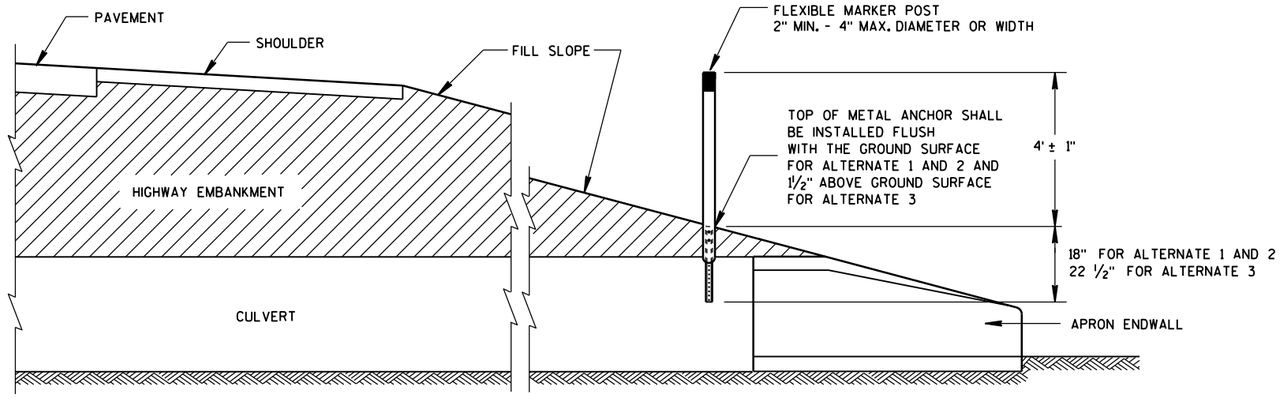
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

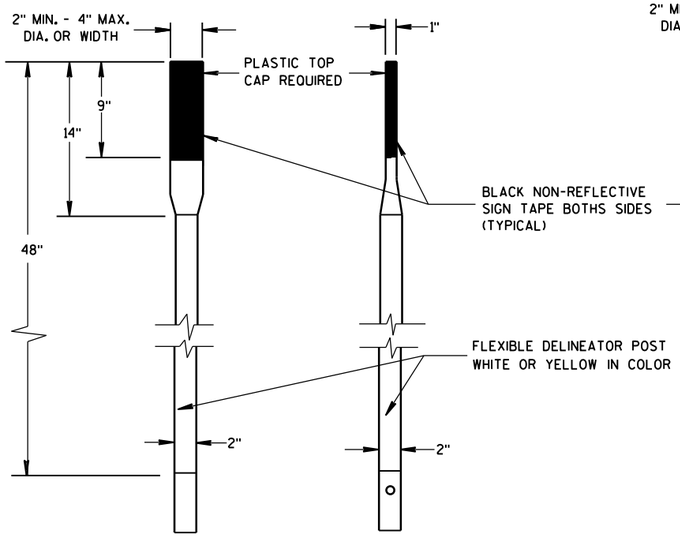
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

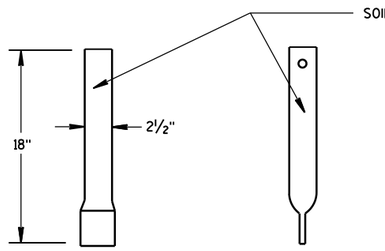
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S.D.D. 15 A 3-2a

6

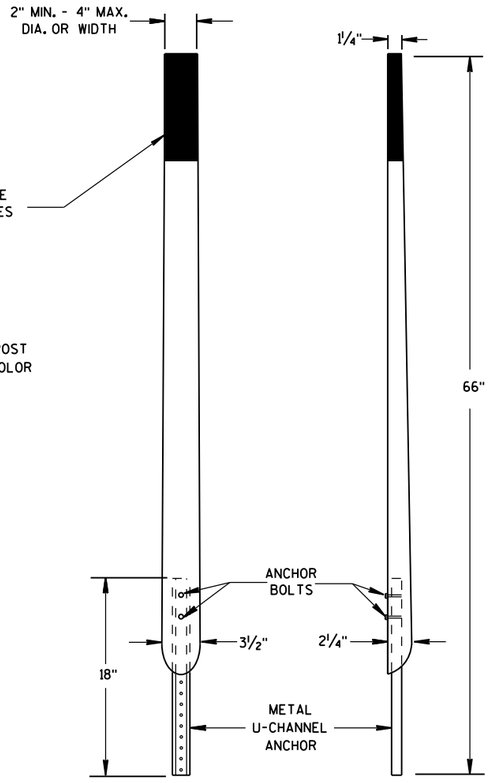
S.D.D. 15 A 3-2a





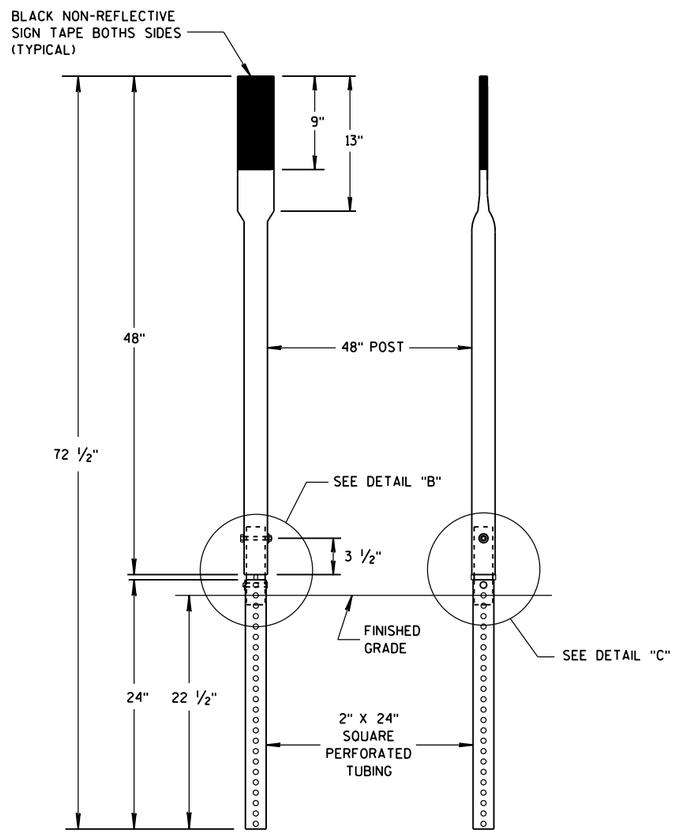
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

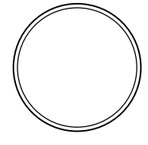
ALTERNATE 2



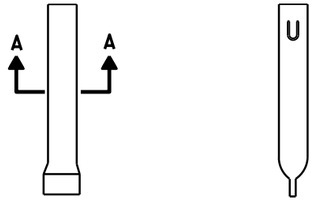
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POSTS

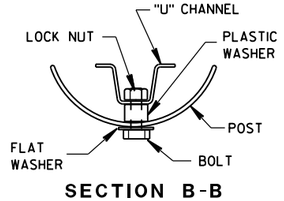


SECTION A-A

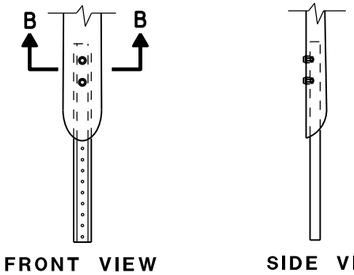


FRONT VIEW SIDE VIEW

ALTERNATE 1

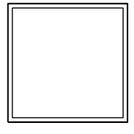


SECTION B-B

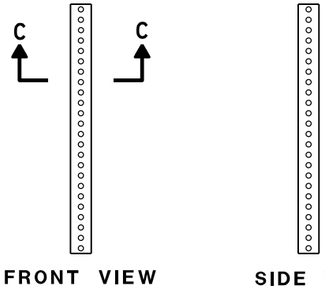


FRONT VIEW SIDE VIEW

ALTERNATE 2



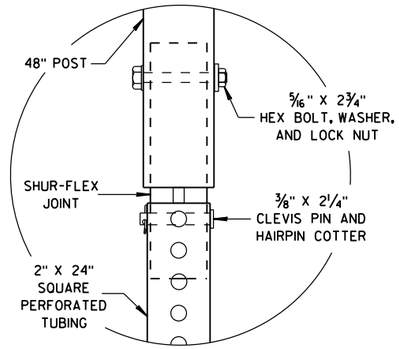
SECTION C-C



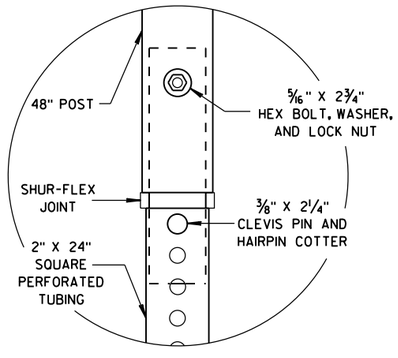
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

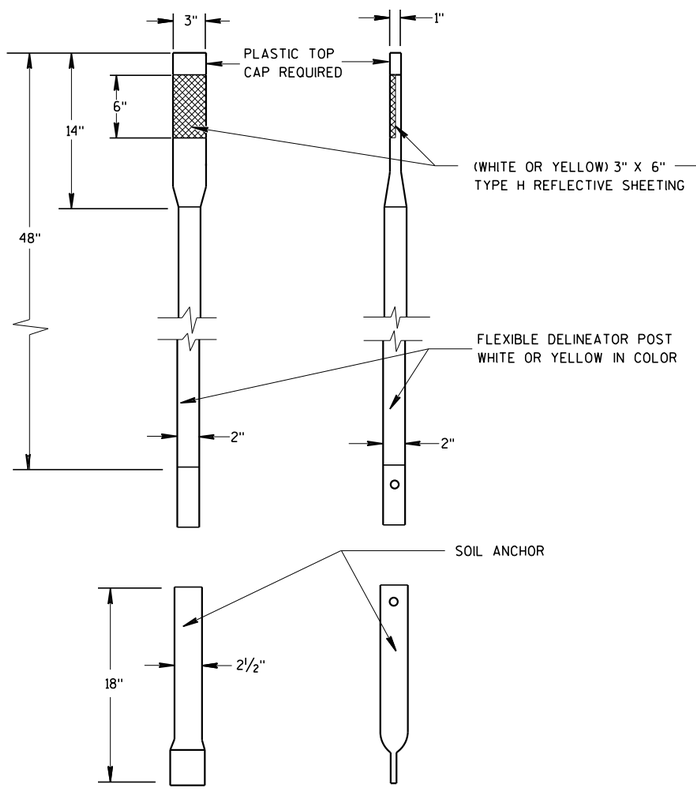
APPROVED
10/1/2012
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
607
IGN
FHWA

6

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

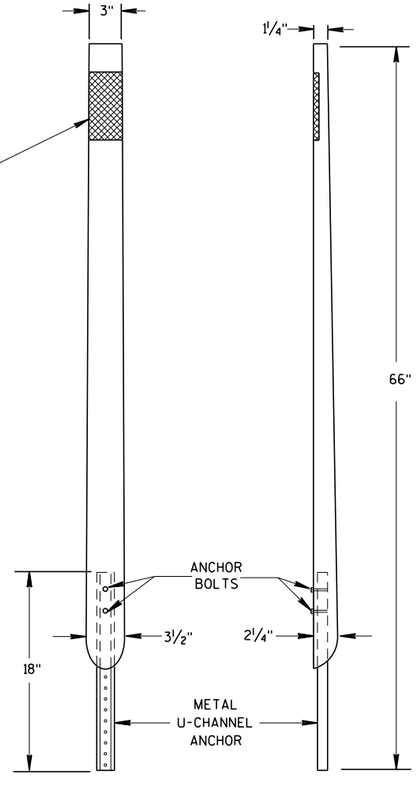
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S.D.D. 15 A 3-2b



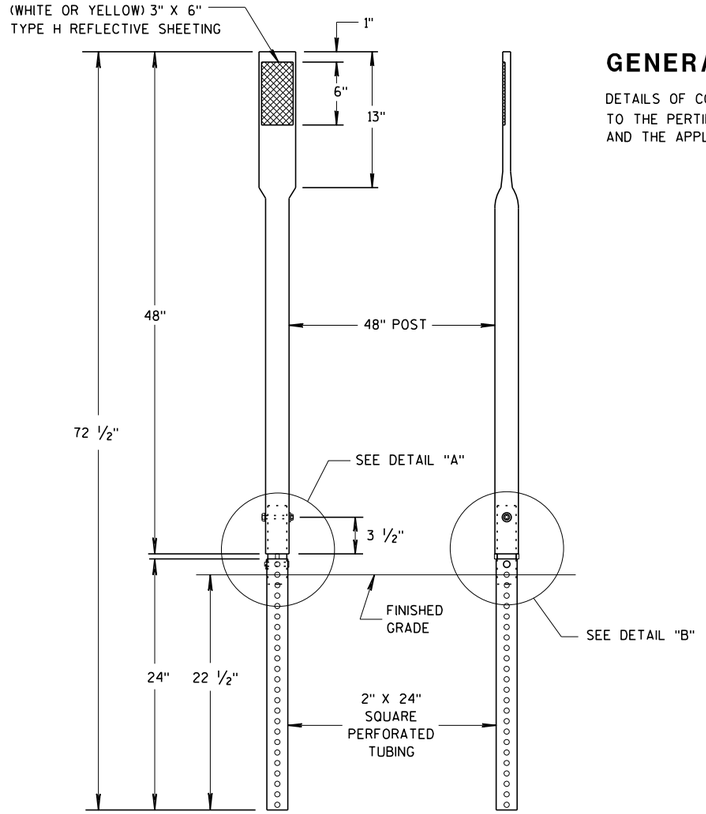
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

ALTERNATE 2
FLEXIBLE DELINEATOR POSTS

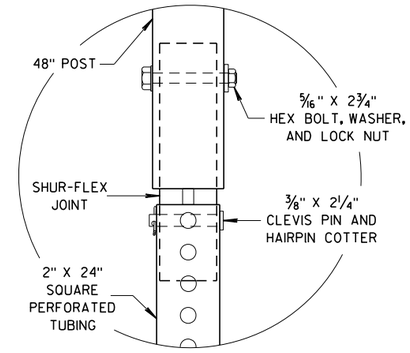


FRONT VIEW SIDE VIEW

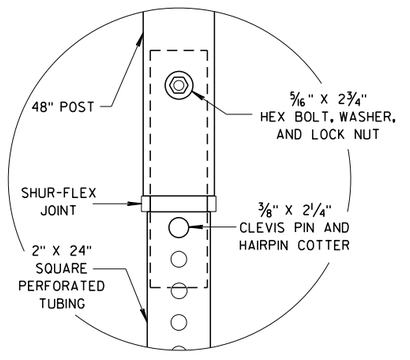
ALTERNATE 3

GENERAL NOTES

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



DETAIL A

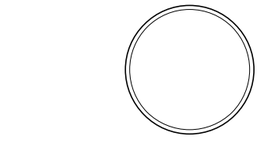


DETAIL B

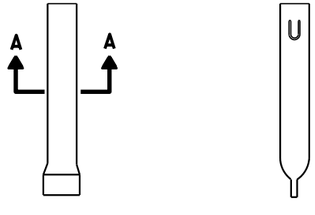
REFLECTOR SPACING TABLE

REFLECTOR SPACING	LOCATION
*100' C-C	RAMPS
400' C-C	MAINLINE

*START AT BEGINNING OF RAMP TAPER AND END AT END OF RAMP TAPER

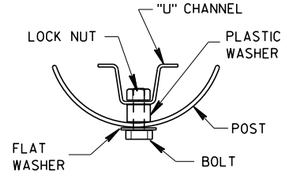


SECTION A-A

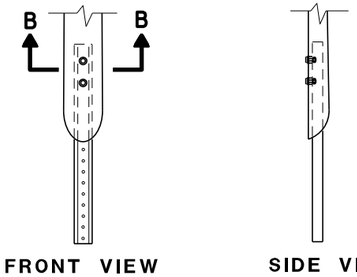


FRONT VIEW SIDE VIEW

ALTERNATE 1



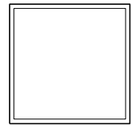
SECTION B-B



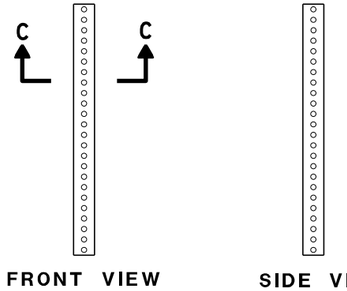
FRONT VIEW SIDE VIEW

ALTERNATE 2

FLEXIBLE MARKER POST ANCHORS



SECTION C-C



FRONT VIEW SIDE VIEW

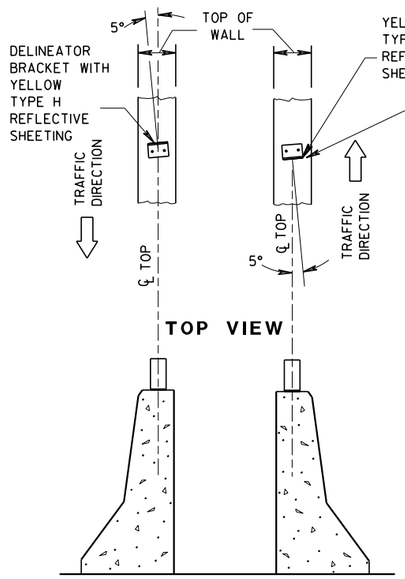
ALTERNATE 3

FLEXIBLE DELINEATOR POST

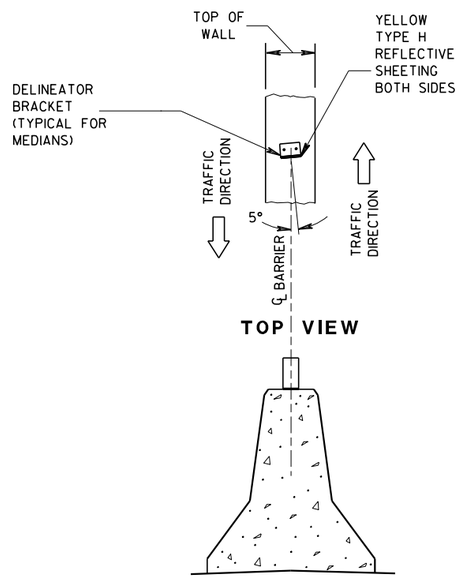
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Matt Rauch — STATE SIGNING AND MARKING ENGINEER
608
FHWA

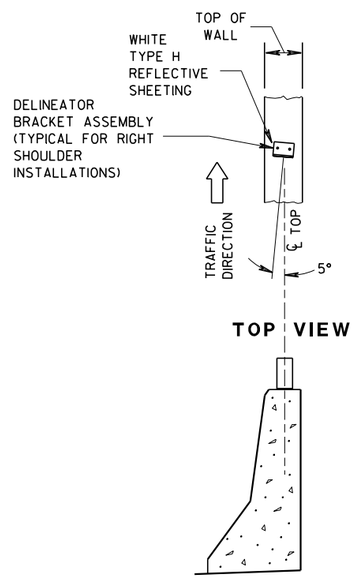
6
S.D.D. 15 A 4-4a



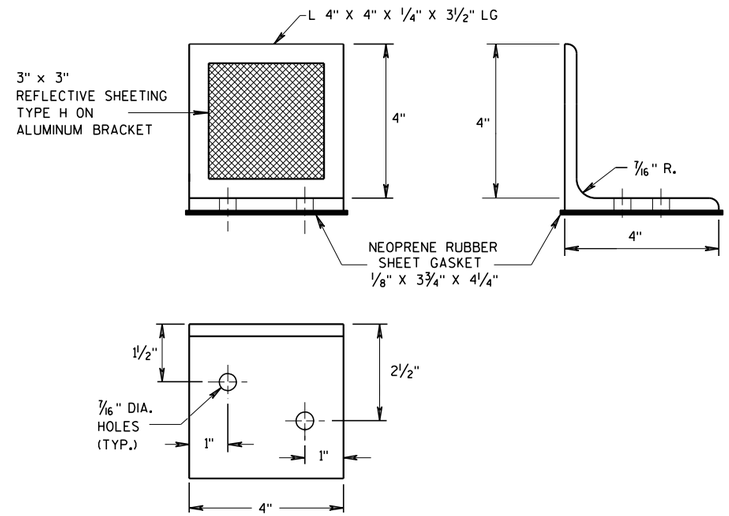
DOUBLE BARRIERS IN MEDIAN



MEDIAN BARRIER



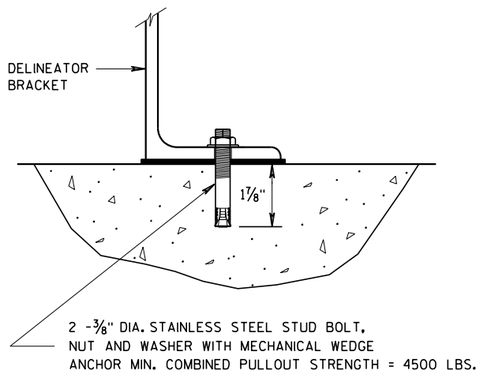
BARRIER LOCATED
TO RT. OF TRAFFIC FLOW



DELINEATOR BRACKET

DOUBLE BARRIERS IN MEDIAN | MEDIAN BARRIER | BARRIER LOCATED TO RT. OF TRAFFIC FLOW

LOCATION AND AIMING DETAILS FOR DELINEATOR BRACKETS MOUNTED ON CONCRETE BARRIERS



DELINEATOR BRACKET
MOUNTING DETAIL

REFLECTOR SPACING TABLE

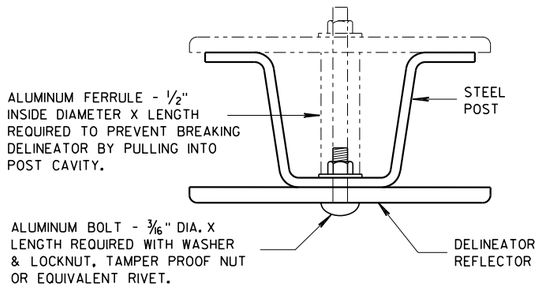
REFLECTOR SPACING	MINIMUM NUMBER OF REFLECTORS
100' C-C	3

DELINEATOR BRACKET WITH REFLECTIVE SHEETING

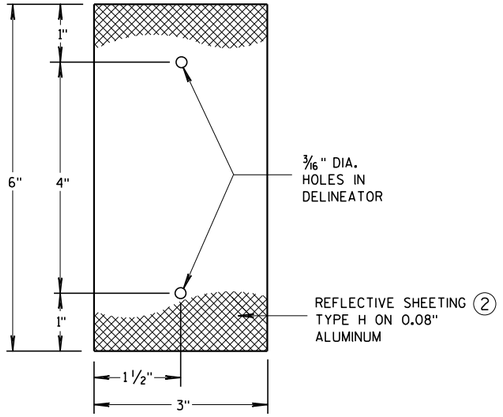
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Matthew P. Rauch
STATE SIGNING AND M. 609 ENGINEER
FHWA

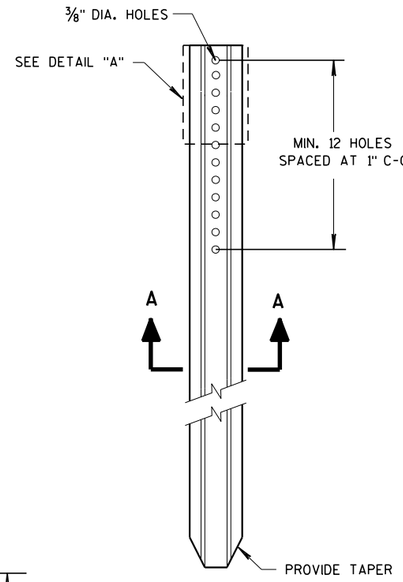
6
S.D.D. 15 A 4-4b



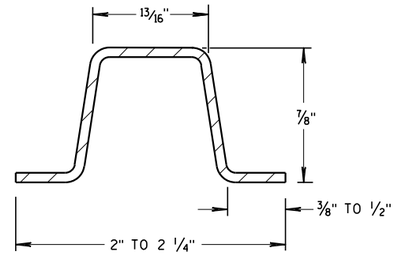
MOUNTING DETAIL FOR DELINEATOR REFLECTOR



DETAIL "A" 3" X 6" DELINEATOR REFLECTOR



DELINEATOR POST



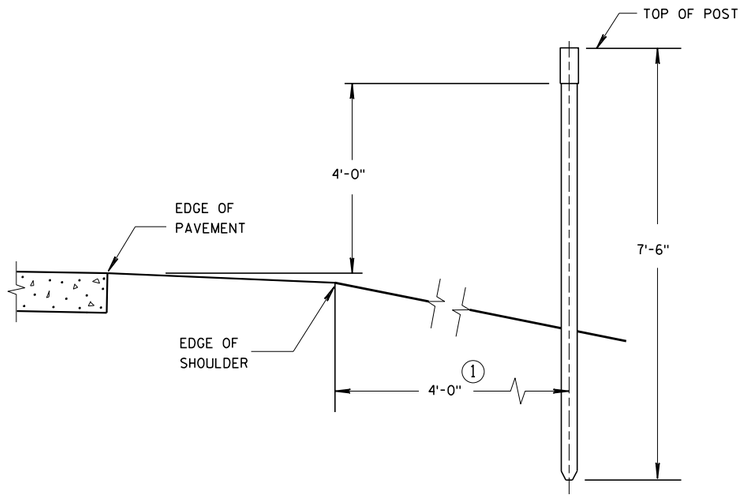
SECTION A-A

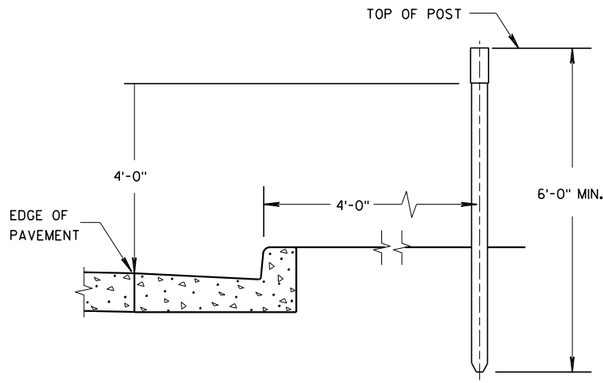
WEIGHT 1.12 LBS PER FT. ± 0.1 LB.

REFLECTOR SPACING TABLE

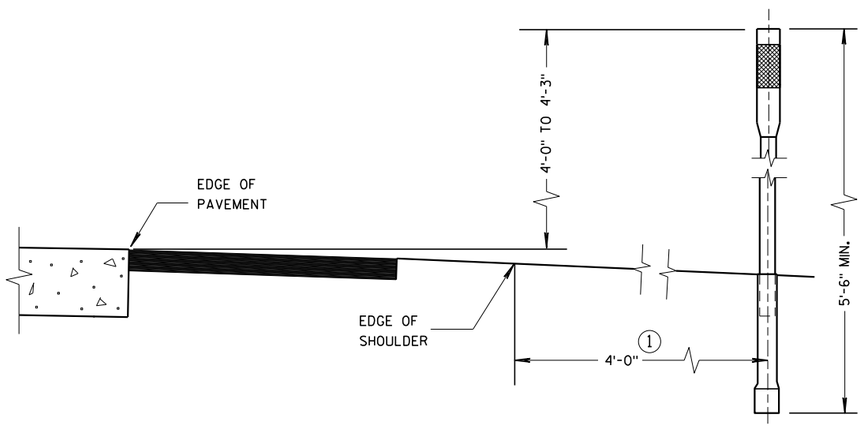
REFLECTOR SPACING	LOCATION
400'	MAINLINE
100'	RAMPS *

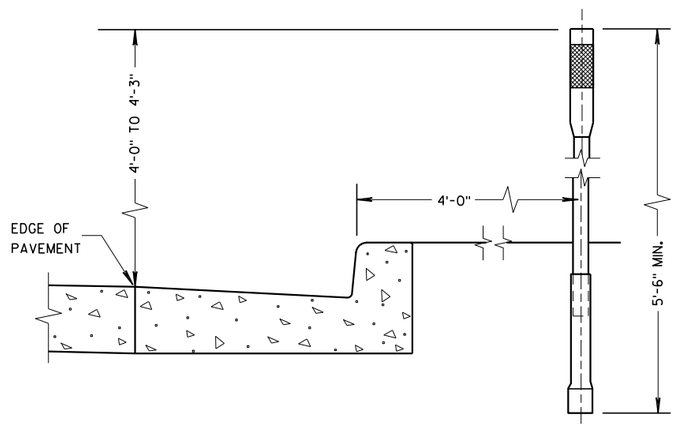
* START AT BEGINNING OF RAMP TAPER AND END AT END OF RAMP TAPER.





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 THE 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.

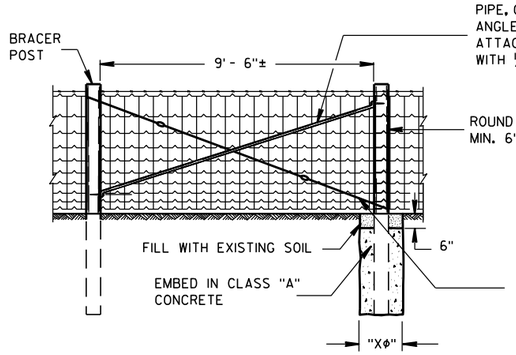
DELINEATOR POST WITH REFLECTIVE SHEETING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

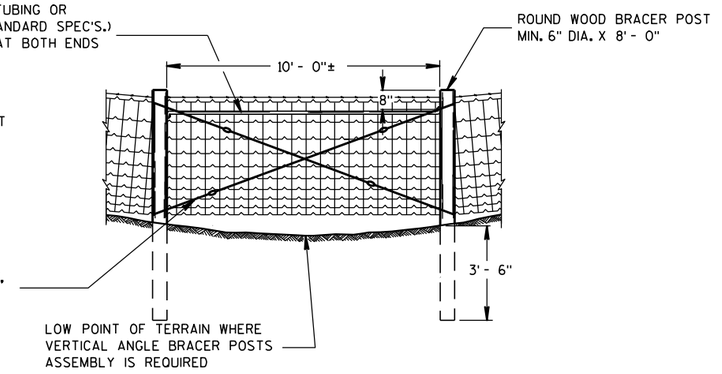
APPROVED
March 2018 — DATE
/S/ Matthew P. Rauch — STATE SIGNING AND M. 610 ENGINEER
FHWA

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

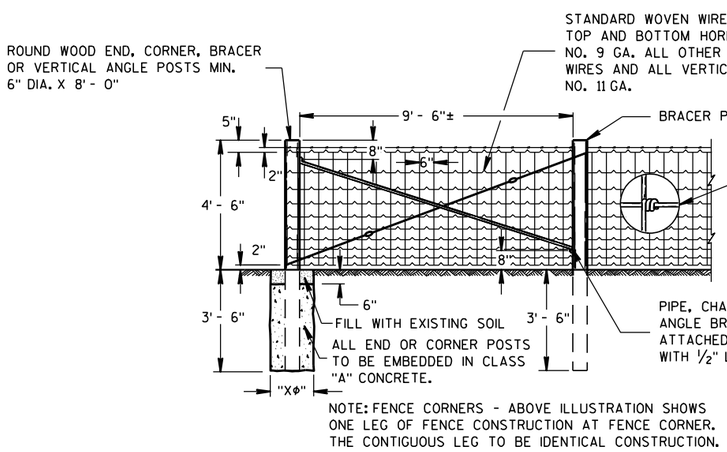
GENERAL NOTES

"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.

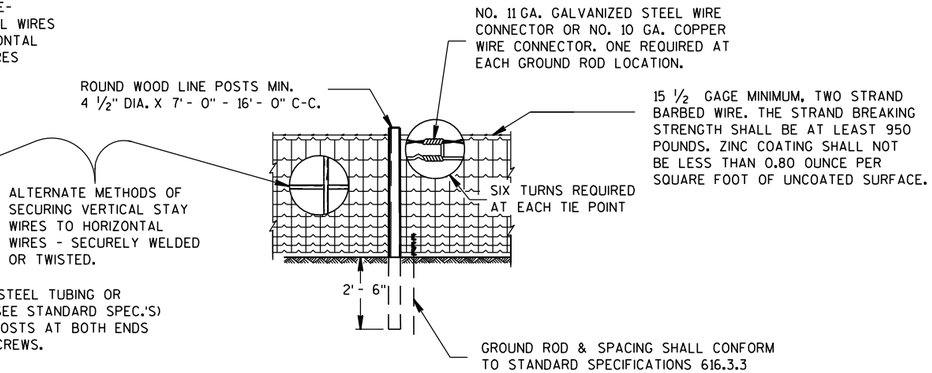
DO NOT STAPLE WIRE TIGHT TO THE LINE POSTS. ALLOW MOVEMENT OF WIRE FOR EXPANSION AND CONTRACTION. STAPLE ARRANGEMENT SHALL BE THE SAME FOR ALL OTHER POSTS EXCEPT THAT THEY SHALL BE DRIVEN TIGHT TO POSTS. ALL STAPLES SHALL BE 2" X 9 GAGE AND SHALL BE MANUFACTURED FROM GALVANIZED WIRE OR HOT DIP GALVANIZED 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.



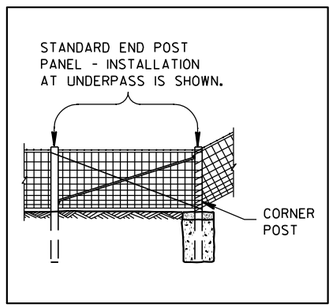
NOTE: FENCE CORNERS - ABOVE ILLUSTRATION SHOWS ONE LEG OF FENCE CONSTRUCTION AT FENCE CORNER. THE CONTIGUOUS LEG TO BE IDENTICAL CONSTRUCTION.

END OR CORNER POSTS ASSEMBLY

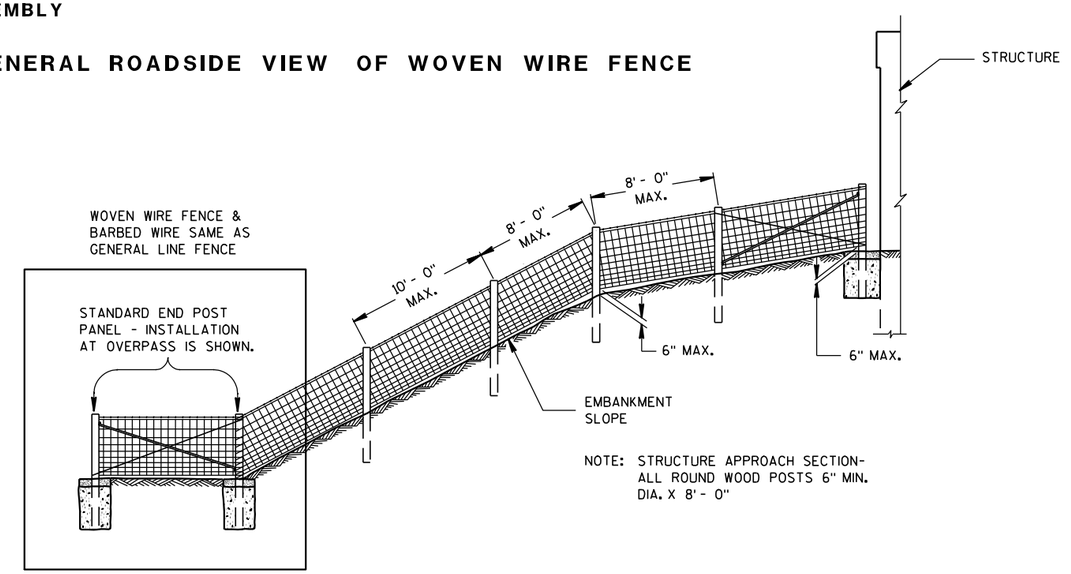


LINE FENCE CONSTRUCTION

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

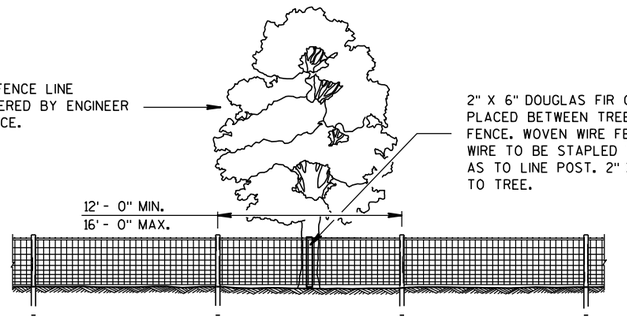
S.D.D. 15 B 1-8a

6

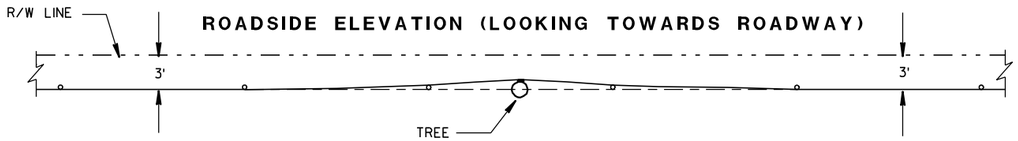
S.D.D. 15 B 1-8a

NOTE: TREE IN NORMAL FENCE LINE SPECIFICALLY ORDERED BY ENGINEER TO REMAIN IN PLACE.

2" X 6" DOUGLAS FIR OR SO. YELLOW PINE PLACED BETWEEN TREE AND WOVEN WIRE FENCE. WOVEN WIRE FENCE AND BARBED WIRE TO BE STAPLED TO 2" X 6" LIKE AS TO LINE POST. 2" X 6" NOT FASTENED TO TREE.

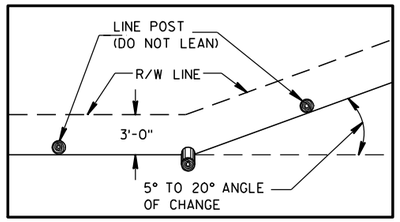


ROADSIDE ELEVATION (LOOKING TOWARDS ROADWAY)

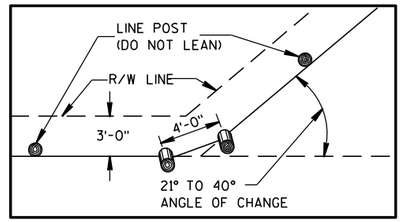


PLAN VIEW

FENCE DESIGN AT TREES REMAINING IN NORMAL FENCE LINE



PLAN VIEW
SINGLE POST CORNER

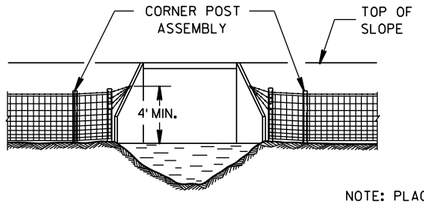


PLAN VIEW
DOUBLE POST CORNER

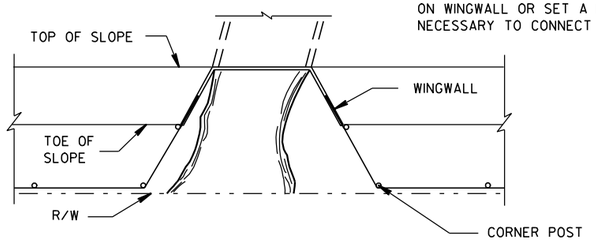
RIGHT OF WAY LINE CHANGE 40° AND LESS

NOTE: SINGLE AND DOUBLE POSTS SHALL BE A MIN. 6" DIA. X 8'-0" WITH A LEAN OF 4" TOWARD THE OUTSIDE OF THE CURVE.

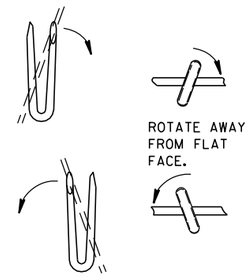
WHEN THE RIGHT OF WAY LINE CHANGE IS MORE THAN 40° USE THE CORNER OR STRETCHER POSTS ASSEMBLY.



NOTE: PLACE A MINIMUM OF 4 STRANDS OF BARBED WIRE, 6" MAXIMUM CENTERS IN FAN SHAPE CONNECTED TO AN EYE BOLT ON WINGWALL OR SET A LONE POST WHEN NECESSARY TO CONNECT BARBED WIRE.



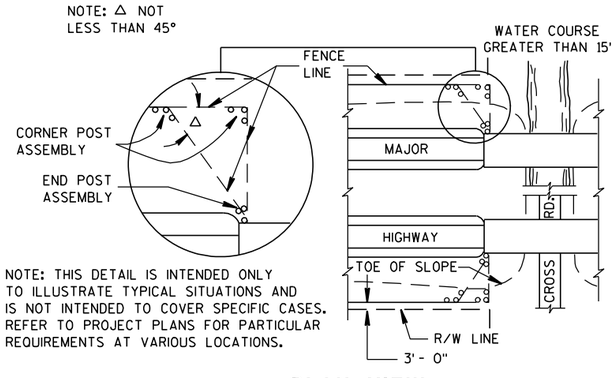
FENCE INSTALLATION TO WINGWALLS



LINE POST

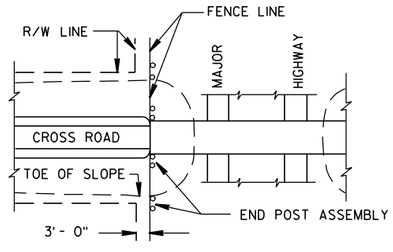
FENCE CONSTRUCTION OVER STREAM COURSES OF 15 FT. OR LESS IN WIDTH

NOTE: △ NOT LESS THAN 45°



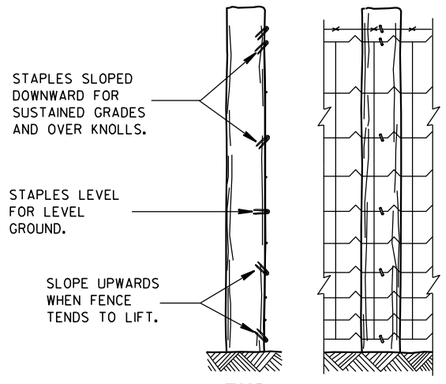
NOTE: THIS DETAIL IS INTENDED ONLY TO ILLUSTRATE TYPICAL SITUATIONS AND IS NOT INTENDED TO COVER SPECIFIC CASES. REFER TO PROJECT PLANS FOR PARTICULAR REQUIREMENTS AT VARIOUS LOCATIONS.

PLAN VIEW
MAJOR HIGHWAY OVERPASS OR STREAM COURSE CROSSING OF GREATER THAN 15 FT. IN WIDTH



PLAN VIEW
MAJOR HIGHWAY UNDERPASS

NOTE: WHEN POSTS ARE DRIVEN THE SMALL END SHALL BE DOWN.



END ELEVATION — FARM SIDE ELEVATION

FENCE MOUNTING DETAIL

FENCE LOCATION AT STRUCTURES

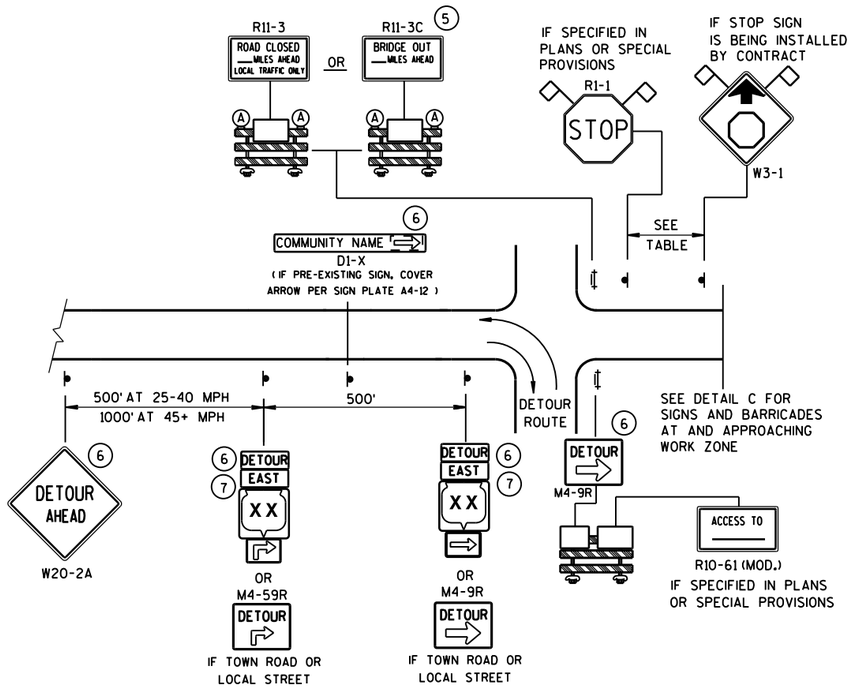
FENCE WOVEN WIRE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/4/2008
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

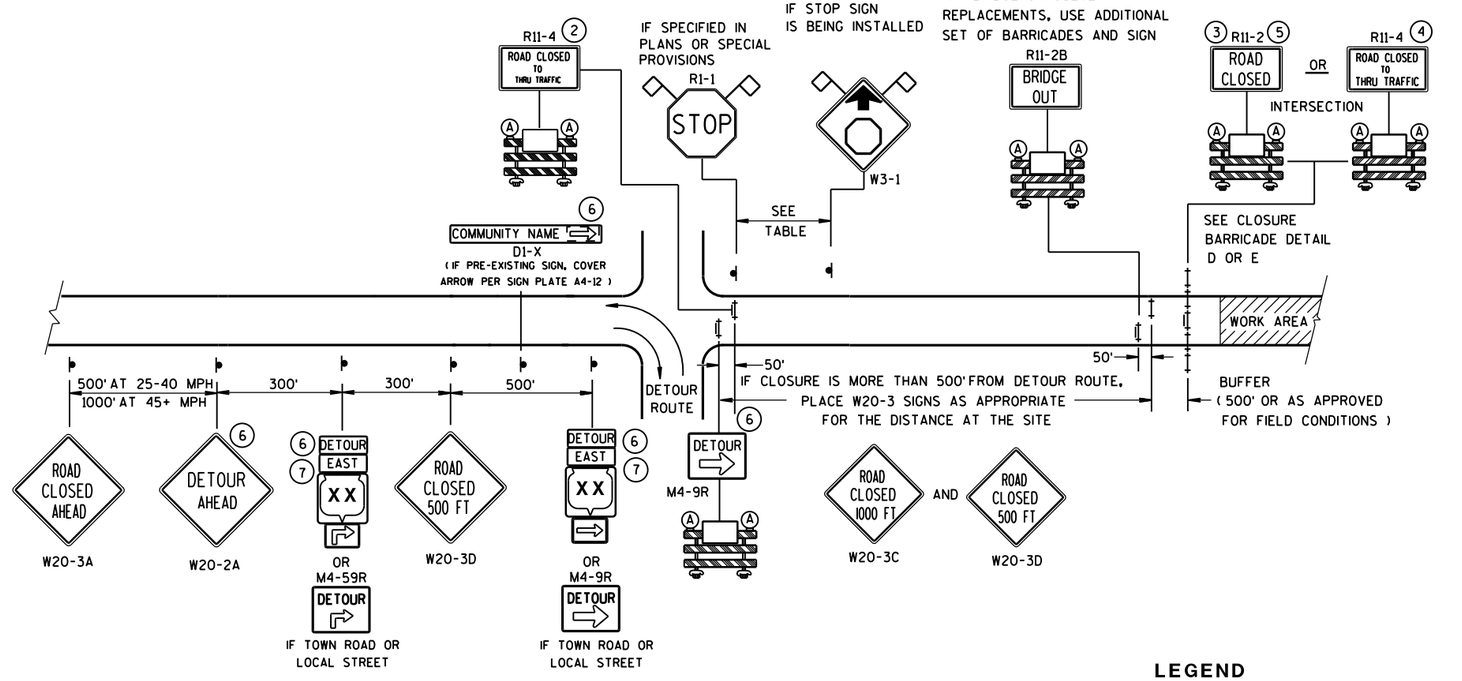
FHWA

6
S.D.D. 15 B 1-8b



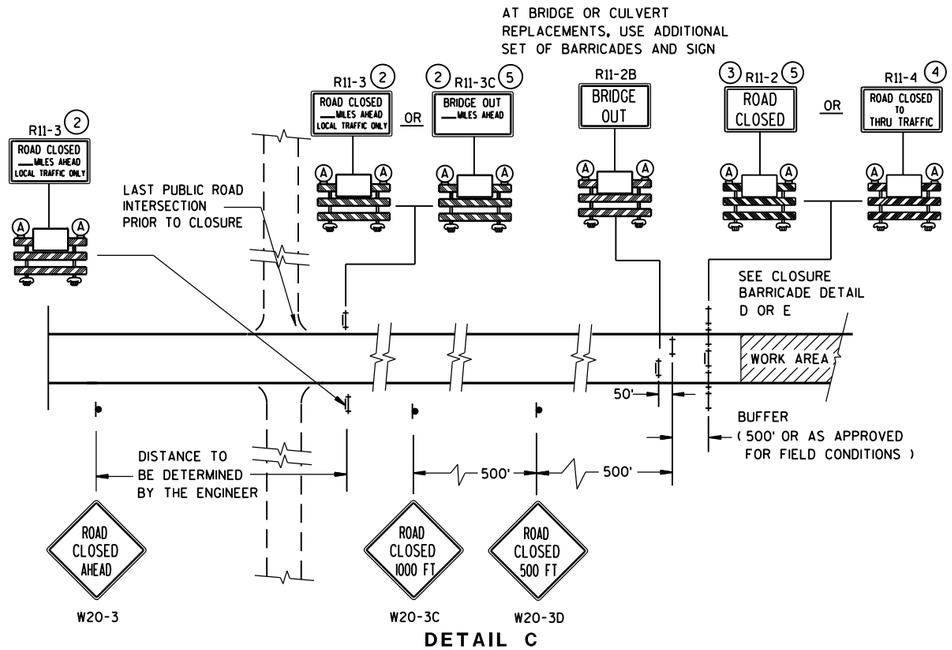
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN 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

LEGEND

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

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

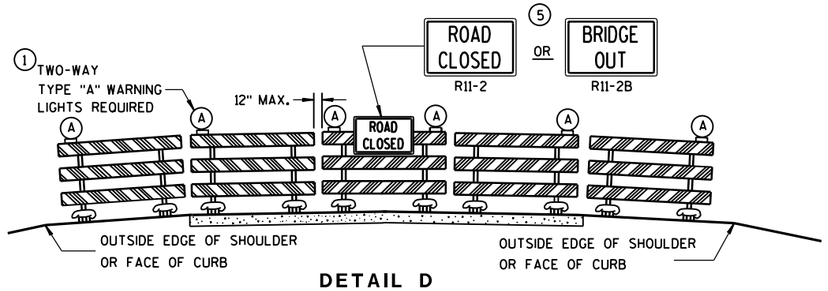
BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

S.D.D. 15 C 2-6a

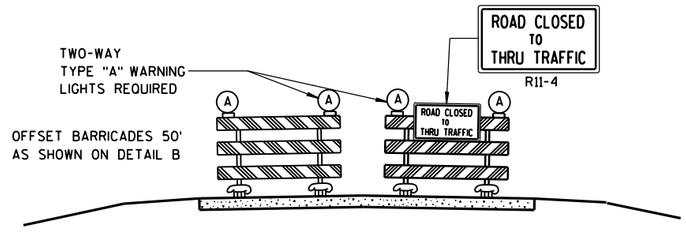
6



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 BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE 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, 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". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- 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 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 LANE 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 MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

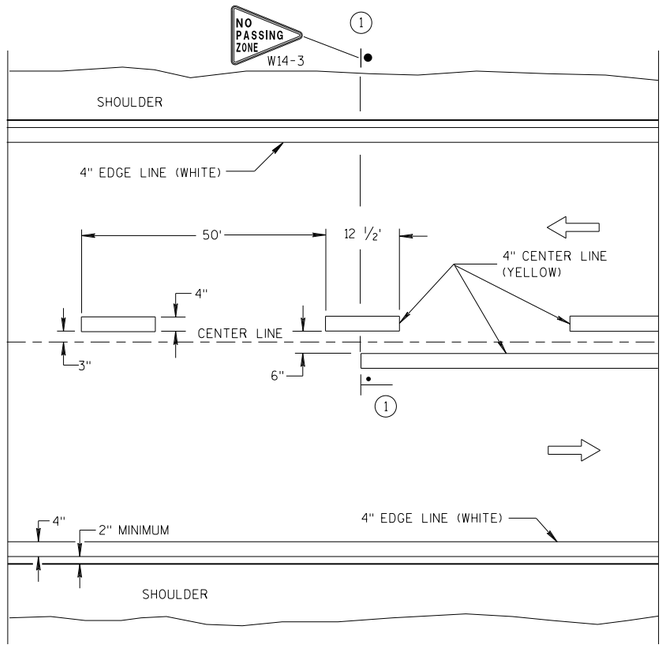
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe — STATEWIDE WORK ZO SAFETY ENGI
FHWA

6

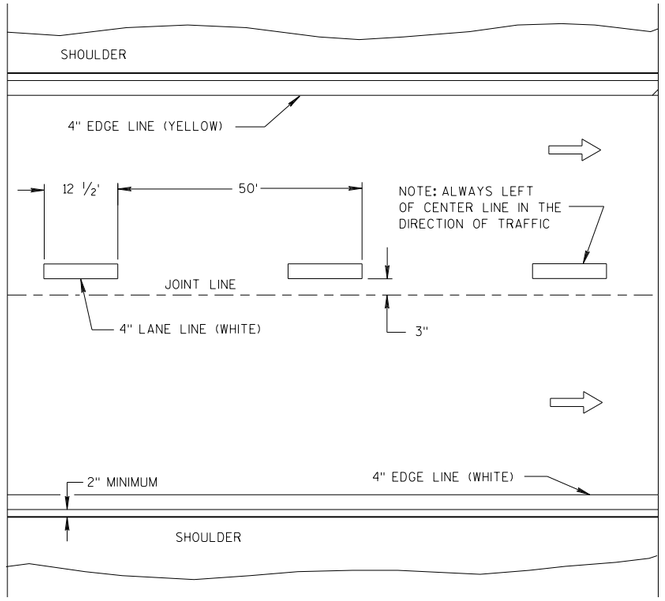
S.D.D. 15 C 2-6b

6

S.D.D. 15 C 2-6b



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

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.

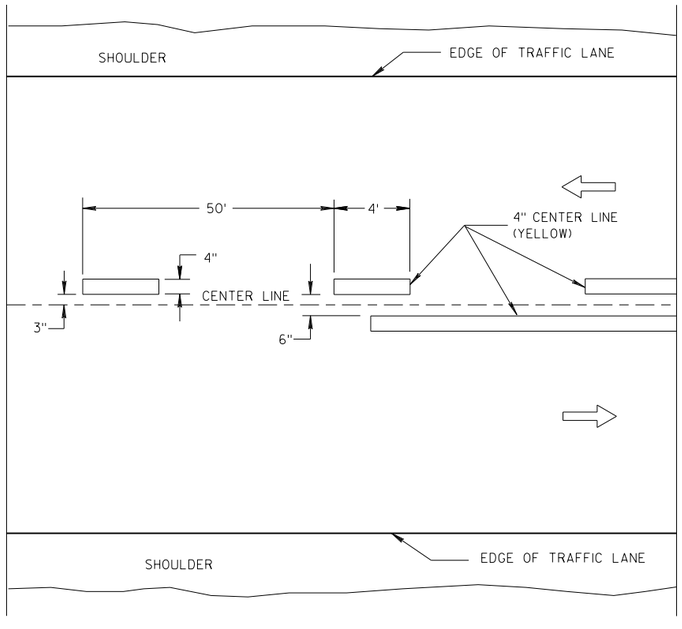
NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

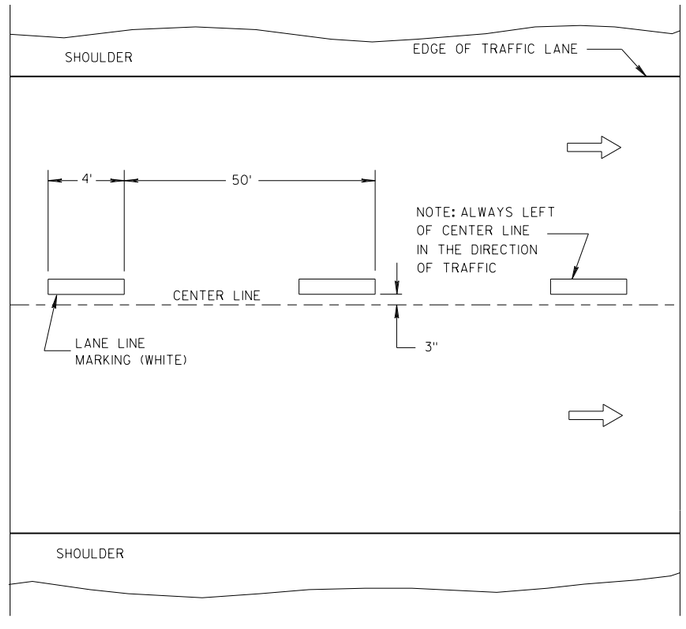
LEGEND

"T" MARKING

POST MOUNTED SIGN



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018 DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MARKING ENGINEER

FHWA

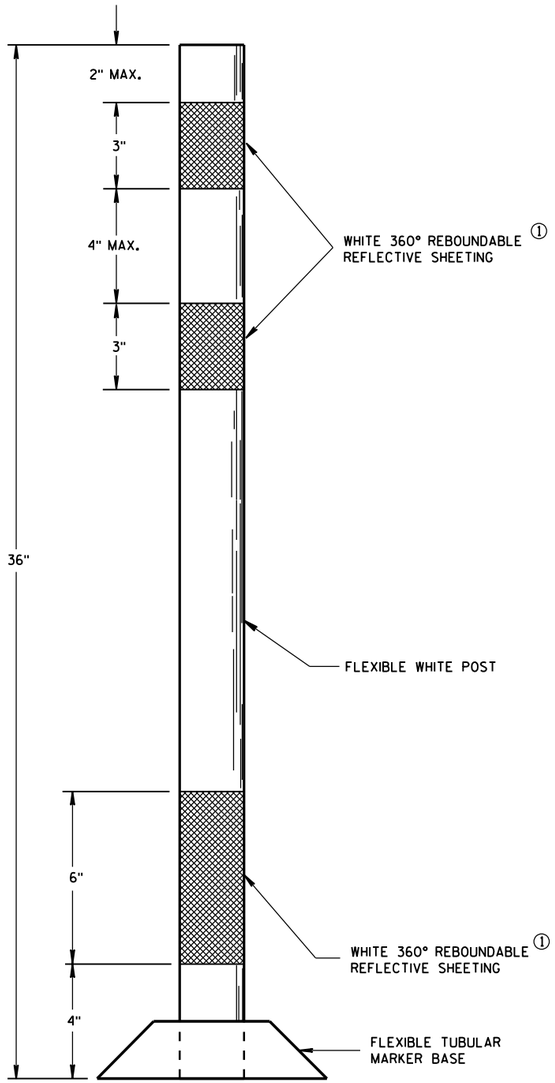
615

6

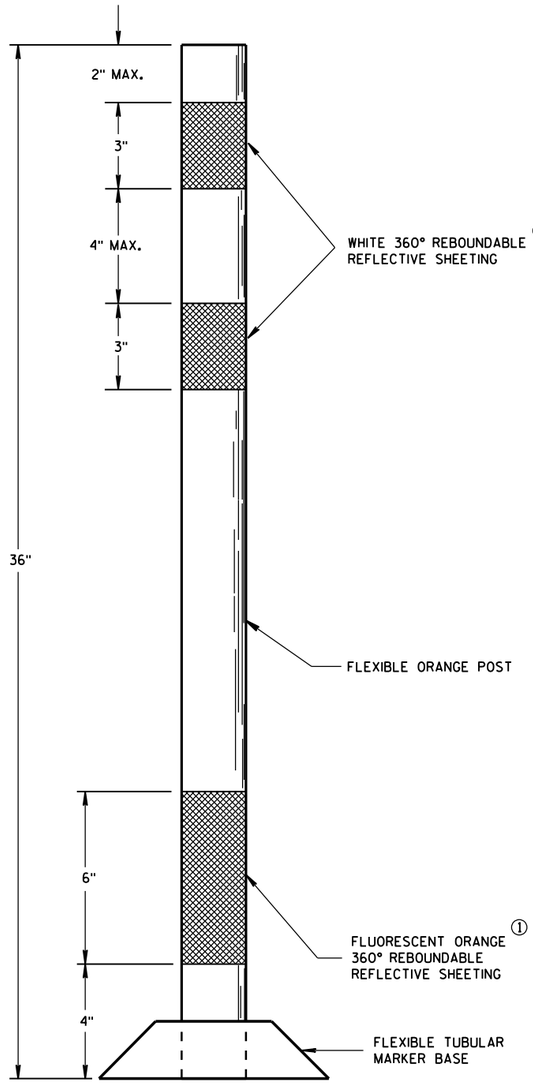
S.D.D. 15 C 8-19a

6

S.D.D. 15 C 8-19a



FLEXIBLE
TUBULAR MARKER POST
PERMANENT CROSSOVER



FLEXIBLE
TUBULAR MARKER POST
WORK ZONE

GENERAL NOTES

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

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

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

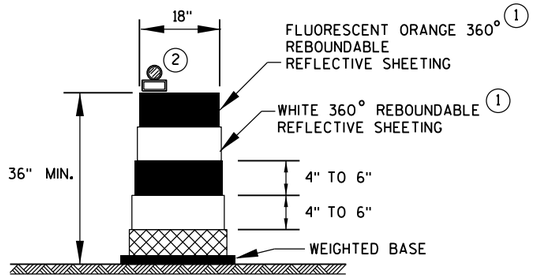
CHANNELIZING DEVICES
FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

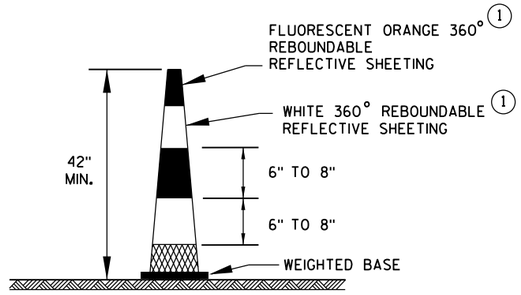
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S.D.D. 15 C 11-7a



DRUM

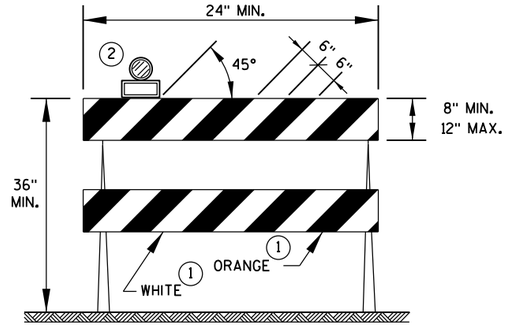


42" CONE

DO NOT USE IN TAPERS
1/2 SPACING OF DRUMS

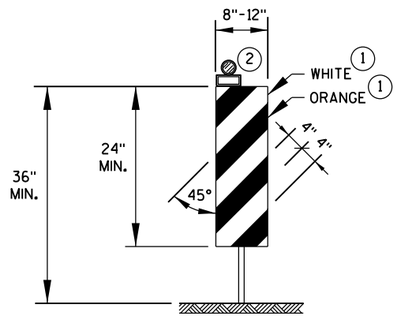
GENERAL NOTES

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.



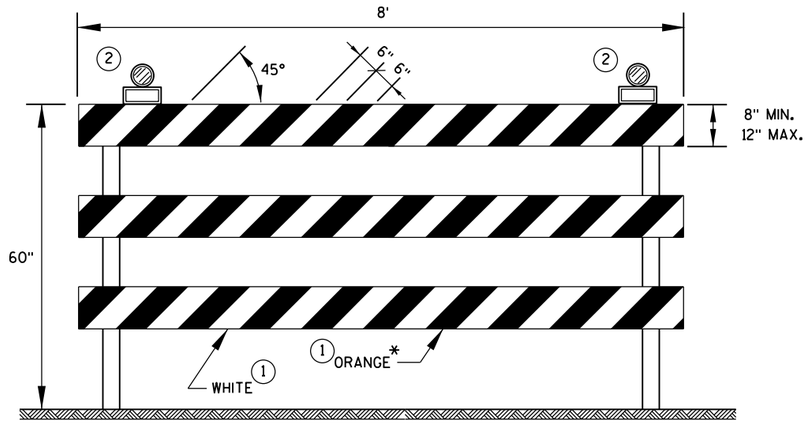
TYPE 2 BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



VERTICAL PANEL

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



TYPE 3 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

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LEGEND

- SIGN ON PORTABLE OR PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

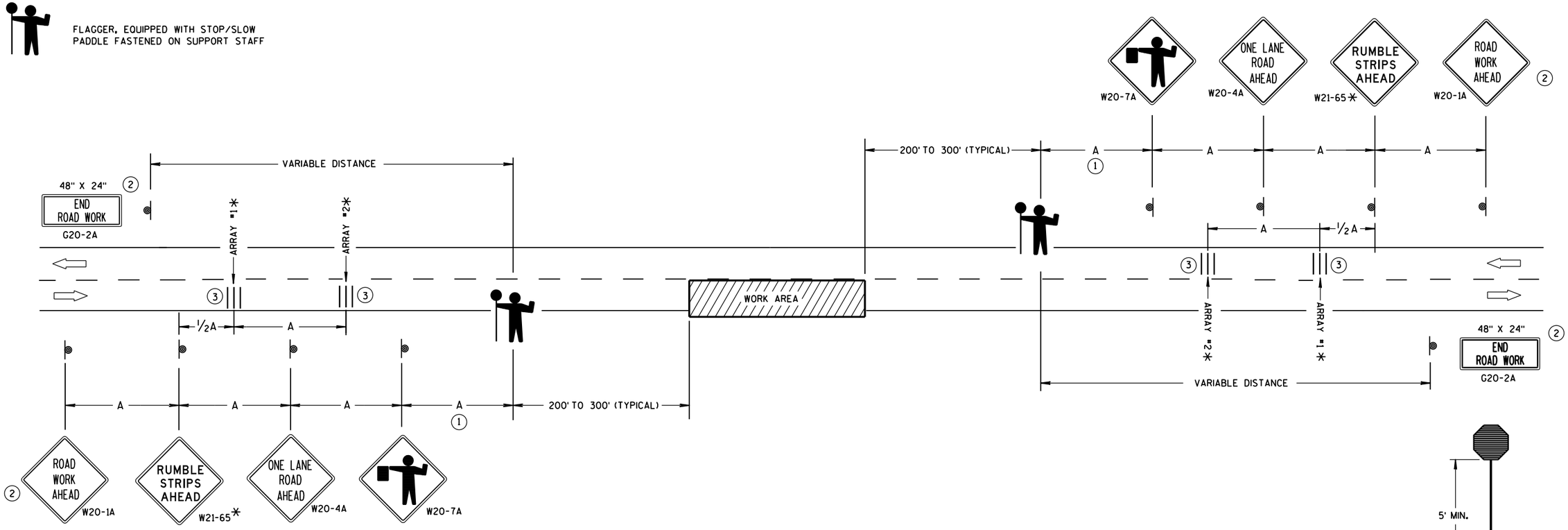
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING A
25-35 MPH	200'
35-40 MPH	350'
45-55 MPH	500'

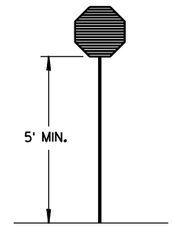


W03-4

USE OF THE "BE PREPARED TO STOP" 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



STOP/SLOW PADDLE 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.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES (AND THE 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.

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

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.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

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

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 RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

* UTILIZE TEMPORARY RUMBLE STRIPS WHEN FLAGGING OPERATION IS ANTICIPATED TO BE STATIONARY IN EXCESS OF TWO HOURS.

(1) FOR A MOVING WORK OPERATION, SIGNING AND TEMPORARY RUMBLE STRIPS (IF USED) SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3,500 FOOT 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.

(3) EACH TEMPORARY RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

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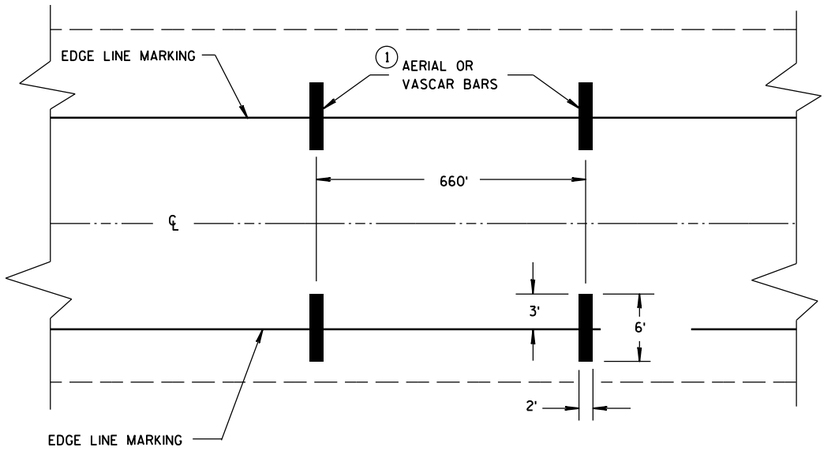
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S.D.D. 15 C 12-6

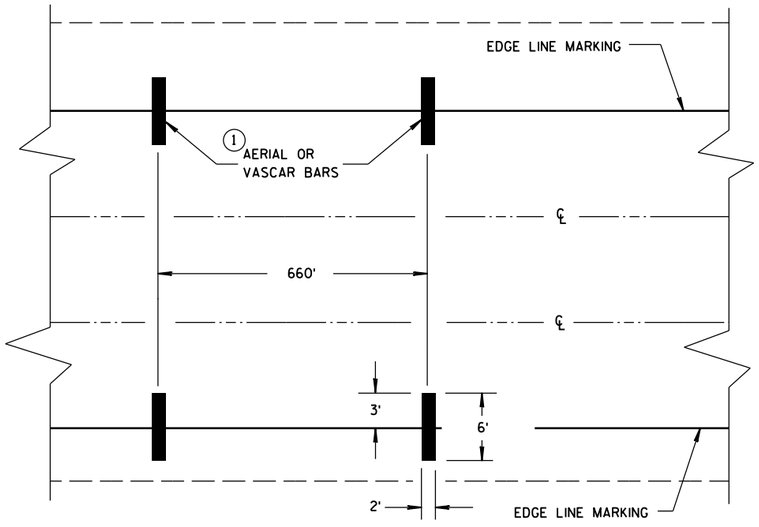
GENERAL NOTES

(1) PLACE TWO TO FIVE AERIAL OR VASCAR BARS AT 660 FOOT SPACING.

A CAR CAN BE PROVIDED BY THE WISCONSIN STATE PATROL FOR TRAFFIC CONTROL.



TYPICAL FOR TWO WAY OR ONE WAY TRAFFIC



TYPICAL FOR MULTILANE TRAFFIC

SPEED ENFORCEMENT ZONE WITH AERIAL OR VASCAR BARS

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S.D.D. 15 C 14-3

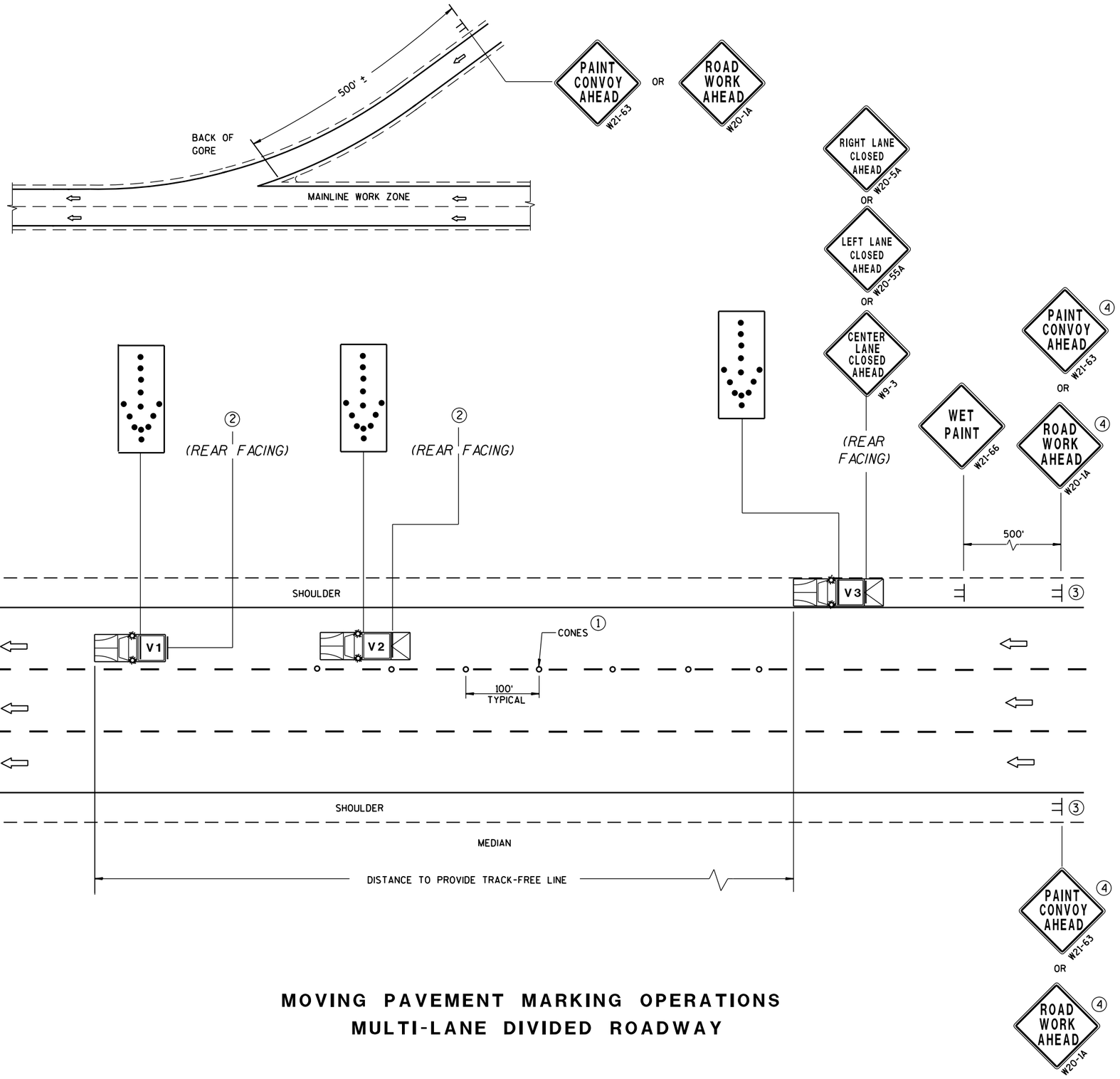
AERIAL ENFORCEMENT BARS
PAVEMENT MARKING DETAILS

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MOVING PAVEMENT MARKING OPERATIONS
MULTI-LANE DIVIDED ROADWAY

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.

IF SPEED LIMIT IS 40 MPH OR LESS STATIONARY SIGNS MAY BE OMITTED IF CONES ARE USED.

ALTERNATE SIGN MESSAGES, SUCH AS "PAINT CREW AHEAD" OR "ROAD PAINTING AHEAD" MAY BE USED.

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 OR 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.

FOR EDGELINE MARKING OR IF CONES ARE NOT USED, POSITION THE REARMOST SHADOW VEHICLE ON THE SHOULDER AS SHOWN IN THE MUTCD IF THE SHOULDER HAS ADEQUATE WIDTH. USE DOUBLE ARROWS WHEN CONVOY IS IN CENTER LANE ONLY.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR TURN THE STATIONARY WARNING SIGNS AWAY FROM TRAFFIC.

THIS DRAWING SHALL BE USED FOR EDGELINE OR LANELINE MARKING FOR MULTILANE DIVIDED ROADWAYS.

① CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

② USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.

WET PAINT W21-64 OR WET PAINT W21-64

③ SIGNS SHALL BE REPEATED AFTER EVERY ON RAMP OR EVERY THREE MILES.

④ IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.

LEGEND

V1	LEAD VEHICLE
V2	SHADOW VEHICLE
V3	TRAIL VEHICLE WITH TMA
TMA	TRUCK-MOUNTED ATTENUATOR
	SIGN ON TEMPORARY SUPPORT
	DIRECTION OF TRAFFIC
	CONES
	FLASHING ARROW PANEL (MERGE)

MOVING PAVEMENT MARKING OPERATION
MULTI-LANE DIVIDED ROADWAY

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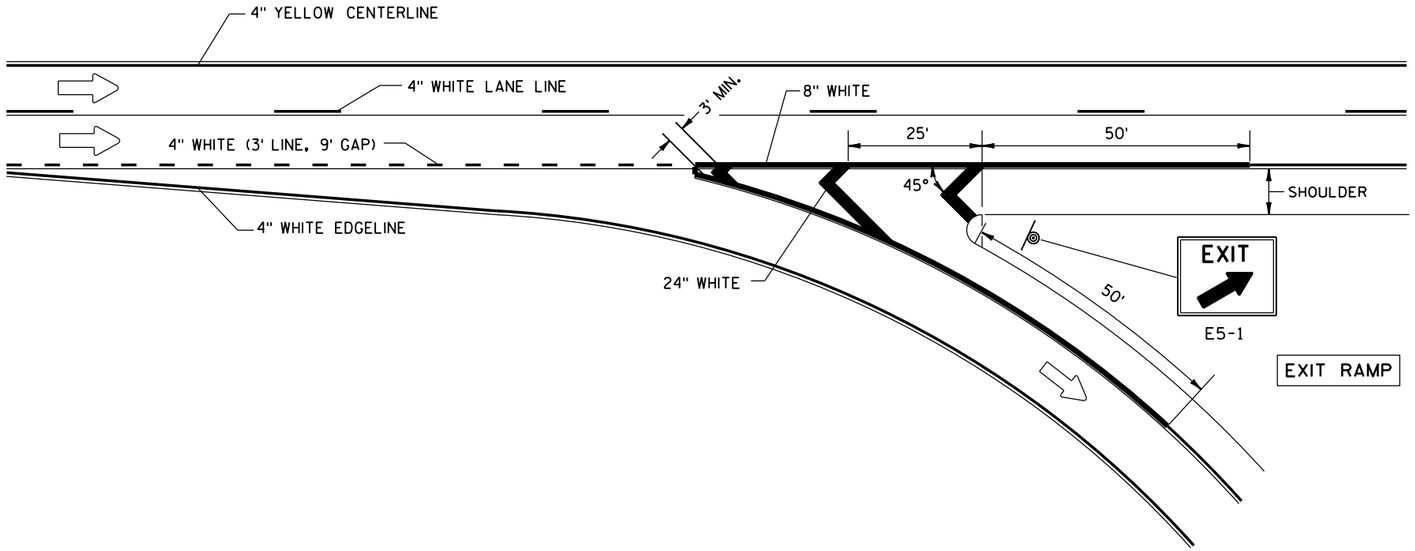
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S.D.D. 15 C 19-5c



PAVEMENT MARKING FOR EXIT RAMP

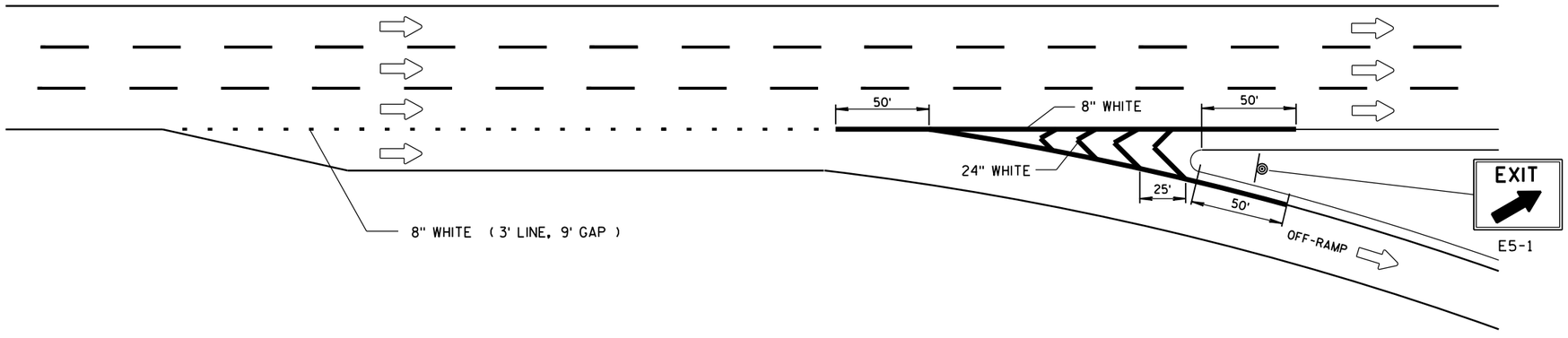
GENERAL NOTES

PLACE GROOVE 3 INCHES LEFT OF JOINT.

LEGEND

DIRECTION OF TRAVEL

SIGN ON PERMANENT SUPPORT



SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL EXIT-RAMP

6

S.D.D. 15 C 31-3a

PAVEMENT MARKING (RAMPS AND GORES)

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DEPARTMENT OF TRANSPOI

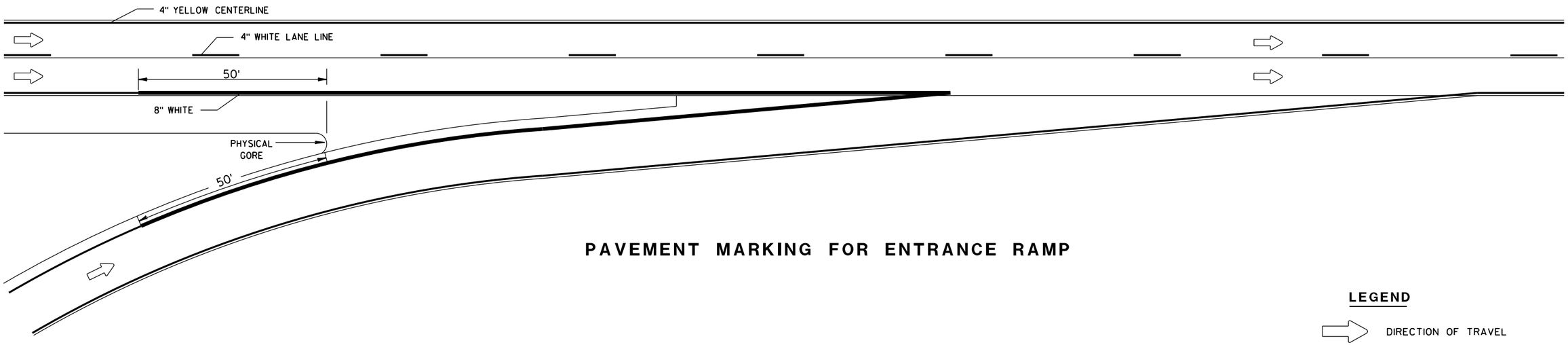
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S.D.D. 15 C 31-3a

GENERAL NOTES

PLACE GROOVE 3 INCHES LEFT OF JOINT.

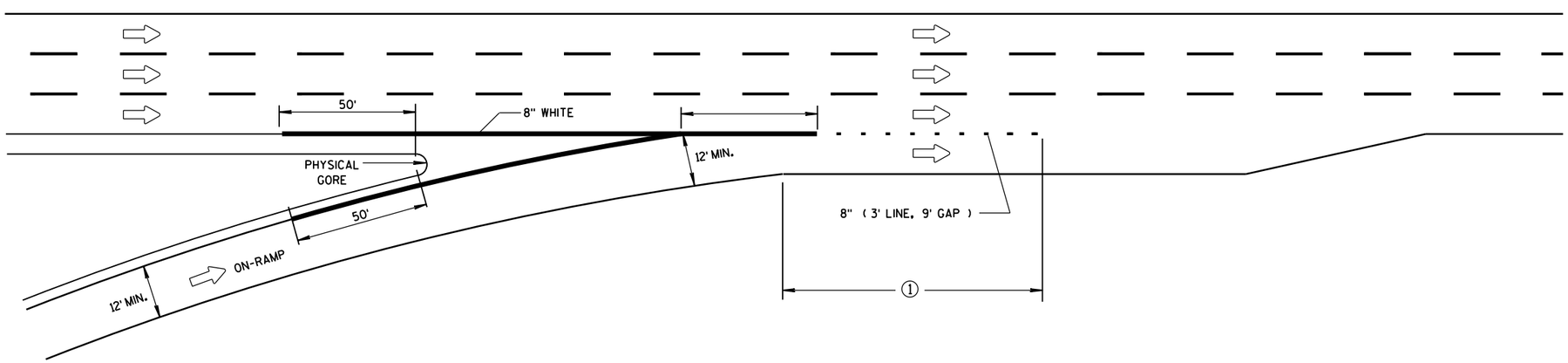
① ½ LENGTH OF FULL WIDTH ACCELERATION LANE.



PAVEMENT MARKING FOR ENTRANCE RAMP

LEGEND

DIRECTION OF TRAVEL



SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL ENTRANCE-RAMP

PAVEMENT MARKING FOR PARALLEL ON-RAMP AND PARALLEL OFF-RAMP

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STATE SIGNING AND MARKING ENGINEER

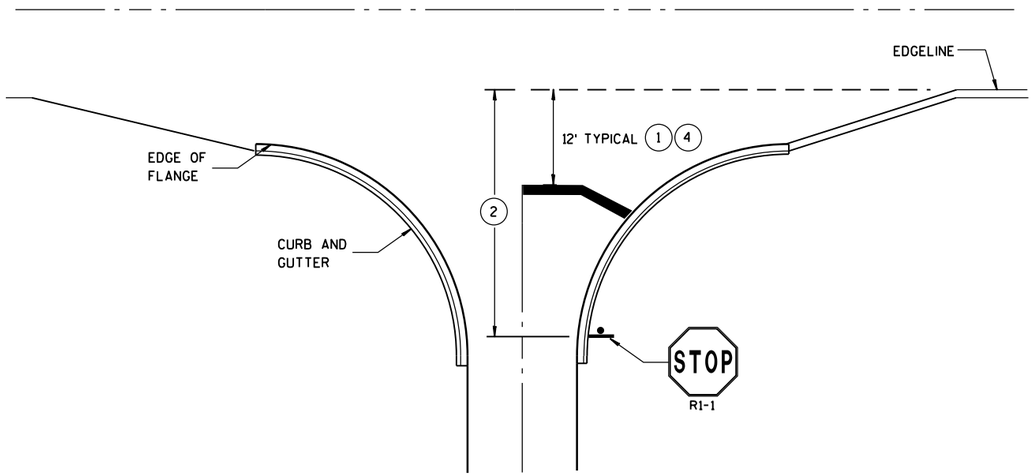
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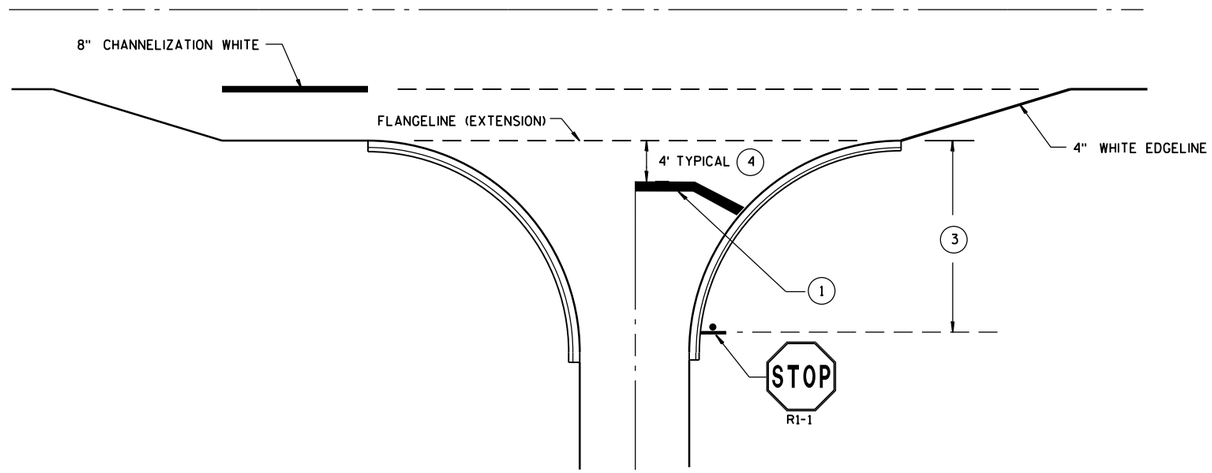
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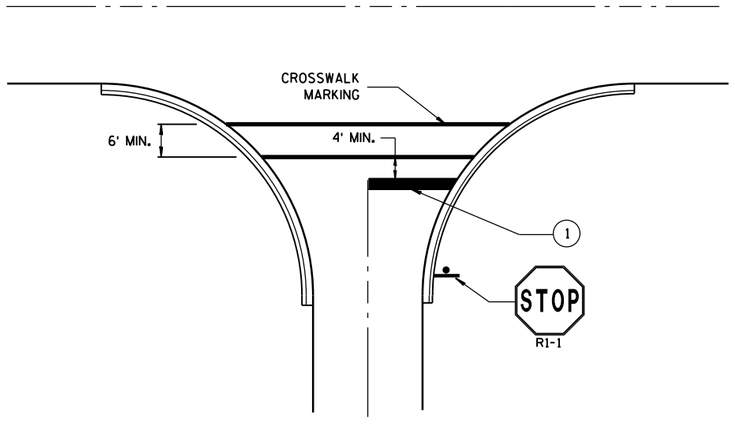
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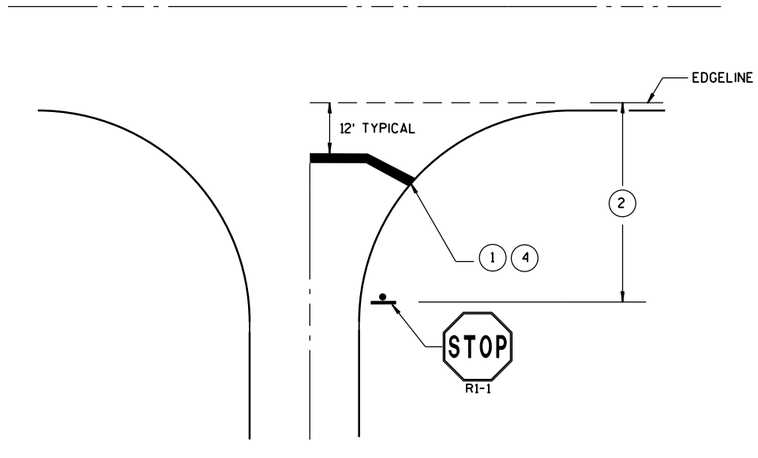
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

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

(1) 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.

(2) IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.

(3) IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.

(4) MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES. (NO CLOSER THAN 4 FEET).

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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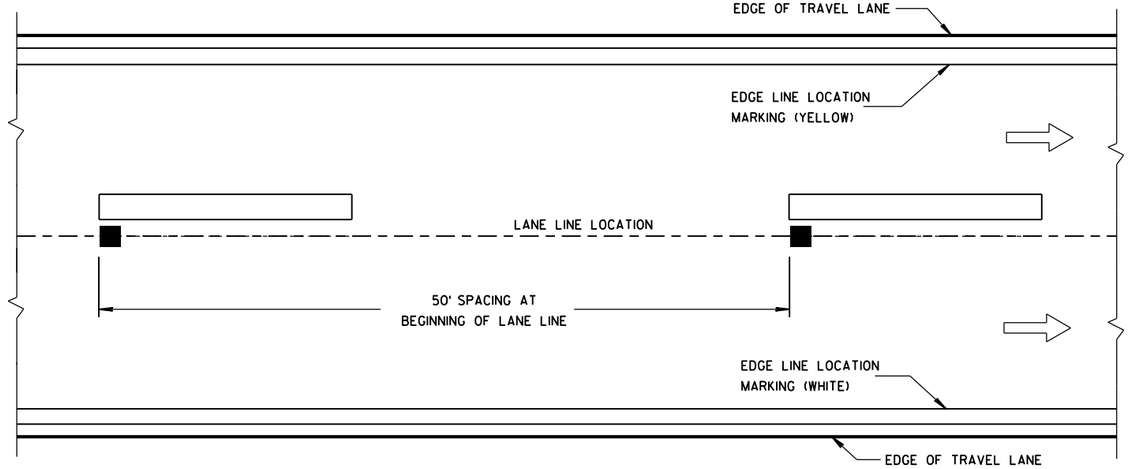
/S/ Matthew R. Rauch — STATE SIGNING AND MAR[illegible]

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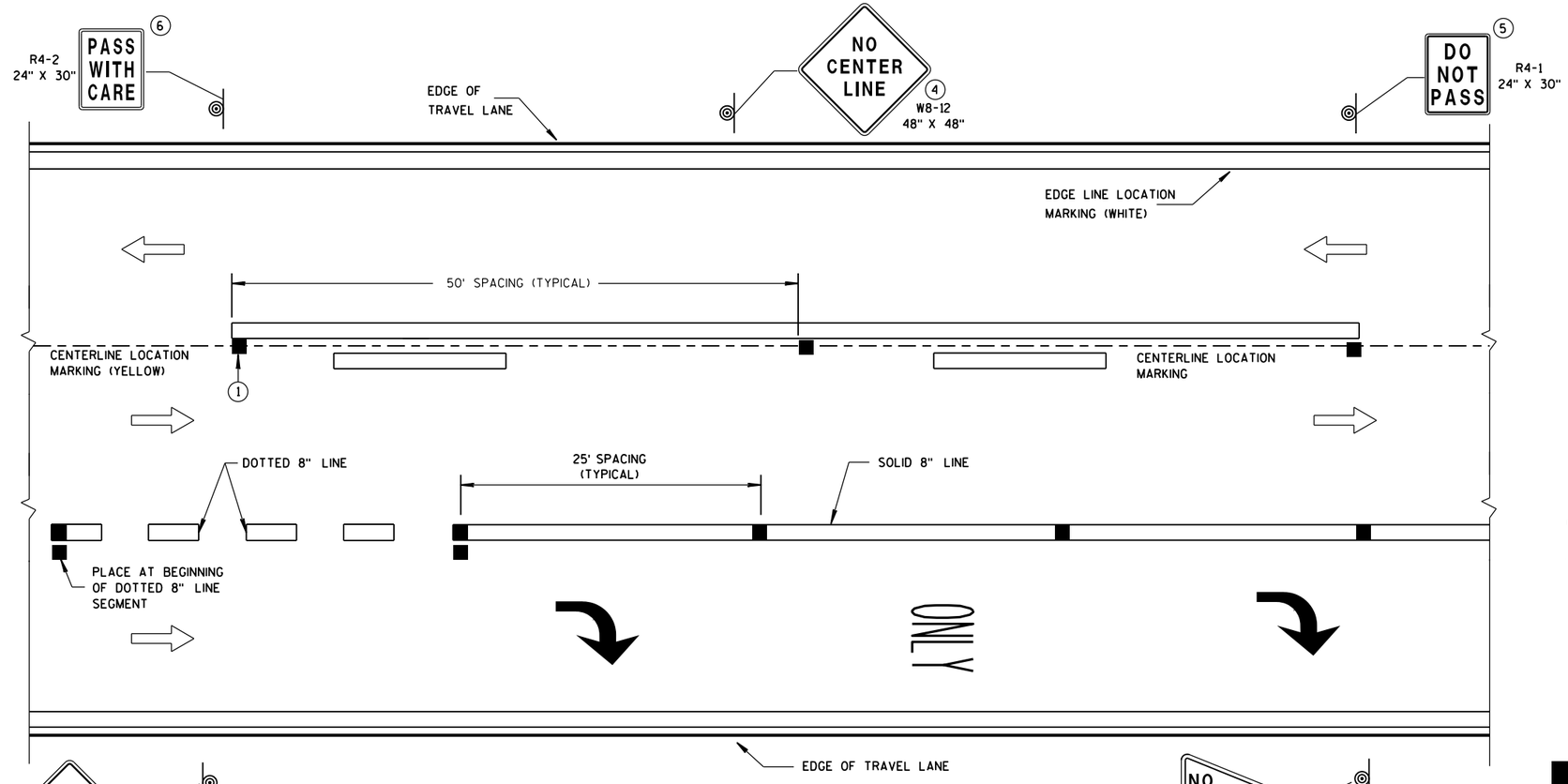
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S.D.D. 15 C 33-3



LONGITUDINAL PLACEMENT 4-INCH LANE LINE



LONGITUDINAL PLACEMENT 4-INCH CENTERLINE AND 8-INCH CHANNEL LINE

GENERAL NOTES

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

COLOR OF TEMPORARY RAISED PAVEMENT MARKERS, TYPE II SHALL MATCH THE COLOR OF THE MARKING THEY SUPPLEMENT.

PLACEMENT OF TEMPORARY RAISED PAVEMENT MARKERS ON EDGE LINES ARE OPTIONAL. IF PLACED ON EDGE LINES, MAXIMUM SPACING SHALL BE 50 FEET.

PROVIDE SINGLE OR MULTI-COVER TEMPORARY RAISED PAVEMENT MARKERS AS SHOWN ON PLAN.

MARK T's ON PAVEMENT FOR RE-ESTABLISHING NO PASSING ZONES.

SAME DAY TEMPORARY PAVEMENT MARKING MAY BE USED IN LIEU OF TEMPORARY RAISED PAVEMENT MARKERS, TYPE II.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF TEMPORARY SAME DAY PAVEMENT MARKING IS USED, ENSURE PROPOSED PAVEMENT MARKINGS ARE PLACED IN THE EXACT LOCATIONS AS THE EXISTING MARKINGS, USING A MINIMAL AMOUNT OF TEMPORARY RAISED PAVEMENT MARKERS, TYPE II OR OTHER METHODS AS APPROVED BY THE ENGINEER.

IF ROADWAY IS DETOURED DURING CONSTRUCTION, THE DO NOT PASS, PASS WITH CARE AND NO CENTERLINE SIGNS MAY BE OMITTED, PROVIDED A LIQUID MARKING IS INSTALLED BEFORE THE ROADWAY IS REOPENED TO TRAFFIC.

(1) FOR DOUBLE SOLID YELLOW, PLACE THE MARKERS BETWEEN THE LINES.

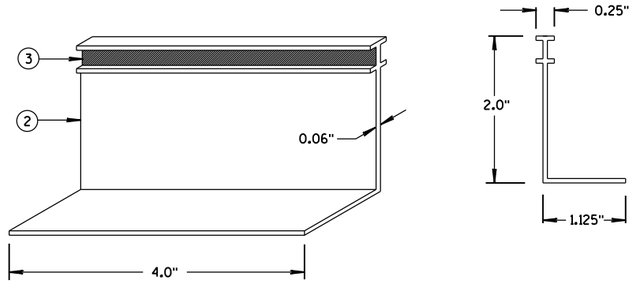
(2) MARKERS SHALL BE OF POLYURETHANE MATERIAL.

(3) MARKERS SHALL HAVE A MINIMUM SIZE REFLECTIVE SURFACE OF 4 INCH WIDTH X 0.25 INCH HEIGHT.

(4) NO CENTER LINE SIGNS SHALL BE PLACED AT THE BEGINNING OF PROJECT, AT TWO-MILE INTERVALS AND AFTER STATE AND COUNTY HIGHWAY INTERSECTIONS.

(5) DO NOT PASS SIGNS SHALL BE INSTALLED AT THE BEGINNING OF NO PASSING ZONES. ADDITIONAL DO NOT PASS SIGNS SHALL BE INSTALLED AT ONE MILE INTERVALS AND AFTER STATE AND COUNTY HIGHWAY INTERSECTIONS WITHIN THE NO PASSING ZONE.

(6) PASS WITH CARE SIGNS SHALL BE PLACED AT THE DOWNSTREAM END OF NO PASSING ZONES.



ISOMETRIC VIEW

SIDE VIEW

TEMPORARY RAISED PAVEMENT MARKER, TYPE II

LEGEND

- TEMPORARY RAISED PAVEMENT MARKER, TYPE II
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- DIRECTION OF TRAVEL

STANDARD APPLICATION FOR TEMPORARY RAISED PAVEMENT MARKERS, TYPE II

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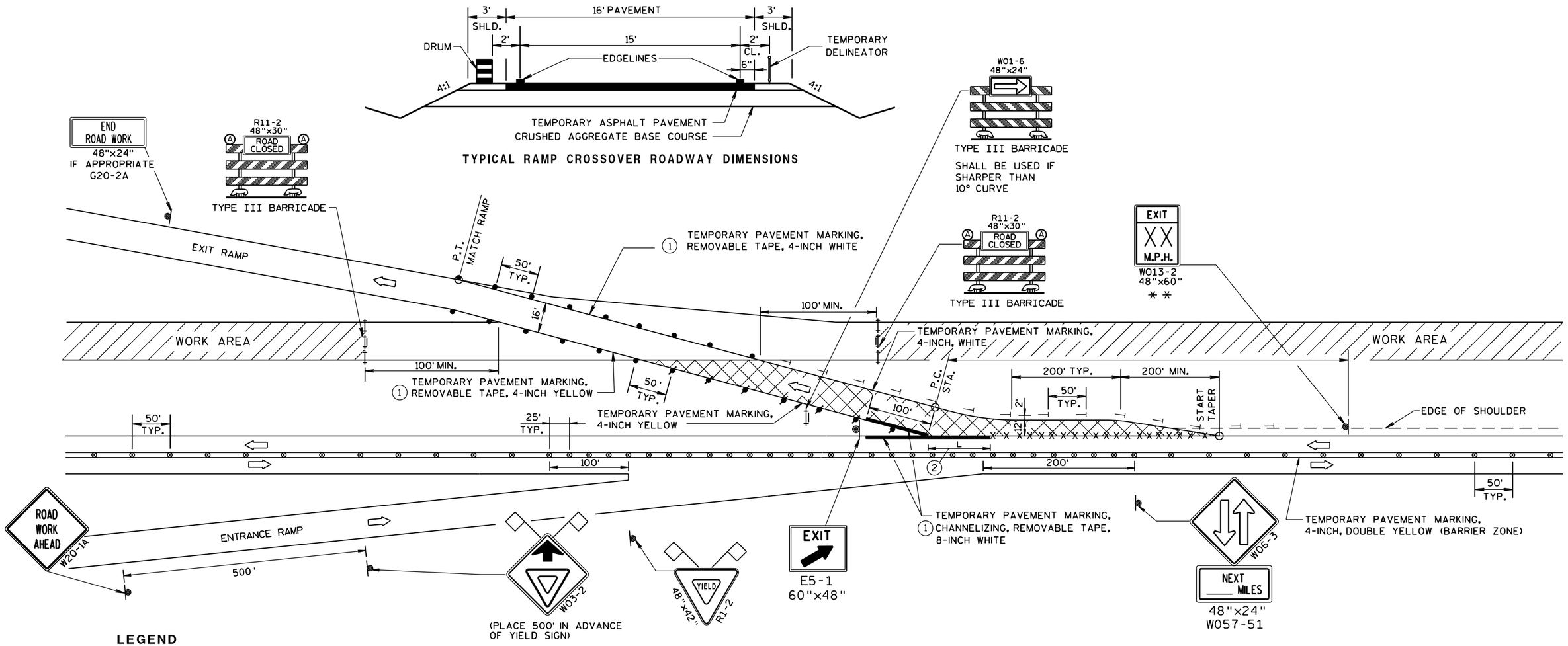
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/S/ Matthew R. Rauch
STATE SIGNING AND MAR[illegible] ENGINEER
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S.D.D. 15 C 34-3



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- TEMPORARY DELINEATOR - WHITE (STEEL POST W/SINGLE DELINEATOR)
- TYPE "A" WARNING LIGHT (FLASHING)
- TEMPORARY CROSSOVER ASPHALTIC PAVEMENT
- REMOVING PAVEMENT MARKINGS
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- FLAGS, 16" X 16" MIN., (ORANGE)
- DIRECTION OF TRAFFIC
- WORK AREA

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.

1. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE SHALL BE USED WHEN CROSSING PERMANENT ROADWAY SURFACES THAT WILL REMAIN AFTER USE OF CROSSOVER. OTHERWISE TEMPORARY PAVEMENT MARKING MAY BE USED.

TRAFFIC CONTROL FOR RAMP CROSSOVERS ARE TYPICAL FOR ALL CONSTRUCTION PHASES.

2. LENGTH L SHALL BE REQUIRED WHEN TANGENT LENGTH OF EXIT RAMP PARALLEL TO MAINLINE EXCEEDS 300 FEET. LENGTH SHALL BE EQUAL TO THE EXIT RAMP TANGENT LENGTH MINUS 300 FEET OR AS APPROVED BY THE ENGINEER AND SHALL CHANGE TO ACCOMODATE PAVING GAPS.

** ADJUST EXIT RAMP SPEED AS NEEDED IN THE FIELD. DISTANCE TO SIGN LOCATION SHALL ALSO BE PLACED ACCORDING TO TABLE.

WORK ALONG EDGES OF RAMP SHALL MAINTAIN A 10-FOOT AREA CLEAR OF PHYSICAL OBSTRUCTIONS SUCH AS DROP OFFS FROM PAVEMENT REMOVAL OR BROKEN CONCRETE CHUNKS DURING PAVEMENT REMOVAL. THESE AREAS SHALL BE LEVELED WITH TEMPORARY FILL TO PROTECT THE TRAVELING PUBLIC WHEN THE CONTRACTOR IS NOT WORKING ADJACENT TO THE CROSSOVER.

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 THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

** TABLE FOR ADVANCE WARNING SIGN PLACEMENT DISTANCE (FT)

POSTED SPEED LIMIT (MPH)	DESIRED EXIT RAMP SPEED (MPH)					
	10	20	30	40	50	60
45	350	300	250			
50	425	400	325	225		
55	500	475	400	300		
60	575	550	500	400	300	
65	650	625	575	500	375	100
70	650	625	575	500	375	375

TRAFFIC CONTROL, TEMPORARY EXIT RAMP CROSSOVER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 14, 2015 — DATE
/S/ Peter Amakobe Atepe — STATEWIDE WORK ZO SAFETY ENGI
FHWA

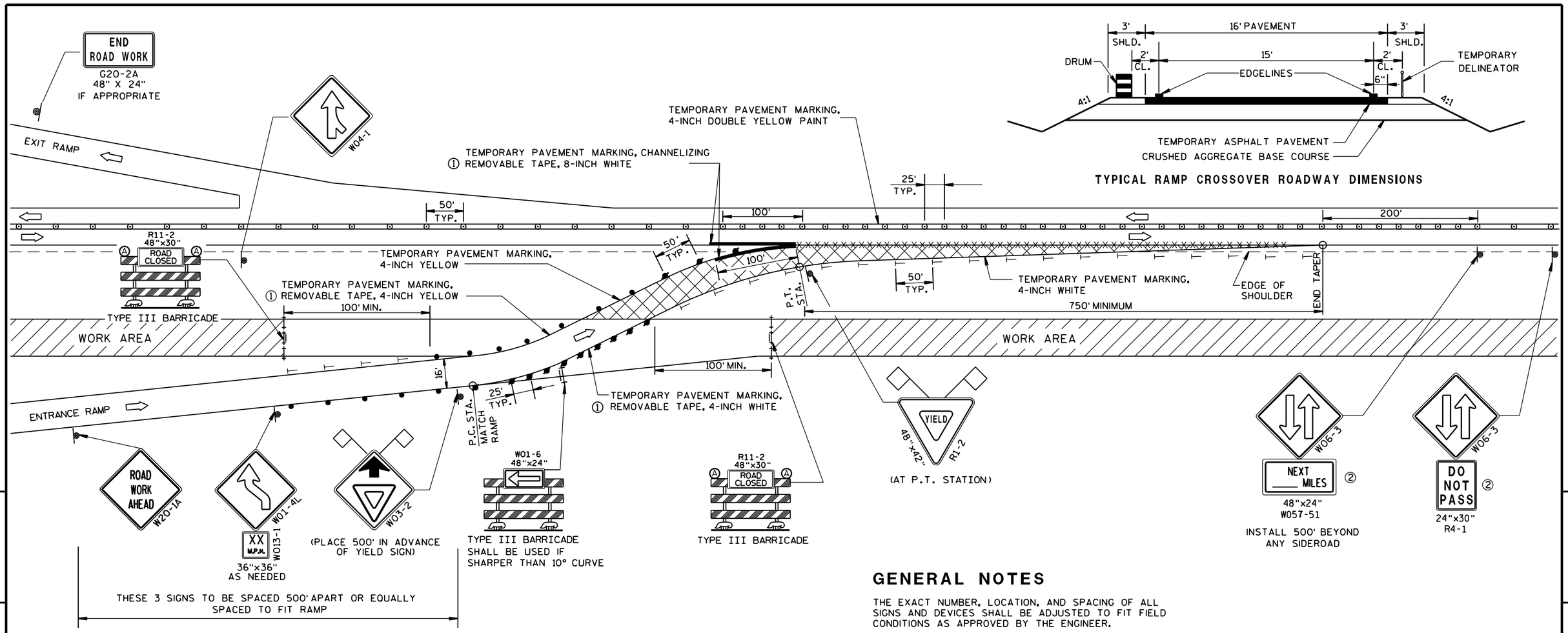
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S.D.D. 15 D 7-4

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S.D.D. 15 D 7-4



TYPICAL RAMP CROSSOVER ROADWAY DIMENSIONS

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- TEMPORARY DELINEATOR - WHITE (STEEL POST W/SINGLE DELINEATOR) COLOR OF DELINEATOR SHALL MATCH THE COLOR OF THE RESPECTIVE EDGELINE MARKING
- Ⓐ TYPE "A" WARNING LIGHT (FLASHING)
- TEMPORARY CROSSOVER ASPHALTIC PAVEMENT
- ~~~~ REMOVING PAVEMENT MARKINGS
- ⊙ DELINEATOR FLEXIBLE/TUBULAR MARKER
- FLAGS, 16" X 16" MIN., (ORANGE)
- DIRECTION OF TRAFFIC
- WORK AREA

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 PERMANENT SIGNS AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

① TEMPORARY PAVEMENT MARKING REMOVABLE TAPE SHALL BE USED WHEN CROSSING PERMANENT ROADWAY SURFACES THAT WILL REMAIN AFTER USE OF CROSSOVER.

② INSTALL THE W06-3 SIGN WITH THE R4-1 SIGN 1000 FEET BEYOND THE W06-3 SIGN WITH THE W057-51 SIGN AND ALTERNATE THE SEQUENCE OF THESE SIGNS EVERY 1 MILE.

TRAFFIC CONTROL FOR RAMP CROSSOVERS ARE TYPICAL FOR ALL CONSTRUCTION PHASES.

WORK ALONG EDGES OF RAMP SHALL MAINTAIN A 10-FOOT AREA CLEAR OF PHYSICAL OBSTRUCTIONS SUCH AS DROP OFFS FROM PAVEMENT REMOVAL OR BROKEN CONCRETE CHUNKS DURING PAVEMENT REMOVAL. THESE AREAS SHALL BE LEVELED WITH TEMPORARY FILL TO PROTECT THE TRAVELING PUBLIC WHEN THE CONTRACTOR IS NOT WORKING ADJACENT TO THE CROSSOVER.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

TRAFFIC CONTROL, TEMPORARY ENTRANCE RAMP CROSSOVER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2017
DATE
/S/ Andrew Heldtke
WORK ZONE ENG
FHWA

6

S.D.D. 15 D 8-6

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMENENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- WORK AREA

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.

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

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CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD 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.

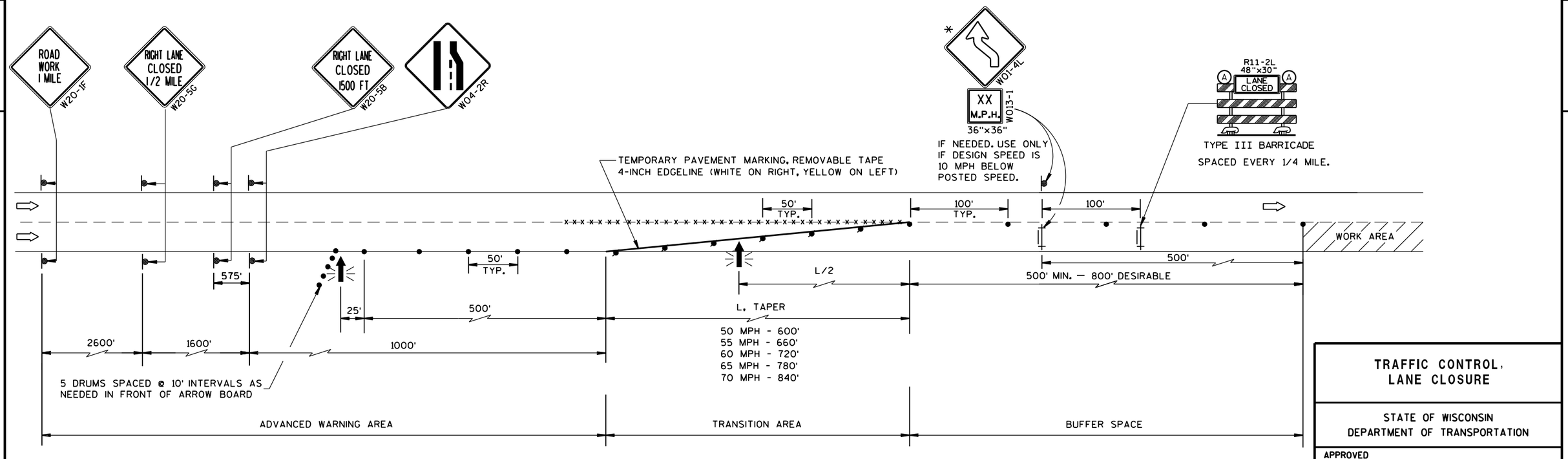
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

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

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST 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.

* THE LEFT REVERSE CURVE SIGN (WO1-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL.



TRAFFIC CONTROL, LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2016 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

6

S.D.D. 15 D 12-6a

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMENENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- WORK AREA

GENERAL NOTES

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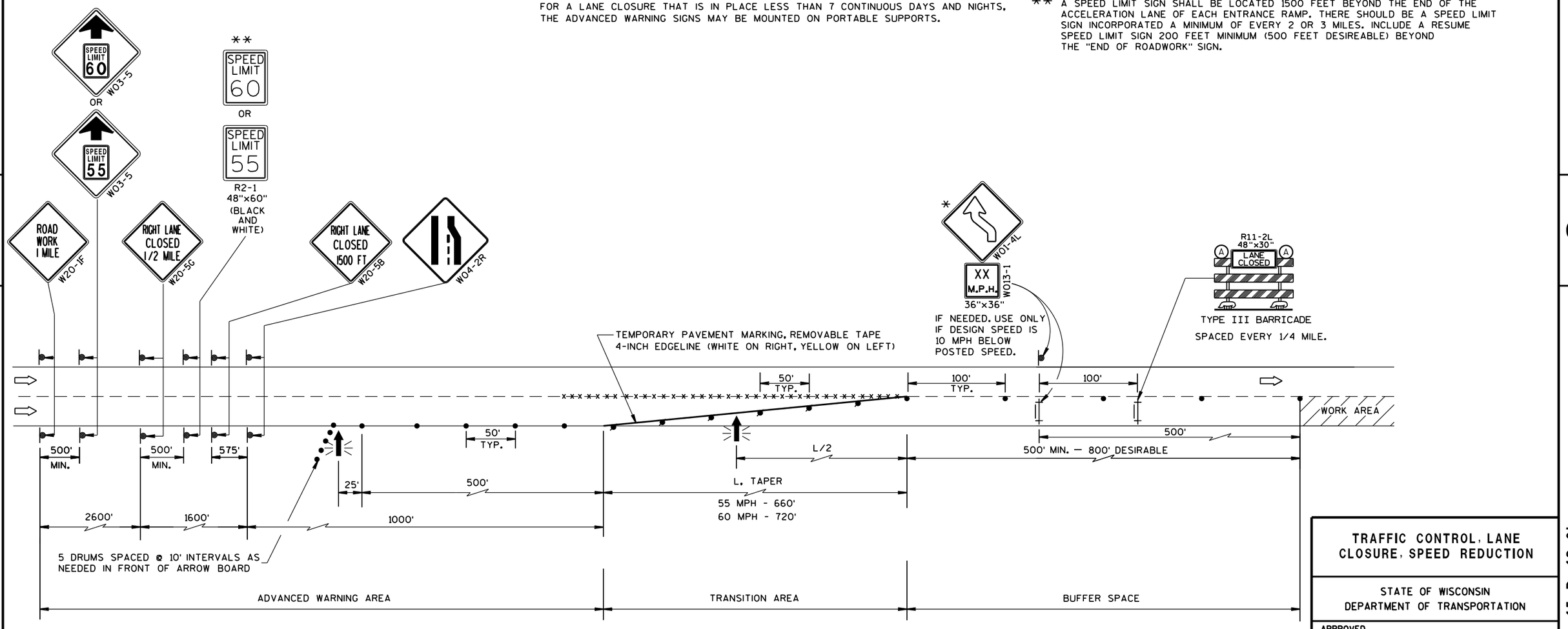
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* THE LEFT REVERSE CURVE SIGN (W01-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL.

** A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. THERE SHOULD BE A SPEED LIMIT SIGN INCORPORATED A MINIMUM OF EVERY 2 OR 3 MILES. INCLUDE A RESUME SPEED LIMIT SIGN 200 FEET MINIMUM (500 FEET DESIREABLE) BEYOND THE "END OF ROADWORK" SIGN.



TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

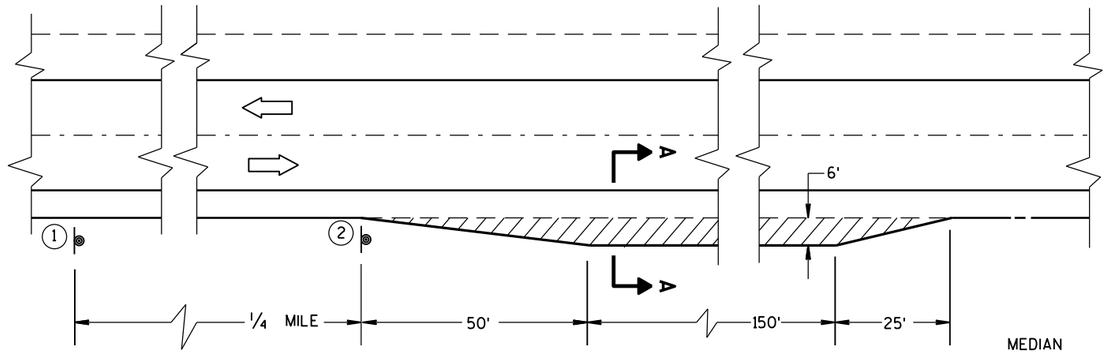
APPROVED
March 2016 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC ENGINEER
FHWA

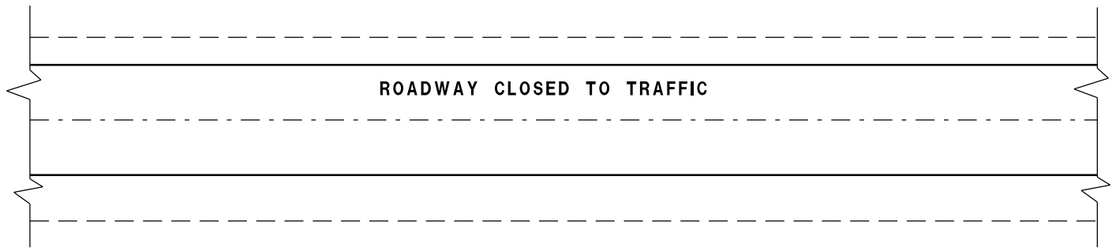
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S.D.D. 15 D 12-6b

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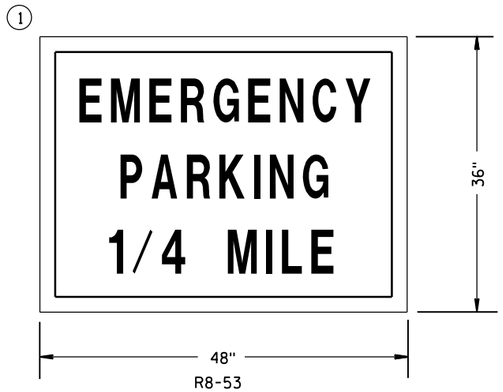
S.D.D. 15 D 12-6b





PLAN VIEW

TEMPORARY EMERGENCY PULLOUTS FOR DIVIDED HIGHWAYS



SIGNS TO BE BLACK LETTERS ON WHITE REFLECTIVE BACKGROUND

SIGNS FOR TEMPORARY EMERGENCY PULLOUTS

GENERAL NOTES

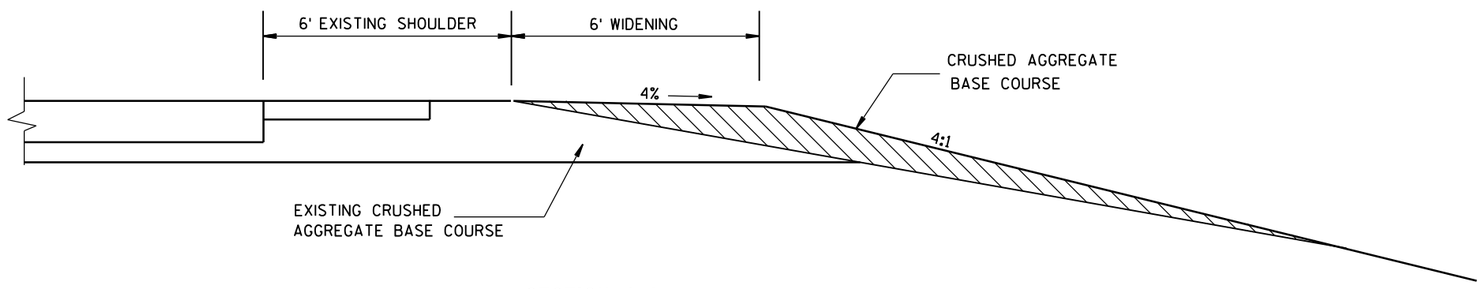
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, APPLICABLE SPECIAL PROVISIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

TEMPORARY EMERGENCY PULLOUTS AND SIGNS SHALL BE REMOVED AND THE ROADWAY RESTORED TO ITS ORIGINAL CROSS SECTION AND CONDITION PRIOR TO REOPENING THE ROADWAY TO ONE WAY TRAFFIC.

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



SECTION A-A

TEMPORARY EMERGENCY PULLOUTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/2013 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
SIGN
FHWA

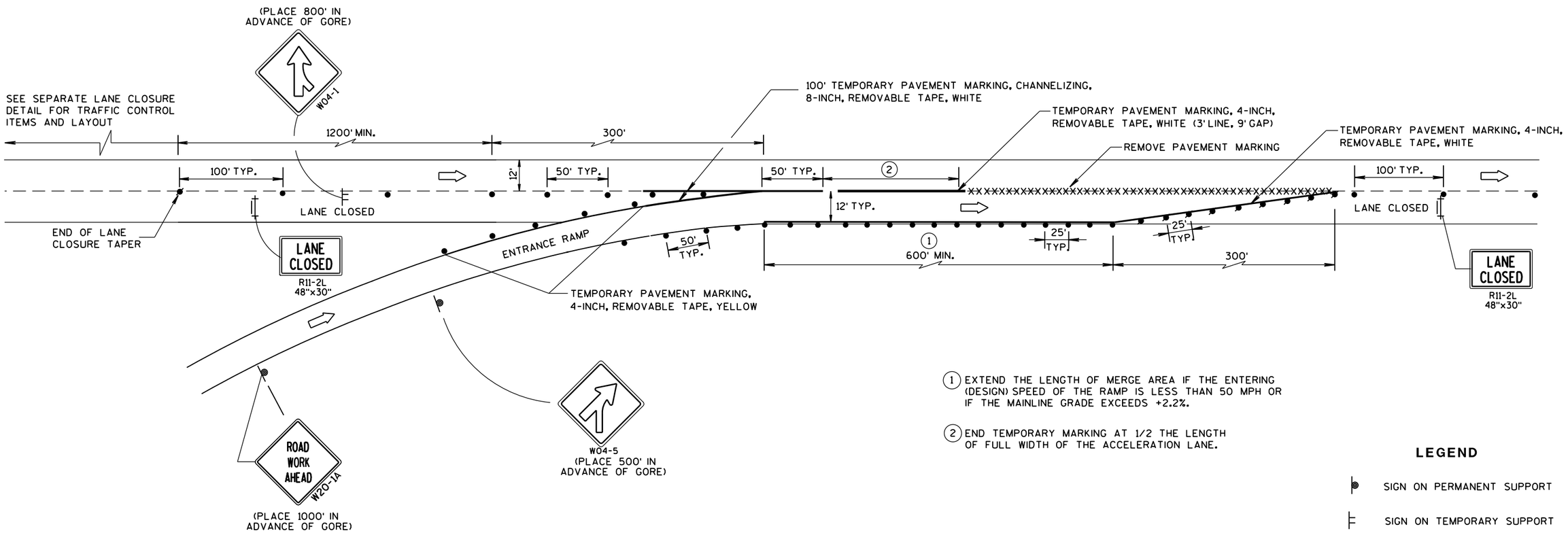
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S.D.D. 15 D 13-2

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S.D.D. 15 D 13-2

TRAFFIC CONTROL, ENTRANCE RAMP WITHIN RIGHT LANE CLOSURE



1. EXTEND THE LENGTH OF MERGE AREA IF THE ENTERING (DESIGN) SPEED OF THE RAMP IS LESS THAN 50 MPH OR IF THE MAINLINE GRADE EXCEEDS +2.2%.

2. END TEMPORARY MARKING AT 1/2 THE LENGTH OF FULL WIDTH OF THE ACCELERATION LANE.

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
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC

PARALLEL ENTRANCE RAMP

GENERAL NOTES

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SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS. USE SUPPORTS THAT PROVIDE A MINIMUM OF 5 FEET FROM THE BOTTOM OF THE SIGN TO THE PAVEMENT.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 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.

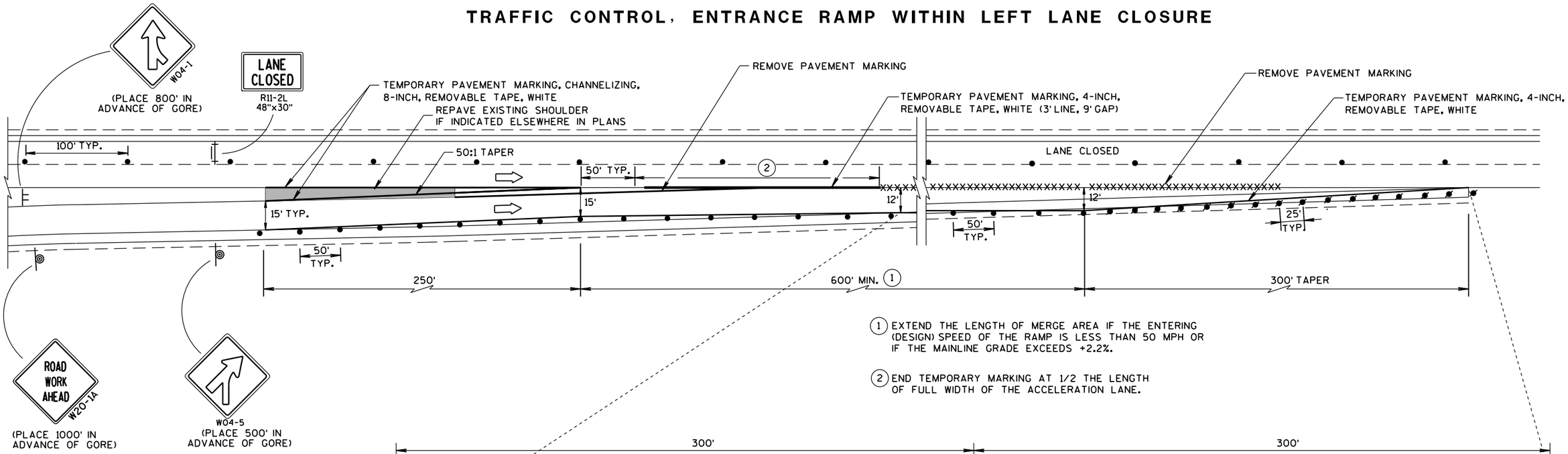
TRAFFIC CONTROL, PARALLEL ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2017
DATE
/S/ Andrew Heidtke
WORK ZONE ENG
FHWA

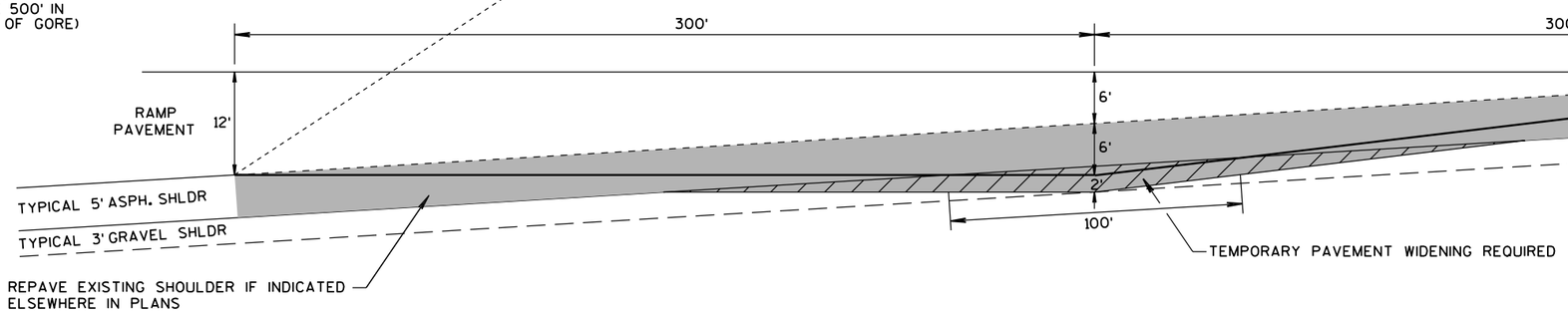
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TRAFFIC CONTROL, ENTRANCE RAMP WITHIN LEFT LANE CLOSURE



(1) EXTEND THE LENGTH OF MERGE AREA IF THE ENTERING (DESIGN) SPEED OF THE RAMP IS LESS THAN 50 MPH OR IF THE MAINLINE GRADE EXCEEDS +2.2%.

(2) END TEMPORARY MARKING AT 1/2 THE LENGTH OF FULL WIDTH OF THE ACCELERATION LANE.



TEMPORARY PAVEMENT DETAIL

(EXISTING RAMP DIMENSIONS MAY VARY. ADJUST TEMPORARY PAVEMENT ACCORDINGLY)

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.

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REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 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.

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
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

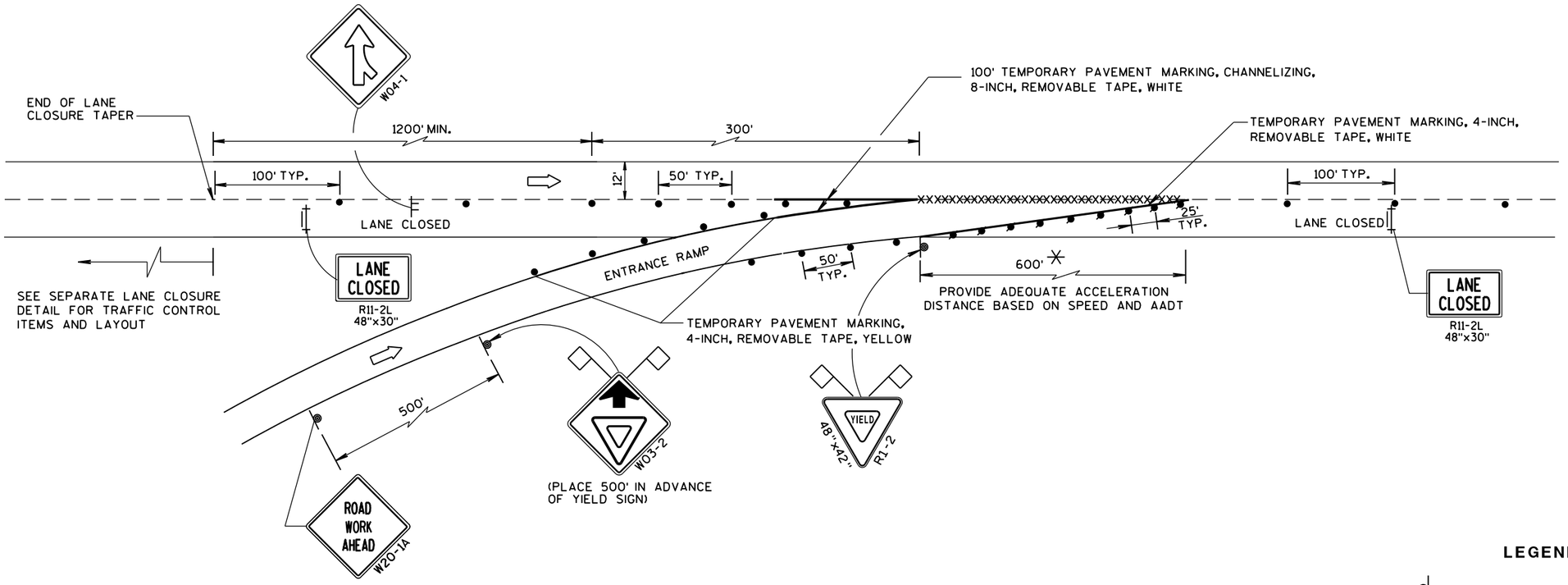
APPROVED
Sept., 2017 — DATE
/S/ Andrew Heldtke — WORK ZONE ENG
FHWA

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S.D.D. 15 D 15-4b

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S.D.D. 15 D 15-4b



TAPERED ENTRANCE RAMP WITHIN RIGHT LANE CLOSURE

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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 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

* CONSULT WITH REGIONAL WORK ZONE ENGINEER IF NEED TO REDUCE LENGTH EXISTS.

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- TYPE III BARRICADE WITH ATTACHED SIGN
- FLAGS, 16" x 16" MIN., (ORANGE)
- DIRECTION OF TRAFFIC

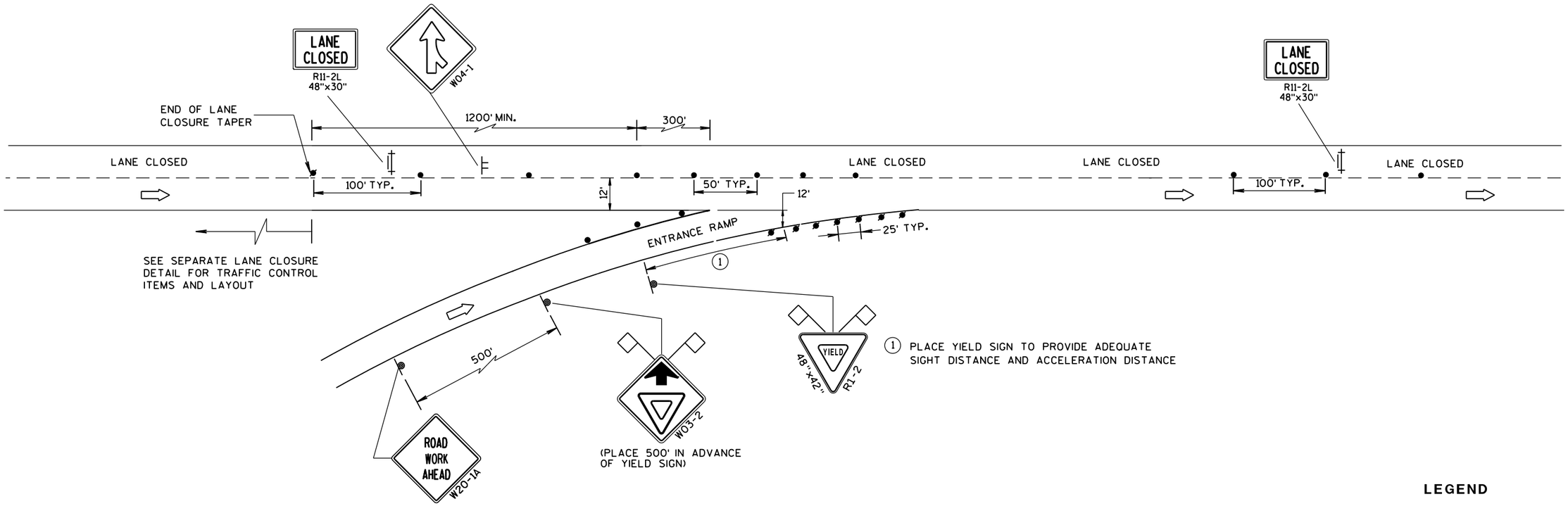
TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2017 — DATE
/S/ Andrew Heldtke — WORK ZONE EN
FHWA

6

S.D.D. 15 D 15-4c



TAPERED ENTRANCE RAMP WITHIN LEFT LANE CLOSURE

GENERAL NOTES

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SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE 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.

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- TYPE III BARRICADE WITH ATTACHED SIGN
- FLAGS, 16" x 16" MIN., (ORANGE)
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

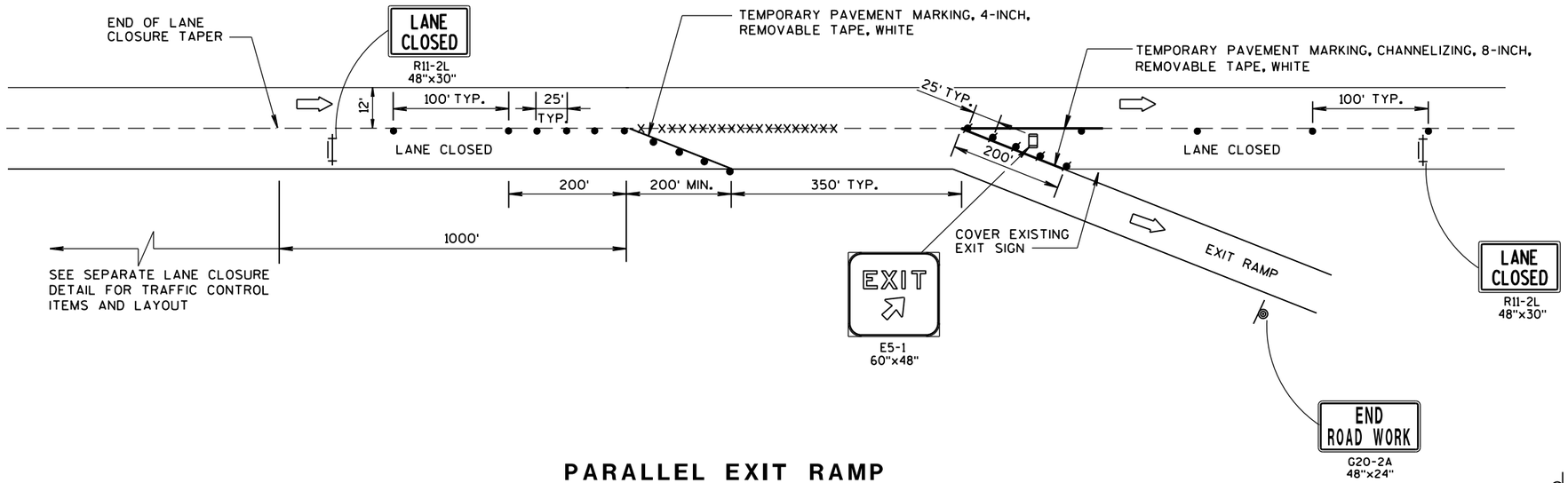
APPROVED
Sept., 2017 — DATE
/S/ Andrew Heidtke — WORK ZONE EN(
FHWA

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S.D.D. 15 D 15-4d

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S.D.D. 15 D 15-4d



PARALLEL EXIT RAMP

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"x48" 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 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE 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.

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- TYPE III BARRICADE WITH ATTACHED SIGN
- FLAGS, 16" x 16" MIN., (ORANGE)
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, PARALLEL EXIT RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2017 — DATE
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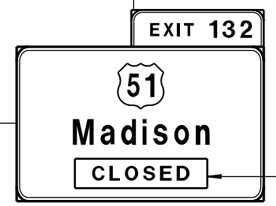
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S.D.D. 15 D 15-4e



G20-60
108"x24"

OR



G20-60
108"x24"

PLACE SIGN G20-60 OVER MILEAGE
ON EXISTING E1-1A SIGN



COVER ARROW ON
EXISTING E4-1A
SIGN (COVERING
SIGNS TYPE I)

G20-61
120"x30"

TEMPORARY PAVEMENT MARKING
4" REMOVABLE TAPE, WHITE
(ACROSS THE RAMP OPENING)

END
ROAD WORK
*G20-2A
48"x24"

25' TYP.

100' MIN.

200'

EDGE OF SHOULDER

COVER EXISTING
EXIT SIGN

ROAD
WORK
AHEAD
*W20-1A

RAMP
CLOSED
AHEAD
W20-53A

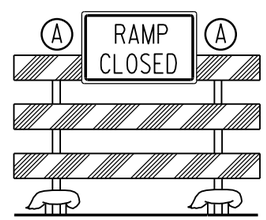
RAMP
CLOSED
1000 FT
W20-53C

1500'

1500'

1000'

R11-2R
48" X 30"
MOUNTED ON
TYPE III BARRICADE



RAMP WILL
BE CLOSED
(TIME)
BEGINNING
(DATE)

**R11-51
48"X48"
(OR SPECIAL SIGN IF INDICATED IN PLAN)

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, REMOVABLE TAPE IF RAMP CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WORK AREAS WITH A DROPOFF 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 THE 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.

* W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE RAMP CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

** PLACE "RAMP WILL BE CLOSED" SIGN 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR SIGN LAYOUT.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, EXIT RAMP CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO SAFETY ENGI — FIC
FHWA

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S.D.D. 15 D 16-3

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S.D.D. 15 D 16-3

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.

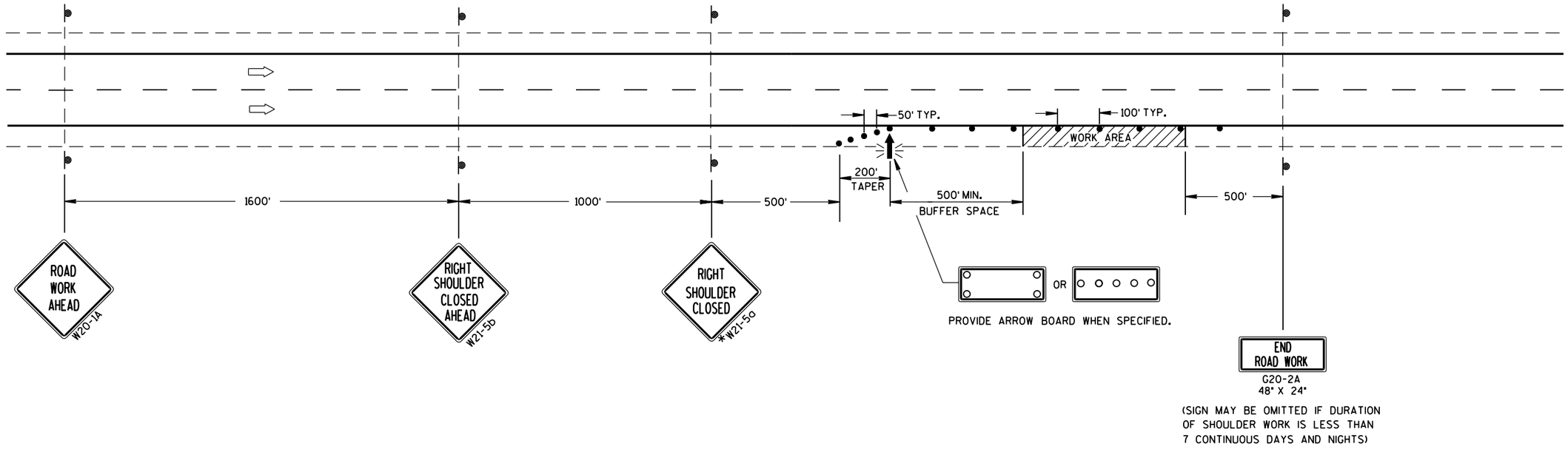
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

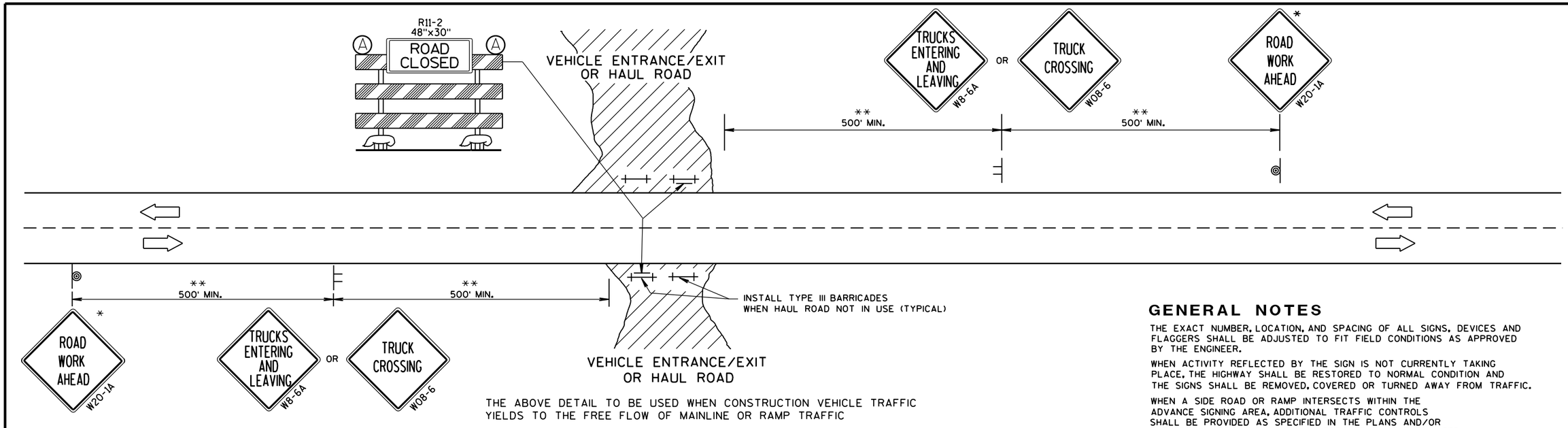
June 2016 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO[illegible] SAFETY ENGI[illegible]

FHWA

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S.D.D. 15 D 27-3



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

LEGEND

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

GENERAL NOTES

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

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

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

* THESE SIGNS ARE TO BE USED ONLY WHEN VEHICLE **ENTRANCE/EXIT CONDITIONS ARE SEPARATED BY MORE THAN 2 MILES** FROM PREVIOUS WORK AREA OR SIGNING OR AS DIRECTED BY THE ENGINEER.

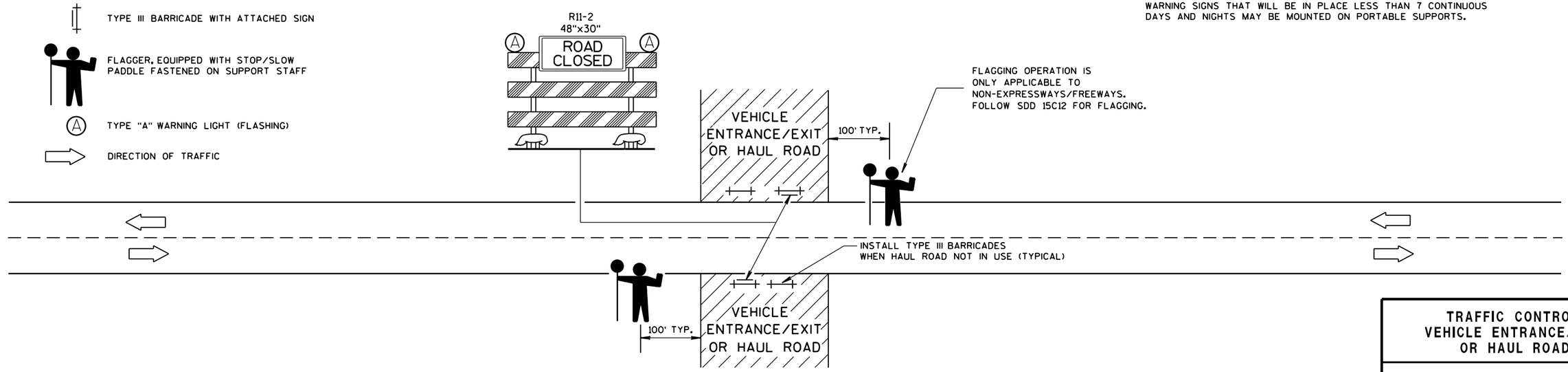
** 500 FEET SHOWN IS FOR ROADWAYS WITH A NON-CONSTRUCTION REGULATORY SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FEET. FOR 25-30 MPH, USE 200 FEET. USE 1000 FEET/1500 FEET FOR EXPRESSWAY/FREEWAY.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

PLACE SIGNS ON BOTH SIDES IF USED ON DIVIDED HIGHWAY.

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



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

TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

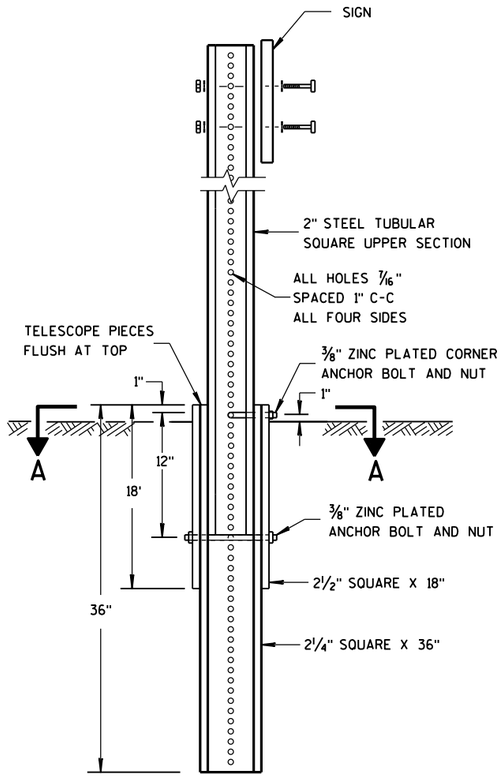
APPROVED
June 2017 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGI
FHWA

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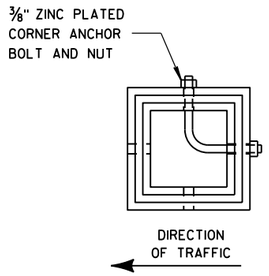
S.D.D. 15 D 29-5

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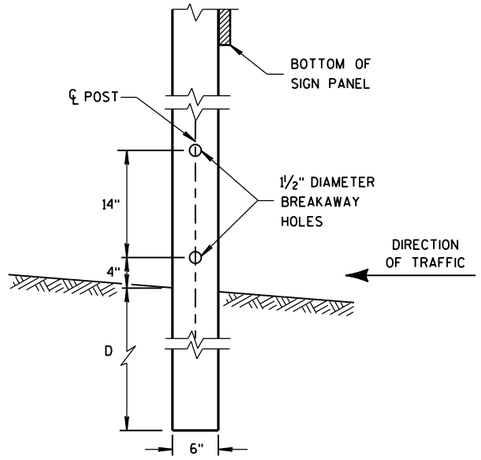
S.D.D. 15 D 29-5



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



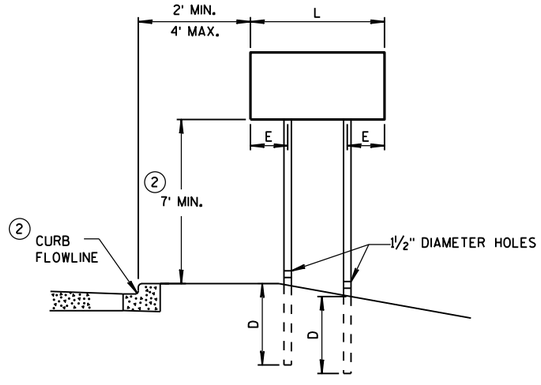
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

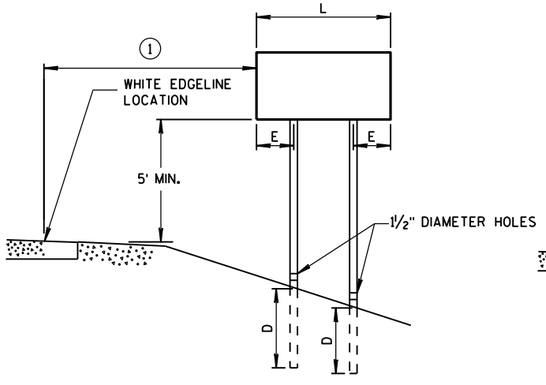
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

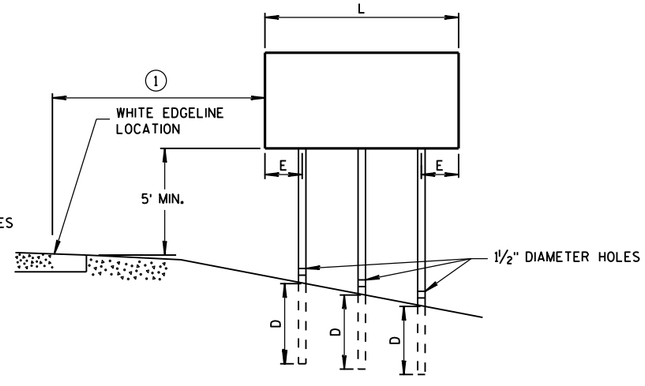
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

(3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL 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).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

WOOD POST EMBEDMENT DEPTH

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

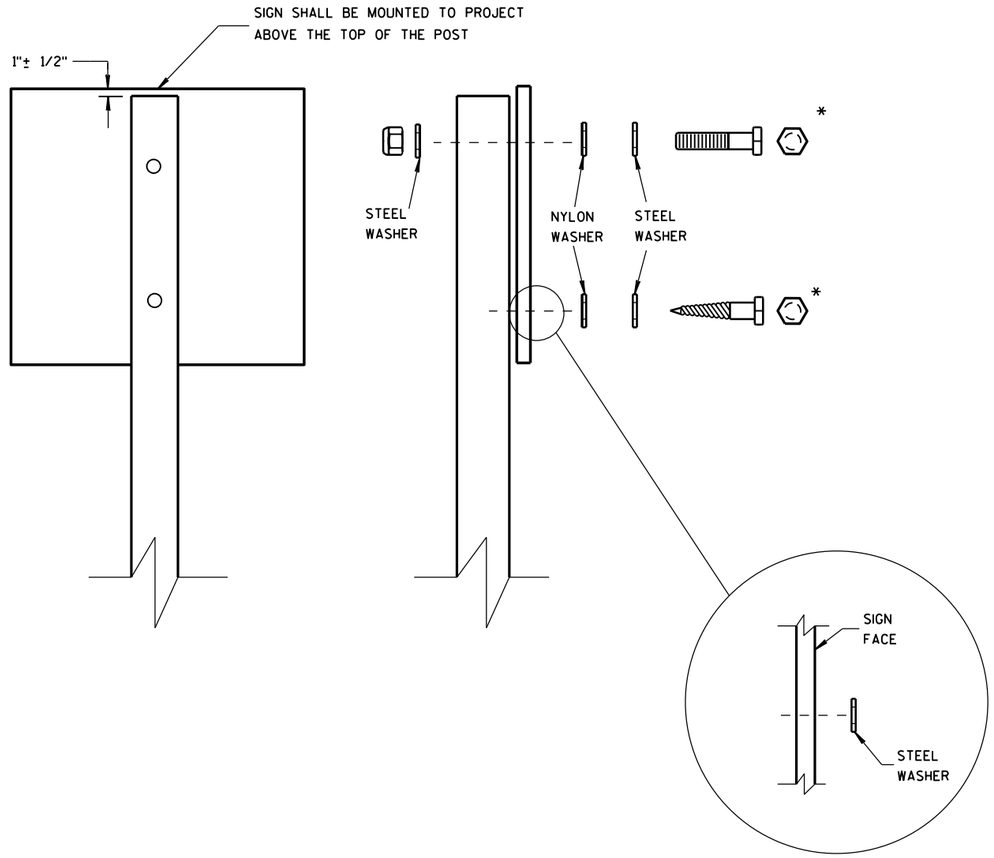
SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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S.D.D. 15 D 38-2a



WASHER PLACEMENT WHEN SIGN HAS OTHER THAN TYPE H OR TYPE F FACE

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.

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3"

MACHINE BOLTS - 5/16" X 6-1/2" OR 7" LENGTH W/ NUTS

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" LENGTH W/ NUTS

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 FOR ALL TYPE H SIGNS

* 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. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

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S.D.D. 15 D 38-2b

S.D.D. 15 D 38-2b

ATTACHMENT OF SIGNS TO POSTS

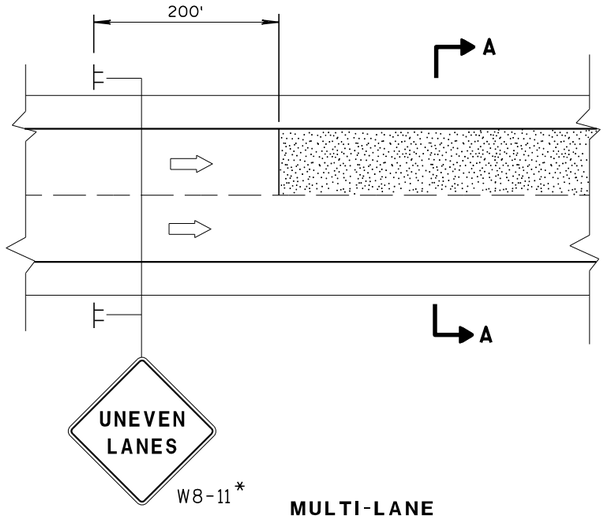
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

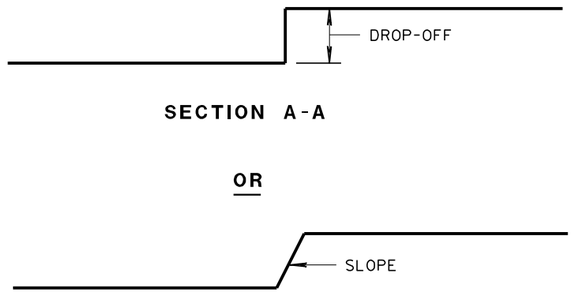
June 2017
DATE

/S/ Andrew Heldtke
WORK ZONE ENG

FHWA



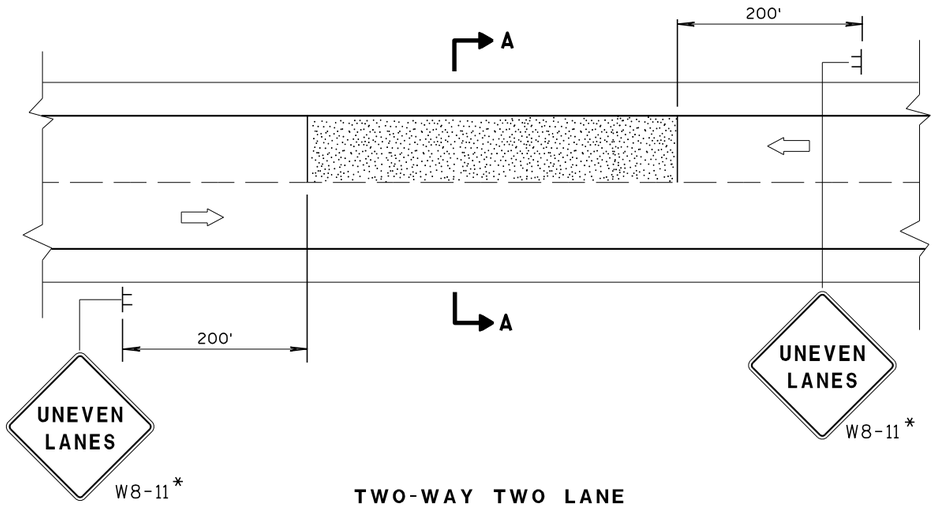
MULTI-LANE



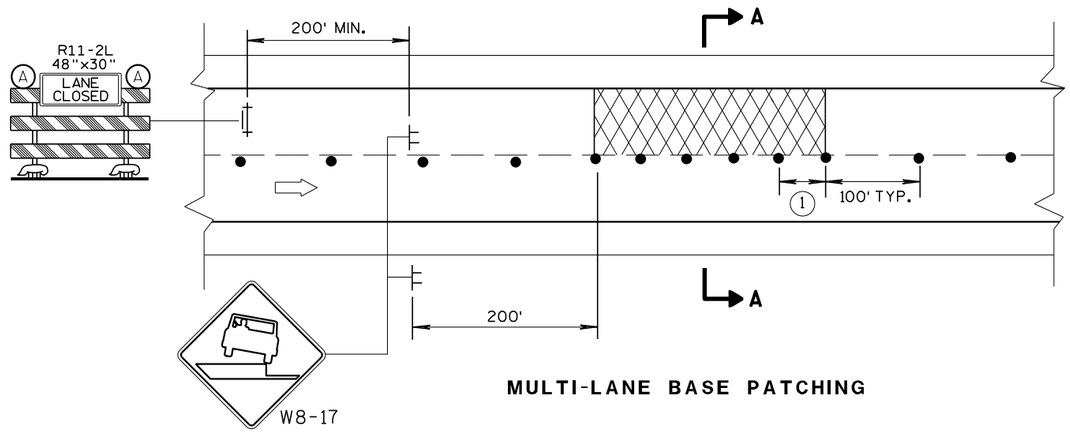
SECTION A-A

OR

SECTION A-A

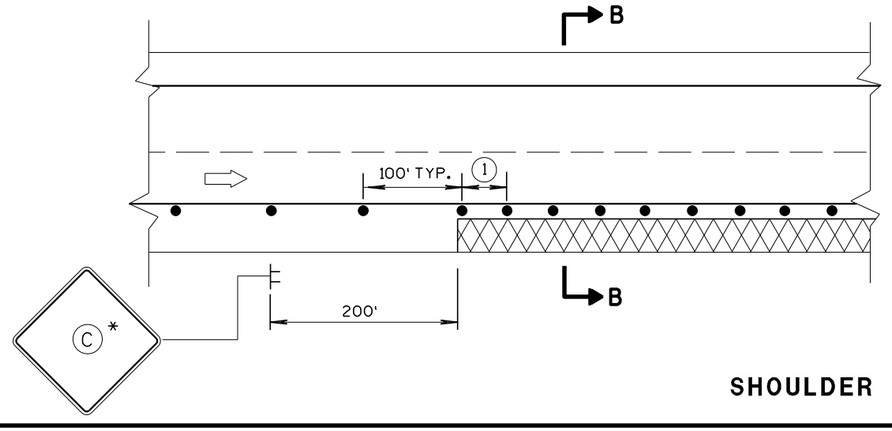


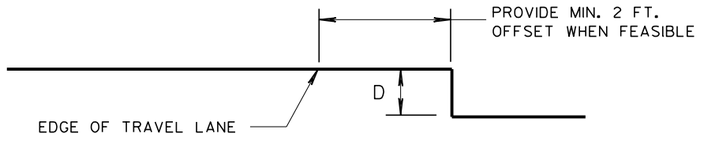
TWO-WAY TWO LANE



MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS





SECTION B-B

SHOULDER DROP-OFFS

GENERAL NOTES

FOR SPOT LOCATIONS USE ENGINEERING JUDGEMENT WHEN PLACING ADDITIONAL SIGNS.

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

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

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

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

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

LEGEND

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

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

TRAFFIC CONTROL, DROP-OFF SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Andrew H — WORK ZONE EN
FHWA

640

6

S.D.D. 15 D 39-2

6

S.D.D. 15 D 39-2

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)

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 DESIREABLE) DISTANCE TO EXISTING SIGNS.

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

ALL SIGNS ARE 48"×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 AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

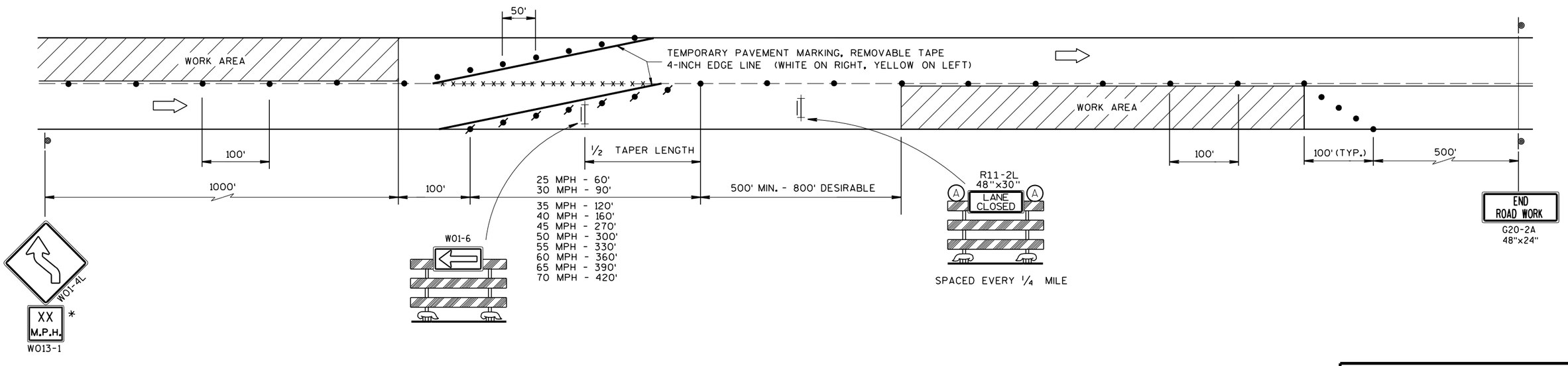
FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

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

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST 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.



* USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED

LANE SHIFT MULTI-LANE DIVIDED OR ONE WAY ROAD

TRAFFIC CONTROL, LANE SHIFT, MULTI-LANE DIVIDED OR ONE WAY ROAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE
/S/ Andrew I
WORK ZONE E
FHWA

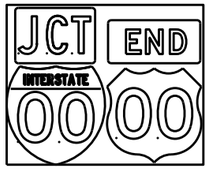
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S.D.D. 15 D 40-1

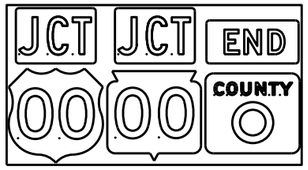
TYPICAL ASSEMBLIES



J1-1



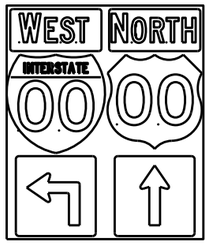
J1-2



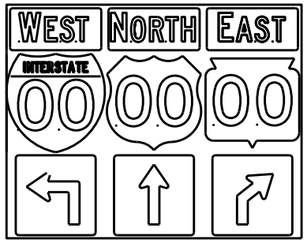
J1-3



J2-1



J2-2

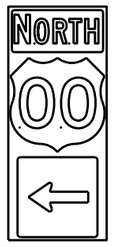


J2-3

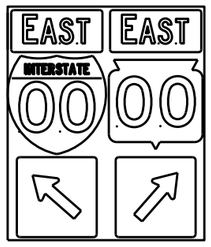


JV

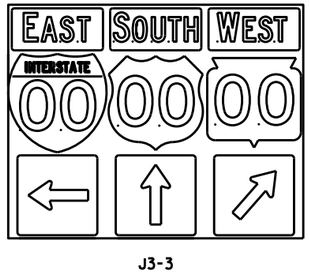
(Typical Vertical J-Assembly
See Note 10 and 11)



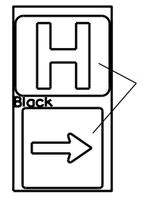
J3-1



J3-2



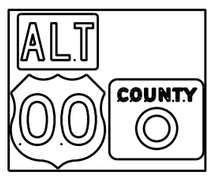
J3-3



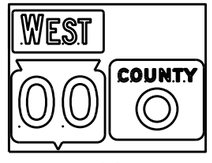
JH-1



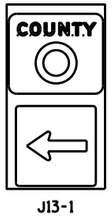
J4-1



J4-2



J4-2



J13-1



J12-1



J32-1



J33-1

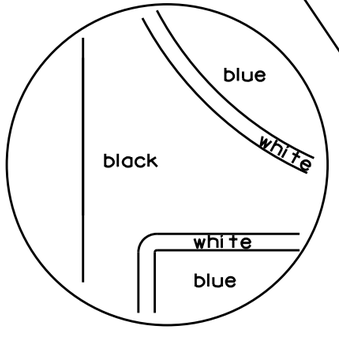


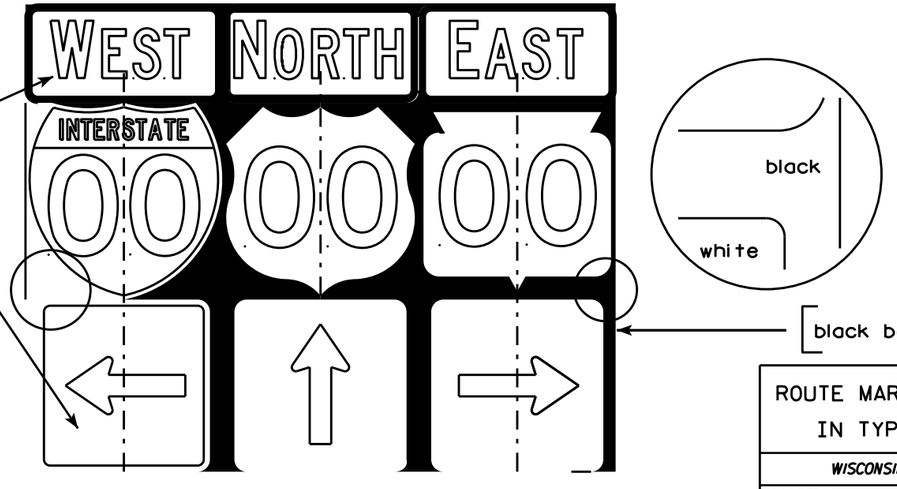
J23-1



J22-1

[blue background with interstate]





[black background]

NOTES

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

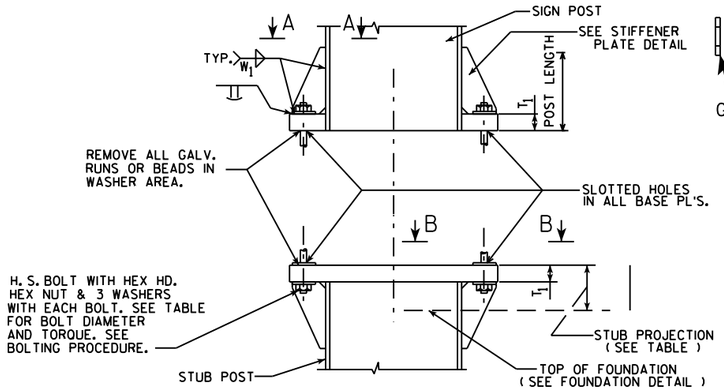
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/06/14 PL... A2-1S.8

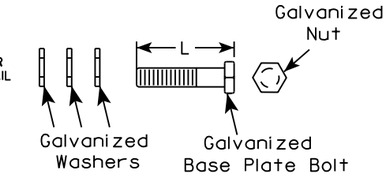
PROJECT NO: | SHEET NO: E

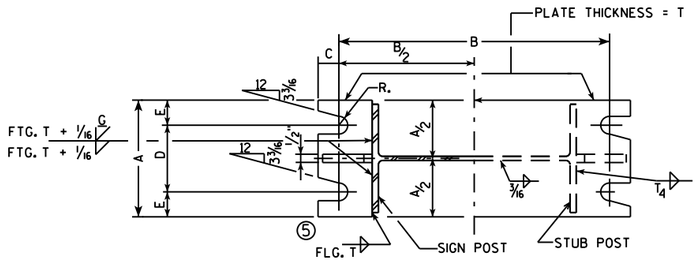
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WISDOT/CADDS SHEET 42



SIGN POST AND STUB POST ELEVATION





DESIGN DATA

WIND PRESSURE = 75 M.P.H.
WIND COMPONENTS - NORMAL = 1.0 TRANSVERSE = 0.0
ICE LOAD = 3 P.S.F.

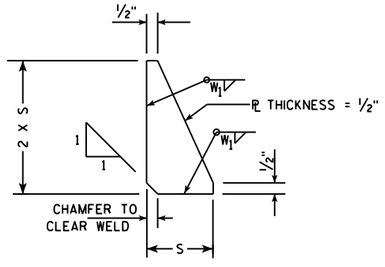
GROUP LOADS	PERCENT OF ALLOWABLE STRESS
1. DEAD	100
2. DEAD & WIND	140
3. DEAD, ICE & 1/2 WIND[4]	140

[4] 25 P.S.F. MIN.

ALLOWABLE SOIL PRESSURE = 1 1/2 T / SQ. FT.
WIND LOAD WAS APPLIED TO THE AREA OF THE SIGN AND TO THE SUPPORTING MEMBERS.
ICE LOAD WAS APPLIED TO ONE FACE OF THE SIGN AND AROUND THE SURFACE OF THE SUPPORTING MEMBERS.

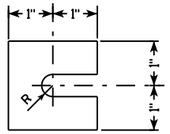
GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
DESIGN CONFORMS WITH A.A.S.H.T.O. SPECIFICATIONS 1985.
ALL POSTS, POST STUBS & ATTACHMENTS SHALL BE A.S.T.M. A709 GRADE 50, GALVANIZED IN ACCORDANCE WITH ASTM A123.
⑨ THE POST, BASE PLATES, UPPER SIX INCHES OF STUB POST FLANGE SPLICE PLATE AND FUSE PLATE SHALL BE GALVANIZED AFTER FABRICATION.
FURNISH STEEL BOLTS, NUTS, AND WASHERS IN ACCORDANCE WITH SECTION 635 OF THE STANDARD SPECIFICATIONS.



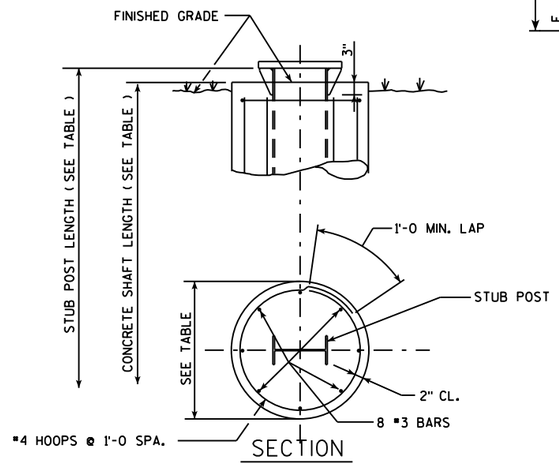
STIFFENER PLATE DETAIL

(SEE TABLE FOR DIMENSIONS)

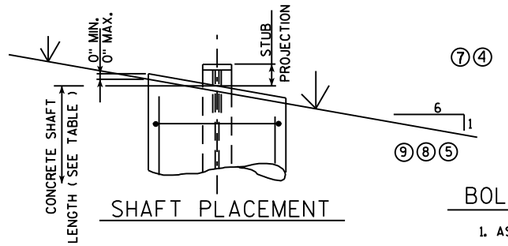


FURNISH 2 @ .012" ± THICK AND 2 @ .032" ± THICK SHIMS PER POST. SHIMS SHALL BE FABRICATED FROM BRASS SHIM STOCK OR STRIP CONFORMING TO A.S.T.M.- B36.

SHIM DETAIL

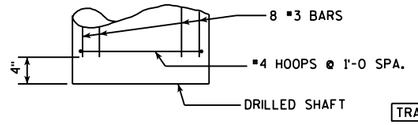


SECTION



⑦④ ⑨⑧⑤

SHAFT PLACEMENT

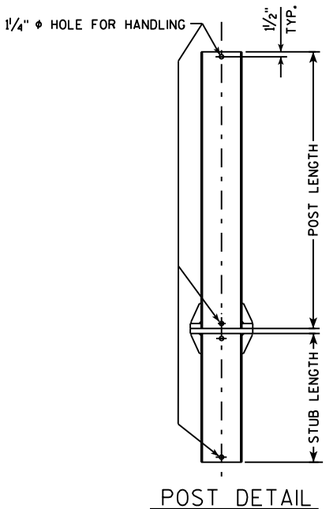


FOUNDATION DETAIL

BOLTING PROCEDURE - BASE CONNECTION

1. ASSEMBLE SIGN POST TO STUB POST WITH BOLTS AND ONE OF THE FLAT WASHERS ON EACH BOLT BETW. PLATES.
2. SHIM AS REQ'D. TO PLUMB POST.
3. PRIOR TO BOLT TIGHTENING LUBRICATE BASE CONNECTION BOLTS WITH BEESWAX OR OTHER HIGH-WAX LUBRICANT.
4. TIGHTEN ALL BOLTS THE MAXIMUM POSSIBLE WITH 12" OR 15" WRENCH TO BED WASHERS & SHIMS AND TO CLEAN BOLT THREADS, THEN LOOSEN EACH BOLT IN TURN AND RETIGHTEN IN A SYSTEMATIC ORDER TO THE PRESCRIBED TORQUE. (SEE TABLE)
5. BURR THREADS AT JUNCTION WITH NUT USING A CENTER PUNCH TO PREVENT NUT LOOSENING.

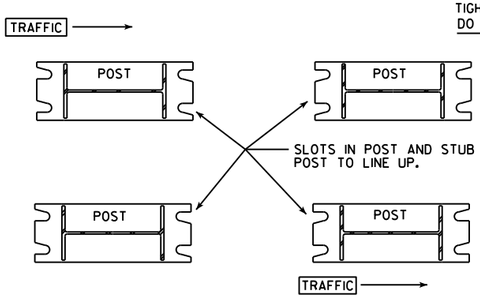
NOTE:
TIGHTEN THE HIGH STRENGTH BOLTS TO THE TORQUE SHOWN. DO NOT OVERTIGHTEN.



POST DETAIL

⑦	QUANTITIES FOR 1 FOOTING	CONC. MASONRY C.Y.	REINF. STEEL LBS.
	A	0.6	34
	B	0.8	49
	C	0.9	50
	D	0.9	56
	E	1.0	62

⑦	REINF.	TYPE	#3	#4
		A	8 @ 4'-5	5 @ 6'-3
		B	8 @ 6'-5	7 @ 6'-3
		C	8 @ 6'-11	7 @ 6'-3
		D	8 @ 7'-5	8 @ 6'-3
		E	8 @ 7'-11	9 @ 6'-3



POST SLOT ORIENTATION ⑦

L	X	TYPE	POST SIZE	WEIGHT PER FT	BASE CONNECTION DATA TABLE: BOLT SIZE & TORQUE	A	B	C	D	E	T_1	T_4	W_1	R	S	FOUNDATION DATA: STUB LENGTH	STUB PROJECTION	SHAFT DIAMETER	SHAFT LENGTH	② K
3 3/4	④	A	W10"X12.0	12.0 LBS	3/4" ø @ 75"-FT.	5 1/4"	1'-0 3/8"	7/8"	3 1/2"	7/8"	1"	3/16"	5/16"	13/32"	2 1/8"	3'-6	3"	2'-0 ø	5'-0	76.0" ④
4 3/4	④	B	W12"X16.0	16.0 LBS	7/8" ø @ 85"-FT.	5 1/2"	1'-4 1/4"	1"	3 1/2"	1"	1 1/4"	1/4"	5/16"	15/32"	3"	5'-6	3"	2'-0 ø	7'-0	146.5" ④
5		C	W12"X19.0	19.0 LBS	7/8" ø @ 85"-FT.	5 1/2"	1'-4 1/4"	1"	3 1/2"	1"	1 1/2"	5/16"	5/16"	15/32"	3"	6'-0	3"	2'-0 ø	7'-6	182.1"
5		D	W12"X22.0	22.0 LBS	7/8" ø @ 85"-FT.	5 1/2"	1'-4 1/4"	1"	3 1/2"	1"	1 1/2"	3/8"	5/16"	15/32"	3"	6'-6	3"	2'-0 ø	8'-0	210.5"
5	③	E	W12"X26.0	26.0 LBS	1" ø @ 90"-FT.	7"	1'-4 1/4"	1 1/4"	4"	1 1/2"	1 1/2"	3/8"	5/16"	17/32"	3"	7'-0	3"	2'-0 ø	8'-6	293.0" ③

① ⑥ ①

STRUCTURAL CARBON STEEL PAY WTS. (1 POST) = K+ (POST LENGTH X POST WT.)
" K " INCLUDES STUB, BASE PLATES, STIFFS., BOLTS, AND WASHERS.

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 8/22/17 PLATE NO. A3-1.17

NO.	DATE	REVISION
⑩	1-21-14	LUBRICATION OF BASE BOLTS
⑨	4-26-11	REMOVE NON-GALVANIZED
⑧	10-30-96	NOT GALVANIZED/GALVANIZED
⑦	10-30-92	QUANT., A588 EXCEPT., ADD SLOT VIEW
⑥	8-24-87	BASE CONN. WELD
⑤	10-13-81	BASE CONN. WELD & FUSE & WASHERS
④	10-19-79	POST A & B, A572 GR. 50, & K
②	11-28-78	"K" ③ 4-23-79 TYPE "E"
①	5-4-78	T_1 . T_2 & W_1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

TYPE A, B, C, D, & E

CONST. SPEC. 2011 | DRAWN BY JPH | PLANS CK'D.

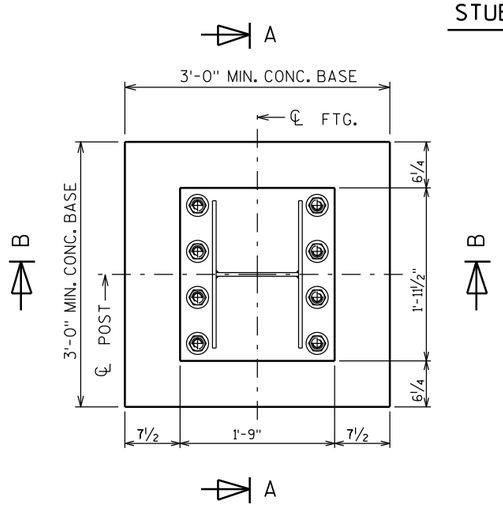
FTG. & SIGN SUPPORT DETAILS GROUND MOUNT BREAK-AWAY SIGNS | SHEET

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 643 | E

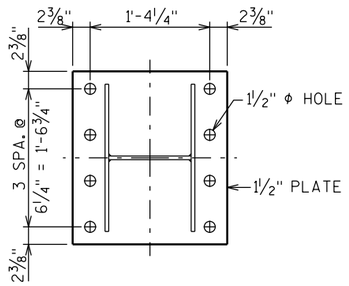
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WISDOT/CADDS SHEET 42

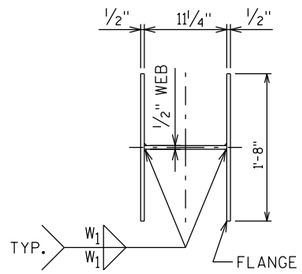
STUB AND MASONRY ANCHOR DETAILS



STUB SECTION



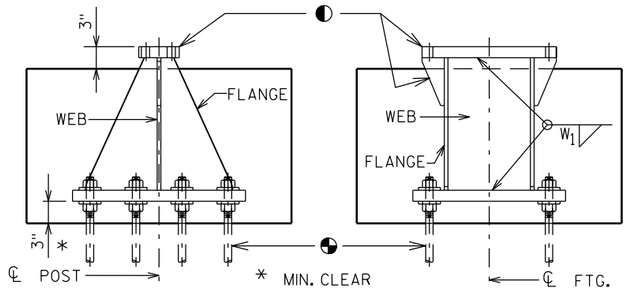
BASE PLATE



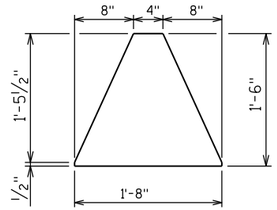
STUB

◐ SEE PLATE NO. A3-1 FOR DETAILS

◒ MASONRY ANCHORS TYPE S 1¼-INCHES (ADHESIVE). ALLOWABLE PULL OUT CAPACITY 14,995 KIPS. EMBED 1'-3" IN ROCK.



SECTION A SECTION B



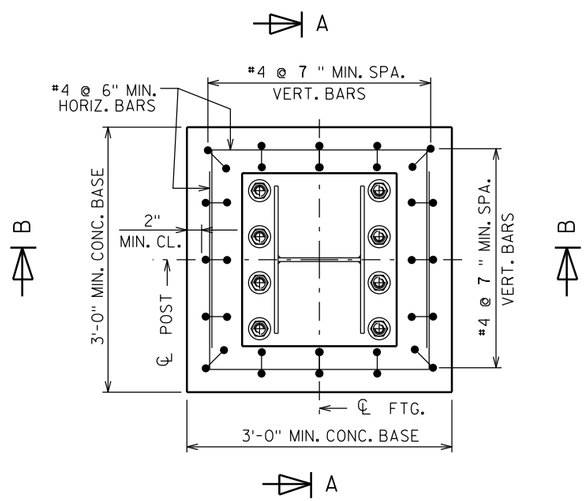
FLANGE

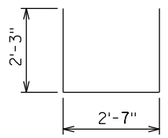
GENERAL NOTES

1. Quantities per Base:
   - REINFORCING BAR STEEL = 62 LBS
   - CONCRETE = 0.6 C.Y.
   - STEEL WEIGHT = 335 LBS
2. All materials, except anchor rod, nuts and washers, are to be A.S.T.M. A709 grade 50. All materials to be galvanized after fabrication.
3. If the contractor encounters rock before reaching the footing depth, per the A3-1 Sign Detail, determine the pull-out capacity of a test adhesive anchor installed in the rock. If the test result equals or exceeds the pull-out capacity of 14,995 KIPS, the contractor may install the breakaway stub for rock, according to this detail.

CONCRETE BASE AND REINFORCING STEEL DETAILS

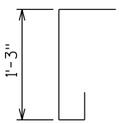
CONCRETE BASE SECTION





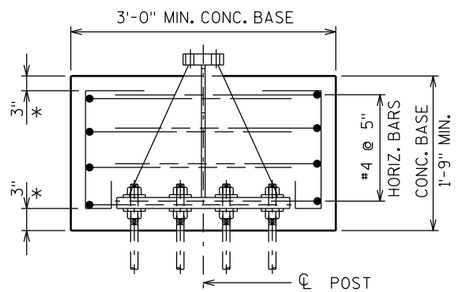
HORIZONTAL BAR

8 BARS @ 6'-11" LENGTH



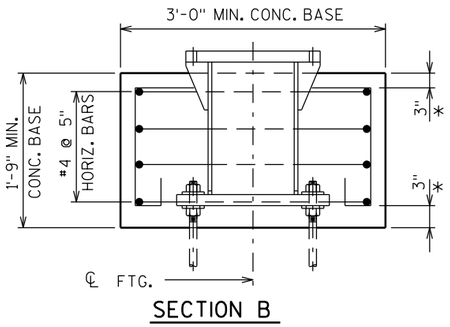
VERTICAL BARS

16 BARS @ 2'-4" LENGTH
MAY BE PLACED IN SKEW
FOR CLEARANCE NEED



SECTION A

* MIN. CLEAR



SECTION B

ALTERNATE BREAK-AWAY BASE ON ROCK
A3-1M

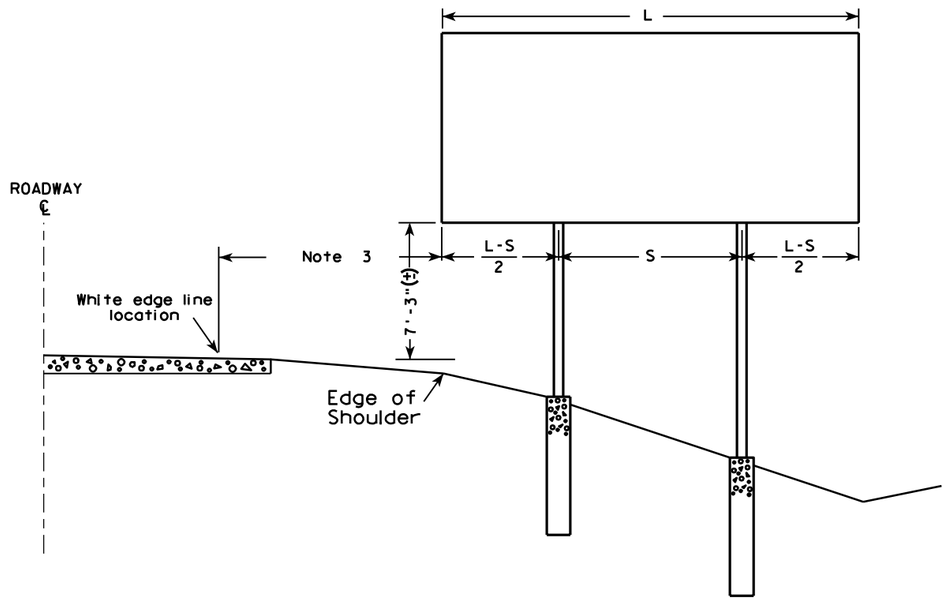
WISCONSIN DEPT OF TRANSPORTATION

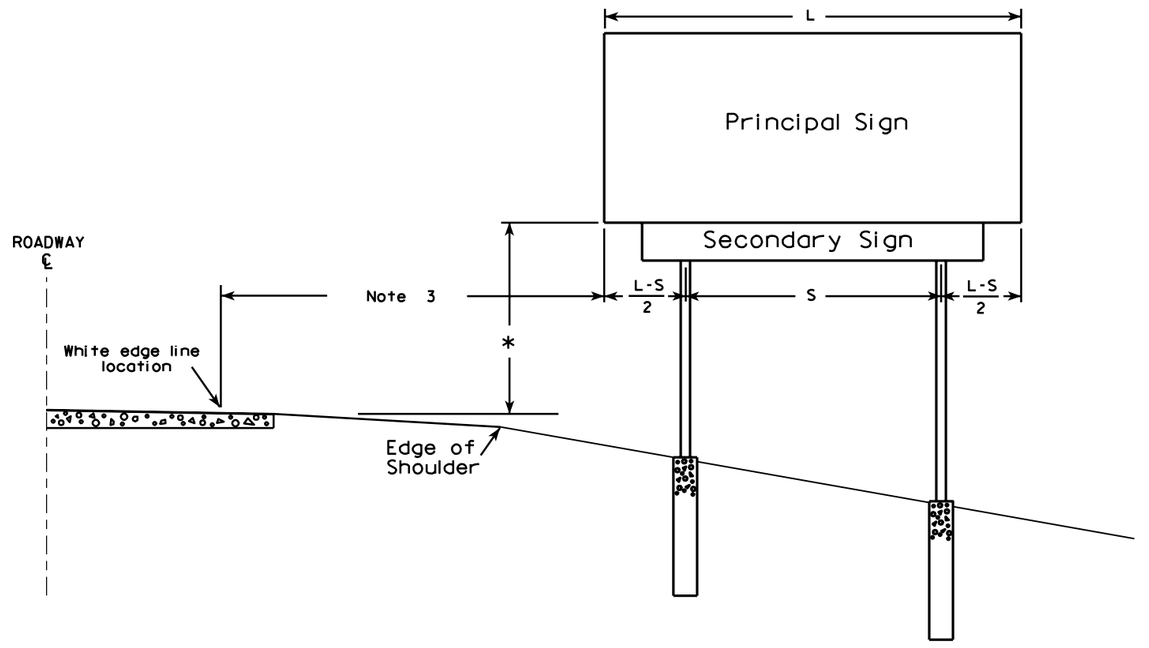
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 2/06/2014 PLATE A3-1M.1

644

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E





GENERAL NOTES

1. For a 2 post installation, S equals 3L/5, but shall not be less than 9 ft.
2. For a 3 post installation, S equals 5L/7, but shall not be less than 18 ft., and the space between any two posts shall not be less than 9 ft.
3. Unless noted in the plan, the sign offset distance shall be a minimum of 17'-6", desirable 30'-0".
4. The (±) tolerance shown on this sheet is 3 in.
5. The vertical sign height clearance detailed is measured from the bottom of the sign to the near edge of pavement.
6. Post lengths shown in the miscellaneous quantities are estimated lengths. The contractor shall verify post lengths at the time of final grading.
7. Refer to the Traffic Guidelines Manual for further guidance on minimum vertical clearance requirements.

* Clearance is 8'-3"(±) when the secondary sign is 3 ft. or less in height. For secondary signs larger than 3 ft., the clearance to the bottom of the secondary sign shall be 5'-3"(±).

7

7

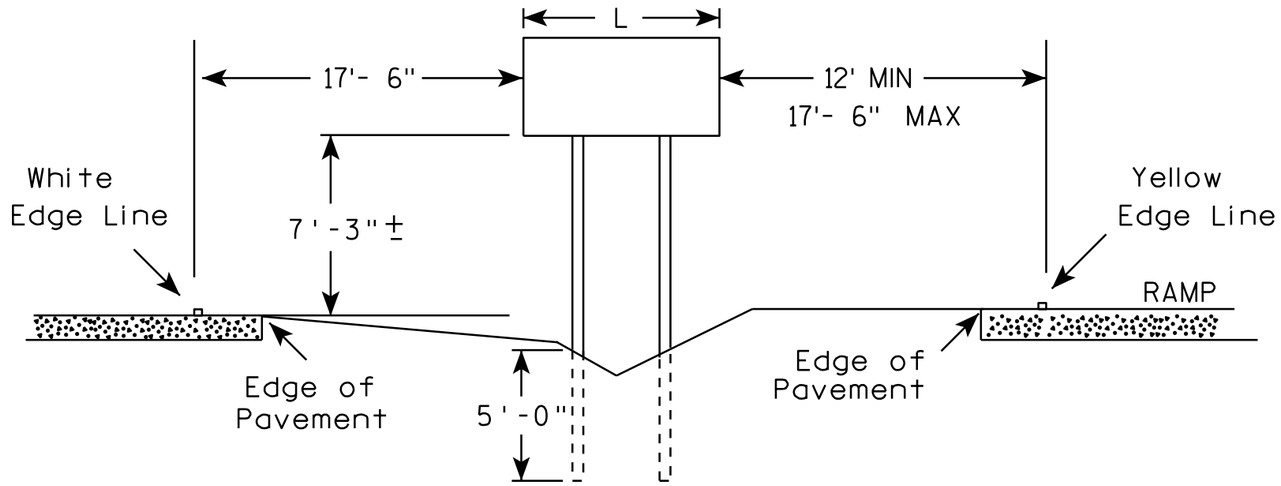
TYPICAL INSTALLATION OF TYPE I SIGNS

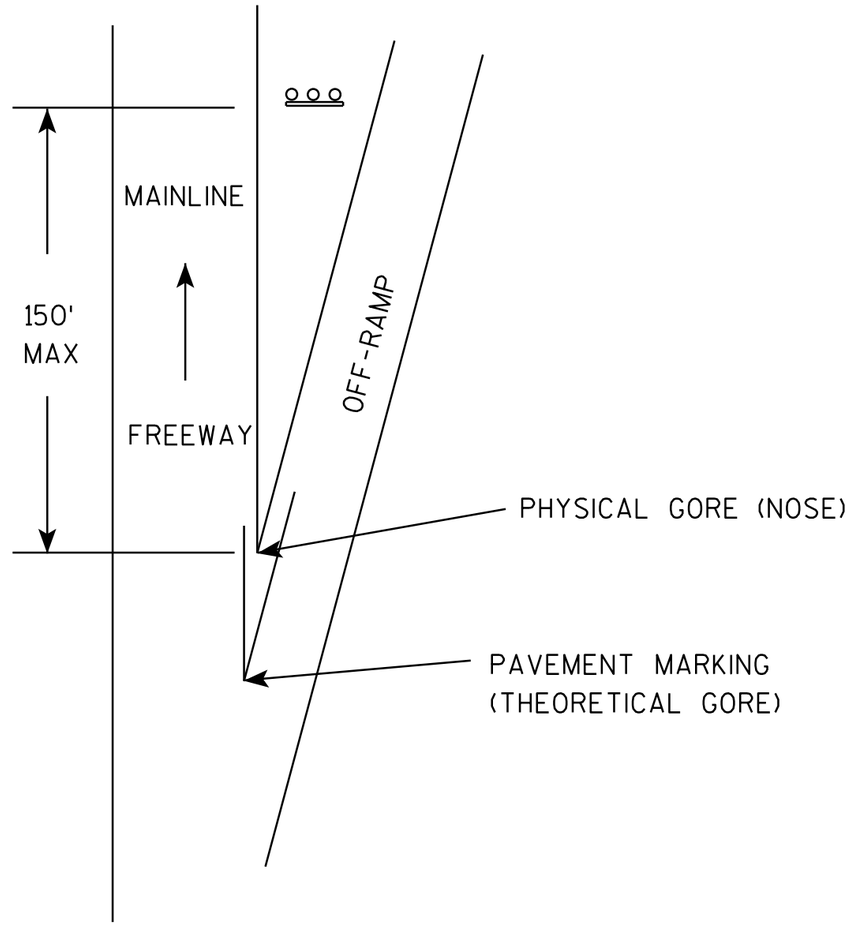
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/02/08 PLATE NO. A4-1.9

PROJECT NO:				SHEET NO: 645	E





GENERAL NOTES

1. The 150 foot distance from the physical gore (where pavement ends) will normally provide the offsets as shown.
2. If roadway geometrics permit, the sign may be closer than the 150 foot distance as long as the offsets are maintained.
3. At no time shall the location be greater than 150 feet. If the normal offsets cannot be maintained, they can be reduced to 6 feet from the edge of the paved shoulder (both freeway and ramp).
4. The offset from edge of sign to the yellow edge line on the ramp is shown as a minimum of 12 feet and a maximum of 17 feet, 6 inches. Preference is adhering to the maximum rather than the minimum dimension.
5. When L is equal to or exceeds 10 feet, use 3 posts as per A4-4.
6. The (∓) tolerance for the mounting height is 3 inches.

7

7

TYPICAL INSTALLATION
OF TYPE II SIGNS ON
WOOD POSTS IN GORE

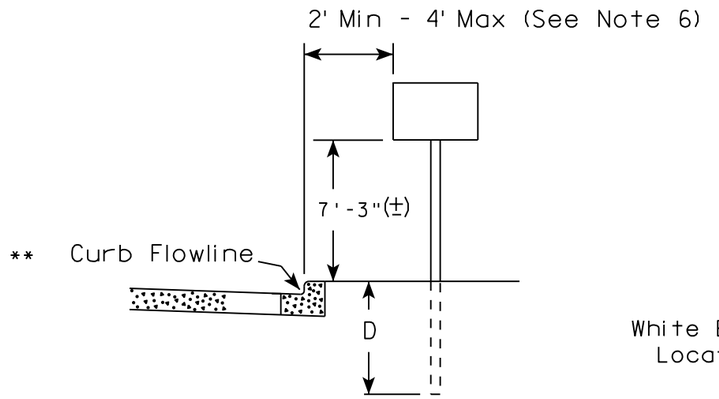
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

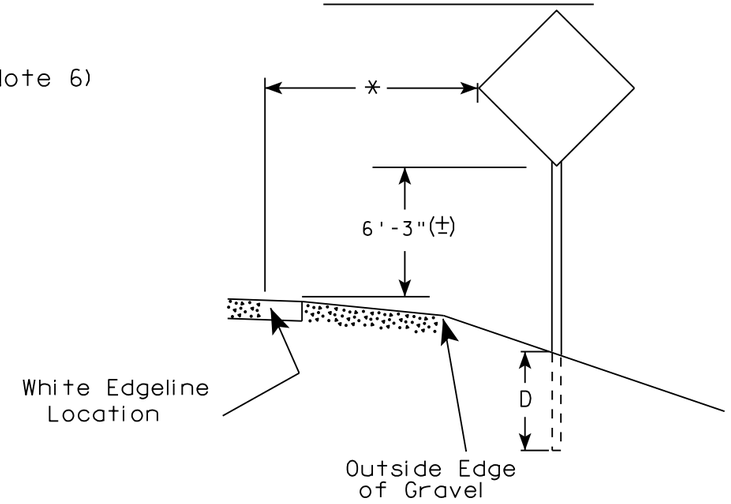
DATE 2/06/14 PLA 646 A4-2.3

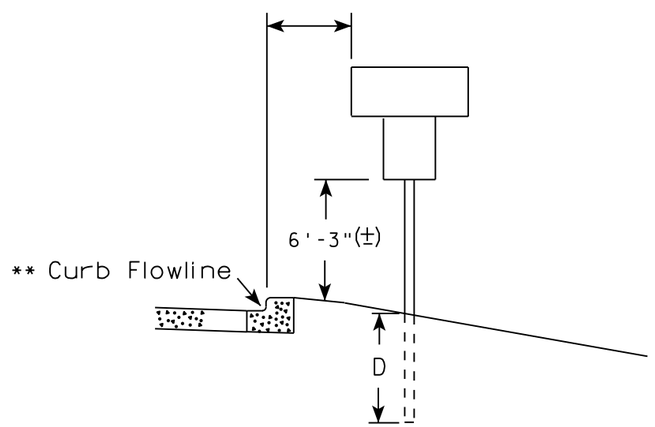
PROJECT NO: | SHEET NO: E

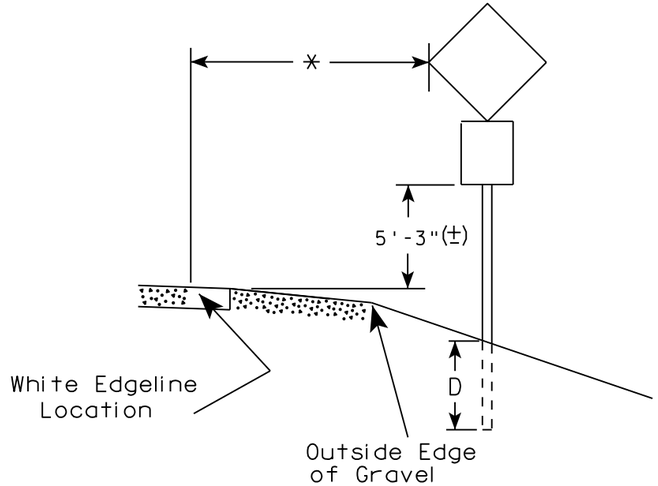
URBAN AREA



RURAL AREA (See Note 2)







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

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

POST EMBEDMENT DEPTH

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

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. J-Assemblies are considered to be one sign for mounting height.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.
9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), 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" (±).

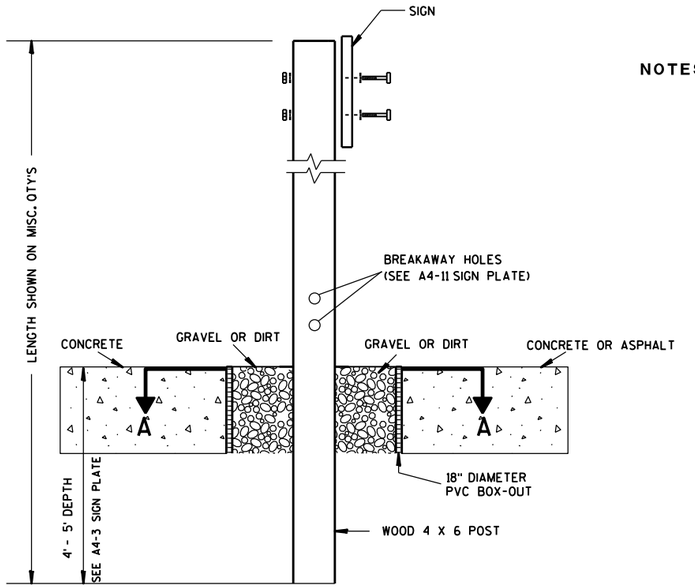
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-3.21

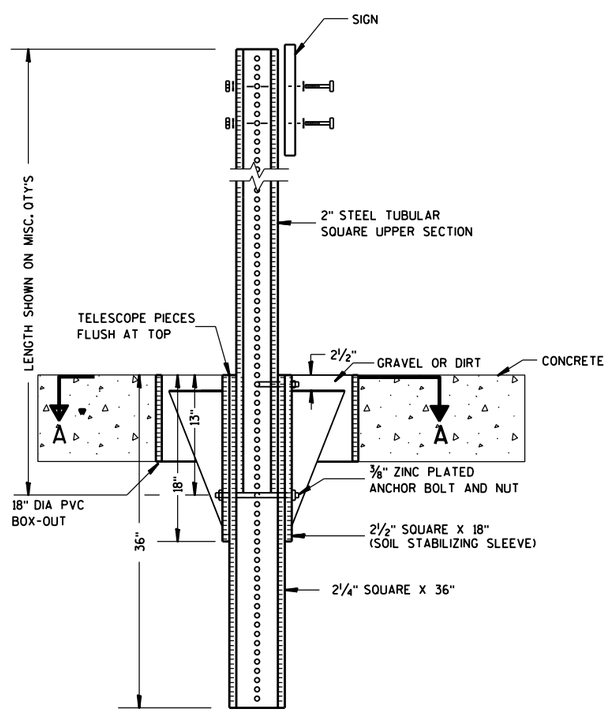
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 647	E



ELEVATION VIEW

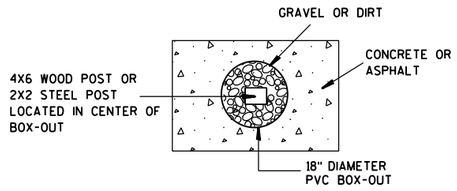
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

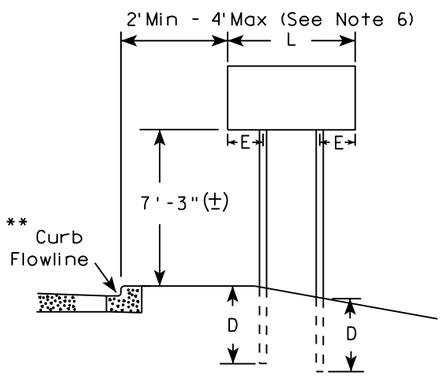
APPROVED Matthew R Rauch
for State Traffic Engineer

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

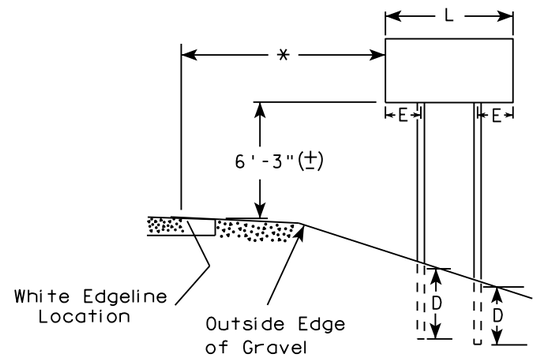
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

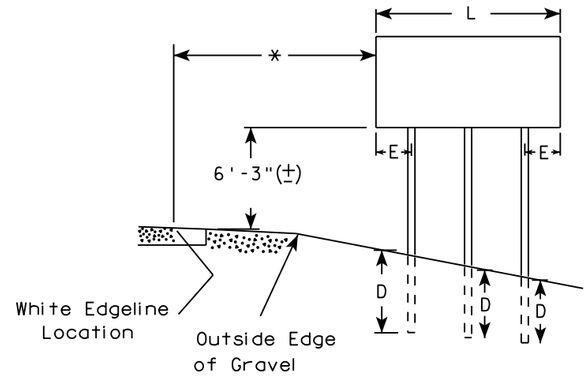
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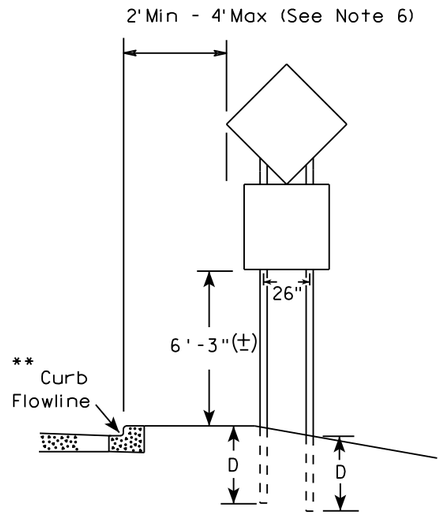
URBAN AREA



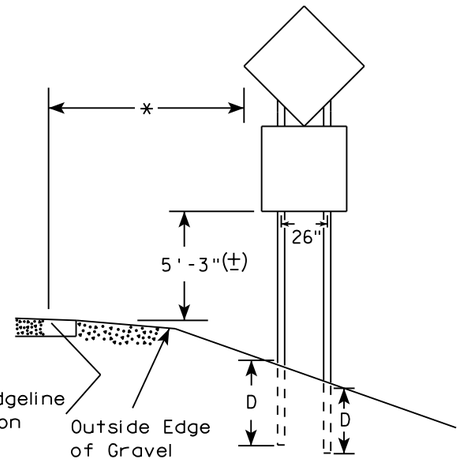
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

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

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

GENERAL NOTES

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

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

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

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

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

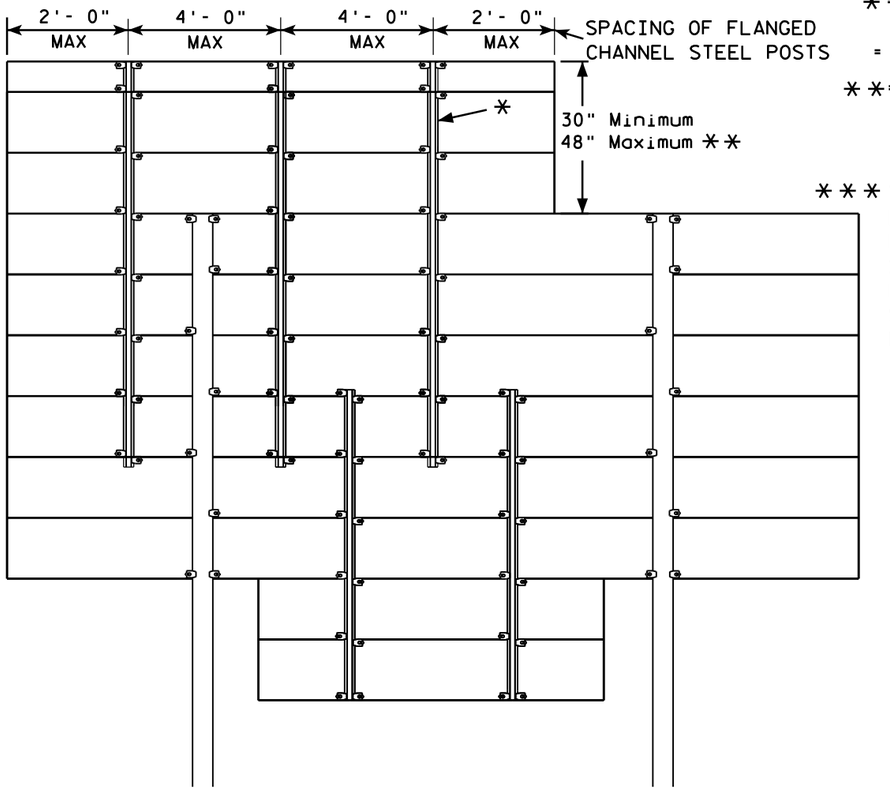
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 649	E

GROUND MOUNTED SIGN

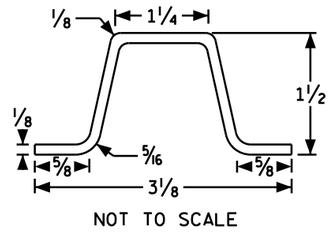


* =2.00 lb/ft FLANGED CHANNEL, MIN. YIELD STRENGTH = 60,000 PSI (GRADE 60) GALVANIZED

** =FOR 48" HEIGHT PANELS ON OVERHEAD STRUCTURES, ENTIRE SIGN SHALL BE CENTERED VERTICALLY ABOUT THE DEPTH OF THE TRUSS.

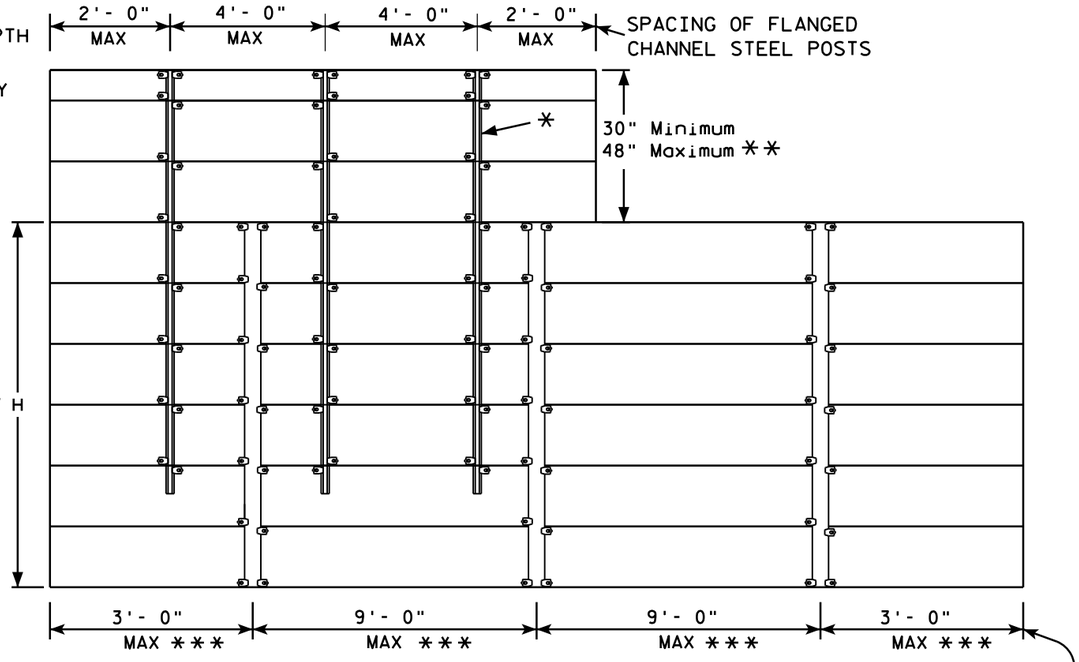
*** THESE SPACING DISTANCES SHALL ONLY BE USED WHEN THE MAIN SIGN HAS A MAXIMUM HEIGHT (DIMENSION H) OF 16 FT OR LESS. FOR SIGNS WITH A HEIGHT OF GREATER THAN 16 FT, STRUCTURAL CALCULATIONS SHALL BE PERFORMED.

FLANGE CHANNEL DETAIL



NOT TO SCALE

SIGN BRIDGE MOUNTED SIGN



GENERAL NOTES

1. Flanged channel steel posts shall conform to size and material above, and shall be considered as incidental to other items in the contract.
2. Number of Flanged channel steel supports varies with length of panel and shall be spaced as shown:

   PANEL LENGTH 8'-0" OR LESS = 2 CHANNELS
   PANEL LENGTH 9'- 0" - 12'- 0" = 3 CHANNELS
   PANEL LENGTH 13'- 0" OR MORE = 4 CHANNELS

   If the flanged channel steel posts can not be horizontally spaced as shown, they can be moved so as to securely hold the sign.
3. The EXIT NUMBER PANEL shall normally be positioned above the guide sign aligned with the right edge of the guide sign. If the guide sign indicates a left exit, the EXIT NUMBER PANEL shall be aligned with the left edge of the guide sign.
4. If the bolt holes in the top panel (EXIT NUMBER), or sub panel (NEXT EXIT) line up with holes in main sign panel, stitch bolts shall be used in addition to the channels.
5. Provide post clips for each sign as shown. (Please note the differences between a ground mounted versus Sign bridge mounted sign as far as number of clips required on the main supports or beams)
6. Structural steel sign supports shall extend to the top of the main signs, as shown on the above details.

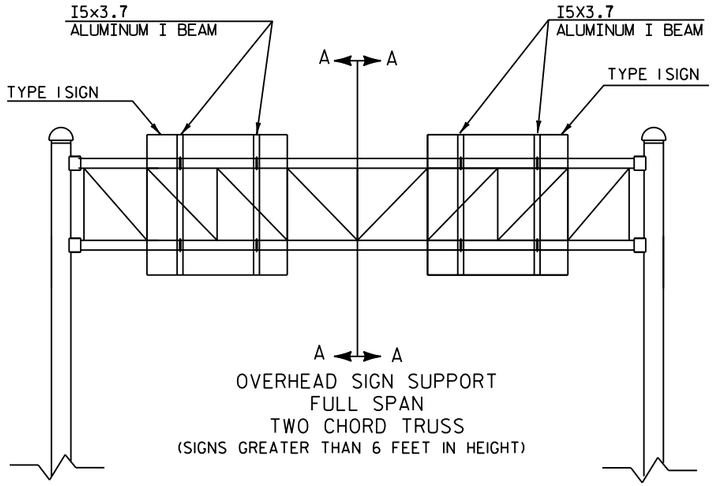
ATTACHMENT OF GUIDE SIGNS TO SUPPORTS

WISCONSIN DEPT OF TRANSPORTATION

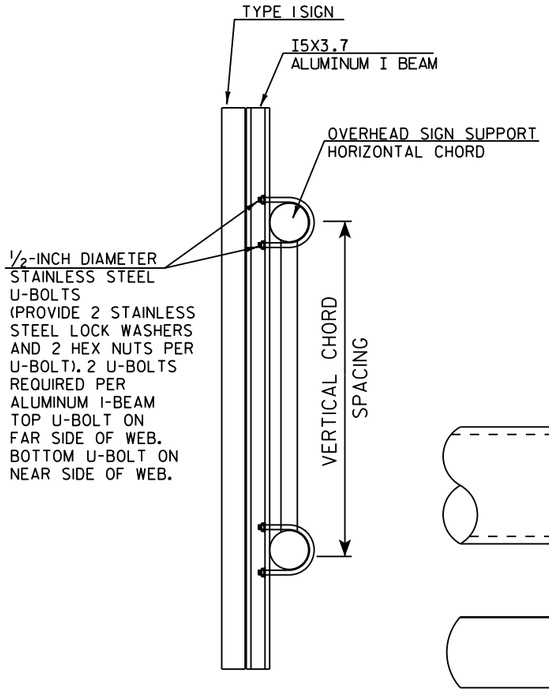
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/05/13 PLAT 650 A4-6.12

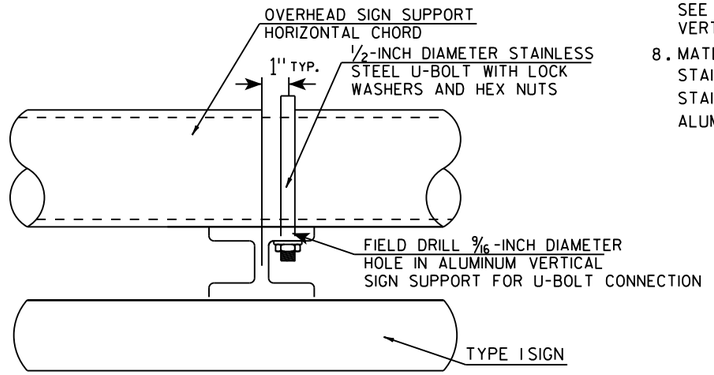
PROJECT NO:				SHEET NO:	E



OVERHEAD SIGN SUPPORT
FULL SPAN
TWO CHORD TRUSS
(SIGNS GREATER THAN 6 FEET IN HEIGHT)



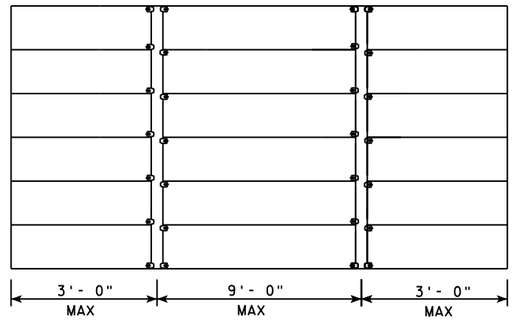
CUT SECTION A-A



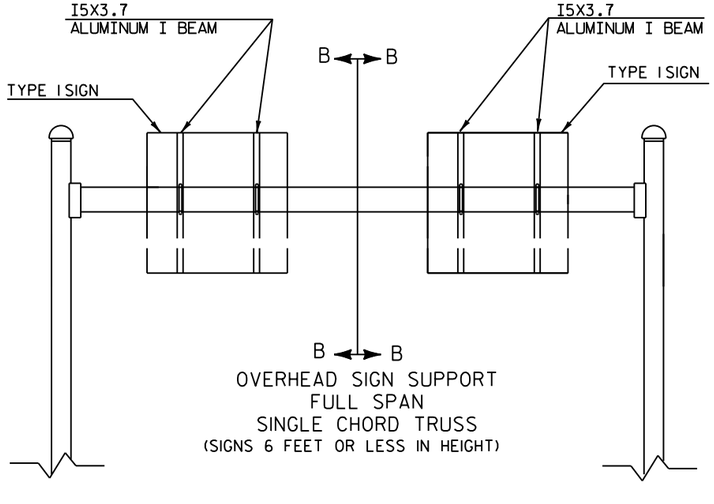
TYPICAL SIGN CONNECTION FOR
TWO CHORD TRUSS
PLAN VIEW

GENERAL NOTES

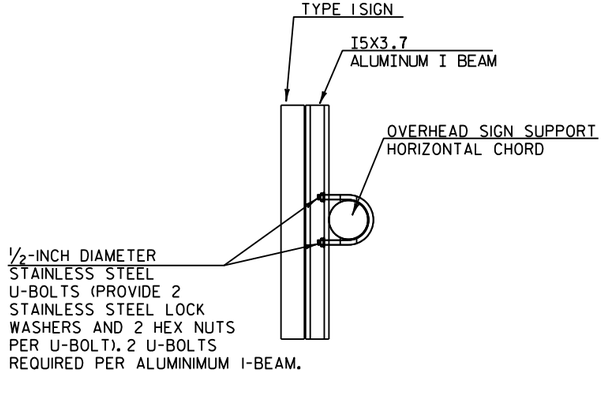
1. USE STAINLESS STEEL U-BOLTS, WASHERS, AND NUTS.
2. USE CLIPS ON EVERY EXTRUDED PANEL JOINT PER SIGN PLATE A4-6.
3. USE ALUMINUM VERTICAL SIGN SUPPORT BEAMS HAVING A 5 INCH BEAM DEPTH AND WEIGHT OF 3.7 LBS PER FOOT.
4. U-BOLTS SHALL BE STAINLESS STEEL AND MANUFACTURED TO THE PROPER SIZE TO FIT THE CHORDS OF THE OVERHEAD SIGN STRUCTURE.
5. DIAMETER OF U-BOLTS SHALL BE AS SHOWN.
6. THE LENGTH OF THE ALUMINUM VERTICAL SIGN SUPPORT BEAMS SHALL BE THE SAME AS THE HEIGHT OF THE SIGN THEY ARE SUPPORTING. BEAM LENGTHS MAY BE LONGER FOR PROPER ATTACHMENT TO CHORDS.
7. MINIMUM NUMBER OF BRACKETS PER SIGN IS TWO. SEE DETAIL BELOW FOR SPACING OF ALUMINUM VERTICAL SIGN SUPPORTS
8. MATERIAL NOTES:
   STAINLESS STEEL U-BOLTS AND LOCKWASHERS ASTM 304.
   STAINLESS STEEL HEX NUTS ASTM A276.
   ALUMINUM I-BEAMS ARE 6061-T6.



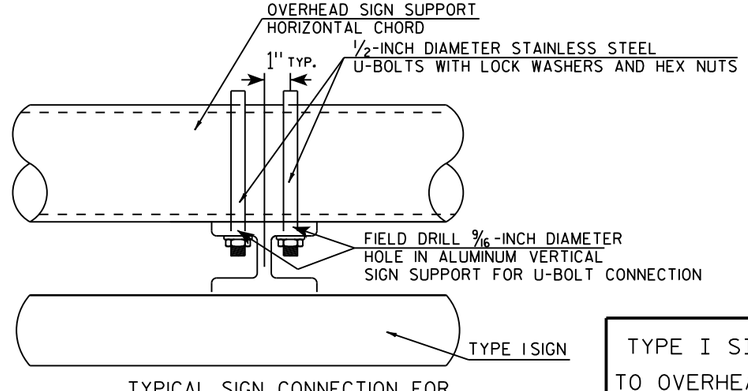
SPACING OF I5X3.7 ALUMINUM
VERTICAL SIGN SUPPORT



OVERHEAD SIGN SUPPORT
FULL SPAN
SINGLE CHORD TRUSS
(SIGNS 6 FEET OR LESS IN HEIGHT)



CUT SECTION B-B



TYPICAL SIGN CONNECTION FOR
SINGLE CHORD TRUSS
PLAN VIEW

TYPE I SIGN CONNECTION TO OVERHEAD SIGN SUPPORT

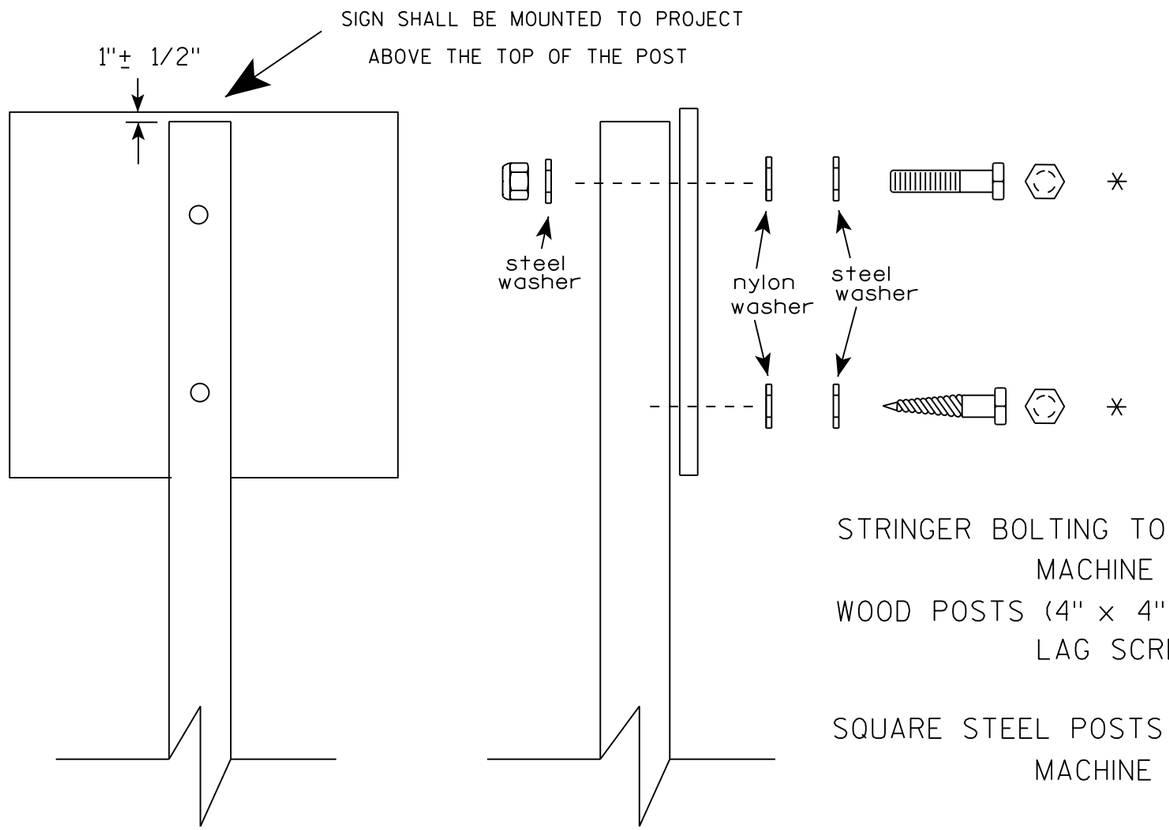
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 11/10/15 PLATE NO. A4-7.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A47.DGN PLOT DATE : 01-DEC-2015 17:42 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 38.916838:1.000000



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 4" or 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 8/11/16 PLATE NO. A4-8.8

652

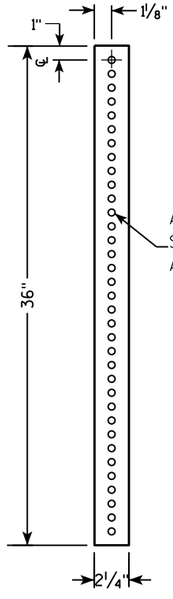
7

PROJECT NO: | SHEET NO: E

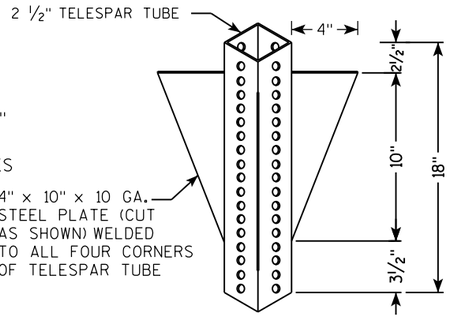
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 11-AUG-2016 11:35 PLOT BY : $$ plotuser $$

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

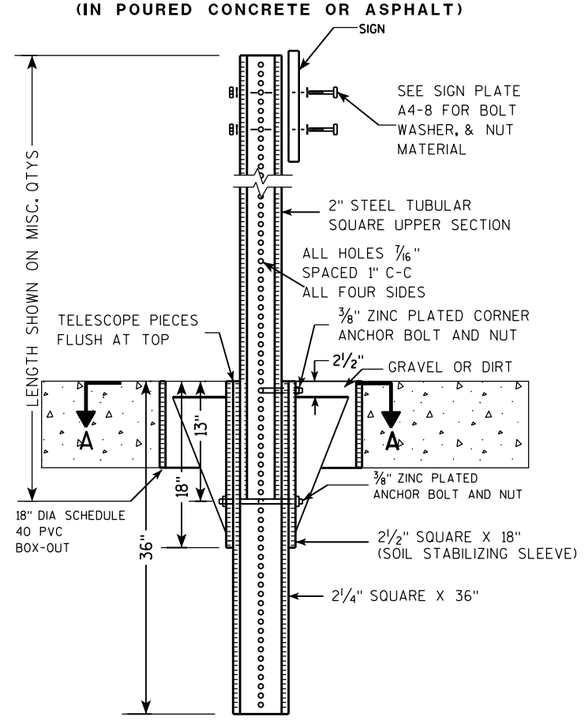
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



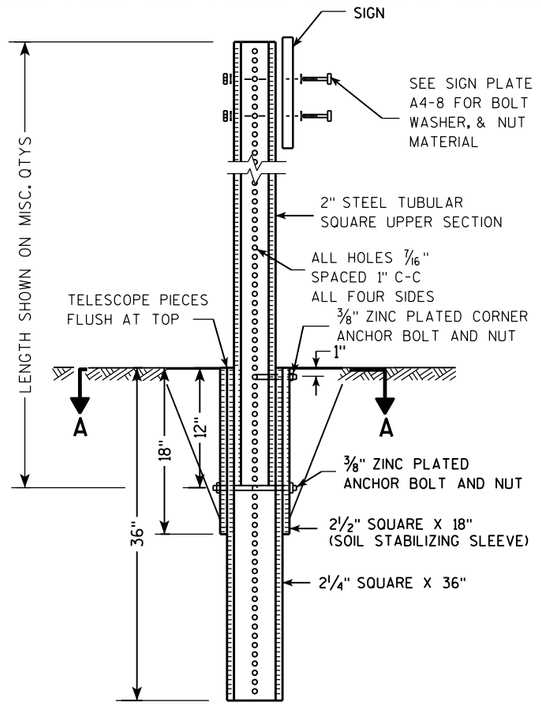
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

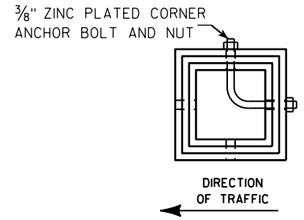


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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

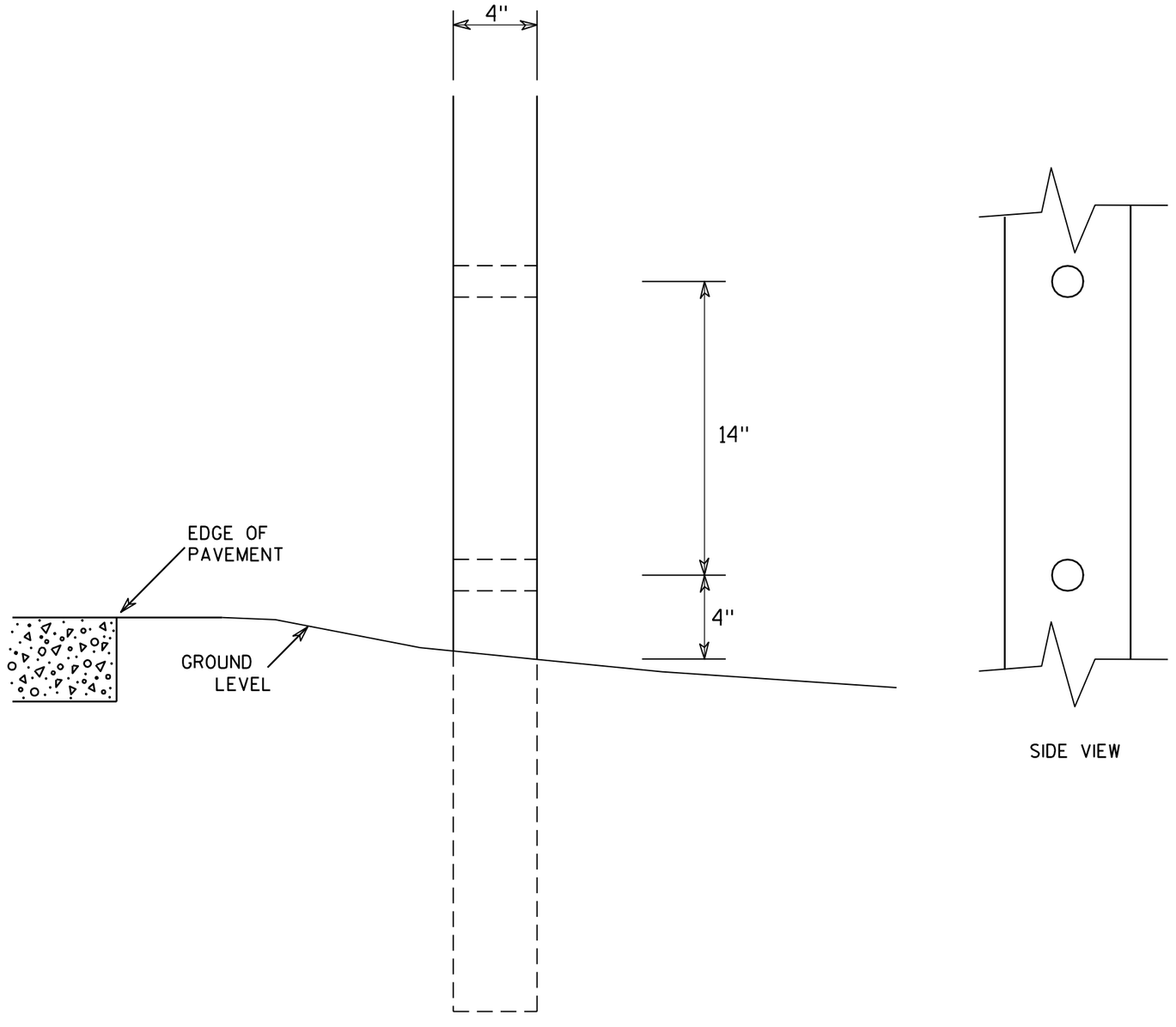
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 653 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

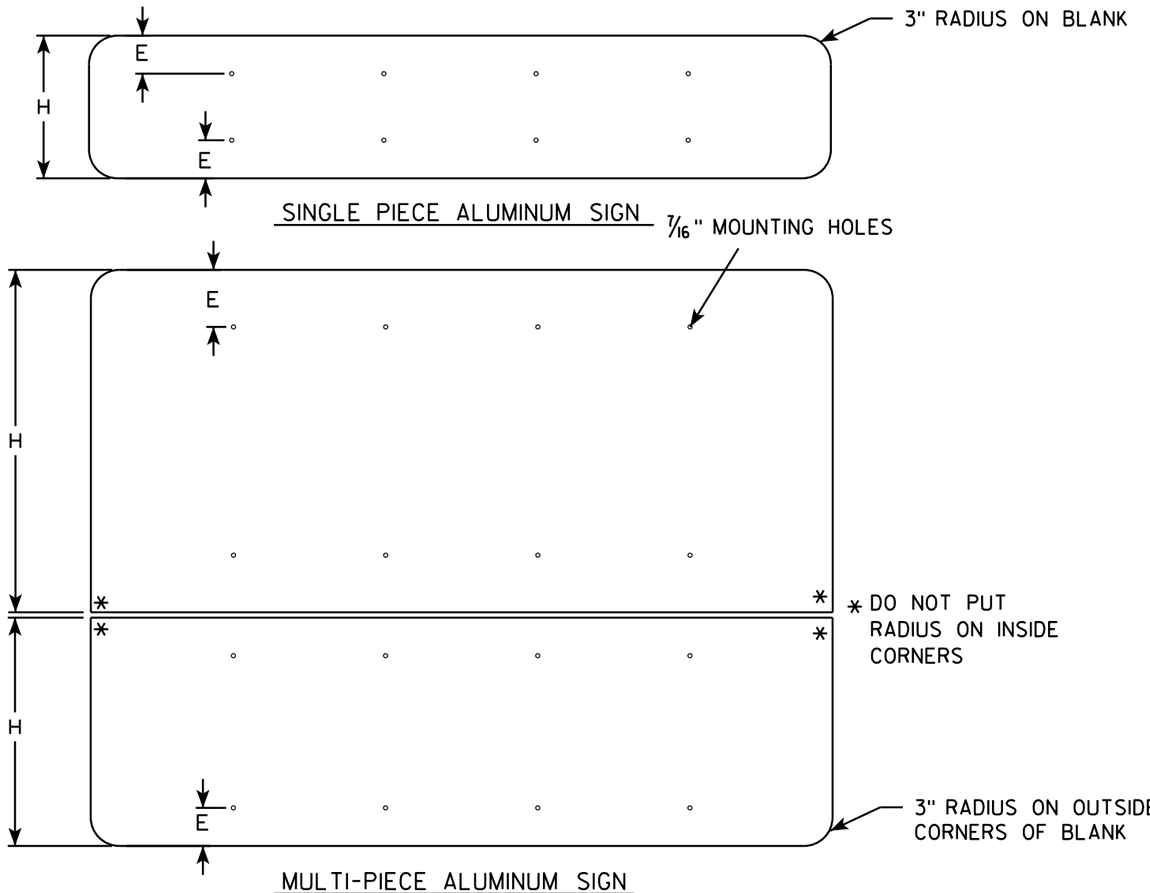
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

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

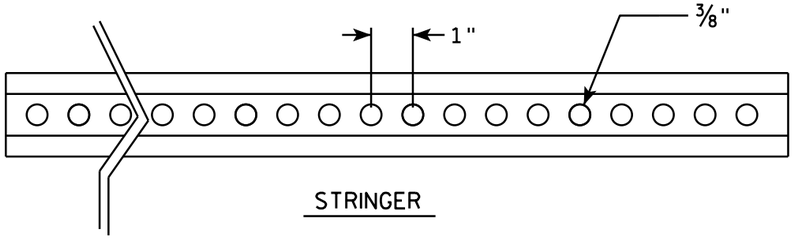
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 654	E



GENERAL NOTES

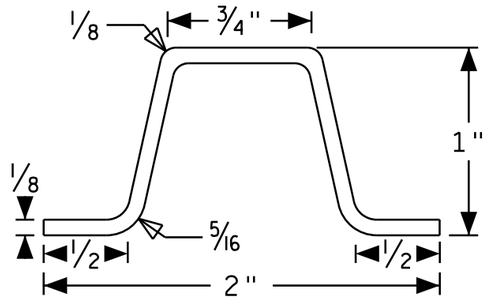
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"

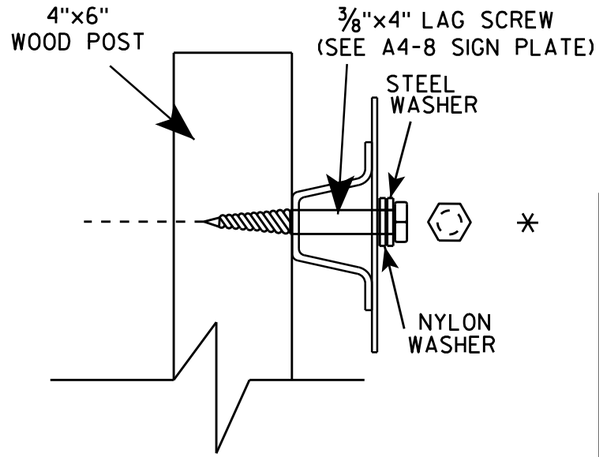


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

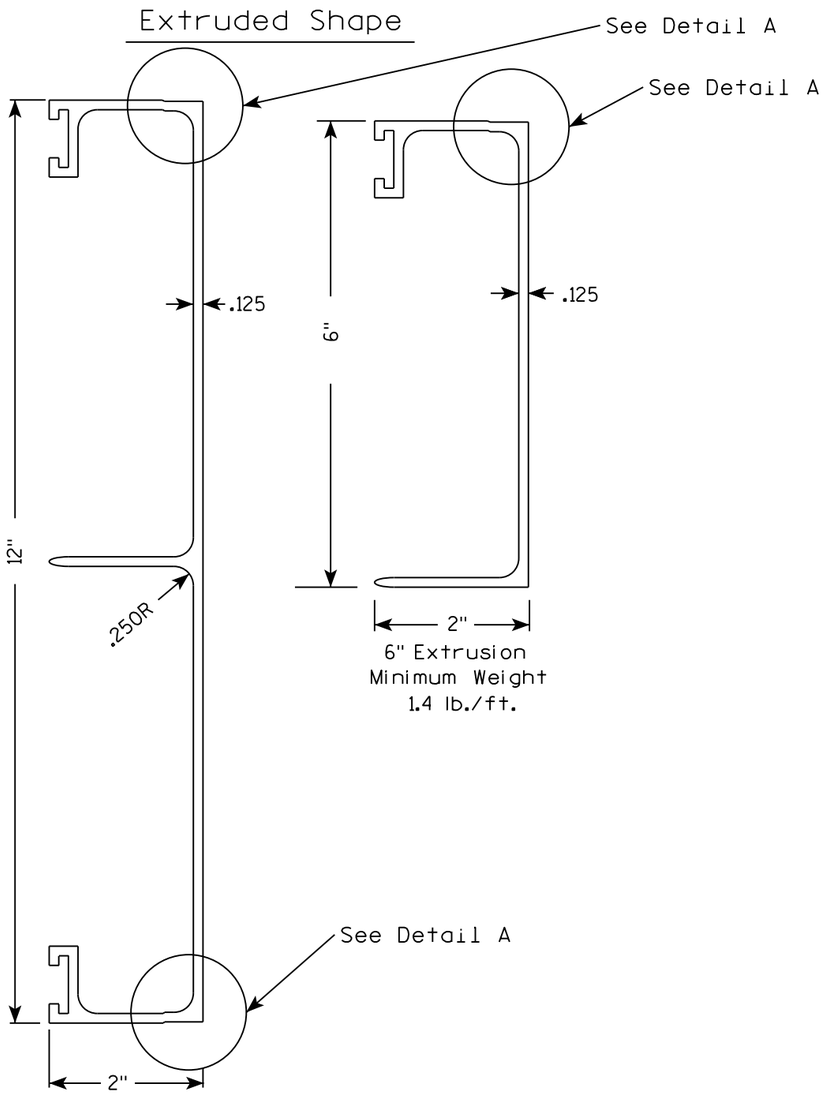
for State Traffic Engineer

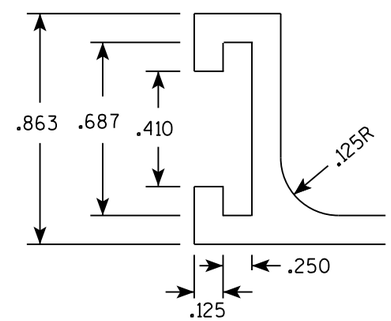
DATE 4/26/16 PLATE NO A4-18.1

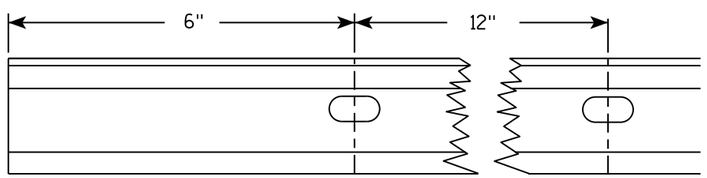
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000 WISDOT/CADDS SHEET 42

Extruded Shape







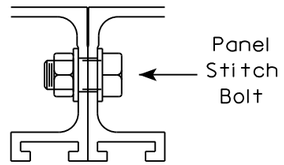
Punch 7/16" x 7/8" oval holes beginning 6" in from end of extrusion 12" CC on both edges of 6" and 12" panels.

Hardware

STITCH BOLT, WASHER & NUT

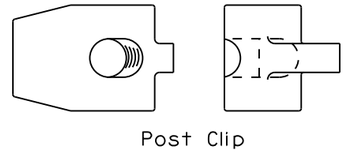
The hardware includes:

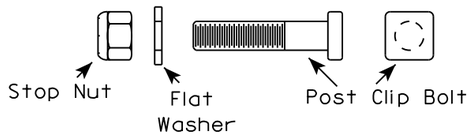
3/8 " - 16 X 3/4 " Economy Bolt 2024-T4 alloy
3/8 " - Stainless steel stop nut
3/8" X .064 Flat Washers, Alclad 2024-T4 alloy



POST CLIP, POST CLIP BOLT, WASHER & NUT

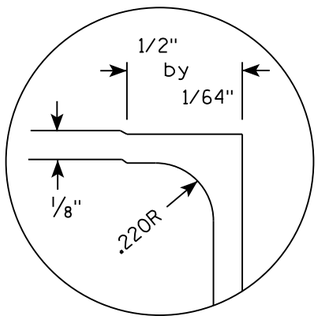
Post Clip shall be Alum. Alloy 356-T6
Post Clip Bolt shall be Stainless Steel.
Flat washer shall be 3/8" X .091, Stainless Steel.
Stop nut shall be stainless steel.





NOTES

1. The contractor may select any brand of extrusion that conforms to the illustrations or meets with the approval of the engineer, but all extrusions used on this contract shall be of the same brand.
2. Panel Stitch Bolts shall be used to assemble adjacent panels. Maximum stitch bolt spacing shall be 24" C-C, and a minimum of 4 bolts shall be used to connect any two extrusions.
3. Post Clips shall be used to attach the sign panel to the sign support.
4. Edge wrapping of sign sheeting required on all extrusions joints shown in Detail A.



DETAIL A (EDGE WRAP JOINT)

ALUMINUM EXTRUSIONS FOR TYPE I SIGNS

WISCONSIN DEPT OF TRANSPORTATION

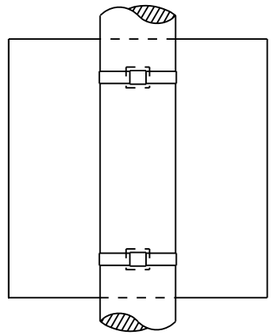
APPROVED Matthew R Rauch
for State Traffic Engineer

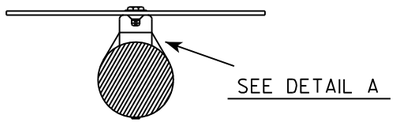
DATE 11/30/16 PLATE NO. A5-2.10

PROJECT NO:				SHEET NO: 656	E

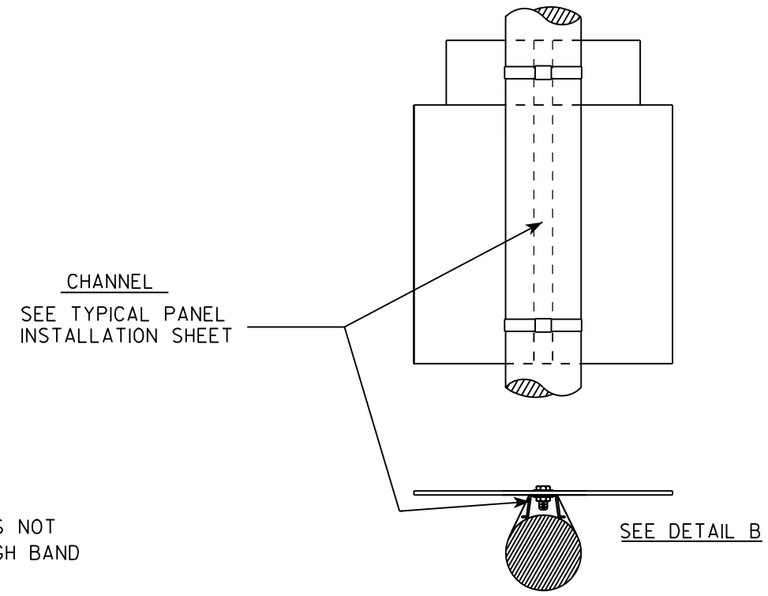
BANDING

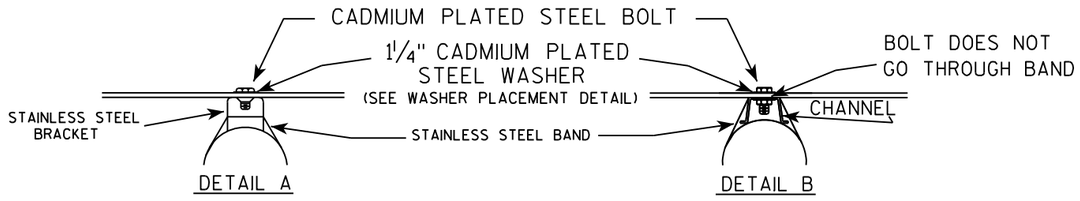
SINGLE SIGN



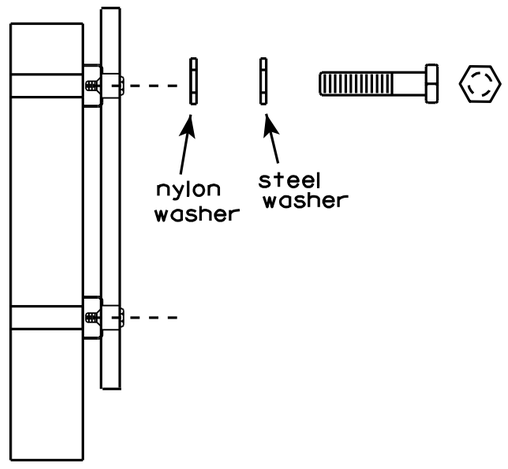


"J" ASSEMBLY





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.

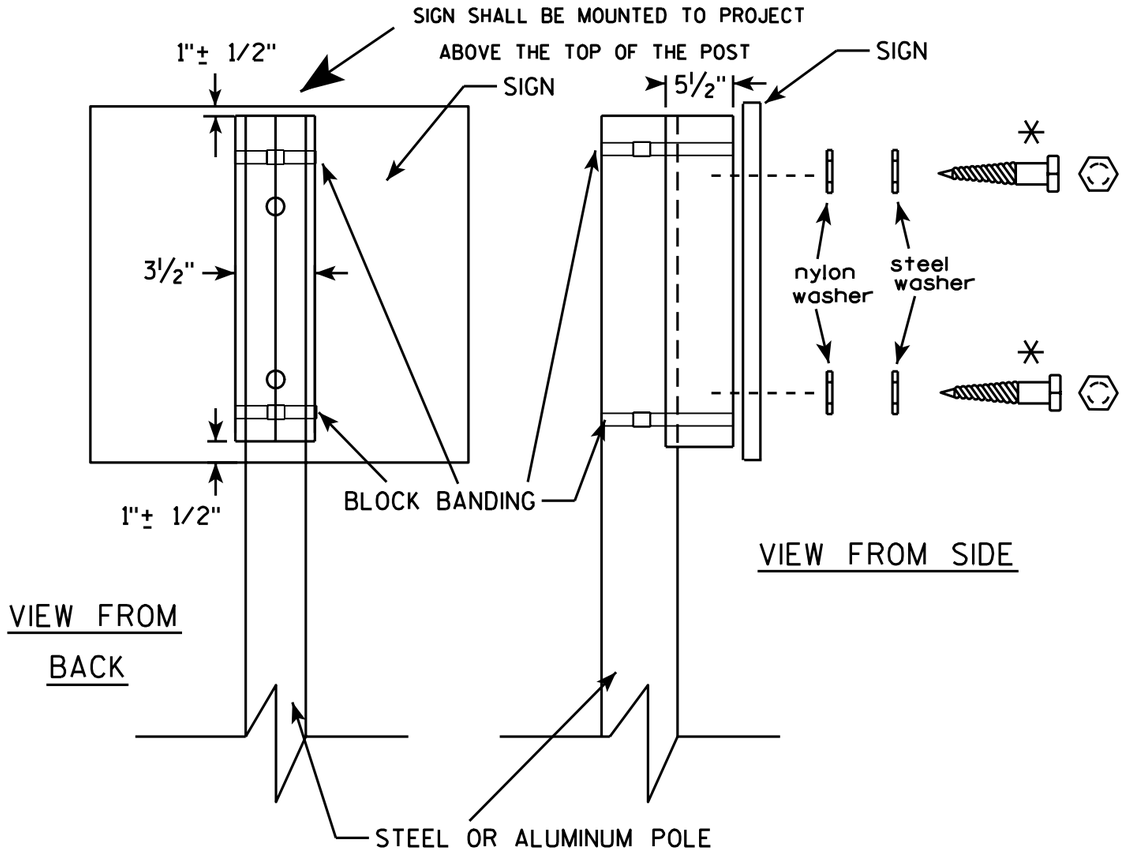
STANDARD SIGN
SIGN BANDING DETAILS

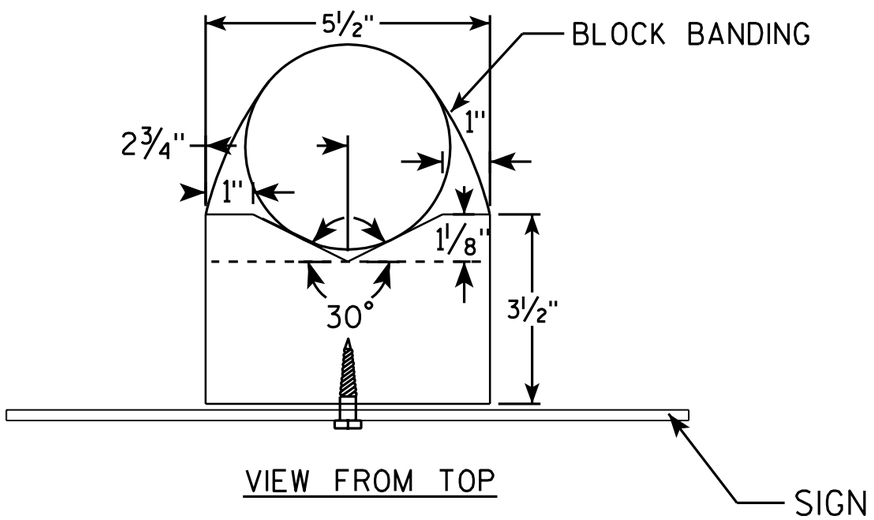
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/16/13 PLATE NO. A5-9.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 657	E





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, or
   b. Cadmium plated in accordance with ASTM Designation : B 766 TYPE 3, Class 12, or
   c. 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

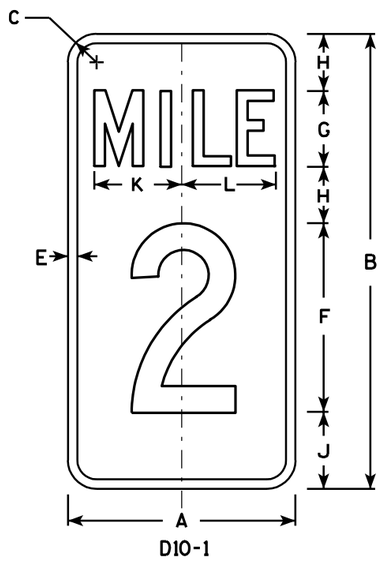
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/12/07 PLATE NO. A5-10.1

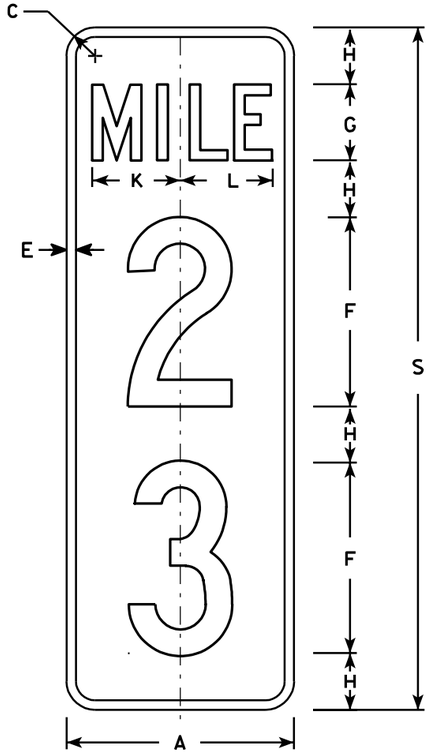
PROJECT NO: | SHEET NO: 658 | E

FILE NAME : C:\Users\Projects\tr_stdplate\A510.dgn PLOT DATE : 06-AUG-2007 13:37 PLOT BY : ditjph

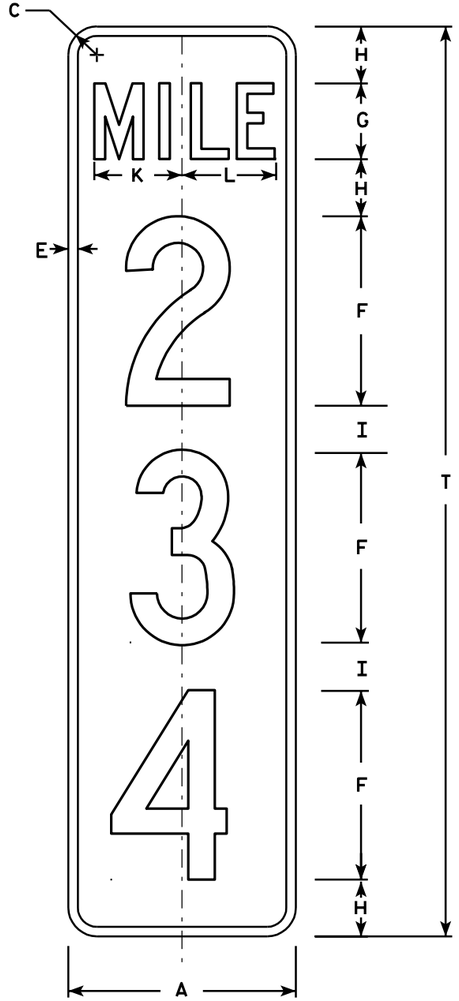
WISDOT/CADDS SHEET 42



D10-1



D10-2



D10-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green
   Message - White - Type H Reflective
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. Optically adjust numerals about the centerline of the sign to achieve proper balance.

Metric equivalent for this sign is:

PHY. SIZE	
12 X 24	300 mm X 600 mm
12 X 36	300 mm X 900 mm
12 X 48	300 mm X 1200 mm

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
1																										
2																										
3																										
4	12	24	1 ½		½	10	4	3	2 ½	4	4 ⅝	4 ⅞							36	48						
5	12	24	1 ½		½	10	4	3	2 ½	4	4 ⅝	4 ⅞							36	48						

D10-1	D10-2	D10-3
Area sq. ft.	Area sq. ft.	Area sq. ft.
2.0	3.0	4.0
Area m2	Area m2	Area m2
.19	.28	.38

STANDARD SIGN
D10-1 , D10-2 & D10-3

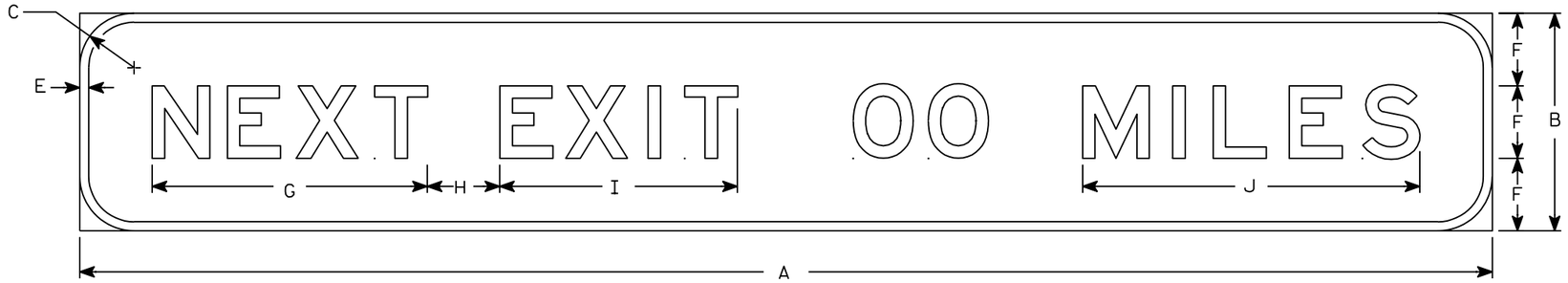
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for Director, Office of Traffic

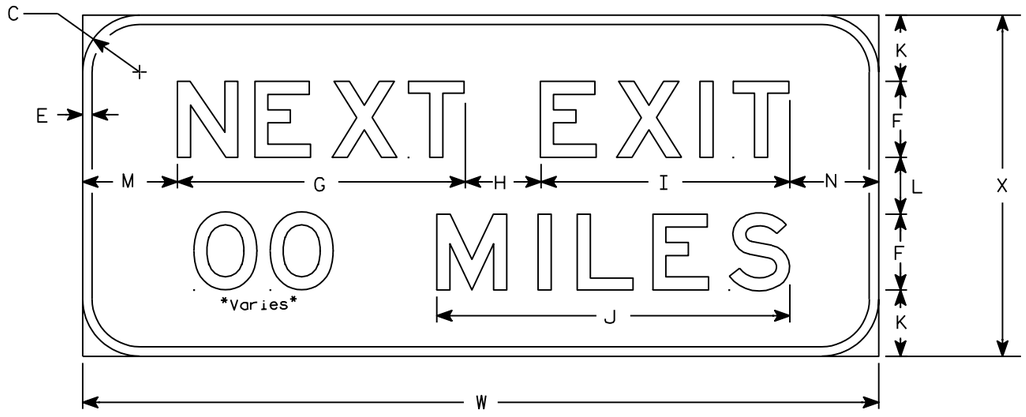
DATE 1/16/02 PLATE NO. D10-3.2

PROJECT NO:

SHEET NO: 659 E



E2-1



E2-1A

E2-1
Metric equivalent for this sign is:

SIZE	
1	
2	
3	
4	3900 mm X 600 mm
5	3900 mm X 600 mm

E2-1A
Metric equivalent for this sign is:

SIZE	
1	
2	
3	
4	2100 mm X 900 mm
5	2100 mm X 900 mm

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	E2-1 Area sq. ft.	E2-1A Area sq. ft.	E2-1 Area sq. m.	E2-1A Area sq. m.
1																												
2																												
3																												
4	156	24	6		1	8	30 3/8	8	26 1/4	37 1/4	7	6	10	9 3/8									84	36	26.0	21.0	2.42	1.95
5	156	24	6		1	8	30 3/8	8	26 1/4	37 1/4	7	6	10	9 3/8									84	36	26.0	21.0	2.42	1.95

NOTES

1. Sign is Type I - Type SH Reflective - reference WIS DOT Standard Specification for ROAD and BRIDGE CONSTRUCTION latest edition.
2. Color:
   Background - Green
   Message - White
3. Message Series - E
4. Substitute appropriate numerals and adjust spacing as required to achieve proper balance.

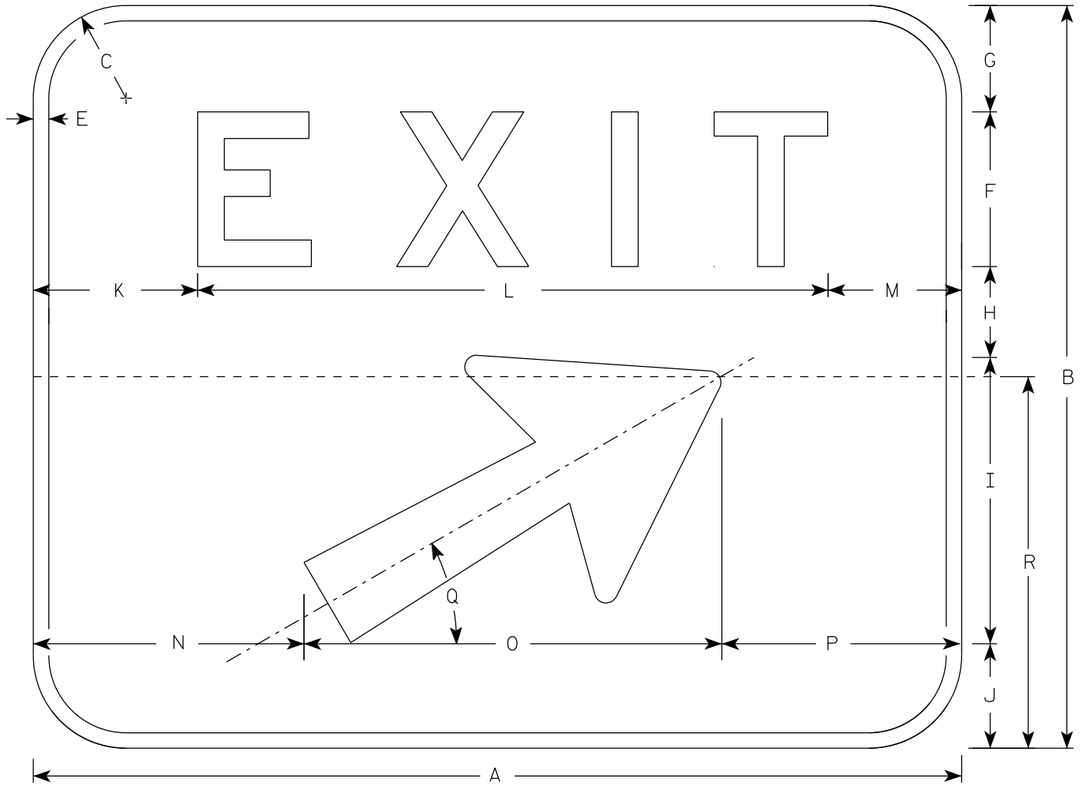
STANDARD SIGN
E2-1 & E2-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/8/08 PLATE NO. E2-1.5

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 660	E



E5-1

NOTES

1. Sign is Type II - Type H reflective
2. Color:
   Background - Green
   Message - White
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. When Base material for this sign is plywood sign shall be split into two seperate pieces for the 72 x 60 size as shown on the detail by the dashed line (----------).
6. Arrow is Type "A" from sign plate A1-1.
7. As per the Standard Spec's, this sign shall not have a vertical joint.
8. Size 3 E5-1 shall only be used in a Work Zone application with a Temporary Sign Support

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2																											
3	48	48	6		1	10	6 7/8	5 7/8	18 1/2	6 3/4	8 1/2	31 1/8	8 3/8	11 1/2	27	9 1/2	30°	30									16.0
4	60	48	6		1	10	6 7/8	5 7/8	18 1/2	6 3/4	10 5/8	40 3/4	8 5/8	17 1/2	27	15 1/2	30°	30									20.0
5	72	60	6		1	12	9 3/4	10	18 1/2	9 3/4	13 1/4	48 1/2	10 1/4	23 1/2	27	21 1/2	30°	30									30.0

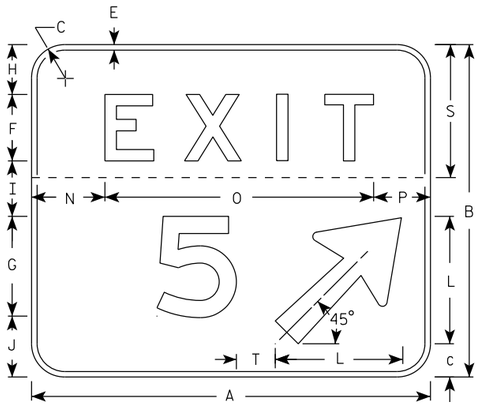
STANDARD SIGN
E5-1

WISCONSIN DEPT OF TRANSPORTATION

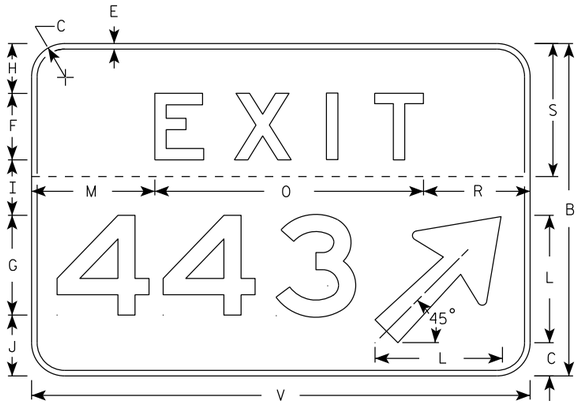
APPROVED Matthew R Rauch
for State Traffic Engineer

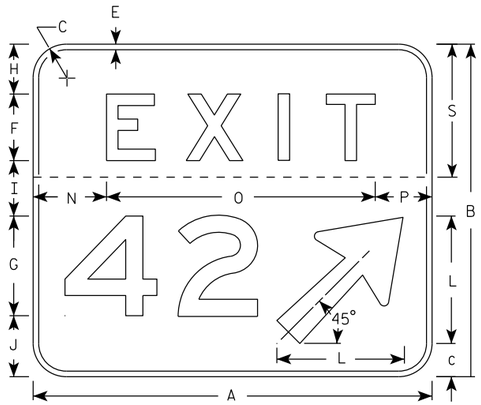
DATE 7/26/18 PLATE NO. E5-1.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 661 | E



NOTE: T diminision shall be measured from the back of the number to the front of the arrow





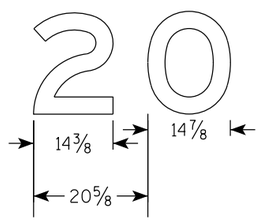
NOTES

1. Sign is Type II - Type H reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E
4. Corners may be square or rounded but the corners shall be rounded when base material is metal.
5. Sign shall be split into two seperate pieces as shown on each detail by the dashed line (_ _ _ _ _ _ _ _ _ _).
6. Arrow is Type "A" from sign plate A1-1.
7. Substitute appropriate message, space per the table and adjust placement on sign to achieve proper balance.
8. As per the Standard Spec's, these signs shall not have a vertical joint.

SPACING CHART FOR 18" NUMERALS

NUMBERS	WIDTH	0	1	2	3	4	5	6	7	8	9	A	B	C
0	14 7/8	21 5/8	21 5/8	21 1/4	20 3/8	21 1/4	21 1/4	21 5/8	19 7/8	22 1/8	21 5/8			
1	5 7/8	14	14	14	13 1/8	12 1/8	14	14	12 1/4	14	14			
2	14 3/8	20 5/8	21 1/8	20 5/8	19 3/4	20 1/4	20 5/8	20 5/8	18 7/8	21 1/8	20 5/8			
3	14 3/8	20 3/4	21 1/8	20 3/4	20 1/4	19 3/4	20 3/4	20 3/4	19 3/8	21 1/8	20 3/4			
4	16 5/8	22 7/8	22	22 1/2	21 5/8	21 5/8	22 7/8	22 7/8	20 5/8	23 3/8	22 7/8			
5	14 1/4	20 5/8	20 5/8	20 1/8	18 3/4	18 3/4	20 5/8	20 5/8	18 3/8	20 5/8	20 5/8			
6	14 1/2	21 1/4	20 3/4	20 3/4	19 7/8	19 1/2	20 3/8	20 3/4	19	20 3/4	20 3/8			
7	14 3/8	19 3/4	19 3/4	20 1/4	19 3/4	17	19 3/4	20 5/8	18 7/8	20 5/8	19 3/4			
8	14 1/4	21 1/2	21 1/2	20 5/8	19 1/4	19 3/4	20 5/8	21 1/2	19 5/8	21 1/2	20 5/8			
9	14 1/2	21 1/4	21 1/4	20 7/8	20	20 7/8	20 7/8	21 1/4	19 1/2	21 3/4	21 1/4			
A	18	19 3/4	19 3/4	20 1/4	19 3/4	17	19 3/4	20 5/8	18 7/8	20 5/8	19 3/4	21 5/8	23 7/8	23
B	14 1/4	21 1/2	21 1/2	20 5/8	19 1/4	19 3/4	20 5/8	21 1/2	19 5/8	21 1/2	20 5/8	19 1/2	22 3/8	21 1/2
C	14 1/4	21 1/4	21 1/4	20 7/8	20	20 7/8	20 7/8	21 1/4	19 1/2	21 3/4	21 1/4	18 3/8	21	19 3/4

EXAMPLE FOR USING SPACING CHART



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
2																										
3																										
4																										
5	72	60	6		1	12	18	9	10	11	8 7/8	23	22 1/4	13 1/4	48 1/2	10 1/4		19 1/4	24	7		90		96	7 1/2	

1-2 Digit Bid Area	3 Digit Bid Area
Sq. Ft.	
30	37.5

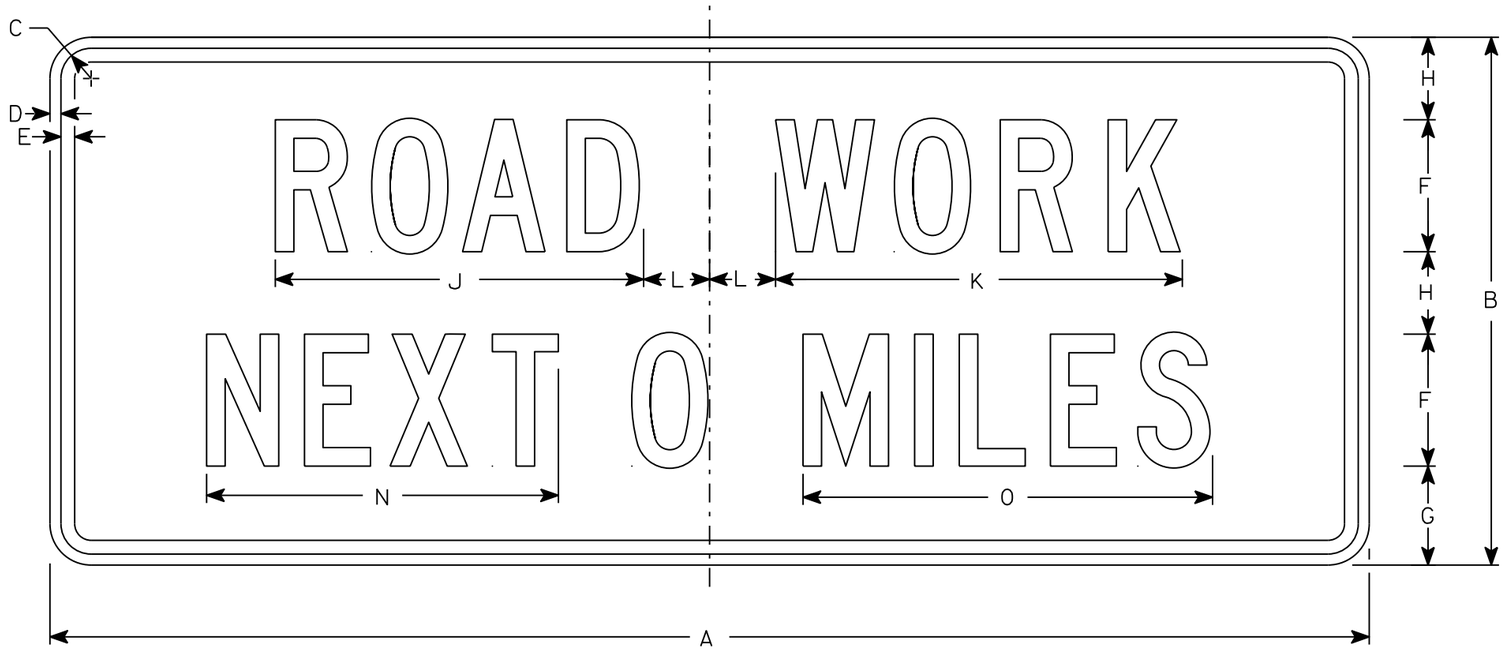
STANDARD SIGN
E5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/12/18 PLATE NO. E5-1A.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 662 | E



G20-1

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Round distance to nearest whole Mile and substitute appropriate numerals and optically adjust spacing to achieve proper balance

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4		16 3/4	18 1/2	3		16	18 5/8												10
3																											
4	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4		16 3/4	18 1/2	3		16	18 5/8												10
5																											

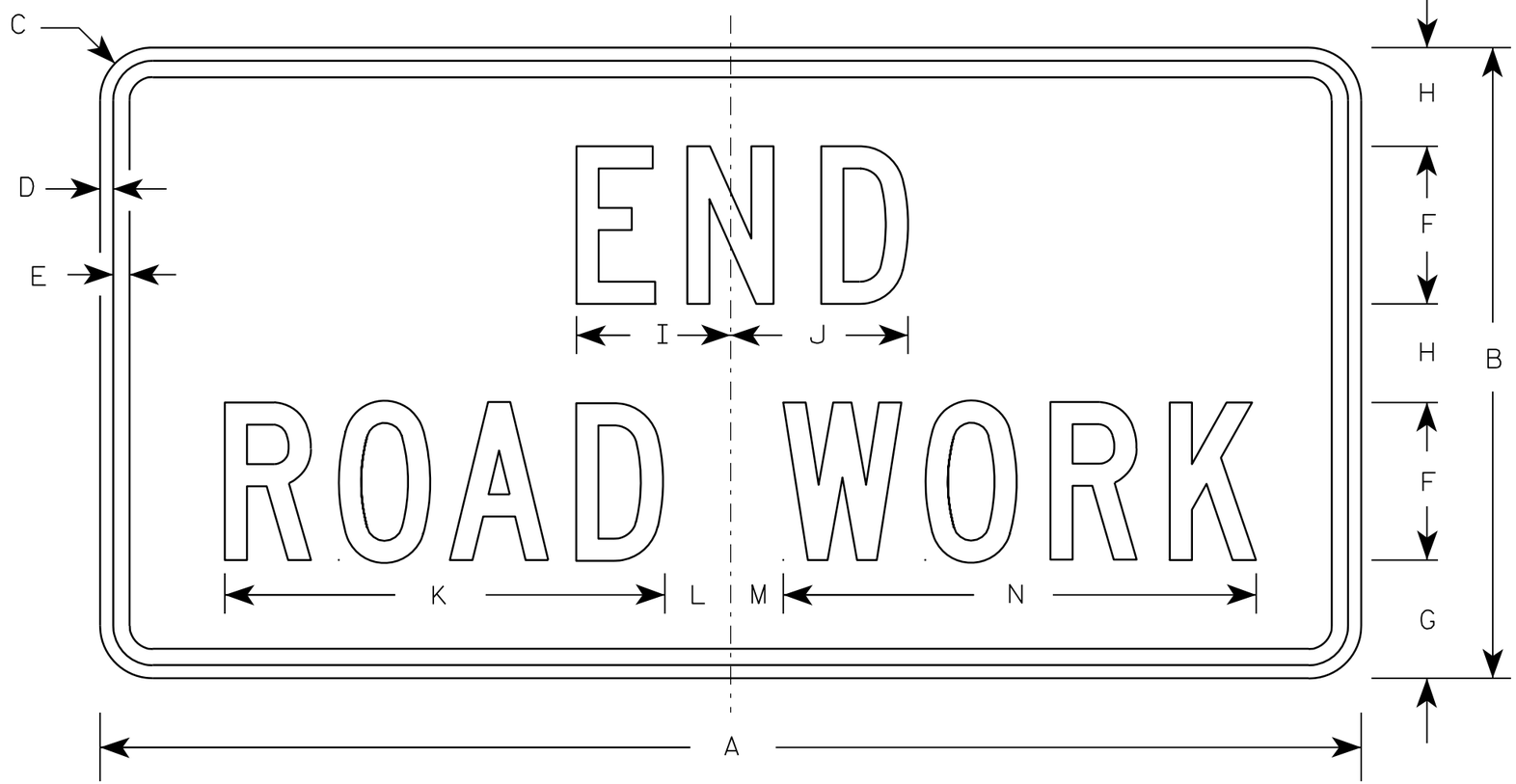
STANDARD SIGN
G20-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/14/17 PLATE NO. G20-1.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 663 | E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - 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.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

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.	Area m2
1	36	18	1 1/8	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	0.41
2	48	24	1 1/2	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	0.72
3	48	24	1 1/2	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	0.72
4	48	24	1 1/2	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	0.72
5	48	24	1 1/2	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	0.72

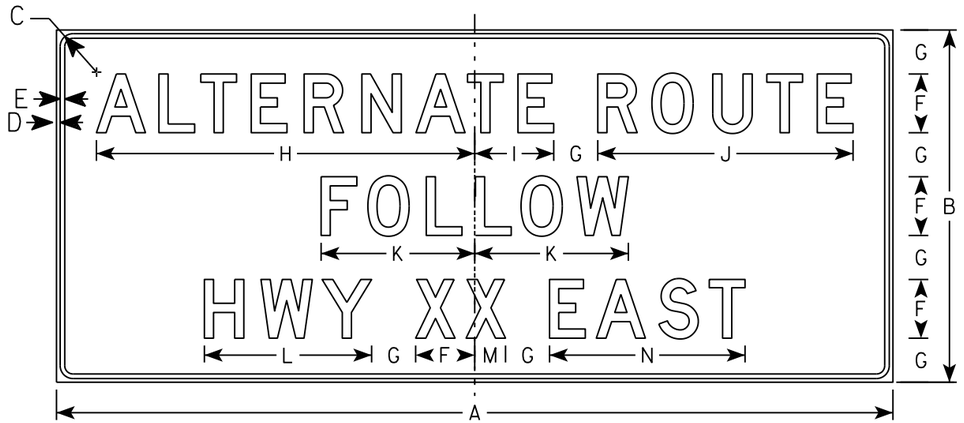
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

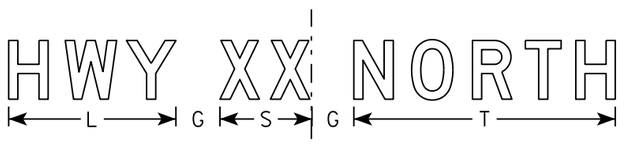
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 664	E



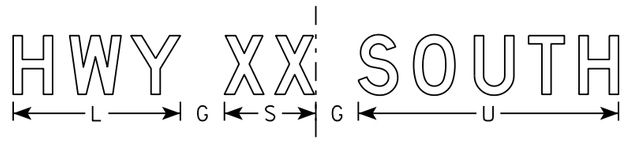
G20-52



G20-52A



G20-53



G20-53A

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Substitute appropriate numeral and adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2																											
3																											
4	114	48	2 1/4	1/2	5/8	8	6	51 1/2	10 3/4	34 3/4	20 7/8	22 3/4	4 1/4	26 5/8	8 3/4	3 1/2		28 1/8	12 1/2	35 5/8	35 1/2						34.5
5																											

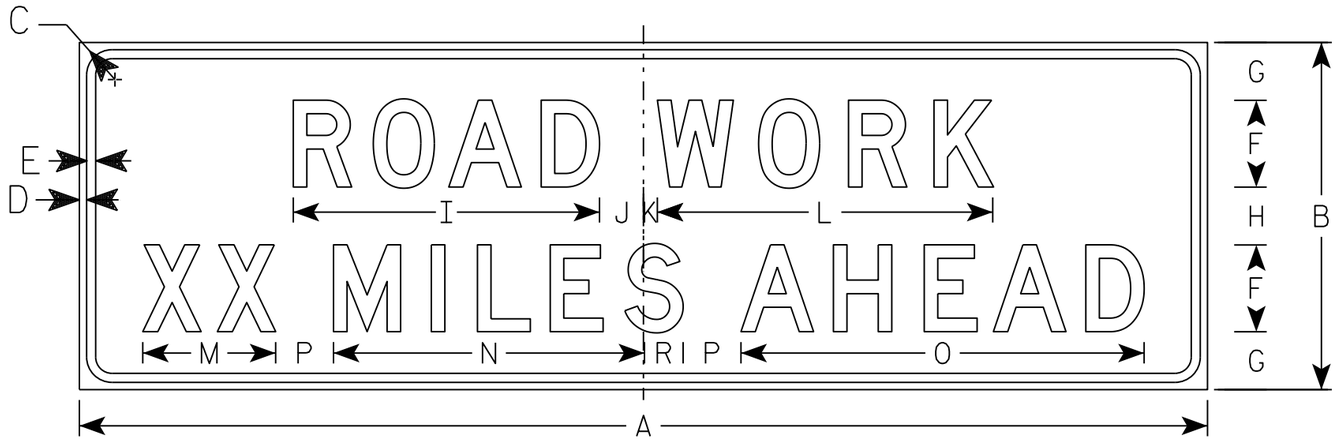
STANDARD SIGN
G20-52 & G20-53

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/18 PLATE NO. G20-52.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 665 | E



G20-55

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal the corners and borders shall be rounded.
5. Round distance to nearest whole Mile and substitute appropriate numeral and adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	78	24	1 1/8	3/8	1/2	6	4	4	21 1/8	3	1	23 1/4	9 1/4	21 1/2	27 7/8	4		2 5/8									13.0
3	78	24	1 1/8	3/8	1/2	6	4	4	21 1/8	3	1	23 1/2	9 1/4	21 1/2	27 7/8	4		2 5/8									13.0
4	102	30	2 1/4	1/2	5/8	8	4 1/2	5	28 1/4	4 3/8	1 5/8	31	12 1/4	28 5/8	37 1/8	6		3 5/8									21.25
5	132	36	3	3/4	1	10	5	6	35 1/4	6 1/4	2 3/4	38 3/4	15 3/8	35 3/4	46 1/2	9		4 5/8									33.0

STANDARD SIGN
G20-55

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/19/18 PLATE NO. G20-55.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 666 | E

NOTES

1. Sign is Type II- Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - E
4. Material shall be .040 aluminmum



G20-60

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2																											
3																											
4	108	24				12	6	14 7/8	78 1/4																		18.0
5																											

STANDARD SIGN
G20-60

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/15 PLATE NO G20-60.1

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\G2060.DGN PLOT DATE : 13-MAY-2015 08:46 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 20.431338:1.000000
WISDOT/CADDS SHEET 42

7

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - E



G20-61

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2																											
3																											
4	120	30	6		2	12	9	21	78 1/4	20 3/4																	25.0
5																											

STANDARD SIGN
G20-61

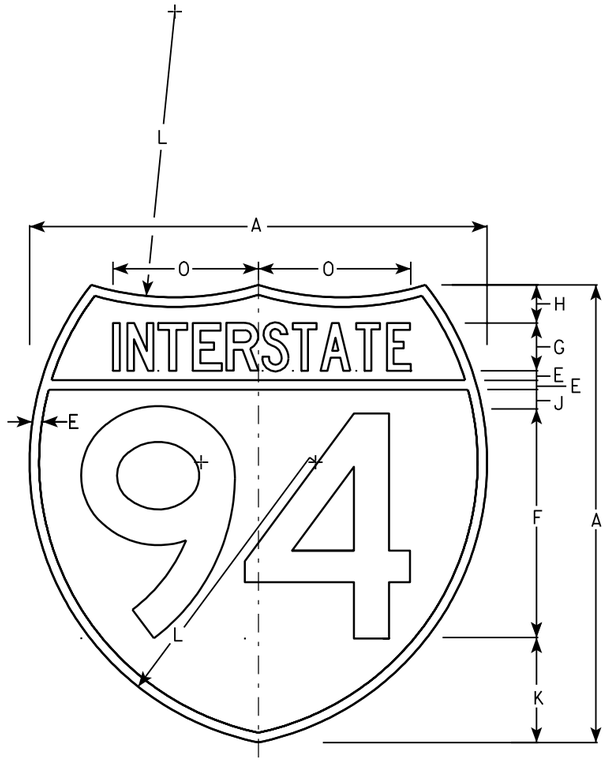
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

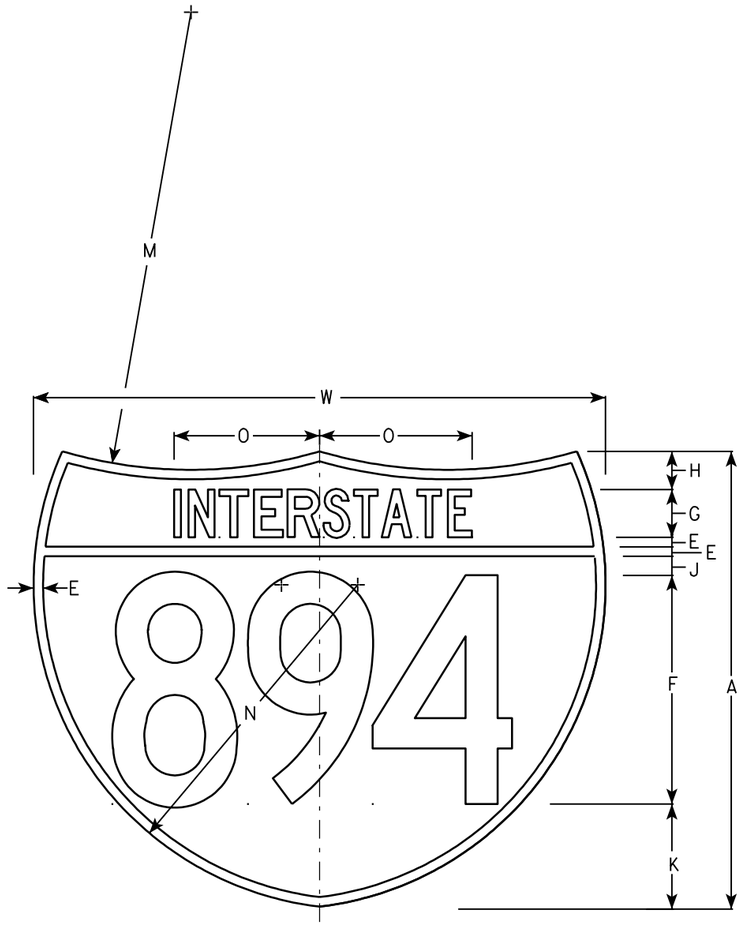
DATE 5/07/15 PLATE NO G20-61.1

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

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\G2061.DGN PLOT DATE : 07-MAY-2015 13:47 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 20.431338:1.000000 WISDOT/CADDS SHEET 42



M1-1



M1-1A

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Top Red - Bottom Blue (See Note 6)
   Message - White - See Note 6
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
6. Permanent Signs
   Message - Type H Reflective
   Detour or other temporary signs
   Background - Reflective
   Message - Reflective

Metric equivalent for these signs are:

SIZE	M1-1	SIZE	M1-1A
1			
2	600 mm X 600 mm	2	600 mm X 750 mm
3	900 mm X 900 mm	3	900 mm X 1125 mm
4	900 mm X 900 mm	4	900 mm X 1125 mm
5	900 mm X 900 mm	5	900 mm X 1125 mm

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.	M1-1 Area m2	M1-1A Area m2
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	.36	.46
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	.81	1.05
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	.81	1.05
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	.81	1.05

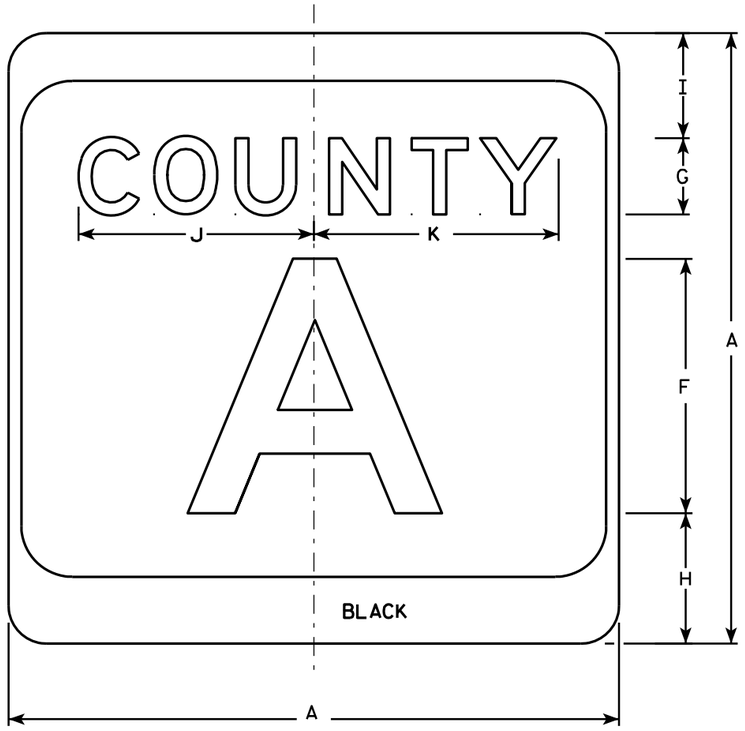
INTERSTATE ROUTE MARKER
M1-1 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

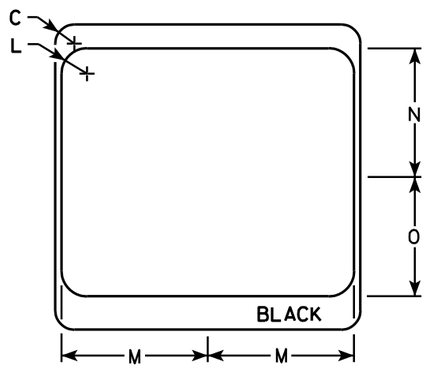
APPROVED Matthew R Rauch
for State Traffic Engineer

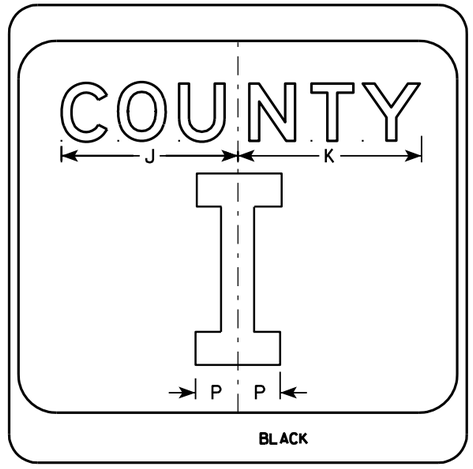
DATE 08/23/05 PLATE NO. M1-1.8

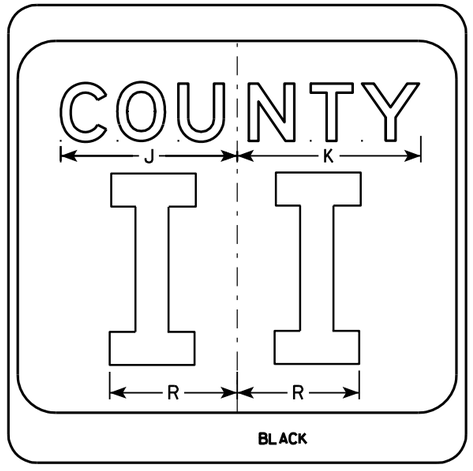
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 669	E



M1-5A







NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   Message - Black
3. Message Series - see Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

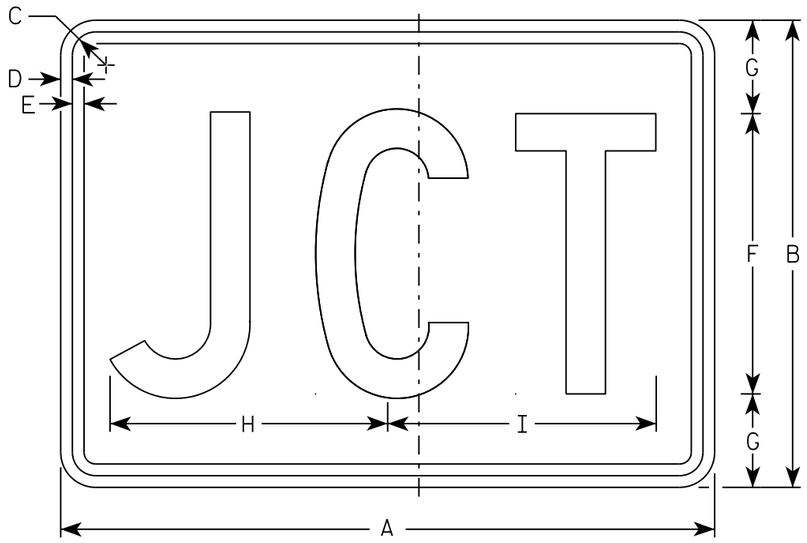
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

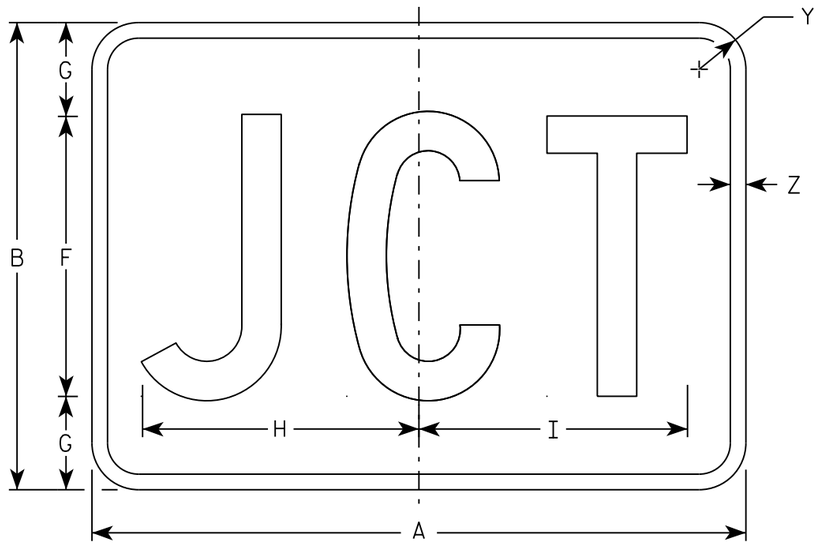
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 670 | E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40

STANDARD SIGN
M2-1

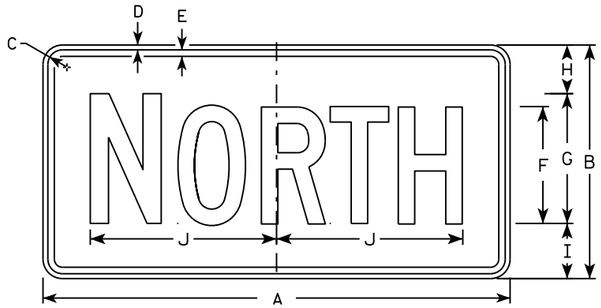
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

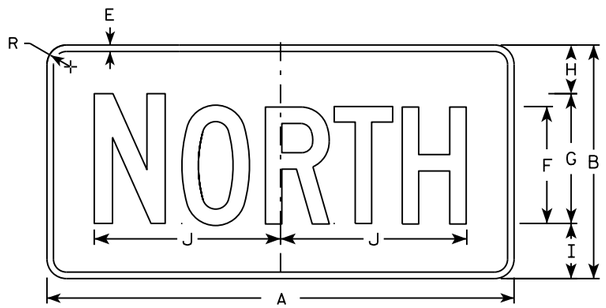
DATE 10/15/15 PLATE 671 12-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M21.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.864603:1.000000



M3-1
MM3-1
MP3-1



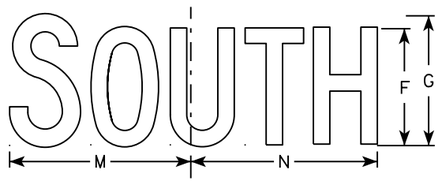
MB3-1
MK3-1
MN3-1



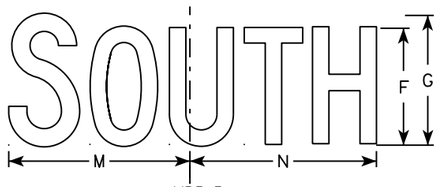
M3-2
MM3-2
MP3-2



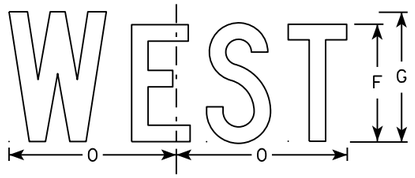
MB3-2
MK3-2
MN3-2



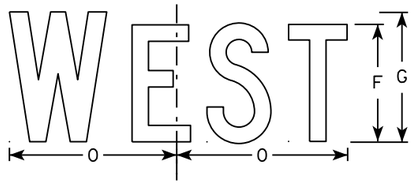
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

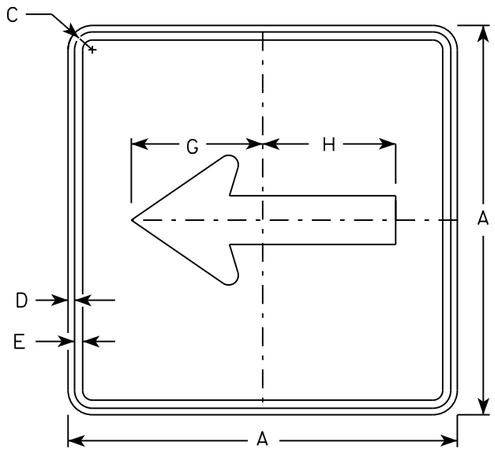
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

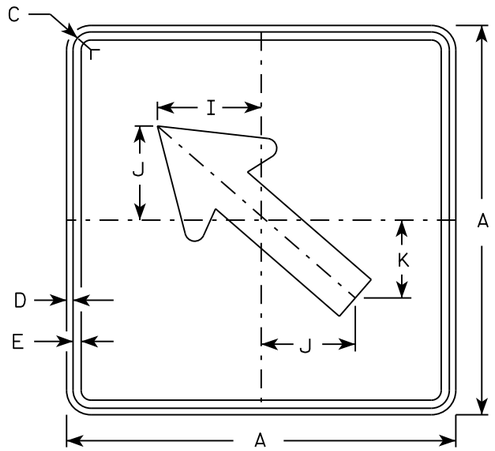
DATE 10/15/15 PLATE NO M3-1.14

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



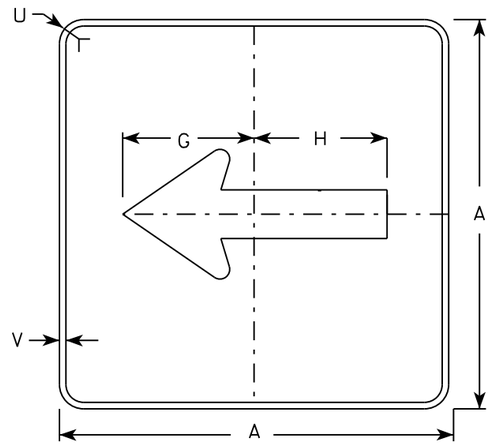
M6-1
MM6-1
MO6-1
MP6-1



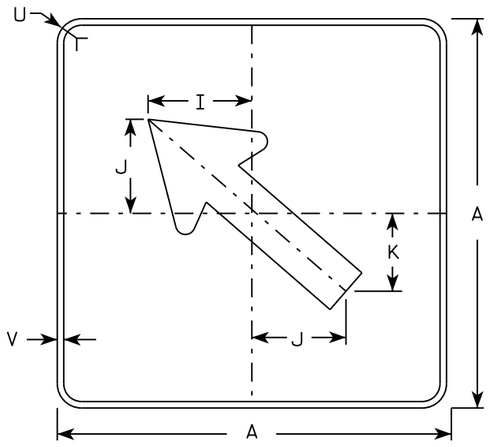
M6-2
MM6-2
MO6-2
MP6-2

NOTES

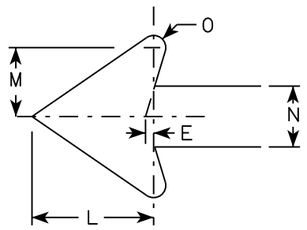
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

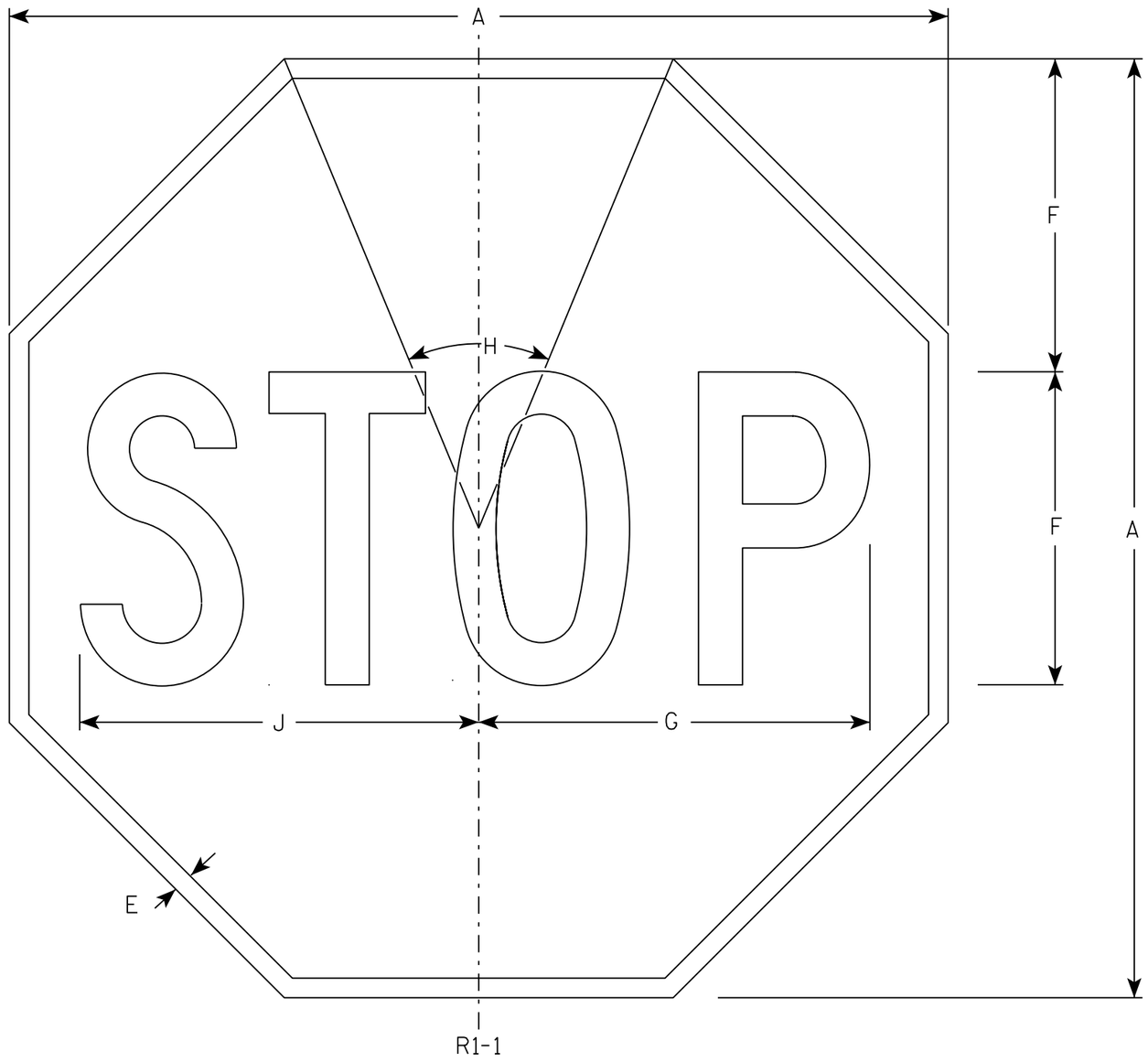
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 673 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

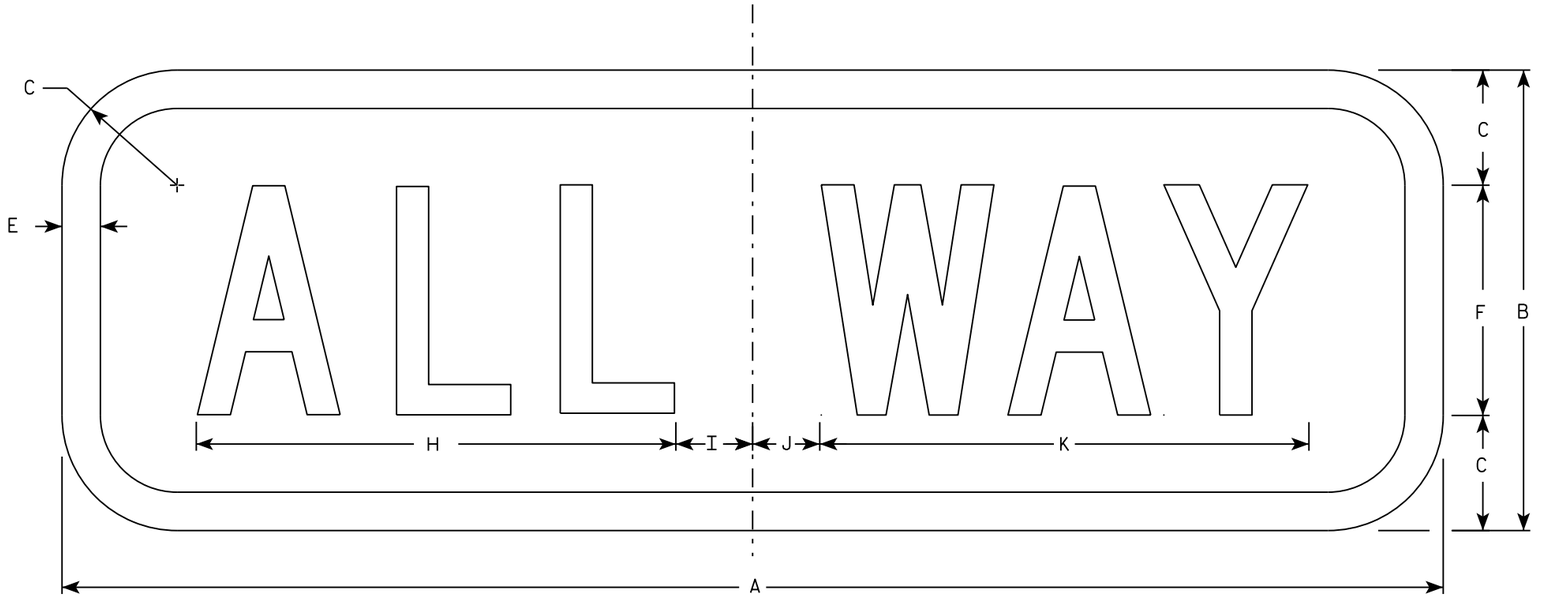
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 674	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. For 30"x30" R1-1 use 18"x6" R1-3P sign
   For 36"x36" R1-1 use 24"x9" R1-3P sign
   For 48"x48" R1-1 use 30"x12" R1-3P sign



R1-3P

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	6	1 ½		½	3		6 ¼	1 ¼	⅞	6 ⅜																0.75
2S	18	6	1 ½		½	3		6 ¼	1 ¼	⅞	6 ⅜																1.5
2M	24	9	1 ½		½	5		9 ¼	1 ¼	¾	9 ¾																1.5
3	24	9	1 ½		½	5		9 ¼	1 ¼	¾	9 ¾																1.5
4	30	12	2 ¼		⅝	6		11	2 ¼	1 ½	11 ¾																2.5
5	30	12	2 ¼		⅝	6		11	2 ¼	1 ½	11 ¾																2.5

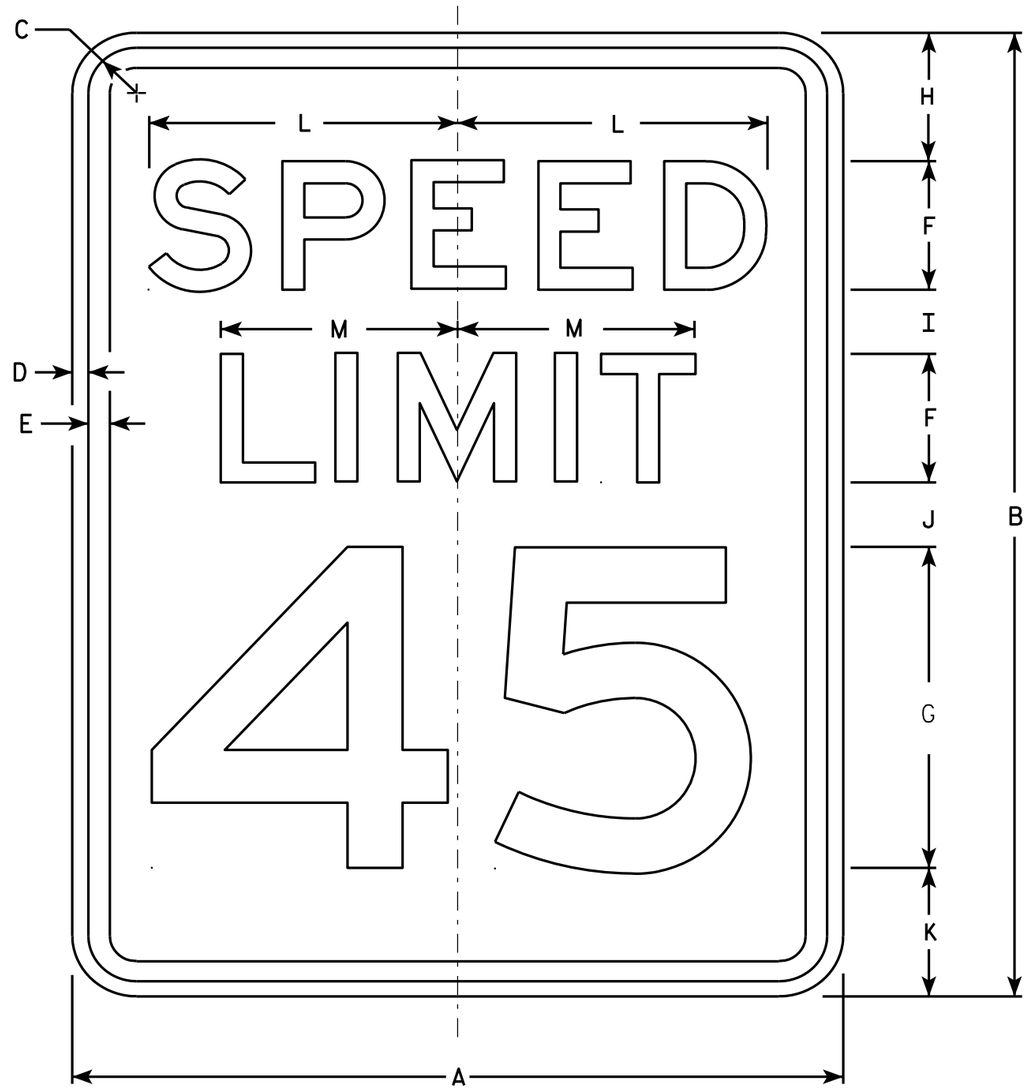
STANDARD SIGN
R1-3P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/29/16 PLATE NO. R1-3P.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 675 | E



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

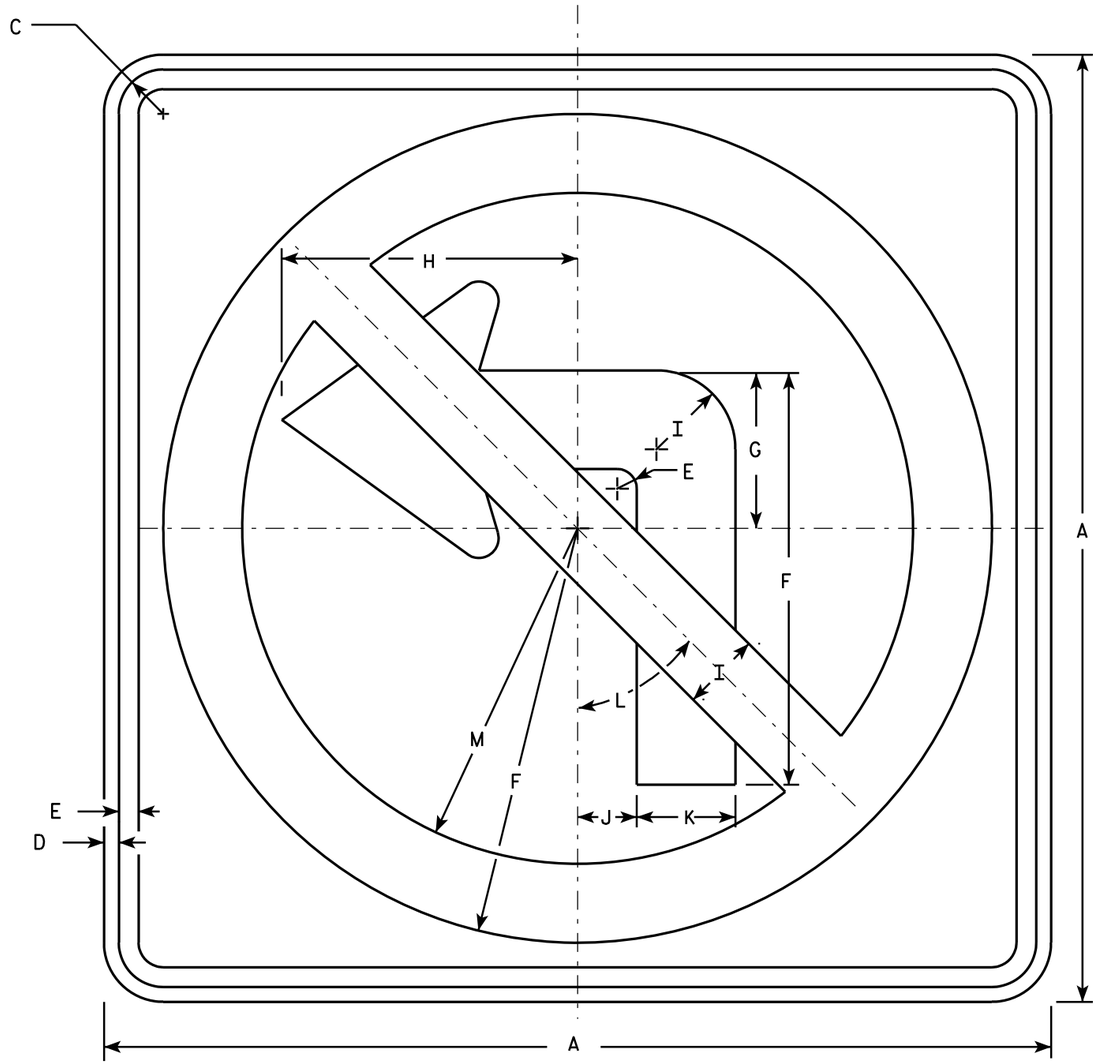
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

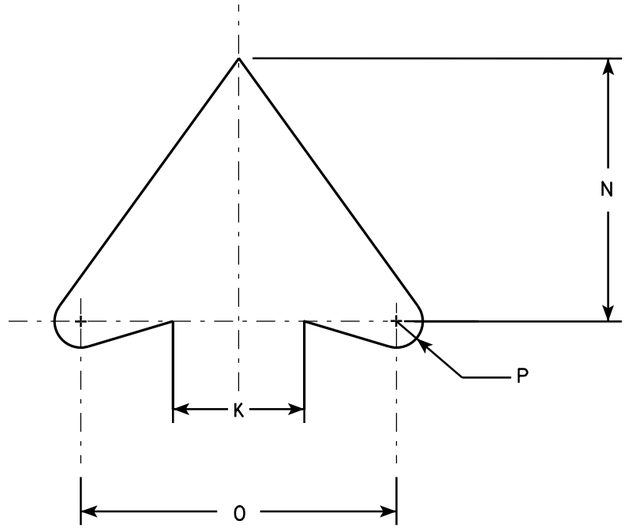
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 676	E



R3-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

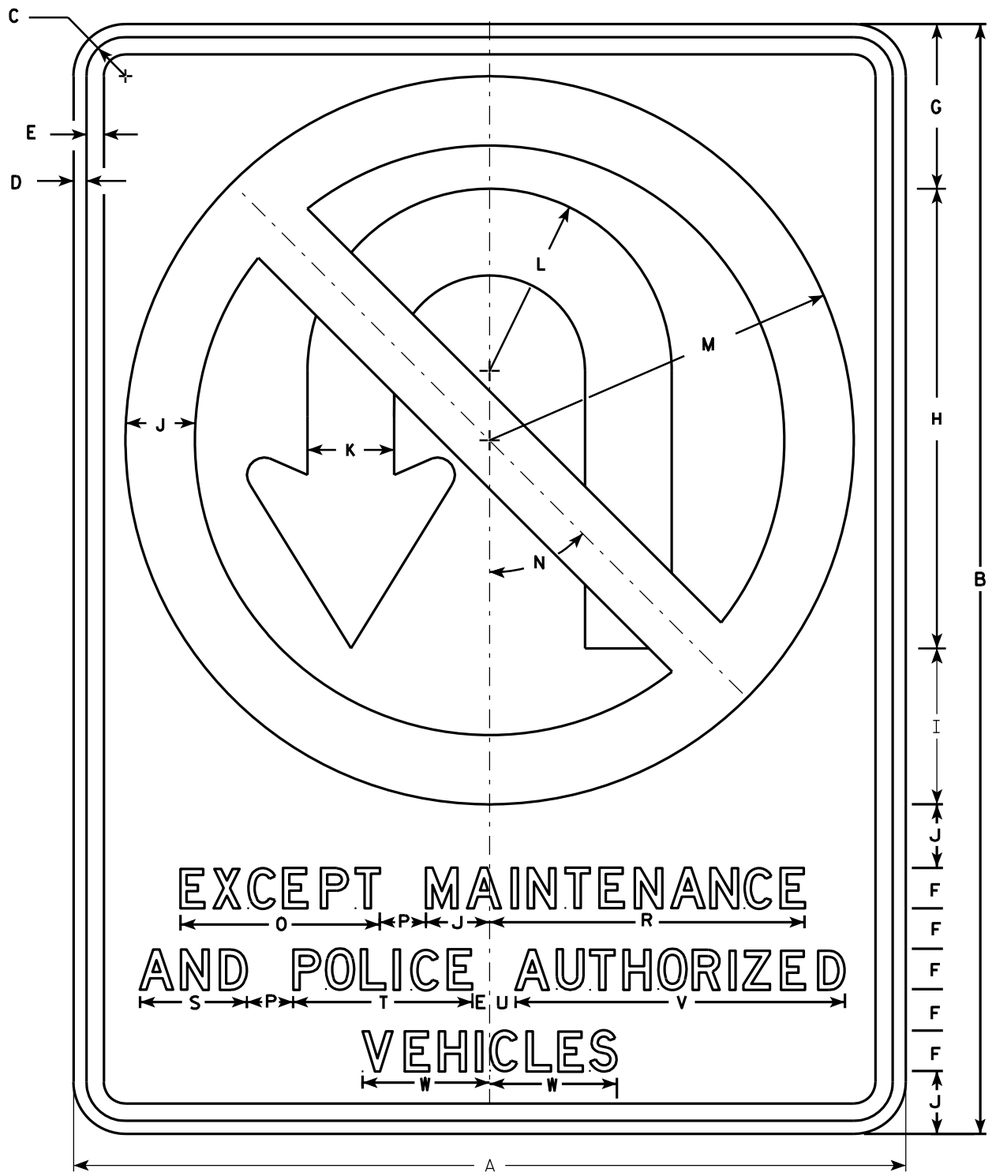
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

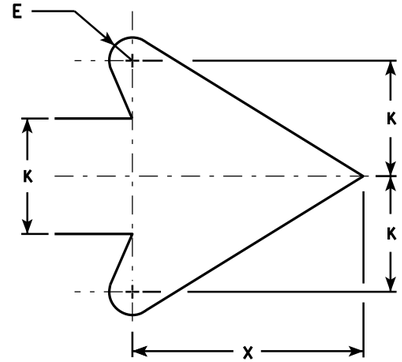
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 677	E



R3-4B

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S																											
2M																											
3																											
4	36	48	1 5/8	5/8	3/4	1 3/4	7 1/8	19 7/8	6 3/4	2 3/4	3 3/4	7 7/8	15 3/4	45°	8 5/8	2		13 5/8	4 5/8	7 3/4	1 1/8	14 1/4	5 1/2	7 5/8			12.0
5	36	48	1 5/8	5/8	3/4	1 3/4	7 1/8	19 7/8	6 3/4	2 3/4	3 3/4	7 7/8	15 3/4	45°	8 5/8	2		13 5/8	4 5/8	7 3/4	1 1/8	14 1/4	5 1/2	7 5/8			12.0

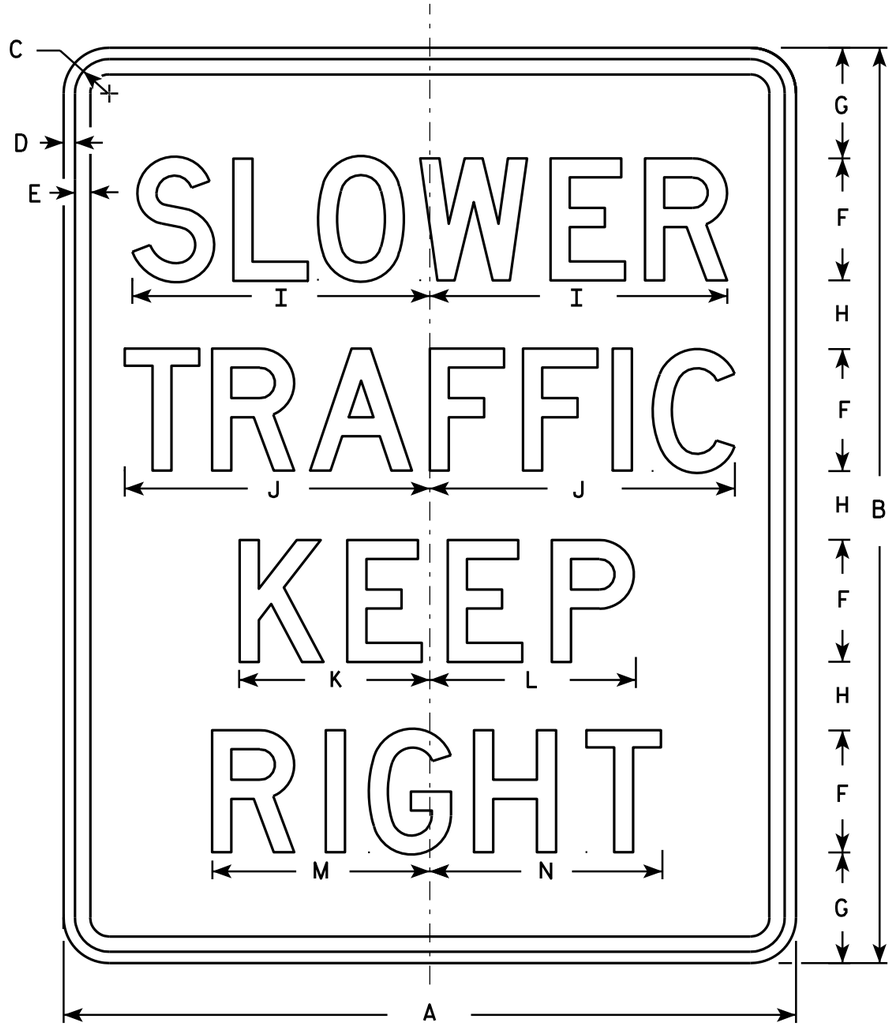
STANDARD SIGN
R3-4B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/17/2011 PLATE NO. R3-4B.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 678	E



R4-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	30	1 1/8	3/8	1/2	4	3 5/8	2 1/4	9 3/4	10	6 1/4	6 3/4	7 1/8	7 5/8													5.0
2M	24	30	1 1/8	3/8	1/2	4	3 5/8	2 1/4	9 3/4	10	6 1/4	6 3/4	7 1/8	7 5/8													5.0
3	36	48	1 5/8	5/8	3/4	6	6	4	14 5/8	15	9 3/8	10	10 3/4	11 3/8													12.0
4	36	48	1 5/8	5/8	3/4	6	6	4	14 5/8	15	9 3/8	10	10 3/4	11 3/8													12.0
5	48	60	2 1/4	3/4	1	8	7 1/4	4 1/2	19 1/2	20	12 1/2	13 1/2	14 1/4	15 1/4													20.0

STANDARD SIGN
R4-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-3.8

PROJECT NO:

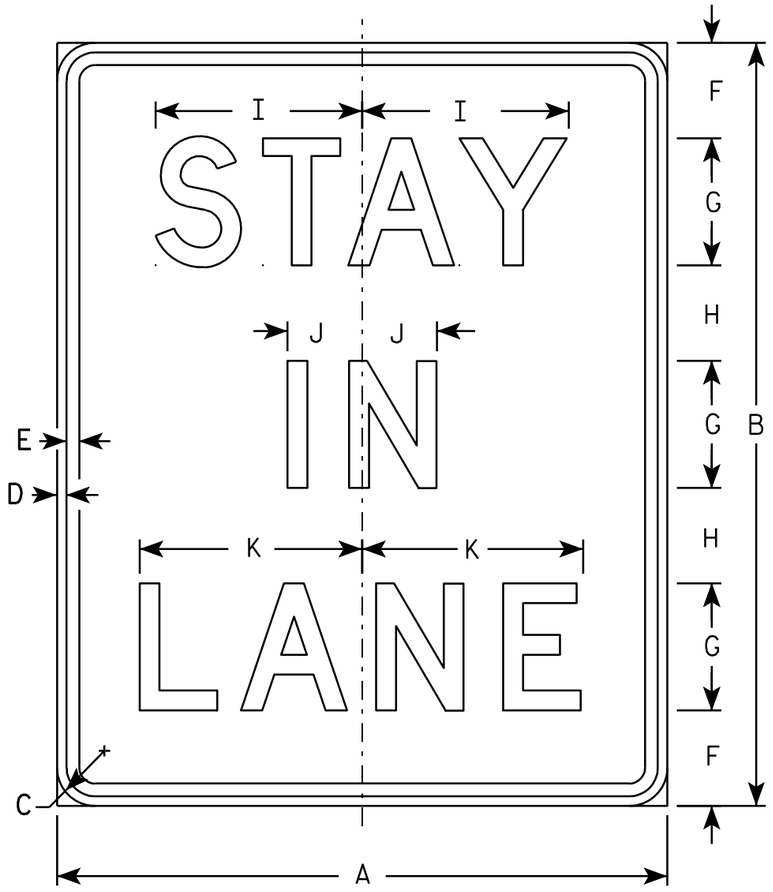
SHEET NO: 679 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R43.DGN PLOT DATE : 25-MAR-2011 13:40 PLOT BY : mscsja

WISDOT/CADDS SHEET 42

7

7



R4-9

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - WHITE
   Message - BLACK
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	3/8	3	4	3	6 1/2	2 3/8	7																3.0
2S	24	30	1 1/8	3/8	1/2	3 5/8	5	3 7/8	8 1/8	3	8 3/4																5.0
2M	24	30	1 1/8	3/8	1/2	3 5/8	5	3 7/8	8 1/8	3	8 3/4																5.0
3	36	48	1 3/8	1/2	5/8	8 1/4	7	5 1/4	11 3/8	4 1/8	12 1/4																12.0
4	36	48	1 3/8	1/2	5/8	8 1/4	7	5 1/4	11 3/8	4 1/8	12 1/4																12.0
5	48	60	2 1/4	3/4	1	7 1/2	10	7 1/2	16 1/4	5 7/8	17 1/2																20.0

STANDARD SIGN
R4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-9.2

PROJECT NO:

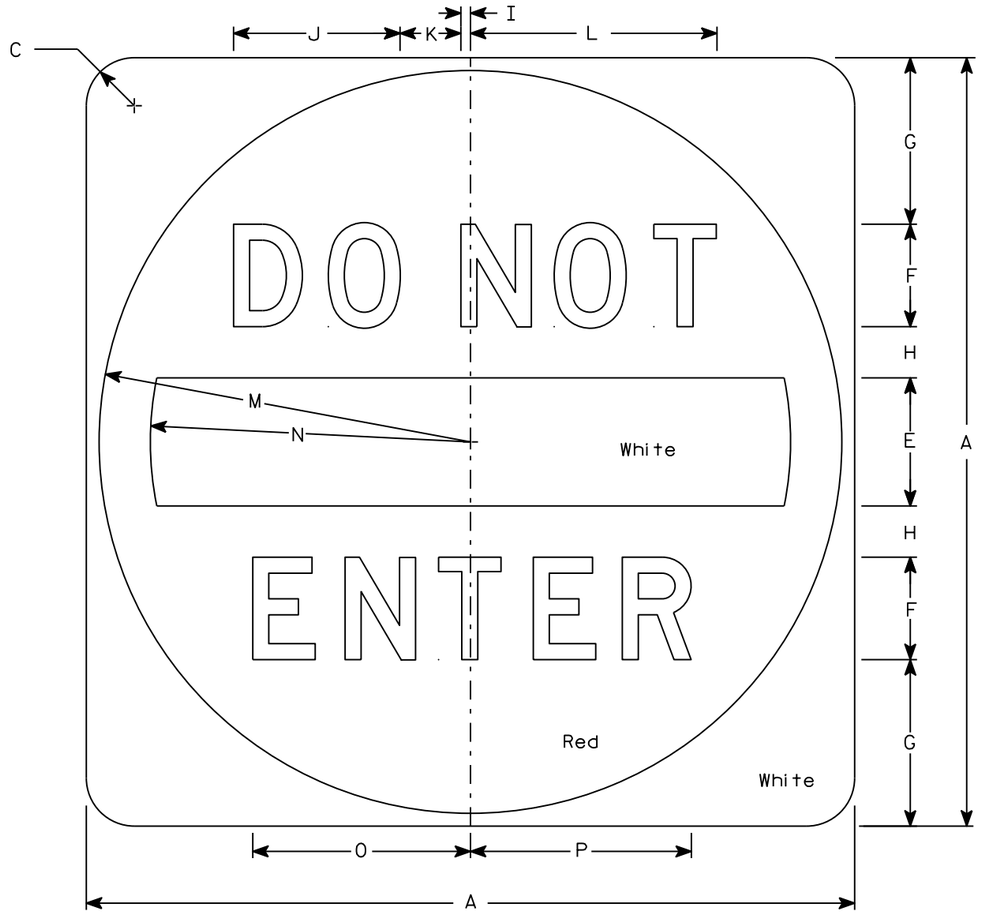
SHEET NO: 680 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R49.DGN PLOT DATE : 25-MAR-2011 14:17 PLOT BY : mscsja

WISDOT/CADDS SHEET 42

7

7



R5-1

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.25
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

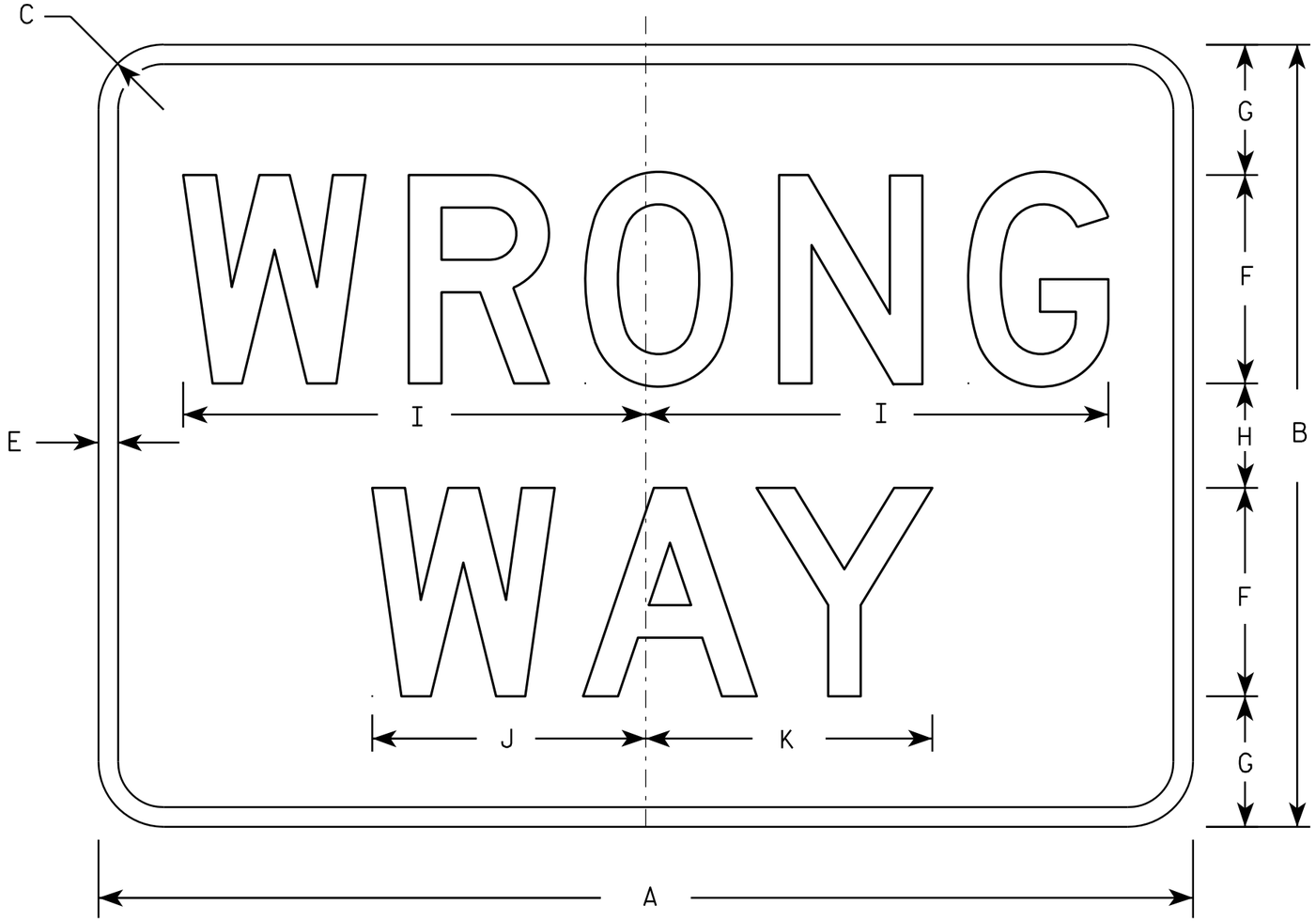
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 681 | E



R5-1A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75

STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1A.2

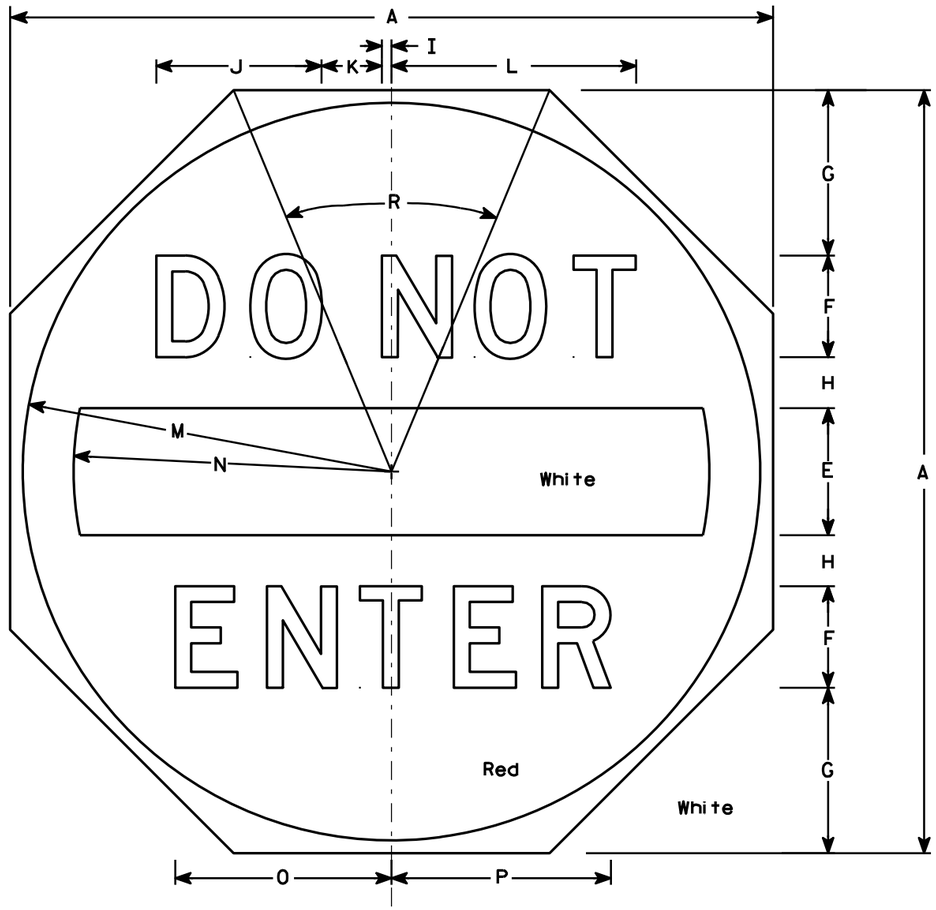
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 682 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R51A.DGN PLOT DATE : 17-DEC-2010 12:42 PLOT BY : dotsja PLOT NAME : PLOT SCALE : 5.462457:1.000000

WISDOT/CADDS SHEET 42

7

7



R5-1C

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See detail
   Message - White - Type H Reflective
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but when base material is metal, the cornors shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8		45°									5.18
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4		45°									7.46
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4		45°									7.46
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4		45°									13.25
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8		45°									13.25

STANDARD SIGN
R5-1C

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

State Traffic Engineer

DATE 3/23/11 PLATE NO. R5-1C.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 683 | E



R5-57

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - Lines 1, 2, and 5 are Series C.
   Lines 3 and 4 are Series B.
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S																											
2M																											
3																											
4	36		1 5/8	5/8	3/4	4	3	2	3 1/2	14 1/4	14 7/8	11	11 1/2	4 3/4	1 3/4	9		1 3/8	10	11	2 1/2	1 3/4	15 1/2	13	13 5/8		9.0
5	36		1 5/8	5/8	3/4	4	3	2	3 1/2	14 1/4	14 7/8	11	11 1/2	4 3/4	1 3/4	9		1 3/8	10	11	2 1/2	1 3/4	15 1/2	13	13 5/8		9.0

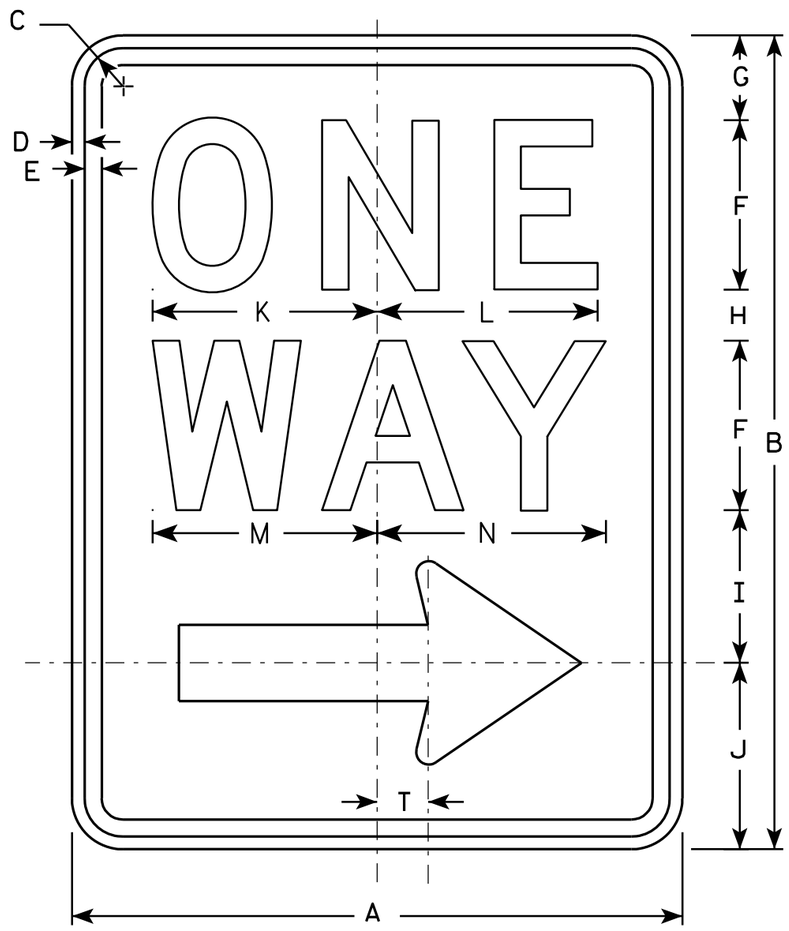
STANDARD SIGN
R5-57

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2011 PLATE NO. R5-57.10

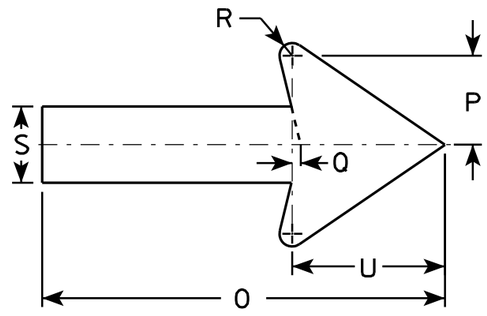
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 684	E



R6-2R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R6-2L same as R6-2R except arrow points to the left.



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
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

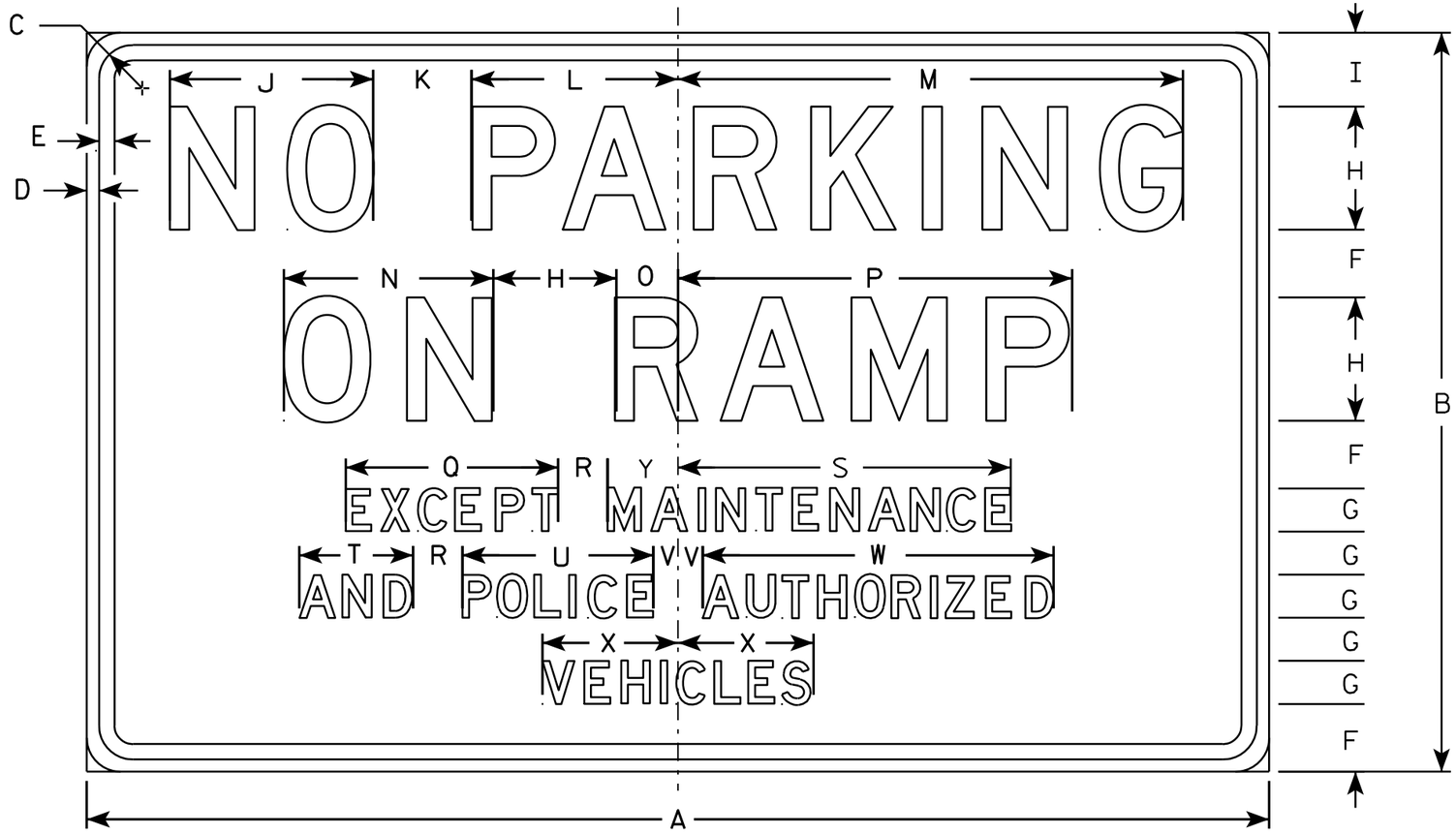
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 685	E



R7-64

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - WHITE
   Message - Lines 1& 2 and Border are RED
   Lines 3, 4, & 5 are BLACK
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S																											
2M																											
3	48	30	1 3/8	1/2	5/8	2 3/4	1 3/4	5	3	8 1/4	4	8 3/8	20 1/2	8 1/2	2 1/2	16	8 5/8	2	13 5/8	4 5/8	7 3/4	1	14 1/4	5 1/2			10.0
4																											
5																											

STANDARD SIGN
R7-64

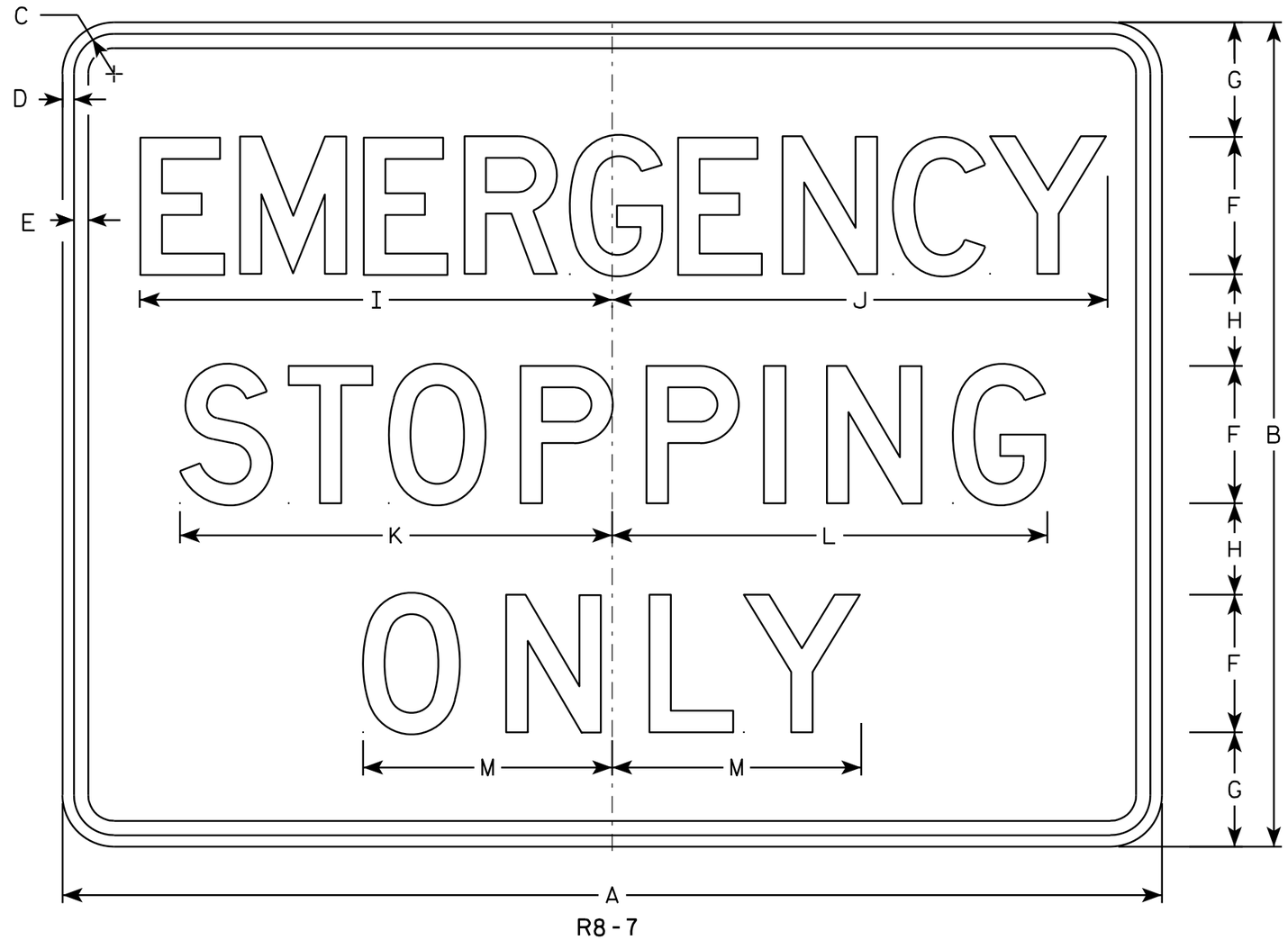
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-64.3

PROJECT NO:

SHEET NO: 686 E



R8-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S																											
2M																											
3																											
4	48	36	1 3/4	1/2	5/8	6	5	4	20 5/8	21 5/8	18 7/8	19	10 7/8														12.0
5	48	36	1 3/4	1/2	5/8	6	5	4	20 5/8	21 5/8	18 7/8	19	10 7/8														12.0

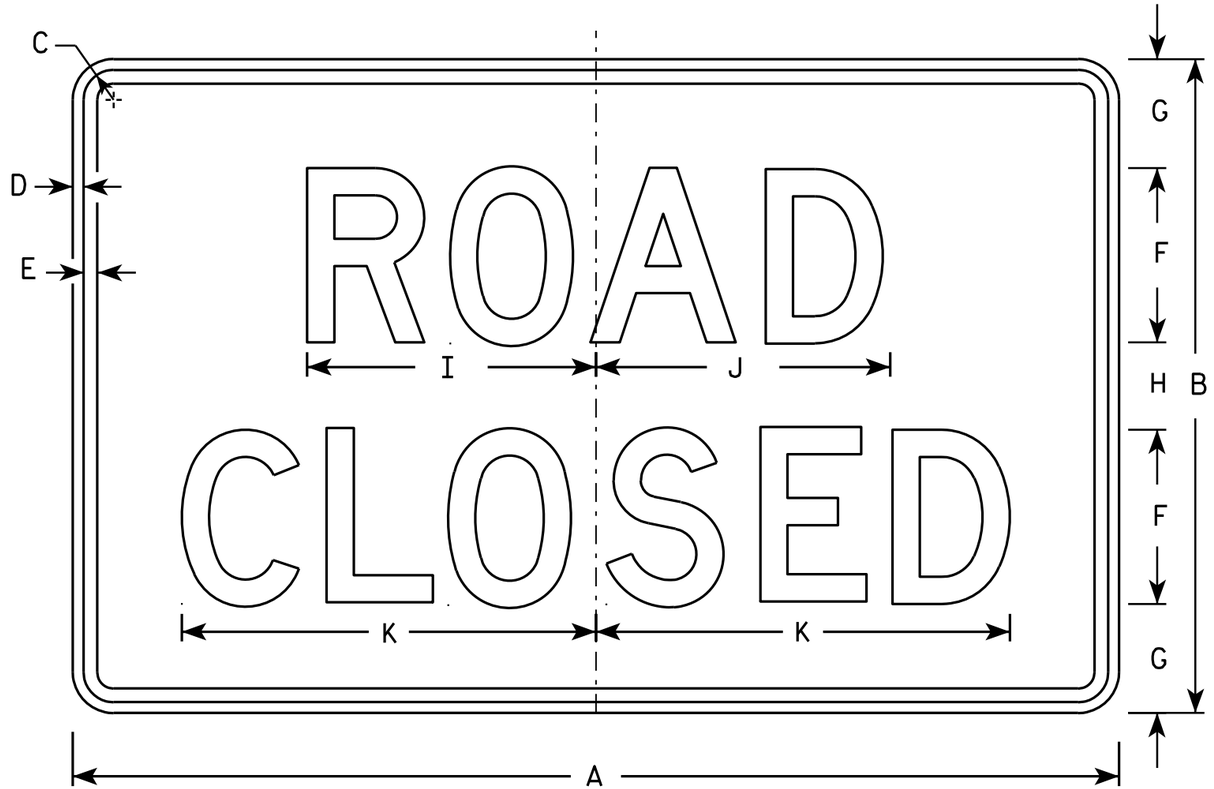
STANDARD SIGN
R8-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R8-7.6

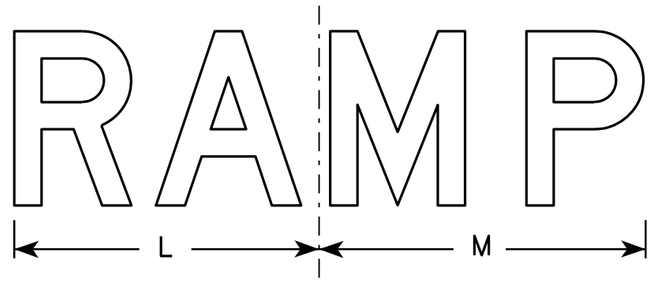
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 687 | E



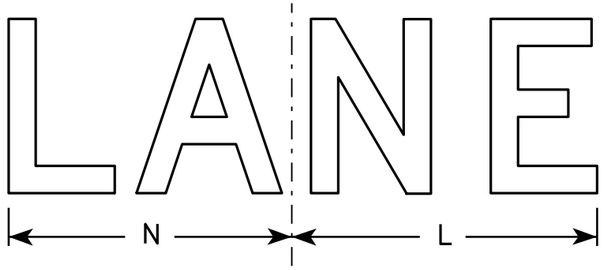
R11-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - 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



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0

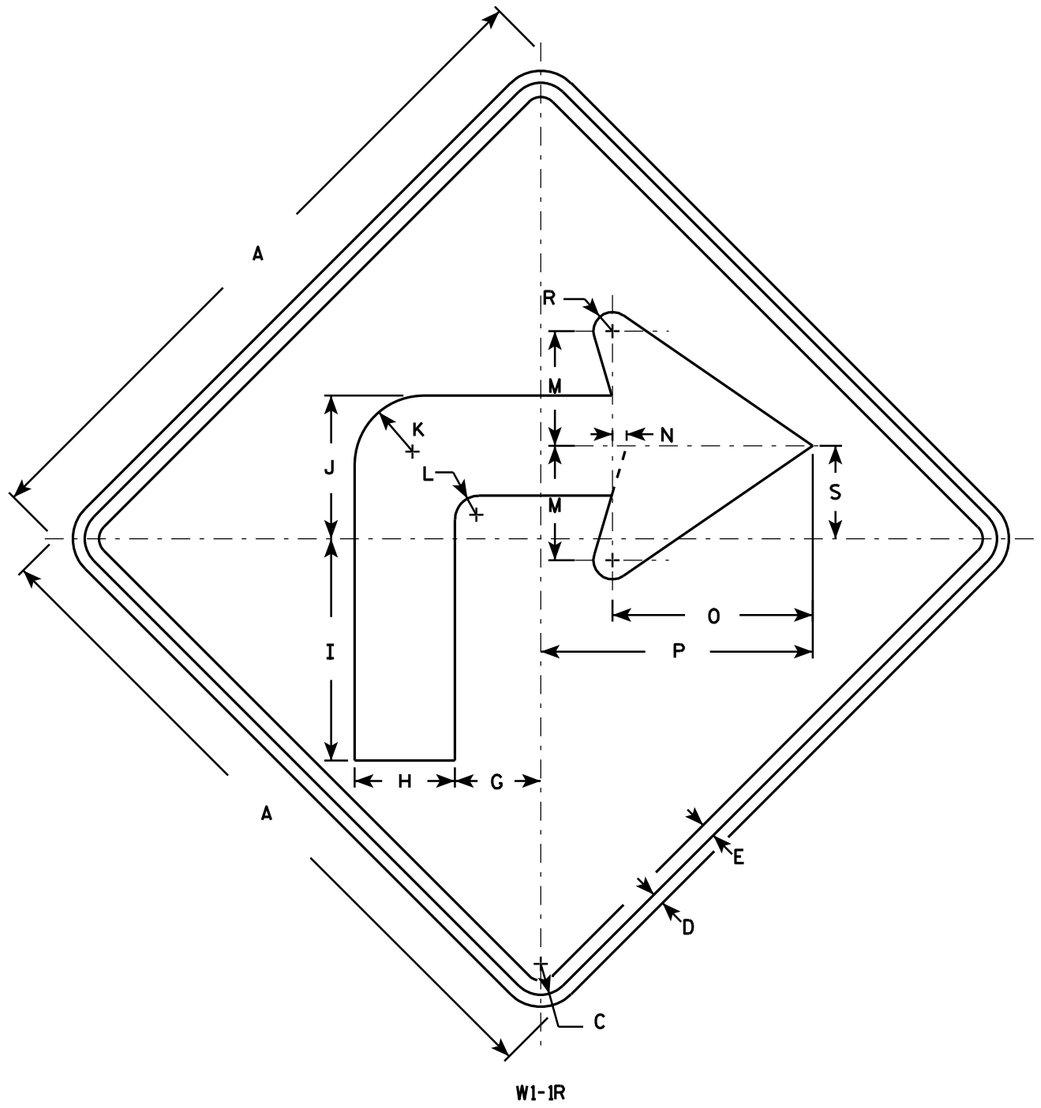
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 688	E



W1-1R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   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. W1-1L is the same as W1-1R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2		3	3 1/2	7 3/4	5	2 1/2	7/8	4	1/2	7	9 1/2		5/8	3 1/4								4.0
2S	36		1 5/8	5/8	3/4		4 1/2	5 1/4	11 5/8	7 1/2	3 5/8	1 1/4	6	3/4	10 1/2	14 1/4		1	4 7/8								9.0
2M	36		1 5/8	5/8	3/4		4 1/2	5 1/4	11 5/8	7 1/2	3 5/8	1 1/4	6	3/4	10 1/2	14 1/4		1	4 7/8								9.0
3	36		1 5/8	5/8	3/4		4 1/2	5 1/4	11 5/8	7 1/2	3 5/8	1 1/4	6	3/4	10 1/2	14 1/4		1	4 7/8								9.0
4	48		2 1/4	3/4	1		6	7	15 1/2	10	4 7/8	1 5/8	8	1	14	19		1 1/4	6 1/2								16.0
5	48		2 1/4	3/4	1		6	7	15 1/2	10	4 7/8	1 5/8	8	1	14	19		1 1/4	6 1/2								16.0

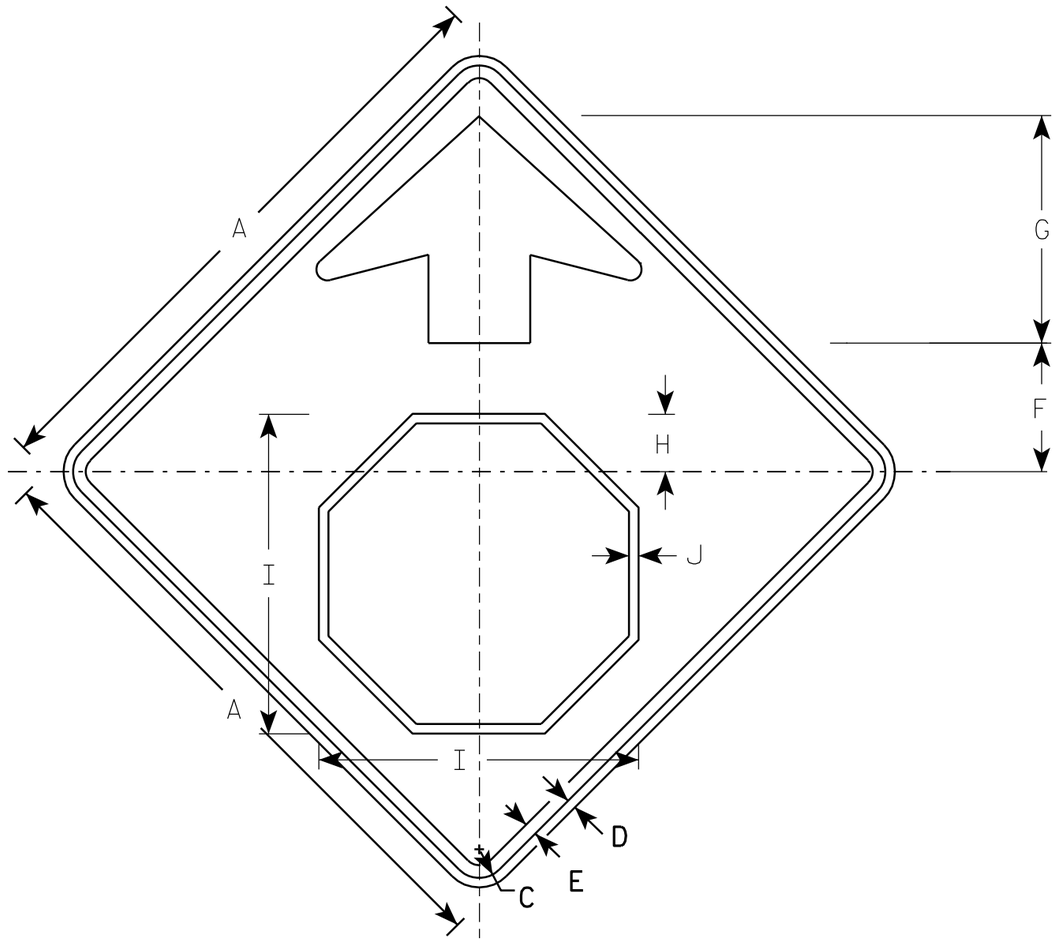
STANDARD SIGN
W1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/15/12 PLATE NO. W1-1.11

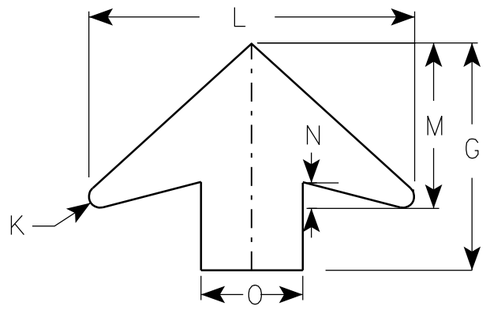
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 689 | E



W3-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Arrow & Border - BLACK
   Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	6 1/4	11 1/4	2 7/8	15 3/4	1/2	1/2	16	8	1 1/4	5												6.25
2S	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2M	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
3	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

STANDARD SIGN
W3-1

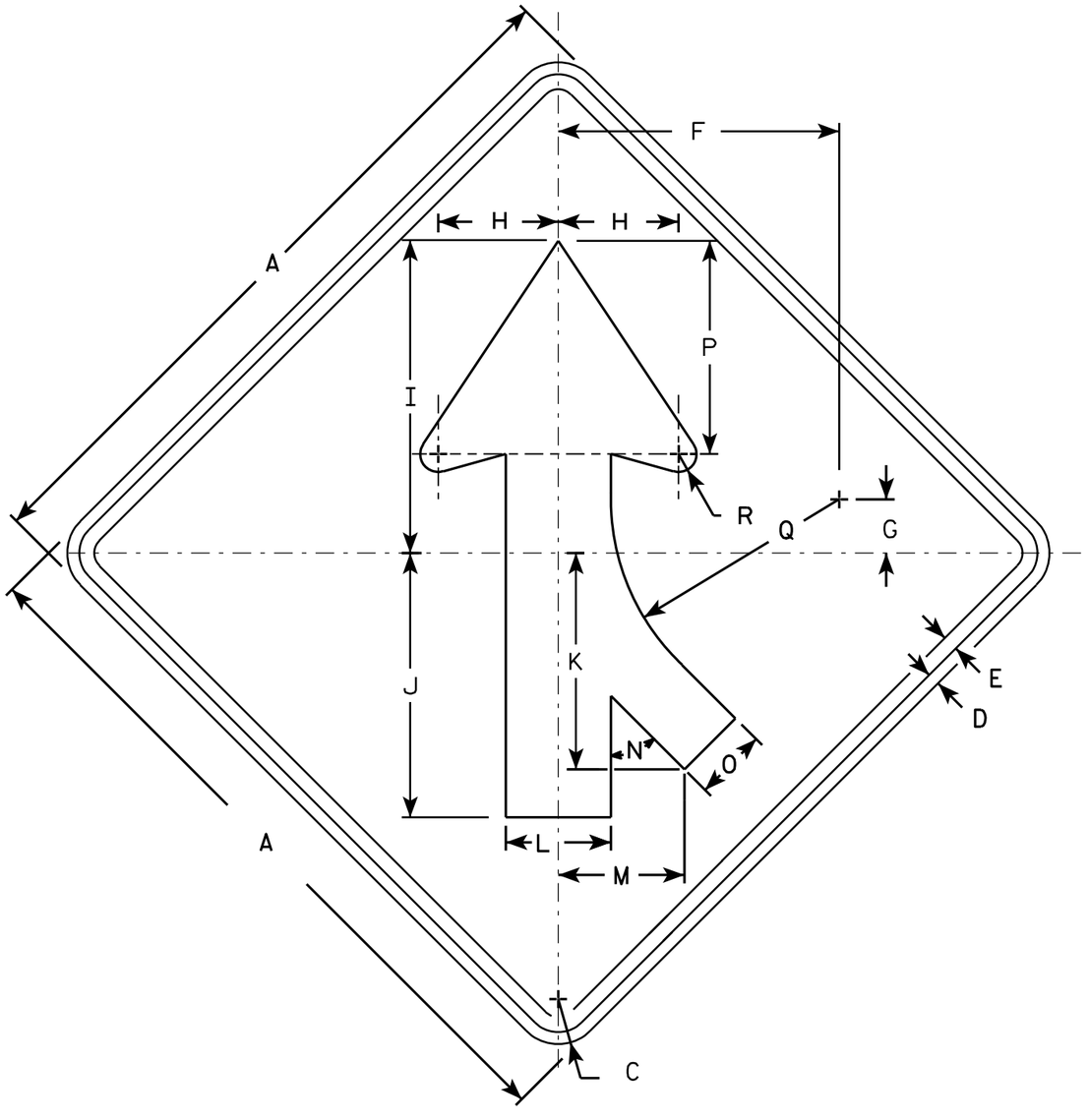
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-1.12

PROJECT NO:

SHEET NO: 690 E



W4-1 R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   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. W4-1L is the same as W4-1R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	11 5/8	2 1/2	5	13	11	9	4 3/8	5 1/4	45°	3	8 7/8	9 1/2	3/4									6.25
2S	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
2M	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
3	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
4	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
5	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0

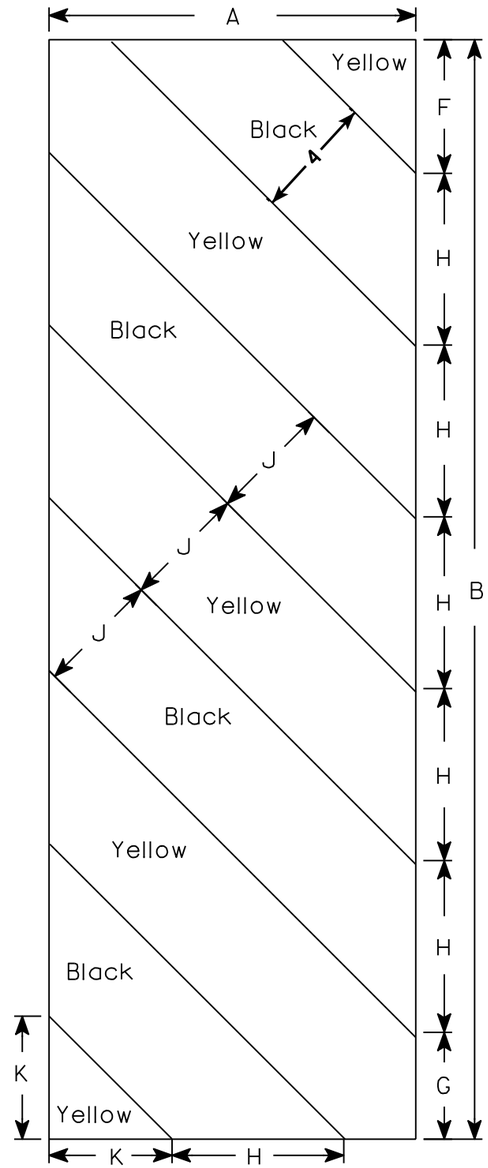
STANDARD SIGN
W4-1

WISCONSIN DEPT OF TRANSPORTATION

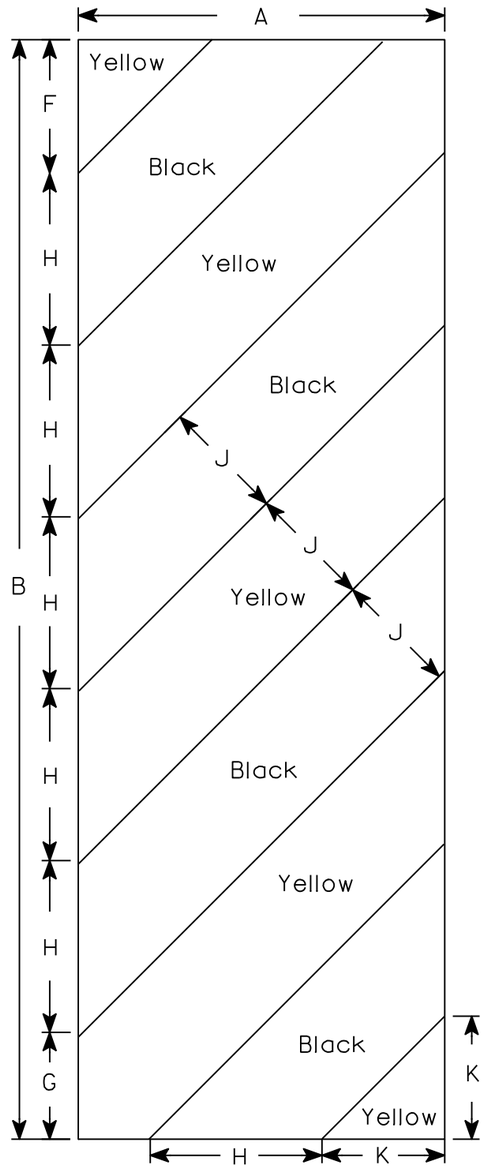
APPROVED Matthew R Rausch for State Traffic Engineer

DATE 03/12/13 PLATE NO. W4-1.14

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 691	E



W5-52L



W5-52R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Alternate colors of stripes as shown.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54				6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

STANDARD SIGN

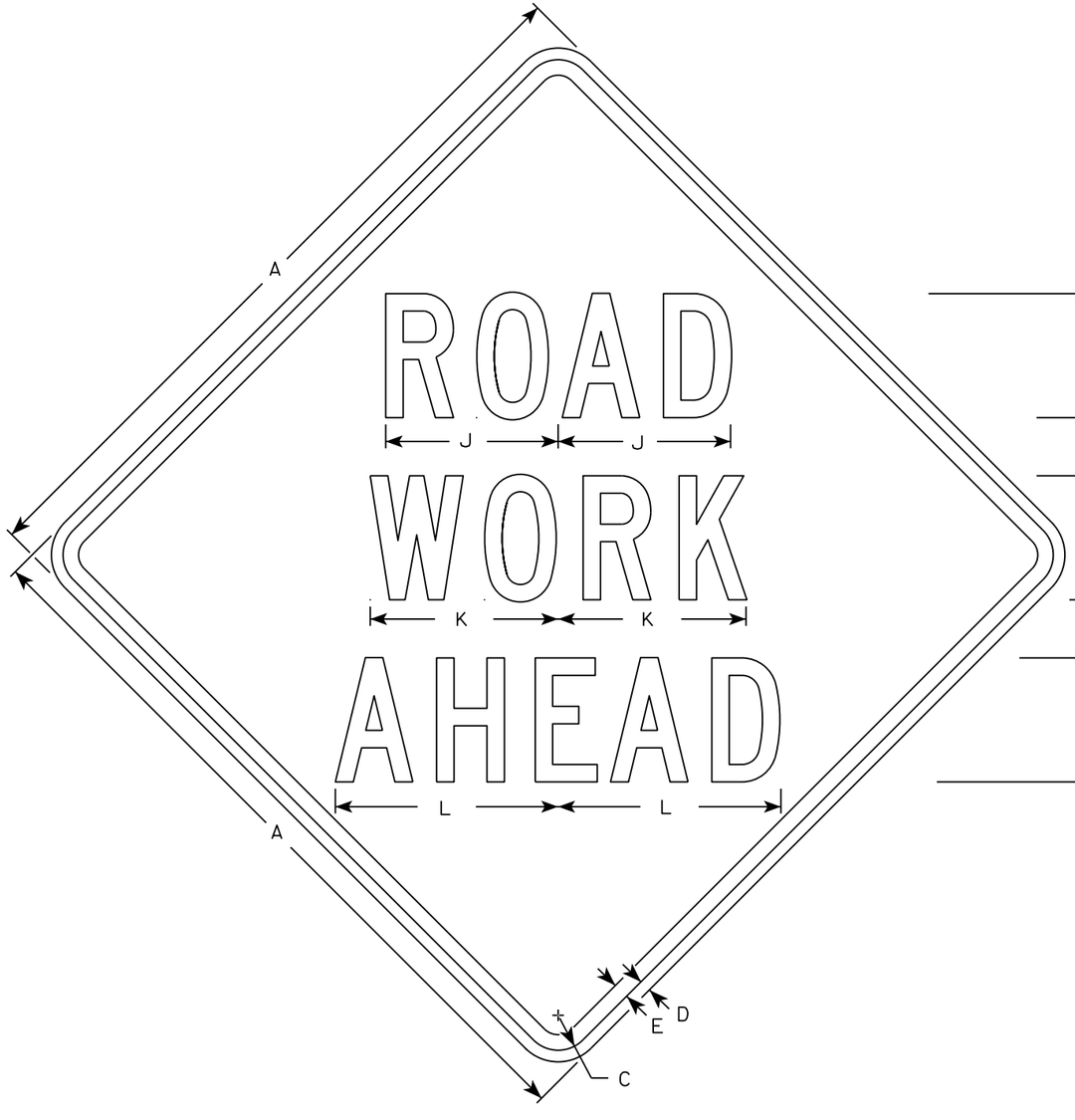
W5-52L & W5-52R

WISCONSIN DEPT OF TRANSPORTATION

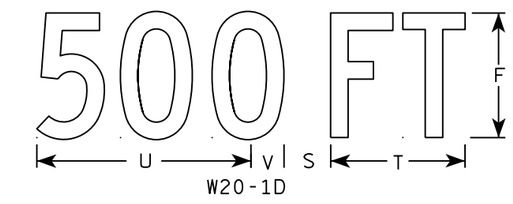
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W5-52.9

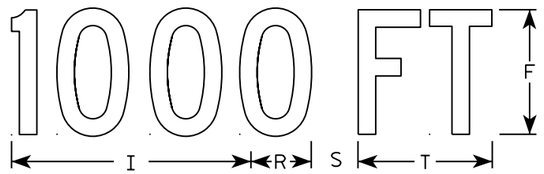
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 692	E



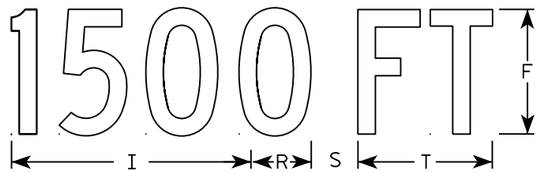
W20-1A



W20-1D



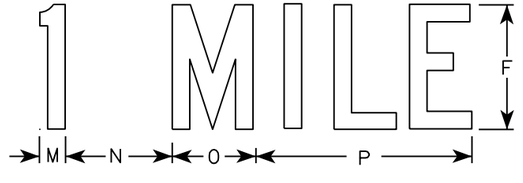
W20-1C



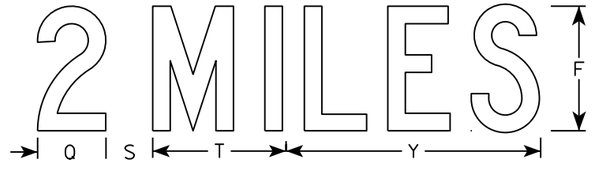
W20-1B



W20-1G



W20-1F



W20-1E

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		1 3/8	1/2	5/8	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		2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

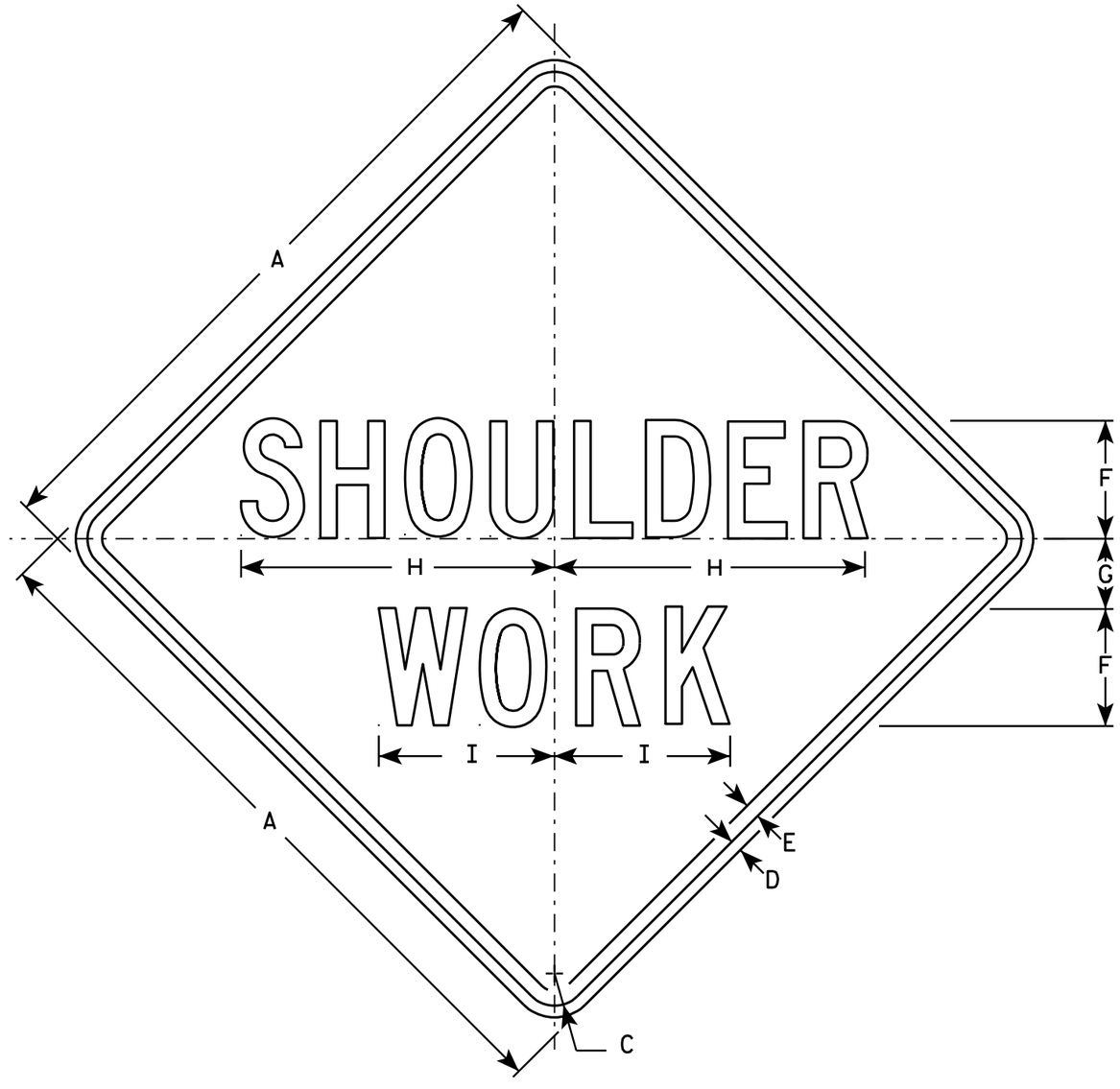
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/07/15 PLATE NO. W20-1.10

PROJECT NO:

SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 01-DEC-2015 18:24 PLOT BY : $$ plotuser $$



W21-5

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - 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	24		1 1/8	3/8	1/2	4	2 1/2	10 3/4	6																		4.0
2S	30		1 3/8	1/2	5/8	5	3	13 3/8	7 1/2																		6.25
2M	30		1 3/8	1/2	5/8	5	3	13 3/8	7 1/2																		6.25
3	36		1 5/8	5/8	3/4	6	3 1/2	16	9																		9.0
4	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
5	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0

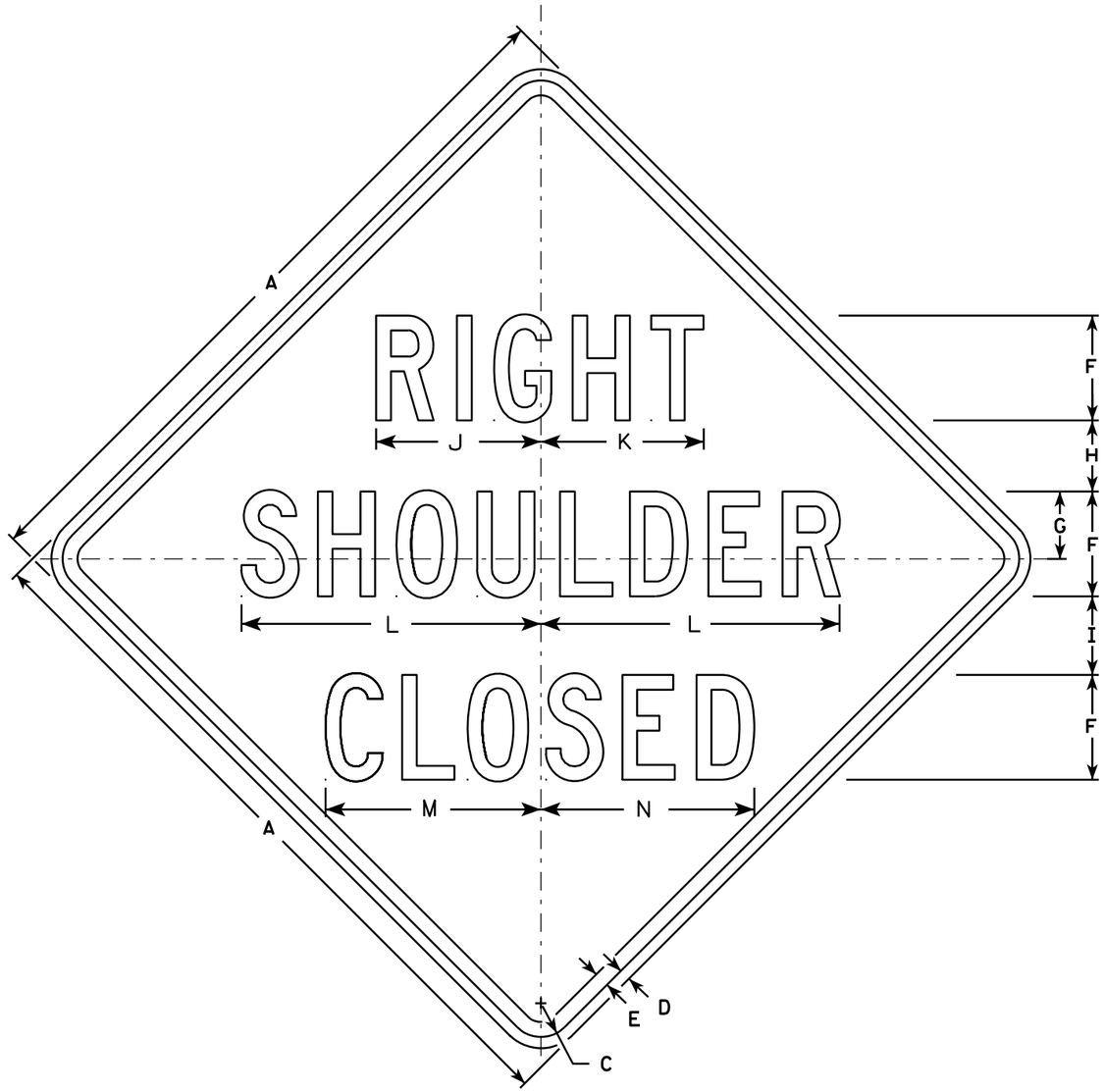
STANDARD SIGN
W21-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-5.5

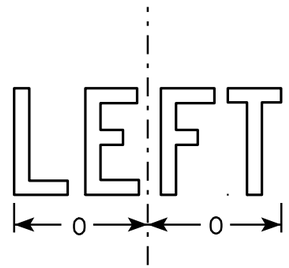
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 694	E



W21-5A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - 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.



W21-5AL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	4	7 7/8	7 3/4	14 1/4	10 1/4	10 1/8	6 1/4												9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 7/8	20	14 3/8	14 1/4	8 3/4												16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 7/8	20	14 3/8	14 1/4	8 3/4												16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 7/8	20	14 3/8	14 1/4	8 3/4												16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 7/8	20	14 3/8	14 1/4	8 3/4												16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 7/8	20	14 3/8	14 1/4	8 3/4												16.0

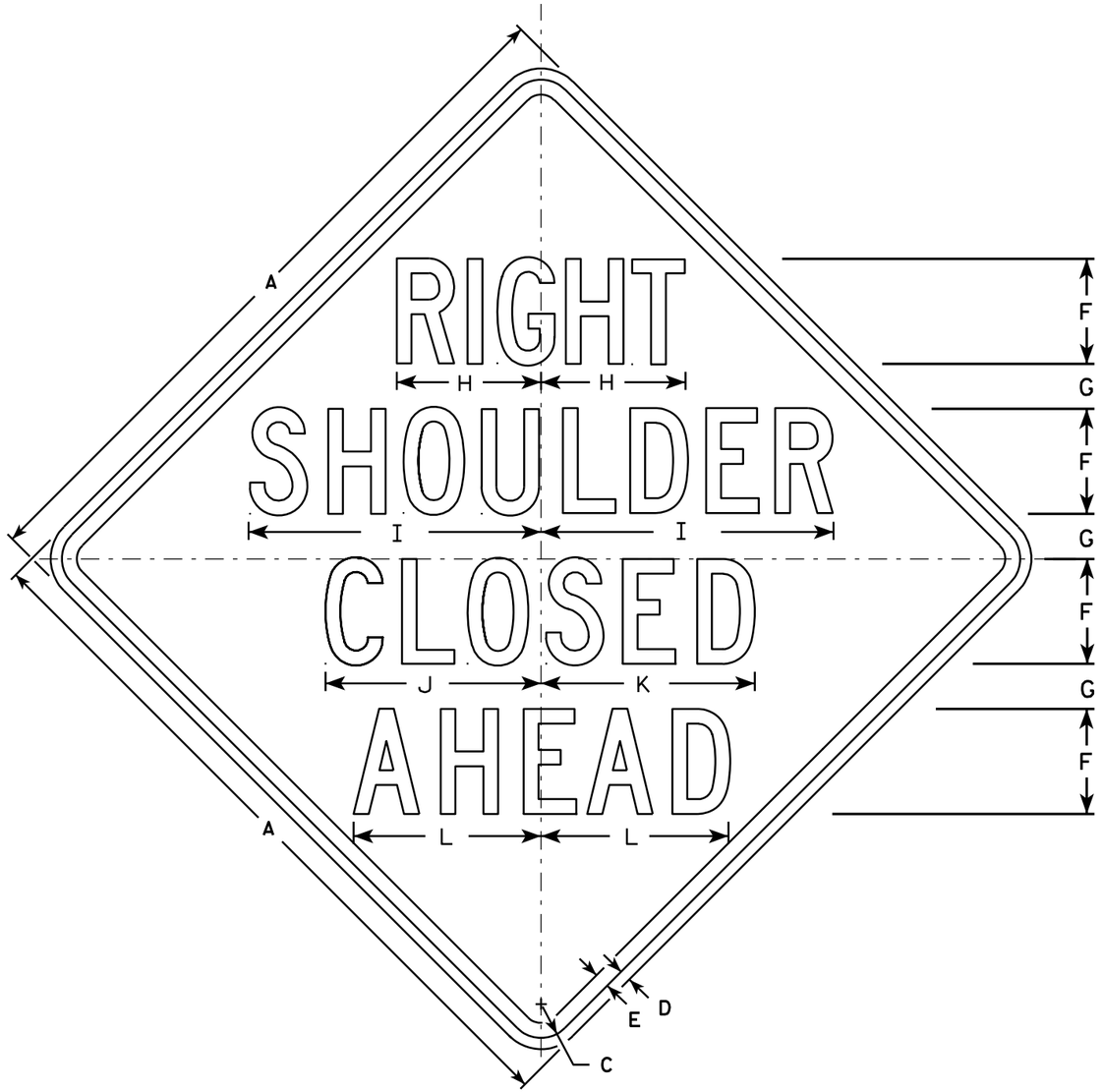
STANDARD SIGN
W21-5A

WISCONSIN DEPT OF TRANSPORTATION

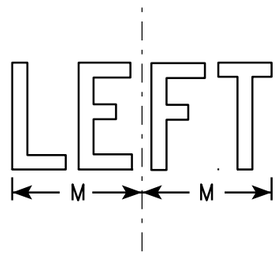
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-5A.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 695 | E



W21-5B



W21-5BL

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - 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		1 5/8	5/8	3/4	5	2 1/4	7 3/8	14 1/4	10 1/4	10 1/8	8 7/8	6 1/4														9.0
2S	48		2 1/4	3/4	1	7	3	9 5/8	19 1/2	14 3/8	14 1/4	12 1/2	8 1/2														16.0
2M	48		2 1/4	3/4	1	7	3	9 5/8	19 1/2	14 3/8	14 1/4	12 1/2	8 1/2														16.0
3	48		2 1/4	3/4	1	7	3	9 5/8	19 1/2	14 3/8	14 1/4	12 1/2	8 1/2														16.0
4	48		2 1/4	3/4	1	7	3	9 5/8	19 1/2	14 3/8	14 1/4	12 1/2	8 1/2														16.0
5	48		2 1/4	3/4	1	7	3	9 5/8	19 1/2	14 3/8	14 1/4	12 1/2	8 1/2														16.0

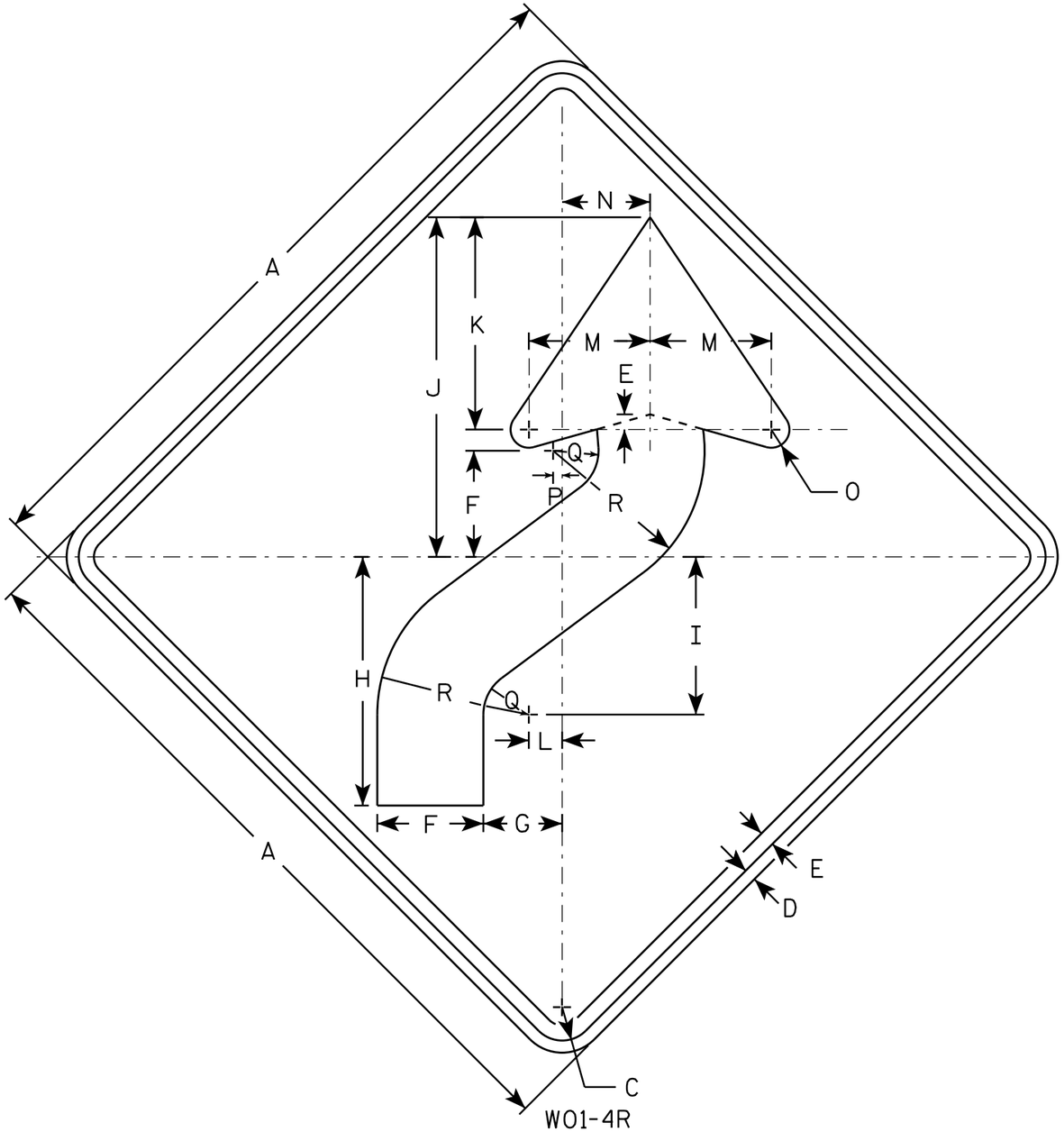
STANDARD SIGN
W21-5B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-5B.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 696	E



W01-4R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-4L is the same as W01-4R except the arrow is reversed along the vertical centerline.

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

STANDARD SIGN
W01-4

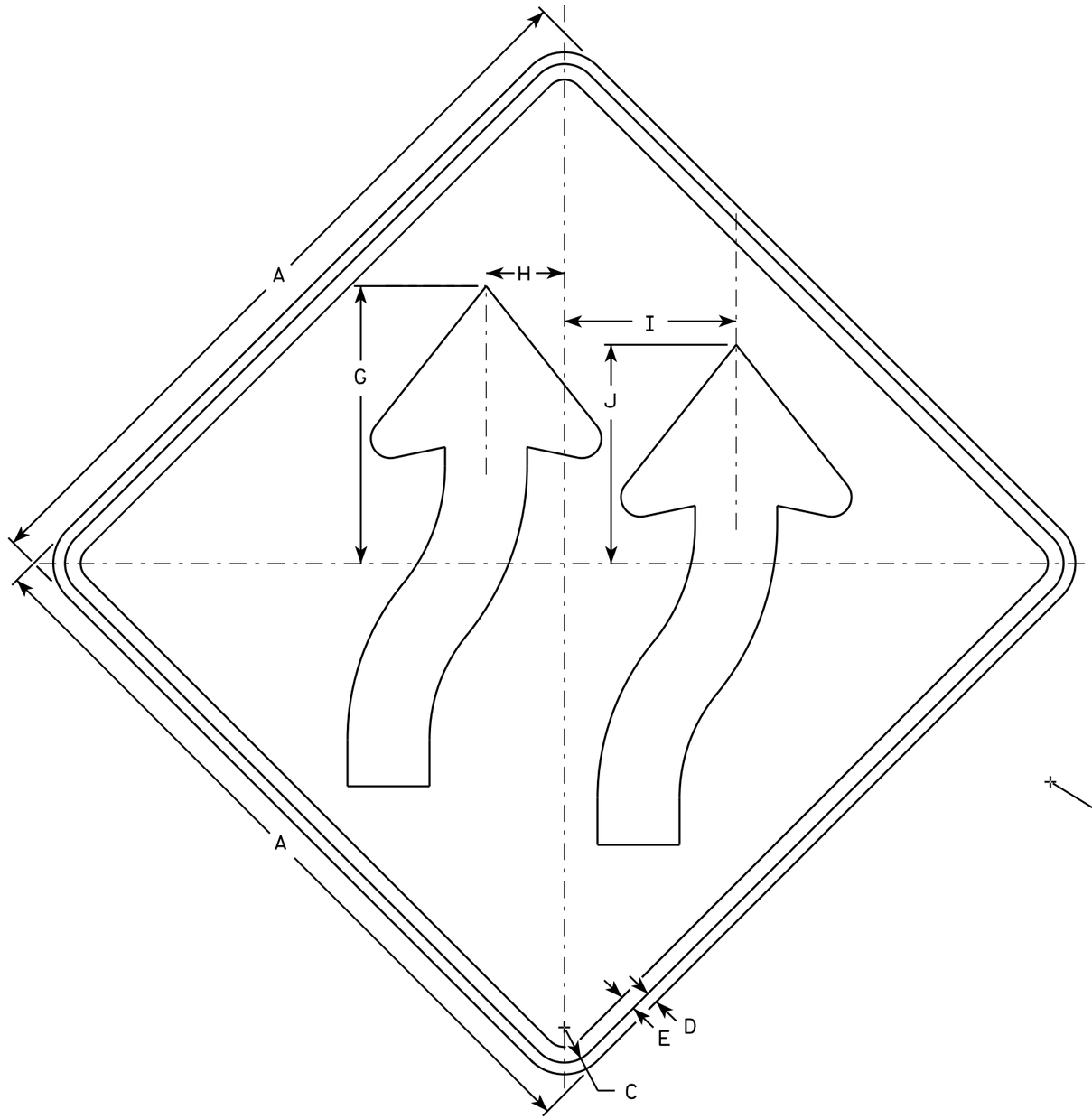
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

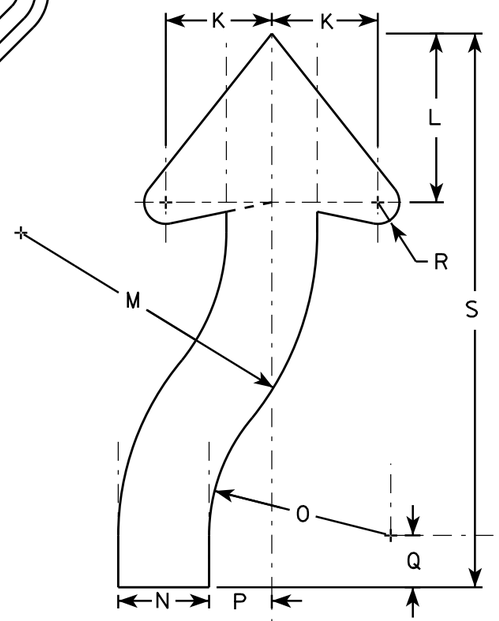
DATE 11/18/13 PLATE NO W01-4.1

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W014.DGN PLOT DATE : 28-FEB-2014 11:35 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.755110:1.000000
WISDOT/CADDS SHEET 42



W01-4bR



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-4bL is the same as W014-bR exept arrows are reversed along the vertical centerline

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4		13 3/8	3 3/4	8 1/4	10 1/2	4 5/8	7 3/8	12 7/8	3 7/8	7 7/8	2 3/4	2 1/4	7/8	24								9.0
2S	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
2M	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
3	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
4	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
5	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0

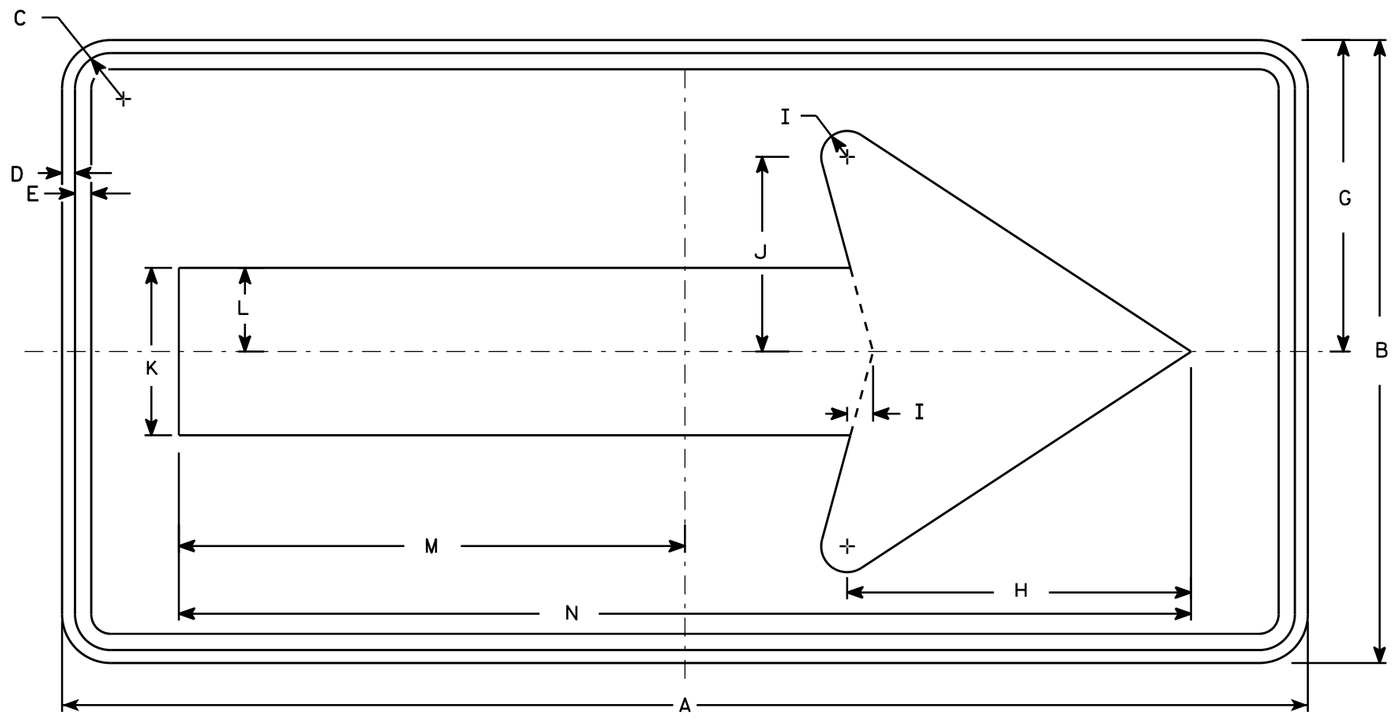
STANDARD SIGN
W01-4b

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-4b.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W01-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

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

STANDARD SIGN
W01-6

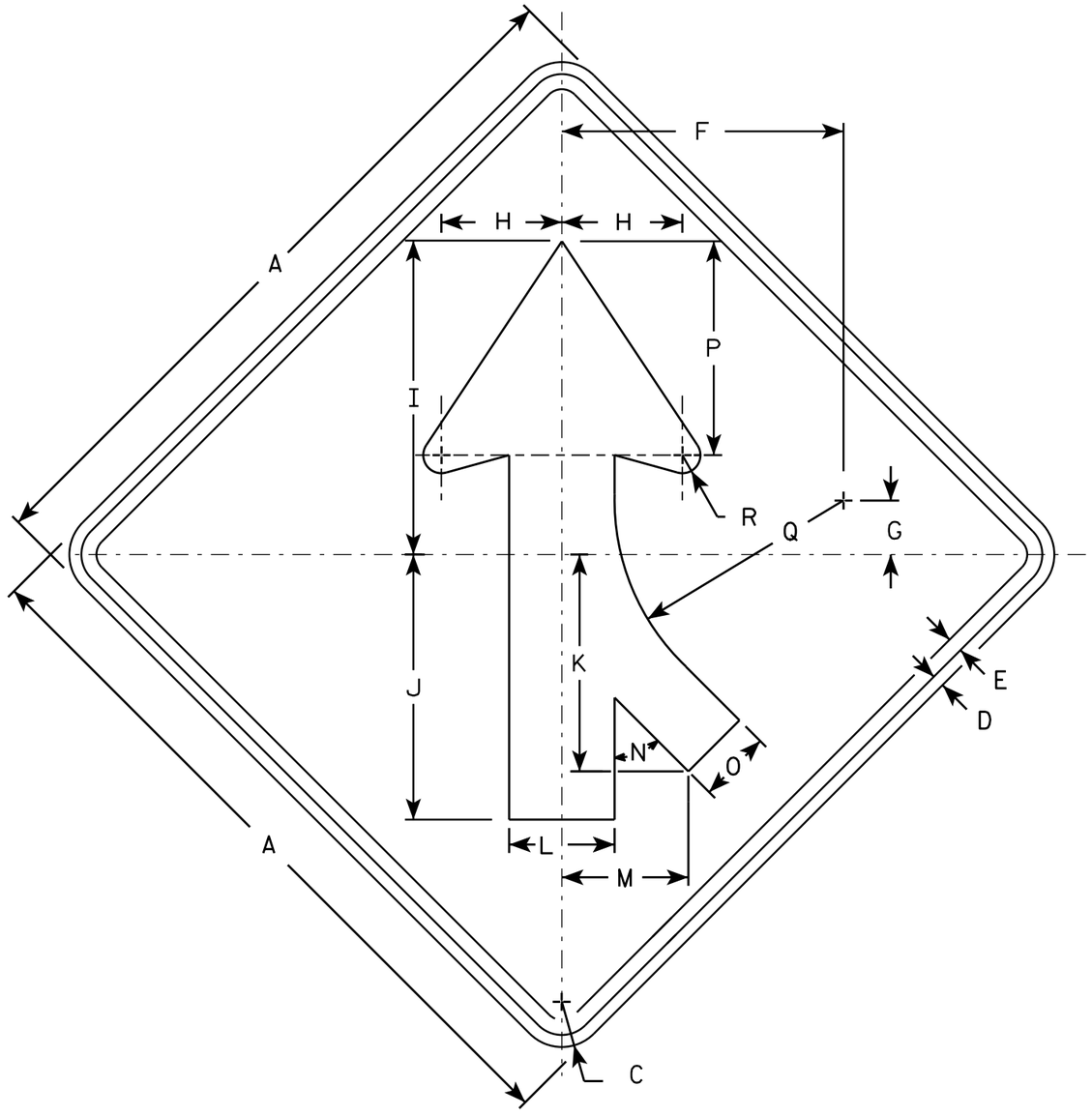
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-6.1

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



W04-1R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W4-1L is the same as W4-1R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
2S	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
2M	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
3	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
4	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
5	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0

STANDARD SIGN
W04-1

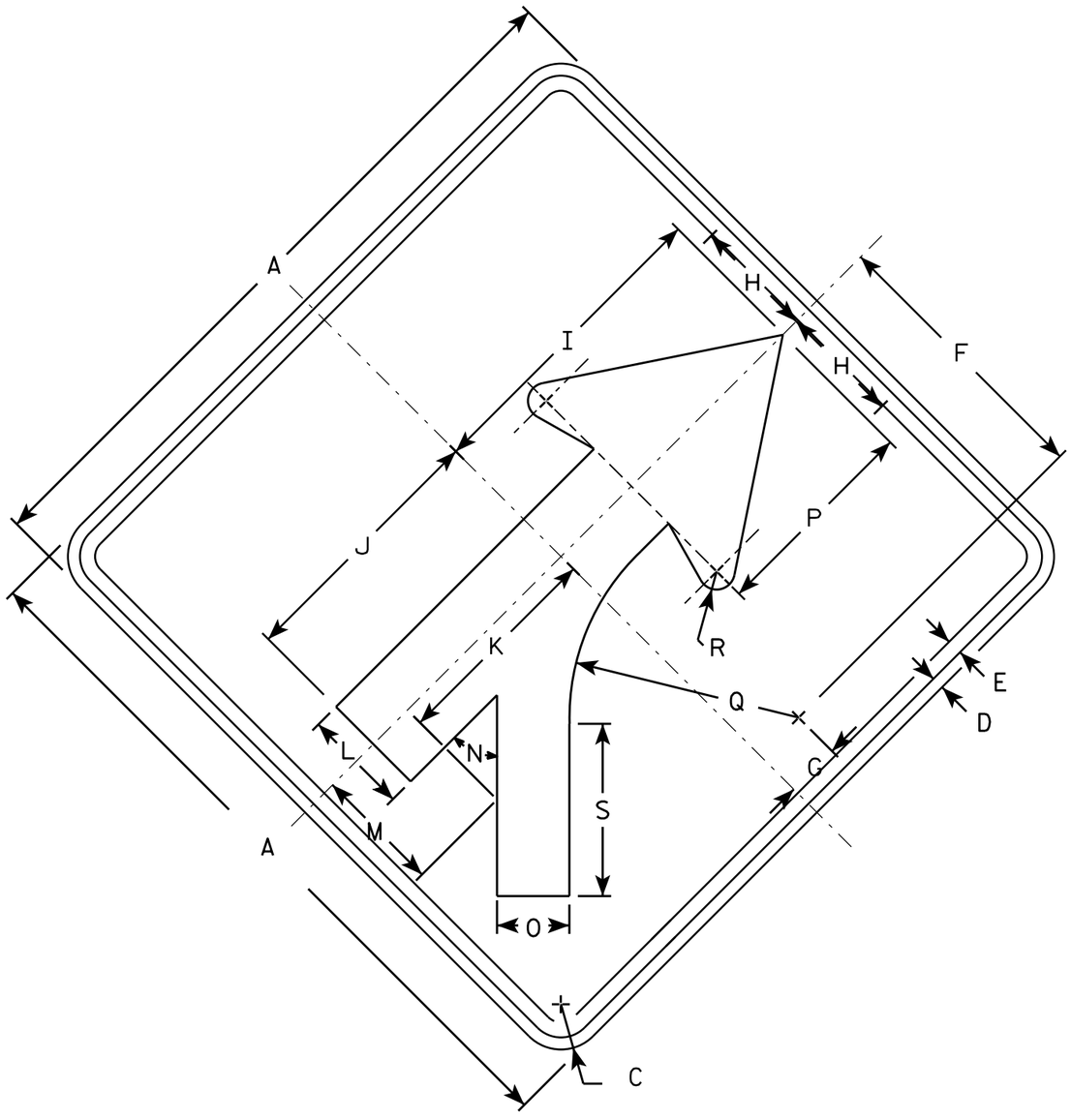
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE NO. W04-1.1

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

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W041.DGN PLOT DATE : 20-NOV-2013 11:38 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.080757:1.000000
WISDOT/CADDS SHEET 42



W04-5

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8	8 1/2								9.0
2S	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
2M	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
3	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
4	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
5	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0

STANDARD SIGN
W04-5

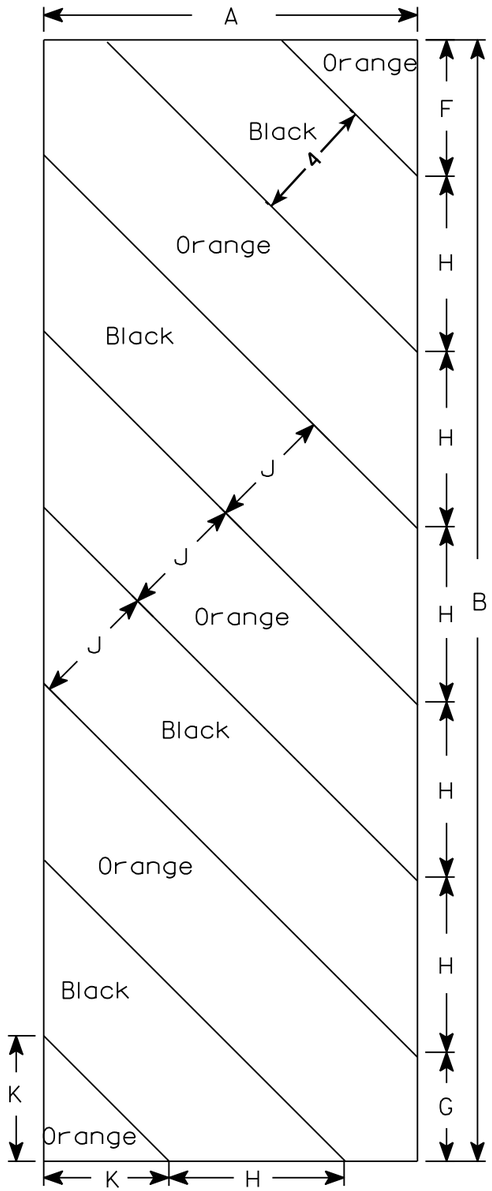
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

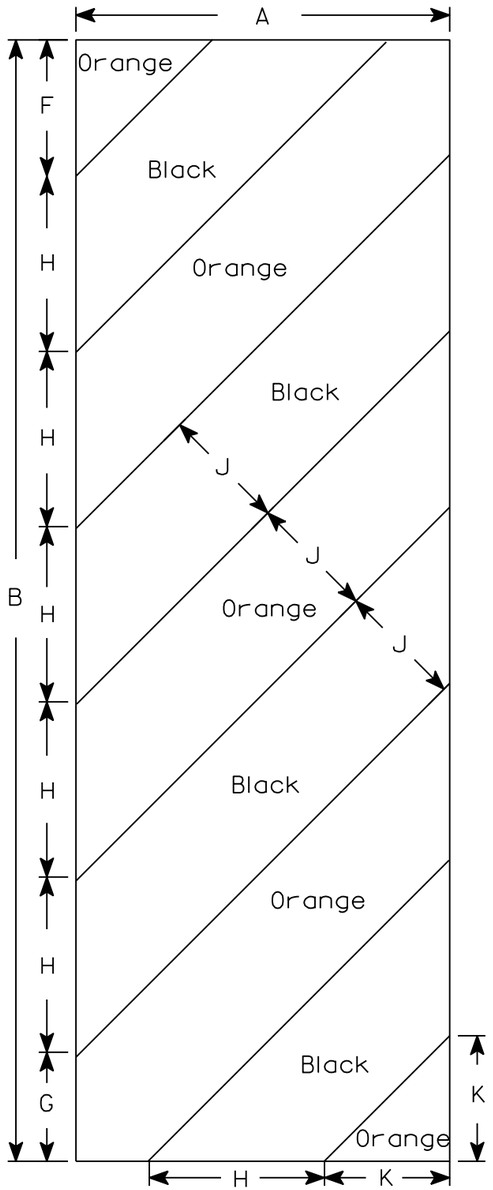
DATE 4/28/16 PLATE NO W04-5.1

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W045.DGN PLOT DATE : 28-APR-2016 13:30 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.080757:1.000000 WISDOT/CADDS SHEET 42



W05-52L



W05-52R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Alternate colors of stripes as shown.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54				6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

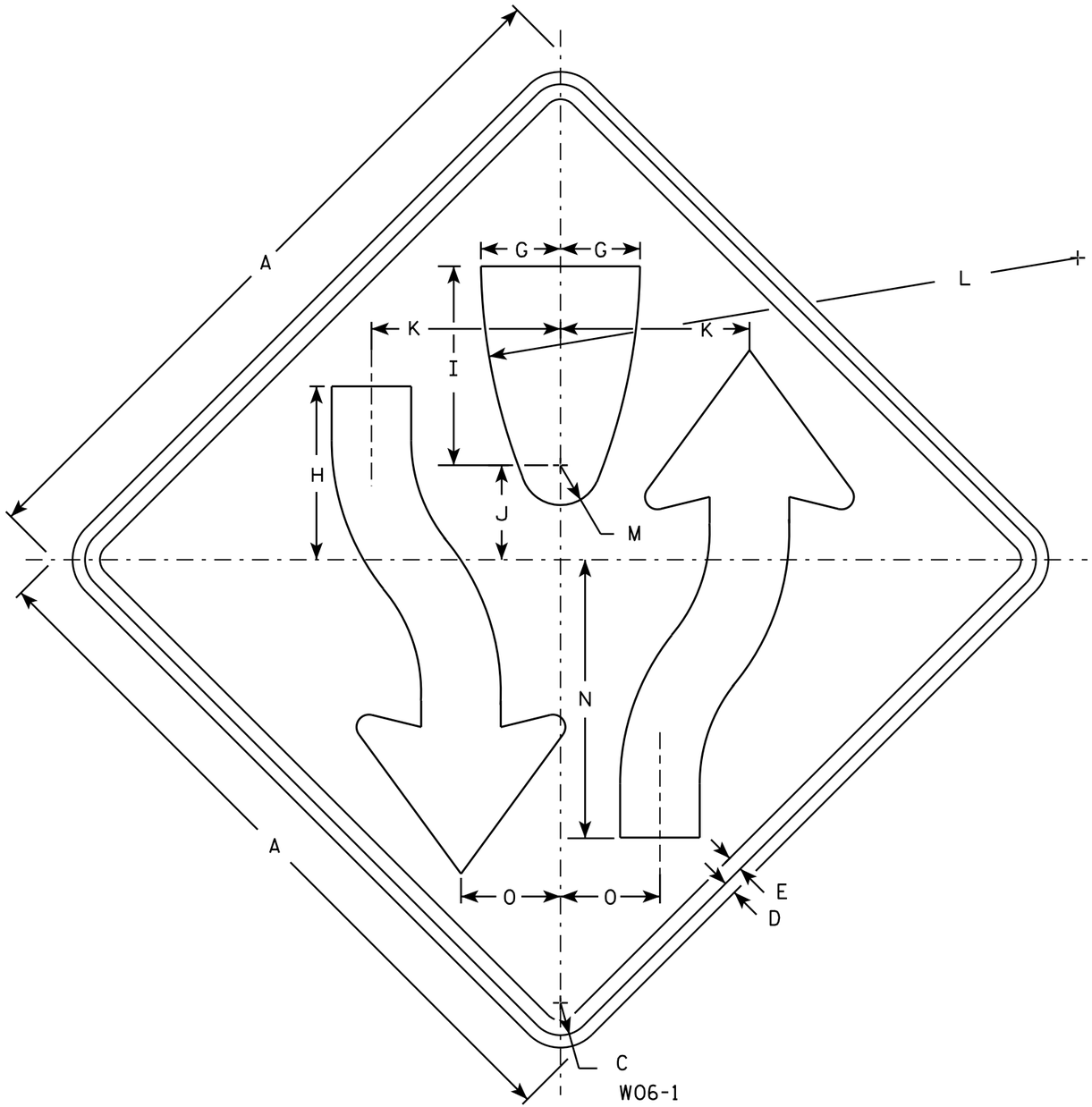
STANDARD SIGN
W05-52L & W05-52R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE No. W05-52.1

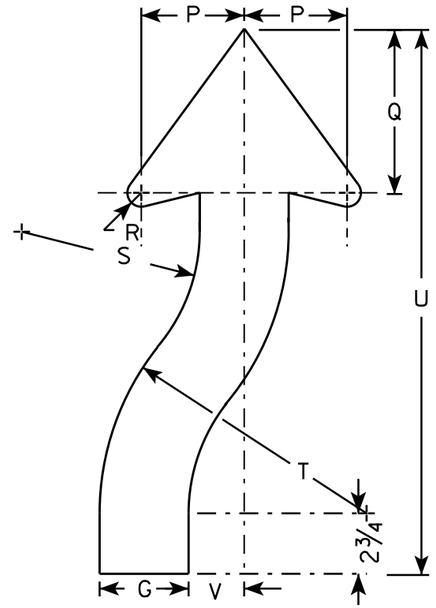
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W06-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W06-2 same as W06-1 but is rotated 180° when mounted.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	7/8	8	12	24 1/2	2 1/2					9.0
2S	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
2M	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
3	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
4	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
5	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0

STANDARD SIGN
W06-1 & W06-2

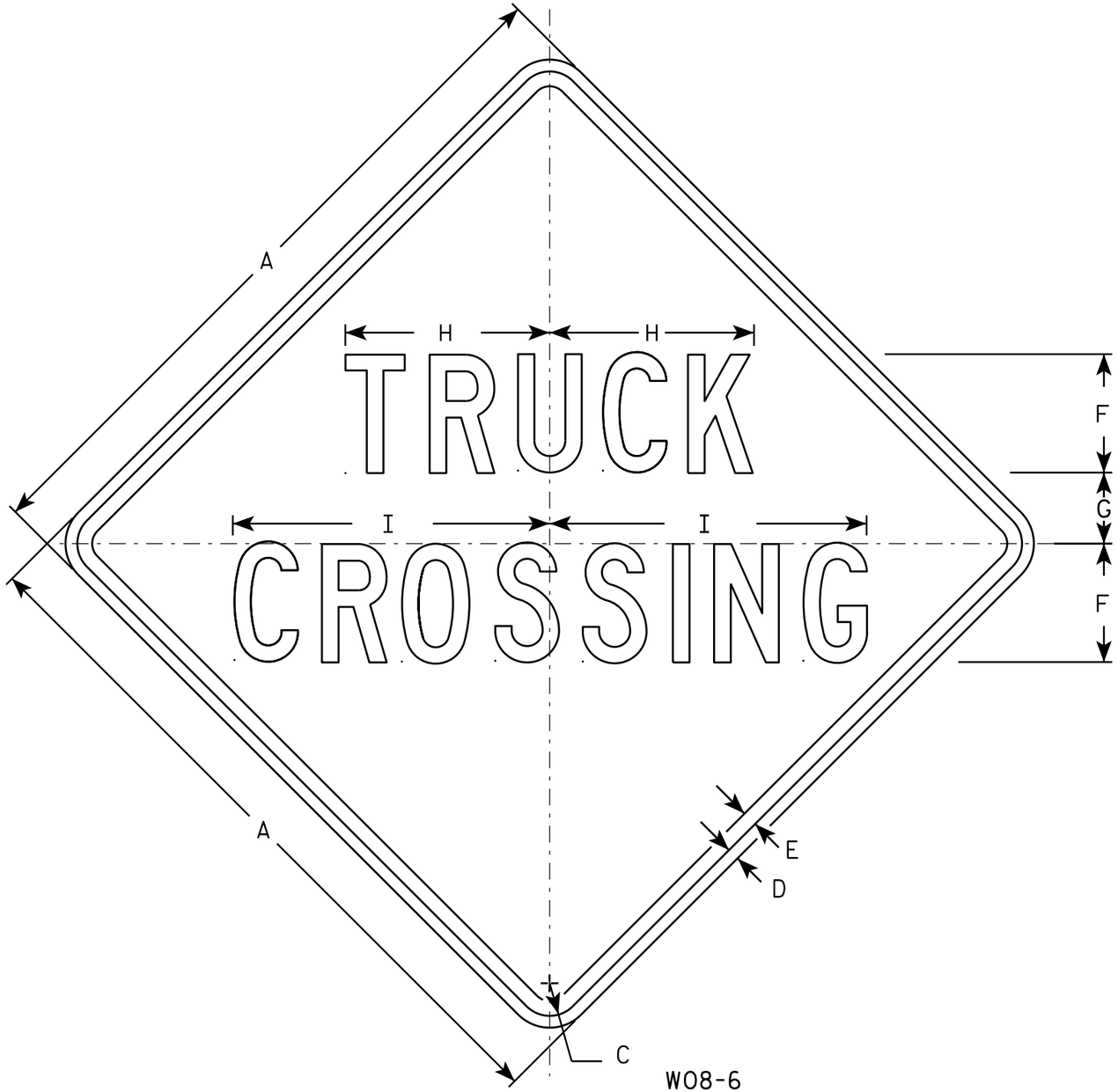
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE NO W06-1.1

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

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W061.DGN PLOT DATE : 20-NOV-2013 12:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.810449:1.000000
WISDOT/CADDS SHEET 42



W08-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. 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		1 5/8	5/8	3/4	6	3 1/2	10 3/8	16																		9.0
2S	48		2 1/4	3/4	1	8	5	13 3/4	21 1/4																		16.0
2M	48		2 1/4	3/4	1	8	5	13 3/4	21 1/4																		16.0
3	48		2 1/4	3/4	1	8	5	13 3/4	21 1/4																		16.0
4	48		2 1/4	3/4	1	8	5	13 3/4	21 1/4																		16.0
5	48		2 1/4	3/4	1	8	5	13 3/4	21 1/4																		16.0

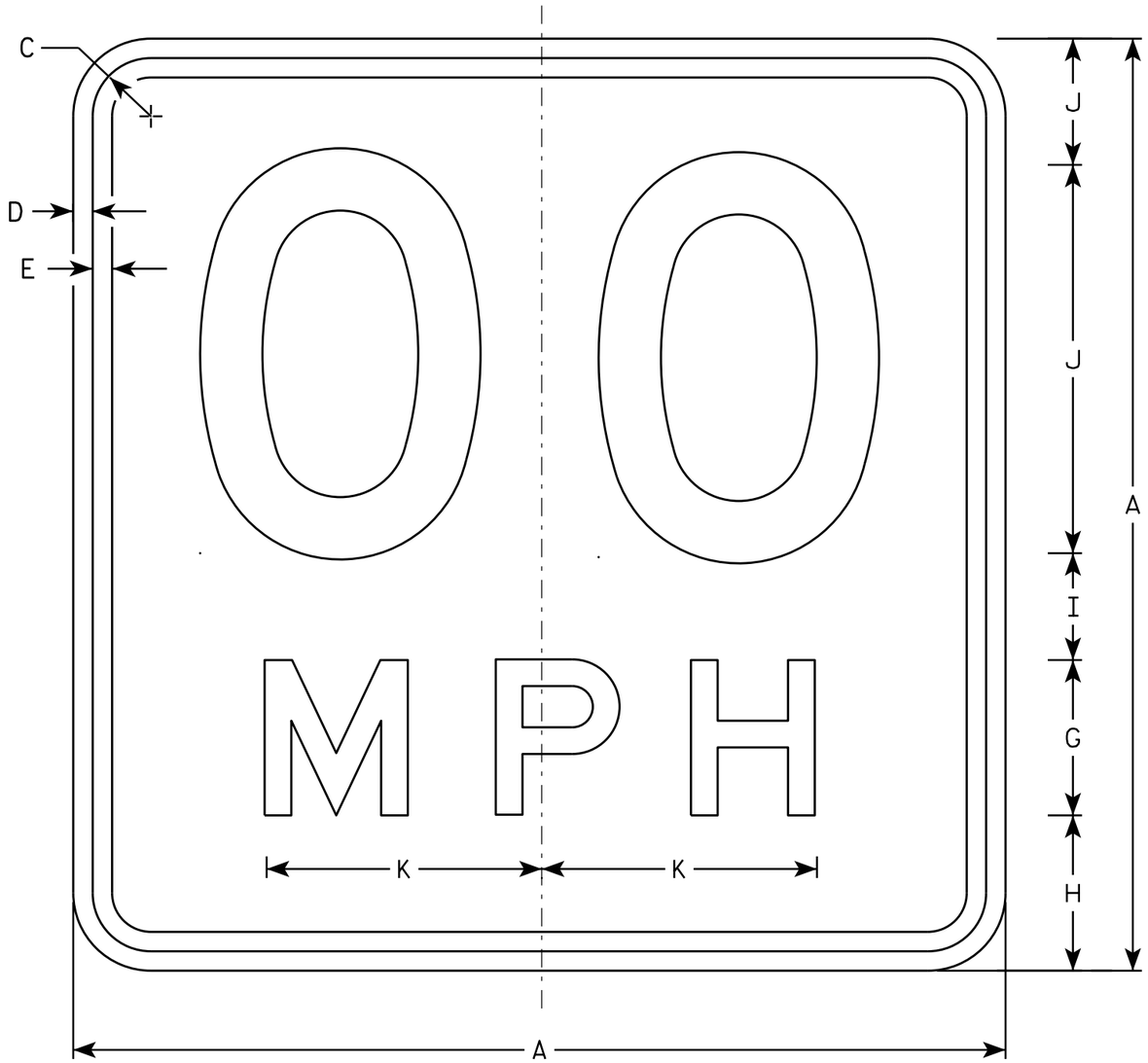
STANDARD SIGN
W08-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 704 "W08-6.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W013-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is Series E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	7 1/8																4.00
2S	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
2M	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
3	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

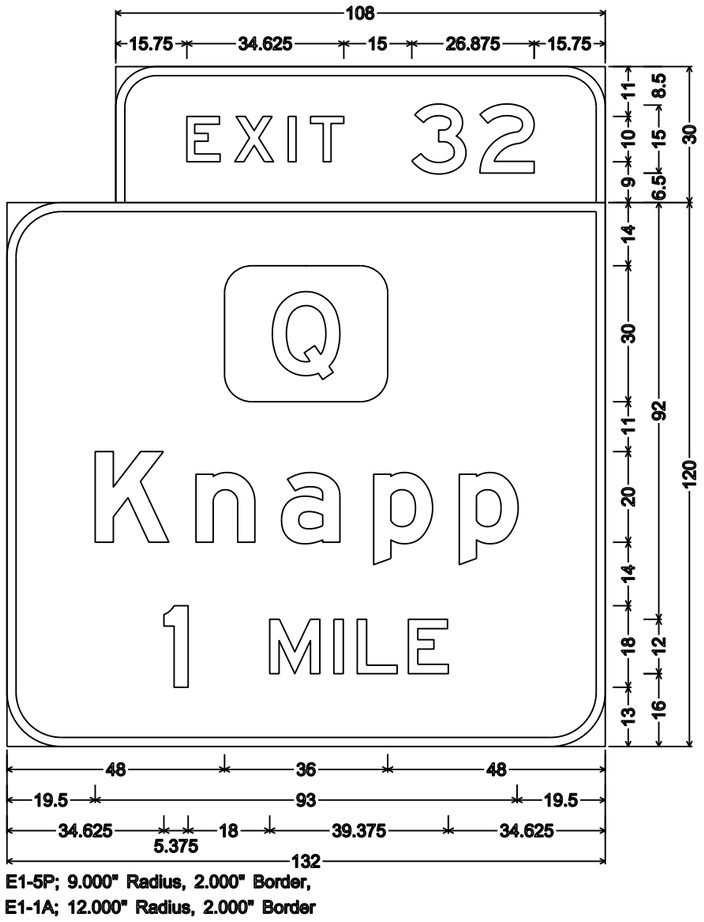
STANDARD SIGN
W013-1

WISCONSIN DEPT OF TRANSPORTATION

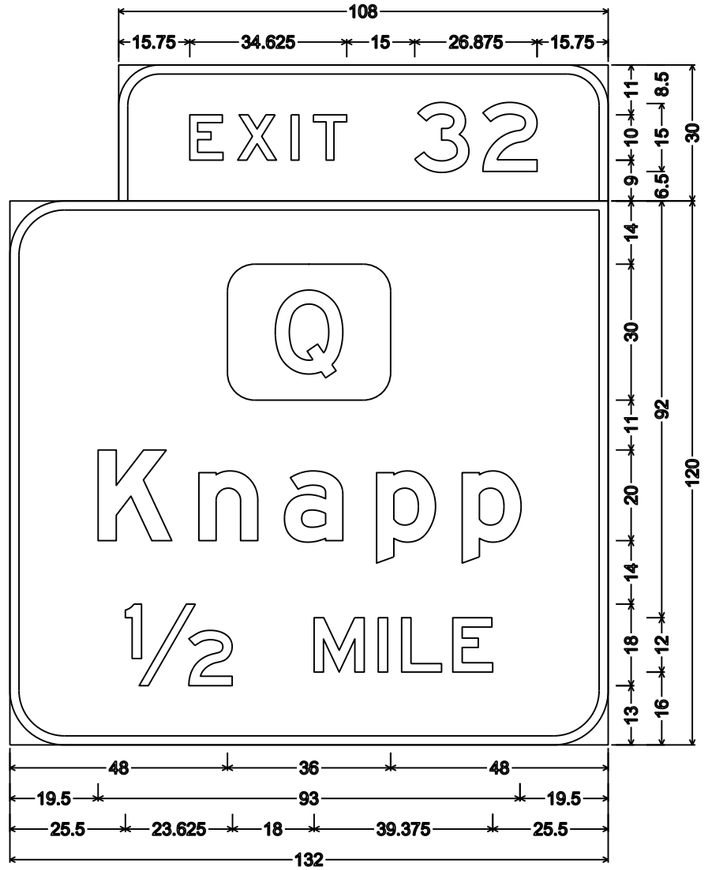
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/21/13 PLATE 705 W013-1.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



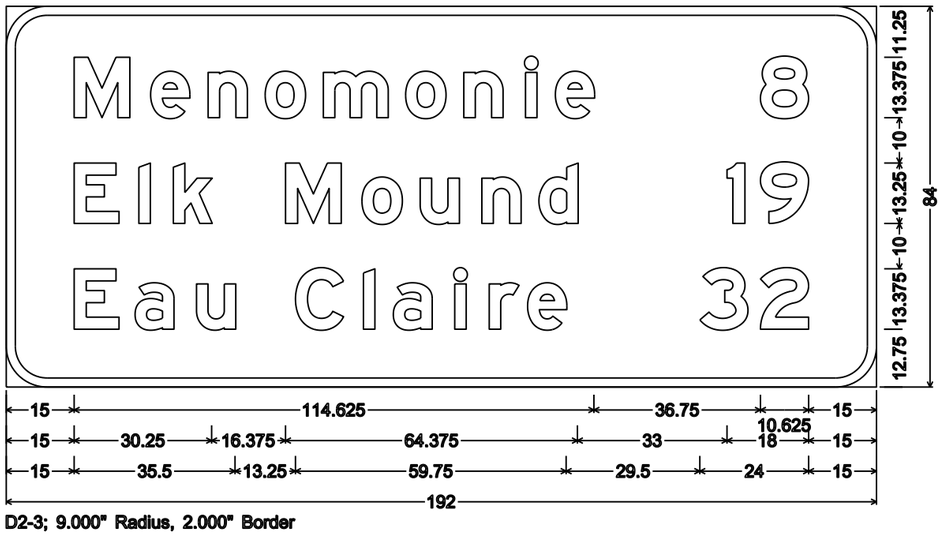
E1-5P; 9.000" Radius, 2.000" Border,
E1-1A; 12.000" Radius, 2.000" Border



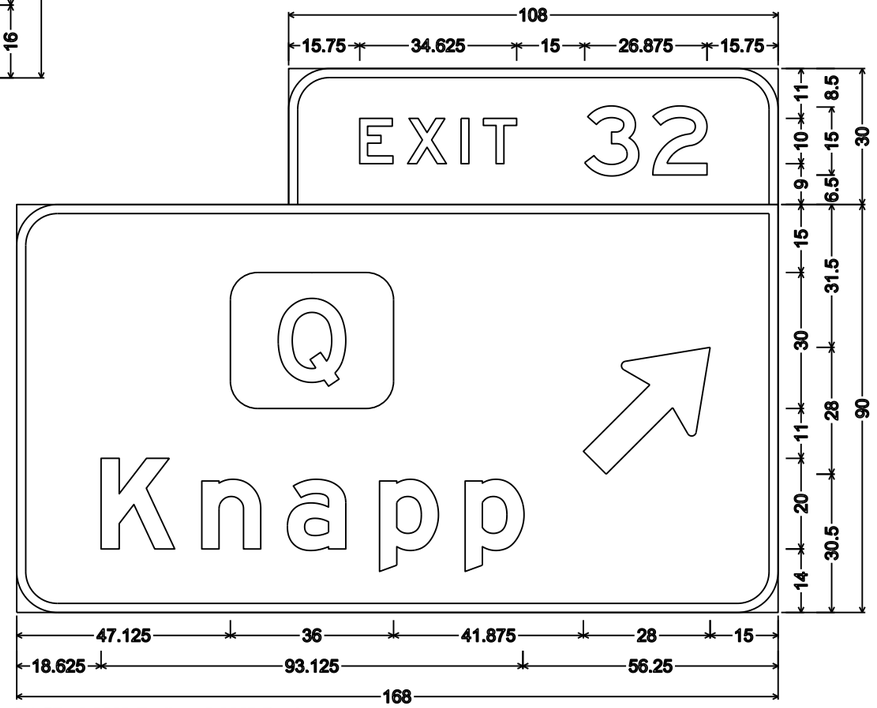
E1-5P; 9.000" Radius, 2.000" Border,
E1-1A; 12.000" Radius, 2.000" Border

NOTES

1. Sign is Type I - Type SH Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E Modified except all Cap Words Series E.



D2-3; 9.000" Radius, 2.000" Border

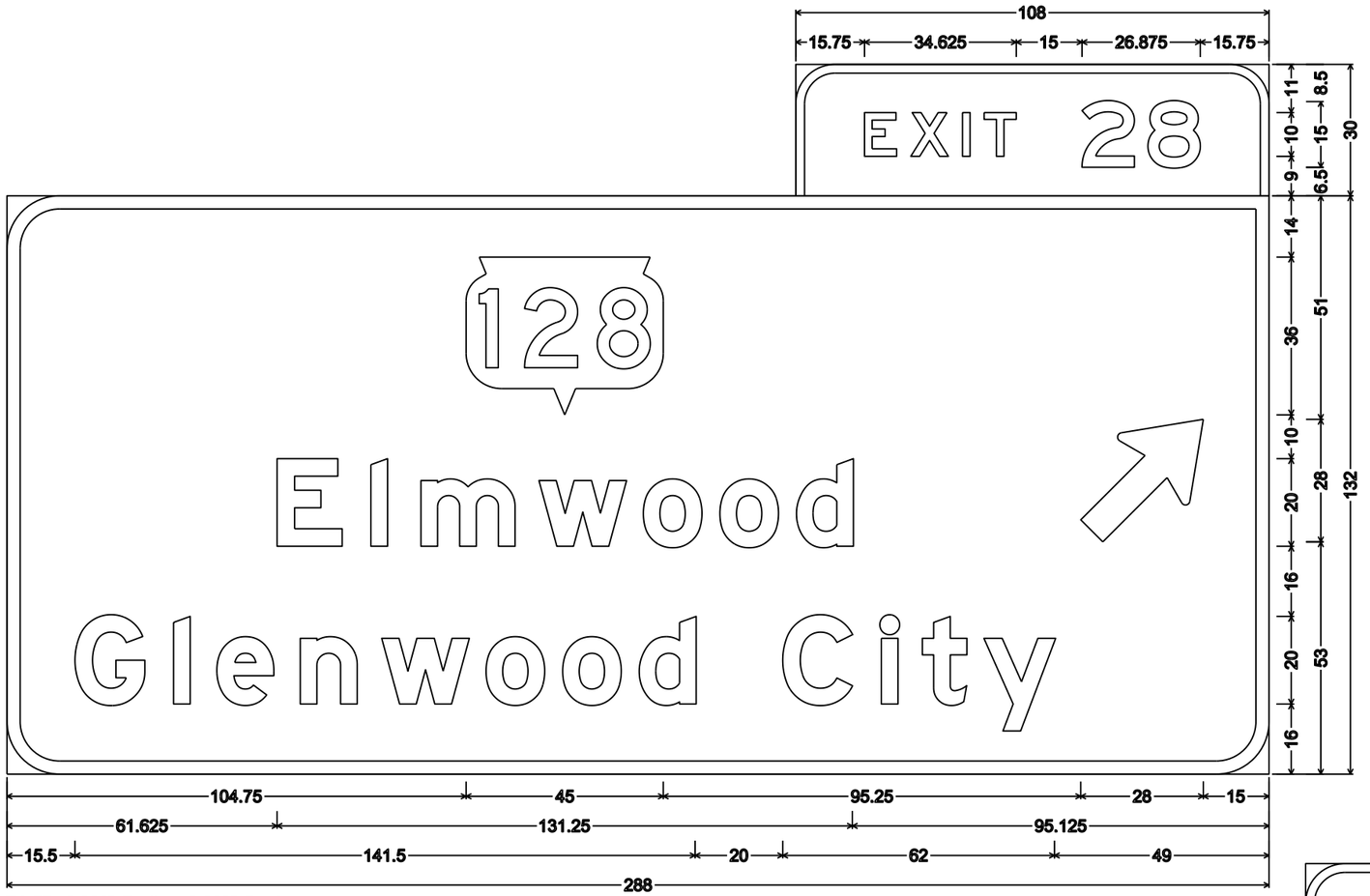


E1-5P; 9.000" Radius, 2.000" Border,
E4-1A; 9.000" Radius, 2.000" Border

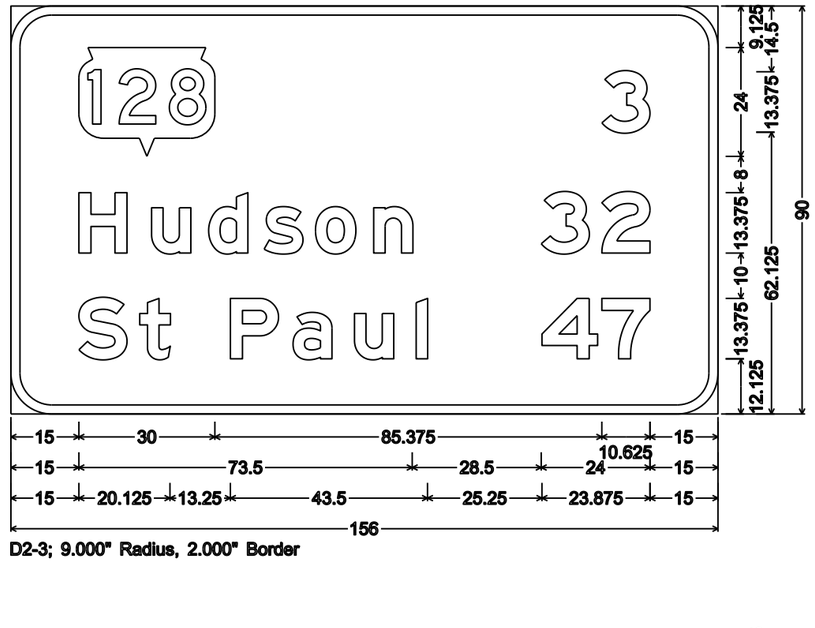
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: DUNN	PERMANENT SIGNING	SHEET NO: 706	E

NOTES

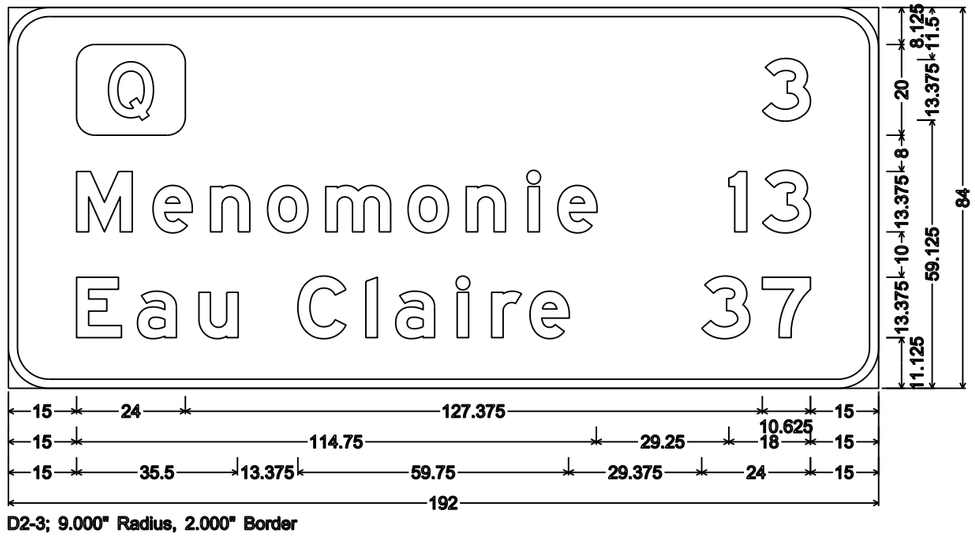
1. Sign is Type I - Type SH Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E Modified except all Cap Words Series E.



E1-5P; 9.000" Radius, 2.000" Border,
E4-1A; 12.000" Radius, 3.000" Border



D2-3; 9.000" Radius, 2.000" Border

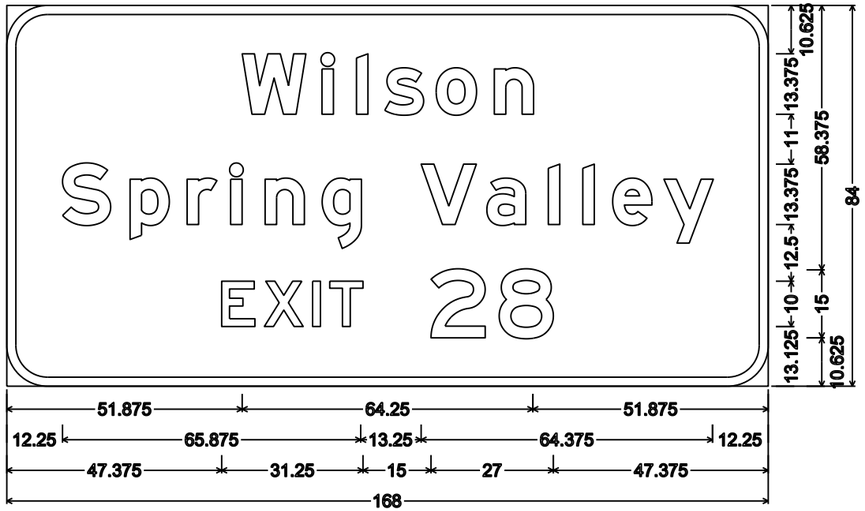


D2-3; 9.000" Radius, 2.000" Border

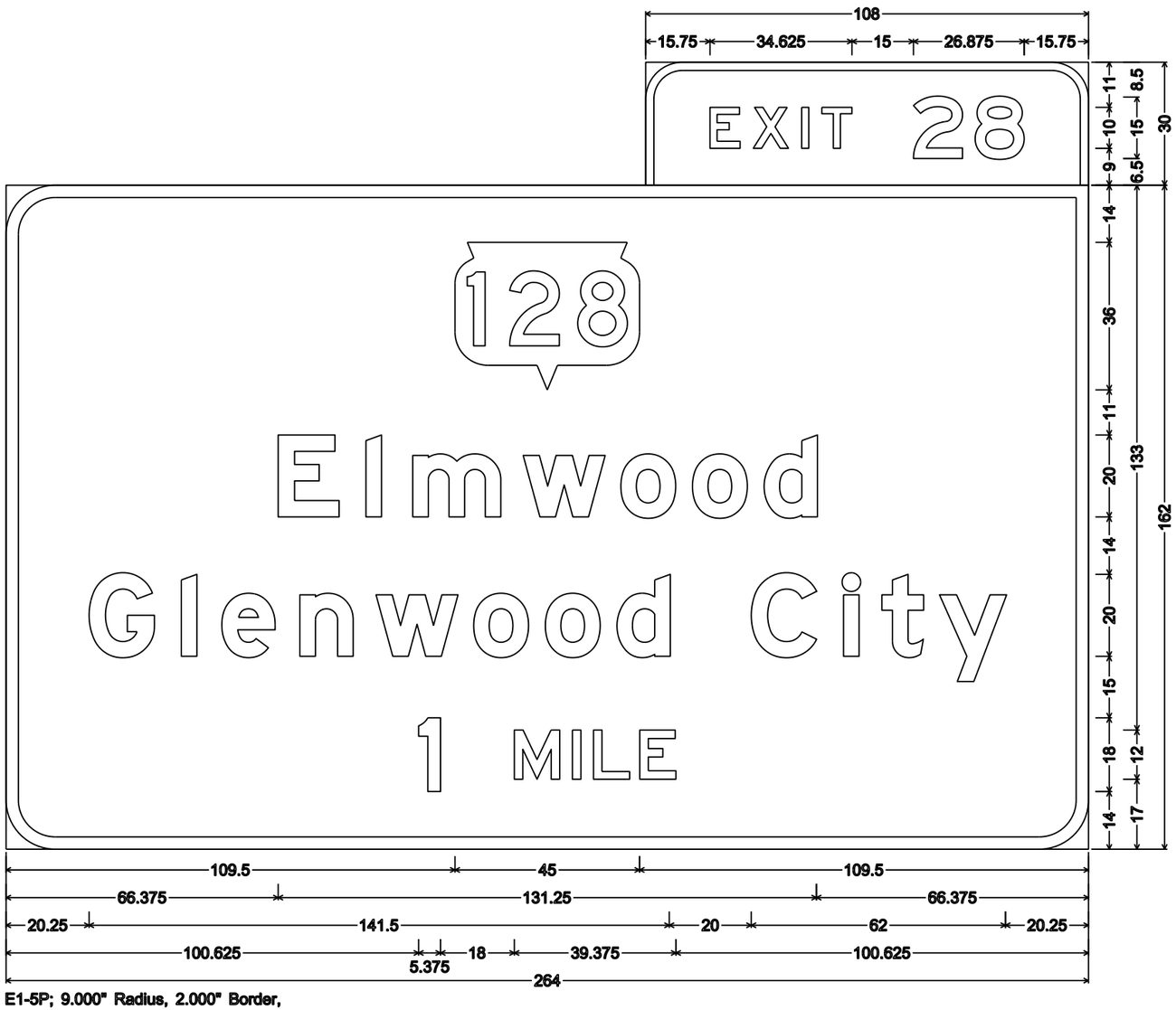
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: DUNN	PERMANENT SIGNING	SHEET NO: 707	E

NOTES

1. Sign is Type I - Type SH Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E Modified except all Cap Words Series E.



E3-1; 9.000" Radius, 2.000" Border



E1-5P; 9.000" Radius, 2.000" Border,
E1-1A; 12.000" Radius, 3.000" Border

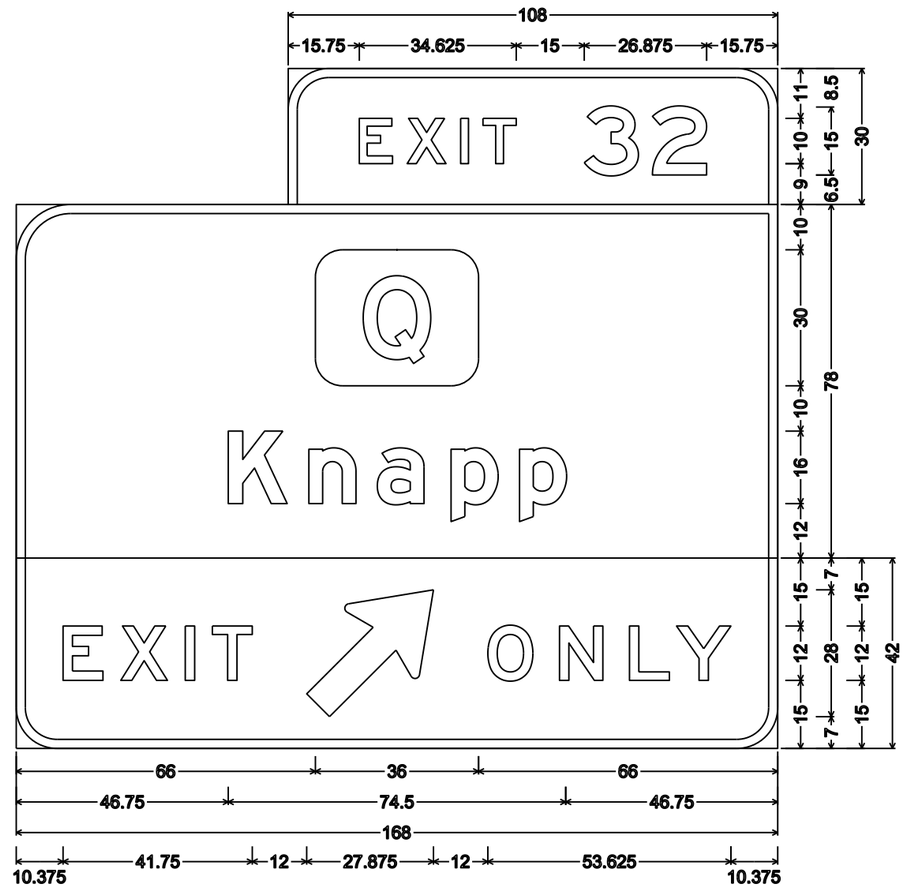
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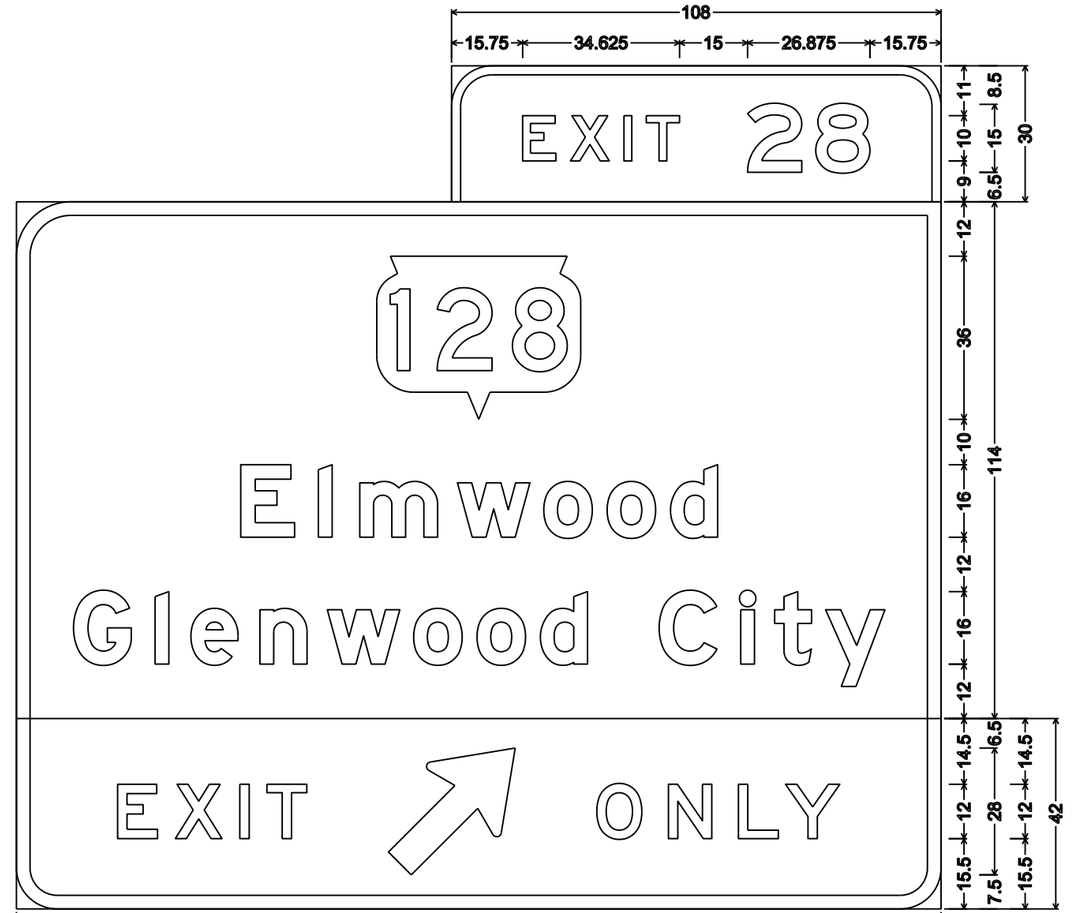
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: DUNN	PERMANENT SIGNING	SHEET NO: 708	E

NOTES

1. Sign is Type I - Type SH Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E Modified except all Cap Words Series E.
4. Exit Only Panel on Type F Yellow Reflective Sheeting
   with Black Non-Reflective Message



E1-5P; 9.000" Radius, 2.000" Border, White on Green;
E6-1; 12.000" Radius, 2.000" Border, White on Green;
E11-1D; 9.000" Radius, 2.000" Border, Black on Yellow



E1-5P; 9.000" Radius, 2.000" Border, White on Green;
E6-1; 12.000" Radius, 3.000" Border, White on Green;
E11-1D; 9.000" Radius, 3.000" Border, Black on Yellow

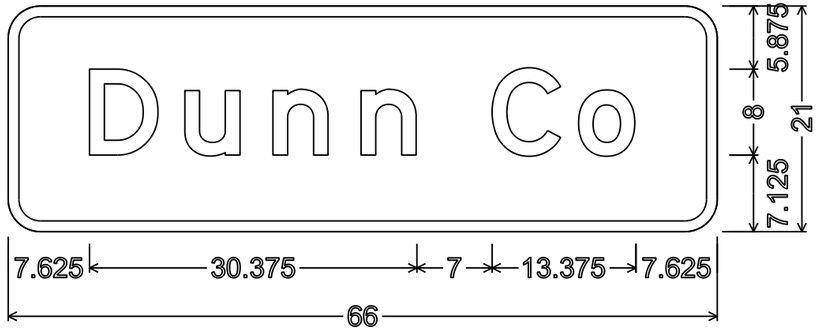
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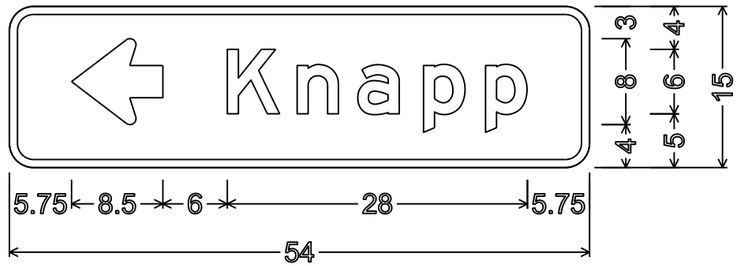
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NOTES

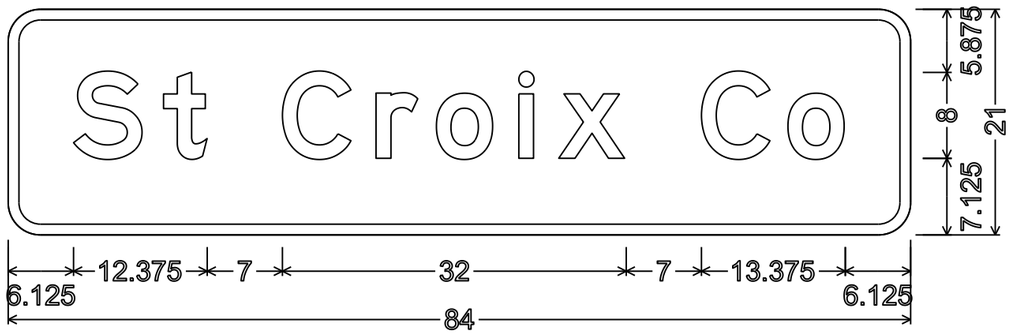
1. Sign is Type II - Type H Reflective
2. Color:
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   Message - White
3. Message Series - E



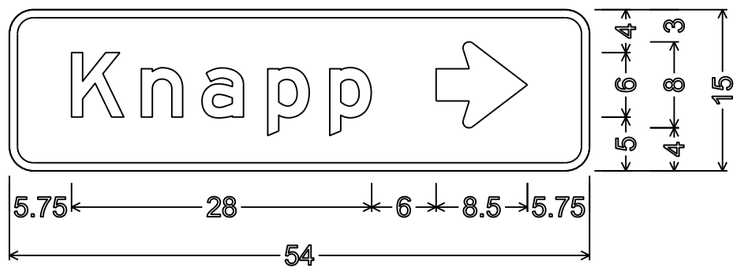
3.000" Radius, 1.000" Border



D1-1; 2.250" Radius, 0.750" Border



3.000" Radius, 1.000" Border



D1-1; 2.250" Radius, 0.750" Border

7

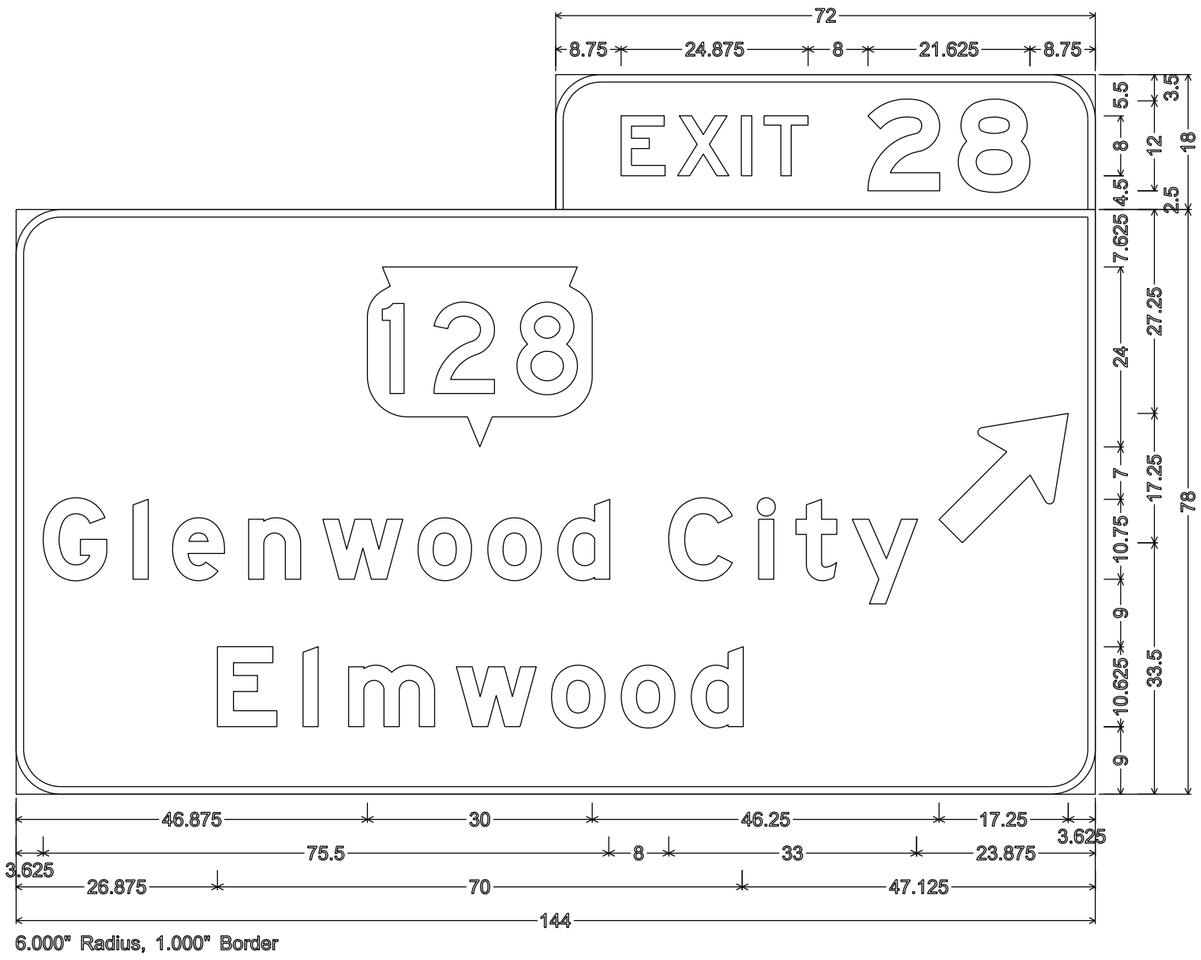
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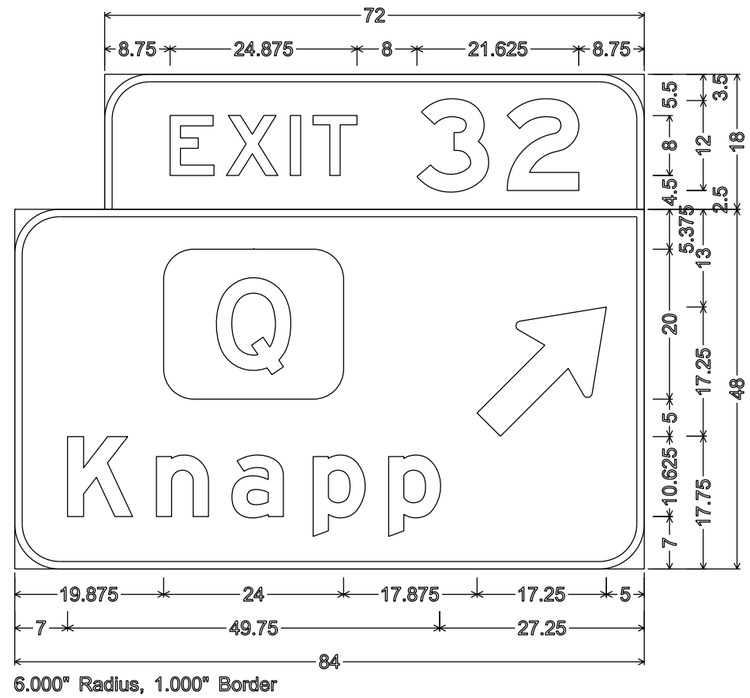
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: DUNN	PERMANENT SIGNING	SHEET NO: 710	E

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NOTES

1. Fixed Message Type II Signs - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E Modified except all CAP words Series E





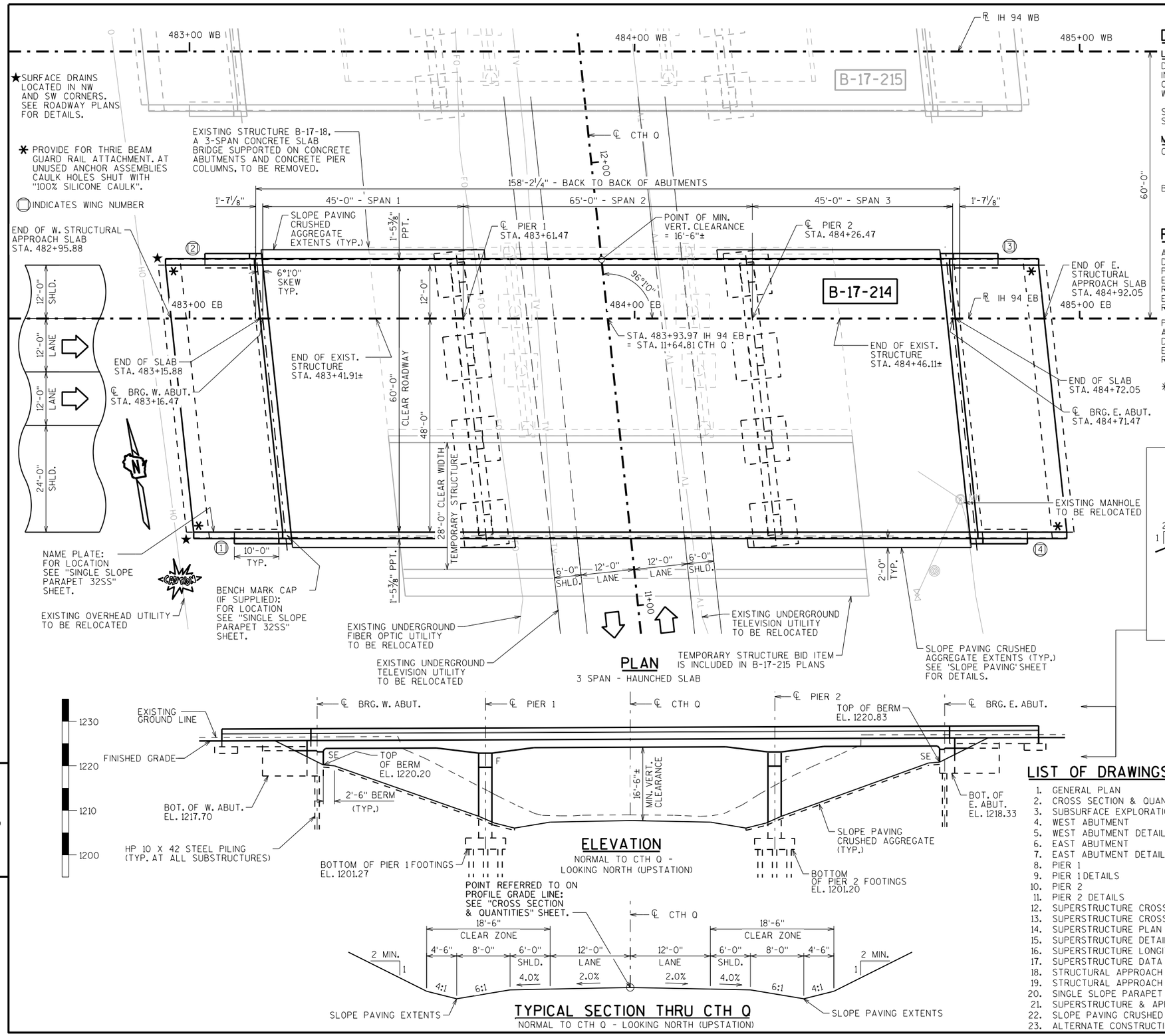
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST CROIX/DUNN	TEMPORARY SIGNING	SHEET NO: 711	E

STATE PROJECT NUMBER

1022-07-76



PLAN

3 SPAN - HAUNCHED SLAB

ELEVATION

NORMAL TO CTH Q - LOOKING NORTH (UPSTATION)

TYPICAL SECTION THRU CTH Q

NORMAL TO CTH Q - LOOKING NORTH (UPSTATION)

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.10
OPERATING RATING FACTOR: RF = 1.44
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 230 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
SUPERSTRUCTURE & STRUCTURAL APPROACH SLAB — f'c = 4,000 P.S.I.
ALL OTHER — f'c = 3,500 P.S.I.

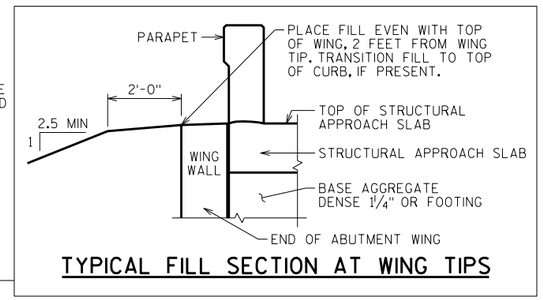
BAR STEEL REINFORCEMENT:
GRADE 60 — fy = 60,000 P.S.I.
STAINLESS, GRADE 60 — fy = 60,000 P.S.I.

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON HP 10 X 42 STEEL PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 180 TONS ✱✱ PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED 50 FEET LONG AT WEST ABUTMENT WITH PILE POINTS REQUIRED.
ESTIMATED 45 FEET LONG AT EAST ABUTMENT WITH PILE POINTS REQUIRED.

PIER TO BE SUPPORTED ON HP 10 X 42 STEEL PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 180 TONS ✱✱ PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED 35 FEET LONG AT BOTH PIERS WITH PILE POINTS REQUIRED.

✱✱ THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.



TYPICAL FILL SECTION AT WING TIPS

TRAFFIC VOLUME

IH 94 EB
ADT = 45,000 (2039)
R.D.S. = 70 M.P.H.

CTH Q
ADT = 710 (2039)
R.D.S. = 60 M.P.H.

STRUCTURE DESIGN CONTACTS:

STACIE WEIS	(608) 261-6109
AARON BONK	(608) 261-0261

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. PIER 1
9. PIER 1 DETAILS
10. PIER 2
11. PIER 2 DETAILS
12. SUPERSTRUCTURE CROSS SECTIONS 1
13. SUPERSTRUCTURE CROSS SECTIONS 2
14. SUPERSTRUCTURE PLAN
15. SUPERSTRUCTURE DETAILS
16. SUPERSTRUCTURE LONGITUDINAL SECTIONS
17. SUPERSTRUCTURE DATA
18. STRUCTURAL APPROACH SLABS
19. STRUCTURAL APPROACH SLAB DETAILS
20. SINGLE SLOPE PARAPET 32SS
21. SUPERSTRUCTURE & APPROACH SLAB BAR DETAILS
22. SLOPE PAVING CRUSHED AGGREGATE
23. ALTERNATE CONSTRUCTION JOINT

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED William C. Dreher 7/25/18
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-17-214

IH 94 EB OVER CTH Q

COUNTY	TOWN
DUNN	LUCAS

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
SEW	VT	SEW/JPH	SEW

GENERAL PLAN

SHEET 1 OF 23

712

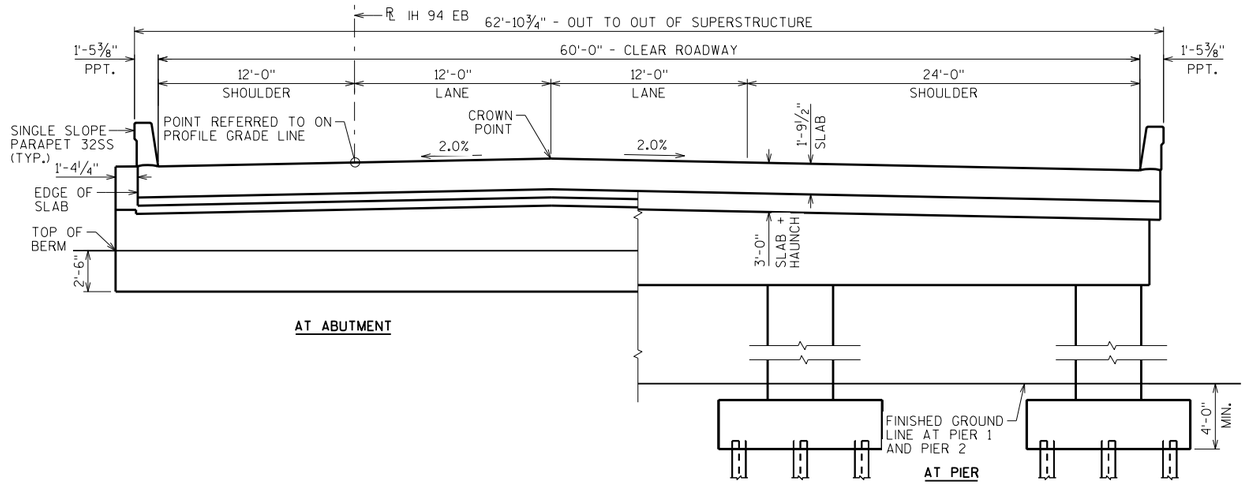
I.D. 1022-07-06E

DATE: MAY 2018

SCALE = 11.00

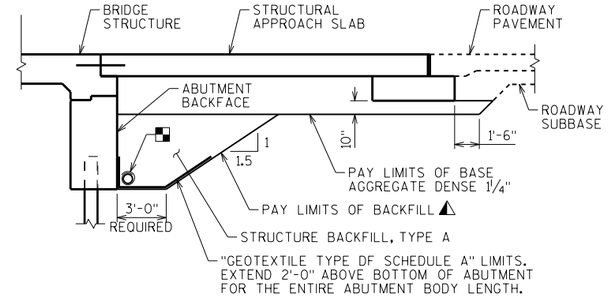
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8



CROSS SECTION THRU BRIDGE

LOOKING EAST



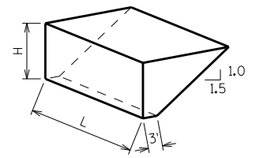
TYPICAL SECTION THRU ABUTMENT

◭ 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.

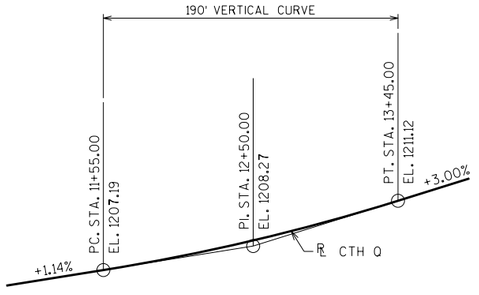
STATE PROJECT NUMBER

1022-07-76

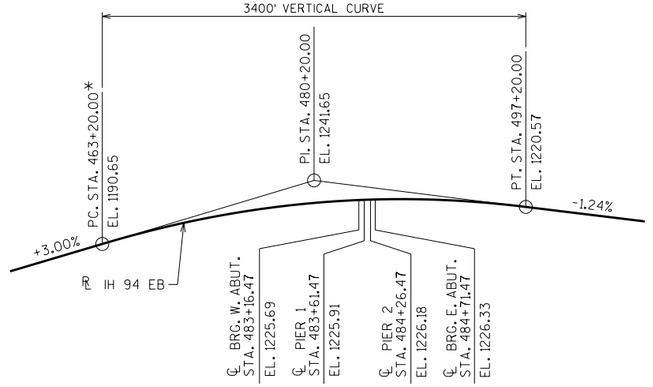


ABUTMENT BACKFILL DIAGRAM FOR WINGS PARALLEL TO ROADWAY

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)



PROFILE GRADE LINE - CTH Q



PROFILE GRADE LINE - IH 94 EB

*NOTE: THE VPC STATION IS A MODIFIED VALUE. SEE ROADWAY PLANS FOR THE STATION EQUATIONS USED.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	WEST APPROACH	WEST ABUT.	PIER 1	PIER 2	EAST ABUT.	EAST APPROACH	TOTALS
203.0200	REMOVING OLD STRUCTURE STA. 483+93.97 EB	LS	———	———	———	———	———	———	———	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-17-214	LS	———	———	———	———	———	———	———	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	———	———	125	———	———	125	———	250
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	———	196	———	———	———	———	196	392
502.0100	CONCRETE MASONRY BRIDGES	CY	771	84	51	102	103	51	84	1,246
502.3200	PROTECTIVE SURFACE TREATMENT	SY	1,075	135	———	———	———	———	135	1,345
502.3210	PIGMENTED SURFACE SEALER	SY	130	20	———	———	———	———	20	170
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	———	———	4,020	2,870	2,870	4,020	———	13,780
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	155,720	14,160	1,240	15,420	15,500	1,240	14,160	217,440
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	570	———	———	———	———	———	———	570
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	———	———	16	———	———	16	———	32
550.0500	PILE POINTS	EACH	———	———	9	36	36	9	———	90
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF	———	———	450	1,260	1,260	405	———	3,375
604.0500	SLOPE PAVING CRUSHED AGGREGATE	SY	———	———	391	———	———	391	———	782
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	———	———	130	———	———	130	———	260
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	4	———	———	———	———	———	———	4
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	———	———	70	———	———	70	———	140
	NON-BID ITEMS									
	FILLER	SIZE	———	———	———	———	———	———	———	½", ¾", 1½"

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.

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. ALSO EXCLUDED IS THE "BASE AGGREGATE DENSE 1¼-INCH" AS DETAILED ON THE STRUCTURAL APPROACH SLAB SHEETS.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF HAUNCHED SLAB AND APPROACH SLAB SURFACES AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGMS.

PIGMENTED PROTECTIVE SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS, INCLUDING PARAPETS ON STRUCTURAL 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.

TEMPORARY STRUCTURE BID ITEM IS INCLUDED IN B-17-215 PLANS.

TEMPORARY SHORING IS INCLUDED IN BID ITEM "TEMPORARY STRUCTURE STA. 483+44.69 EB". BID ITEM ON B-17-215 PLANS.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B-17-214" SHALL BE THE EXISTING GROUNDLINE.

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.

SLAB FALSEWORK SHALL BE SUPPORTED ON PILES OR THE SUBSTRUCTURE, UNLESS AN ALTERNATE METHOD IS APPROVED BY THE ENGINEER.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-17-214

DRAWN BY SEW/JPH | PLANS CK'D. SEW

CROSS SECTION & QUANTITIES

SHEET 2

713

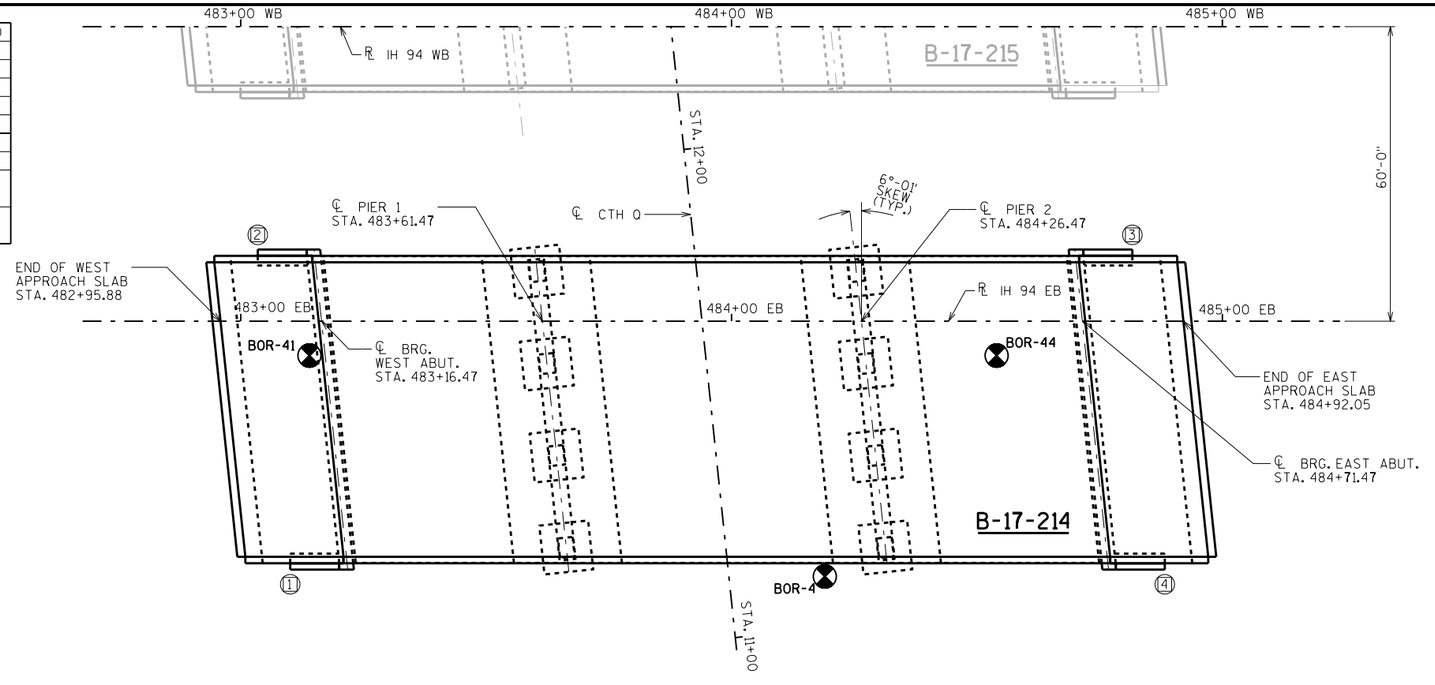
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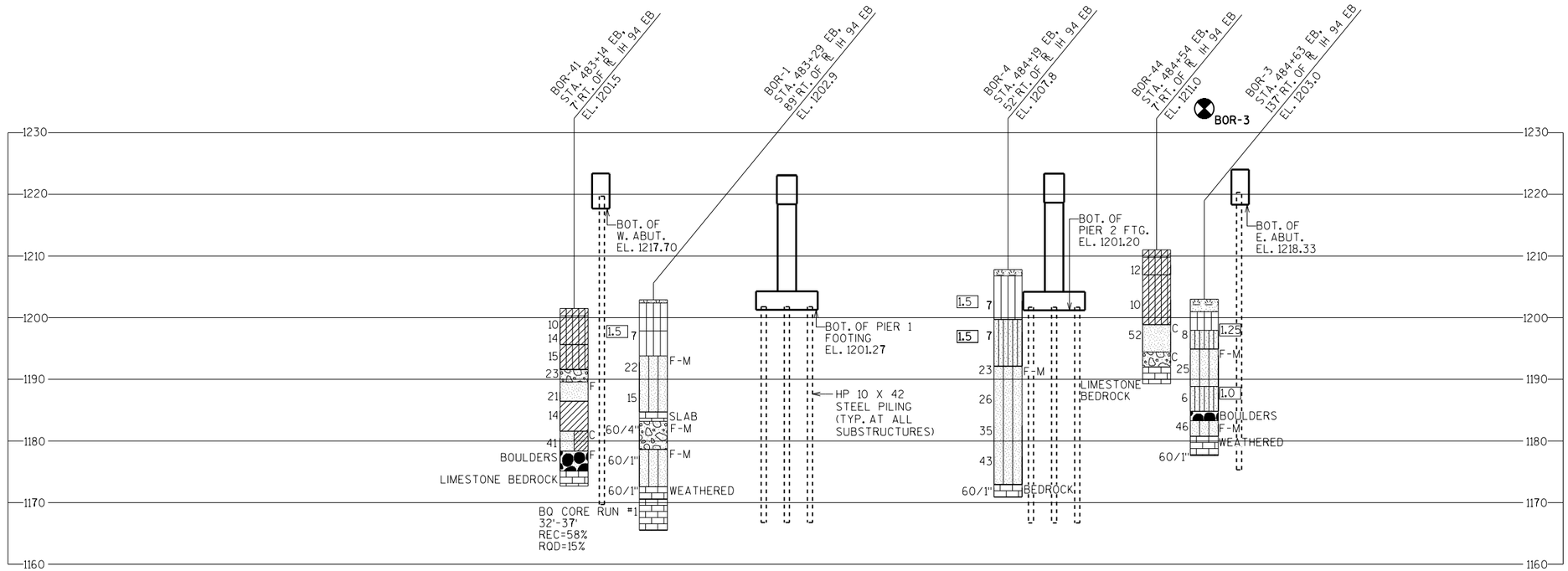
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SCALE = 4.50

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
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3	11/07/2017	186786	112660
4	11/07/2017	186875	112621
41	7/03/1957	186928	112523
44	7/03/1957	186911	112662
BORINGS COMPLETED BY: WISDOT			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) DUNN COUNTY			
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT			

INDICATES WING NUMBER





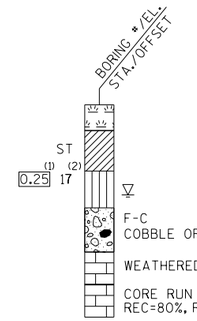
STATE PROJECT NUMBER

1022-07-76

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-17-214

DRAWN BY JPH | PLANS CK'D. SEW

SUBSURFACE EXPLORATION

SHEET 3

714

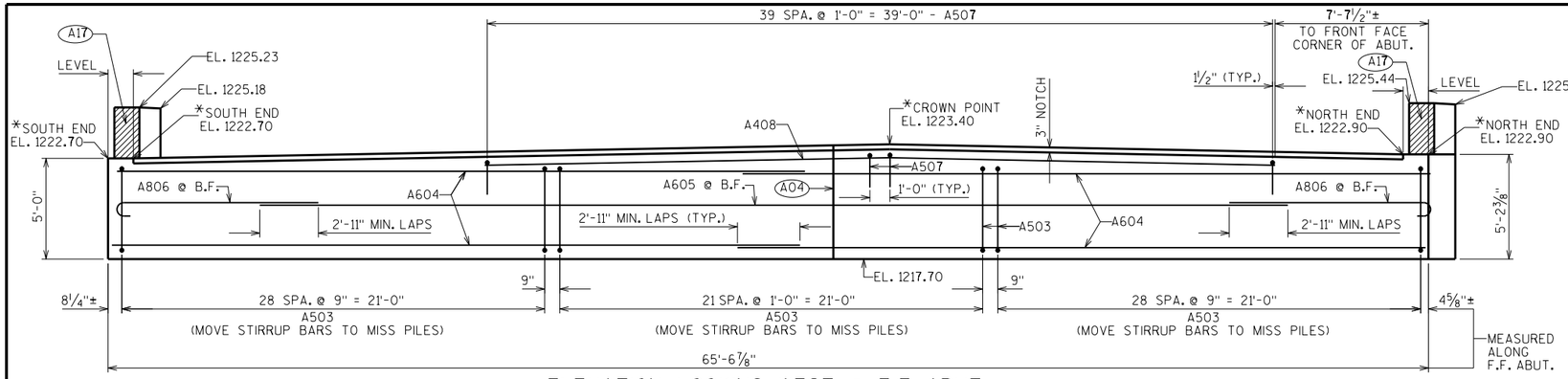
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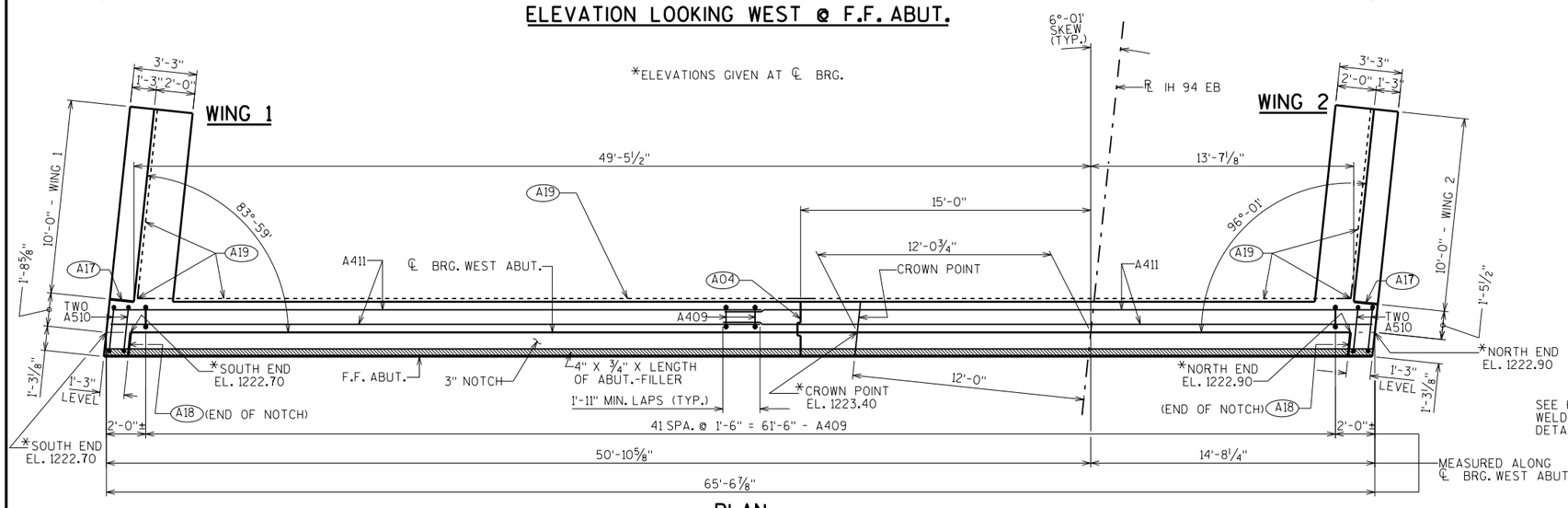
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STATE PROJECT NUMBER

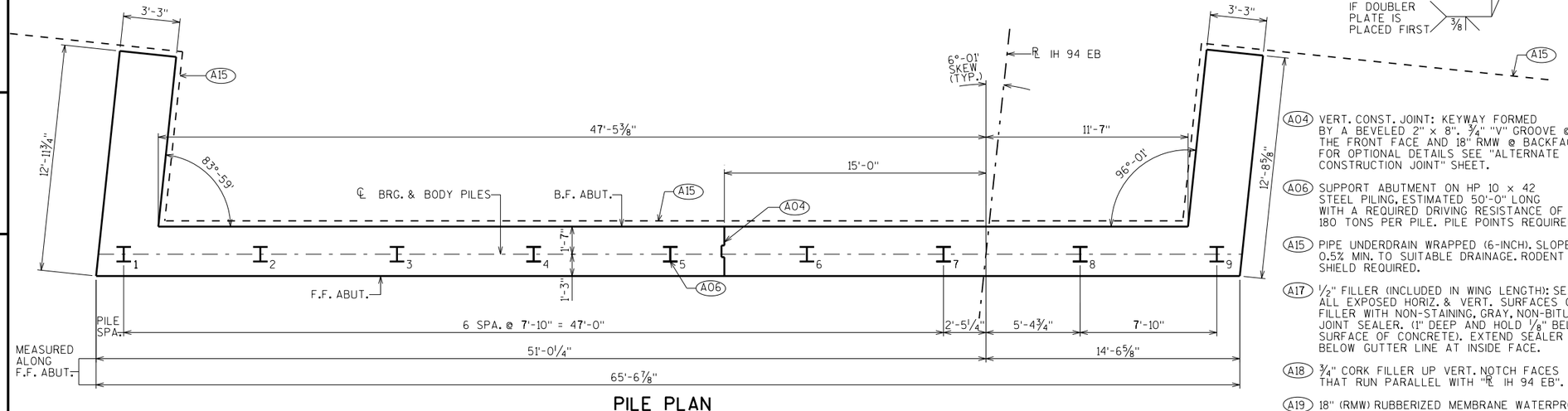
1022-07-76



ELEVATION LOOKING WEST @ F.F. ABUT.

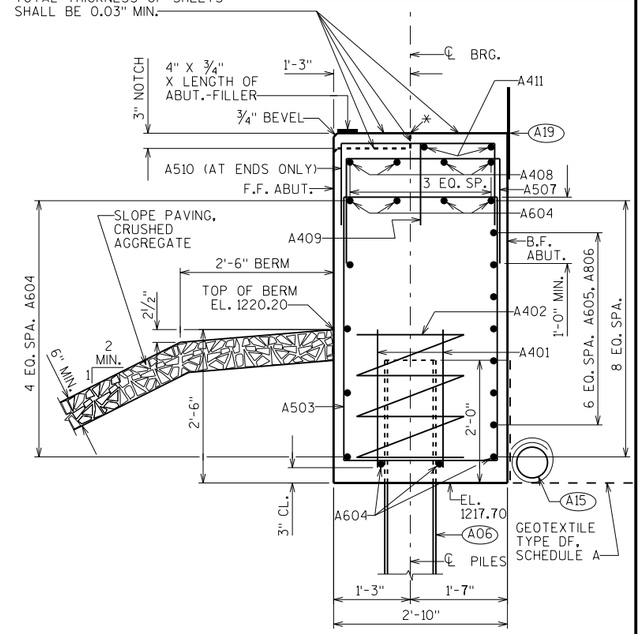


PLAN

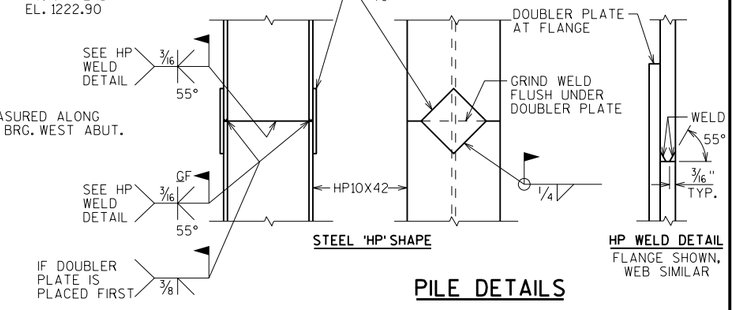


PILE PLAN

STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING SUPERSTRUCTURE. TOTAL THICKNESS OF SHEETS SHALL BE 0.03" MIN.



SECTION THRU BODY



STEEL 'HP' SHAPE

HP WELD DETAIL
FLANGE SHOWN, WEB SIMILAR

PILE DETAILS

(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.

(A06) SUPPORT ABUTMENT ON HP 10 x 42 STEEL PILING, ESTIMATED 50'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE. PILE POINTS REQUIRED.

(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. NOTCH FACES THAT RUN PARALLEL WITH "℄ IH 94 EB".

(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-17-214

DRAWN BY JPH | PLANS CK'D. SEW

WEST ABUTMENT

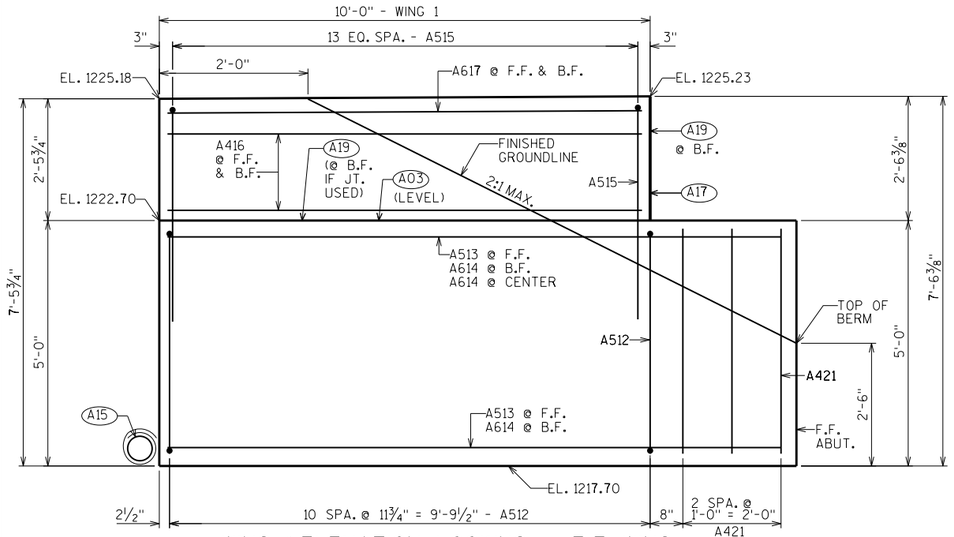
SHEET 4

715

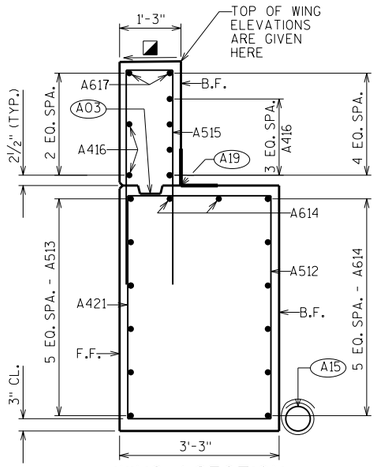
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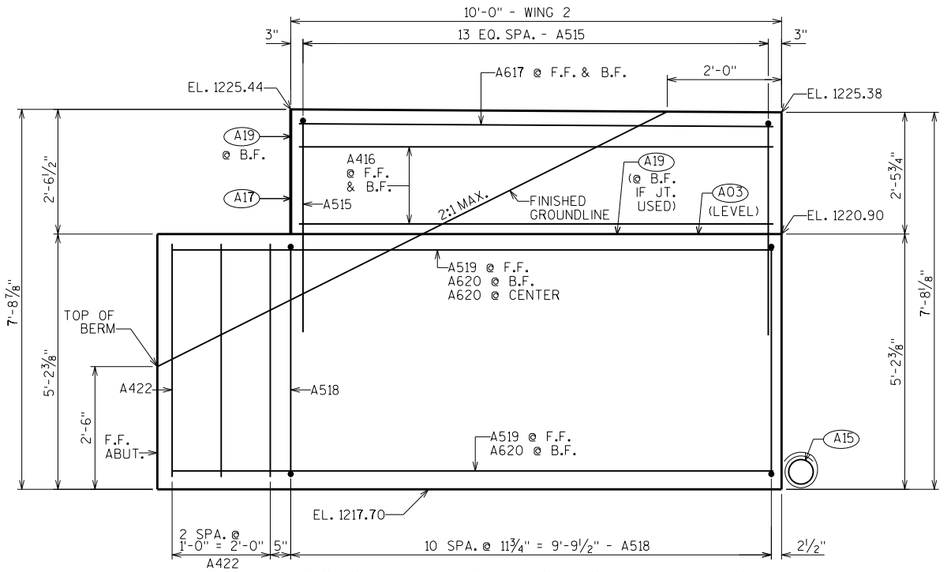
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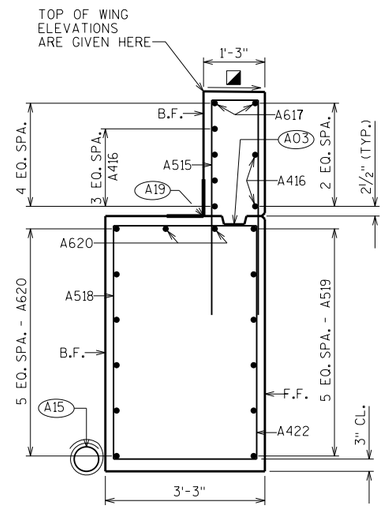
WING 1 ELEVATION LOOKING @ F.F. WING



WING 1 SECTION



WING 2 ELEVATION LOOKING @ F.F. WING



WING 2 SECTION

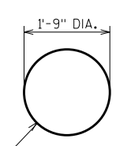
STATE PROJECT NUMBER

1022-07-76

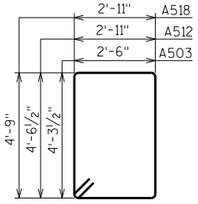
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

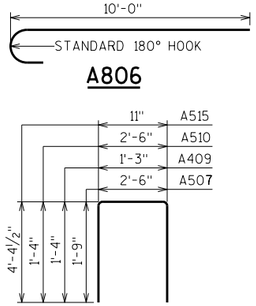
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
A401		18	2'-3"		BODY-BOT.-2 PER BODY PILE-VERT.
A402		9	28'-0"	X	BODY-BOT.-SPIRAL-1 PER BODY PILE-VERT.
A503		80	14'-3"	X	BODY-STIRRUPS-VERT.
A604		22	34'-2"		BODY-HORIZONTAL-END TO END
A605		7	51'-2"		BODY-HORIZONTAL-B.F.-AT CENTER
A806		14	10'-11"	X	BODY-HORIZONTAL-B.F.-AT BOTH ENDS
A507		40	5'-9"	X	BODY-TOP-VERT.-UNDER NOTCH
A408		4	39'-3"		BODY-TOP-HORIZ.-UNDER NOTCH
A409		42	3'-9"	X	BODY-TOP-VERT.-ALONG NOTCH
A510		4	4'-11"	X	BODY-TOP-VERT.-AT ENDS ONLY
A411		4	33'-7"		BODY-TOP-HORIZ.-END TO END
A512	X	11	15'-7"	X	WING 1-BOT.-STIRRUP-VERT.
A513	X	6	12'-6"		WING 1-BOT.-HORIZONTAL-F.F.
A614	X	8	12'-0"		WING 1-BOT.-HORIZONTAL-B.F. & CENTER
A515	X	28	9'-5"	X	WINGS 1&2-TOP-VERTICAL
A416	X	12	9'-8"		WINGS 1&2-TOP-HORIZONTAL-B.F. & F.F.
A617	X	4	9'-8"		WINGS 1&2-TOP-HORIZONTAL-B.F. & F.F.
A518	X	11	16'-0"	X	WING 2-BOT.-STIRRUP-VERT.
A519	X	6	12'-3"		WING 2-BOT.-HORIZONTAL-F.F.
A620	X	8	12'-2"		WING 2-BOT.-HORIZONTAL-B.F. & CENTER
A421	X	3	4'-7"		WING 1/BODY-BOT.-VERT.-F.F.
A422	X	3	4'-9"		WING 2/BODY-BOT.-VERT.-F.F.



A402



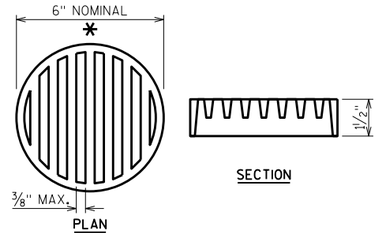
A503 A512 A518



A806

A507 A409 A510 A515

FINISH SMOOTH - SLOPE TO DRAIN



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" × 6". (18" RMW @ B.F. & ¾" "V" GROOVE @ F.F. IF JOINT IS USED).

(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.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-17-214

DRAWN BY JPH | PLANS CK'D. SEW

WEST ABUTMENT DETAILS

SHEET 5

716

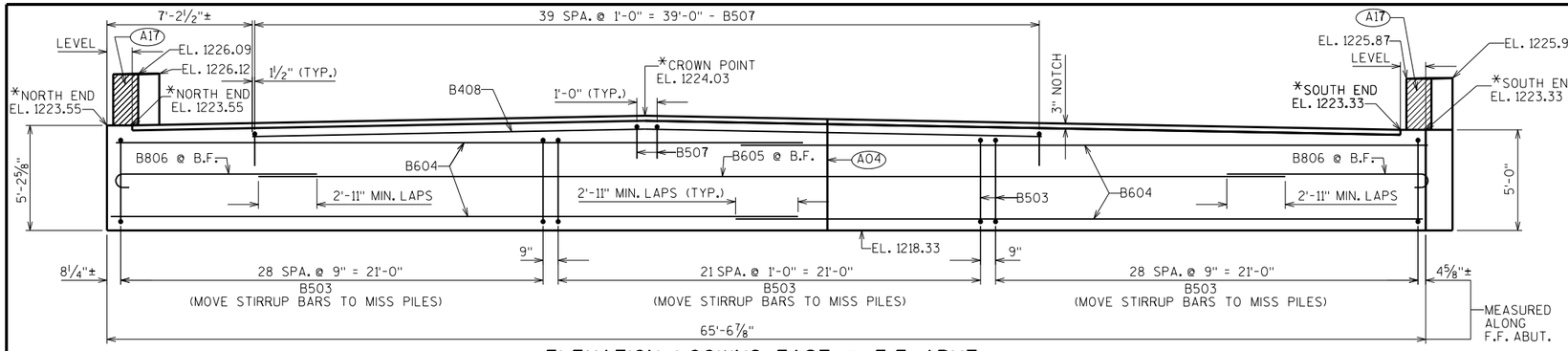
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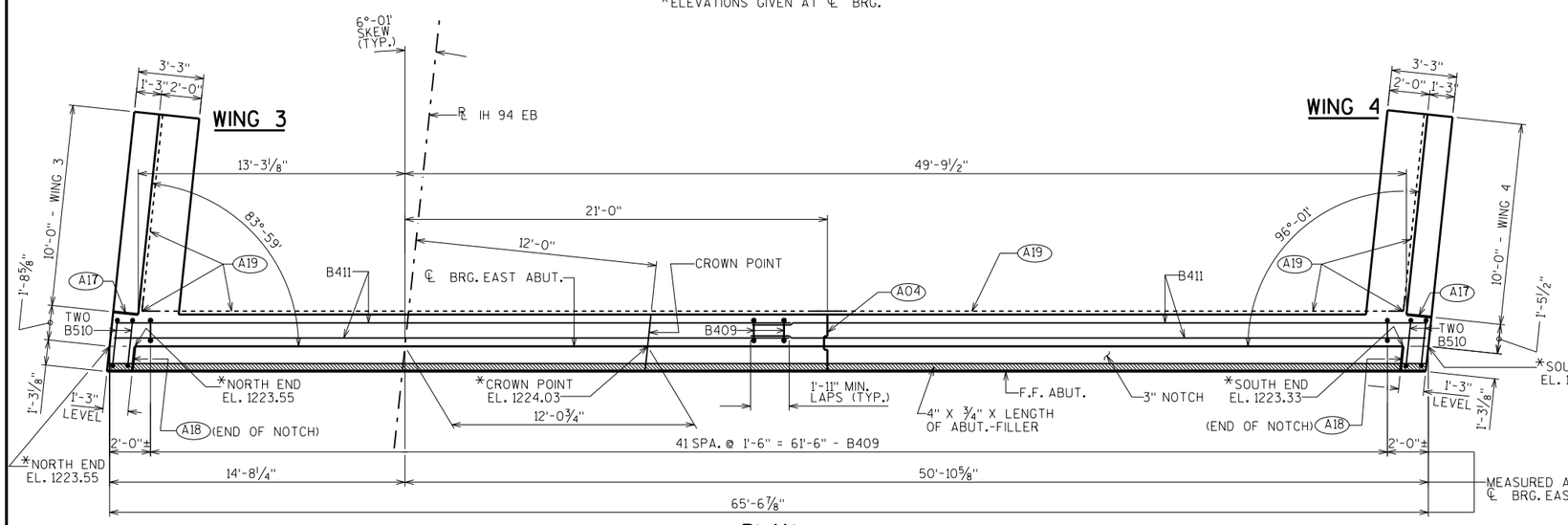
STATE PROJECT NUMBER

1022-07-76

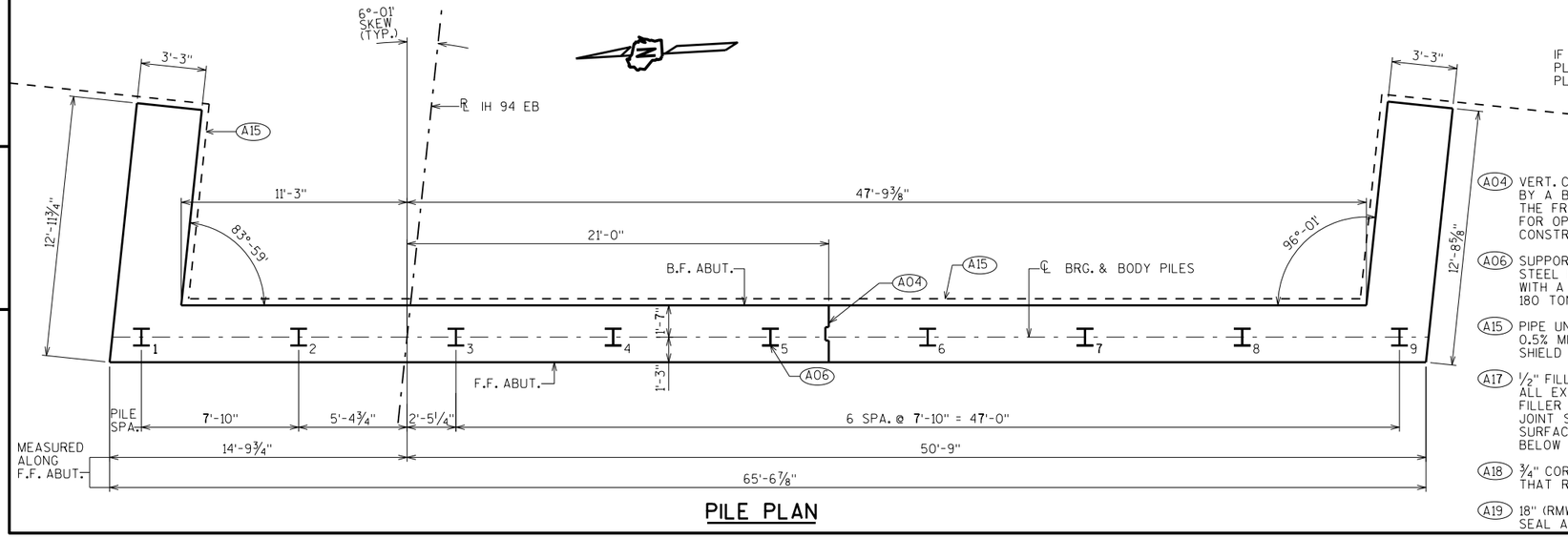


ELEVATION LOOKING EAST @ F.F. ABUT.

*ELEVATIONS GIVEN AT ℄ BRG.

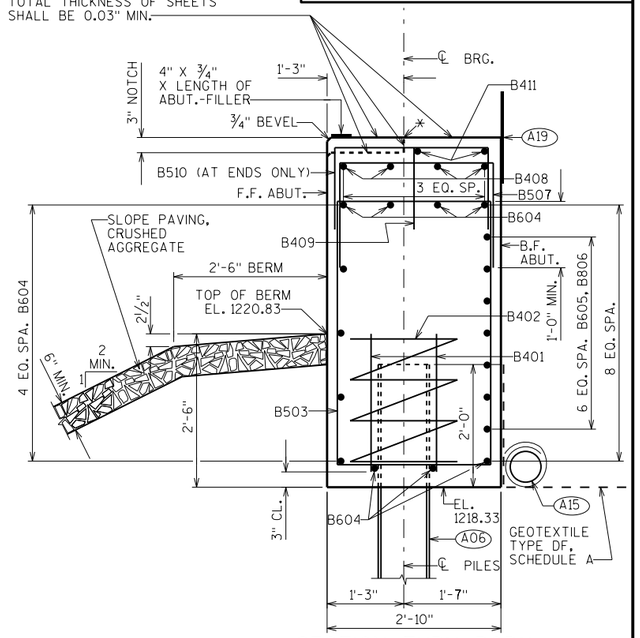


PLAN

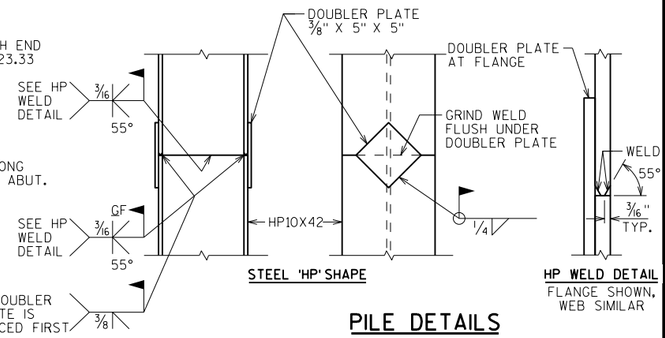


PILE PLAN

STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING SUPERSTRUCTURE. TOTAL THICKNESS OF SHEETS SHALL BE 0.03" MIN.



SECTION THRU BODY



STEEL 'HP' SHAPE

HP WELD DETAIL

FLANGE SHOWN, WEB SIMILAR

PILE DETAILS

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.

A06 SUPPORT ABUTMENT ON HP 10 x 42 STEEL PILING, ESTIMATED 45'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE. PILE POINTS REQUIRED.

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. NOTCH FACES THAT RUN PARALLEL WITH "℄ IH 94 EB".

A19 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-17-214

DRAWN BY JPH | PLANS CK'D. SEW

EAST ABUTMENT

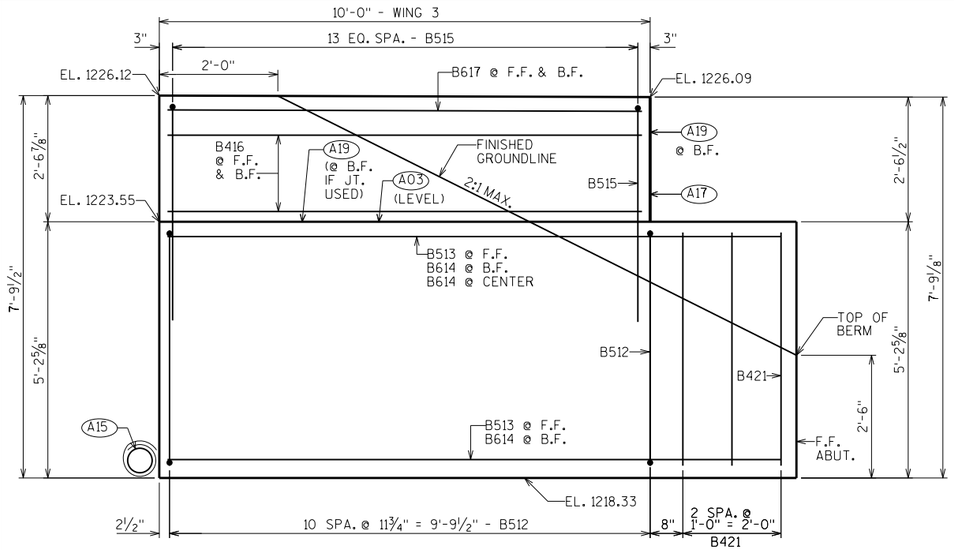
SHEET 6

717

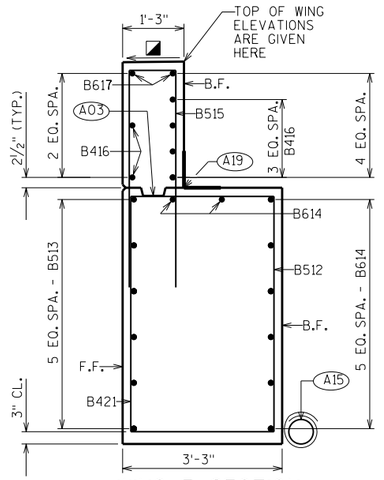
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STATE PROJECT NUMBER

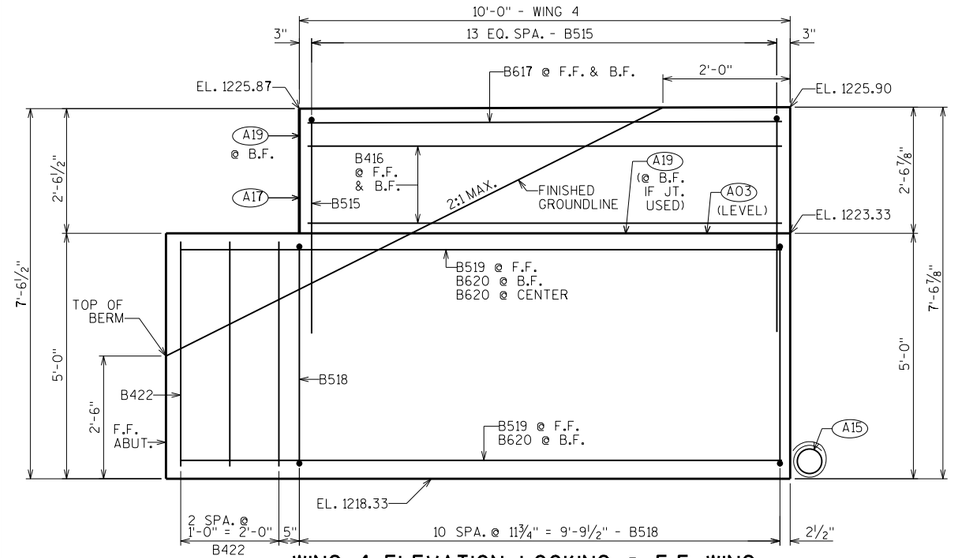
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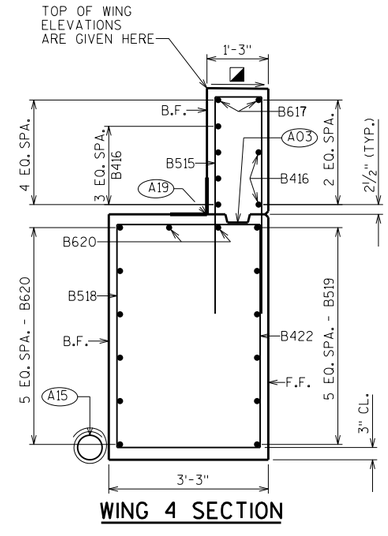
WING 3 ELEVATION LOOKING @ F.F. WING



WING 3 SECTION



WING 4 ELEVATION LOOKING @ F.F. WING

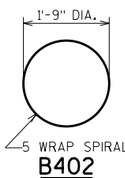


WING 4 SECTION

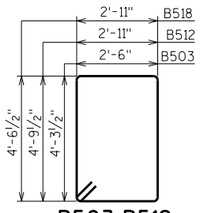
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

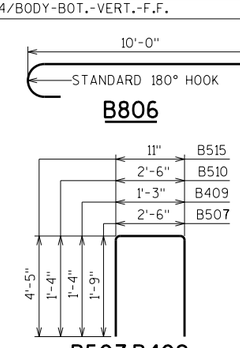
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
B401		18	2'-3"		BODY-BOT.-2 PER BODY PILE-VERT.
B402		9	28'-0"	X	BODY-BOT.-SPIRAL-1 PER BODY PILE-VERT.
B503		80	14'-3"	X	BODY-STIRRUPS-VERT.
B604		22	34'-2"		BODY-HORIZONTAL-END TO END
B605		7	51'-2"		BODY-HORIZONTAL-B.F.-AT CENTER
B806		14	10'-11"	X	BODY-HORIZONTAL-B.F.-AT BOTH ENDS
B507		40	5'-9"	X	BODY-TOP-VERT.-UNDER NOTCH
B408		4	39'-3"		BODY-TOP-HORIZ.-UNDER NOTCH-NORTH END
B409		42	3'-9"	X	BODY-TOP-VERT.-ALONG NOTCH
B510		4	4'-11"	X	BODY-TOP-VERT.-AT ENDS ONLY
B411		4	33'-7"		BODY-TOP-HORIZ.-END TO END
B512	X	11	16'-1"	X	WING 3-BOT.-STIRRUP-VERT.
B513	X	6	12'-6"		WING 3-BOT.-HORIZONTAL-F.F.
B614	X	8	12'-0"		WING 3-BOT.-HORIZONTAL-B.F. & CENTER
B515	X	28	9'-6"	X	WINGS 3&4-TOP-VERTICAL
B416	X	12	9'-8"		WINGS 3&4-TOP-HORIZONTAL-B.F. & F.F.
B617	X	4	9'-8"		WINGS 3&4-TOP-HORIZONTAL-B.F. & F.F.
B518	X	11	15'-7"	X	WING 4-BOT.-STIRRUP-VERT.
B519	X	6	12'-3"		WING 4-BOT.-HORIZONTAL-F.F.
B620	X	8	12'-2"		WING 4-BOT.-HORIZONTAL-B.F. & CENTER
B421	X	3	4'-9"		WING 3/BODY-BOT.-VERT.-F.F.
B422	X	3	4'-7"		WING 4/BODY-BOT.-VERT.-F.F.



B402



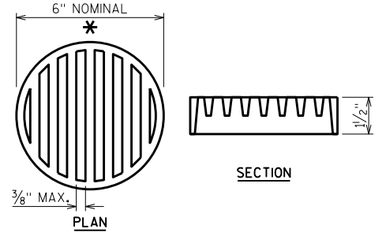
B503 B512
B518



B806

B507 B409
B510 B515

FINISH SMOOTH - SLOPE TO DRAIN



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).

(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.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-17-214

DRAWN BY JPH | PLANS CK'D. SEW

EAST ABUTMENT DETAILS

SHEET 7

718

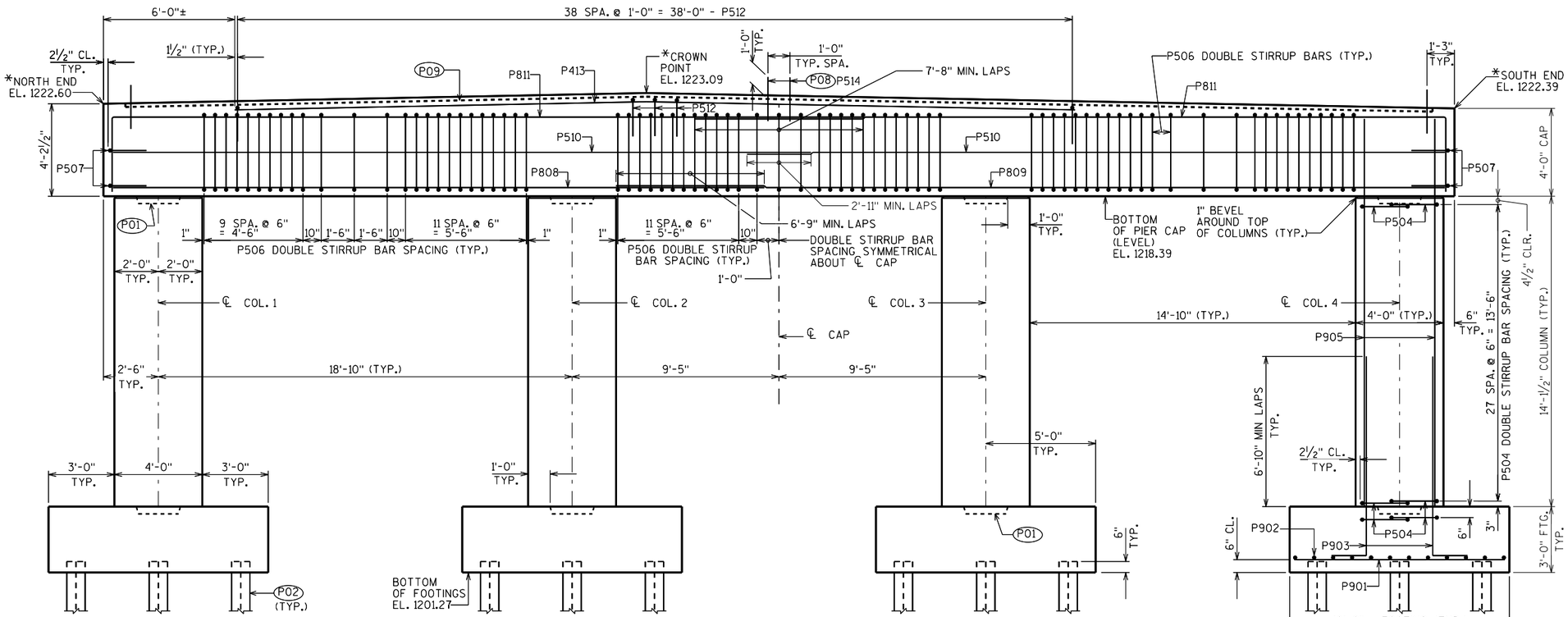
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STATE PROJECT NUMBER

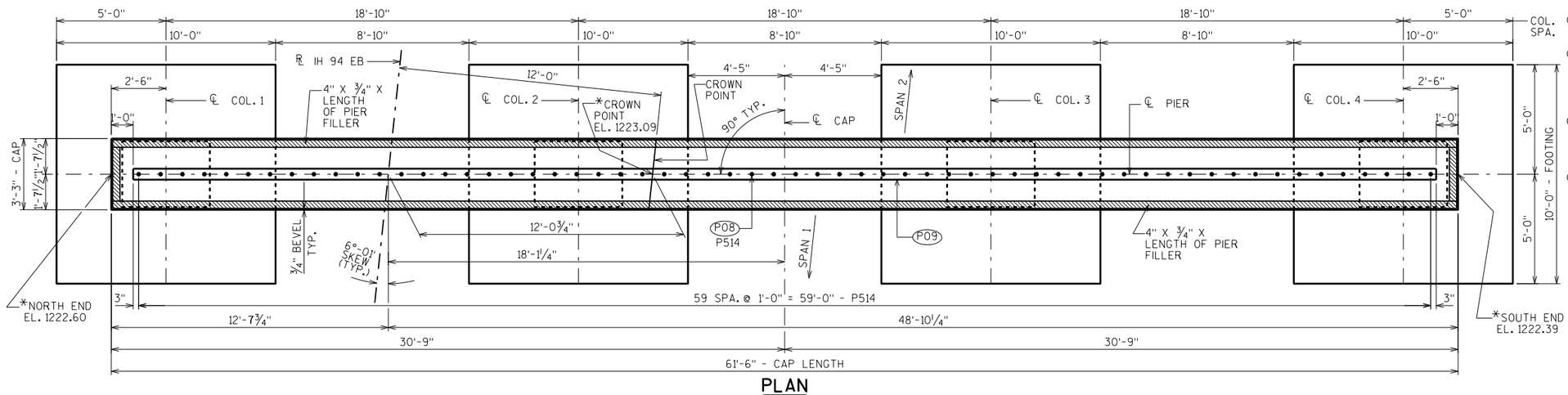
1022-07-76



ELEVATION
(LOOKING EAST)

END VIEW

*ELEVATIONS GIVEN AT ℄ PIER



PLAN

(P01) 2'-0" x 1'-3" x 4" DEEP CONSTRUCTION JOINT FORMED BY BEVELED KEYWAY.

(P02) SUPPORT PIER ON HP 10 x 42 STEEL PILING. ESTIMATED 35 FEET LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE. PILE POINTS REQUIRED. SEE "PILE DETAILS" ON NEXT SHEET.

(P08) P514 BARS @ 1'-0" CTRS. AT TOP OF PIER CAP. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

(P09) KEYED CONSTRUCTION JOINT-FORMED BY BEVELED 2" x 6" AT TOP OF PIER CAP.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-17-214

DRAWN BY JPH | PLANS CK'D. SEW

PIER 1

SHEET 8

719

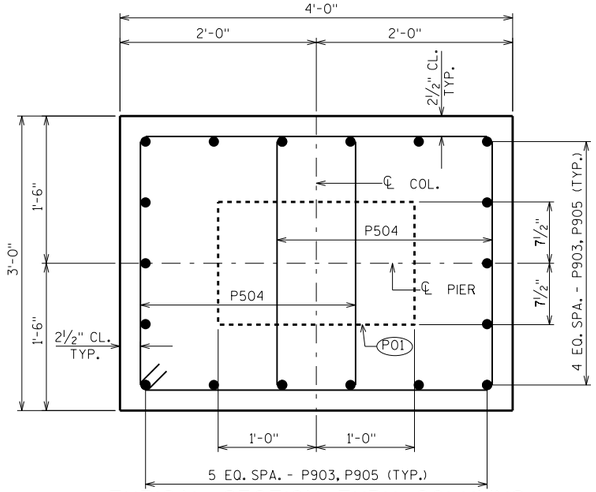
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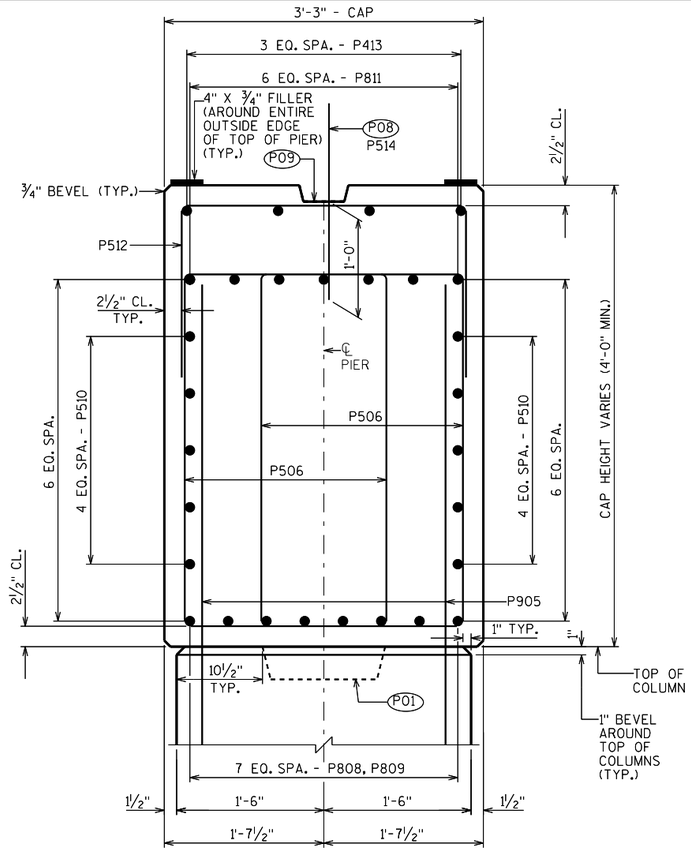
STATE PROJECT NUMBER

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TYPICAL SECTION THRU COLUMNS

(SHOWING DOUBLE STIRRUPS)



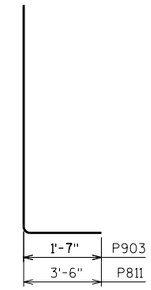
SECTION THRU CAP

(SHOWING DOUBLE STIRRUPS)

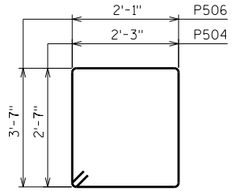
BILL OF BARS

NOTE:
THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

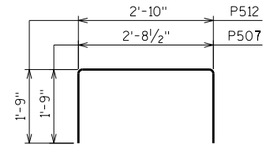
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
P901		40	9'-7"		FOOTINGS-BOTTOM-HORIZ.-LONGIT.-BOT. LAYER
P902		48	9'-7"		FOOTINGS-BOTTOM-HORIZ.-TRANS.-TOP LAYER
P903	X	72	10'-6"	X	FOOTINGS/COLUMNS-VERTICAL-ALL FACES
P504	X	232	10'-4"	X	FOOTINGS & COLUMNS-HORIZ.-DOUBLE STIRRUPS
P905	X	72	17'-9"		COLUMNS/CAP-VERTICAL-ALL FACES
P506	X	154	12'-0"	X	CAP-BOT.-VERTICAL-TRANSVERSE-DOUBLE STIRRUPS-BTWN. COLUMNS
P507	X	12	6'-0"	X	CAP-HORIZ.-BOTH ENDS ONLY
P808	X	8	30'-0"		CAP-BOT.-HORIZ.-LONGIT.-AT NORTH END ONLY
P809	X	8	37'-10"		CAP-BOT.-HORIZ.-LONGIT.-AT SOUTH END ONLY
P510	X	20	32'-0"		CAP-HORIZ.-LONGIT.-BOTH FACES-BOTH ENDS
P811	X	14	37'-9"	X	CAP-TOP-HORIZ. & VERT.-LONGIT.-BOTH ENDS
P512	X	39	6'-1"	X	CAP-TOP-VERTICAL-TRANSVERSE- ABOVE COLS. 2-3
P413	X	4	38'-3"		CAP-TOP-HORIZ.-LONGIT.-ABOVE COLS. 2-3
P514	X	60	2'-0"		CAP-TOP-VERTICAL-TRANSVERSE-CENTER



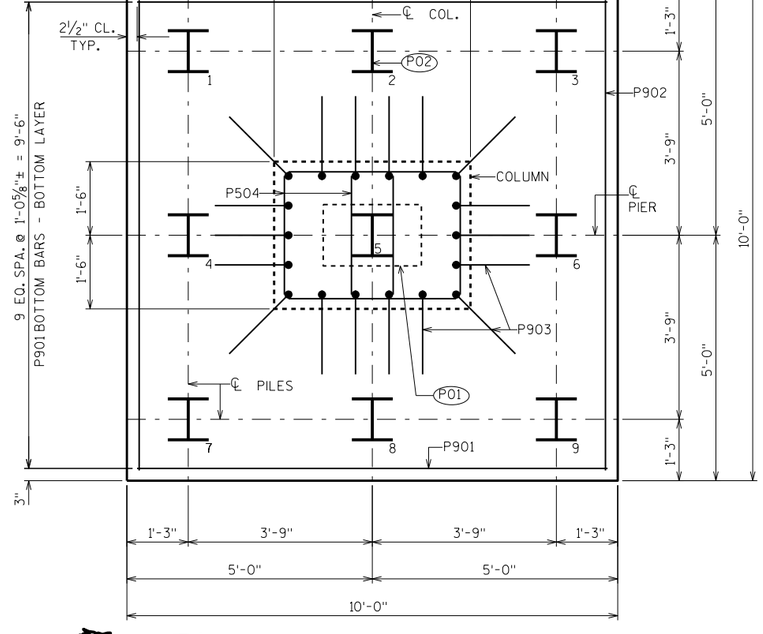
P903 P811



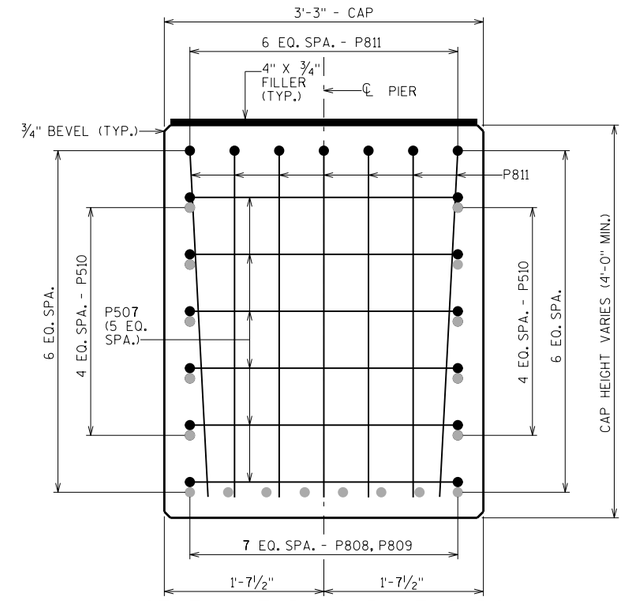
P504 P506



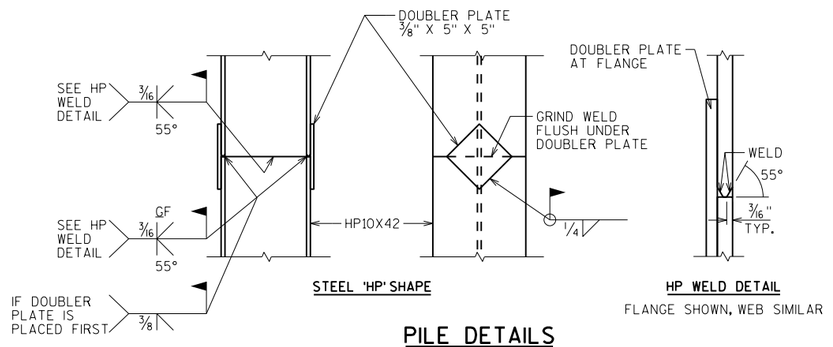
P507 P512



TYPICAL FOOTING/PILE PLAN



SECTION THRU CAP AT ENDS



STEEL 'HP' SHAPE

HP WELD DETAIL

FLANGE SHOWN, WEB SIMILAR

PILE DETAILS

(P01) 2'-0" x 1'-3" x 4" DEEP CONSTRUCTION JOINT FORMED BY BEVELED KEYWAY.

(P02) SUPPORT PIER ON HP 10 x 42 STEEL PILING, ESTIMATED 35 FEET LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE. PILE POINTS REQUIRED.

(P08) P514 BARS @ 1'-0" CTRS. AT TOP OF PIER CAP. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

(P09) KEYED CONSTRUCTION JOINT-FORMED BY BEVELED 2" x 6" AT TOP OF PIER CAP.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-17-214

DRAWN BY JPH | PLANS CK'D. SEW

PIER 1 DETAILS

SHEET 9

720

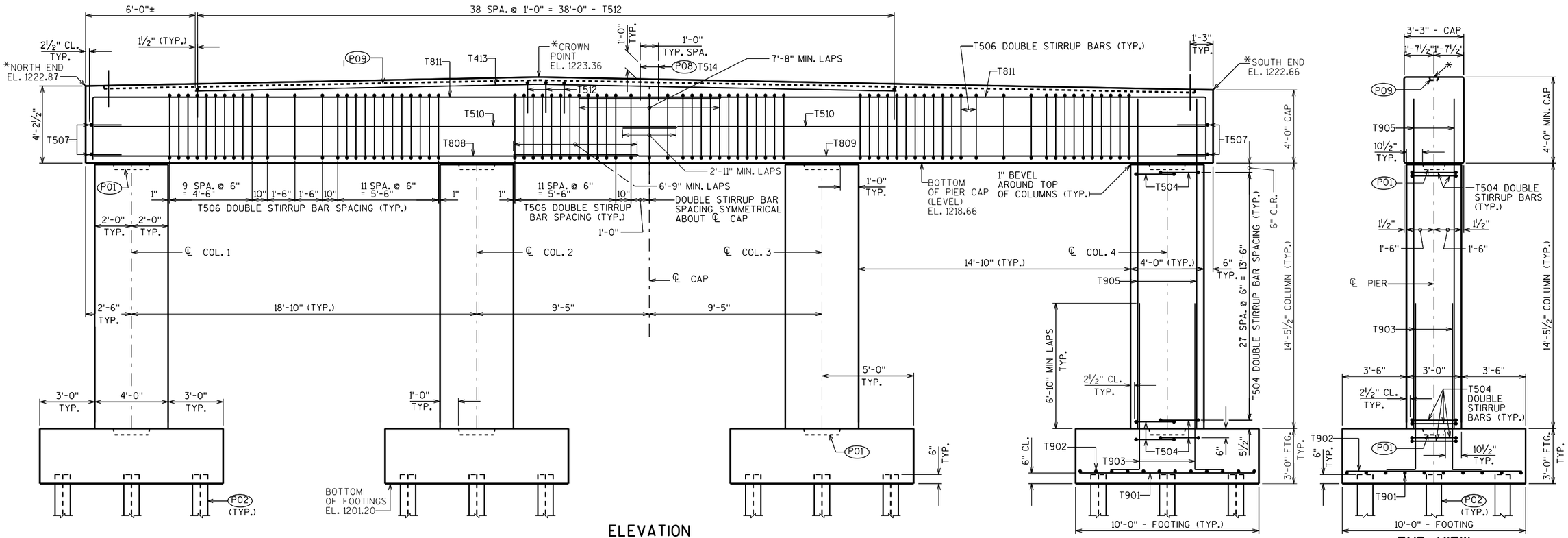
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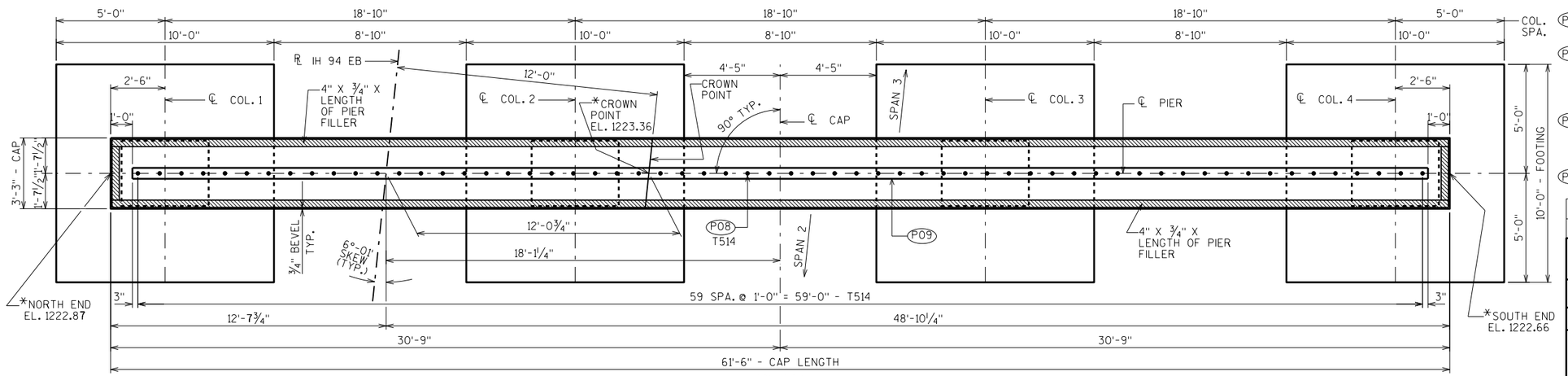
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STATE PROJECT NUMBER

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*ELEVATIONS ARE GIVEN AT ℄ PIER



P01 2'-0" x 1'-3" x 4" DEEP CONSTRUCTION JOINT FORMED BY BEVELED KEYWAY.

P02 SUPPORT PIER ON HP 10 x 42 STEEL PILING, ESTIMATED 35 FEET LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE. PILE POINTS REQUIRED. SEE "PILE DETAILS" ON NEXT SHEET.

P08 T514 BARS @ 1'-0" CTRS. AT TOP OF PIER CAP. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

P09 KEYED CONSTRUCTION JOINT-FORMED BY BEVELED 2" x 6" AT TOP OF PIER CAP.

NO.	DATE	REVISION	BY

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STRUCTURES DESIGN SECTION

STRUCTURE B-17-214

DRAWN BY JPH | PLANS CK'D. SEW

PIER 2

SHEET 10

721

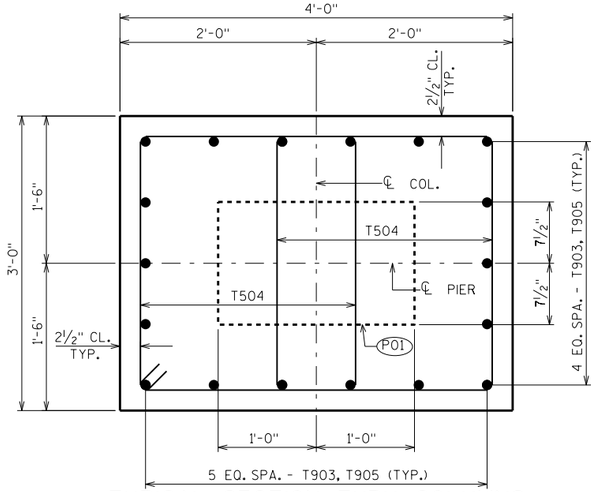
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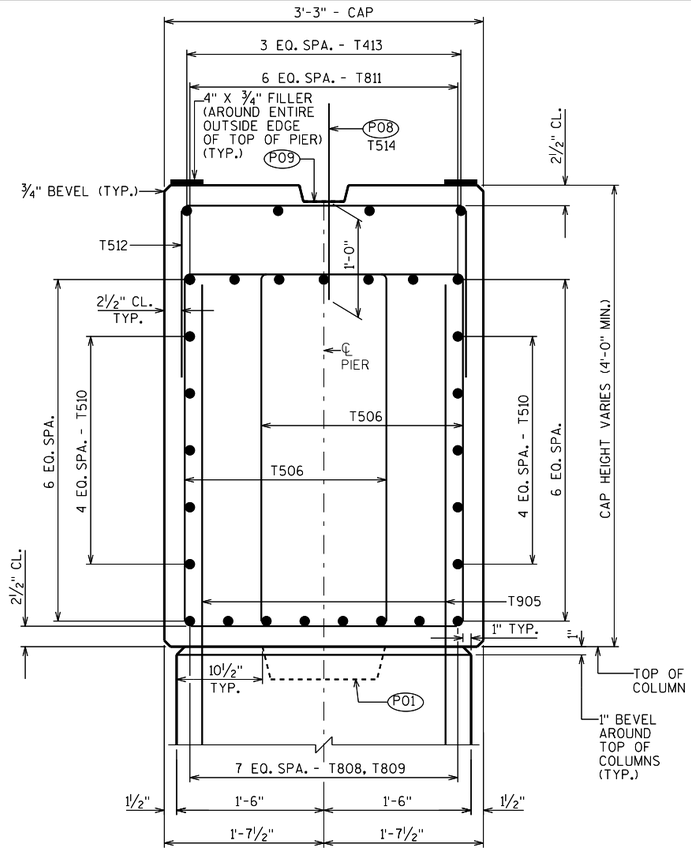
STATE PROJECT NUMBER

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TYPICAL SECTION THRU COLUMNS

(SHOWING DOUBLE STIRRUPS)



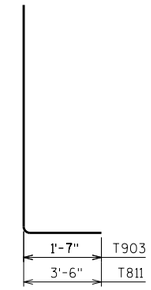
SECTION THRU CAP

(SHOWING DOUBLE STIRRUPS)

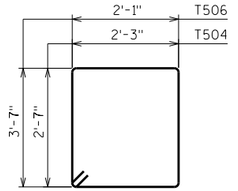
BILL OF BARS

NOTE:
THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

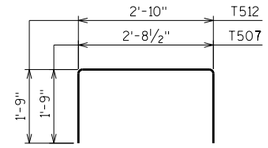
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
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T902		48	9'-7"		FOOTINGS-BOTTOM-HORIZ.-TRANS.-TOP LAYER
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T506	X	154	12'-0"	X	CAP-BOT.-VERTICAL-TRANSVERSE-DOUBLE STIRRUPS-BTWN. COLUMNS
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T512	X	39	6'-1"	X	CAP-TOP-VERTICAL-TRANSVERSE- ABOVE COLS. 2-3
T413	X	4	38'-3"		CAP-TOP-HORIZ.-LONGIT.-ABOVE COLS. 2-3
T514	X	60	2'-0"		CAP-TOP-VERTICAL-TRANSVERSE-CENTER



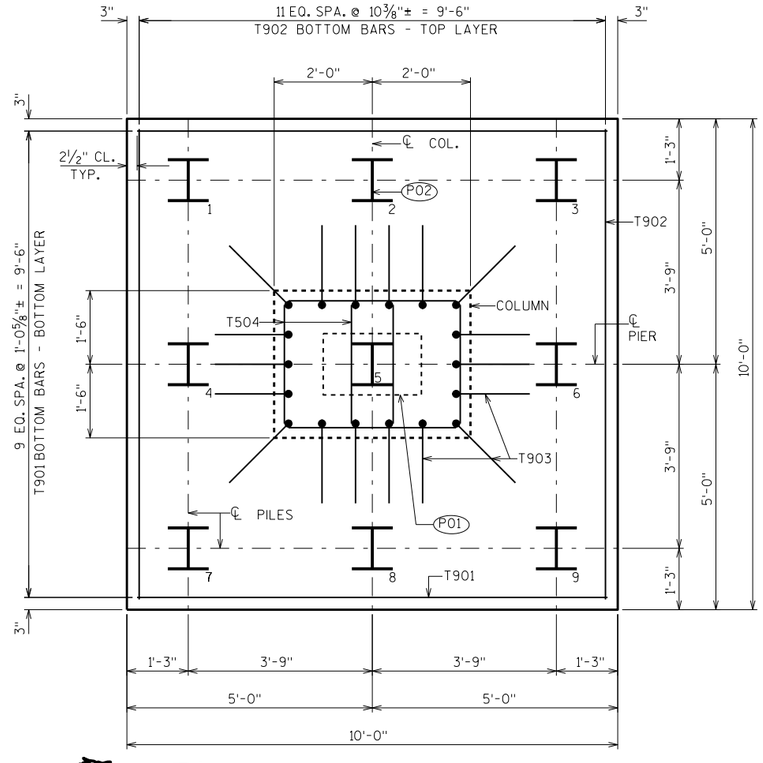
T903 T811



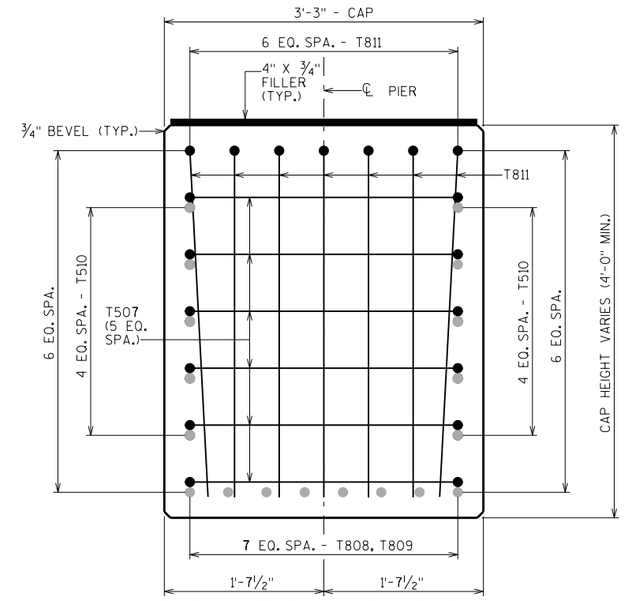
T504 T506



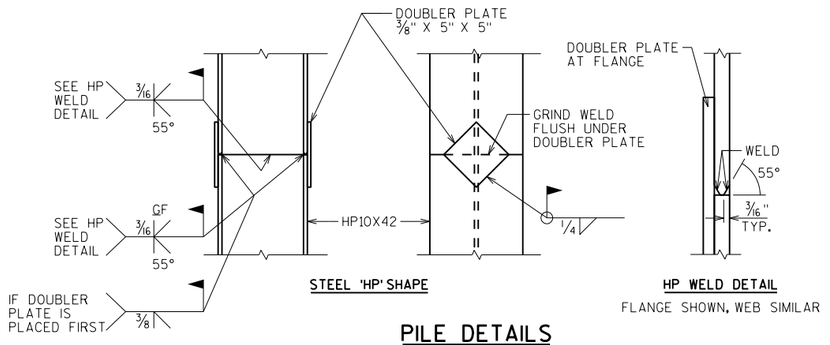
T507 T512



TYPICAL FOOTING/PILE PLAN



SECTION THRU CAP AT ENDS



STEEL 'HP' SHAPE

HP WELD DETAIL

FLANGE SHOWN, WEB SIMILAR

PILE DETAILS

P01 2'-0" x 1'-3" x 4" DEEP CONSTRUCTION JOINT FORMED BY BEVELED KEYWAY.

P02 SUPPORT PIER ON HP 10 x 42 STEEL PILING, ESTIMATED 35 FEET LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE. PILE POINTS REQUIRED.

P08 T514 BARS @ 1'-0" CTRS. AT TOP OF PIER CAP. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

P09 KEYED CONSTRUCTION JOINT-FORMED BY BEVELED 2" x 6" AT TOP OF PIER CAP.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-17-214

DRAWN BY JPH | PLANS CK'D. SEW

PIER 2 DETAILS

SHEET 11

722

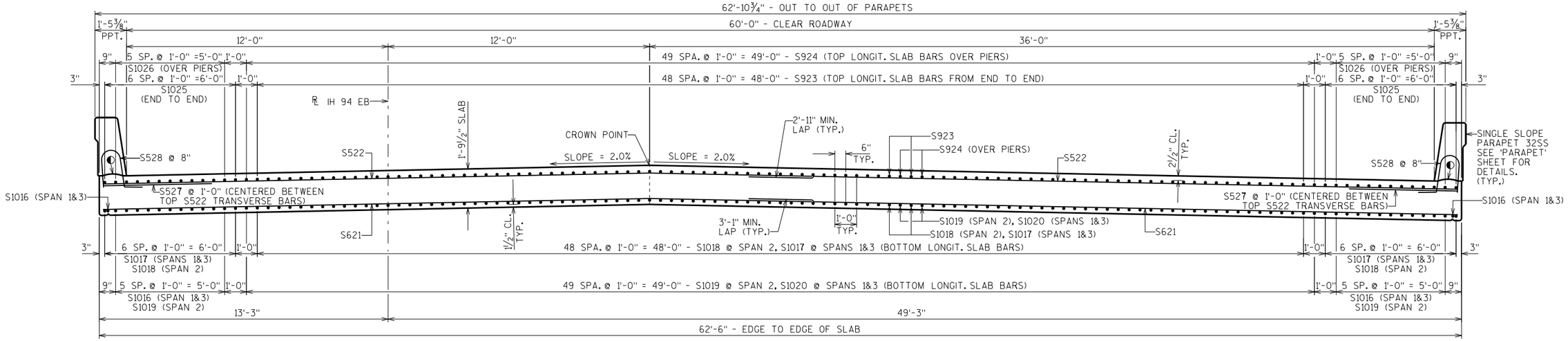
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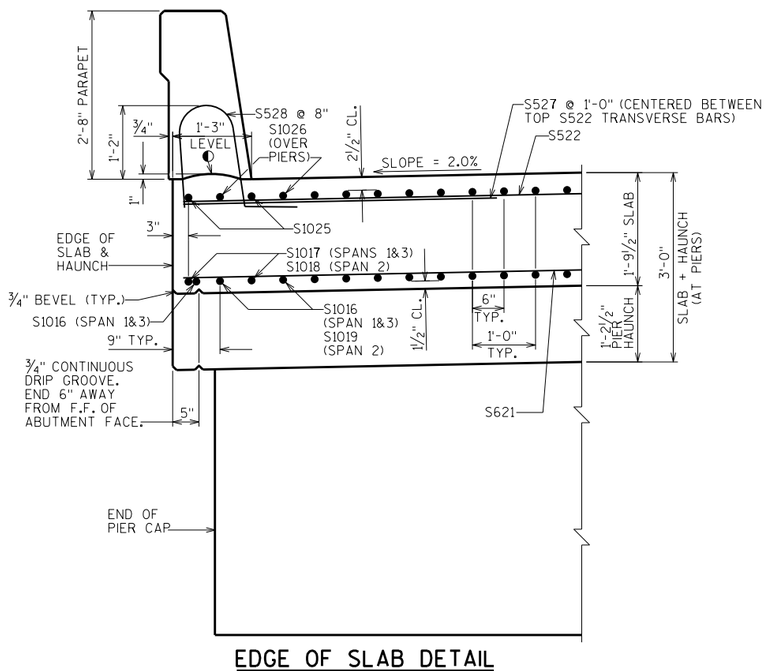
STATE PROJECT NUMBER

1022-07-76



TYPICAL CROSS SECTION THRU BRIDGE

(SHOWING SLAB REINFORCEMENT - LOOKING EAST)



EDGE OF SLAB DETAIL

(TYP. @ BOTH SIDES)
(PIER SECTION SHOWN - OTHER LOCATIONS SIMILAR)

NOTE:

FOR THE SECTIONS THRU THE ABUTMENT DIAPHRAGMS AND SECTION THRU THE PIER DIAPHRAGM SEE THE "SUPERSTRUCTURE LONGITUDINAL SECTIONS" SHEET.

FOR THE ABUTMENT DIAPHRAGM CORNER DETAILS SEE THE "SUPERSTRUCTURE DETAILS" SHEET.

◐HORIZ. CONST. JOINT: STRIKE OFF AND LEAVE ROUGH AS SHOWN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-17-214

DRAWN BY JPH | PLANS CK'D. SEW

SUPERSTRUCTURE CROSS SECTIONS 1

SHEET 12

723

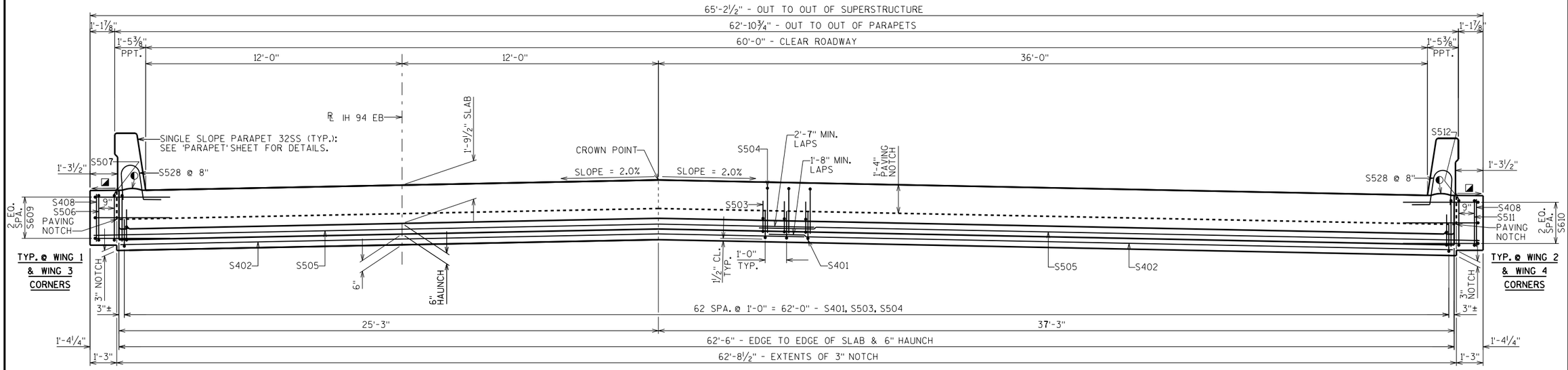
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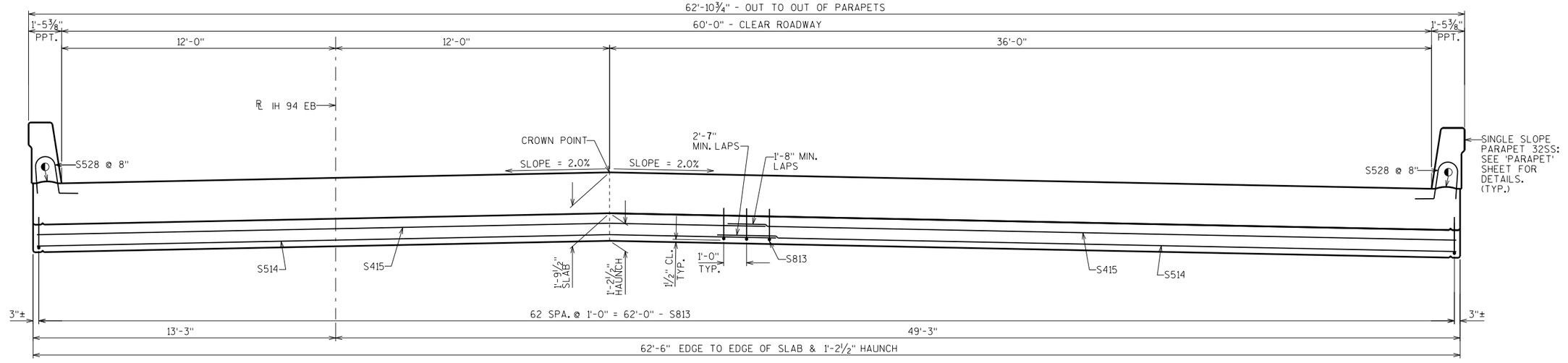
STATE PROJECT NUMBER

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CROSS SECTION THRU BRIDGE AT ABUTMENTS LOOKING EAST

(EAST ABUTMENT SHOWN, WEST ABUTMENT SIMILAR - SLAB REINFORCEMENT NOT SHOWN)



CROSS SECTION THRU BRIDGE AT PIERS LOOKING EAST

(SLAB REINFORCEMENT NOT SHOWN)

NOTE:

FOR THE SECTIONS THRU THE ABUTMENT DIAPHRAGMS AND SECTION THRU THE PIER DIAPHRAGM SEE THE "SUPERSTRUCTURE LONGITUDINAL SECTIONS" SHEET.

FOR THE ABUTMENT DIAPHRAGM CORNER DETAILS SEE THE "SUPERSTRUCTURE DETAILS" SHEET.

◪ FINISH SMOOTH TOP OF CONCRETE DIAPHRAGM HORIZONTAL SURFACE. SLOPE DOWN 1% FOR DRAINAGE

◐ HORIZ. CONST. JOINT: STRIKE OFF AND LEAVE ROUGH AS SHOWN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-17-214

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SUPERSTRUCTURE CROSS SECTIONS 2

SHEET 13

724

SCALE = 2.33

8

8

STATE PROJECT NUMBER

1022-07-76

◆ TYPICAL TOP MAT OF LONGITUDINAL REINFORCEMENT AT BOTH (6'-3") EXTERIOR AREAS OF SLAB ONLY

◧ TYPICAL BOTTOM MAT OF LONGITUDINAL REINFORCEMENT AT BOTH (6'-3") EXTERIOR AREAS OF SLAB ONLY

(2) INDICATES WING NUMBER

158'-2¼" - BACK TO BACK OF ABUTMENTS

156'-2⅛" - END TO END OF SLAB

45'-0" - SPAN 1 | 65'-0" - SPAN 2 | 45'-0" - SPAN 3

1'-0⅛" | 1'-7⅛"

10'-0" WING ② | 10'-0" WING ③

S527 @ 1'-0" (TYP. TOP TRANSVERSE STEEL AT EDGE OF SLAB- CENTERED BETWEEN TOP S522 TRANSVERSE BARS)

1'-0" TYP. SPA.

06°-01' SKEW (TYP.)

32'-6" | 32'-6"

1'-9" MIN. LAPS - S530 (TYP.)

LEFT (NORTH) EDGE OF SLAB

1'-3¾" PARAPET BASE WIDTH

EXTERIOR STRIP 6'-3"

S1025 @ 12"

18'-4" TYP.

15'-5" TYP.

S522 @ 1'-0" (TYP. TOP TRANSVERSE STEEL)

S1026 @ 12"

1'-0" TYP.

6" TYP.

9'-3" MIN. LAPS (TYP.)

S402 (TYP. AT ABUT. NOTCHES)

END OF EAST APPROACH SLAB

13'-4¼"

12'-0"

62'-8½" - PAVING NOTCH LIMITS

49'-4¼"

48'-0"

TYPICAL TOP MAT OF LONGITUDINAL REINFORCEMENT (INTERIOR STRIP)

S505 (TYP. OVER ABUTMENTS)

S924 @ 12"

7'-3" MIN. LAPS (TYP.)

℄ IH 94 EB

6" ABUT. HAUNCH

S923 @ 12"

℄ BRG. WEST ABUT.

S514 (TYP. AT PIER HAUNCHES- ABOVE PIERS)

S415 (TYP. AT PIER HAUNCHES)

S621 @ 12" (TYP. BOT. TRANSVERSE STEEL)

℄ BRG. EAST ABUT.

B.F. ABUT.

1'-0" PAVING NOTCH

PIER HAUNCH LIMIT LINES

CROWN POINT

℄ SPAN 2

℄ PIER 1

℄ PIER 2

END OF SLAB & END OF APPROACH SLAB

2'-7" MIN. LAPS (TYP.)

2'-11" MIN. LAPS (TYP.)

1'-8" MIN. LAPS (TYP.)

3'-1" MIN. LAPS (TYP.)

S522 @ 1'-0" (TYP. TOP TRANSVERSE STEEL)

3'-3" PIER CAP

26'-4" (TYP.)

S1017 @ 12"

S1018 @ 12"

S1020 @ 12"

TYPICAL BOTTOM MAT OF LONGITUDINAL REINFORCEMENT (INTERIOR STRIP)

S505 (TYP. OVER ABUTMENTS)

S813 @ 12"

4'-10" TYP.

17'-6" (TYP.)

S1019 @ 12"

F.F. ABUT.

END OF WEST APPROACH SLAB

S1016 @ 12"

S1017 @ 12"

S1018 @ 12"

S1019 @ 12"

1'-0" TYP.

6" TYP.

1'-0" TYP. SPA.

S527 @ 1'-0" (TYP. TOP TRANSVERSE STEEL AT EDGE OF SLAB- CENTERED BETWEEN TOP S522 TRANSVERSE BARS)

10'-0" WING ①

END OF HAUNCH

11'-0"

PIER HAUNCH LIMITS

1'-9" MIN. LAPS - S530 (TYP.)

RIGHT (SOUTH) EDGE OF SLAB

1'-3¾" PARAPET BASE WIDTH

10'-0" WING ④

50'-0" - INTERIOR STRIP

62'-6" - EDGE TO EDGE OF HAUNCHED SLAB

N

PLAN

1'-0" PAV. NOTCH

END OF SLAB

B.F. ABUT.

S530

F.F. ABUT.

S528 (TYP.)

1'-3"

1'-5⅜" PPT.

EDGE OF SLAB

½" FILLER

5"

233 SPA. @ 8" = 155'-4" - S528 & S529

APPROACH SLAB PARAPET

PARTIAL PLAN OF PARAPET REINFORCEMENT

(TYP. @ BOTH SIDES)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
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STRUCTURES DESIGN SECTION

STRUCTURE B-17-214

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SUPERSTRUCTURE PLAN

SHEET 14

725

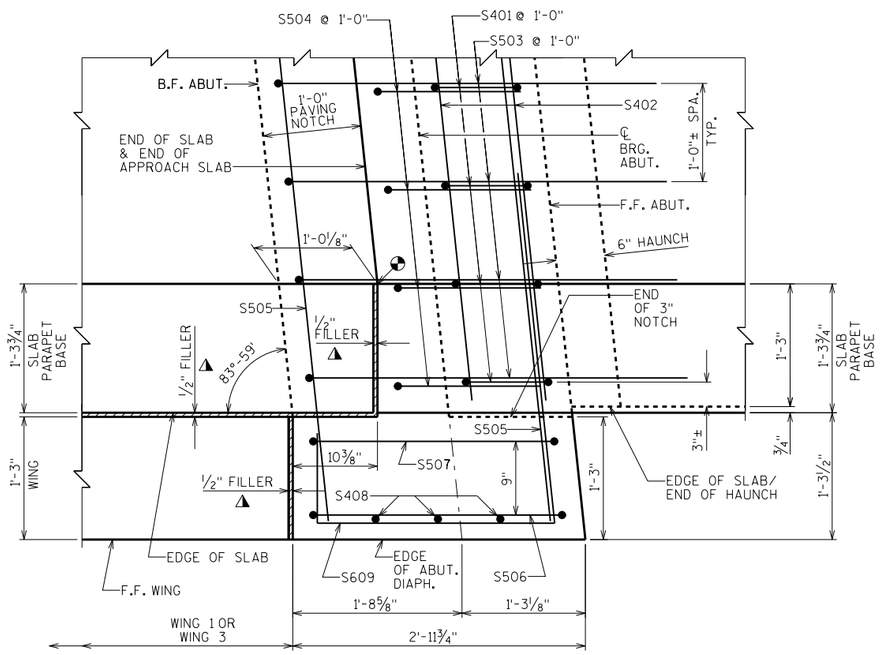
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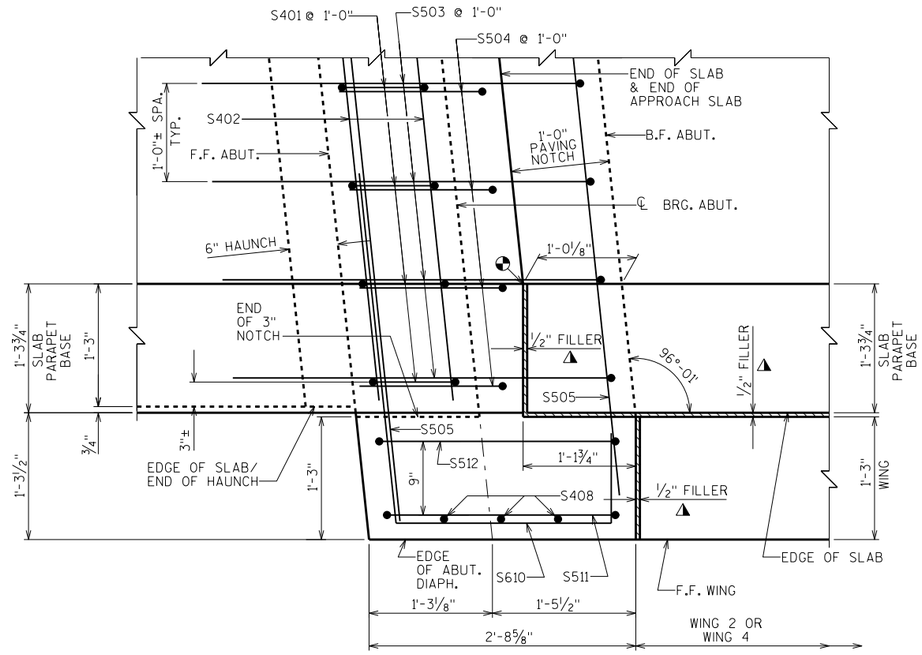
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STATE PROJECT NUMBER

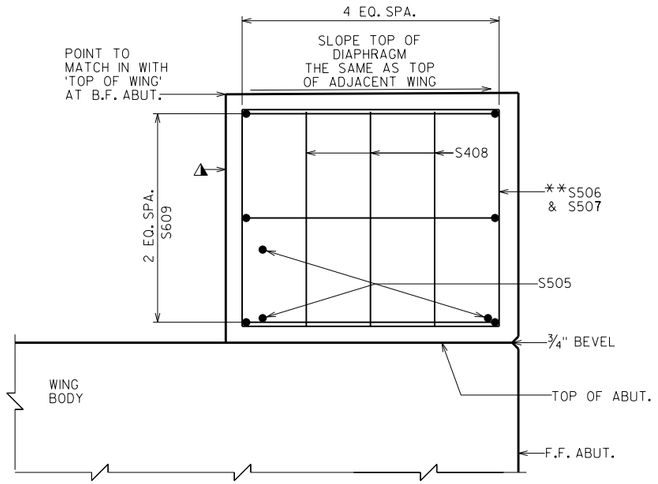
1022-07-76



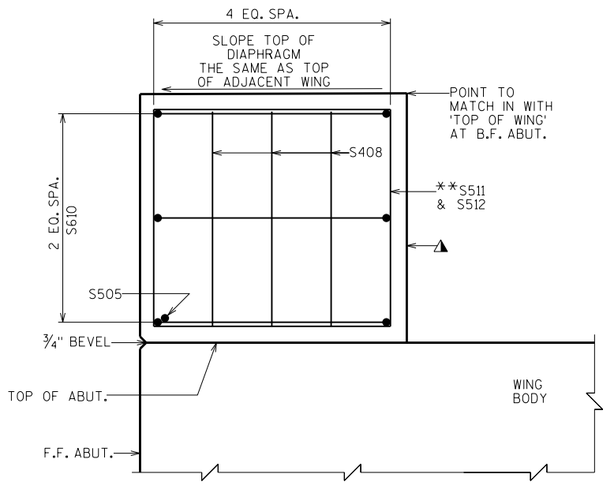
TYPICAL CORNER DETAIL
AT WINGS 1&3 (PLAN VIEW)



TYPICAL CORNER DETAIL
AT WINGS 2&4 (PLAN VIEW)



TYPICAL CORNER DETAIL AT WINGS 1&3
(ELEVATION VIEW LOOKING AT F.F. WING)



TYPICAL CORNER DETAIL AT WINGS 2&4
(ELEVATION VIEW LOOKING AT F.F. WING)

**DIMENSION IS TAKEN PARALLEL TO "℄ IH 94 EB". BARS PLACED PARALLEL TO "℄ IH 94 EB" AND SPACED PERPENDICULAR TO "℄ IH 94 EB".

◔ SQUARE OFF ENDS OF PAVING NOTCH AT INSIDE FACE OF PARAPET

◭ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING, GRAY AND NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE).

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
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STRUCTURES DESIGN SECTION

STRUCTURE B-17-214

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SUPERSTRUCTURE DETAILS

SHEET 15

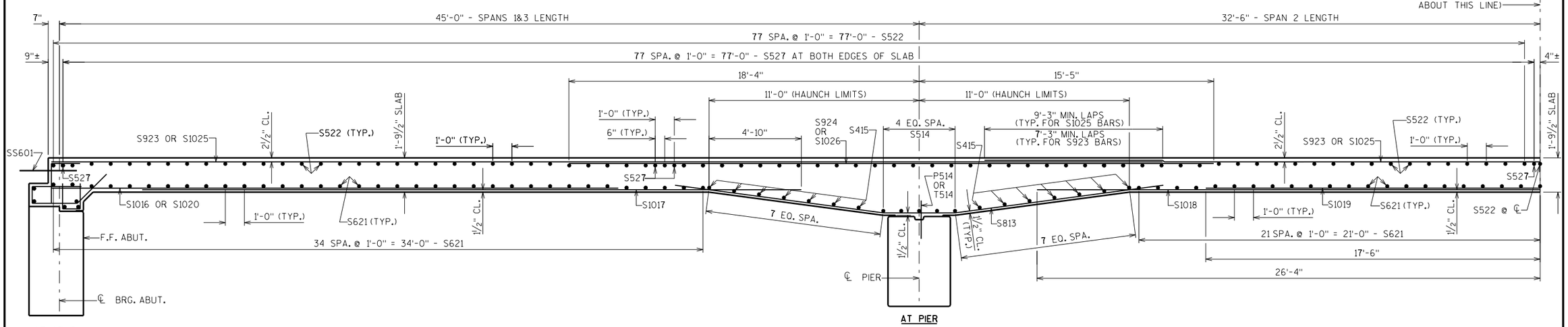
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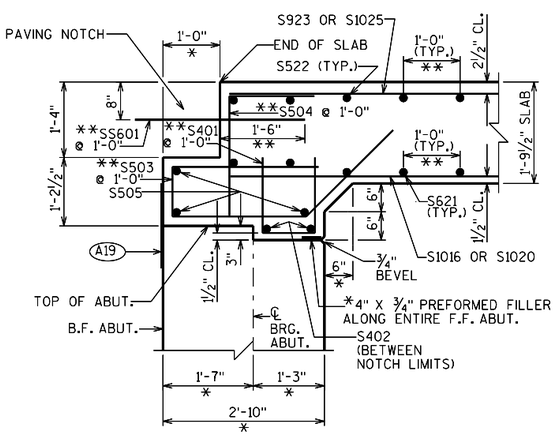
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STATE PROJECT NUMBER
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LONGITUDINAL SECTION THRU BRIDGE LOOKING NORTH

ALL HORIZONTAL DIMENSIONS ARE TAKEN PARALLEL TO "℟ IH 94 EB".
ALL LONGITUDINAL BARS ARE PLACED PARALLEL TO "℟ IH 94 EB"
ALL TRANSVERSE BARS ARE PLACED PARALLEL TO ℄ SUBSTRUCTURES.



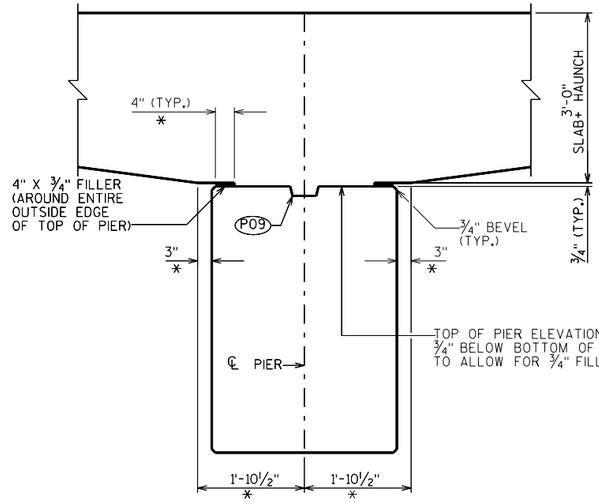
CROSS SECTION THRU ABUTMENT DIAPHRAGMS IN BETWEEN EDGES OF SLAB

*DIMENSION IS TAKEN PERPENDICULAR TO ℄ SUBSTRUCTURES. BARS PLACED PARALLEL TO ℄ SUBSTRUCTURES AND SPACED ALONG "℟ IH 94 EB".

**DIMENSION IS TAKEN PARALLEL TO "℟ IH 94 EB". BARS PLACED PARALLEL TO "℟ IH 94 EB" AND SPACED PERPENDICULAR TO "℟ IH 94 EB".

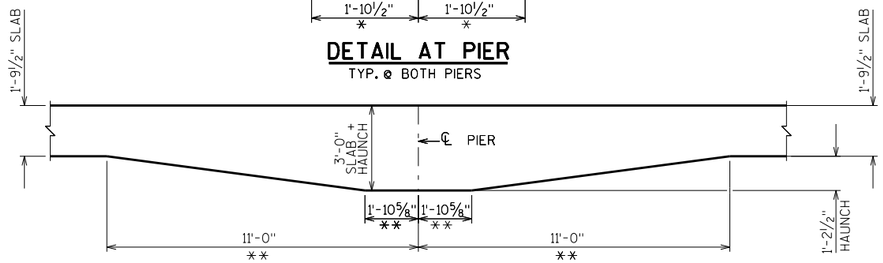
(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

(P09) KEYED CONSTRUCTION JOINT-FORMED BY BEVELED 2" x 6".



DETAIL AT PIER

TYP. @ BOTH PIERS



PART LONGITUDINAL SLAB & HAUNCH SECTION AT PIERS LOOKING AT OUTSIDE FACE

(STEEL REINFORCEMENT NOT SHOWN)

NOTES

SEE "SUPERSTRUCTURE & APPROACH SLAB BAR DETAILS" SHEET FOR THE 'BILL OF BARS' AND BAR DETAILS.

TOP TRANSVERSE BARS IN SLAB SHALL BE SUPPORTED BY INDIVIDUAL BAR CHAIRS AT APPROXIMATELY 3'-0" CENTERS EACH WAY. BOTTOM LONGITUDINAL BARS SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS AT APPROXIMATELY 4'-0" CENTERS.

ALL SLAB THICKNESS DIMENSIONS ARE MINIMUM. ANY TOLERANCES NECESSARY TO CORRECT CONSTRUCTION DISCREPANCIES ARE TO BE PLUS (+).

PARAPETS PLACED ON TOP OF THE SLAB SHALL BE POURED AFTER FALSEWORK HAS BEEN RELEASED, EXCEPT FOR STAGED CONSTRUCTION.

PRIOR TO RELEASING SLAB FALSEWORK, TAKE TOP OF SLAB ELEVATIONS AT THE ℄ OF ABUTMENTS, THE ℄ OF PIERS AND AT 5/10 PTS. TO VERIFY CAMBER. TAKE ELEVATIONS ALONG GUTTER LINES, ℟ IH 94 EB AND CROWN POINT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-17-214

DRAWN BY JPH | PLANS CK'D. SEW

SUPERSTRUCTURE LONGITUDINAL SECTIONS

SHEET 16

727

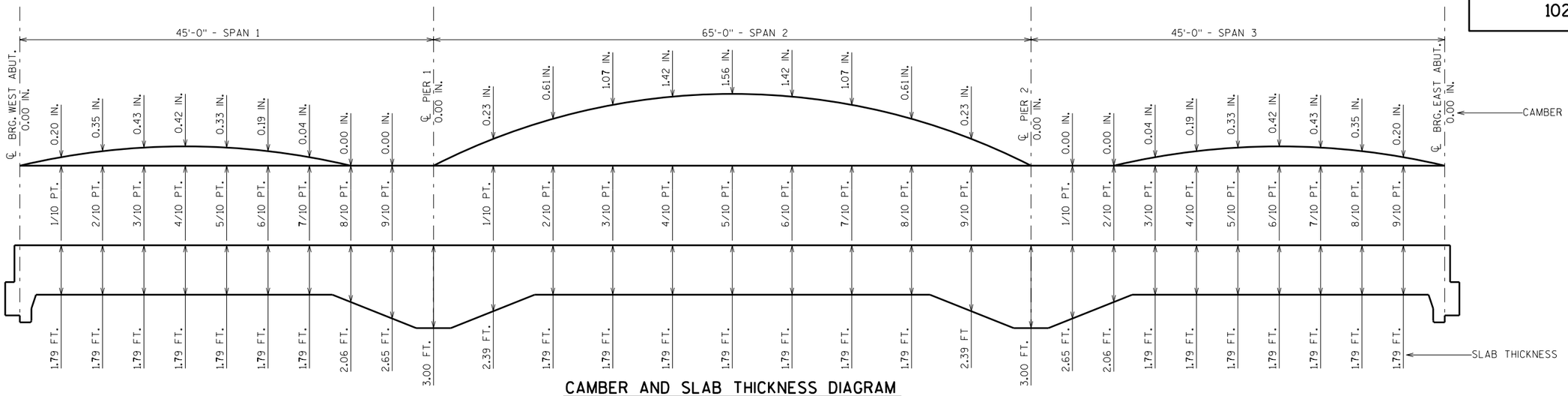
SCALE = 2.60

8

8

STATE PROJECT NUMBER

1022-07-76



CAMBER AND SLAB THICKNESS DIAGRAM

CAMBER SHOWN IS BASED ON 3 TIMES DEAD LOAD DEFLECTIONS. CAMBER SPANS AS SHOWN TO PROVIDE FOR DEAD LOAD DEFLECTION AND FUTURE CREEP. CAMBER DOES NOT INCLUDE ALLOWANCE FOR FORM SETTLEMENT.
PARAPETS PLACED ON TOP OF THE SLAB SHALL BE POURED AFTER FALSEWORK HAS BEEN RELEASED.

TO DETERMINE FALSEWORK ELEVATION AT EDGE OF SLAB, CROWN OR REFERENCE LINE FOLLOW THIS PROCEDURE:

TOP OF SLAB ELEVATION AT FINAL GRADE
LESS (-) SLAB THICKNESS
PLUS (+) CAMBER
PLUS (+) FORM SETTLEMENT/DEFLECTION DUE TO PLACEMENT OF SLAB CONCRETE (TO BE COMPUTED BY THE CONTRACTOR)
EQUALS = TOP OF SLAB FALSEWORK ELEVATION.

TOP OF SLAB ELEVATIONS

	℄ BRG WEST ABUT.	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	℄ PIER 1	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	℄ PIER 2	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	℄ BRG EAST ABUT.
NORTH EDGE OF SLAB	1225.44	1225.47	1225.49	1225.51	1225.53	1225.56	1225.58	1225.60	1225.62	1225.64	1225.66	1225.69	1225.72	1225.75	1225.78	1225.80	1225.83	1225.86	1225.88	1225.91	1225.93	1225.95	1225.97	1225.98	1226.00	1226.01	1226.03	1226.04	1226.06	1226.07	1226.09
NORTH GUTTERLINE	1225.44	1225.47	1225.49	1225.51	1225.53	1225.56	1225.58	1225.60	1225.62	1225.64	1225.66	1225.69	1225.72	1225.75	1225.78	1225.80	1225.83	1225.86	1225.88	1225.91	1225.93	1225.95	1225.97	1225.98	1226.00	1226.01	1226.03	1226.04	1226.06	1226.07	1226.09
℞ IH 94 EB	1225.69	1225.71	1225.74	1225.76	1225.78	1225.80	1225.82	1225.85	1225.87	1225.89	1225.91	1225.94	1225.97	1225.99	1226.02	1226.05	1226.08	1226.10	1226.13	1226.15	1226.18	1226.19	1226.21	1226.23	1226.24	1226.26	1226.27	1226.29	1226.30	1226.32	1226.33
CROWN POINT	1225.94	1225.96	1225.98	1226.00	1226.03	1226.05	1226.07	1226.09	1226.11	1226.13	1226.15	1226.18	1226.21	1226.24	1226.27	1226.29	1226.32	1226.35	1226.37	1226.40	1226.42	1226.44	1226.45	1226.47	1226.48	1226.50	1226.52	1226.53	1226.55	1226.56	1226.57
SOUTH GUTTERLINE	1225.24	1225.26	1225.28	1225.30	1225.33	1225.35	1225.37	1225.39	1225.41	1225.43	1225.45	1225.48	1225.51	1225.54	1225.56	1225.59	1225.62	1225.64	1225.67	1225.69	1225.72	1225.73	1225.75	1225.76	1225.78	1225.80	1225.81	1225.83	1225.84	1225.85	1225.87
SOUTH EDGE OF SLAB	1225.24	1225.26	1225.28	1225.30	1225.33	1225.35	1225.37	1225.39	1225.41	1225.43	1225.45	1225.48	1225.51	1225.54	1225.56	1225.59	1225.62	1225.64	1225.67	1225.69	1225.72	1225.73	1225.75	1225.76	1225.78	1225.80	1225.81	1225.83	1225.84	1225.85	1225.87

SURVEY TOP OF SLAB ELEVATIONS

	℄ BRG. WEST ABUTMENT	5/10 PT.	℄ PIER 1	5/10 PT.	℄ PIER 2	5/10 PT.	℄ BRG. EAST ABUTMENT
NORTH GUTTERLINE & EDGE OF SLAB							
℞ IH 94 EB							
CROWN POINT							
SOUTH GUTTERLINE & EDGE OF SLAB							

PRIOR TO RELEASING SLAB FALSEWORK, TAKE TOP OF SLAB ELEVATIONS AT THE ℄ OF ABUTMENTS, THE ℄ OF PIERS AND AT 5/10 PTS. TO VERIFY CAMBER. TAKE ELEVATIONS ALONG GUTTERLINES AND CROWN POINT. RECORD THE ELEVATIONS IN THE ABOVE TABLE FOR THE "AS BUILT" PLANS.

NOTES

TOP TRANSVERSE BARS IN SLAB SHALL BE SUPPORTED BY INDIVIDUAL BAR CHAIRS AT APPROXIMATELY 3'-0" CENTERS EACH WAY. BOTTOM LONGITUDINAL BARS SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS AT APPROXIMATELY 4'-0" CENTERS.

ALL SLAB THICKNESS DIMENSIONS ARE MINIMUM. ANY TOLERANCES NECESSARY TO CORRECT CONSTRUCTION DISCREPANCIES ARE TO BE PLUS (+).

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-17-214

DRAWN BY JPH | PLANS CK'D. SEW

SUPERSTRUCTURE DATA

SHEET 17

728

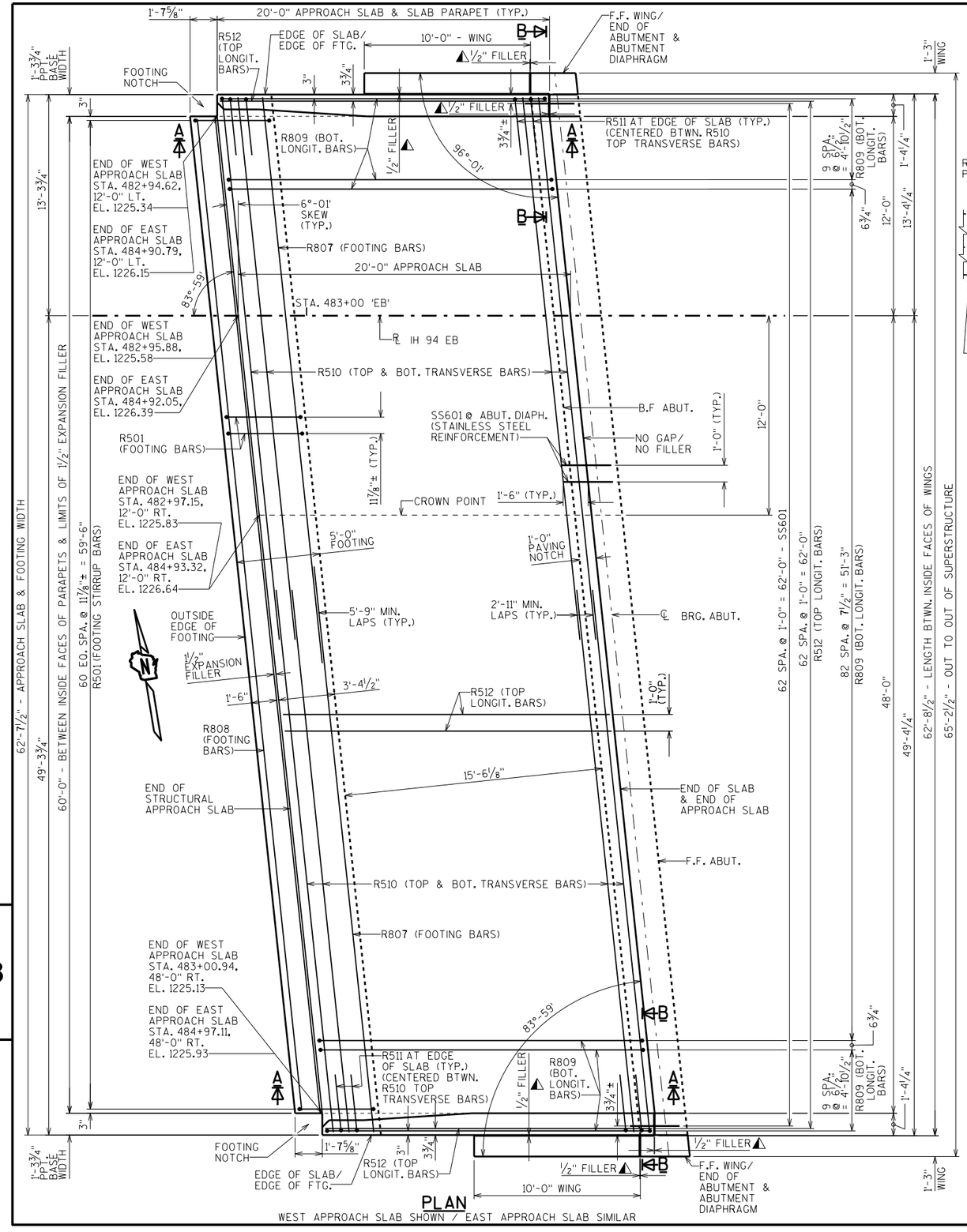
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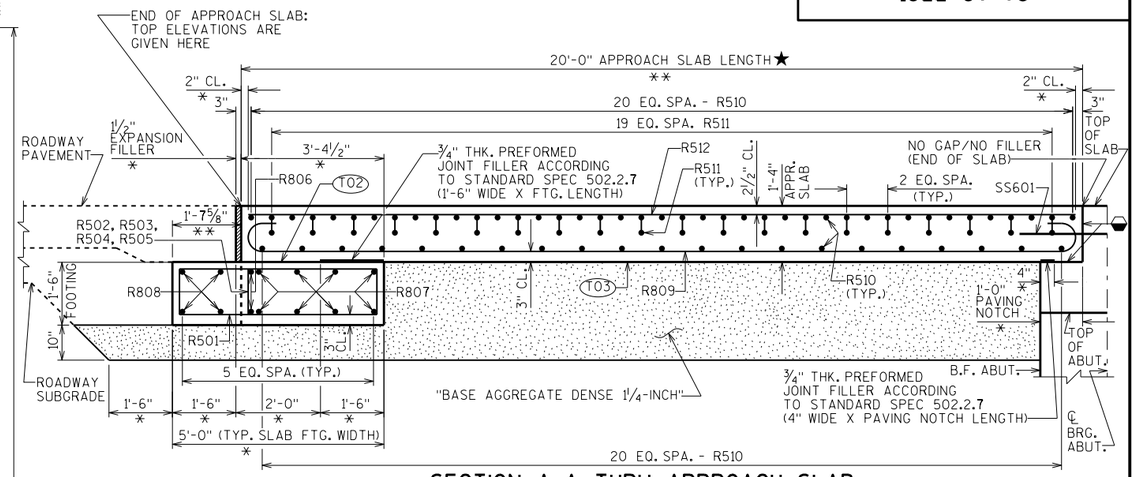
STATE PROJECT NUMBER

1022-07-76



PLAN

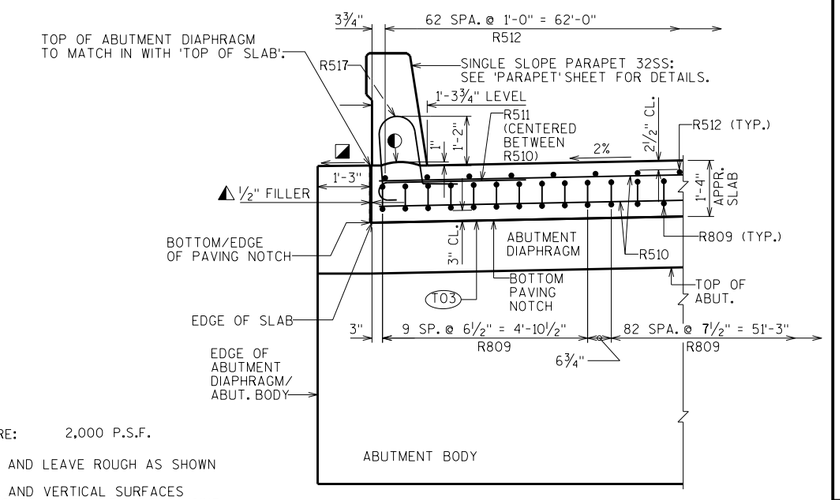
WEST APPROACH SLAB SHOWN / EAST APPROACH SLAB SIMILAR



SECTION A-A THRU APPROACH SLAB

WEST APPROACH SLAB SHOWN / EAST APPROACH SLAB SIMILAR

◒ APPLY 'PROTECTIVE SURFACE TREATMENT' TO VERTICAL AND HORIZONTAL PAVING NOTCH SURFACES PRIOR TO POURING STRUCTURAL APPROACH SLAB.



SECTION B-B (EDGE OF SLAB DETAIL)

NOTES:

ALLOWABLE SOIL BEARING PRESSURE: 2,000 P.S.F.

◐ 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.

◪ FINISH SMOOTH TOP OF CONCRETE DIAPHRAGM HORIZONTAL SURFACE. SLOPE DOWN 1% FOR DRAINAGE

★ TRANSVERSE BARS SHALL BE PLACED PARALLEL TO ℄ SUBSTRUCTURES AND SPACED ALONG "℄ IH 94 EB".

LONGITUDINAL BARS SHALL BE PLACED PARALLEL TO "℄ IH 94 EB".

*DIMENSION IS TAKEN NORMAL TO ℄ BRG. ABUTS.

**DIMENSION IS TAKEN PARALLEL TO ℄ IH 94 EB.

(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF 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-17-214

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STRUCTURAL APPROACH SLABS

SHEET 18

729

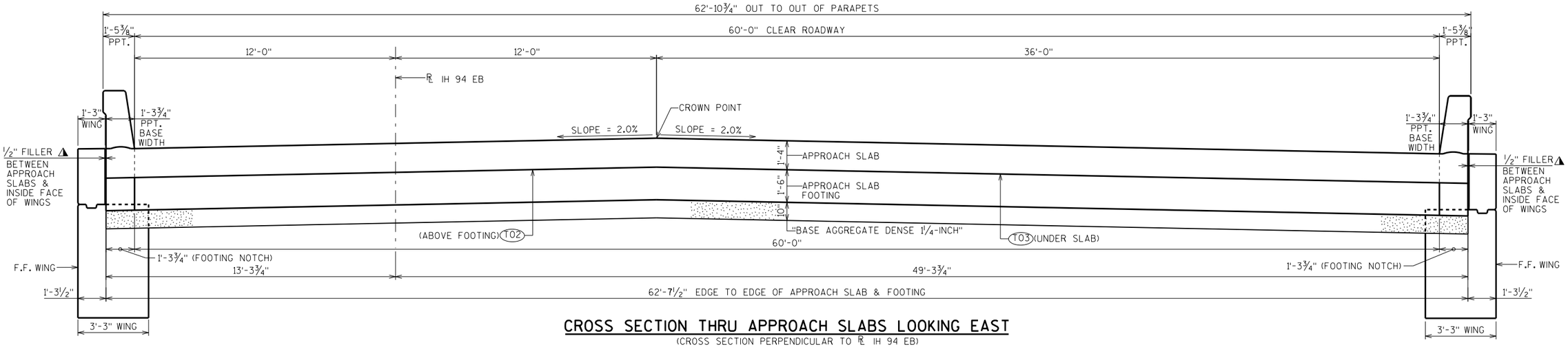
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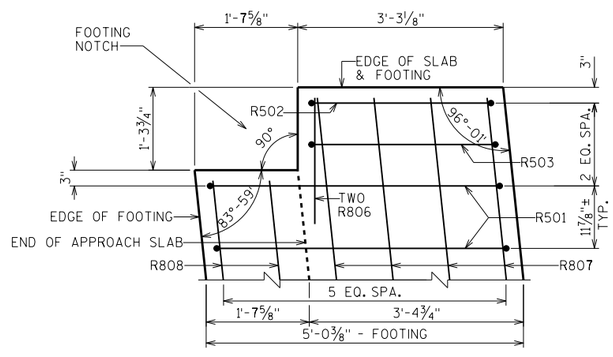
STATE PROJECT NUMBER

1022-07-76

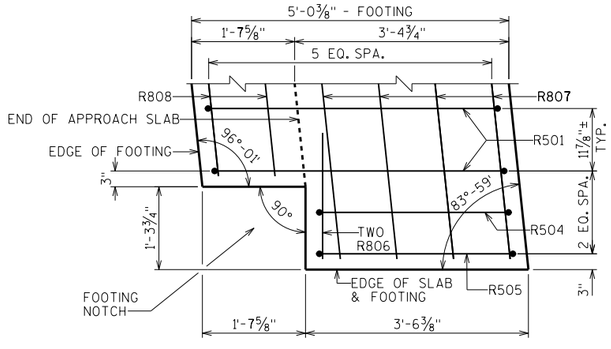


CROSS SECTION THRU APPROACH SLABS LOOKING EAST

(CROSS SECTION PERPENDICULAR TO ℄ IH 94 EB)



SLAB FOOTING PLAN DETAIL @ NW & SE CORNERS



SLAB FOOTING PLAN DETAIL @ SW & NE CORNERS

T02 STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF 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.

NOTE:
SEE THE 'BAR DETAILS' SHEET FOR THE BILL OF BARS AND BAR DETAILS FOR THE STRUCTURAL APPROACH SLAB R-BARS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-17-214

DRAWN BY JPH | PLANS CK'D. SEW

STRUCTURAL APPROACH SLAB DETAILS

SHEET 19

730

SCALE = 2.33

8

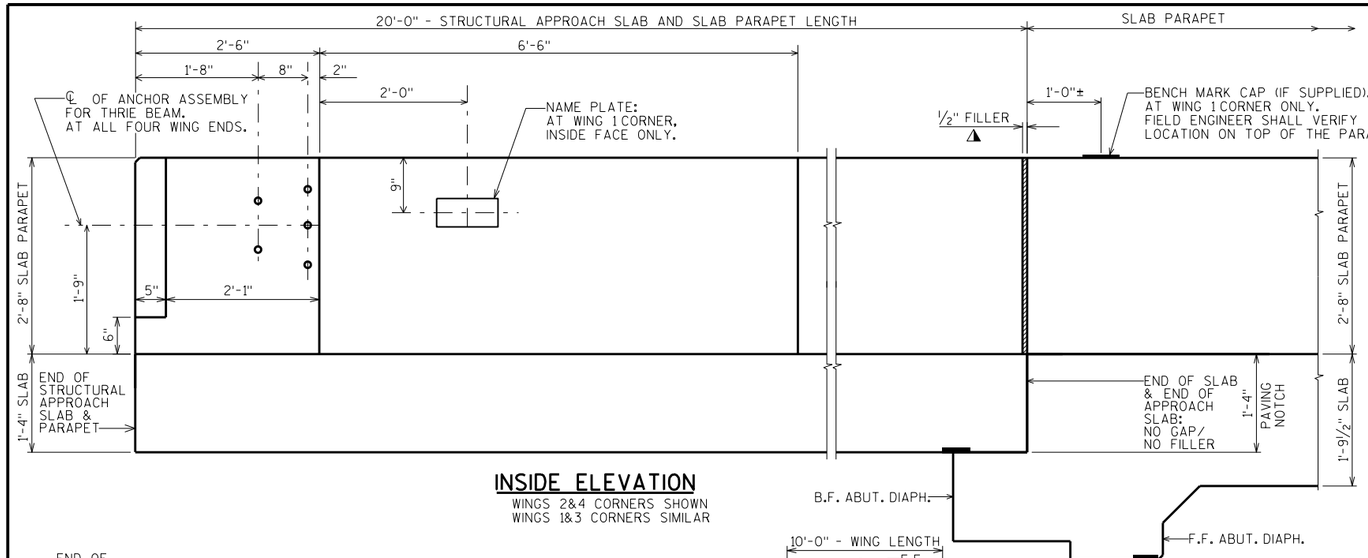
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STATE PROJECT NUMBER

1022-07-76

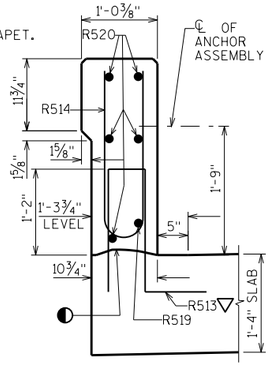
NOTES:
SEE THE 'BAR DETAILS' SHEET FOR THE BILL OF BARS AND BAR DETAILS FOR THE APPROACH SLAB PARAPET R-BARS.

SEE THE 'BAR DETAILS' SHEET FOR THE BILL OF BARS AND BAR DETAILS FOR THE SUPERSTRUCTURE PARAPET S-BARS.

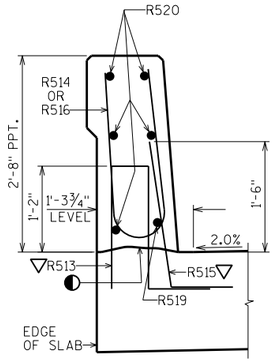


INSIDE ELEVATION

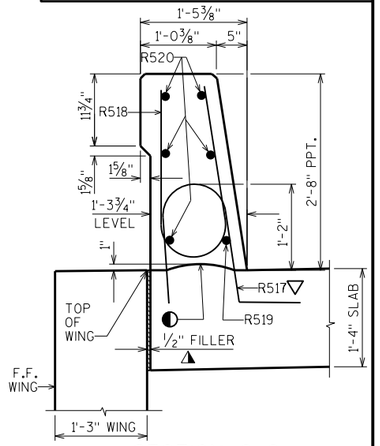
WINGS 2&4 CORNERS SHOWN
WINGS 1&3 CORNERS SIMILAR



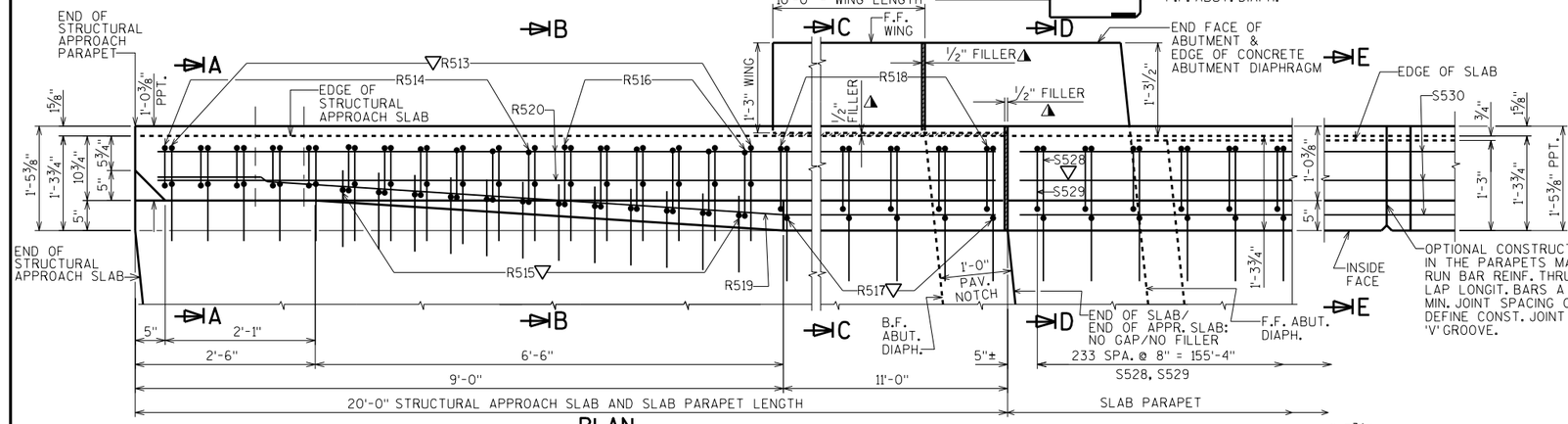
SECTION A-A



SECTION B-B



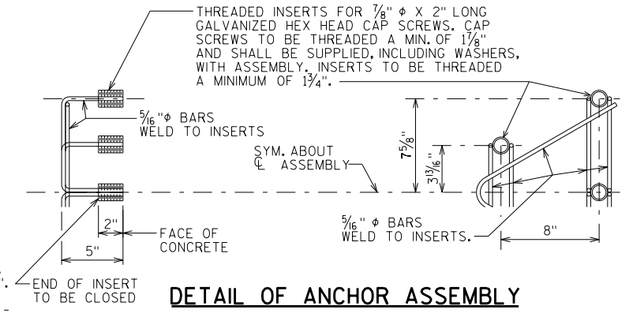
SECTION C-C



PLAN

WINGS 2&4 CORNERS SHOWN
WINGS 1&3 CORNERS SIMILAR

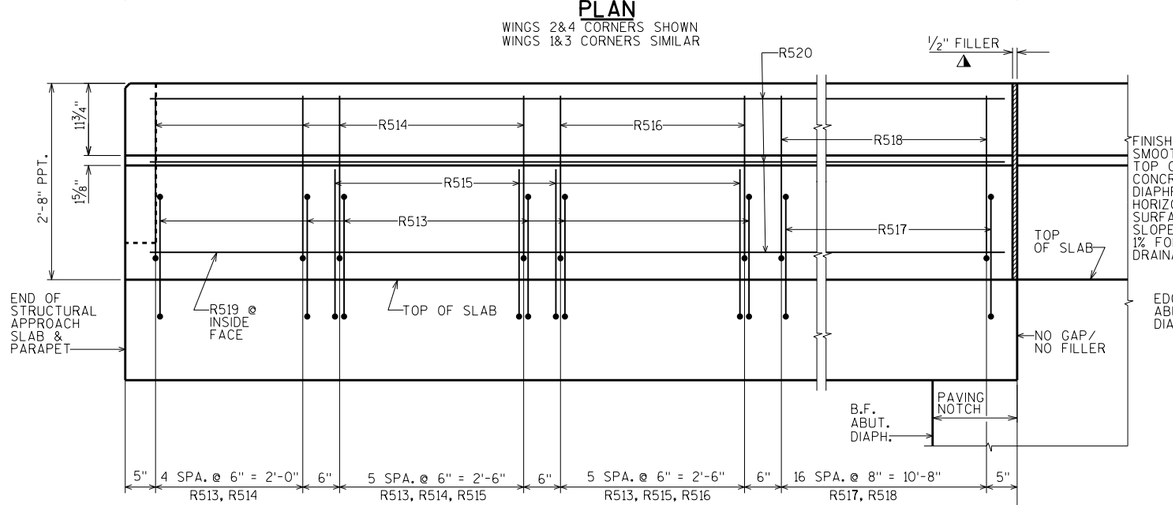
OPTIONAL CONSTRUCTION JOINTS IN THE PARAPETS MAY BE USED. RUN BAR REINF. THRU THE JOINT. LAP LONGIT. BARS A MIN. OF 1'-9". MIN. JOINT SPACING OF 80'-0". DEFINE CONST. JOINT WITH A 3/4" - 'V' GROOVE.



DETAIL OF ANCHOR ASSEMBLY

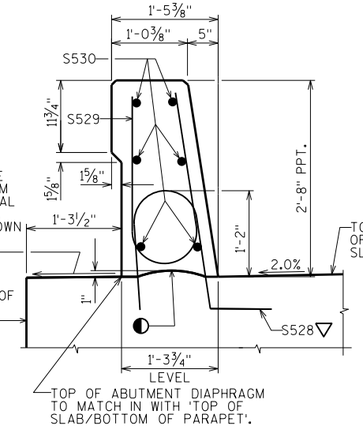
NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.

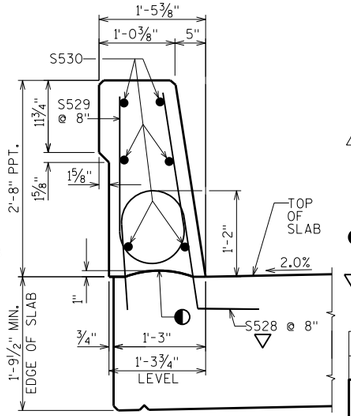


OUTSIDE ELEVATION

(WING NOT SHOWN FOR CLARITY)
WINGS 1&3 CORNERS SHOWN
WINGS 2&4 CORNERS SIMILAR



SECTION D-D (OVER ABUT. DIAPHRAGM)



SECTION E-E (AT SLAB)

▲ 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, R515, R517 & S528 PARAPET BARS TO BE TIED TO SLAB OR SLAB STEEL BEFORE SLAB OR SLAB IS POURED. USE CARE TO PLACE R515 BARS CORRECTLY ALONG TRANSITION OF PARAPET.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-17-214

DRAWN BY	PLANS CK'D.
JPH	SEW

SINGLE SLOPE PARAPET 32SS

SHEET 20

731

8

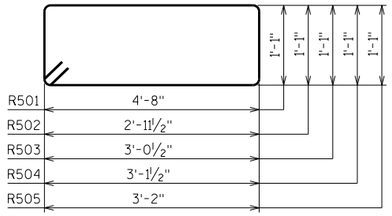
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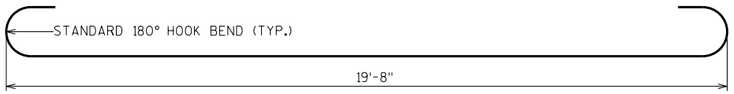
BILL OF BARS FOR STRUCTURAL APPROACH SLABS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

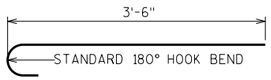
BAR MARK	COAT	NO. REQUIRED. WEST SLAB	NO. REQUIRED. EAST SLAB	LENGTH	BENT	LOCATION
R501	X	61	61	12'-2"	X	FOOTING-VERTICAL-LONGITUDINAL-STIRRUP BAR-AT CENTER
R502	X	1	1	8'-9"	X	FOOTING-VERTICAL-LONGITUDINAL-STIRRUP BAR-AT WING 2&4 ENDS ONLY
R503	X	1	1	8'-11"	X	FOOTING-VERTICAL-LONGITUDINAL-STIRRUP BAR-AT WING 2&4 ENDS ONLY
R504	X	1	1	9'-1"	X	FOOTING-VERTICAL-LONGITUDINAL-STIRRUP BAR-AT WING 1&3 ENDS ONLY
R505	X	1	1	9'-2"	X	FOOTING-VERTICAL-LONGITUDINAL-STIRRUP BAR-AT WING 1&3 ENDS ONLY
R806	X	4	4	2'-0"		FOOTING-TOP & BOTTOM-HORIZONTAL-TRANSVERSE-AT ENDS ONLY
R807	X	16	16	34'-3"		FOOTING-TOP & BOTTOM-HORIZONTAL-TRANSVERSE-AT INSIDE FACE
R808	X	4	4	60'-0"		FOOTING-TOP & BOTTOM-HORIZONTAL-TRANSVERSE-AT OUTSIDE FACE
R809	X	103	103	21'-6"	X	SLAB-BOTTOM-VERTICAL-LONGITUDINAL
R510	X	84	84	32'-10"		SLAB-TOP & BOTTOM-HORIZONTAL-TRANSVERSE
R511	X	40	40	4'-1"	X	SLAB-TOP-VERTICAL-TRANSVERSE-AT BOTH EDGES
R512	X	63	63	19'-8"		SLAB-TOP-HORIZONTAL-LONGITUDINAL
R513	X	34	34	4'-4"	X	PARAPETS 32SS/SLAB-VERTICAL-TRANSVERSE-AT ALL FOUR PPT. ENDS
R514	X	22	22	4'-9"	X	PARAPET 32SS-END-VERTICAL-TRANSVERSE-AT ALL FOUR PPT. ENDS
R515	X	24	24	2'-9"	X	PARAPETS 32SS/SLAB-INSIDE FACE-VERTICAL-TRANSVERSE-AT ALL FOUR PPT. ENDS
R516	X	12	12	4'-10"	X	PARAPET 32SS-VERTICAL-TRANSVERSE-AT ALL FOUR PPT. ENDS
R517	X	34	34	4'-5"	X	PARAPETS/SLAB-VERTICAL-TRANSVERSE-AT ALL FOUR PPT. ENDS
R518	X	34	34	5'-0"	X	PARAPET 32SS-VERTICAL-TRANSVERSE-AT ALL FOUR PPT. ENDS
R519	X	2	2	19'-5"	X	PARAPET 32SS-BOT.-INSIDE FACE-HORIZONTAL-LONGITUDINAL-AT ALL FOUR PPT. ENDS
R520	X	10	10	19'-5"		PARAPET 32SS-BOTH FACES-HORIZONTAL-LONGITUDINAL-AT ALL FOUR PPT. ENDS



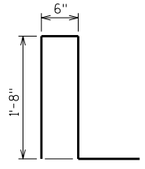
R501 R502 R503 R504 R505
(STIRRUP BARS)



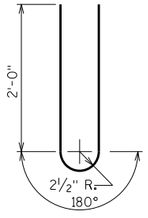
R809



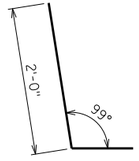
R511



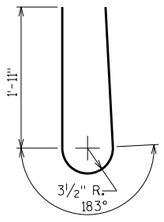
R513



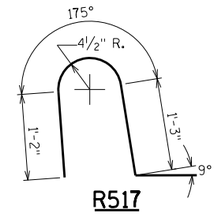
R514



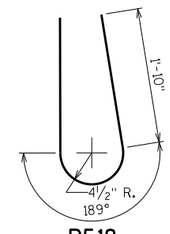
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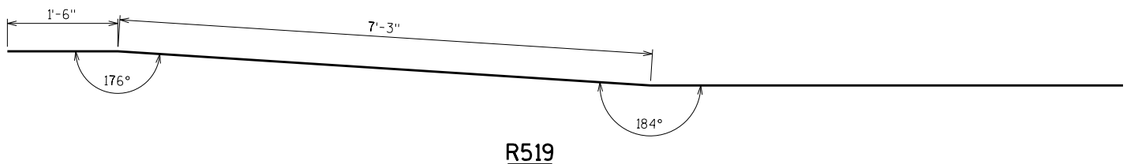
R516



R517



R518



R519

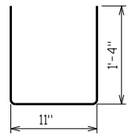
BILL OF BARS FOR SUPERSTRUCTURE

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

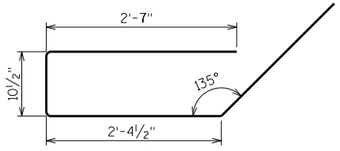
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
S401	X	126	3'-5"	X	ABUT. DIAPHS.-F.F.-BOT.-VERT.-LONGIT.-AT 3" NOTCHES
S402	X	8	32'-3"		ABUT. DIAPHS.-F.F.-BOT.-HORIZ.-TRANS.-AT 3" NOTCHES
S503	X	126	7'-8"	X	ABUT. DIAPHS./SLAB-BOT.-VERT.-LONGIT.-UNDER PAVING NOTCHES
S504	X	126	3'-7"	X	ABUT. DIAPHS./SLAB-VERT.-LONGIT.-ALONG PAVING NOTCHES
S505	X	12	34'-0"		ABUT. DIAPHS.-BOT.-HORIZ.-TRANSVERSE
S506	X	2	10'-4"	X	ABUT. DIAPHS.-VERTICAL-LONGIT.-AT WINGS 1&3 CORNERS ONLY
S507	X	2	10'-2"	X	ABUT. DIAPHS.-VERTICAL-LONGIT.-AT WINGS 1&3 CORNERS ONLY
S408	X	12	2-2"		ABUT. DIAPHS.-OUTSIDE FACES-VERT.-AT ALL FOUR WING CORNERS
S609	X	6	6'-8"	X	ABUT. DIAPHS.-HORIZ.-TRANS.-AT WINGS 1&3 CORNERS ONLY
S610	X	6	6'-5"	X	ABUT. DIAPHS.-HORIZ.-TRANS.-AT WINGS 2&4 CORNERS ONLY
S511	X	2	9'-11"	X	ABUT. DIAPHS.-VERTICAL-LONGIT.-AT WINGS 2&4 CORNERS ONLY
S512	X	2	10'-1"	X	ABUT. DIAPHS.-VERTICAL-LONGIT.-AT WINGS 2&4 CORNERS ONLY
S813	X	126	25'-9"	X	PIER HAUNCHES-BOT.-VERT.-LONGIT.
S514	X	20	32'-7"		PIER HAUNCHES-BOT.-HORIZ.-TRANSVERSE-ABOVE PIERS
S415	X	56	32'-2"		PIER HAUNCHES-BOT.-HORIZ.-TRANSVERSE-ON EACH SIDE OF PIERS
S1016	X	28	29'-4"		SLAB-BOTTOM-HORIZ.-LONGIT.-AT SPANS 1&3 EXTERIORS
S1017	X	126	34'-6"		SLAB-BOTTOM-HORIZ.-LONGIT.-AT SPANS 1&3
S1018	X	63	52'-8"		SLAB-BOTTOM-HORIZ.-LONGIT.-AT SPAN 2
S1019	X	62	35'-0"		SLAB-BOTTOM-HORIZ.-LONGIT.-AT SPAN 2
S1020	X	100	29'-8"		SLAB-BOTTOM-HORIZ.-LONGIT.-AT SPANS 1&3 INTERIOR
S621	X	226	32'-10"		SLAB-BOTTOM-HORIZ.-TRANSVERSE
S522	X	314	32'-9"		SLAB-TOP-HORIZ.-TRANSVERSE
S923	X	147	56'-10"		SLAB-TOP-HORIZ.-LONGIT.-END TO END-INTERIOR
S924	X	100	33'-9"		SLAB-TOP-HORIZ.-LONGIT.-OVER PIERS 1&2-INTERIOR
S1025	X	42	58'-2"		SLAB-TOP-HORIZ.-LONGIT.-END TO END-EXTERIORS
S1026	X	24	33'-9"		SLAB-TOP-HORIZ.-LONGIT.-OVER PIERS 1&2-EXTERIORS
S527	X	312	5'-0"		SLAB-TOP-HORIZ.-TRANSVERSE-AT BOTH EDGES
S528	X	468	4'-5"	X	PARAPETS/SLAB-VERTICAL-TRANSVERSE-AT BOTH SIDES
S529	X	468	5'-0"	X	PARAPETS-VERTICAL-TRANSVERSE-AT BOTH SIDES
S530	X	36	53'-2"		PARAPETS-BOTH FACES-HORIZ.-LONGIT.-AT BOTH SIDES

SS601		126	3'-0"		HAUNCHED SLAB/APPROACH SLAB-HORIZ.-LONGIT.-AT PAVING NOTCHES

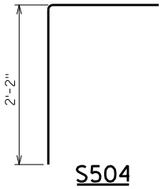
STAINLESS STEEL REINFORCEMENT



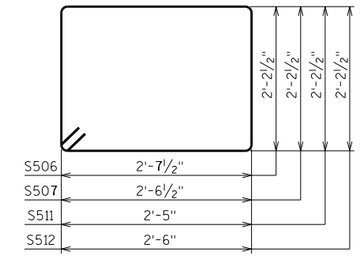
S401



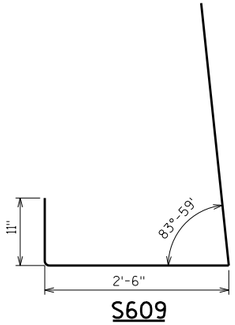
S503



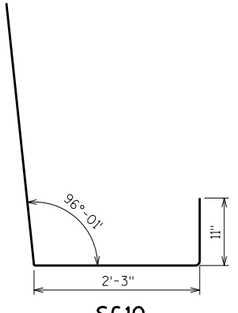
S504



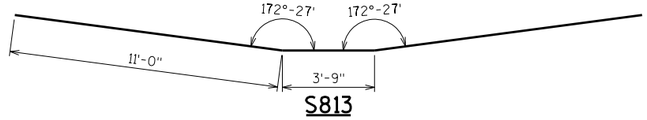
S506 S507 S511 S512
(STIRRUP BARS)



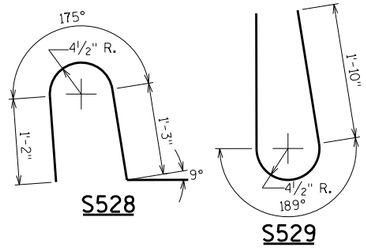
S609



S610



S813



S528 S529

STATE PROJECT NUMBER

1022-07-76

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-17-214

DRAWN BY JPH | PLANS CK'D. SEW

SUPERSTRUCTURE & APPROACH SLAB BAR DETAILS

SHEET 21

732

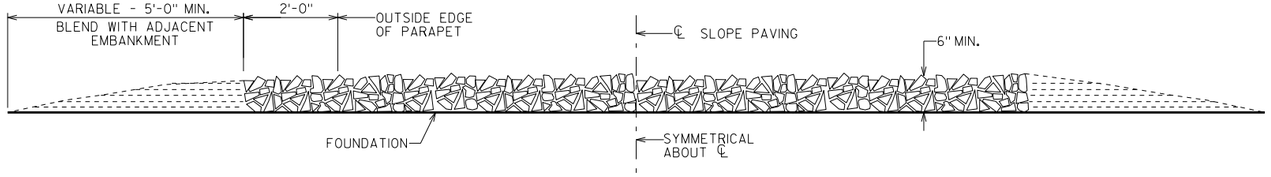
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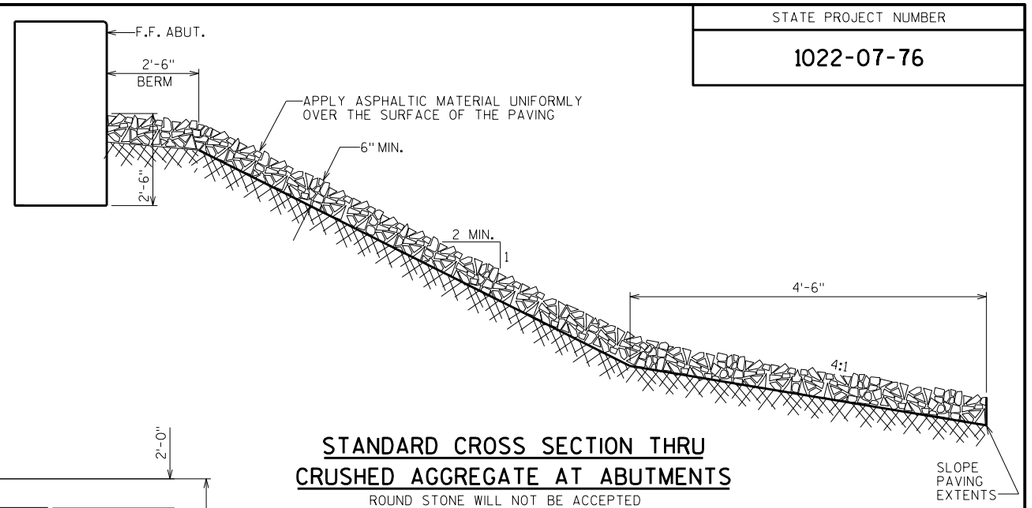
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STATE PROJECT NUMBER

1022-07-76

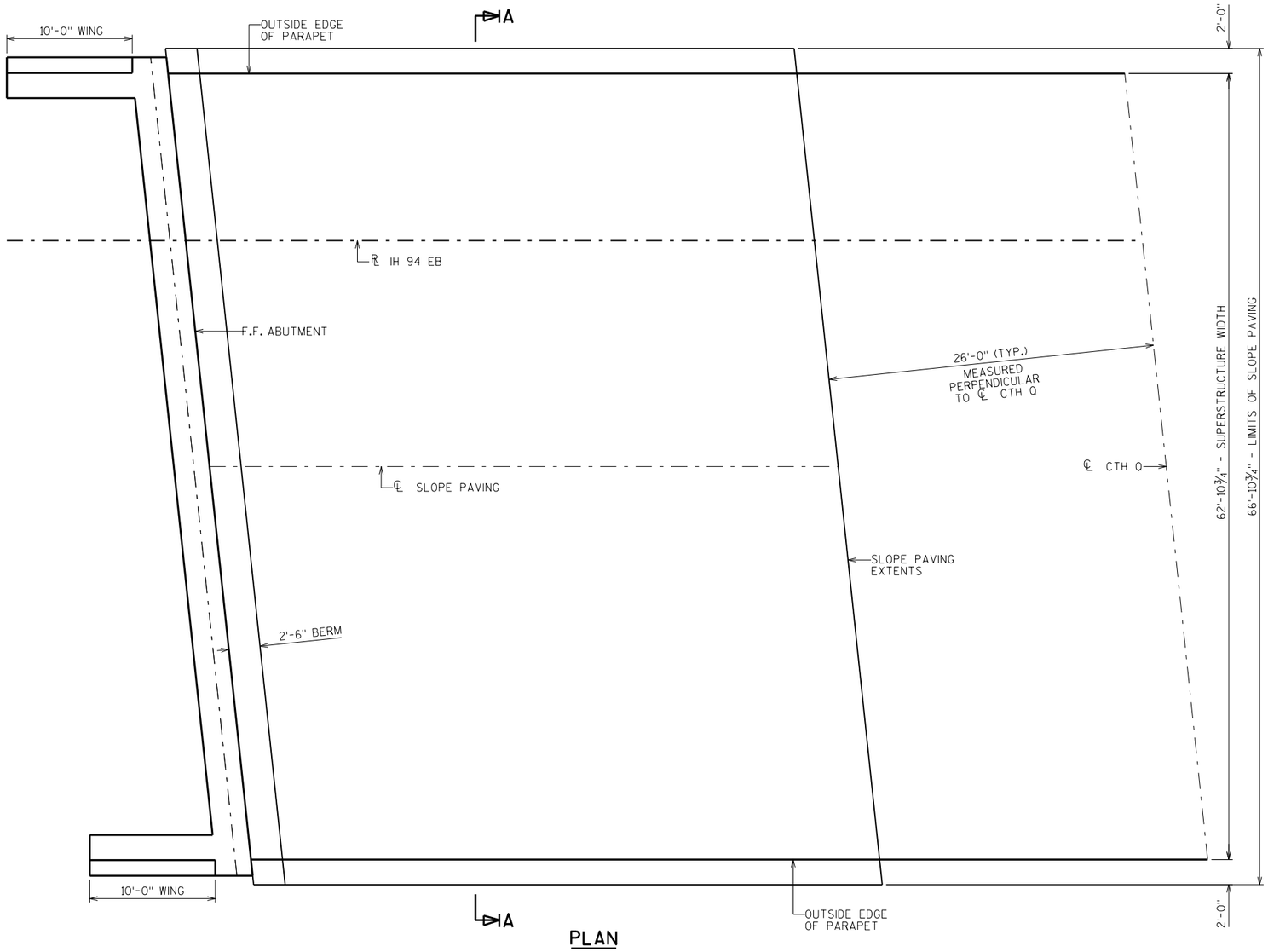


SECTION A-A



STANDARD CROSS SECTION THRU CRUSHED AGGREGATE AT ABUTMENTS

ROUND STONE WILL NOT BE ACCEPTED



PLAN

GENERAL NOTES

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

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-17-214

DRAWN BY JPH | PLANS CK'D. SEW

SLOPE PAVING CRUSHED AGGREGATE

SHEET 22

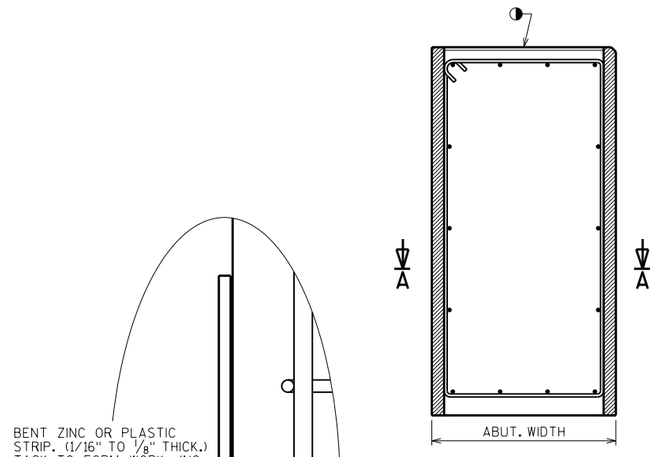
733

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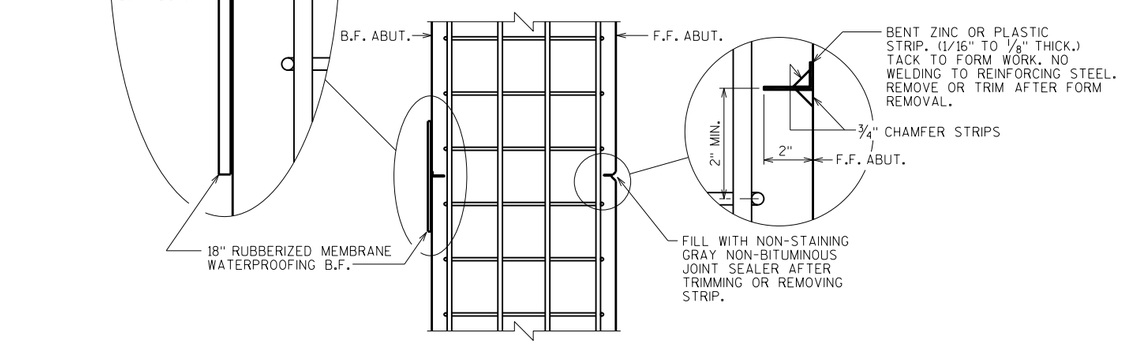
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8

STATE PROJECT NUMBER
1022-07-76



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-17-214

DRAWN BY JPH | PLANS CK'D. SEW

ALTERNATE CONSTRUCTION JOINT

SHEET 23

734

8

8

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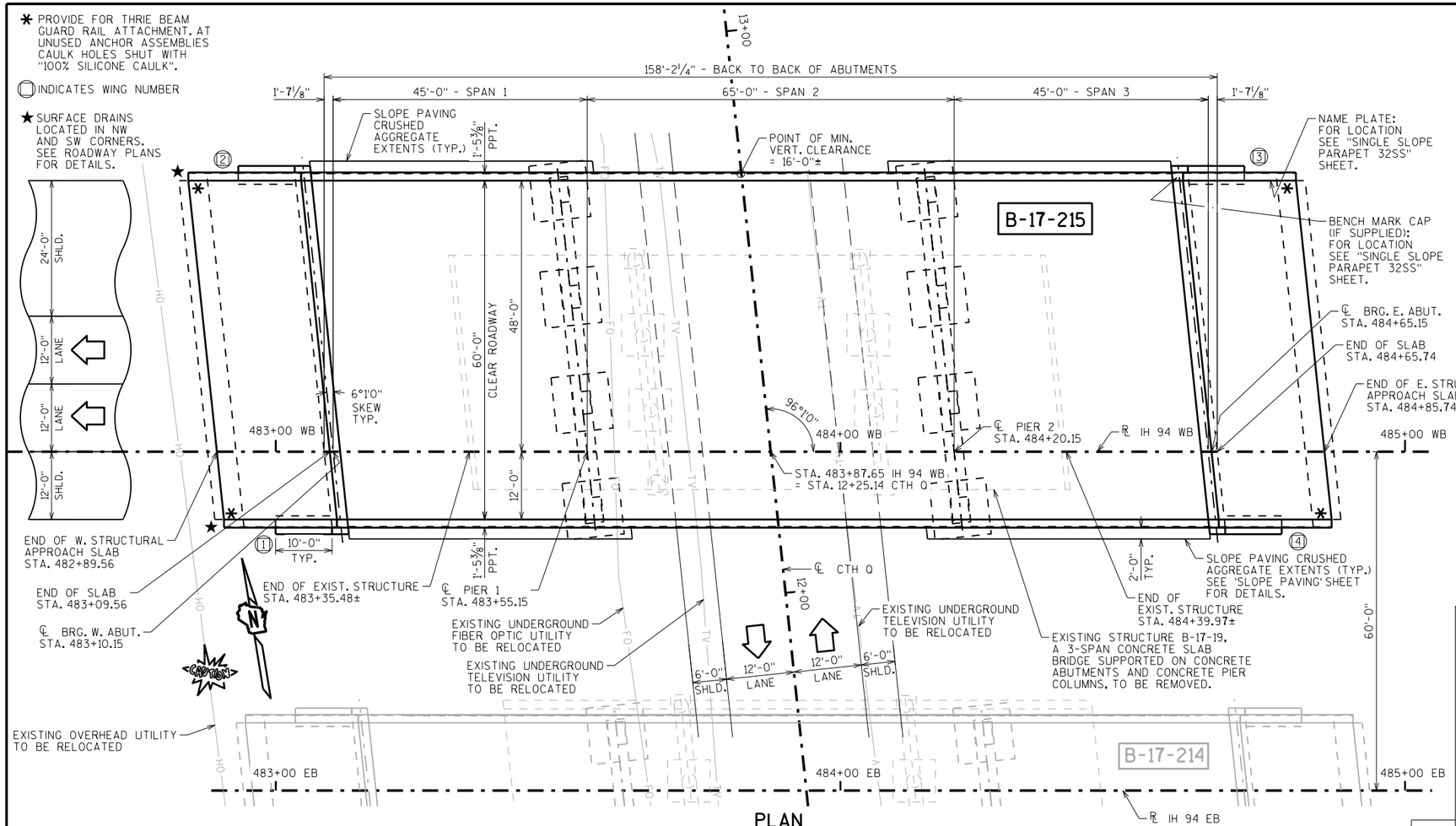
STATE PROJECT NUMBER

1022-07-76

✱ 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 IN NW AND SW CORNERS. SEE ROADWAY PLANS FOR DETAILS.



PLAN
3 SPAN - HAUNCHED SLAB

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.10
OPERATING RATING FACTOR: RF = 1.44
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 230 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
SUPERSTRUCTURE & STRUCTURAL APPROACH SLAB — f'c = 4,000 P.S.I.
ALL OTHER — f'c = 3,500 P.S.I.

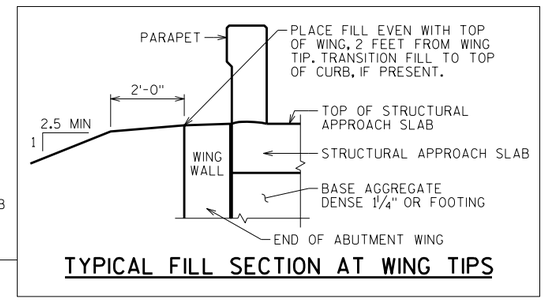
BAR STEEL REINFORCEMENT:
GRADE 60 — fy = 60,000 P.S.I.
STAINLESS, GRADE 60 — fy = 60,000 P.S.I.

FOUNDATION DATA

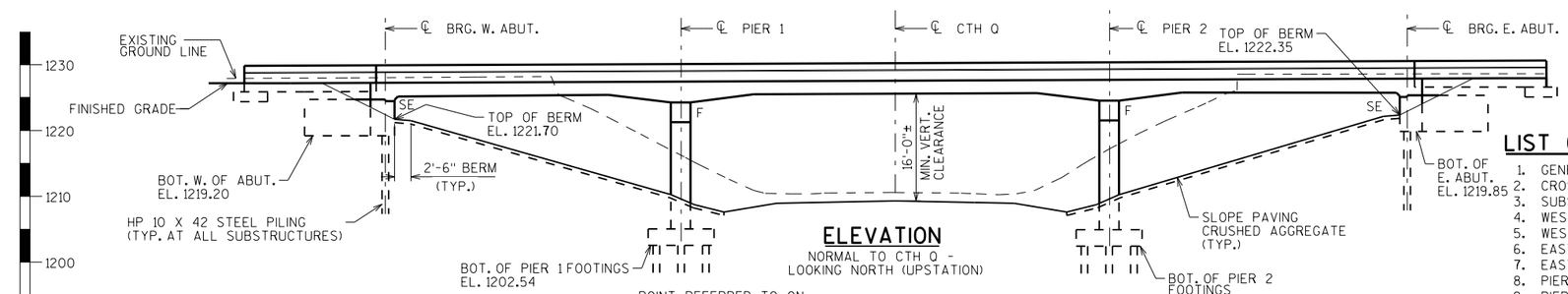
ABUTMENTS TO BE SUPPORTED ON HP 10 X 42 STEEL PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 180 TONS ✱✱ PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED 70 FEET LONG AT BOTH ABUTMENTS WITH PILE POINTS REQUIRED.

PIER TO BE SUPPORTED ON HP 10 X 42 STEEL PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 180 TONS ✱✱ PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED 35 FEET LONG AT BOTH PIERS WITH PILE POINTS REQUIRED.

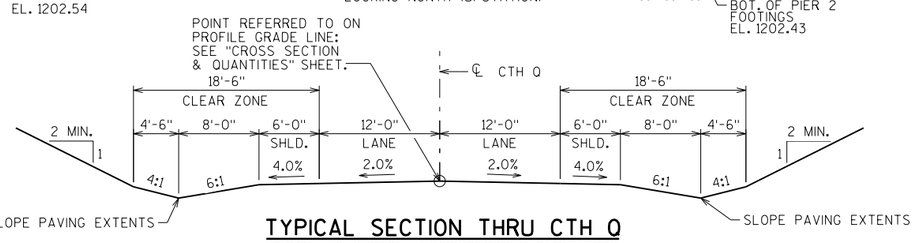
✱✱ THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.



TYPICAL FILL SECTION AT WING TIPS



ELEVATION
NORMAL TO CTH Q - LOOKING NORTH (UPSTATION)



TYPICAL SECTION THRU CTH Q
NORMAL TO CTH Q - LOOKING NORTH (UPSTATION)

TRAFFIC VOLUME

IH 94 WB
ADT = 45,000 (2039)
R.D.S. = 70 M.P.H.

CTH Q
ADT = 710 (2039)
R.D.S. = 60 M.P.H.

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. PIER 1
9. PIER 1 DETAILS
10. PIER 2
11. PIER 2 DETAILS
12. SUPERSTRUCTURE CROSS SECTIONS 1
13. SUPERSTRUCTURE CROSS SECTIONS 2
14. SUPERSTRUCTURE PLAN
15. SUPERSTRUCTURE DETAILS
16. SUPERSTRUCTURE LONGITUDINAL SECTIONS
17. SUPERSTRUCTURE DATA
18. STRUCTURAL APPROACH SLABS
19. STRUCTURAL APPROACH SLAB DETAILS
20. SINGLE SLOPE PARAPET 32SS
21. SUPERSTRUCTURE & APPROACH SLAB BAR DETAILS
22. SLOPE PAVING CRUSHED AGGREGATE
23. ALTERNATE CONSTRUCTION JOINT

STRUCTURE DESIGN CONTACTS:

STACIE WEIS (608) 261-6109
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURES

ACCEPTED William C. Dreher 7/25/18
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-17-215

IH 94 WB OVER CTH Q

COUNTY	TOWN
DUNN	LUCAS

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
SEW	VT	SEW/JPH	SEW

GENERAL PLAN

SHEET 1 OF 23

735

I.D. 1022-07-06F DATE: MAY 2018

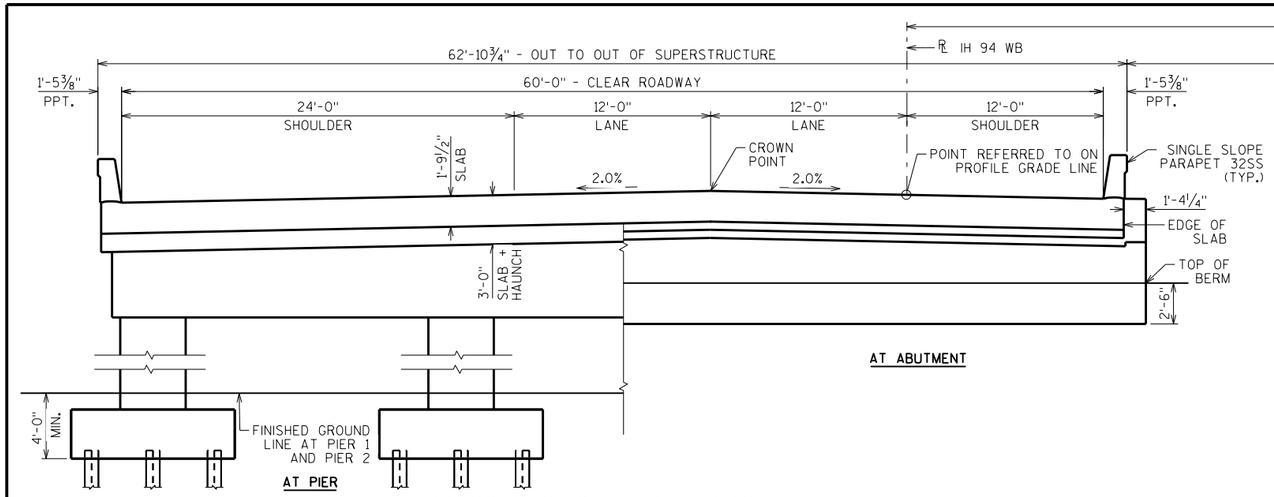
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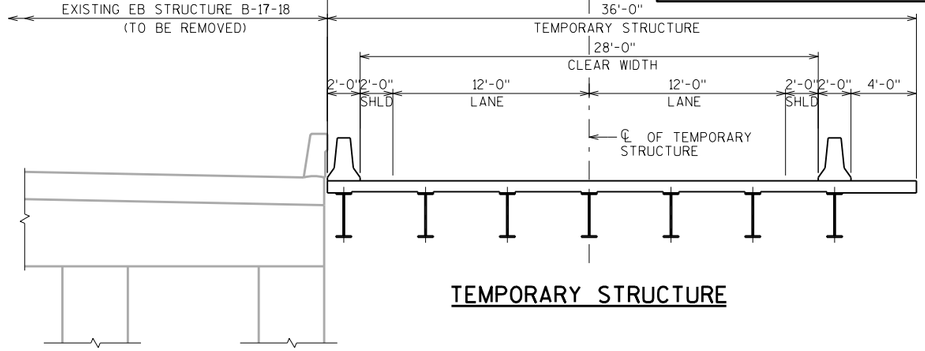
STATE PROJECT NUMBER

1022-07-76

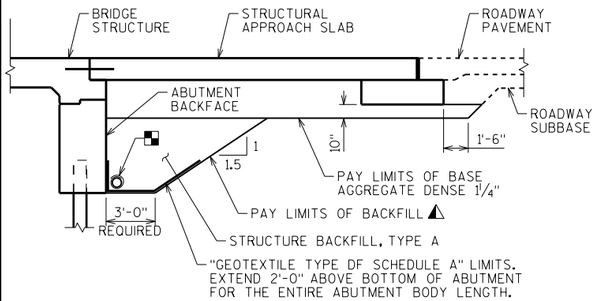


CROSS SECTION THRU BRIDGE

LOOKING EAST



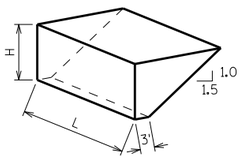
TEMPORARY STRUCTURE



TYPICAL SECTION THRU ABUTMENT

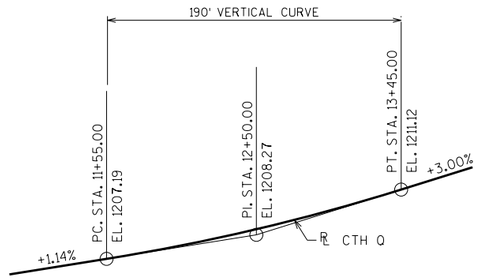
⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

▪ PIPE UNDERDRAIN WRAPPED (6 INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.

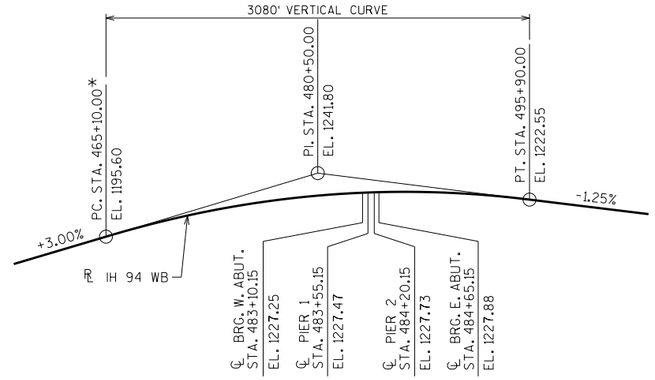


ABUTMENT BACKFILL DIAGRAM FOR WINGS PARALLEL TO ROADWAY

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)



PROFILE GRADE LINE - CTH Q



PROFILE GRADE LINE - IH 94 WB

*NOTE: THE VPC STATION IS A MODIFIED VALUE. SEE ROADWAY PLANS FOR THE STATION EQUATIONS USED.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	WEST APPROACH	WEST ABUT.	PIER 1	PIER 2	EAST ABUT.	EAST APPROACH	TOTALS
203.0200	REMOVING OLD STRUCTURE STA. 483+87.65 WB	LS	———	———	———	———	———	———	———	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-17-215	LS	———	———	———	———	———	———	———	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	———	———	126	———	———	126	———	252
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	———	192	———	———	———	———	192	392
502.0100	CONCRETE MASONRY BRIDGES	CY	771	84	51	103	104	51	84	1,248
502.3200	PROTECTIVE SURFACE TREATMENT	SY	1,075	135	———	———	———	———	135	1,345
502.3210	PIGMENTED SURFACE SEALER	SY	130	20	———	———	———	———	20	170
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	———	———	4,050	2,870	2,870	4,050	———	13,840
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	155,720	14,160	1,240	15,520	15,680	1,240	14,160	217,720
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	570	———	———	———	———	———	———	570
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	———	———	16	———	———	16	———	32
526.0100	TEMPORARY STRUCTURE STA. 483+44.69 EB	LS	———	———	———	———	———	———	———	1
550.0500	PILE POINTS	EACH	———	———	9	36	36	9	———	90
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF	———	———	630	1,260	1,260	630	———	3,780
604.0500	SLOPE PAVING CRUSHED AGGREGATE	SY	———	———	392	———	———	392	———	784
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	———	———	130	———	———	130	———	260
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	4	———	———	———	———	———	———	4
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	———	———	70	———	———	70	———	140
	NON-BID ITEMS									
	FILLER	SIZE	———	———	———	———	———	———	———	½", ¾", 1½"

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.

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. ALSO EXCLUDED IS THE "BASE AGGREGATE DENSE 1¼-INCH" AS DETAILED ON THE STRUCTURAL APPROACH SLAB SHEETS.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF HAUNCHED SLAB AND APPROACH SLAB SURFACES AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGMS.

PIGMENTED PROTECTIVE 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.

TEMPORARY STRUCTURE LOCATION IS SHOWN ON B-17-214 PLANS.

TEMPORARY SHORING INCLUDED IN BID ITEM "TEMPORARY STRUCTURE STA. 483+44.69 EB".

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B-17-215" SHALL BE THE EXISTING GROUNDLINE.

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.

SLAB FALSEWORK SHALL BE SUPPORTED ON PILES OR THE SUBSTRUCTURE. UNLESS AN ALTERNATE METHOD IS APPROVED BY THE ENGINEER.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-17-215

DRAWN BY SEW/JPH | PLANS CK'D. SEW

CROSS SECTION & QUANTITIES

SHEET 2

736

SCALE = 4.50

8

8

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
2	11/02/2017	187074	112672
5	11/08/2017	187113	112536
6	11/08/2017	187037	112623
42	7/03/1957	187001	112538
43	7/03/1957	186985	112668

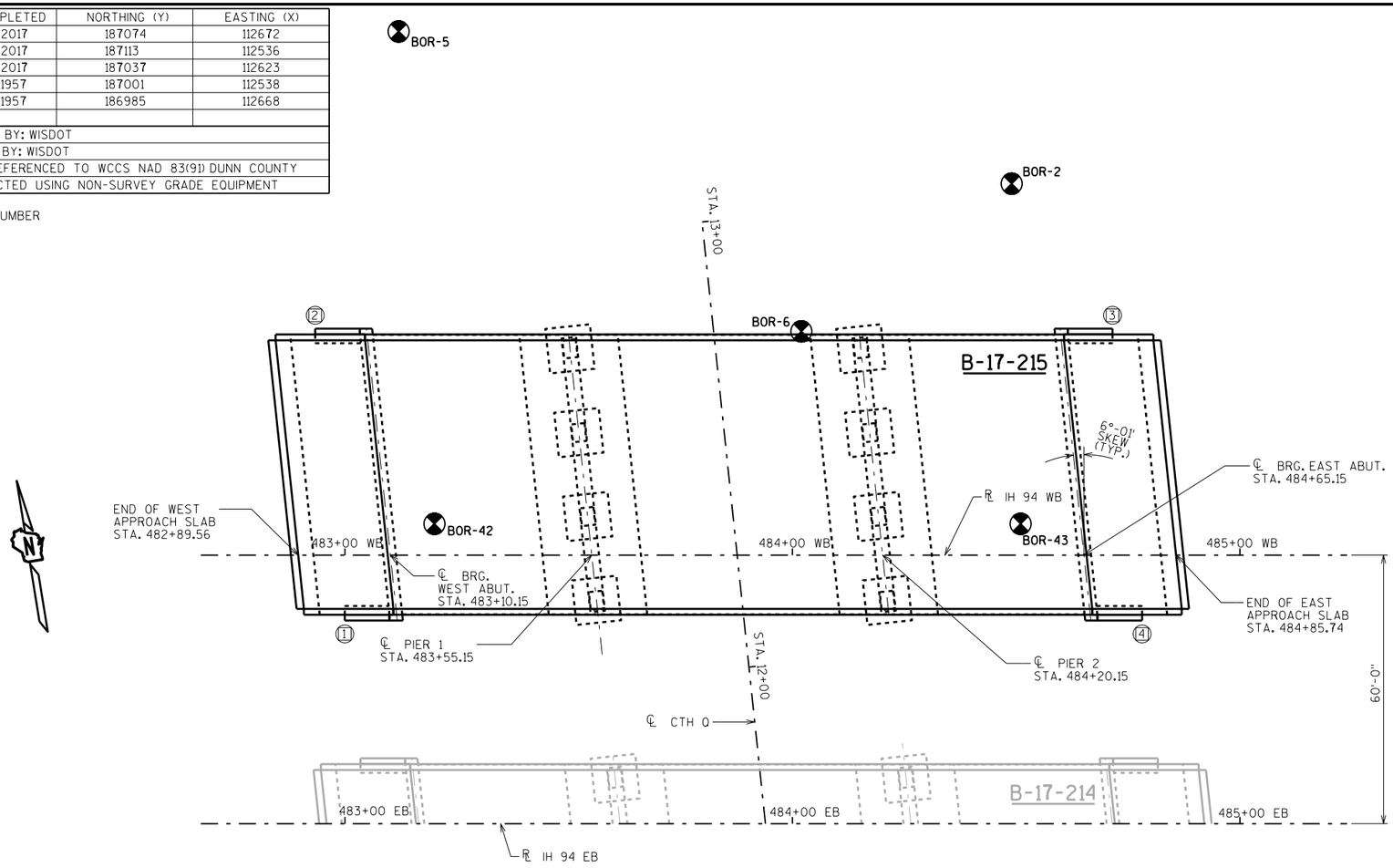
BORINGS COMPLETED BY: WISDOT

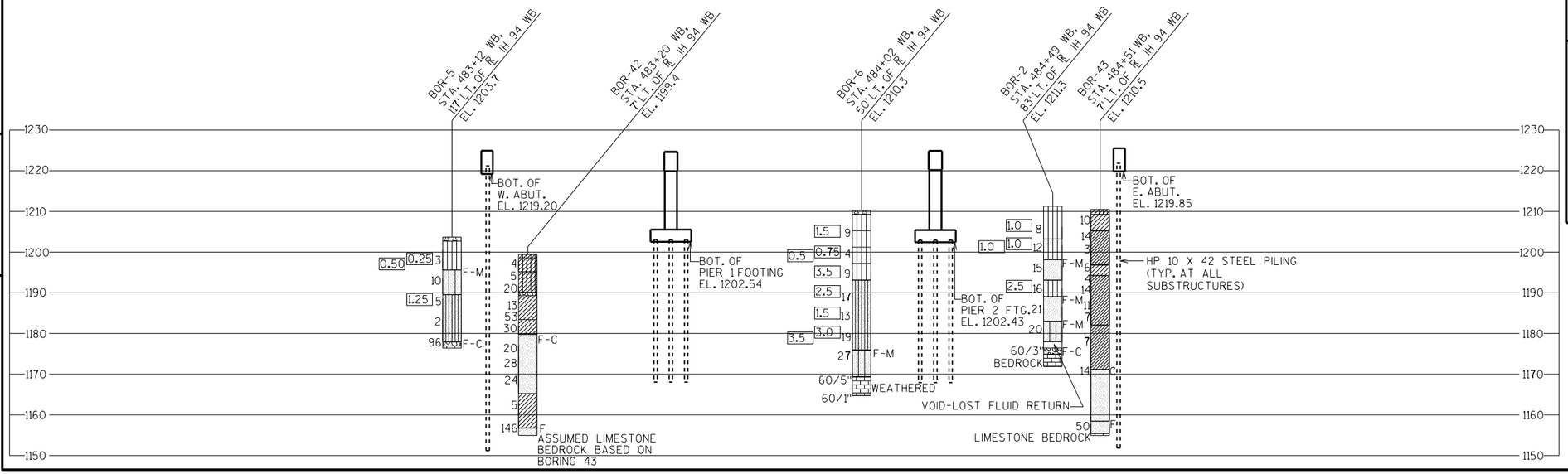
REPORT COMPLETED BY: WISDOT

ALL COORDINATES REFERENCED TO WCCS NAD 83(91) DUNN COUNTY

COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT

(2) INDICATES WING NUMBER





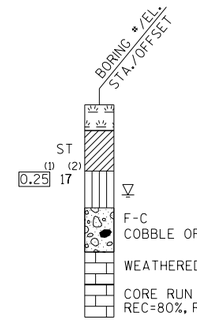
STATE PROJECT NUMBER

1022-07-76

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-17-215

DRAWN BY JPH | PLANS CK'D. SEW

SUBSURFACE EXPLORATION

SHEET 3

737

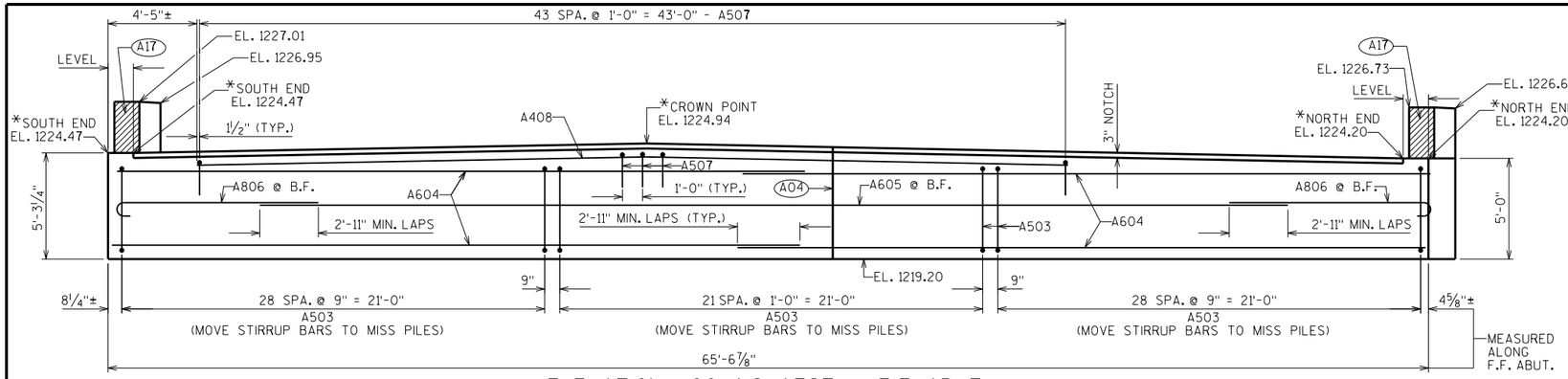
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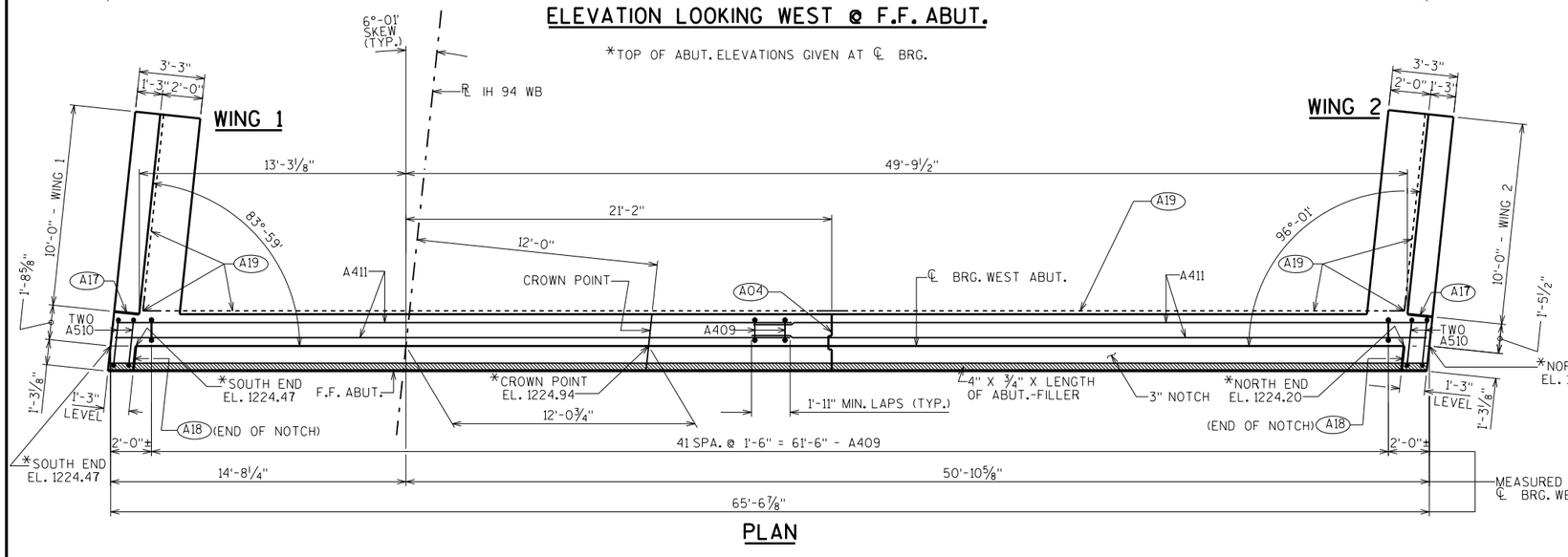
STATE PROJECT NUMBER

1022-07-76

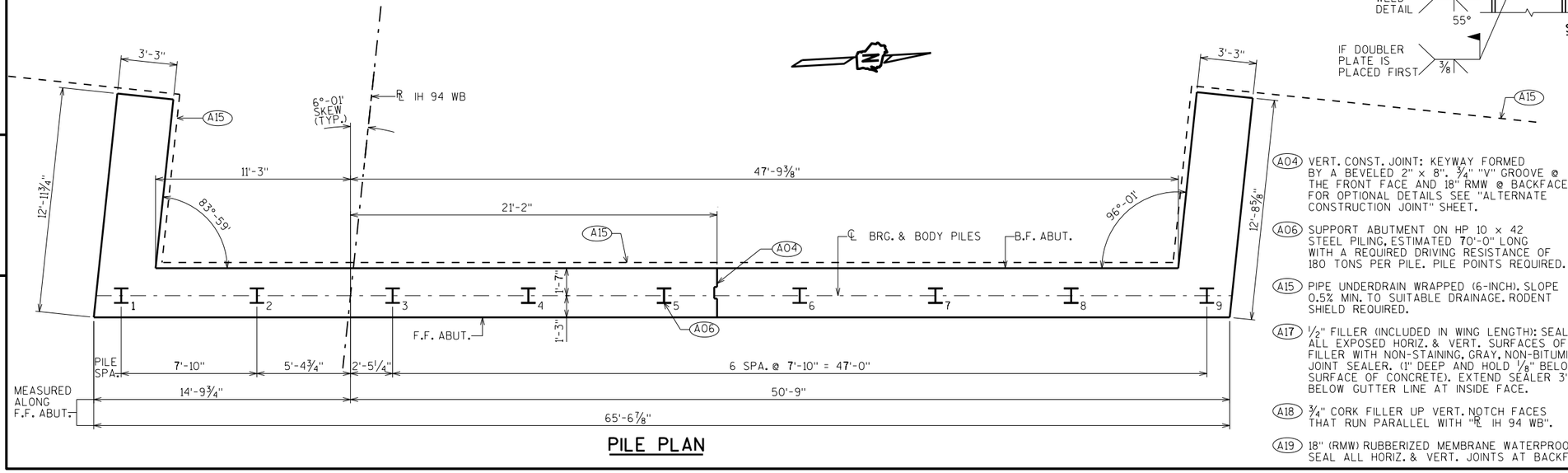


ELEVATION LOOKING WEST @ F.F. ABUT.

*TOP OF ABUT. ELEVATIONS GIVEN AT ℄ BRG.

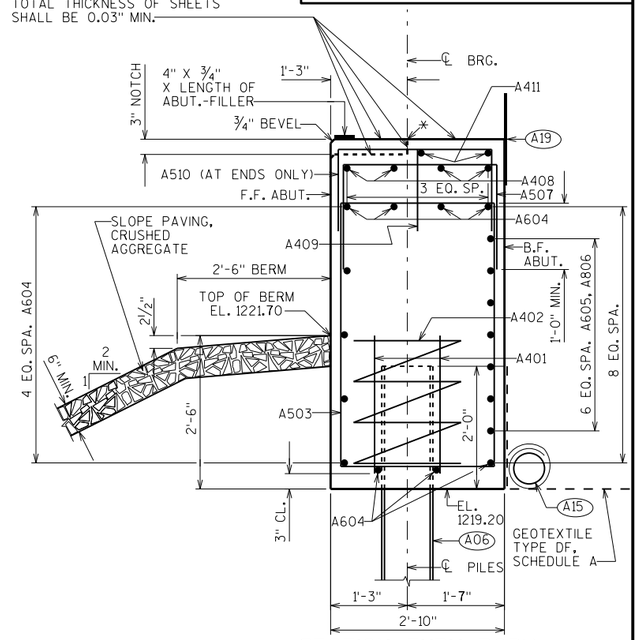


PLAN

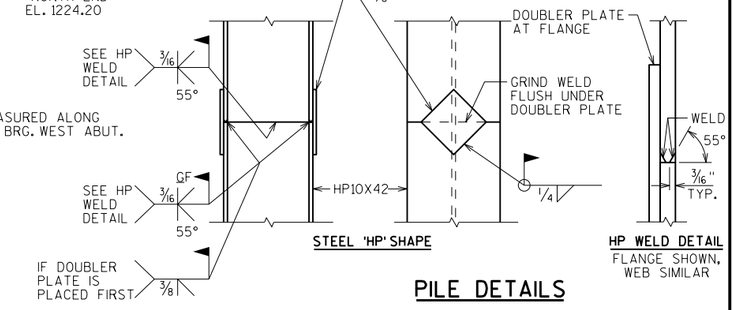


PILE PLAN

STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING SUPERSTRUCTURE. TOTAL THICKNESS OF SHEETS SHALL BE 0.03" MIN.



SECTION THRU BODY



STEEL 'HP' SHAPE

HP WELD DETAIL
FLANGE SHOWN, WEB SIMILAR

PILE DETAILS

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.

A06 SUPPORT ABUTMENT ON HP 10 x 42 STEEL PILING, ESTIMATED 70'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE. PILE POINTS REQUIRED.

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. NOTCH FACES THAT RUN PARALLEL WITH "℄ IH 94 WB".

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-17-215

DRAWN BY JPH | PLANS CK'D. SEW

WEST ABUTMENT

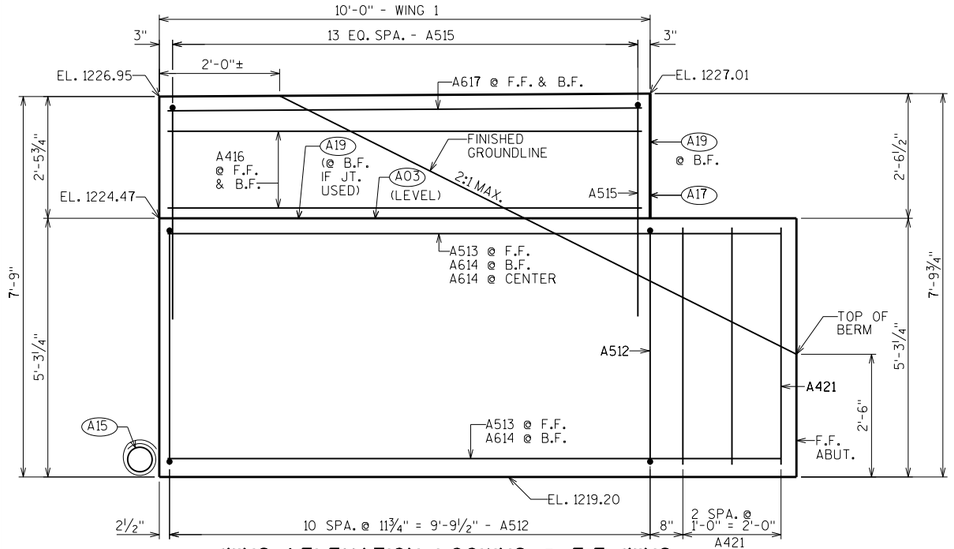
SHEET 4

738

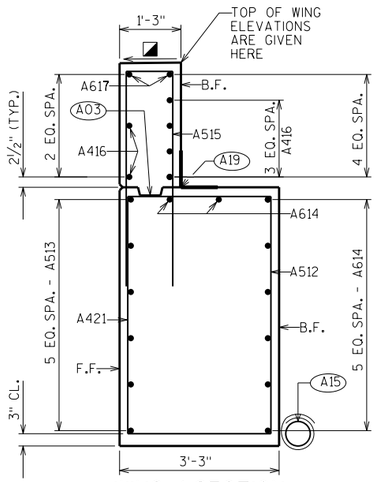
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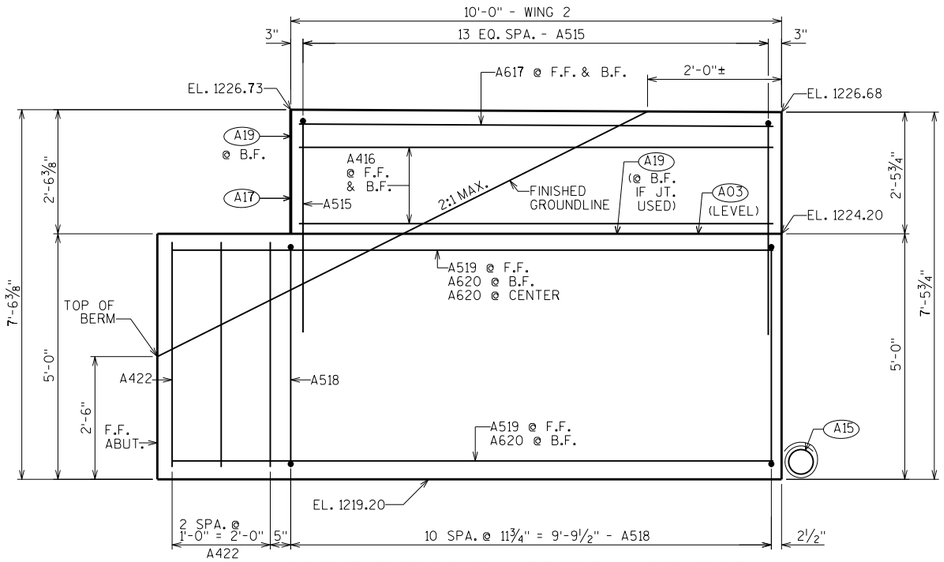
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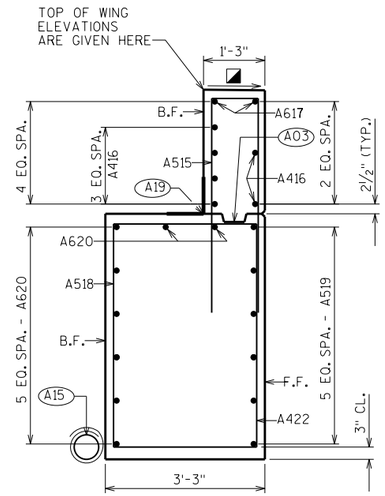
WING 1 ELEVATION LOOKING @ F.F. WING



WING 1 SECTION



WING 2 ELEVATION LOOKING @ F.F. WING



WING 2 SECTION

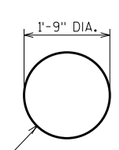
STATE PROJECT NUMBER

1022-07-76

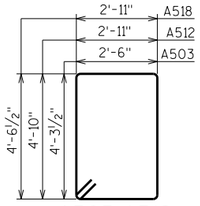
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

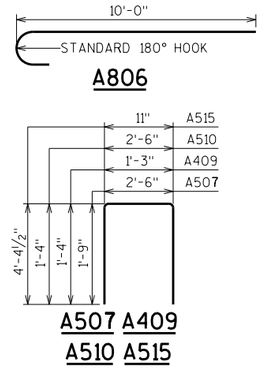
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
A401		18	2'-3"		BODY-BOT.-2 PER BODY PILE-VERT.
A402		9	28'-0"	X	BODY-BOT.-SPIRAL-1 PER BODY PILE-VERT.
A503		80	14'-3"	X	BODY-STIRRUPS-VERT.
A604		22	34'-2"		BODY-HORIZONTAL-END TO END
A605		7	51'-2"		BODY-HORIZONTAL-B.F.-AT CENTER
A806		14	10'-11"	X	BODY-HORIZONTAL-B.F.-AT BOTH ENDS
A507		44	5'-9"	X	BODY-TOP-VERT.-UNDER NOTCH
A408		4	43'-3"		BODY-TOP-HORIZ.-UNDER NOTCH
A409		42	3'-9"	X	BODY-TOP-VERT.-ALONG NOTCH
A510		4	4'-11"	X	BODY-TOP-VERT.-AT ENDS ONLY
A411		4	33'-7"		BODY-TOP-HORIZ.-END TO END
A512	X	11	16'-2"	X	WING 1-BOT.-STIRRUP-VERT.
A513	X	6	12'-6"		WING 1-BOT.-HORIZONTAL-F.F.
A614	X	8	12'-0"		WING 1-BOT.-HORIZONTAL-B.F. & CENTER
A515	X	28	9'-5"	X	WINGS 1&2-TOP-VERTICAL
A416	X	12	9'-8"		WINGS 1&2-TOP-HORIZONTAL-B.F. & F.F.
A617	X	4	9'-8"		WINGS 1&2-TOP-HORIZONTAL-B.F. & F.F.
A518	X	11	15'-7"	X	WING 2-BOT.-STIRRUP-VERT.
A519	X	6	12'-3"		WING 2-BOT.-HORIZONTAL-F.F.
A620	X	8	12'-2"		WING 2-BOT.-HORIZONTAL-B.F. & CENTER
A421	X	3	4'-10"		WING 1/BODY-BOT.-VERT.-F.F.
A422	X	3	4'-7"		WING 2/BODY-BOT.-VERT.-F.F.



A402



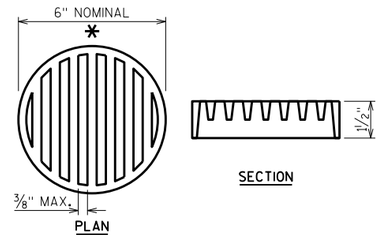
A503 A512
A518



A806

A507 A409
A510 A515

FINISH SMOOTH - SLOPE TO DRAIN



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. & 3/4" "V" GROOVE @ F.F. IF JOINT IS USED).

(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.

(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-17-215

DRAWN BY JPH | PLANS CK'D. SEW

WEST ABUTMENT DETAILS

SHEET 5

739

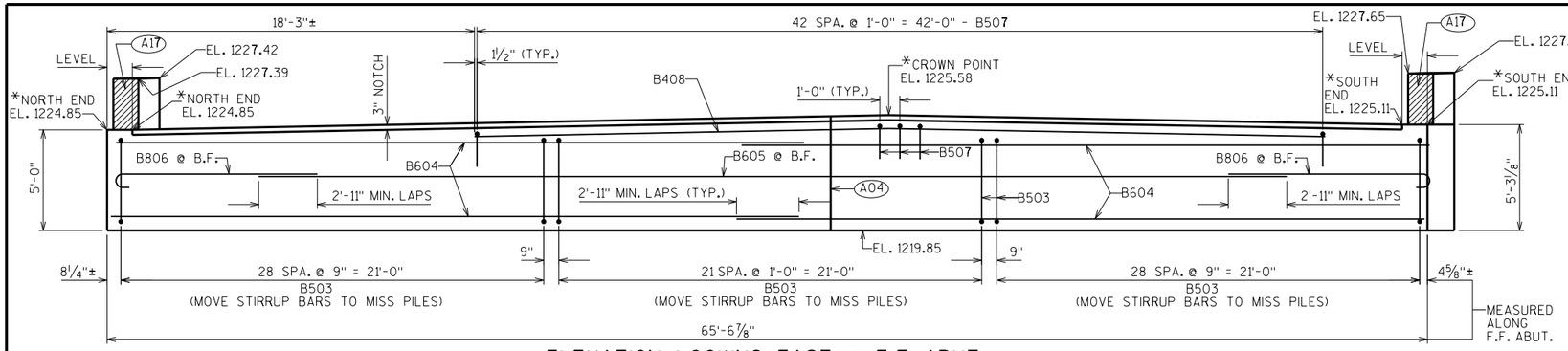
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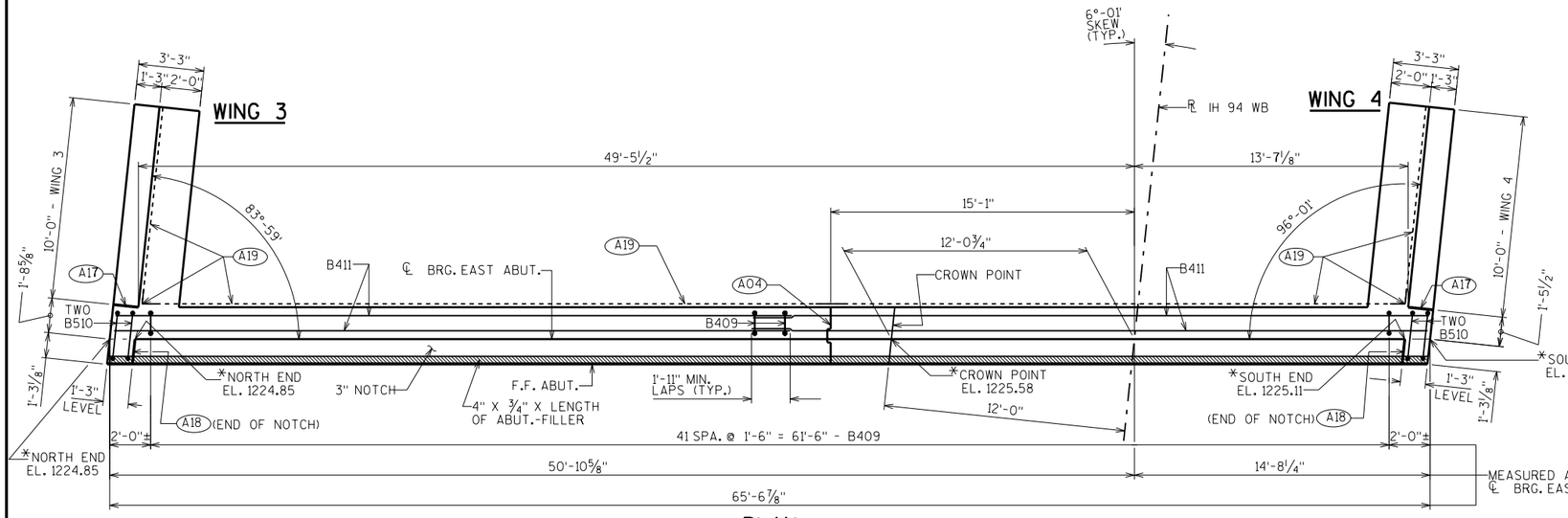
STATE PROJECT NUMBER

1022-07-76

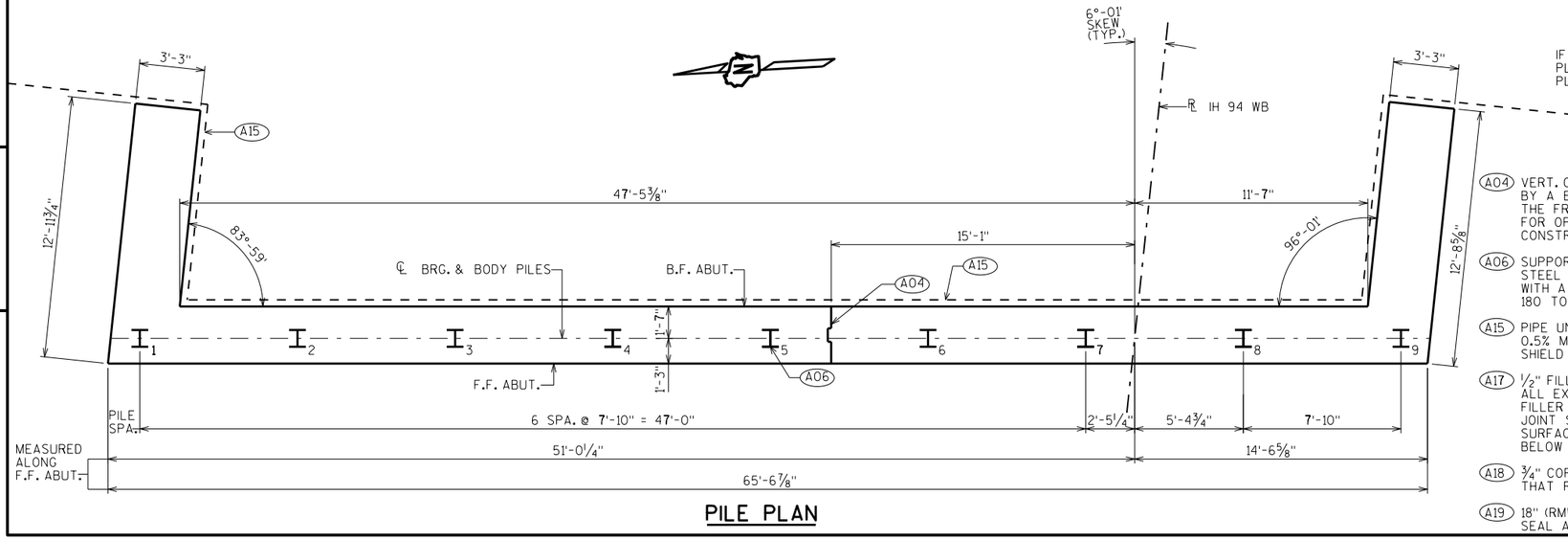


ELEVATION LOOKING EAST @ F.F. ABUT.

*TOP OF ABUT. ELEVATIONS GIVEN AT ℄ BRG.

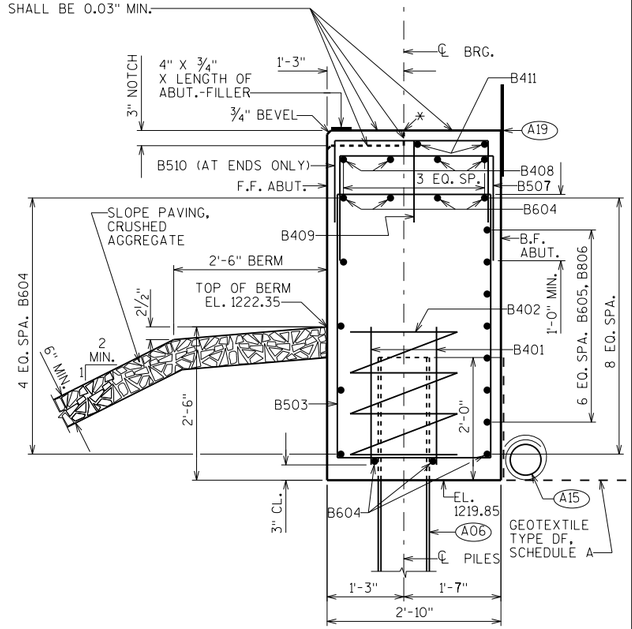


PLAN

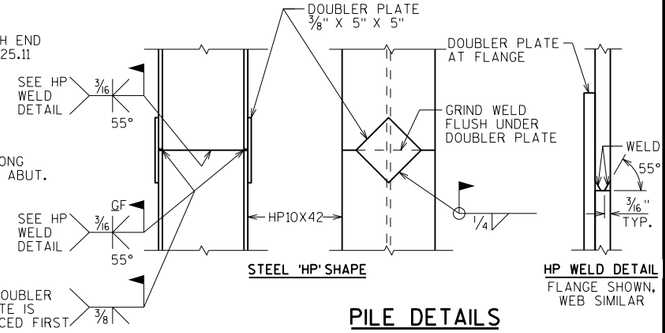


PILE PLAN

STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING SUPERSTRUCTURE. TOTAL THICKNESS OF SHEETS SHALL BE 0.03" MIN.



SECTION THRU BODY



STEEL 'HP' SHAPE

HP WELD DETAIL

FLANGE SHOWN, WEB SIMILAR

PILE DETAILS

(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.

(A06) SUPPORT ABUTMENT ON HP 10 x 42 STEEL PILING, ESTIMATED 70'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE. PILE POINTS REQUIRED.

(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. NOTCH FACES THAT RUN PARALLEL WITH "℄ IH 94 WB".

(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-17-215

DRAWN BY JPH | PLANS CK'D. SEW

EAST ABUTMENT

SHEET 6

740

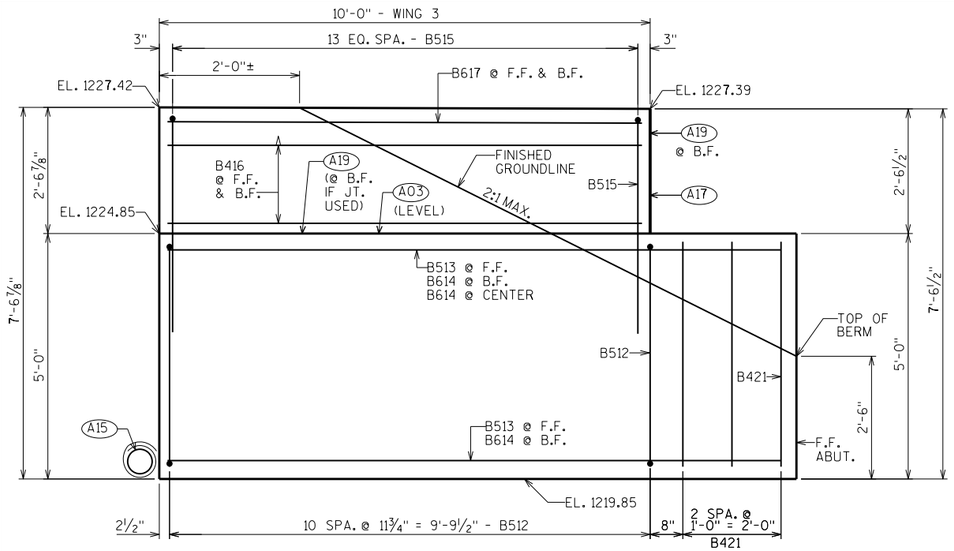
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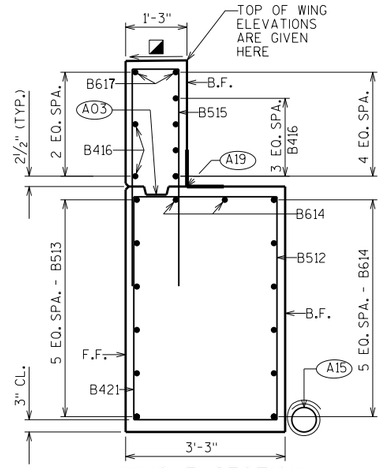
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STATE PROJECT NUMBER

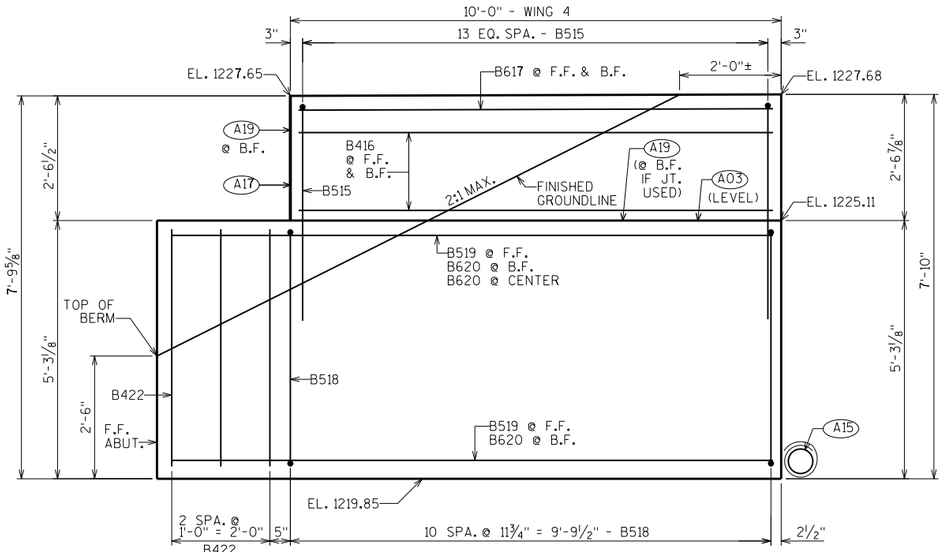
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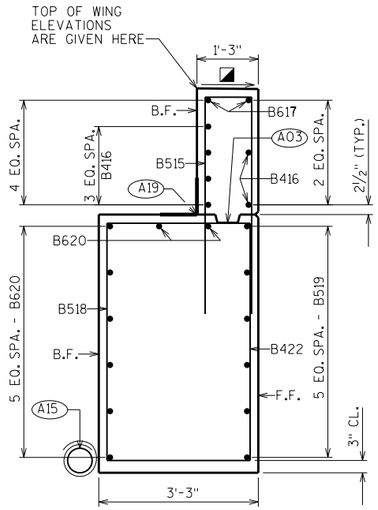
WING 3 ELEVATION LOOKING @ F.F. WING



WING 3 SECTION



WING 4 ELEVATION LOOKING @ F.F. WING

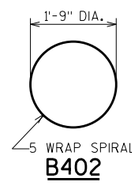


WING 4 SECTION

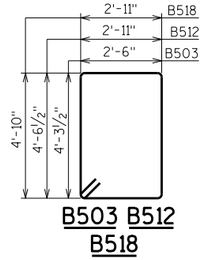
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

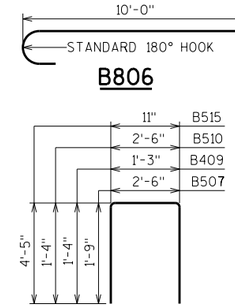
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
B401		18	2'-3"		BODY-BOT.-2 PER BODY PILE-VERT.
B402		9	28'-0"	X	BODY-BOT.-SPIRAL-1 PER BODY PILE-VERT.
B503		80	14'-3"	X	BODY-STIRRUPS-VERT.
B604		22	34'-2"		BODY-HORIZONTAL-END TO END
B605		7	51'-2"		BODY-HORIZONTAL-B.F.-AT CENTER
B806		14	10'-11"	X	BODY-HORIZONTAL-B.F.-AT BOTH ENDS
B507		43	5'-9"	X	BODY-TOP-VERT.-UNDER NOTCH
B408		4	42'-3"		BODY-TOP-HORIZ.-UNDER NOTCH
B409		42	3'-9"	X	BODY-TOP-VERT.-ALONG NOTCH
B510		4	4'-11"	X	BODY-TOP-VERT.-AT ENDS ONLY
B411		4	33'-7"		BODY-TOP-HORIZ.-END TO END
B512	X	11	15'-7"	X	WING 3-BOT.-STIRRUP-VERT.
B513	X	6	12'-6"		WING 3-BOT.-HORIZONTAL-F.F.
B614	X	8	12'-0"		WING 3-BOT.-HORIZONTAL-B.F. & CENTER
B515	X	28	9'-6"	X	WINGS 3&4-TOP-VERTICAL
B416	X	12	9'-8"		WINGS 3&4-TOP-HORIZONTAL-B.F. & F.F.
B617	X	4	9'-8"		WINGS 3&4-TOP-HORIZONTAL-B.F. & F.F.
B518	X	11	16'-2"	X	WING 4-BOT.-STIRRUP-VERT.
B519	X	6	12'-3"		WING 4-BOT.-HORIZONTAL-F.F.
B620	X	8	12'-2"		WING 4-BOT.-HORIZONTAL-B.F. & CENTER
B421	X	3	4'-7"		WING 3/BODY-BOT.-VERT.-F.F.
B422	X	3	4'-10"		WING 4/BODY-BOT.-VERT.-F.F.



B402



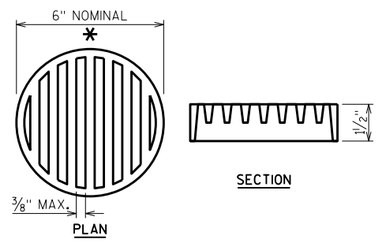
B503 B512
B518



B806

B507 B409
B510 B515

FINISH SMOOTH - SLOPE TO DRAIN



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).

(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.

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STRUCTURES DESIGN SECTION

STRUCTURE B-17-215

DRAWN BY JPH | PLANS CK'D. SEW

EAST ABUTMENT DETAILS

SHEET 7

741

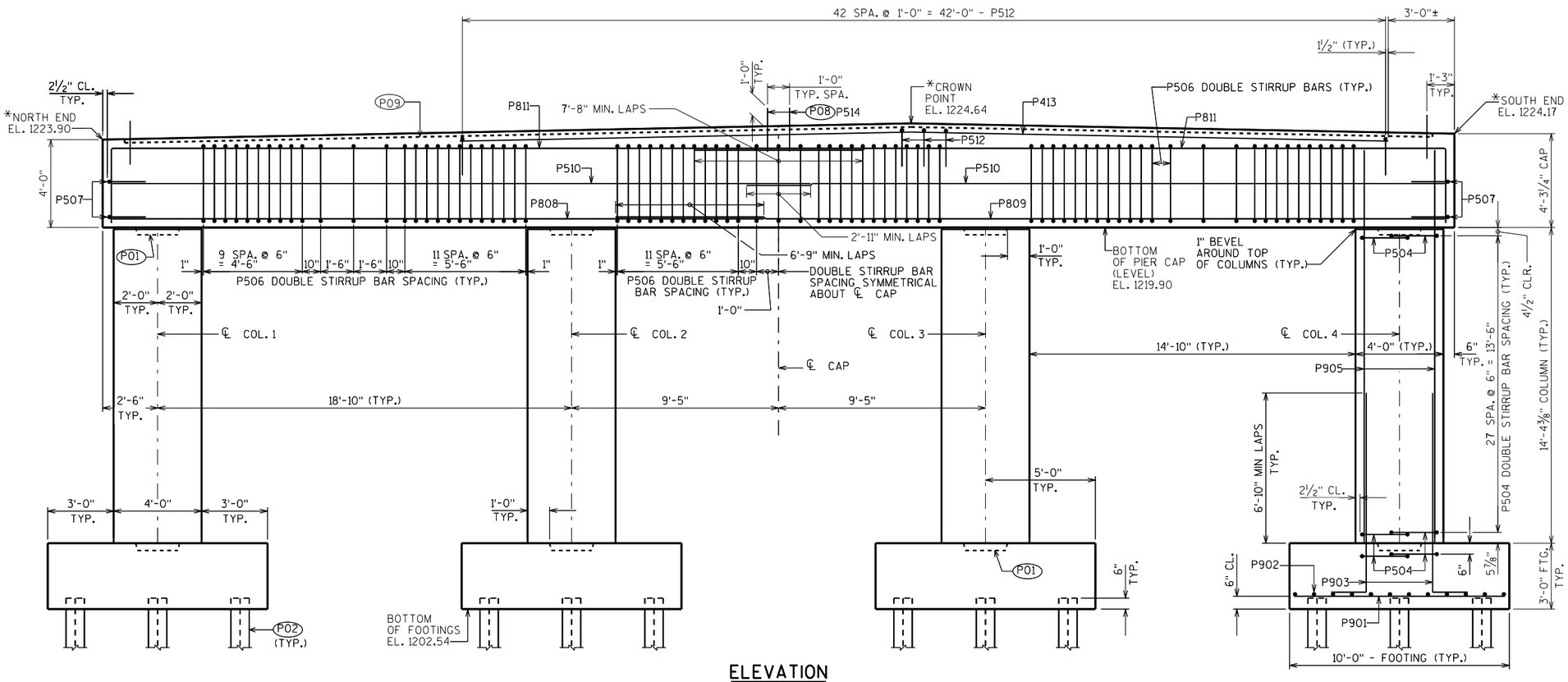
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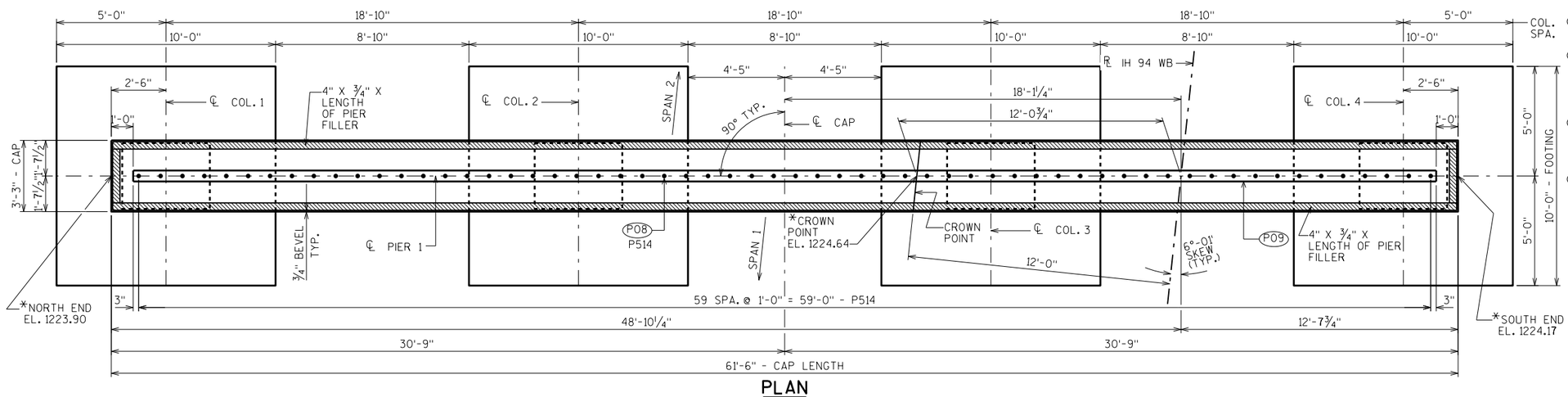
STATE PROJECT NUMBER

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ELEVATION
(LOOKING EAST)

*TOP OF PIER CAP ELEVATIONS GIVEN HERE AT ℄ PIER



PLAN

P01 2'-0" x 1'-3" x 4" DEEP CONSTRUCTION JOINT FORMED BY BEVELED KEYWAY.

P02 SUPPORT PIER ON HP 10 x 42 STEEL PILING. ESTIMATED 35 FEET LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE. PILE POINTS REQUIRED. SEE "PILE DETAILS" ON NEXT SHEET.

P08 P514 BARS @ 1'-0" CTRS. AT TOP OF PIER CAP. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

P09 KEYED CONSTRUCTION JOINT-FORMED BY BEVELED 2" x 6" AT TOP OF PIER CAP.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-17-215

DRAWN BY JPH | PLANS CK'D. SEW

PIER 1

SHEET 8

742

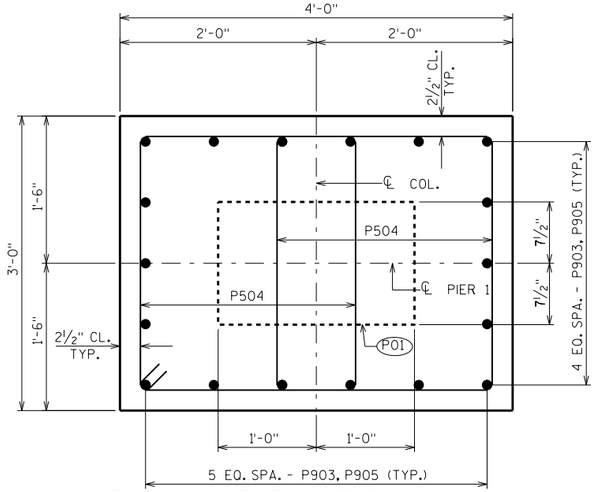
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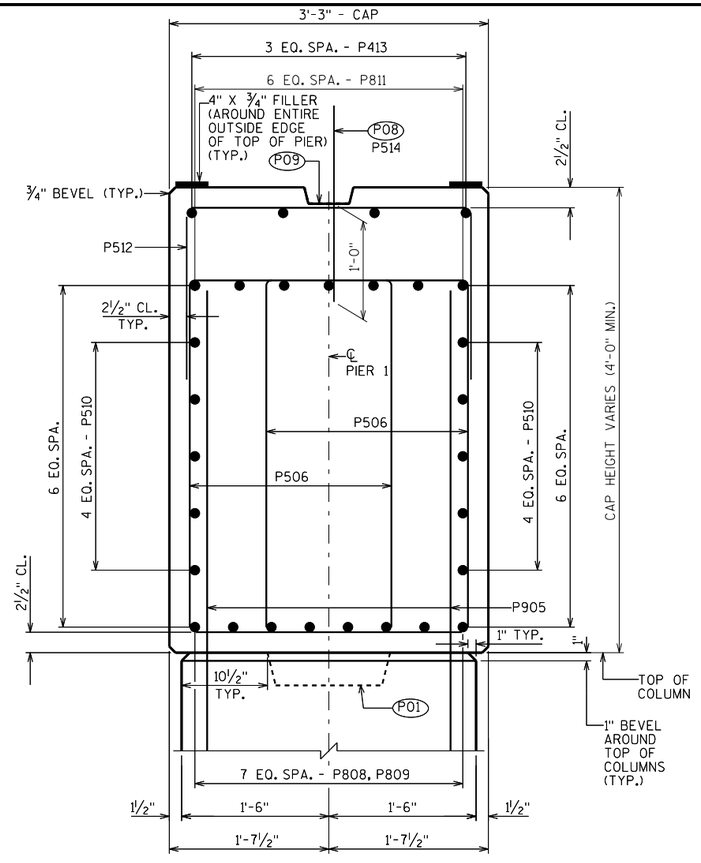
STATE PROJECT NUMBER

1022-07-76



TYPICAL SECTION THRU COLUMNS

(SHOWING DOUBLE STIRRUPS)



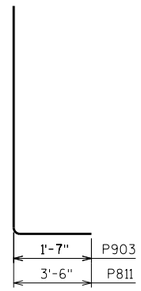
SECTION THRU CAP

(SHOWING DOUBLE STIRRUPS)

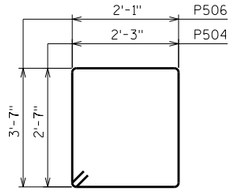
BILL OF BARS

NOTE:
THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

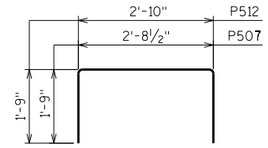
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
P901		40	9'-7"		FOOTINGS-BOTTOM-HORIZ.-LONGIT.-BOT. LAYER
P902		48	9'-7"		FOOTINGS-BOTTOM-HORIZ.-TRANS.-TOP LAYER
P903	X	72	10'-6"	X	FOOTINGS/COLUMNS-VERTICAL-ALL FACES
P504	X	232	10'-4"	X	FOOTINGS & COLUMNS-HORIZ.-DOUBLE STIRRUPS
P905	X	72	18'-0"		COLUMNS/CAP-VERTICAL-ALL FACES
P506	X	154	12'-0"	X	CAP-BOT.-VERTICAL-TRANSVERSE-DOUBLE STIRRUPS-BTWN. COLUMNS
P507	X	12	6'-0"	X	CAP-HORIZ.-BOTH ENDS ONLY
P808	X	8	30'-0"		CAP-BOT.-HORIZ.-LONGIT.-AT NORTH END ONLY
P809	X	8	37'-10"		CAP-BOT.-HORIZ.-LONGIT.-AT SOUTH END ONLY
P510	X	20	32'-0"		CAP-HORIZ.-LONGIT.-BOTH FACES-BOTH ENDS
P811	X	14	37'-9"	X	CAP-TOP-HORIZ. & VERT.-LONGIT.-BOTH ENDS
P512	X	43	6'-1"	X	CAP-TOP-VERTICAL-TRANSVERSE- ABOVE COLS. 2-4
P413	X	4	42'-3"		CAP-TOP-HORIZ.-LONGIT.-ABOVE COLS. 2-4
P514	X	60	2'-0"		CAP-TOP-VERTICAL-TRANSVERSE-CENTER



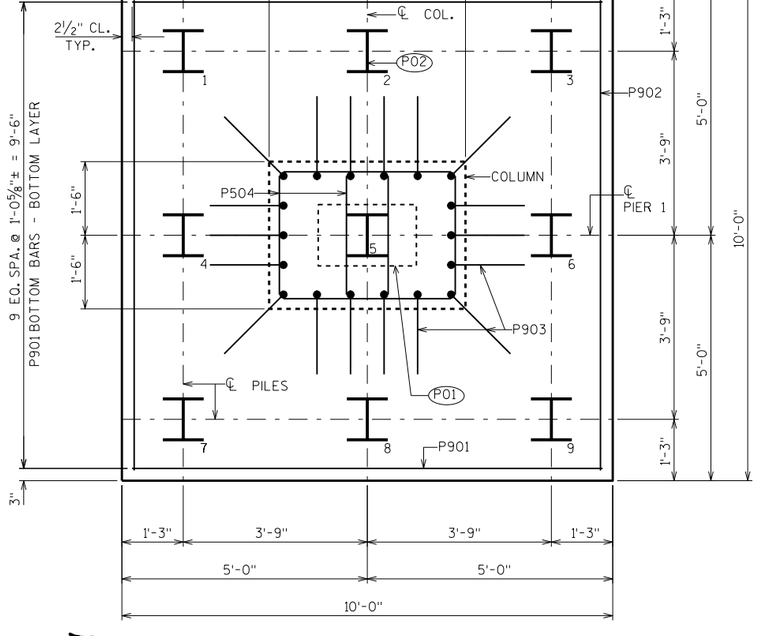
P903 P811



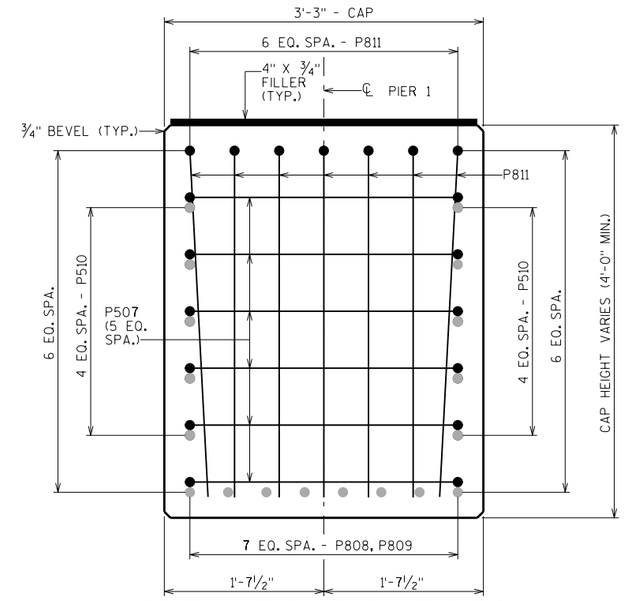
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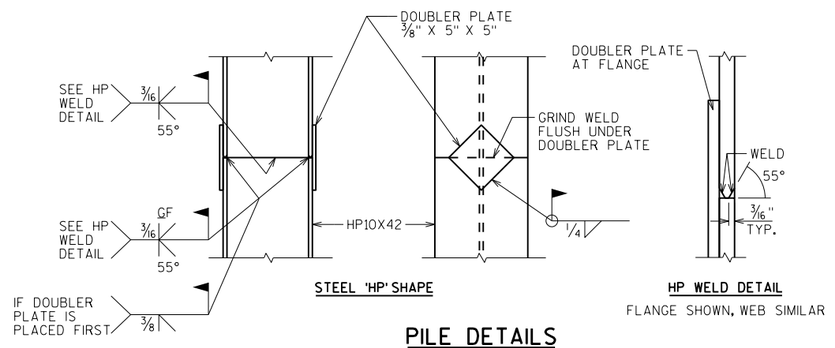
P507 P512



TYPICAL FOOTING/PILE PLAN



SECTION THRU CAP AT ENDS



STEEL 'HP' SHAPE

HP WELD DETAIL

FLANGE SHOWN, WEB SIMILAR

PILE DETAILS

(P01) 2'-0" x 1'-3" x 4" DEEP CONSTRUCTION JOINT FORMED BY BEVELED KEYWAY.

(P02) SUPPORT PIER ON HP 10 x 42 STEEL PILING, ESTIMATED 35 FEET LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE. PILE POINTS REQUIRED.

(P08) P514 BARS @ 1'-0" CTRS. AT TOP OF PIER CAP. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

(P09) KEYED CONSTRUCTION JOINT-FORMED BY BEVELED 2" x 6" AT TOP OF PIER CAP.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-17-215

DRAWN BY JPH | PLANS CK'D. SEW

PIER 1 DETAILS

SHEET 9

743

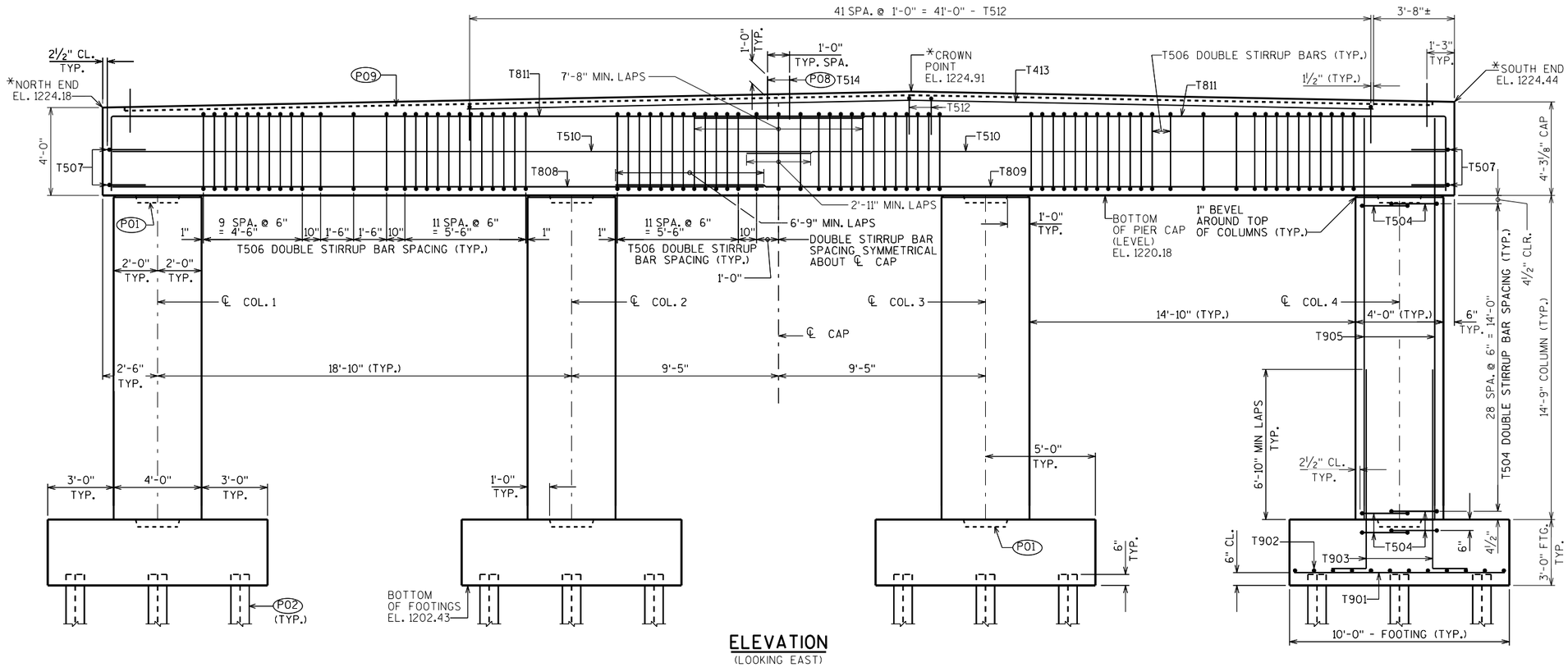
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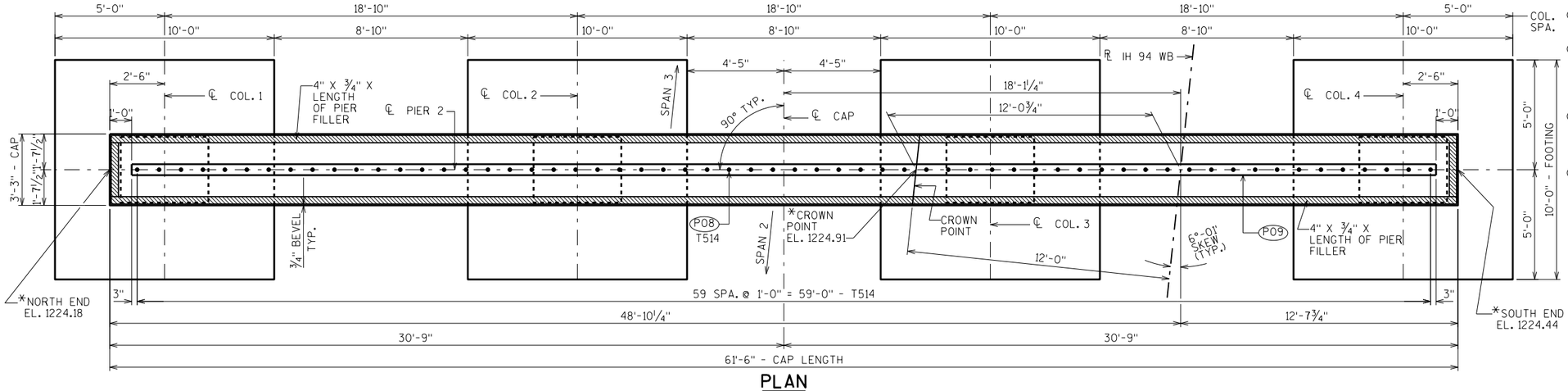
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ELEVATION
(LOOKING EAST)

*TOP OF PIER CAP ELEVATIONS GIVEN AT ℄ PIER 2



PLAN

P01 2'-0" x 1'-3" x 4" DEEP CONSTRUCTION JOINT FORMED BY BEVELED KEYWAY.

P02 SUPPORT PIER ON HP 10 x 42 STEEL PILING. ESTIMATED 35 FEET LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE. PILE POINTS REQUIRED. SEE "PILE DETAILS" ON NEXT SHEET.

P08 T514 BARS @ 1'-0" CTRS. AT TOP OF PIER CAP. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

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PIER 2

SHEET 10

744

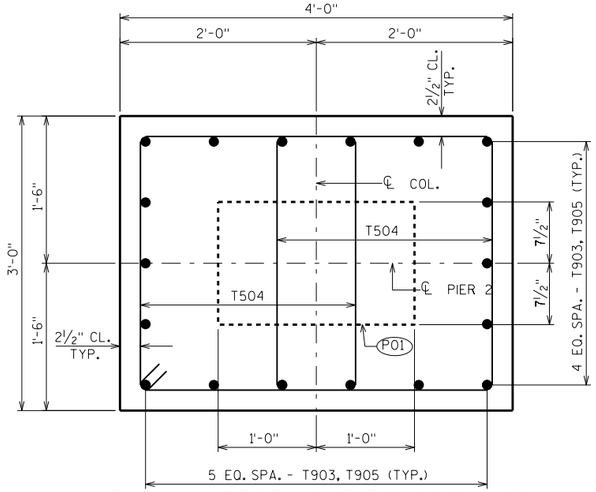
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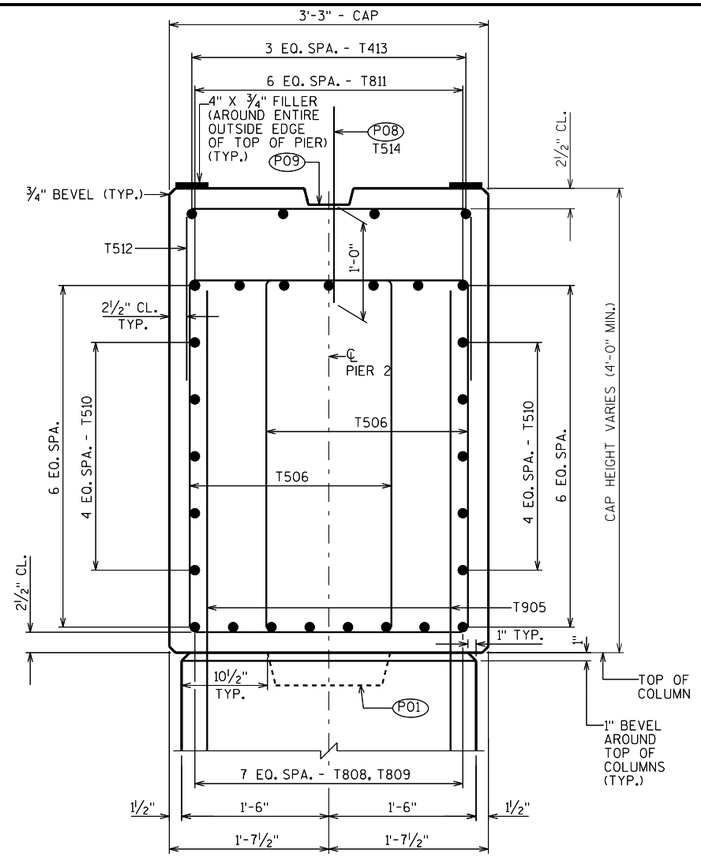
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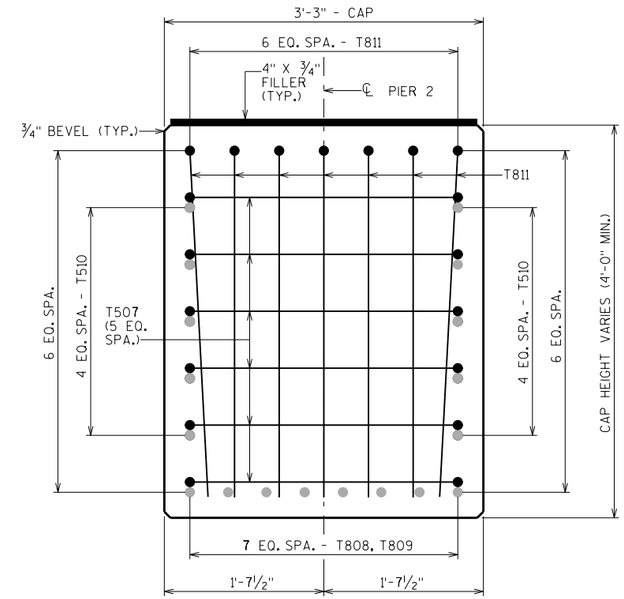
TYPICAL SECTION THRU COLUMNS

(SHOWING DOUBLE STIRRUPS)



SECTION THRU CAP

(SHOWING DOUBLE STIRRUPS)



SECTION THRU CAP AT ENDS

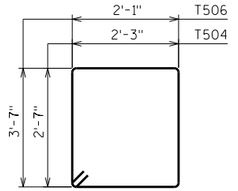
BILL OF BARS

NOTE:
THE FIRST OR FIRST TWO DIGITS OF
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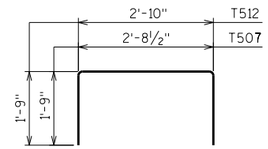
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
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T811	X	14	37'-9"	X	CAP-TOP-HORIZ. & VERT.-LONGIT.-BOTH ENDS
T512	X	42	6'-1"	X	CAP-TOP-VERTICAL-TRANSVERSE- ABOVE COLS. 2-4
T413	X	4	41'-3"		CAP-TOP-HORIZ.-LONGIT.-ABOVE COLS. 2-4
T514	X	60	2'-0"		CAP-TOP-VERTICAL-TRANSVERSE-CENTER



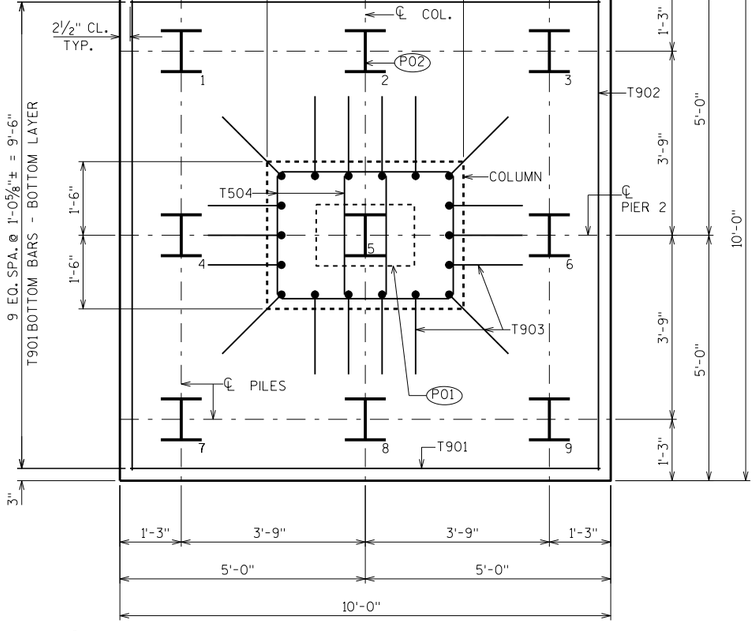
T903 T811



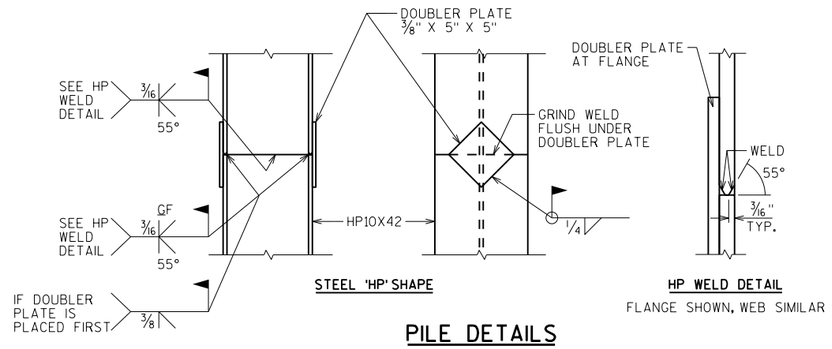
T504 T506



T507 T512



TYPICAL FOOTING/PILE PLAN



STEEL 'HP' SHAPE

HP WELD DETAIL

FLANGE SHOWN, WEB SIMILAR

PILE DETAILS

P01 2'-0" x 1'-3" x 4" DEEP CONSTRUCTION JOINT FORMED BY BEVELED KEYWAY.

P02 SUPPORT PIER ON HP 10 x 42 STEEL PILING, ESTIMATED 35 FEET LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE. PILE POINTS REQUIRED.

P08 T514 BARS @ 1'-0" CTRS. AT TOP OF PIER CAP. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

P09 KEYED CONSTRUCTION JOINT-FORMED BY BEVELED 2" x 6" AT TOP OF PIER CAP.

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STATE OF WISCONSIN
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STRUCTURES DESIGN SECTION

STRUCTURE B-17-215

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PIER 2 DETAILS

SHEET 11

745

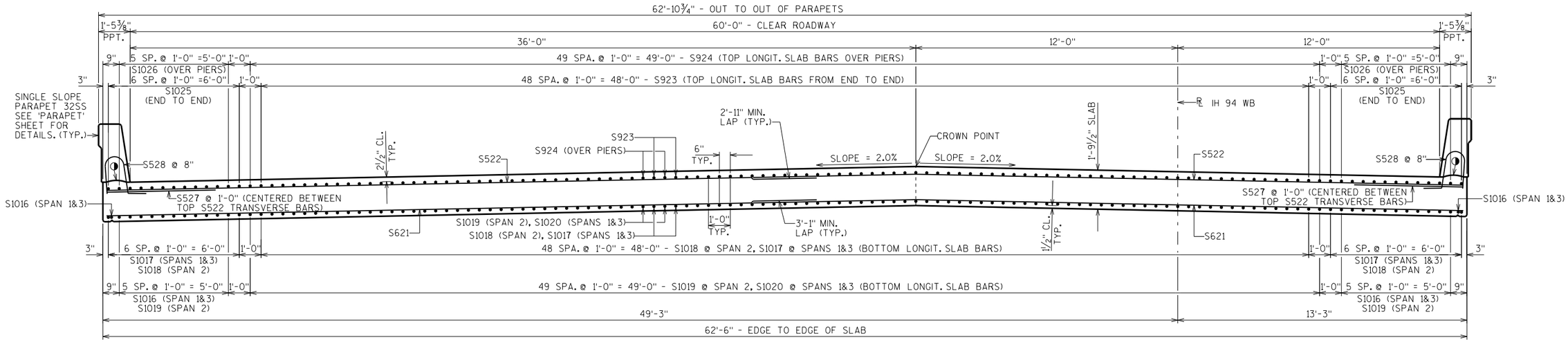
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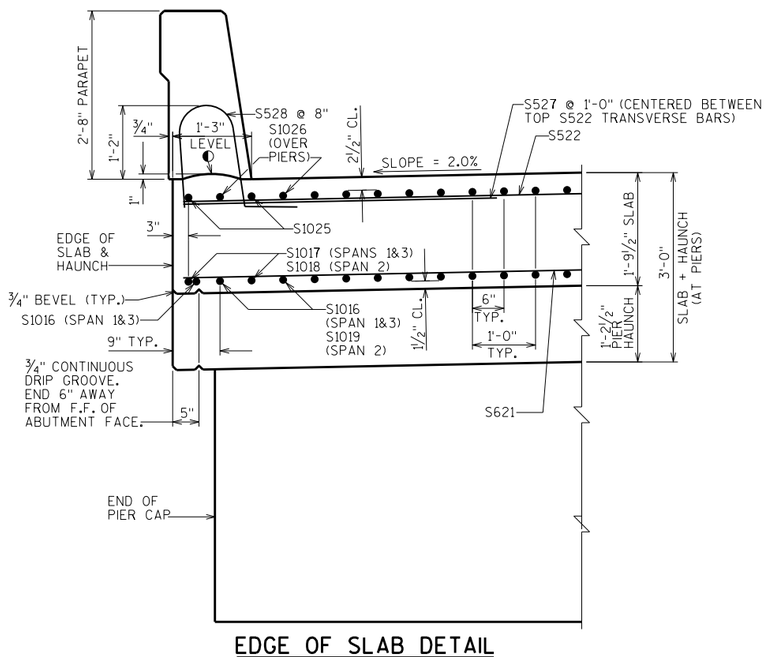
STATE PROJECT NUMBER

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TYPICAL CROSS SECTION THRU BRIDGE

(SHOWING SLAB REINFORCEMENT - LOOKING EAST)



EDGE OF SLAB DETAIL

(TYP. @ BOTH SIDES)
(PIER SECTION SHOWN - OTHER LOCATIONS SIMILAR)

NOTE:

FOR THE SECTIONS THRU THE ABUTMENT DIAPHRAGMS AND SECTION THRU THE PIER DIAPHRAGM SEE THE "SUPERSTRUCTURE LONGITUDINAL SECTIONS" SHEET.

FOR THE ABUTMENT DIAPHRAGM CORNER DETAILS SEE THE "SUPERSTRUCTURE DETAILS" SHEET.

◐HORIZ. CONST. JOINT: STRIKE OFF AND LEAVE ROUGH AS SHOWN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-17-215

DRAWN BY JPH | PLANS CK'D. SEW

SUPERSTRUCTURE CROSS SECTIONS 1

SHEET 12

746

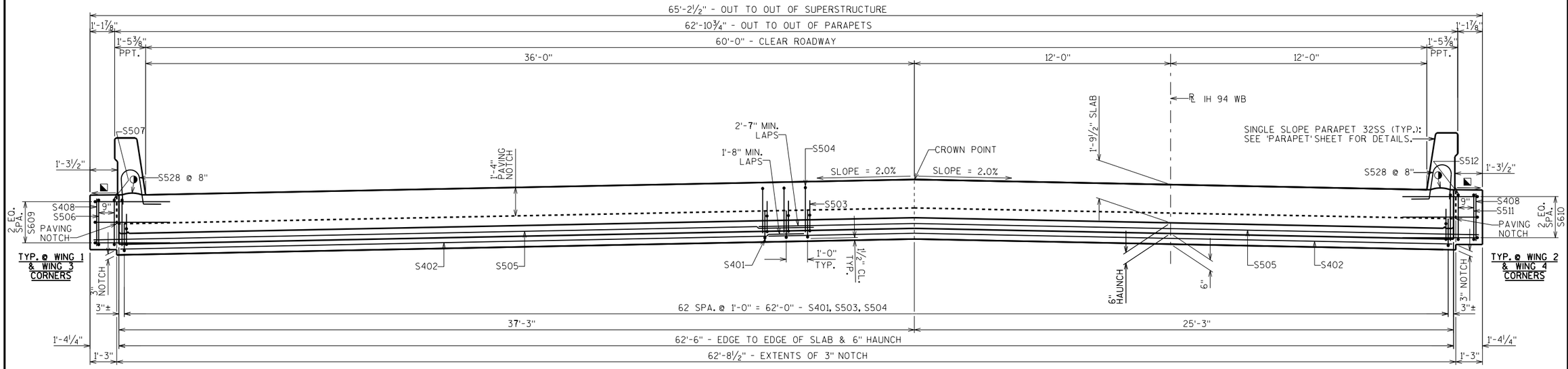
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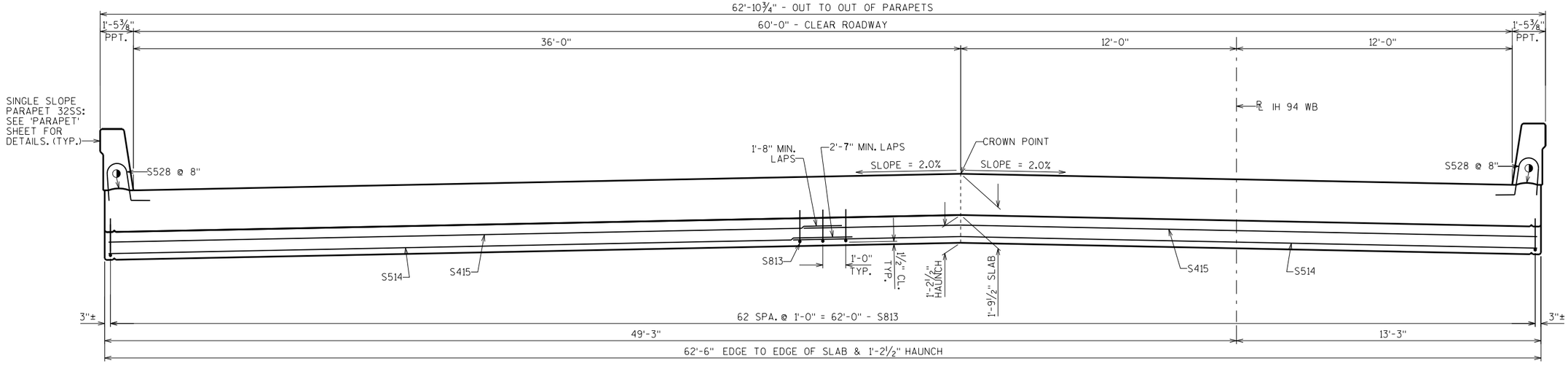
STATE PROJECT NUMBER

1022-07-76



CROSS SECTION THRU BRIDGE AT ABUTMENTS LOOKING EAST

(EAST ABUTMENT SHOWN, WEST ABUTMENT SIMILAR - SLAB REINFORCEMENT NOT SHOWN)



CROSS SECTION THRU BRIDGE AT PIERS LOOKING EAST

(SLAB REINFORCEMENT NOT SHOWN)

NOTE:

FOR THE SECTIONS THRU THE ABUTMENT DIAPHRAGMS AND SECTION THRU THE PIER DIAPHRAGM SEE THE "SUPERSTRUCTURE LONGITUDINAL SECTIONS" SHEET.

FOR THE ABUTMENT DIAPHRAGM CORNER DETAILS SEE THE "SUPERSTRUCTURE DETAILS" SHEET.

◪ FINISH SMOOTH TOP OF CONCRETE DIAPHRAGM HORIZONTAL SURFACE. SLOPE DOWN 1% FOR DRAINAGE

◐ HORIZ. CONST. JOINT: STRIKE OFF AND LEAVE ROUGH AS SHOWN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-17-215

DRAWN BY JPH | PLANS CK'D. SEW

SUPERSTRUCTURE CROSS SECTIONS 2

SHEET 13

747

SCALE = 2.33

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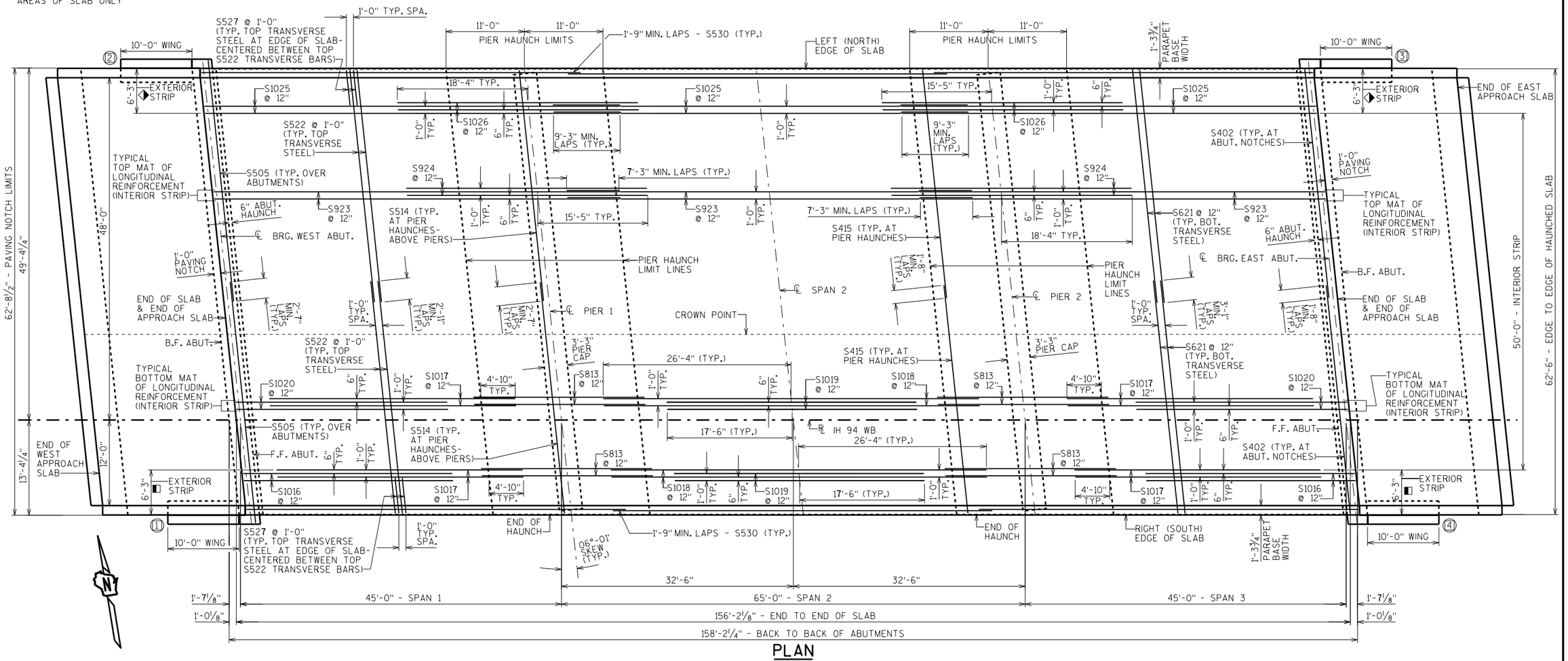
STATE PROJECT NUMBER

1022-07-76

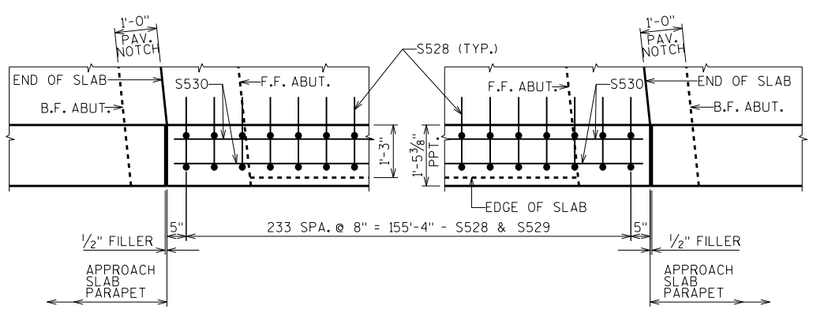
◆ TYPICAL TOP MAT OF LONGITUDINAL REINFORCEMENT AT BOTH (6'-3") EXTERIOR AREAS OF SLAB ONLY

◧ TYPICAL BOTTOM MAT OF LONGITUDINAL REINFORCEMENT AT BOTH (6'-3") EXTERIOR AREAS OF SLAB ONLY

(2) INDICATES WING NUMBER



PLAN



PARTIAL PLAN OF PARAPET REINFORCEMENT

(TYP. @ BOTH SIDES)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-17-215

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SUPERSTRUCTURE PLAN

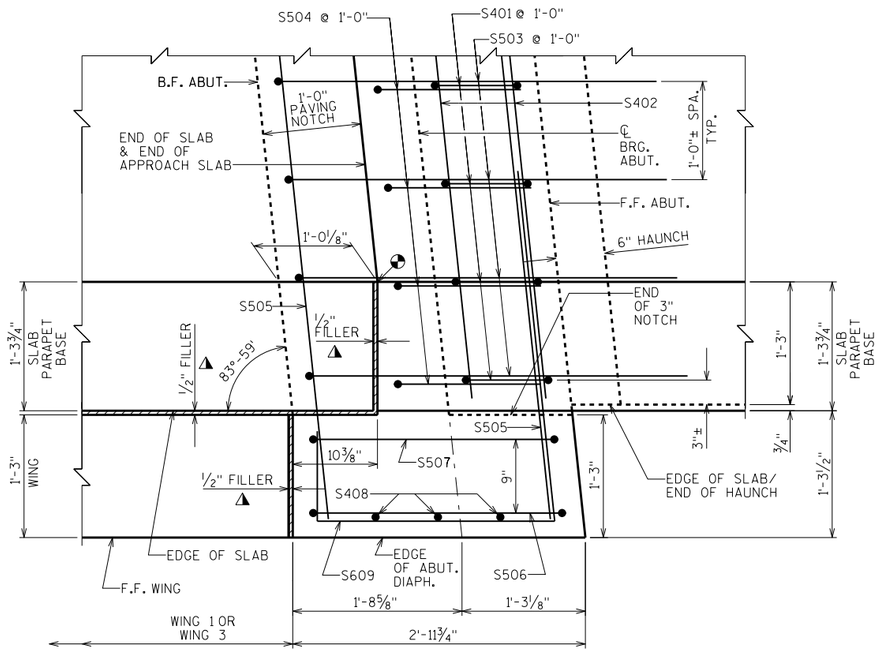
SHEET 14

748

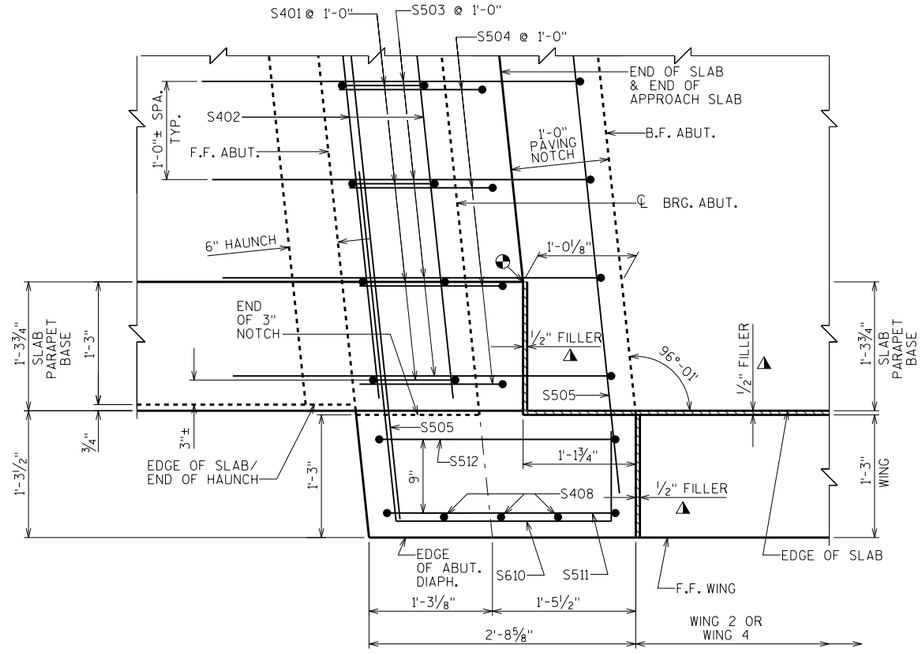
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STATE PROJECT NUMBER

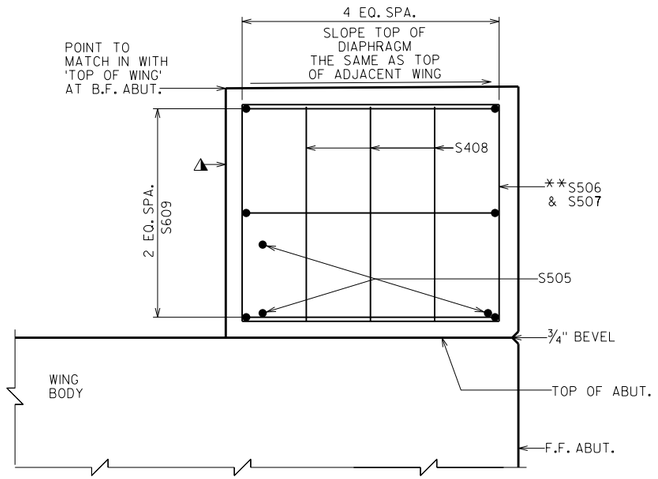
1022-07-76



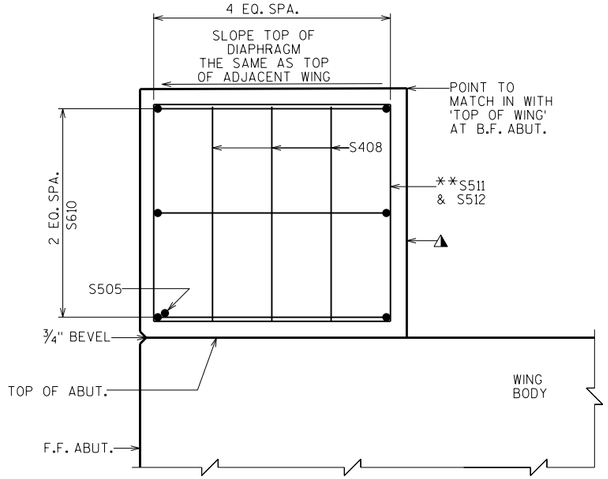
TYPICAL CORNER DETAIL
AT WINGS 1&3 (PLAN VIEW)



TYPICAL CORNER DETAIL
AT WINGS 2&4 (PLAN VIEW)



TYPICAL CORNER DETAIL AT WINGS 1&3
(ELEVATION VIEW LOOKING AT F.F. WING)



TYPICAL CORNER DETAIL AT WINGS 2&4
(ELEVATION VIEW LOOKING AT F.F. WING)

**DIMENSION IS TAKEN PARALLEL TO "R IH 94 WB". BARS PLACED PARALLEL TO "R IH 94 WB" AND SPACED PERPENDICULAR TO "R IH 94 WB".

SQUARE OFF ENDS OF PAVING NOTCH AT INSIDE FACE OF PARAPET

SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING, GRAY AND NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE).

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-17-215

DRAWN BY JPH | PLANS CK'D. SEW

SUPERSTRUCTURE DETAILS

SHEET 15

749

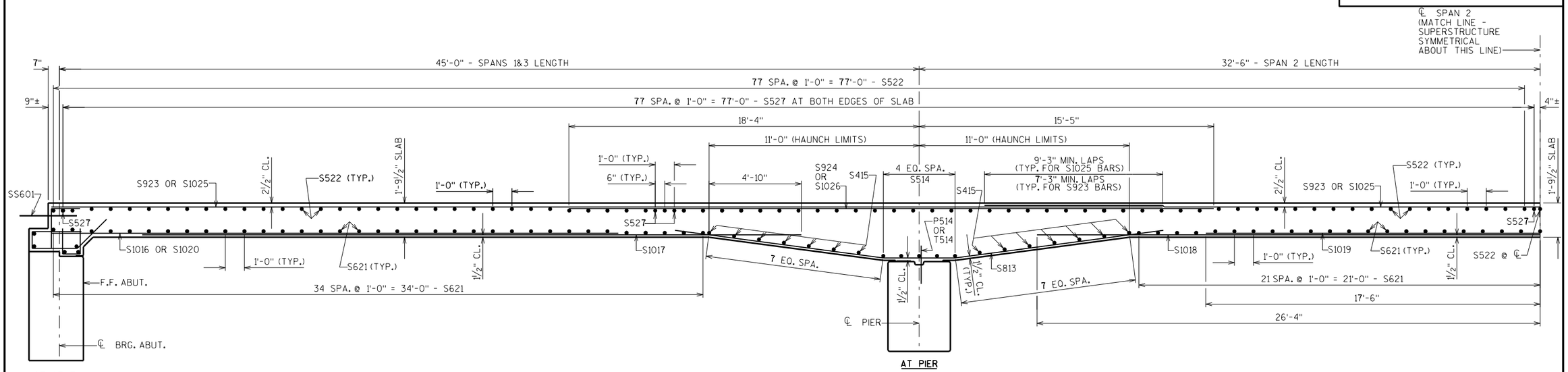
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STATE PROJECT NUMBER

1022-07-76

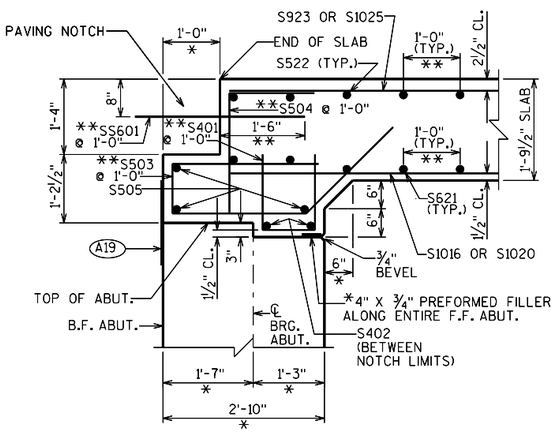


AT ABUT.
(SEE DETAILS BELOW)

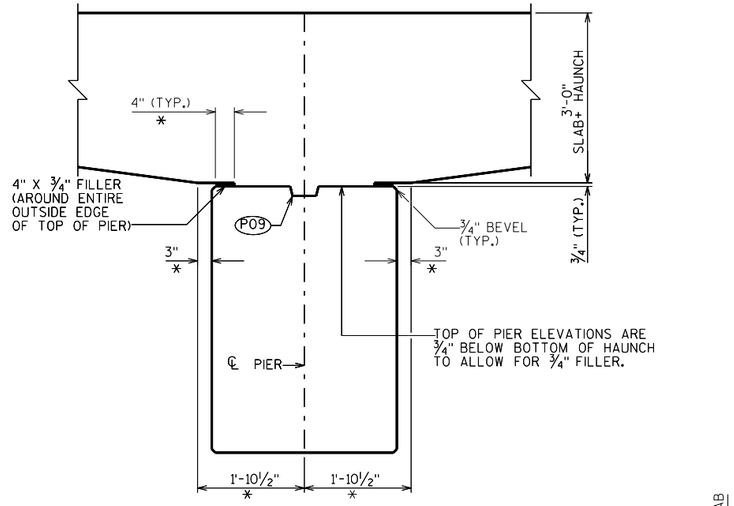
AT PIER

LONGITUDINAL SECTION THRU BRIDGE LOOKING NORTH

ALL HORIZONTAL DIMENSIONS ARE TAKEN PARALLEL TO "℟ IH 94 WB".
ALL LONGITUDINAL BARS ARE PLACED PARALLEL TO "℟ IH 94 WB"
ALL TRANSVERSE BARS ARE PLACED PARALLEL TO ℄ SUBSTRUCTURES.

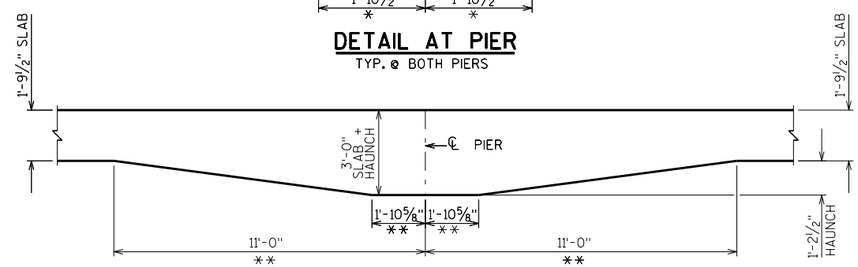


CROSS SECTION THRU ABUTMENT DIAPHRAGMS IN BETWEEN EDGES OF SLAB



DETAIL AT PIER

TYP. @ BOTH PIERS



PART LONGITUDINAL SLAB & HAUNCH SECTION AT PIERS LOOKING AT OUTSIDE FACE

(STEEL REINFORCEMENT NOT SHOWN)

NOTES

SEE "SUPERSTRUCTURE & APPROACH SLAB BAR DETAILS" SHEET FOR THE 'BILL OF BARS' AND BAR DETAILS.

TOP TRANSVERSE BARS IN SLAB SHALL BE SUPPORTED BY INDIVIDUAL BAR CHAIRS AT APPROXIMATELY 3'-0" CENTERS EACH WAY. BOTTOM LONGITUDINAL BARS SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS AT APPROXIMATELY 4'-0" CENTERS.

ALL SLAB THICKNESS DIMENSIONS ARE MINIMUM. ANY TOLERANCES NECESSARY TO CORRECT CONSTRUCTION DISCREPANCIES ARE TO BE PLUS (+).

PARAPETS PLACED ON TOP OF THE SLAB SHALL BE POURED AFTER FALSEWORK HAS BEEN RELEASED, EXCEPT FOR STAGED CONSTRUCTION.

PRIOR TO RELEASING SLAB FALSEWORK, TAKE TOP OF SLAB ELEVATIONS AT THE ℄ OF ABUTMENTS, THE ℄ OF PIERS AND AT 5/10 PTS. TO VERIFY CAMBER. TAKE ELEVATIONS ALONG GUTTER LINES, ℟ IH 94 WB AND CROWN POINT.

*DIMENSION IS TAKEN PERPENDICULAR TO ℄ SUBSTRUCTURES. BARS PLACED PARALLEL TO ℄ SUBSTRUCTURES AND SPACED ALONG "℟ IH 94 WB".

**DIMENSION IS TAKEN PARALLEL TO "℟ IH 94 WB". BARS PLACED PARALLEL TO "℟ IH 94 WB" AND SPACED PERPENDICULAR TO "℟ IH 94 WB".

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

(P09) KEYED CONSTRUCTION JOINT-FORMED BY BEVELED 2" x 6".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-17-215

DRAWN BY JPH | PLANS CK'D. SEW

SUPERSTRUCTURE LONGITUDINAL SECTIONS

SHEET 16

750

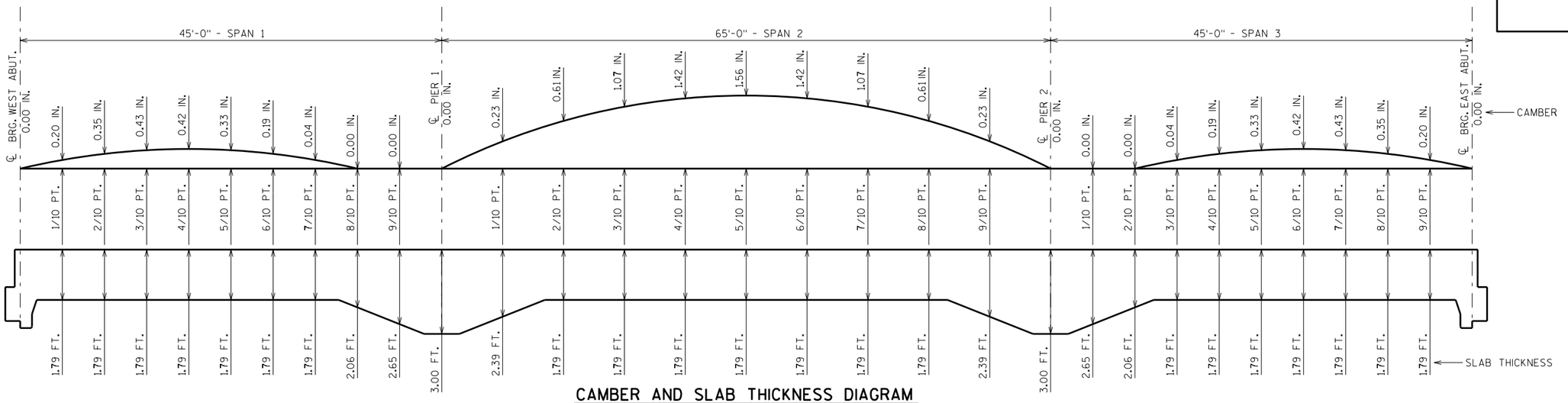
SCALE = 2.60

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8

STATE PROJECT NUMBER

1022-07-76



CAMBER AND SLAB THICKNESS DIAGRAM

CAMBER SHOWN IS BASED ON 3 TIMES DEAD LOAD DEFLECTIONS. CAMBER SPANS AS SHOWN TO PROVIDE FOR DEAD LOAD DEFLECTION AND FUTURE CREEP. CAMBER DOES NOT INCLUDE ALLOWANCE FOR FORM SETTLEMENT.
PARAPETS PLACED ON TOP OF THE SLAB SHALL BE POURED AFTER FALSEWORK HAS BEEN RELEASED.

TO DETERMINE FALSEWORK ELEVATION AT EDGE OF SLAB, CROWN OR REFERENCE LINE FOLLOW THIS PROCEDURE:

TOP OF SLAB ELEVATION AT FINAL GRADE
LESS (-) SLAB THICKNESS
PLUS (+) CAMBER
PLUS (+) FORM SETTLEMENT/DEFLECTION DUE TO PLACEMENT OF SLAB CONCRETE (TO BE COMPUTED BY THE CONTRACTOR)
EQUALS = TOP OF SLAB FALSEWORK ELEVATION.

TOP OF SLAB ELEVATIONS

	℄ BRG WEST ABUT.	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	℄ PIER 1	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	℄ PIER 2	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	℄ BRG EAST ABUT.
NORTH EDGE OF SLAB	1226.74	1226.76	1226.79	1226.81	1226.83	1226.85	1226.88	1226.90	1226.92	1226.94	1226.96	1226.99	1227.02	1227.05	1227.08	1227.10	1227.13	1227.16	1227.18	1227.21	1227.23	1227.25	1227.27	1227.28	1227.30	1227.31	1227.33	1227.34	1227.36	1227.37	1227.39
NORTH GUTTERLINE	1226.74	1226.76	1226.79	1226.81	1226.83	1226.85	1226.88	1226.90	1226.92	1226.94	1226.96	1226.99	1227.02	1227.05	1227.08	1227.10	1227.13	1227.16	1227.18	1227.21	1227.23	1227.25	1227.27	1227.28	1227.30	1227.31	1227.33	1227.34	1227.36	1227.37	1227.39
CROWN POINT	1227.48	1227.50	1227.53	1227.55	1227.57	1227.59	1227.61	1227.64	1227.66	1227.68	1227.70	1227.73	1227.76	1227.78	1227.81	1227.84	1227.87	1227.89	1227.92	1227.94	1227.97	1227.98	1228.00	1228.01	1228.03	1228.04	1228.06	1228.07	1228.09	1228.10	1228.12
℄ IH 94 WB	1227.25	1227.27	1227.29	1227.32	1227.34	1227.36	1227.38	1227.40	1227.42	1227.44	1227.47	1227.49	1227.52	1227.55	1227.58	1227.61	1227.63	1227.66	1227.68	1227.71	1227.73	1227.75	1227.76	1227.78	1227.79	1227.81	1227.82	1227.84	1227.85	1227.87	1227.88
SOUTH GUTTERLINE	1227.01	1227.04	1227.06	1227.08	1227.10	1227.13	1227.15	1227.17	1227.19	1227.21	1227.23	1227.26	1227.29	1227.32	1227.34	1227.37	1227.40	1227.42	1227.45	1227.47	1227.50	1227.51	1227.53	1227.54	1227.56	1227.57	1227.59	1227.60	1227.62	1227.63	1227.65
SOUTH EDGE OF SLAB	1227.01	1227.04	1227.06	1227.08	1227.10	1227.13	1227.15	1227.17	1227.19	1227.21	1227.23	1227.26	1227.29	1227.32	1227.34	1227.37	1227.40	1227.42	1227.45	1227.47	1227.50	1227.51	1227.53	1227.54	1227.56	1227.57	1227.59	1227.60	1227.62	1227.63	1227.65

SURVEY TOP OF SLAB ELEVATIONS

	℄ BRG. WEST ABUTMENT	5/10 PT.	℄ PIER 1	5/10 PT.	℄ PIER 2	5/10 PT.	℄ BRG. EAST ABUTMENT
NORTH GUTTERLINE & EDGE OF SLAB							
CROWN POINT							
℄ IH 94 WB							
SOUTH GUTTERLINE & EDGE OF SLAB							

PRIOR TO RELEASING SLAB FALSEWORK, TAKE TOP OF SLAB ELEVATIONS AT THE ℄ OF ABUTMENTS, THE ℄ OF PIERS AND AT 5/10 PTS. TO VERIFY CAMBER. TAKE ELEVATIONS ALONG GUTTERLINES AND CROWN POINT. RECORD THE ELEVATIONS IN THE ABOVE TABLE FOR THE "AS BUILT" PLANS.

NOTES

TOP TRANSVERSE BARS IN SLAB SHALL BE SUPPORTED BY INDIVIDUAL BAR CHAIRS AT APPROXIMATELY 3'-0" CENTERS EACH WAY. BOTTOM LONGITUDINAL BARS SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS AT APPROXIMATELY 4'-0" CENTERS.

ALL SLAB THICKNESS DIMENSIONS ARE MINIMUM. ANY TOLERANCES NECESSARY TO CORRECT CONSTRUCTION DISCREPANCIES ARE TO BE PLUS (+).

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-17-215

DRAWN BY JPH | PLANS CK'D. SEW

SUPERSTRUCTURE DATA

SHEET 17

751

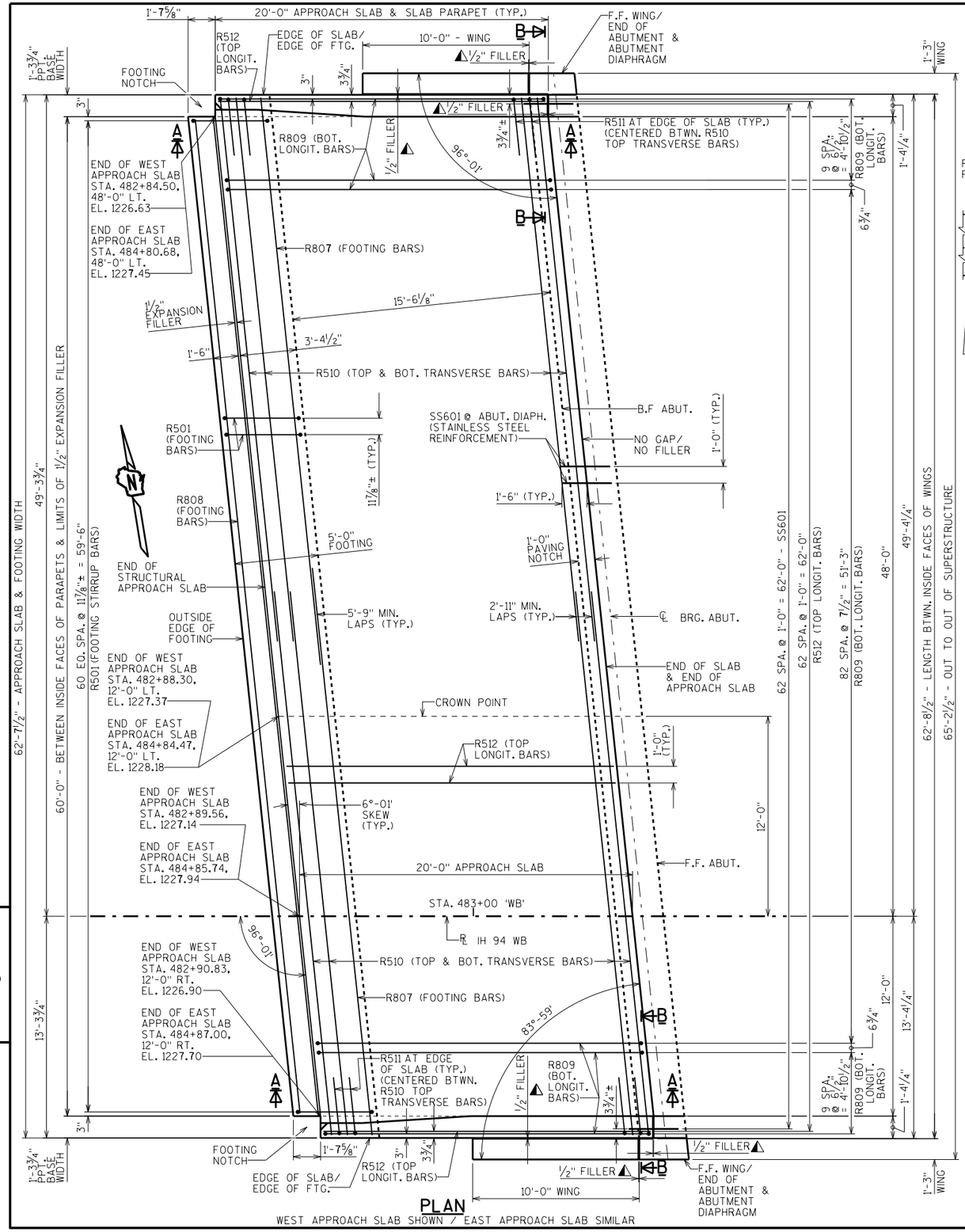
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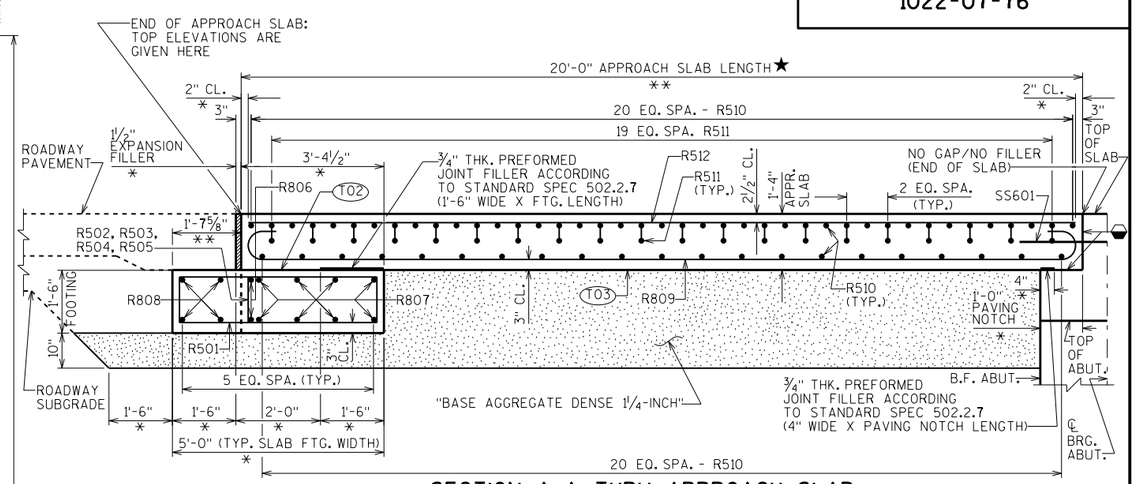
STATE PROJECT NUMBER

1022-07-76



PLAN

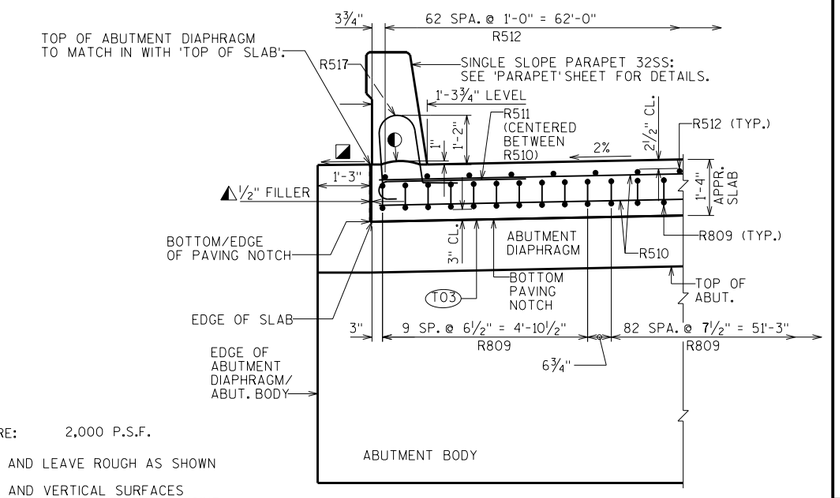
WEST APPROACH SLAB SHOWN / EAST APPROACH SLAB SIMILAR



SECTION A-A THRU APPROACH SLAB

WEST APPROACH SLAB SHOWN / EAST APPROACH SLAB SIMILAR

◒ APPLY 'PROTECTIVE SURFACE TREATMENT' TO VERTICAL AND HORIZONTAL PAVING NOTCH SURFACES PRIOR TO POURING STRUCTURAL APPROACH SLAB.



SECTION B-B (EDGE OF SLAB DETAIL)

NOTES:

ALLOWABLE SOIL BEARING PRESSURE: 2,000 P.S.F.

◐ 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.

◪ FINISH SMOOTH TOP OF CONCRETE DIAPHRAGM HORIZONTAL SURFACE. SLOPE DOWN 1% FOR DRAINAGE

★ TRANSVERSE BARS SHALL BE PLACED PARALLEL TO ℄ SUBSTRUCTURES AND SPACED ALONG "℞ IH 94 WB".

LONGITUDINAL BARS SHALL BE PLACED PARALLEL TO "℞ IH 94 WB".

* DIMENSION IS TAKEN NORMAL TO ℄ BRG. ABUTS.

** DIMENSION IS TAKEN PARALLEL TO ℞ IH 94 WB.

T02 STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF 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-17-215

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STRUCTURAL APPROACH SLABS

SHEET 18

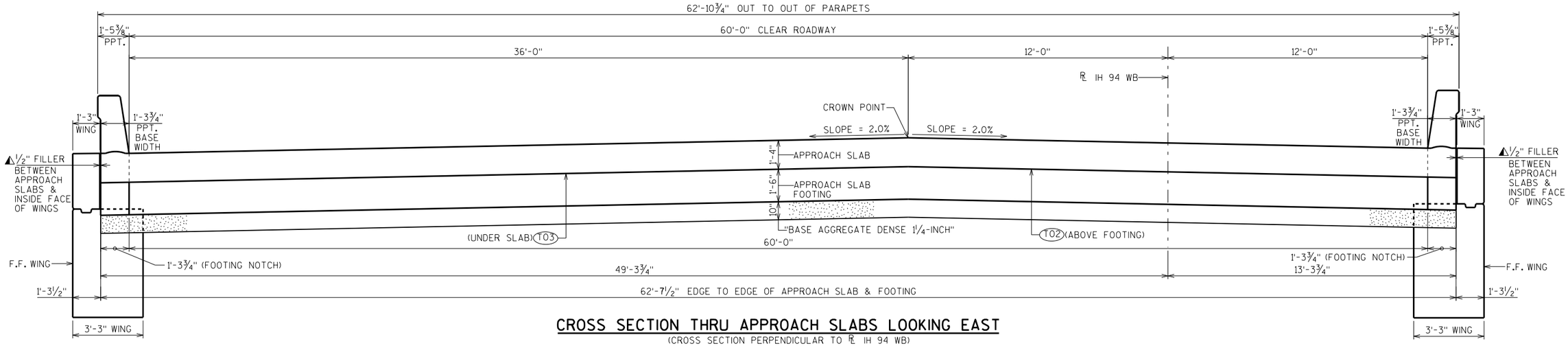
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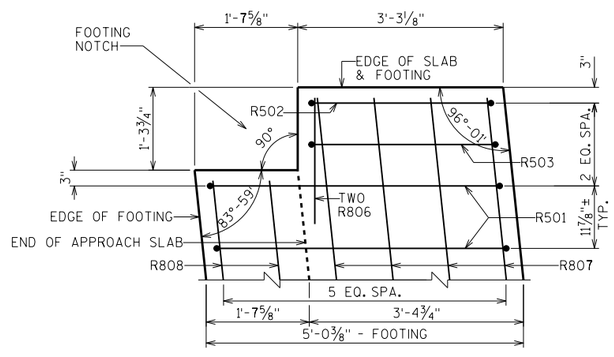
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STATE PROJECT NUMBER
1022-07-76

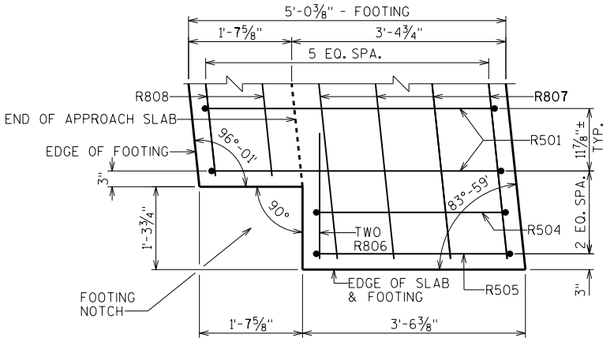


CROSS SECTION THRU APPROACH SLABS LOOKING EAST

(CROSS SECTION PERPENDICULAR TO ℄ IH 94 WB)



SLAB FOOTING PLAN DETAIL @ NW & SE CORNERS



SLAB FOOTING PLAN DETAIL @ SW & NE CORNERS

T02 STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF 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.

NOTE:
SEE THE 'BAR DETAILS' SHEET FOR THE BILL OF BARS AND BAR DETAILS FOR THE STRUCTURAL APPROACH SLAB R-BARS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-17-215

DRAWN BY JPH | PLANS CK'D. SEW

STRUCTURAL APPROACH SLAB DETAILS

SHEET 19

753

SCALE = 2.33

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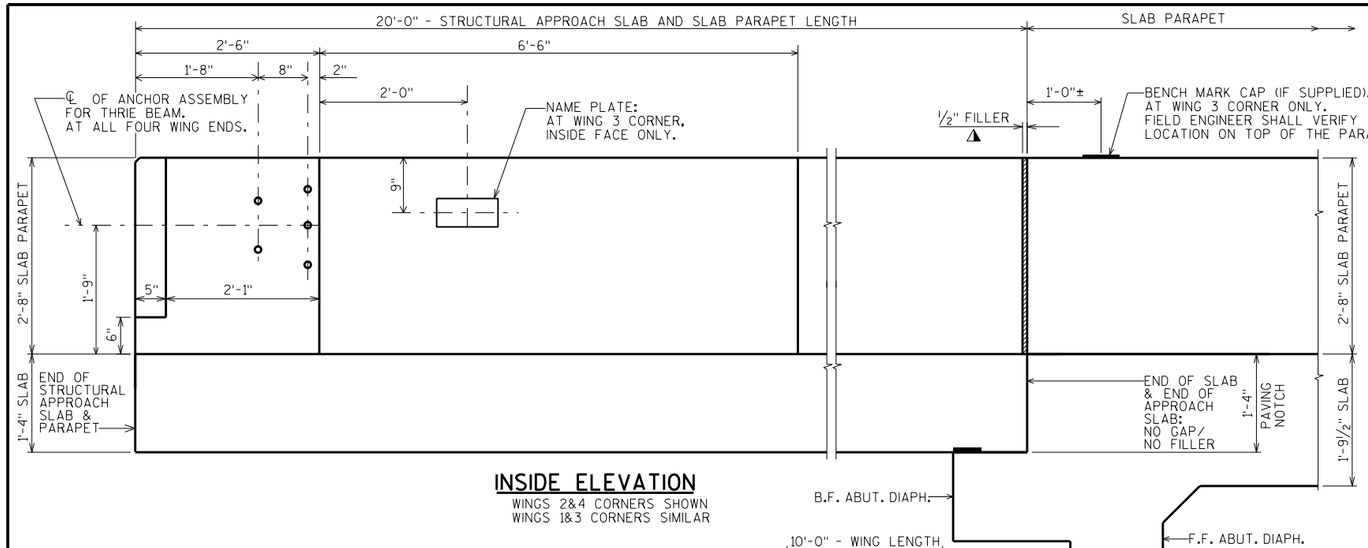
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STATE PROJECT NUMBER

1022-07-76

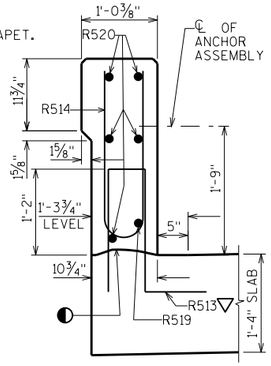
NOTES:
SEE THE 'BAR DETAILS' SHEET FOR THE BILL OF BARS AND BAR DETAILS FOR THE APPROACH SLAB PARAPET R-BARS.

SEE THE 'BAR DETAILS' SHEET FOR THE BILL OF BARS AND BAR DETAILS FOR THE SUPERSTRUCTURE PARAPET S-BARS.

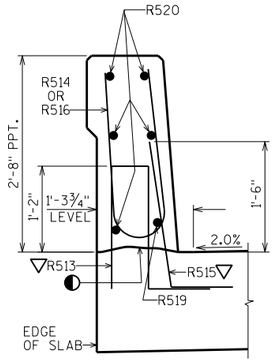


INSIDE ELEVATION

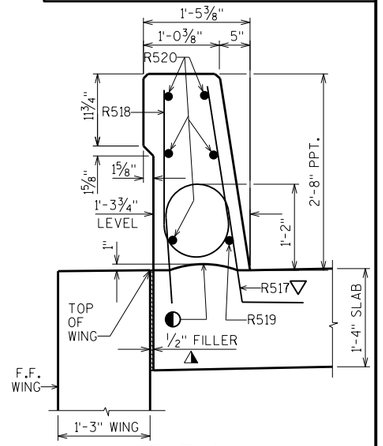
WINGS 2&4 CORNERS SHOWN
WINGS 1&3 CORNERS SIMILAR



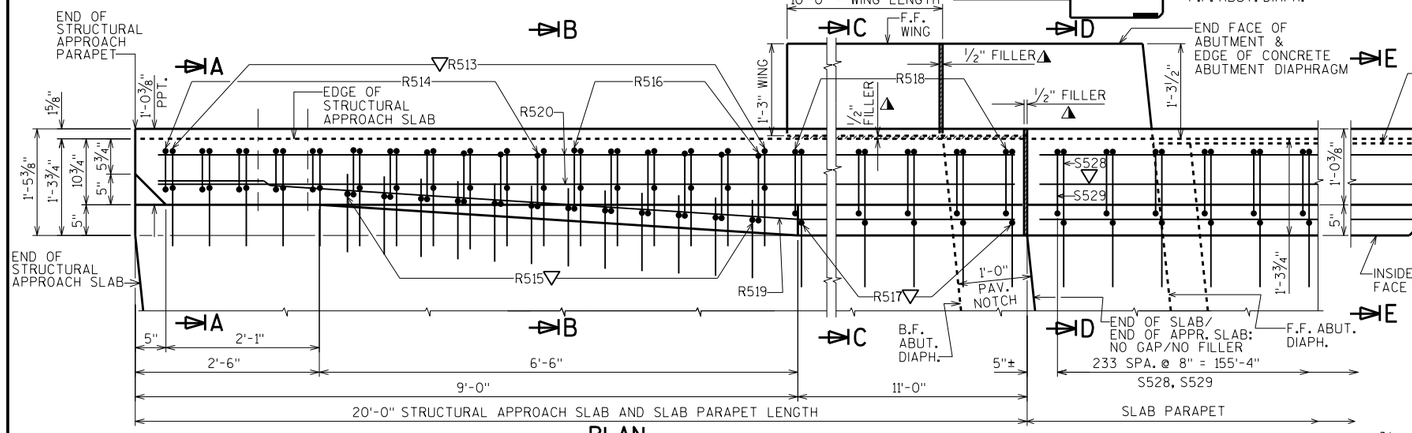
SECTION A-A



SECTION B-B



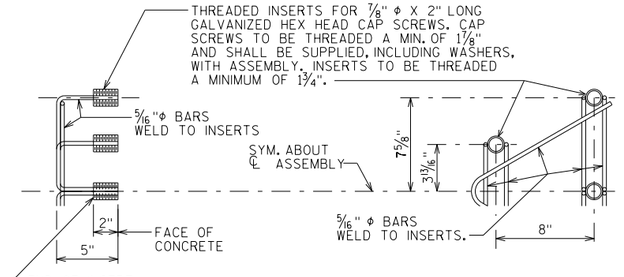
SECTION C-C



PLAN

WINGS 2&4 CORNERS SHOWN
WINGS 1&3 CORNERS SIMILAR

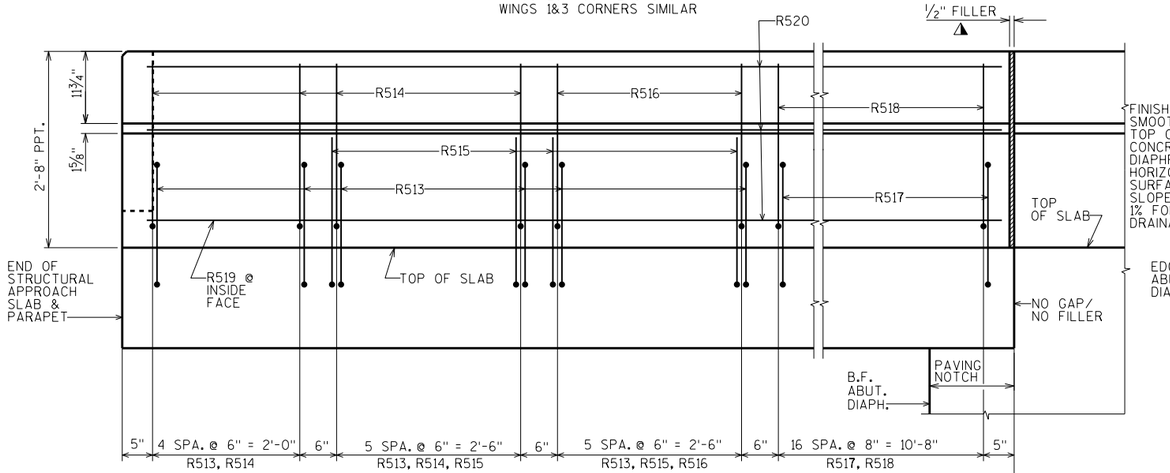
OPTIONAL CONSTRUCTION JOINTS IN THE PARAPETS MAY BE USED. RUN BAR REINF. THRU THE JOINT. LAP LONGIT. BARS A MIN. OF 1'-9". MIN. JOINT SPACING OF 80'-0". DEFINE CONST. JOINT WITH A ¾" - 'V' GROOVE.



DETAIL OF ANCHOR ASSEMBLY

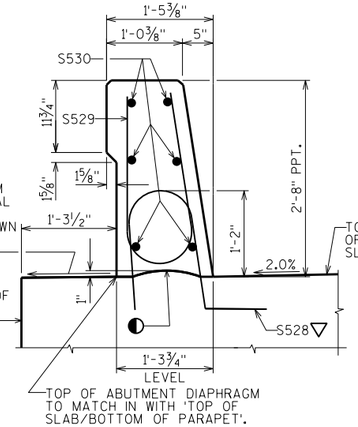
NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.

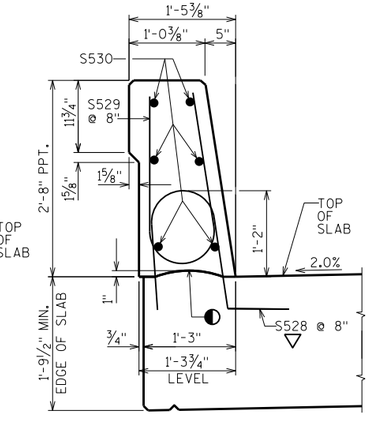


OUTSIDE ELEVATION

(WING NOT SHOWN FOR CLARITY)
WINGS 1&3 CORNERS SHOWN
WINGS 2&4 CORNERS SIMILAR



SECTION D-D (OVER ABUT. DIAPHRAGM)



SECTION E-E (AT 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.

◐ HORIZ. CONST. JOINT - STRIKE OFF AS SHOWN AND LEAVE ROUGH.

▽ R513, R515, R517 & S528 PARAPET BARS TO BE TIED TO SLAB OR SLAB STEEL BEFORE SLAB OR SLAB IS POURED. USE CARE TO PLACE R515 BARS CORRECTLY ALONG TRANSITION OF PARAPET.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-17-215

DRAWN BY	PLANS CK'D.
JPH	SEW

SINGLE SLOPE PARAPET 32SS

SHEET 20

754

8

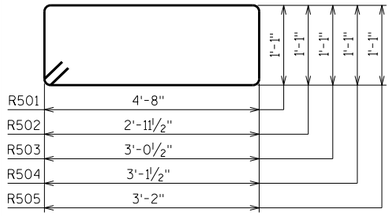
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SCALE = 1.00

BILL OF BARS FOR STRUCTURAL APPROACH SLABS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

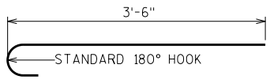
BAR MARK	COAT	NO. REQUIRED. WEST SLAB	NO. REQUIRED. EAST SLAB	LENGTH	BENT	LOCATION
R501	X	61	61	12'-2"	X	FOOTING-VERTICAL-LONGITUDINAL-STIRRUP BAR-AT CENTER
R502	X	1	1	8'-9"	X	FOOTING-VERTICAL-LONGITUDINAL-STIRRUP BAR-AT WING 2&4 ENDS ONLY
R503	X	1	1	8'-11"	X	FOOTING-VERTICAL-LONGITUDINAL-STIRRUP BAR-AT WING 2&4 ENDS ONLY
R504	X	1	1	9'-1"	X	FOOTING-VERTICAL-LONGITUDINAL-STIRRUP BAR-AT WING 1&3 ENDS ONLY
R505	X	1	1	9'-2"	X	FOOTING-VERTICAL-LONGITUDINAL-STIRRUP BAR-AT WING 1&3 ENDS ONLY
R806	X	4	4	2'-0"		FOOTING-TOP & BOTTOM-HORIZONTAL-TRANSVERSE-AT ENDS ONLY
R807	X	16	16	34'-3"		FOOTING-TOP & BOTTOM-HORIZONTAL-TRANSVERSE-AT INSIDE FACE
R808	X	4	4	60'-0"		FOOTING-TOP & BOTTOM-HORIZONTAL-TRANSVERSE-AT OUTSIDE FACE
R809	X	103	103	21'-6"	X	SLAB-BOTTOM-VERTICAL-LONGITUDINAL
R510	X	84	84	32'-10"		SLAB-TOP & BOTTOM-HORIZONTAL-TRANSVERSE
R511	X	40	40	4'-1"	X	SLAB-TOP-VERTICAL-TRANSVERSE-AT BOTH EDGES
R512	X	63	63	19'-8"		SLAB-TOP-HORIZONTAL-LONGITUDINAL
R513	X	34	34	4'-4"	X	PARAPETS 32SS/SLAB-VERTICAL-TRANSVERSE-AT ALL FOUR PPT. ENDS
R514	X	22	22	4'-9"	X	PARAPET 32SS-END-VERTICAL-TRANSVERSE-AT ALL FOUR PPT. ENDS
R515	X	24	24	2'-9"	X	PARAPETS 32SS/SLAB-INSIDE FACE-VERTICAL-TRANSVERSE-AT ALL FOUR PPT. ENDS
R516	X	12	12	4'-10"	X	PARAPET 32SS-VERTICAL-TRANSVERSE-AT ALL FOUR PPT. ENDS
R517	X	34	34	4'-5"	X	PARAPETS/SLAB-VERTICAL-TRANSVERSE-AT ALL FOUR PPT. ENDS
R518	X	34	34	5'-0"	X	PARAPET 32SS-VERTICAL-TRANSVERSE-AT ALL FOUR PPT. ENDS
R519	X	2	2	19'-5"	X	PARAPET 32SS-BOT.-INSIDE FACE-HORIZONTAL-LONGITUDINAL-AT ALL FOUR PPT. ENDS
R520	X	10	10	19'-5"		PARAPET 32SS-BOTH FACES-HORIZONTAL-LONGITUDINAL-AT ALL FOUR PPT. ENDS



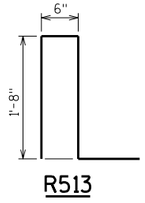
R501 R502 R503 R504 R505
(STIRRUP BARS)



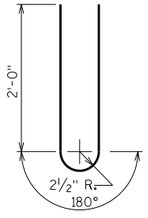
R809



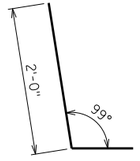
R511



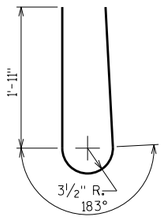
R513



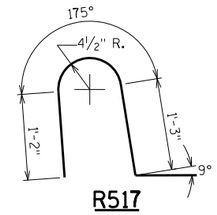
R514



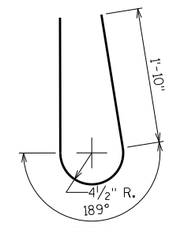
R515



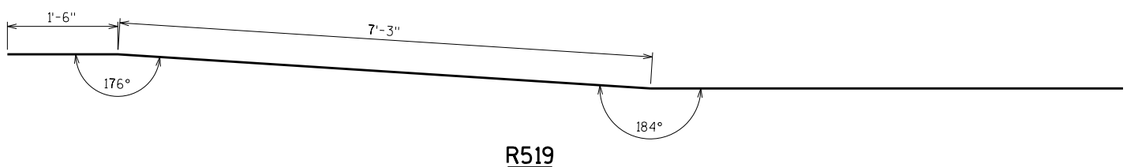
R516



R517



R518



R519

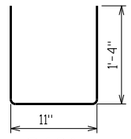
BILL OF BARS FOR SUPERSTRUCTURE

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

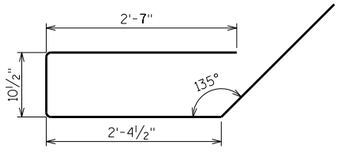
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
S401	X	126	3'-5"	X	ABUT. DIAPHS.-F.F.-BOT.-VERT.-LONGIT.-AT 3" NOTCHES
S402	X	8	32'-3"		ABUT. DIAPHS.-F.F.-BOT.-HORIZ.-TRANS.-AT 3" NOTCHES
S503	X	126	7'-8"	X	ABUT. DIAPHS./SLAB-BOT.-VERT.-LONGIT.-UNDER PAVING NOTCHES
S504	X	126	3'-7"	X	ABUT. DIAPHS./SLAB-VERT.-LONGIT.-ALONG PAVING NOTCHES
S505	X	12	34'-0"		ABUT. DIAPHS.-BOT.-HORIZ.-TRANSVERSE
S506	X	2	10'-4"	X	ABUT. DIAPHS.-VERTICAL-LONGIT.-AT WINGS 1&3 CORNERS ONLY
S507	X	2	10'-2"	X	ABUT. DIAPHS.-VERTICAL-LONGIT.-AT WINGS 1&3 CORNERS ONLY
S408	X	12	2-2"		ABUT. DIAPHS.-OUTSIDE FACES-VERT.-AT ALL FOUR WING CORNERS
S609	X	6	6'-8"	X	ABUT. DIAPHS.-HORIZ.-TRANS.-AT WINGS 1&3 CORNERS ONLY
S610	X	6	6'-5"	X	ABUT. DIAPHS.-HORIZ.-TRANS.-AT WINGS 2&4 CORNERS ONLY
S511	X	2	9'-11"	X	ABUT. DIAPHS.-VERTICAL-LONGIT.-AT WINGS 2&4 CORNERS ONLY
S512	X	2	10'-1"	X	ABUT. DIAPHS.-VERTICAL-LONGIT.-AT WINGS 2&4 CORNERS ONLY
S813	X	126	25'-9"	X	PIER HAUNCHES-BOT.-VERT.-LONGIT.
S514	X	20	32'-7"		PIER HAUNCHES-BOT.-HORIZ.-TRANSVERSE-ABOVE PIERS
S415	X	56	32'-2"		PIER HAUNCHES-BOT.-HORIZ.-TRANSVERSE-ON EACH SIDE OF PIERS
S1016	X	28	29'-4"		SLAB-BOTTOM-HORIZ.-LONGIT.-AT SPANS 1&3 EXTERIORS
S1017	X	126	34'-6"		SLAB-BOTTOM-HORIZ.-LONGIT.-AT SPANS 1&3
S1018	X	63	52'-8"		SLAB-BOTTOM-HORIZ.-LONGIT.-AT SPAN 2
S1019	X	62	35'-0"		SLAB-BOTTOM-HORIZ.-LONGIT.-AT SPAN 2
S1020	X	100	29'-8"		SLAB-BOTTOM-HORIZ.-LONGIT.-AT SPANS 1&3 INTERIOR
S621	X	226	32'-10"		SLAB-BOTTOM-HORIZ.-TRANSVERSE
S522	X	314	32'-9"		SLAB-TOP-HORIZ.-TRANSVERSE
S923	X	147	56'-10"		SLAB-TOP-HORIZ.-LONGIT.-END TO END-INTERIOR
S924	X	100	33'-9"		SLAB-TOP-HORIZ.-LONGIT.-OVER PIERS 1&2-INTERIOR
S1025	X	42	58'-2"		SLAB-TOP-HORIZ.-LONGIT.-END TO END-EXTERIORS
S1026	X	24	33'-9"		SLAB-TOP-HORIZ.-LONGIT.-OVER PIERS 1&2-EXTERIORS
S527	X	312	5'-0"		SLAB-TOP-HORIZ.-TRANSVERSE-AT BOTH EDGES
S528	X	468	4'-5"	X	PARAPETS/SLAB-VERTICAL-TRANSVERSE-AT BOTH SIDES
S529	X	468	5'-0"	X	PARAPETS-VERTICAL-TRANSVERSE-AT BOTH SIDES
S530	X	36	53'-2"		PARAPETS-BOTH FACES-HORIZ.-LONGIT.-AT BOTH SIDES

SS601		126	3'-0"		HAUNCHED SLAB/APPROACH SLAB-HORIZ.-LONGIT.-AT PAVING NOTCHES

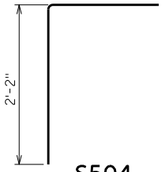
STAINLESS STEEL REINFORCEMENT



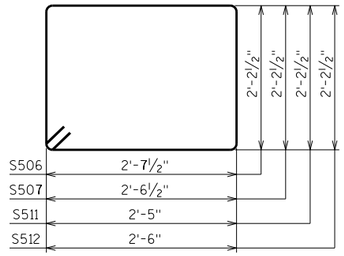
S401



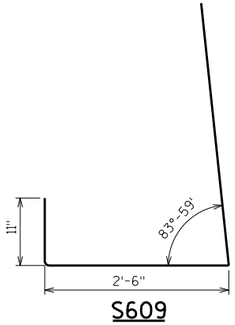
S503



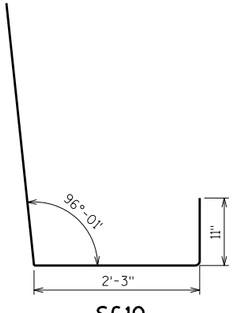
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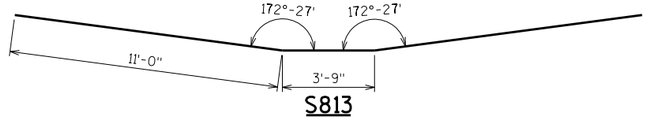
S506 S507 S511 S512
(STIRRUP BARS)



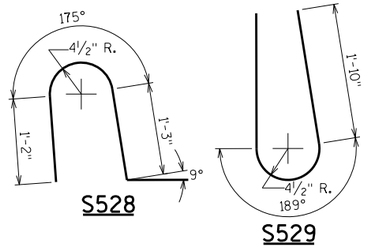
S609



S610



S813



S528 S529

STATE PROJECT NUMBER

1022-07-76

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-17-215

DRAWN BY JPH | PLANS CK'D. SEW

SUPERSTRUCTURE & APPROACH SLAB BAR DETAILS

SHEET 21

755

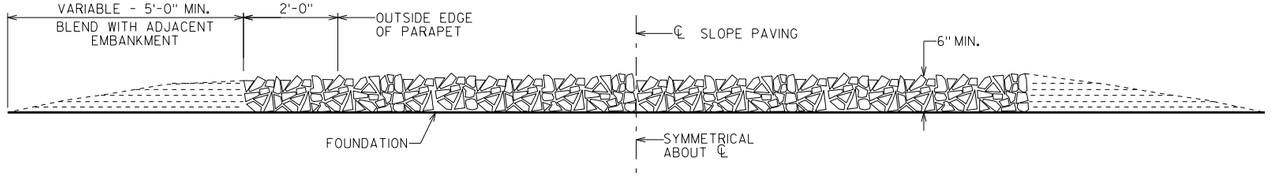
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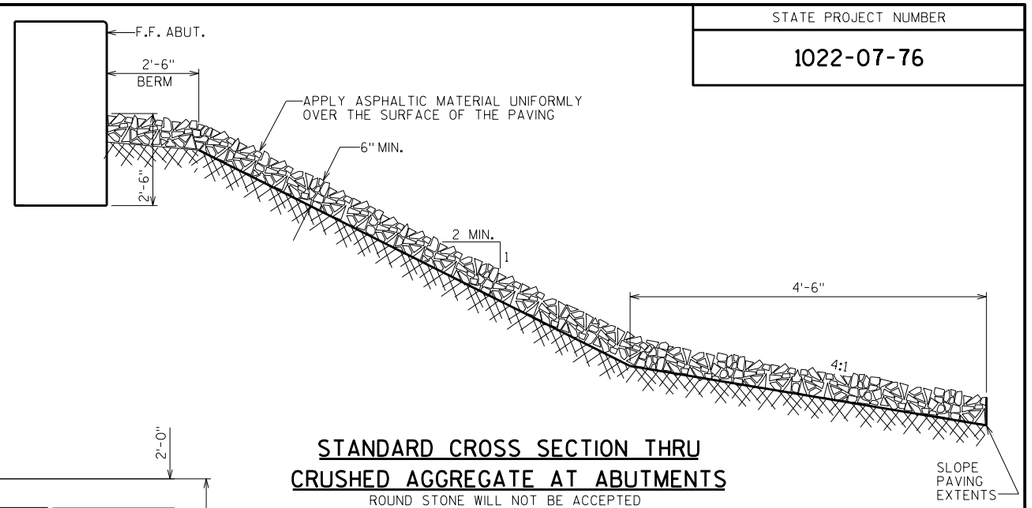
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STATE PROJECT NUMBER

1022-07-76

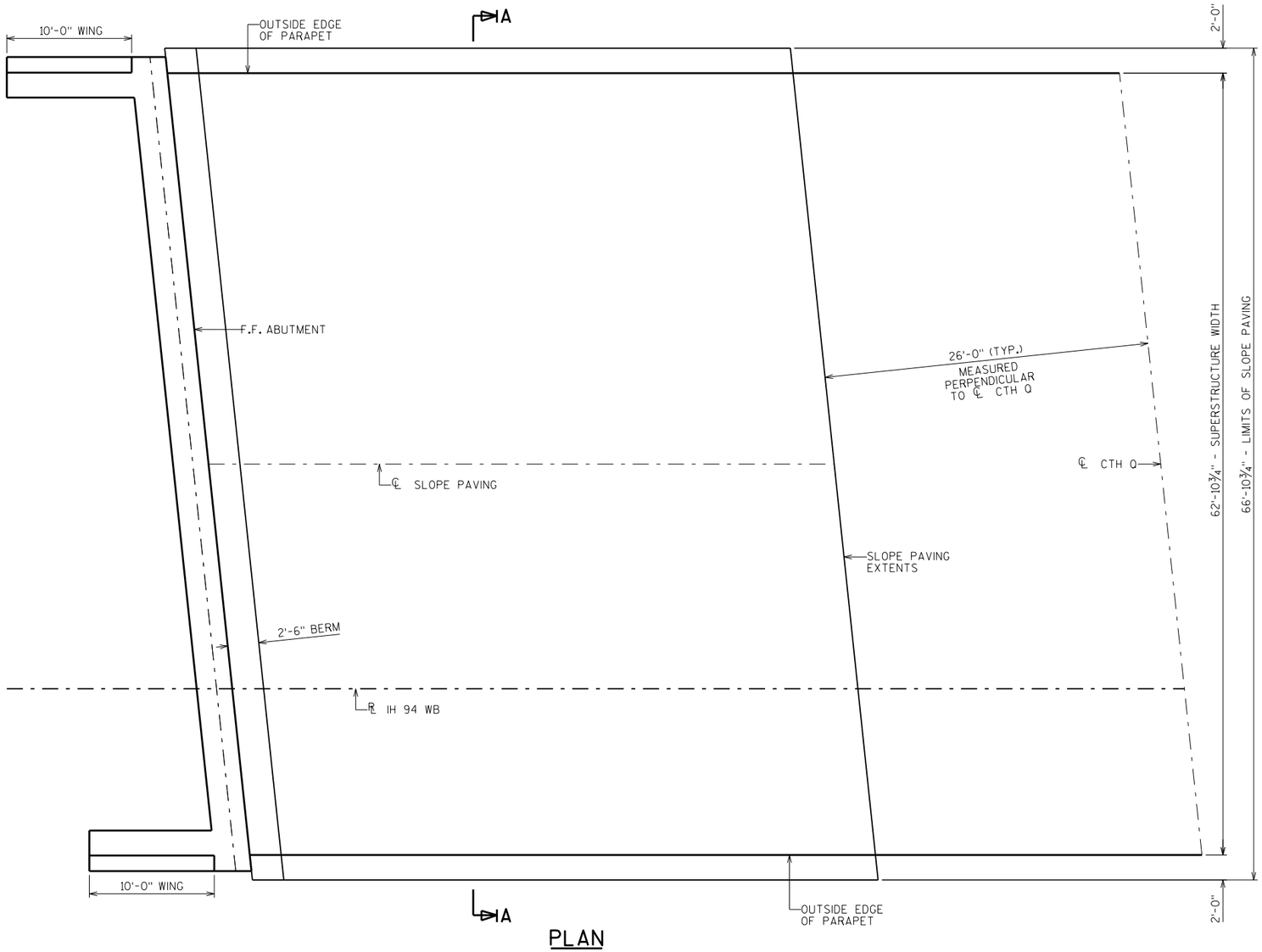


SECTION A-A



STANDARD CROSS SECTION THRU CRUSHED AGGREGATE AT ABUTMENTS

ROUND STONE WILL NOT BE ACCEPTED



PLAN

GENERAL NOTES

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

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-17-215

DRAWN BY JPH | PLANS CK'D. SEW

SLOPE PAVING CRUSHED AGGREGATE

SHEET 22

756

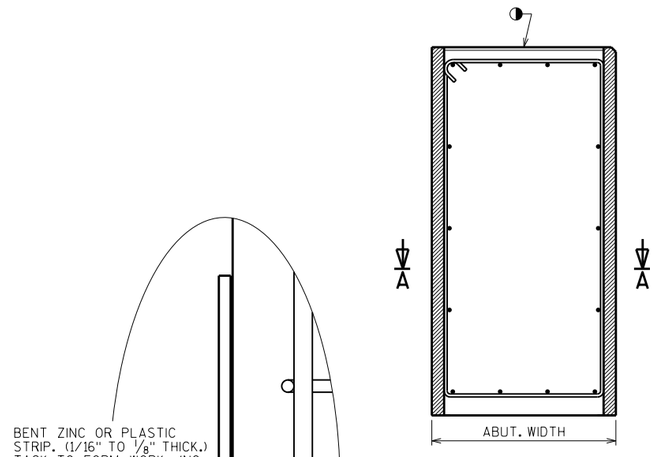
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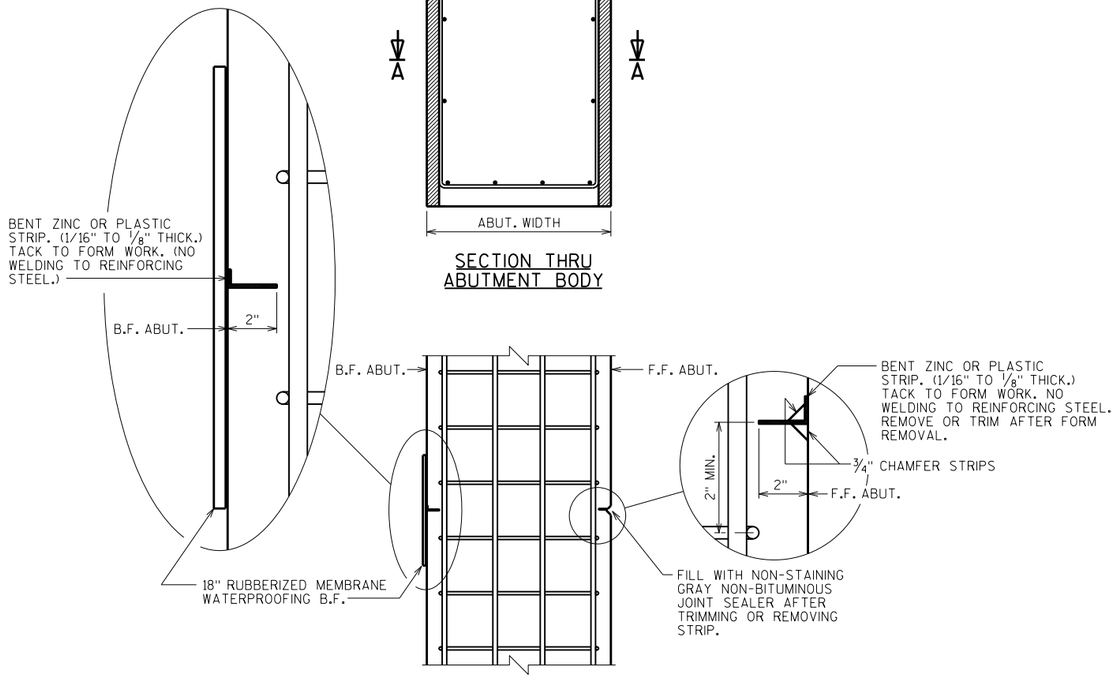
8

STATE PROJECT NUMBER

1022-07-76



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-17-215

DRAWN BY JPH | PLANS CK'D. SEW

ALTERNATE CONSTRUCTION JOINT

SHEET 23

757

SCALE = 1.00

8

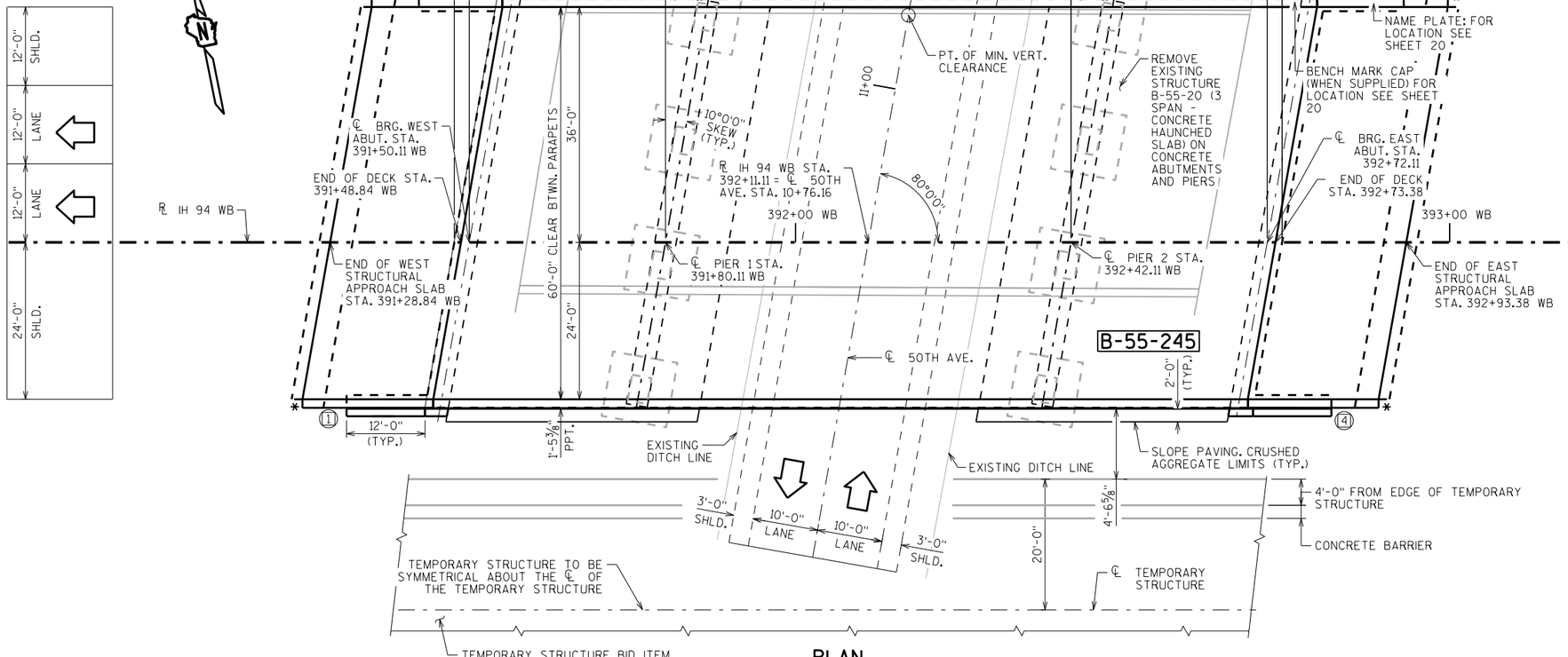
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STATE PROJECT NUMBER

1022-07-76

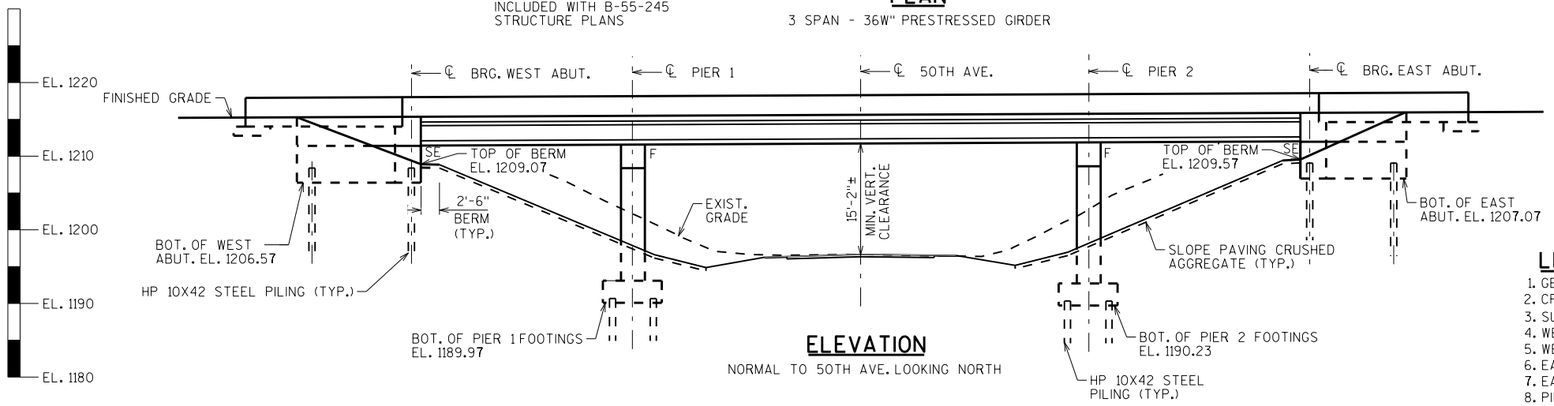
INDICATES WING NUMBER

* PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT. AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".



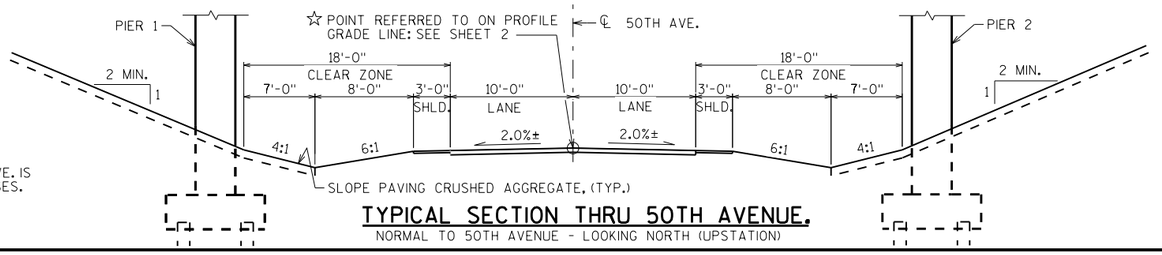
PLAN

3 SPAN - 36W" PRESTRESSED GIRDER



ELEVATION

NORMAL TO 50TH AVE. LOOKING NORTH



☆ PROFILE GRADE LINE FOR 50TH AVE. IS GIVEN FOR INFORMATIONAL PURPOSES. EXIST. 50TH AVENUE TO REMAIN.

TYPICAL SECTION THRU 50TH AVENUE.

NORMAL TO 50TH AVENUE - LOOKING NORTH (UPSTATION)

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.10
OPERATING RATING FACTOR: RF = 1.43
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 — f'c = 4,000 P.S.I.
APPROACH SLAB
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.

36W" 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 HP 10X42 PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 145 TONS** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.

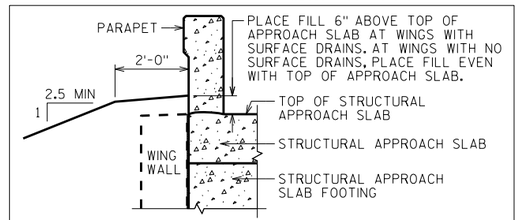
PIERS TO BE SUPPORTED ON HP 10X42 PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 180 TONS** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.

ESTIMATED 20'-0" LONG AT WEST ABUTMENT - WITH PILE POINTS
ESTIMATED 20'-0" LONG AT PIER 1 - WITH PILE POINTS
ESTIMATED 20'-0" LONG AT PIER 2 - WITH PILE POINTS
ESTIMATED 25'-0" 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 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

TRAFFIC VOLUME

IH 94 WB	50TH AVENUE
ADT = 45,000 (2039)	ADT = 135 (2039)
R.D.S. = 70 M.P.H.	R.D.S. = 60 M.P.H.



TYPICAL FILL SECTION AT END OF STRUCTURAL APPROACH SLABS

STRUCTURE DESIGN CONTACTS:

JOHN SENDOR (608) 266-5163
AARON BONK (608) 261-0261

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. PIER 1
9. PIER 1 DETAILS
10. PIER 2
11. PIER 2 DETAILS
12. 36W" PRESTRESSED GIRDER DETAILS 1
13. 36W" PRESTRESSED GIRDER DETAILS 2
14. STEEL DIAPHRAGM
15. SUPERSTRUCTURE CROSS SECTION
16. SUPERSTRUCTURE
17. SUPERSTRUCTURE DETAILS & BAR DETAILS
18. STRUCTURAL APPROACH SLABS
19. STRUCTURAL APPROACH SLAB & BAR DETAILS
20. SINGLE SLOPE PPT. 32SS WITH STRUCT. APPROACH SLAB
21. SLOPE PAVING, CRUSHED AGGREGATE
22. ALTERNATE CONSTRUCTION JOINT

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED William C. Dreher 8/1/18
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-55-245

IH 94 WB OVER 50TH AVENUE

COUNTY	TOWN
ST. CROIX	CADY

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
JJS	NAR	JJS	NAR

GENERAL PLAN

SHEET 1 OF 22

758

I.D. 1022-07-06G DATE: APR. 2017

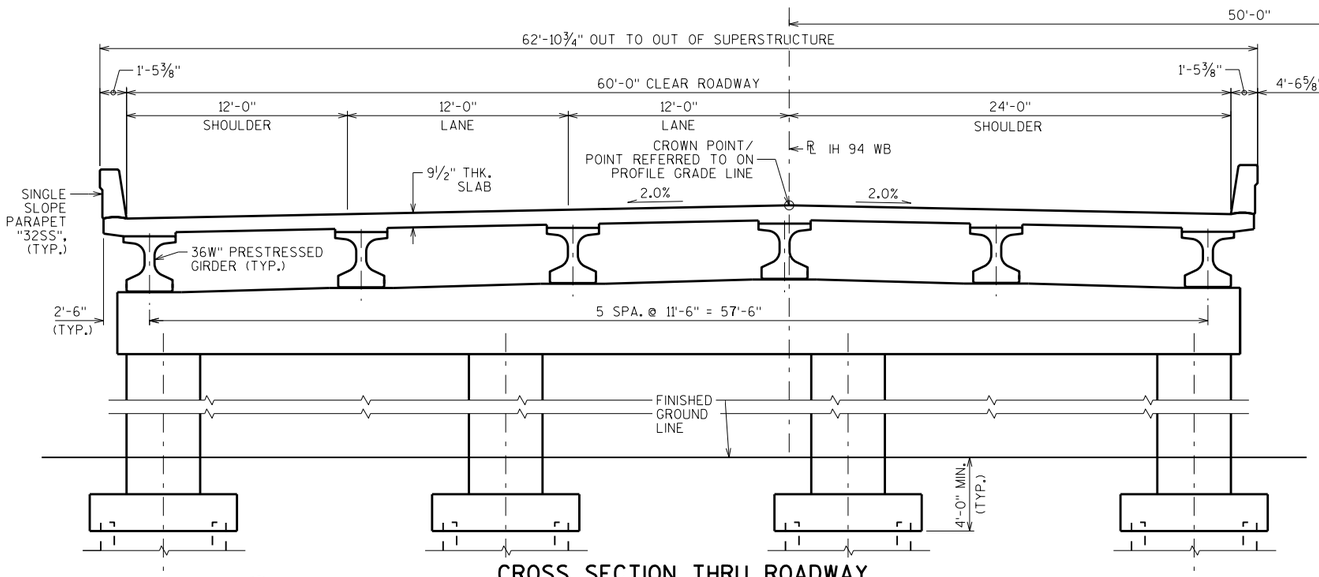
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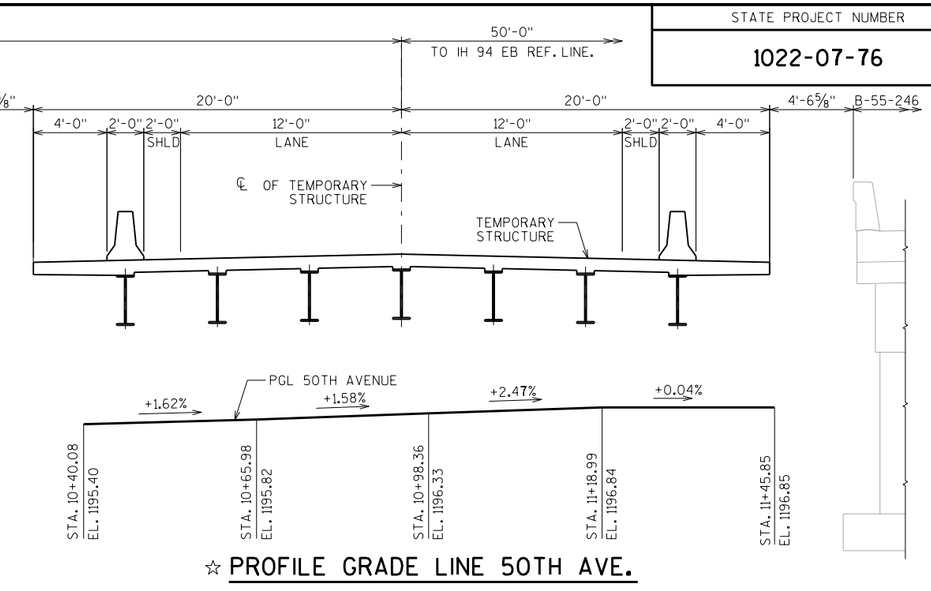
STATE PROJECT NUMBER

1022-07-76



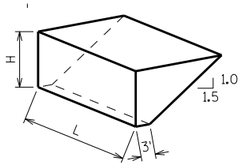
CROSS SECTION THRU ROADWAY

(LOOKING UPSTATION)



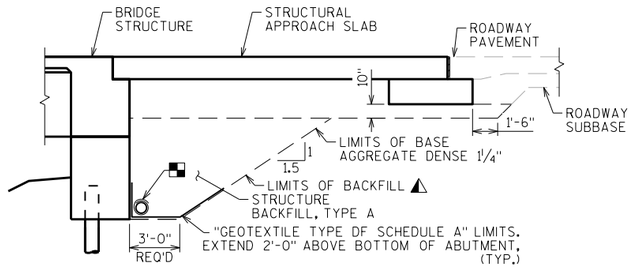
☆ PROFILE GRADE LINE 50TH AVE.

☆ PROFILE GRADE LINE FOR 50TH AVE. IS GIVEN FOR INFORMATIONAL PURPOSES. EXIST. 50TH AVE. TO REMAIN.



ABUTMENT BACKFILL DIAGRAM FOR WINGS PARALLEL TO ROADWAY

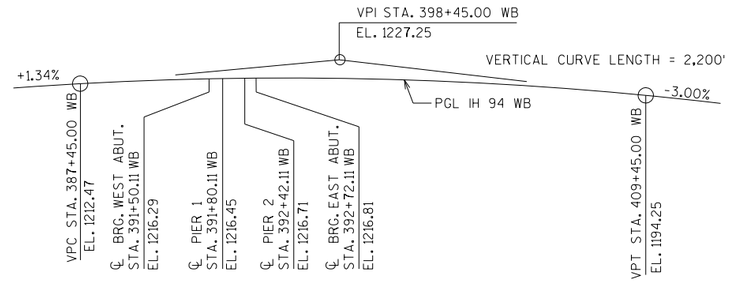
L = OUT TO OUT OF ABUTMENT, INCLUDING WINGS (FT)
H = AVERAGE ABUTMENT FILL HEIGHT (FT)
EF = EXPANSION FACTOR (1.20 FOR CY BID ITEMS AND 1.00 FOR TON BID ITEMS)
V_{CF} = (L)(3.0')(H) + (L)(0.5)(1.5H)(H)
V_{CY} = V_{CF} (EF)/27
V_{TON} = V_{CY} (2.0)



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. (SEE DETAIL ON "ABUTMENT DETAILS" SHEETS)



PROFILE GRADE LINE IH 94 WB

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	WEST APPROACH	WEST ABUT.	PIER 1	PIER 2	EAST ABUT.	EAST APPROACH	TOTALS
203.0200	REMOVING OLD STRUCTURE STA. 392+11.11 WB	LS	——	——	——	——	——	——	——	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-55-245	LS	——	——	——	——	——	——	——	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	——	——	205	——	——	205	——	410
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	——	205	——	——	——	——	205	410
502.0100	CONCRETE MASONRY BRIDGES	CY	353	83	64	100	100	64	83	847
502.3200	PROTECTIVE SURFACE TREATMENT	SY	865	135	——	——	——	——	135	1,135
502.3210	PIGMENTED SURFACE SEALER	SY	105	20	——	——	——	——	20	145
503.0137	PRESTRESSED GIRDER TYPE I 36W-INCH	LF	735	——	——	——	——	——	——	735
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	——	——	4,220	2,150	2,150	4,220	——	12,740
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	65,220	14,290	1,650	15,390	15,390	1,650	14,290	127,880
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	2,140	——	——	——	——	——	——	2,140
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	36	——	——	——	——	——	——	36
506.4000	STEEL DIAPHRAGMS B-55-245	EACH	15	——	——	——	——	——	——	15
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	——	——	18	——	——	18	——	36
526.0100	TEMPORARY STRUCTURE STA. 392+11.11	LS	——	——	——	——	——	——	——	1
550.0500	PILE POINTS	EACH	——	——	11	24	24	——	——	59
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF	——	——	220	480	480	275	——	1,455
604.0500	SLOPE PAVING CRUSHED AGGREGATE	SY	——	——	320	——	——	320	——	640
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	——	——	110	——	——	110	——	220
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	4	——	——	——	——	——	——	4
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	——	——	65	——	——	65	——	130
	NON-BID ITEMS		——	——	——	——	——	——	——	——
	FILLER	SIZE	——	——	——	——	——	——	——	½", ¾", 1½"

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.

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. ALSO EXCLUDED IS THE "BASE AGGREGATE DENSE 1 1/4-INCH" AS DETAILED ON THE STRUCTURAL APPROACH SLAB SHEETS.

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 PARAPET, INCLUDING PARAPETS ON STRUCTURAL 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 "36W PRESTRESSED GIRDER DETAILS 2" SHEET.

THE EXISTING GROUND LINE SHALL BE USED AS THE UPPER LIMITS OF EXCAVATION AT THE PIERS.

TEMPORARY SHORING IS INCLUDED IN BID ITEM "TEMPORARY STRUCTURE STA. 392+11.11".

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.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-245

DRAWN BY JJS | PLANS CK'D. NAR

CROSS SECTION & QUANTITIES

SHEET 2

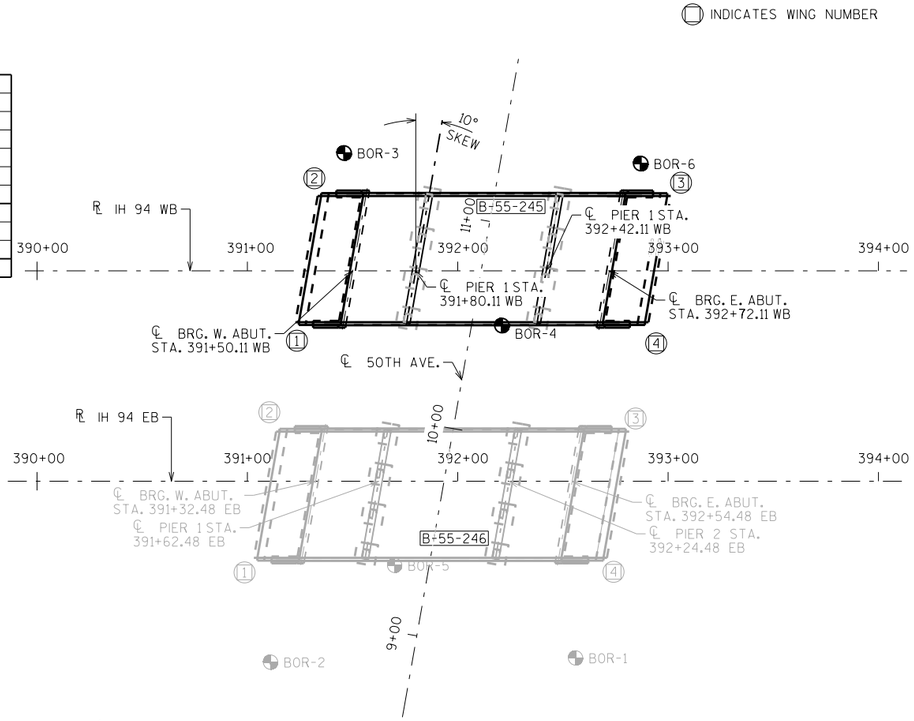
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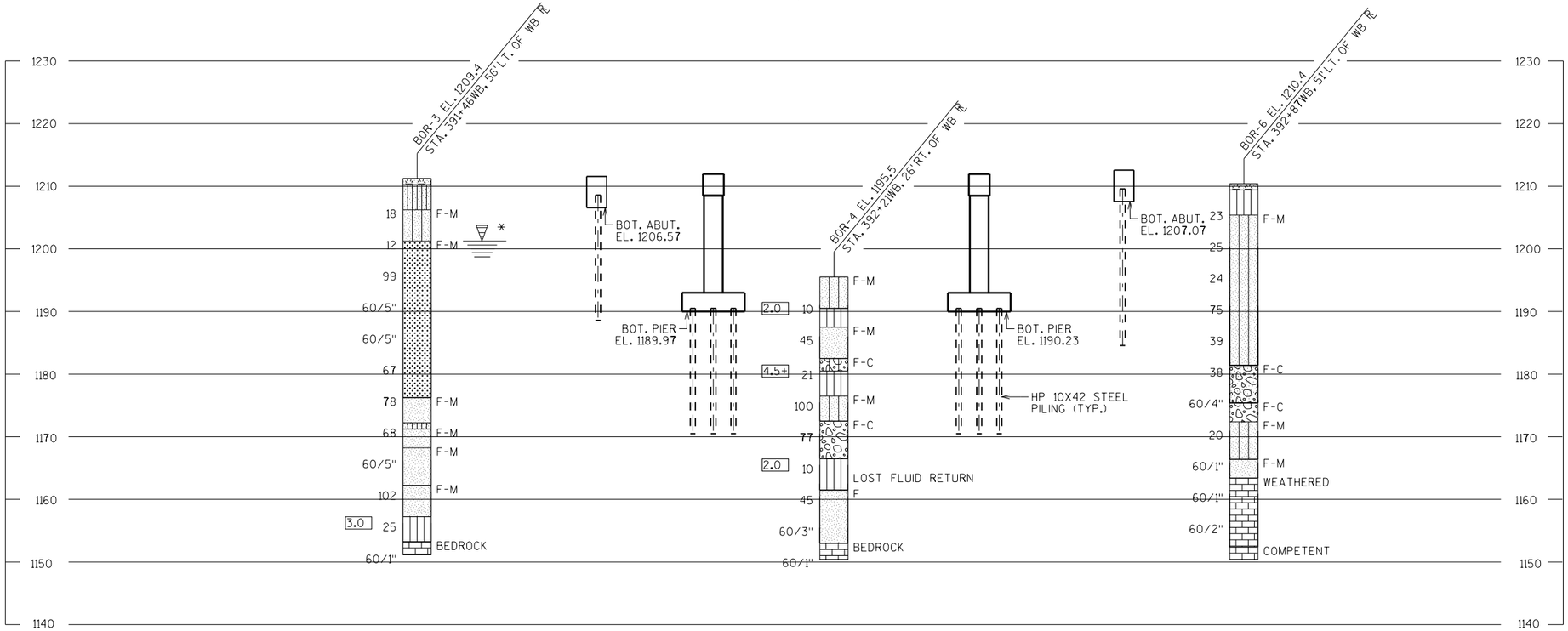
SCALE = 4.00

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8

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	10/25/2017	190633	104462
2	10/26/2017	190659	104319
3	10/31/2017	190890	104401
4	10/31/2017	190794	104459
5	10/31/2017	190693	104386
6	11/01/2017	190857	104538
BORINGS COMPLETED BY: WISDOT			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) DUNN COUNTY			
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT			





* THE GROUND WATER ELEVATION WAS DETERMINED FROM WHERE THE SOIL SAMPLE WAS DESCRIBED AS WET.

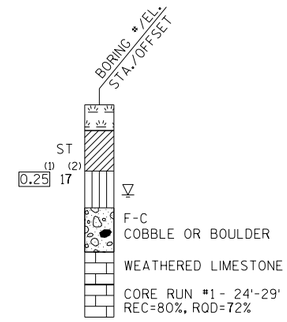
STATE PROJECT NUMBER

1022-07-76

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-55-245

DRAWN BY TLP/JJS | PLANS CK'D. NAR

SUBSURFACE EXPLORATION

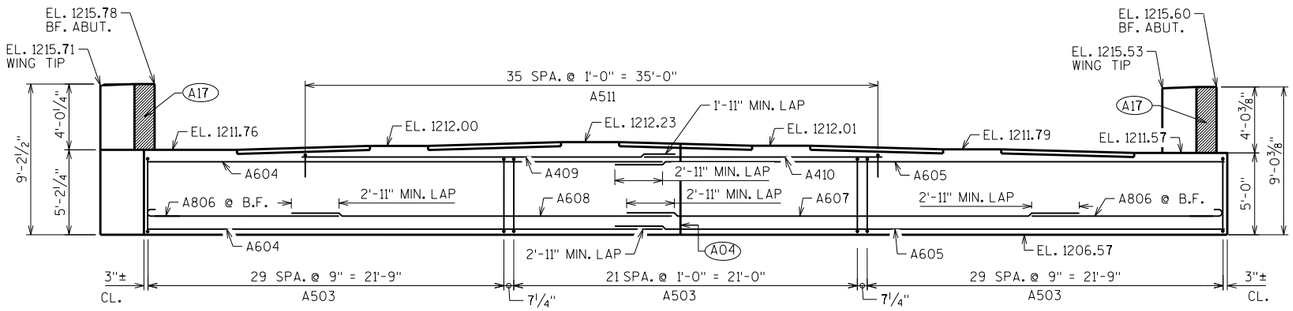
SHEET 3

760

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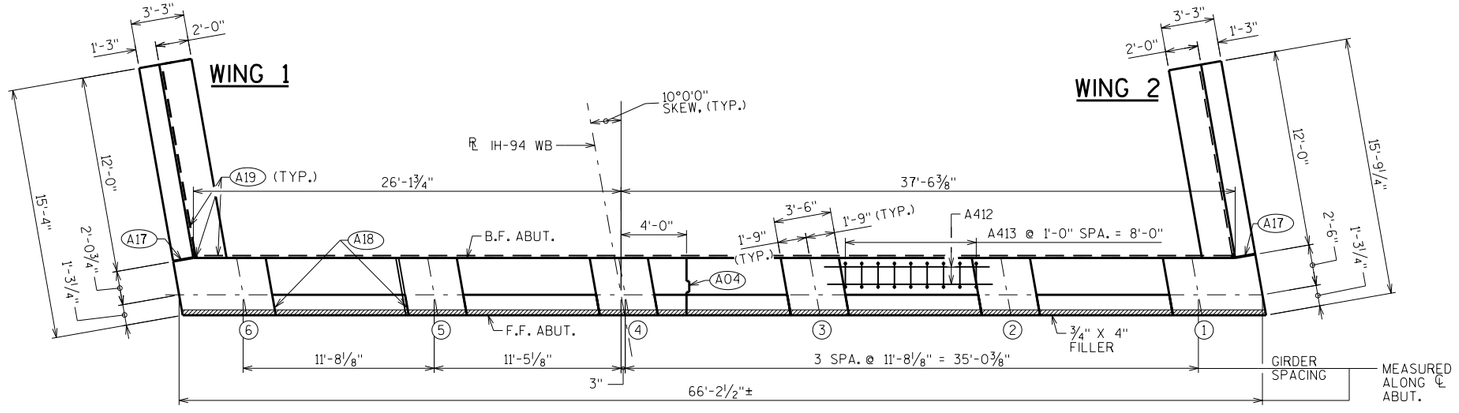
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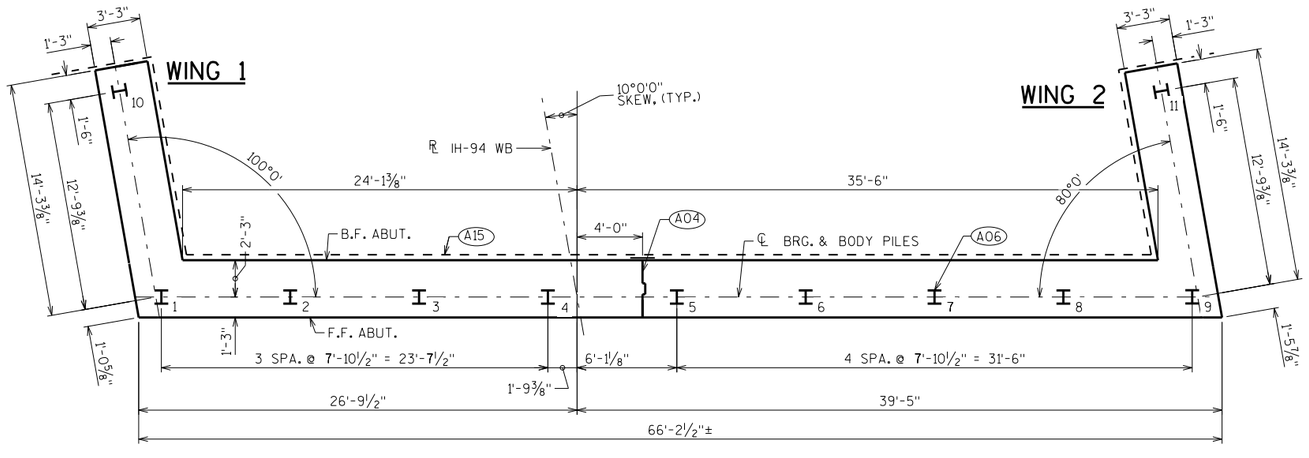
ELEVATION

(LOOKING WEST)

ADJUST STIRRUP BARS TO MISS PILES

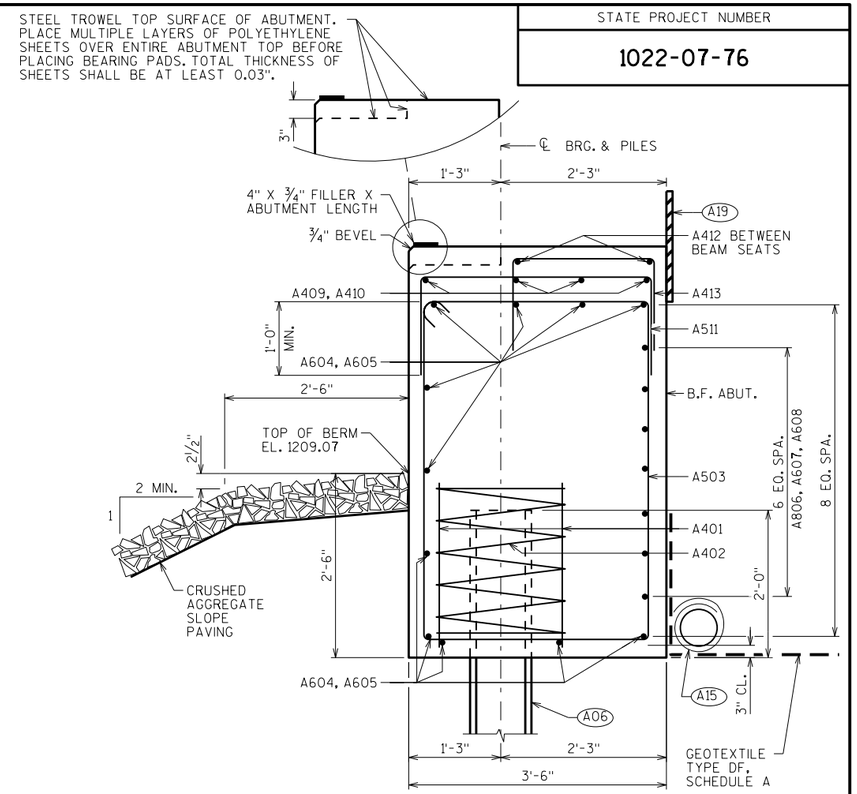


PLAN

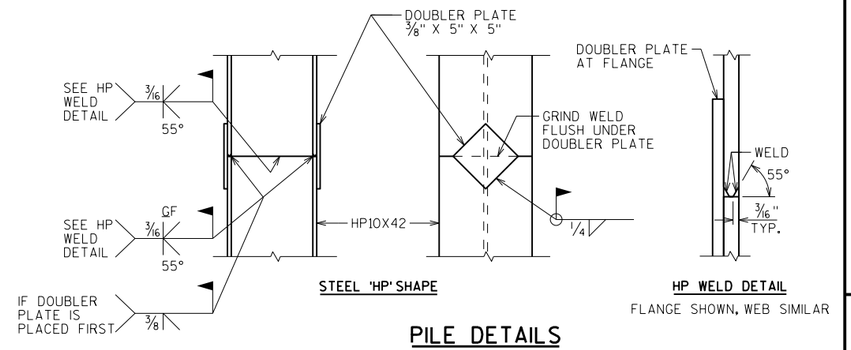


PILE PLAN

○ INDICATES GIRDER NUMBER



SECTION THRU BODY



PILE DETAILS

(A04) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2" X 8", ¾" "V" GROOVE @ THE FRONT FACE AND 18" R.M.W. @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

(A06) SUPPORT ABUTMENT ON HP 10 x 42 STEEL PILING, ESTIMATED 20'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 145 TONS PER PILE. PILE POINTS REQUIRED.

(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.

STATE PROJECT NUMBER

1022-07-76

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-245

DRAWN BY JJS | PLANS CK'D. NAR

WEST ABUTMENT

SHEET 4

761

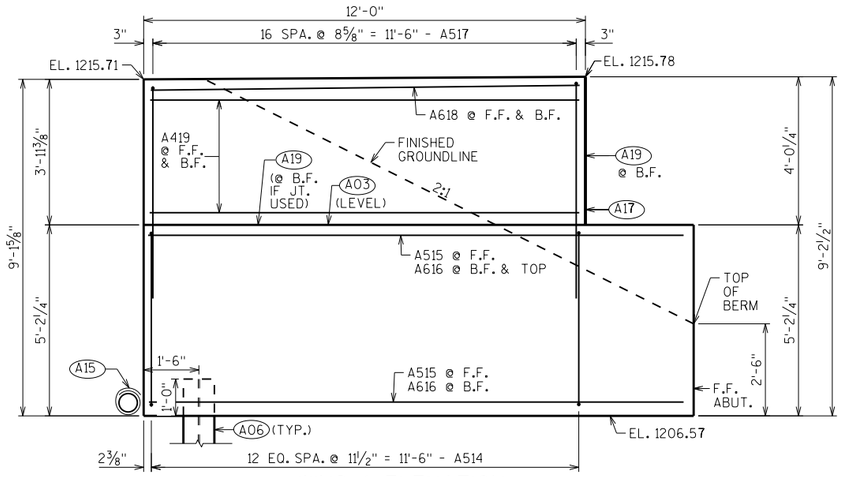
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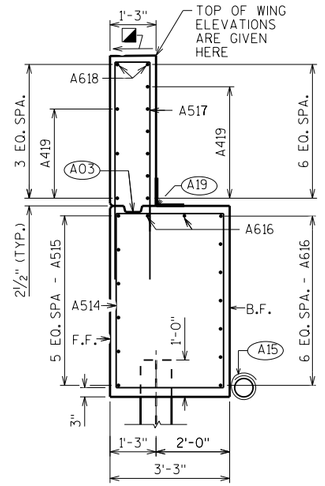
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STATE PROJECT NUMBER

1022-07-76



WING 1 ELEVATION

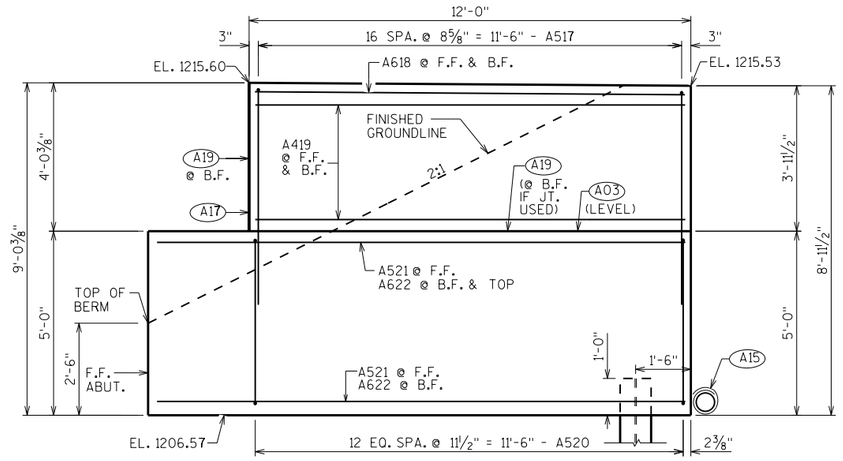


WING 1 SECTION

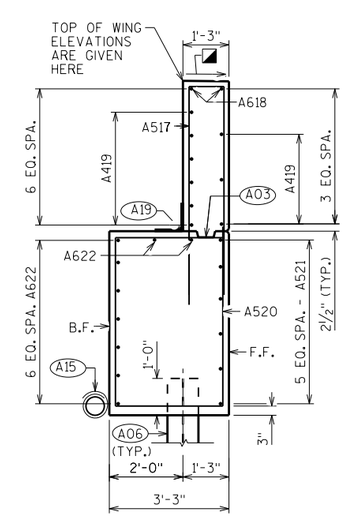
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

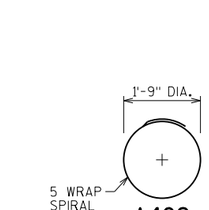
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
A401		18	2'-3"		BODY-BOT.-2 PER BODY PILE-VERT.
A402		9	28'-0"	X	BODY-BOT.-SPIRAL-1 PER BODY PILE-VERT.
A503		82	15'-8"	X	BODY-STIRRUPS-VERT.
A604		11	30'-8"		BODY-HORIZONTAL- SOUTH END
A605		11	38'-2"		BODY-HORIZONTAL- NORTH END
A806		14	13'-8"	X	BODY-HORIZONTAL-B.F.- BOTH ENDS
A607		7	27'-7"		BODY-HORIZONTAL-B.F.- NORTH END
A608		7	21'-4"		BODY-HORIZONTAL-B.F. SOUTH END
A409		4	21'-2"		BODY-TOP-HORIZ.
A410		4	16'-9"		BODY-TOP-HORIZ.
A511		36	5'-7"	X	BODY-TOP-VERT.
A412		10	10'-2"		BODY-HORIZ. BTWN. BEAM SEATS
A413		45	4'-11"	X	BODY-VERT. BTWN. BEAM SEATS
A514	X	13	16'-0"	X	WING 1-BOT.-STIRRUP-VERT.
A515	X	6	14'-10"		WING 1-HORIZONTAL-F.F.
A616	X	9	14'-3"		WINGS 1. -HORIZONTAL-B.F. & TOP
A517	X	34	12'-4"	X	WINGS 1&2-VERTICAL
A618	X	4	11'-6"		WINGS 1&2-HORIZONTAL-B.F. & F.F. TOP
A419	X	18	11'-6"		WINGS 1&2-HORIZONTAL-B.F. & F.F.
A520	X	13	15'-8"	X	WING 2-STIRRUP-VERT.
A521	X	6	15'-3"		WING 2-HORIZONTAL-F.F.
A622	X	9	14'-3"		WINGS 2-HORIZONTAL-B.F. & TOP



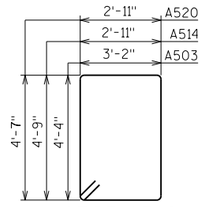
WING 2 ELEVATION



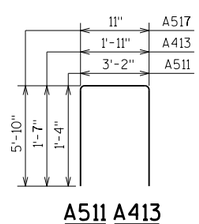
WING 2 SECTION



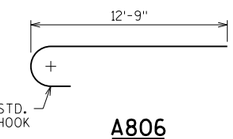
A402



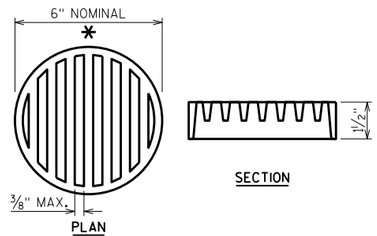
A503 A514 A520



A511 A413 A517



A806



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" × 6". (18" RMW @ B.F. & ¾" "V" GROOVE @ F.F. IF JOINT IS USED).

(A06) SUPPORT ABUTMENT ON HP 10 × 42 STEEL PILING, ESTIMATED 20'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 145 TONS PER PILE. PILE POINTS REQUIRED.

(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.

◪ - SLOPE TO DRAIN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-245

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WEST ABUTMENT DETAILS

SHEET 5

762

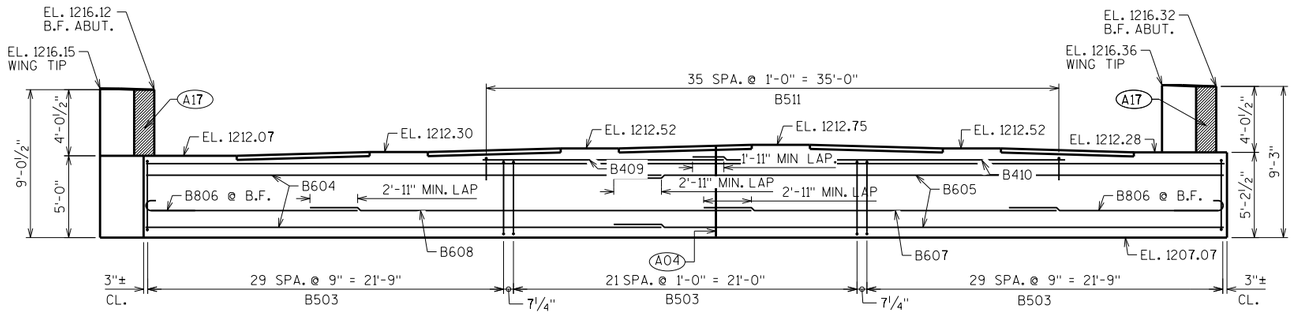
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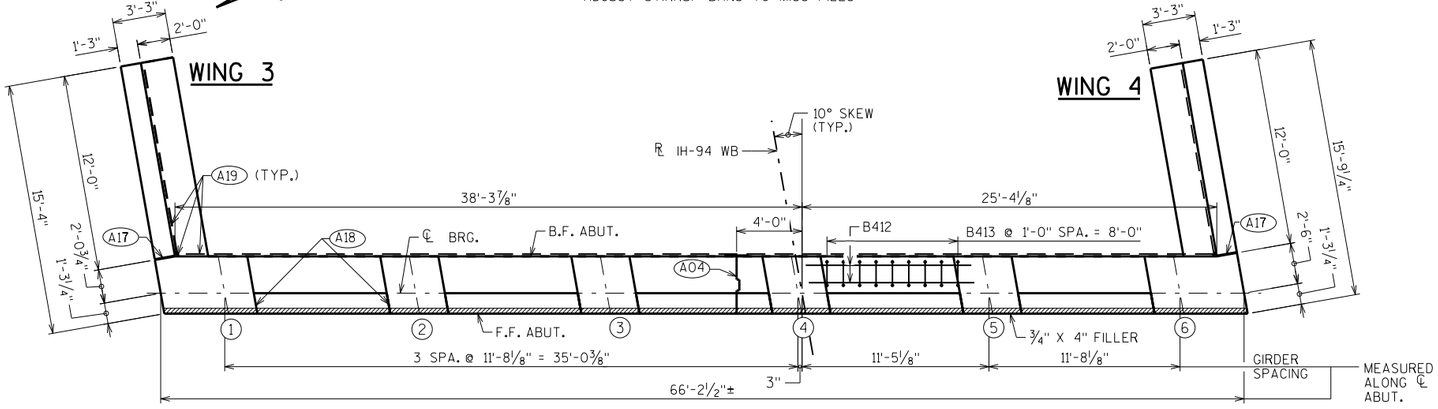
STATE PROJECT NUMBER

1022-07-76

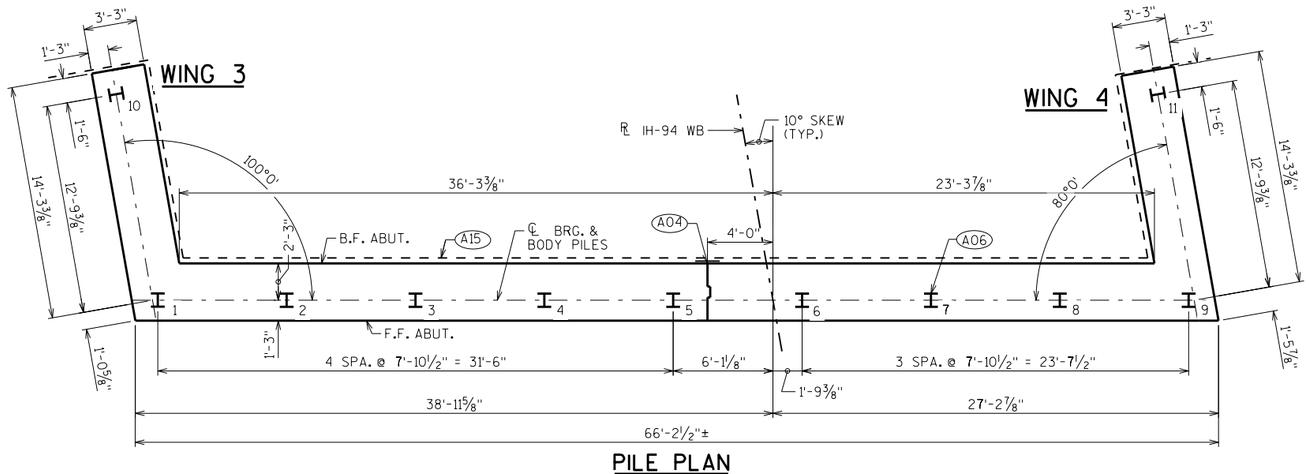


ELEVATION

(LOOKING EAST)
ADJUST STIRRUP BARS TO MISS PILES

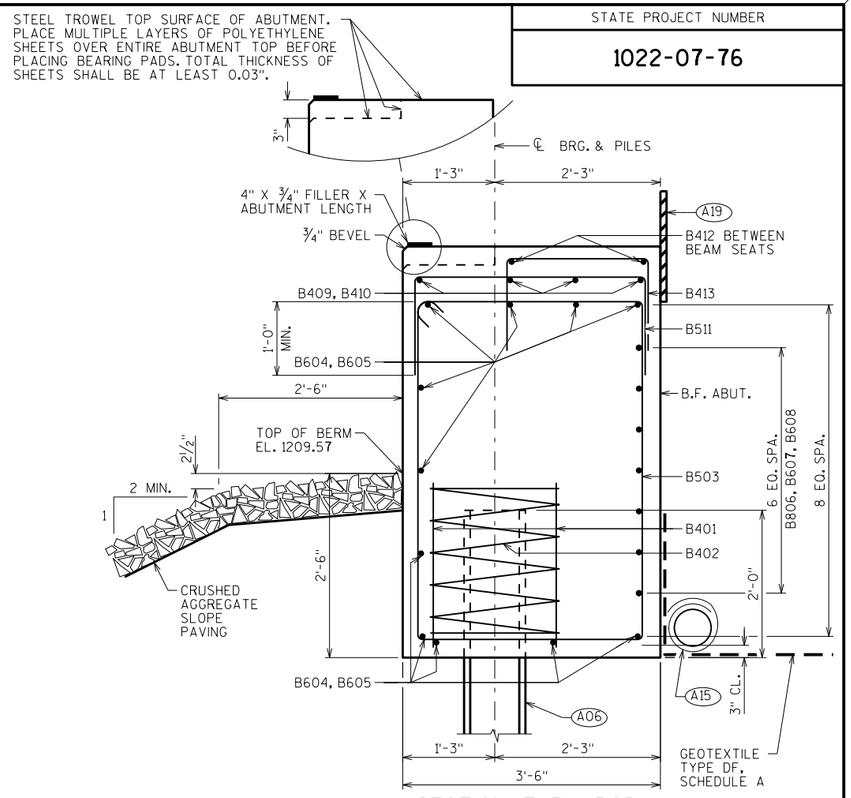


PLAN

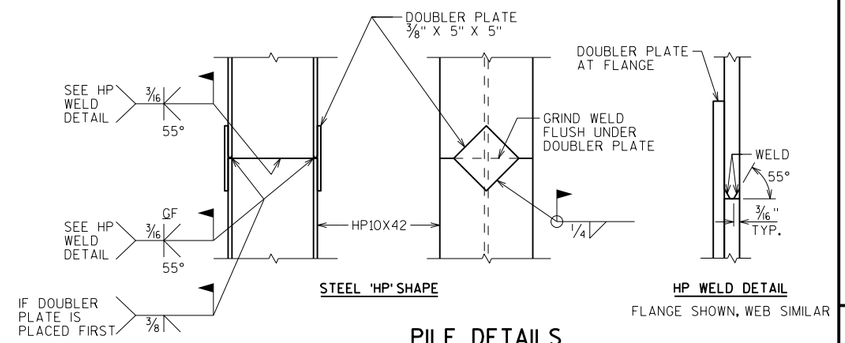


PILE PLAN

◯ INDICATES GIRDER NUMBER



SECTION THRU BODY



STEEL 'HP' SHAPE

HP WELD DETAIL

FLANGE SHOWN, WEB SIMILAR

PILE DETAILS

(A04) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2" X 8". ¾" "V" GROOVE @ THE FRONT FACE AND 18" R.M.W. @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

(A06) SUPPORT ABUTMENT ON HP 10 x 42 STEEL PILING, ESTIMATED 25'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 145 TONS PER PILE.

(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.

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STATE OF WISCONSIN
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STRUCTURE B-55-245

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EAST ABUTMENT

SHEET 6

763

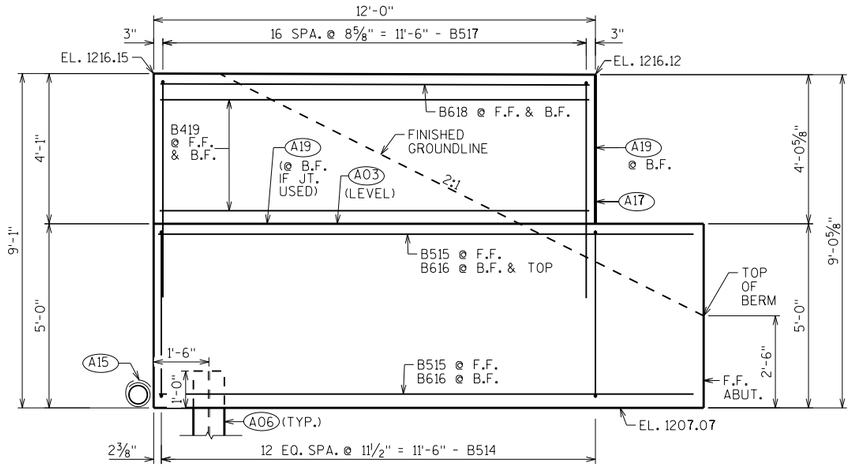
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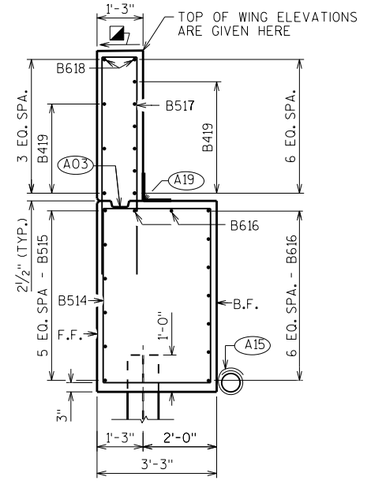
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STATE PROJECT NUMBER

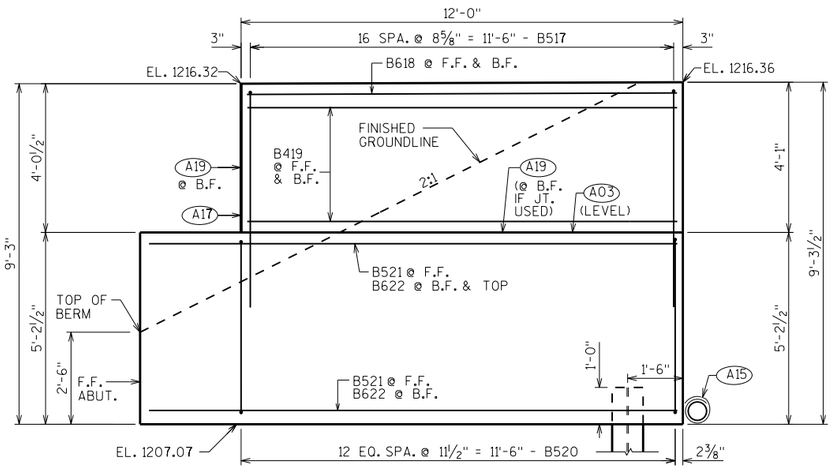
1022-07-76



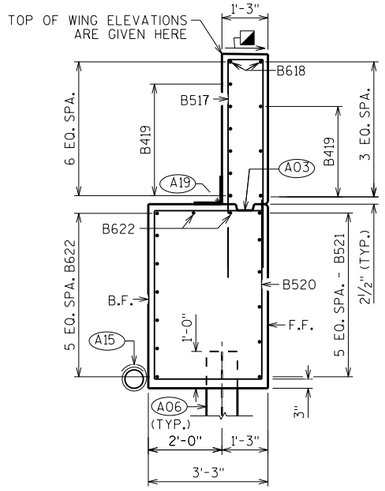
WING 3 ELEVATION



WING 3 SECTION



WING 4 ELEVATION



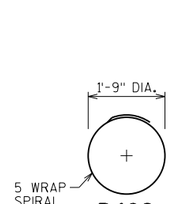
WING 4 SECTION

- SLOPE TO DRAIN

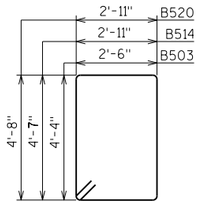
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

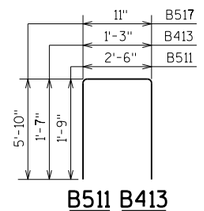
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
B401		18	2'-3"		BODY-BOT.-2 PER BODY PILE-VERT.
B402		9	28'-0"	X	BODY-BOT.-SPIRAL-1 PER BODY PILE-VERT.
B503		82	15'-8"	X	BODY-STIRRUPS-VERT.
B604		11	30'-8"		BODY-HORIZONTAL- NORTH END
B605		11	38'-2"		BODY-HORIZONTAL-SOUTH END
B806		14	13'-8"	X	BODY-HORIZONTAL-B.F.-BOTH ENDS
B607		7	27'-7"		BODY-HORIZONTAL-B.F.- SOUTH END
B608		7	21'-4"		BODY-HORIZONTAL-B.F.- NORTH END
B409		4	21'-2"		BODY-TOP-HORIZ.
B410		4	16'-9"		BODY-TOP-HORIZ.
B511		36	5'-7"	X	BODY-TOP-VERT.
B412		10	10'-2"		BODY-HORIZ. BTWN. BEAM SEATS
B413		45	4'-11"	X	BODY-VERT. BTWN. BEAM SEATS
B514	X	13	16'-0"	X	WING 3.-STIRRUP-VERT.
B515	X	6	14'-10"		WING 3-HORIZONTAL-F.F.
B616	X	9	14'-3"		WINGS 3-HORIZONTAL-B.F. & TOP
B517	X	34	12'-4"	X	WINGS 3&4-VERTICAL
B618	X	4	11'-6"		WINGS 3&4-HORIZONTAL-B.F. & F.F. TOP
B419	X	18	11'-6"		WINGS 3&4-HORIZONTAL-B.F. & F.F.
B520	X	13	15'-8"	X	WING 4-STIRRUP-VERT.
B521	X	6	15'-3"		WING 4-HORIZONTAL-F.F.
B622	X	9	14'-3"		WINGS 4-HORIZONTAL-B.F. & TOP



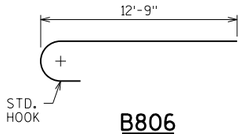
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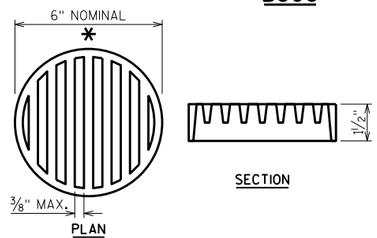
B503 B514 B520



B511 B413 B517



B806



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).

(A06) SUPPORT ABUTMENT ON HP 10 x 42 STEEL PILING, ESTIMATED 25'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 145 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.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-245

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EAST ABUTMENT DETAILS

SHEET 7

764

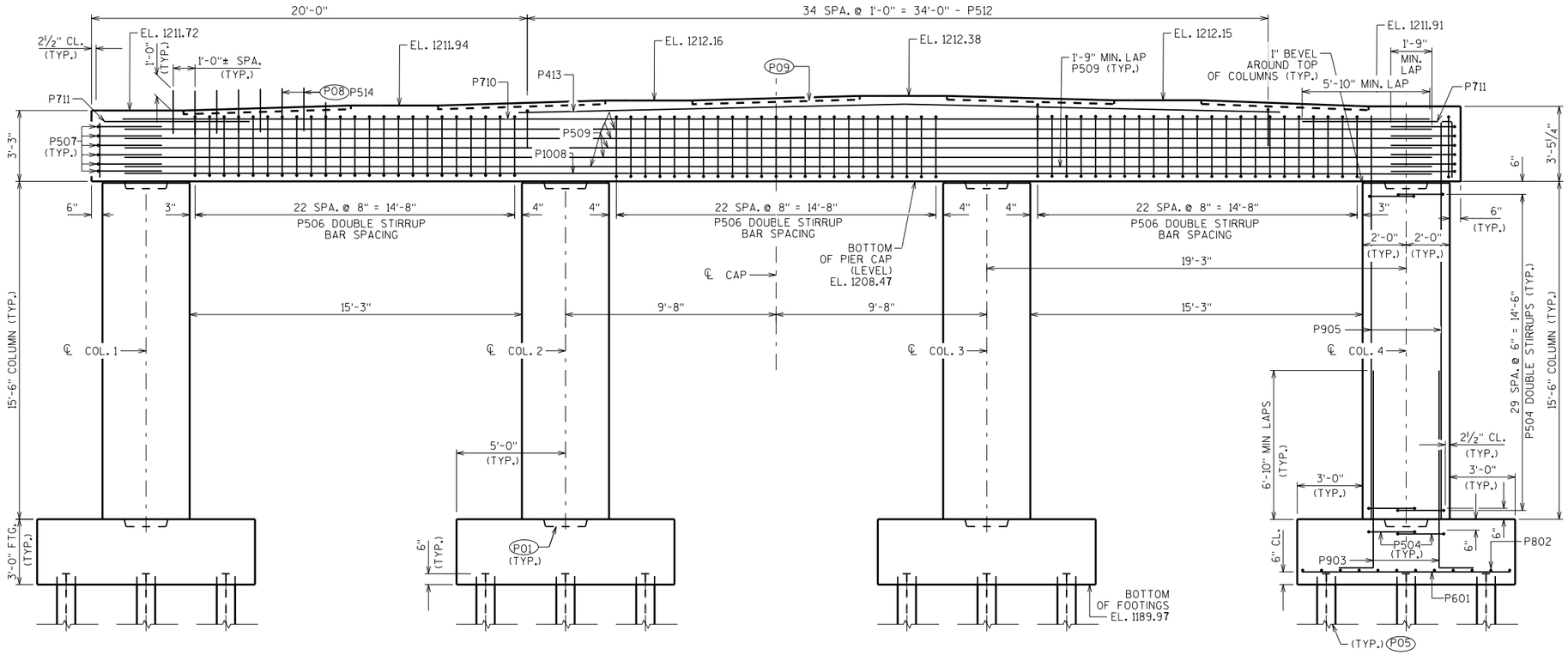
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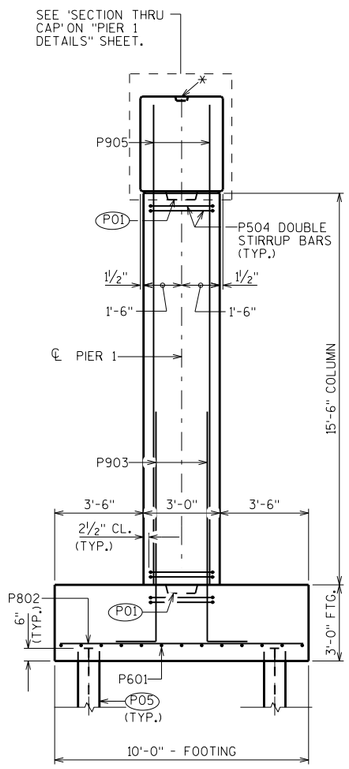
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STATE PROJECT NUMBER

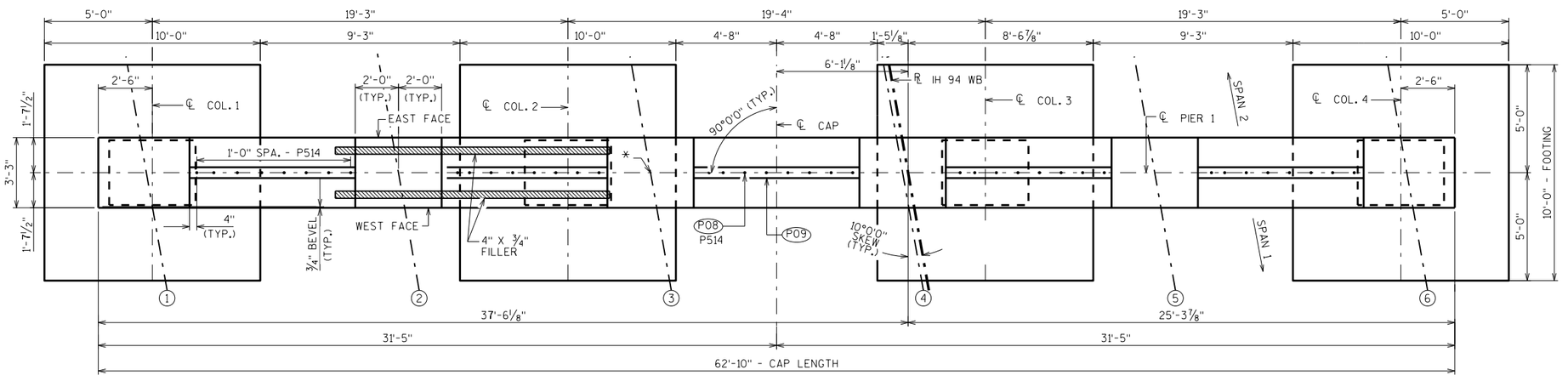
1022-07-76



ELEVATION
(LOOKING EAST)



END VIEW



PLAN

*TOP OF PIER CAP ELEVATIONS ARE GIVEN HERE AT THE ℄ PIER 1

◯ INDICATES GIRDER NUMBER

(P01) 2'-0" x 1'-3" x 4" DEEP CONSTRUCTION JOINT FORMED BY BEVELED KEYWAY.

(P05) SUPPORT PIER ON HP 10 X 42 PILES. ESTIMATED 20 FEET LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE. SEE "PILE DETAILS" ON NEXT SHEET.

(P08) P514 BARS @ 1'-0" CTRS. AT TOP OF PIER CAP. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

(P09) KEYED CONSTRUCTION JOINT-FORMED BY BEVELED 2" x 6" AT TOP OF PIER CAP.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-245

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PIER 1

SHEET 8

765

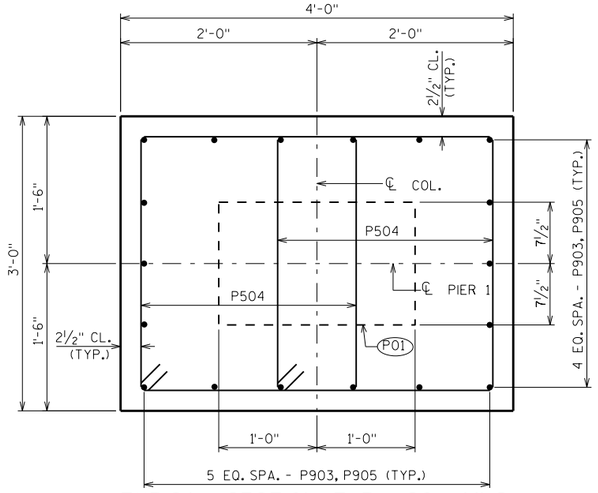
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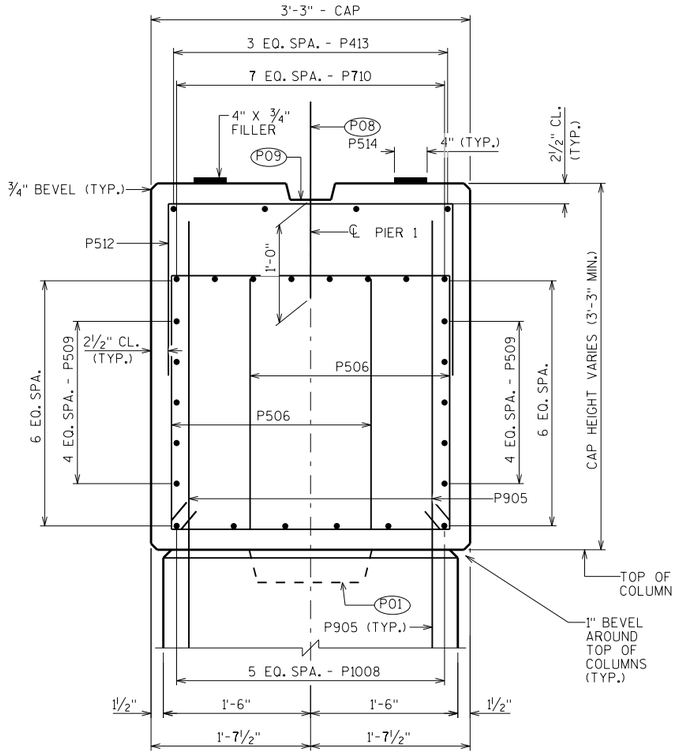
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TYPICAL SECTION THRU COLUMNS

(SHOWING DOUBLE STIRRUPS)



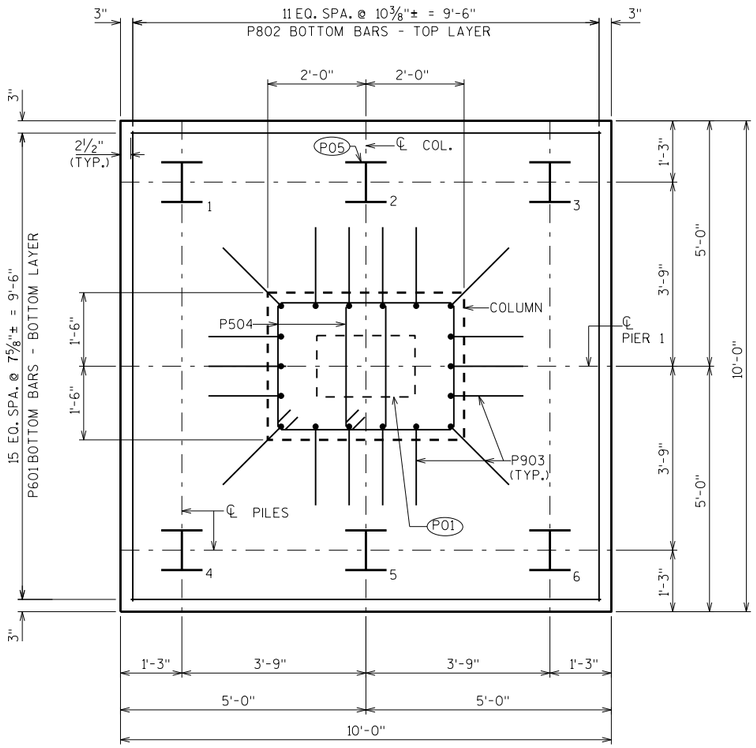
SECTION THRU CAP

(SHOWING DOUBLE STIRRUPS)

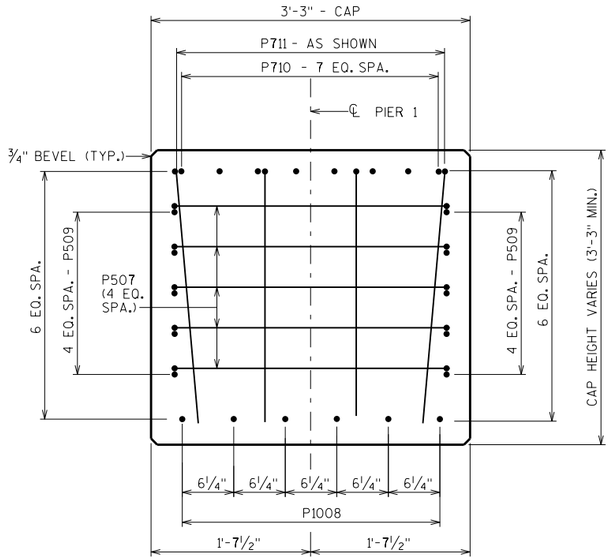
BILL OF BARS

NOTE:
THE FIRST OR FIRST TWO DIGITS OF
THE BAR MARK SIGNIFIES THE BAR SIZE

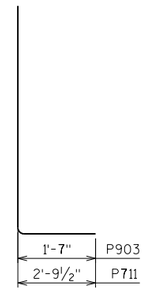
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
P601		64	9'-7"		FOOTINGS-BOTTOM-HORIZ.-LONGIT.-BOT. LAYER
P802		48	9'-7"		FOOTINGS-BOTTOM-HORIZ.-TRANS.-TOP LAYER
P903	X	72	11'-10"	X	FOOTINGS/COLUMNS-VERTICAL-ALL FACES
P504	X	248	10'-6"	X	FOOTINGS & COLUMNS-HORIZ.-DOUBLE STIRRUPS
P905	X	72	18'-0"		COLUMNS/CAP-VERTICAL-ALL FACES
P506	X	138	10'-7"	X	CAP-VERTICAL-TRANSVERSE-DOUBLE STIRRUPS-BTWN. COLUMNS
P507	X	12	8'-6"	X	CAP-HORIZ.-BOTH ENDS ONLY
P1008	X	6	60'-0"		CAP-BOT.-HORIZ.-LONGIT.
P509	X	10	60'-0"		CAP-HORIZ.-LONGIT.-BOTH FACES
P710	X	8	60'-0"		CAP-TOP-HORIZ. & VERT.-LONGIT.
P711	X	8	9'-8"	X	CAP-TOP-HORIZ.-LONGIT.-BOTH ENDS
P512	X	35	6'-11"	X	CAP-TOP-VERTICAL-TRANSVERSE- ABOVE COLS. 2-3
P413	X	4	35'-0"		CAP-TOP-HORIZ.-LONGIT.-ABOVE COLS. 2-3
P514	X	40	2'-0"		CAP-TOP-VERTICAL-TRANSVERSE-CENTER



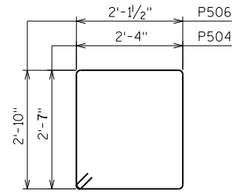
TYPICAL FOOTING/PILE PLAN



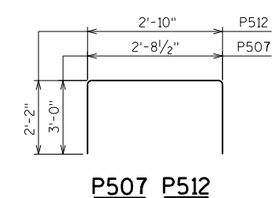
SECTION THRU CAP AT ENDS



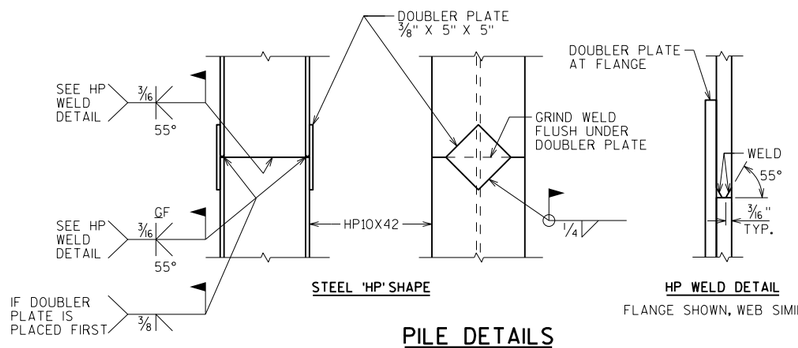
P903 P711



P504 P506



P507 P512



STEEL 'HP' SHAPE

HP WELD DETAIL

FLANGE SHOWN, WEB SIMILAR

PILE DETAILS

(P01) 2'-0" x 1'-3" x 4" DEEP CONSTRUCTION JOINT FORMED BY BEVELED KEYWAY.

(P05) SUPPORT PIER ON HP 10 X 42 PILES. PILING, ESTIMATED 20 FEET LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE. PILE POINTS REQUIRED.

(P08) P514 BARS @ 1'-0" CTRS. AT TOP OF PIER CAP. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

(P09) KEYED CONSTRUCTION JOINT-FORMED BY BEVELED 2" x 6" AT TOP OF PIER CAP.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-245

DRAWN BY JJS | PLANS CK'D. NAR

PIER 1 DETAILS

SHEET 9

766

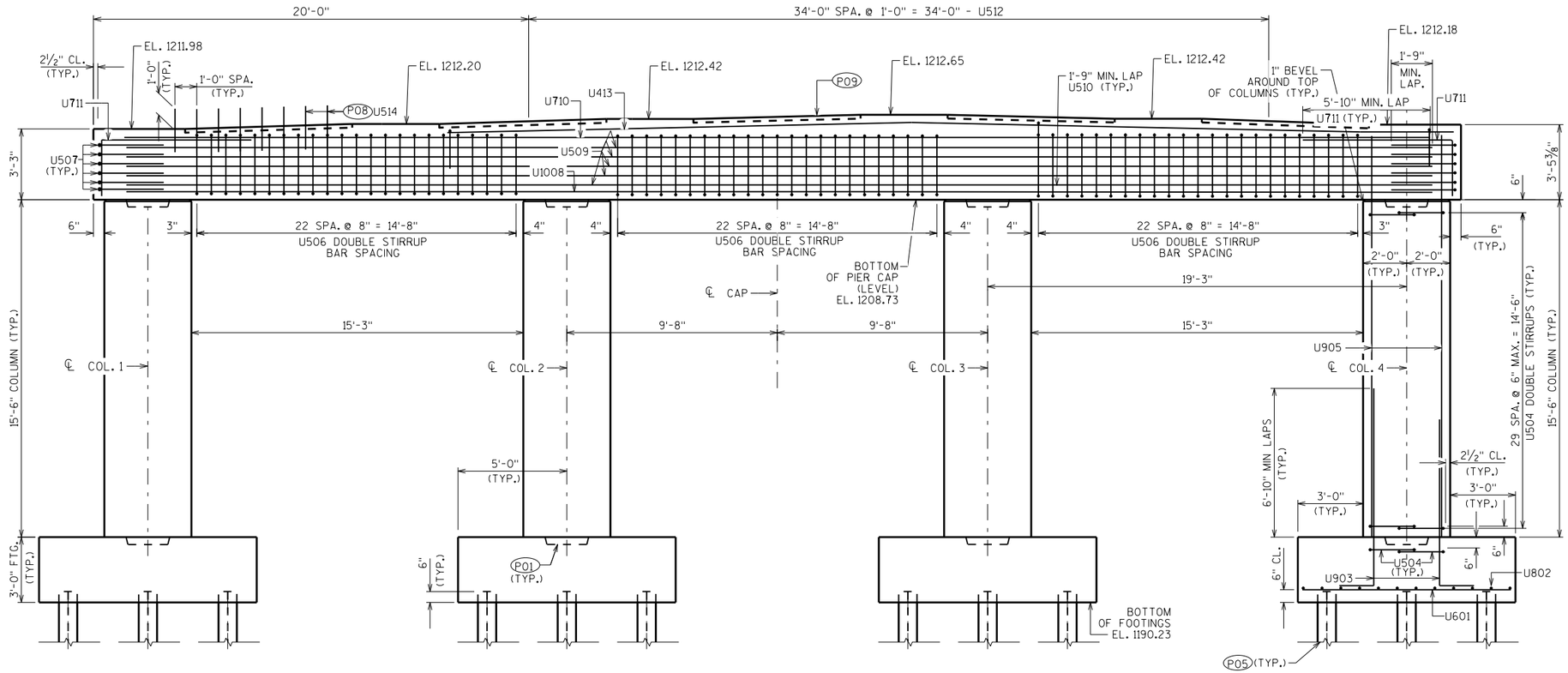
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STATE PROJECT NUMBER

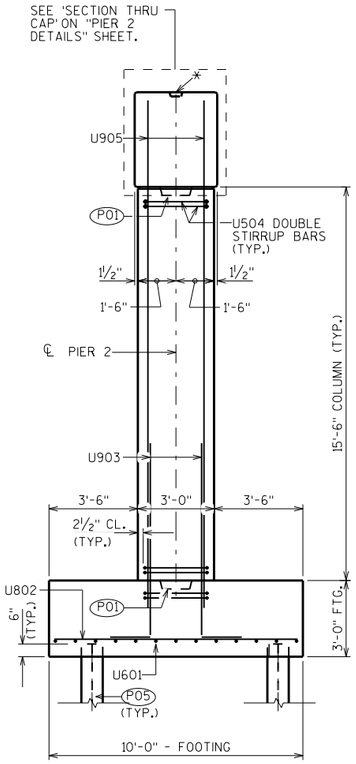
1022-07-76



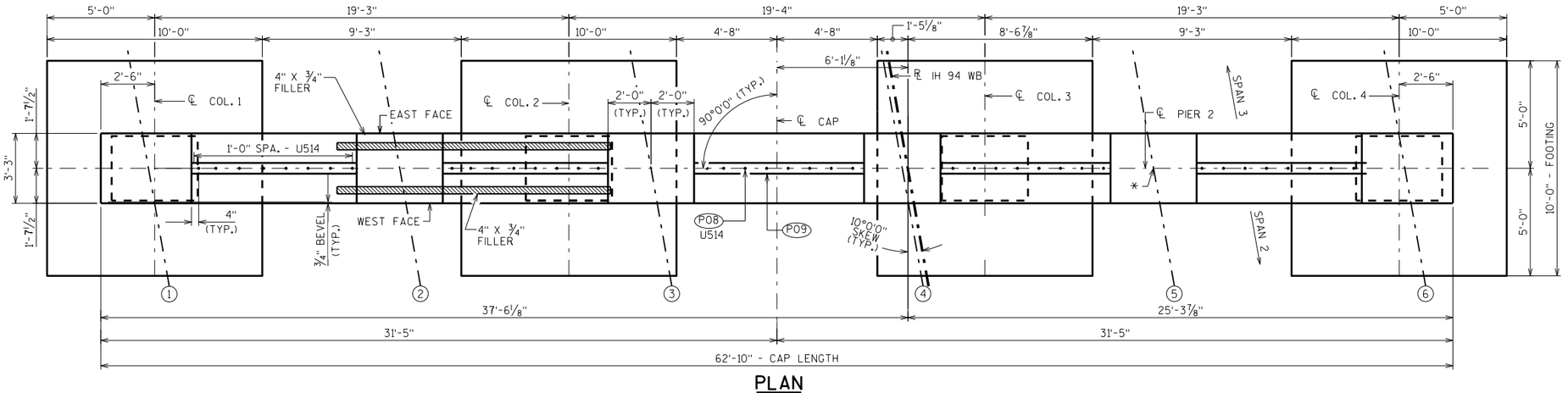
ELEVATION

(LOOKING EAST)

*TOP OF PIER CAP ELEVATIONS ARE GIVEN HERE AT THE ℄ PIER 2



END VIEW



PLAN

*TOP OF PIER CAP ELEVATIONS ARE GIVEN HERE AT THE ℄ PIER 2

◯ INDICATES GIRDER NUMBER

(P01) 2'-0" x 1'-3" x 4" DEEP CONSTRUCTION JOINT FORMED BY BEVELED KEYWAY.

(P05) SUPPORT PIER ON HP 10 X 42 PILES, ESTIMATED 20 FEET LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE. SEE "PILE DETAILS" ON NEXT SHEET.

(P08) U514 BARS @ 1'-0" CTRS. AT TOP OF PIER CAP. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

(P09) KEYED CONSTRUCTION JOINT-FORMED BY BEVELED 2" x 6" AT TOP OF PIER CAP.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-245

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PIER 2

SHEET 10

767

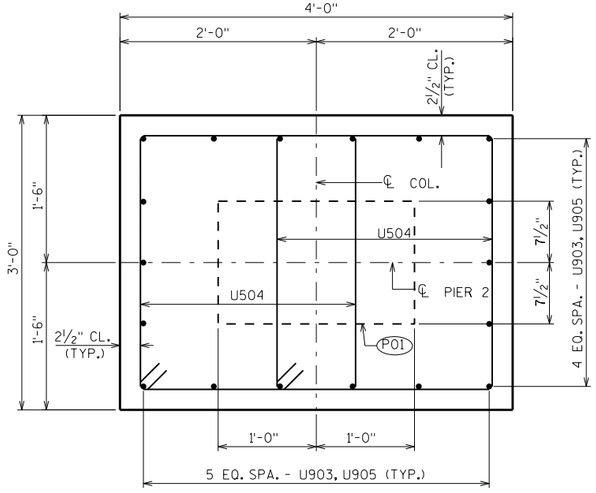
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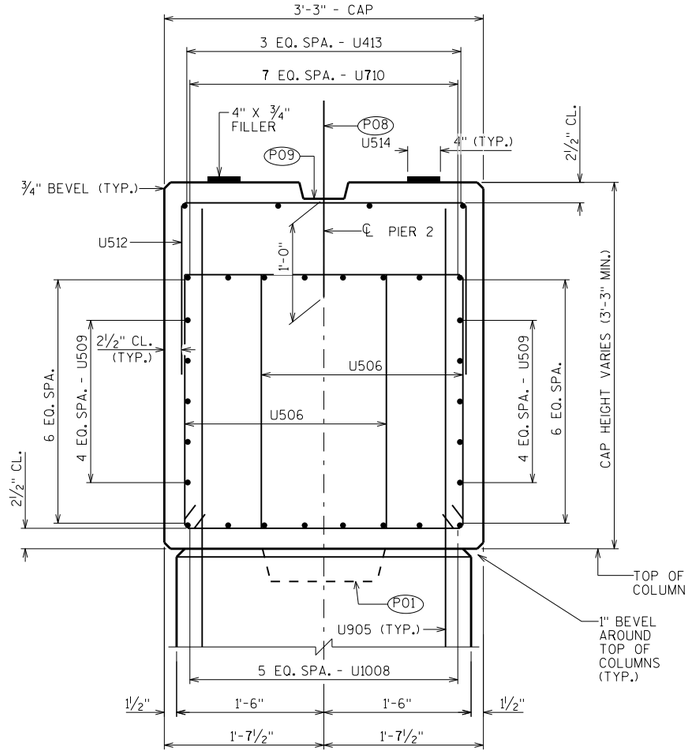
STATE PROJECT NUMBER

1022-07-76



TYPICAL SECTION THRU COLUMNS

(SHOWING DOUBLE STIRRUPS)



SECTION THRU CAP

(SHOWING DOUBLE STIRRUPS)

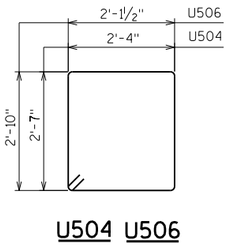
BILL OF BARS

NOTE:
THE FIRST OR FIRST TWO DIGITS OF
THE BAR MARK SIGNIFIES THE BAR SIZE

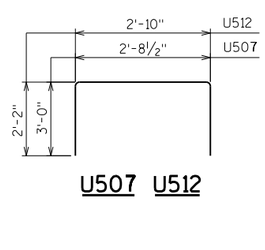
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
U601		64	9'-7"		FOOTINGS-BOTTOM-HORIZ.-LONGIT.-BOT. LAYER
U802		48	9'-7"		FOOTINGS-BOTTOM-HORIZ.-TRANS.-TOP LAYER
U903	X	72	11'-10"	X	FOOTINGS/COLUMNS-VERTICAL-ALL FACES
U504	X	248	10'-6"	X	FOOTINGS & COLUMNS-HORIZ.-DOUBLE STIRRUPS
U905	X	72	18'-0"		COLUMNS/CAP-VERTICAL-ALL FACES
U506	X	138	10'-7"	X	CAP-BOT.-VERTICAL-TRANSVERSE-DOUBLE STIRRUPS-BTWN. COLUMNS
U507	X	12	8'-6"	X	CAP-HORIZ.-BOTH ENDS ONLY
U1008	X	6	60'-0"		CAP-BOT.-HORIZ.-LONGIT.
U509	X	10	60'-0"		CAP-HORIZ.-LONGIT.-BOTH FACES
U710	X	8	60'-0"	X	CAP-TOP-HORIZ. & VERT.-LONGIT.
U711	X	8	9'-8"	X	CAP-TOP-HORIZ.-LONGIT.-BOTH ENDS
U512	X	35	6'-11"	X	CAP-TOP-VERTICAL-TRANSVERSE- ABOVE COLS. 2-3
U413	X	4	35'-0"		CAP-TOP-HORIZ.-LONGIT.-ABOVE COLS. 2-3
U514	X	40	2'-0"		CAP-TOP-VERTICAL-TRANSVERSE-CENTER



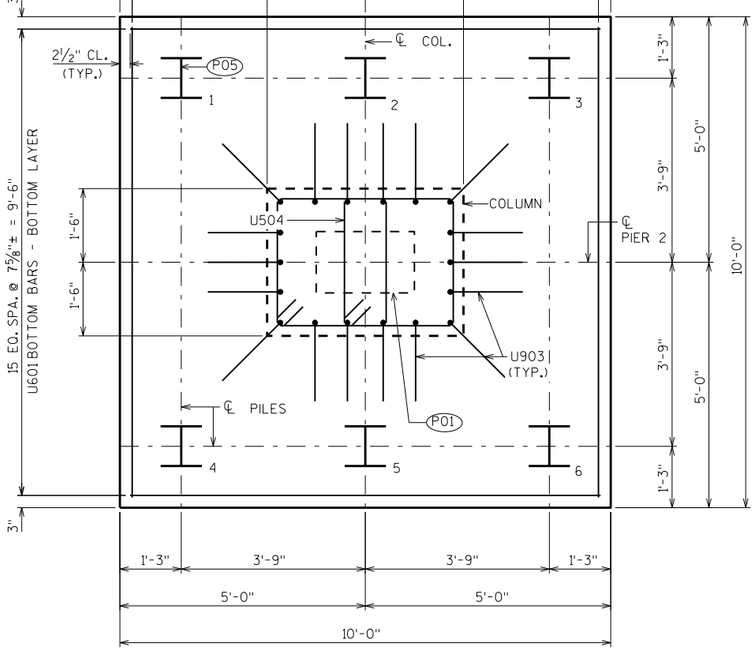
U903 U711



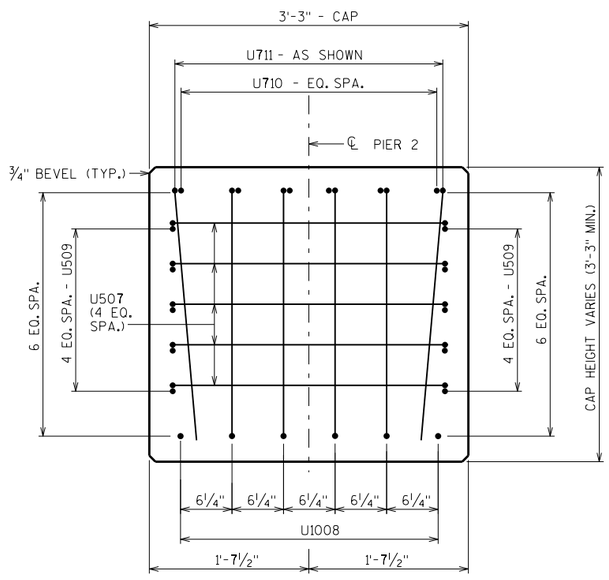
U504 U506



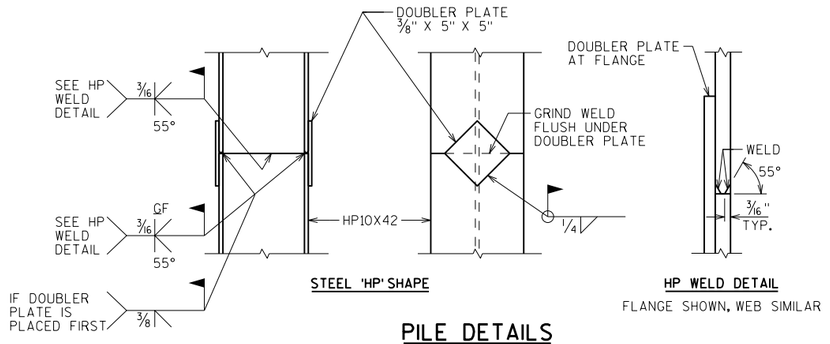
U507 U512



TYPICAL FOOTING/PILE PLAN



SECTION THRU CAP AT ENDS



STEEL 'HP' SHAPE

HP WELD DETAIL

FLANGE SHOWN, WEB SIMILAR

PILE DETAILS

(P01) 2'-0" X 1'-3" X 4" DEEP CONSTRUCTION JOINT FORMED BY BEVELED KEYWAY.

(P05) SUPPORT PIER ON HP 10 X 42 PILES. ESTIMATED 20 FEET LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE. PILE POINTS REQUIRED.

(P08) U514 BARS @ 1'-0" CTRS. AT TOP OF PIER CAP. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

(P09) KEYED CONSTRUCTION JOINT-FORMED BY BEVELED 2" X 6" AT TOP OF PIER CAP.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-245

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PIER 2 DETAILS

SHEET 11

768

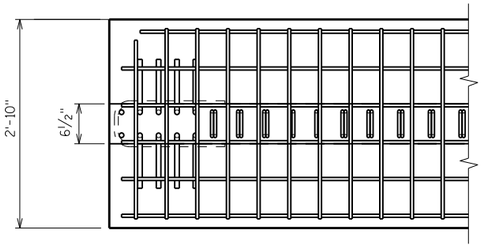
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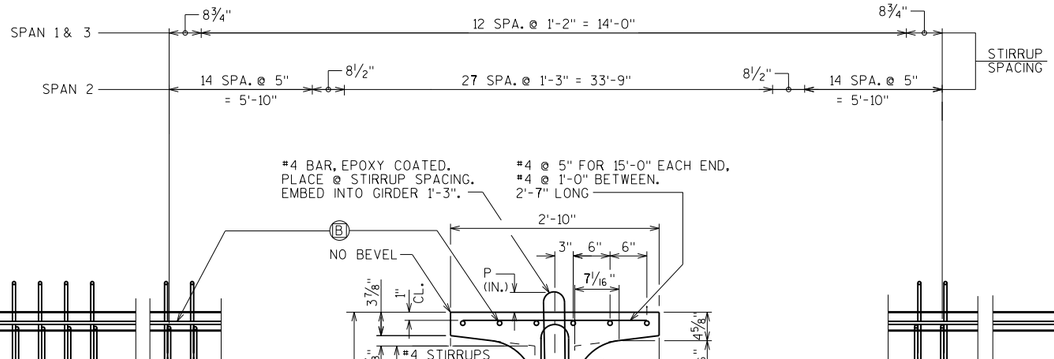
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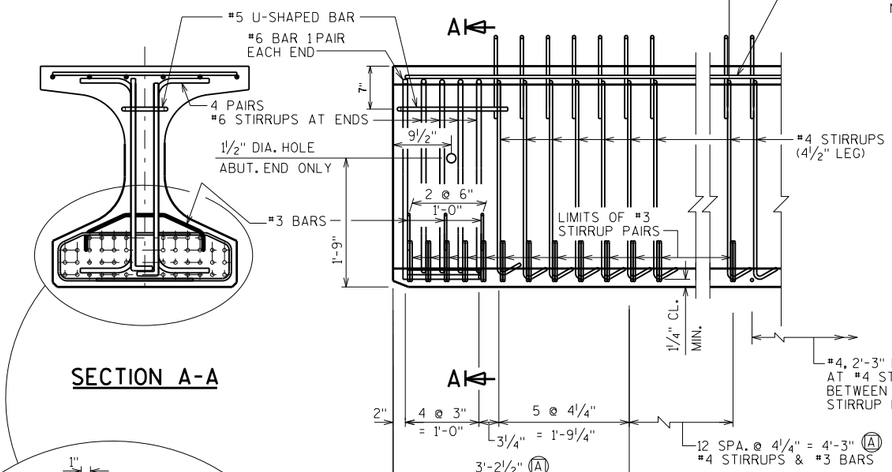
STATE PROJECT NUMBER

1022-07-76

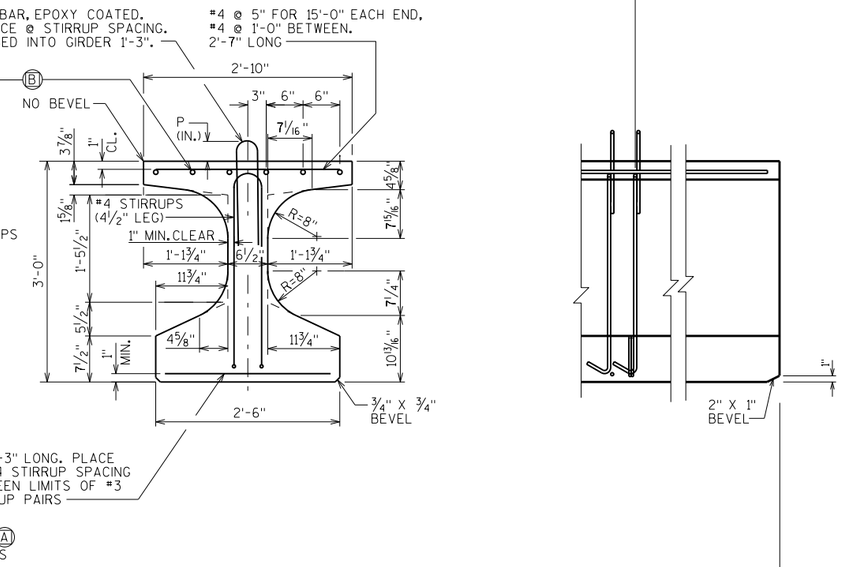


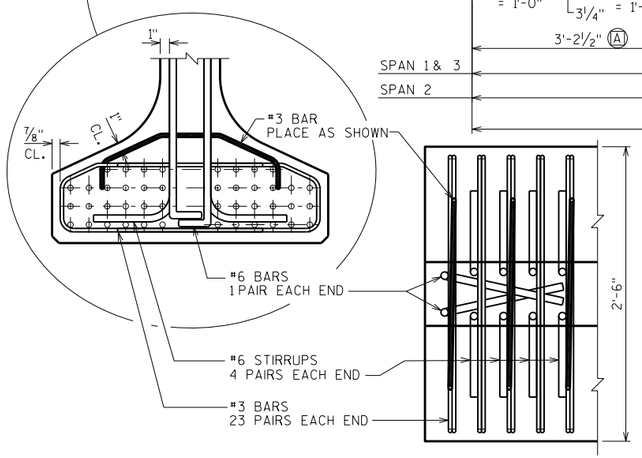
TOP FLANGE



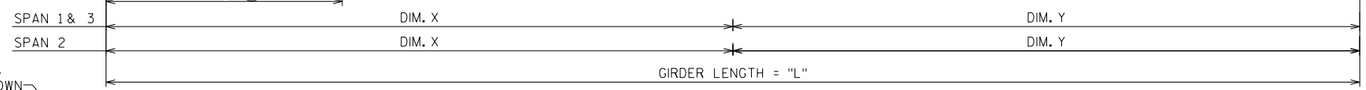


SECTION A-A





BOTTOM FLANGE



SIDE VIEW & TYPICAL SECTION IN SPAN

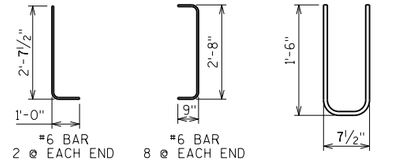
(A) DETAIL TYP. AT EACH END

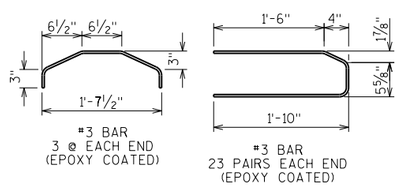
(B) 6 #5 BARS, FULL LENGTH, MIN. LAP = 2'-5"

SPAN 1 & 3	"DIM. X"	"DIM. Y"
G1	10'-5¼"	19'-11¼"
G2	12'-5½"	17'-11"
G3	14'-5⅞"	15'-10⅝"
G4	16'-6¼"	13'-10¼"
G5	18'-6½"	11'-10"
G6	20'-6⅞"	9'-9⅝"

SPAN 2	"DIM. X"	"DIM. Y"
G1	25'-9⅝"	35'-11⅜"
G2	27'-10"	33'-11"
G3	29'-10⅜"	31'-10⅝"
G4	31'-10⅝"	29'-10⅜"
G5	33'-11"	27'-10"
G6	35'-11⅜"	25'-9⅝"

DIAPHRAGM INSERT LOCATIONS





NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE THE OUTSIDE 8" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 8" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER 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 ALTERNATE EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A1064 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DEVELOPMENT SECTION.

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

FOR CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.

✳ MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L"	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" 1ST 1/3 OF GIRDER	"P" MID 1/3 OF GIRDER	"P" 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&3	1-6	30'-4½"	0.01	0.03	0.03	0.04	0.04	0.04	0.03	0.03	0.01	8,000	7	7	7	0.6							16	6,400
2	1&6	61'-9"	0.2	0.4	0.5	0.6	0.6	0.6	0.5	0.4	0.2	8,000	7	7	7	0.6							18	6,400
2	2-5	61'-9"	0.2	0.5	0.6	0.7	0.8	0.7	0.6	0.5	0.2	8,000	7	7	7	0.6							18	6,400

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STRUCTURES DESIGN SECTION

STRUCTURE B-55-245

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36W" PRESTRESSED GIRDER DETAILS 1

SHEET 12

769

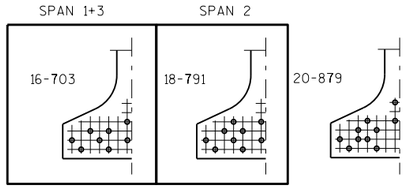
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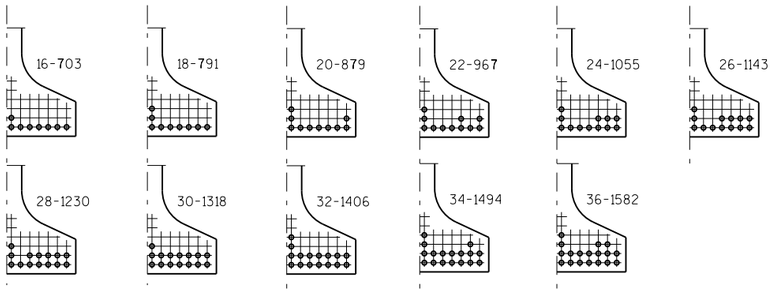
STATE PROJECT NUMBER

1022-07-76



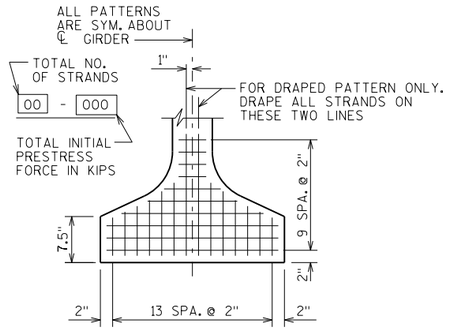
STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPING OF STRANDS

0.6" DIA. STRANDS

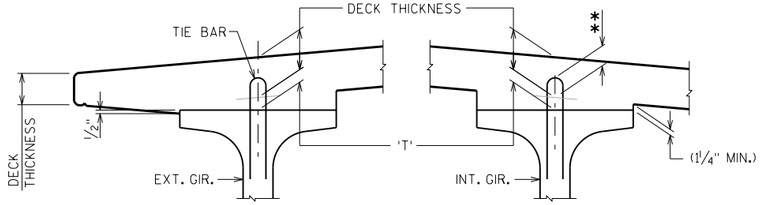


ARRANGEMENT AT ℄ SPAN - FOR GIRDERS WITH DRAPED STRANDS

0.6" DIA. STRANDS



TYP. STRAND PATTERN



DECK HAUNCH DETAIL

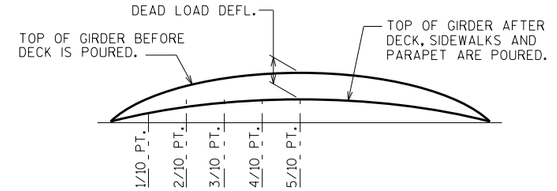
IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR, THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

** 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 2.63" WAS USED IN THE QUANTITY "CONCRETE MASONRY BRIDGES".



DEAD LOAD DEFLECTION DIAGRAM

*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	0.35
2	1.15
3	0.35

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

8

8

NO.	DATE	REVISION	BY

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DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-245

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36W" PRESTRESSED GIRDER DETAILS 2

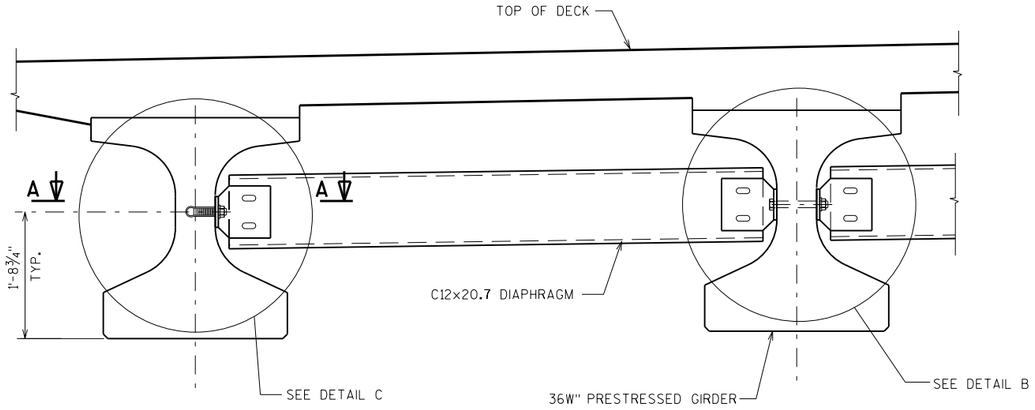
SHEET 13

770

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STATE PROJECT NUMBER

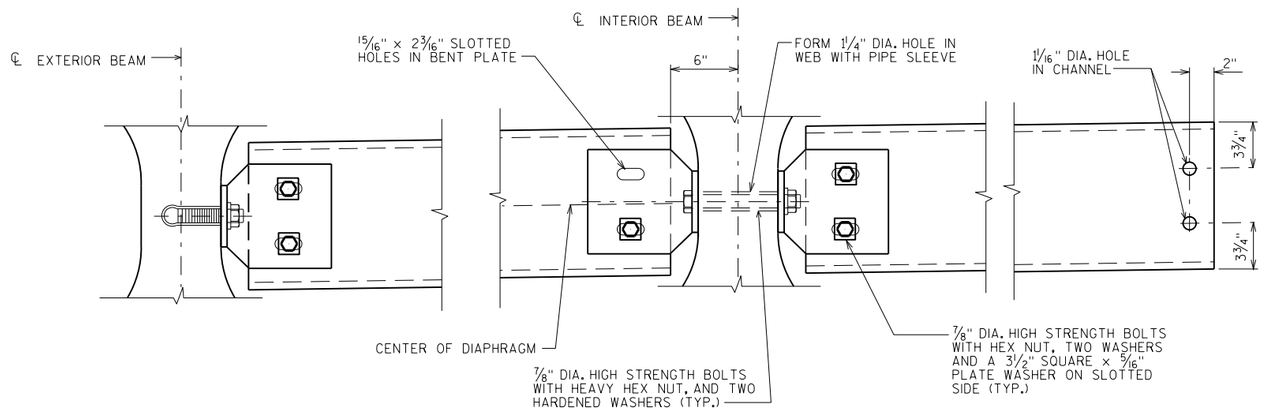
1022-07-76



EXTERIOR GIRDER

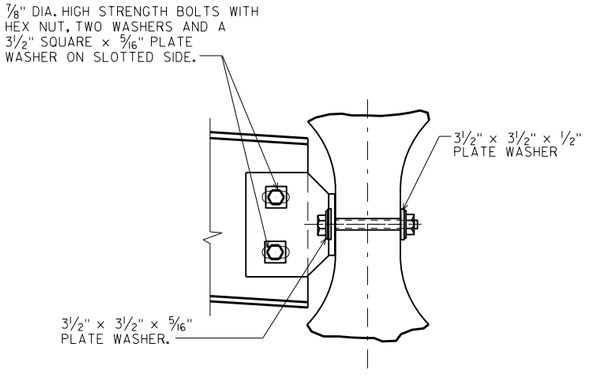
INTERIOR GIRDER

PART TRANSVERSE SECTION AT DIAPHRAGM



DETAIL C

DETAIL B



SECTION AT INTERIOR GIRDERS THRU DIAPHRAGM FOR SKEW ANGLES > 10°

NOTES

ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-55-245", EACH.

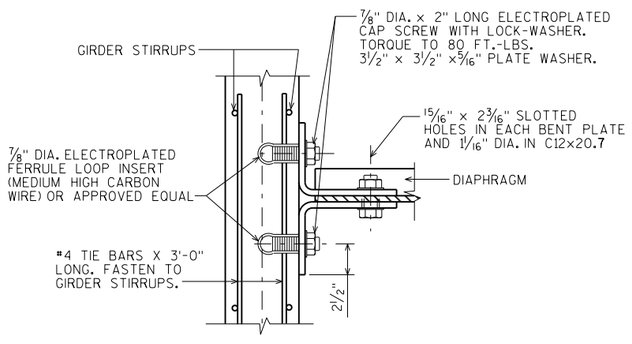
EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

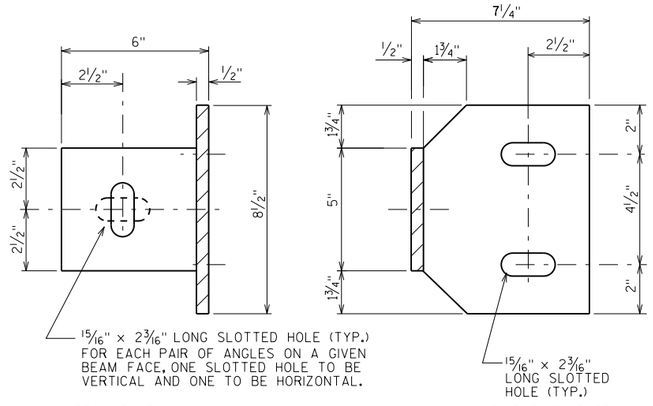
STEEL DIAPHRAGM TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS ¼ TURN, UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.

SEE 36W" PRESTRESSED GIRDER DETAILS 1 FOR DIAPHRAGM INSERT LOCATIONS.



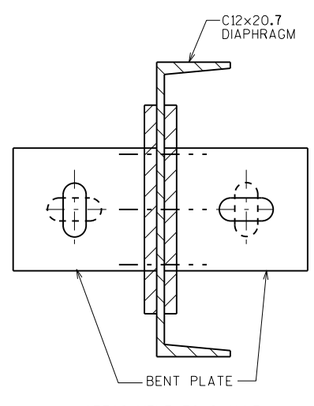
SECTION A-A

(FOR EXTERIOR ATTACHMENT)



BEAM FACE

DIAPHRAGM FACE



ATTACHMENT TO CHANNEL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-245

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STEEL DIAPHRAGM

SHEET 14

771

SCALE = 1.00

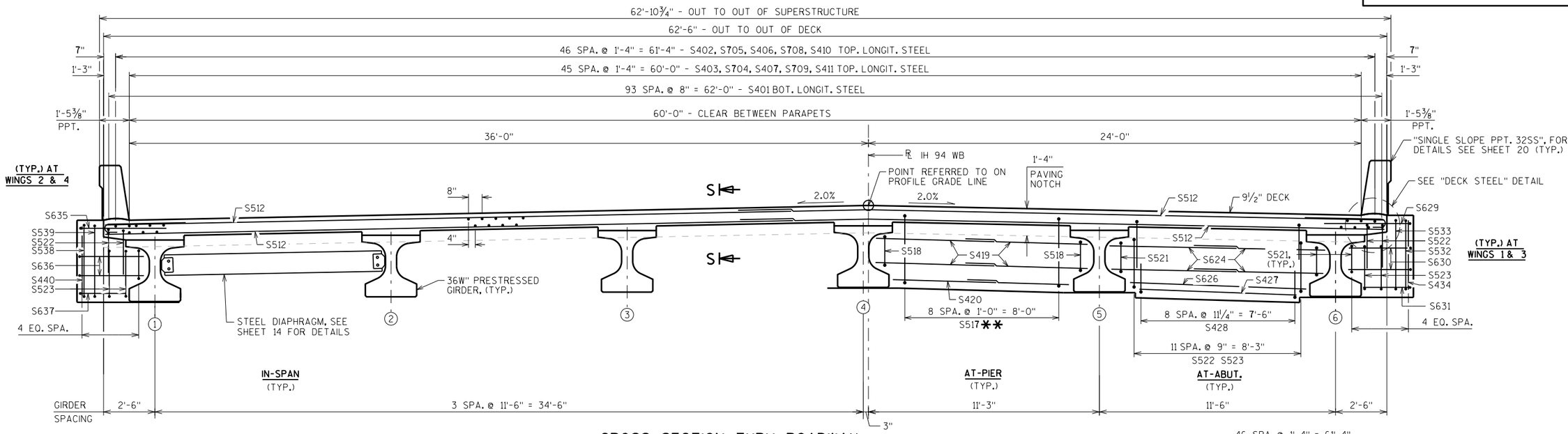
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STATE PROJECT NUMBER

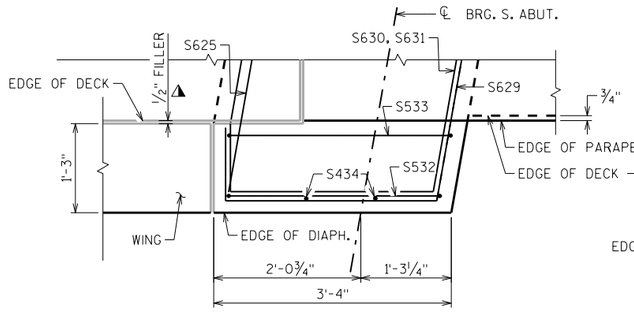
1022-07-76

○ INDICATES GIRDER NUMBER

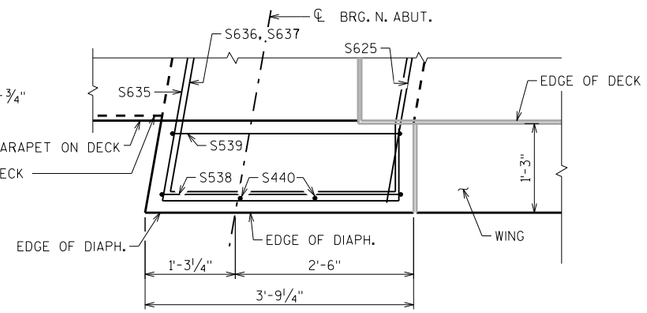


CROSS SECTION THRU ROADWAY

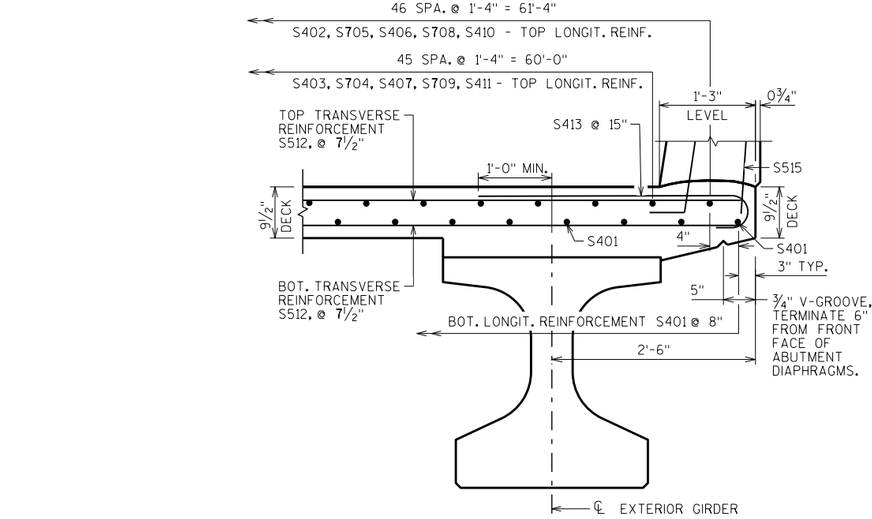
(LOOKING EAST)



TYPICAL CORNER DETAIL AT WINGS 1&3 (PLAN VIEW)

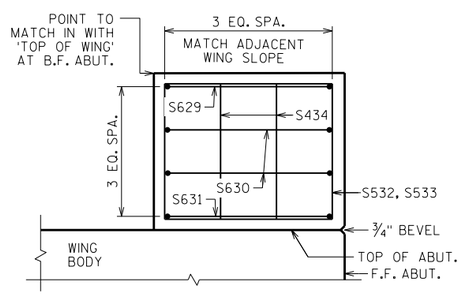


TYPICAL CORNER DETAIL AT WINGS 2&4 (PLAN VIEW)

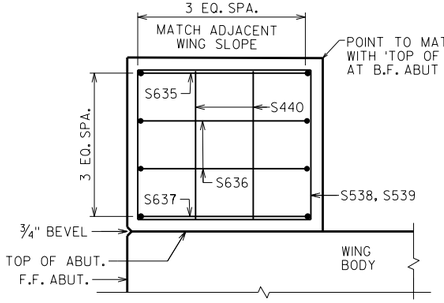


DECK STEEL DETAIL

(TYP. AT BOTH EDGES)



TYPICAL CORNER DETAIL AT WINGS 1&3 (ELEVATION VIEW LOOKING AT F.F. WING)

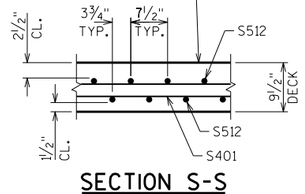


TYPICAL CORNER DETAIL AT WINGS 2&4 (ELEVATION VIEW LOOKING AT F.F. WING)

** BARS PLACED PARALLEL TO GIRDERS. SPACING PERPENDICULAR TO GIRDERS

⚠ 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).

S402, S403, S704, S705, S406, S407, S708, S709, S410, S411



SECTION S-S

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-245

DRAWN BY JJS | PLANS CK'D. NAR

SUPERSTRUCTURE CROSS SECTION

SHEET 15

772

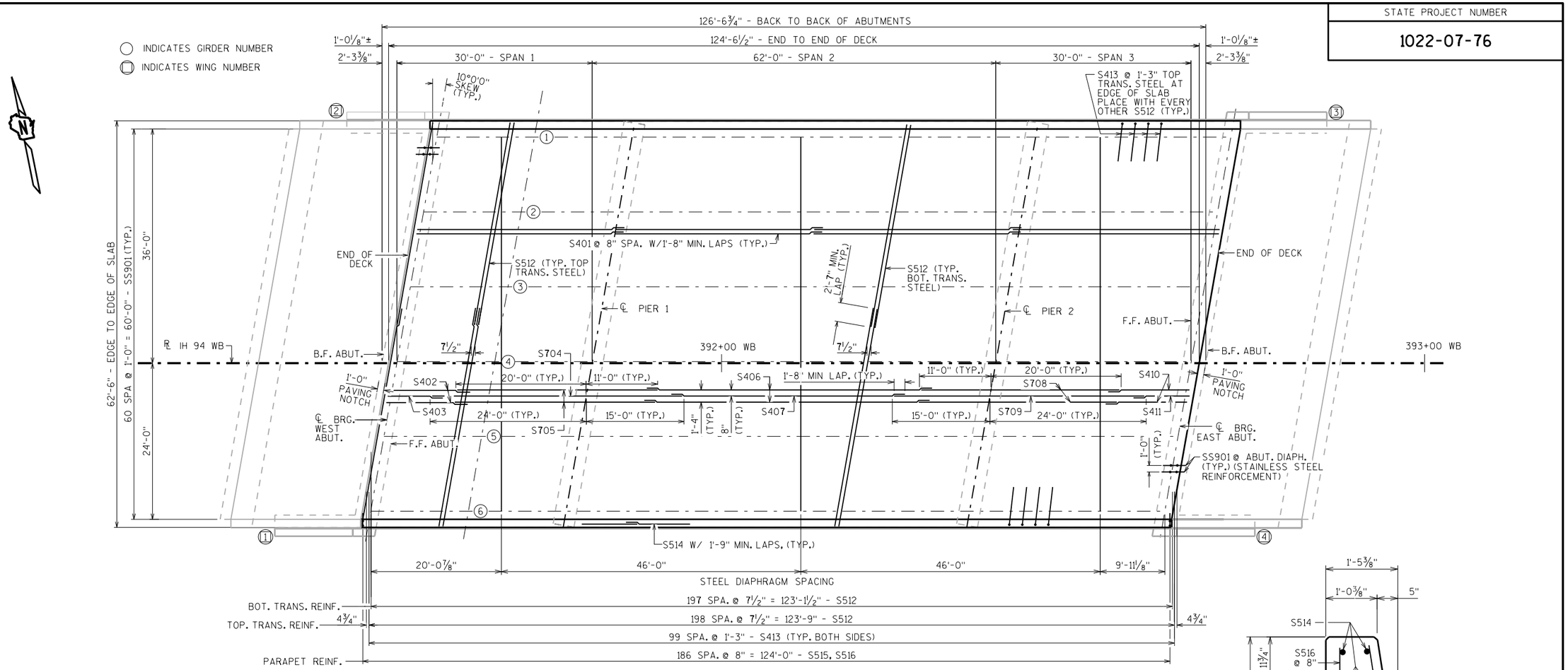
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STATE PROJECT NUMBER

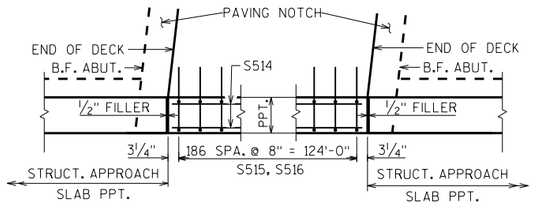
1022-07-76



PLAN

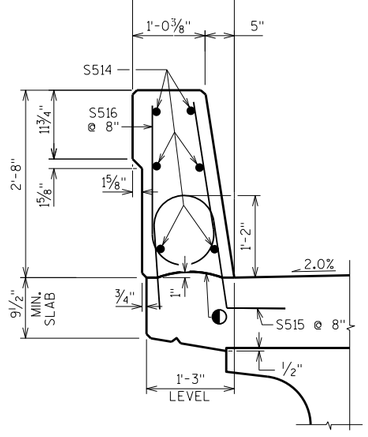
TOP OF DECK ELEVATIONS

	℄ BRG. W. ABUT.	1/10 PT.	2/10 PT.	3/10 PT.	4/10 PT.	5/10 PT.	6/10 PT.	7/10 PT.	8/10 PT.	9/10 PT.	℄ BRG. PIER 1
NORTH END	1215.61	1215.63	1215.64	1215.66	1215.67	1215.69	1215.70	1215.72	1215.73	1215.75	1215.76
GIRDER 1	1215.63	1215.65	1215.66	1215.68	1215.69	1215.71	1215.72	1215.74	1215.75	1215.77	1215.78
GIRDER 2	1215.85	1215.87	1215.88	1215.90	1215.91	1215.93	1215.94	1215.96	1215.97	1215.99	1216.00
GIRDER 3	1216.07	1216.09	1216.10	1216.12	1216.13	1216.15	1216.16	1216.18	1216.19	1216.21	1216.22
GIRDER 4	1216.29	1216.31	1216.32	1216.34	1216.35	1216.37	1216.38	1216.40	1216.41	1216.43	1216.44
CROWN PT. PGL	1216.29	1216.31	1216.33	1216.34	1216.36	1216.37	1216.39	1216.40	1216.42	1216.43	1216.45
GIRDER 5	1216.06	1216.07	1216.09	1216.11	1216.12	1216.14	1216.15	1216.17	1216.18	1216.20	1216.21
GIRDER 6	1215.82	1215.83	1215.85	1215.87	1215.88	1215.90	1215.91	1215.93	1215.94	1215.96	1215.97
SOUTH END	1215.79	1215.81	1215.82	1215.84	1215.85	1215.87	1215.89	1215.90	1215.92	1215.93	1215.95



PARTIAL PLAN DETAIL OF PARAPET REINF.

(SHOWING S.W. & S.E. CORNERS - DETAIL TYP. @ BOTH SIDES OF SUPERSTRUCTURE)



SECTION THRU PARAPET ON BRIDGE

	℄ BRG. PIER 1	1/10 PT.	2/10 PT.	3/10 PT.	4/10 PT.	5/10 PT.	6/10 PT.	7/10 PT.	8/10 PT.	9/10 PT.	℄ BRG. PIER 2	1/10 PT.	2/10 PT.	3/10 PT.	4/10 PT.	5/10 PT.	6/10 PT.	7/10 PT.	8/10 PT.	9/10 PT.	℄ BRG. E. ABUT.
NORTH END	1215.76	1215.79	1215.82	1215.84	1215.87	1215.90	1215.92	1215.95	1215.97	1215.99	1216.01	1216.03	1216.04	1216.05	1216.06	1216.07	1216.07	1216.08	1216.09	1216.10	1216.11
GIRDER 1	1215.78	1215.81	1215.84	1215.87	1215.89	1215.92	1215.95	1215.97	1215.99	1216.02	1216.04	1216.05	1216.06	1216.07	1216.08	1216.09	1216.10	1216.11	1216.12	1216.13	1216.13
GIRDER 2	1216.00	1216.03	1216.06	1216.09	1216.12	1216.14	1216.17	1216.19	1216.22	1216.24	1216.26	1216.28	1216.29	1216.30	1216.31	1216.32	1216.33	1216.34	1216.35	1216.36	1216.36
GIRDER 3	1216.22	1216.25	1216.28	1216.31	1216.34	1216.36	1216.39	1216.41	1216.44	1216.46	1216.48	1216.49	1216.51	1216.52	1216.53	1216.54	1216.55	1216.55	1216.56	1216.57	1216.58
GIRDER 4	1216.44	1216.47	1216.50	1216.53	1216.56	1216.58	1216.61	1216.64	1216.66	1216.68	1216.71	1216.72	1216.73	1216.74	1216.75	1216.76	1216.77	1216.78	1216.79	1216.80	1216.81
CROWN PT. PGL	1216.45	1216.48	1216.51	1216.54	1216.56	1216.59	1216.62	1216.64	1216.66	1216.69	1216.71	1216.72	1216.73	1216.74	1216.75	1216.76	1216.77	1216.78	1216.79	1216.80	1216.81
GIRDER 5	1216.21	1216.24	1216.27	1216.30	1216.33	1216.36	1216.38	1216.41	1216.43	1216.46	1216.48	1216.49	1216.50	1216.51	1216.52	1216.53	1216.54	1216.55	1216.56	1216.57	1216.58
GIRDER 6	1215.97	1216.00	1216.03	1216.06	1216.09	1216.12	1216.14	1216.17	1216.19	1216.22	1216.24	1216.25	1216.26	1216.27	1216.28	1216.30	1216.31	1216.32	1216.32	1216.33	1216.34
SOUTH END	1215.95	1215.98	1216.01	1216.04	1216.06	1216.09	1216.12	1216.14	1216.17	1216.19	1216.22	1216.23	1216.24	1216.25	1216.26	1216.27	1216.28	1216.29	1216.30	1216.31	1216.32

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-245

DRAWN BY JJS | PLANS CK'D. NAR

SUPERSTRUCTURE

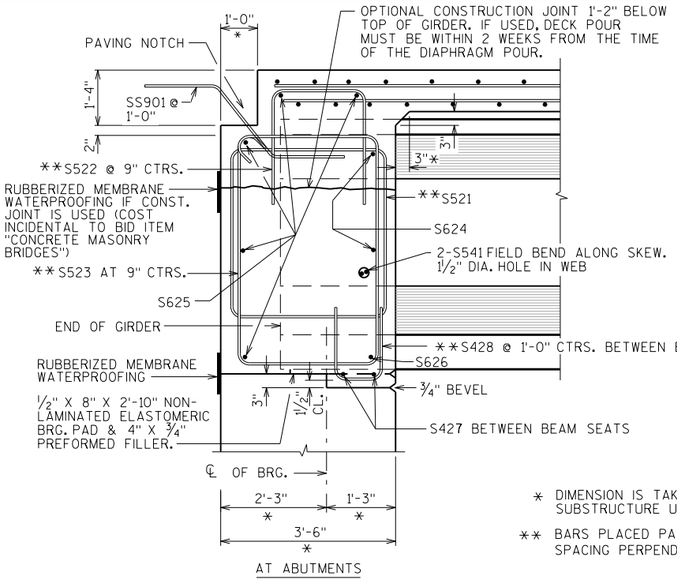
SHEET 16

773

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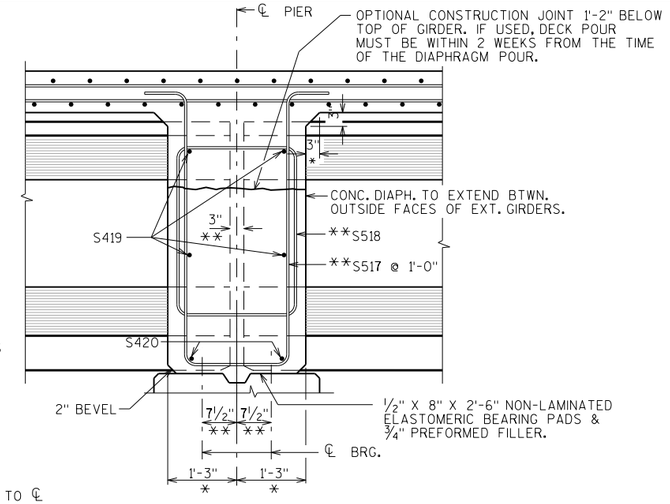
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AT ABUTMENTS

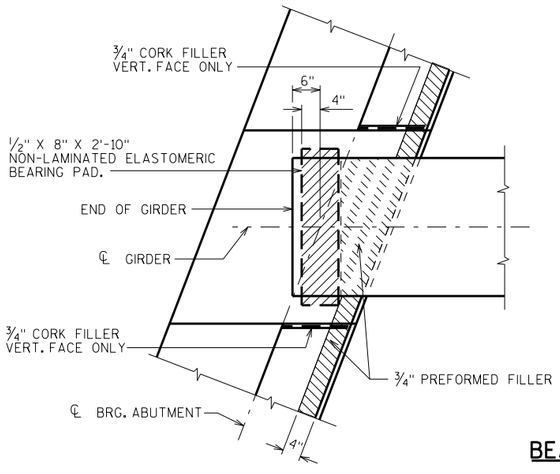
PART LONGIT. SECTION



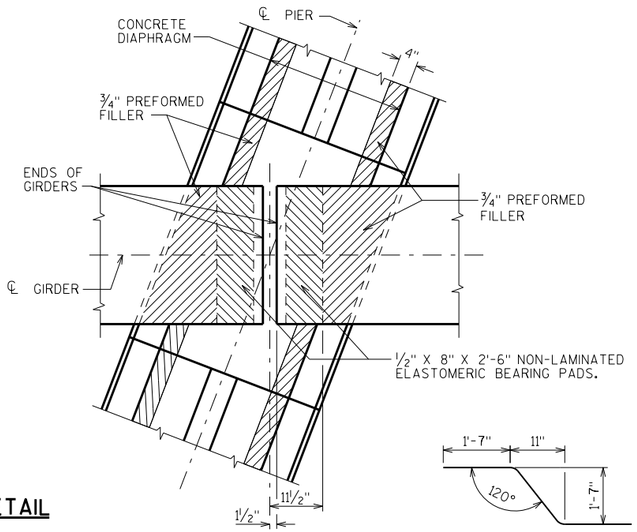
AT PIER DIAPHRAGM

* DIMENSION IS TAKEN NORMAL TO ℄ SUBSTRUCTURE UNITS.

** BARS PLACED PARALLEL TO GIRDERS SPACING PERPENDICULAR TO ℄ GIRDERS



BEARING PAD DETAIL



SS901

STATE PROJECT NUMBER

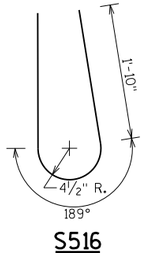
1022-07-76

BILL OF BARS

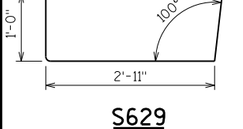
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
S401	X	376	32'-6"		BOT. LONGIT.
S402	X	47	13'-0"		TOP LONGIT. WEST END
S403	X	46	8'-9"		TOP LONGIT. WEST END
S704	X	46	39'-0"		TOP LONGIT. SPAN 1/2 OVER PIER 1
S705	X	47	31'-0"		TOP LONGIT. SPAN 1/2 OVER PIER 1
S406	X	47	43'-4"		TOP LONGIT. SPAN 2
S407	X	46	35'-4"		TOP LONGIT. SPAN 2
S708	X	47	31'-0"		TOP LONGIT. SPAN 2/3 OVER PIER 2
S709	X	46	39'-0"		TOP LONGIT. SPAN 2/3 OVER PIER 2
S410	X	47	13'-0"		TOP LONGIT. EAST END
S411	X	46	8'-9"		TOP LONGIT. EAST END
S512	X	794	33'-0"		TRANS. TOP AND BOT.
S413	X	200	4'-0"	X	TRANS. TOP BOTH EDGES OF DECK
S514	X	36	43'-6"		PARAPETS-BOTH FACES-HORIZ.-LONGIT.-AT BOTH SIDES
S515	X	374	4'-5"	X	PARAPETS/SLAB-VERTICAL-TRANSVERSE-AT BOTH SIDES
S516	X	374	5'-0"	X	PARAPETS-VERTICAL-TRANSVERSE-AT BOTH SIDES
S517	X	90	10'-3"	X	PIER 1 & 2 DIAPHS. VERT.
S518	X	20	8'-1"	X	PIER 1 & 2 DIAPHS. VERT.
S419	X	80	6'-2"		PIER 1 & 2 DIAPHS. HORIZ.
S420	X	40	5'-0"		PIER 1 & 2 DIAPHS. HORIZ.
S521	X	24	10'-1"	X	ABUT. DIAPH. - VERT. UNDER GIRDER FLANGES
S522	X	128	7'-4"	X	ABUT. DIAPH. - VERT. ENDS-BTWN. GIRDERS
S523	X	128	11'-11"	X	ABUT. DIAPH. - VERT. ENDS-BTWN. GIRDERS
S624	X	40	6'-3"		ABUT. DIAPH. - HORIZ. BTWN. GIRDERS
S625	X	20	34'-10"		ABUT. DIAPH. B.F. WALL - HORIZ.
S626	X	10	8'-10"		ABUT. DIAPH. - HORIZ. BTWN. GIRDERS
S427	X	20	7'-9"		ABUT. DIAPH. - HORIZ. BTWN. GIRDERS
S428	X	90	3'-6"	X	ABUT. DIAPH. - VERT. BTWN. GIRDERS
S629	X	2	6'-9"	X	ABUT. DIAPH. - HORIZ. ENDS WINGS 1 AND 3
S630	X	4	10'-4"	X	ABUT. DIAPH. - HORIZ. ENDS WINGS 1 AND 3
S631	X	2	9'-0"	X	ABUT. DIAPH. - HORIZ. ENDS WINGS 1 AND 3
S532	X	2	14'-2"	X	ABUT. DIAPH. - VERT. ENDS WINGS 1 AND 3
S533	X	2	14'-5"	X	ABUT. DIAPH. - VERT. ENDS WINGS 1 AND 3
S434	X	4	3'-7"		ABUT. DIAPH. - VERT. ENDS WINGS 1 AND 3
S635	X	2	7'-2"	X	ABUT. DIAPH. - HORIZ. ENDS WINGS 2 AND 4
S636	X	4	10'-9"	X	ABUT. DIAPH. - HORIZ. ENDS WINGS 2 AND 4
S637	X	2	9'-1"	X	ABUT. DIAPH. - HORIZ. ENDS WINGS 2 AND 4
S538	X	2	14'-10"	X	ABUT. DIAPH. - VERT. ENDS WINGS 2 AND 4
S539	X	2	14'-7"	X	ABUT. DIAPH. - VERT. ENDS WINGS 2 AND 4
S440	X	4	3'-7"		ABUT. DIAPH. - VERT. ENDS WINGS 2 AND 4
S541	X	24	6'-0"		ABUT. DIAPH. - HORIZ. THRU GIRDER
SS901		126	5'-0"	X	APPROACH SLAB-HORIZ.-LONGIT.-AT PAVING NOTCHES

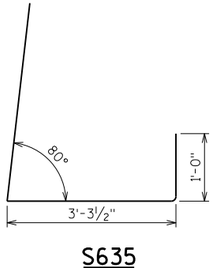
STAINLESS STEEL REINFORCEMENT



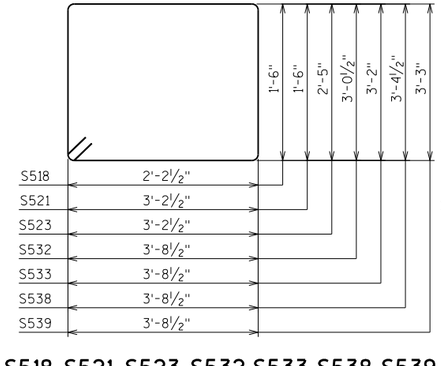
S516



S629

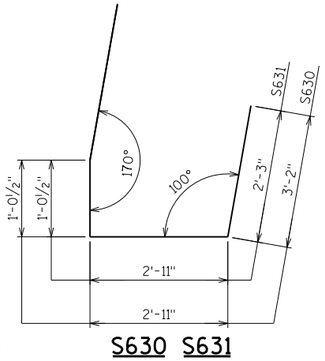


S635

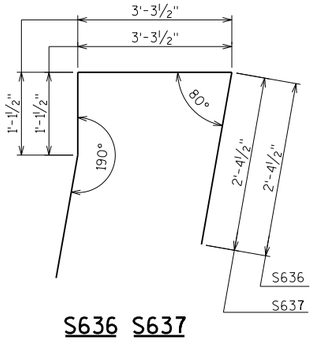


S518 S521 S523 S532 S533 S538 S539

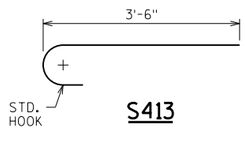
(STIRRUP BARS)



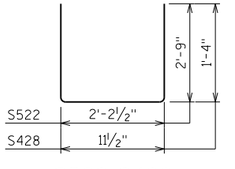
S630 S631



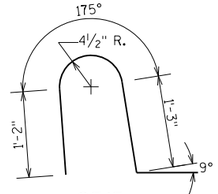
S636 S637



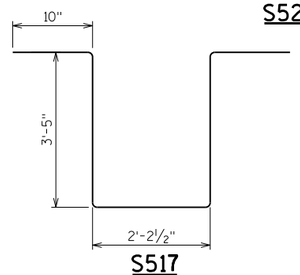
S413



S522 S428



S515



S517

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-245

DRAWN BY JJS | PLANS CK'D. NAR

SUPERSTRUCTURE DETAILS & BAR DETAILS

SHEET 17

774

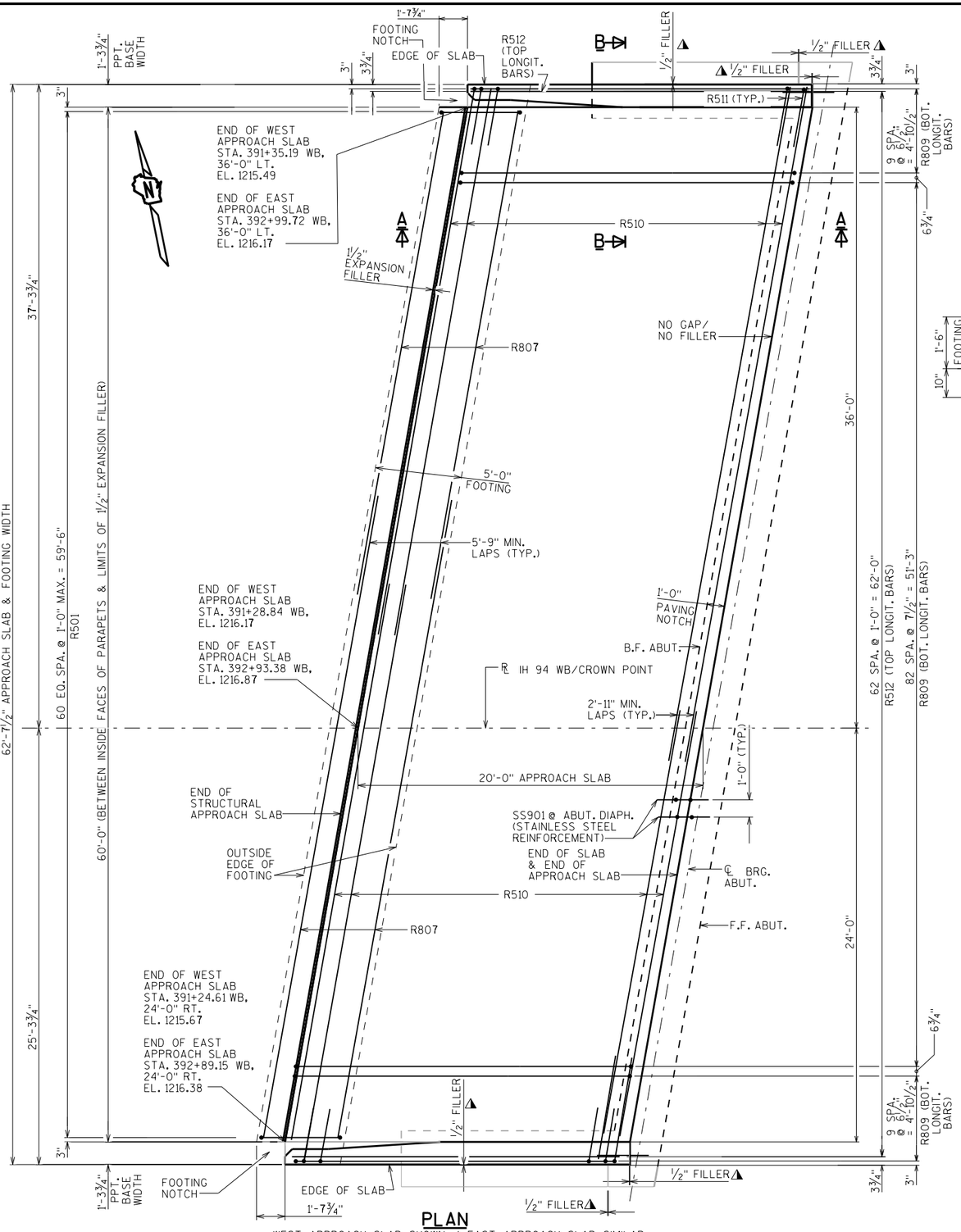
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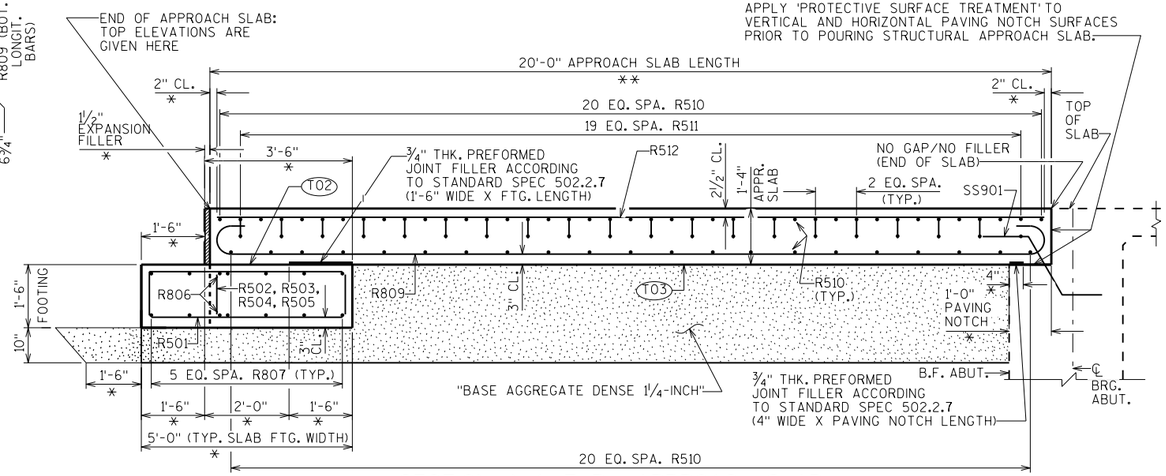
STATE PROJECT NUMBER

1022-07-76



PLAN

WEST APPROACH SLAB SHOWN / EAST APPROACH SLAB SIMILAR

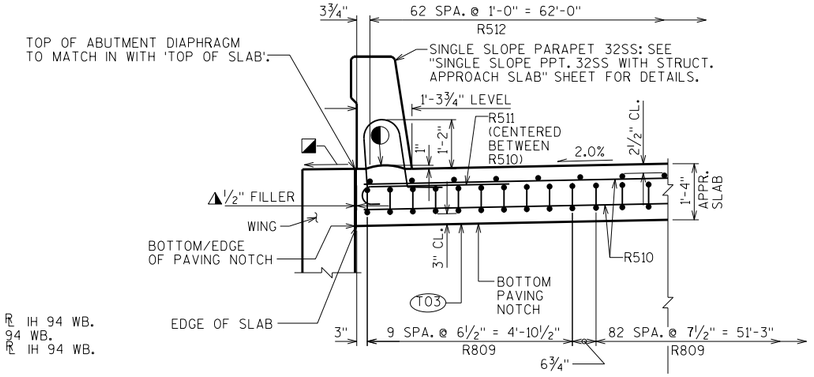


SECTION A-A THRU APPROACH SLAB

WEST APPROACH SLAB SHOWN / EAST APPROACH SLAB SIMILAR

(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF FOOTING.

(T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF SUBGRADE BENEATH SLAB.



SECTION B-B (EDGE OF SLAB DETAIL)

*DIMENSION IS TAKEN NORMAL TO ℄ BRG. ABUTS.

**DIMENSION IS TAKEN PARALLEL TO ℄ IH 94 WB. BARS PLACED PARALLEL TO ℄ IH 94 WB. BARS SPACING PERPENDICULAR TO ℄ IH 94 WB.

DESIGN DATA

ALLOWABLE SOIL BEARING PRESSURE: 2,000 P.S.F.

THE EXISTING SOIL MAY REMAIN IN PLACE IF THE REGION SOILS ENGINEER DETERMINES THAT THE EXISTING SOIL BEARING PRESSURE MEETS THE REQUIREMENT ABOVE.

◪ FINISH SMOOTH - SLOPE TO DRAIN

◐ 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.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-245

DRAWN BY JJS | PLANS CK'D. NAR

STRUCTURAL APPROACH SLABS

SHEET 18

775

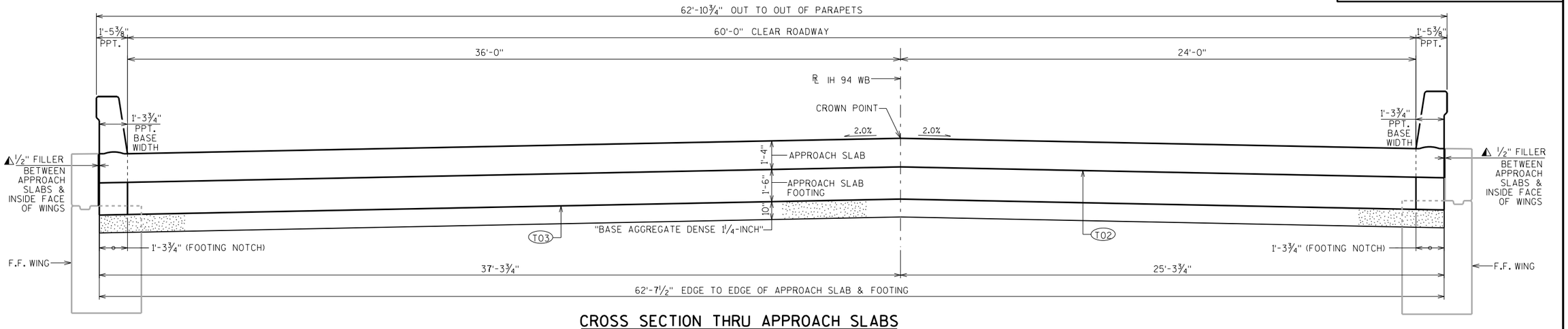
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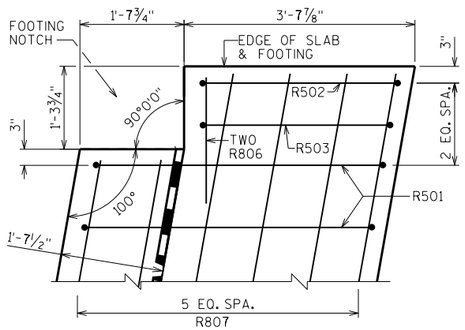
STATE PROJECT NUMBER

1022-07-76

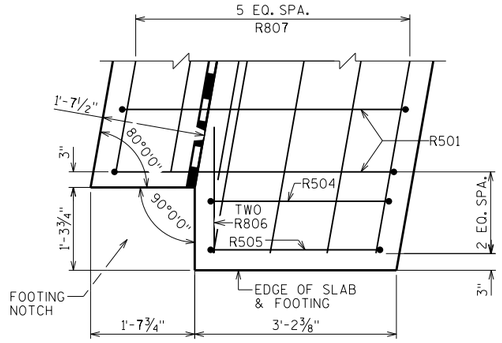


CROSS SECTION THRU APPROACH SLABS

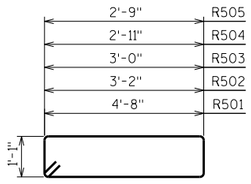
(LOOKING EAST)
(CROSS SECTION PERPENDICULAR TO ℄ IH 94 WB)



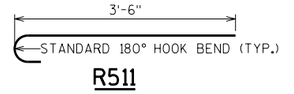
SLAB FOOTING PLAN DETAIL @ NW & SE CORNERS



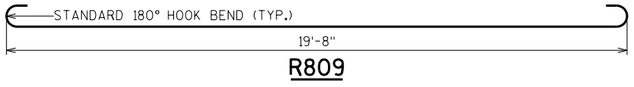
SLAB FOOTING PLAN DETAIL @ SW & NE CORNERS



R501 R502 R503
R504 R505



R511



R809

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	LOCATION
R501	X	61	61	12'-2"	X	FOOTING-VERTICAL-LONGITUDINAL-STIRRUP BAR-AT CENTER
R502	X	1	1	9'-2"	X	FOOTING-VERTICAL-LONGITUDINAL-STIRRUP BAR-AT WINGS 2&4 ENDS ONLY
R503	X	1	1	8'-10"	X	FOOTING-VERTICAL-LONGITUDINAL-STIRRUP BAR-AT WINGS 2&4 ENDS ONLY
R504	X	1	1	8'-8"	X	FOOTING-VERTICAL-LONGITUDINAL-STIRRUP BAR-AT WINGS 1&3 ENDS ONLY
R505	X	1	1	8'-4"	X	FOOTING-VERTICAL-LONGITUDINAL-STIRRUP BAR-AT WINGS 1&3 ENDS ONLY
R806	X	4	4	2'-0"		FOOTING-TOP & BOTTOM-HORIZONTAL-TRANSVERSE-AT ENDS ONLY
R807	X	24	24	34'-6"		FOOTING-TOP & BOTTOM-HORIZONTAL-TRANSVERSE
NOT USED						
R809	X	103	103	21'-6"	X	SLAB-BOTTOM-VERTICAL-LONGITUDINAL
R510	X	84	84	33'-2"		SLAB-TOP & BOTTOM-HORIZONTAL-TRANSVERSE
R511	X	40	40	4'-1"	X	SLAB-TOP-VERTICAL-TRANSVERSE-AT BOTH EDGES
R512	X	63	63	19'-8"		SLAB-TOP-HORIZONTAL-LONGITUDINAL

T02 STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF 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-55-245

DRAWN BY JJS | PLANS CK'D. NAR

STRUCTURAL APPROACH SLAB & BAR DETAILS

SHEET 19

776

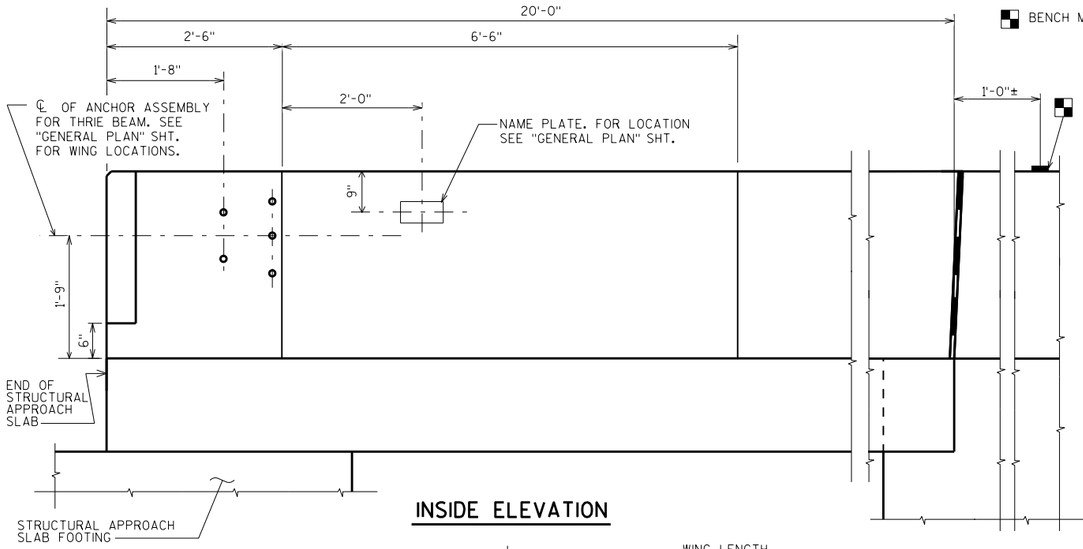
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8

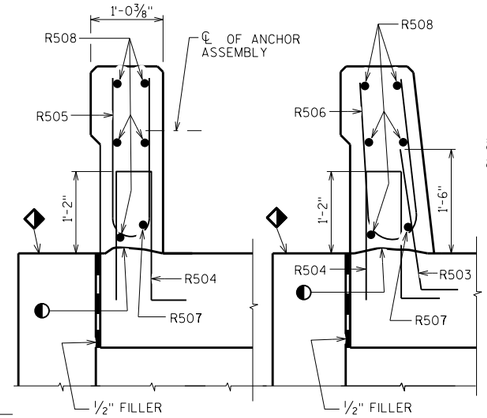
STATE PROJECT NUMBER

1022-07-76



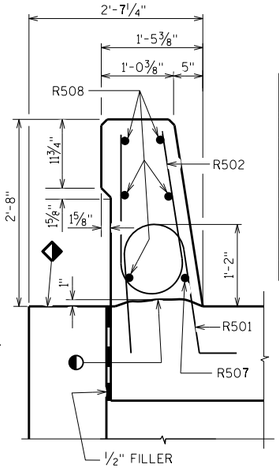
INSIDE ELEVATION

BENCH MARK CAP (WHEN SUPPLIED).



SECTION A

SECTION B

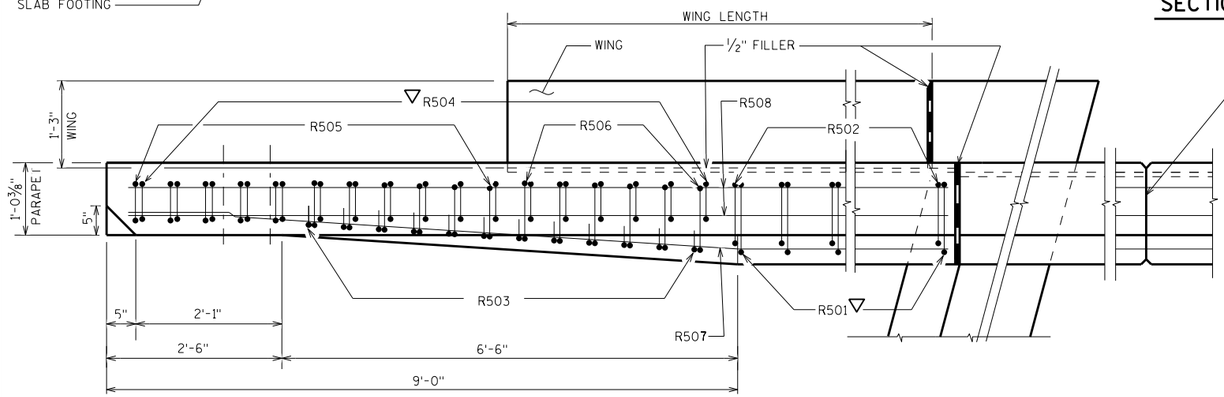


SECTION C

BILL OF BARS

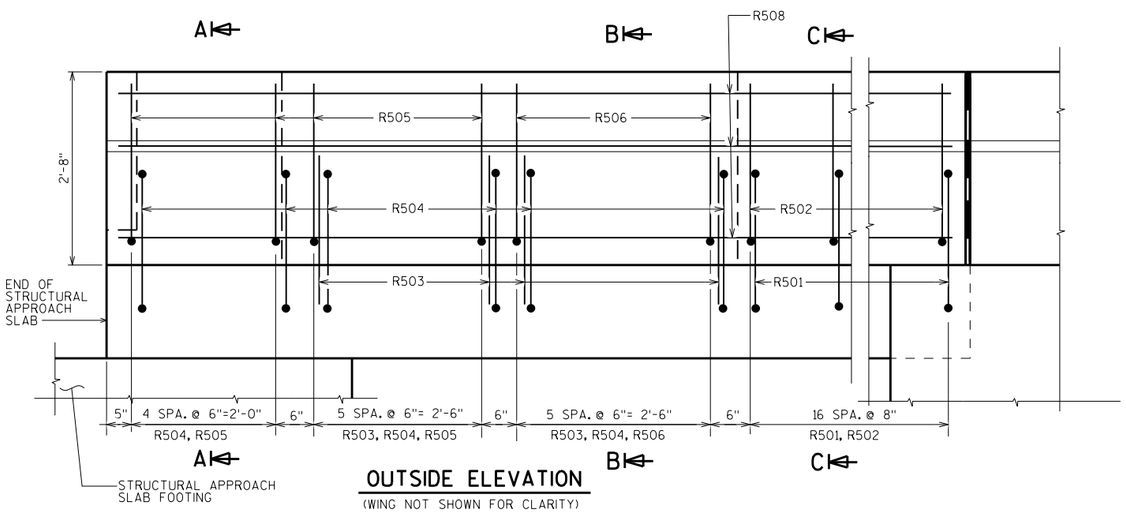
FOR STRUCTURAL APPROACH SLAB PARAPETS

BAR MARK	COAT	W. APP. ABUT.	E. APP. ABUT.	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	34	34	4'-5"	X		PARAPET VERT.
R502	X	34	34	5'-0"	X		PARAPET VERT.
R503	X	24	24	2'-9"	X		PARAPET VERT.
R504	X	34	34	4'-4"	X		PARAPET VERT.
R505	X	22	22	4'-9"	X		PARAPET VERT.
R506	X	12	12	4'-10"	X		PARAPET VERT.
R507	X	2	2	19'-6"	X		PARAPET HORIZ.
R508	X	10	10	19'-6"			PARAPET HORIZ.



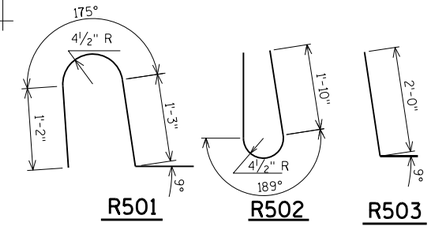
PLAN

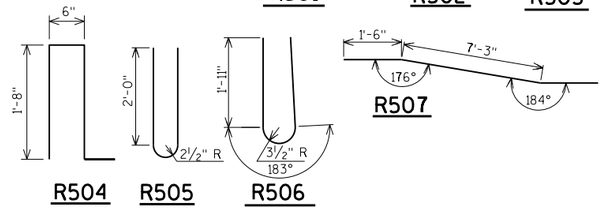
OPTIONAL CONSTRUCTION JOINTS IN THE PARAPETS MAY BE USED. RUN BAR REINF. THRU THE JOINT. LAP LONGIT. BARS A MIN. OF 1'-9". MIN. JOINT SPACING OF 80'-0". DEFINE CONST. JOINT WITH A ¾" - 'V' GROOVE.

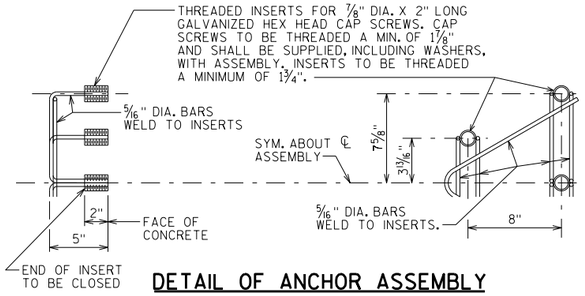


OUTSIDE ELEVATION

(WING NOT SHOWN FOR CLARITY)







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.

◆ SLOPE FOR DRAINAGE

◐ CONST. JOINT - STRIKE OFF AS SHOWN.

▽ R501 AND R504 BARS TO BE TIED TO STRUCTURAL APPROACH SLAB STEEL BEFORE STRUCTURAL APPROACH SLAB IS POURED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-245

DRAWN BY JJS | PLANS CK'D. NAR

SINGLE SLOPE PPT. 32SS WITH STRUCT. APPROACH SLAB

SHEET 20

777

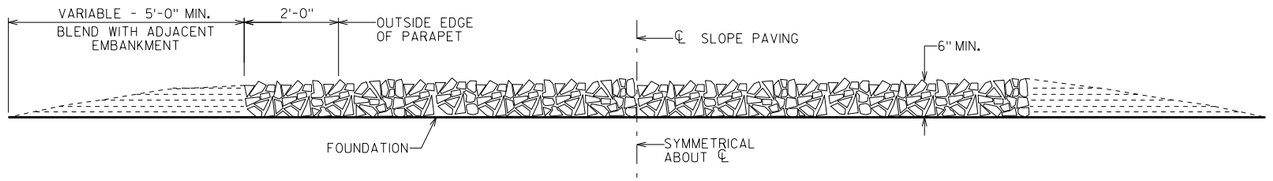
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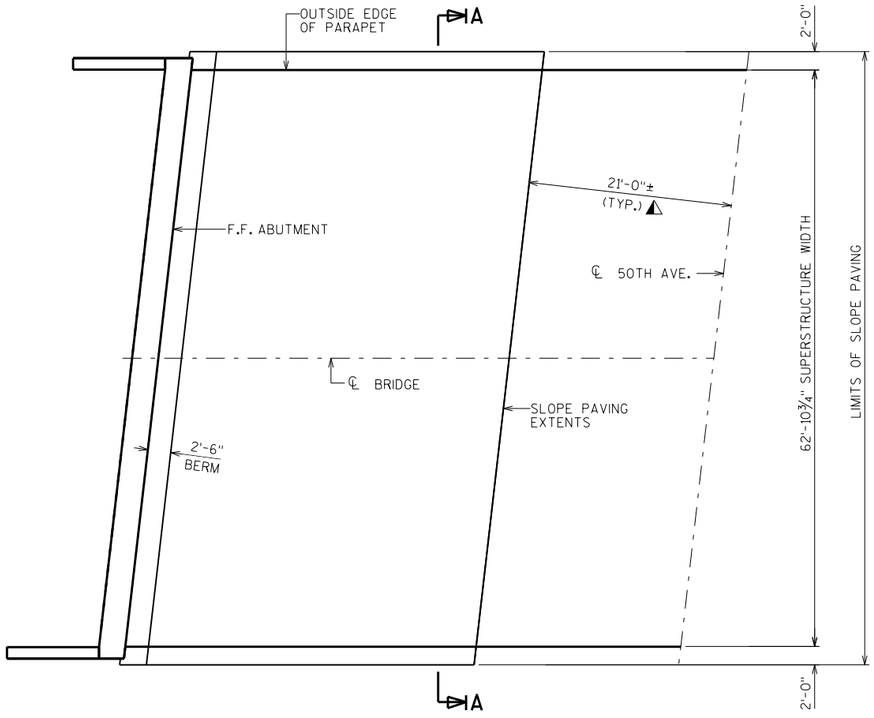
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STATE PROJECT NUMBER

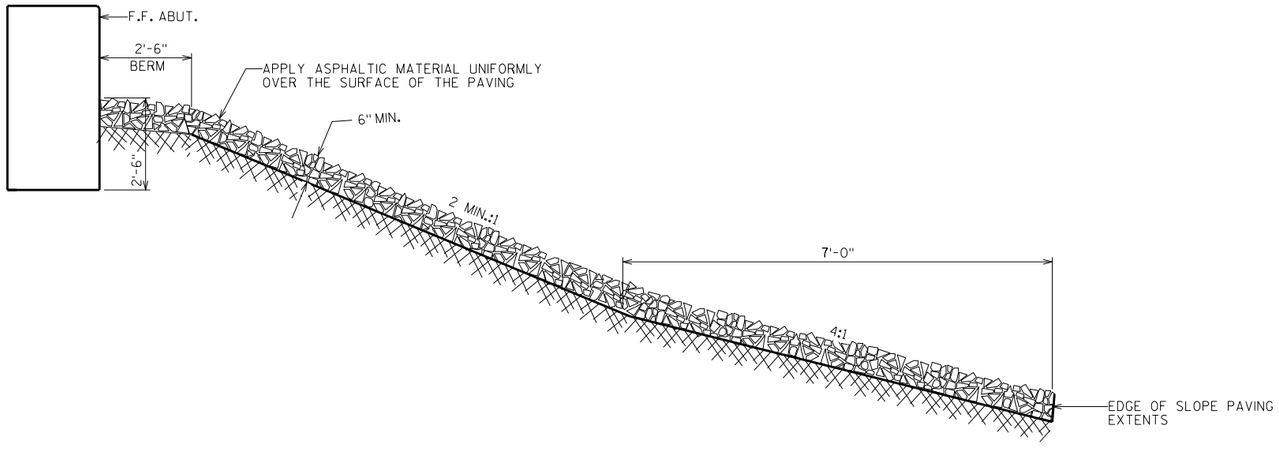
1022-07-76



SECTION A-A



PLAN



STANDARD CROSS SECTION THRU CRUSHED AGGREGATE

ROUND STONE WILL NOT BE ACCEPTED

8

8

⚠ MEASURED PERPENDICULAR TO ℄ 50TH AVE.

GENERAL NOTES

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

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-55-245

DRAWN BY JJS | PLANS CK'D. NAR

SLOPE PAVING, CRUSHED AGGREGATE

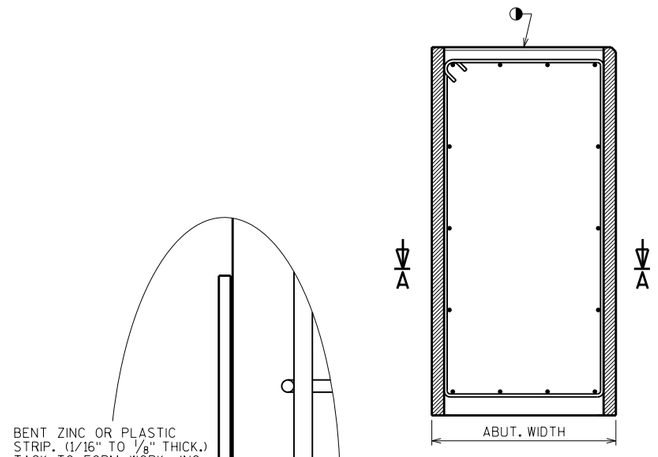
SHEET 21

778

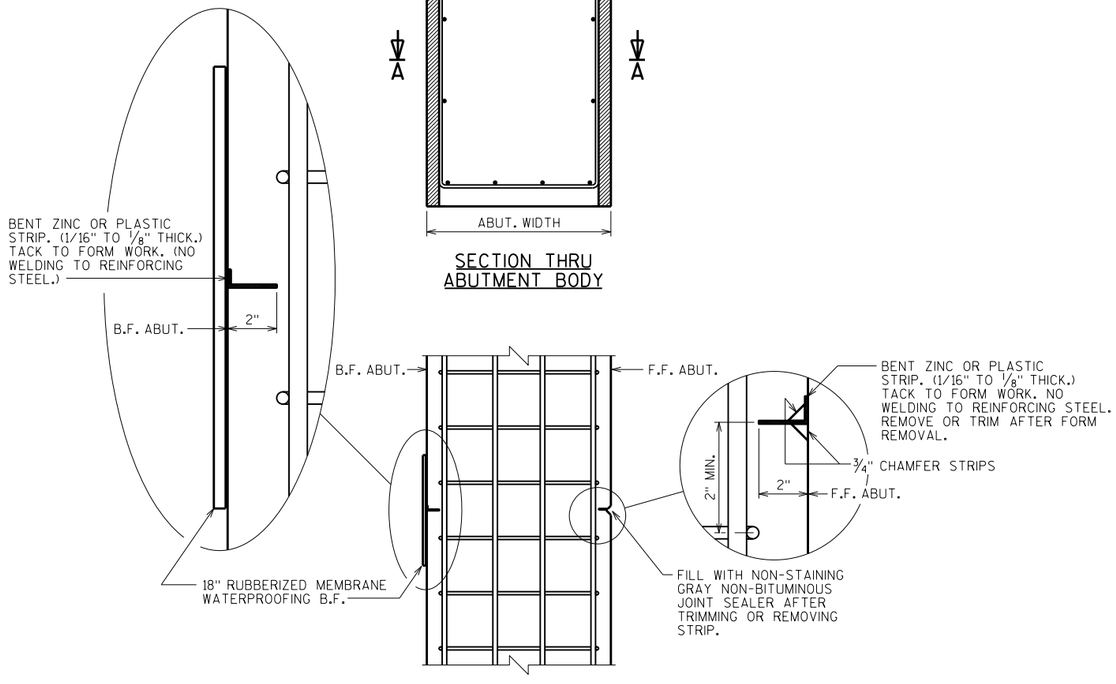
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STATE PROJECT NUMBER

1022-07-76



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-55-245

DRAWN BY JJS | PLANS CK'D. NAR

ALTERNATE CONSTRUCTION JOINT

SHEET 22

779

SCALE = 1.00

8

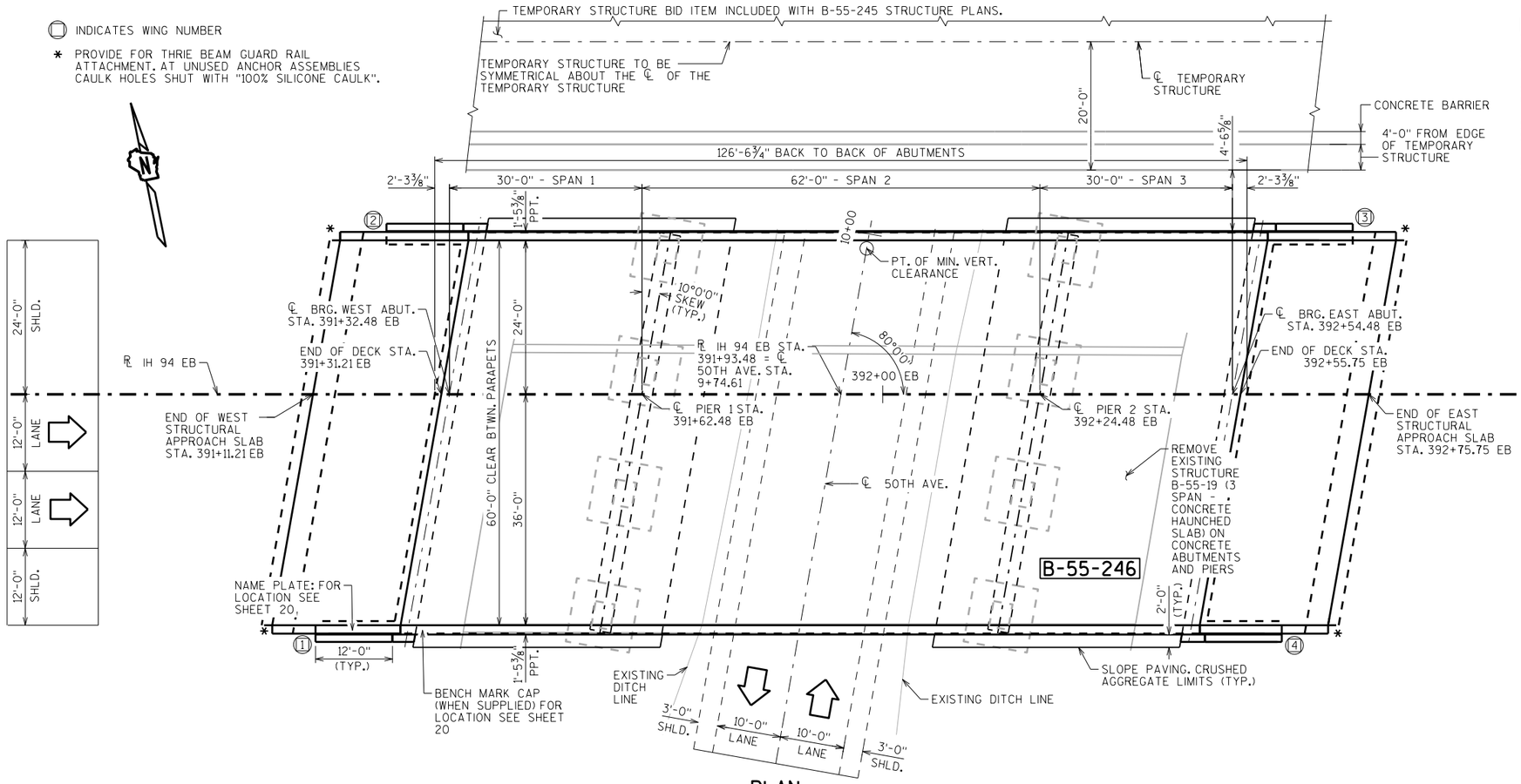
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STATE PROJECT NUMBER

1022-07-76

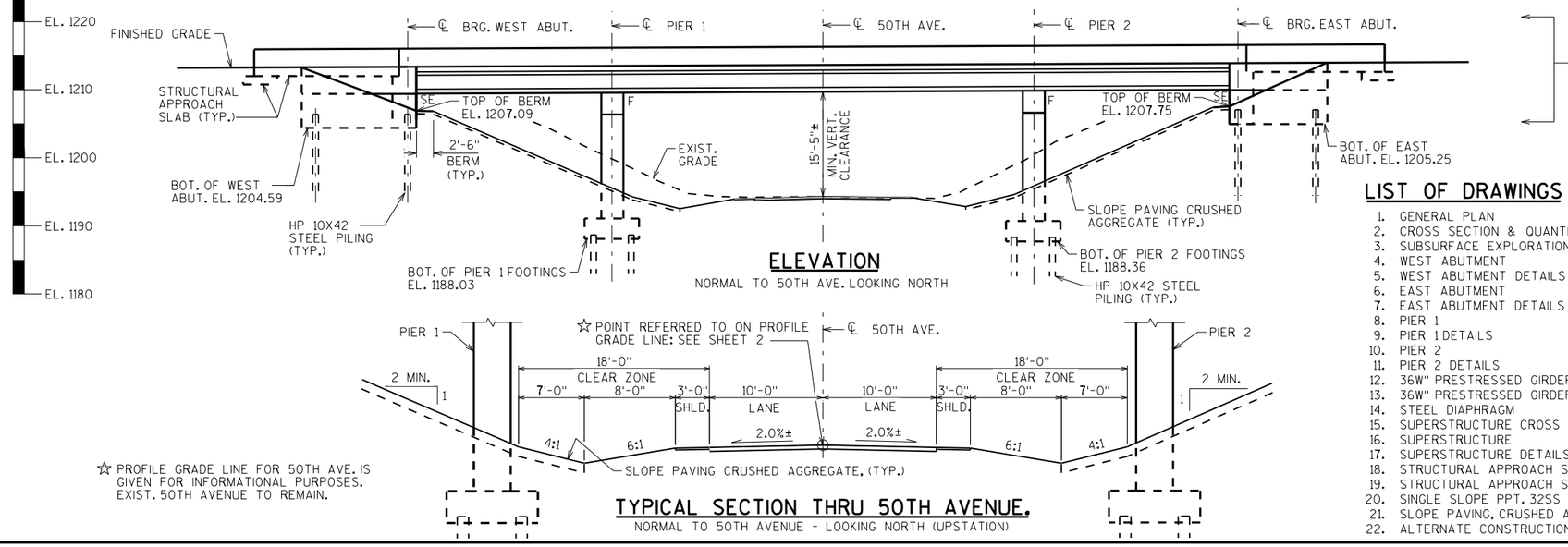
INDICATES WING NUMBER

* PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT. AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".



PLAN

3 SPAN - 36W" PRESTRESSED GIRDER



ELEVATION

NORMAL TO 50TH AVE. LOOKING NORTH

☆ PROFILE GRADE LINE FOR 50TH AVE. IS GIVEN FOR INFORMATIONAL PURPOSES. EXIST. 50TH AVENUE TO REMAIN.

TYPICAL SECTION THRU 50TH AVENUE.

NORMAL TO 50TH AVENUE - LOOKING NORTH (UPSTATION)

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.10
OPERATING RATING FACTOR: RF = 1.43
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 — f'c = 4,000 P.S.I.
APPROACH SLAB
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.

36W" 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 HP 10X42 PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 145 TONS ✱✱ PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.

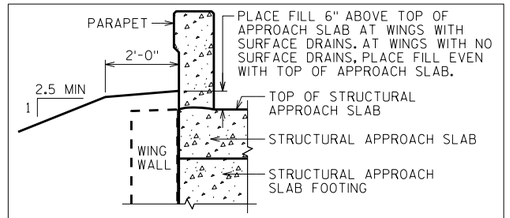
PIERS TO BE SUPPORTED ON HP 10X42 PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 180 TONS ✱✱ PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.

ESTIMATED 45'-0" LONG AT THE WEST ABUTMENT - WITH PILE POINTS
ESTIMATED 20'-0" LONG AT PIER 1 - WITH PILE POINTS
ESTIMATED 20'-0" LONG AT PIER 2 - WITH PILE POINTS
ESTIMATED 35'-0" LONG AT THE EAST ABUTMENT - WITH PILE POINTS

✱✱ THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

TRAFFIC VOLUME

IH 94 EB	50TH AVENUE
ADT = 45,000 (2039)	ADT = 135 (2039)
R.D.S. = 70 M.P.H.	R.D.S. = 60 M.P.H.



TYPICAL FILL SECTION AT END OF STRUCTURAL APPROACH SLABS

STRUCTURE DESIGN CONTACTS:

JOHN SENDOR (608) 266-5163
AARON BONK (608) 261-0261

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. PIER 1
9. PIER 1 DETAILS
10. PIER 2
11. PIER 2 DETAILS
12. 36W" PRESTRESSED GIRDER DETAILS 1
13. 36W" PRESTRESSED GIRDER DETAILS 2
14. STEEL DIAPHRAGM
15. SUPERSTRUCTURE CROSS SECTION
16. SUPERSTRUCTURE
17. SUPERSTRUCTURE DETAILS & BAR DETAILS
18. STRUCTURAL APPROACH SLABS
19. STRUCTURAL APPROACH SLAB & BAR DETAILS
20. SINGLE SLOPE PPT. 32SS WITH STRUCT. APPROACH SLAB
21. SLOPE PAVING, CRUSHED AGGREGATE
22. ALTERNATE CONSTRUCTION JOINT

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED William C. Dreher 8/1/18
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-55-246

IH 94 EB OVER 50TH AVENUE

COUNTY	TOWN
ST. CROIX	CADY

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	JJS	DESIGNED CK'D.	NAR	DRAWN BY	JJS	PLANS CK'D.	NAR

GENERAL PLAN

SHEET 1 OF 22

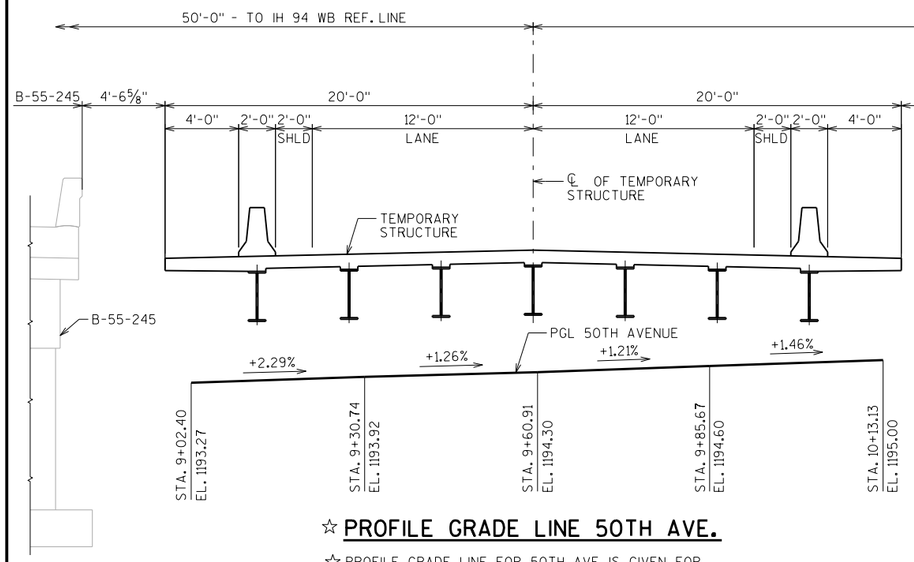
780

I.D. 1022-07-06H DATE: APR. 2018

SCALE = 10.00

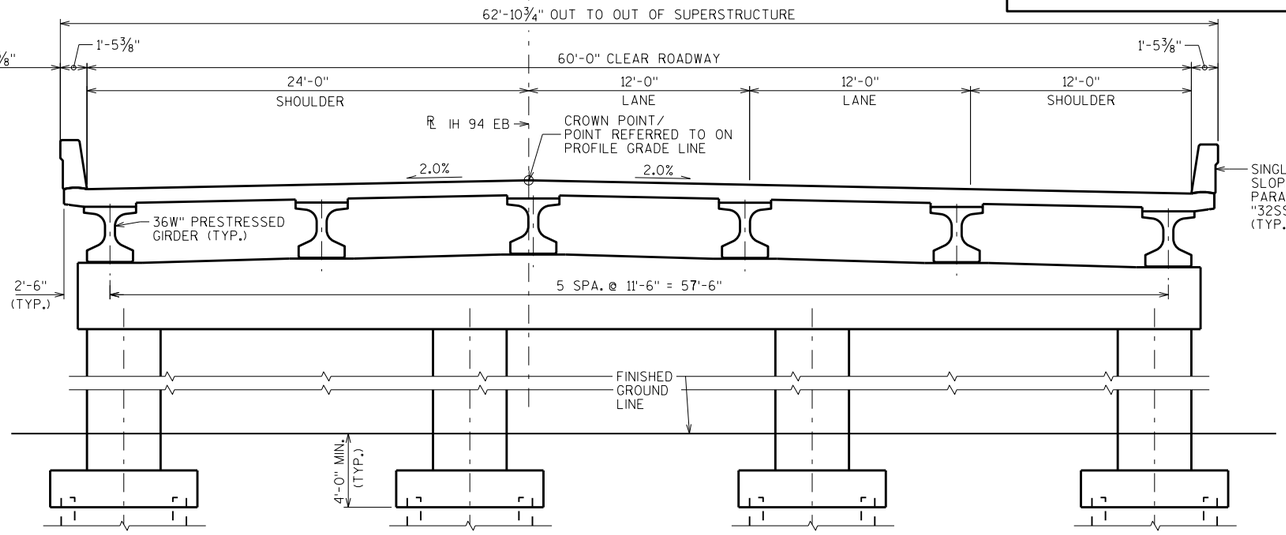
STATE PROJECT NUMBER

1022-07-76



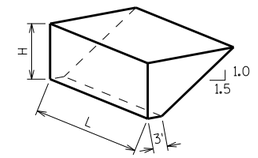
☆ PROFILE GRADE LINE 50TH AVE.

☆ PROFILE GRADE LINE FOR 50TH AVE. IS GIVEN FOR INFORMATIONAL PURPOSES. EXIST. 50TH AVE. TO REMAIN.



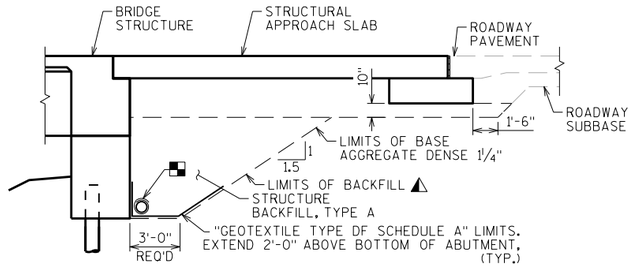
CROSS SECTION THRU ROADWAY

(LOOKING UPSTATION)



ABUTMENT BACKFILL DIAGRAM FOR WINGS PARALLEL TO ROADWAY

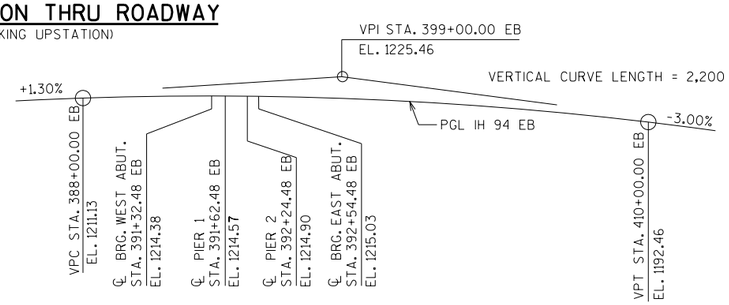
L = OUT TO OUT OF ABUTMENT, INCLUDING WINGS (FT)
H = AVERAGE ABUTMENT FILL HEIGHT (FT)
EF = EXPANSION FACTOR (1.20 FOR CY BID ITEMS AND 1.00 FOR TON BID ITEMS)
V_{CF} = (L)(3.0')(H) + (L)(0.5)(1.5H)(H)
V_{CY} = V_{CF} (EF)/27
V_{TON} = V_{CY} (2.0)



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. (SEE DETAIL ON "ABUTMENT DETAILS" SHEETS)



PROFILE GRADE LINE IH 94 EB

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	WEST APPROACH	WEST ABUT.	PIER 1	PIER 2	EAST ABUT.	EAST APPROACH	TOTALS
203.0200	REMOVING OLD STRUCTURE STA. 391+93.48 EB	LS	———	———	———	———	———	———	———	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-55-246	LS	———	———	———	———	———	———	———	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	———	———	205	———	———	205	———	410
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	———	205	———	———	———	———	205	410
502.0100	CONCRETE MASONRY BRIDGES	CY	353	83	64	100	100	64	83	847
502.3200	PROTECTIVE SURFACE TREATMENT	SY	865	135	———	———	———	———	135	1,135
502.3210	PIGMENTED SURFACE SEALER	SY	105	20	———	———	———	———	20	145
503.0137	PRESTRESSED GIRDER TYPE I 36W-INCH	LF	735	———	———	———	———	———	———	735
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	———	———	4,220	2,150	2,150	4,220	———	12,740
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	65,220	14,290	1,650	15,440	15,440	1,650	14,290	127,980
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	2,140	———	———	———	———	———	———	2,140
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	36	———	———	———	———	———	———	36
506.4000	STEEL DIAPHRAGMS B-55-246	EACH	15	———	———	———	———	———	———	15
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	———	———	18	———	———	18	———	36
550.0500	PILE POINTS	EACH	———	———	11	24	24	11	———	70
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF	———	———	495	480	480	385	———	1,840
604.0500	SLOPE PAVING CRUSHED AGGREGATE	SY	———	———	320	———	———	320	———	640
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	———	———	110	———	———	110	———	220
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	4	———	———	———	———	———	———	4
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	———	———	65	———	———	65	———	130
	NON-BID ITEMS		———	———	———	———	———	———	———	———
	FILLER	SIZE	———	———	———	———	———	———	———	½", ¾", 1½"

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.

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. ALSO EXCLUDED IS THE "BASE AGGREGATE DENSE 1 1/4-INCH" AS DETAILED ON THE STRUCTURAL APPROACH SLAB SHEETS.

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 PARAPET, INCLUDING PARAPETS ON STRUCTURAL 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 "36W PRESTRESSED GIRDER DETAILS 2" SHEET.

THE EXISTING GROUND LINE SHALL BE USED AS THE UPPER LIMITS OF EXCAVATION AT THE PIERS.

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.

TEMPORARY STRUCTURE BID ITEM IS LOCATED ON B-55-245 STRUCTURES PLAN SET.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-246

DRAWN BY JJS | PLANS CK'D. NAR

CROSS SECTION & QUANTITIES

SHEET 2

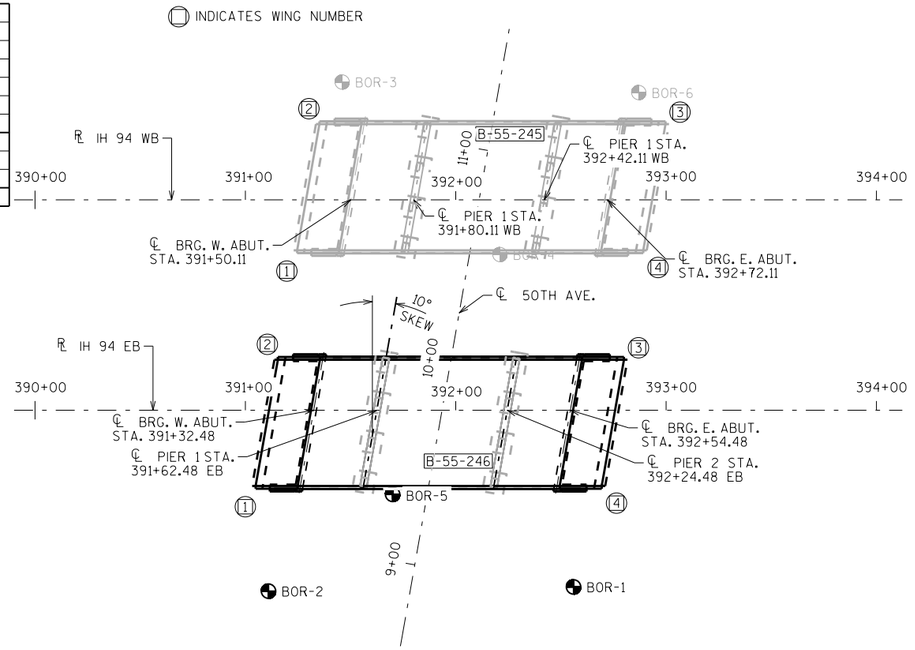
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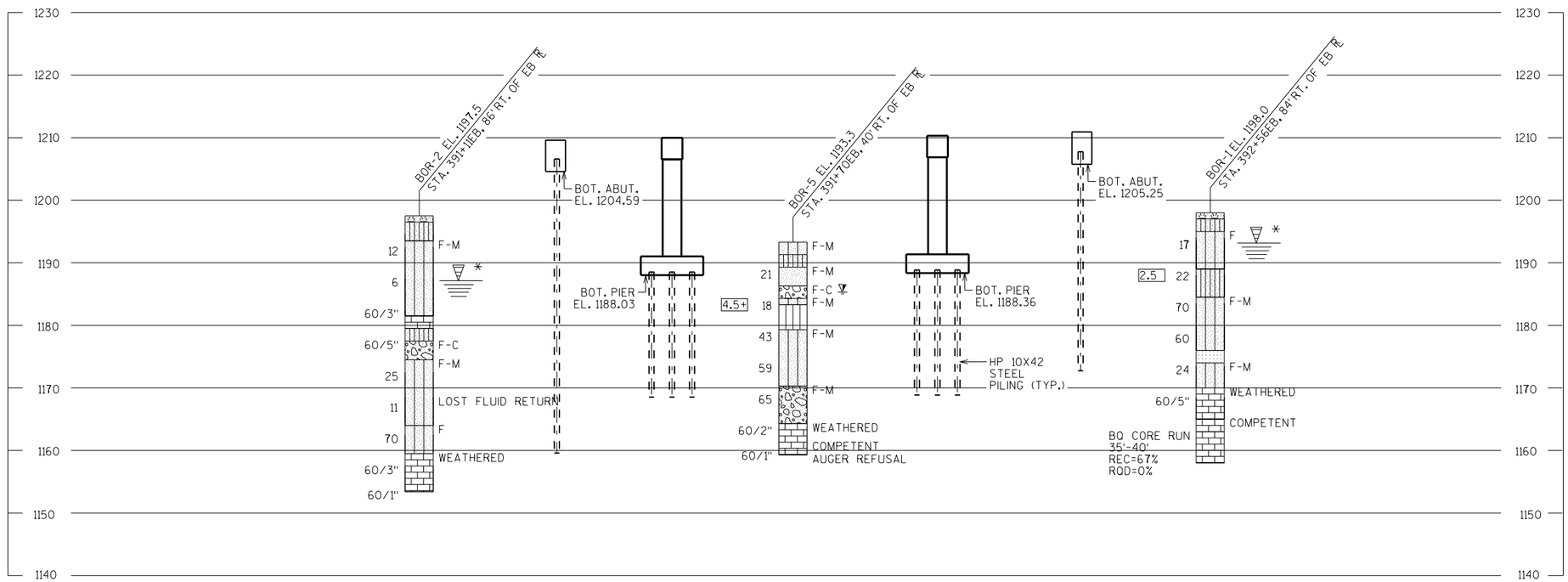
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8

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	10/25/2017	190633	104462
2	10/26/2017	190659	104319
3	10/31/2017	190890	104401
4	10/31/2017	190794	104459
5	10/31/2017	190693	104386
6	11/01/2017	190857	104538
BORINGS COMPLETED BY: WISDOT			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) DUNN COUNTY			
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT			





* THE GROUND WATER ELEVATION WAS DETERMINED FROM WHERE THE SOIL SAMPLE WAS DESCRIBED AS WET.

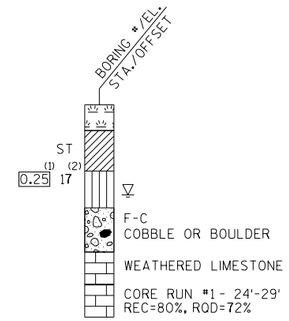
STATE PROJECT NUMBER

1022-07-76

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-55-246

DRAWN BY TLP/JJS | PLANS CK'D. NAR

SUBSURFACE EXPLORATION

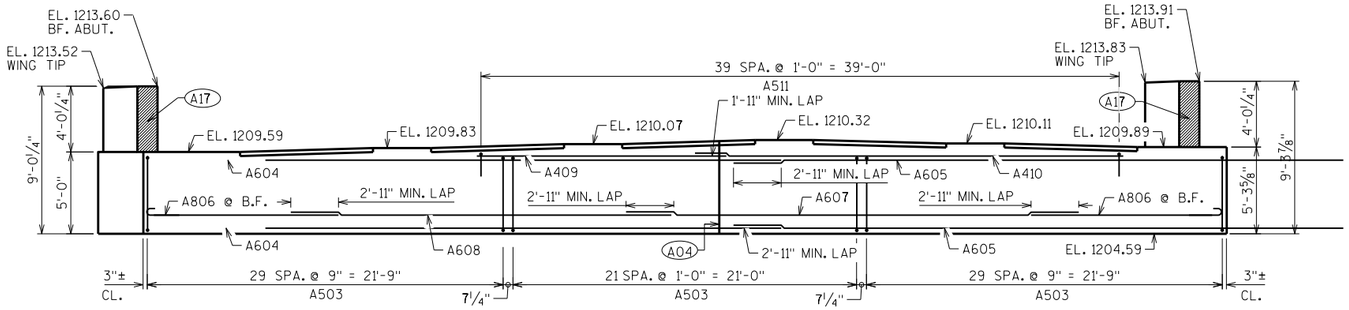
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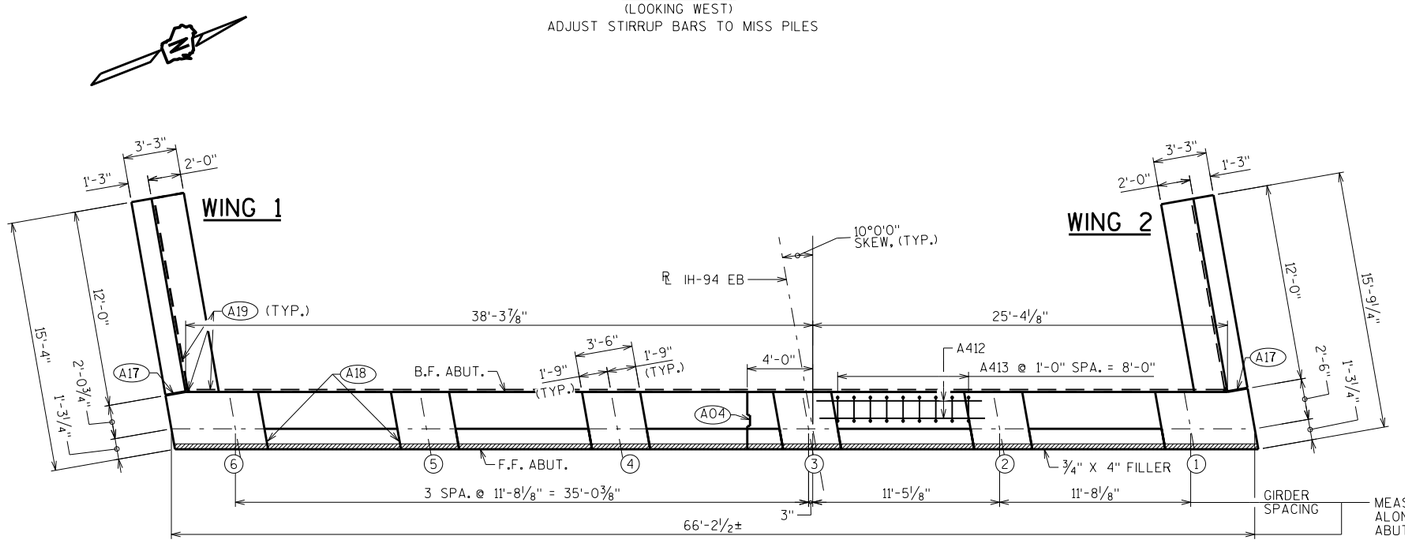
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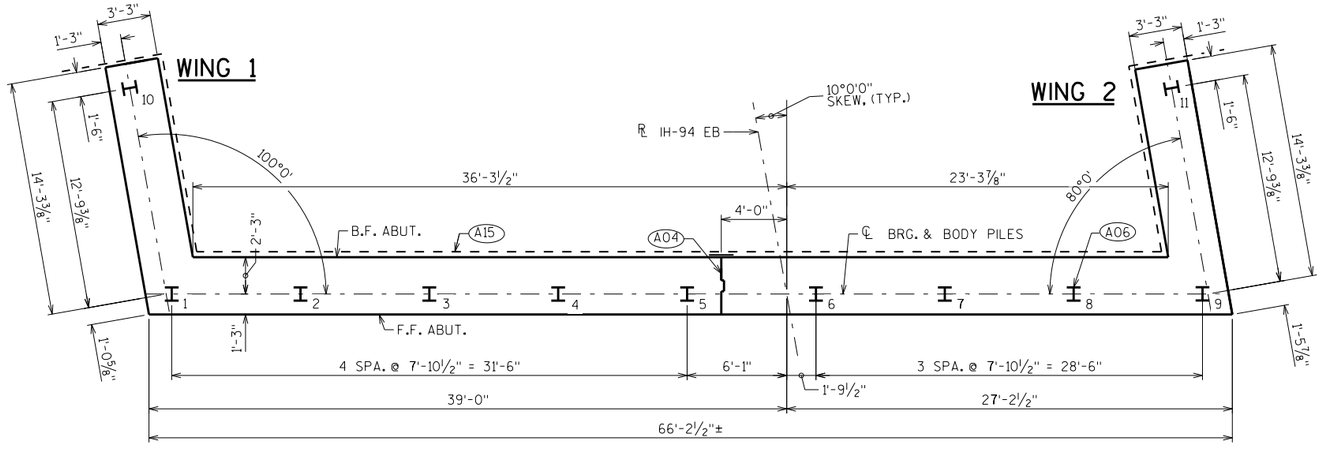
ELEVATION

(LOOKING WEST)

ADJUST STIRRUP BARS TO MISS PILES

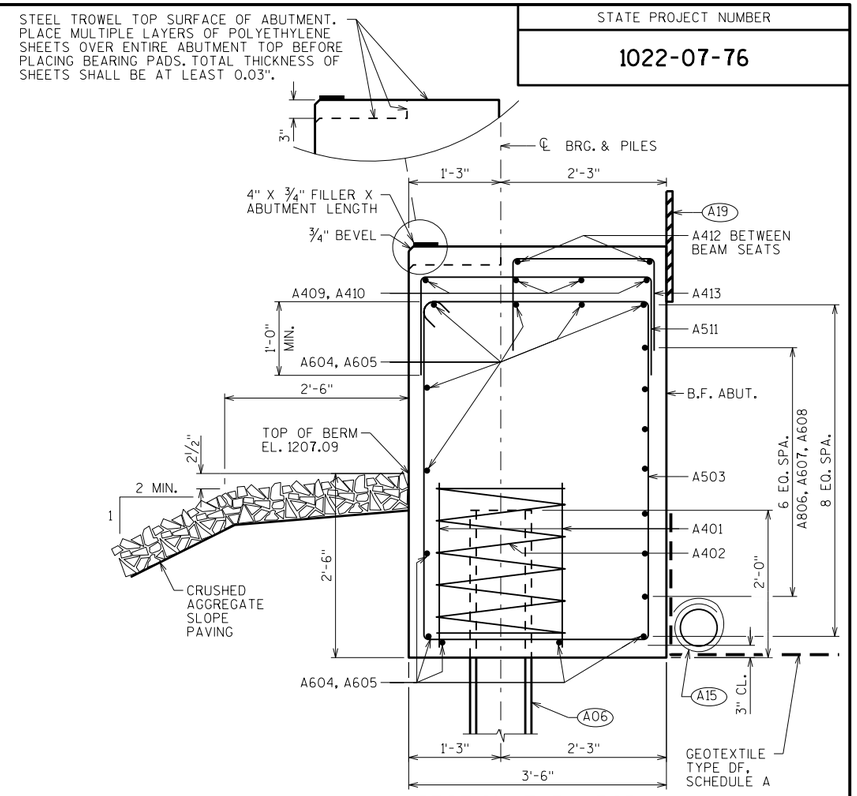


PLAN

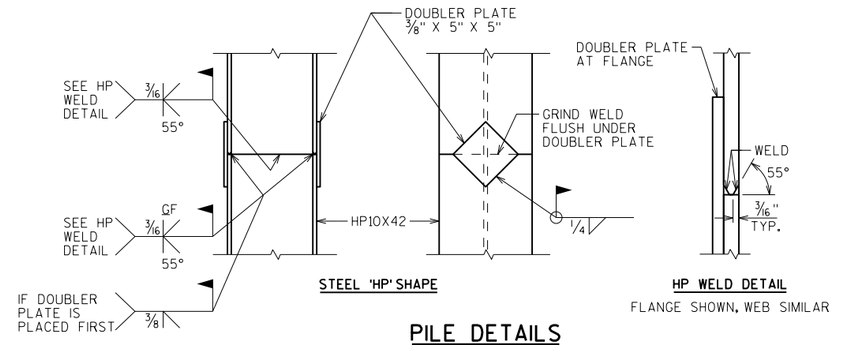


PILE PLAN

○ INDICATES GIRDER NUMBER



SECTION THRU BODY



PILE DETAILS

(A04) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2" X 8". ¾" "V" GROOVE @ THE FRONT FACE AND 18" R.M.W. @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

(A06) SUPPORT ABUTMENT ON HP 10 x 42 STEEL PILING, ESTIMATED 45'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 145 TONS PER PILE. PILE POINTS REQUIRED.

(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.

STATE PROJECT NUMBER

1022-07-76

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-246

DRAWN BY JJS | PLANS CK'D. NAR

WEST ABUTMENT

SHEET 4

783

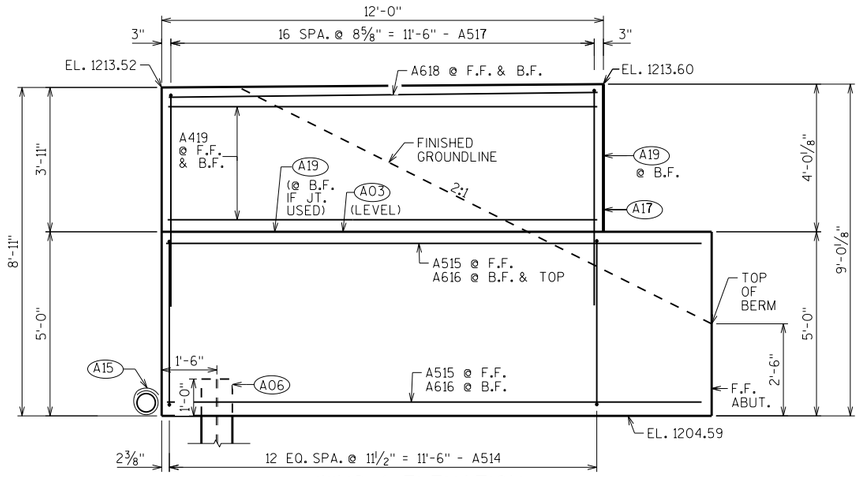
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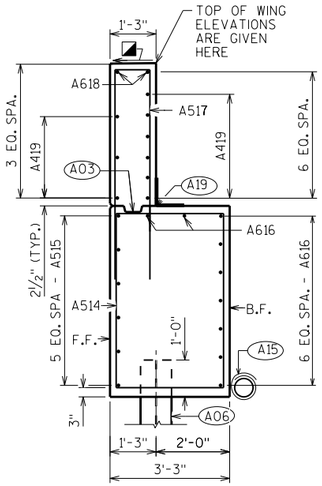
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STATE PROJECT NUMBER

1022-07-76



WING 1 ELEVATION

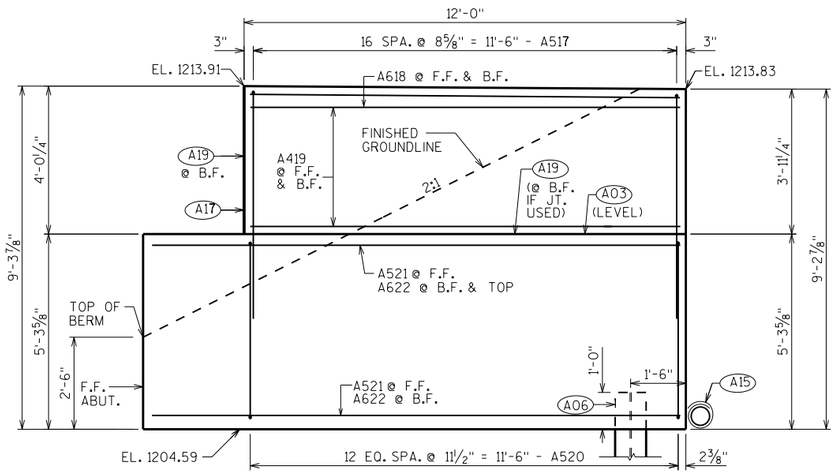


WING 1 SECTION

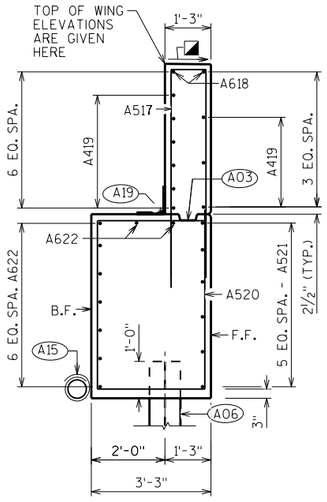
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

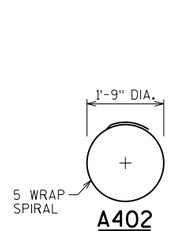
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
A401		18	2'-3"		BODY-BOT.-2 PER BODY PILE-VERT.
A402		9	28'-0"	X	BODY-BOT.-SPIRAL-1 PER BODY PILE-VERT.
A503		82	15'-8"	X	BODY-STIRRUPS-VERT.
A604		11	38'-2"		BODY-HORIZONTAL- SOUTH END
A605		11	30'-8"		BODY-HORIZONTAL-NORTH END
A806		14	13'-8"	X	BODY-HORIZONTAL-B.F.-BOTH ENDS
A607		7	21'-4"		BODY-HORIZONTAL-B.F.-NORTH END
A608		7	27'-7"		BODY-HORIZONTAL-B.F.-SOUTH END
A409		4	21'-2"		BODY-TOP-HORIZ.
A410		4	16'-9"		BODY-TOP-HORIZ.
A511		40	5'-5"	X	BODY-TOP-VERT.
A412		10	10'-2"		BODY-HORIZ. BTWN. BEAM SEATS
A413		45	4'-11"	X	BODY-VERT. BTWN. BEAM SEATS
A514	X	13	16'-0"	X	WING 1-STIRRUP-VERT.
A515	X	6	14'-10"		WING 1-HORIZONTAL-F.F.
A616	X	9	14'-3"		WINGS 1-HORIZONTAL-B.F. & TOP
A517	X	34	12'-6"	X	WINGS 1&2-VERTICAL
A618	X	4	11'-6"		WINGS 1&2-HORIZONTAL-B.F. & F.F.-TOP
A419	X	18	11'-6"		WINGS 1&2-HORIZONTAL-B.F. & F.F.
A520	X	13	16'-2"	X	WING 2-STIRRUP-VERT.
A521	X	6	15'-3"		WING 2-HORIZONTAL-F.F.
A622	X	9	14'-3"		WINGS 2-HORIZONTAL-B.F. & TOP



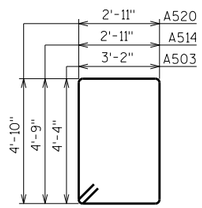
WING 2 ELEVATION



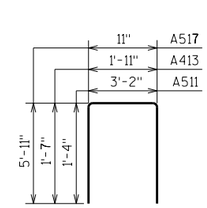
WING 2 SECTION



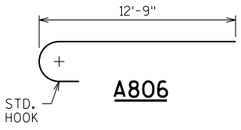
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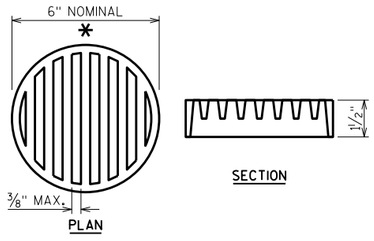
A503 A514 A520



A511 A413 A517



A806



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.

- SLOPE TO DRAIN

(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2" × 6". (18" RMW @ B.F. & ¾" "V" GROOVE @ F.F. IF JOINT IS USED).

(A06) SUPPORT ABUTMENT ON HP 10 x 42 STEEL PILING, ESTIMATED 45'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 145 TONS PER PILE. PILE POINTS REQUIRED.

(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.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-246

DRAWN BY JJS | PLANS CK'D. NAR

WEST ABUTMENT DETAILS

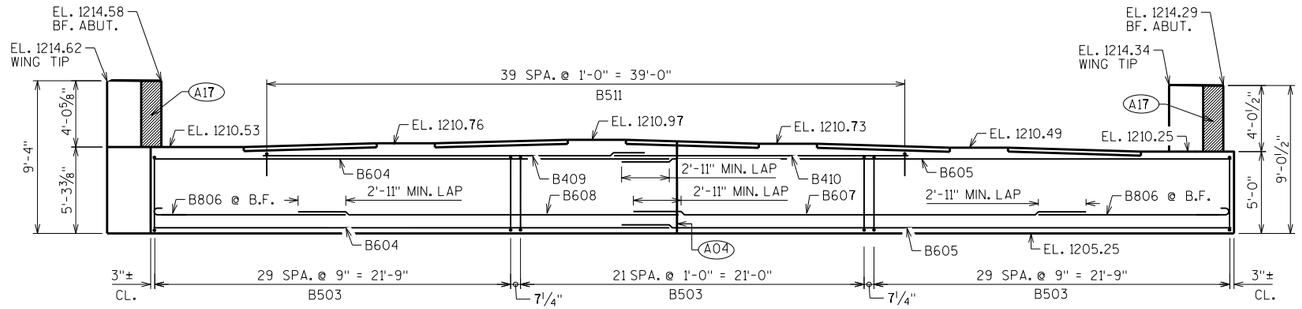
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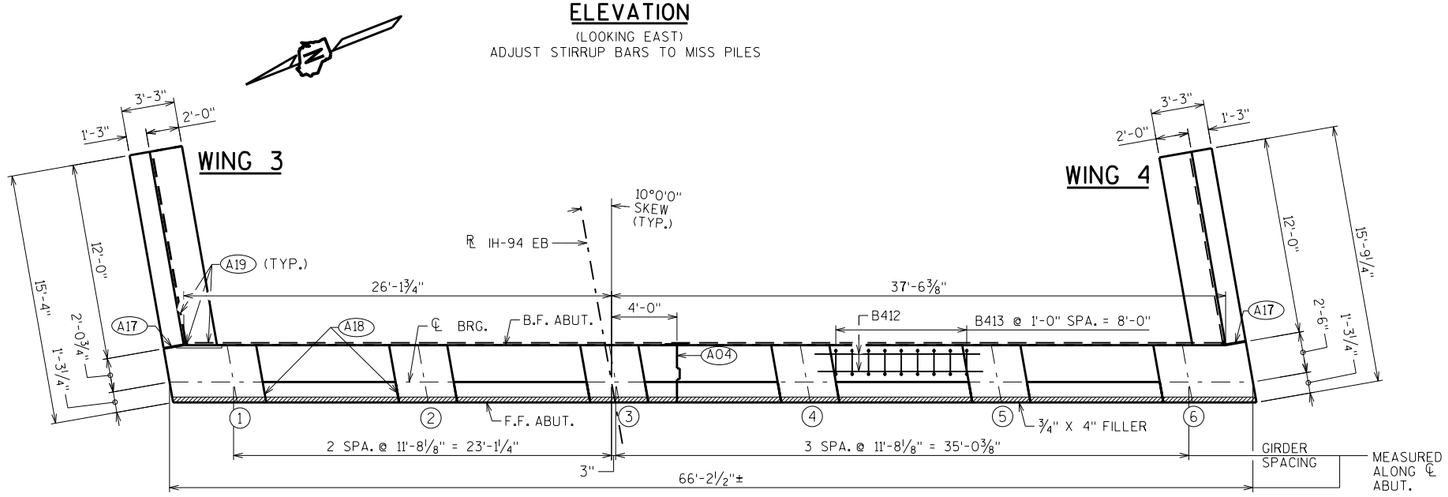
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8

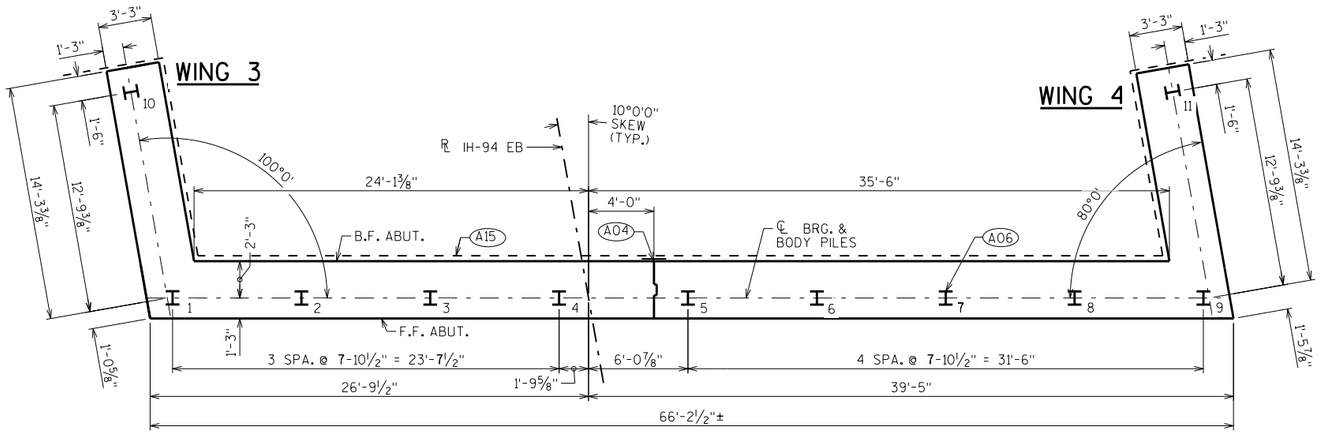


ELEVATION

(LOOKING EAST)
ADJUST STIRRUP BARS TO MISS PILES

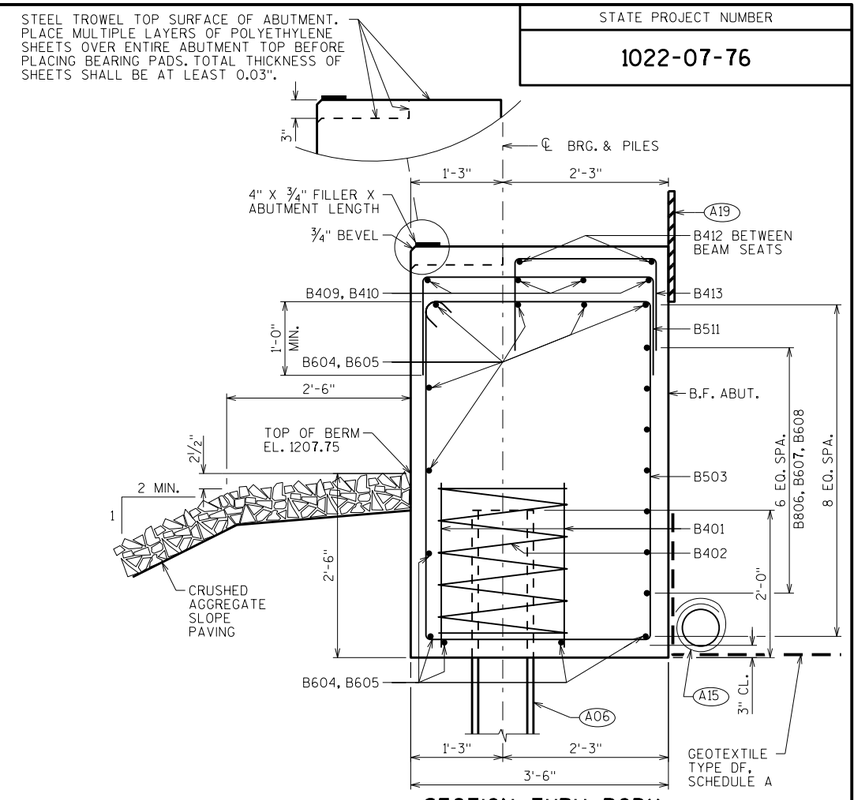


PLAN

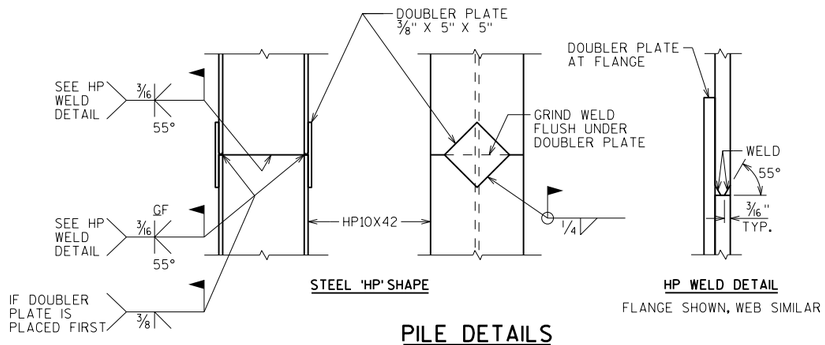


PILE PLAN

○ INDICATES GIRDER NUMBER



SECTION THRU BODY



STEEL 'HP' SHAPE

HP WELD DETAIL

FLANGE SHOWN, WEB SIMILAR

PILE DETAILS

(A04) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2" X 8". ¾" "V" GROOVE @ THE FRONT FACE AND 18" R.M.W. @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

(A06) SUPPORT ABUTMENT ON HP 10 x 42 STEEL PILING, ESTIMATED 35'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 145 TONS PER PILE. PILE POINTS REQUIRED.

(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.

STATE PROJECT NUMBER

1022-07-76

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-246

DRAWN BY JJS | PLANS CK'D. NAR

EAST ABUTMENT

SHEET 6

785

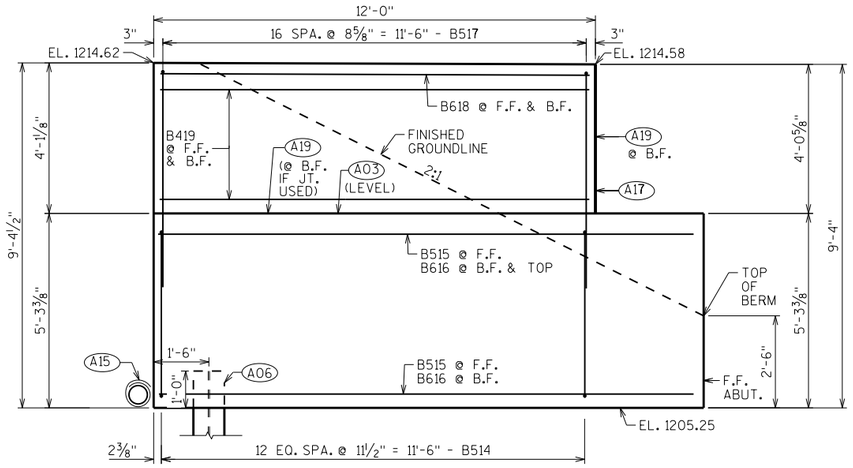
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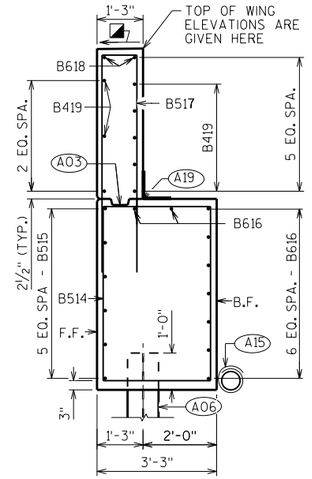
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STATE PROJECT NUMBER

1022-07-76



WING 3 ELEVATION

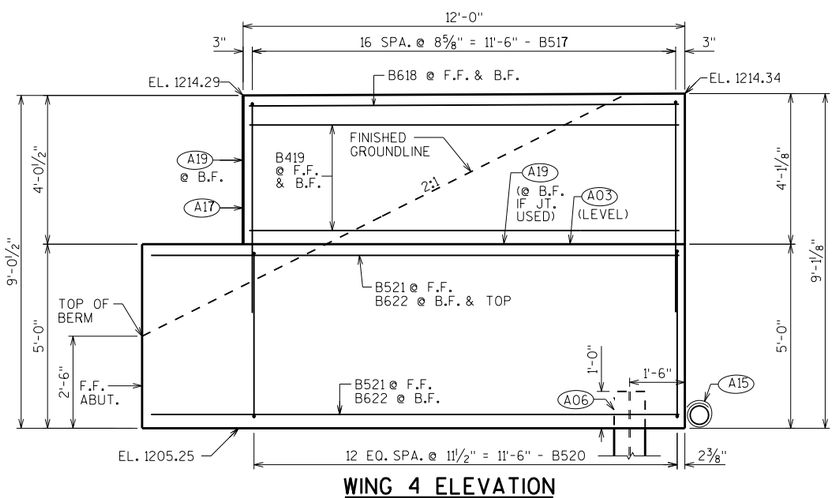


WING 3 SECTION

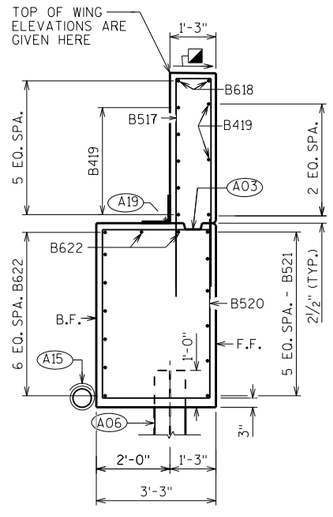
BILL OF BARS

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		18	2'-3"		BODY-BOT.-2 PER BODY PILE-VERT.
B402		9	28'-0"	X	BODY-BOT.-SPIRAL-1 PER BODY PILE-VERT.
B503		82	15'-8"	X	BODY-STIRRUPS-VERT.
B604		11	30'-8"		BODY-HORIZONTAL- NORTH END
B605		11	37'-1"		BODY-HORIZONTAL-SOUTH END
B806		14	13'-8"	X	BODY-HORIZONTAL-B.F.-BOTH ENDS
B607		7	27'-7"		BODY-HORIZONTAL-B.F.- SOUTH END
B608		7	21'-2"		BODY-HORIZONTAL-B.F. NORTH END
B409		4	22'-6"		BODY-TOP-HORIZ.
B410		4	18'-10"		BODY-TOP-HORIZ.
B511		40	5'-7"	X	BODY-TOP-VERT.
B412		10	10'-2"		BODY-HORIZ. BTWN. BEAM SEATS
B413		45	4'-11"	X	BODY-VERT. BTWN. BEAM SEATS
B514	X	13	16'-2"	X	WING 3-STIRRUP-VERT.
B515	X	6	14'-10"	X	WING 3-HORIZONTAL-F.F.
B616	X	9	14'-3"		WINGS 3-HORIZONTAL-B.F. & TOP
B517	X	34	12'-4"	X	WINGS 3&4-VERTICAL
B618	X	4	11'-6"		WINGS 3&4-HORIZONTAL-B.F. & TOP
B419	X	18	11'-6"		WINGS 3&4-TOP-HORIZONTAL-B.F. & F.F.- TOP
B520	X	13	16'-0"	X	WING 4-STIRRUP-VERT.
B521	X	6	15'-3"		WING 4-HORIZONTAL-F.F.
B622	X	9	14'-3"		WINGS 4-HORIZONTAL-B.F. & TOP

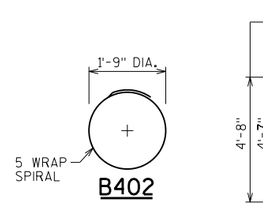


WING 4 ELEVATION

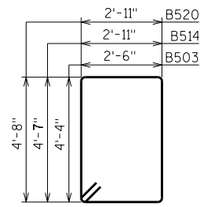


WING 4 SECTION

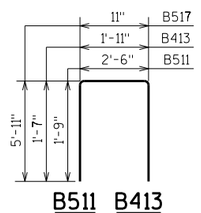
- SLOPE TO DRAIN



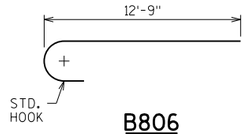
B402



B503 B514 B520



B511 B413 B517



B806

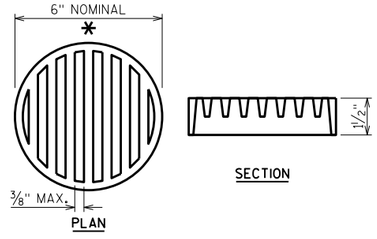
(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2" × 6". (18" RMW @ B.F. & ¾" "V" GROOVE @ F.F. IF JOINT IS USED).

(A06) SUPPORT ABUTMENT ON HP 10 × 42 STEEL PILING, ESTIMATED 35'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 145 TONS PER PILE. PILE POINTS REQUIRED.

(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

SECTION

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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EAST ABUTMENT DETAILS

SHEET 7

786

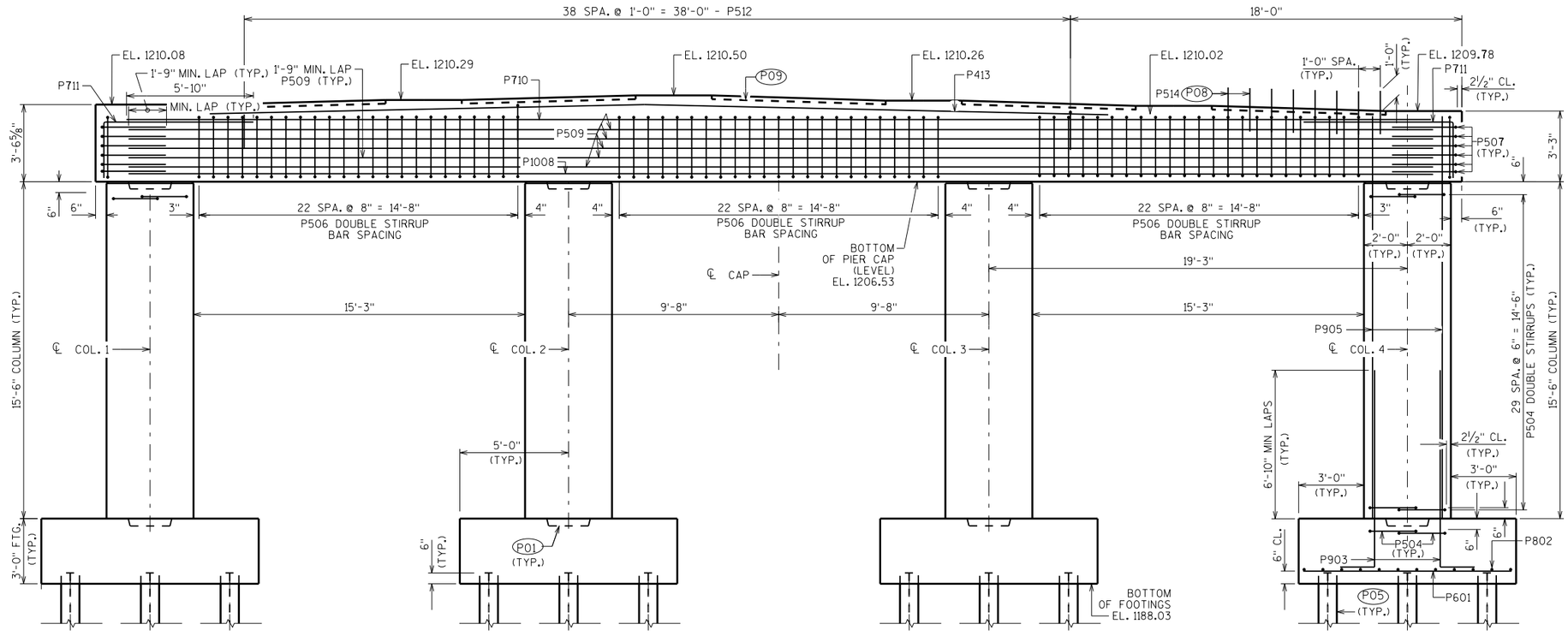
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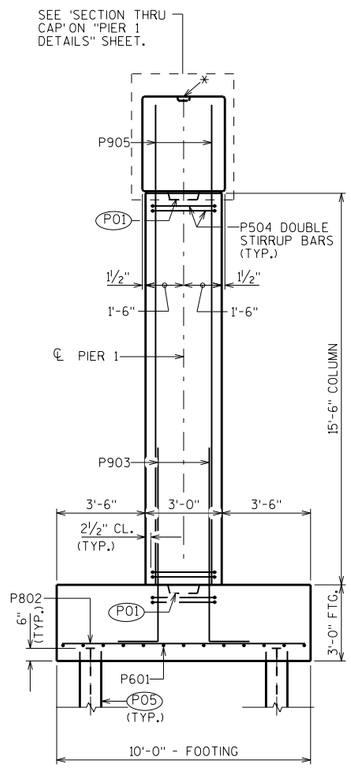
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STATE PROJECT NUMBER

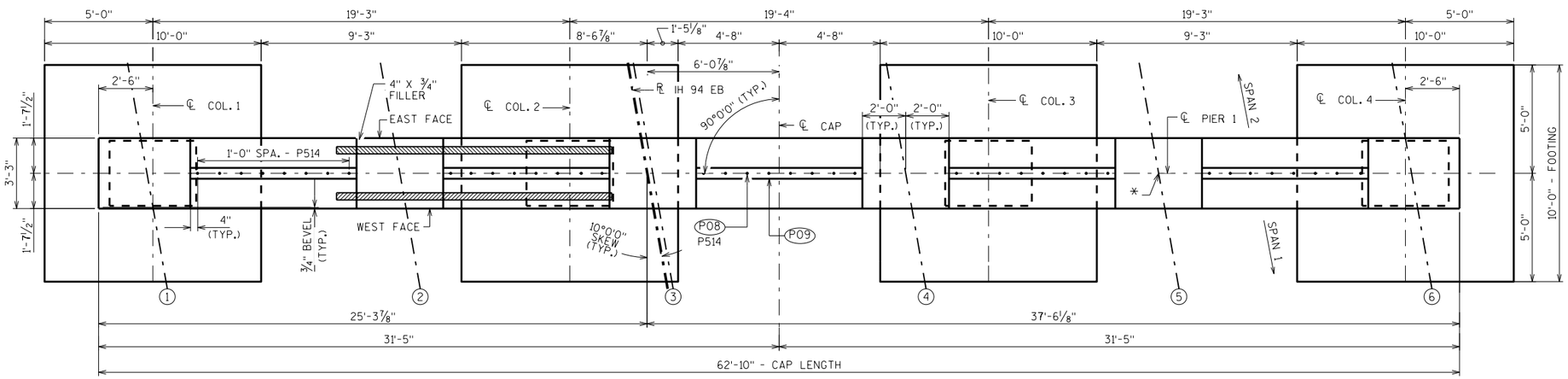
1022-07-76



ELEVATION
(LOOKING EAST)



END VIEW



PLAN

*TOP OF PIER CAP ELEVATIONS ARE GIVEN HERE AT THE ℄ PIER 1

◯ INDICATES GIRDER NUMBER

(P01) 2'-0" x 1'-3" x 4" DEEP CONSTRUCTION JOINT FORMED BY BEVELED KEYWAY.

(P05) SUPPORT PIER ON HP 10 X 42 PILES, ESTIMATED 20 FEET LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE. SEE "PILE DETAILS" ON NEXT SHEET. PILE POINTS REQUIRED.

(P08) P514 BARS @ 1'-0" CTRS. AT TOP OF PIER CAP. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

(P09) KEYED CONSTRUCTION JOINT-FORMED BY BEVELED 2" x 6" AT TOP OF PIER CAP.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
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STRUCTURE B-55-246

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PIER 1

SHEET 8

787

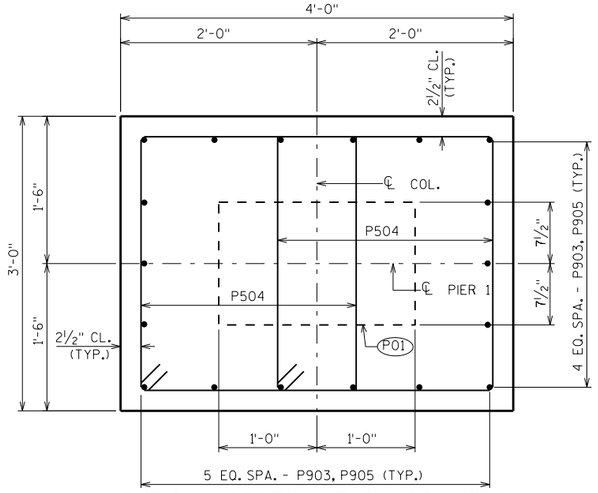
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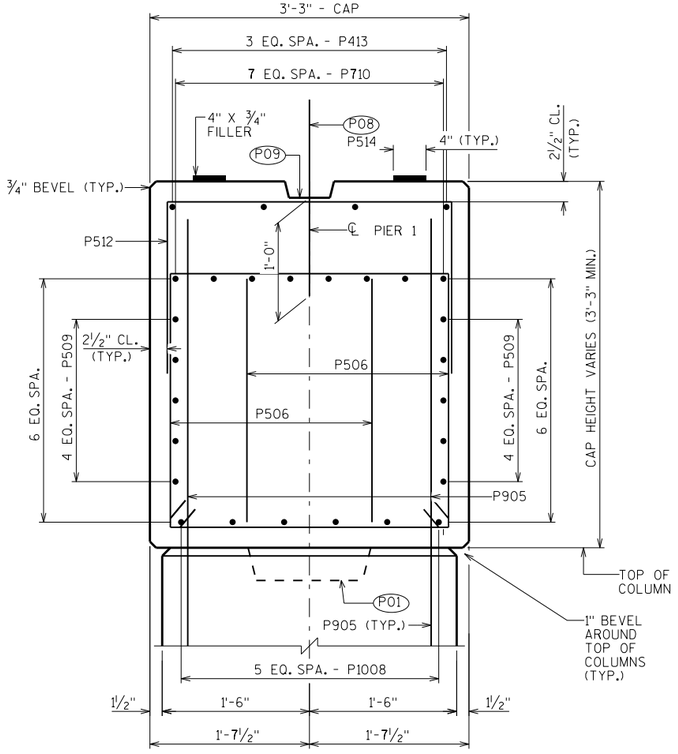
STATE PROJECT NUMBER

1022-07-76



TYPICAL SECTION THRU COLUMNS

(SHOWING DOUBLE STIRRUPS)



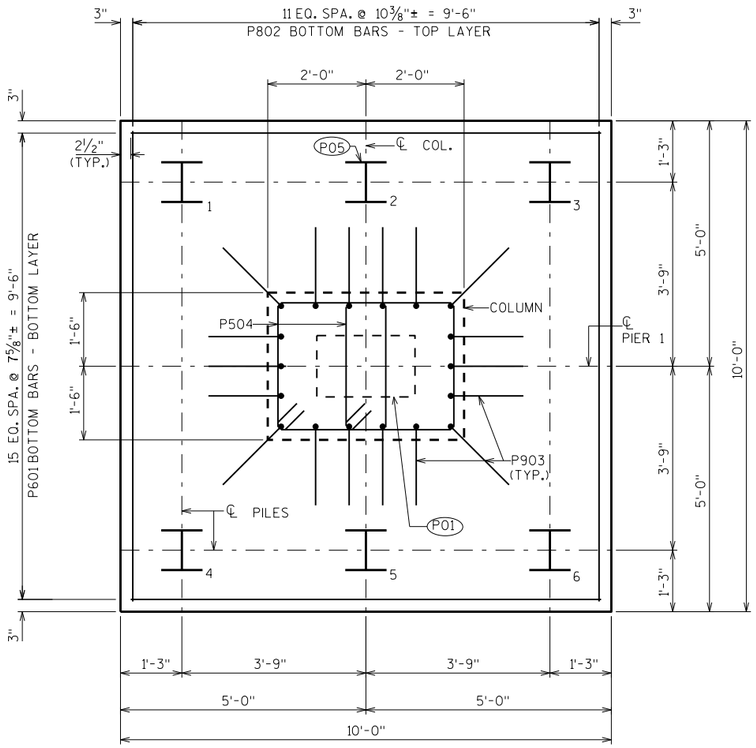
SECTION THRU CAP

(SHOWING DOUBLE STIRRUPS)

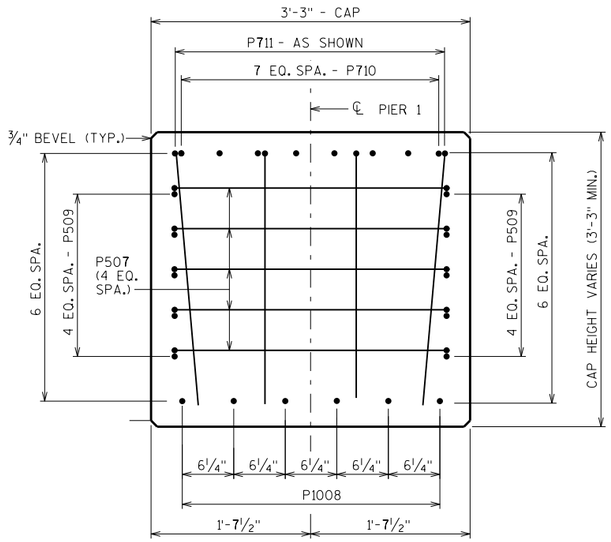
BILL OF BARS

NOTE:
THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

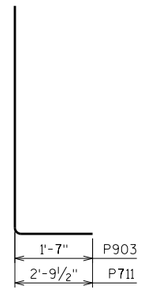
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
P601		64	9'-7"		FOOTINGS-BOTTOM-HORIZ.-LONGIT.-BOT. LAYER
P802		48	9'-7"		FOOTINGS-BOTTOM-HORIZ.-TRANS.-TOP LAYER
P903	X	72	11'-10"	X	FOOTINGS/COLUMNS-VERTICAL-ALL FACES
P504	X	248	10'-6"	X	FOOTINGS & COLUMNS-HORIZ.-DOUBLE STIRRUPS
P905	X	72	18'-0"		COLUMNS/CAP-VERTICAL-ALL FACES
P506	X	138	10'-7"	X	CAP-VERTICAL-TRANSVERSE-DOUBLE STIRRUPS-BTWN. COLUMNS
P507	X	12	8'-6"	X	CAP-HORIZ.-BOTH ENDS ONLY
P1008	X	6	60'-0"		CAP-BOT.-HORIZ.-LONGIT.
P509	X	10	60'-0"		CAP-BOT.-HORIZ.-LONGIT.
P710	X	8	60'-0"		CAP-HORIZ.-LONGIT.-BOTH FACES
P711	X	8	9'-8"	X	CAP-TOP-HORIZ. & VERT.-LONGIT.
P512	X	39	6'-11"	X	CAP-TOP-VERTICAL-TRANSVERSE- ABOVE COLS. 2-3
P413	X	4	41'-4"		CAP-TOP-HORIZ.-LONGIT.-ABOVE COLS. 2-3
P514	X	40	2'-0"		CAP-TOP-VERTICAL-TRANSVERSE-CENTER



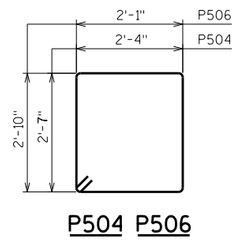
TYPICAL FOOTING/PILE PLAN



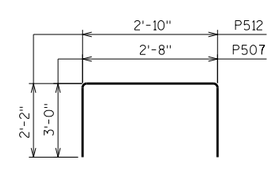
SECTION THRU CAP AT ENDS



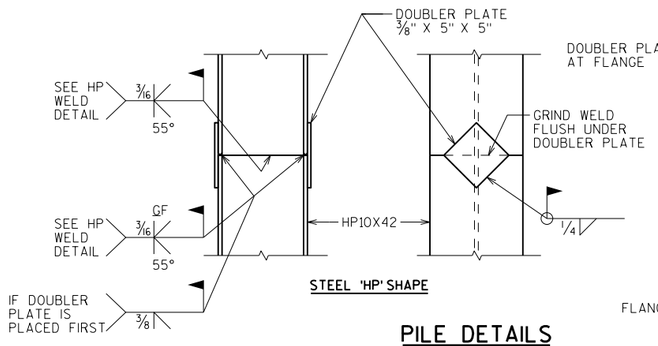
P903 P711



P504 P506



P507 P512



STEEL 'HP' SHAPE

HP WELD DETAIL

FLANGE SHOWN, WEB SIMILAR

PILE DETAILS

(P01) 2'-0" x 1'-3" x 4" DEEP CONSTRUCTION JOINT FORMED BY BEVELED KEYWAY.

(P05) SUPPORT PIER ON HP 10 X 42 PILES. PILING, ESTIMATED 20 FEET LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE. PILE POINTS REQUIRED.

(P08) P514 BARS @ 1'-0" CTRS. AT TOP OF PIER CAP. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

(P09) KEYED CONSTRUCTION JOINT-FORMED BY BEVELED 2" x 6" AT TOP OF PIER CAP.

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STRUCTURE B-55-246

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PIER 1 DETAILS

SHEET 9

788

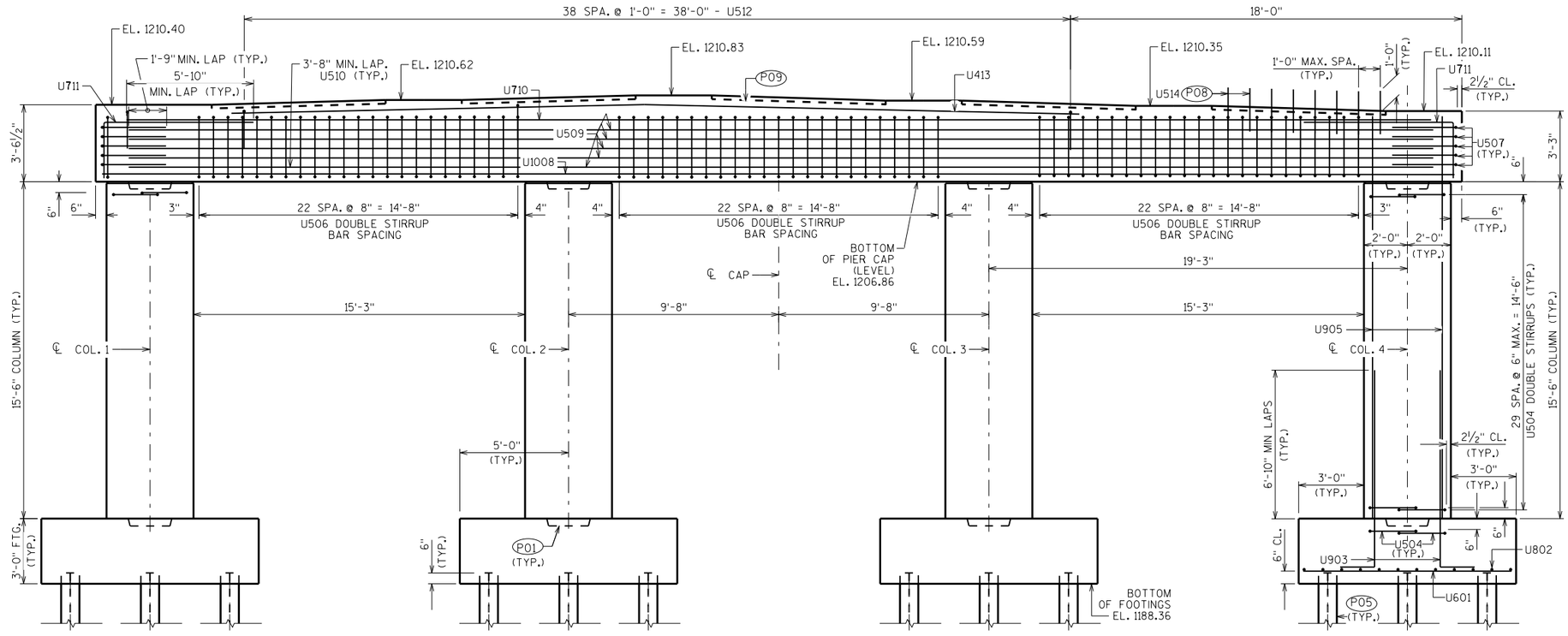
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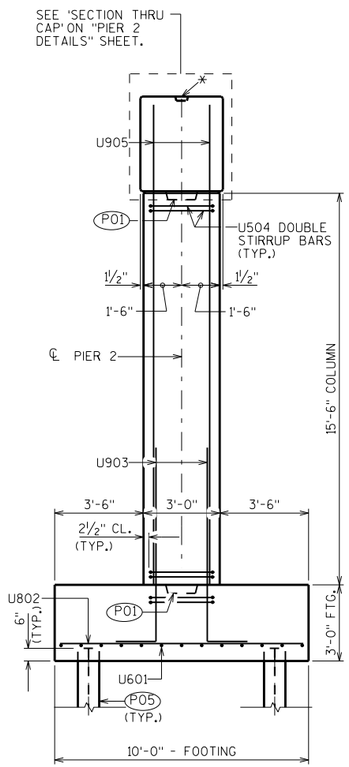
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STATE PROJECT NUMBER

1022-07-76



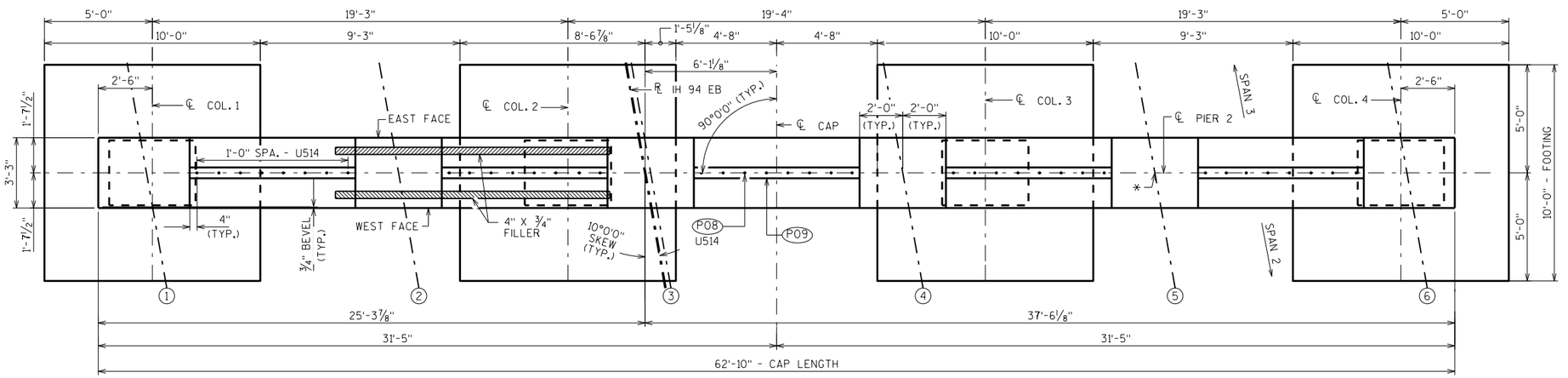


ELEVATION

(LOOKING EAST)

*TOP OF PIER CAP ELEVATIONS ARE GIVEN HERE AT THE ℄ PIER 2

END VIEW



PLAN

*TOP OF PIER CAP ELEVATIONS ARE GIVEN HERE AT THE ℄ PIER 2

◯ INDICATES GIRDER NUMBER

(P01) 2'-0" x 1'-3" x 4" DEEP CONSTRUCTION JOINT FORMED BY BEVELED KEYWAY.

(P05) SUPPORT PIER ON HP 10 X 42 PILES. ESTIMATED 20 FEET LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE. SEE "PILE DETAILS" ON NEXT SHEET. PILE POINTS REQUIRED.

(P08) U514 BARS @ 1'-0" CTRS. AT TOP OF PIER CAP. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

(P09) KEYED CONSTRUCTION JOINT-FORMED BY BEVELED 2" x 6" AT TOP OF PIER CAP.

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STRUCTURES DESIGN SECTION

STRUCTURE B-55-246

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PIER 2

SHEET 10

789

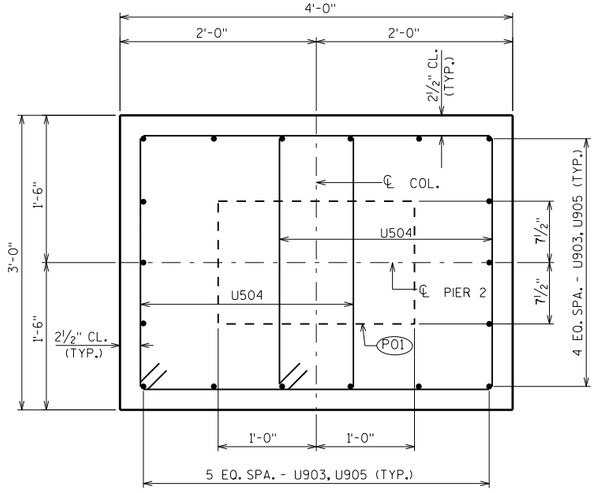
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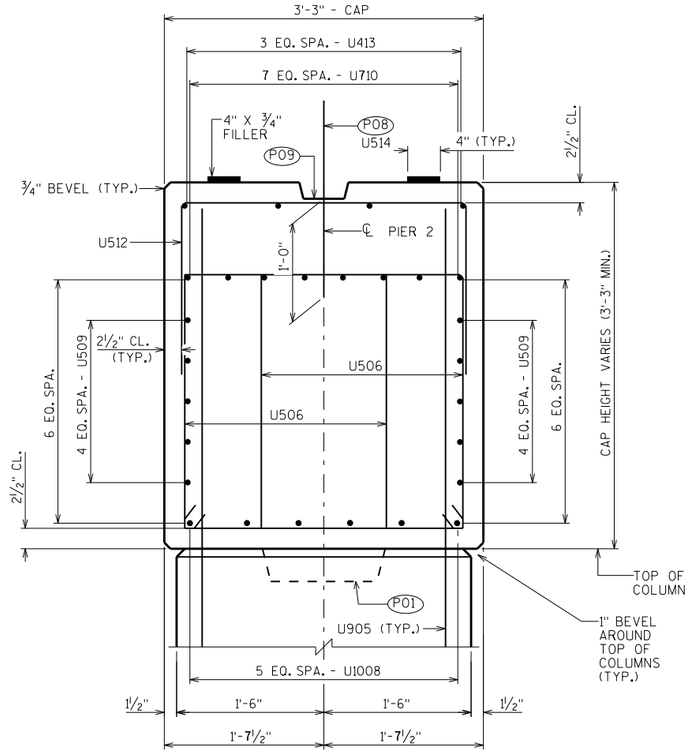
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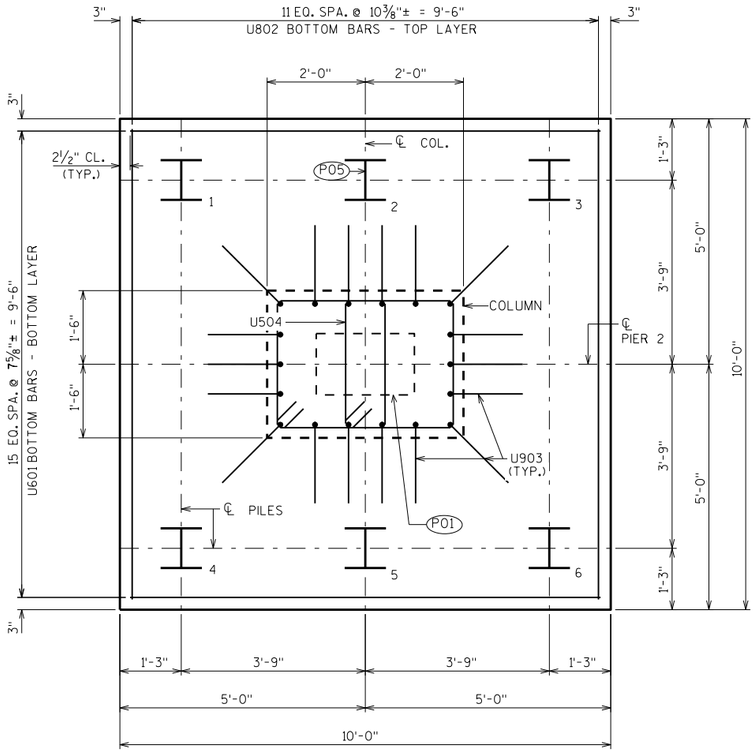
TYPICAL SECTION THRU COLUMNS

(SHOWING DOUBLE STIRRUPS)

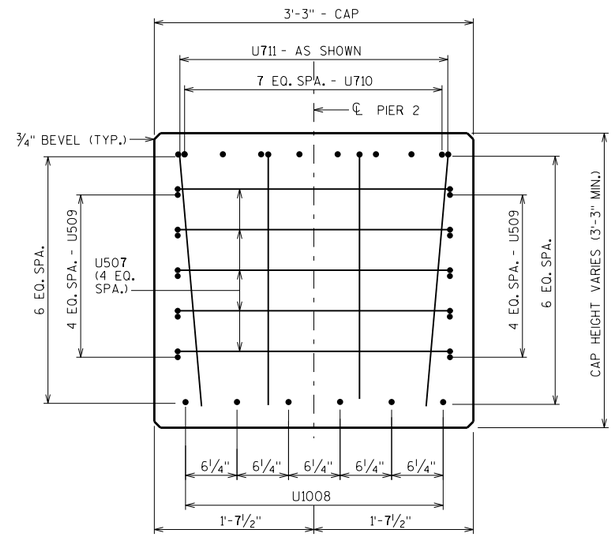


SECTION THRU CAP

(SHOWING DOUBLE STIRRUPS)



TYPICAL FOOTING/PILE PLAN

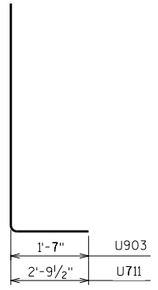


SECTION THRU CAP AT ENDS

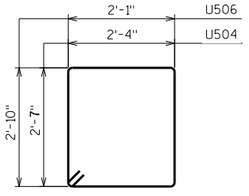
BILL OF BARS

NOTE:
THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

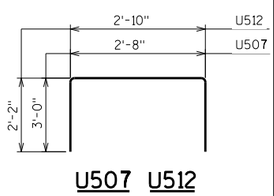
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
U601		64	9'-7"		FOOTINGS-BOTTOM-HORIZ.-LONGIT.-BOT. LAYER
U802		48	9'-7"		FOOTINGS-BOTTOM-HORIZ.-TRANS.-TOP LAYER
U903	X	72	11'-10"	X	FOOTINGS/COLUMNS-VERTICAL-ALL FACES
U504	X	248	10'-6"	X	FOOTINGS & COLUMNS-HORIZ.-DOUBLE STIRRUPS
U905	X	72	18'-0"		COLUMNS/CAP-VERTICAL-ALL FACES
U506	X	138	10'-7"	X	CAP-BOT.-VERTICAL-TRANSVERSE-DOUBLE STIRRUPS-BTWN. COLUMNS
U507	X	12	8'-6"	X	CAP-HORIZ.-BOTH ENDS ONLY
U1008	X	6	60'-0"		CAP-BOT.-HORIZ.-LONGIT.
U509	X	10	60'-0"		CAP-HORIZ.-LONGIT.-BOTH FACES
U710	X	8	60'-0"		CAP-TOP-HORIZ. & VERT.-LONGIT.
U711	X	8	9'-8"	X	CAP-TOP-HORIZ.- LONGIT.- BOTH ENDS
U512	X	46	6'-11"	X	CAP-TOP-VERTICAL-TRANSVERSE- ABOVE COLS. 2-3
U413	X	4	39'-0"		CAP-TOP-HORIZ.-LONGIT.-ABOVE COLS. 2-3
U514	X	40	2'-0"		CAP-TOP-VERTICAL-TRANSVERSE-CENTER



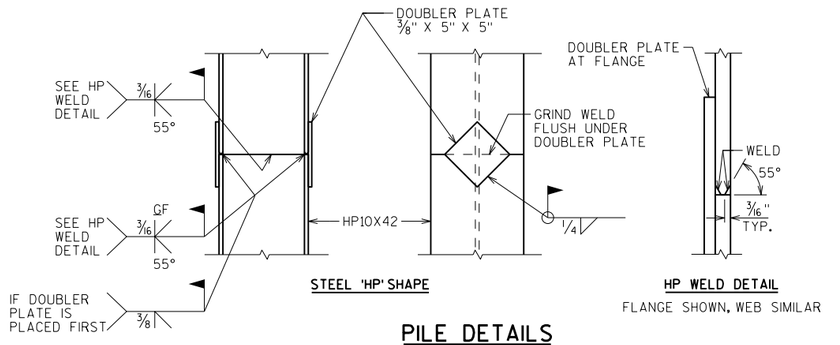
U903 U711



U504 U506



U507 U512



STEEL 'HP' SHAPE

HP WELD DETAIL

FLANGE SHOWN, WEB SIMILAR

PILE DETAILS

(P01) 2'-0" X 1'-3" X 4" DEEP CONSTRUCTION JOINT FORMED BY BEVELED KEYWAY.

(P05) SUPPORT PIER ON HP 10 X 42 PILES. ESTIMATED 20 FEET LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE. PILE POINTS REQUIRED.

(P08) U514 BARS @ 1'-0" CTRS. AT TOP OF PIER CAP. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

(P09) KEYED CONSTRUCTION JOINT-FORMED BY BEVELED 2" X 6" AT TOP OF PIER CAP.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-246

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PIER 2 DETAILS

SHEET 11

790

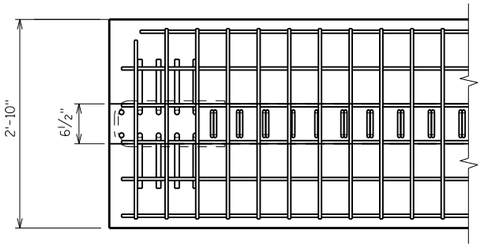
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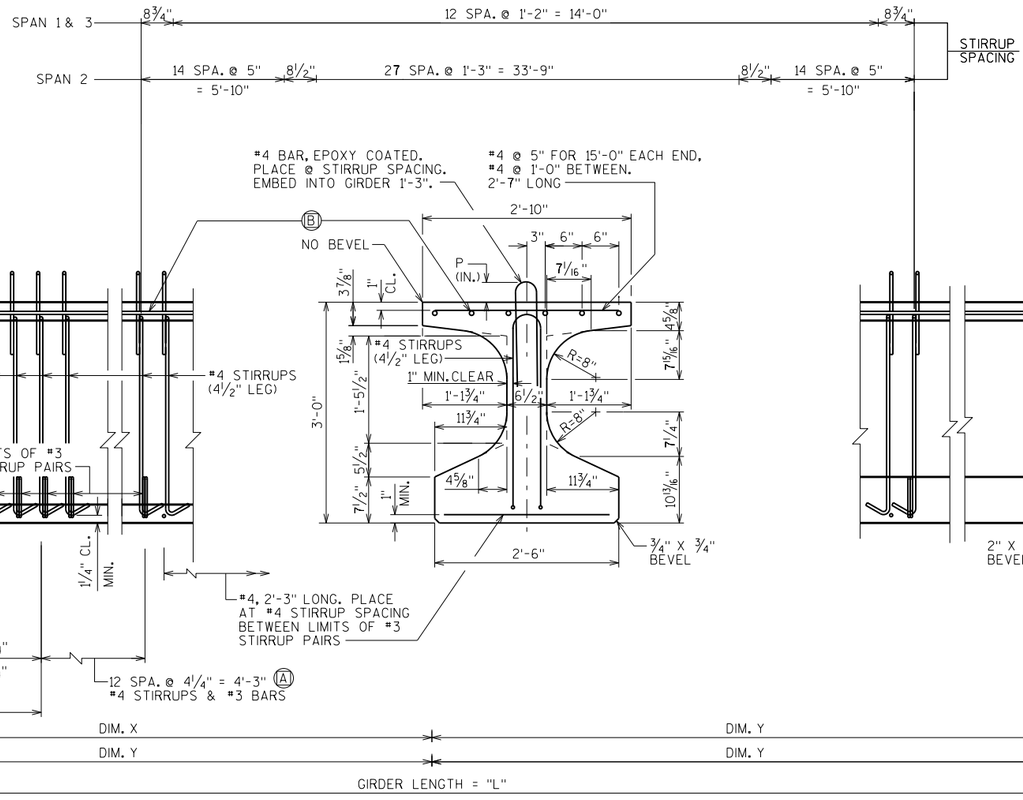
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STATE PROJECT NUMBER

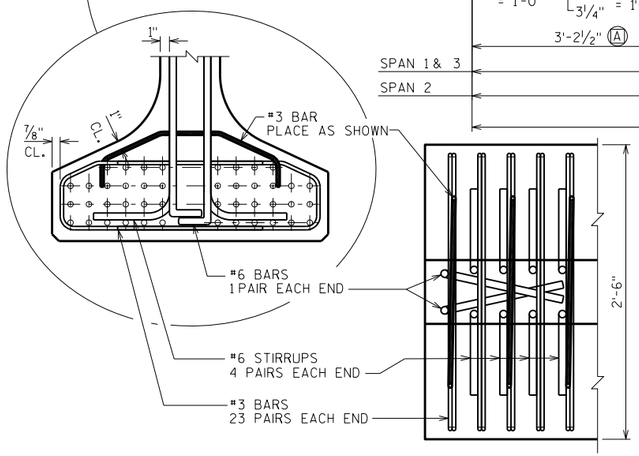
1022-07-76



TOP FLANGE



SECTION A-A



BOTTOM FLANGE

NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE THE OUTSIDE 8" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 8" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER 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.

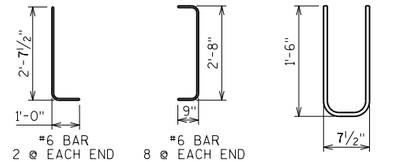
ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

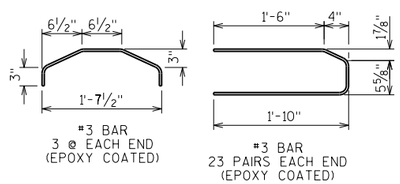
SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT.

AN ALTERNATE EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A1064 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DEVELOPMENT SECTION.

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

FOR CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.





SIDE VIEW & TYPICAL SECTION IN SPAN

Ⓐ DETAIL TYP. AT EACH END

Ⓑ 6 #5 BARS, FULL LENGTH, MIN. LAP = 2'-5"

SPAN 1 & 3	"DIM. X"	"DIM. Y"
G1	10'-5¼"	19'-11¼"
G2	12'-5½"	17'-11"
G3	14'-5⅞"	15'-10⅝"
G4	16'-6¼"	13'-10¼"
G5	18'-6½"	11'-10"
G6	20'-6⅞"	9'-9⅝"

SPAN 2	"DIM. X"	"DIM. Y"
G1	25'-9⅝"	35'-11⅜"
G2	27'-10"	33'-11"
G3	29'-10⅜"	31'-10⅝"
G4	31'-10⅝"	29'-10⅜"
G5	33'-11"	27'-10"
G6	35'-11⅜"	25'-9⅝"

DIAPHRAGM INSERT LOCATIONS

✳ MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L"	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" 1ST 1/3 OF GIRDER	"P" MID 1/3 OF GIRDER	"P" 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&3	1-6	30'-4½"	0.01	0.03	0.03	0.04	0.04	0.04	0.03	0.03	0.01	8,000	7	7	7	0.6							16	6,400
2	1&6	61'-9"	0.2	0.4	0.5	0.6	0.6	0.6	0.5	0.4	0.2	8,000	7	7	7	0.6							18	6,400
2	2-5	61'-9"	0.2	0.5	0.6	0.7	0.8	0.7	0.6	0.5	0.2	8,000	7	7	7	0.6							18	6,400

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-246

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36W" PRESTRESSED GIRDER DETAILS 1

SHEET 12

791

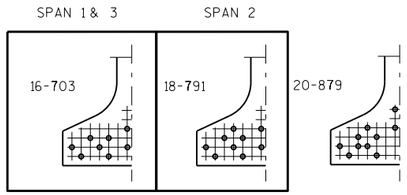
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8

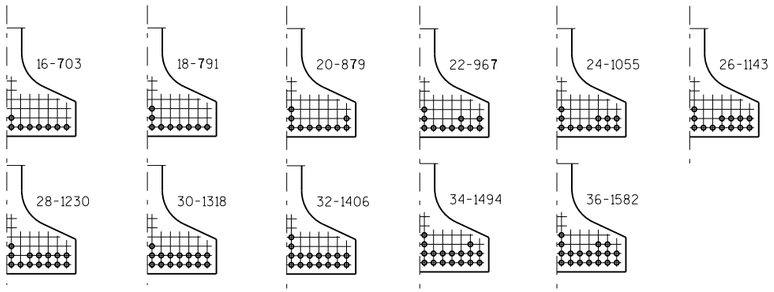
STATE PROJECT NUMBER

1022-07-76



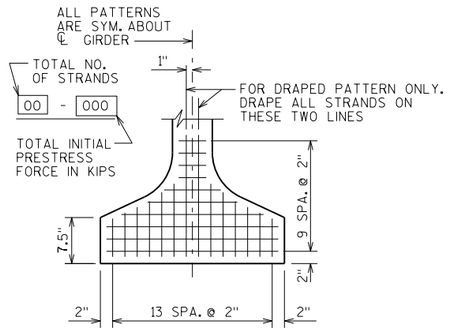
STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPING OF STRANDS

0.6" DIA. STRANDS

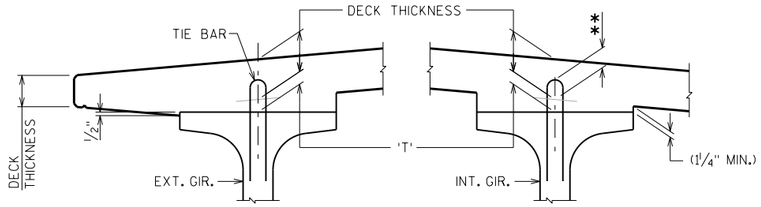


ARRANGEMENT AT ℄ SPAN - FOR GIRDERS WITH DRAPED STRANDS

0.6" DIA. STRANDS



TYP. STRAND PATTERN



DECK HAUNCH DETAIL

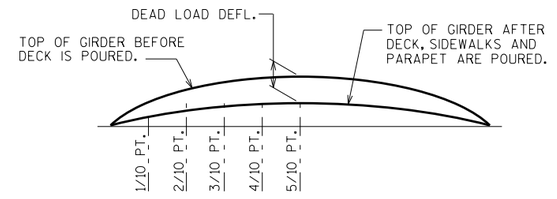
IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR, THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

** 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 2.63" WAS USED IN THE QUANTITY "CONCRETE MASONRY BRIDGES".



DEAD LOAD DEFLECTION DIAGRAM

*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	0.35
2	1.15
3	0.35

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

8

8

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-246

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36W" PRESTRESSED GIRDER DETAILS 2

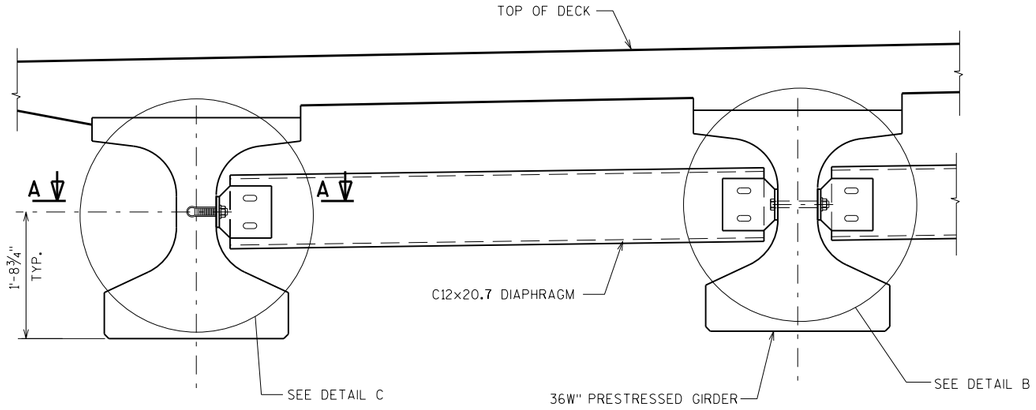
SHEET 13

792

SCALE = 1.00

STATE PROJECT NUMBER

1022-07-76



EXTERIOR GIRDER

INTERIOR GIRDER

NOTES

ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-55-246", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

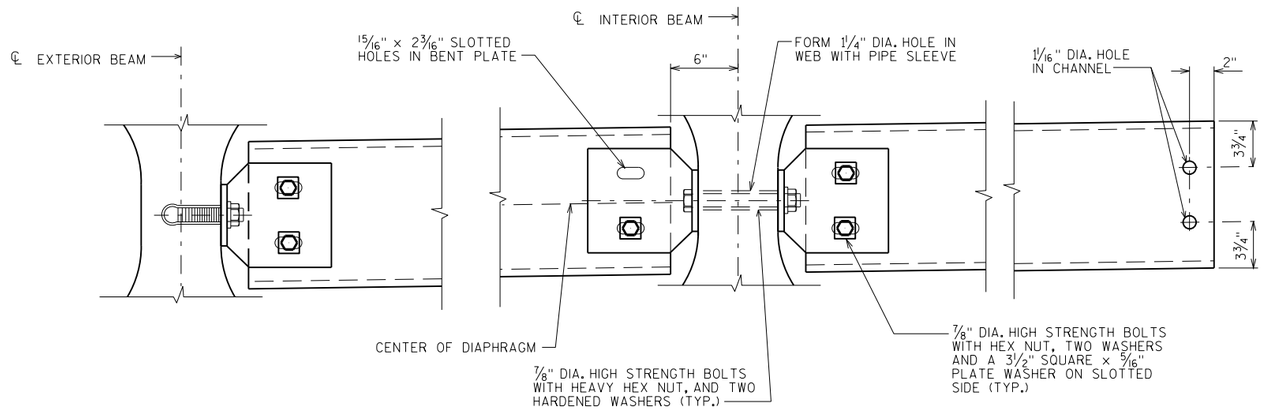
ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

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.

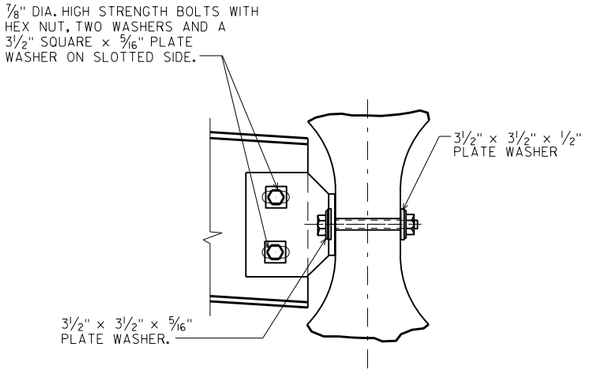
SEE 36W" PRESTRESSED GIRDER DETAILS 1 FOR DIAPHRAGM INSERT LOCATIONS.

PART TRANSVERSE SECTION AT DIAPHRAGM

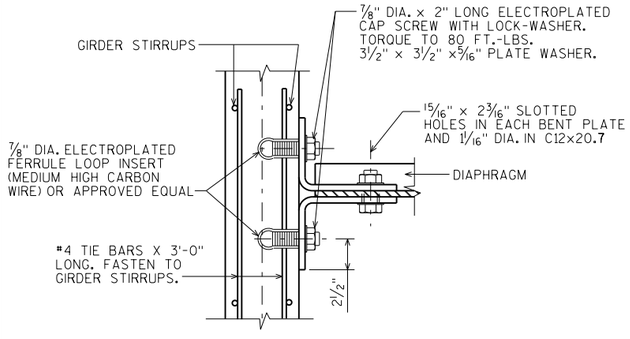


DETAIL C

DETAIL B

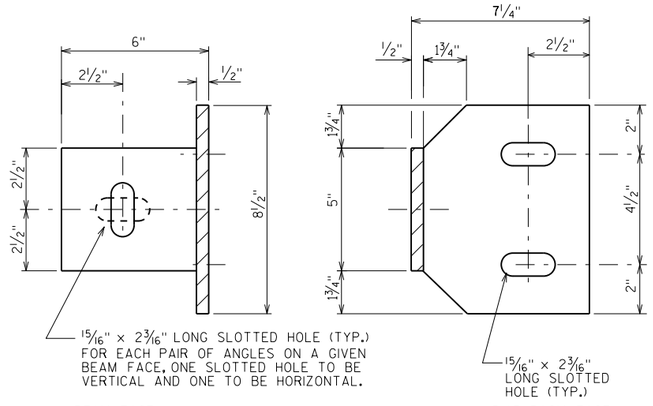


SECTION AT INTERIOR GIRDERS THRU DIAPHRAGM FOR SKEW ANGLES > 10°



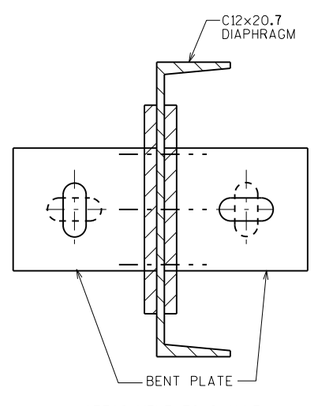
SECTION A-A

(FOR EXTERIOR ATTACHMENT)



BEAM FACE

DIAPHRAGM FACE



ATTACHMENT TO CHANNEL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-246

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STEEL DIAPHRAGM

SHEET 14

793

SCALE = 1.00

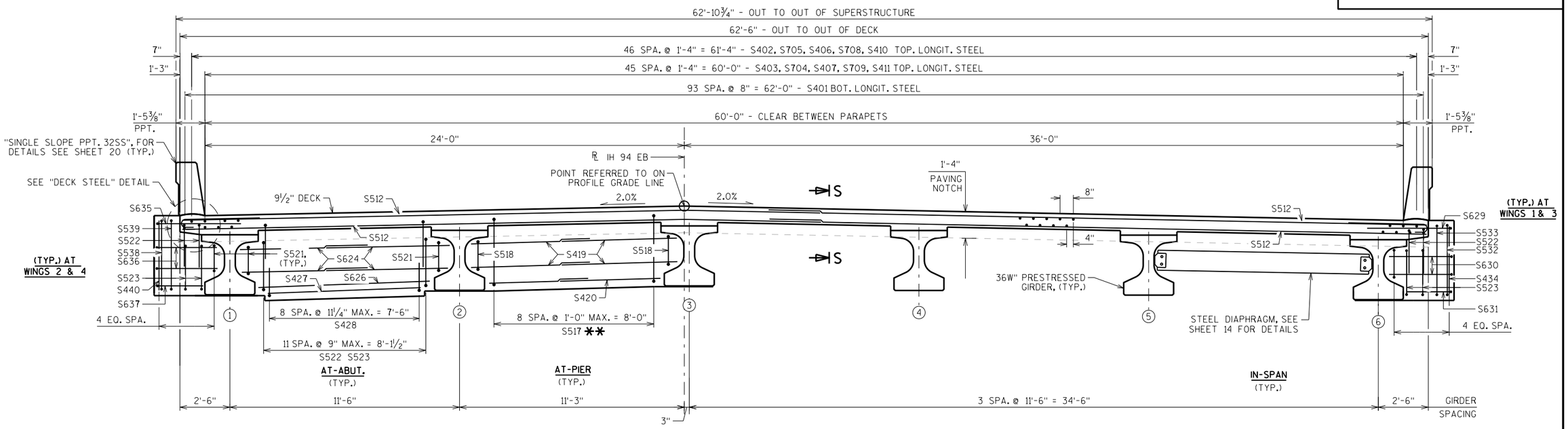
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STATE PROJECT NUMBER

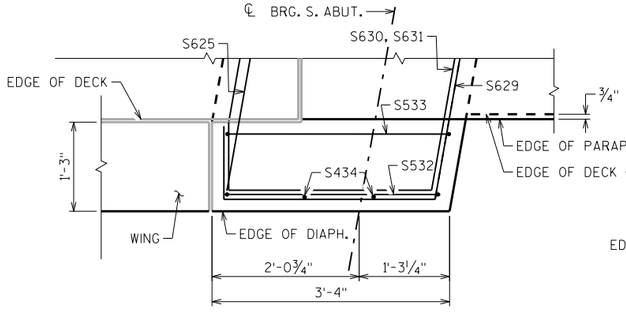
1022-07-76

○ INDICATES GIRDER NUMBER

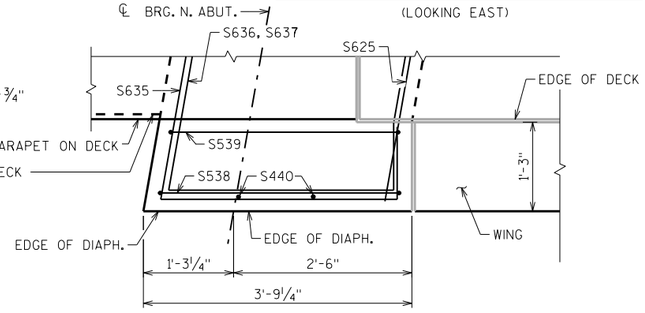


CROSS SECTION THRU ROADWAY

(LOOKING EAST)

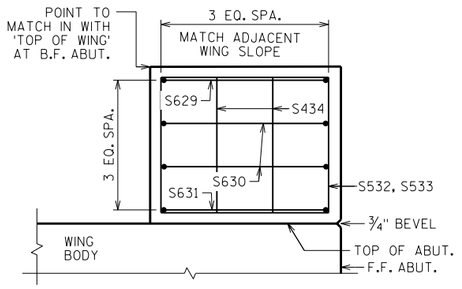


TYPICAL CORNER DETAIL AT WINGS 1&3 (PLAN VIEW)

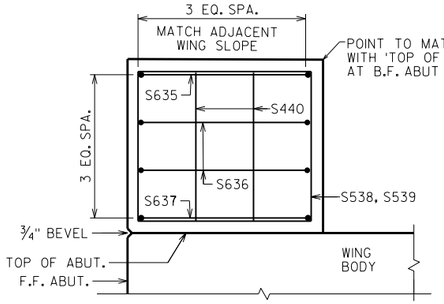


TYPICAL CORNER DETAIL AT WINGS 2&4 (PLAN VIEW)

** BARS PLACED PARALLEL TO GIRDERS. SPACING PERPENDICULAR TO GIRDERS

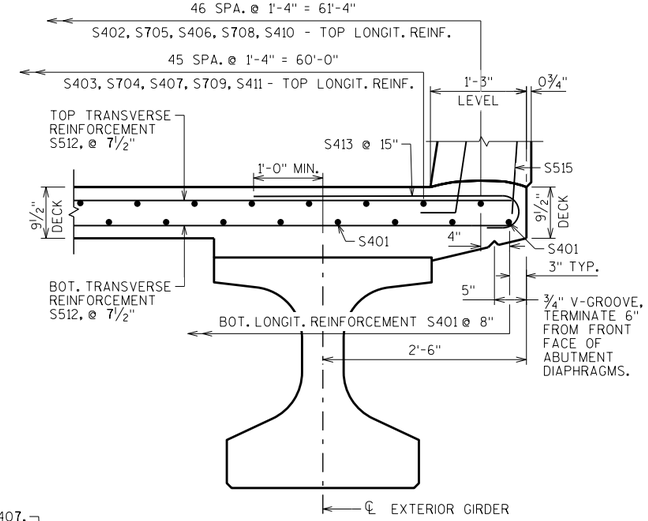


TYPICAL CORNER DETAIL AT WINGS 1&3 (ELEVATION VIEW LOOKING AT F.F. WING)



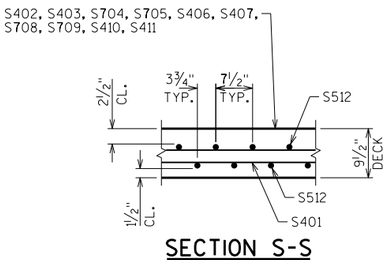
TYPICAL CORNER DETAIL AT WINGS 2&4 (ELEVATION VIEW LOOKING AT F.F. WING)

⚠ 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).



DECK STEEL DETAIL

(TYP. AT BOTH EDGES)



SECTION S-S

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
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STRUCTURES DESIGN SECTION

STRUCTURE B-55-246

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SUPERSTRUCTURE CROSS SECTION

SHEET 15

794

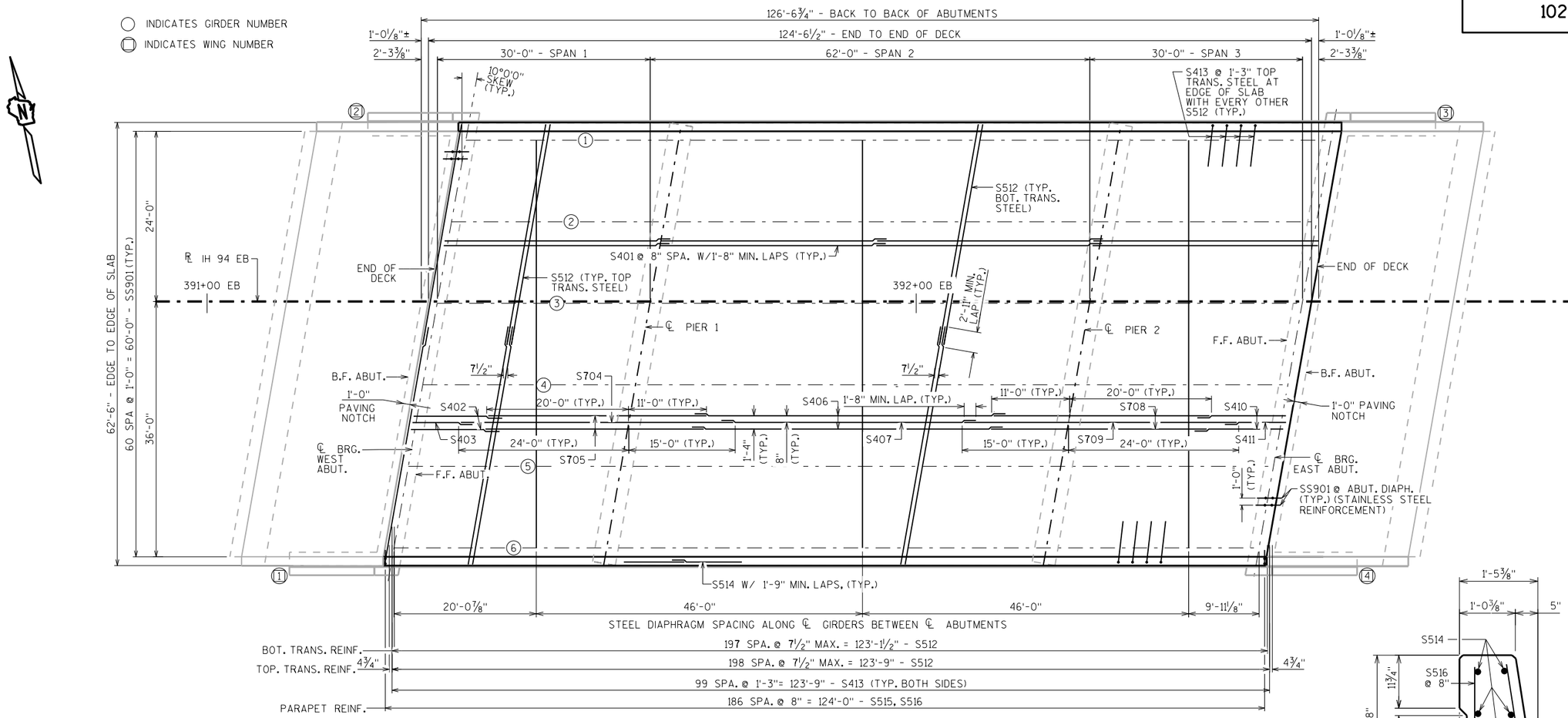
SCALE = 2.50

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STATE PROJECT NUMBER

1022-07-76

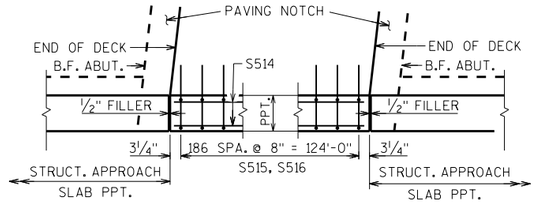


PLAN

TOP OF DECK ELEVATIONS

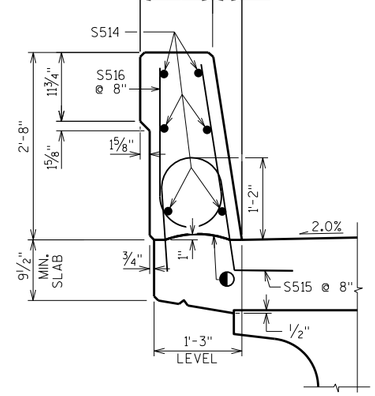
	℄ BRG. W. ABUT.	1/10 PT.	2/10 PT.	3/10 PT.	4/10 PT.	5/10 PT.	6/10 PT.	7/10 PT.	8/10 PT.	9/10 PT.	℄ BRG. PIER 1
NORTH END	1213.93	1213.95	1213.97	1213.99	1214.01	1214.02	1214.04	1214.06	1214.08	1214.10	1214.11
GIRDER 1	1213.95	1213.97	1213.99	1214.01	1214.03	1214.05	1214.07	1214.08	1214.10	1214.12	1214.14
GIRDER 2	1214.17	1214.19	1214.21	1214.23	1214.25	1214.26	1214.28	1214.30	1214.32	1214.34	1214.35
CROWN PT. PGL	1214.38	1214.40	1214.42	1214.44	1214.46	1214.48	1214.50	1214.51	1214.53	1214.55	1214.57
GIRDER 3	1214.38	1214.40	1214.42	1214.43	1214.45	1214.47	1214.49	1214.51	1214.53	1214.55	1214.56
GIRDER 4	1214.13	1214.15	1214.17	1214.19	1214.21	1214.23	1214.25	1214.27	1214.28	1214.30	1214.32
GIRDER 5	1213.89	1213.91	1213.93	1213.95	1213.97	1213.99	1214.00	1214.02	1214.04	1214.06	1214.08
GIRDER 6	1213.65	1213.67	1213.69	1213.70	1213.72	1213.74	1213.76	1213.78	1213.80	1213.82	1213.84
SOUTH END	1213.62	1213.64	1213.66	1213.68	1213.70	1213.72	1213.73	1213.75	1213.77	1213.79	1213.81

	℄ BRG. PIER 1	1/10 PT.	2/10 PT.	3/10 PT.	4/10 PT.	5/10 PT.	6/10 PT.	7/10 PT.	8/10 PT.	9/10 PT.	℄ BRG. PIER 2	1/10 PT.	2/10 PT.	3/10 PT.	4/10 PT.	5/10 PT.	6/10 PT.	7/10 PT.	8/10 PT.	9/10 PT.	℄ BRG. E. ABUT.
NORTH END	1214.11	1214.15	1214.19	1214.22	1214.25	1214.29	1214.32	1214.35	1214.38	1214.41	1214.44	1214.45	1214.47	1214.48	1214.49	1214.51	1214.52	1214.53	1214.55	1214.56	1214.57
GIRDER 1	1214.14	1214.17	1214.21	1214.24	1214.28	1214.31	1214.34	1214.37	1214.40	1214.43	1214.46	1214.48	1214.49	1214.50	1214.52	1214.53	1214.54	1214.56	1214.57	1214.58	1214.59
GIRDER 2	1214.35	1214.39	1214.43	1214.46	1214.50	1214.53	1214.56	1214.59	1214.62	1214.65	1214.68	1214.70	1214.71	1214.72	1214.74	1214.75	1214.76	1214.78	1214.79	1214.80	1214.81
CROWN PT. PGL	1214.57	1214.60	1214.64	1214.68	1214.71	1214.74	1214.78	1214.81	1214.84	1214.87	1214.90	1214.91	1214.93	1214.94	1214.95	1214.97	1214.98	1214.99	1215.01	1215.02	1215.03
GIRDER 3	1214.56	1214.60	1214.64	1214.67	1214.70	1214.74	1214.77	1214.80	1214.83	1214.86	1214.89	1214.91	1214.92	1214.94	1214.95	1214.96	1214.98	1214.99	1215.00	1215.01	1215.03
GIRDER 4	1214.32	1214.36	1214.39	1214.43	1214.46	1214.50	1214.53	1214.56	1214.59	1214.62	1214.65	1214.67	1214.68	1214.70	1214.71	1214.72	1214.74	1214.75	1214.76	1214.78	1214.79
GIRDER 5	1214.08	1214.12	1214.15	1214.19	1214.22	1214.26	1214.29	1214.32	1214.35	1214.38	1214.41	1214.43	1214.44	1214.46	1214.47	1214.48	1214.50	1214.51	1214.52	1214.54	1214.55
GIRDER 6	1213.84	1213.87	1213.91	1213.95	1213.98	1214.01	1214.05	1214.08	1214.11	1214.14	1214.17	1214.19	1214.20	1214.22	1214.23	1214.25	1214.26	1214.27	1214.29	1214.30	1214.31
SOUTH END	1213.81	1213.85	1213.88	1213.92	1213.95	1213.99	1214.02	1214.05	1214.09	1214.12	1214.15	1214.16	1214.18	1214.19	1214.20	1214.22	1214.23	1214.25	1214.26	1214.27	1214.28



PARTIAL PLAN DETAIL OF PARAPET REINF.

(SHOWING S.W. & S.E. CORNERS - DETAIL TYP. @ BOTH SIDES OF SUPERSTRUCTURE)



SECTION THRU PARAPET ON BRIDGE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-246

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SUPERSTRUCTURE

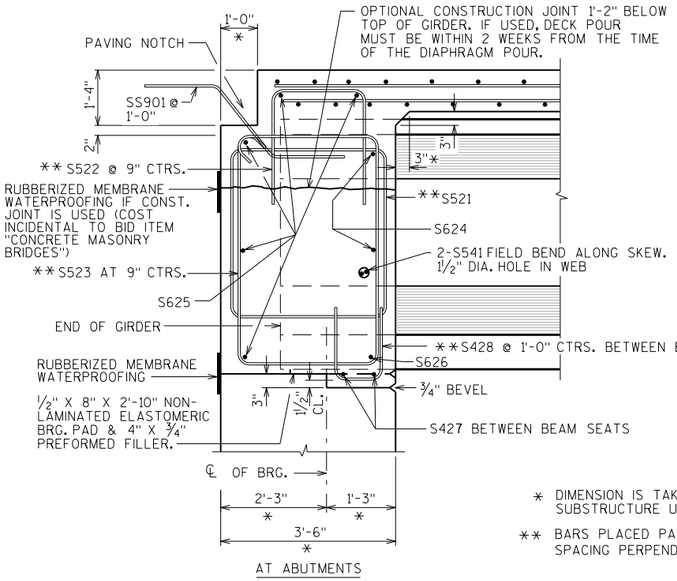
SHEET 16

795

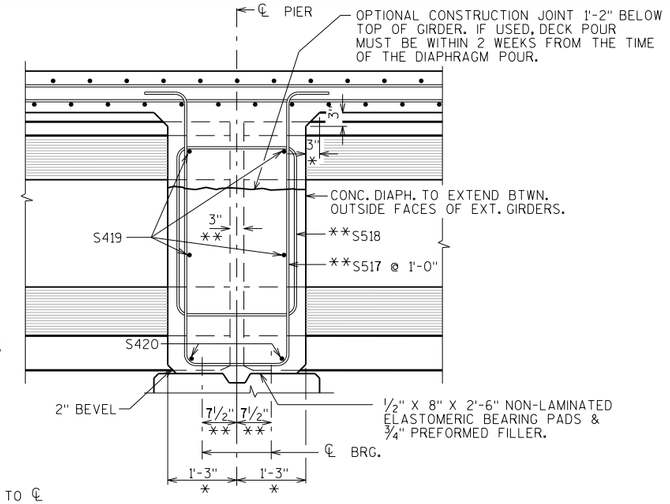
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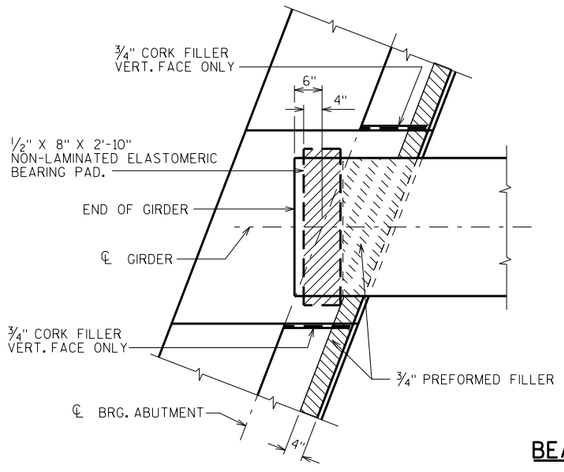
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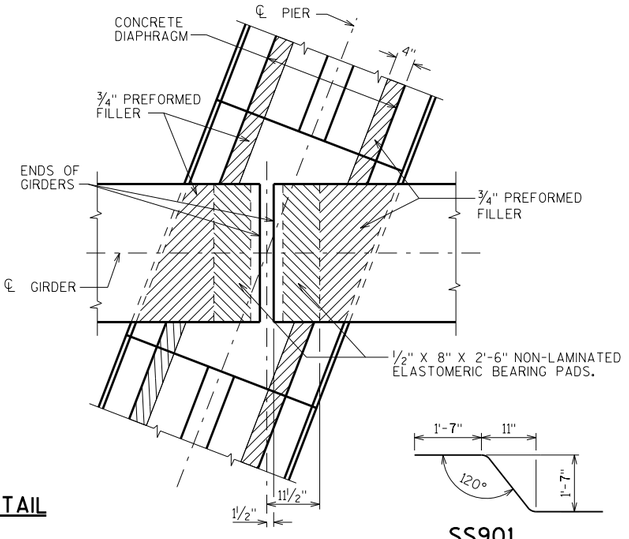
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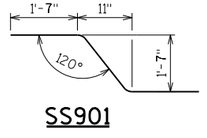
* DIMENSION IS TAKEN NORMAL TO ℄ SUBSTRUCTURE UNITS.

** BARS PLACED PARALLEL TO GIRDERS SPACING PERPENDICULAR TO ℄ GIRDERS

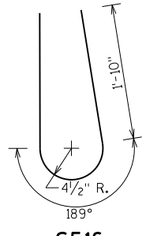


BEARING PAD DETAIL

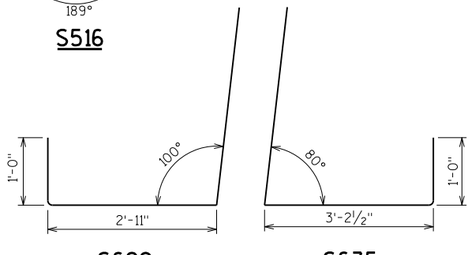




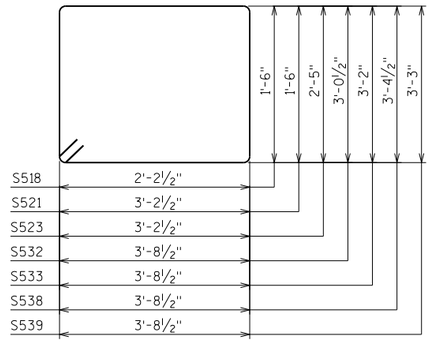
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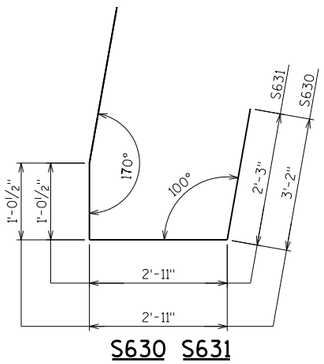
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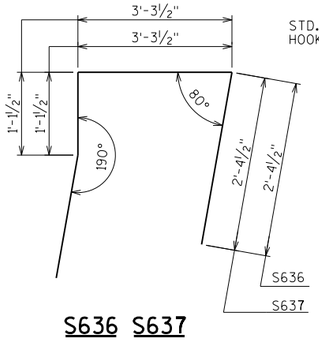
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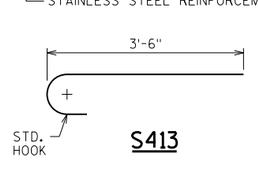
S518 S521 S523 S532 S533 S538 S539
(STIRRUP BARS)



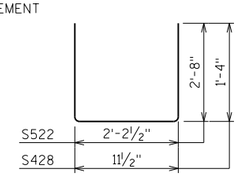
S630 S631



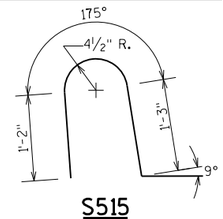
S636 S637



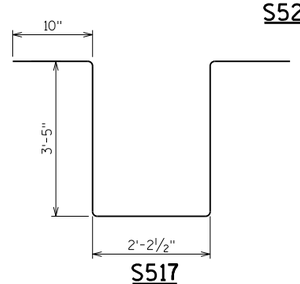
S413



S522 S428



S515



S517

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
S401	X	376	32'-6"		BOT. LONGIT.
S402	X	47	13'-0"		TOP LONGIT. WEST END
S403	X	46	8'-9"		TOP LONGIT. WEST END
S704	X	46	39'-0"		TOP LONGIT. SPAN 1/2 OVER PIER 1
S705	X	47	31'-0"		TOP LONGIT. SPAN 1/2 OVER PIER 1
S406	X	47	43'-4"		TOP LONGIT. SPAN 2
S407	X	46	35'-4"		TOP LONGIT. SPAN 2
S708	X	47	31'-0"		TOP LONGIT. SPAN 2/3 OVER PIER 2
S709	X	46	39'-0"		TOP LONGIT. SPAN 2/3 OVER PIER 2
S410	X	47	13'-0"		TOP LONGIT. EAST END
S411	X	46	8'-9"		TOP LONGIT. EAST END
S512	X	794	33'-0"		TRANS. TOP AND BOT.
S413	X	200	4'-0"	X	TRANS. TOP BOTH EDGES OF DECK
S514	X	36	43'-6"		PARAPETS-BOTH FACES-HORIZ.-LONGIT.-AT BOTH SIDES
S515	X	374	4'-5"	X	PARAPETS/SLAB-VERTICAL-TRANSVERSE-AT BOTH SIDES
S516	X	374	5'-0"	X	PARAPETS-VERTICAL-TRANSVERSE-AT BOTH SIDES
S517	X	90	10'-3"	X	PIER 1 & 2 DIAPHS. VERT.
S518	X	20	8'-1"	X	PIER 1 & 2 DIAPHS. VERT.
S419	X	80	6'-2"		PIER 1 & 2 DIAPHS. HORIZ.
S420	X	40	5'-0"		PIER 1 & 2 DIAPHS. HORIZ.
S521	X	24	10'-1"	X	ABUT. DIAPH. - VERT. UNDER GIRDER FLANGES
S522	X	128	7'-4"	X	ABUT. DIAPH. - VERT. ENDS BTWN. GIRDERS
S523	X	128	11'-11"	X	ABUT. DIAPH. - VERT. ENDS BTWN. GIRDERS
S624	X	40	6'-3"		ABUT. DIAPH. - HORIZ. BTWN. GIRDERS
S625	X	20	34'-10"		ABUT. DIAPH. B.F. WALL - HORIZ.
S626	X	10	8'-10"		ABUT. DIAPH. - HORIZ. BTWN. GIRDERS
S427	X	20	7'-9"		ABUT. DIAPH. - HORIZ. BTWN. GIRDERS
S428	X	90	3'-6"	X	ABUT. DIAPH. - VERT. BTWN. GIRDERS
S629	X	2	6'-9"	X	ABUT. DIAPH. - HORIZ. ENDS WINGS 1 AND 3
S630	X	4	10'-4"	X	ABUT. DIAPH. - HORIZ. ENDS WINGS 1 AND 3
S631	X	2	9'-0"	X	ABUT. DIAPH. - HORIZ. ENDS WINGS 1 AND 3
S532	X	2	14'-2"	X	ABUT. DIAPH. - VERT. ENDS WINGS 1 AND 3
S533	X	2	14'-5"	X	ABUT. DIAPH. - VERT. ENDS WINGS 1 AND 3
S434	X	4	3'-7"		ABUT. DIAPH. - VERT. ENDS WINGS 1 AND 3
S635	X	2	7'-2"	X	ABUT. DIAPH. - HORIZ. ENDS WINGS 2 AND 4
S636	X	4	10'-9"	X	ABUT. DIAPH. - HORIZ. ENDS WINGS 2 AND 4
S637	X	2	9'-1"	X	ABUT. DIAPH. - HORIZ. ENDS WINGS 2 AND 4
S538	X	2	14'-10"	X	ABUT. DIAPH. - VERT. ENDS WINGS 2 AND 4
S539	X	2	14'-7"	X	ABUT. DIAPH. - VERT. ENDS WINGS 2 AND 4
S440	X	4	3'-7"		ABUT. DIAPH. - VERT. ENDS WINGS 2 AND 4
S541	X	24	6'-0"		ABUT. DIAPH. - HORIZ. THRU GIRDER
SS901		126	5'-0"	X	APPROACH SLAB-HORIZ.-LONGIT.-AT PAVING NOTCHES

STAINLESS STEEL REINFORCEMENT

STATE PROJECT NUMBER

1022-07-76

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-246

DRAWN BY JJS | PLANS CK'D. NAR

SUPERSTRUCTURE DETAILS & BAR DETAILS

SHEET 17

796

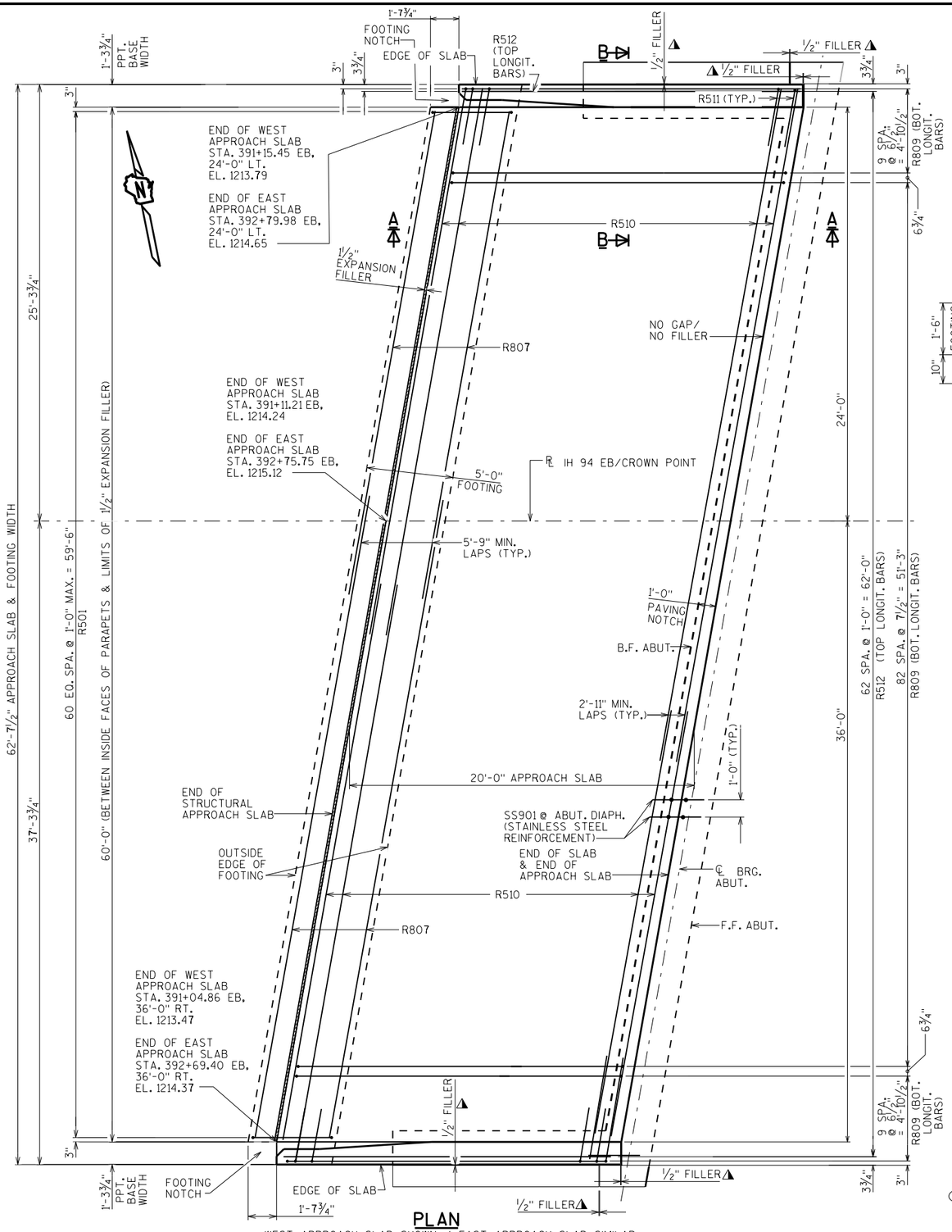
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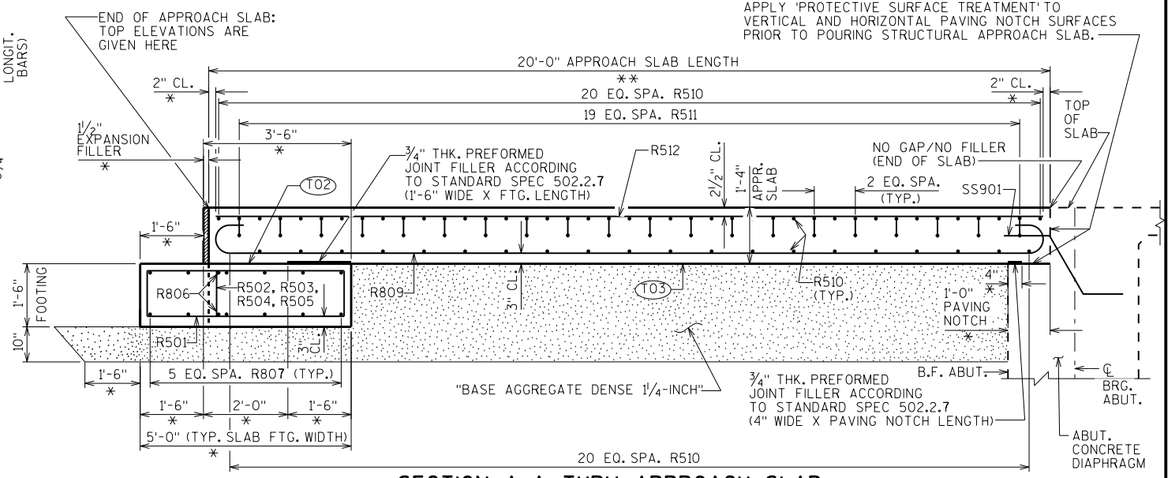
STATE PROJECT NUMBER

1022-07-76



PLAN

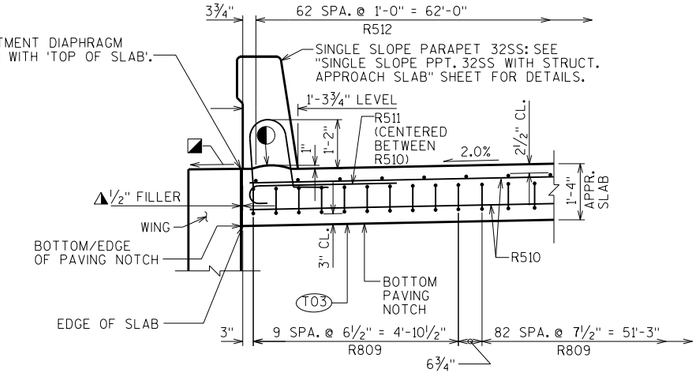
WEST APPROACH SLAB SHOWN / EAST APPROACH SLAB SIMILAR



SECTION A-A THRU APPROACH SLAB

WEST APPROACH SLAB SHOWN / EAST APPROACH SLAB SIMILAR

*DIMENSION IS TAKEN NORMAL TO ℄ BRG. ABUTS.



SECTION B-B (EDGE OF SLAB DETAIL)

*DIMENSION IS TAKEN NORMAL TO ℄ BRG. ABUTS.

**DIMENSION IS TAKEN PARALLEL TO ℄ IH 94 EB. BARS PLACED PARALLEL TO ℄ IH 94 EB. BARS SPACING PERPENDICULAR TO ℄ IH 94 EB.

DESIGN DATA

ALLOWABLE SOIL BEARING PRESSURE: 2,000 P.S.F.

THE EXISTING SOIL MAY REMAIN IN PLACE IF THE REGION SOILS ENGINEER DETERMINES THAT THE EXISTING SOIL BEARING PRESSURE MEETS THE REQUIREMENT ABOVE.

◪ FINISH SMOOTH - SLOPE TO DRAIN

◐ 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 TOP OF 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-55-246

DRAWN BY JJS | PLANS CK'D. NAR

STRUCTURAL APPROACH SLABS

SHEET 18

797

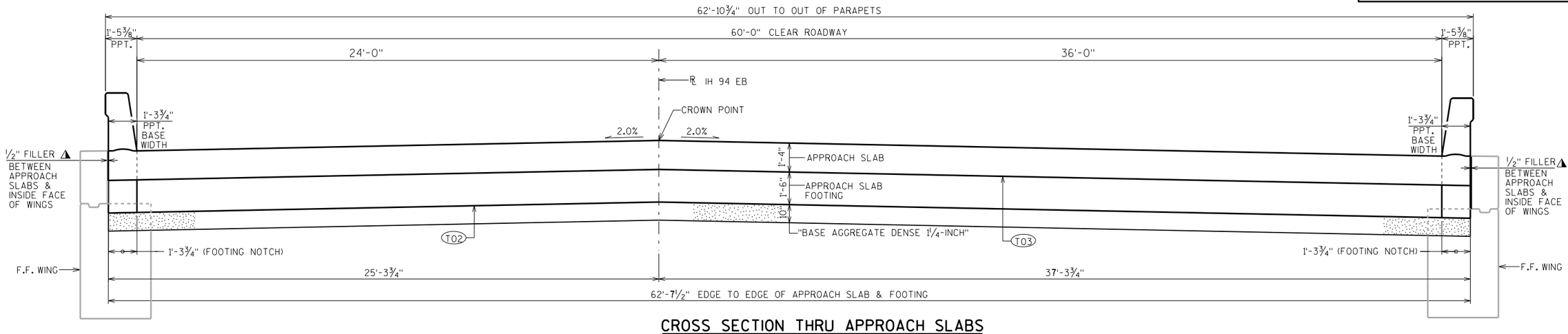
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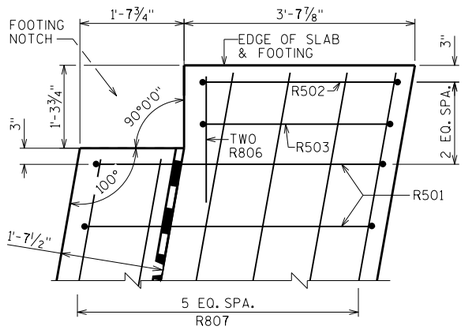
STATE PROJECT NUMBER

1022-07-76

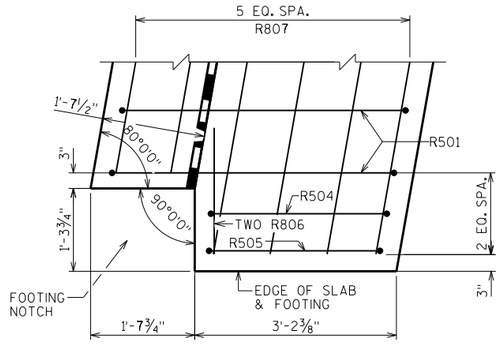


CROSS SECTION THRU APPROACH SLABS

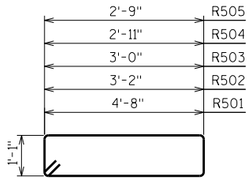
(LOOKING EAST)
(CROSS SECTION PERPENDICULAR TO ℄ IH 94 EB)



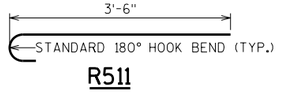
SLAB FOOTING PLAN DETAIL @ NW & SE CORNERS



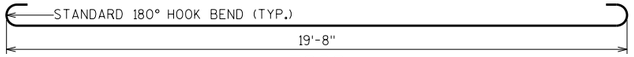
SLAB FOOTING PLAN DETAIL @ SW & NE CORNERS



R501 R502 R503
R504 R505



R511



R809

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	LOCATION
R501	X	61	61	12'-2"	X	FOOTING-VERTICAL-LONGITUDINAL-STIRRUP BAR-AT CENTER
R502	X	1	1	9'-2"	X	FOOTING-VERTICAL-LONGITUDINAL-STIRRUP BAR-AT WINGS 2&4 ENDS ONLY
R503	X	1	1	8'-10"	X	FOOTING-VERTICAL-LONGITUDINAL-STIRRUP BAR-AT WINGS 2&4 ENDS ONLY
R504	X	1	1	8'-8"	X	FOOTING-VERTICAL-LONGITUDINAL-STIRRUP BAR-AT WINGS 1&3 ENDS ONLY
R505	X	1	1	8'-4"	X	FOOTING-VERTICAL-LONGITUDINAL-STIRRUP BAR-AT WINGS 1&3 ENDS ONLY
R806	X	4	4	2'-0"		FOOTING-TOP & BOTTOM-HORIZONTAL-TRANSVERSE-AT ENDS ONLY
R807	X	24	24	34'-6"		FOOTING-TOP & BOTTOM-HORIZONTAL-TRANSVERSE
NOT USED						
R809	X	103	103	21'-6"	X	SLAB-BOTTOM-VERTICAL-LONGITUDINAL
R510	X	84	84	33'-2"		SLAB-TOP & BOTTOM-HORIZONTAL-TRANSVERSE
R511	X	40	40	4'-1"	X	SLAB-TOP-VERTICAL-TRANSVERSE-AT BOTH EDGES
R512	X	63	63	19'-8"		SLAB-TOP-HORIZONTAL-LONGITUDINAL

T02 STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF 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-55-246

DRAWN BY JJS | PLANS CK'D. NAR

STRUCTURAL APPROACH SLAB & BAR DETAILS

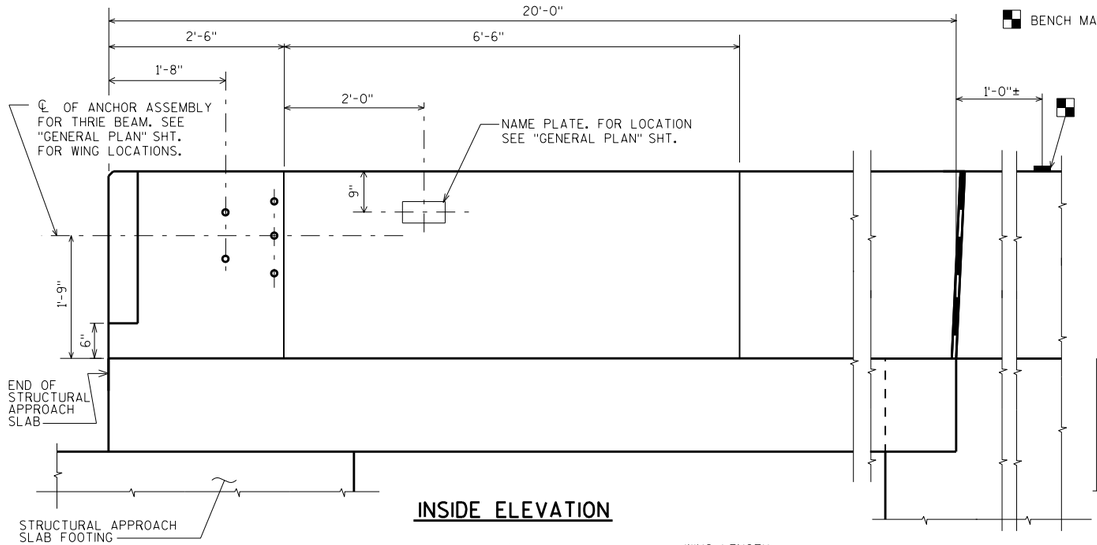
SHEET 19

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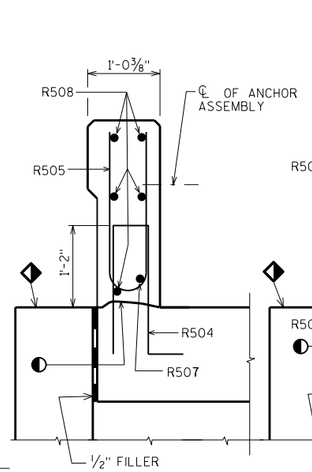
STATE PROJECT NUMBER

1022-07-76

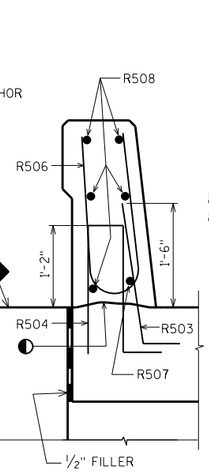


INSIDE ELEVATION

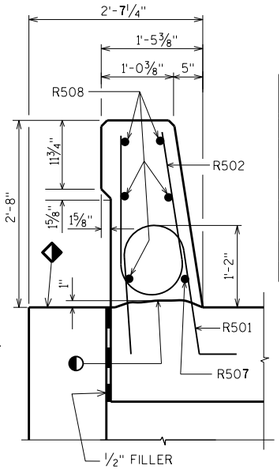
BENCH MARK CAP (WHEN SUPPLIED).



SECTION A



SECTION B

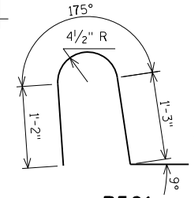


SECTION C

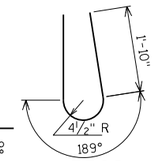
BILL OF BARS

FOR STRUCTURAL APPROACH SLAB PARAPETS

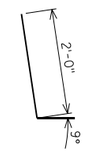
BAR MARK	COAT	W. APP. ABUT.	E. APP. ABUT.	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	34	34	4'-5"	X		PARAPET VERT.
R502	X	34	34	5'-0"	X		PARAPET VERT.
R503	X	24	24	2'-9"	X		PARAPET VERT.
R504	X	34	34	4'-4"	X		PARAPET VERT.
R505	X	22	22	4'-9"	X		PARAPET VERT.
R506	X	12	12	4'-10"	X		PARAPET VERT.
R507	X	2	2	19'-6"	X		PARAPET HORIZ.
R508	X	10	10	19'-6"			PARAPET HORIZ.



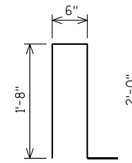
R501



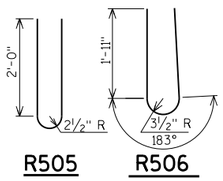
R502



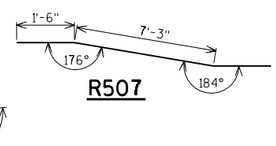
R503



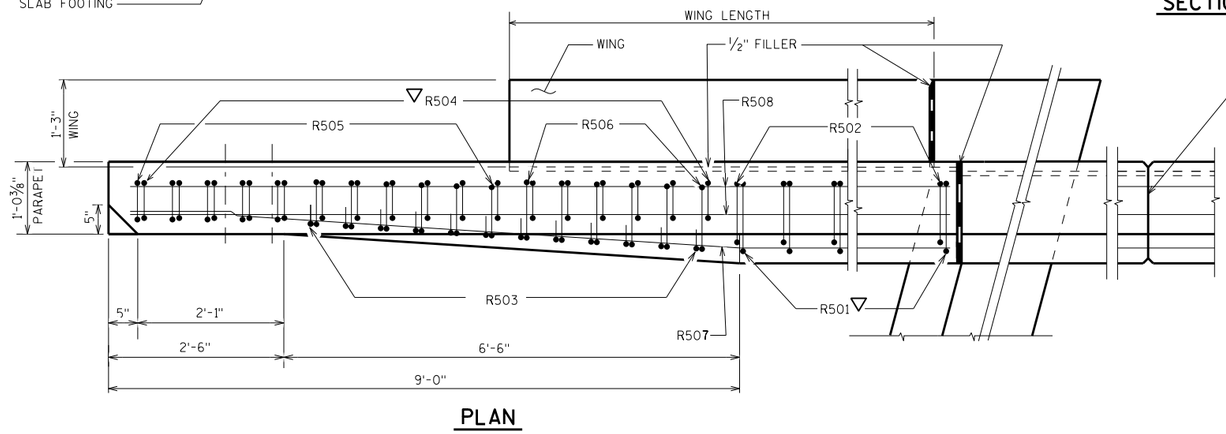
R504



R505 R506

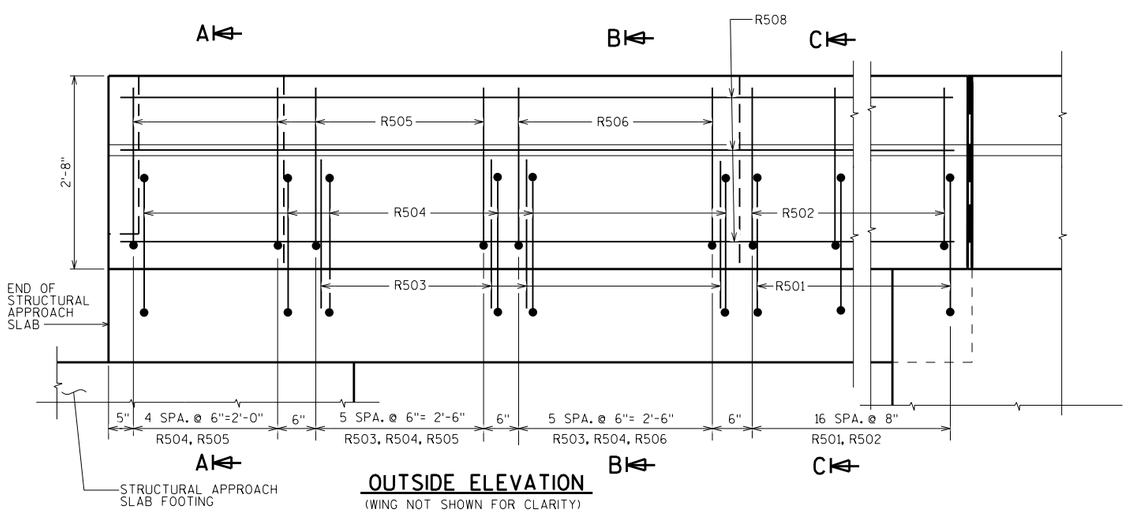


R507



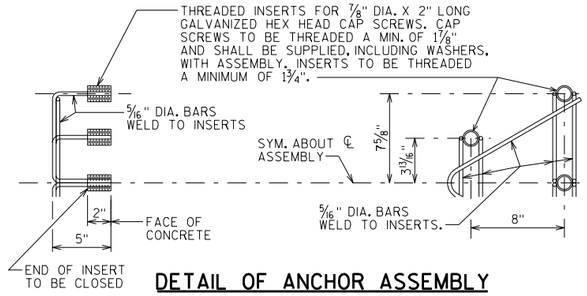
PLAN

OPTIONAL CONSTRUCTION JOINTS IN THE PARAPETS MAY BE USED. RUN BAR REINF. THRU THE JOINT. LAP LONGIT. BARS A MIN. OF 1'-9". MIN. JOINT SPACING OF 80'-0". DEFINE CONST. JOINT WITH A ¾" - 'V' GROOVE.



OUTSIDE ELEVATION

(WING NOT SHOWN FOR CLARITY)



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.

◆ SLOPE FOR DRAINAGE

◐ CONST. JOINT - STRIKE OFF AS SHOWN.

▽ R501 AND R504 BARS TO BE TIED TO STRUCTURAL APPROACH SLAB STEEL BEFORE STRUCTURAL APPROACH SLAB IS POURED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-246

DRAWN BY JJS | PLANS CK'D. NAR

SINGLE SLOPE PPT. 32SS WITH STRUCT. APPROACH SLAB

SHEET 20

799

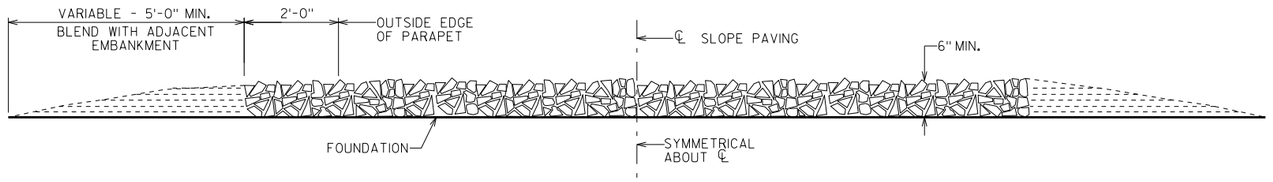
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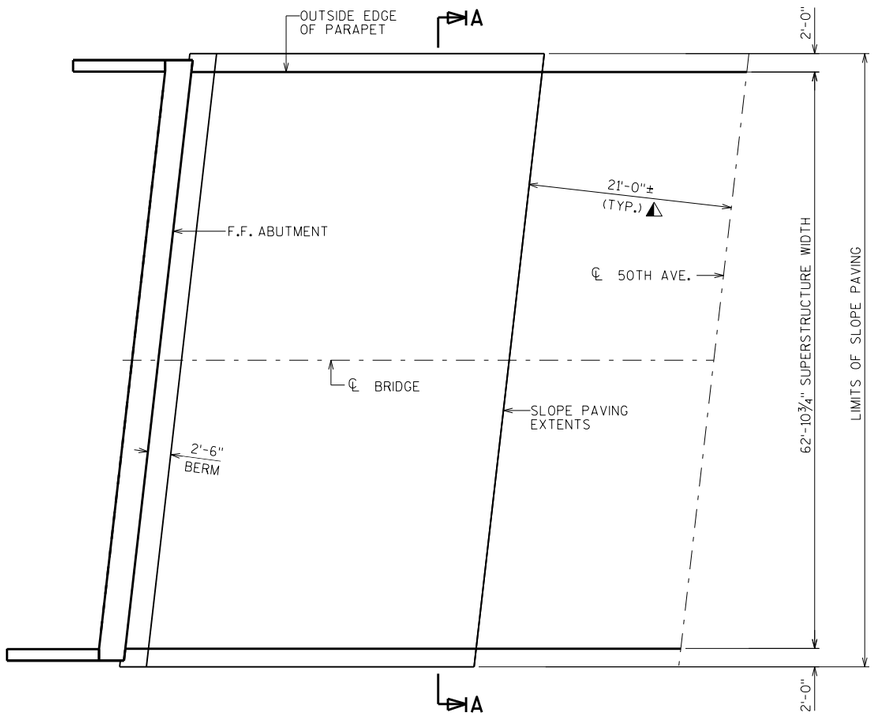
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STATE PROJECT NUMBER

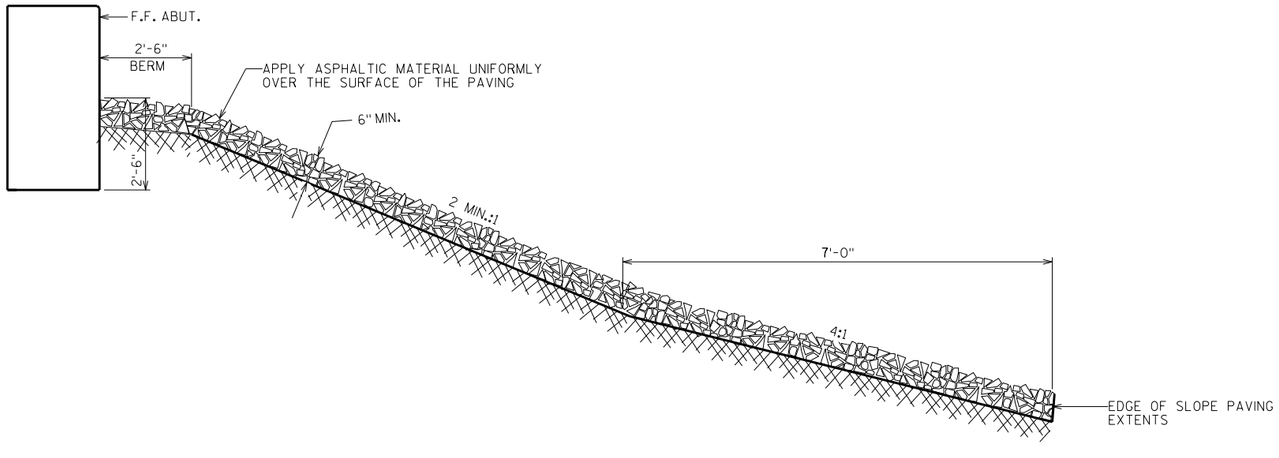
1022-07-76



SECTION A-A



PLAN



STANDARD CROSS SECTION THRU CRUSHED AGGREGATE

ROUND STONE WILL NOT BE ACCEPTED

⚠ MEASURED PERPENDICULAR TO ℄ 50TH AVE.

GENERAL NOTES

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

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-55-246

DRAWN BY JJS | PLANS CK'D. NAR

SLOPE PAVING, CRUSHED AGGREGATE

SHEET 21

800

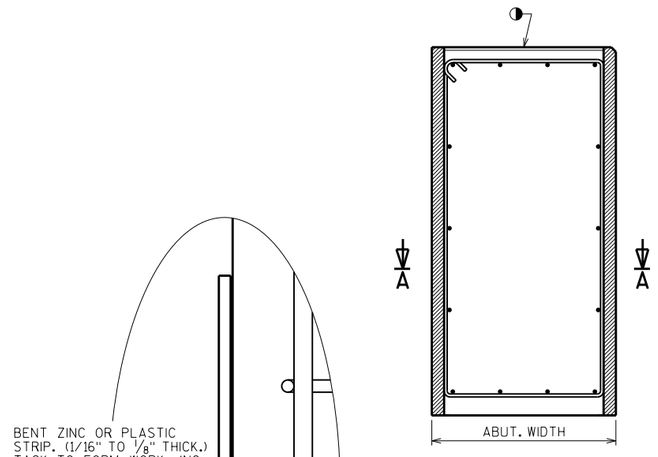
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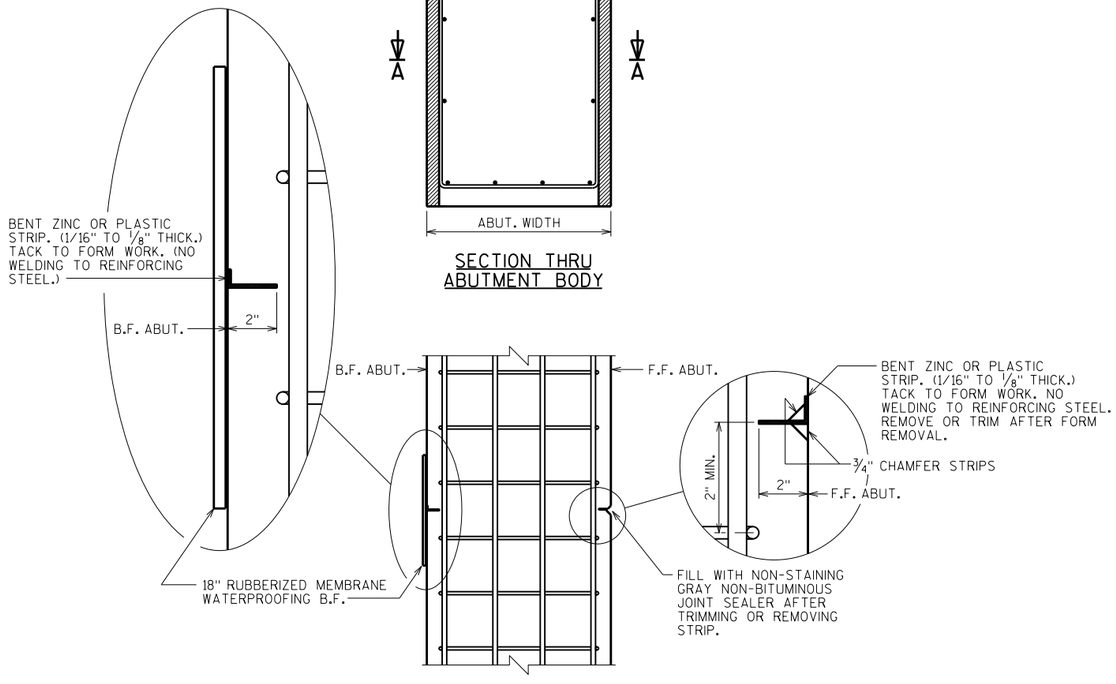
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STATE PROJECT NUMBER

1022-07-76



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-55-246

DRAWN BY JJS | PLANS CK'D. NAR

ALTERNATE CONSTRUCTION JOINT

SHEET 22

801

SCALE = 1.00

8

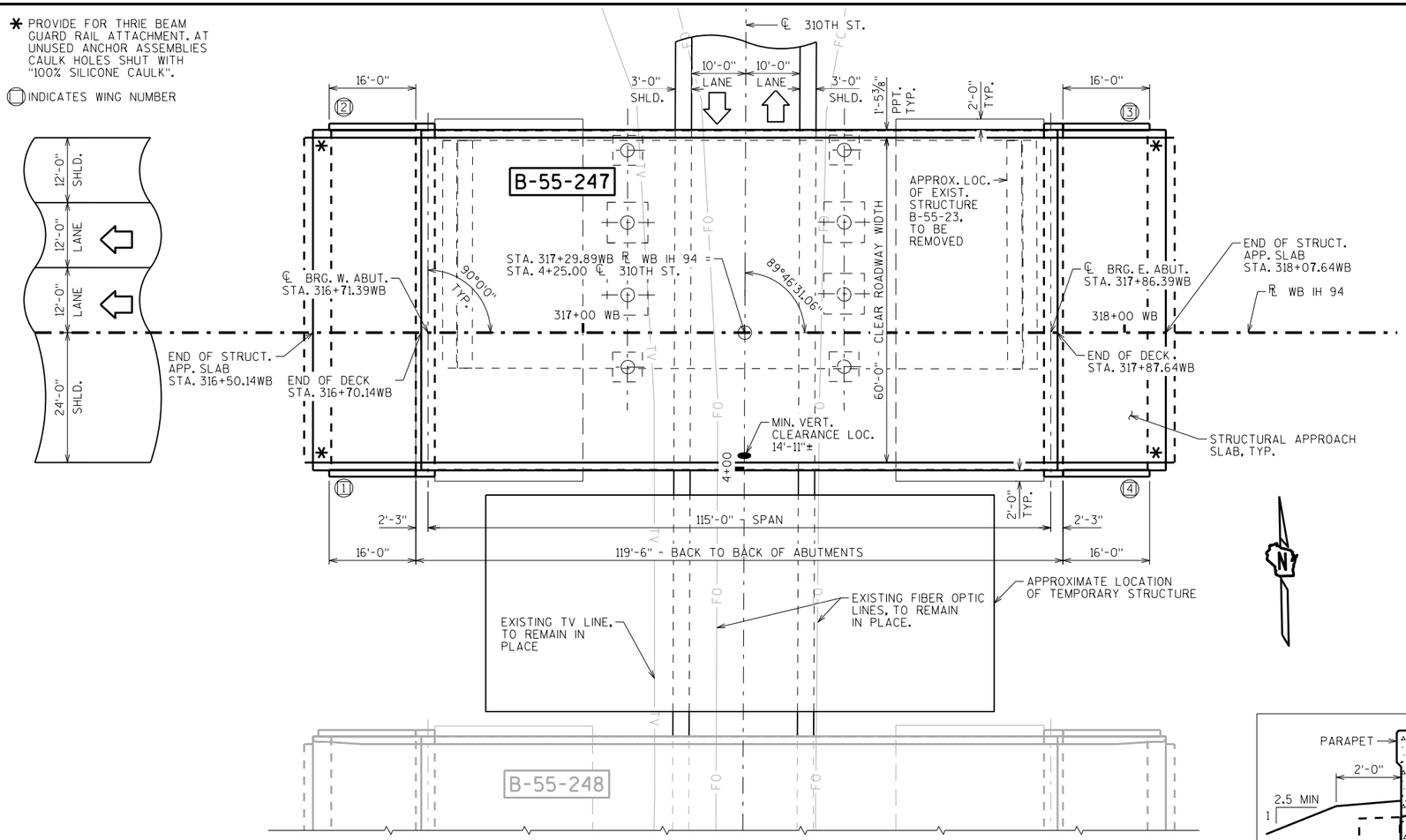
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STATE PROJECT NUMBER

1022-07-76

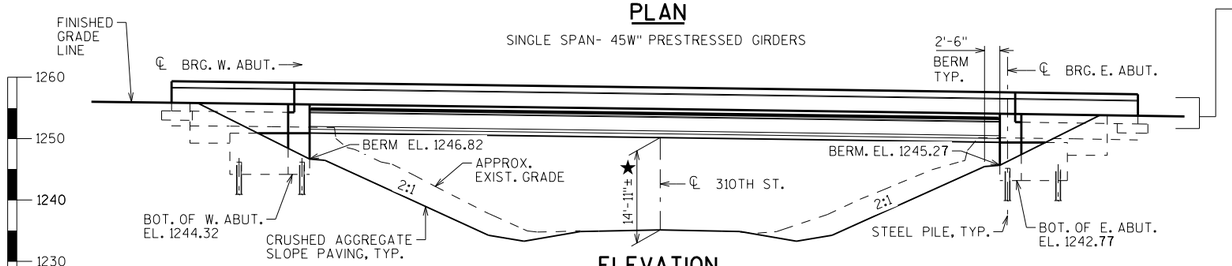
* PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT. AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

⬡ INDICATES WING NUMBER



PLAN

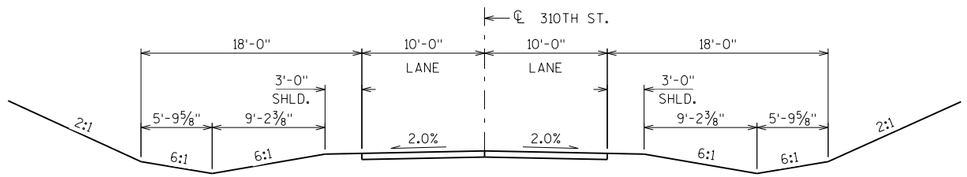
SINGLE SPAN- 45W" PRESTRESSED GIRDERS



ELEVATION

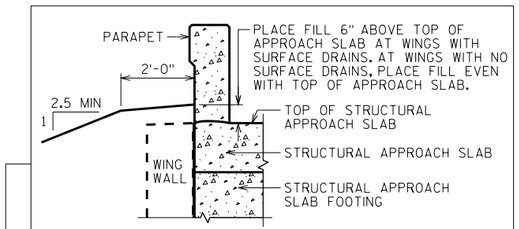
NORMAL TO 310TH ST.
LOOKING NORTH

★ MINIMUM VERTICAL CLEARANCE



TYPICAL CROSS SECTION THRU 310TH ST.

NORMAL TO 310TH ST.
LOOKING NORTH



TYPICAL FILL SECTION AT END OF STRUCTURAL APPROACH SLABS

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.12
OPERATING RATING FACTOR: RF = 1.85
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 SLAB — 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.

45W" 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 HP 10X42 STEEL PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 180 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
ESTIMATED 40'-0" LONG - (PILE POINTS REQ'D. @ 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 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

TRAFFIC VOLUME

IH 94 WB
ADT = 45,000 (2039)
R.D.S. = 70 M.P.H.

310TH ST.
ADT = 275 (2039)
R.D.S. = 60 M.P.H.

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. 45W" PRESTRESSED GIRDER DETAILS 1
9. 45W" PRESTRESSED GIRDER DETAILS 2
10. STEEL DIAPHRAGM
11. SUPERSTRUCTURE
12. SUPERSTRUCTURE DETAILS
13. STRUCTURAL APPROACH SLABS
14. PARAPET 42SS WITH STRUCTURAL APPROACH SLAB
15. SLOPE PAVING (CRUSHED AGGREGATE)
16. ALTERNATE CONSTRUCTION JOINT

STRUCTURE DESIGN CONTACTS:
AIHAM ALSKIF (608) 261-6113
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION — BUREAU OF STRUCTURES

ACCEPTED William C. Dreher 8/1/18
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-55-247

IH 94 WB OVER 310 ST.

COUNTY	TOWN
ST. CROIX	CADY

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
AA	MJK	MJK/DDS	AA

GENERAL PLAN

SHEET 1 OF 16

802

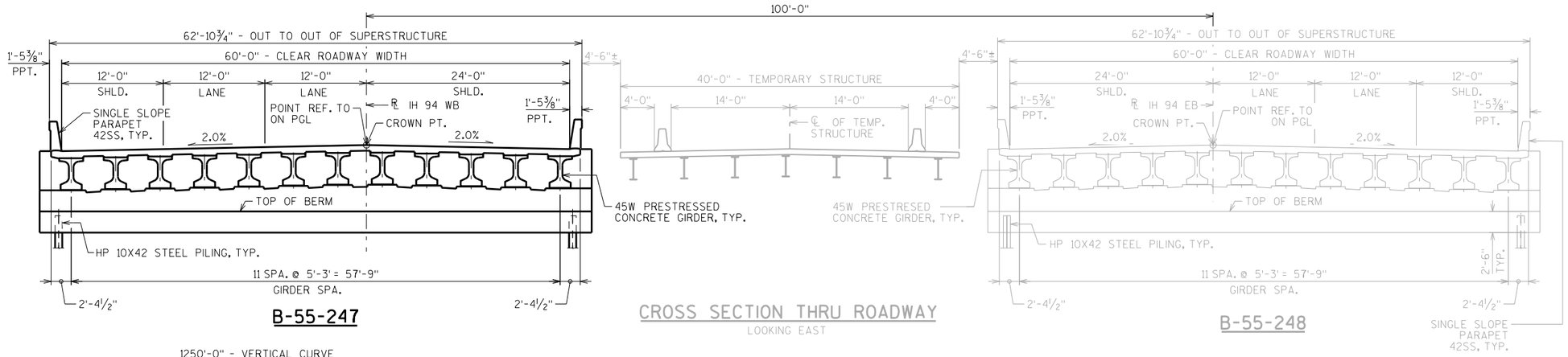
I.D. 1022-07-06B

DATE: JULY 2018

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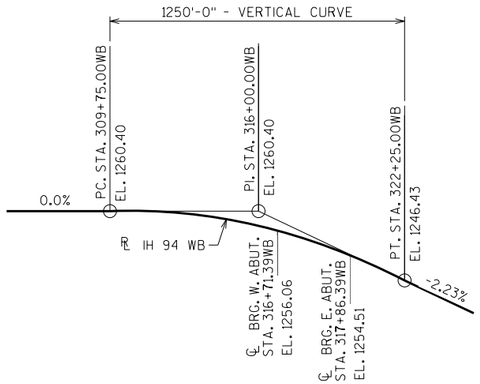
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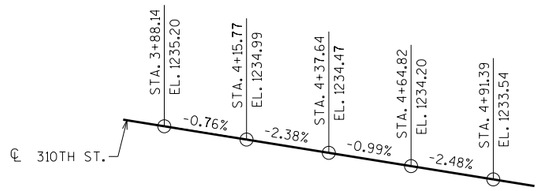
B-55-247

CROSS SECTION THRU ROADWAY
LOOKING EAST

B-55-248



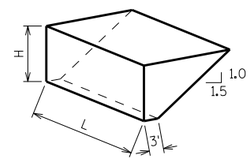
PROFILE GRADE LINE - ℄ IH 94 WB



PROFILE GRADE LINE - ℄ 310TH ST.

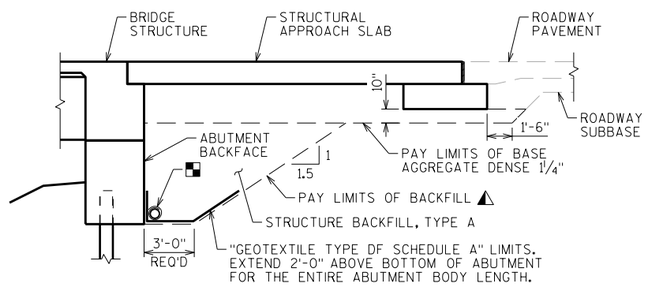
TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	WEST APPROACH	WEST ABUT.	EAST ABUT.	EAST APPROACH	TOTALS
203.0200	REMOVING OLD STRUCTURE STA. 317+29.89 WB	LS	——	——	——	——	——	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-55-247	LS	——	——	——	——	——	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	——	——	315	315	——	630
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	——	——	206	206	——	412
502.0100	CONCRETE MASONRY BRIDGES	CY	317	85	81	80	85	648
502.3200	PROTECTIVE SURFACE TREATMENT	SY	817	134	——	——	134	1,085
502.3210	PIGMENTED SURFACE SEALER	SY	116	20	——	——	20	156
503.0146	PRESTRESSED GIRDER TYPE I 45W-INCH	LF	1,392	——	——	——	——	1,392
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	——	——	4,655	4,590	——	9,245
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	42,405	14,295	2,110	2,065	14,295	75,170
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	2,150	——	——	——	——	2,150
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	24	——	——	——	——	24
506.4000	STEEL DIAPHRAGMS B-55-247	EACH	22	——	——	——	——	22
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	——	——	18	18	——	36
526.0100	TEMPORARY STRUCTURE STA. 317+29.70	LS	——	——	——	——	——	1
550.0500	PILE POINTS	EACH	——	——	——	18	——	18
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF	——	——	720	720	——	1,440
604.0500	SLOPE PAVING CRUSHED AGGREGATE	SY	——	——	215	210	——	425
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	——	——	110	110	——	220
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	4	——	——	——	——	4
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	——	——	62	62	——	124
	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

1022-07-76

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-55-247" 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. ALSO EXCLUDED IS THE "BASE AGGREGATE DENSE 1 1/4-INCH" AS DETAILED ON THE STRUCTURAL APPROACH SLAB SHEETS.

EXCAVATION BELOW THE ABUTMENT AND USE OF 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 PROTECTIVE 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 "45W PRESTRESSED GIRDER DETAILS 2" SHEET.

THE EXISTING STRUCTURE B-55-23, IS A 3 SPAN SLAB SPAN BRIDGE WITH CONCRETE ABUTMENTS AND PIERS IS TO BE REMOVED.

TEMPORARY SHORING IS INCLUDED IN THE BID ITEM "TEMPORARY STRUCTURE STA. 317+29.70"

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-247

DRAWN BY DDS | PLANS CK'D. AA

CROSS SECTION & QUANTITIES

SHEET 2

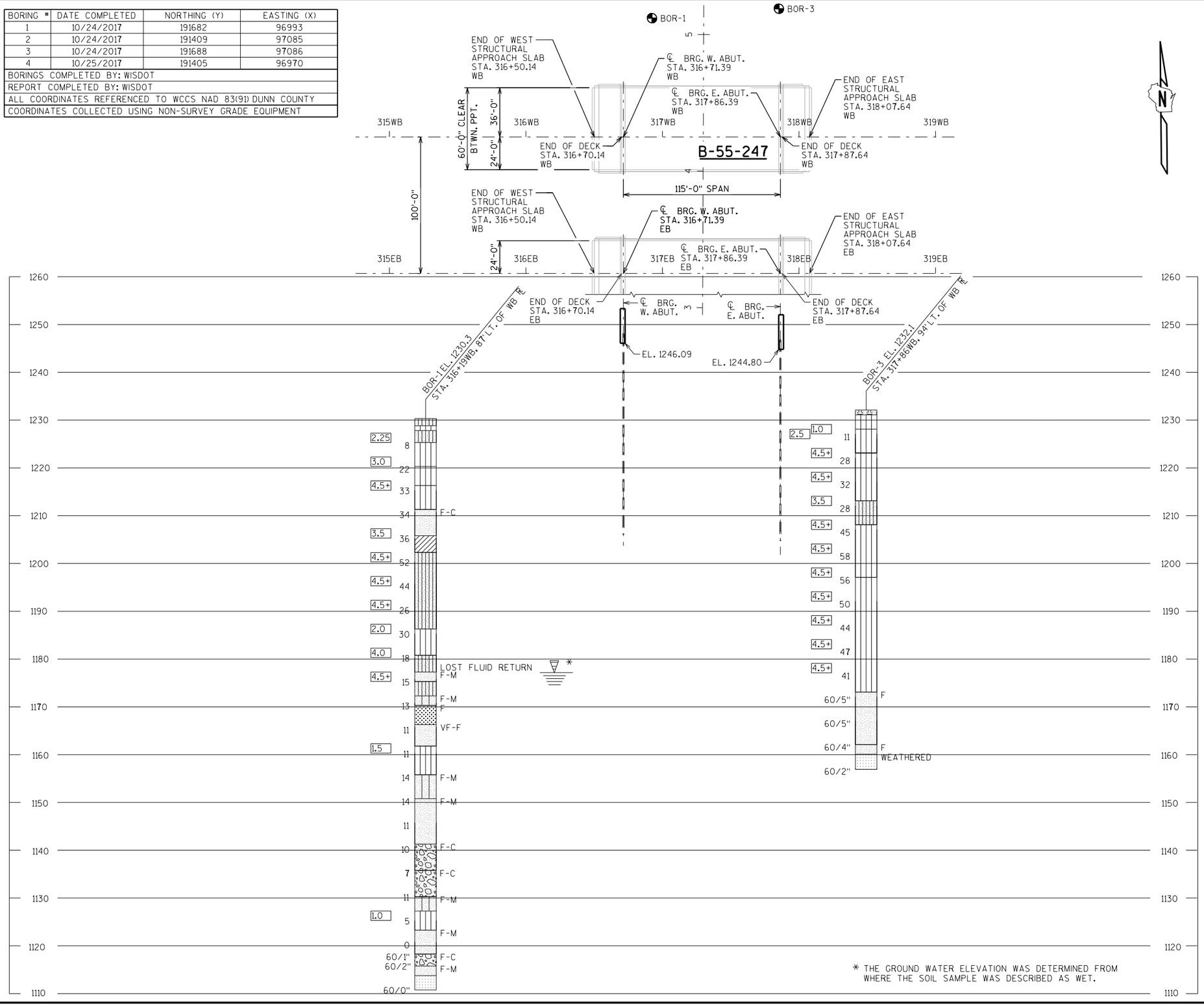
803

SCALE = 7.00

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8

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	10/24/2017	191682	96993
2	10/24/2017	191409	97085
3	10/24/2017	191688	97086
4	10/25/2017	191405	96970
BORINGS COMPLETED BY: WISDOT			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) DUNN COUNTY			
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT			



* THE GROUND WATER ELEVATION WAS DETERMINED FROM WHERE THE SOIL SAMPLE WAS DESCRIBED AS WET.

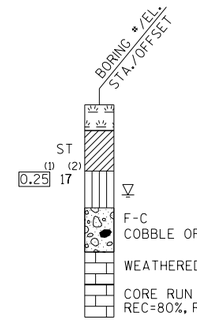
STATE PROJECT NUMBER

1022-07-76

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-55-247

DRAWN BY TLP/DDS | PLANS CK'D. AA

SUBSURFACE EXPLORATION

SHEET 3

804

SCALE = 35.00

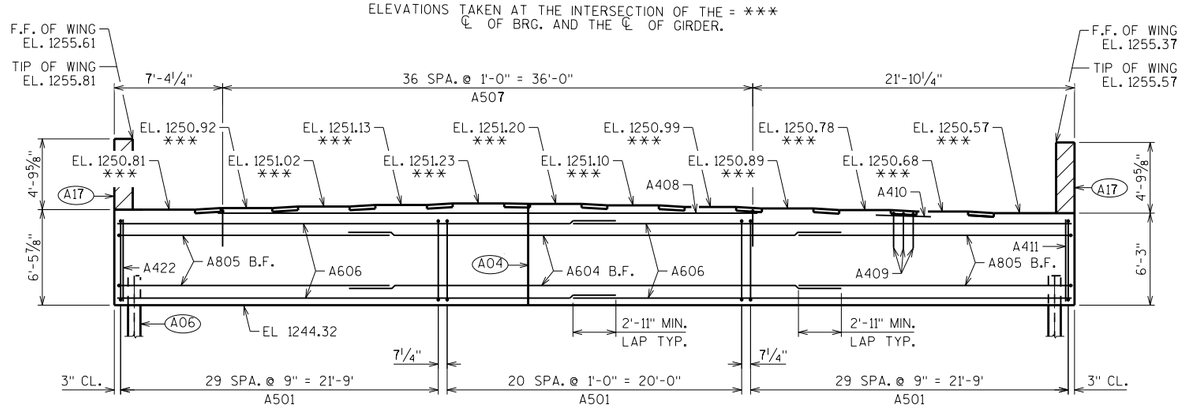
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STATE PROJECT NUMBER

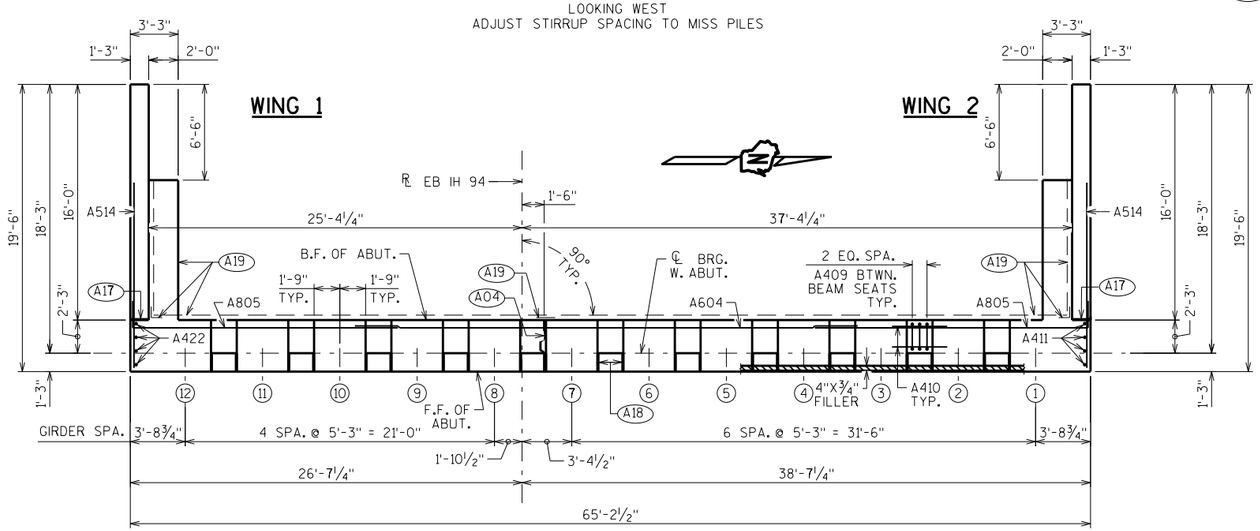
1022-07-76

ELEVATIONS TAKEN AT THE INTERSECTION OF THE ℄ = ***
℄ OF BRG. AND THE ℄ OF GIRDER.

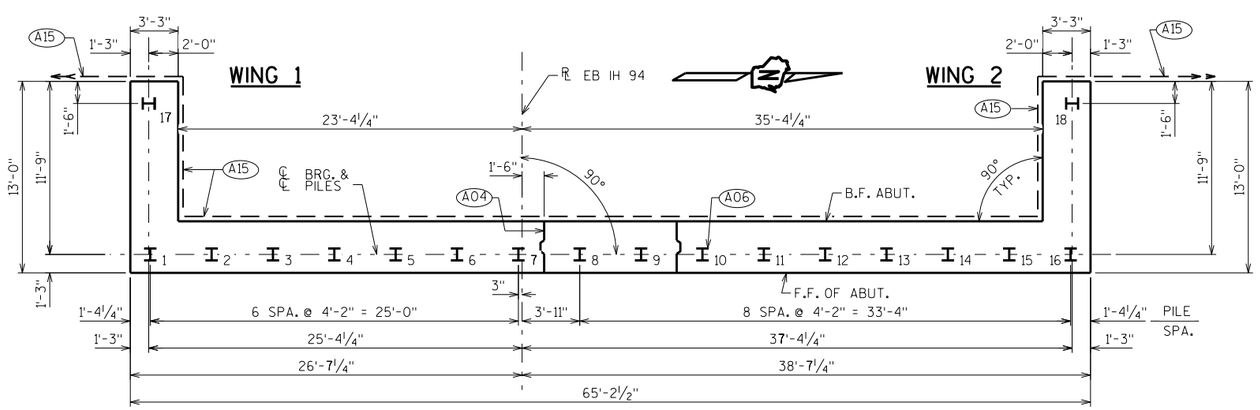


ELEVATION

LOOKING WEST
ADJUST STIRRUP SPACING TO MISS PILES



PLAN



PILE PLAN

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.

A06 SUPPORT ABUTMENT ON HP 10 x 42 STEEL PILING, ESTIMATED 40'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE.

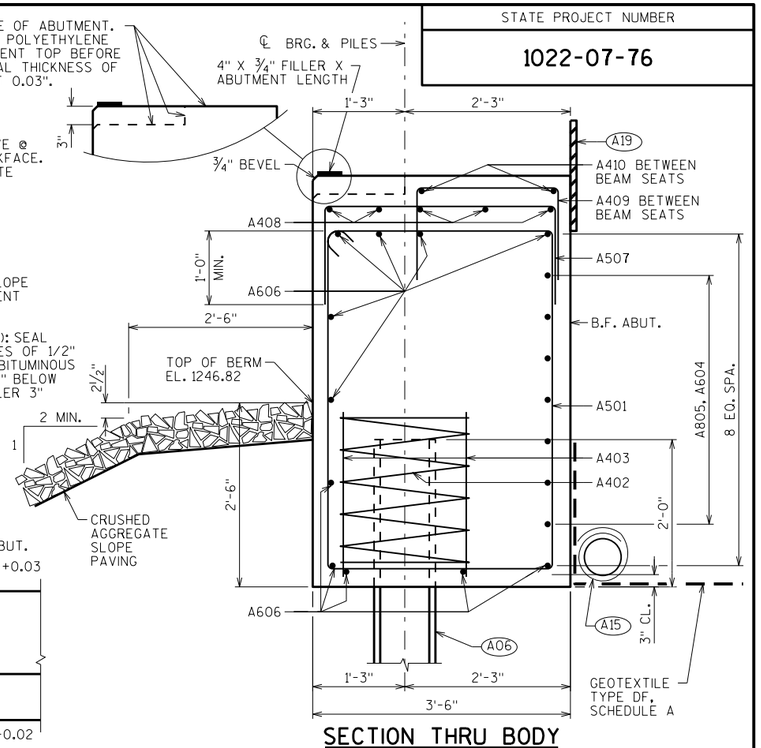
A15 PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

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.

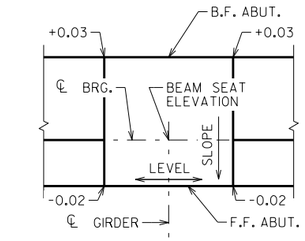
A18 3/4" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

A19 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

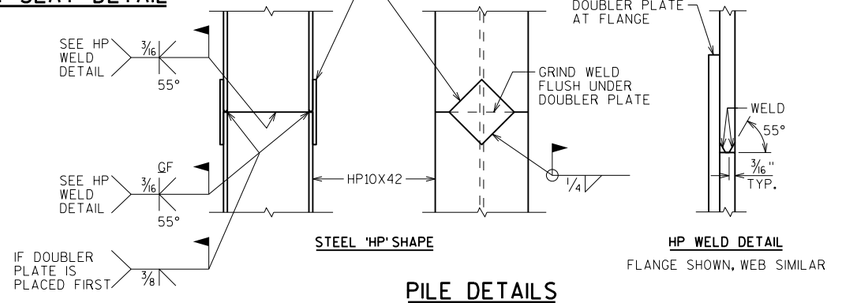
STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING BEARING PADS. TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03".



SECTION THRU BODY



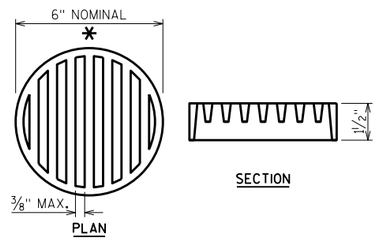
SLOPED BEAM SEAT DETAIL



STEEL 'HP' SHAPE

HP WELD DETAIL
FLANGE SHOWN, WEB SIMILAR

PILE DETAILS



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.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-247

DRAWN BY DDS | PLANS CK'D. AA

WEST ABUTMENT

SHEET 4

805

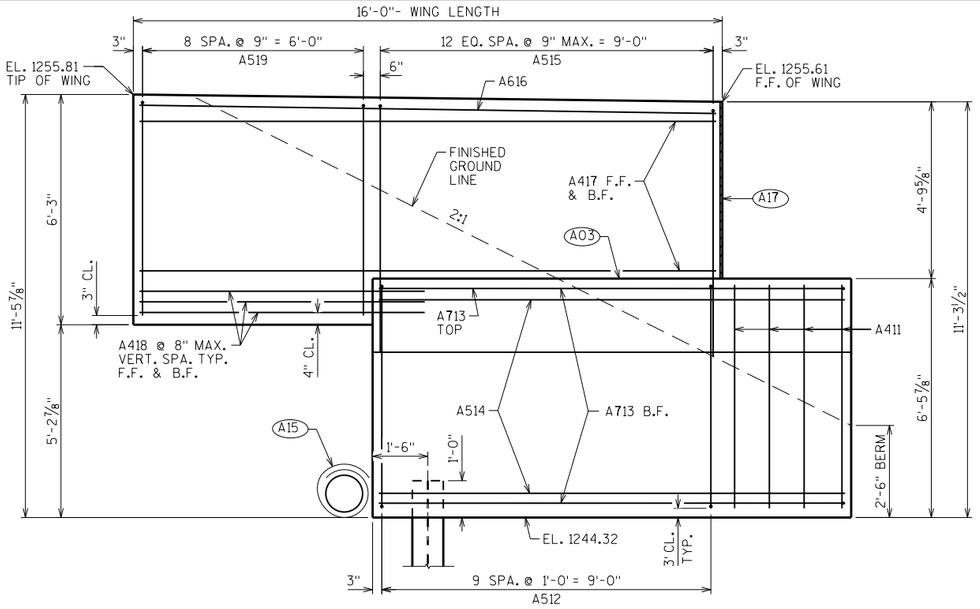
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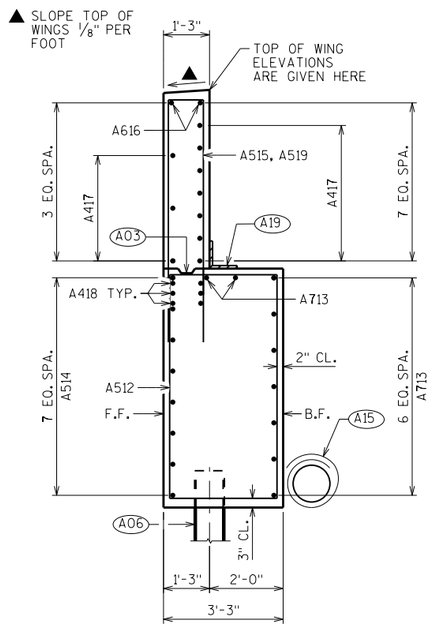
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STATE PROJECT NUMBER

1022-07-76



WING 1 ELEVATION

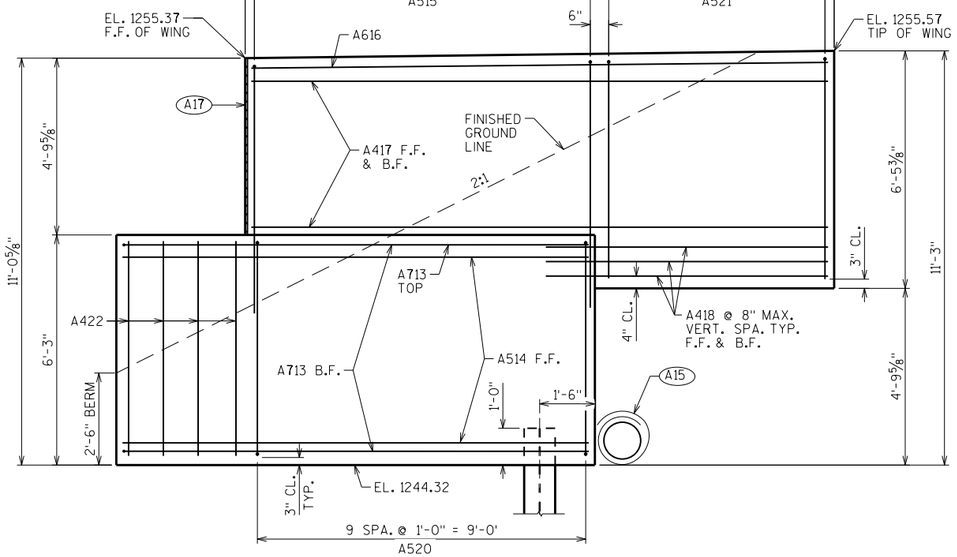


SECTION THRU WING 1

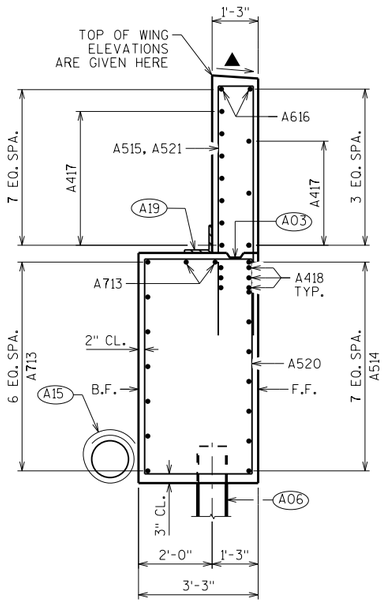
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

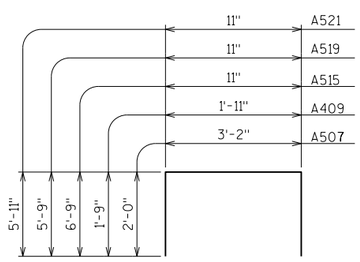
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A501		81	18'-6"	X		BODY - STIRRUP
A402		16	28'-0"	X		BODY - 1 PER BODY PILE
A403		32	2'-3"			BODY - 2 PER BODY PILE
A604		7	38'-9"			BODY - HORIZ. - B.F.
A805		14	17'-2"	X		BODY - HORIZ. - B.F. - HOOK
A606		22	33'-11"			BODY - HORIZ. - TOP @ F.F
A507		37	6'-11"	X		BODY - VERT. - TOP - OVER GIRDERS 2-9
A408		5	36'-6"			BODY - HORIZ. - TOP - OVER GIRDERS 2-9
A409		33	5'-3"	X		BODY - VERT. - TOP - BTWN. BEAM SEATS
A410		22	3'-9"			BODY - HORIZ. - TOP - BTWN. BEAM SEATS
A411	X	4	6'-1"			WING 1/BODY - VERT. - END
A512	X	10	18'-8"	X		WING 1 - STIRRUP
A713	X	18	13'-7"	X		WING 1 & 2 - HORIZ. - B.F - HOOK
A514	X	16	12'-7"			WING 1 & 2 - HORIZ. - F.F
A515	X	26	14'-2"	X		WING 1 & 2 - VERT.
A616	X	4	15'-8"			WING 1 & 2 - HORIZ. - TOP
A417	X	20	15'-8"			WING 1 & 2 - HORIZ. - B.F. & F.F.
A418	X	12	7'-9"			WING 1 & 2 - HORIZ. - B.F. & F.F.
A519	X	9	12'-2"	X		WING 1 - VERT.
A520	X	10	18'-2"	X		WING 2 - STIRRUP
A521	X	9	12'-6"	X		WING 2 - VERT.
A422	X	4	5'-10"			WING 2/BODY - VERT. - END



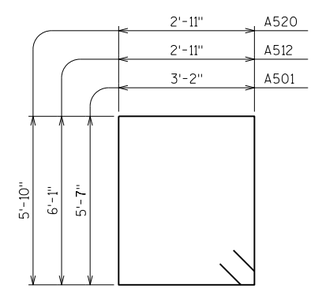
WING 2 ELEVATION



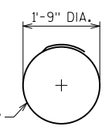
SECTION THRU WING 2



A507, A409, A515, A519, A521



A501, A512, A520



A402



A805, A713

(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).

(A06) SUPPORT ABUTMENT ON HP 10 X 42 STEEL PILING, ESTIMATED 40'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE. PILE POINTS REQ'D.

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
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STRUCTURES DESIGN SECTION

STRUCTURE B-55-247

DRAWN BY DDS | PLANS CK'D. AA

WEST ABUTMENT DETAILS

SHEET 5

806

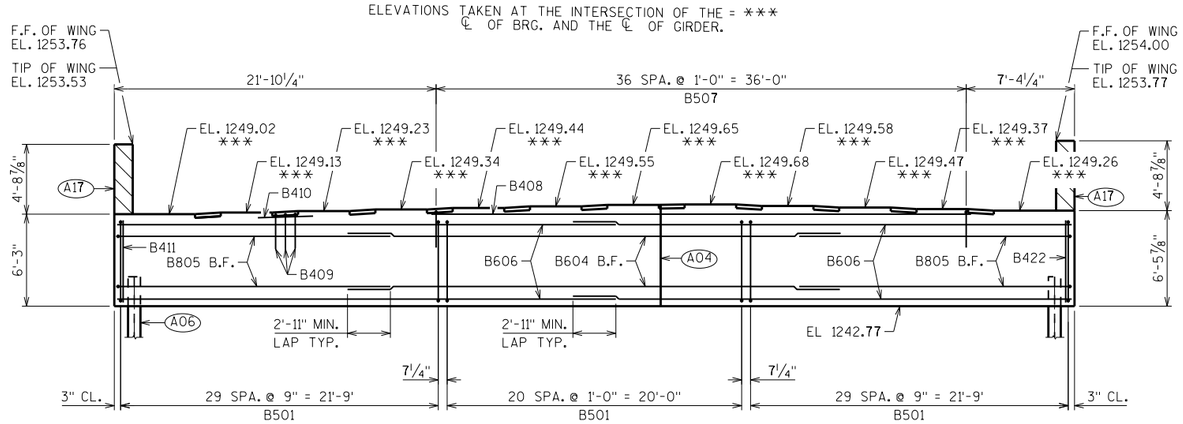
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STATE PROJECT NUMBER

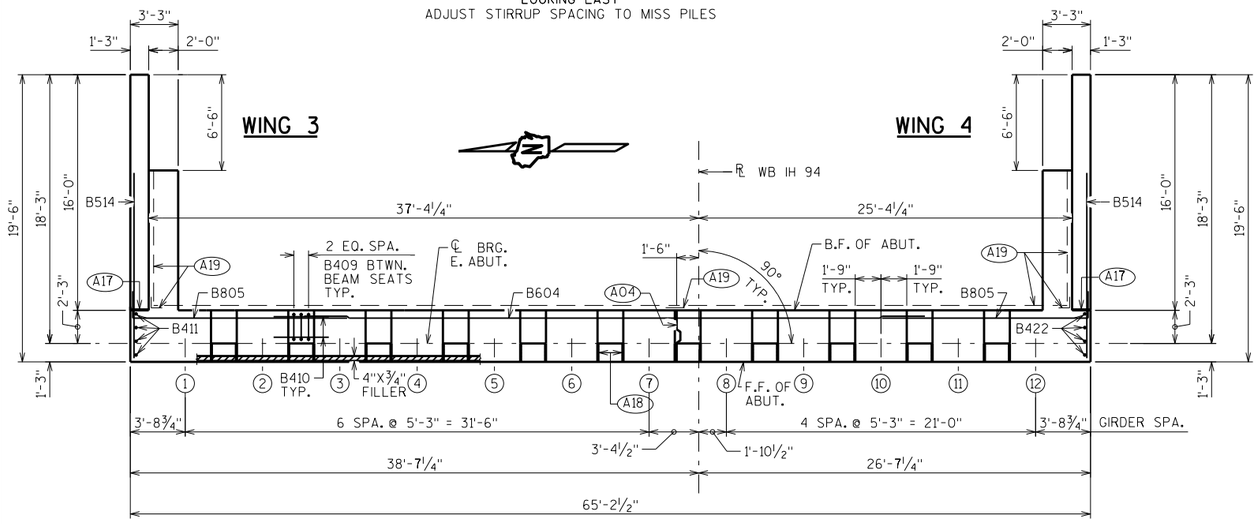
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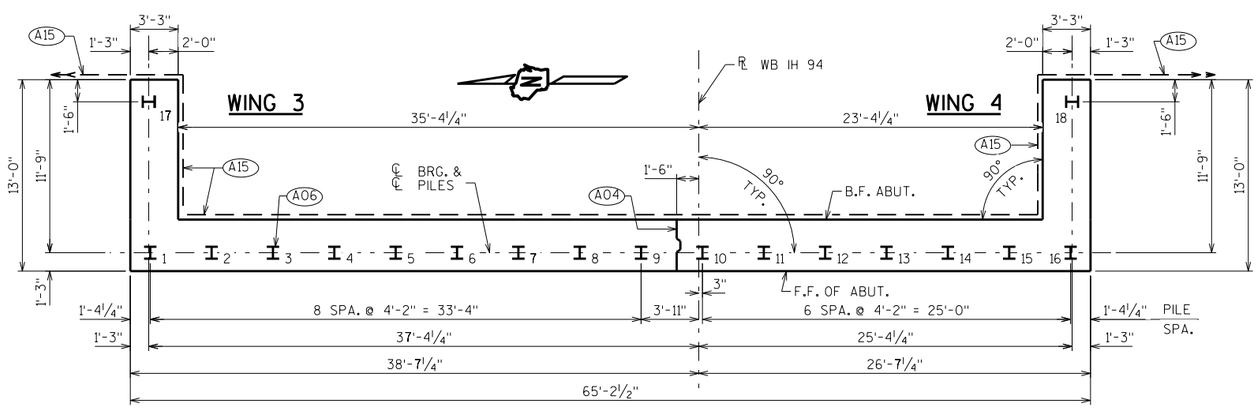
ELEVATION

LOOKING EAST

ADJUST STIRRUP SPACING TO MISS PILES



PLAN



PILE PLAN

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.

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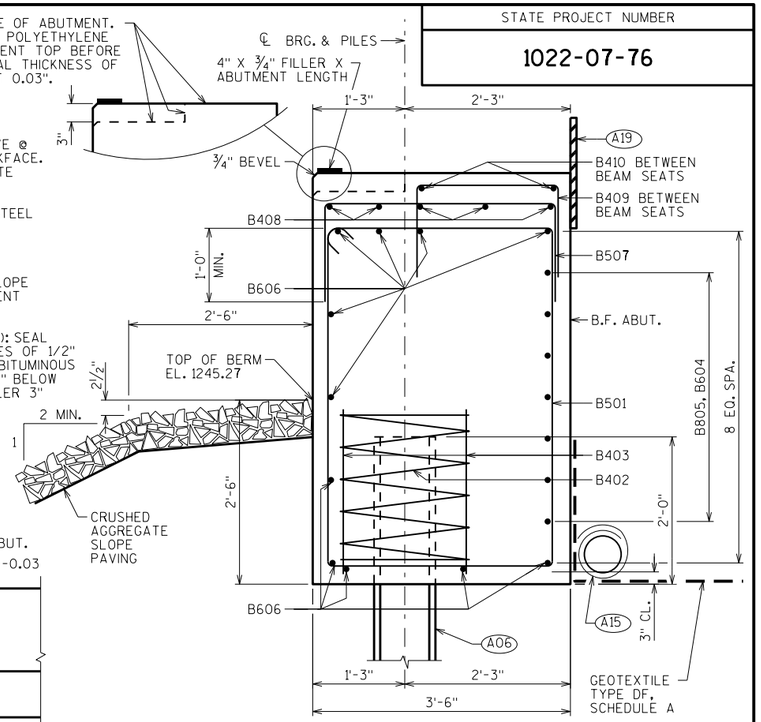
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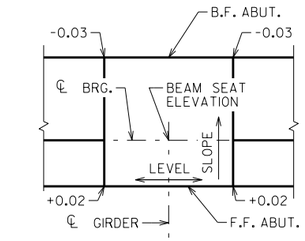
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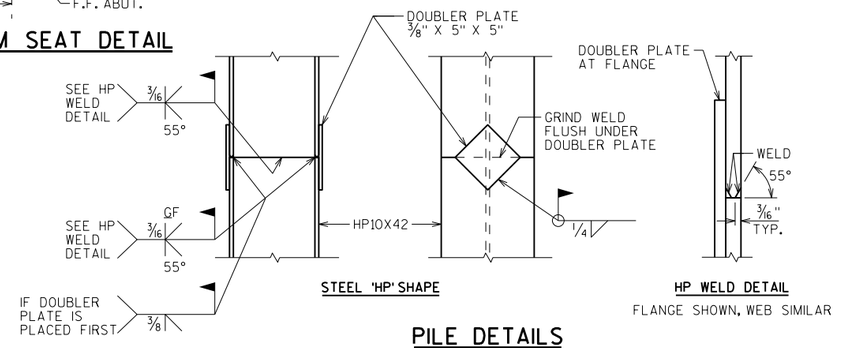
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SECTION THRU BODY



SLOPED BEAM SEAT DETAIL

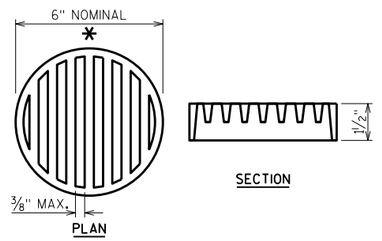


STEEL 'HP' SHAPE

HP WELD DETAIL

FLANGE SHOWN, WEB SIMILAR

PILE DETAILS



RODENT SHIELD DETAIL

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STATE OF WISCONSIN
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STRUCTURES DESIGN SECTION

STRUCTURE B-55-247

DRAWN BY DDS | PLANS CK'D. AA

EAST ABUTMENT

SHEET 6

807

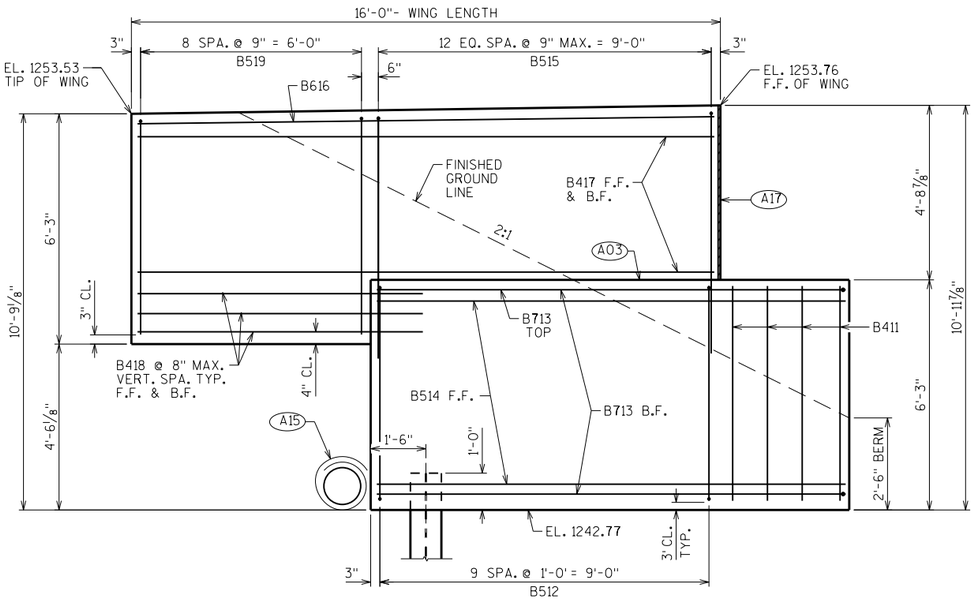
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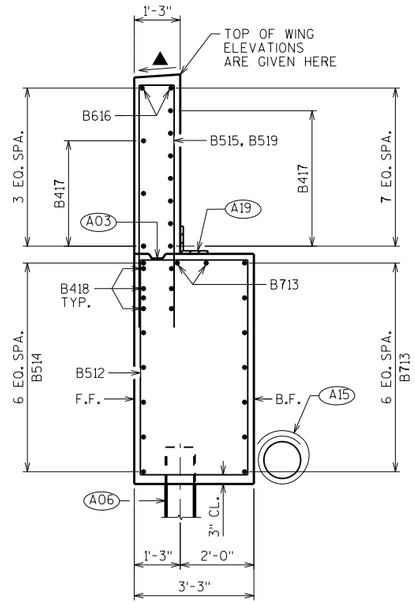
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STATE PROJECT NUMBER

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WING 3 ELEVATION

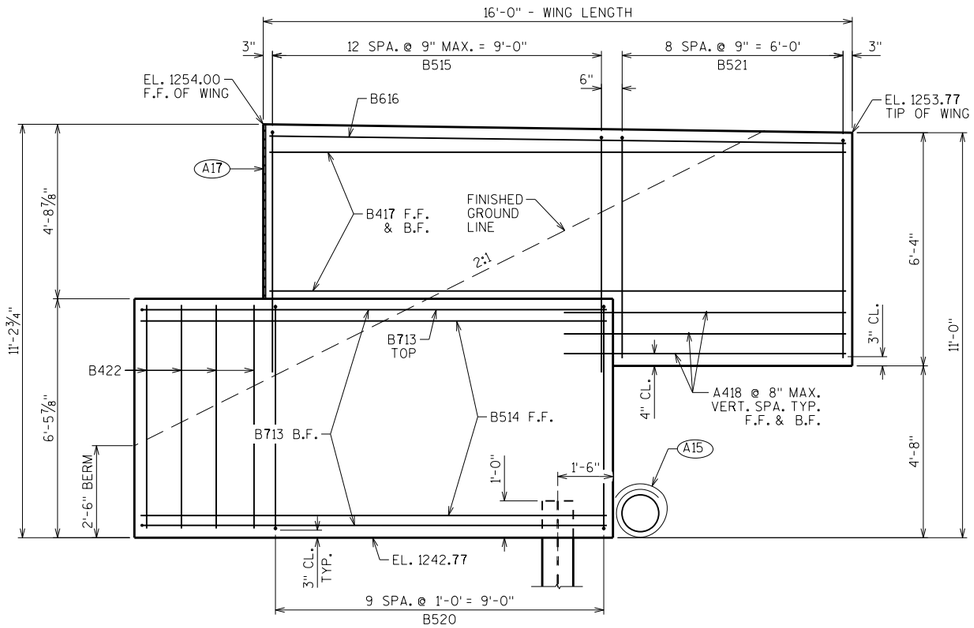


SECTION THRU WING 3

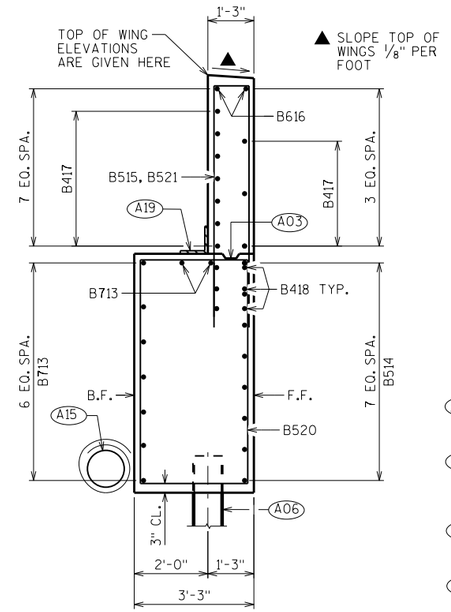
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

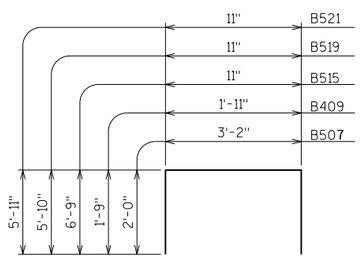
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B501		81	18'-2"	X		BODY - STIRRUP
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B512	X	10	18'-2"	X		WING 3 - STIRRUP
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B514	X	14	12'-7"			WING 3 & 4 - HORIZ. - F.F
B515	X	26	14'-2"	X		WING 3 & 4 - VERT. - STIRRUP
B616	X	4	15'-8"			WING 3 & 4 - HORIZ. - TOP
B417	X	20	15'-8"			WING 3 & 4 - HORIZ. - B.F. & F.F.
B418	X	12	7'-9"			WING 3 & 4 - HORIZ. - B.F. & F.F.
B519	X	9	12'-4"	X		WING 3 - VERT.
B520	X	10	18'-8"	X		WING 4 - STIRRUP
B521	X	9	12'-6"	X		WING 4 - VERT.
B422	X	4	7'-2"			WING 4/BODY - VERT. - END



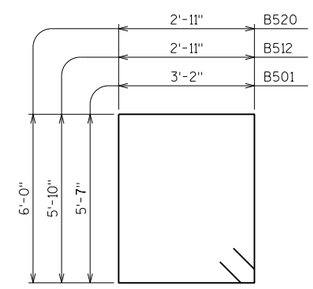
WING 4 ELEVATION



SECTION THRU WING 4



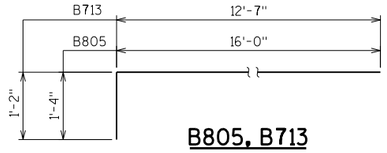
B507, B409, B515, B519, B521



B501, B512, B520,



B402



B805, B713

(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).

(A06) SUPPORT ABUTMENT ON HP 10 X 42 STEEL PILING, ESTIMATED 40'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE. PILE POINTS REQ'D.

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
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STRUCTURES DESIGN SECTION

STRUCTURE B-55-247

DRAWN BY DDS | PLANS CK'D. AA

EAST ABUTMENT DETAILS

SHEET 7

808

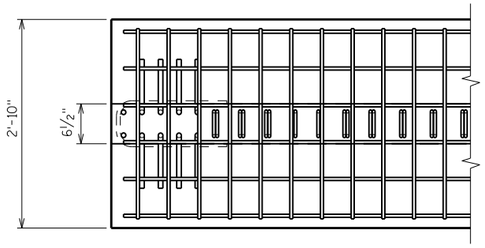
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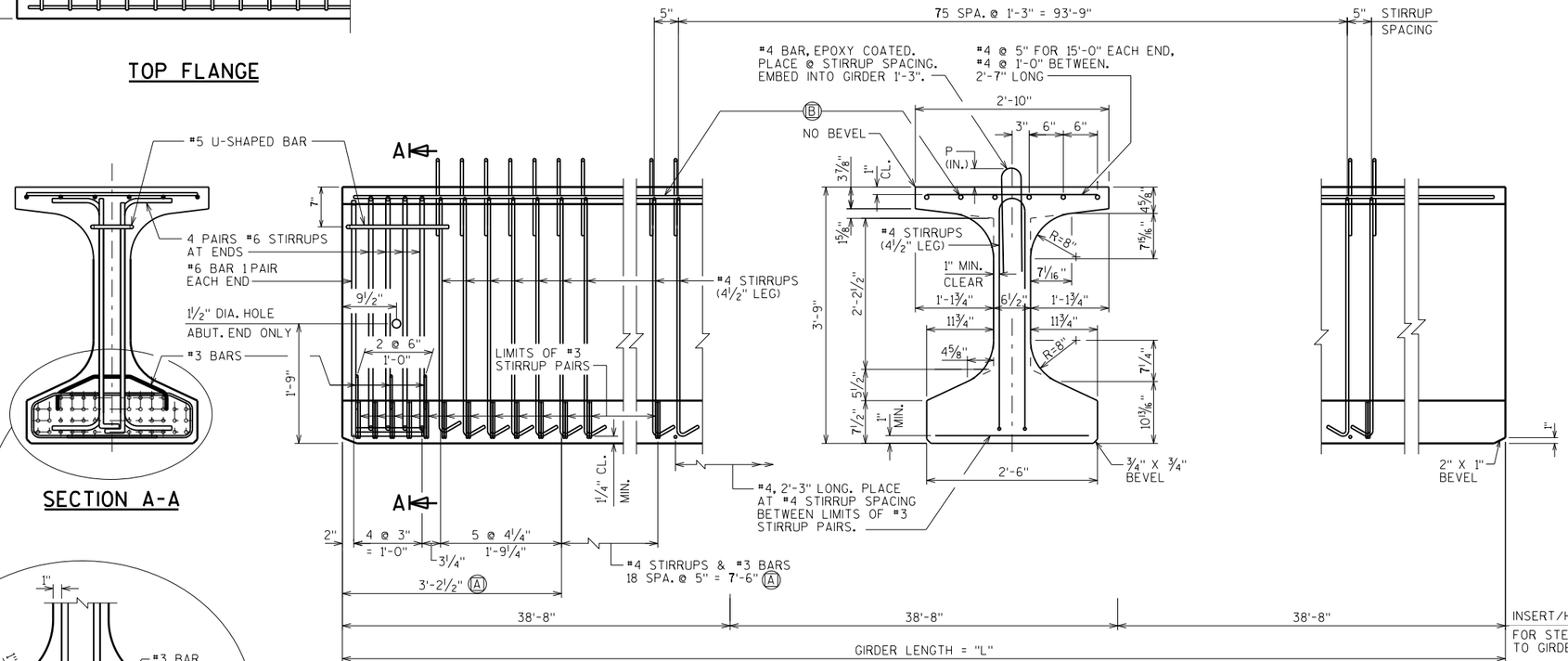
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STATE PROJECT NUMBER

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TOP FLANGE

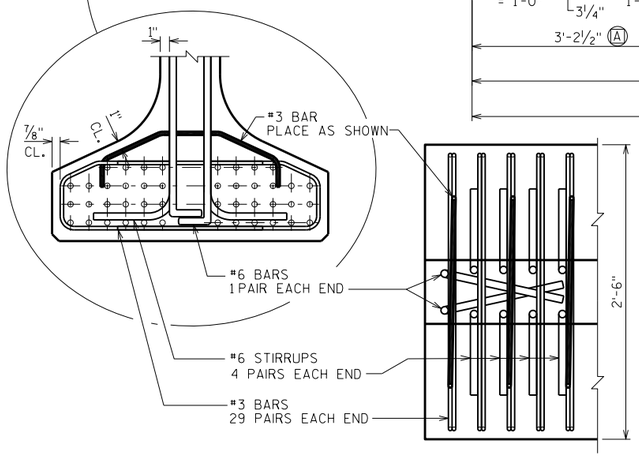


SECTION A-A

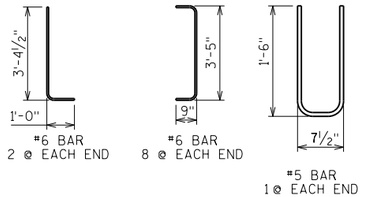
SIDE VIEW & TYPICAL SECTION IN SPAN

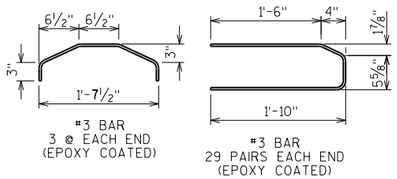
Ⓐ DETAIL TYP. AT EACH END

Ⓑ 6 - #4 BARS, FULL LENGTH, MIN. LAP = 1'-11"



BOTTOM FLANGE





NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 8" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 8" 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, 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 ALTERNATE EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A1064 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DEVELOPMENT SECTION.

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.

✳ MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L"	DEAD LOAD DEFL. (IN.)									CONC. STRGTH. f'c (p.s.i.)	"P" 1ST ⅓ OF GIRDER	"P" MID ⅓ OF GIRDER	"P" END ⅓ OF GIRDER	DIA. OF STRAND (IN.)	DRAPED PATTERN						UNDRAPED PATTERN	
			1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10						TOTAL NO. OF STRANDS	f'ci (P.S.I.) ✳	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	TOTAL NO. OF STRANDS	f'ci (P.S.I.) ✳
1	ALL	116	0.8	1.4	2.0	2.3	2.4	2.3	2.0	1.4	0.8	8,000	8	8	8	0.6	36	6.8	40	13.75	16.75	5		

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STRUCTURE B-55-247

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45W" PRESTRESSED GIRDER DETAILS 1

SHEET 8

809

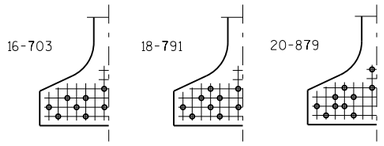
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8

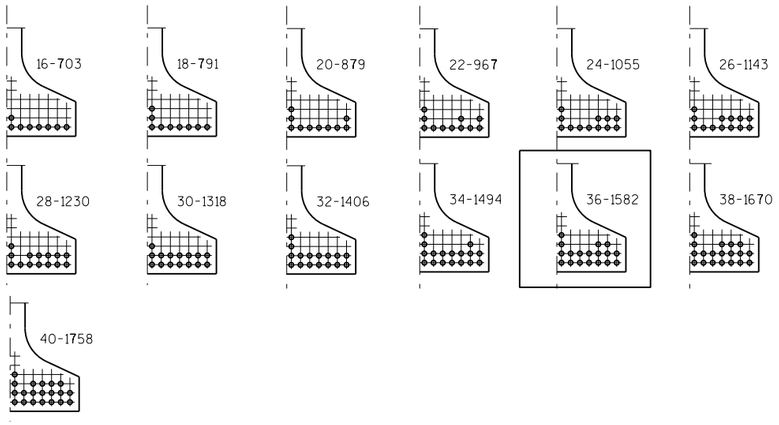
STATE PROJECT NUMBER

1022-07-76



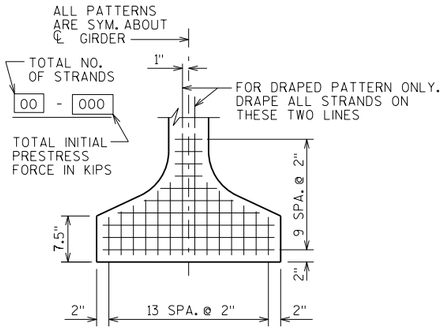
STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPING OF STRANDS

0.6"φ STRANDS

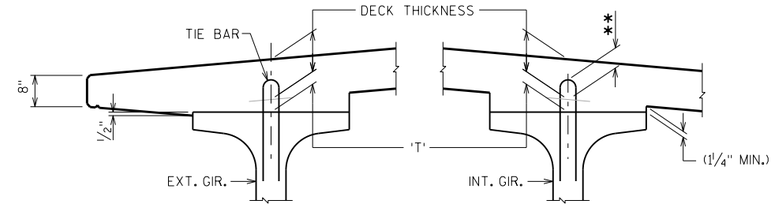


ARRANGEMENT AT ℄ SPAN - FOR GIRDERS WITH DRAPED STRANDS

0.6"φ STRANDS



TYP. STRAND PATTERN



DECK HAUNCH DETAIL

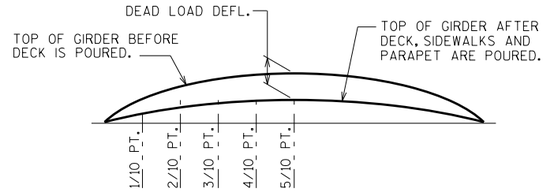
IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR, THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

** IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

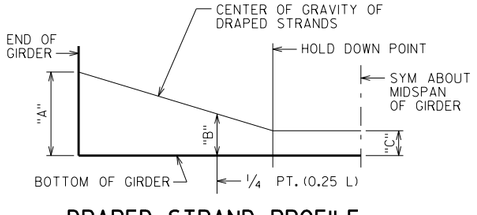
TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

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 3.3" WAS USED IN THE 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	4.05

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

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STRUCTURE B-55-247

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45W" PRESTRESSED GIRDER DETAILS 2

SHEET 9

810

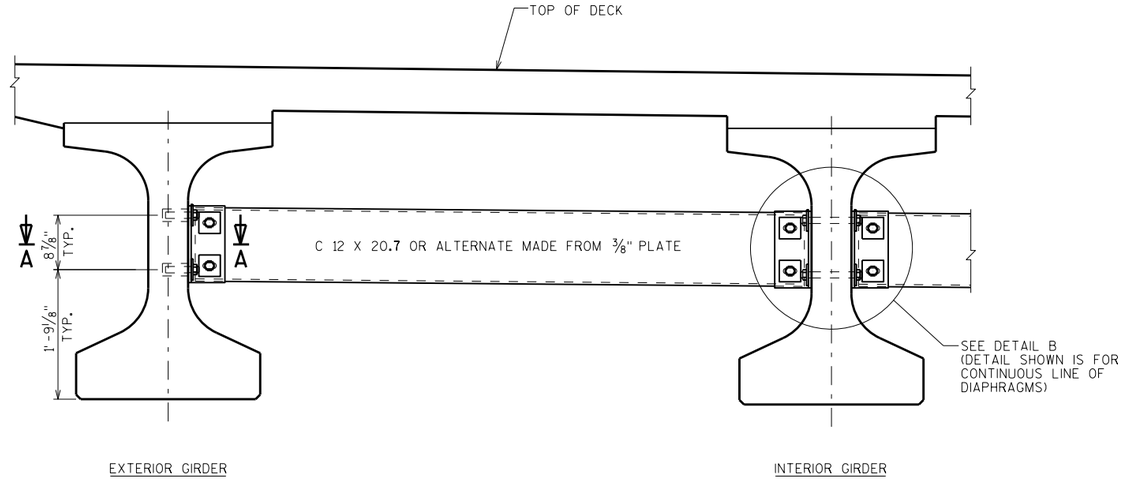
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STATE PROJECT NUMBER

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PART TRANSVERSE SECTION AT DIAPHRAGM

NOTES

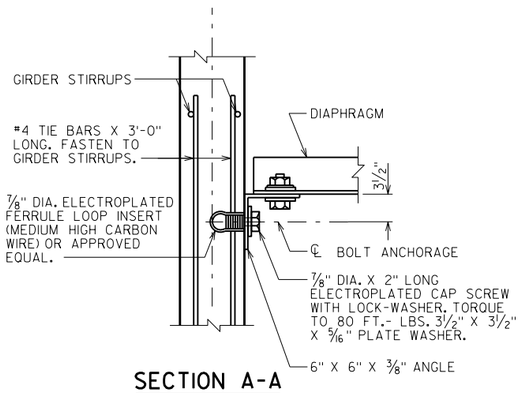
ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-55-247", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

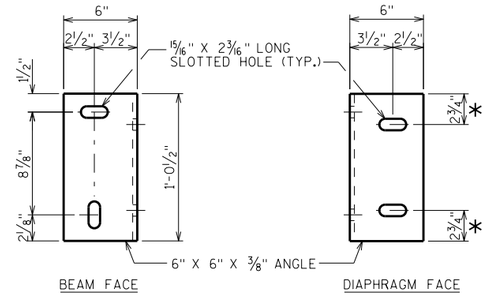
ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

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.



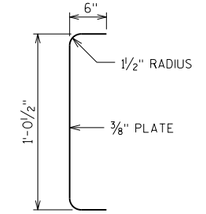
SECTION A-A

(FOR EXTERIOR ATTACHMENT)

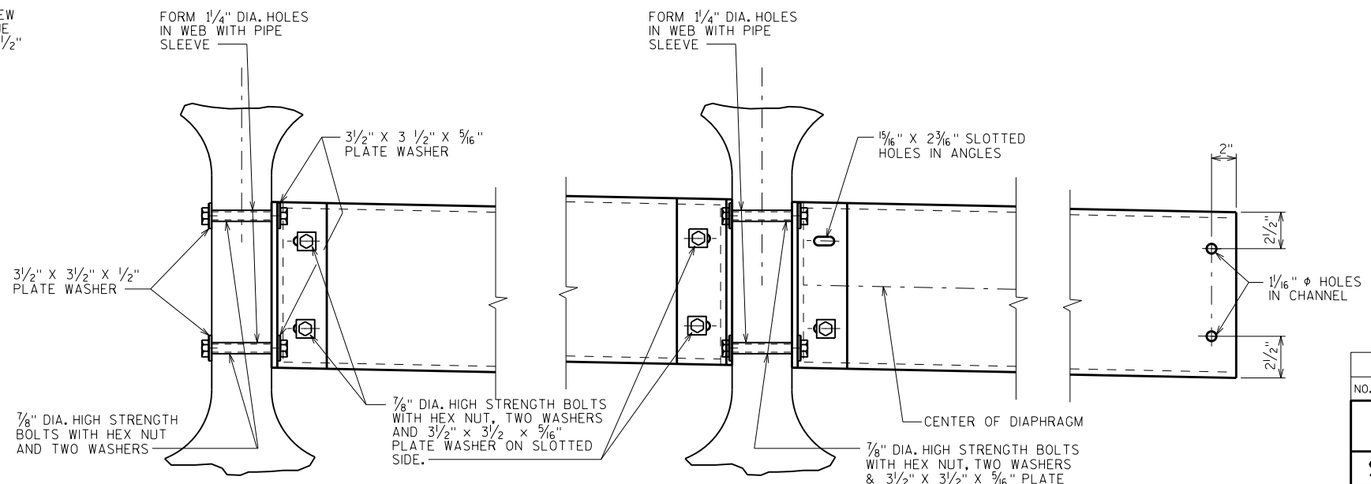


DIAPHRAGM SUPPORT

* 2 1/2" FOR ALTERNATE PLATE DIAPHRAGM



SECTION THRU ALTERNATE DIAPHRAGM



(FOR STAGGERED DIAPHRAGM)

DETAIL B

(FOR CONTINUOUS LINE OF DIAPHRAGMS)

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STATE OF WISCONSIN
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STRUCTURES DESIGN SECTION

STRUCTURE B-55-247

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STEEL DIAPHRAGM

SHEET 10

811

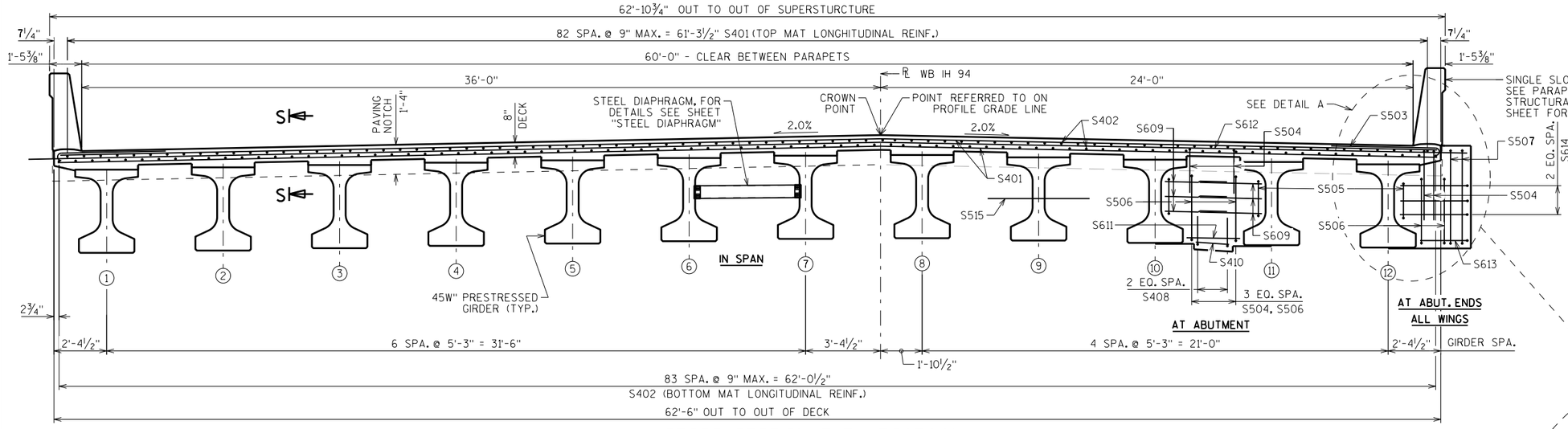
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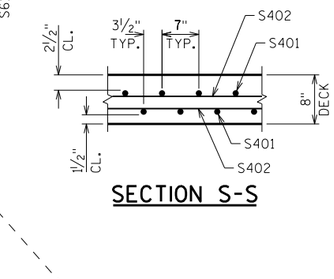
STATE PROJECT NUMBER

1022-07-76

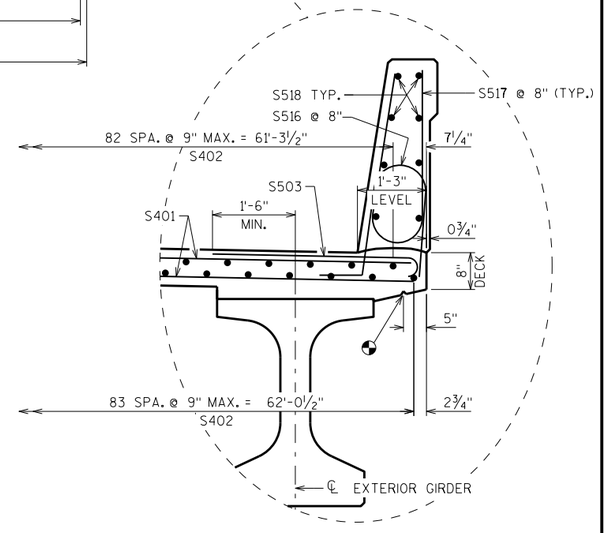


CROSS SECTION THRU ROADWAY

LOOKING EAST



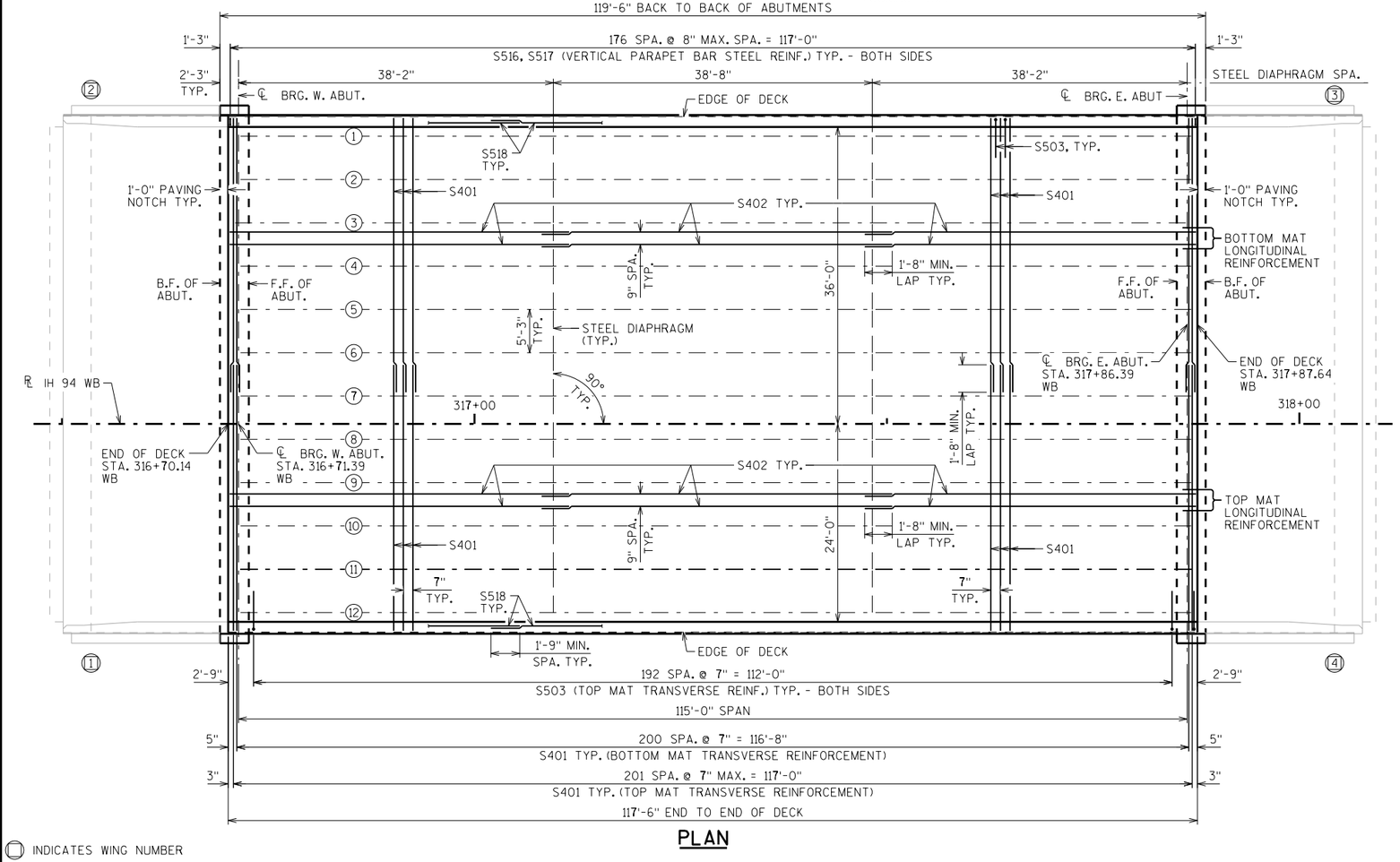
SECTION S-S



DETAIL A

TYP.

◔ = ¾" V-GROOVE TERMINATE 6" FROM FRONT FACE OF ABUTMENT DIAPHRAGM



PLAN

⬡ INDICATES WING NUMBER

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DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-247

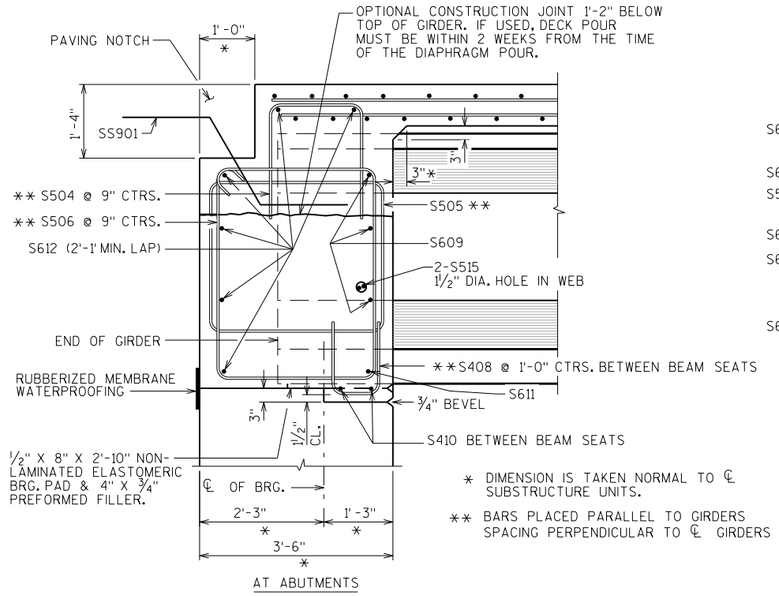
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SUPERSTRUCTURE

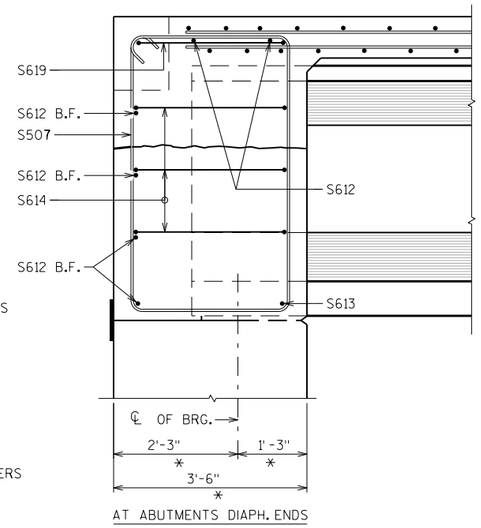
SHEET 11

812

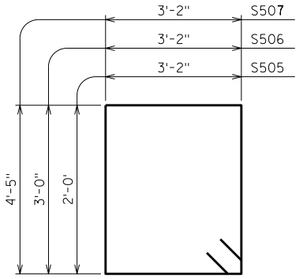
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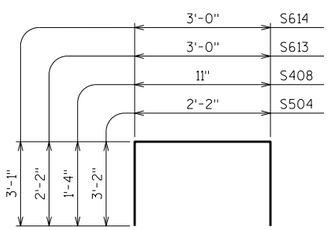
PART LONGIT. SECTION



PART LONGIT. SECTION



S505, S506, S507,



S504, S408, S613, S614

STATE PROJECT NUMBER

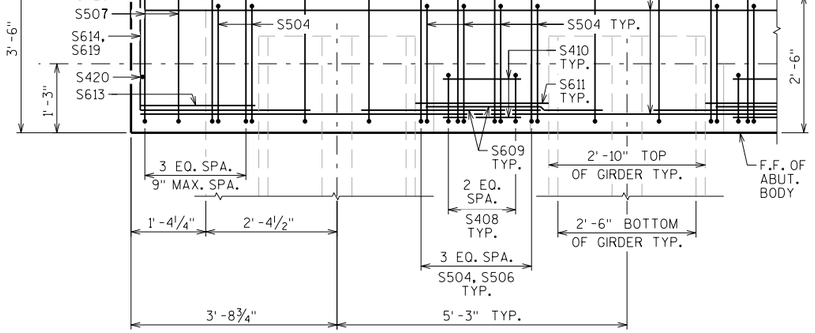
1022-07-76

BILL OF BARS

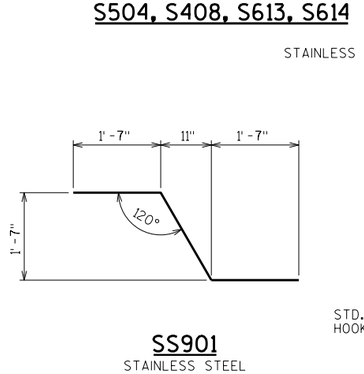
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
S401	X	806	32'-7"			DECK - TOP & BOT. - HORIZ. - TRANS.
S402	X	501	40'-2"			DECK - TOP & BOT. - HORIZ. - LONGIT.
S503	X	388	4'-7"	X		DECK - TOP - HORIZ. - TRANS.
S504	X	96	8'-3"	X		ABUT. DIAPH. - VERT. - BTWN. GIRDERS
S505	X	48	11'-0"	X		ABUT. DIAPH. - STIRRUP - AT GIRDERS
S506	X	96	13'-0"	X		ABUT. DIAPH. - STIRRUP
S507	X	8	15'-10"	X		ABUT. DIAPH. ENDS - STIRRUP
S408	X	66	3'-5"	X		ABUT. DIAPH. - VERT. - BTWN. GIRDERS
S609	X	132	3'-3"			ABUT. DIAPH. - HORIZ. - BTWN. GIRDERS
S410	X	44	1'-6"			ABUT. DIAPH. - HORIZ. - BTWN. GIRDERS
S611	X	22	2'-6"			ABUT. DIAPH. - HORIZ. - BTWN. GIRDERS
S612	X	24	33'-6"			ABUT. DIAPH. - HORIZ. - B.F.
S613	X	4	7'-0"	X		ABUT. DIAPH. ENDS - HORIZ.
S614	X	12	8'-10"	X		ABUT. DIAPH. ENDS - HORIZ.
S515	X	48	6'-0"			ABUT. DIAPH. - THRU GIRDERS
S516	X	177	4'-5"	X		42SS PARAPET - VERT.
S517	X	177	6'-8"	X		42SS PARAPET - VERT.
S518	X	48	40'-2"			42SS PARAPET - LONGIT.
S619	X	4	6'-8"	X		ABUT. DIAPH. ENDS - HORIZ.
S420	X	8	4'-5"			ABUT. DIAPH. ENDS - VERT.
SS901		126	5'-0"	X		ABUT. DIAPH. TO APPROACH SLAB

STAINLESS STEEL

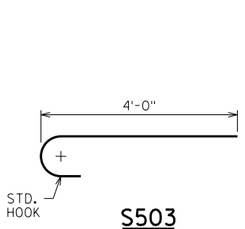


END DIAPHRAGM PLAN VIEW

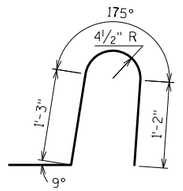


SS901

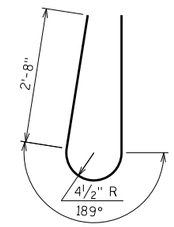
STAINLESS STEEL



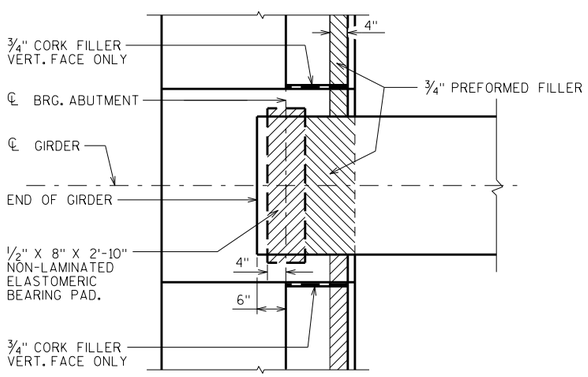
S503



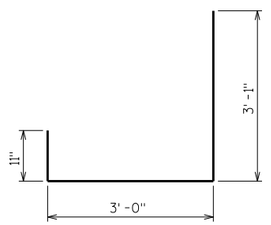
S516



S517



BEARING PAD DETAIL



S619

TOP OF DECK ELEVATIONS

LOCATION	℄ BRG. W. ABUT.	1/10 PT.	2/10 PT.	3/10 PT.	4/10 PT.	5/10 PT.	6/10 PT.	7/10 PT.	8/10 PT.	9/10 PT.	℄ BRG. E. ABUT.
N. EDGE OF DECK	1255.34	1255.20	1255.05	1254.90	1254.75	1254.60	1254.44	1254.28	1254.12	1253.96	1253.79
℄ GIRDER 1	1255.37	1255.22	1255.08	1254.93	1254.77	1254.62	1254.46	1254.31	1254.15	1253.98	1253.82
℄ GIRDER 2	1255.47	1255.33	1255.18	1255.03	1254.88	1254.73	1254.57	1254.41	1254.25	1254.09	1253.92
℄ GIRDER 3	1255.58	1255.43	1255.29	1255.14	1254.98	1254.83	1254.67	1254.52	1254.36	1254.19	1254.03
℄ GIRDER 4	1255.68	1255.54	1255.39	1255.24	1255.09	1254.94	1254.78	1254.62	1254.46	1254.30	1254.13
℄ GIRDER 5	1255.79	1255.64	1255.50	1255.35	1255.19	1255.04	1254.88	1254.73	1254.57	1254.40	1254.24
℄ GIRDER 6	1255.89	1255.75	1255.60	1255.45	1255.30	1255.15	1254.99	1254.83	1254.67	1254.51	1254.34
℄ GIRDER 7	1256.00	1255.85	1255.71	1255.56	1255.40	1255.25	1255.09	1254.94	1254.78	1254.61	1254.45
℞ WB IH 94	1256.06	1255.92	1255.77	1255.62	1255.47	1255.32	1255.16	1255.00	1254.84	1254.68	1254.51
℄ GIRDER 8	1256.03	1255.88	1255.74	1255.59	1255.43	1255.28	1255.12	1254.97	1254.81	1254.64	1254.48
℄ GIRDER 9	1255.92	1255.78	1255.63	1255.48	1255.33	1255.18	1255.02	1254.86	1254.70	1254.54	1254.37
℄ GIRDER 10	1255.82	1255.67	1255.53	1255.38	1255.22	1255.07	1254.91	1254.76	1254.60	1254.43	1254.27
℄ GIRDER 11	1255.71	1255.57	1255.42	1255.27	1255.12	1254.97	1254.81	1254.65	1254.49	1254.33	1254.16
℄ GIRDER 12	1255.61	1255.46	1255.32	1255.17	1255.01	1254.86	1254.70	1254.55	1254.39	1254.22	1254.06
S. EDGE OF DECK	1255.58	1255.44	1255.29	1255.14	1254.99	1254.84	1254.68	1254.52	1254.36	1254.20	1254.03

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STATE OF WISCONSIN
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STRUCTURES DESIGN SECTION

STRUCTURE B-55-247

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SUPERSTRUCTURE DETAILS

SHEET 12

813

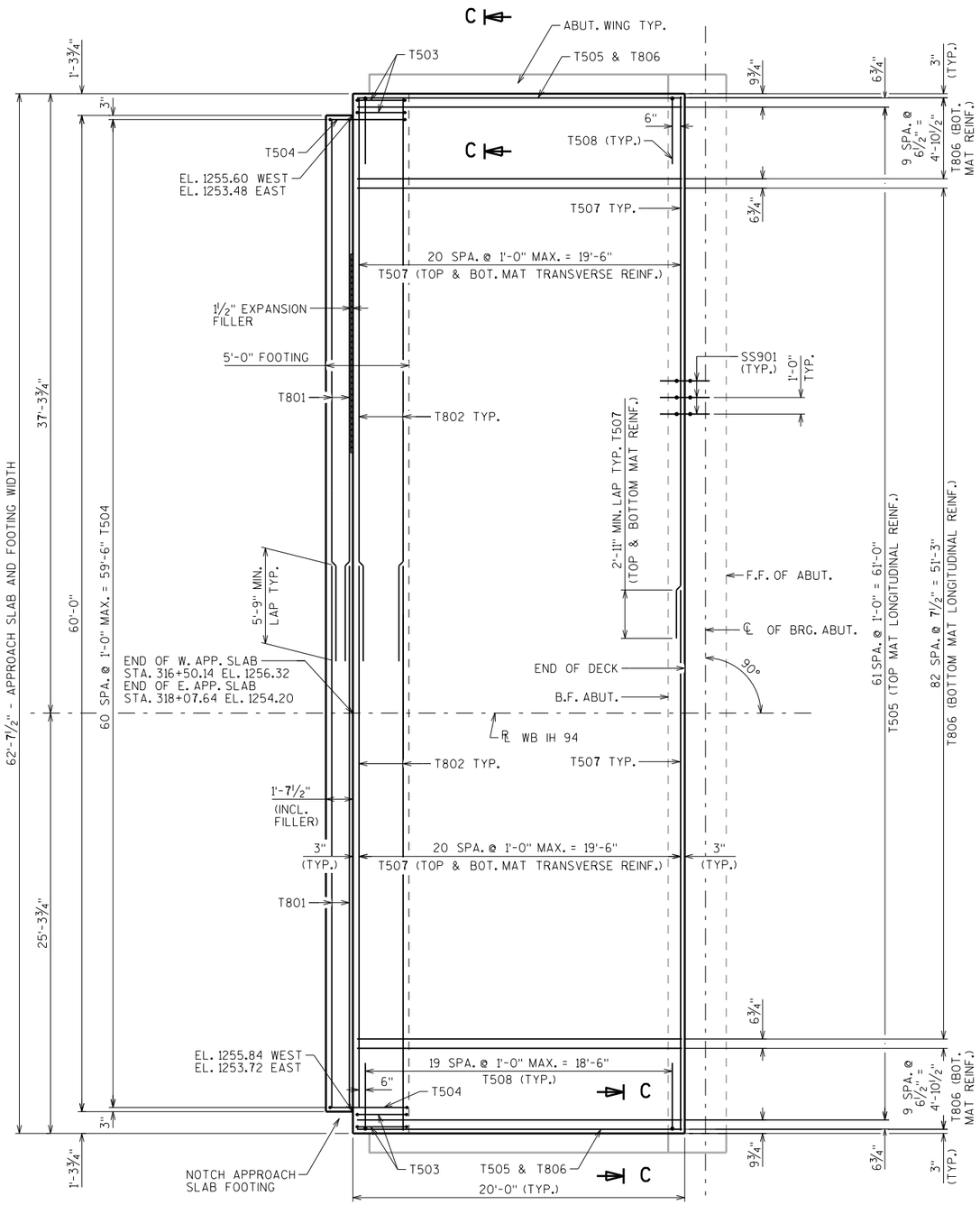
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8

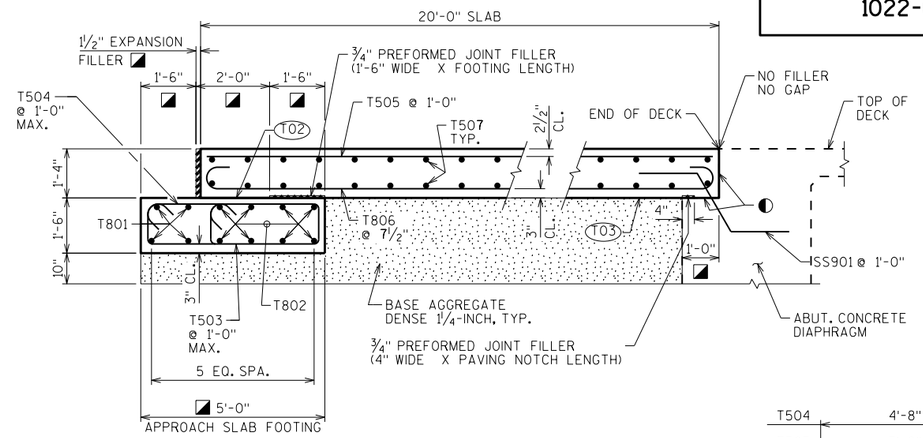
STATE PROJECT NUMBER

1022-07-76

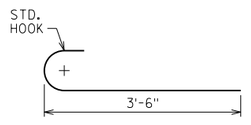


PLAN

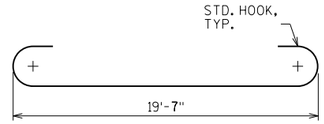
WEST APPROACH SLAB SHOWN,
EAST APPROACH SLAB SIMILAR



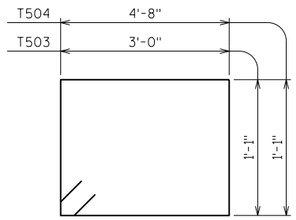
SECTION THRU APPROACH SLAB



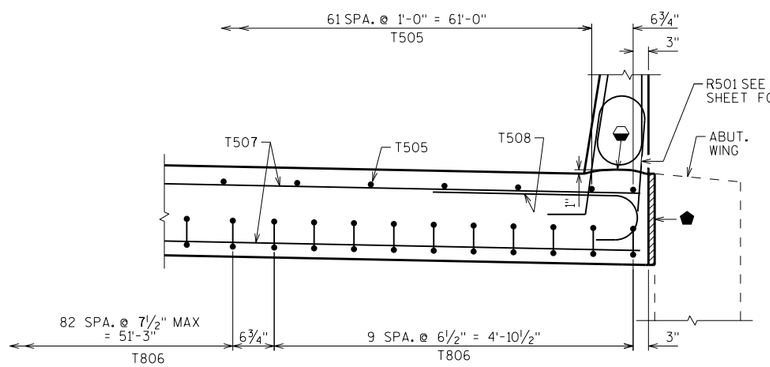
T508



T806



T503, T504



DETAIL C-C

(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 LENGTH OF THE SUBGRADE.

◐ APPLY PROTECTIVE SURFACE TREATMENT TO PAVING NOTCH SURFACES PRIOR TO POURING STRUCTURAL APPROACH SLAB.

◪ MEASURED NORMAL TO ABUTMENT

⬟ SEE ALL EXPOSED HORIZONTAL AND VERTICAL SURFACE 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.

⬙ CONST. JOINT - STRIKE OFF AS SHOWN

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D. WEST APPR. SLAB	NO. REQ'D. EAST APPR. SLAB	LENGTH	BENT	BAR SERIES	LOCATION
T801	X	4	4	59'-8"			FOOTING - HORIZONTAL
T802	X	16	16	34'-0"			FOOTING - HORIZONTAL
T503	X	4	4	8'-10"	X		FOOTING - STIRRUP
T504	X	61	61	12'-2"	X		FOOTING - STIRRUP
T505	X	64	64	19'-7"			APPROACH SLAB - LONGITUDINAL - TOP
T806	X	103	103	21'-5"	X		APPROACH SLAB - LONGITUDINAL - BOTTOM
T507	X	84	84	32'-9"			APPROACH SLAB - TRANSVERSE - TOP & BOT. OF SLAB
T508	X	40	40	4'-1"	X		APPROACH SLAB - TRANSVERSE - TOP EDGES OF SLAB

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-247

DRAWN BY DDS | PLANS CK'D. AA

STRUCTURAL APPROACH SLABS

SHEET 13

814

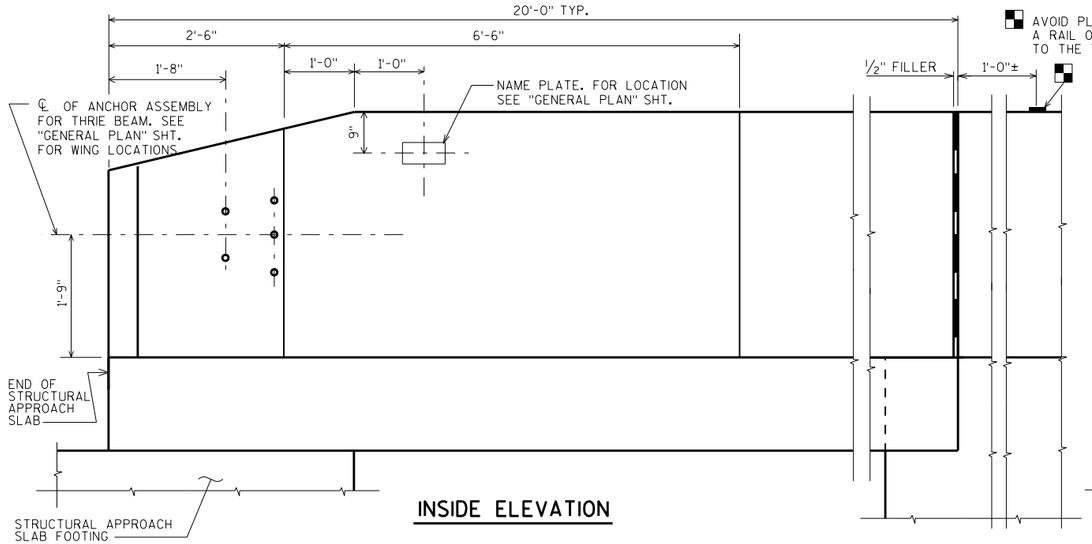
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8

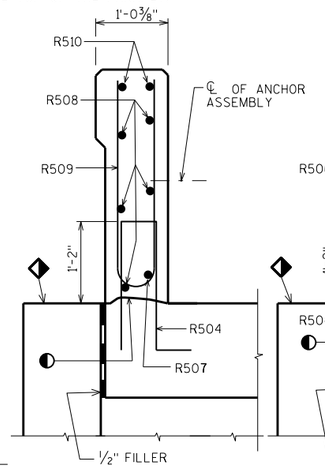
STATE PROJECT NUMBER

1022-07-76

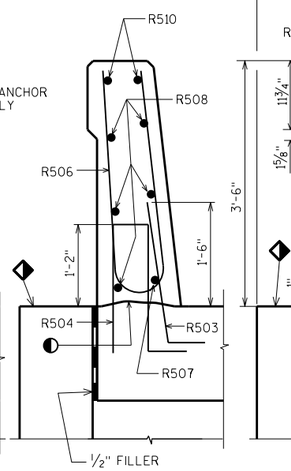


INSIDE ELEVATION

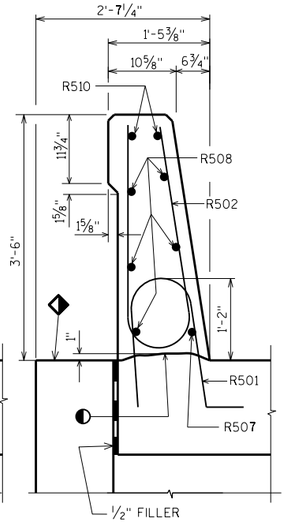
AVOID PLACING A BENCH MARK CAP BELOW A RAIL OR FENCE SYSTEM THAT IS ATTACHED TO THE TOP OF THE PARAPET.



SECTION A-A



SECTION B-B



SECTION C-C

BILL OF BARS

FOR STRUCTURAL APPROACH SLAB PARAPETS

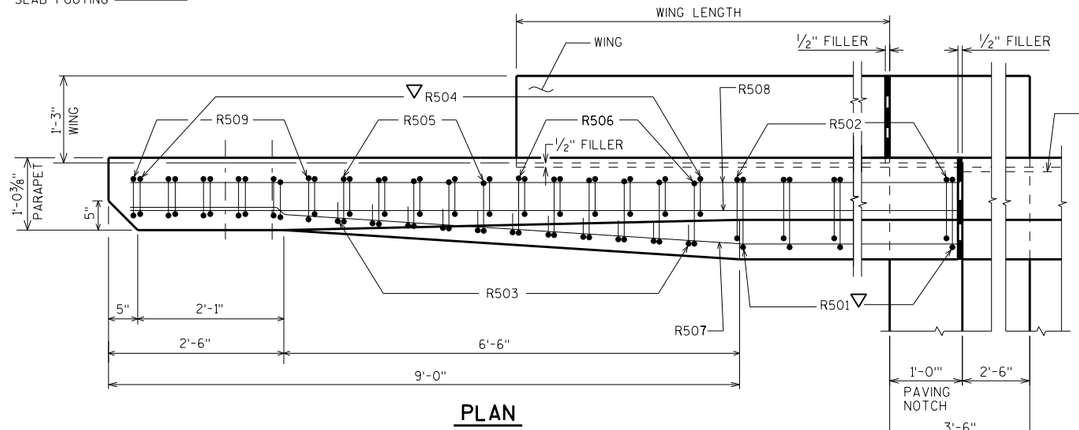
BAR MARK	COAT	WEST ABUT.	EAST ABUT.	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	34	34	4'-5"	X		PARAPET VERT.
R502	X	34	34	6'-8"	X		PARAPET VERT.
R503	X	22	22	2'-9"	X		PARAPET VERT.
R504	X	34	34	4'-4"	X		PARAPET VERT.
R505	X	10	10	6'-5"	X		PARAPET VERT.
R506	X	12	12	6'-6"	X		PARAPET VERT.
R507	X	2	2	19'-7"	X		PARAPET HORIZ.
R508	X	10	10	19'-7"			PARAPET HORIZ.
R509	X	12	12	5'-5"	X	◭	PARAPET VERT.
R510	X	4	4	19'-7"	X		PARAPET HORIZ

◭ 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

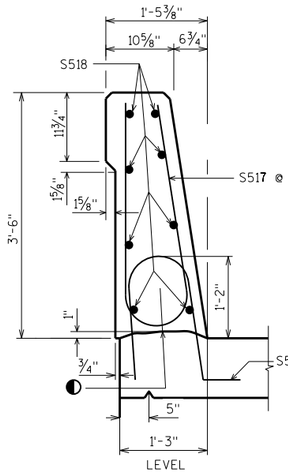
MARK	NO. REQD.	LENGTH
R509	4 SERIES OF 6	4'-9" TO 6'-1"

BUNDLE AND TAG EACH SERIES SEPARATELY.

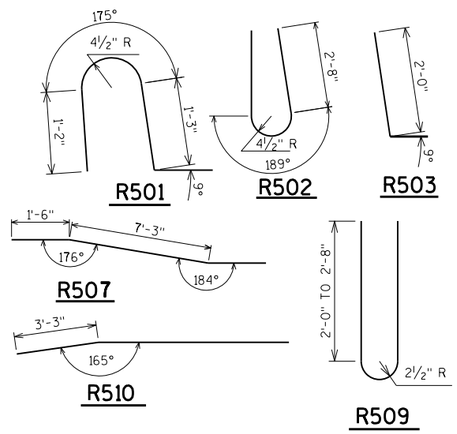


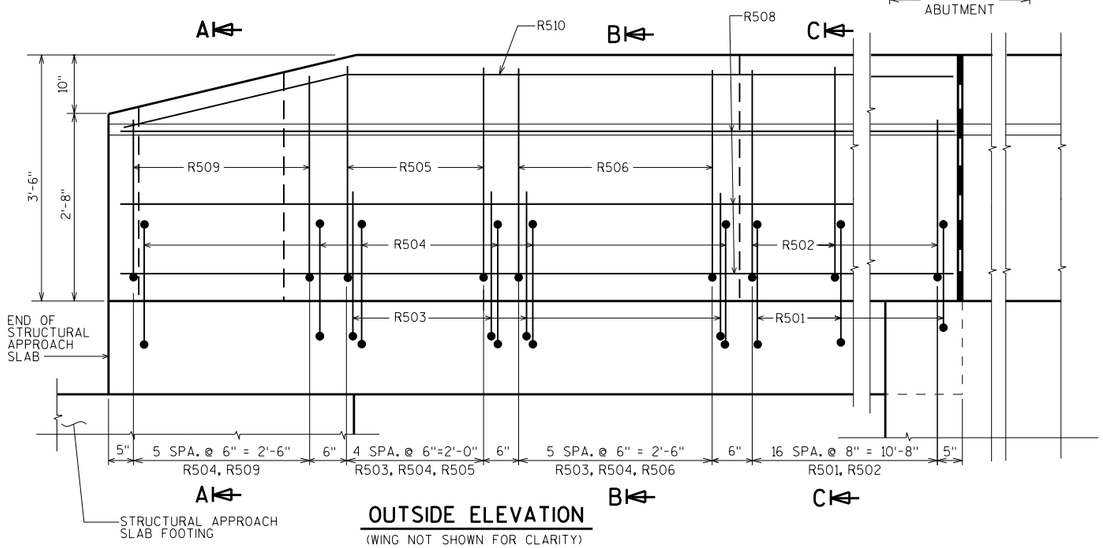
PLAN

OPTIONAL CONSTRUCTION JOINTS IN THE PARAPETS MAY BE USED. RUN BAR REINF. THRU THE JOINT. LAP LONGIT. BARS A MIN. OF 1'-9". MIN. JOINT SPACING OF 80'-0". DEFINE CONST. JOINT WITH A ¾" - 'V' GROOVE.



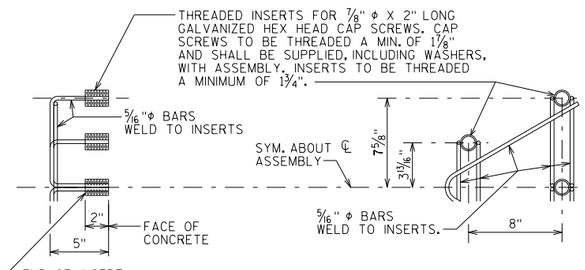
SECTION THROUGH PARAPET ON BRIDGE





OUTSIDE ELEVATION

(WING NOT SHOWN FOR CLARITY)



DETAIL OF ANCHOR ASSEMBLY

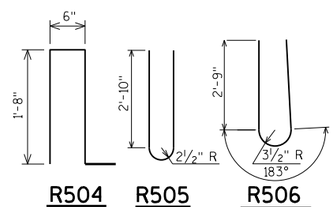
NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.

◐ CONST. JOINT - STRIKE OFF AS SHOWN.

◆ SLOPE FOR DRAINAGE

▽ R501, R503, AND R504 BARS TO BE TIED TO STRUCTURAL APPROACH SLAB STEEL BEFORE STRUCTURAL APPROACH SLAB IS POURED.



NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-247

DRAWN BY: DDS | PLANS CK'D.: AA

PARAPET 42SS WITH STRUCTURAL APPROACH SLAB

SHEET 14

815

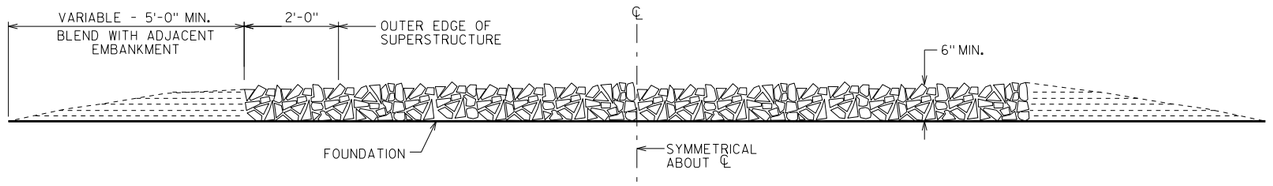
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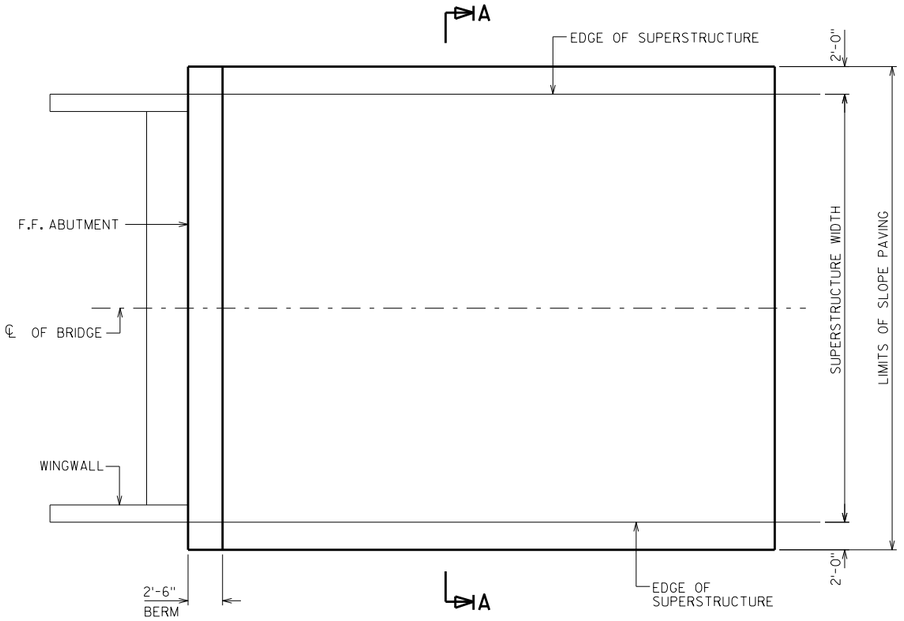
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STATE PROJECT NUMBER

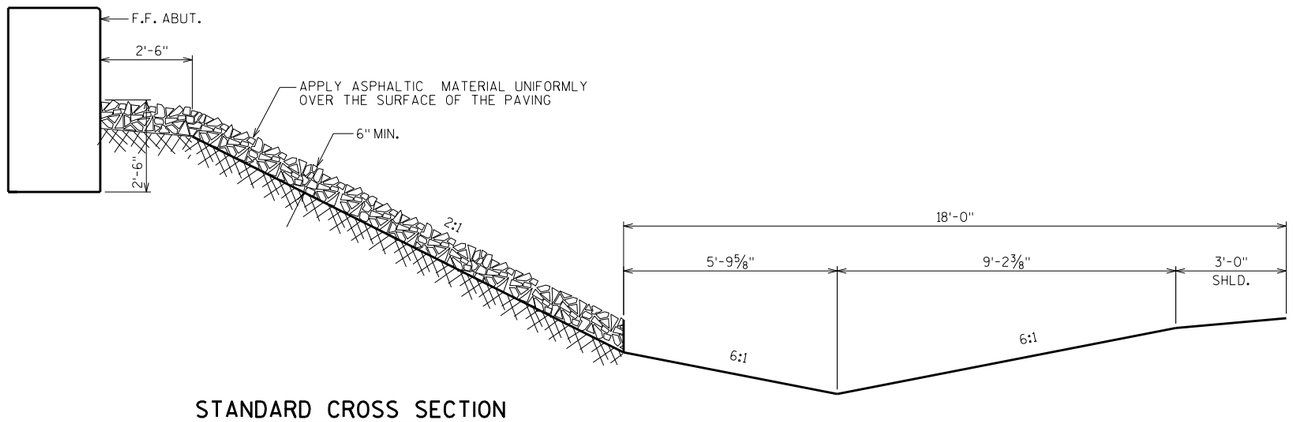
1022-07-76



SECTION A-A



PLAN



STANDARD CROSS SECTION

GENERAL NOTES

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

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-55-247

DRAWN BY DDS | PLANS CK'D. AA

SLOPE PAVING (CRUSHED AGGREGATE)

SHEET 15

816

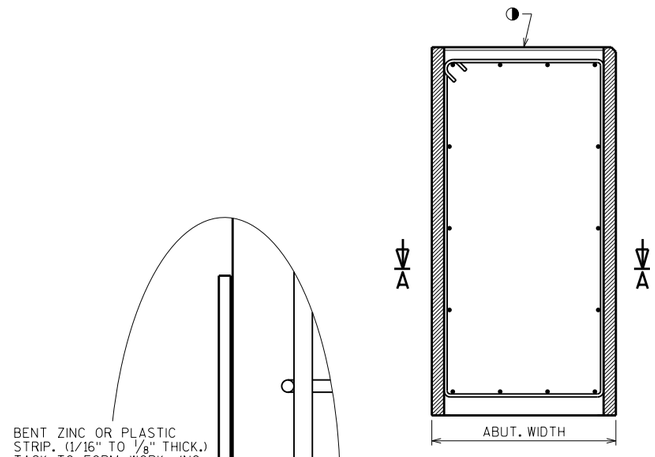
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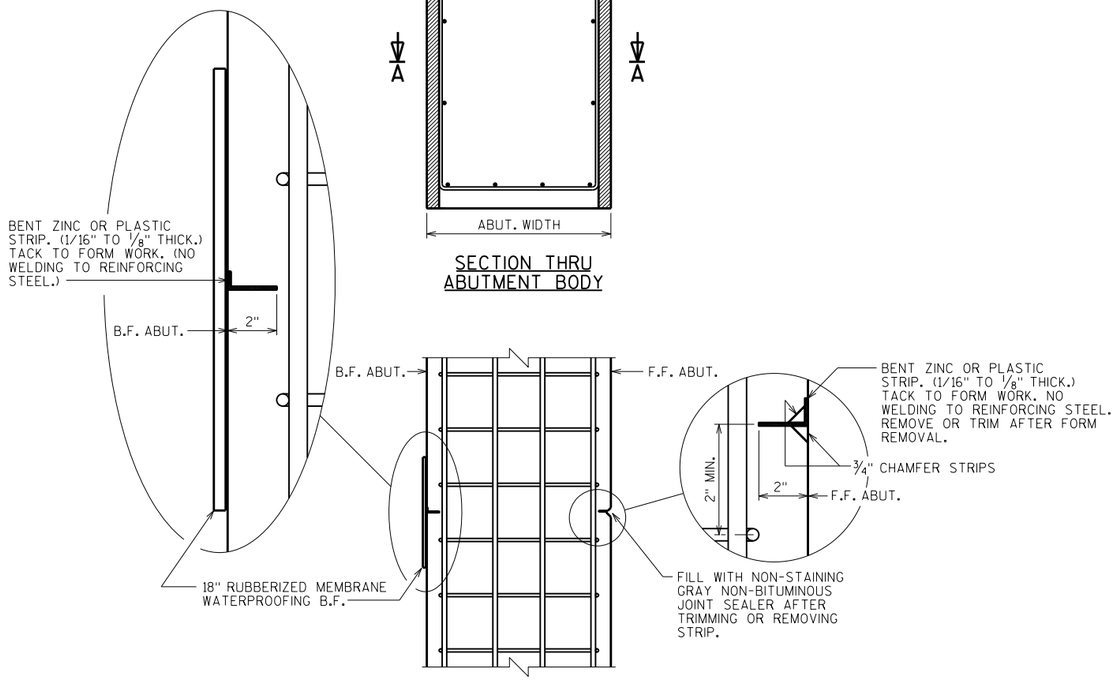
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STATE PROJECT NUMBER

1022-07-76



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-55-247

DRAWN BY DDS | PLANS CK'D. AA

ALTERNATE CONSTRUCTION JOINT

SHEET 16

817

8

8

1 2 3

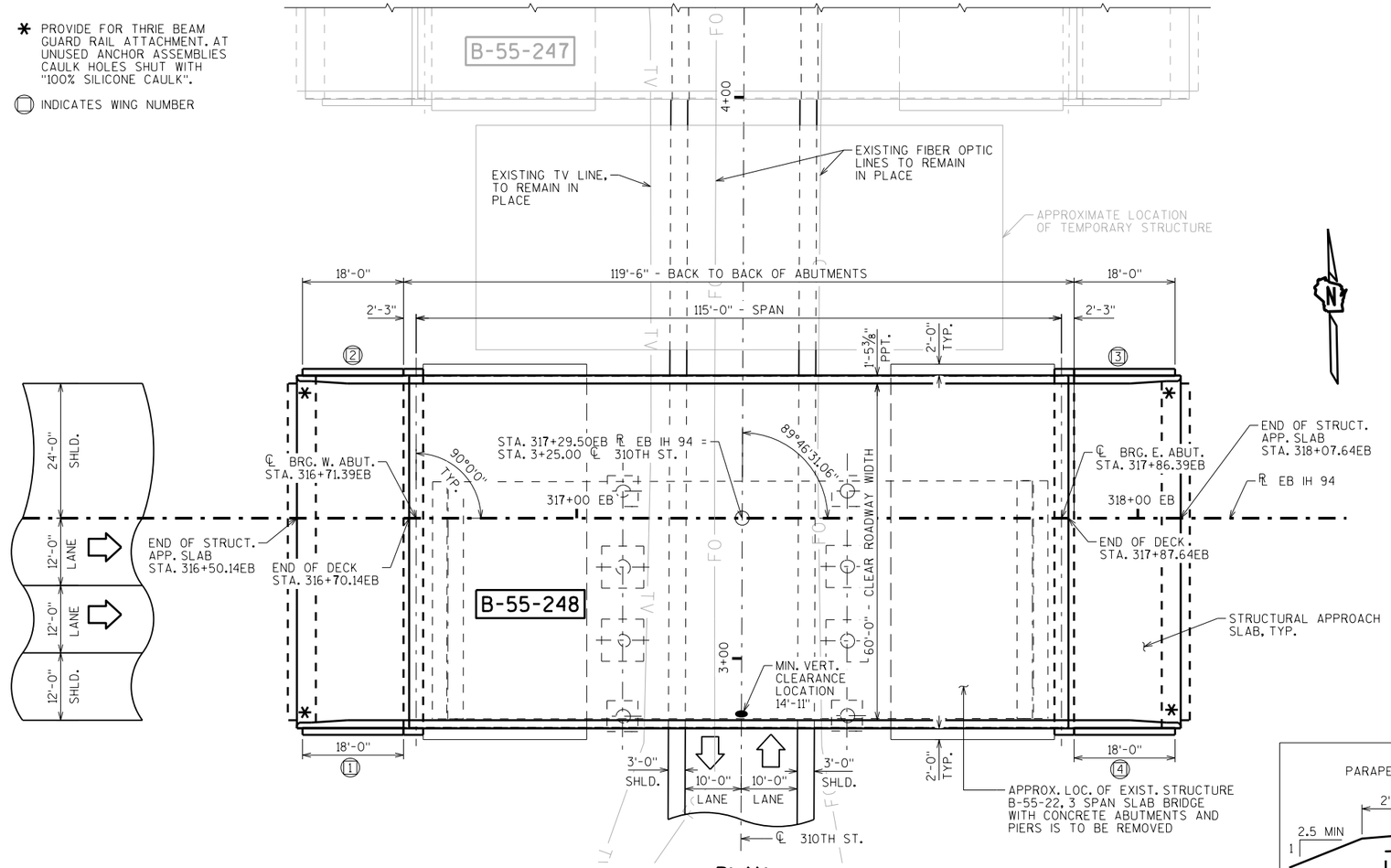
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STATE PROJECT NUMBER

1022-07-76

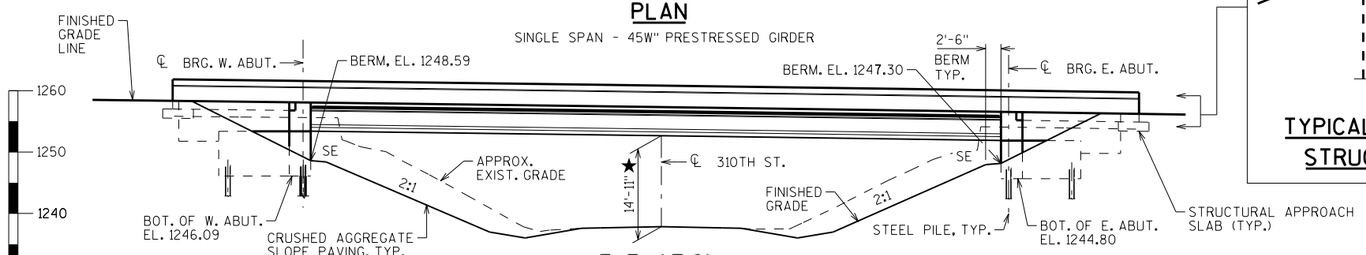
* PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT. AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

(2) INDICATES WING NUMBER



PLAN

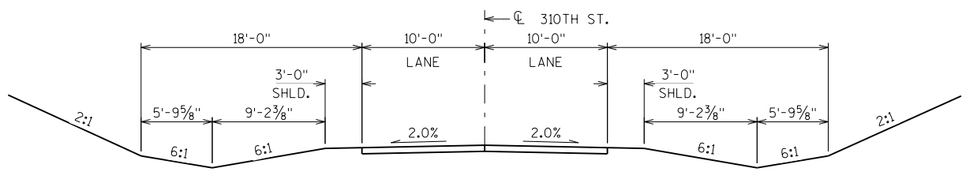
SINGLE SPAN - 45W" PRESTRESSED GIRDER



ELEVATION

NORMAL TO 310TH ST.
LOOKING NORTH

★ MINIMUM VERTICAL CLEARANCE



TYPICAL CROSS SECTION THRU 310TH ST.

NORMAL TO 310TH ST.
LOOKING NORTH

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.12
OPERATING RATING FACTOR: RF = 1.85
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 SLAB — 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.

45W" 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

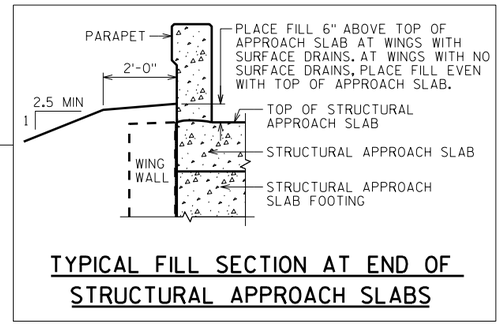
ABUTMENTS TO BE SUPPORTED ON HP 10X42 STEEL PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 180 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED 35'-0" LONG (PILE POINT REQ'D. @ EAST ABUT. ONLY).

** THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

TRAFFIC VOLUME

IH 94 EB
ADT = 45,000 (2039)
R.D.S. = 70 M.P.H.

310TH ST.
ADT = 275 (2039)
R.D.S. = 60 M.P.H.



TYPICAL FILL SECTION AT END OF STRUCTURAL APPROACH SLABS

STRUCTURE DESIGN CONTACTS:

AIHAM ALSKIF (608) 261-6113
AARON BONK (608) 261-0261

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. 45W" PRESTRESSED GIRDER DETAILS 1
9. 45W" PRESTRESSED GIRDER DETAILS 2
10. STEEL DIAPHRAGM
11. SUPERSTRUCTURE
12. SUPERSTRUCTURE DETAILS
13. STRUCTURAL APPROACH SLABS
14. PARAPET 42SS WITH STRUCTURAL APPROACH SLAB
15. SLOPE PAVING (CRUSHED AGGREGATE)
16. ALTERNATE CONSTRUCTION JOINT

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED William C. Dreher AMB — CHIEF STRUCTURES DESIGN ENGINEER — 8/1/18 DATE

STRUCTURE B-55-248

IH 94 EB OVER 310TH ST.

COUNTY	TOWN/CITY/VILLAGE
ST. CROIX	CADY

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
AA	MJK	DDS	AA

GENERAL PLAN

SHEET 1 OF 16

818

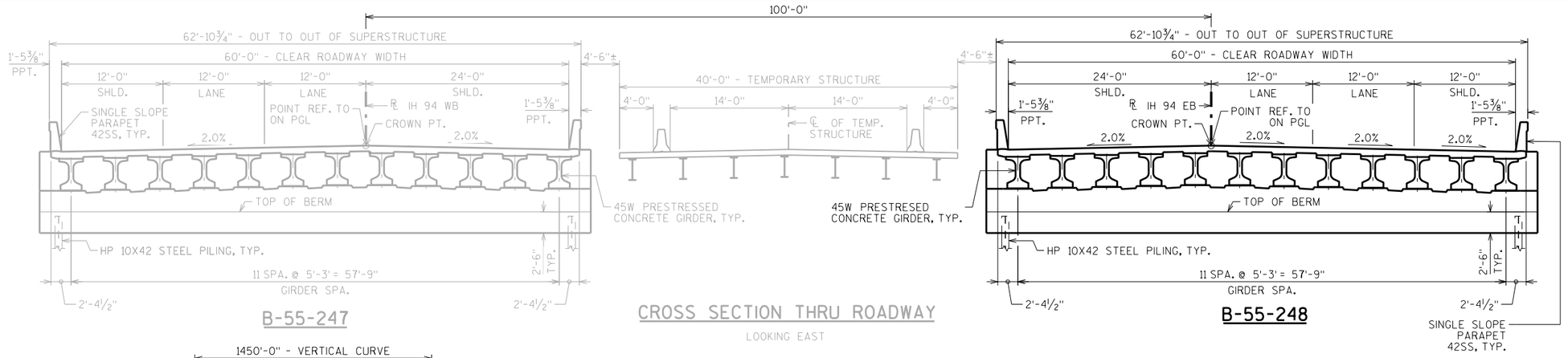
I.D. 1022-07-06A

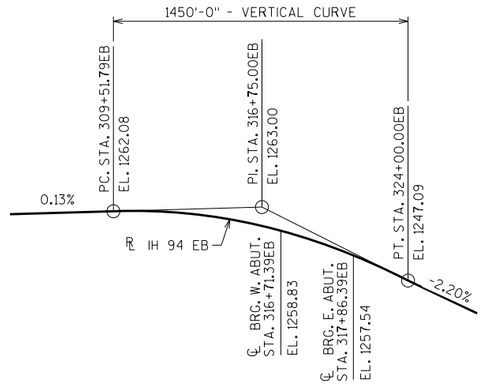
DATE: JULY 2018

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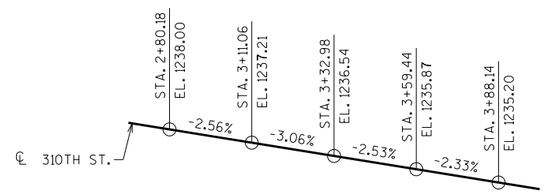
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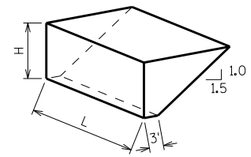




PROFILE GRADE LINE - ℄ IH 94 EB

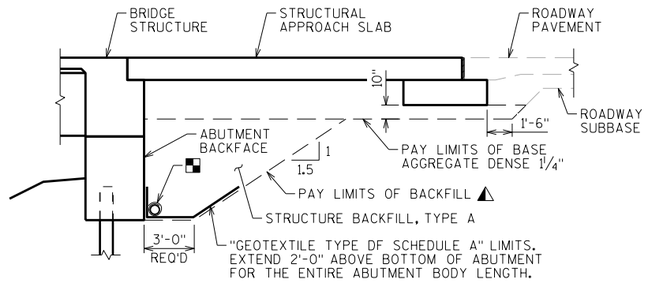


PROFILE GRADE LINE - ℄ 310TH ST.



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)



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.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	WEST APPROACH	WEST ABUT.	EAST ABUT.	EAST APPROACH	TOTALS
203.0200	REMOVING OLD STRUCTURE STA. 317+29.50 EB	LS	———	———	———	———	———	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-55-248	LS	———	———	———	———	———	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	———	———	395	395	———	790
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	———	———	206	206	———	412
502.0100	CONCRETE MASONRY BRIDGES	CY	317	85	94	94	85	675
502.3200	PROTECTIVE SURFACE TREATMENT	SY	817	134	———	———	134	1,085
502.3210	PIGMENTED SURFACE SEALER	SY	116	20	———	———	20	156
503.0146	PRESTRESSED GIRDER TYPE I 45W-INCH	LF	1,392	———	———	———	———	1,392
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	———	———	5,600	5,600	———	11,200
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	42,395	14,295	3,025	3,015	14,295	77,025
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	2,150	———	———	———	———	2,150
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	24	———	———	———	———	24
506.4000	STEEL DIAPHRAGMS B-55-248	EACH	22	———	———	———	———	22
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	———	———	18	18	———	36
550.0500	PILE POINTS	EACH	———	———	———	18	———	18
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF	———	———	630	630	———	1,260
604.0500	SLOPE PAVING CRUSHED AGGREGATE	SY	———	———	215	210	———	425
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	———	———	110	110	———	220
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	4	———	———	———	———	4
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	———	———	62	62	———	124
	NON-BID ITEMS							
	FILLER	SIZE	———	———	———	———	———	½", ¾", 1½"

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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-55-248 " 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. ALSO EXCLUDED IS THE "BASE AGGREGATE DENSE 1 1/4-INCH" AS DETAILED ON THE STRUCTURAL APPROACH SLAB SHEETS.

EXCAVATION BELOW THE ABUTMENT AND USE OF 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 PROTECTIVE 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 "45W PRESTRESSED GIRDER DETAILS 2" SHEET.

THE EXISTING STRUCTURE B-55-22, IS A 3 SPAN SLAB SPAN BRIDGE WITH CONCRETE ABUTMENTS AND PIERS IS TO BE REMOVED.

TEMPORARY STRUCTURE BID ITEM IS INCLUDED IN B-55-247 PLANS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-248

DRAWN BY DDS | PLANS CK'D. AA

CROSS SECTION & QUANTITIES

SHEET 2

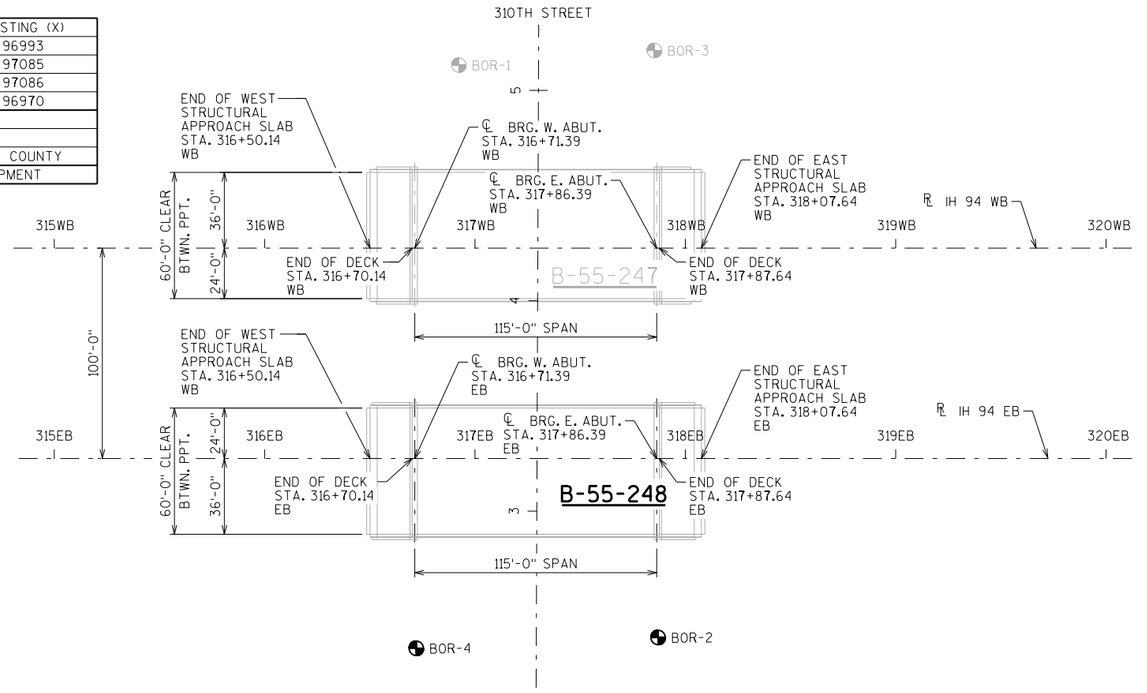
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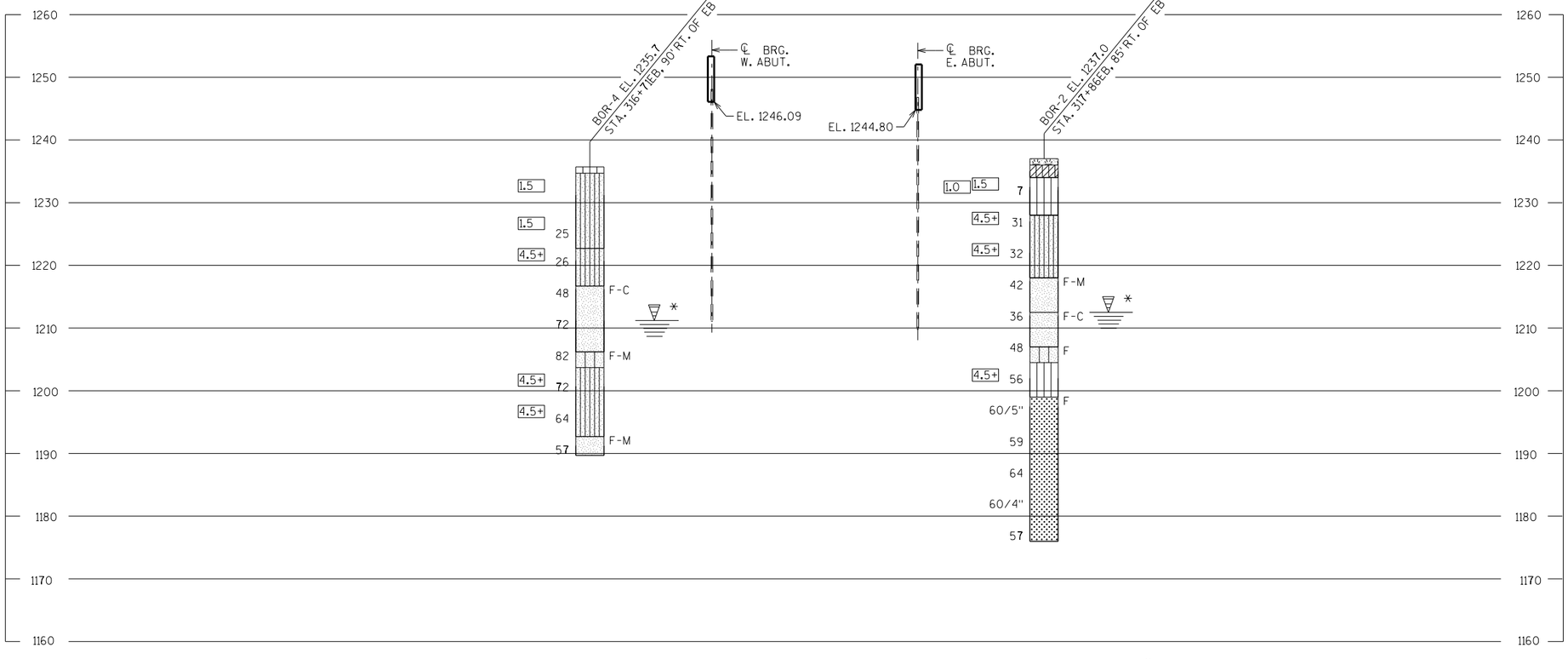
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8

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	10/24/2017	191682	96993
2	10/24/2017	191409	97085
3	10/24/2017	191688	97086
4	10/25/2017	191405	96970
BORINGS COMPLETED BY: WISDOT			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) DUNN COUNTY			
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT			





* THE GROUND WATER ELEVATION WAS DETERMINED FROM WHERE THE SOIL SAMPLE WAS DESCRIBED AS WET.

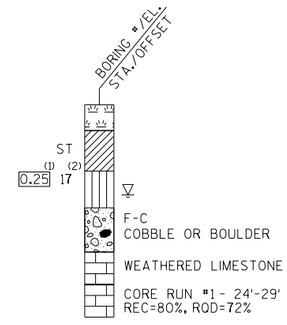
STATE PROJECT NUMBER

1022-07-76

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-55-248

DRAWN BY TLP/DDS | PLANS CK'D. AA

SUBSURFACE EXPLORATION

SHEET 3

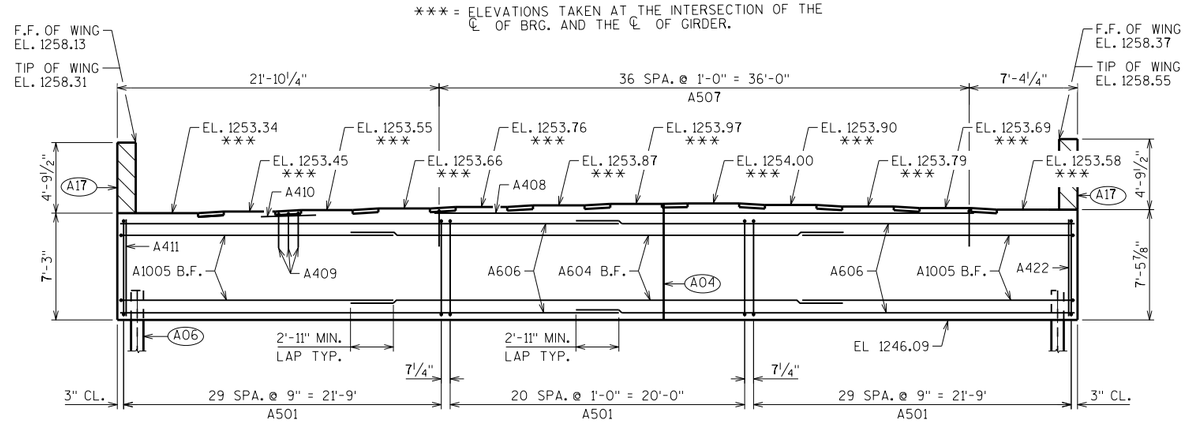
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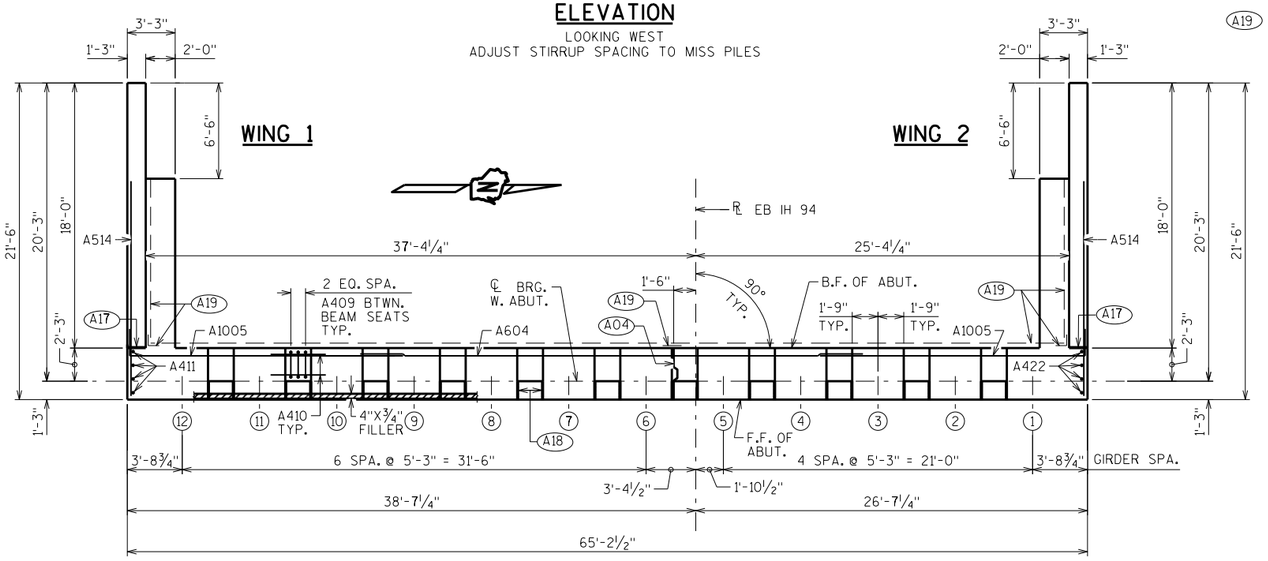
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*** = ELEVATIONS TAKEN AT THE INTERSECTION OF THE ℄ OF BRG. AND THE ℄ OF GIRDER.

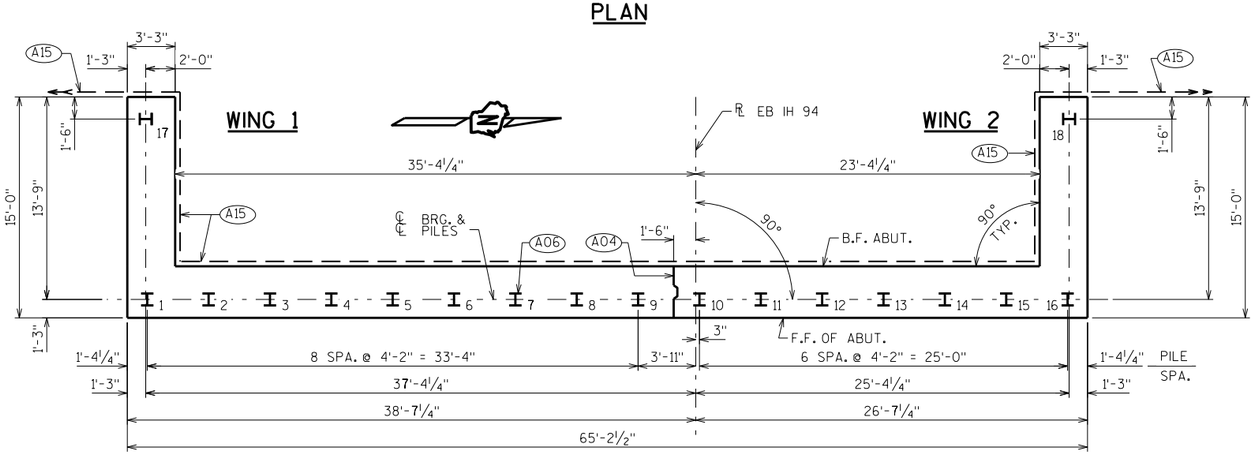


ELEVATION

LOOKING WEST
ADJUST STIRRUP SPACING TO MISS PILES



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 AT LEAST 0.03".

(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.

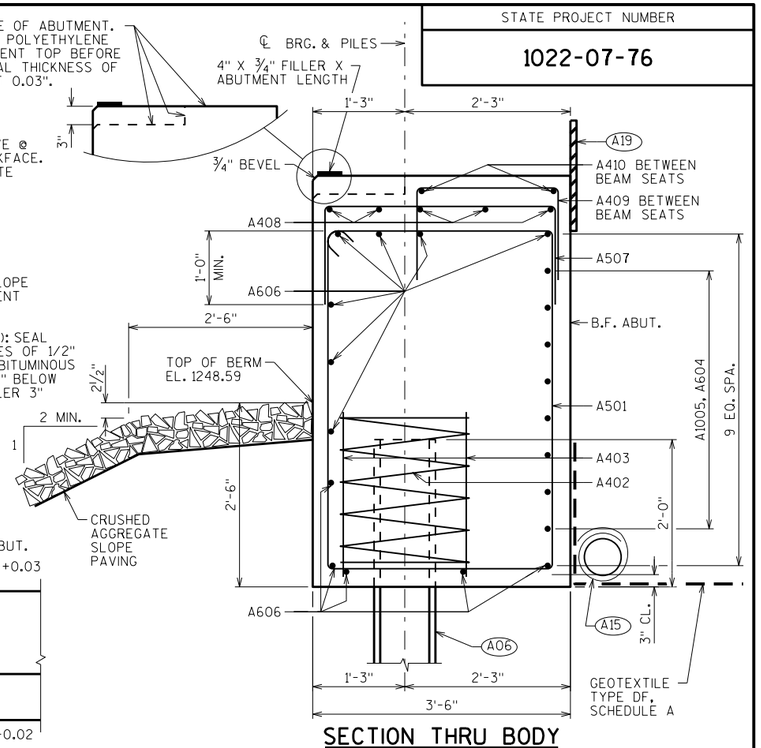
(A06) SUPPORT ABUTMENT ON HP 10 x 42 STEEL PILING, ESTIMATED 35'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

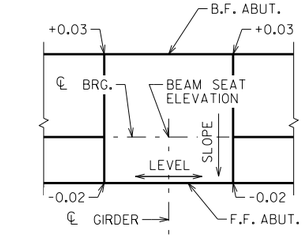
(A17) 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A18) 3/4" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

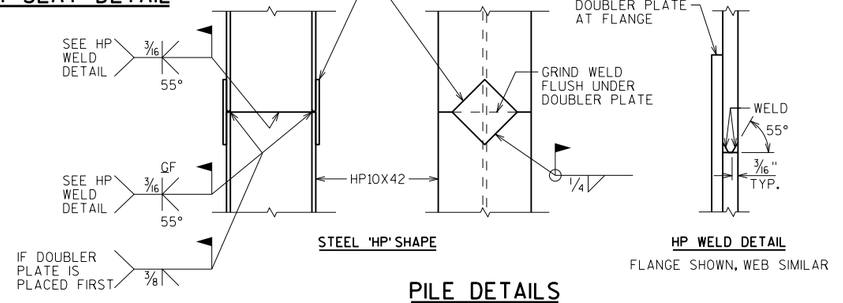
(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.



SECTION THRU BODY



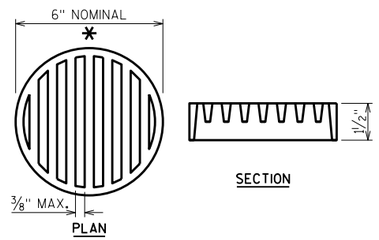
SLOPED BEAM SEAT DETAIL



STEEL 'HP' SHAPE

HP WELD DETAIL
FLANGE SHOWN, WEB SIMILAR

PILE DETAILS



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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DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-248

DRAWN BY DDS | PLANS CK'D. AA

WEST ABUTMENT

SHEET 4

821

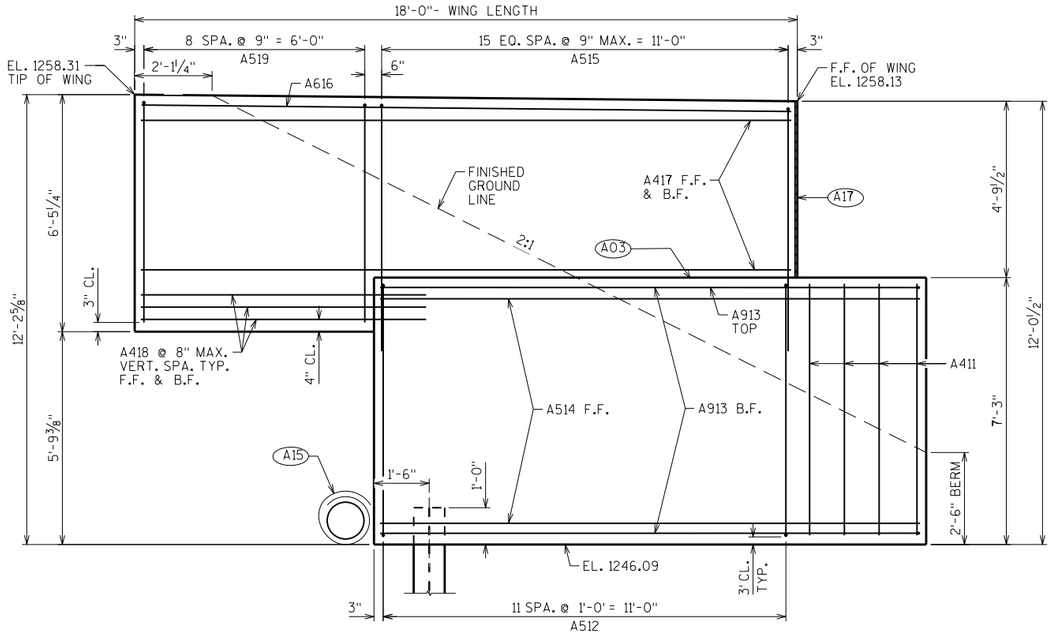
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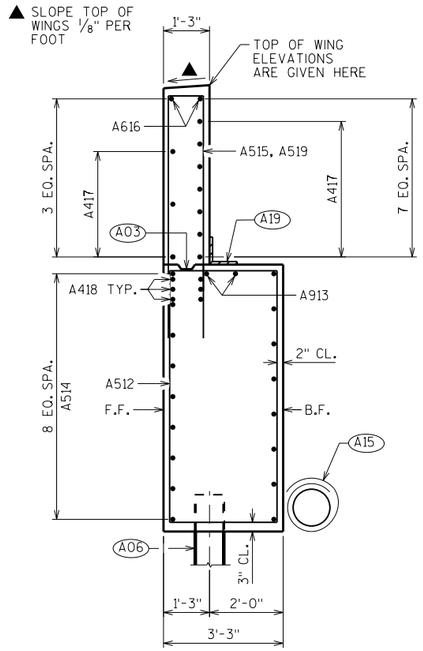
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STATE PROJECT NUMBER

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WING 1 ELEVATION

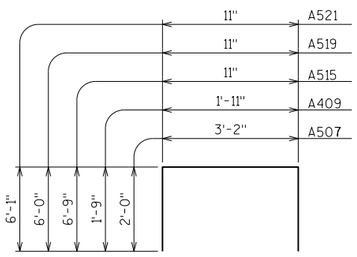


SECTION THRU WING 1

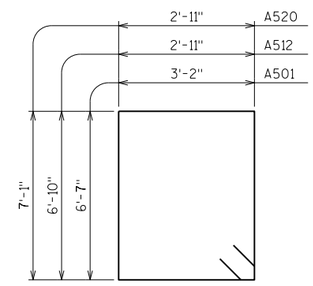
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

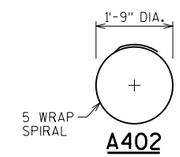
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A501		81	20'-2"	X		BODY - STIRRUP
A402		16	28'-0"	X		BODY - 1 PER BODY PILE
A403		32	2'-3"			BODY - 2 PER BODY PILE
A604		8	34'-9"			BODY - HORIZ. - B.F.
A1005		16	19'-7"	X		BODY - HORIZ. - B.F. - HOOK
A606		24	33'-11"			BODY - HORIZ. - TOP @ F.F
A507		37	6'-11"	X		BODY - VERT. - TOP - OVER GIRDERS 2-9
A408		5	36'-6"			BODY - HORIZ. - TOP - OVER GIRDERS 2-9
A409		33	5'-3"	X		BODY - VERT. - TOP - BTWN. BEAM SEATS
A410		22	3'-9"			BODY - HORIZ. - TOP - BTWN. BEAM SEATS
A411	X	4	6'-11"			WING 1/BODY - VERT. - END
A512	X	12	20'-2"	X		WING 1 - STIRRUP
A913	X	20	15'-11"	X		WING 1 & 2 - HORIZ. - B.F - HOOK
A514	X	18	14'-7"			WING 1 & 2 - HORIZ. - F.F
A515	X	32	14'-2"	X		WING 1 & 2 - VERT. - STIRRUP
A616	X	4	17'-8"			WING 1 & 2 - HORIZ. - TOP
A417	X	20	17'-8"			WING 1 & 2 - HORIZ. - B.F. & F.F.
A418	X	12	7'-9"			WING 1 & 2 - HORIZ. - B.F. & F.F.
A519	X	9	12'-8"	X		WING 1 - VERT.
A520	X	12	20'-8"	X		WING 2 - STIRRUP
A521	X	9	12'-10"	X		WING 2 - VERT.
A422	X	4	7'-2"			WING 2/BODY - VERT. - END



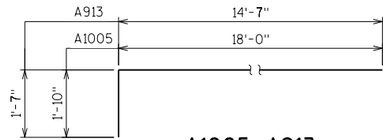
A507, A409, A515, A519, A521



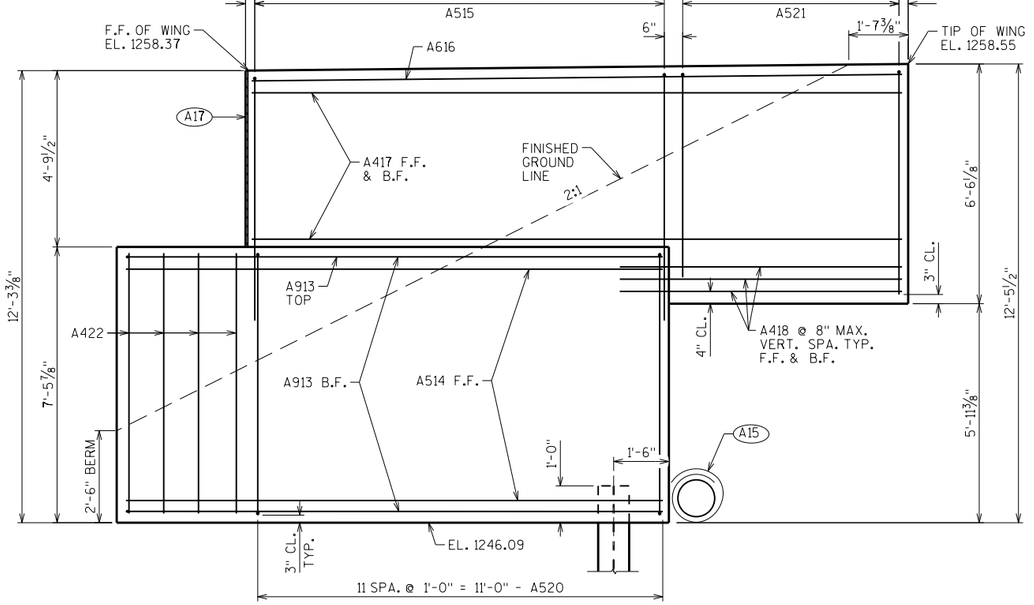
A501, A512, A520,



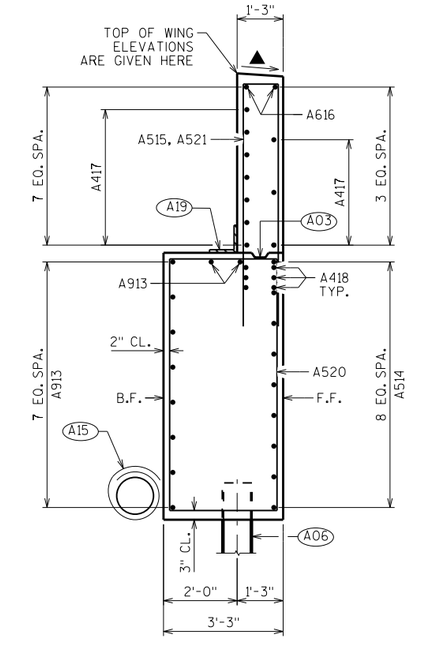
A402



A1005, A913



WING 2 ELEVATION



SECTION THRU WING 2

(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).

(A06) SUPPORT ABUTMENT ON HP 10 x 42 STEEL PILING, ESTIMATED 35'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE.

(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.

(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-55-248

DRAWN BY DDS | PLANS CK'D. AA

WEST ABUTMENT DETAILS

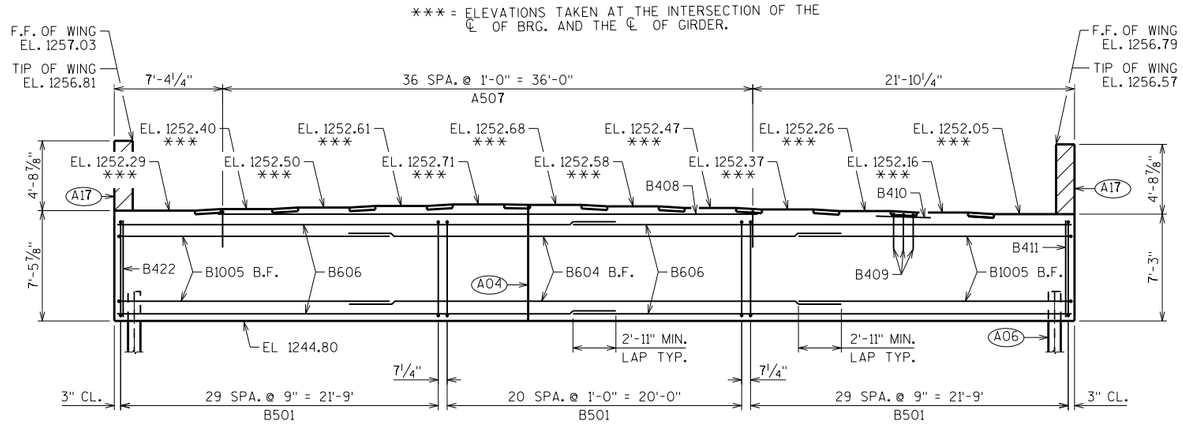
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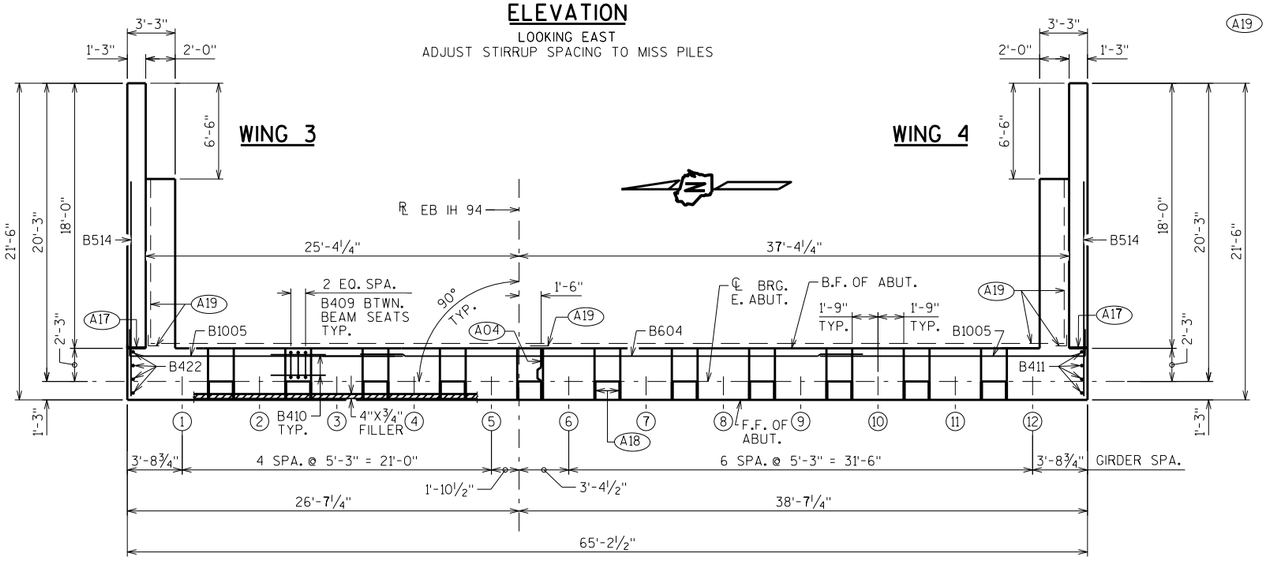
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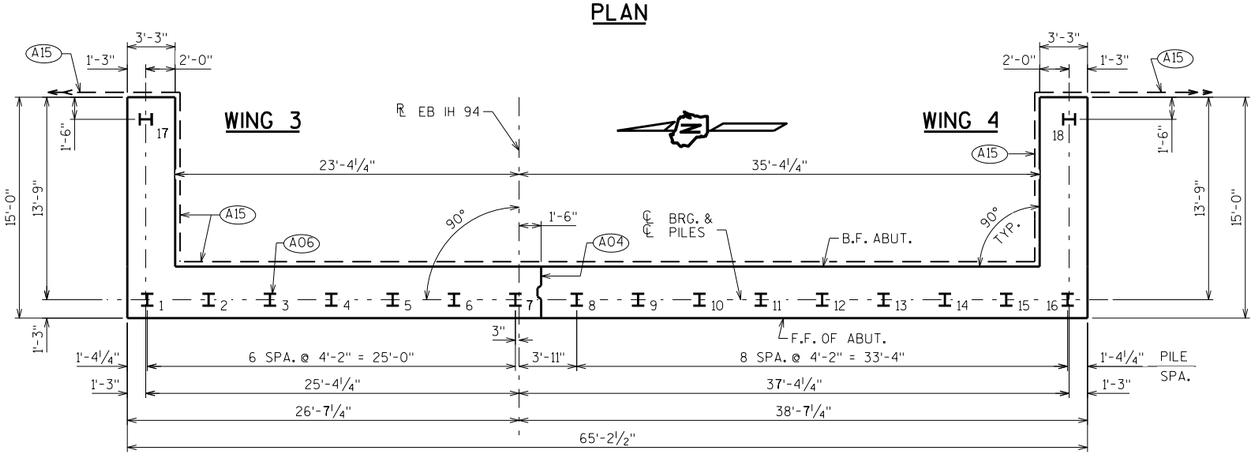
ELEVATION

LOOKING EAST

ADJUST STIRRUP SPACING TO MISS PILES



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 AT LEAST 0.03".

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.

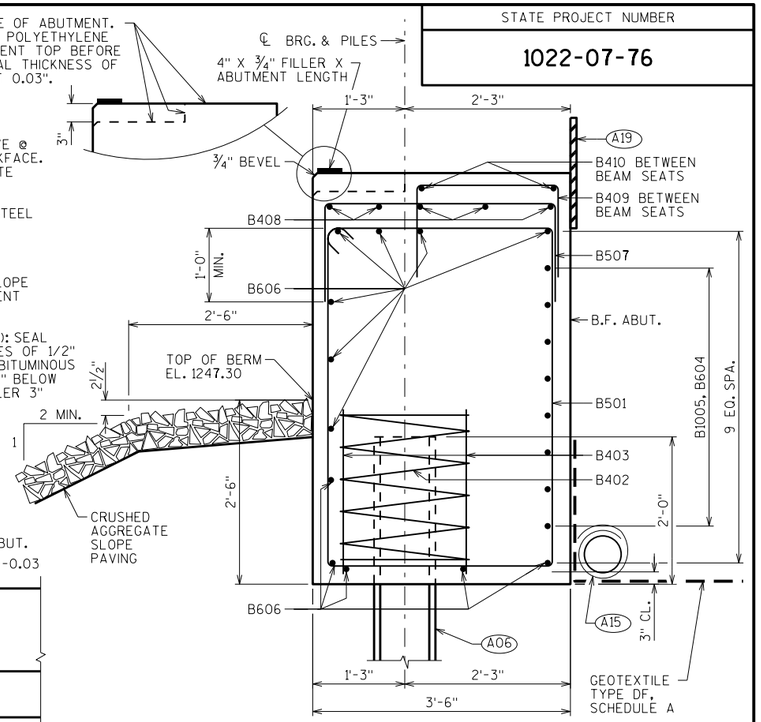
A06 SUPPORT ABUTMENT ON HP 10 X 42 STEEL PILING, ESTIMATED 35'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE. PILE POINTS REQ'D.

A15 PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

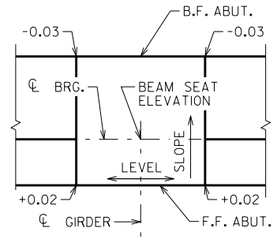
A17 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

A18 3/4" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

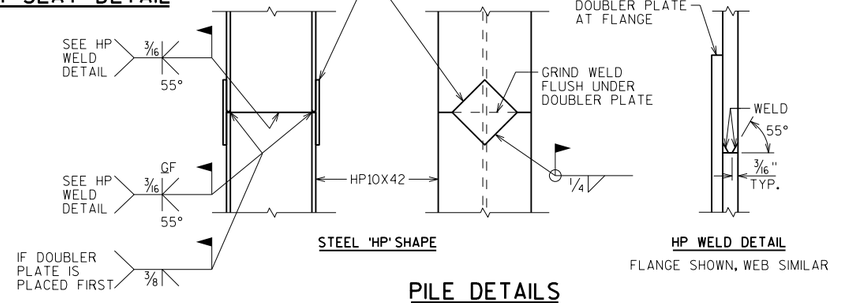
A19 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.



SECTION THRU BODY



SLOPED BEAM SEAT DETAIL

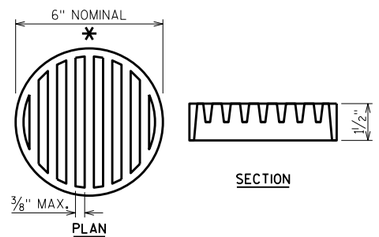


STEEL 'HP' SHAPE

HP WELD DETAIL

FLANGE SHOWN, WEB SIMILAR

PILE DETAILS



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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STRUCTURE B-55-248

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EAST ABUTMENT

SHEET 6

823

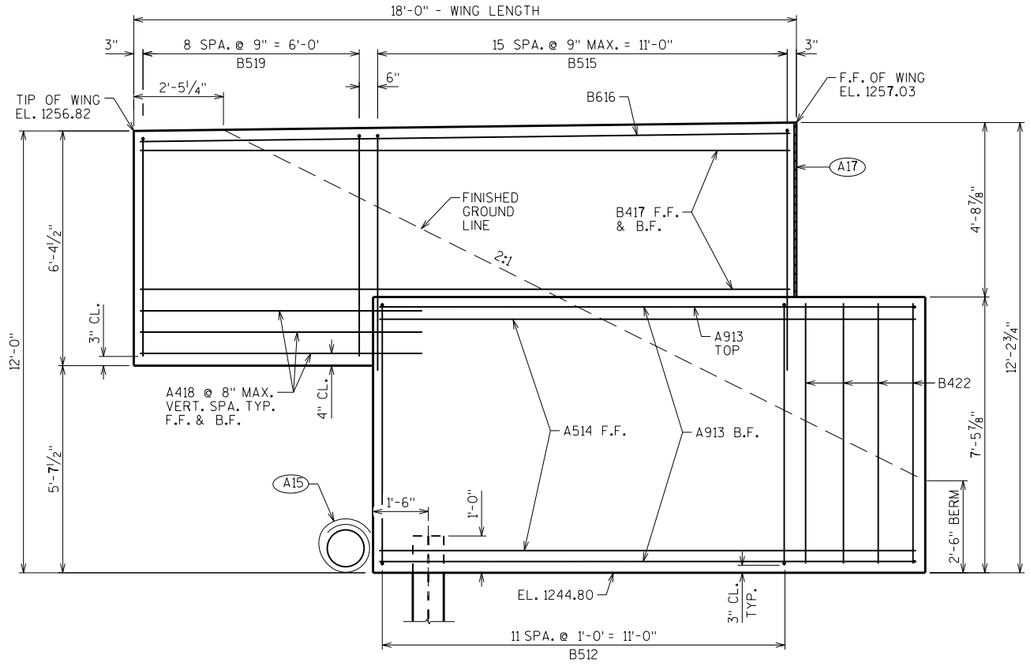
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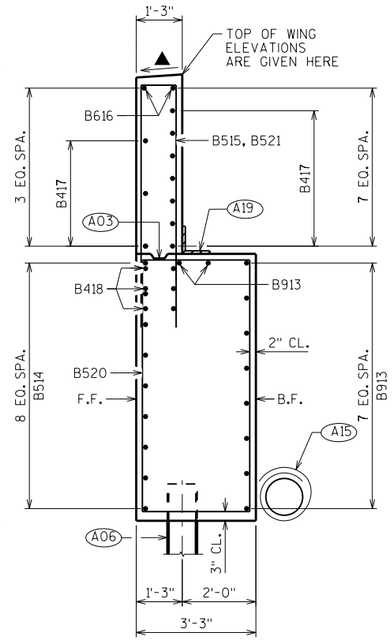
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STATE PROJECT NUMBER

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WING 3 ELEVATION

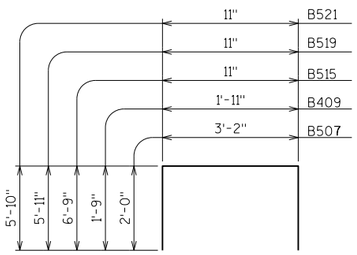


SECTION THRU WING 3

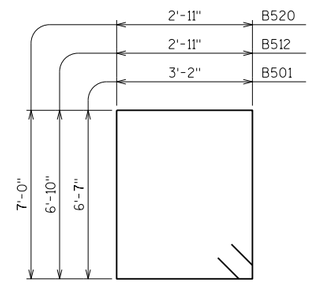
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

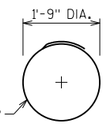
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B501		81	20'-2"	X		BODY - STIRRUP
B402		16	28'-0"	X		BODY - 1 PER BODY PILE
B403		32	2'-3"			BODY - 2 PER BODY PILE
B604		8	34'-9"			BODY - HORIZ. - B.F.
B1005		16	19'-7"	X		BODY - HORIZ. - B.F. - HOOK
B606		24	33'-11"			BODY - HORIZ.
B507		37	6'-11"	X		BODY - VERT. - TOP - OVER GIRDERS 2-9
B408		5	36'-6"			BODY - HORIZ. - TOP - OVER GIRDERS 2-9
B409		33	5'-3"	X		BODY - VERT. - TOP - BTWN. BEAM SEATS
B410		22	3'-9"			BODY - HORIZ. - TOP - BTWN. BEAM SEATS
B411	X	4	6'-11"			WING 3/BODY - VERT. - END
B512	X	12	20'-6"	X		WING 4 - STIRRUP
B913	X	20	15'-11"	X		WING 3 & 4 - HORIZ. - B.F - HOOK
B514	X	18	14'-7"			WING 3 & 4 - HORIZ. - F.F
B515	X	32	14'-2"	X		WING 3 & 4 - VERT. - STIRRUP
B616	X	4	17'-8"			WING 3 & 4 - HORIZ. - TOP
B417	X	20	17'-8"			WING 3 & 4 - HORIZ. - B.F. & F.F.
B418	X	12	7'-9"			WING 3 & 4 - HORIZ. - B.F. & F.F.
B519	X	9	12'-6"	X		WING 3 - VERT.
B520	X	12	20'-2"	X		WING 3 - STIRRUP
B521	X	9	12'-4"	X		WING 4 - VERT.
B422	X	4	7'-2"			WING 3/BODY - VERT. - END



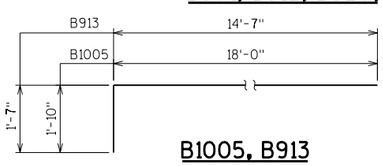
B507, B409, B515, B519, B521



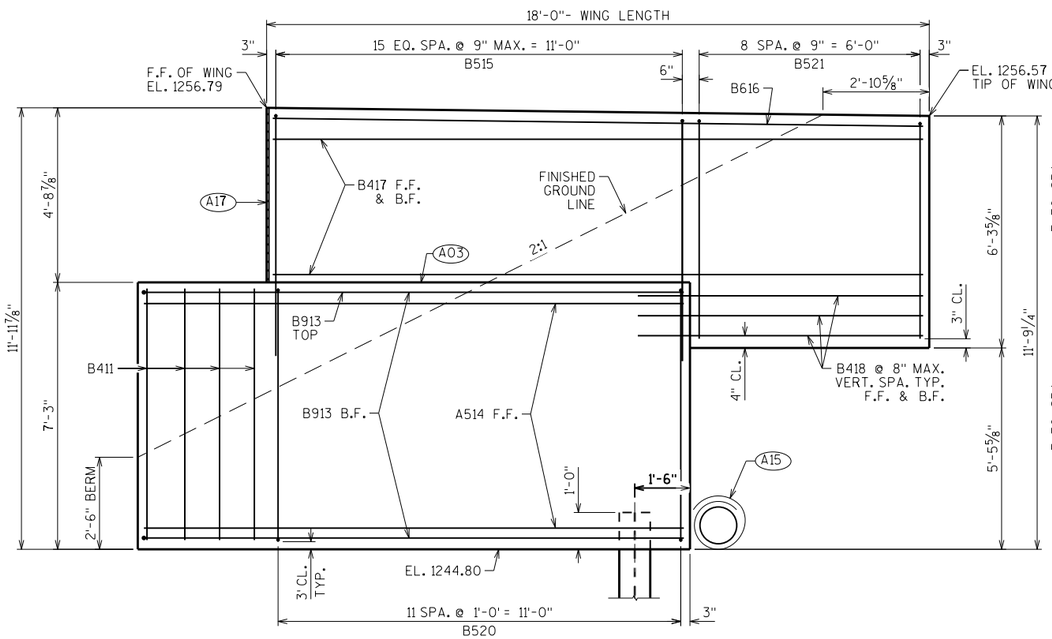
B501, B512, B520,



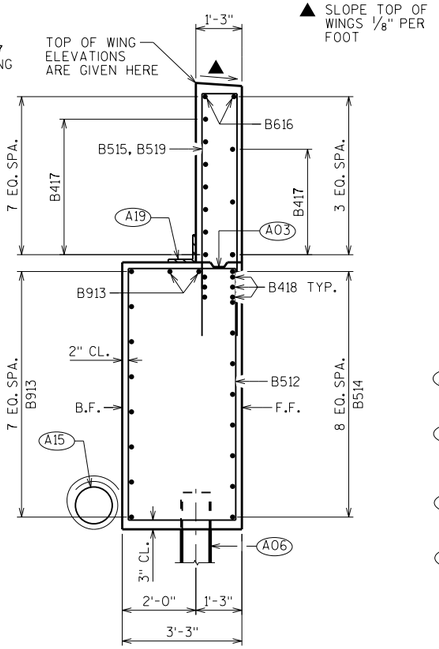
B402



B1005, B913



WING 4 ELEVATION



SECTION THRU WING 4

(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).

(A06) SUPPORT ABUTMENT ON HP 10 X 42 STEEL PILING, ESTIMATED 35'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE. PILE POINTS REQ'D.

(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.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

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EAST ABUTMENT DETAILS

SHEET 7

824

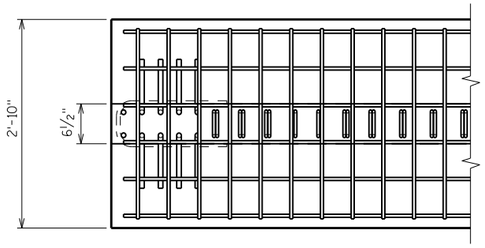
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8

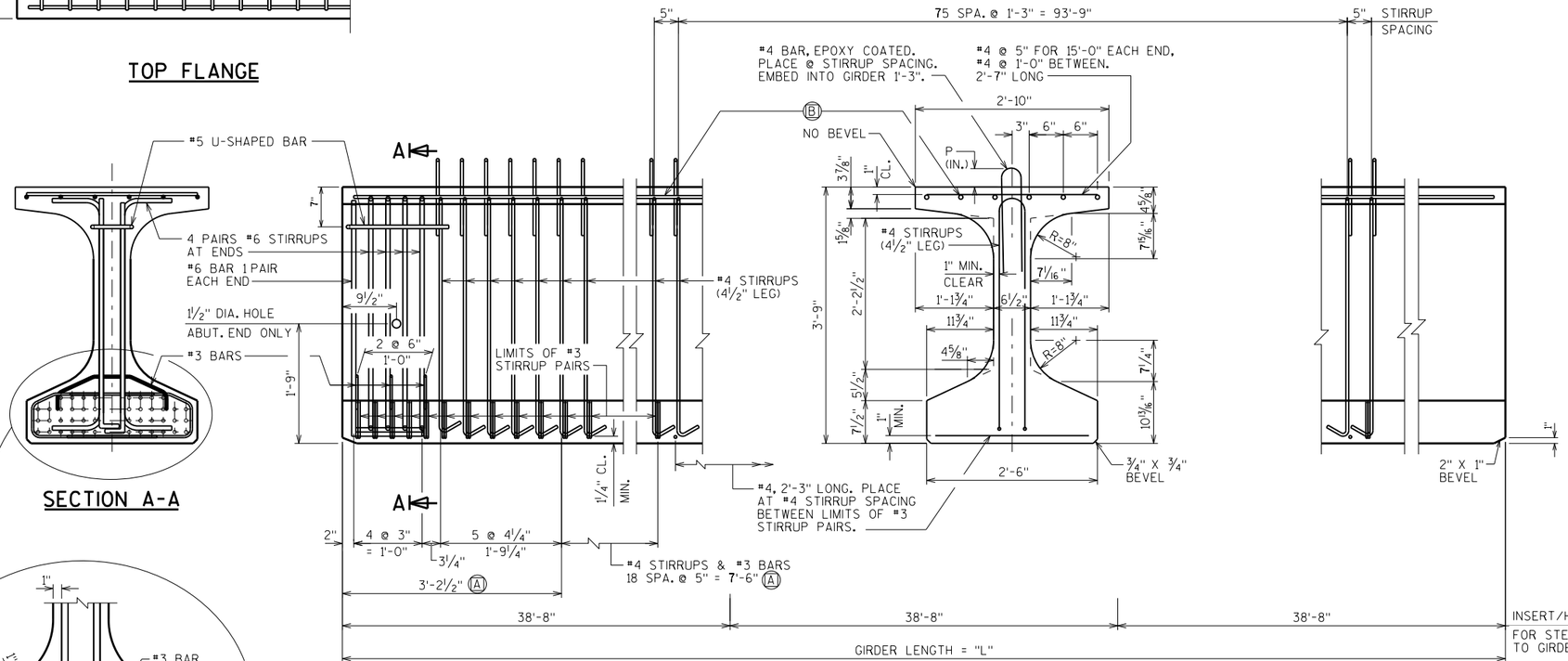
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STATE PROJECT NUMBER

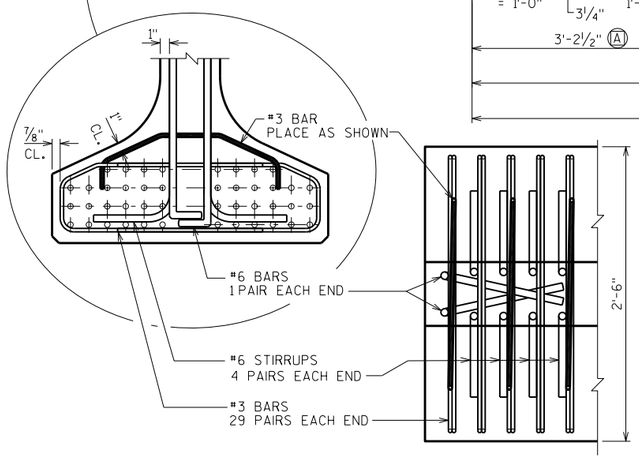
1022-07-76



TOP FLANGE



SECTION A-A

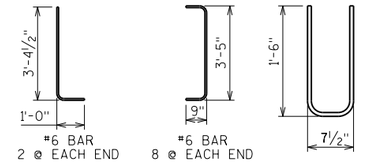


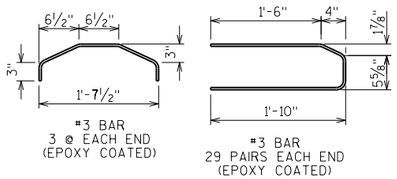
BOTTOM FLANGE

SIDE VIEW & TYPICAL SECTION IN SPAN

Ⓐ DETAIL TYP. AT EACH END

Ⓑ 6 - #4 BARS, FULL LENGTH, MIN. LAP = 1'-11"





NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 8" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 8" 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, 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 ALTERNATE EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A1064 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DEVELOPMENT SECTION.

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.

✳ MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L"	DEAD LOAD DEFL. (IN.)									CONC. STRGTH. f'c (p.s.i.)	"P" 1ST ⅓ OF GIRDER	"P" MID ⅓ OF GIRDER	"P" END ⅓ OF GIRDER	DIA. OF STRAND (IN.)	DRAPED PATTERN						UNDRAPED PATTERN	
			1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10						TOTAL NO. OF STRANDS	f'ci (P.S.I.) ✳	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	TOTAL NO. OF STRANDS	f'ci (P.S.I.) ✳
1	ALL	116	0.8	1.4	2.0	2.3	2.4	2.3	2.0	1.4	0.8	8,000	8	8	8	0.6	36	6.8	40	13.75	16.75	5		

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STRUCTURE B-55-248

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45W" PRESTRESSED GIRDER DETAILS 1

SHEET 8

825

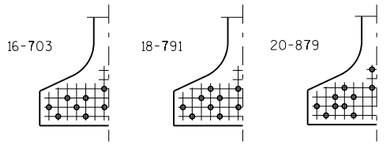
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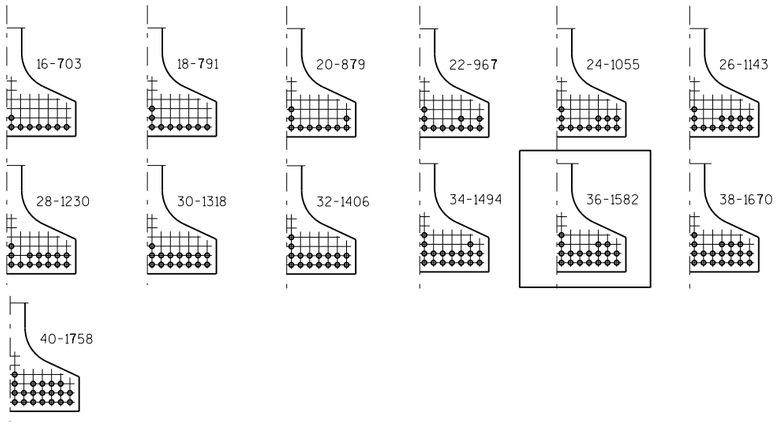
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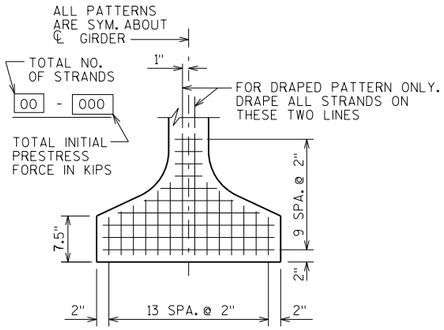
STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPING OF STRANDS

0.6"Φ STRANDS

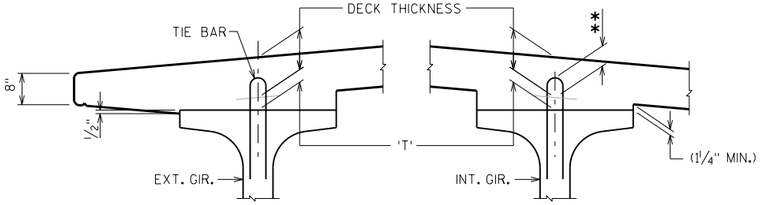


ARRANGEMENT AT ℄ SPAN - FOR GIRDERS WITH DRAPED STRANDS

0.6"Φ STRANDS



TYP. STRAND PATTERN



DECK HAUNCH DETAIL

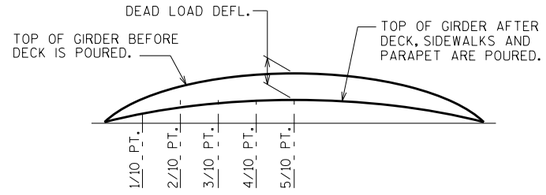
IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR, THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

** IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

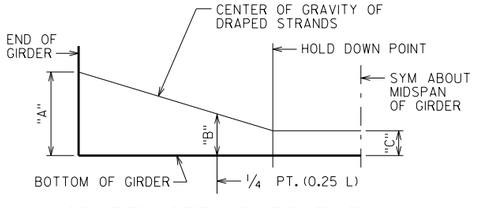
TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

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 3.3" WAS USED IN THE 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	4.05

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

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STRUCTURE B-55-248

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45W" PRESTRESSED GIRDER DETAILS 2

SHEET 9

826

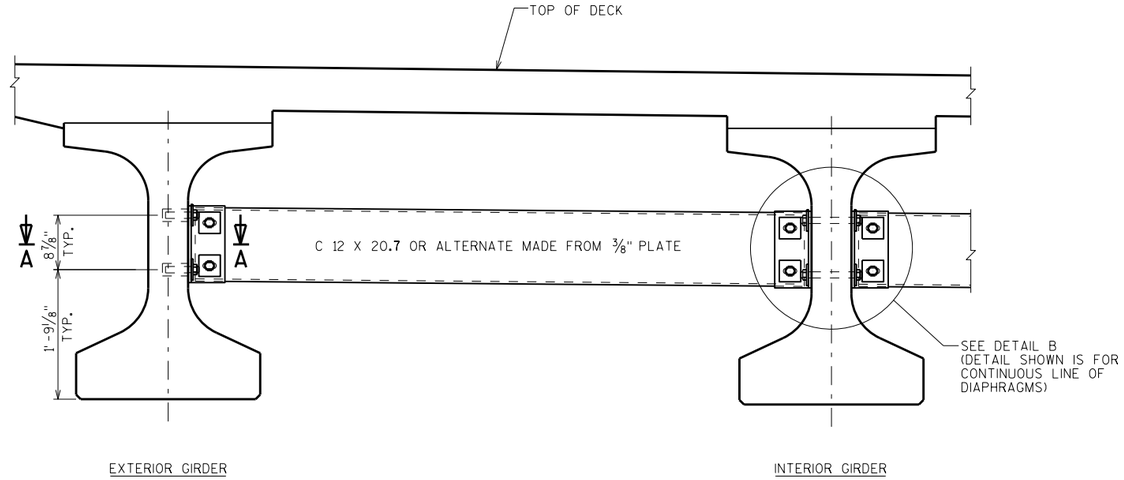
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PART TRANSVERSE SECTION AT DIAPHRAGM

NOTES

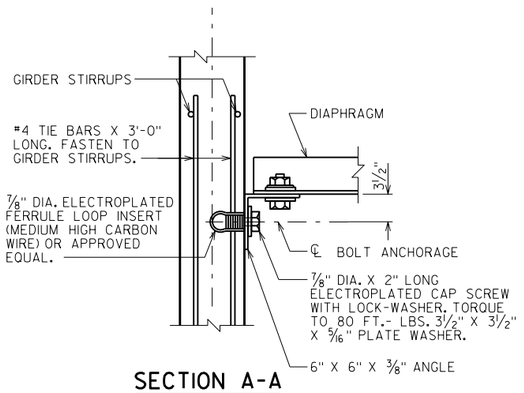
ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-55-248", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

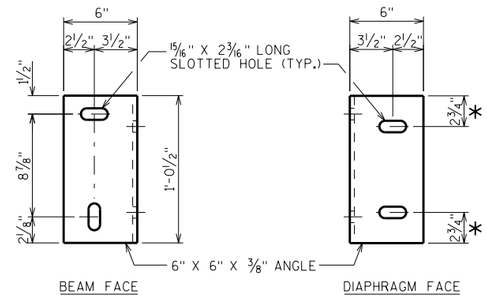
ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

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.



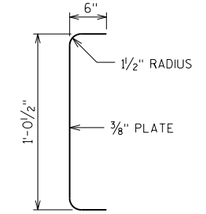
SECTION A-A

(FOR EXTERIOR ATTACHMENT)

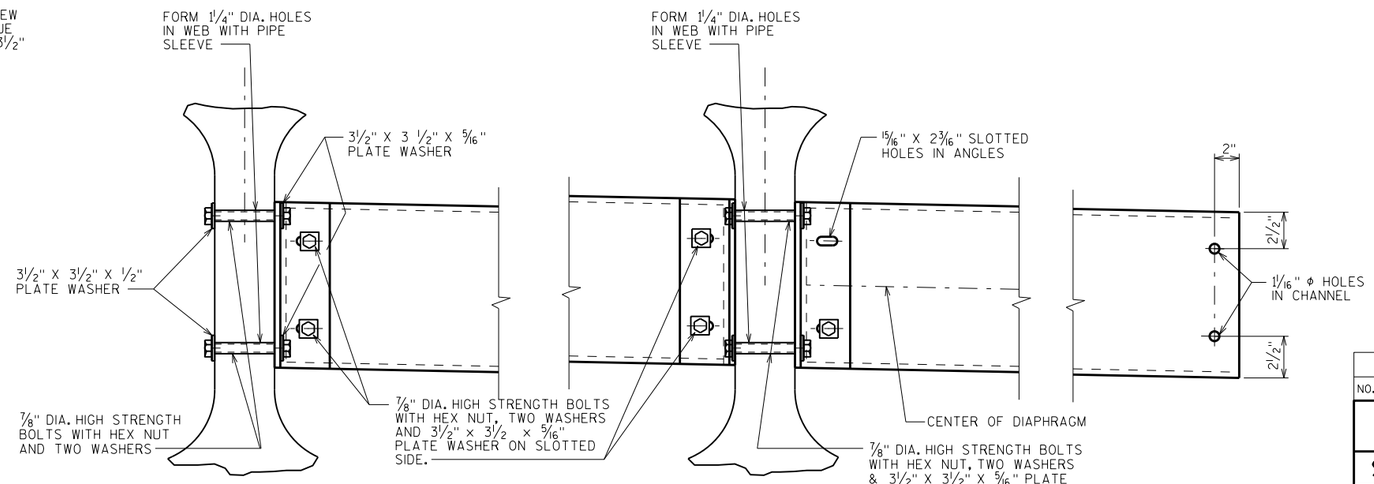


DIAPHRAGM SUPPORT

* 2 1/2" FOR ALTERNATE PLATE DIAPHRAGM



SECTION THRU ALTERNATE DIAPHRAGM



(FOR STAGGERED DIAPHRAGM)

(FOR CONTINUOUS LINE OF DIAPHRAGMS)

DETAIL B

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STRUCTURES DESIGN SECTION

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STEEL DIAPHRAGM

SHEET 10

827

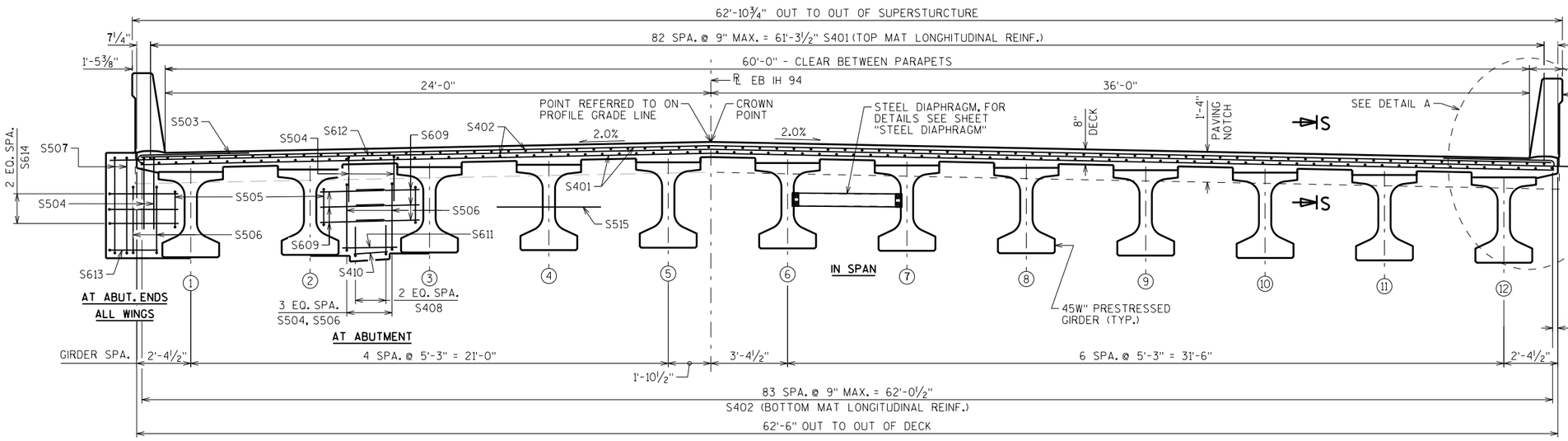
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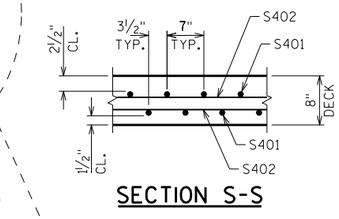
STATE PROJECT NUMBER

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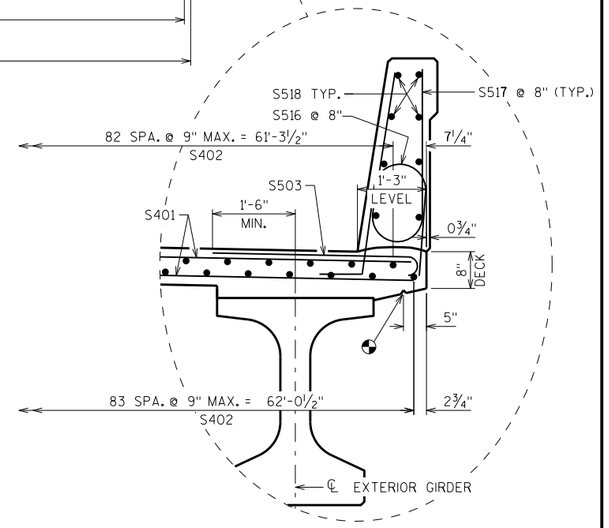


CROSS SECTION THRU ROADWAY

LOOKING EAST



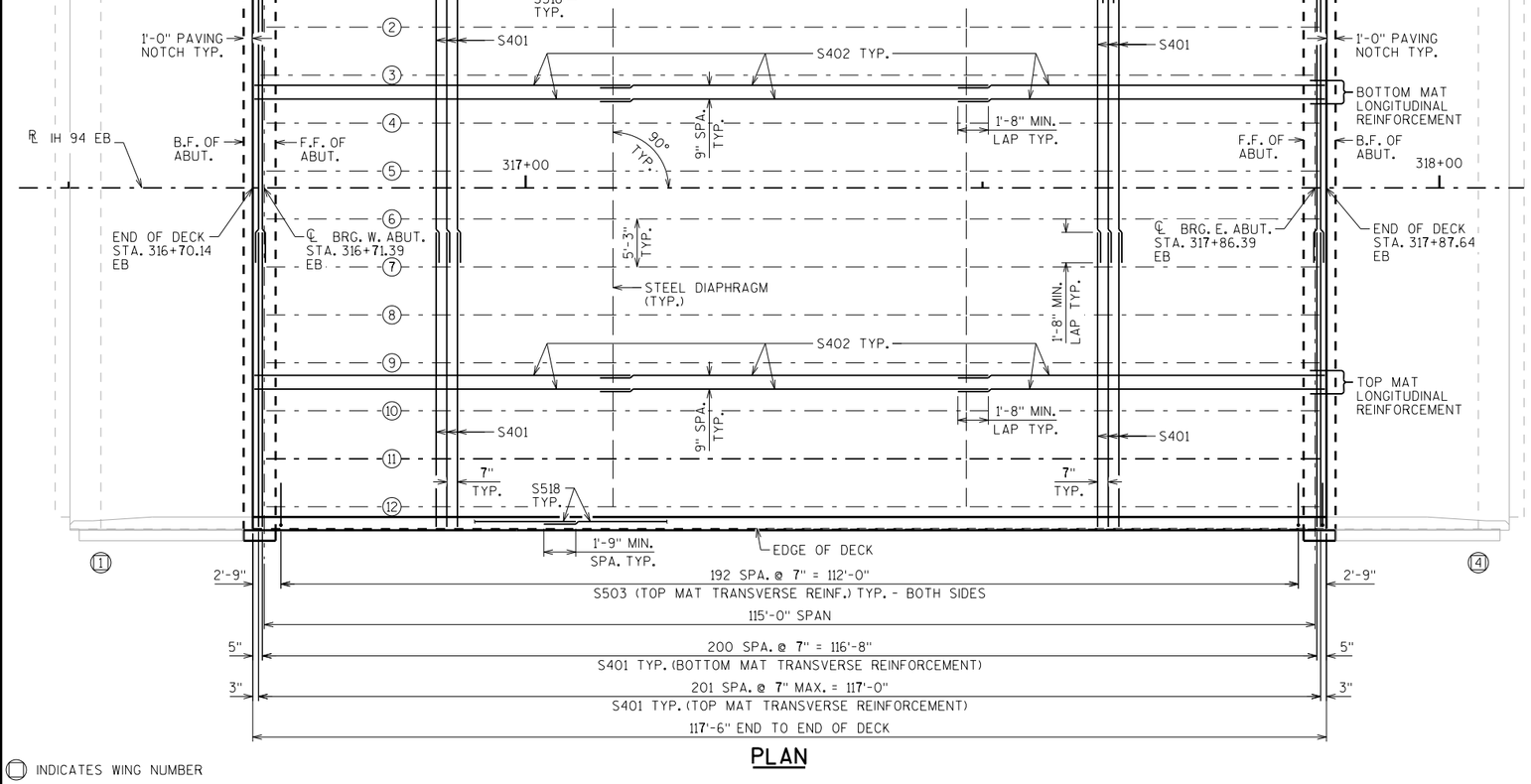
SECTION S-S



DETAIL A

TYP.

◔ = ¾" V-GROOVE TERMINATE 6" FROM FRONT FACE OF ABUTMENT DIAPHRAGM



PLAN

◯ INDICATES WING NUMBER

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STRUCTURES DESIGN SECTION

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SUPERSTRUCTURE

SHEET 11

828

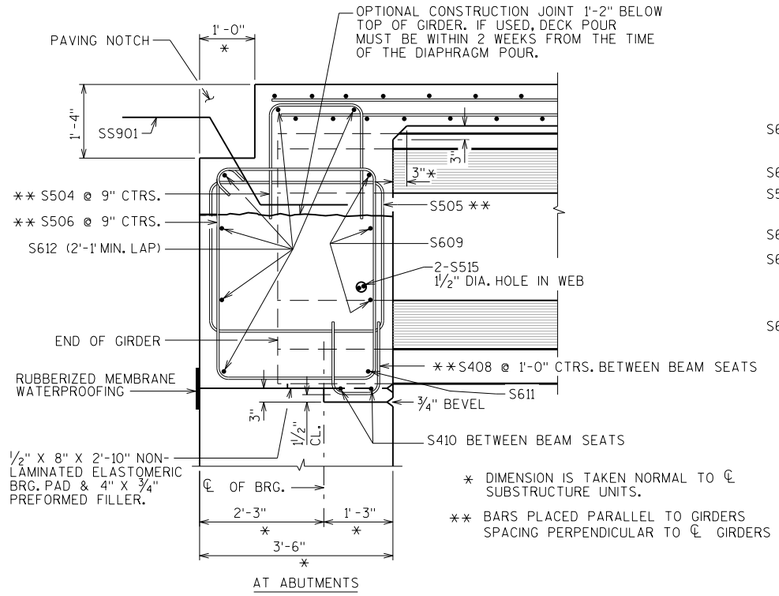
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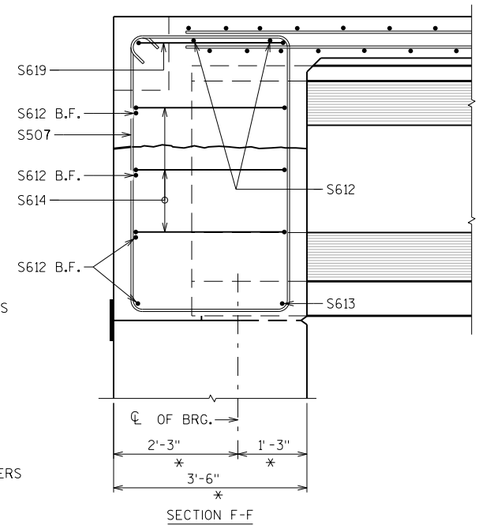
STATE PROJECT NUMBER

1022-07-76



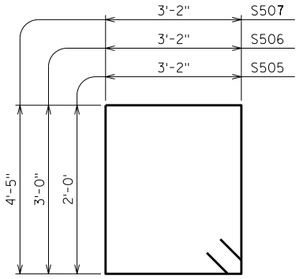
AT ABUTMENTS

PART LONGIT. SECTION

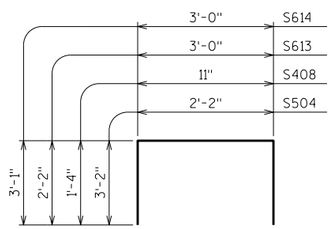


SECTION F-F

PART LONGIT. SECTION



S505, S506, S507,



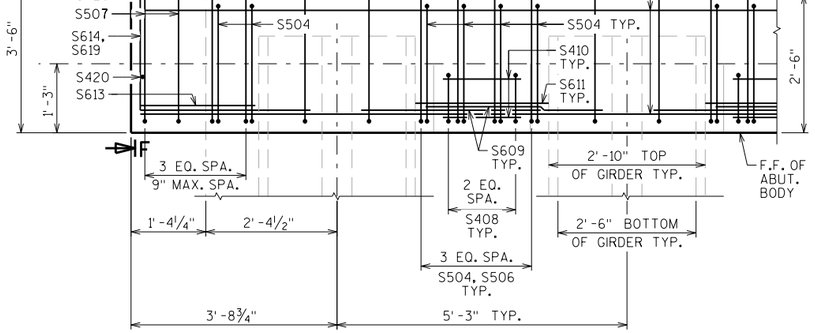
S504, S408, S613, S614

BILL OF BARS

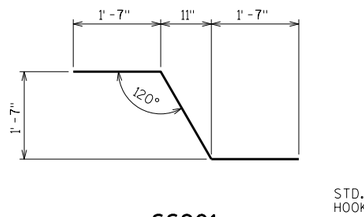
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
S401	X	806	32'-7"			DECK - TOP & BOT. - HORIZ. - TRANS.
S402	X	501	40'-2"			DECK - TOP & BOT. - HORIZ. - LONGIT.
S503	X	386	4'-7"	X		DECK - TOP - HORIZ. - TRANS.
S504	X	96	8'-3"	X		ABUT. DIAPH. - VERT. - BTWN. GIRDERS
S505	X	48	11'-0"	X		ABUT. DIAPH. - STIRRUP - AT GIRDERS
S506	X	96	13'-0"	X		ABUT. DIAPH. - STIRRUP
S507	X	8	15'-10"	X		ABUT. DIAPH. ENDS - STIRRUP
S408	X	66	3'-5"	X		ABUT. DIAPH. - VERT. - BTWN. GIRDERS
S609	X	132	3'-3"			ABUT. DIAPH. - HORIZ. - BTWN. GIRDERS
S410	X	44	1'-6"			ABUT. DIAPH. - HORIZ. - BTWN. GIRDERS
S611	X	22	2'-6"			ABUT. DIAPH. - HORIZ. - BTWN. GIRDERS
S612	X	24	33'-6"			ABUT. DIAPH. - HORIZ. - B.F.
S613	X	4	7'-0"	X		ABUT. DIAPH. ENDS - HORIZ.
S614	X	12	8'-10"	X		ABUT. DIAPH. ENDS - HORIZ.
S515	X	48	6'-0"			ABUT. DIAPH. - THRU GIRDERS
S516	X	177	4'-5"	X		42SS PARAPET - VERT.
S517	X	177	6'-8"	X		42SS PARAPET - VERT.
S518	X	48	40'-2"			42SS PARAPET - LONGIT.
S619	X	4	6'-8"	X		ABUT. DIAPH. ENDS - HORIZ.
S420	X	8	4'-5"			ABUT. DIAPH. ENDS - VERT.
SS901		126	5'-0"	X		ABUT. DIAPH. TO APPROACH SLAB

STAINLESS STEEL

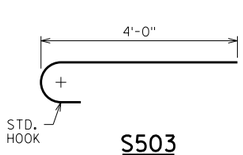


END DIAPHRAGM PLAN VIEW

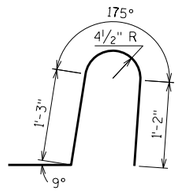


SS901

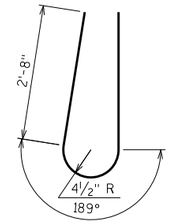
STAINLESS STEEL



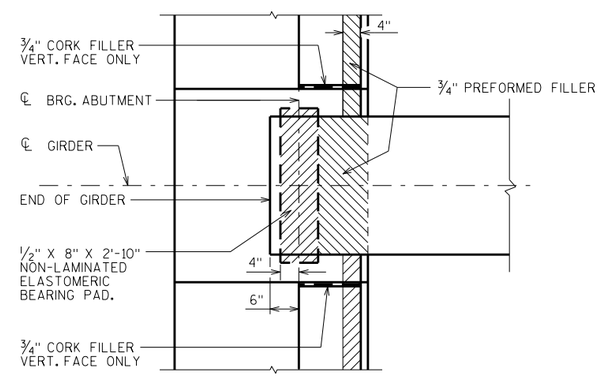
S503



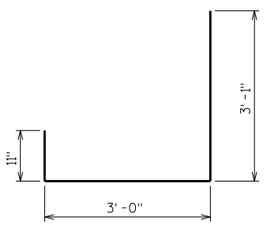
S516



S517



BEARING PAD DETAIL



S619

TOP OF DECK ELEVATIONS

LOCATION	℄ BRG. W. ABUT.	1/10 PT.	2/10 PT.	3/10 PT.	4/10 PT.	5/10 PT.	6/10 PT.	7/10 PT.	8/10 PT.	9/10 PT.	℄ BRG. E. ABUT.
N. EDGE OF DECK	1258.35	1258.23	1258.11	1257.99	1257.86	1257.73	1257.60	1257.47	1257.34	1257.20	1257.06
℄ GIRDER 1	1258.37	1258.25	1258.13	1258.01	1257.88	1257.75	1257.62	1257.49	1257.36	1257.22	1257.08
℄ GIRDER 2	1258.48	1258.36	1258.24	1258.11	1257.99	1257.86	1257.73	1257.60	1257.46	1257.33	1257.19
℄ GIRDER 3	1258.58	1258.46	1258.34	1258.22	1258.09	1257.96	1257.83	1257.70	1257.57	1257.43	1257.29
℄ GIRDER 4	1258.69	1258.57	1258.45	1258.32	1258.20	1258.07	1257.94	1257.81	1257.67	1257.54	1257.40
℄ GIRDER 5	1258.79	1258.67	1258.55	1258.43	1258.30	1258.17	1258.04	1257.91	1257.78	1257.64	1257.50
℞ EB IH 94	1258.83	1258.71	1258.59	1258.47	1258.34	1258.21	1258.08	1257.95	1257.82	1257.68	1257.54
℄ GIRDER 6	1258.76	1258.64	1258.52	1258.40	1258.27	1258.14	1258.01	1257.88	1257.75	1257.61	1257.47
℄ GIRDER 7	1258.66	1258.54	1258.42	1258.29	1258.17	1258.04	1257.91	1257.78	1257.64	1257.51	1257.37
℄ GIRDER 8	1258.55	1258.43	1258.31	1258.19	1258.06	1257.93	1257.80	1257.67	1257.54	1257.40	1257.26
℄ GIRDER 9	1258.45	1258.33	1258.21	1258.08	1257.96	1257.83	1257.70	1257.57	1257.43	1257.30	1257.16
℄ GIRDER 10	1258.34	1258.22	1258.10	1257.98	1257.85	1257.72	1257.59	1257.46	1257.33	1257.19	1257.05
℄ GIRDER 11	1258.24	1258.12	1258.00	1257.87	1257.75	1257.62	1257.49	1257.36	1257.22	1257.09	1256.95
℄ GIRDER 12	1258.13	1258.01	1257.89	1257.77	1257.64	1257.51	1257.38	1257.25	1257.12	1256.98	1256.84
S. EDGE OF DECK	1258.11	1257.99	1257.87	1257.75	1257.62	1257.49	1257.36	1257.23	1257.10	1256.96	1256.82

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-248

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SUPERSTRUCTURE DETAILS

SHEET 12

829

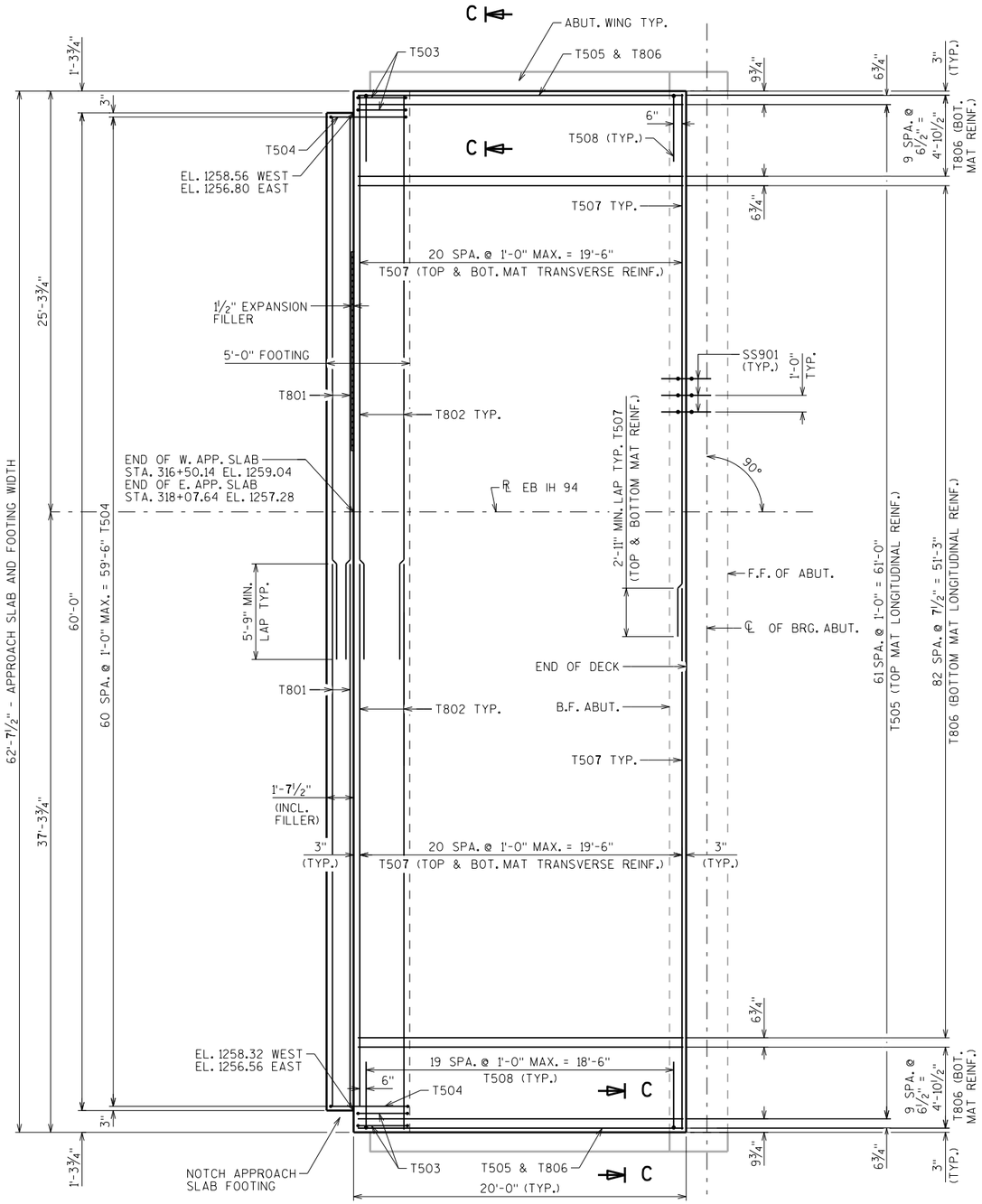
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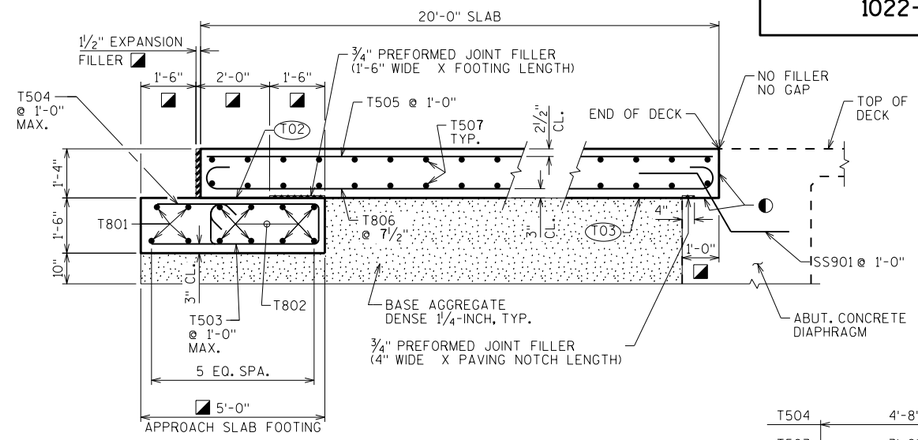
STATE PROJECT NUMBER

1022-07-76

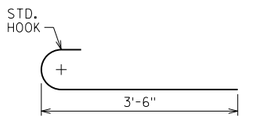


PLAN

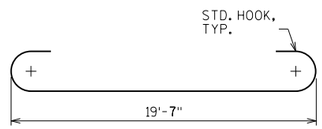
WEST APPROACH SLAB SHOWN,
EAST APPROACH SLAB SIMILAR



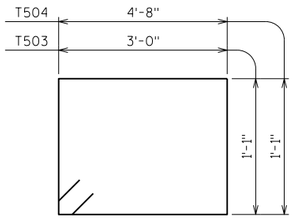
SECTION THRU APPROACH SLAB



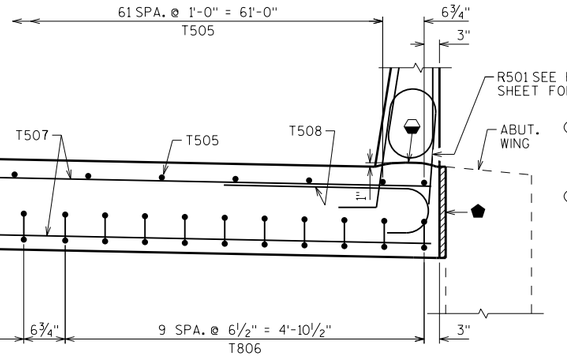
T508



T806



T503, T504



DETAIL C-C

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 LENGTH OF THE SUBGRADE.

◐ APPLY PROTECTIVE SURFACE TREATMENT TO PAVING NOTCH SURFACES PRIOR TO POURING STRUCTURAL APPROACH SLAB.

◪ MEASURED NORMAL TO ABUTMENT

⬟ SEE ALL EXPOSED HORIZONTAL AND VERTICAL SURFACE 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.

⬣ CONST. JOINT - STRIKE OFF AS SHOWN

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D. WEST APPR. SLAB	NO. REQ'D. EAST APPR. SLAB	LENGTH	BENT	BAR SERIES	LOCATION
T801	X	4	4	59'-8"			FOOTING - HORIZONTAL
T802	X	16	16	34'-0"			FOOTING - HORIZONTAL
T503	X	4	4	8'-10"	X		FOOTING - STIRRUP
T504	X	61	61	12'-2"	X		FOOTING - STIRRUP
T505	X	64	64	19'-7"			APPROACH SLAB - LONGITUDINAL - TOP
T806	X	103	103	21'-5"	X		APPROACH SLAB - LONGITUDINAL - BOTTOM
T507	X	84	84	32'-9"			APPROACH SLAB - TRANSVERSE - TOP & BOT. OF SLAB
T508	X	40	40	4'-1"	X		APPROACH SLAB - TRANSVERSE - TOP EDGES OF SLAB

NO.	DATE	REVISION	BY

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DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-248

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STRUCTURAL APPROACH SLABS

SHEET 13

830

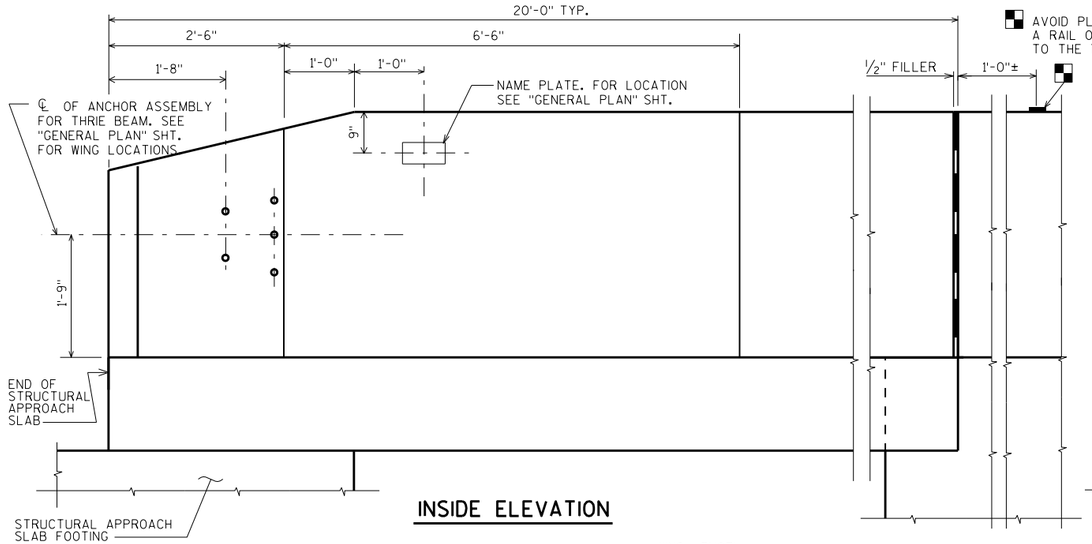
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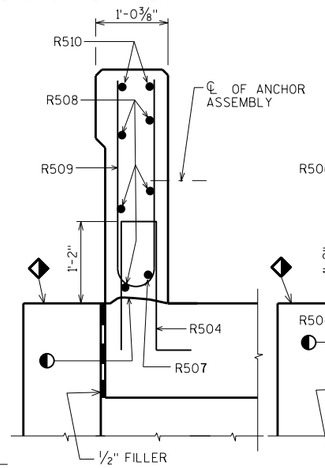
STATE PROJECT NUMBER

1022-07-76

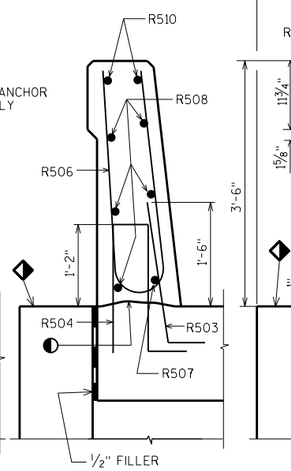


INSIDE ELEVATION

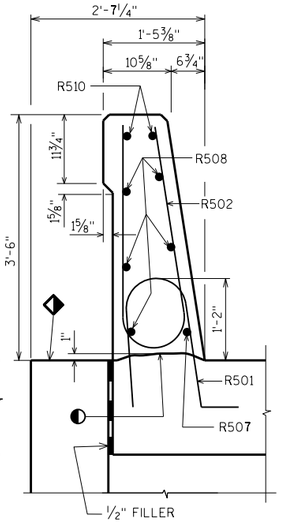
AVOID PLACING A BENCH MARK CAP BELOW A RAIL OR FENCE SYSTEM THAT IS ATTACHED TO THE TOP OF THE PARAPET.



SECTION A-A



SECTION B-B



SECTION C-C

BILL OF BARS

FOR STRUCTURAL APPROACH SLAB PARAPETS

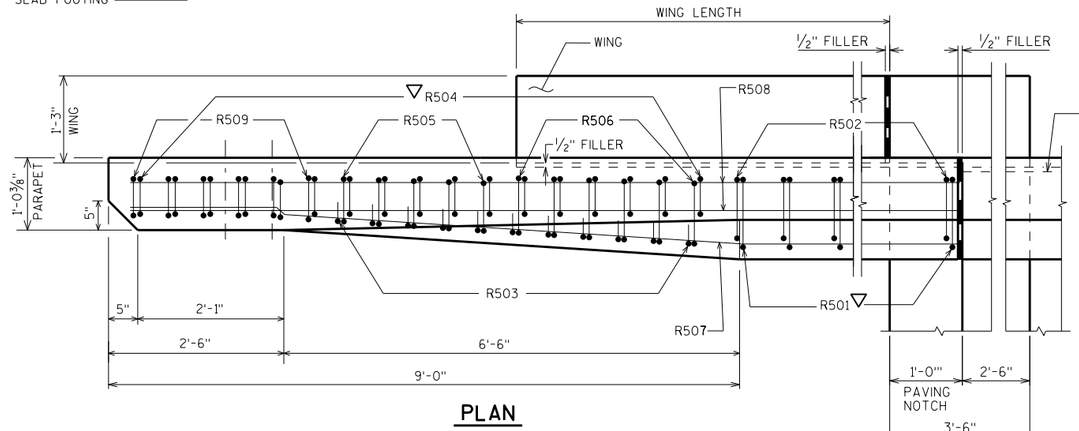
BAR MARK	COAT	WEST ABUT.	EAST ABUT.	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	34	34	4'-5"	X		PARAPET VERT.
R502	X	34	34	6'-8"	X		PARAPET VERT.
R503	X	22	22	2'-9"	X		PARAPET VERT.
R504	X	34	34	4'-4"	X		PARAPET VERT.
R505	X	10	10	6'-5"	X		PARAPET VERT.
R506	X	12	12	6'-6"	X		PARAPET VERT.
R507	X	2	2	19'-7"	X		PARAPET HORIZ.
R508	X	10	10	19'-7"			PARAPET HORIZ.
R509	X	12	12	5'-5"	X	◭	PARAPET VERT.
R510	X	4	4	19'-7"	X		PARAPET HORIZ

◭ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

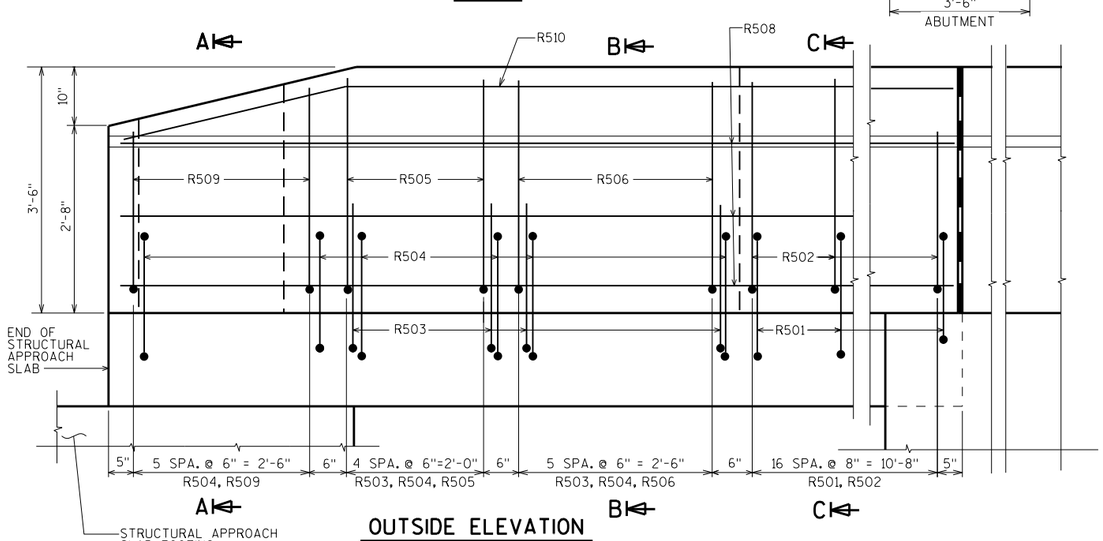
BAR SERIES TABLE

MARK	NO. REQD.	LENGTH
R509	4 SERIES OF 6	4'-9" TO 6'-1"

BUNDLE AND TAG EACH SERIES SEPARATELY.



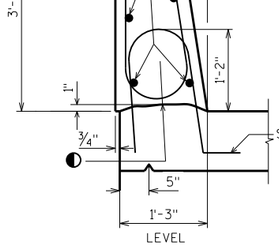
PLAN



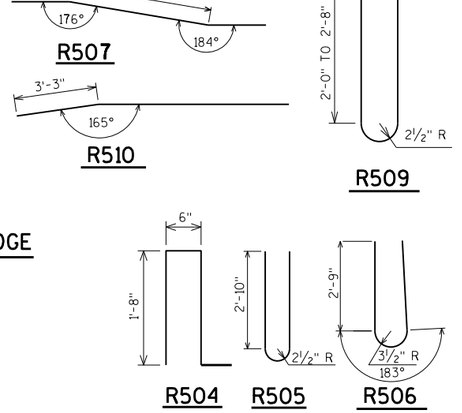
OUTSIDE ELEVATION

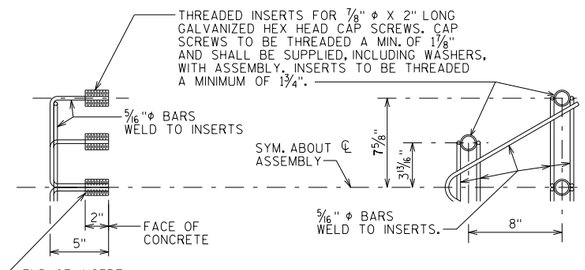
(WING NOT SHOWN FOR CLARITY)

THE OPTIONAL CONSTRUCTION JOINTS IN THE PARAPETS MAY BE USED. RUN BAR REINF. THRU THE JOINT. LAP LONGIT. BARS A MIN. OF 1'-9". MIN. JOINT SPACING OF 80'-0". DEFINE CONST. JOINT WITH A ¾" - 'V' GROOVE.



SECTION THROUGH PARAPET ON BRIDGE





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.

◐ CONST. JOINT - STRIKE OFF AS SHOWN.

◆ SLOPE FOR DRAINAGE

▽ R501, R503, AND R504 BARS TO BE TIED TO STRUCTURAL APPROACH SLAB STEEL BEFORE STRUCTURAL APPROACH SLAB IS POURED.

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DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-248

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PARAPET 42SS WITH STRUCTURAL APPROACH SLAB

SHEET 14

831

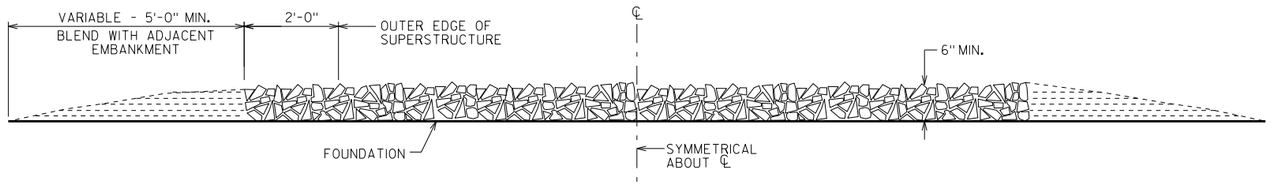
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8

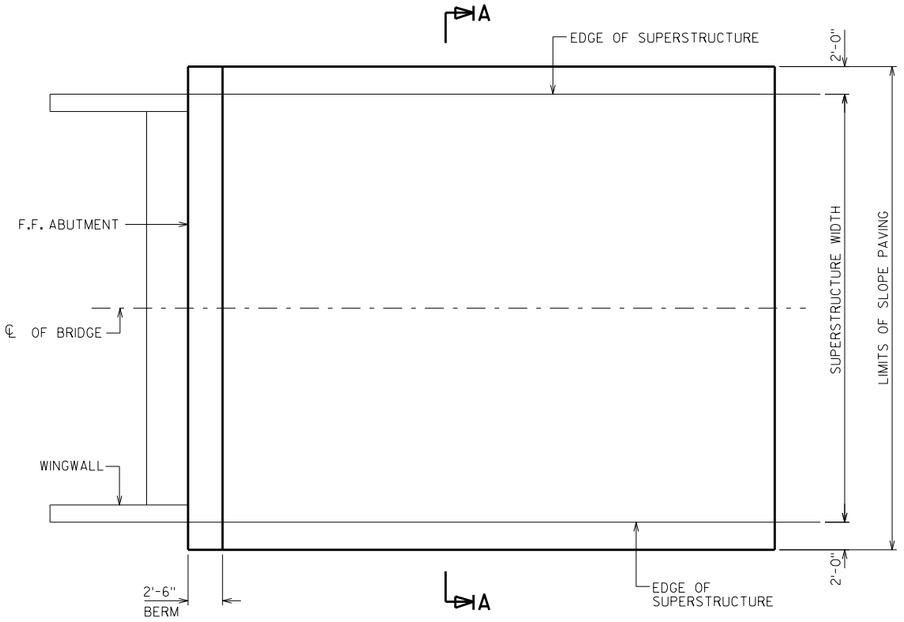
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STATE PROJECT NUMBER

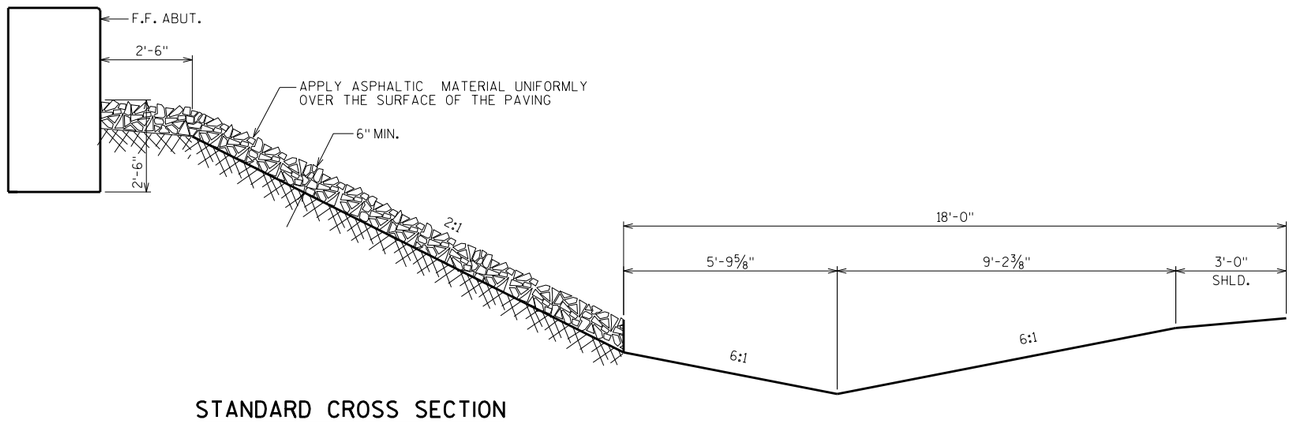
1022-07-76



SECTION A-A



PLAN



STANDARD CROSS SECTION

GENERAL NOTES

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

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-55-248

DRAWN BY DDS | PLANS CK'D. AA

SLOPE PAVING (CRUSHED AGGREGATE)

SHEET 15

832

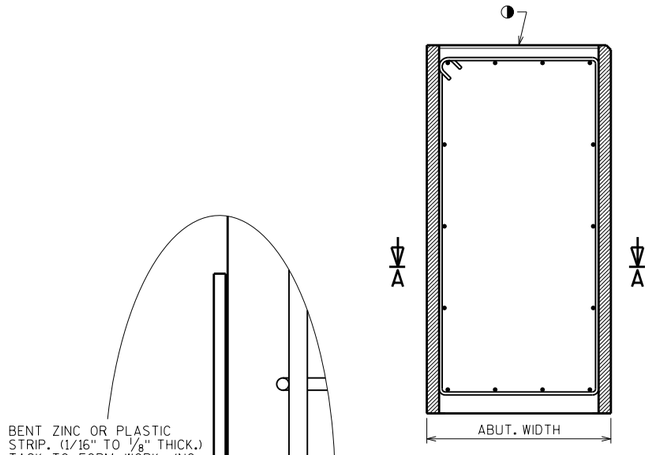
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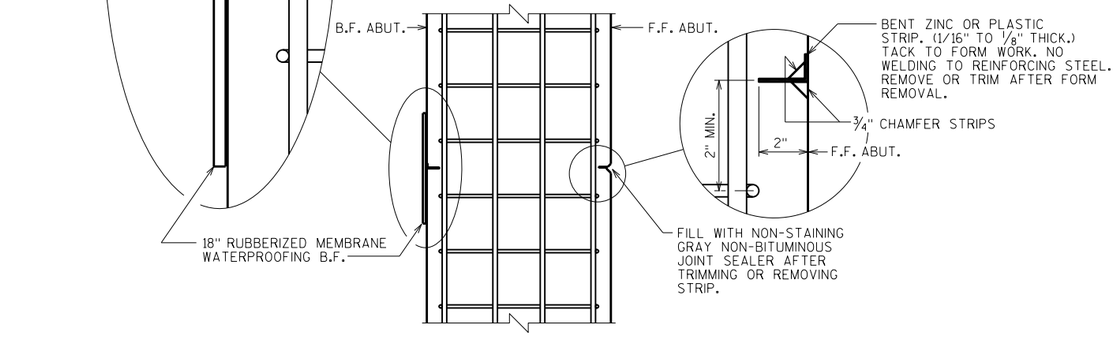
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STATE PROJECT NUMBER

1022-07-76



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-55-248

DRAWN BY DDS | PLANS CK'D. AA

ALTERNATE CONSTRUCTION JOINT

SHEET 16

833

8

8

1 2 3

SCALE = 1.00

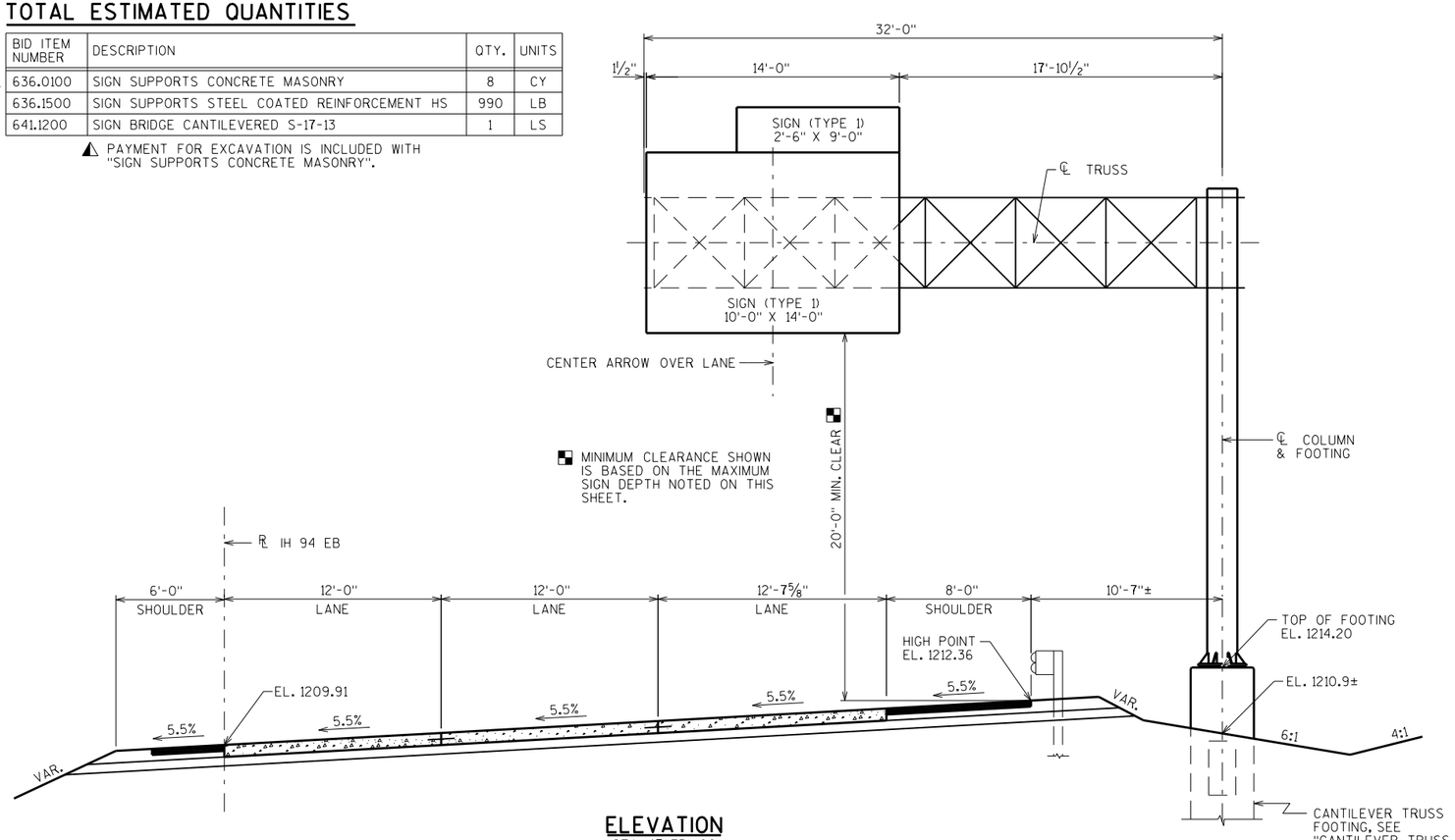
STATE PROJECT NUMBER

1022-07-76

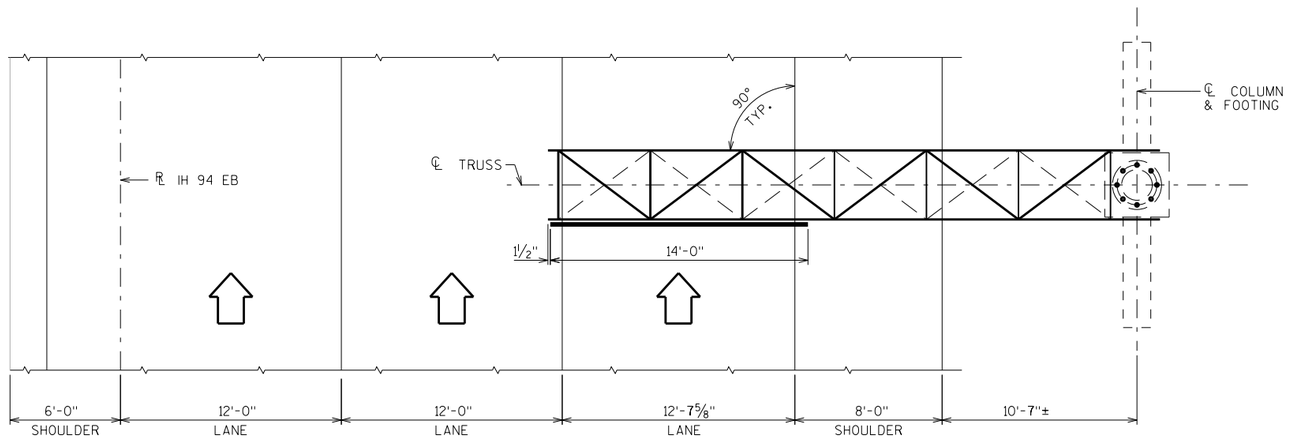
TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	DESCRIPTION	QTY.	UNITS
⚠ 636.0100	SIGN SUPPORTS CONCRETE MASONRY	8	CY
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	990	LB
641.1200	SIGN BRIDGE CANTILEVERED S-17-13	1	LS

⚠ PAYMENT FOR EXCAVATION IS INCLUDED WITH "SIGN SUPPORTS CONCRETE MASONRY".



ELEVATION
STA. 471EB+00
℄ IH 94 EB EXIT RAMP
(LOOKING EAST)



PLAN VIEW

DESIGN DATA

SIGN BRIDGE	DESIGN SIGN AREA (SQ. FT.)	MAX. SIGN DEPTH
S-17-13	264	12'-0"

DEAD LOAD OF SIGNS IS 3 P.S.F.
DEAD LOAD - WEIGHT OF SIGN AND SUPPORTING SIGN STRUCTURE, NO PROVISIONS HAVE BEEN MADE TO ALLOW FOR LIGHTS AND CATWALKS.
ICE LOAD - 3 P.S.F. TO 1 FACE OF SIGN AND SURFACE OF MEMBERS.
WIND PRESSURE - 90 MPH (3-SECOND GUST SPEED) TO SIGN AREA & EXPOSED MEMBERS.
FATIGUE - CATEGORY I WITHOUT GALLOPING WIND EFFECTS.

WIND COMPONENTS	NORMAL	TRANSVERSE
COMBINATION 1	1.0	0.2
COMBINATION 2	0.6	0.3

GROUP LOADS	% OF ALLOWABLE STRESS
DEAD	100
DEAD + WIND	133
DEAD + ICE + ½ (WIND *)	133

* MIN. VALUE OF 25 PSF FOR GR. 3

DESIGNED ACCORDING TO THE 4TH EDITION AND INTERIM REVISIONS OF AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS".

MATERIAL PROPERTIES

CONCRETE MASONRY	f'c = 3,500 P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60	fy = 60,000 P.S.I.
COLUMN PIPE, API SPEC. 5L GRADE X42, PSL-2	fy = 42,000 P.S.I. **
CHORD PIPE, API SPEC. 5L GRADE X42	fy = 42,000 P.S.I. **
PLATES, BARS AND STRUCTURAL ANGLES, ASTM A709 GRADE 36	fy = 36,000 P.S.I.
ANCHOR RODS, ASTM F1554, GRADE 55	fy = 55,000 P.S.I.

ASTM A563 HEAVY HEX NUTS, AND ASTM F436 WASHERS.

** CONTRACTOR MAY SUBSTITUTE ALTERNATE MATERIALS PER WISDOT BRIDGE MANUAL SECTION 39.3 AT NO ADDITIONAL COST, PROVIDED THAT APPROVAL IS OBTAINED FROM THE DEPARTMENT.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALTERNATE DESIGNS ARE NOT ALLOWED.

UNLESS DETAILED OTHERWISE IN THE PLANS, ALL H.S. BOLTED CONNECTIONS SHALL BE MADE WITH ¾" DIA. A325 GALVANIZED BOLTS. FIELD CONNECTIONS SHALL BE INSTALLED WITH DTI WASHERS.

ALL STRUCTURAL STEEL MEMBERS, PLATES ANCHOR RODS, H.S. BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED PER SECTION 641 OF THE WISDOT STANDARD SPECIFICATIONS.

WELD TEST AS PER AWS D1.1.

THE STRUCTURE MUST BE ASSEMBLED IN THE SHOP TO ASSURE FIT UP PER SECTION 641 OF THE WISDOT STANDARD SPECIFICATIONS.

EXACT LOCATION OF SIGN BRIDGE SHALL BE DETERMINED BY THE REGION TRAFFIC ENGINEER.

CENTER MAIN SIGN VERTICALLY ON TRUSS.

PROVIDE AN IDENTIFICATION PLAQUE FOR SIGN BRIDGE CANTILEVERED SUPPORT PER FDM SDD 12A 4-3. TO BE CONSIDERED INCIDENTAL TO THE BID ITEM "SIGN BRIDGE CANTILEVERED S-17-13".

SIGNS OR BLANKS SHALL BE INSTALLED ON THE TRUSS AT THE TIME OF ERECTION. BLANKS SHALL BE ¼ THE LENGTH OF THE BRIDGE, 2'-0" DEEPER THAN THE CENTER TO CENTER OF CHORDS AND SHALL BE CENTERED ON THE BRIDGE. SIGN SHALL BE DESIGNATED IN THE PLANS SIGN BLANKS AND MOUNTING HARDWARE SHALL BE CONSIDERED INCIDENTAL TO "SIGN BRIDGE CANTILEVERED S-17-13".

CONTRACTOR SHALL VERIFY DIMENSIONS PRIOR TO FABRICATION OF STRUCTURE.

STRUCTURE DESIGN CONTACTS:
MICAH BROOKS (608) 266-5080
LAURA SHADEWALD (608) 267-9592

TRAFFIC VOLUME

IH 94 EB
A.D.T. = 45,000 (2039)
R.D.S. = 70 M.P.H.

LIST OF DRAWINGS

1. SIGN BRIDGE LAYOUT
2. GALVANIZED STEEL CANTILEVER SIGN TRUSS
3. GALVANIZED STEEL CANTILEVER SIGN TRUSS DETAILS
4. CANTILEVER TRUSS FOOTING

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED William C. Dreher LLS 8/3/18
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE S-17-13

SIGN BRIDGE OVER IH 94 EB

COUNTY	TOWN
DUNN	LUCAS

DESIGN SPEC. AASHTO STD. SPEC. FOR HIGHWAY BRIDGES 17TH EDITION

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
MWB	ARC	DDS	MWB

SIGN BRIDGE LAYOUT

SHEET 1 OF 4

834

I.D. 1022-07-06B DATE: JULY 2018

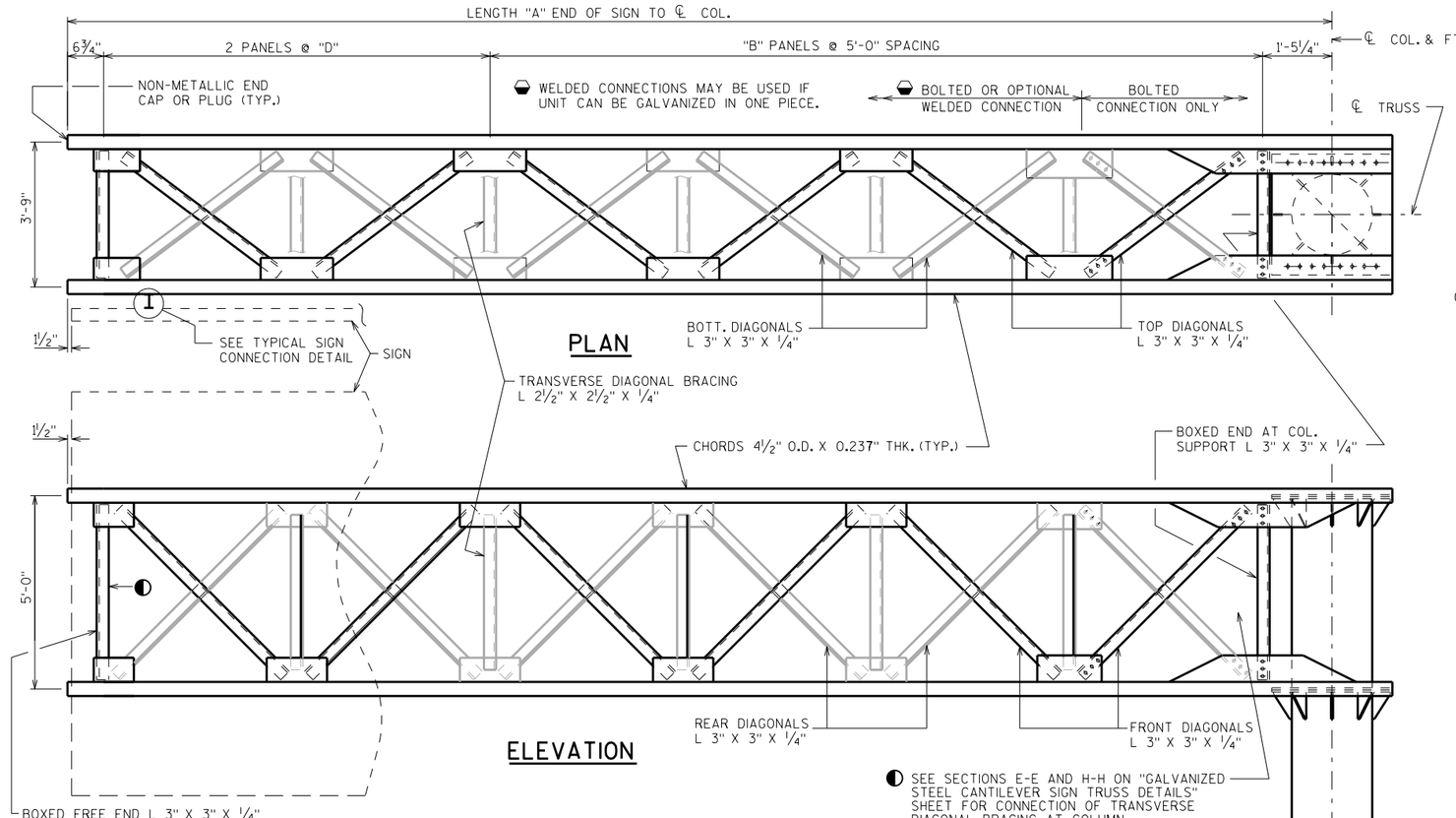
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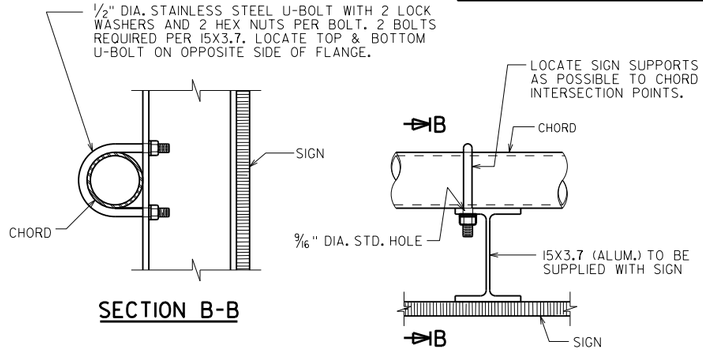
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STATE PROJECT NUMBER

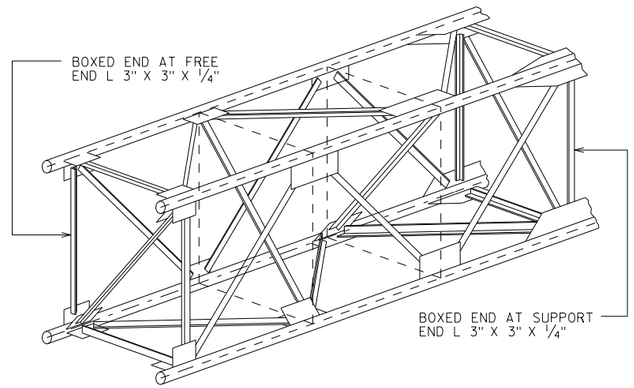
1022-07-76





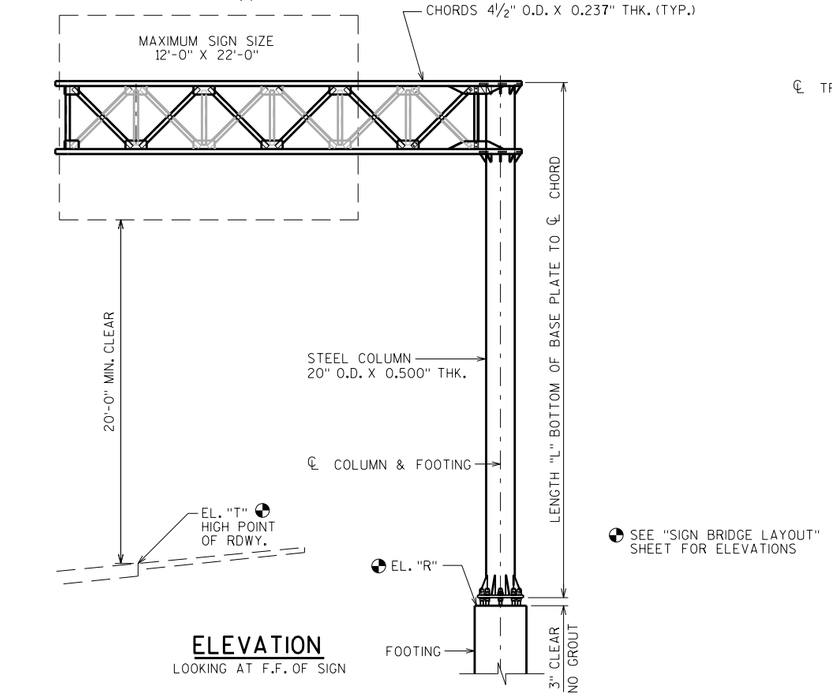
TYPICAL SIGN CONNECTION

FOR TYPE I AND II SIGNS ONLY



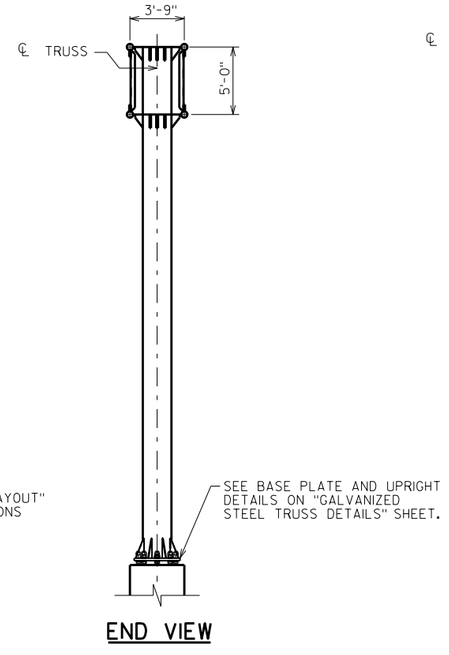
TYPICAL TRUSS SECTION

THE GENERAL PATTERN SHOWN ABOVE IS TO BE MAINTAINED WHEN ASSEMBLING TRUSSES.

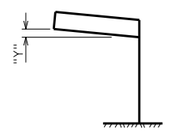


ELEVATION

LOOKING AT F.F. OF SIGN



END VIEW



CAMBER DIAGRAM

PREFABRICATE CAMBER INTO THE HORIZONTAL SUPPORT PROVIDING AN AMOUNT "Y" AT END OF TRUSS SHOWN. DO NOT RAKE VERTICAL UPRIGHT BY ADJUSTMENT OF LEVELING NUTS.

DIMENSIONS & CAMBER VALUES

STRUCTURE	"A"	"L"	"B"	"D"	"Y"
S-17-13	32'-0"	26'-5"	4	5'-0"	2⅝"

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE S-17-13

DRAWN BY DDS | PLANS CK'D. MWB

GALVANIZED STEEL CANTILEVER SIGN TRUSS

SHEET 2

835

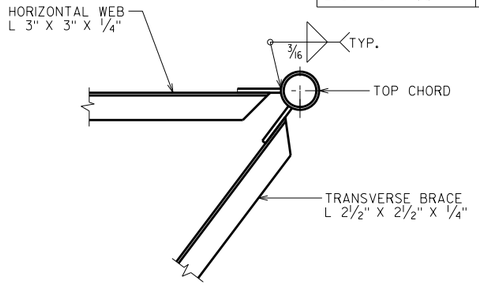
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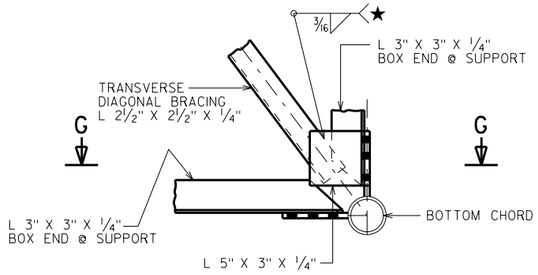
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ANGLE DESCRIPTION	★ WELD LENGTH (MIN.)
L 2½" X 2½" X ¼"	7"
L 3" X 3" X ¼"	8"

HORIZONTAL WEB L 3" X 3" X ¼"



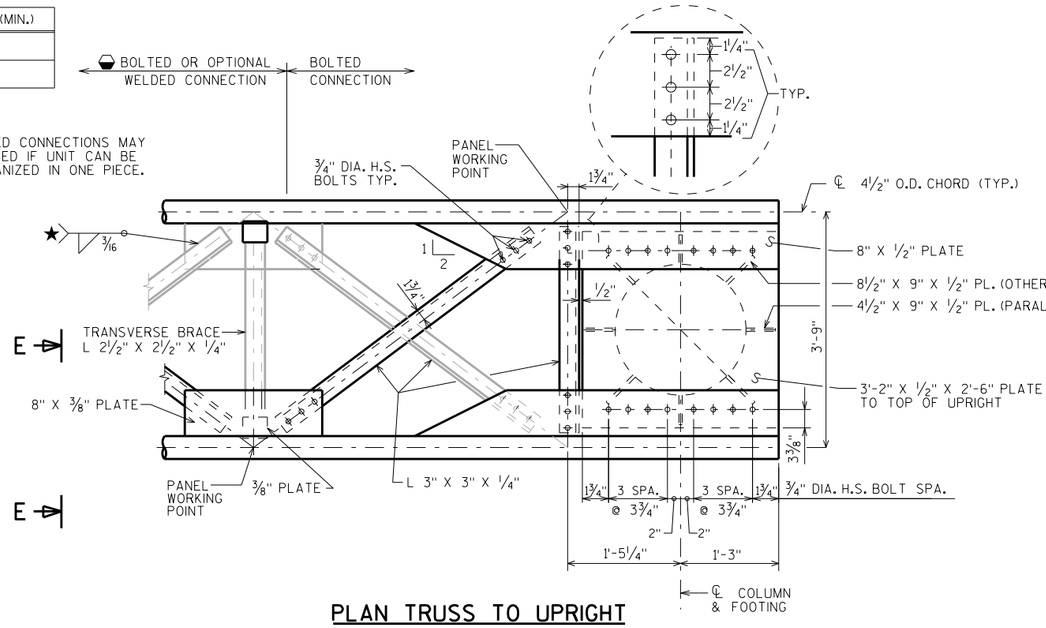
SECTION E-E



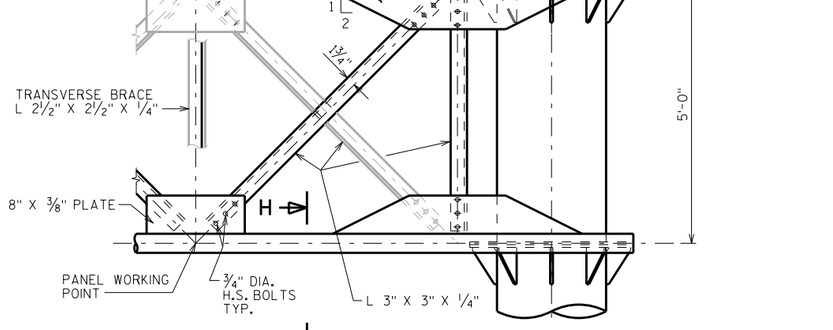
SECTION H-H

BOLTED OR OPTIONAL WELDED CONNECTION | BOLTED CONNECTION

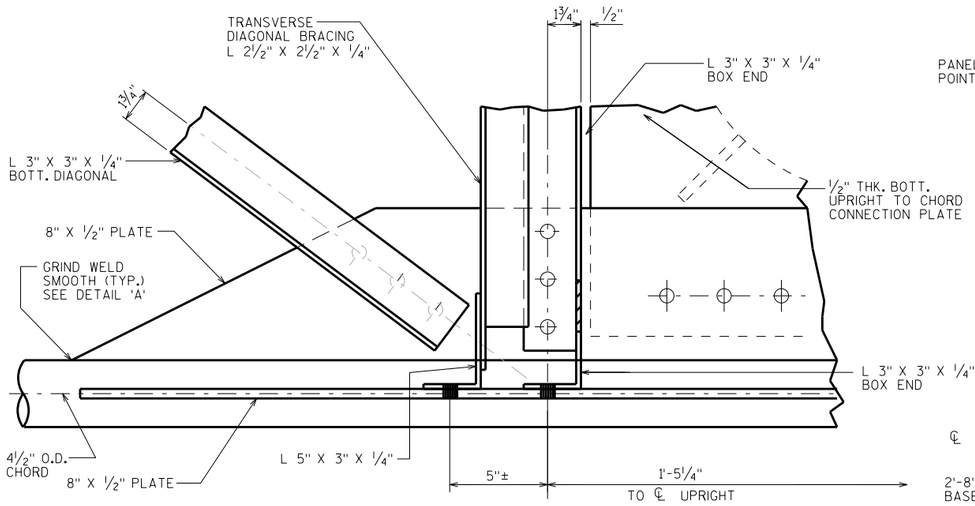
WELDED CONNECTIONS MAY BE USED IF UNIT CAN BE GALVANIZED IN ONE PIECE.



PLAN TRUSS TO UPRIGHT

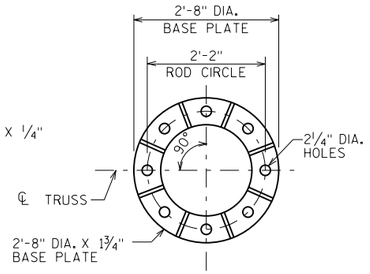


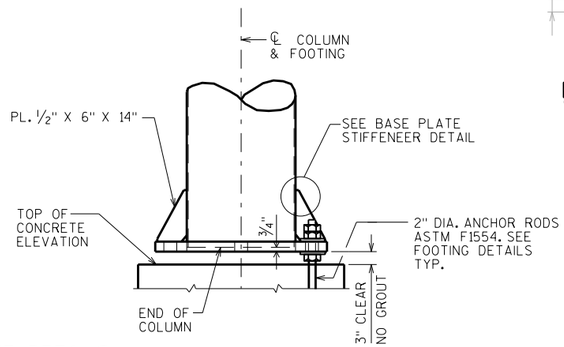
ELEVATION TRUSS TO UPRIGHT



SECTION G-G

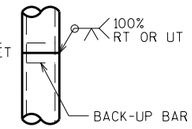
(LOOKING DOWN @ BOTT. HORIZ. PLANE @ FRONT CHORD)



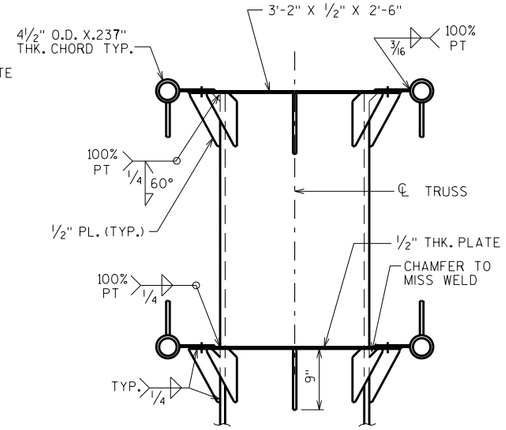


BASE PLATE DETAILS

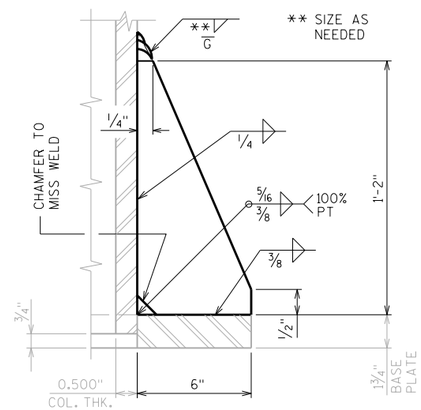
SEPARATE OPTIONAL SPLICE FROM GUSSET PLATES BY 6" MIN.



OPTIONAL COLUMN OR CHORD SPLICE DETAIL



END VIEW TRUSS TO UPRIGHT



BASE PLATE STIFFENER DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE S-17-13

DRAWN BY DDS | PLANS CK'D. MWB

GALVANIZED STEEL CANTILEVER SIGN TRUSS DETAILS

SHEET 3

836

STATE PROJECT NUMBER

1022-07-76

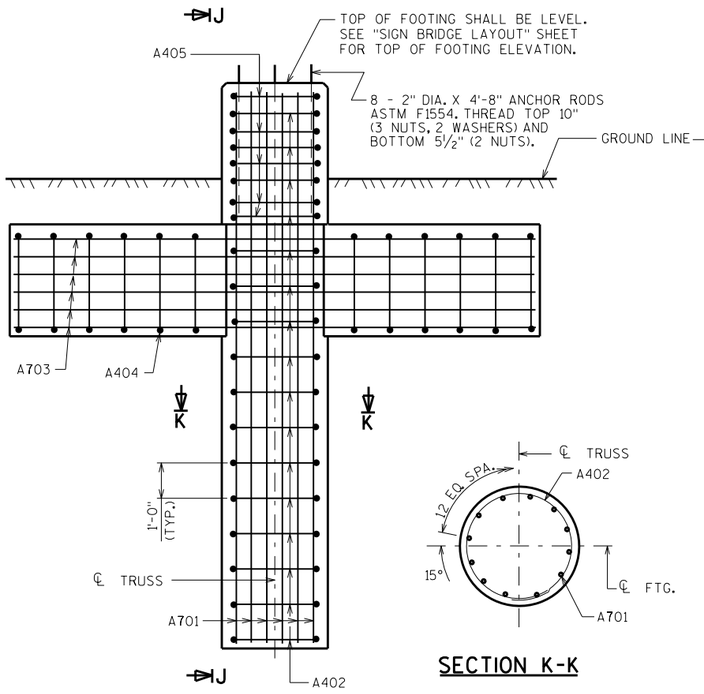
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SCALE = 2.25

STATE PROJECT NUMBER

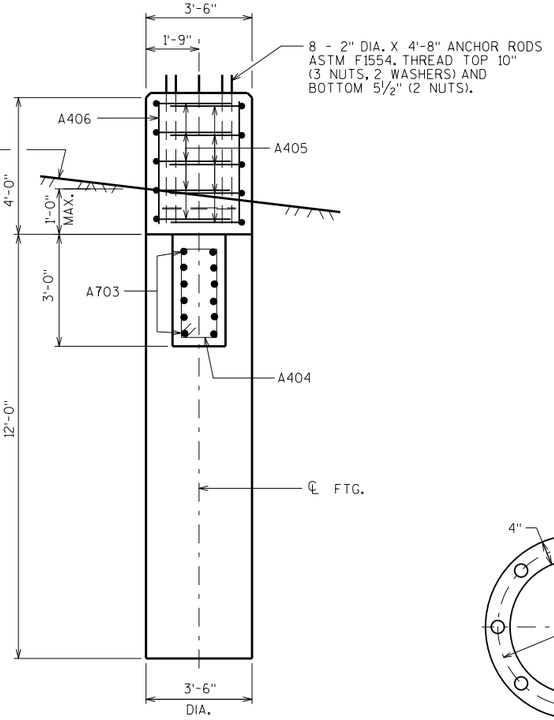
1022-07-76



ELEVATION

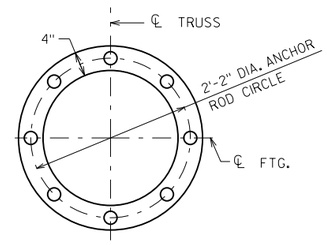
PLACE A701 BARS TO MISS ANCHOR RODS

SECTION K-K



SECTION J-J

SHOWING WING AND CAP STEEL ONLY



TOP TEMPLATE AND BOTTOM ANCHOR PLATE

NOTES

CONTRACTOR SHALL VERIFY UTILITY CONFLICTS PRIOR TO CONSTRUCTION OF FOOTING.

FOOTING BELOW THE WINGS SHALL BE EXCAVATED BY THE USE OF CIRCULAR AUGER.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 3" CLEAR UNLESS DETAILED OTHERWISE.

BENDING DIMENSIONS ARE OUT TO OUT OF BAR.

CENTER ANCHOR ROD ASSEMBLY TO MISS BAR STEEL REINFORCEMENT AND MAKE SURE IT IS PLUMB. MAINTAIN ANCHOR ROD PROJECTION ABOVE FOOTING AS DETAILED ON PLAN. ANCHOR ROD ASSEMBLY SHALL BE RIGIDLY SECURE IN POSITION DURING AND AFTER CONCRETE PLACEMENT. DO NOT WELD THE ANCHOR RODS.

PROVIDE A ¾" CHAMFER ON ALL EXPOSED CONCRETE EDGES.

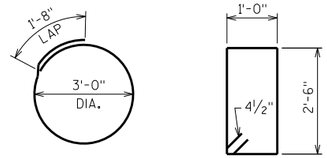
UNLESS NOTED ON PLAN, REMOVE ALL CASING AND FORMS USED TO CONSTRUCT THE FOOTING PRIOR TO BACKFILLING AROUND THE FOOTING. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE IN LAYERS OF 1'-0" OR LESS.

FOUNDATION DATA

ALLOWABLE Qp = 4,000 P.S.F.

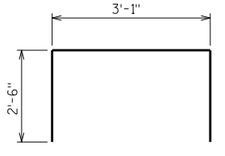
BILL OF BARS

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT		BAR SERIES	LOCATION
A701	X	12	15'-6"				FOOTING - COLUMN/TOP
A402	X	16	11'-2"	X			FOOTING - COLUMN/TOP
A703	X	12	15'-0"				FOOTING - WINGS
A404	X	12	7'-6"	X			FOOTING - WINGS
A405	X	10	7'-11"	X			FOOTING - TOP
A406	X	4	3'-6"				FOOTING - TOP - COLUMNS

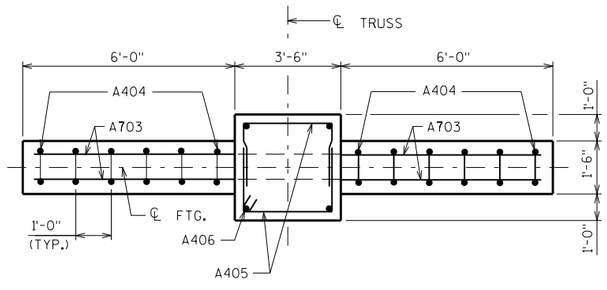


A402

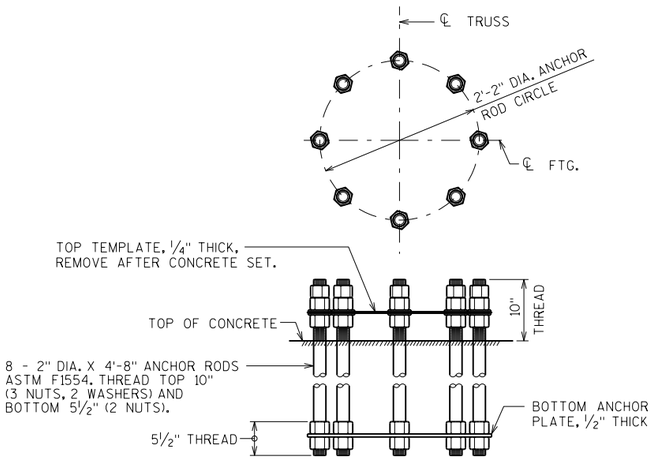
A404



A405



PLAN



ANCHOR ROD ASSEMBLY DETAILS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE S-17-13

DRAWN BY DDS | PLANS CK'D. MWB

CANTILEVER TRUSS FOOTING

SHEET 4

837

SCALE = 1.00

8

8

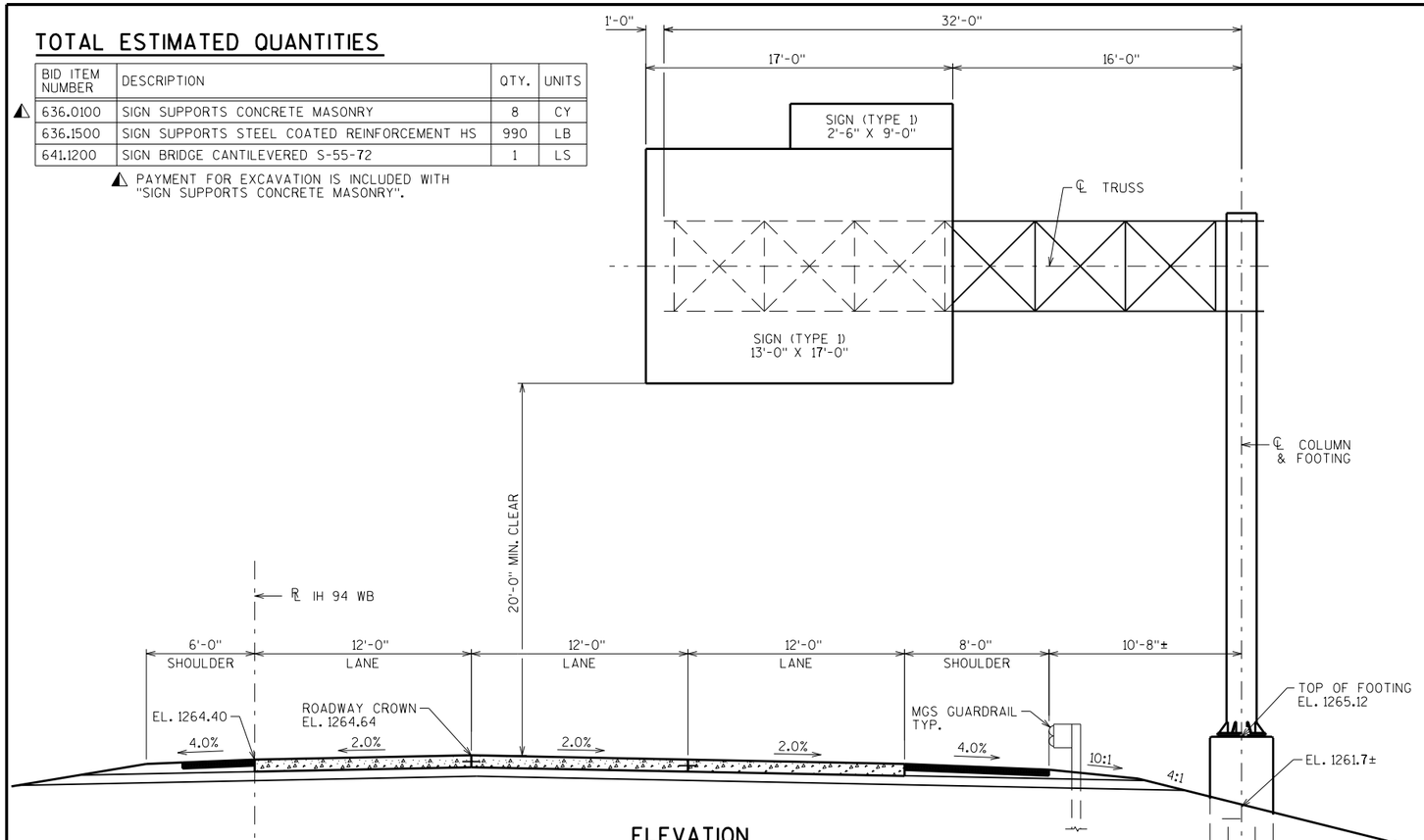
STATE PROJECT NUMBER

1022-07-76

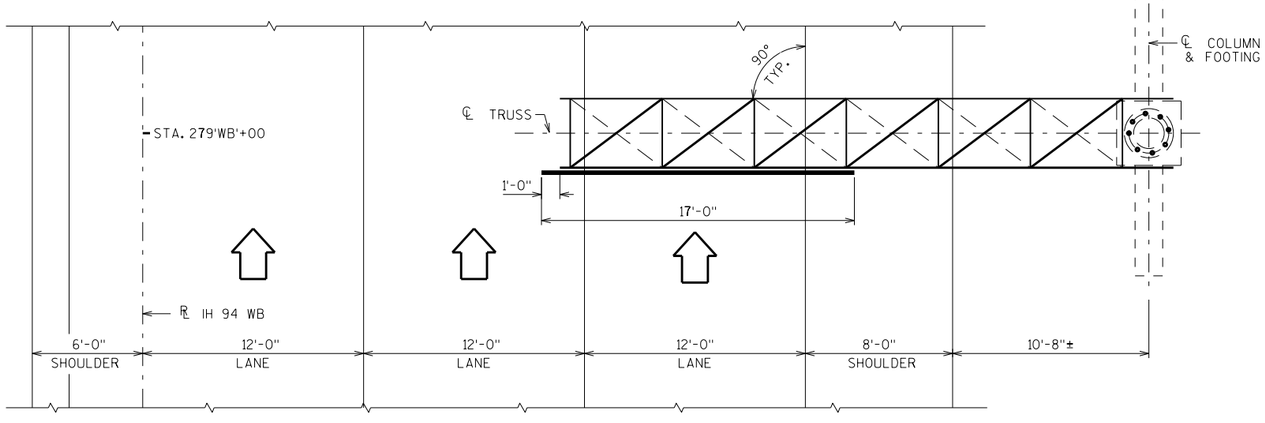
TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	DESCRIPTION	QTY.	UNITS
⚠ 636.0100	SIGN SUPPORTS CONCRETE MASONRY	8	CY
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	990	LB
641.1200	SIGN BRIDGE CANTILEVERED S-55-72	1	LS

⚠ PAYMENT FOR EXCAVATION IS INCLUDED WITH "SIGN SUPPORTS CONCRETE MASONRY".



ELEVATION
STA. 279WB+00
℞ IH 94 WB
(LOOKING EAST AT SIGN)



PLAN VIEW

DESIGN DATA

SIGN BRIDGE	DESIGN SIGN AREA (SQ. FT.)	MAX. SIGN DEPTH
S-55-72	264	13'-0"

DEAD LOAD OF SIGNS IS 3 P.S.F.
DEAD LOAD - WEIGHT OF SIGN AND SUPPORTING SIGN STRUCTURE, NO PROVISIONS HAVE BEEN MADE TO ALLOW FOR LIGHTS AND CATWALKS.
ICE LOAD - 3 P.S.F. TO 1 FACE OF SIGN AND SURFACE OF MEMBERS.
WIND PRESSURE - 90 MPH (3-SECOND GUST SPEED) TO SIGN AREA & EXPOSED MEMBERS.
FATIGUE - CATEGORY I WITHOUT GALLOPING WIND EFFECTS.

WIND COMPONENTS	NORMAL	TRANSVERSE
COMBINATION 1	1.0	0.2
COMBINATION 2	0.6	0.3

GROUP LOADS	% OF ALLOWABLE STRESS
DEAD	100
DEAD + WIND	133
DEAD + ICE + 1/2 (WIND *)	133

* MIN. VALUE OF 25 PSF FOR GR. 3

DESIGNED ACCORDING TO THE 4TH EDITION AND INTERIM REVISIONS OF AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS".

MATERIAL PROPERTIES

CONCRETE MASONRY — f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT, GRADE 60 — fy = 60,000 P.S.I.

COLUMN PIPE, API SPEC. 5L GRADE X42, PSL-2 — fy = 42,000 P.S.I. **

CHORD PIPE, API SPEC. 5L GRADE X42 — fy = 42,000 P.S.I. **

PLATES, BARS AND STRUCTURAL ANGLES, ASTM A709 GRADE 36 — fy = 36,000 P.S.I.

ANCHOR RODS, ASTM F1554, GRADE 55 — fy = 55,000 P.S.I.
ASTM A563 HEAVY HEX NUTS, AND ASTM F436 WASHERS.

** CONTRACTOR MAY SUBSTITUTE ALTERNATE MATERIALS PER WISDOT BRIDGE MANUAL SECTION 39.3 AT NO ADDITIONAL COST, PROVIDED THAT APPROVAL IS OBTAINED FROM THE DEPARTMENT.

GENERAL NOTES

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UNLESS DETAILED OTHERWISE IN THE PLANS, ALL H.S. BOLTED CONNECTIONS SHALL BE MADE WITH ¾" DIA. A325 GALVANIZED BOLTS, FIELD CONNECTIONS SHALL BE INSTALLED WITH DTI WASHERS.

ALL STRUCTURAL STEEL MEMBERS, PLATES ANCHOR RODS, H.S. BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED PER SECTION 641 OF THE WISDOT STANDARD SPECIFICATIONS.

WELD TEST AS PER AWS D1.1.

THE STRUCTURE MUST BE ASSEMBLED IN THE SHOP TO ASSURE FIT UP PER SECTION 641 OF THE WISDOT STANDARD SPECIFICATIONS.

EXACT LOCATION OF SIGN BRIDGE SHALL BE DETERMINED BY THE REGION TRAFFIC ENGINEER.

CENTER MAIN SIGN VERTICALLY ON TRUSS.

PROVIDE AN IDENTIFICATION PLAQUE FOR SIGN BRIDGE CANTILEVERED SUPPORT PER FDM SDD 12A 4-3. TO BE CONSIDERED INCIDENTAL TO THE BID ITEM "SIGN BRIDGE CANTILEVERED S-55-72".

SIGNS OR BLANKS SHALL BE INSTALLED ON THE TRUSS AT THE TIME OF ERECTION. BLANKS SHALL BE ¼ THE LENGTH OF THE BRIDGE, 2'-0" DEEPER THAN THE CENTER TO CENTER OF CHORDS AND SHALL BE CENTERED ON THE BRIDGE. SIGN SHALL BE DESIGNATED IN THE PLANS SIGN BLANKS AND MOUNTING HARDWARE SHALL BE CONSIDERED INCIDENTAL TO "SIGN BRIDGE CANTILEVERED S-55-72".

CONTRACTOR TO VERIFY DIMENSIONS PRIOR TO FABRICATION OF STRUCTURE.

STRUCTURE DESIGN CONTACTS:
MICAH BROOKS (608) 266-5080
LAURA SHADEWALD (608) 267-9592

TRAFFIC VOLUME

IH 94 WB
A.D.T. = 45,000 (2039)
R.D.S. = 70 M.P.H.

LIST OF DRAWINGS

1. SIGN BRIDGE LAYOUT
2. GALVANIZED STEEL CANTILEVER SIGN TRUSS
3. GALVANIZED STEEL CANTILEVER SIGN TRUSS DETAILS
4. CANTILEVER TRUSS FOOTING

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURES

ACCEPTED William C. Dreher, SES 8/3/18
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE S-55-72

SIGN BRIDGE OVER IH 94 WB

COUNTY	TOWN
ST. CROIX	CADY

DESIGN SPEC.
AASHTO STD. SPEC. FOR HIGHWAY BRIDGES 17TH EDITION

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
MWB	ARC	DDS	MWB

SIGN BRIDGE LAYOUT

SHEET 1 OF 4

838

I.D. 1022-07-06A

DATE: JULY 2018

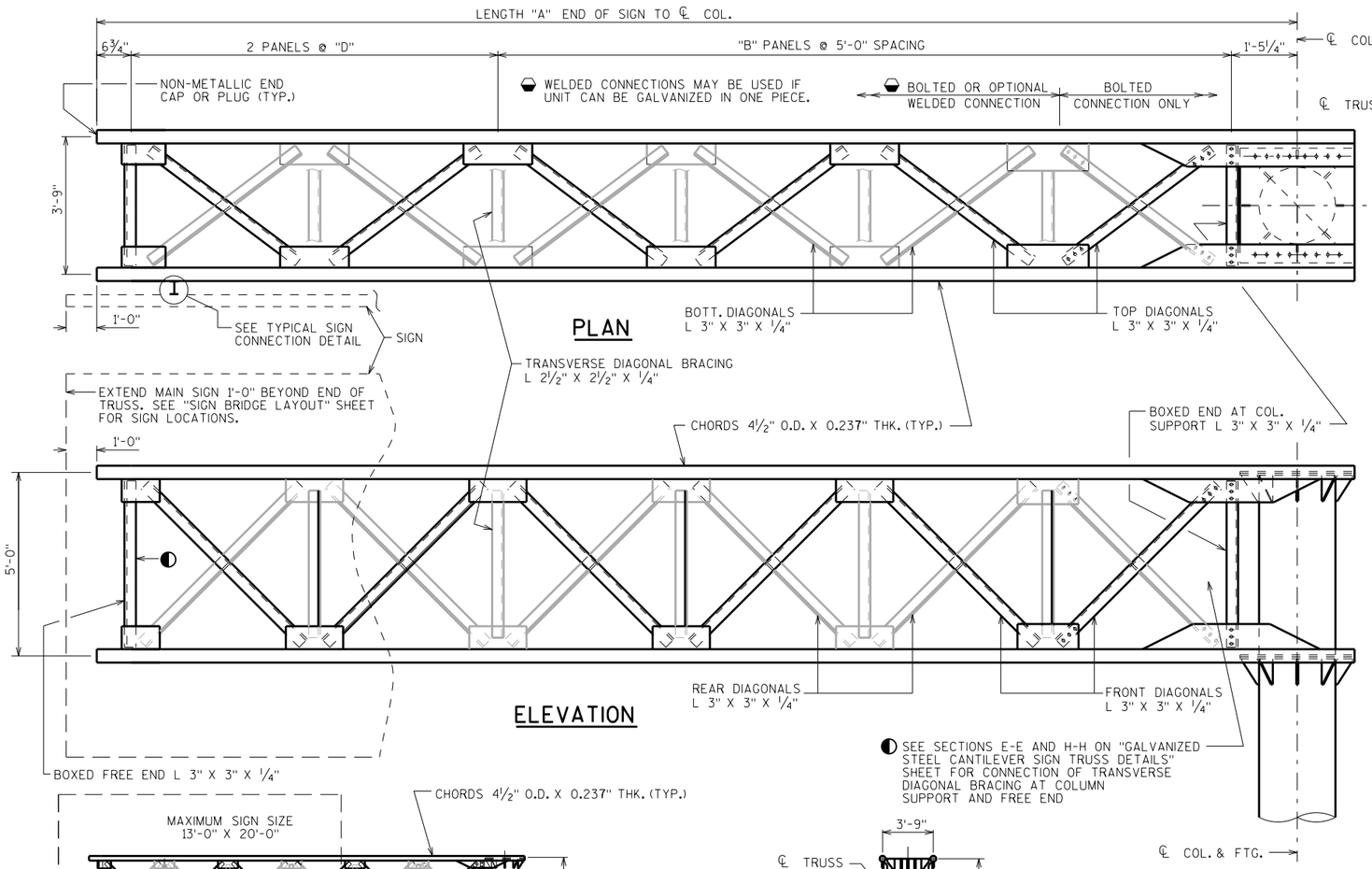
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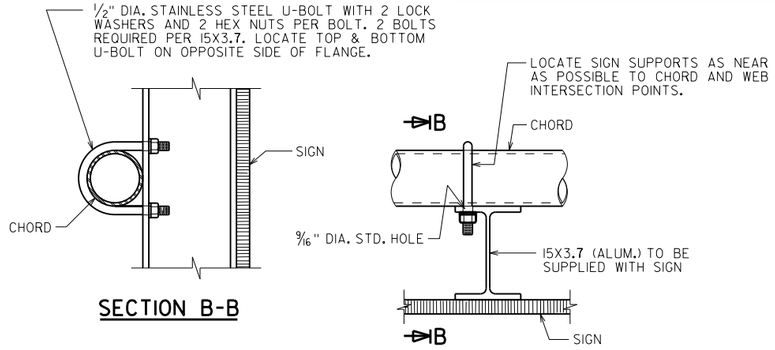
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8

STATE PROJECT NUMBER

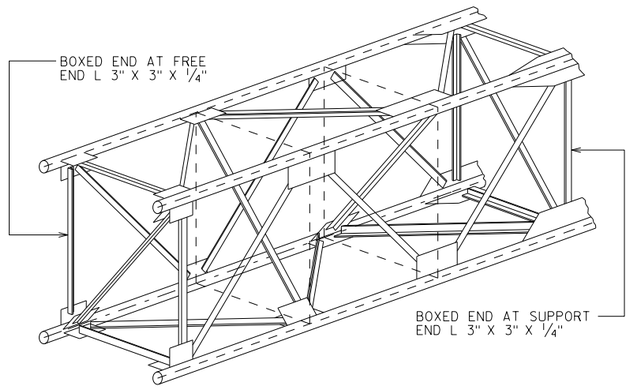
1022-07-76





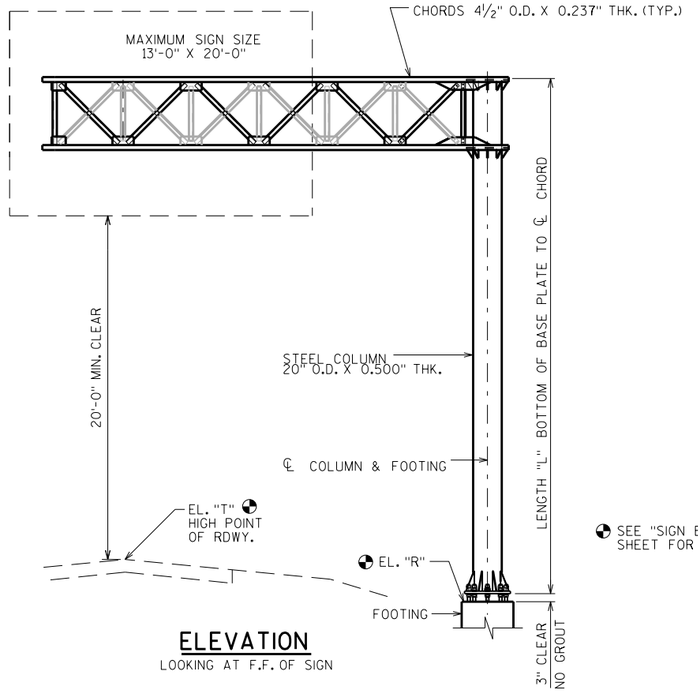
TYPICAL SIGN CONNECTION

FOR TYPE I AND II SIGNS ONLY



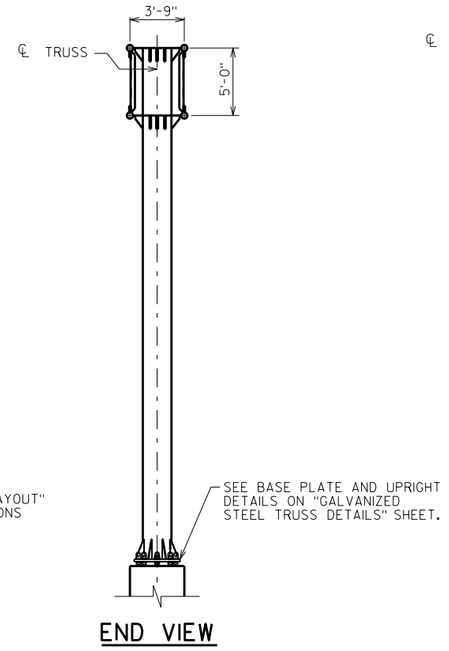
TYPICAL TRUSS SECTION

THE GENERAL PATTERN SHOWN ABOVE IS TO BE MAINTAINED WHEN ASSEMBLING TRUSSES.

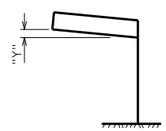


ELEVATION

LOOKING AT F.F. OF SIGN



END VIEW



CAMBER DIAGRAM

PREFABRICATE CAMBER INTO THE HORIZONTAL SUPPORT PROVIDING AN AMOUNT "Y" AT END OF TRUSS SHOWN. DO NOT RAKE VERTICAL UPRIGHT BY ADJUSTMENT OF LEVELING NUTS.

DIMENSIONS & CAMBER VALUES

STRUCTURE	"A"	"L"	"B"	"D"	"Y"
S-55-72	32'-0"	28'-4"	4	5'-0"	2⅞"

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE S-55-72

DRAWN BY DDS | PLANS CK'D. MWB

GALVANIZED STEEL CANTILEVER SIGN TRUSS

SHEET 2

839

SCALE = 2.25

8

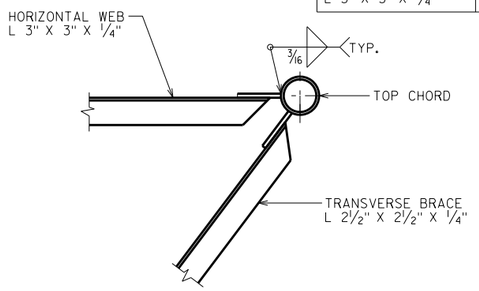
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STATE PROJECT NUMBER
1022-07-76

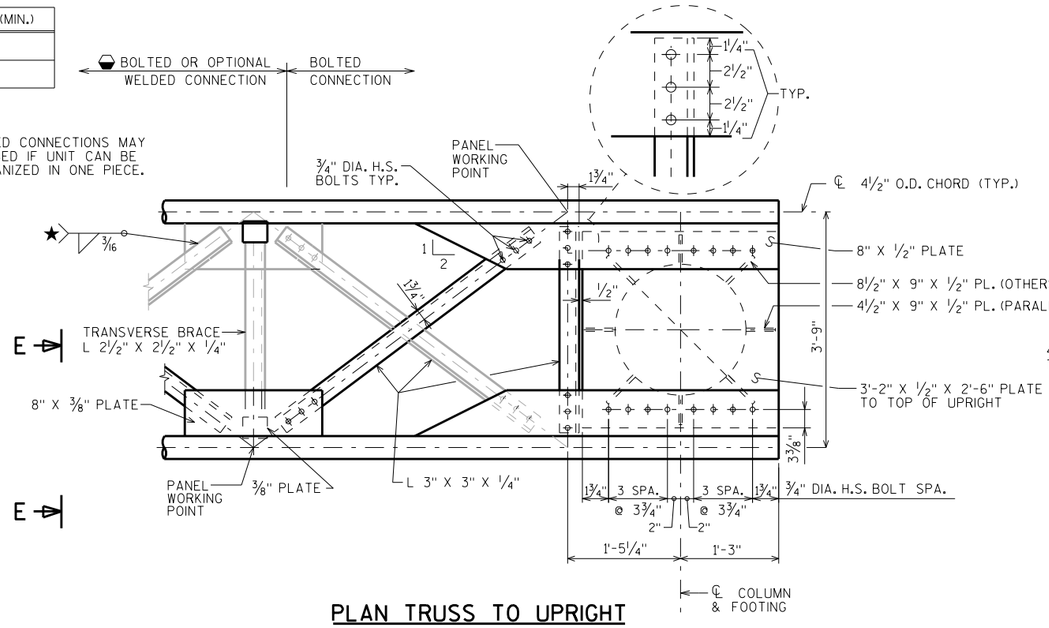
ANGLE DESCRIPTION	★ WELD LENGTH (MIN.)
L 2½" X 2½" X ¼"	7"
L 3" X 3" X ¼"	8"

BOLTED OR OPTIONAL WELDED CONNECTION — BOLTED CONNECTION

WELDED CONNECTIONS MAY BE USED IF UNIT CAN BE GALVANIZED IN ONE PIECE.



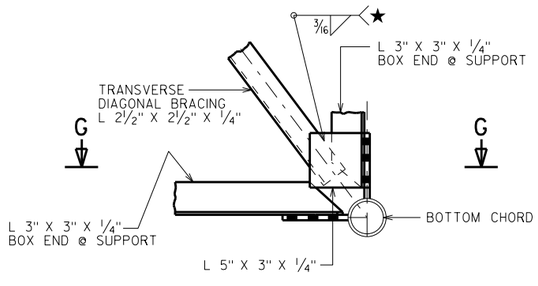
SECTION E-E



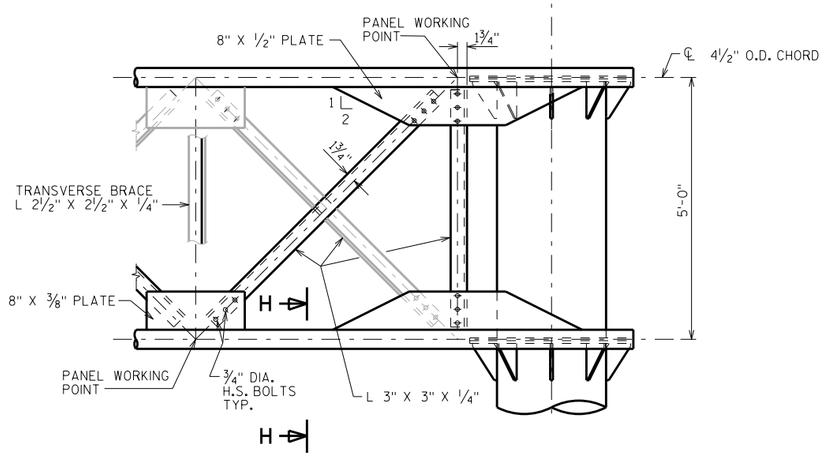
PLAN TRUSS TO UPRIGHT



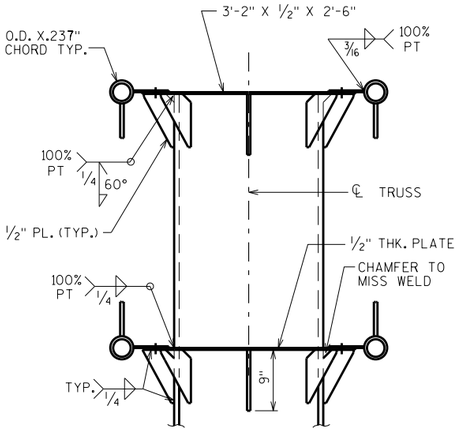
OPTIONAL COLUMN OR CHORD SPLICE DETAIL



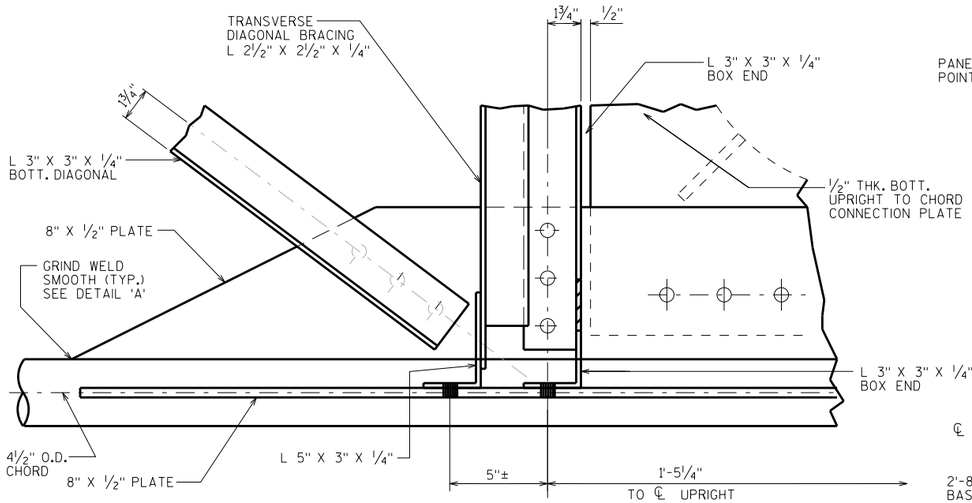
SECTION H-H



ELEVATION TRUSS TO UPRIGHT

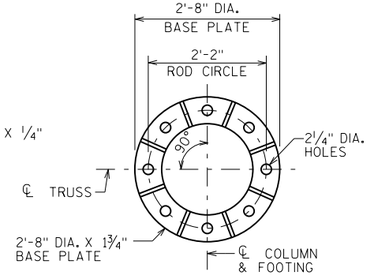


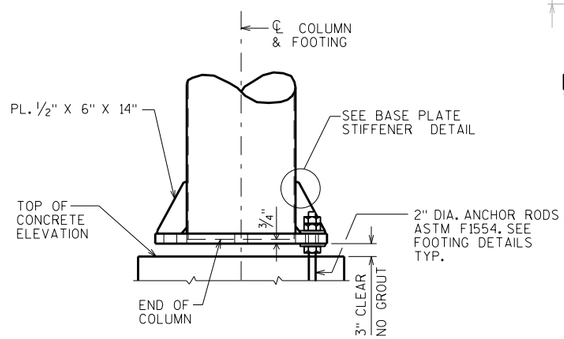
END VIEW TRUSS TO UPRIGHT



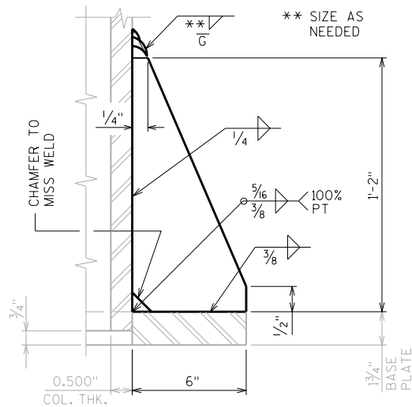
SECTION G-G

(LOOKING DOWN @ BOTT. HORIZ. PLANE @ FRONT CHORD)





BASE PLATE DETAILS



BASE PLATE STIFFENER DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE S-55-72

DRAWN BY DDS | PLANS CK'D. MWB

GALVANIZED STEEL CANTILEVER SIGN TRUSS DETAILS

SHEET 3

840

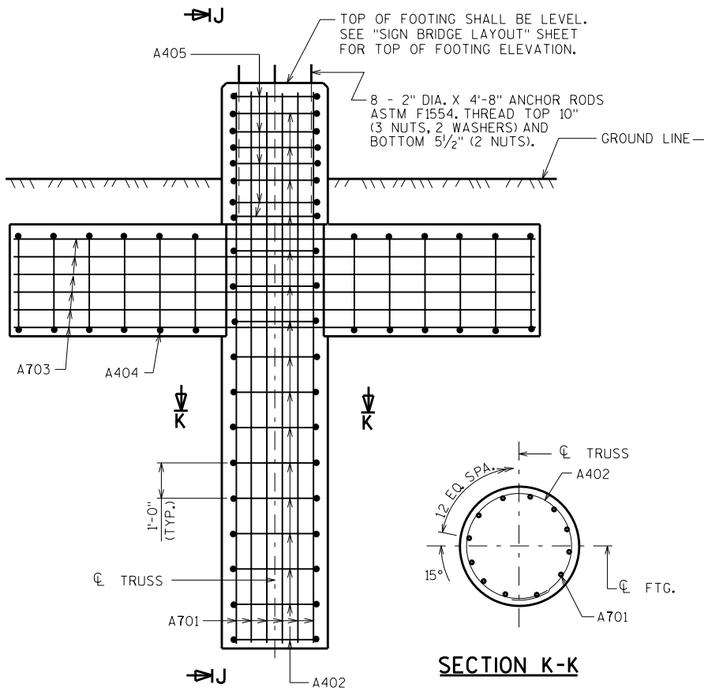
SCALE = 2.25

8

8

STATE PROJECT NUMBER

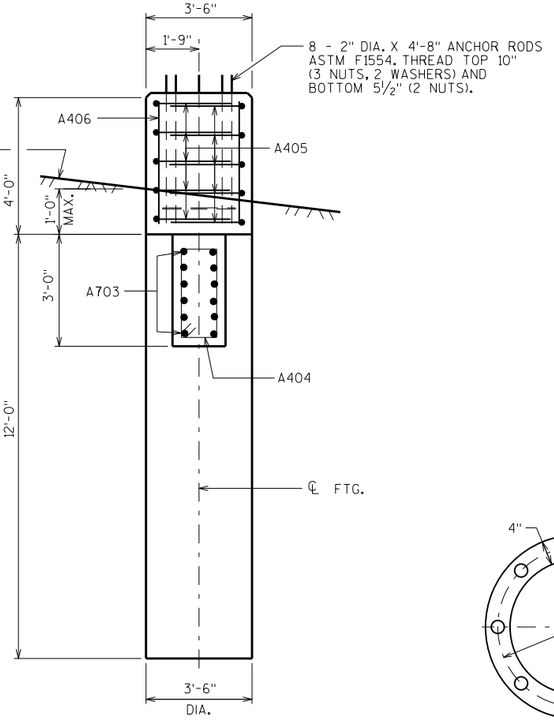
1022-07-76



ELEVATION

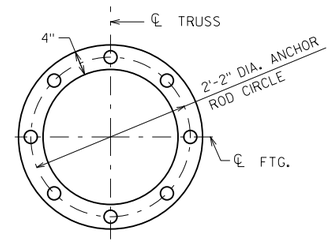
PLACE A701 BARS TO MISS ANCHOR RODS

SECTION K-K



SECTION J-J

SHOWING WING AND CAP STEEL ONLY



TOP TEMPLATE AND BOTTOM ANCHOR PLATE

NOTES

CONTRACTOR SHALL VERIFY UTILITY CONFLICTS PRIOR TO CONSTRUCTION OF FOOTING.

FOOTING BELOW THE WINGS SHALL BE EXCAVATED BY THE USE OF CIRCULAR AUGER.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 3" CLEAR UNLESS DETAILED OTHERWISE.

BENDING DIMENSIONS ARE OUT TO OUT OF BAR.

CENTER ANCHOR ROD ASSEMBLY TO MISS BAR STEEL REINFORCEMENT AND MAKE SURE IT IS PLUMB. MAINTAIN ANCHOR ROD PROJECTION ABOVE FOOTING AS DETAILED ON PLAN. ANCHOR ROD ASSEMBLY SHALL BE RIGIDLY SECURE IN POSITION DURING AND AFTER CONCRETE PLACEMENT. DO NOT WELD THE ANCHOR RODS.

PROVIDE A ¾" CHAMFER ON ALL EXPOSED CONCRETE EDGES.

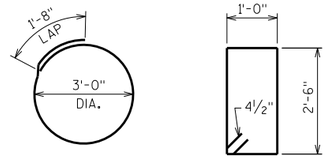
UNLESS NOTED ON PLAN, REMOVE ALL CASING AND FORMS USED TO CONSTRUCT THE FOOTING PRIOR TO BACKFILLING AROUND THE FOOTING. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE IN LAYERS OF 1'-0" OR LESS.

FOUNDATION DATA

ALLOWABLE Qp = 4,000 P.S.F.

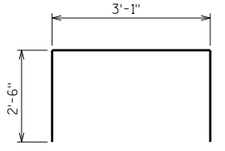
BILL OF BARS

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT		BAR SERIES	LOCATION
A701	X	12	15'-6"				FOOTING - COLUMN/TOP
A402	X	16	11'-2"	X			FOOTING - COLUMN/TOP
A703	X	12	15'-0"				FOOTING - WINGS
A404	X	12	7'-6"	X			FOOTING - WINGS
A405	X	10	7'-11"	X			FOOTING - TOP
A406	X	4	3'-6"				FOOTING - TOP - COLUMNS

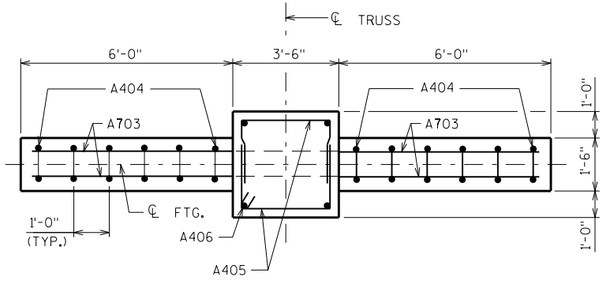


A402

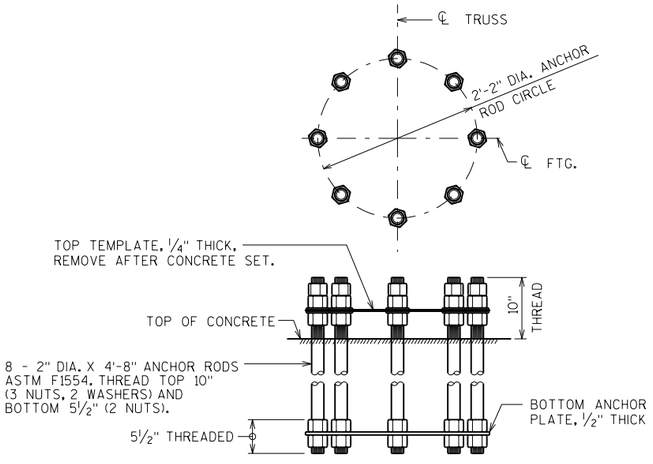
A404



A405



PLAN



ANCHOR ROD ASSEMBLY DETAILS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE S-55-72

DRAWN BY DDS | PLANS CK'D. MWB

CANTILEVER TRUSS FOOTING

SHEET 4

841

SCALE = 1.00

8

8

STAGE 1
Alignment: IH 94 EB Existing
Start Sta: 243+00.070
End Sta: 248+40.620

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
243+00	6.82	0	0	0	0	0	0	0	0
243+50	7.23	12.99	12.99	2.75	3.39	12.99	12.99	3.39	9.6
244+00	6.59	12.8	12.8	11.31	17.32	25.79	25.79	20.71	5.08
244+50	7.14	12.71	12.71	21.93	40.94	38.5	38.5	61.64	-23.14
245+00	5.74	11.93	11.93	50.35	89.02	50.42	50.42	150.66	-100.24
245+36	7.38	8.77	8.77	59.07	97.29	59.19	59.19	247.94	-188.75
245+50	8.02	3.96	3.96	50.66	37.57	63.15	63.15	285.51	-222.36
246+00	7.67	14.53	14.53	15.36	81.31	77.68	77.68	366.82	-289.14
246+50	11.47	17.73	17.73	5.77	26.03	95.41	95.41	392.85	-297.44
247+00	11.5	21.27	21.27	1.06	8.41	116.68	116.68	401.26	-284.58
247+50	11.52	21.31	21.31	0	1.3	137.99	137.99	402.56	-264.57
248+00	11.56	21.37	21.37	0	0	159.36	159.36	402.56	-243.2
248+41	11.56	15.12	15.12	0	0	174.49	174.49	402.56	-228.08

STAGE 1
Alignment: IH 94 EB Existing
Start Sta: 254+54
End Sta: 264+00

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
254+54	25.54	0	0	0	0	0	0	0	0
256+00	25.58	138.59	138.59	0	0	138.59	138.59	0	138.59
257+00	20.45	85.23	85.23	1.21	2.97	223.82	223.82	2.97	220.85
258+00	19.88	74.68	74.68	2.49	9.11	298.5	298.5	12.08	286.42
259+00	19.02	72.04	72.04	10.03	30.85	370.54	370.54	42.93	327.61
260+00	18.21	68.95	68.95	15.2	62.15	439.5	439.5	105.08	334.42
261+00	17.12	65.42	65.42	17.75	81.14	504.92	504.92	186.22	318.69
262+00	18.65	66.24	66.24	18.6	89.52	571.16	571.16	275.75	295.41
263+00	17.69	67.3	67.3	20.22	95.61	638.46	638.46	371.36	267.1
264+00	128.79	271.24	271.24	0	49.79	909.7	909.7	421.15	488.55

STAGE 1
Alignment: IH 94 EB Existing
Start Sta: 264+55
End Sta: 272+54

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
264+55	114.53	0	0	0	0	0	0	0	0
266+00	20.28	361.96	361.96	20.28	72.42	361.96	361.96	72.42	289.54
267+00	19.18	73.08	73.08	13.79	83.91	435.04	435.04	156.33	278.71
268+00	19.26	71.19	71.19	9.52	57.39	506.23	506.23	213.72	292.51
269+00	19.54	71.86	71.86	4.68	34.97	578.09	578.09	248.69	329.39
270+00	20.28	73.75	73.75	1.3	14.74	651.84	651.84	263.44	388.4
271+00	22.67	79.54	79.54	0	3.21	731.38	731.38	266.65	464.73
272+00	20.81	80.53	80.53	0	0	811.91	811.91	266.65	545.26
272+54	34.8	55.8	55.8	0	0	867.7	867.7	266.65	601.06

STAGE 1

Alignment: IH 94 EB Existing
Start Sta: 452+00
End Sta: 483+40

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
452+00	19.65	0	0	0	0	0	0	0	0
453+00	19.53	72.55	72.55	0.04	0.1	72.55	72.55	0.1	72.45
454+00	17.97	69.44	69.44	31.36	77.33	141.99	141.99	77.44	64.55
455+00	19.86	70.05	70.05	14.08	111.9	212.04	212.04	189.34	22.71
456+00	22.21	77.91	77.91	17.08	76.75	289.96	289.96	266.08	23.87
457+00	21.01	80.05	80.05	18.45	87.52	370	370	353.6	16.4
458+00	23.69	82.78	82.78	27.53	113.25	452.79	452.79	466.85	-14.07
459+00	21.81	84.26	84.26	41.2	169.28	537.05	537.05	636.13	-99.08
460+00	20.04	77.51	77.51	48.17	220.1	614.56	614.56	856.23	-241.68
461+00	20.4	74.88	74.88	61.21	269.38	689.44	689.44	1125.62	-436.18
462+00	20.51	75.76	75.76	70.44	324.24	765.19	765.19	1449.85	-684.66
463+00	19.14	73.42	73.42	74.95	358.09	838.61	838.61	1807.95	-969.33
464+00	18.71	70.08	70.08	70.51	358.26	908.69	908.69	2166.21	-1257.52
465+00	29.23	88.76	88.76	54.11	306.94	997.46	997.46	2473.15	-1475.69
466+00	63.2	171.16	171.16	40.21	232.32	1168.61	1168.61	2705.47	-1536.86
467+00	84.14	272.85	272.85	26.71	164.83	1441.47	1441.47	2870.3	-1428.83
468+00	131.66	399.64	399.64	21.06	117.66	1841.1	1841.1	2987.96	-1146.86
469+00	169.29	557.32	557.32	11.63	80.52	2398.42	2398.42	3068.48	-670.06
470+00	151.26	593.6	593.6	14.9	65.33	2992.02	2992.02	3133.81	-141.79
471+00	31.79	338.98	338.98	3.14	44.42	3331	3331	3178.24	152.77
472+00	33.33	120.6	120.6	0.06	7.87	3451.61	3451.61	3186.1	265.5
473+00	32.98	122.8	122.8	0	0.14	3574.41	3574.41	3186.24	388.16
474+00	38.47	151.11	151.11	0	0	3725.52	3725.52	3186.24	539.28
475+00	19.92	108.13	108.13	23.26	57.28	3833.65	3833.65	3243.53	590.12
476+01	22.84	80.24	80.24	76.46	248.83	3913.88	3913.88	3492.36	421.52
477+00	23.47	84.63	84.63	146.9	542.89	3998.51	3998.51	4035.24	-36.73
477+28	24.87	25.02	25.02	143.8	200.09	4023.53	4023.53	4235.33	-211.81
478+00	26.68	68.79	68.79	192.44	596.73	4092.31	4092.31	4832.06	-739.75
479+00	21.87	89.91	89.91	408.87	1481.01	4182.22	4182.22	6313.07	-2130.85
480+00	20.88	79.16	79.16	740.93	2831.91	4261.38	4261.38	9144.98	-4883.6
481+00	19.72	75.18	75.18	1097.67	4528.41	4336.56	4336.56	13673.39	-9336.83
481+48	21.04	36.43	36.43	1169.07	2694.56	4372.98	4372.98	16367.95	-11994.96
482+00	22.25	41.47	41.47	1232.68	3060.38	4414.46	4414.46	19428.33	-15013.87
482+97	22.82	80.84	80.84	913.32	5119.1	4495.29	4495.29	24547.42	-20052.13
483+00	22.1	2.62	2.62	878.96	138.99	4497.91	4497.91	24686.41	-20188.5
483+40	22.49	33.03	33.03	792.28	1646.49	4530.94	4530.94	26332.9	-21801.96

STAGE 1

Alignment: IH 94 EB Existing
Start Sta: 484+57
End Sta: 506+00

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
484+57	20.72	0	0	397.12	0	0	0	0	0
485+00	19.9	32.13	32.13	285.51	718.09	32.13	32.13	718.09	-685.96
486+00	20.98	75.7	75.7	237.76	1288.79	107.83	107.83	2006.88	-1899.05
487+00	21.03	77.79	77.79	248.64	1197.98	185.62	185.62	3204.87	-3019.24
488+00	20.13	76.22	76.22	235.86	1193.32	261.84	261.84	4398.18	-4136.34
489+00	19.53	73.45	73.45	202.65	1080.05	335.29	335.29	5478.24	-5142.95
490+00	20.11	73.41	73.41	120.44	795.77	408.7	408.7	6274.01	-5865.31
491+00	19.92	74.14	74.14	25.89	360.41	482.84	482.84	6634.42	-6151.58
492+00	38.77	108.69	108.69	0	63.77	591.52	591.52	6698.19	-6106.67
493+00	32.96	132.82	132.82	0	0	724.35	724.35	6698.19	-5973.85
494+00	34.16	124.28	124.28	0	0	848.63	848.63	6698.19	-5849.57
495+00	31.25	121.12	121.12	0	0	969.75	969.75	6698.19	-5728.44
496+00	47.2	145.27	145.27	0.84	2.07	1115.02	1115.02	6700.26	-5585.24
497+00	41.57	164.38	164.38	0	2.07	1279.4	1279.4	6702.33	-5422.93
498+00	41.26	153.38	153.38	0	0	1432.78	1432.78	6702.33	-5269.55
499+00	38.57	147.82	147.82	0	0	1580.6	1580.6	6702.33	-5121.73
500+00	36.85	139.65	139.65	0	0	1720.26	1720.26	6702.33	-4982.08
501+00	33.68	130.6	130.6	0	0	1850.86	1850.86	6702.33	-4851.48
502+00	26.4	111.26	111.26	0	0	1962.11	1962.11	6702.33	-4740.22
503+00	22.87	91.24	91.24	0	0	2053.35	2053.35	6702.33	-4648.98
504+00	22.04	83.15	83.15	0	0	2136.5	2136.5	6702.33	-4565.83
505+00	21.98	81.5	81.5	0	0	2218.01	2218.01	6702.33	-4484.33
506+00	21.49	80.46	80.46	0	0	2298.47	2298.47	6702.33	-4403.87

STAGE 1
Alignment: SW Ramp TSW3
Start Sta: 243+00.070
End Sta: 248+40.620

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
265+00	112.77	0	0	14.18	0	0	0	0	0
266+00	75.62	348.88	348.88	29.55	107.7	348.88	348.88	107.7	241.18
267+00	0.09	140.2	140.2	55.43	209.3	489.08	489.08	316.99	172.09
268+00	8.32	15.56	15.56	22.96	193.08	504.65	504.65	510.07	-5.42
269+00	29.49	70.02	70.02	0	56.56	574.67	574.67	566.63	8.04
269+75	52.04	113.24	113.24	0	0	687.91	687.91	566.63	121.28

STAGE 1
Alignment: SW Ramp Ref Line
Start Sta: 479+00
End Sta: 483+33

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
479+00	13.09	0	0	0	0	0	0	0	0
480+00	10.69	44.05	44.05	2.68	6.61	44.05	44.05	6.61	37.43
481+00	6.28	31.44	31.44	12.52	37.44	75.49	75.49	44.06	31.43
482+00	6.3	23.3	23.3	11.2	58.41	98.79	98.79	102.47	-3.67
483+00	6.39	23.5	23.5	2.41	33.51	122.29	122.29	135.97	-13.68
483+33	6.52	7.86	7.86	6.32	7.06	130.15	130.15	143.03	-12.89

STAGE 1
Alignment: SE Ramp TSE3
Start Sta: 285+00
End Sta: 290+27

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
285+00	51	0	0	0	0	0	0	0	0
286+00	38.02	164.85	164.85	0.03	0.08	164.85	164.85	0.08	164.77
286+81	34.96	108.94	108.94	0.03	0.12	273.79	273.79	0.2	273.59
287+00	31.78	23.97	23.97	0	0.01	297.75	297.75	0.21	297.54
288+00	18.47	93.05	93.05	0	0	390.81	390.81	0.21	390.6
289+00	12.55	57.44	57.44	8.26	20.33	448.25	448.25	20.54	427.71
290+00	12.68	46.73	46.73	6.76	36.98	494.98	494.98	57.52	437.45
290+27	13.39	12.9	12.9	4.62	7.49	507.88	507.88	65.02	442.86

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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	COMPUTER EARTHWORK DATA	SHEET 844	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\090100_EW.DWG
LAYOUT NAME - 03
PLOT DATE : 8/15/2018 10:45 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

STAGE 2

Alignment: IH 94 EB Existing

Start Sta: 222+00

End Sta: 264+00

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
222+00	26.88	0	0	11.99	0	0	0	0	0
223+00	23.98	94.13	94.13	10.96	56.49	94.13	94.13	56.49	37.64
224+00	18.71	79.06	79.06	9.81	51.15	173.19	173.19	107.64	65.55
225+00	17.01	66.15	66.15	16.97	65.96	239.34	239.34	173.59	65.75
226+00	17.65	64.18	64.18	16.71	82.95	303.52	303.52	256.54	46.98
227+00	23.82	76.79	76.79	8.62	62.38	380.32	380.32	318.93	61.39
228+00	25.59	91.5	91.5	5.4	34.54	471.81	471.81	353.47	118.35
229+00	23.05	90.08	90.08	14.67	49.45	561.89	561.89	402.91	158.98
230+00	21.44	82.4	82.4	13.11	68.43	644.29	644.29	471.34	172.95
231+00	22.19	80.81	80.81	9.6	55.92	725.1	725.1	527.27	197.84
232+00	27.91	92.78	92.78	3.89	33.21	817.89	817.89	560.48	257.41
233+00	25.46	98.83	98.83	4.54	20.76	916.72	916.72	581.24	335.48
234+00	29.63	102.02	102.02	1.33	14.45	1018.74	1018.74	595.69	423.05
235+00	41.3	131.34	131.34	0	3.27	1150.08	1150.08	598.97	551.11
236+00	79.73	224.13	224.13	0	0	1374.21	1374.21	598.97	775.24
237+00	22.3	188.96	188.96	11.54	28.43	1563.17	1563.17	627.39	935.77
238+00	23.12	84.11	84.11	8.39	49.08	1647.28	1647.28	676.47	970.8
239+00	24.24	87.69	87.69	5.91	35.2	1734.97	1734.97	711.68	1023.3
240+00	24.44	90.15	90.15	4.34	25.23	1825.12	1825.12	736.9	1088.22
241+00	21.56	85.18	85.18	8.73	32.19	1910.3	1910.3	769.1	1141.21
242+00	20.44	77.77	77.77	11.05	48.72	1988.07	1988.07	817.82	1170.25
243+00	19.45	73.88	73.88	11.37	55.22	2061.95	2061.95	873.04	1188.91
244+00	18.4	70.09	70.09	11.96	57.46	2132.04	2132.04	930.49	1201.55
245+00	20.62	72.24	72.24	3.24	37.42	2204.28	2204.28	967.92	1236.37
246+00	19.01	73.38	73.38	19.64	56.35	2277.66	2277.66	1024.27	1253.39
247+00	21.28	74.6	74.6	15.18	85.77	2352.27	2352.27	1110.04	1242.23
248+00	21.77	79.73	79.73	13.05	69.52	2431.99	2431.99	1179.55	1252.44
249+00	19.7	72.73	72.73	17.3	70.79	2504.73	2504.73	1250.35	1254.38
250+00	19.29	72.2	72.2	16.87	84.16	2576.92	2576.92	1334.51	1242.41
251+00	19.88	72.53	72.53	14.65	77.63	2649.45	2649.45	1412.14	1237.31
252+00	20.67	75.1	75.1	16.32	76.28	2724.55	2724.55	1488.42	1236.13
253+00	24.6	83.84	83.84	12.92	72.01	2808.39	2808.39	1560.43	1247.96
254+00	25.98	93.66	93.66	0.86	33.93	2902.05	2902.05	1594.35	1307.7
255+00	55.21	150.35	150.35	0	2.11	3052.4	3052.4	1596.47	1455.94
256+00	62.02	217.1	217.1	0	0	3269.51	3269.51	1596.47	1673.04
257+00	38.3	185.79	185.79	3.8	9.35	3455.3	3455.3	1605.82	1849.48
258+00	20.86	109.55	109.55	12.07	39.07	3564.85	3564.85	1644.89	1919.96
259+00	17.62	71.24	71.24	10.74	56.16	3636.09	3636.09	1701.06	1935.04
260+00	14.12	58.77	58.77	12.6	57.47	3694.86	3694.86	1758.53	1936.33
261+00	13.99	52.05	52.05	10.06	55.8	3746.92	3746.92	1814.33	1932.59
262+00	13.93	51.7	51.7	12.16	54.72	3798.62	3798.62	1869.05	1929.56
263+00	40.56	100.9	100.9	0	29.96	3899.51	3899.51	1899.01	2000.5
264+00	45.09	158.6	158.6	0	0	4058.11	4058.11	1899.01	2159.11

STAGE 2

Alignment: IH 94 EB Existing
Start Sta: 264+75
End Sta: 291+77

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
264+75	47.81	0	0	0	0	0	0	0	0
266+00	16.03	147.77	147.77	5.48	16.86	147.77	147.77	16.86	130.91
267+00	17.24	61.6	61.6	6.02	28.31	209.38	209.38	45.18	164.2
268+00	19.96	68.89	68.89	5.58	28.57	278.27	278.27	73.75	204.52
269+00	23.5	80.49	80.49	8.85	35.54	358.76	358.76	109.29	249.47
270+00	20.41	81.32	81.32	9.42	45	440.08	440.08	154.29	285.78
271+00	24.1	82.42	82.42	8.52	44.2	522.5	522.5	198.5	324
272+00	31.27	102.54	102.54	8.29	41.41	625.03	625.03	239.91	385.13
273+00	25.35	104.85	104.85	12.73	51.76	729.88	729.88	291.66	438.22
274+00	27.97	98.74	98.74	9.04	53.62	828.62	828.62	345.28	483.34
275+00	21.42	91.46	91.46	15.8	61.18	920.08	920.08	406.45	513.62
276+00	22.8	81.9	81.9	17.07	80.95	1001.98	1001.98	487.4	514.57
277+00	20.58	80.34	80.34	19.56	90.21	1082.31	1082.31	577.61	504.7
278+00	22.64	80.04	80.04	16.75	89.43	1162.35	1162.35	667.04	495.31
279+00	25.26	88.71	88.71	13.8	75.25	1251.06	1251.06	742.3	508.76
280+00	21.28	86.17	86.17	19.49	82	1337.23	1337.23	824.29	512.94
281+00	17.79	72.35	72.35	19.82	96.82	1409.58	1409.58	921.11	488.47
282+00	15.36	61.4	61.4	27.68	116.98	1470.98	1470.98	1038.09	432.89
283+00	17.64	61.12	61.12	35.57	155.78	1532.1	1532.1	1193.87	338.22
284+00	12.87	56.5	56.5	21.55	140.69	1588.59	1588.59	1334.56	254.03
285+00	15.24	52.06	52.06	14.57	88.95	1640.65	1640.65	1423.51	217.14
286+00	18.07	61.69	61.69	8.45	56.68	1702.34	1702.34	1480.19	222.15
287+00	17.95	66.7	66.7	9.46	44.11	1769.04	1769.04	1524.29	244.75
288+00	16.78	64.31	64.31	18.54	68.96	1833.35	1833.35	1593.25	240.1
289+00	18.69	65.72	65.72	25.76	109.16	1899.06	1899.06	1702.41	196.65
290+00	20.94	73.38	73.38	32.45	143.37	1972.45	1972.45	1845.78	126.67
291+00	19.34	74.58	74.58	49.14	200.96	2047.02	2047.02	2046.74	0.28
291+77	0	27.57	27.57	33.96	157.61	2074.6	2074.6	2204.35	-129.76

STAGE 2

Alignment: west-Stage-3-WB-centerline
Start Sta: 86+73
End Sta: 111+50

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
86+73	6.87	0	0	35.03	0	0	0	0	0
87+00	7.05	6.85	6.85	40.9	49.72	6.85	6.85	49.72	-42.87
88+00	58.81	121.98	121.98	0	100.73	128.83	128.83	150.46	-21.63
89+00	9.18	125.91	125.91	35.37	87.13	254.74	254.74	237.59	17.16
90+00	6.79	29.56	29.56	43.41	194.04	284.31	284.31	431.63	-147.32
91+00	2.81	17.77	17.77	55.27	243.03	302.08	302.08	674.66	-372.58
92+00	1.65	8.27	8.27	101.3	385.61	310.35	310.35	1060.27	-749.92
93+00	3.64	9.8	9.8	76.77	438.58	320.14	320.14	1498.86	-1178.71
94+00	7.07	19.82	19.82	59.62	335.94	339.96	339.96	1834.8	-1494.84
95+00	10.78	33.05	33.05	55.75	284.16	373.01	373.01	2118.96	-1745.94
96+00	5.54	30.22	30.22	58.14	280.5	403.24	403.24	2399.46	-1996.22
97+00	26.64	59.59	59.59	38.74	238.6	462.82	462.82	2638.06	-2175.23
98+00	21.92	89.93	89.93	38.75	190.86	552.75	552.75	2828.91	-2276.16
99+00	21.18	79.82	79.82	48.02	213.72	632.58	632.58	3042.63	-2410.05
100+00	22.71	81.29	81.29	54.41	252.29	713.86	713.86	3294.92	-2581.06
101+00	19.98	79.06	79.06	69.33	304.77	792.92	792.92	3599.69	-2806.77
102+00	13.34	61.7	61.7	79.12	365.62	854.62	854.62	3965.32	-3110.69
103+00	4.67	33.35	33.35	111.92	470.52	887.97	887.97	4435.83	-3547.86
104+00	3.55	15.21	15.21	147.42	638.73	903.19	903.19	5074.56	-4171.37
105+00	2.82	11.8	11.8	183.95	816.14	914.99	914.99	5890.7	-4975.71
106+00	2.76	10.35	10.35	255.22	1081.66	925.33	925.33	6972.36	-6047.03
107+00	8.41	20.7	20.7	298.87	1364.7	946.03	946.03	8337.07	-7391.04
108+00	3.11	21.35	21.35	334.88	1560.89	967.37	967.37	9897.96	-8930.58
109+00	0	5.76	5.76	386.88	1777.67	973.14	973.14	11675.63	-10702.49
110+00	0	0	0	422.97	1994.64	973.14	973.14	13670.27	-12697.13
111+00	0	0	0	420.09	2076.43	973.14	973.14	15746.69	-14773.56
111+50	0	0	0	424.82	1040.49	973.14	973.14	16787.19	-15814.05

STAGE 2

Alignment: west-Stage-3-WB-centerline

Start Sta: 113+00

End Sta: 186+50

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
113+00	0	0	0	290.6	0	0	0	0	0
114+00	0	0	0	284.65	1416.68	0	0	1416.68	-1416.68
115+00	0	0	0	250.39	1317.77	0	0	2734.45	-2734.45
116+00	0	0	0	242.23	1213.29	0	0	3947.74	-3947.74
117+00	3.69	6.83	6.83	237.52	1181.61	6.83	6.83	5129.35	-5122.52
118+00	3.91	14.08	14.08	258.51	1221.71	20.92	20.92	6351.06	-6330.14
119+00	3.9	14.48	14.48	244.67	1239.32	35.4	35.4	7590.38	-7554.98
120+00	0	7.23	7.23	260.73	1244.78	42.62	42.62	8835.16	-8792.54
121+00	0	0	0	275.56	1320.86	42.62	42.62	10156.01	-10113.39
122+00	0	0	0	317	1459.46	42.62	42.62	11615.47	-11572.85
123+00	0	0	0	293.56	1503.79	42.62	42.62	13119.27	-13076.65
124+00	0	0	0	250.94	1341.08	42.62	42.62	14460.34	-14417.72
125+00	0	0	0	229.34	1182.91	42.62	42.62	15643.26	-15600.63
126+00	0	0	0	217.15	1099.7	42.62	42.62	16742.95	-16700.33
127+00	3.89	7.2	7.2	206.76	1044.08	49.82	49.82	17787.04	-17737.22
128+00	5.05	16.55	16.55	208.13	1021.85	66.37	66.37	18808.89	-18742.52
129+00	6.13	20.71	20.71	201.71	1009.42	87.08	87.08	19818.31	-19731.24
130+00	4.79	20.23	20.23	205.42	1002.75	107.3	107.3	20821.07	-20713.76
131+00	10.64	28.58	28.58	184.86	961.24	135.89	135.89	21782.3	-21646.42
132+00	10.78	39.68	39.68	182.49	904.77	175.56	175.56	22687.08	-22511.51
133+00	12.73	43.54	43.54	171.39	871.6	219.11	219.11	23558.68	-23339.57
134+00	13.15	47.93	47.93	158.92	813.54	267.04	267.04	24372.21	-24105.18
135+00	15.64	53.31	53.31	155.92	775.43	320.35	320.35	25147.64	-24827.29
136+00	21.24	68.31	68.31	128.96	701.65	388.66	388.66	25849.29	-25460.64
137+00	15.35	67.77	67.77	116.43	604.41	456.43	456.43	26453.7	-25997.27
138+00	10.94	48.69	48.69	137.66	625.82	505.11	505.11	27079.52	-26574.4
139+00	14	46.18	46.18	142.49	689.99	551.3	551.3	27769.5	-27218.2
140+00	13.63	51.17	51.17	140.42	696.79	602.46	602.46	28466.29	-27863.83
141+00	14.51	52.11	52.11	140.39	691.62	654.57	654.57	29157.91	-28503.34
142+00	13.63	52.11	52.11	146.46	706.5	706.68	706.68	29864.41	-29157.73
143+00	6.44	37.16	37.16	154.87	742.16	743.84	743.84	30606.57	-29862.73
144+00	4.15	19.6	19.6	175.31	813.2	763.44	763.44	31419.77	-30656.33
145+00	4.34	15.71	15.71	181.73	879.36	779.15	779.15	32299.13	-31519.98
146+00	4.5	16.37	16.37	173.14	874.02	795.52	795.52	33173.15	-32377.64
147+00	2.28	12.55	12.55	176.03	859.98	808.06	808.06	34033.13	-33225.07
148+00	1.52	7.02	7.02	181.69	881.04	815.09	815.09	34914.17	-34099.09
149+00	9.13	19.72	19.72	166.65	857.95	834.8	834.8	35772.12	-34937.32
150+00	15.22	45.08	45.08	138.23	750.92	879.89	879.89	36523.04	-35643.15
151+00	7.24	41.58	41.58	105.93	601.37	921.47	921.47	37124.41	-36202.94
152+00	6.4	25.25	25.25	144.33	616.4	946.73	946.73	37740.81	-36794.09
153+00	22.88	54.21	54.21	204.72	859.7	1000.94	1000.94	38600.51	-37599.57
154+00	13.11	66.64	66.64	165.24	911.18	1067.58	1067.58	39511.69	-38444.11
155+00	14.86	51.79	51.79	129.5	725.94	1119.37	1119.37	40237.63	-39118.26
156+00	9.67	45.42	45.42	109.62	588.97	1164.79	1164.79	40826.59	-39661.81
157+00	2.94	23.35	23.35	93.38	500	1188.14	1188.14	41326.59	-40138.46
158+00	5.39	15.43	15.43	89.07	449.37	1203.56	1203.56	41775.96	-40572.4
159+00	7.11	23.14	23.14	117.31	508.3	1226.7	1226.7	42284.26	-41057.56
160+00	9.28	30.35	30.35	141.57	637.6	1257.05	1257.05	42921.86	-41664.8
161+00	11.94	39.3	39.3	164	752.6	1296.36	1296.36	43674.46	-42378.1
162+00	8.93	38.64	38.64	165.67	811.95	1335	1335	44486.41	-43151.41
163+00	9.21	33.59	33.59	152.45	783.5	1368.59	1368.59	45269.91	-43901.33
164+00	8.63	33.05	33.05	146.61	736.56	1401.64	1401.64	46006.48	-44604.84
165+00	3.44	22.36	22.36	152.89	737.64	1423.99	1423.99	46744.12	-45320.13
166+00	3.17	12.23	12.23	151.43	749.53	1436.23	1436.23	47493.65	-46057.42
167+00	3.61	12.54	12.54	144.81	729.63	1448.77	1448.77	48223.27	-46774.51
168+00	2.14	10.65	10.65	148.45	722.28	1459.41	1459.41	48945.55	-47486.14
169+00	5.78	14.67	14.67	161.7	763.89	1474.08	1474.08	49709.45	-48235.37
170+00	4.04	18.18	18.18	194.04	876.17	1492.26	1492.26	50585.62	-49093.36
171+00	4.15	15.17	15.17	210.7	996.86	1507.43	1507.43	51582.47	-50075.04
172+00	0	7.68	7.68	181.94	967.08	1515.11	1515.11	52549.55	-51034.44
173+00	0.95	1.77	1.77	181.42	894.96	1516.88	1516.88	53444.51	-51927.63
174+00	2.54	6.47	6.47	175.1	878.1	1523.34	1523.34	54322.61	-52799.27
175+00	2.47	9.27	9.27	184.84	886.52	1532.61	1532.61	55209.13	-53676.52
176+00	2.97	10.06	10.06	185.19	911.38	1542.67	1542.67	56120.51	-54577.84

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	COMPUTER EARTHWORK DATA	SHEET 847	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\090100_EW.DWG
LAYOUT NAME - 06

PLOT DATE : 8/15/2018 10:45 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

~CONTINUE~

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
177+00	2.61	10.32	10.32	180.04	899.56	1552.99	1552.99	57020.07	-55467.08
178+00	2.5	9.46	9.46	176.73	878.72	1562.45	1562.45	57898.79	-56336.34
179+00	2.57	9.39	9.39	171.17	856.88	1571.85	1571.85	58755.67	-57183.83
180+00	2.59	9.56	9.56	169.31	838.59	1581.4	1581.4	59594.26	-58012.86
181+00	2.63	9.67	9.67	178.97	857.79	1591.07	1591.07	60452.05	-58860.98
182+00	2.67	9.82	9.82	175.55	873.16	1600.89	1600.89	61325.21	-59724.32
183+00	2.72	9.99	9.99	178.15	871.14	1610.88	1610.88	62196.35	-60585.47
184+00	0	5.04	5.04	181.88	886.72	1615.92	1615.92	63083.07	-61467.15
185+00	0	0	0	204.36	951.3	1615.92	1615.92	64034.37	-62418.44
186+00	0	0	0	240.27	1095.12	1615.92	1615.92	65129.48	-63513.56
186+50	4.12	3.81	3.81	121.38	445.36	1619.74	1619.74	65574.85	-63955.11

STAGE 2

Alignment: west-Stage-3-WB-centerline

Start Sta: 188+00

End Sta: 198+00

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
188+00	11.37	0	0	204.08	0	0	0	0	0
189+00	10.54	40.57	40.57	230.23	1069.7	40.57	40.57	1069.7	-1029.13
190+00	19.63	55.87	55.87	266.84	1224.27	96.45	96.45	2293.97	-2197.52
191+00	5.75	47	47	294.8	1383.31	143.44	143.44	3677.28	-3533.84
192+00	0.56	11.68	11.68	317.07	1507.03	155.12	155.12	5184.31	-5029.18
193+00	0	1.04	1.04	313.89	1554.03	156.16	156.16	6738.34	-6582.17
194+00	0	0	0	291.95	1492.17	156.16	156.16	8230.5	-8074.34
195+00	8.28	15.34	15.34	234.33	1296.21	171.5	171.5	9526.71	-9355.21
196+00	8.23	30.58	30.58	212.67	1100.92	202.09	202.09	10627.63	-10425.55
197+00	8.29	30.59	30.59	243.16	1122.69	232.67	232.67	11750.32	-11517.65
198+00	8.65	31.37	31.37	219.1	1138.53	264.04	264.04	12888.86	-12624.82

STAGE 2

Alignment: IH 94 EB Existing

Start Sta: 403+00

End Sta: 483+00

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
403+00	8.71	0	0	219.17	0	0	0	0	0
404+00	11.6	37.61	37.61	115.67	824.7	37.61	37.61	824.7	-787.08
405+00	10.76	41.41	41.41	152.42	660.28	79.03	79.03	1484.98	-1405.95
406+00	9.27	37.09	37.09	138.29	715.99	116.12	116.12	2200.97	-2084.84
407+00	10.47	36.55	36.55	120.72	637.92	152.67	152.67	2838.89	-2686.22
408+00	12.05	41.7	41.7	106.48	559.59	194.37	194.37	3398.48	-3204.11
409+00	10.59	41.93	41.93	111.82	537.67	236.3	236.3	3936.14	-3699.85
410+00	13.15	43.96	43.96	96.72	513.62	280.25	280.25	4449.76	-4169.51
411+00	10.93	44.58	44.58	95.7	473.93	324.84	324.84	4923.69	-4598.85
412+00	10.92	40.45	40.45	83.66	441.75	365.29	365.29	5365.44	-5000.15
413+00	10.16	39.04	39.04	78.33	398.97	404.33	404.33	5764.42	-5360.09
414+00	10.23	37.77	37.77	70.43	366.41	442.1	442.1	6130.83	-5688.73
415+00	9.95	37.37	37.37	78.96	367.96	479.47	479.47	6498.79	-6019.32
416+00	10.36	37.6	37.6	81.69	395.67	517.07	517.07	6894.46	-6377.39
417+00	10.04	37.78	37.78	73.45	382.09	554.84	554.84	7276.55	-6721.7
418+00	9.95	37.02	37.02	72.12	358.53	591.86	591.86	7635.08	-7043.22
419+00	9.32	35.68	35.68	71.51	353.74	627.54	627.54	7988.83	-7361.28
420+00	9.44	34.73	34.73	78.86	370.34	662.27	662.27	8359.17	-7696.9
421+00	9.41	34.9	34.9	56.4	333.13	697.17	697.17	8692.29	-7995.12
423+00	12.18	67.43	67.43	54.12	459.18	764.6	764.6	9151.47	-8386.88
424+00	15.41	51.09	51.09	33.33	215.39	815.68	815.68	9366.87	-8551.18
425+00	17.05	60.11	60.11	31.81	160.44	875.79	875.79	9527.31	-8651.52
426+00	19.1	66.94	66.94	31.87	156.84	942.73	942.73	9684.15	-8741.42
427+00	57.05	141.02	141.02	0	78.5	1083.75	1083.75	9762.65	-8678.91
428+00	24.18	150.43	150.43	9.67	23.83	1234.17	1234.17	9786.48	-8552.31
429+00	25.77	92.49	92.49	13.21	56.36	1326.66	1326.66	9842.84	-8516.17
430+00	24.61	93.29	93.29	20.75	83.63	1419.96	1419.96	9926.47	-8506.51
431+00	19.68	82.02	82.02	30.12	125.28	1501.97	1501.97	10051.75	-8549.78
432+00	18.58	70.84	70.84	32.11	153.26	1572.82	1572.82	10205.02	-8632.2
433+00	14.75	61.72	61.72	34.1	163.08	1634.53	1634.53	10368.09	-8733.56
434+00	18.74	62.02	62.02	26.31	148.8	1696.56	1696.56	10516.89	-8820.33
435+00	20.96	73.52	73.52	21.52	117.82	1770.08	1770.08	10634.71	-8864.63
436+00	17.36	70.95	70.95	27.26	120.16	1841.03	1841.03	10754.87	-8913.84
437+00	16.04	61.85	61.85	38.49	161.94	1902.88	1902.88	10916.82	-9013.94
438+00	16.98	61.16	61.16	27.58	162.72	1964.04	1964.04	11079.54	-9115.5
439+00	17.34	63.56	63.56	29.34	140.18	2027.6	2027.6	11219.72	-9192.11
440+00	17.02	63.64	63.64	29.42	144.71	2091.24	2091.24	11364.43	-9273.19
441+00	16.94	62.88	62.88	32.5	152.51	2154.12	2154.12	11516.94	-9362.81
442+00	15.53	60.12	60.12	34.64	165.36	2214.25	2214.25	11682.3	-9468.05
443+00	16.03	58.45	58.45	36.05	174.1	2272.7	2272.7	11856.4	-9583.7
444+00	44.94	112.91	112.91	0	88.8	2385.61	2385.61	11945.19	-9559.59
445+00	16.56	113.89	113.89	32.86	80.94	2499.5	2499.5	12026.13	-9526.63
446+00	17.12	62.38	62.38	32.51	161.02	2561.88	2561.88	12187.15	-9625.27
447+00	16.07	61.47	61.47	32.23	159.46	2623.35	2623.35	12346.6	-9723.25
448+00	14.6	56.8	56.8	39.67	177.08	2680.15	2680.15	12523.69	-9843.53
449+00	13.24	51.56	51.56	36.07	186.55	2731.71	2731.71	12710.24	-9978.53
450+00	13.51	49.53	49.53	33.12	170.43	2781.25	2781.25	12880.67	-10099.42
451+00	14.14	51.2	51.2	30.13	155.79	2832.44	2832.44	13036.46	-10204.02
452+00	15.3	54.52	54.52	32.78	154.96	2886.96	2886.96	13191.42	-10304.46
453+00	17.31	60.39	60.39	35.7	168.68	2947.35	2947.35	13360.1	-10412.75
454+00	10.93	52.29	52.29	21.67	141.3	2999.64	2999.64	13501.4	-10501.76
455+00	11.76	42.01	42.01	11.84	82.53	3041.65	3041.65	13583.94	-10542.29
456+00	11.49	43.05	43.05	3.25	37.17	3084.7	3084.7	13621.1	-10536.4
457+00	12.94	45.24	45.24	0	8	3129.94	3129.94	13629.1	-10499.16
458+00	13.31	48.61	48.61	7	17.25	3178.55	3178.55	13646.35	-10467.8
459+00	12.7	48.17	48.17	0	17.25	3226.72	3226.72	13663.6	-10436.88
460+00	12.87	47.36	47.36	0	0	3274.09	3274.09	13663.6	-10389.52
461+00	13.59	49.01	49.01	0	0	3323.1	3323.1	13663.6	-10340.5
462+00	14.52	52.06	52.06	0	0	3375.16	3375.16	13663.6	-10288.44
463+00	13.98	52.79	52.79	0	0	3427.95	3427.95	13663.6	-10235.65
464+00	13.21	50.36	50.36	3.05	7.51	3478.31	3478.31	13671.12	-10192.8
465+00	12.44	47.51	47.51	2.59	13.88	3525.82	3525.82	13685	-10159.18
466+00	13.73	48.46	48.46	0.99	8.8	3574.28	3574.28	13693.8	-10119.52

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	COMPUTER EARTHWORK DATA	SHEET 849	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\090100_EW.DWG
LAYOUT NAME - 08

PLOT DATE : 8/15/2018 10:45 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

~CONTINUE~

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
467+00	13.49	50.4	50.4	1.37	5.81	3624.68	3624.68	13699.61	-10074.93
468+00	13.06	49.16	49.16	0	3.38	3673.83	3673.83	13702.99	-10029.15
469+00	13.74	49.62	49.62	0	0	3723.45	3723.45	13702.99	-9979.53
470+00	14.1	51.56	51.56	0	0	3775.01	3775.01	13702.99	-9927.97
471+00	13.68	51.46	51.46	0.5	1.24	3826.47	3826.47	13704.23	-9877.76
472+00	13.42	50.19	50.19	1.11	3.99	3876.66	3876.66	13708.22	-9831.55
473+00	14.77	52.21	52.21	0	2.75	3928.87	3928.87	13710.96	-9782.09
474+00	13.77	60.36	60.36	0	0	3989.23	3989.23	13710.96	-9721.73
475+00	12.01	47.74	47.74	0	0	4036.98	4036.98	13710.96	-9673.99
476+00	14.89	49.82	49.82	0	0	4086.8	4086.8	13710.96	-9624.16
477+00	13.28	52.17	52.17	0	0	4138.97	4138.97	13710.96	-9571.99
478+00	12.96	48.6	48.6	0	0	4187.57	4187.57	13710.96	-9523.39
479+00	14.98	51.74	51.74	0	0	4239.31	4239.31	13710.96	-9471.65
480+00	13.75	53.19	53.19	0	0	4292.51	4292.51	13710.96	-9418.46
481+00	10.93	45.7	45.7	2.28	5.61	4338.21	4338.21	13716.57	-9378.37
482+00	14.41	46.94	46.94	0	5.61	4385.15	4385.15	13722.18	-9337.04
483+00	13.4	51.51	51.51	0	0	4436.65	4436.65	13722.18	-9285.53

STAGE 2

Alignment: IH 94 EB Existing

Start Sta: 484+50

End Sta: 563+00

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
484+50	13.91	0	0	0	0	0	0	0	0
485+00	14.25	26.07	26.07	0	0	26.07	26.07	0	26.07
486+00	13.79	51.91	51.91	0	0	77.98	77.98	0	77.98
487+00	13.8	51.09	51.09	1.22	3	129.07	129.07	3	126.07
488+00	13.77	51.06	51.06	4.52	14.14	180.13	180.13	17.14	162.99
489+00	12.69	49.01	49.01	9.08	33.5	229.13	229.13	50.64	178.5
490+00	12.9	47.39	47.39	12.05	52.04	276.53	276.53	102.68	173.85
491+00	13.08	48.12	48.12	6.76	46.32	324.65	324.65	148.99	175.66
492+00	12.95	48.22	48.22	13.31	49.41	372.87	372.87	198.41	174.46
493+00	11.41	45.12	45.12	11.61	61.37	417.99	417.99	259.78	158.21
494+00	12.21	43.74	43.74	13.79	62.56	461.73	461.73	322.34	139.39
495+00	12.83	46.37	46.37	14.22	69	508.09	508.09	391.34	116.75
496+00	12.41	46.74	46.74	17.2	77.41	554.83	554.83	468.75	86.08
497+00	12	45.21	45.21	5.82	56.7	600.04	600.04	525.45	74.58
498+00	12.78	45.89	45.89	7.35	32.43	645.93	645.93	557.88	88.04
499+00	12.26	46.36	46.36	9.72	42.03	692.29	692.29	599.92	92.37
500+00	13.98	48.58	48.58	30.56	99.2	740.87	740.87	699.11	41.75
501+00	16.35	56.15	56.15	32.68	155.75	797.02	797.02	854.86	-57.84
502+00	11.22	51.05	51.05	38.23	174.63	848.07	848.07	1029.5	-181.42
503+00	13.95	46.61	46.61	48.77	214.26	894.68	894.68	1243.76	-349.08
504+00	12.64	49.24	49.24	47.42	236.91	943.92	943.92	1480.67	-536.75
505+00	10.83	43.47	43.47	66.41	280.36	987.39	987.39	1761.03	-773.64
506+00	10.63	39.75	39.75	68.8	333.01	1027.14	1027.14	2094.04	-1066.9
507+00	11.07	40.18	40.18	66.85	334.1	1067.32	1067.32	2428.13	-1360.81
508+00	10.41	39.77	39.77	57.18	305.49	1107.09	1107.09	2733.62	-1626.53
509+00	10.64	38.97	38.97	71.15	316.1	1146.06	1146.06	3049.71	-1903.65
510+00	10.84	39.77	39.77	63.98	332.82	1185.83	1185.83	3382.54	-2196.7
511+00	10.46	39.45	39.45	63.27	313.39	1225.28	1225.28	3695.93	-2470.65
512+00	10.74	39.26	39.26	64.39	314.41	1264.55	1264.55	4010.34	-2745.8
513+00	11.03	40.32	40.32	64.05	316.34	1304.86	1304.86	4326.69	-3021.82
514+00	10.71	40.27	40.27	69.31	328.47	1345.13	1345.13	4655.16	-3310.02
515+00	11.28	40.73	40.73	60.31	319.25	1385.86	1385.86	4974.4	-3588.54
516+00	13.81	46.46	46.46	54.31	282.29	1432.33	1432.33	5256.7	-3824.37
517+00	17.23	55.88	55.88	19.38	176.47	1488.21	1488.21	5433.16	-3944.96
518+00	20.15	69.21	69.21	27.9	116.45	1557.42	1557.42	5549.62	-3992.2
519+00	19.53	73.47	73.47	28.81	139.67	1630.89	1630.89	5689.28	-4058.39
520+00	19.31	71.93	71.93	26.07	135.17	1702.82	1702.82	5824.45	-4121.63
521+00	22.22	76.92	76.92	18.66	110.18	1779.74	1779.74	5934.63	-4154.89
522+00	22.77	83.32	83.32	16.81	87.36	1863.06	1863.06	6021.99	-4158.94
523+00	20.2	79.57	79.57	23.14	98.4	1942.62	1942.62	6120.39	-4177.76
524+00	20.74	75.81	75.81	22.33	112	2018.43	2018.43	6232.38	-4213.95
525+00	17.27	70.38	70.38	35.94	143.51	2088.82	2088.82	6375.89	-4287.08

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Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
526+00	19.29	67.71	67.71	28.79	159.42	2156.52	2156.52	6535.32	-4378.79
527+00	20.12	72.99	72.99	24.37	130.94	2229.51	2229.51	6666.26	-4436.74
528+00	17.53	69.72	69.72	21.11	112.03	2299.23	2299.23	6778.29	-4479.06
529+00	19.47	68.51	68.51	22.17	106.62	2367.74	2367.74	6884.9	-4517.16
530+00	20.06	73.2	73.2	20.74	105.69	2440.94	2440.94	6990.59	-4549.65
531+00	17.32	69.21	69.21	26.73	116.92	2510.15	2510.15	7107.51	-4597.35
532+00	16.27	62.2	62.2	27.68	134.01	2572.35	2572.35	7241.51	-4669.16
533+00	18.59	64.56	64.56	25.8	131.72	2636.91	2636.91	7373.24	-4736.32
534+00	21.79	74.78	74.78	26.51	128.84	2711.69	2711.69	7502.08	-4790.39
535+00	19.77	76.95	76.95	24.16	124.8	2788.64	2788.64	7626.88	-4838.24
536+00	24.75	82.44	82.44	19.06	106.46	2871.08	2871.08	7733.33	-4862.26
537+00	35.66	111.87	111.87	7.61	65.69	2982.95	2982.95	7799.03	-4816.08
538+00	33.48	128.03	128.03	9.97	43.3	3110.98	3110.98	7842.33	-4731.35
539+00	34.39	125.69	125.69	10.08	49.37	3236.67	3236.67	7891.7	-4655.03
540+00	20.57	101.78	101.78	17.62	68.22	3338.45	3338.45	7959.92	-4621.47
541+00	25.31	84.97	84.97	19.97	92.59	3423.41	3423.41	8052.51	-4629.09
542+00	24.13	91.55	91.55	22.99	105.82	3514.97	3514.97	8158.33	-4643.36
543+00	26.53	93.8	93.8	13.75	90.49	3608.77	3608.77	8248.82	-4640.05
544+00	28.78	102.42	102.42	10.88	60.67	3711.19	3711.19	8309.49	-4598.3
545+00	26.26	101.92	101.92	9.94	51.28	3813.11	3813.11	8360.77	-4547.66
546+00	26.67	98.01	98.01	10.06	49.25	3911.12	3911.12	8410.02	-4498.89
547+00	32.09	108.81	108.81	5.74	38.91	4019.94	4019.94	8448.92	-4428.99
548+00	29.22	113.54	113.54	9.15	36.66	4133.48	4133.48	8485.59	-4352.11
549+00	33.77	116.66	116.66	4.84	34.45	4250.14	4250.14	8520.04	-4269.9
550+00	30.69	119.38	119.38	5.82	26.25	4369.52	4369.52	8546.29	-4176.77
551+00	29.68	111.79	111.79	7.48	32.74	4481.31	4481.31	8579.03	-4097.72
552+00	21.28	94.37	94.37	15.53	56.67	4575.68	4575.68	8635.7	-4060.02
553+00	17.6	72	72	40.9	139	4647.68	4647.68	8774.7	-4127.02
554+00	13.49	61.92	61.92	50.6	242.37	4709.59	4709.59	9017.07	-4307.47
555+00	13.34	49.69	49.69	56.02	262.59	4759.28	4759.28	9279.66	-4520.37
556+00	14.79	52.11	52.11	54.52	272.25	4811.39	4811.39	9551.9	-4740.51
557+00	14.42	54.1	54.1	50.69	259.13	4865.49	4865.49	9811.03	-4945.54
558+00	15.39	55.19	55.19	38.73	220.25	4920.68	4920.68	10031.28	-5110.6
559+00	12.77	52.13	52.13	37.04	186.62	4972.82	4972.82	10217.9	-5245.09
560+00	16.19	53.63	53.63	31.69	169.29	5026.44	5026.44	10387.19	-5360.75
561+00	21.32	69.46	69.46	29.96	151.84	5095.9	5095.9	10539.03	-5443.13
562+00	19.58	75.75	75.75	28.19	143.2	5171.65	5171.65	10682.23	-5510.58
563+00	21.06	75.27	75.27	26.52	134.73	5246.92	5246.92	10816.96	-5570.04

STAGE 2

Alignment: Ramp 128 C Temporary 3A

Start Sta: 63+33

End Sta: 67+21

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
63+33	5.19	0	0	2.52	0	0	0	0	0
63+50	6.72	3.82	3.82	5.25	3.32	3.82	3.82	3.32	0.51
64+00	8	13.62	13.62	20.45	31.65	17.45	17.45	34.97	-17.52
64+50	15.97	22.19	22.19	18.77	48.3	39.64	39.64	83.26	-43.63
65+00	11.75	25.67	25.67	33.35	64.18	65.3	65.3	147.44	-82.14
65+50	7.12	17.48	17.48	46.95	98.88	82.78	82.78	246.33	-163.54
66+00	17.74	23.02	23.02	32.55	97.91	105.81	105.81	344.23	-238.43
66+50	31.02	45.15	45.15	3.28	44.13	150.95	150.95	388.36	-237.41
67+00	18.94	46.25	46.25	0.7	4.9	197.2	197.2	393.26	-196.06
67+21	10.79	11.52	11.52	0.71	0.73	208.72	208.72	393.99	-185.27

STAGE 2

Alignment: Ramp 128 C Temporary 3A
Start Sta: 84+79
End Sta: 91+84

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
84+79	9.86	0	0	0	0	0	0	0	0
85+00	10.02	7.75	7.75	0	0	7.75	7.75	0	7.75
85+50	11.39	19.82	19.82	0	0	27.57	27.57	0	27.57
86+00	13.29	22.85	22.85	0	0	50.42	50.42	0	50.42
86+50	14.33	25.57	25.57	0	0	75.99	75.99	0	75.99
87+00	14.21	26.43	26.43	0.51	0.63	102.42	102.42	0.63	101.8
87+50	17.98	29.8	29.8	0	0.63	132.23	132.23	1.25	130.97
88+00	27.47	42.08	42.08	0	0	174.31	174.31	1.25	173.06
88+50	15.56	39.84	39.84	8.04	9.9	214.15	214.15	11.15	203
89+00	15.27	28.54	28.54	14.81	28.14	242.7	242.7	39.29	203.4
89+50	6.15	19.83	19.83	14.05	35.54	262.52	262.52	74.84	187.69
90+00	2.83	8.31	8.31	13.3	33.69	270.83	270.83	108.52	162.31
90+50	0.8	3.35	3.35	16.56	36.78	274.18	274.18	145.3	128.89
91+00	0	0.74	0.74	23.4	49.21	274.92	274.92	194.51	80.41
91+50	0	0	0	25.97	60.8	274.92	274.92	255.31	19.62
91+84	0	0	0	25.84	43.29	274.92	274.92	298.59	-23.67

STAGE 2

Alignment: NW Ramp TNW3
Start Sta: 248+14
End Sta: 253+06

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
248+14	4.63	0	0	16.4	0	0	0	0	0
248+50	3.14	5.14	5.14	20.61	32.59	5.14	5.14	32.59	-27.45
249+00	3.54	6.18	6.18	21.06	51.32	11.33	11.33	83.92	-72.59
249+50	3.62	6.62	6.62	23.41	54.76	17.95	17.95	138.68	-120.73
250+00	4.28	7.31	7.31	26.71	61.72	25.26	25.26	200.41	-175.14
250+50	4.7	8.31	8.31	27.03	66.18	33.58	33.58	266.59	-233.01
251+00	4.54	8.55	8.55	27.95	67.7	42.13	42.13	334.29	-292.16
251+50	14.01	17.17	17.17	26.12	66.59	59.3	59.3	400.87	-341.57
252+00	14.57	26.46	26.46	19.01	55.58	85.76	85.76	456.45	-370.69
252+50	12.34	24.92	24.92	3.15	27.29	110.68	110.68	483.74	-373.06
253+00	10.63	21.27	21.27	0	3.89	131.94	131.94	487.63	-355.69
253+06	10.54	2.31	2.31	0	0	134.25	134.25	487.64	-353.38

STAGE 2

Alignment: NE Ramp TNE3
Start Sta: 291+02
End Sta: 294+45

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
291+02	4.48	0	0	0.02	0	0	0	0	0
291+50	11.2	13.86	13.86	0.59	0.72	13.86	13.86	0.72	13.14
292+00	13.73	23.09	23.09	19.41	24.64	36.96	36.96	25.36	11.59
292+50	5.72	18	18	26.25	56.21	54.96	54.96	81.58	-26.62
293+00	4.05	9.05	9.05	27.32	65.97	64	64	147.55	-83.55
293+50	0.64	4.34	4.34	25.52	65.07	68.35	68.35	212.62	-144.27
294+00	0.16	0.74	0.74	26.05	63.5	69.09	69.09	276.12	-207.04
294+45	0.67	0.7	0.7	28.33	60.41	69.78	69.78	336.53	-266.75

STAGE 2

Alignment: west-Stage-3-WB-centerline
Start Sta: 5+10
End Sta: 17+01

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
5+10	17.64	0	0	0	0	0	0	0	0
6+00	20.78	63.71	63.71	0	0	63.71	63.71	0	63.71
6+63	18.73	45.78	45.78	4.03	6.22	109.5	109.5	6.22	103.28
7+00	33.81	36.41	36.41	0	3.72	145.91	145.91	9.94	135.97
8+00	76.13	203.6	203.6	0	0	349.5	349.5	9.94	339.57
9+00	62.84	257.36	257.36	0	0	606.86	606.86	9.94	596.93
9+67	59.03	152.03	152.03	0	0	758.89	758.89	9.94	748.96
10+00	49.74	65.74	65.74	0	0	824.63	824.63	9.94	814.69
11+00	53.72	191.59	191.59	0	0	1016.22	1016.22	9.94	1006.28
12+00	69.08	227.4	227.4	0	0	1243.62	1243.62	9.94	1233.69
13+00	47.72	216.31	216.31	2.14	5.28	1459.93	1459.93	15.22	1444.71
14+00	35.44	154.01	154.01	3.67	14.32	1613.94	1613.94	29.54	1584.41
15+00	34.53	129.58	129.58	4.82	20.91	1743.52	1743.52	50.45	1693.07
16+00	32.23	123.63	123.63	3.18	19.71	1867.16	1867.16	70.16	1797
17+00	30.57	116.31	116.31	10.64	34.05	1983.46	1983.46	104.21	1879.26
17+01	30.01	1.6	1.6	12.1	0.8	1985.07	1985.07	105.01	1880.06

STAGE 2

Alignment: west-Stage-3-WB-centerline
Start Sta: 357+99
End Sta: 370+90

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
357+99	13.56	0	0	27.14	0	0	0	0	0
358+00	13.11	0.72	0.72	26.86	1.94	0.72	0.72	1.94	-1.22
359+00	28.83	77.65	77.65	16	105.57	78.38	78.38	107.51	-29.13
360+00	89.58	219.27	219.27	0	39.41	297.65	297.65	146.92	150.73
361+00	35.62	231.86	231.86	7.36	18.13	529.51	529.51	165.05	364.46
362+00	34.17	129.25	129.25	13.94	52.47	658.75	658.75	217.52	441.24
363+00	27.16	113.58	113.58	23.78	92.9	772.33	772.33	310.42	461.91
364+00	25.74	97.98	97.98	24.46	118.8	870.31	870.31	429.22	441.09
365+00	26.9	97.48	97.48	24.89	121.53	967.79	967.79	550.75	417.04
366+00	13.13	74.12	74.12	19.96	110.45	1041.91	1041.91	661.2	380.71
366+32	13.68	16.03	16.03	15.05	27.84	1057.94	1057.94	689.04	368.9
366+42	13.66	4.81	4.81	3.64	4.37	1062.75	1062.75	693.41	369.34
367+00	13.83	29.63	29.63	6.21	14.12	1092.38	1092.38	707.53	384.85
368+00	14.58	52.6	52.6	0.79	17.24	1144.98	1144.98	724.76	420.22
369+00	13.25	51.54	51.54	0	1.94	1196.52	1196.52	726.71	469.81
370+00	11.78	46.35	46.35	0	0	1242.87	1242.87	726.71	516.17
370+90	13.72	42.69	42.69	0	0	1285.56	1285.56	726.71	558.85

STAGE 3

Alignment: IH 94 WB Ref Line

Start Sta: 256+50

End Sta: 316+50

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
256+50	77.13	0	0	0	0	0	0	0	0
257+00	85.34	150.43	150.43	3.65	4.49	150.43	150.43	4.49	145.94
258+00	79.37	305.02	305.02	1.64	13.04	455.45	455.45	17.53	437.92
259+00	76.35	288.37	288.37	0.96	6.41	743.82	743.82	23.94	719.88
260+00	74.19	278.78	278.78	3.89	11.94	1022.6	1022.6	35.88	986.72
261+00	81.11	287.59	287.59	6.74	26.18	1310.2	1310.2	62.07	1248.13
262+00	78.65	295.85	295.85	6.8	33.35	1606.04	1606.04	95.41	1510.63
263+00	75.6	285.72	285.72	10.66	43.01	1891.76	1891.76	138.42	1753.34
264+00	98.57	322.54	322.54	0	26.27	2214.3	2214.3	164.69	2049.61
265+00	81.94	334.27	334.27	7.98	19.66	2548.58	2548.58	184.35	2364.22
266+00	74.43	289.57	289.57	6.94	36.75	2838.15	2838.15	221.1	2617.05
267+00	76.01	278.59	278.59	5.45	30.51	3116.74	3116.74	251.61	2865.13
268+00	80.77	290.34	290.34	5.12	26.01	3407.08	3407.08	277.62	3129.46
269+00	88.21	312.94	312.94	5.13	25.24	3720.02	3720.02	302.86	3417.16
270+00	84.32	319.51	319.51	6.88	29.59	4039.52	4039.52	332.45	3707.07
271+00	88.41	319.87	319.87	4.85	28.91	4359.39	4359.39	361.37	3998.03
272+00	89.84	330.08	330.08	0	11.96	4689.48	4689.48	373.32	4316.15
273+00	73.14	301.81	301.81	0	0	4991.29	4991.29	373.32	4617.97
274+00	72.83	270.31	270.31	0	0	5261.6	5261.6	373.32	4888.28
275+00	69.09	262.81	262.81	0	0	5524.41	5524.41	373.32	5151.09
276+00	103.74	320.05	320.05	0.02	0.06	5844.46	5844.46	373.38	5471.09
277+00	101.83	380.68	380.68	0.14	0.4	6225.14	6225.14	373.78	5851.36
278+00	102.62	378.6	378.6	0.09	0.57	6603.75	6603.75	374.34	6229.4
279+00	93.73	363.6	363.6	2.01	5.17	6967.35	6967.35	379.52	6587.83
280+00	82.89	327.07	327.07	9.27	27.78	7294.42	7294.42	407.3	6887.12
281+00	77.87	297.7	297.7	12.38	53.32	7592.12	7592.12	460.62	7131.49
282+00	78.26	289.13	289.13	8.99	52.63	7881.25	7881.25	513.25	7368
283+00	81.29	295.47	295.47	21.13	74.17	8176.72	8176.72	587.42	7589.3
284+00	81.88	302.16	302.16	37.29	143.88	8478.88	8478.88	731.3	7747.58
285+00	84.4	307.93	307.93	90.78	315.43	8786.81	8786.81	1046.73	7740.08
286+00	84.59	312.95	312.95	127.83	538.43	9099.76	9099.76	1585.16	7514.6
287+00	75.04	300.72	300.72	129.69	645.23	9400.48	9400.48	2230.39	7170.09
288+00	70	268.6	268.6	130	639.61	9669.09	9669.09	2870	6799.08
289+00	69.42	258.19	258.19	99.36	564.9	9927.28	9927.28	3434.9	6492.38
290+00	74.52	266.56	266.56	37.07	336.01	10193.84	10193.84	3770.91	6422.93
291+00	79.75	285.68	285.68	18.69	137.34	10479.52	10479.52	3908.25	6571.27
292+00	84.07	303.36	303.36	9.87	70.35	10782.88	10782.88	3978.6	6804.28
293+00	84.52	312.21	312.21	6.46	40.21	11095.09	11095.09	4018.81	7076.28
294+00	85.55	314.94	314.94	2.09	21.04	11410.03	11410.03	4039.86	7370.17
295+00	85.46	316.68	316.68	1.3	8.34	11726.71	11726.71	4048.2	7678.51
296+00	83.64	313.14	313.14	2.54	9.46	12039.84	12039.84	4057.66	7982.18
297+00	76.86	297.21	297.21	4.27	16.78	12337.05	12337.05	4074.44	8262.61
298+00	77.14	285.18	285.18	4.43	21.43	12622.23	12622.23	4095.88	8526.36
299+00	75.9	283.42	283.42	4.65	22.37	12905.65	12905.65	4118.25	8787.41
300+00	74.68	278.86	278.86	5.71	25.5	13184.51	13184.51	4143.75	9040.77
301+00	76.52	280	280	0	14.05	13464.52	13464.52	4157.8	9306.72
302+00	88.03	304.73	304.73	0.85	2.1	13769.24	13769.24	4159.9	9609.35
303+00	94.57	338.14	338.14	0	2.1	14107.39	14107.39	4161.99	9945.39
304+00	94	349.2	349.2	0	0	14456.58	14456.58	4161.99	10294.59
305+00	91.65	343.81	343.81	0	0	14800.39	14800.39	4161.99	10638.4
306+00	78.15	314.45	314.45	0	0	15114.84	15114.84	4161.99	10952.84
307+00	57.91	251.96	251.96	42.07	103.62	15366.8	15366.8	4265.62	11101.18
308+00	31.63	165.81	165.81	183.22	554.89	15532.61	15532.61	4820.5	10712.11
309+00	9.98	77.05	77.05	199.12	941.68	15609.66	15609.66	5762.19	9847.47
310+00	0	18.48	18.48	316.46	1269.85	15628.14	15628.14	7032.03	8596.11
311+00	0.29	0.53	0.53	371.3	1693.93	15628.67	15628.67	8725.96	6902.71
312+00	0	0.53	0.53	429.61	1972.63	15629.2	15629.2	10698.59	4930.61
313+00	0	0	0	599.21	2533.95	15629.2	15629.2	13232.53	2396.67
314+00	0	0	0	522.66	2763.12	15629.2	15629.2	15995.66	-366.45
315+00	0	0	0	624.11	2824.45	15629.2	15629.2	18820.11	-3190.9
316+00	0	0	0	670.62	3188.86	15629.2	15629.2	22008.97	-6379.77
316+50	0	0	0	628.55	1599.91	15629.2	15629.2	23608.88	-7979.68

STAGE 3

Alignment: IH 94 WB Ref Line

Start Sta: 318+08

End Sta: 391+35

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
318+08	0	0	0	543.03	0	0	0	0	0
319+00	0	0	0	385.02	2111.21	0	0	2111.21	-2111.21
320+00	0	0	0	270.17	1613.71	0	0	3724.92	-3724.92
321+00	0	0	0	251.3	1284.38	0	0	5009.3	-5009.3
322+00	0	0	0	216.3	1151.69	0	0	6160.99	-6160.99
323+00	0	0	0	205.56	1039.03	0	0	7200.02	-7200.02
324+00	0	0	0	204.69	1010.44	0	0	8210.46	-8210.46
325+00	0	0	0	206.58	1012.93	0	0	9223.39	-9223.39
326+00	99.96	185.11	185.11	211.77	1030.37	185.11	185.11	10253.76	-10068.65
327+00	0	185.11	185.11	174.71	951.89	370.23	370.23	11205.64	-10835.42
328+00	0	0	0	135.58	764.25	370.23	370.23	11969.89	-11599.66
329+00	0	0	0	118.08	624.76	370.23	370.23	12594.65	-12224.42
330+00	0	0	0	94.27	523	370.23	370.23	13117.66	-12747.43
331+00	0	0	0	61.04	382.53	370.23	370.23	13500.19	-13129.96
332+00	0	0	0	48.54	269.91	370.23	370.23	13770.1	-13399.88
333+00	0	0	0	47.08	235.51	370.23	370.23	14005.62	-13635.39
334+00	3.63	6.72	6.72	46.47	230.4	376.95	376.95	14236.02	-13859.07
335+00	10.84	26.79	26.79	42.37	218.8	403.74	403.74	14454.82	-14051.08
336+00	29.05	73.87	73.87	32.52	184.45	477.61	477.61	14639.26	-14161.66
337+00	42.89	133.22	133.22	29.02	151.58	610.83	610.83	14790.85	-14180.02
338+00	56.09	183.29	183.29	15.73	110.24	794.12	794.12	14901.09	-14106.96
339+00	69	231.65	231.65	1.68	42.88	1025.77	1025.77	14943.96	-13918.19
340+00	78.76	273.62	273.62	0.11	4.4	1299.39	1299.39	14948.36	-13648.97
341+00	87.69	308.24	308.24	0	0.27	1607.63	1607.63	14948.63	-13341.01
342+00	99.46	346.58	346.58	0	0	1954.21	1954.21	14948.63	-12994.43
343+00	92.6	355.66	355.66	0.03	0.07	2309.86	2309.86	14948.71	-12638.84
344+00	82.56	324.36	324.36	0.18	0.52	2634.23	2634.23	14949.22	-12315
345+00	94.22	327.37	327.37	0	0.45	2961.59	2961.59	14949.67	-11988.08
346+00	100.41	360.42	360.42	0	0	3322.02	3322.02	14949.67	-11627.65
347+00	106.34	382.87	382.87	0	0	3704.89	3704.89	14949.67	-11244.78
348+00	101.4	384.7	384.7	0	0	4089.59	4089.59	14949.67	-10860.08
349+00	95.07	363.83	363.83	0	0	4453.42	4453.42	14949.67	-10496.25
350+00	95.7	353.29	353.29	0	0	4806.71	4806.71	14949.67	-10142.96
351+00	88.52	341.16	341.16	0.17	0.41	5147.86	5147.86	14950.08	-9802.22
352+00	82.28	316.29	316.29	0.98	2.82	5464.15	5464.15	14952.9	-9488.74
353+00	76.65	294.31	294.31	20.35	52.52	5758.46	5758.46	15005.42	-9246.96
354+00	86.55	302.22	302.22	11.25	77.82	6060.68	6060.68	15083.24	-9022.55
355+00	90.44	327.75	327.75	0	27.7	6388.43	6388.43	15110.94	-8722.51
356+00	90.49	335.05	335.05	0	0	6723.48	6723.48	15110.94	-8387.46
357+00	88.83	332.07	332.07	0	0	7055.55	7055.55	15110.94	-8055.39
358+00	85.27	322.41	322.41	0	0	7377.96	7377.96	15110.94	-7732.98
359+00	83.78	313.06	313.06	0.9	2.22	7691.02	7691.02	15113.16	-7422.14
360+00	76.55	296.91	296.91	1.95	7.02	7987.93	7987.93	15120.17	-7132.24
361+00	70.35	272.04	272.04	0.24	5.38	8259.97	8259.97	15125.56	-6865.59
362+00	66.42	253.28	253.28	0.23	1.16	8513.25	8513.25	15126.72	-6613.47
363+00	69.31	251.36	251.36	0.05	0.69	8764.61	8764.61	15127.41	-6362.8
364+00	70.38	258.69	258.69	0.05	0.25	9023.3	9023.3	15127.65	-6104.35
365+00	68.85	257.84	257.84	0.6	1.61	9281.15	9281.15	15129.26	-5848.12
366+00	80.84	304.2	304.2	0.18	2.12	9585.35	9585.35	15131.38	-5546.03
367+00	86.75	310.34	310.34	0.01	0.49	9895.69	9895.69	15131.87	-5236.18
368+00	89.81	326.95	326.95	0	0.03	10222.64	10222.64	15131.9	-4909.26
369+00	89.43	331.92	331.92	0	0	10554.57	10554.57	15131.9	-4577.34
370+00	89.52	331.4	331.4	0	0	10885.97	10885.97	15131.9	-4245.94
371+00	93.88	339.64	339.64	0	0	11225.61	11225.61	15131.9	-3906.29
372+00	95.59	350.87	350.87	0	0	11576.48	11576.48	15131.9	-3555.42
373+00	96.27	355.29	355.29	0	0	11931.77	11931.77	15131.9	-3200.13
374+00	84.81	335.32	335.32	0	0	12267.09	12267.09	15131.9	-2864.81
375+00	75.07	296.06	296.06	0	0	12563.15	12563.15	15131.9	-2568.75
376+00	66.89	262.89	262.89	0	0	12826.05	12826.05	15131.9	-2305.86
377+00	54.17	224.2	224.2	1.09	2.69	13050.24	13050.24	15134.59	-2084.35
378+00	39.69	173.81	173.81	3.35	10.94	13224.05	13224.05	15145.53	-1921.47
379+00	24.94	119.67	119.67	7.41	26.49	13343.73	13343.73	15172.02	-1828.29

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Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
380+00	7.38	59.84	59.84	20.55	68.84	13403.57	13403.57	15240.86	-1837.29
381+00	0.22	14.08	14.08	66.82	215.19	13417.65	13417.65	15456.05	-2038.4
382+00	0	0.42	0.42	93.52	394.91	13418.06	13418.06	15850.96	-2432.89
383+00	0	0	0	100.6	478.1	13418.06	13418.06	16329.05	-2910.99
384+00	0	0	0	168.98	663.96	13418.06	13418.06	16993.01	-3574.95
385+00	0	0	0	197.01	901.43	13418.06	13418.06	17894.45	-4476.38
386+00	0	0	0	210.73	1004.27	13418.07	13418.07	18898.72	-5480.64
387+00	0	0	0	206.33	1027.2	13418.08	13418.08	19925.92	-6507.84
388+00	0	0	0	219.63	1049.12	13418.08	13418.08	20975.04	-7556.96
389+00	0	0	0	210.34	1059.02	13418.08	13418.08	22034.06	-8615.98
390+00	0	0	0	191.95	990.84	13418.08	13418.08	23024.9	-9606.82
391+00	0	0	0	203.96	975.11	13418.08	13418.08	24000.01	-10581.93
391+35	0	0	0	195.29	346.06	13418.08	13418.08	24346.08	-10927.99

STAGE 3

Alignment: IH 94 WB Ref Line

Start Sta: 392+93

End Sta: 482+92

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
392+93	0.2	0	0	194.46	0	0	0	0	0
394+00	0	0.41	0.41	175.1	974.12	0.41	0.41	974.12	-973.72
395+00	0	0	0	177.6	868.68	0.41	0.41	1842.81	-1842.4
395+02	0	0	0	177.53	19.44	0.41	0.41	1862.25	-1861.84
395+27	0	0	0	182.71	221.25	0.41	0.41	2083.5	-2083.09
395+52	0	0	0	182.02	225.16	0.41	0.41	2308.65	-2308.25
396+00	0	0	0	180.64	426.76	0.41	0.41	2735.41	-2735.01
397+00	0	0	0	152.99	821.71	0.41	0.41	3557.13	-3556.72
398+00	0	0	0	145.16	734.32	0.41	0.41	4291.44	-4291.04
399+00	0	0	0	128.91	675.01	0.41	0.41	4966.46	-4966.05
400+00	0	0	0	109.24	586.55	0.41	0.41	5553.01	-5552.6
401+00	0	0	0	86.81	482.85	0.41	0.41	6035.86	-6035.46
402+00	0	0	0	82.38	416.71	0.41	0.41	6452.57	-6452.16
403+00	0	0	0	83.04	407.43	0.41	0.41	6860	-6859.59
404+00	35.3	65.36	65.36	76.76	393.59	65.77	65.77	7253.59	-7187.82
405+00	7.78	79.77	79.77	59.82	336.4	145.54	145.54	7589.99	-7444.45
406+00	21.28	53.81	53.81	41.94	250.63	199.35	199.35	7840.62	-7641.27
407+00	26.14	87.82	87.82	39.61	200.86	287.17	287.17	8041.48	-7754.31
408+00	35.98	115.04	115.04	12.88	129.29	402.21	402.21	8170.76	-7768.55
409+00	47.82	155.19	155.19	2.35	37.51	557.4	557.4	8208.27	-7650.87
410+00	64.82	208.6	208.6	0	5.78	765.99	765.99	8214.05	-7448.06
411+00	73.62	256.39	256.39	0	0	1022.38	1022.38	8214.05	-7191.67
412+00	74.95	275.14	275.14	0	0	1297.53	1297.53	8214.05	-6916.53
413+00	82.94	292.4	292.4	0	0	1589.93	1589.93	8214.05	-6624.13
414+00	82.65	306.66	306.66	0	0	1896.59	1896.59	8214.05	-6317.46
415+00	90.96	321.5	321.5	0	0	2218.09	2218.09	8214.05	-5995.96
416+00	84.69	325.28	325.28	0	0	2543.37	2543.37	8214.05	-5670.69
417+00	78.91	302.97	302.97	0	0	2846.34	2846.34	8214.05	-5367.71
418+00	74.67	284.4	284.4	0	0	3130.74	3130.74	8214.05	-5083.31
419+00	72.69	272.87	272.87	0	0	3403.61	3403.61	8214.05	-4810.44
420+00	67.02	258.71	258.71	0	0	3662.32	3662.32	8214.05	-4551.73
421+00	79.81	271.9	271.9	0	0	3934.22	3934.22	8214.05	-4279.83
422+00	99.62	332.27	332.27	0	0	4266.49	4266.49	8214.05	-3947.56
423+00	101.06	371.63	371.63	0	0	4638.12	4638.12	8214.05	-3575.93
424+00	92.26	358.01	358.01	0	0	4996.13	4996.13	8214.05	-3217.92
425+00	85.94	329.99	329.99	0	0	5326.12	5326.12	8214.05	-2887.93
426+00	89.67	325.2	325.2	0	0	5651.32	5651.32	8214.05	-2562.73
427+00	99.18	349.72	349.72	0	0	6001.04	6001.04	8214.06	-2213.02
428+00	107.06	381.93	381.93	0	0	6382.96	6382.96	8214.06	-1831.1
429+00	100.39	384.18	384.18	0.16	0.4	6767.14	6767.14	8214.47	-1447.32
430+00	82.85	339.33	339.33	0.32	1.19	7106.48	7106.48	8215.66	-1109.18
431+00	91.27	322.43	322.43	0	0.78	7428.91	7428.91	8216.44	-787.53
432+00	90.19	336.02	336.02	0	0	7764.93	7764.93	8216.44	-451.51
433+00	91.29	336.06	336.06	0	0	8100.99	8100.99	8216.44	-115.45
434+00	99.83	353.91	353.91	0	0	8454.9	8454.9	8216.44	238.46

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Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
435+00	96.16	362.94	362.94	0	0	8817.84	8817.84	8216.44	601.4
435+53	98.03	190.96	190.96	0	0	9008.8	9008.8	8216.44	792.36
435+78	96.42	90.03	90.03	0.27	0.17	9098.82	9098.82	8216.6	882.22
436+00	95.93	78.01	78.01	3.45	2.01	9176.83	9176.83	8218.61	958.22
436+03	95.78	11.01	11.01	3.84	0.56	9187.83	9187.83	8219.17	968.67
437+00	93.12	338.98	338.98	0	9.17	9526.81	9526.81	8228.34	1298.47
438+00	90.7	340.42	340.42	6.44	15.86	9867.24	9867.24	8244.2	1623.04
439+00	82.51	320.76	320.76	11.29	43.67	10188	10188	8287.87	1900.13
440+00	83.01	306.51	306.51	0	27.82	10494.51	10494.51	8315.69	2178.82
441+00	79.72	301.35	301.35	0.15	0.37	10795.86	10795.86	8316.06	2479.8
442+00	88.06	310.7	310.7	0	0.38	11106.56	11106.56	8316.44	2790.12
443+00	89.58	328.96	328.96	0	0.02	11435.52	11435.52	8316.46	3119.06
444+00	92.82	337.77	337.77	0	0	11773.29	11773.29	8316.46	3456.83
444+83	91.88	284.74	284.74	3.16	6.47	12058.03	12058.03	8322.93	3735.09
445+00	91.35	56.84	56.84	0.5	1.51	12114.87	12114.87	8324.44	3790.42
446+00	92.04	339.61	339.61	0	1.24	12454.47	12454.47	8325.68	4128.79
447+00	85.56	328.88	328.88	3.63	8.95	12783.36	12783.36	8334.63	4448.72
448+00	81.11	308.64	308.64	3.39	17.31	13092	13092	8351.94	4740.06
449+00	84.54	306.76	306.76	8.41	29.08	13398.76	13398.76	8381.01	5017.75
449+28	97.39	94.67	94.67	6.5	10.32	13493.43	13493.43	8391.34	5102.1
449+53	98.19	90.55	90.55	7.01	8.32	13583.98	13583.98	8399.66	5184.32
449+78	99.43	91.49	91.49	5.84	7.91	13675.47	13675.47	8407.57	5267.9
450+00	100.29	81	81	4.67	5.67	13756.47	13756.47	8413.24	5343.23
451+00	107.34	384.5	384.5	0	11.51	14140.97	14140.97	8424.75	5716.22
452+00	102.85	389.24	389.24	0	0	14530.21	14530.21	8424.75	6105.46
453+00	96.21	368.64	368.64	7.44	18.32	14898.85	14898.85	8443.06	6455.78
454+00	95.4	354.84	354.84	1.04	20.88	15253.69	15253.69	8463.95	6789.74
455+00	97.01	356.32	356.32	14.71	38.79	15610.01	15610.01	8502.73	7107.28
456+00	94.69	355.01	355.01	8.63	57.49	15965.02	15965.02	8560.22	7404.8
457+00	92.78	347.16	347.16	126.57	333	16312.19	16312.19	8893.22	7418.97
458+00	83.93	327.23	327.23	74.52	495.28	16639.41	16639.41	9388.49	7250.92
459+00	92.61	326.91	326.91	78.54	376.98	16966.33	16966.33	9765.47	7200.85
459+03	92.58	10.63	10.63	80.08	12.11	16976.96	16976.96	9777.58	7199.37
459+28	93.76	86.27	86.27	83.03	100.44	17063.23	17063.23	9878.02	7185.21
459+53	97.64	88.61	88.61	83.16	102.33	17151.83	17151.83	9980.35	7171.49
460+00	160.38	224.09	224.09	77.41	185.47	17375.93	17375.93	10165.82	7210.1
461+00	139.93	556.12	556.12	16.11	230.33	17932.04	17932.04	10396.15	7535.9
462+00	149.14	535.3	535.3	0.57	41.08	18467.35	18467.35	10437.22	8030.12
463+00	193.84	635.15	635.15	0	1.4	19102.5	19102.5	10438.62	8663.87
464+00	220.18	766.71	766.71	0	0	19869.21	19869.21	10438.62	9430.59
465+00	201.57	781.02	781.02	0	0	20650.23	20650.23	10438.62	10211.61
466+00	188.53	722.4	722.4	0.87	2.14	21372.63	21372.63	10440.76	10931.87
467+00	181.22	684.72	684.72	0.29	2.86	22057.34	22057.34	10443.62	11613.73
468+00	170.17	650.71	650.71	4.75	12.41	22708.06	22708.06	10456.02	12252.03
469+00	203.52	692.02	692.02	5.26	24.64	23400.08	23400.08	10480.66	12919.42
470+00	285.72	906.02	906.02	0.05	13.08	24306.1	24306.1	10493.74	13812.36
471+00	307.23	1098.06	1098.06	0	0.13	25404.15	25404.15	10493.88	14910.28
472+00	304.95	1133.67	1133.67	0	0	26537.82	26537.82	10493.88	16043.94
473+00	78.7	710.47	710.47	0	0	27248.29	27248.29	10493.88	16754.42
474+00	61.36	232.9	232.9	0	0	27481.19	27481.19	10493.88	16987.32
475+00	48.08	202.67	202.67	0.06	0.15	27683.86	27683.86	10494.03	17189.84
476+00	30.02	144.63	144.63	0.03	0.22	27828.49	27828.49	10494.25	17334.24
477+00	46.09	140.93	140.93	9.75	24.07	27969.42	27969.42	10518.32	17451.11
478+00	40.51	160.38	160.38	22.92	80.46	28129.8	28129.8	10598.78	17531.02
479+00	39.87	148.86	148.86	101.95	307.55	28278.66	28278.66	10906.33	17372.33
480+00	42.06	151.73	151.73	201.58	747.58	28430.38	28430.38	11653.91	16776.47
481+00	31.86	136.9	136.9	320.84	1286.71	28567.28	28567.28	12940.62	15626.66
482+00	25.77	106.72	106.72	449.6	1897.56	28674.01	28674.01	14838.18	13835.82
482+92	21.25	79.68	79.68	379.4	1868.3	28753.68	28753.68	16706.48	12047.2

STAGE 3

Alignment: IH 94 WB Ref Line

Start Sta: 484+80

End Sta: 569+25

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
484+80	15.76	0	0	221.11	0	0	0	0	0
485+00	14.19	11.09	11.09	194.59	204.77	11.09	11.09	204.77	-193.68
486+00	21.18	65.51	65.51	99.12	723.41	76.6	76.6	928.18	-851.58
487+00	18.87	74.17	74.17	64.92	404.03	150.77	150.77	1332.21	-1181.43
488+00	20.62	73.14	73.14	70.6	333.76	223.91	223.91	1665.97	-1442.06
489+00	21.37	77.77	77.77	56.13	312.12	301.68	301.68	1978.09	-1676.41
490+00	20.97	78.41	78.41	31.58	216.02	380.09	380.09	2194.11	-1814.02
491+00	16.22	68.87	68.87	8.07	97.64	448.95	448.95	2291.75	-1842.79
492+00	18.73	64.72	64.72	3.52	28.54	513.67	513.67	2320.29	-1806.62
493+00	16.16	64.61	64.61	3.69	17.77	578.28	578.28	2338.06	-1759.78
494+00	20.74	68.34	68.34	4.42	19.97	646.62	646.62	2358.04	-1711.42
495+00	16.48	68.92	68.92	1.85	15.43	715.54	715.54	2373.46	-1657.92
496+00	20.15	67.84	67.84	3.24	12.54	783.38	783.38	2386	-1602.62
497+00	22.25	78.52	78.52	0	7.98	861.9	861.9	2393.98	-1532.08
498+00	22.32	82.53	82.53	0	0	944.43	944.43	2393.98	-1449.55
499+00	147.83	315.08	315.08	24.05	59.23	1259.51	1259.51	2453.21	-1193.7
500+00	111.12	479.54	479.54	31.48	136.75	1739.05	1739.05	2589.96	-850.91
501+00	34.52	269.7	269.7	29.47	150.11	2008.75	2008.75	2740.07	-731.32
502+00	36.21	130.98	130.98	12.81	104.13	2139.73	2139.73	2844.21	-704.47
502+02	36.34	2.38	2.38	12.02	1.08	2142.12	2142.12	2845.29	-703.18
503+00	42.64	143.66	143.66	16.46	68.89	2285.78	2285.78	2914.18	-628.4
504+00	44.74	161.82	161.82	13.43	73.61	2447.59	2447.59	2987.79	-540.19
505+00	39.05	155.17	155.17	12.4	63.61	2602.76	2602.76	3051.4	-448.64
506+00	44.01	153.8	153.8	2.88	37.62	2756.56	2756.56	3089.02	-332.46
507+00	46.27	167.18	167.18	1.06	9.69	2923.74	2923.74	3098.71	-174.97
508+00	49.96	178.21	178.21	0.12	2.9	3101.95	3101.95	3101.61	0.34
509+00	53.55	191.7	191.7	0.97	2.7	3293.65	3293.65	3104.31	189.35
510+00	64.43	218.48	218.48	0.52	3.67	3512.14	3512.14	3107.98	404.16
511+00	75.8	259.68	259.68	2.17	6.62	3771.82	3771.82	3114.6	657.22
512+00	88.1	303.52	303.52	2.46	11.41	4075.34	4075.34	3126.01	949.33
513+00	99.53	347.47	347.47	51.7	133.41	4422.8	4422.8	3259.42	1163.39
514+00	108.28	384.83	384.83	50.57	251.89	4807.64	4807.64	3511.3	1296.33
515+00	116.79	416.8	416.8	13.23	157.14	5224.43	5224.43	3668.44	1555.99
516+00	121.09	471.58	471.58	0.1	35.16	5696.01	5696.01	3703.6	1992.41
517+00	130.81	466.47	466.47	0.01	0.28	6162.47	6162.47	3703.88	2458.59
518+00	105.2	437.05	437.05	2.33	5.78	6599.53	6599.53	3709.66	2889.87
519+00	85.7	353.52	353.52	46.1	119.3	6953.05	6953.05	3828.96	3124.08
519+54	79.3	164.46	164.46	157.41	269.79	7117.51	7117.51	4098.75	3018.76
520+00	70.94	128.48	128.48	14.2	195.17	7245.99	7245.99	4293.93	2952.06
521+00	54.83	232.92	232.92	8.38	55.62	7478.91	7478.91	4349.55	3129.36
522+00	46.26	187.21	187.21	4.71	32.24	7666.12	7666.12	4381.78	3284.34
523+00	43.98	167.11	167.11	4.18	21.89	7833.24	7833.24	4403.67	3429.57
524+00	45.6	165.89	165.89	4.43	21.21	7999.13	7999.13	4424.87	3574.26
525+00	39.32	157.27	157.27	6.41	26.71	8156.4	8156.4	4451.58	3704.82
526+00	45.05	156.25	156.25	12.15	45.73	8312.65	8312.65	4497.31	3815.34
527+00	60.46	195.39	195.39	7.79	49.13	8508.04	8508.04	4546.44	3961.59
528+00	75.43	251.63	251.63	46.38	133.44	8759.67	8759.67	4679.88	4079.78
529+00	78.96	285.9	285.9	0.95	116.58	9045.57	9045.57	4796.46	4249.11
530+00	77.24	289.26	289.26	1.7	6.53	9334.83	9334.83	4802.99	4531.83
531+00	73.91	279.9	279.9	4.69	15.74	9614.73	9614.73	4818.74	4795.99
532+00	73.09	272.22	272.22	4.45	22.5	9886.95	9886.95	4841.24	5045.71
533+00	67.65	260.62	260.62	132.57	337.46	10147.57	10147.57	5178.69	4968.87
533+50	64.02	121.92	121.92	82.92	265.37	10269.48	10269.48	5444.06	4825.42
534+00	58.23	113.2	113.2	41.01	152.62	10382.68	10382.68	5596.68	4786
535+00	59.13	217.33	217.33	11.45	129.21	10600.01	10600.01	5725.89	4874.13
535+03	58.95	6.78	6.78	11.43	1.75	10606.79	10606.79	5727.63	4879.16
535+28	60.2	55.16	55.16	14.11	15.73	10661.95	10661.95	5743.36	4918.59
535+53	61.13	56.17	56.17	21.72	22.06	10718.12	10718.12	5765.43	4952.7
536+00	61.56	106.56	106.56	4.18	29.92	10824.68	10824.68	5795.35	5029.34
537+00	73.13	249.43	249.43	5.08	22.79	11074.12	11074.12	5818.14	5255.98
538+00	81.41	286.18	286.18	4.3	23.1	11360.3	11360.3	5841.24	5519.06
539+00	84.89	307.96	307.96	3.66	19.62	11668.26	11668.26	5860.86	5807.39

~CONTINUE~

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
540+00	86.69	317.73	317.73	8.5	29.95	11985.99	11985.99	5890.81	6095.17
541+00	85.01	317.96	317.96	12.25	51.1	12303.95	12303.95	5941.92	6362.03
541+90	84.68	282.52	282.52	0.55	28.36	12586.47	12586.47	5970.28	6616.19
542+00	83.05	31.36	31.36	0.79	0.33	12617.82	12617.82	5970.61	6647.21
543+00	79.75	301.49	301.49	1.05	4.54	12919.31	12919.31	5975.15	6944.17
544+00	74.36	285.4	285.4	1.52	6.34	13204.72	13204.72	5981.49	7223.23
545+00	74.72	276.09	276.09	1.54	7.55	13480.81	13480.81	5989.04	7491.77
546+00	66.66	261.82	261.82	1.75	8.11	13742.63	13742.63	5997.15	7745.48
547+00	75.06	262.44	262.44	2.14	9.57	14005.07	14005.07	6006.72	7998.35
548+00	83.27	293.19	293.19	0.5	6.51	14298.26	14298.26	6013.23	8285.04
549+00	88.93	318.89	318.89	0.25	1.86	14617.15	14617.15	6015.08	8602.07
550+00	97.28	344.83	344.83	0	0.62	14961.98	14961.98	6015.7	8946.28
551+00	90.08	346.95	346.95	0	0	15308.94	15308.94	6015.7	9293.23
552+00	74.42	304.63	304.63	9.29	22.89	15613.57	15613.57	6038.59	9574.98
552+07	71.72	19.33	19.33	22.77	5.64	15632.9	15632.9	6044.23	9588.67
552+94	60.59	212.8	212.8	166.38	404.61	15845.7	15845.7	6448.84	9396.86
553+00	58.9	13.29	13.29	139.48	45.26	15858.99	15858.99	6494.1	9364.89
554+00	34.24	159.44	159.44	22.62	369.04	16018.44	16018.44	6863.14	9155.29
555+00	32.22	123.08	123.08	25.6	118.78	16141.51	16141.51	6981.92	9159.59
556+00	80.32	208.4	208.4	29.1	134.75	16349.91	16349.91	7116.67	9233.24
556+78	64.2	209.01	209.01	26.81	107.55	16558.92	16558.92	7224.22	9334.7
557+00	69.43	54.19	54.19	27.09	29.07	16613.12	16613.12	7253.3	9359.82
557+03	68.94	7.94	7.94	26.92	4.12	16621.06	16621.06	7257.42	9363.64
557+28	72.69	65.57	65.57	28.06	33.86	16686.63	16686.63	7291.28	9395.35
558+00	89.31	215.7	215.7	21.06	86.99	16902.33	16902.33	7378.27	9524.06
559+00	34.01	228.37	228.37	4.94	64.04	17130.7	17130.7	7442.3	9688.4
560+00	43.74	143.98	143.98	3.56	20.93	17274.68	17274.68	7463.24	9811.45
560+73	52.31	130.71	130.71	62.99	120.46	17405.4	17405.4	7583.69	9821.7
561+00	47.7	49.11	49.11	61.84	81.52	17454.5	17454.5	7665.21	9789.29
562+00	55.81	191.67	191.67	95.3	387.04	17646.18	17646.18	8052.25	9593.93
563+00	64.63	223.03	223.03	2.54	240.99	17869.21	17869.21	8293.24	9575.98
564+00	69.66	248.69	248.69	0.8	8.22	18117.9	18117.9	8301.46	9816.45
565+00	80.39	277.88	277.88	115.57	286.62	18395.78	18395.78	8588.07	9807.71
566+00	84.1	304.62	304.62	1.47	288.28	18700.4	18700.4	8876.35	9824.05
567+00	68.62	282.81	282.81	0	3.63	18983.21	18983.21	8879.98	10103.23
568+00	72.1	260.59	260.59	7.4	18.22	19243.8	19243.8	8898.2	10345.6
569+00	53.95	233.43	233.43	10.99	45.28	19477.23	19477.23	8943.48	10533.75
569+25	49.59	47.94	47.94	6.32	10.66	19525.17	19525.17	8954.14	10571.03

STAGE 3

Alignment: Ramp 128 C

Start Sta: 268+50

End Sta: 275+45

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
268+50	8.04	0	0	0	0	0	0	0	0
269+00	20.59	26.8	26.8	0	0	26.8	26.8	0	26.8
269+50	38.67	54.64	54.64	0	0	81.43	81.43	0	81.43
269+80	63.18	55.98	55.98	0	0	137.41	137.41	0	137.41
270+00	60.82	46.66	46.66	0	0	184.07	184.07	0	184.07
270+21	65.13	49.94	49.94	0	0	234.01	234.01	0	234.01
270+50	75.99	74.71	74.71	0	0	308.72	308.72	0	308.72
271+00	97.31	160.46	160.46	2.02	2.48	469.18	469.18	2.48	466.7
271+50	81.97	166	166	0	2.48	635.18	635.18	4.97	630.21
272+00	57.19	128.85	128.85	0	0	764.03	764.03	4.97	759.06
272+50	44.62	94.27	94.27	0	0	858.3	858.3	4.97	853.33
273+00	70.36	106.47	106.47	0	0	964.77	964.77	4.97	959.8
273+50	59.14	119.91	119.91	0	0	1084.67	1084.67	4.97	1079.71
274+00	44.7	96.16	96.16	0	0	1180.83	1180.83	4.97	1175.86
274+50	38.59	77.12	77.12	0	0	1257.95	1257.95	4.97	1252.98
275+00	37.67	70.61	70.61	0	0	1328.56	1328.56	4.97	1323.59
275+45	29.64	56.58	56.58	0.2	0.22	1385.14	1385.14	5.19	1379.95

STAGE 3

Alignment: NW Ramp Ref Line
Start Sta: 473+47
End Sta: 483+00

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
473+47	109.33	0	0	5.45	0	0	0	0	0
473+50	107.29	10.15	10.15	5.37	0.67	10.15	10.15	0.67	9.47
474+00	70.47	164.59	164.59	6.88	15.08	174.74	174.74	15.75	158.99
474+50	41.73	103.89	103.89	18.38	31.11	278.62	278.62	46.86	231.76
475+00	37.15	73.04	73.04	14.54	40.54	351.66	351.66	87.4	264.26
475+50	33.63	65.53	65.53	3.75	22.52	417.19	417.19	109.92	307.27
476+00	27.76	56.84	56.84	4.24	9.84	474.04	474.04	119.76	354.28
476+50	10.48	35.41	35.41	5.53	12.04	509.45	509.45	131.8	377.65
477+00	13.24	21.96	21.96	4.38	12.21	531.41	531.41	144.01	387.4
477+50	30.15	40.17	40.17	12.77	21.12	571.58	571.58	165.13	406.45
478+00	41.27	66.13	66.13	3.03	19.45	637.71	637.71	184.58	453.13
478+50	48.99	83.58	83.58	2.22	6.47	721.29	721.29	191.05	530.25
479+00	59.8	100.74	100.74	2.45	5.76	822.03	822.03	196.8	625.23
479+50	58.05	109.12	109.12	2.68	6.32	931.15	931.15	203.12	728.03
480+00	53.53	103.31	103.31	4.1	8.34	1034.46	1034.46	211.47	823
480+50	53.24	98.86	98.86	6.05	12.5	1133.33	1133.33	223.96	909.36
481+00	48.34	94.06	94.06	2.83	10.93	1227.38	1227.38	234.9	992.49
481+50	55.24	95.91	95.91	1.96	5.89	1323.3	1323.3	240.79	1082.51
482+00	58.04	104.89	104.89	4.59	8.06	1428.19	1428.19	248.85	1179.33
482+50	59.21	108.57	108.57	17.53	27.24	1536.75	1536.75	276.09	1260.66
483+00	58.2	108.72	108.72	16.41	41.81	1645.47	1645.47	317.9	1327.57

STAGE 3

Alignment: NE Ramp Ref Line
Start Sta: 484+00
End Sta: 498+50

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
484+00	73.4	0	0	5.81	0	0	0	0	0
484+00	73.4	0	0	5.79	0	0	0	0	0
484+50	76.6	138.89	138.89	7.21	16.01	138.89	138.89	16.02	122.88
485+00	80.58	145.53	145.53	0	8.88	284.43	284.43	24.9	259.53
485+50	86.07	154.3	154.3	0	0	438.73	438.73	24.9	413.83
486+00	83.2	156.73	156.73	0	0	595.46	595.46	24.9	570.56
486+50	83.41	154.27	154.27	0	0	749.72	749.72	24.9	724.82
487+00	148.35	214.6	214.6	3.93	4.84	964.32	964.32	29.74	934.58
487+50	234.33	354.34	354.34	28.46	39.89	1318.65	1318.65	69.63	1249.02
488+00	307.39	501.59	501.59	30.54	72.66	1820.25	1820.25	142.29	1677.96
488+50	355.22	613.53	613.53	30	74.56	2433.77	2433.77	216.85	2216.93
489+00	361.67	663.79	663.79	30.22	74.17	3097.56	3097.56	291.01	2806.55
489+50	370.78	678.19	678.19	35.83	81.35	3775.75	3775.75	372.36	3403.39
490+00	374.56	690.13	690.13	41.92	95.75	4465.88	4465.88	468.11	3997.77
490+50	384.12	702.48	702.48	44.41	106.31	5168.36	5168.36	574.42	4593.94
491+00	346.8	676.78	676.78	38.35	101.92	5845.14	5845.14	676.34	5168.8
491+50	321.45	618.75	618.75	47.66	105.92	6463.89	6463.89	782.26	5681.64
492+00	319.04	593.05	593.05	54.2	125.44	7056.94	7056.94	907.7	6149.24
492+50	301.96	575	575	53.38	132.49	7631.94	7631.94	1040.19	6591.74
493+00	266.55	526.4	526.4	53.03	131.05	8158.34	8158.34	1171.24	6987.1
493+50	223.46	453.71	453.71	50.95	128.05	8612.05	8612.05	1299.29	7312.76
494+00	180.63	374.15	374.15	51.01	125.57	8986.2	8986.2	1424.86	7561.34
494+50	170.5	325.11	325.11	41.86	114.37	9311.31	9311.31	1539.23	7772.08
495+00	131.02	279.19	279.19	38.39	98.82	9590.5	9590.5	1638.05	7952.45
495+50	118.2	230.76	230.76	30.44	84.76	9821.26	9821.26	1722.81	8098.45
496+00	114.74	215.68	215.68	24.78	68.01	10036.94	10036.94	1790.82	8246.13
496+50	117.21	214.77	214.77	23.17	59.05	10251.71	10251.71	1849.87	8401.84
497+00	117.4	217.23	217.23	19.66	52.75	10468.94	10468.94	1902.61	8566.33
497+50	126.15	225.51	225.51	18.7	47.24	10694.45	10694.45	1949.85	8744.6
498+00	141.92	248.22	248.22	17.98	45.17	10942.67	10942.67	1995.02	8947.65
498+50	150.95	271.18	271.18	20.87	47.84	11213.85	11213.85	2042.86	9170.99

STAGE 3

Alignment: CTH Q
Start Sta: 12+00
End Sta: 16+21

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
12+00	982.28	0	0	18.69	0	0	0	0	0
12+50	781.62	1633.25	1633.25	0.02	23.03	1633.25	1633.25	23.03	1610.21
13+00	207.41	915.77	915.77	0	0.02	2549.02	2549.02	23.05	2525.96
13+50	126.68	309.34	309.34	0	0	2858.36	2858.36	23.05	2835.3
14+00	109.59	218.77	218.77	0	0	3077.12	3077.12	23.05	3054.07
14+50	54.43	151.87	151.87	0	0	3228.99	3228.99	23.05	3205.94
15+00	52.42	98.93	98.93	0	0	3327.92	3327.92	23.05	3304.87
15+50	99.21	140.4	140.4	0	0	3468.32	3468.32	23.05	3445.27
16+00	81.12	166.97	166.97	0.46	0.57	3635.29	3635.29	23.62	3611.67
16+21	75.79	60.81	60.81	0.02	0.25	3696.1	3696.1	23.87	3672.23

STAGE 4

Alignment: west-Stage-5-EB-centerline
Start Sta: 5+12
End Sta: 15+35

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
5+12	38.52	0	0	0	0	0	0	0	0
6+00	60.08	160.25	160.25	0	0	160.25	160.25	0	160.25
7+00	66.39	234.2	234.2	0	0	394.45	394.45	0	394.45
8+00	57.38	229.19	229.19	5.5	13.55	623.63	623.63	13.55	610.08
9+00	67.97	232.12	232.12	1.61	17.51	855.75	855.75	31.06	824.69
10+00	77.5	269.38	269.38	0.59	5.42	1125.13	1125.13	36.48	1088.65
11+00	80.08	291.81	291.81	0	1.45	1416.94	1416.94	37.93	1379.01
12+00	58.15	255.98	255.98	0.01	0.03	1672.92	1672.92	37.96	1634.96
13+00	47.64	195.92	195.92	3.96	9.78	1868.84	1868.84	47.74	1821.1
14+00	49.4	179.71	179.71	11.31	37.6	2048.55	2048.55	85.34	1963.21
15+00	49.19	182.58	182.58	14.56	63.72	2231.13	2231.13	149.05	2082.08
15+35	40.17	58.12	58.12	14.36	25.01	2289.25	2289.25	174.07	2115.18

STAGE 4

Alignment: Alignment - IH 94 WB existing
Start Sta: 220+34
End Sta: 256+50

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
220+34	40.18	0	0	14.36	0	0	0	0	0
221+00	33.73	90.9	90.9	13.7	45.89	90.9	90.9	45.89	45.01
222+00	21.57	102.4	102.4	16.11	73.43	193.3	193.3	119.32	73.97
223+00	23.71	83.85	83.85	13.54	73.04	277.15	277.15	192.37	84.78
224+00	21.24	83.24	83.24	15.57	71.7	360.39	360.39	264.07	96.32
225+00	17.34	71.44	71.44	17.27	80.88	431.83	431.83	344.94	86.89
226+00	20.37	69.83	69.83	15.72	81.23	501.66	501.66	426.18	75.48
227+00	13.02	61.83	61.83	13.55	72.09	563.49	563.49	498.27	65.23
228+00	13.27	48.7	48.7	12.68	64.61	612.19	612.19	562.88	49.31
229+00	13.05	48.75	48.75	11.82	60.34	660.94	660.94	623.22	37.72
230+00	18.5	58.44	58.44	12.04	58.75	719.38	719.38	681.97	37.41
231+00	14.74	61.56	61.56	14.47	65.27	780.94	780.94	747.24	33.7
232+00	19.15	62.75	62.75	14.11	70.37	843.69	843.69	817.61	26.08
233+00	20.91	74.18	74.18	14.52	70.5	917.87	917.87	888.11	29.76
234+00	27.18	89.06	89.06	14.48	71.42	1006.94	1006.94	959.53	47.4
235+00	21.82	90.74	90.74	17.21	78.06	1097.68	1097.68	1037.59	60.09
236+00	26.27	89.05	89.05	15.66	80.96	1186.73	1186.73	1118.55	68.17
237+00	30.1	104.38	104.38	15.11	75.78	1291.11	1291.11	1194.34	96.77
238+00	29.88	111.07	111.07	15.22	74.7	1402.18	1402.18	1269.04	133.15
239+00	29.69	110.31	110.31	15.39	75.38	1512.49	1512.49	1344.42	168.07
240+00	24.16	99.72	99.72	18.18	82.67	1612.21	1612.21	1427.09	185.12
241+00	26.81	94.39	94.39	16.73	85.98	1706.6	1706.6	1513.07	193.53
242+00	32.31	109.48	109.48	14.47	76.86	1816.08	1816.08	1589.93	226.16
243+00	20.55	97.89	97.89	16.06	75.2	1913.97	1913.97	1665.13	248.84
244+00	20.61	76.22	76.22	15.87	78.64	1990.19	1990.19	1743.76	246.43
245+00	16.64	68.98	68.98	16.96	80.85	2059.17	2059.17	1824.62	234.55
246+00	25.09	77.27	77.27	17.75	85.5	2136.45	2136.45	1910.12	226.33
247+00	23.85	90.62	90.62	18.93	90.37	2227.07	2227.07	2000.49	226.58
248+00	20.72	82.53	82.53	20.96	98.26	2309.6	2309.6	2098.75	210.85
249+00	24	77.87	77.87	18.66	91.76	2387.47	2387.47	2190.51	196.96
250+00	24.26	89.37	89.37	18.14	90.64	2476.83	2476.83	2281.15	195.69
251+00	24.66	90.58	90.58	18.26	89.65	2567.42	2567.42	2370.8	196.62
252+00	26.22	94.22	94.22	17.2	87.33	2661.64	2661.64	2458.13	203.51
253+00	23.89	92.8	92.8	18.2	87.2	2754.44	2754.44	2545.33	209.11
254+00	19.62	80.58	80.58	18.83	91.21	2835.02	2835.02	2636.54	198.48
255+00	18.94	71.42	71.42	19.68	94.85	2906.44	2906.44	2731.39	175.05
256+00	19.85	71.83	71.83	20.15	98.1	2978.27	2978.27	2829.5	148.78
256+50	48.08	62.9	62.9	19.74	49.13	3041.17	3041.17	2878.63	162.54

STAGE 4

Alignment: IH 94 WB Ref Line
Start Sta: 256+50
End Sta: 294+47

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
256+50	19.47	0	0	21.06	0	0	0	0	0
257+00	12.52	29.62	29.62	19.05	49.39	29.62	29.62	49.39	-19.77
258+00	11.49	44.47	44.47	23.87	105.69	74.09	74.09	155.08	-80.99
259+00	10.93	41.52	41.52	22.03	113.05	115.61	115.61	268.12	-152.52
260+00	9.71	38.22	38.22	23.76	112.78	153.83	153.83	380.9	-227.07
261+00	8.13	33.04	33.04	24.42	118.65	186.87	186.87	499.55	-312.68
262+00	7.26	28.51	28.51	27.33	127.45	215.38	215.38	627	-411.62
263+00	7.13	26.65	26.65	16.61	108.25	242.03	242.03	735.25	-493.22
264+00	7.43	26.96	26.96	17.75	84.64	268.99	268.99	819.89	-550.9
265+00	7.23	27.16	27.16	18.16	88.45	296.14	296.14	908.34	-612.2
266+00	6.65	25.72	25.72	30.31	119.37	321.86	321.86	1027.71	-705.86
267+00	8.15	27.41	27.41	28.98	146.02	349.27	349.27	1173.73	-824.47
268+00	9.63	32.92	32.92	25.58	134.38	382.19	382.19	1308.11	-925.92
269+00	11.09	38.37	38.37	27.52	130.8	420.56	420.56	1438.91	-1018.35
270+00	13.76	46.01	46.01	20.63	118.6	466.56	466.56	1557.51	-1090.94
271+00	14.43	52.2	52.2	21.76	104.41	518.77	518.77	1661.92	-1143.15
272+00	13.54	51.8	51.8	22.47	108.95	570.57	570.57	1770.86	-1200.3
273+00	13.53	50.12	50.12	22.49	110.73	620.69	620.69	1881.6	-1260.91
274+00	12.73	48.62	48.62	23.25	112.67	669.31	669.31	1994.26	-1324.96
275+00	13.73	48.99	48.99	22.22	111.99	718.3	718.3	2106.26	-1387.96
276+00	14.38	52.04	52.04	22.23	109.48	770.34	770.34	2215.73	-1445.39
277+00	16.04	56.32	56.32	21.91	108.72	826.66	826.66	2324.46	-1497.79
278+00	14.97	57.41	57.41	22.56	109.54	884.08	884.08	2433.99	-1549.92
279+00	13.46	52.65	52.65	22	109.76	936.73	936.73	2543.76	-1607.03
280+00	13.38	49.71	49.71	20.96	105.83	986.44	986.44	2649.59	-1663.15
281+00	11.05	45.23	45.23	18.09	96.19	1031.66	1031.66	2745.77	-1714.11
282+00	9.09	37.29	37.29	13.81	78.56	1068.95	1068.95	2824.34	-1755.39
283+00	12.86	40.65	40.65	15.46	72.1	1109.59	1109.59	2896.43	-1786.84
284+00	15.82	53.11	53.11	13.21	70.62	1162.7	1162.7	2967.06	-1804.35
285+00	21.49	69.1	69.1	13.07	64.74	1231.8	1231.8	3031.8	-1800
286+00	32.08	99.22	99.22	13.36	65.1	1331.02	1331.02	3096.9	-1765.88
287+00	37.69	131.45	131.45	13.27	66.71	1462.46	1462.46	3163.61	-1701.15
288+00	30.11	125.56	125.56	13.3	65.43	1588.02	1588.02	3229.04	-1641.02
289+00	11.26	76.61	76.61	14.7	68.96	1664.63	1664.63	3298	-1633.37
290+00	3.99	28.22	28.22	14.1	70.92	1692.86	1692.86	3368.93	-1676.07
291+00	3.91	14.62	14.62	13.1	66.99	1707.48	1707.48	3435.92	-1728.44
292+00	95.1	183.36	183.36	0	32.27	1890.83	1890.83	3468.18	-1577.35
293+00	105.33	371.17	371.17	0	0	2262	2262	3468.18	-1206.19
294+00	112.33	403.06	403.06	0	0	2665.06	2665.06	3468.18	-803.12
294+47	102.2	188.55	188.55	0	0	2853.61	2853.61	3468.18	-614.58

STAGE 4

Alignment: west-Stage-5-EB-centerline
Start Sta: 89+45
End Sta: 102+92

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
89+45	90.4	0	0	13.15	0	0	0	0	0
90+00	101.44	195.82	195.82	11.74	33.78	195.82	195.82	33.78	162.04
91+00	101.48	375.77	375.77	12.96	60.83	571.59	571.59	94.62	476.98
92+00	106.8	385.7	385.7	11.17	59.44	957.3	957.3	154.06	803.24
93+00	111.77	404.76	404.76	0.82	29.54	1362.06	1362.06	183.6	1178.46
94+00	99.35	390.96	390.96	2.57	8.35	1753.02	1753.02	191.95	1561.07
95+00	57.12	289.77	289.77	11.03	33.5	2042.79	2042.79	225.45	1817.33
96+00	56.76	210.9	210.9	10.25	52.42	2253.68	2253.68	277.87	1975.81
97+00	56.09	208.98	208.98	9.15	47.78	2462.66	2462.66	325.66	2137
98+00	57.12	209.64	209.64	5.59	36.3	2672.3	2672.3	361.96	2310.34
99+00	56.53	210.46	210.46	1.33	17.05	2882.76	2882.76	379.01	2503.75
100+00	59.64	215.13	215.13	3.64	12.26	3097.89	3097.89	391.27	2706.61
101+00	62.2	225.63	225.63	5.23	21.86	3323.52	3323.52	413.13	2910.39
102+00	67.02	239.29	239.29	3.38	21.22	3562.81	3562.81	434.35	3128.47
102+92	63.28	222.32	222.32	6.48	22.39	3785.13	3785.13	456.73	3328.4

STAGE 4
Alignment: west-Stage-5-EB-centerline
Start Sta: 190+00
End Sta: 216+00

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
190+00	55.73	0	0	0	0	0	0	0	0
191+00	55.32	205.66	205.66	0.31	0.76	205.66	205.66	0.76	204.89
192+00	58.18	210.19	210.19	0	0.76	415.84	415.84	1.52	414.32
193+00	62.64	223.74	223.74	9.91	24.41	639.58	639.58	25.93	613.65
194+00	66.32	238.81	238.81	28.18	93.82	878.39	878.39	119.75	758.63
195+00	65.13	243.42	243.42	42.8	174.84	1121.81	1121.81	294.59	827.22
196+00	65.22	241.39	241.39	41.73	208.19	1363.2	1363.2	502.78	860.42
197+00	71.45	253.09	253.09	17.37	145.55	1616.29	1616.29	648.33	967.96
198+00	76.77	274.48	274.48	27.57	110.7	1890.77	1890.77	759.03	1131.74
198+89	48.83	206.37	206.37	77.39	229.37	2097.15	2097.15	988.41	1108.74
199+00	42.94	19.16	19.16	80.86	43.95	2116.31	2116.31	1032.36	1083.95
200+00	51.06	174.08	174.08	85.71	410.25	2290.38	2290.38	1442.61	847.78
201+00	60.67	206.92	206.92	79.53	406.98	2497.3	2497.3	1849.59	647.72
202+00	72.14	245.94	245.94	68.29	364.08	2743.25	2743.25	2213.67	529.58
203+00	79.32	280.47	280.47	45.7	280.75	3023.72	3023.72	2494.42	529.3
204+00	79.33	293.8	293.8	40.4	212.06	3317.51	3317.51	2706.48	611.03
205+00	79.34	293.85	293.85	33.93	183.07	3611.36	3611.36	2889.55	721.81
206+00	82.68	300.05	300.05	31.75	161.75	3911.41	3911.41	3051.3	860.12
207+00	82.29	305.51	305.51	28.37	148.06	4216.92	4216.92	3199.36	1017.57
208+00	87.17	313.81	313.81	19.28	117.36	4530.73	4530.73	3316.72	1214.01
208+60	91.14	199.17	199.17	18.4	55.97	4729.9	4729.9	3372.7	1357.2
209+00	89.4	132.68	132.68	15.58	33.21	4862.57	4862.57	3405.91	1456.67
210+00	93.08	337.92	337.92	13.53	71.71	5200.5	5200.5	3477.61	1722.88
211+00	92.62	343.88	343.88	9.63	57.05	5544.38	5544.38	3534.66	2009.72
212+00	92.41	342.64	342.64	6.43	39.57	5887.01	5887.01	3574.23	2312.79
213+00	92.34	342.12	342.12	5.32	28.94	6229.13	6229.13	3603.16	2625.97
214+00	91.65	340.72	340.72	3.4	21.48	6569.85	6569.85	3624.64	2945.2
215+00	90.18	336.72	336.72	2.06	13.46	6906.57	6906.57	3638.1	3268.47
215+48	89.76	161.52	161.52	1.23	3.93	7068.09	7068.09	3642.02	3426.07
216+00	79.26	161.29	161.29	5.55	8.61	7229.38	7229.38	3650.63	3578.75

STAGE 4
Alignment: IH 94 WB Ref Line
Start Sta: 421+14
End Sta: 482+98

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
421+14	79.3	0	0	5.53	0	0	0	0	0
421+97	86.67	254.38	254.38	0.33	11.95	254.38	254.38	11.95	242.43
423+00	73.06	305.19	305.19	1.89	5.63	559.57	559.57	17.58	541.99
424+00	52.42	232.36	232.36	4.22	15.03	791.94	791.94	32.61	759.32
425+00	45.71	181.71	181.71	6.47	26.31	973.65	973.65	58.92	914.73
426+00	43.36	164.94	164.94	7.26	33.81	1138.59	1138.59	92.73	1045.86
426+55	42.5	86.83	86.83	7.02	19.21	1225.42	1225.42	111.94	1113.48
427+00	14.45	47.88	47.88	0.33	8.22	1273.3	1273.3	120.16	1153.14
428+00	41.95	104.44	104.44	4.62	12.19	1377.74	1377.74	132.35	1245.39
429+00	43.13	157.55	157.55	4.62	22.76	1535.3	1535.3	155.11	1380.19
430+00	35.9	146.35	146.35	7.7	30.35	1681.65	1681.65	185.47	1496.19
431+00	47.16	153.82	153.82	5.99	33.73	1835.47	1835.47	219.2	1616.27
432+00	45.69	171.94	171.94	6.47	30.69	2007.41	2007.41	249.89	1757.52
433+00	46.7	171.09	171.09	6.14	31.06	2178.5	2178.5	280.95	1897.55
434+00	46.67	172.91	172.91	6.16	30.3	2351.42	2351.42	311.25	2040.16
435+00	47.67	174.7	174.7	5.85	29.57	2526.12	2526.12	340.83	2185.29
436+00	48.36	177.83	177.83	5.64	28.31	2703.95	2703.95	369.13	2334.82
437+00	50.84	183.7	183.7	4.93	26.04	2887.65	2887.65	395.17	2492.48
437+10	50.81	18.92	18.92	4.94	2.44	2906.57	2906.57	397.61	2508.96
438+00	51.58	170.56	170.56	4.73	21.41	3077.13	3077.13	419.02	2658.11
439+00	46.41	181.48	181.48	6.23	27	3258.61	3258.61	446.02	2812.59
440+00	55.98	189.63	189.63	6.06	30.28	3448.23	3448.23	476.3	2971.94
441+00	55.89	207.18	207.18	6.09	29.92	3655.41	3655.41	506.22	3149.2
442+00	56.22	207.62	207.62	6.05	29.88	3863.03	3863.03	536.1	3326.94
443+00	57.08	209.82	209.82	5.73	28.99	4072.85	4072.85	565.09	3507.76

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Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
444+00	61.48	219.54	219.54	4.52	25.24	4292.39	4292.39	590.33	3702.06
444+88	51.38	183.63	183.63	4.78	20.14	4476.03	4476.03	610.47	3865.56
445+00	51.42	23.1	23.1	4.77	2.85	4499.12	4499.12	613.32	3885.8
446+00	53.2	193.73	193.73	3.35	20	4692.86	4692.86	633.33	4059.53
447+00	52.56	195.85	195.85	1.9	12.93	4888.71	4888.71	646.25	4242.45
448+00	58.36	205.42	205.42	0.53	5.98	5094.12	5094.12	652.24	4441.89
449+00	60.09	219.35	219.35	0.37	2.22	5313.47	5313.47	654.45	4659.02
450+00	49.64	203.2	203.2	4.62	12.29	5516.67	5516.67	666.74	4849.93
451+00	53.67	191.31	191.31	4.62	22.76	5707.98	5707.98	689.5	5018.48
451+65	49.84	124.41	124.41	4.62	14.77	5832.39	5832.39	704.27	5128.12
452+00	49.93	64.85	64.85	4.62	7.99	5897.24	5897.24	712.26	5184.98
453+00	49.44	184.03	184.03	4.62	22.76	6081.27	6081.27	735.02	5346.26
454+00	43.66	172.41	172.41	5.7	25.43	6253.69	6253.69	760.44	5493.24
455+00	41.4	157.51	157.51	5.7	28.1	6411.2	6411.2	788.54	5622.66
456+00	38.02	147.06	147.06	5.7	28.1	6558.26	6558.26	816.64	5741.62
457+00	14.08	96.47	96.47	17.84	57.99	6654.73	6654.73	874.62	5780.1
458+00	7.12	39.25	39.25	34.42	128.72	6693.97	6693.97	1003.35	5690.63
458+03	3.38	0.57	0.57	0.77	2.52	6694.54	6694.54	1005.87	5688.67
459+00	3.17	11.77	11.77	0.16	2.21	6706.31	6706.31	1008.07	5698.23
460+00	2.98	11.4	11.4	1.58	4.28	6717.7	6717.7	1012.35	5705.36
461+00	2.9	10.89	10.89	16.81	45.3	6728.6	6728.6	1057.65	5670.95
462+00	2.9	10.73	10.73	17.74	85.1	6739.33	6739.33	1142.75	5596.58
463+00	2.9	10.73	10.73	19.61	91.99	6750.05	6750.05	1234.74	5515.31
464+00	2.9	10.73	10.73	20.38	98.5	6760.78	6760.78	1333.24	5427.55
465+00	2.9	10.73	10.73	39.89	148.44	6771.51	6771.51	1481.68	5289.84
466+00	2.9	10.73	10.73	61.88	250.64	6782.24	6782.24	1732.32	5049.92
467+00	2.9	10.73	10.73	63.57	308.97	6792.97	6792.97	2041.29	4751.68
468+00	2.9	10.73	10.73	12.56	187.5	6803.7	6803.7	2228.8	4574.91
469+00	2.9	10.73	10.73	18.52	76.55	6814.43	6814.43	2305.35	4509.08
470+00	2.9	10.73	10.73	18.71	91.7	6825.16	6825.16	2397.05	4428.11
471+00	2.9	10.73	10.73	20.14	95.69	6835.89	6835.89	2492.74	4343.16
472+00	2.9	10.73	10.73	21.89	103.51	6846.62	6846.62	2596.25	4250.37
473+00	2.97	10.87	10.87	17.99	98.21	6857.49	6857.49	2694.46	4163.03
474+00	3.14	10.17	10.17	16.58	76.45	6867.66	6867.66	2770.92	4096.74
475+00	3.35	12.01	12.01	20.65	91.69	6879.67	6879.67	2862.6	4017.07
476+00	3.58	12.83	12.83	20.16	100.51	6892.5	6892.5	2963.12	3929.39
477+00	3.59	13.28	13.28	22.03	103.93	6905.79	6905.79	3067.05	3838.74
478+00	3.59	13.3	13.3	21.25	106.62	6919.08	6919.08	3173.67	3745.42
479+00	3.59	13.3	13.3	20.01	101.64	6932.38	6932.38	3275.31	3657.07
480+00	3.59	13.3	13.3	19.5	97.32	6945.68	6945.68	3372.62	3573.06
481+00	4.01	14.08	14.08	20.46	98.42	6959.76	6959.76	3471.05	3488.71
482+00	4.01	14.85	14.85	10.13	75.35	6974.61	6974.61	3546.4	3428.21
482+98	20.46	44.33	44.33	0	24.41	7018.94	7018.94	3570.81	3448.13

STAGE 4

Alignment: IH 94 WB Ref Line

Start Sta: 484+80

End Sta: 563+55

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
484+80	7.54	0	0	4.15	0	0	0	0	0
486+00	3.89	25.41	25.41	11.19	45.34	25.41	25.41	45.34	-19.93
487+00	3.59	13.86	13.86	26.52	92.86	39.27	39.27	138.2	-98.93
488+00	3.59	13.3	13.3	32.5	145.36	52.56	52.56	283.56	-230.99
489+00	3.59	13.3	13.3	32.61	160.37	65.86	65.86	443.93	-378.07
490+00	3.59	13.3	13.3	34.36	164.94	79.16	79.16	608.87	-529.71
491+00	3.59	13.3	13.3	38.33	179.02	92.46	92.46	787.89	-695.44
492+00	3.59	13.3	13.3	39.17	190.87	105.76	105.76	978.76	-873.01
493+00	5.84	17.46	17.46	35.35	183.54	123.22	123.22	1162.3	-1039.08
494+00	8.96	27.4	27.4	35.3	174.02	150.62	150.62	1336.32	-1185.7
495+00	13.16	40.96	40.96	30.52	162.12	191.58	191.58	1498.44	-1306.86
496+00	16.59	55.09	55.09	28.22	144.69	246.67	246.67	1643.14	-1396.46
497+00	19.1	66.08	66.08	37.75	162.49	312.75	312.75	1805.63	-1492.87
498+00	34.25	98.8	98.8	0	92.97	411.55	411.55	1898.6	-1487.05
499+00	25.36	110.4	110.4	6.42	15.81	521.95	521.95	1914.41	-1392.46
500+00	23.67	90.8	90.8	2.38	21.66	612.75	612.75	1936.07	-1323.32
501+00	29.83	99.08	99.08	0.73	7.66	711.82	711.82	1943.74	-1231.91
501+92	33.15	107.11	107.11	1.71	5.53	818.93	818.93	1949.26	-1130.33
502+00	33.32	10.04	10.04	2.06	0.76	828.97	828.97	1950.02	-1121.05
503+00	38.64	133.26	133.26	4.69	16.64	962.23	962.23	1966.66	-1004.44
504+00	50.71	165.46	165.46	4.62	22.95	1127.69	1127.69	1989.62	-861.93
505+00	69.43	222.47	222.47	2.63	17.87	1350.16	1350.16	2007.48	-657.32
506+00	74.69	266.89	266.89	1.91	11.18	1617.05	1617.05	2018.66	-401.61
507+00	77.69	282.19	282.19	0.6	6.18	1899.24	1899.24	2024.84	-125.6
507+82	78.78	236.57	236.57	0.42	2.05	2135.81	2135.81	2026.89	108.92
508+00	78.17	53.36	53.36	0.42	0.38	2189.16	2189.16	2027.27	161.9
509+00	78.93	290.92	290.92	0.56	2.42	2480.09	2480.09	2029.69	450.4
510+00	78.56	291.63	291.63	2.63	7.86	2771.72	2771.72	2037.55	734.17
511+00	80.92	295.33	295.33	2.63	12.95	3067.05	3067.05	2050.5	1016.55
512+00	83.78	305	305	2.63	12.95	3372.05	3372.05	2063.45	1308.59
513+00	83.64	310.03	310.03	2.63	12.95	3682.08	3682.08	2076.4	1605.68
514+00	86	314.14	314.14	2.63	12.95	3996.22	3996.22	2089.36	1906.86
515+00	88.56	323.25	323.25	1.34	9.78	4319.47	4319.47	2099.13	2220.34
515+91	72.02	291.14	291.14	0.75	5.03	4610.61	4610.61	2104.16	2506.45
516+00	69.78	24	24	2.04	0.63	4634.62	4634.62	2104.79	2529.83
517+00	48.68	219.38	219.38	5.07	17.52	4853.99	4853.99	2122.31	2731.68
518+00	33.73	152.61	152.61	7.89	31.92	5006.6	5006.6	2154.23	2852.37
519+00	37.51	131.91	131.91	8.93	41.42	5138.52	5138.52	2195.65	2942.87
520+00	32.34	129.35	129.35	10.42	47.66	5267.87	5267.87	2243.31	3024.56
521+00	31.08	117.45	117.45	10.81	52.28	5385.32	5385.32	2295.59	3089.73
522+00	30.71	114.43	114.43	10.93	53.54	5499.75	5499.75	2349.13	3150.62
523+00	30.19	112.78	112.78	11.1	54.24	5612.53	5612.53	2403.37	3209.16
524+00	30.36	112.12	112.12	11.04	54.52	5724.65	5724.65	2457.89	3266.76
525+00	31.34	114.25	114.25	10.73	53.62	5838.89	5838.89	2511.51	3327.38
525+12	31.26	13.92	13.92	10.75	6.35	5852.81	5852.81	2517.86	3334.95
526+00	32.14	103.31	103.31	10.48	46.02	5956.12	5956.12	2563.88	3392.24
527+00	36.01	126.2	126.2	9.34	48.82	6082.32	6082.32	2612.7	3469.62
528+00	42.88	146.1	146.1	7.44	41.32	6228.42	6228.42	2654.02	3574.4
529+00	44.83	162.43	162.43	6.77	34.98	6390.84	6390.84	2689	3701.85
530+00	43.22	163.06	163.06	7.31	34.68	6553.9	6553.9	2723.68	3830.23
531+00	41.53	156.94	156.94	7.9	37.47	6710.85	6710.85	2761.15	3949.7
532+00	38.25	147.74	147.74	8.73	40.96	6858.59	6858.59	2802.11	4056.48
533+00	38.95	142.96	142.96	8.55	42.56	7001.55	7001.55	2844.67	4156.88
533+59	35	81.23	81.23	9.63	26.55	7082.78	7082.78	2871.22	4211.56
534+00	32.92	51.17	51.17	10.24	19.91	7133.95	7133.95	2891.13	4242.82
535+00	25.86	108.85	108.85	11.97	54.72	7242.8	7242.8	2945.85	4296.95
536+00	13.69	73.25	73.25	16.21	69.4	7316.05	7316.05	3015.25	4300.8
537+00	6.16	36.77	36.77	26.73	105.74	7352.83	7352.83	3120.99	4231.84
538+00	6.82	24.04	24.04	24.41	125.96	7376.87	7376.87	3246.94	4129.93
539+00	6.95	25.51	25.51	25.55	123.07	7402.38	7402.38	3370.01	4032.37
540+00	3.06	18.55	18.55	11.11	90.31	7420.93	7420.93	3460.32	3960.61
541+00	3.14	11.48	11.48	16.24	67.38	7432.41	7432.41	3527.7	3904.71

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Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
542+00	6.12	17.14	17.14	26.76	105.9	7449.55	7449.55	3633.6	3815.95
542+09	6.34	2.01	2.01	26.2	11.39	7451.57	7451.57	3644.99	3806.58
543+00	5.45	19.93	19.93	29.01	124.1	7471.49	7471.49	3769.09	3702.4
544+00	5.21	19.75	19.75	30.61	146.83	7491.24	7491.24	3915.92	3575.32
545+00	5.21	19.31	19.31	30.65	150.87	7510.55	7510.55	4066.79	3443.76
546+00	5.21	19.31	19.31	31.3	152.58	7529.86	7529.86	4219.37	3310.49
547+00	5.21	19.31	19.31	32.57	157.32	7549.17	7549.17	4376.7	3172.48
548+00	6.04	20.85	20.85	26.82	146.29	7570.02	7570.02	4522.98	3047.04
549+00	6.34	22.92	22.92	25.85	129.72	7592.95	7592.95	4652.7	2940.24
550+00	7.5	25.62	25.62	21.98	117.79	7618.57	7618.57	4770.49	2848.08
551+00	7.75	28.24	28.24	20.98	105.8	7646.81	7646.81	4876.29	2770.52
552+00	7.72	28.64	28.64	21.78	105.32	7675.45	7675.45	4981.61	2693.84
552+17	15	7.18	7.18	21.62	18.25	7682.64	7682.64	4999.86	2682.77
553+00	17.04	49.21	49.21	19.53	84.06	7731.84	7731.84	5083.92	2647.92
554+00	31.37	82.86	82.86	11.15	69.84	7814.7	7814.7	5153.75	2660.95
555+00	39.47	131.18	131.18	7.86	46.81	7945.88	7945.88	5200.56	2745.32
556+00	43.56	153.76	153.76	7.42	37.62	8099.64	8099.64	5238.18	2861.46
557+00	41.3	157.13	157.13	7.96	37.86	8256.77	8256.77	5276.04	2980.73
558+00	36.7	144.43	144.43	9.15	42.13	8401.2	8401.2	5318.17	3083.02
559+00	39.51	141.13	141.13	8.4	43.24	8542.32	8542.32	5361.41	3180.91
560+00	36.09	140	140	9.32	43.65	8682.33	8682.33	5405.06	3277.27
560+83	33.14	106.85	106.85	10.18	40.02	8789.17	8789.17	5445.08	3344.1
561+00	33.28	20.48	20.48	10.13	8.33	8809.65	8809.65	5453.41	3356.25
562+00	34.05	124.69	124.69	9.9	49.35	8934.34	8934.34	5502.75	3431.59
563+00	33.62	125.32	125.32	7.12	41.94	9059.66	9059.66	5544.69	3514.97
563+55	72.67	107.58	107.58	0.55	10.33	9167.23	9167.23	5555.02	3612.21

STAGE 4

Alignment: west-Stage-5-EB-centerline

Start Sta: 358+30

End Sta: 370+77

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
358+30	36.75	0	0	6.59	0	0	0	0	0
359+00	41.34	101.32	101.32	1.22	13.47	101.32	101.32	13.47	87.85
360+00	38.59	148.03	148.03	3.42	11.41	249.35	249.35	24.89	224.46
361+00	39.74	145.07	145.07	0.03	8.5	394.41	394.41	33.39	361.03
362+00	61.38	187.26	187.26	0	0.09	581.68	581.68	33.47	548.21
363+00	81.77	265.1	265.1	0	0	846.78	846.78	33.47	813.31
364+00	93.43	324.45	324.45	0	0	1171.23	1171.23	33.47	1137.76
365+00	80.57	322.22	322.22	0	0	1493.45	1493.45	33.47	1459.98
366+00	68.08	275.27	275.27	0	0	1768.72	1768.72	33.47	1735.24
367+00	41.31	202.57	202.57	0.12	0.3	1971.29	1971.29	33.77	1937.52
368+00	28.27	128.85	128.85	0	0.3	2100.13	2100.13	34.08	2066.06
369+00	23.67	96.17	96.17	0	0	2196.3	2196.3	34.08	2162.23
370+00	30.95	101.14	101.14	0	0	2297.44	2297.44	34.08	2263.37
370+77	39.4	99.81	99.81	0	0	2397.26	2397.26	34.08	2363.18

STAGE 4
Alignment: Ramp 128 A Temporary 5A
Start Sta: 21+62
End Sta: 28+77

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
21+62	8.75	0	0	1.17	0	0	0	0	0
22+00	12.8	15.34	15.34	0.28	1.38	15.34	15.34	1.38	13.96
22+50	15.2	25.93	25.93	0.12	0.5	41.26	41.26	1.87	39.39
23+00	16.16	29.03	29.03	0.1	0.28	70.3	70.3	2.15	68.15
23+50	20.46	33.91	33.91	0	0.13	104.21	104.21	2.28	101.93
24+00	23.14	40.38	40.38	0	0	144.58	144.58	2.29	142.3
24+50	19.14	39.15	39.15	0	0	183.74	183.74	2.29	181.45
25+00	18.66	35	35	0	0	218.74	218.74	2.29	216.45
25+50	23.07	38.64	38.64	0	0	257.37	257.37	2.29	255.09
26+00	1.18	22.45	22.45	0	0	279.82	279.82	2.29	277.54
26+50	1.18	2.18	2.18	0	0	282	282	2.29	279.72
27+00	1.17	2.18	2.18	0	0	284.18	284.18	2.29	281.89
27+50	1.18	2.18	2.18	0	0	286.35	286.35	2.29	284.07
28+00	1.18	2.18	2.18	0	0	288.53	288.53	2.29	286.25
28+50	1.17	2.18	2.18	0	0	290.71	290.71	2.29	288.42
28+77	1.18	1.17	1.17	0	0	291.88	291.88	2.29	289.59

STAGE 4
Alignment: Ramp 128 D Temporary 5A
Start Sta: 60+89
End Sta: 66+63

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
60+89	0.42	0	0	0	0	0	0	0	0
61+00	2.39	0.57	0.57	0.07	0.02	0.57	0.57	0.02	0.55
61+50	7.44	9.1	9.1	3.51	4.4	9.67	9.67	4.42	5.25
62+00	9.35	15.55	15.55	15.78	23.75	25.22	25.22	28.18	-2.96
62+50	5.68	13.92	13.92	78.06	115.57	39.13	39.13	143.74	-104.61
63+00	6.76	11.52	11.52	96.86	215.41	50.65	50.65	359.16	-308.5
63+50	1.96	8.07	8.07	87.42	226.93	58.73	58.73	586.09	-527.36
64+00	0.37	2.16	2.16	93.6	222.91	60.88	60.88	809	-748.12
64+50	0	0.34	0.34	91.63	228.1	61.22	61.22	1037.1	-975.87
65+00	1.85	1.71	1.71	69.51	198.44	62.93	62.93	1235.53	-1172.6
65+50	0	1.71	1.71	48.07	144.79	64.65	64.65	1380.32	-1315.68
66+00	10.16	9.4	9.4	12.7	74.83	74.05	74.05	1455.16	-1381.11
66+50	4.25	13.34	13.34	8.91	26.61	87.38	87.38	1481.77	-1394.38
66+63	4.52	2.04	2.04	4.23	4.07	89.43	89.43	1485.84	-1396.41

STAGE 4
Alignment: Ramp 128 D Temporary 5A
Start Sta: 84+50
End Sta: 86+45

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
84+50	36.86	0	0	0	0	0	0	0	0
85+00	37.97	69.28	69.28	0	0	69.28	69.28	0	69.28
85+50	41.48	73.56	73.56	0	0	142.85	142.85	0	142.85
86+00	50.13	84.82	84.82	0	0	227.67	227.67	0	227.67
86+45	56.46	89.76	89.76	0	0	317.43	317.43	0	317.42

STAGE 4
Alignment: SW Ramp TSW5
Start Sta: 252+89
End Sta: 256+00

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
252+89	13.55	0	0	34.21	0	0	0	0	0
253+00	2.16	3.29	3.29	35.66	19.45	3.29	3.29	19.45	-16.16
254+00	0	4	4	29.34	160.1	7.29	7.29	179.55	-172.26
255+00	5.58	10.33	10.33	32	151.07	17.62	17.62	330.62	-313.01
256+00	3.99	17.72	17.72	3.18	86.63	35.33	35.33	417.26	-381.92

STAGE 5

Alignment: IH 94 EB Ref Line

Start Sta: 256+50

End Sta: 316+50

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
256+50	71.42	0	0	6.57	0	0	0	0	0
256+77	85.13	78.81	78.81	0.07	4.45	78.81	78.81	4.45	74.36
257+00	86.31	72.22	72.22	0.21	0.16	151.03	151.03	4.6	146.42
257+02	86.4	5.03	5.03	0.23	0.02	156.05	156.05	4.62	151.43
258+00	95.89	332.26	332.26	0	0.55	488.31	488.31	5.17	483.14
259+00	108.02	377.61	377.61	0	0	865.92	865.92	5.17	860.75
260+00	140.2	459.68	459.68	0	0	1325.6	1325.6	5.17	1320.43
261+00	190.21	611.87	611.87	0	0	1937.47	1937.47	5.17	1932.3
262+00	240.04	796.76	796.76	0	0	2734.23	2734.23	5.17	2729.06
263+00	107.6	643.93	643.93	0	0.01	3378.17	3378.17	5.18	3372.98
264+00	95.74	376.56	376.56	0.02	0.05	3754.72	3754.72	5.24	3749.49
265+01	98.3	363.94	363.94	0.18	0.49	4118.67	4118.67	5.72	4112.94
266+00	87.88	340.36	340.36	0	0.44	4459.03	4459.03	6.17	4452.86
267+00	88.88	327.34	327.34	0	0.03	4786.37	4786.37	6.2	4780.17
268+00	86.22	324.27	324.27	0.98	2.44	5110.64	5110.64	8.64	5102.01
269+00	88.11	322.84	322.84	0.66	4.05	5433.48	5433.48	12.68	5420.8
270+00	92.14	333.81	333.81	3.32	9.8	5767.29	5767.29	22.49	5744.8
271+00	98.33	352.73	352.73	0	8.18	6120.02	6120.02	30.67	6089.35
271+99	86.89	339.07	339.07	0	0	6459.09	6459.09	30.67	6428.42
272+00	86.85	3.69	3.69	0	0	6462.77	6462.77	30.67	6432.11
273+00	73.5	296.94	296.94	0	0	6759.72	6759.72	30.67	6729.05
274+00	73.52	272.26	272.26	0	0	7031.97	7031.97	30.67	7001.31
275+00	77.17	279.05	279.05	0	0	7311.03	7311.03	30.67	7280.36
276+00	103.2	334.01	334.01	2.73	6.73	7645.04	7645.04	37.4	7607.64
277+00	123.75	420.27	420.27	0.92	8.99	8065.31	8065.31	46.39	8018.93
278+00	178.63	559.97	559.97	0.16	2.66	8625.28	8625.28	49.04	8576.24
279+00	203.89	708.38	708.38	1.05	2.99	9333.66	9333.66	52.03	9281.63
280+00	176.33	704.11	704.11	3.94	12.3	10037.77	10037.77	64.33	9973.44
281+00	131.54	570.13	570.13	5.7	23.75	10607.9	10607.9	88.08	10519.82
282+00	100	428.78	428.78	9.99	38.63	11036.68	11036.68	126.71	10909.97
283+00	104.05	377.88	377.88	47.35	141.24	11414.56	11414.56	267.94	11146.62
284+00	97.76	373.74	373.74	83.99	323.49	11788.3	11788.3	591.43	11196.86
285+00	91.79	351.02	351.02	128.68	523.79	12139.32	12139.32	1115.22	11024.1
286+00	85.64	328.58	328.58	145.85	676.16	12467.9	12467.9	1791.38	10676.52
286+64	85.95	203.88	203.88	168.3	496.43	12671.78	12671.78	2287.81	10383.97
287+00	85.92	114.08	114.08	163.32	292.75	12785.85	12785.85	2580.55	10205.3
288+00	96.54	337.9	337.9	171.05	823.54	13123.75	13123.75	3404.09	9719.67
289+00	97.84	359.96	359.96	161.26	818.45	13483.72	13483.72	4222.54	9261.18
290+00	68.59	308.2	308.2	104.01	653.35	13791.92	13791.92	4875.88	8916.03
290+99	70.98	255.71	255.71	0	253.44	14047.62	14047.62	5129.32	8918.3
291+00	70.89	2.81	2.81	0	0	14050.43	14050.43	5129.32	8921.11
292+00	67.01	255.38	255.38	1.87	4.61	14305.81	14305.81	5133.93	9171.88
293+00	63.13	241.01	241.01	0.78	6.53	14546.82	14546.82	5140.47	9406.36
294+00	74.02	253.99	253.99	1.82	6.42	14800.81	14800.81	5146.88	9653.93
295+00	81.68	288.34	288.34	0.37	5.39	15089.15	15089.15	5152.28	9936.87
296+00	80.76	300.81	300.81	0	0.9	15389.96	15389.96	5153.18	10236.78
296+98	77.43	288.35	288.35	0	0	15678.3	15678.3	5153.18	10525.12
297+00	77.22	4.5	4.5	0	0	15682.8	15682.8	5153.18	10529.62
298+00	73.62	279.34	279.34	1.31	3.22	15962.14	15962.14	5156.4	10805.74
299+00	73.73	272.86	272.86	0	3.22	16235	16235	5159.62	11075.38
300+00	76.55	278.28	278.28	0	0	16513.29	16513.29	5159.62	11353.67
301+00	70.49	272.28	272.28	1.41	3.47	16785.57	16785.57	5163.09	11622.48
302+00	93.69	304.03	304.03	0	3.47	17089.6	17089.6	5166.56	11923.04
303+00	96.93	353	353	0	0	17442.6	17442.6	5166.56	12276.04
304+00	96.17	357.6	357.6	0	0	17800.19	17800.19	5166.56	12633.64
305+00	95.8	355.51	355.51	0	0	18155.7	18155.7	5166.56	12989.14
306+00	85.3	335.38	335.38	0	0	18491.08	18491.08	5166.56	13324.52
307+00	71.56	290.48	290.48	0	0	18781.56	18781.56	5166.56	13615.01
308+00	41.27	208.94	208.94	9.34	23	18990.5	18990.5	5189.56	13800.94
308+98	17.92	107.02	107.02	101.67	266.95	19097.52	19097.52	5456.51	13641.01
309+00	17.33	1.54	1.54	102.29	11.86	19099.06	19099.06	5468.36	13630.7
309+23	11.37	12.04	12.04	116.05	121.75	19111.09	19111.09	5590.11	13520.98
309+48	4.42	7.31	7.31	137.92	156.38	19118.41	19118.41	5746.49	13371.91

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Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
310+00	0	4.29	4.29	139.92	358.31	19122.7	19122.7	6104.8	13017.9
311+00	0	0	0	267.08	1002.42	19122.7	19122.7	7107.22	12015.48
312+00	0	0	0	239.63	1270.4	19122.7	19122.7	8377.61	10745.09
313+00	0	0	0	384.13	1536.3	19122.7	19122.7	9913.91	9208.79
313+54	0	0	0	457.88	1125.89	19122.7	19122.7	11039.8	8082.9
314+00	0	0	0	409.42	976.42	19122.7	19122.7	12016.22	7106.48
315+00	0	0	0	380.13	1944.61	19122.7	19122.7	13960.83	5161.87
316+00	0	0	0	399.11	1919.22	19122.7	19122.7	15880.05	3242.64
316+50	0	0	0	389.77	972.3	19122.7	19122.7	16852.36	2270.34

STAGE 5

Alignment: IH 94 EB Ref Line

Start Sta: 318+08

End Sta: 391+19

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
318+08	0	0	0	440.8	0	0	0	0	0
319+00	0	0	0	332.07	1758.14	0	0	1758.14	-1758.14
320+00	0	0	0	285.57	1521.23	0	0	3279.37	-3279.37
321+00	0	0	0	223.96	1254.97	0	0	4534.34	-4534.34
322+00	0	0	0	214.64	1080.26	0	0	5614.6	-5614.6
323+00	0	0	0	213.84	1055.33	0	0	6669.93	-6669.93
324+00	0	0	0	214.34	1054.6	0	0	7724.53	-7724.53
325+00	0	0	0	206.87	1037.43	0	0	8761.96	-8761.96
326+00	0	0	0	201.07	1004.74	0	0	9766.7	-9766.7
327+00	0	0	0	185.85	952.95	0	0	10719.66	-10719.66
328+00	0	0	0	169.41	874.97	0	0	11594.63	-11594.63
329+00	0	0	0	156.21	801.97	0	0	12396.59	-12396.59
330+00	0	0	0	135.08	717.42	0	0	13114.01	-13114.01
331+00	0	0	0	117.33	621.66	0	0	13735.67	-13735.67
332+00	0	0	0	98.12	530.63	0	0	14266.3	-14266.3
333+00	0	0	0	97.81	482.55	0	0	14748.85	-14748.85
334+00	0	0	0	126.76	553.1	0	0	15301.95	-15301.95
335+00	0	0	0	159.25	704.43	0	0	16006.38	-16006.38
336+00	0	0	0	141.53	740.81	0	0	16747.19	-16747.19
337+00	0	0	0	124.27	654.65	0	0	17401.83	-17401.83
338+00	3.94	7.29	7.29	87.63	521.89	7.29	7.29	17923.72	-17916.43
339+00	16.16	37.23	37.23	49.09	336.73	44.52	44.52	18260.45	-18215.93
340+00	26	78.08	78.08	20.34	171.01	122.6	122.6	18431.46	-18308.86
341+00	37.01	116.68	116.68	10.12	75.03	239.29	239.29	18506.49	-18267.2
342+00	45.86	153.47	153.47	8.37	45.54	392.75	392.75	18552.03	-18159.27
343+00	59.2	194.57	194.57	1.66	24.71	587.32	587.32	18576.74	-17989.42
344+00	64.66	229.38	229.38	1.15	6.93	816.7	816.7	18583.67	-17766.97
345+00	73.24	255.37	255.37	0	2.83	1072.07	1072.07	18586.5	-17514.43
346+00	79.77	283.35	283.35	0	0	1355.42	1355.42	18586.5	-17231.08
347+00	82.17	299.89	299.89	0	0	1655.31	1655.31	18586.5	-16931.19
348+00	82.13	304.26	304.26	0	0	1959.57	1959.57	18586.5	-16626.93
349+00	84.34	308.28	308.28	0	0	2267.85	2267.85	18586.5	-16318.64
350+00	82.19	308.39	308.39	0	0	2576.25	2576.25	18586.5	-16010.25
351+00	80.23	300.77	300.77	0	0	2877.02	2877.02	18586.5	-15709.48
352+00	75.46	288.31	288.31	0	0	3165.33	3165.33	18586.5	-15421.17
353+00	76.61	281.62	281.62	0	0	3446.94	3446.94	18586.5	-15139.55
354+00	84.77	298.84	298.84	0	0	3745.79	3745.79	18586.5	-14840.71
355+00	87.14	318.34	318.34	0	0	4064.12	4064.12	18586.5	-14522.37
356+00	86.04	320.7	320.7	0	0	4384.83	4384.83	18586.5	-14201.67
356+50	85.03	158.4	158.4	0	0	4543.23	4543.23	18586.5	-14043.27
357+00	82.3	154.93	154.93	0	0	4698.16	4698.16	18586.5	-13888.34
358+00	81.68	303.66	303.66	0	0	5001.81	5001.81	18586.5	-13584.68
359+00	83.25	305.42	305.42	0	0	5307.23	5307.23	18586.5	-13279.26
360+00	88.17	317.45	317.45	0	0	5624.68	5624.68	18586.5	-12961.81
361+00	82.9	316.81	316.81	0	0	5941.49	5941.49	18586.5	-12645
362+00	74.81	292.06	292.06	0	0	6233.55	6233.55	18586.5	-12352.95
363+00	84.41	294.84	294.84	0	0	6528.39	6528.39	18586.5	-12058.11
364+00	85.73	315.07	315.07	0	0	6843.46	6843.46	18586.5	-11743.04

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Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
365+00	83.85	314.05	314.05	0	0	7157.5	7157.5	18586.5	-11429
365+98	80.36	270.35	270.35	0	0	7427.85	7427.85	18586.5	-11158.64
366+00	80.38	6.21	6.21	0	0	7434.06	7434.06	18586.5	-11152.44
367+00	71.15	280.62	280.62	0	0	7714.68	7714.68	18586.5	-10871.82
368+00	65.13	252.38	252.38	0	0	7967.06	7967.06	18586.5	-10619.44
369+00	62.68	236.68	236.68	0	0	8203.75	8203.75	18586.5	-10382.75
370+00	62.52	231.86	231.86	0.13	0.31	8435.6	8435.6	18586.81	-10151.21
371+00	63.1	232.64	232.64	0.24	0.91	8668.24	8668.24	18587.71	-9919.47
372+00	66.2	239.45	239.45	0.71	2.34	8907.69	8907.69	18590.05	-9682.35
373+00	71.57	255.12	255.12	0	1.74	9162.82	9162.82	18591.79	-9428.97
374+00	72.36	266.54	266.54	0	0	9429.36	9429.36	18591.79	-9162.43
375+00	73.89	270.85	270.85	0	0	9700.2	9700.2	18591.79	-8891.58
376+00	69.46	265.47	265.47	0	0	9965.68	9965.68	18591.79	-8626.11
376+98	64.38	243.91	243.91	1	2.42	10209.59	10209.59	18594.21	-8384.62
377+00	64.33	3.79	3.79	1.15	0.08	10213.37	10213.37	18594.29	-8380.91
378+00	50.37	212.41	212.41	2.53	9.08	10425.78	10425.78	18603.37	-8177.58
379+00	41.01	169.22	169.22	4.06	16.25	10595	10595	18619.61	-8024.61
380+00	21.76	116.23	116.23	29.77	83.32	10711.23	10711.23	18702.93	-7991.7
381+00	5.65	50.76	50.76	18.26	118.29	10761.99	10761.99	18821.22	-8059.22
382+00	0	10.46	10.46	42.66	150.05	10772.46	10772.46	18971.27	-8198.81
382+98	0	0	0	55.24	237.28	10772.46	10772.46	19208.55	-8436.1
383+00	0	0	0	55.52	4.36	10772.46	10772.46	19212.92	-8440.46
384+00	0	0	0	60.84	286.61	10772.46	10772.46	19499.53	-8727.07
385+00	0	0	0	82.38	352.75	10772.46	10772.46	19852.28	-9079.82
386+00	0	0	0	112.87	480.88	10772.46	10772.46	20333.16	-9560.7
387+00	0	0	0	215.44	808.61	10772.46	10772.46	21141.76	-10369.31
388+00	0	0	0	272.91	1202.8	10772.46	10772.46	22344.57	-11572.11
388+52	0	0	0	290.08	726.15	10772.46	10772.46	23070.72	-12298.26
388+77	0	0	0	259.59	338.45	10772.46	10772.46	23409.17	-12636.72
389+00	0	0	0	238.92	277.88	10772.46	10772.46	23687.05	-12914.59
389+02	0	0	0	237.72	27.8	10772.46	10772.46	23714.85	-12942.4
390+00	0	0	0	233.01	1131.93	10772.46	10772.46	24846.78	-14074.33
391+00	0	0	0	337.77	1405.81	10772.46	10772.46	26252.59	-15480.13
391+19	0	0	0	294.44	293.9	10772.46	10772.46	26546.49	-15774.03

9

9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	COMPUTER EARTHWORK DATA	SHEET 871	E

STAGE 5

Alignment: IH 94 EB Ref Line

Start Sta: 392+69

End Sta: 482+95

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
392+69	3.93	0	0	252.4	0	0	0	0	0
393+00	0.07	2.27	2.27	342.76	448.6	2.27	2.27	448.6	-446.33
394+00	0	0.14	0.14	274.69	1520.75	2.41	2.41	1969.36	-1966.95
395+00	0	0	0	229.11	1240.83	2.41	2.41	3210.19	-3207.78
396+00	0	0	0	143.5	917.71	2.41	2.41	4127.9	-4125.49
397+00	0	0	0	107.84	619.03	2.41	2.41	4746.93	-4744.52
398+00	0	0	0	76.32	453.57	2.41	2.41	5200.5	-5198.09
399+00	0	0	0	50.32	311.9	2.41	2.41	5512.4	-5509.99
400+00	0	0	0	37.12	215.36	2.41	2.41	5727.76	-5725.35
401+00	0.28	0.52	0.52	23.85	150.18	2.92	2.92	5877.94	-5875.02
402+00	7.46	14.34	14.34	13.78	92.69	17.26	17.26	5970.63	-5953.37
403+00	9.19	30.84	30.84	14	68.43	48.1	48.1	6039.07	-5990.96
404+00	22.22	58.16	58.16	3.58	43.3	106.27	106.27	6082.36	-5976.1
405+00	28.2	93.37	93.37	10.21	33.95	199.64	199.64	6116.31	-5916.68
406+00	32.49	112.4	112.4	11.46	53.37	312.03	312.03	6169.68	-5857.65
407+00	37.1	128.88	128.88	3.08	35.8	440.91	440.91	6205.48	-5764.57
408+00	49.44	160.26	160.26	3.02	15.02	601.17	601.17	6220.5	-5619.33
409+00	67.57	216.68	216.68	2.12	12.65	817.85	817.85	6233.15	-5415.3
410+00	73.93	262.04	262.04	0.97	7.61	1079.9	1079.9	6240.76	-5160.87
411+00	85.39	295.05	295.05	0.67	4.05	1374.94	1374.94	6244.82	-4869.87
412+00	84.61	314.81	314.81	0.08	1.85	1689.76	1689.76	6246.67	-4556.91
413+00	96.94	336.19	336.19	0.2	0.67	2025.95	2025.95	6247.34	-4221.39
413+25	98.47	88.96	88.96	0.01	0.13	2114.91	2114.91	6247.47	-4132.56
414+00	99.19	276.05	276.05	0.41	0.78	2390.96	2390.96	6248.25	-3857.29
415+00	104.89	377.94	377.94	0.3	1.73	2768.89	2768.89	6249.98	-3481.09
416+00	105.75	390.07	390.07	0	0.73	3158.97	3158.97	6250.71	-3091.75
417+00	96.62	374.76	374.76	0	0	3533.73	3533.73	6250.71	-2716.99
418+00	94.26	353.48	353.48	0	0	3887.21	3887.21	6250.71	-2363.5
419+00	90.94	342.96	342.96	0	0	4230.17	4230.17	6250.71	-2020.54
420+00	85.02	325.86	325.86	0	0	4556.03	4556.03	6250.71	-1694.68
420+12	84.01	38.42	38.42	0.02	0	4594.45	4594.45	6250.72	-1656.27
421+00	94.15	289.44	289.44	0	0.03	4883.89	4883.89	6250.75	-1366.87
423+00	83.52	555.04	555.04	1.31	5.46	5438.93	5438.93	6256.21	-817.28
424+00	54.87	256.28	256.28	2.36	9.05	5695.21	5695.21	6265.26	-570.05
425+00	41.77	178.95	178.95	6.55	21.94	5874.16	5874.16	6287.2	-413.04
426+00	35.81	143.66	143.66	4.12	26.27	6017.83	6017.83	6313.48	-295.65
426+66	36.79	88.83	88.83	8.89	21.17	6106.65	6106.65	6334.64	-227.99
427+00	36.15	45.84	45.84	10.05	15.83	6152.49	6152.49	6350.47	-197.98
427+72	36.5	96.73	96.73	22.37	57.41	6249.23	6249.23	6407.88	-158.66
427+97	35.26	33.22	33.22	15.88	23.56	6282.45	6282.45	6431.44	-148.99
428+00	35.1	4.04	4.04	14.85	2.35	6286.49	6286.49	6433.78	-147.3
428+22	37.73	29.54	29.54	6.69	11.62	6316.02	6316.02	6445.4	-129.38
429+00	39.36	111.49	111.49	4.3	21.15	6427.51	6427.51	6466.55	-39.03
430+00	43.38	153.21	153.21	7.33	28.66	6580.72	6580.72	6495.21	85.51
431+00	52.29	177.16	177.16	81.63	219.11	6757.88	6757.88	6714.32	43.56
432+00	52.14	193.38	193.38	194.17	679.28	6951.26	6951.26	7393.6	-442.34
433+00	55.68	199.66	199.66	3.52	486.91	7150.92	7150.92	7880.52	-729.59
433+21	57.54	44.69	44.69	3.02	3.43	7195.61	7195.61	7883.95	-688.34
434+00	61.94	174.1	174.1	352.88	689.73	7369.71	7369.71	8573.68	-1203.97
435+00	66.55	237.94	237.94	0	869.13	7607.64	7607.64	9442.81	-1835.17
436+00	70.82	254.39	254.39	0	0	7862.03	7862.03	9442.81	-1580.77
437+00	78.63	276.76	276.76	0	0	8138.8	8138.8	9442.81	-1304.01
437+03	78.67	8.26	8.26	0	0	8147.06	8147.06	9442.81	-1295.75
438+00	74.77	276.1	276.1	0	0	8423.15	8423.15	9442.81	-1019.66
439+00	70.49	268.99	268.99	0.06	0.15	8692.14	8692.14	9442.96	-750.82
440+00	74.57	268.63	268.63	0.08	0.35	8960.77	8960.77	9443.31	-482.54
441+00	80.18	286.58	286.58	0	0.2	9247.35	9247.35	9443.51	-196.16
442+00	77.96	292.85	292.85	1.25	3.09	9540.2	9540.2	9446.6	93.6
443+00	87.91	307.16	307.16	0	3.09	9847.36	9847.36	9449.69	397.67
444+00	98.48	345.16	345.16	0	0	10192.51	10192.51	9449.69	742.82
444+76	97.56	277.66	277.66	2.32	4.37	10470.17	10470.17	9454.05	1016.12

~CONTINUE~

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
445+00	98.16	85.23	85.23	1.47	2.19	10555.41	10555.41	9456.25	1099.16
446+00	110.55	386.49	386.49	0	3.62	10941.9	10941.9	9459.87	1482.03
447+00	208.63	591.08	591.08	0	0	11532.97	11532.97	9459.87	2073.1
448+00	315.7	970.99	970.99	0	0	12503.96	12503.96	9459.87	3044.09
449+00	210.64	974.71	974.71	6.92	17.04	13478.68	13478.68	9476.91	4001.77
449+47	174.98	334.92	334.92	8.48	17.79	13813.6	13813.6	9494.7	4318.9
449+72	179.11	163.93	163.93	3.16	7.17	13977.53	13977.53	9501.87	4475.66
449+97	129.37	142.81	142.81	1.08	2.62	14120.34	14120.34	9504.49	4615.86
450+00	125.64	14.64	14.64	0.98	0.16	14134.98	14134.98	9504.64	4630.34
451+00	102.7	422.84	422.84	3.98	12.2	14557.83	14557.83	9516.85	5040.98
451+54	90.81	191.83	191.83	0.4	5.77	14749.66	14749.66	9522.61	5227.05
452+00	89.24	154.93	154.93	25.72	29.89	14904.59	14904.59	9552.5	5352.09
452+78	88.47	257.35	257.35	0.31	50.14	15161.94	15161.94	9602.64	5559.3
453+00	89.66	71.91	71.91	0.02	0.18	15233.85	15233.85	9602.81	5631.04
454+00	98.01	347.53	347.53	0	0.04	15581.38	15581.38	9602.85	5978.52
455+00	107.71	380.95	380.95	0	0	15962.33	15962.33	9602.85	6359.47
456+00	112.23	407.29	407.29	0	0	16369.62	16369.62	9602.85	6766.77
457+00	112.3	415.79	415.79	0	0	16785.41	16785.41	9602.85	7182.56
458+00	130.23	449.12	449.12	0	0	17234.54	17234.54	9602.85	7631.68
459+00	139.11	498.77	498.77	0	0	17733.31	17733.31	9602.85	8130.46
460+00	113.26	467.35	467.35	0	0	18200.66	18200.66	9602.85	8597.8
461+00	125.99	443.05	443.05	0	0	18643.71	18643.71	9602.85	9040.85
462+00	128.74	471.73	471.73	0	0	19115.43	19115.43	9602.85	9512.58
463+00	123.8	467.68	467.68	0	0	19583.11	19583.11	9602.85	9980.26
464+00	124.18	459.23	459.23	0	0	20042.35	20042.35	9602.85	10439.5
465+00	136.67	483.06	483.06	0.13	0.33	20525.41	20525.41	9603.18	10922.23
466+00	137.84	508.35	508.35	0	0.33	21033.76	21033.76	9603.5	11430.25
467+00	146.63	526.79	526.79	0	0	21560.55	21560.55	9603.5	11957.04
468+00	178.83	602.71	602.71	0	0	22163.26	22163.26	9603.5	12559.75
469+00	215.68	730.57	730.57	0	0	22893.83	22893.83	9603.5	13290.33
470+00	231.91	828.87	828.87	0	0	23722.7	23722.7	9603.5	14119.19
471+00	108.85	631.04	631.04	0	0	24353.74	24353.74	9603.5	14750.23
472+00	114.8	414.17	414.17	0	0	24767.91	24767.91	9603.5	15164.4
473+00	113.84	423.42	423.42	0	0	25191.33	25191.33	9603.5	15587.83
474+00	144.62	556.35	556.35	0	0	25747.68	25747.68	9603.5	16144.17
475+00	138.18	523.69	523.69	0	0	26271.37	26271.37	9603.5	16667.86
476+00	121.49	480.86	480.86	0	0	26752.23	26752.23	9603.5	17148.72
477+00	281.59	746.44	746.44	0	0	27498.67	27498.67	9603.5	17895.17
478+00	249.15	982.85	982.85	0.35	0.85	28481.52	28481.52	9604.36	18877.16
478+37	246.97	335.43	335.43	0.02	0.33	28816.95	28816.95	9604.68	19212.26
478+62	269.51	239.11	239.11	0	0.01	29056.06	29056.06	9604.69	19451.36
478+87	273.16	251.24	251.24	0.85	0.52	29307.29	29307.29	9605.22	19702.08
479+00	268.86	135.41	135.41	1.22	0.69	29442.7	29442.7	9605.91	19836.79
480+00	274.56	1006.34	1006.34	8.23	23.28	30449.04	30449.04	9629.18	20819.86
481+00	222.03	919.61	919.61	0	20.27	31368.65	31368.65	9649.46	21719.2
481+48	194.15	372.11	372.11	0	0	31740.76	31740.76	9649.46	22091.31
482+00	187.97	365.98	365.98	0	0	32106.74	32106.74	9649.46	22457.29
482+95	171.57	629.98	629.98	0	0	32736.72	32736.72	9649.46	23087.26

STAGE 5

Alignment: IH 94 EB Ref Line

Start Sta: 485+00

End Sta: 568+40

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
485+00	206.01	0	0	0	0	0	0	0	0
486+00	188.85	731.22	731.22	0	0	731.22	731.22	0	731.22
487+00	194.26	709.47	709.47	0	0	1440.69	1440.69	0	1440.69
488+00	215.53	758.87	758.87	0	0	2199.56	2199.56	0	2199.56
489+00	157.89	691.51	691.51	0	0	2891.07	2891.07	0	2891.07
490+00	121.42	517.24	517.24	0	0	3408.3	3408.3	0	3408.3
491+00	107.69	424.27	424.27	0	0	3832.58	3832.58	0	3832.58
492+02	107.97	408.06	408.06	0	0	4240.64	4240.64	0	4240.64
493+00	86.12	351.61	351.61	0	0	4592.25	4592.25	0	4592.25
494+00	82.38	312.03	312.03	0	0	4904.28	4904.28	0	4904.28
495+00	75.16	291.75	291.75	0	0	5196.03	5196.03	0	5196.03
496+00	253.32	608.31	608.31	8.41	20.72	5804.34	5804.34	20.72	5783.62
497+00	299.78	1024.27	1024.27	6.23	36.07	6828.61	6828.61	56.79	6771.82
498+00	338.59	1182.17	1182.17	3.33	23.54	8010.77	8010.77	80.33	7930.44
499+00	350.97	1276.96	1276.96	3.75	17.43	9287.73	9287.73	97.76	9189.97
500+00	328.15	1257.62	1257.62	4.05	19.21	10545.36	10545.36	116.97	10428.38
501+00	280.04	1126.28	1126.28	4.9	22.04	11671.64	11671.64	139.01	11532.62
502+00	334.33	1137.73	1137.73	7.57	30.71	12809.37	12809.37	169.73	12639.64
503+00	271.73	1122.34	1122.34	22.78	74.75	13931.72	13931.72	244.48	13687.24
504+00	215.79	902.82	902.82	14.37	91.5	14834.54	14834.54	335.98	14498.56
505+00	190.5	752.4	752.4	14.92	72.15	15586.93	15586.93	408.13	15178.81
506+00	151.85	633.98	633.98	9.73	60.7	16220.91	16220.91	468.82	15752.09
507+00	120.96	505.2	505.2	5.38	37.21	16726.11	16726.11	506.04	16220.08
508+00	118.93	444.25	444.25	10.38	38.83	17170.36	17170.36	544.86	16625.5
508+35	119.6	153.72	153.72	18.39	24.66	17324.08	17324.08	569.52	16754.56
509+00	123.13	293.07	293.07	0.67	30.61	17617.15	17617.15	600.13	17017.03
510+00	126.07	461.47	461.47	1	4.13	18078.62	18078.62	604.26	17474.36
511+00	128.36	471.17	471.17	0.04	2.58	18549.79	18549.79	606.84	17942.95
512+00	151.82	518.86	518.86	0	0.11	19068.65	19068.65	606.94	18461.71
513+00	155.61	569.33	569.33	0	0	19637.98	19637.98	606.94	19031.03
514+00	159.01	582.64	582.64	0	0	20220.61	20220.61	606.94	19613.67
515+00	164.02	598.2	598.2	0	0	20818.82	20818.82	606.94	20211.87
516+00	163.17	605.9	605.9	0	0	21424.72	21424.72	606.94	20817.77
517+00	130.31	522.99	522.99	1.25	2.97	21947.7	21947.7	609.91	21337.8
518+00	91.93	411.55	411.55	0	3.08	22359.26	22359.26	612.99	21746.27
519+00	74.07	307.41	307.41	0	0	22666.67	22666.67	612.99	22053.68
519+94	62.24	236.87	236.87	0	0	22903.54	22903.54	612.99	22290.55
520+00	60.61	14.03	14.03	0	0	22917.57	22917.57	612.99	22304.58
521+00	58.13	219.89	219.89	0	0	23137.46	23137.46	612.99	22524.47
522+00	60.29	219.29	219.29	3.12	7.69	23356.75	23356.75	620.68	22736.07
523+00	58.96	220.82	220.82	2.51	13.87	23577.57	23577.57	634.55	22943.03
524+00	55.13	211.28	211.28	1	8.64	23788.86	23788.86	643.18	23145.67
525+00	59.71	212.68	212.68	0	2.46	24001.54	24001.54	645.64	23355.89
526+00	60.42	222.47	222.47	0	0	24224.01	24224.01	645.64	23578.37
527+00	70.98	243.34	243.34	0	0	24467.35	24467.35	645.64	23821.71
528+00	77.29	274.58	274.58	0	0	24741.93	24741.93	645.64	24096.28
529+00	98.5	325.54	325.54	0	0	25067.47	25067.47	645.64	24421.82
529+47	111.35	182.26	182.26	0	0	25249.73	25249.73	645.64	24604.09
529+72	115.99	105.25	105.25	0	0	25354.98	25354.98	645.64	24709.34
529+97	106.22	102.87	102.87	0	0	25457.86	25457.86	645.64	24812.21
530+00	103.5	12.04	12.04	0	0	25469.9	25469.9	645.64	24824.25
531+00	98.84	374.72	374.72	0	0	25844.61	25844.61	645.64	25198.97
532+00	94.24	357.56	357.56	0	0	26202.17	26202.17	645.64	25556.53
532+34	83.55	111.52	111.52	0	0	26313.69	26313.69	645.64	25668.04
533+00	81.82	202.51	202.51	1.59	2.58	26516.2	26516.2	648.23	25867.97
534+00	77.87	295.71	295.71	0	3.91	26811.91	26811.91	652.14	26159.78
535+00	81.01	294.23	294.23	0.28	0.68	27106.14	27106.14	652.81	26453.32
536+00	84.82	307.09	307.09	2.42	6.63	27413.23	27413.23	659.44	26753.79
537+00	84.33	313.23	313.23	9.21	28.64	27726.46	27726.46	688.08	27038.38
538+00	94.32	330.83	330.83	28.66	93.29	28057.29	28057.29	781.37	27275.92
539+00	100.77	361.27	361.27	15.65	109.14	28418.55	28418.55	890.51	27528.05

~CONTINUE~

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
540+00	120.63	410	410	14.67	74.67	28828.55	28828.55	965.17	27863.38
541+00	122.36	449.99	449.99	5.96	50.8	29278.55	29278.55	1015.97	28262.57
542+00	94.89	402.31	402.31	48.72	134.67	29680.86	29680.86	1150.64	28530.22
542+02	94.86	5.33	5.33	51.05	3.73	29686.2	29686.2	1154.37	28531.83
543+00	89.53	336.28	336.28	0	123.82	30022.48	30022.48	1278.18	28744.29
544+00	79.52	313.05	313.05	0	0	30335.52	30335.52	1278.18	29057.34
545+00	74.58	285.36	285.36	0	0	30620.88	30620.88	1278.18	29342.7
546+00	67.29	262.72	262.72	0	0	30883.61	30883.61	1278.18	29605.42
547+00	64.77	244.56	244.56	0	0	31128.16	31128.16	1278.18	29849.98
548+00	78.32	264.98	264.98	0	0	31393.15	31393.15	1278.18	30114.96
549+00	85.08	302.59	302.59	0	0	31695.74	31695.74	1278.18	30417.56
550+00	105.62	353.14	353.14	1.06	2.6	32048.88	32048.88	1280.78	30768.1
551+00	111.27	401.65	401.65	3.99	12.41	32450.53	32450.53	1293.2	31157.33
552+00	104.08	398.79	398.79	0	9.82	32849.32	32849.32	1303.01	31546.31
553+00	98.33	374.82	374.82	0	0	33224.14	33224.14	1303.01	31921.13
553+07	97.51	23.92	23.92	0	0	33248.05	33248.05	1303.01	31945.04
554+00	115.22	397.68	397.68	0	0	33645.73	33645.73	1303.01	32342.72
555+00	124.42	443.78	443.78	0	0	34089.5	34089.5	1303.01	32786.49
556+00	116.12	445.45	445.45	0	0	34534.95	34534.95	1303.01	33231.94
557+00	110.58	419.81	419.81	0	0	34954.76	34954.76	1303.01	33651.75
558+00	101.9	393.48	393.48	0	0	35348.24	35348.24	1303.01	34045.22
558+72	108.56	280.23	280.23	4.35	7.71	35628.46	35628.46	1310.72	34317.74
558+97	108	100.26	100.26	0	2.68	35728.72	35728.72	1313.4	34415.32
559+00	108.49	12.43	12.43	0	0	35741.15	35741.15	1313.4	34427.75
559+22	113.83	90.16	90.16	0	0	35831.31	35831.31	1313.4	34517.92
560+00	110.76	324.83	324.83	0	0	36156.15	36156.15	1313.4	34842.75
561+00	99.59	389.54	389.54	15.8	38.9	36545.69	36545.69	1352.3	35193.39
562+00	98.11	366.11	366.11	0	38.9	36911.81	36911.81	1391.21	35520.6
562+73	94.87	262.18	262.18	0	0	37173.99	37173.99	1391.21	35782.78
563+00	95.86	94.09	94.09	0	0	37268.08	37268.08	1391.21	35876.87
564+00	90.41	344.95	344.95	0	0	37613.03	37613.03	1391.21	36221.82
565+00	93.42	340.42	340.42	0.59	1.46	37953.46	37953.46	1392.67	36560.78
566+00	96.09	350.94	350.94	0	1.46	38304.39	38304.39	1394.14	36910.26
567+00	74.99	316.81	316.81	0	0	38621.2	38621.2	1394.14	37227.07
568+00	66.58	262.17	262.17	0	0	38883.37	38883.37	1394.14	37489.24
568+40	61.69	95.02	95.02	0	0	38978.4	38978.4	1394.14	37584.26

STAGE 5

Alignment: Ramp 128 D

Start Sta: 266+11

End Sta: 274+94

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
266+11	9.38	0	0	0.04	0	0	0	0	0
266+50	9.94	13.91	13.91	0.93	0.92	13.91	13.91	0.92	12.99
267+00	23.45	30.92	30.92	0.19	1.38	44.83	44.83	2.31	42.52
267+50	69.98	86.51	86.51	0.03	0.28	131.34	131.34	2.59	128.75
267+87	129.33	135.13	135.13	10.38	9.39	266.47	266.47	11.97	254.49
268+00	128.28	63.87	63.87	7.81	6	330.34	330.34	17.97	312.37
268+50	130.02	239.17	239.17	6.73	17.9	569.51	569.51	35.87	533.64
269+00	132.67	243.23	243.23	6.42	16.19	812.74	812.74	52.07	760.68
269+50	141.42	253.79	253.79	0.11	8.04	1066.54	1066.54	60.11	1006.43
270+00	136.98	257.78	257.78	0	0.14	1324.32	1324.32	60.24	1264.07
270+50	94.11	213.97	213.97	5.11	6.3	1538.29	1538.29	66.54	1471.75
271+00	98.11	177.98	177.98	0.36	6.73	1716.27	1716.27	73.27	1643
271+50	65.48	151.47	151.47	0	0.44	1867.74	1867.74	73.71	1794.03
272+00	64.15	120.03	120.03	0	0	1987.77	1987.77	73.71	1914.05
272+50	56.56	111.76	111.76	0	0	2099.53	2099.53	73.71	2025.82
273+00	72.38	119.38	119.38	0.49	0.61	2218.91	2218.91	74.32	2144.6
273+50	70.15	131.97	131.97	0.66	1.42	2350.88	2350.88	75.74	2275.14
274+00	73.04	132.58	132.58	0	0.81	2483.46	2483.46	76.55	2406.91
274+50	62.03	125.07	125.07	0	0	2608.53	2608.53	76.55	2531.98
274+94	47.21	89.42	89.42	0	0	2697.94	2697.94	76.55	2621.39

STAGE 5

Alignment: Ramp 128 D Temporary 5B

Start Sta: 87+46

End Sta: 90+58

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
87+46	34.56	0	0	0.08	0	0	0	0	0
87+50	31.41	5.02	5.02	0	0	5.02	5.02	0	5.01
88+00	19.55	47.19	47.19	18.73	23.07	52.21	52.21	23.08	29.14
88+50	8.7	26.16	26.16	27.13	56.48	78.37	78.37	79.56	-1.18
89+00	6.33	13.91	13.91	22.75	61.43	92.28	92.28	140.99	-48.7
89+50	5.4	10.86	10.86	19.42	51.94	103.14	103.14	192.92	-89.78
90+00	4.4	9.08	9.08	11.49	38.07	112.23	112.23	230.99	-118.77
90+50	1.79	5.74	5.74	2.36	17.06	117.96	117.96	248.05	-130.09
90+58	1.14	0.45	0.45	0.4	0.56	118.41	118.41	248.61	-130.2

STAGE 5

Alignment: SW Ramp Ref Line

Start Sta: 470+45

End Sta: 483+75

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
470+45	126.1	0	0	0	0	0	0	0	0
470+50	125.45	22.78	22.78	0	0	22.78	22.78	0	22.78
471+00	123.47	230.47	230.47	0	0	253.25	253.25	0	253.25
471+50	120.18	225.6	225.6	0	0	478.85	478.85	0	478.85
472+00	121.83	224.09	224.09	0	0	702.94	702.94	0	702.94
472+50	168.89	269.19	269.19	0	0	972.13	972.13	0	972.13
473+00	152.16	297.27	297.27	0.22	0.27	1269.4	1269.4	0.27	1269.13
473+50	126.45	257.97	257.97	3.72	4.85	1527.36	1527.36	5.12	1522.25
474+00	125.79	233.56	233.56	0	4.58	1760.92	1760.92	9.7	1751.22
474+50	89.13	199.01	199.01	0	0	1959.93	1959.93	9.7	1950.23
475+00	105.08	179.83	179.83	0	0	2139.76	2139.76	9.7	2130.06
475+50	140.07	226.99	226.99	0	0	2366.75	2366.75	9.7	2357.05
476+00	168.41	285.63	285.63	0	0	2652.38	2652.38	9.7	2642.68
476+50	172.42	315.58	315.58	0	0	2967.97	2967.97	9.7	2958.26
477+00	70.27	224.71	224.71	1.79	2.2	3192.68	3192.68	11.9	3180.78
477+50	65	125.25	125.25	17.26	23.45	3317.92	3317.92	35.35	3282.57
477+72	64.45	52.5	52.5	27.91	24.36	3370.42	3370.42	59.71	3310.7
477+97	63.65	59.31	59.31	16.63	27.42	3429.72	3429.72	87.14	3342.59
478+00	63.14	7.28	7.28	15.61	2.46	3437	3437	89.6	3347.4
478+22	61.87	50.69	50.69	12.1	14.95	3487.7	3487.7	104.55	3383.15
478+50	60.81	63.84	63.84	11.34	16.23	3551.53	3551.53	120.77	3430.76
479+00	48.91	101.6	101.6	14.54	31.87	3653.13	3653.13	152.65	3500.48
479+50	42.77	84.9	84.9	13.19	34.15	3738.03	3738.03	186.79	3551.23
480+00	42.07	78.56	78.56	40.93	66.65	3816.59	3816.59	253.44	3563.15
480+50	39.97	75.96	75.96	74.36	141.98	3892.55	3892.55	395.42	3497.13
481+00	35.85	70.2	70.2	19.81	115.97	3962.74	3962.74	511.39	3451.35
481+50	33.42	64.13	64.13	3.99	29.3	4026.88	4026.88	540.69	3486.18
482+00	40.56	68.5	68.5	9.15	16.17	4095.38	4095.38	556.87	3538.51
482+50	41.5	75.98	75.98	58.83	83.72	4171.36	4171.36	640.58	3530.78
483+00	42.62	77.89	77.89	29.77	109.11	4249.25	4249.25	749.7	3499.55
483+50	48.11	84.01	84.01	43.57	90.31	4333.26	4333.26	840.01	3493.25
483+75	52.23	46.46	46.46	27.87	43.99	4379.71	4379.71	884	3495.72

STAGE 5
Alignment: SE Ramp Ref Line
Start Sta: 484+80
End Sta: 495+46

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
484+80	47.05	0	0	5.05	0	0	0	0	0
485+00	50.54	36.14	36.14	1.94	3.44	36.14	36.14	3.44	32.71
485+50	49.13	92.28	92.28	1.87	4.69	128.43	128.43	8.13	120.3
486+00	47.32	89.3	89.3	0	2.3	217.73	217.73	10.43	207.3
486+50	40.86	81.64	81.64	0.85	1.04	299.37	299.37	11.47	287.9
487+00	41.56	76.31	76.31	1.72	3.15	375.68	375.68	14.63	361.06
487+50	49.47	84.29	84.29	0	2.11	459.97	459.97	16.74	443.23
488+00	41.2	83.95	83.95	0	0	543.92	543.92	16.74	527.18
488+50	39.05	74.3	74.3	0	0	618.22	618.22	16.74	601.48
489+00	48.25	80.83	80.83	5.47	6.73	699.05	699.05	23.47	675.57
489+50	171.19	203.18	203.18	21.31	32.97	902.23	902.23	56.45	845.78
490+00	157.52	304.36	304.36	28.12	60.86	1206.58	1206.58	117.31	1089.27
490+50	130.06	266.28	266.28	37.53	80.85	1472.86	1472.86	198.15	1274.71
491+00	82.62	196.93	196.93	33.29	87.21	1669.79	1669.79	285.36	1384.43
491+50	64.18	135.93	135.93	24.22	70.82	1805.72	1805.72	356.19	1449.53
492+00	50.91	106.56	106.56	30.58	67.49	1912.28	1912.28	423.68	1488.6
492+50	30.22	75.12	75.12	23.48	66.58	1987.4	1987.4	490.26	1497.14
493+00	57.06	80.81	80.81	26.83	61.96	2068.21	2068.21	552.21	1516
493+50	79.8	126.72	126.72	20.68	58.51	2194.93	2194.93	610.72	1584.21
494+00	106.63	172.63	172.63	14.12	42.86	2367.56	2367.56	653.58	1713.97
494+50	111.28	201.77	201.77	9.09	28.59	2569.33	2569.33	682.17	1887.16
495+00	98.35	194.1	194.1	8.28	21.4	2763.43	2763.43	703.57	2059.86
495+46	116.68	182.22	182.22	9.41	19.94	2945.65	2945.65	723.51	2222.14

STAGE 5
Alignment: CTH Q
Start Sta: 8+00
End Sta: 12+00

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
8+00	66.81	0	0	0.58	0	0	0	0	0
8+50	79.44	135.42	135.42	0.03	0.76	135.42	135.42	0.76	134.67
9+00	105.31	171.06	171.06	0.03	0.07	306.49	306.49	0.82	305.66
9+50	56.78	150.08	150.08	0	0.03	456.56	456.56	0.86	455.71
10+00	60.9	108.96	108.96	0	0	565.52	565.52	0.86	564.67
10+50	135.94	182.26	182.26	0.04	0.05	747.79	747.79	0.91	746.88
11+00	336.72	437.66	437.66	0	0.05	1185.44	1185.44	0.96	1184.49
11+50	889.72	1135.6	1135.6	0	0	2321.04	2321.04	0.96	2320.08
12+00	758.79	1526.4	1526.4	15.2	18.71	3847.44	3847.44	19.67	3827.77

STAGE 6

Alignment: IH 94 EB Ref Line

Start Sta: 210+10

End Sta: 316+48

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
210+10	18.39	0	0	4.57	0	0	0	0	0
211+00	10.42	48.01	48.01	14.31	41.86	48.01	48.01	41.86	6.16
211+61	14	27.68	27.68	10.85	37.94	75.7	75.7	79.79	-4.1
212+00	17.91	22.92	22.92	9.75	19.68	98.62	98.62	99.47	-0.85
213+00	30.05	88.82	88.82	8.01	43.75	187.44	187.44	143.22	44.21
214+00	42.02	133.46	133.46	5.11	32.31	320.9	320.9	175.53	145.37
215+00	54.74	179.2	179.2	0.23	13.15	500.1	500.1	188.67	311.42
216+00	79.91	249.36	249.36	0	0.57	749.46	749.46	189.24	560.21
217+00	73.66	284.4	284.4	0	0.02	1033.85	1033.85	189.26	844.59
218+00	65.22	257.18	257.18	0.68	1.7	1291.04	1291.04	190.96	1100.07
219+00	60.4	232.63	232.63	1.31	4.92	1523.67	1523.67	195.88	1327.79
220+00	57.08	217.56	217.56	1.94	8.02	1741.23	1741.23	203.9	1537.33
221+00	61.13	218.92	218.92	0.77	6.68	1960.15	1960.15	210.58	1749.57
222+00	70.37	243.53	243.53	0	1.89	2203.68	2203.68	212.47	1991.22
223+00	77.19	273.28	273.28	0	0	2476.96	2476.96	212.47	2264.5
224+00	86.12	302.43	302.43	0	0	2779.39	2779.39	212.47	2566.92
225+00	87.44	321.4	321.4	0	0	3100.78	3100.78	212.47	2888.32
226+00	86.25	321.65	321.65	0	0	3422.43	3422.43	212.47	3209.97
227+00	79.74	307.4	307.4	0	0	3729.83	3729.83	212.47	3517.37
228+00	82.07	299.65	299.65	0	0	4029.49	4029.49	212.47	3817.02
229+00	81.56	303.02	303.02	0	0	4332.51	4332.51	212.47	4120.04
230+00	80.95	300.95	300.95	0	0	4633.46	4633.46	212.47	4421
231+00	77.54	293.51	293.51	0	0	4926.97	4926.97	212.47	4714.5
232+00	76.61	285.47	285.47	0	0	5212.44	5212.44	212.47	4999.97
233+00	73	277.06	277.06	0	0	5489.49	5489.49	212.47	5277.03
234+00	69.21	263.35	263.35	0	0	5752.84	5752.84	212.47	5540.38
235+00	72.28	262.01	262.01	0	0	6014.85	6014.85	212.47	5802.39
236+00	70.62	264.62	264.62	0	0	6279.47	6279.47	212.47	6067
236+52	66.58	132.18	132.18	1.49	1.91	6411.65	6411.65	214.37	6197.27
237+00	66.61	118.33	118.33	1.48	3.5	6529.97	6529.97	217.88	6312.1
238+00	66.71	246.88	246.88	1.44	7.18	6776.85	6776.85	225.05	6551.8
239+00	66.85	247.34	247.34	1.38	6.93	7024.19	7024.19	231.99	6792.2
240+00	69.2	251.95	251.95	0.6	4.88	7276.13	7276.13	236.87	7039.27
241+00	68.01	254.09	254.09	0.96	3.85	7530.23	7530.23	240.71	7289.51
242+00	66.03	248.23	248.23	1.72	6.59	7778.45	7778.45	247.3	7531.15
243+00	86.23	281.97	281.97	0	4.22	8060.42	8060.42	251.53	7808.89
244+00	86.04	319.03	319.03	0	0	8379.45	8379.45	251.53	8127.93
245+00	76.46	300.94	300.94	0	0	8680.4	8680.4	251.53	8428.87
245+36	68.26	96.08	96.08	0.79	0.69	8776.48	8776.48	252.22	8524.26
246+00	68.85	162.88	162.88	0.7	2.35	8939.36	8939.36	254.57	8684.79
247+00	69.79	256.74	256.74	0.46	2.84	9196.1	9196.1	257.41	8938.69
248+00	71.17	261.04	261.04	0.19	1.6	9457.14	9457.14	259.01	9198.13
249+00	69.58	246.84	246.84	0.51	1.63	9703.98	9703.98	260.63	9443.34
250+00	69.17	256.95	256.95	0.61	2.75	9960.92	9960.92	263.38	9697.54
251+00	69.26	256.35	256.35	0.59	2.95	10217.28	10217.28	266.33	9950.95
252+00	69.87	257.66	257.66	0.55	2.8	10474.93	10474.93	269.13	10205.8
253+00	74.36	267.1	267.1	0	1.36	10742.03	10742.03	270.49	10471.53
254+00	83.98	293.23	293.23	0	0	11035.25	11035.25	270.49	10764.76
255+00	93.25	328.21	328.21	0	0	11363.46	11363.46	270.49	11092.97
256+00	99.67	357.25	357.25	0	0	11720.72	11720.72	270.49	11450.22
257+00	63.2	301.61	301.61	1.07	2.64	12022.33	12022.33	273.14	11749.19
258+00	66.51	240.21	240.21	0	2.64	12262.54	12262.54	275.78	11986.75
259+00	68.06	249.21	249.21	0	0	12511.75	12511.75	275.78	12235.96
260+00	69.69	255.09	255.09	0	0	12766.83	12766.83	275.78	12491.05
261+00	71.44	261.35	261.35	0	0	13028.18	13028.18	275.78	12752.4
262+00	53.19	230.81	230.81	0	0	13258.99	13258.99	275.78	12983.21
262+65	45.45	119.07	119.07	0	0	13378.06	13378.06	275.79	13102.27
262+78	45.45	21.09	21.09	0	0	13399.15	13399.15	275.8	13123.36
263+00	45.45	37.56	37.56	0	0	13436.71	13436.71	275.8	13160.91
264+00	45.45	168.34	168.34	0	0.03	13605.05	13605.05	275.83	13329.22
264+40	45.45	67.67	67.67	0	0.01	13672.71	13672.71	275.84	13396.88
264+53	45.45	21.04	21.04	0	0	13693.76	13693.76	275.84	13417.91

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Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
265+00	45.45	79.63	79.63	0	0.01	13773.39	13773.39	275.86	13497.53
265+91	68.83	192.08	192.08	0	0.01	13965.47	13965.47	275.87	13689.6
266+00	68.05	23.42	23.42	0	0	13988.89	13988.89	275.87	13713.03
267+00	67.93	251.81	251.81	0	0	14240.71	14240.71	275.87	13964.84
268+00	71.51	258.21	258.21	0	0	14498.92	14498.92	275.87	14223.05
269+00	73.34	268.23	268.23	0	0	14767.15	14767.15	275.87	14491.28
270+00	69.29	264.14	264.14	0.44	1.07	15031.29	15031.29	276.94	14754.35
271+00	69.3	256.65	256.65	0.44	2.14	15287.94	15287.94	279.09	15008.85
272+00	69.3	256.65	256.65	0.43	2.14	15544.59	15544.59	281.23	15263.36
273+00	69.3	256.66	256.66	0.43	2.14	15801.25	15801.25	283.37	15517.88
274+00	69.3	256.66	256.66	0.43	2.14	16057.91	16057.91	285.5	15772.41
275+00	69.26	256.6	256.6	0.45	2.17	16314.51	16314.51	287.68	16026.83
276+00	69.66	257.27	257.27	0.25	1.73	16571.78	16571.78	289.41	16282.37
277+00	68.87	256.54	256.54	0.63	2.18	16828.32	16828.32	291.59	16536.73
278+00	66.18	250.09	250.09	0.72	3.33	17078.41	17078.41	294.92	16783.49
279+00	62.77	238.81	238.81	0.49	2.99	17317.22	17317.22	297.91	17019.31
280+00	58.71	224.97	224.97	0	1.21	17542.18	17542.18	299.12	17243.07
281+00	67.95	234.55	234.55	0	0	17776.73	17776.73	299.12	17477.62
282+00	76.86	268.17	268.17	0	0	18044.9	18044.9	299.12	17745.78
283+00	80.62	291.64	291.64	0	0	18336.54	18336.54	299.12	18037.42
284+00	72.21	283.02	283.02	0.19	0.46	18619.56	18619.56	299.58	18319.98
285+00	68.13	259.88	259.88	1.12	3.22	18879.45	18879.45	302.8	18576.64
286+00	57.03	231.76	231.76	2.32	8.48	19111.21	19111.21	311.28	18799.93
287+00	71.23	237.5	237.5	3.53	14.42	19348.71	19348.71	325.7	19023.01
288+00	57.53	238.45	238.45	4.85	20.64	19587.16	19587.16	346.34	19240.82
289+00	76.49	248.19	248.19	0	11.94	19835.35	19835.35	358.28	19477.07
290+00	115.96	356.38	356.38	0	0	20191.73	20191.73	358.28	19833.45
291+00	105.12	409.4	409.4	7.5	18.47	20601.13	20601.13	376.76	20224.38
292+00	84.06	350.34	350.34	17.53	61.66	20951.48	20951.48	438.41	20513.06
293+00	83.78	310.81	310.81	7.51	61.69	21262.29	21262.29	500.1	20762.19
294+00	96.46	333.78	333.78	0.45	19.62	21596.06	21596.06	519.72	21076.34
295+00	71.82	311.63	311.63	15.96	40.41	21907.69	21907.69	560.14	21347.55
296+00	69.79	262.24	262.24	28.11	108.53	22169.93	22169.93	668.67	21501.27
297+00	75.23	268.57	268.57	29.67	142.31	22438.5	22438.5	810.98	21627.52
298+00	86.93	300.31	300.31	23.2	130.23	22738.81	22738.81	941.2	21797.61
299+00	94.88	336.69	336.69	17.97	101.39	23075.51	23075.51	1042.6	22032.91
300+00	101.28	363.27	363.27	15.18	81.64	23438.78	23438.78	1124.24	22314.54
301+00	97.92	368.9	368.9	18.35	82.58	23807.67	23807.67	1206.82	22600.85
302+00	99.72	366	366	22.12	99.68	24173.68	24173.68	1306.5	22867.17
303+00	96.28	362.97	362.97	28.42	124.49	24536.64	24536.64	1430.99	23105.65
304+00	92.77	350.09	350.09	34.28	154.44	24886.73	24886.73	1585.43	23301.29
305+00	91.39	341.03	341.03	38.46	179.15	25227.76	25227.76	1764.59	23463.17
306+00	88.13	332.44	332.44	41.36	196.58	25560.2	25560.2	1961.17	23599.03
307+00	81.04	313.27	313.27	57.76	244.14	25873.47	25873.47	2205.3	23668.17
308+00	82.18	302.26	302.26	66	304.83	26175.73	26175.73	2510.13	23665.6
309+00	79.43	299.28	299.28	81.16	362.44	26475.01	26475.01	2872.58	23602.43
310+00	86.39	307.07	307.07	100.43	447.25	26782.08	26782.08	3319.82	23462.25
311+00	95.42	336.69	336.69	115.65	532.19	27118.76	27118.76	3852.02	23266.75
312+00	68.38	308.78	308.78	139.46	639.58	27427.55	27427.55	4491.6	22935.95
313+00	47.9	215.34	215.34	156.9	729.91	27642.89	27642.89	5221.51	22421.38
314+00	29.75	143.79	143.79	167.28	798.45	27786.68	27786.68	6019.96	21766.72
315+00	13.8	80.64	80.64	177	847.96	27867.31	27867.31	6867.92	20999.39
315+23	13.74	11.61	11.61	179.26	199.78	27878.93	27878.93	7067.7	20811.22
315+48	14.19	12.93	12.93	177.05	219.39	27891.86	27891.86	7287.1	20604.76
315+73	13.99	13.05	13.05	177.41	218.26	27904.91	27904.91	7505.36	20399.55
316+00	13.6	13.91	13.91	178.93	239	27918.82	27918.82	7744.36	20174.46
316+48	11.89	22.54	22.54	183.26	425.76	27941.36	27941.36	8170.12	19771.24

STAGE 6

Alignment: IH 94 EB Ref Line

Start Sta: 318+08

End Sta: 391+18

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
318+08	10.25	0	0	205.4	0	0	0	0	0
318+85	8.4	26.74	26.74	229.02	828.31	26.74	26.74	828.31	-801.57
319+00	8.29	4.59	4.59	230.25	168.11	31.33	31.33	996.43	-965.09
319+10	8.23	3.1	3.1	230.91	115.15	34.44	34.44	1111.58	-1077.15
319+35	7.75	7.4	7.4	232.33	285.24	41.83	41.83	1396.82	-1354.99
320+00	11.01	22.53	22.53	229.42	737.66	64.36	64.36	2134.48	-2070.11
321+00	23.67	64.23	64.23	204.96	1069.87	128.59	128.59	3204.35	-3075.76
322+00	33.86	106.53	106.53	194.9	984.86	235.12	235.12	4189.21	-3954.09
323+00	49.66	154.66	154.66	162.62	880.57	389.78	389.78	5069.78	-4680
324+00	70.3	222.14	222.14	132.82	727.67	611.92	611.92	5797.45	-5185.53
325+00	82.03	282.09	282.09	116.34	613.69	894	894	6411.14	-5517.13
326+00	135.89	403.55	403.55	110.22	558.01	1297.55	1297.55	6969.15	-5671.6
327+00	129.24	490.98	490.98	97.45	511.47	1788.53	1788.53	7480.62	-5692.09
328+00	132.24	484.22	484.22	95.91	476.24	2272.75	2272.75	7956.86	-5684.11
329+00	110.99	450.43	450.43	113.35	515.41	2723.18	2723.18	8472.27	-5749.08
330+00	112.36	413.62	413.62	110.92	552.37	3136.8	3136.8	9024.64	-5887.84
331+00	114.52	420.14	420.14	106.83	536.32	3556.95	3556.95	9560.96	-6004.01
332+00	116.69	428.16	428.16	106.91	526.45	3985.1	3985.1	10087.41	-6102.3
333+00	118.88	436.24	436.24	105.4	522.92	4421.34	4421.34	10610.33	-6188.99
333+99	150.47	492.91	492.91	98.05	495.17	4914.25	4914.25	11105.5	-6191.25
334+00	150.89	6.59	6.59	97.93	5.7	4920.83	4920.83	11111.19	-6190.36
335+00	123.32	507.79	507.79	99.76	486.9	5428.62	5428.62	11598.09	-6169.47
336+00	125.56	460.89	460.89	94.57	478.63	5889.51	5889.51	12076.72	-6187.21
337+00	127.83	469.24	469.24	92.93	461.83	6358.75	6358.75	12538.55	-6179.8
338+00	130.11	477.66	477.66	82.6	432.32	6836.41	6836.41	12970.87	-6134.46
339+00	133.96	489.01	489.01	74.68	387.36	7325.42	7325.42	13358.24	-6032.82
340+00	140.69	508.61	508.61	68.5	352.65	7834.04	7834.04	13710.89	-5876.85
341+00	149.85	538.04	538.04	60.54	317.82	8372.08	8372.08	14028.71	-5656.63
342+00	149.77	554.84	554.84	56.01	287.06	8926.92	8926.92	14315.76	-5388.85
343+00	164.12	581.27	581.27	54.52	272.22	9508.18	9508.18	14587.99	-5079.8
344+00	178.67	634.8	634.8	57.02	274.72	10142.98	10142.98	14862.7	-4719.72
345+00	188.33	679.64	679.64	46.59	255.19	10822.62	10822.62	15117.9	-4295.28
346+00	179.32	680.84	680.84	42.15	218.57	11503.45	11503.45	15336.46	-3833.01
347+00	163.18	634.27	634.27	40.07	202.5	12137.72	12137.72	15538.96	-3401.24
348+00	152.57	584.72	584.72	39.05	194.87	12722.44	12722.44	15733.83	-3011.39
349+00	146.54	553.91	553.91	36.34	185.69	13276.35	13276.35	15919.52	-2643.17
350+00	137.25	525.54	525.54	40.89	190.22	13801.89	13801.89	16109.74	-2307.85
351+00	128.75	492.58	492.58	31.36	177.94	14294.46	14294.46	16287.68	-1993.22
352+00	115.05	451.47	451.47	34.75	162.8	14745.93	14745.93	16450.48	-1704.55
353+00	105.6	408.61	408.61	46.52	200.16	15154.54	15154.54	16650.64	-1496.1
354+00	146.85	467.51	467.51	38.48	209.37	15622.05	15622.05	16860.01	-1237.96
355+00	175.31	596.61	596.61	22.98	151.38	16218.66	16218.66	17011.39	-792.73
356+00	177.98	654.24	654.24	22.48	111.96	16872.9	16872.9	17123.35	-250.45
357+00	170.25	644.87	644.87	31.07	131.88	17517.77	17517.77	17255.23	262.54
358+00	232.84	746.47	746.47	48.2	195.25	18264.24	18264.24	17450.48	813.76
359+00	123.17	659.27	659.27	52.43	247.86	18923.51	18923.51	17698.34	1225.17
360+00	126.56	462.46	462.46	48.7	249.09	19385.97	19385.97	17947.43	1438.54
361+00	130.09	475.28	475.28	41.04	221.02	19861.25	19861.25	18168.46	1692.79
362+00	133.55	488.22	488.22	34.12	185.11	20349.47	20349.47	18353.57	1995.9
363+00	136.53	500.14	500.14	36.46	173.83	20849.61	20849.61	18527.41	2322.2
364+00	139.45	511.06	511.06	44.03	198.24	21360.67	21360.67	18725.65	2635.02
365+00	143.04	523.12	523.12	56.5	247.61	21883.79	21883.79	18973.26	2910.53
366+00	186	554.42	554.42	53.28	246.02	22438.21	22438.21	19219.28	3218.93
367+00	150	622.23	622.23	49.13	252.24	23060.44	23060.44	19471.52	3588.92
368+00	154.26	563.45	563.45	41.3	222.74	23623.89	23623.89	19694.26	3929.63
369+00	158.6	579.37	579.37	37.48	194.05	24203.27	24203.27	19888.31	4314.95
370+00	163.11	595.77	595.77	35.75	180.36	24799.04	24799.04	20068.68	4730.36
371+00	169.6	616.13	616.13	28.71	158.74	25415.17	25415.17	20227.42	5187.75
372+00	178.54	644.71	644.71	23.43	128.41	26059.88	26059.88	20355.83	5704.05
373+00	188.97	680.58	680.58	20.08	107.16	26740.47	26740.47	20463	6277.47
374+00	200.47	721.2	721.2	25.36	111.93	27461.66	27461.66	20574.92	6886.74

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Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
375+00	252.09	838.08	838.08	11.27	90.23	28299.75	28299.75	20665.15	7634.59
376+00	265.79	959.05	959.05	13.84	61.85	29258.79	29258.79	20727	8531.79
377+00	199.59	861.82	861.82	28.17	103.48	30120.61	30120.61	20830.48	9290.14
378+00	210.69	759.77	759.77	31.22	146.29	30880.38	30880.38	20976.77	9903.62
379+00	198.96	758.61	758.61	37.81	170.03	31639	31639	21146.8	10492.2
380+00	179.19	700.28	700.28	53.36	224.56	32339.27	32339.27	21371.36	10967.92
381+00	158.57	625.47	625.47	72.45	309.88	32964.74	32964.74	21681.24	11283.5
382+00	139.27	551.56	551.56	83.09	383.1	33516.3	33516.3	22064.33	11451.96
383+00	146.32	528.88	528.88	88.93	423.69	34045.17	34045.17	22488.02	11557.15
384+00	104.89	465.2	465.2	107.37	483.49	34510.37	34510.37	22971.51	11538.86
385+00	95.88	371.78	371.78	109.39	533.87	34882.15	34882.15	23505.38	11376.77
386+00	85.89	336.6	336.6	118.95	562.39	35218.75	35218.75	24067.77	11150.98
387+00	65.09	279.59	279.59	135.69	627.18	35498.34	35498.34	24694.95	10803.39
388+00	47.52	208.55	208.55	152.52	709.86	35706.89	35706.89	25404.81	10302.08
389+00	26.84	137.71	137.71	169.73	793.68	35844.6	35844.6	26198.49	9646.11
389+88	14.86	67.9	67.9	173.26	742.95	35912.5	35912.5	26941.44	8971.06
390+00	15.64	6.81	6.81	172.12	102.53	35919.31	35919.31	27043.96	8875.34
390+13	16.59	7.73	7.73	170.4	109.23	35927.03	35927.03	27153.2	8773.84
390+38	17.26	15.67	15.67	168.59	208.74	35942.71	35942.71	27361.93	8580.77
391+00	19.54	42.29	42.29	158.77	500.31	35985	35985	27862.24	8122.75
391+18	20.97	13.76	13.76	155.95	142.15	35998.75	35998.75	28004.39	7994.36

STAGE 6

Alignment: IH 94 EB Ref Line

Start Sta: 393+00

End Sta: 482+75

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
393+00	7.28	0	0	253.07	0	0	0	0	0
393+67	36.52	54.06	54.06	149.59	660.91	54.06	54.06	660.91	-606.85
393+92	39.05	34.99	34.99	147.16	182.72	89.05	89.05	843.64	-754.58
394+00	39.05	12.09	12.09	146.56	60.46	101.14	101.14	904.09	-802.95
394+17	39.2	24.11	24.11	144.7	119.39	125.25	125.25	1023.48	-898.23
395+00	82.1	187.24	187.24	124.16	551.97	312.49	312.49	1575.45	-1262.96
396+00	129.44	391.74	391.74	103.89	561.67	704.24	704.24	2137.12	-1432.89
397+00	168.14	551.07	551.07	94.23	487.95	1255.3	1255.3	2625.07	-1369.77
398+00	203.47	688.16	688.16	75.79	418.73	1943.46	1943.46	3043.8	-1100.35
399+00	218	780.49	780.49	52.93	317.02	2723.95	2723.95	3360.83	-636.88
400+00	217.91	807.25	807.25	45.48	242.38	3531.2	3531.2	3603.21	-72.01
401+00	218.41	808.02	808.02	22.87	168.34	4339.21	4339.21	3771.55	567.67
402+00	229.66	829.77	829.77	18.03	100.72	5168.98	5168.98	3872.27	1296.72
403+00	219.01	830.87	830.87	20.21	94.18	5999.85	5999.85	3966.44	2033.41
404+00	186.19	750.37	750.37	15.27	87.4	6750.22	6750.22	4053.84	2696.38
405+00	170.49	660.51	660.51	15.74	76.4	7410.73	7410.73	4130.24	3280.49
406+00	152.04	597.27	597.27	17.63	82.19	8008	8008	4212.43	3795.57
407+00	131.34	524.78	524.78	21.34	95.97	8532.78	8532.78	4308.39	4224.38
408+00	109.4	445.82	445.82	28.45	122.62	8978.6	8978.6	4431.02	4547.58
409+00	98.4	384.83	384.83	26.69	135.82	9363.43	9363.43	4566.83	4796.59
410+00	95.71	359.47	359.47	21.14	117.82	9722.9	9722.9	4684.66	5038.24
411+00	91.11	345.96	345.96	21.07	103.97	10068.86	10068.86	4788.62	5280.23
412+00	87.8	331.31	331.31	20.4	102.15	10400.16	10400.16	4890.77	5509.39
413+00	90.48	330.14	330.14	20.03	99.59	10730.3	10730.3	4990.36	5739.94
413+61	88.26	202.47	202.47	19.47	59.51	10932.77	10932.77	5049.87	5882.9
414+00	83.83	123.75	123.75	20.14	37.88	11056.53	11056.53	5087.75	5968.77
415+00	77.4	298.58	298.58	20.23	99.44	11355.1	11355.1	5187.19	6167.91
416+00	71.2	275.18	275.18	20.31	99.86	11630.28	11630.28	5287.05	6343.24
417+00	65.23	252.65	252.65	19.37	97.74	11882.94	11882.94	5384.79	6498.14
418+00	59.54	231.06	231.06	19.53	95.82	12114	12114	5480.62	6633.38
419+00	54.13	210.5	210.5	19.66	96.53	12324.5	12324.5	5577.15	6747.35
420+00	49.02	191.01	191.01	19.76	97.11	12515.51	12515.51	5674.26	6841.25
420+45	45.65	78.28	78.28	19.81	43.53	12593.79	12593.79	5717.79	6876
421+00	42.73	90.59	90.59	19.85	54.07	12684.38	12684.38	5771.85	6912.53
423+00	42.62	266.64	266.64	16.75	152.06	12951.02	12951.02	5923.92	7027.1
424+00	44.53	161.4	161.4	14.3	76.47	13112.42	13112.42	6000.39	7112.03
425+00	44.98	165.76	165.76	13.67	68.89	13278.18	13278.18	6069.27	7208.91
426+00	44.98	166.59	166.59	13.67	67.35	13444.78	13444.78	6136.62	7308.15
426+67	47.82	114.39	114.39	12.97	43.68	13559.17	13559.17	6180.3	7378.87

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Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
427+00	47.34	58.92	58.92	13.39	21.71	13618.09	13618.09	6202.01	7416.08
428+00	51.28	182.63	182.63	0.8	34.95	13800.72	13800.72	6236.97	7563.75
429+00	52.02	191.29	191.29	0.7	3.69	13992.01	13992.01	6240.66	7751.35
430+00	47.94	185.12	185.12	12.58	32.7	14177.13	14177.13	6273.36	7903.77
431+00	46.04	174.04	174.04	12.32	61.31	14351.17	14351.17	6334.67	8016.49
432+00	46.38	171.15	171.15	11.89	59.62	14522.31	14522.31	6394.3	8128.02
433+00	46.73	172.43	172.43	11.46	57.52	14694.74	14694.74	6451.81	8242.93
434+00	47.08	173.71	173.71	11.04	55.42	14868.45	14868.45	6507.23	8361.22
435+00	47.42	174.99	174.99	10.63	53.37	15043.45	15043.45	6560.6	8482.84
436+00	46.85	174.57	174.57	10.29	51.53	15218.02	15218.02	6612.13	8605.89
437+00	52.72	184.38	184.38	9.41	48.52	15402.4	15402.4	6660.65	8741.75
438+00	47.85	186.24	186.24	9.49	46.54	15588.65	15588.65	6707.19	8881.46
439+00	48.76	178.92	178.92	9.08	45.73	15767.57	15767.57	6752.92	9014.65
440+00	49.09	181.22	181.22	8.71	43.82	15948.79	15948.79	6796.74	9152.04
441+00	49.42	182.43	182.43	8.36	42.05	16131.22	16131.22	6838.8	9292.42
442+00	49.74	183.63	183.63	8.01	40.32	16314.85	16314.85	6879.12	9435.73
443+00	50.06	184.82	184.82	7.68	38.64	16499.67	16499.67	6917.76	9581.91
444+00	44.99	176.02	176.02	7.66	37.78	16675.7	16675.7	6955.55	9720.15
444+76	51.86	136.07	136.07	7.05	27.49	16811.76	16811.76	6983.03	9828.73
445+00	50.69	45.84	45.84	7.03	8.37	16857.6	16857.6	6991.4	9866.2
446+00	51.01	188.33	188.33	6.72	33.87	17045.93	17045.93	7025.27	10020.66
447+00	51.02	188.94	188.94	6.71	33.07	17234.87	17234.87	7058.35	10176.53
448+00	51.01	188.95	188.95	6.71	33.06	17423.83	17423.83	7091.4	10332.43
449+00	51	188.92	188.92	6.72	33.1	17612.75	17612.75	7124.5	10488.25
450+00	51	188.89	188.89	6.73	33.14	17801.64	17801.64	7157.63	10644.01
451+00	50.99	188.86	188.86	6.74	33.18	17990.5	17990.5	7190.81	10799.69
451+53	50.98	99.9	99.9	6.74	17.57	18090.4	18090.4	7208.38	10882.03
452+00	50.98	88.93	88.93	6.75	15.65	18179.33	18179.33	7224.03	10955.3
453+00	50.97	188.8	188.8	6.76	33.26	18368.13	18368.13	7257.28	11110.85
454+00	51.32	189.43	189.43	5.71	30.69	18557.56	18557.56	7287.98	11269.59
455+00	56.27	199.24	199.24	2.99	21.41	18756.8	18756.8	7309.39	11447.42
456+00	60.17	215.64	215.64	0.65	8.95	18972.44	18972.44	7318.33	11654.11
457+00	58.72	220.18	220.18	1.74	5.87	19192.62	19192.62	7324.2	11868.42
458+00	64.04	227.34	227.34	1.68	8.41	19419.96	19419.96	7332.61	12087.35
459+00	63.94	237	237	1.4	7.57	19656.96	19656.96	7340.17	12316.78
460+00	69.48	247.07	247.07	0	3.44	19904.03	19904.03	7343.61	12560.42
461+00	27.28	179.19	179.19	3.75	9.25	20083.22	20083.22	7352.86	12730.36
462+00	27.32	101.11	101.11	8.11	29.23	20184.33	20184.33	7382.09	12802.24
463+00	27.32	101.19	101.19	9.62	43.67	20285.52	20285.52	7425.77	12859.75
464+00	27.34	101.24	101.24	8.55	44.74	20386.76	20386.76	7470.51	12916.25
465+00	50.22	143.64	143.64	1.95	25.86	20530.39	20530.39	7496.36	13034.03
466+00	85.2	250.77	250.77	0	4.8	20781.17	20781.17	7501.17	13280
467+00	87.27	319.39	319.39	0	0	21100.56	21100.56	7501.17	13599.39
468+00	35.65	227.63	227.63	0.08	0.2	21328.18	21328.18	7501.37	13826.82
469+00	28.66	119.08	119.08	1.45	3.77	21447.27	21447.27	7505.13	13942.13
470+00	29.29	107.31	107.31	1.7	7.76	21554.58	21554.58	7512.89	14041.69
471+00	30.03	109.86	109.86	1.81	8.65	21664.44	21664.44	7521.55	14142.89
472+00	30.17	111.49	111.49	2.65	10.99	21775.94	21775.94	7532.53	14243.4
473+00	37.43	125.19	125.19	1.72	10.77	21901.12	21901.12	7543.3	14357.82
474+00	36.98	160.16	160.16	1.34	8.75	22061.28	22061.28	7552.05	14509.23
475+00	34.32	132.04	132.04	3.07	10.84	22193.33	22193.33	7562.89	14630.43
476+00	34.56	127.55	127.55	3.45	16.05	22320.87	22320.87	7578.94	14741.94
477+00	32.95	125.01	125.01	4.31	19.1	22445.88	22445.88	7598.03	14847.85
478+00	32.41	121.04	121.04	4.93	22.74	22566.93	22566.93	7620.78	14946.15
479+00	28.21	112.26	112.26	4.62	23.51	22679.18	22679.18	7644.29	15034.9
479+55	25.12	53.94	53.94	4.42	12.16	22733.12	22733.12	7656.44	15076.68
479+80	27.54	24.38	24.38	4.26	5.34	22757.5	22757.5	7661.78	15095.72
480+00	27.81	20.89	20.89	4.39	4.34	22778.39	22778.39	7666.13	15112.26
480+05	27.66	4.74	4.74	4.57	1.02	22783.13	22783.13	7667.15	15115.99
481+00	21.17	86.26	86.26	9.97	34.15	22869.4	22869.4	7701.3	15168.1
482+00	12.69	62.71	62.71	15.75	63.33	22932.11	22932.11	7764.63	15167.48
482+75	10.2	31.79	31.79	17.39	61.22	22963.89	22963.89	7825.84	15138.05

STAGE 6

Alignment: IH 94 EB Ref Line

Start Sta: 485+00

End Sta: 568+40

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
485+00	10.21	0	0	19.64	0	0	0	0	0
486+00	14.01	44.85	44.85	18.63	94.26	44.85	44.85	94.26	-49.41
487+00	23.6	69.65	69.65	11.2	73.47	114.5	114.5	167.73	-53.23
487+77	29.21	75.3	75.3	7.82	36.06	189.81	189.81	203.79	-13.99
488+00	30.44	25.41	25.41	7.66	8.77	215.22	215.22	212.57	2.65
488+02	30.51	2.25	2.25	7.67	0.75	217.47	217.47	213.32	4.15
488+27	31.18	28.56	28.56	9.15	10.36	246.03	246.03	223.68	22.35
489+00	37.36	92.66	92.66	1.56	19.26	338.69	338.69	242.94	95.75
490+00	48.82	159.6	159.6	0	3.84	498.29	498.29	246.78	251.51
491+00	52.19	187.06	187.06	0	0	685.35	685.35	246.78	438.57
492+00	57.03	202.26	202.26	0	0	887.62	887.62	246.78	640.83
493+00	60.19	217.08	217.08	0	0	1104.7	1104.7	246.78	857.92
494+00	58.46	219.73	219.73	2.12	5.23	1324.43	1324.43	252.01	1072.42
495+00	61.61	222.35	222.35	2.12	10.46	1546.78	1546.78	262.48	1284.3
496+00	68.37	240.7	240.7	0	5.23	1787.48	1787.48	267.71	1519.78
497+00	98.99	309.93	309.93	2.66	6.55	2097.42	2097.42	274.26	1823.16
498+00	97.84	364.51	364.51	2.66	13.1	2461.92	2461.92	287.36	2174.56
499+00	97.64	362.01	362.01	2.66	13.1	2823.93	2823.93	300.47	2523.46
500+00	95.39	357.47	357.47	2.66	13.1	3181.4	3181.4	313.57	2867.83
501+00	96.84	355.97	355.97	1	9.01	3537.37	3537.37	322.58	3214.79
502+00	85.45	337.57	337.57	0	2.46	3874.95	3874.95	325.04	3549.91
503+00	81.36	308.91	308.91	0	0	4183.86	4183.86	325.04	3858.82
504+00	75.69	290.83	290.83	0.87	2.15	4474.69	4474.69	327.19	4147.5
505+00	64.65	259.88	259.88	2.11	7.35	4734.57	4734.57	334.54	4400.04
506+00	56.59	224.51	224.51	2.73	11.92	4959.09	4959.09	346.46	4612.63
507+00	54.15	205.08	205.08	3.78	16.03	5164.16	5164.16	362.49	4801.67
508+00	51.36	195.4	195.4	5.37	22.52	5359.56	5359.56	385.01	4974.55
509+00	51.35	190.21	190.21	4.65	24.68	5549.77	5549.77	409.69	5140.08
510+00	50.14	187.93	187.93	5.25	24.4	5737.7	5737.7	434.09	5303.61
511+00	49.06	183.7	183.7	5.96	27.61	5921.41	5921.41	461.69	5459.71
512+00	48.11	179.96	179.96	9.2	37.32	6101.37	6101.37	499.02	5602.35
513+00	47.16	176.44	176.44	9.61	46.33	6277.81	6277.81	545.35	5732.46
514+00	46.18	172.85	172.85	10	48.31	6450.66	6450.66	593.65	5857
515+00	45.15	169.13	169.13	10.38	50.18	6619.79	6619.79	643.84	5975.95
516+00	48.34	173.13	173.13	7.72	44.58	6792.92	6792.92	688.42	6104.5
517+00	49.2	173.82	173.82	6.05	32.64	6966.74	6966.74	721.06	6245.68
518+00	50.88	185.33	185.33	3.92	24.54	7152.07	7152.07	745.61	6406.46
519+00	50.85	188.39	188.39	6.87	26.57	7340.46	7340.46	772.18	6568.28
520+00	50.75	188.16	188.16	6.97	34.1	7528.62	7528.62	806.28	6722.34
521+00	50.67	187.82	187.82	7.05	34.55	7716.44	7716.44	840.83	6875.61
522+00	50.25	186.89	186.89	7.13	34.92	7903.33	7903.33	875.76	7027.57
523+00	49.36	184.47	184.47	7.2	35.29	8087.79	8087.79	911.05	7176.75
524+00	49.49	183.06	183.06	6.52	33.8	8270.85	8270.85	944.84	7326.01
525+00	50.63	185.4	185.4	6.45	31.94	8456.25	8456.25	976.79	7479.47
526+00	47.52	181.75	181.75	6.55	32.03	8638.01	8638.01	1008.81	7629.2
527+00	45.43	172.13	172.13	6.6	32.4	8810.13	8810.13	1041.21	7768.93
528+00	44.35	166.27	166.27	6.56	32.42	8976.4	8976.4	1073.62	7902.78
529+00	44.27	164.12	164.12	7.14	33.76	9140.52	9140.52	1107.38	8033.14
530+00	45.19	165.66	165.66	6.94	34.68	9306.19	9306.19	1142.06	8164.12
531+00	47.11	170.92	170.92	6.66	33.5	9477.11	9477.11	1175.56	8301.54
532+00	50.07	179.96	179.96	6.34	32.02	9657.07	9657.07	1207.58	8449.49
533+00	51.71	188.47	188.47	6.05	30.51	9845.54	9845.54	1238.09	8607.45
533+50	51.91	95.93	95.93	5.86	14.67	9941.47	9941.47	1252.77	8688.7
534+00	52.11	96.32	96.32	5.68	14.22	10037.78	10037.78	1266.99	8770.8
535+00	56.95	201.95	201.95	3.31	22.15	10239.74	10239.74	1289.14	8950.6
536+00	67	229.53	229.53	2.88	15.26	10469.27	10469.27	1304.39	9164.88
537+00	76.34	265.44	265.44	2.44	13.12	10734.7	10734.7	1317.51	9417.19
538+00	76.85	283.68	283.68	2.44	12.04	11018.38	11018.38	1329.55	9688.83
539+00	77.32	285.51	285.51	2.44	12.04	11303.89	11303.89	1341.6	9962.3

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Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
540+00	85.3	301.15	301.15	2.44	12.04	11605.04	11605.04	1353.64	10251.41
541+00	81.81	309.45	309.45	3.33	14.22	11914.5	11914.5	1367.86	10546.64
542+00	79.59	298.89	298.89	3.33	16.39	12213.39	12213.39	1384.25	10829.14
543+00	76.17	288.44	288.44	3.33	16.39	12501.83	12501.83	1400.64	11101.2
544+00	76.51	282.72	282.72	2.44	14.22	12784.56	12784.56	1414.85	11369.71
545+00	76.04	282.49	282.49	2.44	12.04	13067.05	13067.05	1426.9	11640.16
546+00	75.55	280.73	280.73	2.44	12.04	13347.78	13347.78	1438.94	11908.84
547+00	75.07	278.93	278.93	2.44	12.04	13626.71	13626.71	1450.98	12175.73
548+00	75.33	278.51	278.51	2.44	12.04	13905.22	13905.22	1463.02	12442.2
549+00	75.63	279.55	279.55	2.44	12.04	14184.77	14184.77	1475.06	12709.71
550+00	75.85	280.52	280.52	2.44	12.04	14465.29	14465.29	1487.11	12978.19
551+00	76.08	281.35	281.35	2.44	12.04	14746.64	14746.64	1499.15	13247.49
552+00	76.3	282.17	282.17	2.44	12.04	15028.82	15028.82	1511.19	13517.63
552+21	74.49	58.72	58.72	0	1.27	15087.54	15087.54	1512.46	13575.08
553+00	72.63	215.17	215.17	0.93	1.81	15302.7	15302.7	1514.27	13788.43
554+00	63.78	271.69	271.69	1.99	7.73	15574.39	15574.39	1522	14052.39
555+00	56.49	222.73	222.73	3.49	13.5	15797.12	15797.12	1535.5	14261.62
556+00	53.85	204.33	204.33	4.21	18.97	16001.45	16001.45	1554.47	14446.98
557+00	54.02	199.76	199.76	4.08	20.42	16201.21	16201.21	1574.89	14626.32
558+00	54.19	200.38	200.38	3.96	19.79	16401.6	16401.6	1594.69	14806.91
559+00	54.35	201	201	3.83	19.18	16602.59	16602.59	1613.87	14988.72
560+00	31.9	159.72	159.72	3.89	19.03	16762.31	16762.31	1632.9	15129.42
560+73	24.36	76.5	76.5	3.8	13.91	16838.81	16838.81	1646.81	15192
561+00	21.55	22.58	22.58	3.77	4.95	16861.39	16861.39	1651.76	15209.63
562+00	10.64	59.6	59.6	3.64	18.24	16921	16921	1670	15251
563+00	3.62	26.4	26.4	19.25	56.37	16947.4	16947.4	1726.37	15221.02
564+00	3.6	13.38	13.38	16.95	89.15	16960.78	16960.78	1815.52	15145.26
565+00	3.6	13.35	13.35	15.22	79.23	16974.13	16974.13	1894.75	15079.37
566+00	3.68	13.49	13.49	10.18	62.56	16987.62	16987.62	1957.31	15030.31
567+00	14.86	34.34	34.34	0	25.06	17021.96	17021.96	1982.37	15039.59
568+00	6.98	40.44	40.44	0	0	17062.4	17062.4	1982.37	15080.03
568+40	6.98	10.34	10.34	0	0	17072.74	17072.74	1982.37	15090.37

STAGE 6
Alignment: IH 94 WB Ref Line
Start Sta: 453+94
End Sta: 465+25

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
453+94	7.05	0	0	0	0	0	0	0	0
455+00	10.94	35.49	35.49	0	0	35.49	35.49	0	35.49
456+00	15.45	48.87	48.87	0	0	84.36	84.36	0	84.36
457+00	31.3	86.58	86.58	0	0	170.94	170.94	0	170.94
458+00	41.16	134.2	134.2	0	0	305.14	305.14	0	305.14
459+00	52.21	172.91	172.91	0	0	478.04	478.04	0	478.04
459+03	52.61	6.02	6.02	0	0	484.06	484.06	0	484.06
459+28	56.07	50.32	50.32	0	0	534.38	534.38	0	534.38
459+53	59.5	53.51	53.51	0	0	587.89	587.89	0	587.89
460+00	52.53	97.3	97.3	0	0	685.19	685.19	0	685.19
461+00	35.89	163.75	163.75	0	0	848.94	848.94	0	848.94
462+00	32.04	125.8	125.8	0	0	974.74	974.74	0	974.74
463+00	30.58	115.95	115.95	0	0	1090.69	1090.69	0	1090.69
464+00	23.98	101.02	101.02	0	0	1191.72	1191.72	0	1191.72
465+00	17.47	76.76	76.76	0	0	1268.47	1268.47	0	1268.47
465+25	15.97	15.48	15.48	0	0	1283.95	1283.95	0	1283.95

STAGE 6
Alignment: IH 94 WB Ref Line
Start Sta: 476+22
End Sta: 482+85

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
476+22	9.15	0	0	0	0	0	0	0	0
477+00	26.42	51.57	51.57	0	0	51.57	51.57	0	51.57
478+00	29.16	102.93	102.93	0	0	154.51	154.51	0	154.51
479+00	52.03	150.34	150.34	0	0	304.85	304.85	0	304.85
480+00	34.2	159.67	159.67	0	0	464.52	464.52	0	464.52
481+00	23.56	106.95	106.95	0	0	571.47	571.47	0	571.47
482+00	10.07	62.27	62.27	0	0	633.74	633.74	0	633.74
482+85	7.78	27.94	27.94	0	0	661.67	661.67	0	661.67

STAGE 6
Alignment: IH 94 WB Ref Line
Start Sta: 484+87
End Sta: 493+98

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
484+87	7.89	0	0	3.57	0	0	0	0	0
485+58	9	22.27	22.27	11.39	26.21	22.27	22.27	26.21	-3.95
485+83	10.5	9.03	9.03	11.2	13.91	31.3	31.3	40.12	-8.83
486+00	11.51	6.86	6.86	70.6	33.89	38.15	38.15	74.01	-35.86
486+08	11.84	3.54	3.54	76.17	29.55	41.69	41.69	103.56	-61.88
487+00	18.24	51.14	51.14	0	172.25	92.83	92.83	275.82	-182.99
488+00	32.6	94.15	94.15	0	0	186.98	186.98	275.82	-88.84
489+00	35.85	126.76	126.76	0	0	313.75	313.75	275.82	37.93
490+00	23.56	110.03	110.03	0	0	423.78	423.78	275.82	147.96
491+00	17.47	75.99	75.99	0	0	499.76	499.76	275.82	223.94
492+00	14.54	59.27	59.27	0	0	559.04	559.04	275.82	283.22
493+00	10.78	46.9	46.9	0	0	605.93	605.93	275.82	330.11
493+98	6.08	30.68	30.68	0.06	0.14	636.61	636.61	275.96	360.65

STAGE 6
Alignment: IH 94 WB Ref Line
Start Sta: 498+38
End Sta: 502+12

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
498+38	28.3	0	0	0	0	0	0	0	0
499+00	29.8	67.13	67.13	0	0	67.13	67.13	0	67.13
500+00	29.9	110.55	110.55	0	0	177.68	177.68	0	177.68
501+00	22.78	97.55	97.55	0	0	275.23	275.23	0	275.23
502+00	6.09	53.46	53.46	0	0	328.69	328.69	0	328.69
502+12	4.89	2.47	2.47	0	0	331.16	331.16	0	331.16

STAGE 6

Alignment: NW Ramp Ref Line
Start Sta: 465+46
End Sta: 476+19

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
465+46	15.97	0	0	0	0	0	0	0	0
465+50	15.58	2.37	2.37	0.02	0	2.37	2.37	0	2.37
466+00	14.38	27.74	27.74	1.27	1.59	30.11	30.11	1.6	28.51
466+50	15.24	27.42	27.42	1.42	3.31	57.53	57.53	4.91	52.62
467+00	16.01	28.93	28.93	0	1.75	86.46	86.46	6.65	79.8
467+50	16.64	30.23	30.23	0	0	116.69	116.69	6.65	110.04
468+00	18.44	32.49	32.49	0	0	149.18	149.18	6.65	142.53
468+50	20.52	36.08	36.08	0	0	185.26	185.26	6.65	178.61
469+00	22.54	39.87	39.87	0	0	225.14	225.14	6.65	218.48
469+50	24.6	43.65	43.65	0	0	268.79	268.79	6.65	262.13
470+00	26.7	47.5	47.5	0	0	316.29	316.29	6.65	309.64
470+50	27.3	50.01	50.01	0	0	366.3	366.3	6.65	359.64
471+00	27.44	50.69	50.69	0	0	416.98	416.98	6.65	410.33
471+50	27.53	50.89	50.89	0	0	467.87	467.87	6.65	461.22
472+00	27.57	51.01	51.01	0	0	518.89	518.89	6.65	512.23
472+50	27.56	51.04	51.04	0	0	569.93	569.93	6.65	563.28
473+00	27.59	51.07	51.07	0	0	621	621	6.65	614.35
473+50	27.61	51.12	51.12	0	0	672.12	672.12	6.65	665.46
474+00	28.18	51.66	51.66	0	0	723.78	723.78	6.65	717.13
474+50	25.36	49.58	49.58	0	0	773.36	773.36	6.65	766.71
475+00	19.74	41.76	41.76	0	0	815.12	815.12	6.65	808.47
475+50	12.3	29.66	29.66	0	0	844.78	844.78	6.65	838.13
476+00	10.21	20.84	20.84	0	0	865.62	865.62	6.65	858.97
476+19	10.21	7.07	7.07	0	0	872.7	872.7	6.65	866.04

STAGE 6

Alignment: NE Ramp Ref Line
Start Sta: 496+79
End Sta: 498+35

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
496+79	8.96	0	0	0	0	0	0	0	0
497+00	9.14	7.21	7.21	0	0	7.21	7.21	0	7.21
497+50	13.01	20.51	20.51	0	0	27.72	27.72	0	27.72
498+00	22.06	32.47	32.47	0	0	60.19	60.19	0	60.19
498+35	28.11	32.43	32.43	0	0	92.62	92.62	0	92.62

STAGE 7

Alignment: west-Stage-7J-WB-centerline-passing
Start Sta: 9+90
End Sta: 15+28

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
9+90	37.33	0	0	0	0	0	0	0	0
10+00	36.66	13.7	13.7	0	0	13.7	13.7	0	13.7
11+00	36.33	135.17	135.17	0	0	148.87	148.87	0	148.87
12+00	82.63	220.29	220.29	0	0	369.16	369.16	0	369.16
13+00	95.71	330.25	330.25	0	0	699.41	699.41	0	699.41
14+00	78.53	322.66	322.66	0	0	1022.07	1022.07	0	1022.07
15+00	69.6	274.3	274.3	0	0	1296.37	1296.37	0	1296.37
15+28	61.18	67.11	67.11	0	0	1363.48	1363.48	0	1363.48

STAGE 7

Alignment: IH 94 EB Ref Line
Start Sta: 568+77
End Sta: 576+10

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
568+77	61.18	0	0	0	0	0	0	0	0
570+00	52.66	260.13	260.13	0	0	260.13	260.13	0	260.13
571+00	46.29	183.23	183.23	0	0	443.36	443.36	0	443.36
572+00	32.99	146.8	146.8	0	0	590.16	590.16	0	590.16
573+00	22.4	102.56	102.56	1.78	4.37	692.72	692.72	4.37	688.35
574+00	16.12	71.33	71.33	7.75	23.46	764.05	764.05	27.84	736.21
575+00	12.57	53.14	53.14	7	36.33	817.19	817.19	64.17	753.02
576+00	12.49	46.41	46.41	7.02	34.54	863.6	863.6	98.71	764.89
576+10	25.27	6.99	6.99	0	1.73	870.59	870.59	100.44	770.15

STAGE 7

Alignment: IH 94 EB Ref Line

Start Sta: 576+70

End Sta: 695+53

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
576+70	46.62	0	0	0	0	0	0	0	0
578+00	18.73	157.33	157.33	2.28	7.3	157.33	157.33	7.3	150.03
579+00	18.01	68.04	68.04	2.82	12.56	225.37	225.37	19.85	205.52
580+00	13.76	58.84	58.84	10.38	32.5	284.21	284.21	52.35	231.86
581+00	14.84	52.96	52.96	14.18	60.48	337.17	337.17	112.83	224.34
582+00	15.32	55.85	55.85	13.25	67.56	393.02	393.02	180.39	212.63
583+00	15.87	57.76	57.76	43.37	139.46	450.79	450.79	319.85	130.94
584+00	14.32	55.9	55.9	57.73	249	506.69	506.69	568.85	-62.16
585+00	14.71	53.77	53.77	56.69	281.81	560.45	560.45	850.66	-290.2
586+00	14.11	53.38	53.38	13.93	173.94	613.83	613.83	1024.6	-410.77
587+00	14.09	52.23	52.23	12.49	65.07	666.06	666.06	1089.67	-423.61
588+00	13.99	52.01	52.01	9.72	54.71	718.08	718.08	1144.39	-426.31
589+00	15.73	55.03	55.03	9.63	47.68	773.11	773.11	1192.07	-418.95
590+00	13.87	54.8	54.8	10.33	49.18	827.91	827.91	1241.25	-413.33
591+00	14.46	52.47	52.47	10.71	51.84	880.38	880.38	1293.09	-412.71
592+00	13.69	52.14	52.14	10.74	52.84	932.52	932.52	1345.93	-413.41
593+00	17.86	58.42	58.42	8.26	46.79	990.94	990.94	1392.72	-401.77
594+00	15	60.85	60.85	10.99	47.4	1051.8	1051.8	1440.12	-388.32
595+00	14.03	53.76	53.76	14.95	63.89	1105.56	1105.56	1504.01	-398.45
596+00	15.04	53.83	53.83	20.37	87	1159.39	1159.39	1591	-431.62
597+00	13.66	53.15	53.15	174.27	479.39	1212.54	1212.54	2070.39	-857.85
598+00	13.82	50.89	50.89	314.28	1203.27	1263.43	1263.43	3273.67	-2010.24
599+00	14.93	53.24	53.24	293.05	1495.83	1316.67	1316.67	4769.5	-3452.83
600+00	15.28	55.96	55.96	382.02	1662.69	1372.62	1372.62	6432.19	-5059.56
601+00	15.14	56.35	56.35	396.07	1916.41	1428.97	1428.97	8348.59	-6919.62
602+00	14	53.97	53.97	456.89	2100.79	1482.94	1482.94	10449.39	-8966.44
603+00	14.86	53.43	53.43	313.21	1896.72	1536.38	1536.38	12346.11	-10809.73
604+00	15.21	55.67	55.67	487.1	1971.12	1592.05	1592.05	14317.23	-12725.18
605+00	13.04	52.3	52.3	363.52	2095.04	1644.35	1644.35	16412.27	-14767.93
606+00	13.04	48.29	48.29	196.43	1379.14	1692.64	1692.64	17791.41	-16098.77
607+00	12.28	46.89	46.89	221.29	1028.82	1739.53	1739.53	18820.23	-17080.7
608+00	12.26	45.44	45.44	113.58	824.76	1784.97	1784.97	19644.99	-17860.02
609+00	13.14	47.04	47.04	38.98	375.75	1832	1832	20020.73	-18188.73
610+00	11.74	46.09	46.09	40.89	196.73	1878.09	1878.09	20217.46	-18339.37
611+00	12.03	44.03	44.03	22.02	154.95	1922.12	1922.12	20372.42	-18450.29
612+00	12.58	45.57	45.57	22.71	110.17	1967.7	1967.7	20482.59	-18514.89
613+00	12.41	46.27	46.27	25.31	118.27	2013.96	2013.96	20600.86	-18586.9
614+00	13.73	48.41	48.41	41.46	164.45	2062.37	2062.37	20765.31	-18702.94
615+00	12.14	47.92	47.92	626.12	1644.23	2110.29	2110.29	22409.54	-20299.25
616+00	12.49	45.62	45.62	841.41	3614.47	2155.91	2155.91	26024	-23868.09
617+00	12.83	46.9	46.9	519.16	3351.02	2202.81	2202.81	29375.02	-27172.21
618+00	13.94	49.58	49.58	223.3	1828.66	2252.39	2252.39	31203.68	-28951.29
619+00	13.45	50.72	50.72	186.25	1008.71	2303.11	2303.11	32212.39	-29909.28
620+00	14.7	52.14	52.14	146.03	818.4	2355.25	2355.25	33030.79	-30675.54
621+00	14.14	53.41	53.41	132.46	685.9	2408.65	2408.65	33716.69	-31308.04
622+00	14.49	53.01	53.01	115.64	611.04	2461.66	2461.66	34327.73	-31866.07
623+00	13.7	52.19	52.19	177.46	721.89	2513.85	2513.85	35049.62	-32535.77
624+00	14.39	52.02	52.02	94.55	669.96	2565.87	2565.87	35719.58	-33153.71
625+00	14.5	53.5	53.5	104.97	491.4	2619.37	2619.37	36210.98	-33591.61
626+00	12.26	49.54	49.54	61.8	410.74	2668.91	2668.91	36621.72	-33952.81
627+00	14.41	49.39	49.39	46.2	266.01	2718.3	2718.3	36887.73	-34169.43
628+00	15.2	54.84	54.84	50.35	237.81	2773.14	2773.14	37125.55	-34352.41
629+00	13.38	52.92	52.92	24.02	183.17	2826.06	2826.06	37308.71	-34482.65
630+00	13.49	49.76	49.76	15.96	98.47	2875.82	2875.82	37407.19	-34531.37
631+00	11.42	46.14	46.14	22.5	94.74	2921.96	2921.96	37501.93	-34579.97
632+00	9.9	39.48	39.48	25.95	119.35	2961.44	2961.44	37621.28	-34659.84
633+00	10.72	38.17	38.17	17.95	108.14	2999.61	2999.61	37729.41	-34729.8
634+00	11.16	40.52	40.52	16.68	85.3	3040.13	3040.13	37814.71	-34774.59
635+00	10.39	39.91	39.91	22.58	96.7	3080.03	3080.03	37911.42	-34831.38
636+00	11.1	39.8	39.8	31.71	133.71	3119.83	3119.83	38045.12	-34925.29
639+00	12.96	40.02	40.02	94.71	279.61	3159.86	3159.86	38324.73	-35164.88

~CONTINUE~

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
640+00	13.39	48.81	48.81	99.64	478.67	3208.67	3208.67	38803.41	-35594.74
641+00	12.63	48.2	48.2	49.81	368.09	3256.87	3256.87	39171.49	-35914.62
642+00	15.02	51.22	51.22	5.91	137.23	3308.09	3308.09	39308.72	-36000.63
643+00	15.18	55.92	55.92	6.41	30.35	3364.01	3364.01	39339.07	-35975.06
644+00	12.8	51.81	51.81	13.61	49.32	3415.82	3415.82	39388.4	-35972.58
645+00	13.24	48.22	48.22	13.58	66.97	3464.04	3464.04	39455.37	-35991.33
646+00	12.88	48.38	48.38	13.65	67.08	3512.41	3512.41	39522.44	-36010.03
647+00	13.1	48.13	48.13	18.18	78.4	3560.54	3560.54	39600.84	-36040.3
648+00	14.65	51.4	51.4	5.45	58.21	3611.94	3611.94	39659.05	-36047.11
649+00	14.76	54.46	54.46	6.94	30.53	3666.4	3666.4	39689.58	-36023.18
650+00	14.03	53.31	53.31	6.78	33.8	3719.71	3719.71	39723.39	-36003.68
651+00	13.7	51.34	51.34	8.14	36.77	3771.05	3771.05	39760.15	-35989.1
652+00	13.11	49.65	49.65	17.42	62.96	3820.7	3820.7	39823.11	-36002.41
653+00	13.19	48.7	48.7	19.65	91.3	3869.4	3869.4	39914.41	-36045.01
654+00	13.52	49.46	49.46	15.2	85.85	3918.86	3918.86	40000.27	-36081.41
655+00	13.75	50.51	50.51	15.52	75.66	3969.37	3969.37	40075.93	-36106.56
656+00	13.82	51.06	51.06	15.84	77.23	4020.44	4020.44	40153.16	-36132.72
657+00	12.04	47.88	47.88	18.16	83.75	4068.32	4068.32	40236.9	-36168.58
658+00	13.01	46.39	46.39	14.34	80.06	4114.71	4114.71	40316.96	-36202.25
659+00	12.27	46.82	46.82	21.36	87.94	4161.53	4161.53	40404.9	-36243.38
660+00	11.52	44.05	44.05	28.71	123.32	4205.58	4205.58	40528.23	-36322.65
661+00	11.21	42.1	42.1	24.1	130.07	4247.68	4247.68	40658.3	-36410.62
662+00	12.35	43.65	43.65	27.12	126.15	4291.32	4291.32	40784.45	-36493.13
663+00	10.21	41.79	41.79	29.46	139.34	4333.12	4333.12	40923.79	-36590.68
664+00	9.6	36.7	36.7	61.12	223.08	4369.82	4369.82	41146.87	-36777.05
665+00	11.9	39.82	39.82	59.42	296.89	4409.64	4409.64	41443.76	-37034.12
666+00	9.99	40.53	40.53	37.27	238.15	4450.16	4450.16	41681.91	-37231.75
667+00	11.85	40.44	40.44	18.34	136.96	4490.6	4490.6	41818.87	-37328.28
668+00	10.2	40.83	40.83	25.12	107.04	4531.43	4531.43	41925.91	-37394.49
669+00	13.6	44.06	44.06	14.08	96.55	4575.49	4575.49	42022.47	-37446.98
670+00	13.6	50.35	50.35	22.07	89.05	4625.84	4625.84	42111.52	-37485.67
671+00	13.59	50.35	50.35	22.97	110.94	4676.2	4676.2	42222.46	-37546.26
672+00	13.6	50.35	50.35	22.84	112.82	4726.55	4726.55	42335.27	-37608.72
673+00	13.6	50.36	50.36	22.69	112.13	4776.91	4776.91	42447.4	-37670.49
674+00	13.59	50.35	50.35	20.98	107.55	4827.26	4827.26	42554.96	-37727.7
675+00	13.6	50.35	50.35	19.13	98.78	4877.61	4877.61	42653.74	-37776.13
676+00	13.6	50.36	50.36	15.43	85.13	4927.97	4927.97	42738.87	-37810.9
676+00	13.59	6.5	6.5	16.97	10.3	4934.47	4934.47	42749.17	-37814.7
677+00	13.61	50.39	50.39	19.02	88.66	4984.85	4984.85	42837.83	-37852.98
678+00	13.59	50.39	50.39	18.74	93.02	5035.24	5035.24	42930.85	-37895.61
679+00	13.57	50.3	50.3	19.42	93.99	5085.54	5085.54	43024.84	-37939.3
680+00	13.84	50.76	50.76	20.31	97.85	5136.3	5136.3	43122.69	-37986.38
681+00	11.7	47.3	47.3	24.62	110.66	5183.6	5183.6	43233.35	-38049.75
682+00	12.94	45.62	45.62	22.74	116.64	5229.23	5229.23	43349.99	-38120.76
683+00	12.52	47.15	47.15	23.8	114.61	5276.38	5276.38	43464.6	-38188.22
684+00	12.19	45.77	45.77	21.48	111.52	5322.14	5322.14	43576.12	-38253.97
685+00	12.84	46.36	46.36	23.71	111.31	5368.5	5368.5	43687.42	-38318.92
686+00	9.59	41.54	41.54	23.09	115.27	5410.04	5410.04	43802.69	-38392.65
687+00	7.59	31.83	31.83	23.92	115.79	5441.87	5441.87	43918.48	-38476.61
688+00	7.59	28.13	28.13	24.06	118.17	5470	5470	44036.65	-38566.65
689+00	7.59	28.13	28.13	53.17	190.22	5498.12	5498.12	44226.87	-38728.74
690+00	7.59	28.13	28.13	69.38	301.86	5526.25	5526.25	44528.72	-39002.47
691+00	7.59	28.13	28.13	78.39	363.97	5554.38	5554.38	44892.69	-39338.31
692+00	10.6	33.69	33.69	15.44	231.11	5588.06	5588.06	45123.79	-39535.73
693+00	12.05	41.95	41.95	0.83	40.07	5630.01	5630.01	45163.86	-39533.85
694+00	10.22	41.26	41.26	0.96	4.4	5671.27	5671.27	45168.26	-39496.99
695+00	10	37.44	37.44	0	2.36	5708.71	5708.71	45170.62	-39461.91
695+53	9.74	19.29	19.29	0.01	0.01	5728	5728	45170.63	-39442.63

STAGE 7

Alignment: IH 94 EB Ref Line
Start Sta: 702+35
End Sta: 708+00

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
702+35	8.78	0	0	0.44	0	0	0	0	0
703+00	8.54	20.74	20.74	0.22	1.05	20.74	20.74	1.05	19.69
704+00	8.62	31.77	31.77	1.32	3.8	52.51	52.51	4.85	47.66
705+00	9.89	34.27	34.27	2.76	10.05	86.78	86.78	14.89	71.88
706+00	10.23	37.25	37.25	2.59	13.18	124.02	124.02	28.08	95.95
707+00	10.23	37.87	37.87	2.59	12.76	161.9	161.9	40.84	121.06
708+00	10.23	37.87	37.87	2.59	12.76	199.77	199.77	53.6	146.16
708+52	10.24	19.79	19.79	7.97	13.58	219.56	219.56	67.18	152.37

STAGE 7

Alignment: west-Stage-7J-WB-centerline-passing
Start Sta: 153+05
End Sta: 167+20

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
153+05	10.24	0	0	7.97	0	0	0	0	0
154+00	10.73	37.08	37.08	8.19	38	37.08	37.08	38	-0.92
155+00	13.12	44.16	44.16	14.37	55.56	81.24	81.24	93.56	-12.32
156+00	10.68	44.06	44.06	26.99	101.87	125.3	125.3	195.43	-70.13
157+00	2.17	23.8	23.8	46.8	181.74	149.09	149.09	377.17	-228.08
158+00	0	4.03	4.03	71.21	290.63	153.12	153.12	667.8	-514.68
159+00	0.02	0.05	0.05	91.06	399.66	153.18	153.18	1067.46	-914.28
160+00	0	0.04	0.04	96.18	461.18	153.22	153.22	1528.64	-1375.42
161+00	0	0	0	77.37	427.45	153.22	153.22	1956.09	-1802.87
161+50	0	0	0	68.31	179.4	153.22	153.22	2135.5	-1982.28
161+93	0.9	0.71	0.71	58.14	132.82	153.94	153.94	2268.32	-2114.38
162+00	1.44	0.32	0.32	56.14	20.71	154.26	154.26	2289.02	-2134.77
163+00	2.67	7.62	7.62	31.58	216.05	161.87	161.87	2505.07	-2343.2
164+00	10.71	24.78	24.78	11	104.86	186.65	186.65	2609.93	-2423.28
164+49	10.71	19.49	19.49	5.5	19.96	206.15	206.15	2629.9	-2423.75
165+00	10.69	20.16	20.16	0.86	7.96	226.3	226.3	2637.86	-2411.55
166+00	10.14	38.57	38.57	0	2.11	264.88	264.88	2639.97	-2375.09
167+00	10.42	38.08	38.08	0	0	302.96	302.96	2639.97	-2337.01
167+20	10.44	7.84	7.84	0	0	310.8	310.8	2639.97	-2329.17

STAGE 7

Alignment: IH 94 WB Ref Line

Start Sta: 563+40

End Sta: 695+04

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
563+40	1.64	0	0	0.42	0	0	0	0	0
564+00	6.74	9.33	9.33	2.75	4.7	9.33	9.33	4.7	4.63
565+00	4.21	20.27	20.27	10.51	32.66	29.6	29.6	37.36	-7.75
566+00	3.58	14.43	14.43	19.11	72.95	44.03	44.03	110.31	-66.28
566+60	77.64	90.25	90.25	11.19	44.78	134.28	134.28	155.09	-20.81
567+00	74.45	112.66	112.66	12.48	23.31	246.94	246.94	178.4	68.54
568+00	94.52	312.91	312.91	5.76	44.92	559.85	559.85	223.33	336.52
569+00	97.78	356.1	356.1	9.59	37.81	915.95	915.95	261.13	654.82
570+00	90.16	348.04	348.04	10.94	50.58	1263.99	1263.99	311.71	952.28
571+00	96.67	345.98	345.98	59.72	174.04	1609.97	1609.97	485.75	1124.22
571+34	93.41	119.48	119.48	24.57	70.47	1729.45	1729.45	556.22	1173.23
572+00	104.44	242.03	242.03	6.75	50.96	1971.48	1971.48	607.18	1364.3
572+53	112.22	213.05	213.05	3.27	13.11	2184.54	2184.54	620.3	1564.24
572+78	103.74	99.98	99.98	1.58	2.99	2284.52	2284.52	623.28	1661.23
573+00	116.21	89.2	89.2	0.19	0.96	2373.72	2373.72	624.24	1749.48
573+03	117.84	13.44	13.44	0.16	0.03	2387.15	2387.15	624.27	1762.89
574+00	116.51	420.53	420.53	0	0.39	2807.68	2807.68	624.65	2183.02
575+00	104.38	409.05	409.05	1.24	3.06	3216.73	3216.73	627.72	2589.01
576+00	116.35	408.75	408.75	0	3.06	3625.48	3625.48	630.78	2994.7
577+00	122.93	443.11	443.11	0	0	4068.59	4068.59	630.78	3437.81
578+00	129.38	467.24	467.24	0.39	0.97	4535.83	4535.83	631.75	3904.08
579+00	130.52	481.29	481.29	0.36	1.86	5017.12	5017.12	633.61	4383.51
579+50	134.21	246.09	246.09	1.59	2.41	5263.21	5263.21	636.03	4627.19
579+76	137.6	127.4	127.4	4.41	3.74	5390.61	5390.61	639.77	4750.84
580+00	131.38	122	122	7.91	7.43	5512.61	5512.61	647.2	4865.41
580+01	131.54	3.95	3.95	8.03	0.32	5516.56	5516.56	647.52	4869.04
581+00	137.09	493.42	493.42	4.74	31.19	6009.99	6009.99	678.71	5331.28
582+00	141.34	515.61	515.61	6.27	27.11	6525.6	6525.6	705.82	5819.78
583+00	246.51	718.23	718.23	2.23	20.94	7243.83	7243.83	726.75	6517.08
584+00	150.65	735.47	735.47	1.41	8.97	7979.3	7979.3	735.72	7243.58
585+00	161.99	578.96	578.96	3.42	11.88	8558.26	8558.26	747.6	7810.66
586+00	165.91	607.22	607.22	4.88	20.43	9165.48	9165.48	768.03	8397.45
587+00	170.87	623.65	623.65	2.15	17.31	9789.13	9789.13	785.34	9003.79
588+00	167.35	626.32	626.32	3.2	13.17	10415.45	10415.45	798.51	9616.94
589+00	174.79	633.59	633.59	1.61	11.84	11049.04	11049.04	810.35	10238.69
590+00	230.23	750.03	750.03	13.07	36.15	11799.07	11799.07	846.5	10952.57
591+00	191.73	781.41	781.41	13.98	66.63	12580.47	12580.47	913.13	11667.35
592+00	137.56	609.81	609.81	11.53	62.83	13190.29	13190.29	975.96	12214.33
593+00	125.81	487.72	487.72	6.98	45.58	13678.01	13678.01	1021.54	12656.47
594+00	107.11	431.32	431.32	35.28	104.08	14109.33	14109.33	1125.61	12983.72
594+49	95.52	185.39	185.39	132.6	204.29	14294.72	14294.72	1329.9	12964.82
595+00	93.1	176.71	176.71	208.77	425.37	14471.43	14471.43	1755.28	12716.16
595+57	96.11	199.32	199.32	216.96	596.48	14670.76	14670.76	2351.75	12319
596+00	98.22	155.16	155.16	322.5	572.85	14825.91	14825.91	2924.61	11901.31
597+00	95.82	359.32	359.32	234.26	1371.29	15185.23	15185.23	4295.9	10889.33
598+00	98.76	360.33	360.33	97.88	818.07	15545.57	15545.57	5113.97	10431.59
599+00	84.18	338.79	338.79	10.43	266.78	15884.36	15884.36	5380.75	10503.61
600+00	92.58	327.33	327.33	11.48	53.97	16211.69	16211.69	5434.72	10776.97
601+00	68.17	297.69	297.69	14.66	64.38	16509.38	16509.38	5499.11	11010.27
602+00	63.5	243.84	243.84	53.05	166.77	16753.21	16753.21	5665.88	11087.34
603+00	56.15	221.58	221.58	101.45	380.54	16974.79	16974.79	6046.42	10928.38
604+00	50.13	196.82	196.82	197.58	736.51	17171.61	17171.61	6782.92	10388.69
604+27	52.27	50.34	50.34	314.46	334.78	17221.95	17221.95	7117.7	10104.24
605+00	50.01	139.13	139.13	291.89	1096.97	17361.08	17361.08	8214.67	9146.41
606+00	50.74	186.57	186.57	239.23	1308.13	17547.65	17547.65	9522.8	8024.85
607+00	46.55	180.16	180.16	271.77	1258.58	17727.8	17727.8	10781.38	6946.43
608+00	42.3	164.55	164.55	277.01	1351.63	17892.35	17892.35	12133.01	5759.34
609+00	51.77	174.22	174.22	408.02	1687.21	18066.57	18066.57	13820.22	4246.35
610+00	44.65	178.55	178.55	408.44	2010.9	18245.12	18245.12	15831.12	2414
611+00	41.48	159.5	159.5	405.7	2005.19	18404.61	18404.61	17836.31	568.3
611+79	46.6	129.51	129.51	419.87	1614.39	18534.12	18534.12	19450.7	-916.57
612+00	47.03	35.73	35.73	434.19	433.43	18569.85	18569.85	19884.13	-1314.27
613+00	46.03	172.34	172.34	419.6	2102.85	18742.19	18742.19	21986.98	-3244.79
614+00	41.53	162.14	162.14	346.88	1887.8	18904.33	18904.33	23874.77	-4970.44

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Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
615+00	39.34	149.76	149.76	335.21	1679.95	19054.1	19054.1	25554.72	-6500.62
616+00	39.43	145.88	145.88	381.04	1764.09	19199.97	19199.97	27318.81	-8118.84
617+00	41.33	149.56	149.56	423.05	1980.45	19349.53	19349.53	29299.26	-9949.73
618+00	30.57	133.14	133.14	332.36	1860.54	19482.67	19482.67	31159.8	-11677.13
619+00	33.09	117.88	117.88	267.98	1478.6	19600.55	19600.55	32638.4	-13037.85
620+00	34.61	125.37	125.37	231.01	1228.98	19725.91	19725.91	33867.38	-14141.46
620+63	32.29	77.59	77.59	287.83	800.25	19803.5	19803.5	34667.62	-14864.12
621+00	27.35	41.28	41.28	130.96	385.52	19844.78	19844.78	35053.14	-15208.35
621+03	26.69	3.15	3.15	124.01	19.77	19847.94	19847.94	35072.91	-15224.97
621+28	25.68	23.85	23.85	101.15	136.4	19871.79	19871.79	35209.31	-15337.52
621+52	27.13	24.09	24.09	109.15	127.56	19895.88	19895.88	35336.87	-15440.99
622+00	29.14	49.63	49.63	49.28	185.85	19945.51	19945.51	35522.72	-15577.21
623+00	52.52	151.23	151.23	17.58	164.66	20096.74	20096.74	35687.37	-15590.64
624+00	61.19	210.58	210.58	17.69	86.85	20307.32	20307.32	35774.23	-15466.91
625+00	65.77	235.11	235.11	23.99	102.64	20542.43	20542.43	35876.87	-15334.44
626+00	63.35	239.11	239.11	34.81	144.83	20781.54	20781.54	36021.7	-15240.16
627+00	78.78	263.2	263.2	31.81	164.1	21044.75	21044.75	36185.8	-15141.05
628+00	107.86	345.64	345.64	14.85	114.93	21390.38	21390.38	36300.73	-14910.35
629+00	133.29	446.57	446.57	15.28	74.22	21836.96	21836.96	36374.95	-14537.99
630+00	150.46	525.46	525.46	13.11	69.93	22362.42	22362.42	36444.88	-14082.46
631+00	157.35	570.02	570.02	51.15	158.28	22932.44	22932.44	36603.16	-13670.73
631+91	141.32	505.45	505.45	102.9	346.74	23437.89	23437.89	36949.9	-13512.01
632+00	139.56	44.81	44.81	111.53	45.5	23482.7	23482.7	36995.4	-13512.7
632+31	139.33	158.07	158.07	217.52	248.04	23640.77	23640.77	37243.43	-13602.67
633+00	135.31	352.94	352.94	92.94	530.62	23993.71	23993.71	37774.05	-13780.34
634+00	141.67	512.93	512.93	50.36	352.96	24506.64	24506.64	38127.02	-13620.38
635+00	136.63	515.36	515.36	100.14	370.68	25022	25022	38497.69	-13475.69
636+00	136.09	505.04	505.04	105.21	505.75	25527.04	25527.04	39003.45	-13476.41
638+00	96.59	823.42	823.42	144.65	1175.97	26350.46	26350.46	40179.42	-13828.96
639+00	84.31	334.99	334.99	228.72	919.59	26685.45	26685.45	41099.01	-14413.55
640+00	77.34	299.34	299.34	227.41	1123.42	26984.8	26984.8	42222.42	-15237.63
641+00	81.9	294.89	294.89	154.53	940.7	27279.69	27279.69	43163.13	-15883.44
642+00	88.62	315.78	315.78	28.29	450.29	27595.47	27595.47	43613.41	-16017.94
643+00	88.02	327.11	327.11	33.62	152.49	27922.59	27922.59	43765.9	-15843.31
644+00	97.12	342.86	342.86	28.72	153.55	28265.44	28265.44	43919.45	-15654.01
644+03	97.21	11.16	11.16	29.15	4.42	28276.6	28276.6	43923.87	-15647.27
644+28	96.2	89.92	89.92	30.92	37.14	28366.52	28366.52	43961.01	-15594.49
644+53	94.74	88.03	88.03	31.71	38.4	28454.55	28454.55	43999.41	-15544.86
645+00	89.34	159.88	159.88	27.38	68.26	28614.43	28614.43	44067.66	-15453.24
646+00	92.81	337.31	337.31	67.84	234.54	28951.74	28951.74	44302.2	-15350.46
647+00	95.64	348.98	348.98	165.76	575.34	29300.72	29300.72	44877.54	-15576.82
648+00	90.36	344.45	344.45	122.5	709.97	29645.18	29645.18	45587.52	-15942.34
649+00	90.35	334.66	334.66	21.59	354.9	29979.83	29979.83	45942.42	-15962.59
650+00	87.42	329.21	329.21	20.71	104.19	30309.04	30309.04	46046.61	-15737.56
651+00	88.77	326.27	326.27	13.94	85.33	30635.32	30635.32	46131.94	-15496.63
652+00	87.1	325.67	325.67	22.64	90.08	30960.99	30960.99	46222.02	-15261.03
653+00	85.19	319.05	319.05	31.62	133.63	31280.04	31280.04	46355.65	-15075.61
654+00	80.07	306.04	306.04	47.54	194.98	31586.08	31586.08	46550.63	-14964.55
655+00	88.04	311.32	311.32	35.32	204.09	31897.39	31897.39	46754.72	-14857.32
656+00	88.26	326.47	326.47	31.8	165.32	32223.86	32223.86	46920.04	-14696.17
657+00	91.06	332.08	332.08	33.79	161.56	32555.94	32555.94	47081.59	-14525.65
658+00	92.78	340.44	340.44	45.51	195.32	32896.38	32896.38	47276.91	-14380.53
659+00	92.96	343.96	343.96	59.44	258.49	33240.34	33240.34	47535.41	-14295.07
660+00	99.47	356.34	356.34	48.53	265.94	33596.68	33596.68	47801.34	-14204.66
661+00	105.12	378.87	378.87	41.37	221.44	33975.55	33975.55	48022.78	-14047.23
662+00	100.92	381.56	381.56	46.76	217.07	34357.11	34357.11	48239.85	-13882.74
663+00	100.69	373.35	373.35	36.85	205.92	34730.45	34730.45	48445.77	-13715.31
664+00	97.6	367.19	367.19	33.47	173.18	35097.65	35097.65	48618.95	-13521.3
665+00	94.46	355.65	355.65	25.9	146.21	35453.3	35453.3	48765.16	-13311.86
665+62	92.92	216.57	216.57	25.27	78.66	35669.87	35669.87	48843.82	-13173.94
666+00	92.7	129.2	129.2	25.9	47.37	35799.08	35799.08	48891.18	-13092.11
667+00	95.54	348.59	348.59	23.19	120.9	36147.67	36147.67	49012.09	-12864.42
668+00	97.82	358.08	358.08	25.33	119.51	36505.75	36505.75	49131.6	-12625.85
669+00	97.4	361.52	361.52	24.61	123.01	36867.27	36867.27	49254.61	-12387.34

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Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
670+00	97.78	361.44	361.44	23.11	117.54	37228.72	37228.72	49372.15	-12143.43
671+00	101.44	368.93	368.93	22.81	113.1	37597.65	37597.65	49485.26	-11887.61
671+53	109.55	207.42	207.42	21.6	58.08	37805.06	37805.06	49543.33	-11738.27
671+78	111.4	102.93	102.93	21.28	26.57	37907.99	37907.99	49569.9	-11661.91
672+00	112.38	90.17	90.17	20.78	22.54	37998.16	37998.16	49592.44	-11594.28
672+03	113.65	14.08	14.08	20.75	3.44	38012.24	38012.24	49595.88	-11583.64
673+00	121.92	421.56	421.56	98.86	284.69	38433.8	38433.8	49880.57	-11446.77
674+00	114.72	438.21	438.21	106.6	506.04	38872.01	38872.01	50386.61	-11514.6
675+00	100.76	399.02	399.02	39.2	359.1	39271.03	39271.03	50745.71	-11474.68
675+63	99.18	234.85	234.85	8.15	73.98	39505.87	39505.87	50819.69	-11313.82
676+00	108.23	140.47	140.47	6.9	13.56	39646.34	39646.34	50833.25	-11186.91
677+00	106.49	397.63	397.63	7.26	34.89	40043.98	40043.98	50868.14	-10824.16
678+00	110.31	401.49	401.49	6.94	34.97	40445.46	40445.46	50903.11	-10457.65
679+00	105.53	370.2	370.2	8.34	34.85	40815.67	40815.67	50937.96	-10122.29
680+00	92.82	367.3	367.3	11.05	47.76	41182.97	41182.97	50985.72	-9802.76
681+00	92.4	342.99	342.99	9.75	51.23	41525.95	41525.95	51036.95	-9511
682+00	86.17	330.68	330.68	12.77	55.45	41856.64	41856.64	51092.4	-9235.76
683+00	89.3	324.95	324.95	11.7	60.26	42181.59	42181.59	51152.66	-8971.07
684+00	82.58	318.29	318.29	15.52	67.04	42499.88	42499.88	51219.69	-8719.81
685+00	71.41	285.16	285.16	21.07	90.11	42785.04	42785.04	51309.81	-8524.77
686+00	7.59	146.29	146.29	20.83	103.2	42931.33	42931.33	51413.01	-8481.68
686+59	7.59	16.52	16.52	20.83	60.32	42947.85	42947.85	51473.33	-8525.48
687+00	14.23	16.66	16.66	20.83	42.31	42964.51	42964.51	51515.64	-8551.13
688+00	14.23	52.7	52.7	20.83	102.63	43017.21	43017.21	51618.26	-8601.05
689+00	7.59	40.41	40.41	20.84	102.64	43057.62	43057.62	51720.9	-8663.28
690+00	7.59	28.11	28.11	20.84	102.66	43085.73	43085.73	51823.56	-8737.83
691+00	7.59	28.11	28.11	20.84	102.67	43113.84	43113.84	51926.24	-8812.4
692+00	8.43	29.66	29.66	18.13	95.99	43143.5	43143.5	52022.23	-8878.73
693+00	9.05	32.37	32.37	9.62	68.33	43175.87	43175.87	52090.56	-8914.69
694+00	8.5	32.49	32.49	0.97	26.07	43208.36	43208.36	52116.63	-8908.27
695+00	8.5	31.48	31.48	0	2.39	43239.84	43239.84	52119.02	-8879.18
695+04	8.49	1.12	1.12	0	0	43240.96	43240.96	52119.02	-8878.07

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9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	COMPUTER EARTHWORK DATA	SHEET 892	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\090100_EW.DWG
LAYOUT NAME - 50

PLOT DATE : 8/15/2018 10:47 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

STAGE 8A
Alignment: west-Stage-8E-EB-centerline-passing
Start Sta: 4+05
End Sta: 13+11

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
4+05	5.22	0	0	0	0	0	0	0	0
5+00	7.96	23.14	23.14	0	0	23.14	23.14	0	23.14
6+00	27.75	66.13	66.13	0	0	89.26	89.26	0	89.26
7+00	34.05	114.44	114.44	1	2.47	203.7	203.7	2.47	201.23
8+00	43.13	142.93	142.93	0.36	3.37	346.64	346.64	5.85	340.79
9+00	25.2	126.54	126.54	0.65	2.5	473.17	473.17	8.35	464.82
10+00	41.26	123.07	123.07	0	1.61	596.25	596.25	9.96	586.29
11+00	32.91	137.35	137.35	0	0	733.59	733.59	9.96	723.64
12+00	24.75	106.77	106.77	1.67	4.12	840.36	840.36	14.08	826.29
13+00	20.22	83.27	83.27	2.6	10.52	923.64	923.64	24.6	899.04
13+11	17.25	7.78	7.78	5.67	2.29	931.42	931.42	26.88	904.54

STAGE 8A
Alignment: west-Stage-8E-EB-centerline-driving
Start Sta: 8+76
End Sta: 14+27

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
8+76	6.29	0	0	0	0	0	0	0	0
9+00	7.05	6.04	6.04	0	0	6.04	6.04	0	6.04
10+00	13.76	38.53	38.53	0	0	44.58	44.58	0	44.58
11+00	24.05	70.02	70.02	0	0	114.59	114.59	0	114.59
12+00	30.2	100.47	100.47	0	0	215.07	215.07	0	215.07
13+00	26.44	104.89	104.89	0	0	319.95	319.95	0	319.95
14+00	28.87	102.42	102.42	0.38	0.94	422.37	422.37	0.94	421.44
14+27	27.84	28.65	28.65	0.59	0.65	451.02	451.02	1.58	449.44

STAGE 8A
Alignment: west-Stage-8E-EB-centerline-driving
Start Sta: 146+87
End Sta: 153+95

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
146+87	10.34	0	0	0	0	0	0	0	0
147+00	10.38	5.18	5.18	0	0	5.18	5.18	0	5.18
148+00	10.53	38.73	38.73	0.75	1.86	43.91	43.91	1.86	42.05
149+00	18.17	53.14	53.14	1.61	5.83	97.05	97.05	7.69	89.36
150+00	24.35	78.74	78.74	0.68	5.65	175.79	175.79	13.34	162.45
151+00	28.45	97.78	97.78	0.02	1.73	273.57	273.57	15.07	258.5
152+00	28.45	105.37	105.37	0.02	0.11	378.94	378.94	15.18	363.75
153+00	28.48	105.42	105.42	0.02	0.11	484.36	484.36	15.29	469.07
153+95	34.51	110.34	110.34	0	0.05	594.7	594.7	15.34	579.37

STAGE 8A
Alignment: west-Stage-8E-EB-centerline-passing
Start Sta: 149+64
End Sta: 162+25

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
149+64	9.88	0	0	0.83	0	0	0	0	0
150+00	10.38	13.51	13.51	2.28	2.76	13.51	13.51	2.76	10.75
151+00	10.72	39.08	39.08	18.58	51.38	52.59	52.59	54.13	-1.55
152+00	11.9	41.89	41.89	37.35	137.75	94.47	94.47	191.89	-97.41
153+00	0.06	22.14	22.14	76.57	280.58	116.61	116.61	472.46	-355.85
154+00	0	0.11	0.11	118.26	479.86	116.72	116.72	952.33	-835.61
155+00	0	0	0	131.82	615.93	116.72	116.72	1568.26	-1451.54
155+50	0	0	0	126.2	317.73	116.72	116.72	1885.99	-1769.27
156+00	0	0	0	114.42	296.31	116.72	116.72	2182.3	-2065.58
157+00	13.04	24.16	24.16	77.05	471.56	140.87	140.87	2653.87	-2512.99
158+00	36.36	91.48	91.48	14.7	225.97	232.35	232.35	2879.84	-2647.48
159+00	54.97	169.12	169.12	0	36.21	401.47	401.47	2916.05	-2514.58
160+00	85.52	260.17	260.17	0.79	1.95	661.64	661.64	2917.99	-2256.35
161+00	109.06	360.35	360.35	0	1.95	1021.99	1021.99	2919.94	-1897.94
162+00	11.81	223.85	223.85	0	0	1245.84	1245.84	2919.94	-1674.1
162+25	11.84	10.86	10.86	0	0	1256.7	1256.7	2919.94	-1663.23

STAGE 8E-H

Alignment: IH 94 EB Ref Line

Start Sta: 566+60

End Sta: 685+00

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
566+60	80.46	0	0	0	0	0	0	0	0
568+00	93.42	450.18	450.18	0	0	450.18	450.18	0	450.18
569+00	103.56	364.79	364.79	0	0	814.97	814.97	0	814.97
570+00	102.67	381.91	381.91	0	0	1196.88	1196.88	0	1196.88
571+00	99.3	374.01	374.01	0	0	1570.88	1570.88	0	1570.88
571+34	101.06	125.95	125.95	0	0	1696.83	1696.83	0	1696.83
572+00	116.4	266.01	266.01	0	0	1962.84	1962.84	0	1962.84
573+00	146.53	486.91	486.91	0	0	2449.76	2449.76	0	2449.76
573+20	151.87	110.52	110.52	0	0	2560.27	2560.27	0	2560.27
573+45	131.76	131.31	131.31	0	0	2691.59	2691.59	0	2691.59
573+70	141.84	126.67	126.67	0	0	2818.25	2818.25	0	2818.25
574+00	145.78	159.79	159.79	0	0	2978.04	2978.04	0	2978.04
575+00	116.24	485.22	485.22	0	0	3463.26	3463.26	0	3463.26
576+00	123.06	443.13	443.13	0	0	3906.39	3906.39	0	3906.39
577+00	127.37	463.76	463.76	0	0	4370.15	4370.15	0	4370.15
578+00	109.4	438.46	438.46	0	0	4808.61	4808.61	0	4808.61
579+00	160.08	499.02	499.02	7.8	19.21	5307.64	5307.64	19.21	5288.43
579+47	143.4	265.34	265.34	20.92	33.4	5572.97	5572.97	52.6	5520.37
579+72	147.36	133.2	133.2	18.88	24.25	5706.18	5706.18	76.85	5629.32
579+97	134.48	130.3	130.3	9.4	17.39	5836.48	5836.48	94.24	5742.24
580+00	129.44	15.06	15.06	9.04	1.4	5851.54	5851.54	95.64	5755.9
581+00	117.37	457.04	457.04	7.95	41.83	6308.58	6308.58	137.47	6171.11
582+00	111.61	424.03	424.03	5.3	32.62	6732.61	6732.61	170.09	6562.52
583+00	137.55	461.41	461.41	1.08	15.72	7194.02	7194.02	185.82	7008.2
583+12	144.48	61.73	61.73	1.5	0.75	7255.75	7255.75	186.57	7069.18
584+00	160.1	497.37	497.37	1.8	7.16	7753.12	7753.12	193.72	7559.39
585+00	141.44	558.41	558.41	3.9	14.02	8311.53	8311.53	207.74	8103.79
586+00	96.11	439.91	439.91	10.64	35.8	8751.45	8751.45	243.54	8507.91
587+00	91.37	347.19	347.19	10.12	51.13	9098.63	9098.63	294.67	8803.96
588+00	80.42	318.13	318.13	2.29	30.58	9416.76	9416.76	325.25	9091.52
589+00	81.45	299.76	299.76	70.9	180.27	9716.53	9716.53	505.52	9211.01
590+00	89.21	316.03	316.03	373.13	1093.62	10032.56	10032.56	1599.13	8433.43
591+00	91.54	334.71	334.71	205	1423.89	10367.27	10367.27	3023.03	7344.25
592+00	95.58	346.51	346.51	7.08	522.33	10713.79	10713.79	3545.36	7168.43
592+27	97.35	96.46	96.46	7.3	9.56	10810.25	10810.25	3554.92	7255.33
593+00	94.31	259.08	259.08	5.04	22.17	11069.34	11069.34	3577.09	7492.25
593+47	94.13	163.66	163.66	1.74	7.83	11232.99	11232.99	3584.92	7648.07
593+72	92.05	86.19	86.19	1.84	2.21	11319.19	11319.19	3587.13	7732.06
593+97	91.81	85.12	85.12	0.51	1.45	11404.31	11404.31	3588.58	7815.72
594+00	91.71	10.54	10.54	0.32	0.06	11414.84	11414.84	3588.65	7826.2
595+00	91.49	339.27	339.27	0.21	1.3	11754.11	11754.11	3589.94	8164.17
596+00	86.51	329.63	329.63	304.9	751.47	12083.74	12083.74	4341.41	7742.33
597+00	88.64	324.34	324.34	547.43	2099.26	12408.08	12408.08	6440.67	5967.41
598+00	82.11	316.19	316.19	756.63	3211.86	12724.27	12724.27	9652.53	3071.74
599+00	85.58	310.54	310.54	1.17	1866.44	13034.82	13034.82	11518.97	1515.85
600+00	93.56	331.74	331.74	1.75	7.19	13366.56	13366.56	11526.15	1840.4
601+00	99.28	357.1	357.1	1.11	7.03	13723.65	13723.65	11533.19	2190.47
602+00	103.95	376.35	376.35	7.38	20.9	14100.01	14100.01	11554.08	2545.92
603+00	103.32	383.84	383.84	0	18.17	14483.85	14483.85	11572.26	2911.59
604+00	113.77	402.02	402.02	0	0	14885.87	14885.87	11572.26	3313.61
605+00	142.8	475.12	475.12	0	0	15360.99	15360.99	11572.26	3788.74
606+00	153	547.77	547.77	0	0	15908.76	15908.76	11572.26	4336.51
607+00	179.13	615.06	615.06	0.63	1.56	16523.83	16523.83	11573.82	4950.01
607+20	180.11	132.81	132.81	4.05	2.3	16656.64	16656.64	11576.12	5080.52
608+00	193.26	553.4	553.4	0	7.97	17210.04	17210.04	11584.09	5625.94
609+00	196.1	721.04	721.04	0	0	17931.07	17931.07	11584.09	6346.98
610+00	209.09	750.34	750.34	0	0	18681.41	18681.41	11584.09	7097.32
611+00	191.06	741.01	741.01	0	0	19422.42	19422.42	11584.09	7838.33
612+00	217.59	756.75	756.75	0	0	20179.17	20179.17	11584.09	8595.08
613+00	198.16	769.9	769.9	0	0	20949.07	20949.07	11584.09	9364.97
614+00	209.71	755.31	755.31	0	0	21704.38	21704.38	11584.09	10120.29

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Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
615+00	307.67	958.12	958.12	0	0	22662.5	22662.5	11584.09	11078.4
616+00	286.54	1100.38	1100.38	0	0	23762.88	23762.88	11584.09	12178.79
617+00	220.99	939.85	939.85	0	0	24702.74	24702.74	11584.09	13118.64
618+00	159.49	704.58	704.58	0	0	25407.32	25407.32	11584.09	13823.23
619+00	148.61	570.55	570.55	0	0	25977.87	25977.87	11584.09	14393.77
619+47	137.83	248.77	248.77	8.83	10.19	26226.64	26226.64	11594.29	14632.35
619+72	126.33	122.3	122.3	6.38	9.36	26348.94	26348.94	11603.65	14745.29
619+97	120.3	114.18	114.18	4.6	6.76	26463.12	26463.12	11610.41	14852.71
620+00	119.7	13.78	13.78	4.25	0.68	26476.89	26476.89	11611.09	14865.81
621+00	123.27	449.94	449.94	74.45	193.86	26926.84	26926.84	11804.94	15121.89
622+00	122.52	455.17	455.17	165.48	590.95	27382.01	27382.01	12395.89	14986.12
623+00	120.9	450.78	450.78	0	407.57	27832.79	27832.79	12803.47	15029.32
623+25	122.61	112.74	112.74	0	0	27945.53	27945.53	12803.47	15142.06
623+81	121.52	255.03	255.03	0	0	28200.55	28200.55	12803.47	15397.09
624+00	118.81	82.74	82.74	0	0	28283.29	28283.29	12803.47	15479.83
625+00	125.13	451.75	451.75	0	0	28735.04	28735.04	12803.47	15931.57
626+00	123.14	459.77	459.77	0.13	0.32	29194.81	29194.81	12803.78	16391.03
627+00	133.43	475.13	475.13	125.87	310.32	29669.94	29669.94	13114.11	16555.84
628+00	147.34	519.94	519.94	58.96	455.23	30189.88	30189.88	13569.34	16620.55
629+00	136.87	526.31	526.31	11.35	173.19	30716.2	30716.2	13742.53	16973.67
630+00	135.85	505.04	505.04	0.04	28.06	31221.23	31221.23	13770.59	17450.65
630+25	142.77	128.98	128.98	0	0.02	31350.22	31350.22	13770.61	17579.61
631+00	155.13	413.77	413.77	0	0	31763.98	31763.98	13770.61	17993.38
632+00	167.41	597.3	597.3	0	0	32361.29	32361.29	13770.61	18590.68
633+00	136.18	562.2	562.2	0	0	32923.49	32923.49	13770.61	19152.88
634+00	120.41	475.16	475.16	0	0	33398.65	33398.65	13770.61	19628.05
635+00	115.63	437.12	437.12	0	0	33835.77	33835.77	13770.61	20065.16
636+00	110.66	419.06	419.06	0	0	34254.83	34254.83	13770.61	20484.22
639+00	154.25	440.55	440.55	0	0	34695.38	34695.38	13770.61	20924.77
640+00	156.01	574.55	574.55	0	0	35269.93	35269.93	13770.61	21499.32
641+00	132.53	534.34	534.34	0	0	35804.27	35804.27	13770.61	22033.66
642+00	106.93	443.46	443.46	0	0	36247.73	36247.73	13770.61	22477.12
643+00	111.34	404.2	404.2	0	0	36651.93	36651.93	13770.61	22881.32
644+00	112.33	414.2	414.2	0	0	37066.13	37066.13	13770.61	23295.52
645+00	106.88	405.94	405.94	0	0	37472.06	37472.06	13770.61	23701.45
646+00	103.74	390.03	390.03	0	0	37862.09	37862.09	13770.61	24091.48
647+00	109.77	395.38	395.38	0	0	38257.46	38257.46	13770.61	24486.86
648+00	108.2	403.64	403.64	0	0	38661.1	38661.1	13770.61	24890.49
649+00	103.36	391.77	391.77	0	0	39052.87	39052.87	13770.61	25282.27
650+00	108.89	393.06	393.06	0	0	39445.94	39445.94	13770.61	25675.33
651+00	106.64	399.13	399.13	0	0	39845.06	39845.06	13770.61	26074.46
652+00	103.29	388.76	388.76	0	0	40233.82	40233.82	13770.61	26463.22
653+00	100.95	378.24	378.24	0	0	40612.06	40612.06	13770.61	26841.45
654+00	93.9	360.85	360.85	0	0	40972.91	40972.91	13770.61	27202.3
655+00	83.18	327.93	327.93	0	0	41300.84	41300.84	13770.61	27530.23
656+00	99.61	338.49	338.49	0	0	41639.33	41639.33	13770.61	27868.72
657+00	106.94	382.5	382.5	15.39	37.92	42021.83	42021.83	13808.52	28213.31
658+00	99.33	381.99	381.99	12.98	69.89	42403.82	42403.82	13878.41	28525.41
659+00	99.72	368.61	368.61	0	31.97	42772.43	42772.43	13910.38	28862.05
660+00	102.86	375.15	375.15	23.42	57.68	43147.58	43147.58	13968.07	29179.51
660+47	99.83	176.04	176.04	47.71	82.16	43323.62	43323.62	14050.23	29273.4
660+72	99.68	92.36	92.36	27.49	46.3	43415.98	43415.98	14096.53	29319.45
660+97	99.18	92.06	92.06	22.06	30.51	43508.05	43508.05	14127.04	29381
660+99	99.18	6.59	6.59	21.73	1.93	43514.63	43514.63	14128.98	29385.66
661+00	99.17	4.8	4.8	21.47	1.39	43519.43	43519.43	14130.37	29389.07
662+00	94.24	358.18	358.18	71.68	229.42	43877.61	43877.61	14359.79	29517.82
663+00	100.45	360.53	360.53	143.47	529.9	44238.14	44238.14	14889.7	29348.45
664+00	137.24	440.16	440.16	1.98	358.24	44678.3	44678.3	15247.94	29430.37
665+00	131.52	497.7	497.7	1.43	8.41	45176	45176	15256.35	29919.65
665+06	131.87	28.91	28.91	1.35	0.41	45204.91	45204.91	15256.76	29948.16
665+68	123.79	293.44	293.44	0.02	2.08	45498.35	45498.35	15258.84	30239.52
665+75	121.02	34.4	34.4	0	0	45532.75	45532.75	15258.84	30273.91
666+00	110.69	105.15	105.15	0.13	0.08	45637.9	45637.9	15258.92	30378.98
667+00	95.3	381.46	381.46	82.46	203.42	46019.36	46019.36	15462.34	30557.02
668+00	103.42	368.01	368.01	83.84	409.59	46387.37	46387.37	15871.93	30515.44
668+98	94.15	358.75	358.75	94.06	429.62	46746.12	46746.12	16301.55	30444.57
669+00	94.34	6.8	6.8	93.9	9.02	46752.92	46752.92	16310.57	30442.35

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Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
670+00	101.38	362.44	362.44	0.94	233.58	47115.36	47115.36	16544.15	30571.21
671+00	103.4	379.22	379.22	126.13	312.96	47494.58	47494.58	16857.12	30637.46
672+00	107.7	390.92	390.92	0	310.65	47885.5	47885.5	17167.77	30717.73
673+00	106.44	396.54	396.54	0.02	0.06	48282.04	48282.04	17167.83	31114.22
674+00	110.06	400.91	400.91	23.86	58.82	48682.95	48682.95	17226.65	31456.3
675+00	116.86	420.22	420.22	0	58.76	49103.17	49103.17	17285.41	31817.77
675+89	99.92	355.61	355.61	0	0.01	49458.78	49458.78	17285.42	32173.36
675+94	101.4	19.34	19.34	0	0	49478.12	49478.12	17285.42	32192.7
676+00	102.24	23.5	23.5	0	0	49501.62	49501.62	17285.42	32216.2
676+00	101.73	48.76	48.76	1.51	0.48	49550.38	49550.38	17285.9	32264.49
676+97	116.22	391.1	391.1	33.22	82.89	49941.49	49941.49	17368.78	32572.7
677+00	116.29	13.35	13.35	27.68	4.65	49954.83	49954.83	17373.43	32581.4
677+22	118.17	95.09	95.09	9.06	19.82	50049.92	50049.92	17393.25	32656.67
677+47	117.53	109.12	109.12	2.69	7.24	50159.04	50159.04	17400.49	32758.55
678+00	113.08	226.77	226.77	1.87	5.96	50385.82	50385.82	17406.45	32979.36
679+00	113.83	420.21	420.21	5.39	17.88	50806.03	50806.03	17424.34	33381.69
680+00	115.13	424.01	424.01	0.07	13.45	51230.04	51230.04	17437.78	33792.26
681+00	115.84	427.74	427.74	0	0.17	51657.78	51657.78	17437.95	34219.83
682+00	108.5	415.45	415.45	0	0	52073.23	52073.23	17437.96	34635.27
683+00	106.52	398.19	398.19	0	0	52471.42	52471.42	17437.97	35033.45
683+98	100.83	375	375	0.02	0.04	52846.42	52846.42	17438.01	35408.41
684+00	100.29	8.71	8.71	0.01	0	52855.13	52855.13	17438.01	35417.12
685+00	87.88	348.46	348.46	0.06	0.19	53203.59	53203.59	17438.2	35765.38

STAGE 9B

Alignment: IH 94 EB Ref Line

Start Sta: 557+55

End Sta: 566+60

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
557+55	5.43	0	0	0.02	0	0	0	0	0
558+00	7.01	10.31	10.31	0.02	0.05	10.31	10.31	0.05	10.27
558+50	7.79	13.7	13.7	0.02	0.05	24.01	24.01	0.1	23.91
559+00	11.23	17.61	17.61	0.02	0.05	41.62	41.62	0.16	41.46
559+50	15.3	24.57	24.57	0	0.03	66.18	66.18	0.18	66
560+00	17.87	30.72	30.72	0	0	96.9	96.9	0.18	96.72
560+50	17.86	33.08	33.08	0	0	129.98	129.98	0.18	129.8
561+00	17.85	33.06	33.06	0	0	163.04	163.04	0.18	162.86
561+50	18.16	33.34	33.34	0	0	196.38	196.38	0.18	196.2
562+00	19.19	34.58	34.58	0	0	230.96	230.96	0.18	230.78
562+50	19.07	35.43	35.43	0	0	266.39	266.39	0.18	266.21
563+00	13.41	30.08	30.08	0	0	296.47	296.47	0.18	296.28
563+50	15.54	26.8	26.8	0	0	323.27	323.27	0.18	323.09
564+00	17.06	30.18	30.18	0	0	353.45	353.45	0.18	353.27
564+50	17.67	32.16	32.16	0	0	385.62	385.62	0.18	385.43
565+00	17.82	32.86	32.86	0	0	418.47	418.47	0.18	418.29
565+50	17.78	32.96	32.96	0	0	451.43	451.43	0.18	451.25
566+00	17.73	32.88	32.88	0	0	484.31	484.31	0.18	484.13
566+50	17.88	32.97	32.97	0	0	517.29	517.29	0.18	517.11
566+60	17.84	6.61	6.61	0	0	523.9	523.9	0.18	523.72

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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	COMPUTER EARTHWORK DATA	SHEET 896	E

STAGE 9B

Alignment: IH 94 WB Ref Line

Start Sta: 559+29

End Sta: 695+16

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
559+29	12.38	0	0	0	0	0	0	0	0
560+00	12.82	32.91	32.91	0.03	0.05	32.91	32.91	0.05	32.86
560+73	23.47	49.35	49.35	0.02	0.09	82.26	82.26	0.14	82.12
561+00	27.13	24.89	24.89	0.02	0.03	107.15	107.15	0.16	106.99
562+00	41.77	127.6	127.6	0	0.04	234.75	234.75	0.21	234.55
563+00	44.2	159.21	159.21	0	0	393.96	393.96	0.21	393.76
564+00	45.67	166.43	166.43	0	0	560.4	560.4	0.21	560.19
565+00	37.75	154.49	154.49	0	0	714.88	714.88	0.21	714.68
566+00	30.59	126.54	126.54	0	0	841.43	841.43	0.21	841.22
567+00	23.99	101.07	101.07	0.73	1.8	942.5	942.5	2	940.5
568+00	24.23	89.3	89.3	0.71	3.55	1031.8	1031.8	5.55	1026.25
569+00	24.81	90.8	90.8	0.59	3.2	1122.6	1122.6	8.76	1113.85
570+00	25.11	92.44	92.44	0.57	2.85	1215.04	1215.04	11.6	1203.44
571+00	25.36	93.46	93.46	0.4	2.38	1308.51	1308.51	13.98	1294.53
572+00	26.23	95.55	95.55	0.1	1.22	1404.05	1404.05	15.2	1388.85
573+00	27.65	99.78	99.78	0	0.24	1503.83	1503.83	15.44	1488.39
574+00	29.61	106.03	106.03	0	0	1609.86	1609.86	15.44	1594.42
575+00	22.59	96.67	96.67	0.08	0.19	1706.53	1706.53	15.63	1690.9
575+59	22.18	48.78	48.78	0.11	0.26	1755.31	1755.31	15.89	1739.42
575+71	22.03	10.23	10.23	0.08	0.06	1765.54	1765.54	15.95	1749.59
576+00	26.21	25.61	25.61	0	0.06	1791.15	1791.15	16.01	1775.15
577+00	23.43	91.92	91.92	0.07	0.16	1883.08	1883.08	16.17	1866.91
577+09	23.49	7.67	7.67	0.03	0.02	1890.75	1890.75	16.19	1874.56
577+21	23.89	10.96	10.96	0	0.01	1901.71	1901.71	16.2	1885.51
578+00	19.6	63.37	63.37	0.16	0.31	1965.07	1965.07	16.51	1948.56
579+00	33.55	98.43	98.43	0	0.39	2063.5	2063.5	16.9	2046.6
580+00	26.05	110.37	110.37	0	0.02	2173.87	2173.87	16.92	2156.95
581+00	25.19	94.89	94.89	4.21	10.39	2268.76	2268.76	27.31	2241.46
582+00	24.84	92.65	92.65	17.08	52.44	2361.41	2361.41	79.75	2281.66
583+00	25.95	94.05	94.05	5.32	55.17	2455.46	2455.46	134.92	2320.54
584+00	20.82	86.61	86.61	0	13.1	2542.07	2542.07	148.02	2394.06
585+00	22.09	79.47	79.47	0.56	1.37	2621.54	2621.54	149.39	2472.15
586+00	28.72	94.1	94.1	0	1.37	2715.64	2715.64	150.76	2564.88
587+00	23.99	97.62	97.62	4.11	10.11	2813.26	2813.26	160.87	2652.39
588+00	39.4	117.39	117.39	1.21	13.09	2930.65	2930.65	173.96	2756.69
589+00	32.21	132.61	132.61	1.04	5.54	3063.26	3063.26	179.5	2883.76
590+00	45.58	144.06	144.06	4.51	13.65	3207.32	3207.32	193.15	3014.17
591+00	42.87	163.8	163.8	6.43	26.92	3371.12	3371.12	220.08	3151.05
592+00	30.06	135.04	135.04	1.83	20.34	3506.17	3506.17	240.41	3265.76
593+00	19.23	91.27	91.27	2.76	11.3	3597.44	3597.44	251.72	3345.72
594+00	18.74	70.32	70.32	0	6.79	3667.76	3667.76	258.51	3409.25
595+00	18.74	69.42	69.42	0	0	3737.18	3737.18	258.51	3478.67
596+00	18.74	69.42	69.42	0	0	3806.6	3806.6	258.51	3548.09
597+00	18.74	69.42	69.42	0	0	3876.02	3876.02	258.51	3617.51
598+00	23.75	78.7	78.7	0	0	3954.72	3954.72	258.51	3696.21
599+00	13.51	69.01	69.01	0	0	4023.73	4023.73	258.51	3765.22
600+00	13.53	50.08	50.08	0	0	4073.81	4073.81	258.51	3815.3
601+00	13.76	50.54	50.54	0	0	4124.35	4124.35	258.51	3865.84
602+00	23.5	69.01	69.01	0	0	4193.36	4193.36	258.51	3934.85
603+00	18.02	76.89	76.89	0	0	4270.24	4270.24	258.51	4011.73
604+00	18.02	66.72	66.72	0	0	4336.97	4336.97	258.51	4078.46
605+00	18.02	66.72	66.72	0	0	4403.69	4403.69	258.51	4145.18
606+00	18.02	66.72	66.72	0	0	4470.42	4470.42	258.51	4211.91
607+00	18.02	66.72	66.72	0	0	4537.14	4537.14	258.51	4278.63
608+00	18.02	66.72	66.72	0	0	4603.86	4603.86	258.51	4345.35
609+00	18.02	66.72	66.72	0	0	4670.59	4670.59	258.51	4412.08
610+00	18.02	66.72	66.72	0	0	4737.31	4737.31	258.51	4478.8
611+00	18.02	66.72	66.72	0	0	4804.04	4804.04	258.51	4545.53
612+00	18.02	66.72	66.72	0	0	4870.76	4870.76	258.51	4612.25
613+00	18.02	66.72	66.72	0	0	4937.49	4937.49	258.51	4678.97
614+00	18.02	66.72	66.72	0	0	5004.21	5004.21	258.51	4745.7
615+00	18.02	66.72	66.72	0	0	5070.93	5070.93	258.51	4812.42

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Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
616+00	18.02	66.72	66.72	0	0	5137.66	5137.66	258.51	4879.15
617+00	18.02	66.72	66.72	0	0	5204.38	5204.38	258.51	4945.87
618+00	18.02	66.72	66.72	0	0	5271.11	5271.11	258.51	5012.6
619+00	18.02	66.72	66.72	0	0	5337.83	5337.83	258.51	5079.32
620+00	18.02	66.72	66.72	0	0	5404.56	5404.56	258.51	5146.04
621+00	18.02	66.72	66.72	0	0	5471.28	5471.28	258.51	5212.77
622+00	13.99	59.28	59.28	0	0	5530.56	5530.56	258.51	5272.04
623+00	13.7	51.29	51.29	0	0	5581.85	5581.85	258.51	5323.34
624+00	15.02	53.2	53.2	6.25	15.4	5635.05	5635.05	273.91	5361.14
624+53	15.1	29.62	29.62	5.27	15.08	5664.67	5664.67	288.99	5375.68
624+78	15.51	14.17	14.17	6.38	7.18	5678.84	5678.84	296.17	5382.68
625+00	19.9	14.36	14.36	4	5.6	5693.2	5693.2	301.76	5391.44
625+03	20.57	2.32	2.32	3.65	0.58	5695.53	5695.53	302.35	5393.18
626+00	45.84	119.16	119.16	0	8.71	5814.69	5814.69	311.06	5503.63
627+00	49.67	176.88	176.88	0	0	5991.57	5991.57	311.06	5680.5
628+00	29.39	146.42	146.42	0.04	0.11	6137.99	6137.99	311.17	5826.82
629+00	26.83	104.13	104.13	0.03	0.17	6242.12	6242.12	311.34	5930.77
630+00	23.31	92.86	92.86	0	0.07	6334.98	6334.98	311.41	6023.57
631+00	36.1	110.02	110.02	0	0	6445	6445	311.41	6133.59
632+00	40.54	141.93	141.93	0	0	6586.93	6586.93	311.41	6275.52
633+00	40.54	150.16	150.16	0	0	6737.09	6737.09	311.41	6425.68
634+00	40.55	150.17	150.17	0	0	6887.26	6887.26	311.41	6575.85
635+00	40.55	150.17	150.17	0	0	7037.43	7037.43	311.41	6726.02
636+00	40.54	150.17	150.17	0	0	7187.59	7187.59	311.41	6876.18
637+07	37.69	141.82	141.82	0	0	7329.41	7329.41	311.41	7018
638+00	34.68	124.92	124.92	0	0	7454.33	7454.33	311.41	7142.92
639+00	19.26	99.89	99.89	0	0	7554.21	7554.21	311.41	7242.8
640+00	18.74	70.38	70.38	0	0	7624.59	7624.59	311.41	7313.18
641+00	18.74	69.42	69.42	0	0	7694.01	7694.01	311.41	7382.6
642+00	18.74	69.42	69.42	0	0	7763.43	7763.43	311.41	7452.02
643+00	13.7	60.08	60.08	95.43	235.04	7823.51	7823.51	546.45	7277.07
644+00	13.7	50.74	50.74	57.84	377.49	7874.25	7874.25	923.93	6950.32
644+53	13.7	26.94	26.94	59.87	153.94	7901.19	7901.19	1077.88	6823.32
644+78	13.34	12.52	12.52	78.16	84.99	7913.71	7913.71	1162.87	6750.84
645+00	13.34	10.82	10.82	109.3	101.12	7924.53	7924.53	1263.99	6660.54
645+03	13.34	1.53	1.53	113.29	17	7926.06	7926.06	1280.98	6645.08
646+00	36.47	89.38	89.38	0	270.38	8015.44	8015.44	1551.36	6464.08
647+00	62.2	182.73	182.73	0	0	8198.17	8198.17	1551.36	6646.81
648+00	62.2	230.38	230.38	0	0	8428.56	8428.56	1551.36	6877.19
649+00	26.89	165	165	0	0	8593.55	8593.55	1551.36	7042.19
650+00	26.89	99.61	99.61	0	0	8693.16	8693.16	1551.36	7141.8
651+00	26.89	99.61	99.61	0	0	8792.77	8792.77	1551.36	7241.41
652+00	26.89	99.61	99.61	0	0	8892.38	8892.38	1551.36	7341.01
653+00	26.89	99.61	99.61	0	0	8991.99	8991.99	1551.36	7440.62
654+00	26.89	99.61	99.61	0	0	9091.6	9091.6	1551.36	7540.23
655+00	26.89	99.61	99.61	0	0	9191.2	9191.2	1551.36	7639.84
656+00	26.89	99.61	99.61	0	0	9290.81	9290.81	1551.36	7739.45
657+00	26.89	99.61	99.61	0	0	9390.42	9390.42	1551.36	7839.06
658+00	26.89	99.61	99.61	0	0	9490.03	9490.03	1551.36	7938.66
659+00	27.67	101.05	101.05	0	0	9591.08	9591.08	1551.36	8039.72
660+00	30	106.8	106.8	0	0	9697.88	9697.88	1551.36	8146.52
661+00	31.44	113.78	113.78	0	0	9811.66	9811.66	1551.36	8260.3
662+00	31.94	117.37	117.37	0	0	9929.03	9929.03	1551.36	8377.67
663+00	32.45	119.23	119.23	0	0	10048.27	10048.27	1551.36	8496.9
664+00	32.98	121.17	121.17	0	0	10169.44	10169.44	1551.36	8618.07
665+00	33.5	123.12	123.12	0	0	10292.55	10292.55	1551.36	8741.19
666+00	34.07	125.13	125.13	0	0	10417.69	10417.69	1551.36	8866.32
667+00	34.66	127.28	127.28	0	0	10544.97	10544.97	1551.36	8993.6
668+00	35.27	129.5	129.5	0	0	10674.47	10674.47	1551.36	9123.1
669+00	35.9	131.79	131.79	0	0	10806.26	10806.26	1551.36	9254.89
670+00	36.54	134.15	134.15	0	0	10940.41	10940.41	1551.36	9389.04
671+00	37.21	136.58	136.58	0	0	11076.99	11076.99	1551.36	9525.62
672+00	37.93	139.15	139.15	0	0	11216.13	11216.13	1551.36	9664.77
673+00	116.41	285.81	285.81	0	0	11501.95	11501.95	1551.36	9950.59
674+00	71.41	347.82	347.82	0	0	11849.77	11849.77	1551.36	10298.4

~CONTINUE~

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
675+00	46.27	217.93	217.93	0	0	12067.7	12067.7	1551.36	10516.34
676+00	27.91	137.38	137.38	0	0	12205.08	12205.08	1551.36	10653.72
677+00	28.46	104.39	104.39	0	0	12309.47	12309.47	1551.36	10758.11
678+00	29.2	106.77	106.77	0	0	12416.24	12416.24	1551.36	10864.88
679+00	27.99	98.09	98.09	0	0	12514.33	12514.33	1551.36	10962.97
680+00	23.79	95.89	95.89	0.13	0.33	12610.22	12610.22	1551.7	11058.52
681+00	22.25	85.24	85.24	0.62	1.87	12695.46	12695.46	1553.56	11141.9
682+00	22.25	82.4	82.4	0.96	3.91	12777.86	12777.86	1557.47	11220.39
683+00	22.25	82.4	82.4	0.86	4.5	12860.26	12860.26	1561.97	11298.29
684+00	22.25	82.41	82.41	1.2	5.08	12942.67	12942.67	1567.05	11375.62
685+00	22.47	82.82	82.82	1.72	7.19	13025.49	13025.49	1574.24	11451.25
686+00	26.1	89.95	89.95	5.41	17.56	13115.44	13115.44	1591.8	11523.64
687+00	26.08	96.62	96.62	5.61	27.16	13212.06	13212.06	1618.95	11593.1
688+00	26.05	96.52	96.52	5.71	27.88	13308.58	13308.58	1646.83	11661.75
689+00	29.68	103.2	103.2	5.78	28.28	13411.78	13411.78	1675.12	11736.66
690+00	33.57	117.13	117.13	6.03	29.07	13528.9	13528.9	1704.19	11824.71
691+00	38.29	133.07	133.07	6.43	30.68	13661.97	13661.97	1734.87	11927.1
692+00	23.66	114.73	114.73	8.24	36.13	13776.7	13776.7	1771.01	12005.7
692+86	17.33	65.03	65.03	14.97	48.98	13841.73	13841.73	1819.99	12021.75
693+00	16.34	8.94	8.94	16.34	11.06	13850.67	13850.67	1831.04	12019.63
693+11	15.92	6.37	6.37	18.44	9.14	13857.04	13857.04	1840.18	12016.86
693+36	14.42	14.04	14.04	22.25	25.06	13871.08	13871.08	1865.23	12005.85
694+00	10.56	29.75	29.75	26.91	77.89	13900.84	13900.84	1943.12	11957.71
695+00	8.6	35.47	35.47	31.69	144.32	13936.3	13936.3	2087.44	11848.86
695+16	7.9	4.92	4.92	30.66	24.76	13941.23	13941.23	2112.19	11829.03

STAGE 9B

Alignment: IH 94 EB Ref Line

Start Sta: 685+00

End Sta: 695+53

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
685+00	42.61	0	0	0	0	0	0	0	0
686+00	43.96	160.32	160.32	0	0	160.32	160.32	0	160.31
687+00	44.82	164.41	164.41	0	0	324.72	324.72	0	324.71
688+00	44.87	166.08	166.08	0	0.01	490.8	490.8	0.02	490.78
689+00	79.75	230.77	230.77	0	0.01	721.57	721.57	0.03	721.54
690+00	100.56	333.9	333.9	0	0	1055.47	1055.47	0.03	1055.44
691+00	104.33	379.42	379.42	0	0	1434.89	1434.89	0.03	1434.86
692+00	36.29	260.41	260.41	0	0	1695.3	1695.3	0.03	1695.27
693+00	16.54	97.84	97.84	0	0	1793.14	1793.14	0.03	1793.11
694+00	14.86	58.14	58.14	0.05	0.12	1851.29	1851.29	0.15	1851.14
695+00	10.36	46.7	46.7	1.15	2.96	1897.98	1897.98	3.11	1894.87
695+53	9.9	19.74	19.74	2.64	4.92	1917.72	1917.72	8.03	1909.69

STAGE 9B

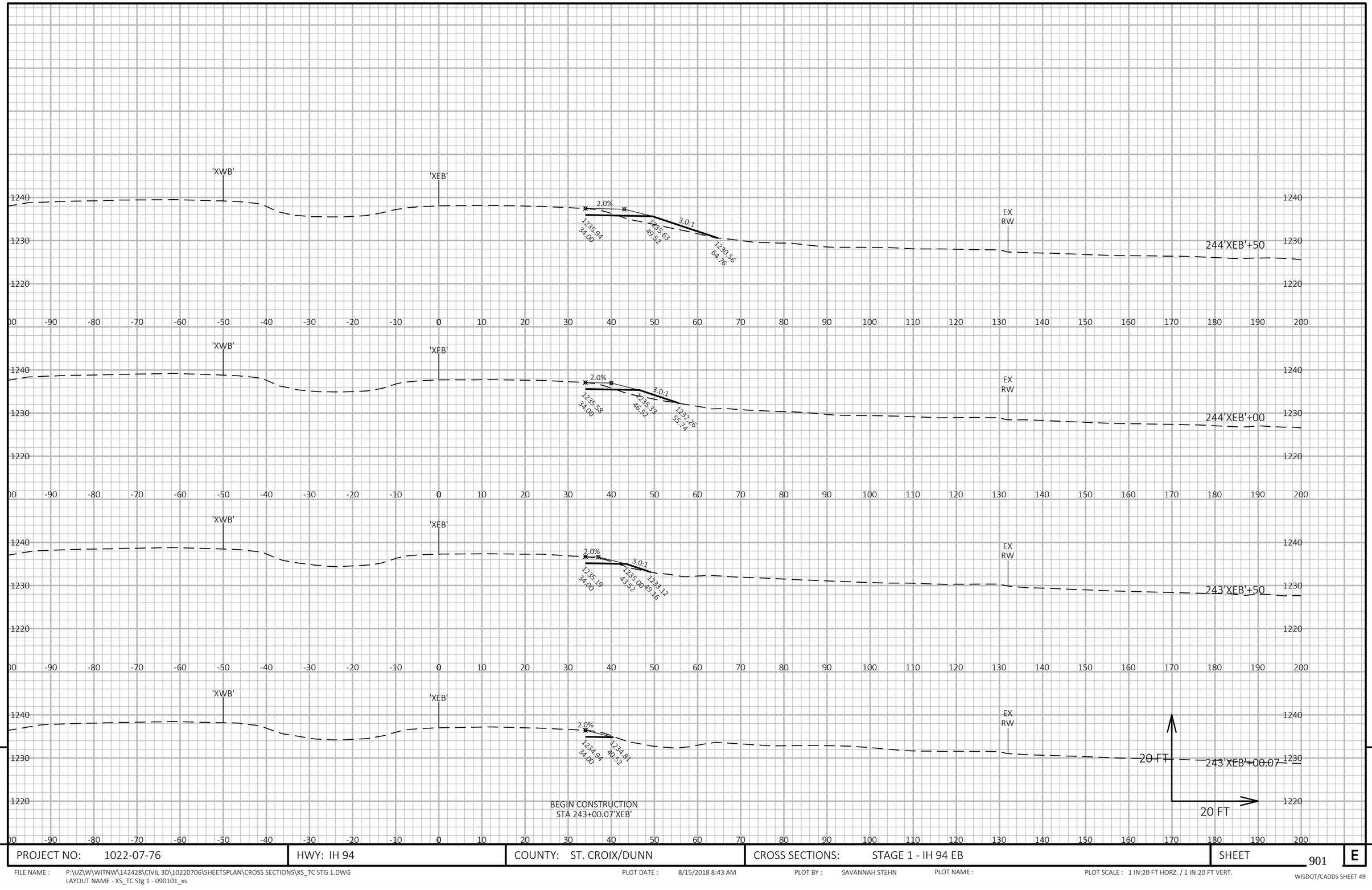
Alignment: IH 94 EB Ref Line
Start Sta: 702+35
End Sta: 716+75

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
702+36	9.39	0	0	9.89	0	0	0	0	0
703+00	9.08	22.07	22.07	7.96	28.35	22.07	22.07	28.35	-6.29
704+00	9.08	33.64	33.64	8.69	41.01	55.7	55.7	69.37	-13.67
705+00	9.28	34	34	3.5	30.02	89.71	89.71	99.39	-9.68
706+00	6.67	29.54	29.54	5.02	20.99	119.25	119.25	120.38	-1.13
707+00	14.15	38.55	38.55	5.03	24.76	157.8	157.8	145.14	12.66
708+00	42.97	105.77	105.77	5.03	24.78	263.57	263.57	169.92	93.65
709+00	87.13	240.91	240.91	2.43	18.37	504.48	504.48	188.3	316.18
710+00	138.08	417.06	417.06	0	5.98	921.54	921.54	194.27	727.26
711+00	121.08	479.94	479.94	0	0	1401.48	1401.48	194.27	1207.2
712+00	74.46	362.12	362.12	0.76	1.86	1763.59	1763.59	196.13	1567.46
713+00	36.68	205.82	205.82	1.15	4.69	1969.41	1969.41	200.82	1768.59
714+00	37.05	136.53	136.53	0.12	3.12	2105.95	2105.95	203.94	1902.01
715+00	115.34	282.2	282.2	8.38	20.94	2388.15	2388.15	224.88	2163.27
716+00	82.99	367.28	367.28	0	20.65	2755.43	2755.43	245.53	2509.91
716+75	55.45	191.2	191.2	0.49	0.91	2946.64	2946.64	246.43	2700.21

STAGE 9B

Alignment: IH 94 WB Ref Line
Start Sta: 702+54
End Sta: 722+64

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
702+54	8.82	0	0	15.86	0	0	0	0	0
703+00	9.26	15.29	15.29	14.41	34.02	15.29	15.29	34.02	-18.74
704+00	23.83	61.28	61.28	5.09	48.01	76.57	76.57	82.03	-5.46
705+00	55.18	146.31	146.31	1.11	15.26	222.88	222.88	97.29	125.59
705+41	64.4	90.33	90.33	1.97	3.09	313.21	313.21	100.39	212.82
705+66	66.82	60.69	60.69	0.7	1.64	373.9	373.9	102.03	271.87
705+91	69.89	63.36	63.36	0	0.44	437.26	437.26	102.47	334.79
706+00	75.27	24.76	24.76	0.1	0.02	462.02	462.02	102.49	359.53
707+00	137.7	394.4	394.4	0	0.24	856.42	856.42	102.73	753.69
708+00	141.31	516.7	516.7	0	0.01	1373.12	1373.12	102.74	1270.38
709+00	96.57	440.53	440.53	0	0.01	1813.65	1813.65	102.75	1710.89
710+00	44.94	262.06	262.06	0	0	2075.7	2075.7	102.76	1972.95
711+00	14.43	109.95	109.95	0	0	2185.65	2185.65	102.76	2082.89
712+00	11.1	47.28	47.28	0.01	0.03	2232.93	2232.93	102.79	2130.14
713+00	11.91	42.61	42.61	0	0.03	2275.54	2275.54	102.81	2172.73
714+00	17.26	54.01	54.01	0	0	2329.55	2329.55	102.81	2226.73
715+00	36.32	99.21	99.21	0	0	2428.76	2428.76	102.82	2325.94
716+00	62.72	183.4	183.4	0	0	2612.16	2612.16	102.82	2509.34
717+00	118.46	335.51	335.51	0	0	2947.66	2947.66	102.83	2844.84
718+00	85.61	377.9	377.9	0	0	3325.56	3325.56	102.84	3222.72
719+00	54.89	260.18	260.18	0	0	3585.74	3585.74	102.84	3482.9
720+00	27.7	152.95	152.95	0	0	3738.69	3738.69	102.84	3635.86
721+00	13.29	75.91	75.91	0.05	0.12	3814.6	3814.6	102.95	3711.65
722+00	7.96	39.35	39.35	0.1	0.37	3853.95	3853.95	103.32	3750.63
722+64	7.87	18.81	18.81	0.38	0.76	3872.76	3872.76	104.08	3768.68



9

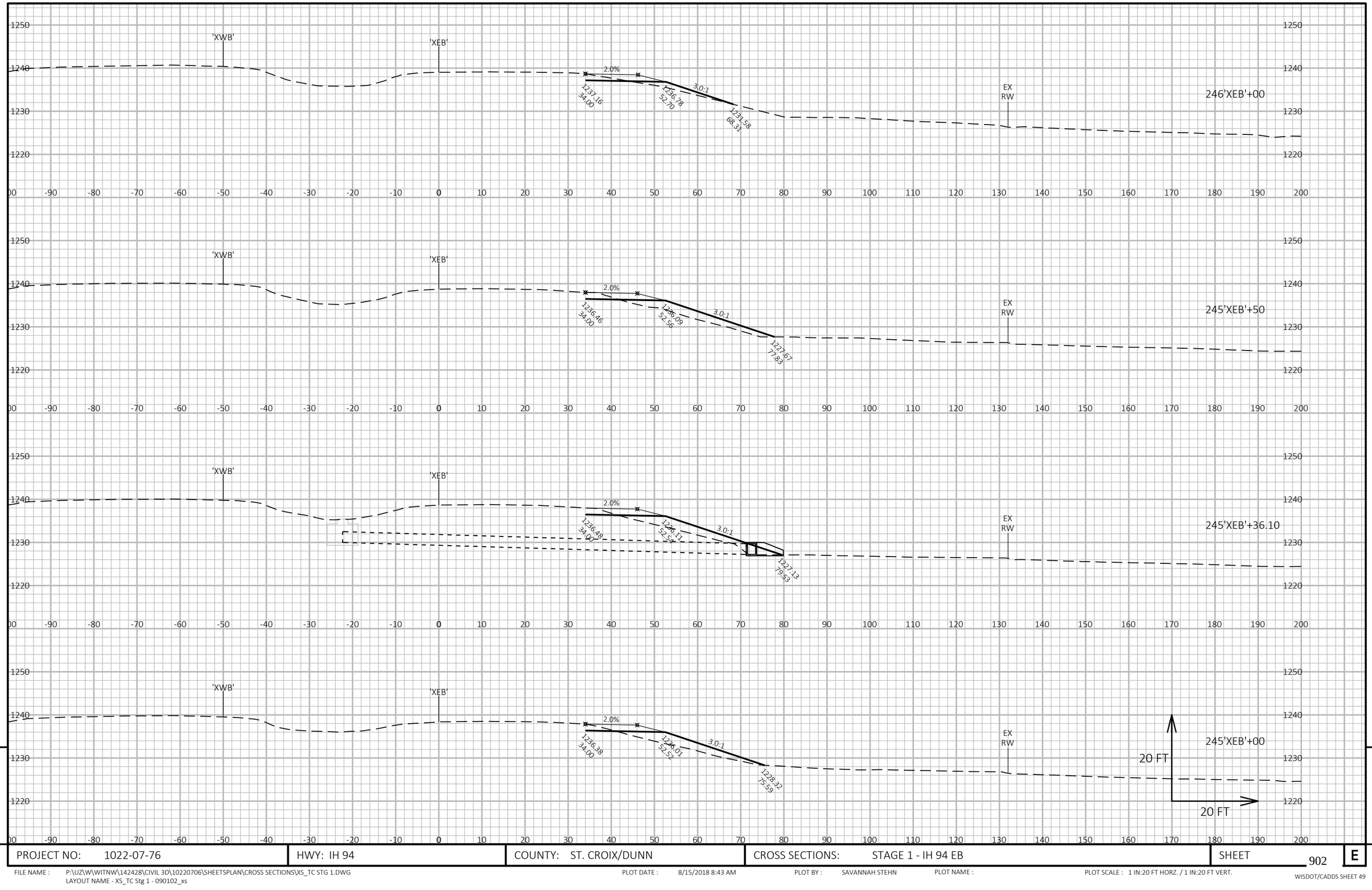
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 1 - IH 94 EB	SHEET 901	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 1.DWG
LAYOUT NAME - XS_TC Stg 1 - 090101_xs

PLOT DATE : 8/15/2018 8:43 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

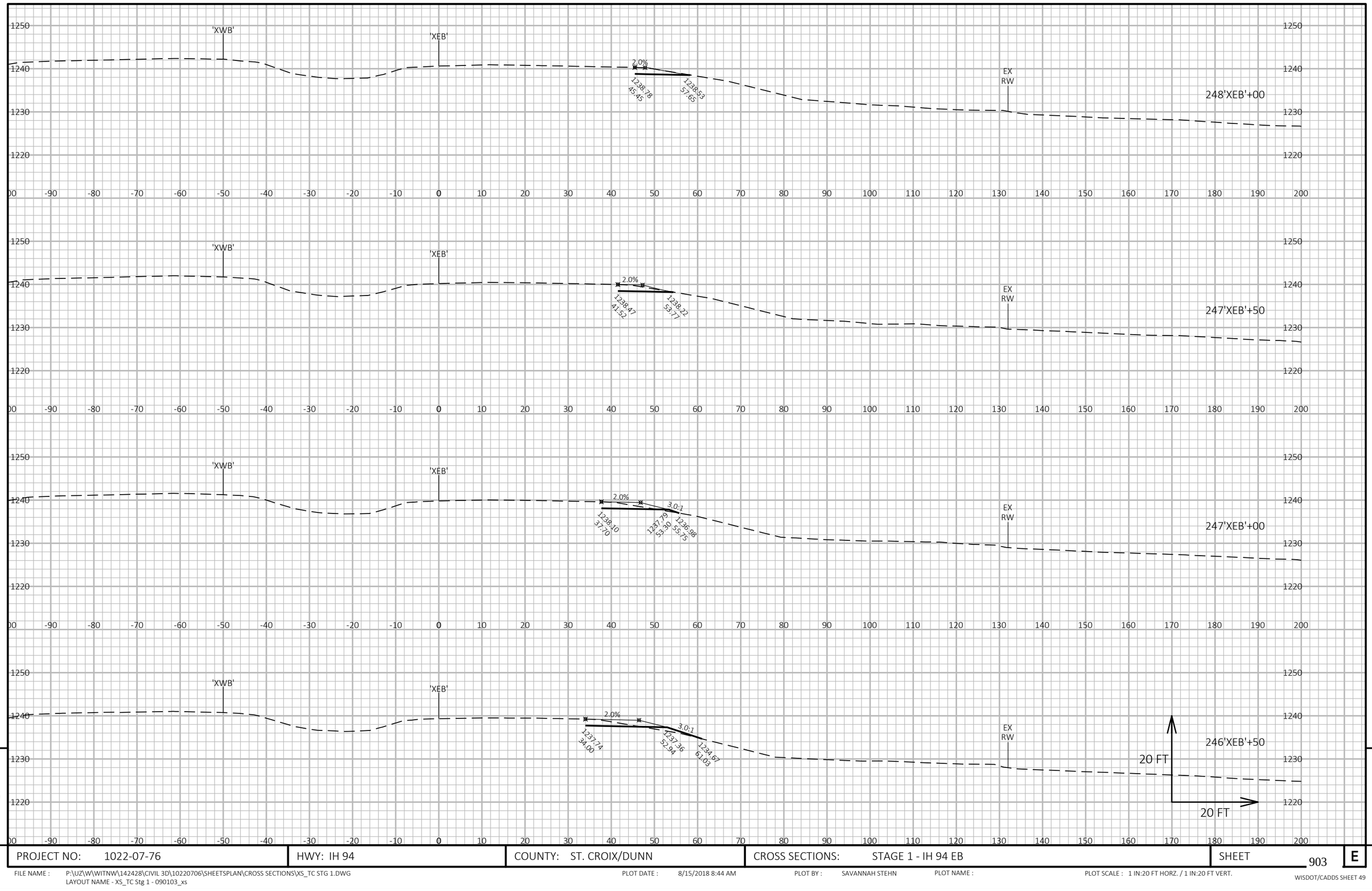


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 1 - IH 94 EB	SHEET 902 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 1.DWG
LAYOUT NAME - XS_TC Stg 1 - 090102_xs

PLOT DATE : 8/15/2018 8:43 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 1 - IH 94 EB	SHEET 903	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 1.DWG
LAYOUT NAME - XS_TC Stg 1 - 090103_xs

PLOT DATE : 8/15/2018 8:44 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

END CONSTRUCTION
STA 248+40.62'XEB'

'XWB'

'XEB'

2.0%

1238.96
45.29

1238.71
61.11

EX
RW

248'XEB'+40.62

20 FT

20 FT

1250
1240
1230
1220

-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

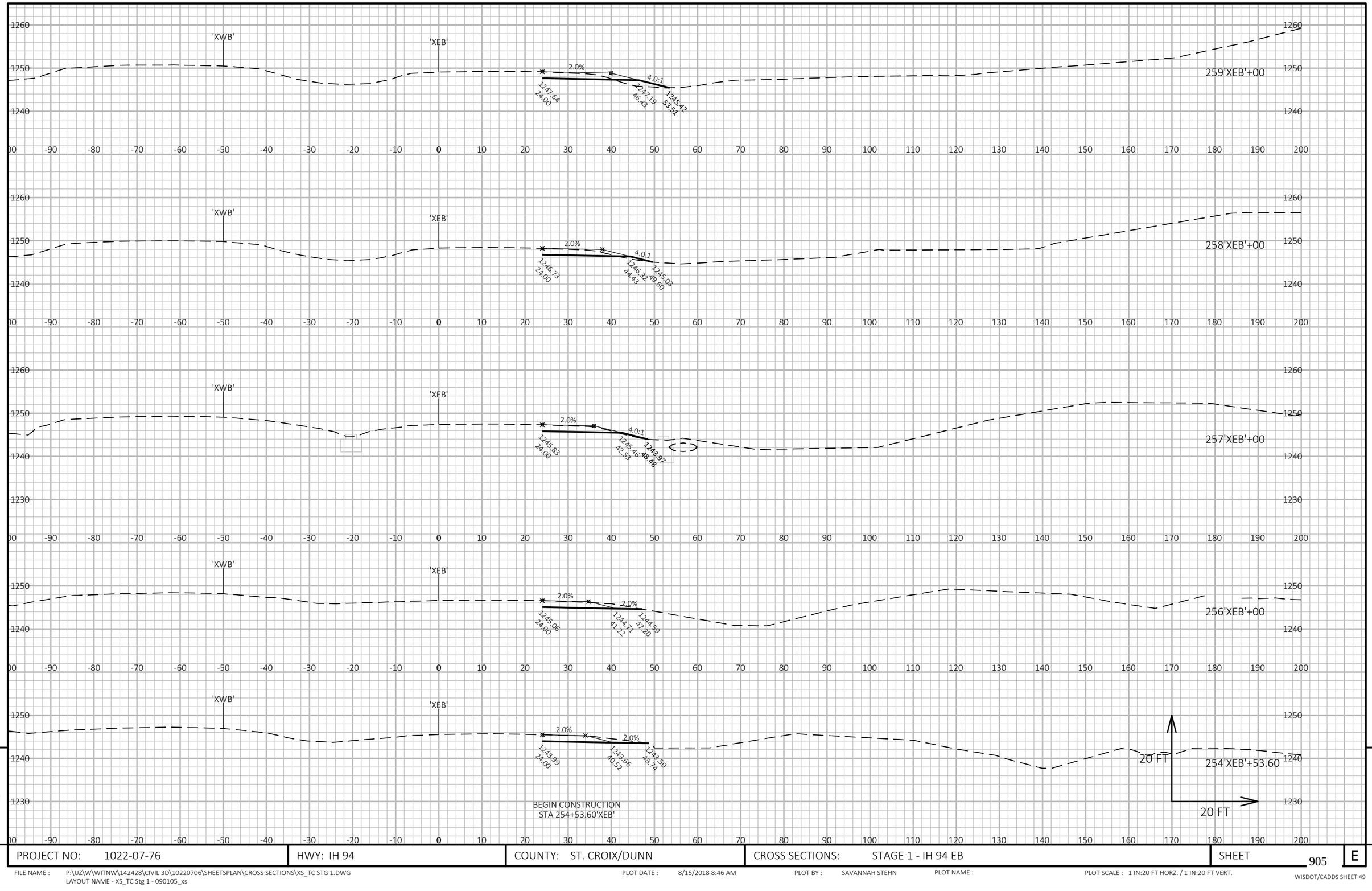
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 1 - IH 94 EB	SHEET 904	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 1.DWG
LAYOUT NAME - XS_TC Stg 1 - 090104_xs

PLOT DATE : 8/15/2018 8:45 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

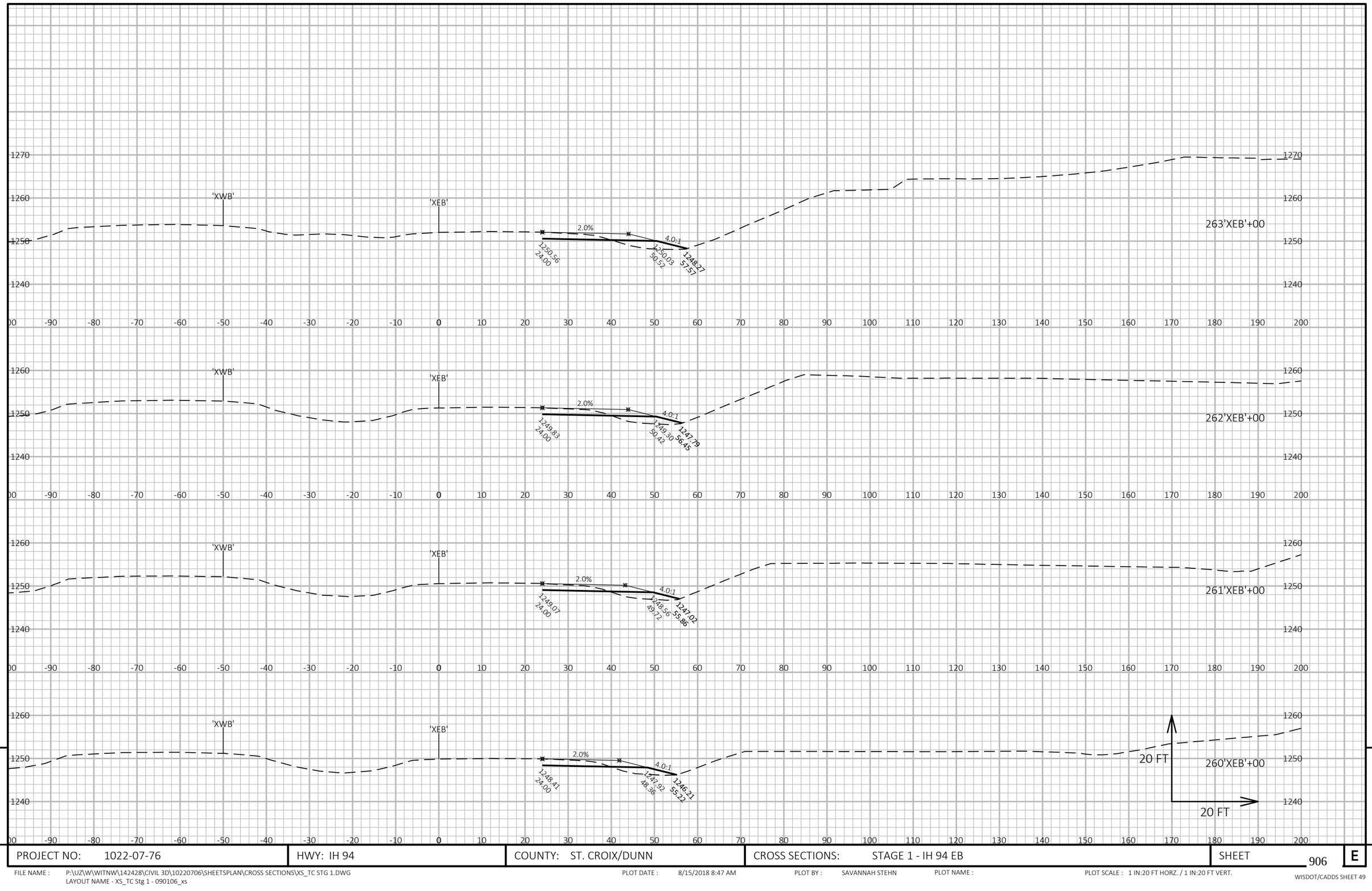


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 1 - IH 94 EB	SHEET 905	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 1.DWG
LAYOUT NAME - XS_TC Stg 1 - 090105_xs

PLOT DATE : 8/15/2018 8:46 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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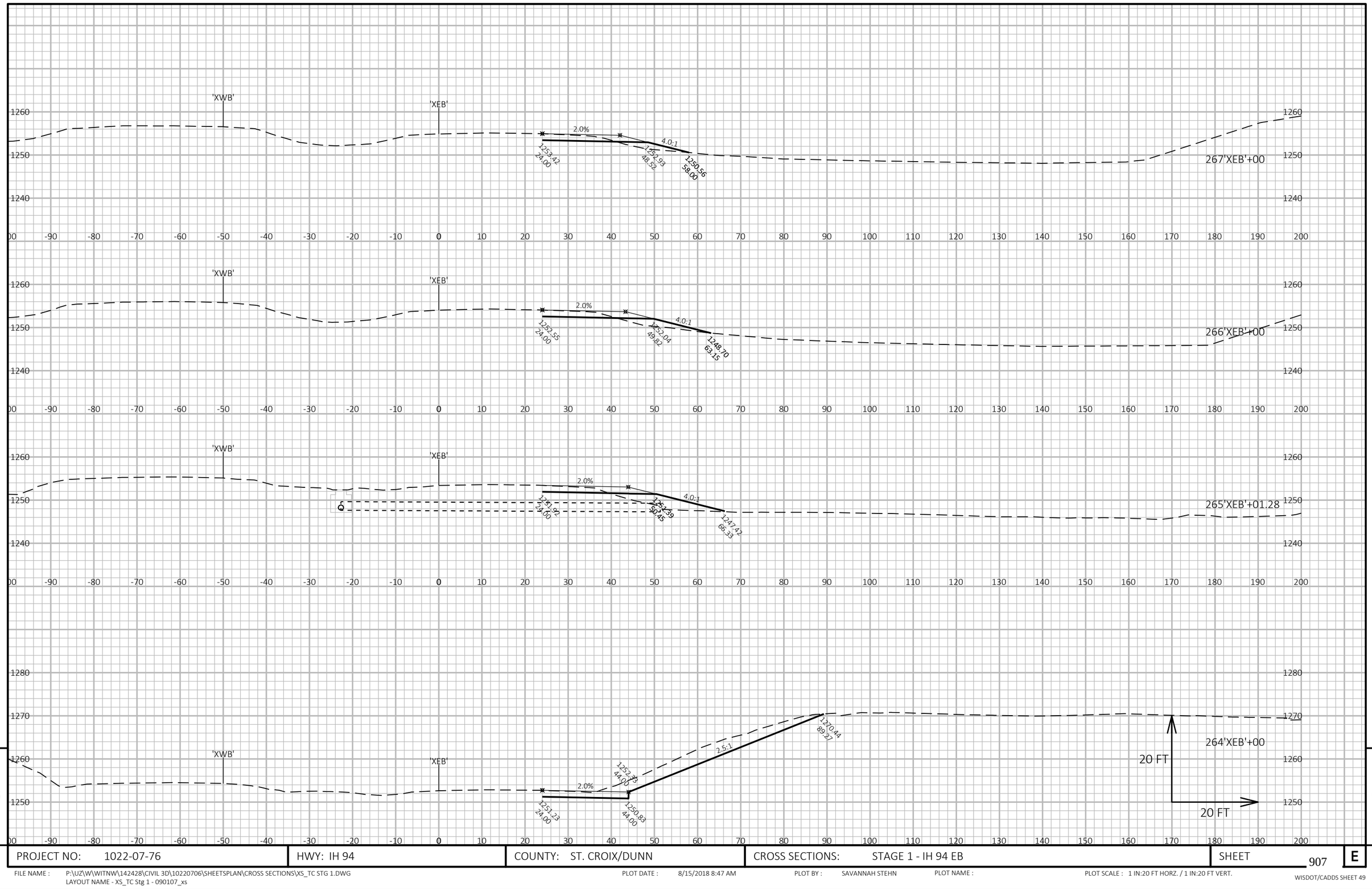
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 1 - IH 94 EB	SHEET 906	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 1.DWG
LAYOUT NAME - XS_TC Stg 1 - 090106_xs

PLOT DATE : 8/15/2018 8:47 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

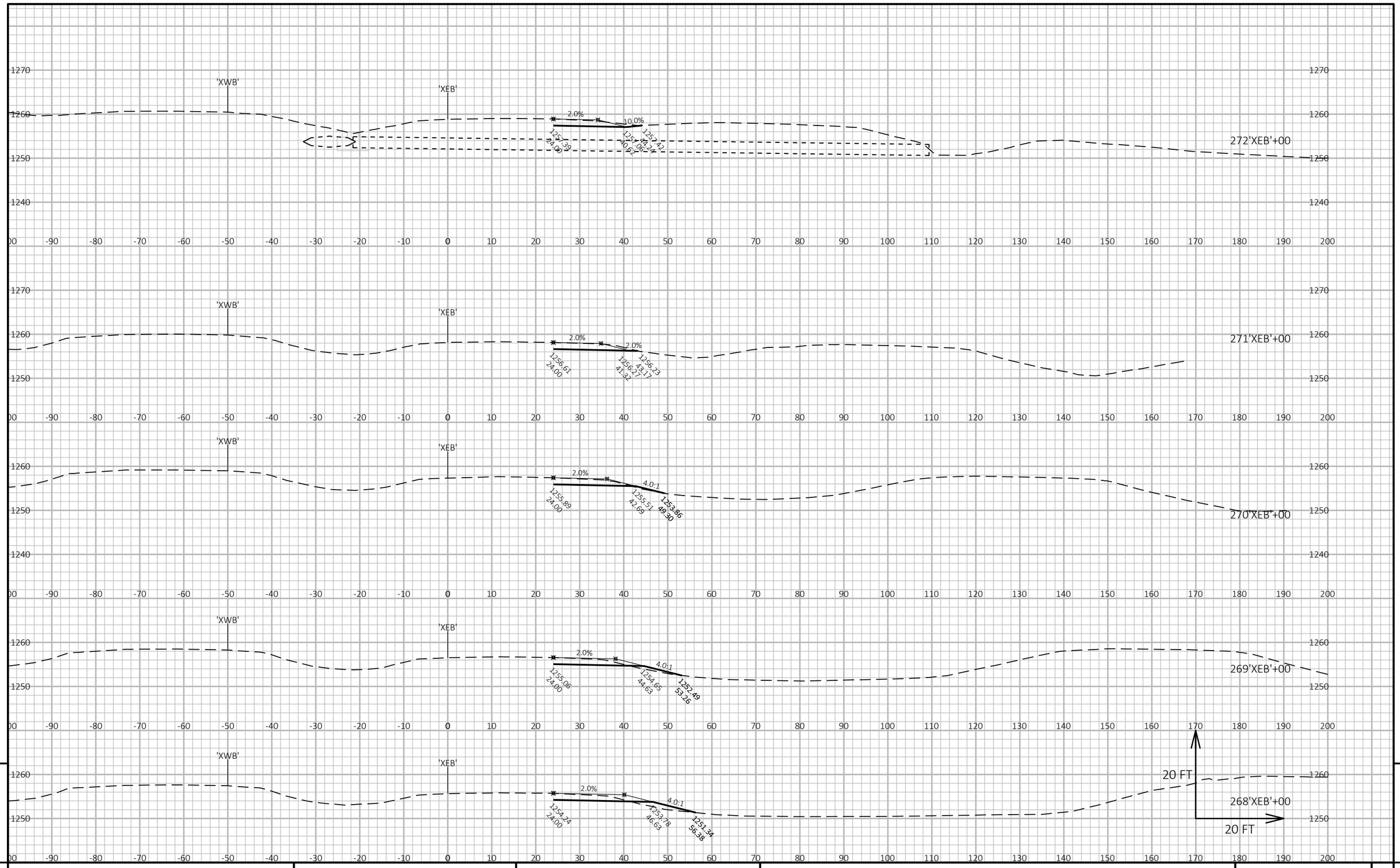
9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 1 - IH 94 EB	SHEET 907	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 1.DWG
LAYOUT NAME - XS_TC Stg 1 - 090107_xs

PLOT DATE : 8/15/2018 8:47 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9 9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 1 - IH 94 EB	SHEET 908	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 1.DWG
LAYOUT NAME - XS_TC Stg 1 - 090108_xs

PLOT DATE : 8/15/2018 8:48 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 272+54.17'XEB'

'XWB'

'XEB'

2.0%

1257.73
24.00

1257.40
40.52

1258.49
51.47

20 FT

272'XEB'+54.17

20 FT

1270
1260
1250

-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

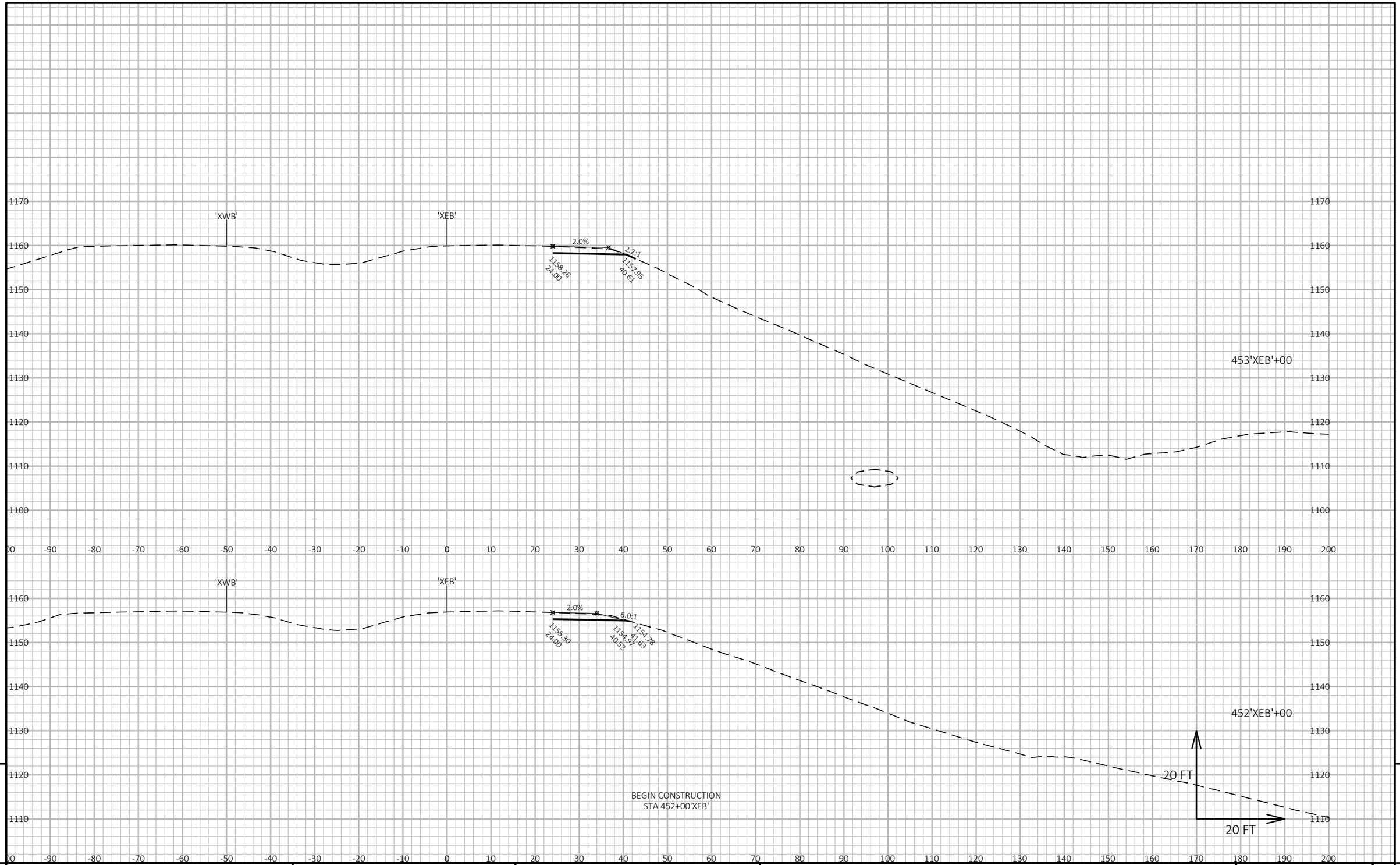
9

9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 1 - IH 94 EB	SHEET 909	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 1.DWG
LAYOUT NAME - XS_TC Stg 1 - 090109_xs

PLOT DATE : 8/15/2018 8:49 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

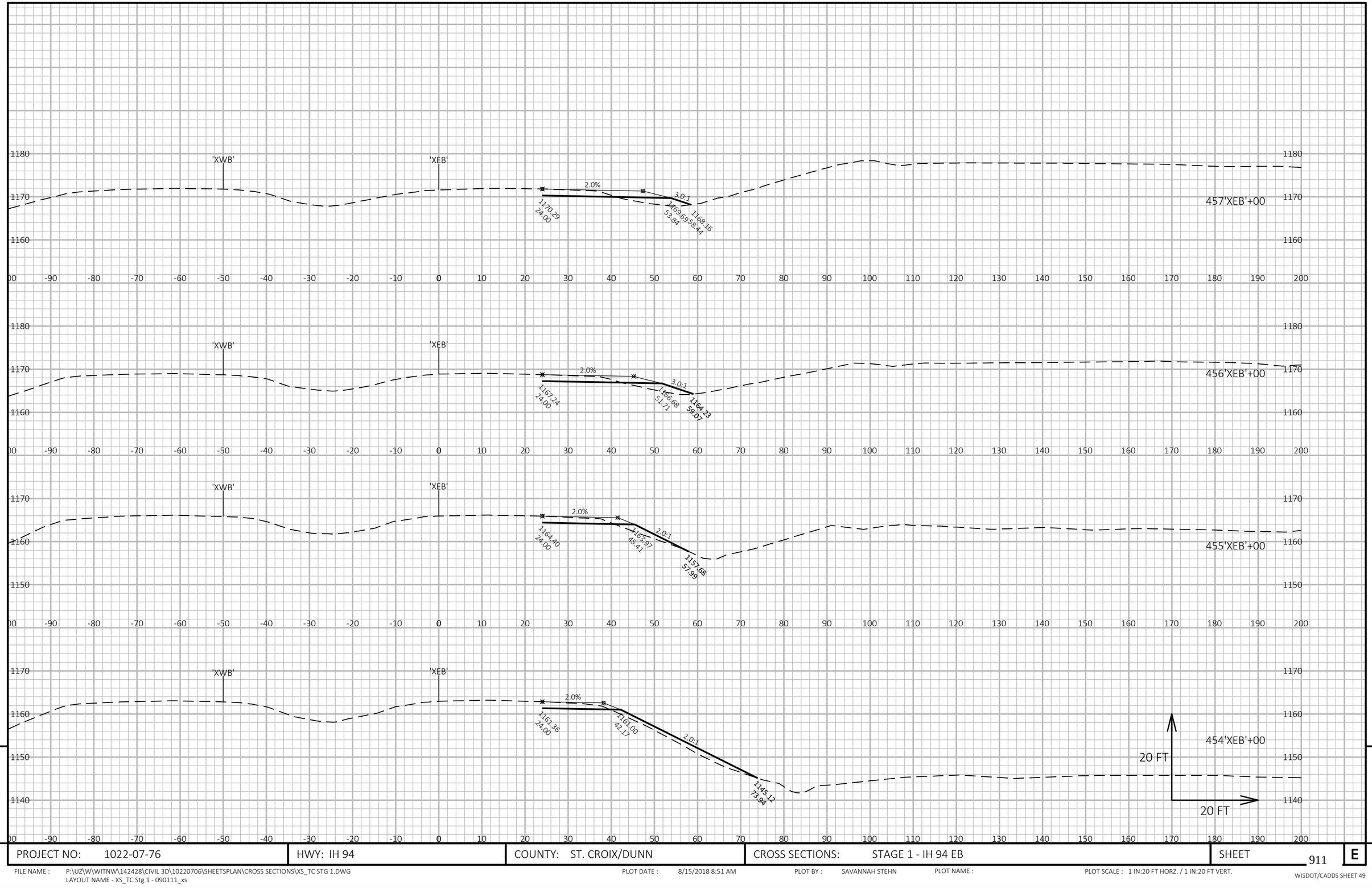


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 1 - IH 94 EB	SHEET 910	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 1.DWG
LAYOUT NAME - XS_TC Stg 1 - 090110_xs

PLOT DATE : 8/15/2018 8:50 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

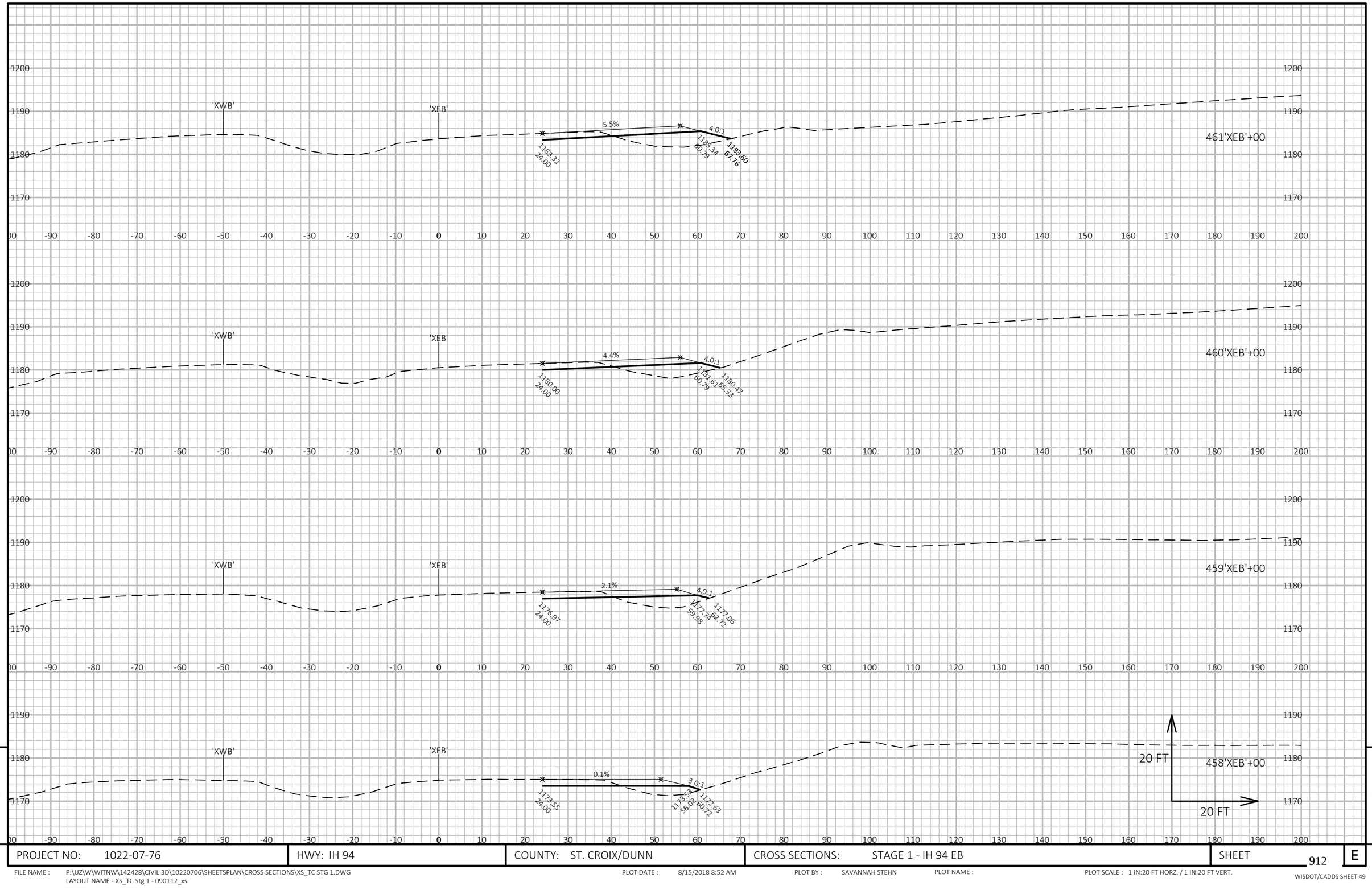
9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 1 - IH 94 EB	SHEET 911	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 1.DWG
LAYOUT NAME - XS_TC Stg 1 - 090111_xs

PLOT DATE : 8/15/2018 8:51 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

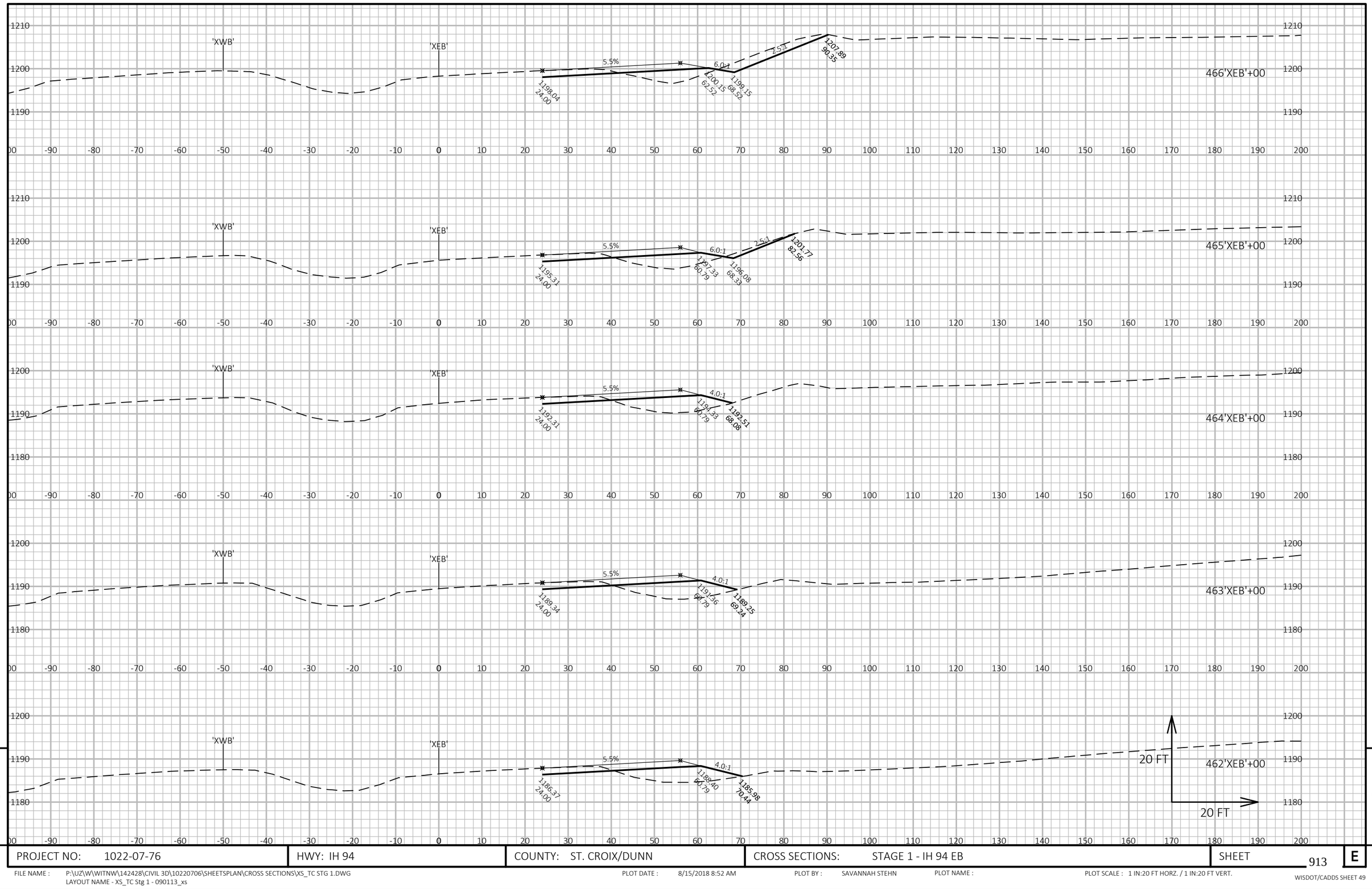


9 9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 1 - IH 94 EB	SHEET 912 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 1.DWG
LAYOUT NAME - XS_TC Stg 1 - 090112_xs

PLOT DATE : 8/15/2018 8:52 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

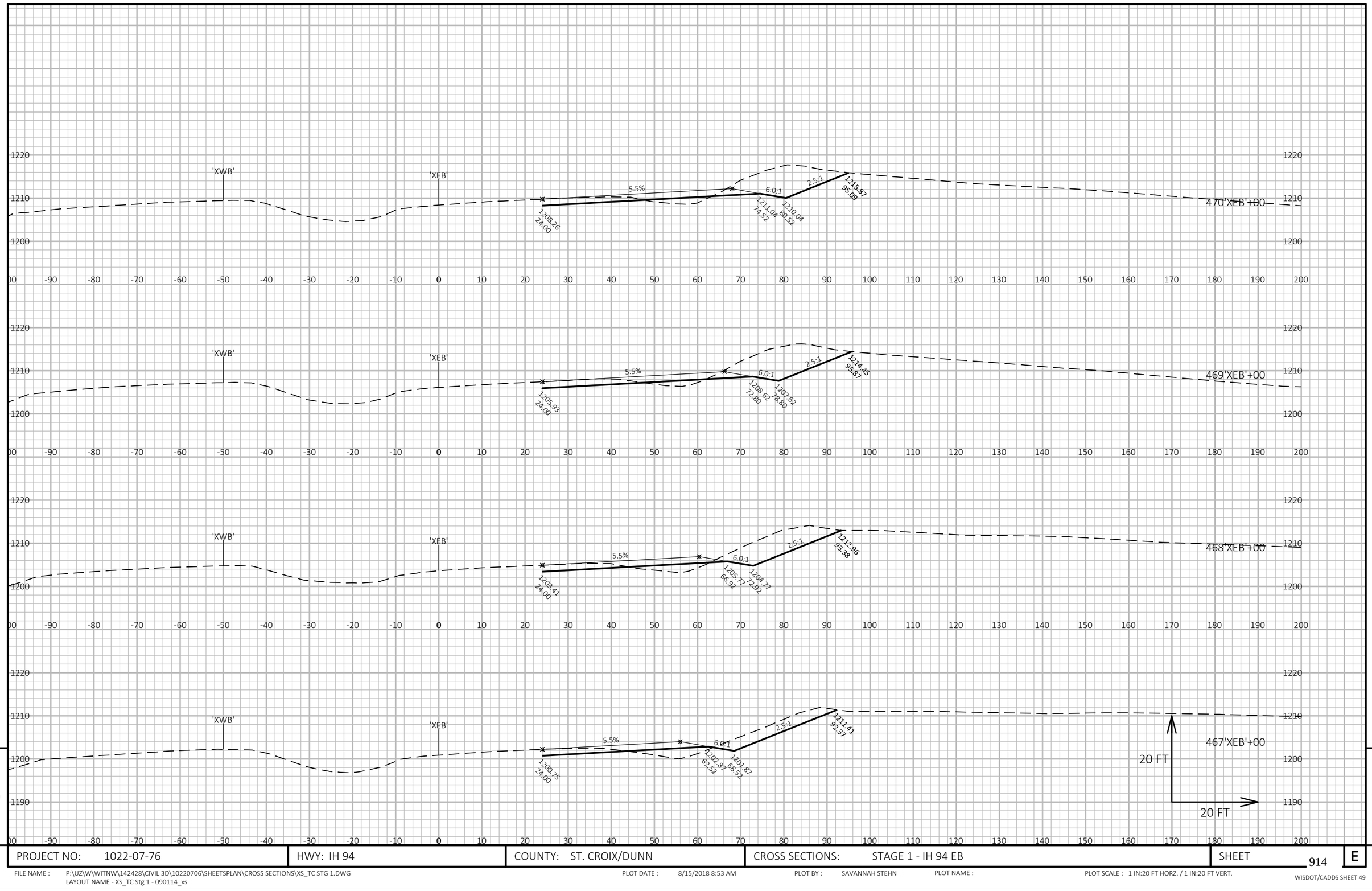


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 1 - IH 94 EB	SHEET 913	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 1.DWG
LAYOUT NAME - XS_TC Stg 1 - 090113_xs

PLOT DATE : 8/15/2018 8:52 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

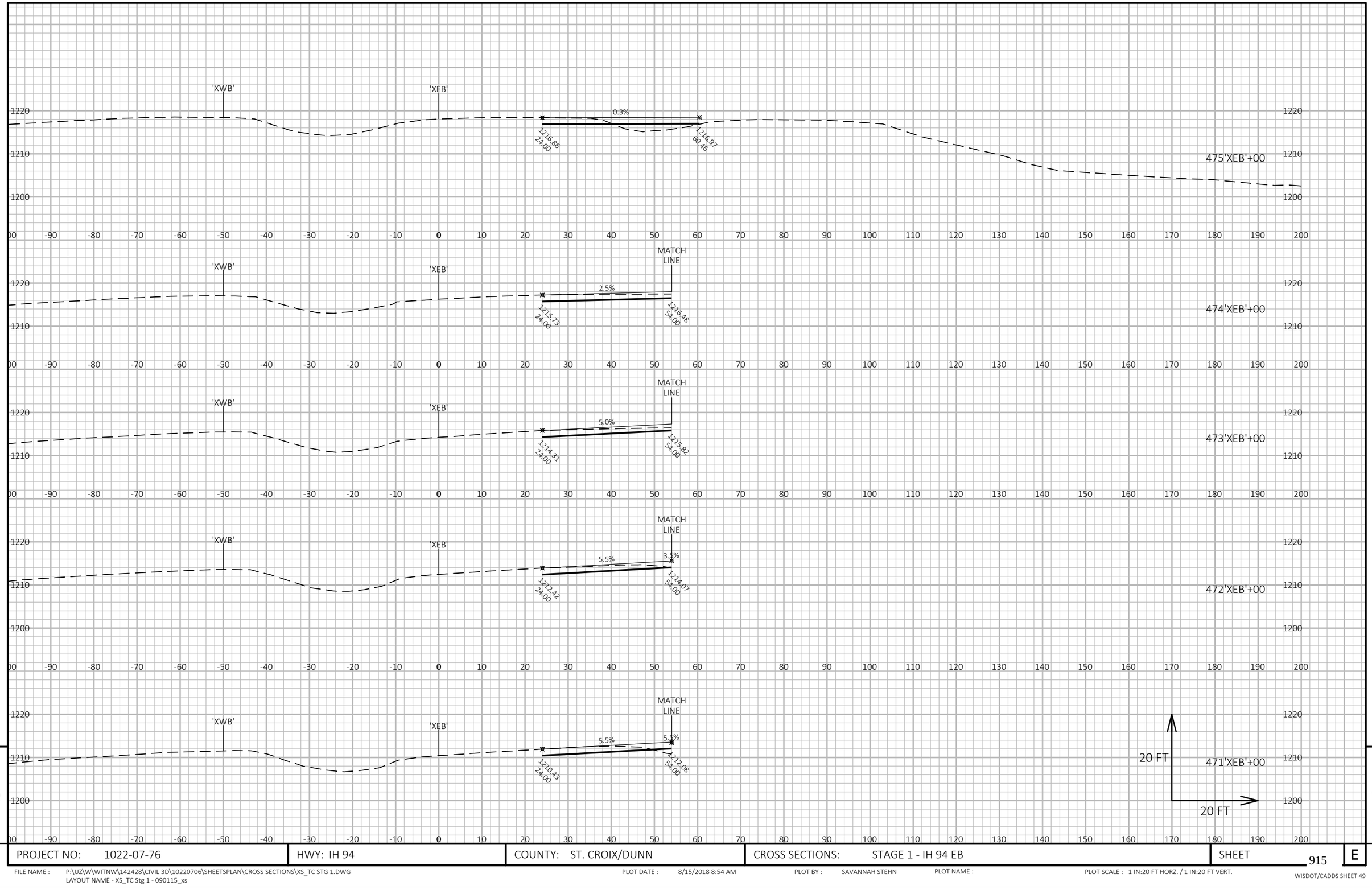
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 1 - IH 94 EB	SHEET 914	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 1.DWG
LAYOUT NAME - XS_TC Stg 1 - 090114_xs

PLOT DATE : 8/15/2018 8:53 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

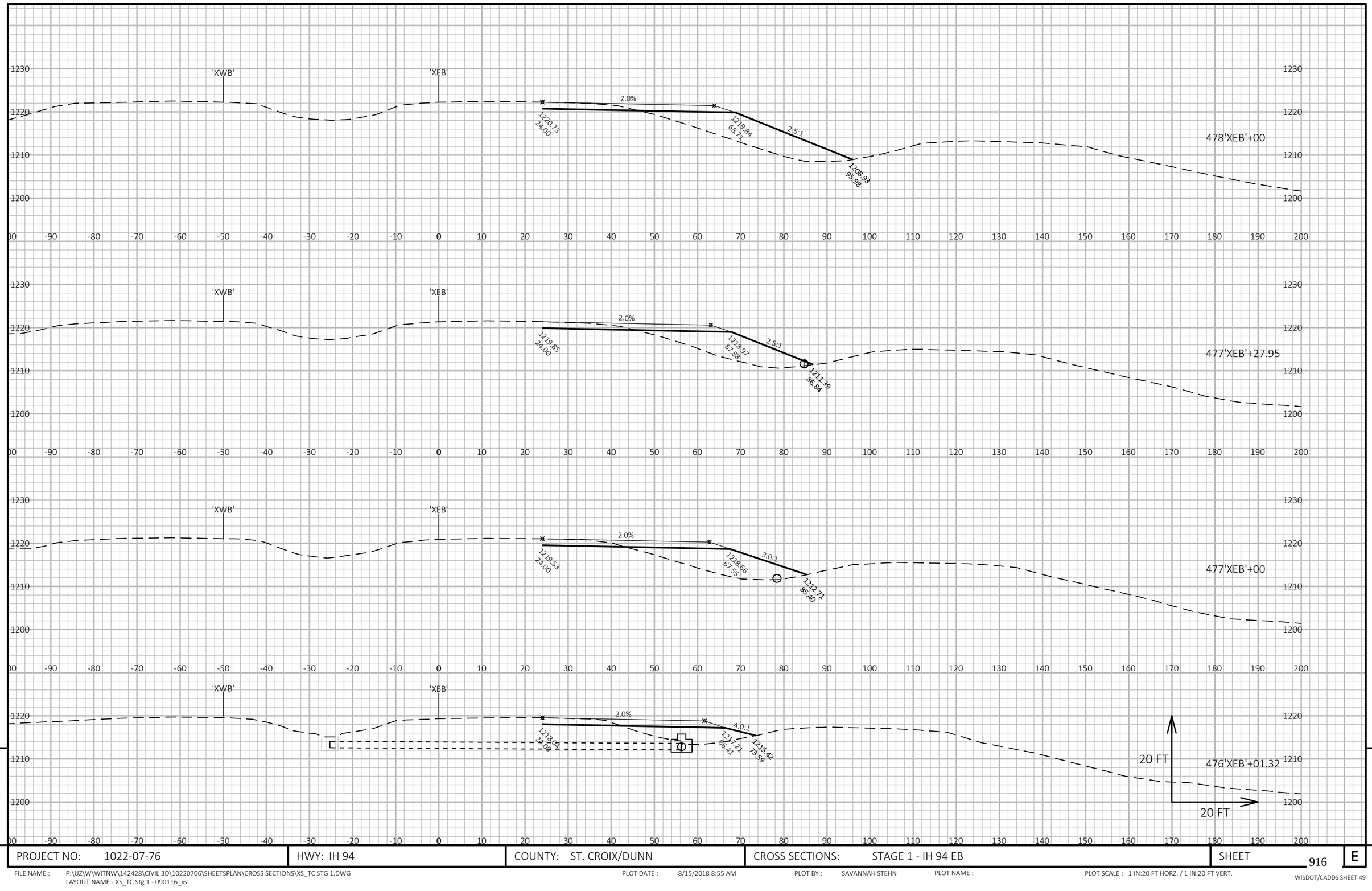
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 1 - IH 94 EB	SHEET 915	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 1.DWG
LAYOUT NAME - XS_TC Stg 1 - 090115_xs

PLOT DATE : 8/15/2018 8:54 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

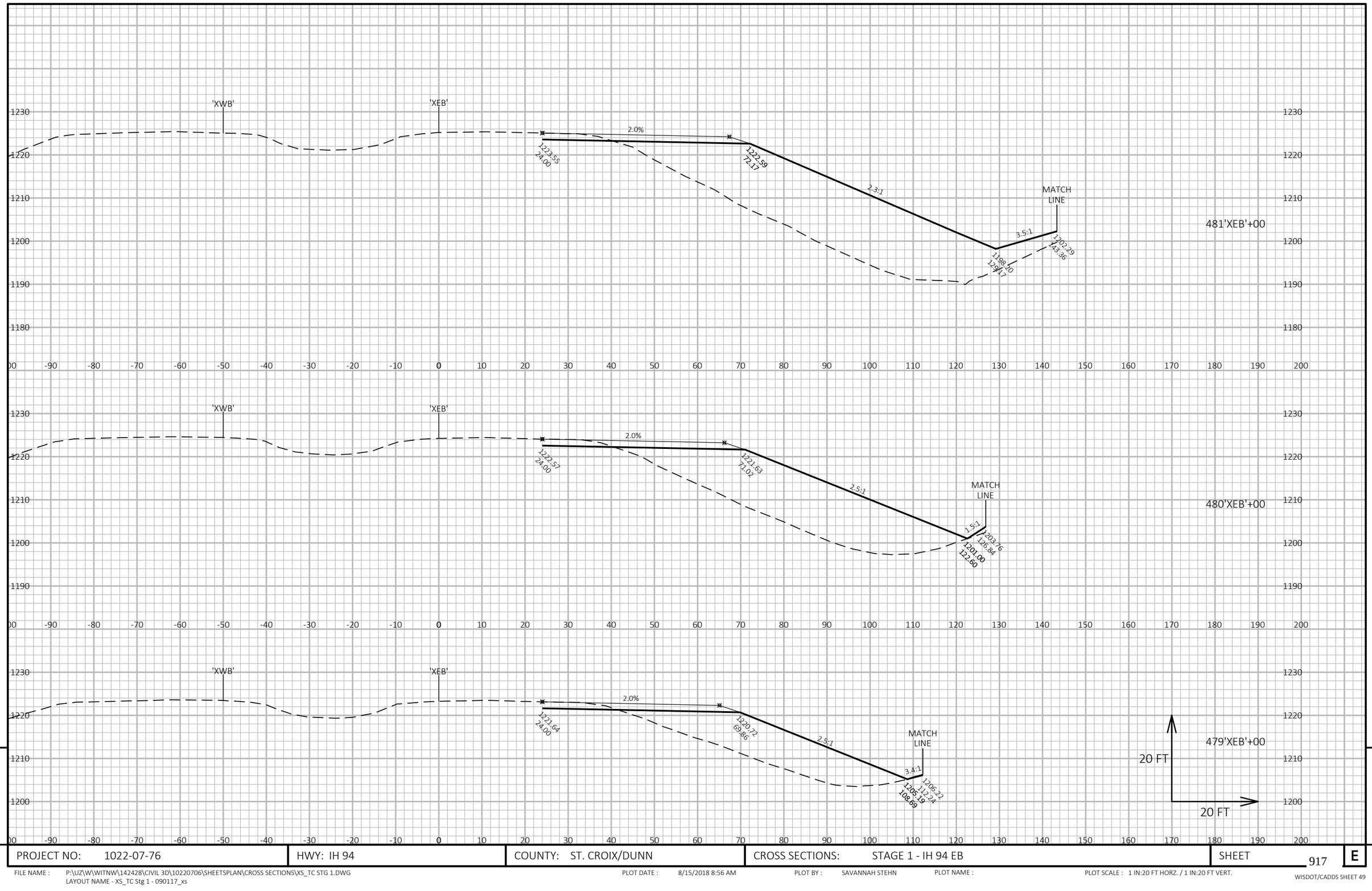
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 1 - IH 94 EB	SHEET 916	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 1.DWG
LAYOUT NAME - XS_TC Stg 1 - 090116_xs

PLOT DATE : 8/15/2018 8:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

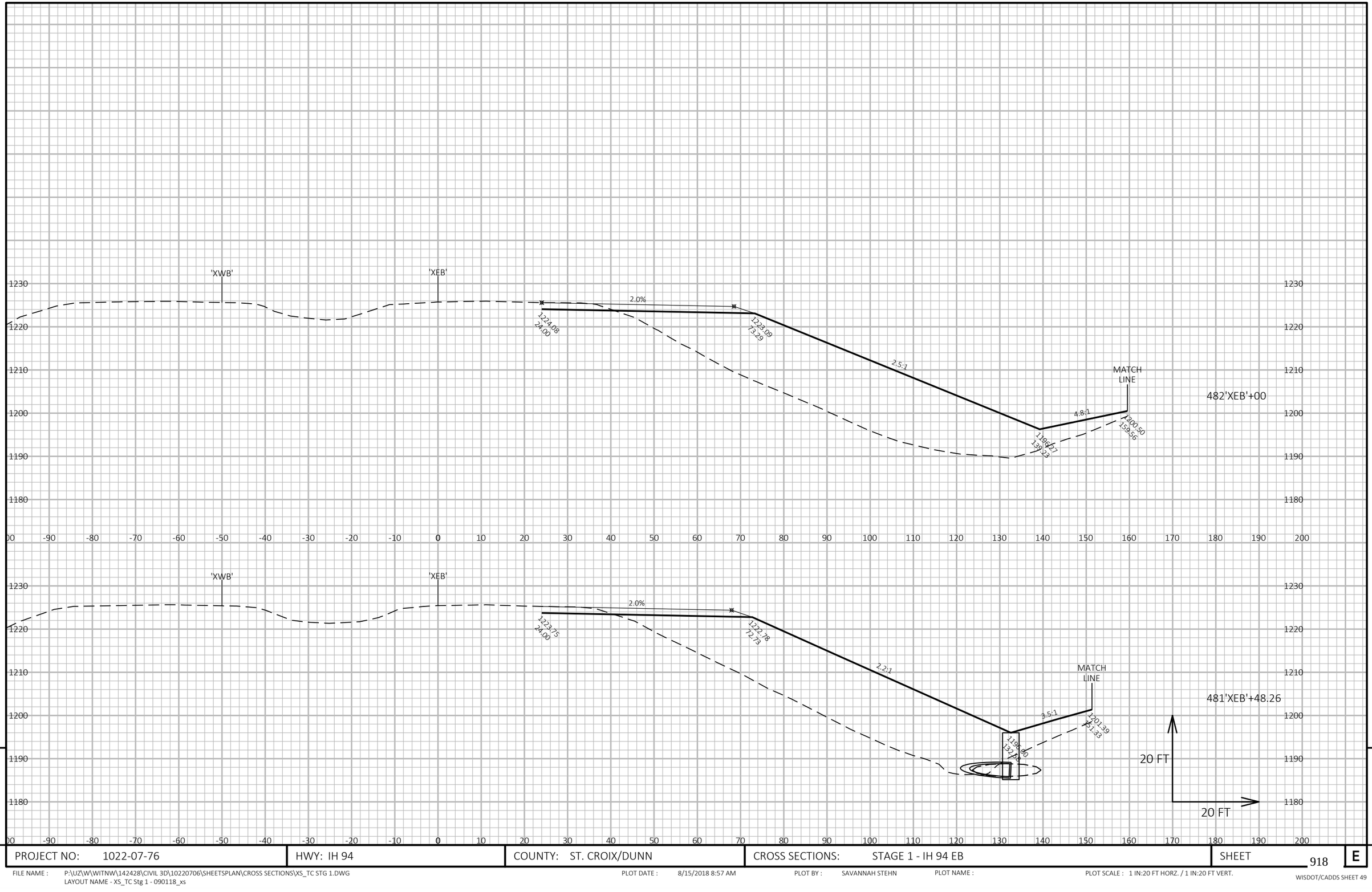
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 1 - IH 94 EB	SHEET 917	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 1.DWG
LAYOUT NAME - XS_TC Stg 1 - 090117_xs

PLOT DATE : 8/15/2018 8:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

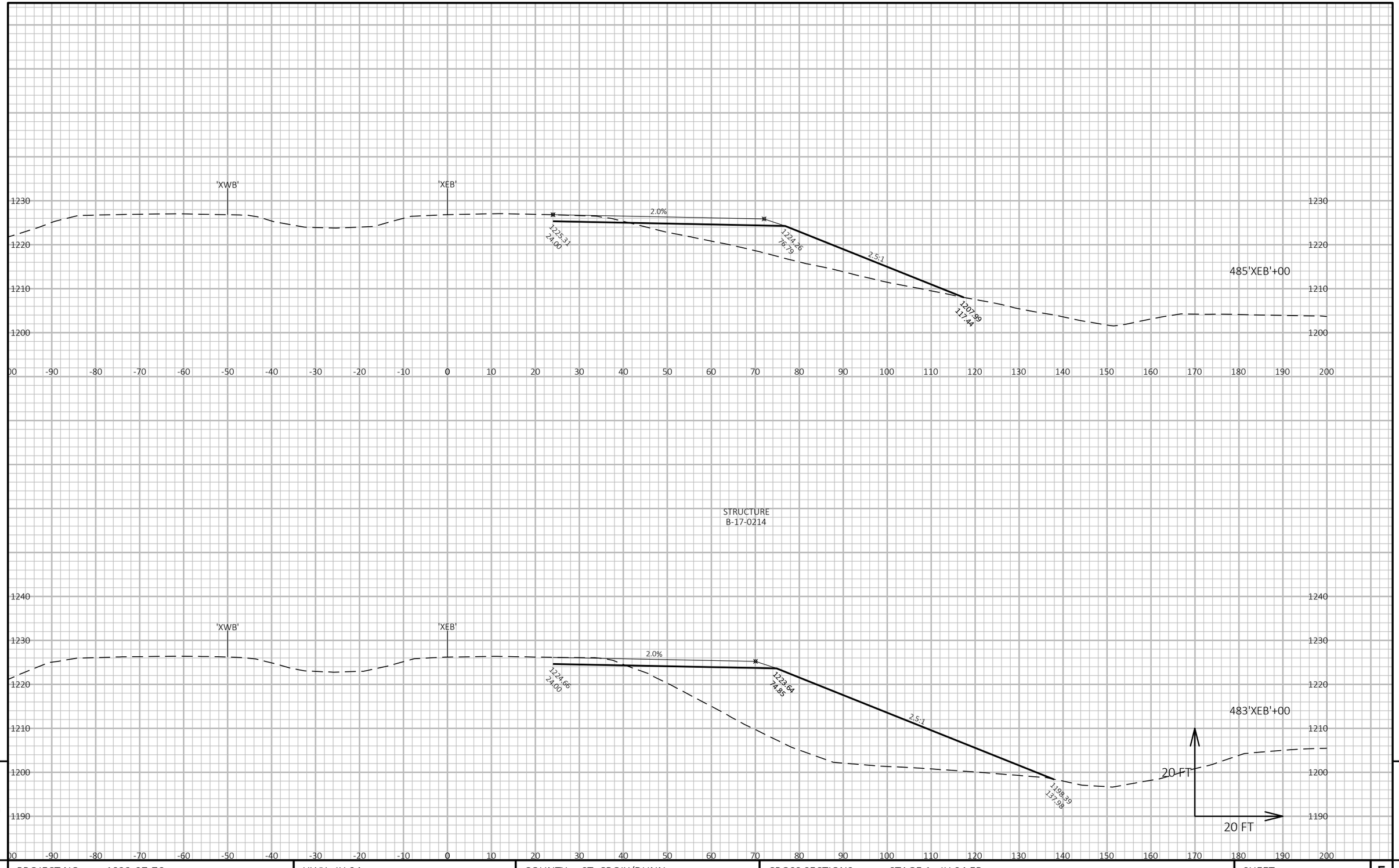
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 1 - IH 94 EB	SHEET 918	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 1.DWG
LAYOUT NAME - XS_TC Stg 1 - 090118_xs

PLOT DATE : 8/15/2018 8:57 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



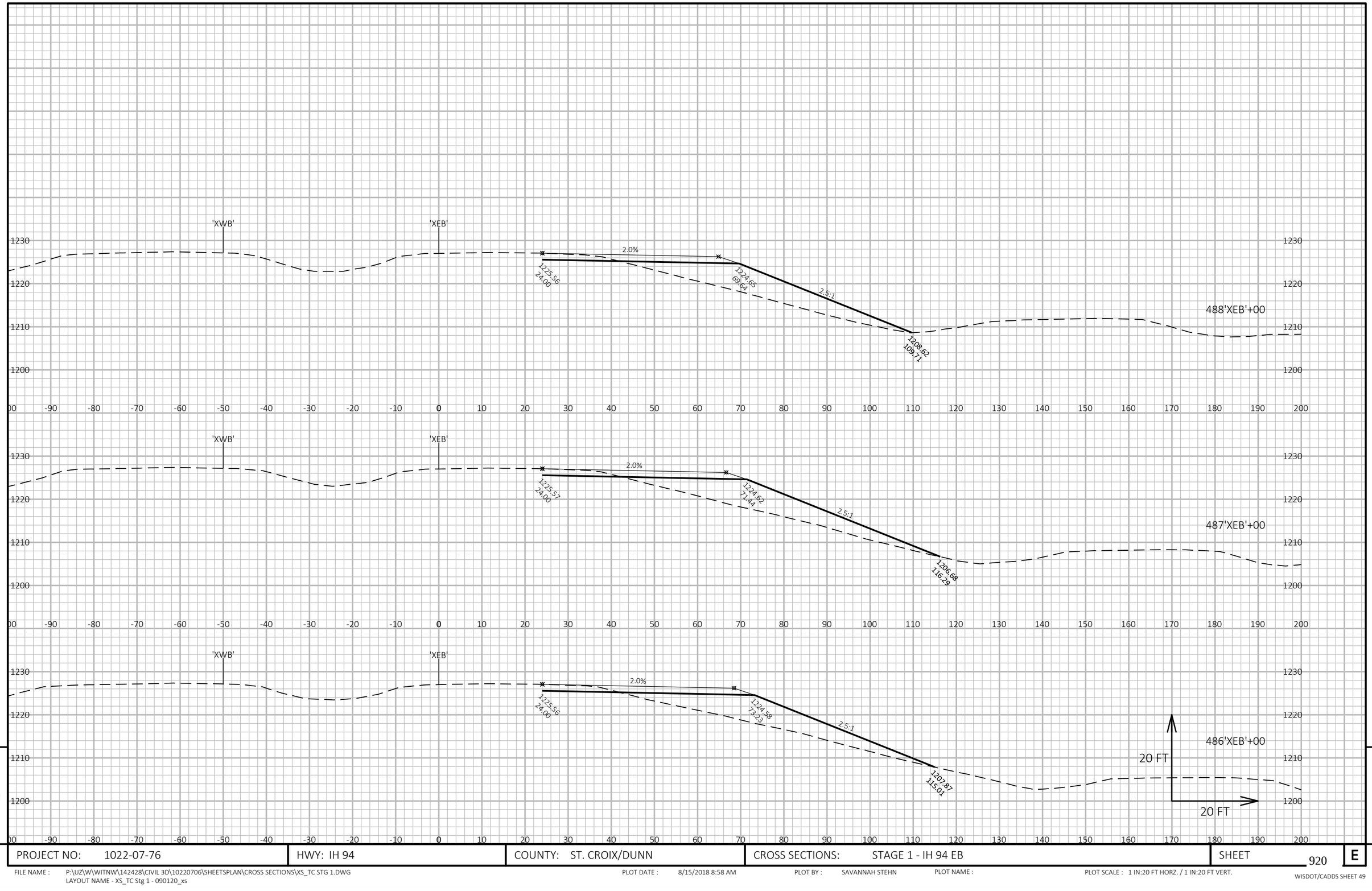
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9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 1 - IH 94 EB	SHEET 919	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 1.DWG
LAYOUT NAME - XS_TC Stg 1 - 090119_xs

PLOT DATE : 8/15/2018 8:57 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

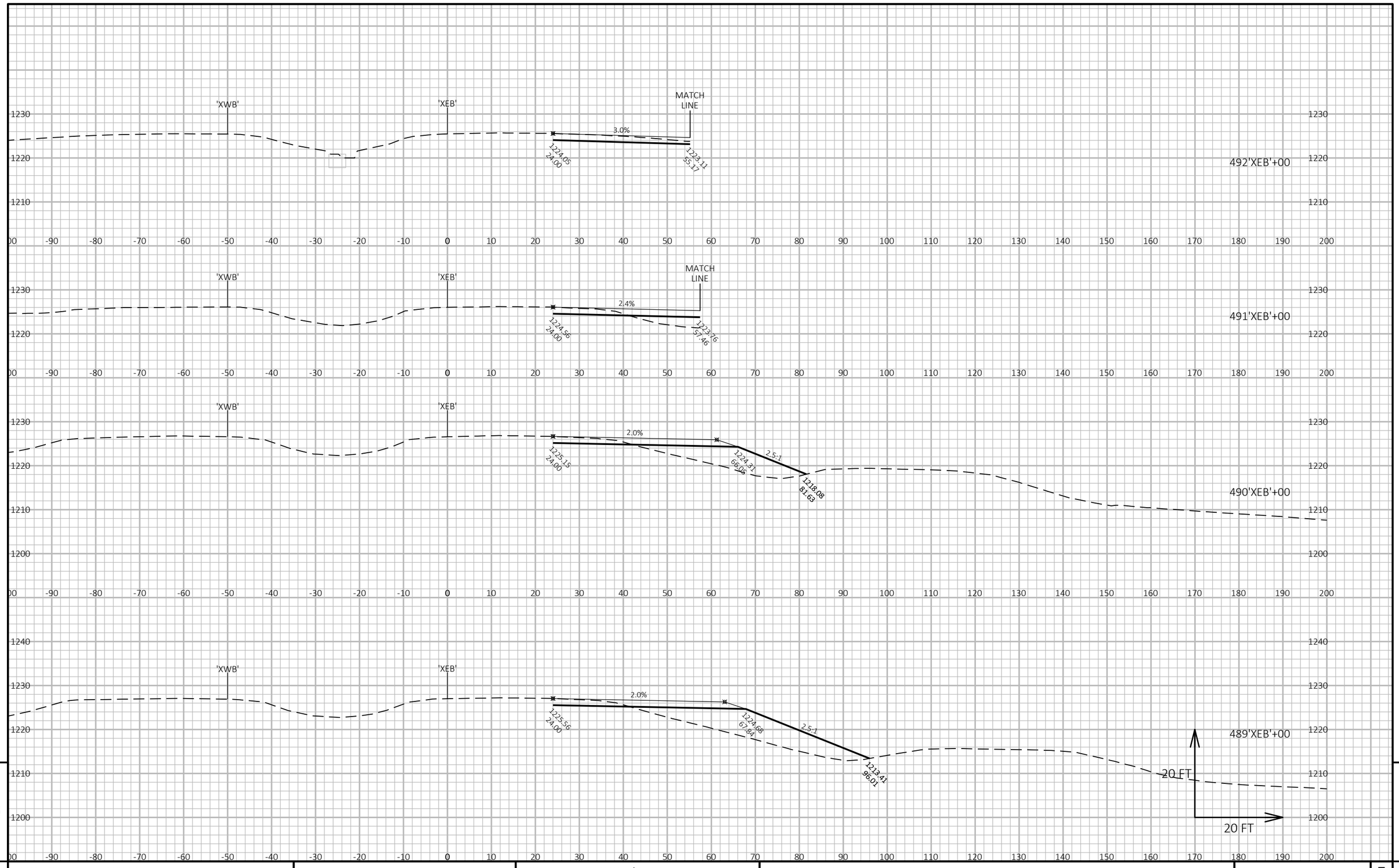
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 1 - IH 94 EB	SHEET 920	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 1.DWG
LAYOUT NAME - XS_TC Stg 1 - 090120_xs

PLOT DATE : 8/15/2018 8:58 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

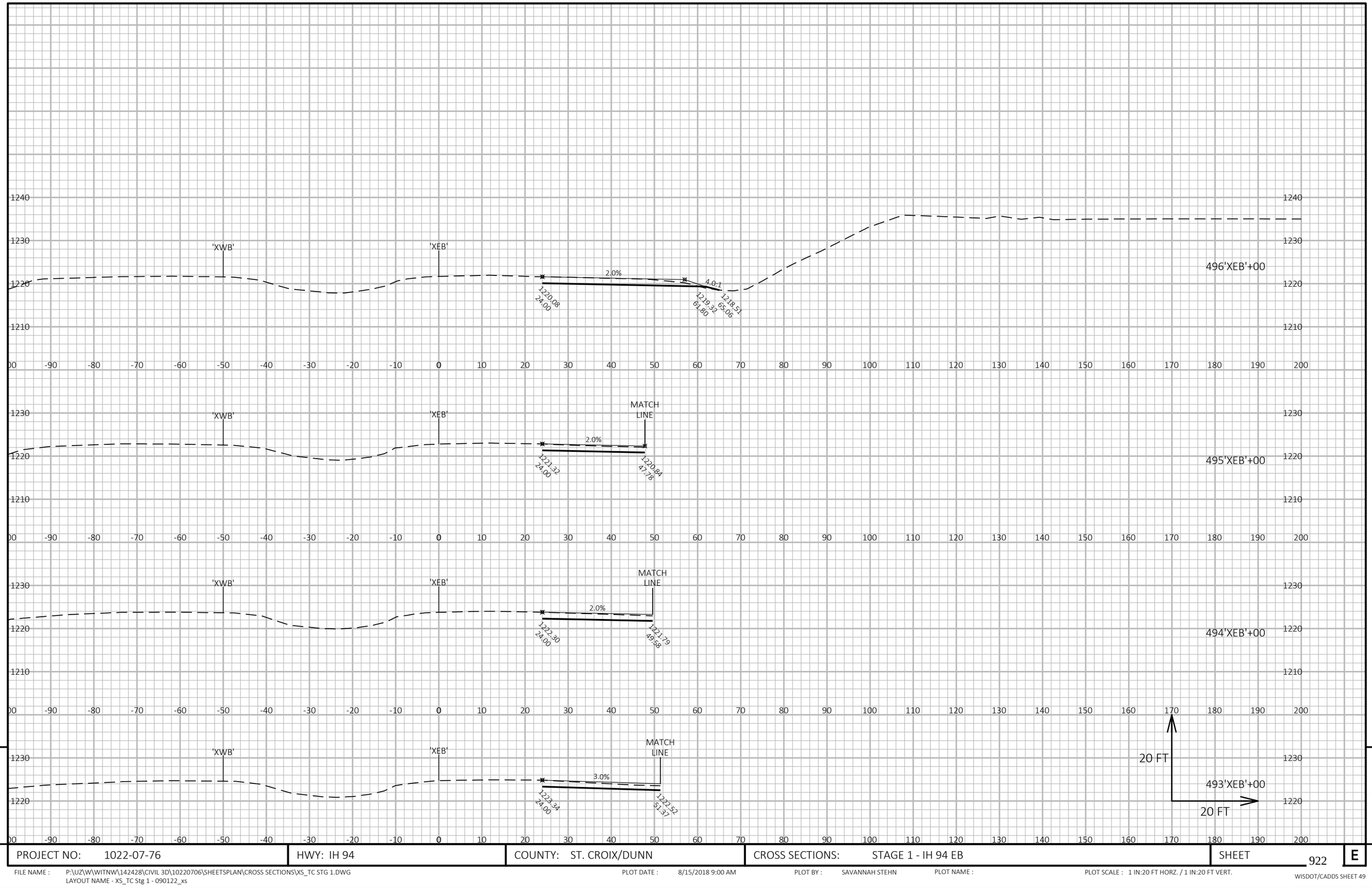
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 1 - IH 94 EB	SHEET 921	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 1.DWG
LAYOUT NAME - XS_TC Stg 1 - 090121_xs

PLOT DATE : 8/15/2018 8:59 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

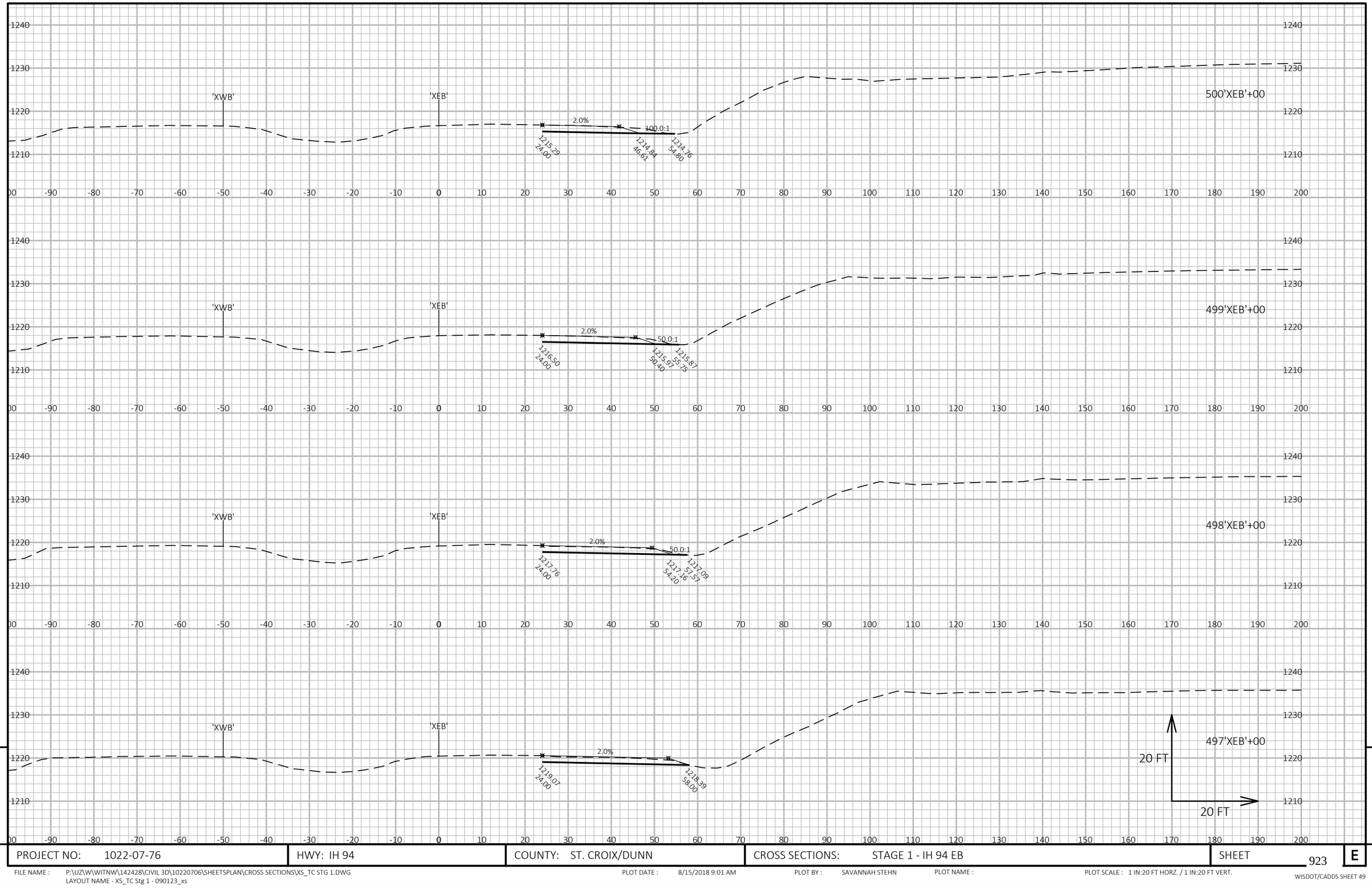
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 1 - IH 94 EB	SHEET 922	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 1.DWG
LAYOUT NAME - XS_TC Stg 1 - 090122_xs

PLOT DATE : 8/15/2018 9:00 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



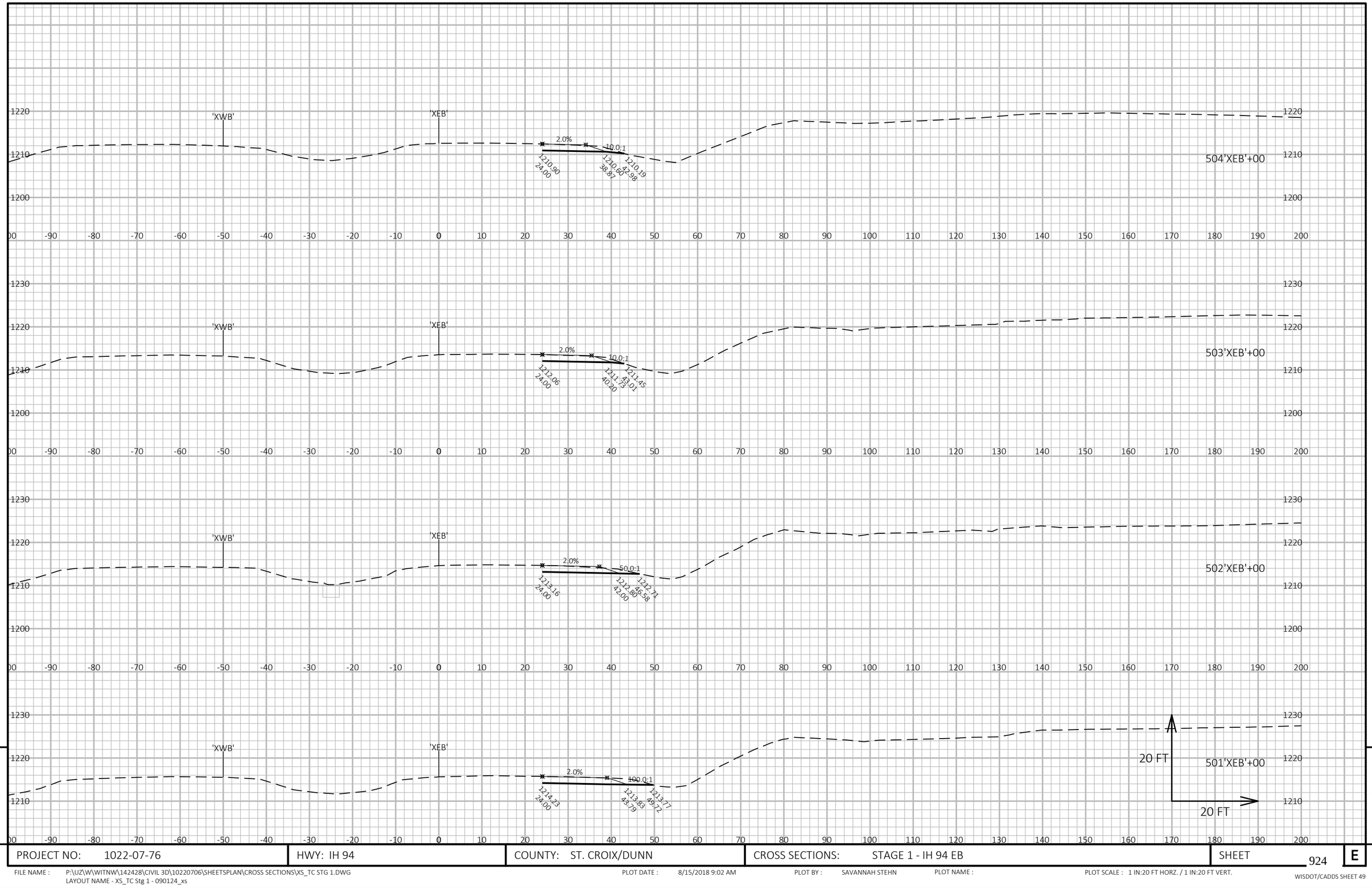
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9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 1 - IH 94 EB	SHEET 923	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 1.DWG
LAYOUT NAME - XS_TC Stg 1 - 090123_xs

PLOT DATE : 8/15/2018 9:01 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 1 - IH 94 EB	SHEET 924	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 1.DWG
LAYOUT NAME - XS_TC Stg 1 - 090124_xs

PLOT DATE : 8/15/2018 9:02 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 506+99.96'XEB'

'XWB'

'XEB'

3.4%

10.0:1

1208.29
24.00

1207.78
38.79

1207.44
42.24

506'XEB'+99.96

'XWB'

'XEB'

3.4%

10.0:1

1208.53
24.00

1209.05
38.79

1208.67
42.39

20 FT

505'XEB'+00

20 FT

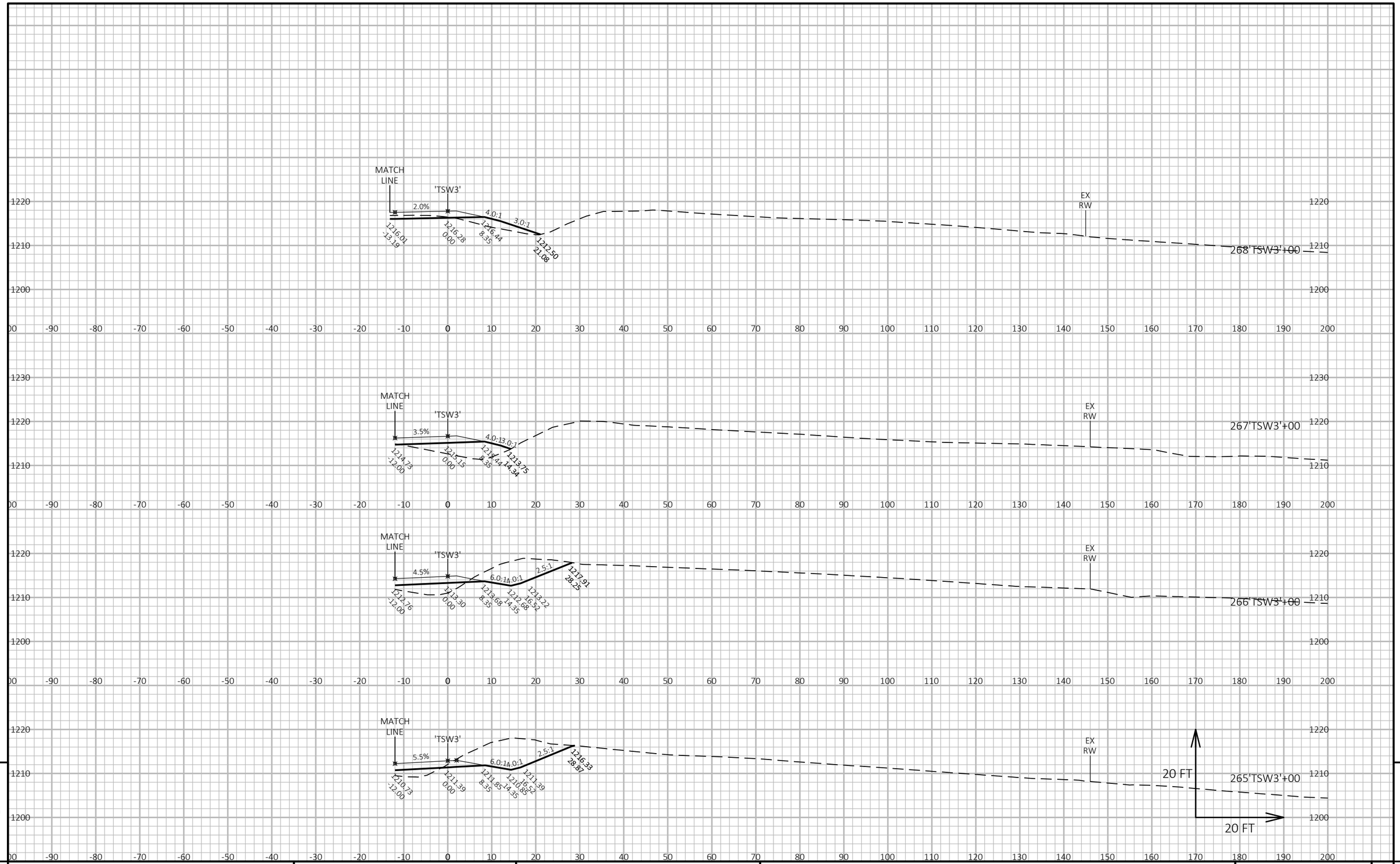
9

9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 1 - IH 94 EB	SHEET 925	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 1.DWG
LAYOUT NAME - XS_TC Stg 1 - 090125_xs

PLOT DATE : 8/15/2018 9:02 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

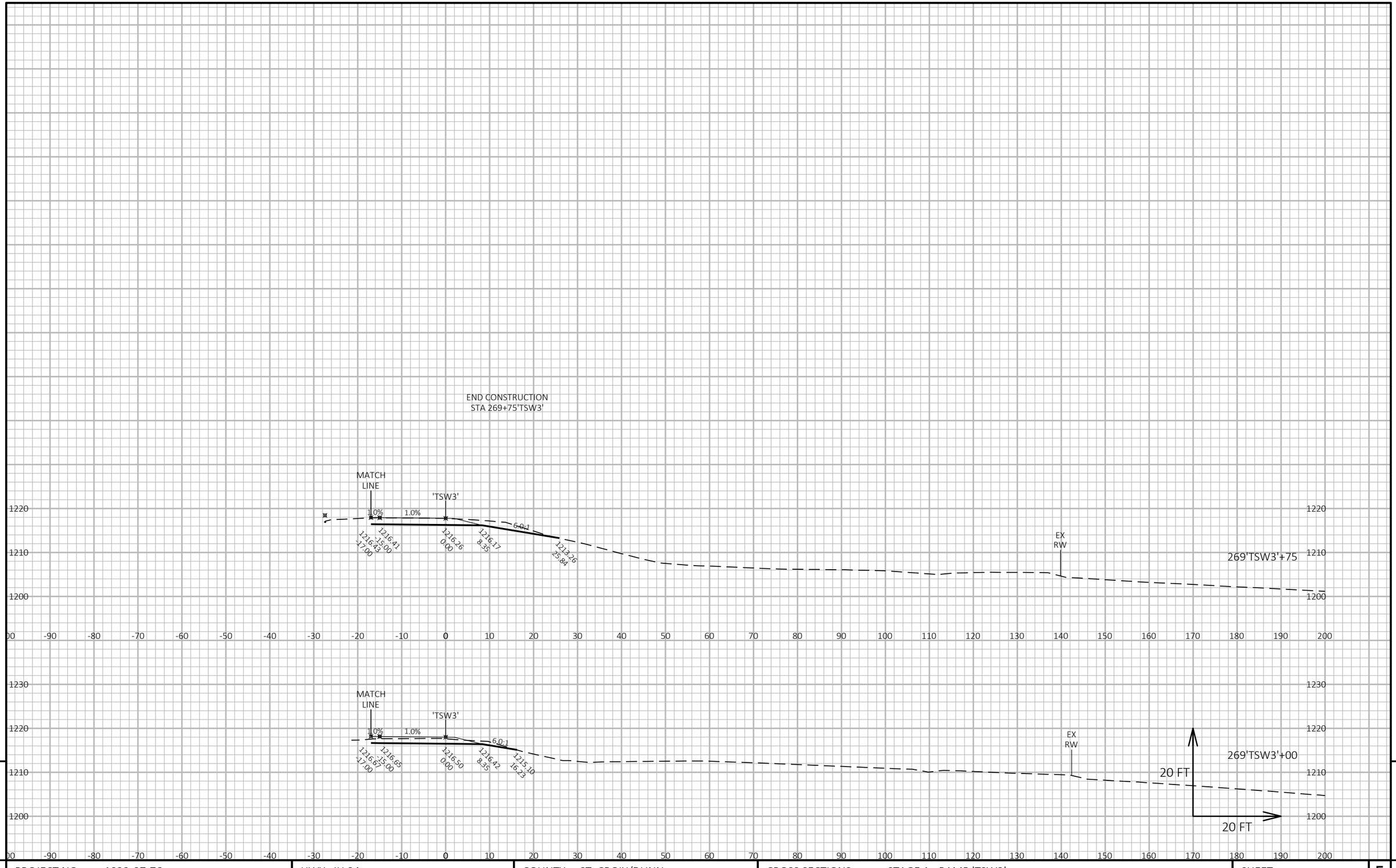


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 1 - RAMP 'TSW3'	SHEET 926	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 1.DWG
LAYOUT NAME - XS_TC Stg 1 - 090126_xs (RAMP TSW3)

PLOT DATE : 8/15/2018 9:03 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

END CONSTRUCTION
STA 269+75'TSW3'

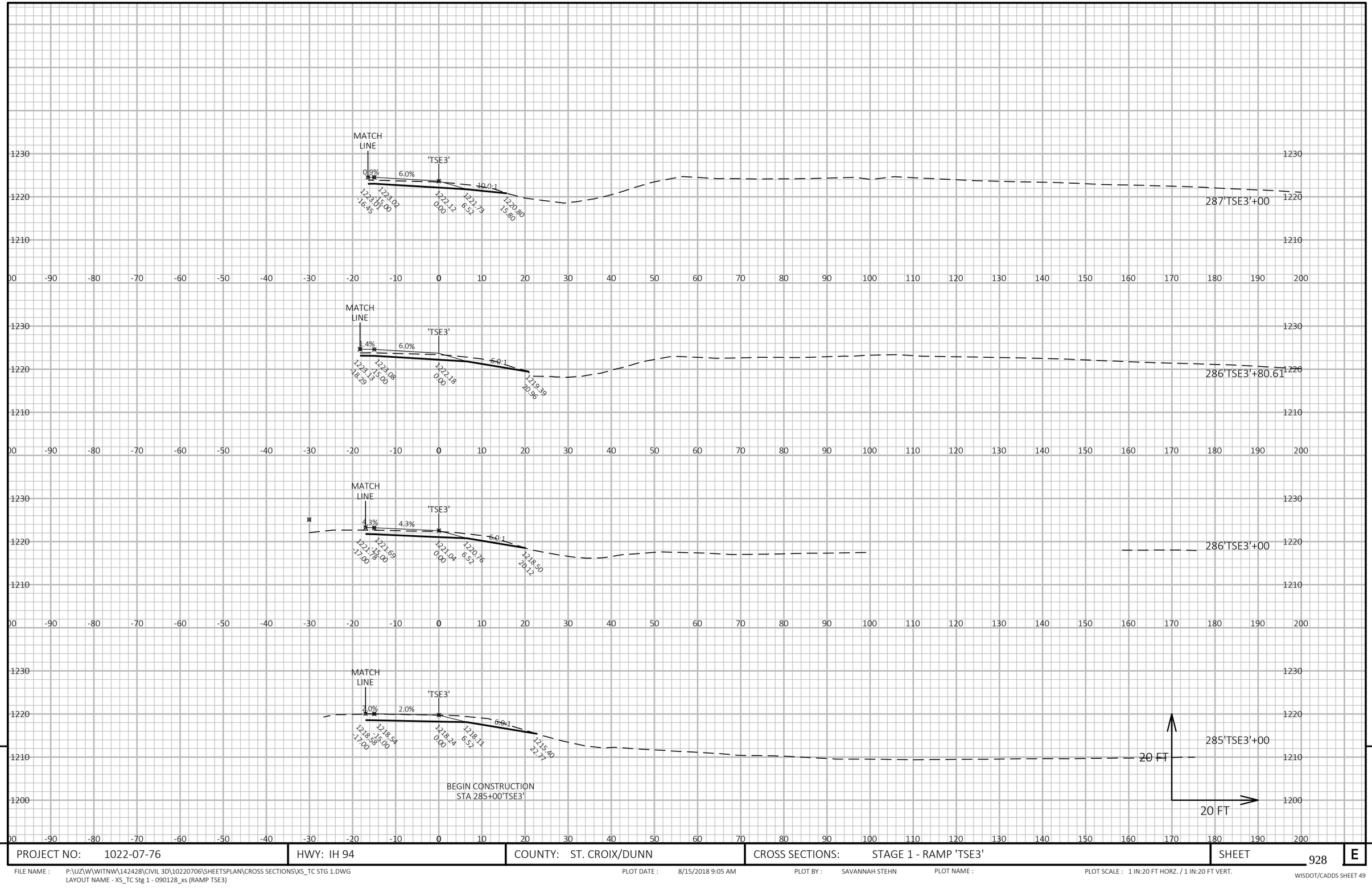


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 1 - RAMP 'TSW3'	SHEET 927	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 1.DWG
LAYOUT NAME - XS_TC Stg 1 - 090127_xs (RAMP TSW3)

PLOT DATE : 8/15/2018 9:04 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



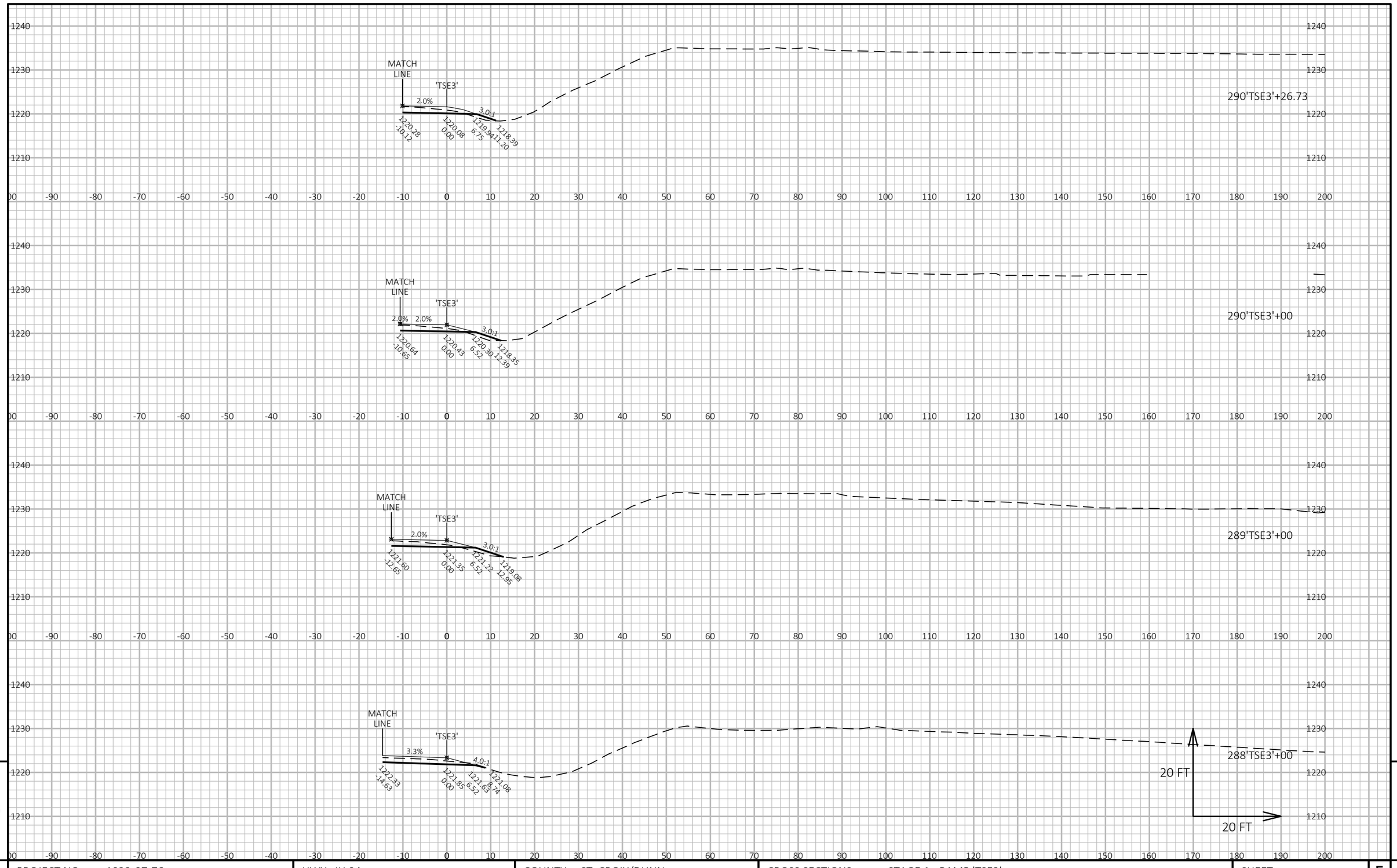
9

9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 1 - RAMP 'TSE3'	SHEET 928	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 1.DWG
LAYOUT NAME - XS_TC Stg 1 - 090128_xs (RAMP TSE3)

PLOT DATE : 8/15/2018 9:05 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



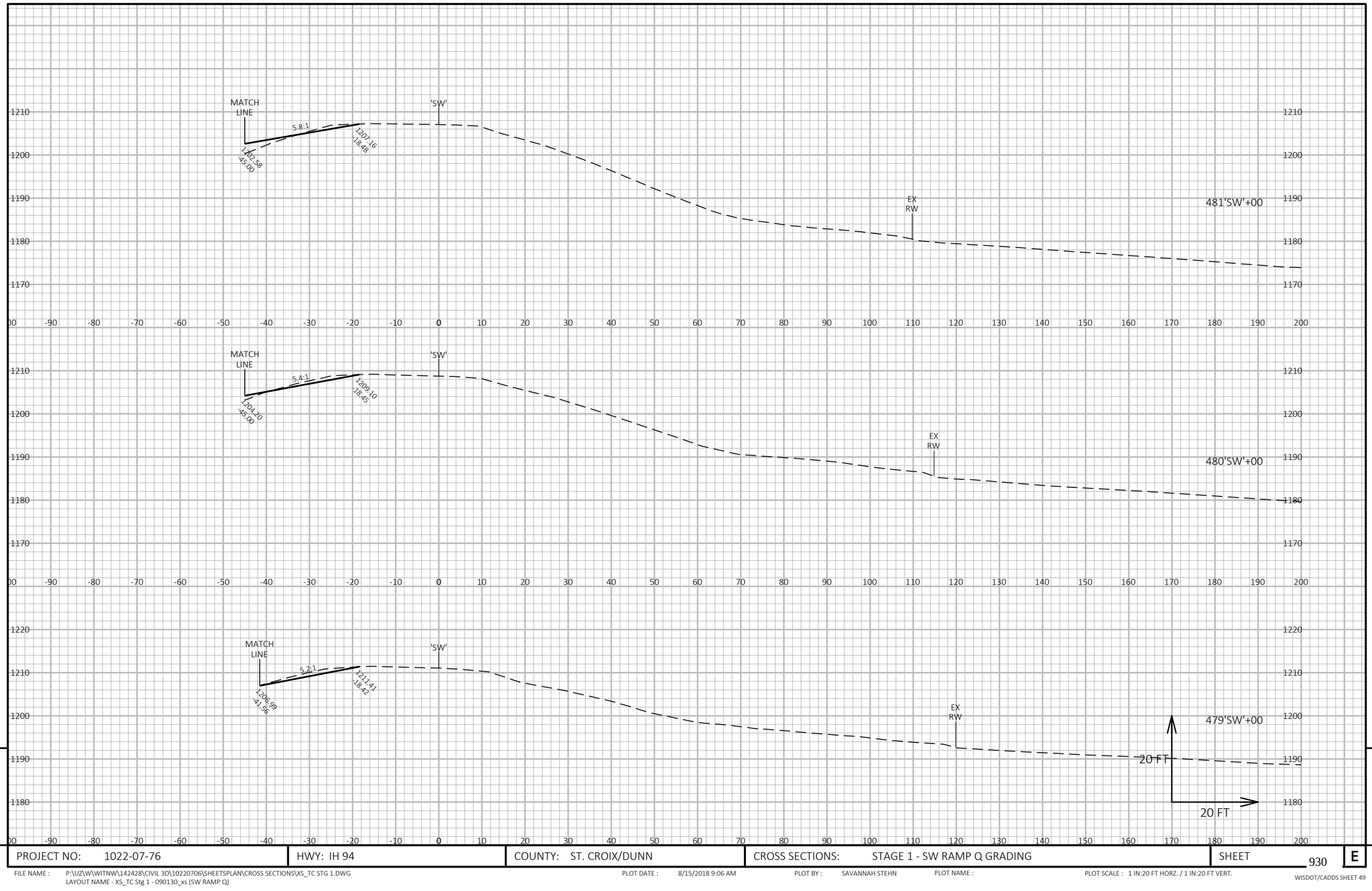
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9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 1 - RAMP 'TSE3'	SHEET 929	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 1.DWG
LAYOUT NAME - XS_TC Stg 1 - 090129_xs (RAMP TSE3)

PLOT DATE : 8/15/2018 9:06 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



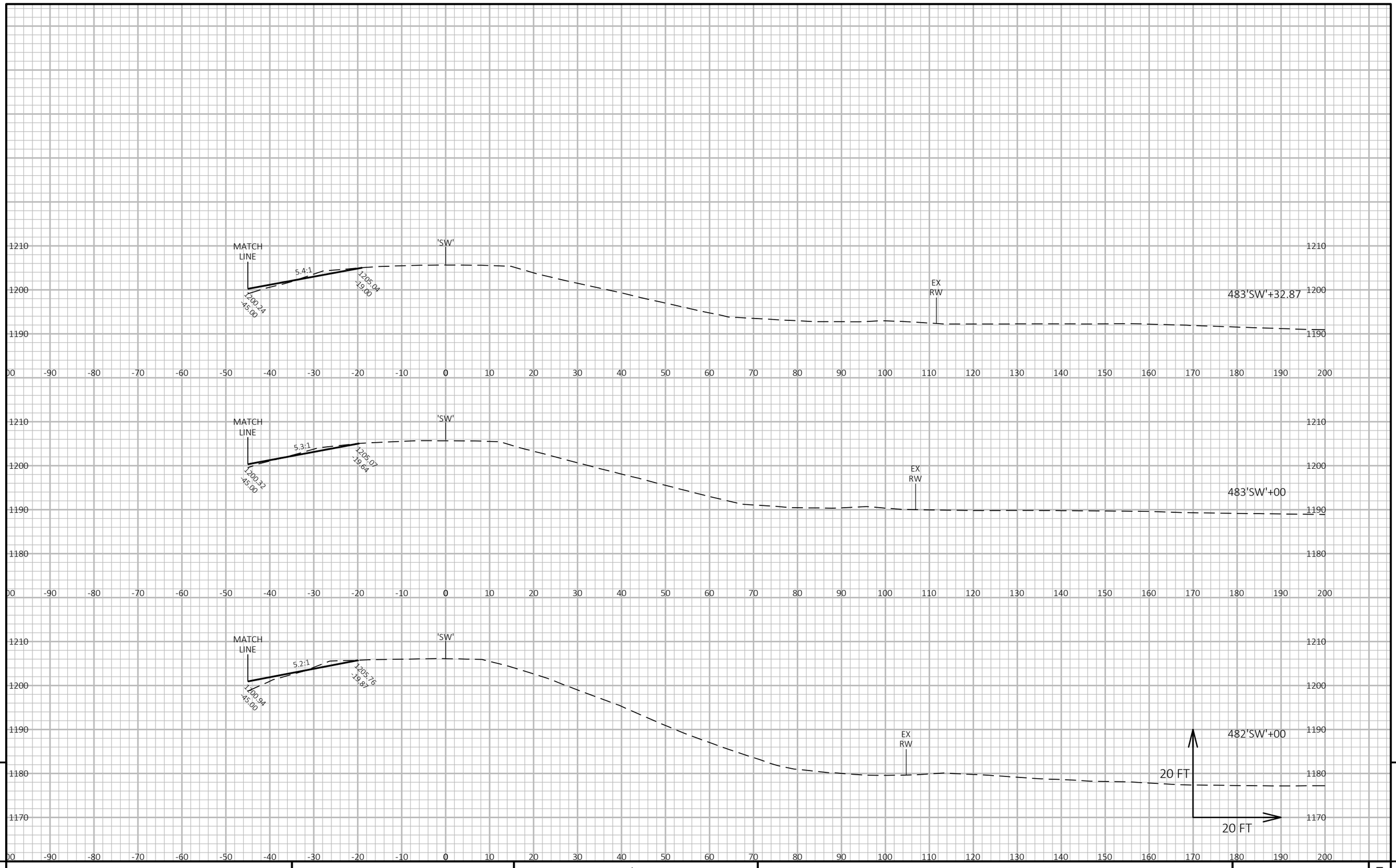
9

9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 1 - SW RAMP Q GRADING	SHEET 930	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 1.DWG
LAYOUT NAME - XS_TC Stg 1 - 090130_xs (SW RAMP Q)

PLOT DATE : 8/15/2018 9:06 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



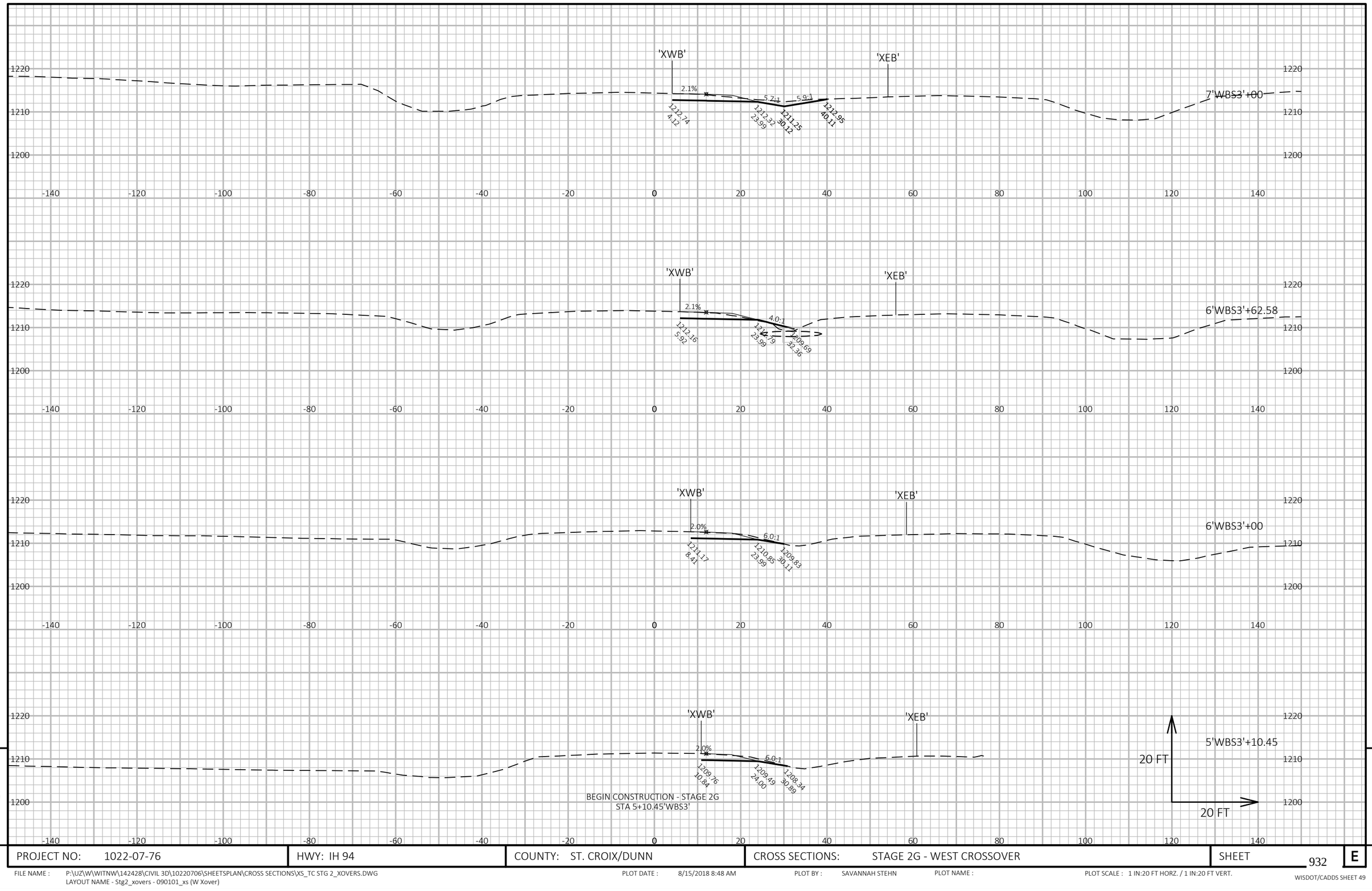
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9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 1 - SW RAMP Q GRADING	SHEET 931	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 1.DWG
LAYOUT NAME - XS_TC Stg 1 - 090131_xs (SW RAMP Q)

PLOT DATE : 8/15/2018 9:07 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



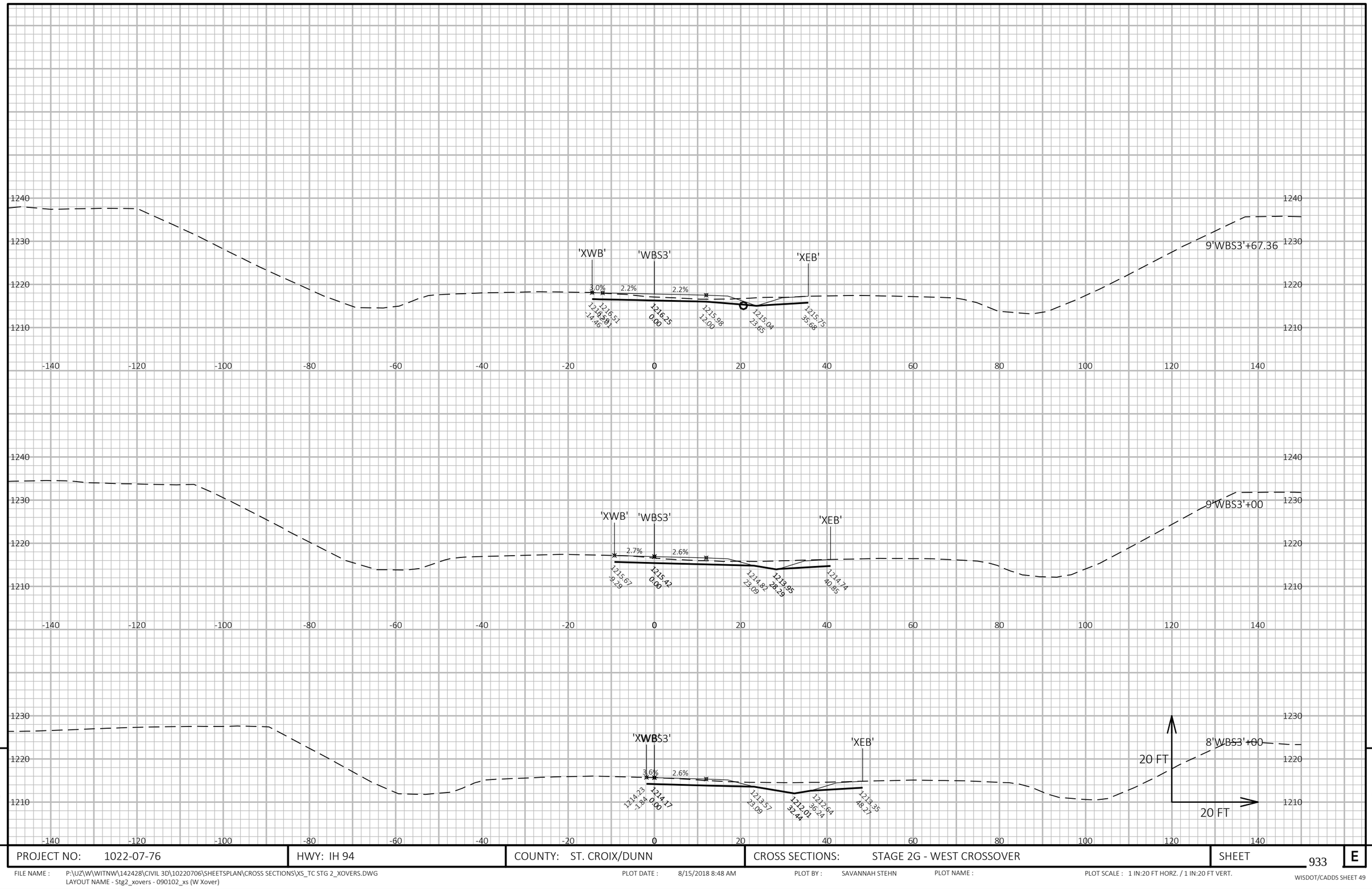
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - WEST CROSSOVER	SHEET 932	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2_XOVERS.DWG
LAYOUT NAME - Stg2_xovers - 090101_xs (W Xover)

PLOT DATE : 8/15/2018 8:48 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



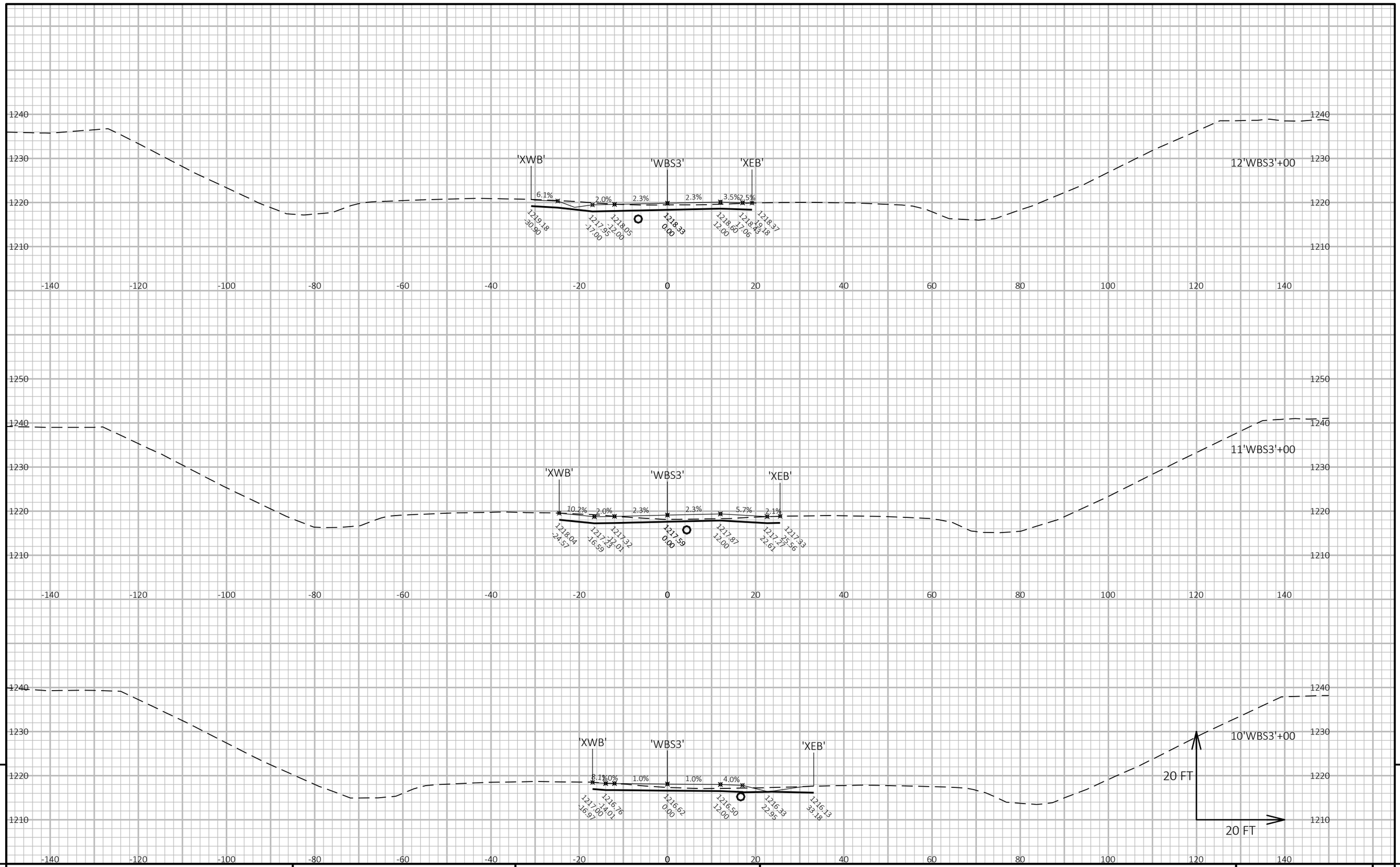
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - WEST CROSSOVER	SHEET 933	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2_XOVERS.DWG
LAYOUT NAME - Stg2_xovers - 090102_xs (W Xover)

PLOT DATE : 8/15/2018 8:48 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



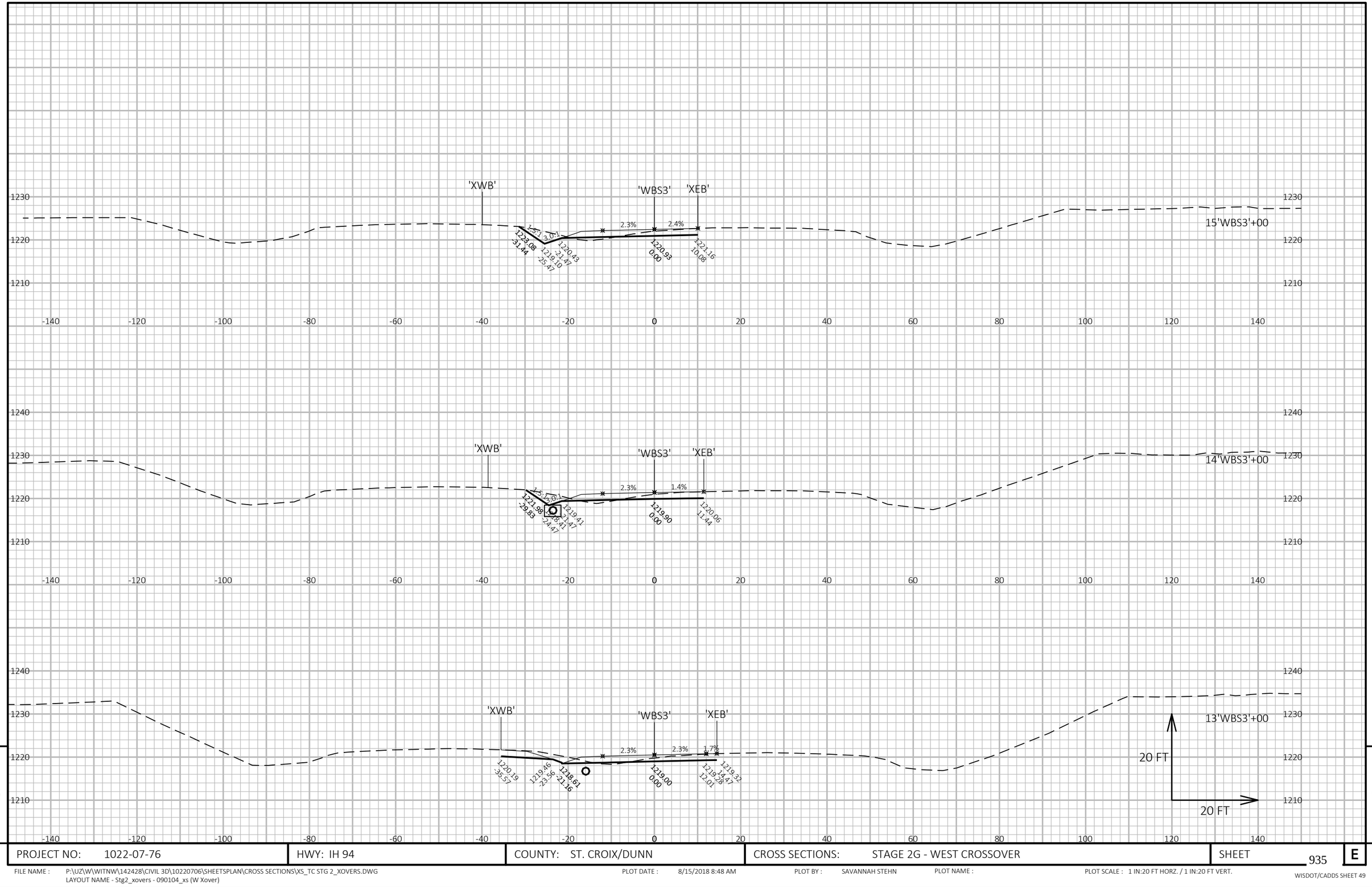
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - WEST CROSSOVER	SHEET 934	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2_XOVERS.DWG
LAYOUT NAME - Stg2_xovers - 090103_xs (W Xover)

PLOT DATE : 8/15/2018 8:48 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



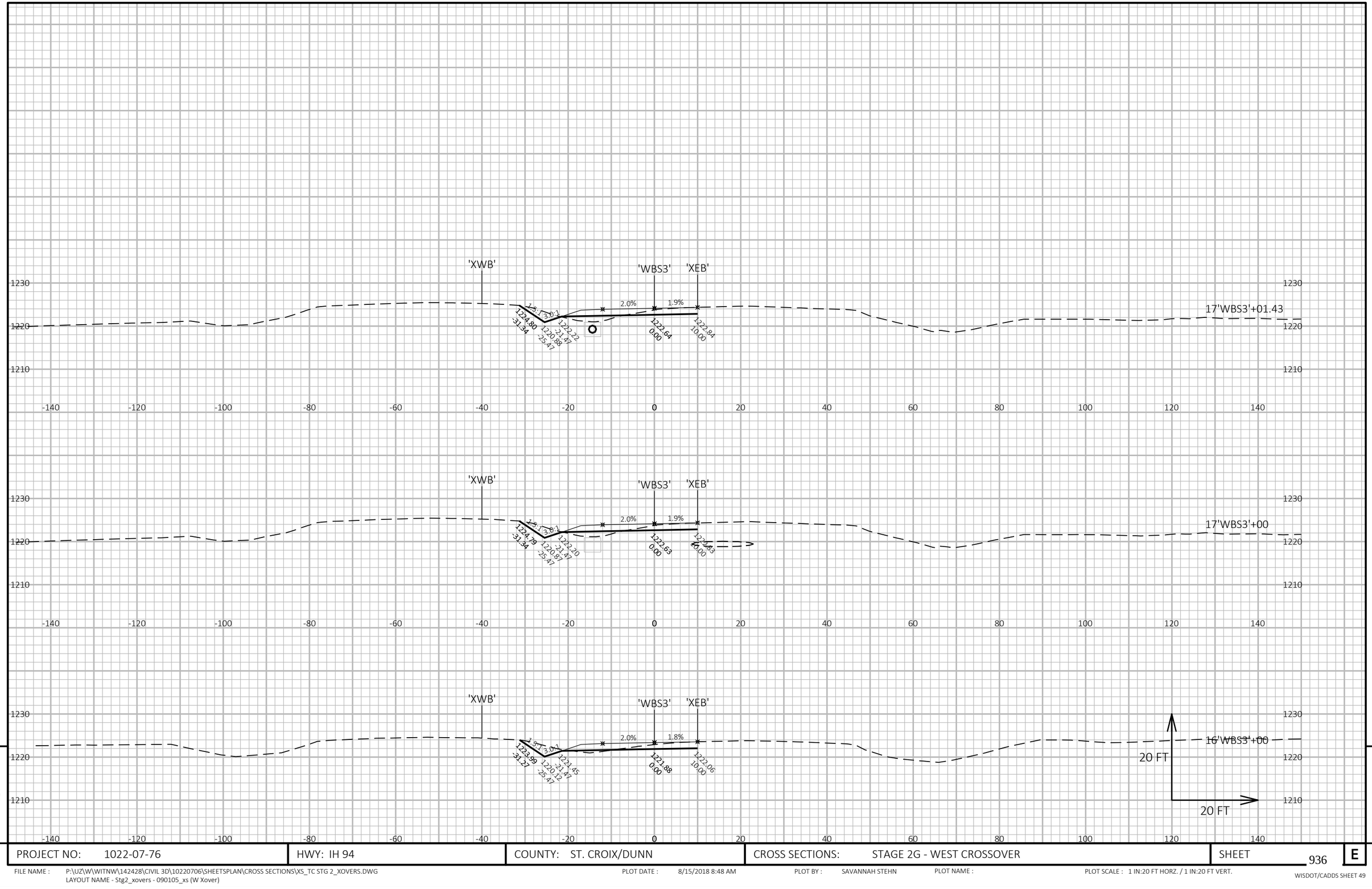
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - WEST CROSSOVER	SHEET 935	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2_XOVERS.DWG
LAYOUT NAME - Stg2_xovers - 090104_xs (W Xover)

PLOT DATE : 8/15/2018 8:48 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



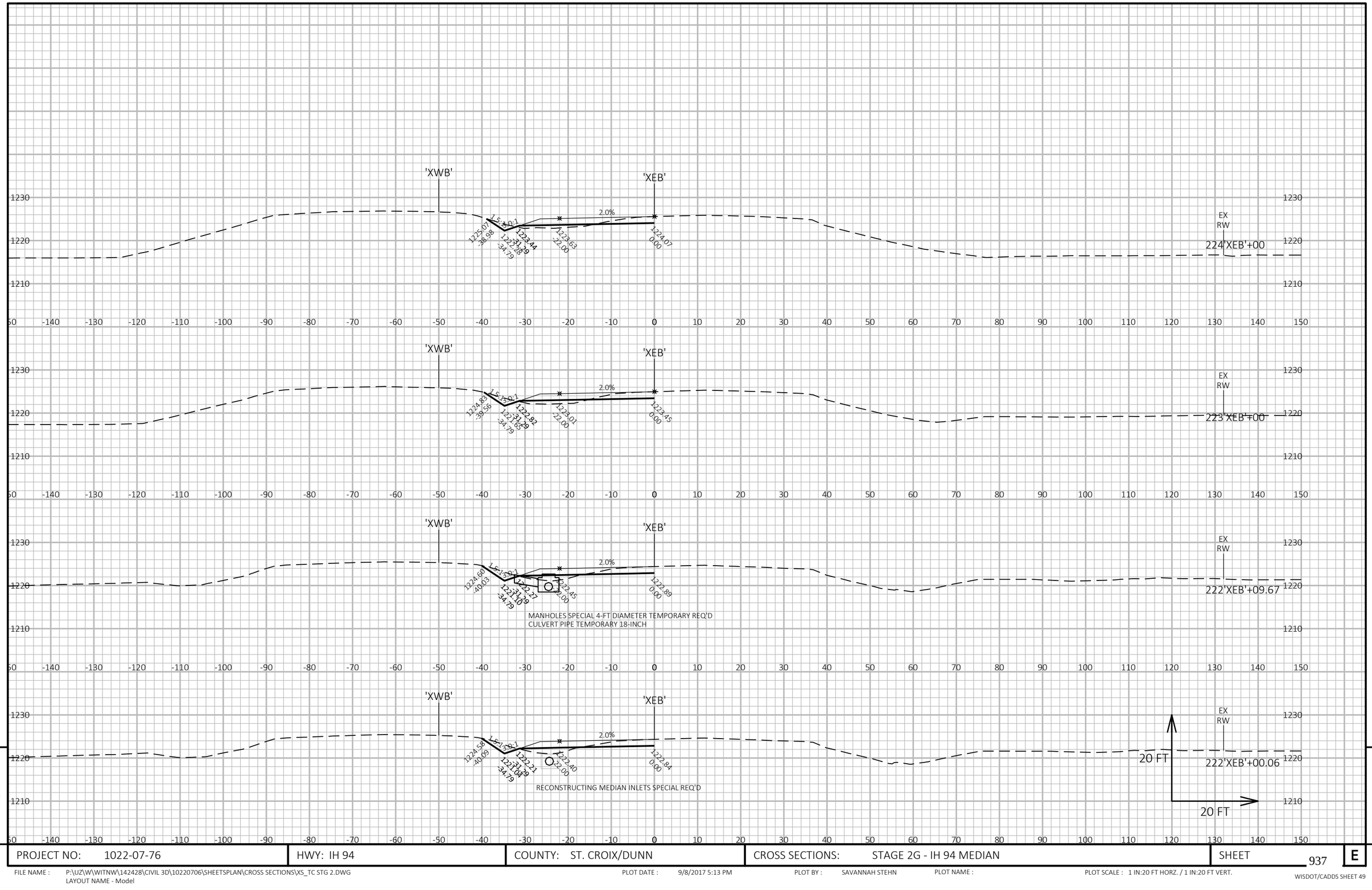
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - WEST CROSSOVER	SHEET 936	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2_XOVERS.DWG
LAYOUT NAME - Stg2_xovers - 090105_xs (W Xover)

PLOT DATE : 8/15/2018 8:48 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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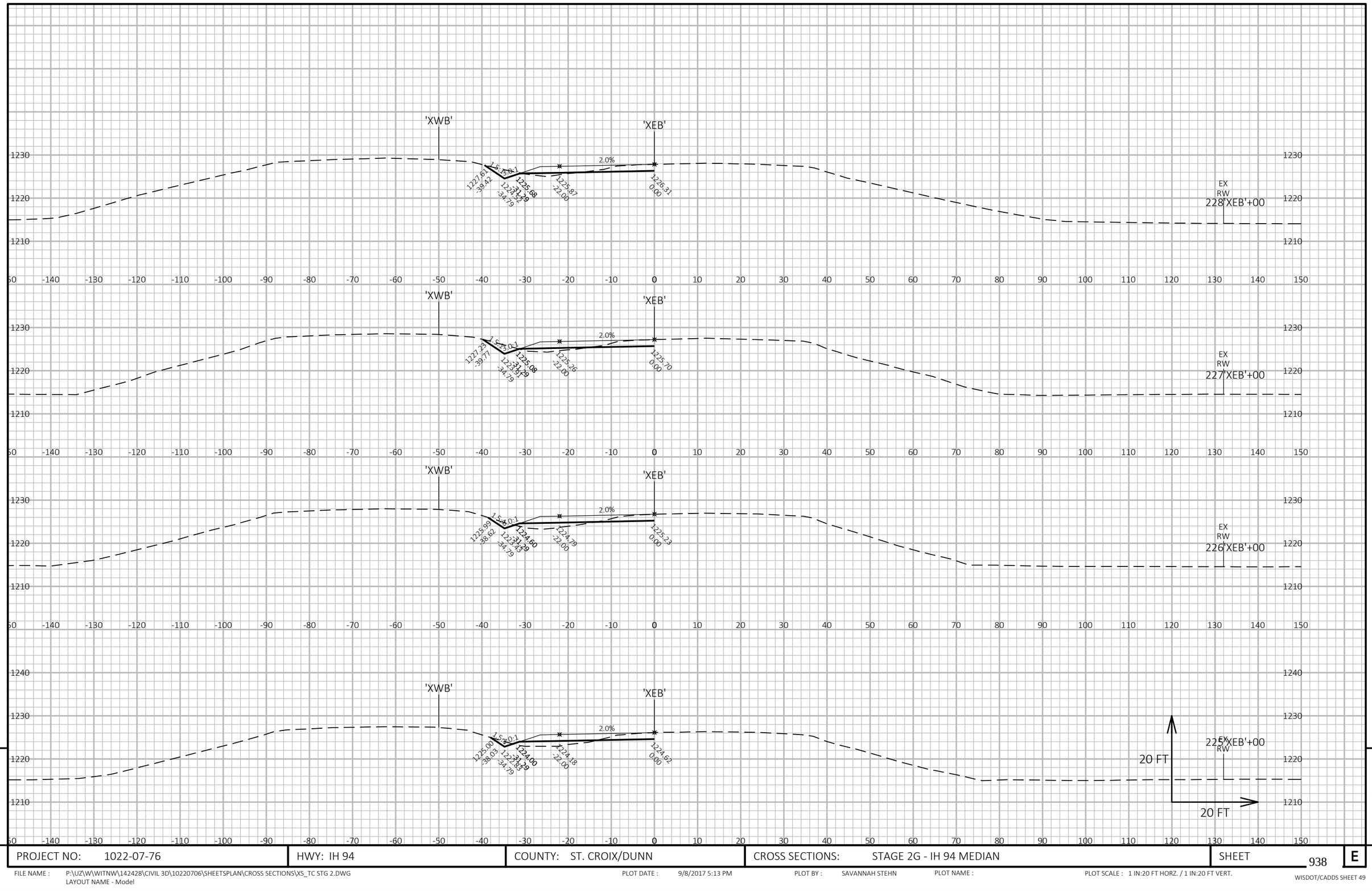
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 937	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



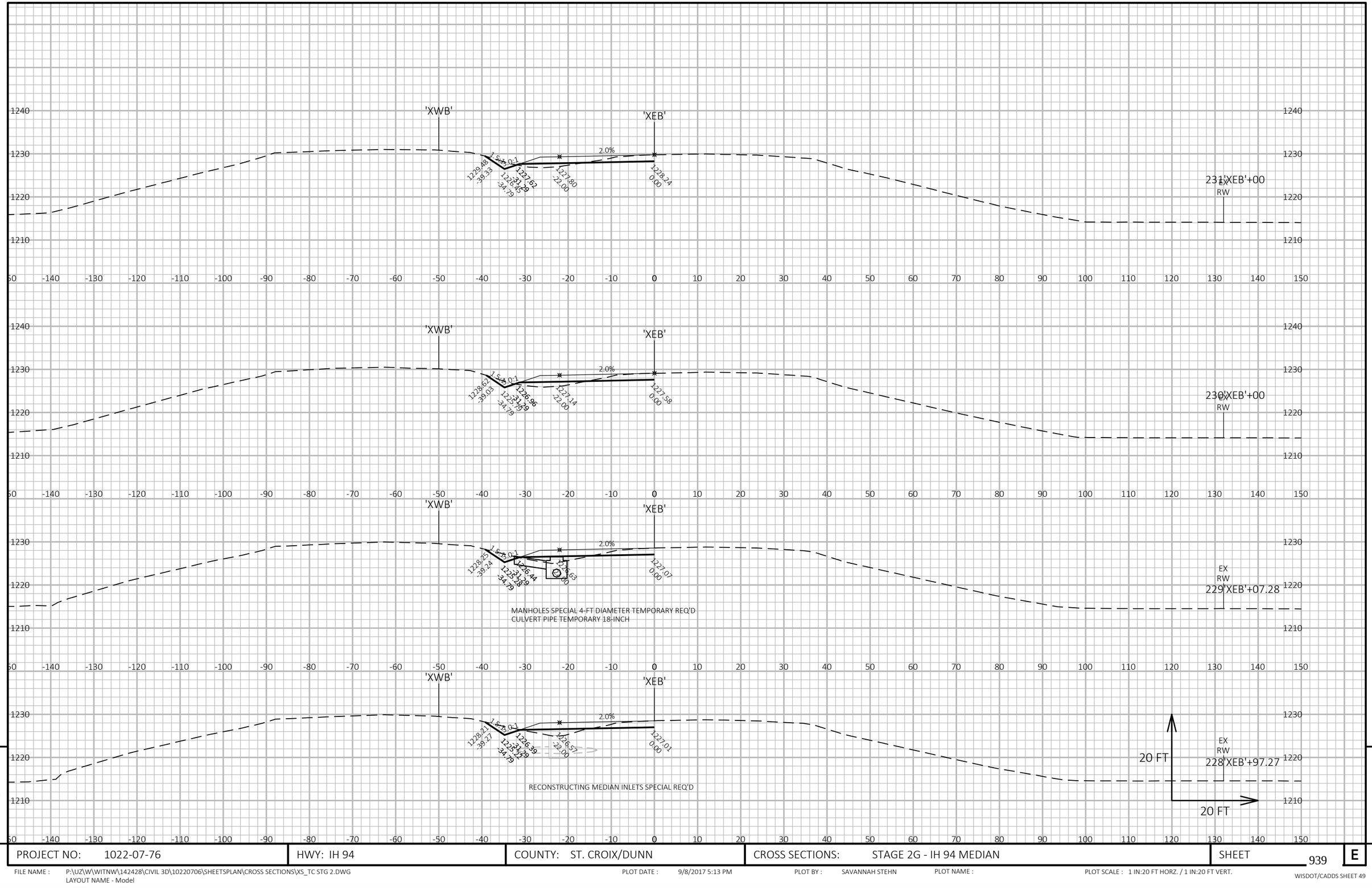
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 938	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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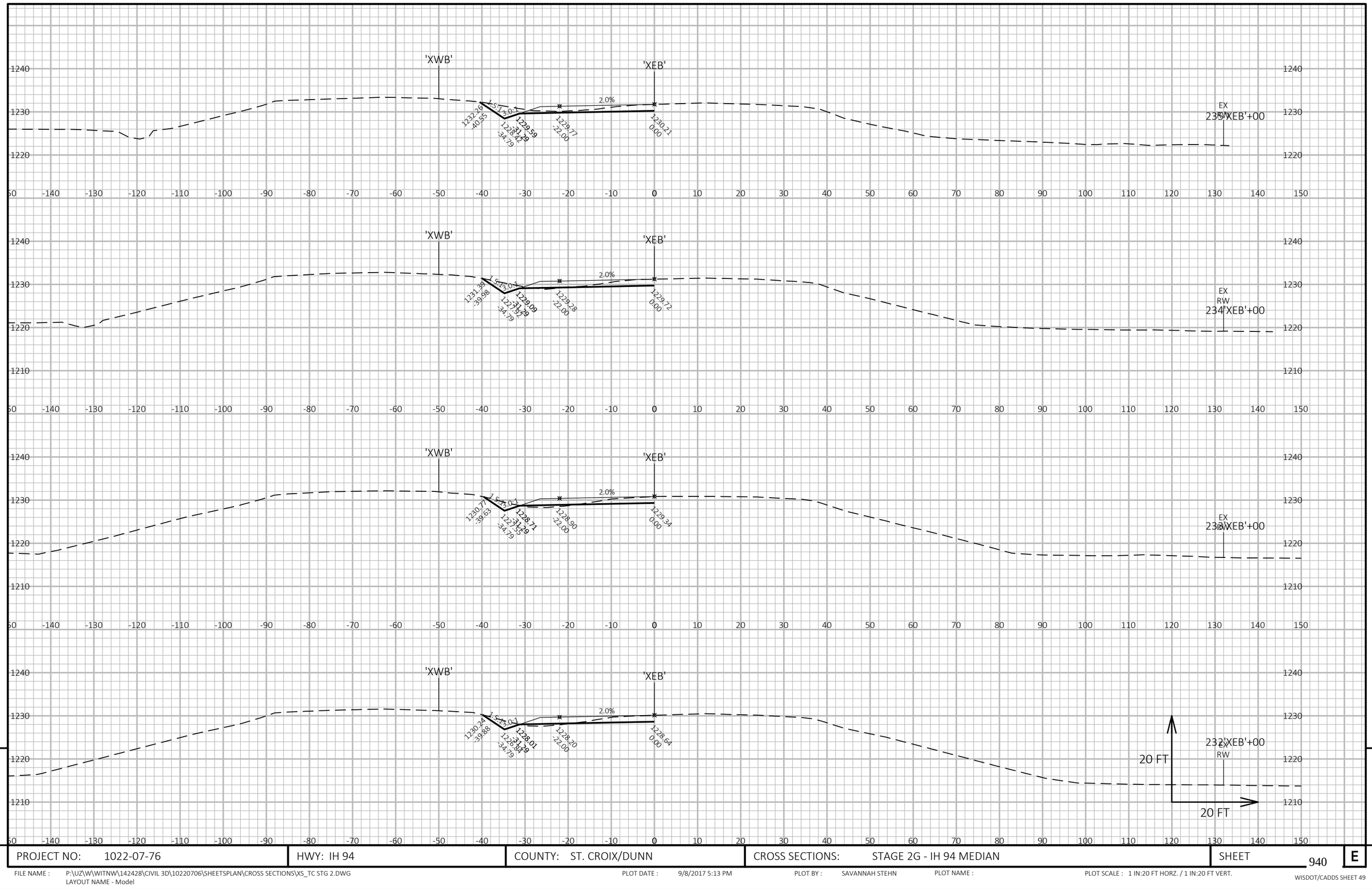
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 939	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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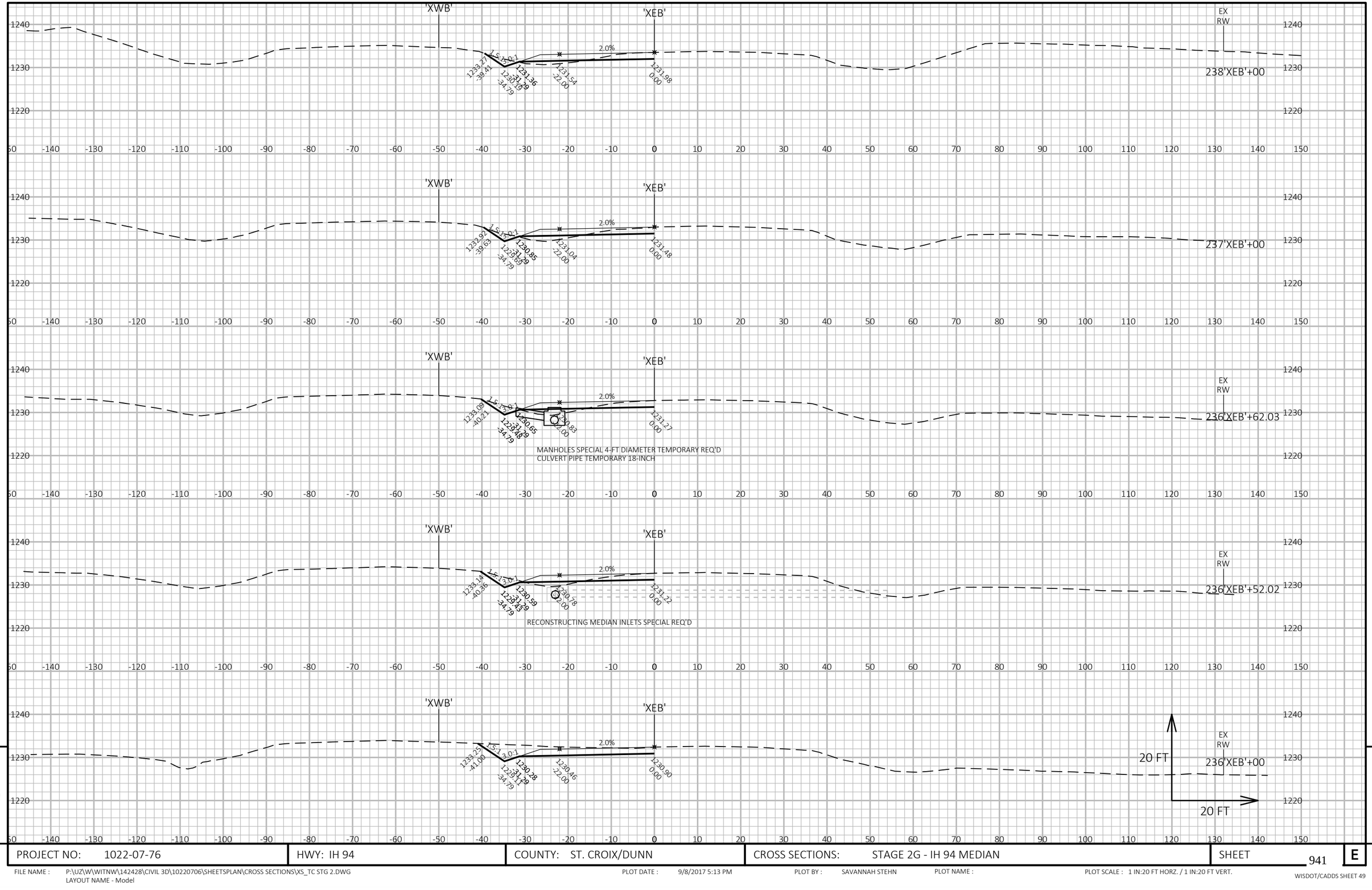
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 940	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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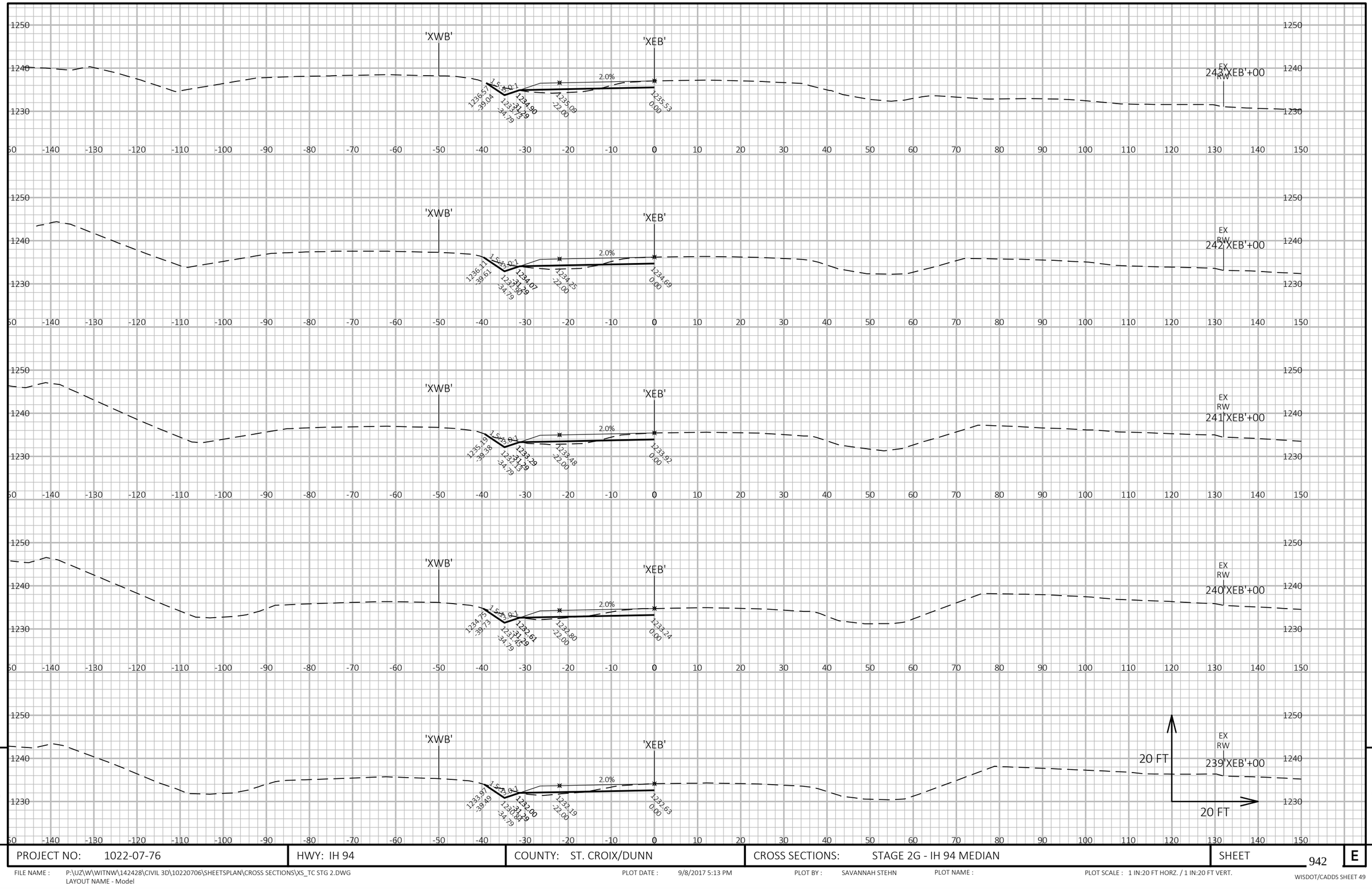
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 941	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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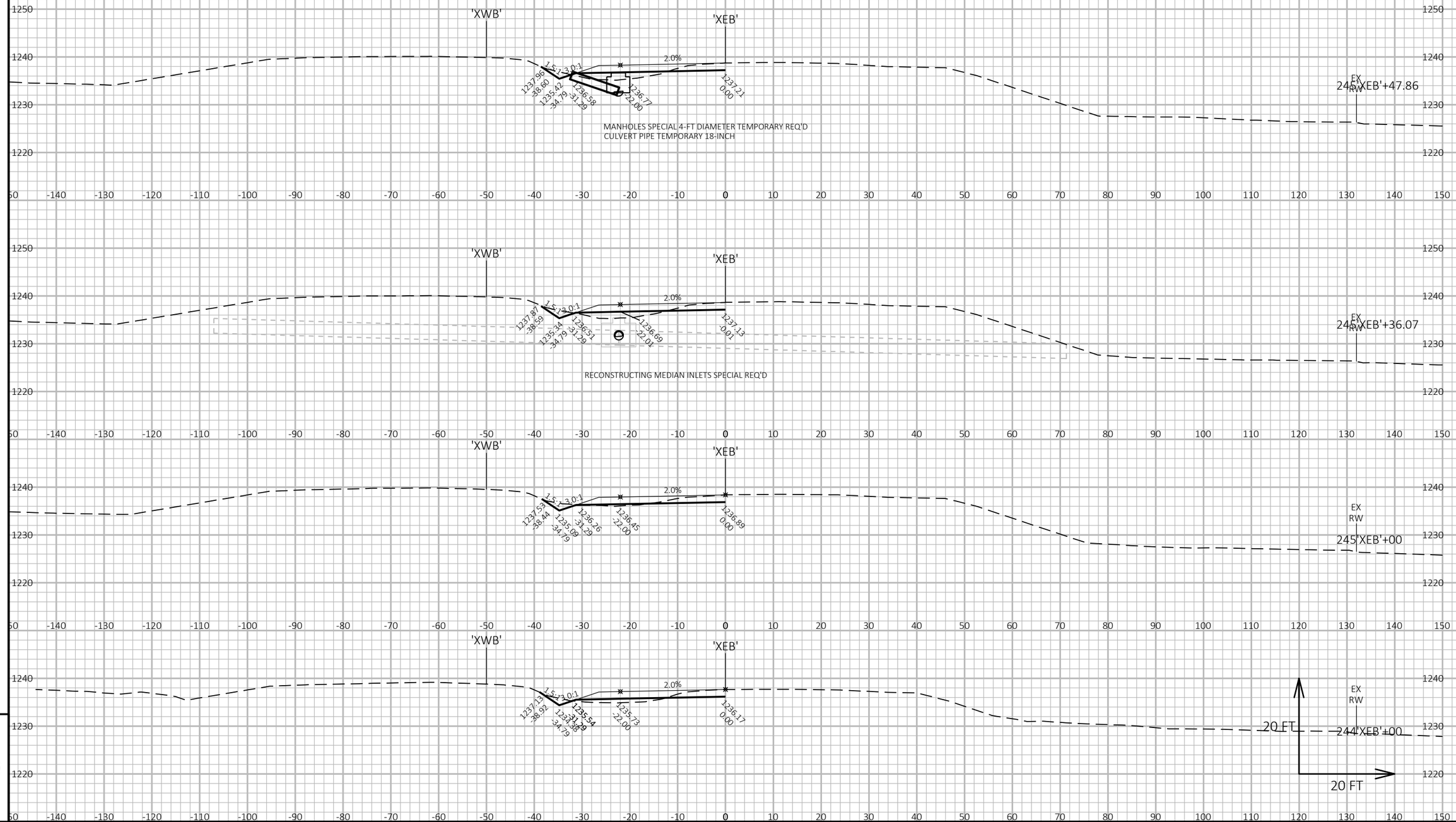
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 942	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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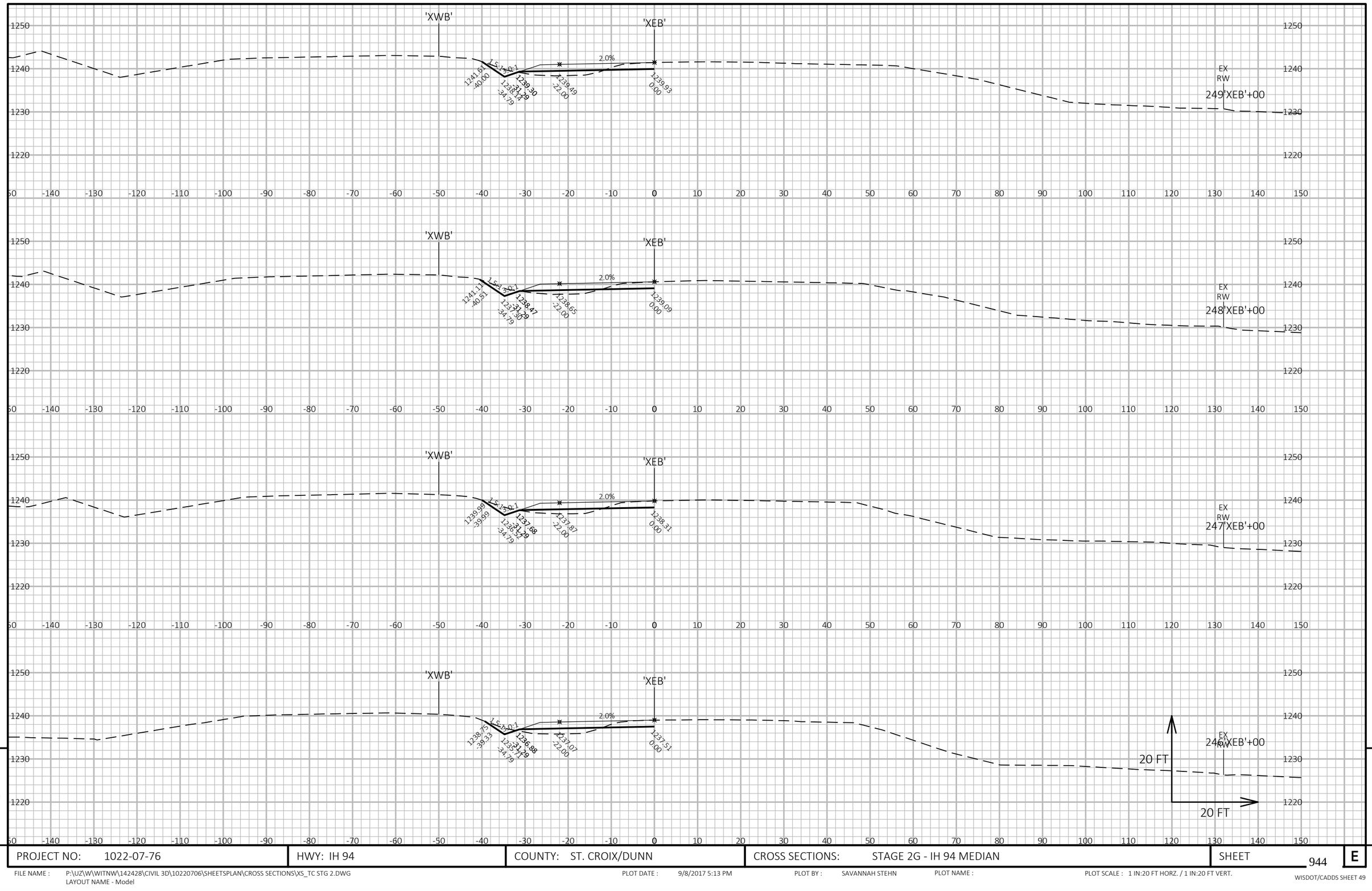
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 943	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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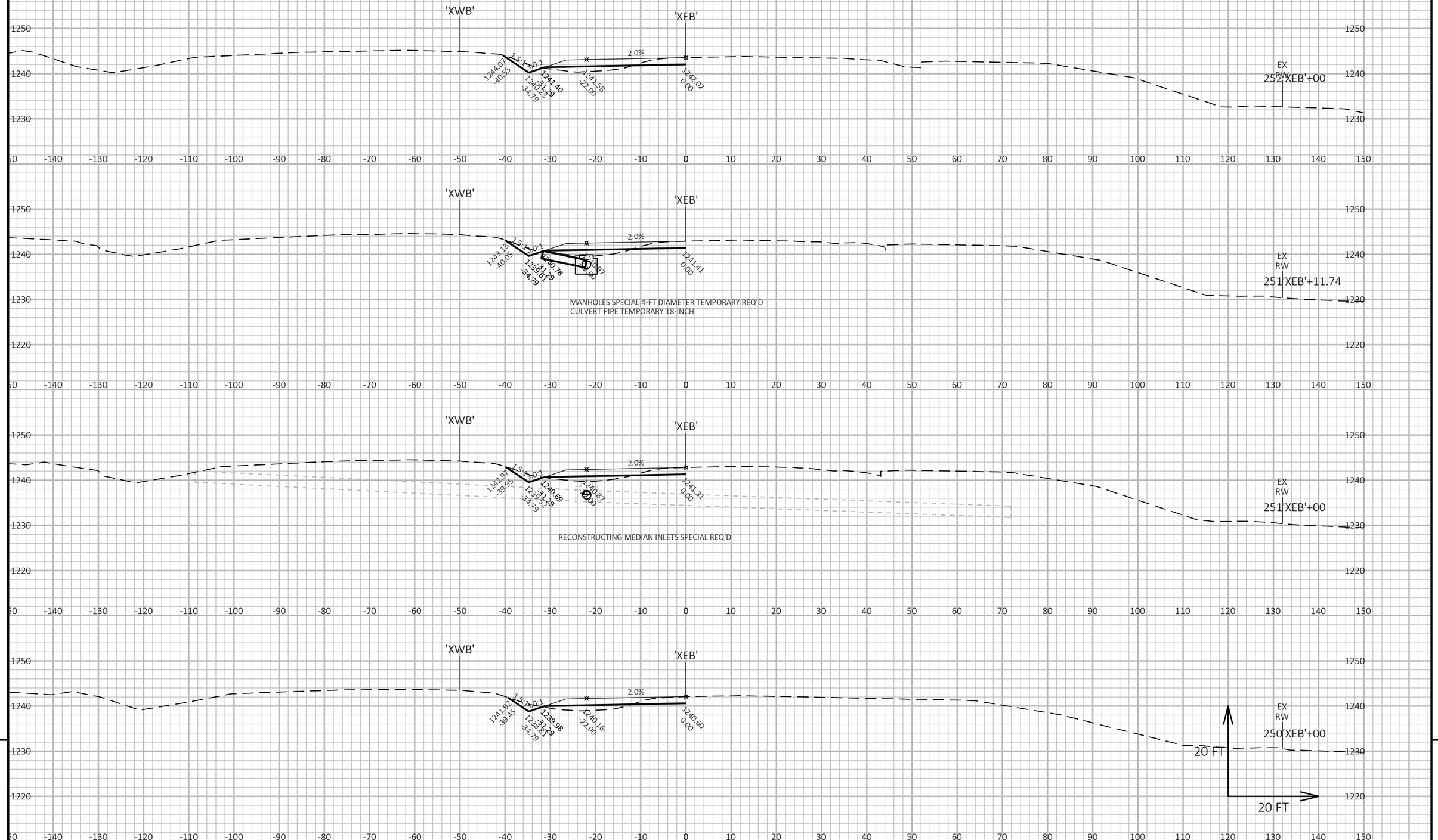
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 944	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 945	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

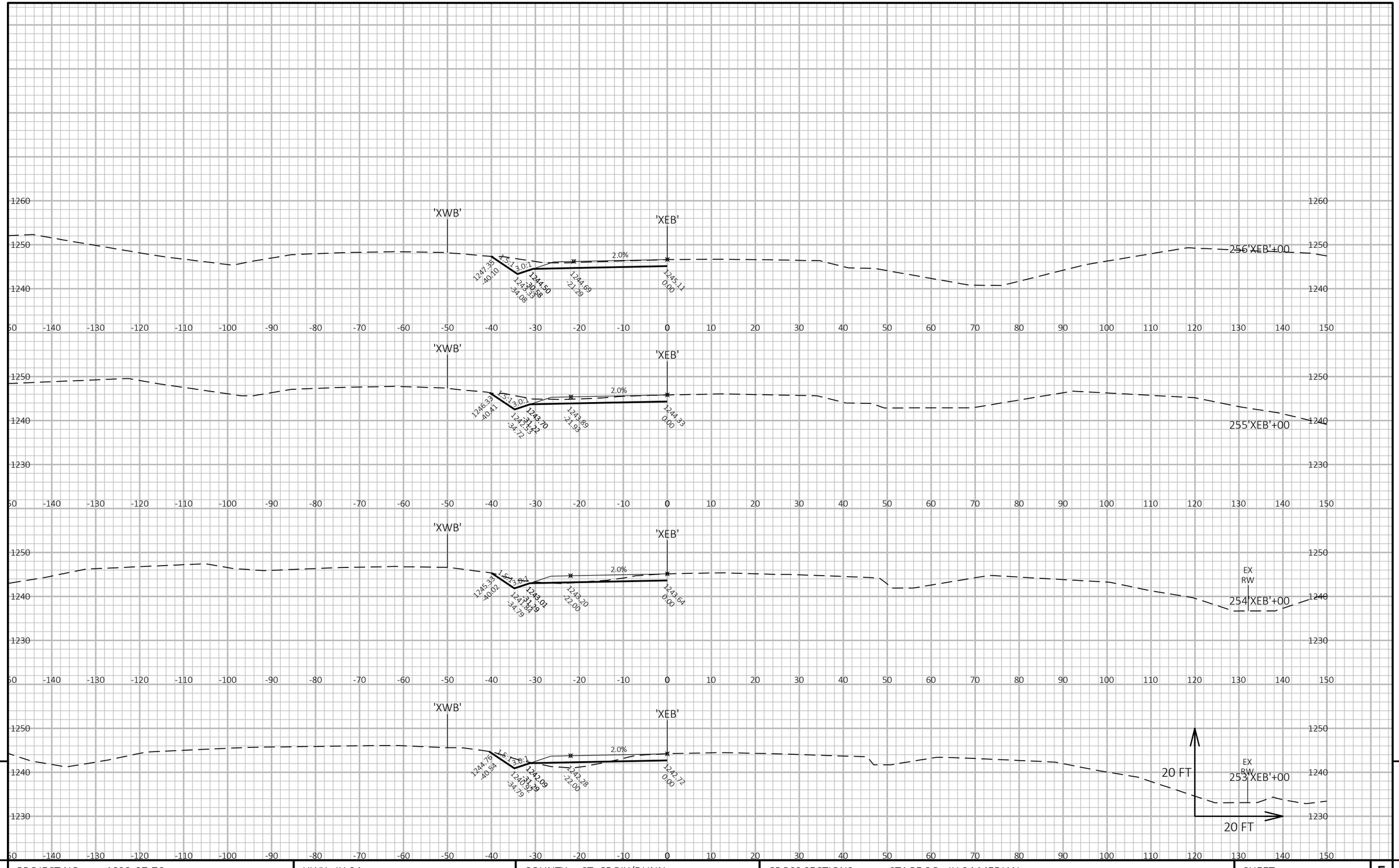
PLOT DATE : 9/8/2017 5:13 PM

PLOT BY : SAVANNAH STEHN

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

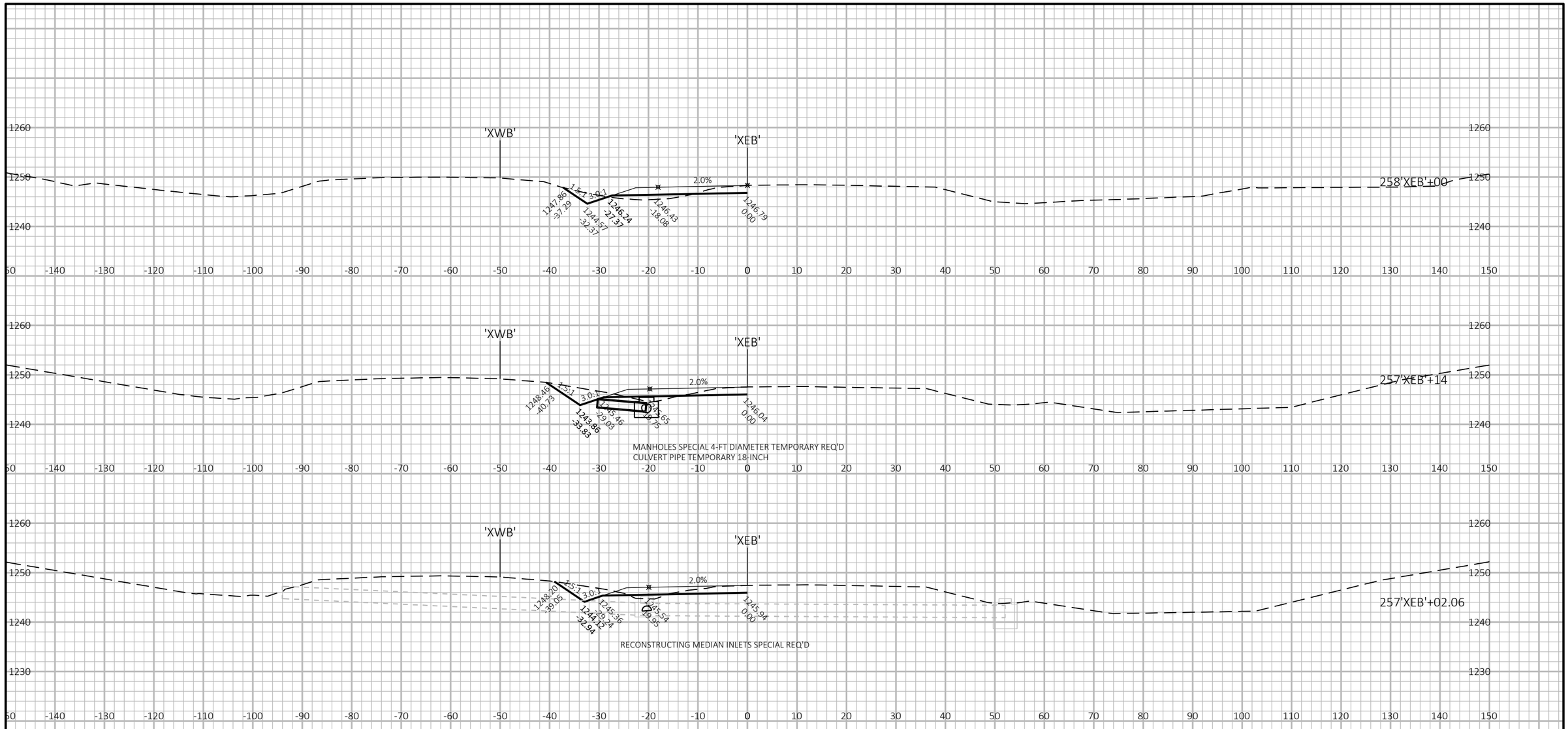


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 946	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

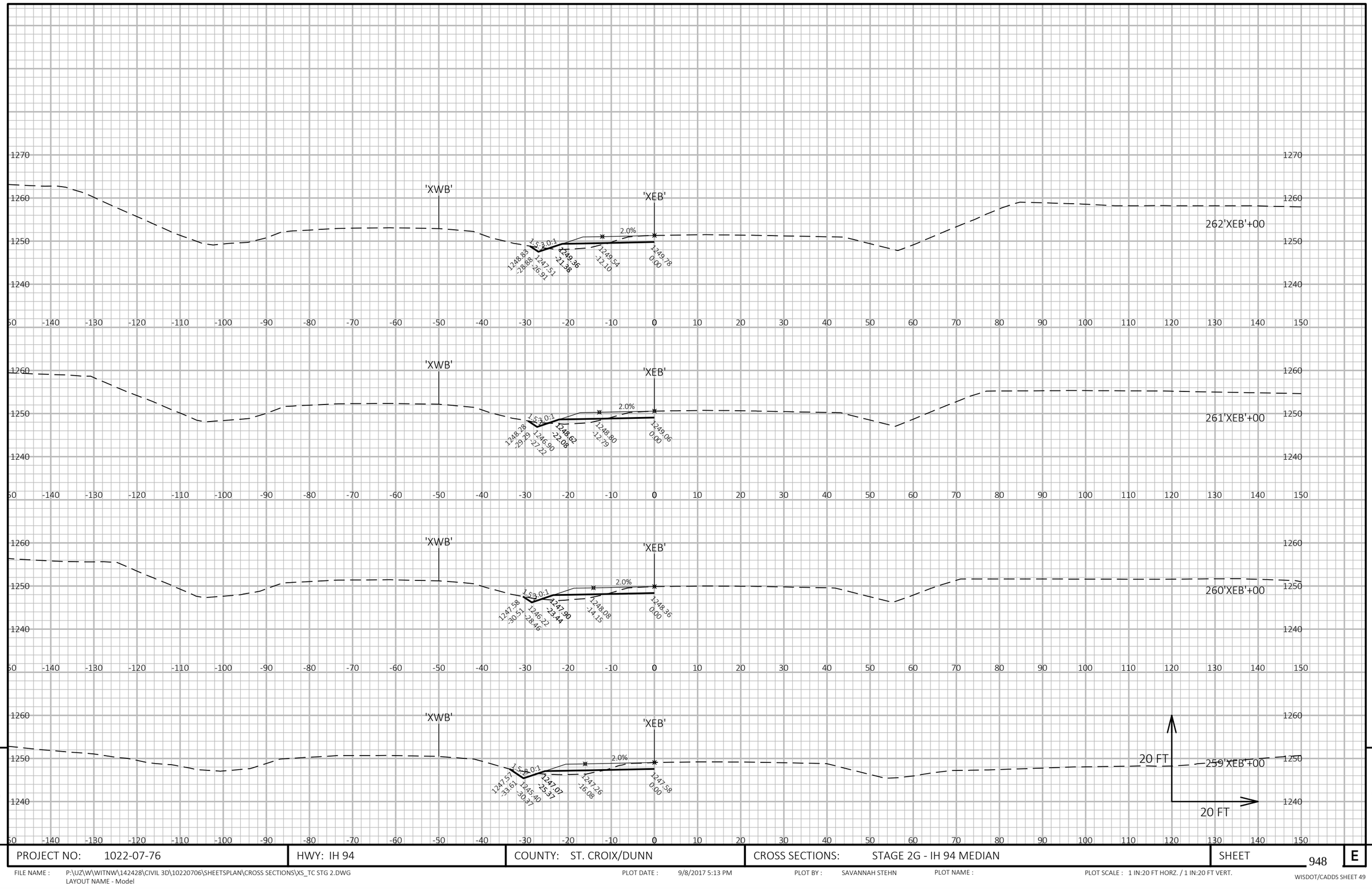
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 947	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



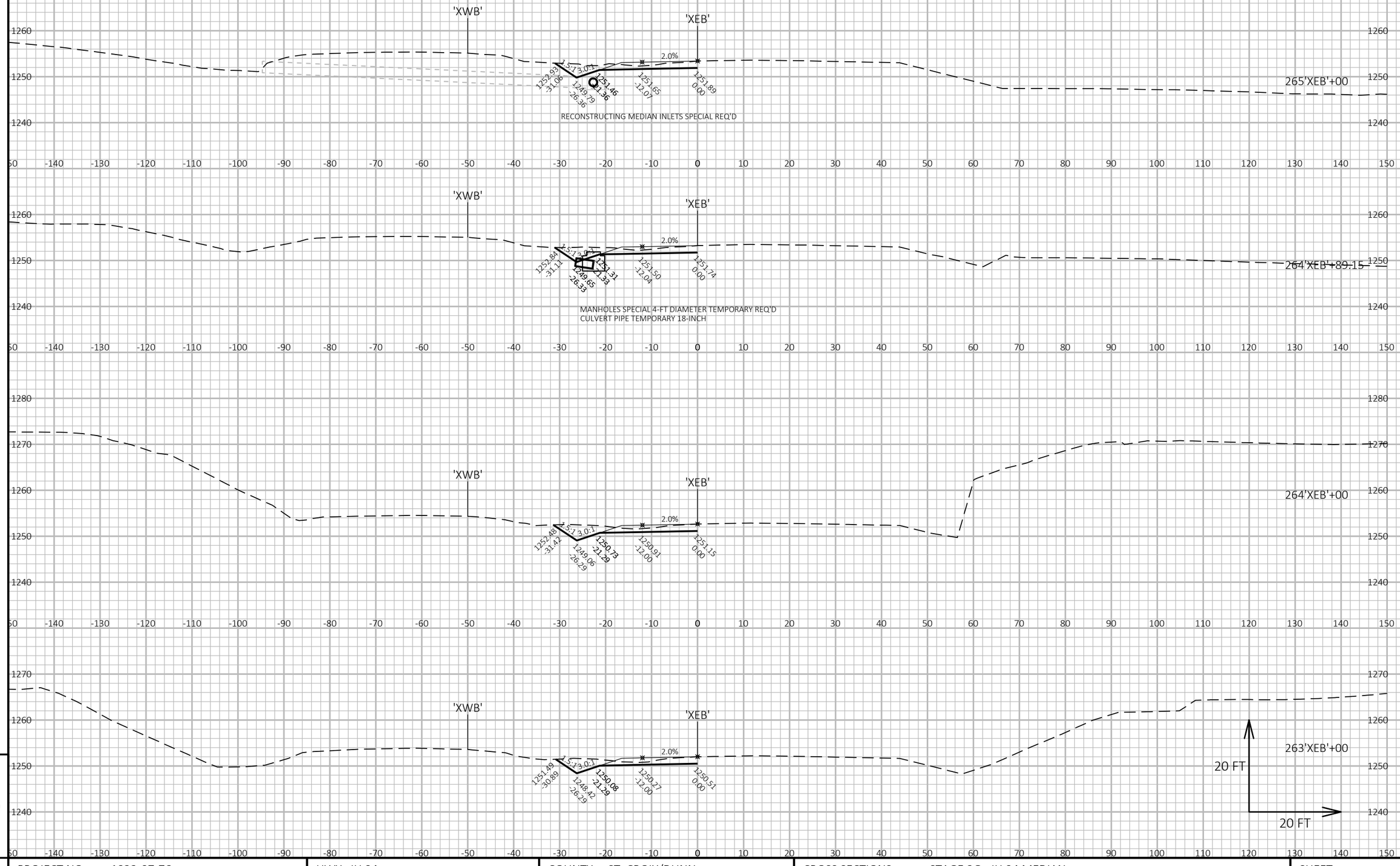
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 948	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



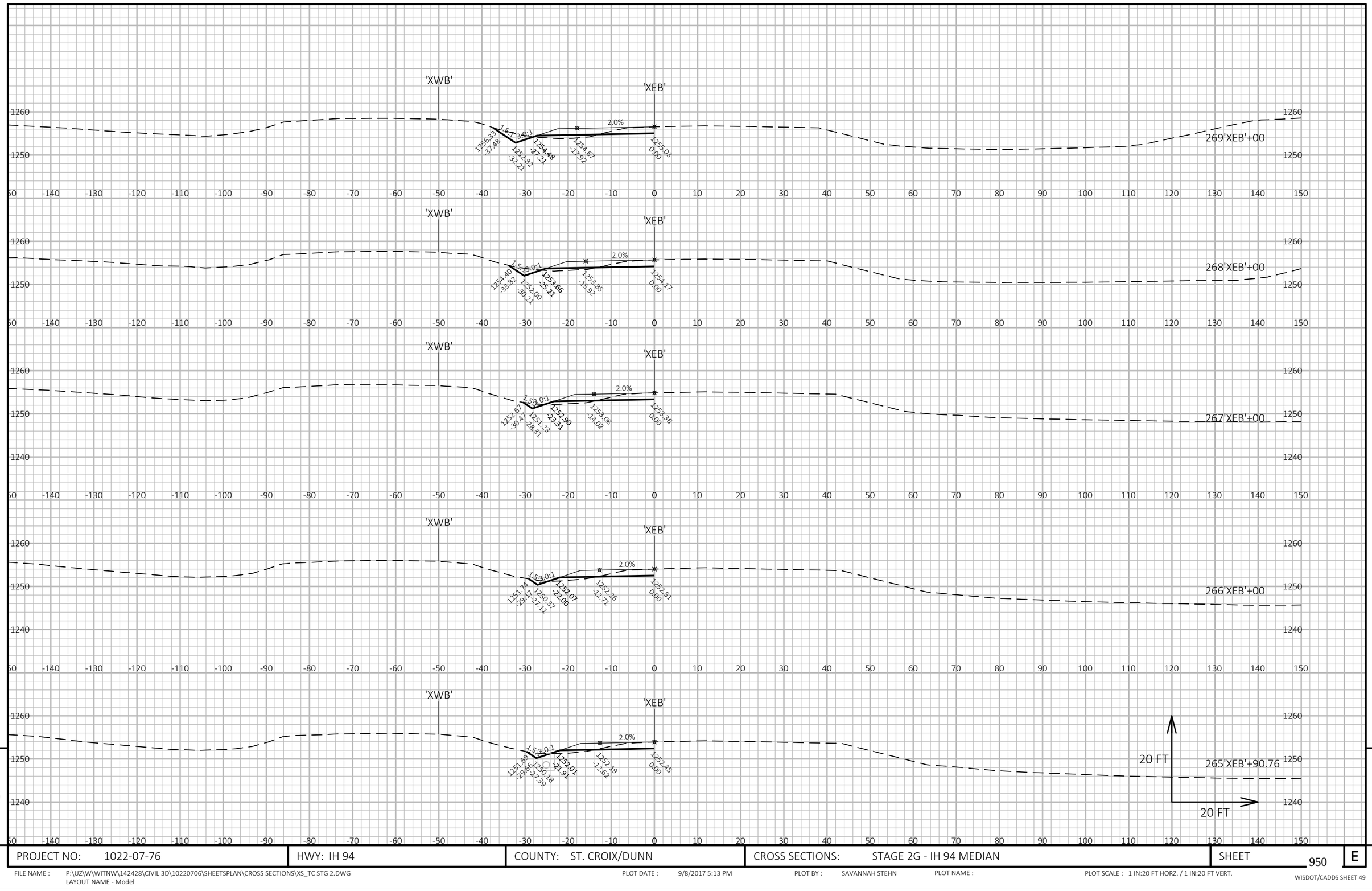
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 949	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

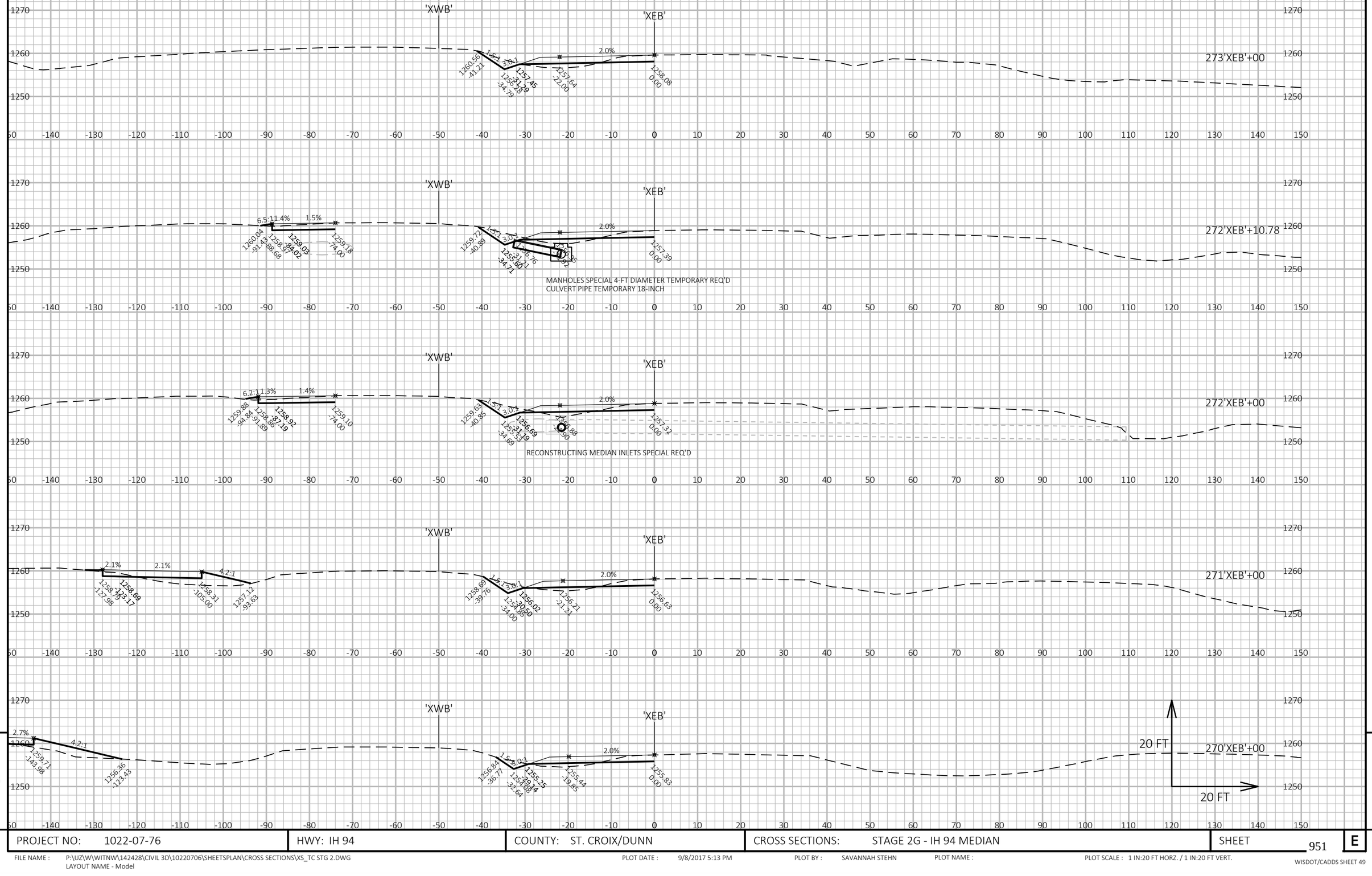


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 950 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 951 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

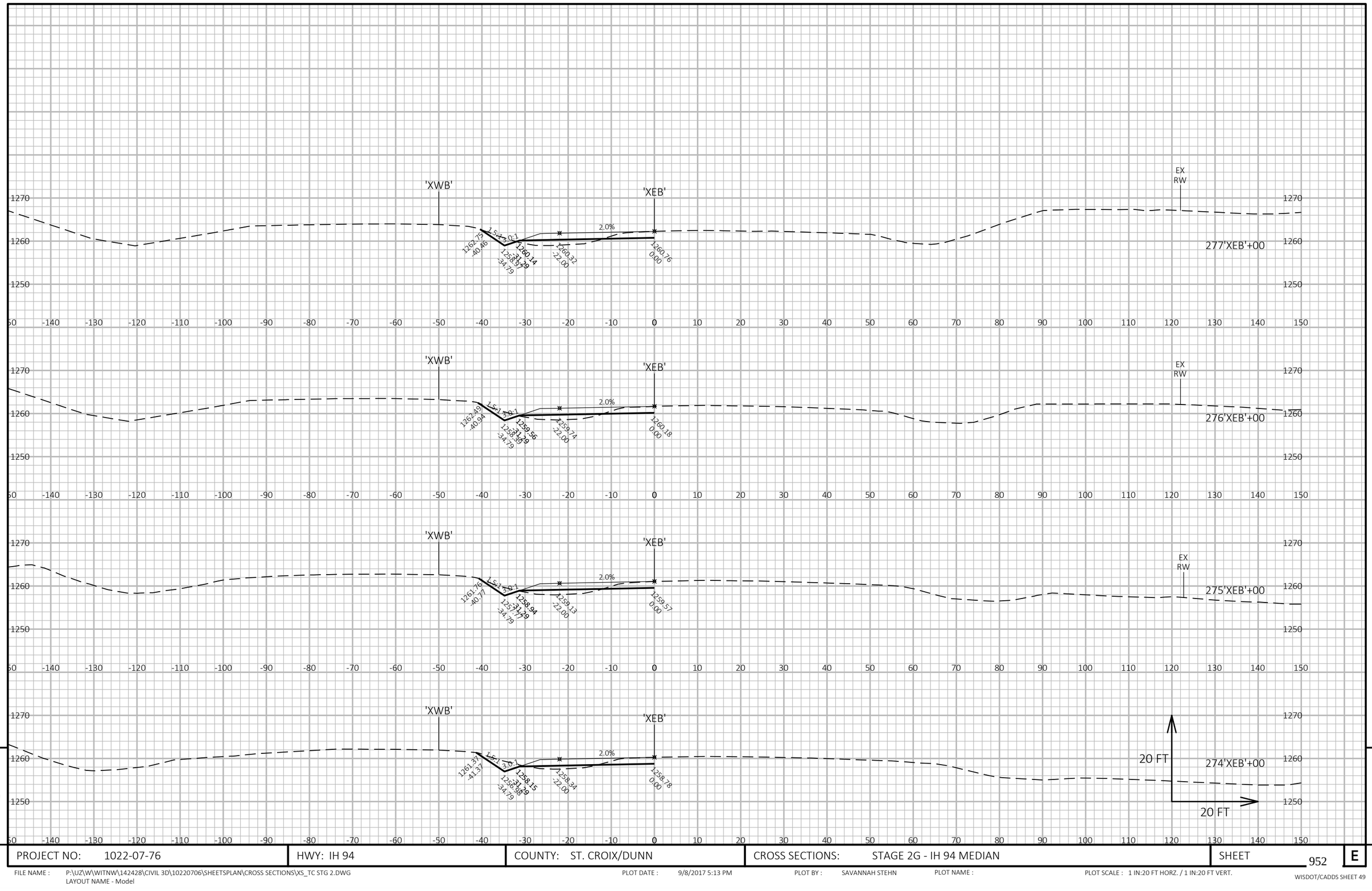
PLOT DATE : 9/8/2017 5:13 PM

PLOT BY : SAVANNAH STEHN

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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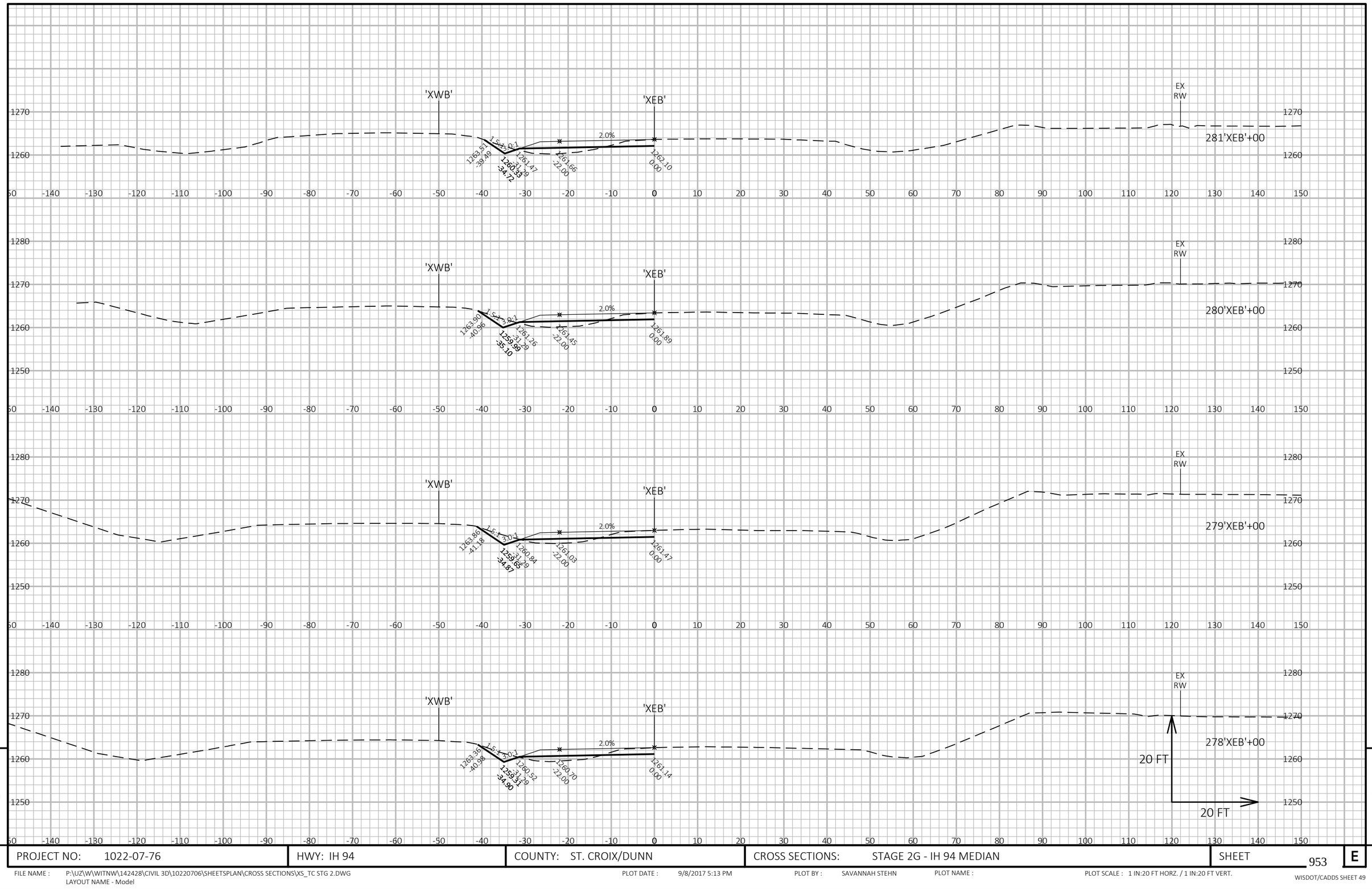
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 952	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



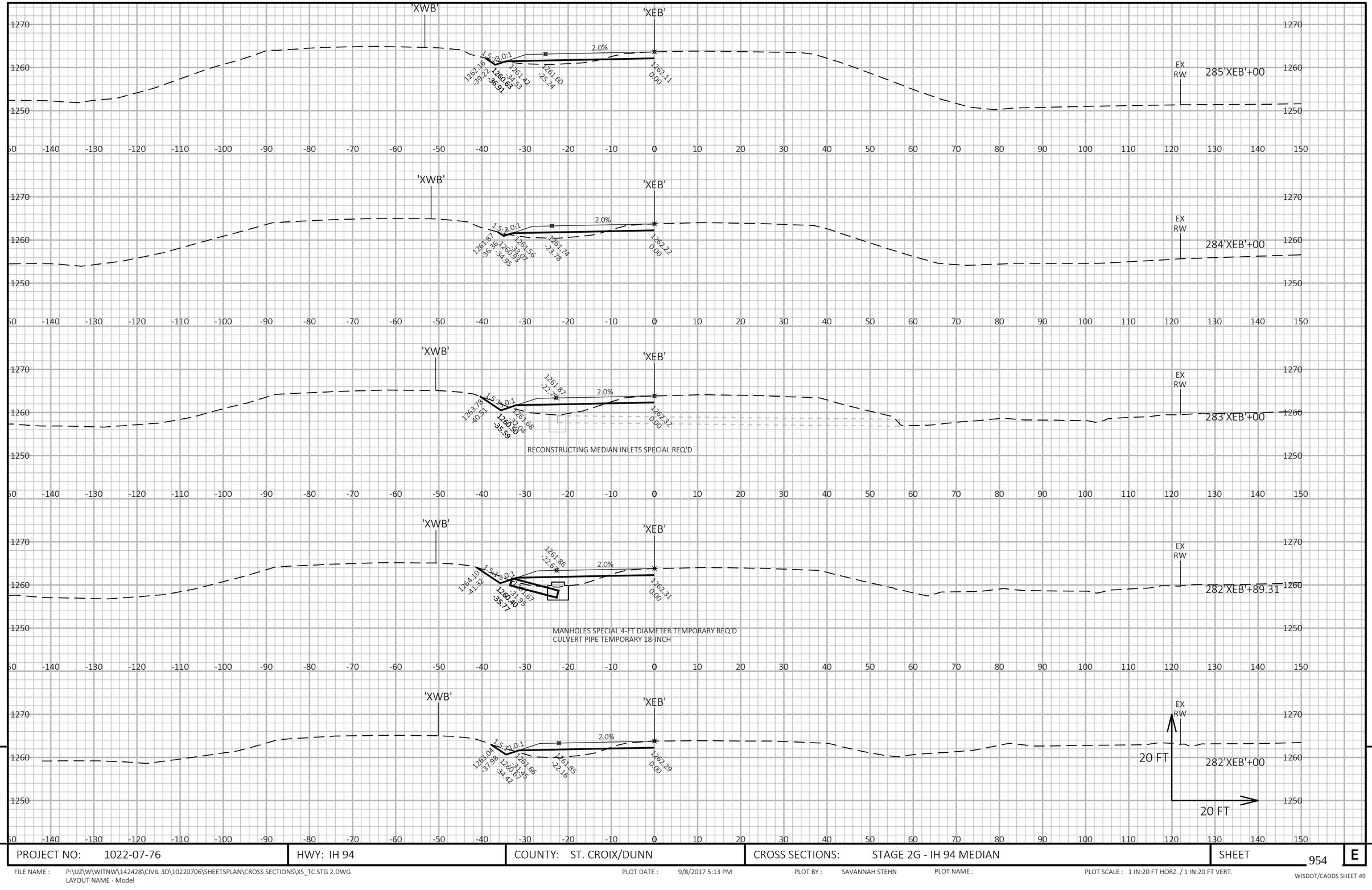
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 953	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

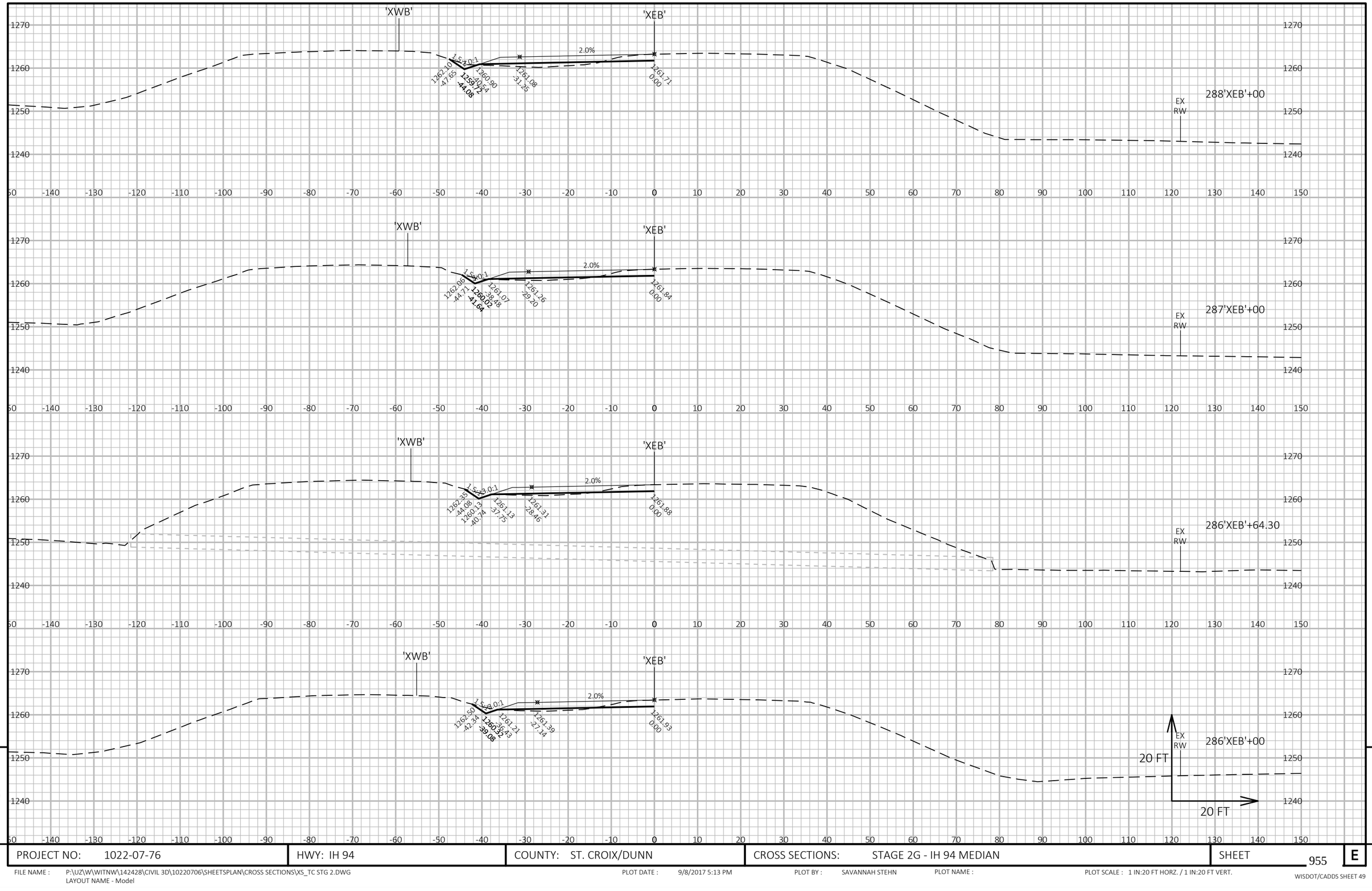


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 954	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 955	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

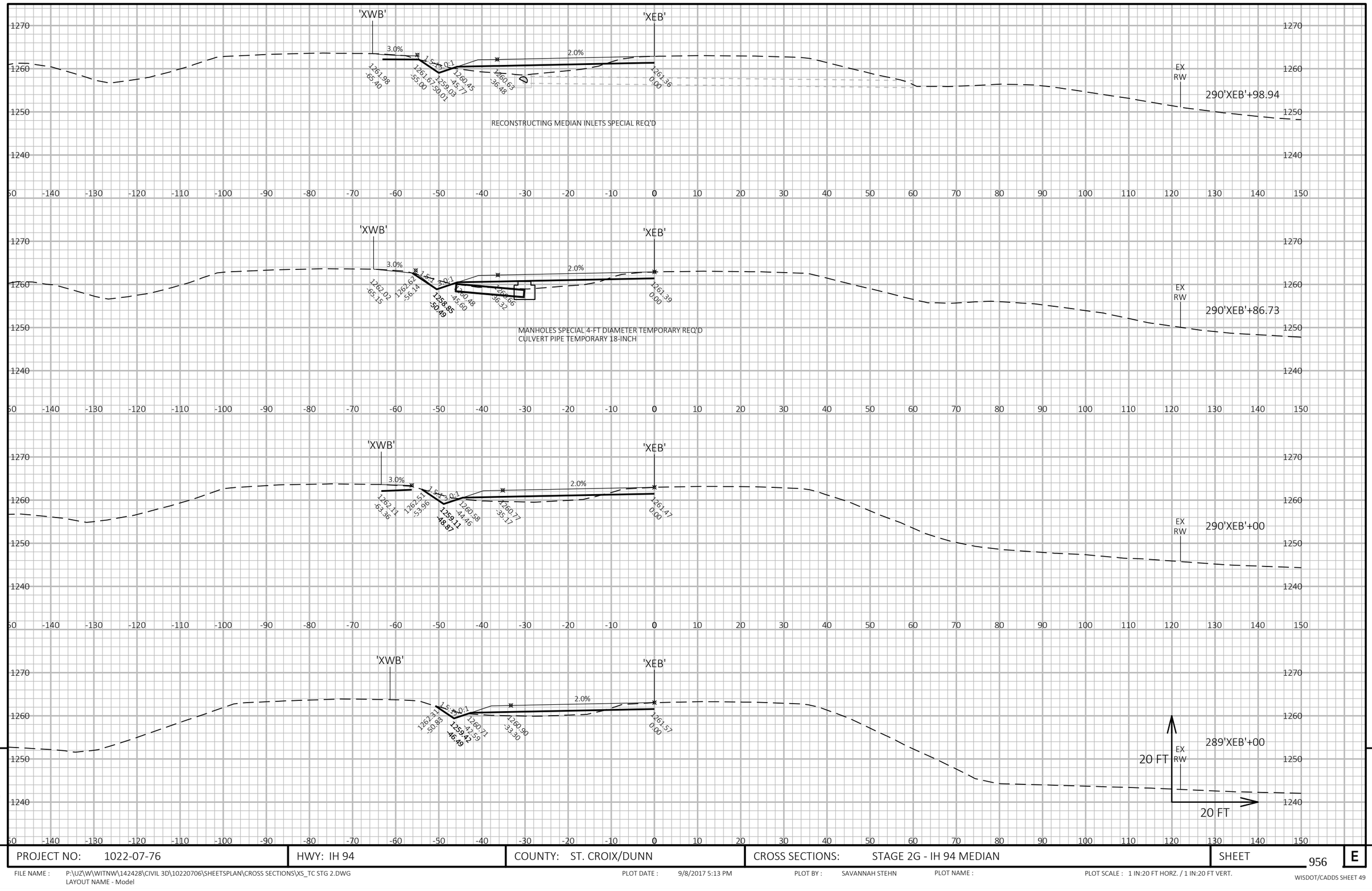
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PLOT BY : SAVANNAH STEHN

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

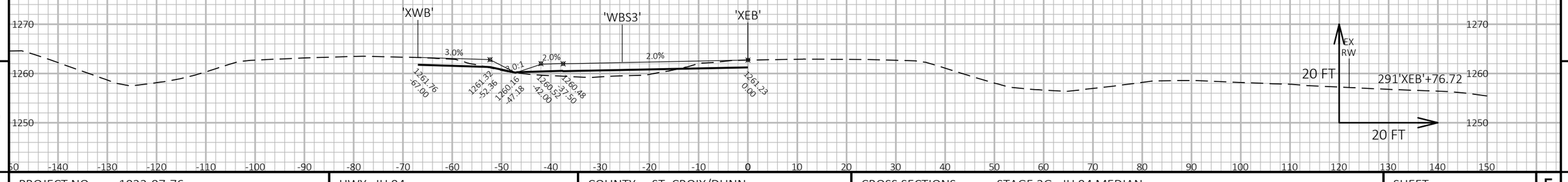


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 956	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model
PLOT DATE : 9/8/2017 5:13 PM
PLOT BY : SAVANNAH STEHN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



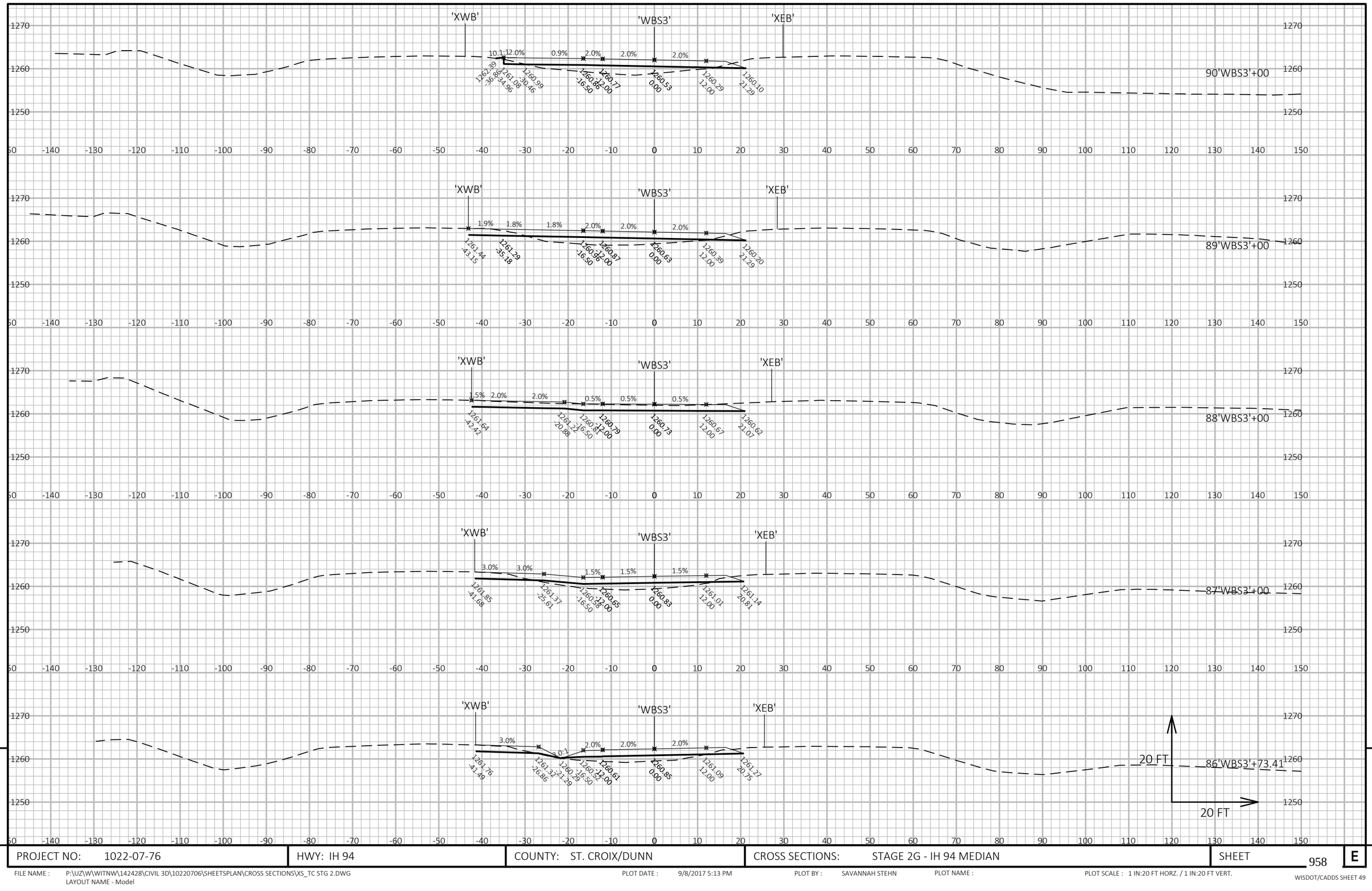
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 957	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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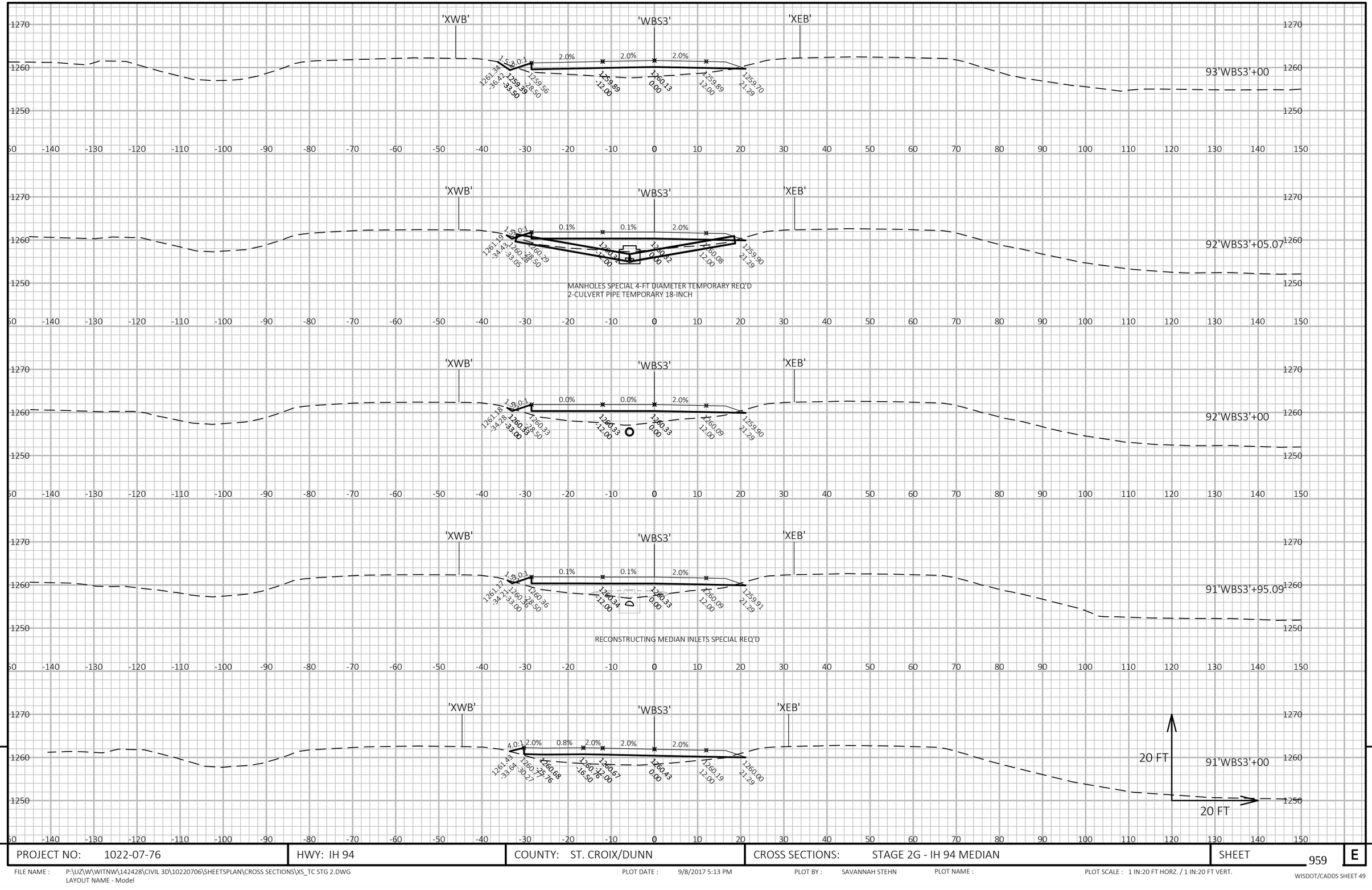
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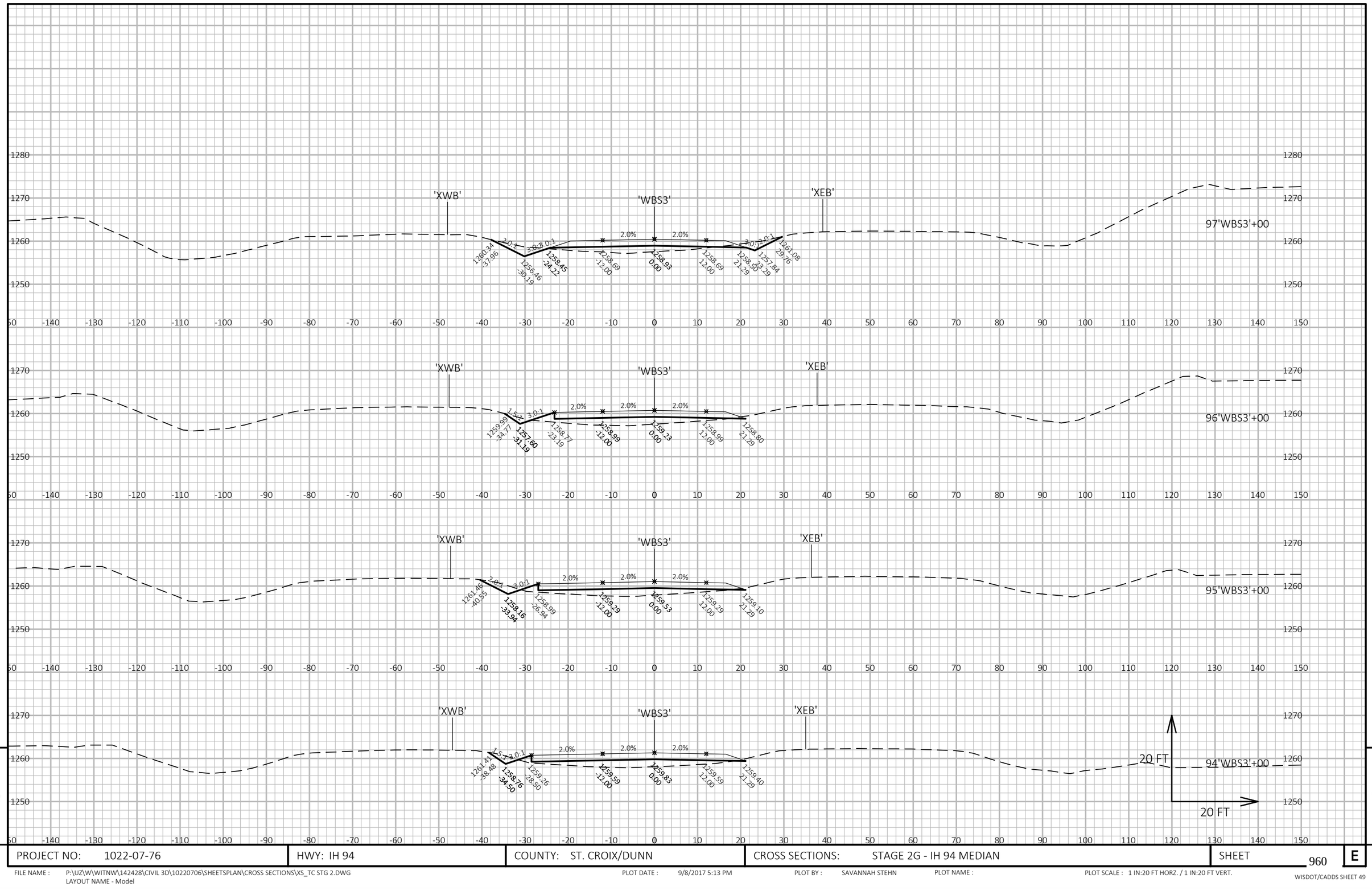
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WISDOT/CADDS SHEET 49



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 959	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model
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PLOT BY : SAVANNAH STEHN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



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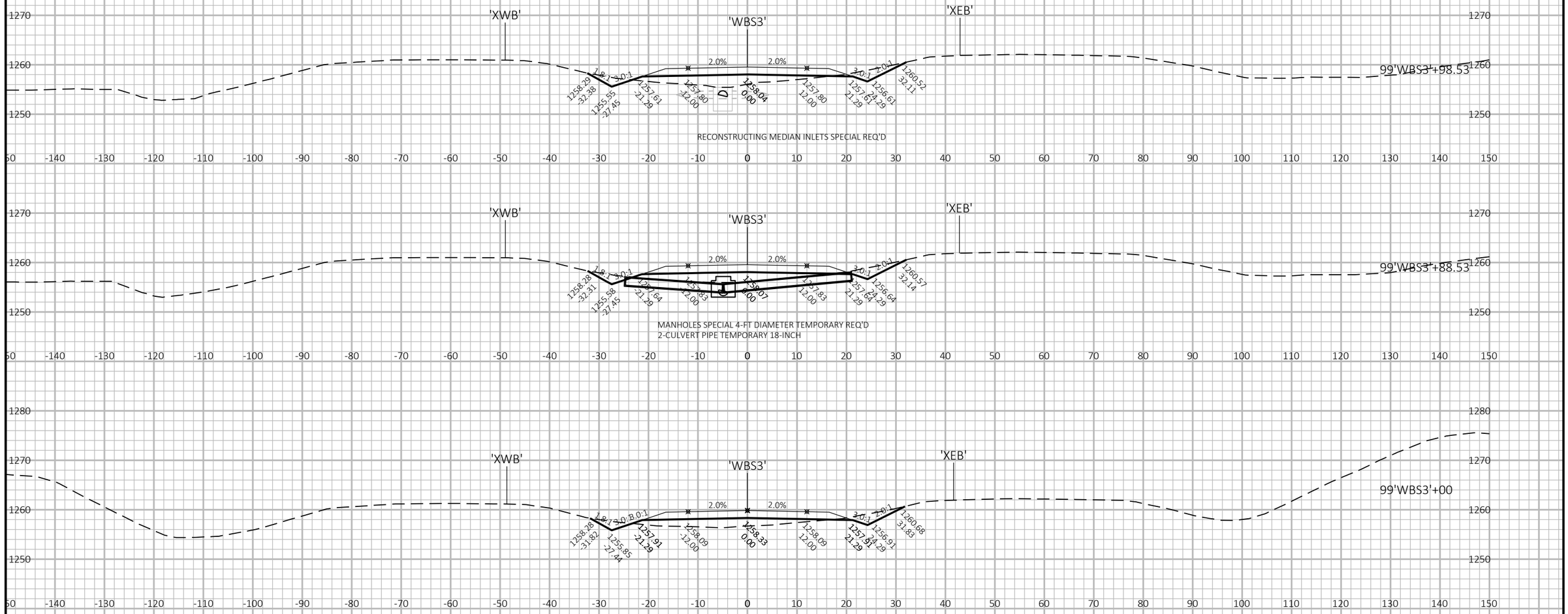
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LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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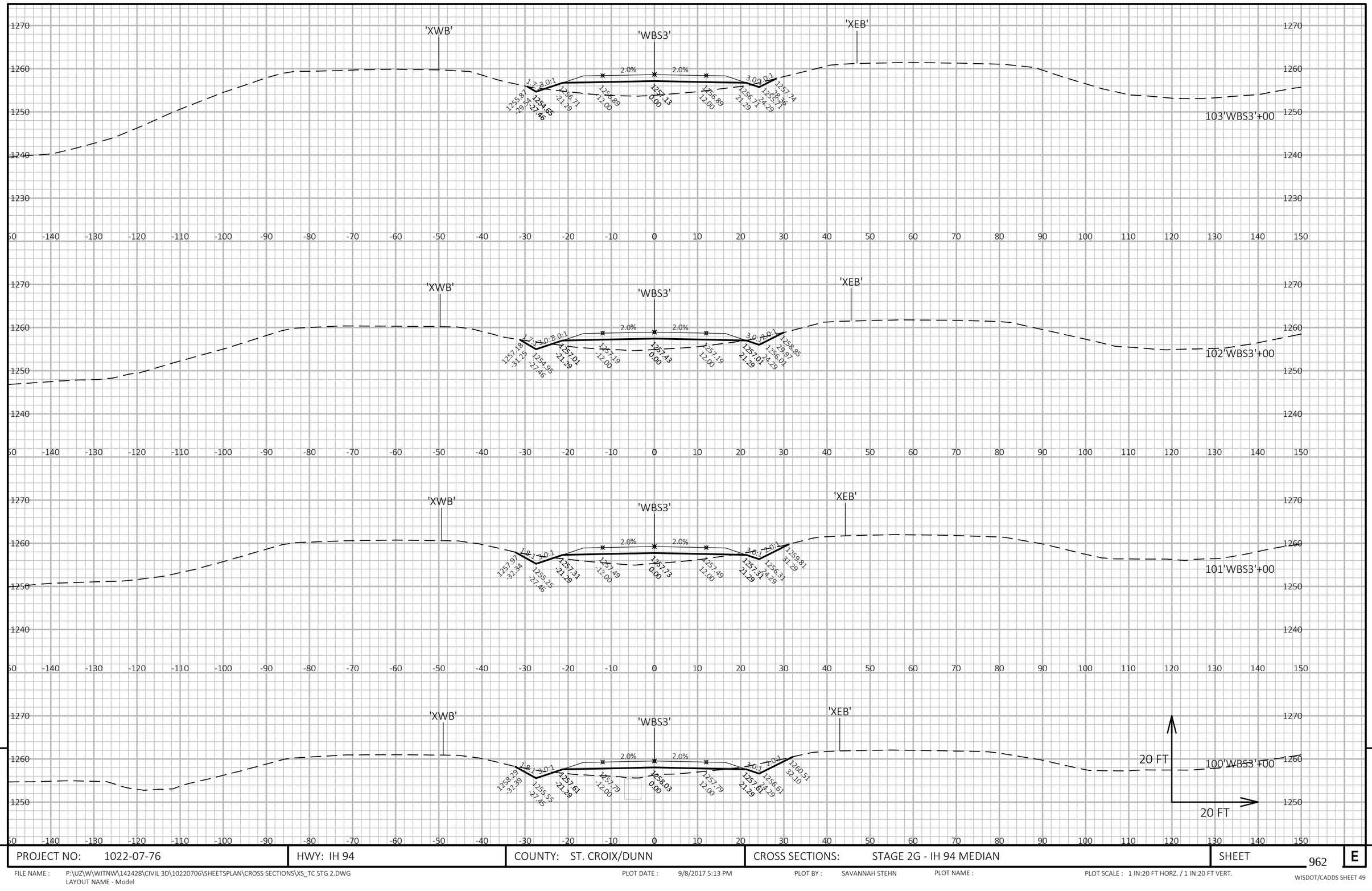
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FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 962	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
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WISDOT/CADDS SHEET 49

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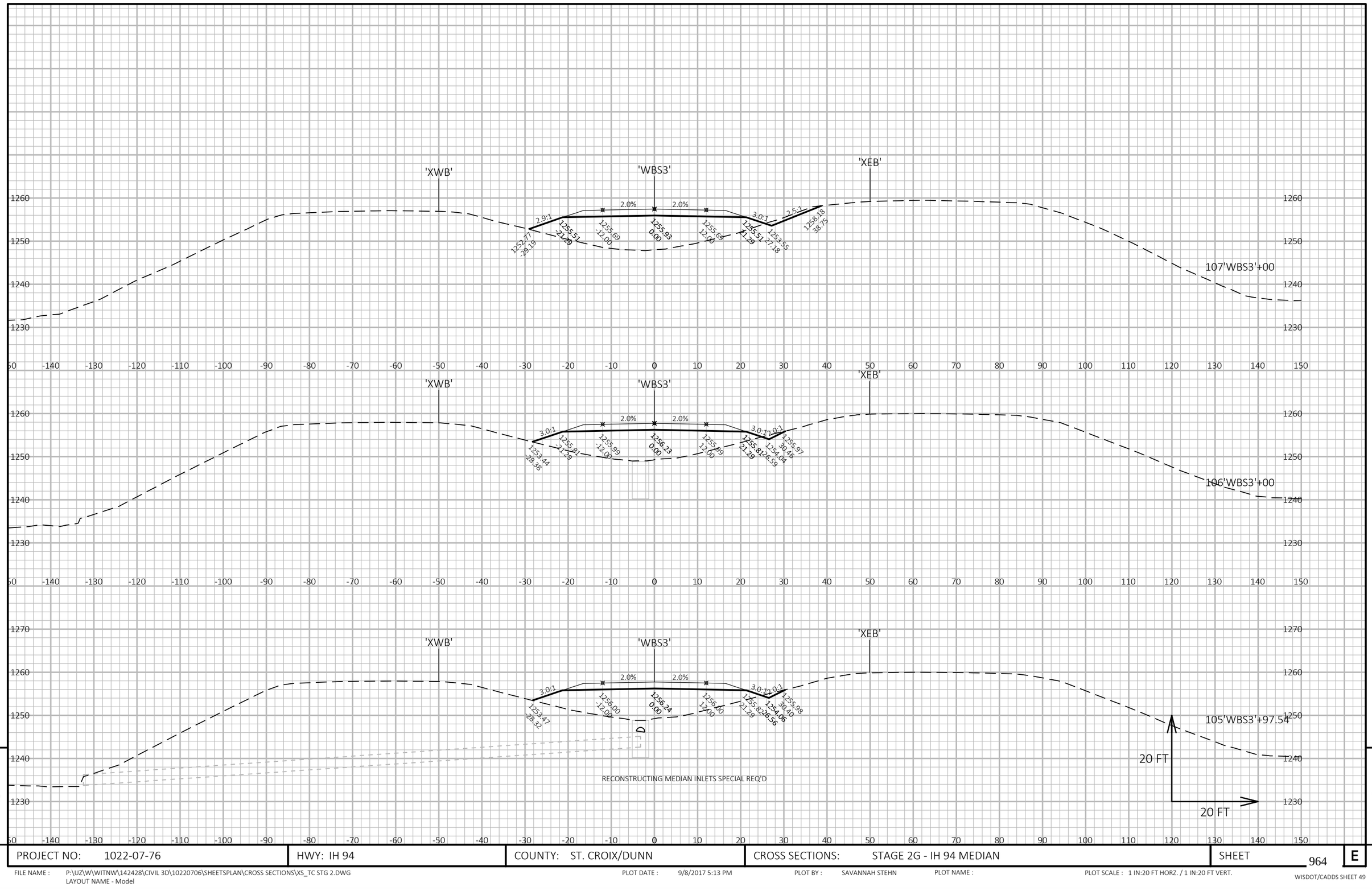
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LAYOUT NAME - Model

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WISDOT/CADDS SHEET 49



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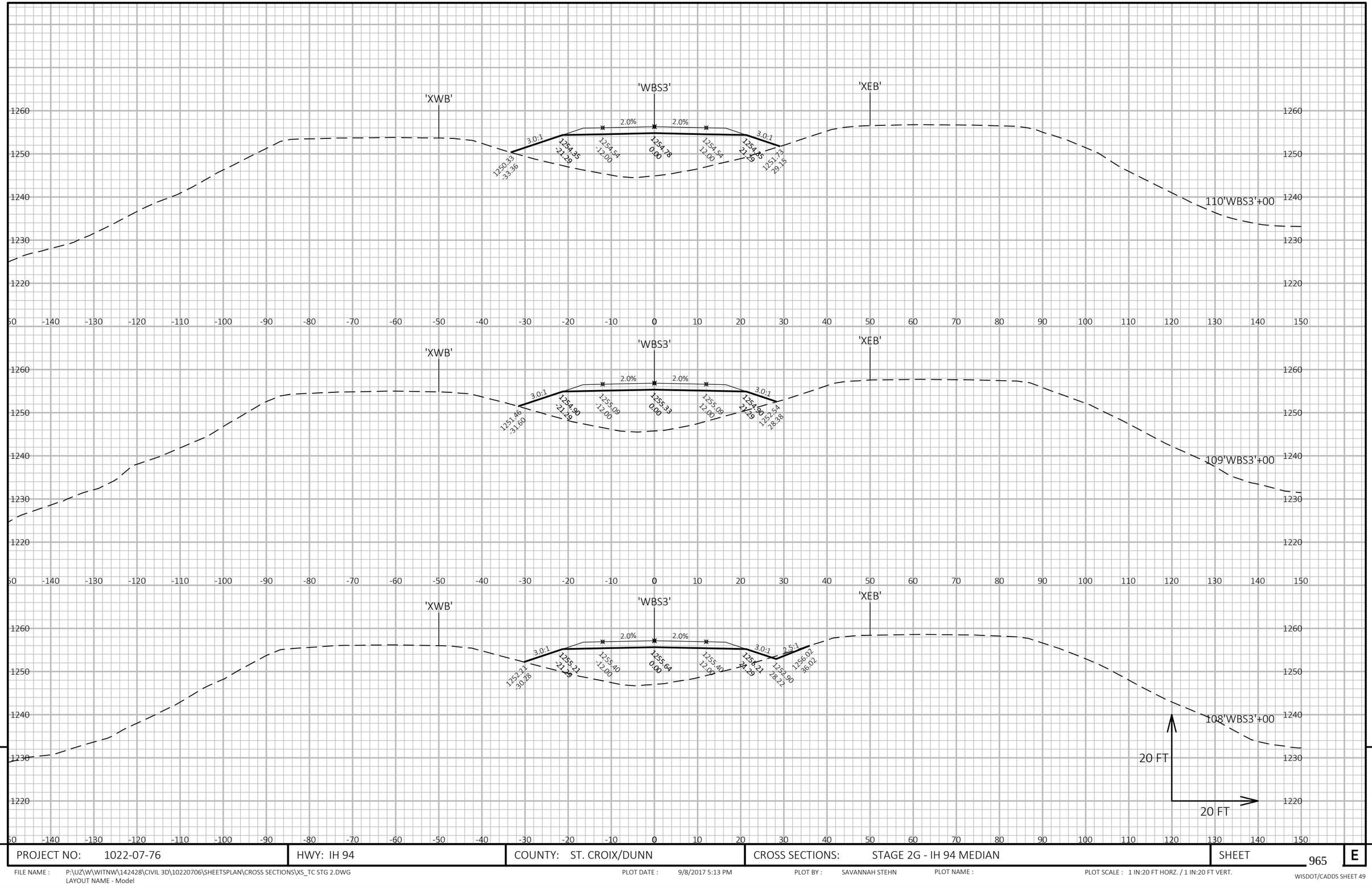
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 964	E

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LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

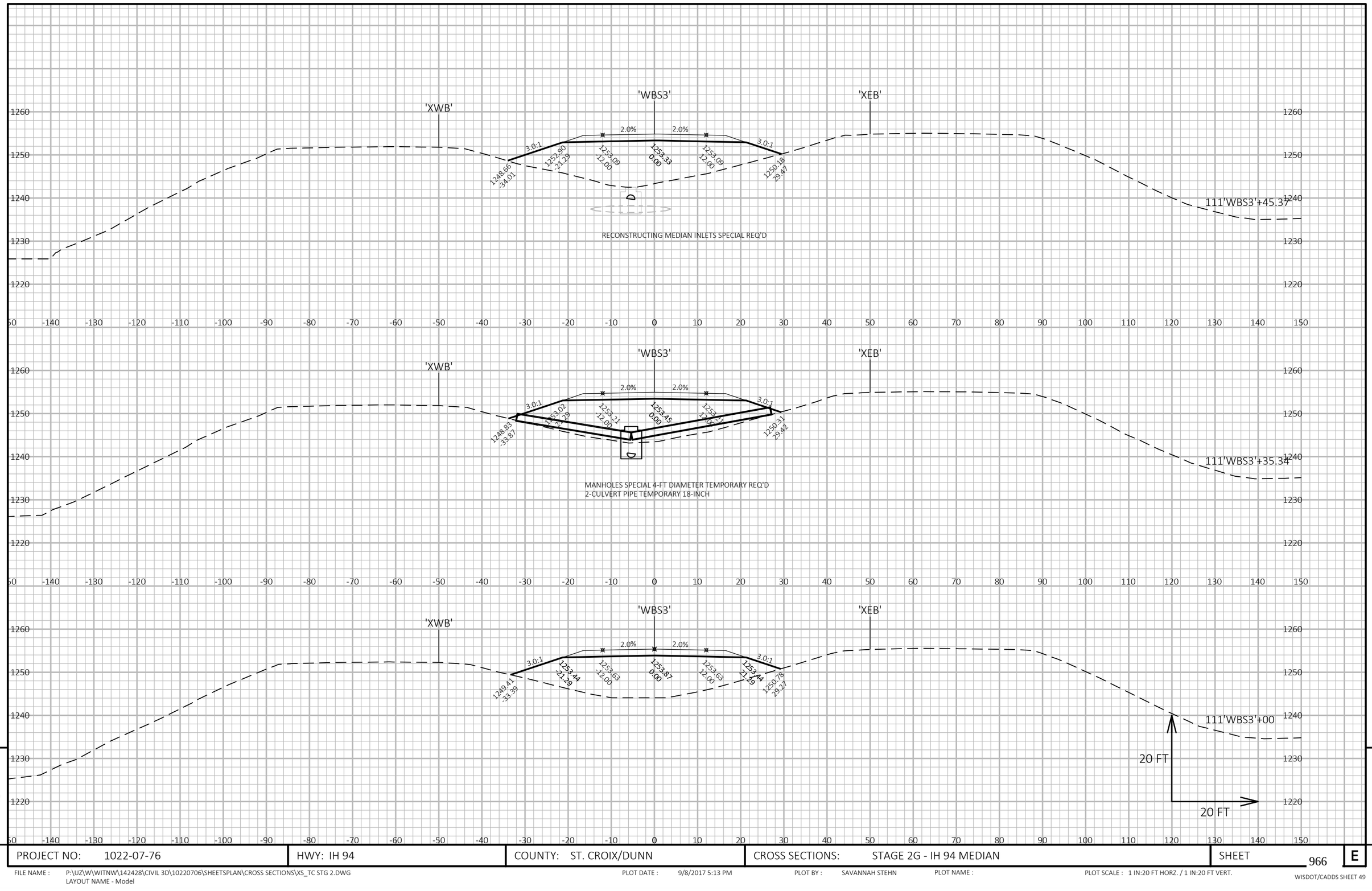


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 965	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model
PLOT DATE : 9/8/2017 5:13 PM
PLOT BY : SAVANNAH STEHN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



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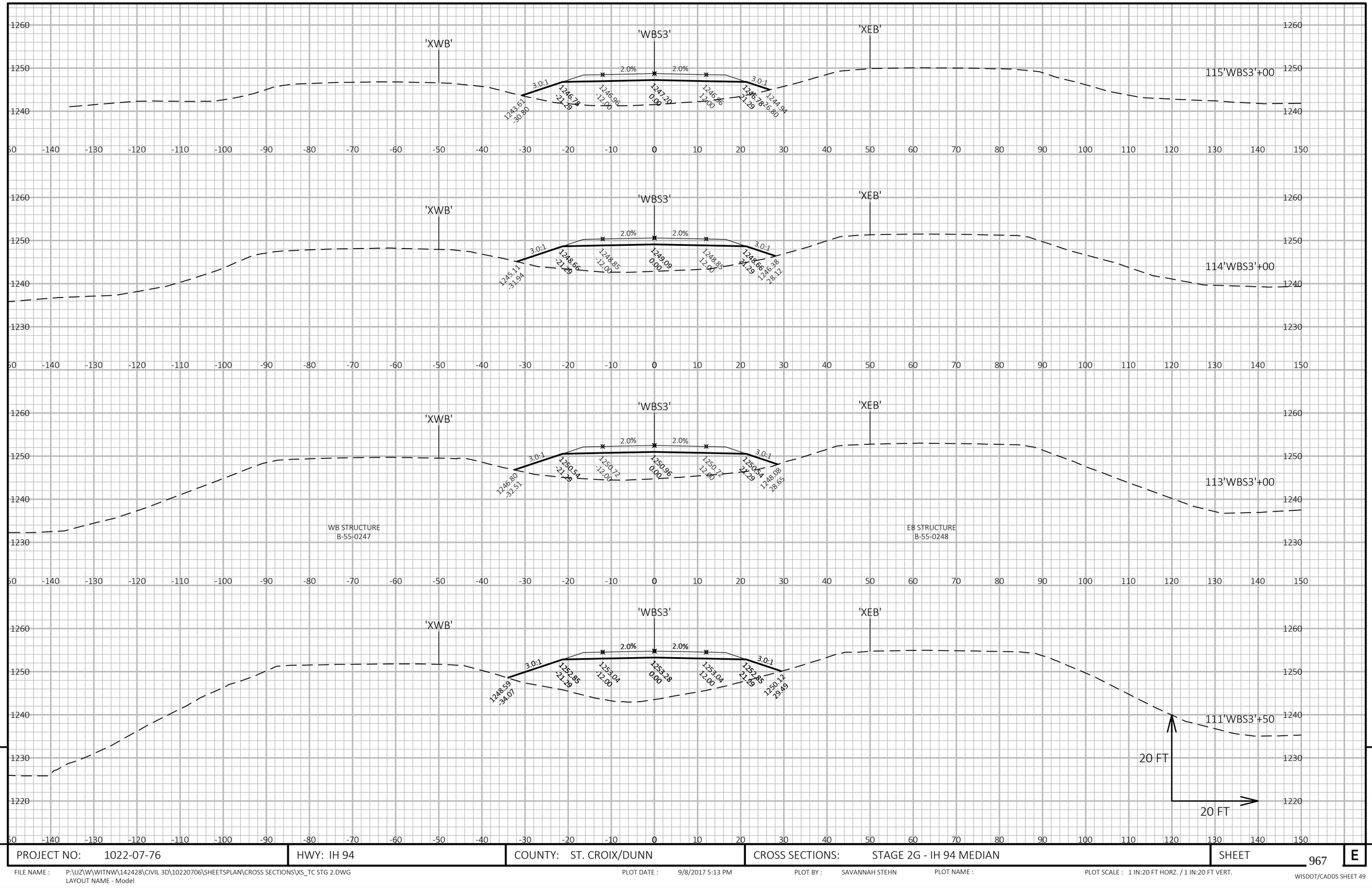
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 966	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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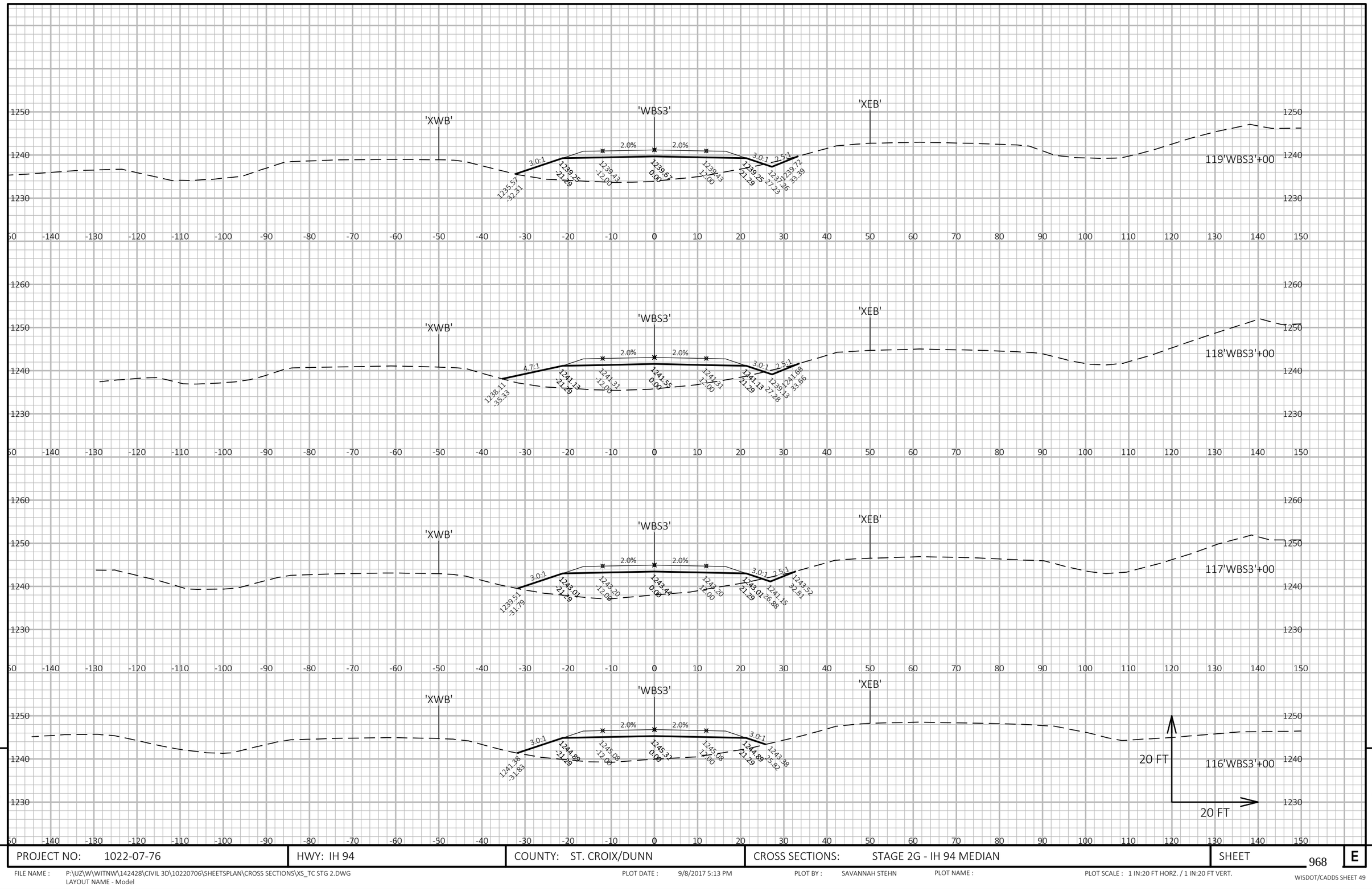
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 967	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

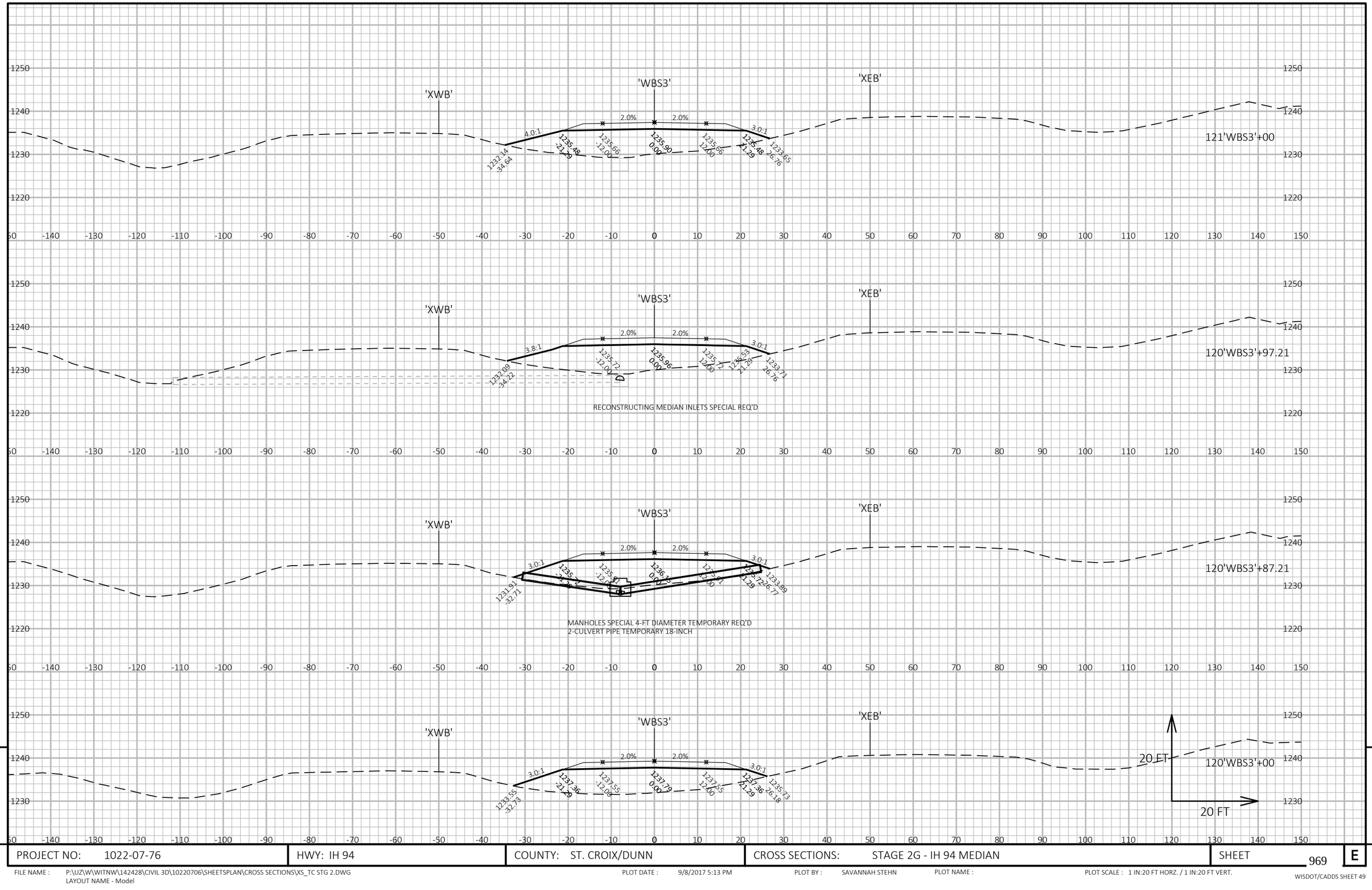


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 968	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

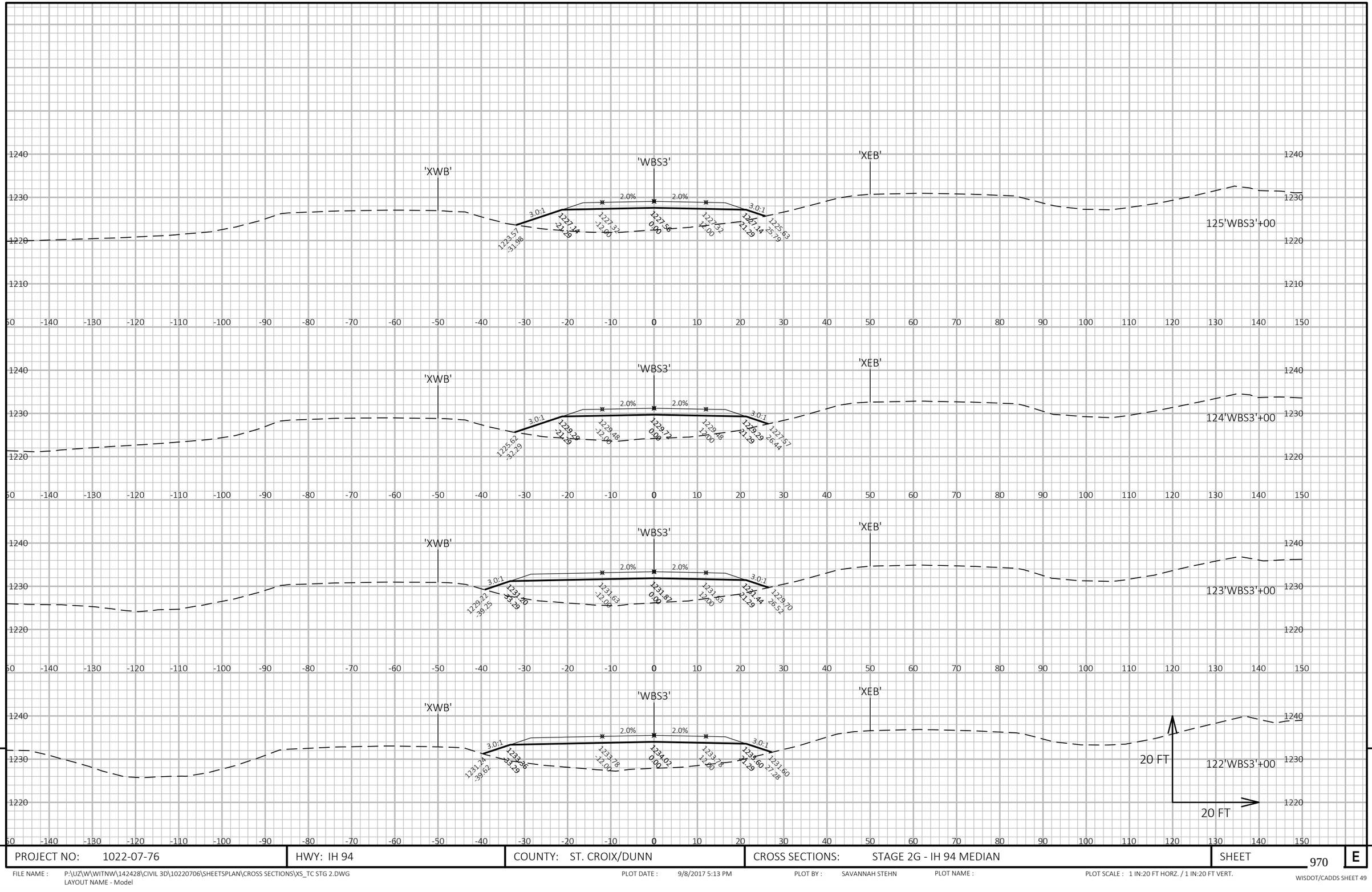


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 969	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model
PLOT DATE : 9/8/2017 5:13 PM
PLOT BY : SAVANNAH STEHN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



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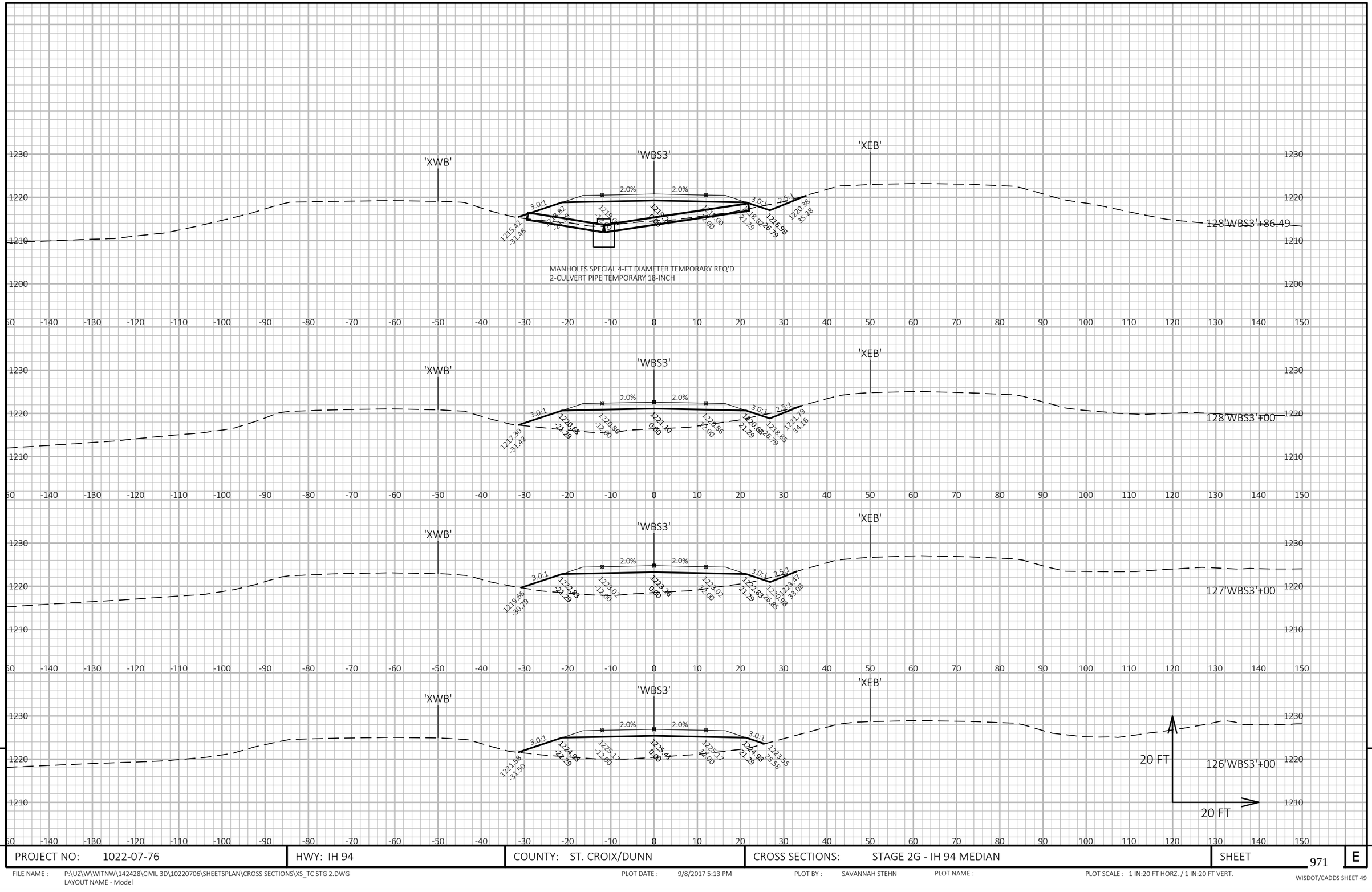
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 970	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

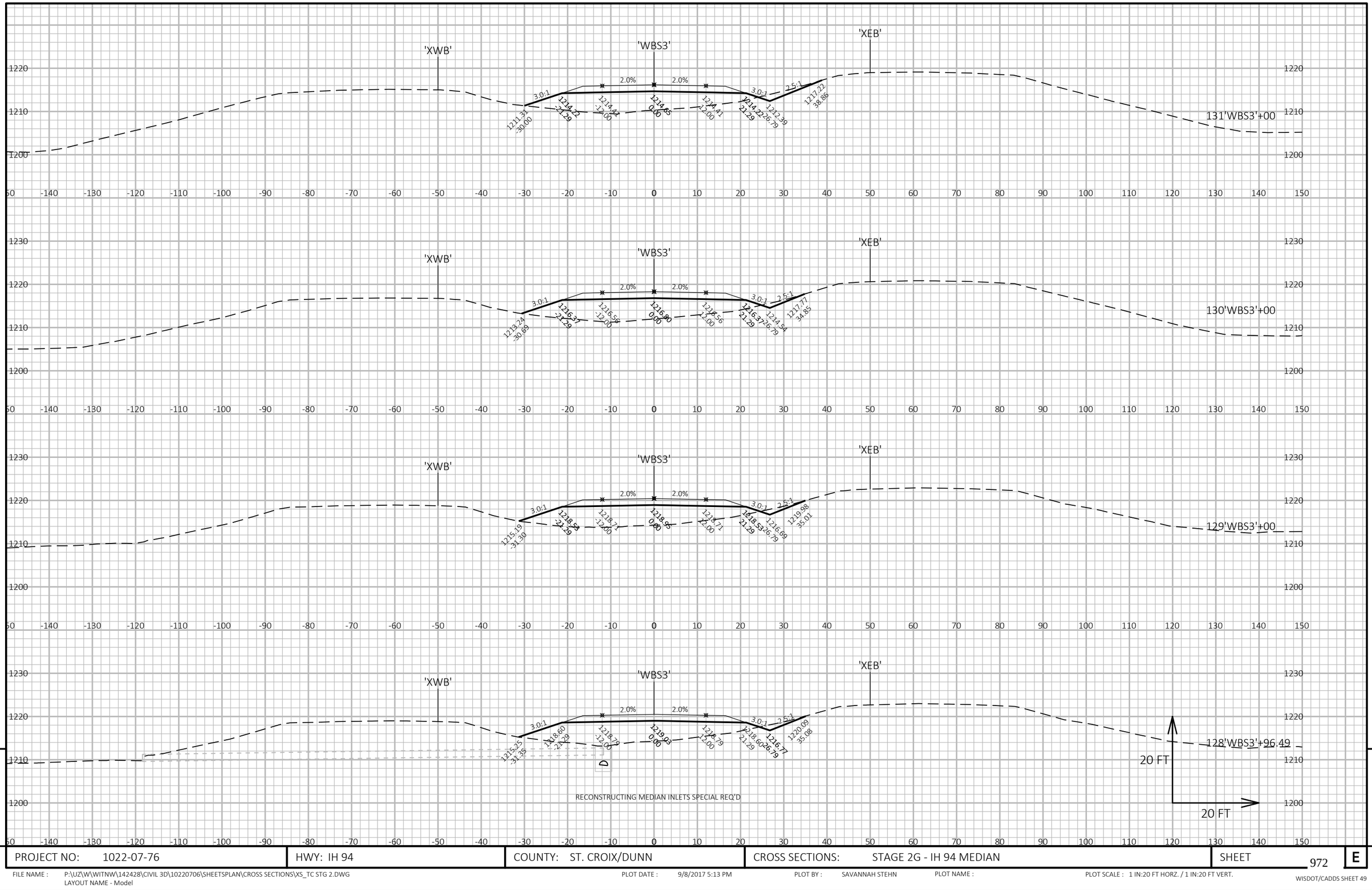


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 971	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model
PLOT DATE : 9/8/2017 5:13 PM
PLOT BY : SAVANNAH STEHN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



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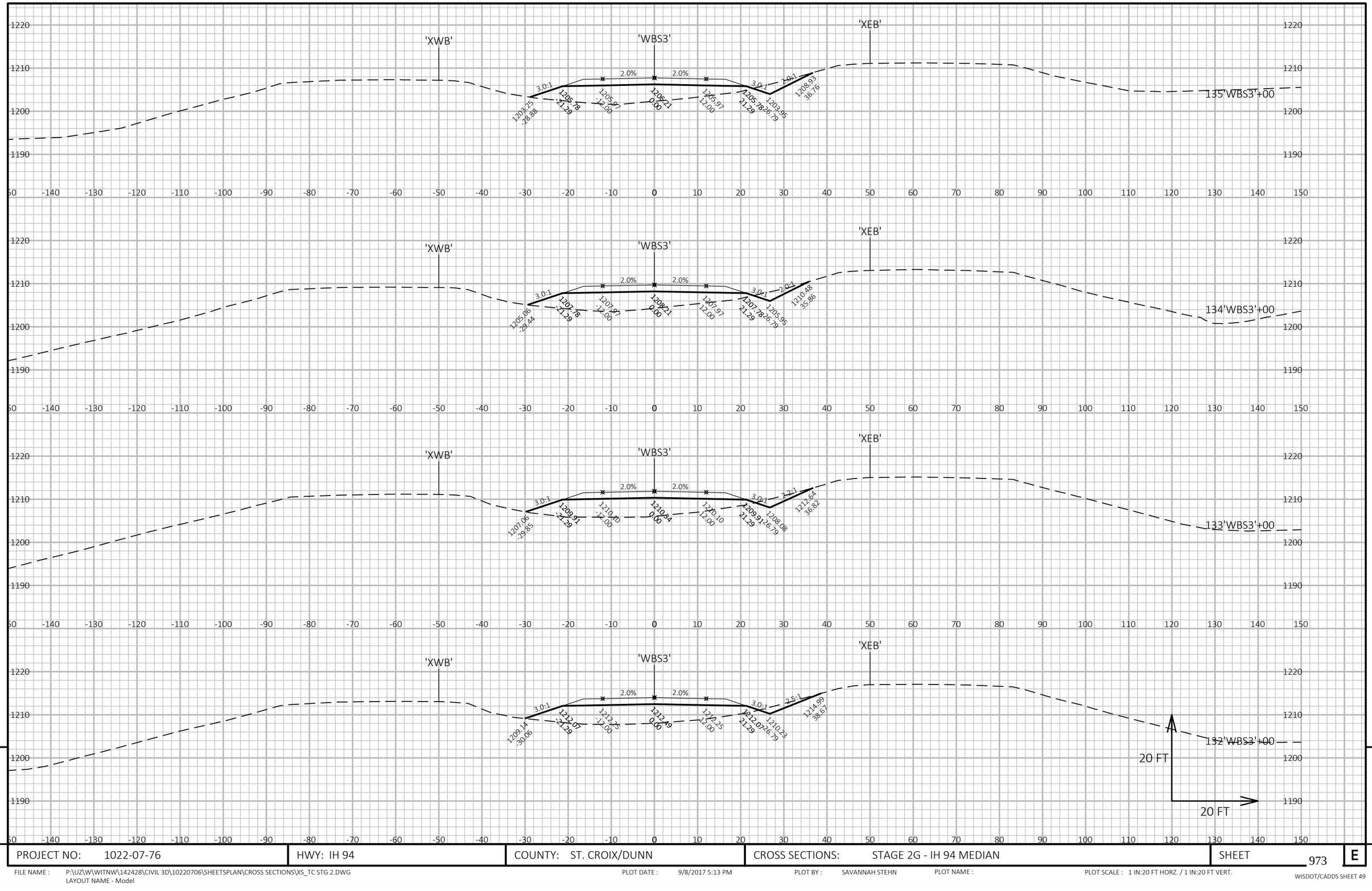
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 972	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 973	E

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LAYOUT NAME - Model

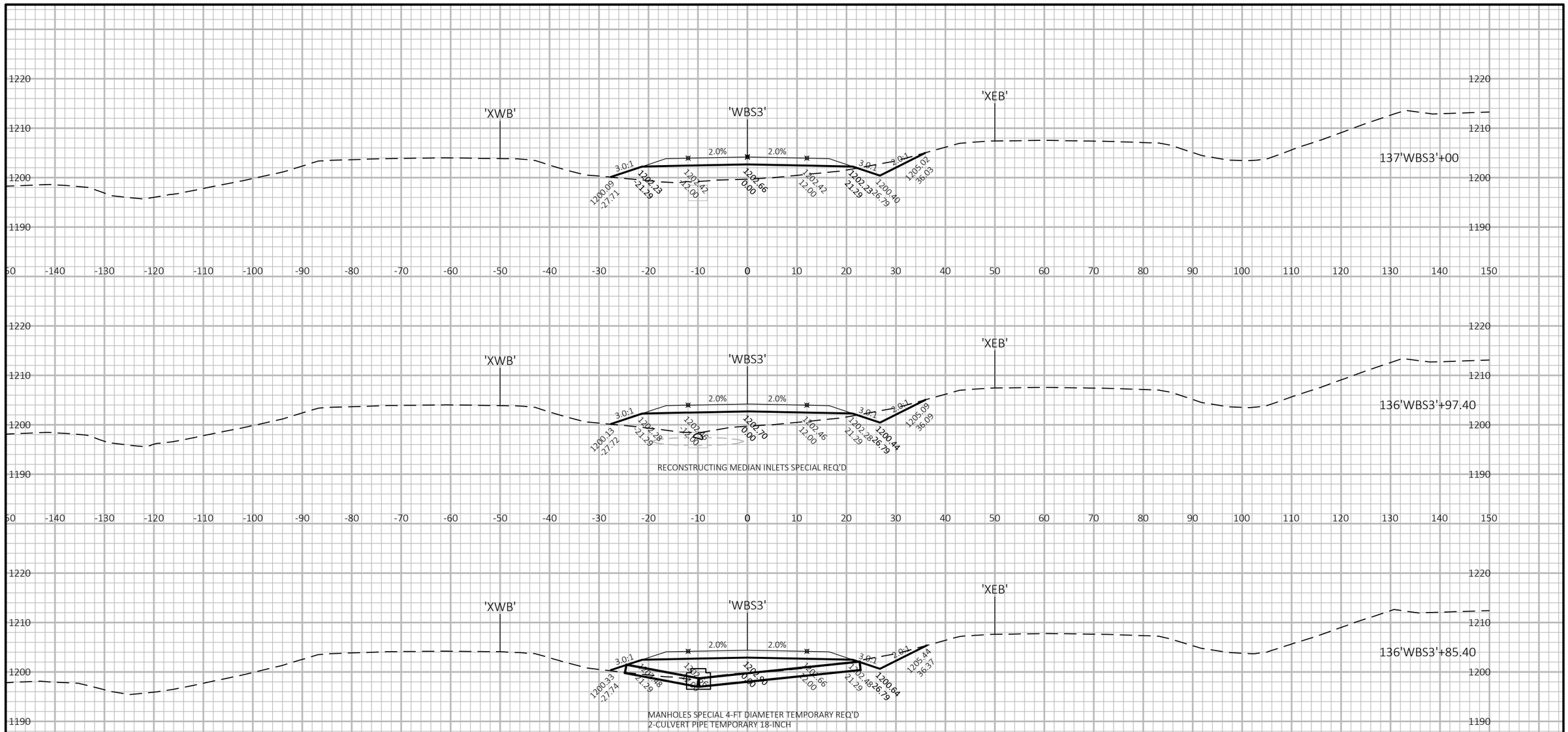
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PLOT BY : SAVANNAH STEHN

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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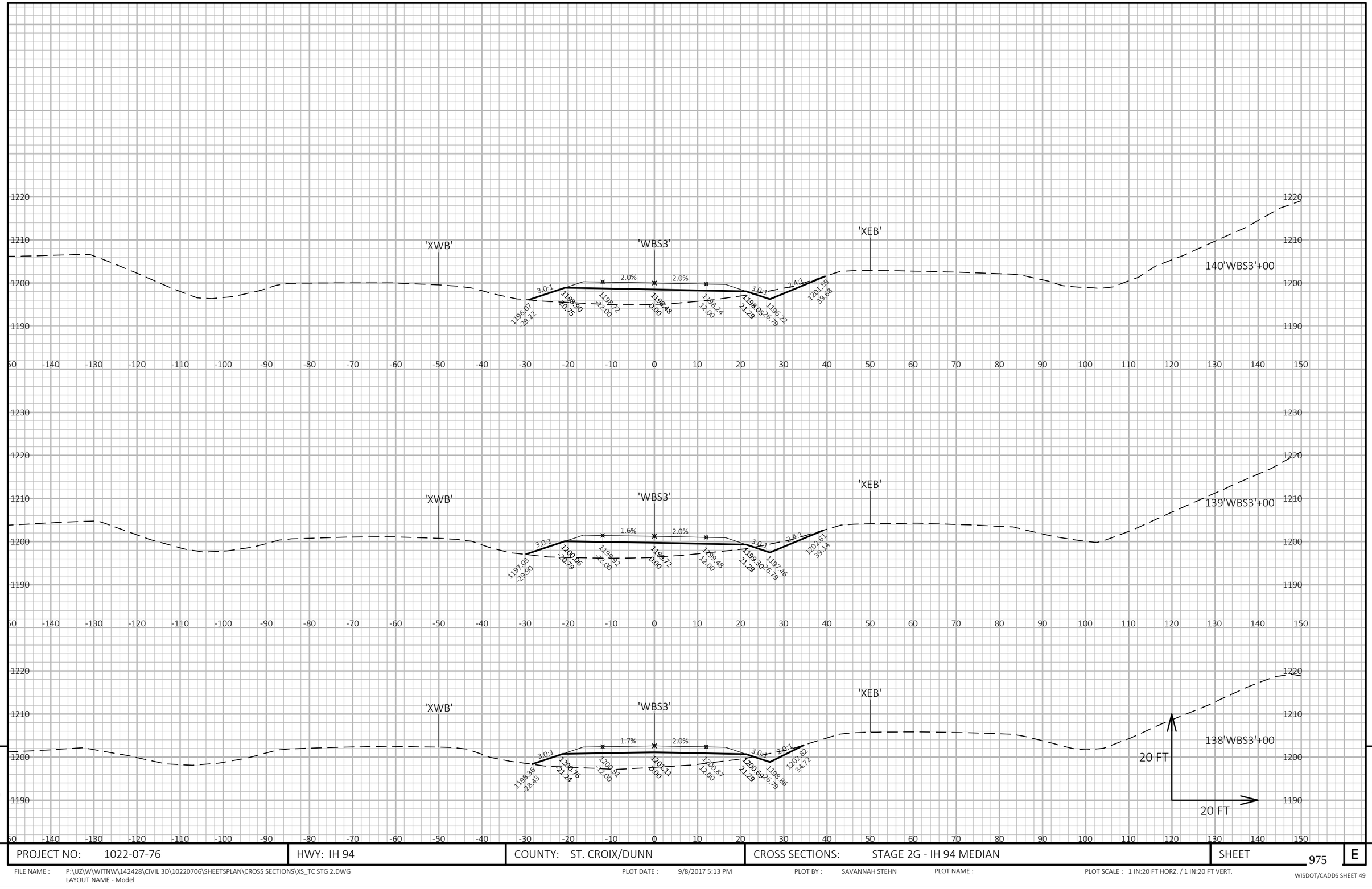
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 974	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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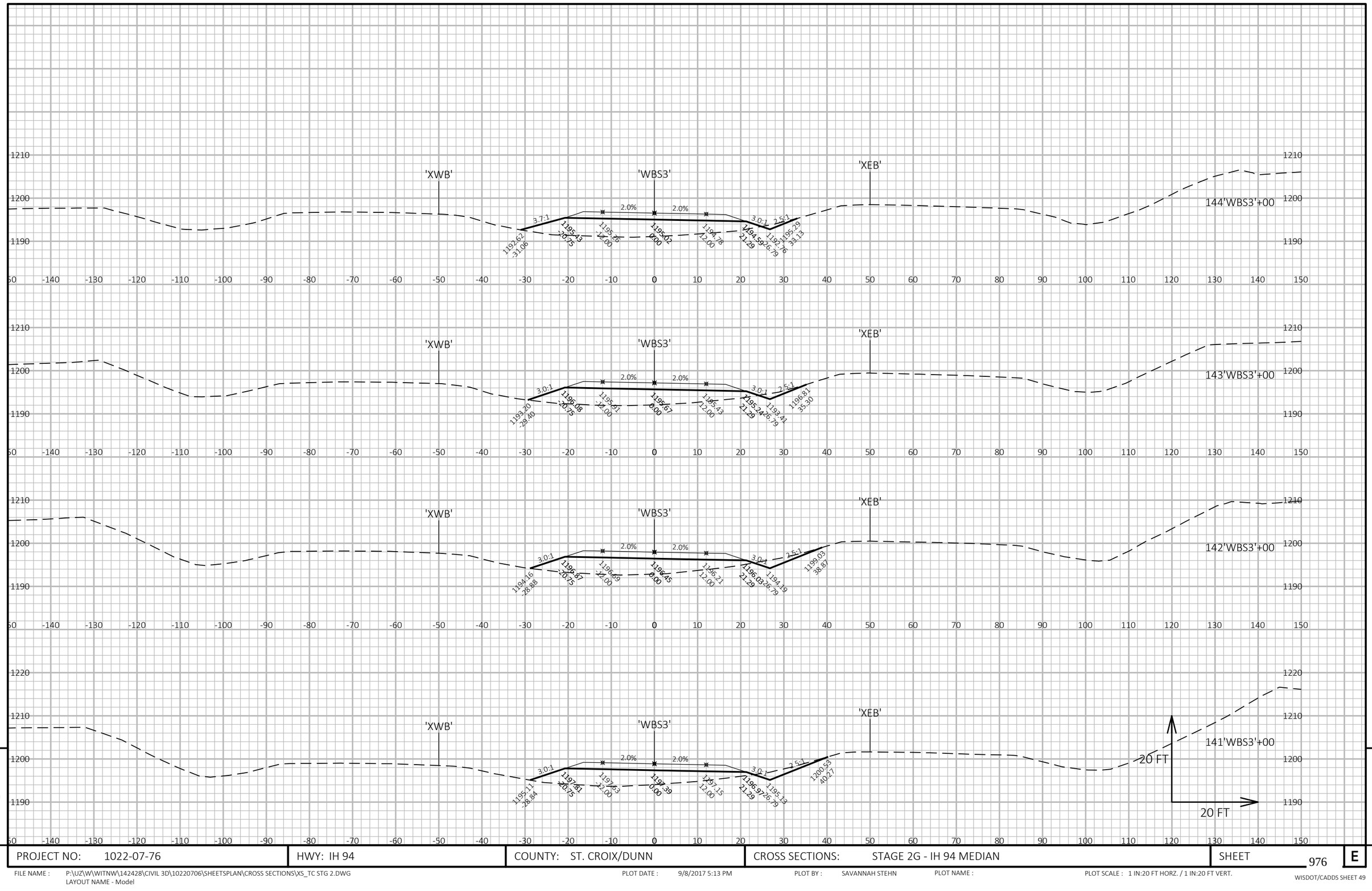
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 975	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

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WISDOT/CADDS SHEET 49



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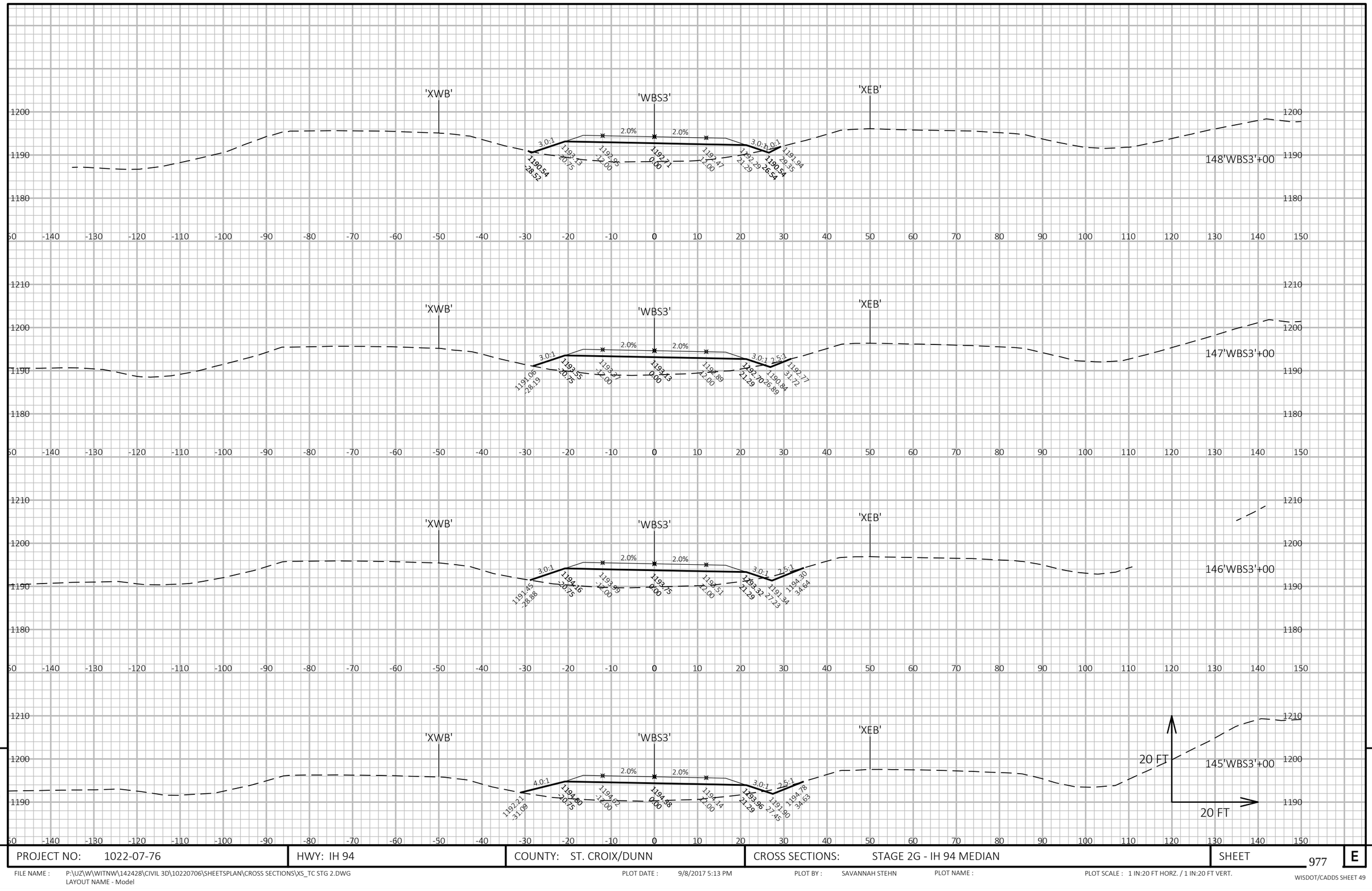
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 976	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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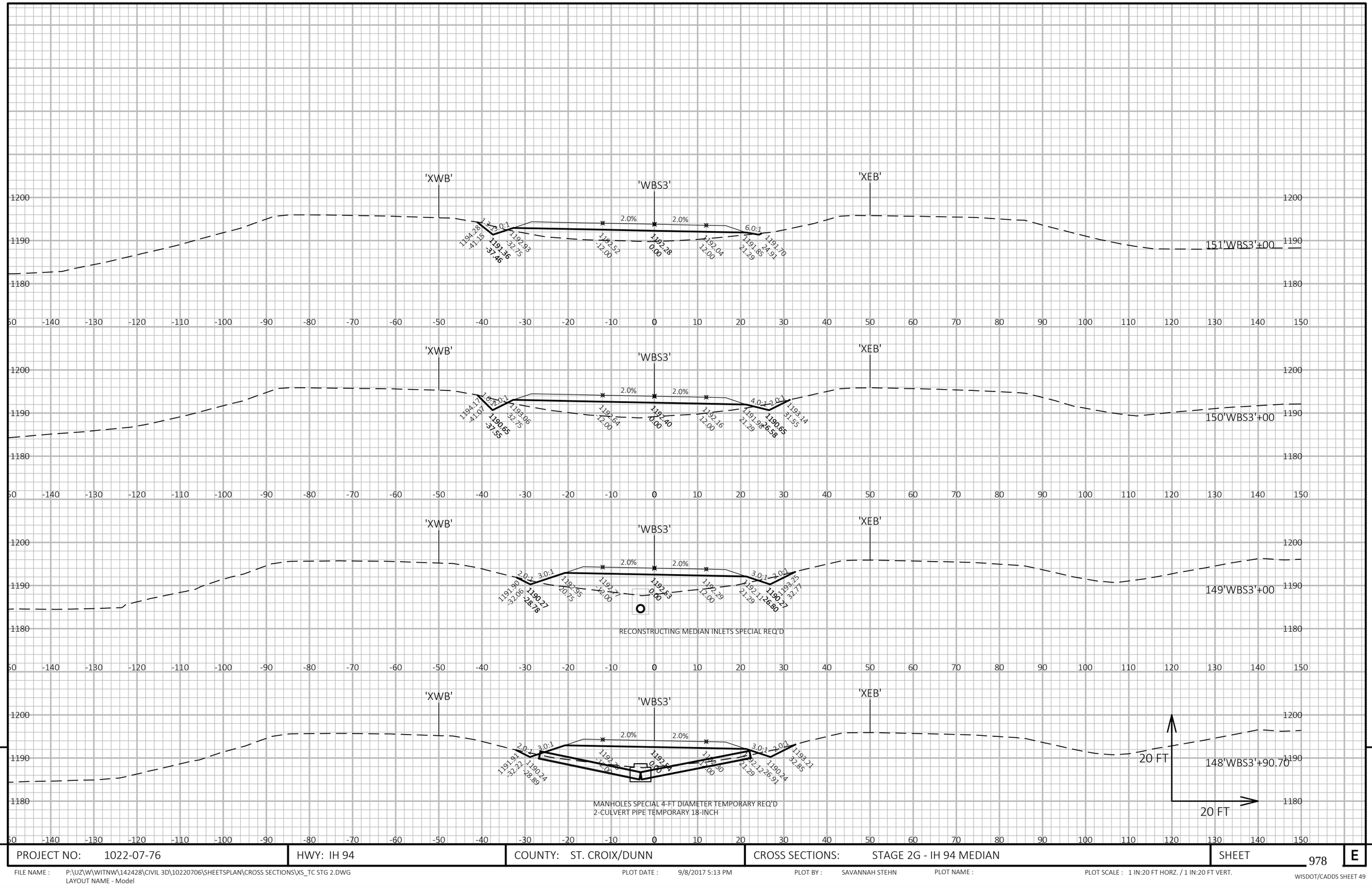
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 977	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

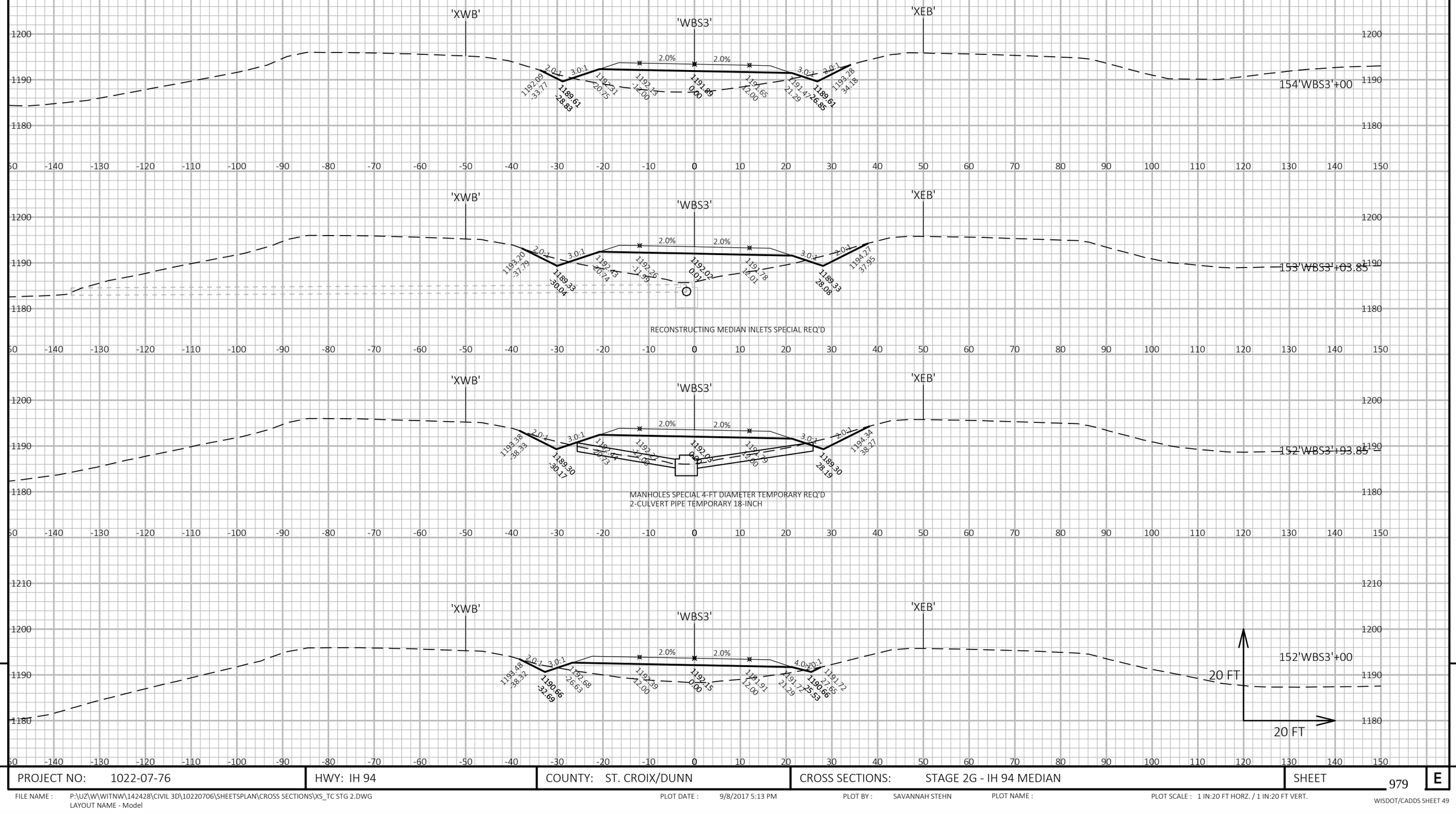


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 978	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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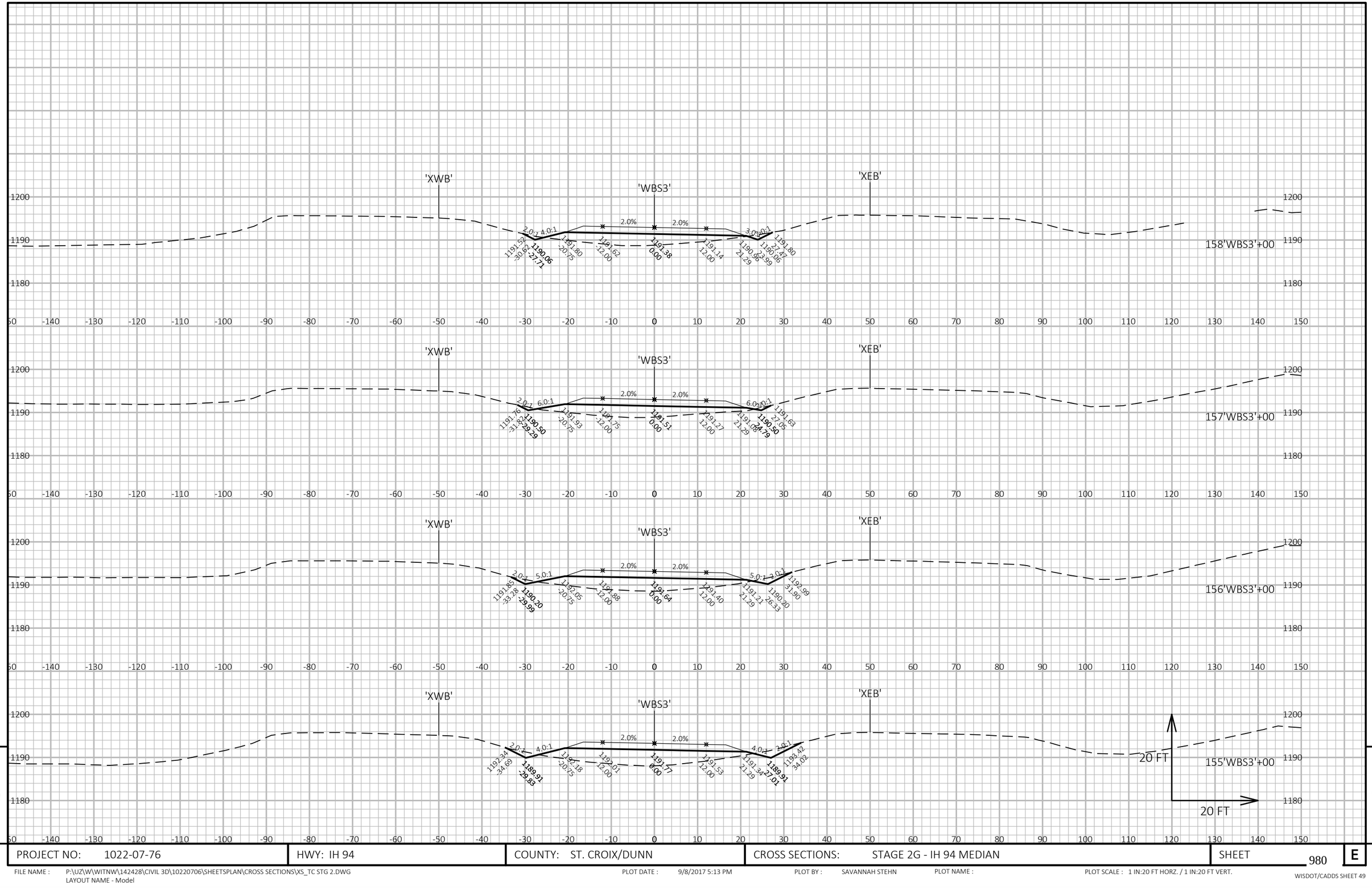
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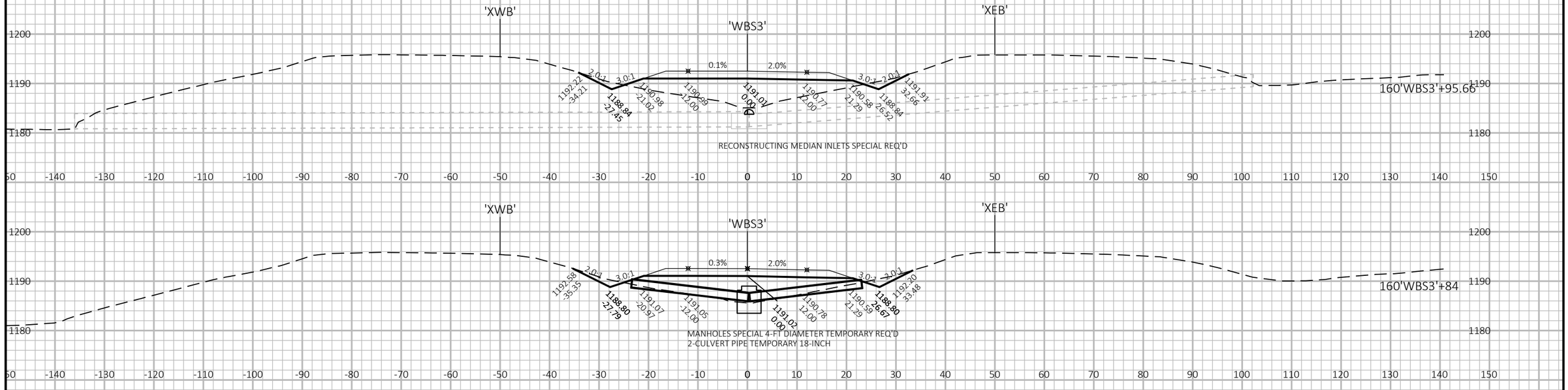
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LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 980	E



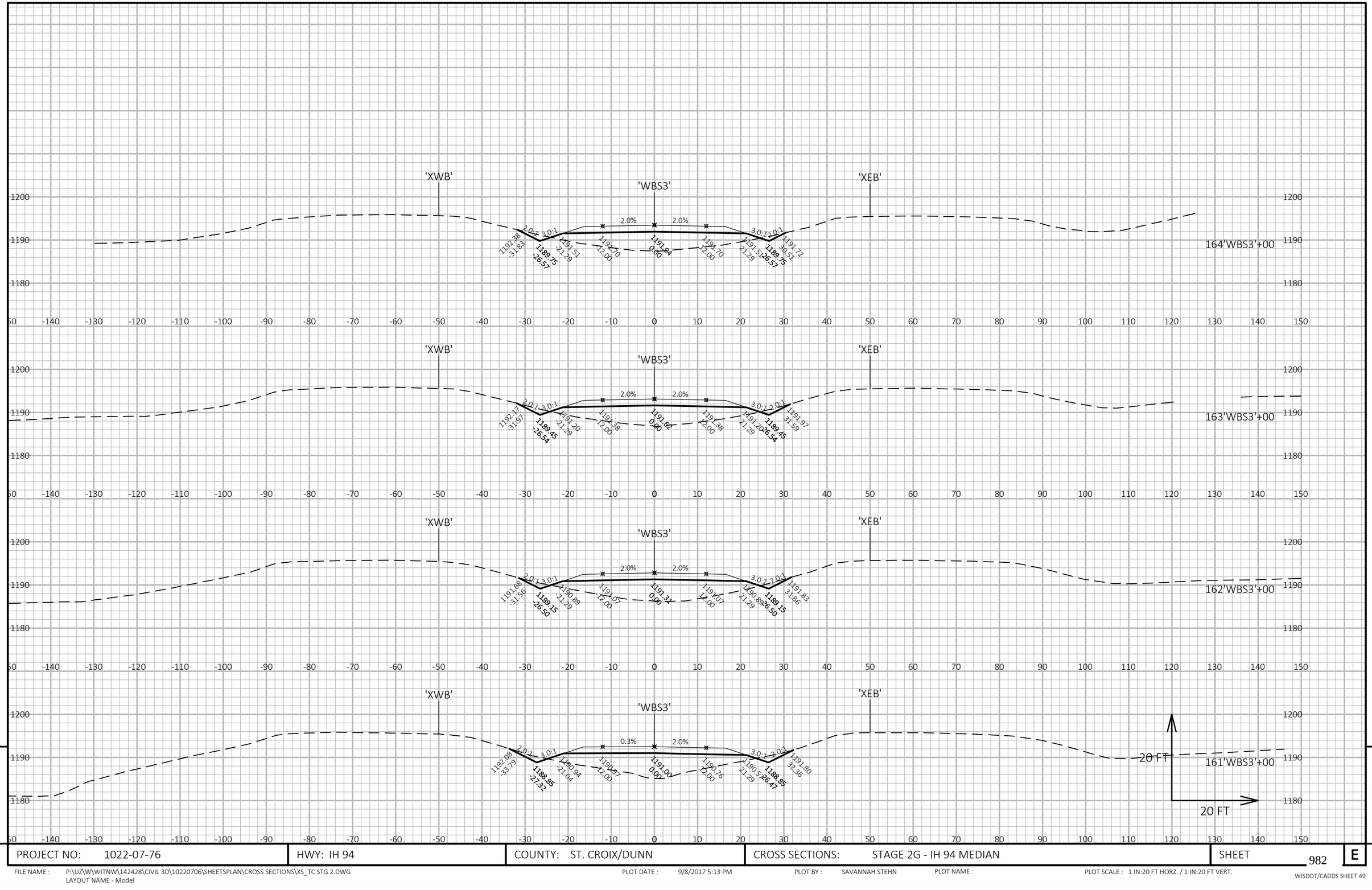
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 981	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

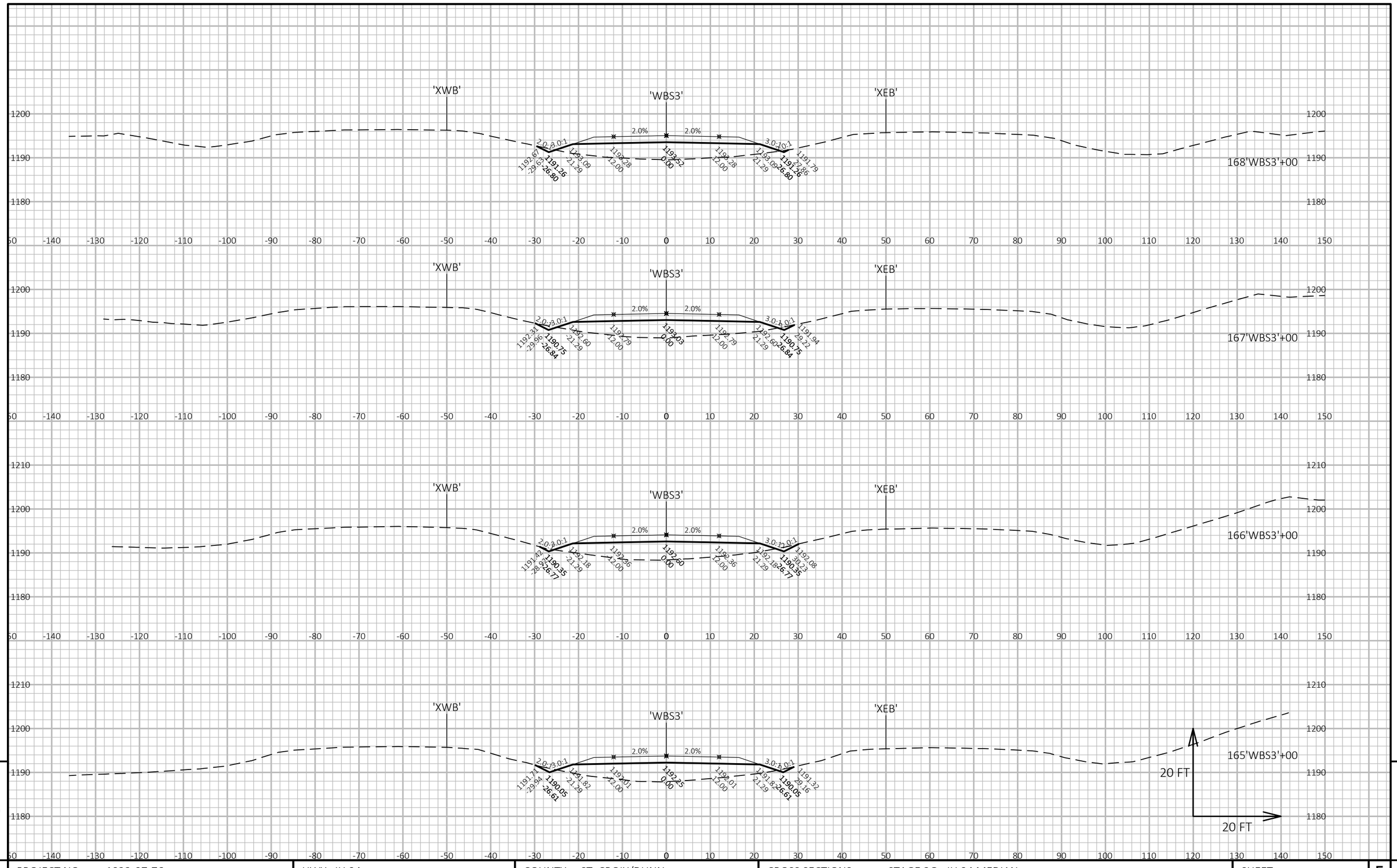


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 982	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

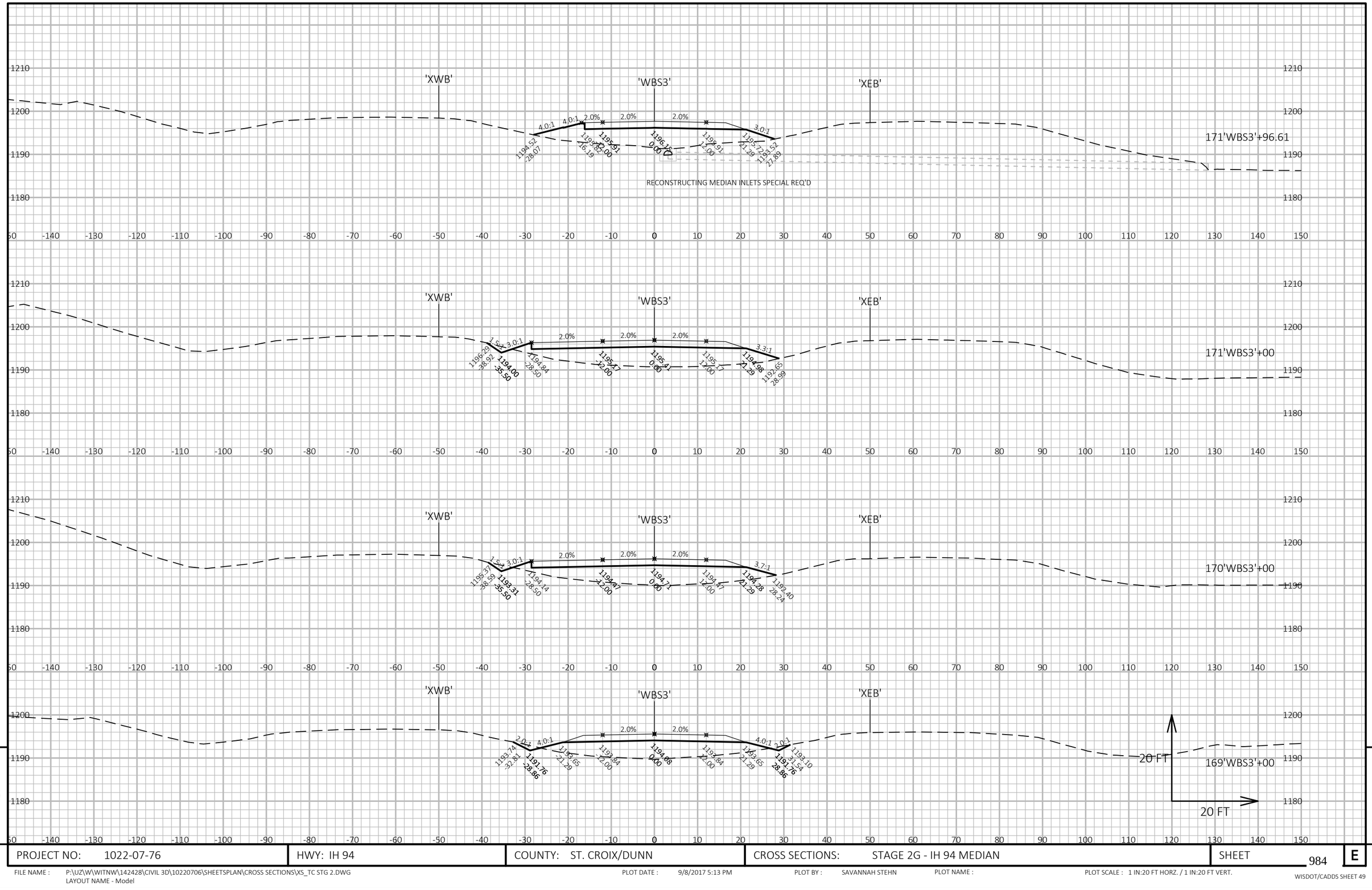
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 983	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

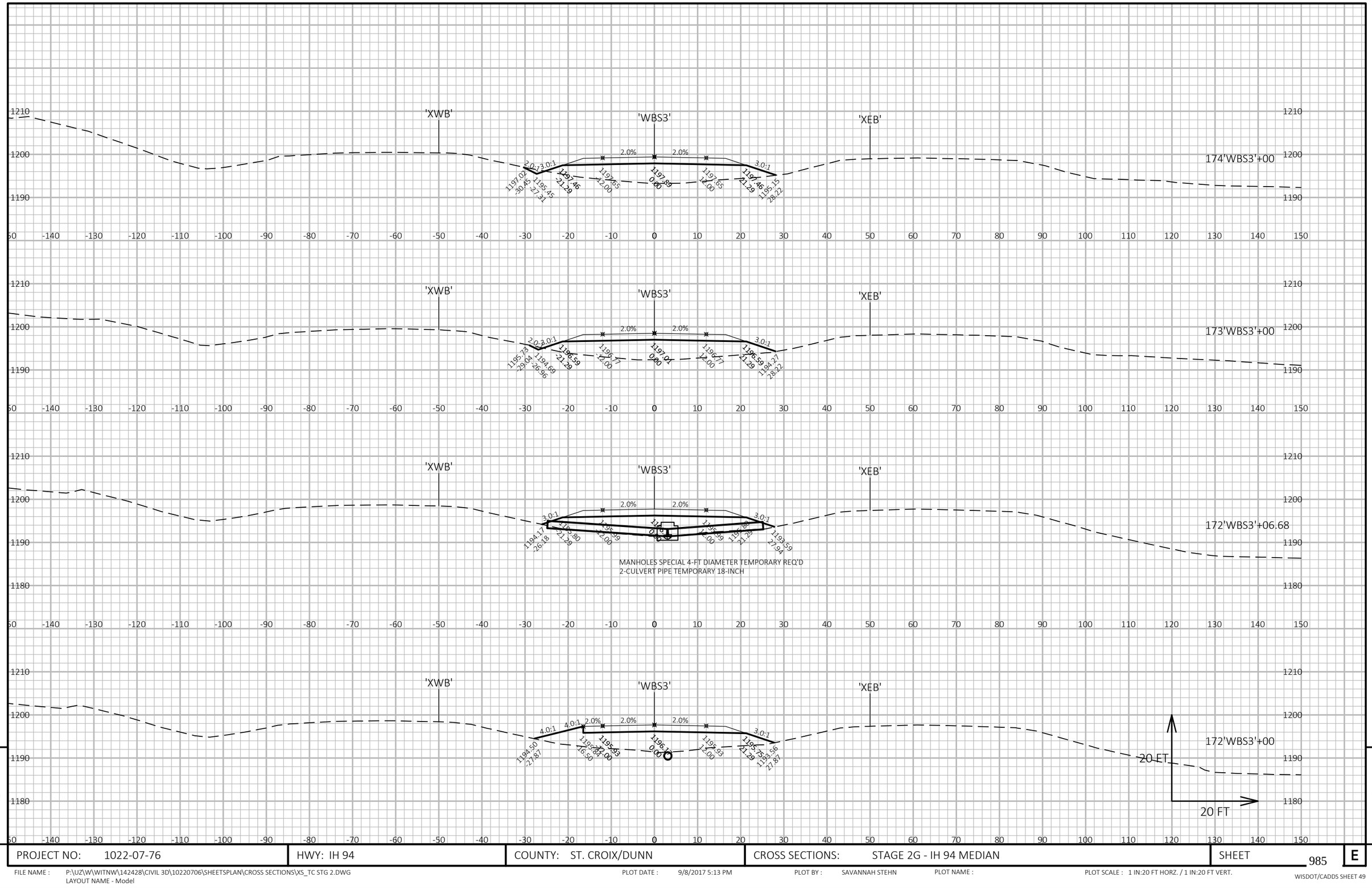
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 984	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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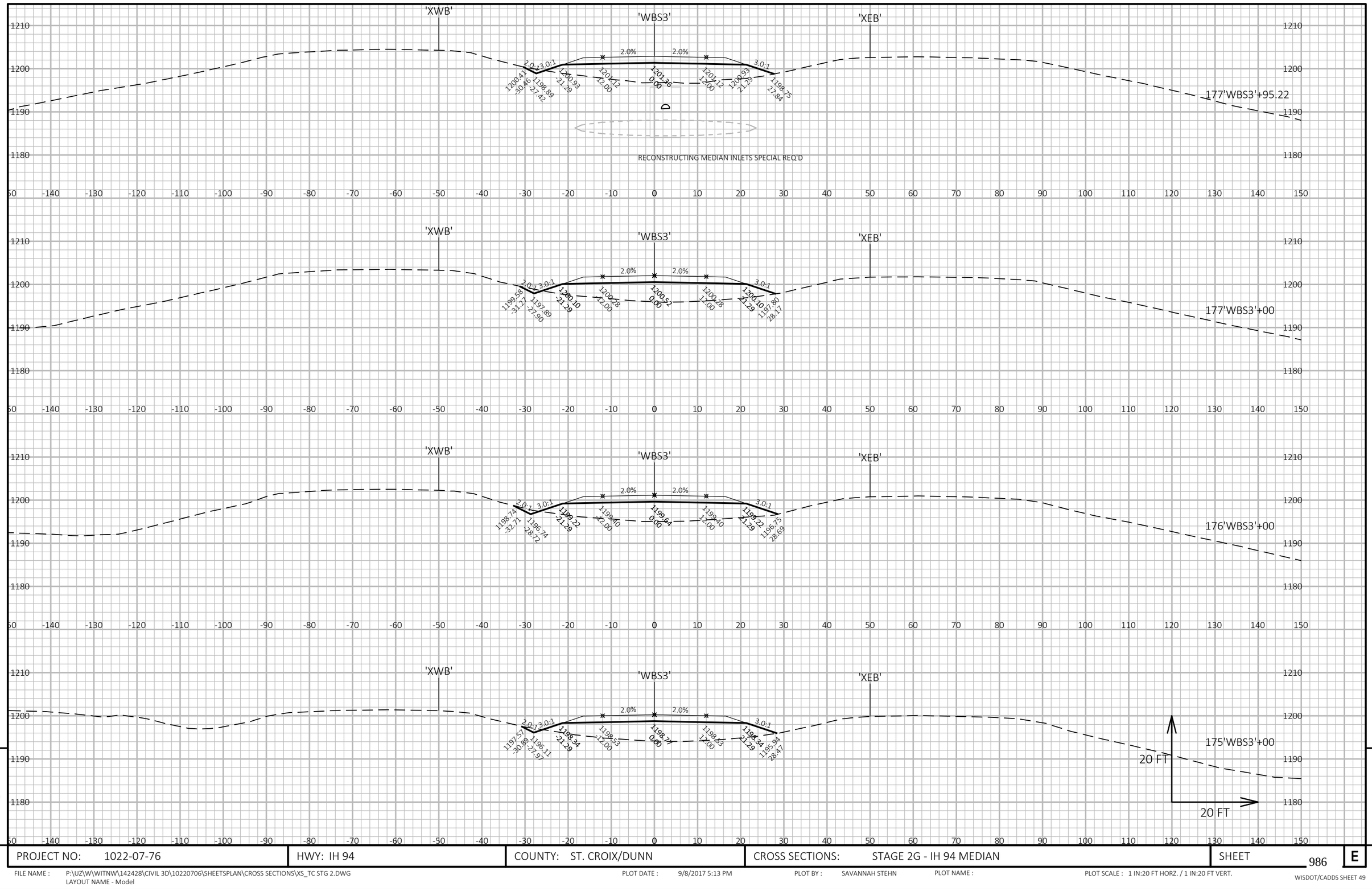
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 985	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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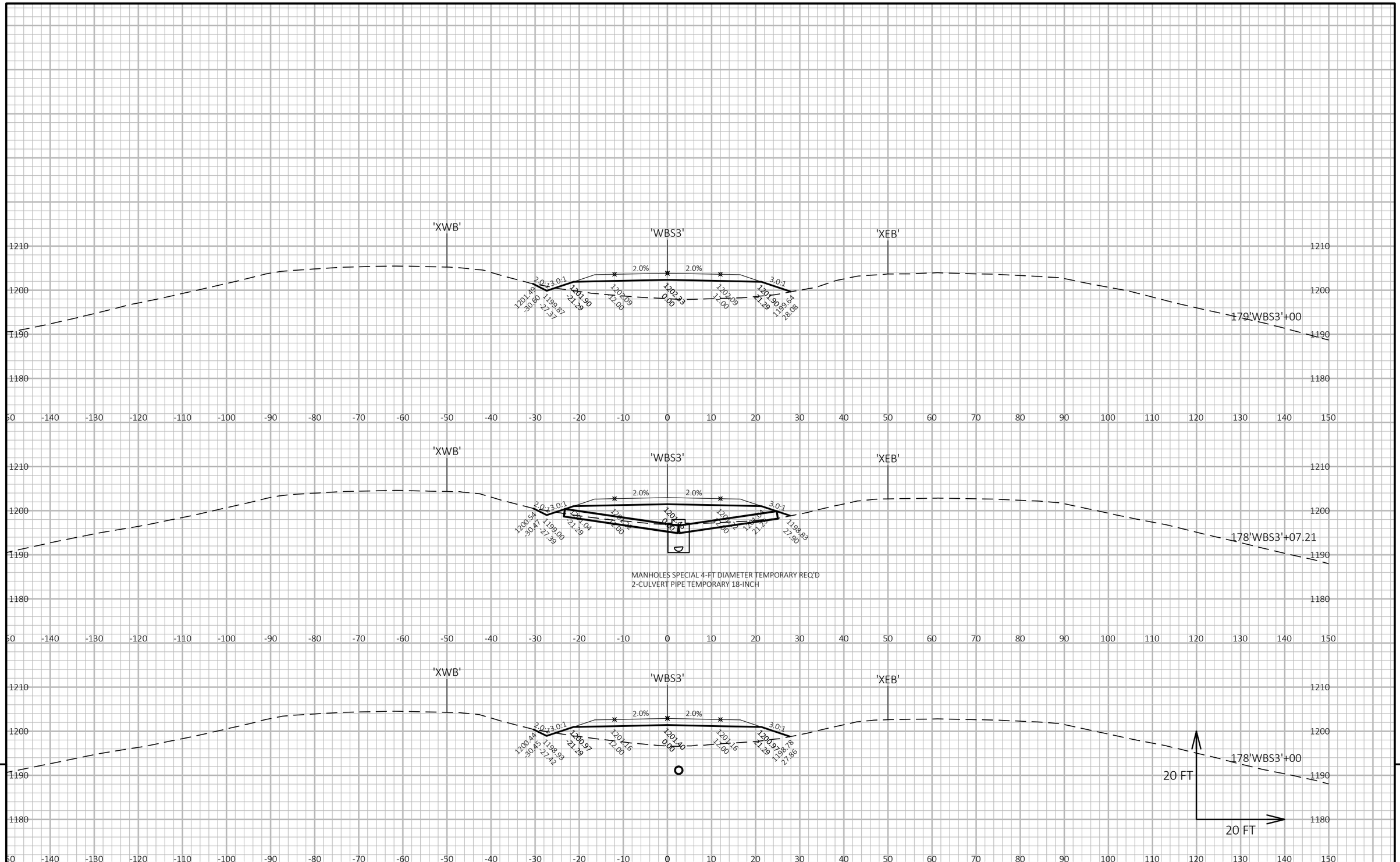
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 986	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

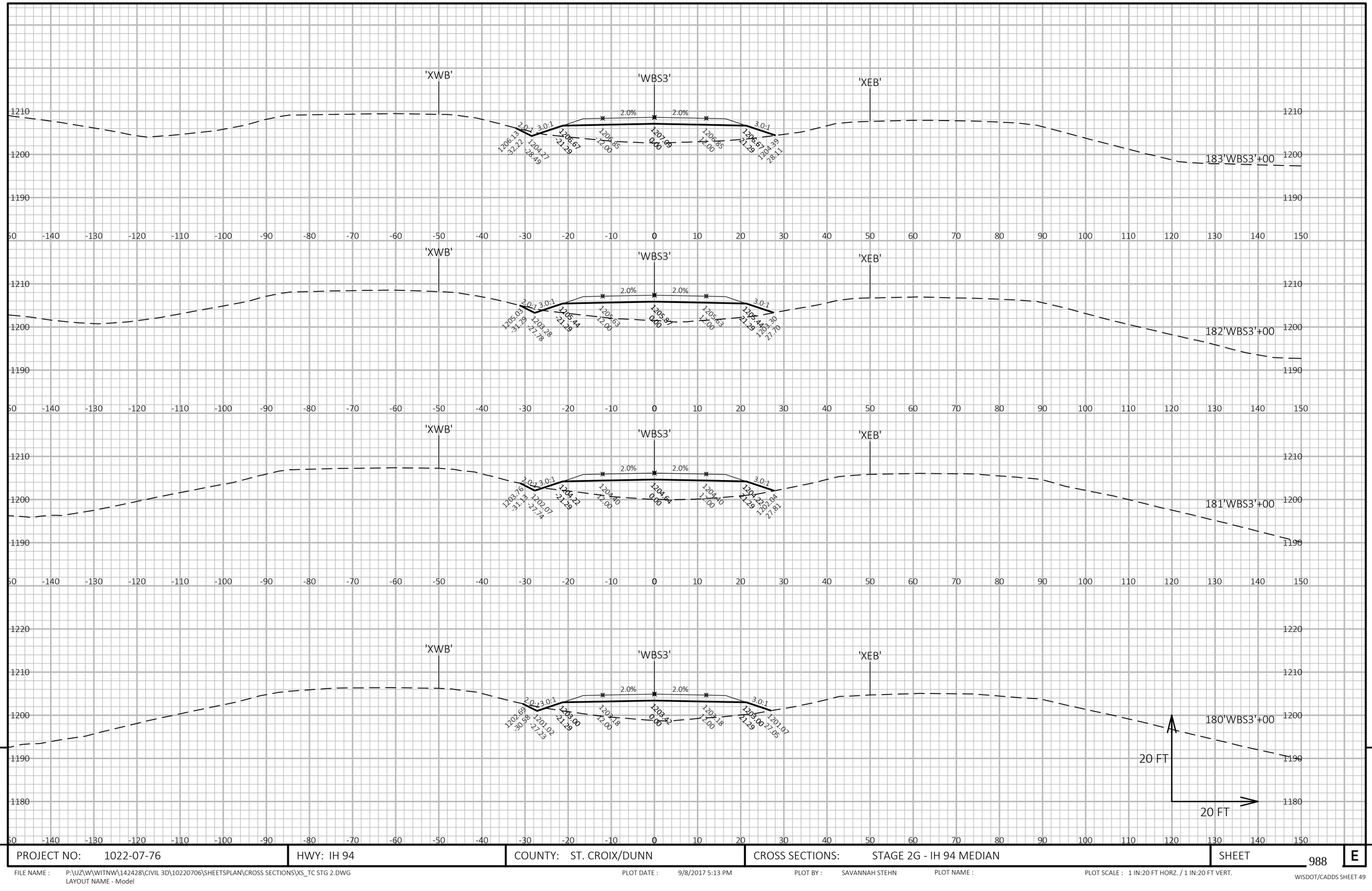


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 987	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

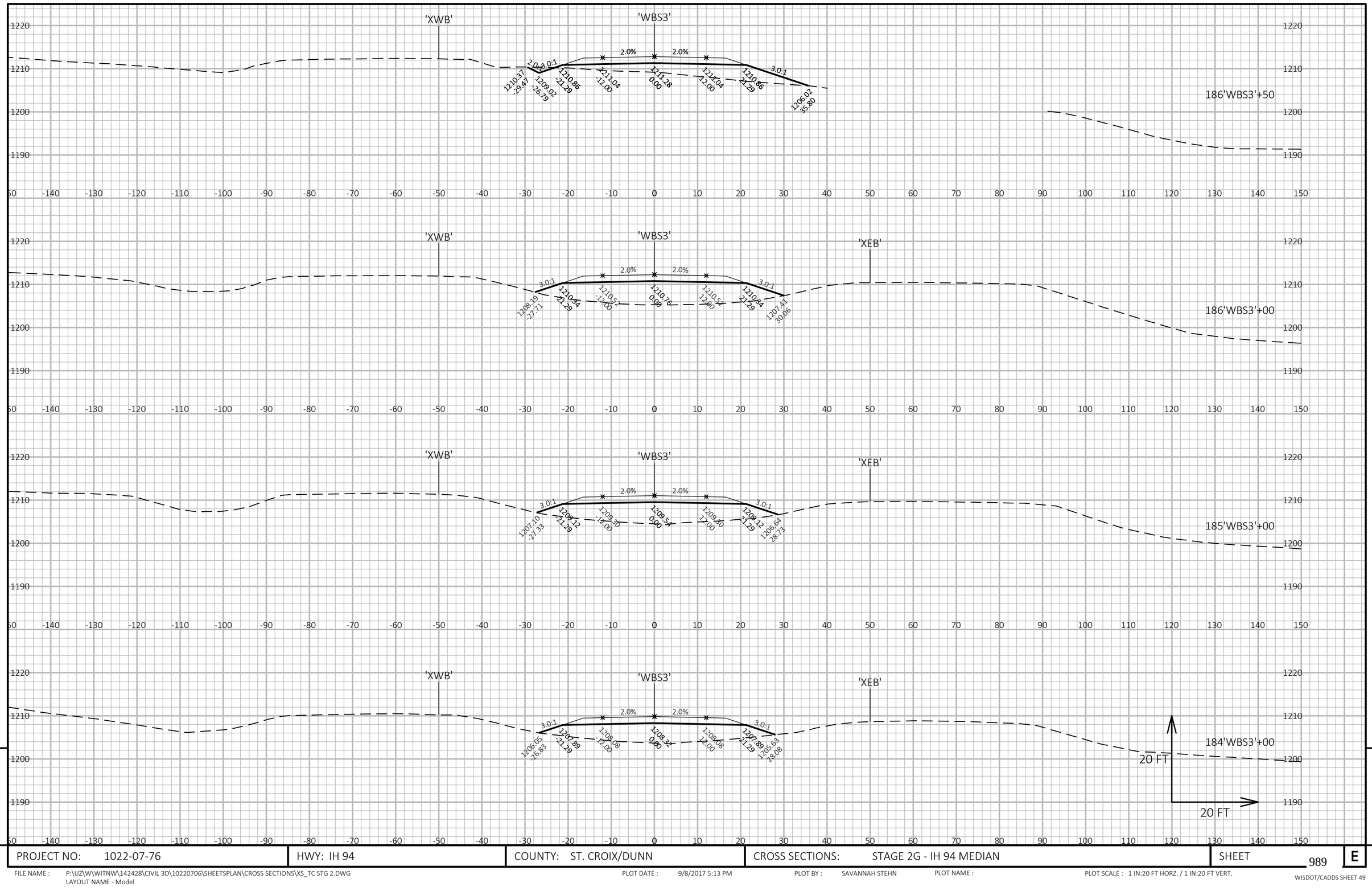


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 988	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model
PLOT DATE : 9/8/2017 5:13 PM
PLOT BY : SAVANNAH STEHN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



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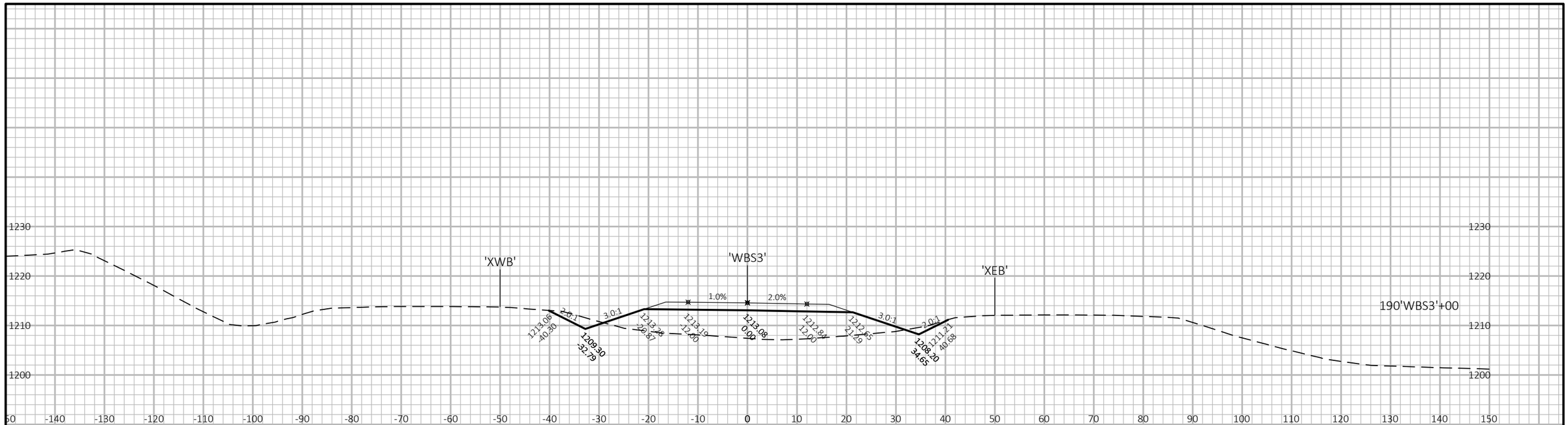
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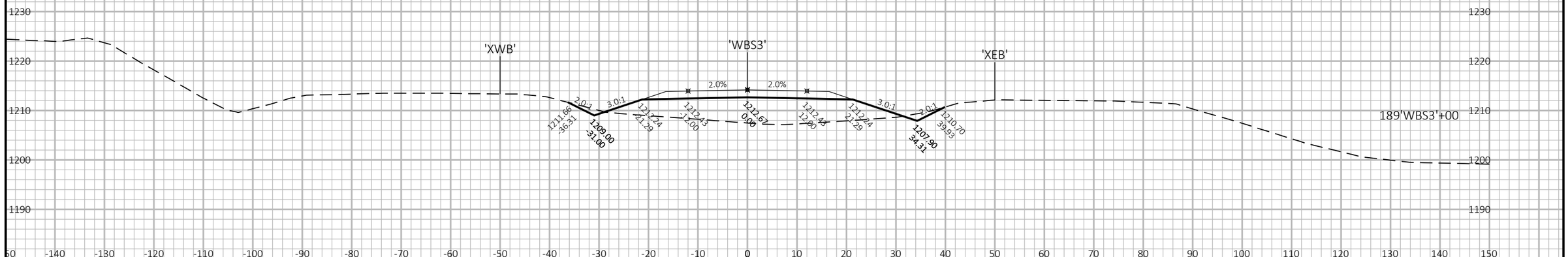
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 989	E

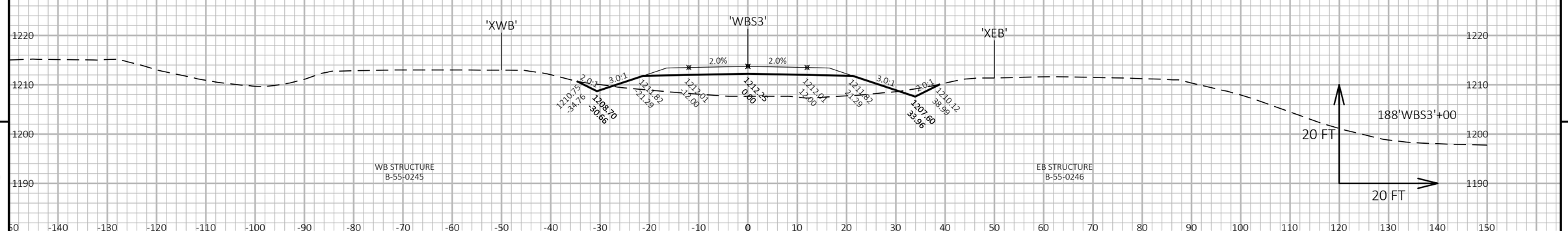
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LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







WB STRUCTURE
B-55-0245

EB STRUCTURE
B-55-0246

9

9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 990	E

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LAYOUT NAME - Model

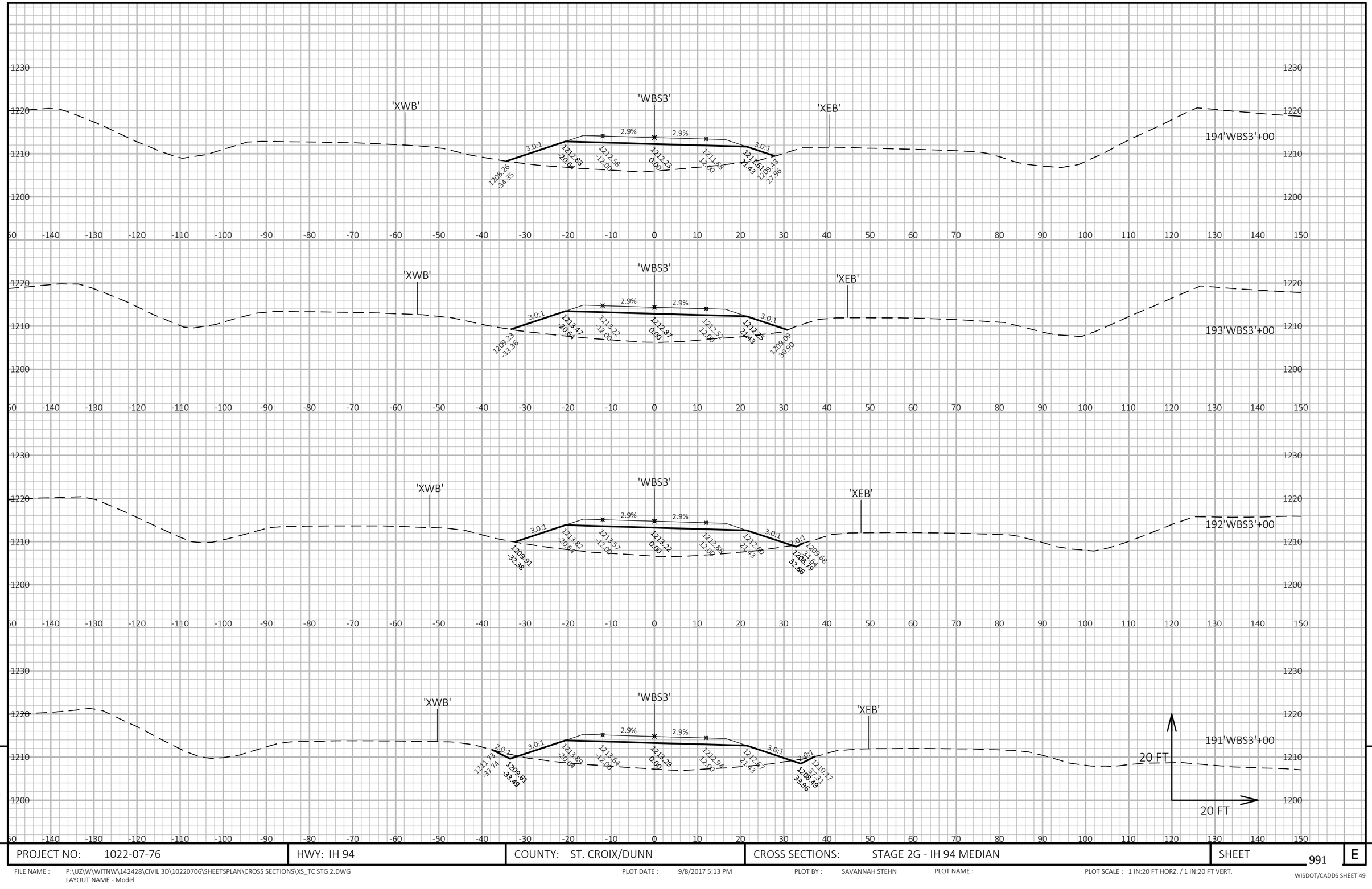
PLOT DATE : 9/8/2017 5:13 PM

PLOT BY : SAVANNAH STEHN

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



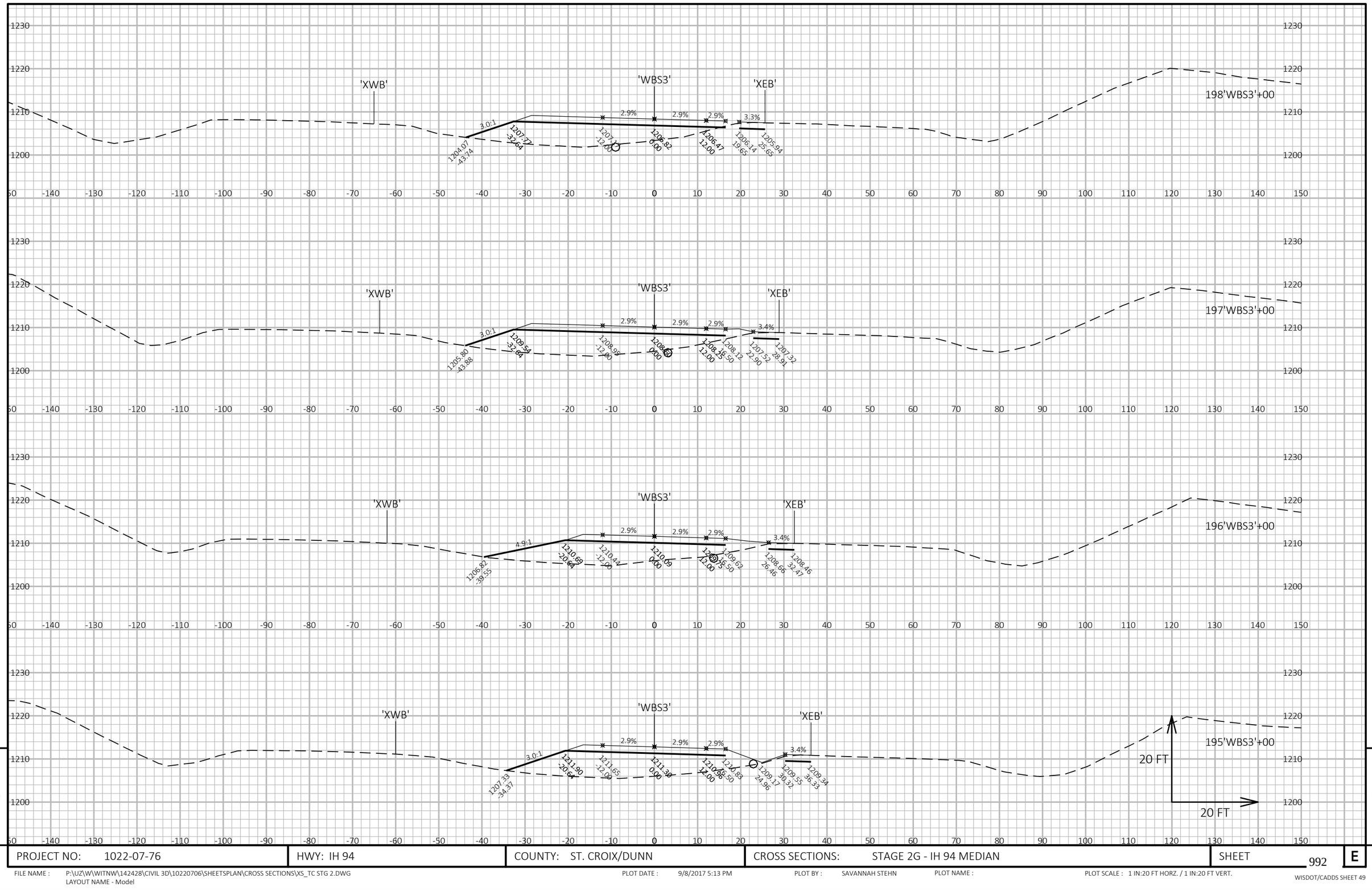
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 991	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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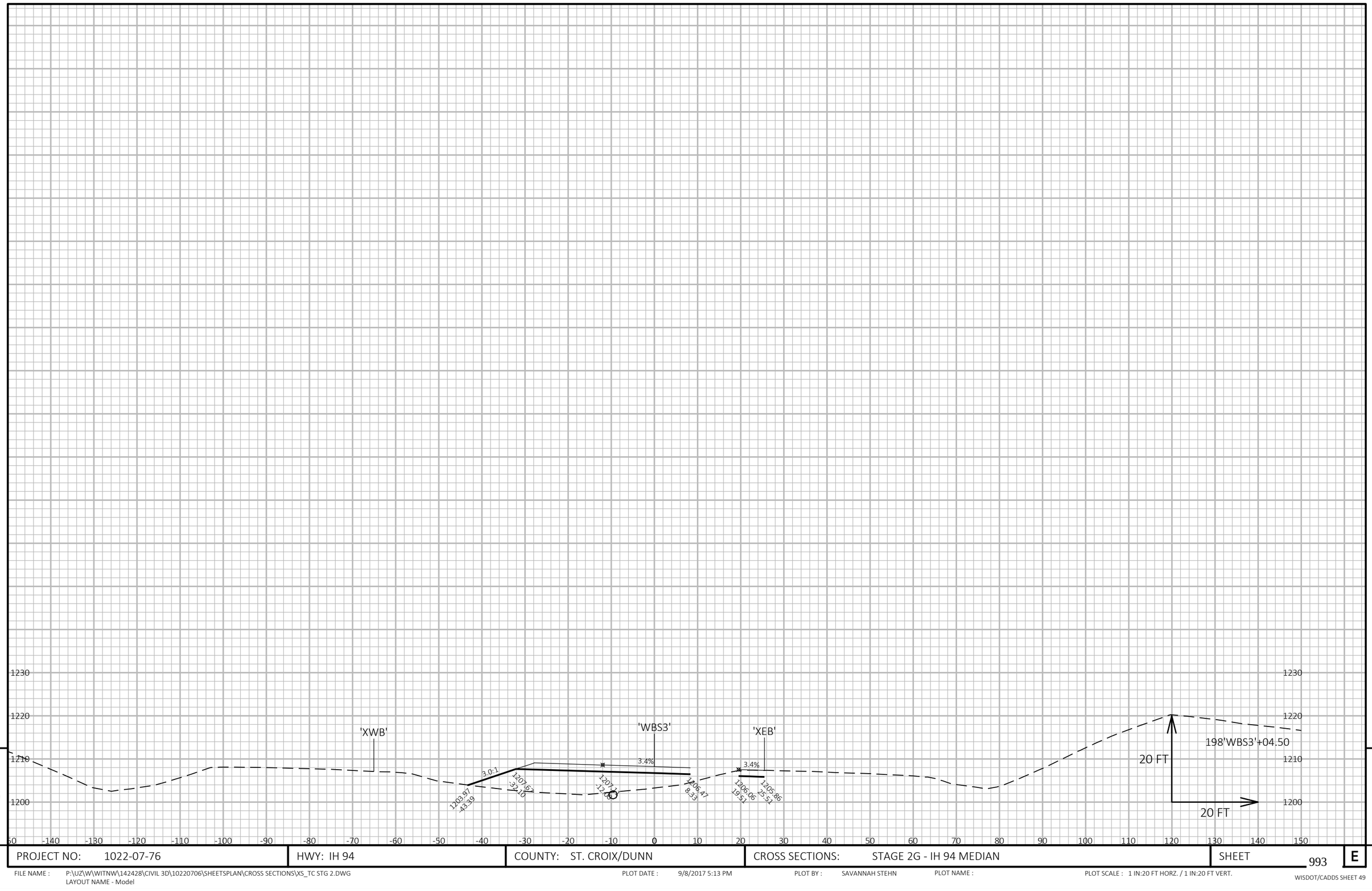
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 992	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

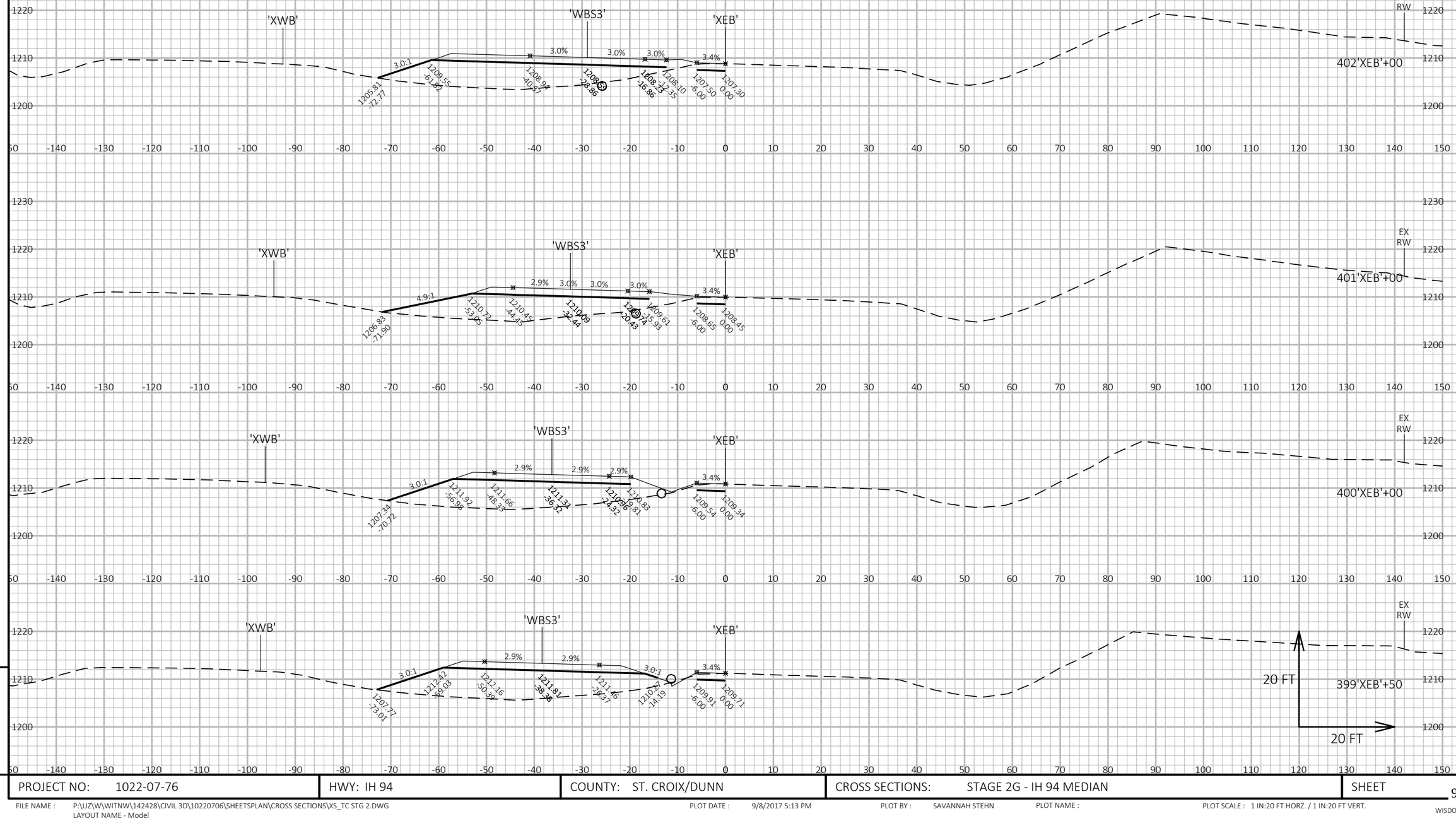


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 993	E

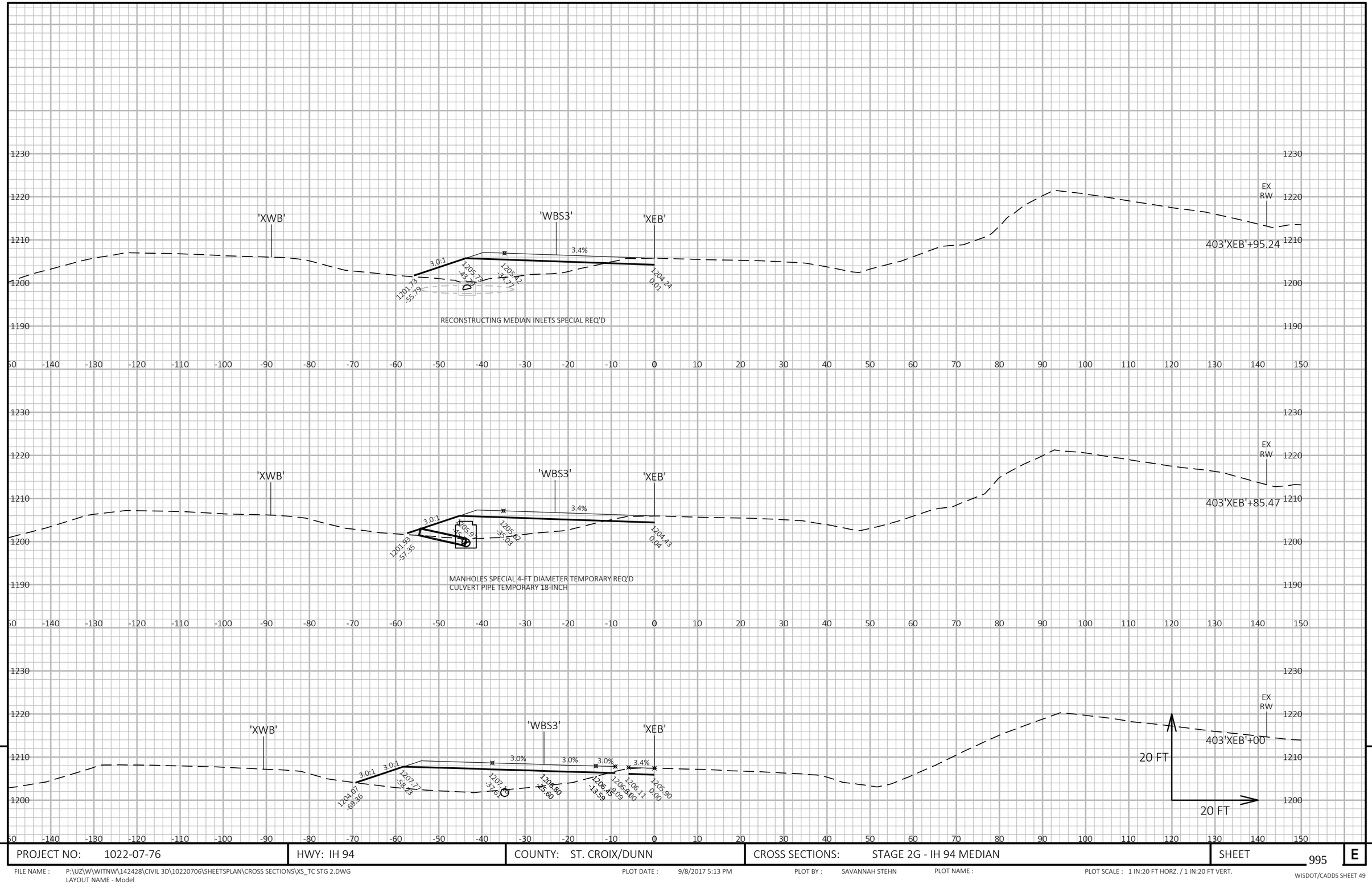
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LAYOUT NAME - Model

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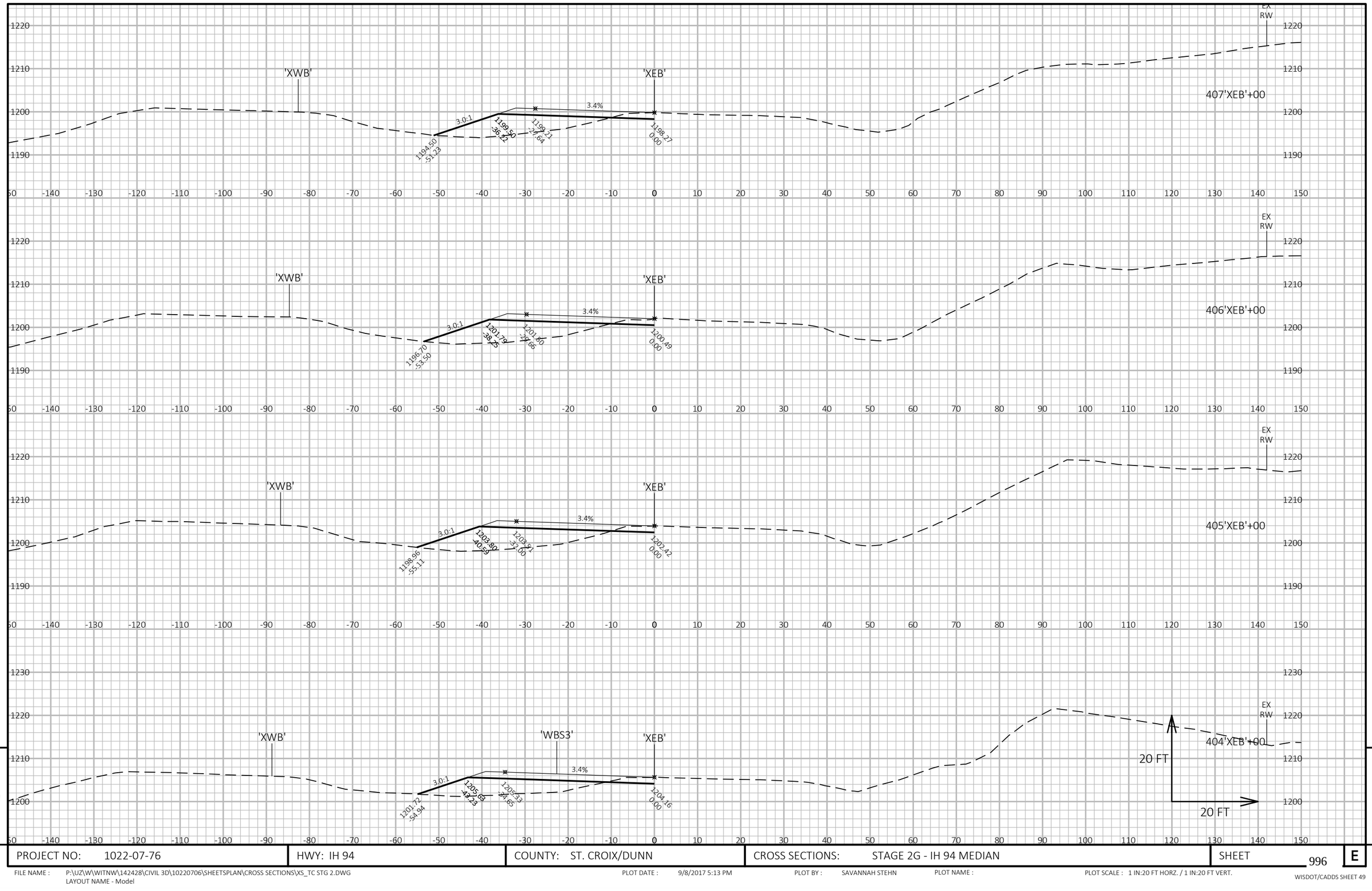
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FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model
PLOT DATE : 9/8/2017 5:13 PM
PLOT BY : SAVANNAH STEHN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 995	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model
PLOT DATE : 9/8/2017 5:13 PM
PLOT BY : SAVANNAH STEHN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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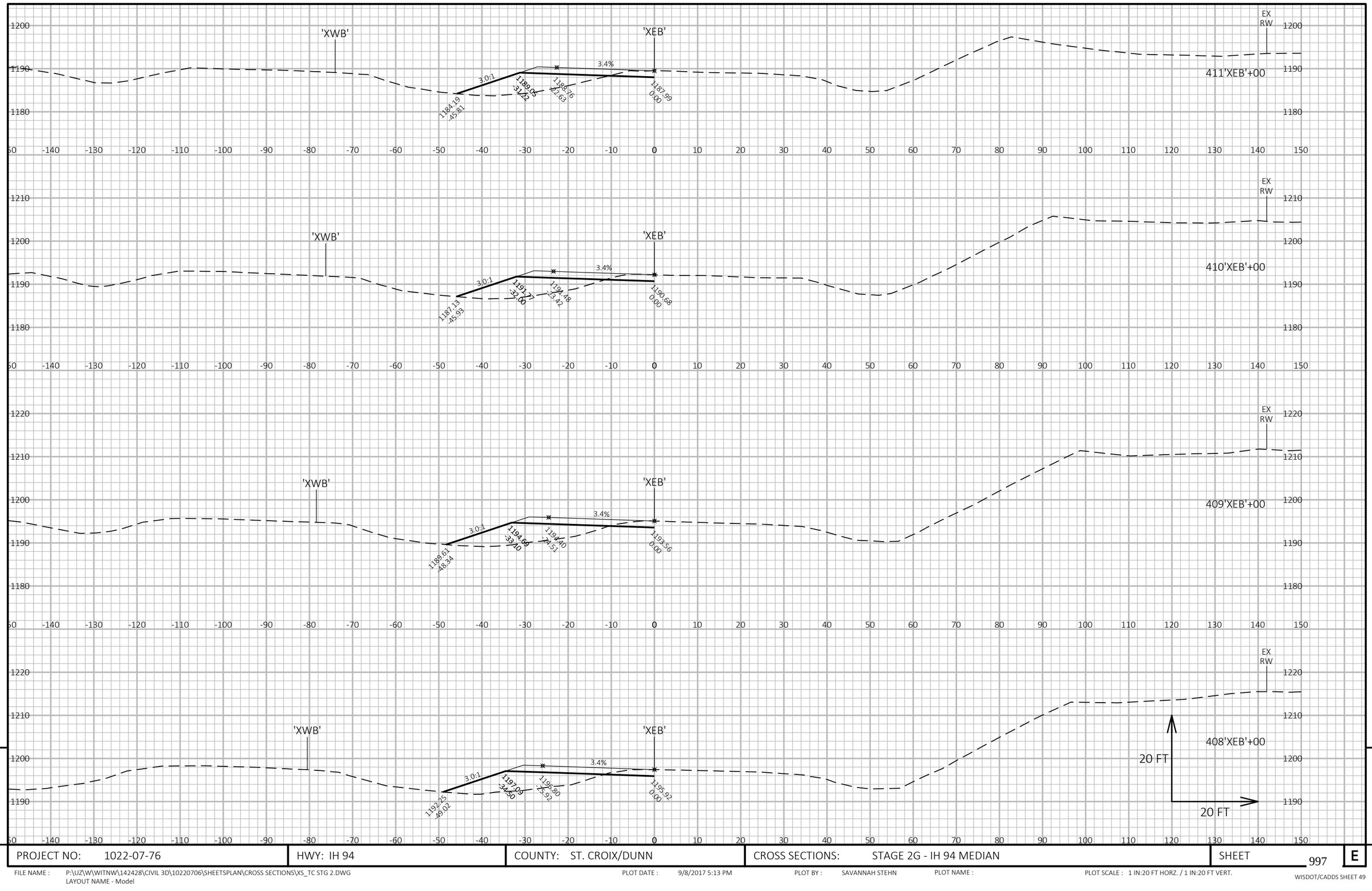
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 996	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



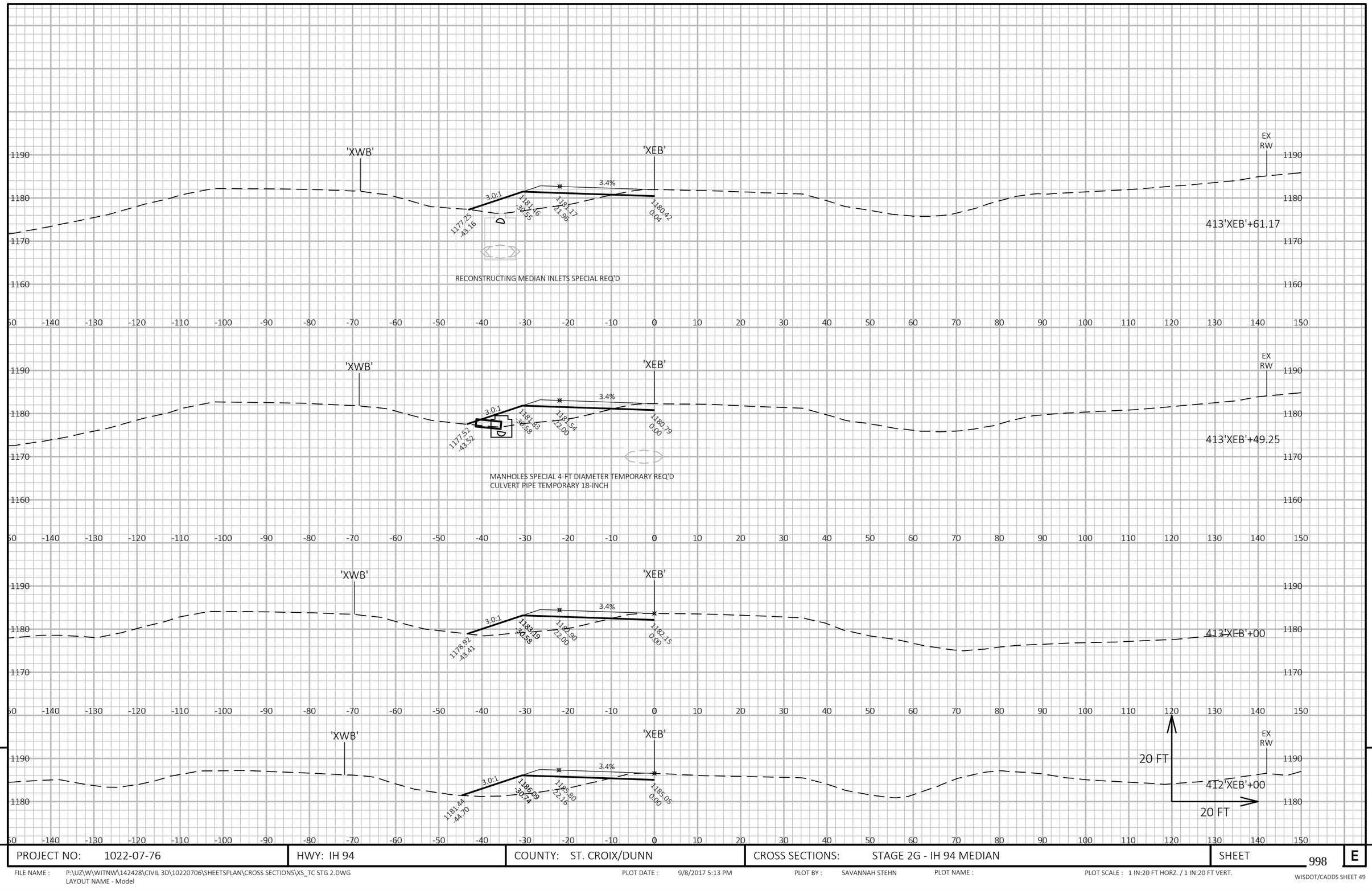
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 997	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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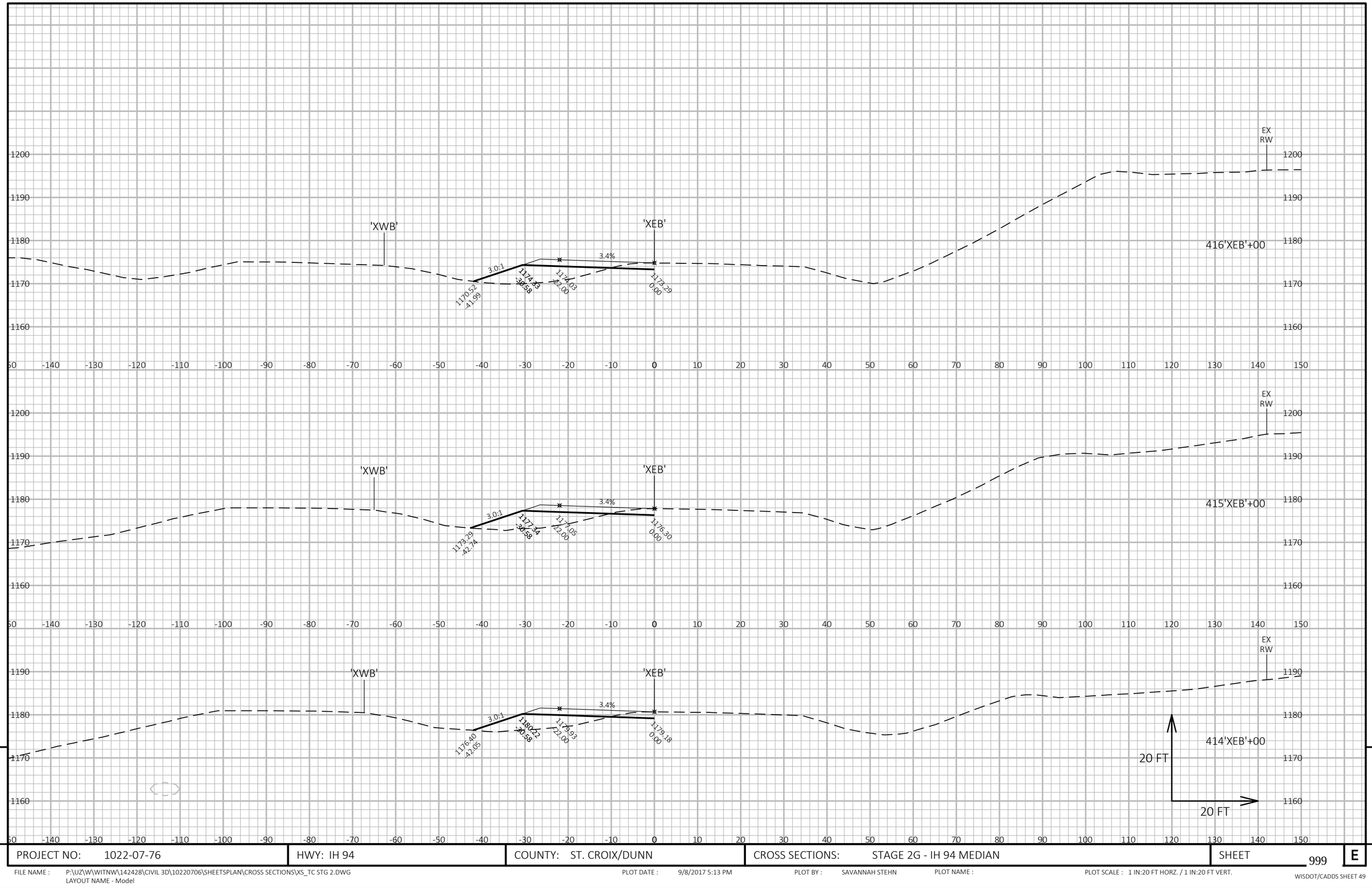
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 998	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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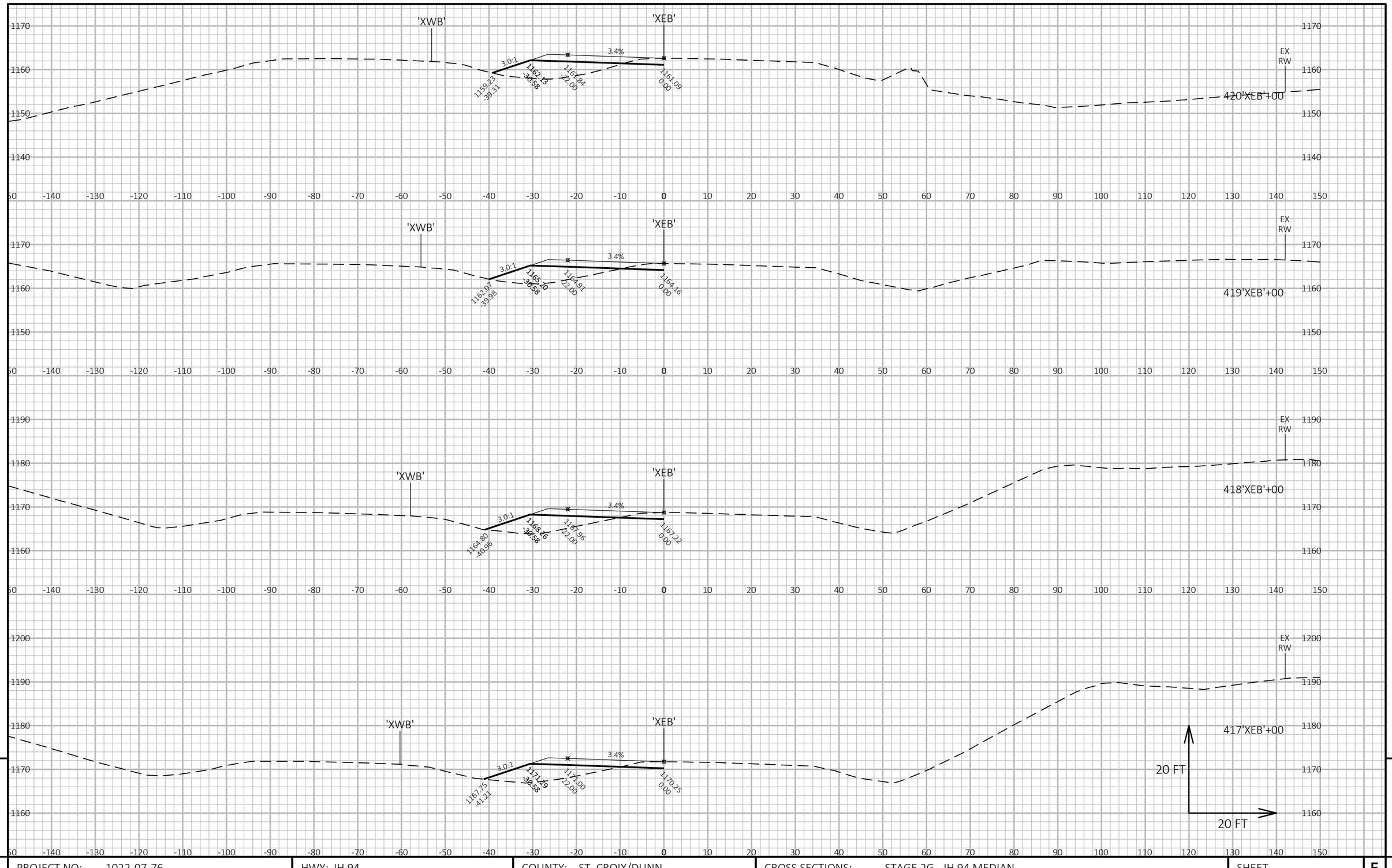
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 999	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

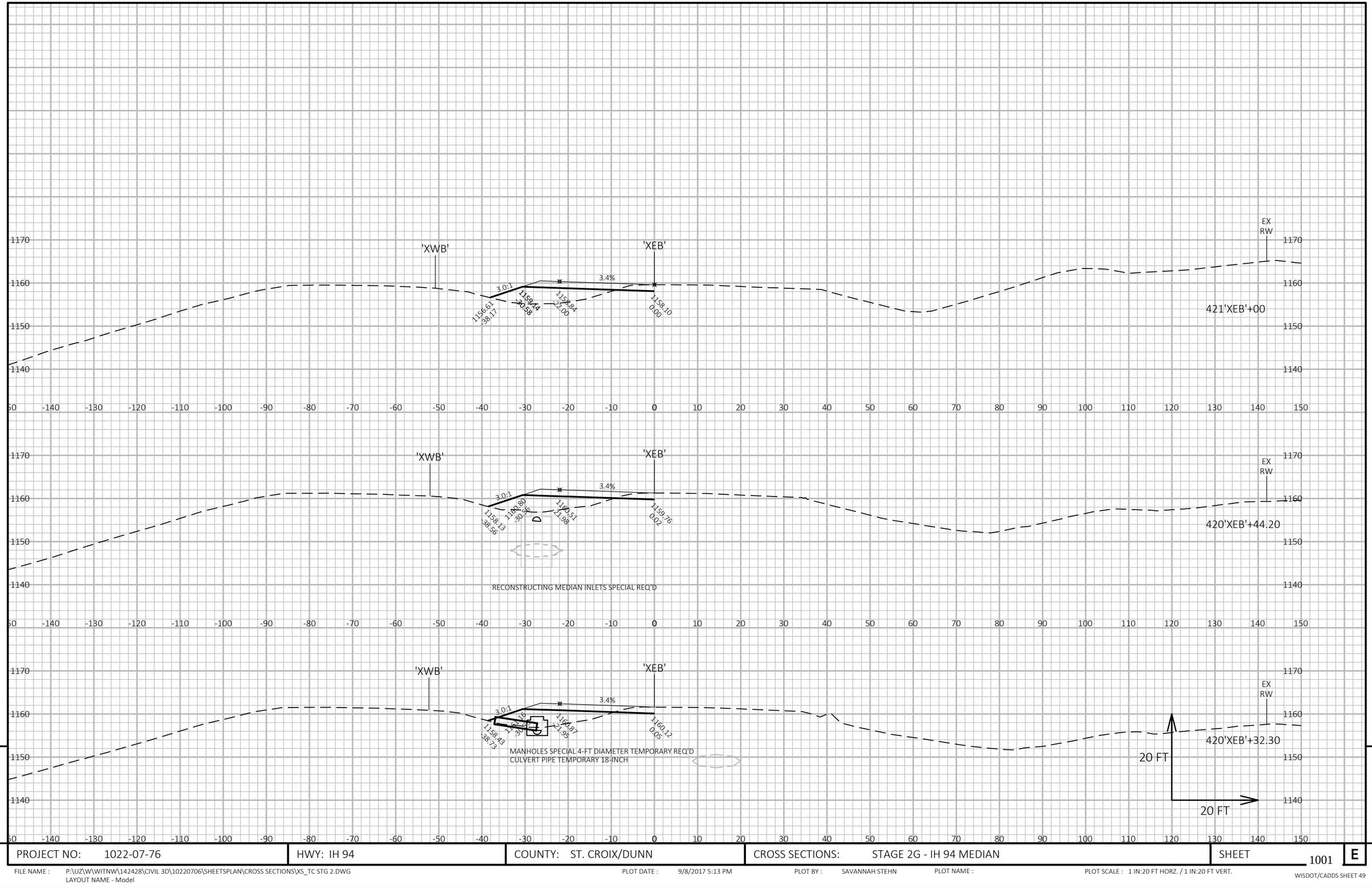


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1000 E

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LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



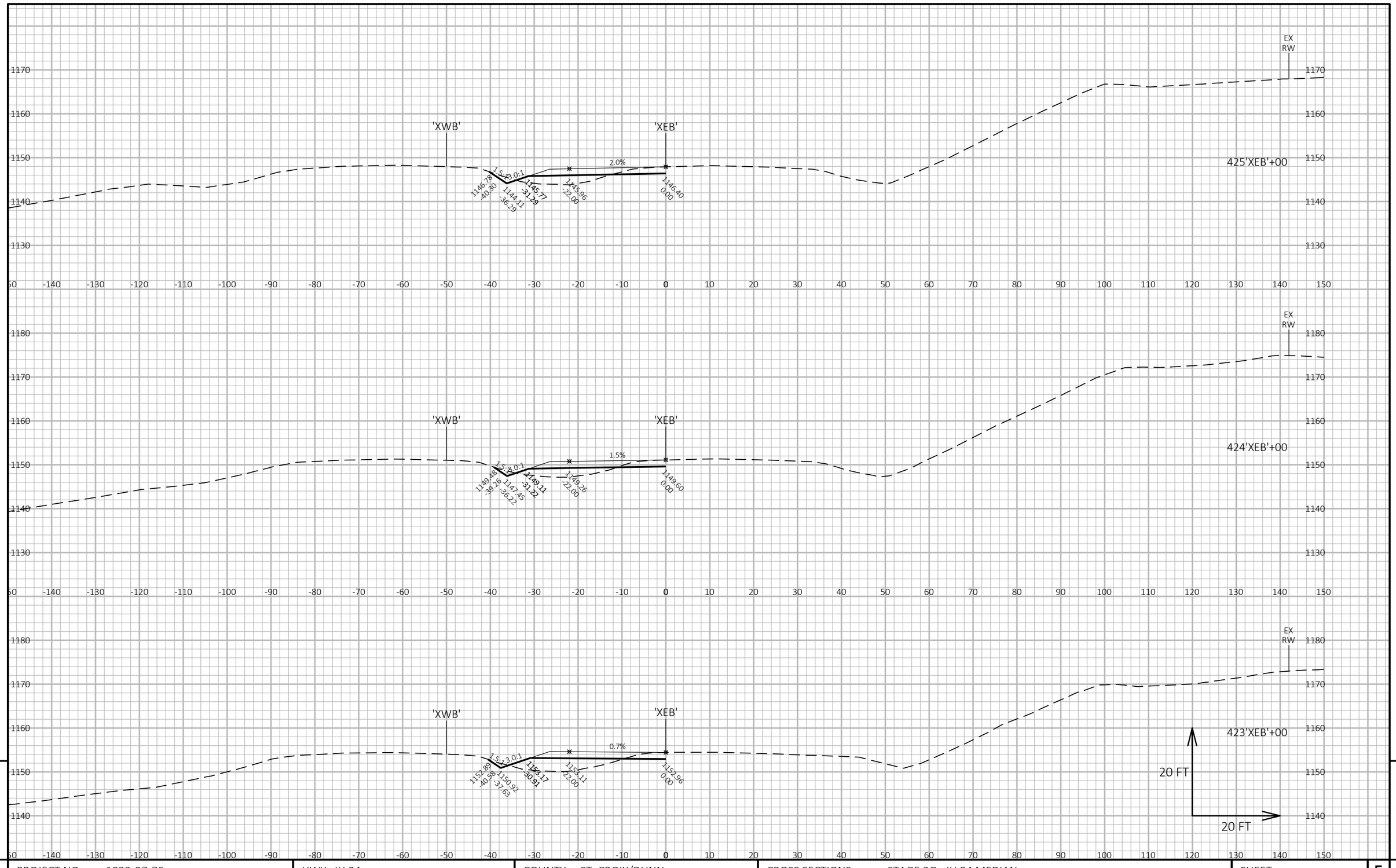
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1001	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



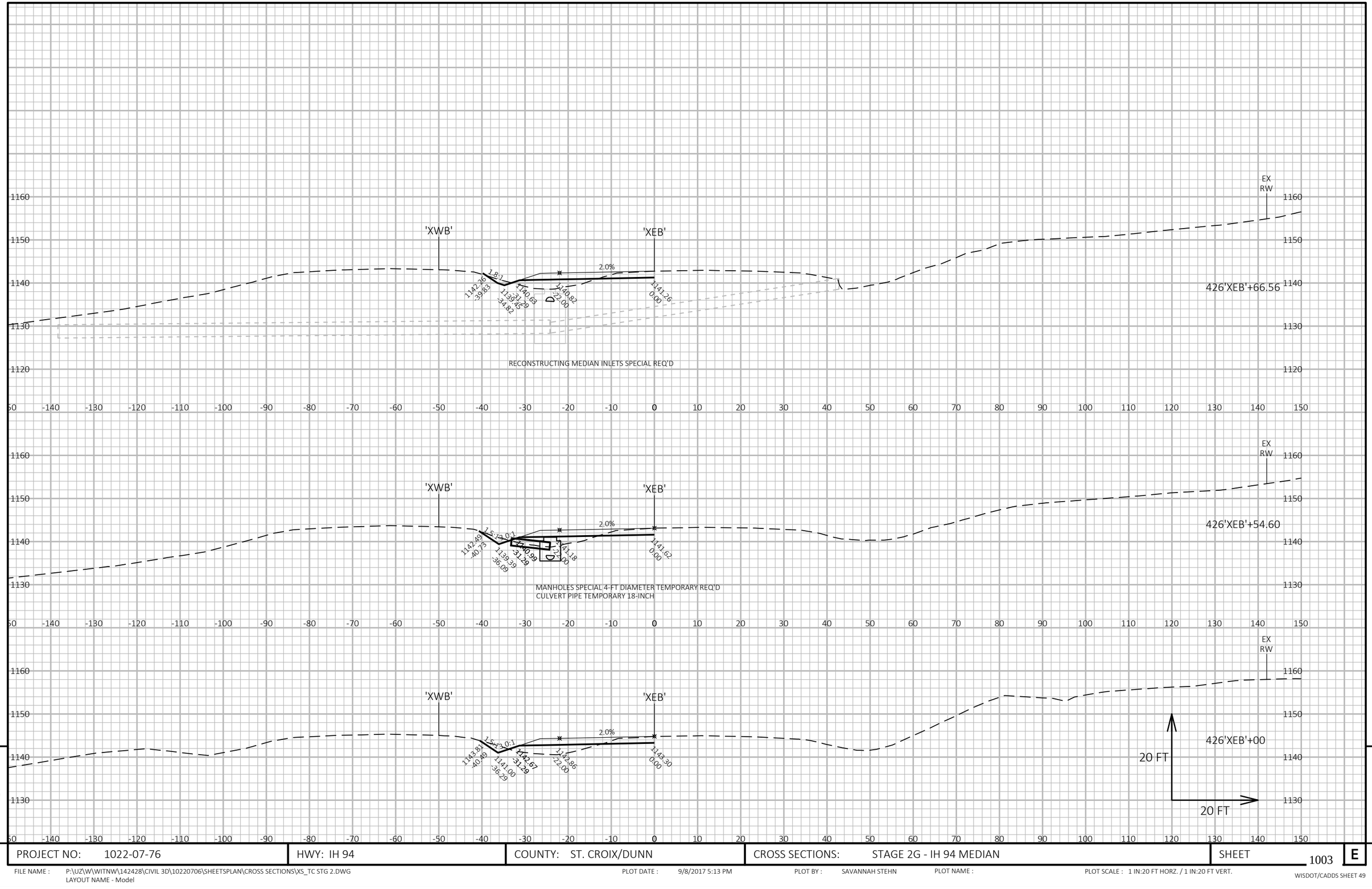
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1002	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

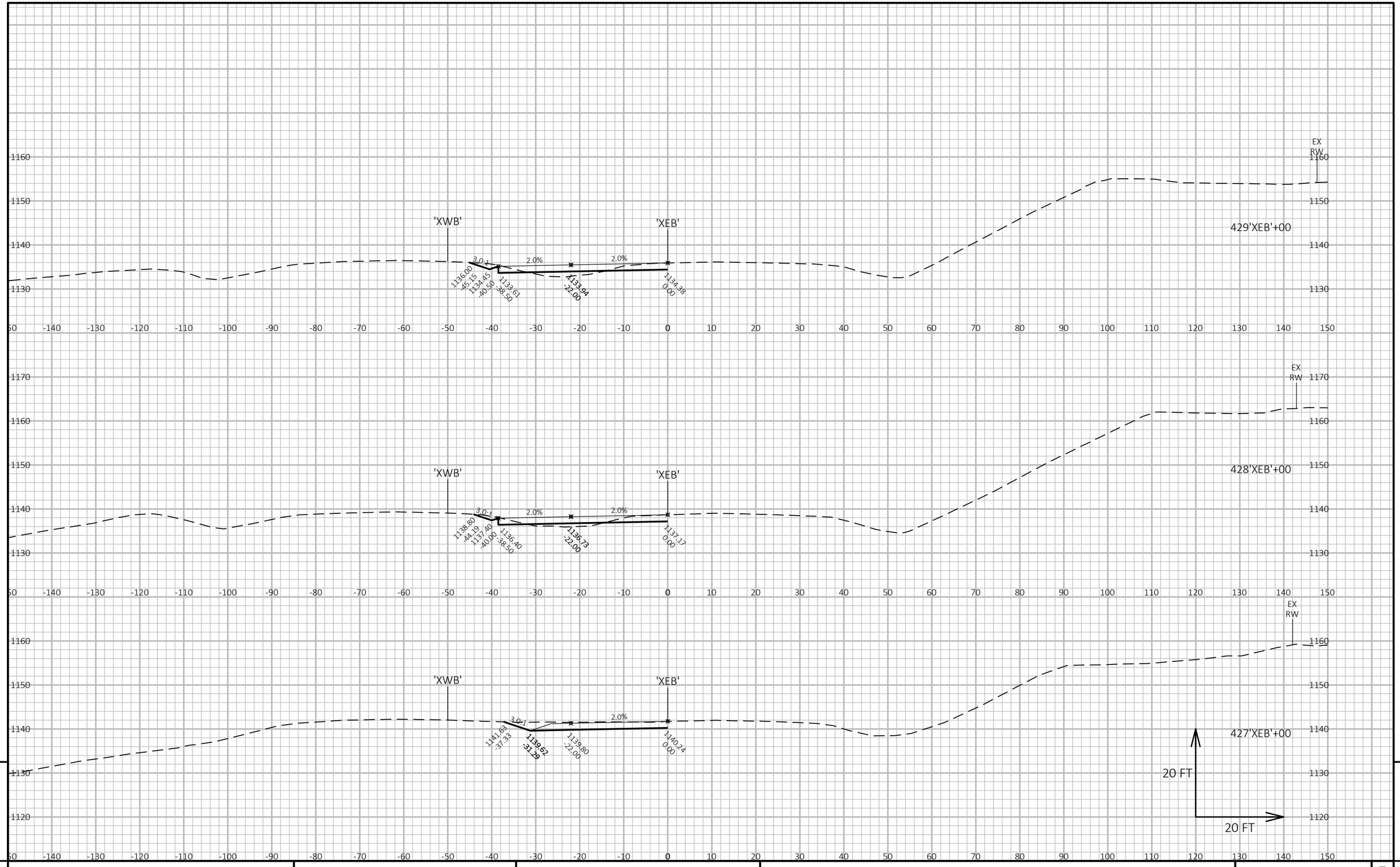


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9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1003	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model
PLOT DATE : 9/8/2017 5:13 PM
PLOT BY : SAVANNAH STEHN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



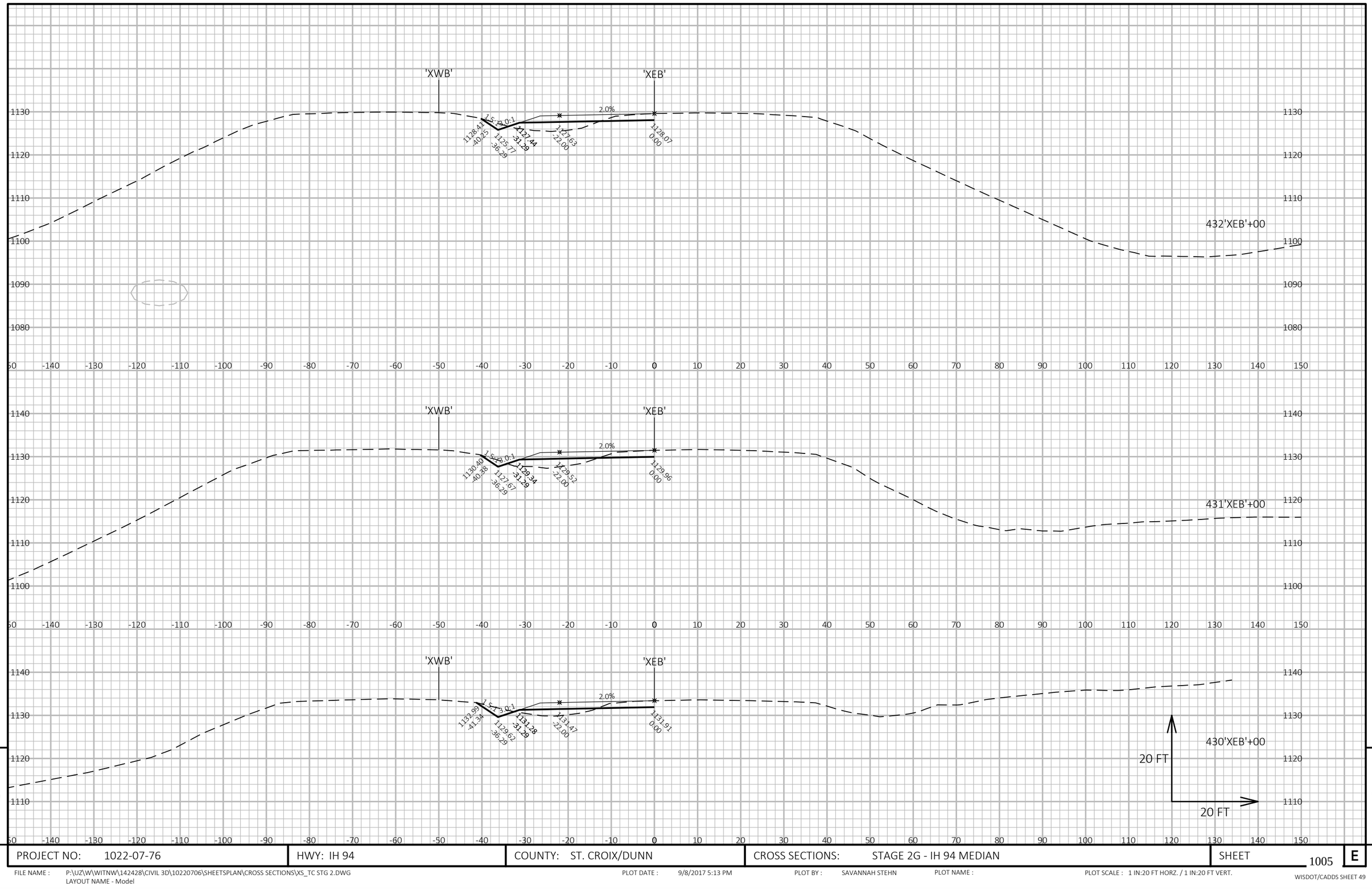
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1004	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



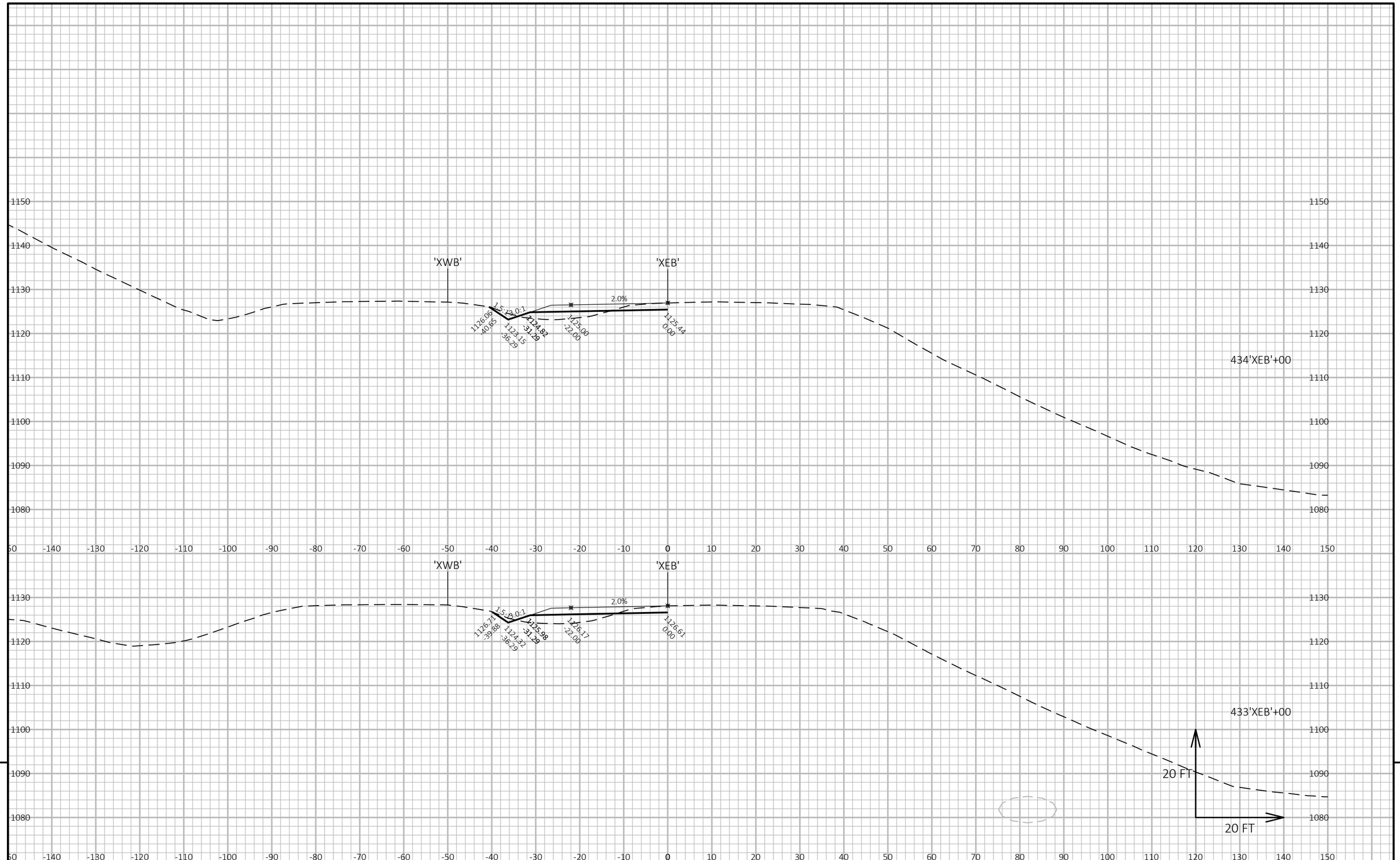
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1005 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

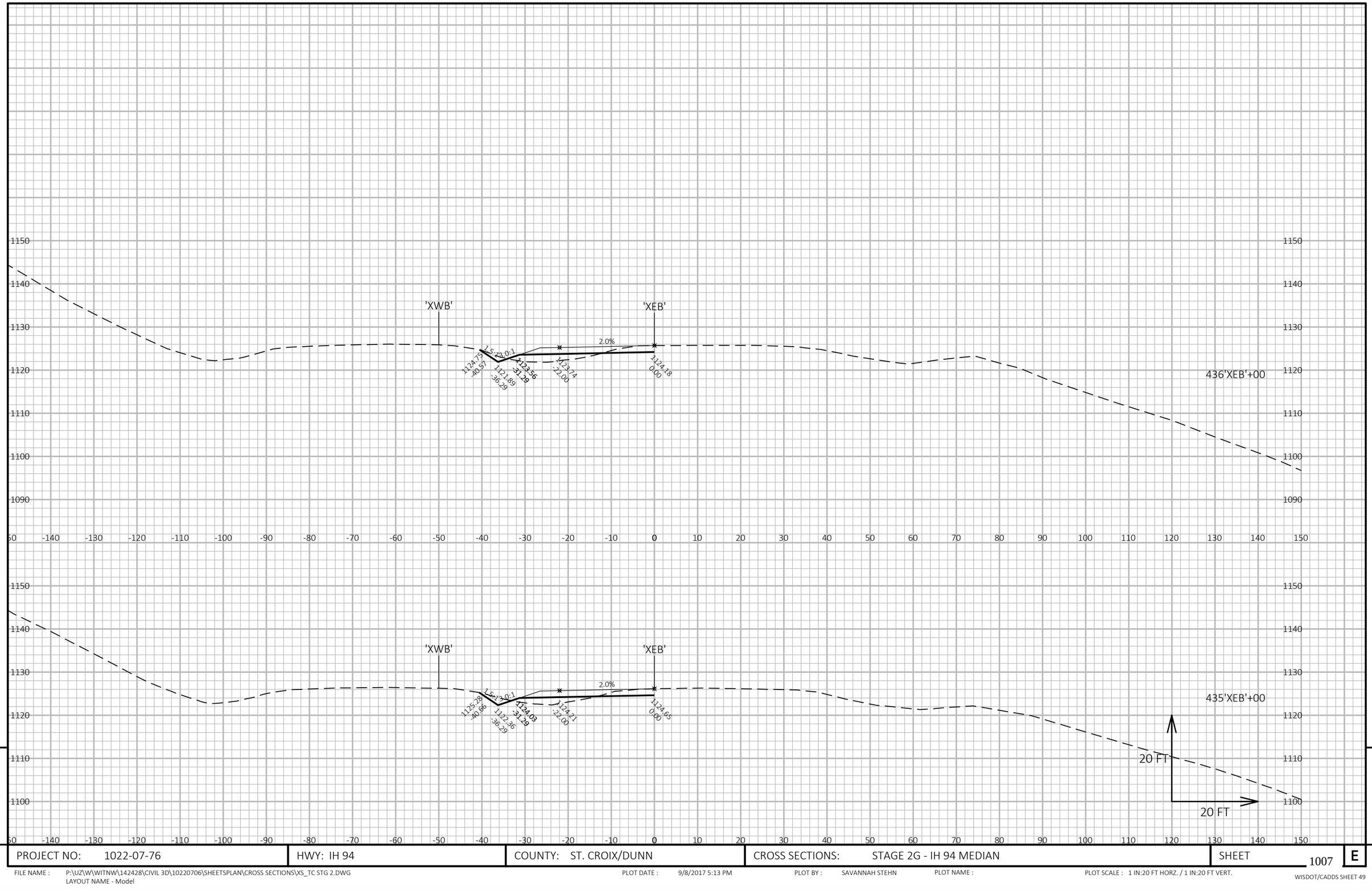


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1006 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1007 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

'XWB'

'XEB'

2.0%

1124.46
-40.43
1121.83
-36.29
1.5%
8.7
1123.49
-31.29
1123.50
-23.00
1123.68
0.00
1124.12
0.00

MANHOLES SPECIAL 4-FT DIAMETER TEMPORARY REQ'D
CULVERT PIPE TEMPORARY 18-INCH

437'XEB'+10.05

'XWB'

'XEB'

2.0%

1124.46
-40.43
1121.83
-36.29
1.5%
8.7
1123.49
-31.29
1123.50
-23.00
1123.68
0.00
1124.12
0.00

RECONSTRUCTING MEDIAN INLETS SPECIAL REQ'D

437'XEB'+00

20 FT

20 FT

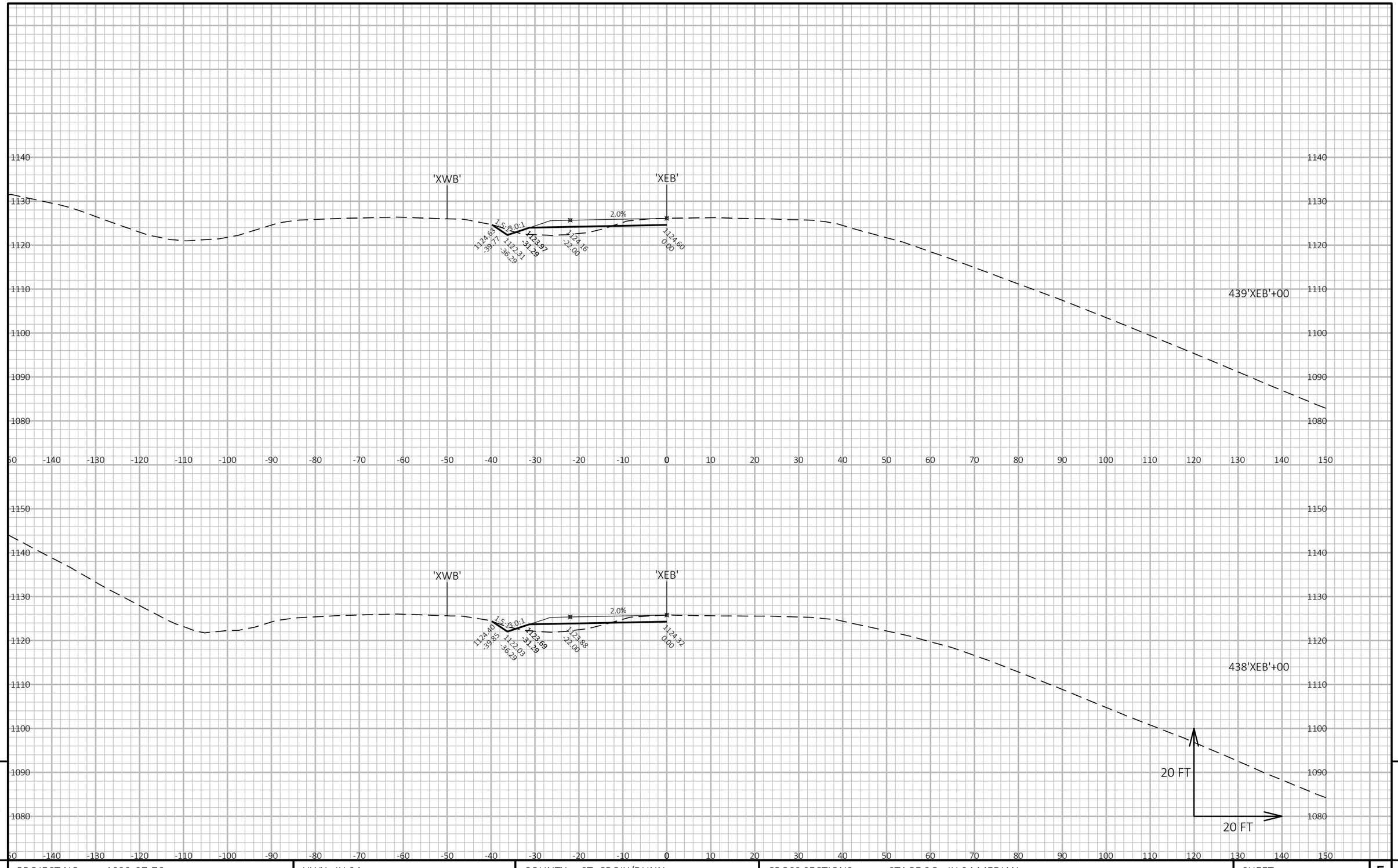
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9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1008	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



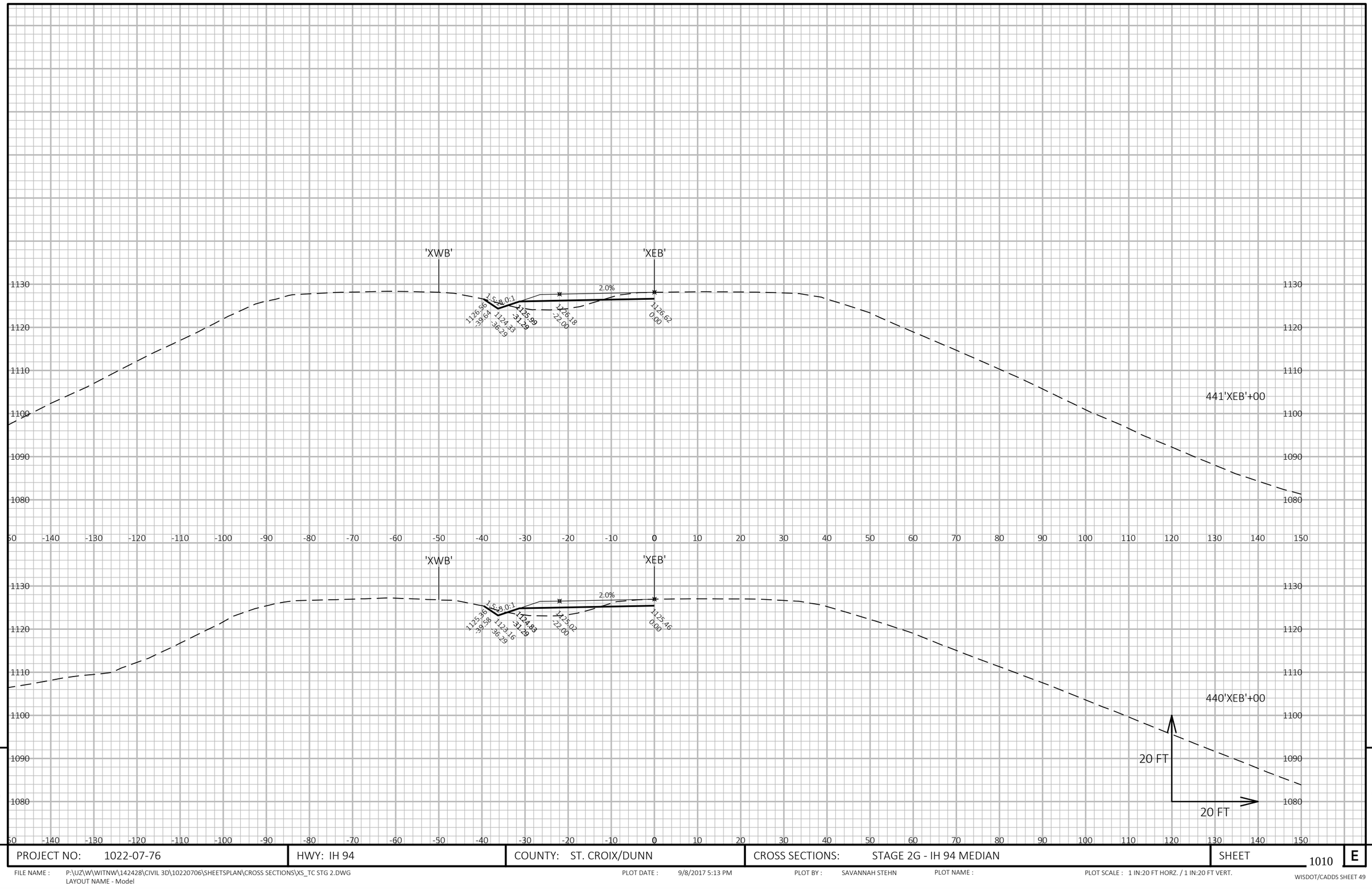
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1009	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



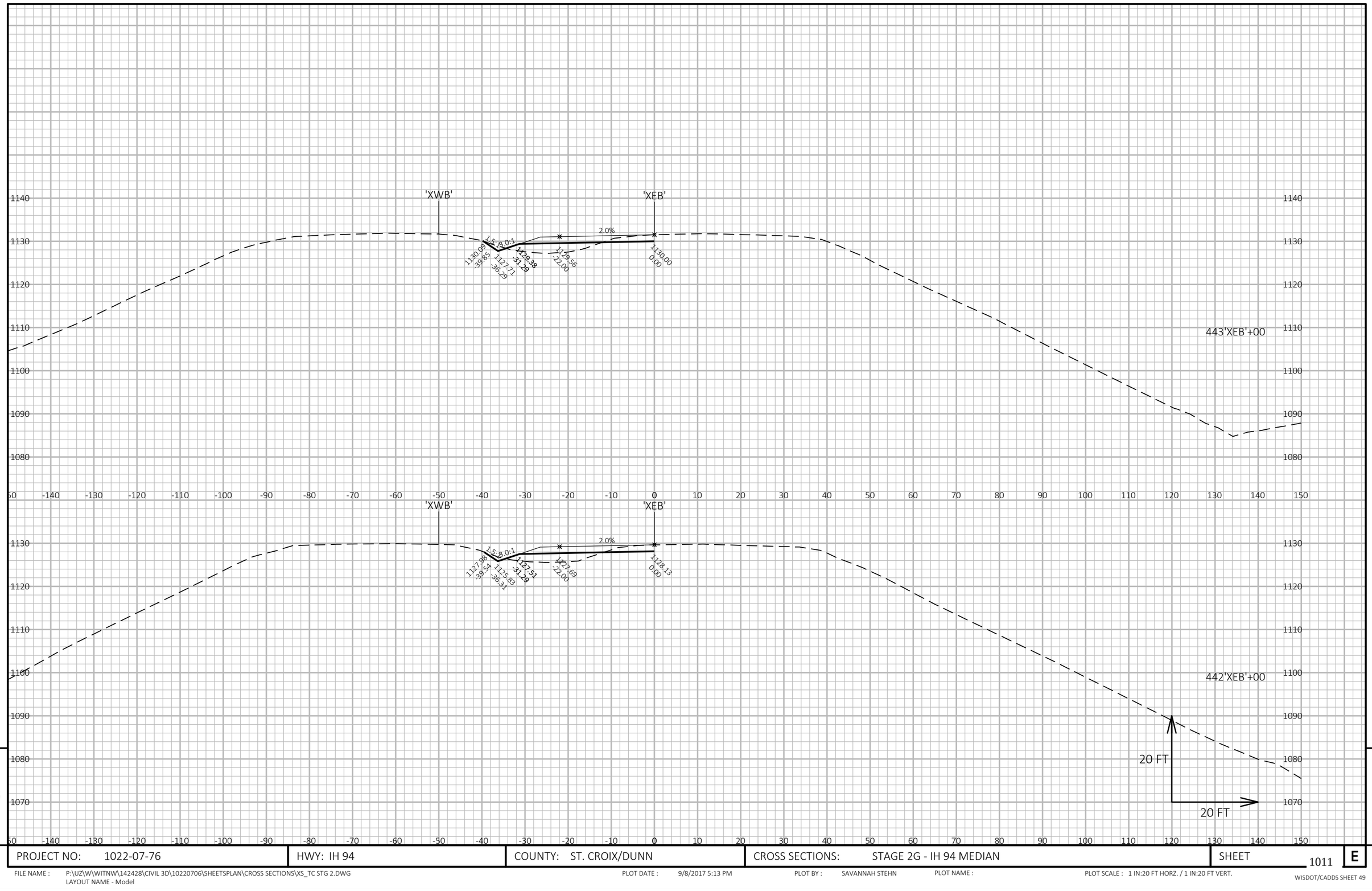
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1010	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



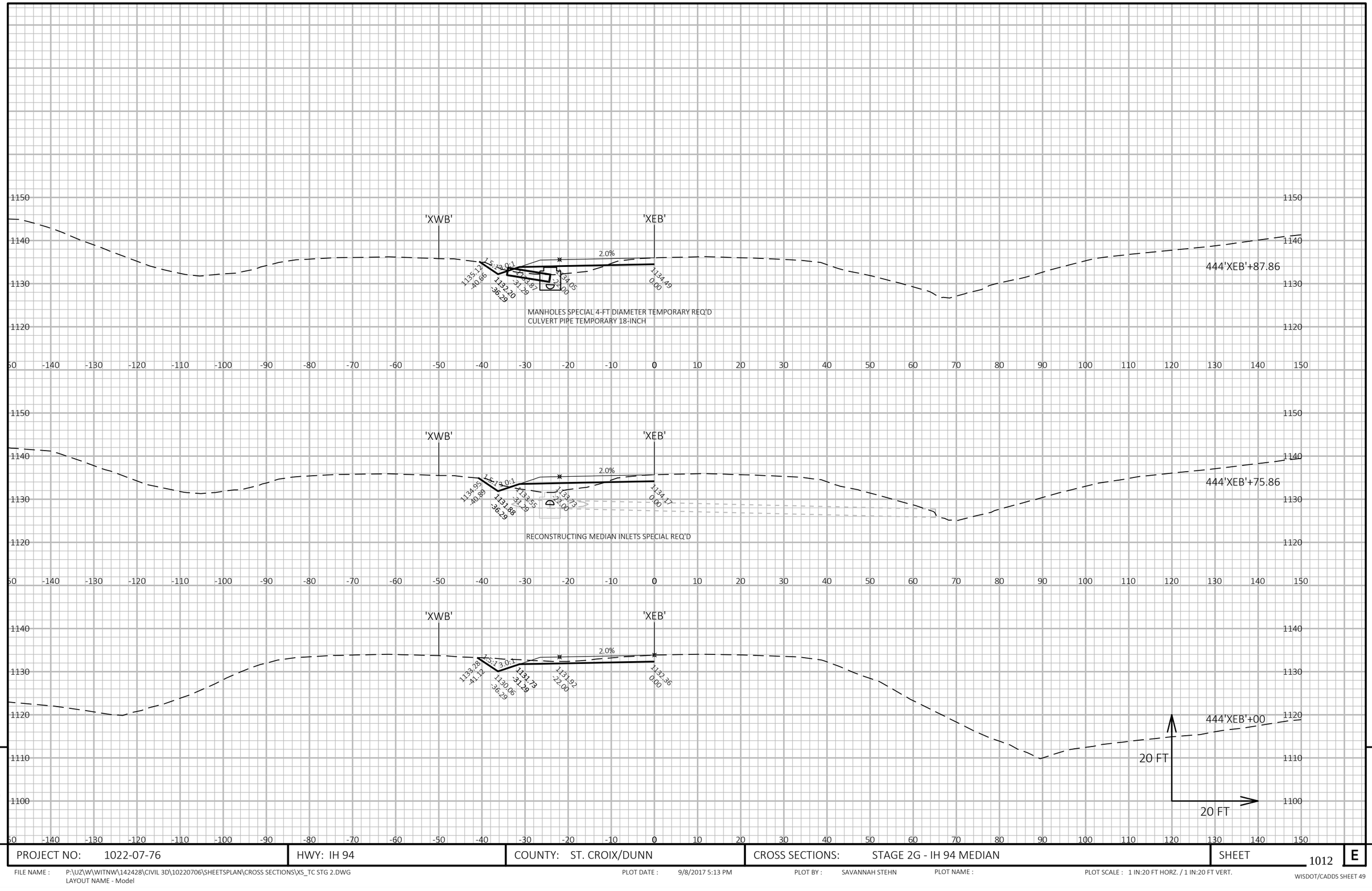
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1011	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

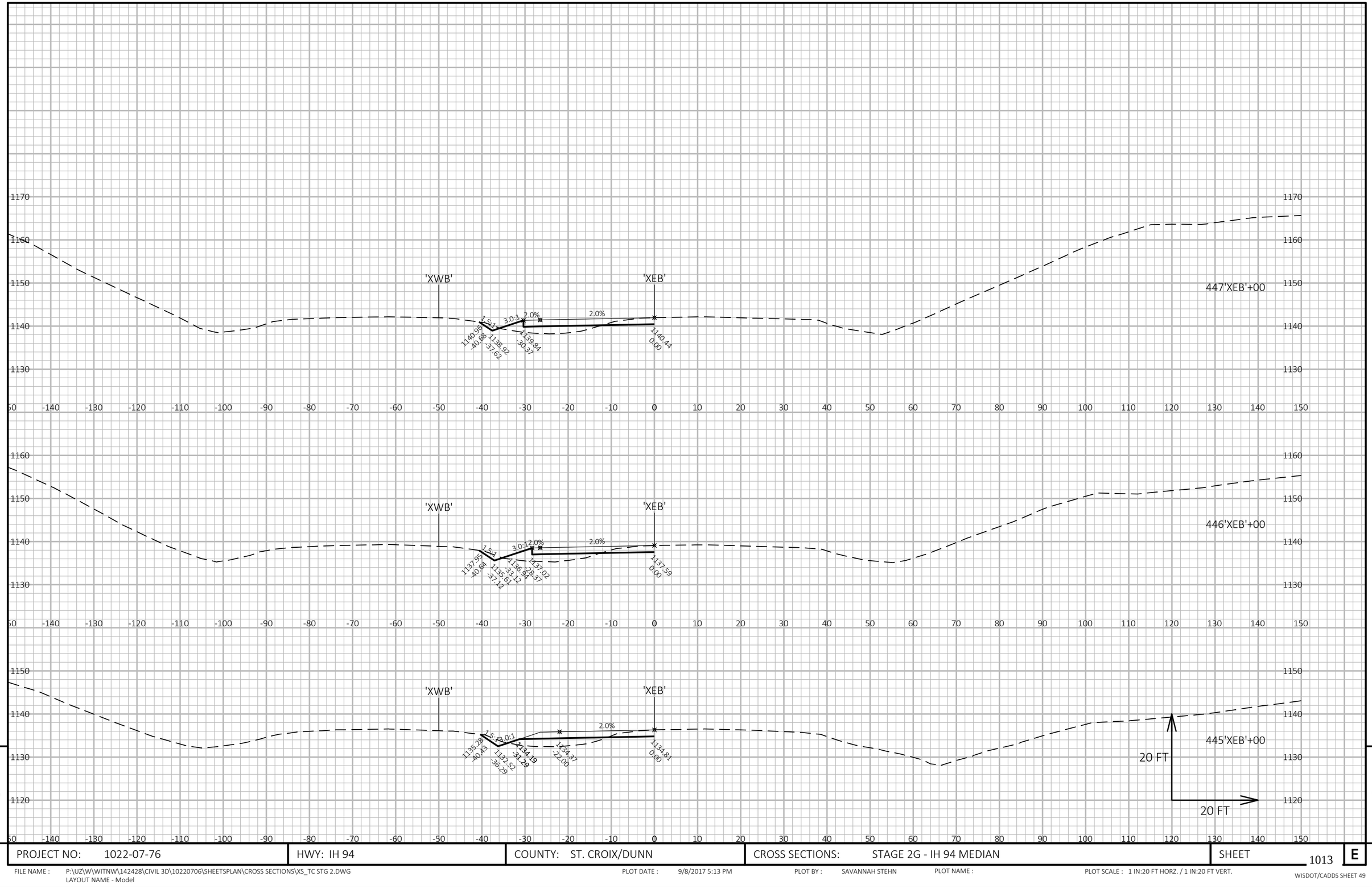
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1012	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



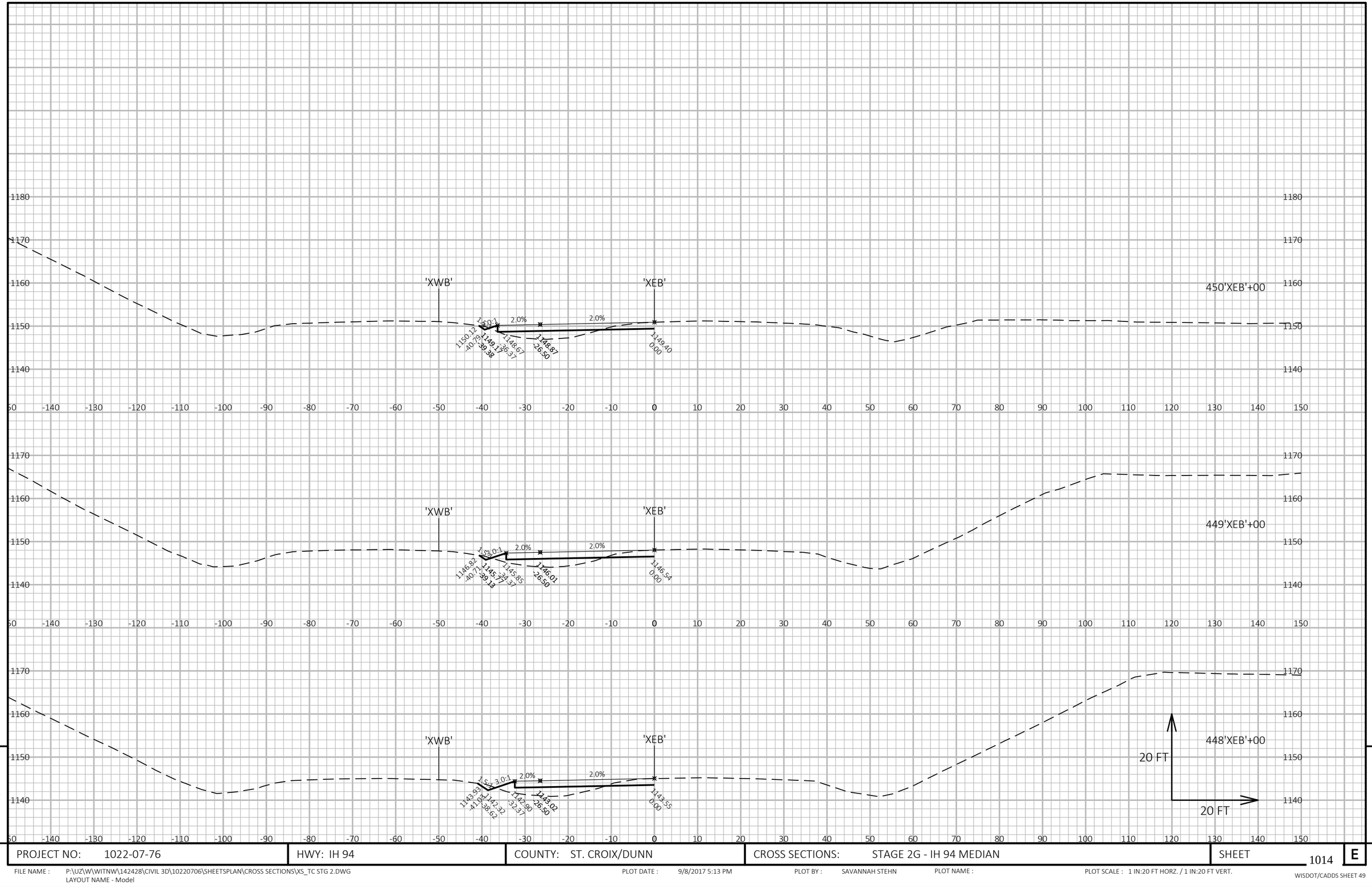
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1013	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



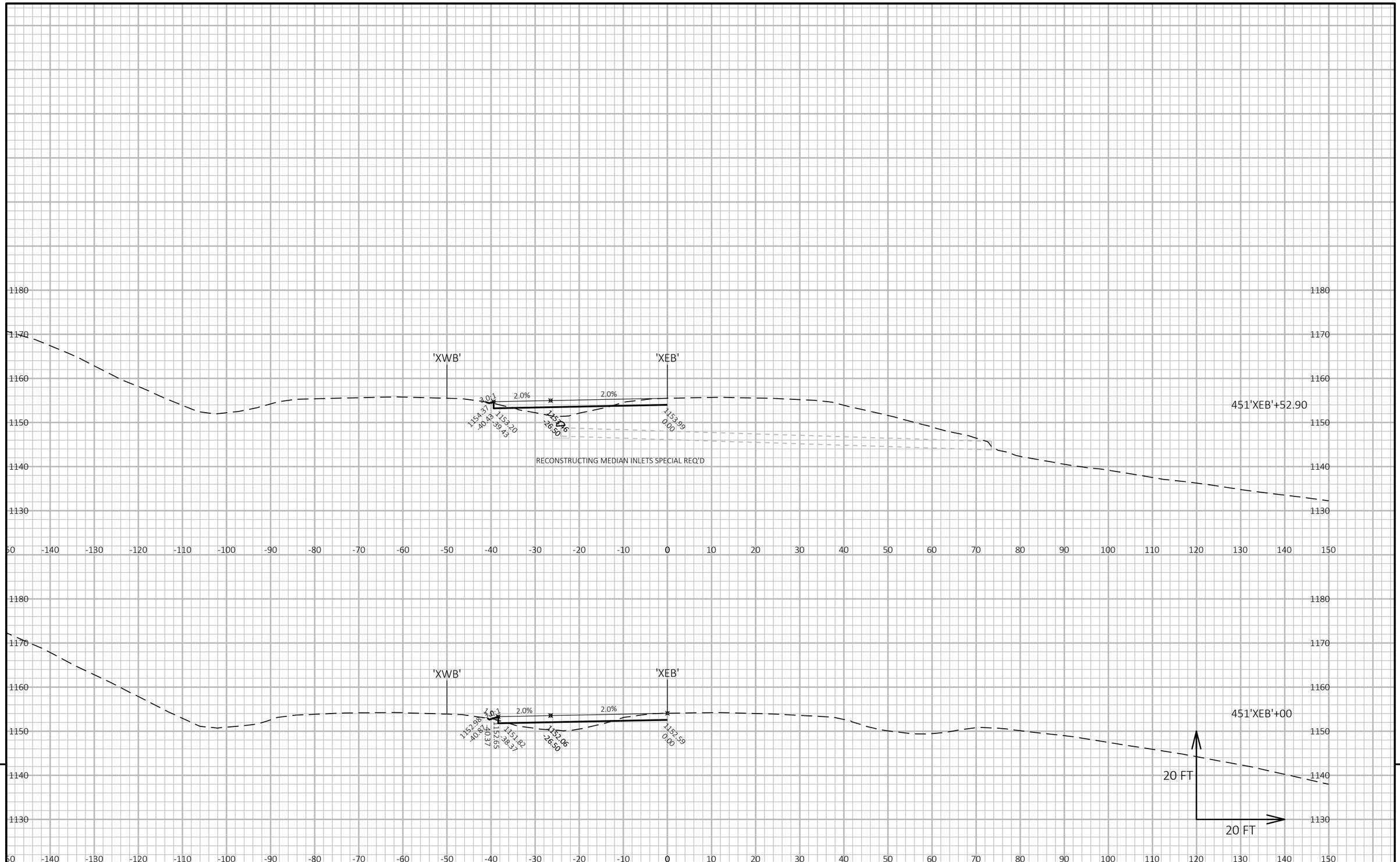
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1014	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

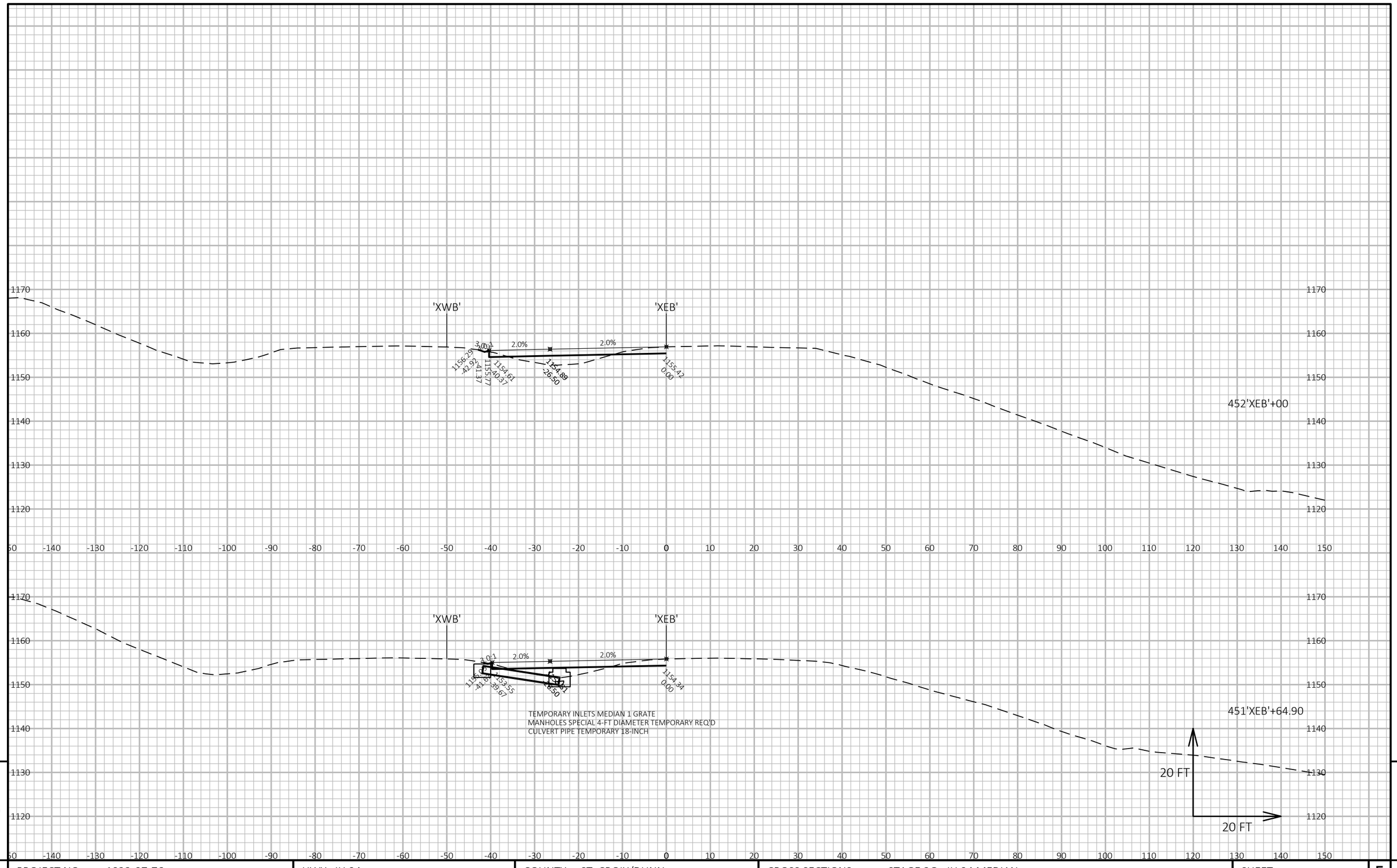


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1015 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

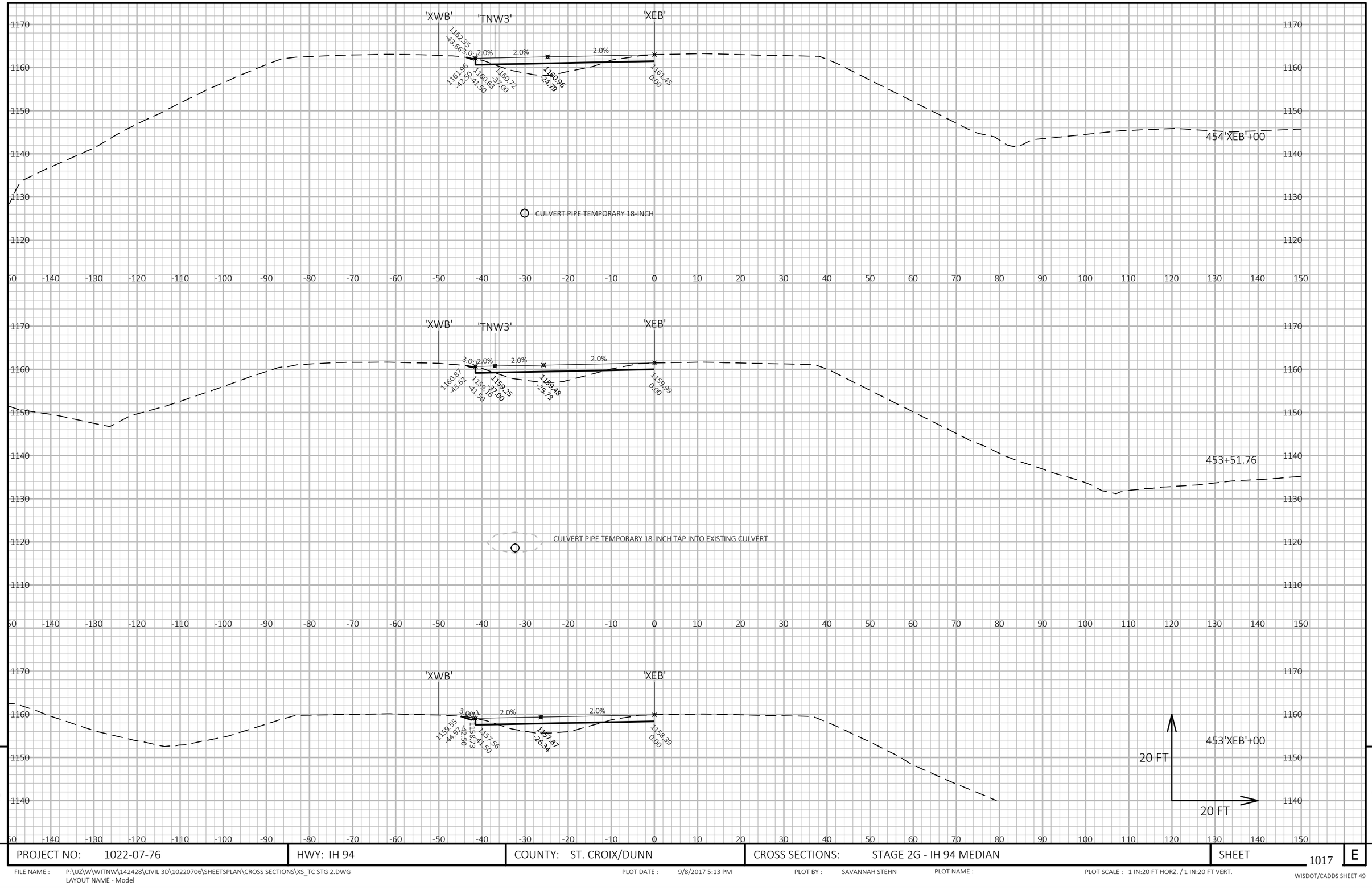
WISDOT/CADDS SHEET 49



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1016 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1017	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

'XWB' 'TNW3' 'XEB'

1.5% 1.4% 1.3% 3.0:1 2.0%

1168.66 -45.93 | 1168.59 -41.40 | 1168.38 -26.31 | 1168.32 -21.78 | 1168.80 -13.74 | 1168.80 0.00

TEMPORARY INLETS MEDIAN 1 GRATE
CULVERT PIPE TEMPORARY 18-INCH

456'XEB'+53.05

'XWB' 'TNW3' 'XEB'

6.0% 0.9% 0.9% 2.1% 2.0%

1168.22 -43.45 | 1166.73 -41.97 | 1166.77 -32.47 | 1166.91 -22.47 | 1167.02 -17.41 | 1167.37 0.00

CULVERT PIPE TEMPORARY 18-INCH

456'XEB'+00

'XWB' 'TNW3' 'XEB'

1169.46 -44.13 | 3.0:1 | 2.0% 2.0% 3.6% 2.0%

1164.92 -42.50 | 1163.59 -41.50 | 1163.68 -27.00 | 1163.98 -22.00 | 1164.42 0.00

CULVERT PIPE TEMPORARY 18-INCH

455'XEB'+00

20 FT

20 FT

9

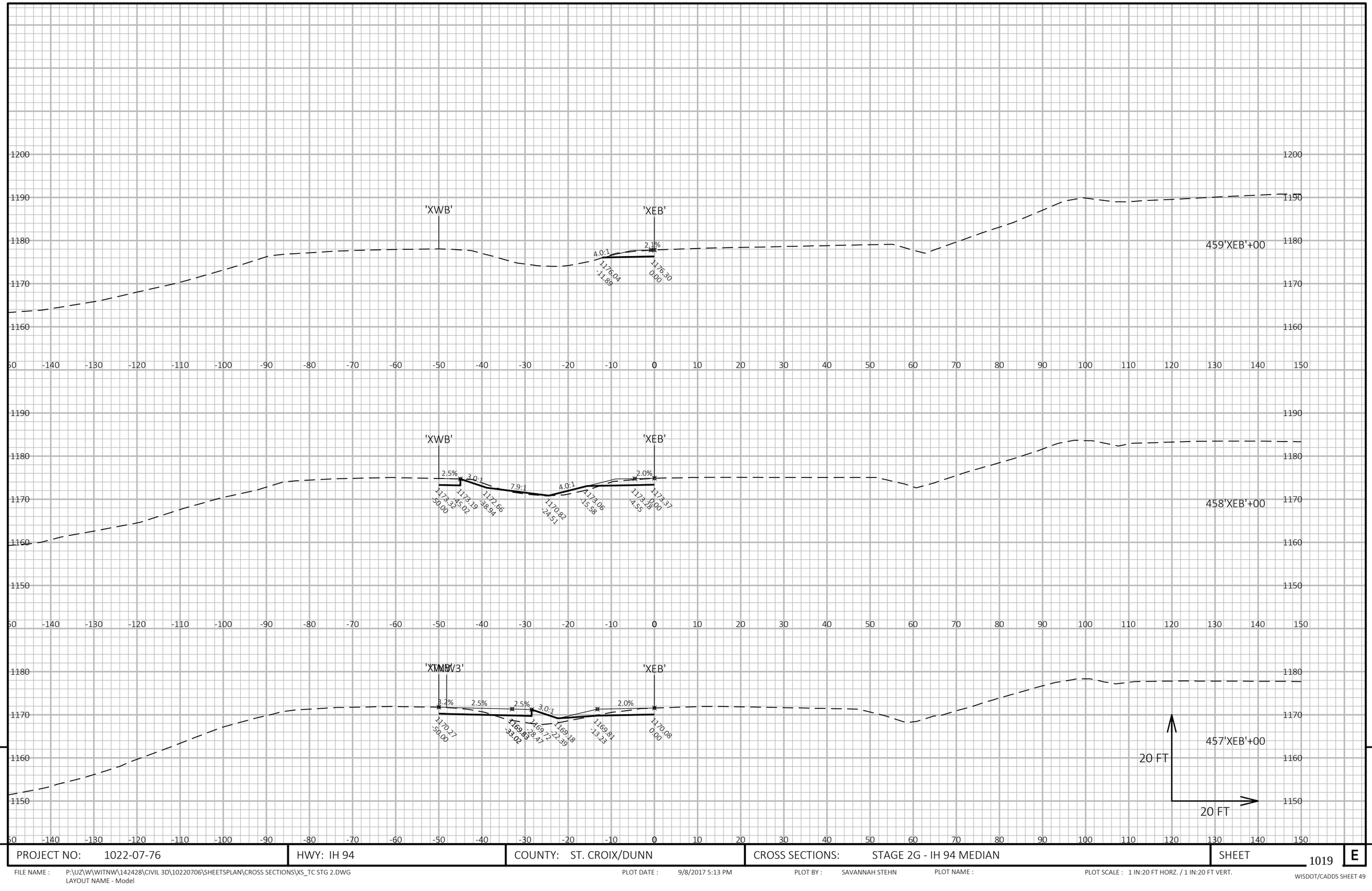
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1018	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

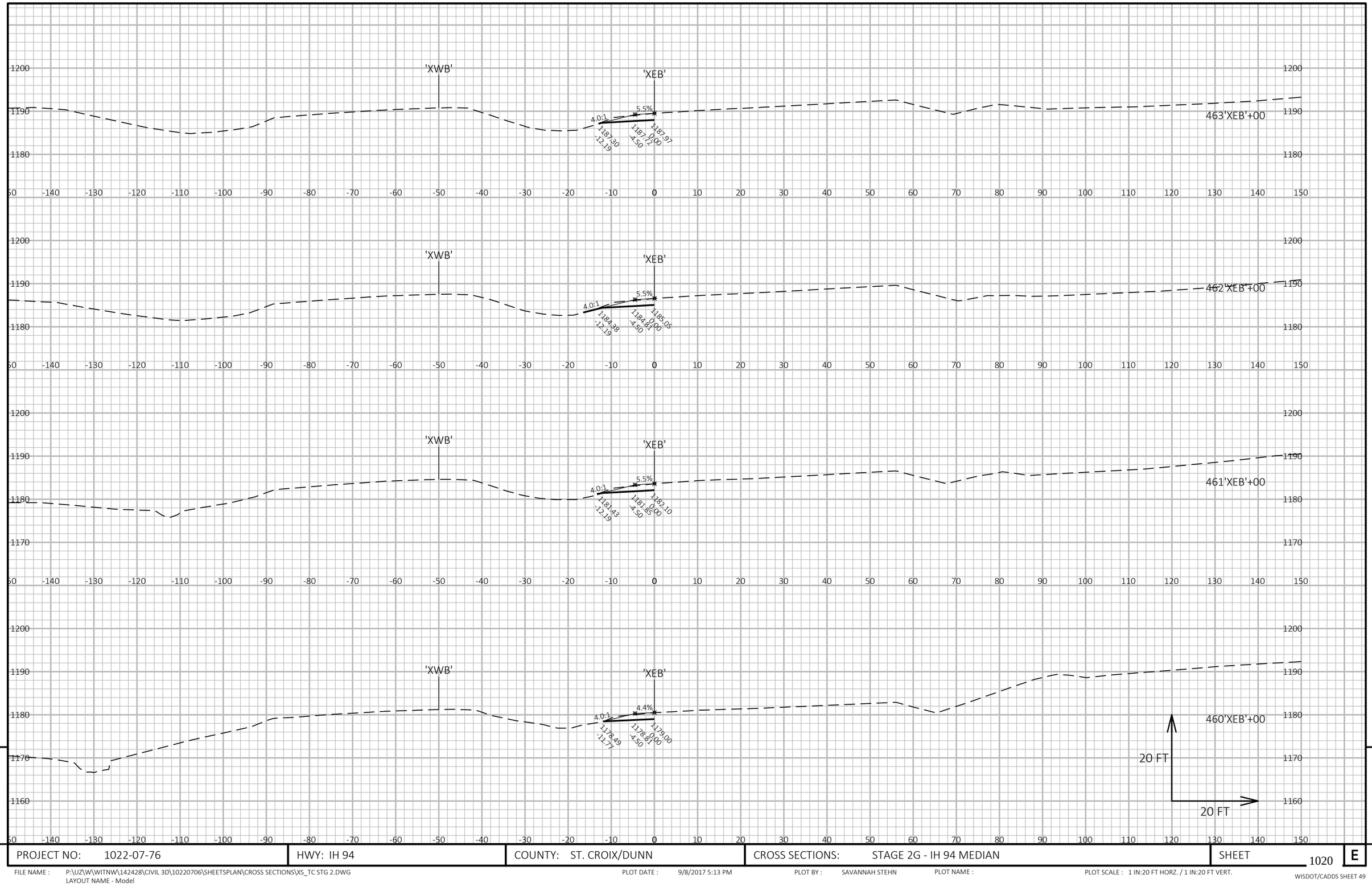


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1019 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

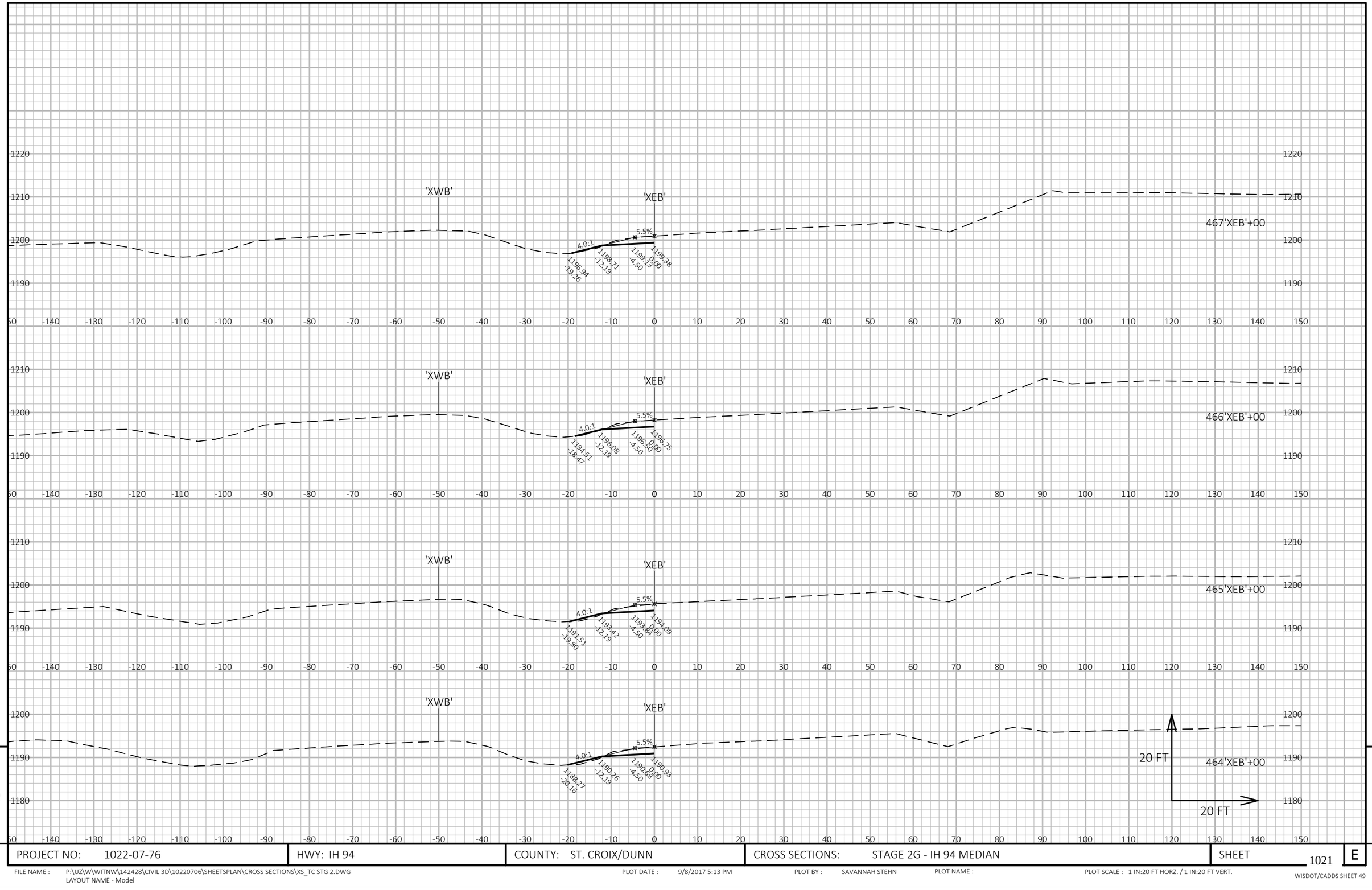
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1020	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



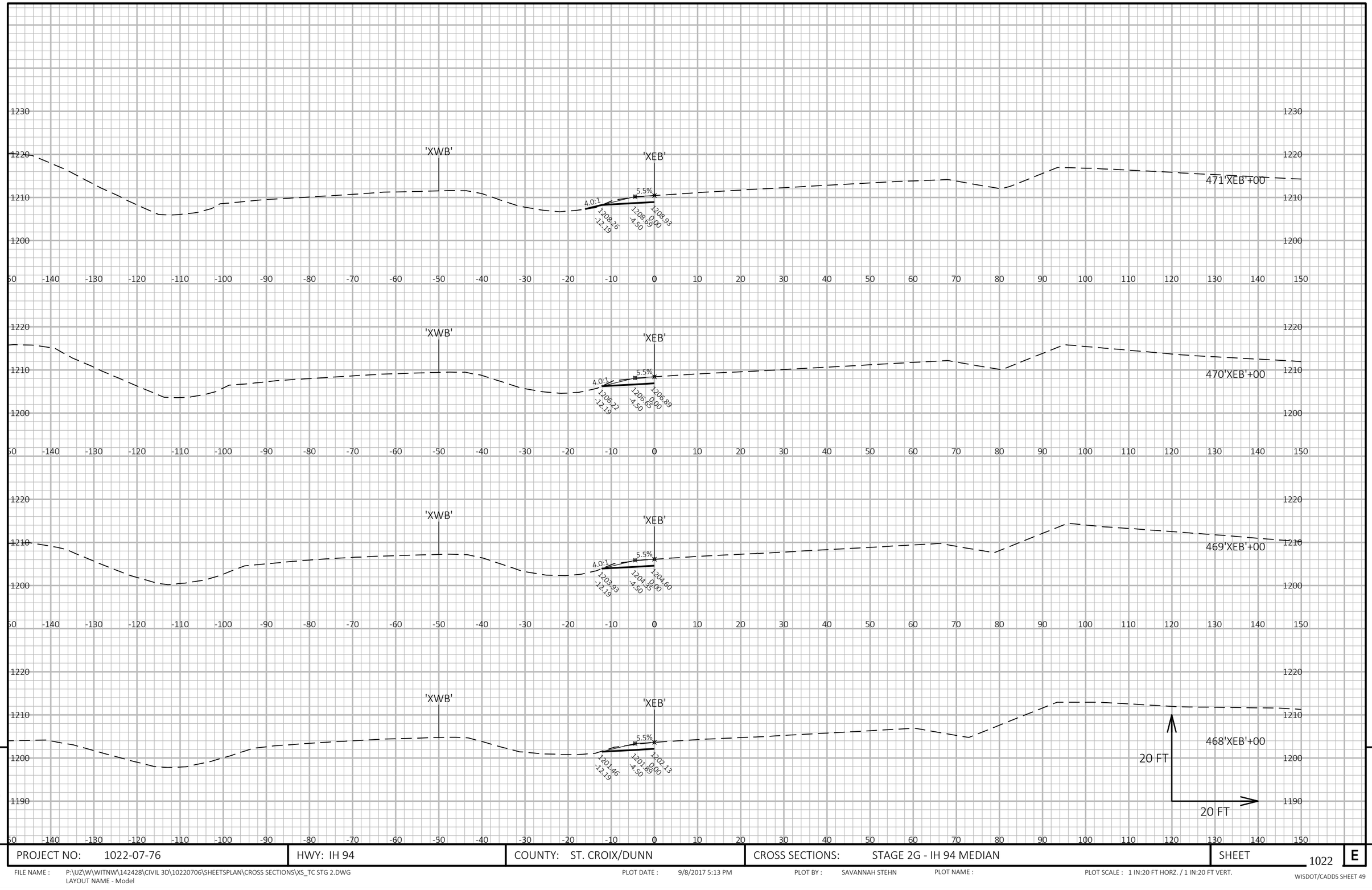
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1021	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



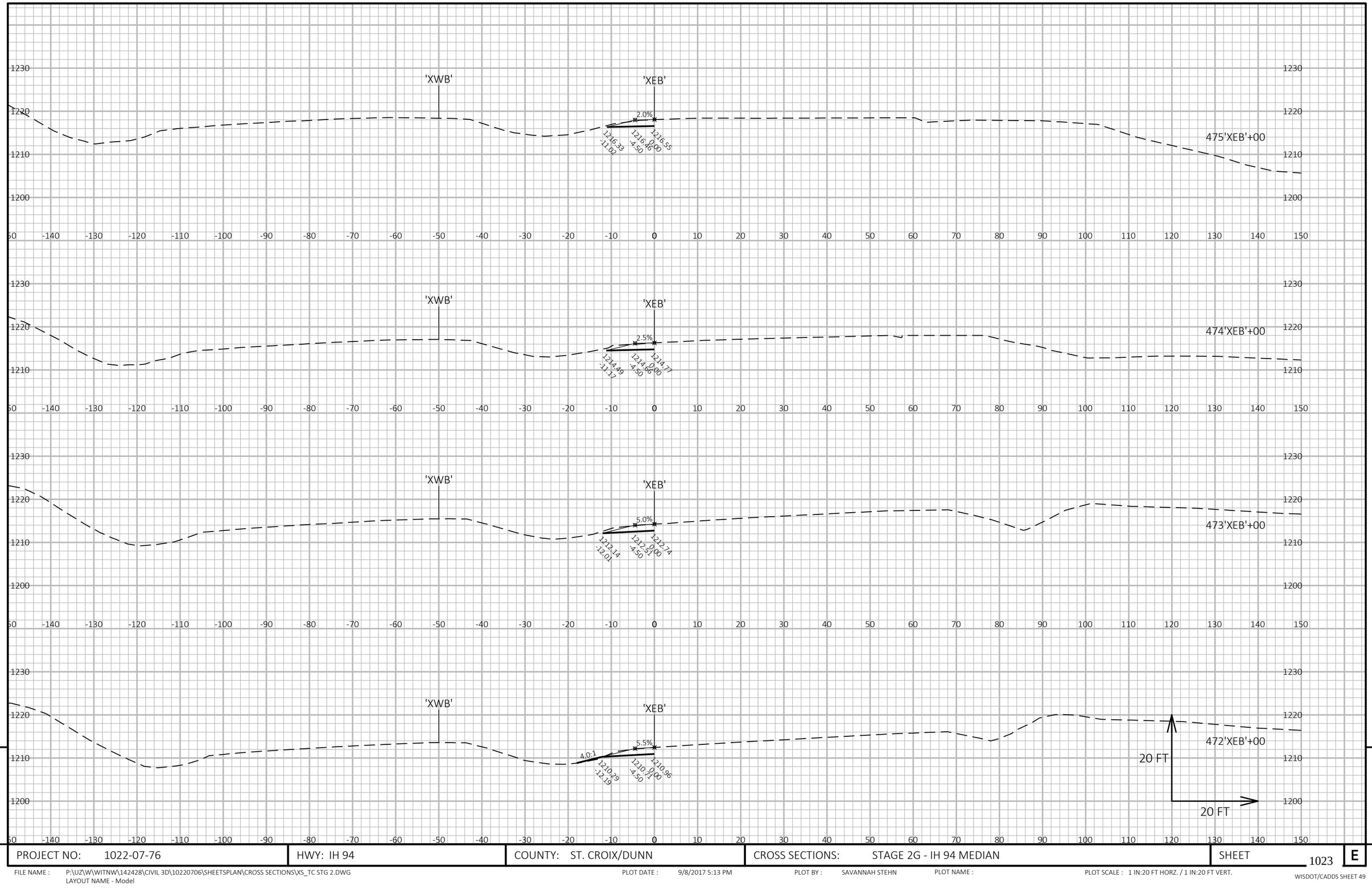
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1022	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



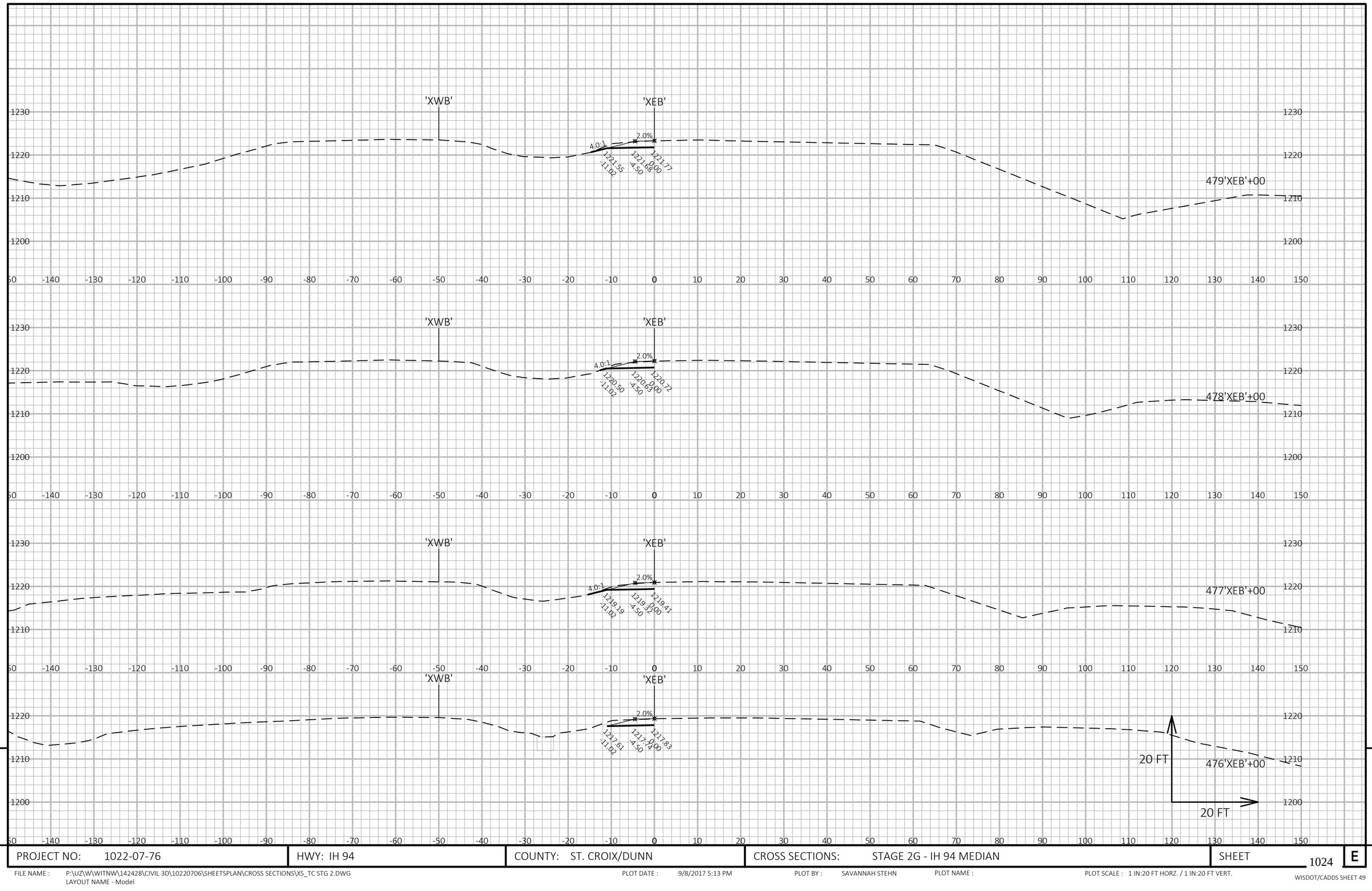
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1023	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1024	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

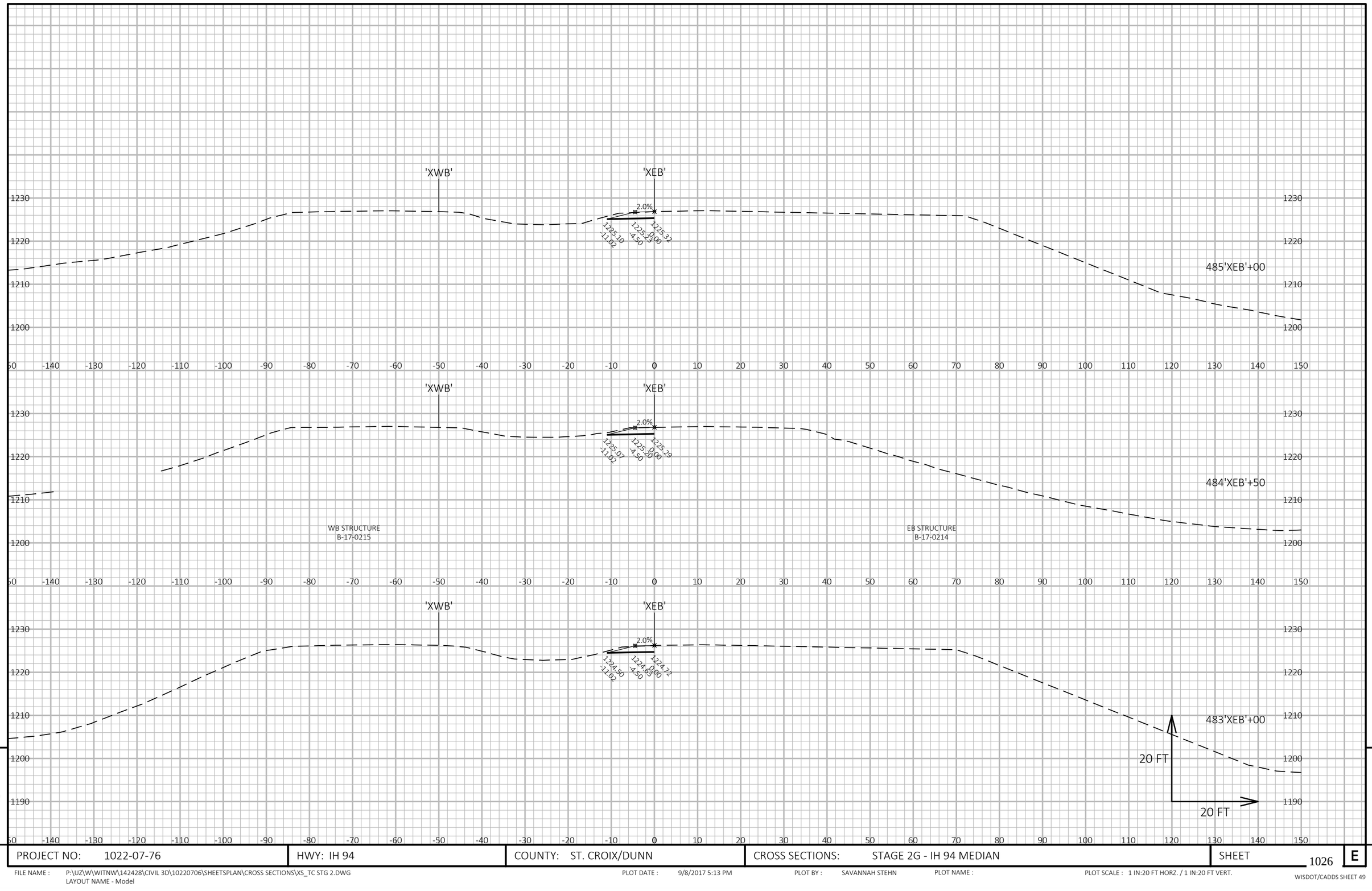
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1025	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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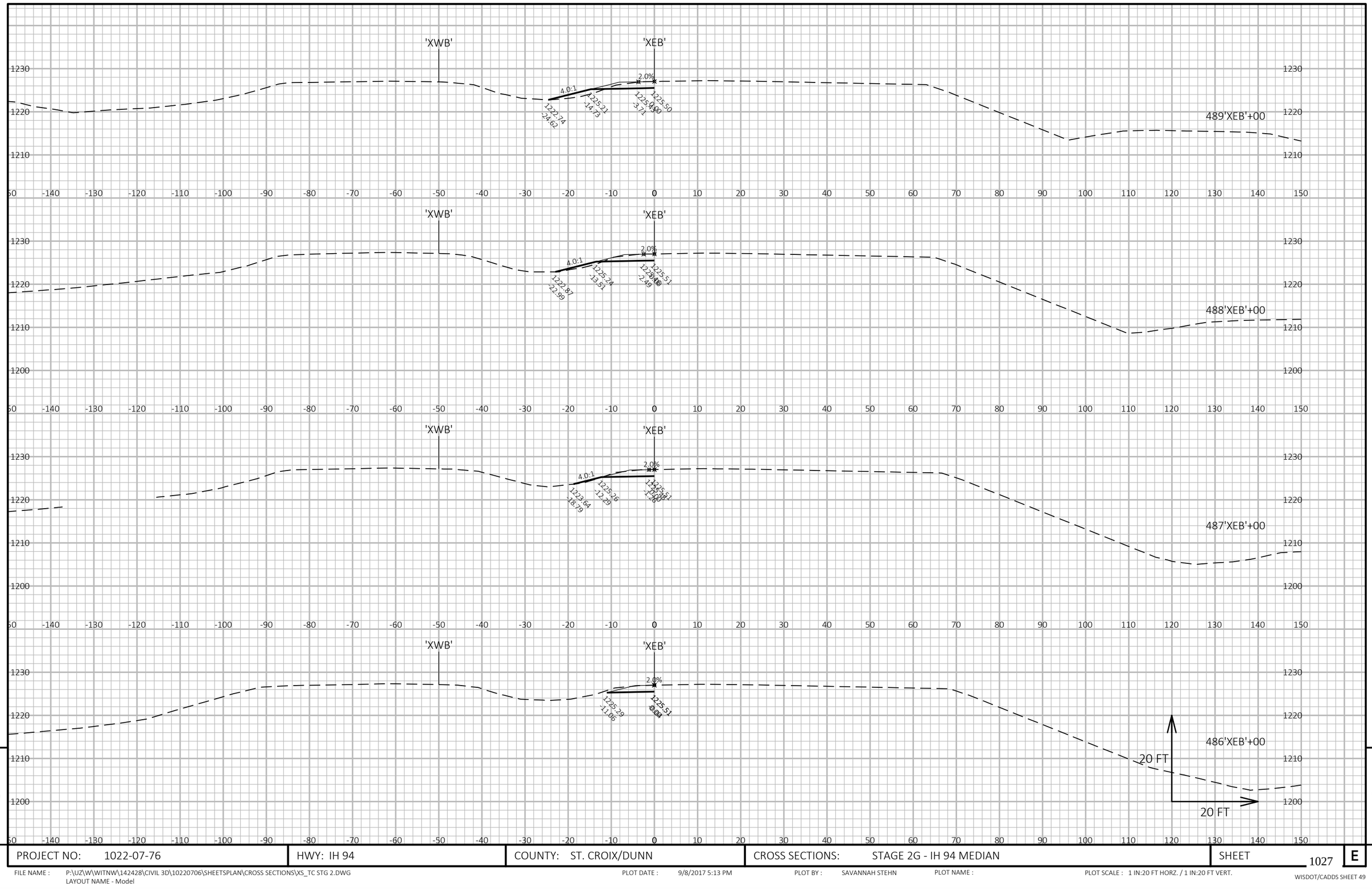
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1026	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



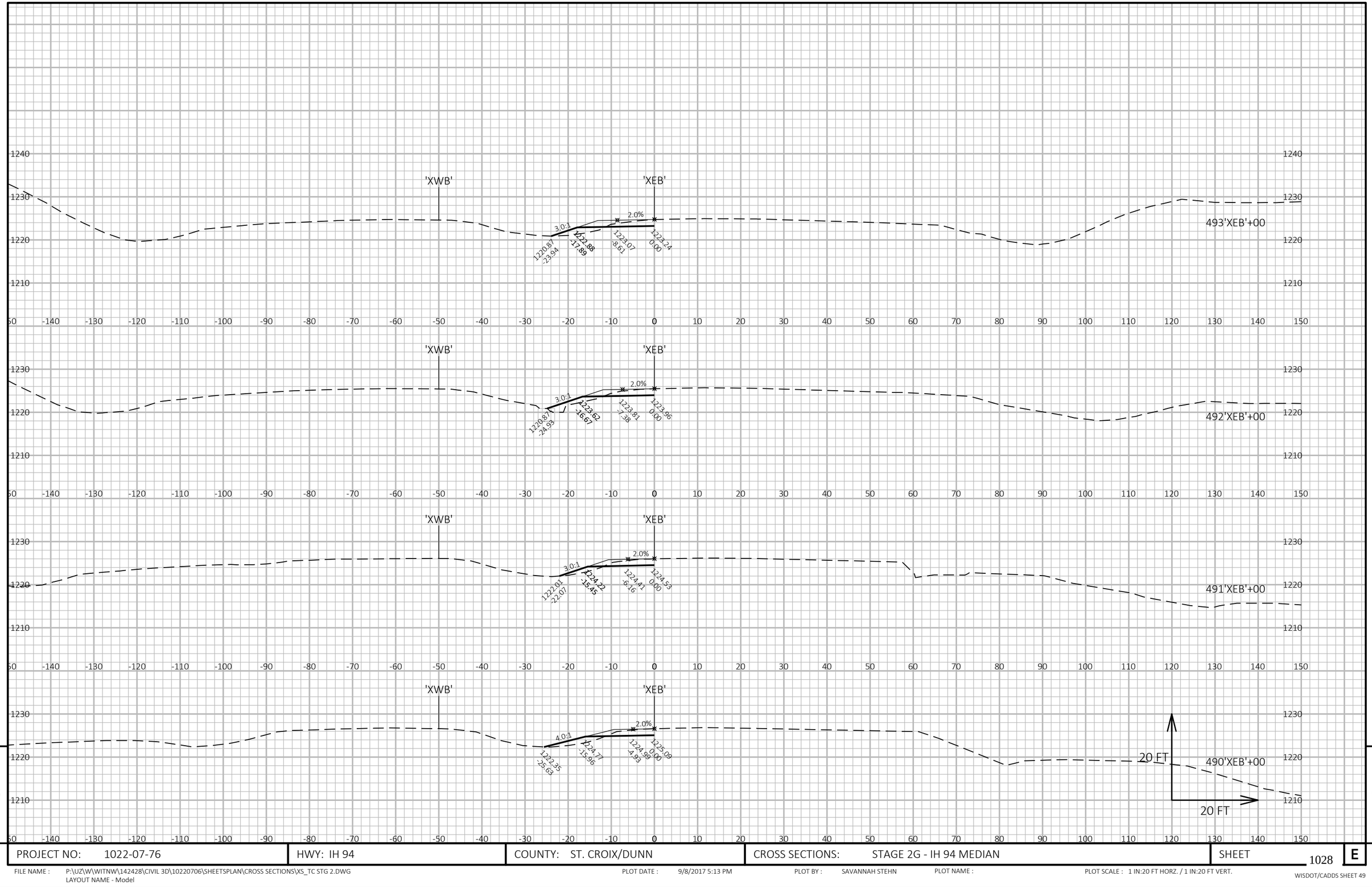
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1027	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



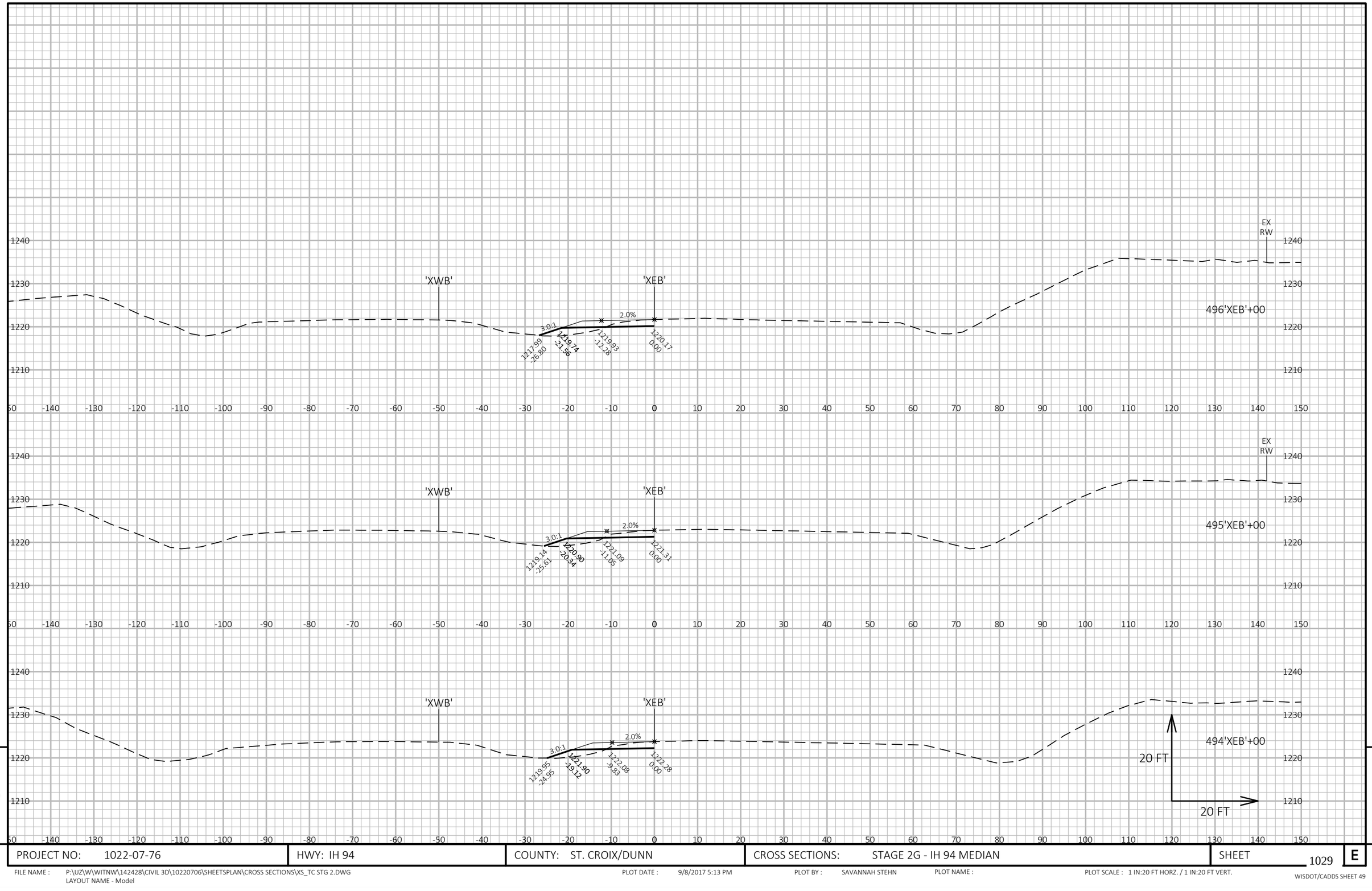
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1028 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

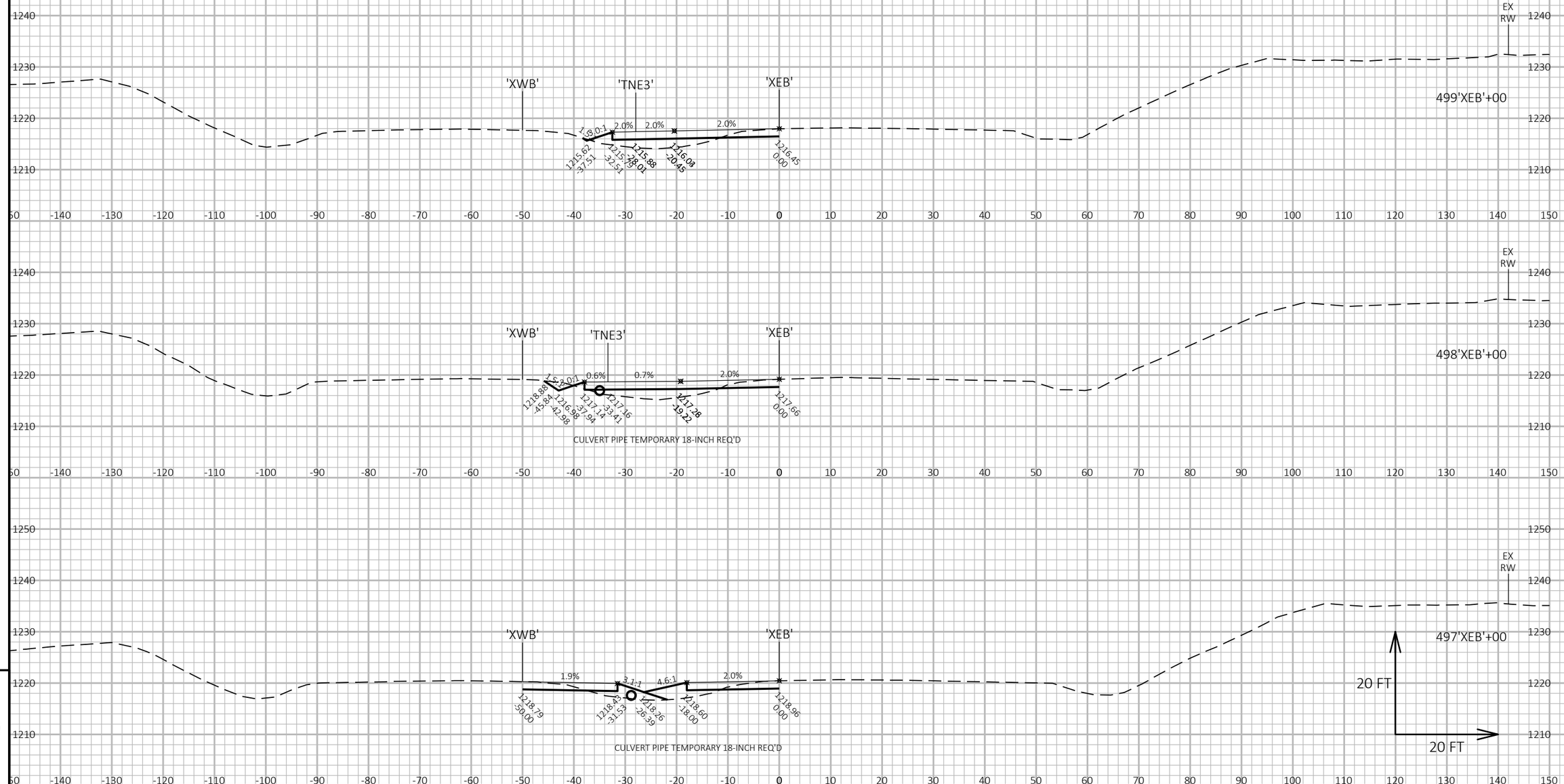
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1029	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

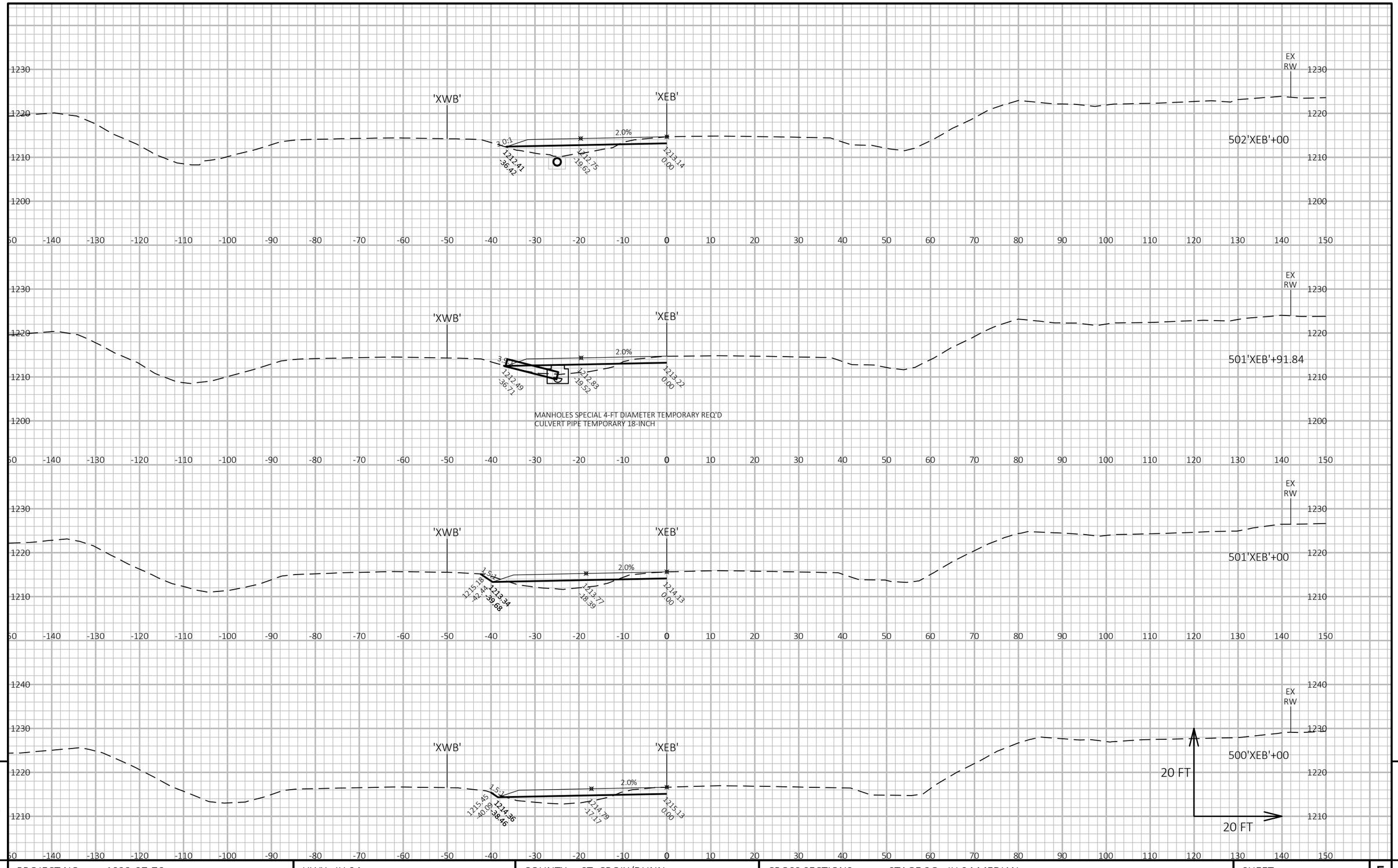


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1030	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

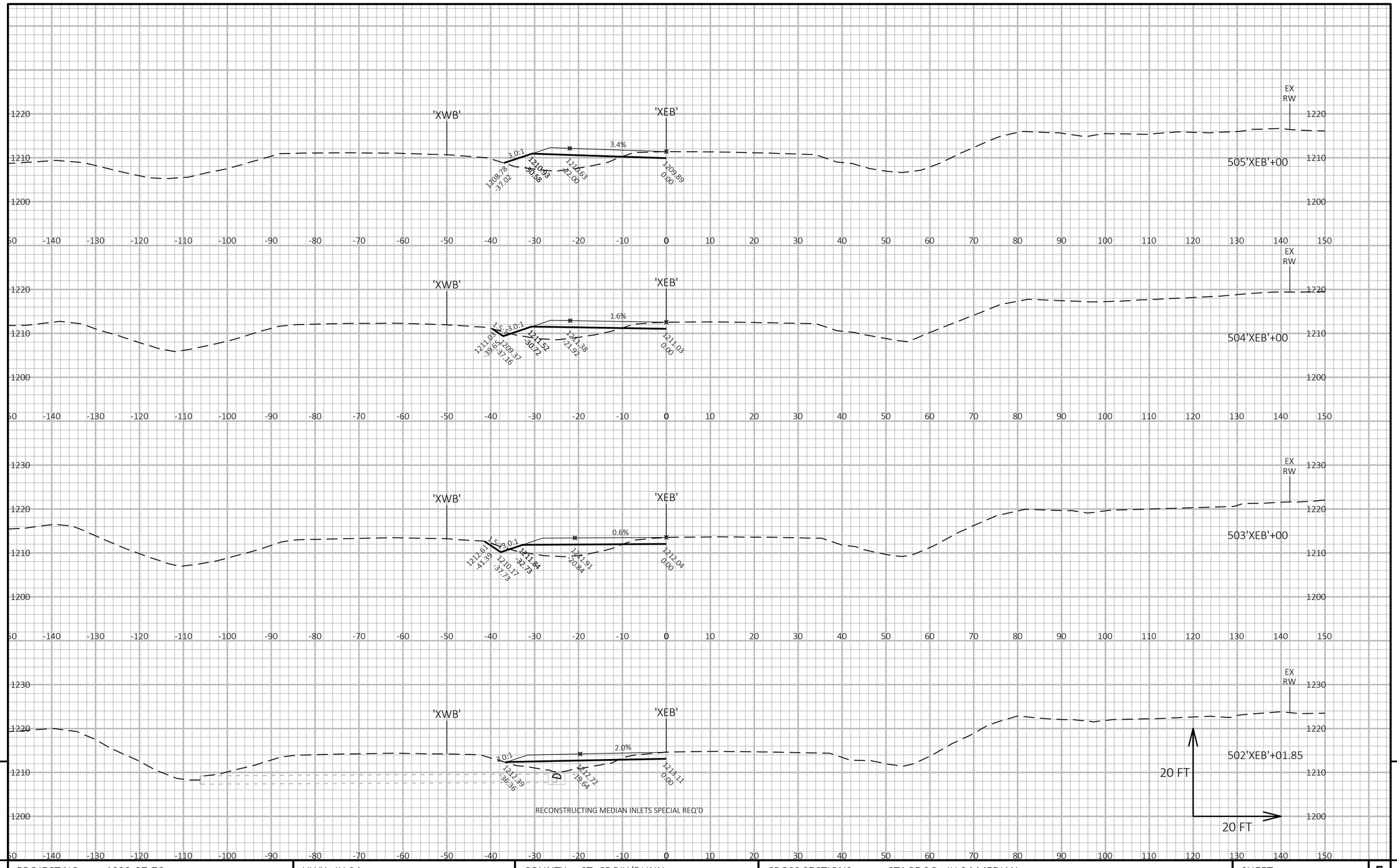


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1031	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

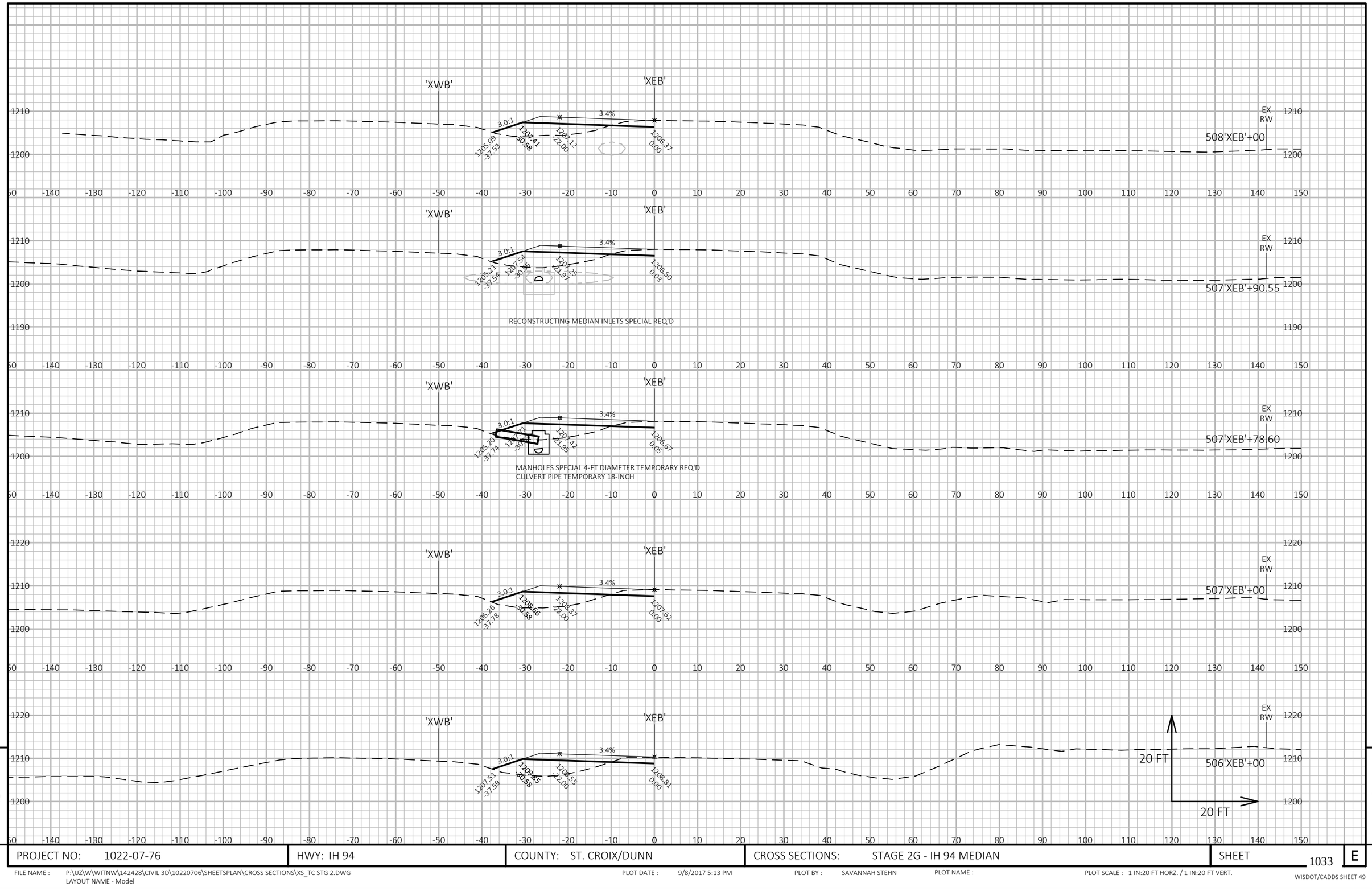


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1032	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



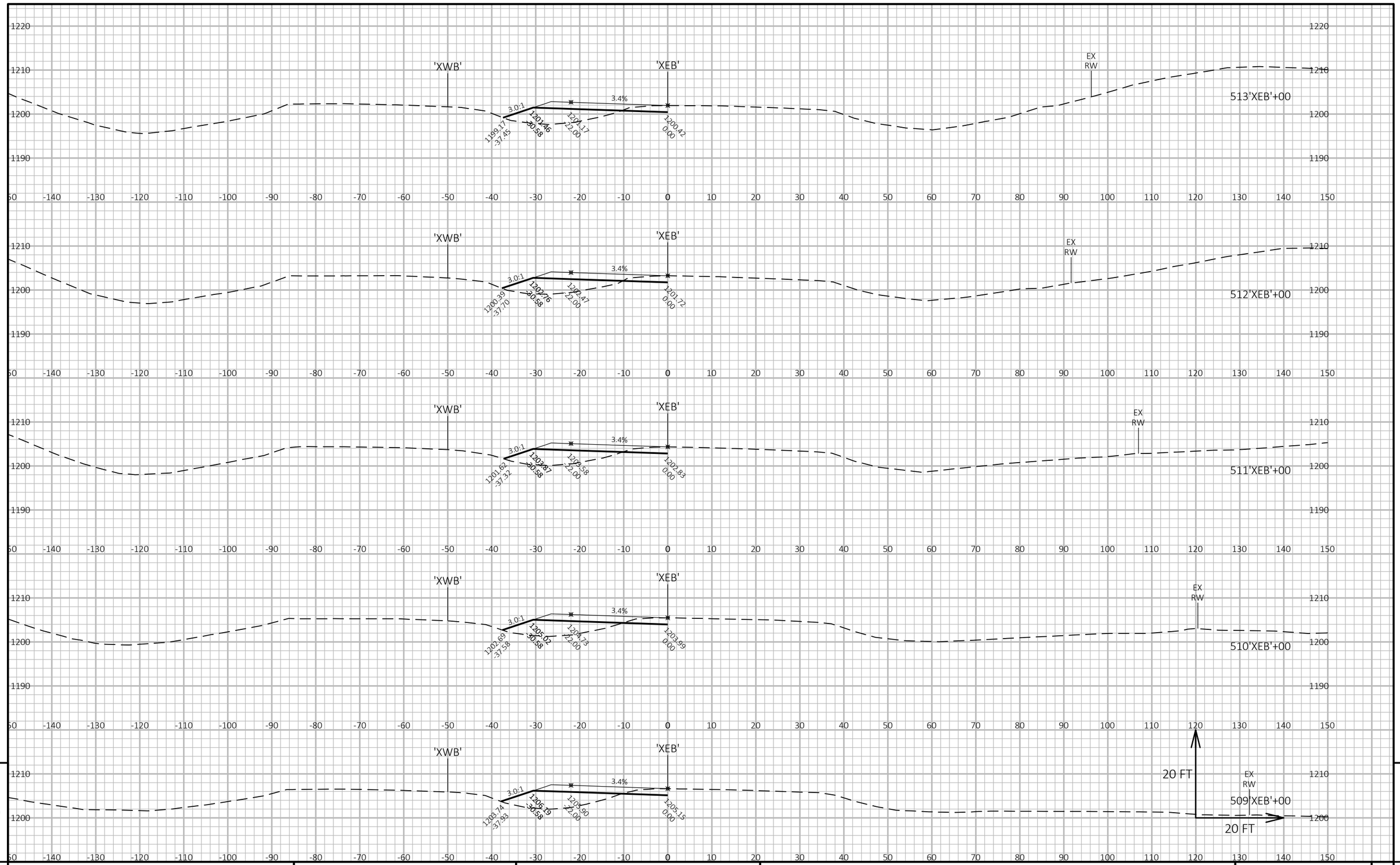
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1033	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

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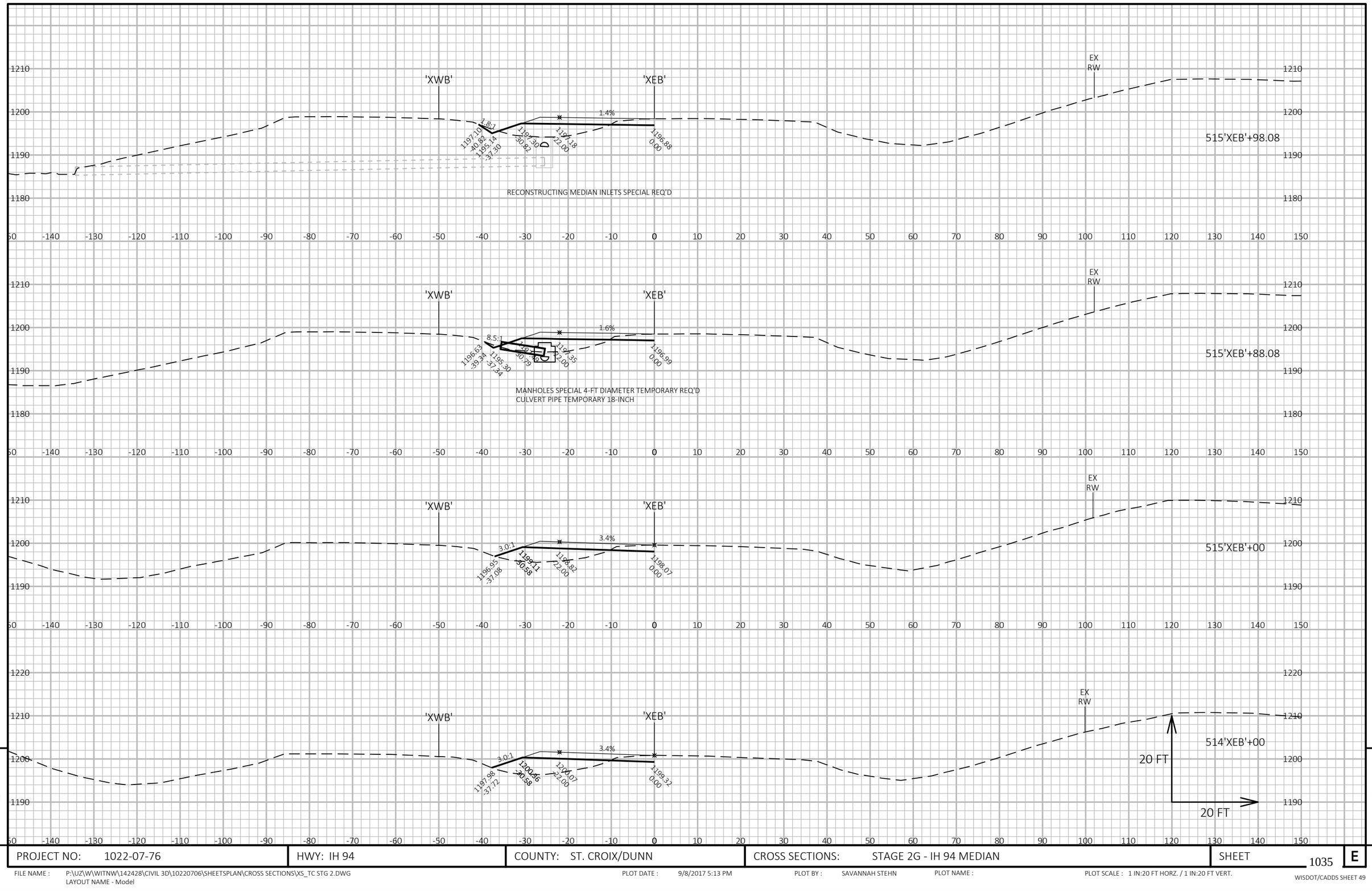
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1034	E

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LAYOUT NAME - Model

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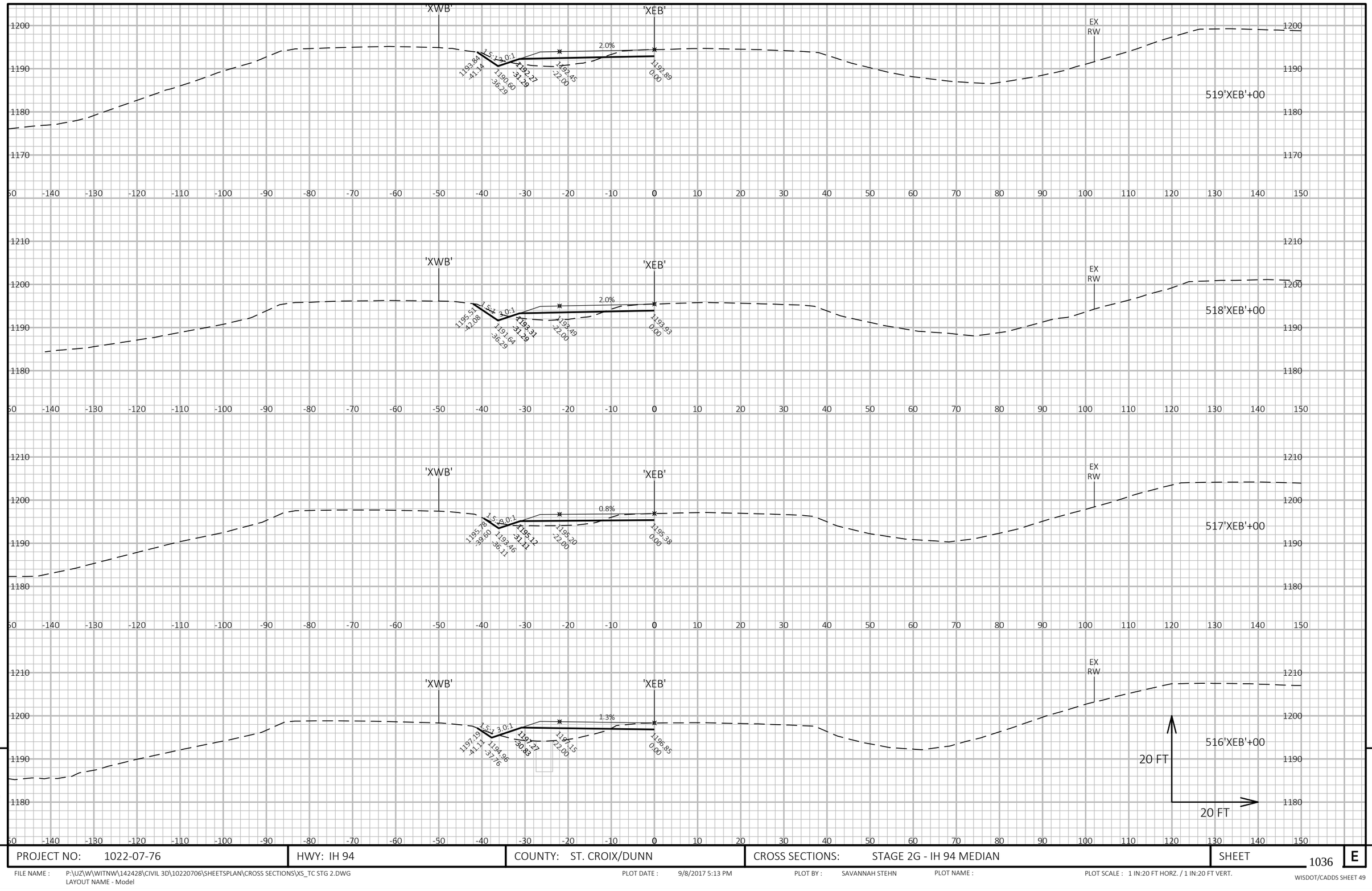


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1035 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



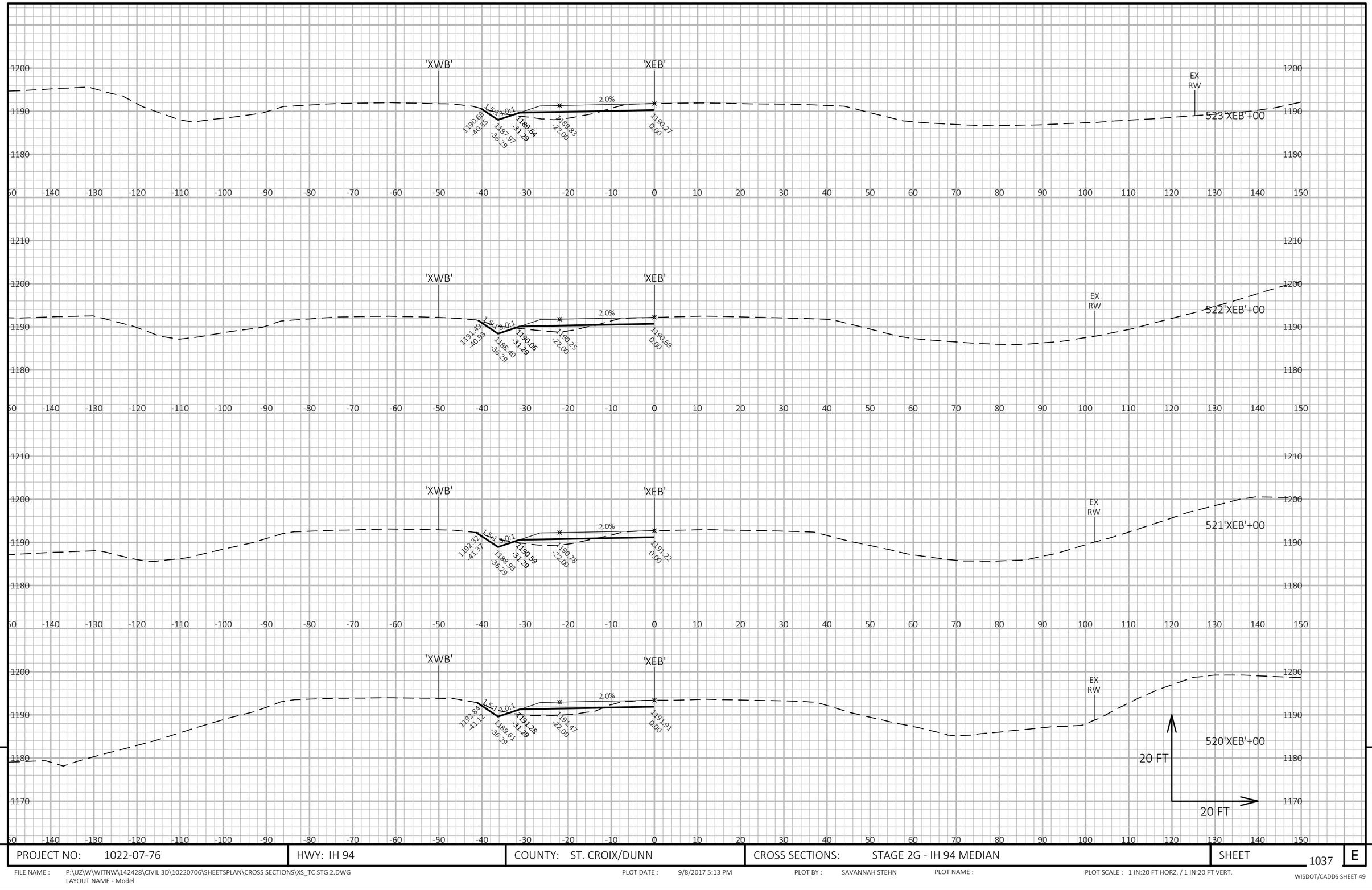
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LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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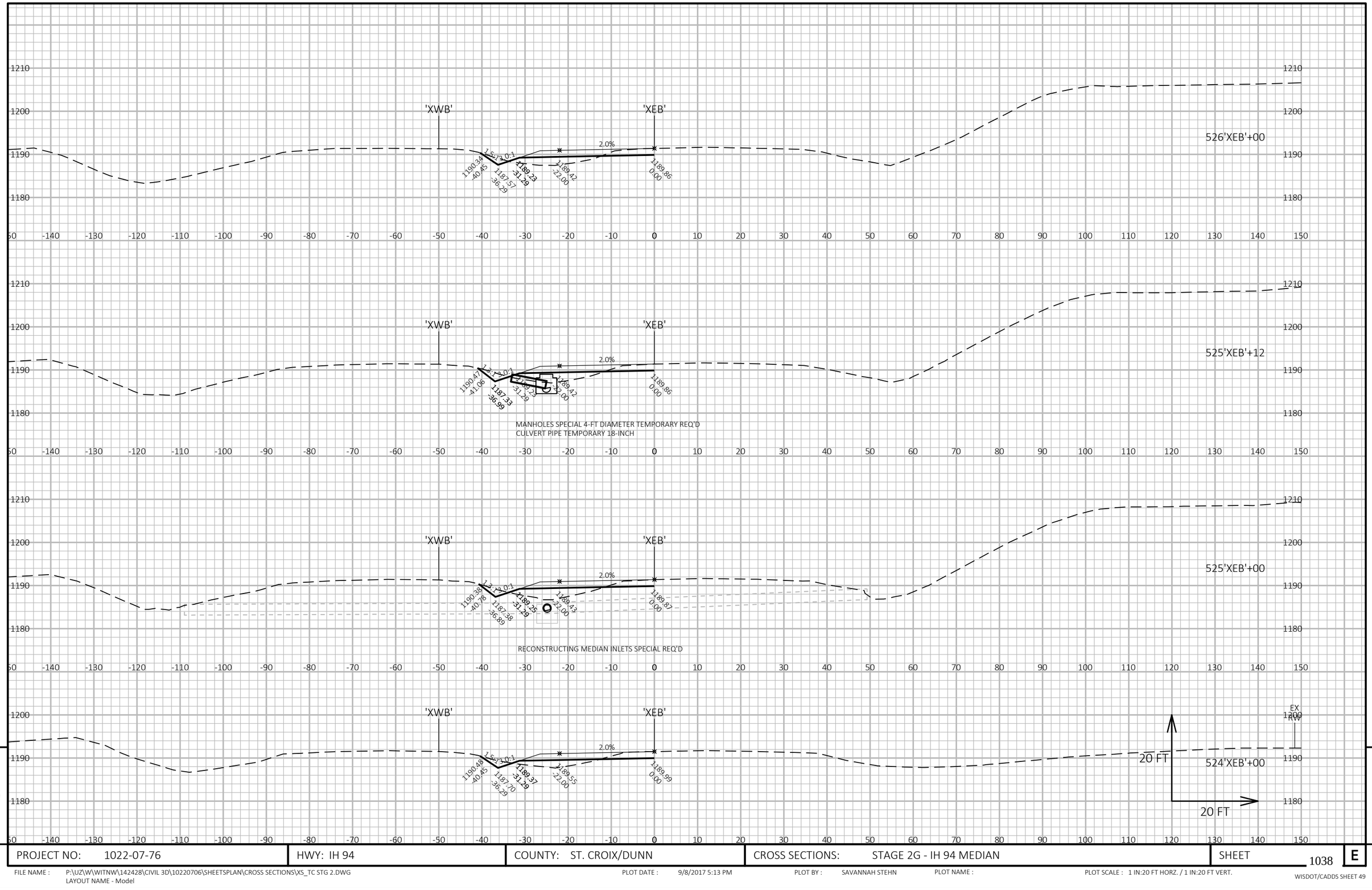
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1037	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

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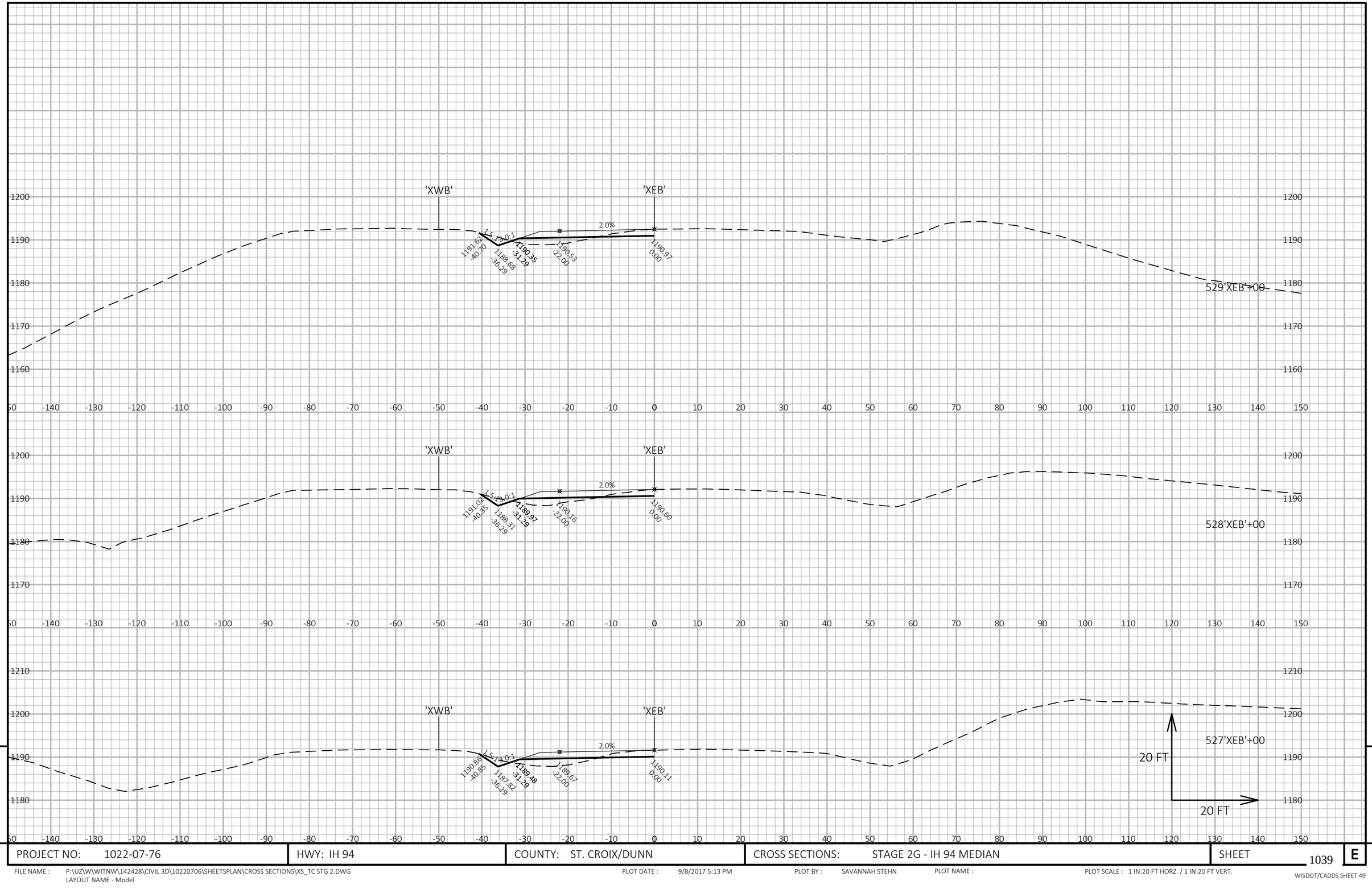
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1038	E

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LAYOUT NAME - Model

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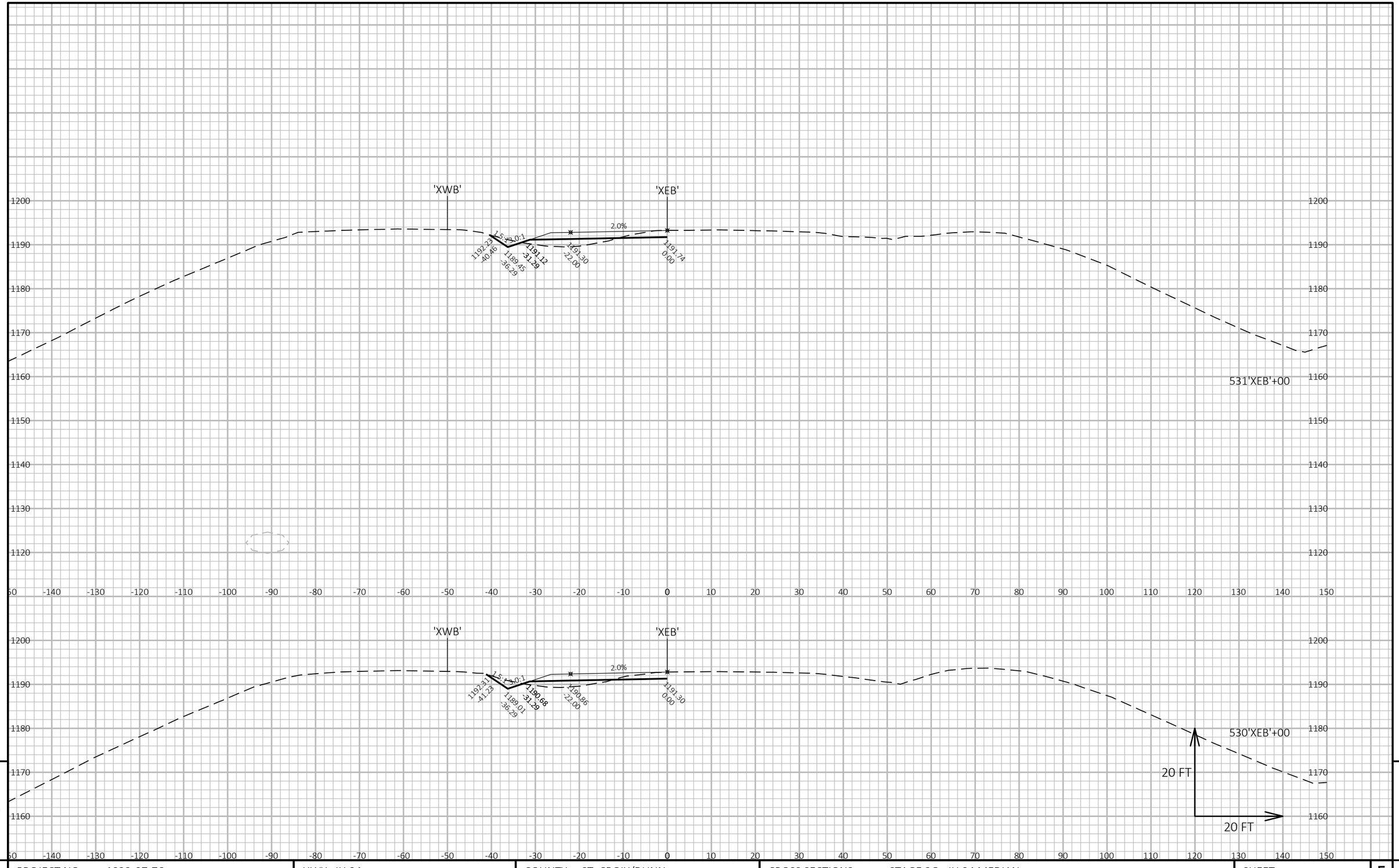
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LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



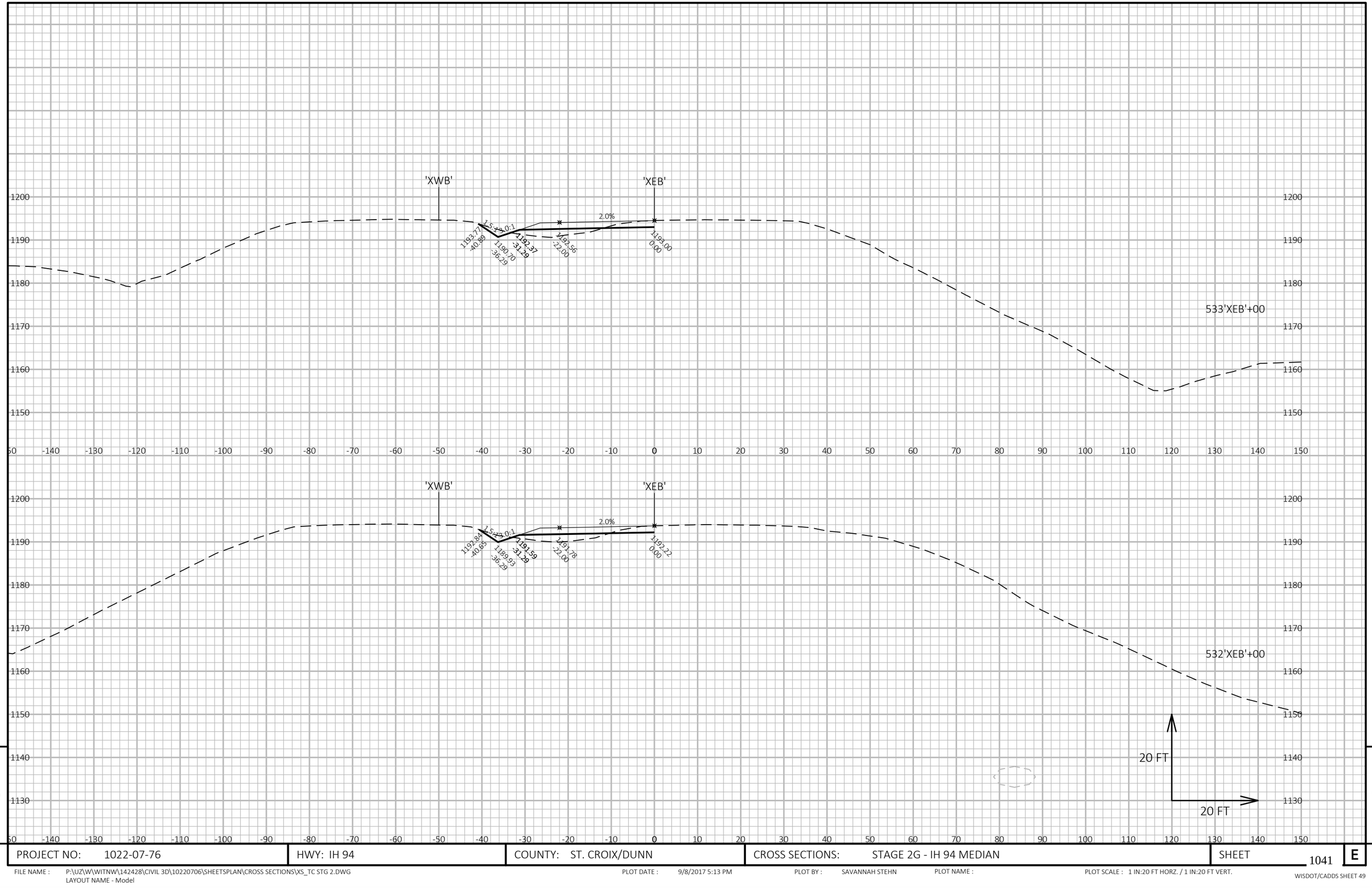
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1040	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

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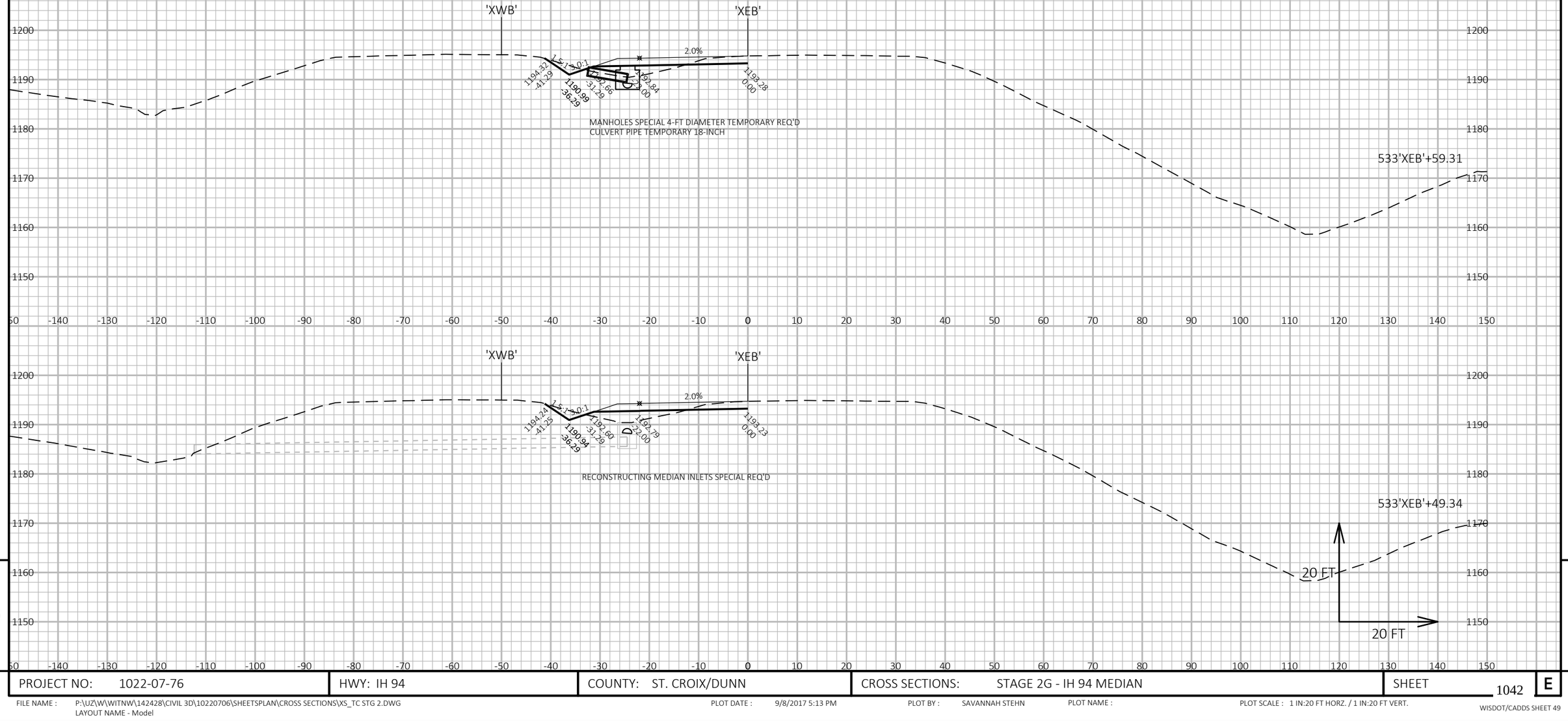
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1041	E

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LAYOUT NAME - Model

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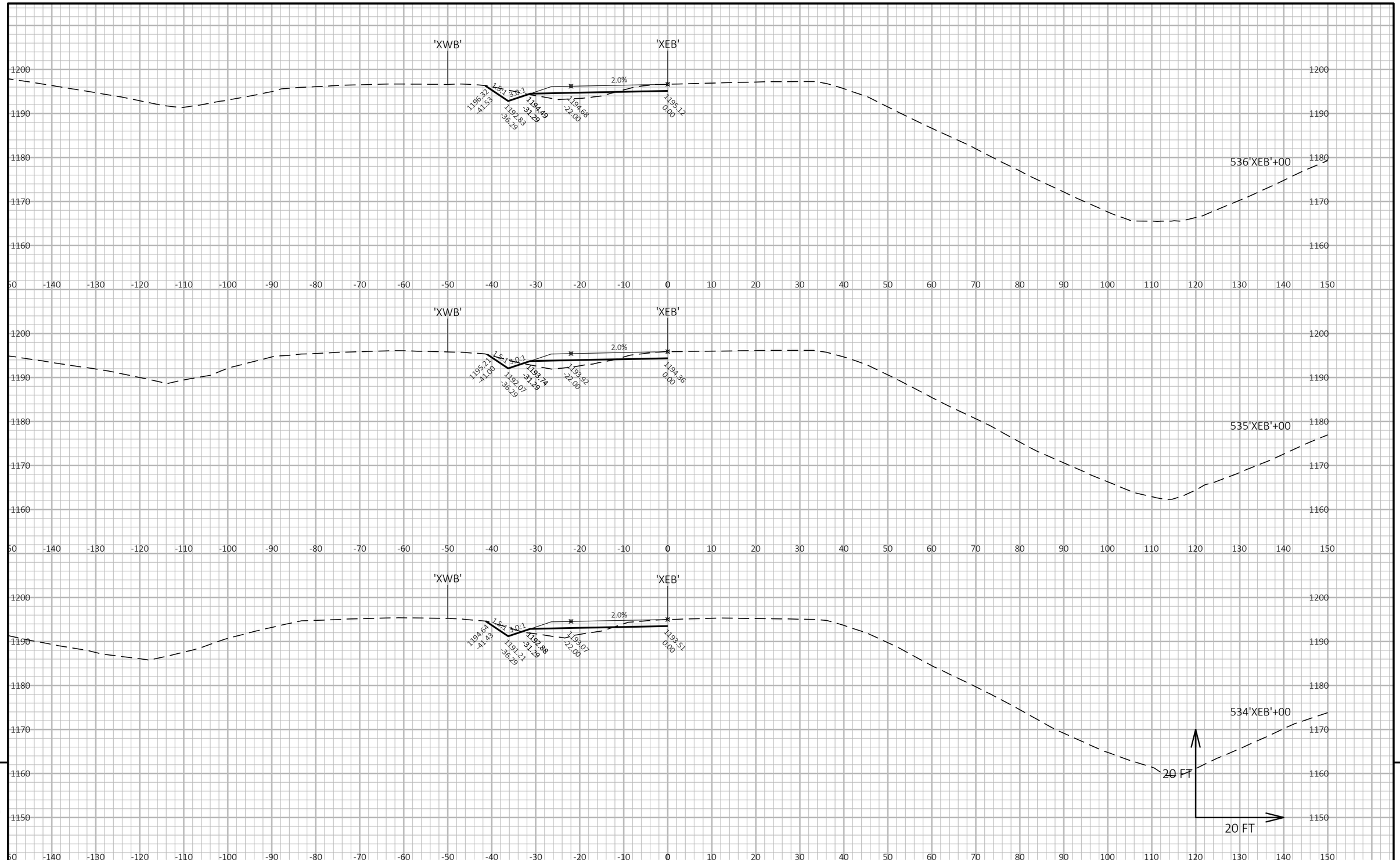
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1042	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

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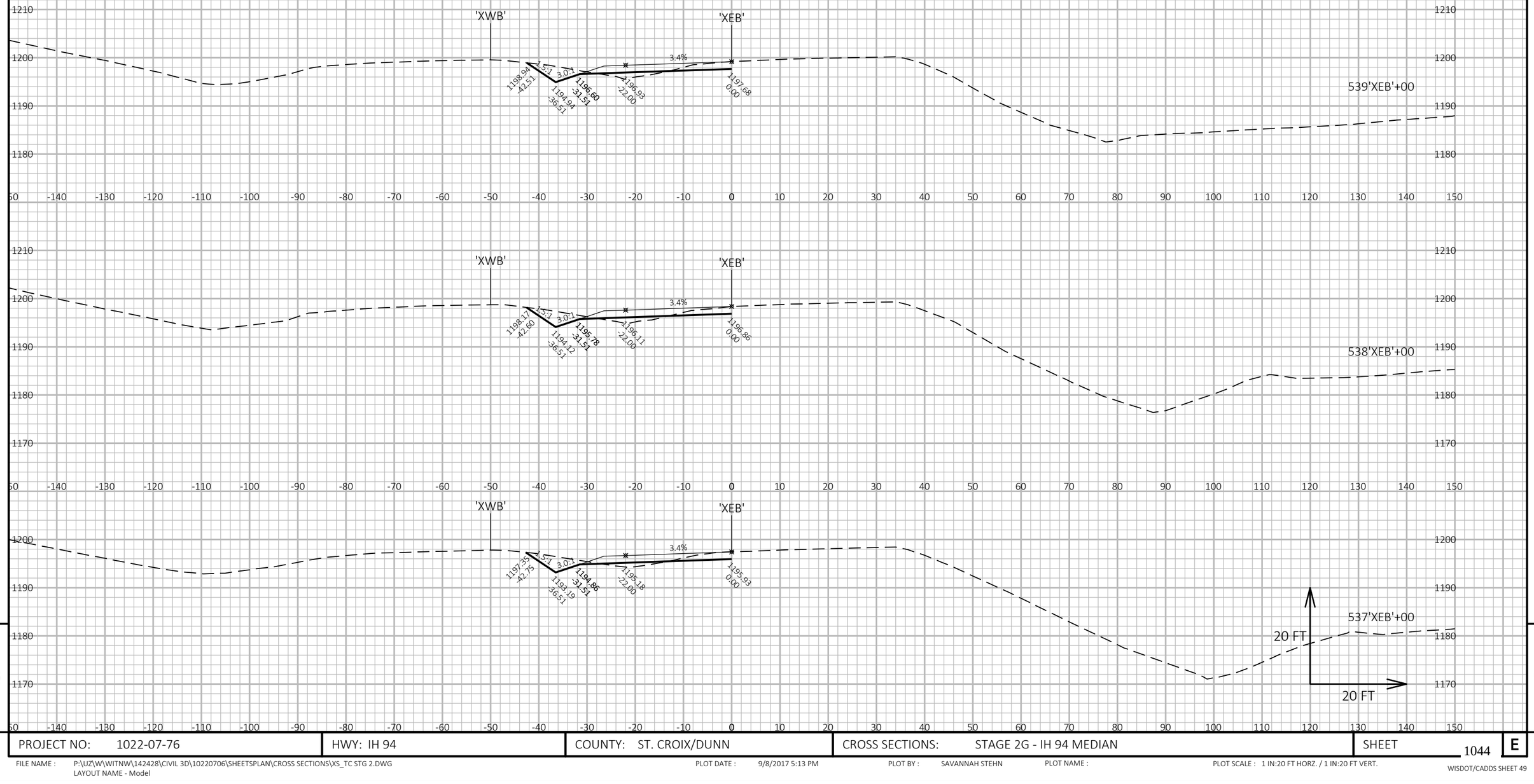
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1043 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



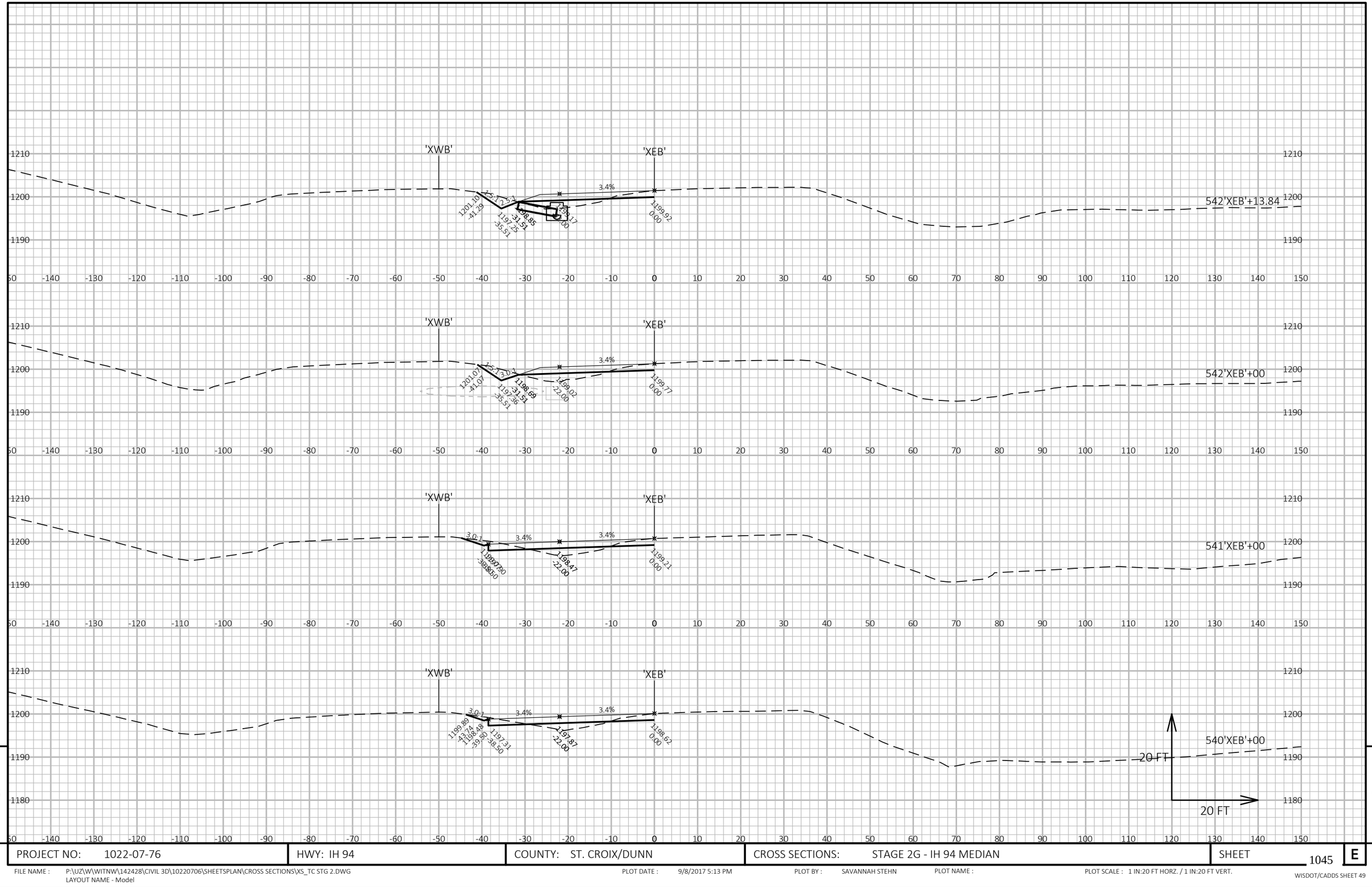
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1044 E

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LAYOUT NAME - Model

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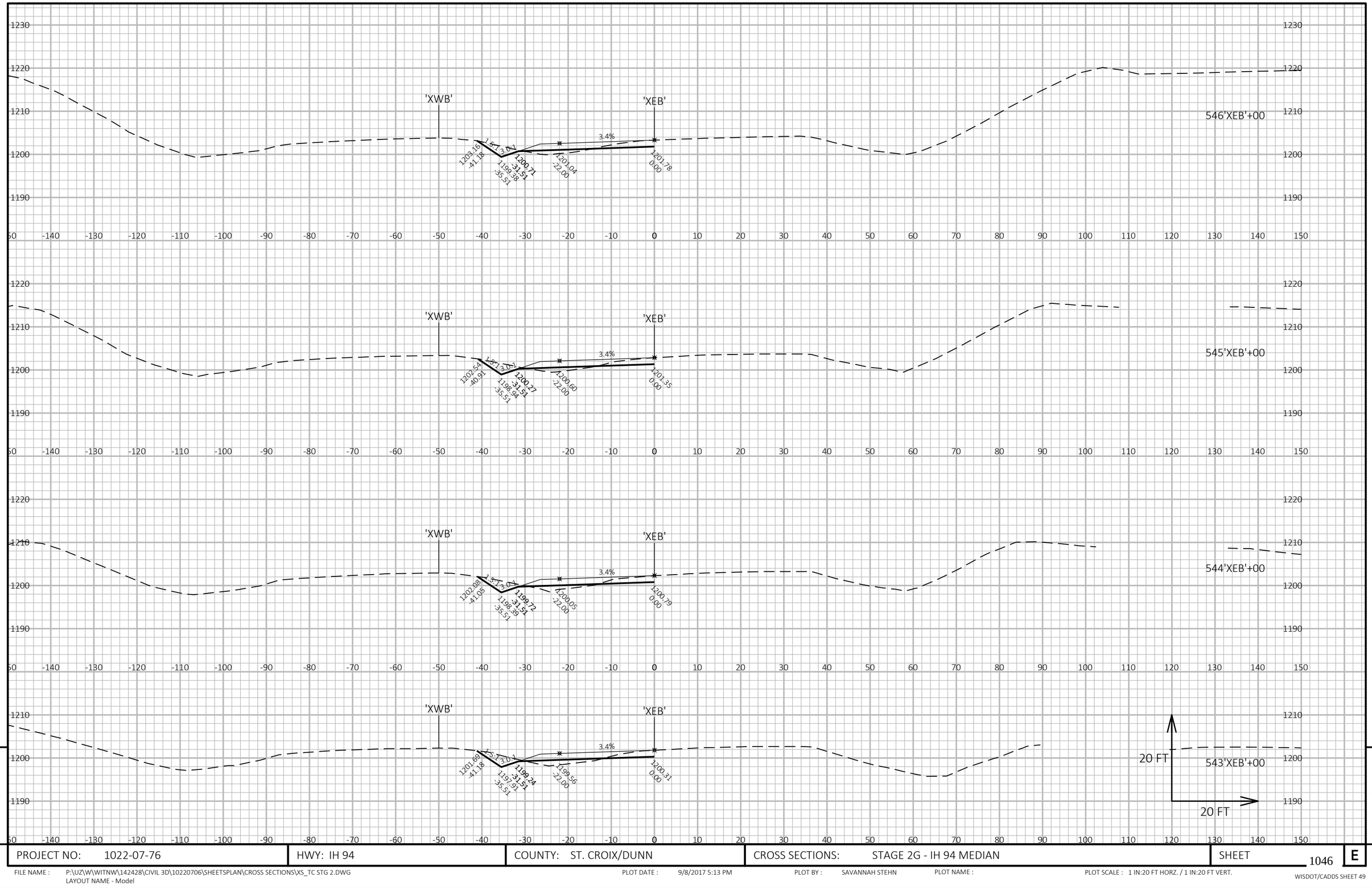
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1045	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



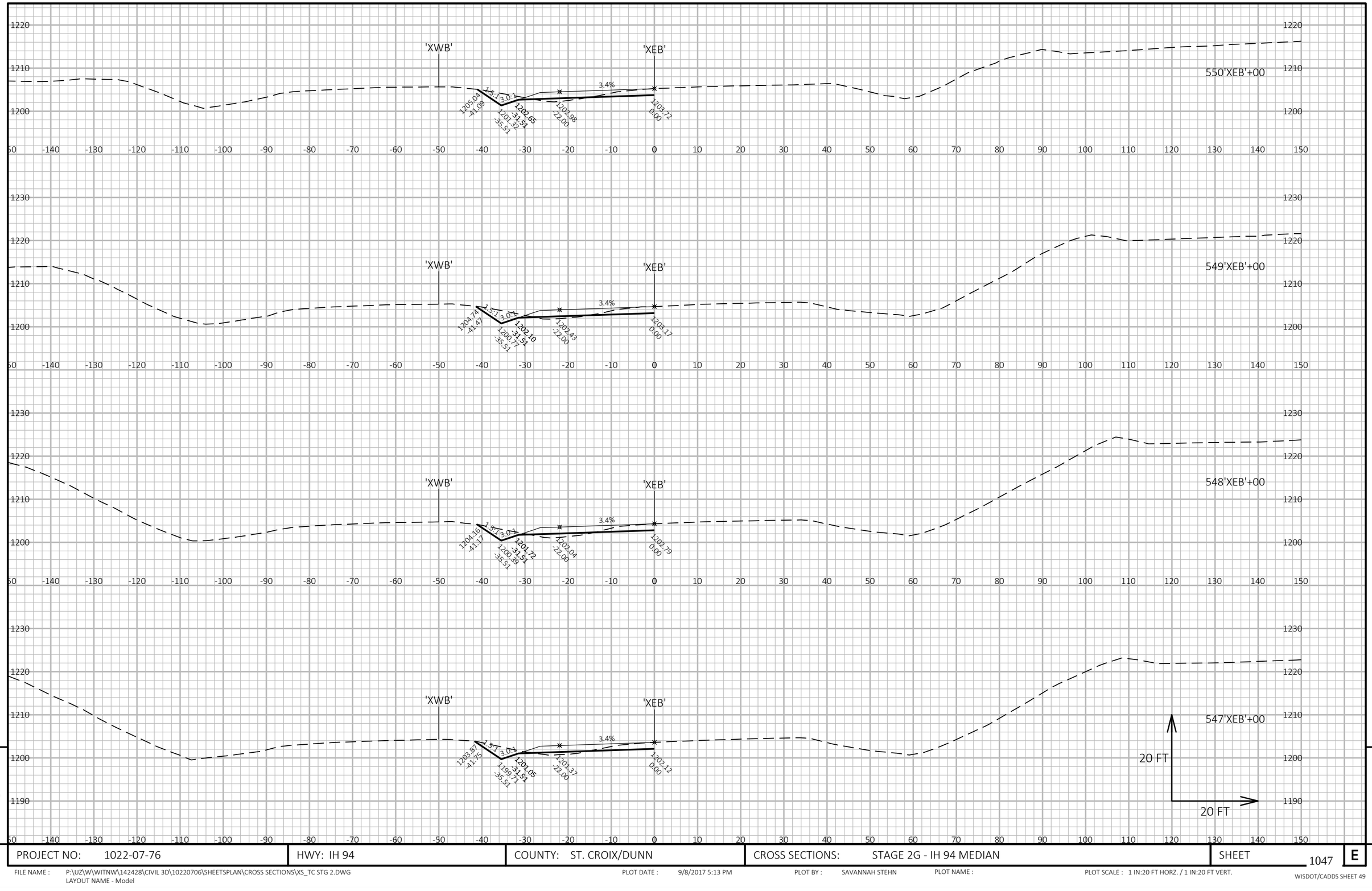
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1046 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1047	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

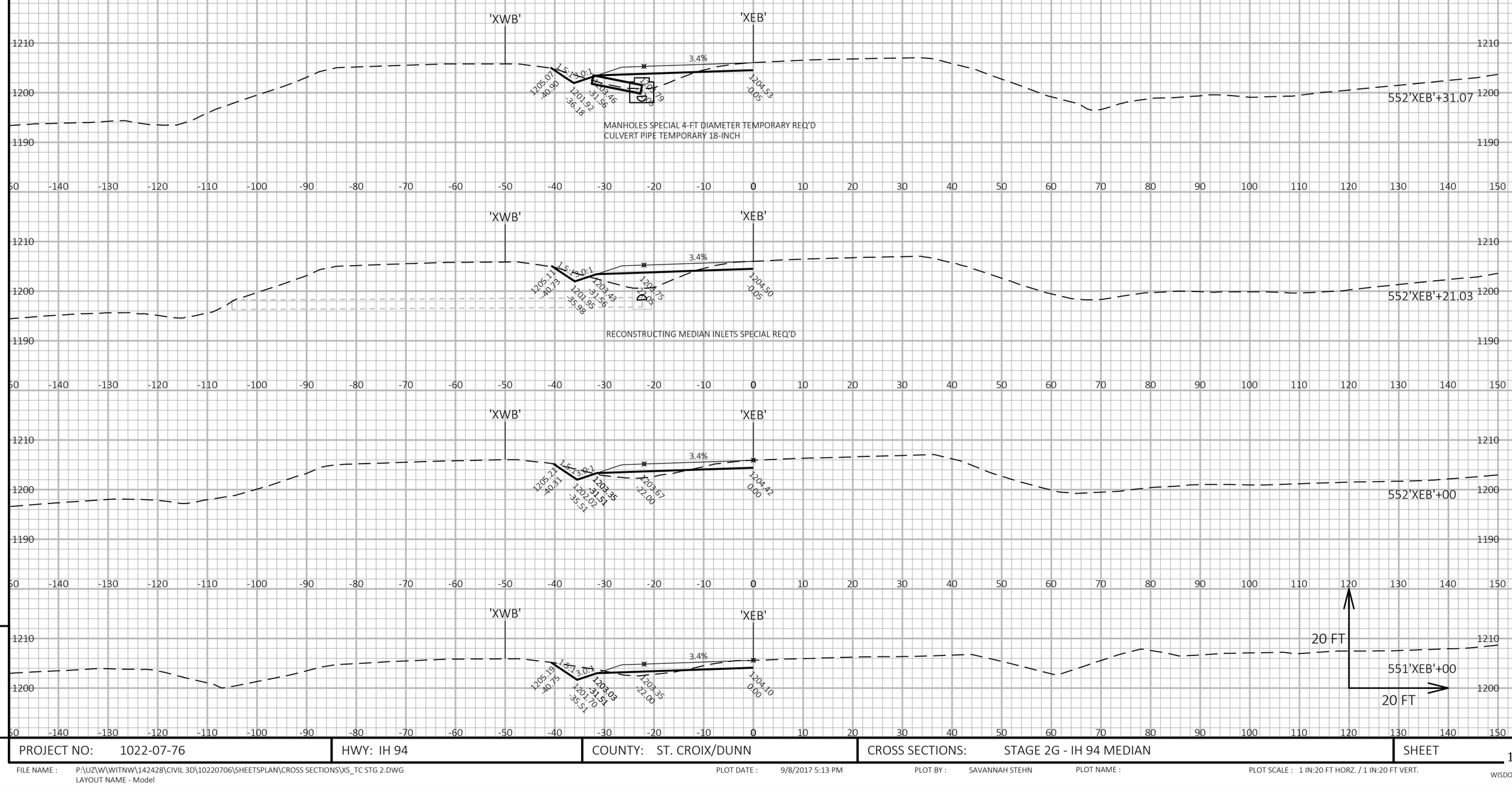
PLOT DATE : 9/8/2017 5:13 PM

PLOT BY : SAVANNAH STEHN

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



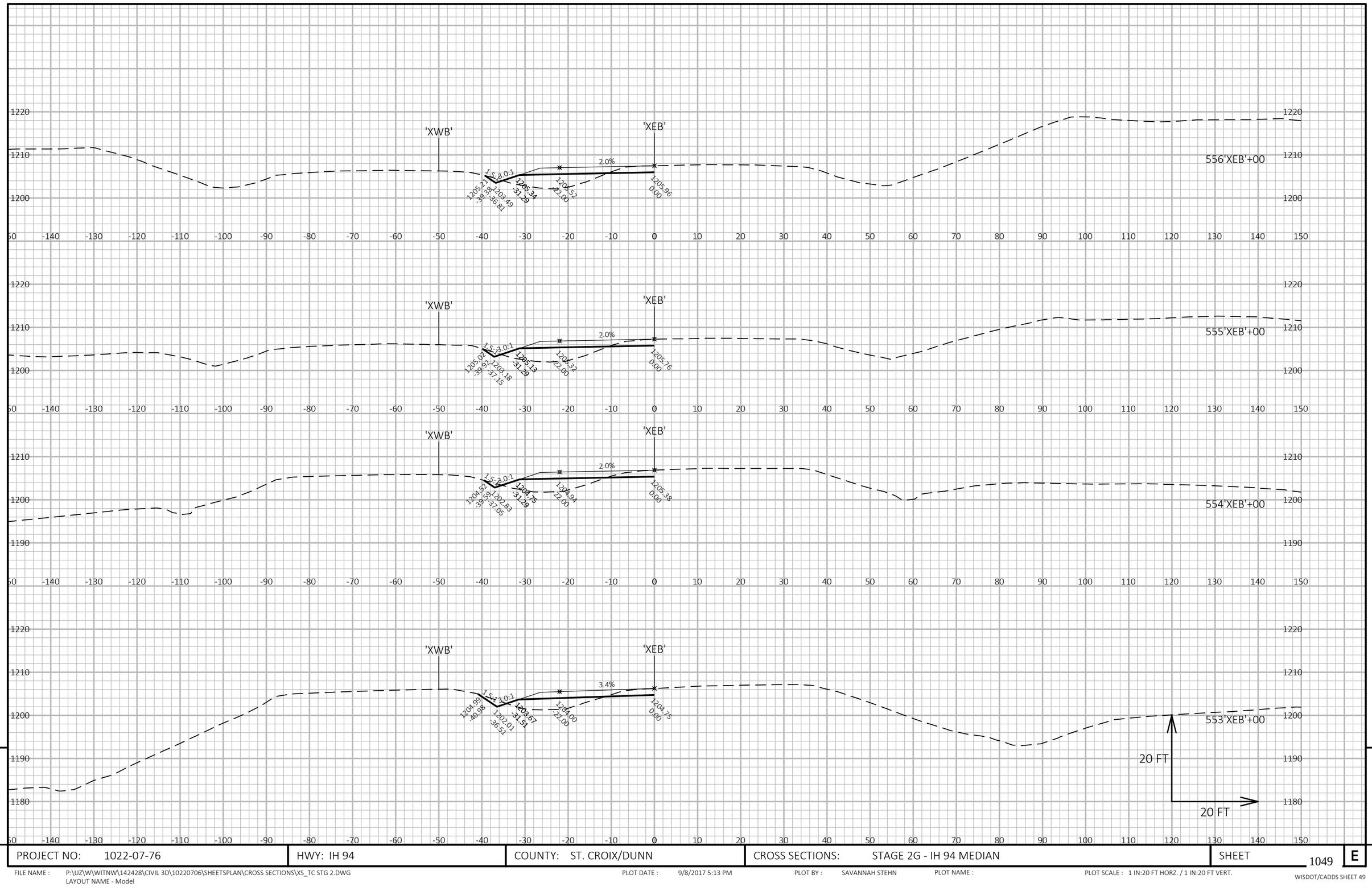
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1048	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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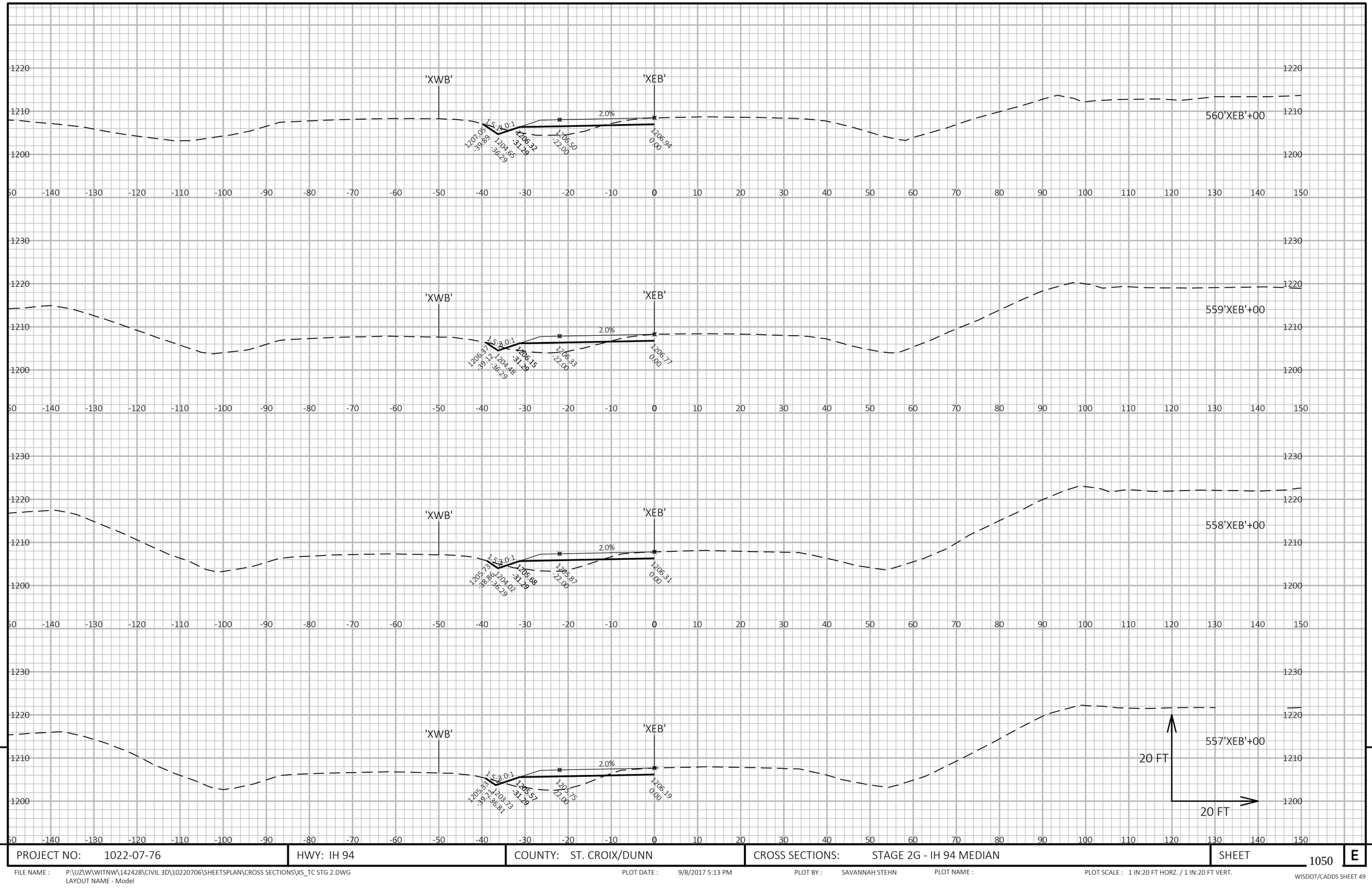
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1049	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

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WISDOT/CADDS SHEET 49



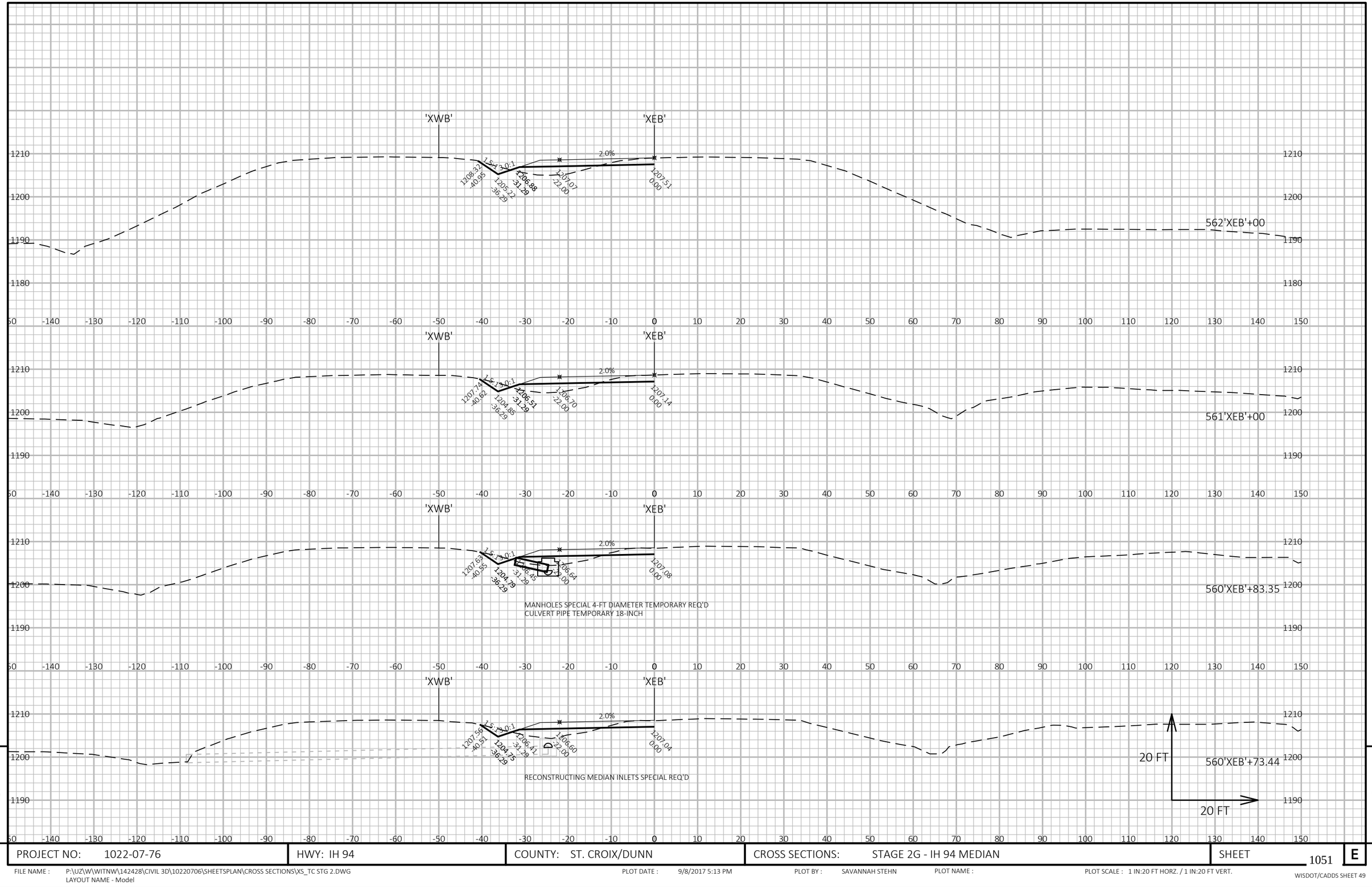
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1050	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



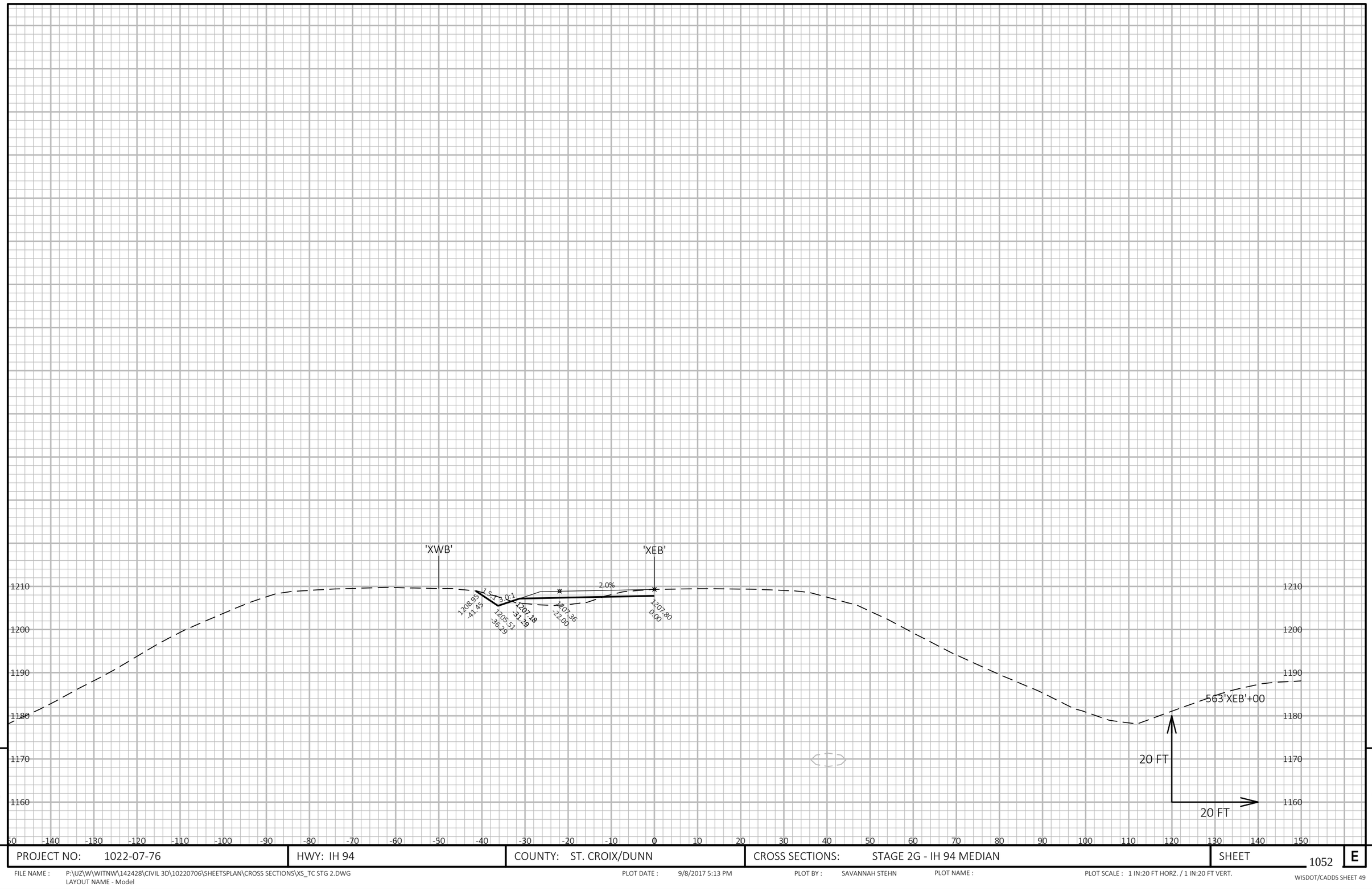
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - IH 94 MEDIAN	SHEET 1051	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



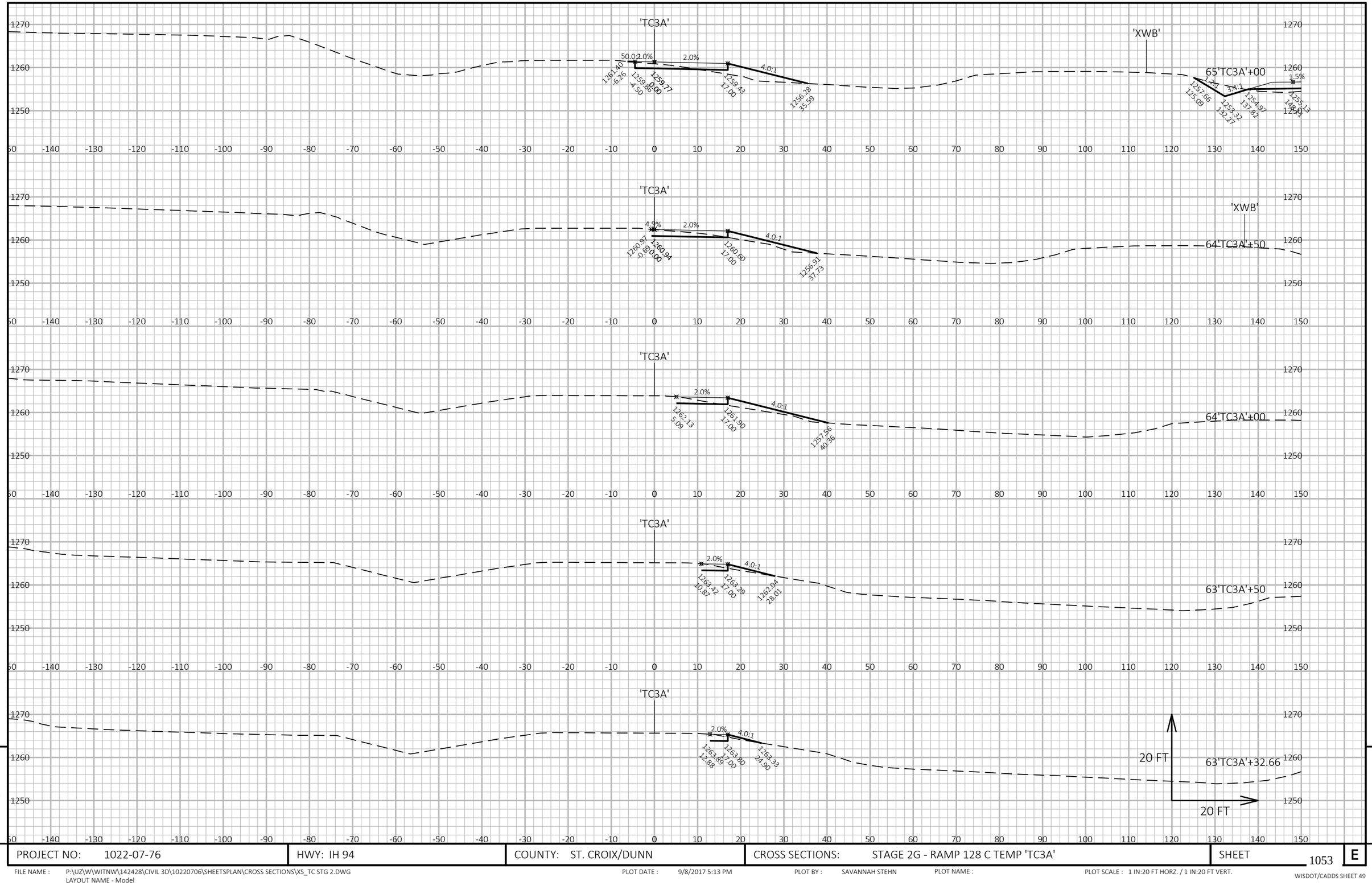
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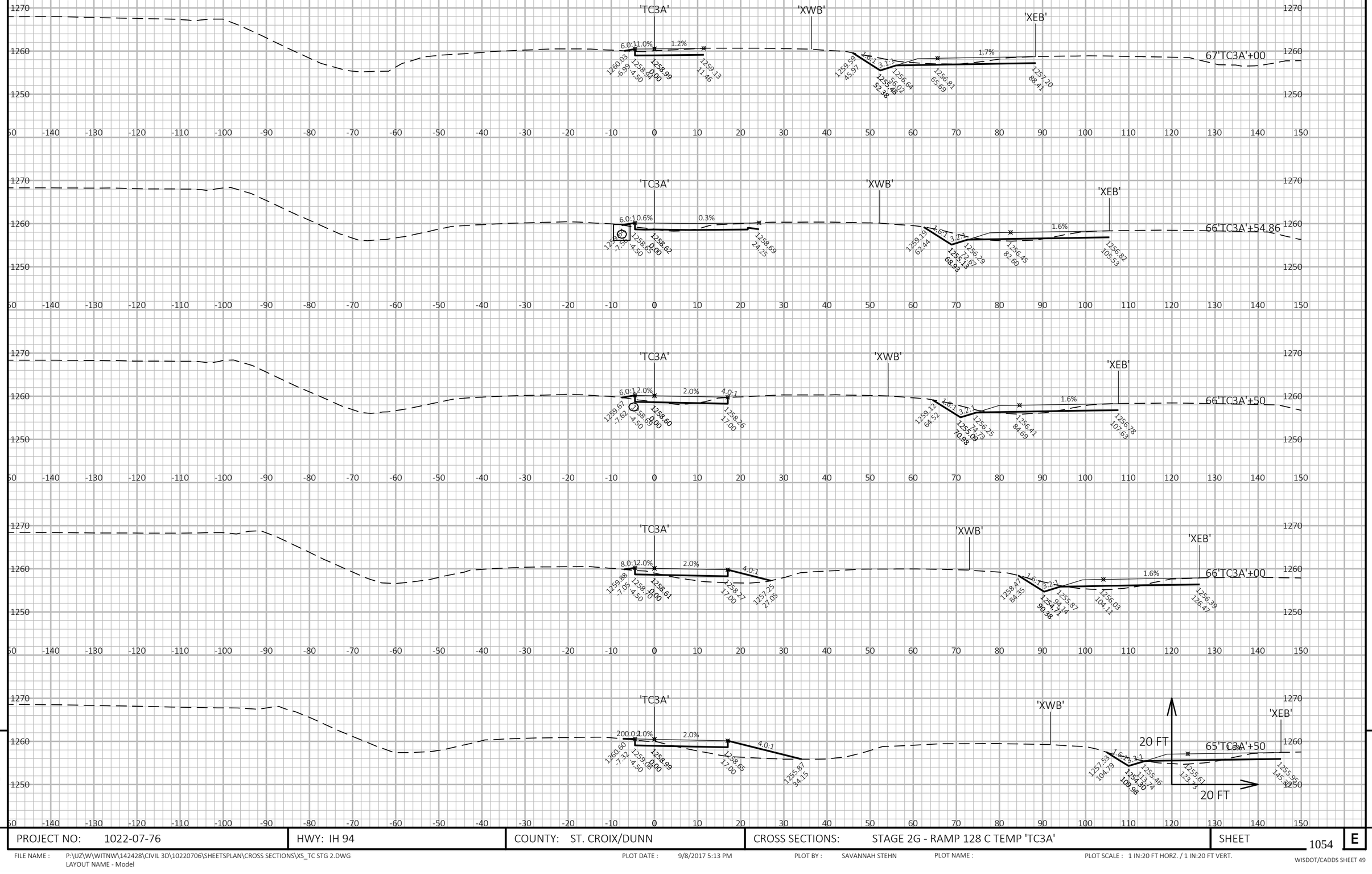
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FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - RAMP 128 C TEMP 'TC3A'	SHEET 1053	E

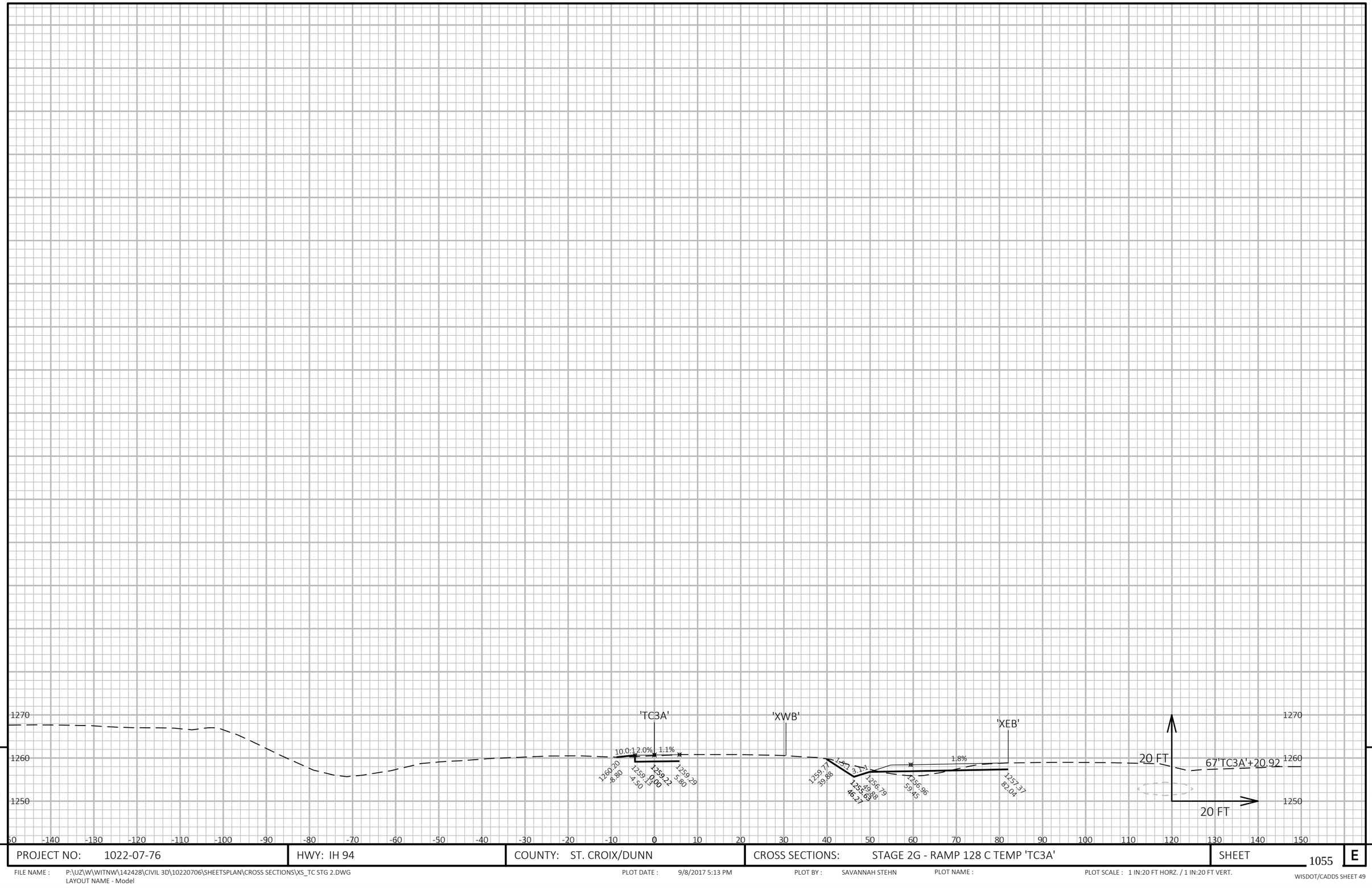


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - RAMP 128 C TEMP 'TC3A'	SHEET 1054	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



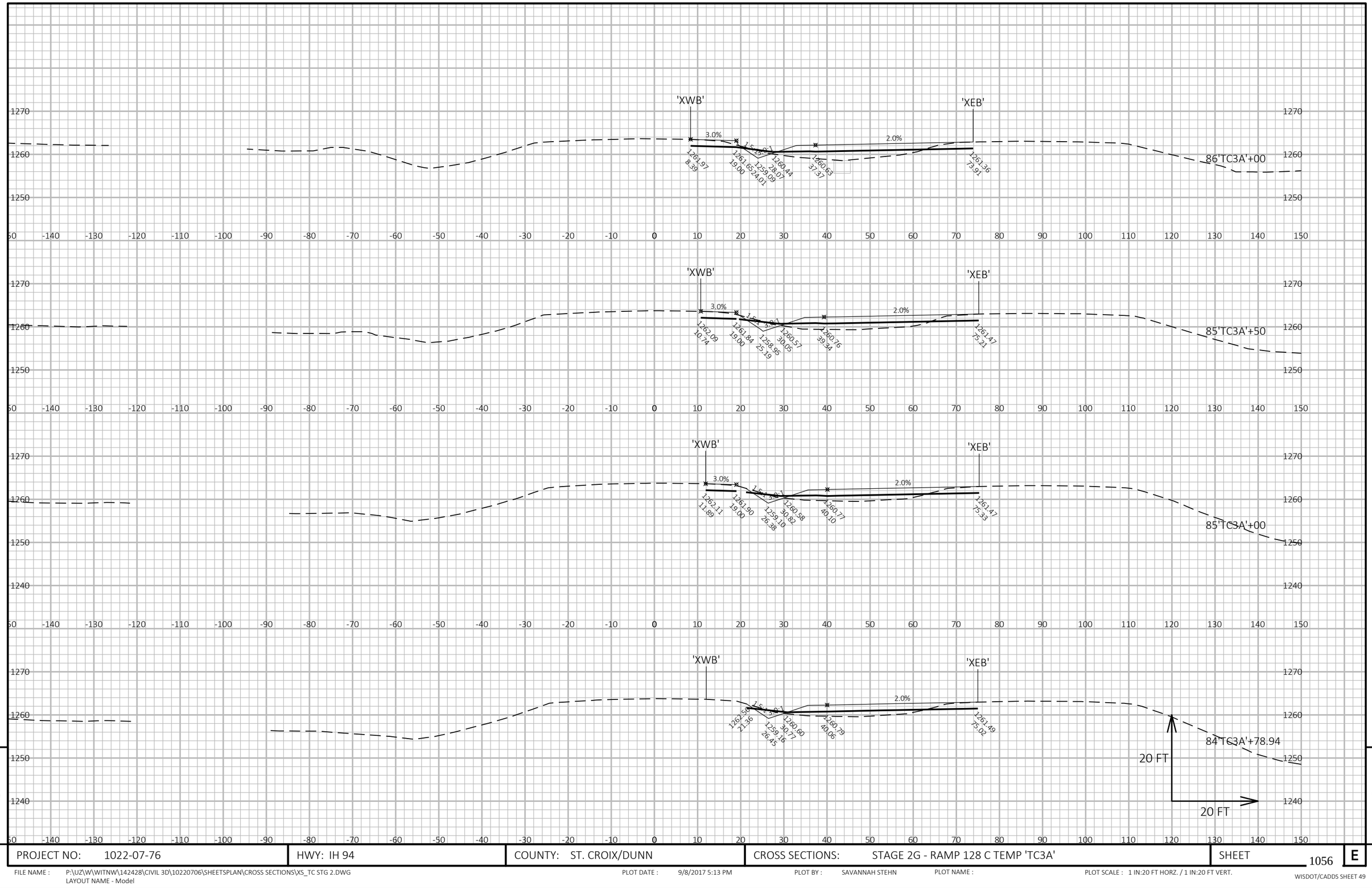
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - RAMP 128 C TEMP 'TC3A'	SHEET 1055	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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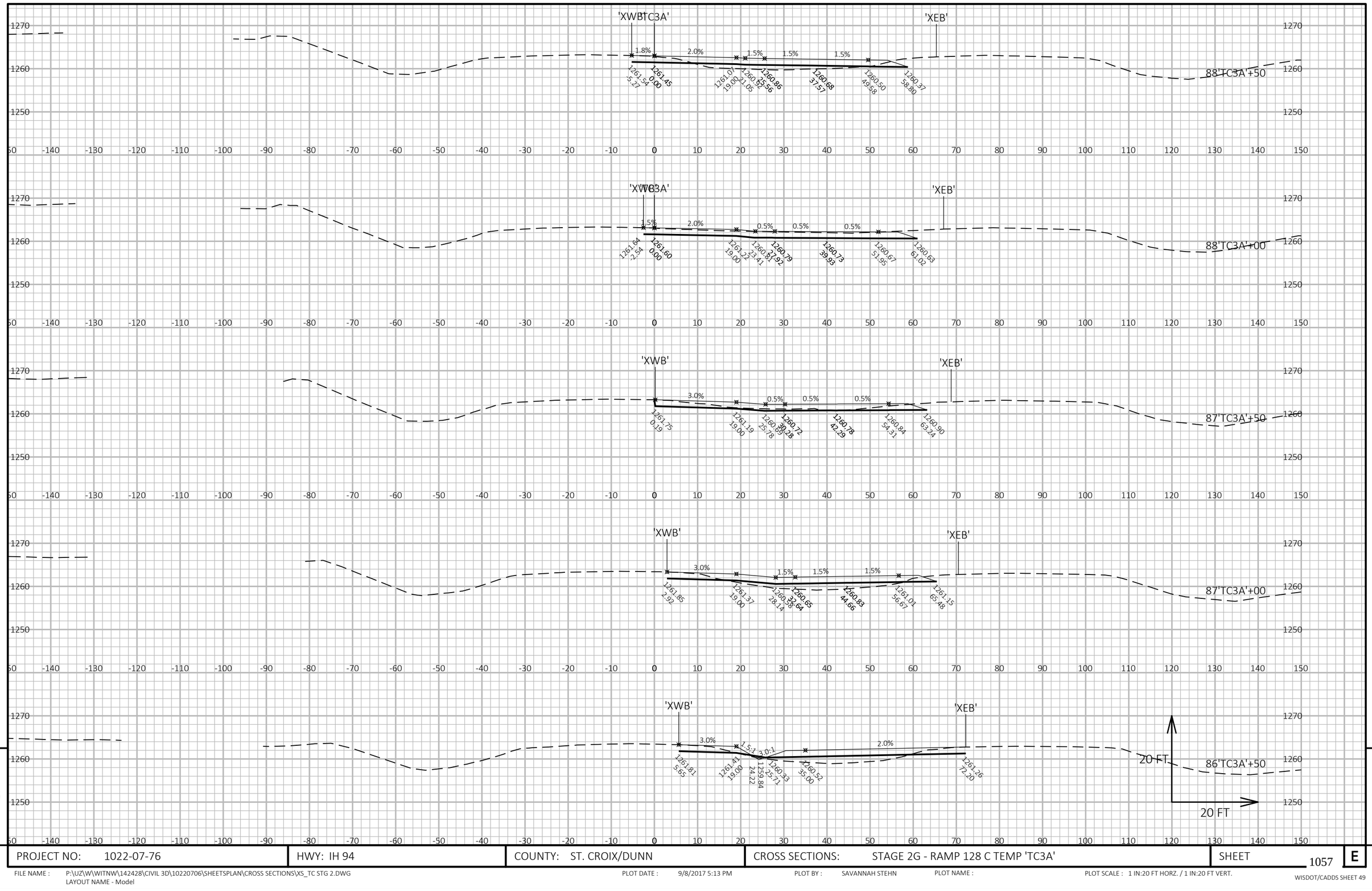
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - RAMP 128 C TEMP 'TC3A'	SHEET 1056	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



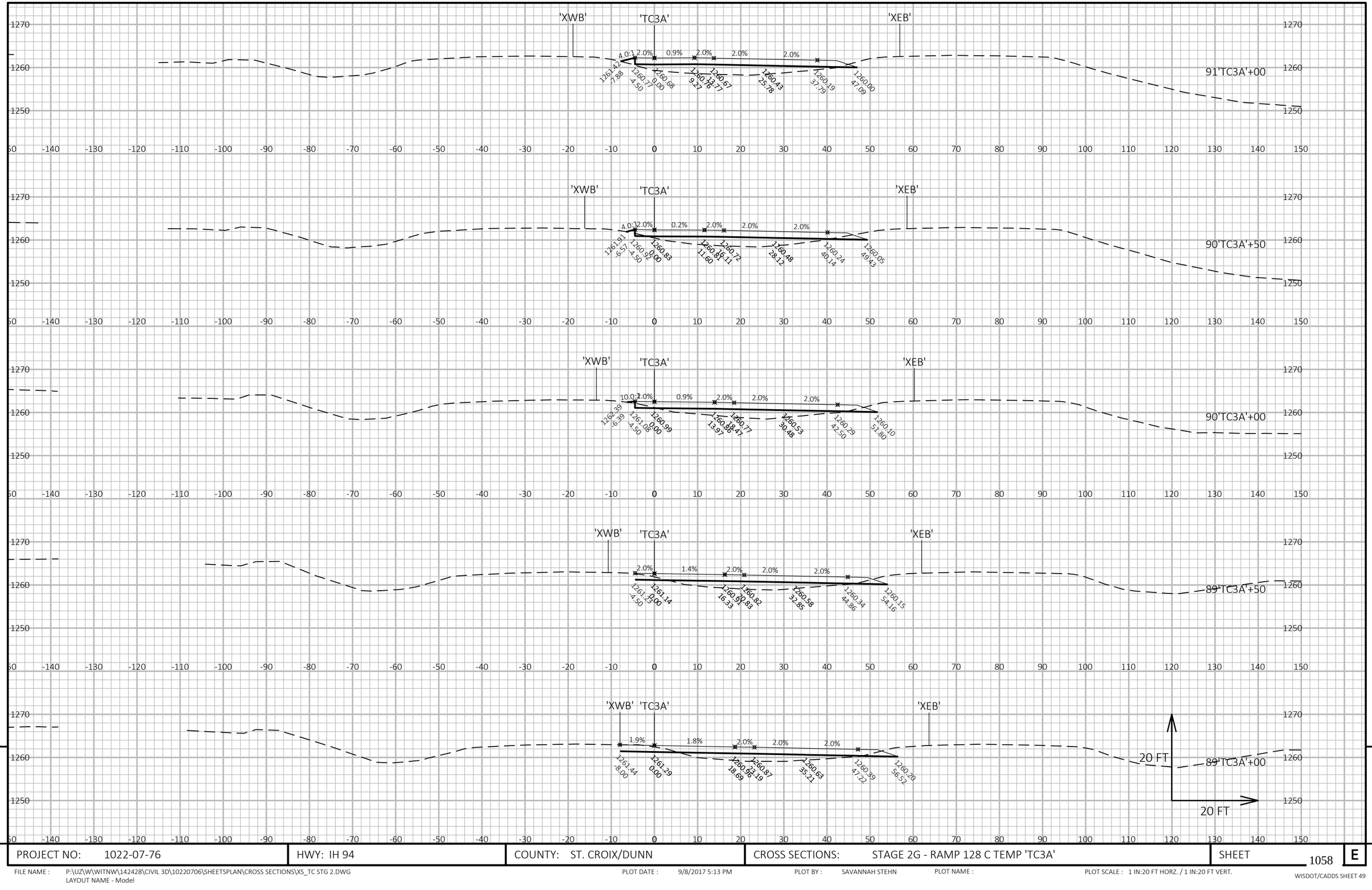
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - RAMP 128 C TEMP 'TC3A'	SHEET 1057	E

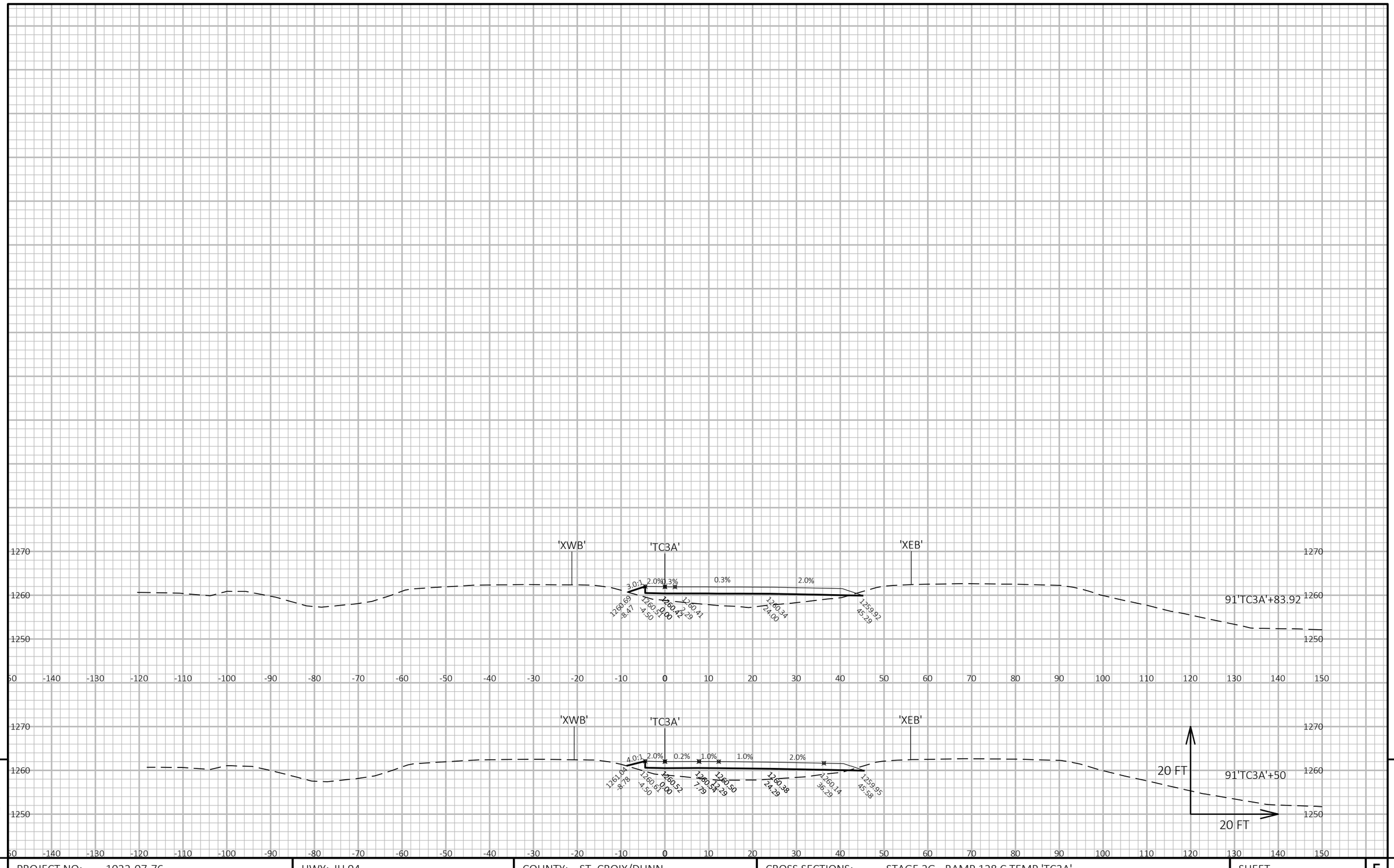
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LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - RAMP 128 C TEMP 'TC3A'	SHEET 1058 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model
PLOT DATE : 9/8/2017 5:13 PM
PLOT BY : SAVANNAH STEHN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



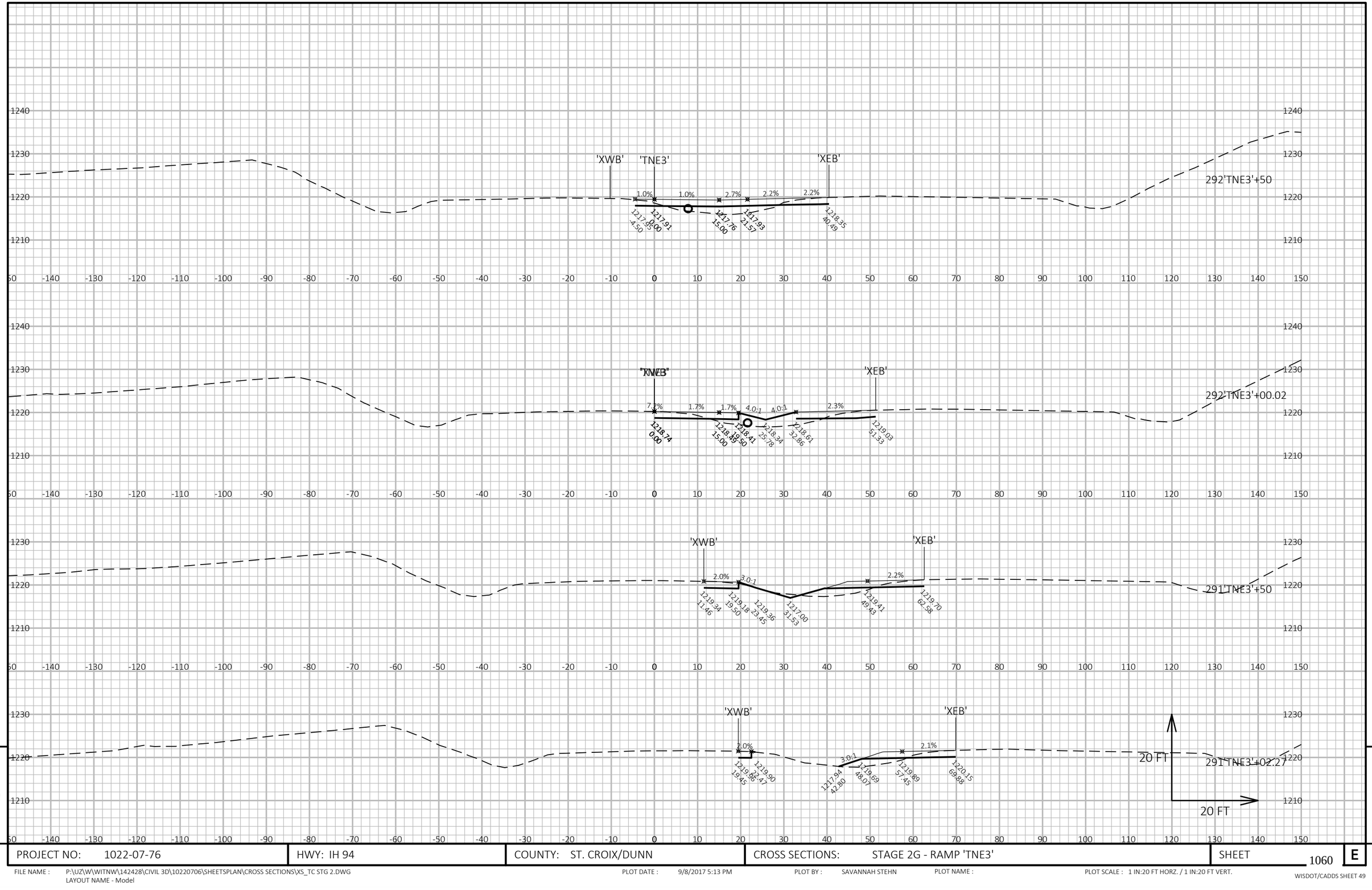
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9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - RAMP 128 C TEMP 'TC3A'	SHEET 1059	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

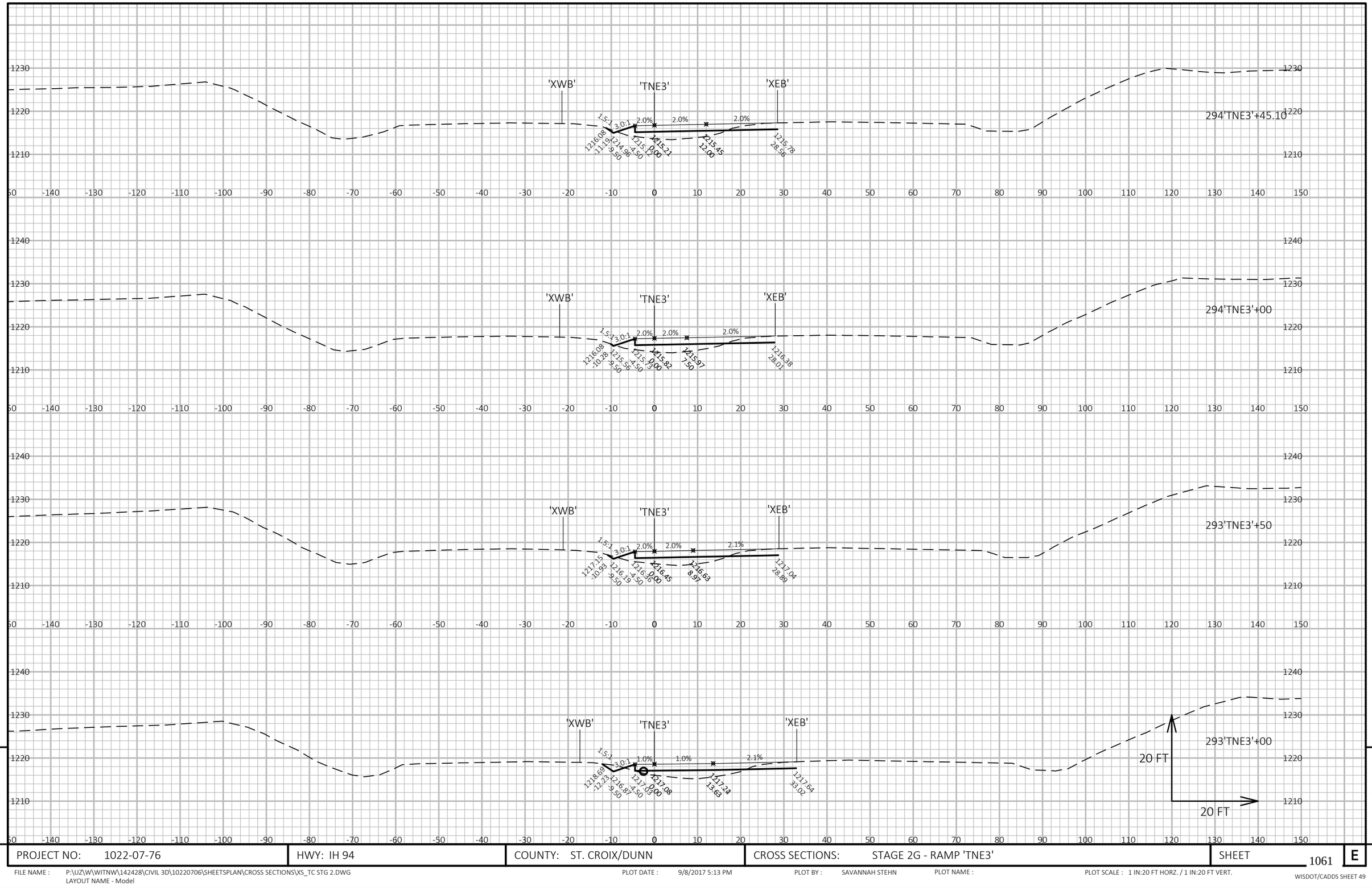


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - RAMP 'TNE3'	SHEET 1060	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model
PLOT DATE : 9/8/2017 5:13 PM
PLOT BY : SAVANNAH STEHN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



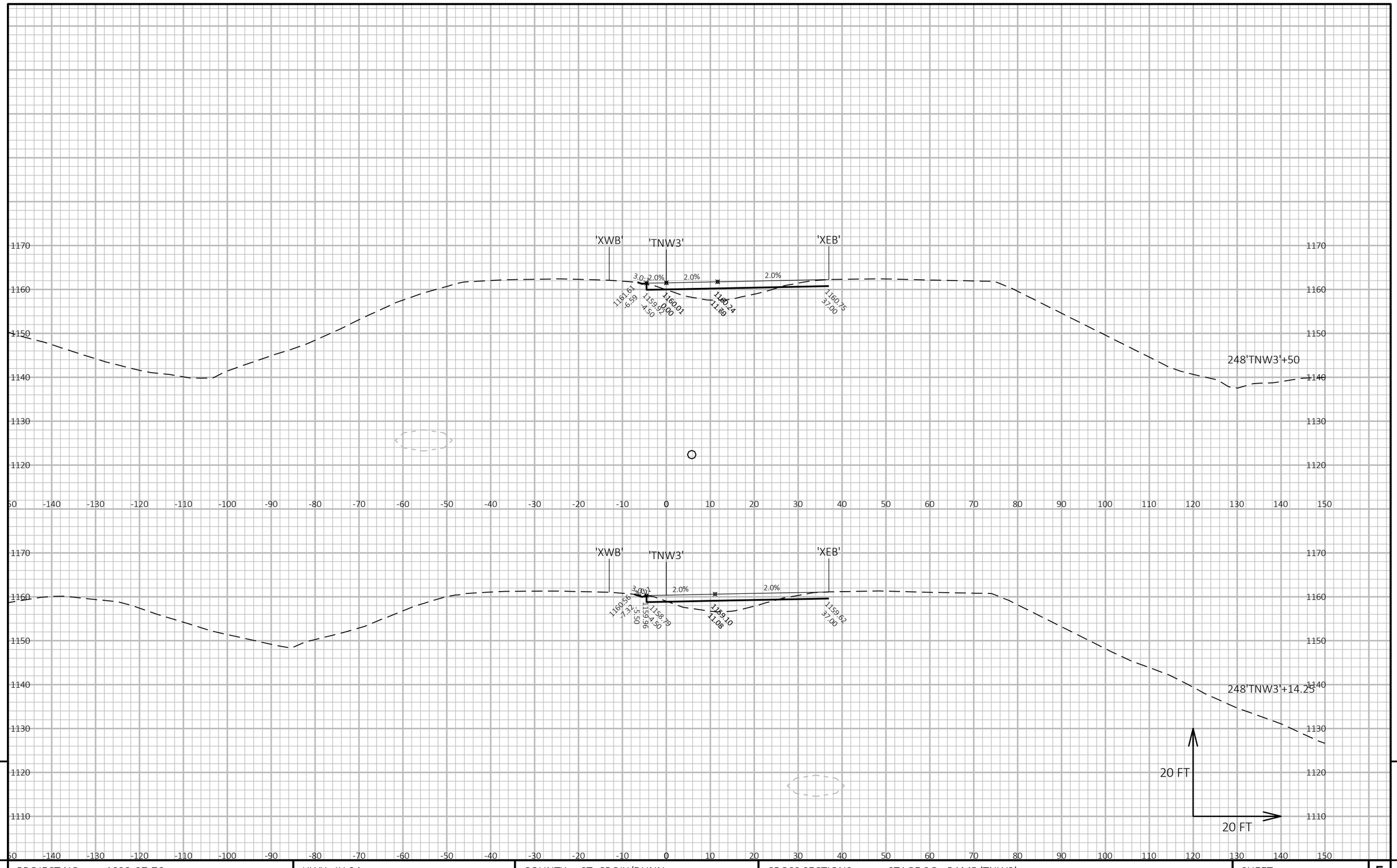
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - RAMP 'TNE3'	SHEET 1061	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



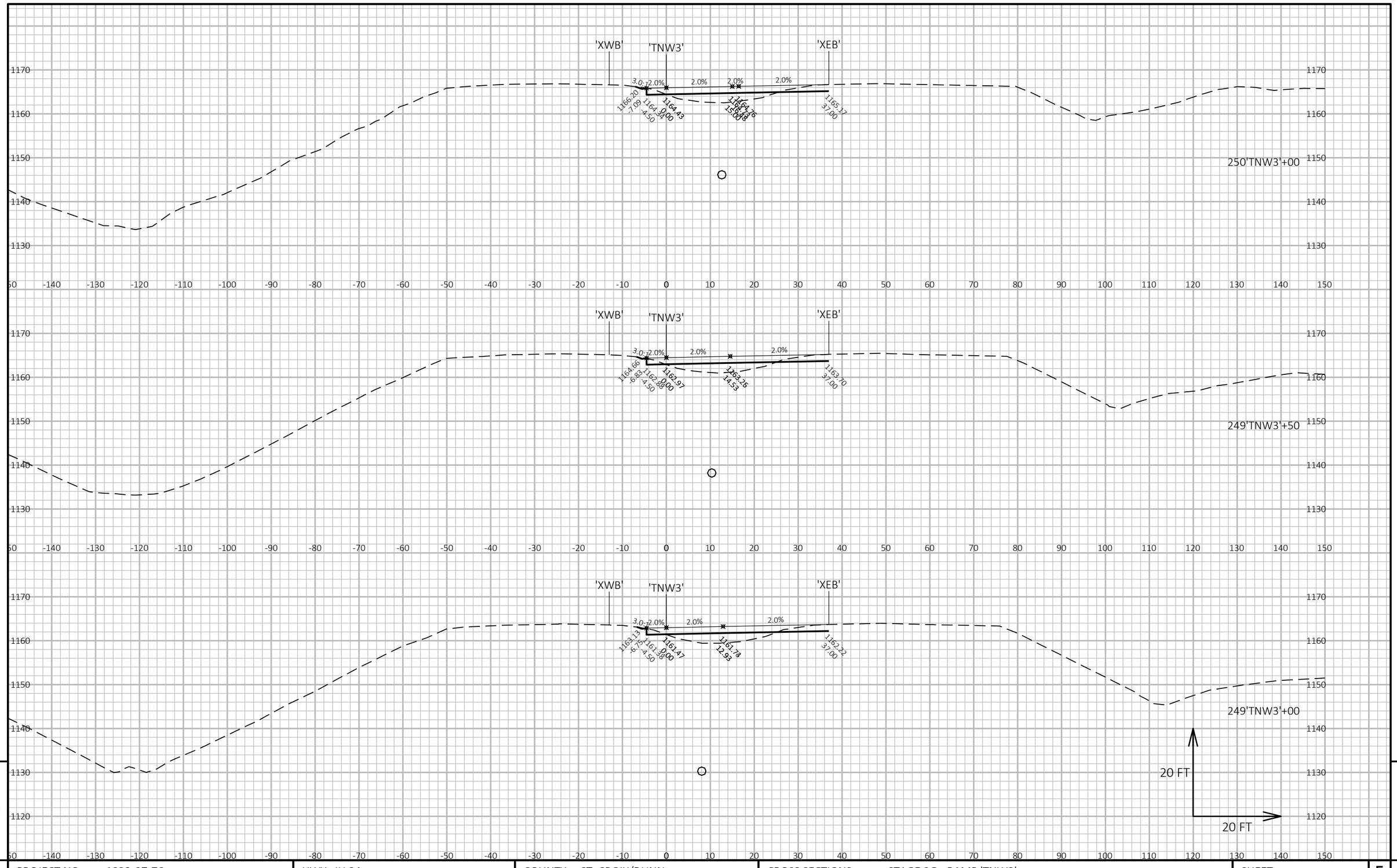
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - RAMP 'TNW3'	SHEET 1062	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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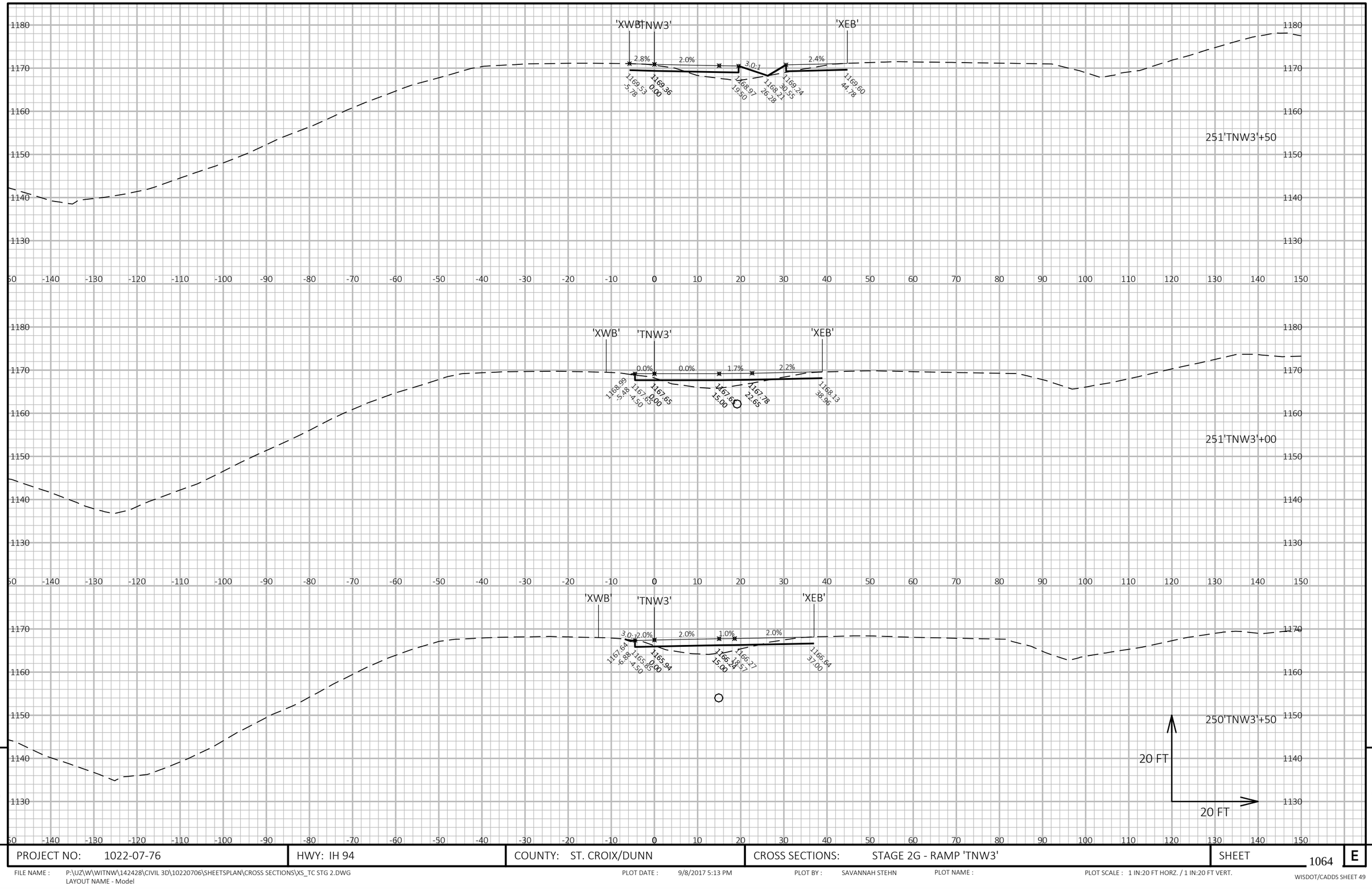
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - RAMP 'TNW3'	SHEET 1063	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

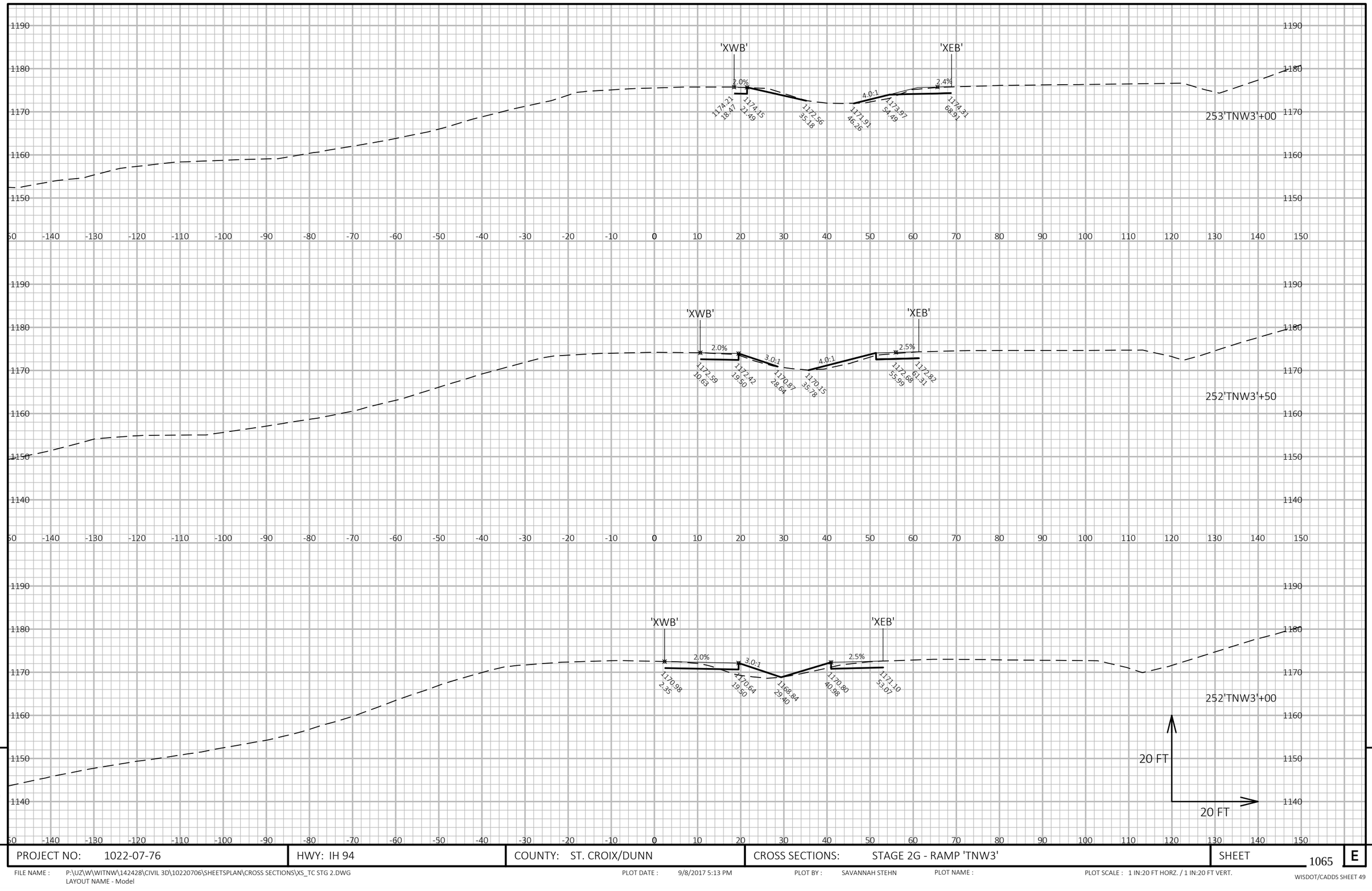


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - RAMP 'TNW3'	SHEET 1064 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



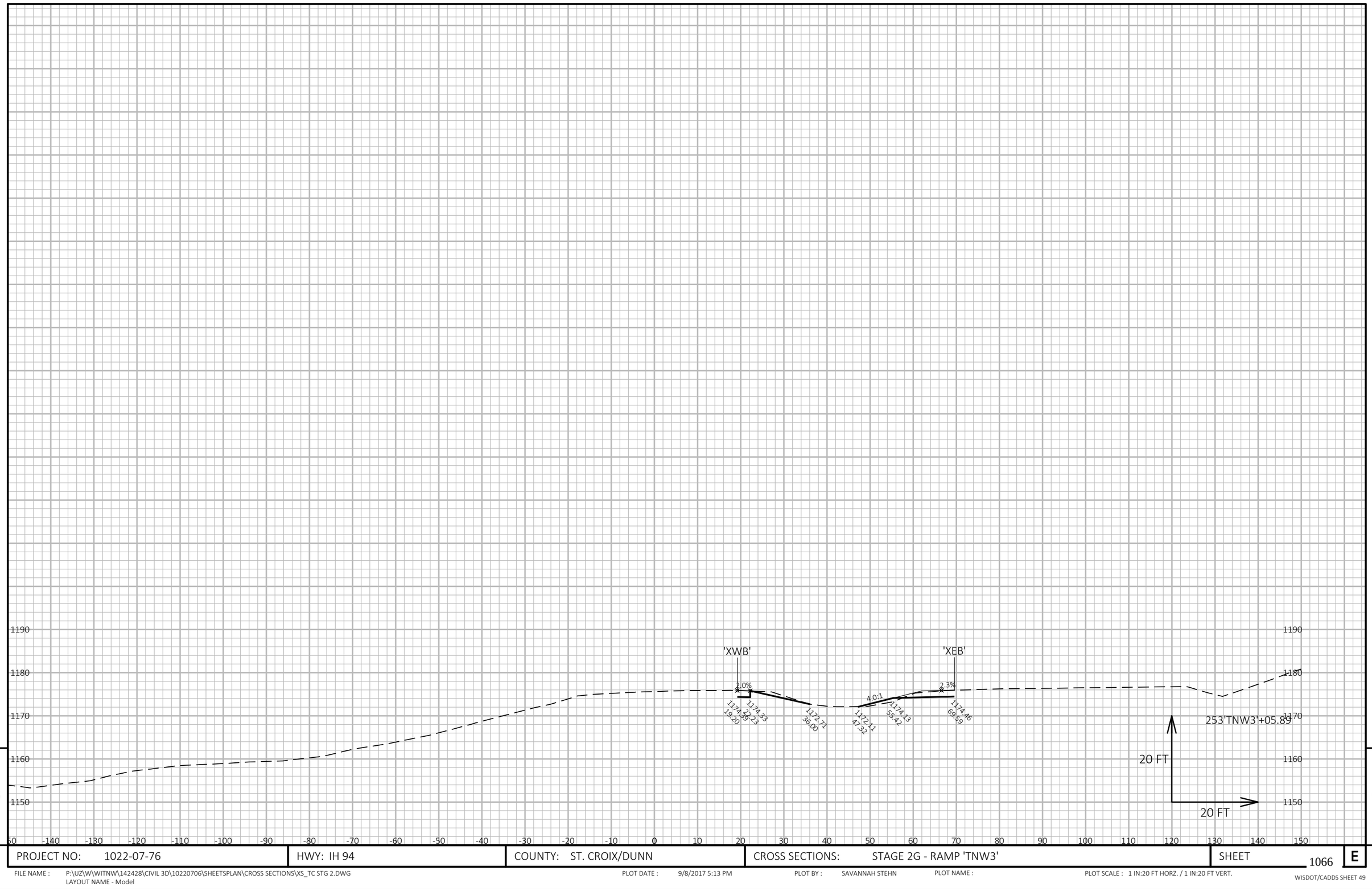
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - RAMP 'TNW3'	SHEET 1065	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model

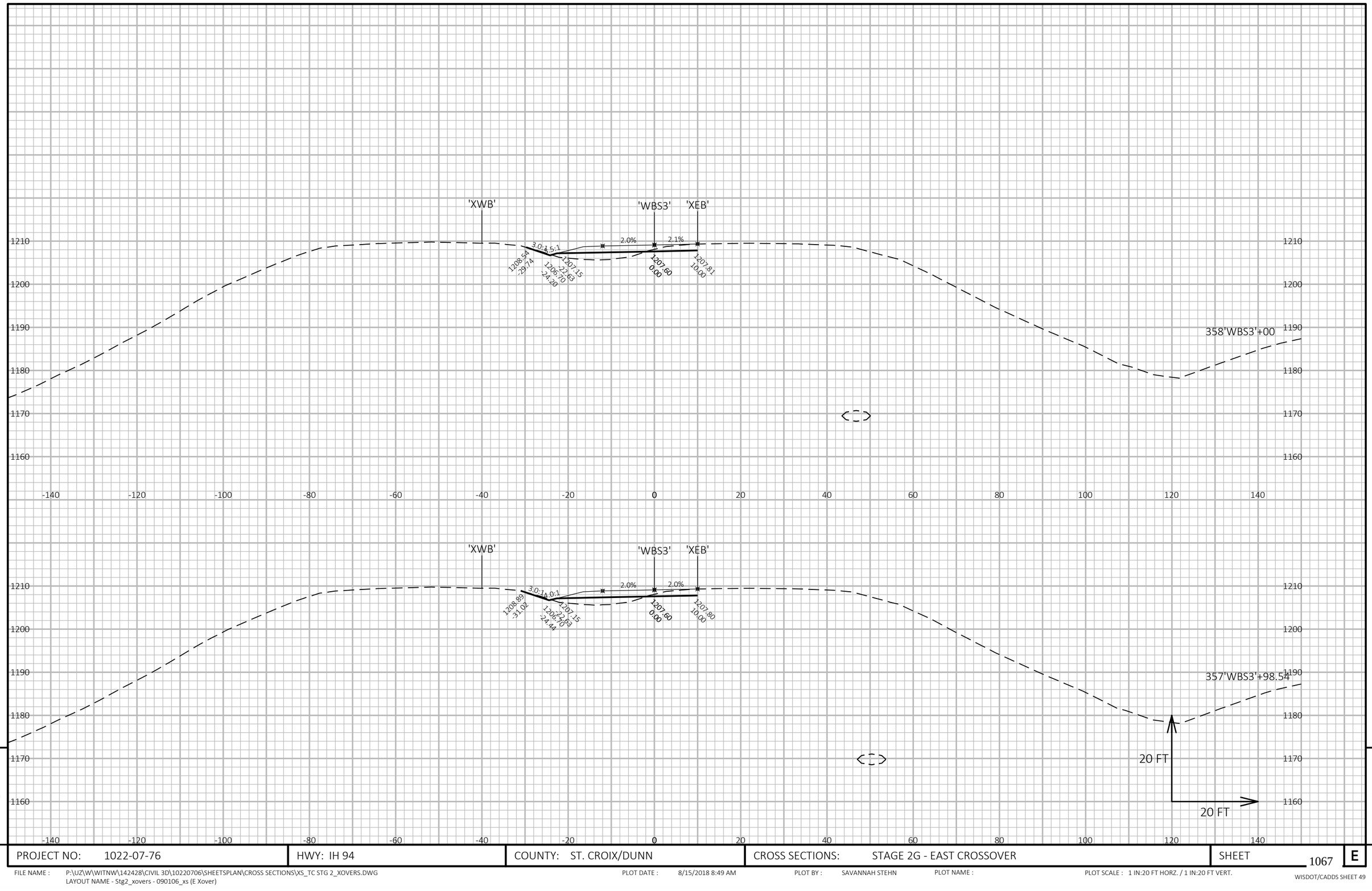
PLOT DATE : 9/8/2017 5:13 PM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - RAMP 'TNW3'	SHEET 1066	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2.DWG
LAYOUT NAME - Model
PLOT DATE : 9/8/2017 5:13 PM
PLOT BY : SAVANNAH STEHN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



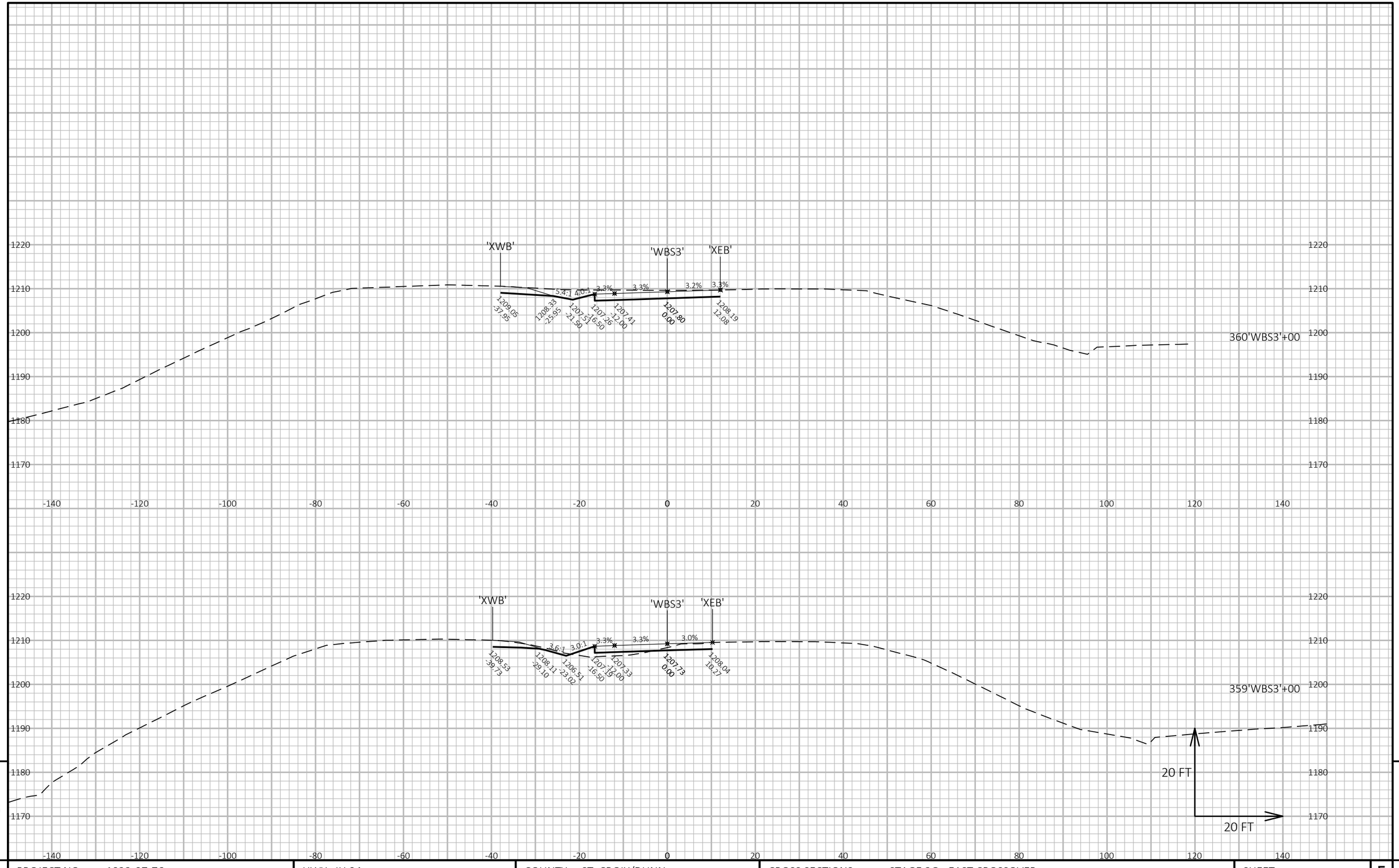
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - EAST CROSSOVER	SHEET 1067	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2_XOVERS.DWG
LAYOUT NAME - Stg2_xovers - 090106_xs (E Xover)

PLOT DATE : 8/15/2018 8:49 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



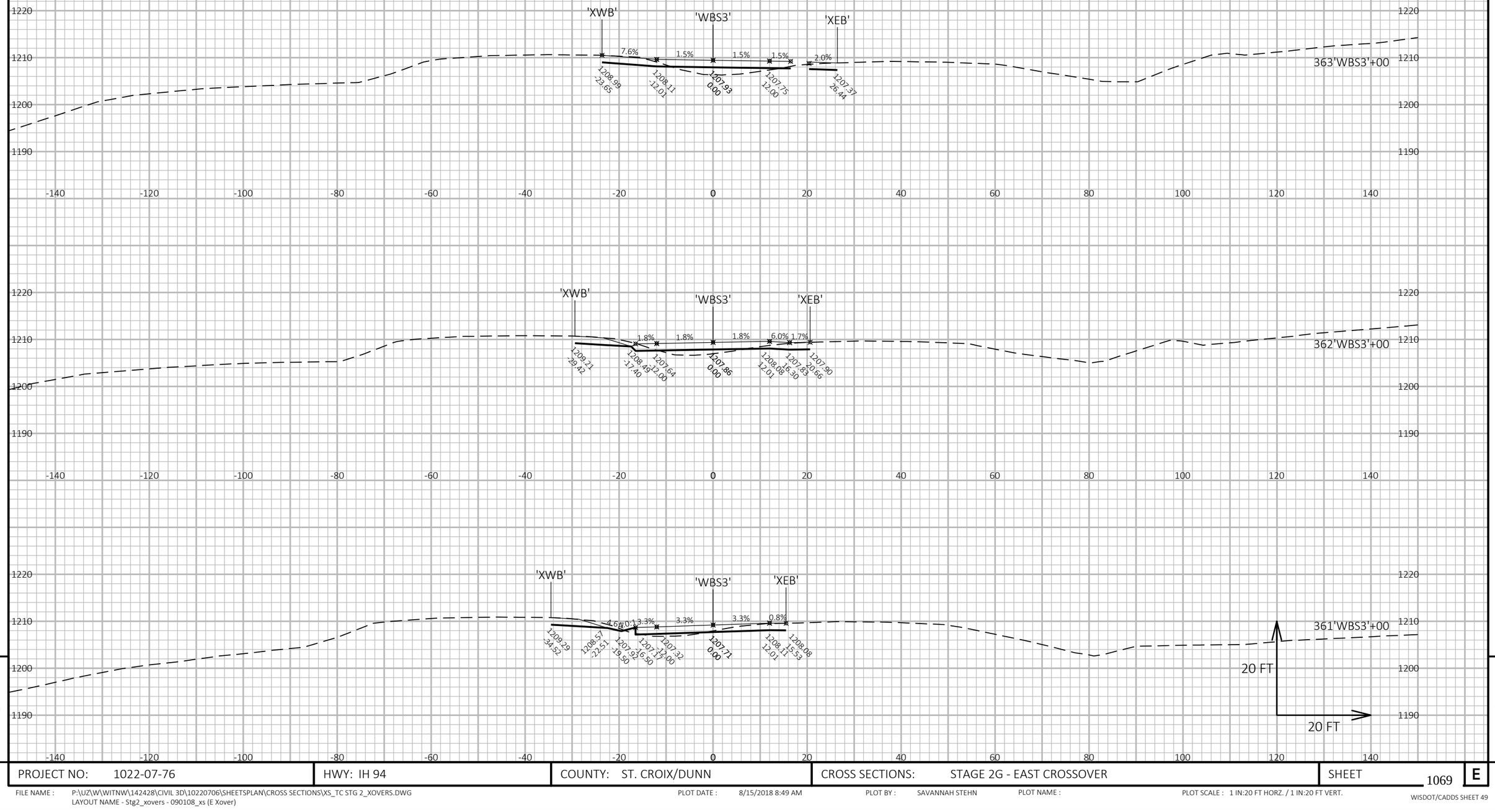
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - EAST CROSSOVER	SHEET 1068	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2_XOVERS.DWG
LAYOUT NAME - Stg2_xovers - 090107_xs (E Xover)

PLOT DATE : 8/15/2018 8:49 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



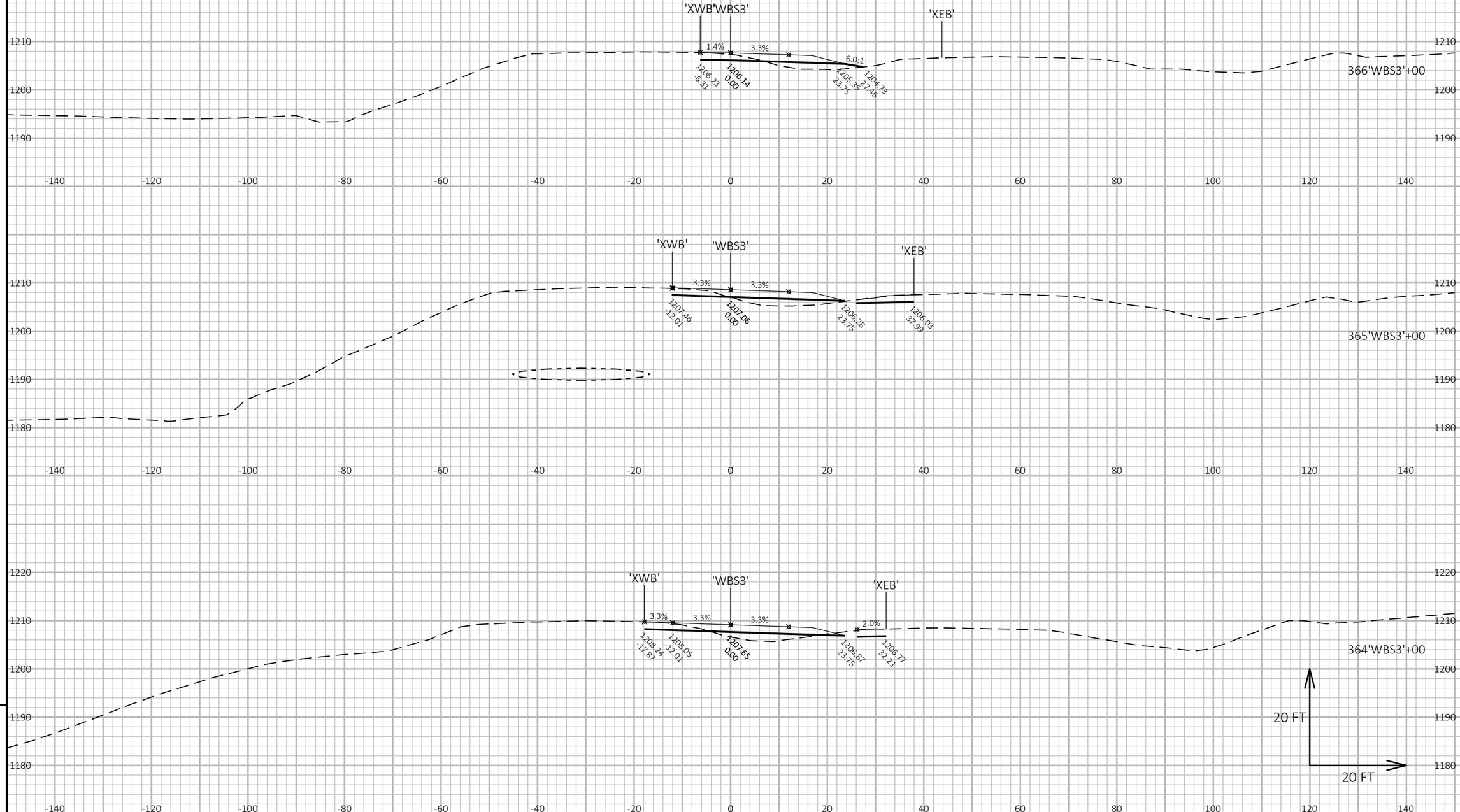
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - EAST CROSSOVER	SHEET 1069	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2_XOVERS.DWG
LAYOUT NAME - Stg2_xovers - 090108_xs (E Xover)

PLOT DATE : 8/15/2018 8:49 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



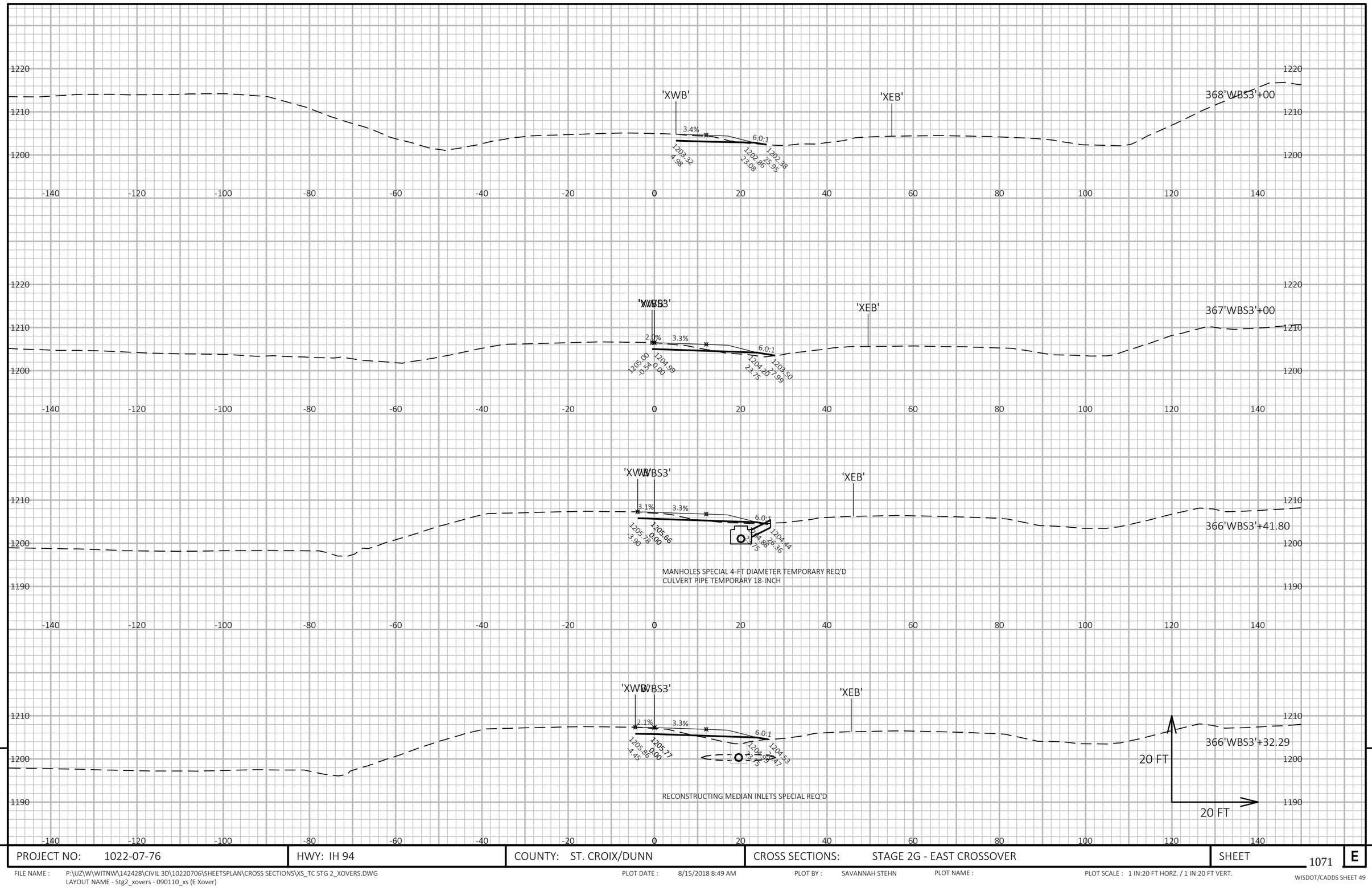
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - EAST CROSSOVER	SHEET 1070	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2_XOVERS.DWG
LAYOUT NAME - Stg2_xovers - 090109_xs (E Xover)

PLOT DATE : 8/15/2018 8:49 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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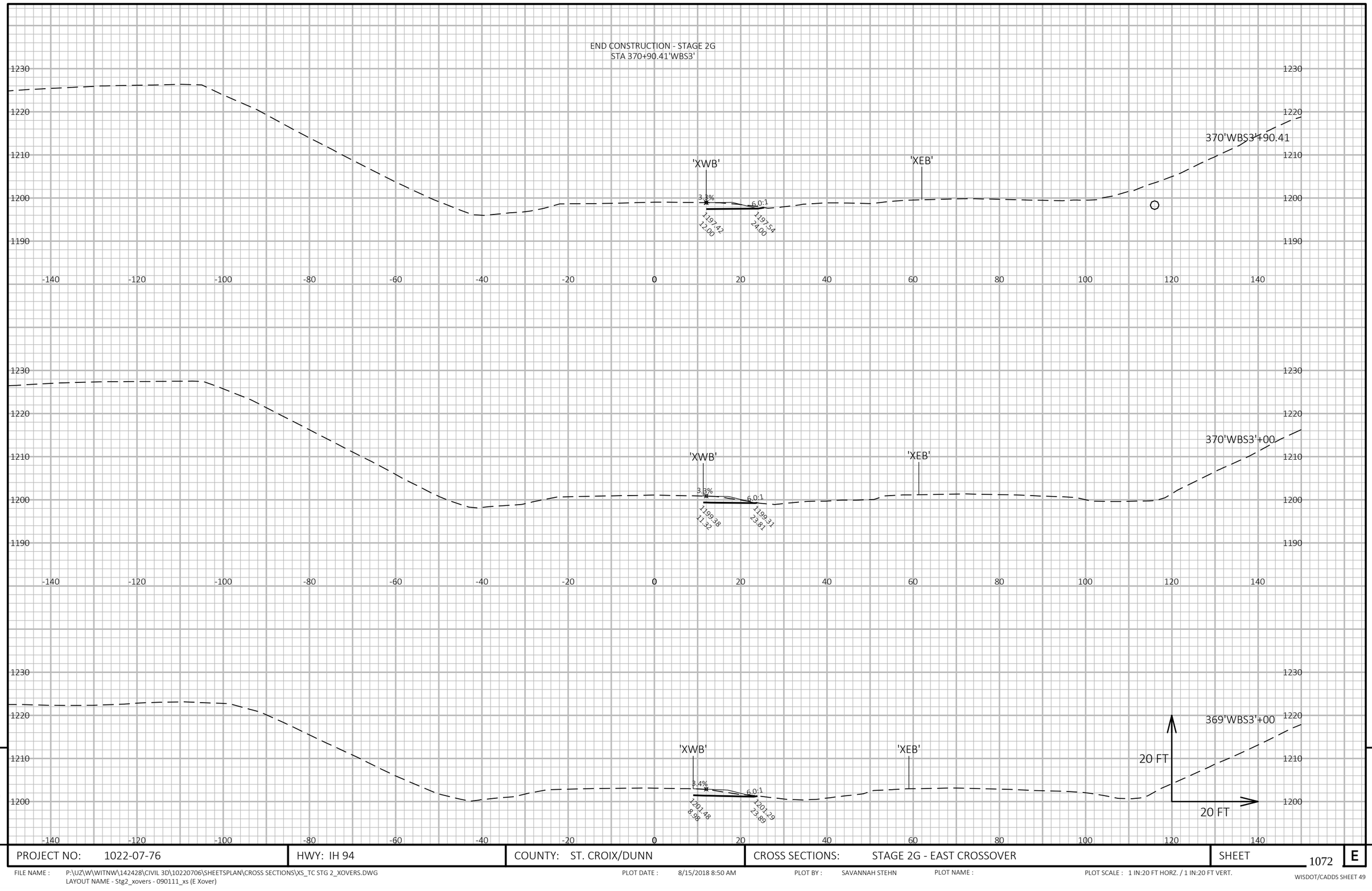
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - EAST CROSSOVER	SHEET 1071	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2_XOVERS.DWG
LAYOUT NAME - Stg2_xovers - 090110_xs (E Xover)

PLOT DATE : 8/15/2018 8:49 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

END CONSTRUCTION - STAGE 2G
STA 370+90.41'WBS3'



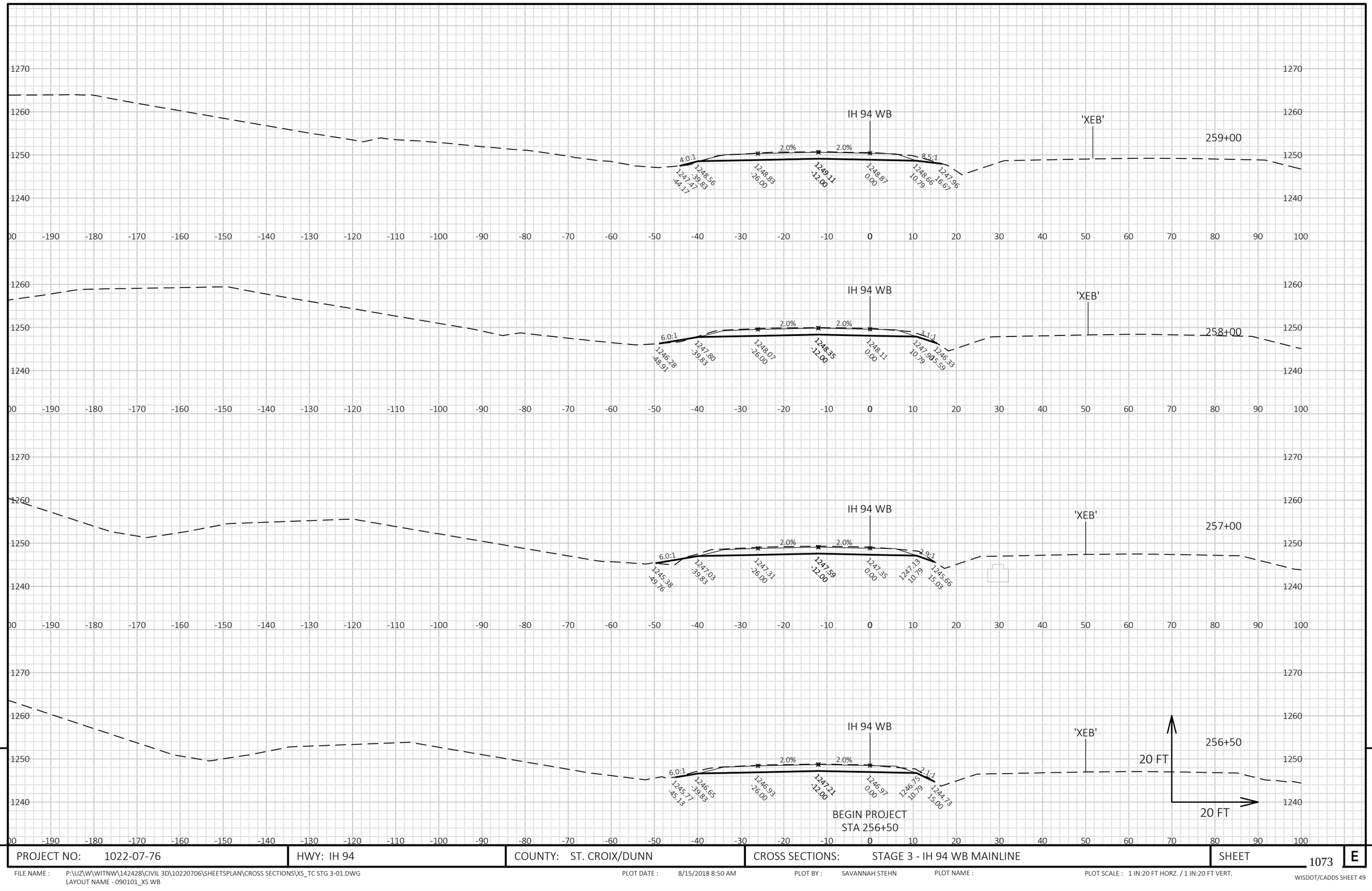
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 2G - EAST CROSSOVER	SHEET 1072	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 2_XOVERS.DWG
LAYOUT NAME - Stg2_xovers - 090111_xs (E Xover)

PLOT DATE : 8/15/2018 8:50 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

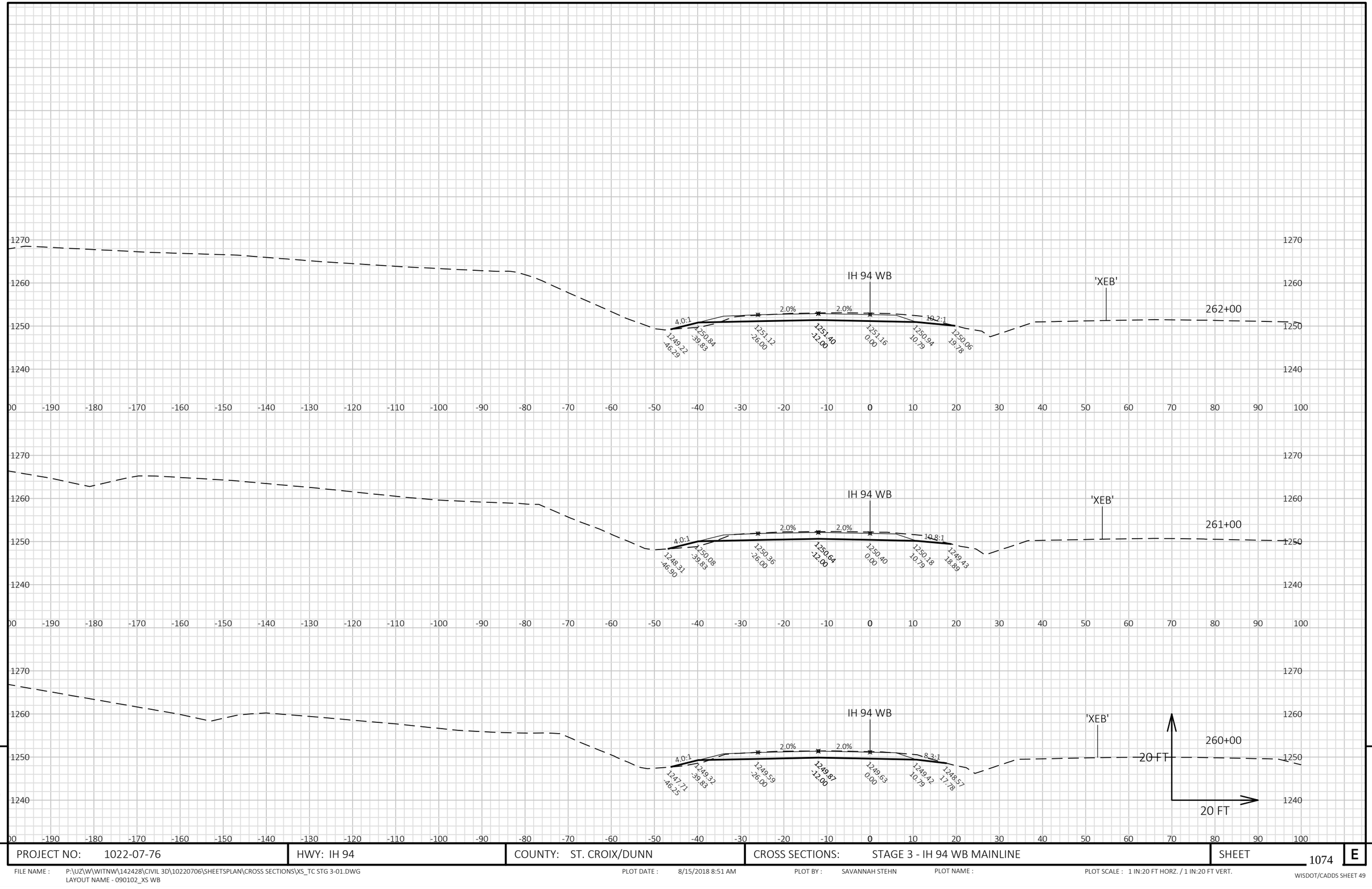
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1073 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090101_XS WB

PLOT DATE : 8/15/2018 8:50 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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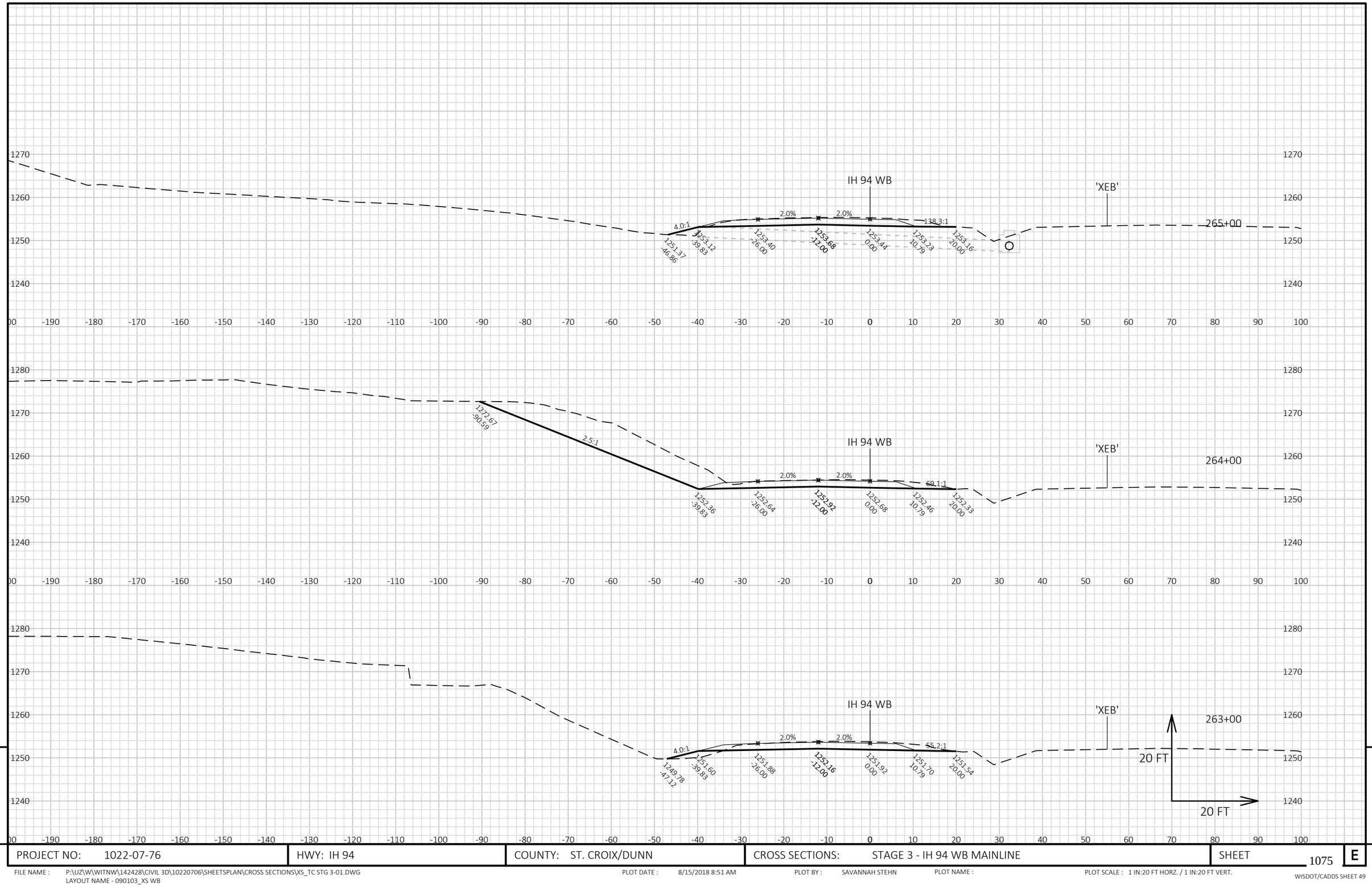
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1074	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090102_XS WB

PLOT DATE : 8/15/2018 8:51 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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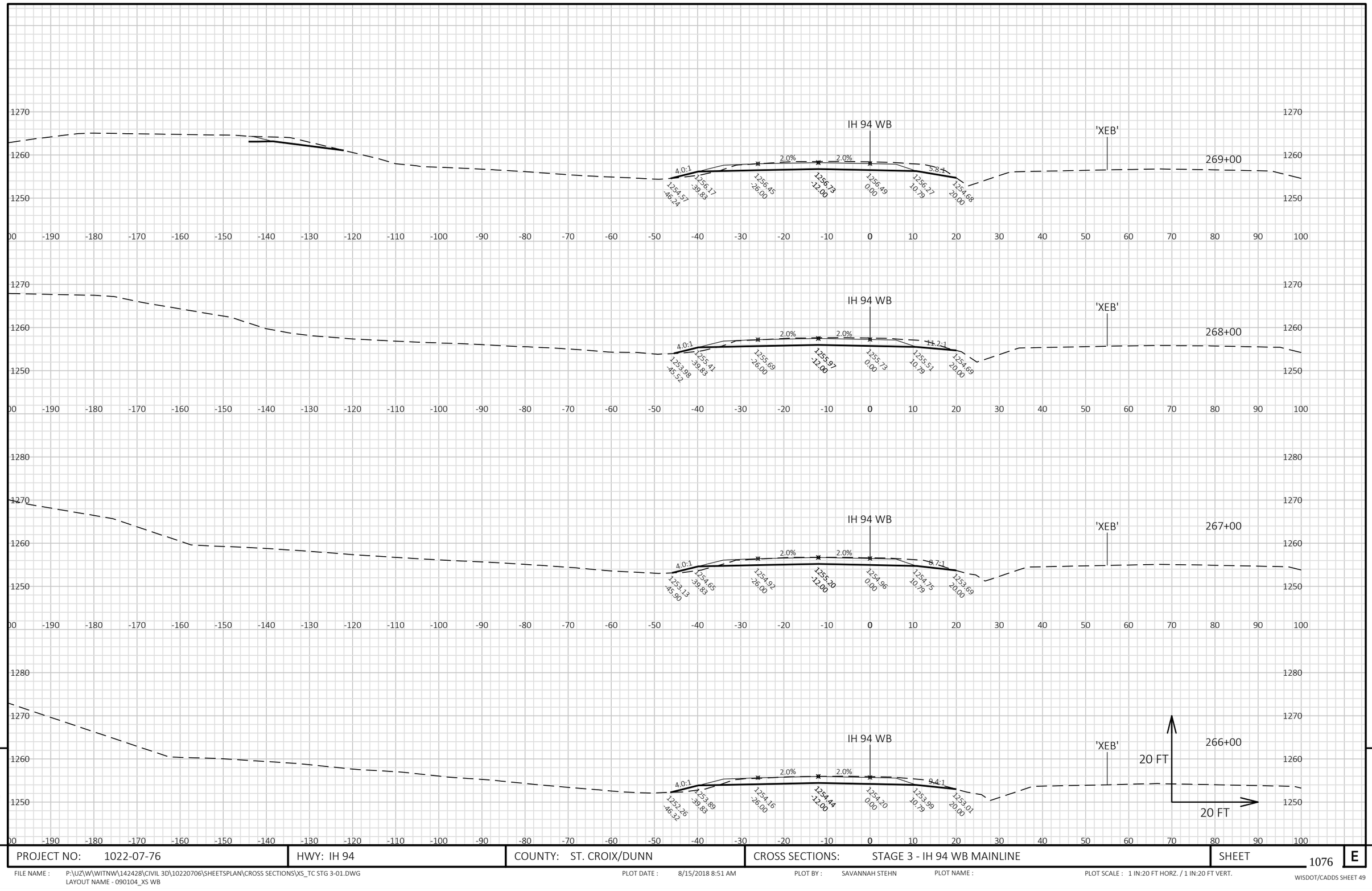
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1075	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090103_XS WB

PLOT DATE : 8/15/2018 8:51 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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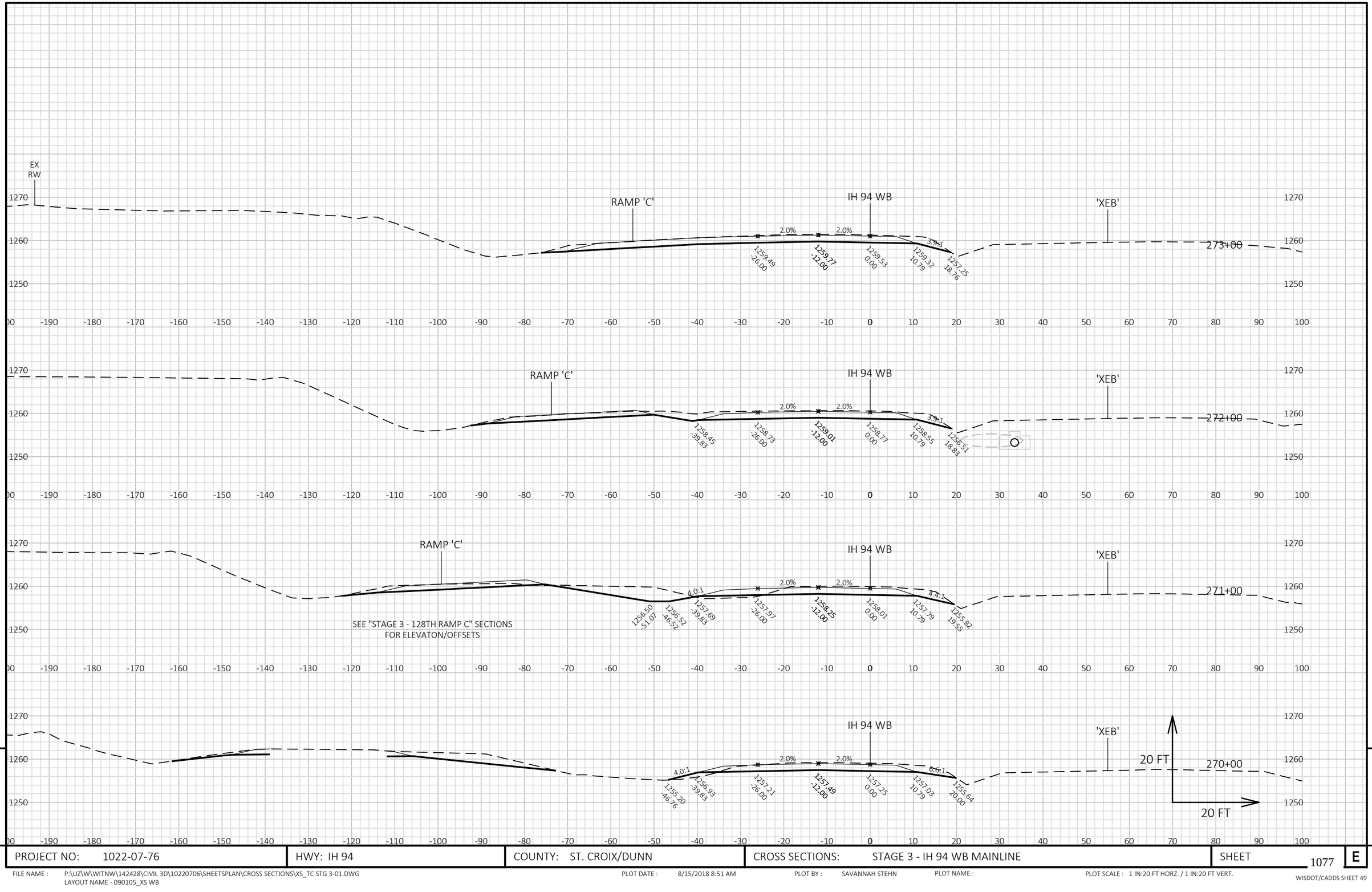
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1076	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090104_XS WB

PLOT DATE : 8/15/2018 8:51 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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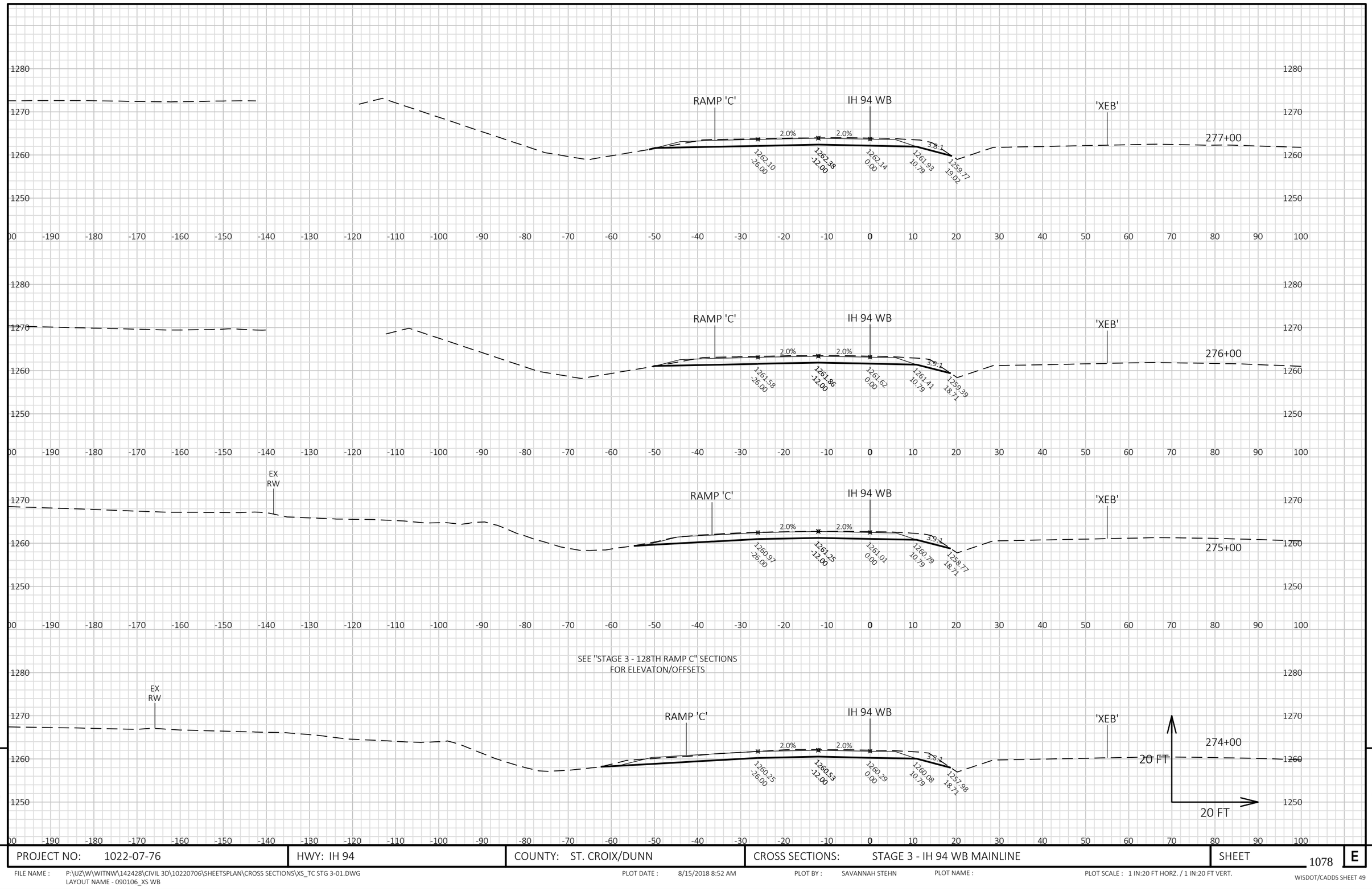
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1077	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090105_XS WB

PLOT DATE : 8/15/2018 8:51 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



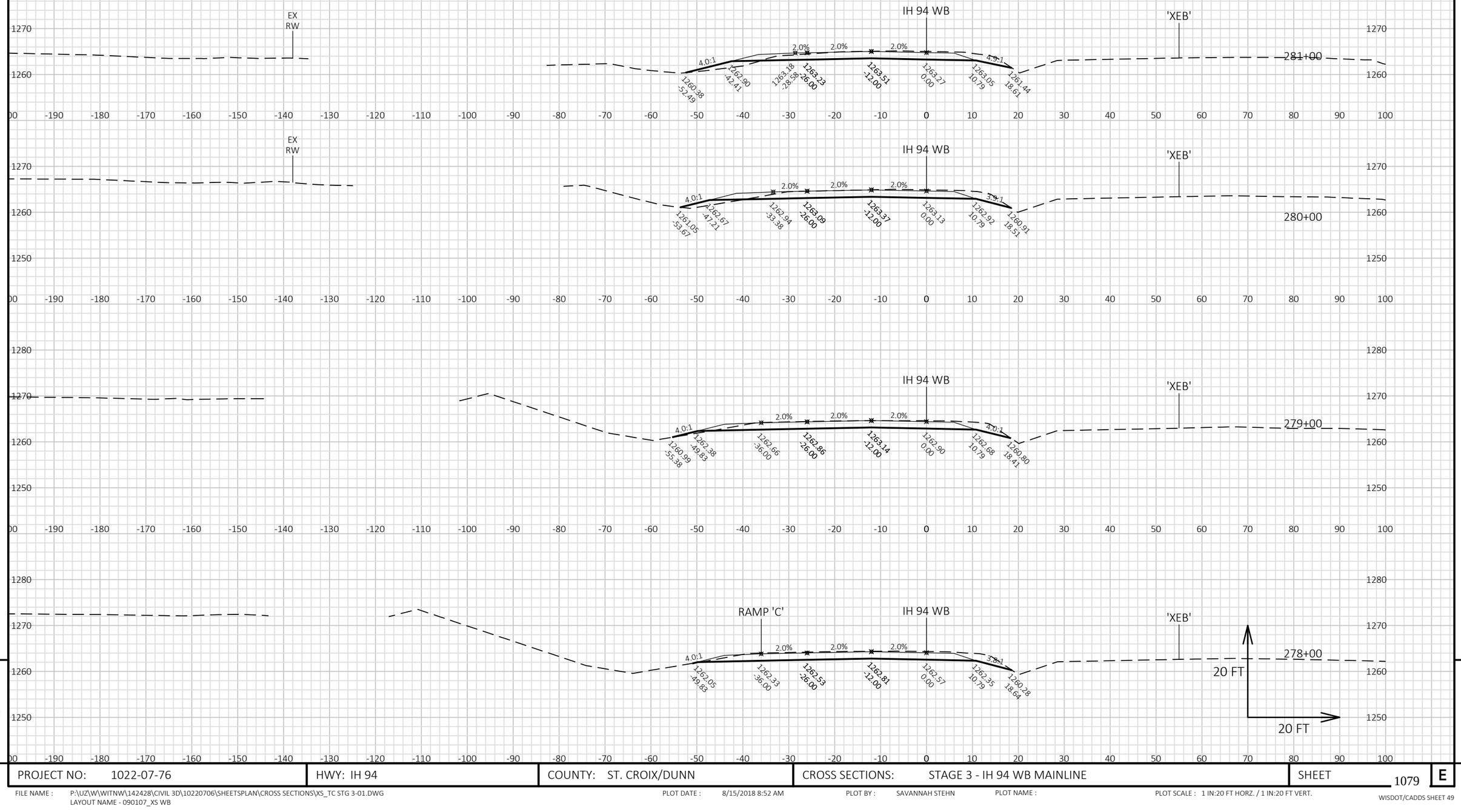
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1078 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090106_XS WB

PLOT DATE : 8/15/2018 8:52 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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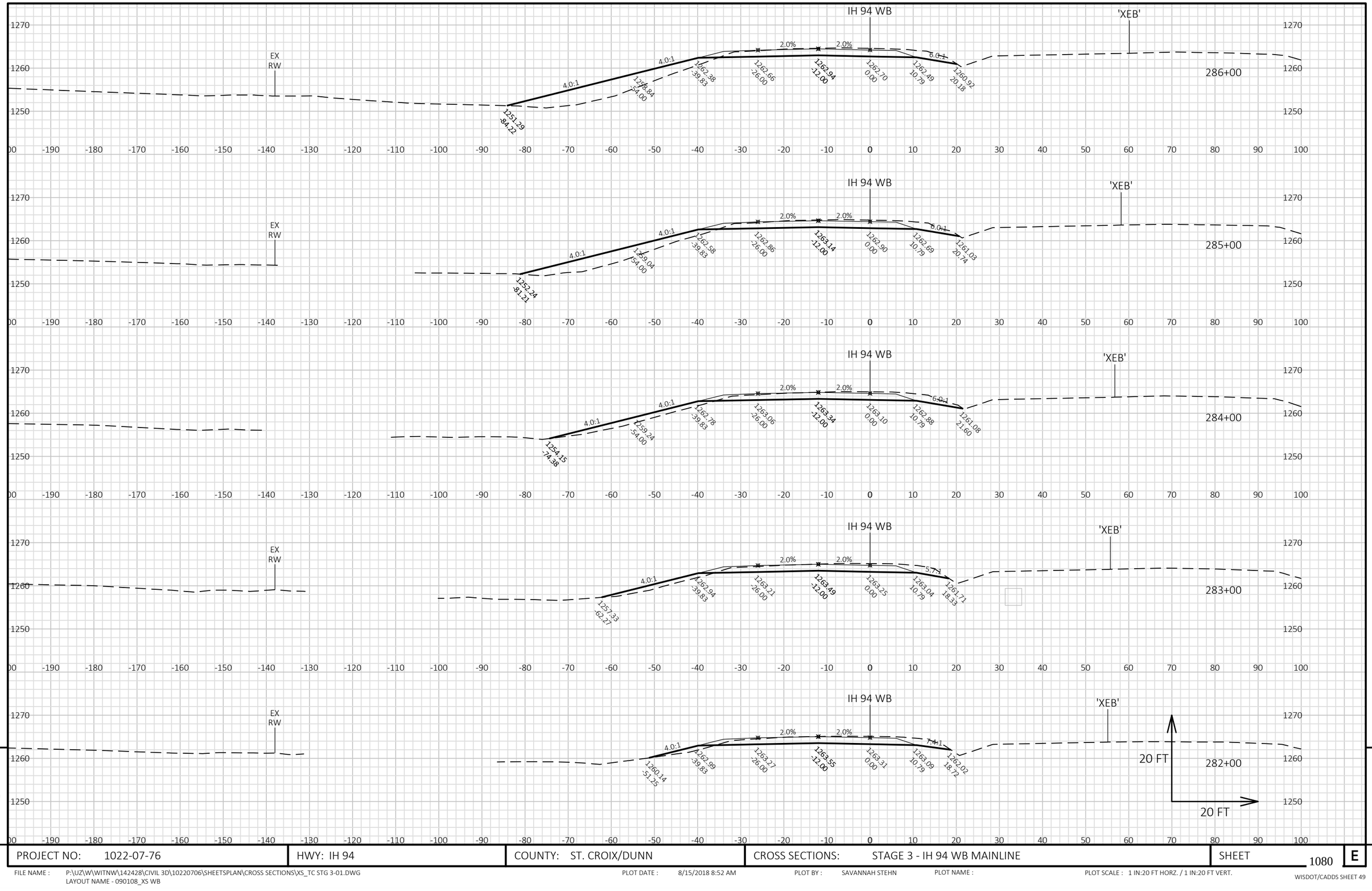
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1079 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090107_XS WB

PLOT DATE : 8/15/2018 8:52 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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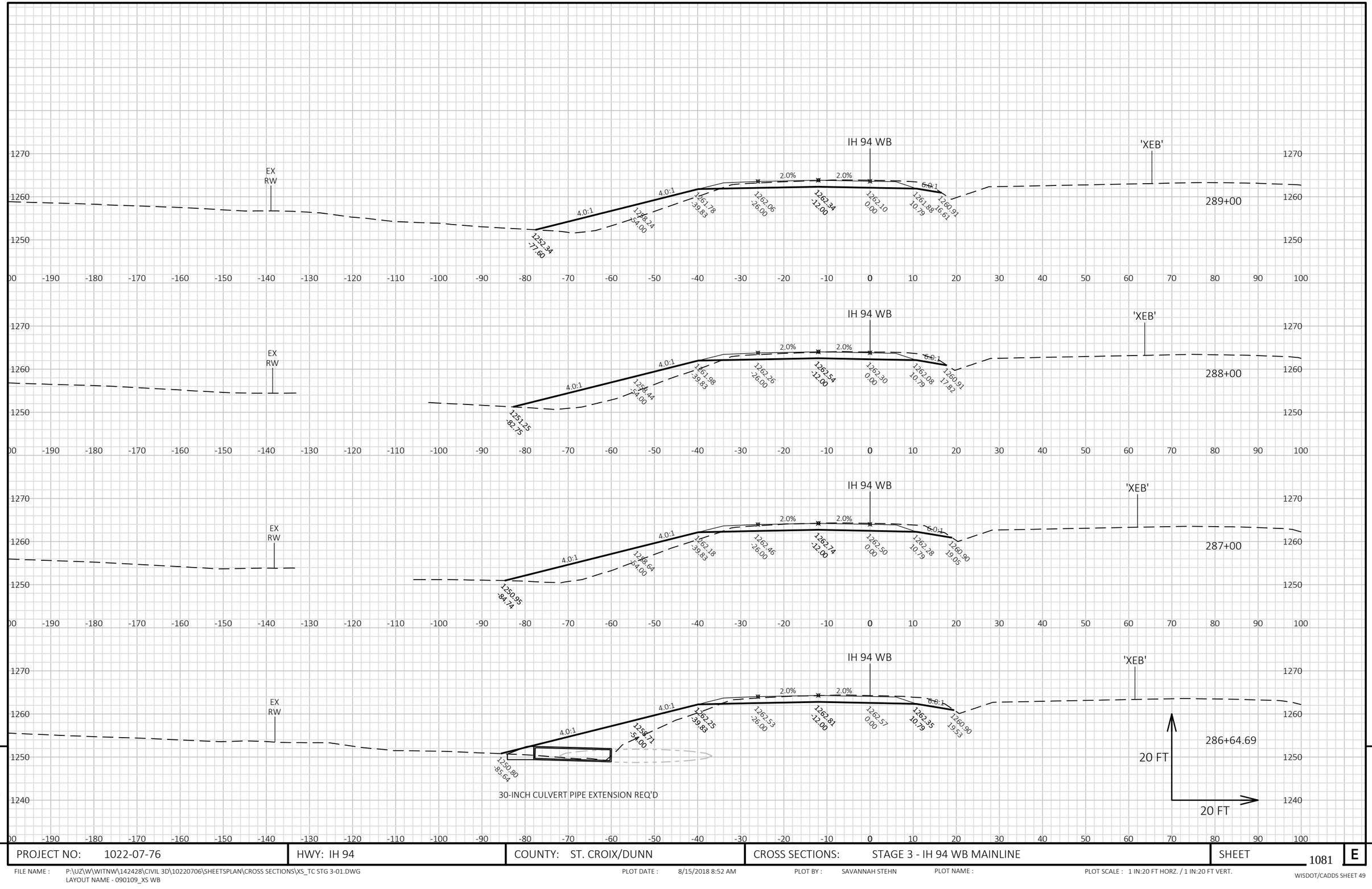


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1080 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090108_XS WB

PLOT DATE : 8/15/2018 8:52 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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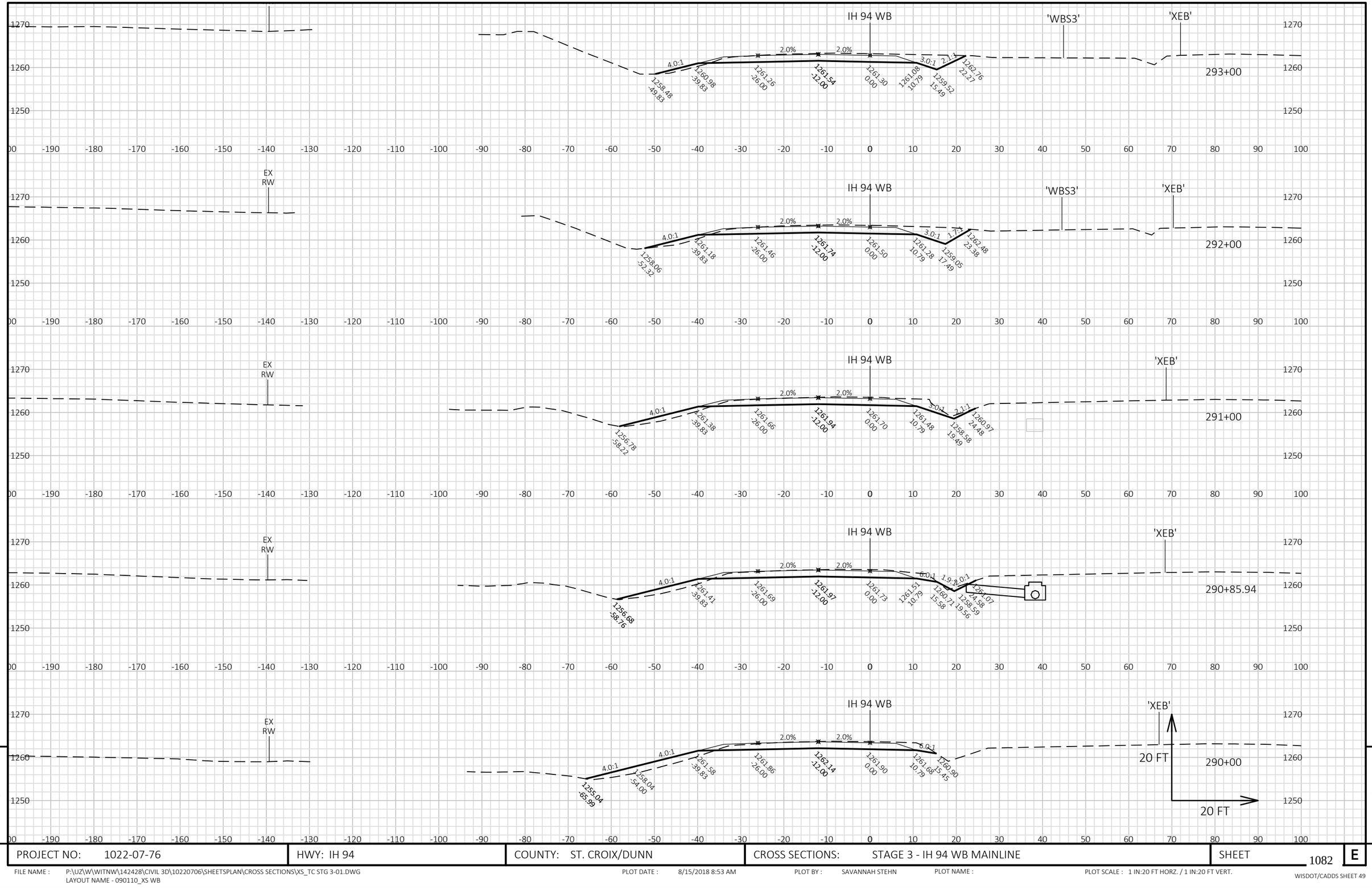
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1081	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090109_XS WB

PLOT DATE : 8/15/2018 8:52 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

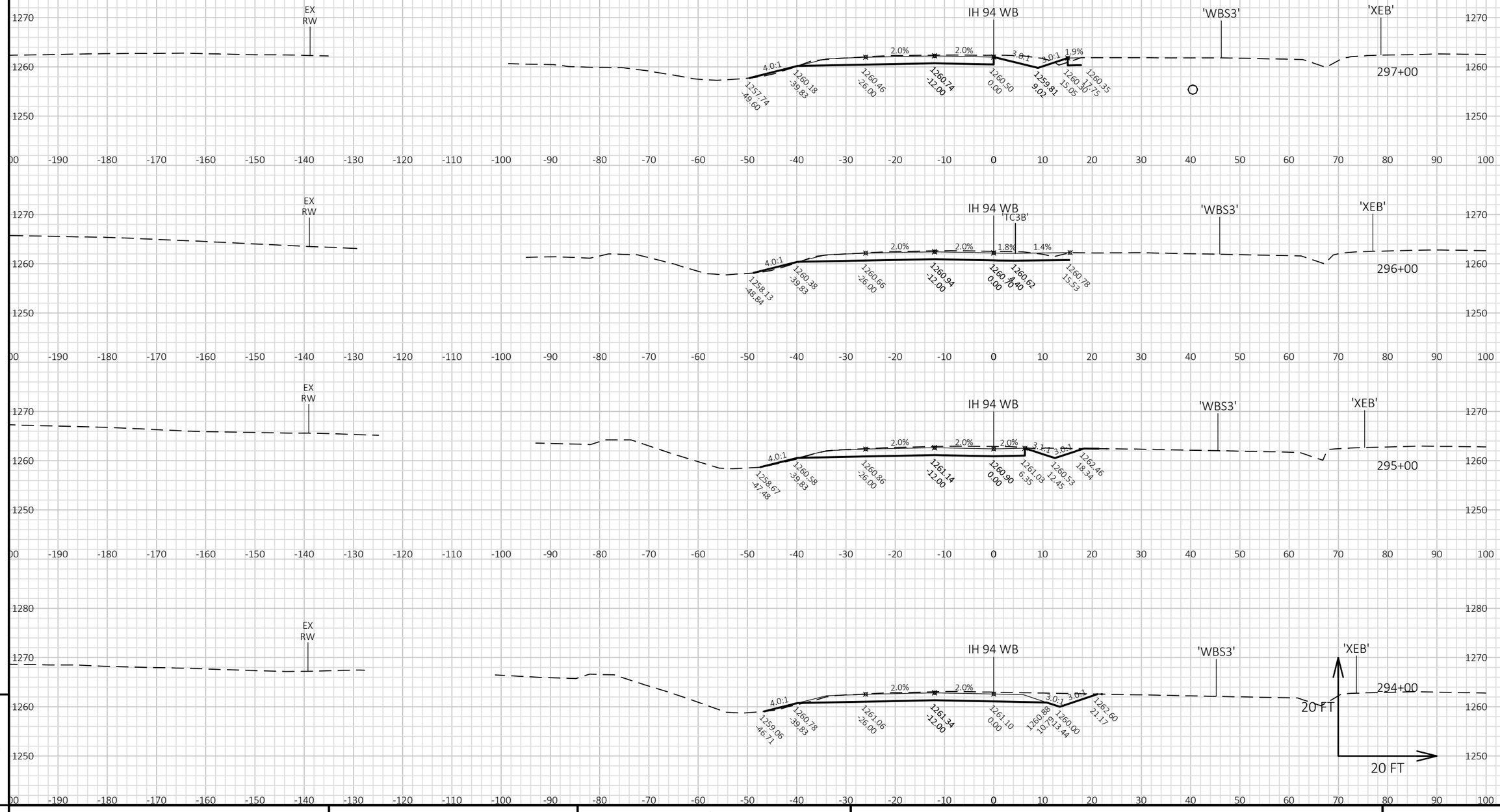


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1082	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090110_XS WB

PLOT DATE : 8/15/2018 8:53 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



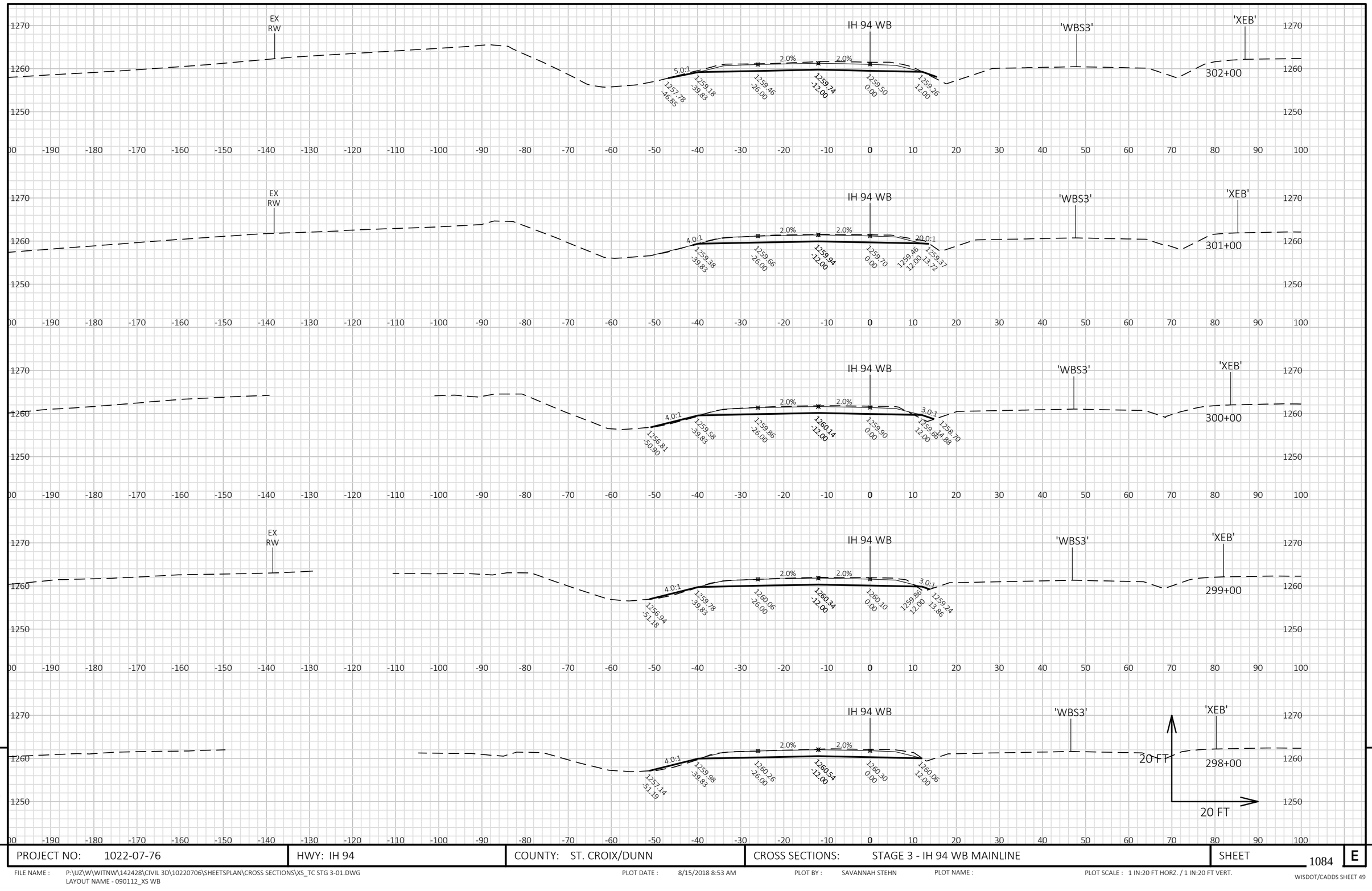
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1083	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090111_XS WB

PLOT DATE : 8/15/2018 8:53 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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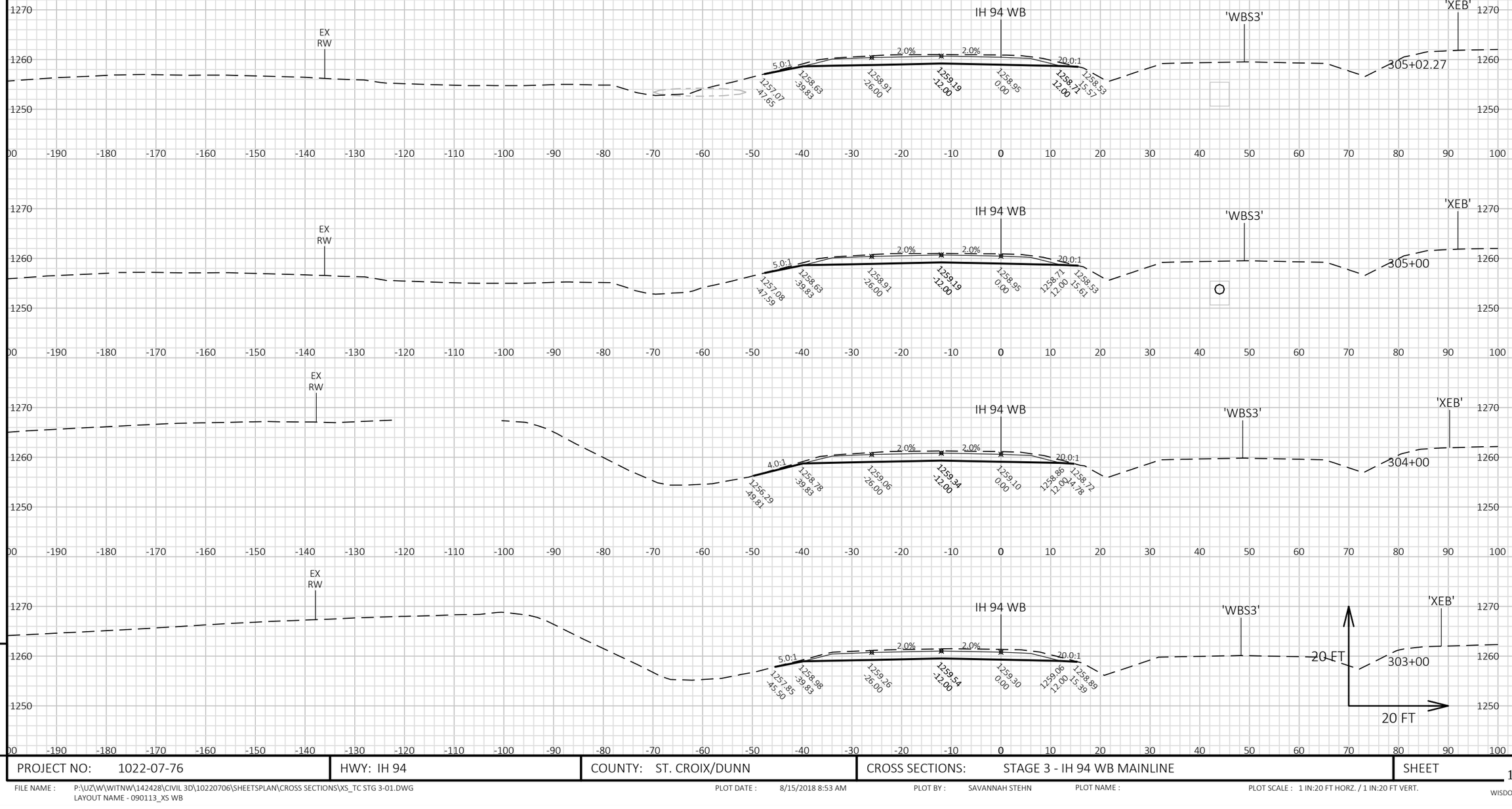
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1084	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090112_XS WB

PLOT DATE : 8/15/2018 8:53 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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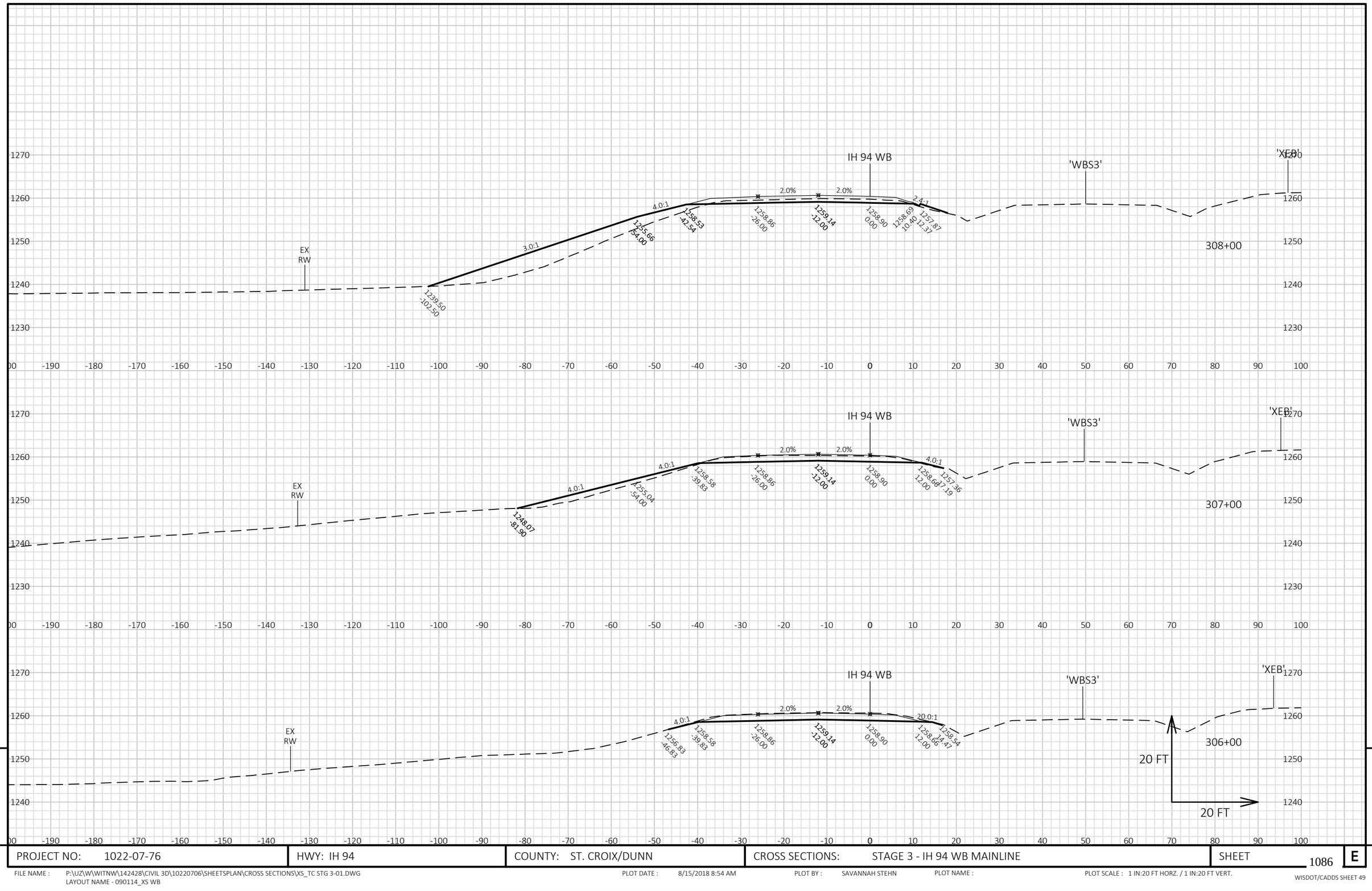
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1085	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090113_XS WB

PLOT DATE : 8/15/2018 8:53 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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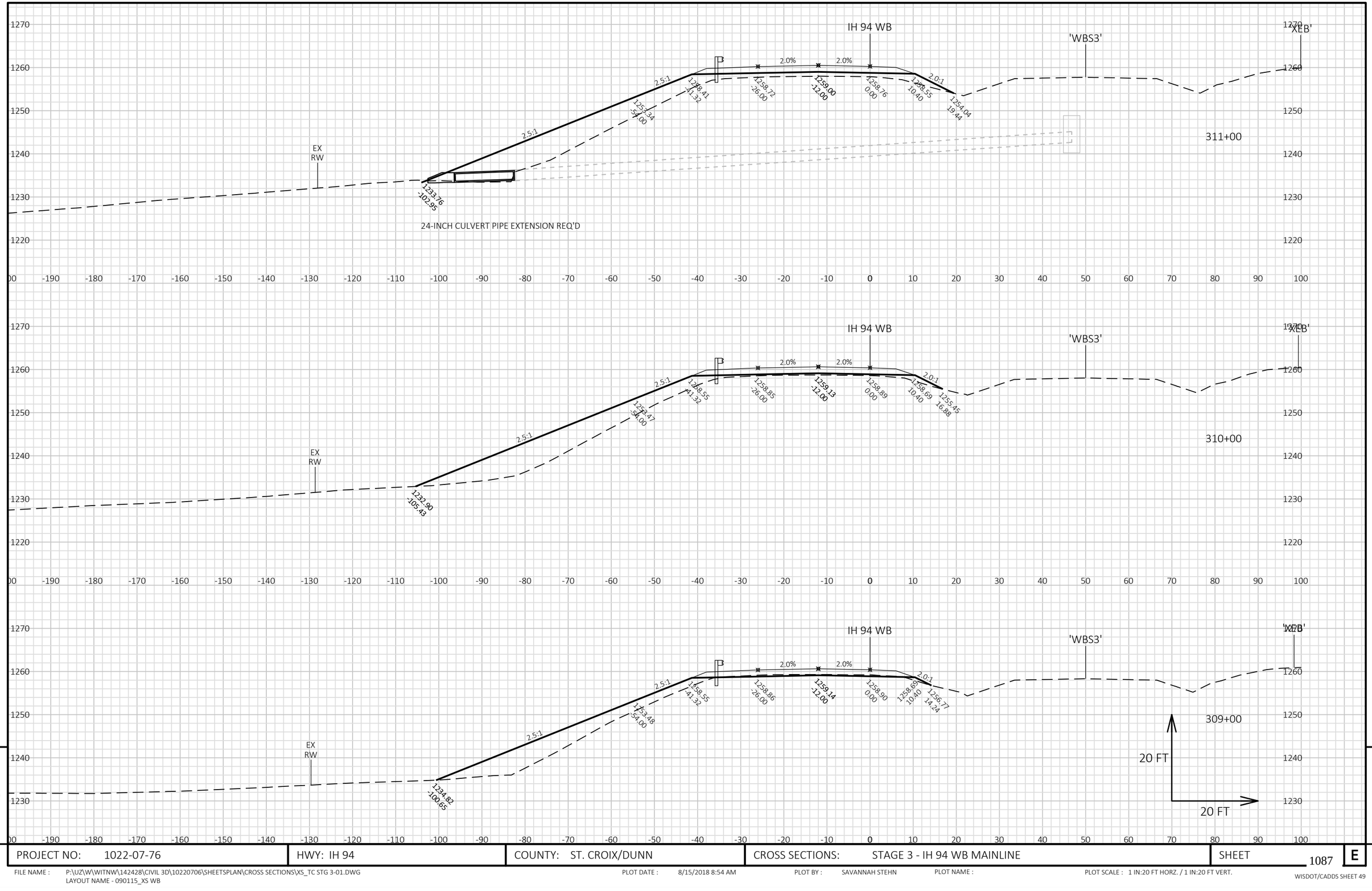
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1086 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090114_XS WB

PLOT DATE : 8/15/2018 8:54 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

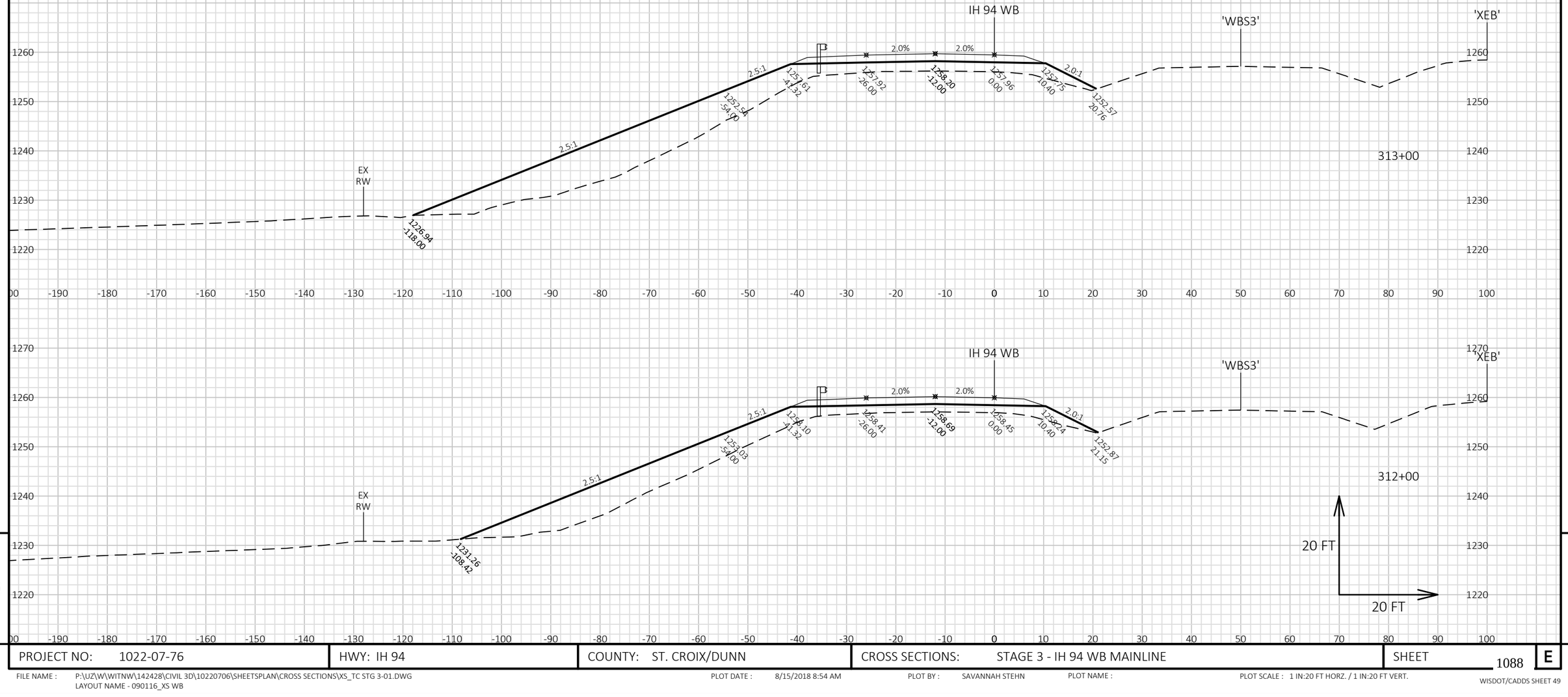


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1087 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090115_XS WB

PLOT DATE : 8/15/2018 8:54 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



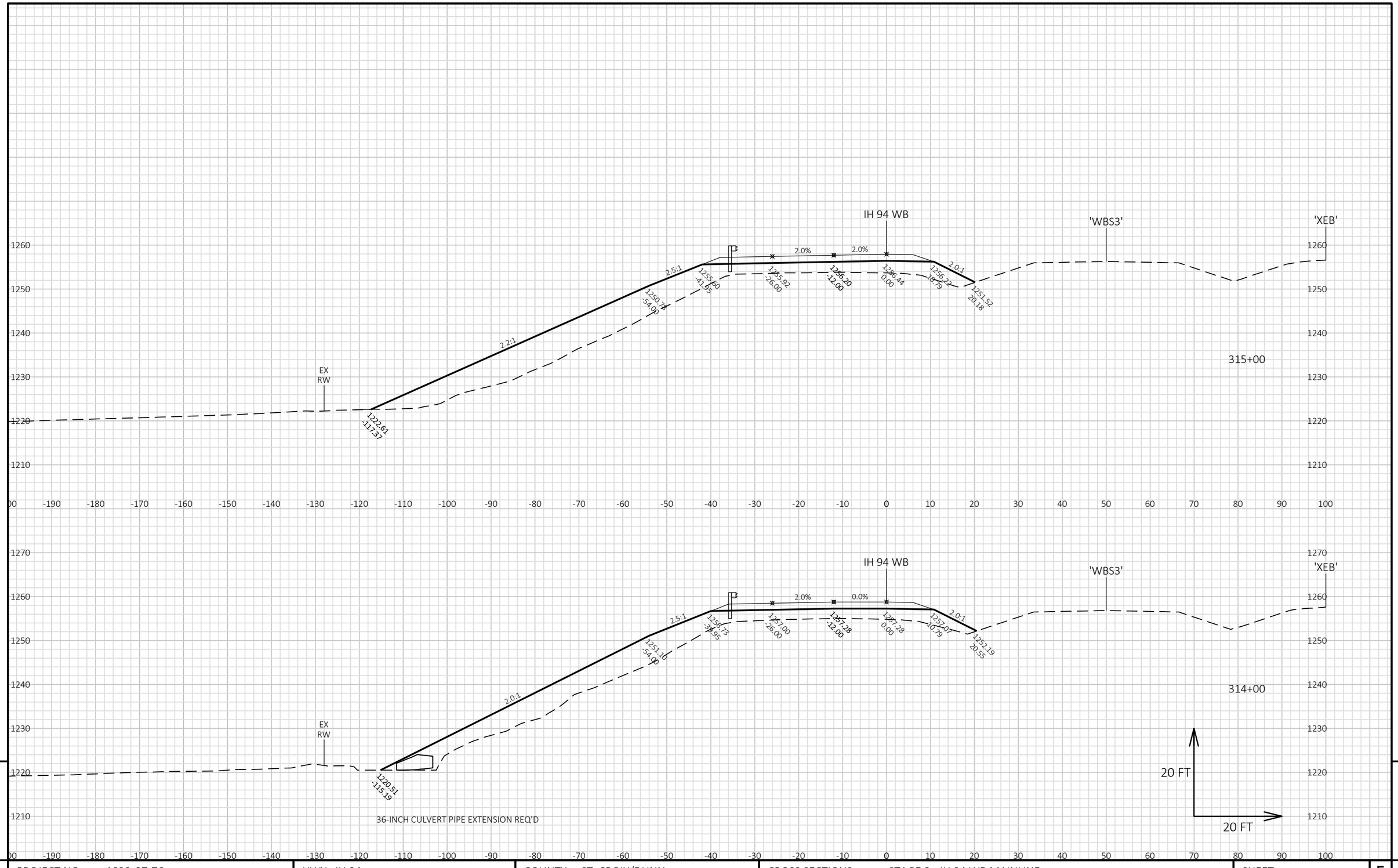
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1088	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090116_XS WB

PLOT DATE : 8/15/2018 8:54 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



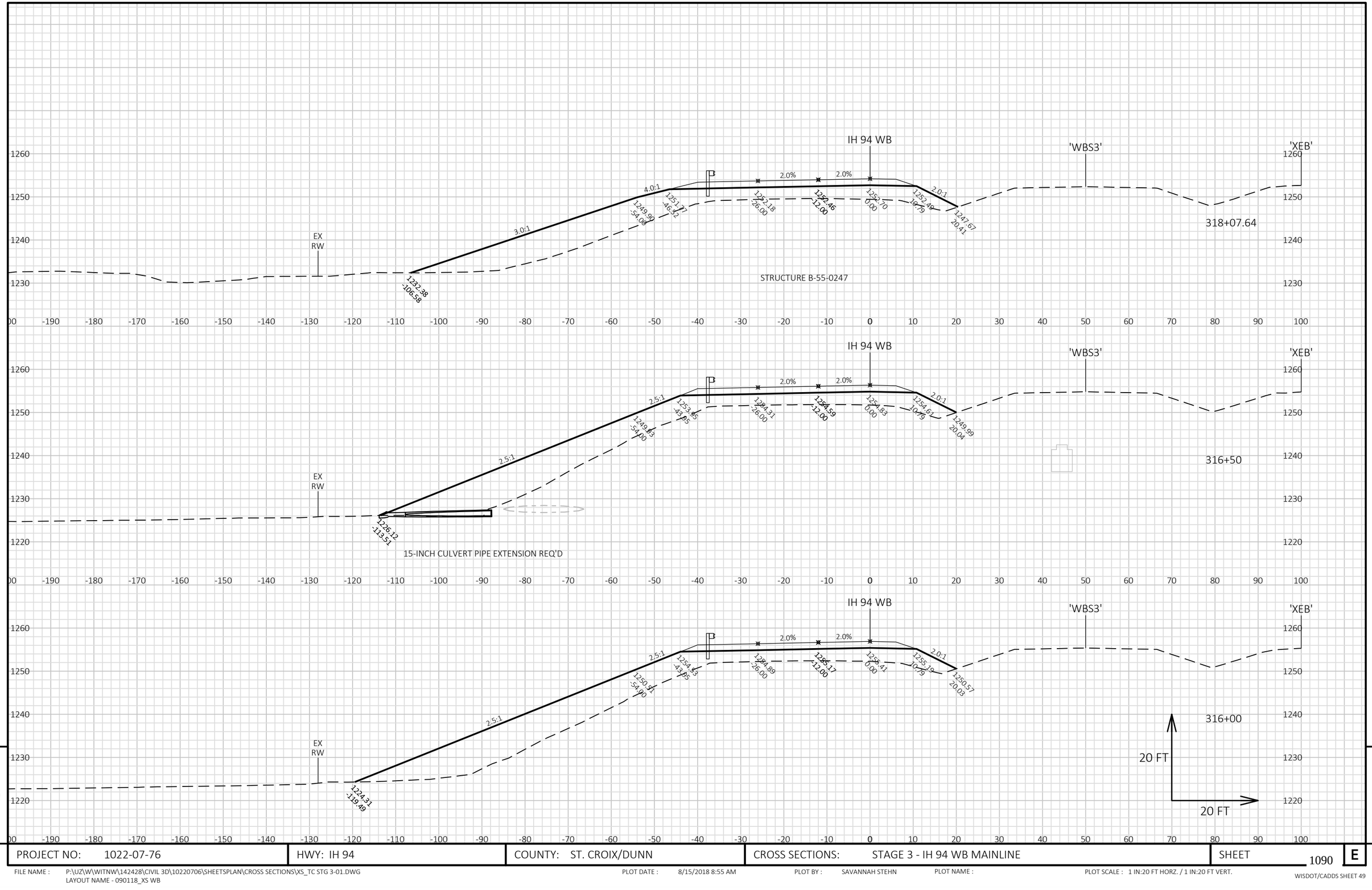
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1089	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090117_XS WB

PLOT DATE : 8/15/2018 8:54 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

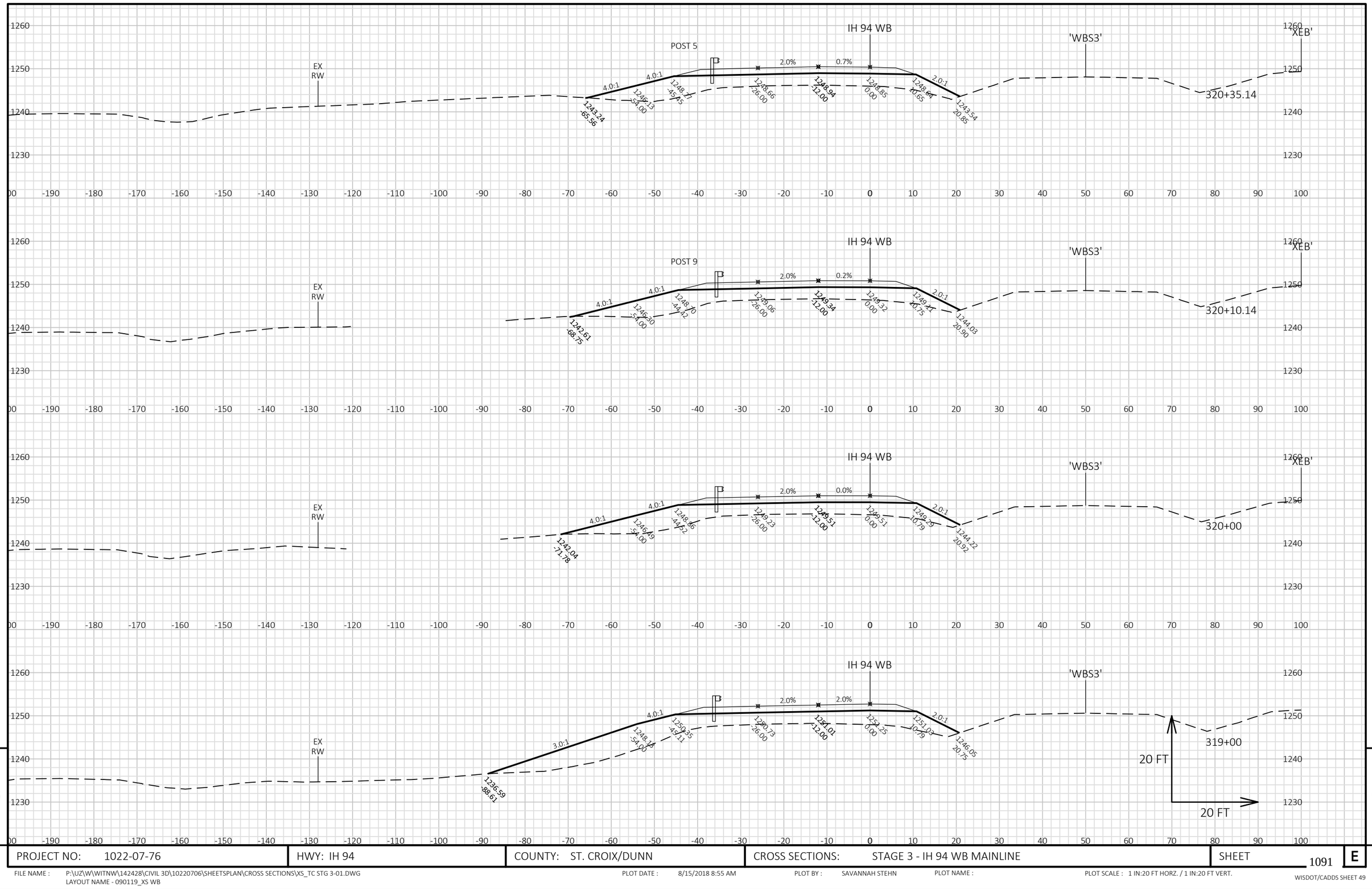


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1090 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090118_XS WB

PLOT DATE : 8/15/2018 8:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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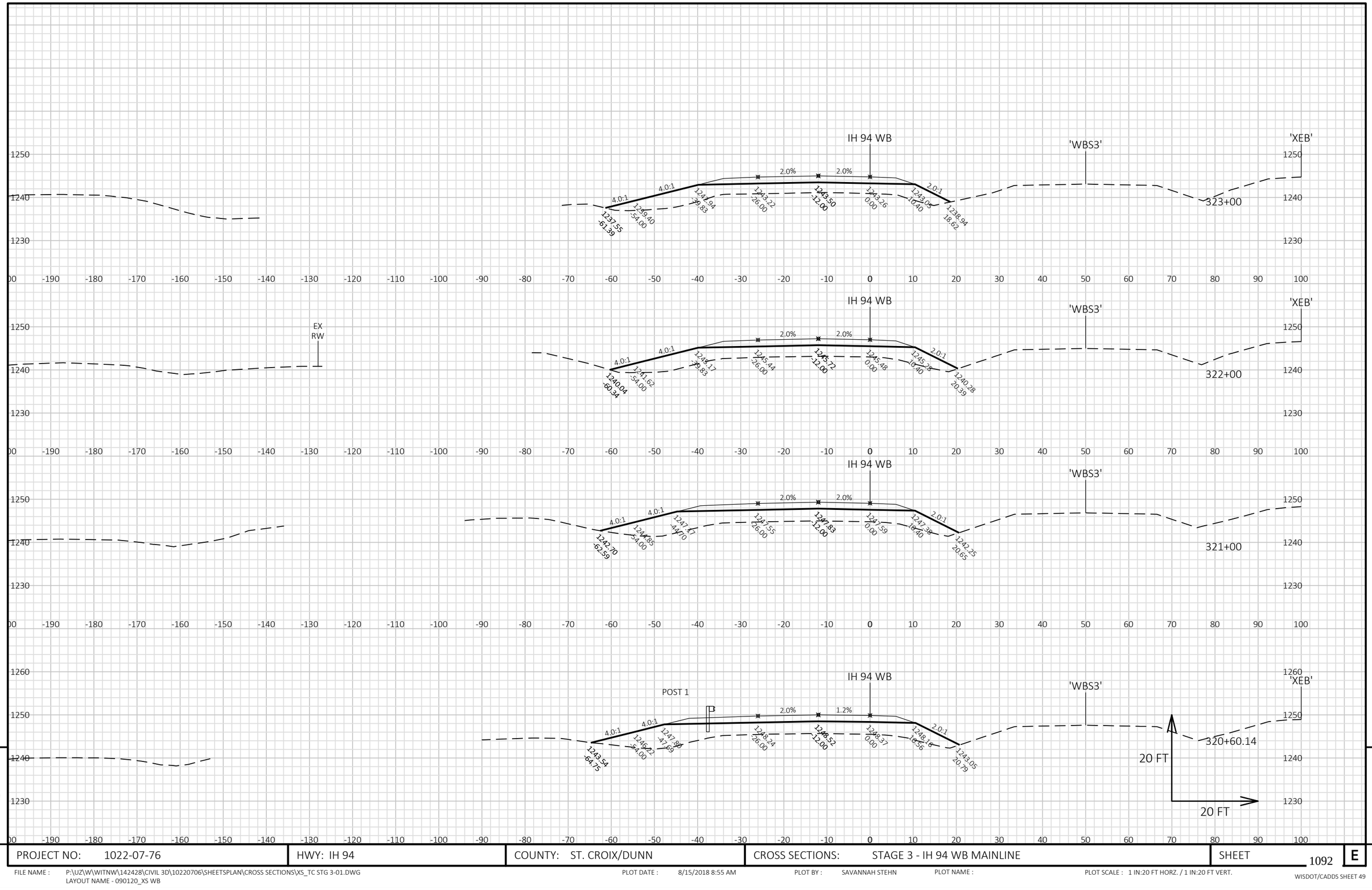
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1091	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090119_XS WB

PLOT DATE : 8/15/2018 8:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



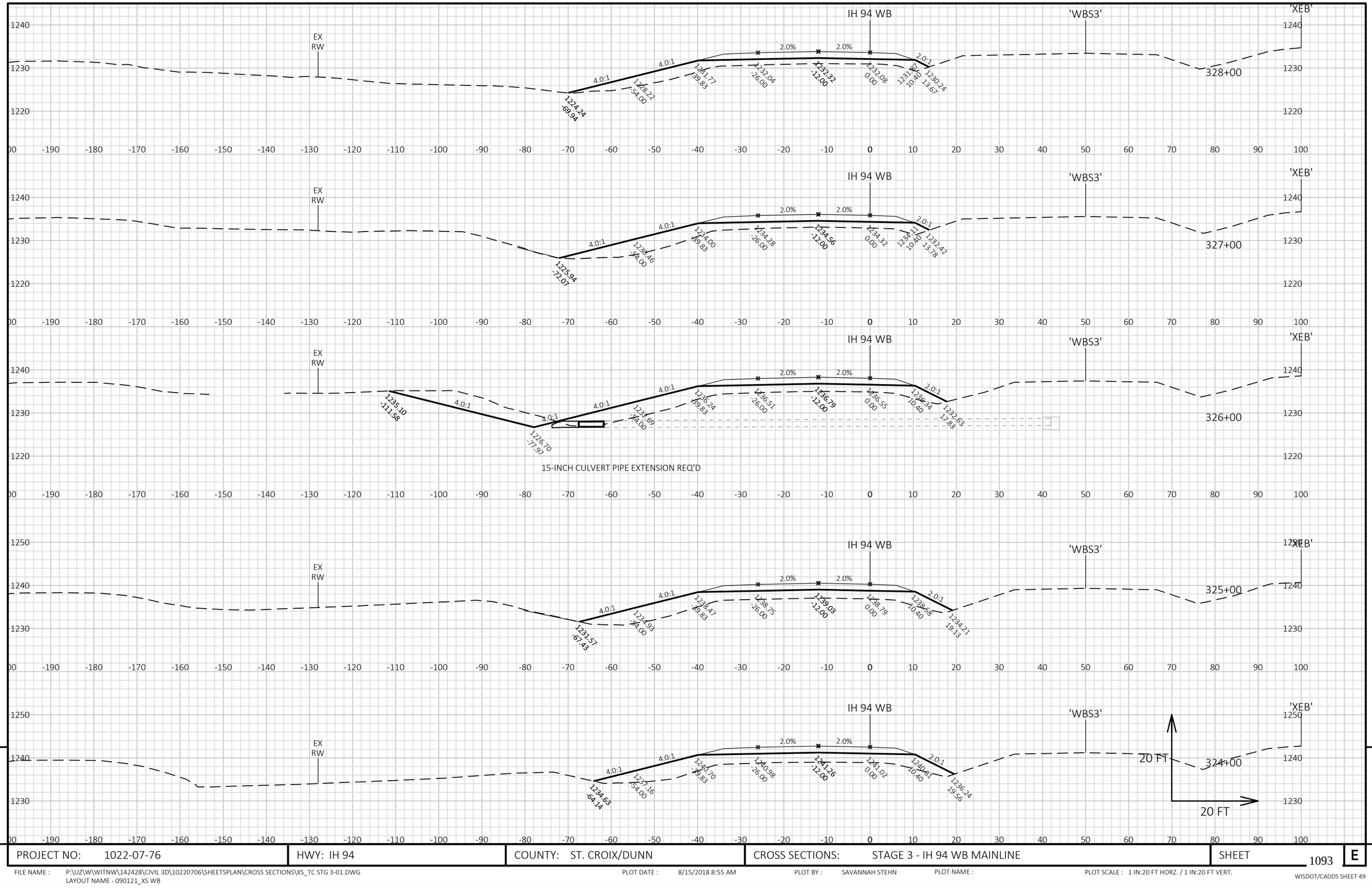
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1092	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090120_XS WB

PLOT DATE : 8/15/2018 8:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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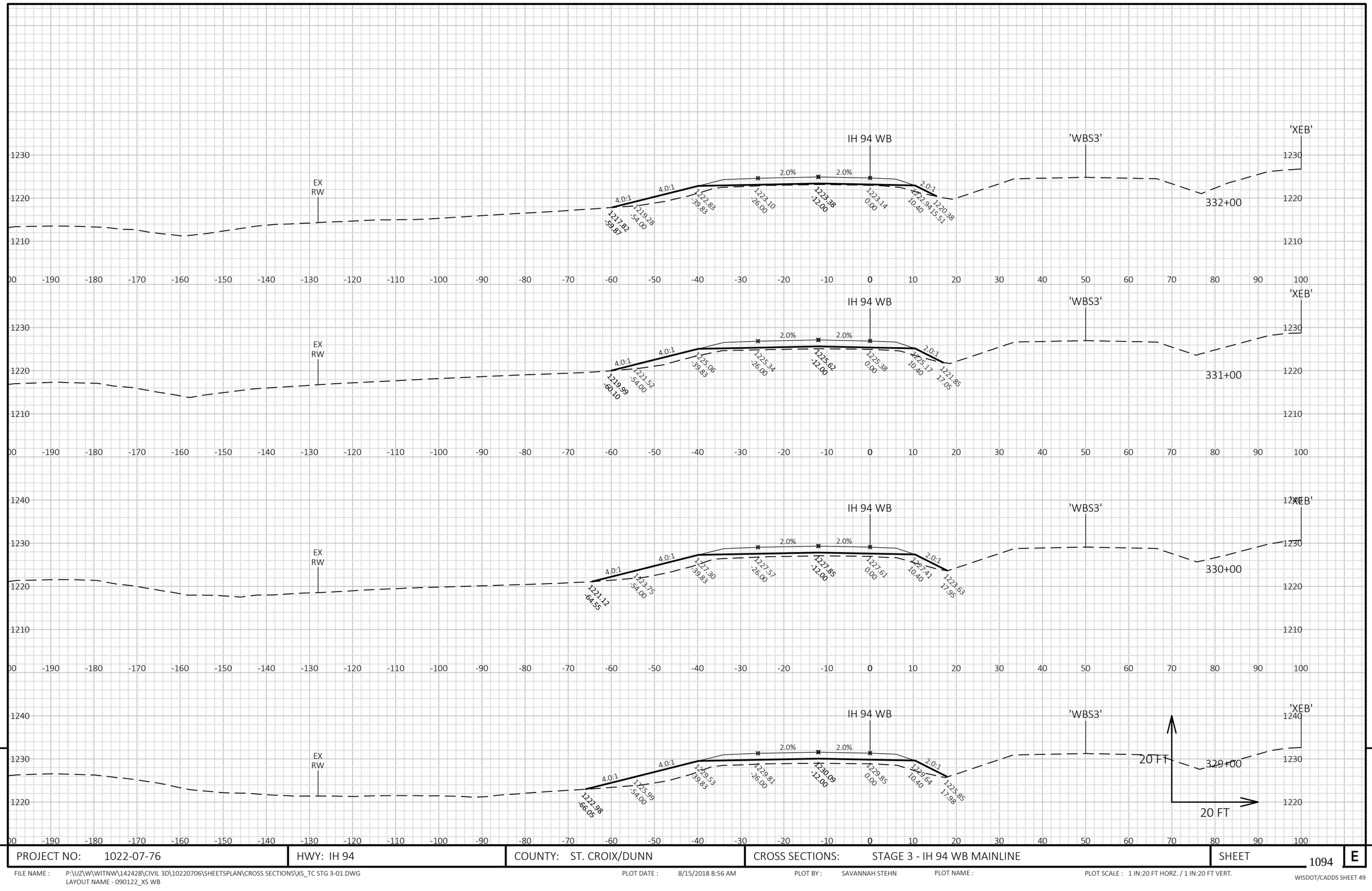
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1093 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090121_XS WB

PLOT DATE : 8/15/2018 8:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



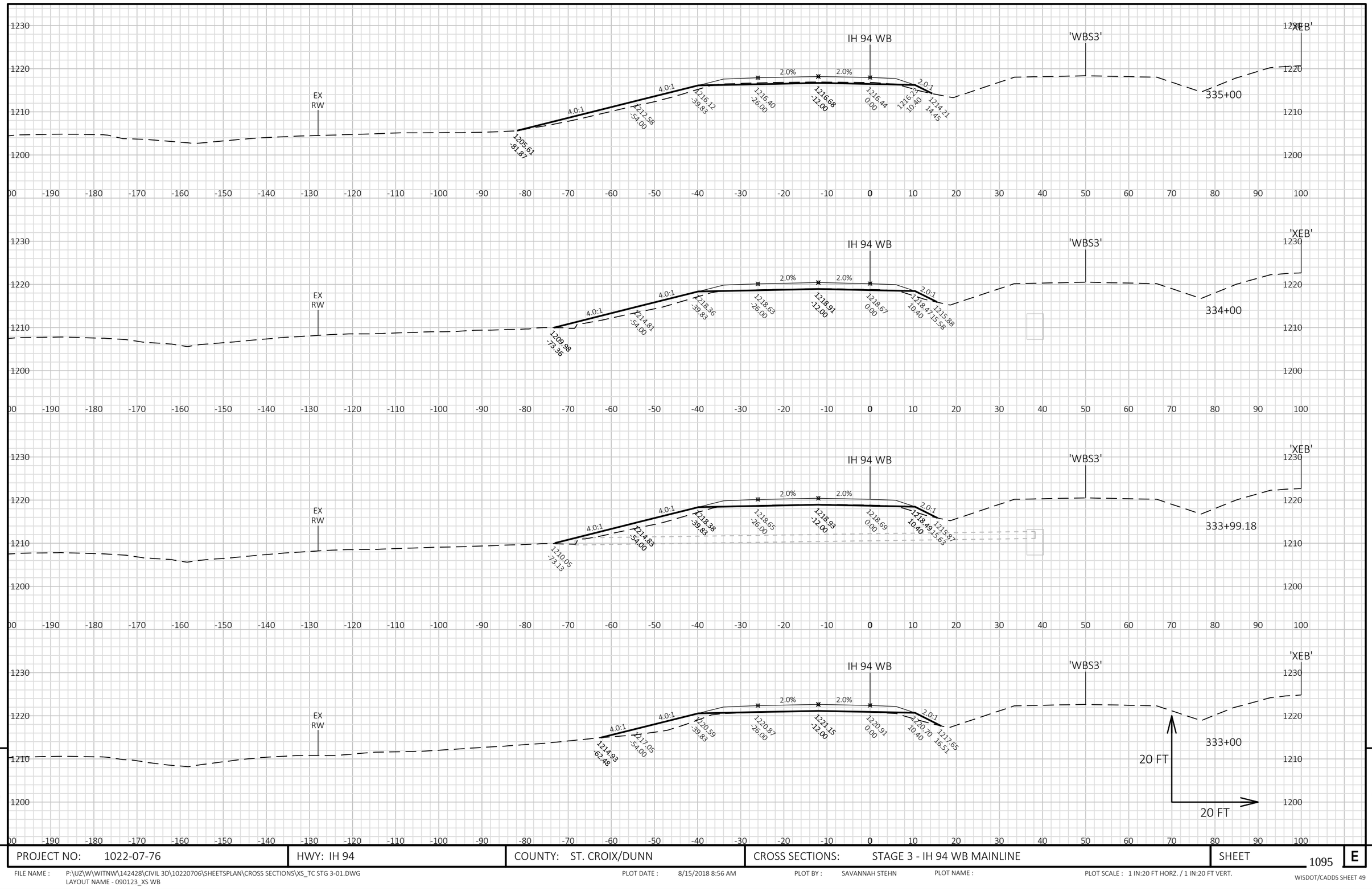
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1094	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090122_XS WB

PLOT DATE : 8/15/2018 8:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1095 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090123_XS WB

PLOT DATE : 8/15/2018 8:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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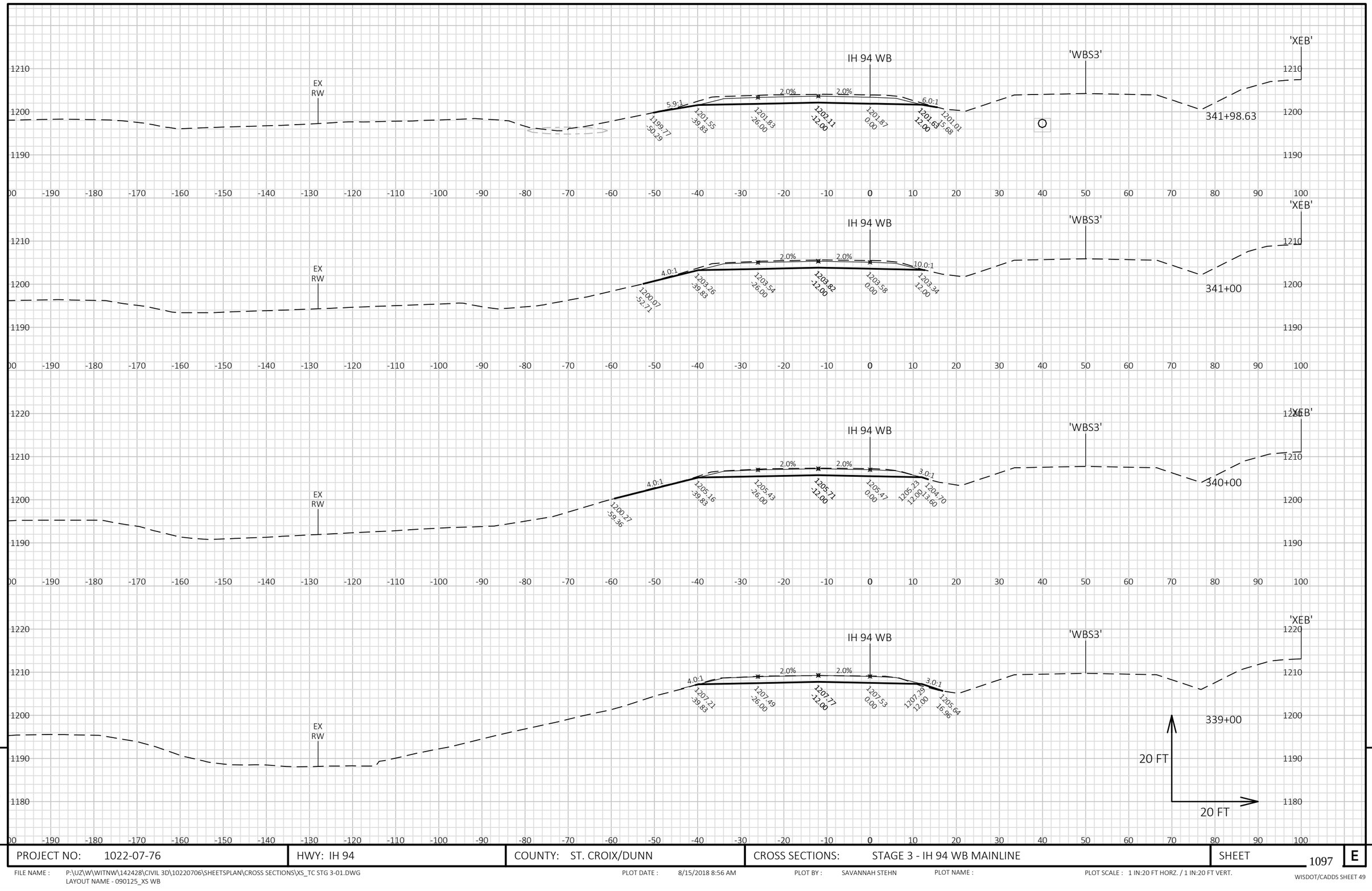
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1096	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090124_XS WB

PLOT DATE : 8/15/2018 8:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

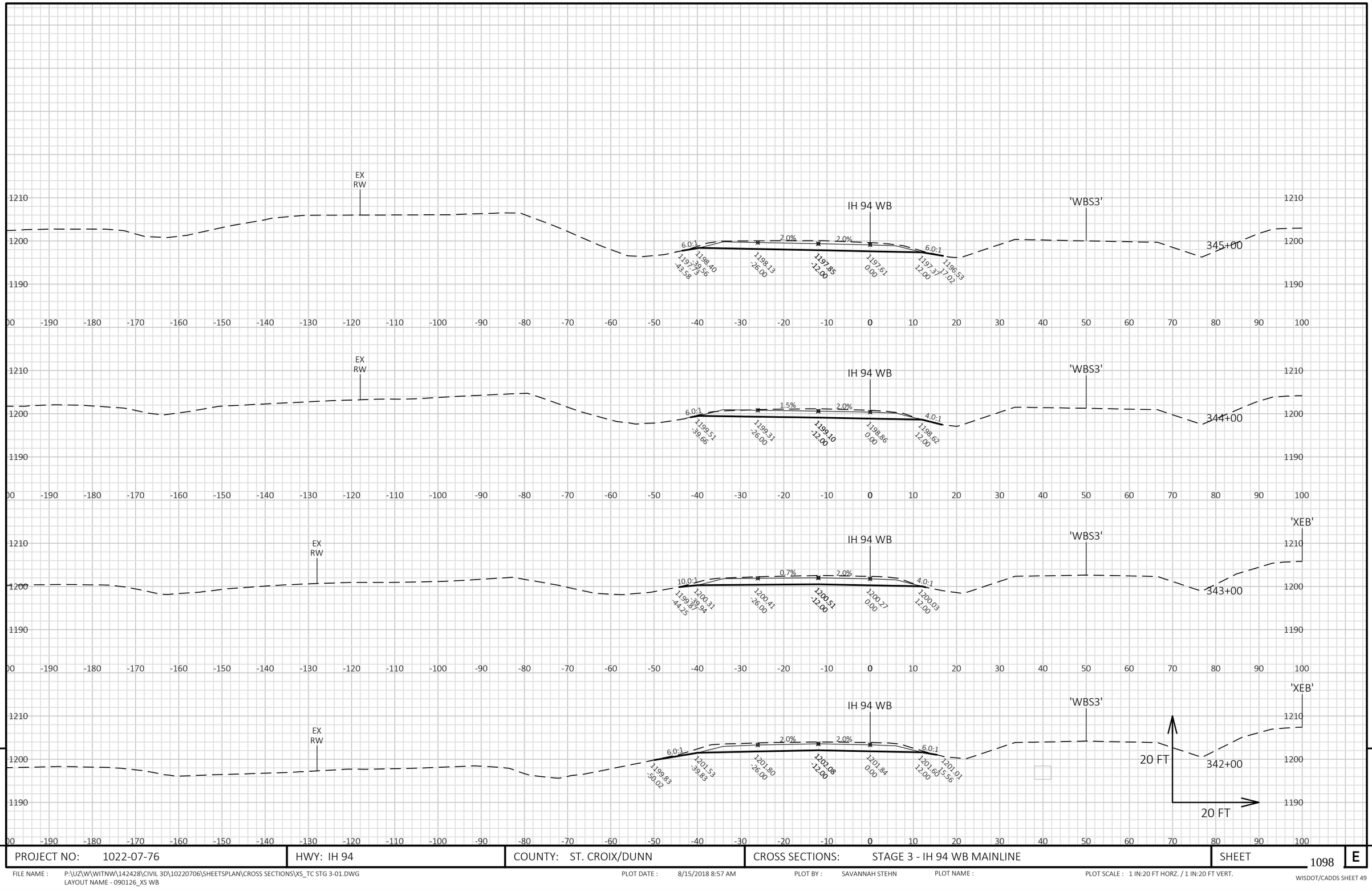


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1097 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090125_XS WB

PLOT DATE : 8/15/2018 8:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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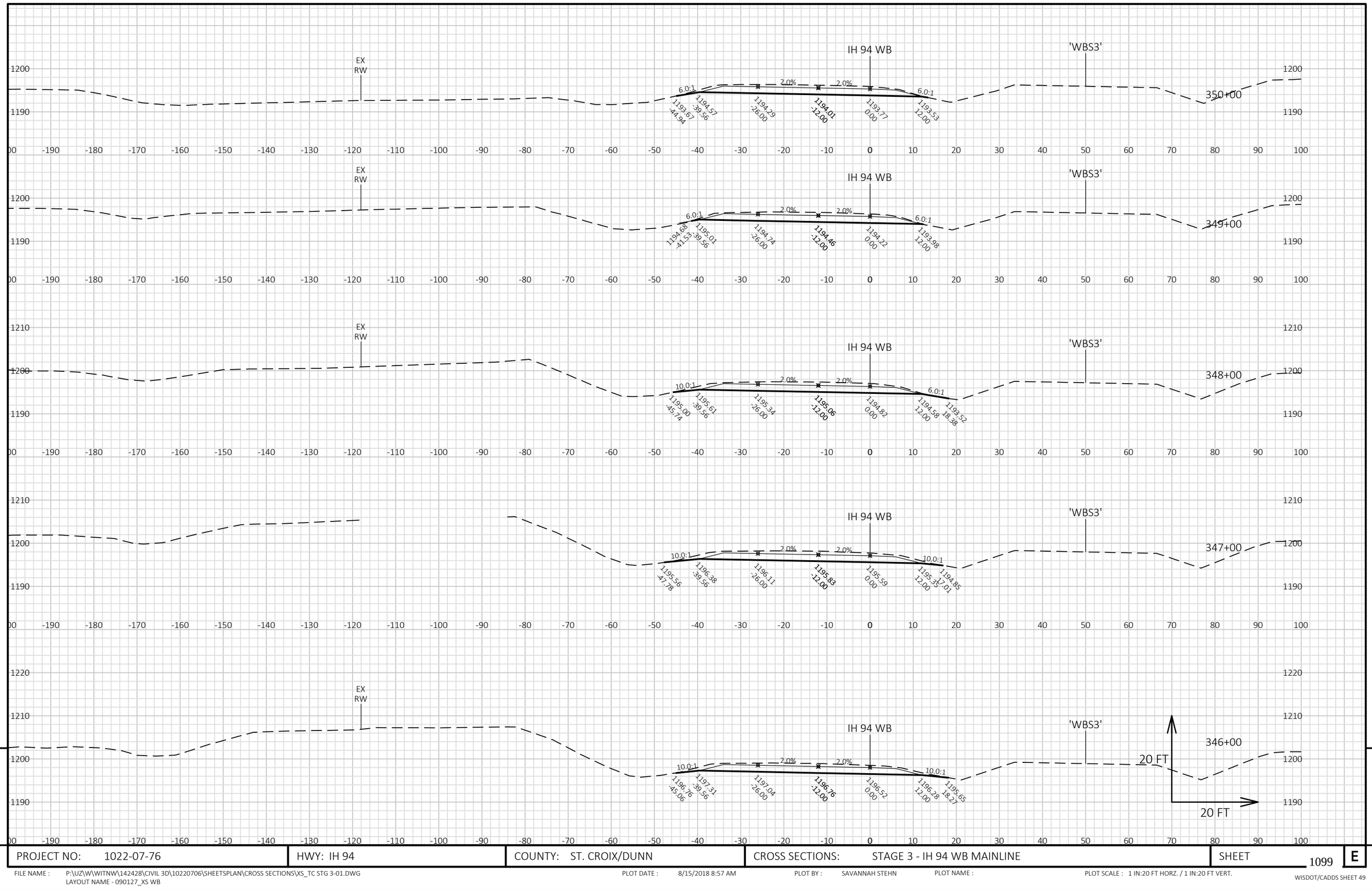
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1098 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090126_XS WB

PLOT DATE : 8/15/2018 8:57 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



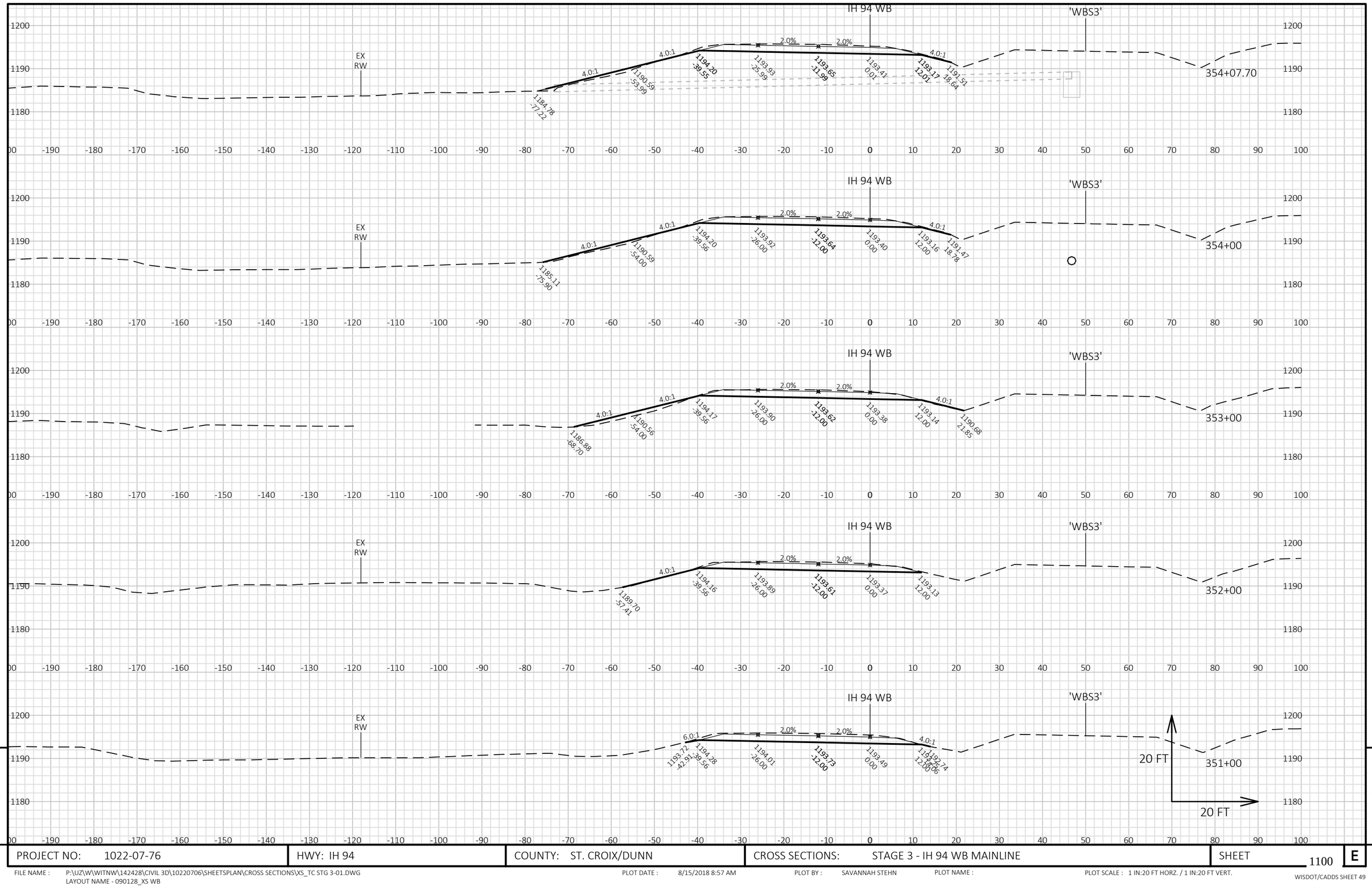
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1099	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090127_XS WB

PLOT DATE : 8/15/2018 8:57 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



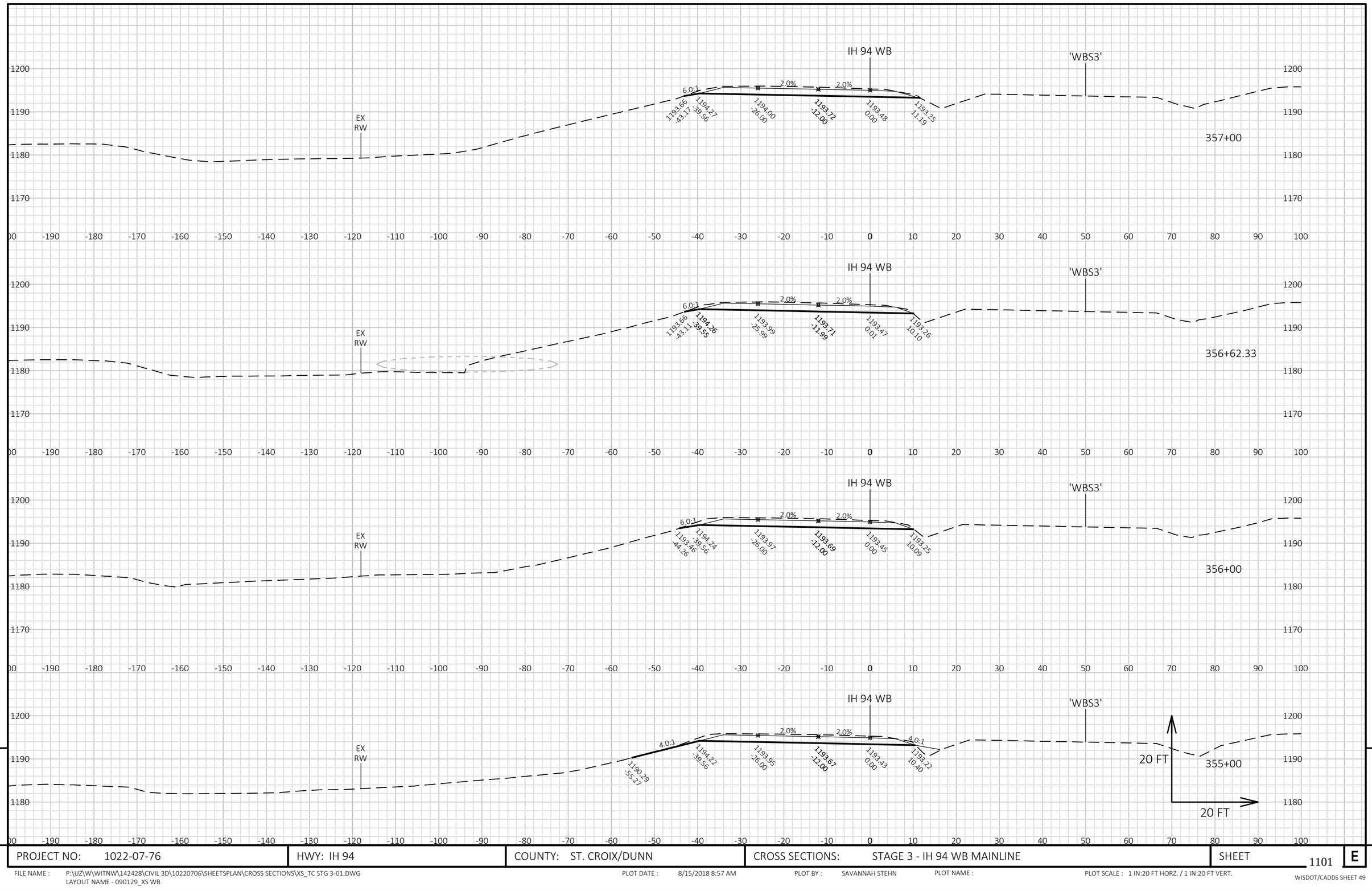
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1100 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090128_XS WB

PLOT DATE : 8/15/2018 8:57 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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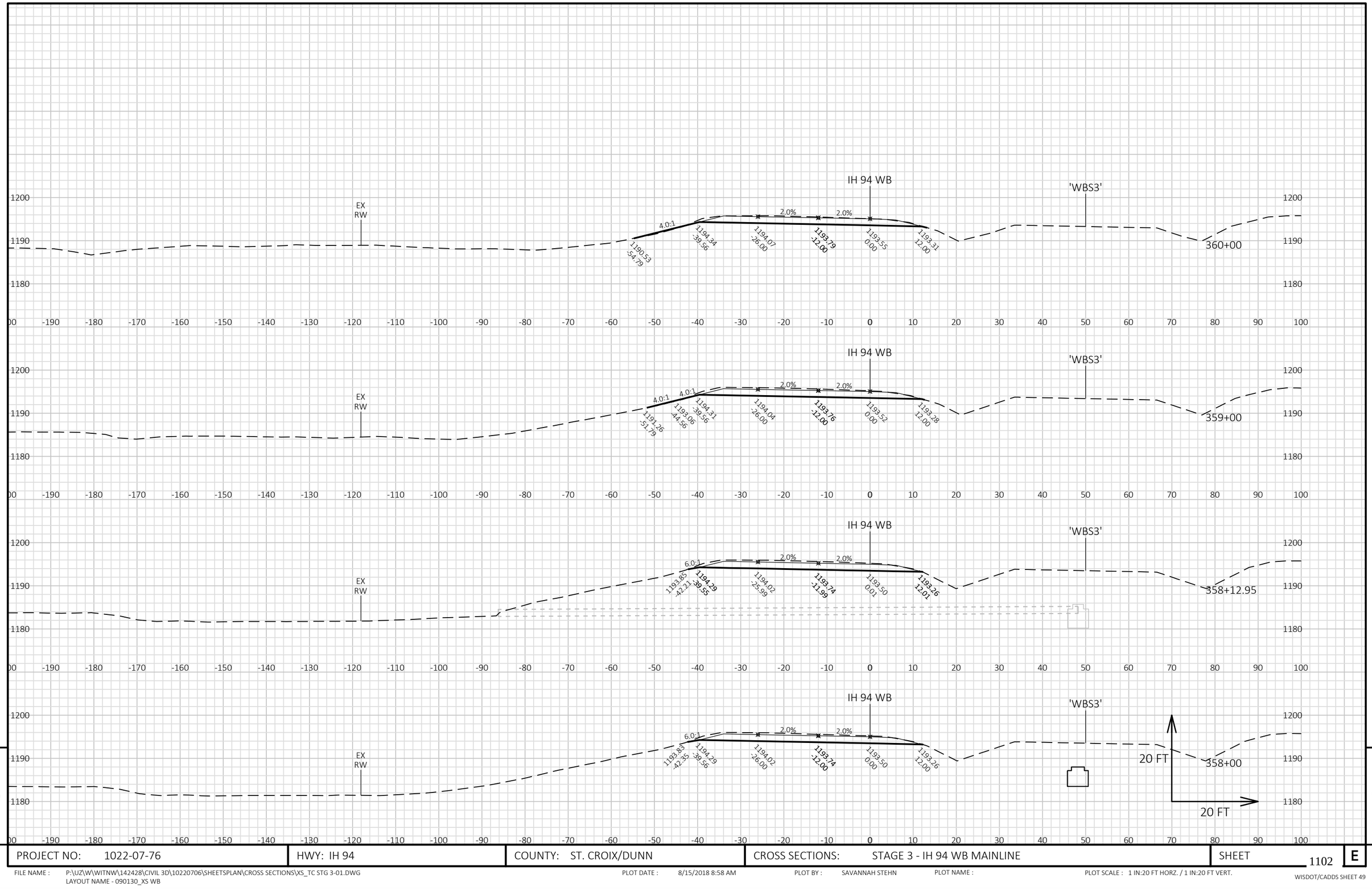
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1101	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090129_XS WB

PLOT DATE : 8/15/2018 8:57 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



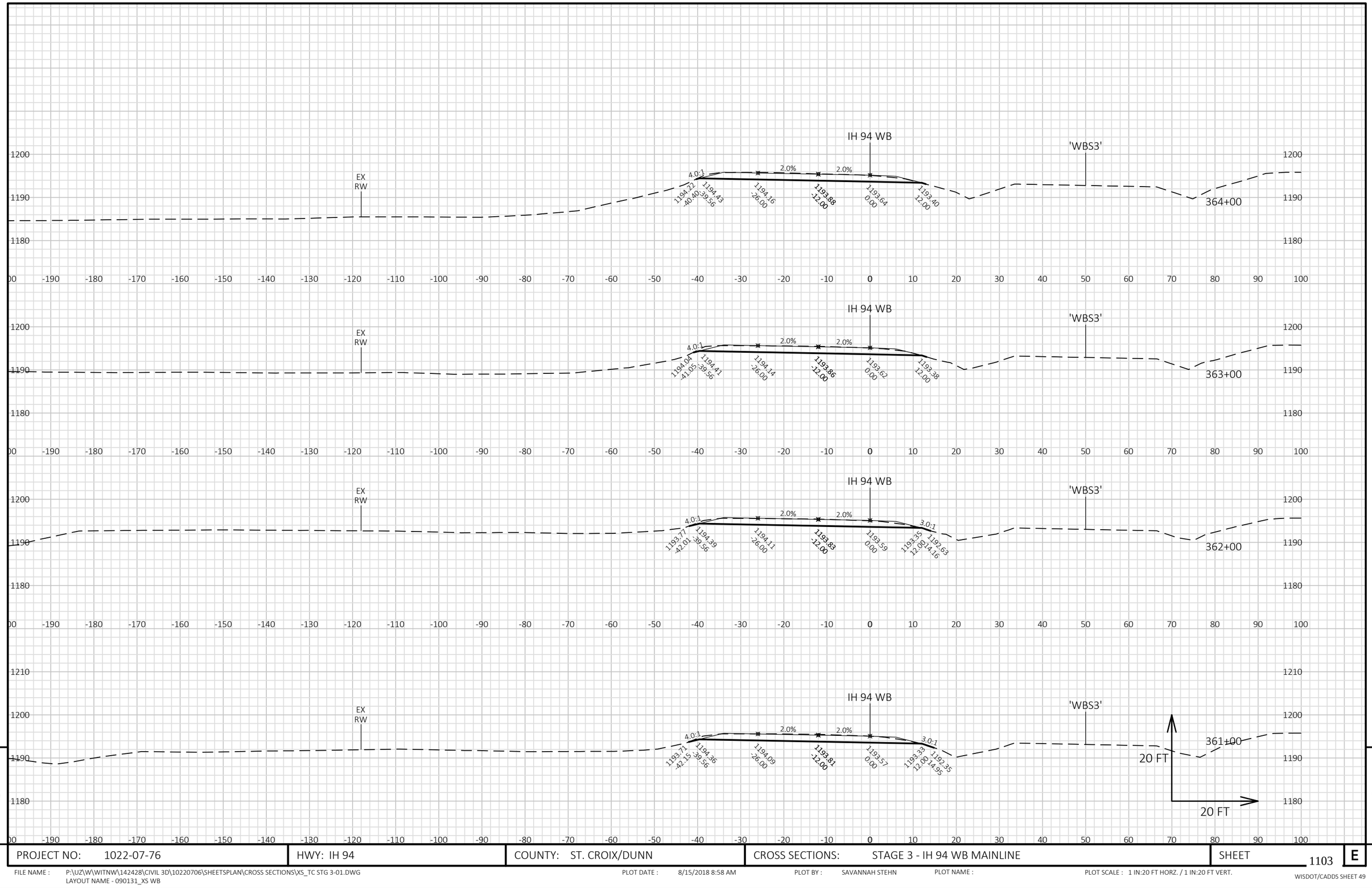
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1102	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090130_XS WB

PLOT DATE : 8/15/2018 8:58 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



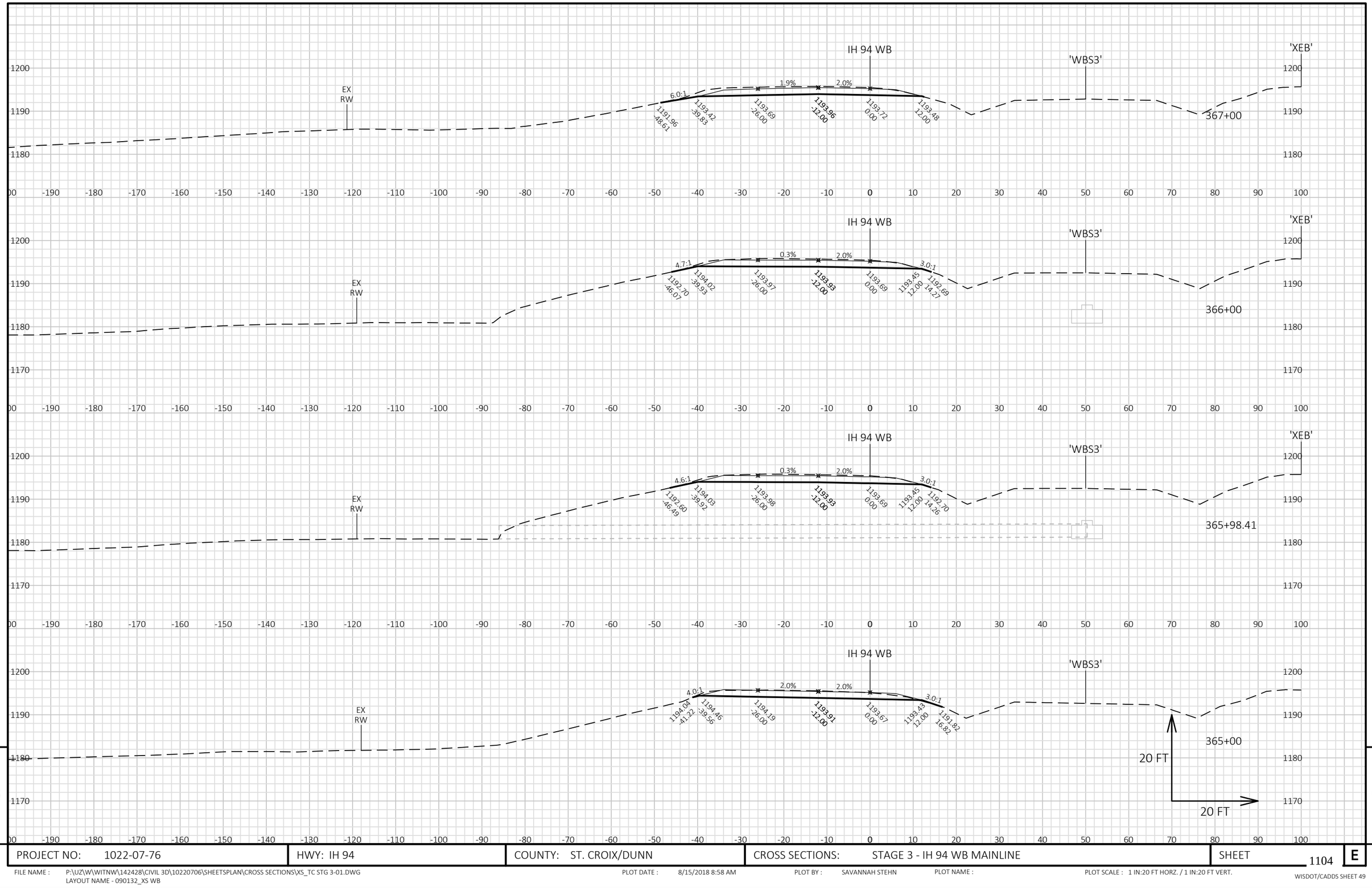
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1103	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090131_XS WB

PLOT DATE : 8/15/2018 8:58 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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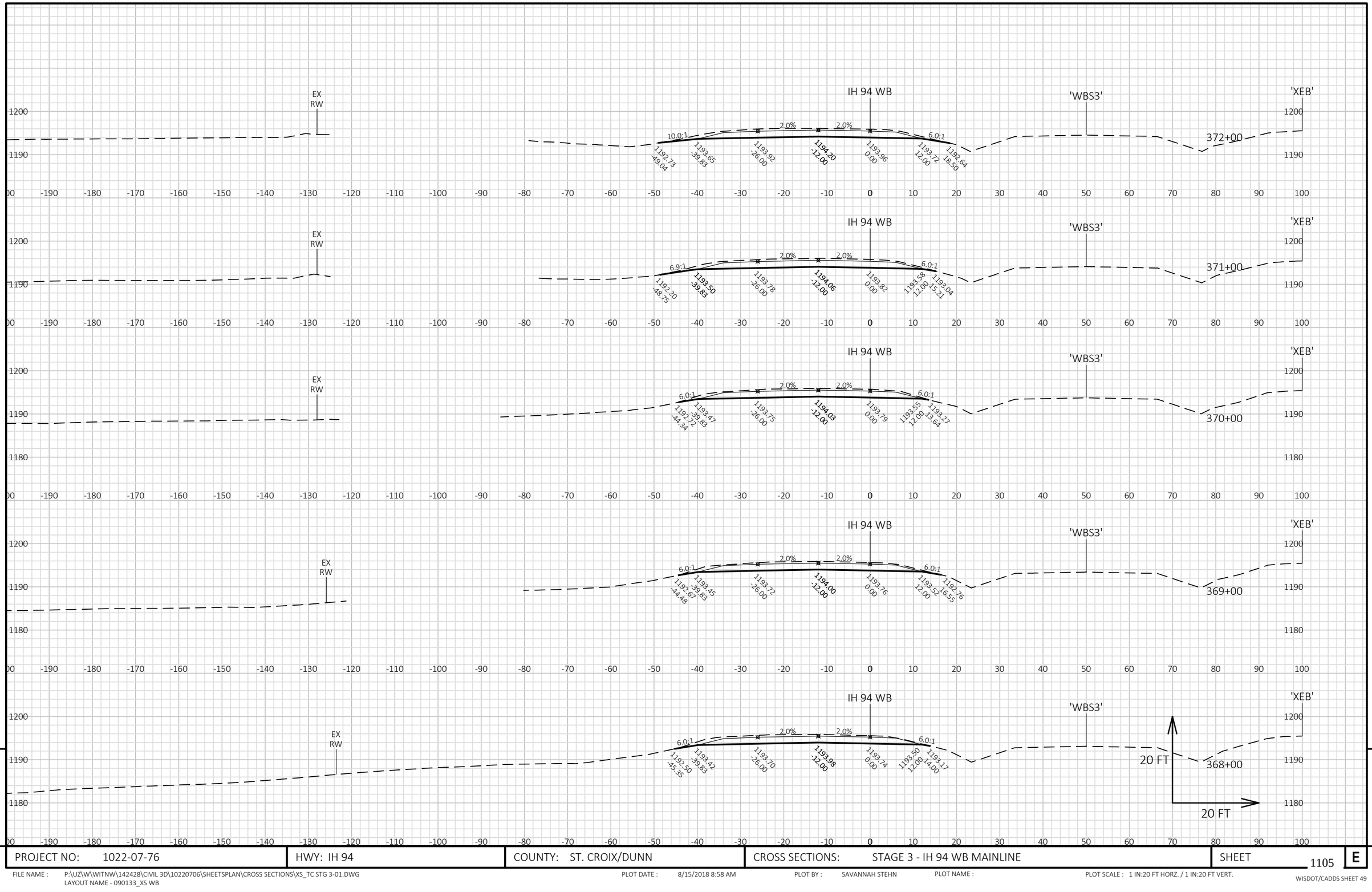
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1104 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090132_XS WB

PLOT DATE : 8/15/2018 8:58 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



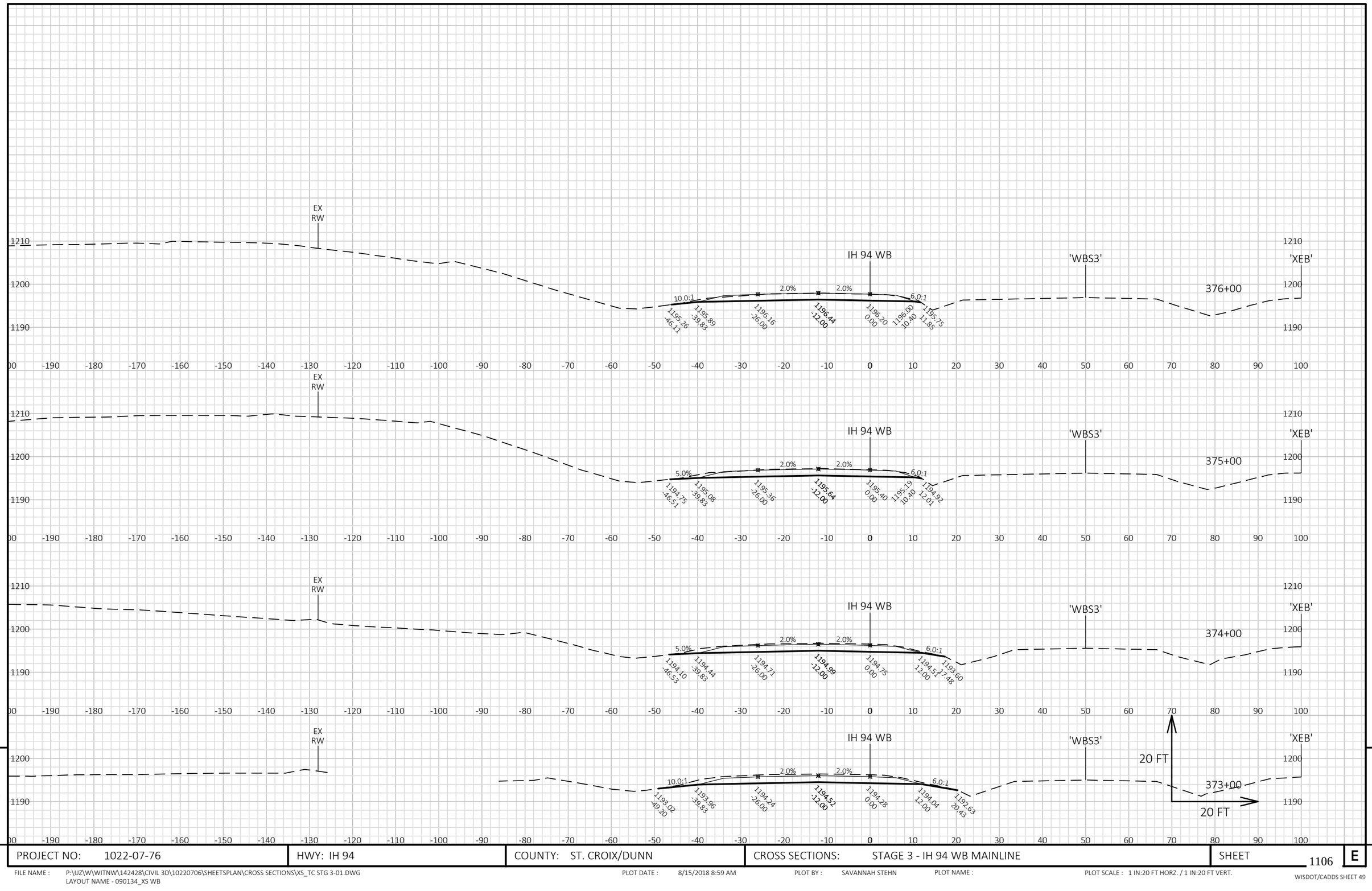
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1105	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090133_XS WB

PLOT DATE : 8/15/2018 8:58 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



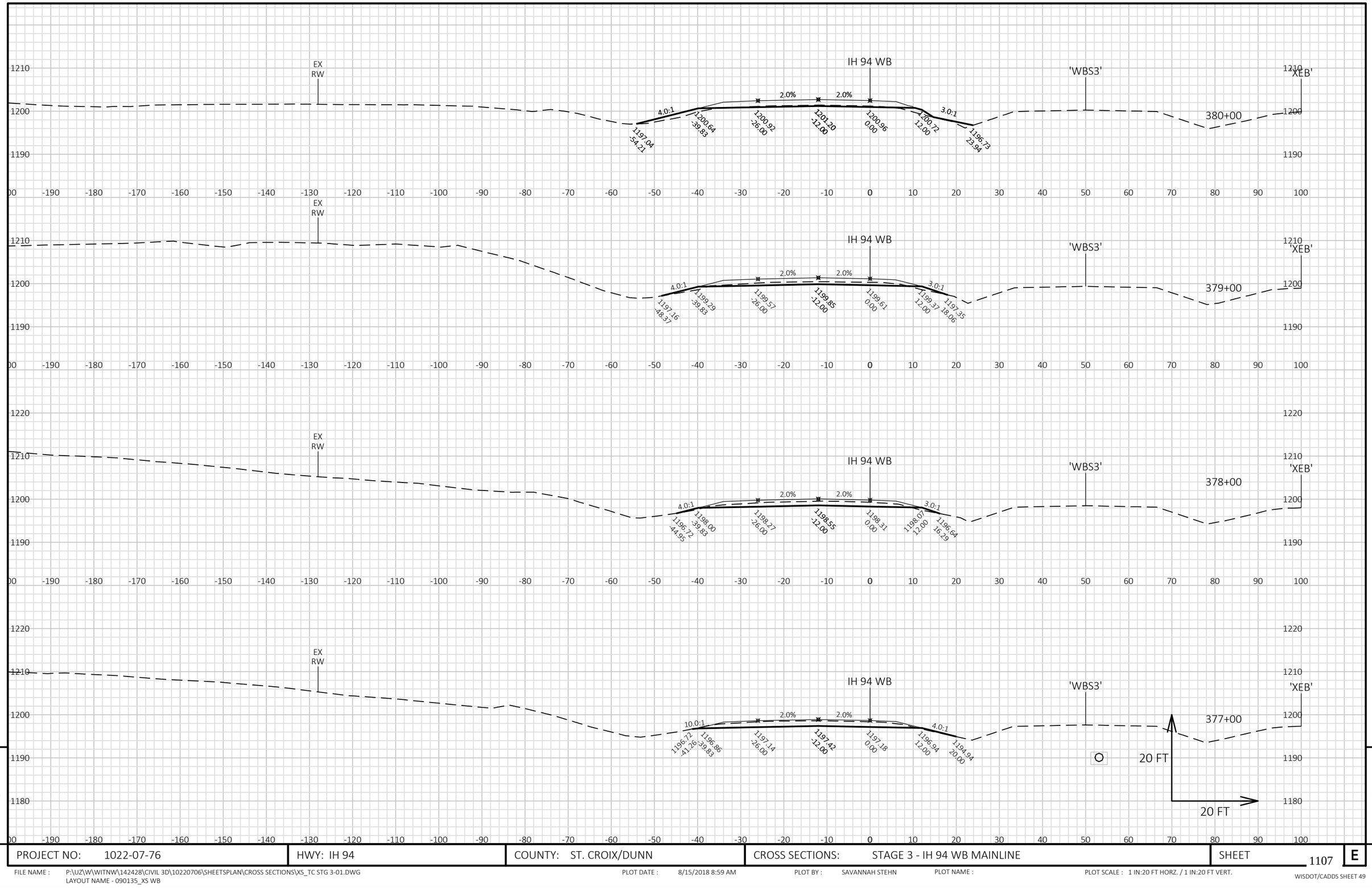
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1106 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090134_XS WB

PLOT DATE : 8/15/2018 8:59 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

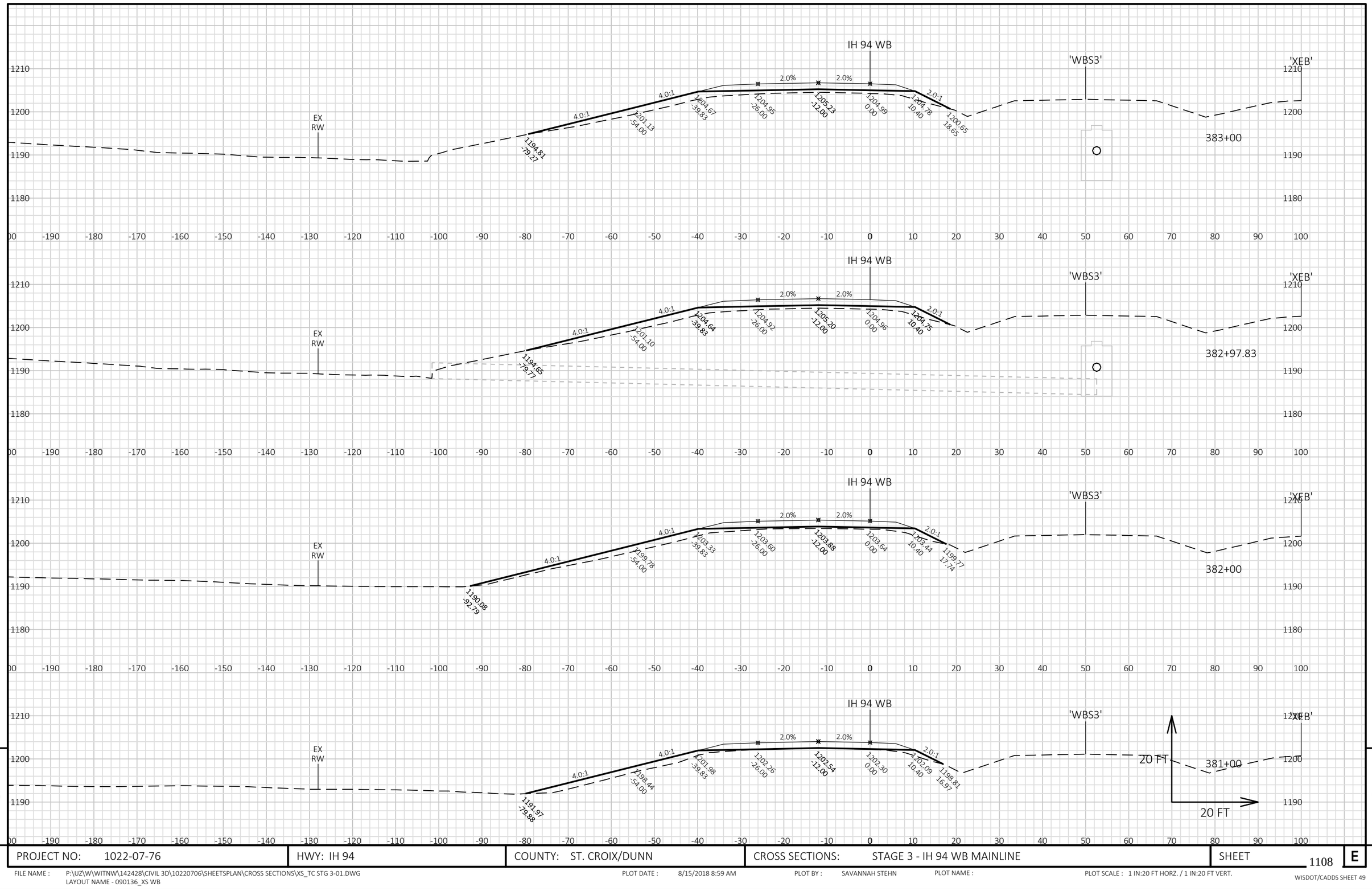


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1107 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090135_XS WB

PLOT DATE : 8/15/2018 8:59 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



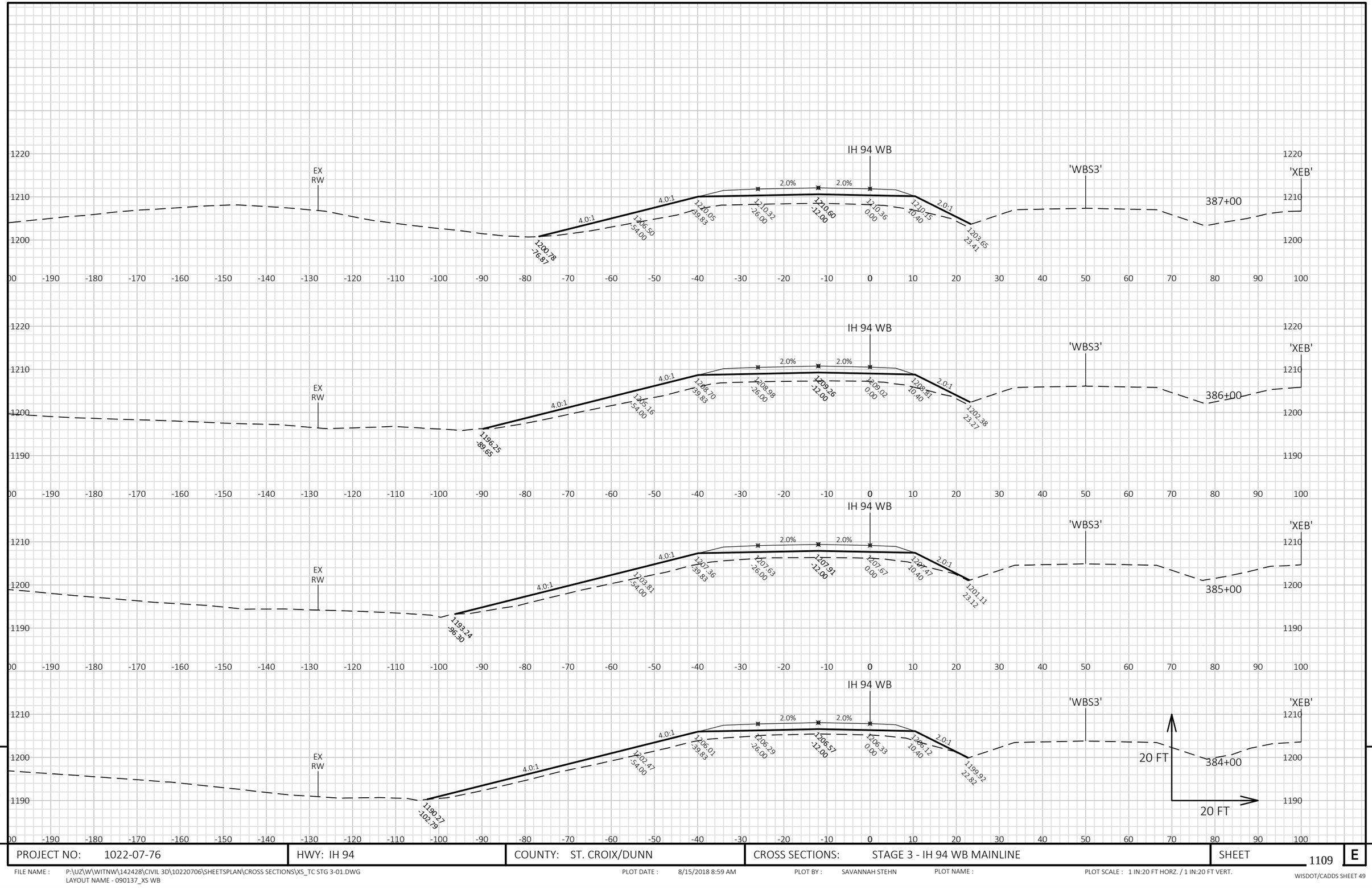
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FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090136_XS WB

PLOT DATE : 8/15/2018 8:59 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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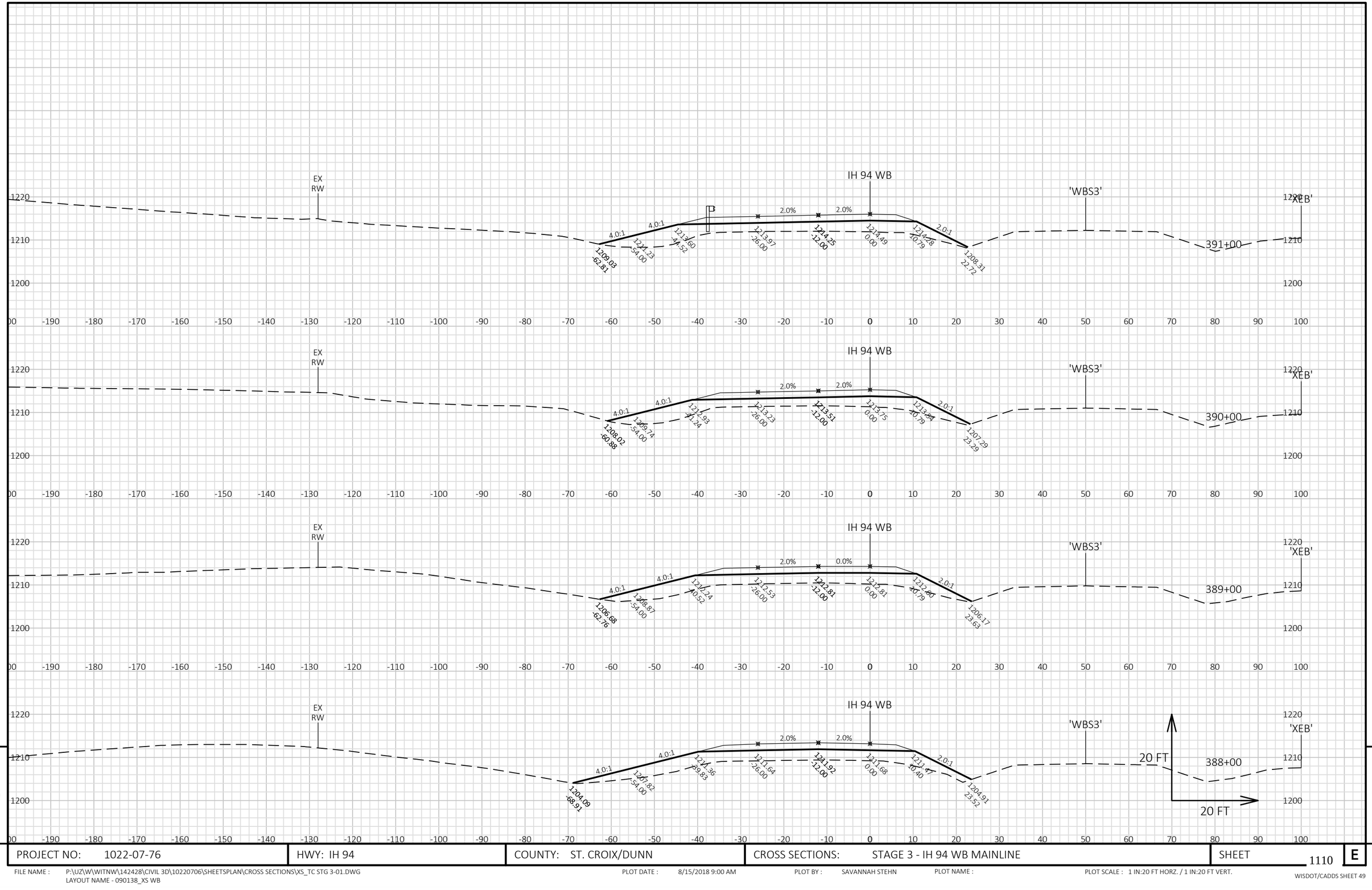


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1109	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090137_XS WB

PLOT DATE : 8/15/2018 8:59 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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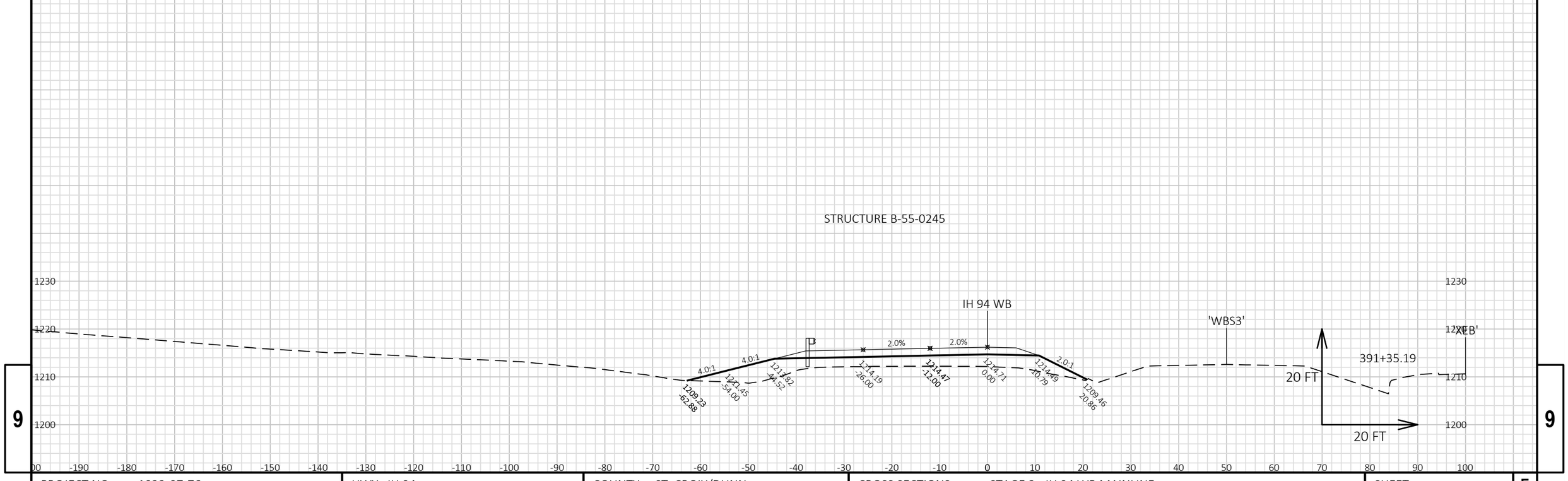
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1110	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090138_XS WB

PLOT DATE : 8/15/2018 9:00 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

STRUCTURE B-55-0245

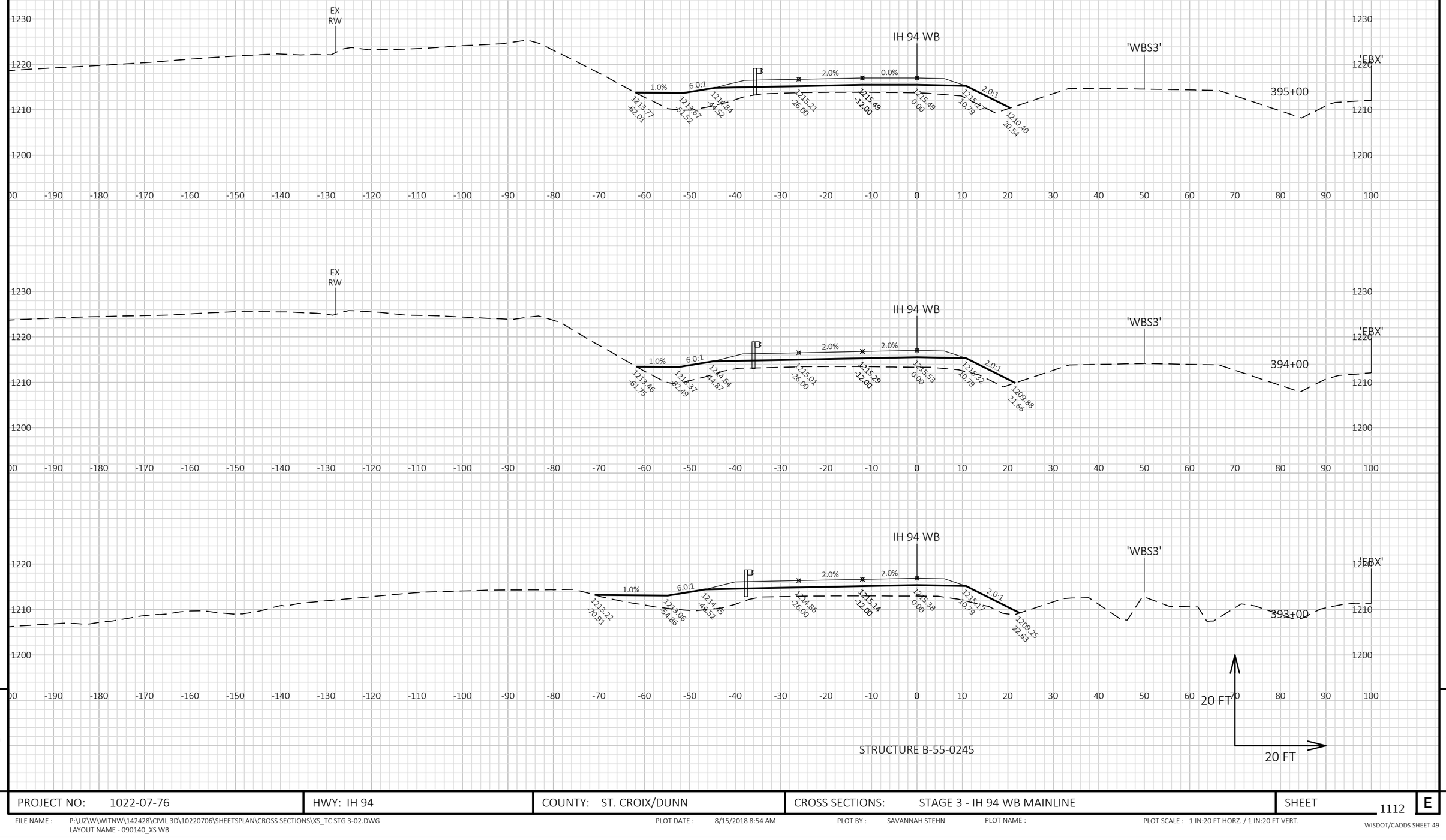


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1111	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090139_XS WB

PLOT DATE : 8/15/2018 9:00 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

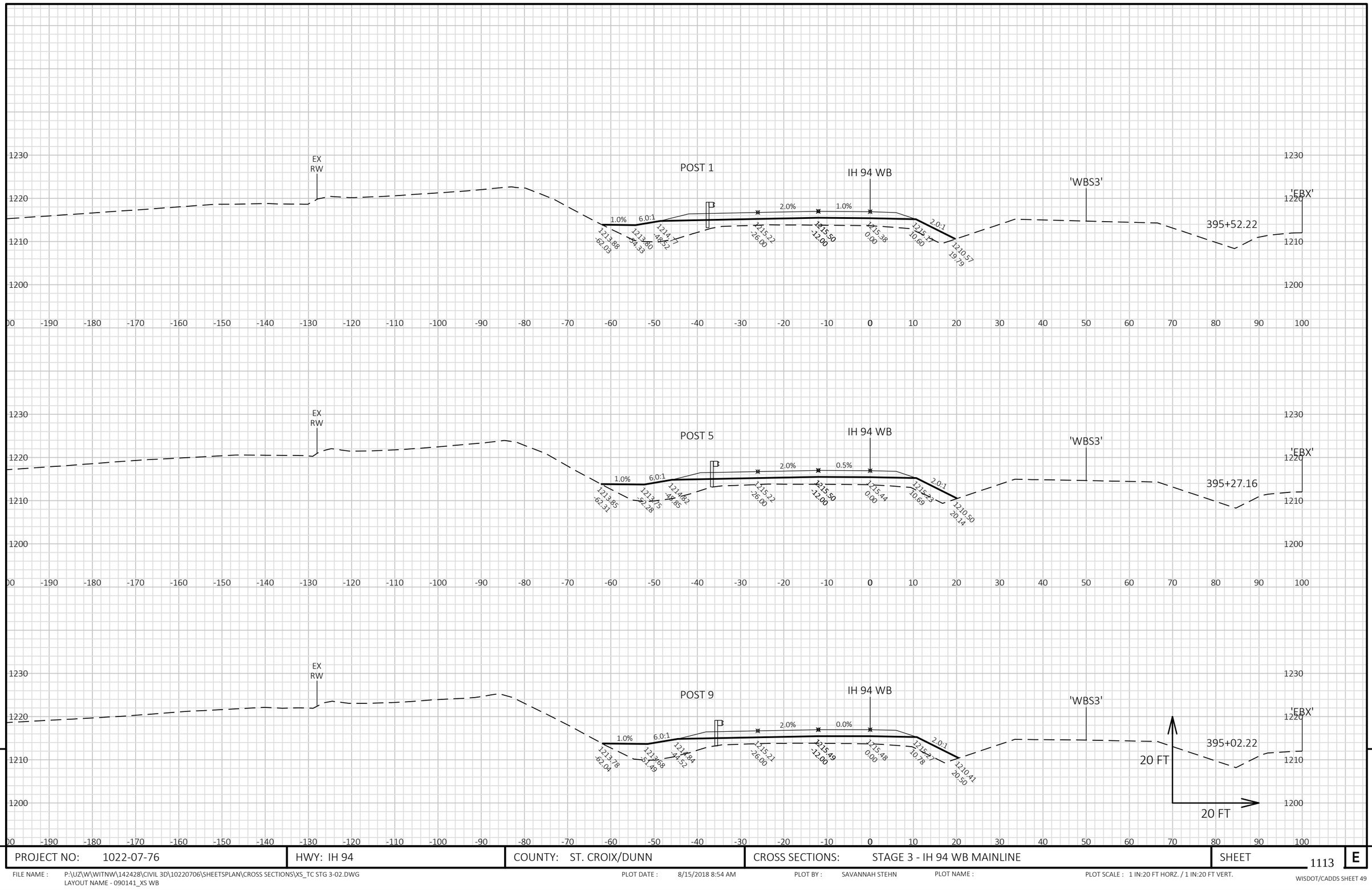


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1112 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090140_XS WB

PLOT DATE : 8/15/2018 8:54 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



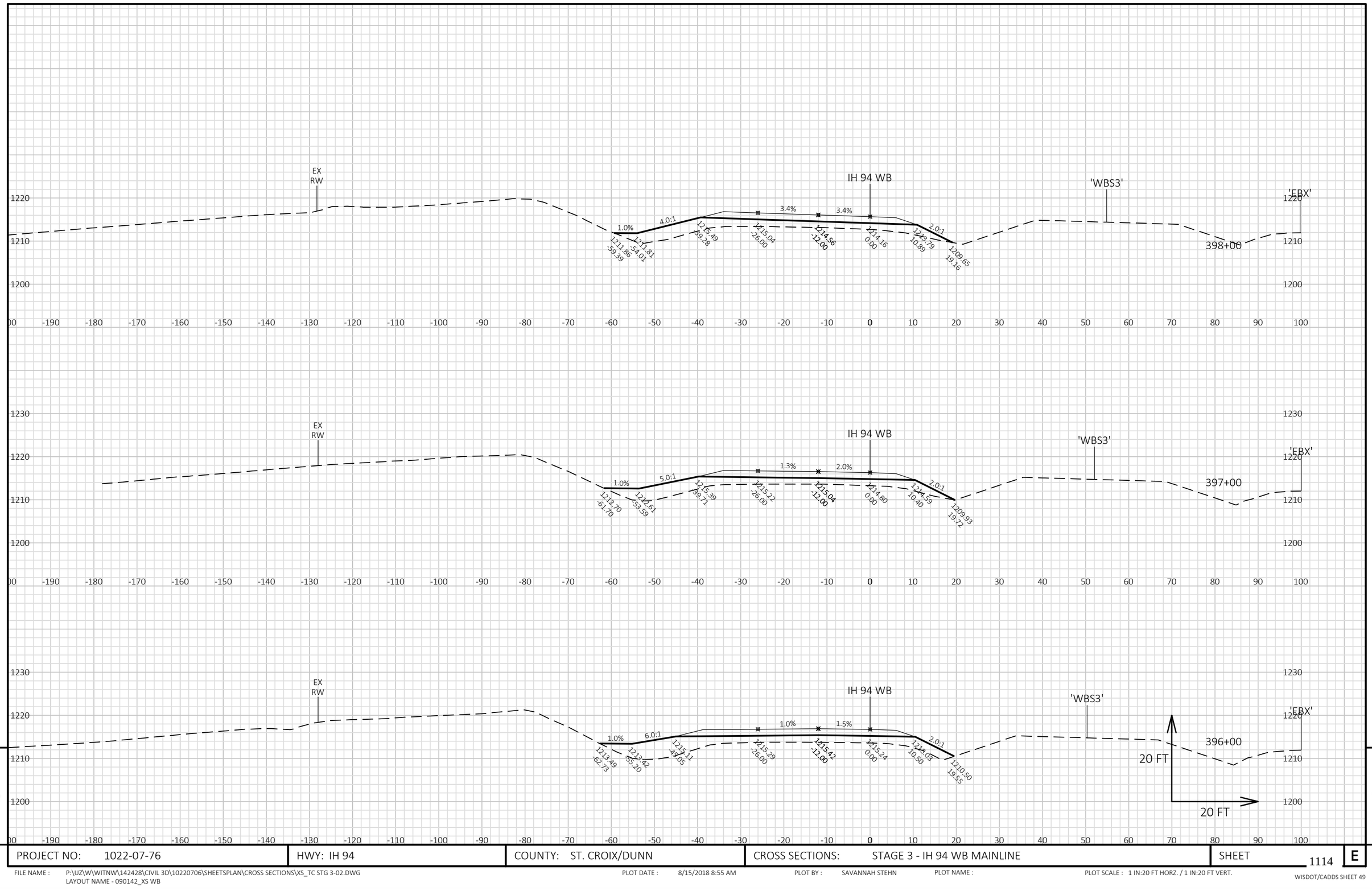
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1113	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090141_XS WB

PLOT DATE : 8/15/2018 8:54 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1114	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090142_XS WB

PLOT DATE : 8/15/2018 8:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

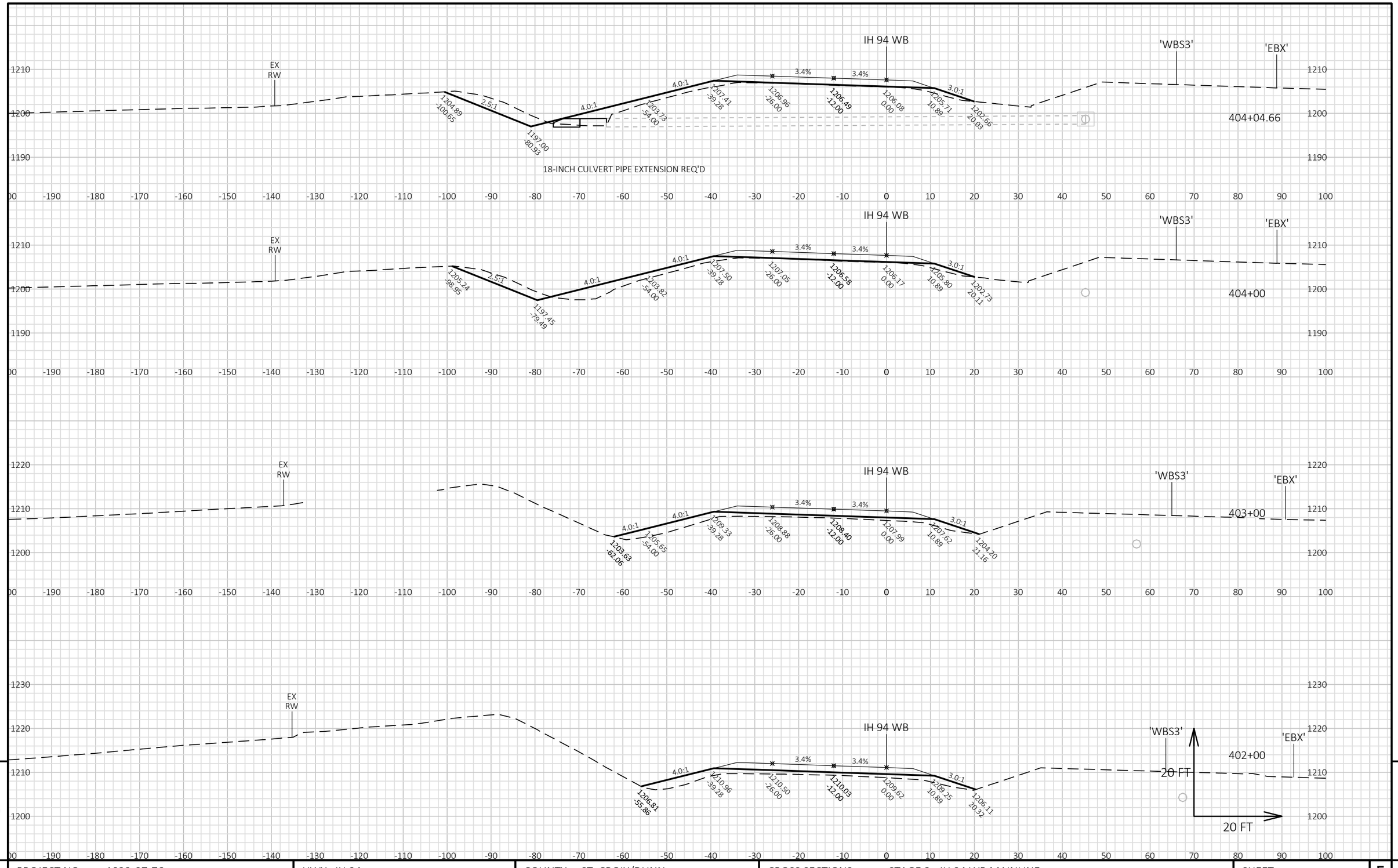
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1115	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090143_XS WB

PLOT DATE : 8/15/2018 8:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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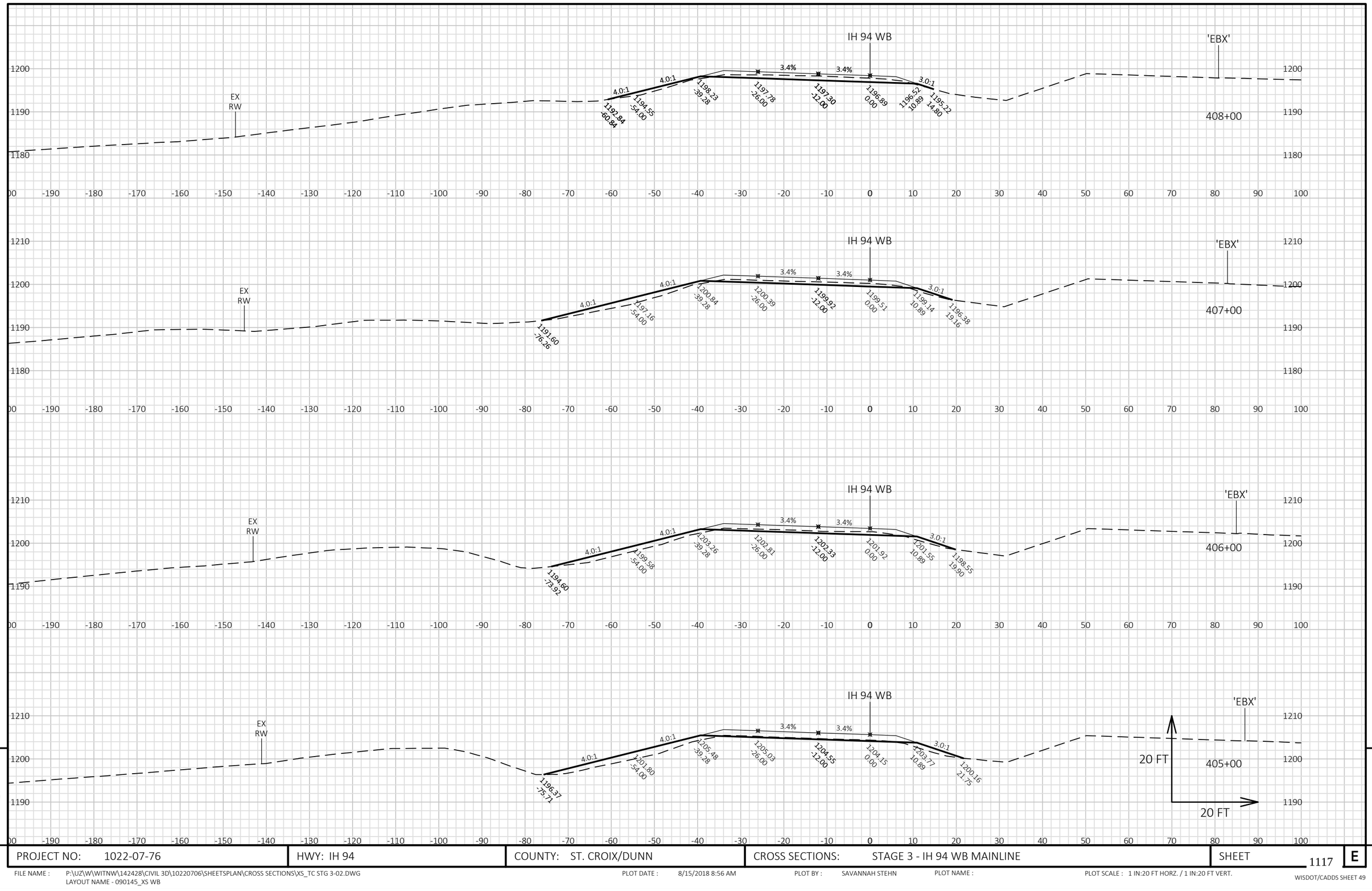
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1116 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090144_XS WB

PLOT DATE : 8/15/2018 8:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



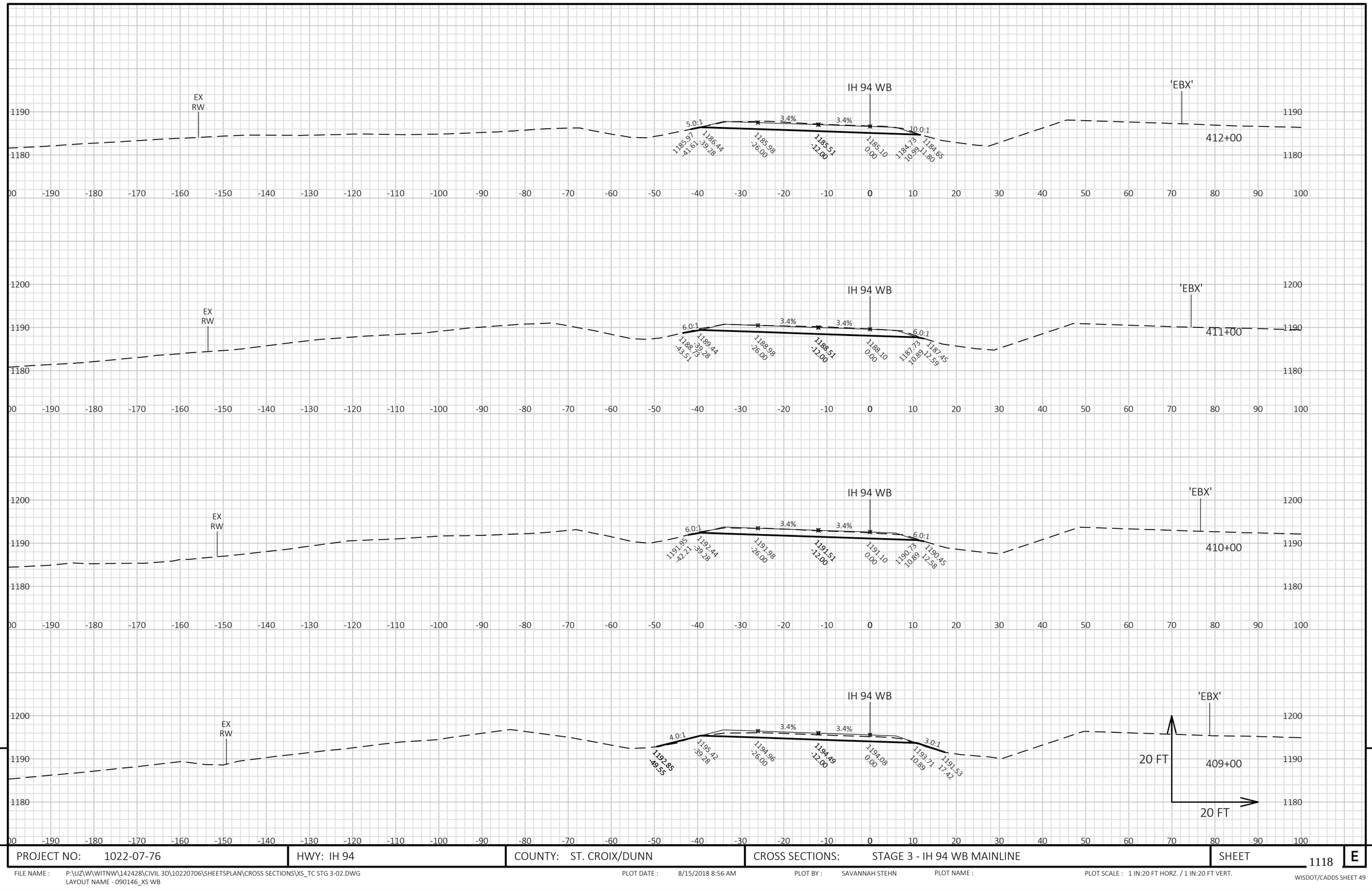
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1117	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090145_XS WB

PLOT DATE : 8/15/2018 8:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



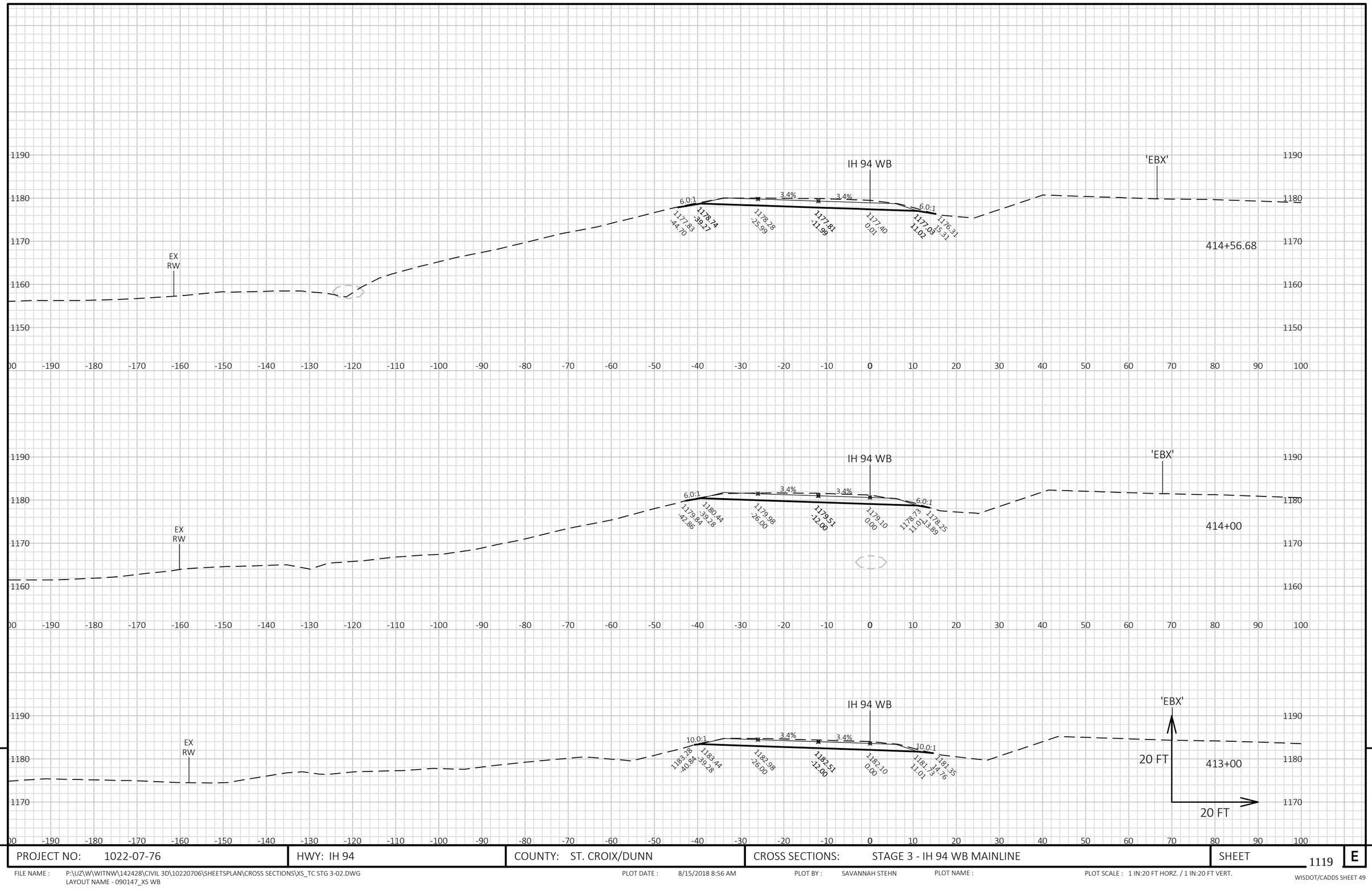
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1118	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090146_XS WB

PLOT DATE : 8/15/2018 8:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



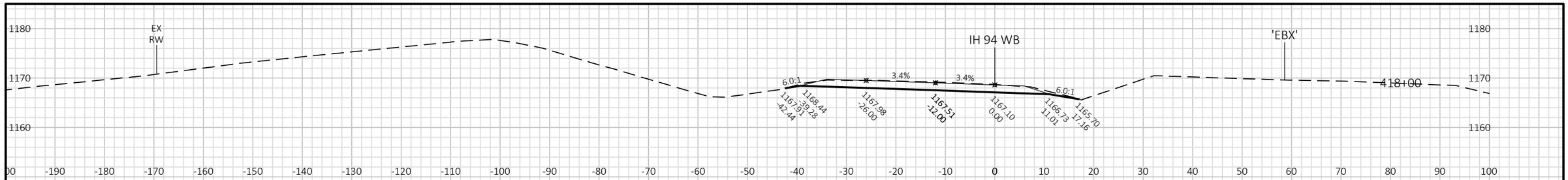
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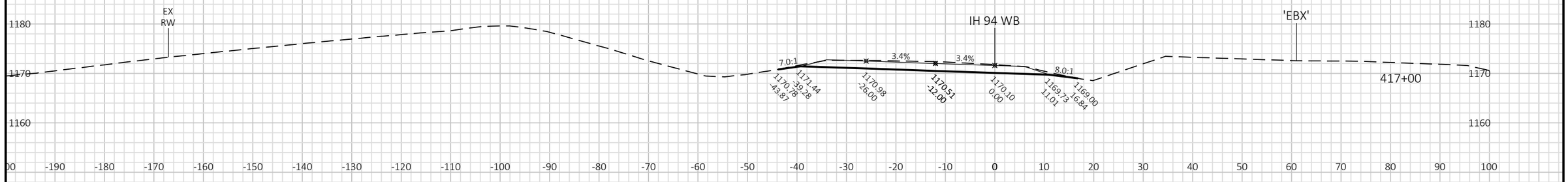
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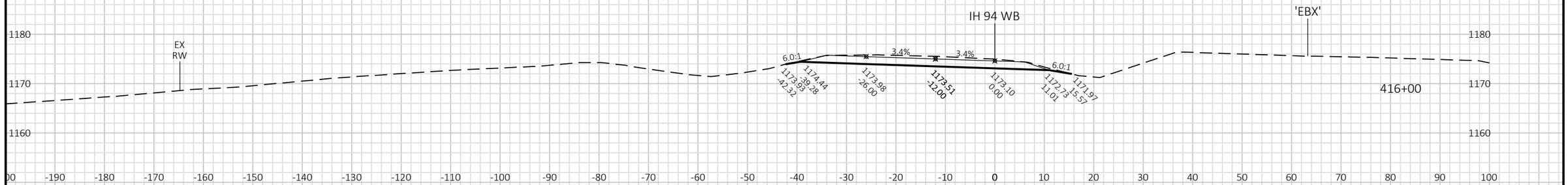
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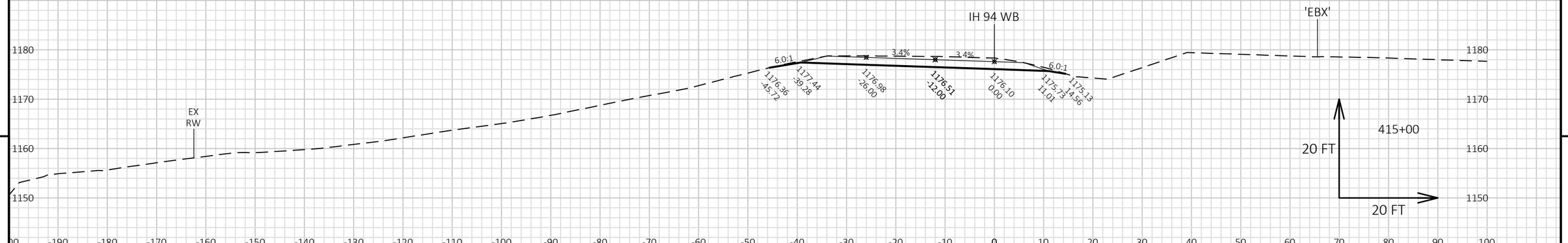
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LAYOUT NAME - 090147_XS WB

PLOT DATE : 8/15/2018 8:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.









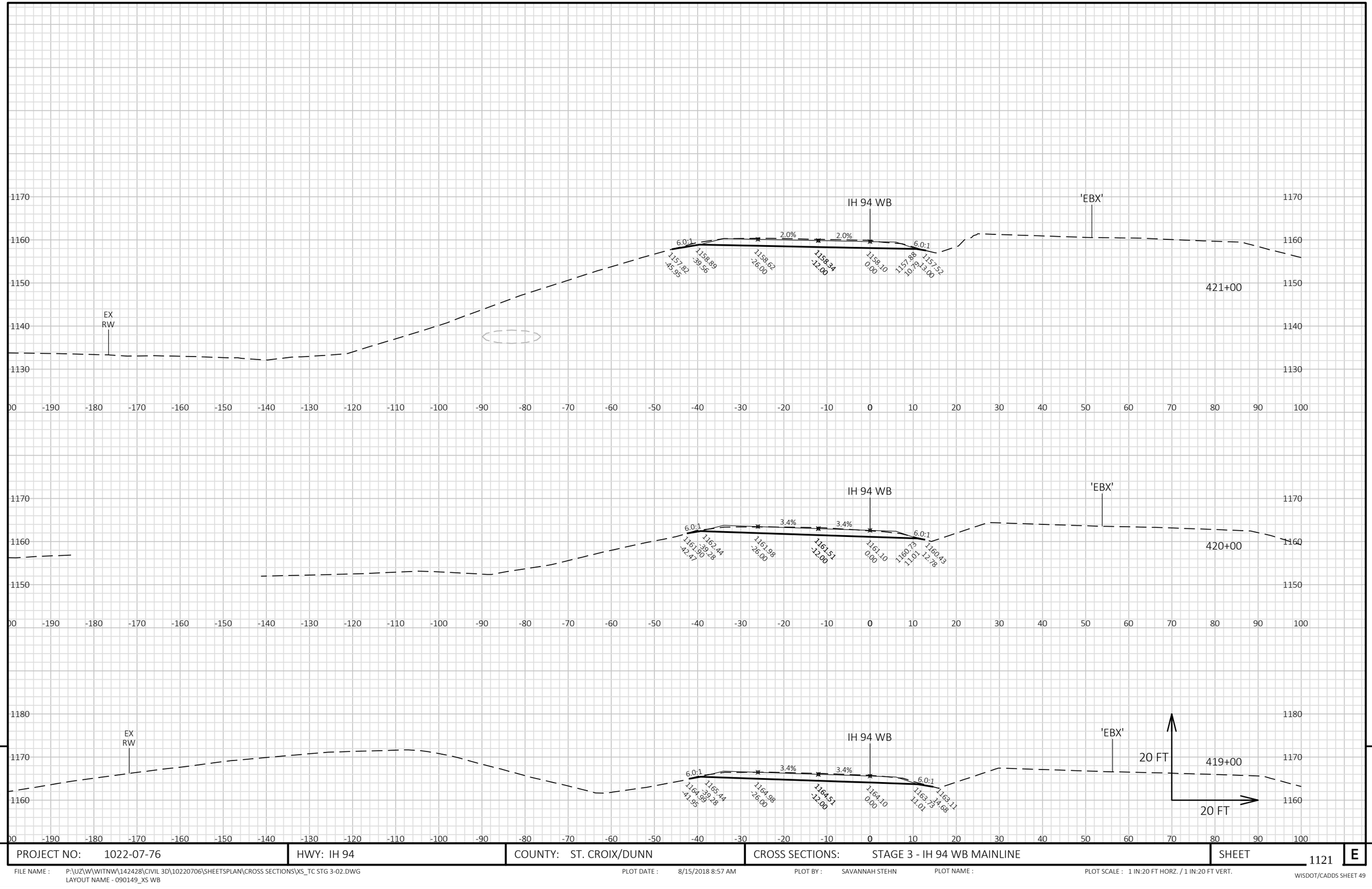
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1120 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090148_XS WB

PLOT DATE : 8/15/2018 8:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



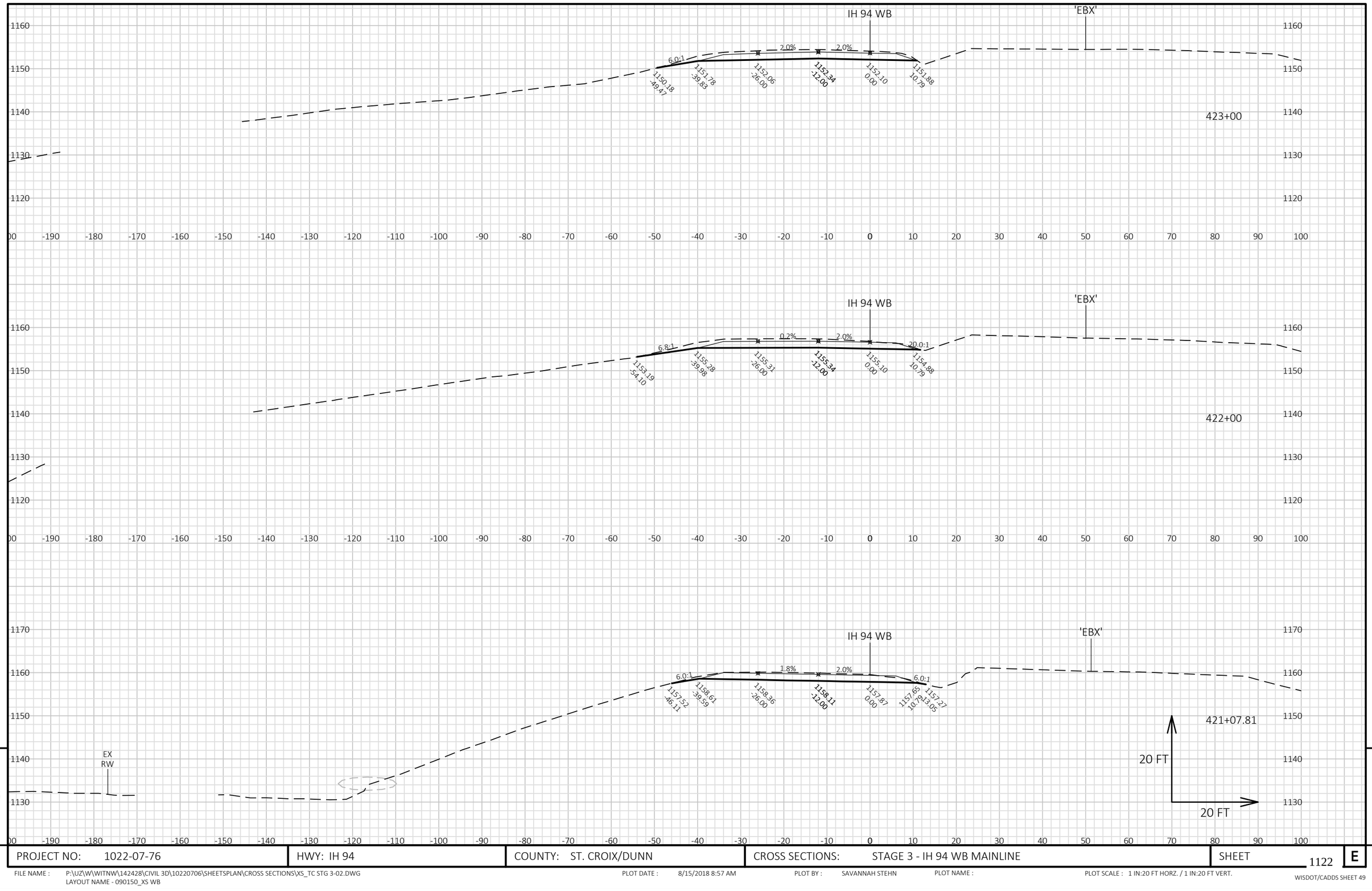
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1121	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090149_XS WB

PLOT DATE : 8/15/2018 8:57 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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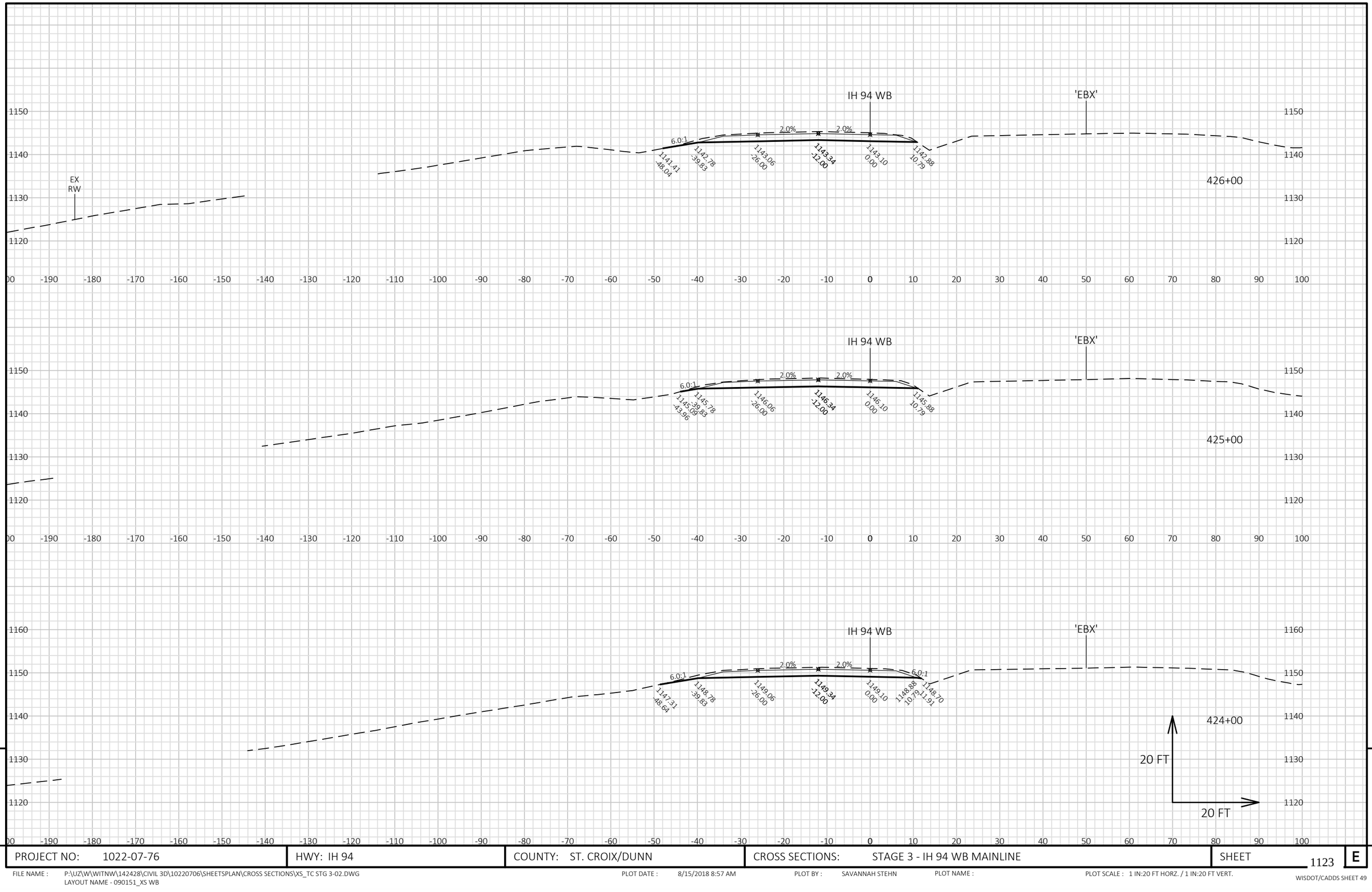
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1122	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090150_XS WB

PLOT DATE : 8/15/2018 8:57 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

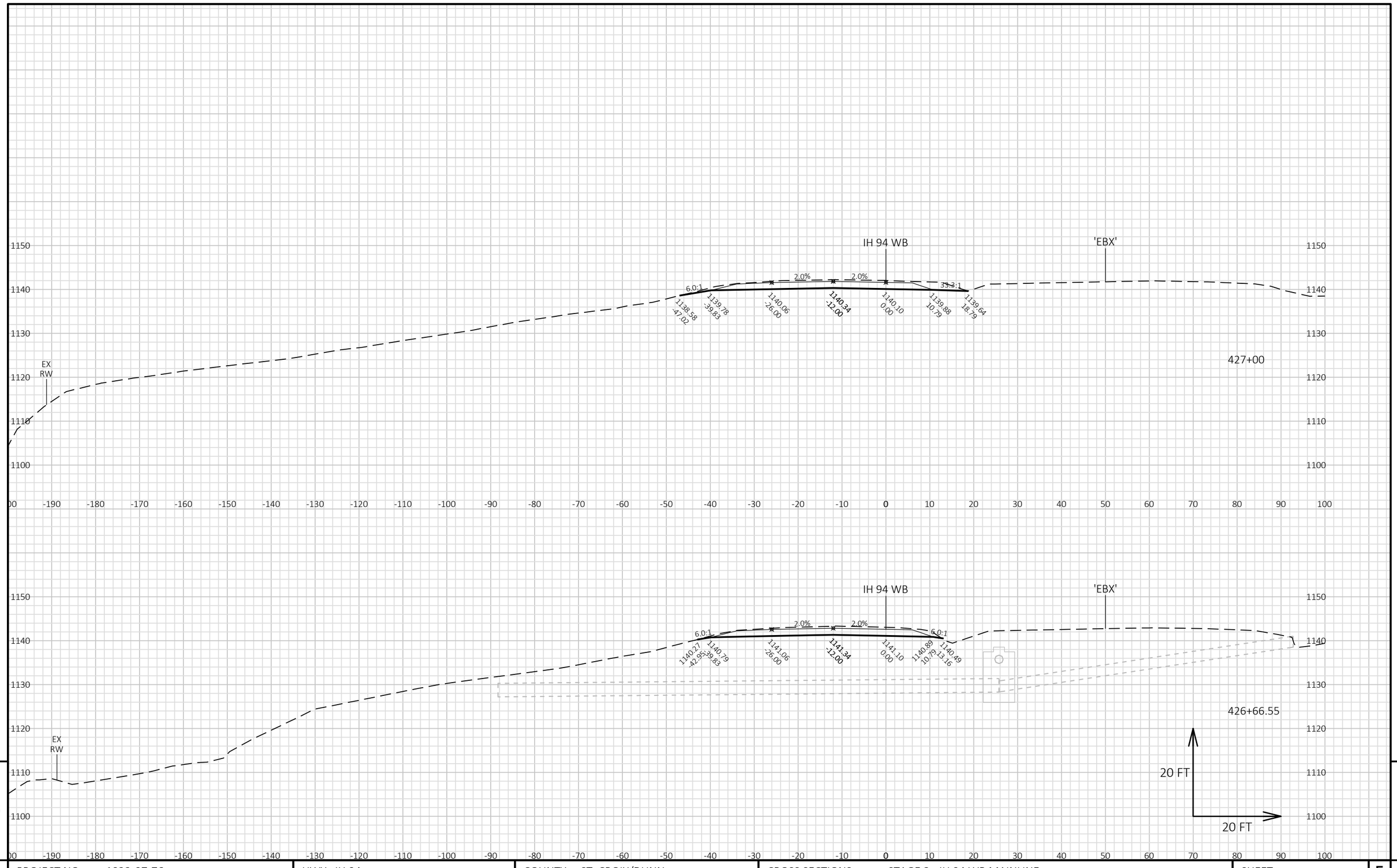


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1123 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090151_XS WB
PLOT DATE : 8/15/2018 8:57 AM
PLOT BY : SAVANNAH STEHN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

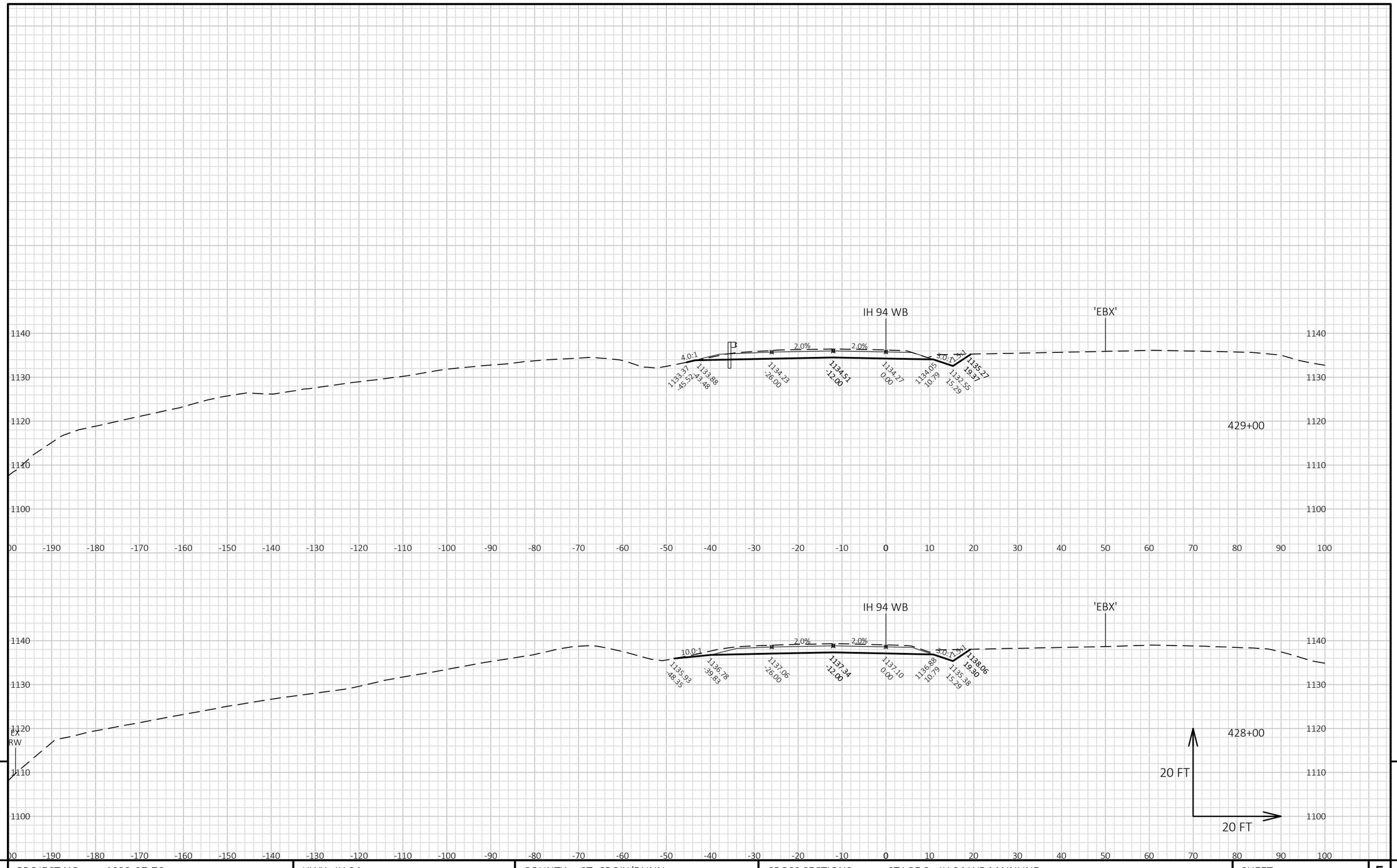


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1124 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090152_XS WB

PLOT DATE : 8/15/2018 8:57 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

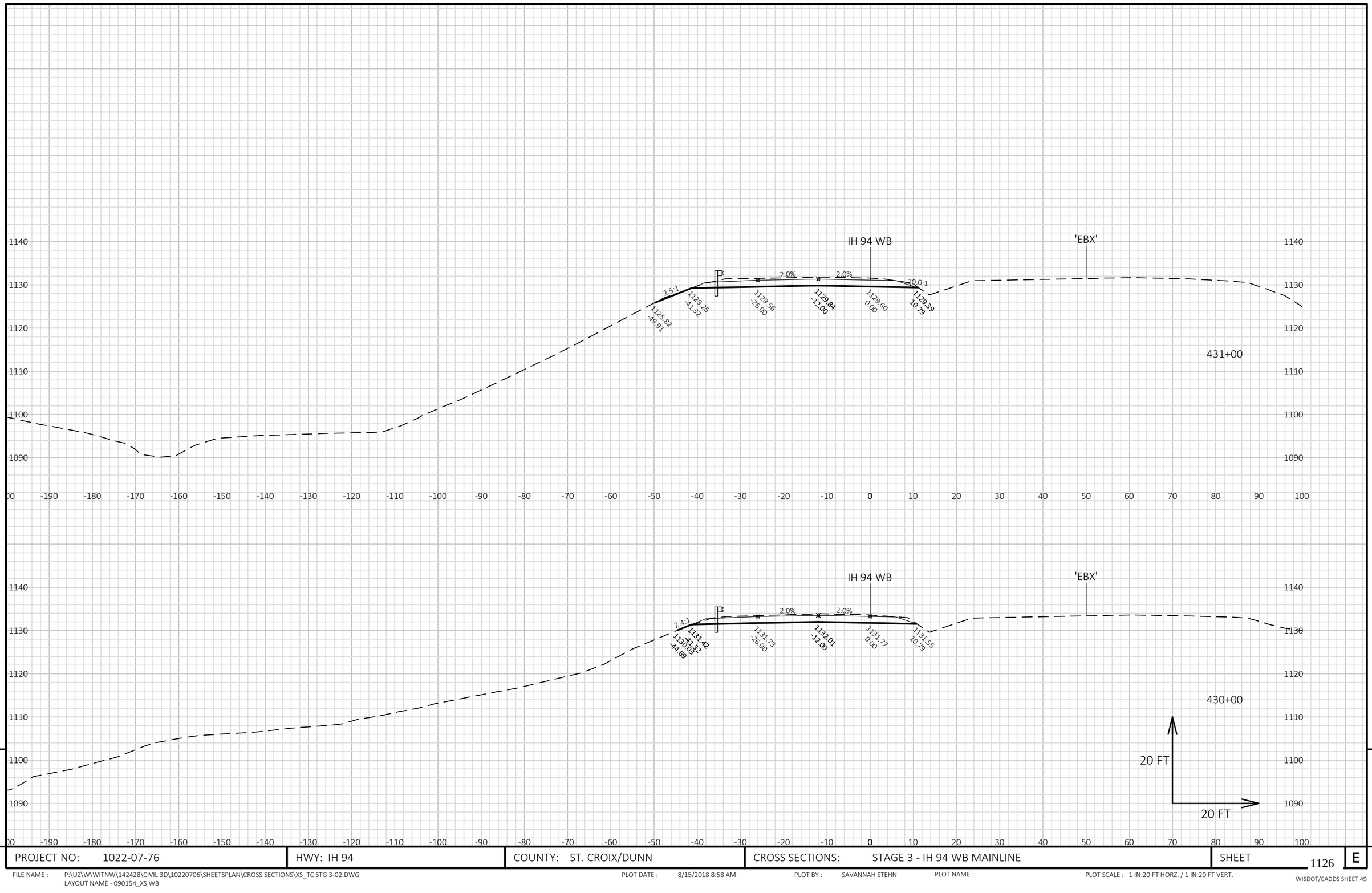


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1125 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090153_XS WB

PLOT DATE : 8/15/2018 8:58 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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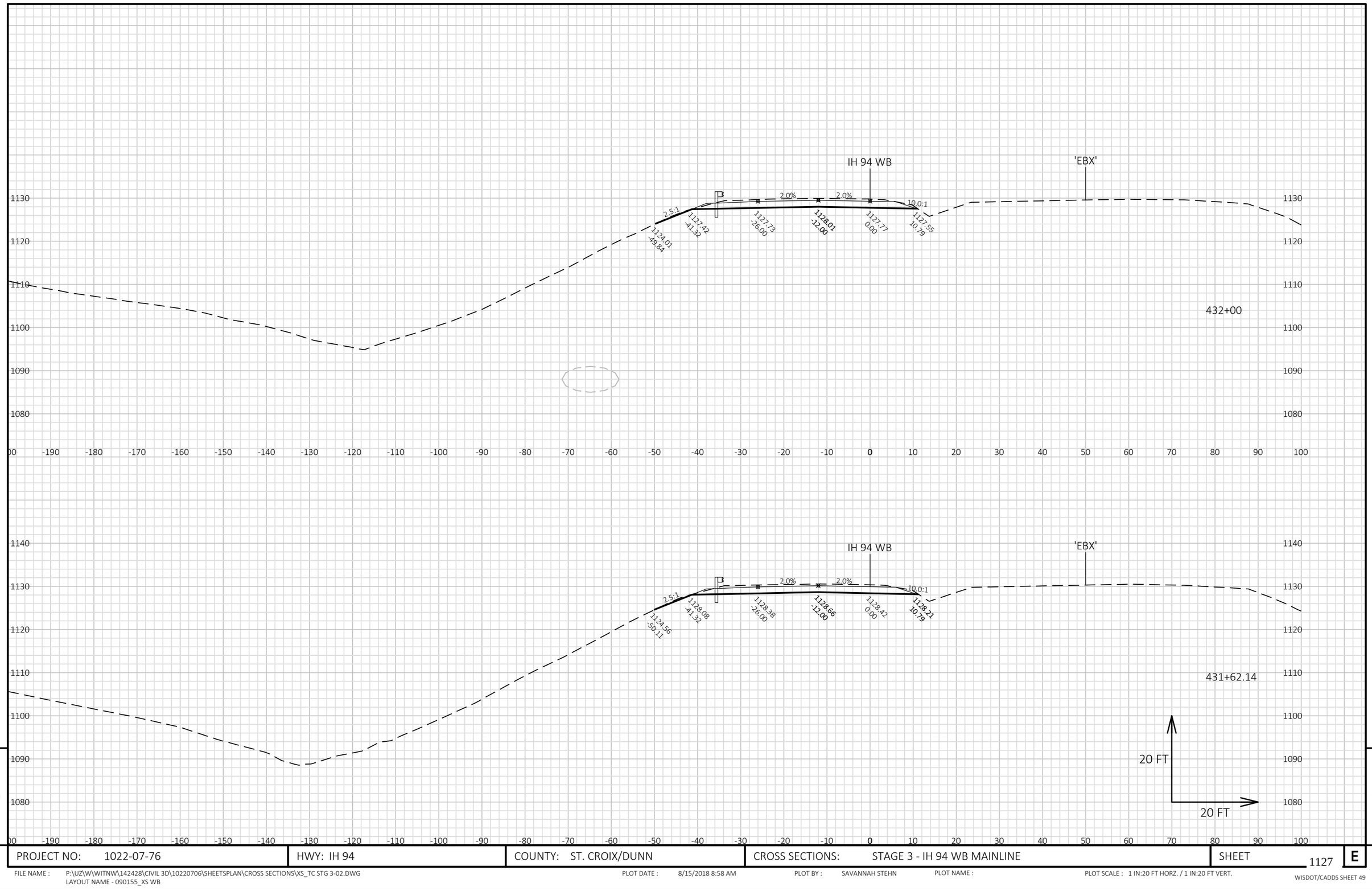
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1126	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090154_XS WB

PLOT DATE : 8/15/2018 8:58 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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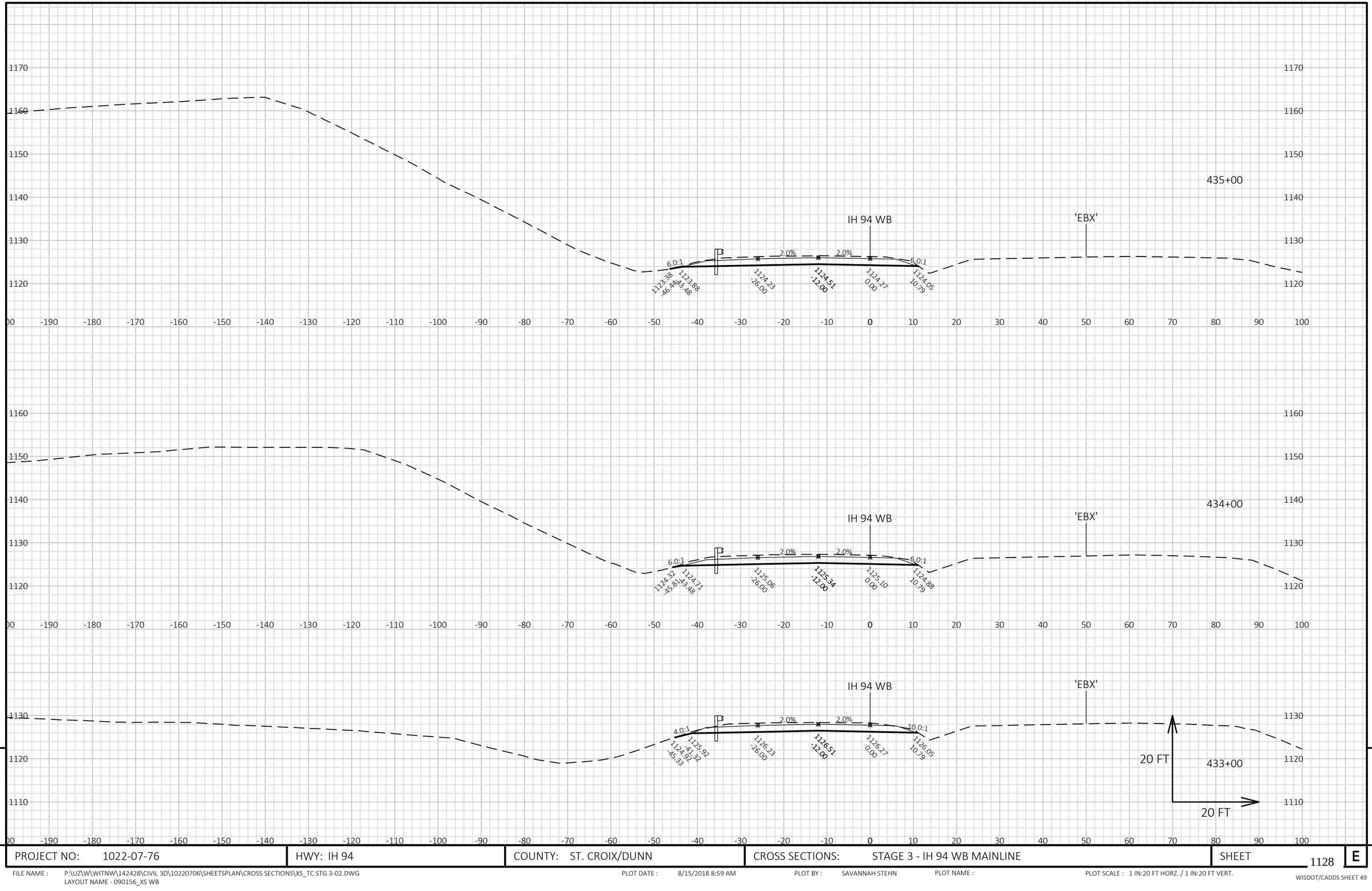
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1127	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090155_XS WB

PLOT DATE : 8/15/2018 8:58 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



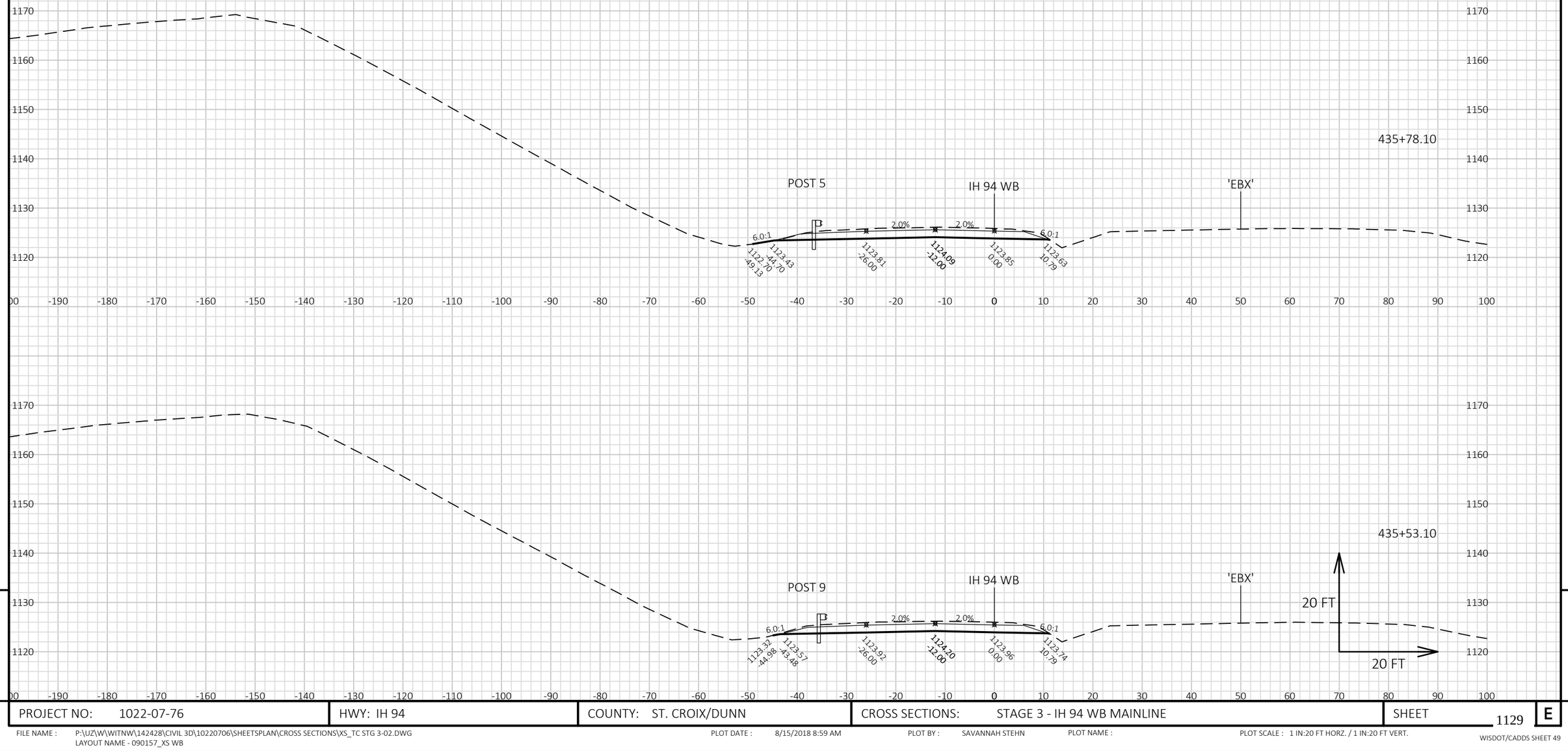
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1128 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090156_XS WB

PLOT DATE : 8/15/2018 8:59 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



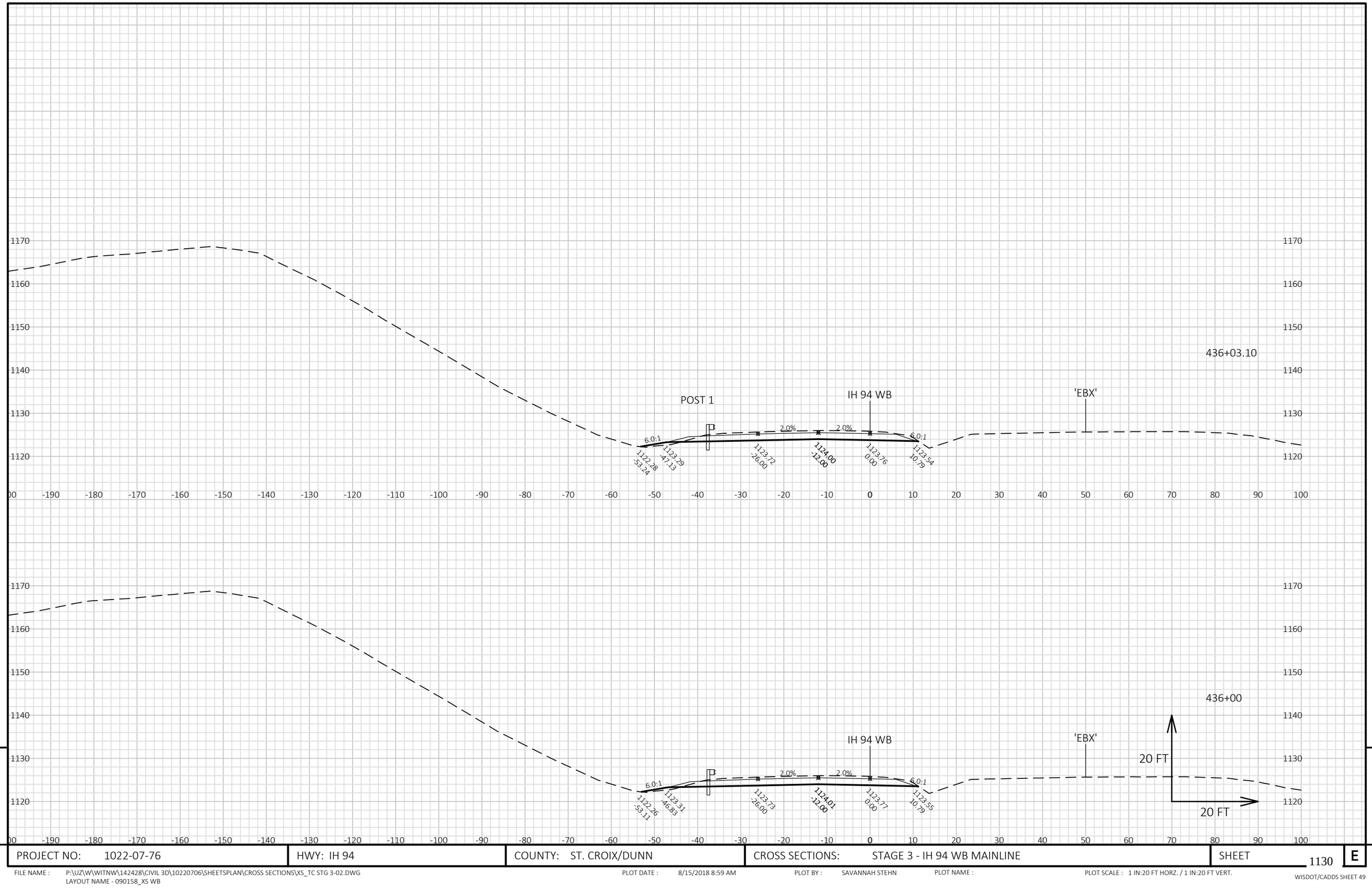
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1129	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090157_XS WB

PLOT DATE : 8/15/2018 8:59 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

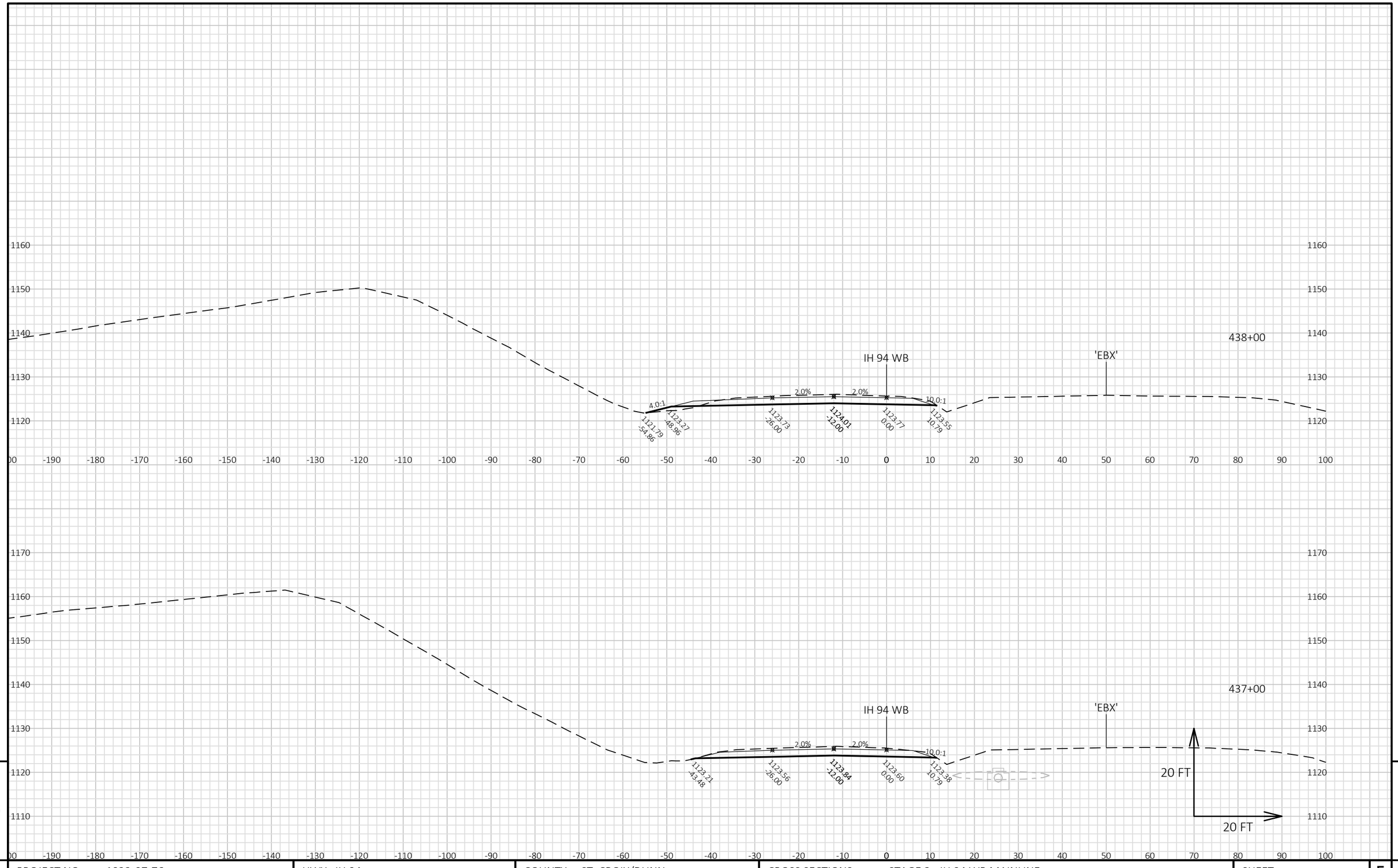


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1130 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090158_XS WB

PLOT DATE : 8/15/2018 8:59 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



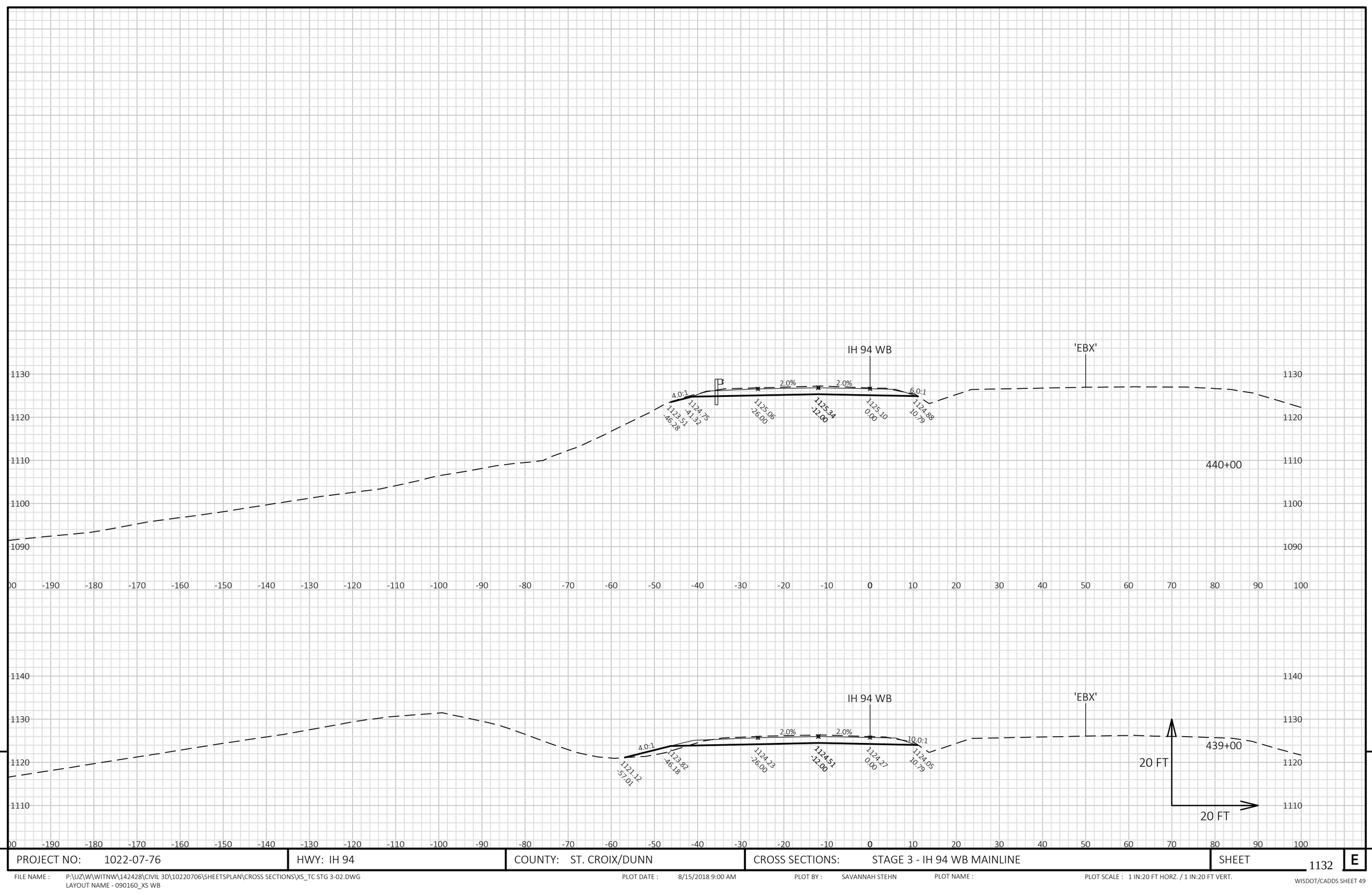
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1131 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090159_XS WB

PLOT DATE : 8/15/2018 8:59 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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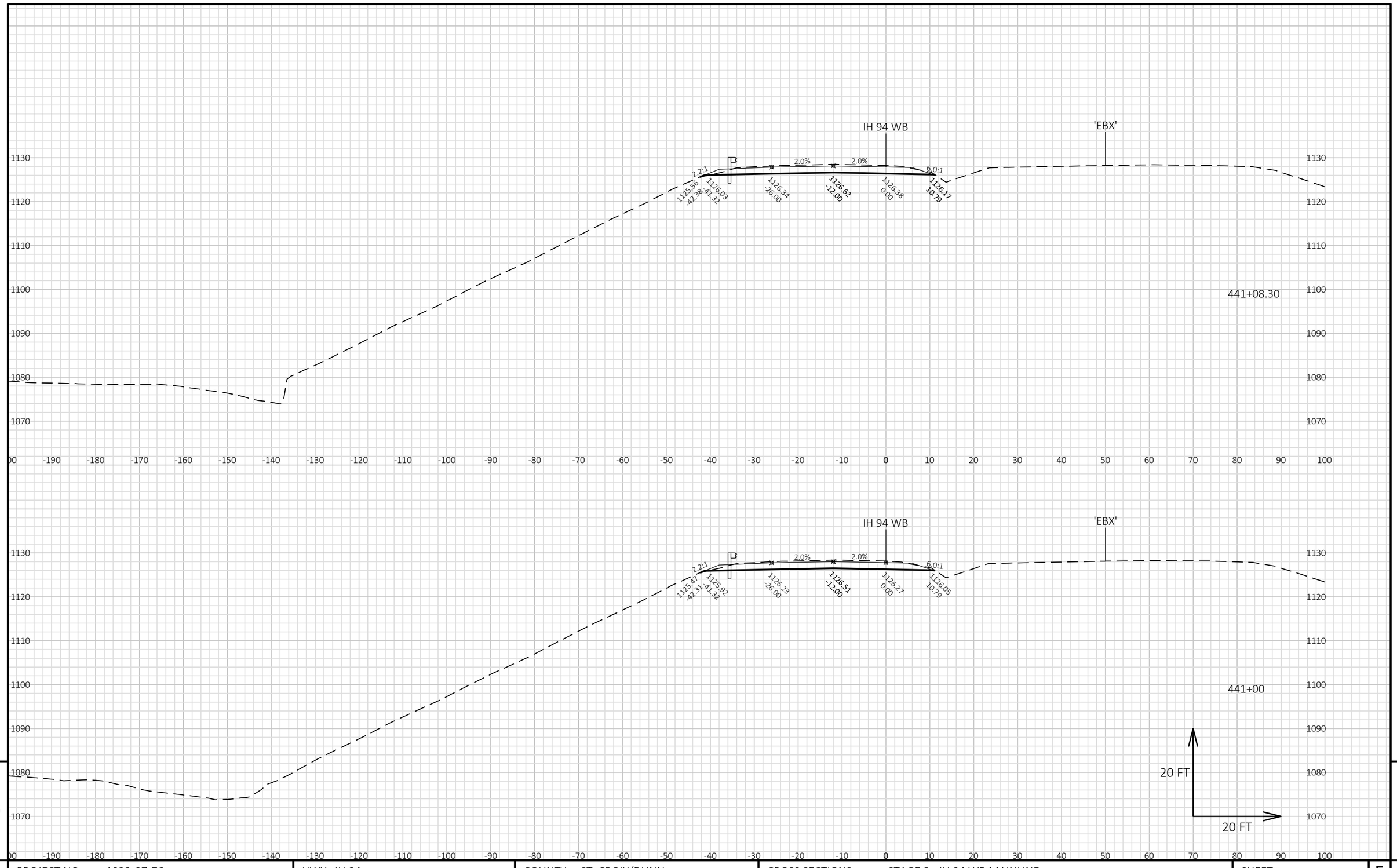
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1132	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090160_XS WB

PLOT DATE : 8/15/2018 9:00 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



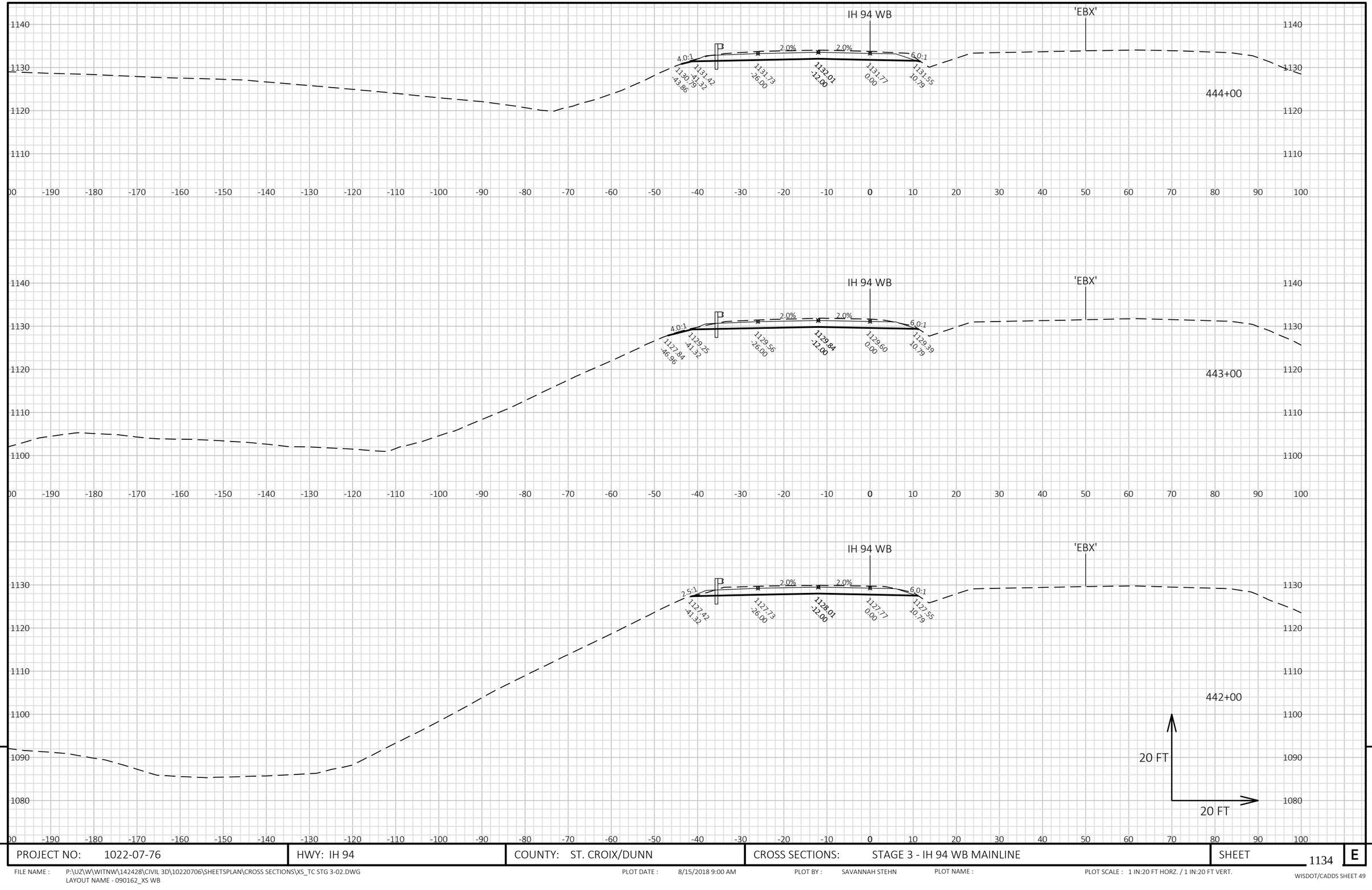
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1133	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090161_XS WB

PLOT DATE : 8/15/2018 9:00 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



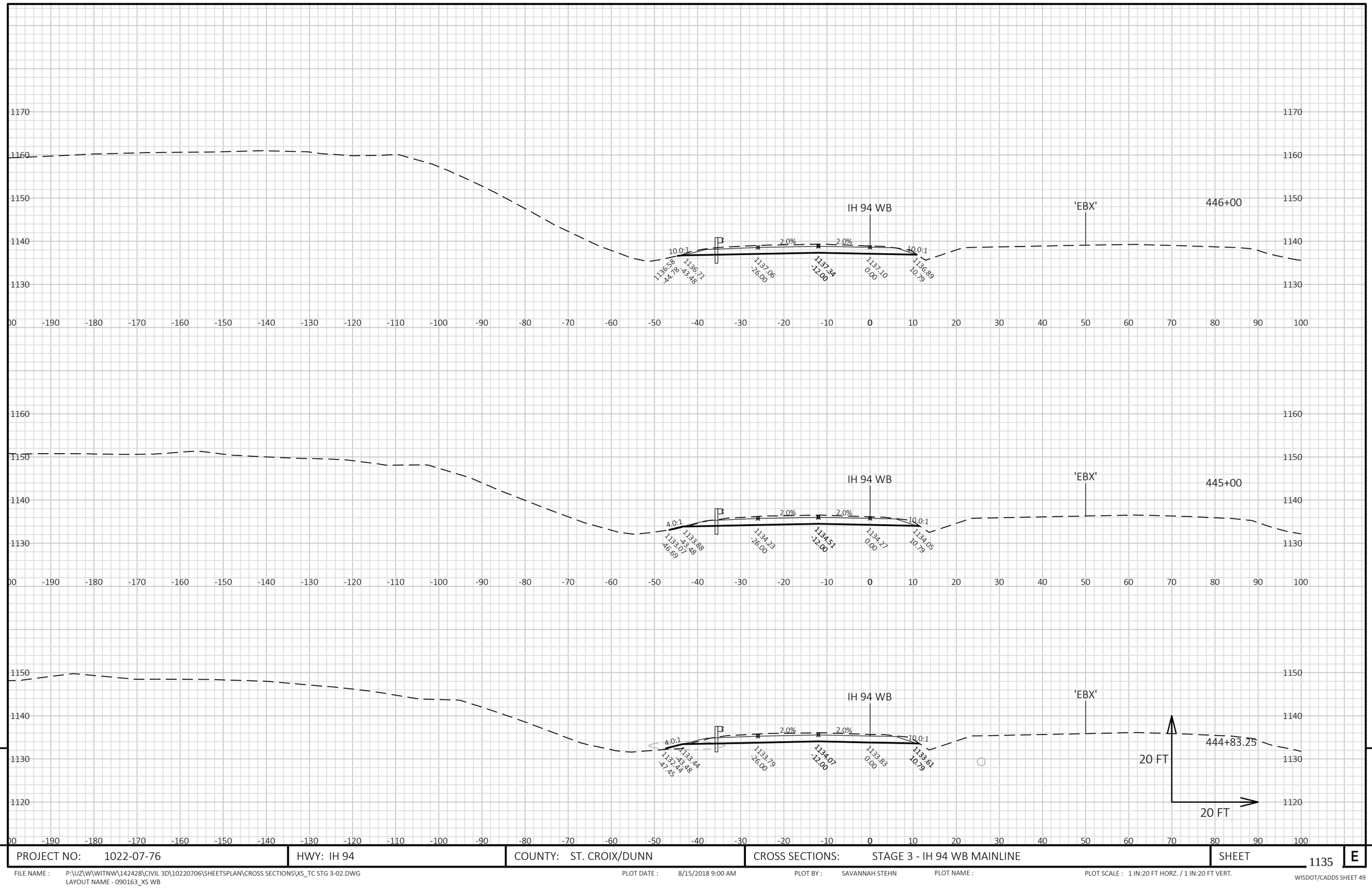
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1134 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090162_XS WB

PLOT DATE : 8/15/2018 9:00 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

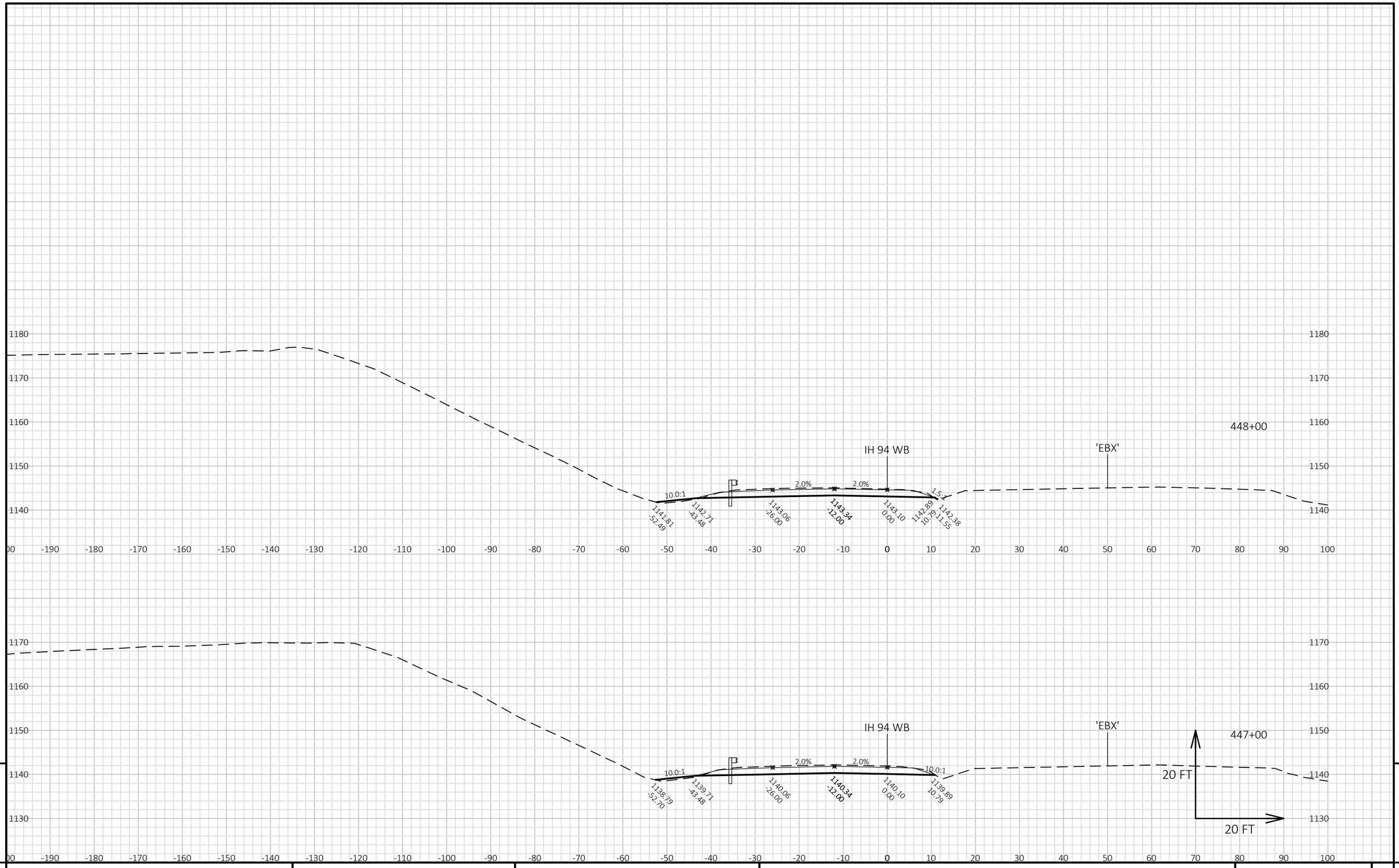


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1135 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090163_XS WB

PLOT DATE : 8/15/2018 9:00 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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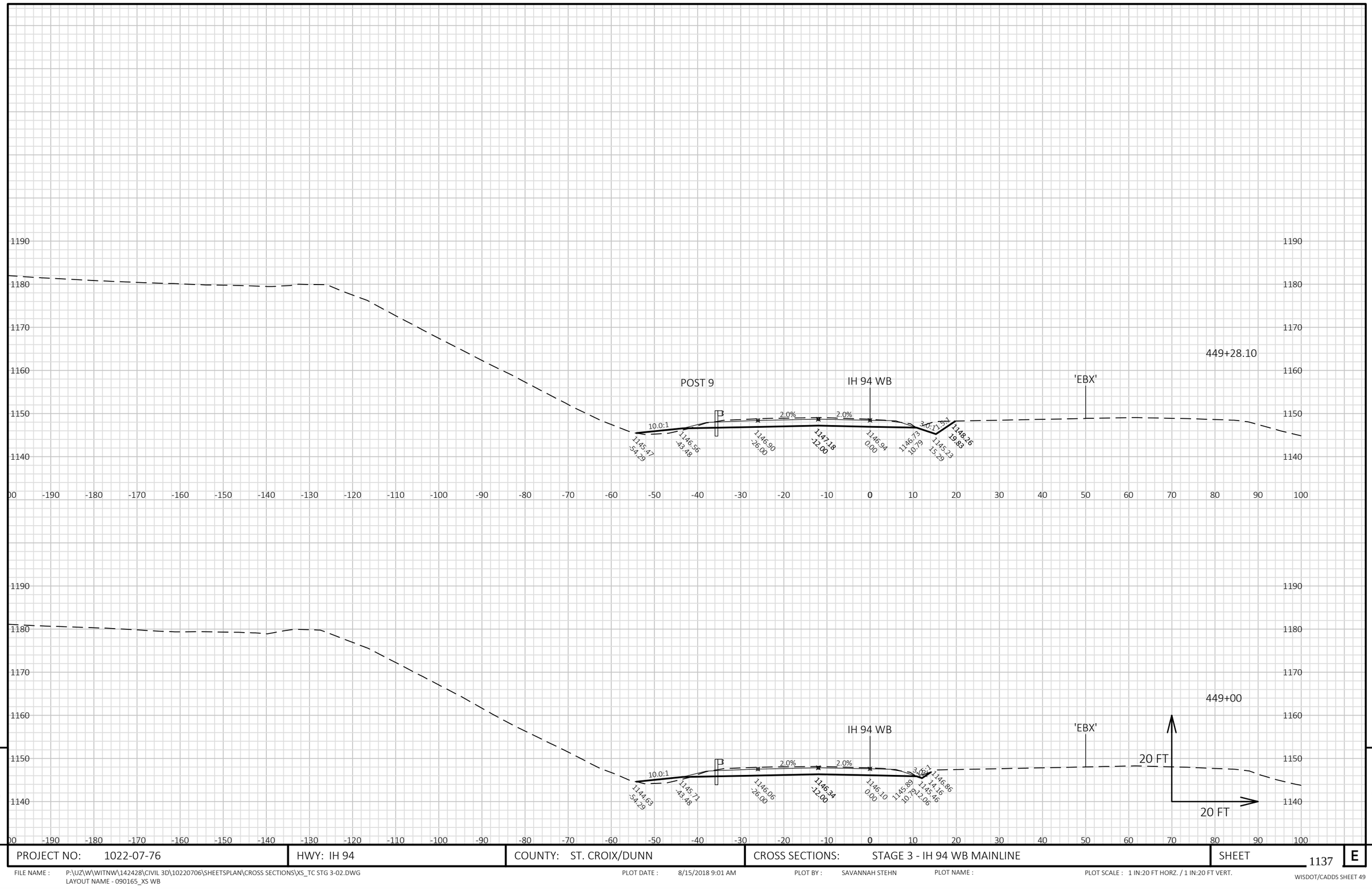
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1136	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090164_XS WB

PLOT DATE : 8/15/2018 9:01 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



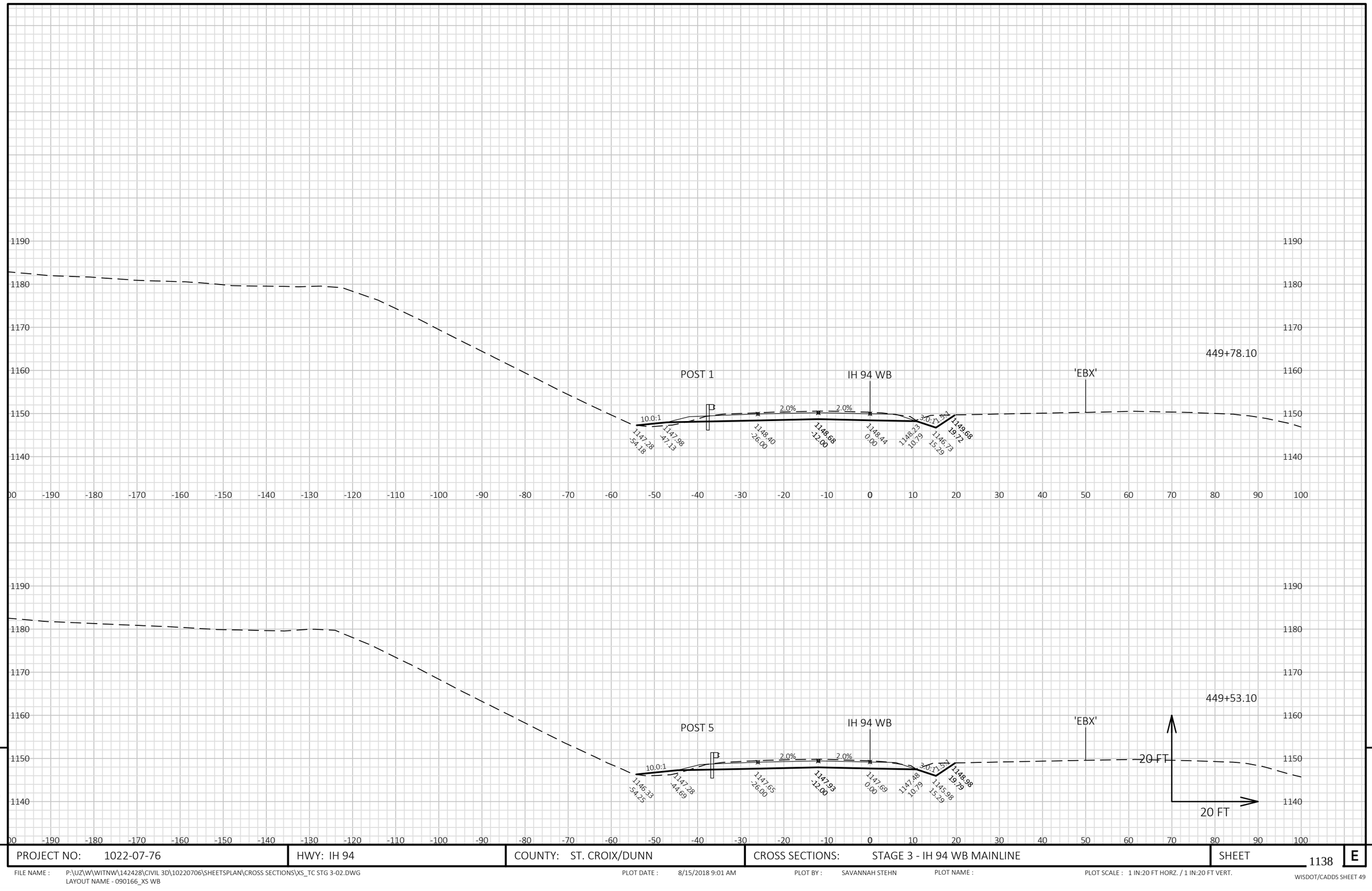
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1137	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090165_XS WB

PLOT DATE : 8/15/2018 9:01 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



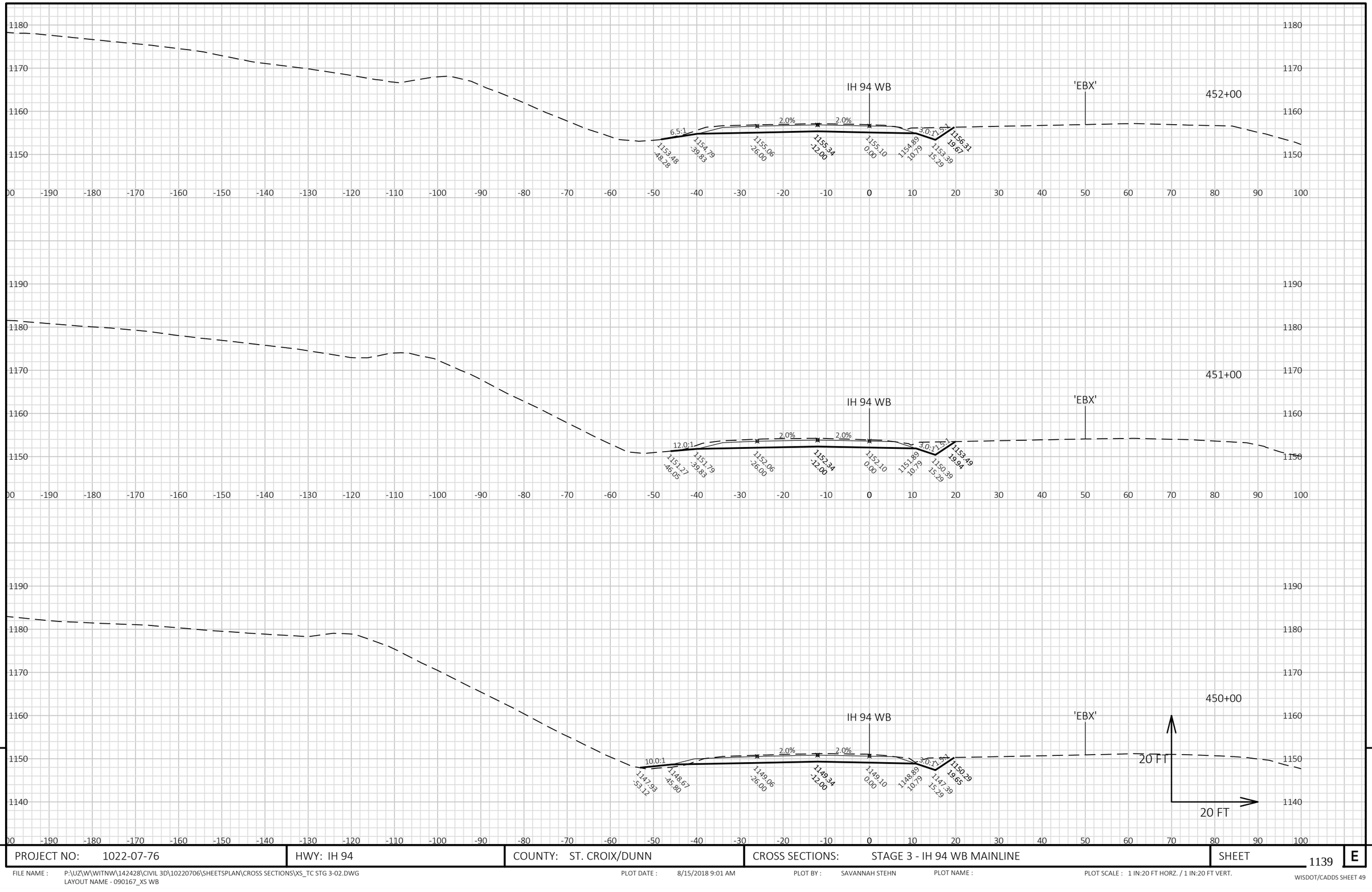
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1138	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090166_XS WB

PLOT DATE : 8/15/2018 9:01 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1139 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090167_XS WB

PLOT DATE : 8/15/2018 9:01 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

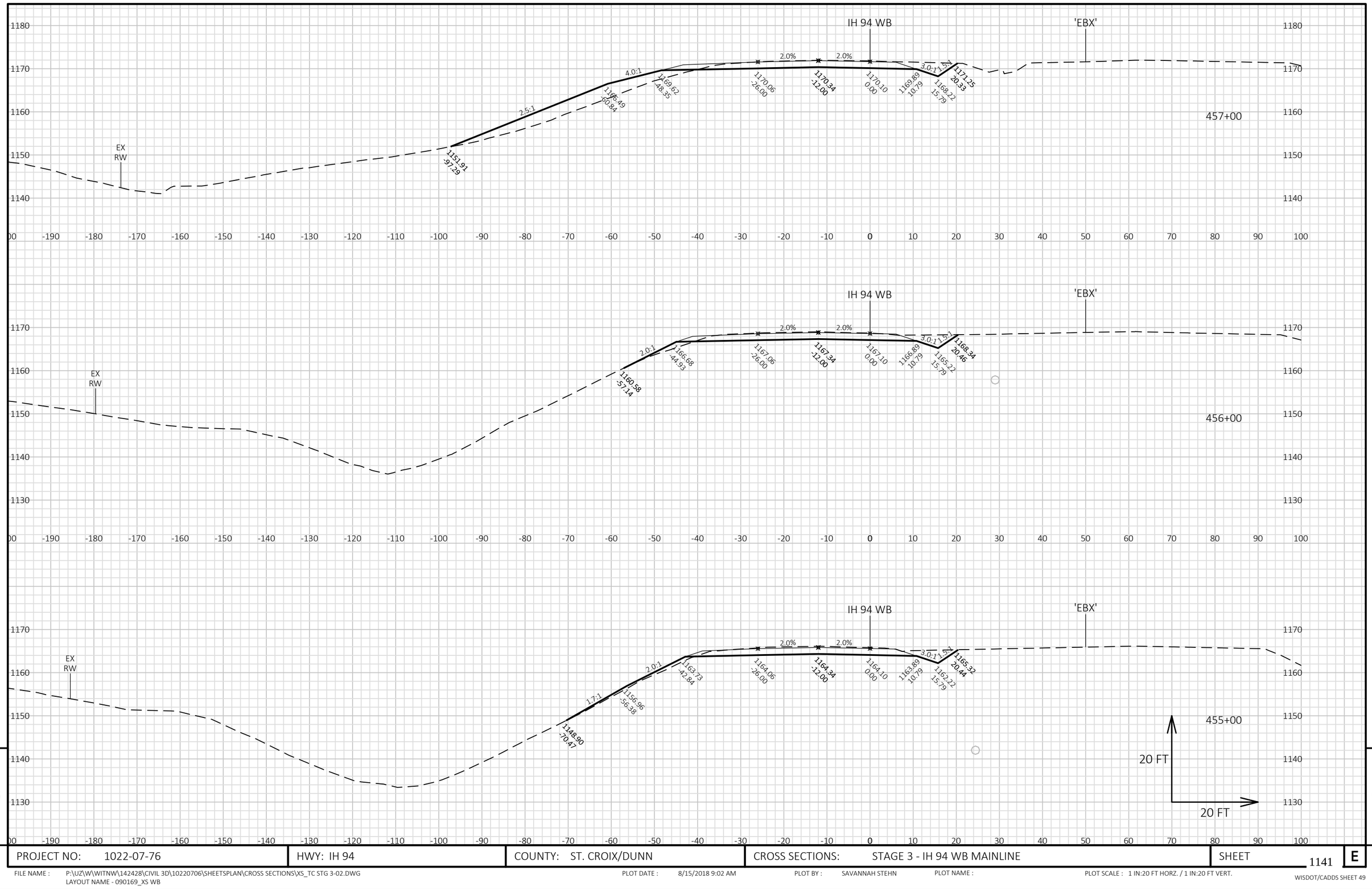
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1140 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090168_XS WB

PLOT DATE : 8/15/2018 9:02 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

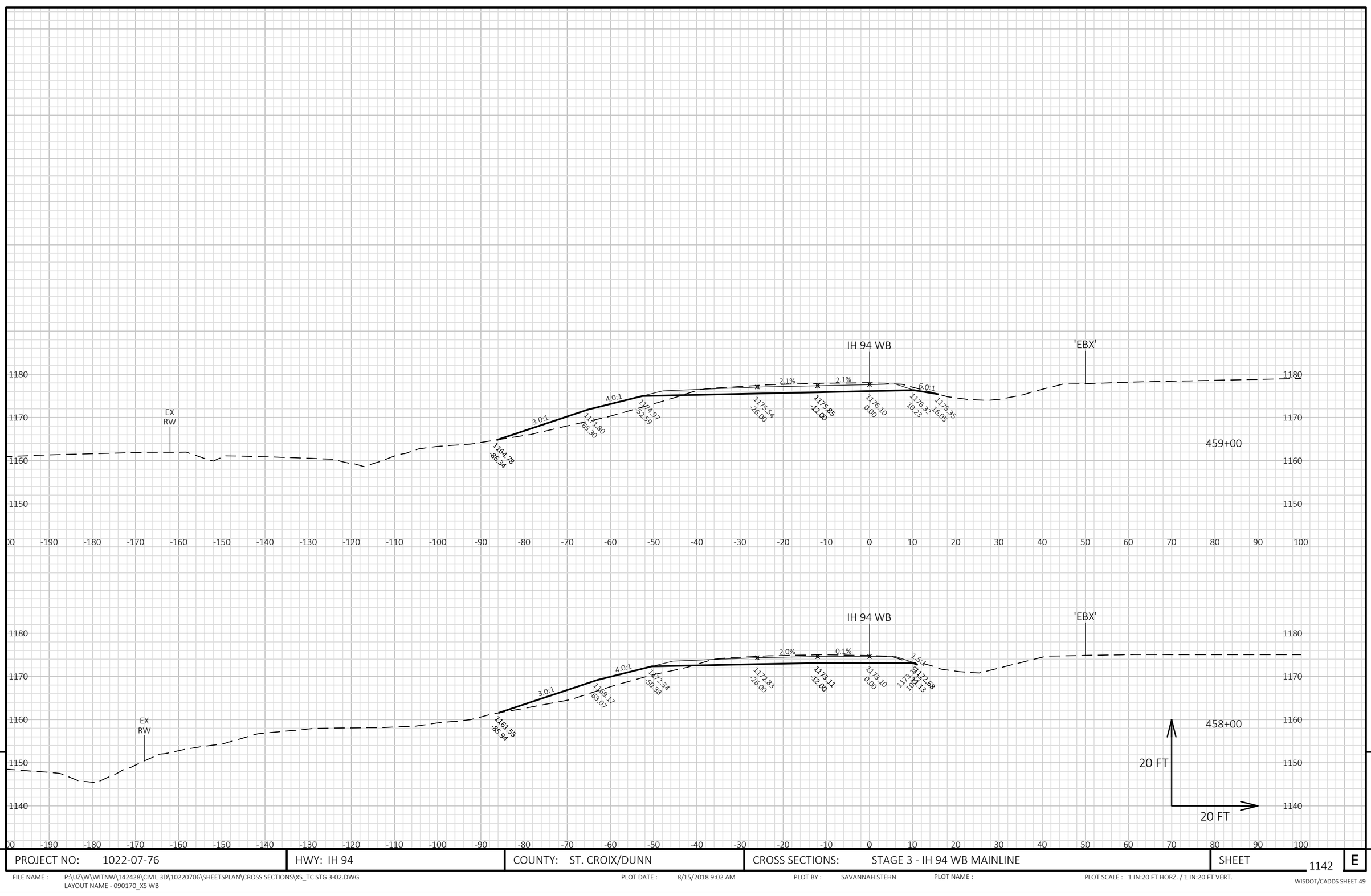


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1141 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090169_XS WB

PLOT DATE : 8/15/2018 9:02 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



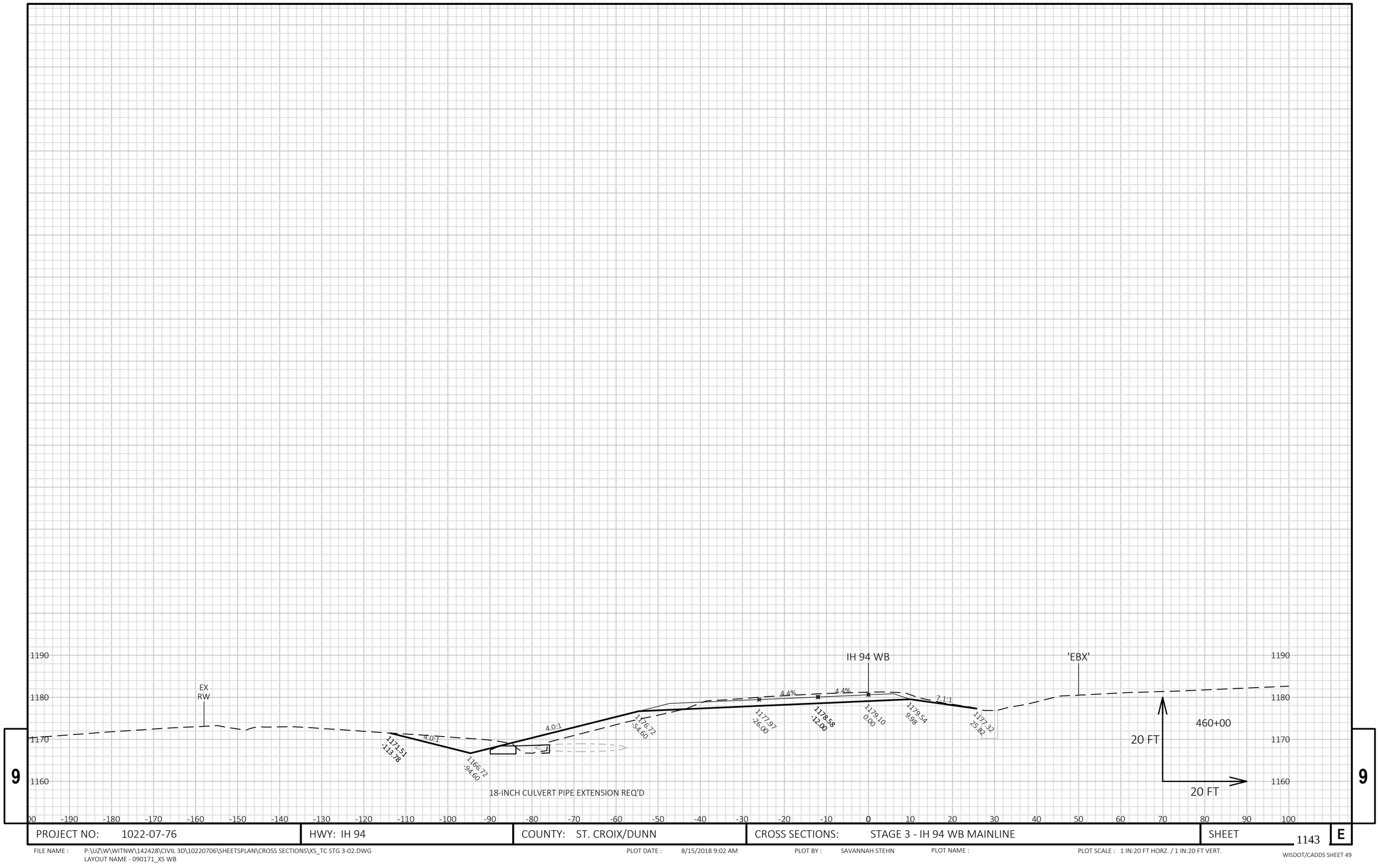
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1142	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090170_XS WB

PLOT DATE : 8/15/2018 9:02 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

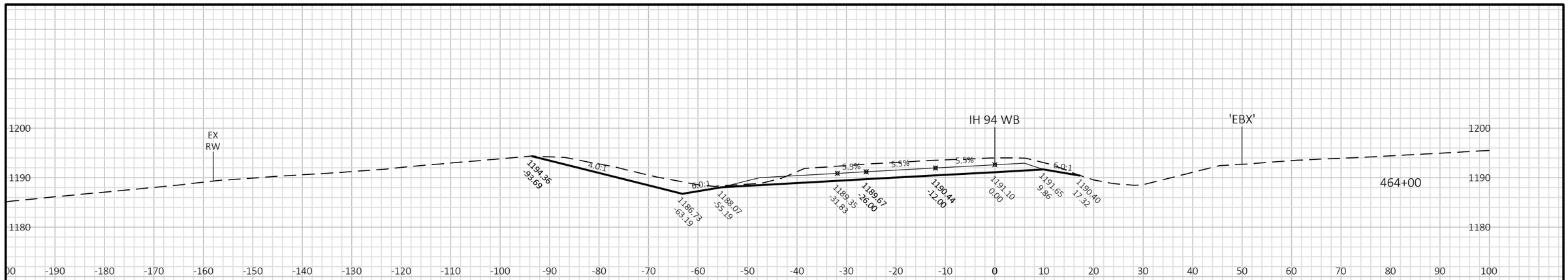


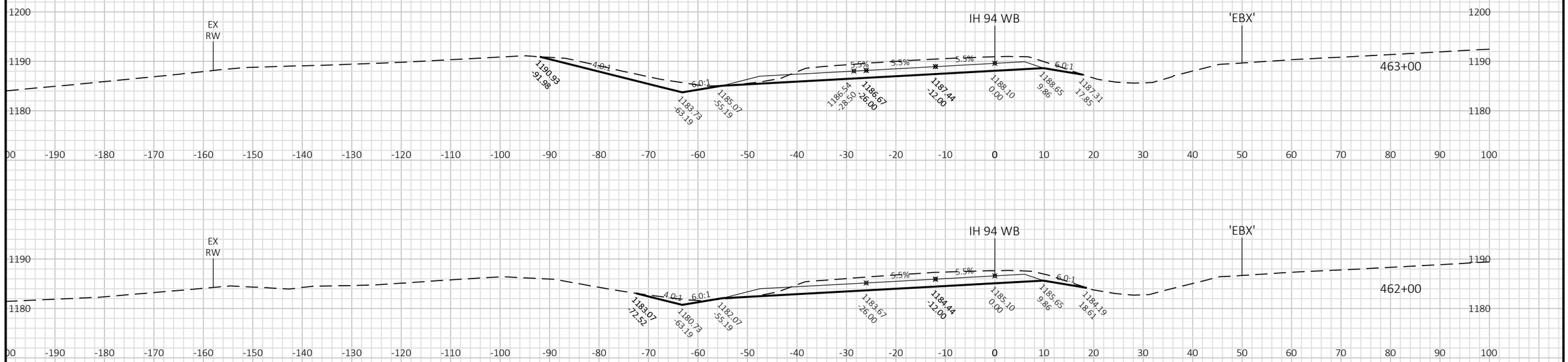
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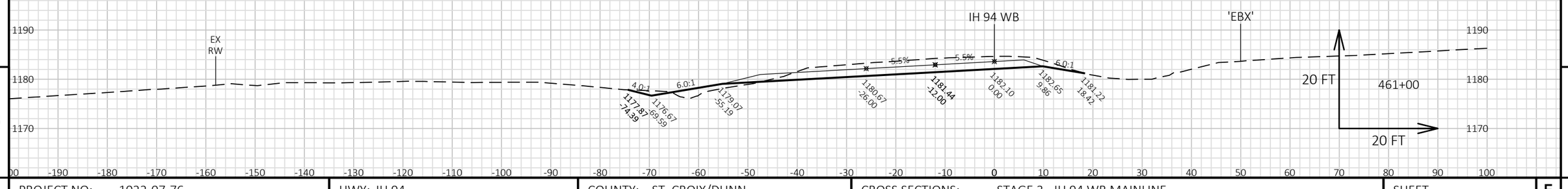
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1143	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090171_XS WB

PLOT DATE : 8/15/2018 9:02 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.







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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1144	E

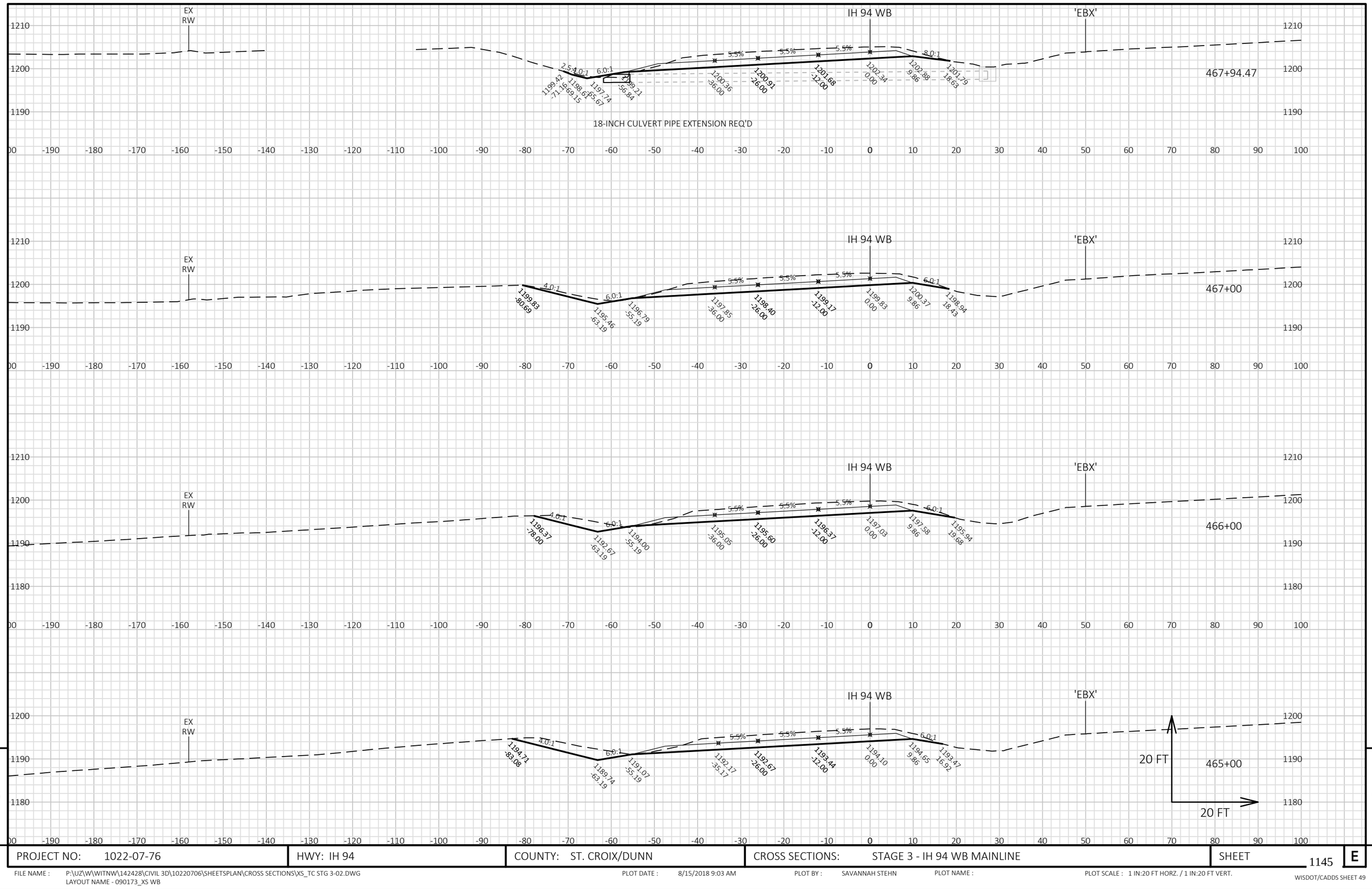
FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090172_XS WB

PLOT DATE : 8/15/2018 9:03 AM

PLOT BY : SAVANNAH STEHN

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

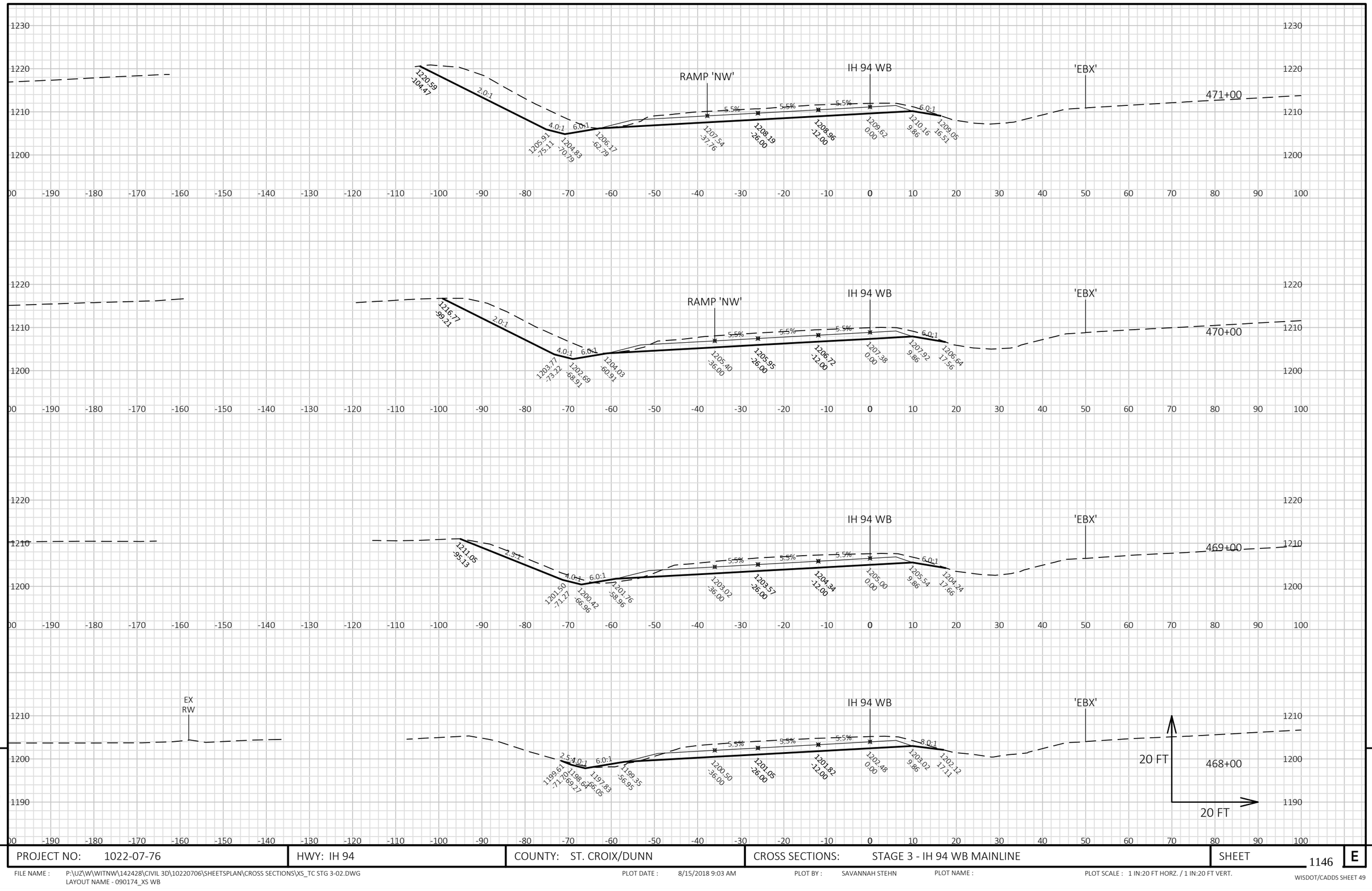
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1145	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090173_XS WB

PLOT DATE : 8/15/2018 9:03 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1146	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090174_XS WB

PLOT DATE : 8/15/2018 9:03 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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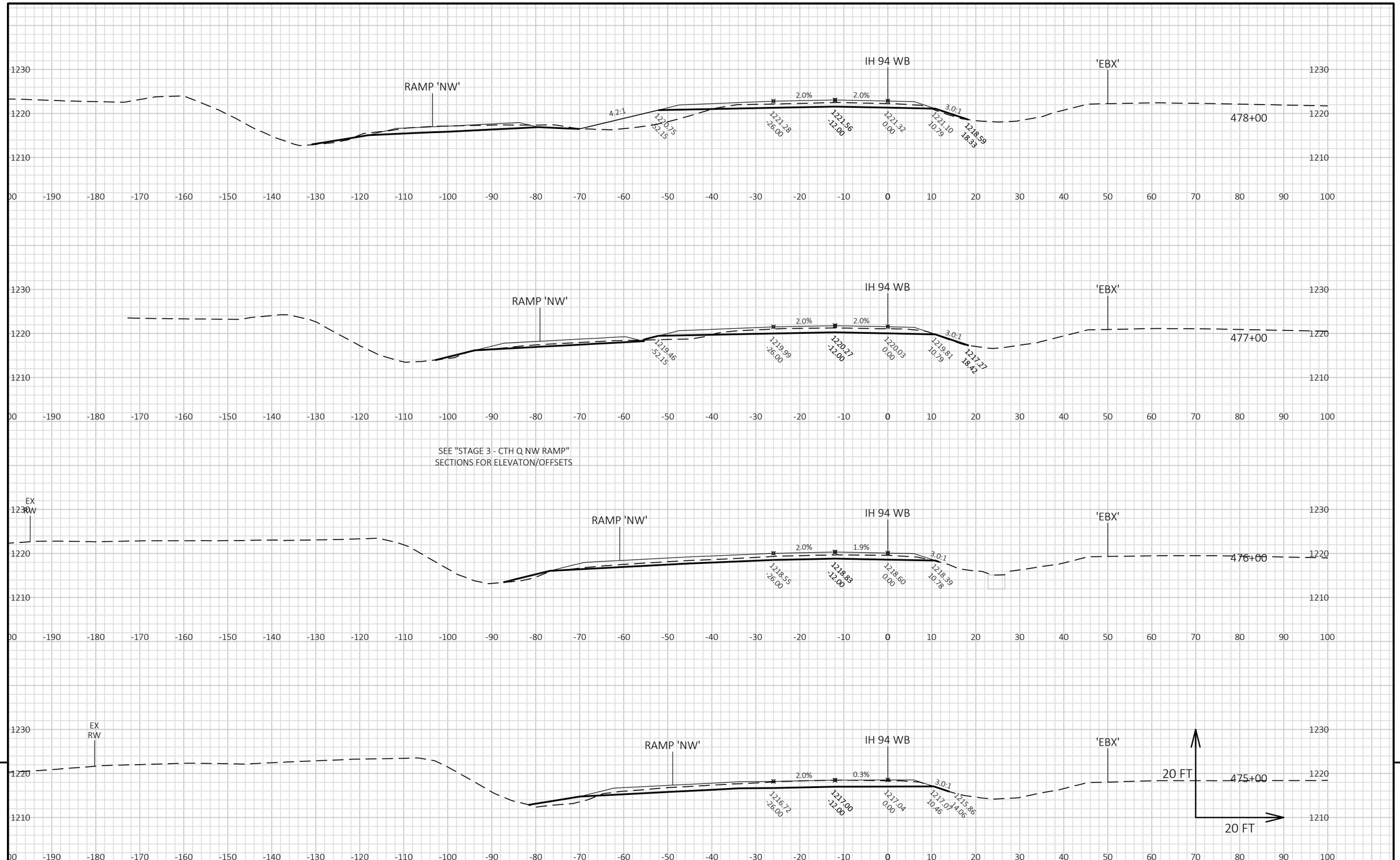
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1147	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090175_XS WB

PLOT DATE : 8/15/2018 9:03 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



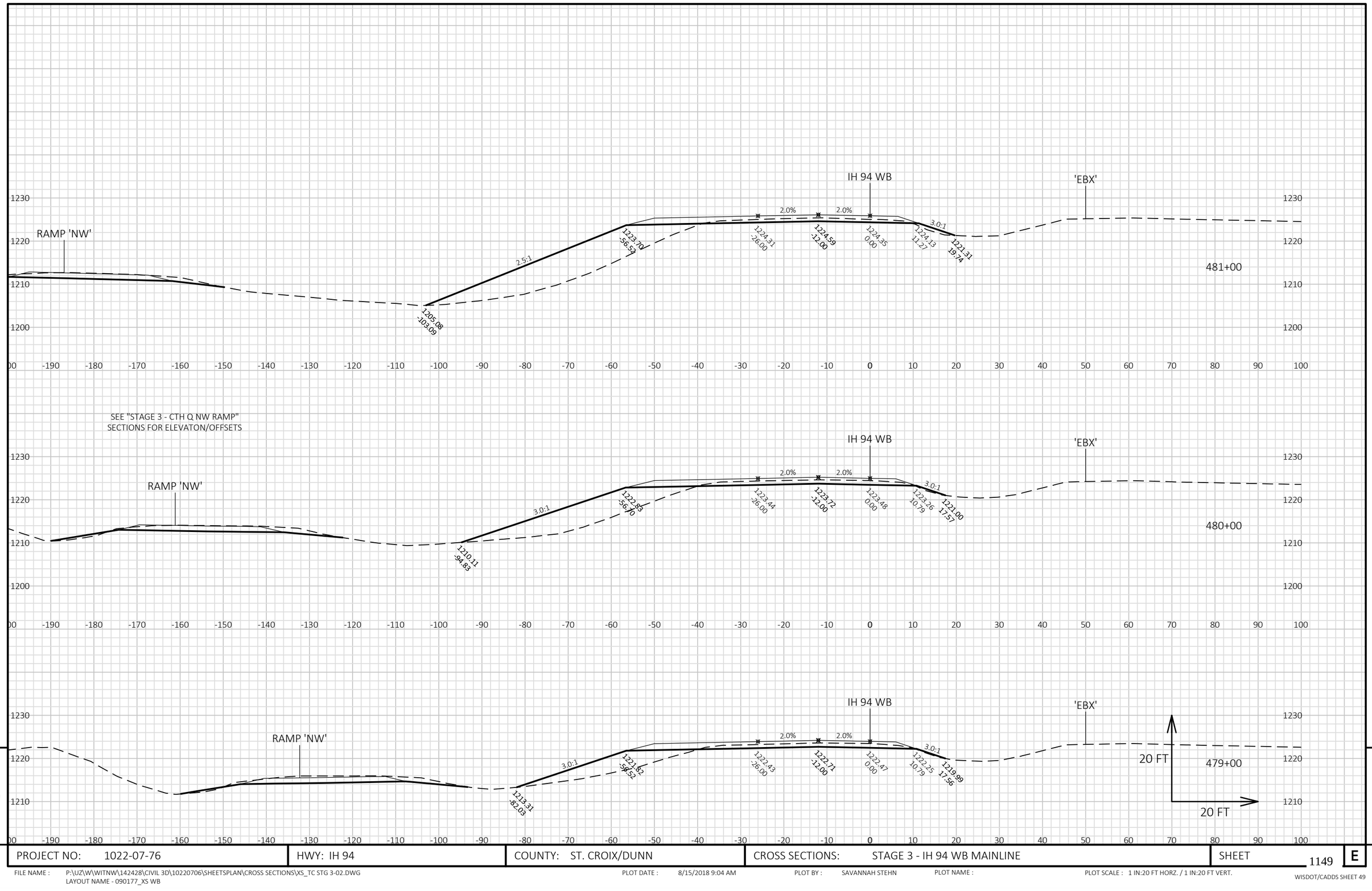
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1148 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090176_XS WB

PLOT DATE : 8/15/2018 9:04 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9 9



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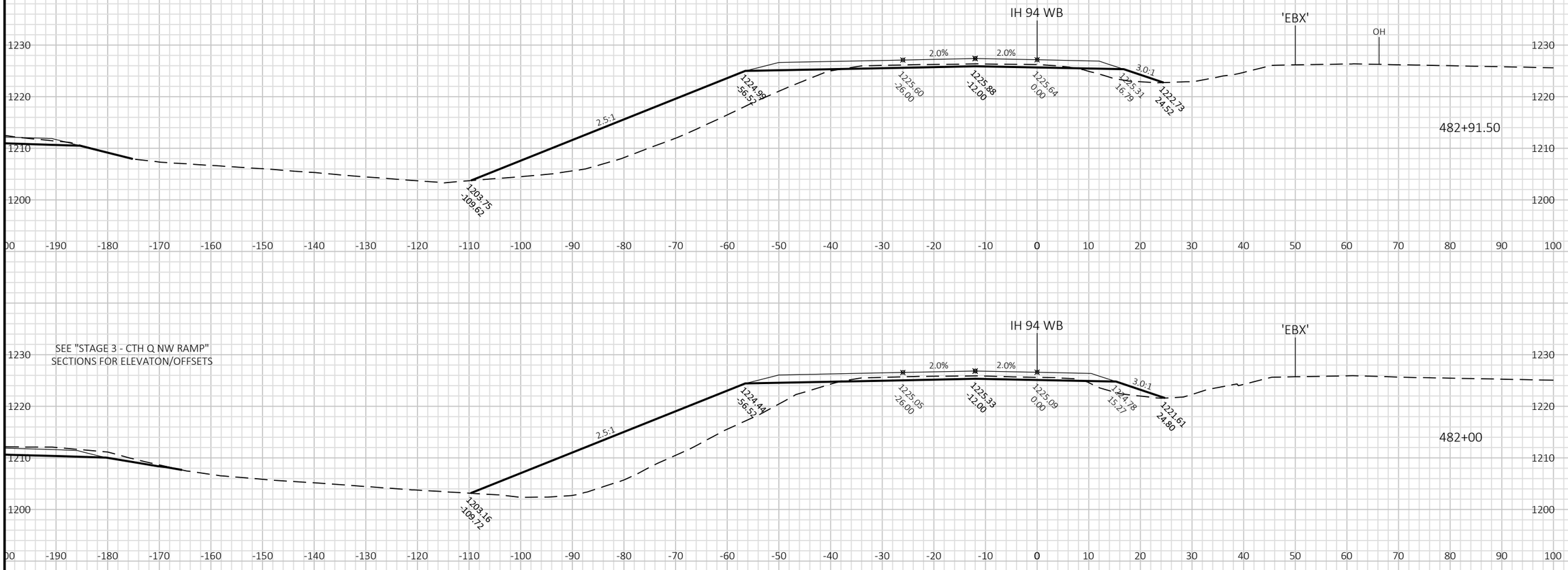
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1149	E

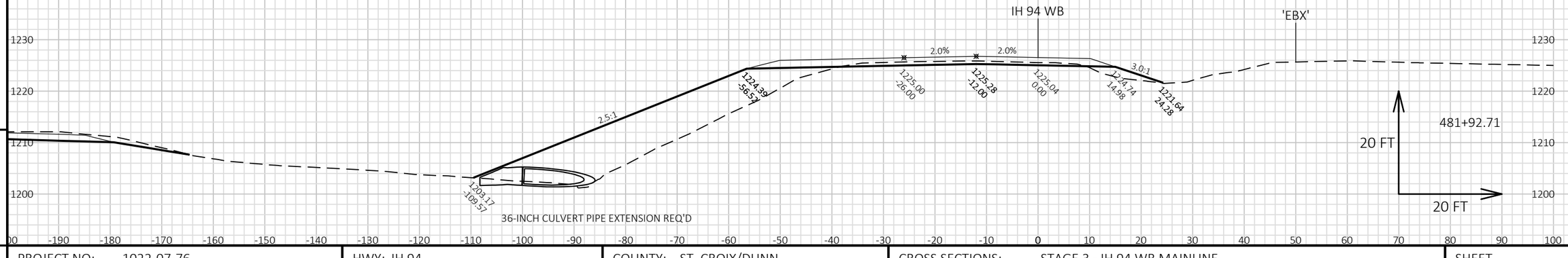
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LAYOUT NAME - 090177_XS WB

PLOT DATE : 8/15/2018 9:04 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

STRUCTURE B-55-0215

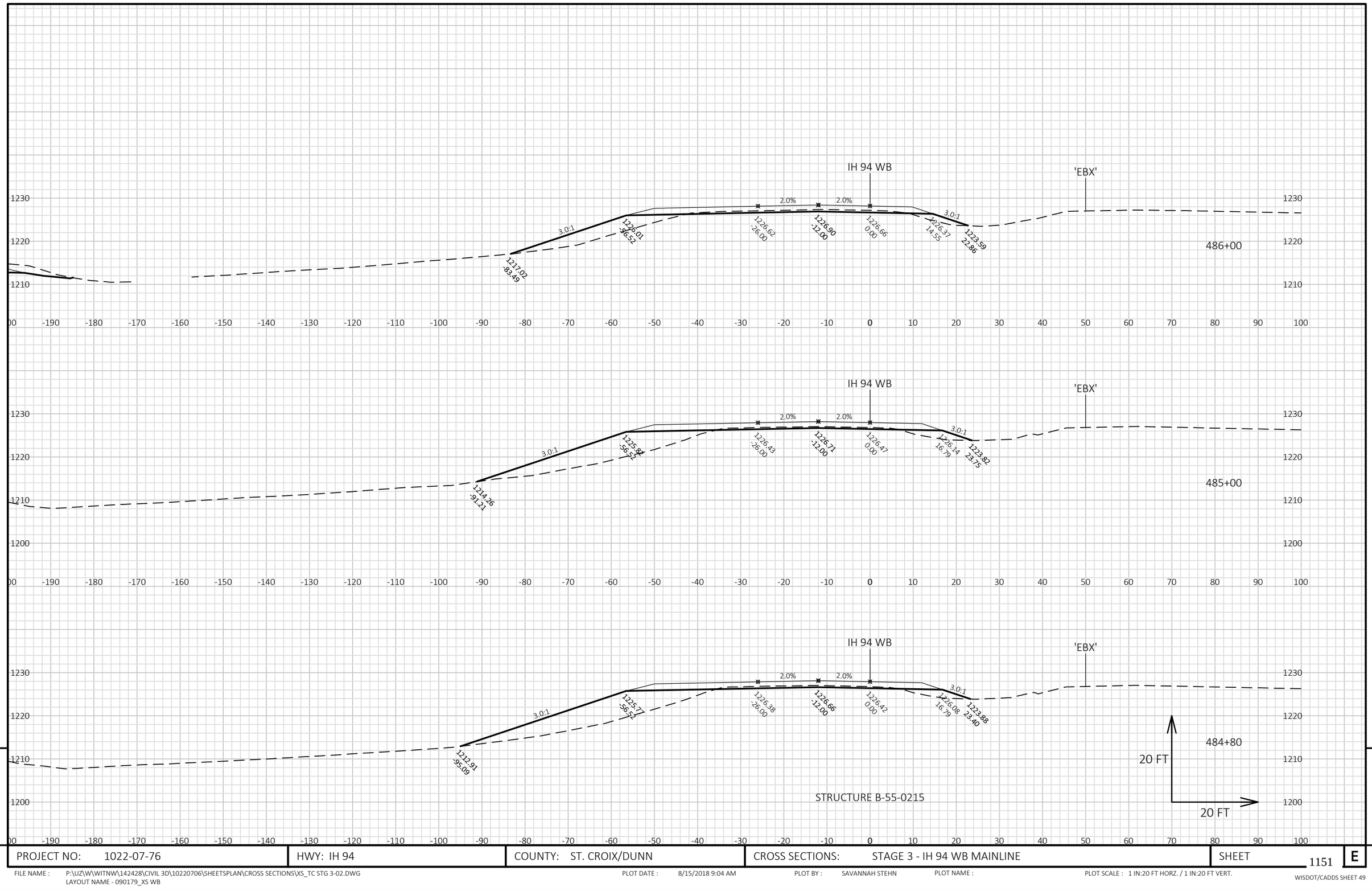


SEE "STAGE 3 - CTH Q NW RAMP"
SECTIONS FOR ELEVATON/OFFSETS



9 9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1150 E



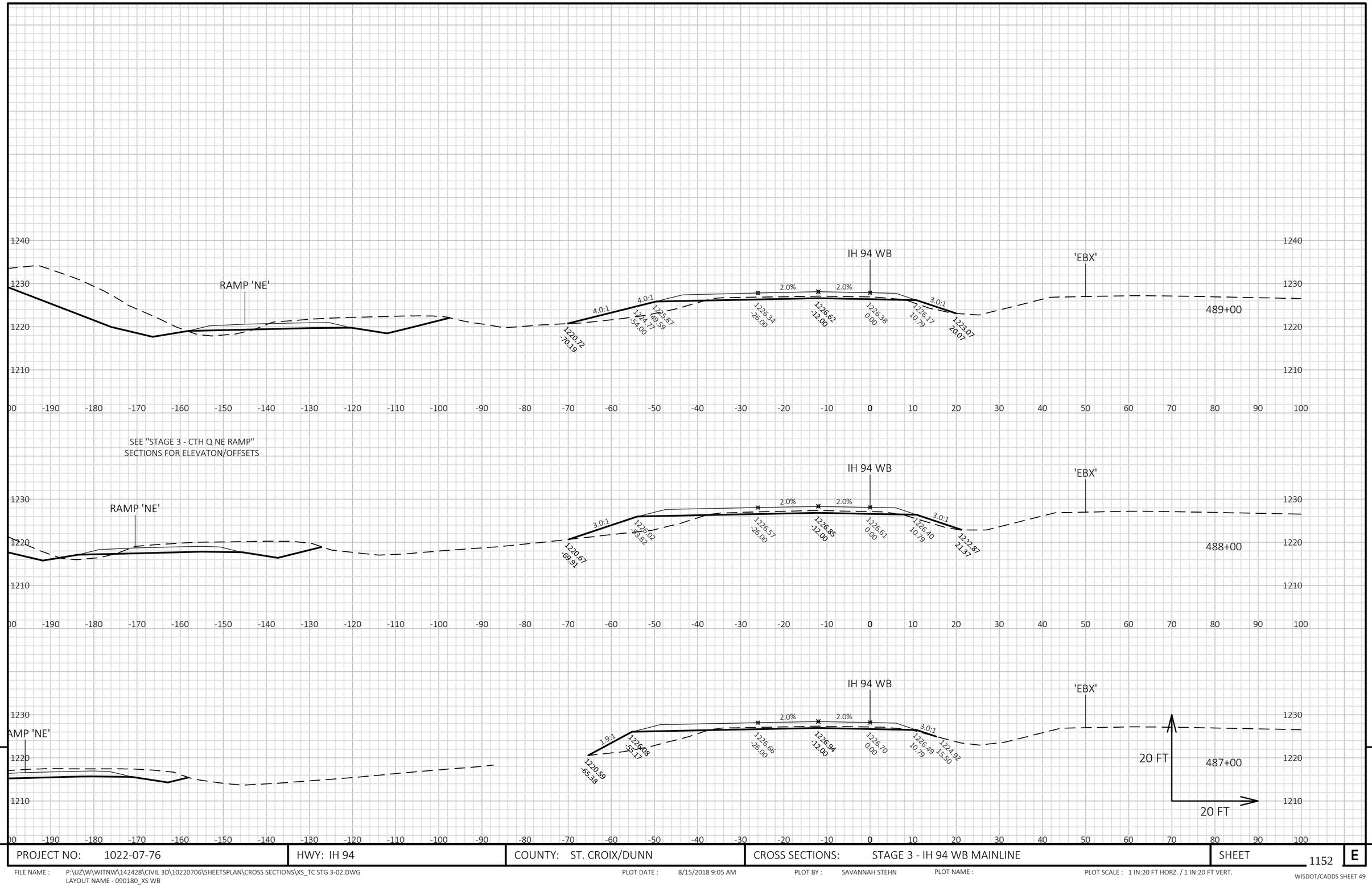
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1151 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090179_XS WB

PLOT DATE : 8/15/2018 9:04 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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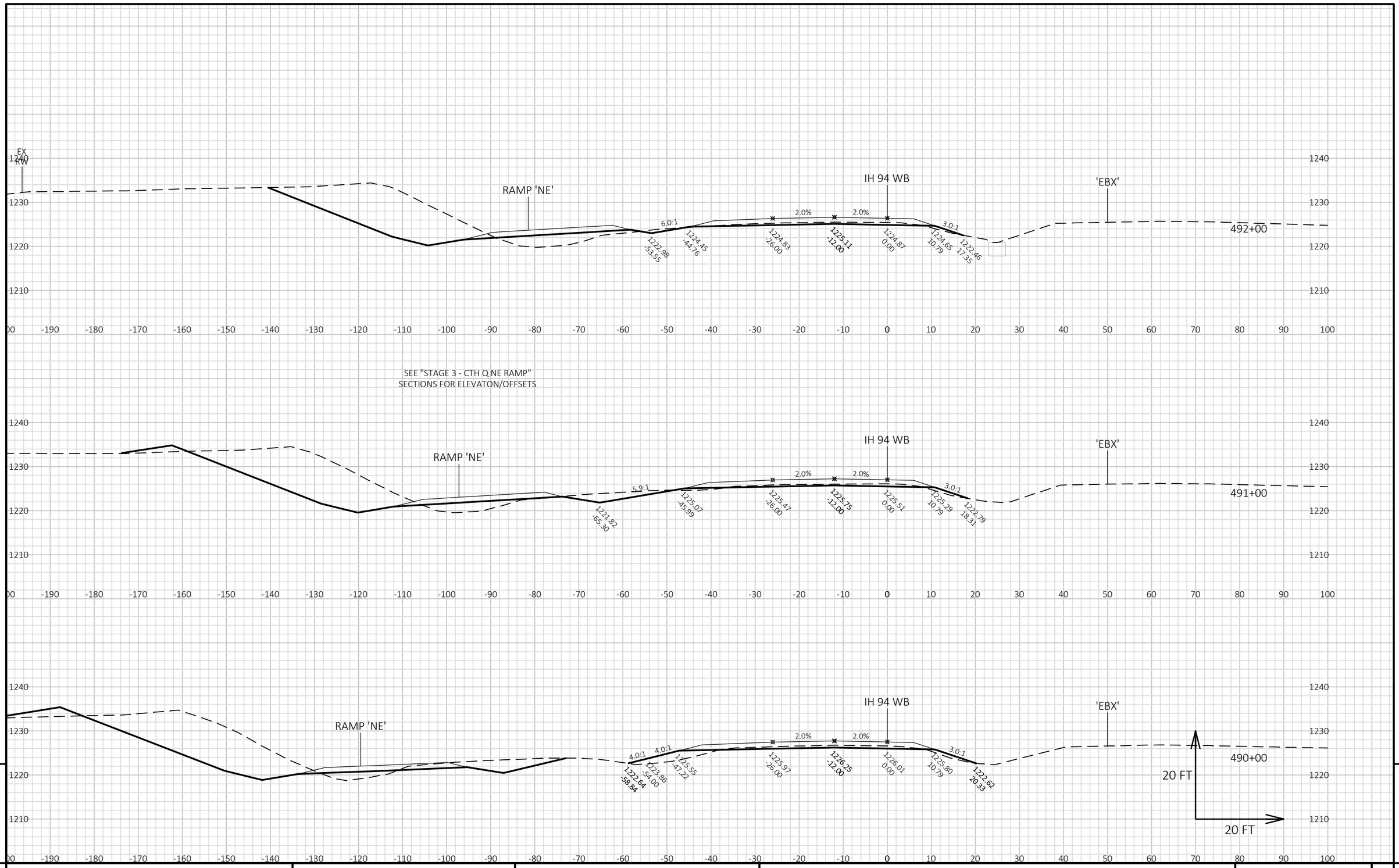
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1152 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090180_XS WB

PLOT DATE : 8/15/2018 9:05 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



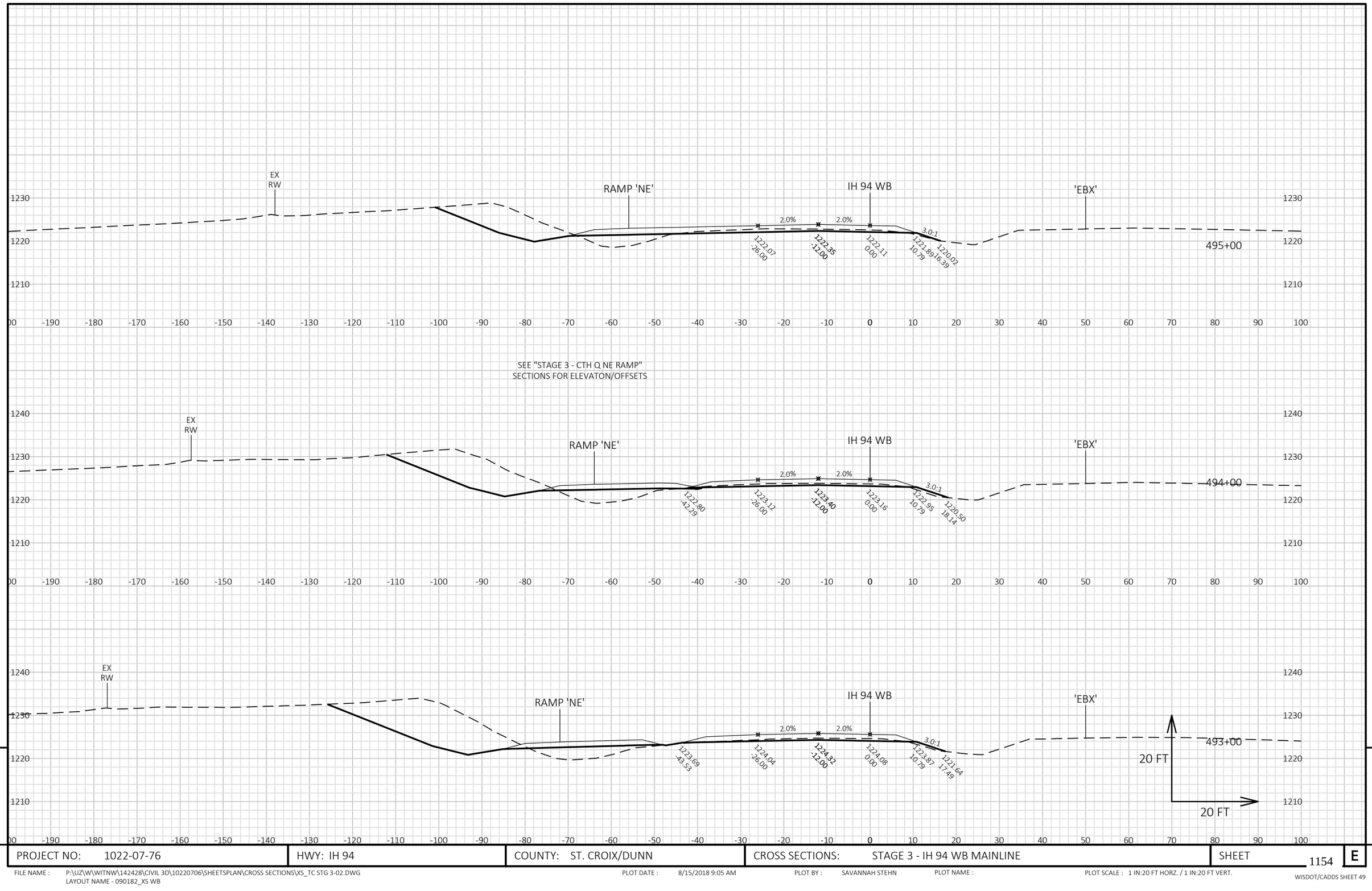
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1153	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090181_XS WB

PLOT DATE : 8/15/2018 9:05 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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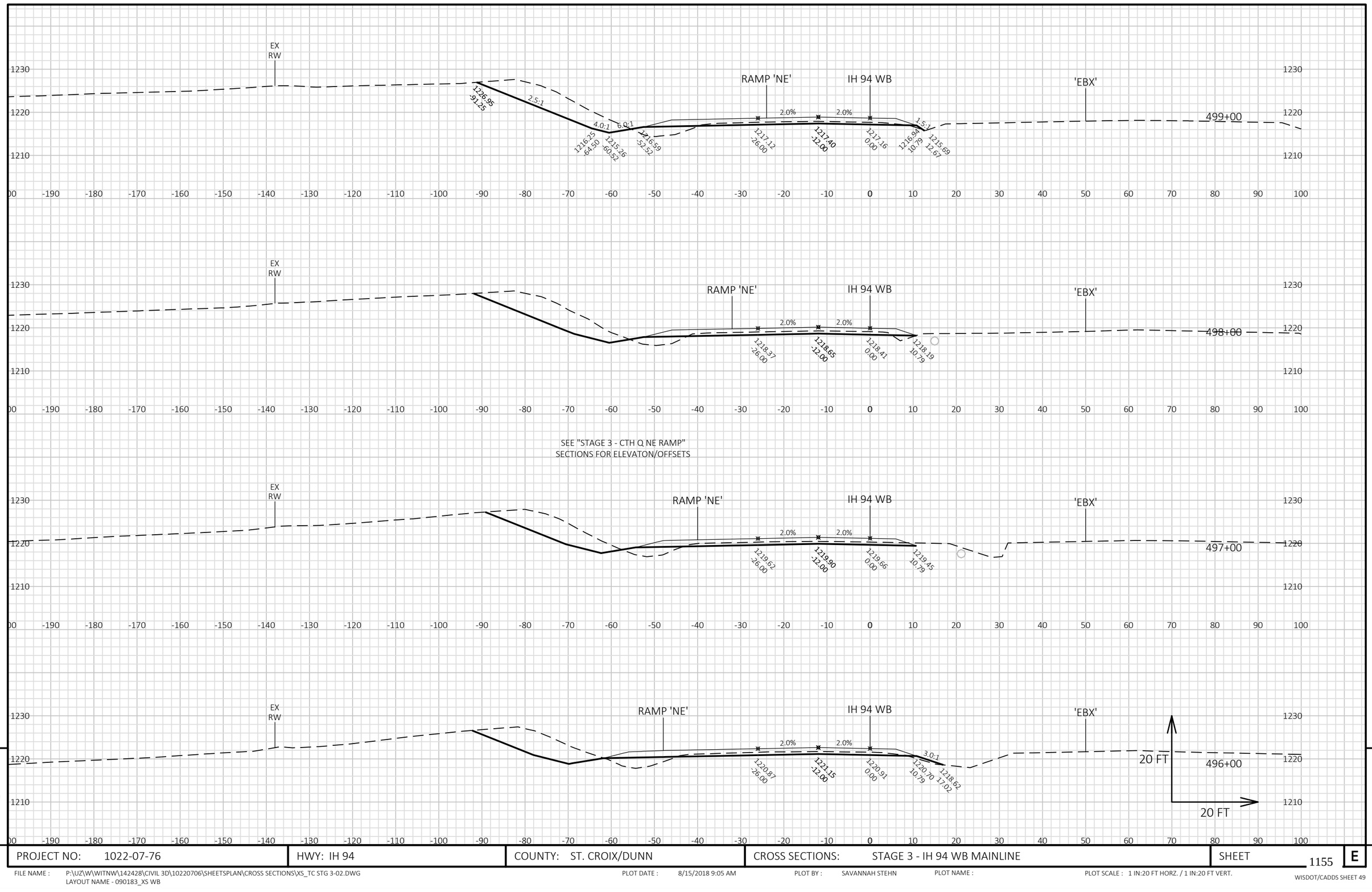
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1154 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090182_XS WB

PLOT DATE : 8/15/2018 9:05 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



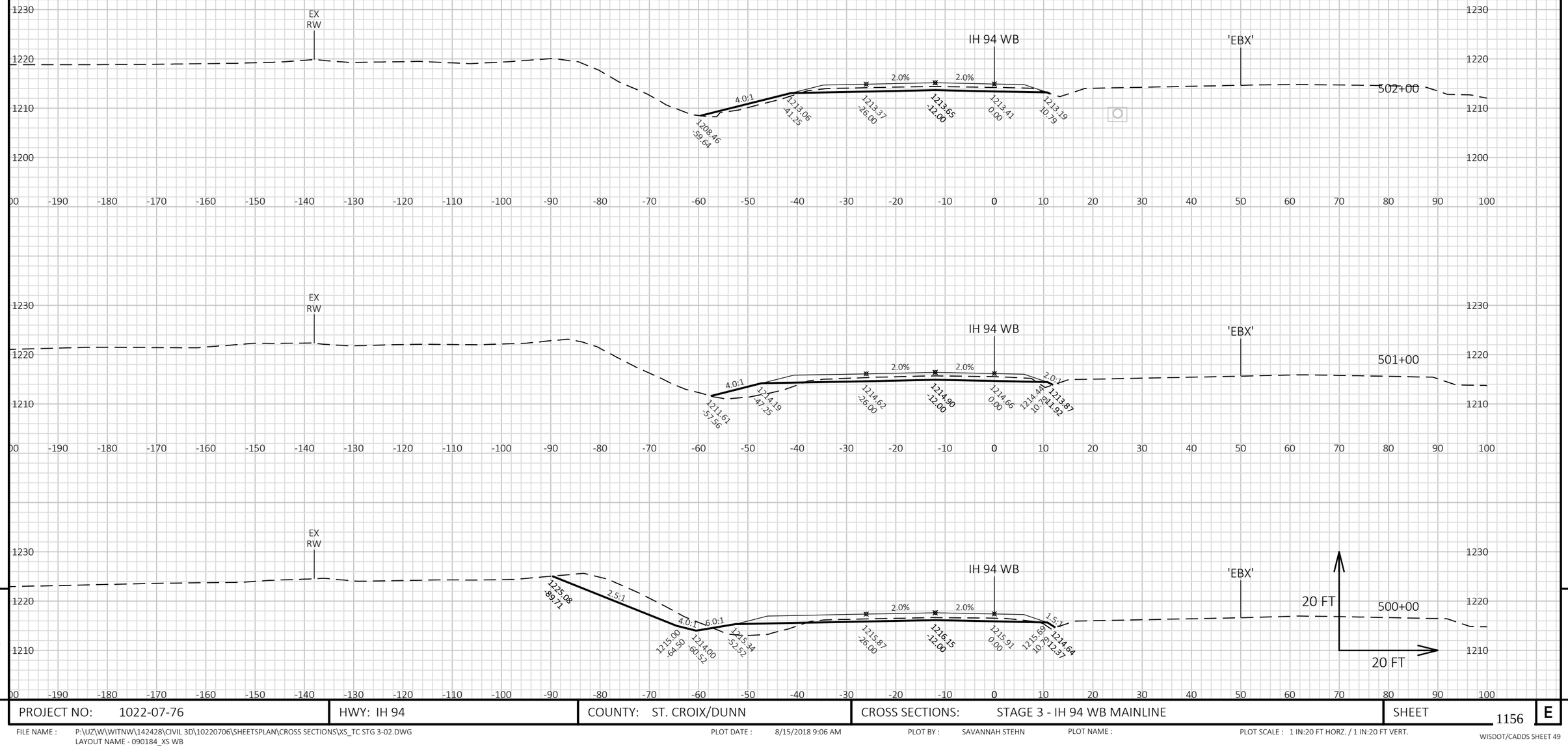
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1155 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090183_XS WB

PLOT DATE : 8/15/2018 9:05 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



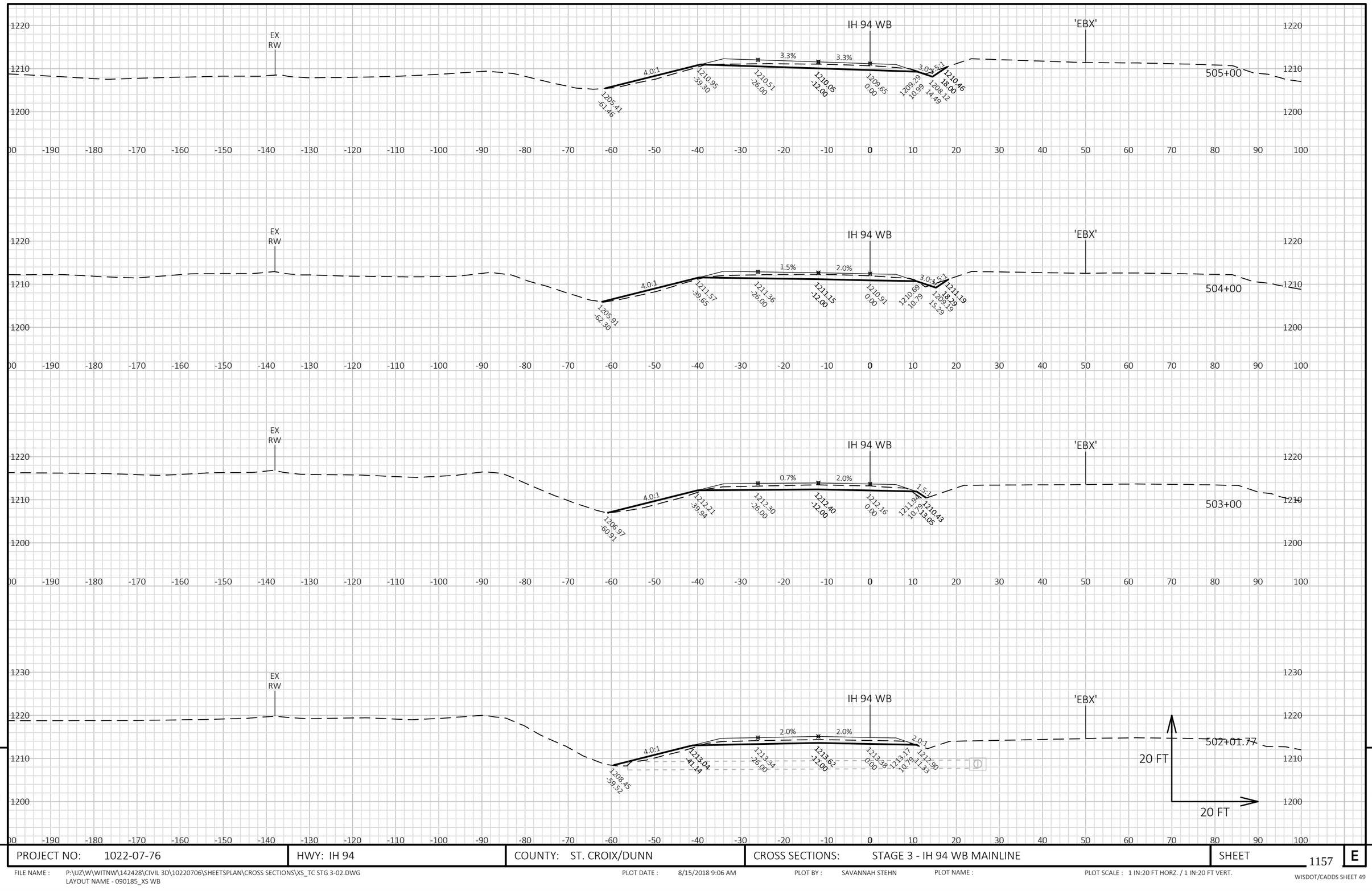
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1156	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090184_XS WB

PLOT DATE : 8/15/2018 9:06 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



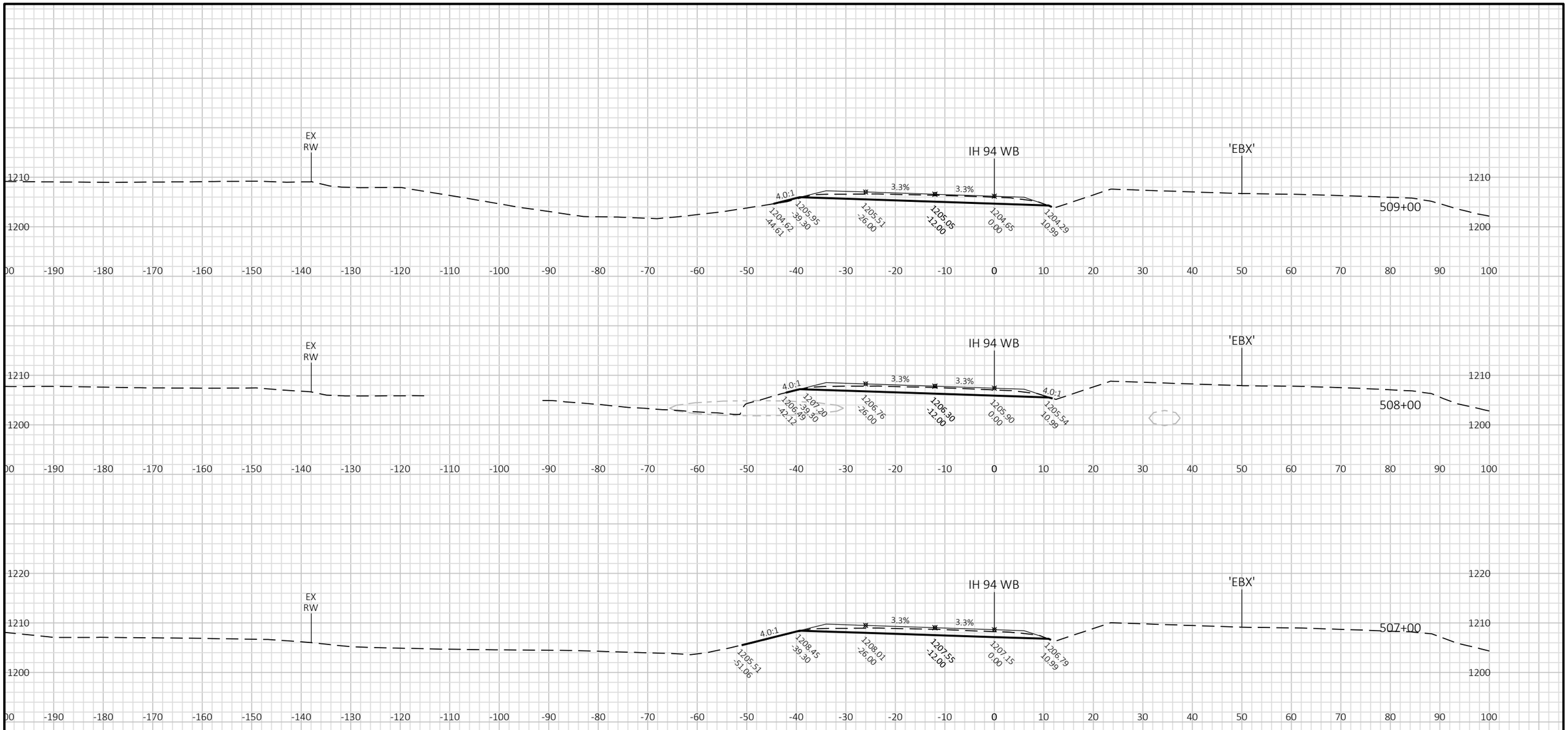
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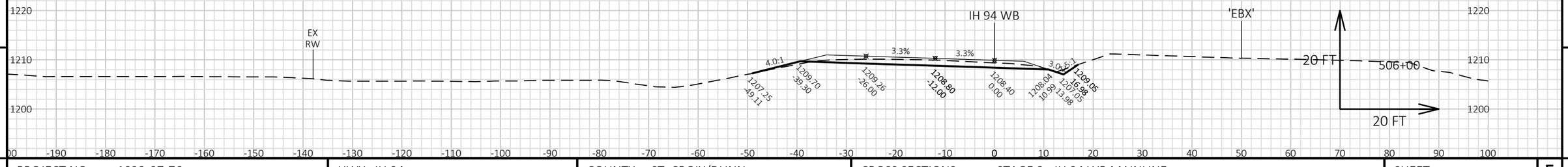
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1157	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090185_XS WB

PLOT DATE : 8/15/2018 9:06 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





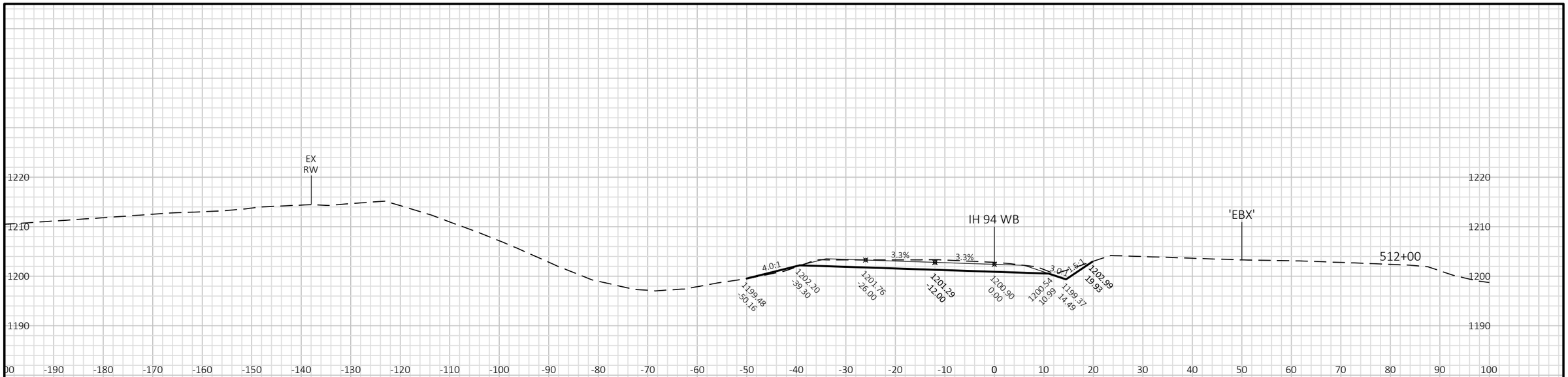
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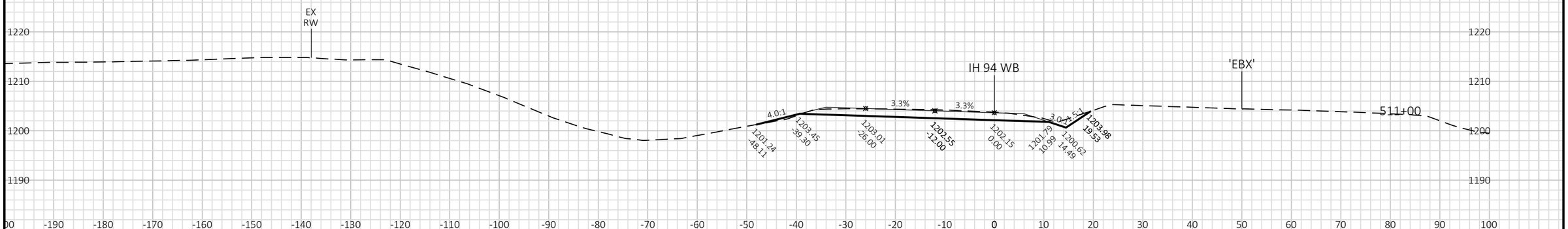
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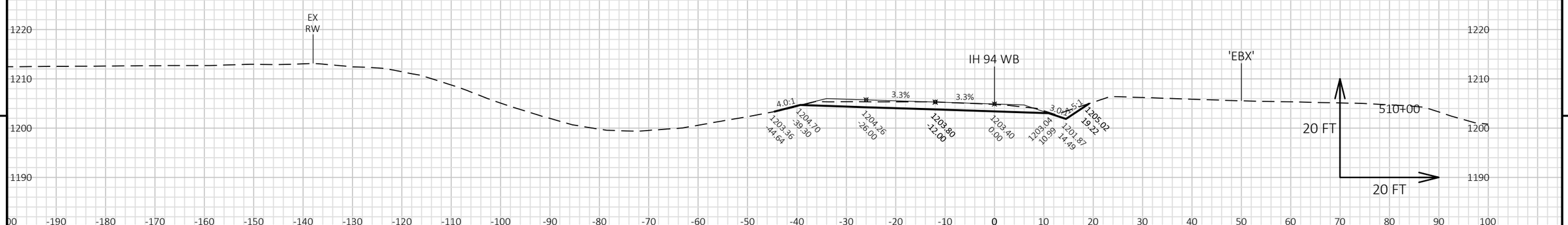
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1158	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090186_XS WB

PLOT DATE : 8/15/2018 9:06 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.







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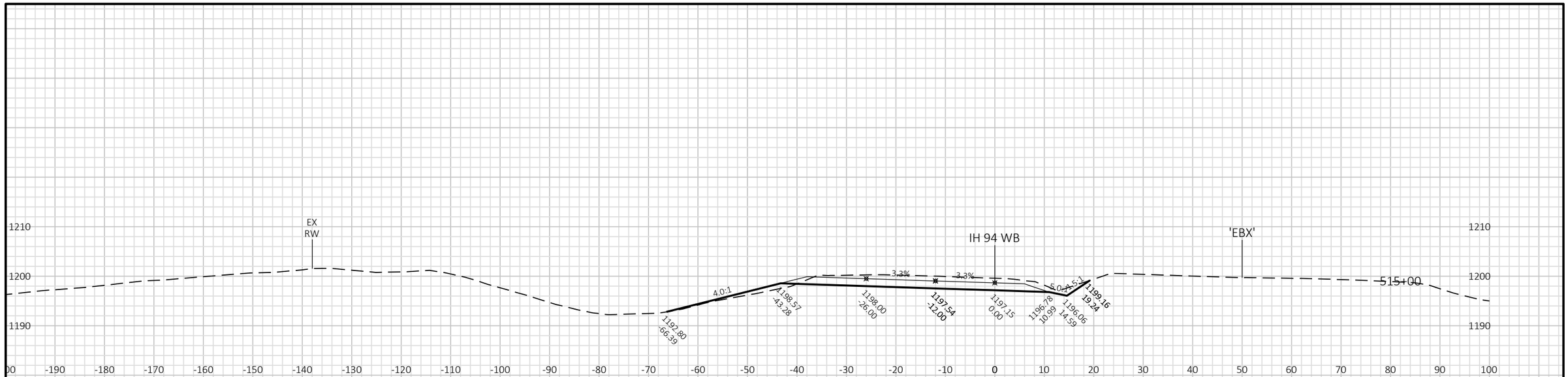
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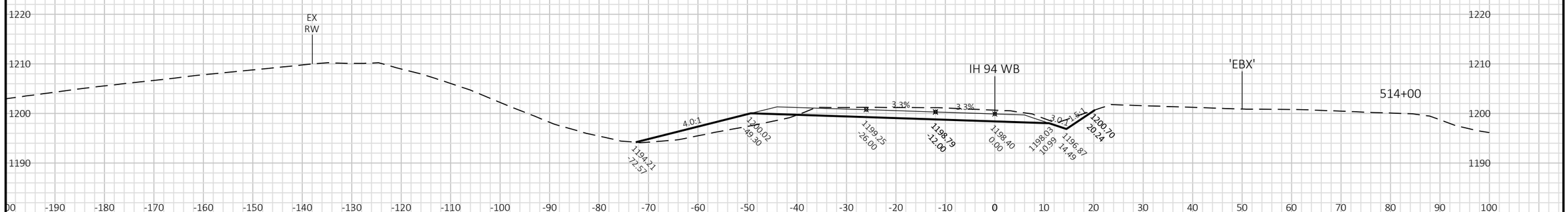
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1159	E

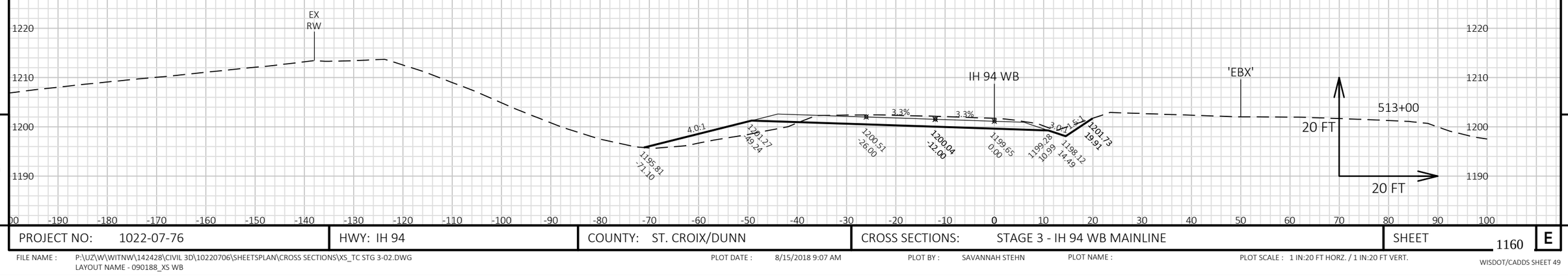
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LAYOUT NAME - 090187_XS WB

PLOT DATE : 8/15/2018 9:06 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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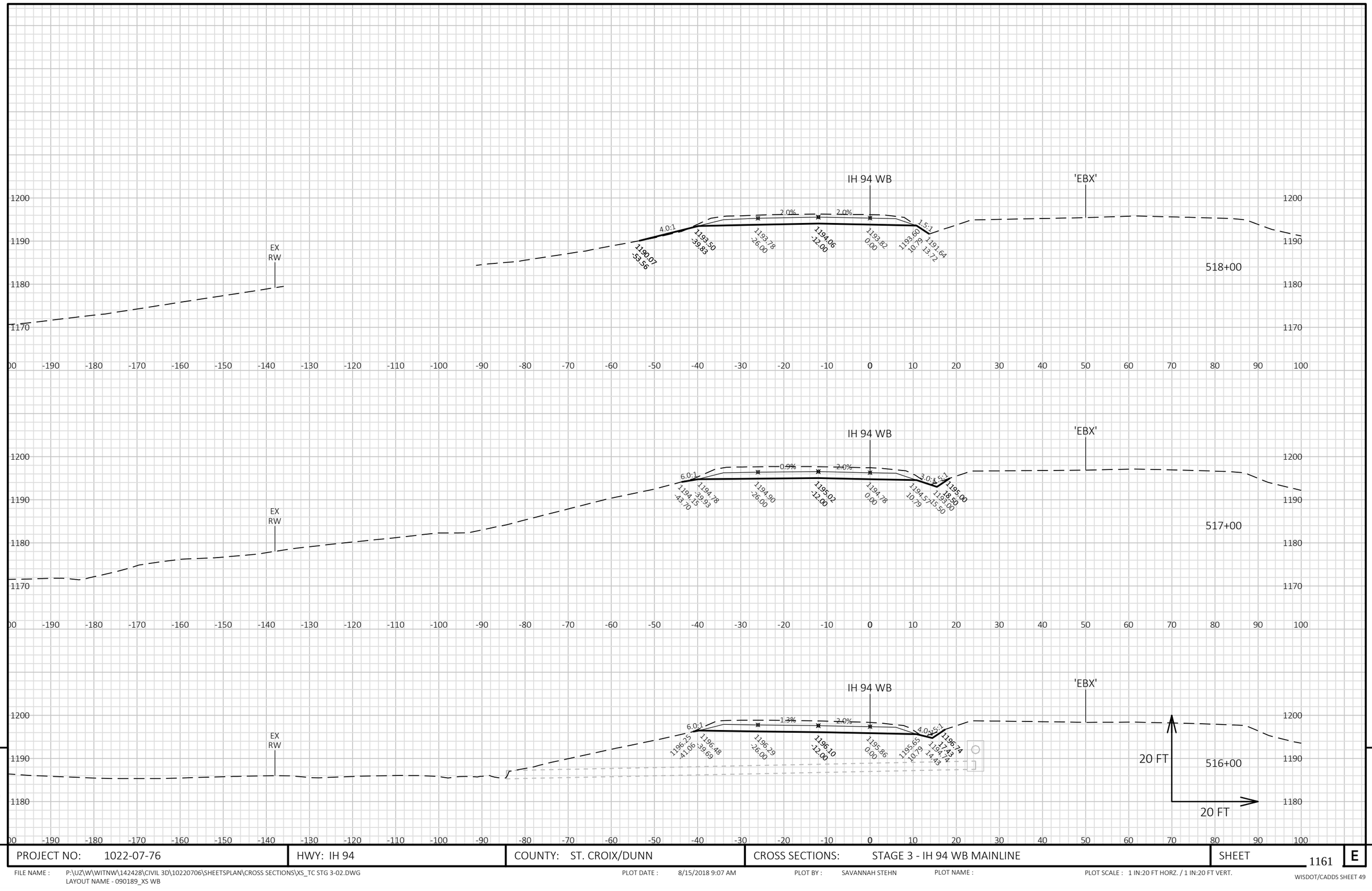
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1160	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090188_XS WB

PLOT DATE : 8/15/2018 9:07 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

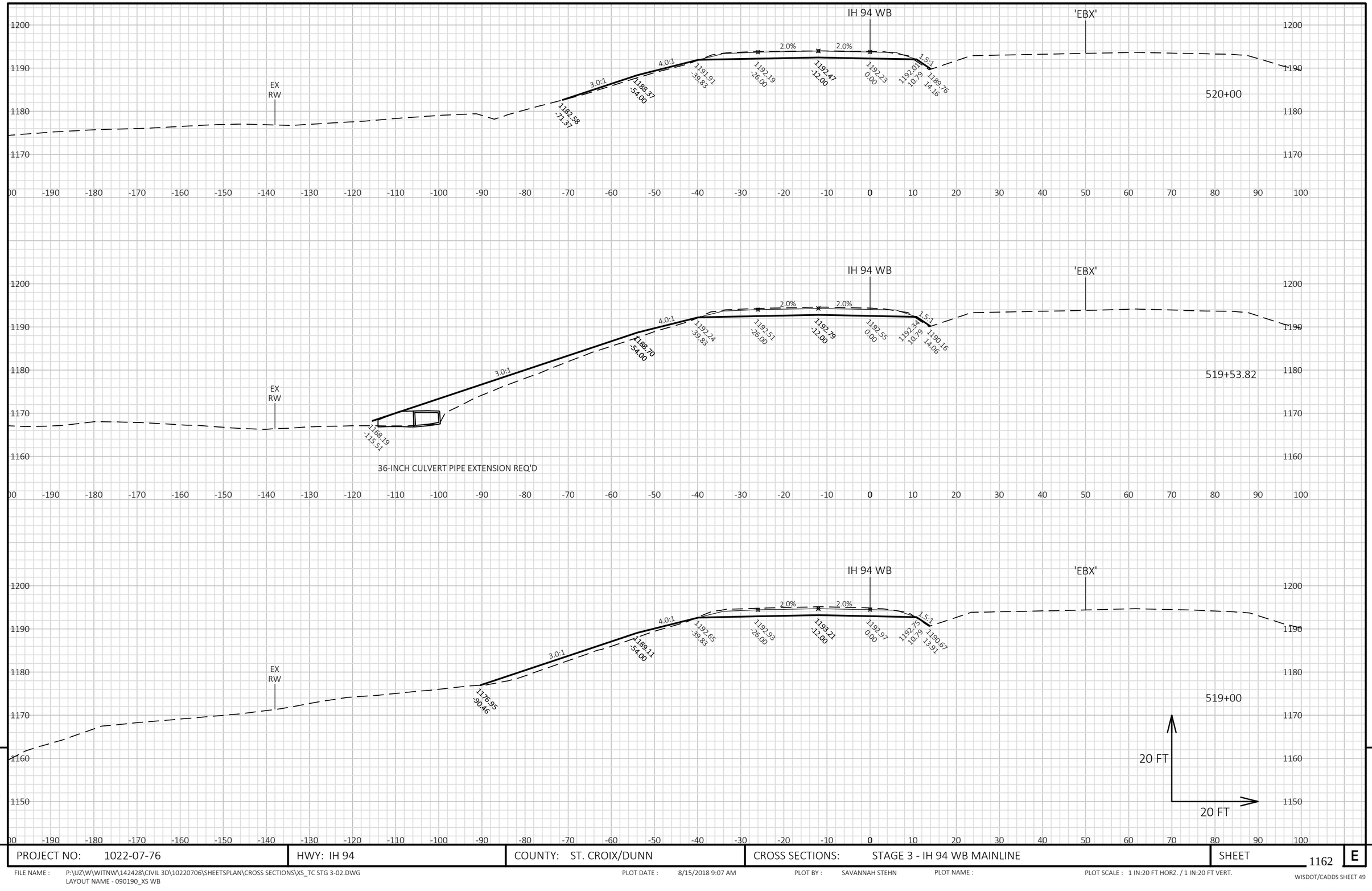


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1161 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090189_XS WB

PLOT DATE : 8/15/2018 9:07 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



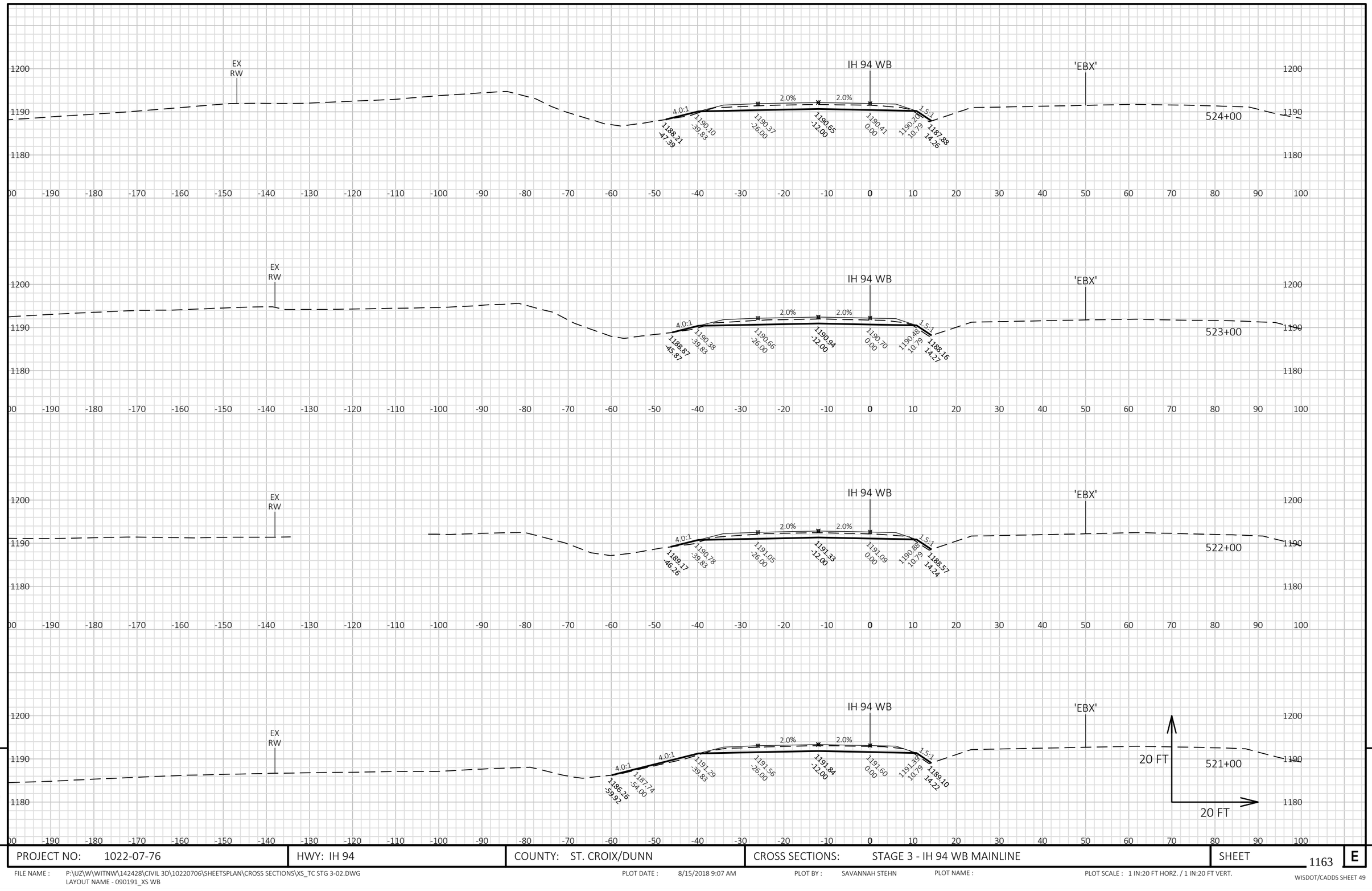
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1162 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090190_XS WB

PLOT DATE : 8/15/2018 9:07 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



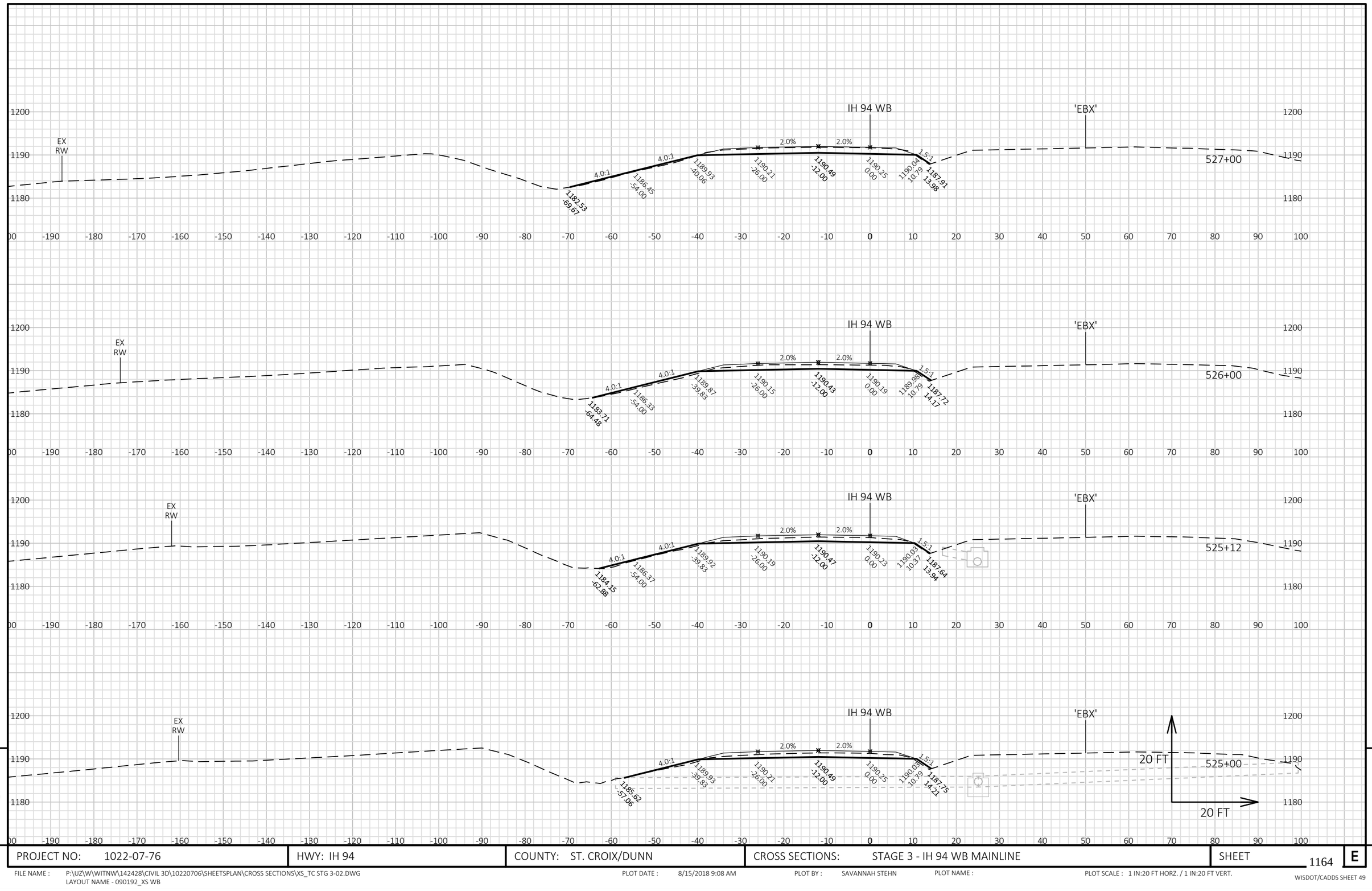
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1163 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090191_XS WB

PLOT DATE : 8/15/2018 9:07 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



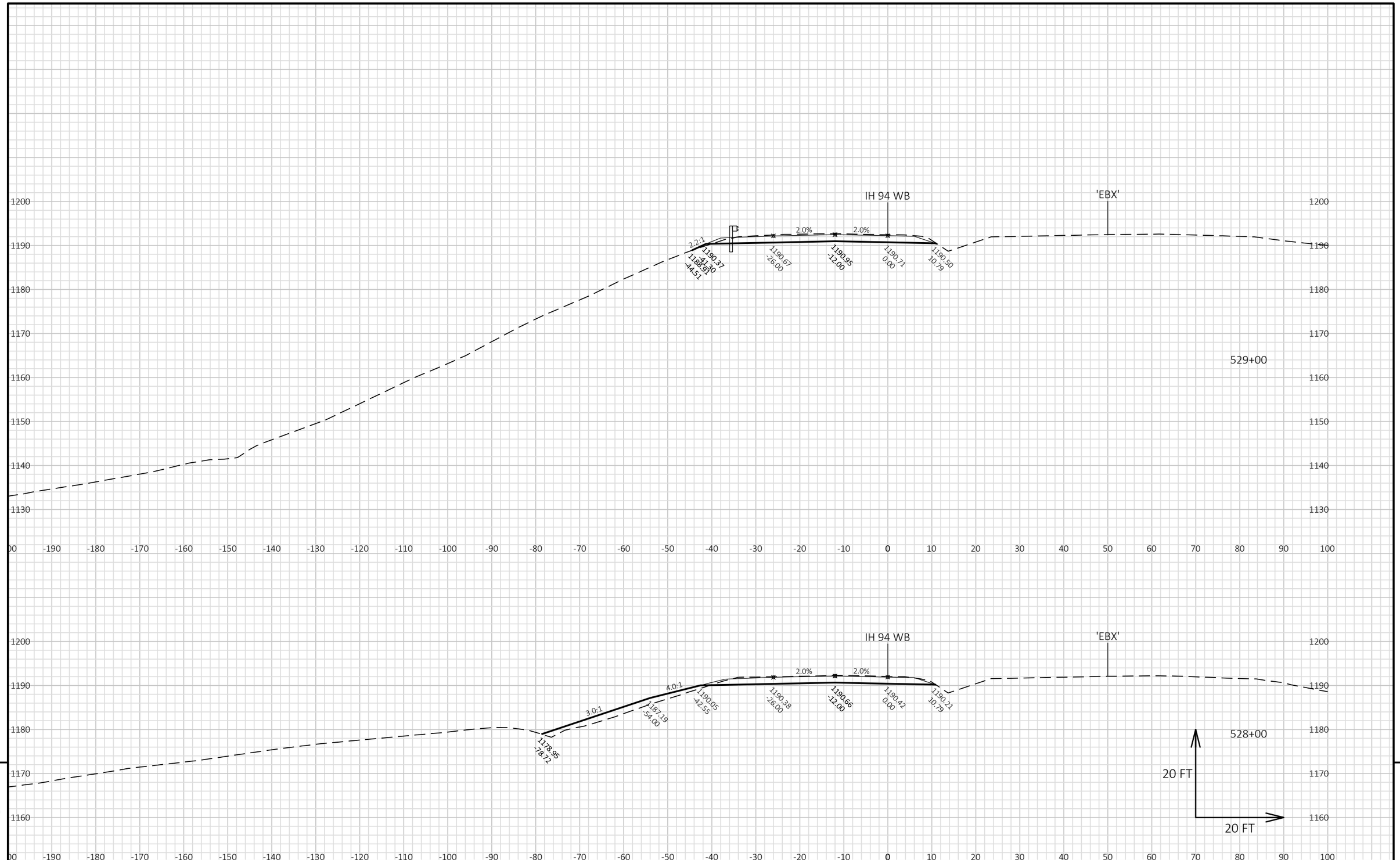
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1164	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090192_XS WB

PLOT DATE : 8/15/2018 9:08 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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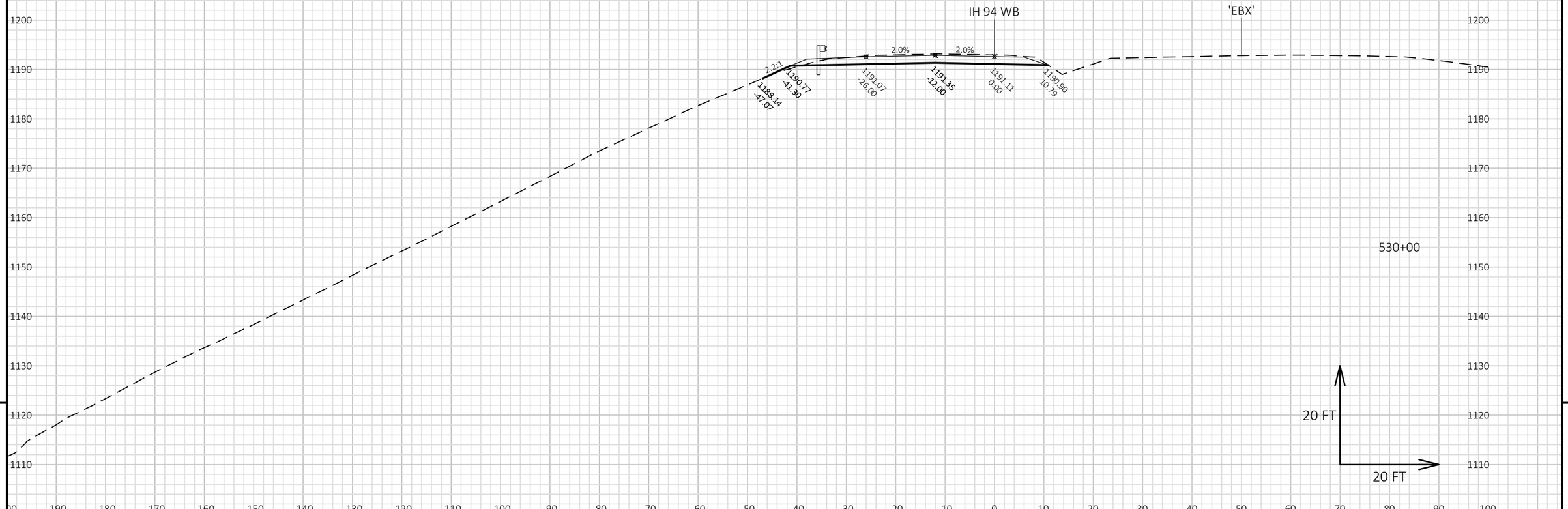
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1165 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090193_XS WB

PLOT DATE : 8/15/2018 9:08 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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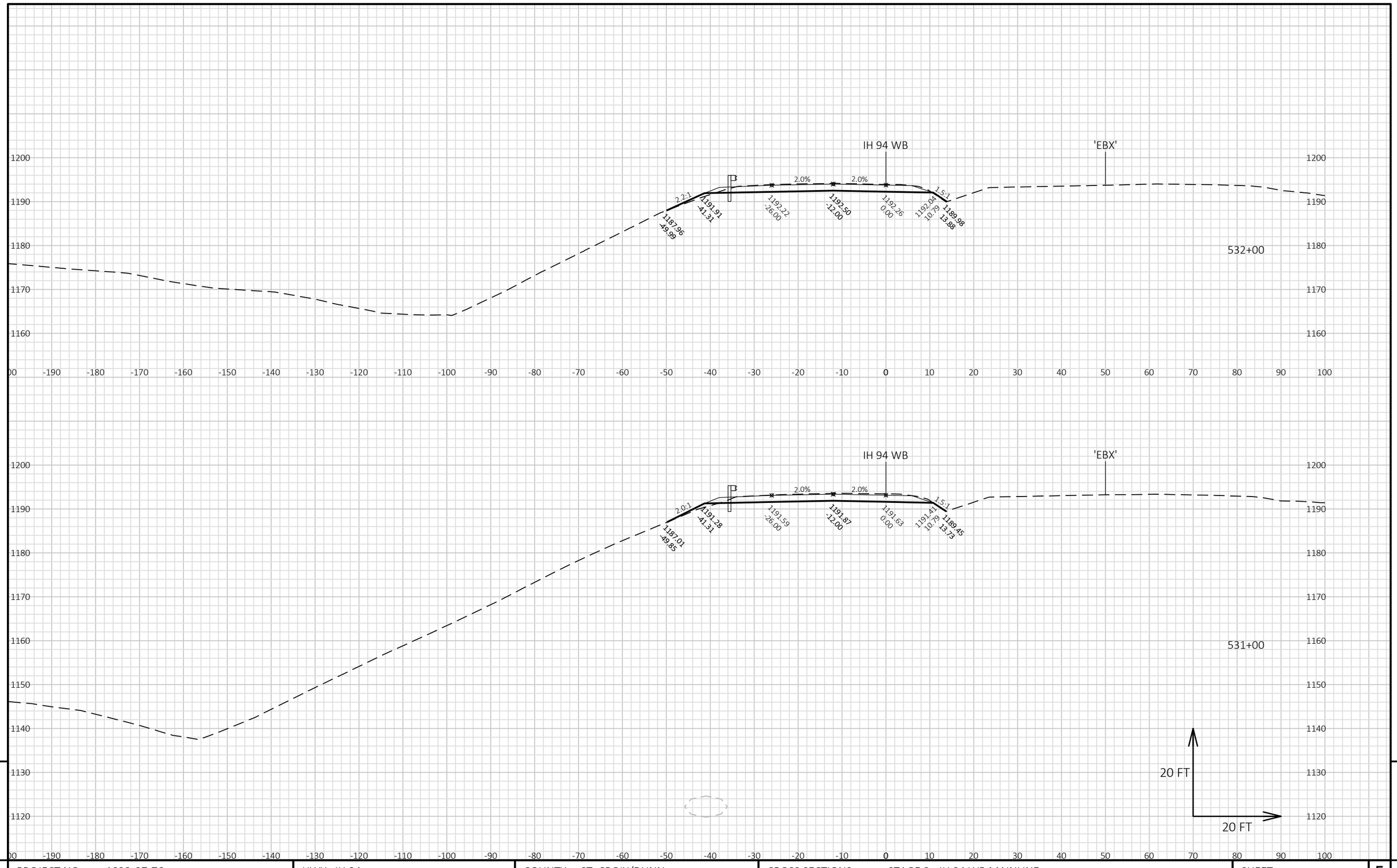
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1166 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090194_XS WB

PLOT DATE : 8/15/2018 9:08 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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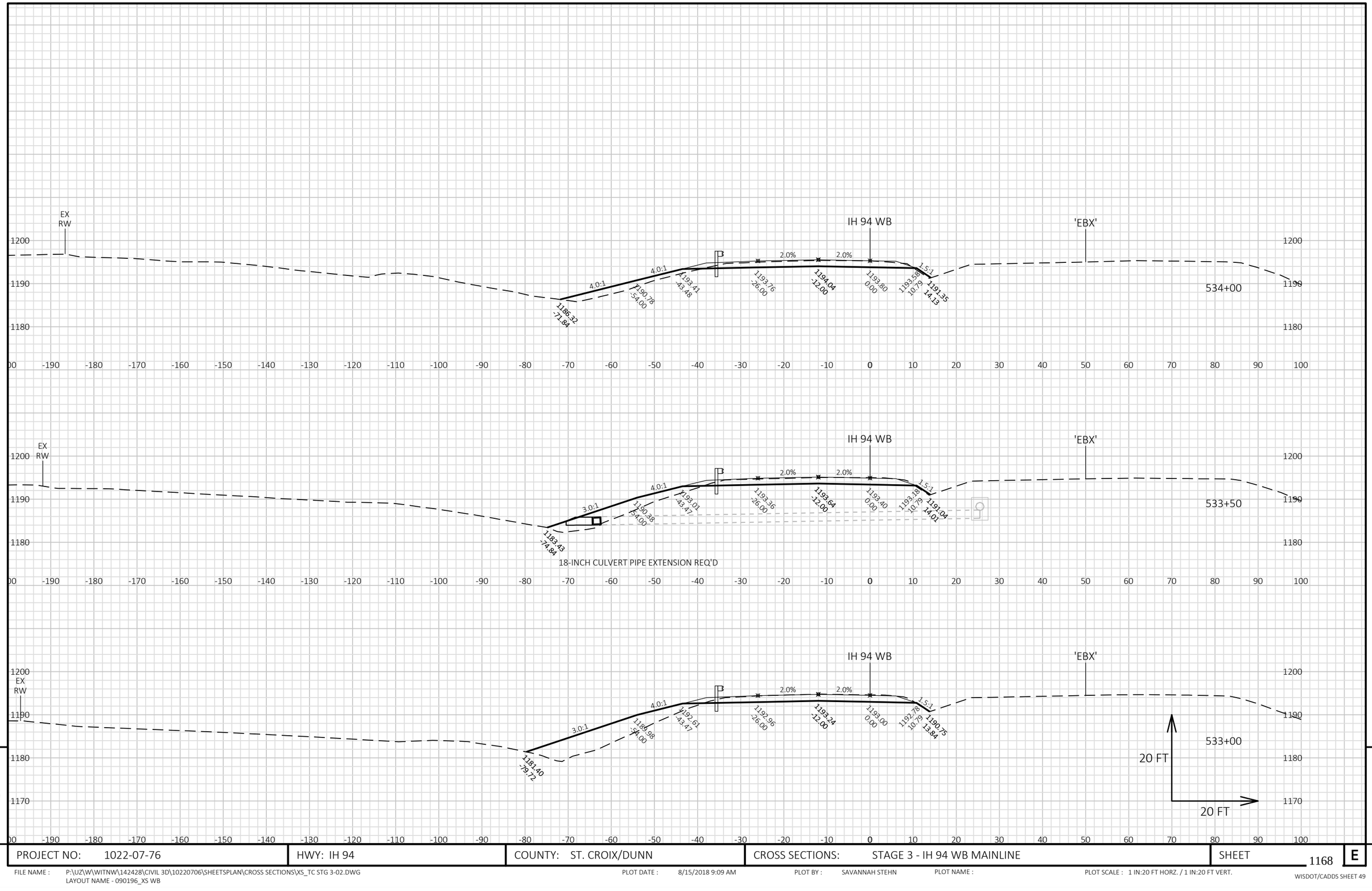
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1167	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090195_XS WB

PLOT DATE : 8/15/2018 9:08 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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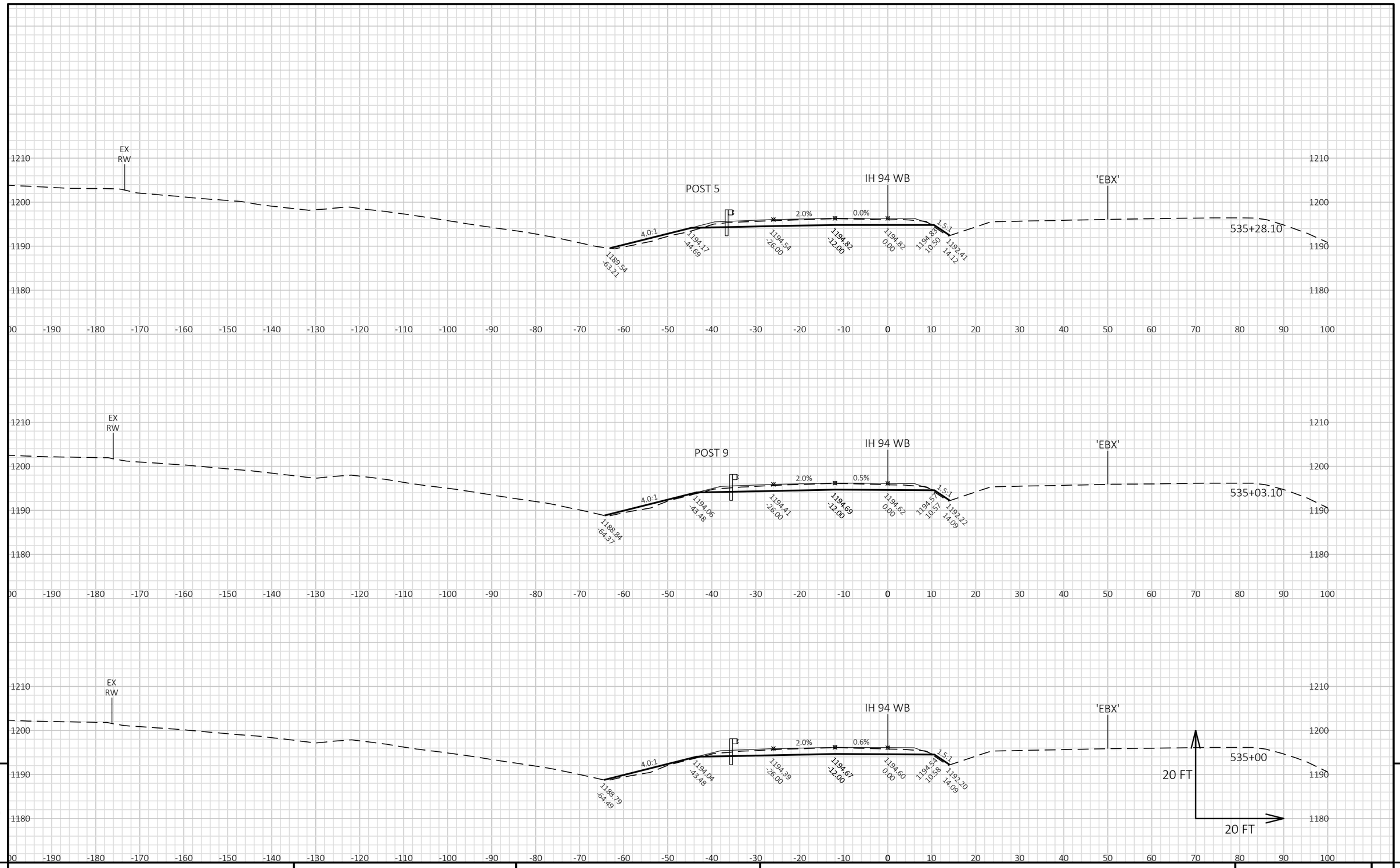
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1168	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090196_XS WB

PLOT DATE : 8/15/2018 9:09 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



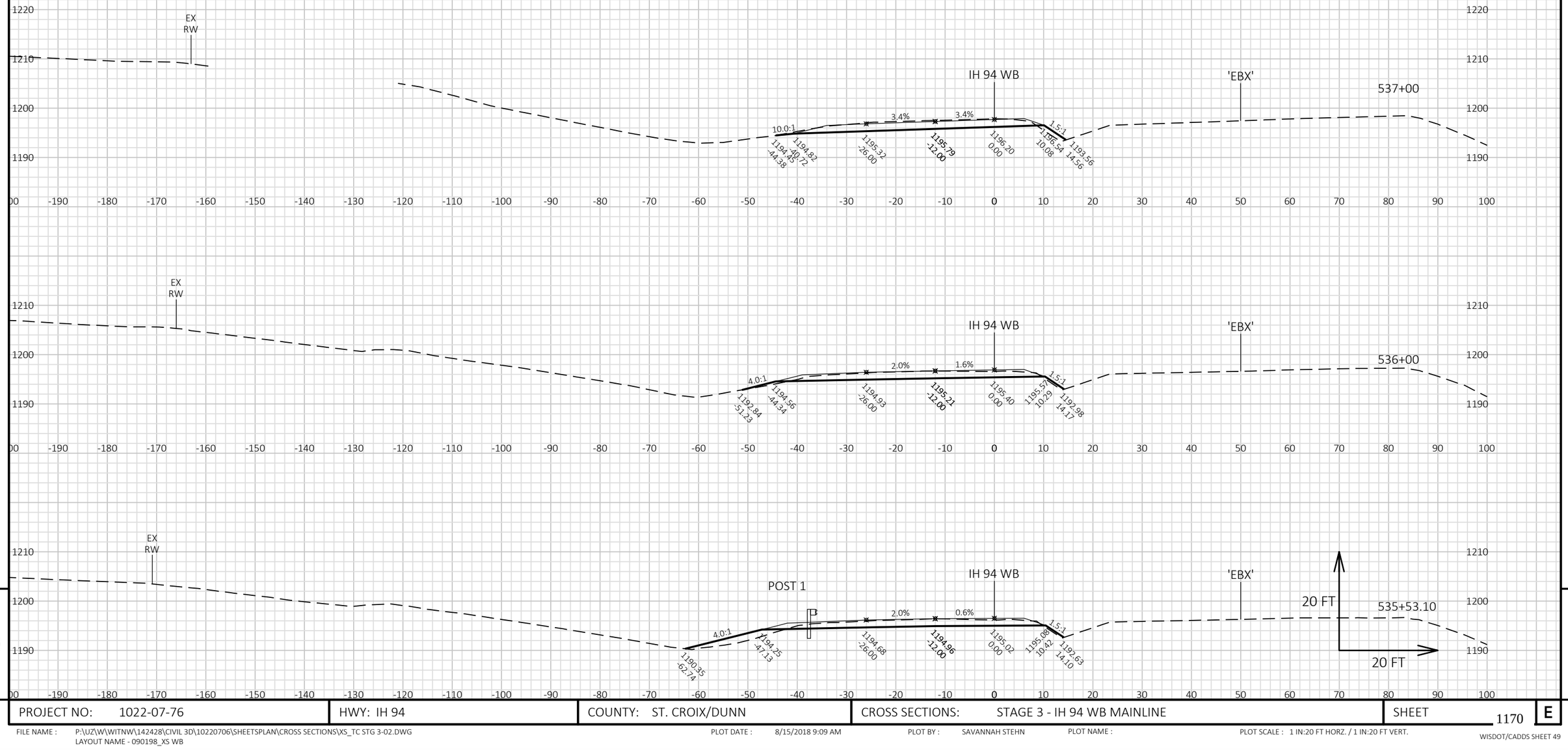
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1169	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090197_XS WB

PLOT DATE : 8/15/2018 9:09 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



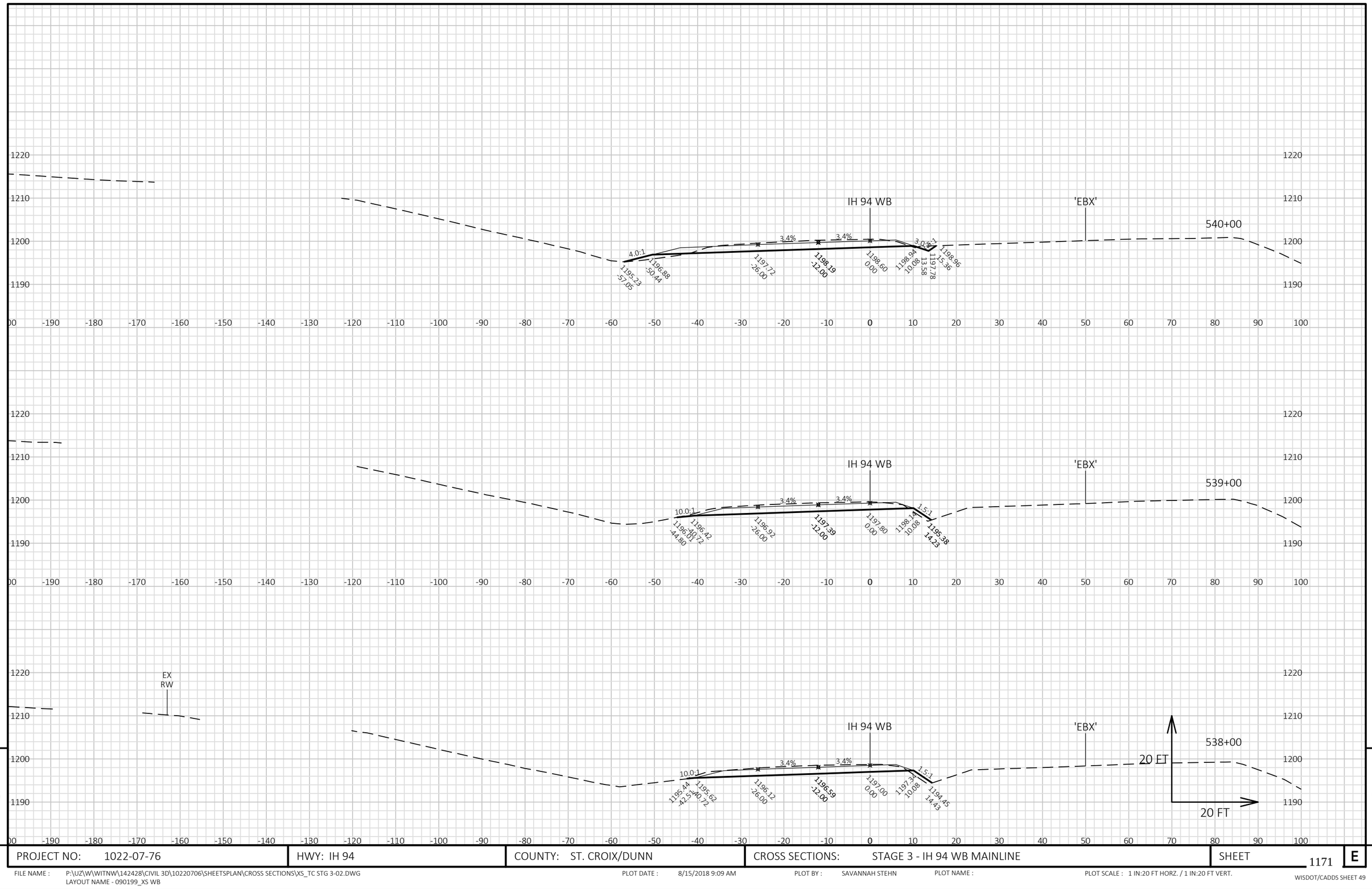
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1170	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090198_XS WB

PLOT DATE : 8/15/2018 9:09 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1171	E

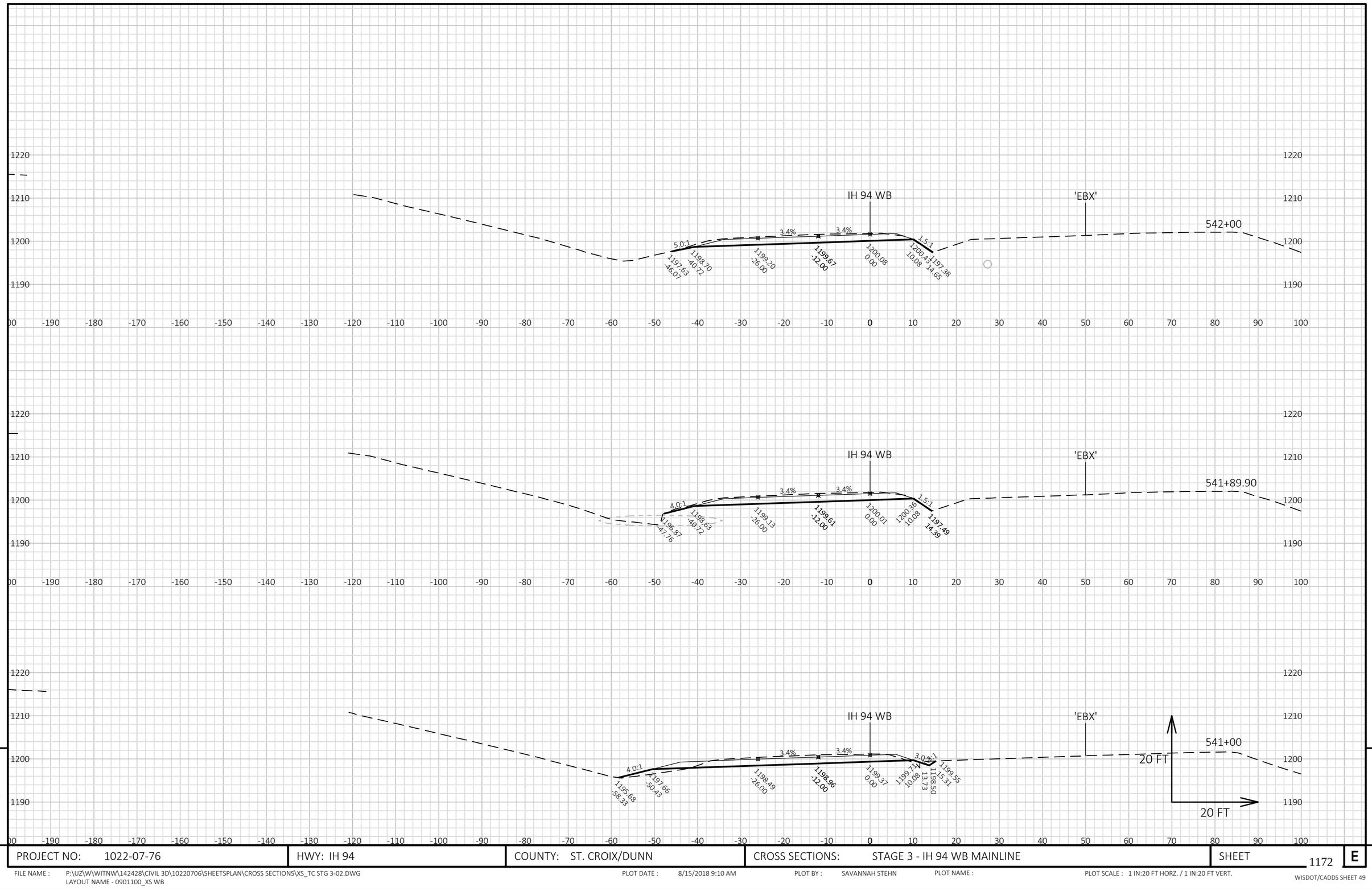
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LAYOUT NAME - 090199_XS WB

PLOT DATE : 8/15/2018 9:09 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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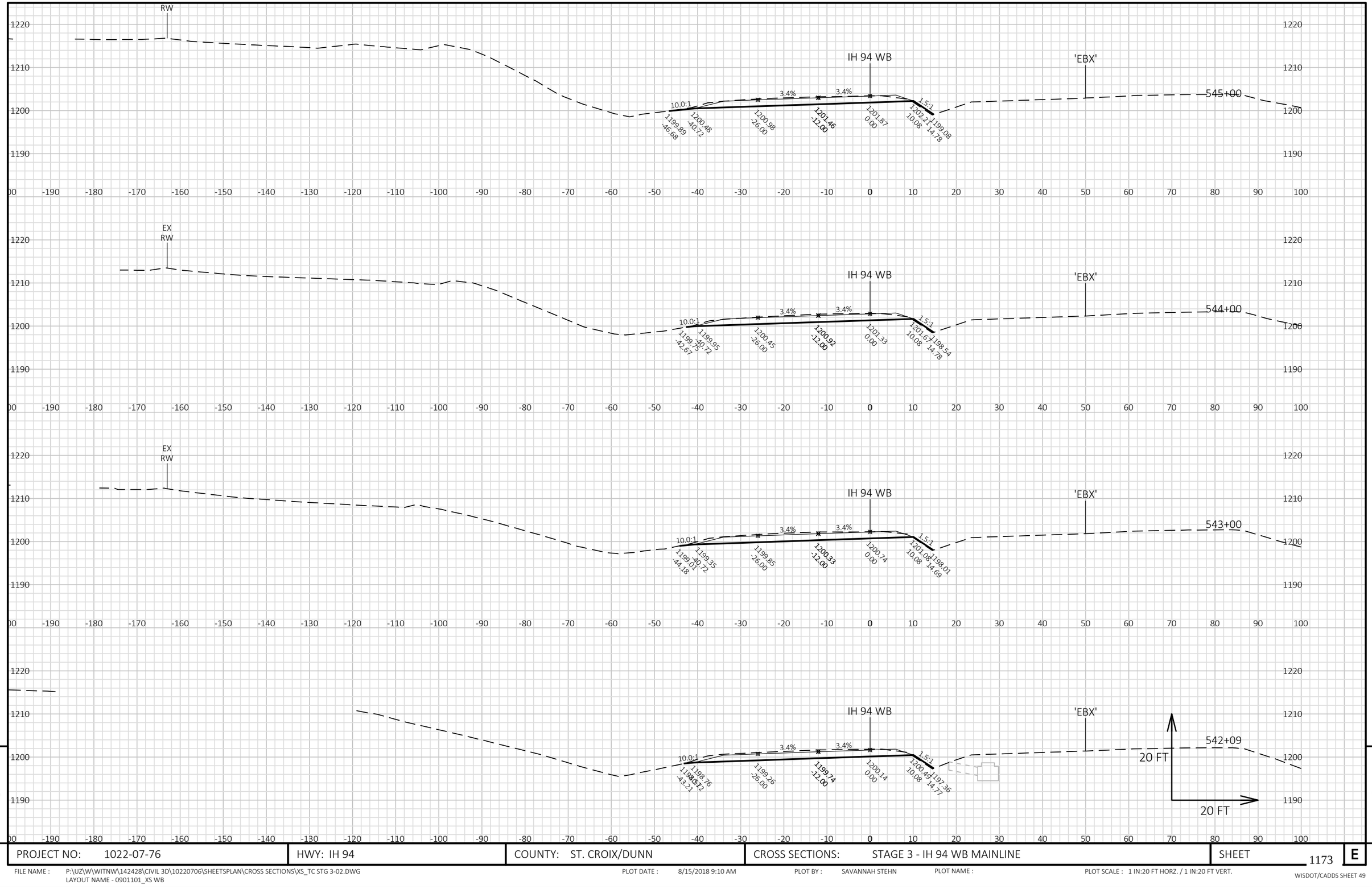
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1172 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 0901100_XS WB

PLOT DATE : 8/15/2018 9:10 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



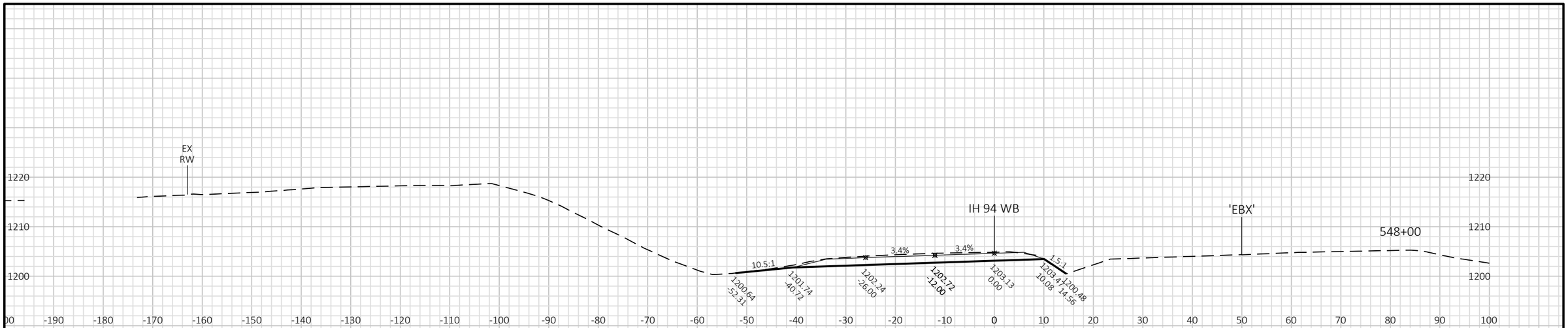
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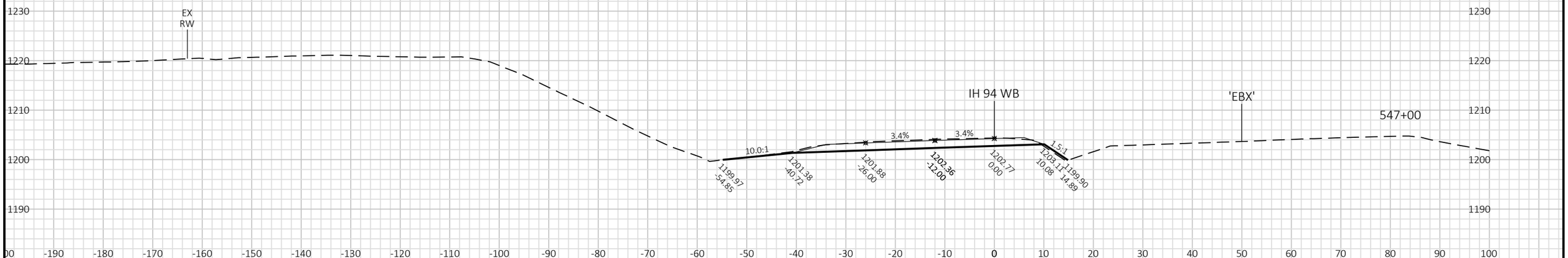
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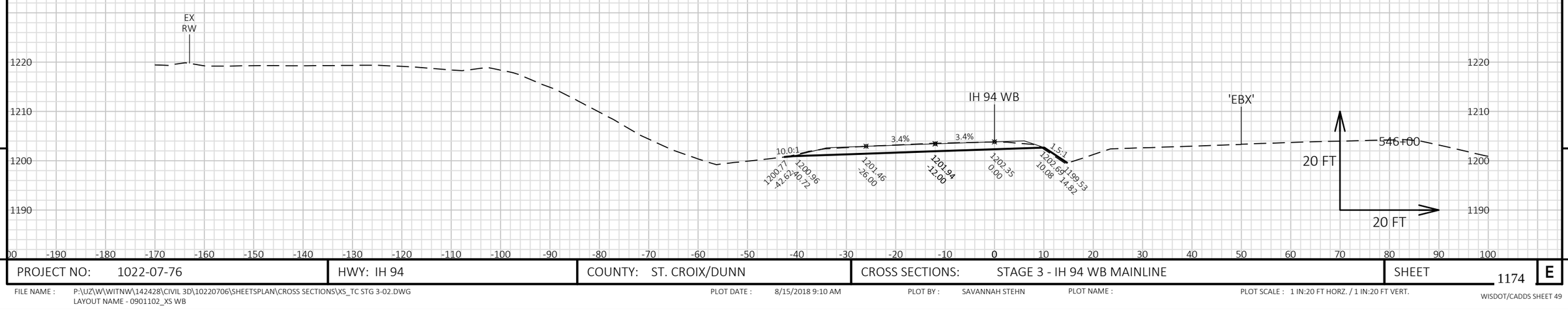
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1173	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 0901101_XS WB

PLOT DATE : 8/15/2018 9:10 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.







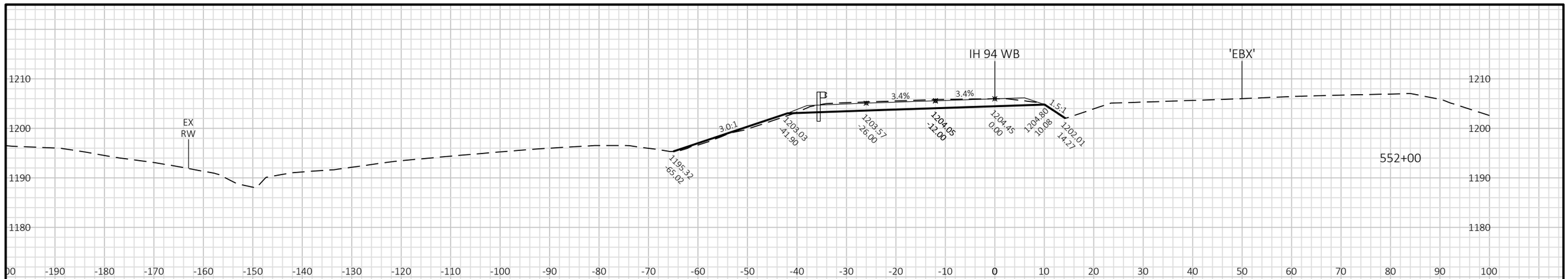
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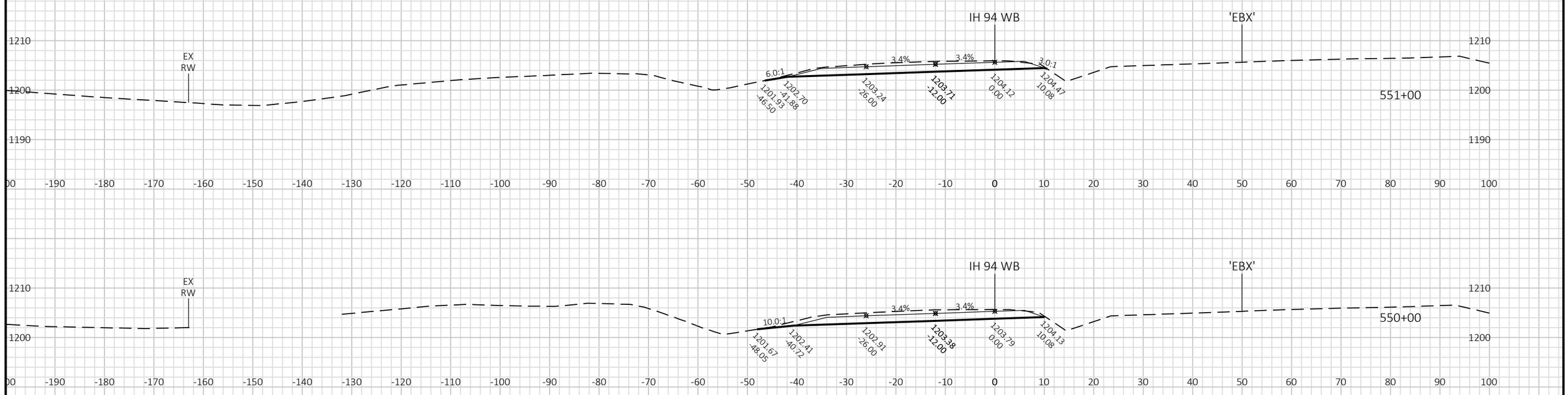
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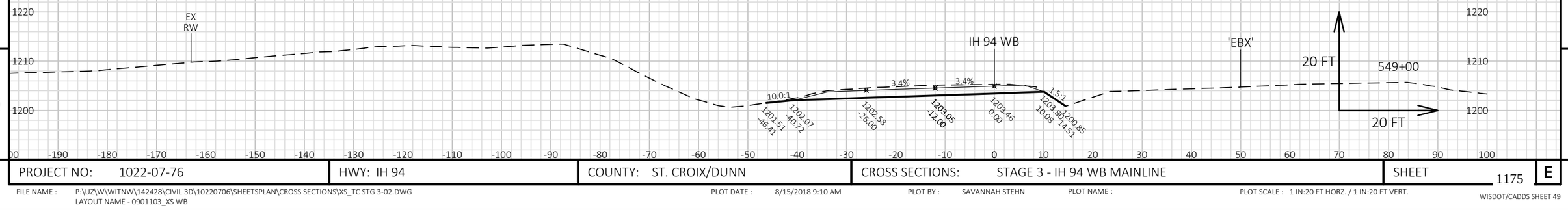
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1174	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 0901102_XS WB

PLOT DATE : 8/15/2018 9:10 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.







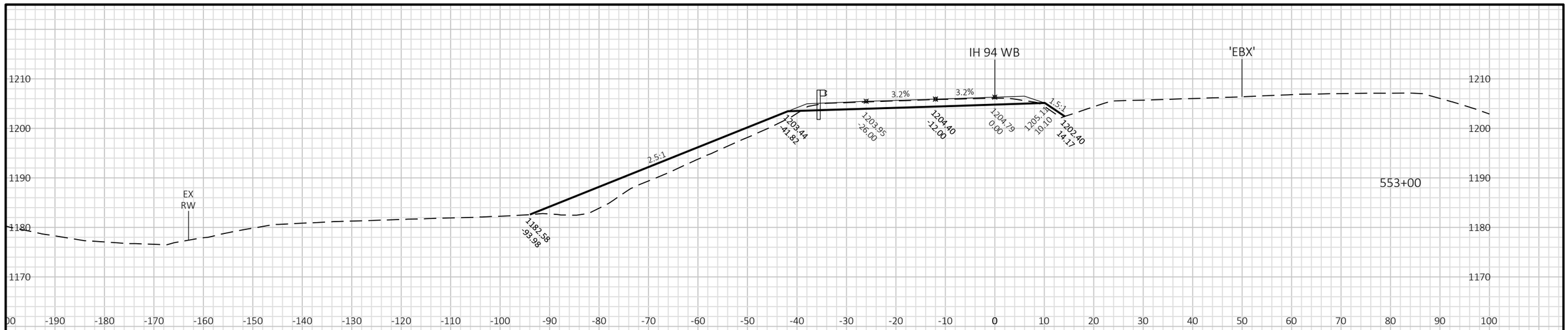
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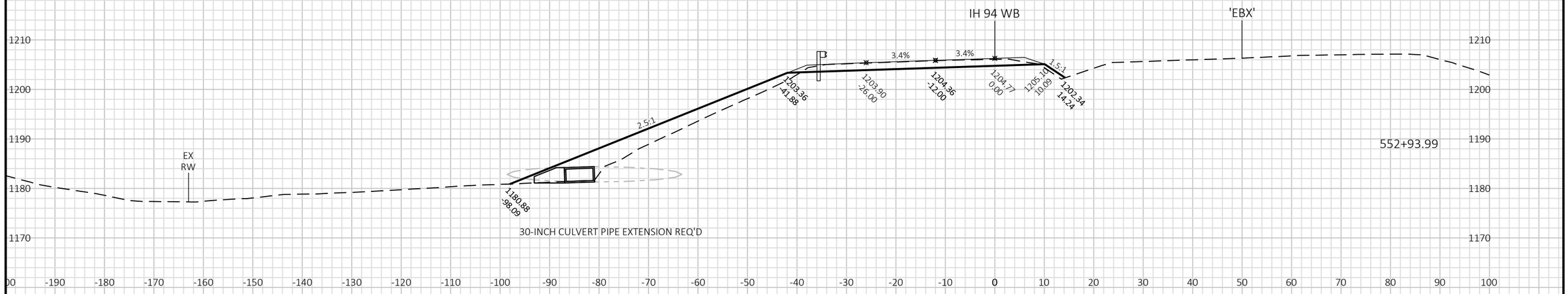
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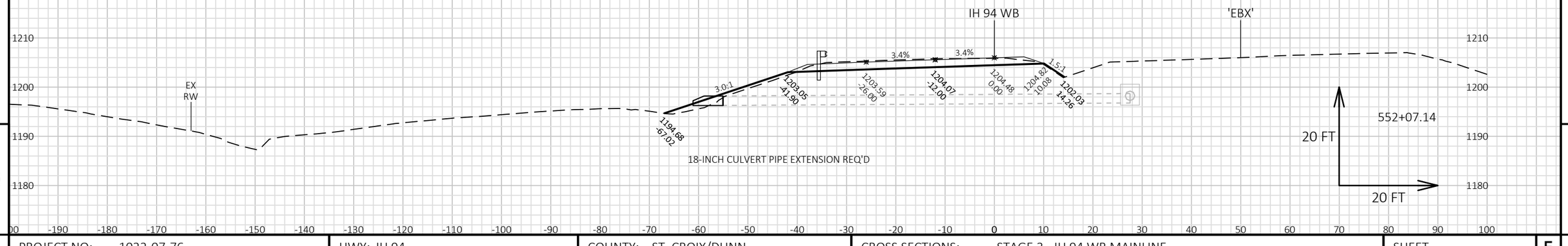
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1175	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 0901103_XS WB

PLOT DATE : 8/15/2018 9:10 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.







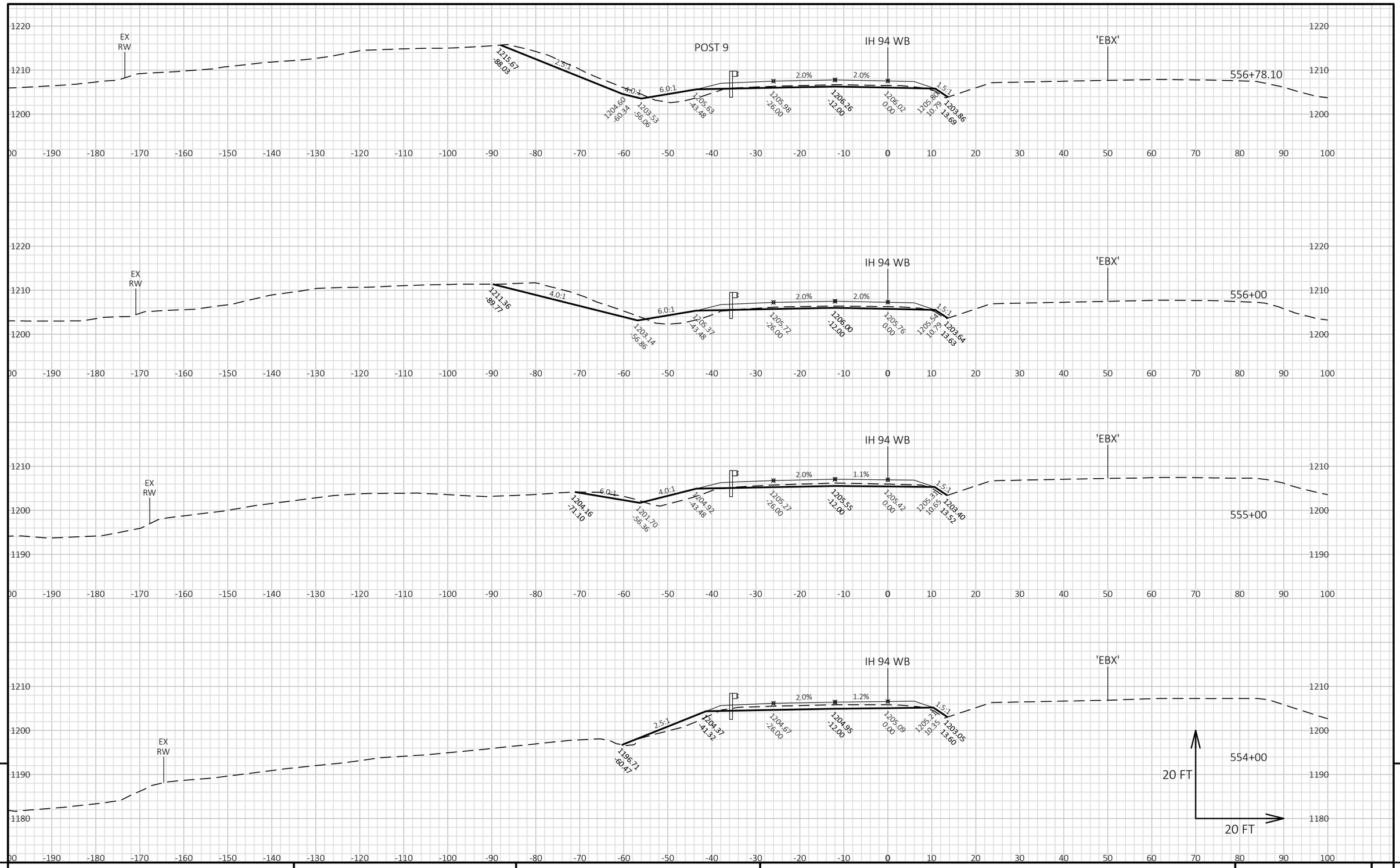
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1176	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 0901104_XS WB

PLOT DATE : 8/15/2018 9:11 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



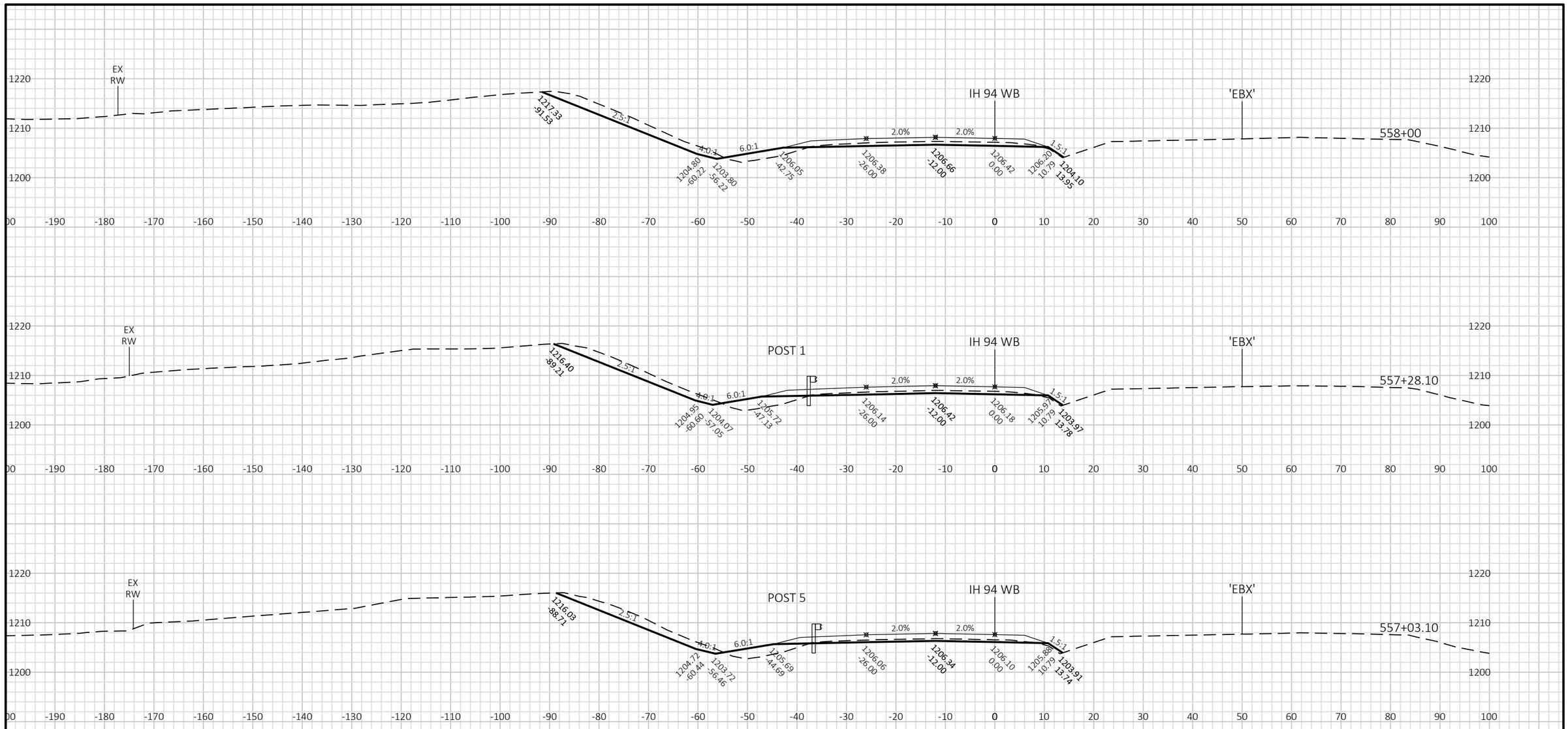
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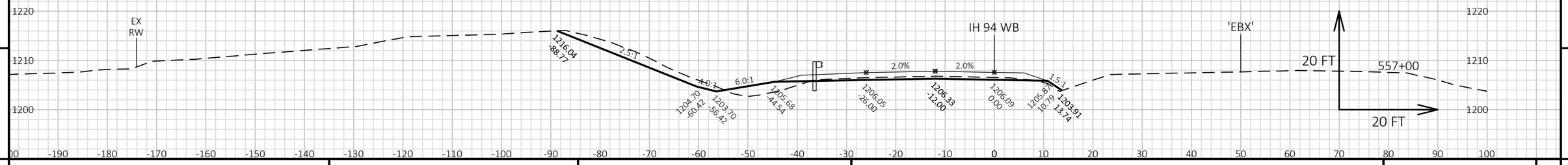
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1177	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 0901105_XS WB

PLOT DATE : 8/15/2018 9:11 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





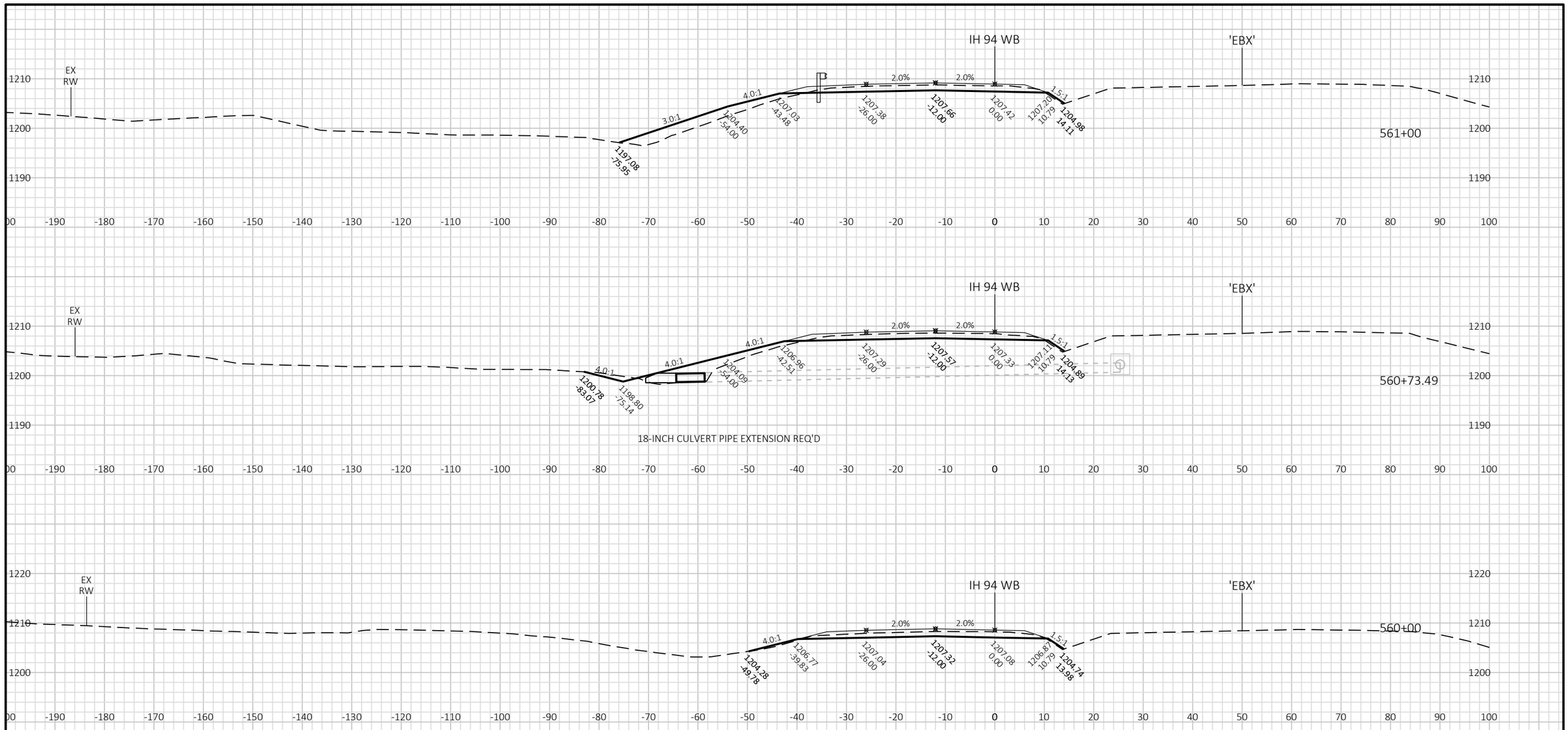
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1178	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 0901106_XS WB

PLOT DATE : 8/15/2018 9:11 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



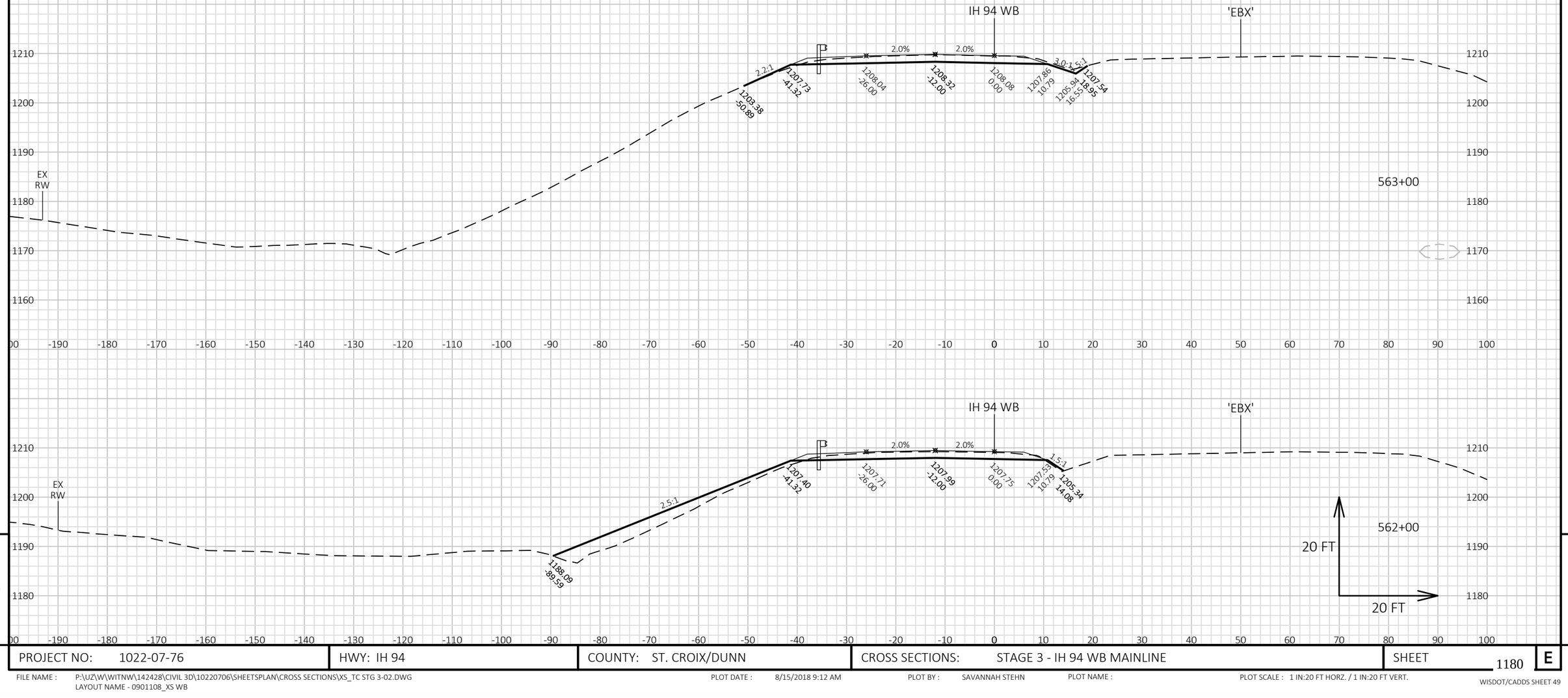
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1179 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 0901107_XS WB

PLOT DATE : 8/15/2018 9:11 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9 9



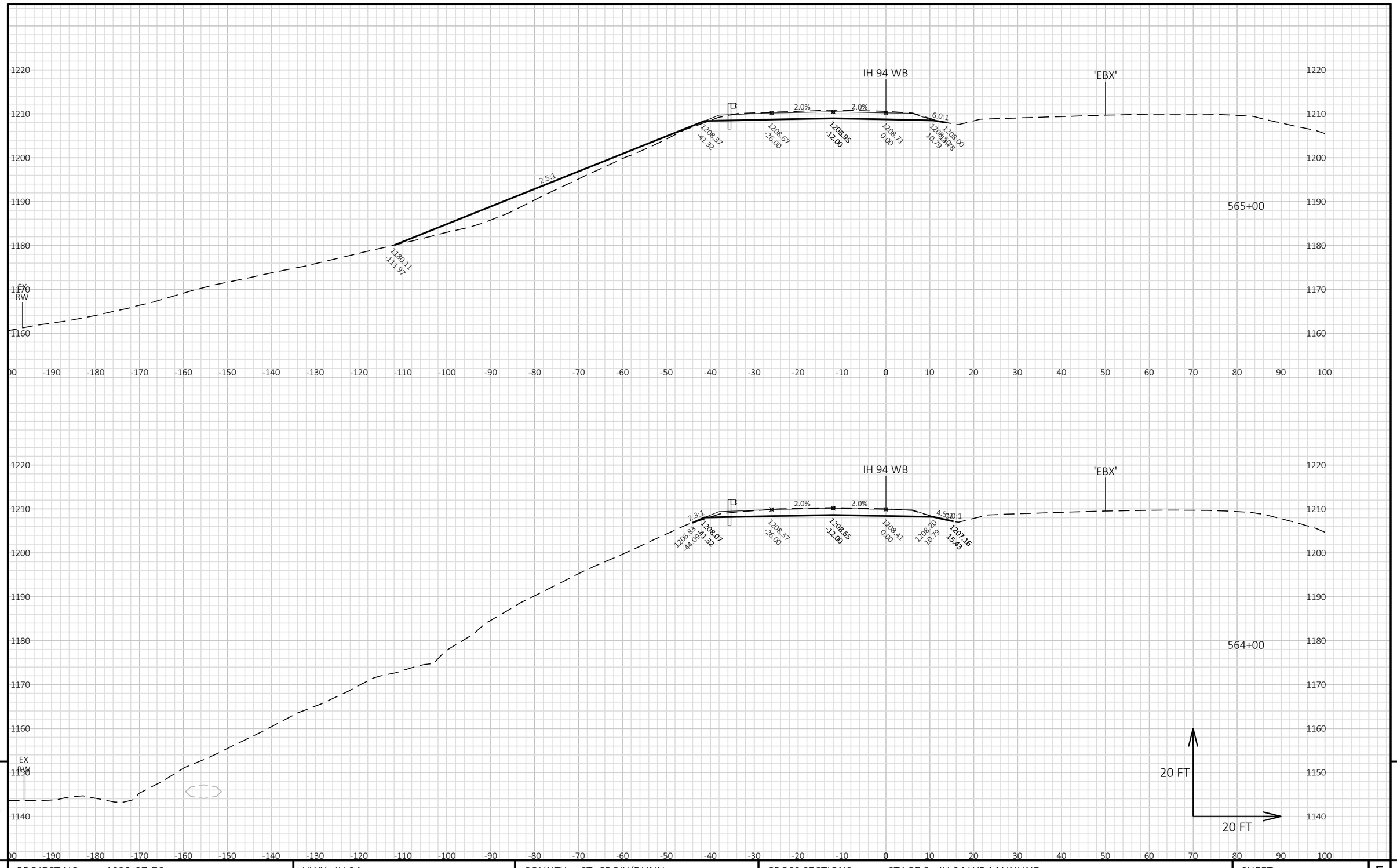
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1180	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 0901108_XS WB

PLOT DATE : 8/15/2018 9:12 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

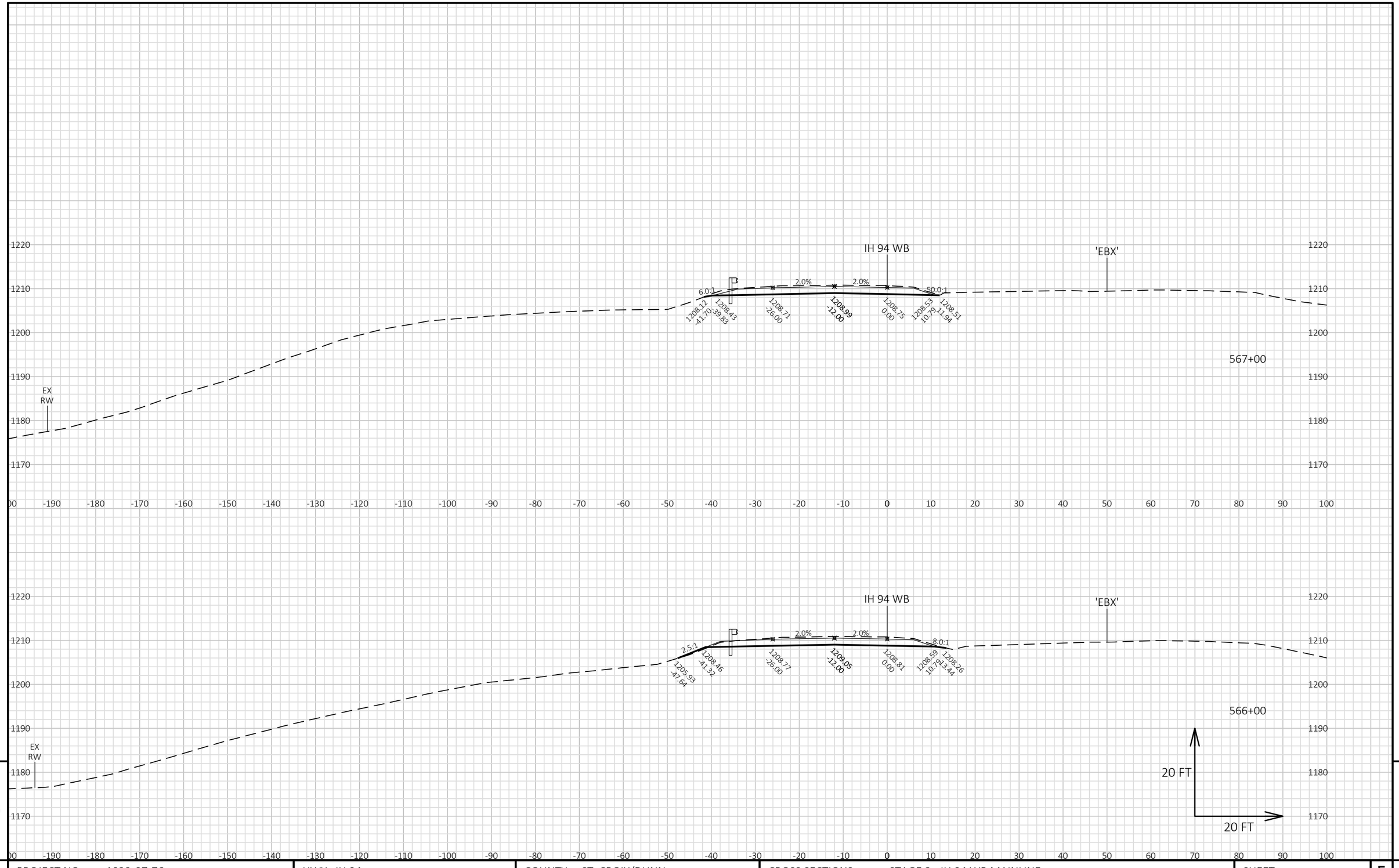


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1181 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 0901109_XS WB

PLOT DATE : 8/15/2018 9:12 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

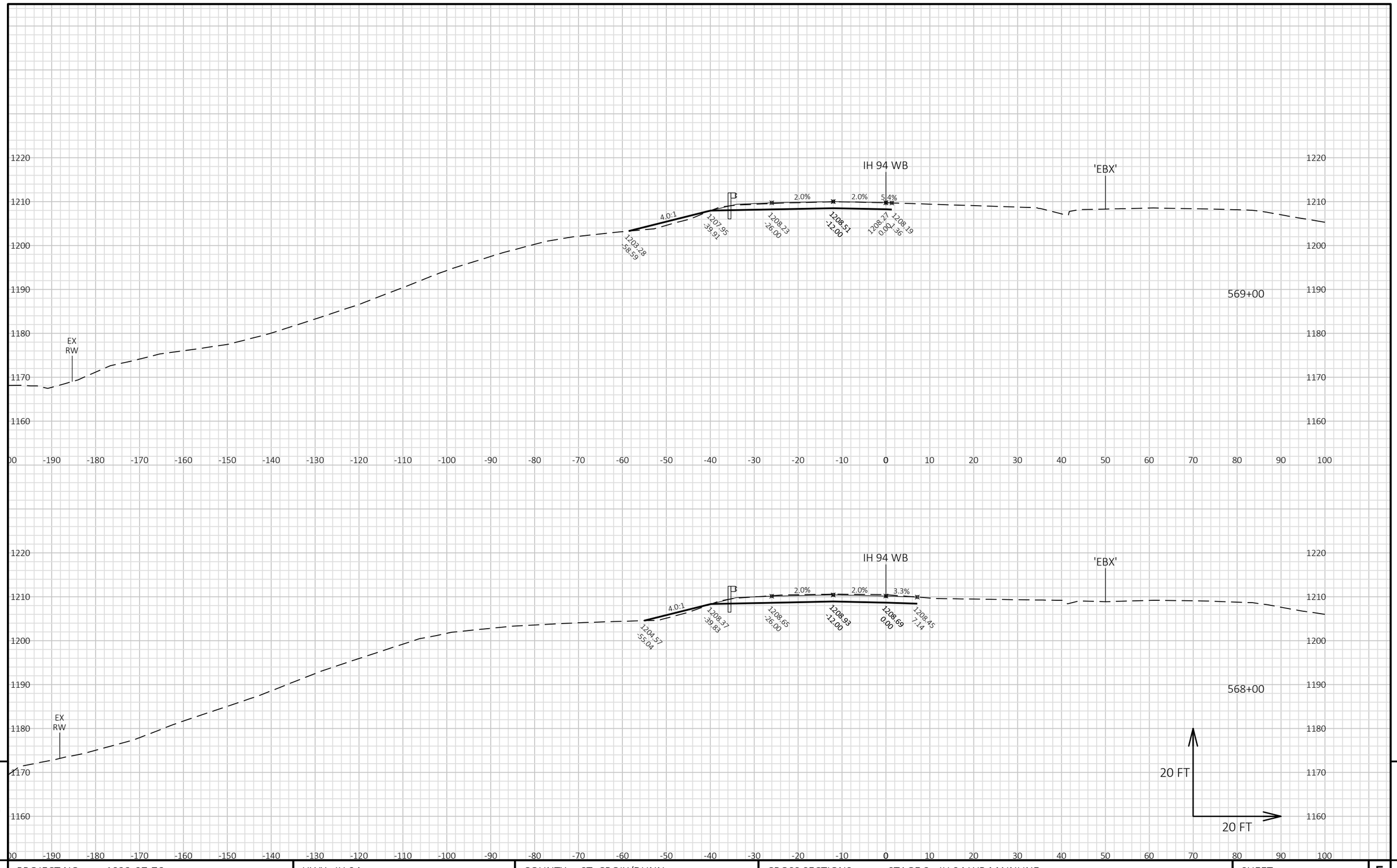


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1182	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 0901110_XS WB

PLOT DATE : 8/15/2018 9:12 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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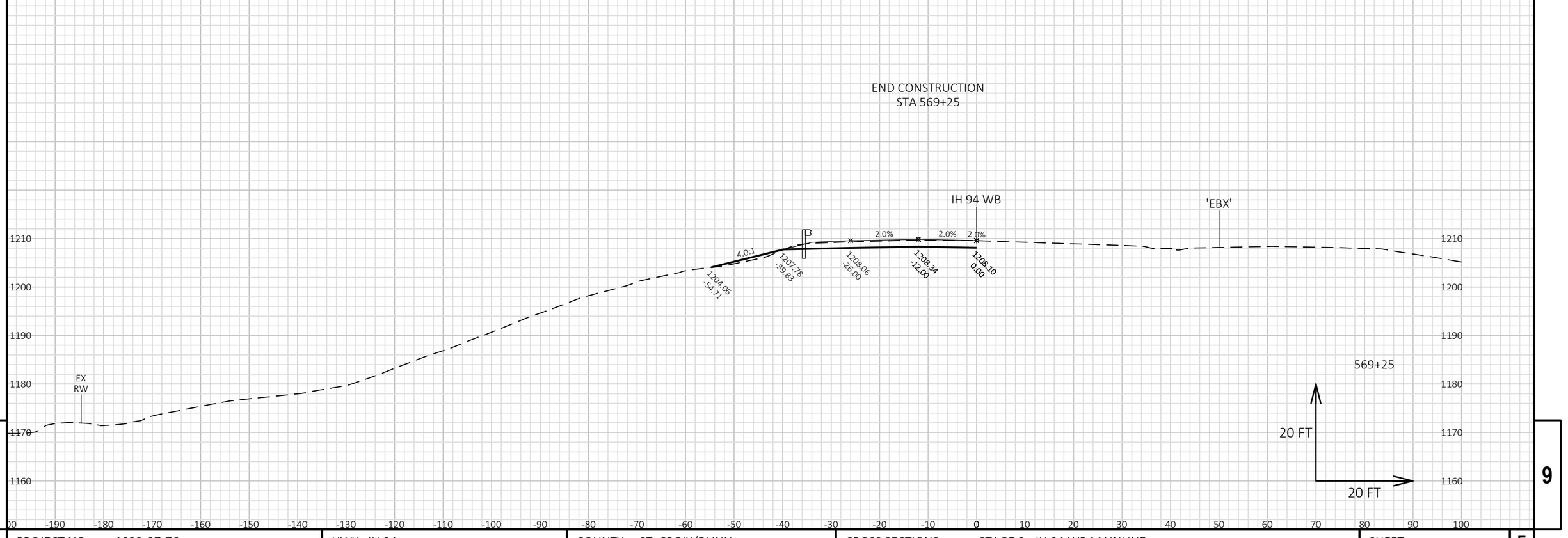
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1183	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 0901111_XS WB

PLOT DATE : 8/15/2018 9:12 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

END CONSTRUCTION
STA 569+25

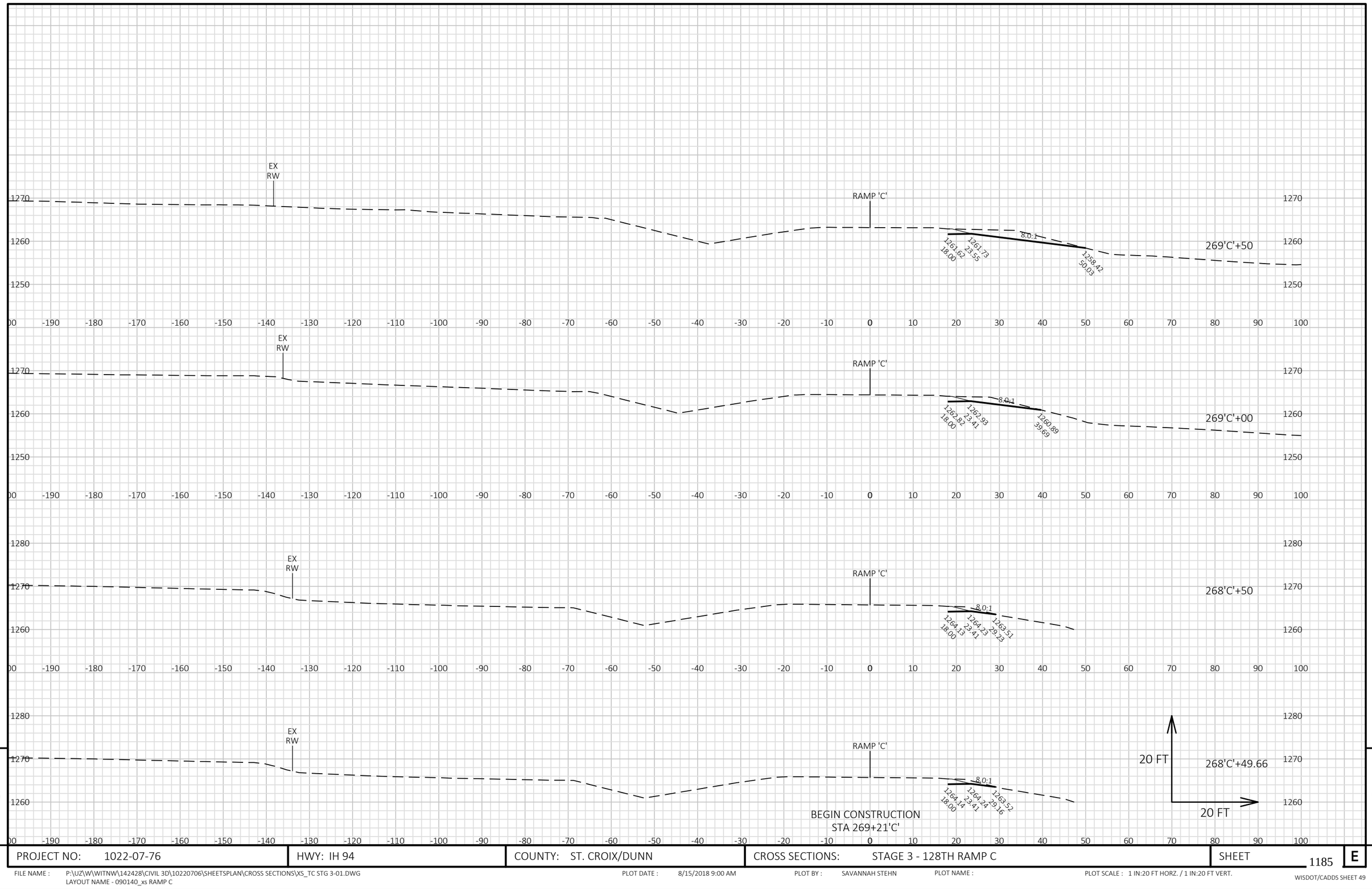


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - IH 94 WB MAINLINE	SHEET 1184	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 0901112_XS WB

PLOT DATE : 8/15/2018 9:13 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



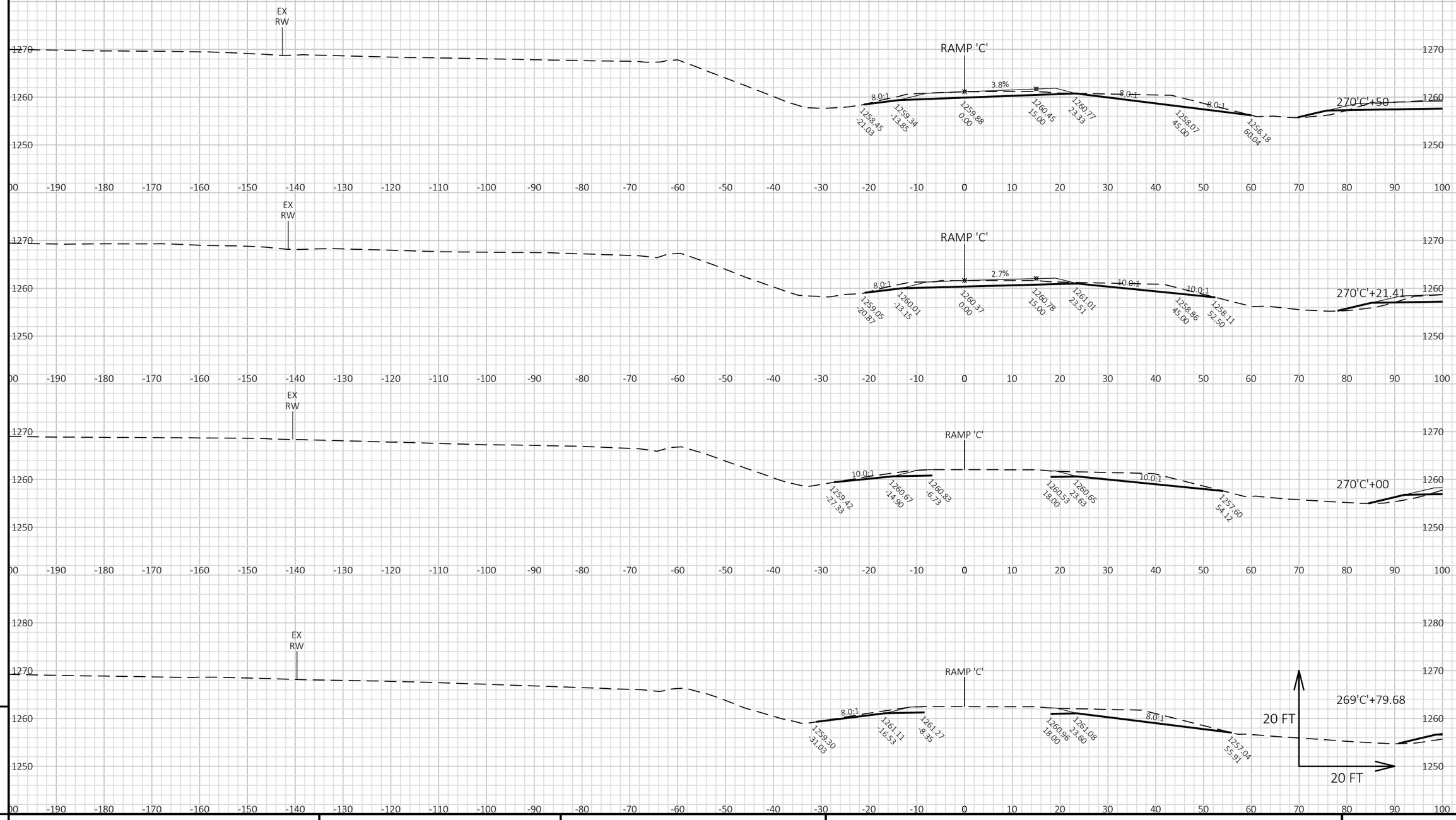
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - 128TH RAMP C	SHEET 1185	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090140_xs RAMP C

PLOT DATE : 8/15/2018 9:00 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



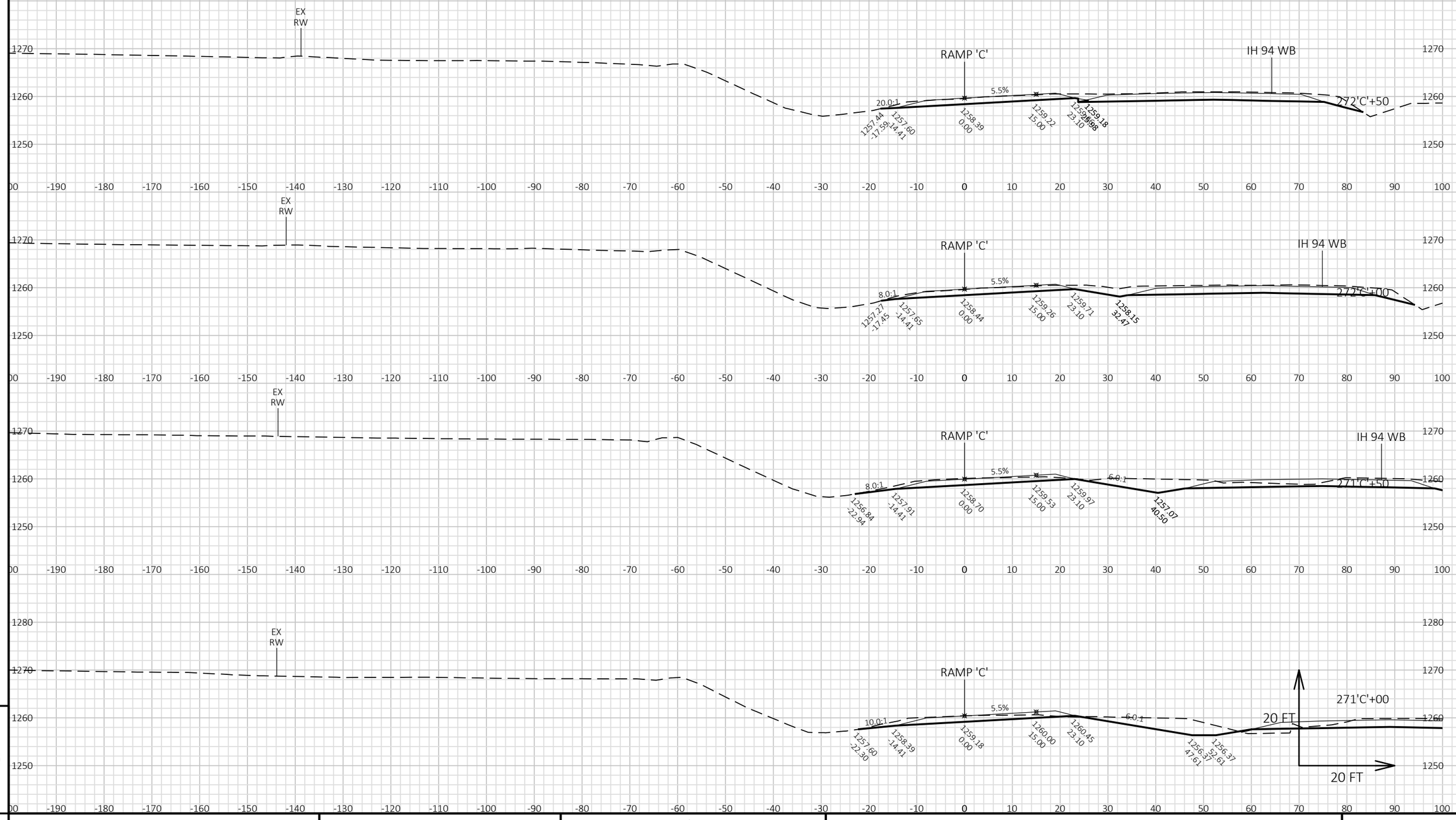
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - 128TH RAMP C	SHEET 1186	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090141_xs RAMP C

PLOT DATE : 8/15/2018 9:00 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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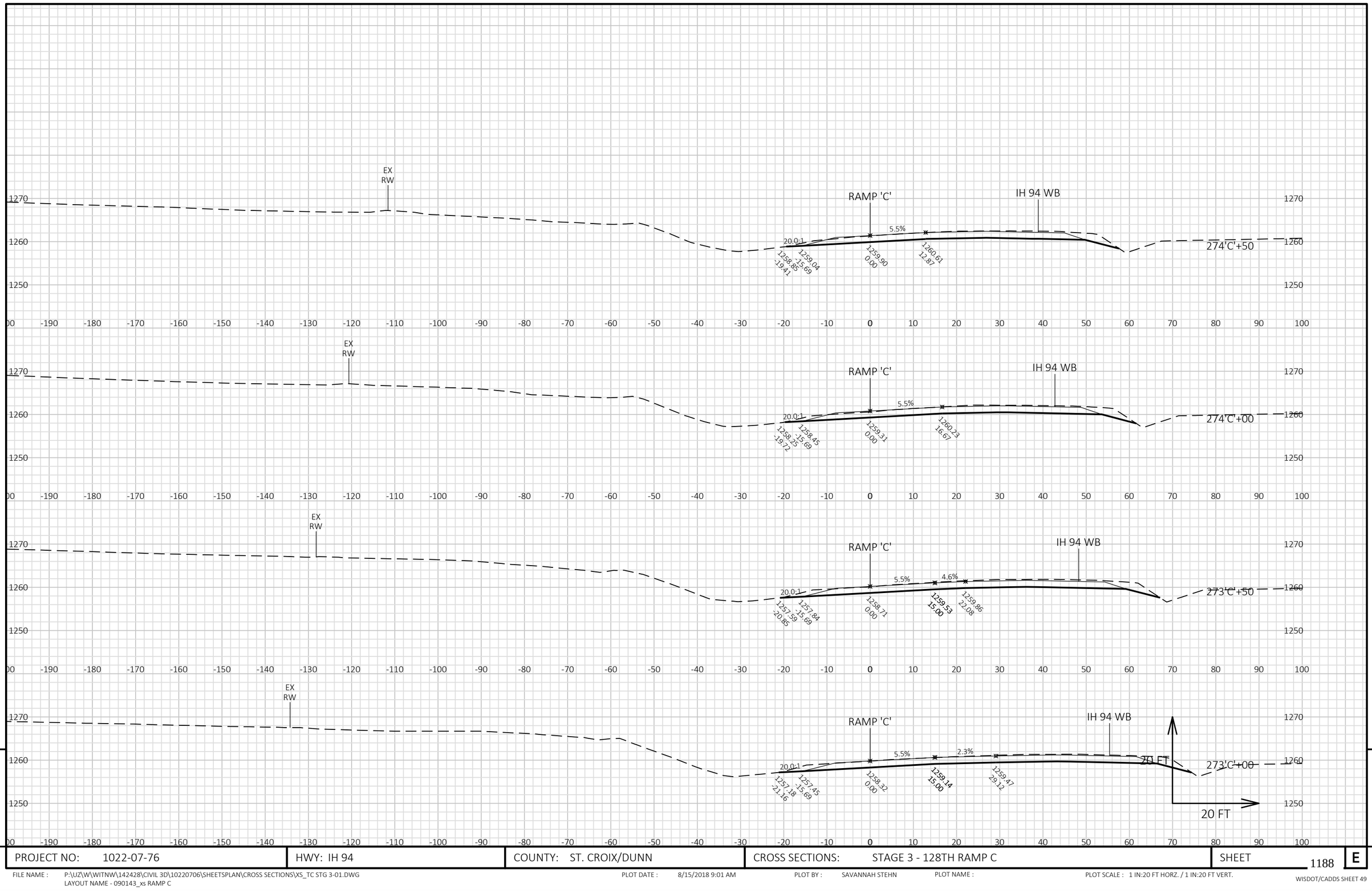
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - 128TH RAMP C	SHEET 1187	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090142_xs RAMP C

PLOT DATE : 8/15/2018 9:01 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



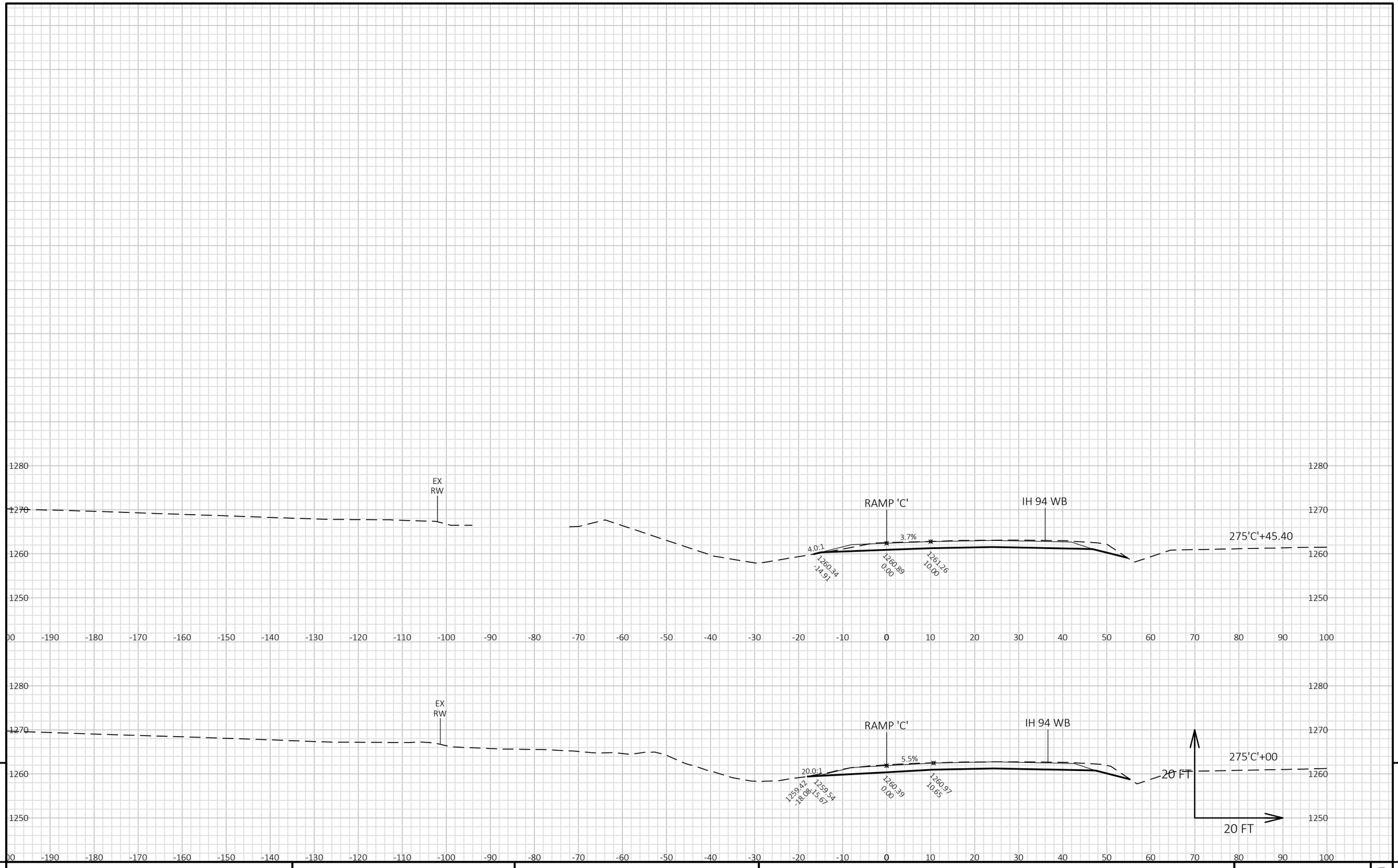
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - 128TH RAMP C	SHEET 1188	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090143_xs RAMP C

PLOT DATE : 8/15/2018 9:01 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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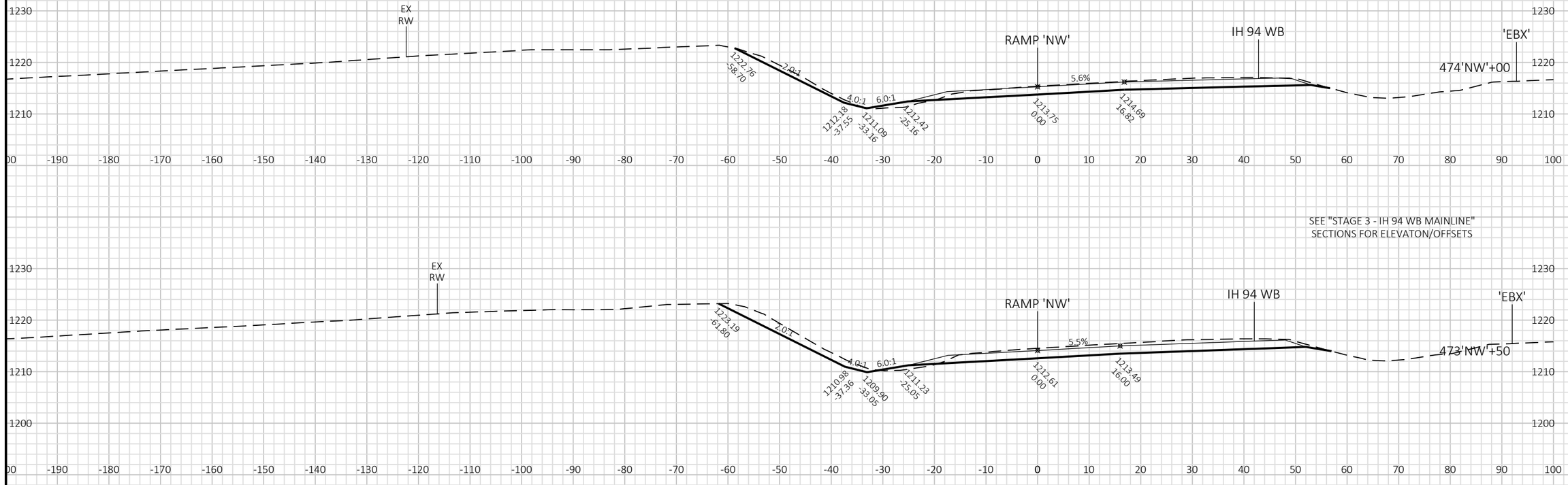
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - 128TH RAMP C	SHEET 1189	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-01.DWG
LAYOUT NAME - 090144_xs RAMP C

PLOT DATE : 8/15/2018 9:01 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



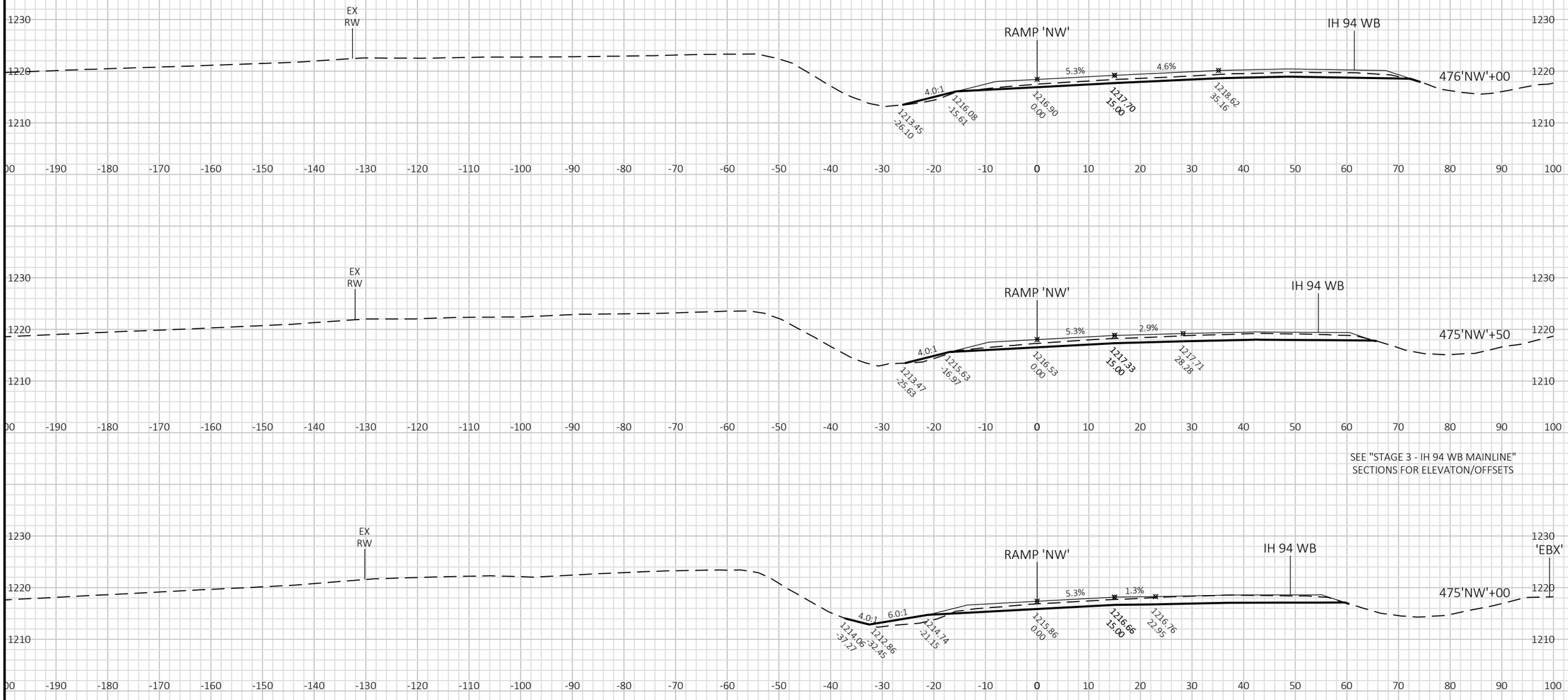
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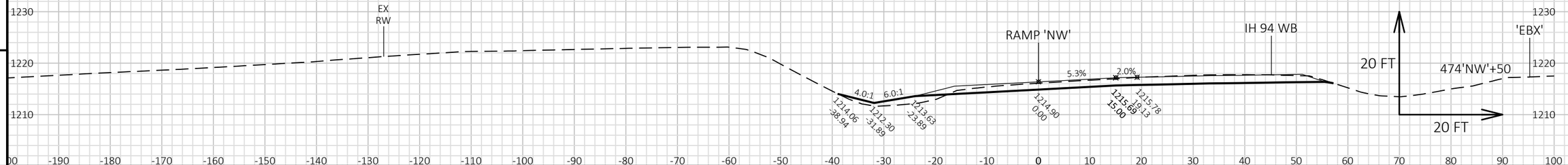
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - CTH Q NW RAMP	SHEET 1190 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090101_XS NW

PLOT DATE : 8/15/2018 9:13 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



SEE "STAGE 3 - IH 94 WB MAINLINE"
SECTIONS FOR ELEVATON/OFFSETS



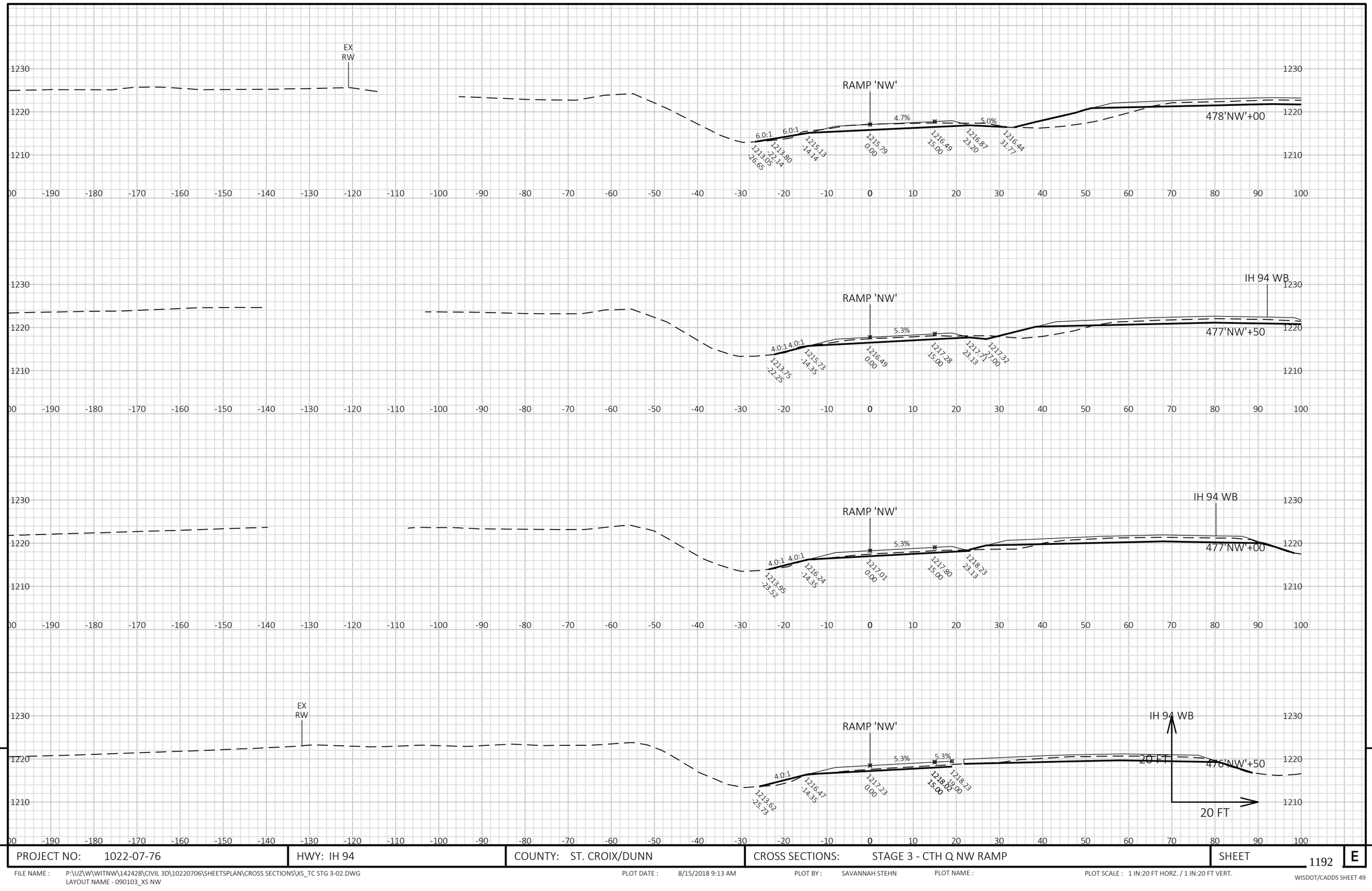
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - CTH Q NW RAMP	SHEET 1191	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090102_XS NW

PLOT DATE : 8/15/2018 9:13 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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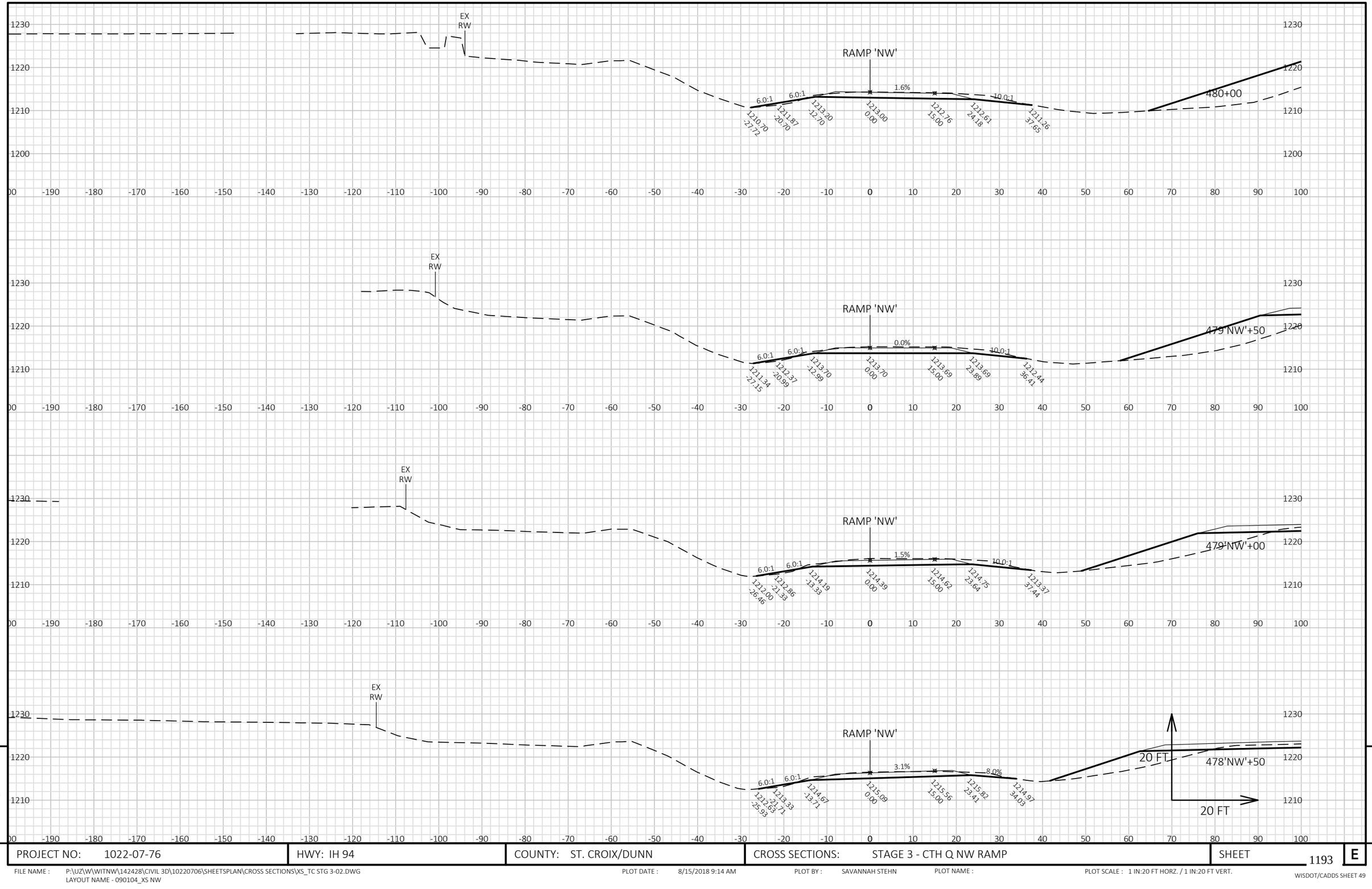
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - CTH Q NW RAMP	SHEET 1192	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090103_XS NW

PLOT DATE : 8/15/2018 9:13 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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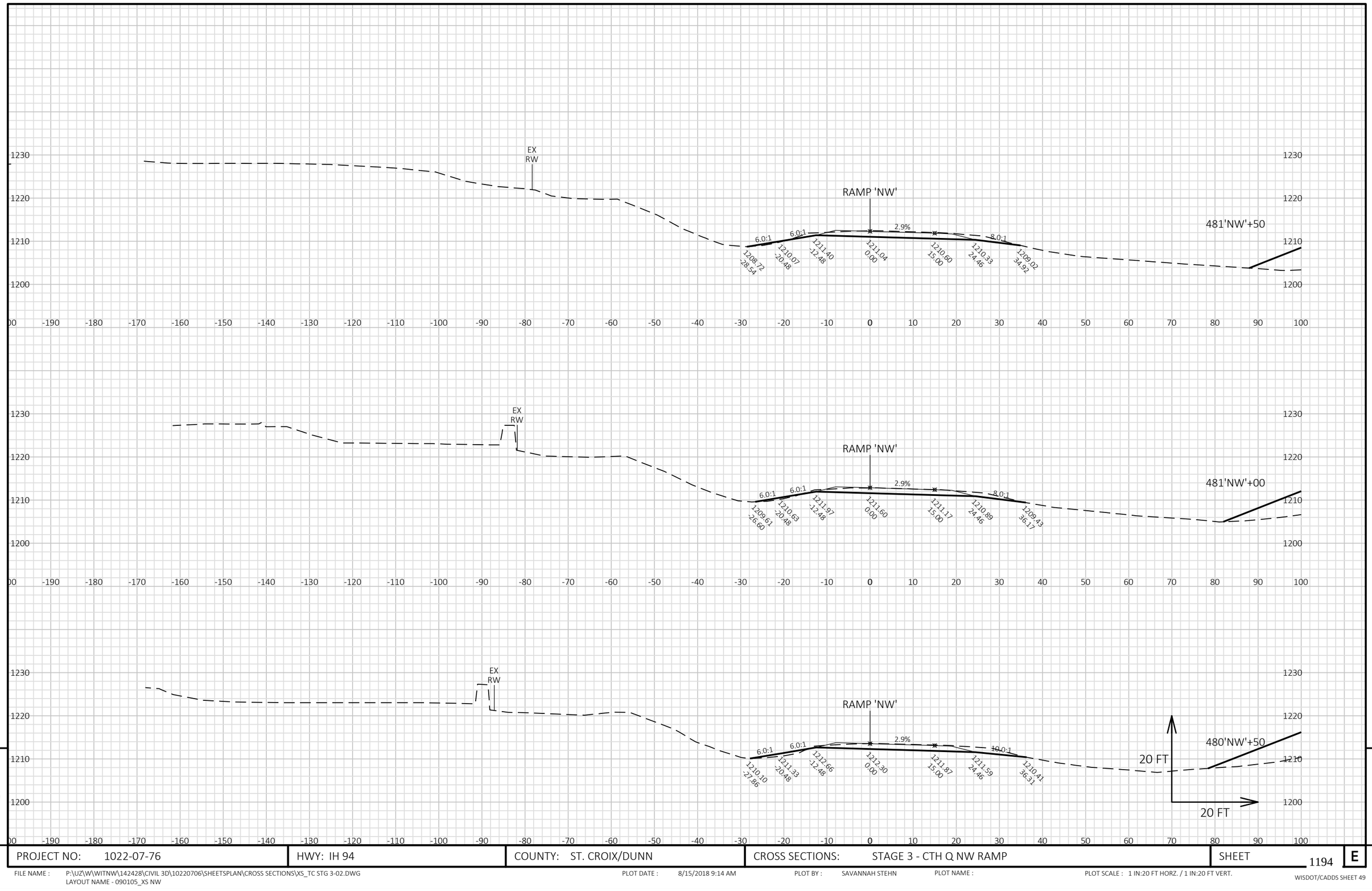
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - CTH Q NW RAMP	SHEET 1193	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090104_XS NW

PLOT DATE : 8/15/2018 9:14 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



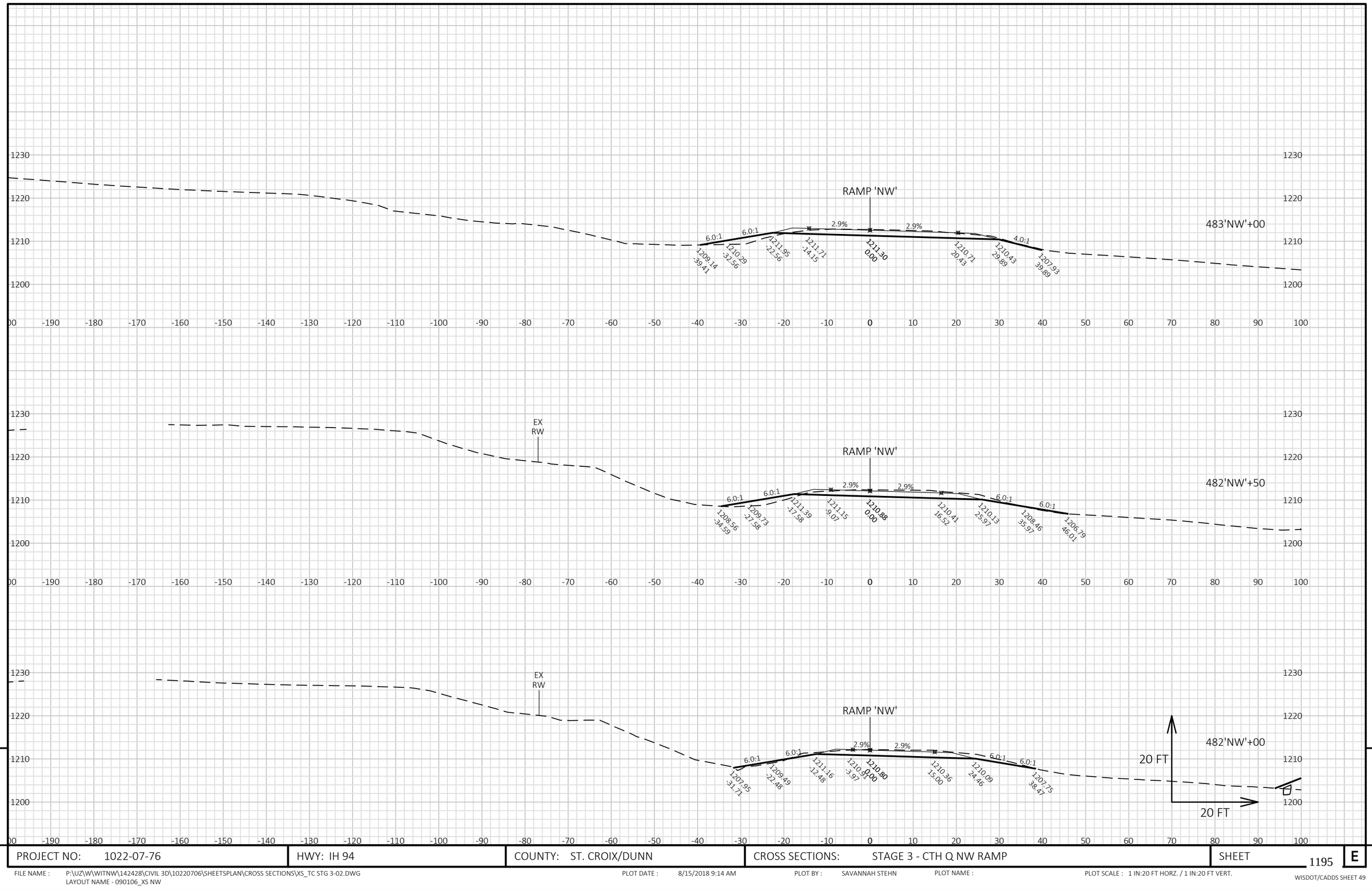
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - CTH Q NW RAMP	SHEET 1194 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090105_XS NW

PLOT DATE : 8/15/2018 9:14 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



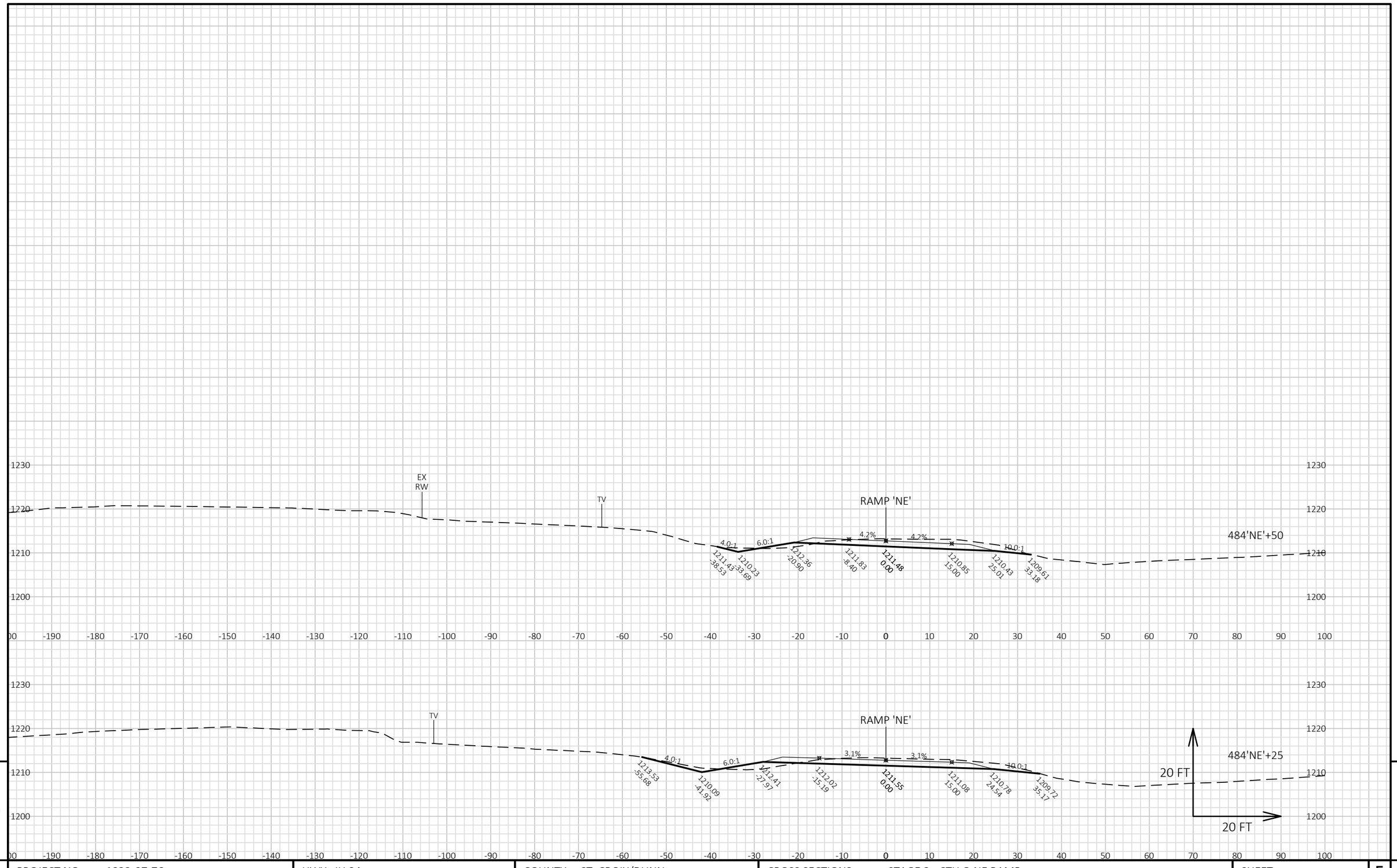
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - CTH Q NW RAMP	SHEET 1195	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090106_XS NW

PLOT DATE : 8/15/2018 9:14 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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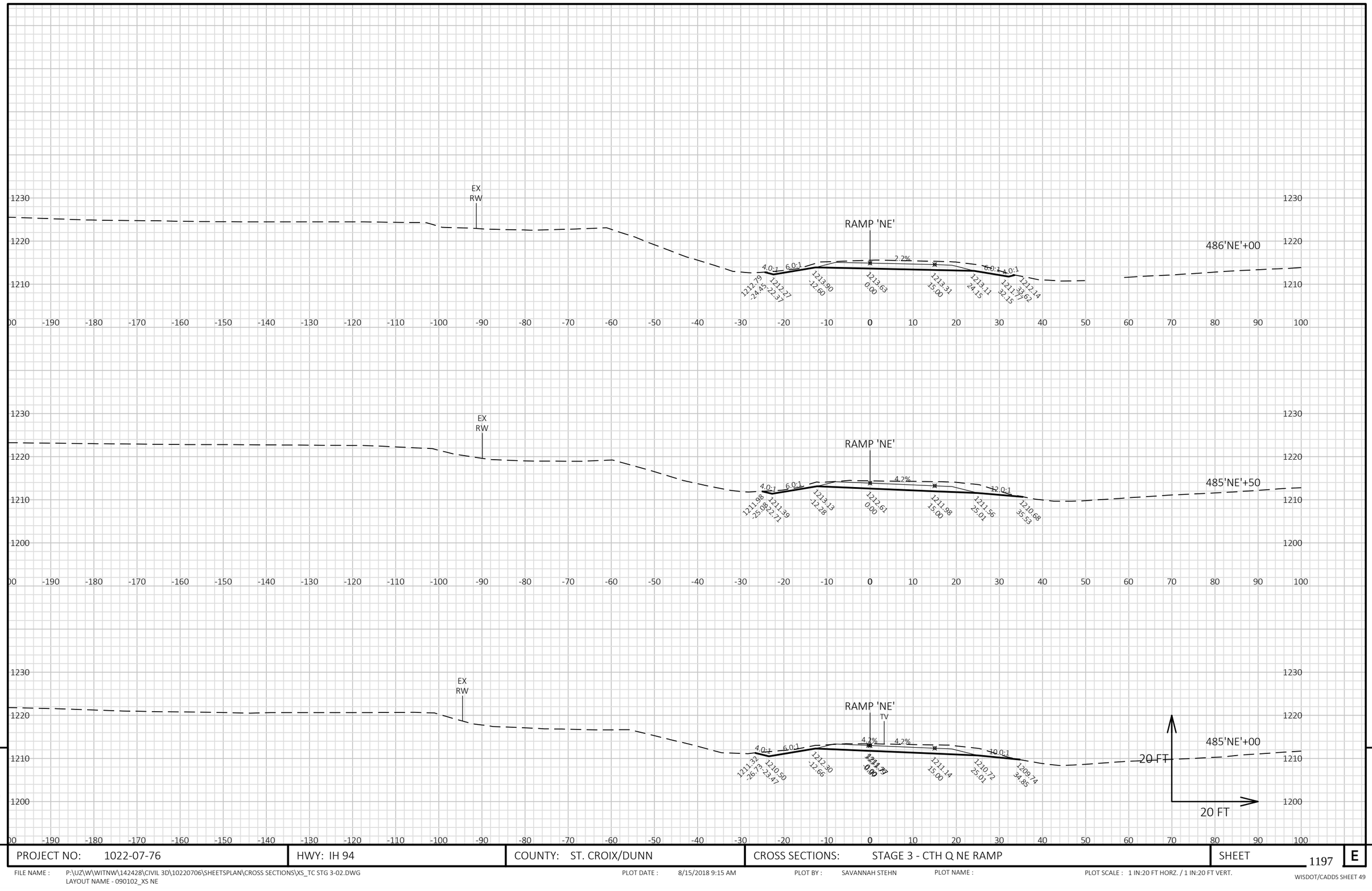
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - CTH Q NE RAMP	SHEET 1196	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090101_XS NE

PLOT DATE : 8/15/2018 9:14 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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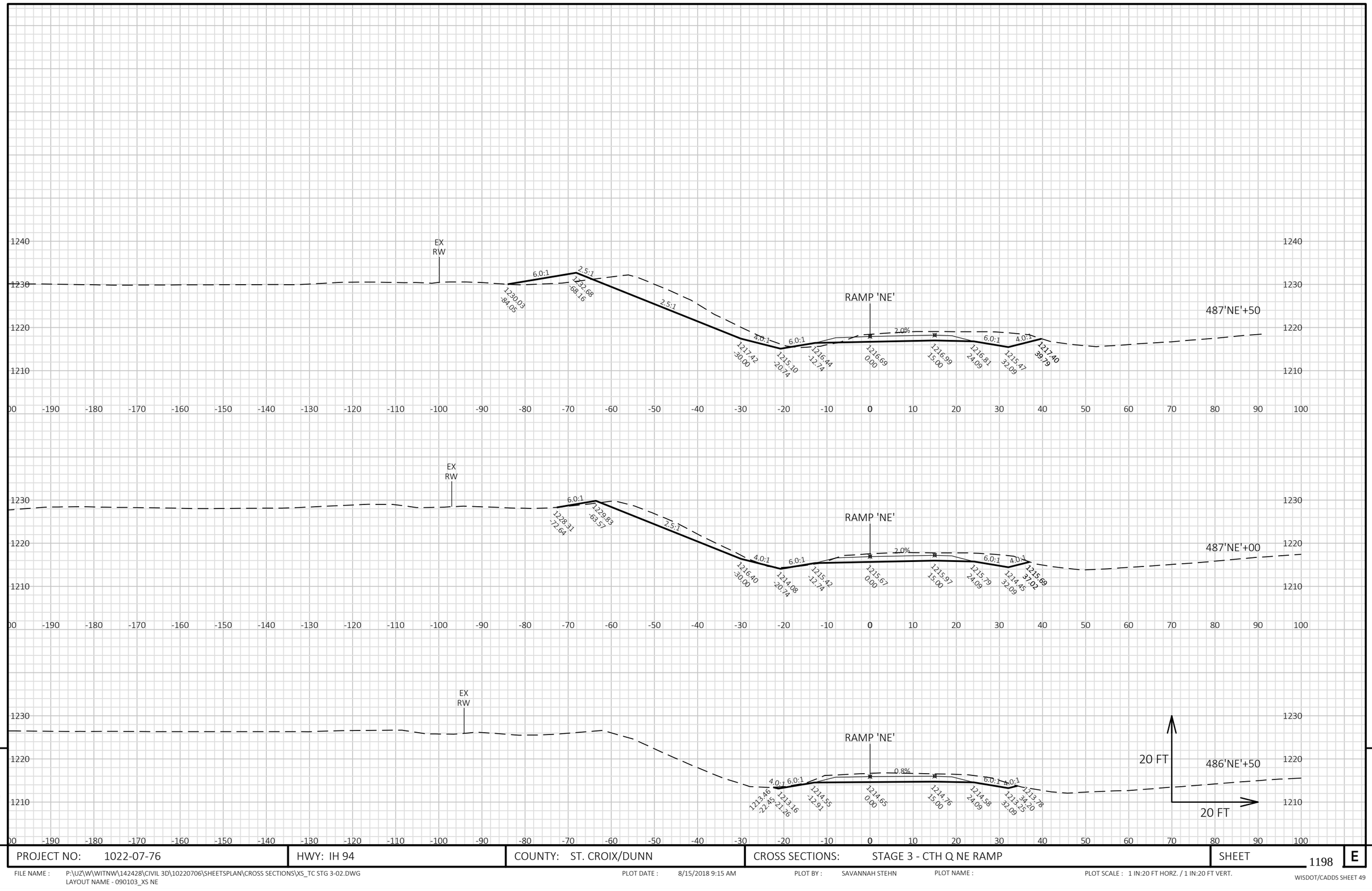
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - CTH Q NE RAMP	SHEET 1197	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090102_XS NE

PLOT DATE : 8/15/2018 9:15 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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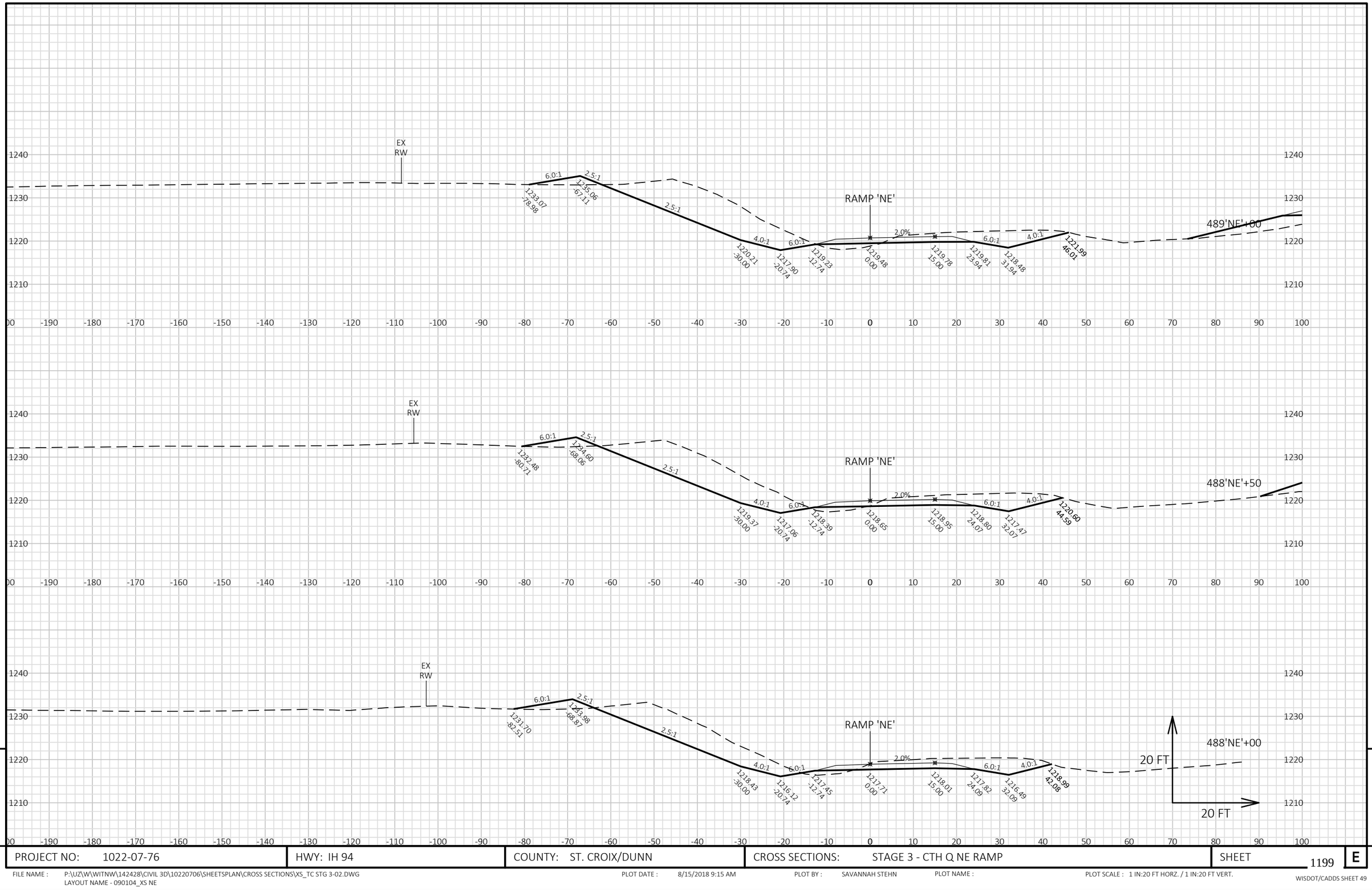
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - CTH Q NE RAMP	SHEET 1198	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090103_XS NE

PLOT DATE : 8/15/2018 9:15 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - CTH Q NE RAMP	SHEET 1199	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090104_XS NE

PLOT DATE : 8/15/2018 9:15 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

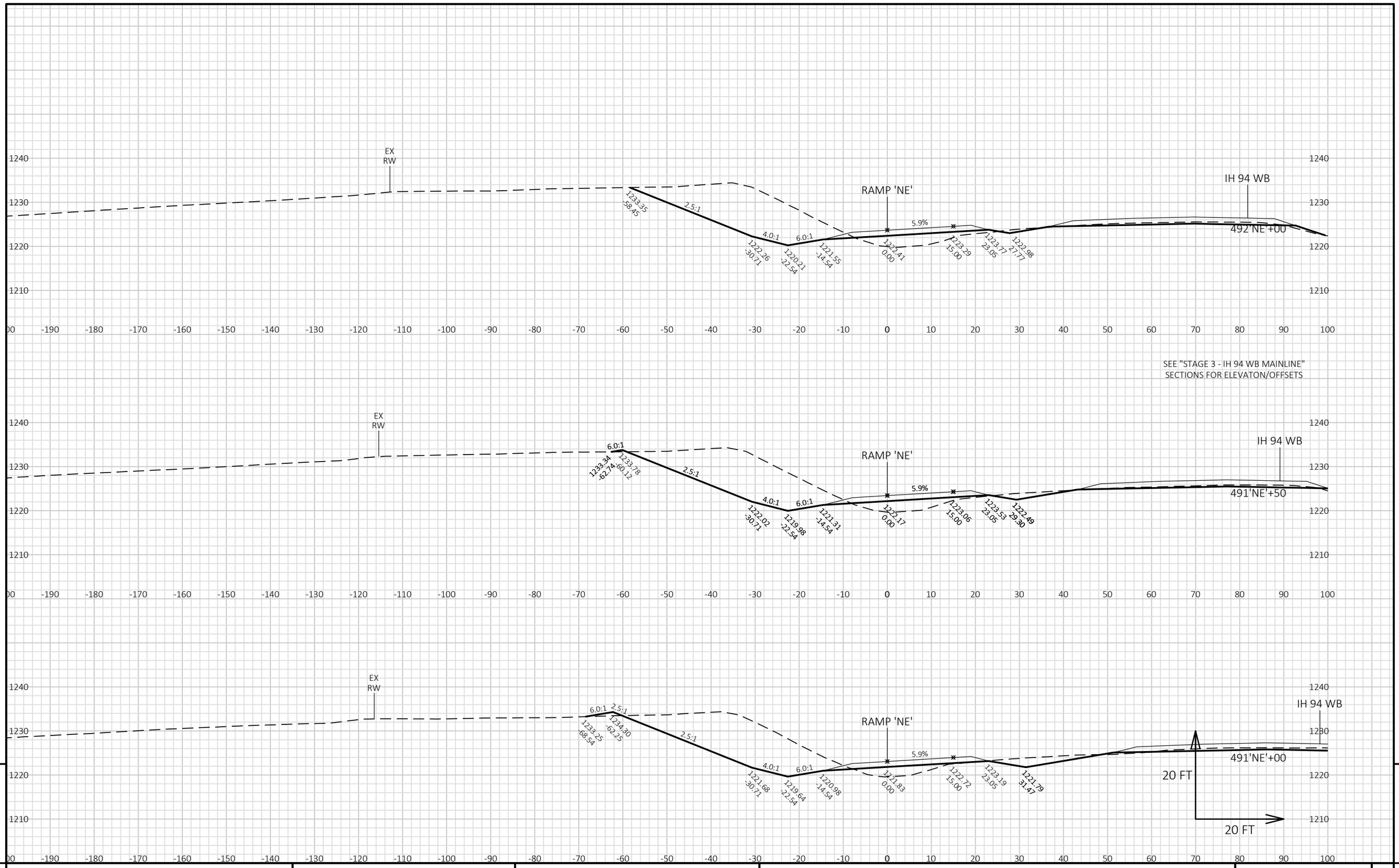
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - CTH Q NE RAMP	SHEET 1200 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090105_XS NE

PLOT DATE : 8/15/2018 9:15 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - CTH Q NE RAMP	SHEET 1201	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090106_XS NE

PLOT DATE : 8/15/2018 9:16 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

SEE "STAGE 3 - IH 94 WB MAINLINE"
SECTIONS FOR ELEVATON/OFFSETS

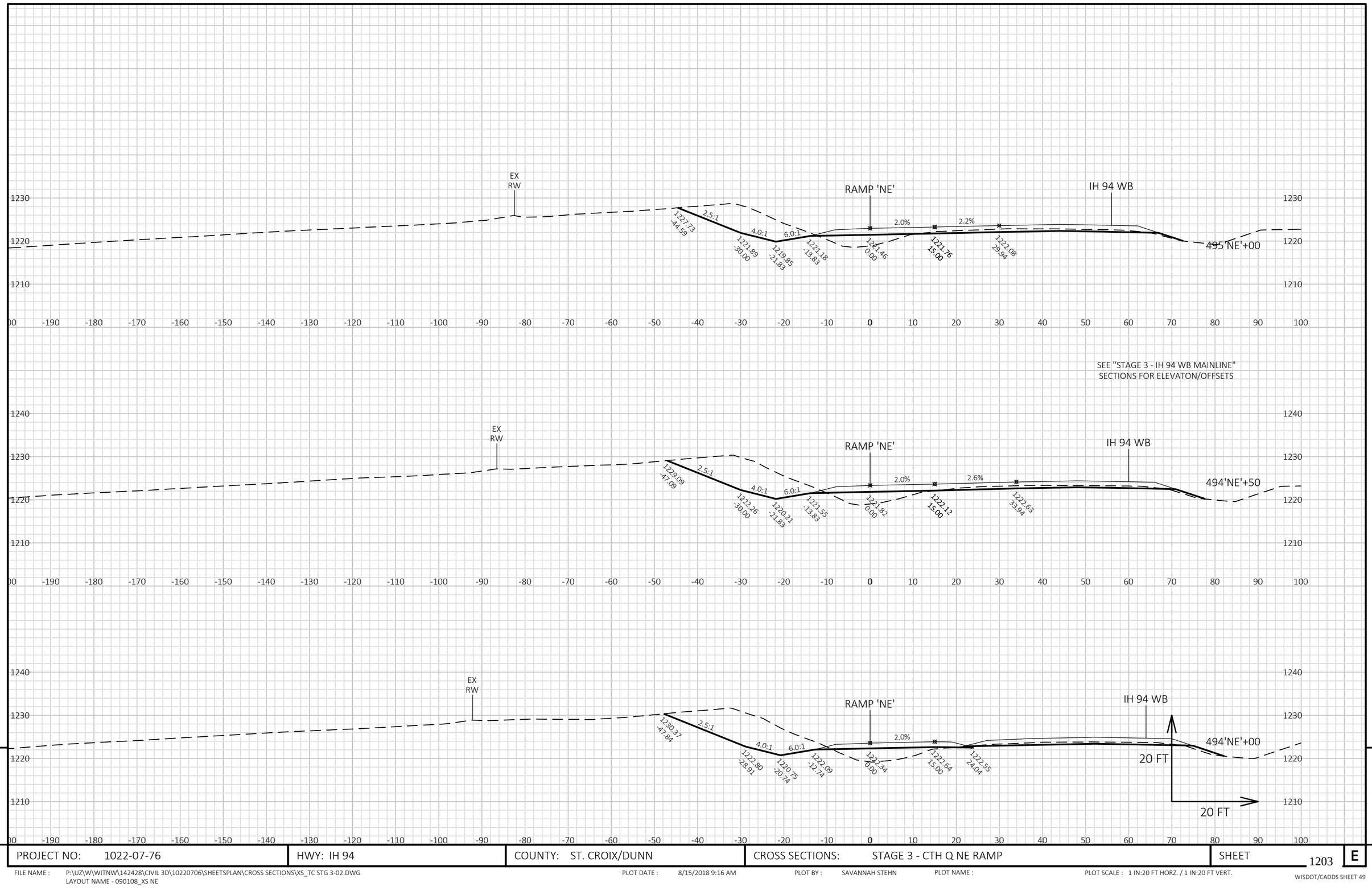
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - CTH Q NE RAMP	SHEET 1202 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090107_XS NE

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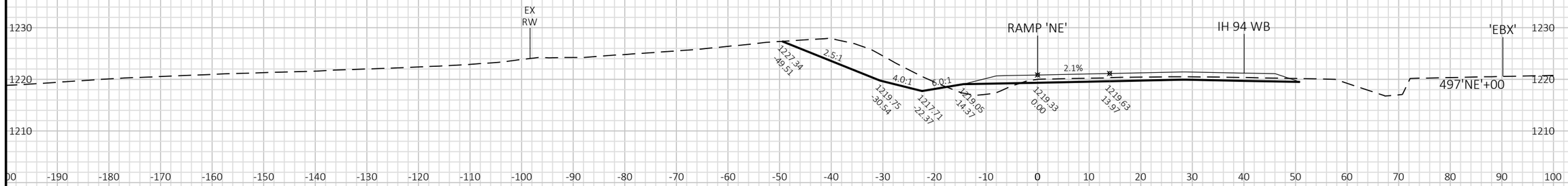


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - CTH Q NE RAMP	SHEET 1203 E

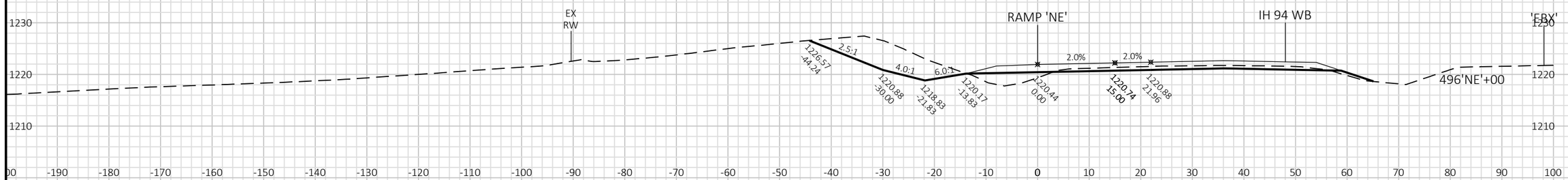
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LAYOUT NAME - 090108_XS NE

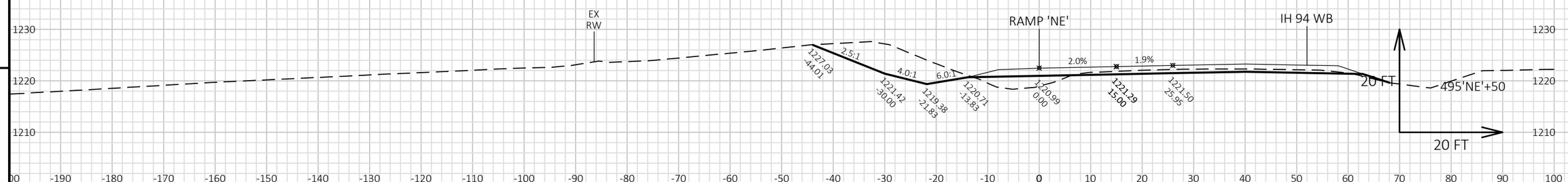
PLOT DATE : 8/15/2018 9:16 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



SEE "STAGE 3 - IH 94 WB MAINLINE"
SECTIONS FOR ELEVATON/OFFSETS



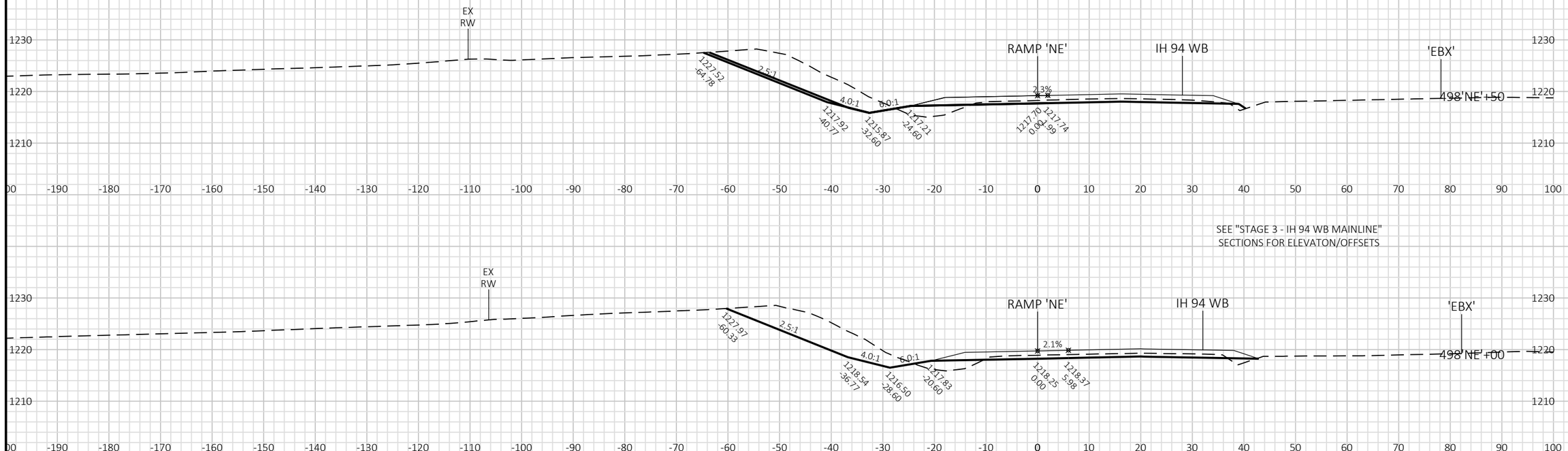


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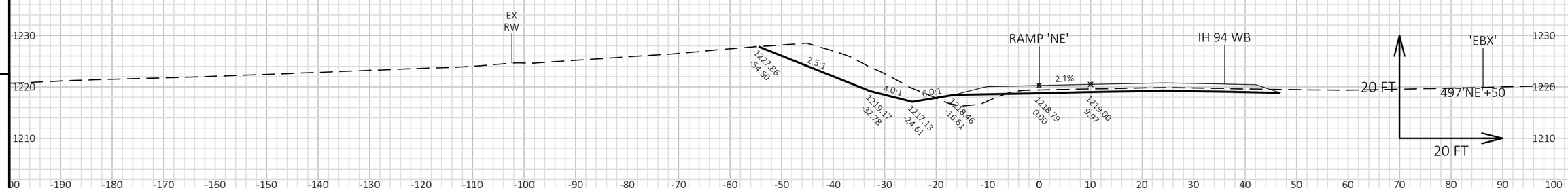
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - CTH Q NE RAMP	SHEET 1204 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 090109_XS NE

PLOT DATE : 8/15/2018 9:16 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



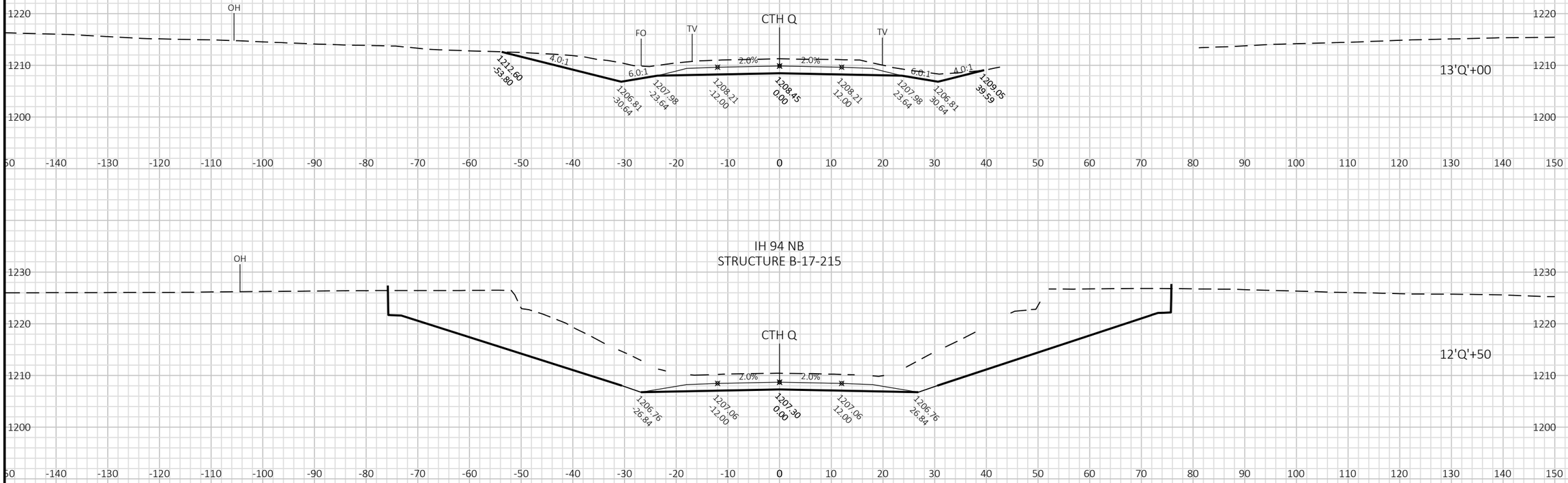
SEE "STAGE 3 - IH 94 WB MAINLINE"
SECTIONS FOR ELEVATON/OFFSETS



9 9

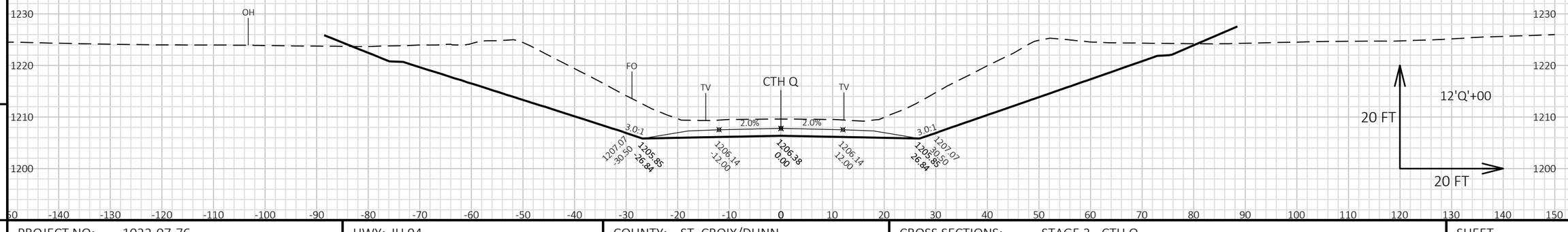
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - CTH Q NE RAMP	SHEET 1205 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02.DWG
LAYOUT NAME - 0901010_XS NE
PLOT DATE : 8/15/2018 9:17 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



IH 94 NB
STRUCTURE B-17-215

IH 94 NB
STRUCTURE B-17-215



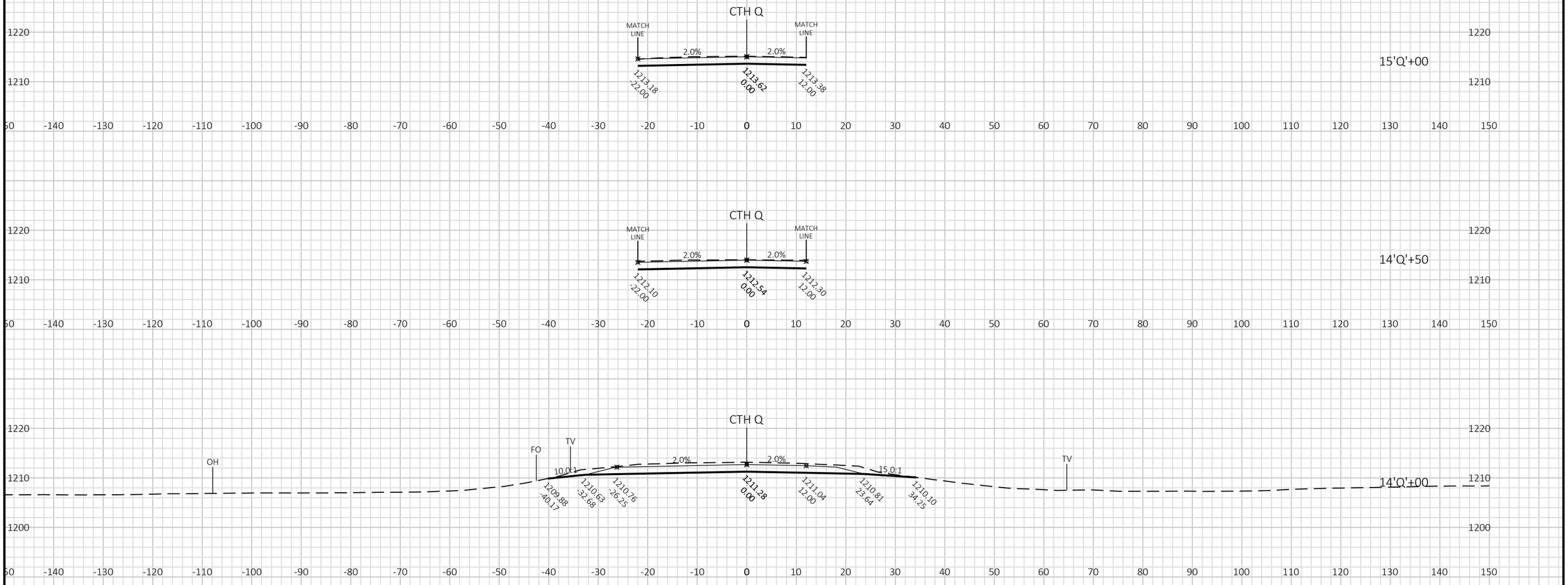
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - CTH Q	SHEET 1206	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02_CTH Q.DWG
LAYOUT NAME - TC Stg3 - 090101_xs Q

PLOT DATE : 8/15/2018 8:57 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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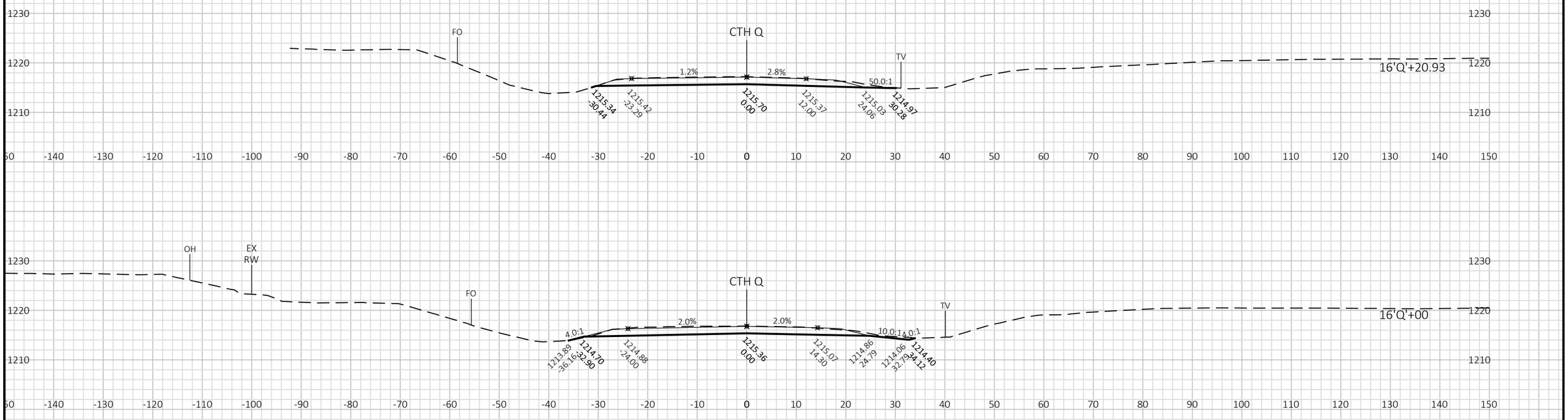
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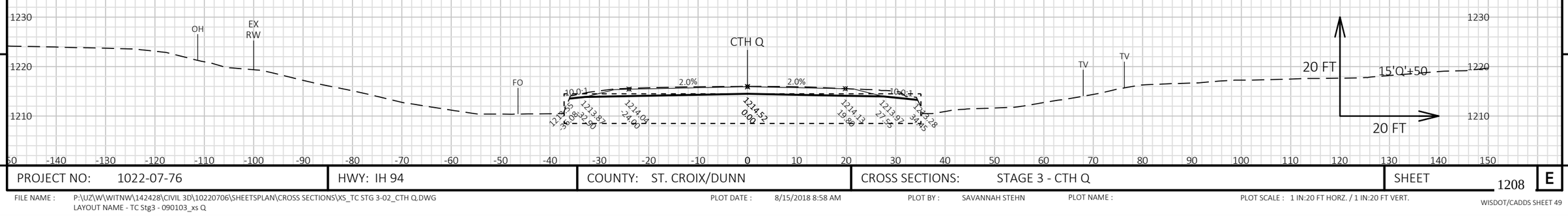
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LAYOUT NAME - TC Stg3 - 090102_xs Q

PLOT DATE : 8/15/2018 8:58 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 16+21'Q'





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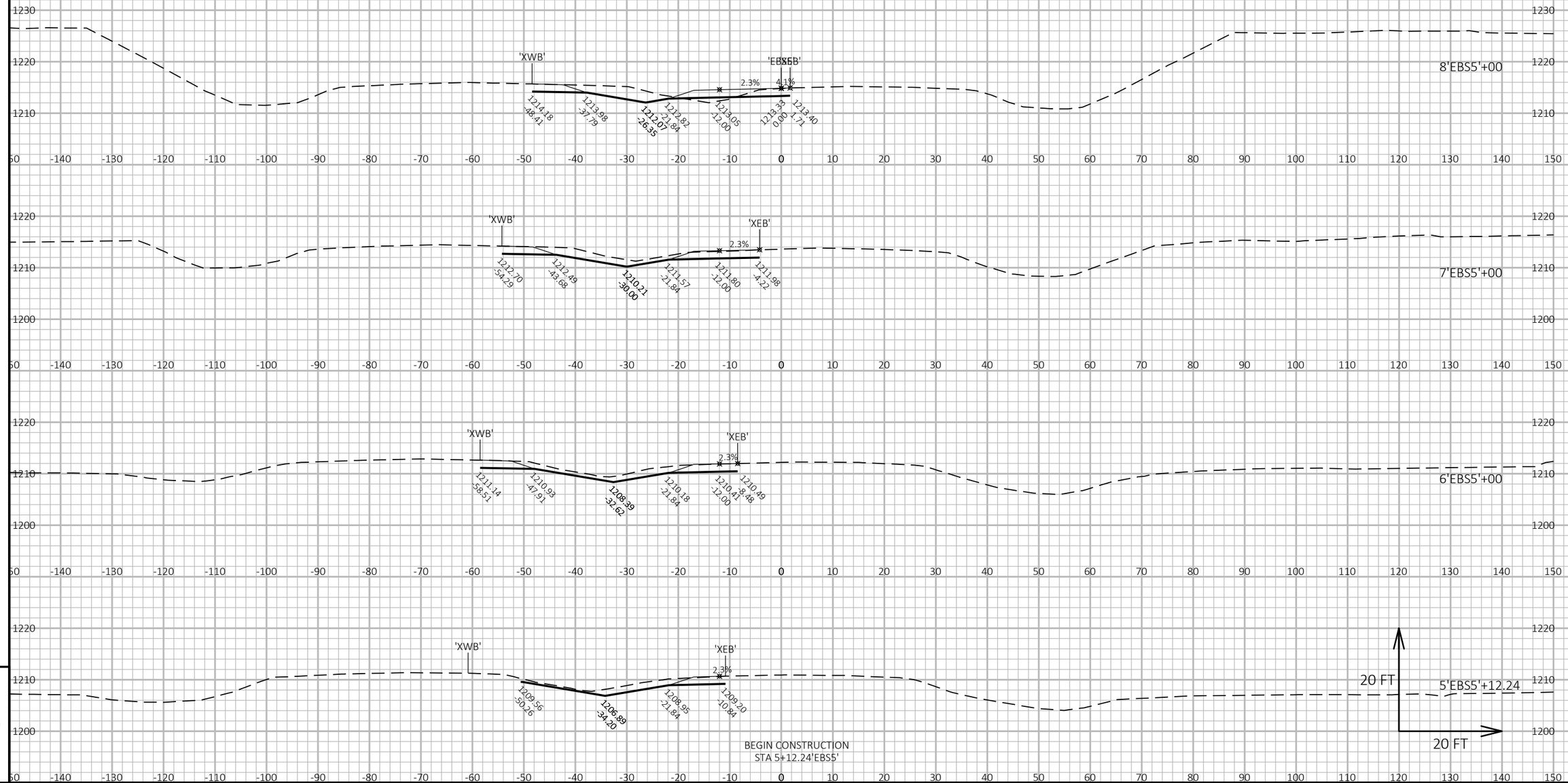
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 3 - CTH Q	SHEET 1208	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 3-02_CTH Q.DWG
LAYOUT NAME - TC Stg3 - 090103_xs Q

PLOT DATE : 8/15/2018 8:58 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



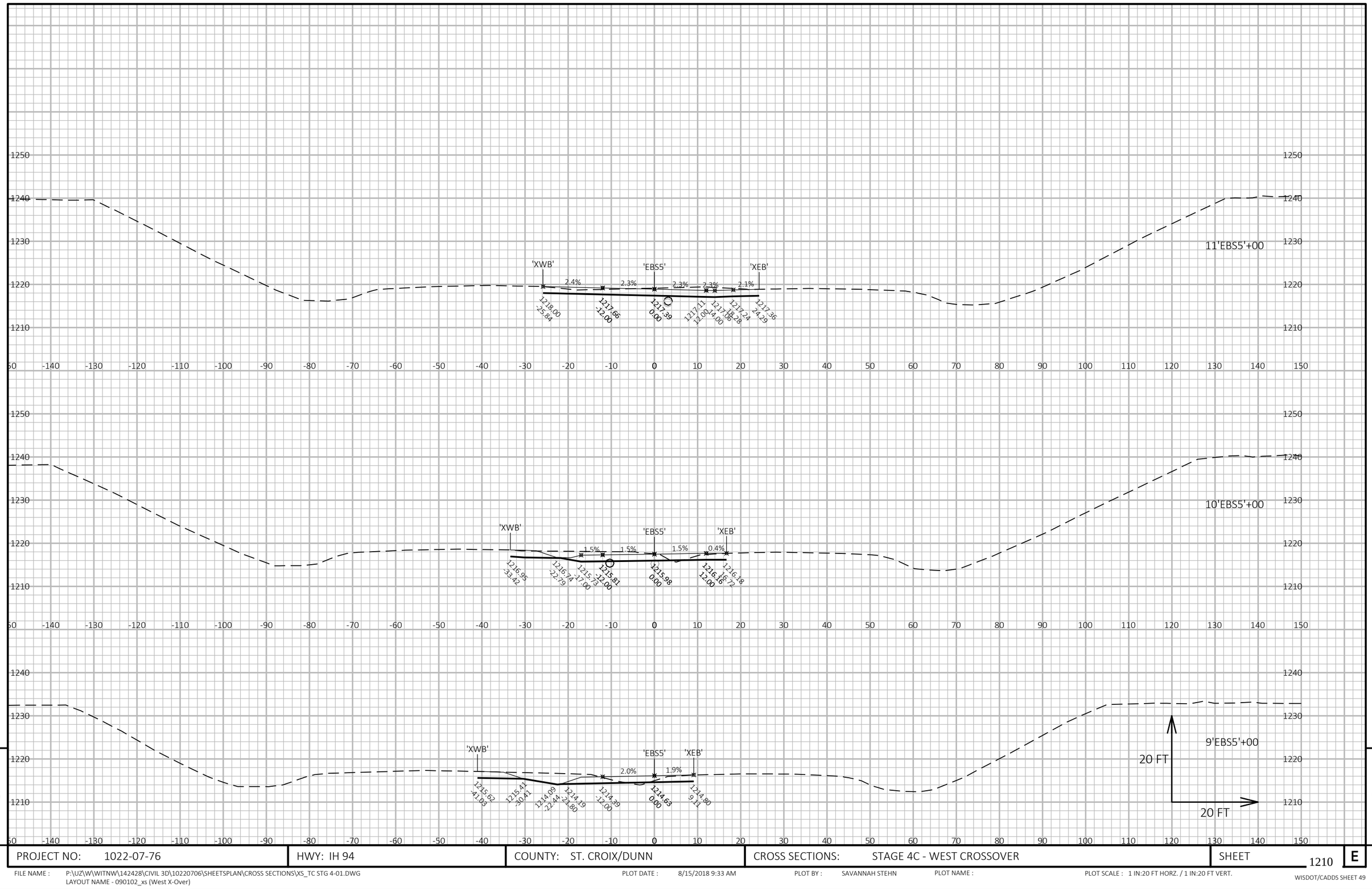
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - WEST CROSSOVER	SHEET 1209	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - 090101_xs (West X-Over)

PLOT DATE : 8/15/2018 9:32 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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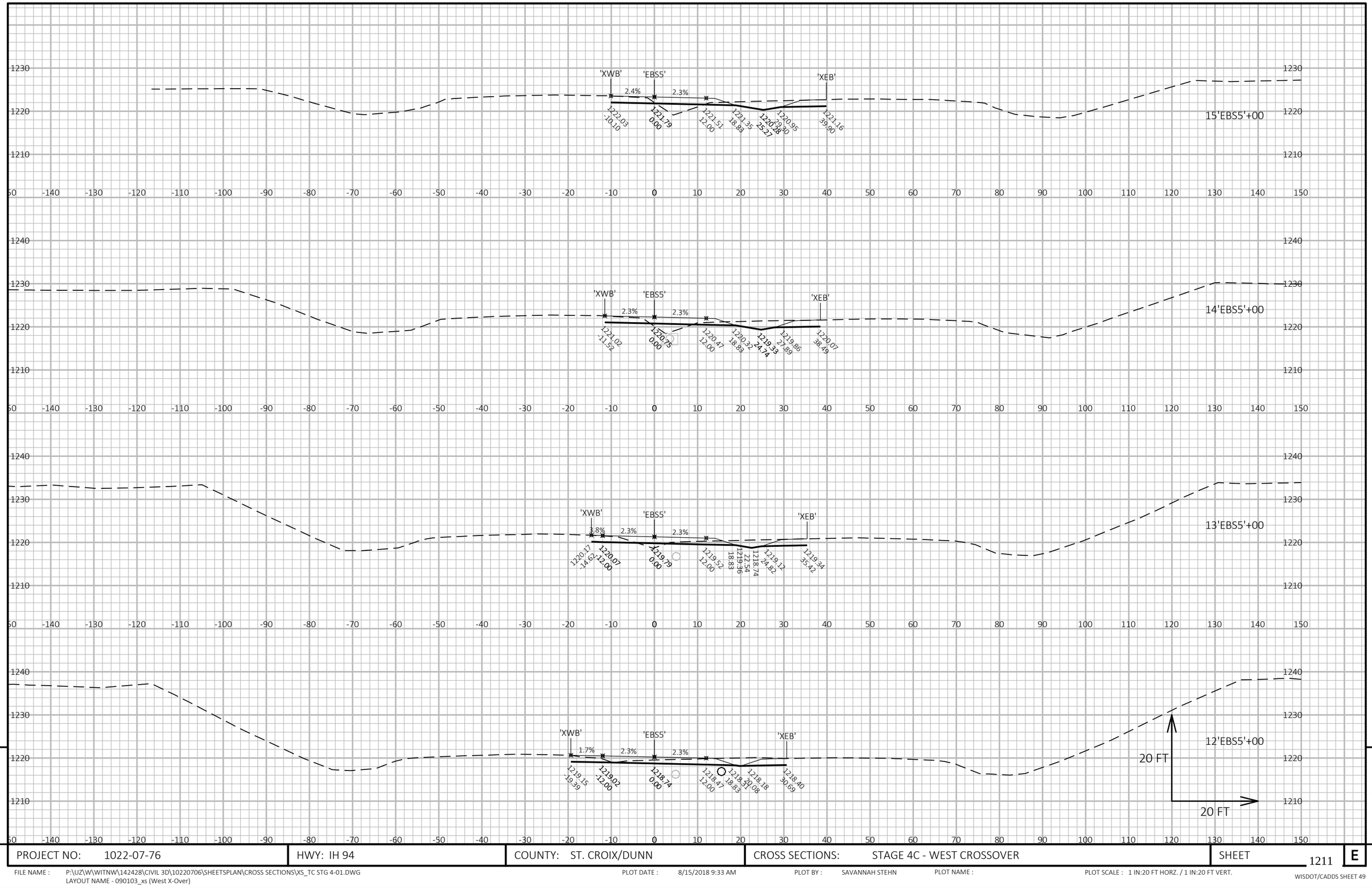
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - WEST CROSSOVER	SHEET 1210	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - 090102_xs (West X-Over)

PLOT DATE : 8/15/2018 9:33 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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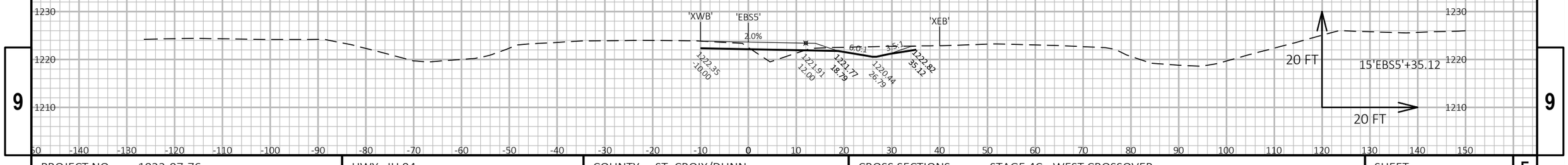
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - WEST CROSSOVER	SHEET 1211	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - 090103_xs (West X-Over)

PLOT DATE : 8/15/2018 9:33 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



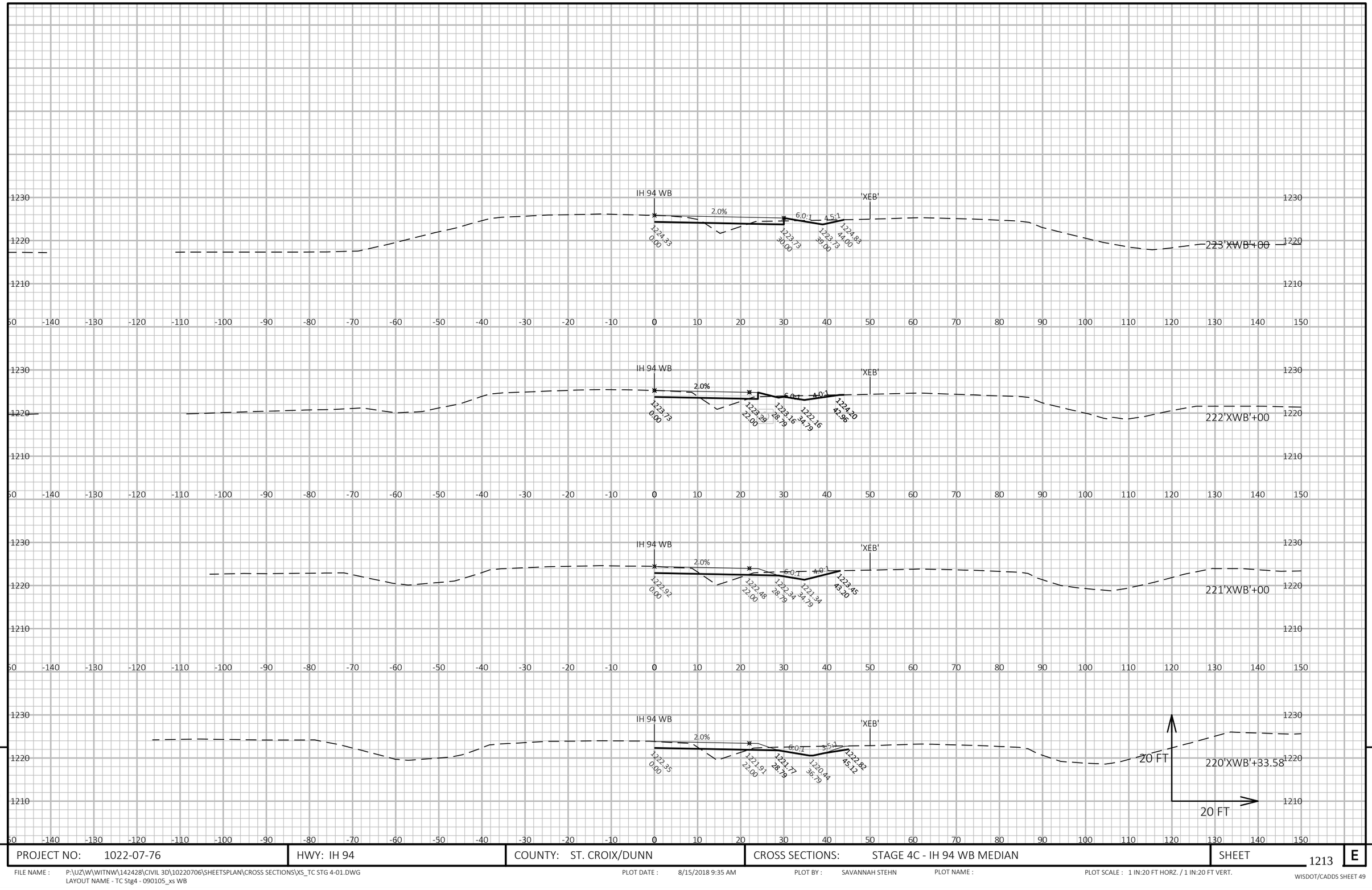
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - WEST CROSSOVER	SHEET 1212	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - 090104_xs (West X-Over)

PLOT DATE : 8/15/2018 9:34 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



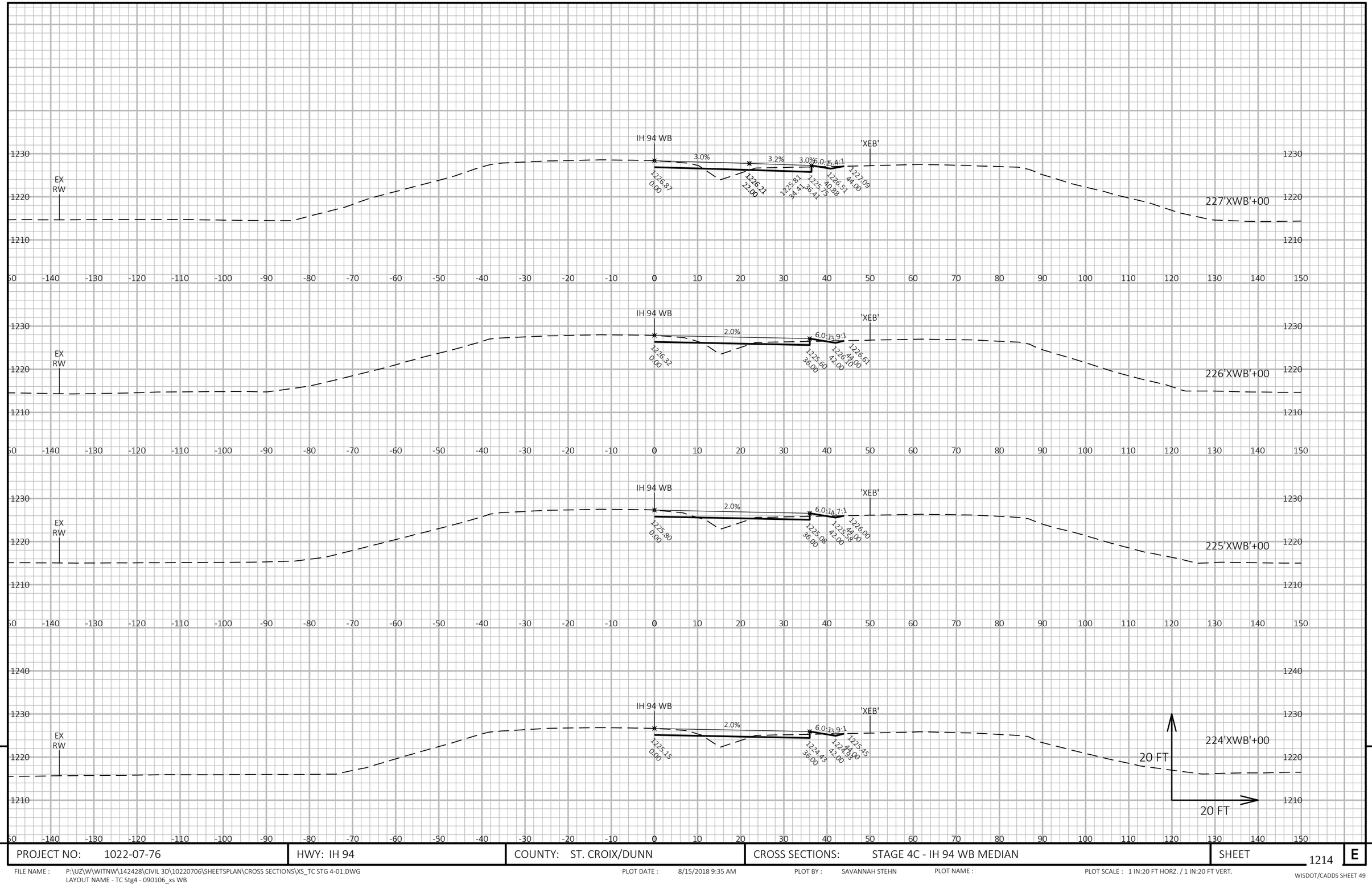
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - IH 94 WB MEDIAN	SHEET 1213	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - TC Stg4 - 090105_xs WB

PLOT DATE : 8/15/2018 9:35 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



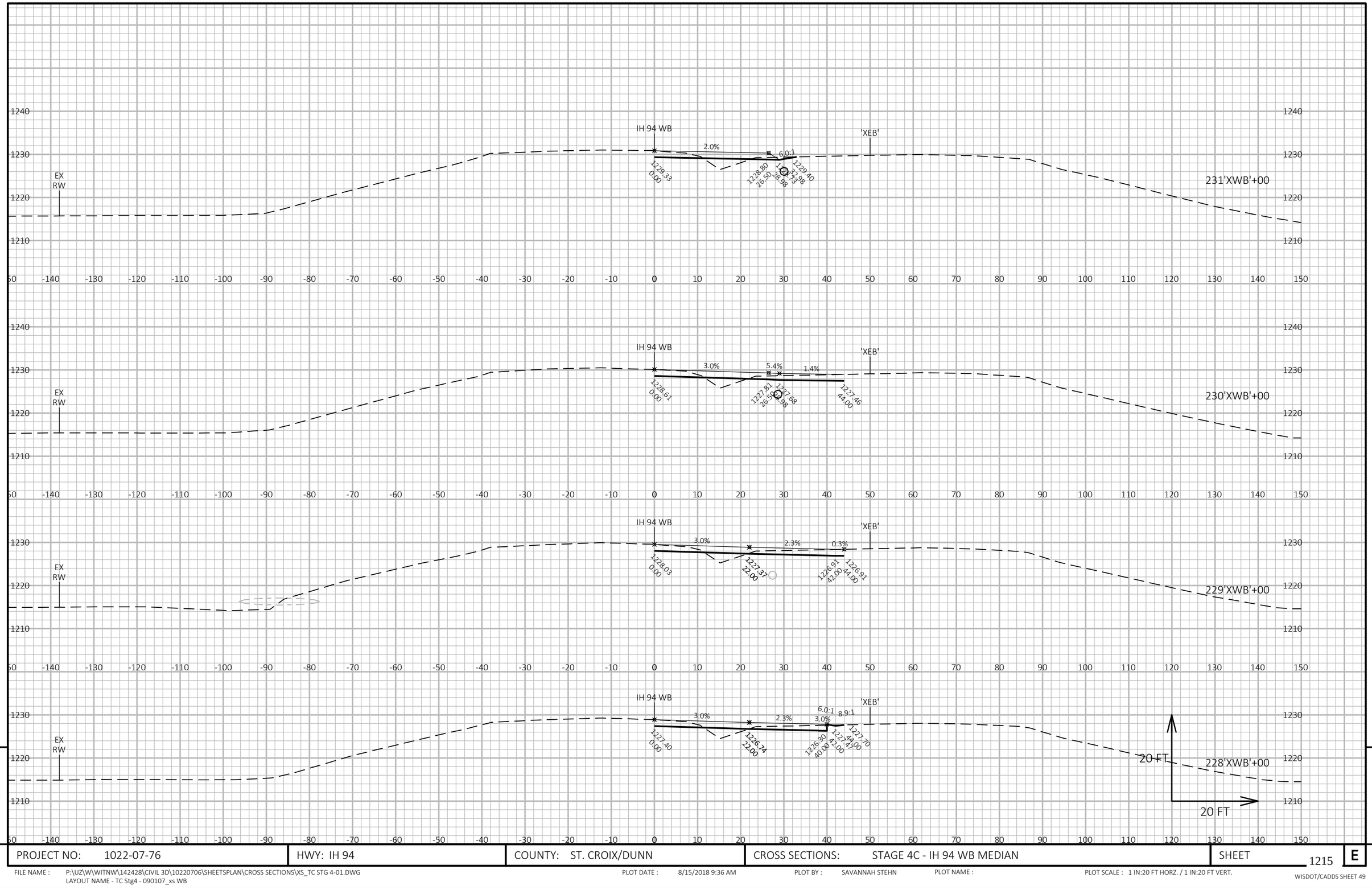
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - IH 94 WB MEDIAN	SHEET 1214	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - TC Stg4 - 090106_xs WB

PLOT DATE : 8/15/2018 9:35 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



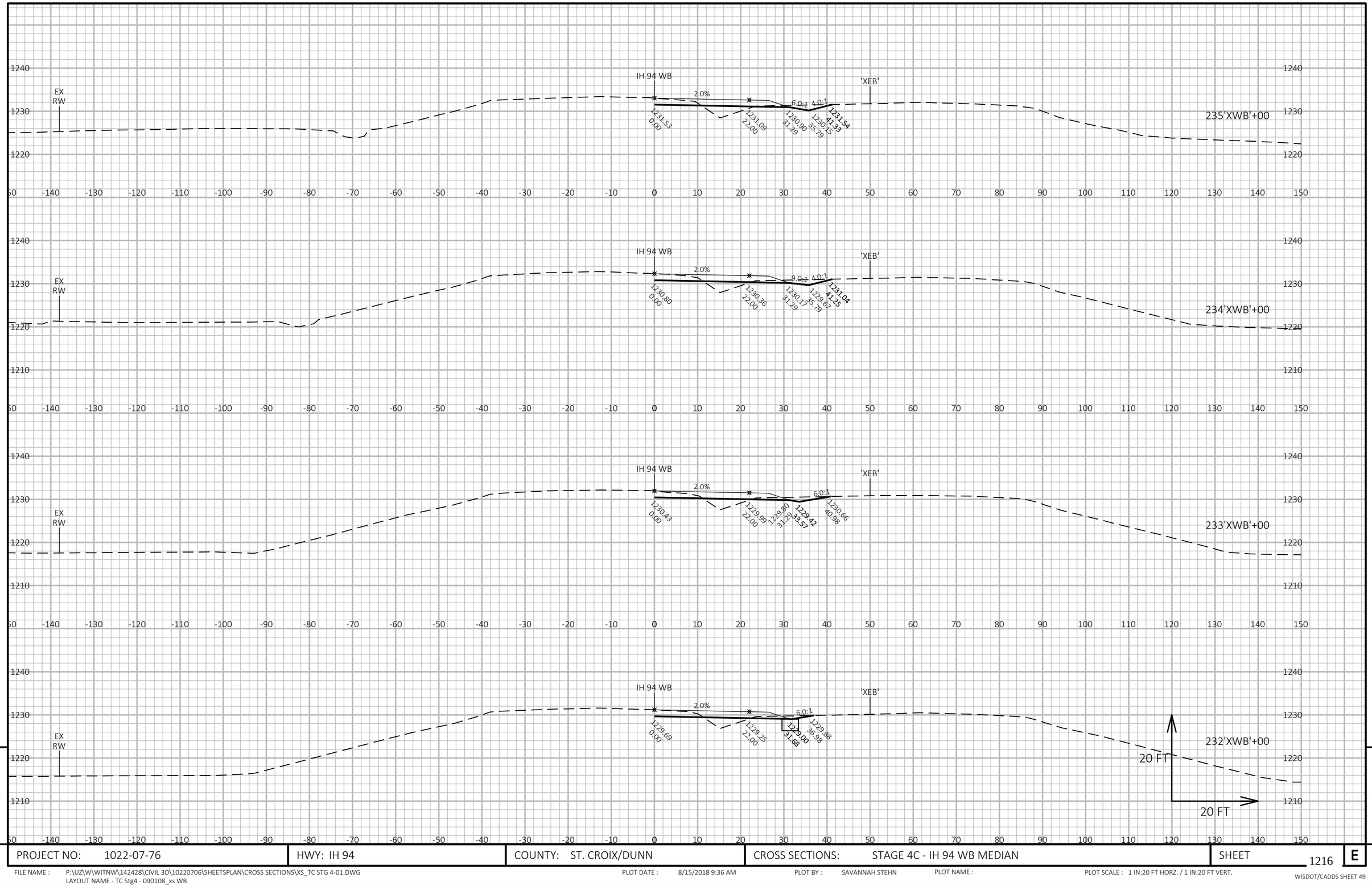
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - IH 94 WB MEDIAN	SHEET 1215	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - TC Stg4 - 090107_xs WB

PLOT DATE : 8/15/2018 9:36 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



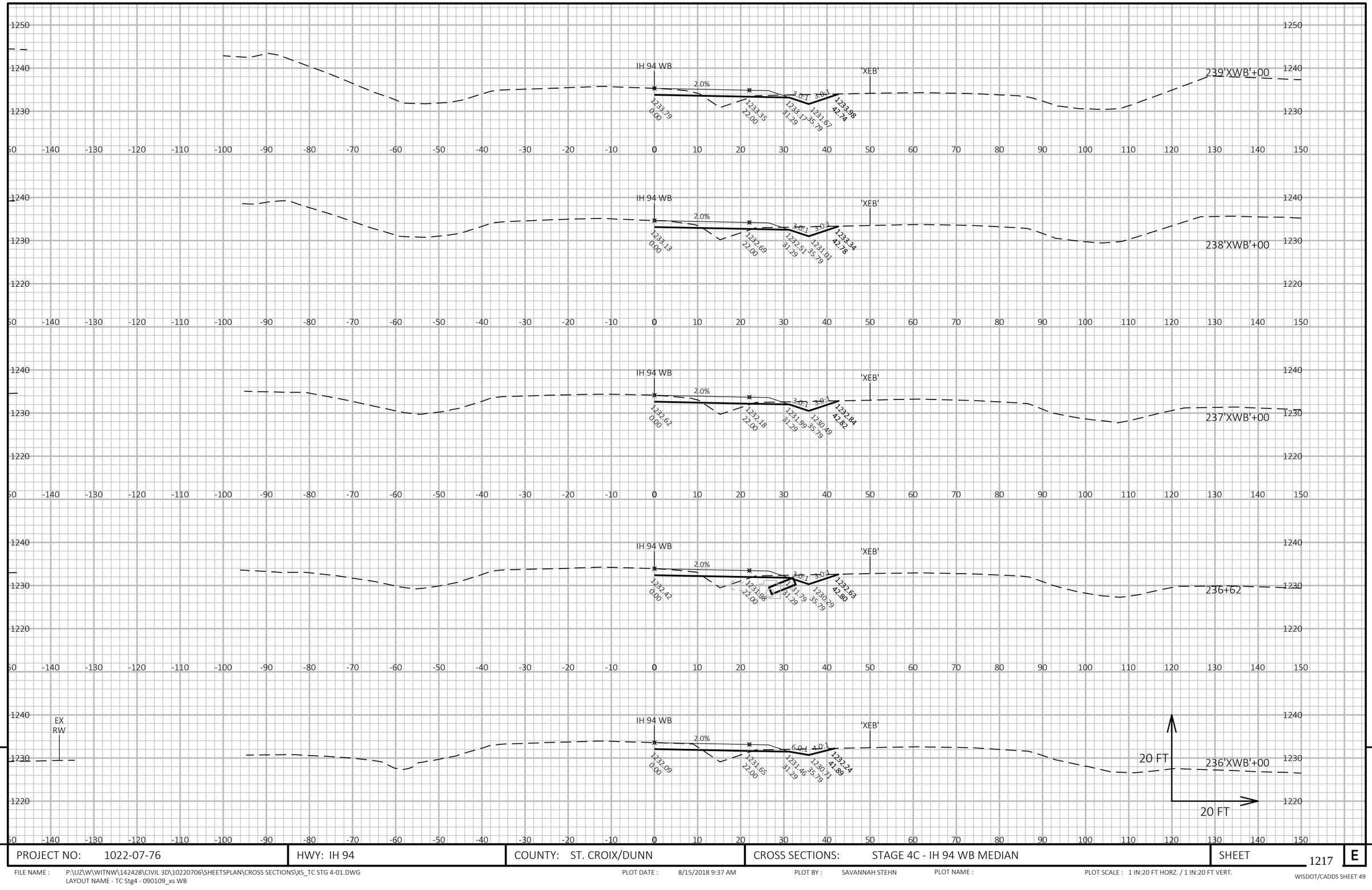
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - IH 94 WB MEDIAN	SHEET 1216 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - TC Stg4 - 090108_xs WB

PLOT DATE : 8/15/2018 9:36 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9



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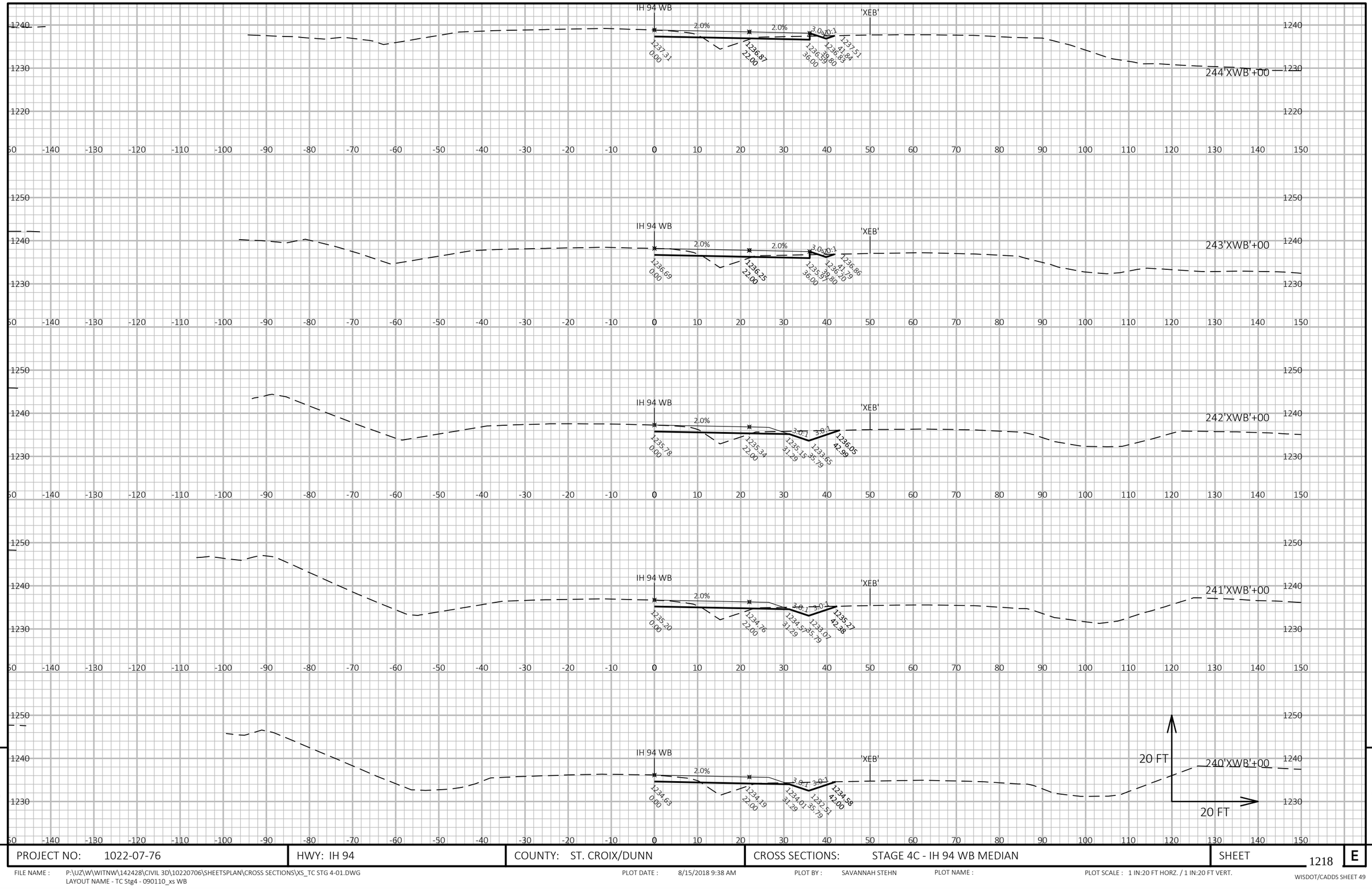
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - IH 94 WB MEDIAN	SHEET 1217	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - TC Stg4 - 090109_xs WB

PLOT DATE : 8/15/2018 9:37 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



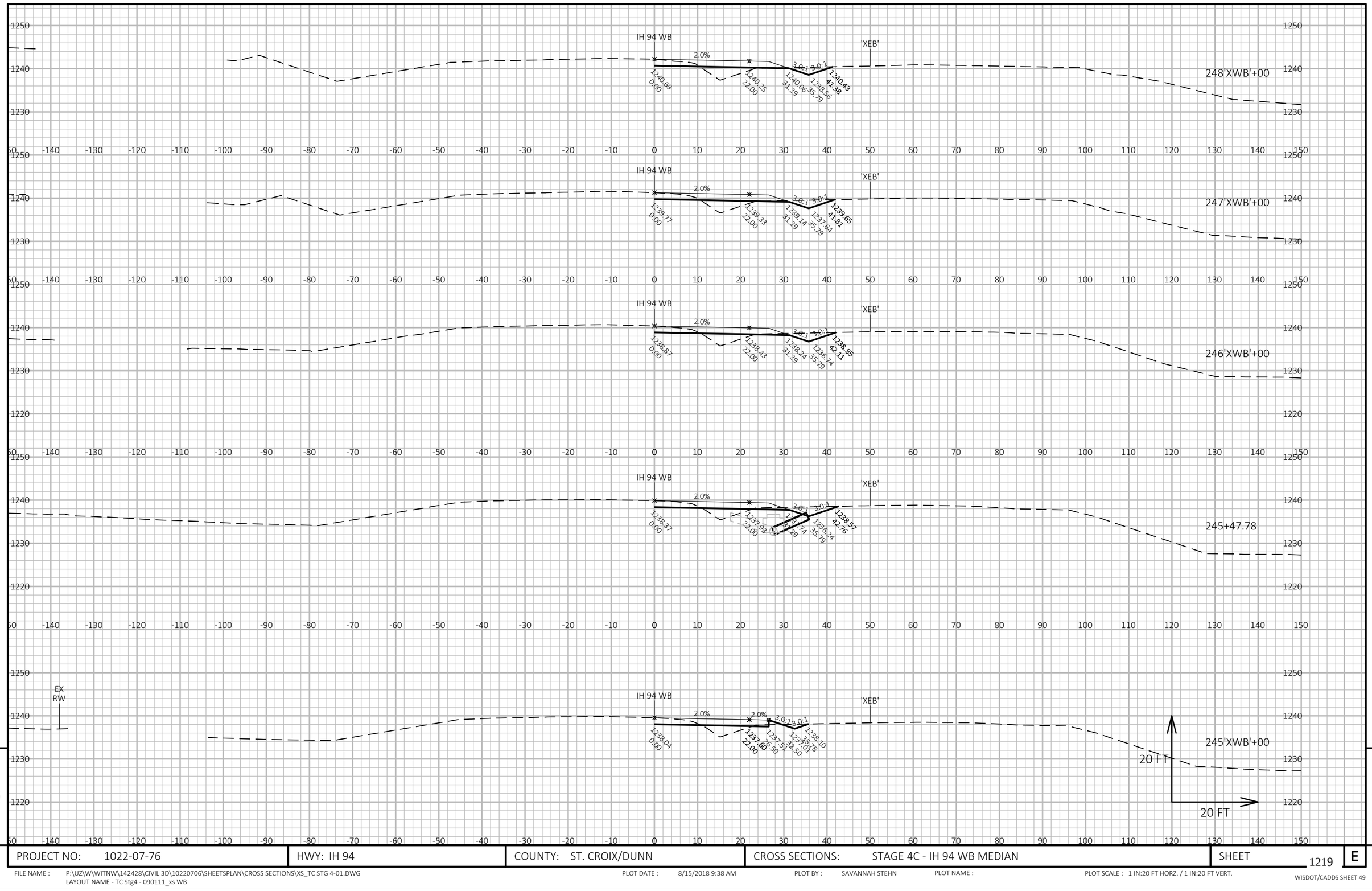
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - IH 94 WB MEDIAN	SHEET 1218 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - TC Stg4 - 090110_xs WB

PLOT DATE : 8/15/2018 9:38 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



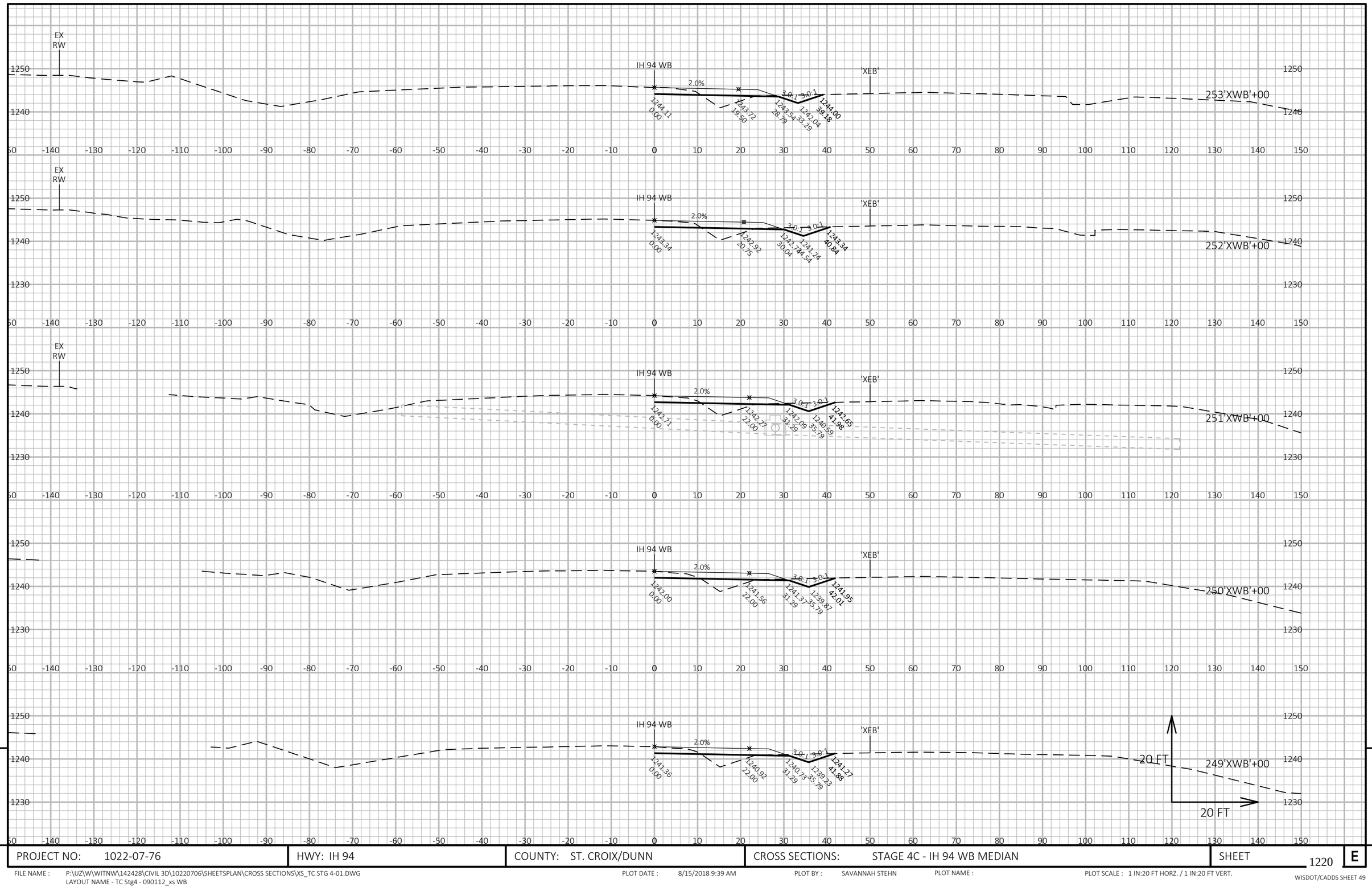
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - IH 94 WB MEDIAN	SHEET 1219	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - TC Stg4 - 090111_xs WB

PLOT DATE : 8/15/2018 9:38 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



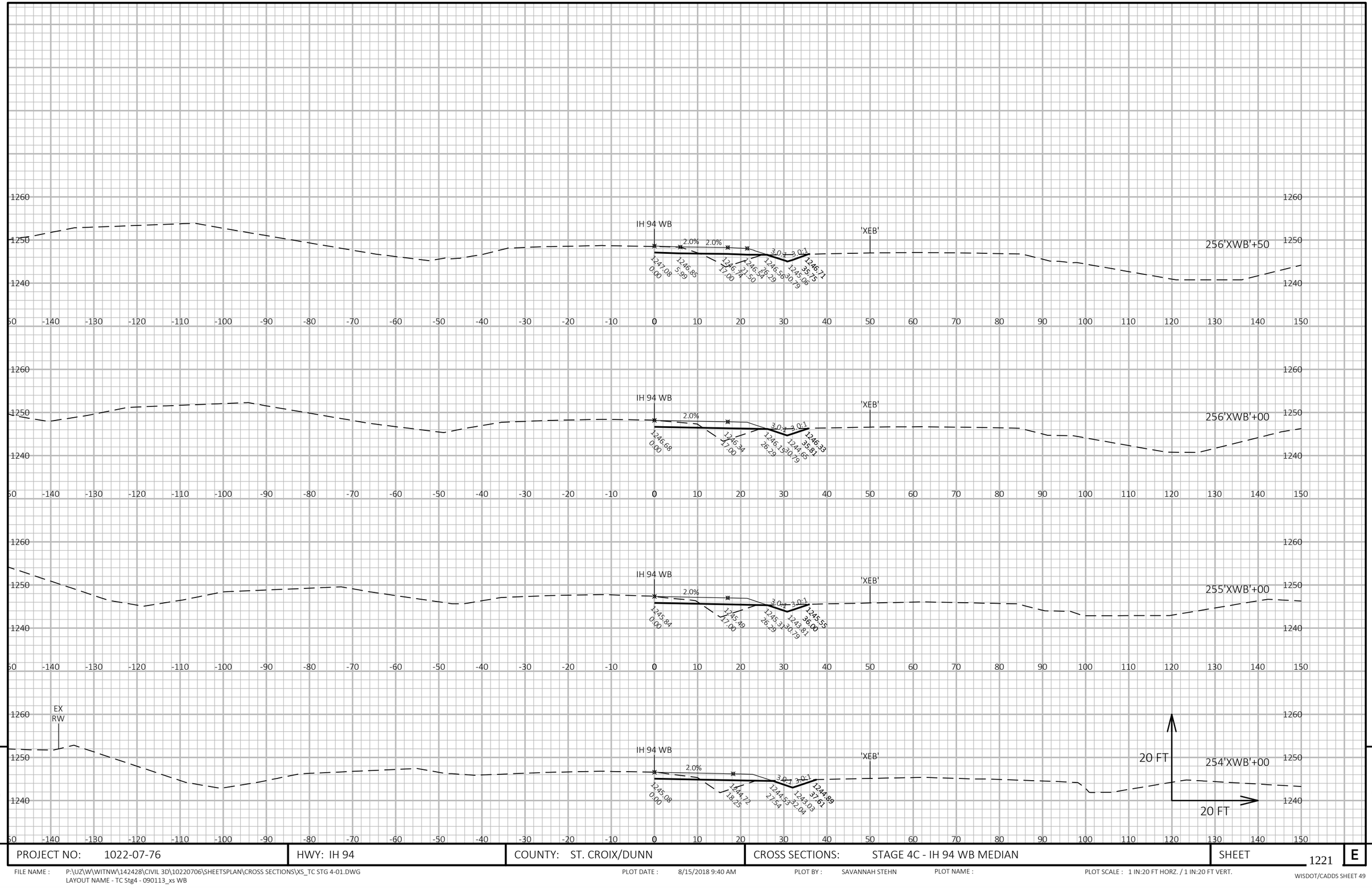
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - IH 94 WB MEDIAN	SHEET 1220	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - TC Stg4 - 090112_xs WB

PLOT DATE : 8/15/2018 9:39 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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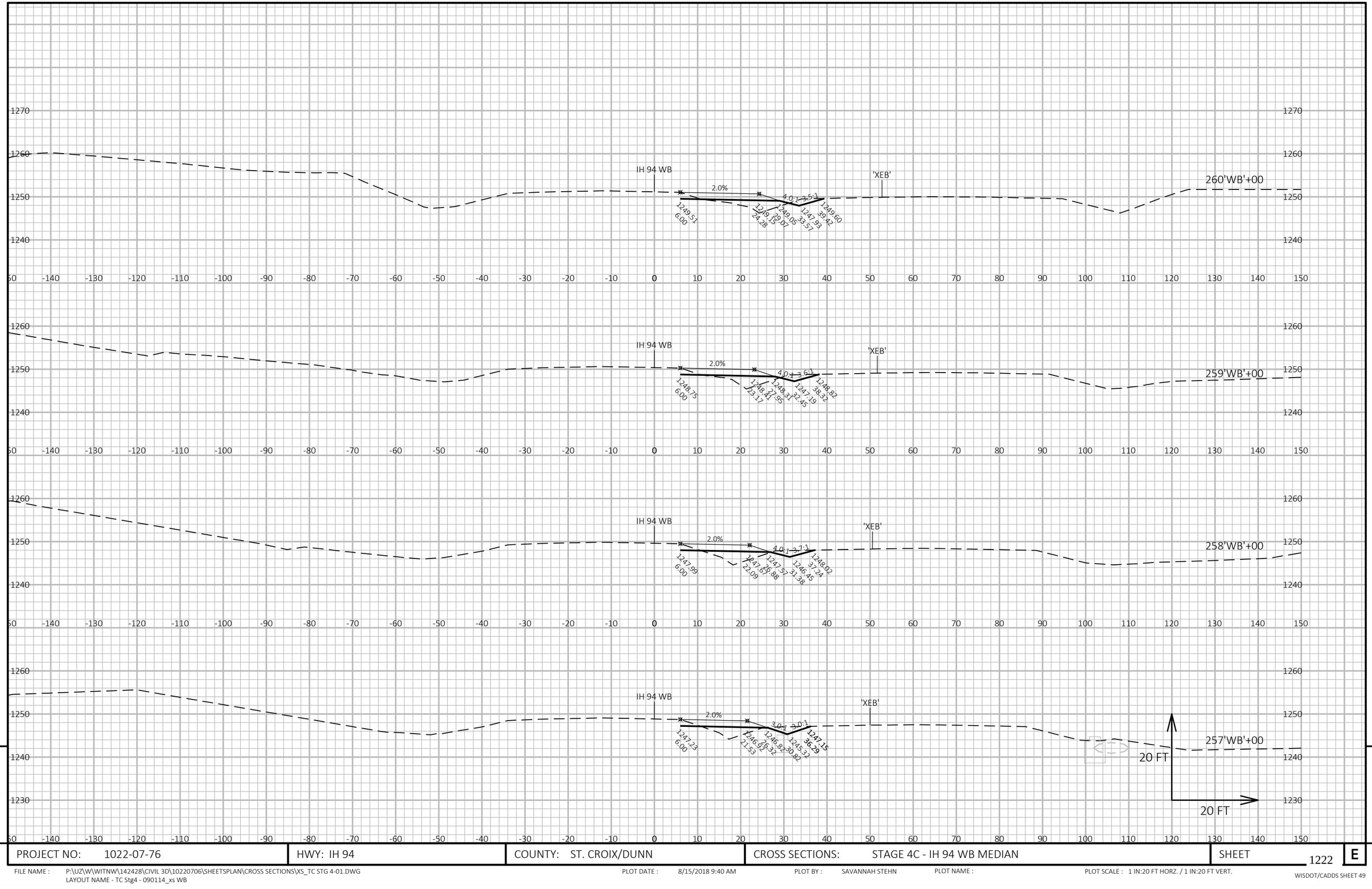
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - IH 94 WB MEDIAN	SHEET 1221	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - TC Stg4 - 090113_xs WB

PLOT DATE : 8/15/2018 9:40 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



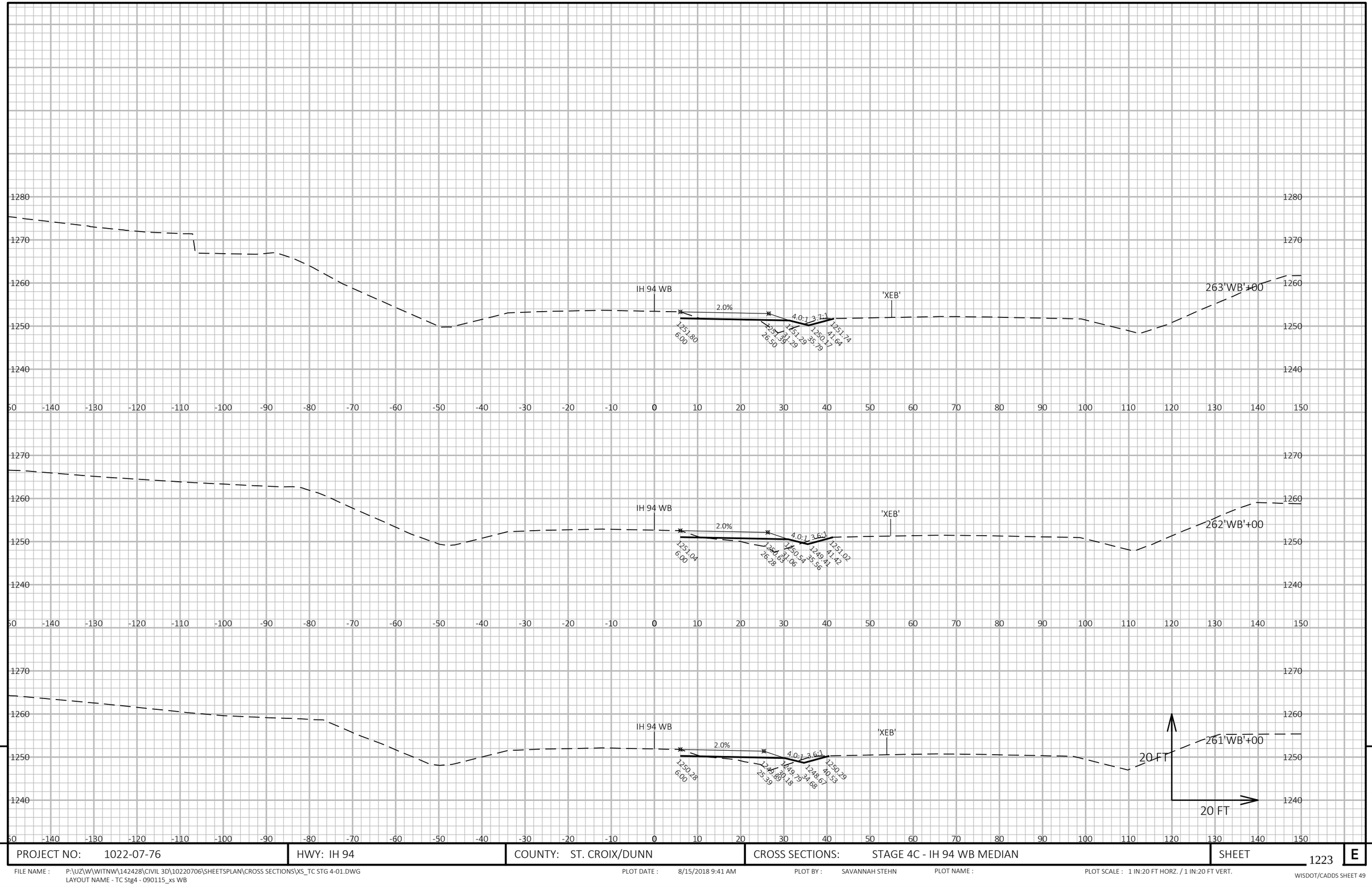
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - IH 94 WB MEDIAN	SHEET 1222	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - TC Stg4 - 090114_xs WB

PLOT DATE : 8/15/2018 9:40 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



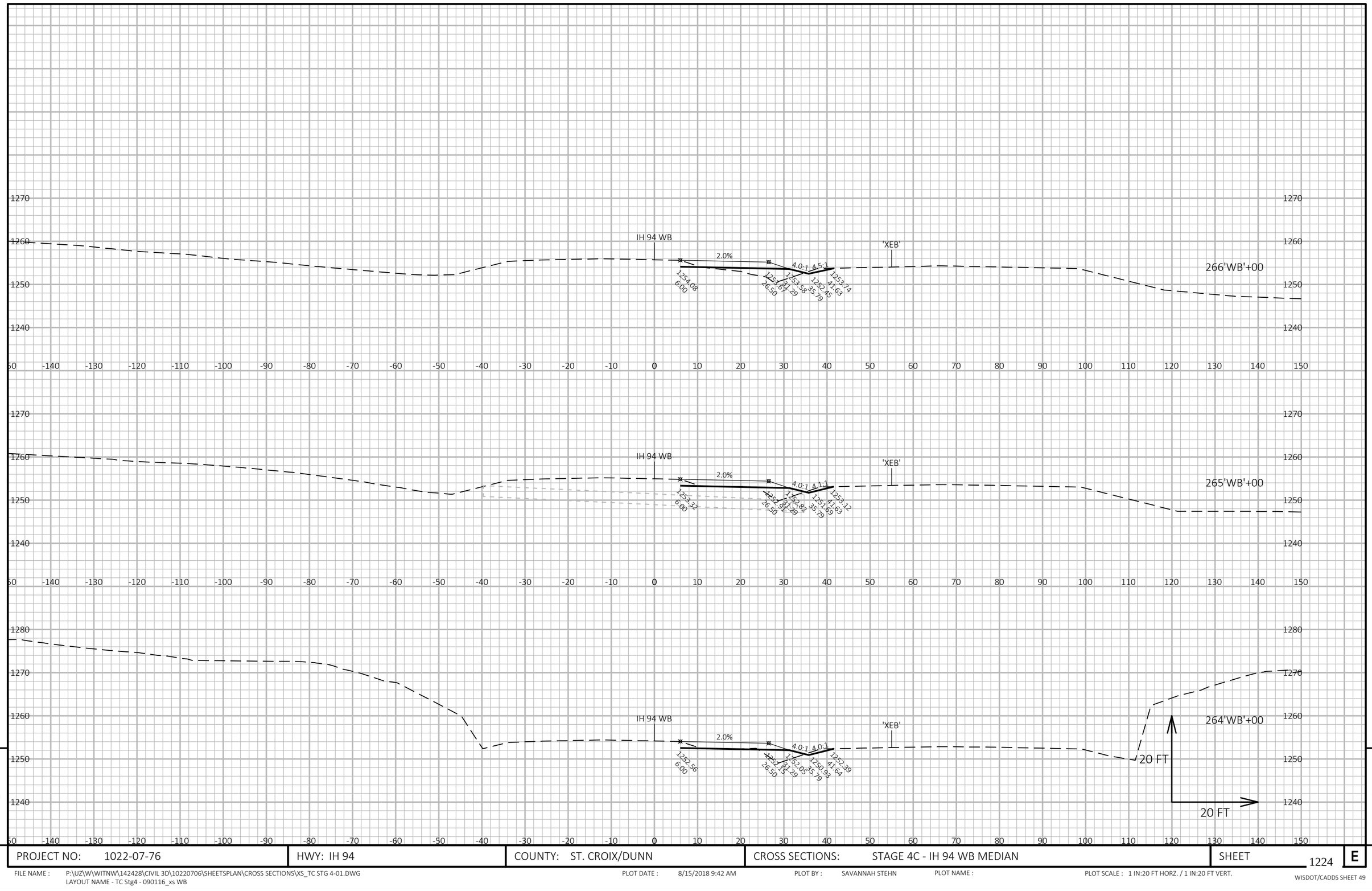
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - IH 94 WB MEDIAN	SHEET 1223	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - TC Stg4 - 090115_xs WB

PLOT DATE : 8/15/2018 9:41 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

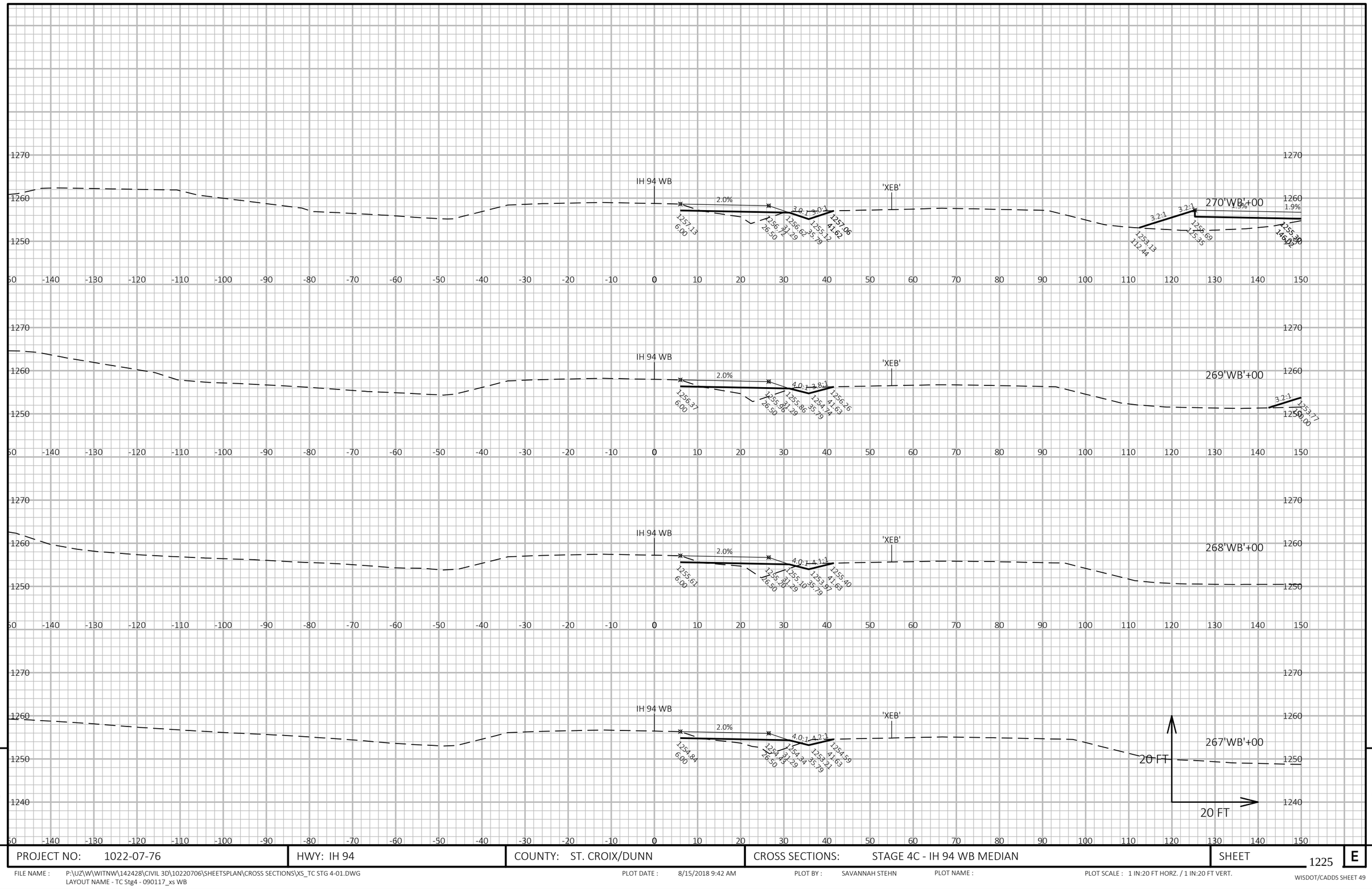


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - IH 94 WB MEDIAN	SHEET 1224	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - TC Stg4 - 090116_xs WB

PLOT DATE : 8/15/2018 9:42 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



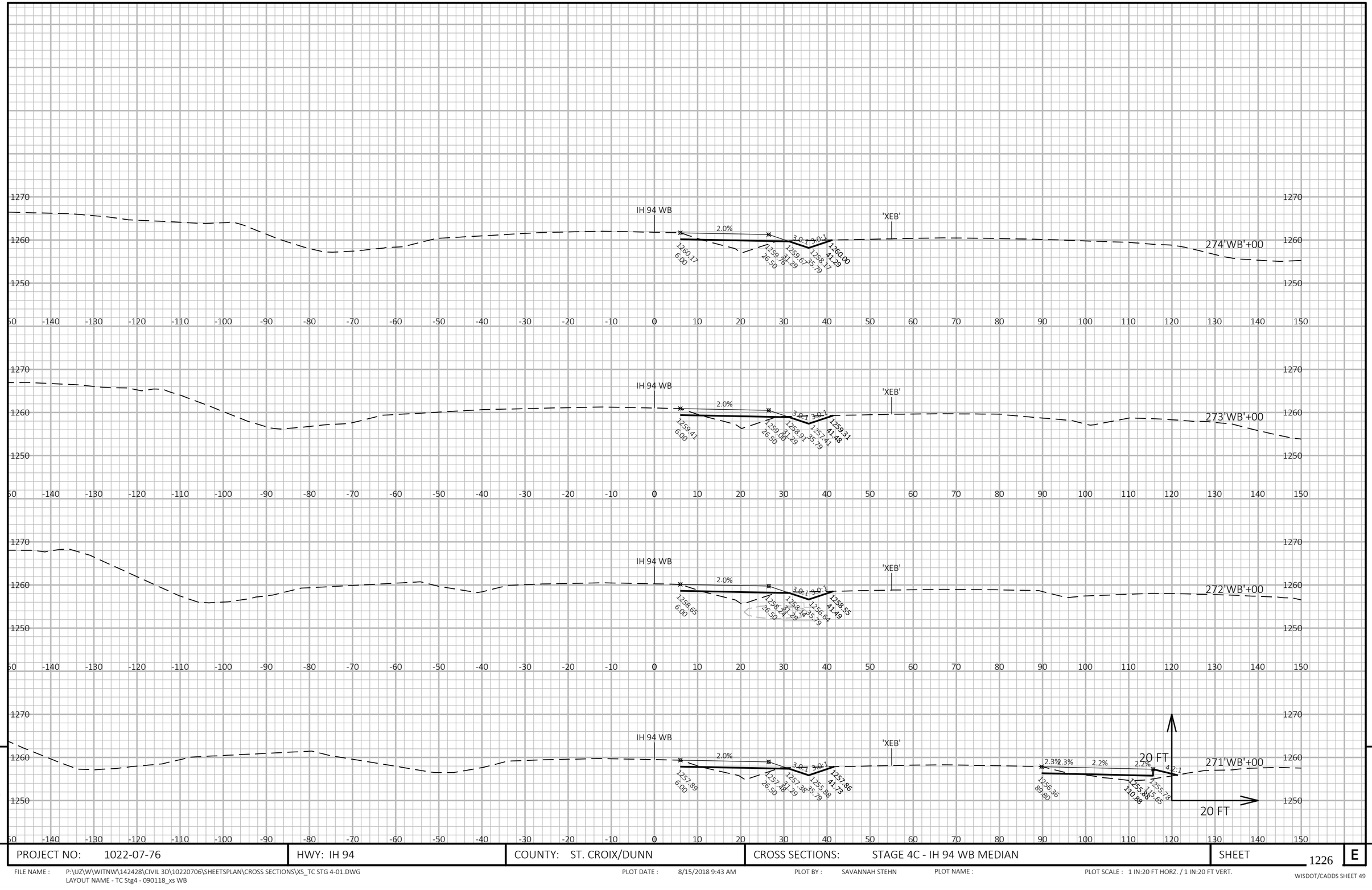
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - IH 94 WB MEDIAN	SHEET 1225	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - TC Stg4 - 090117_xs WB

PLOT DATE : 8/15/2018 9:42 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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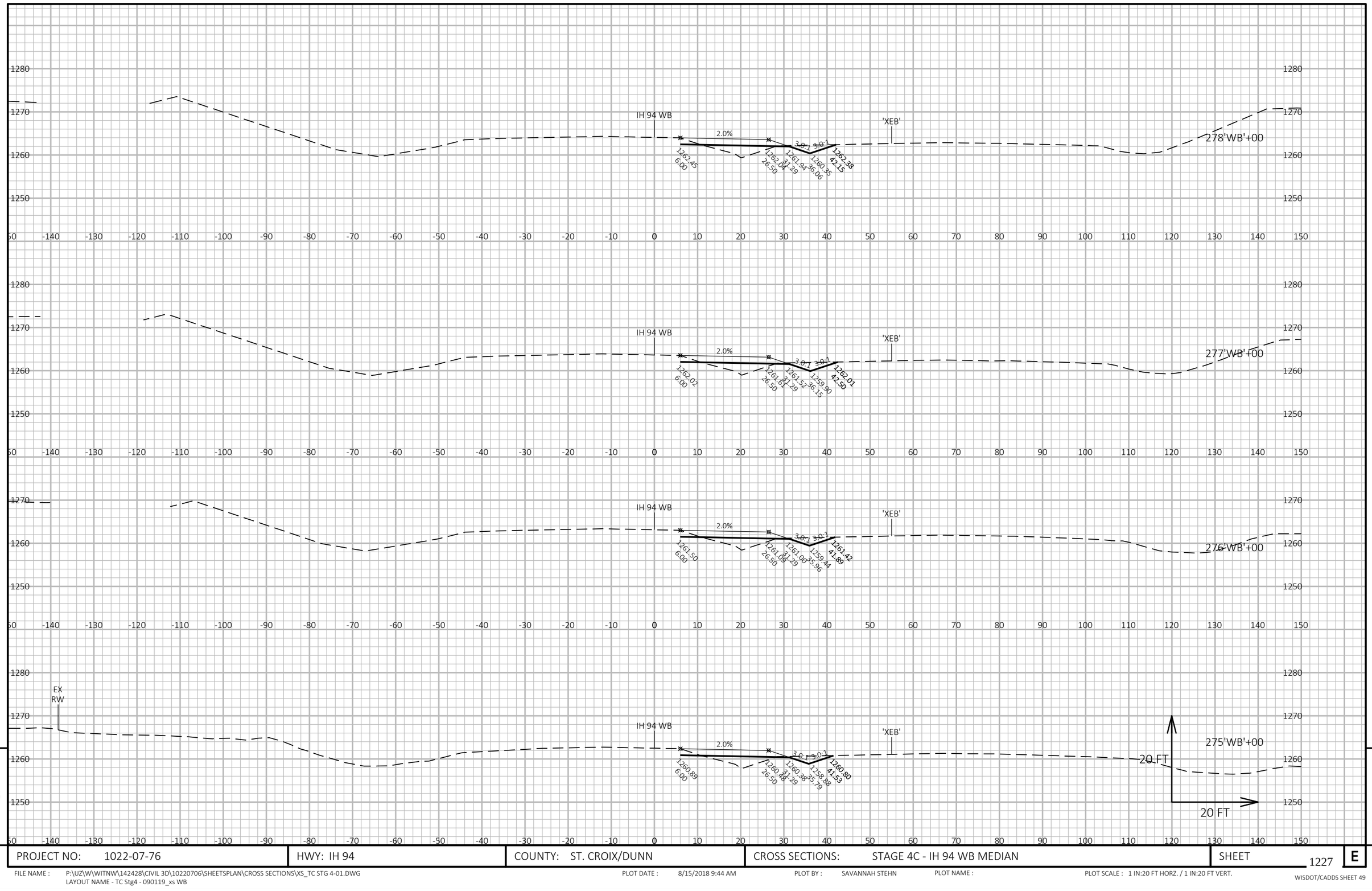
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - IH 94 WB MEDIAN	SHEET 1226	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - TC Stg4 - 090118_xs WB

PLOT DATE : 8/15/2018 9:43 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

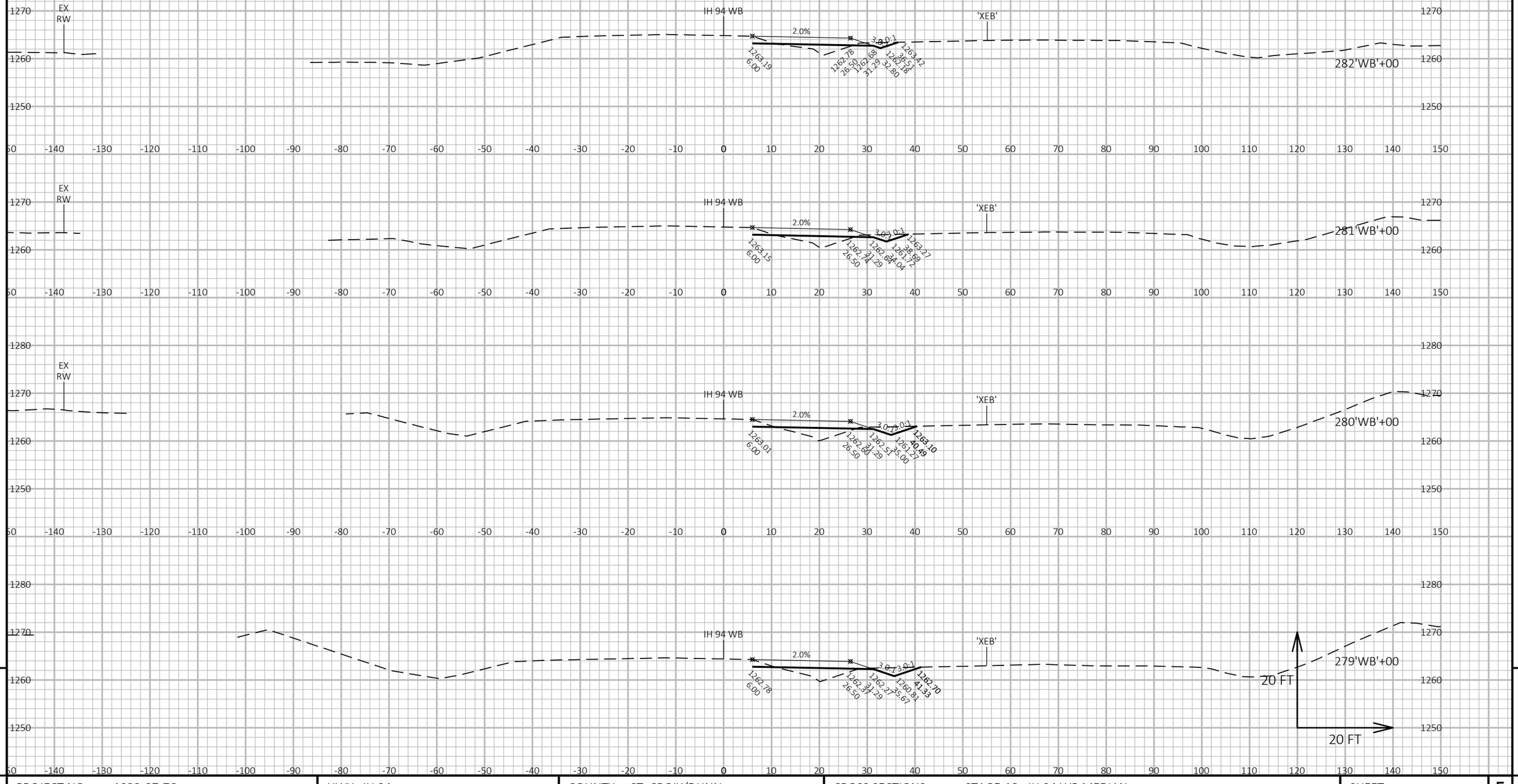


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - IH 94 WB MEDIAN	SHEET 1227	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - TC Stg4 - 090119_xs WB

PLOT DATE : 8/15/2018 9:44 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



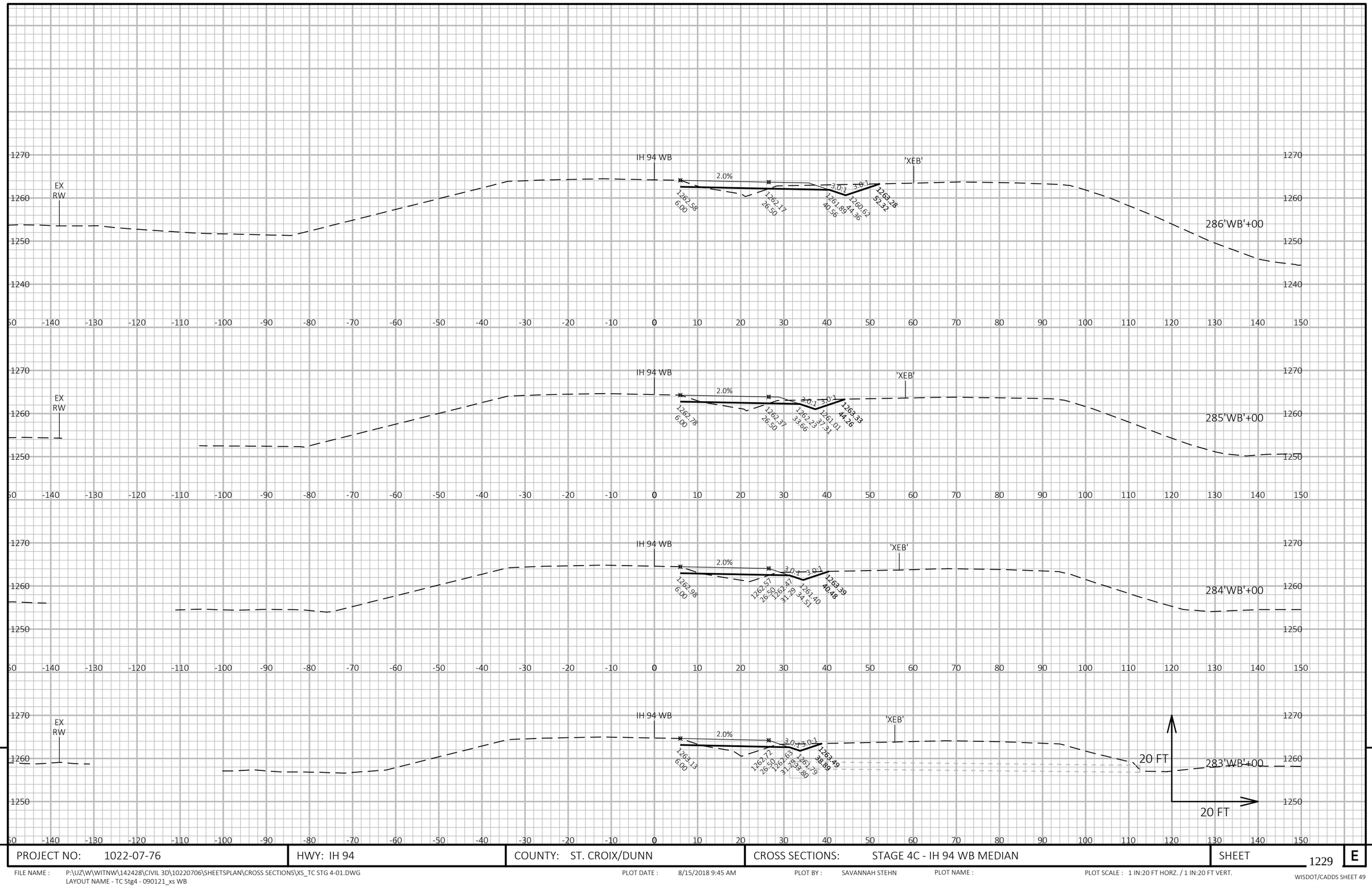
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - IH 94 WB MEDIAN	SHEET 1228	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - TC Stg4 - 090120_xs WB

PLOT DATE : 8/15/2018 9:44 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



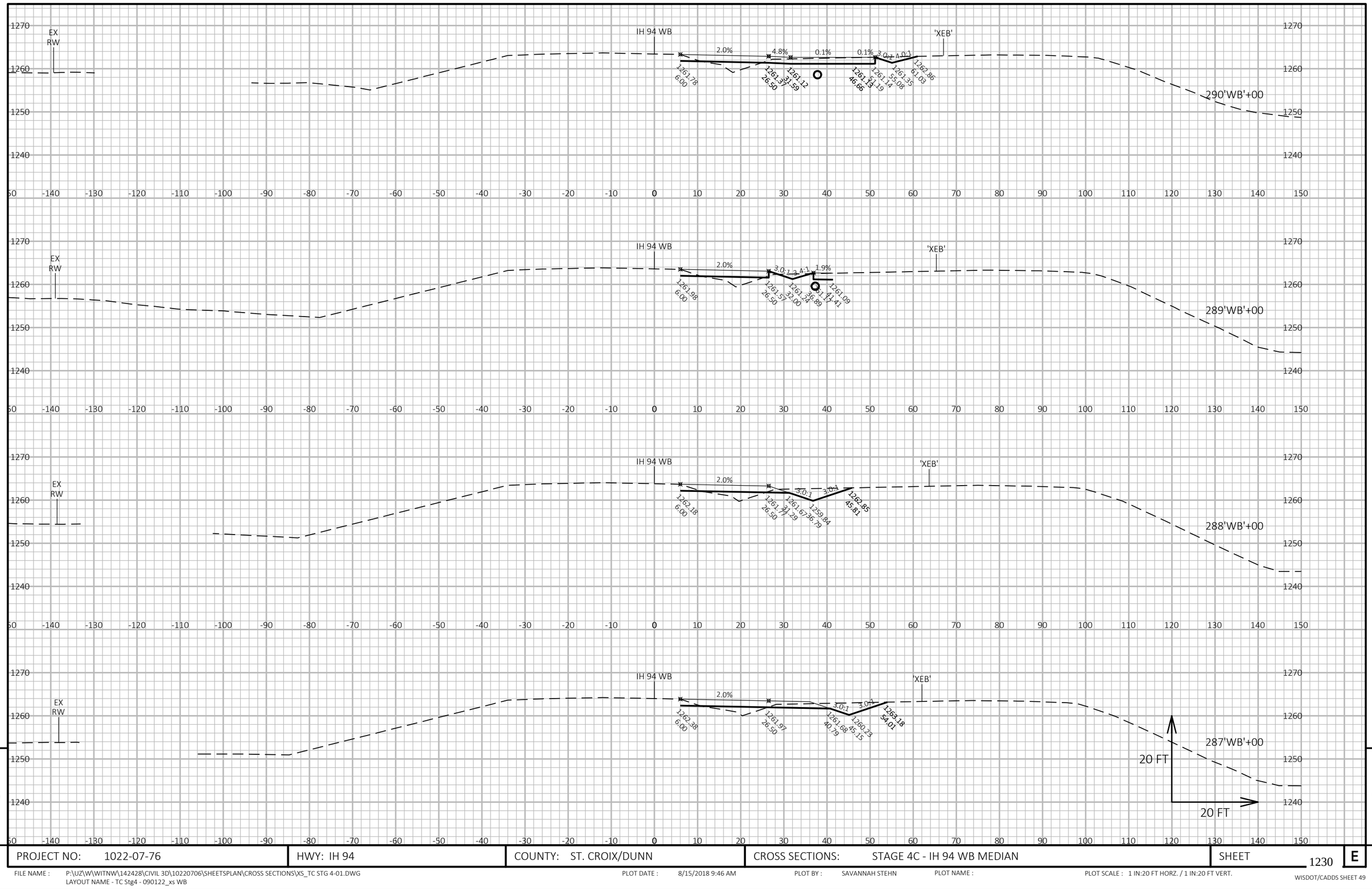
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - IH 94 WB MEDIAN	SHEET 1229	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - TC Stg4 - 090121_xs WB

PLOT DATE : 8/15/2018 9:45 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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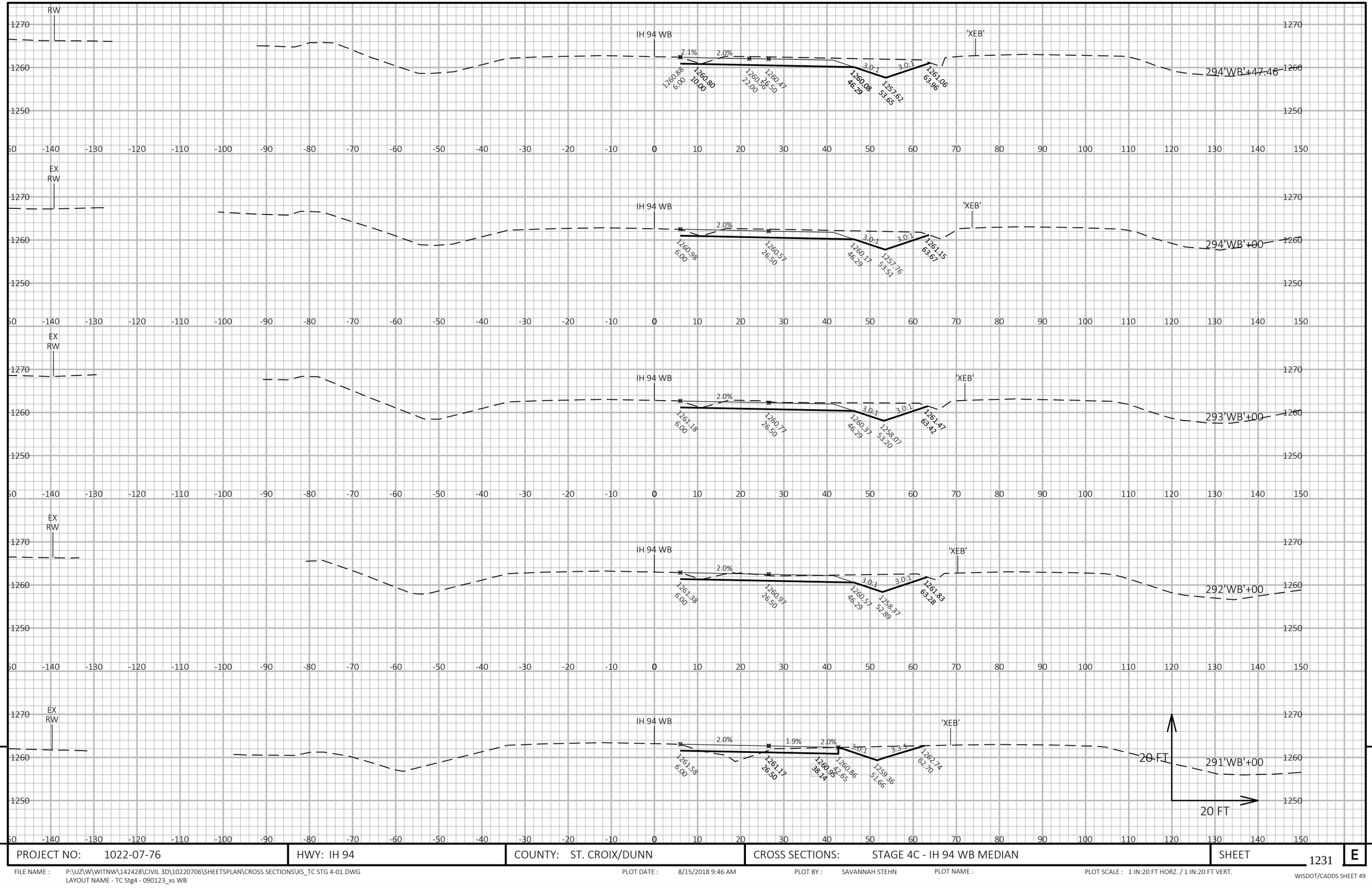
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - IH 94 WB MEDIAN	SHEET 1230	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - TC Stg4 - 090122_xs WB

PLOT DATE : 8/15/2018 9:46 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

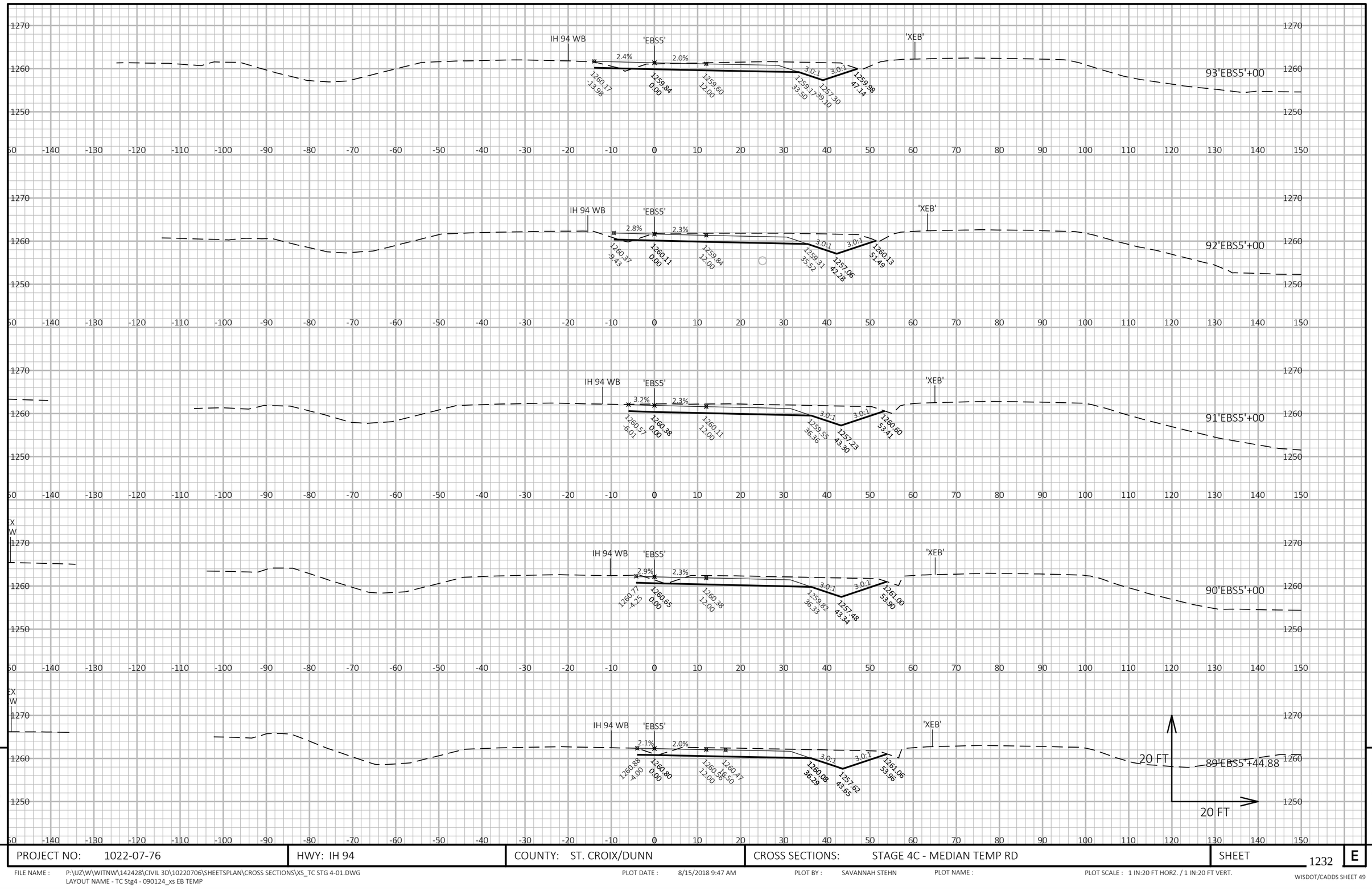


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - IH 94 WB MEDIAN	SHEET 1231 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - TC Stg4 - 090123_xs WB

PLOT DATE : 8/15/2018 9:46 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

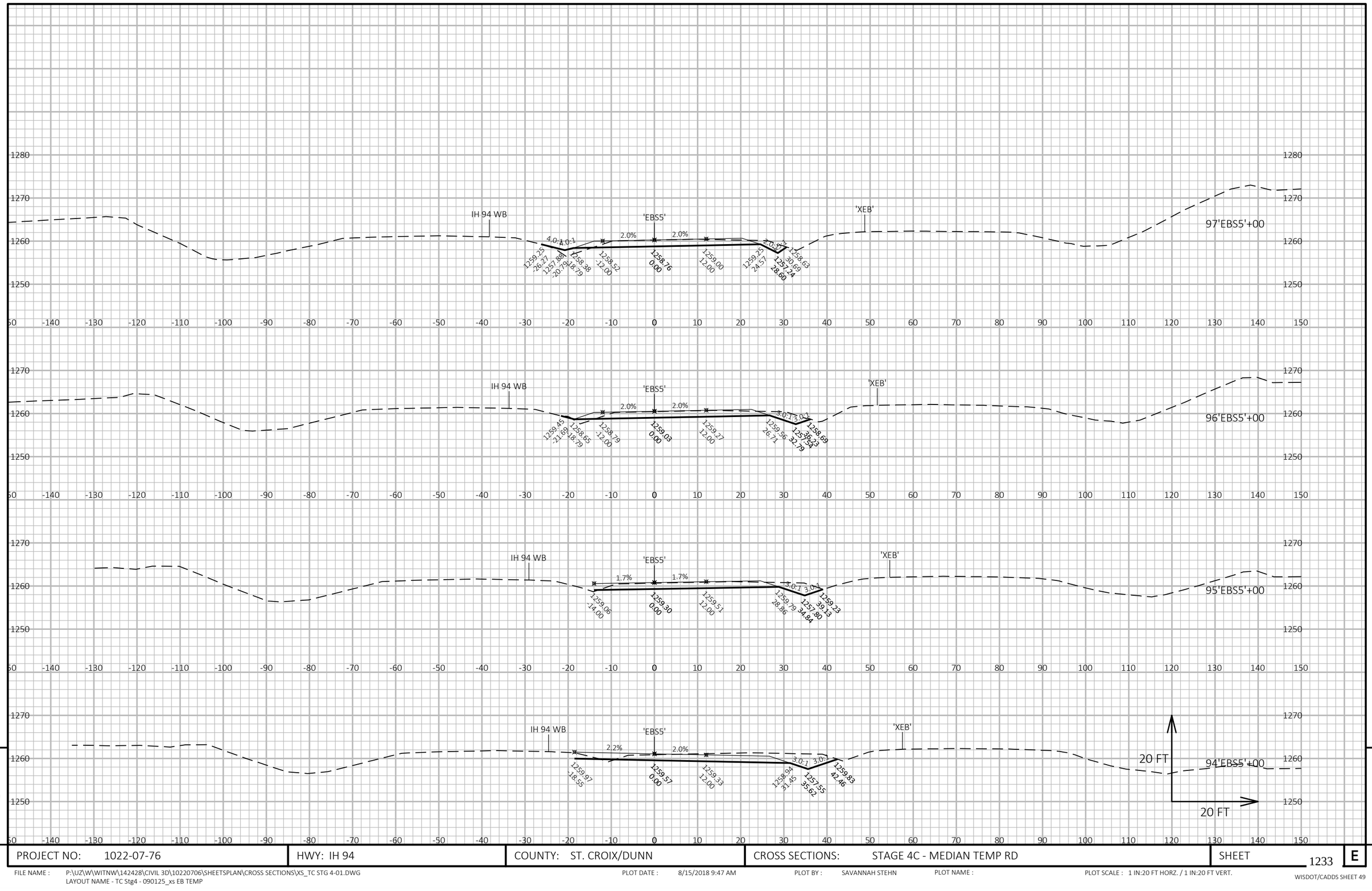


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1232 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - TC Stg4 - 090124_xs EB TEMP

PLOT DATE : 8/15/2018 9:47 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



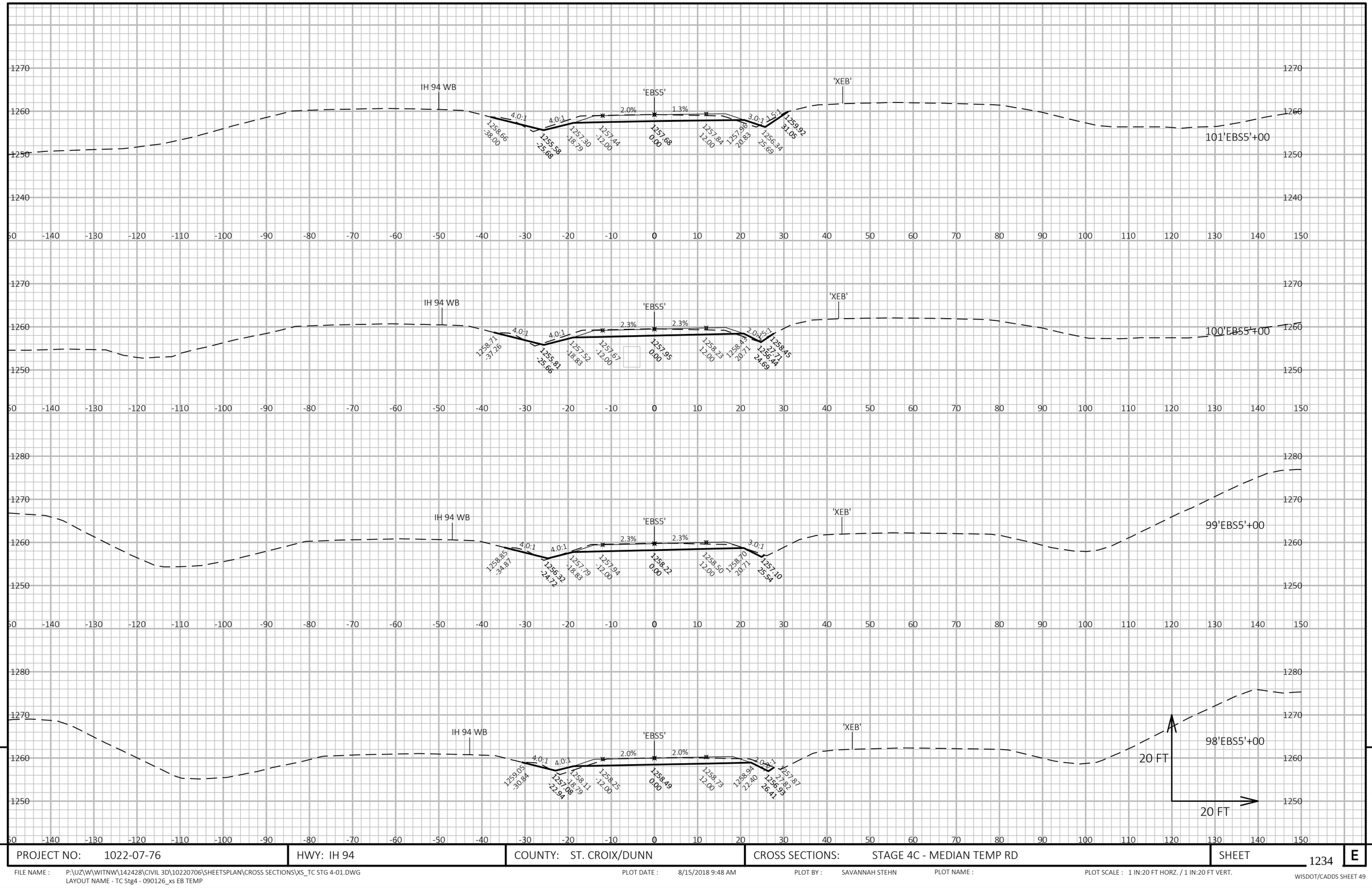
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1233	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - TC Stg4 - 090125_xs EB TEMP

PLOT DATE : 8/15/2018 9:47 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



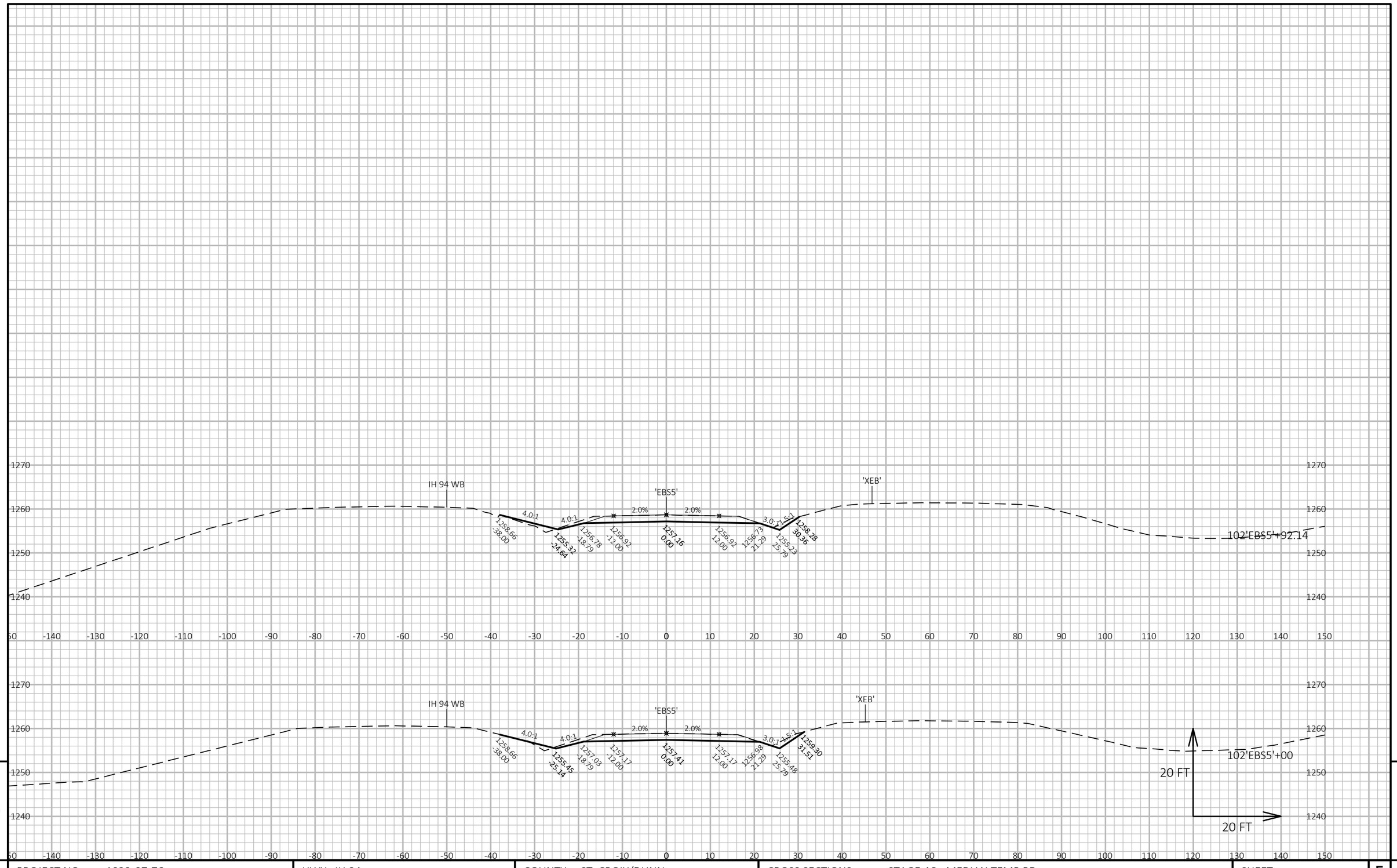
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1234 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - TC Stg4 - 090126_xs EB TEMP

PLOT DATE : 8/15/2018 9:48 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



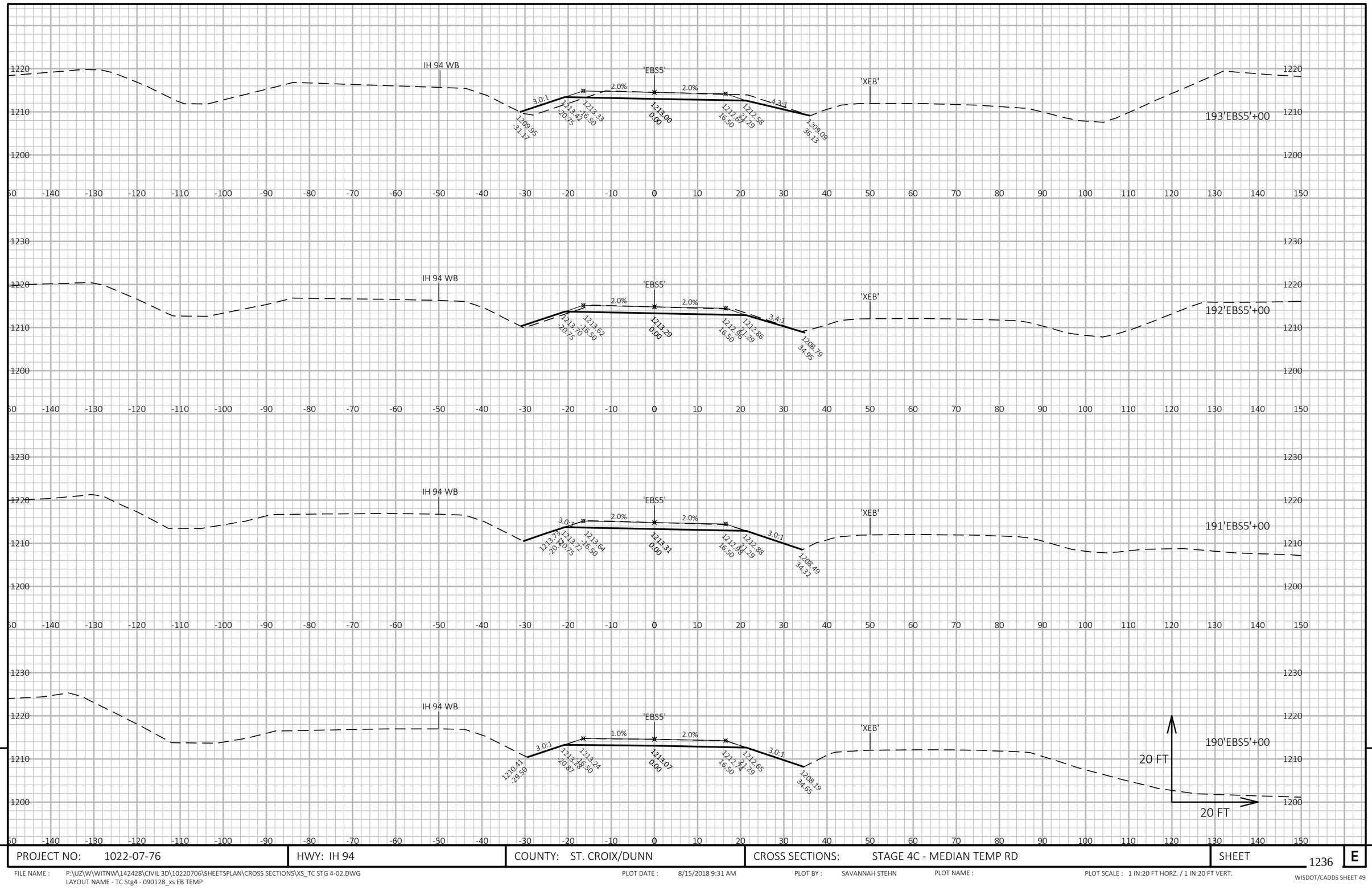
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1235	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - TC Stg4 - 090127_xs EB TEMP

PLOT DATE : 8/15/2018 9:49 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



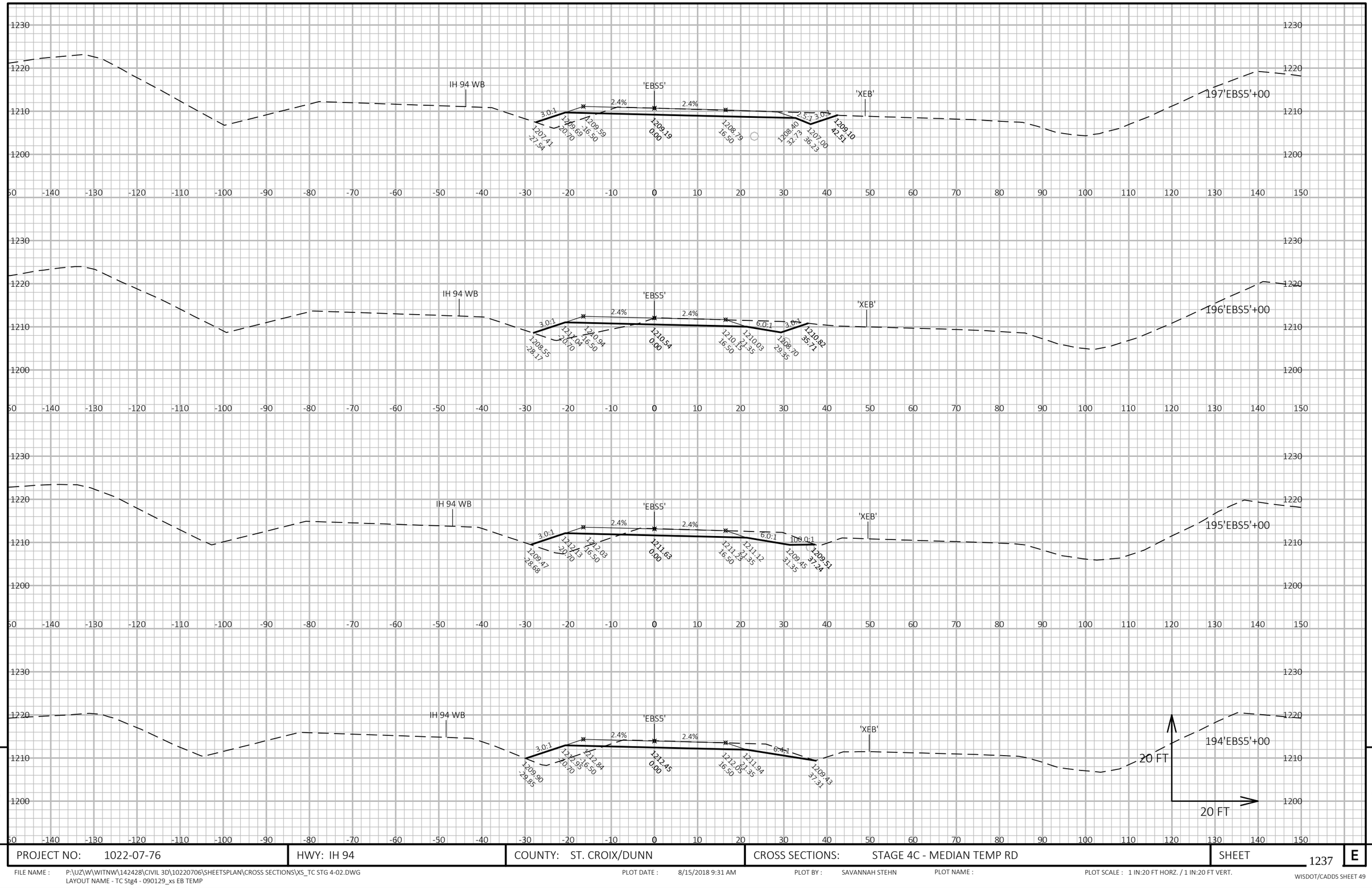
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1236	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090128_xs EB TEMP

PLOT DATE : 8/15/2018 9:31 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



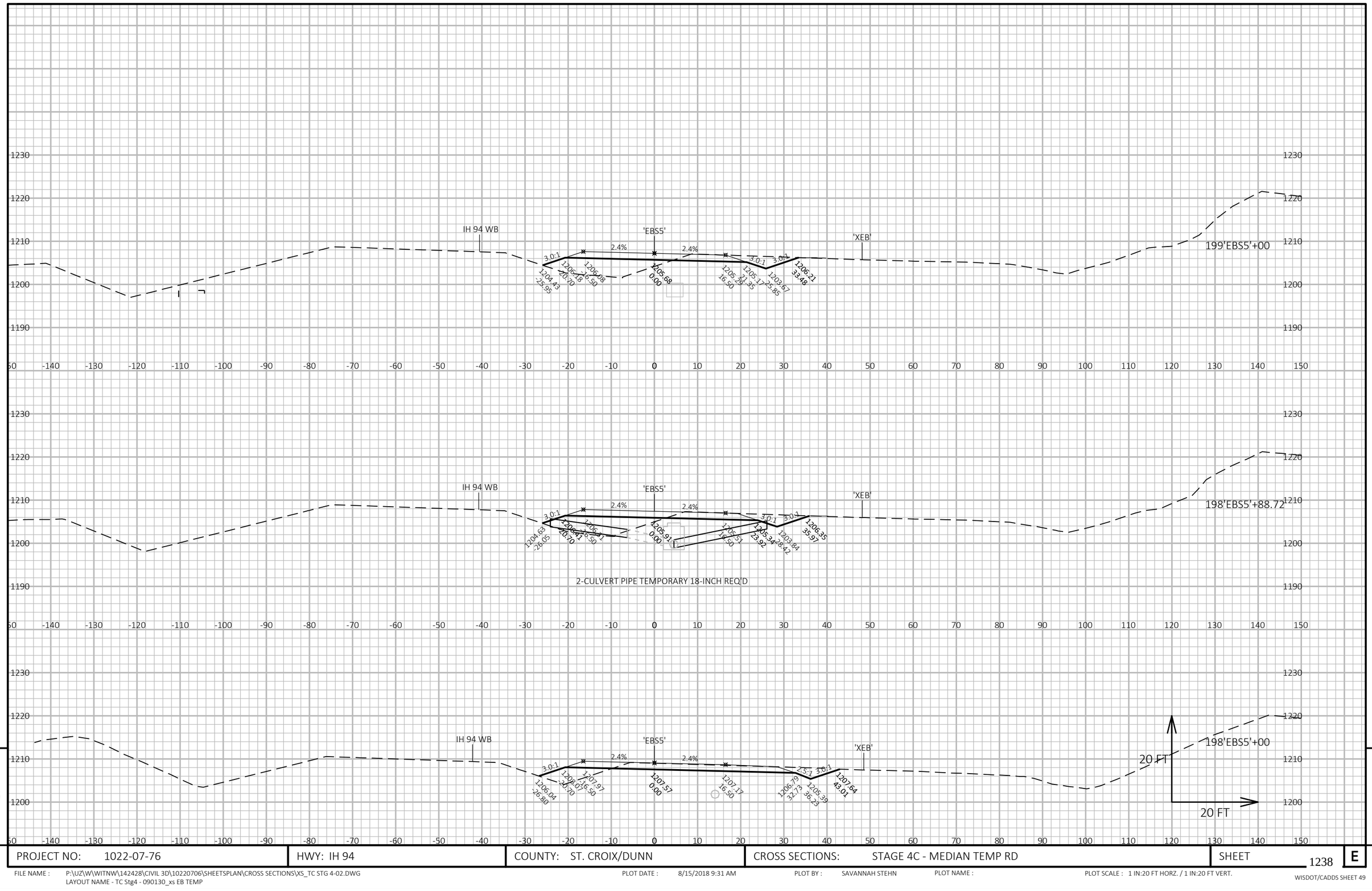
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1237	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090129_xs EB TEMP

PLOT DATE : 8/15/2018 9:31 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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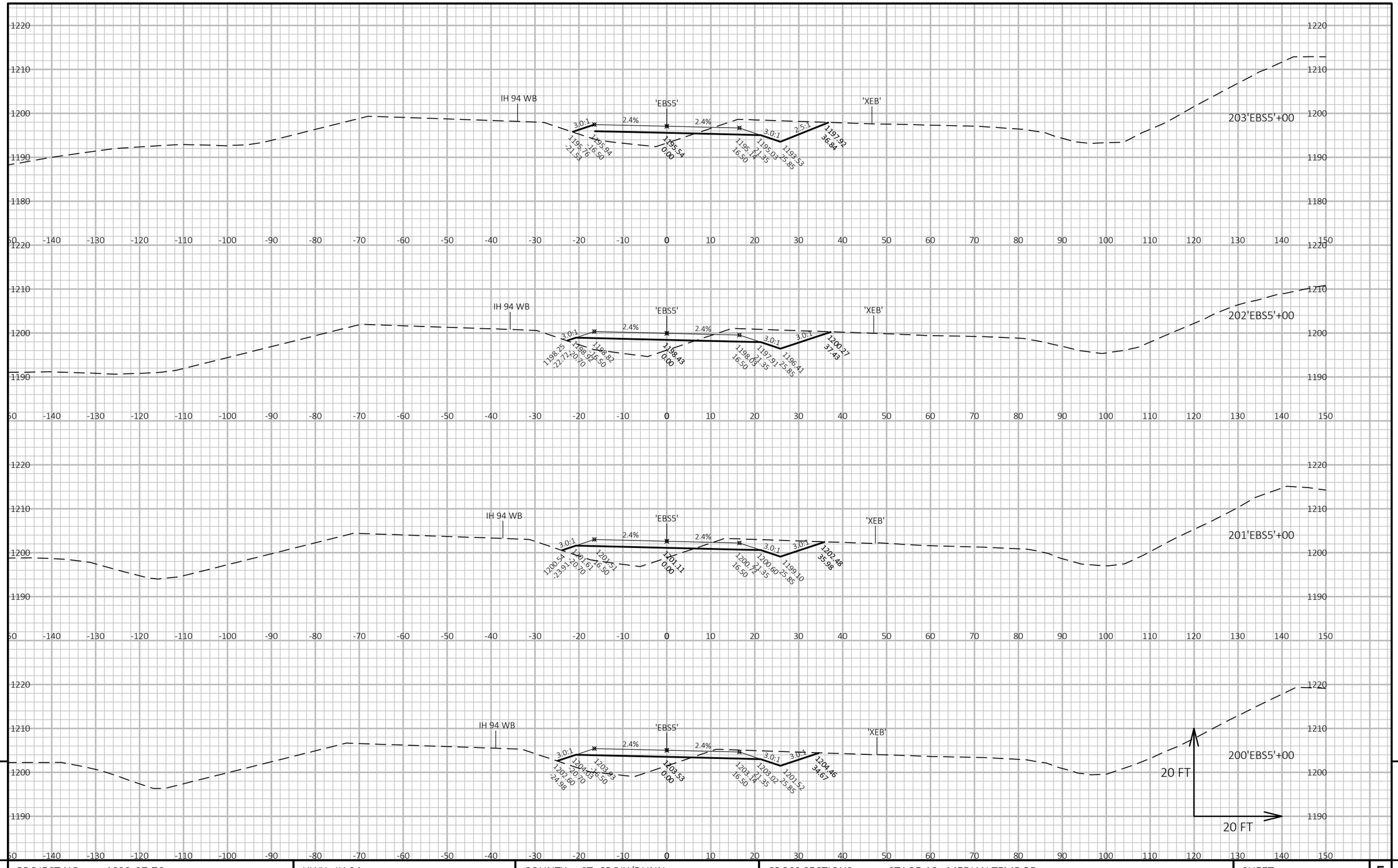
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1238	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090130_xs EB TEMP

PLOT DATE : 8/15/2018 9:31 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



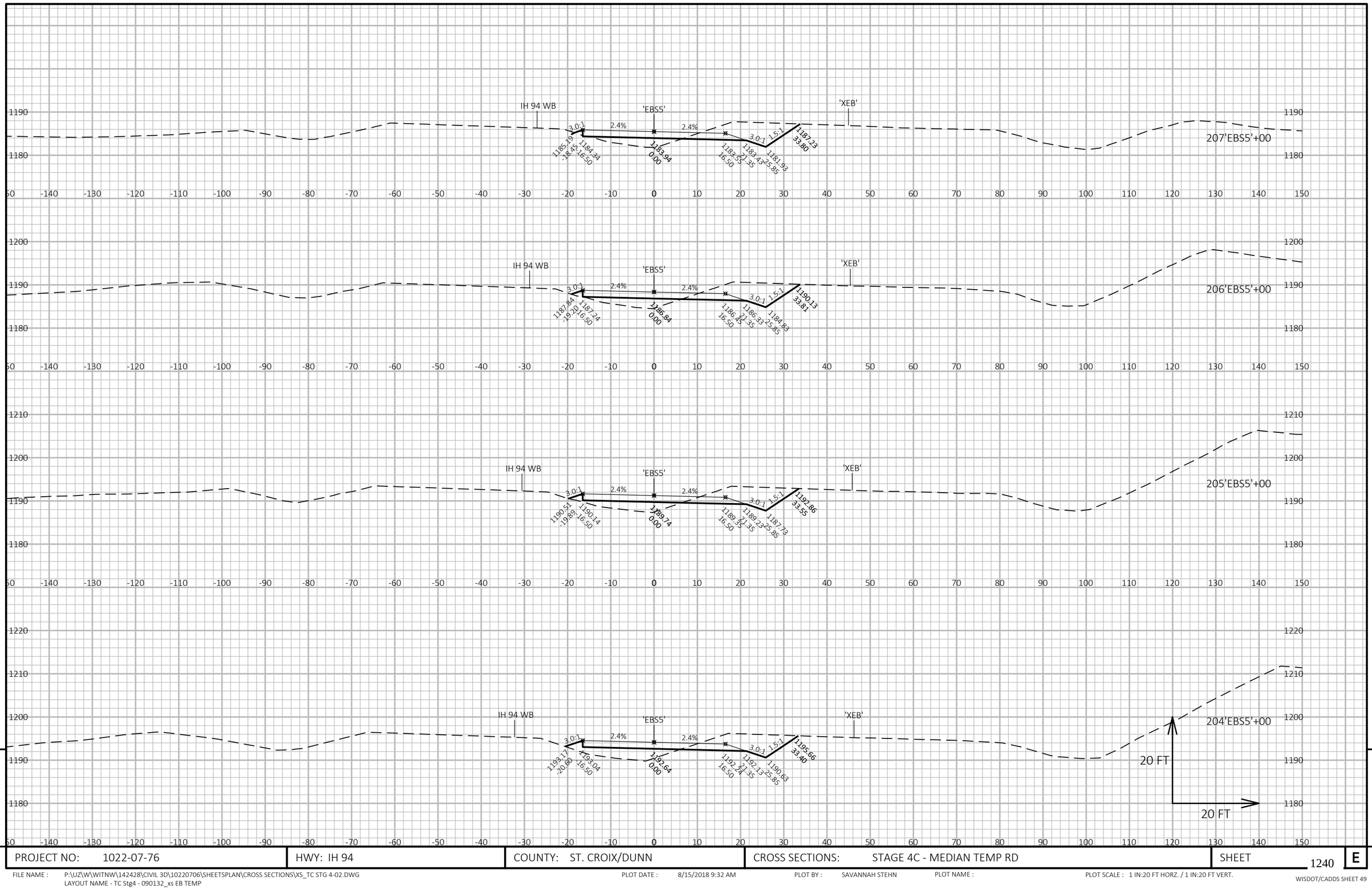
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1239	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090131_xs EB TEMP

PLOT DATE : 8/15/2018 9:32 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



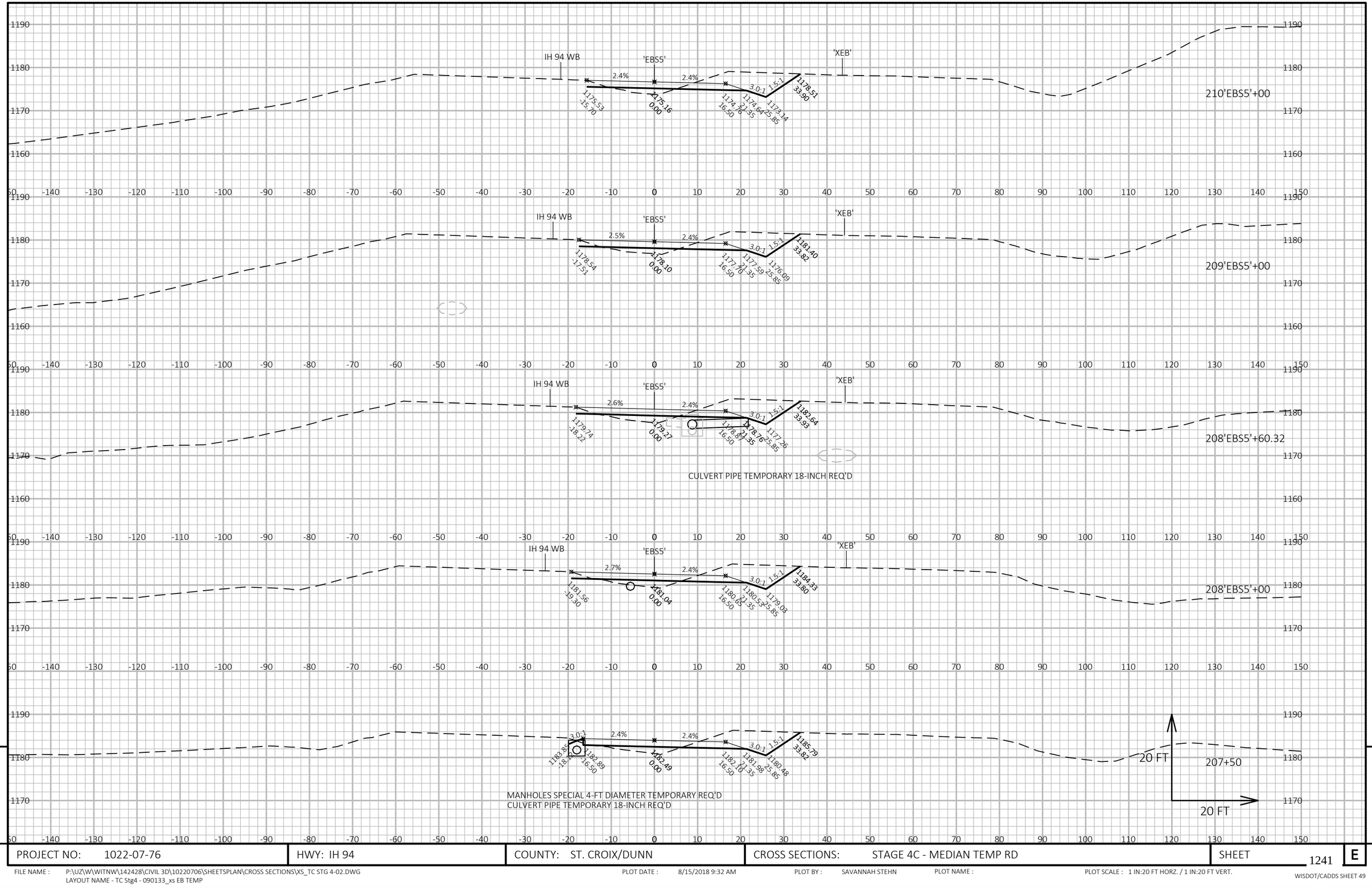
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1240	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090132_xs EB TEMP

PLOT DATE : 8/15/2018 9:32 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

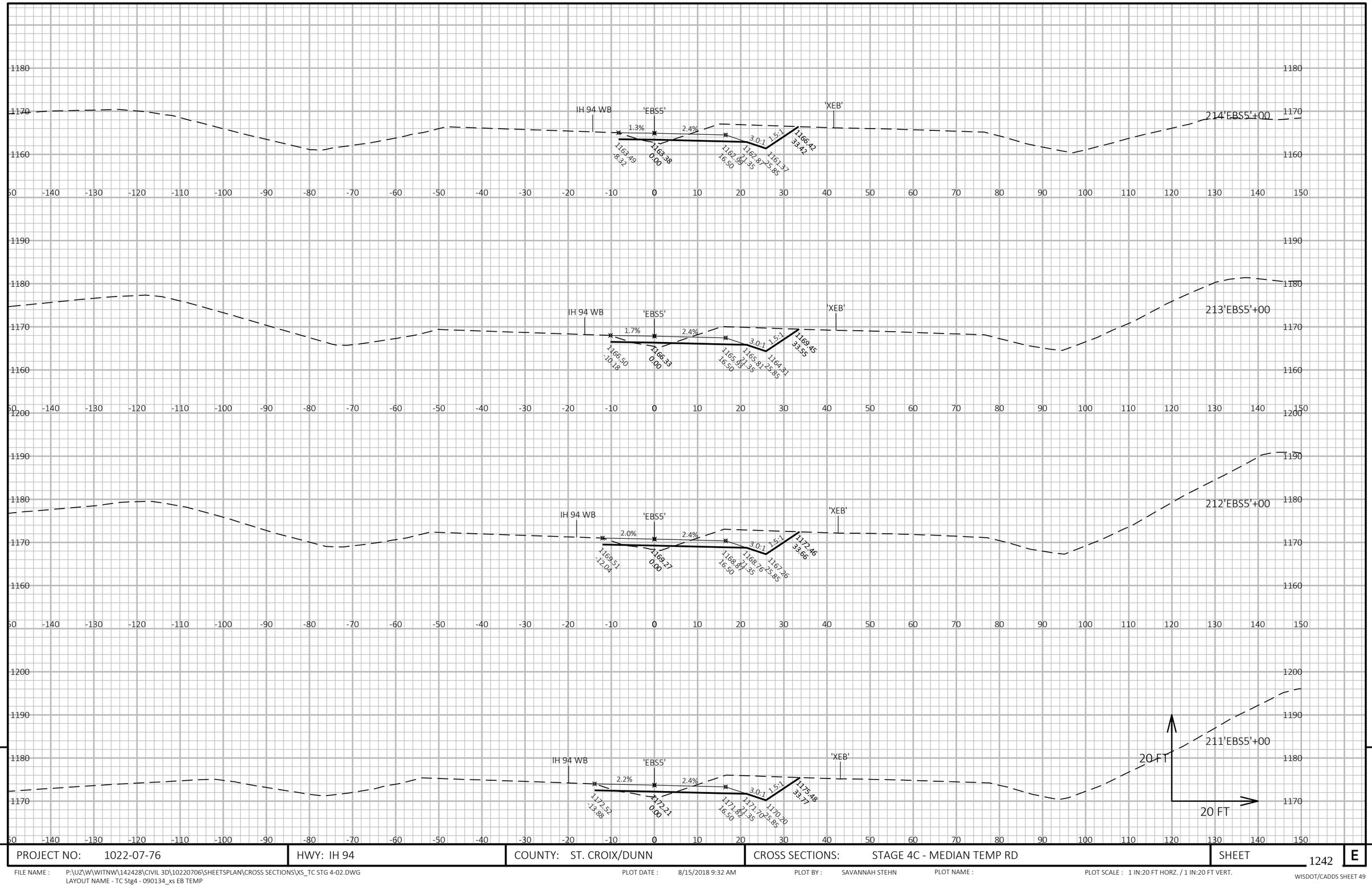


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1241	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090133_xs EB TEMP

PLOT DATE : 8/15/2018 9:32 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



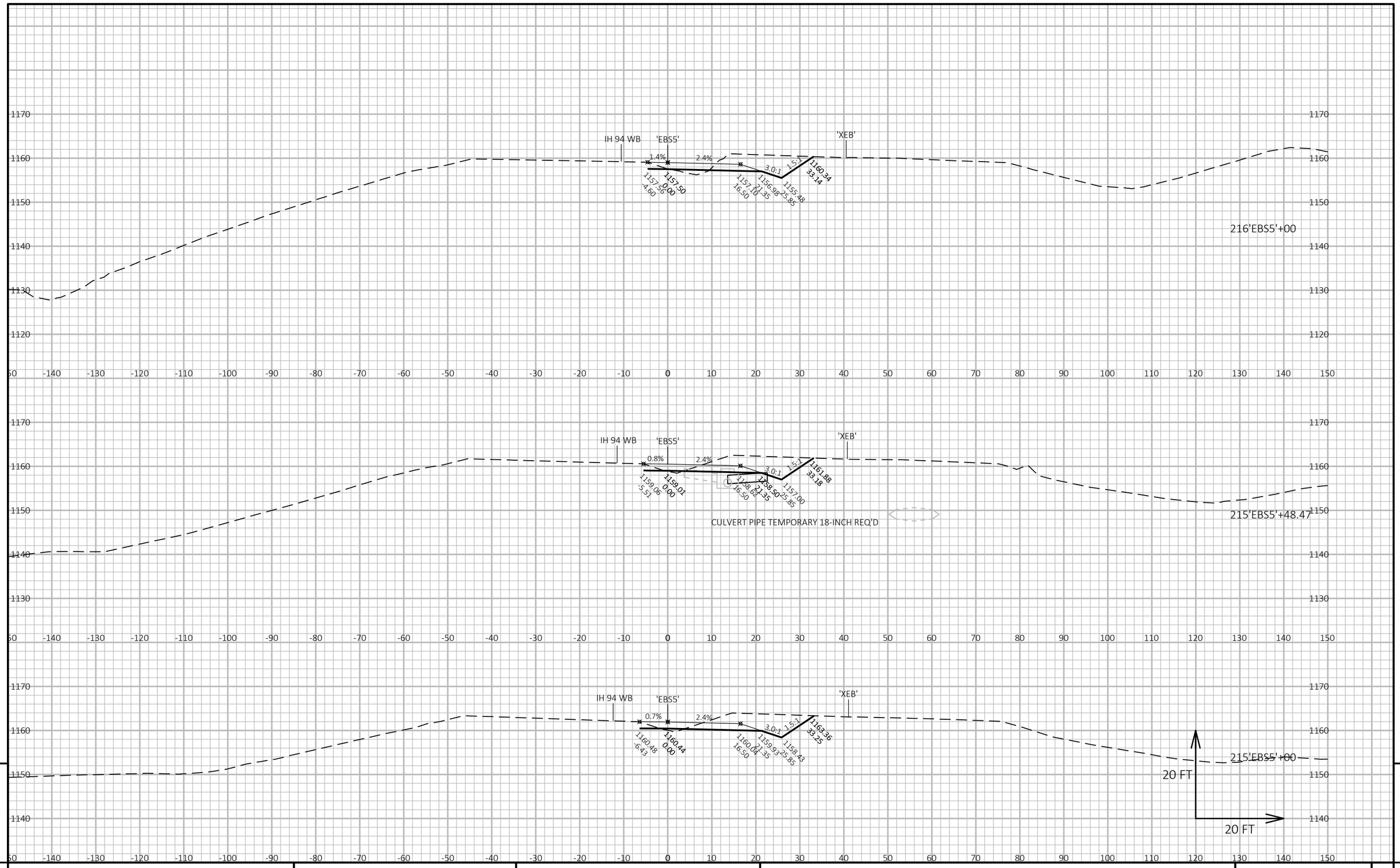
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1242	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090134_xs EB TEMP

PLOT DATE : 8/15/2018 9:32 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



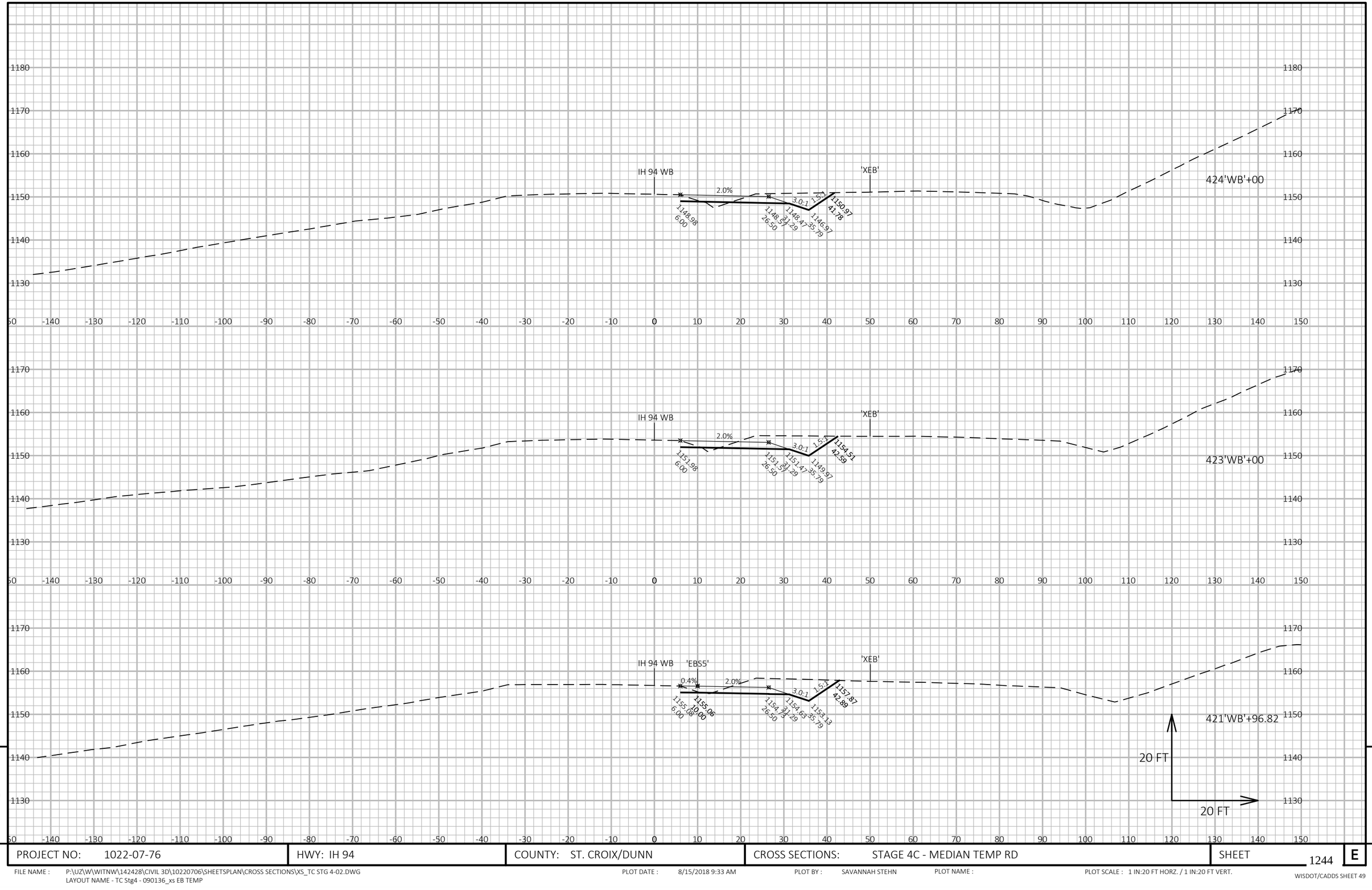
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1243	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090135_xs EB TEMP

PLOT DATE : 8/15/2018 9:33 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1244 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090136_xs EB TEMP

PLOT DATE : 8/15/2018 9:33 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

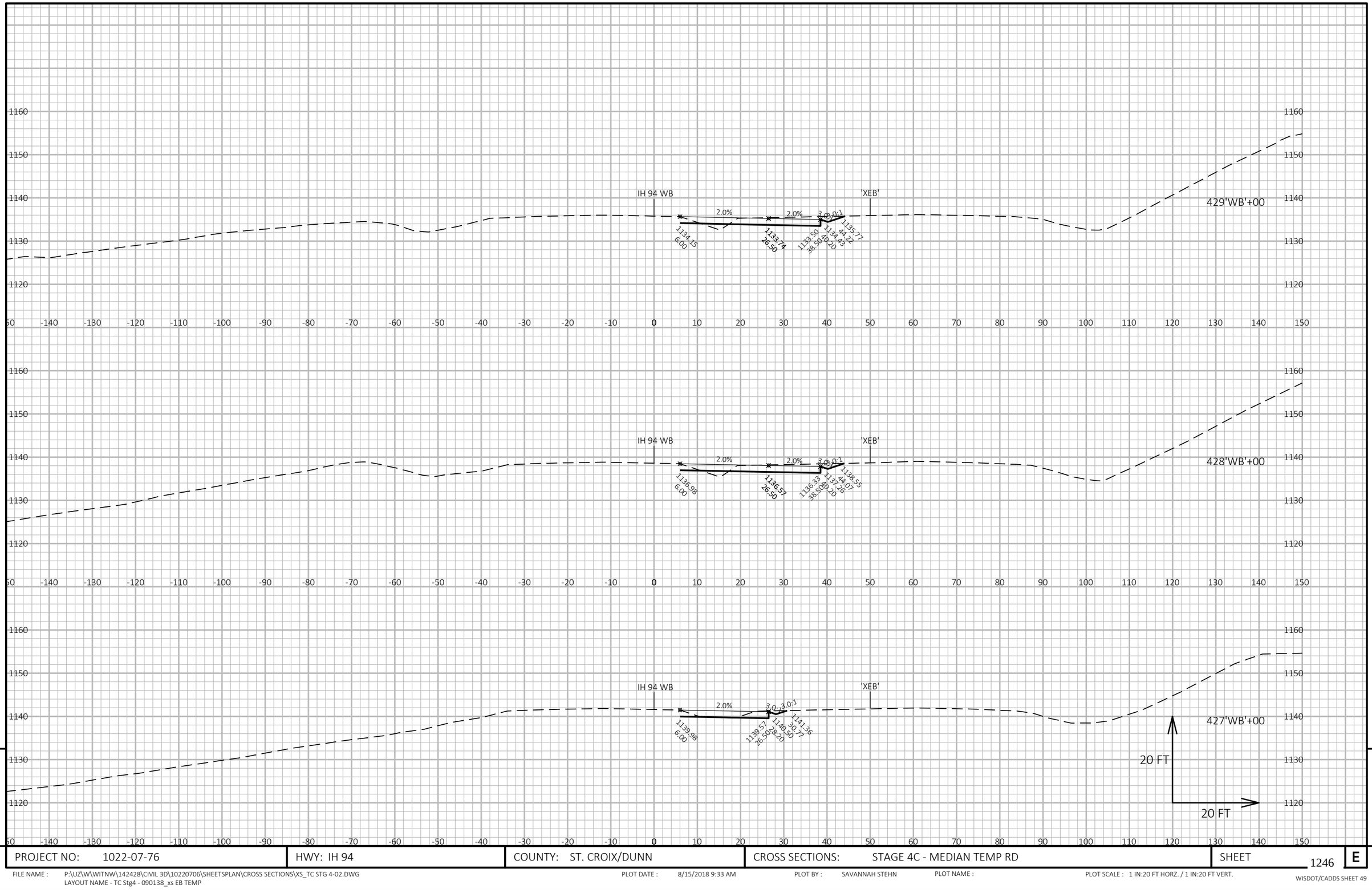
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1245	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090137_xs EB TEMP

PLOT DATE : 8/15/2018 9:33 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



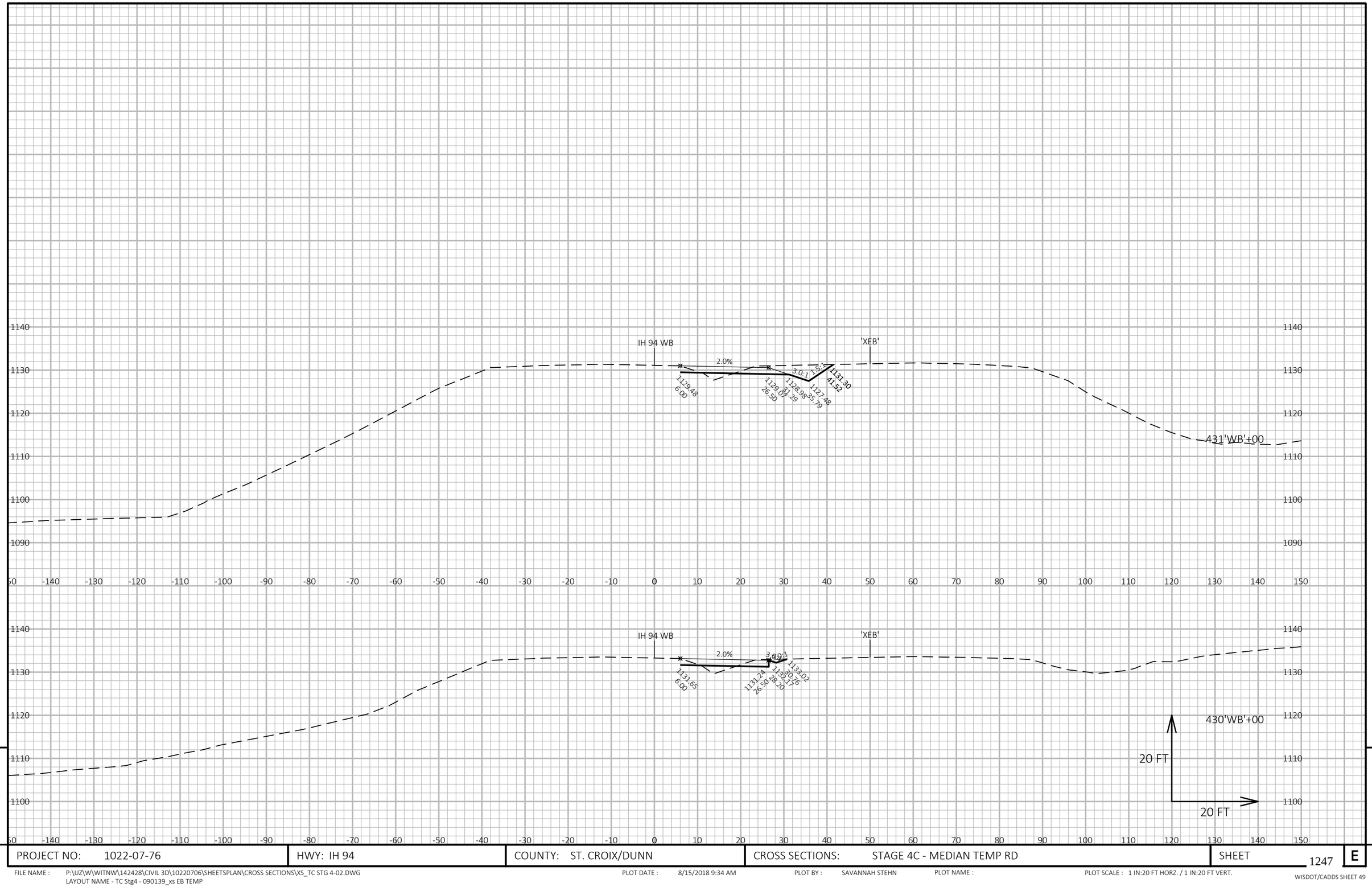
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1246 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090138_xs EB TEMP

PLOT DATE : 8/15/2018 9:33 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



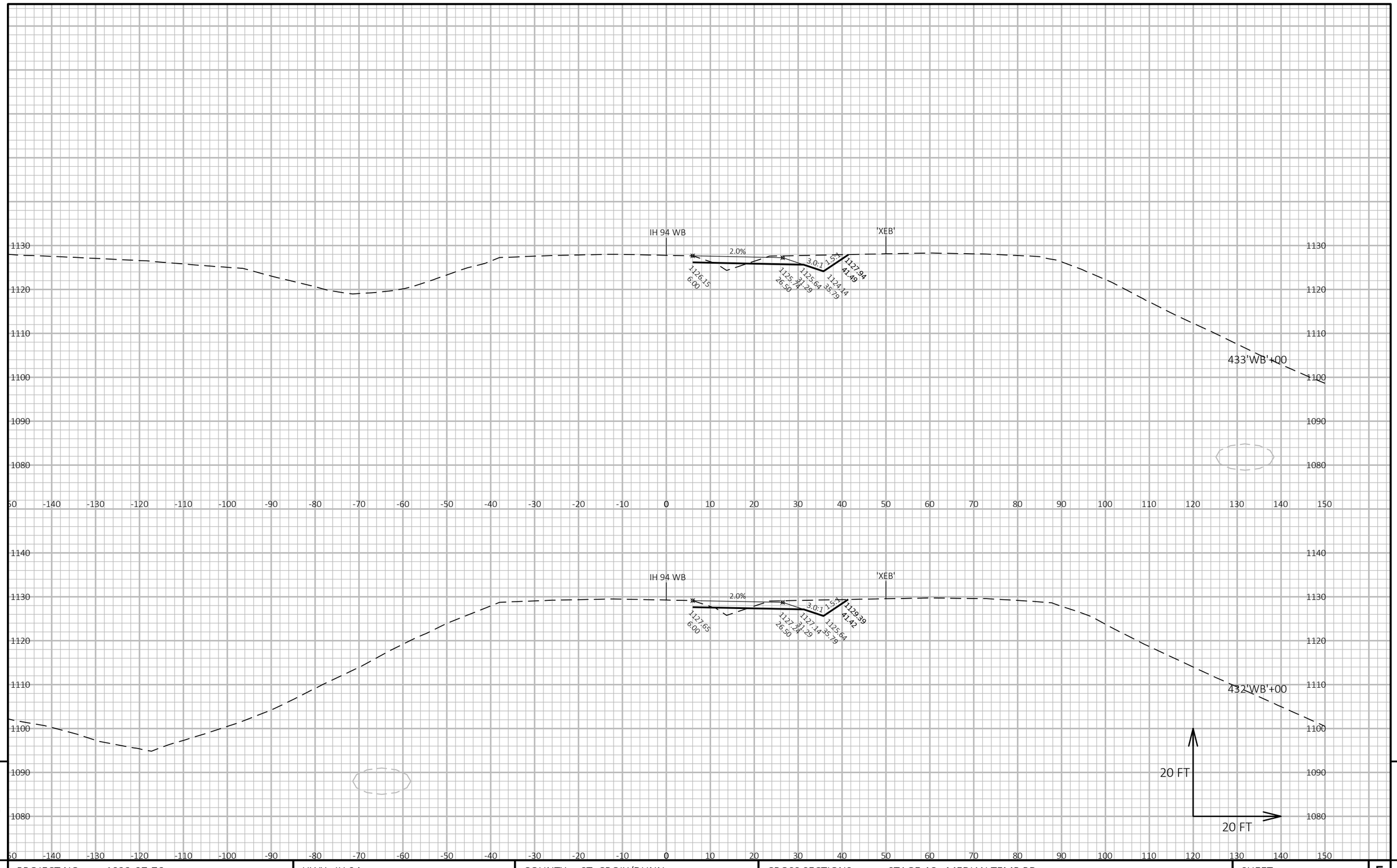
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1247 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090139_xs EB TEMP

PLOT DATE : 8/15/2018 9:34 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

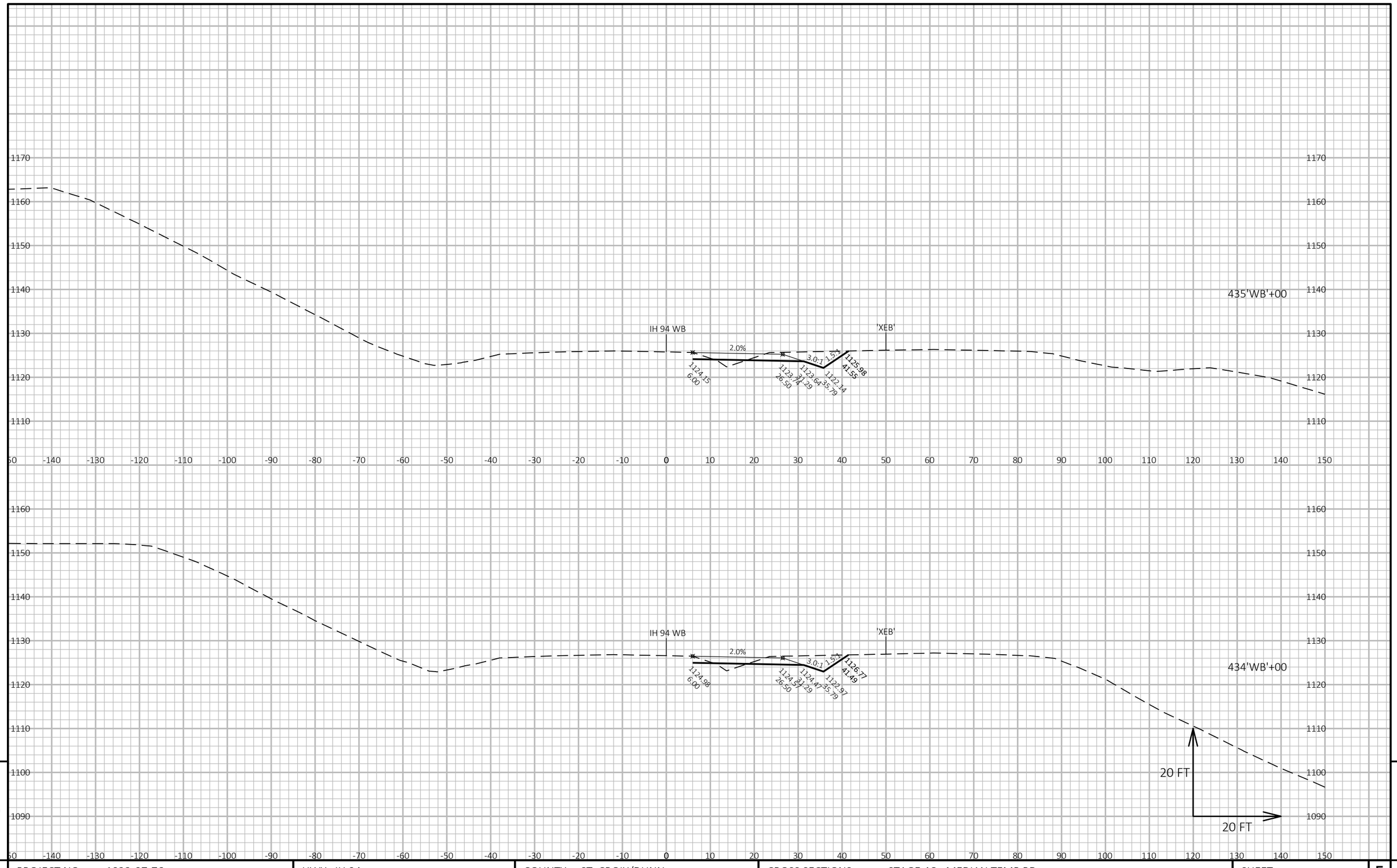


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1248	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090140_xs EB TEMP

PLOT DATE : 8/15/2018 9:34 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

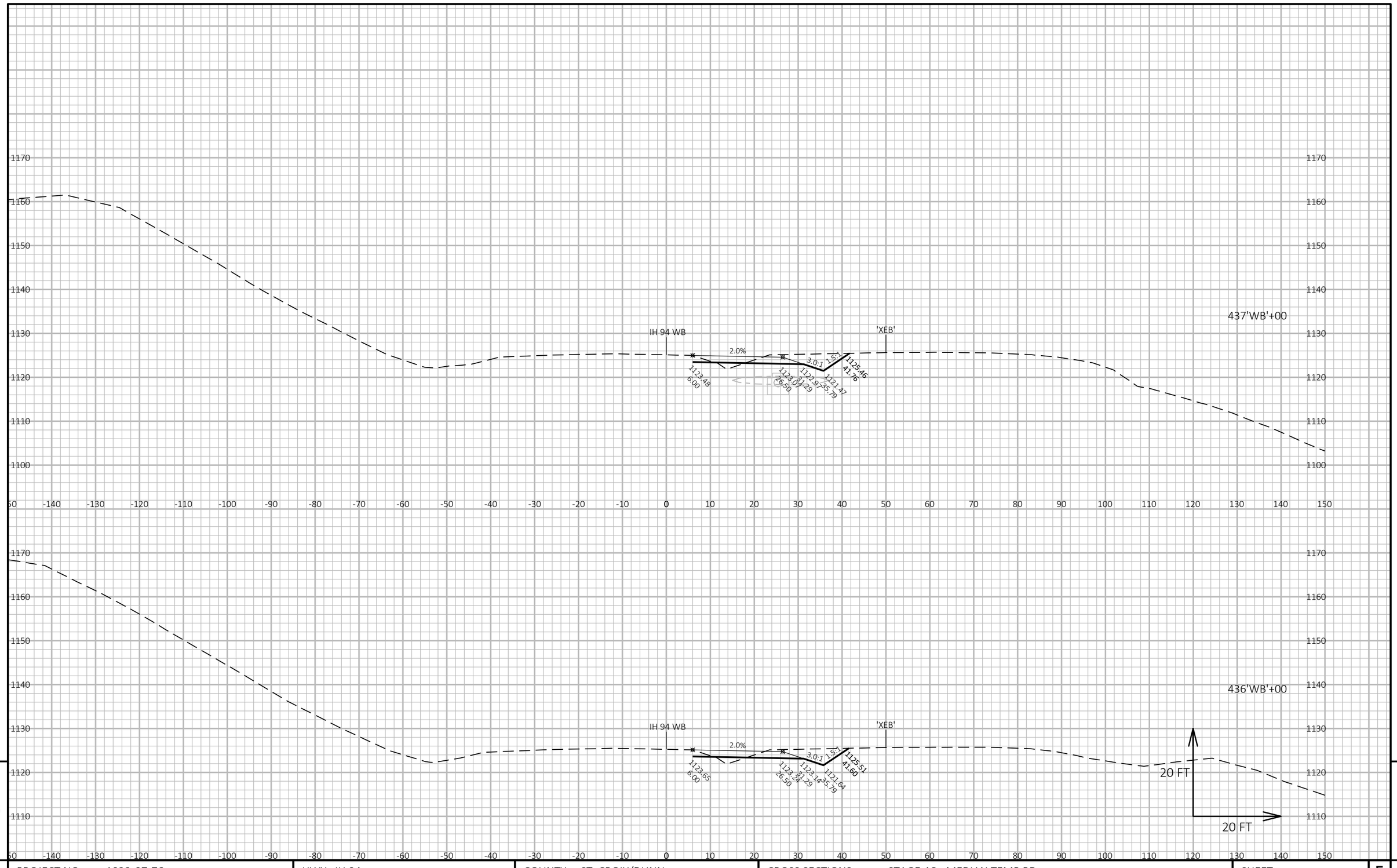
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1249	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090141_xs EB TEMP

PLOT DATE : 8/15/2018 9:34 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



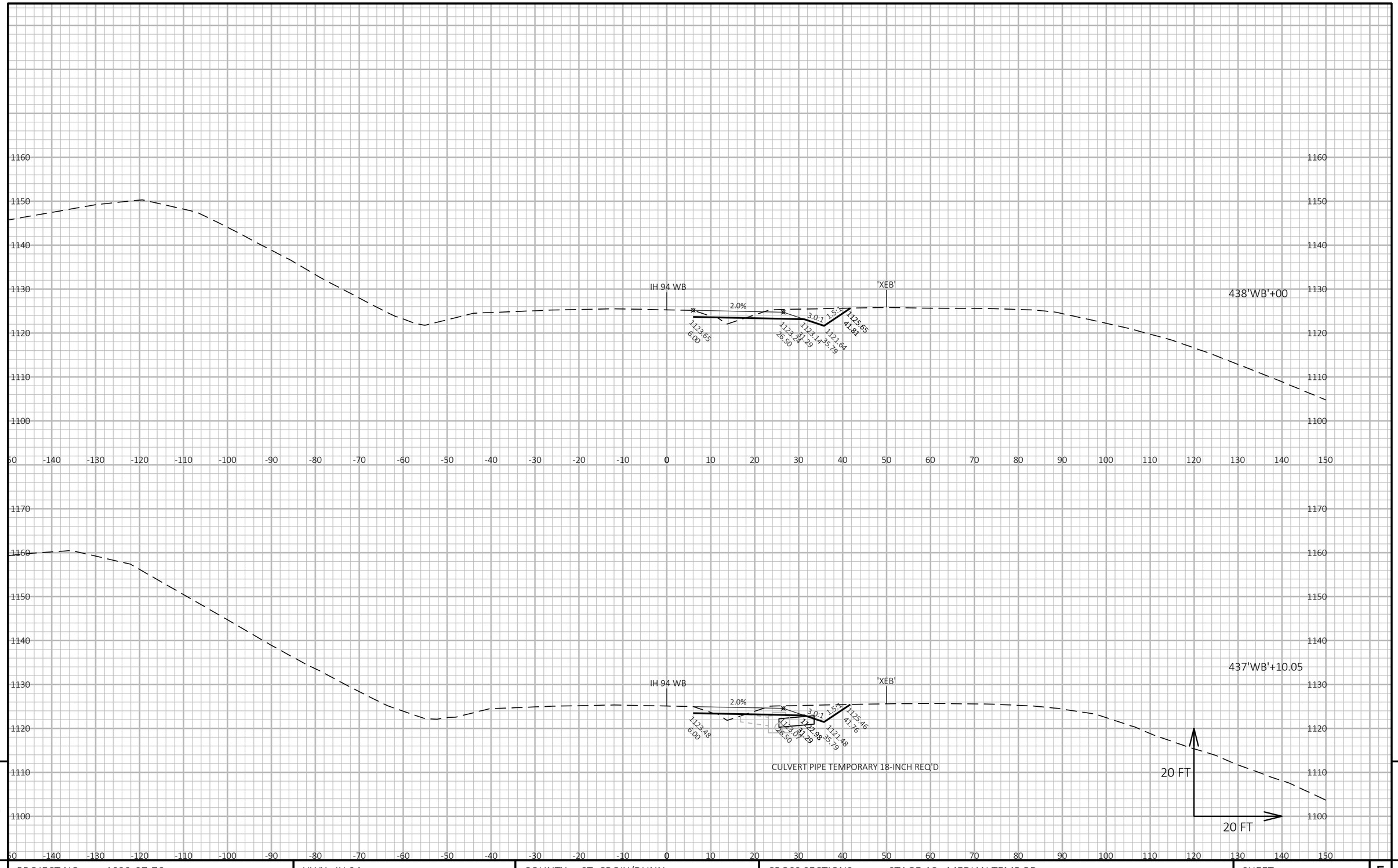
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1250	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090142_xs EB TEMP

PLOT DATE : 8/15/2018 9:34 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

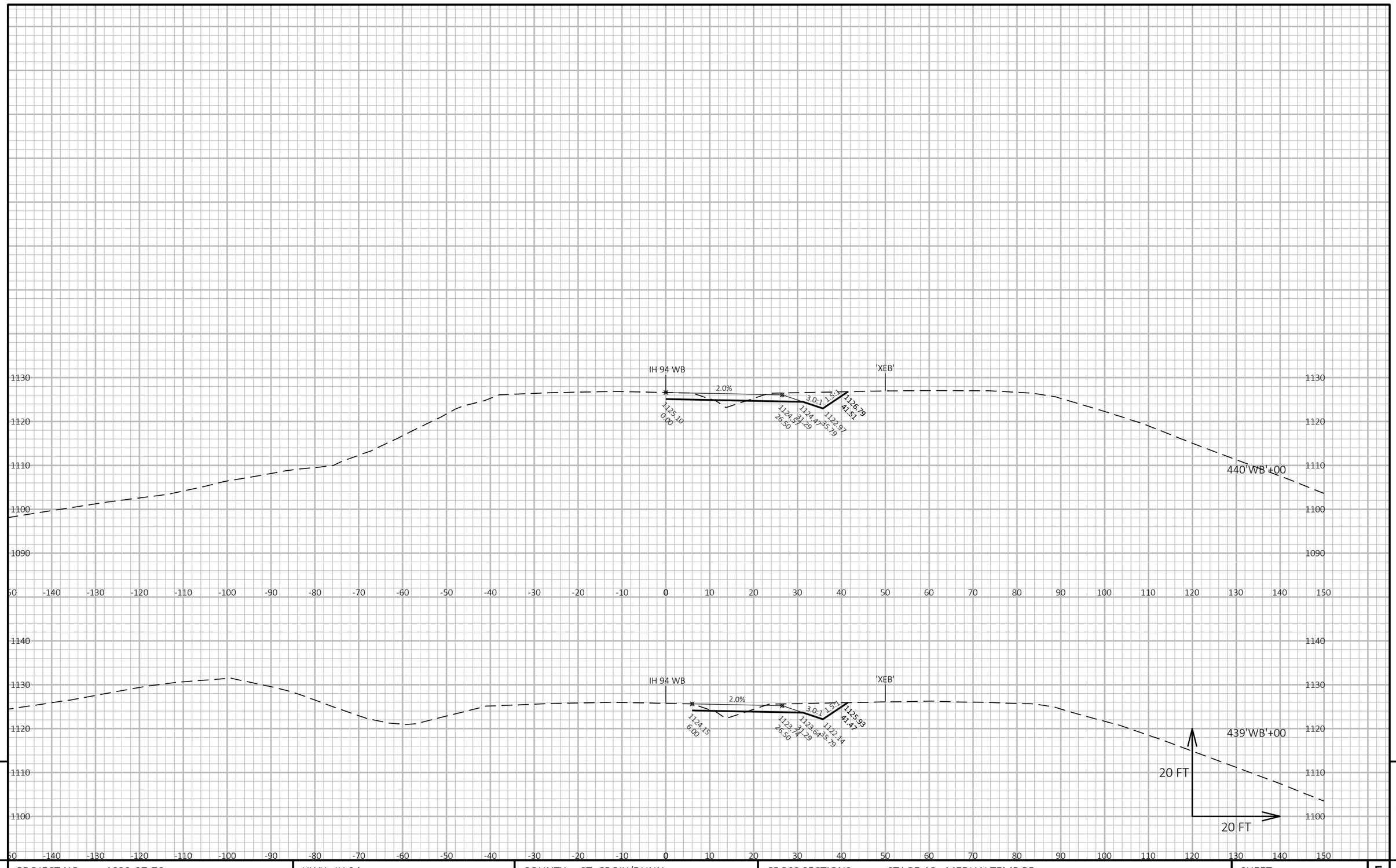


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1251 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090143_xs EB TEMP

PLOT DATE : 8/15/2018 9:35 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

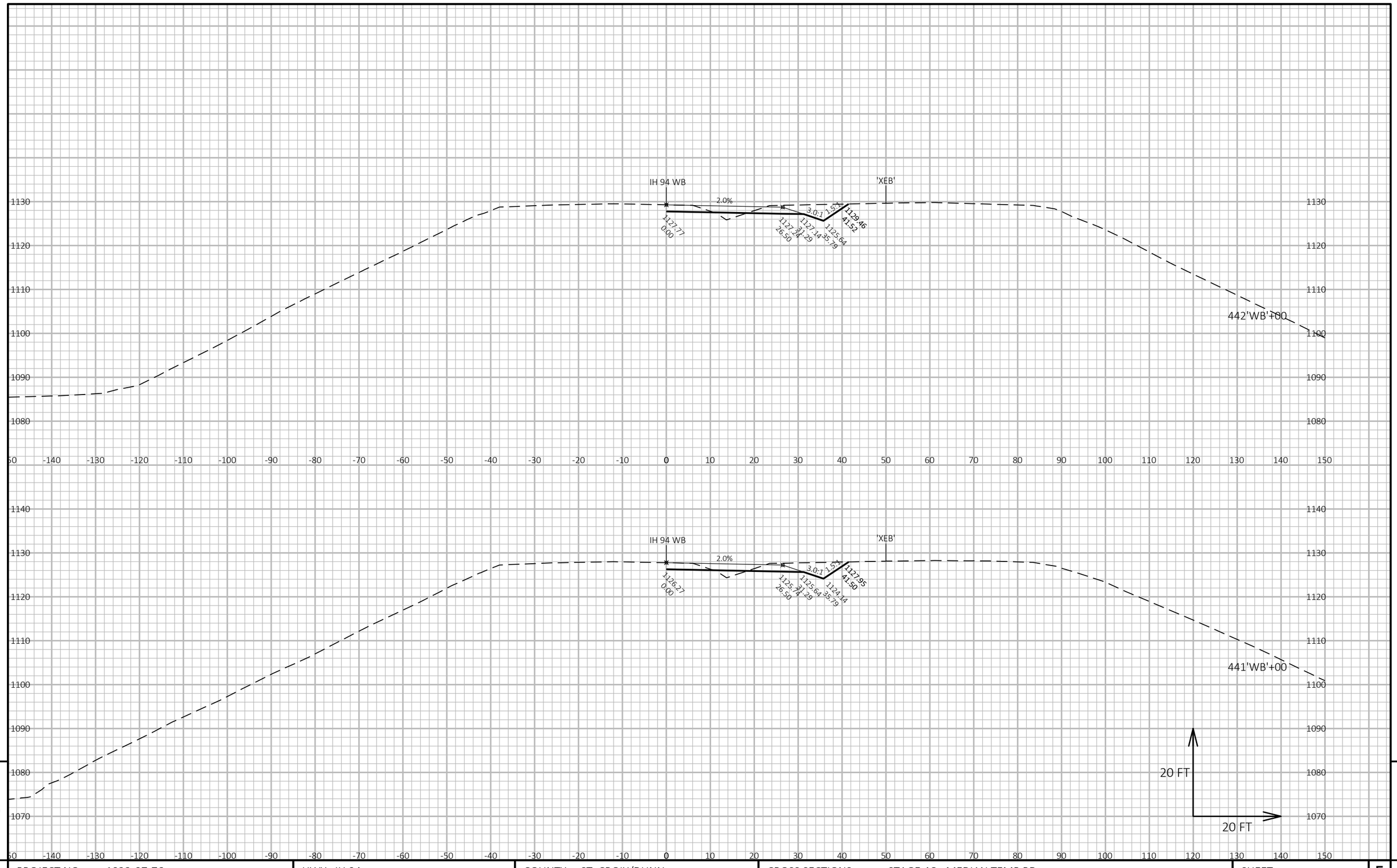


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1252	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090144_xs EB TEMP

PLOT DATE : 8/15/2018 9:35 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

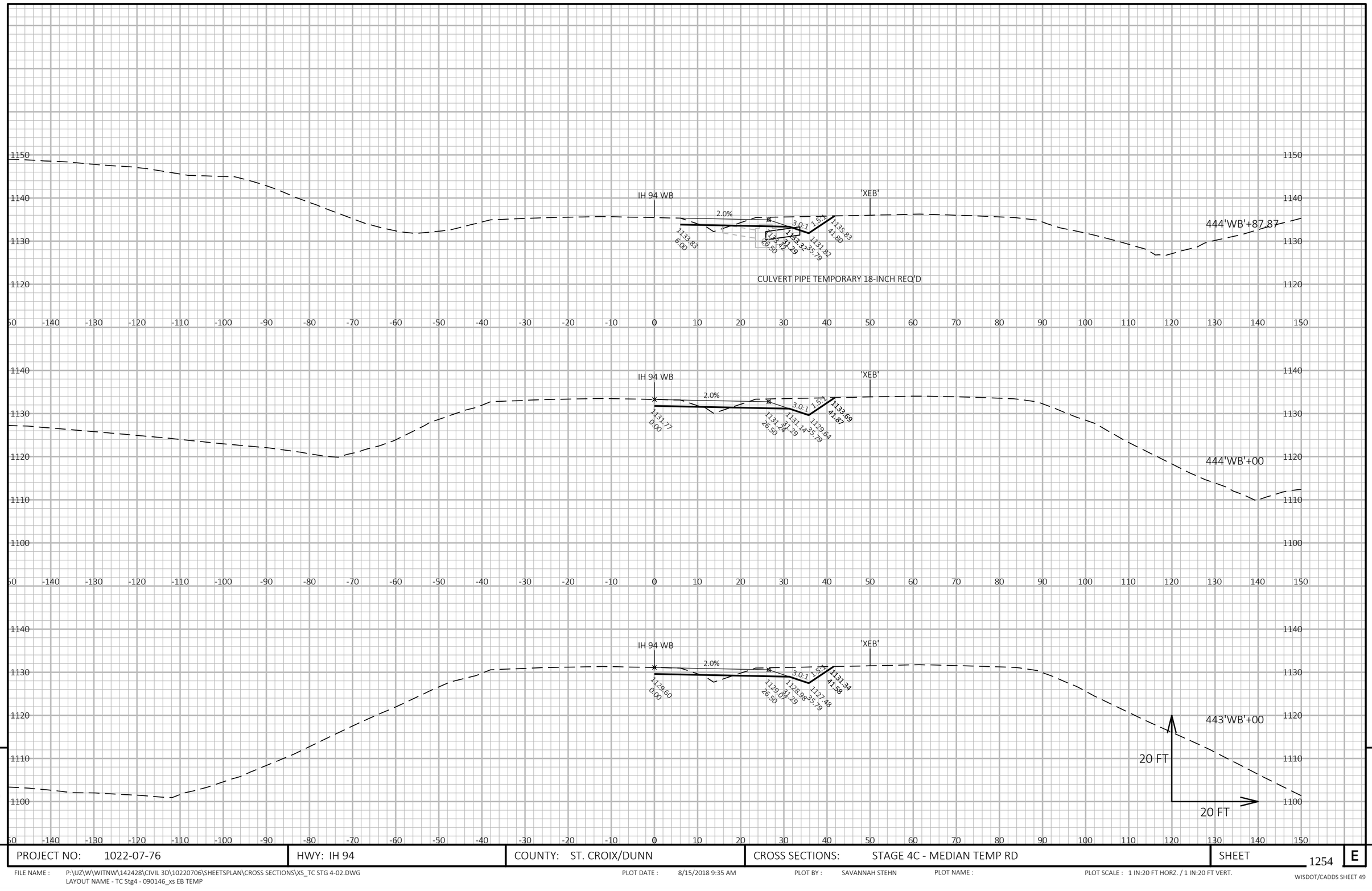


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1253	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090145_xs EB TEMP

PLOT DATE : 8/15/2018 9:35 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

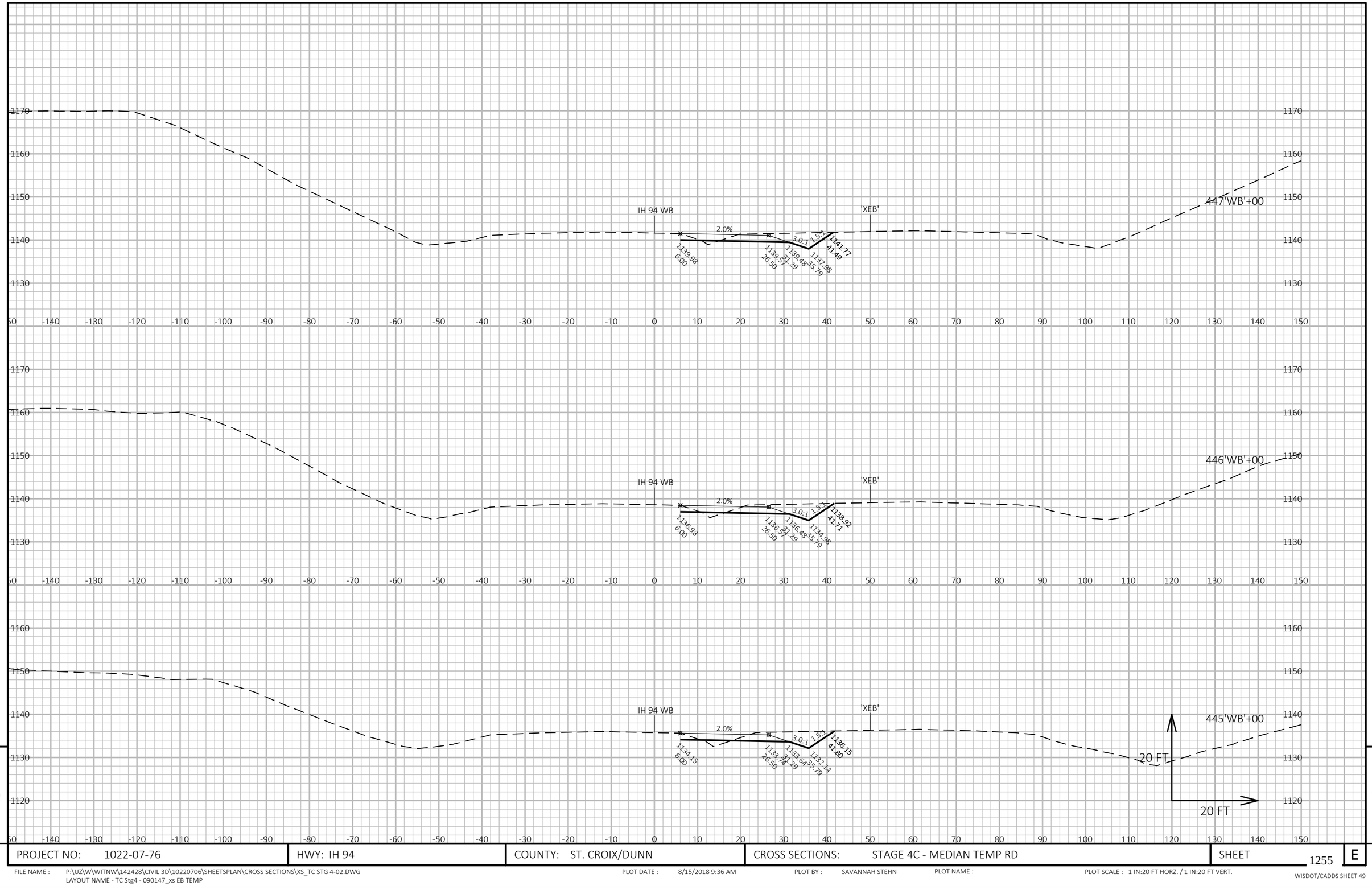
WISDOT/CADDS SHEET 49



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1254	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090146_xs EB TEMP

PLOT DATE : 8/15/2018 9:35 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



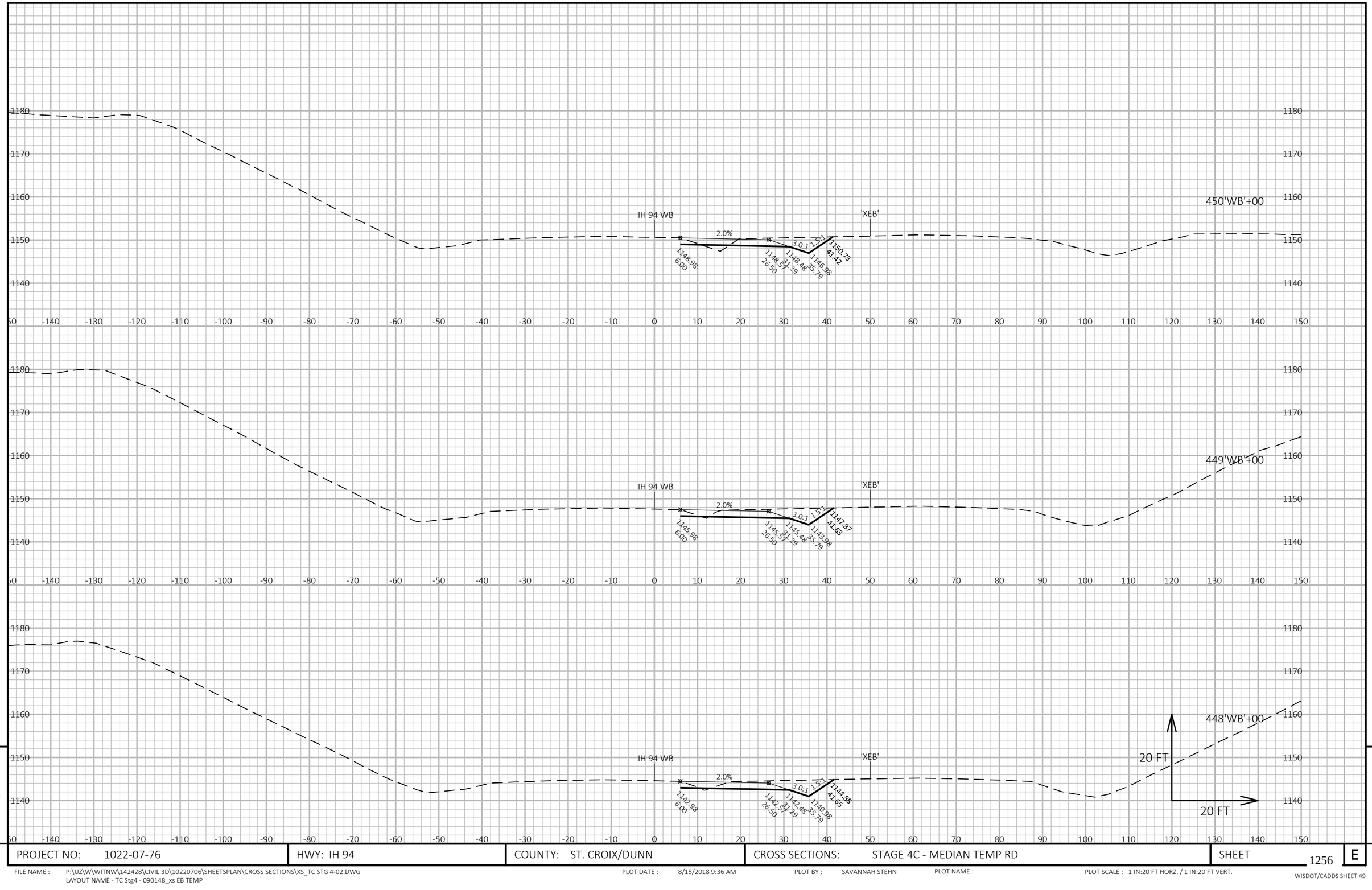
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1255	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090147_xs EB TEMP

PLOT DATE : 8/15/2018 9:36 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1256	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090148_xs EB TEMP

PLOT DATE : 8/15/2018 9:36 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

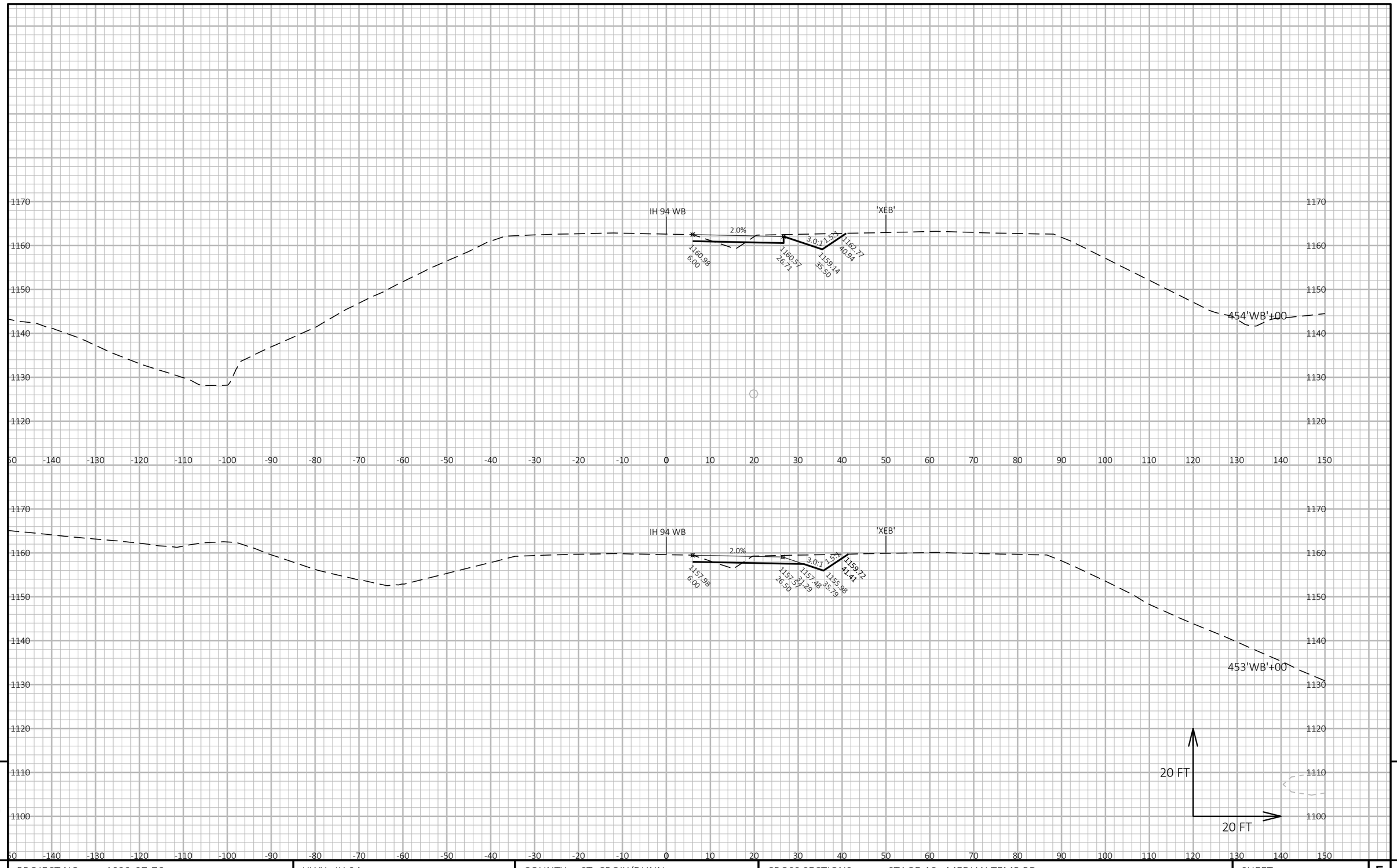
WISDOT/CADDS SHEET 49

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1257 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090149_xs EB TEMP

PLOT DATE : 8/15/2018 9:36 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

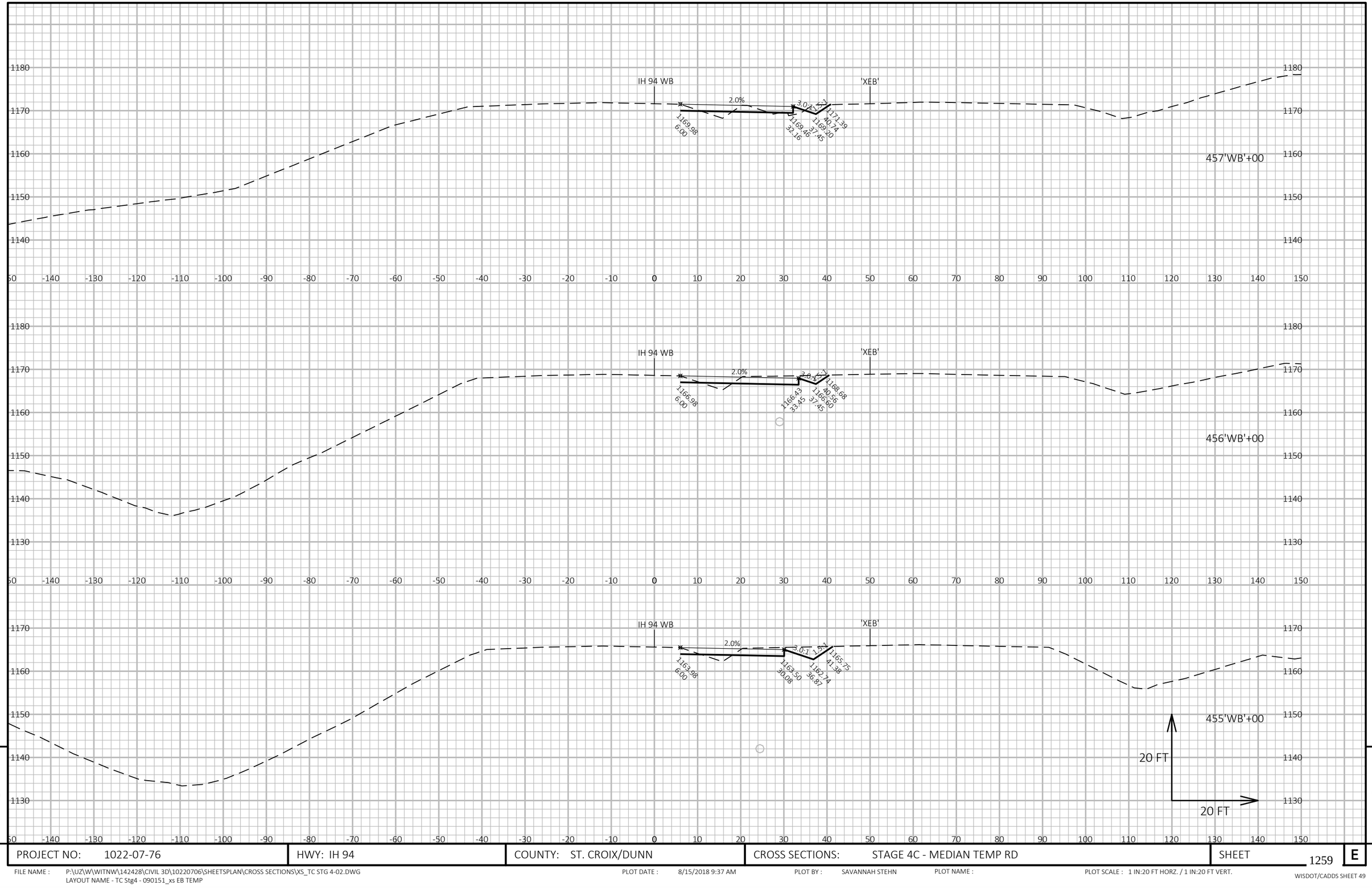


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1258	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090150_xs EB TEMP

PLOT DATE : 8/15/2018 9:36 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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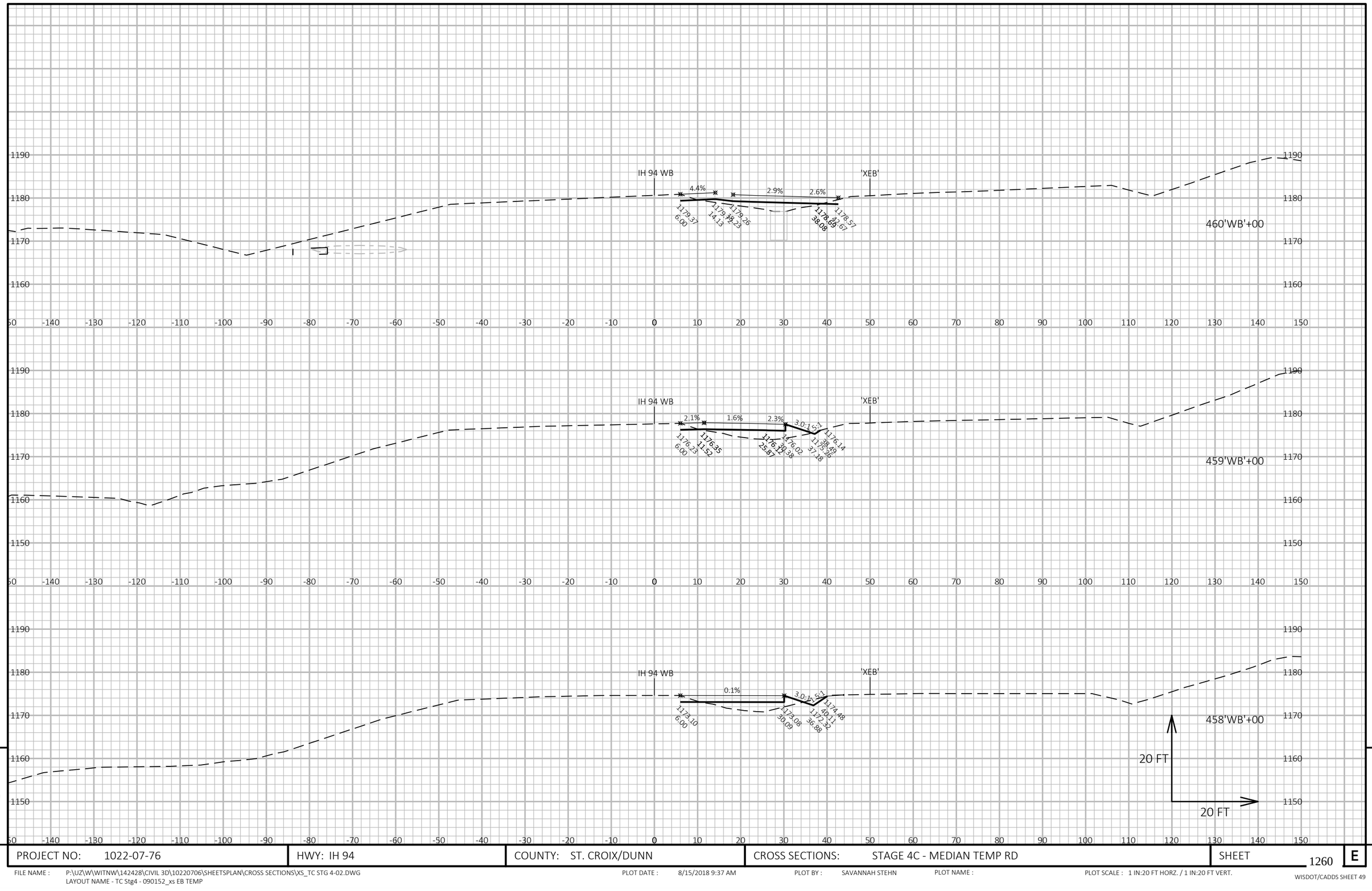
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1259	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090151_xs EB TEMP

PLOT DATE : 8/15/2018 9:37 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



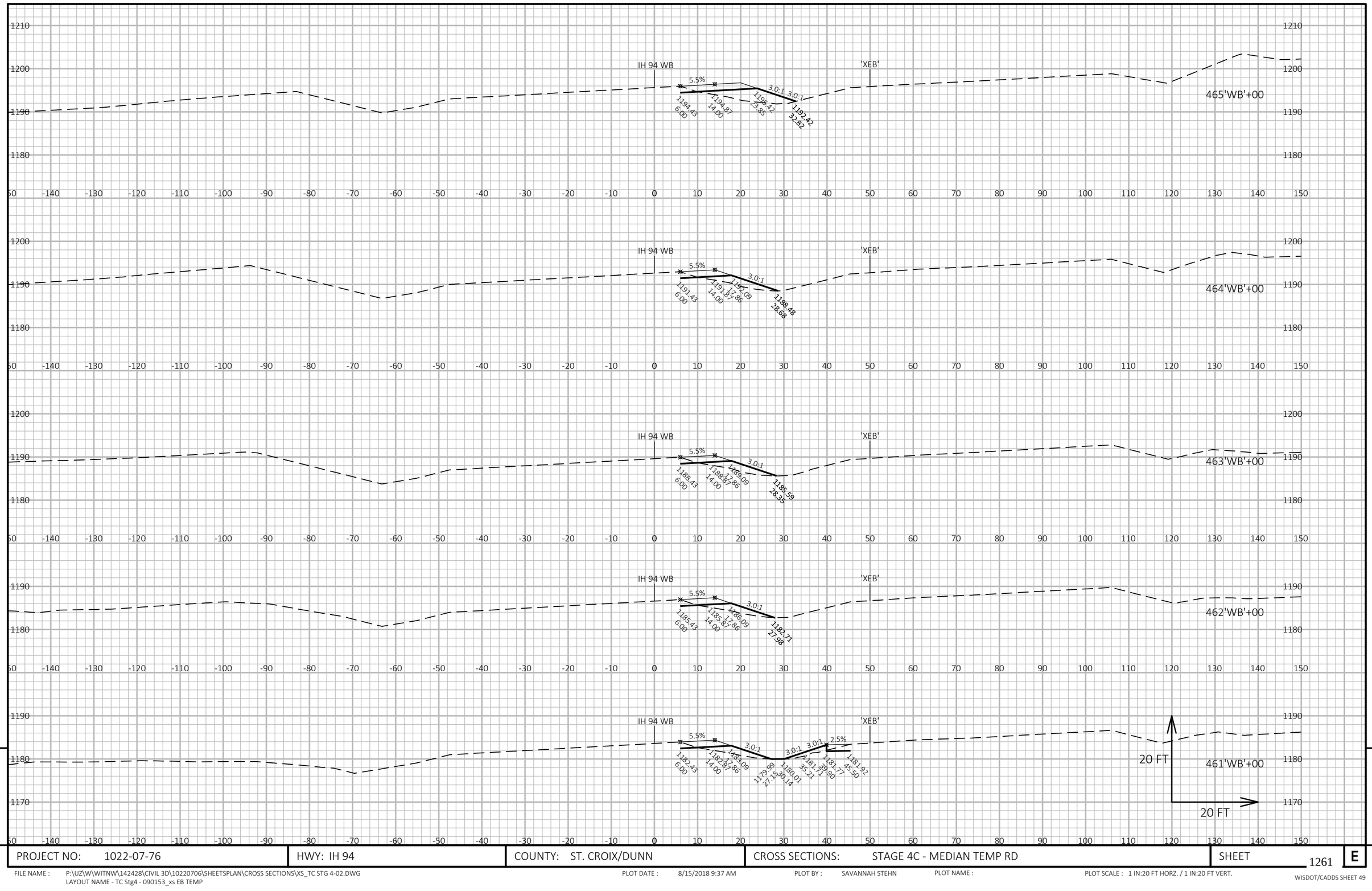
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1260	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090152_xs EB TEMP

PLOT DATE : 8/15/2018 9:37 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

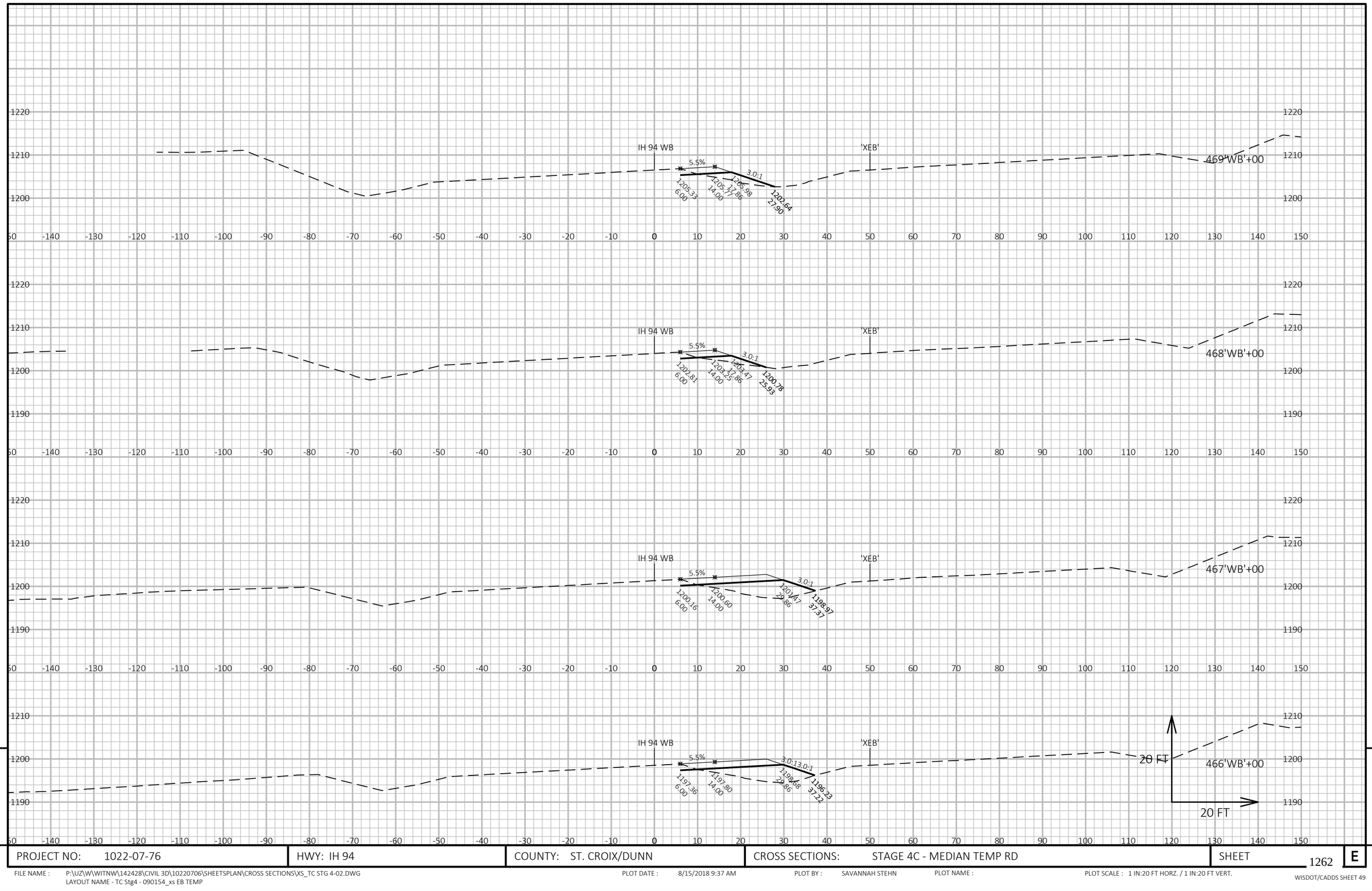


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1261 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090153_xs EB TEMP

PLOT DATE : 8/15/2018 9:37 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

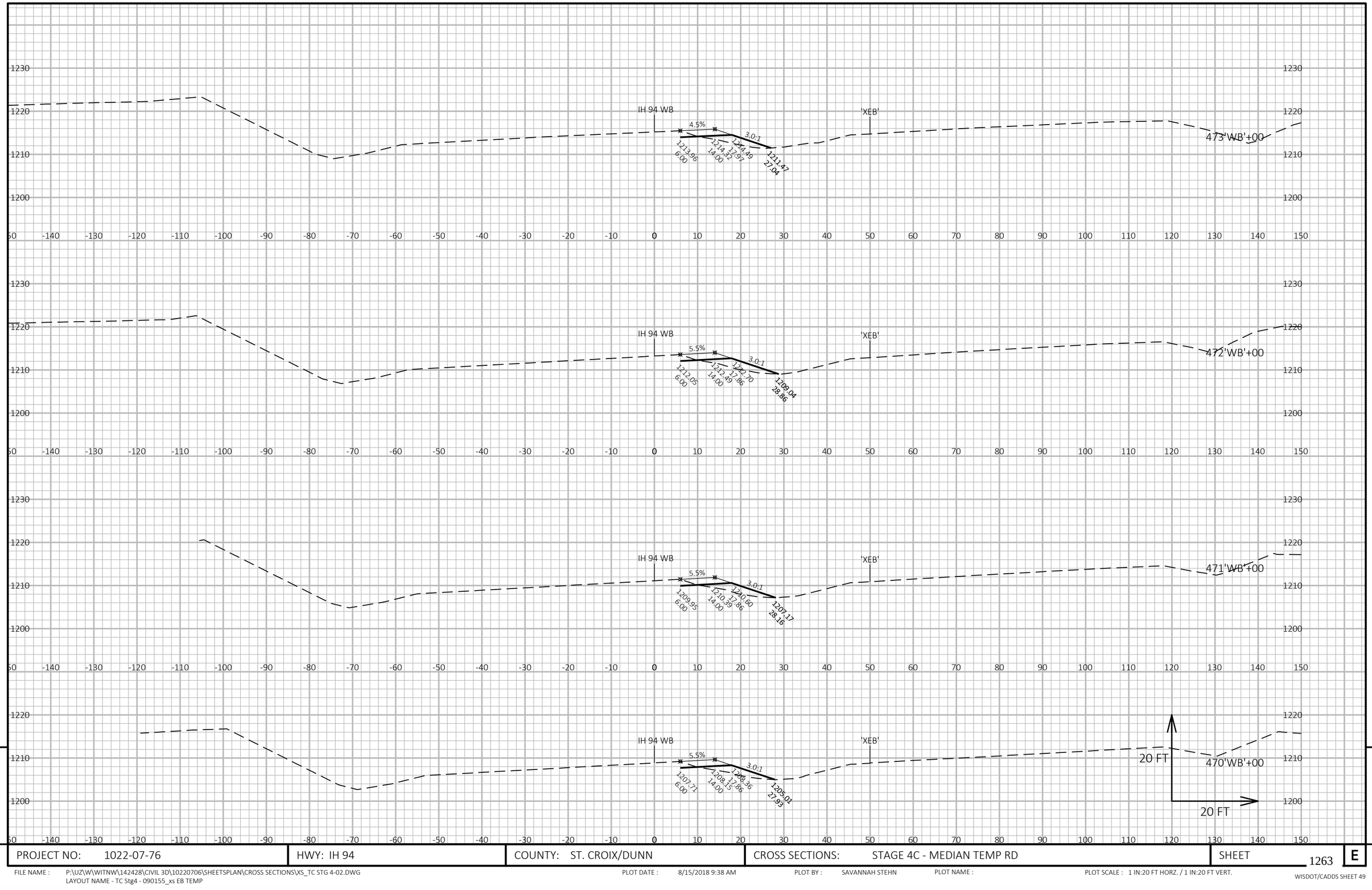
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1262	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090154_xs EB TEMP

PLOT DATE : 8/15/2018 9:37 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

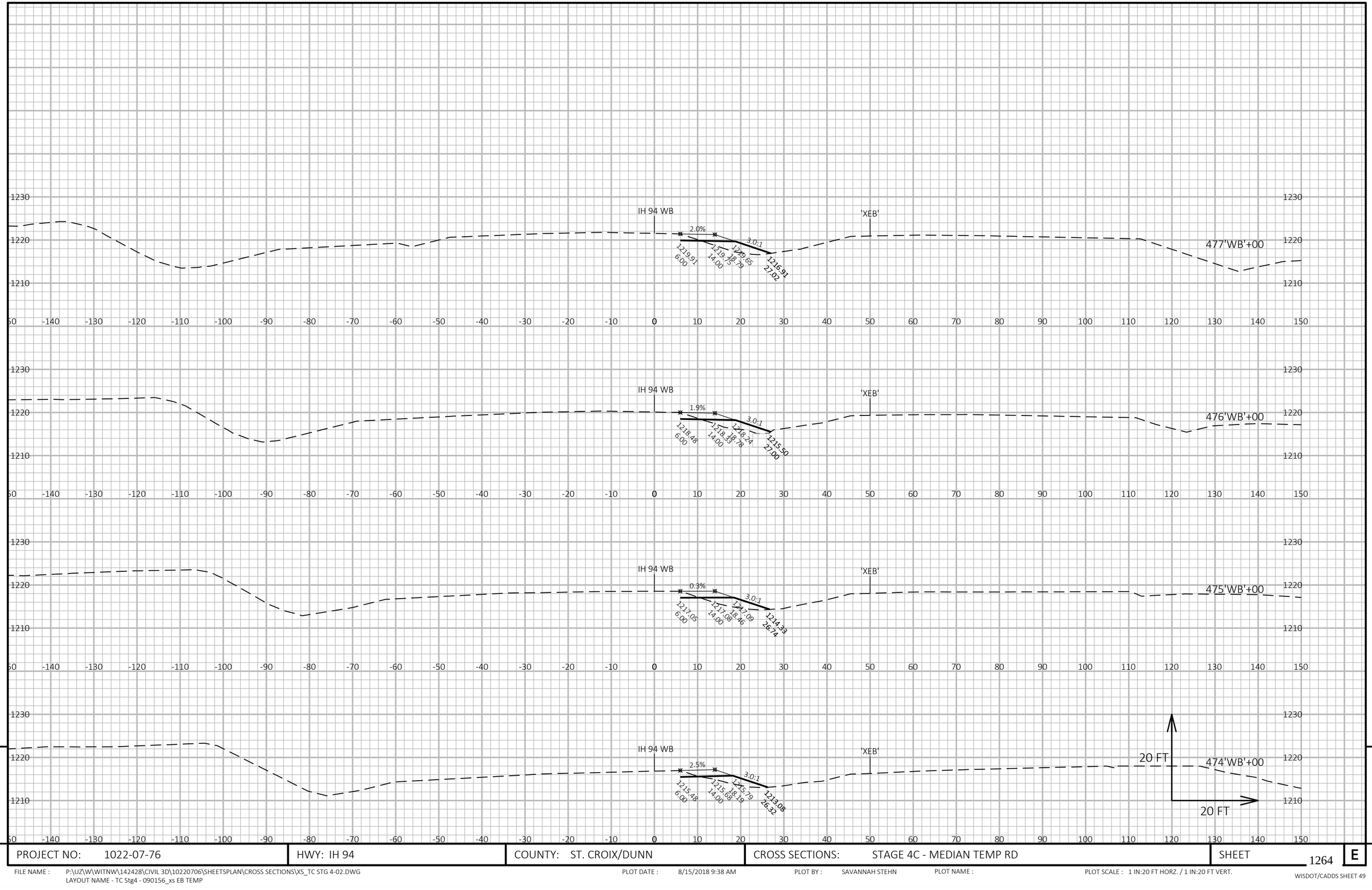
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1263	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090155_xs EB TEMP

PLOT DATE : 8/15/2018 9:38 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



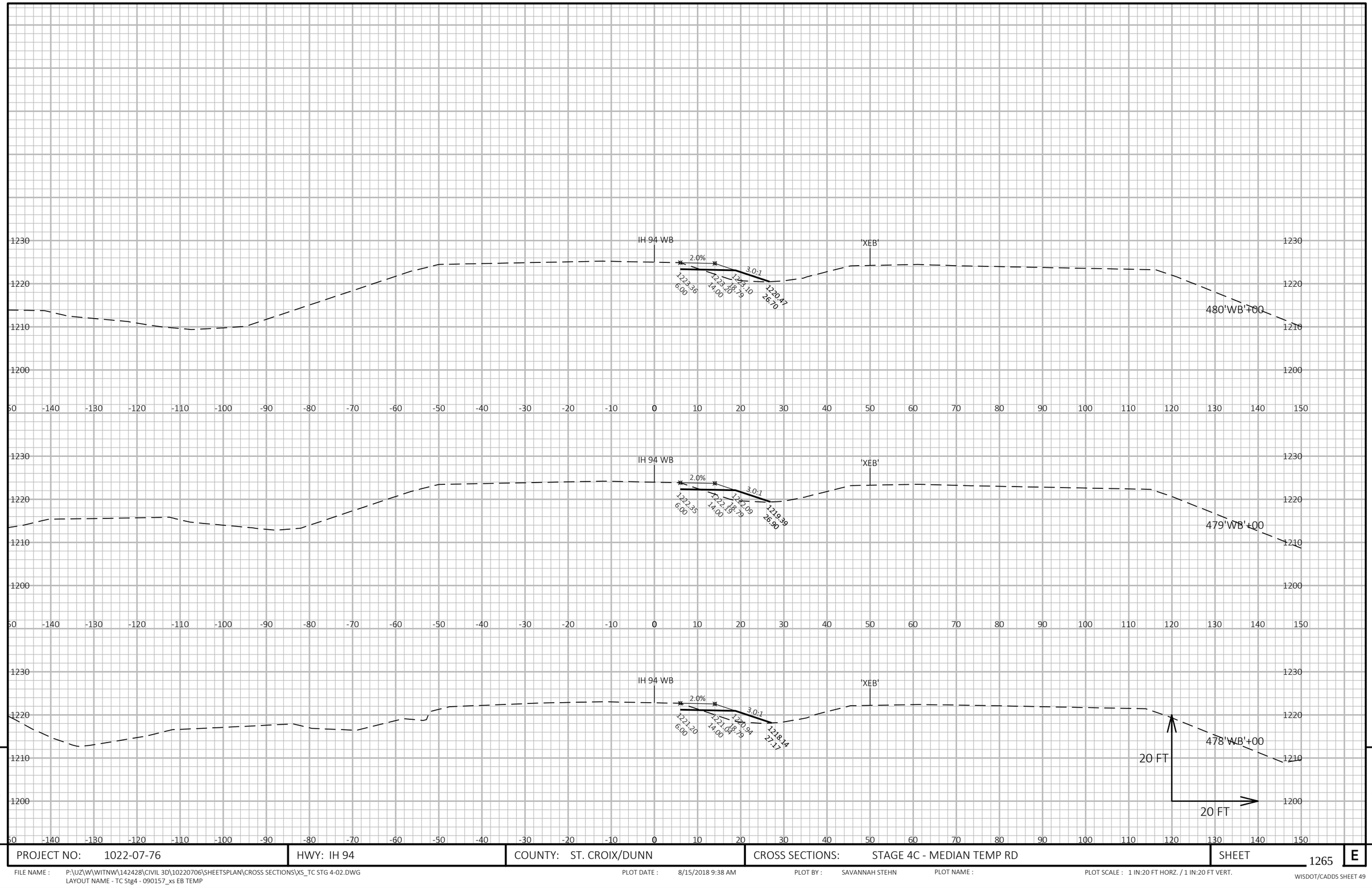
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1264	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090156_xs EB TEMP

PLOT DATE : 8/15/2018 9:38 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



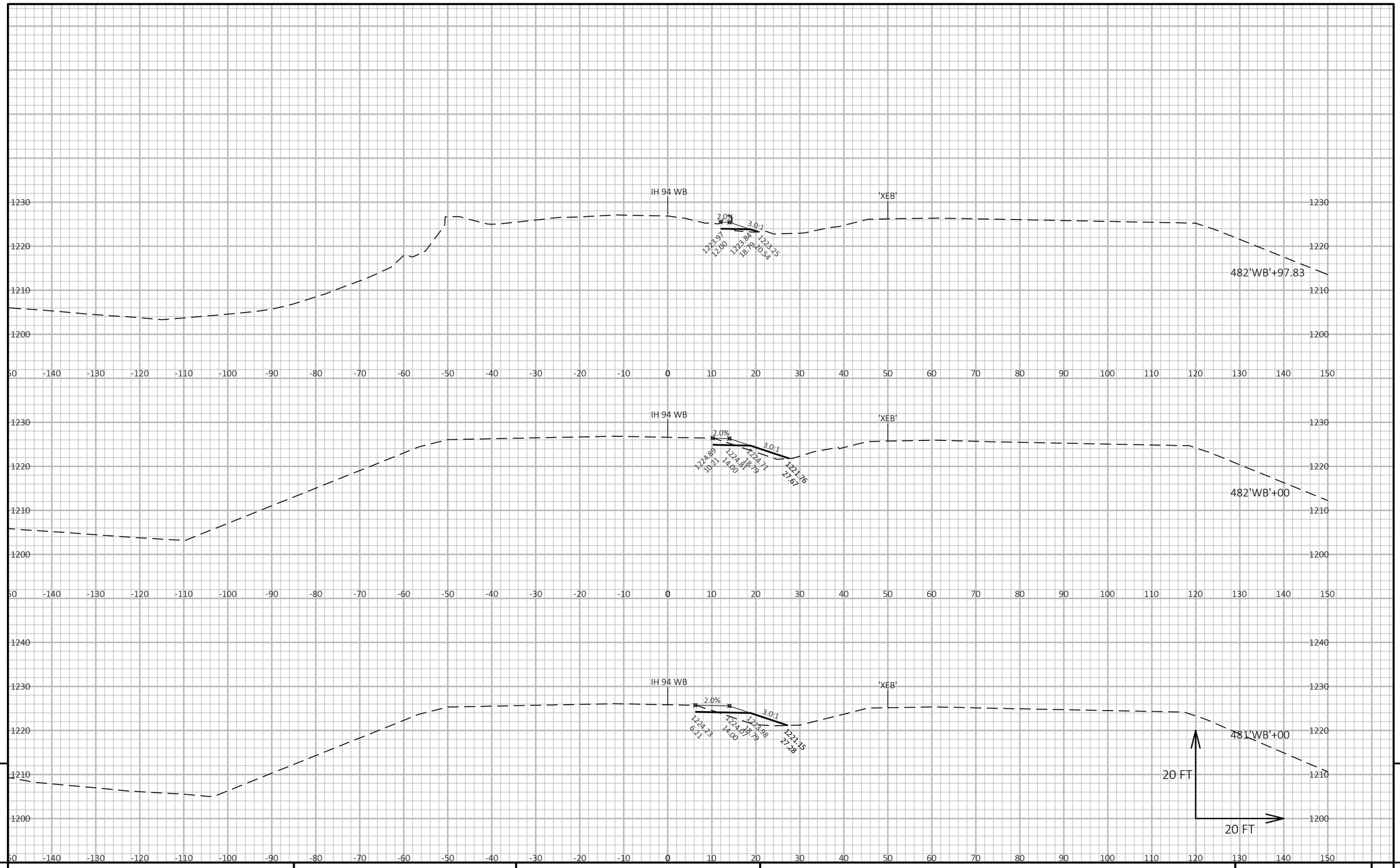
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1265	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090157_xs EB TEMP

PLOT DATE : 8/15/2018 9:38 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

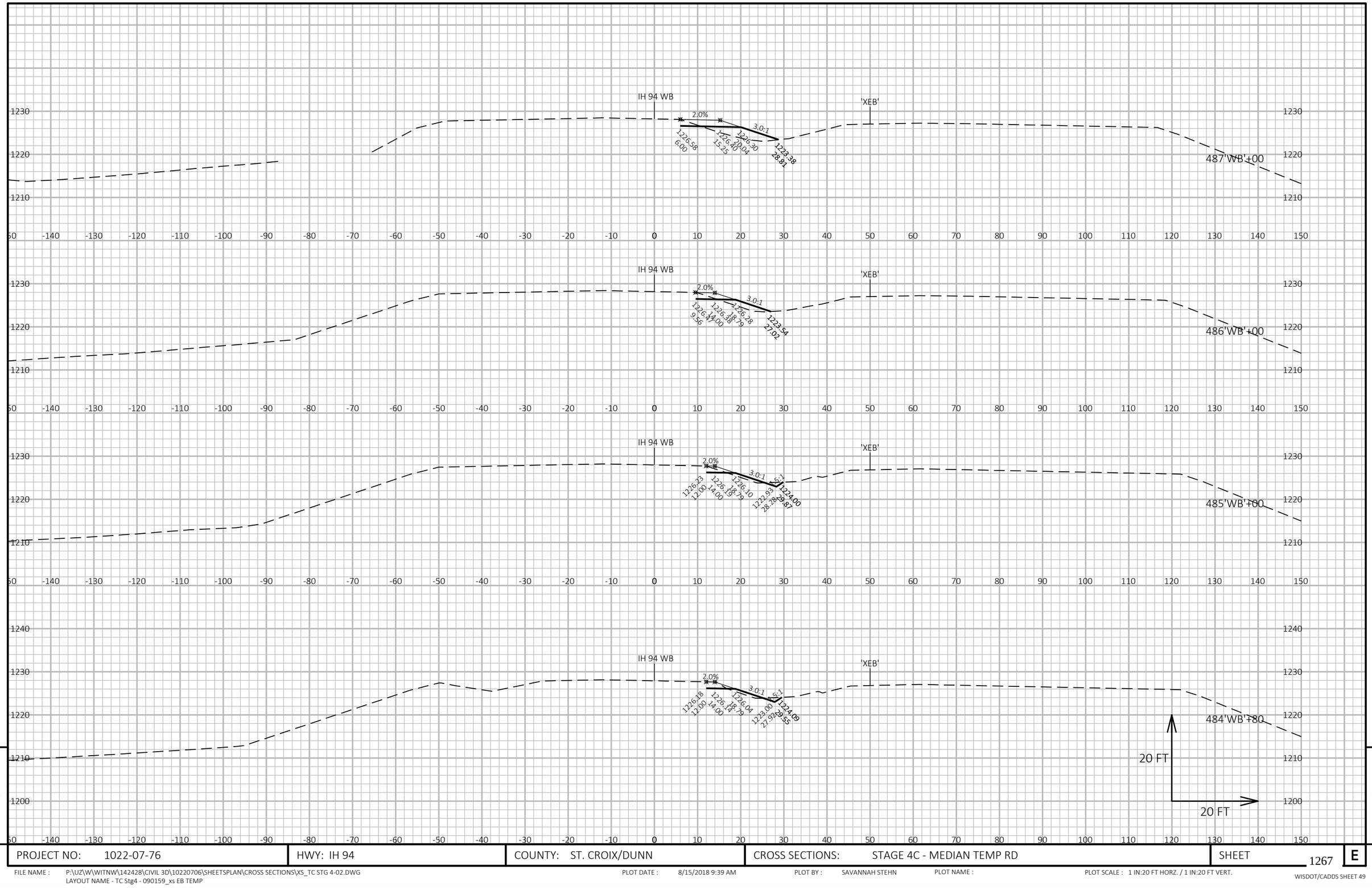
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1266	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090158_xs EB TEMP

PLOT DATE : 8/15/2018 9:38 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



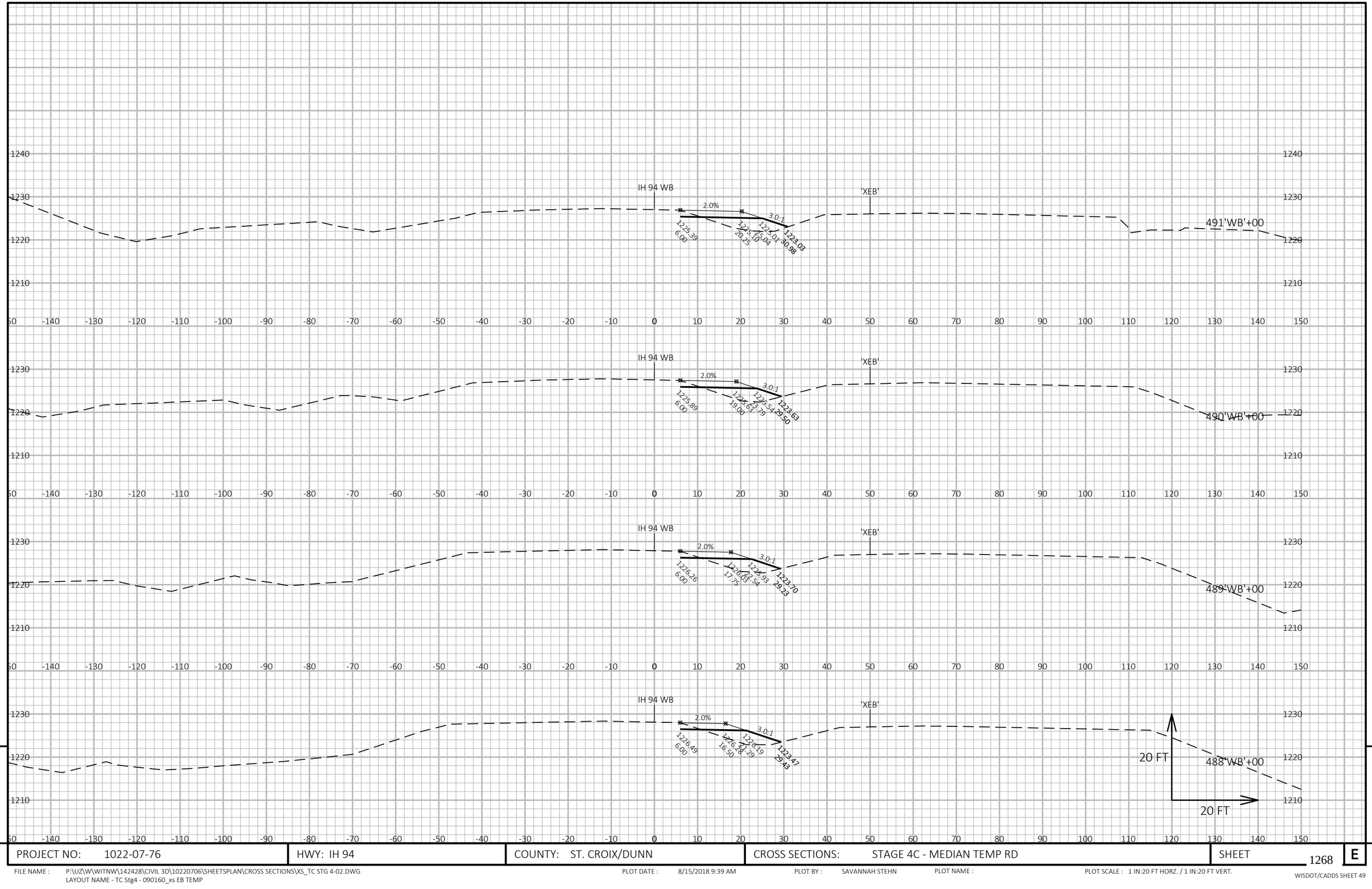
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1267	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090159_xs EB TEMP

PLOT DATE : 8/15/2018 9:39 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



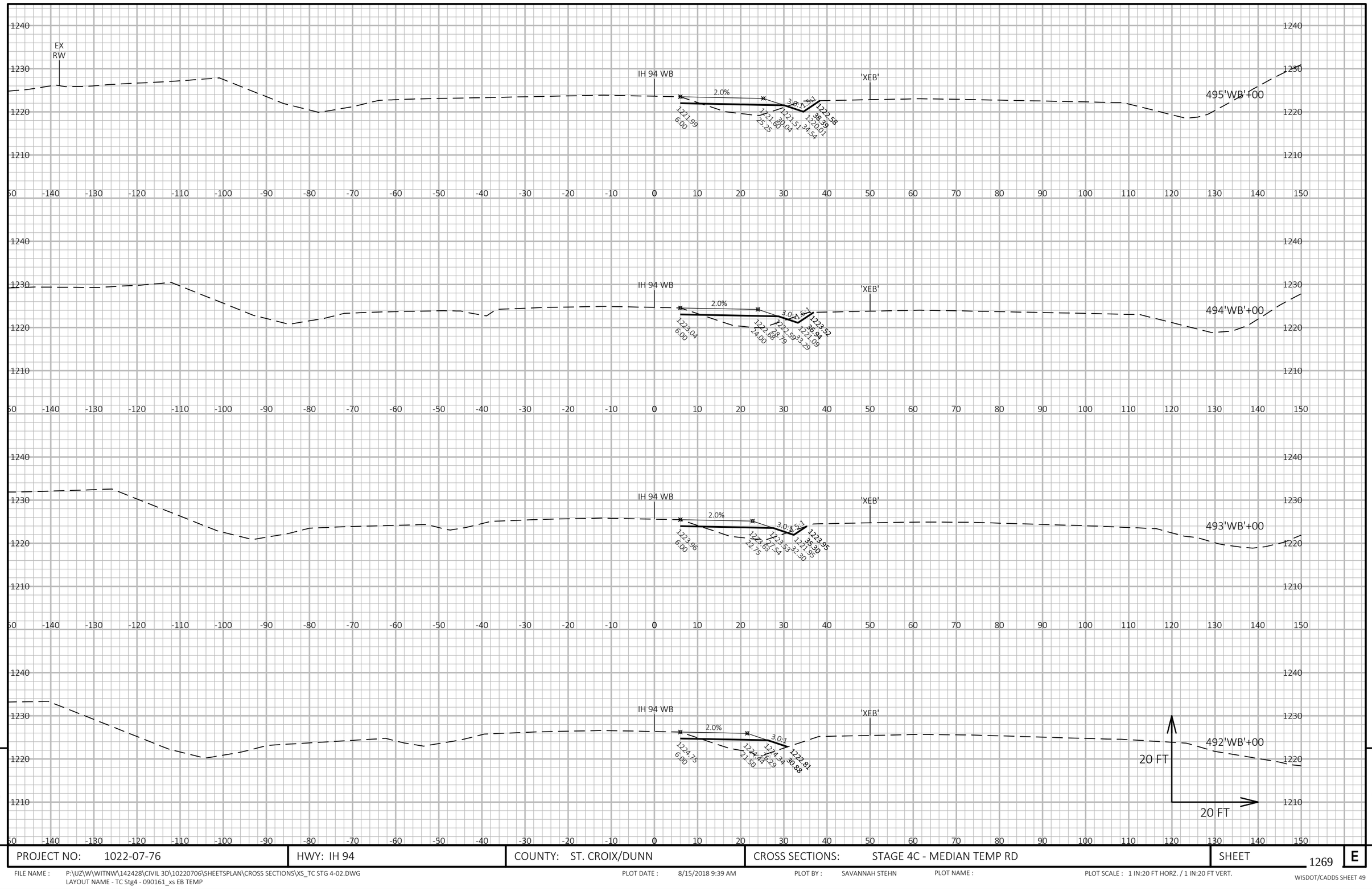
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1268	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090160_xs EB TEMP

PLOT DATE : 8/15/2018 9:39 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



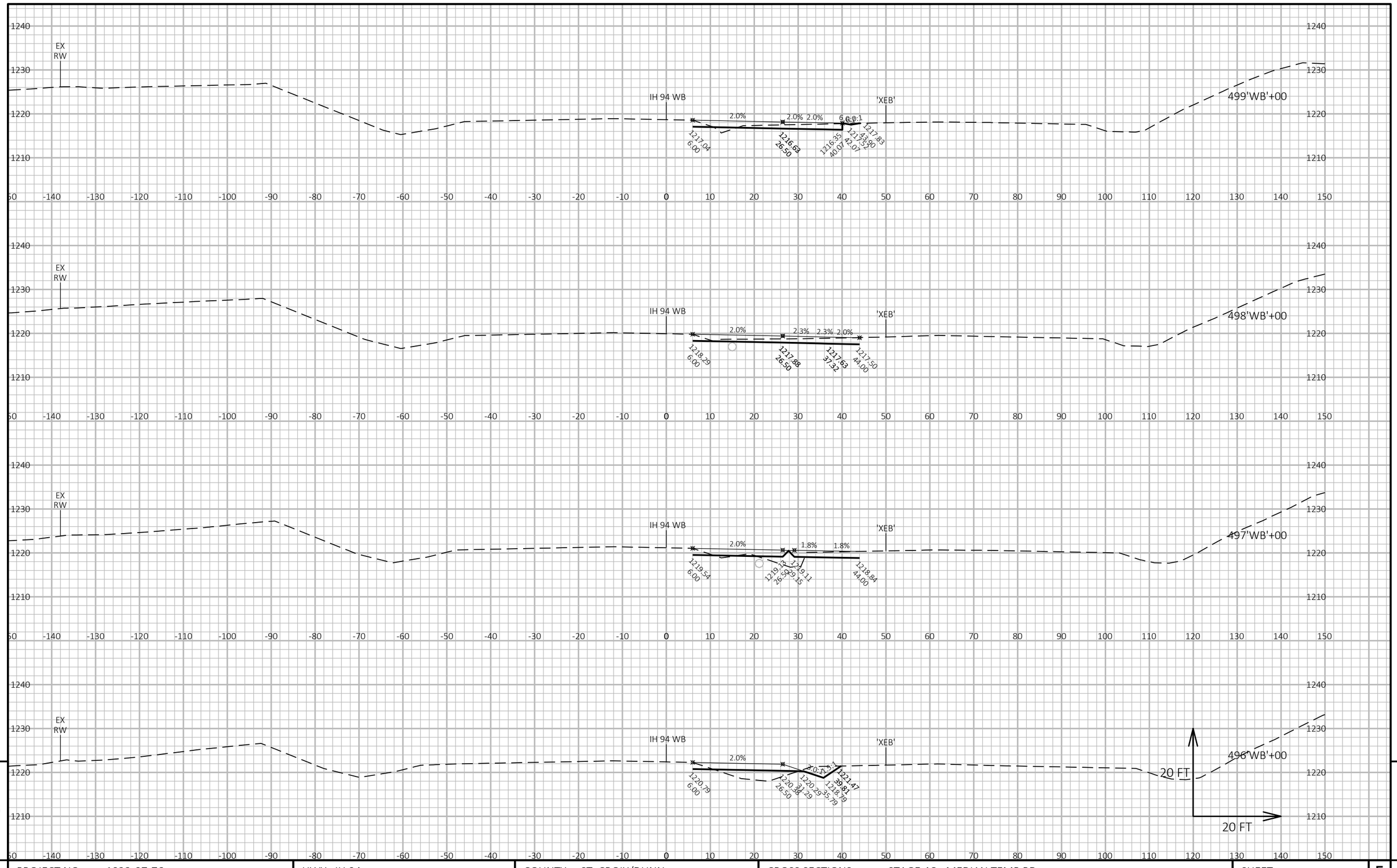
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1269	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090161_xs EB TEMP

PLOT DATE : 8/15/2018 9:39 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



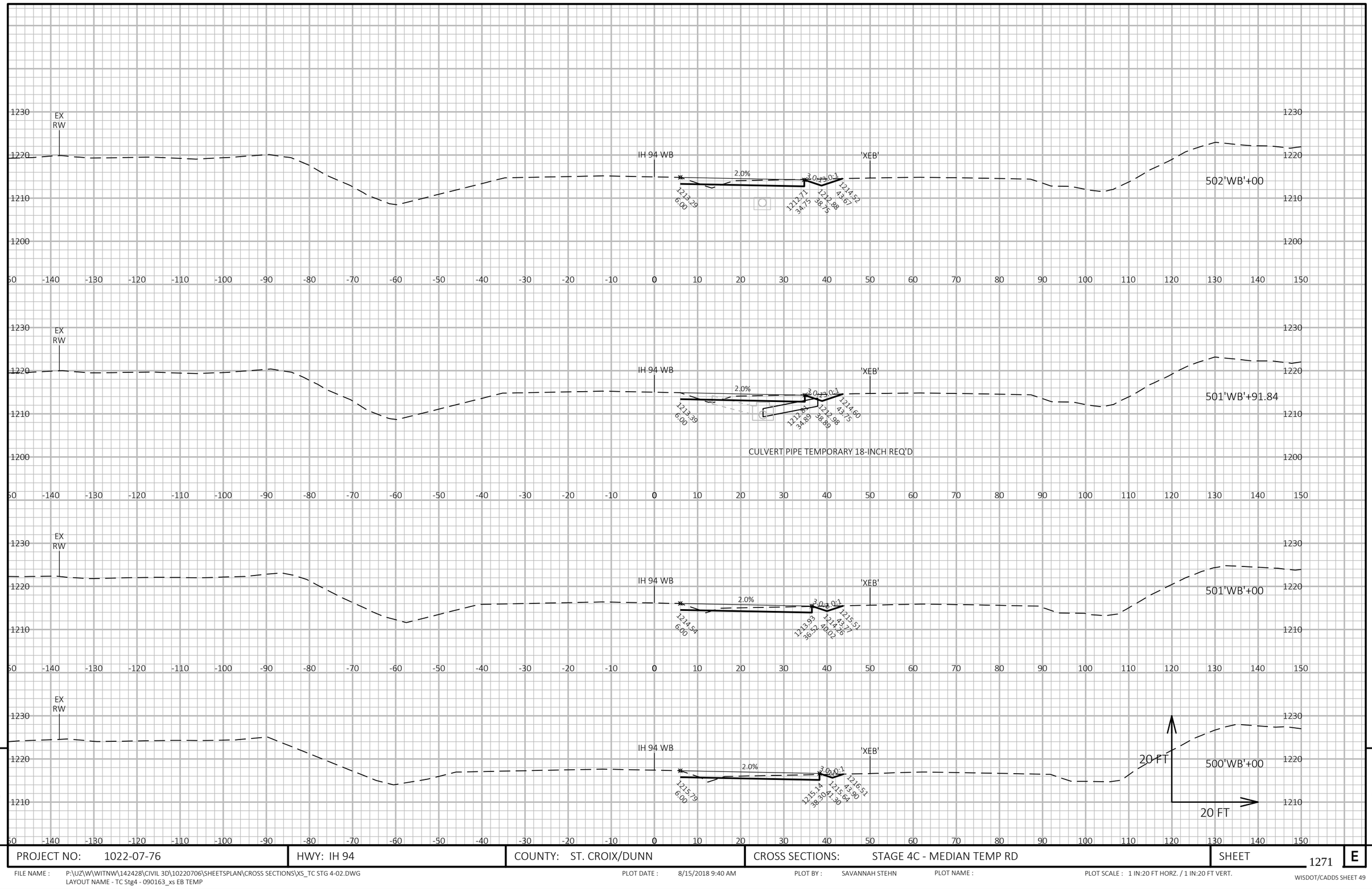
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1270	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090162_xs EB TEMP

PLOT DATE : 8/15/2018 9:39 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



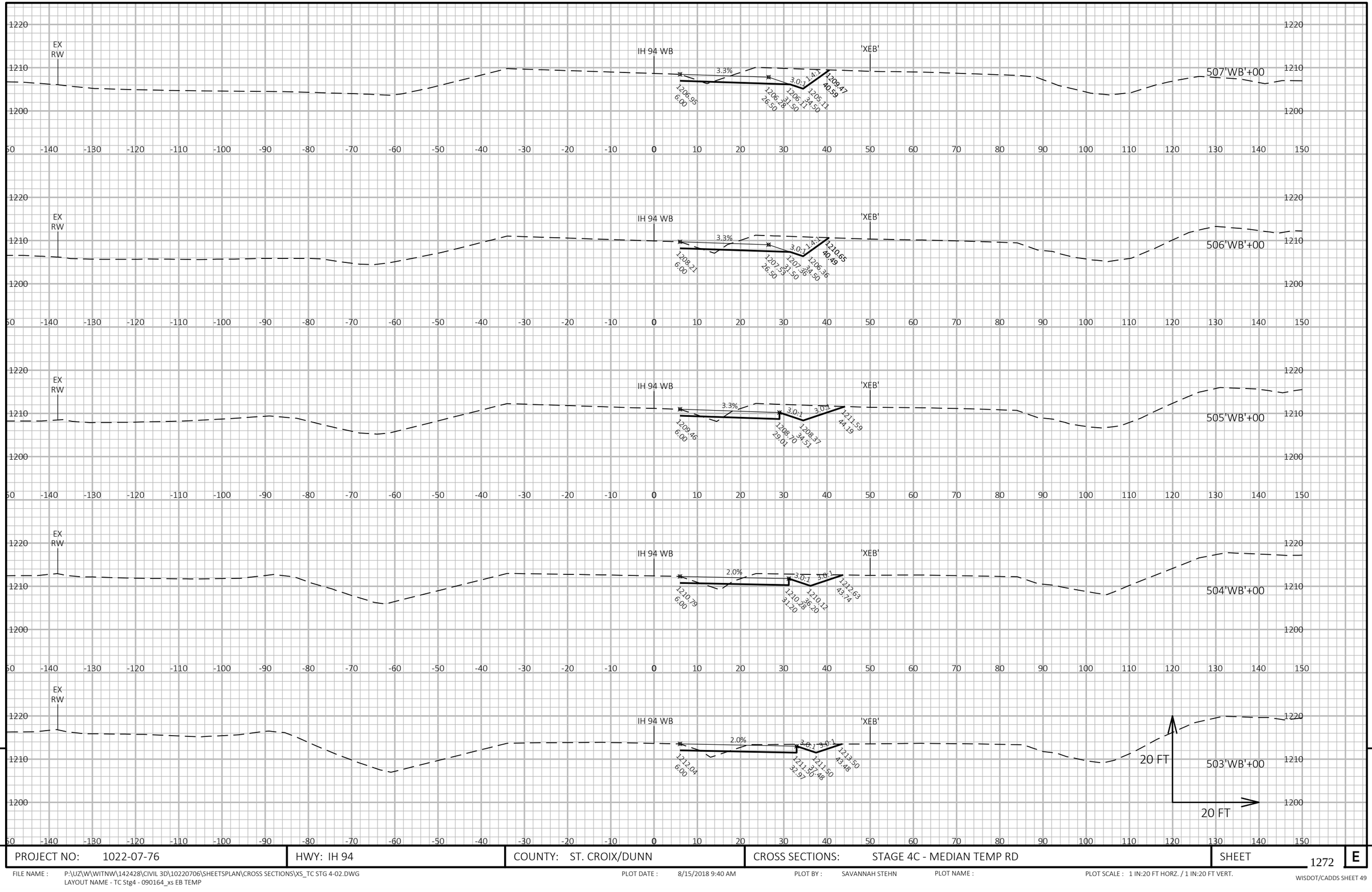
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1271 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090163_xs EB TEMP

PLOT DATE : 8/15/2018 9:40 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

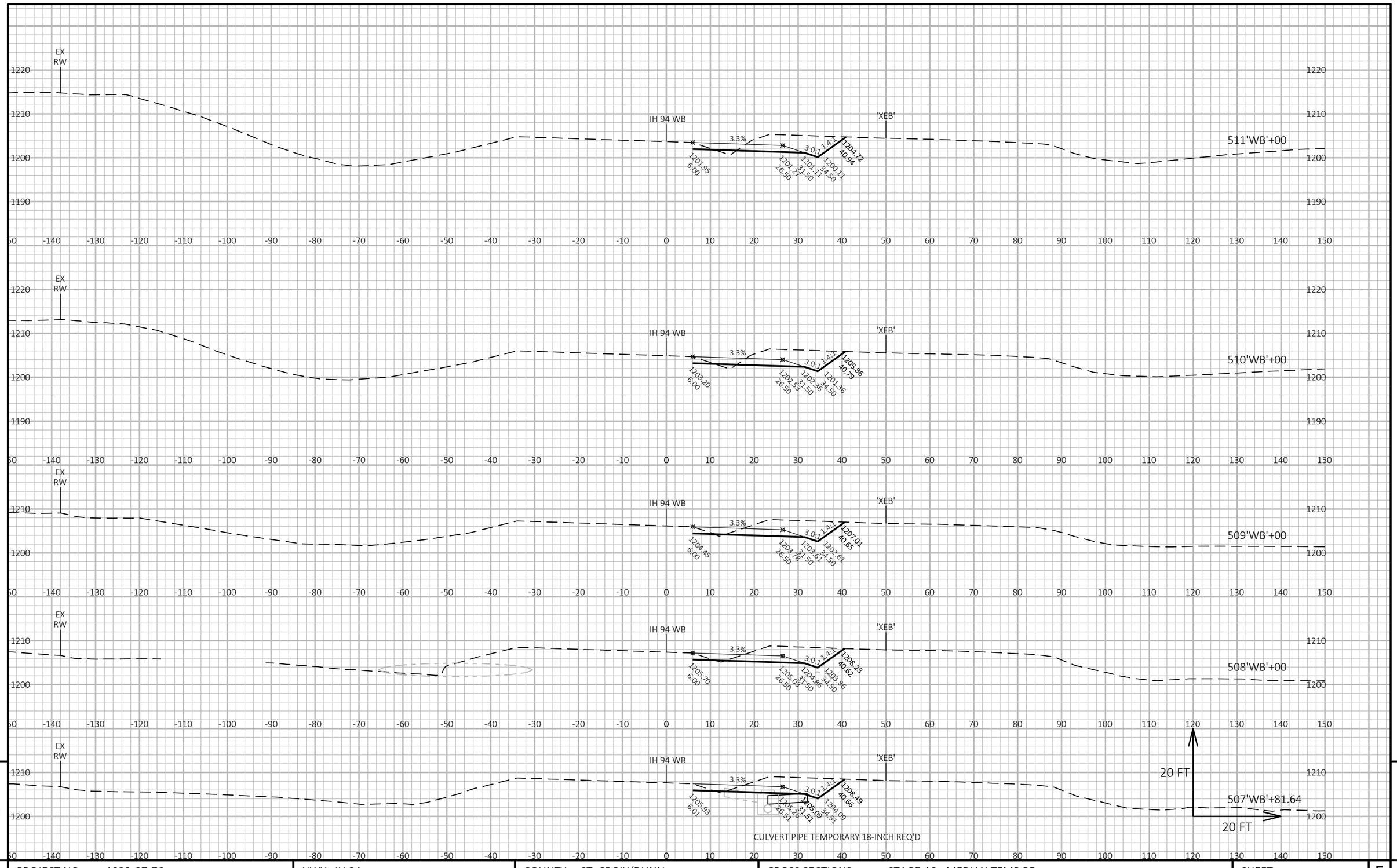
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1272	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090164_xs EB TEMP

PLOT DATE : 8/15/2018 9:40 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

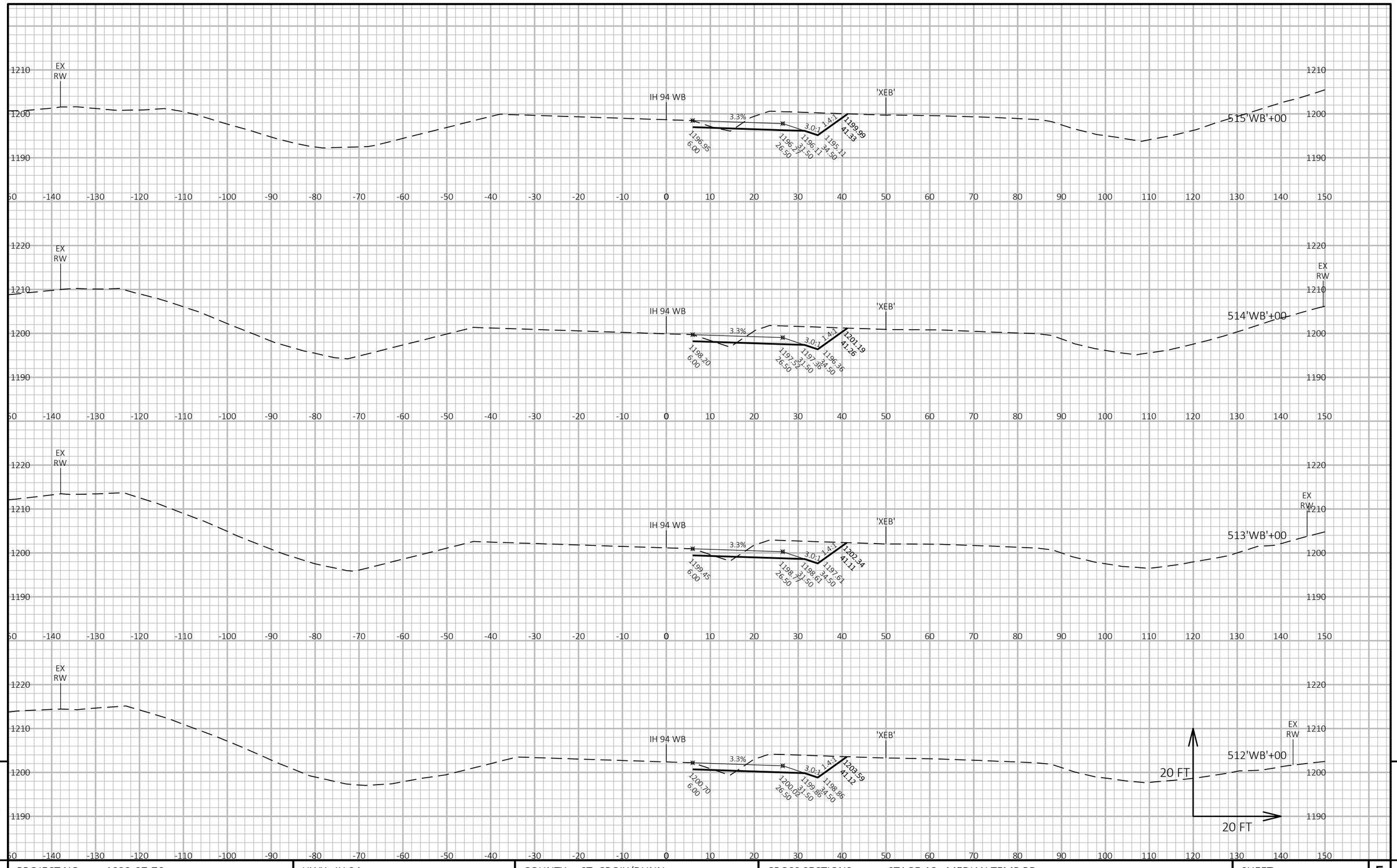


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1273	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090165_xs EB TEMP

PLOT DATE : 8/15/2018 9:40 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



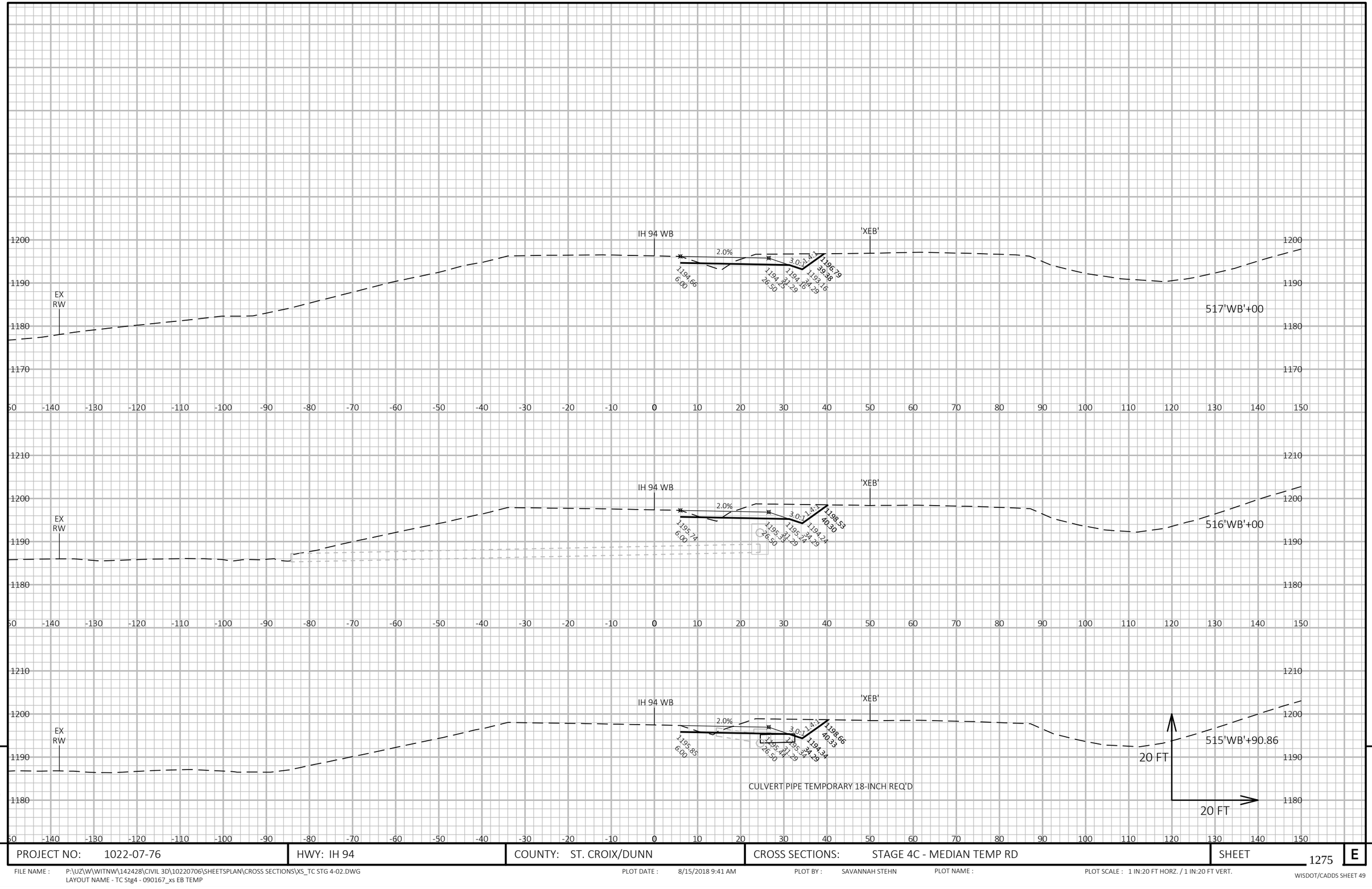
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1274	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090166_xs EB TEMP

PLOT DATE : 8/15/2018 9:40 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

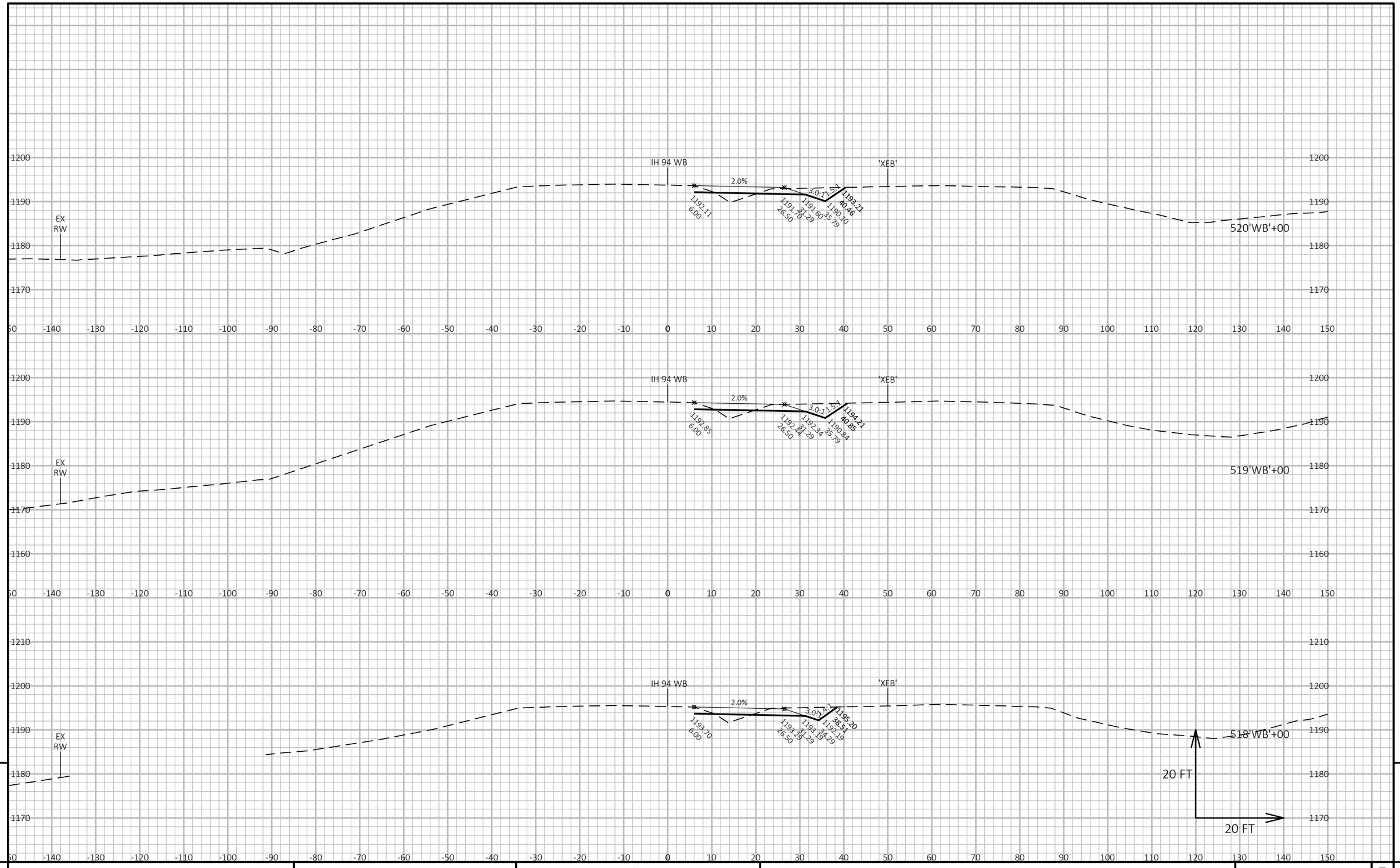


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1275 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090167_xs EB TEMP

PLOT DATE : 8/15/2018 9:41 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

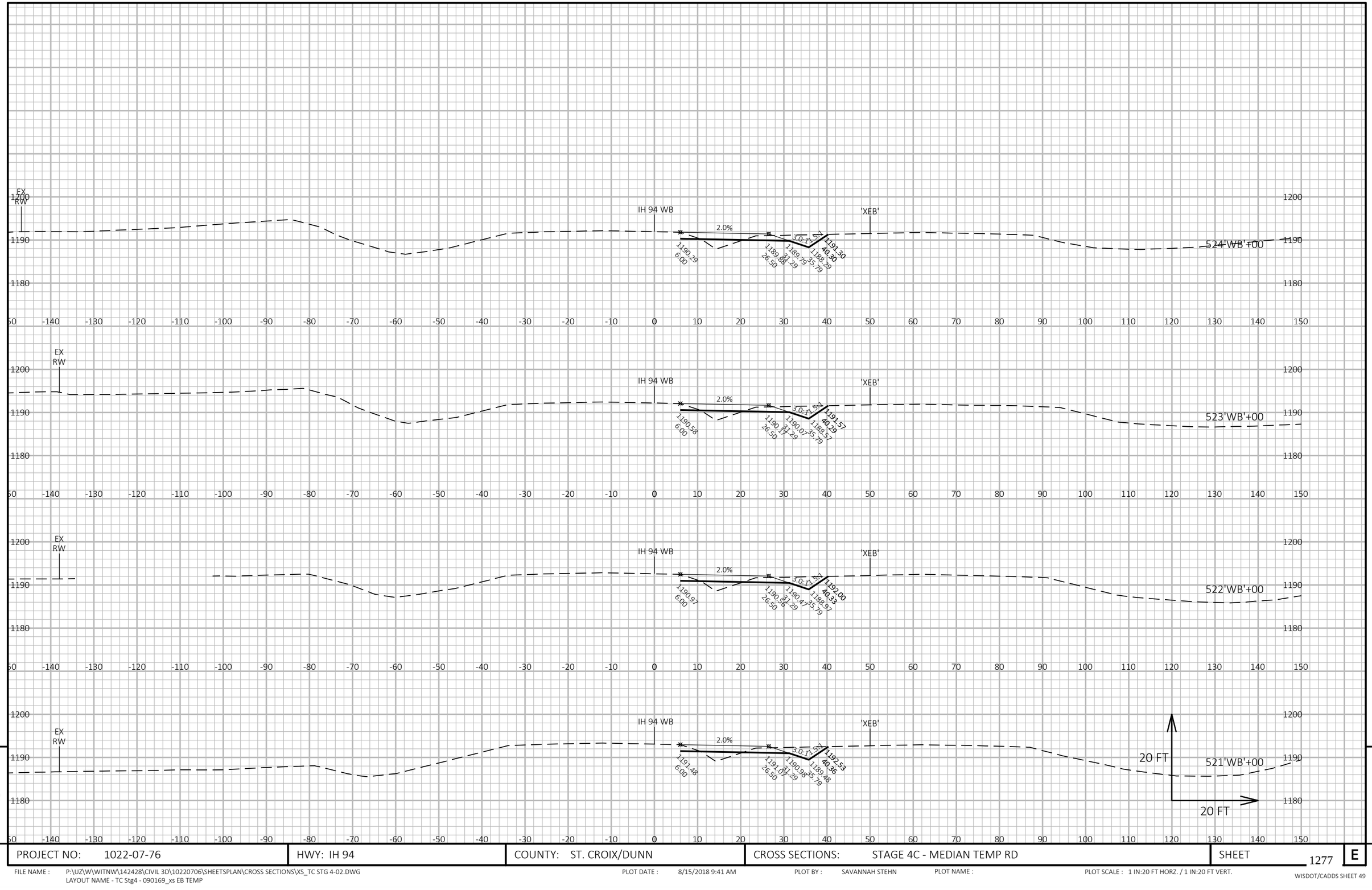


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1276	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090168_xs EB TEMP

PLOT DATE : 8/15/2018 9:41 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

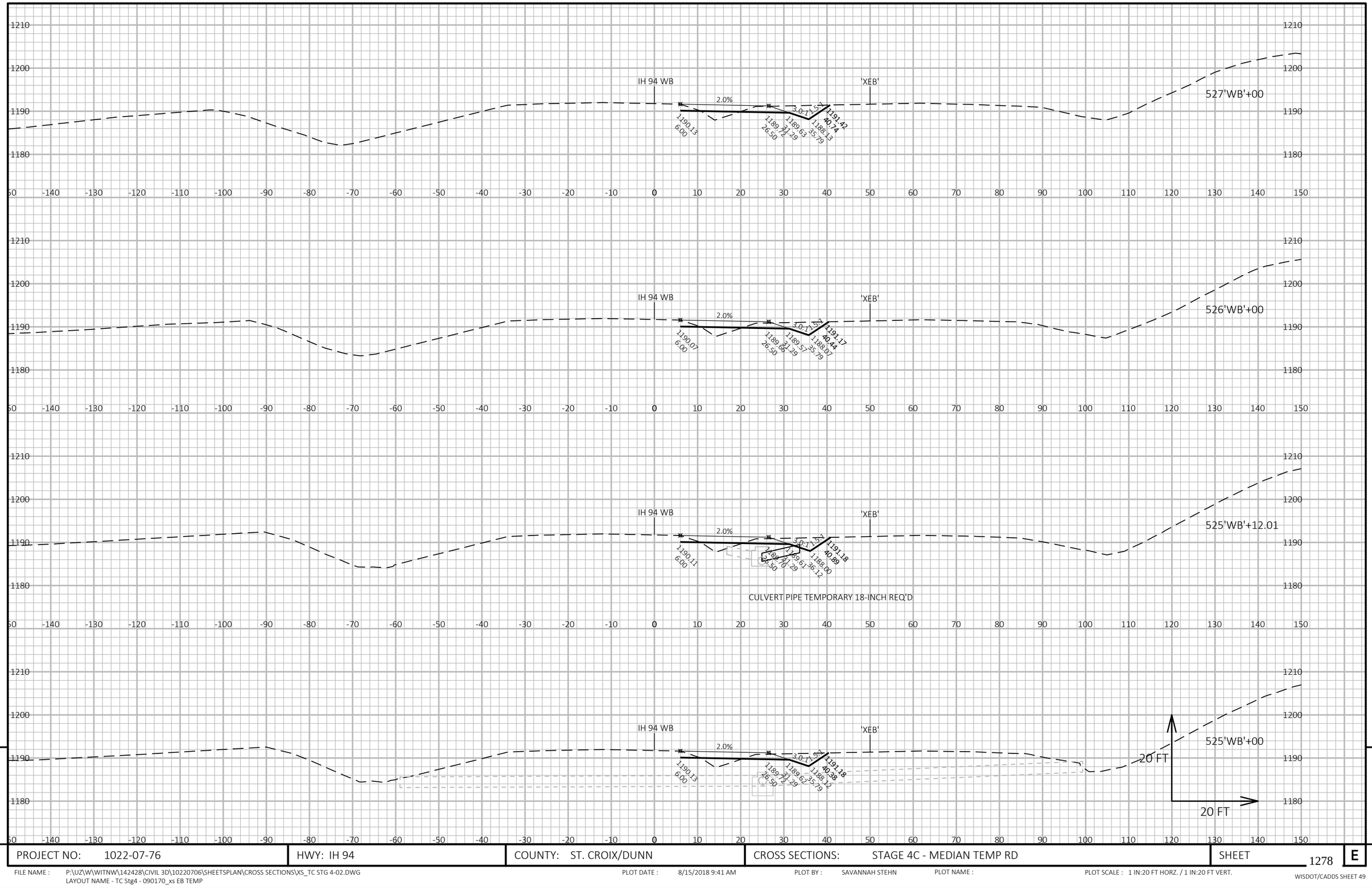
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1277	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090169_xs EB TEMP

PLOT DATE : 8/15/2018 9:41 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



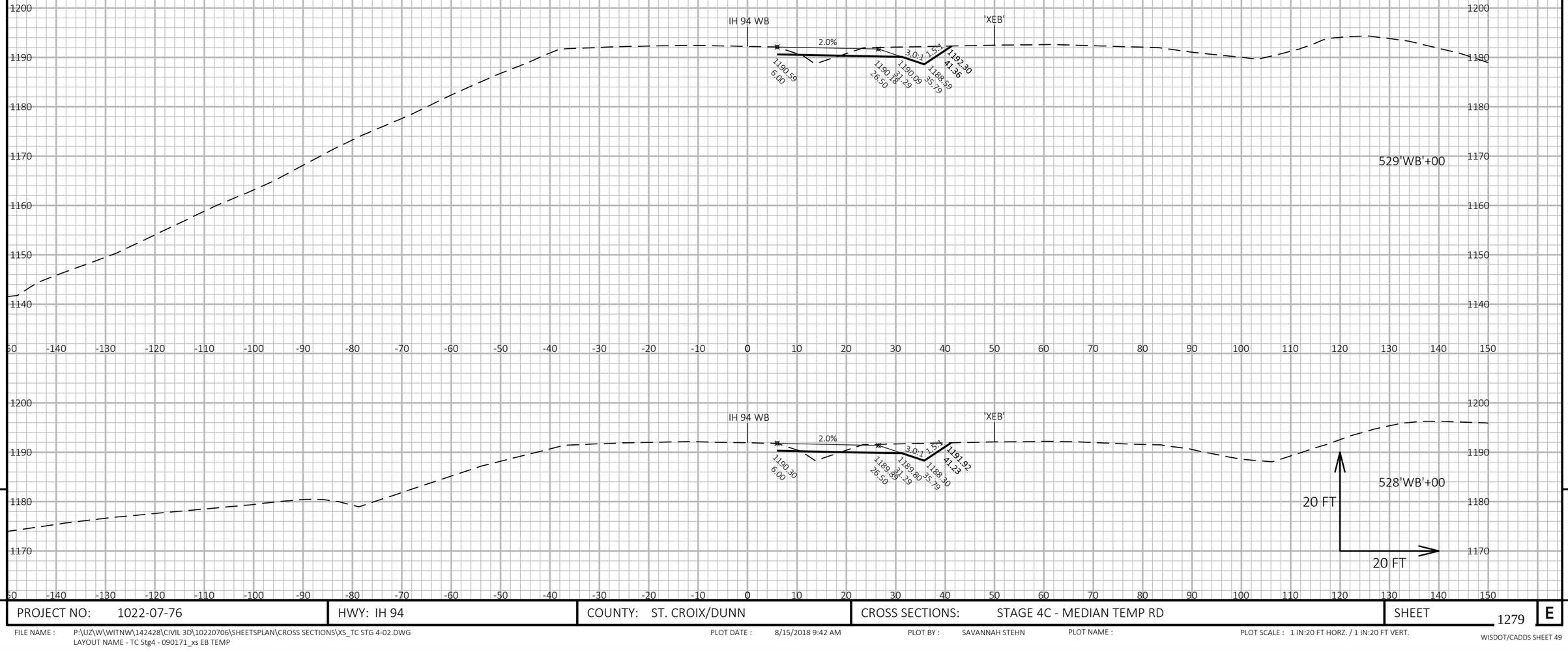
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1278	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090170_xs EB TEMP

PLOT DATE : 8/15/2018 9:41 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



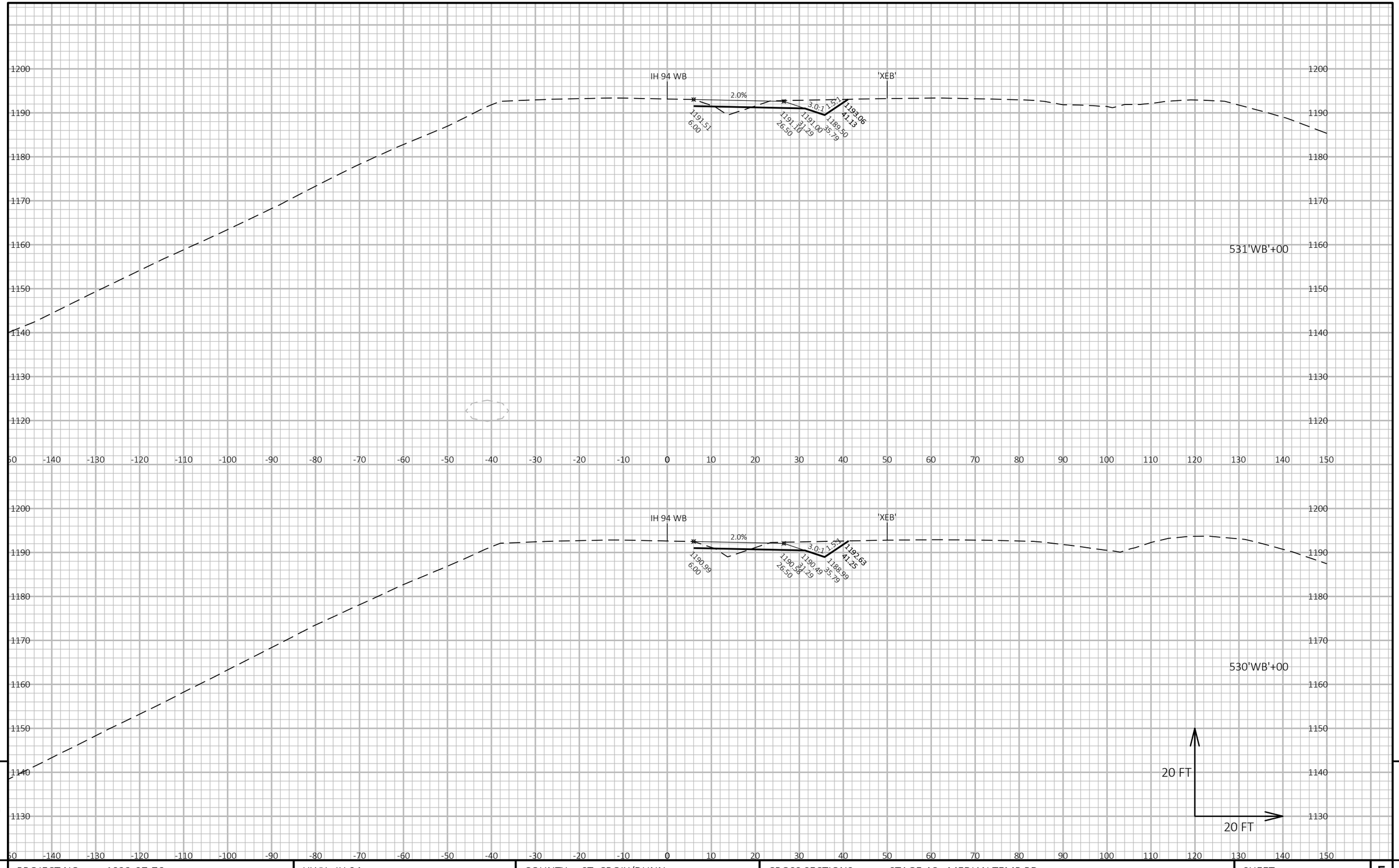
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1279	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090171_xs EB TEMP

PLOT DATE : 8/15/2018 9:42 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

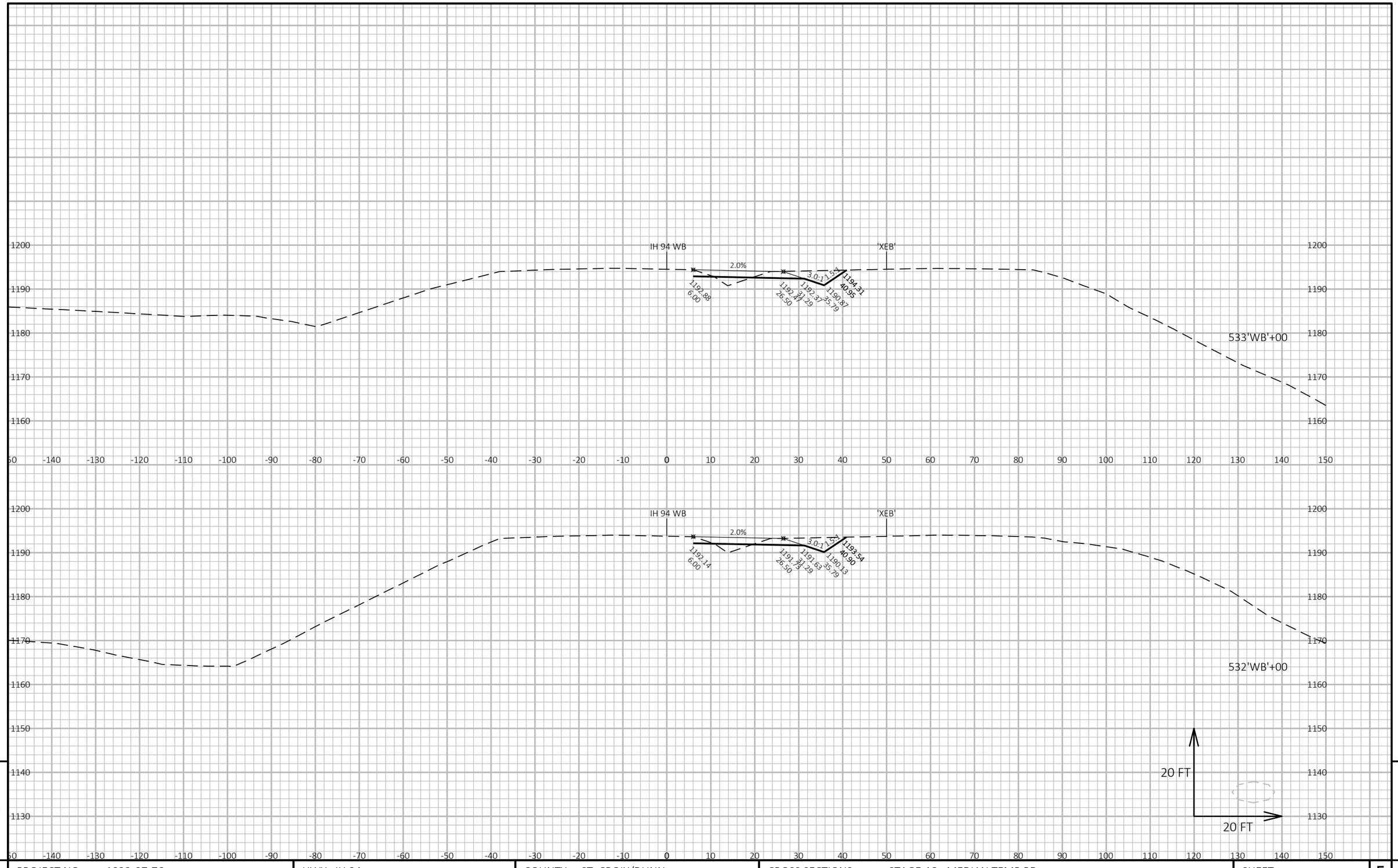


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1280	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090172_xs EB TEMP

PLOT DATE : 8/15/2018 9:42 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



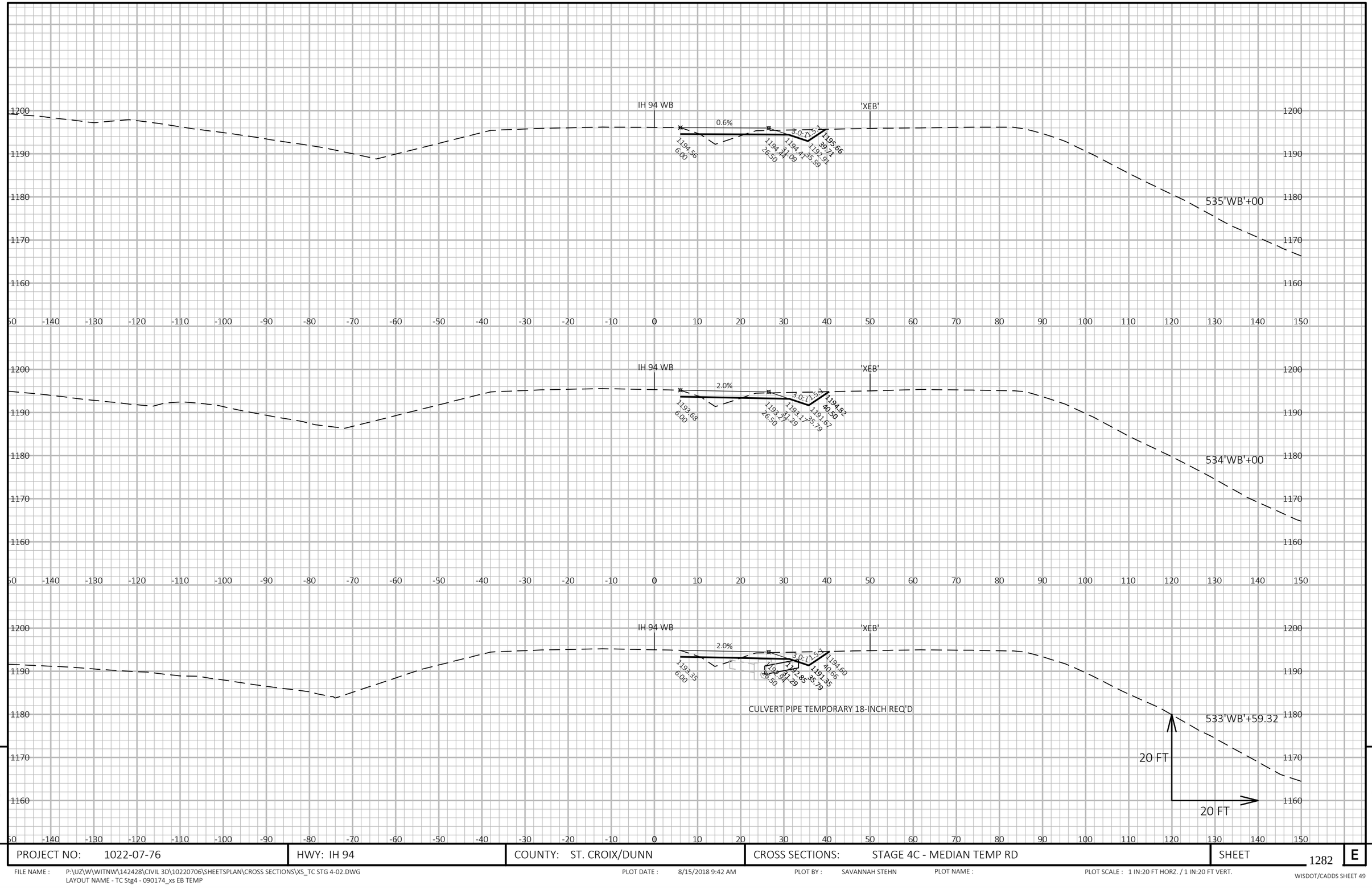
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1281	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090173_xs EB TEMP

PLOT DATE : 8/15/2018 9:42 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



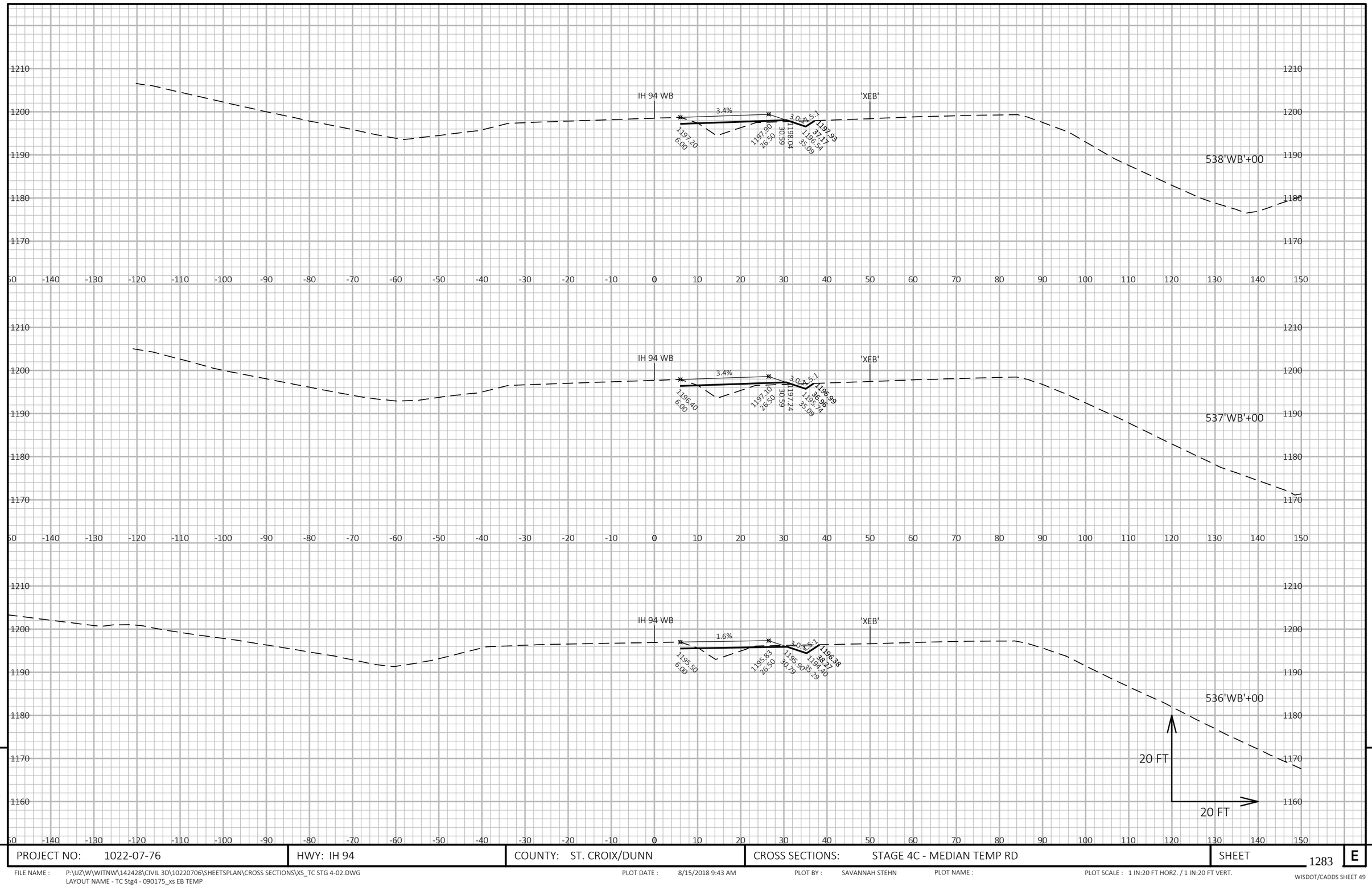
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1282	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090174_xs EB TEMP

PLOT DATE : 8/15/2018 9:42 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



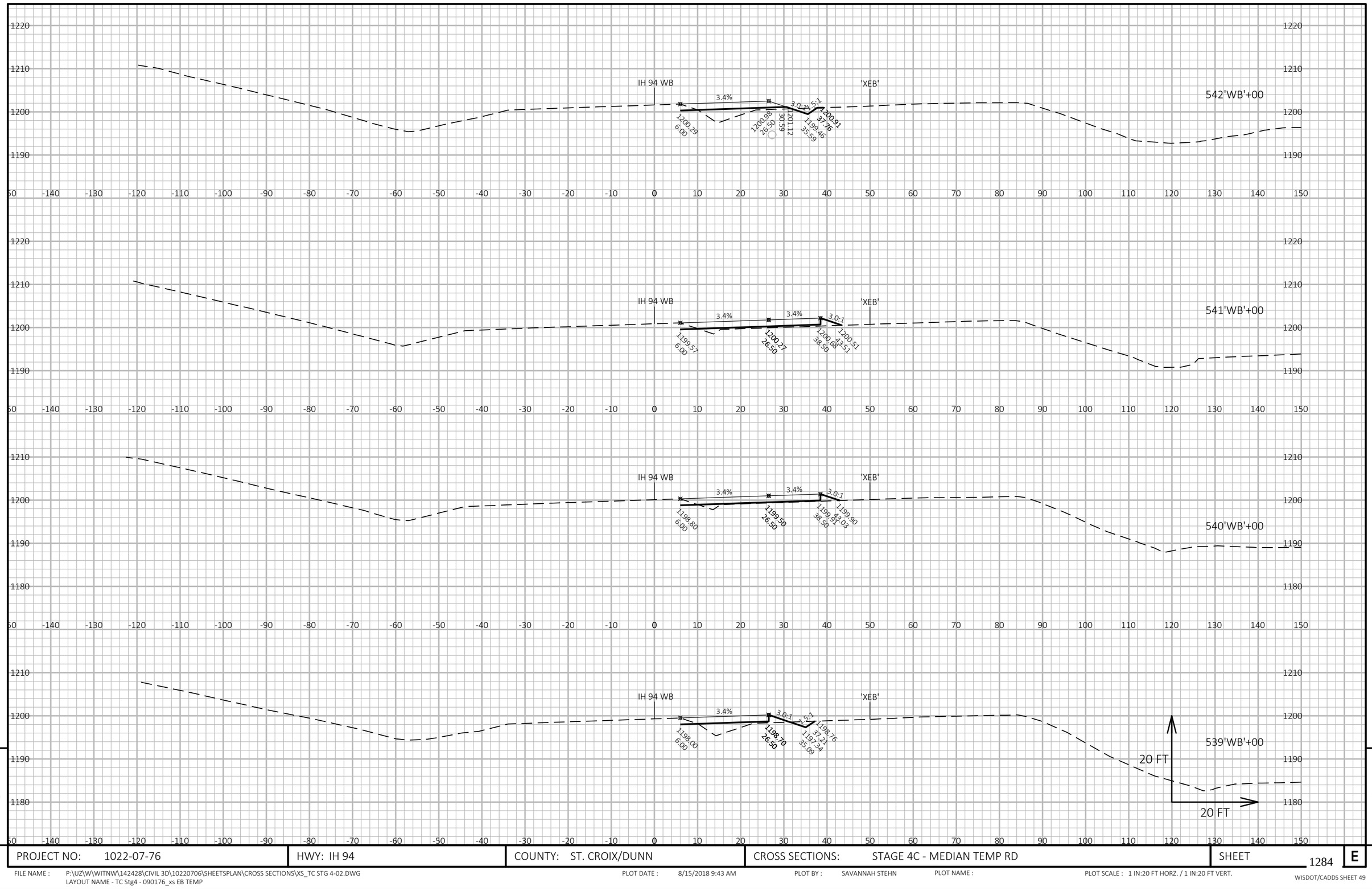
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1283	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090175_xs EB TEMP

PLOT DATE : 8/15/2018 9:43 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



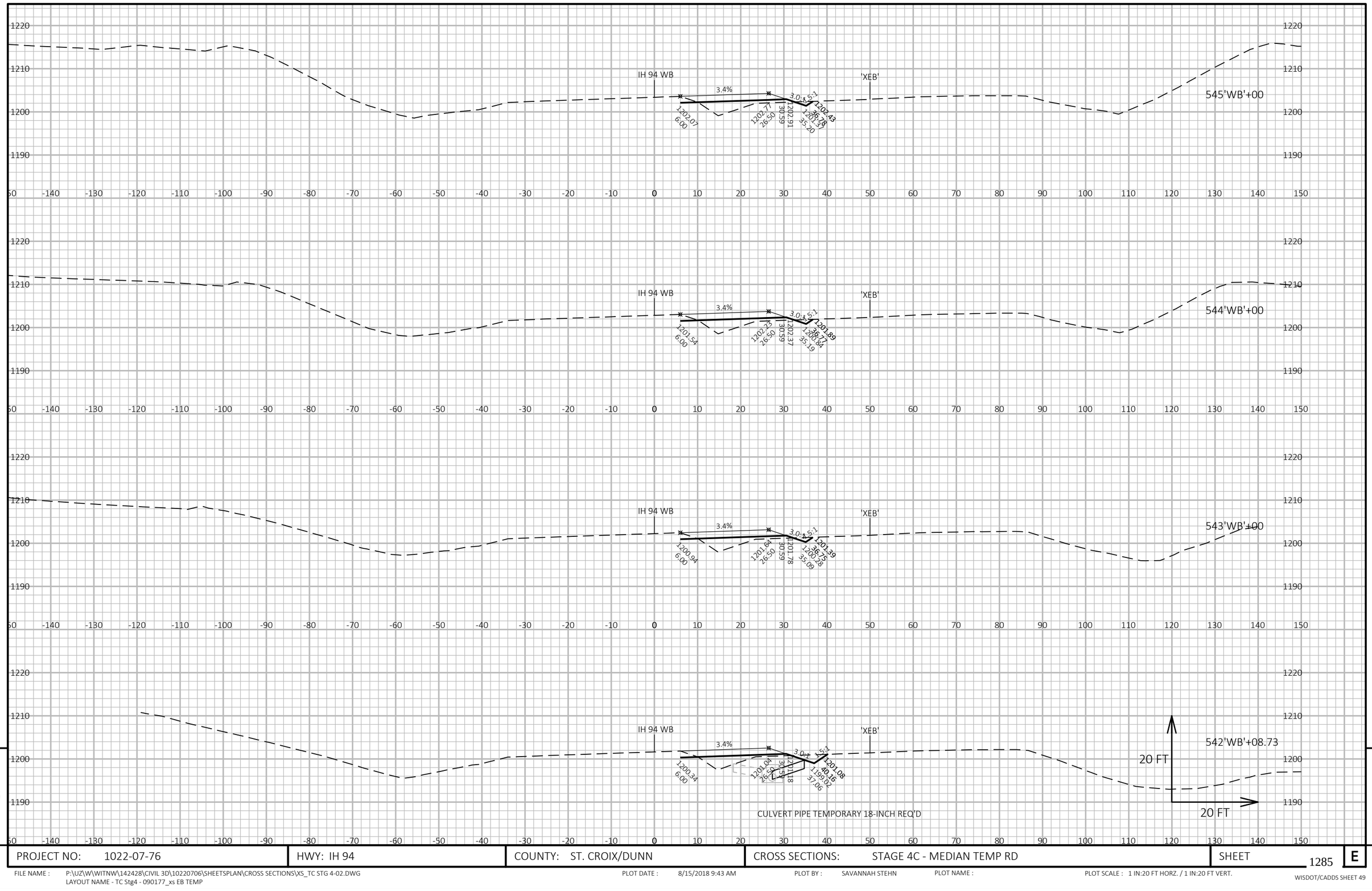
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1284	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090176_xs EB TEMP

PLOT DATE : 8/15/2018 9:43 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



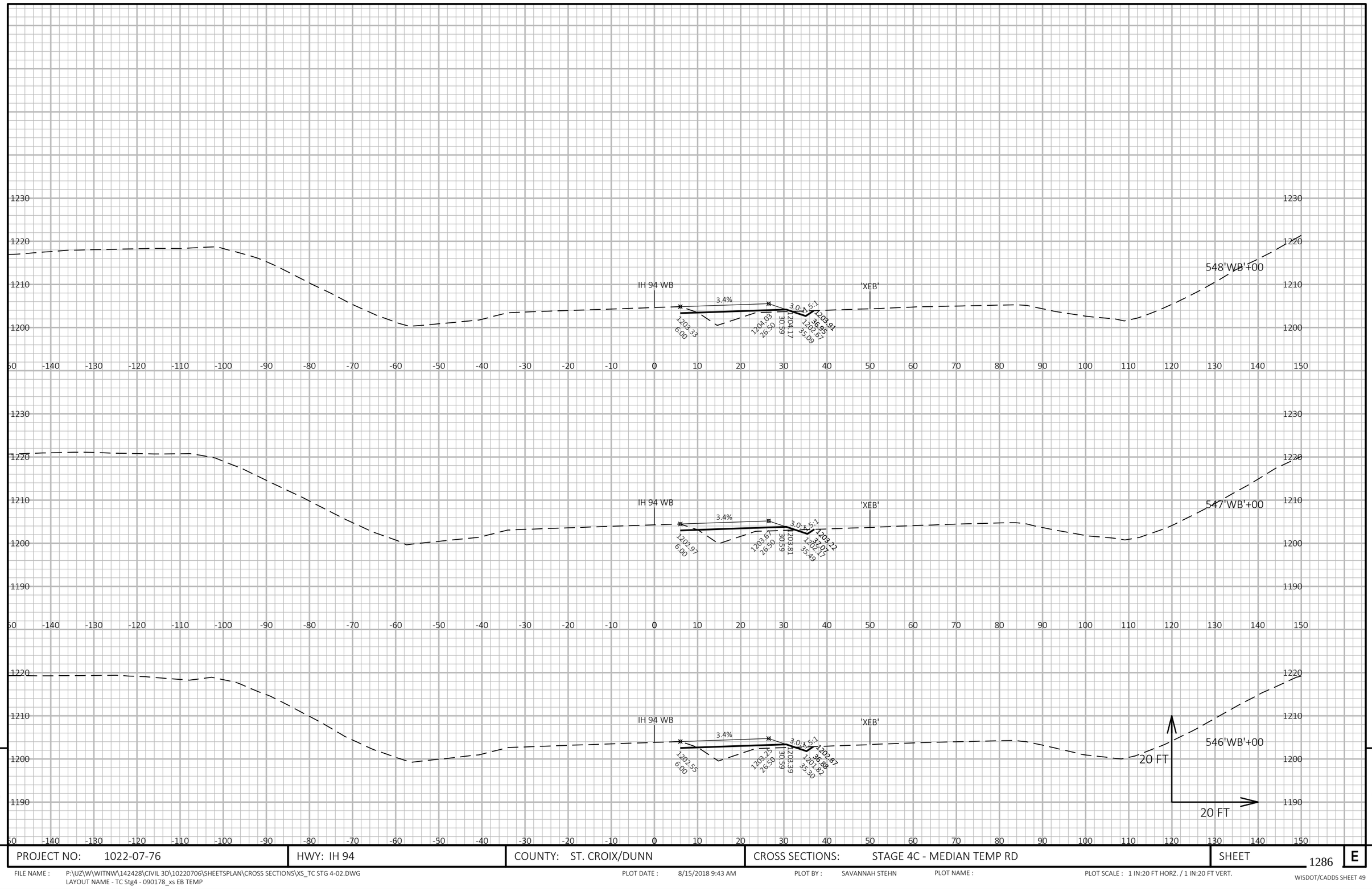
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1285	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090177_xs EB TEMP

PLOT DATE : 8/15/2018 9:43 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



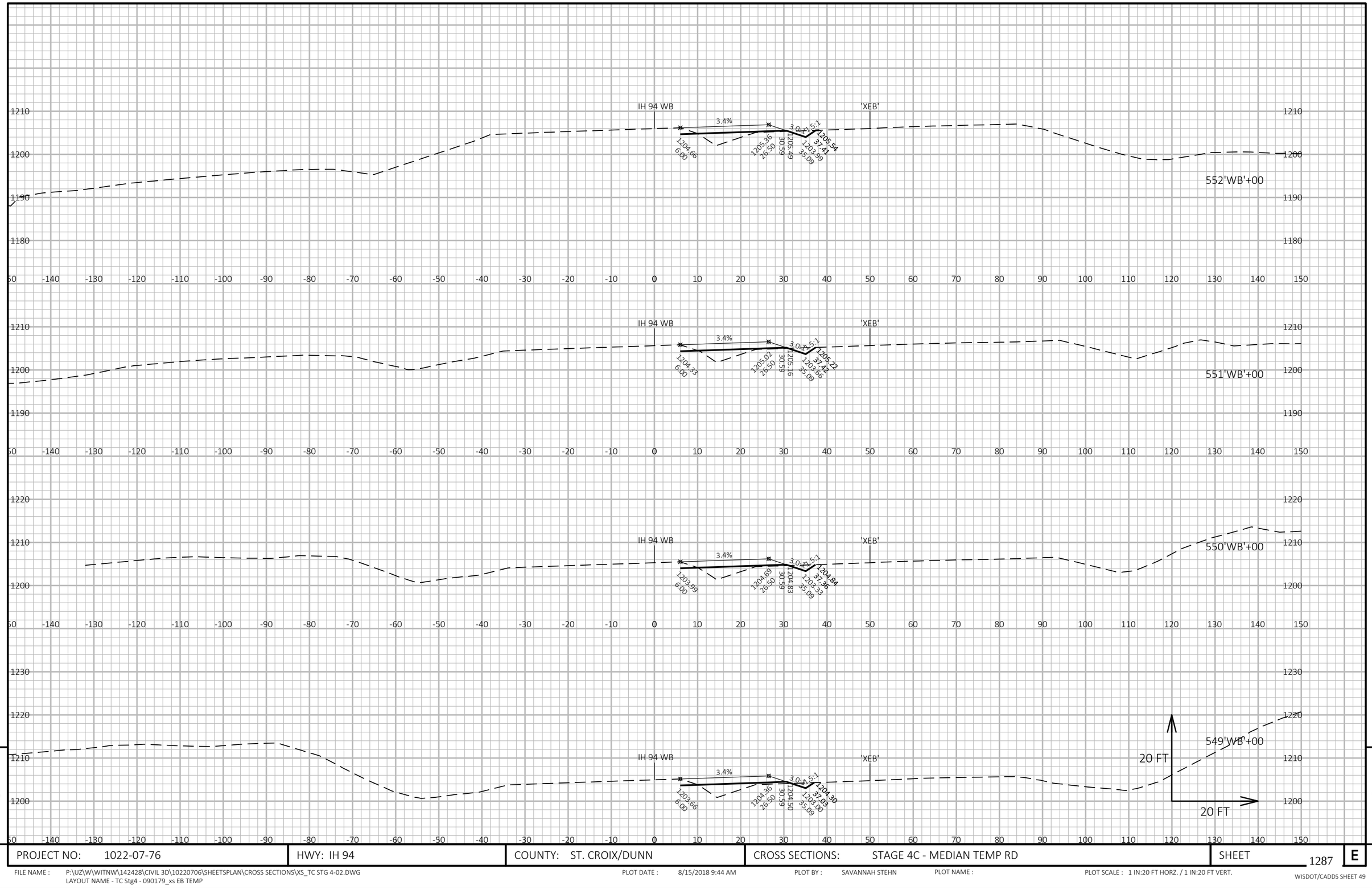
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1286	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090178_xs EB TEMP

PLOT DATE : 8/15/2018 9:43 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1287	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090179_xs EB TEMP

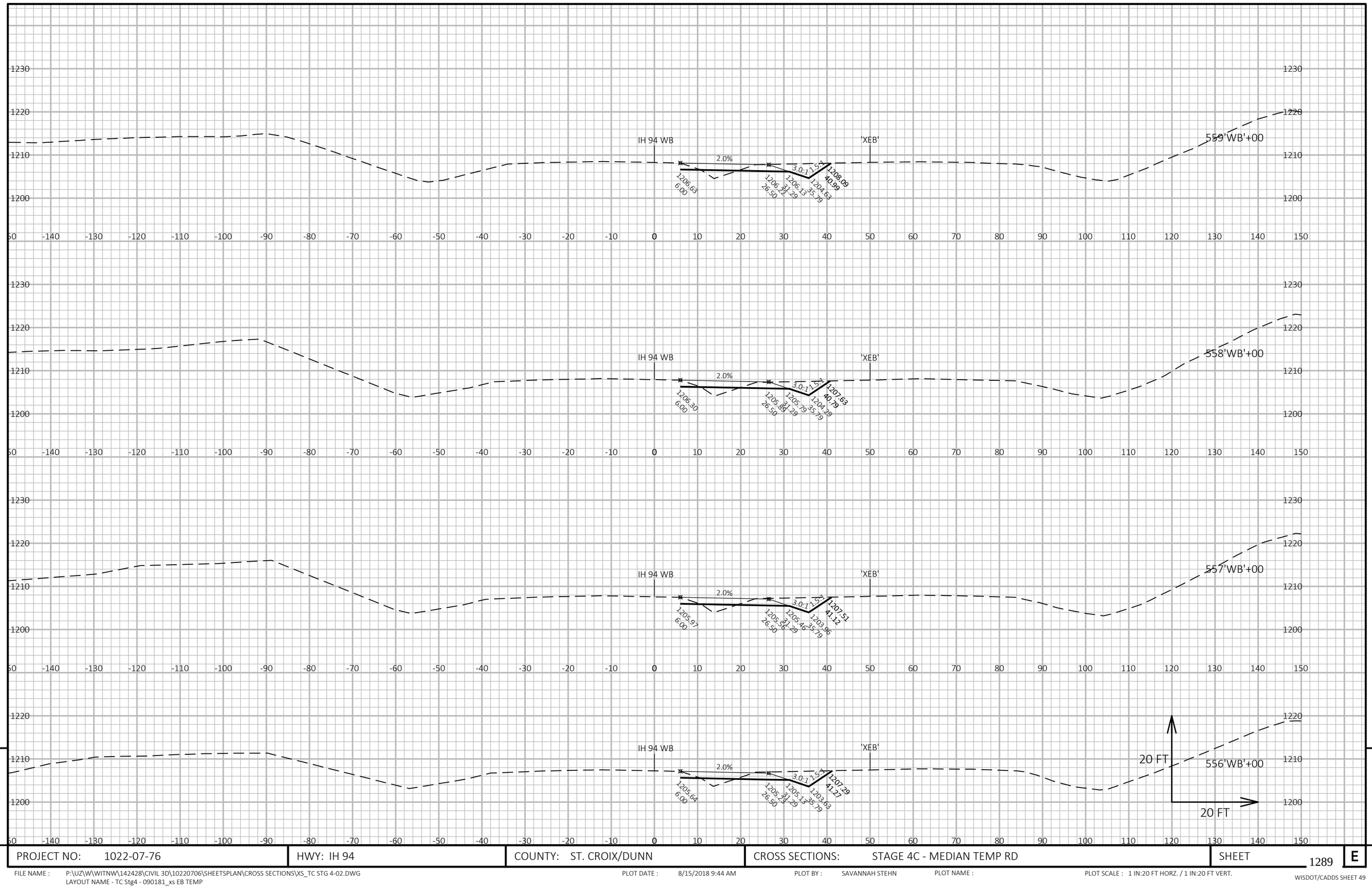
PLOT DATE : 8/15/2018 9:44 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1288 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090180_xs EB TEMP

PLOT DATE : 8/15/2018 9:44 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



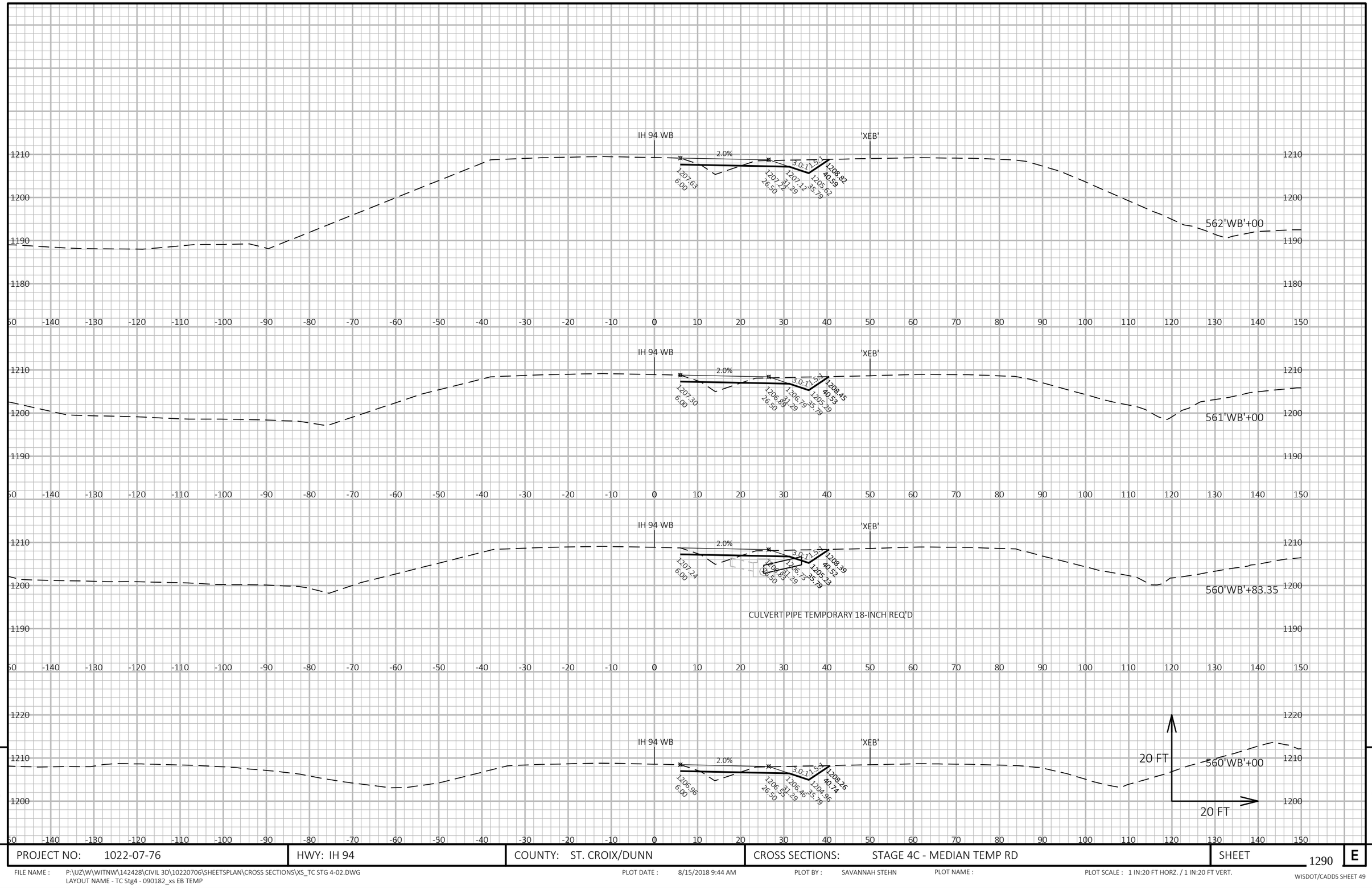
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1289	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090181_xs EB TEMP

PLOT DATE : 8/15/2018 9:44 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

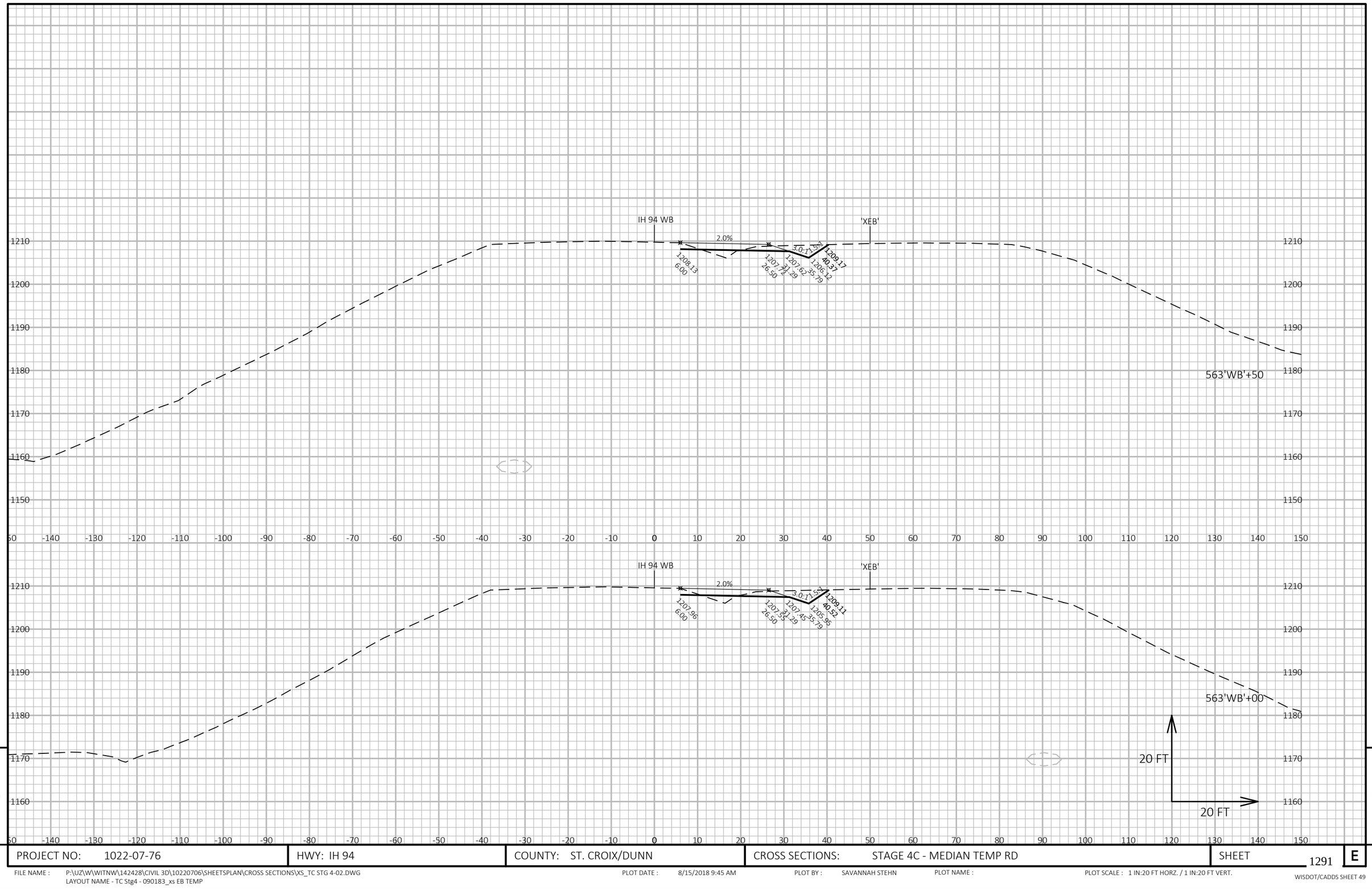


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1290 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090182_xs EB TEMP

PLOT DATE : 8/15/2018 9:44 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



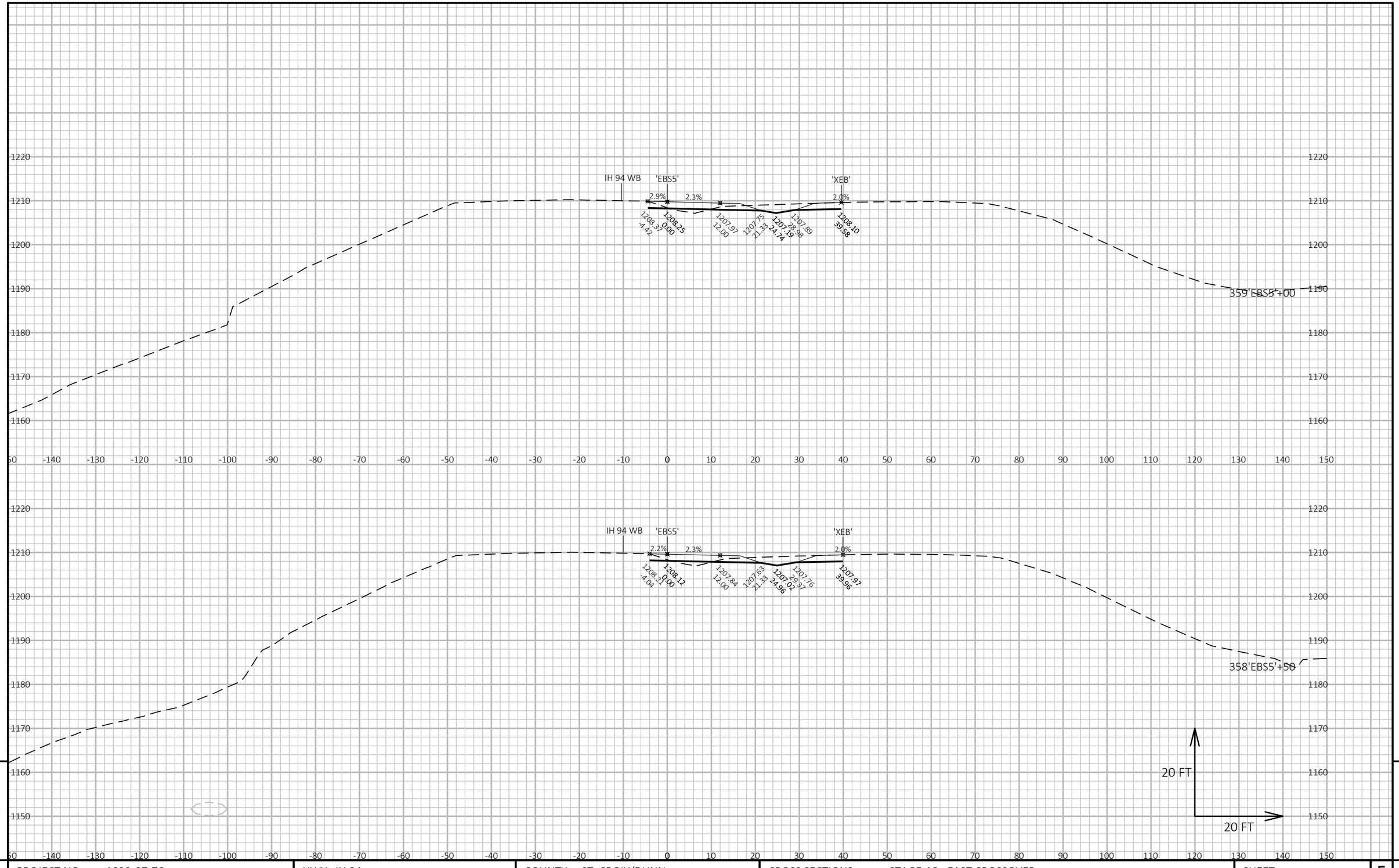
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - MEDIAN TEMP RD	SHEET 1291	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090183_xs EB TEMP

PLOT DATE : 8/15/2018 9:45 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

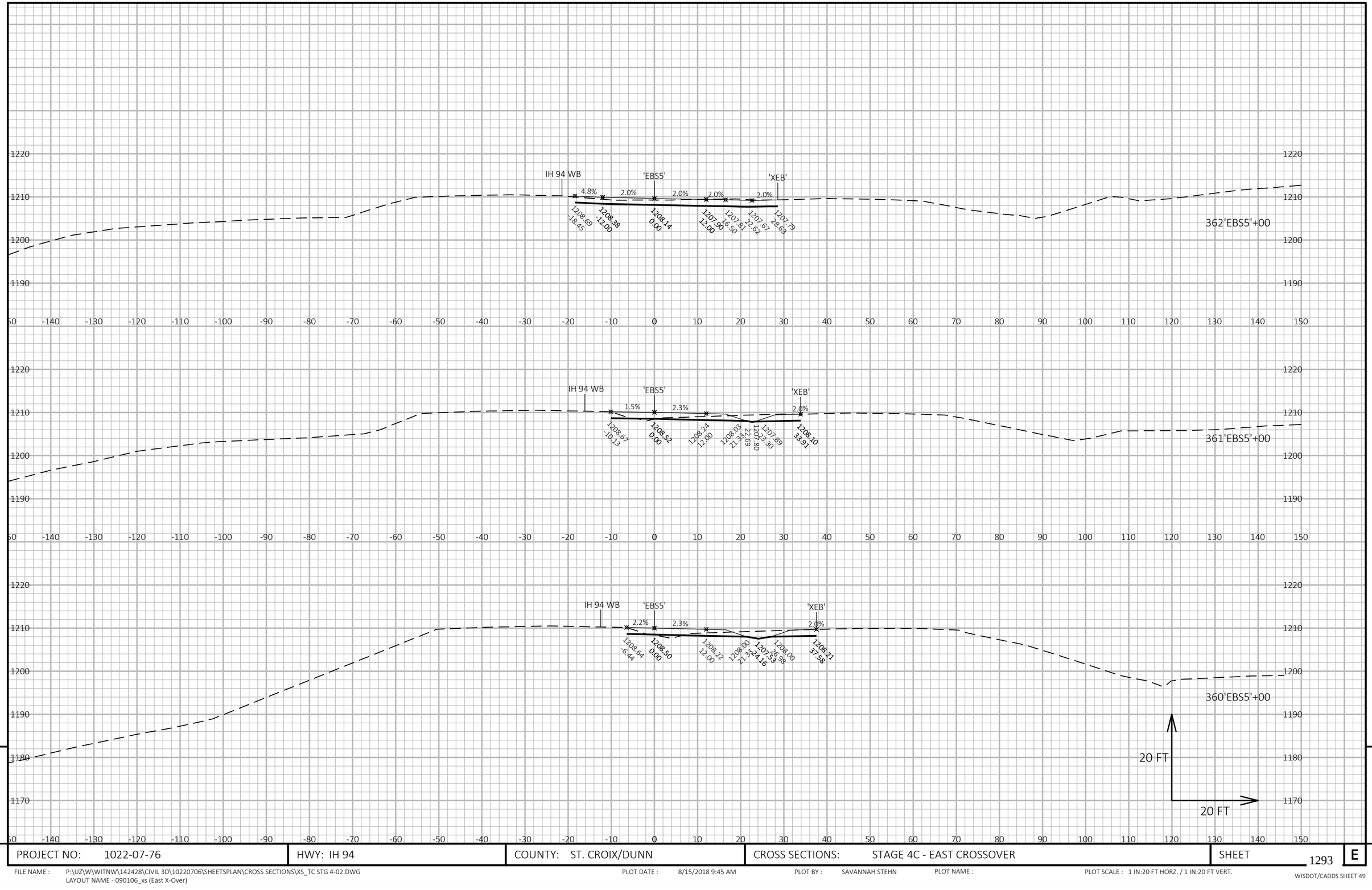
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - EAST CROSSOVER	SHEET 1292	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - 090105_xs (East X-Over)

PLOT DATE : 8/15/2018 9:45 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



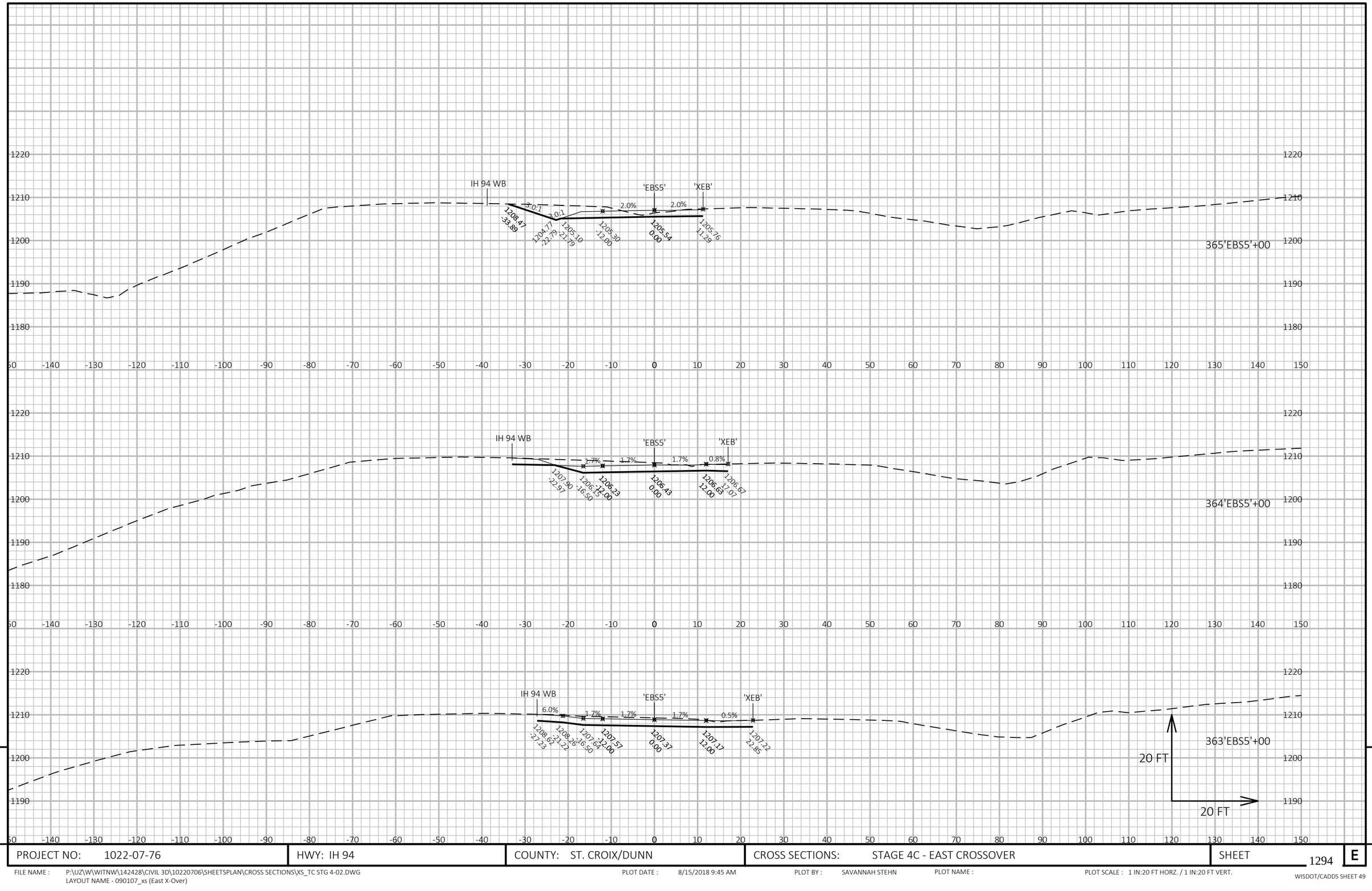
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - EAST CROSSOVER	SHEET 1293 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - 090106_xs (East X-Over)

PLOT DATE : 8/15/2018 9:45 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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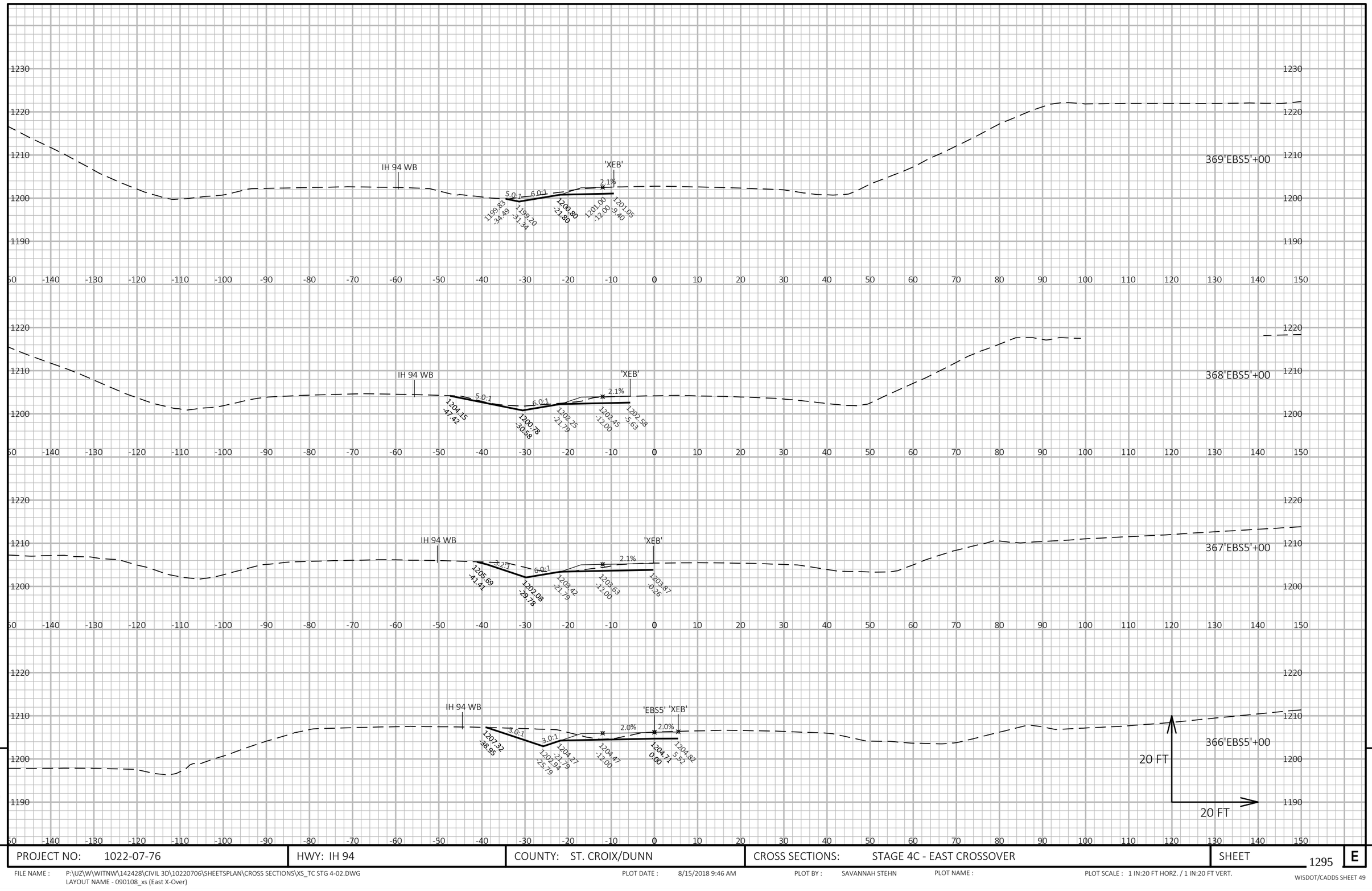
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - EAST CROSSOVER	SHEET 1294 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - 090107_xs (East X-Over)

PLOT DATE : 8/15/2018 9:45 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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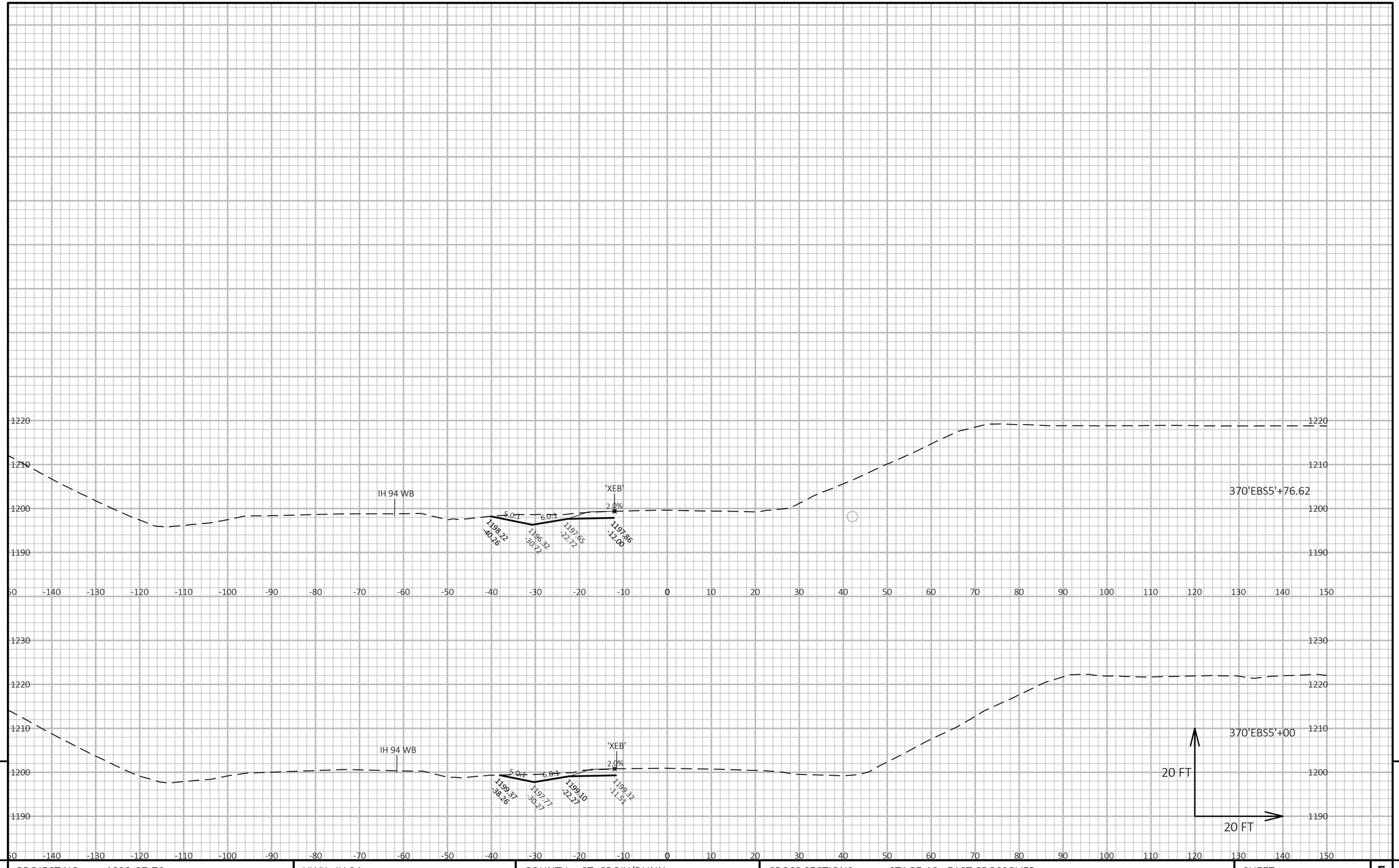
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - EAST CROSSOVER	SHEET 1295	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - 090108_xs (East X-Over)

PLOT DATE : 8/15/2018 9:46 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



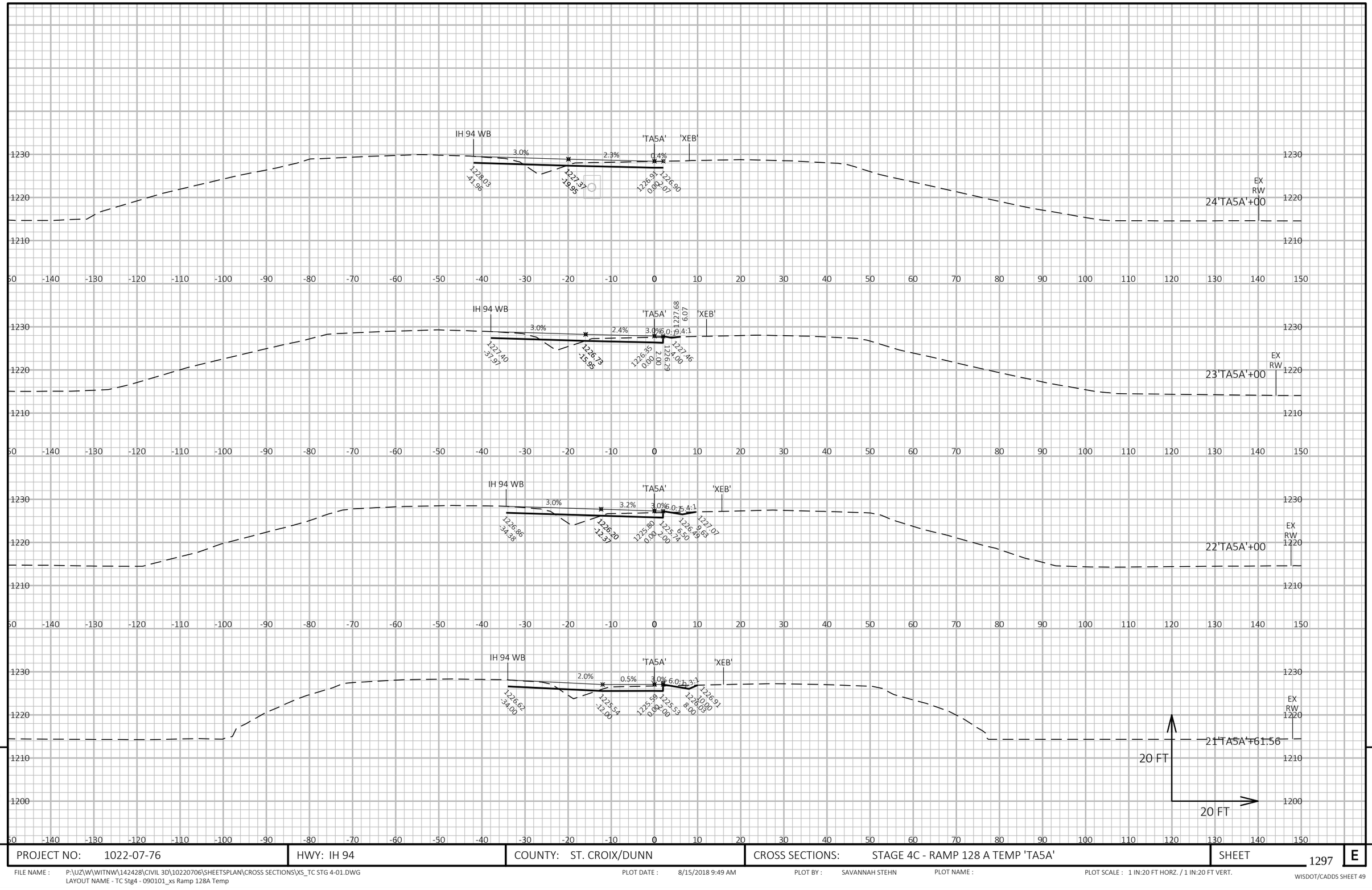
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - EAST CROSSOVER	SHEET 1296	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - 090109_xs (East X-Over)

PLOT DATE : 8/15/2018 9:46 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

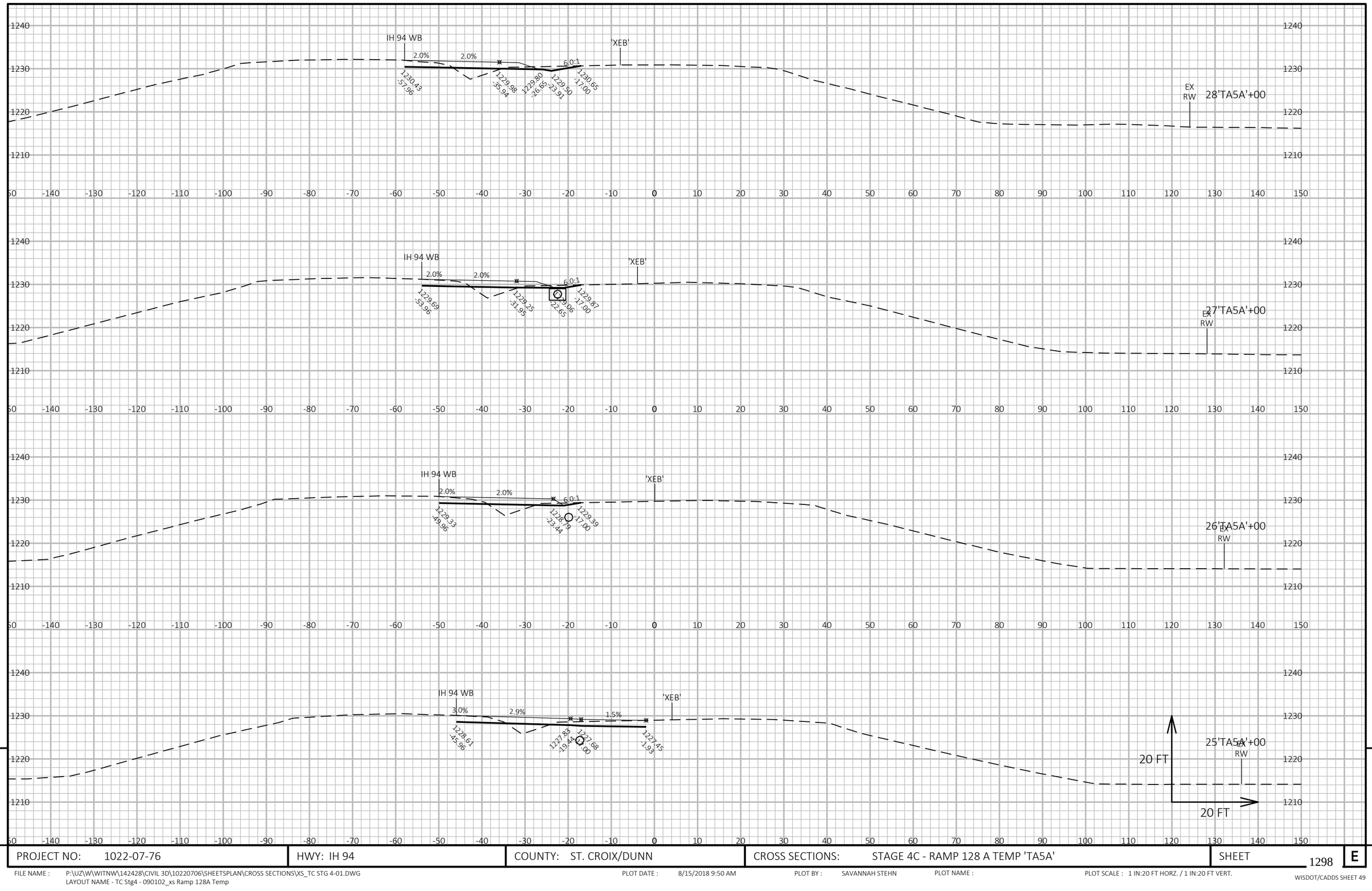


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - RAMP 128 A TEMP 'TA5A'	SHEET 1297	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - TC Stg4 - 090101_xs Ramp 128A Temp

PLOT DATE : 8/15/2018 9:49 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



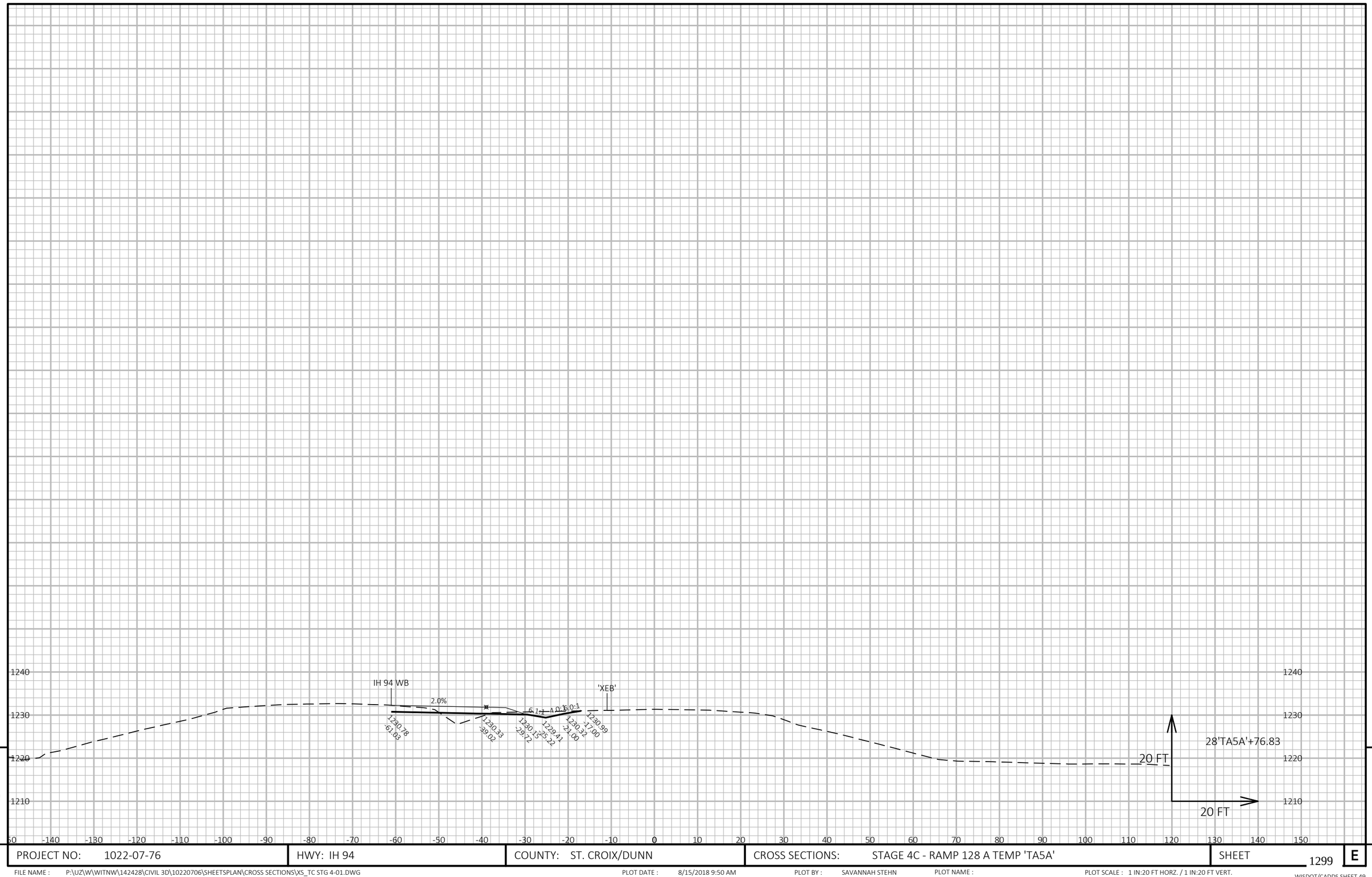
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - RAMP 128 A TEMP 'TA5A'	SHEET 1298	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - TC Stg4 - 090102_xs Ramp 128A Temp

PLOT DATE : 8/15/2018 9:50 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



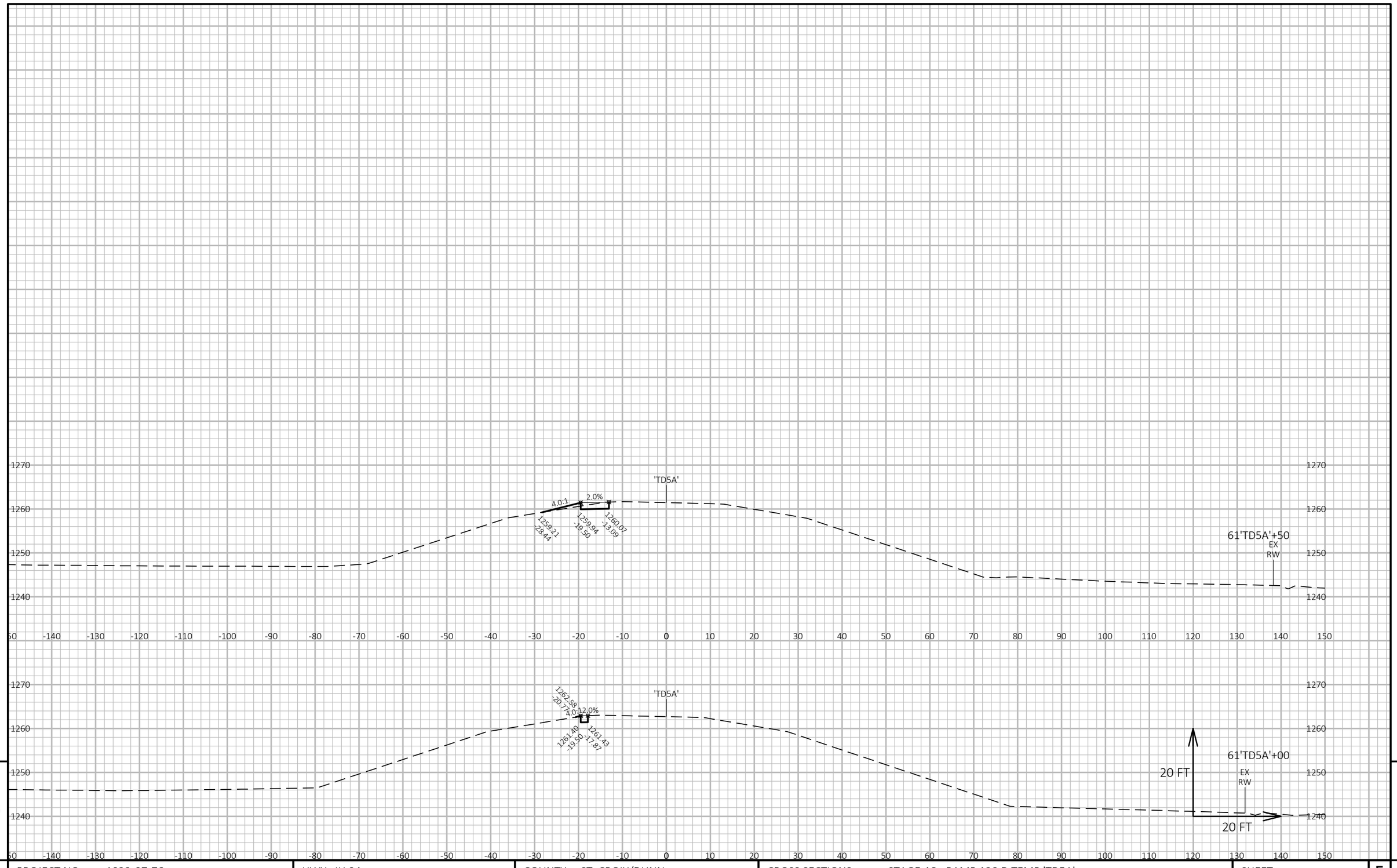
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - RAMP 128 A TEMP 'TA5A'	SHEET 1299	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - TC Stg4 - 090103_xs Ramp 128A Temp

PLOT DATE : 8/15/2018 9:50 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

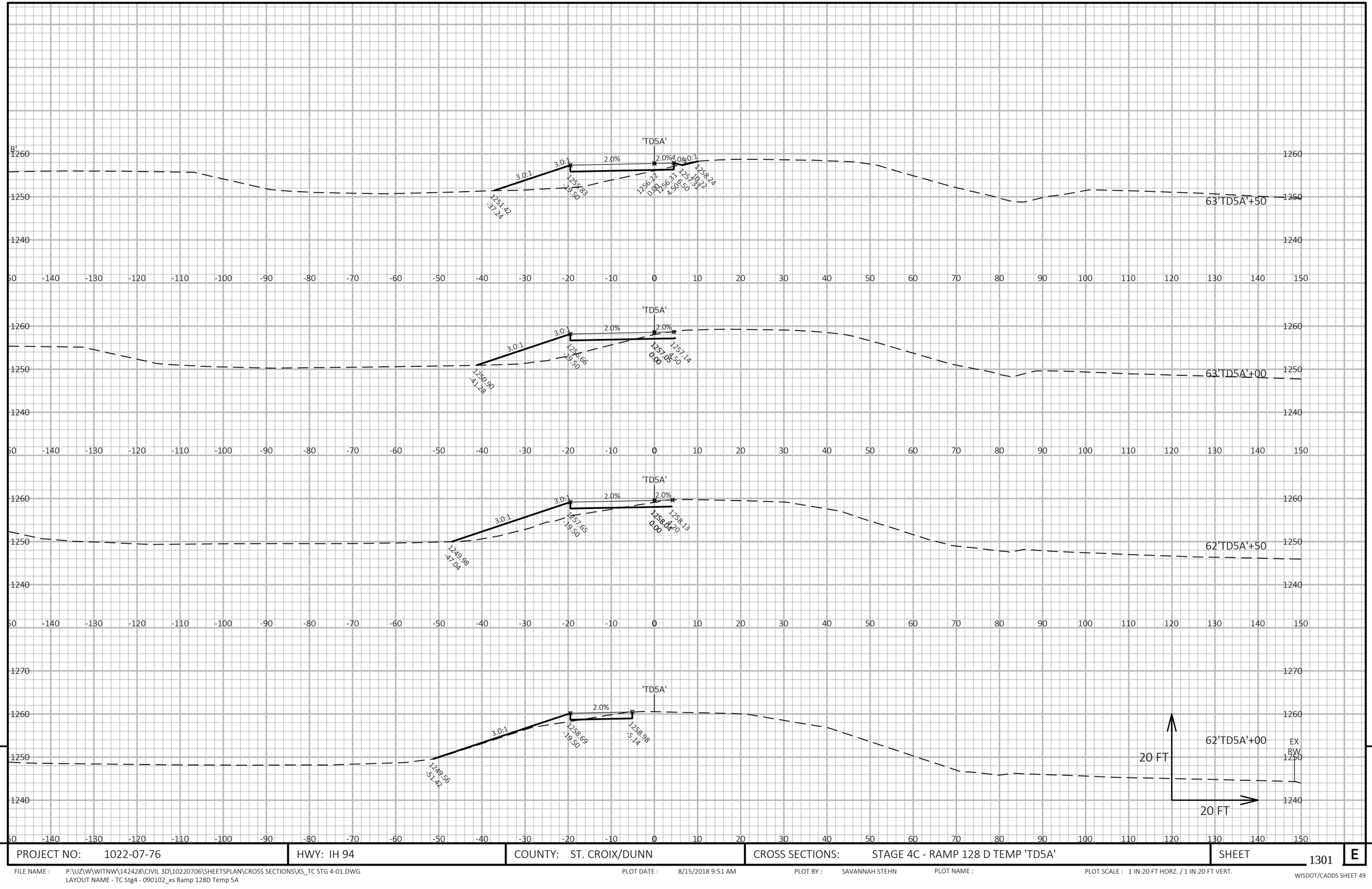


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - RAMP 128 D TEMP 'TD5A'	SHEET 1300	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - TC Stg4 - 090101_xs Ramp 128D Temp 5A

PLOT DATE : 8/15/2018 9:51 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

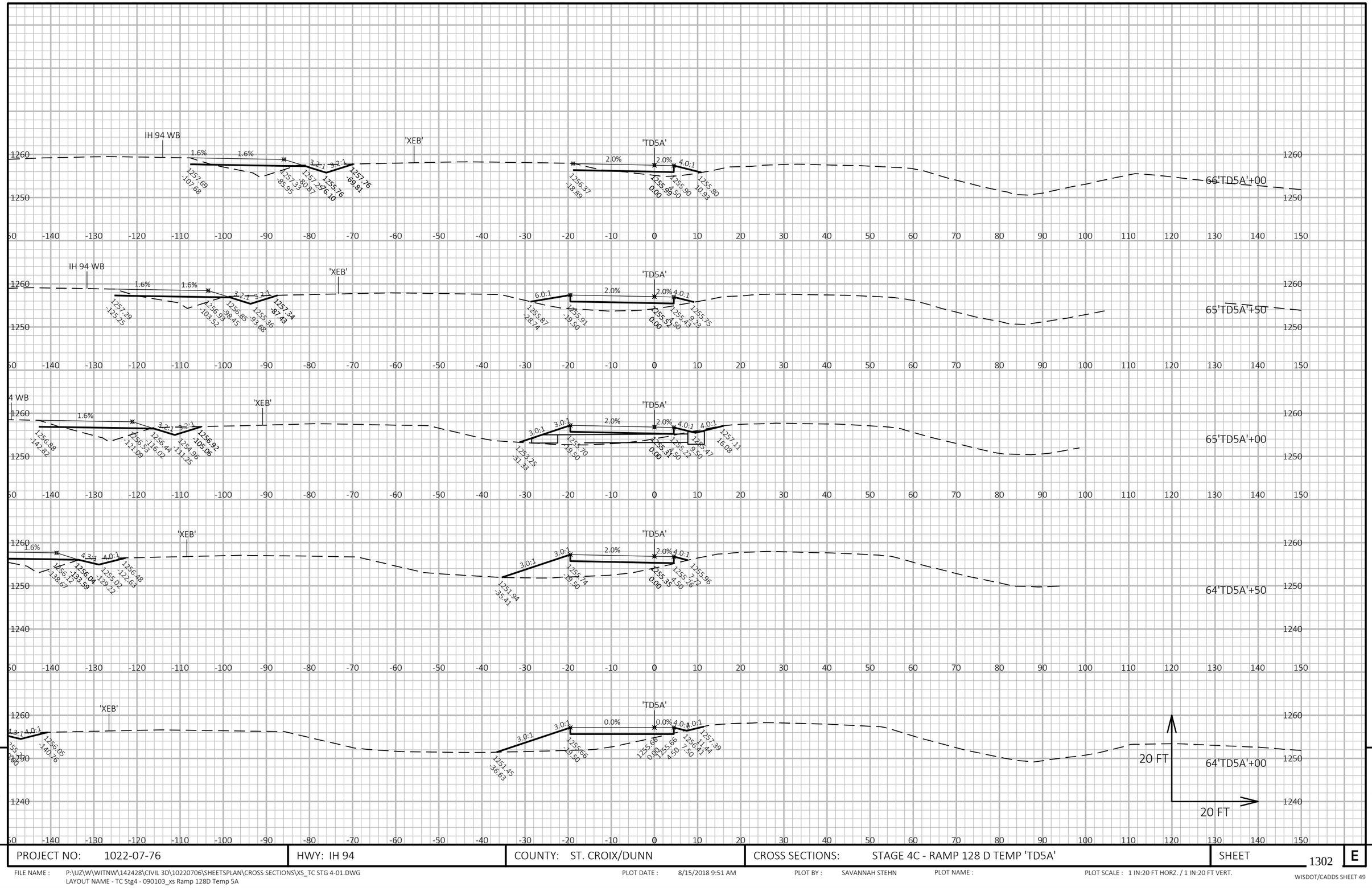


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - RAMP 128 D TEMP 'TD5A'	SHEET 1301 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - TC Stg4 - 090102_xs Ramp 128D Temp 5A

PLOT DATE : 8/15/2018 9:51 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

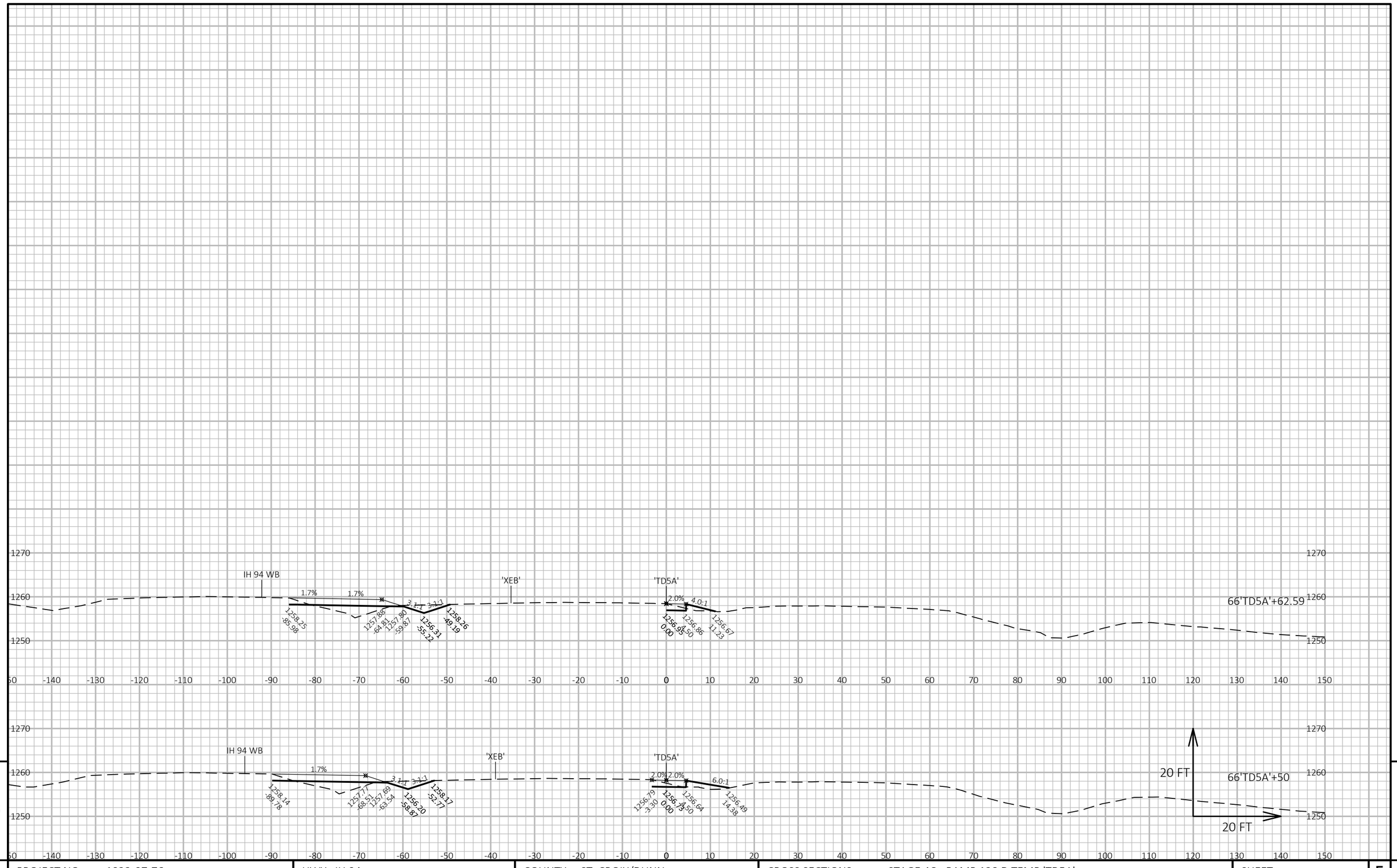


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - RAMP 128 D TEMP 'TD5A'	SHEET 1302 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - TC Stg4 - 090103_xs Ramp 128D Temp 5A

PLOT DATE : 8/15/2018 9:51 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



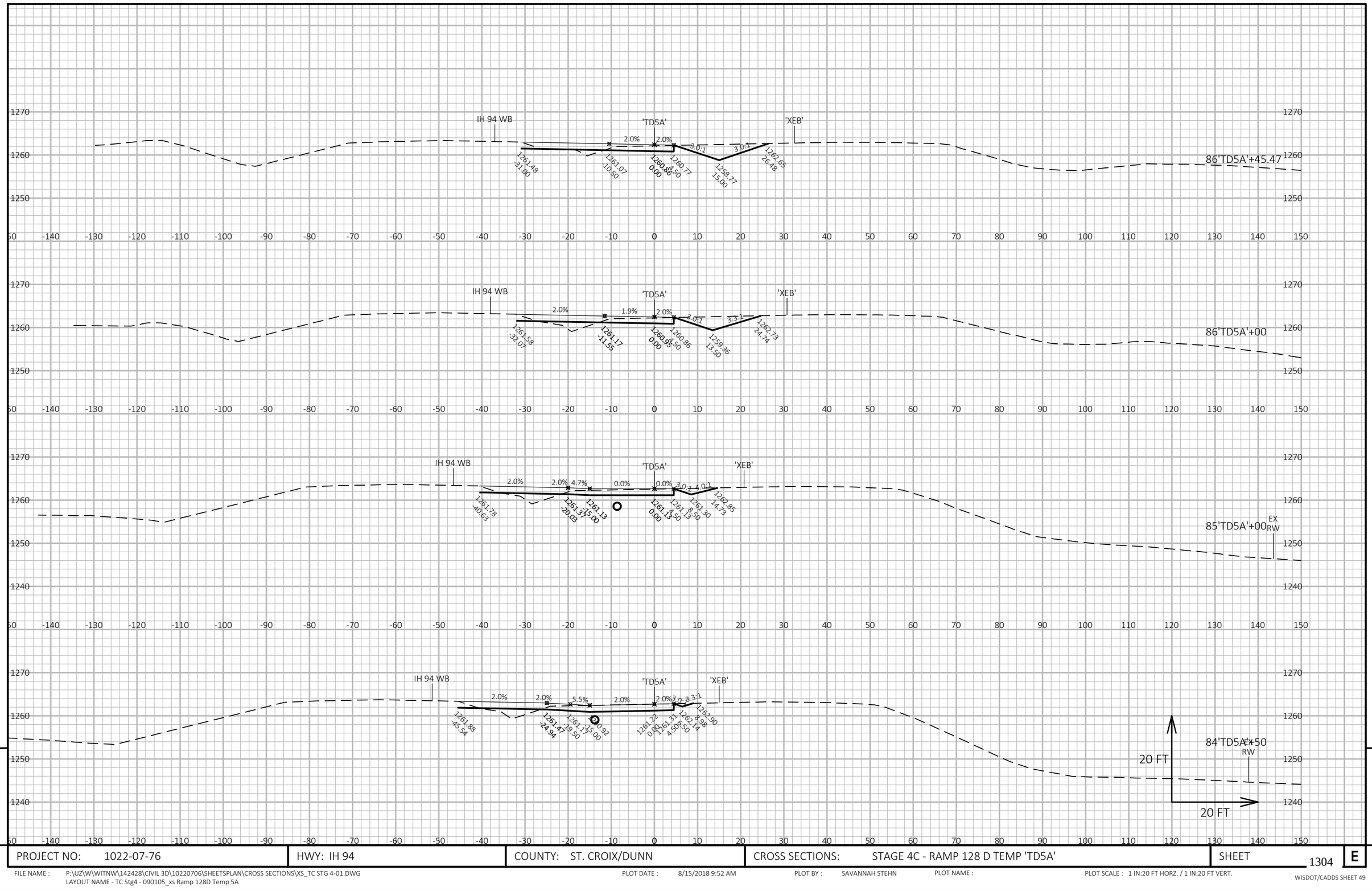
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - RAMP 128 D TEMP 'TD5A'	SHEET 1303	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - TC Stg4 - 090104_xs Ramp 128D Temp 5A

PLOT DATE : 8/15/2018 9:52 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



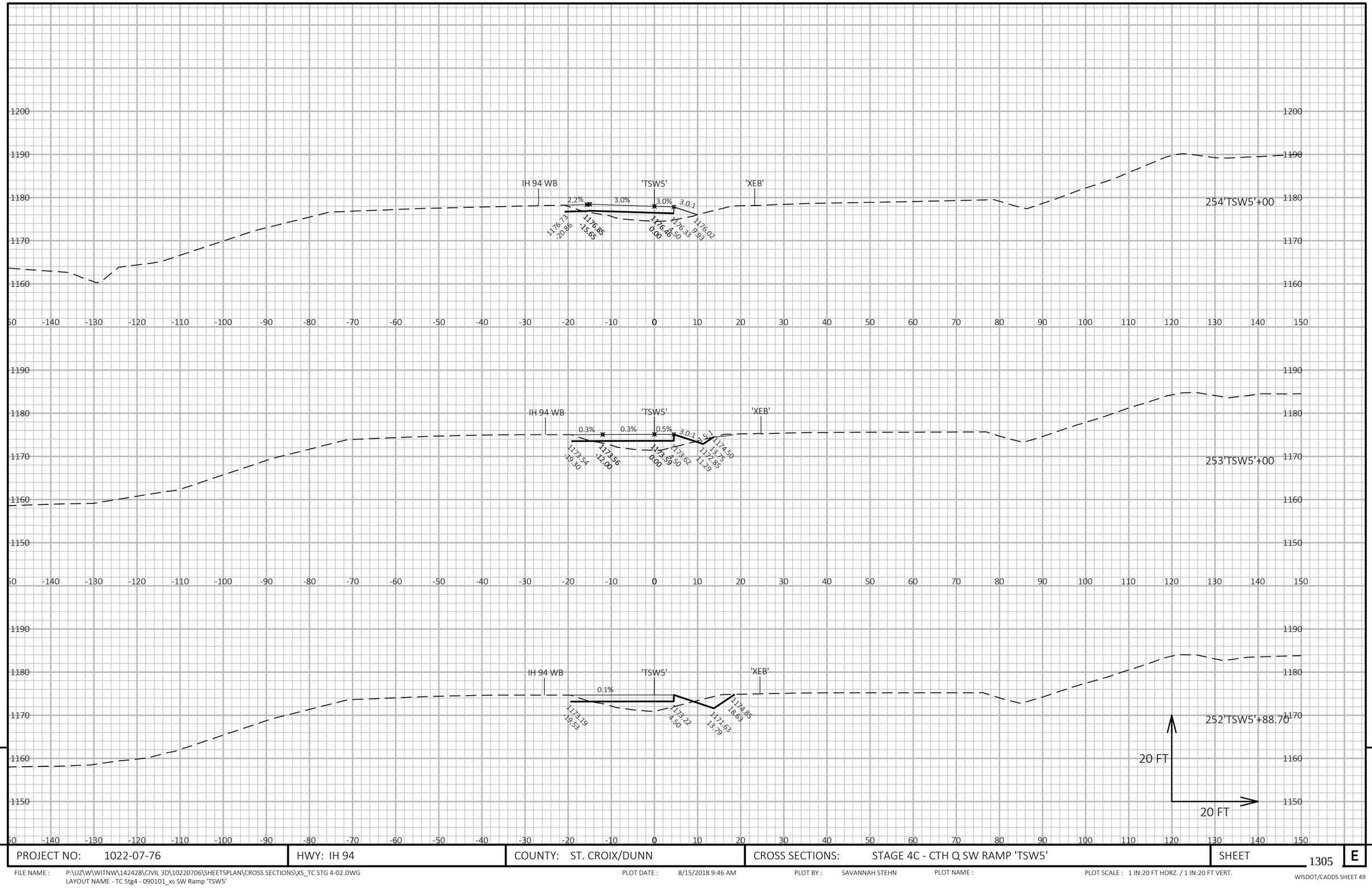
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - RAMP 128 D TEMP 'TD5A'	SHEET 1304	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-01.DWG
LAYOUT NAME - TC Stg4 - 090105_xs Ramp 128D Temp 5A

PLOT DATE : 8/15/2018 9:52 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



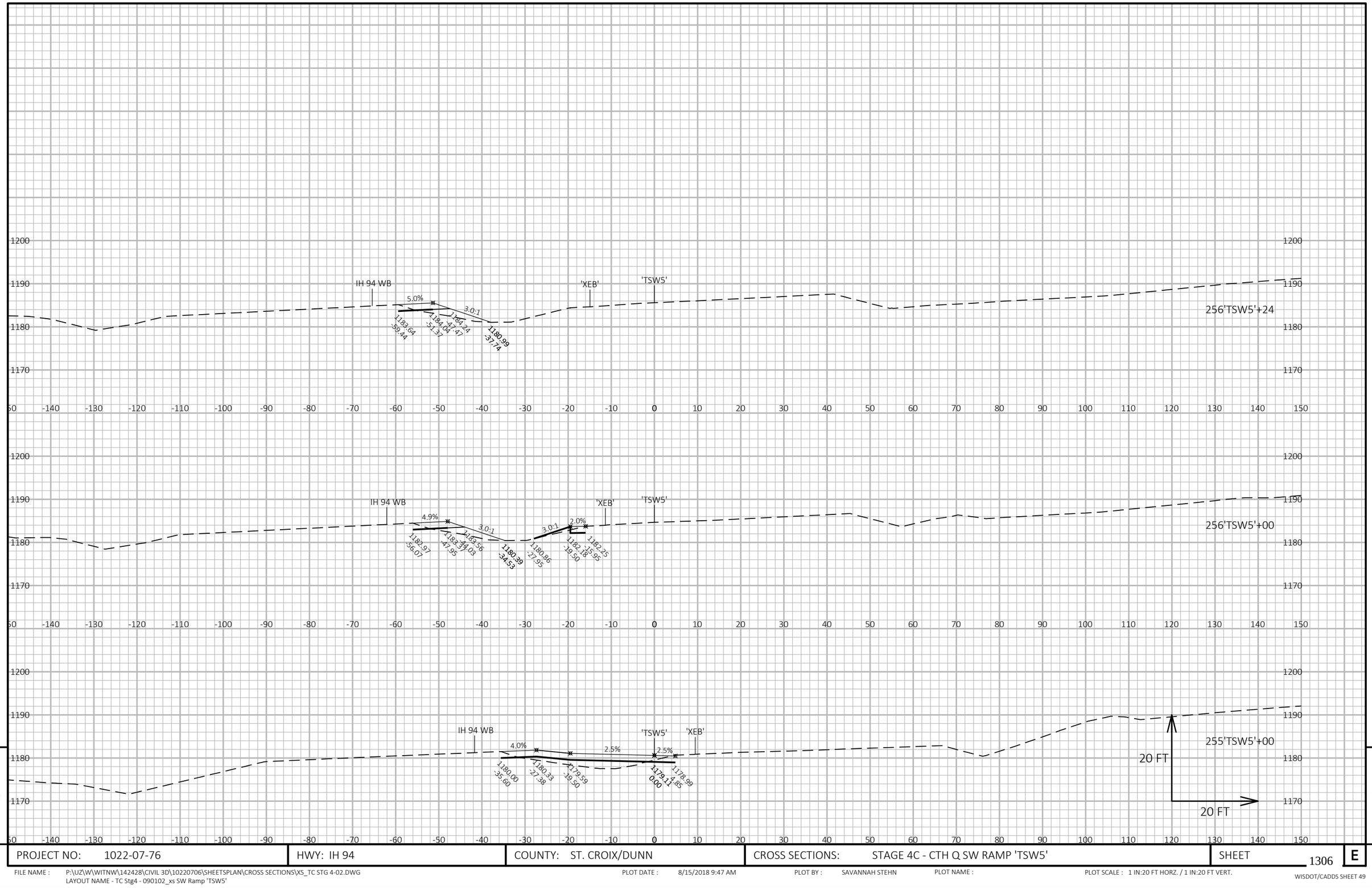
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - CTH Q SW RAMP 'TSW5'	SHEET 1305	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090101_xs SW Ramp 'TSW5'

PLOT DATE : 8/15/2018 9:46 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



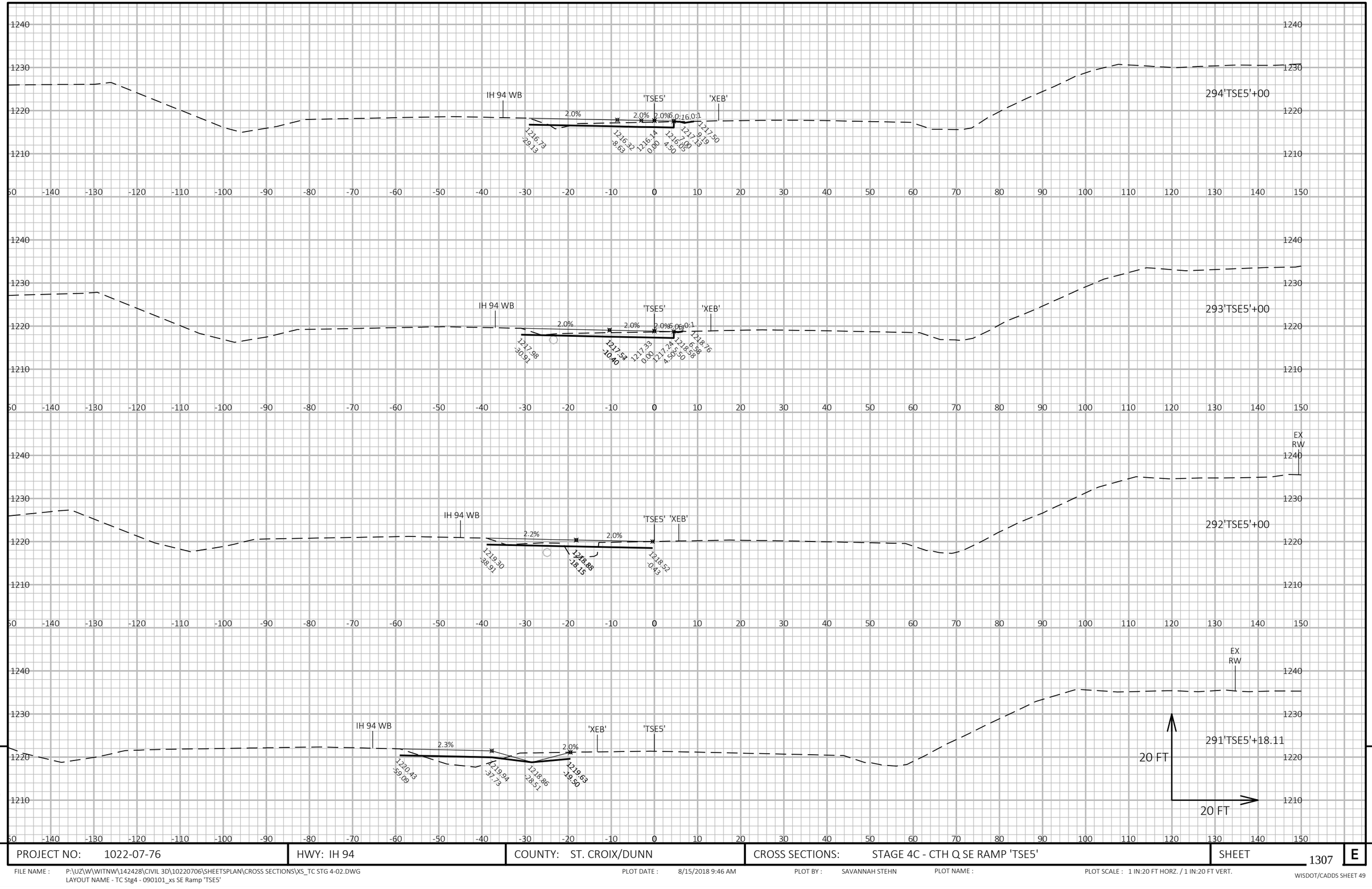
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - CTH Q SW RAMP 'TSW5'	SHEET 1306	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090102_xs SW Ramp 'TSW5'

PLOT DATE : 8/15/2018 9:47 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



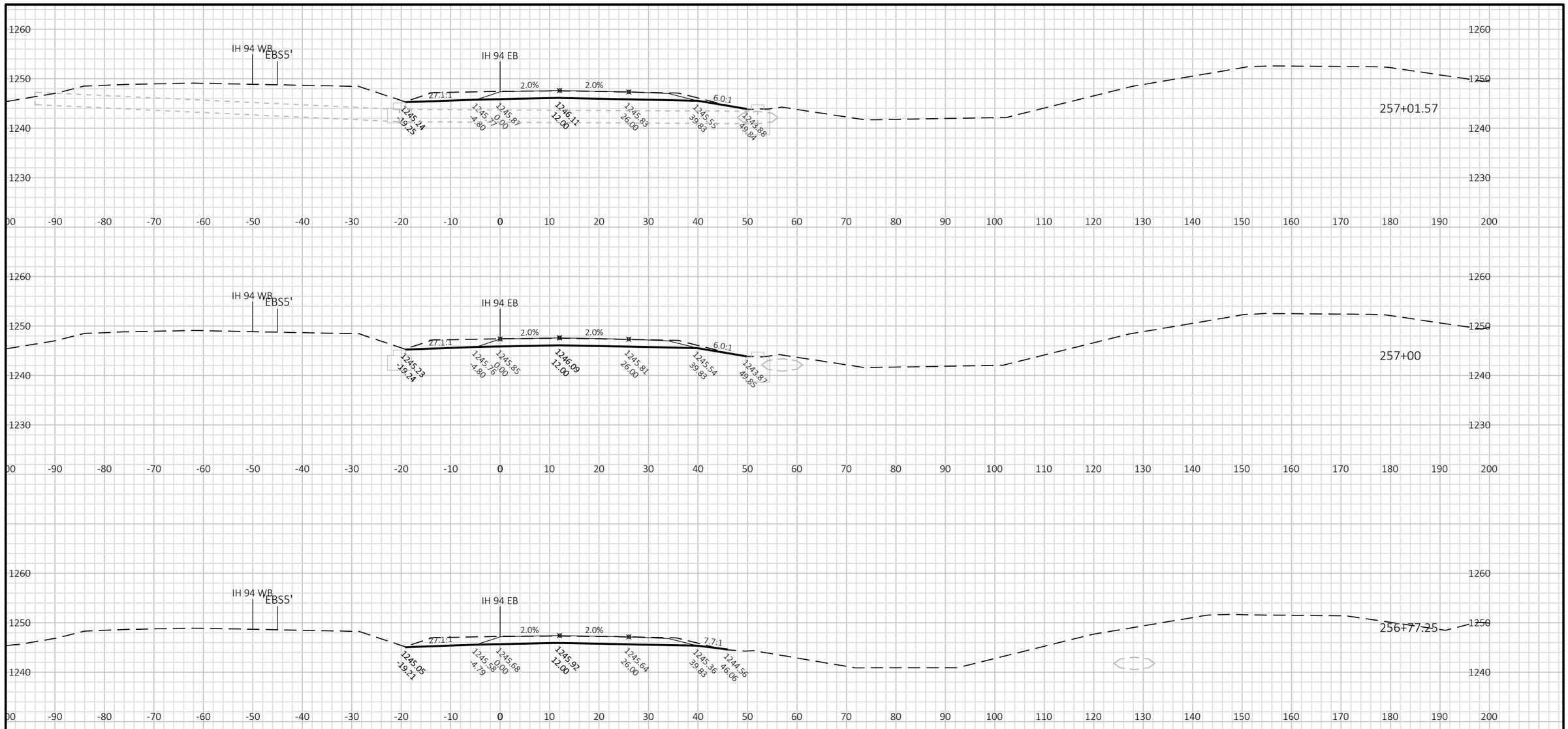
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 4C - CTH Q SE RAMP 'TSE5'	SHEET 1307	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 4-02.DWG
LAYOUT NAME - TC Stg4 - 090101_xs SE Ramp 'TSE5'

PLOT DATE : 8/15/2018 9:46 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

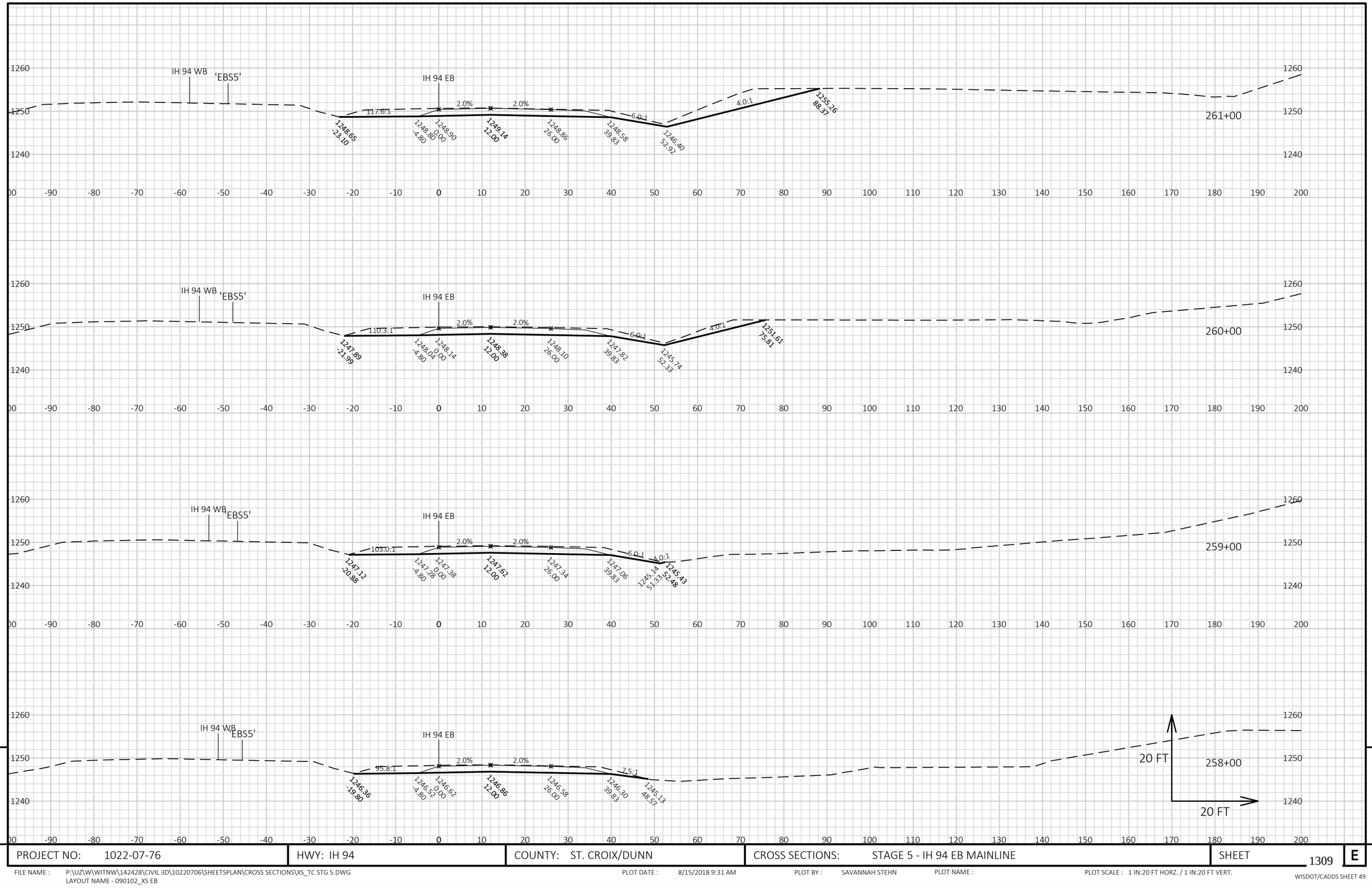


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1308 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090101_XS EB

PLOT DATE : 8/15/2018 9:31 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



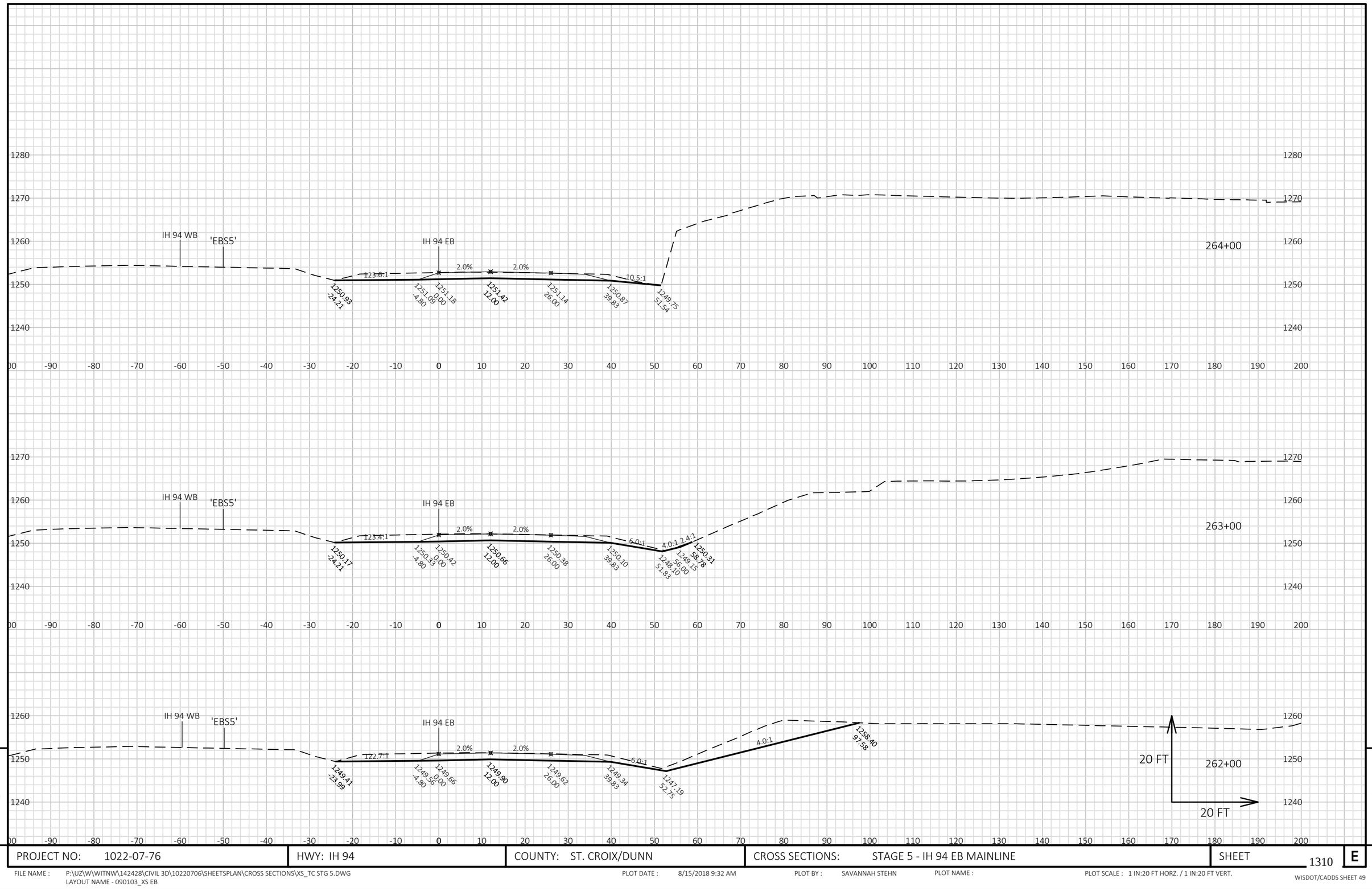
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1309	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090102_XS EB

PLOT DATE : 8/15/2018 9:31 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



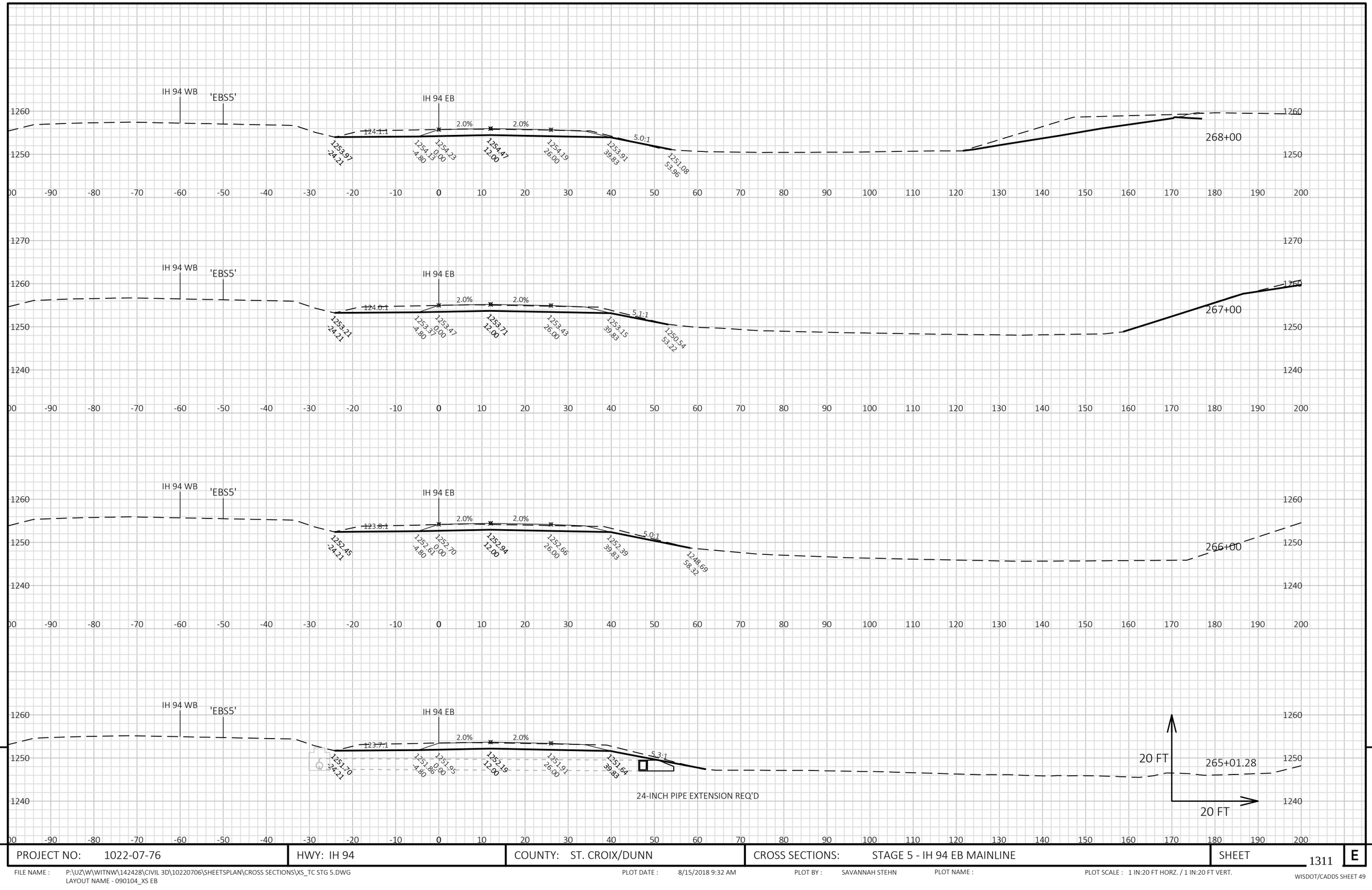
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1310 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090103_XS EB

PLOT DATE : 8/15/2018 9:32 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9 9



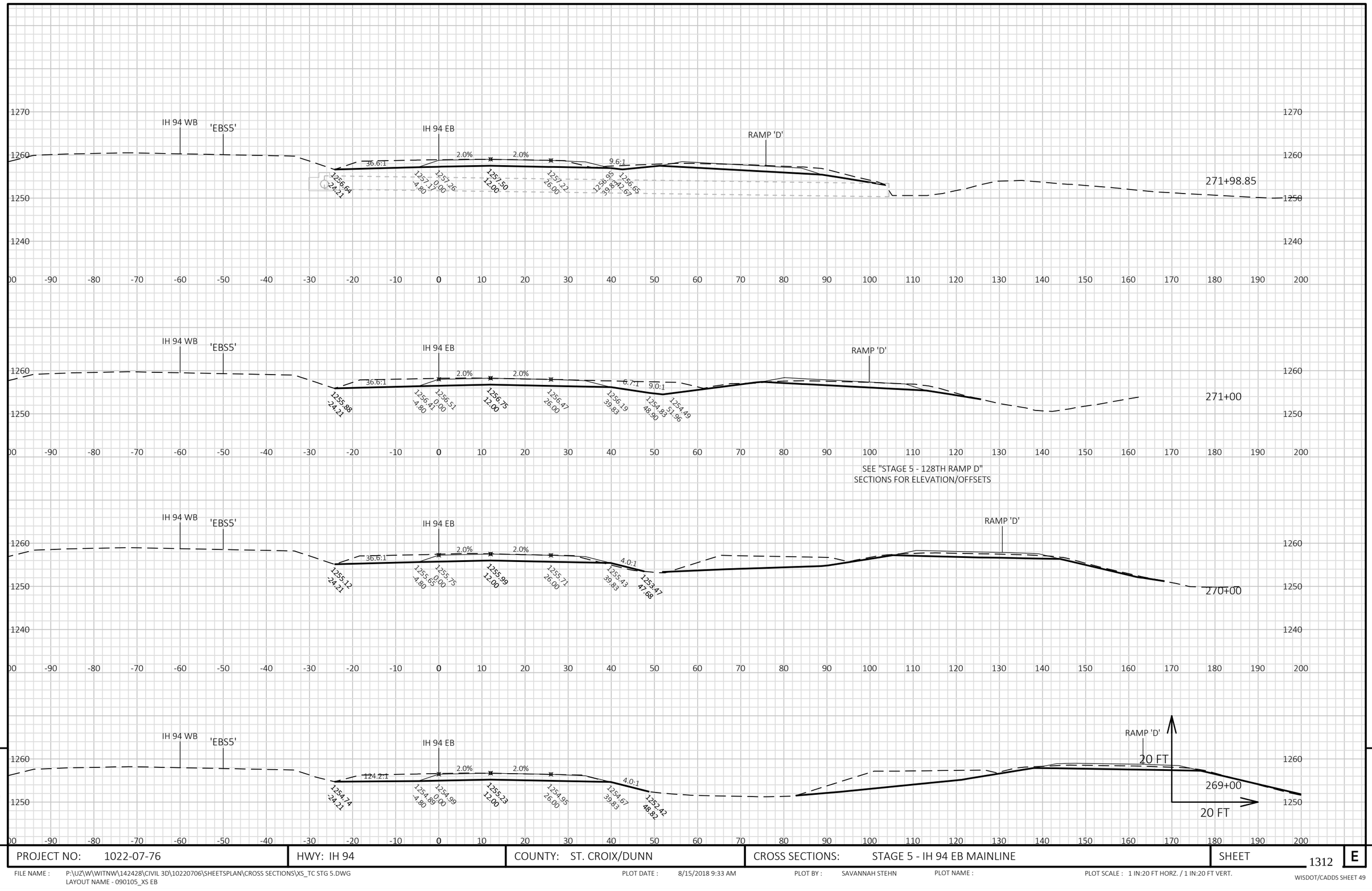
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1311	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090104_XS EB

PLOT DATE : 8/15/2018 9:32 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



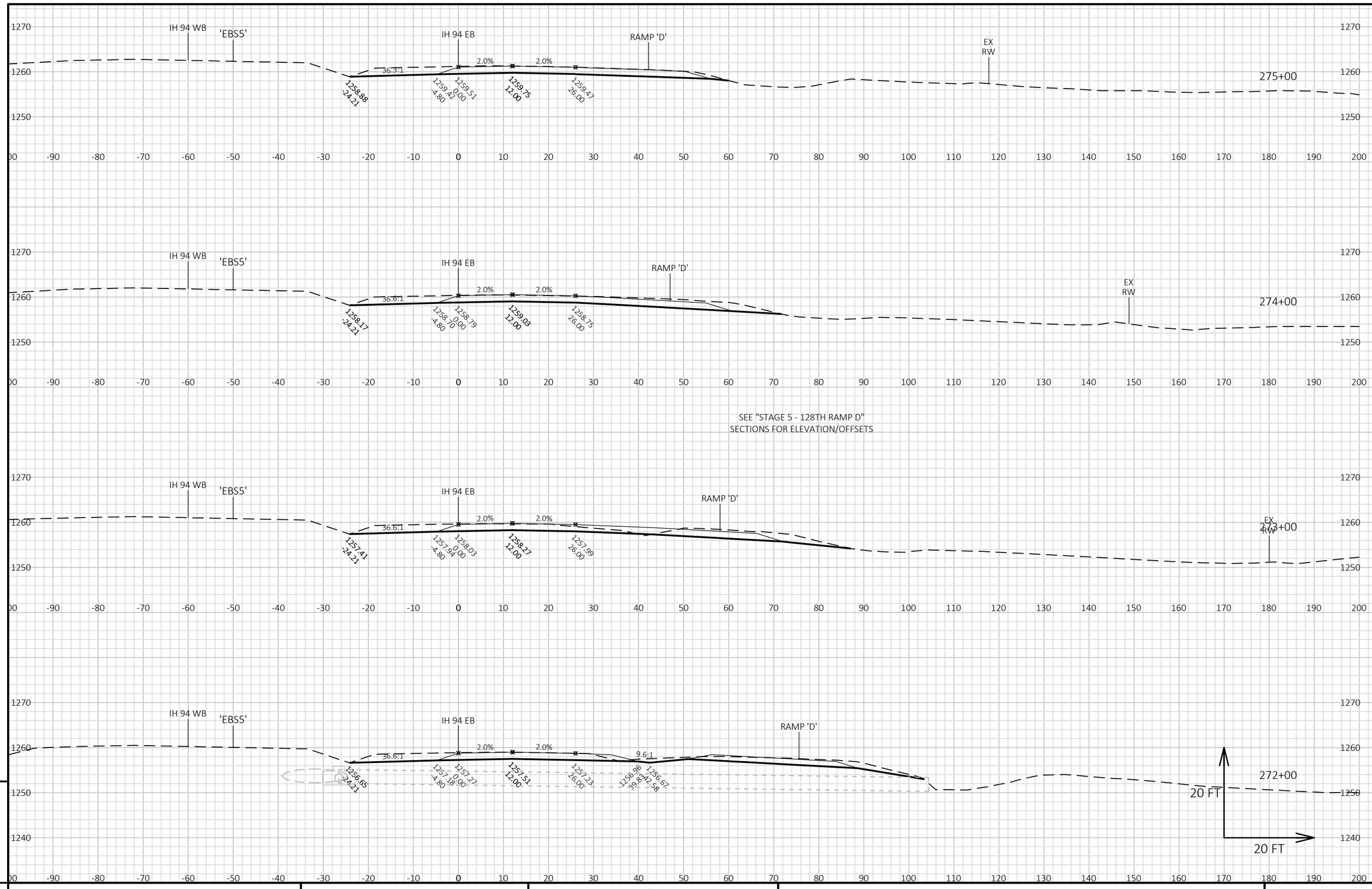
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1312	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090105_XS EB

PLOT DATE : 8/15/2018 9:33 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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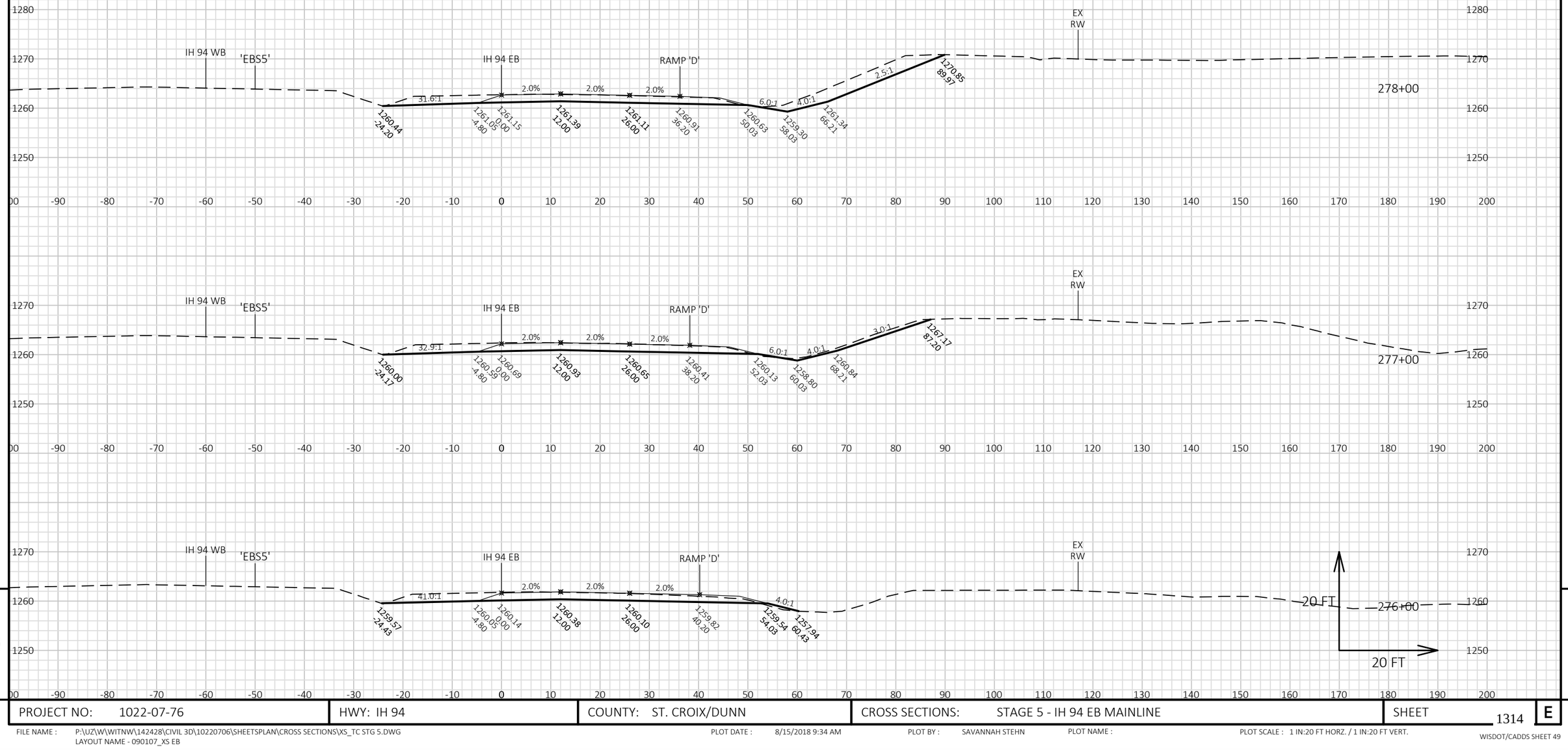
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1313	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090106_XS EB

PLOT DATE : 8/15/2018 9:33 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1314	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090107_XS EB

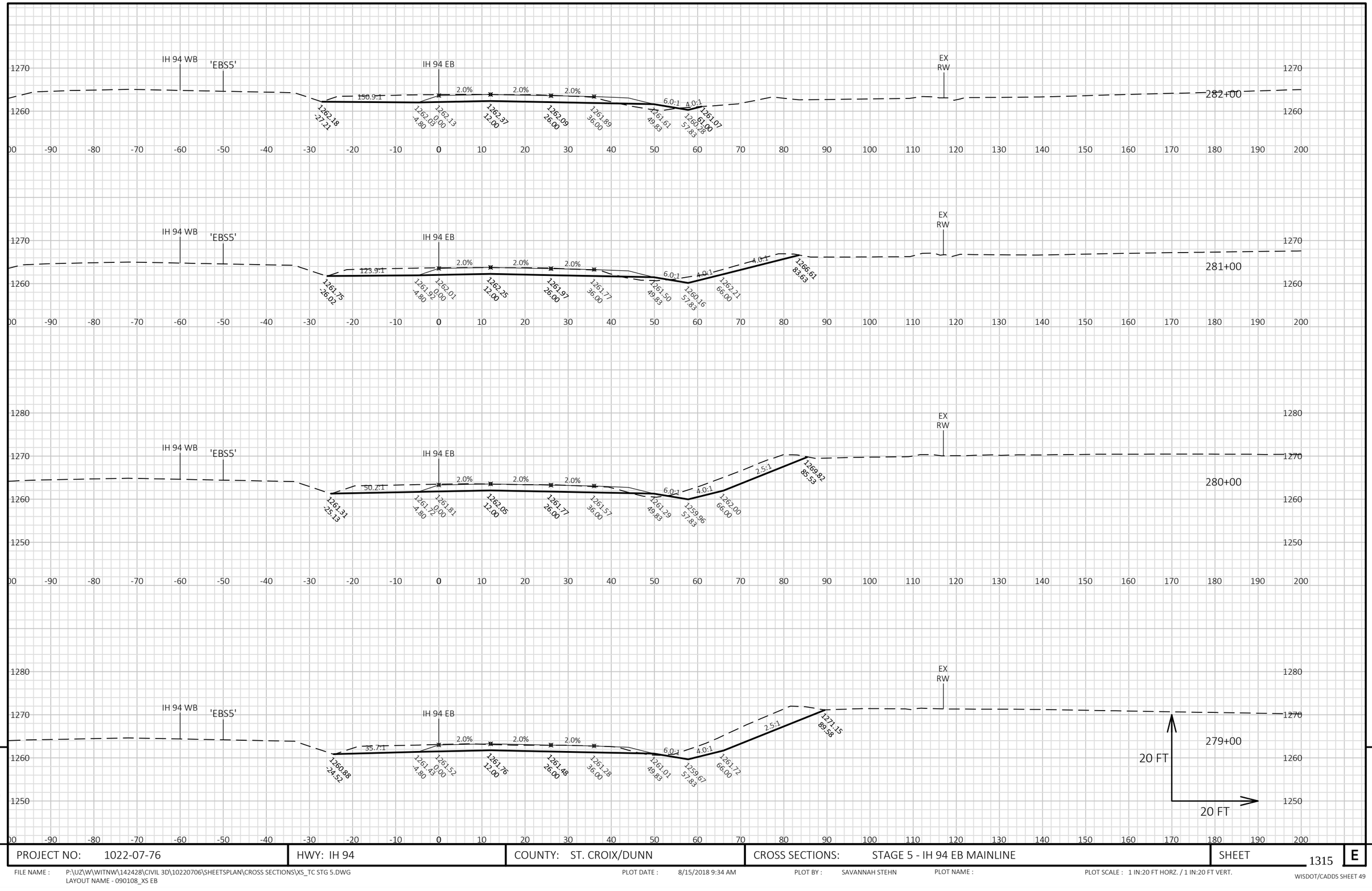
PLOT DATE : 8/15/2018 9:34 AM

PLOT BY : SAVANNAH STEHN

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

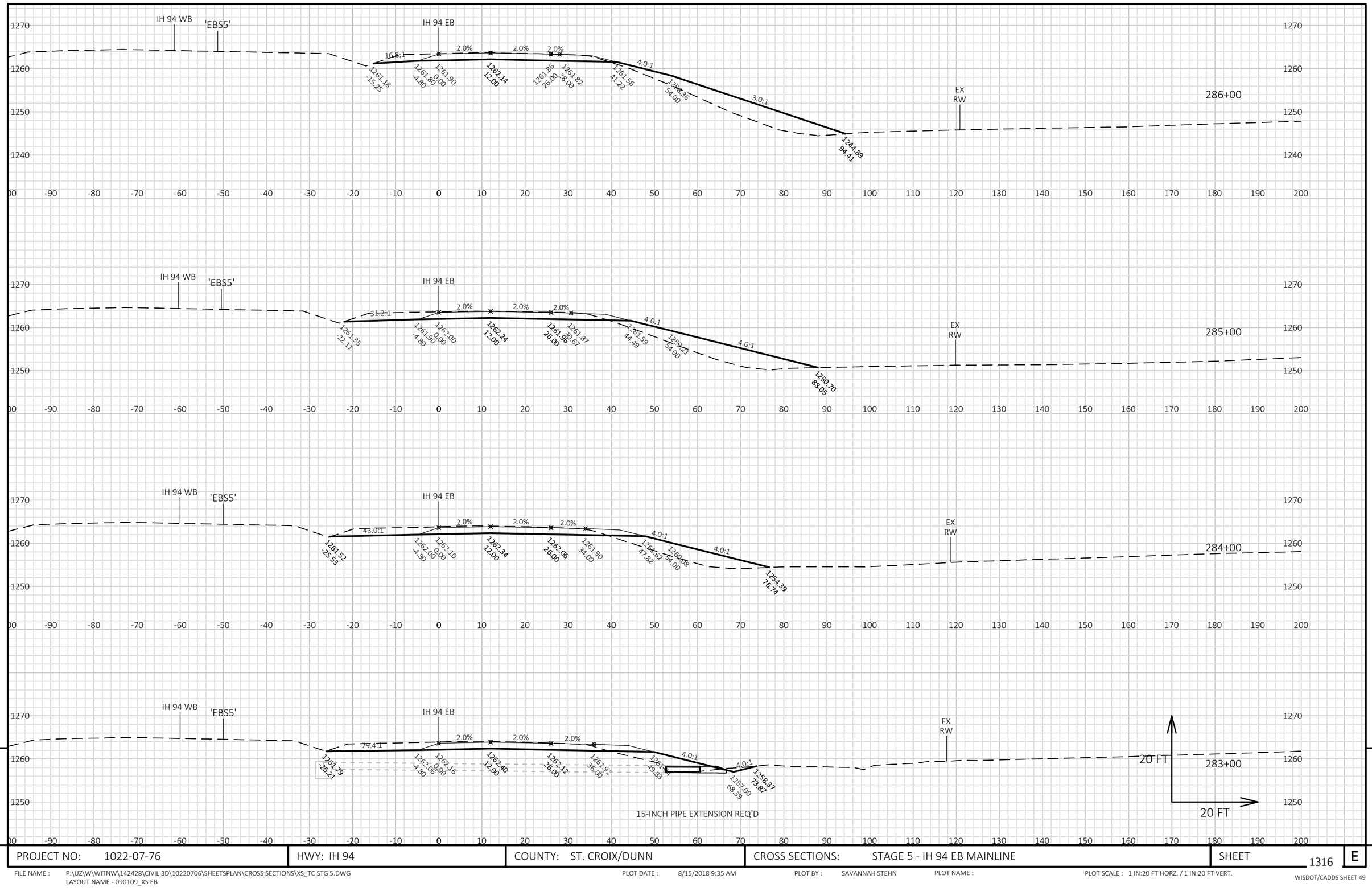


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1315 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090108_XS EB

PLOT DATE : 8/15/2018 9:34 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1316	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090109_XS EB

PLOT DATE : 8/15/2018 9:35 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

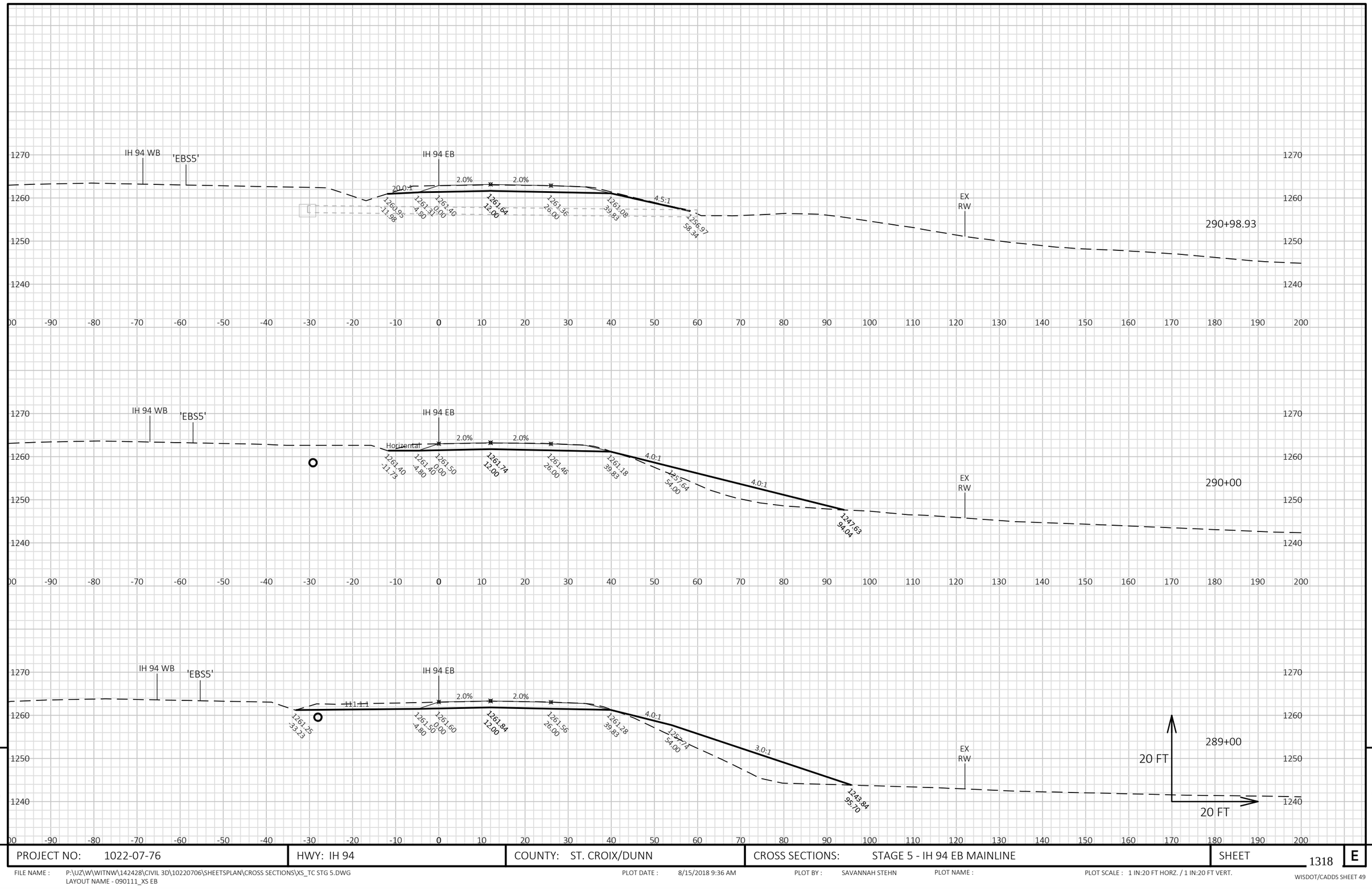
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1317 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090110_XS EB

PLOT DATE : 8/15/2018 9:35 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



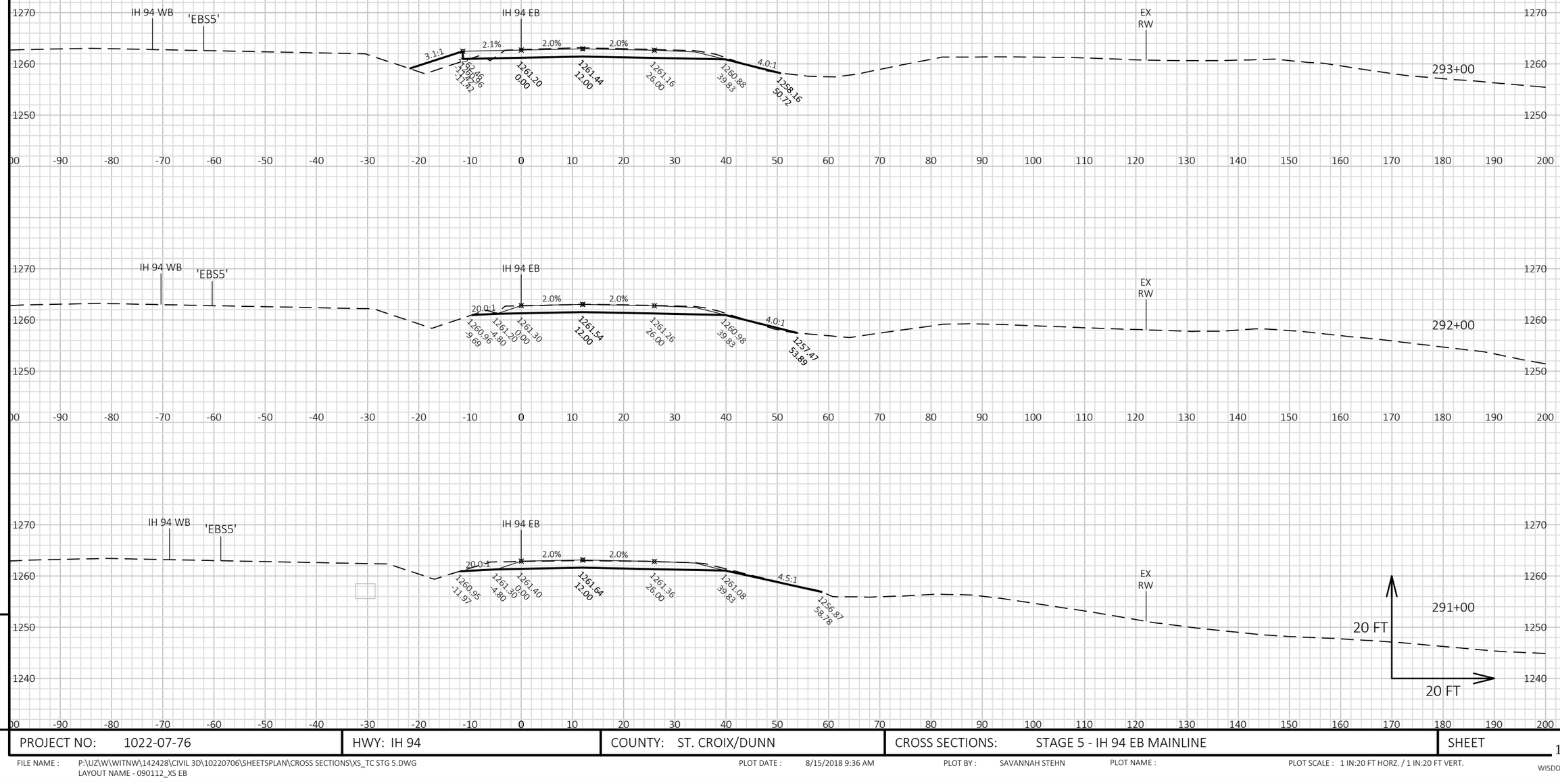
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1318	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090111_XS EB

PLOT DATE : 8/15/2018 9:36 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

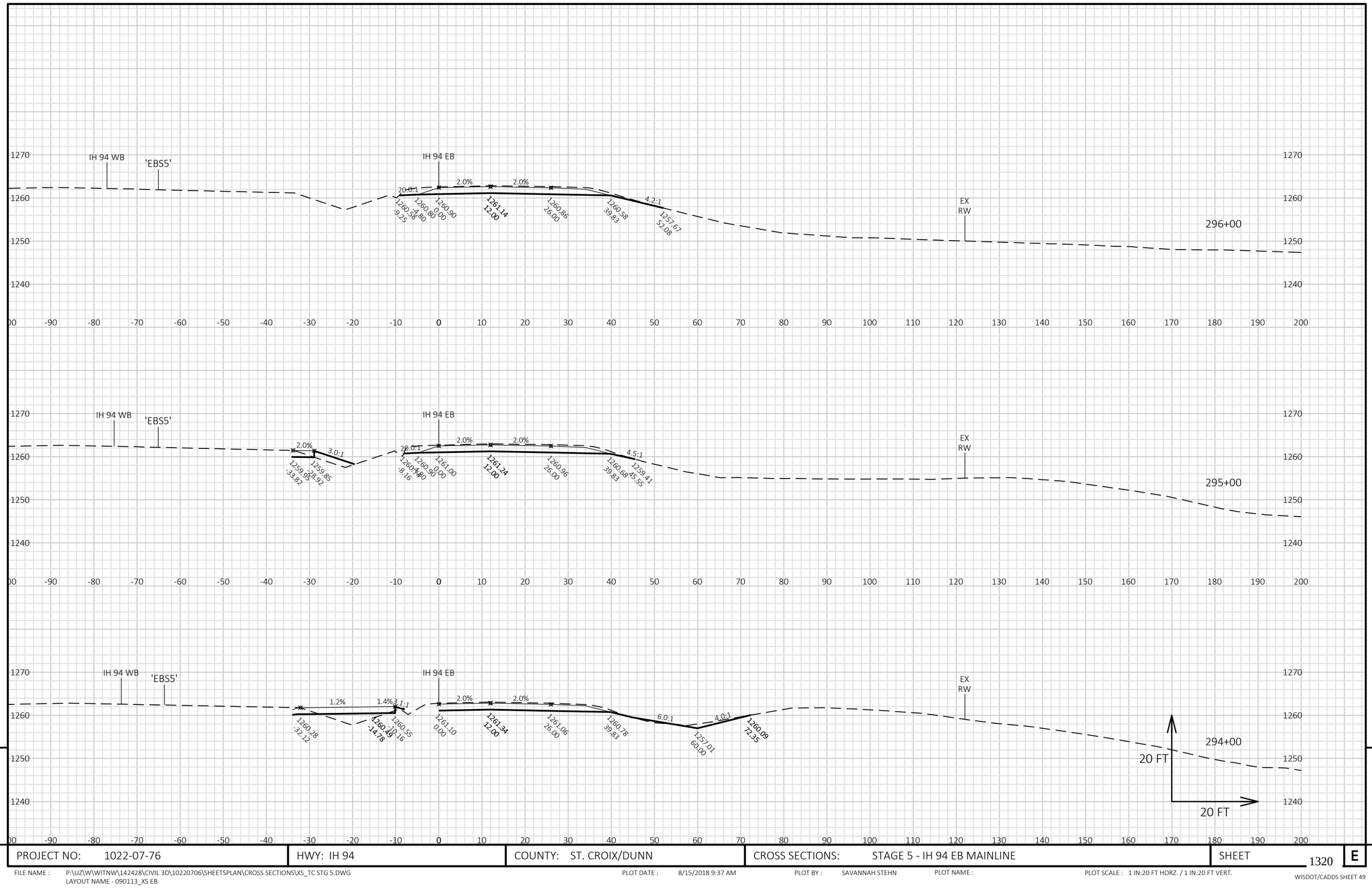


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1319 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090112_XS EB

PLOT DATE : 8/15/2018 9:36 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

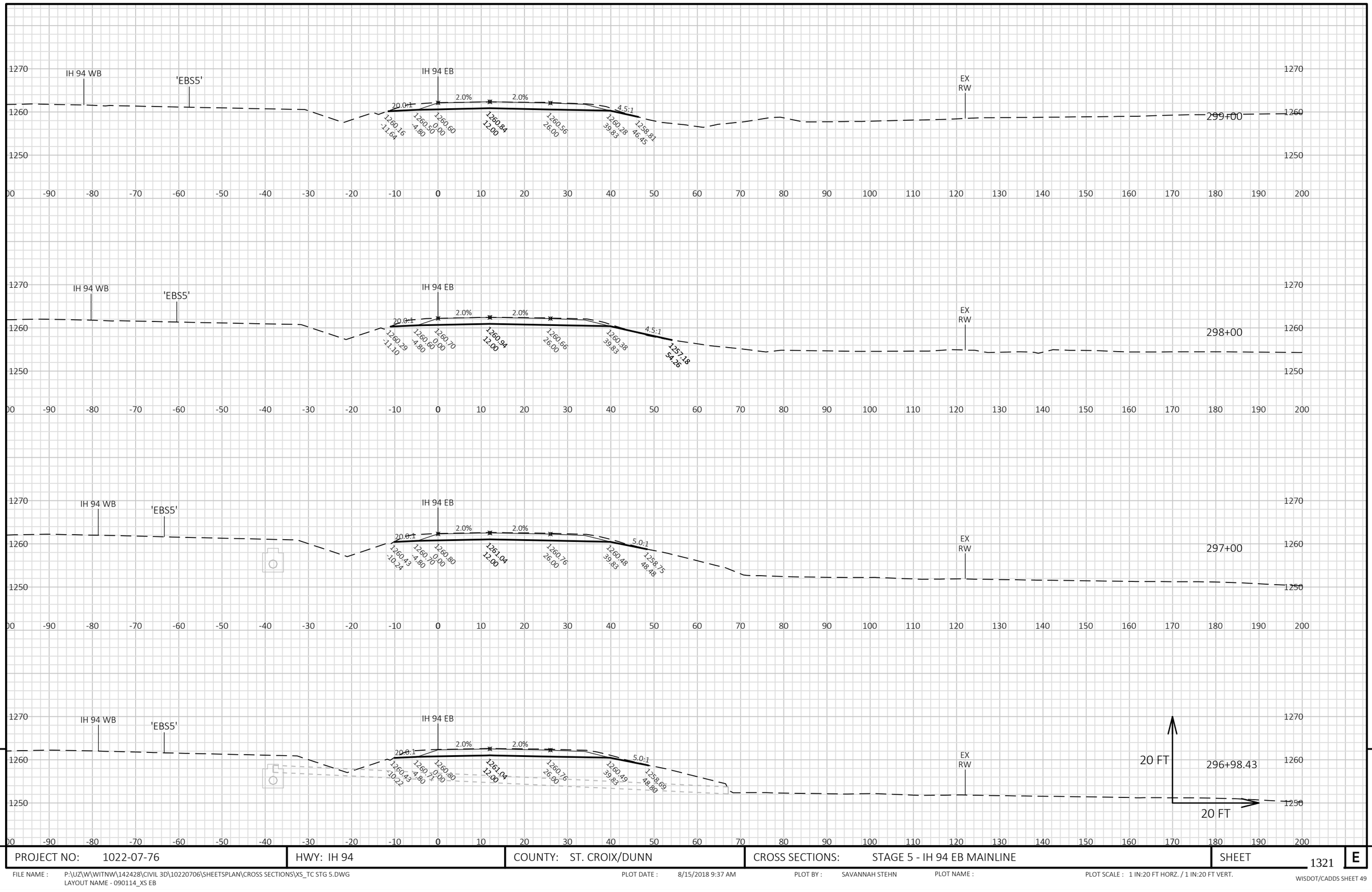


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1320 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090113_XS EB

PLOT DATE : 8/15/2018 9:37 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



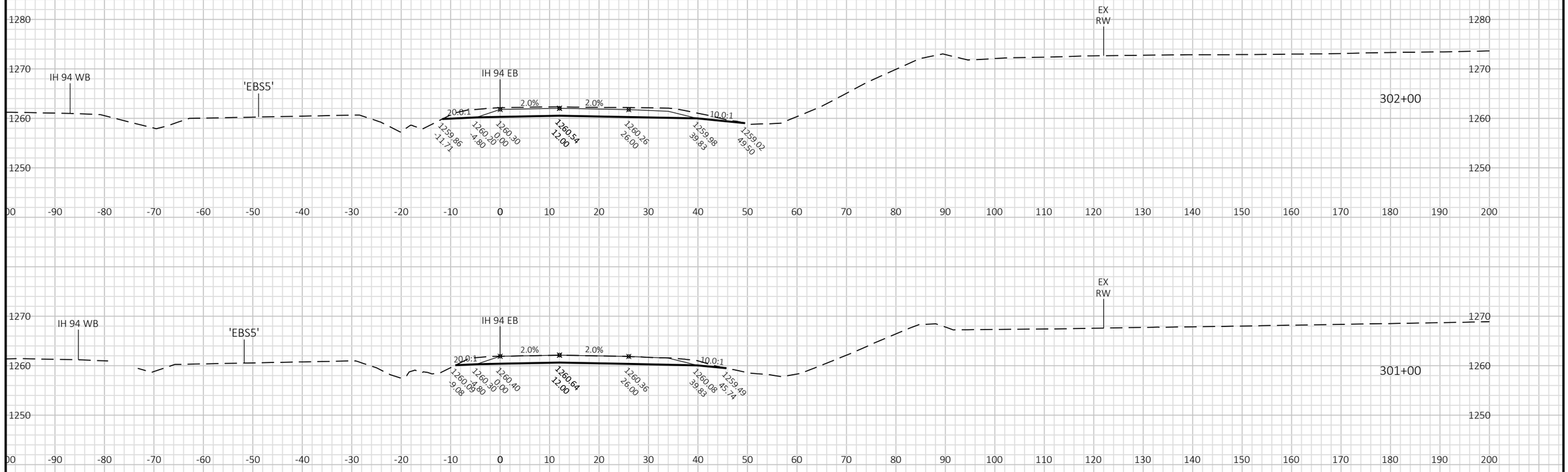
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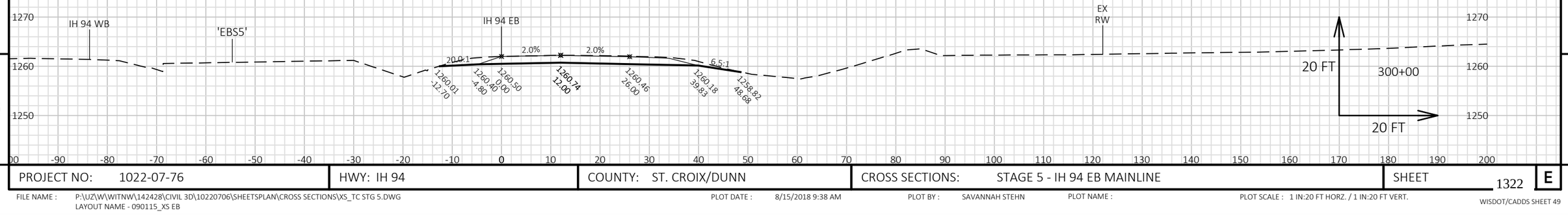
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1321	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090114_XS EB

PLOT DATE : 8/15/2018 9:37 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





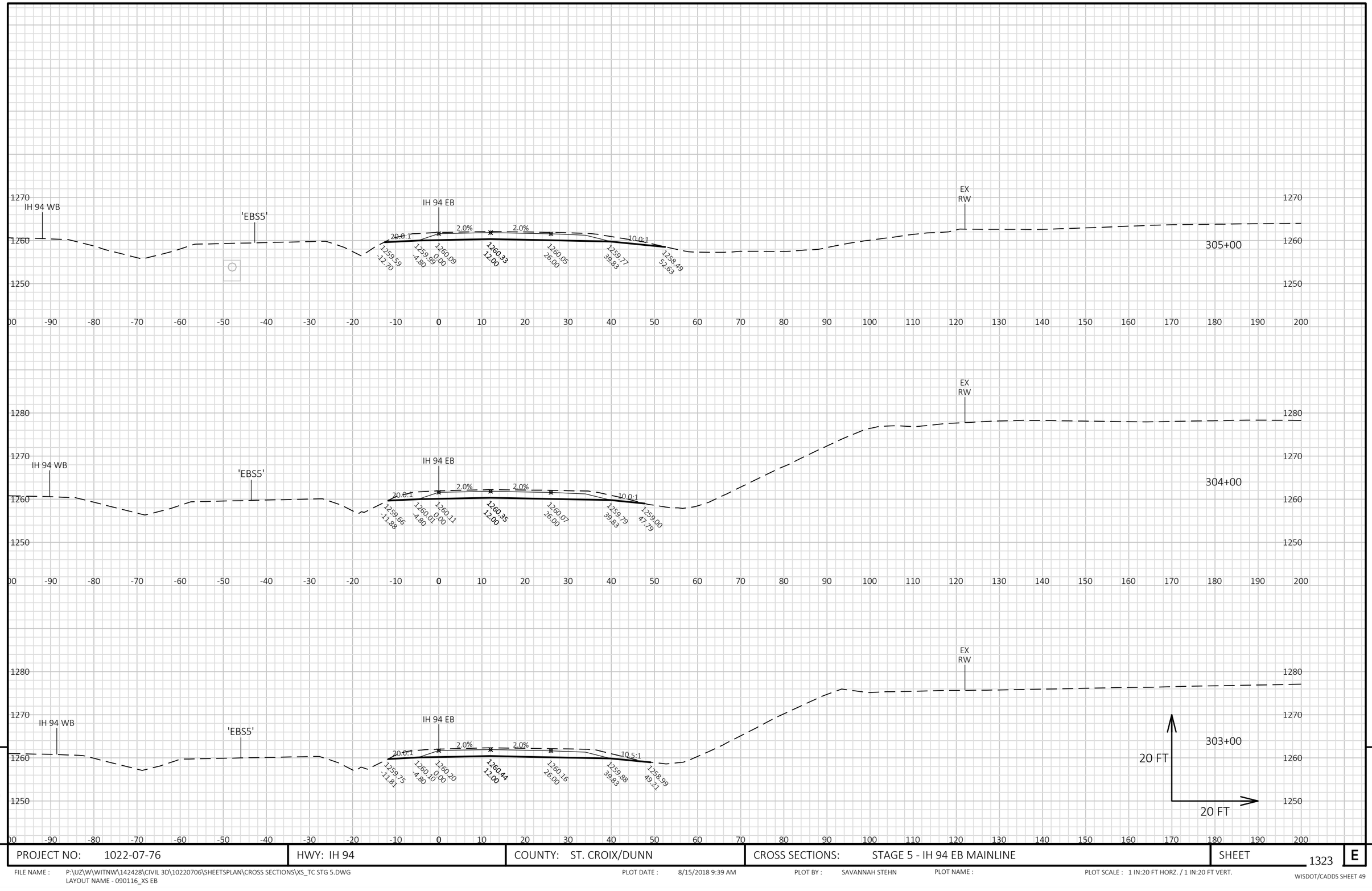
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1322	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090115_XS EB

PLOT DATE : 8/15/2018 9:38 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



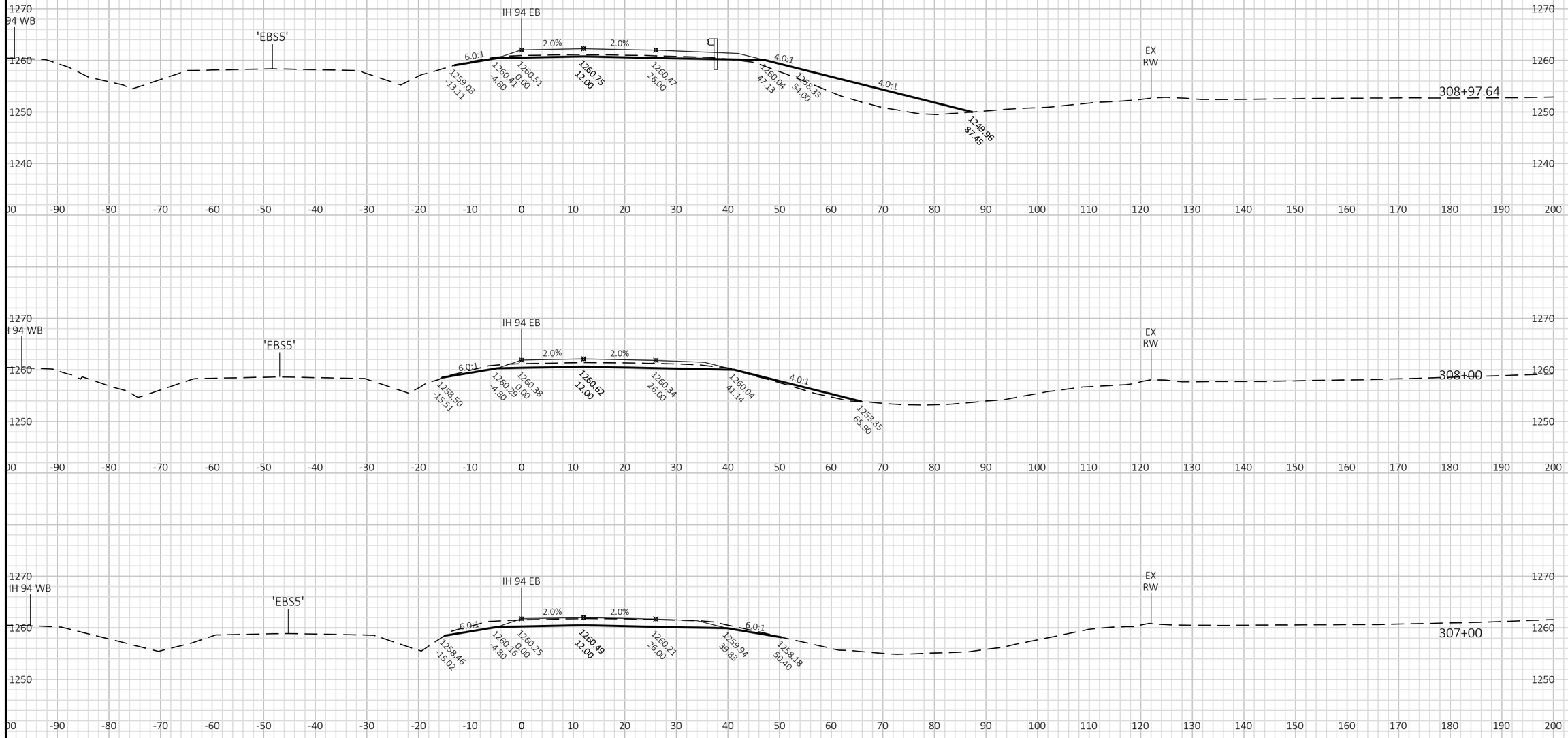
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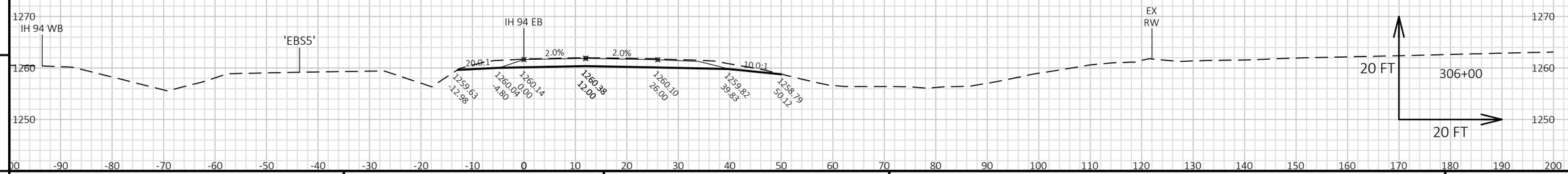
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1323 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090116_XS EB

PLOT DATE : 8/15/2018 9:39 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1324	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090117_XS EB

PLOT DATE : 8/15/2018 9:39 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

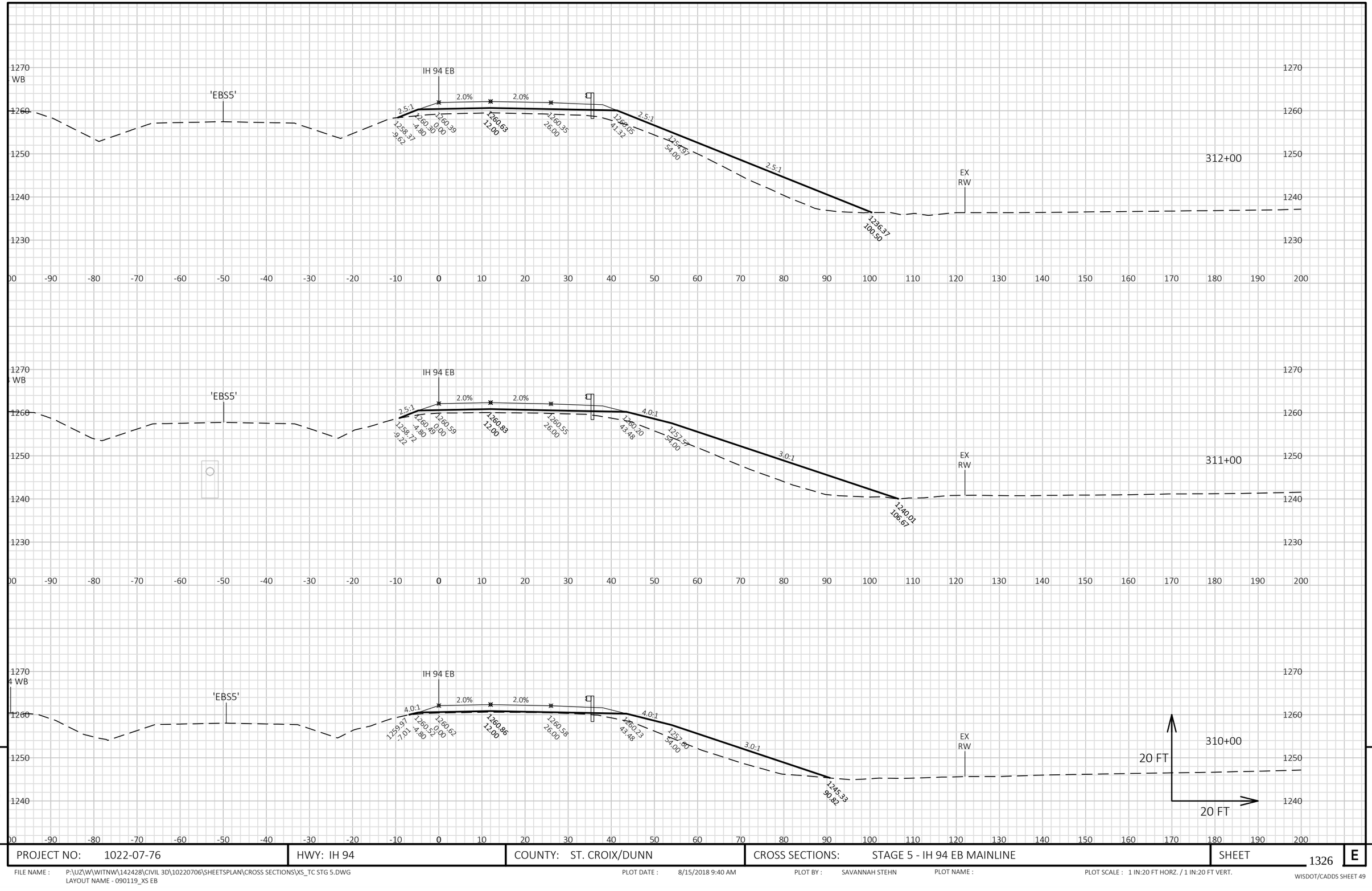
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1325 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090118_XS EB

PLOT DATE : 8/15/2018 9:40 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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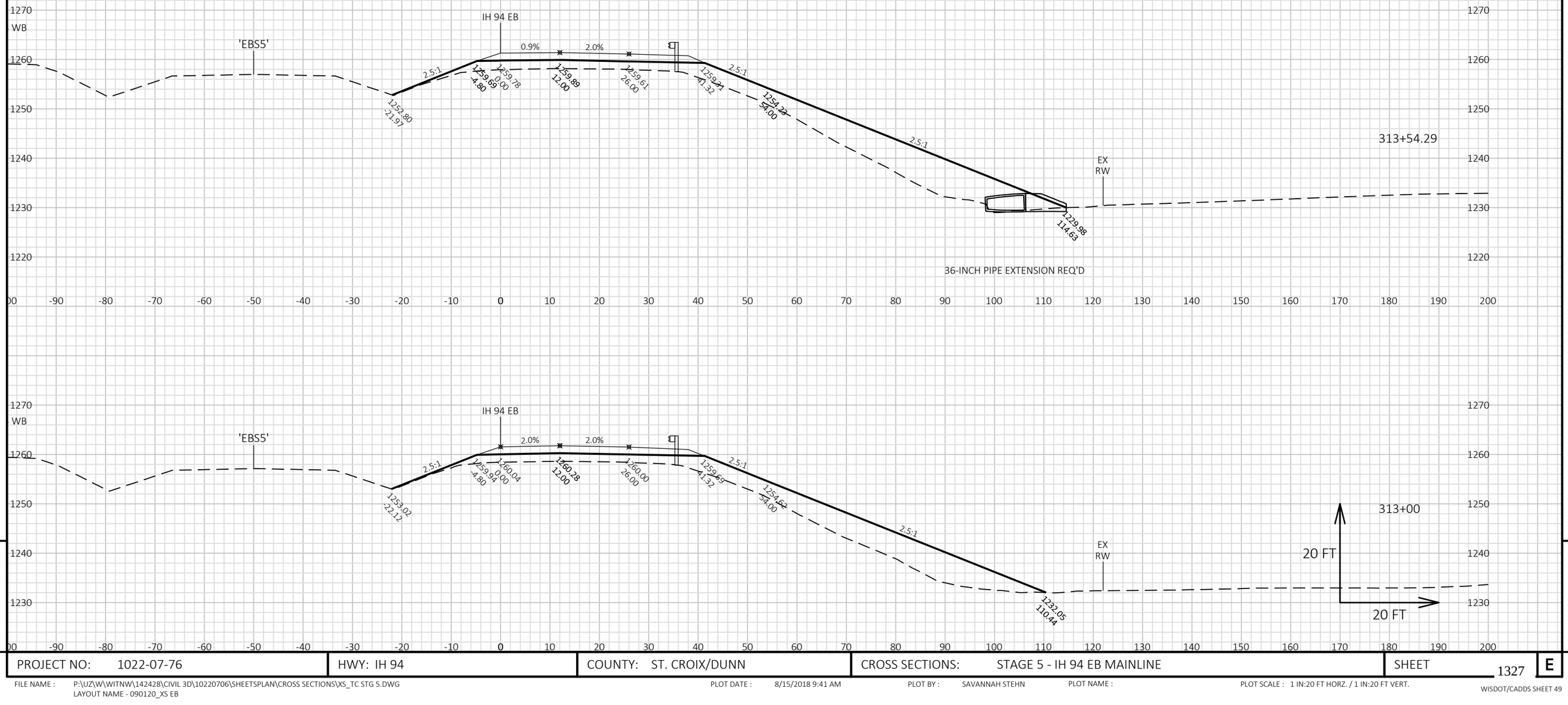
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1326 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090119_XS EB

PLOT DATE : 8/15/2018 9:40 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



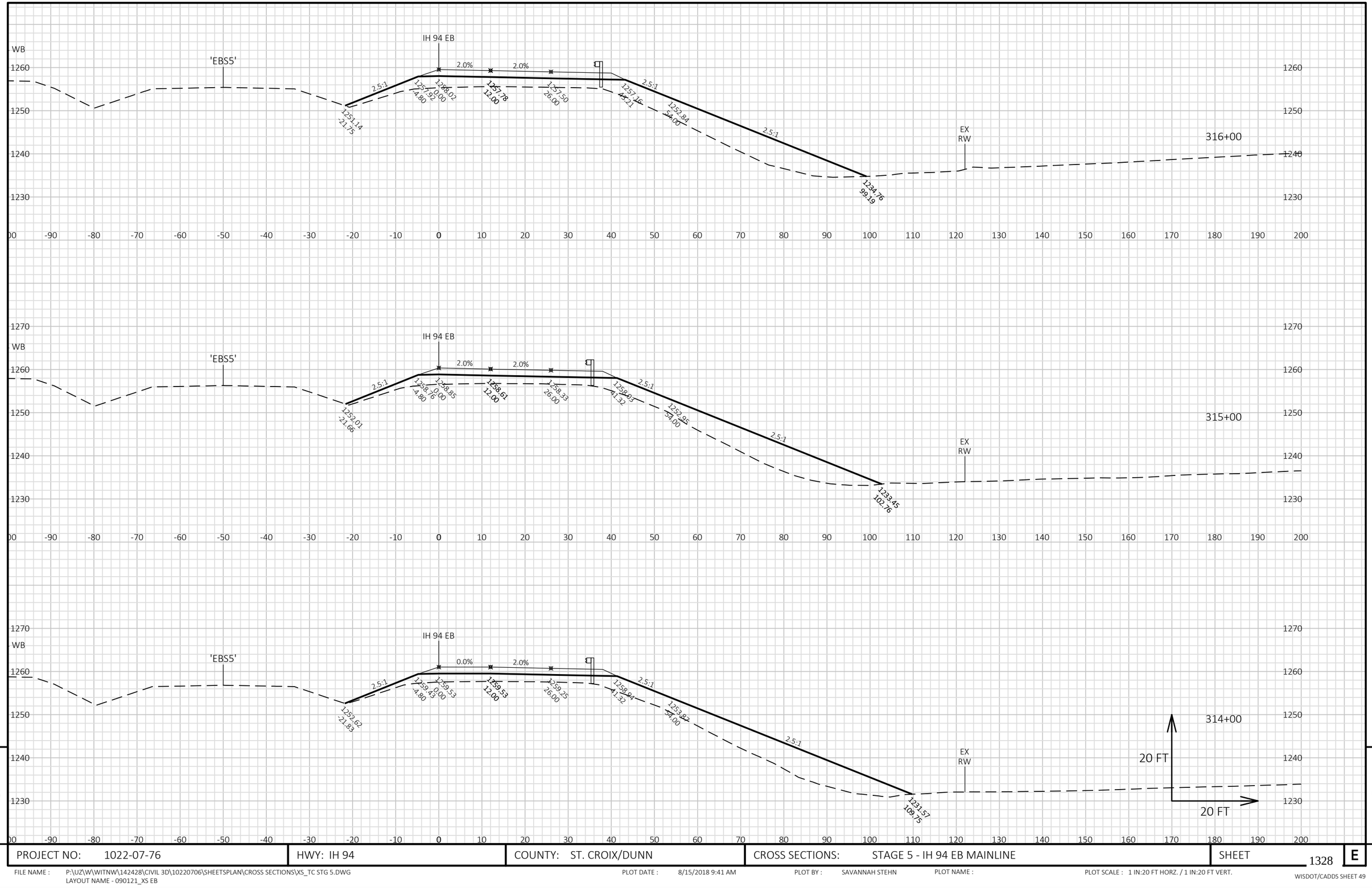
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1327	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090120_XS EB

PLOT DATE : 8/15/2018 9:41 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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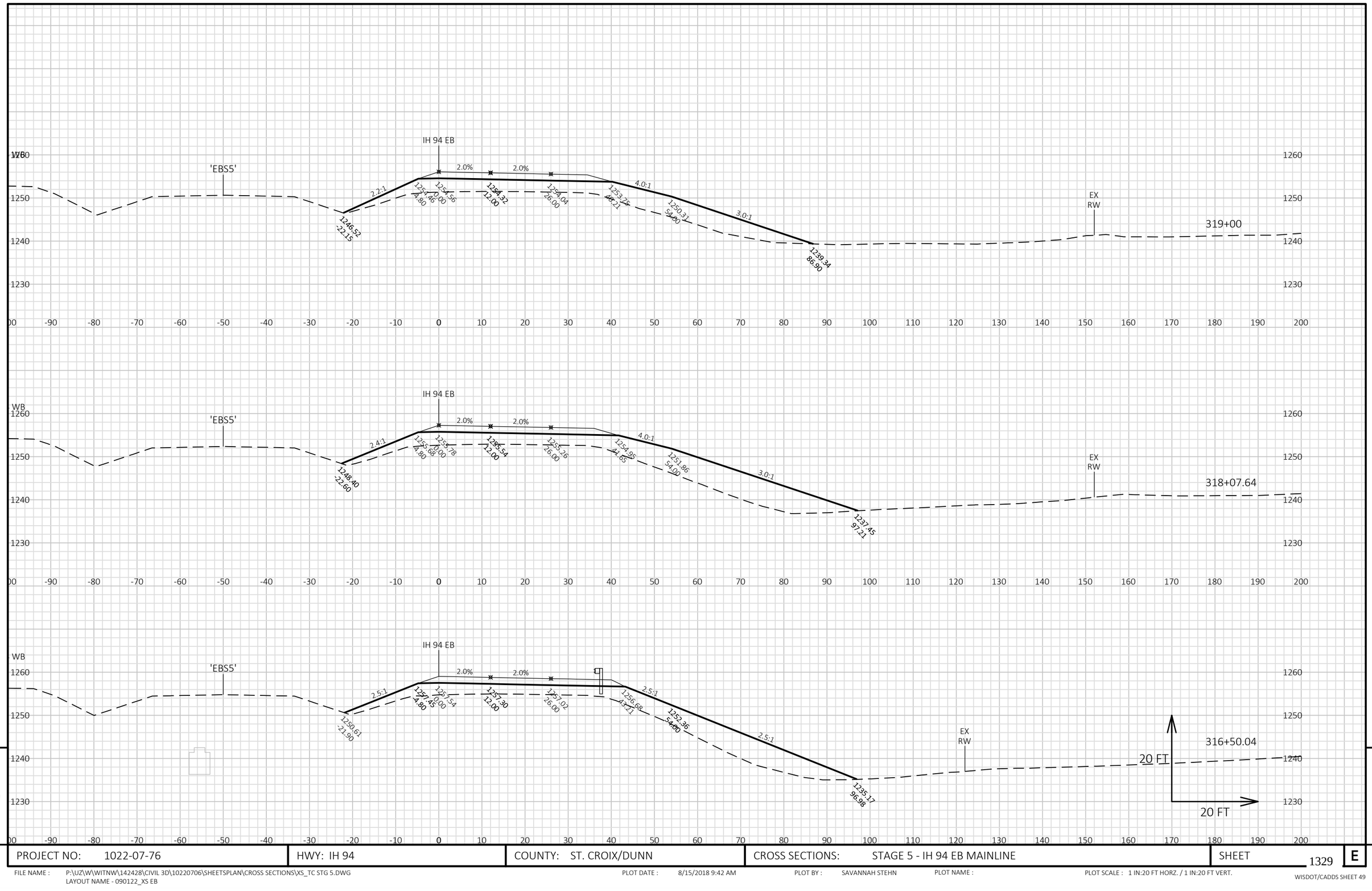
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1328	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090121_XS EB

PLOT DATE : 8/15/2018 9:41 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



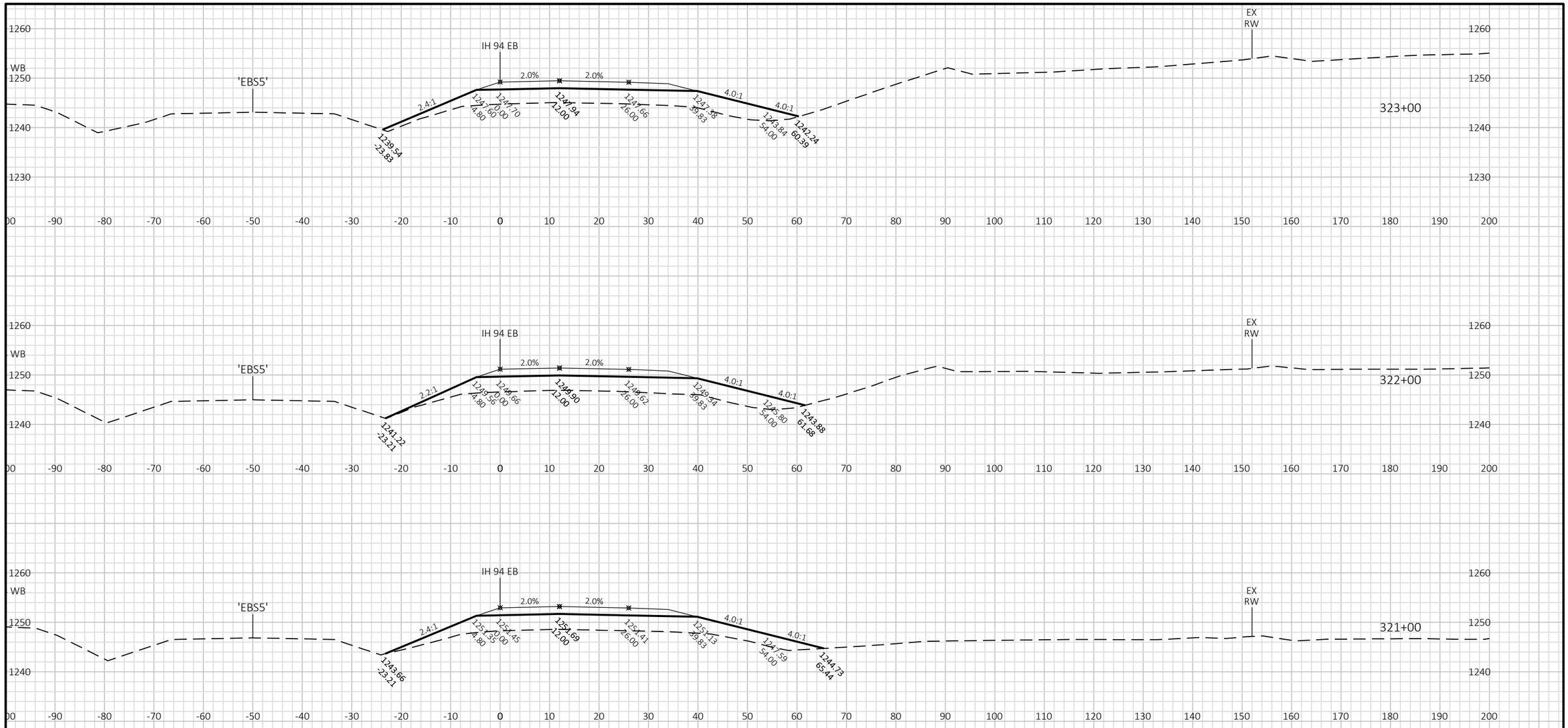
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1329 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090122_XS EB

PLOT DATE : 8/15/2018 9:42 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



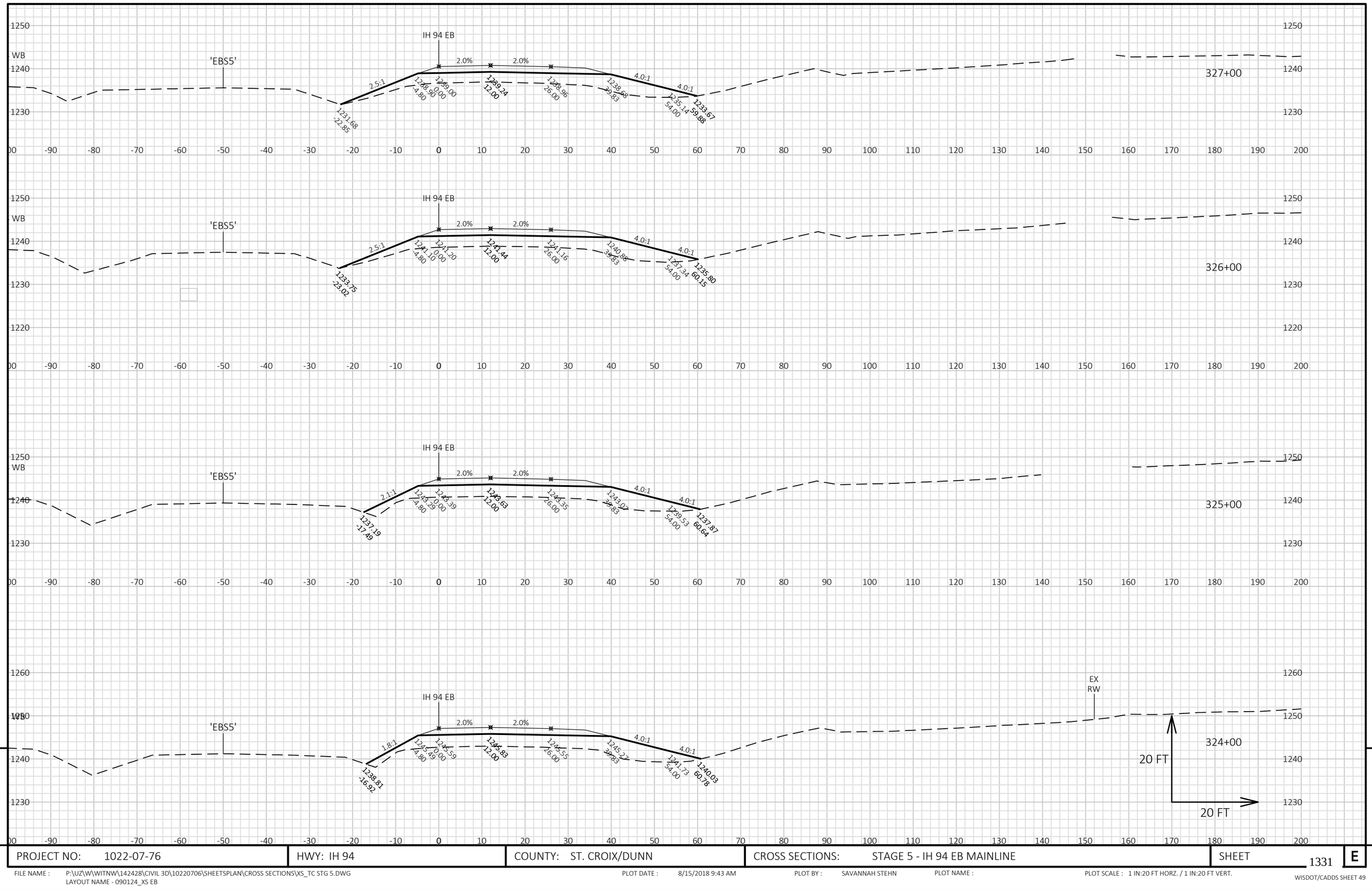
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1330	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090123_XS EB

PLOT DATE : 8/15/2018 9:42 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



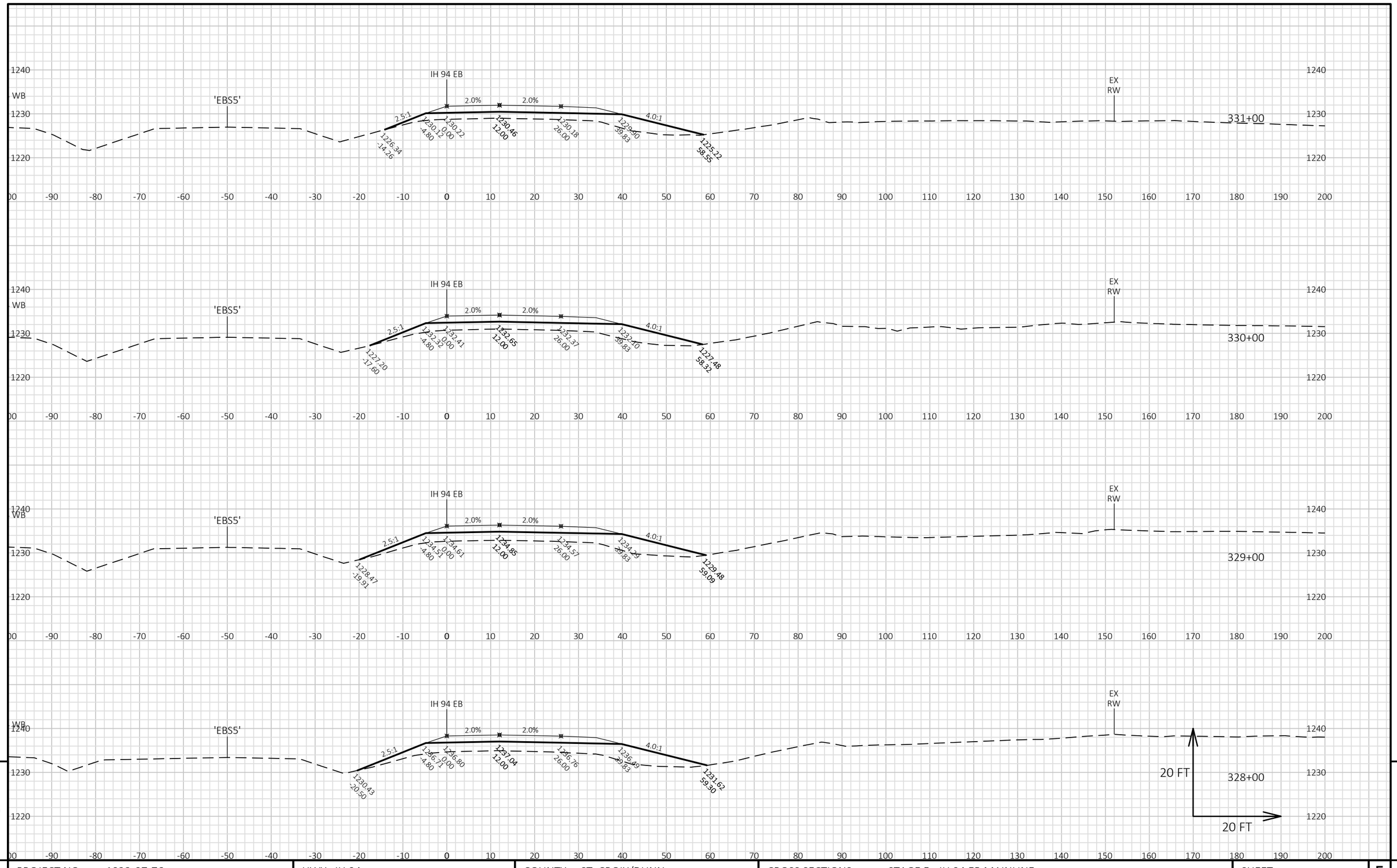
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1331 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090124_XS EB

PLOT DATE : 8/15/2018 9:43 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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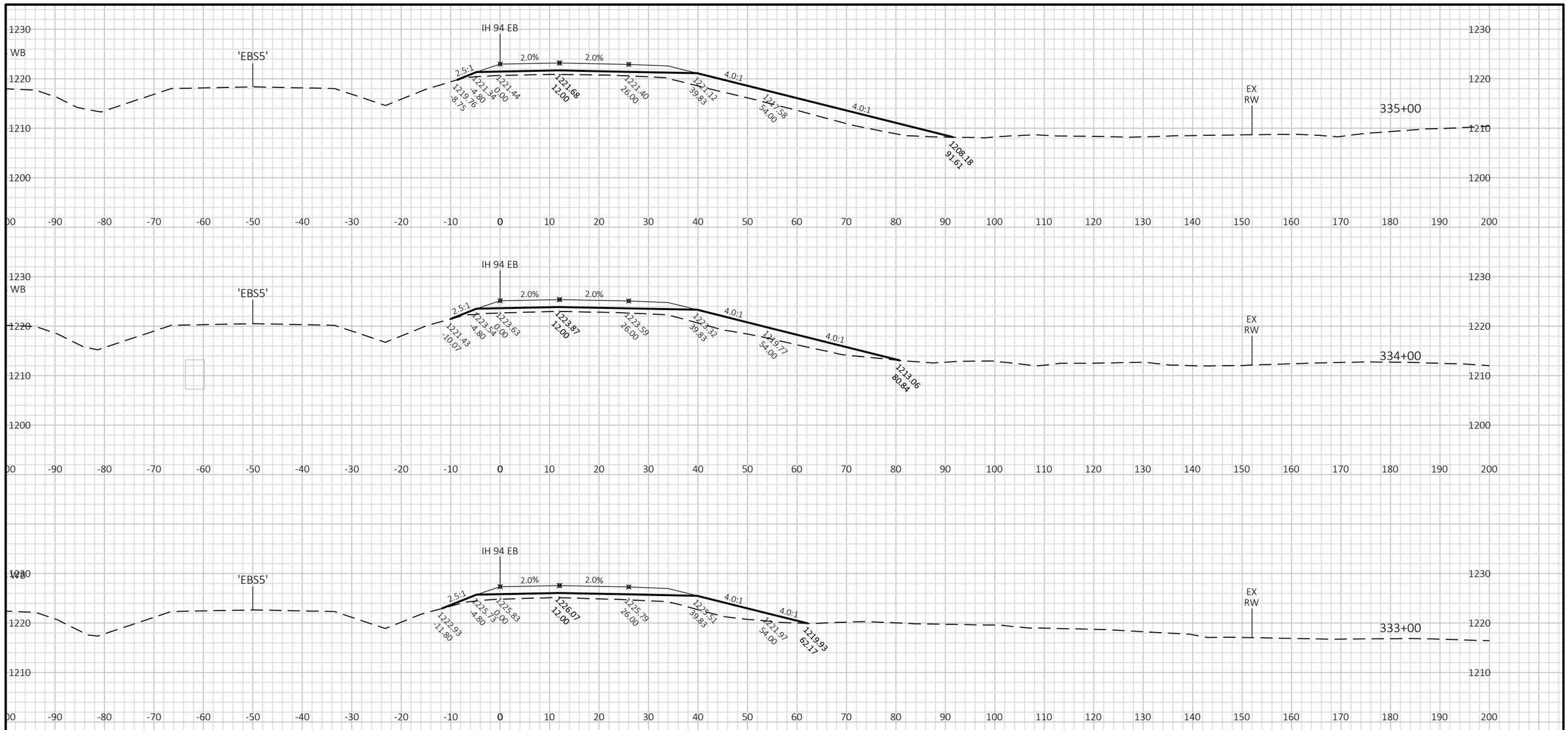
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1332	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090125_XS EB

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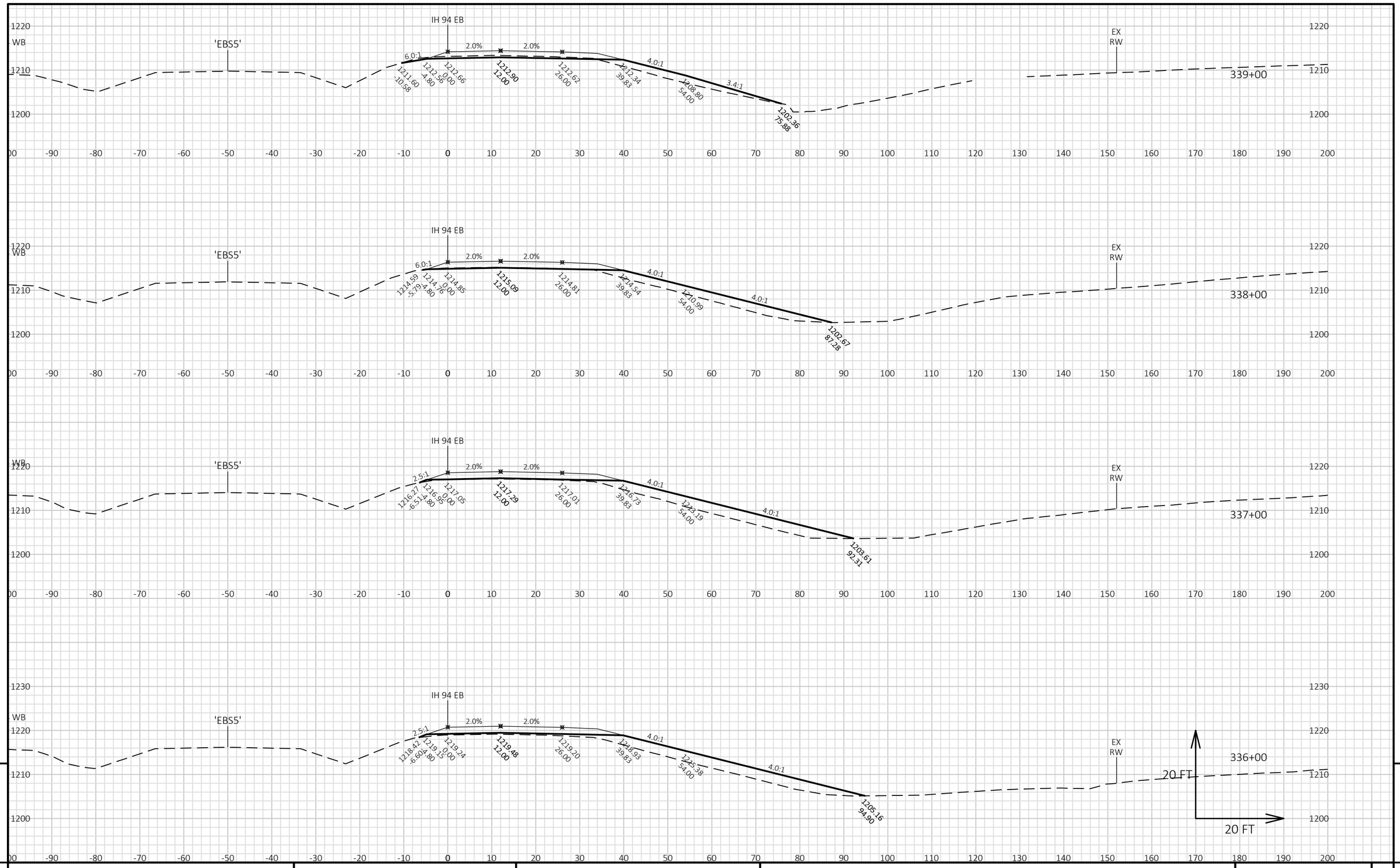


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1333	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090126_XS EB

PLOT DATE : 8/15/2018 9:44 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

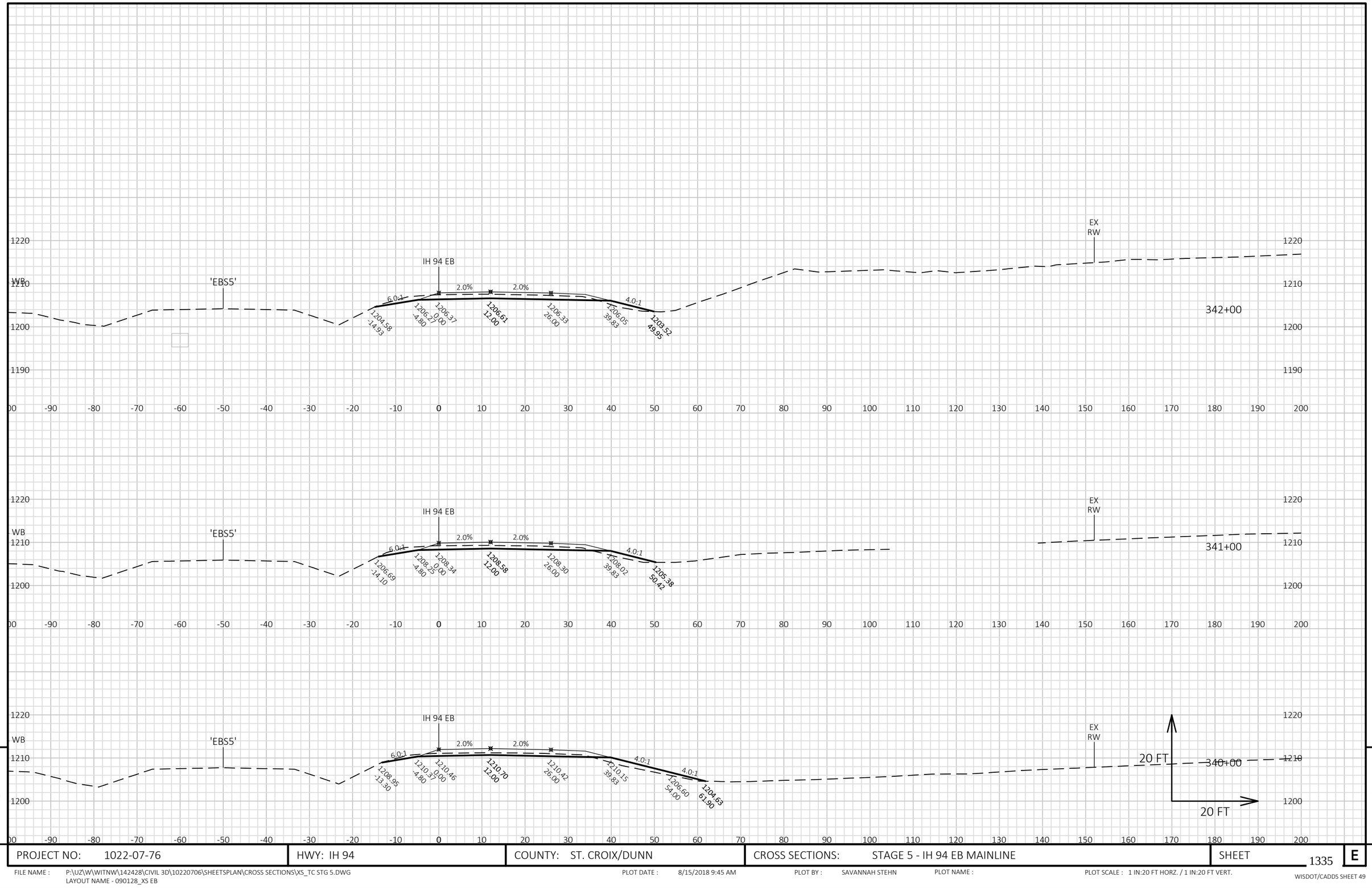


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1334	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090127_XS EB

PLOT DATE : 8/15/2018 9:44 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



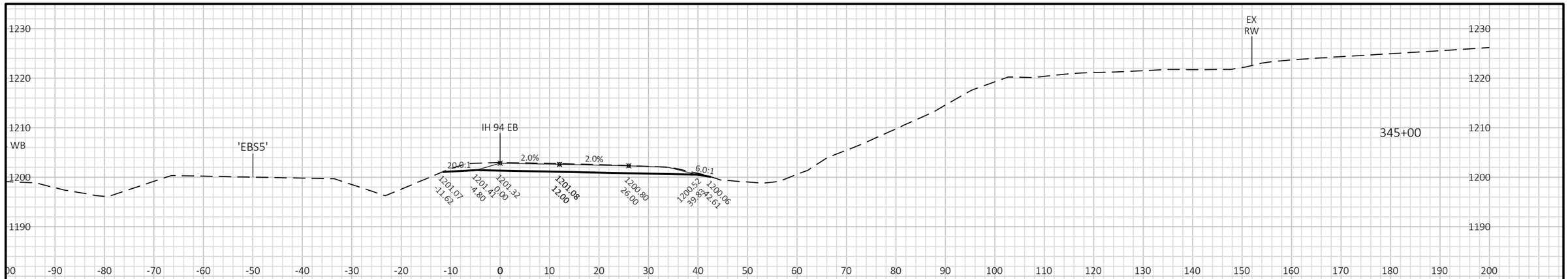
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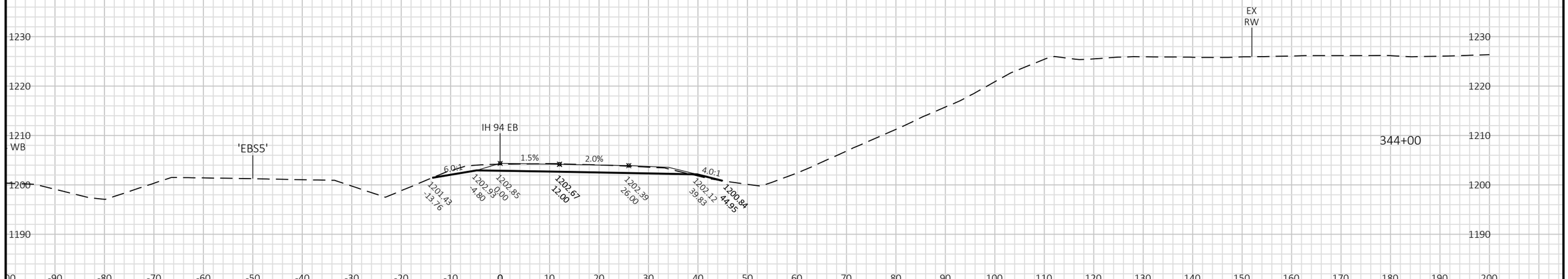
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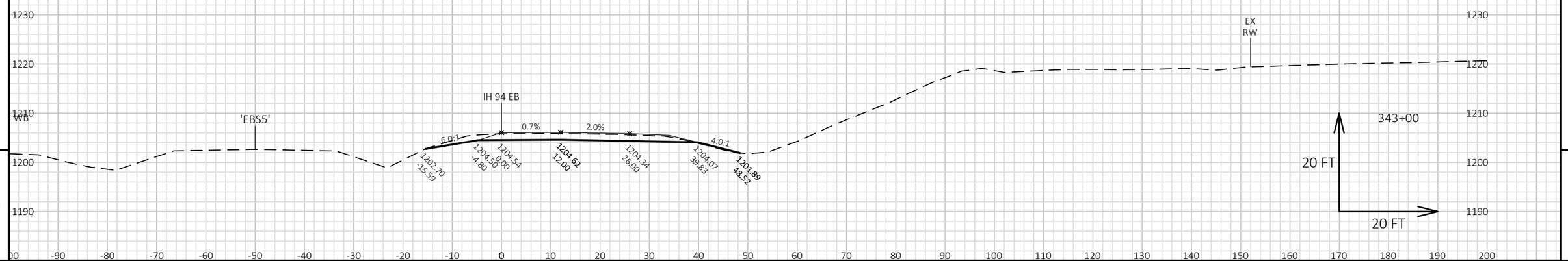
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1335	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090128_XS EB

PLOT DATE : 8/15/2018 9:45 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.







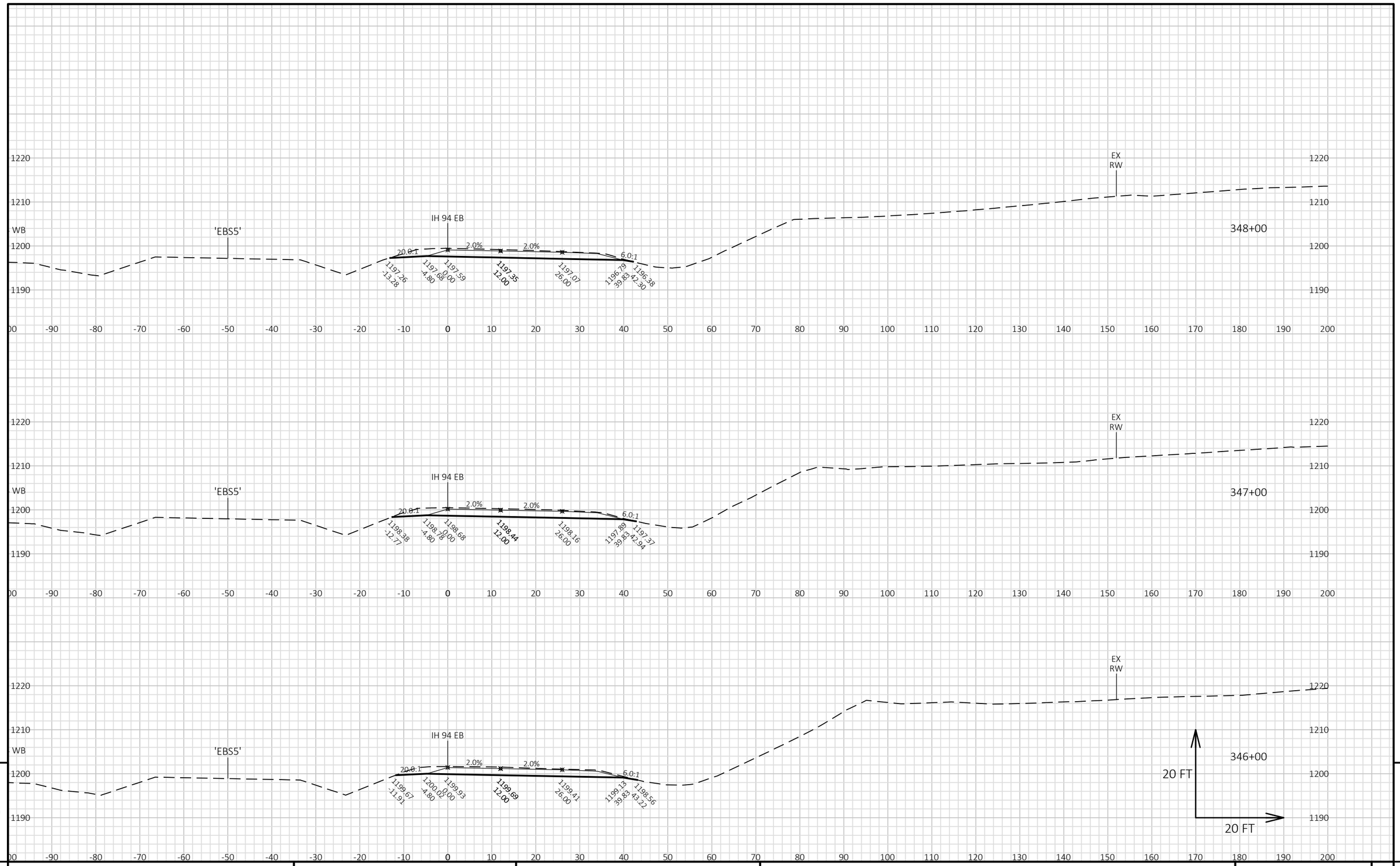
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1336	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090129_XS EB

PLOT DATE : 8/15/2018 9:46 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1337	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090130_XS EB

PLOT DATE : 8/15/2018 9:46 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

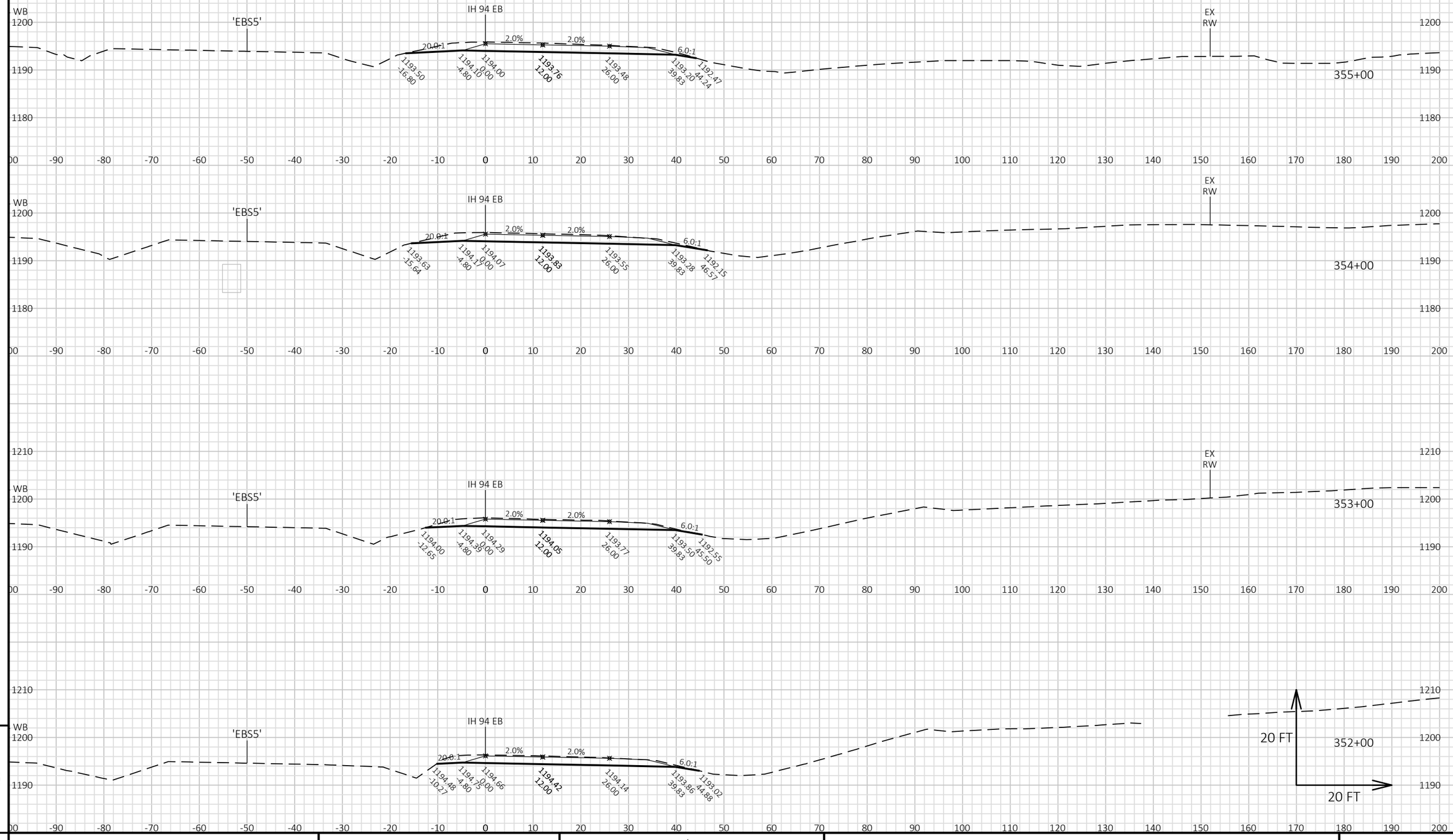
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1338	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090131_XS EB

PLOT DATE : 8/15/2018 9:47 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

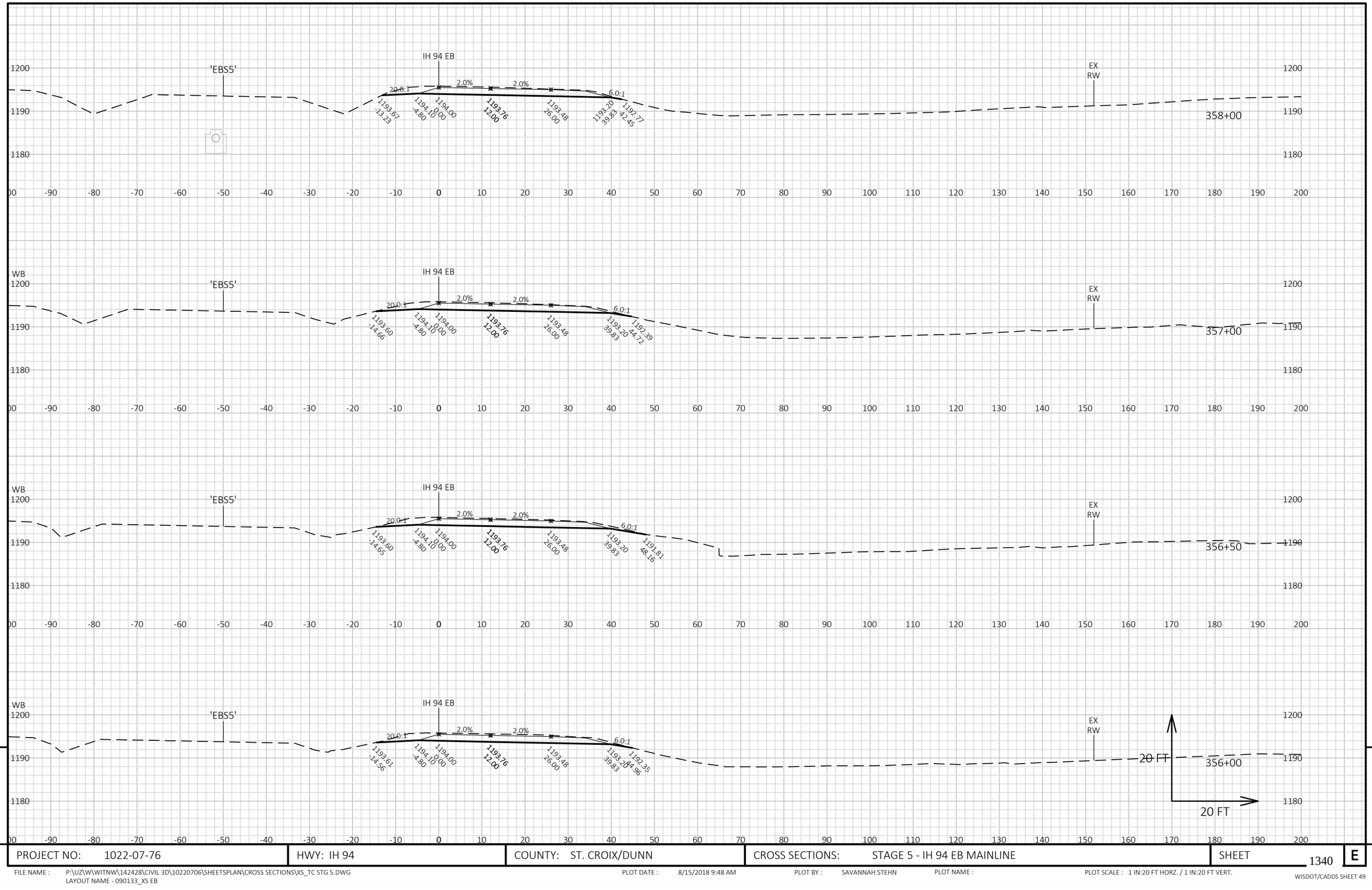


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1339 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090132_XS EB

PLOT DATE : 8/15/2018 9:47 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



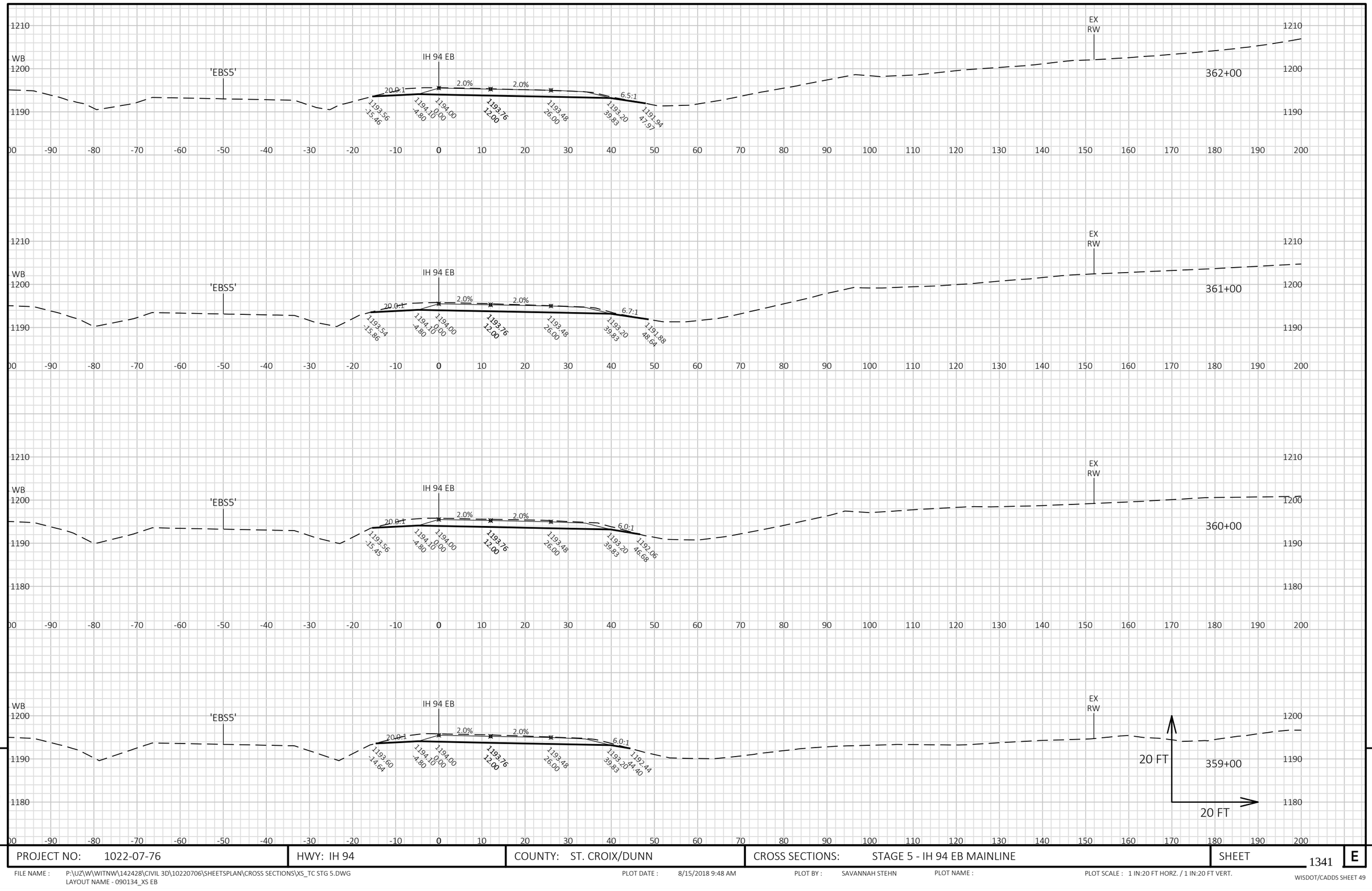
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1340	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090133_XS EB

PLOT DATE : 8/15/2018 9:48 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



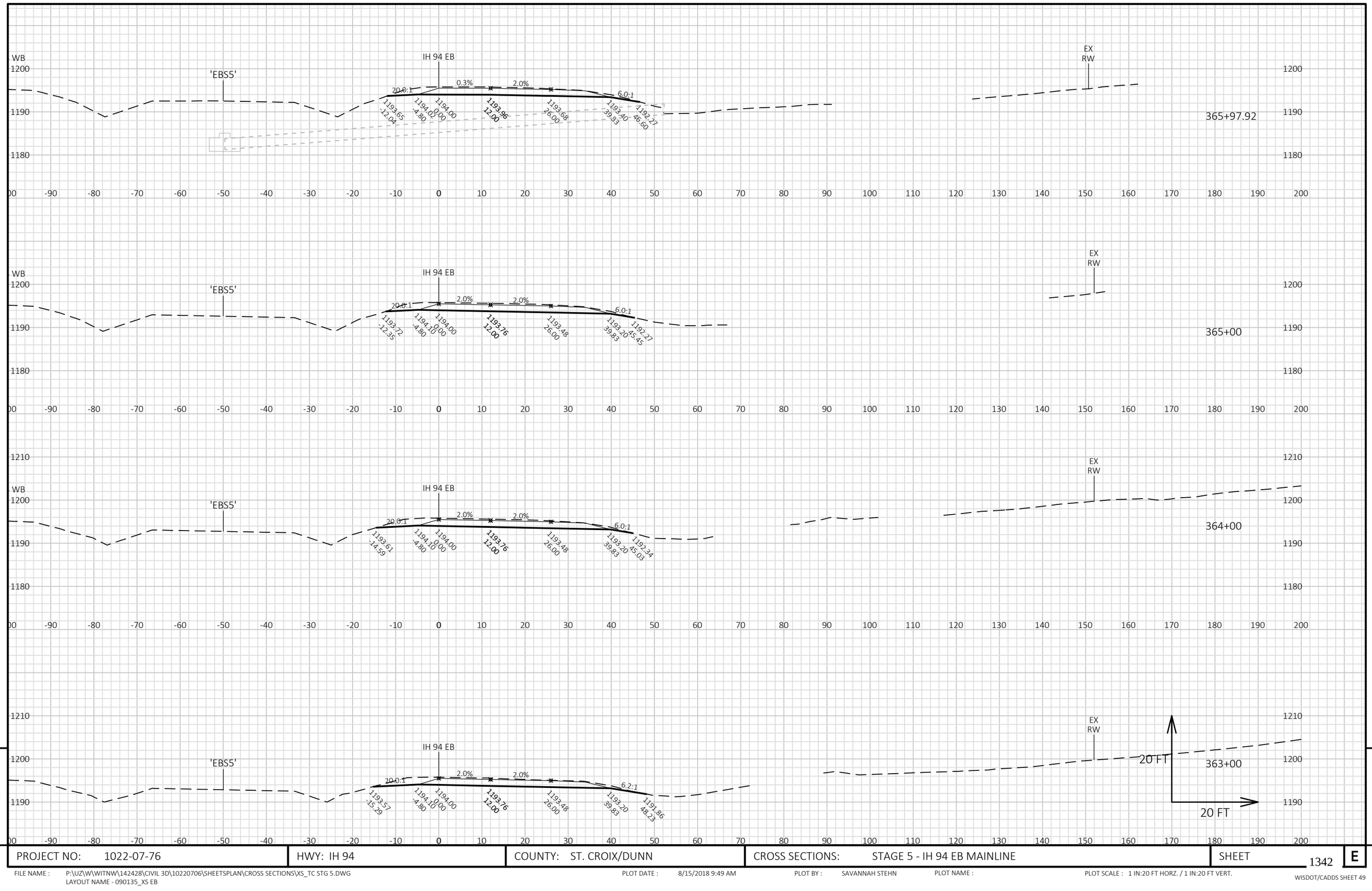
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1341 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090134_XS EB

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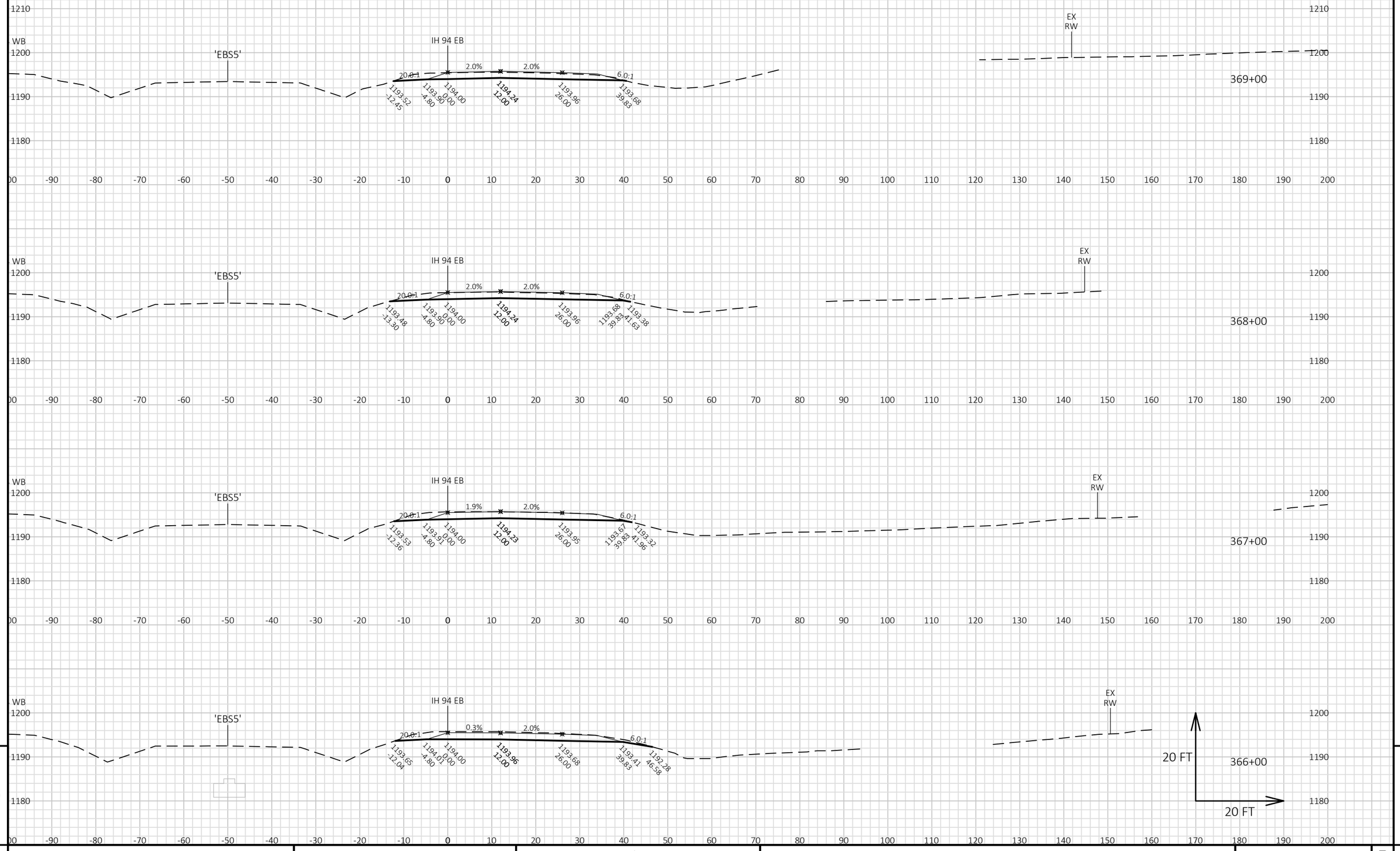
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1342	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090135_XS EB

PLOT DATE : 8/15/2018 9:49 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



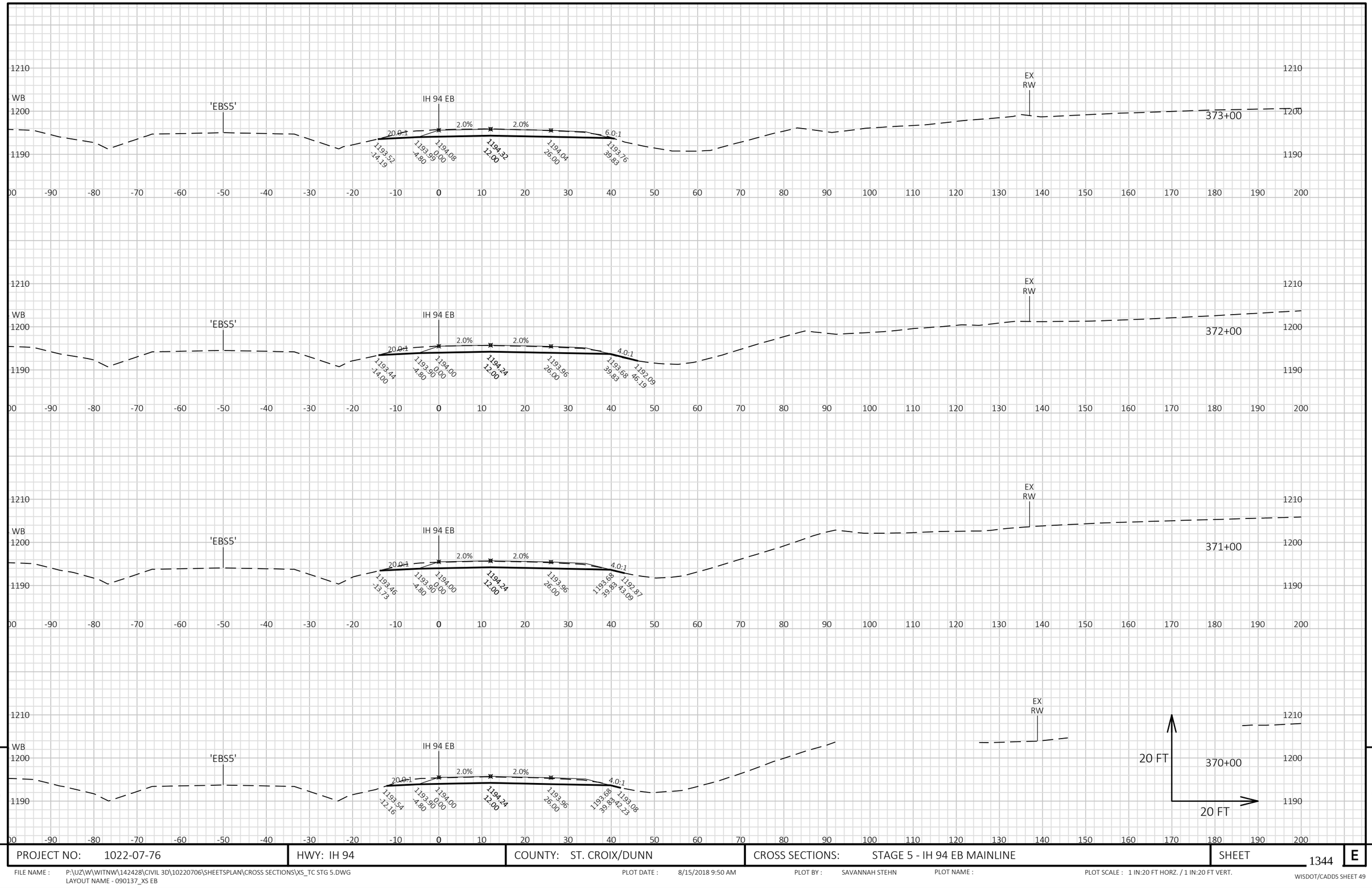
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1343	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090136_XS EB

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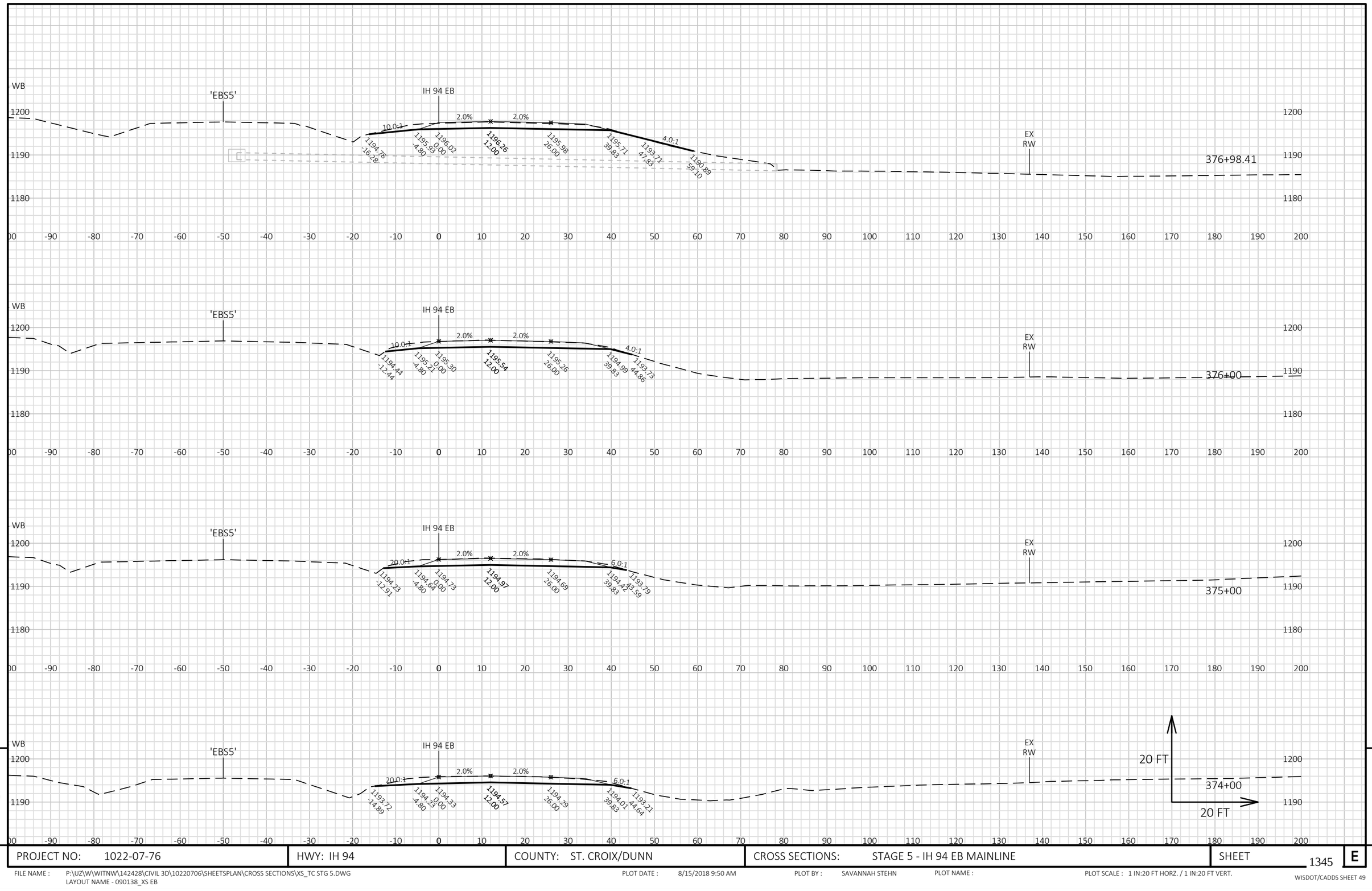
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1344	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090137_XS EB

PLOT DATE : 8/15/2018 9:50 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



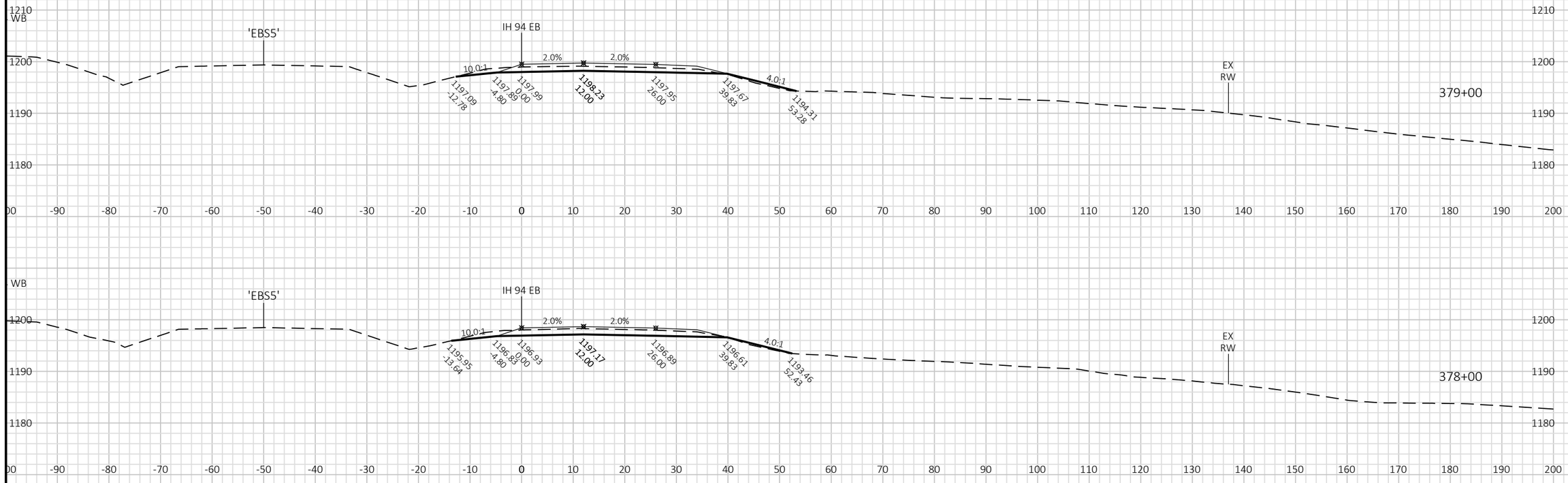
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1345	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090138_XS EB

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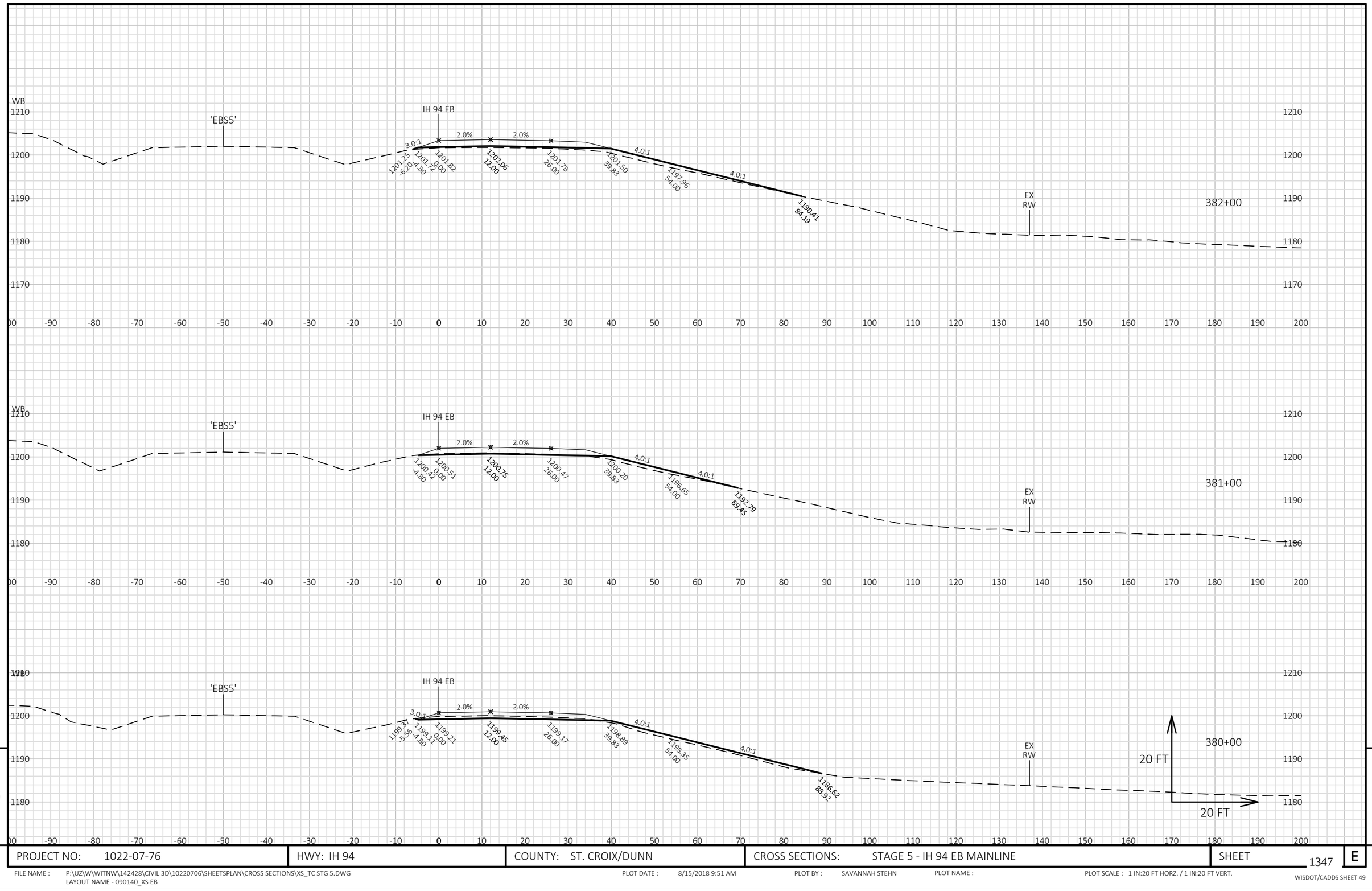
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1346	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090139_XS EB

PLOT DATE : 8/15/2018 9:51 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



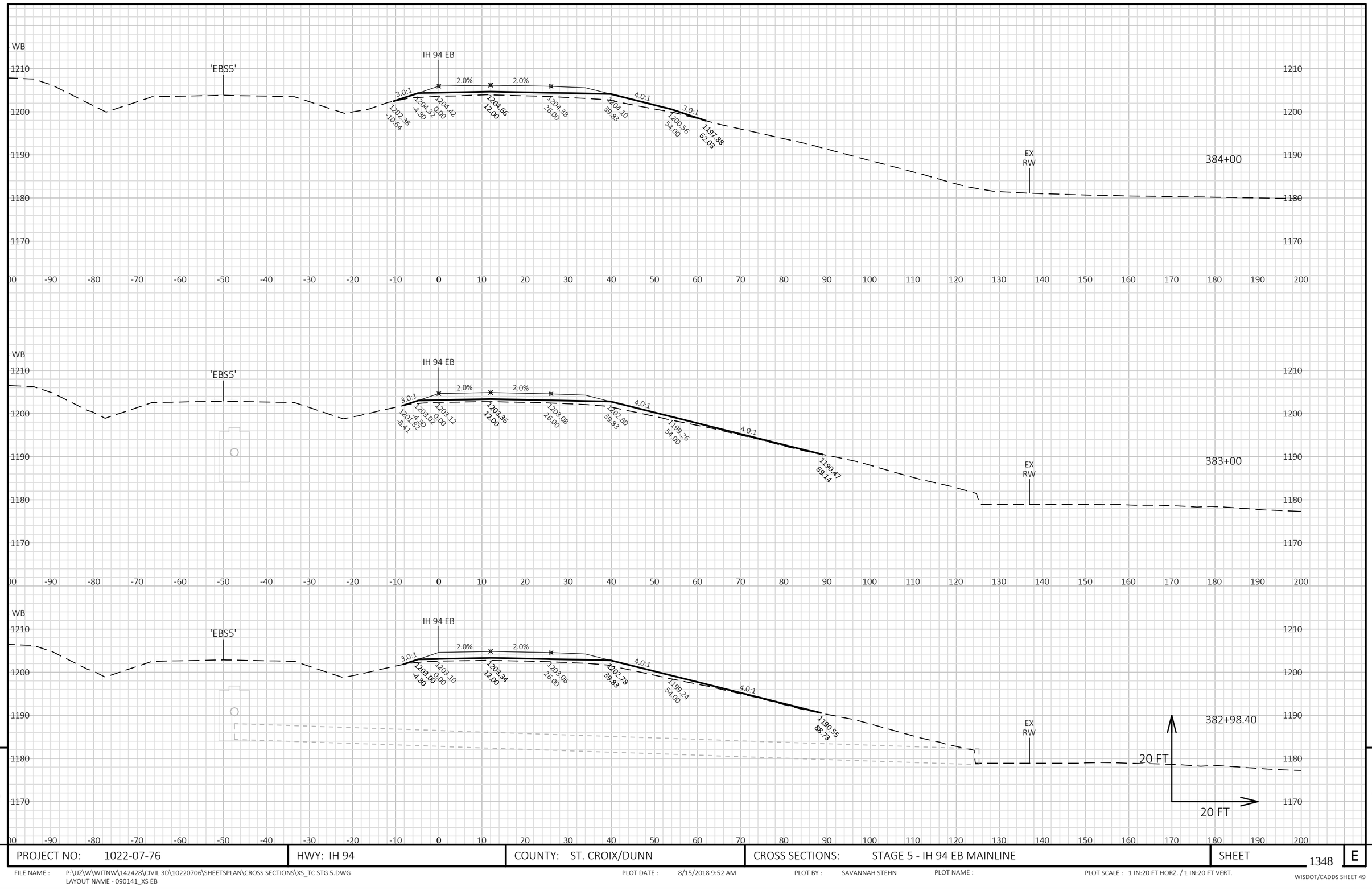
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FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090140_XS EB

PLOT DATE : 8/15/2018 9:51 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

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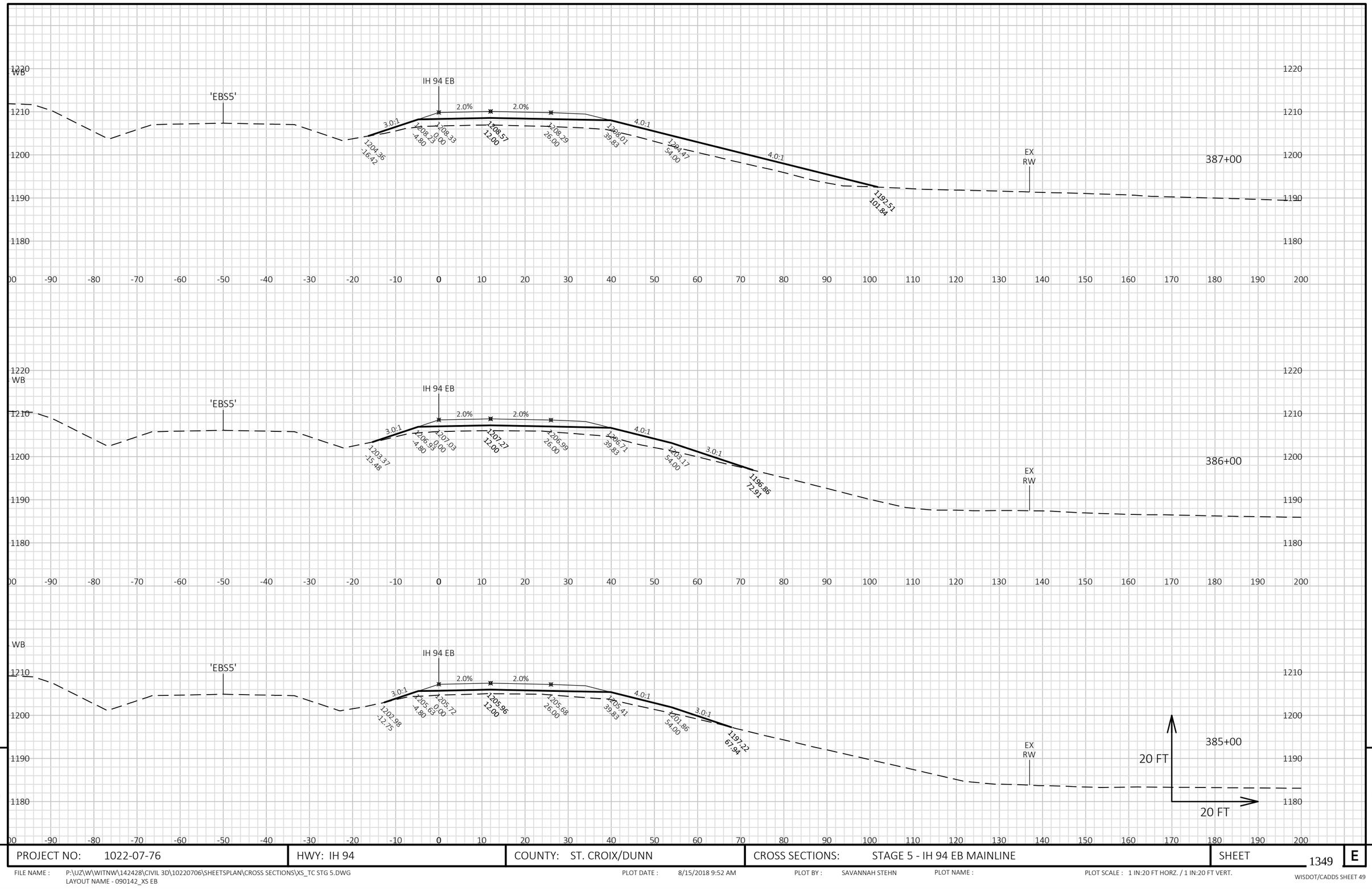
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1348 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090141_XS EB

PLOT DATE : 8/15/2018 9:52 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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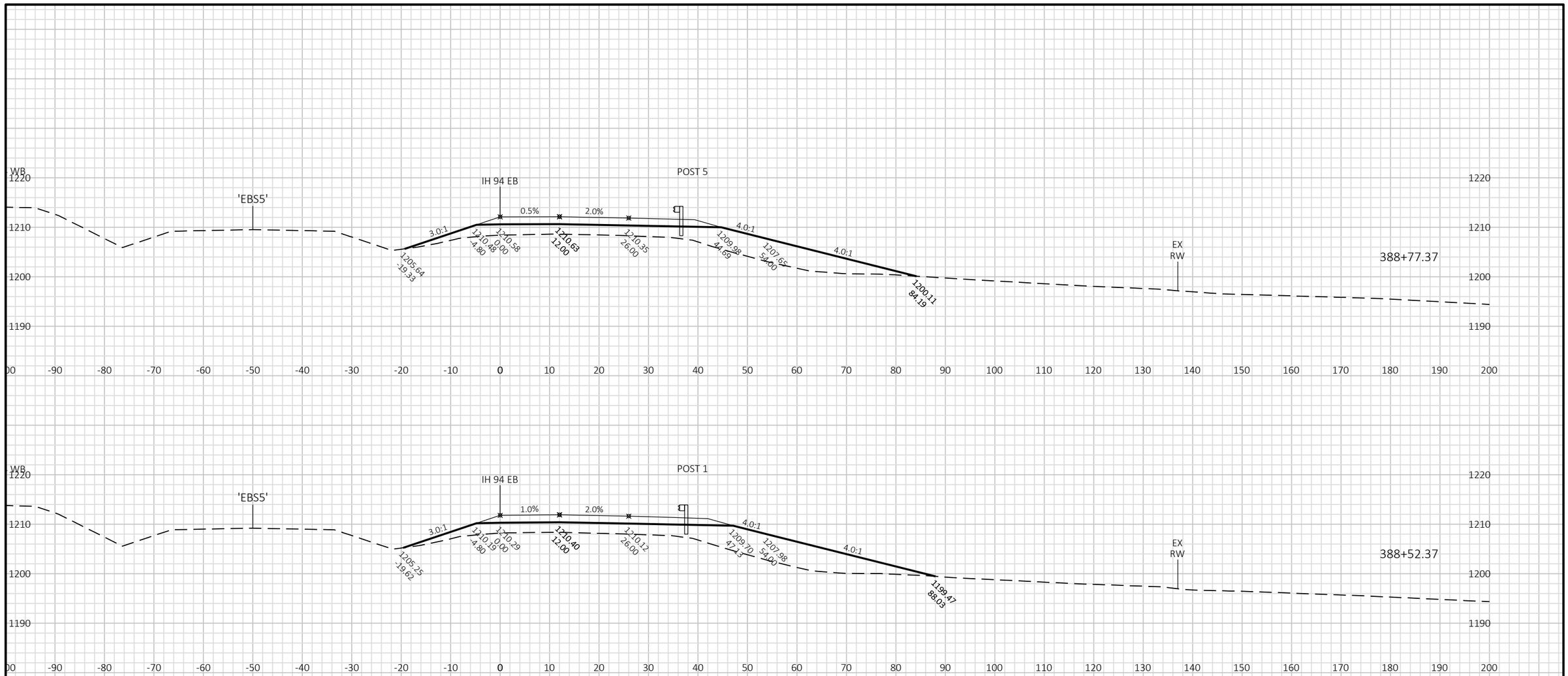
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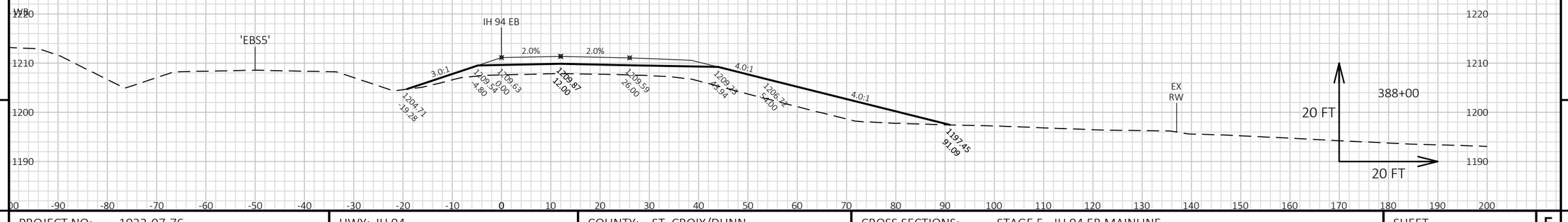
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FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090142_XS EB

PLOT DATE : 8/15/2018 9:52 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





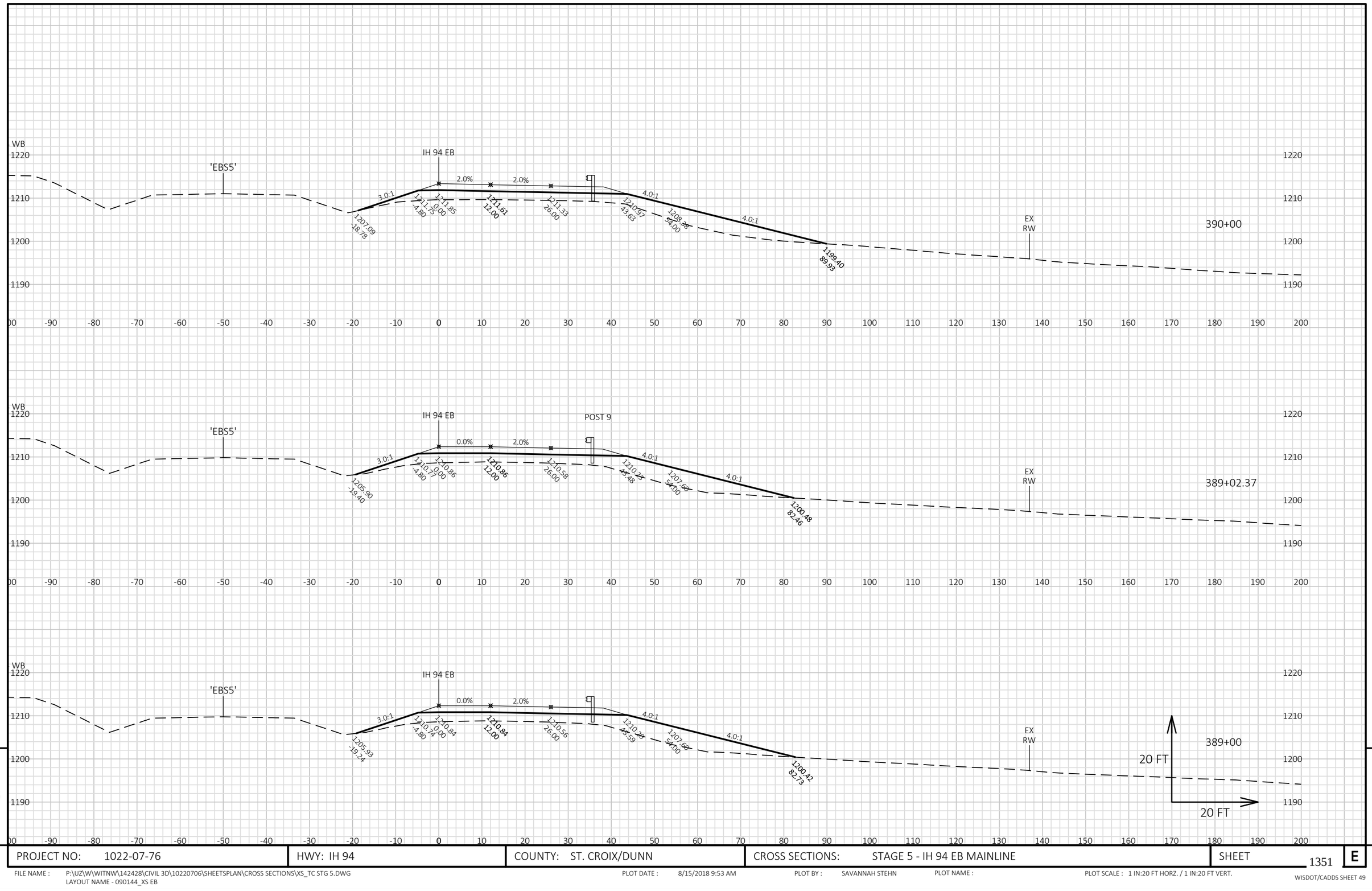
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1350	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090143_XS EB

PLOT DATE : 8/15/2018 9:53 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



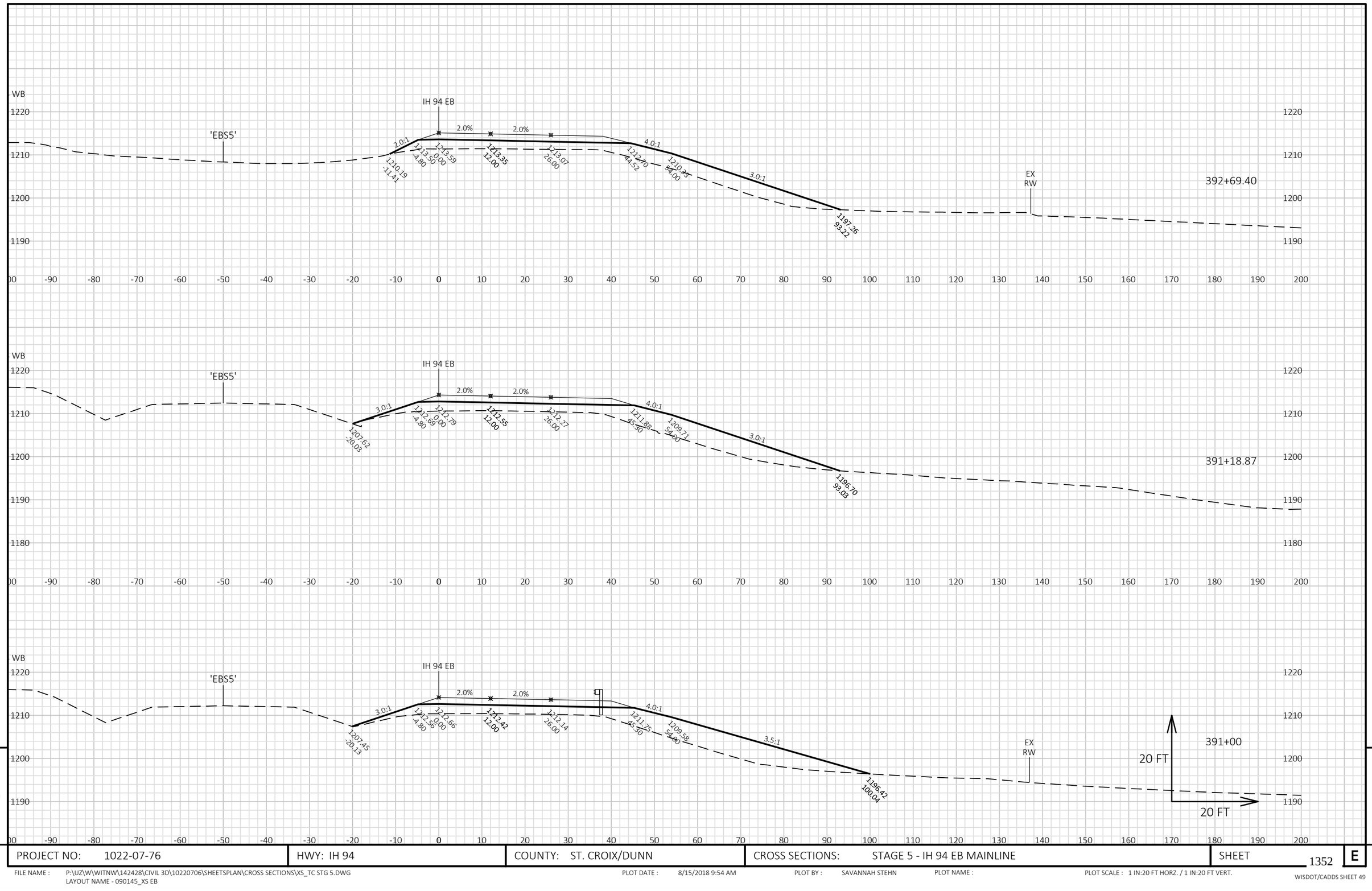
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1351	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090144_XS EB

PLOT DATE : 8/15/2018 9:53 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1352	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090145_XS EB

PLOT DATE : 8/15/2018 9:54 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

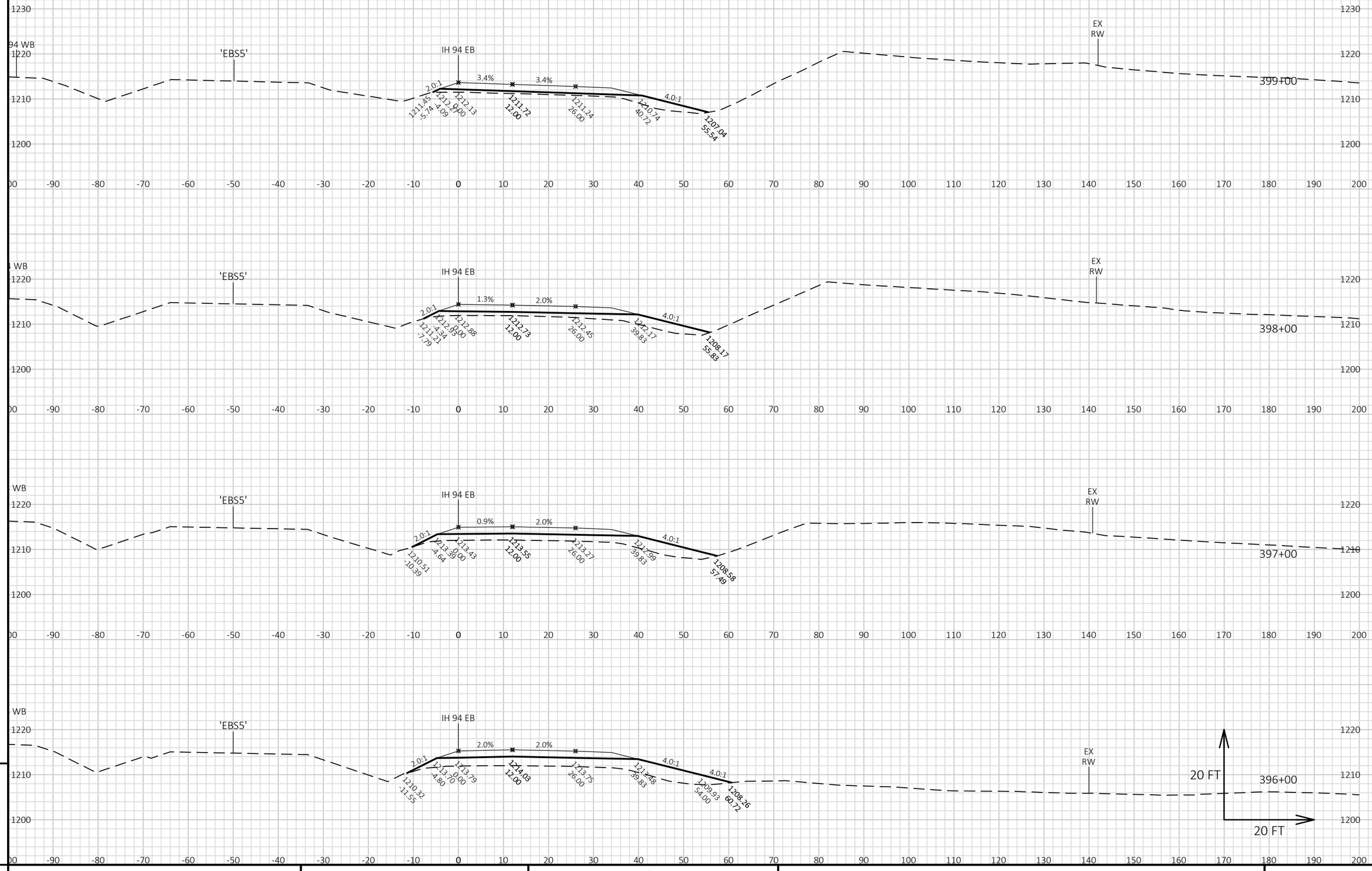
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1353	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090146_XS EB

PLOT DATE : 8/15/2018 9:54 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



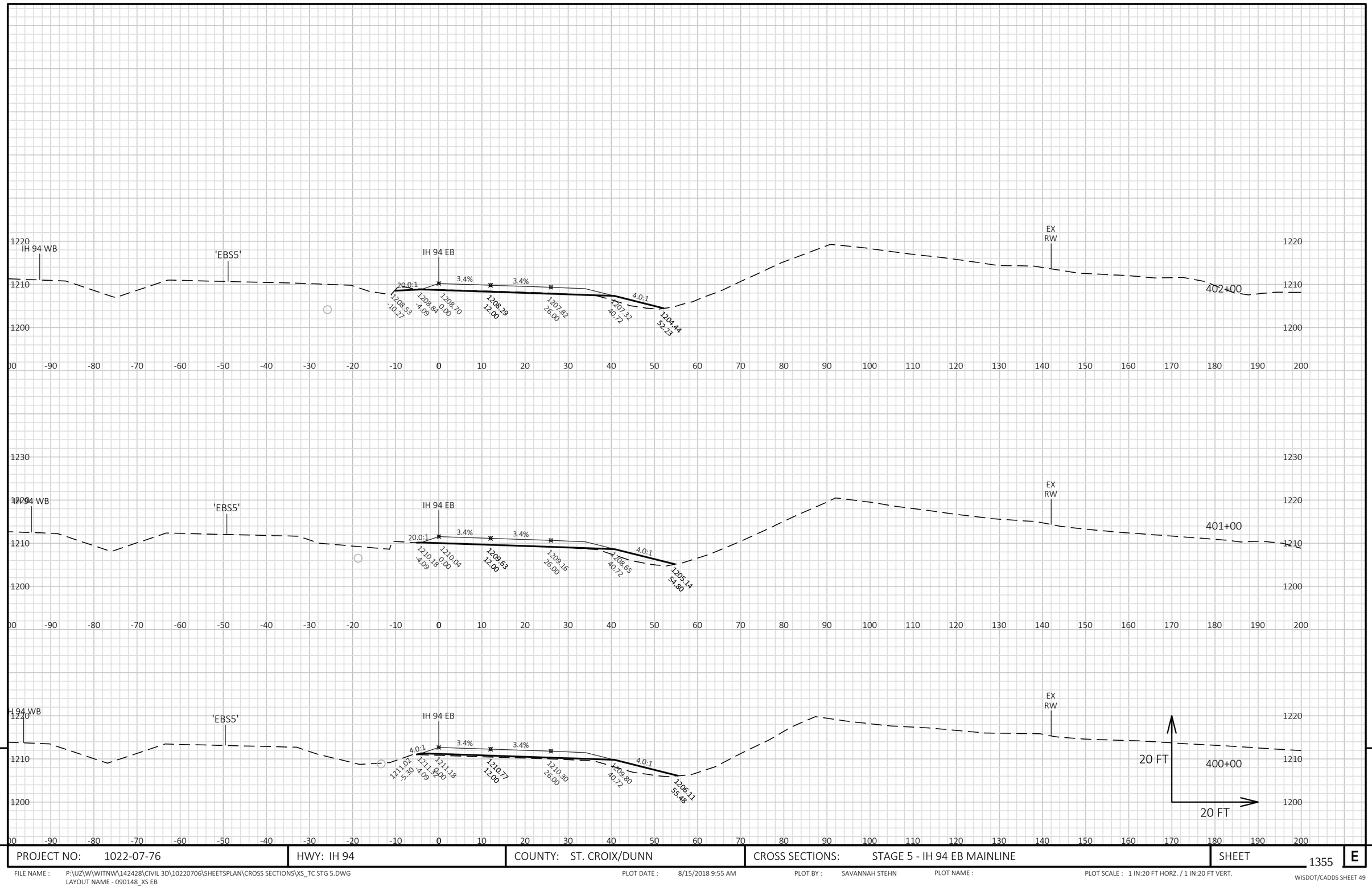
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1354 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090147_XS EB

PLOT DATE : 8/15/2018 9:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9 9



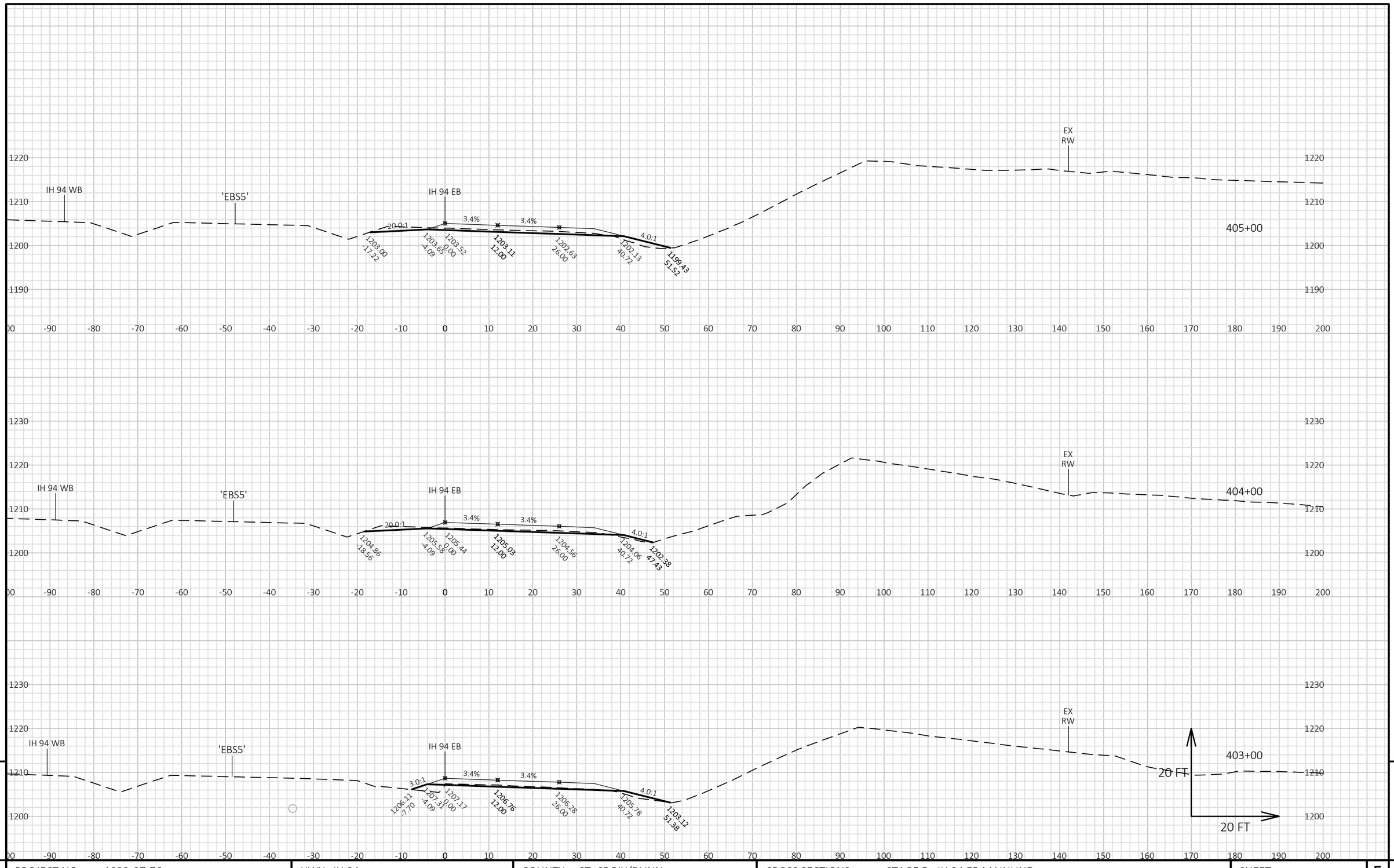
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1355 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090148_XS EB

PLOT DATE : 8/15/2018 9:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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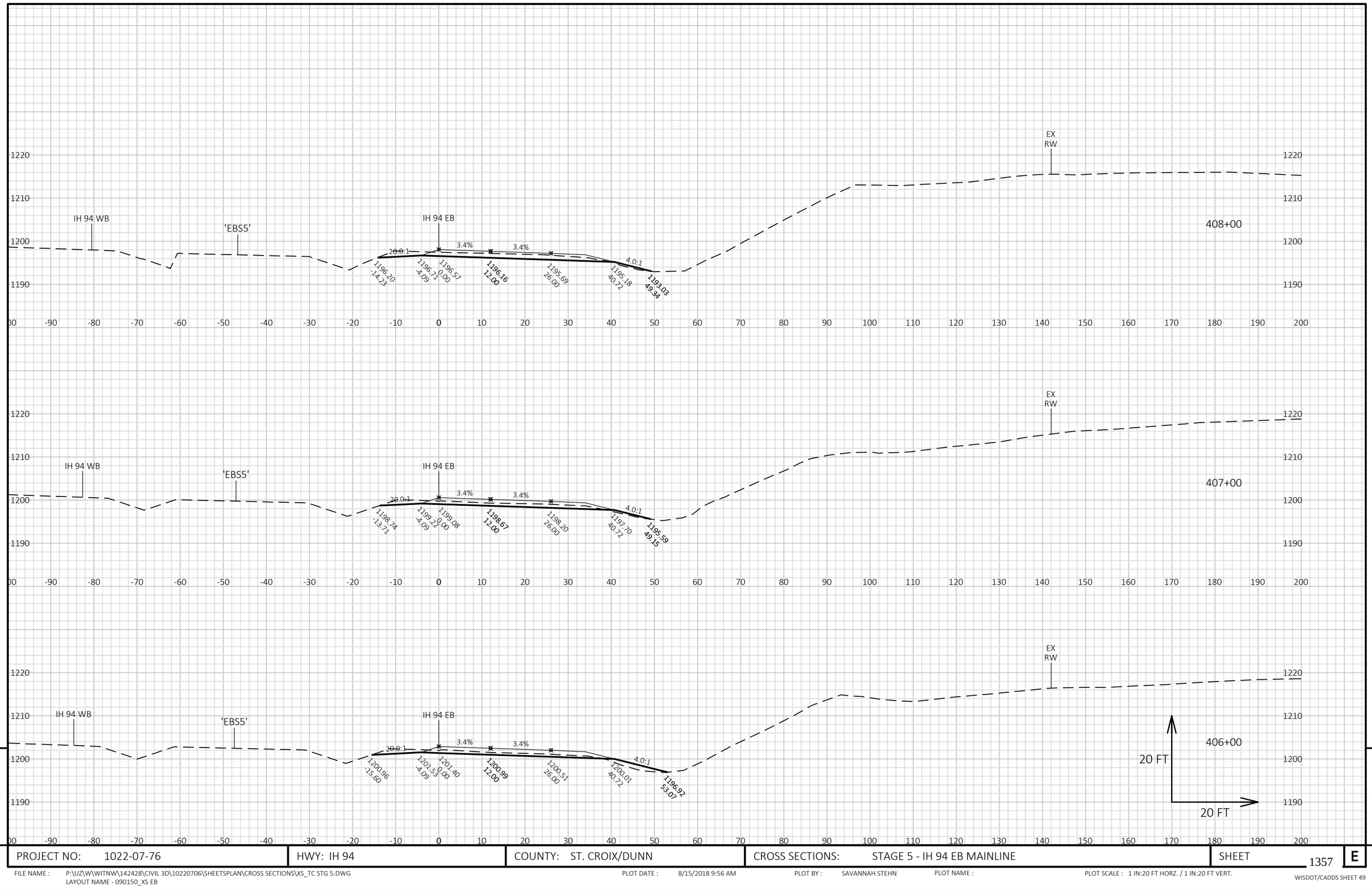
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1356	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090149_XS EB

PLOT DATE : 8/15/2018 9:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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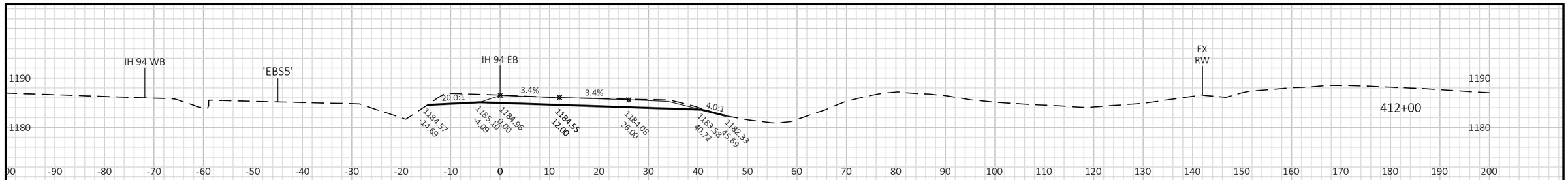
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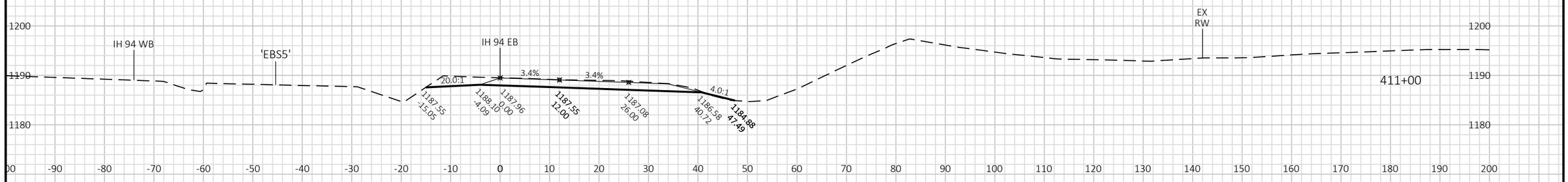
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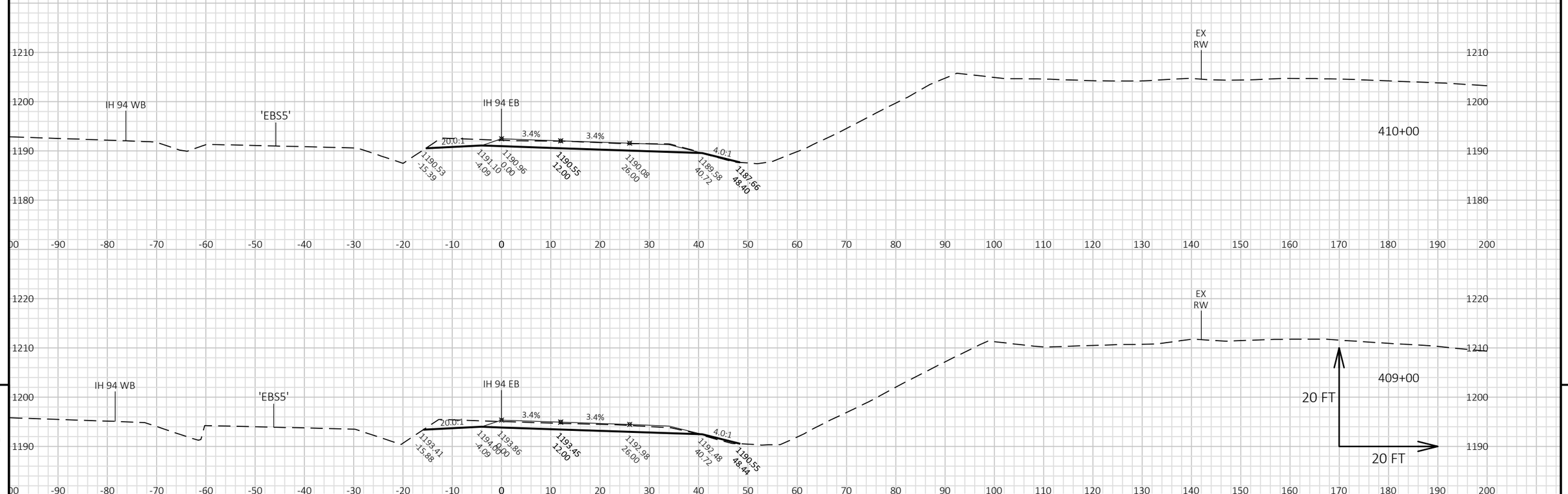
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1357	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090150_XS EB

PLOT DATE : 8/15/2018 9:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.







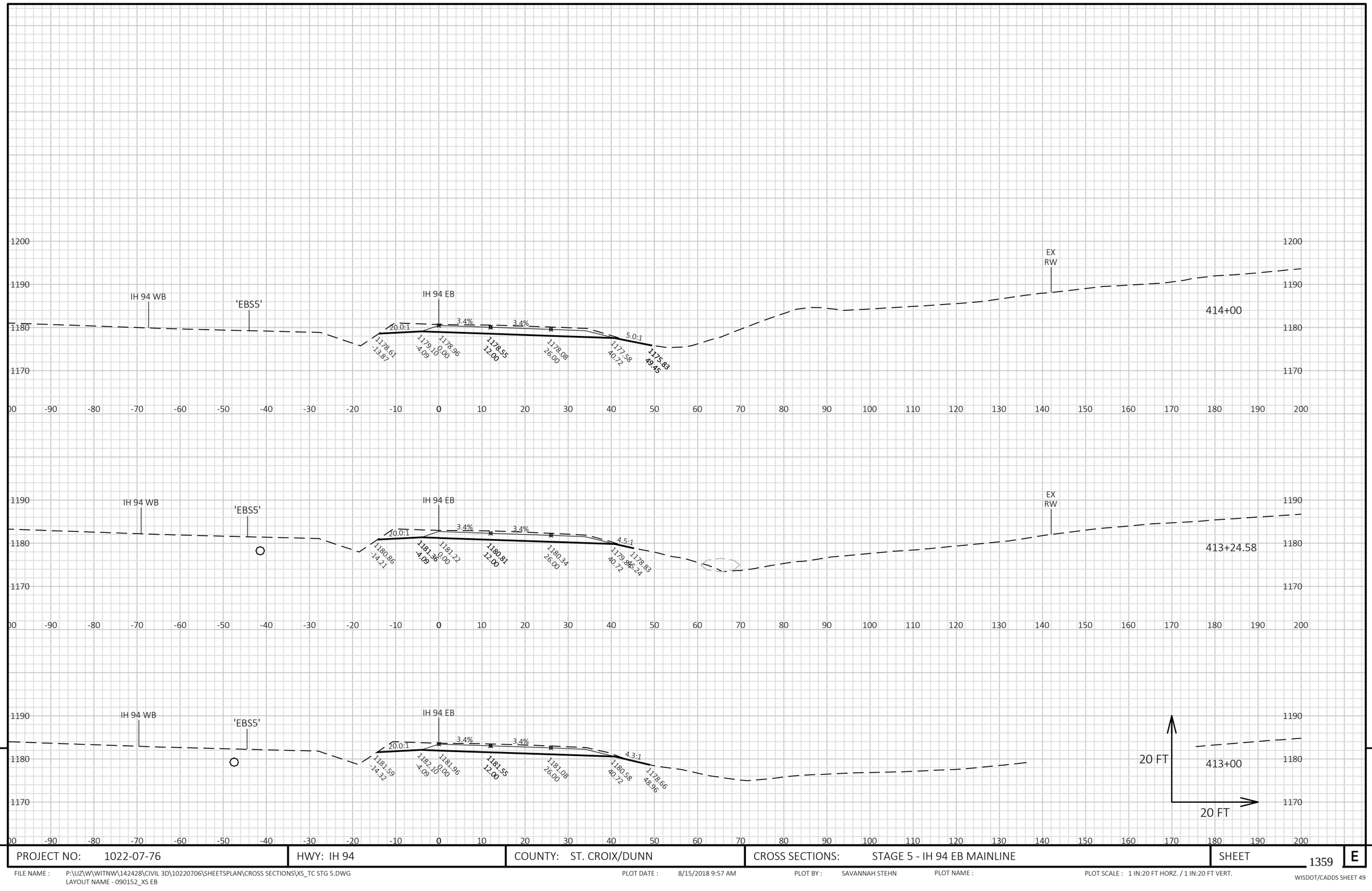
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1358	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090151_XS EB

PLOT DATE : 8/15/2018 9:57 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



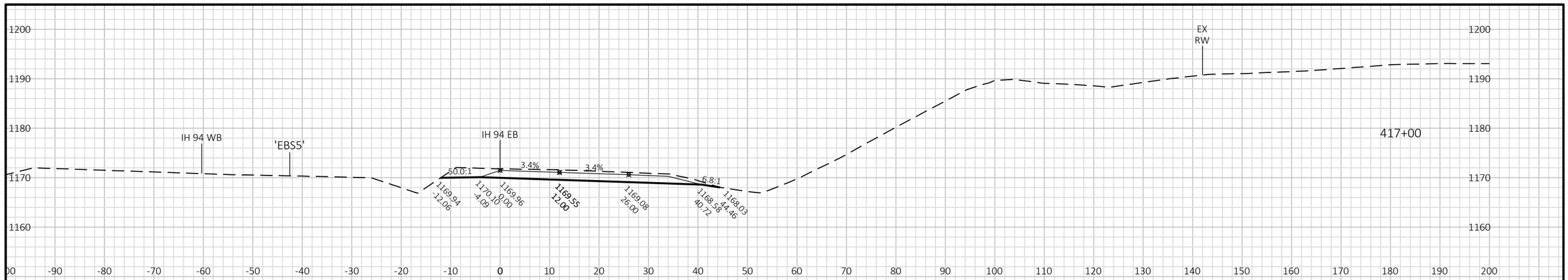
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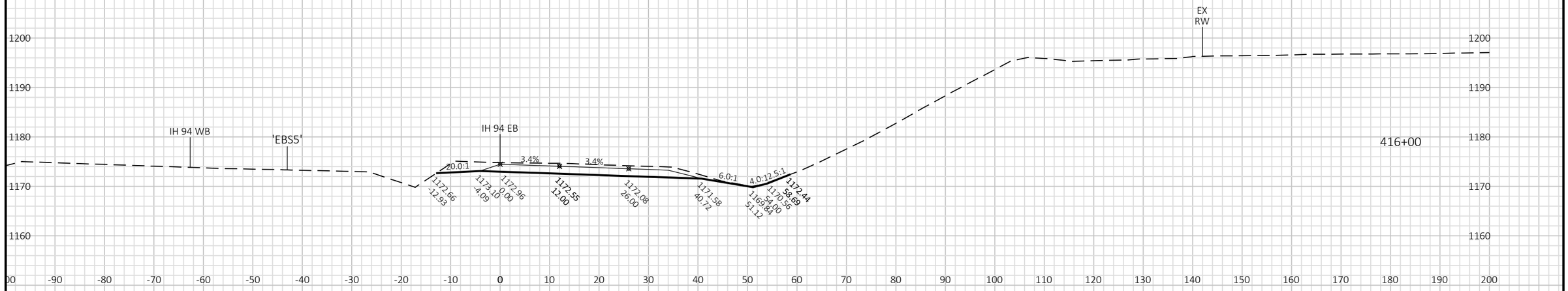
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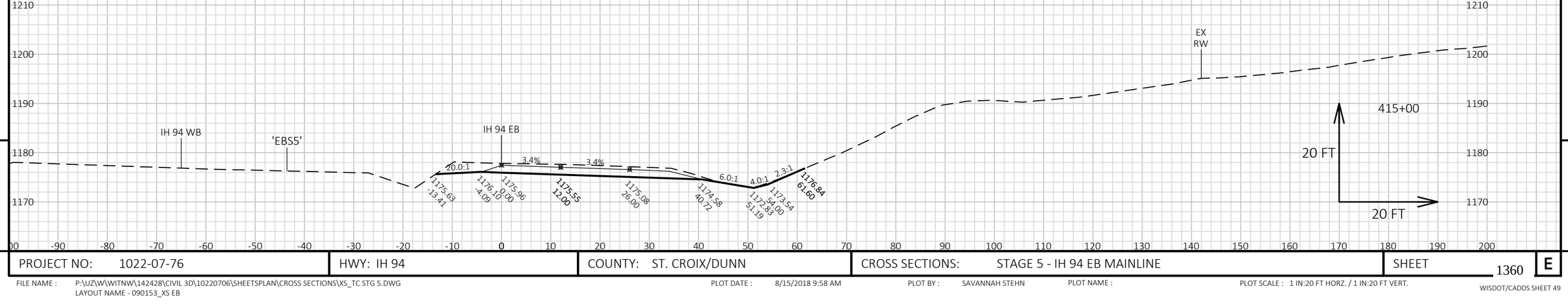
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1359	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090152_XS EB

PLOT DATE : 8/15/2018 9:57 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.







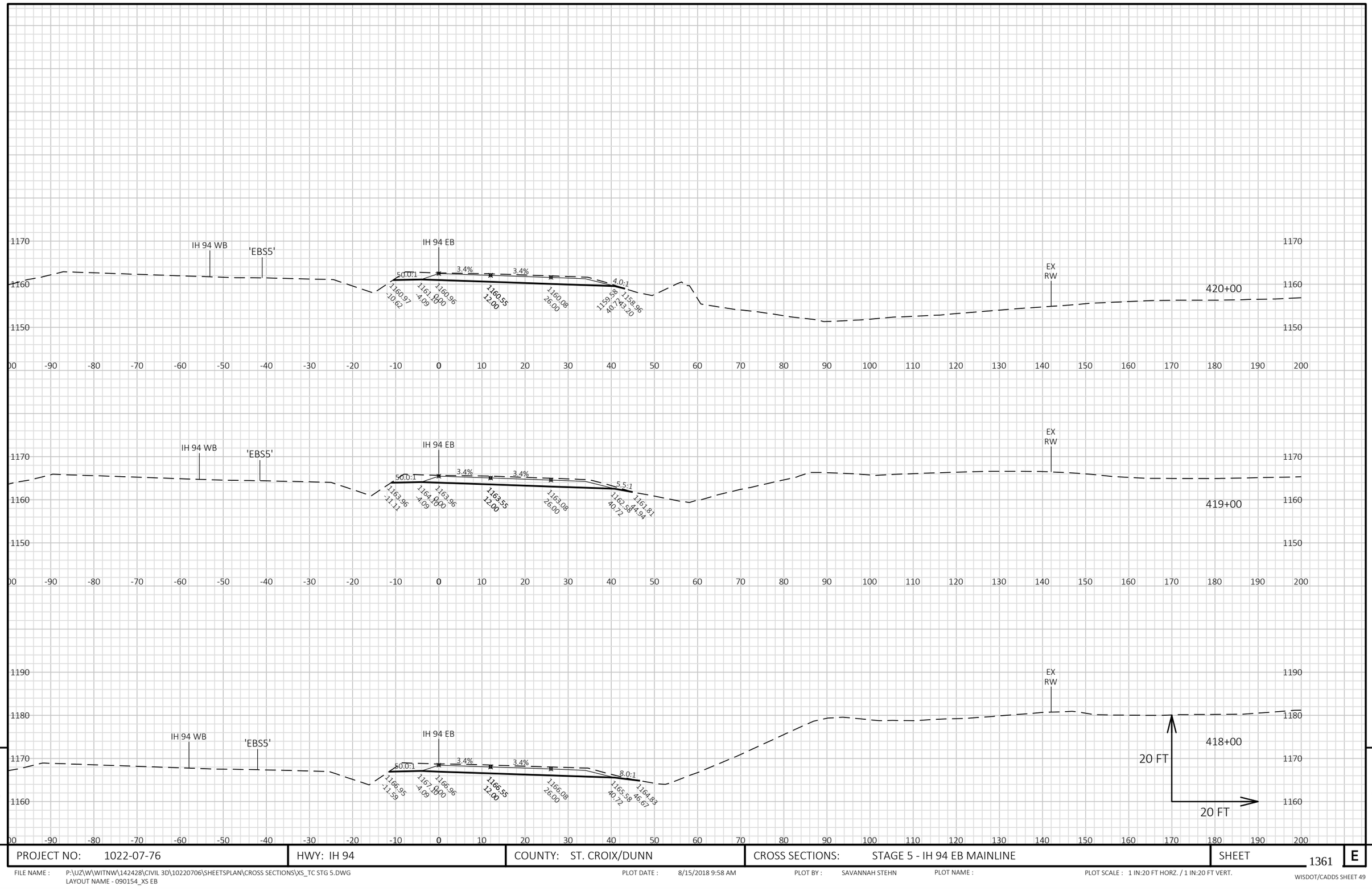
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1360	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090153_XS EB

PLOT DATE : 8/15/2018 9:58 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



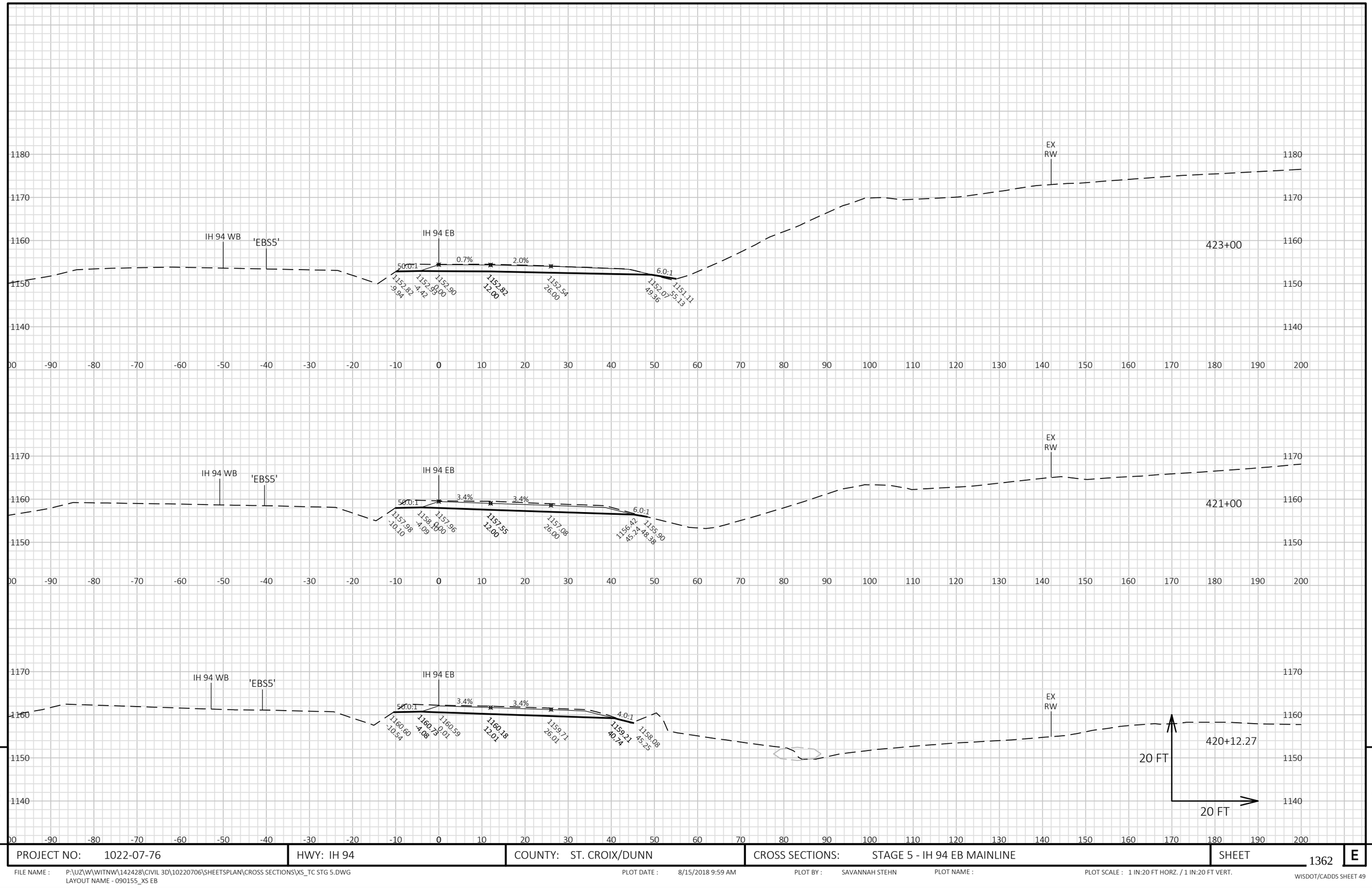
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1361	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090154_XS EB

PLOT DATE : 8/15/2018 9:58 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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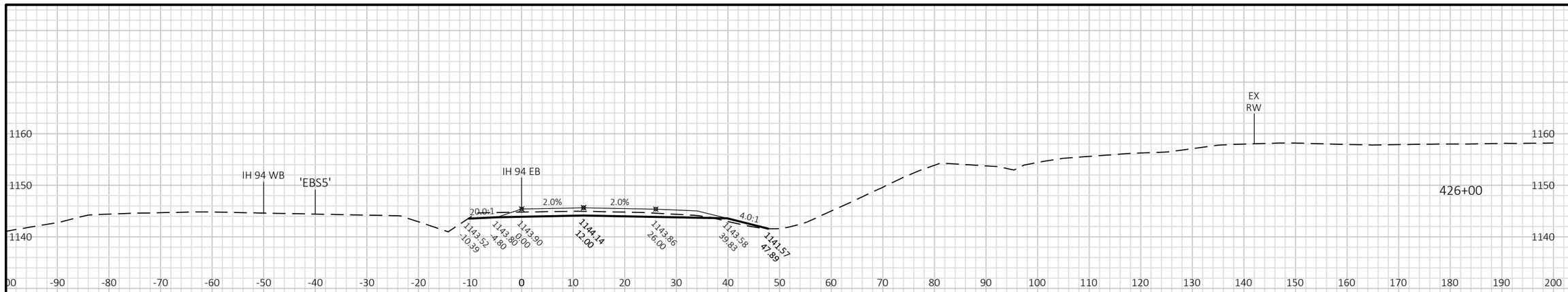
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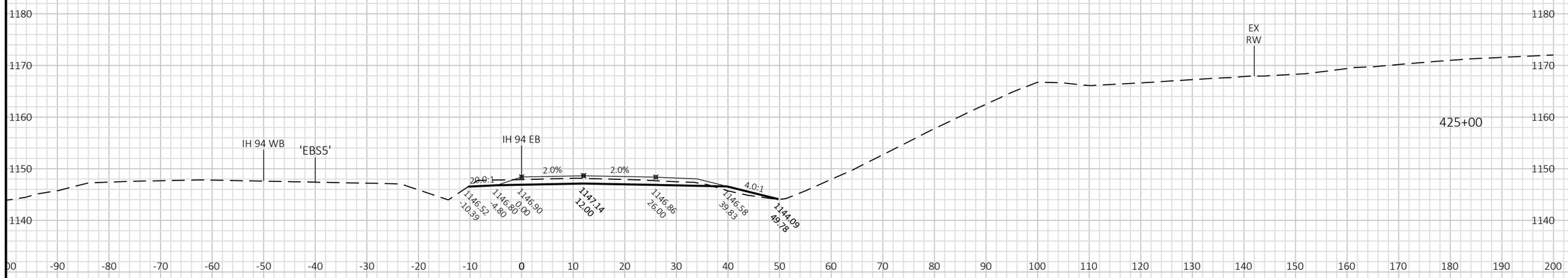
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1362	E

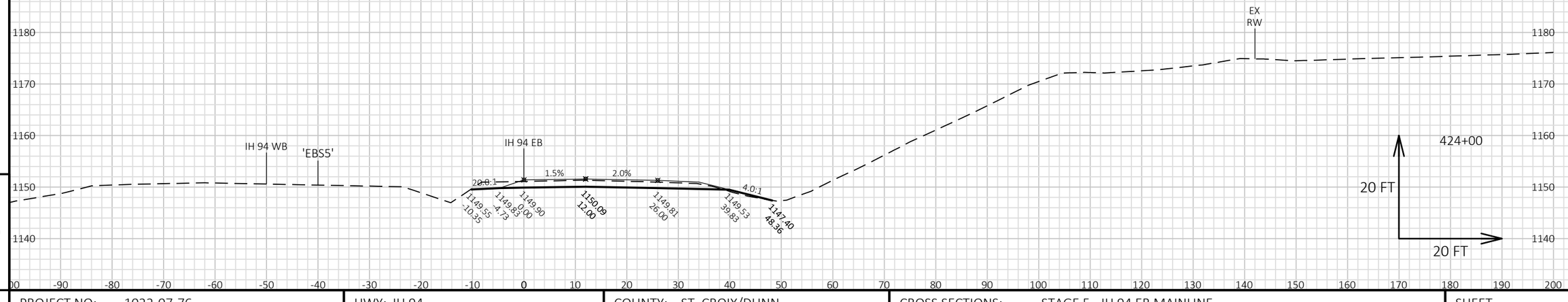
FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090155_XS EB

PLOT DATE : 8/15/2018 9:59 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







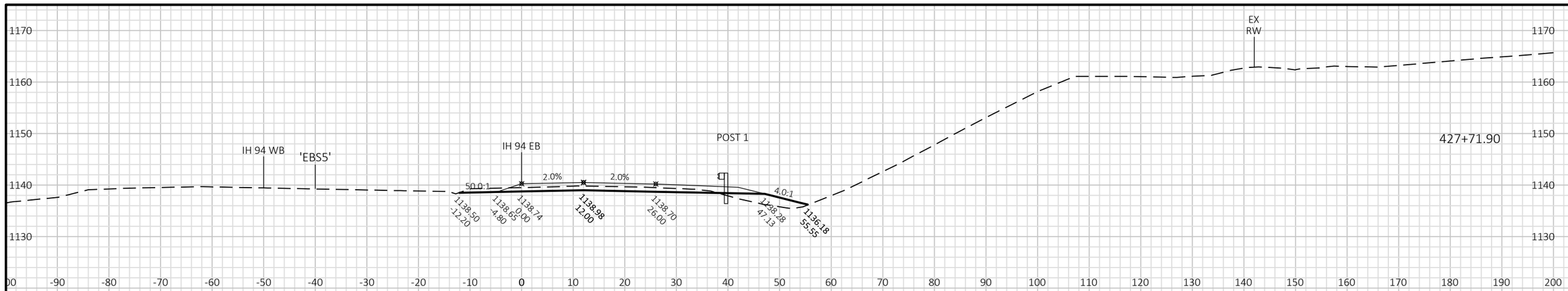
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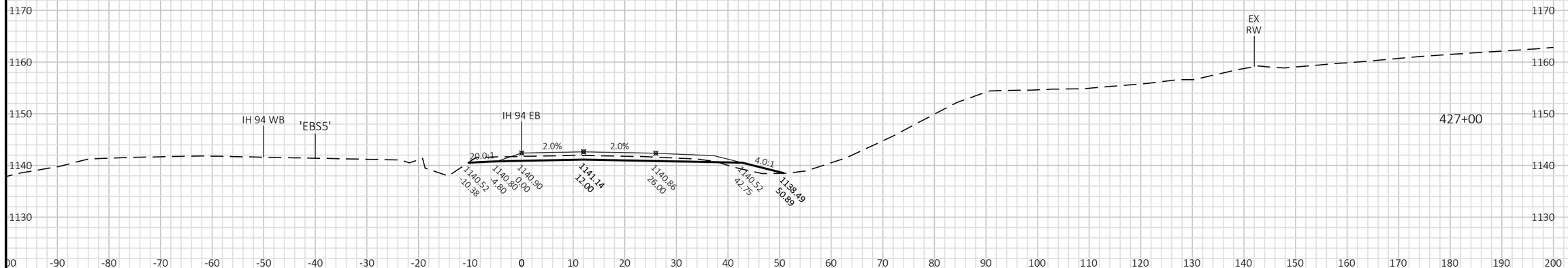
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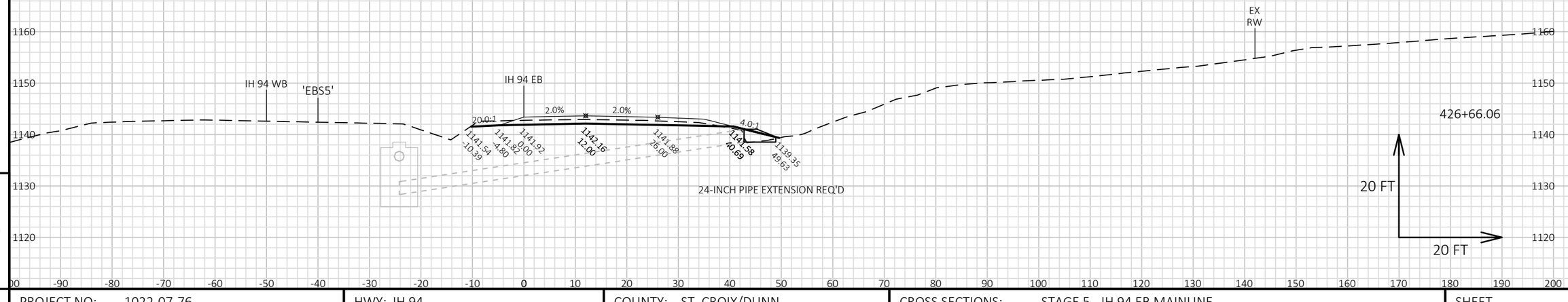
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1363	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090156_XS EB

PLOT DATE : 8/15/2018 9:59 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.







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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1364	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090157_XS EB

PLOT DATE : 8/15/2018 10:00 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

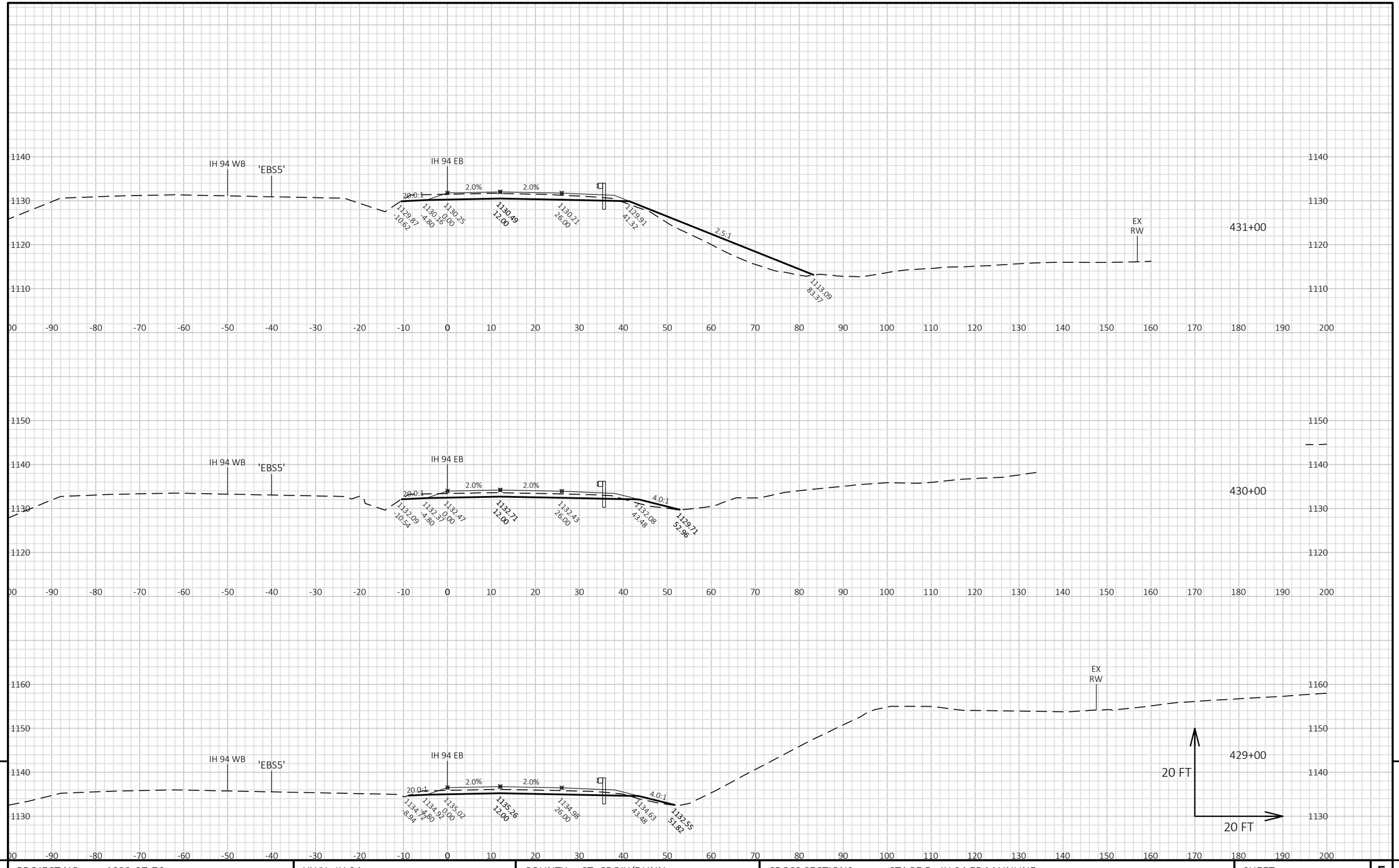
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1365	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090158_XS EB

PLOT DATE : 8/15/2018 10:00 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

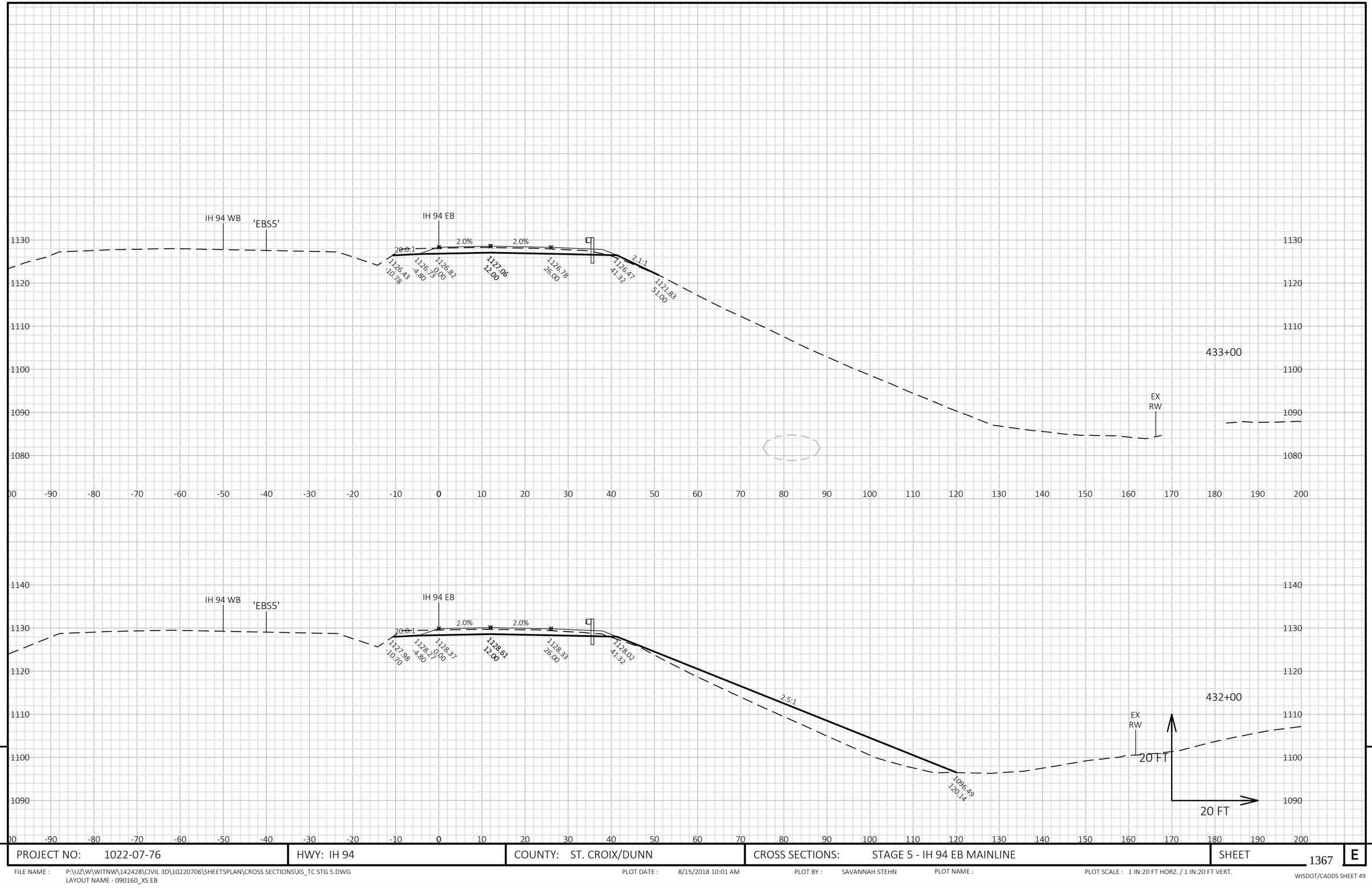


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1366 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090159_XS EB

PLOT DATE : 8/15/2018 10:01 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



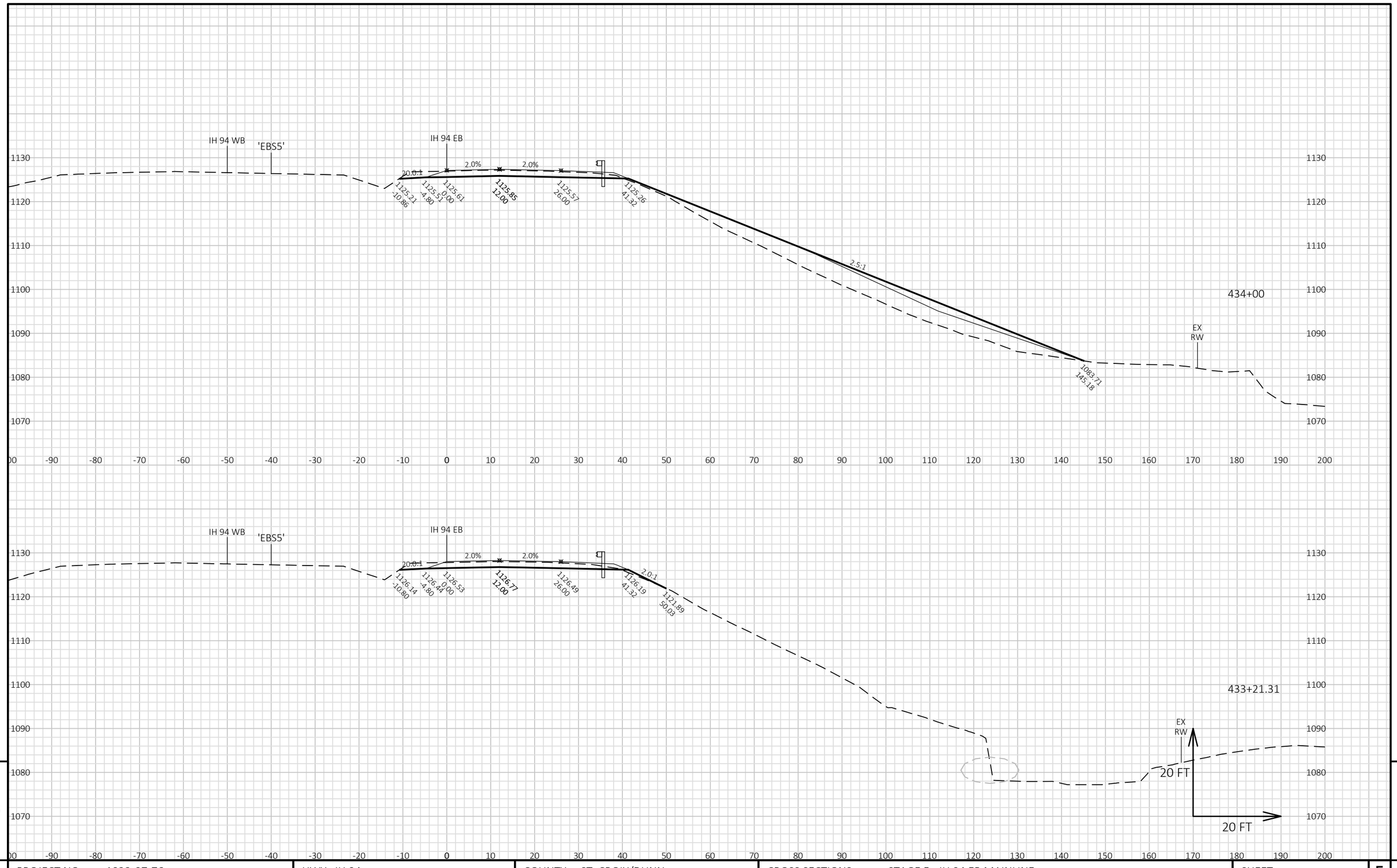
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1367	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090160_XS EB

PLOT DATE : 8/15/2018 10:01 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

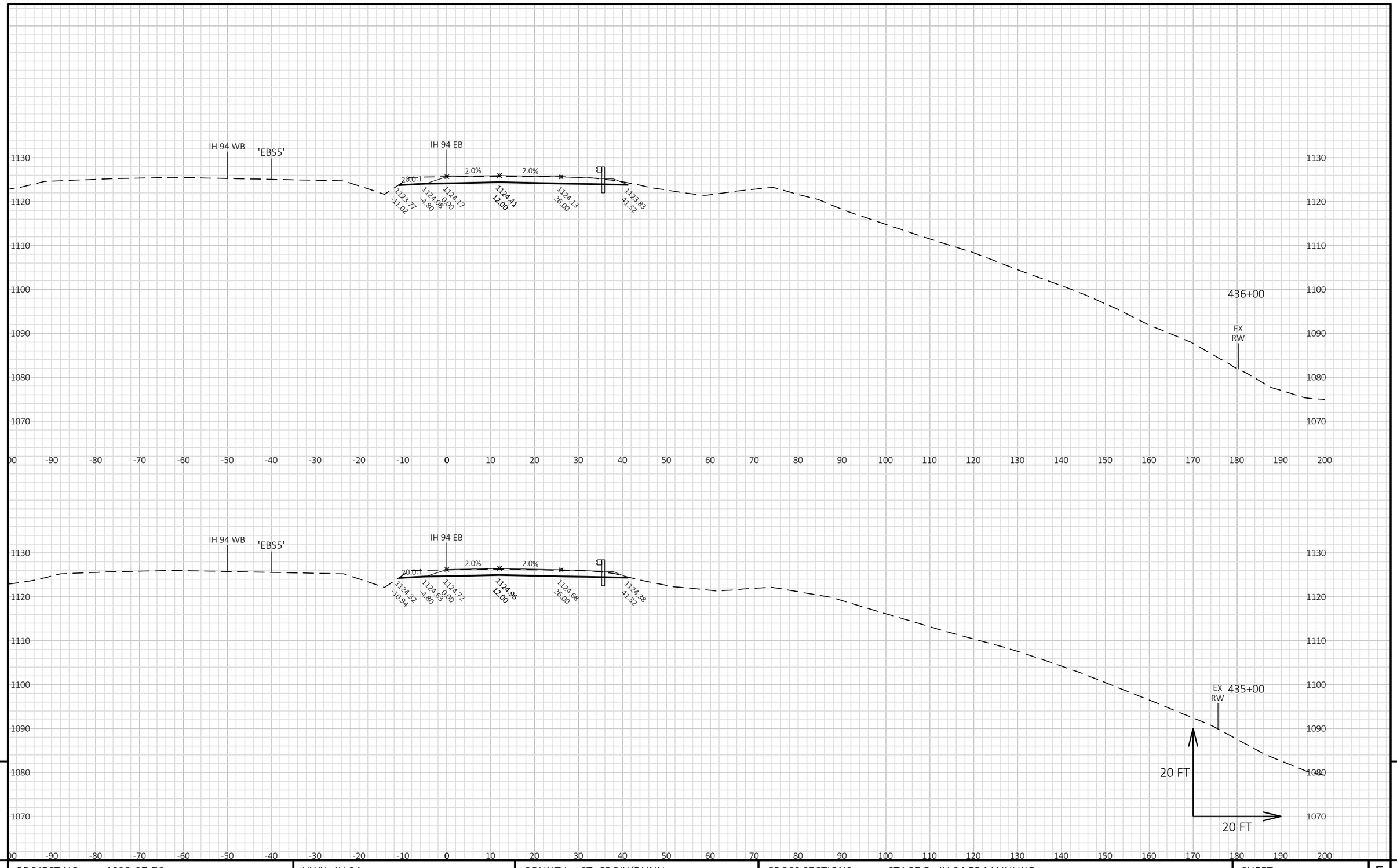


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1368	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090161_XS EB

PLOT DATE : 8/15/2018 10:02 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

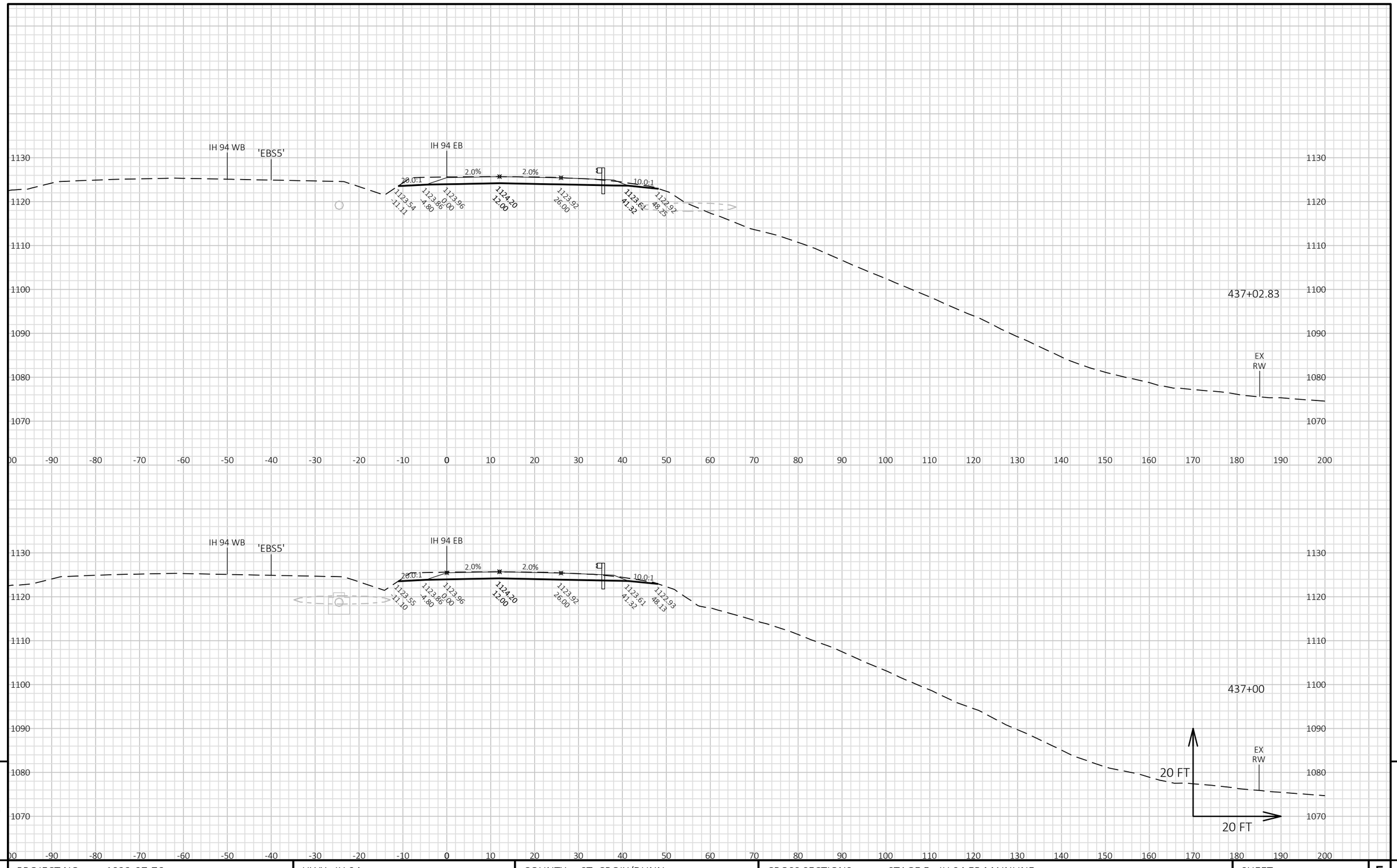


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1369	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090162_XS EB

PLOT DATE : 8/15/2018 10:02 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

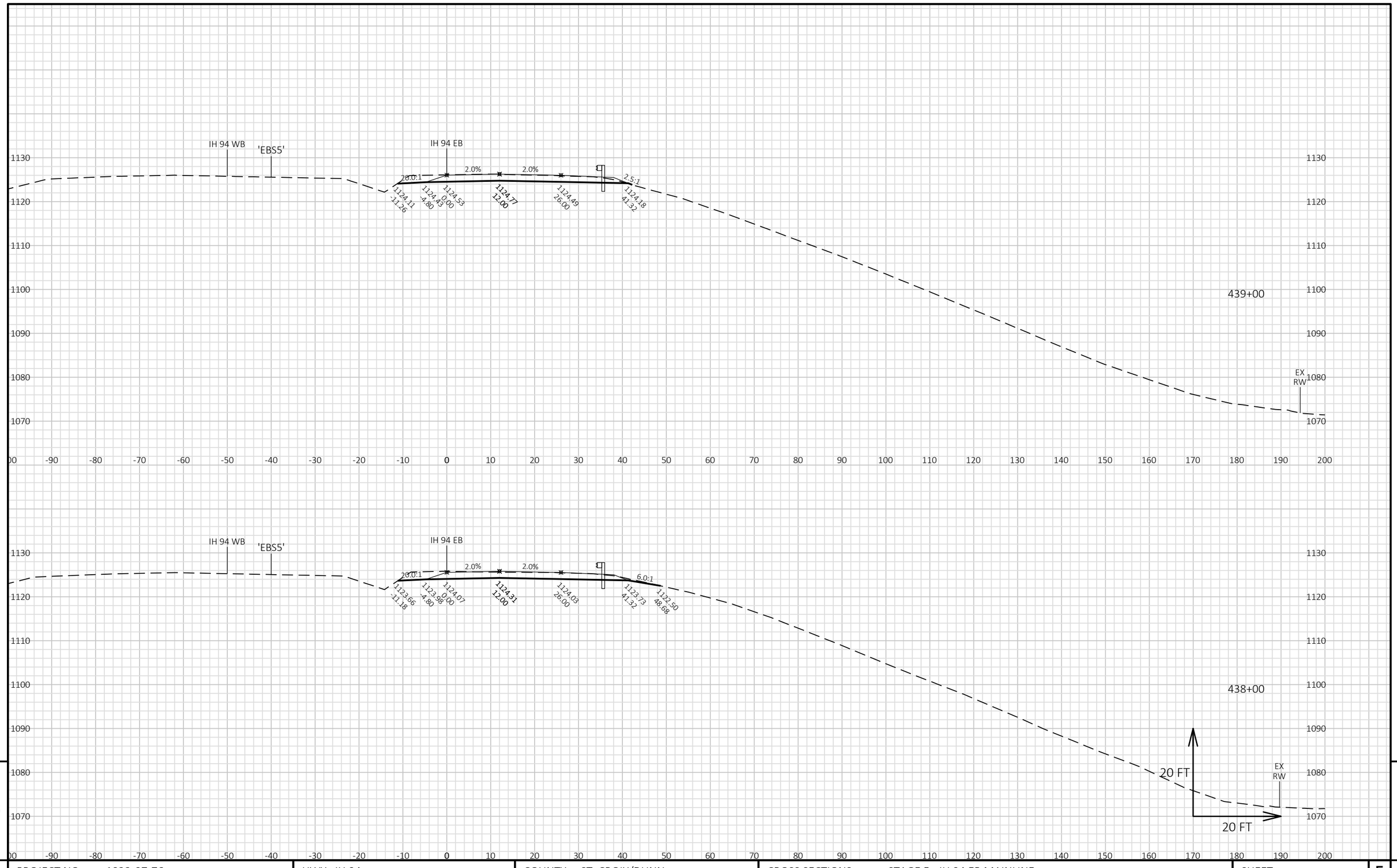


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1370	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090163_XS EB

PLOT DATE : 8/15/2018 10:03 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

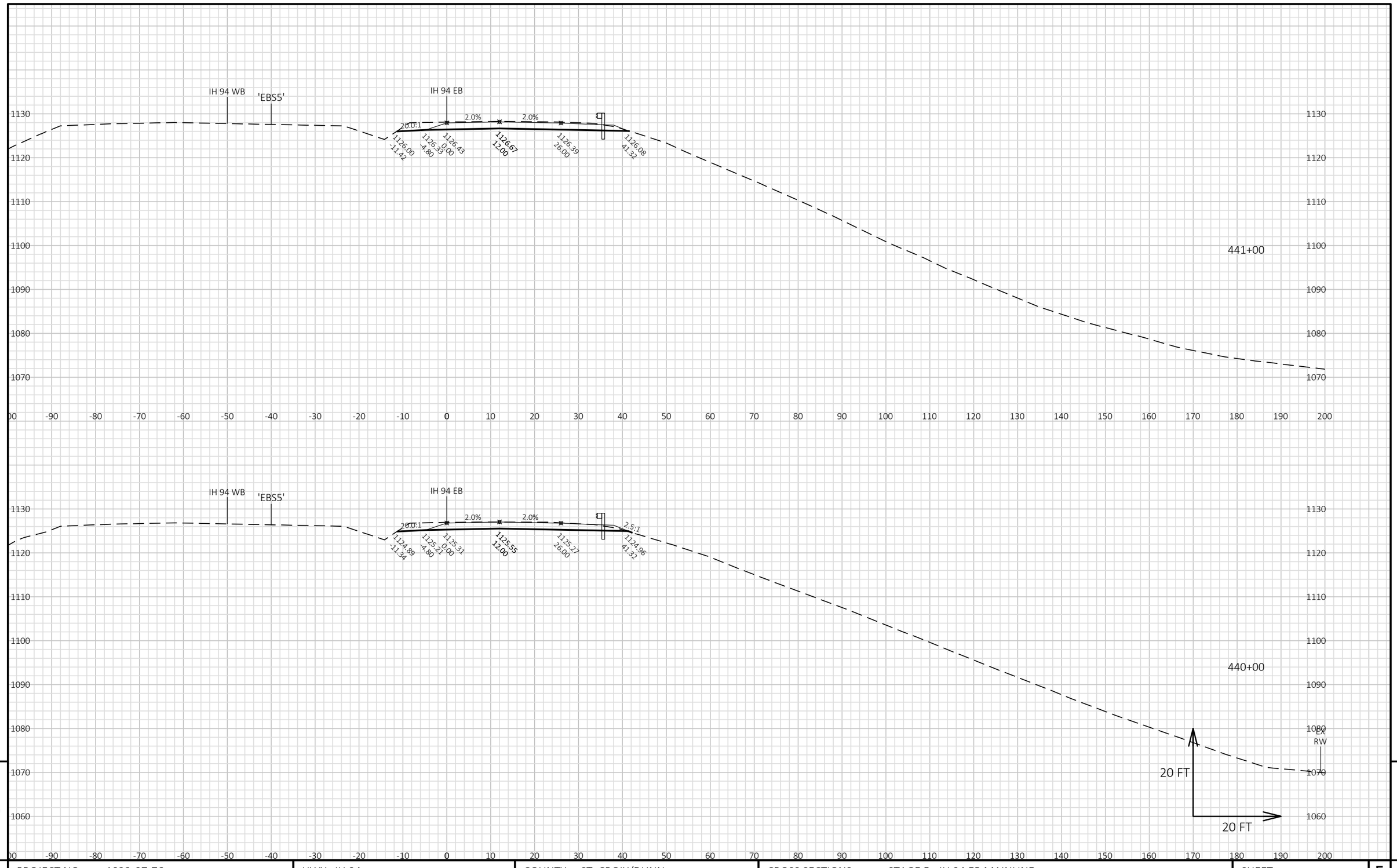


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1371	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090164_XS EB

PLOT DATE : 8/15/2018 10:03 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



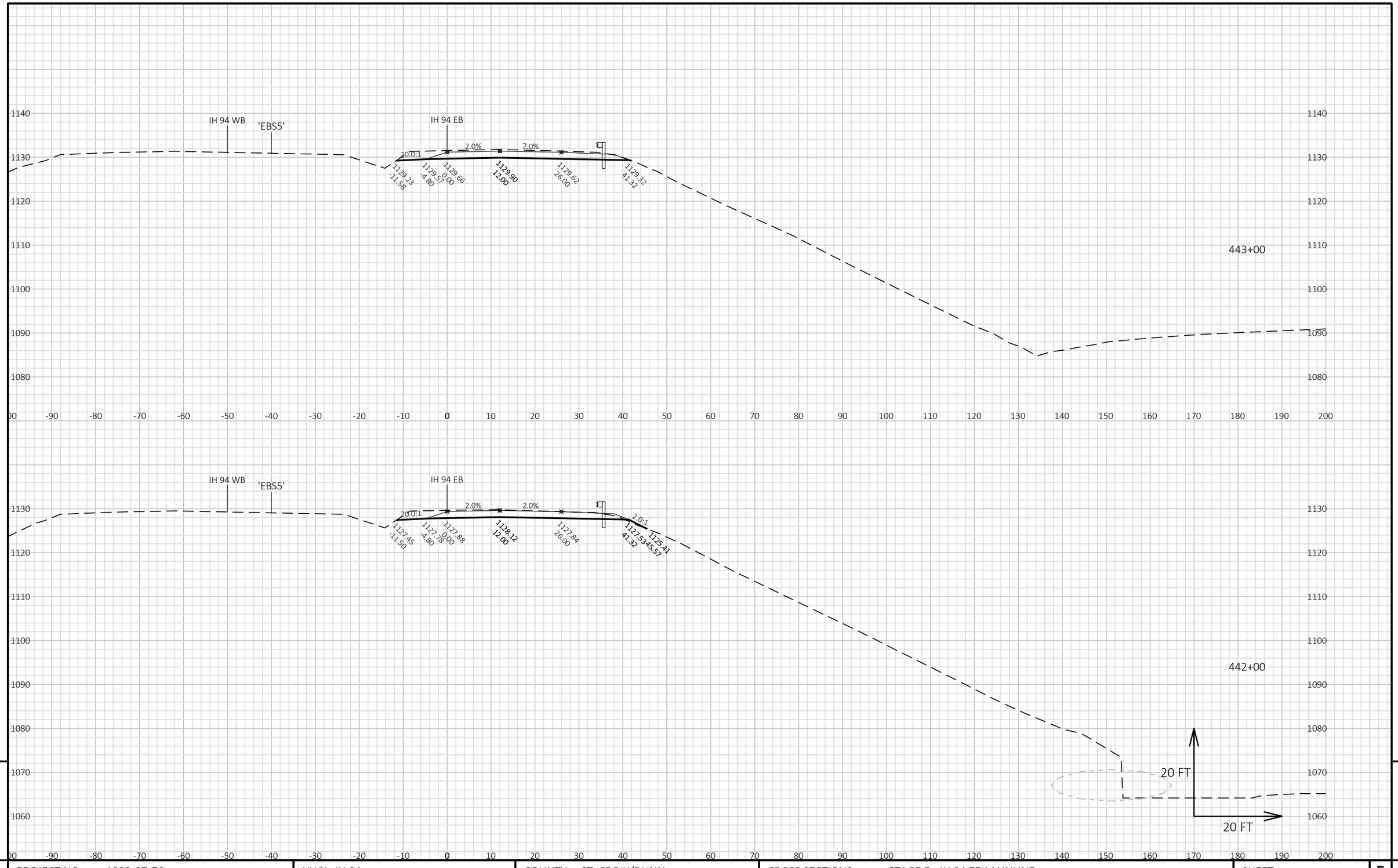
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1372	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090165_XS EB

PLOT DATE : 8/15/2018 10:04 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

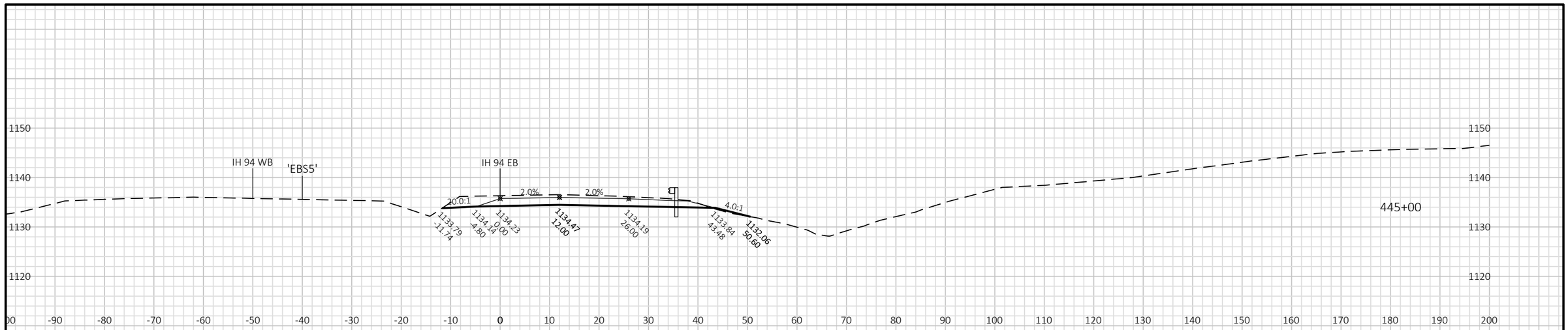


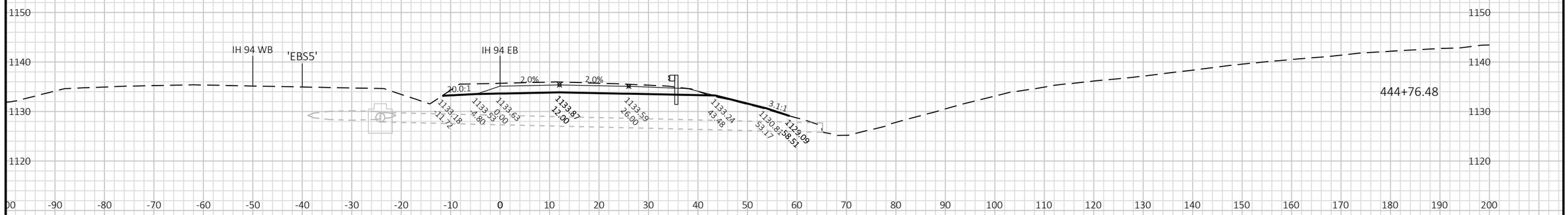
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1373	E

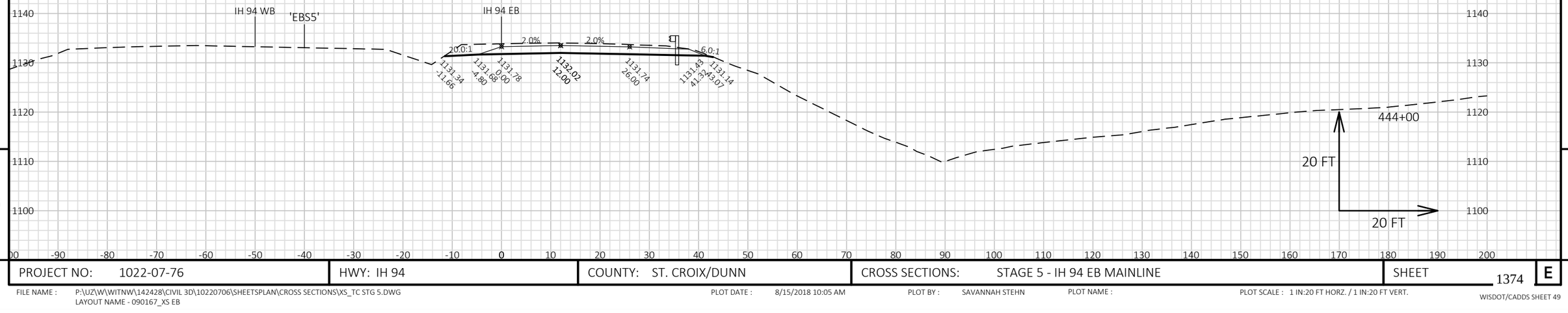
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LAYOUT NAME - 090166_XS EB

PLOT DATE : 8/15/2018 10:04 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







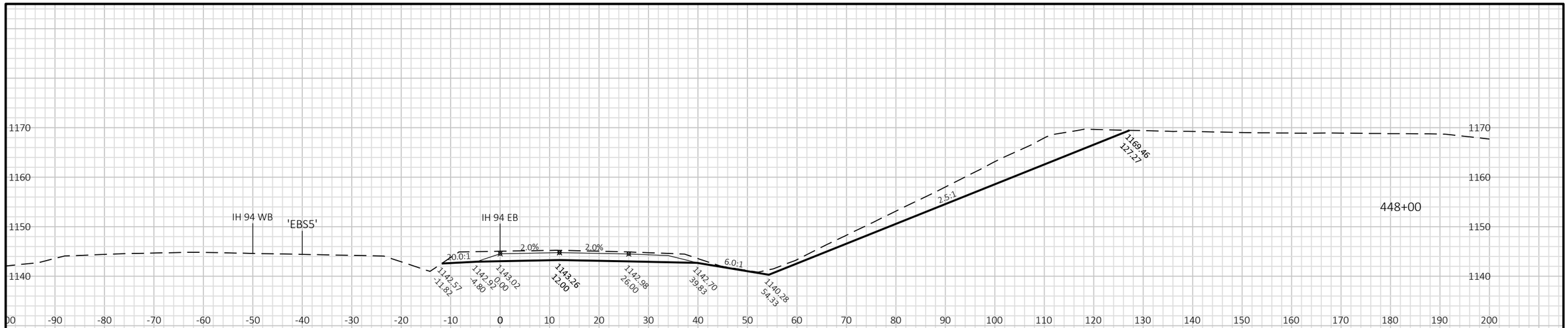
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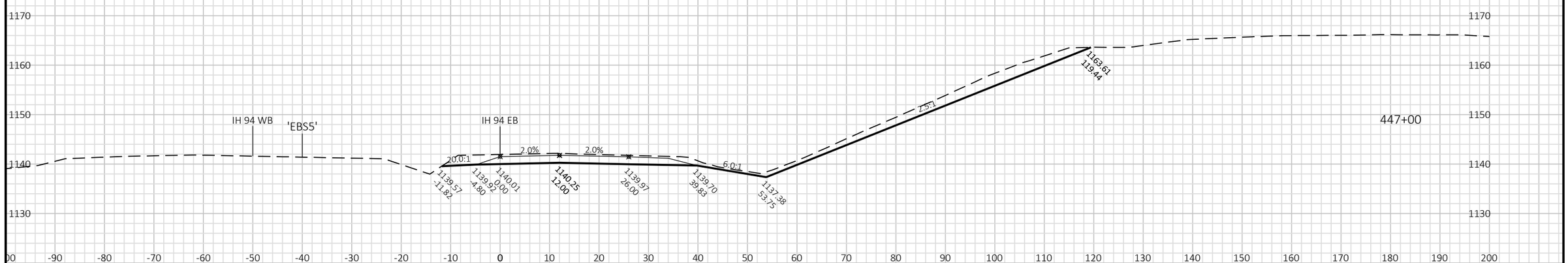
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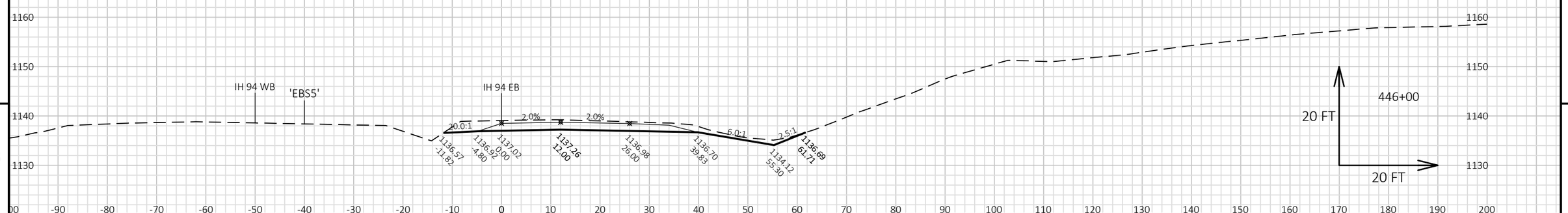
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1374	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090167_XS EB

PLOT DATE : 8/15/2018 10:05 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.







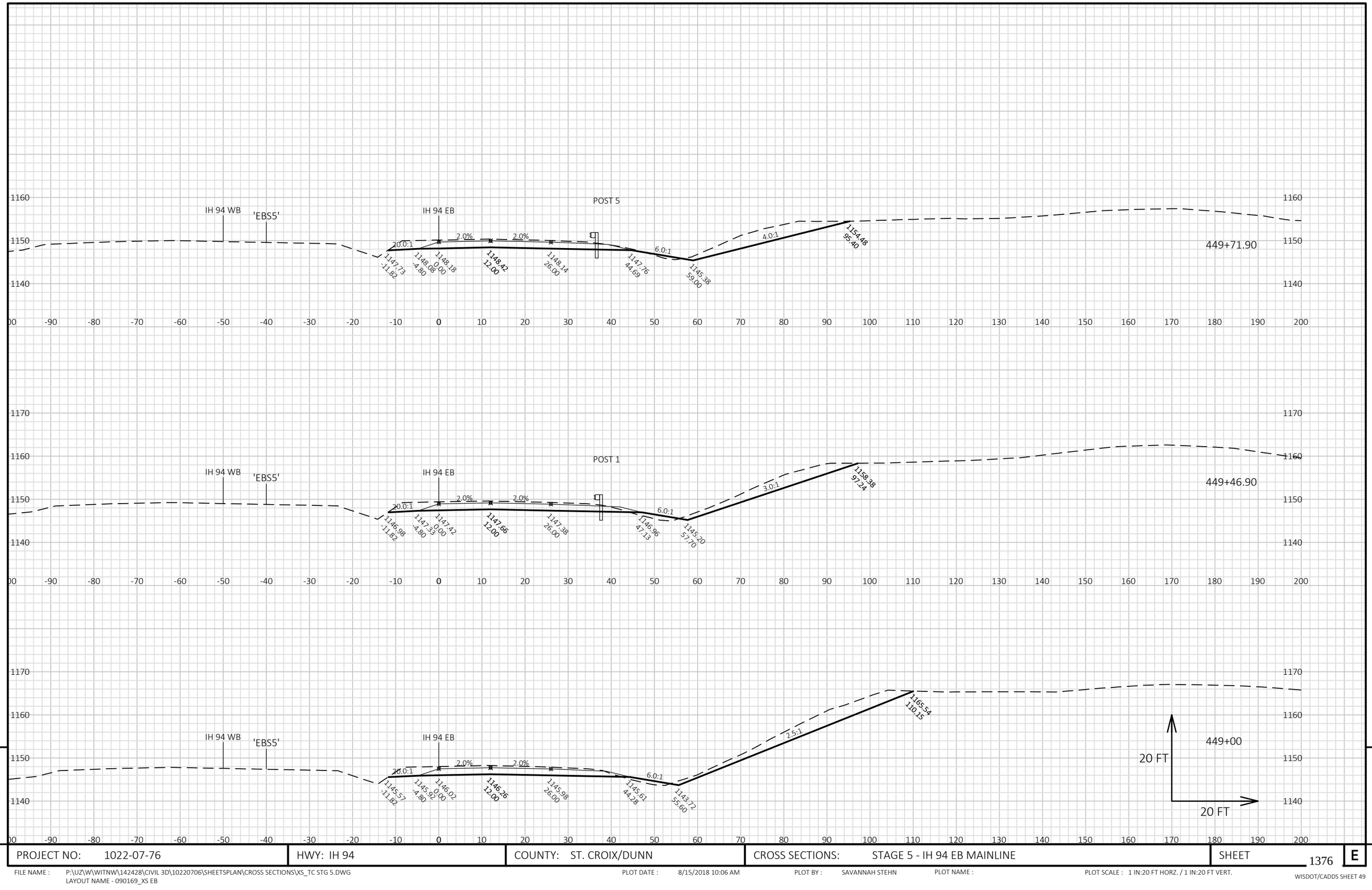
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1375	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090168_XS EB

PLOT DATE : 8/15/2018 10:05 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



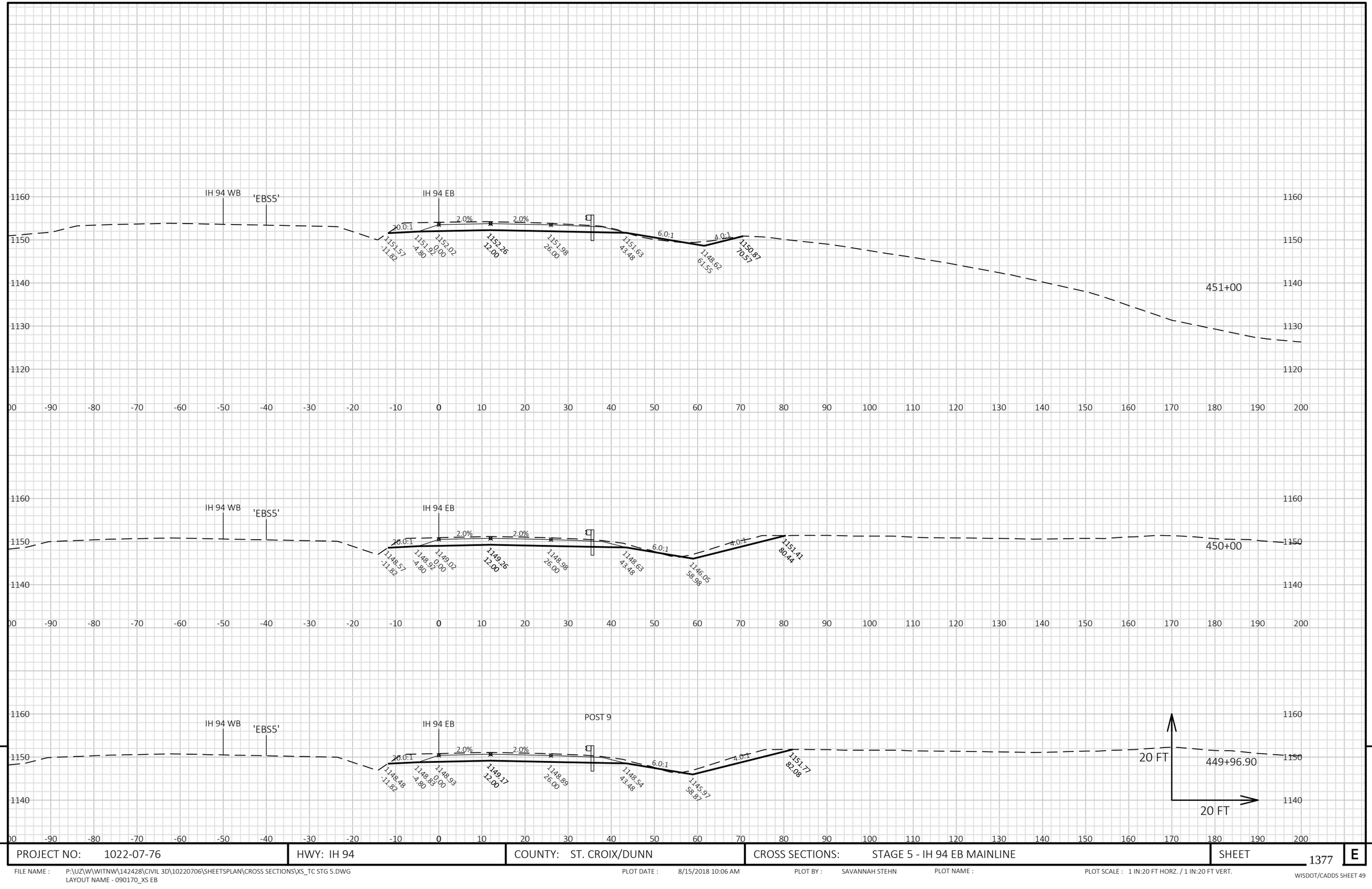
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1376	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090169_XS EB

PLOT DATE : 8/15/2018 10:06 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



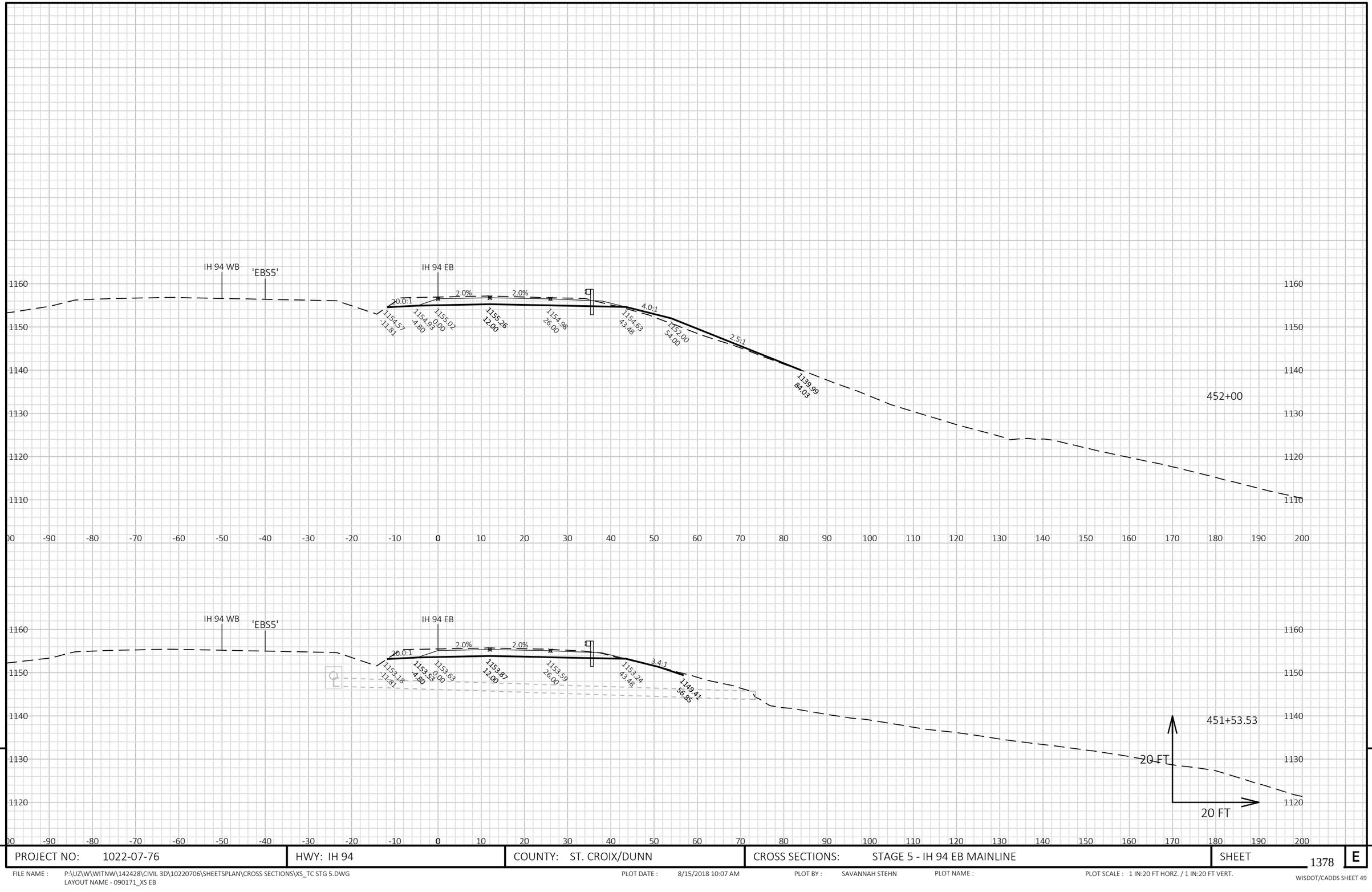
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1377	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090170_XS EB

PLOT DATE : 8/15/2018 10:06 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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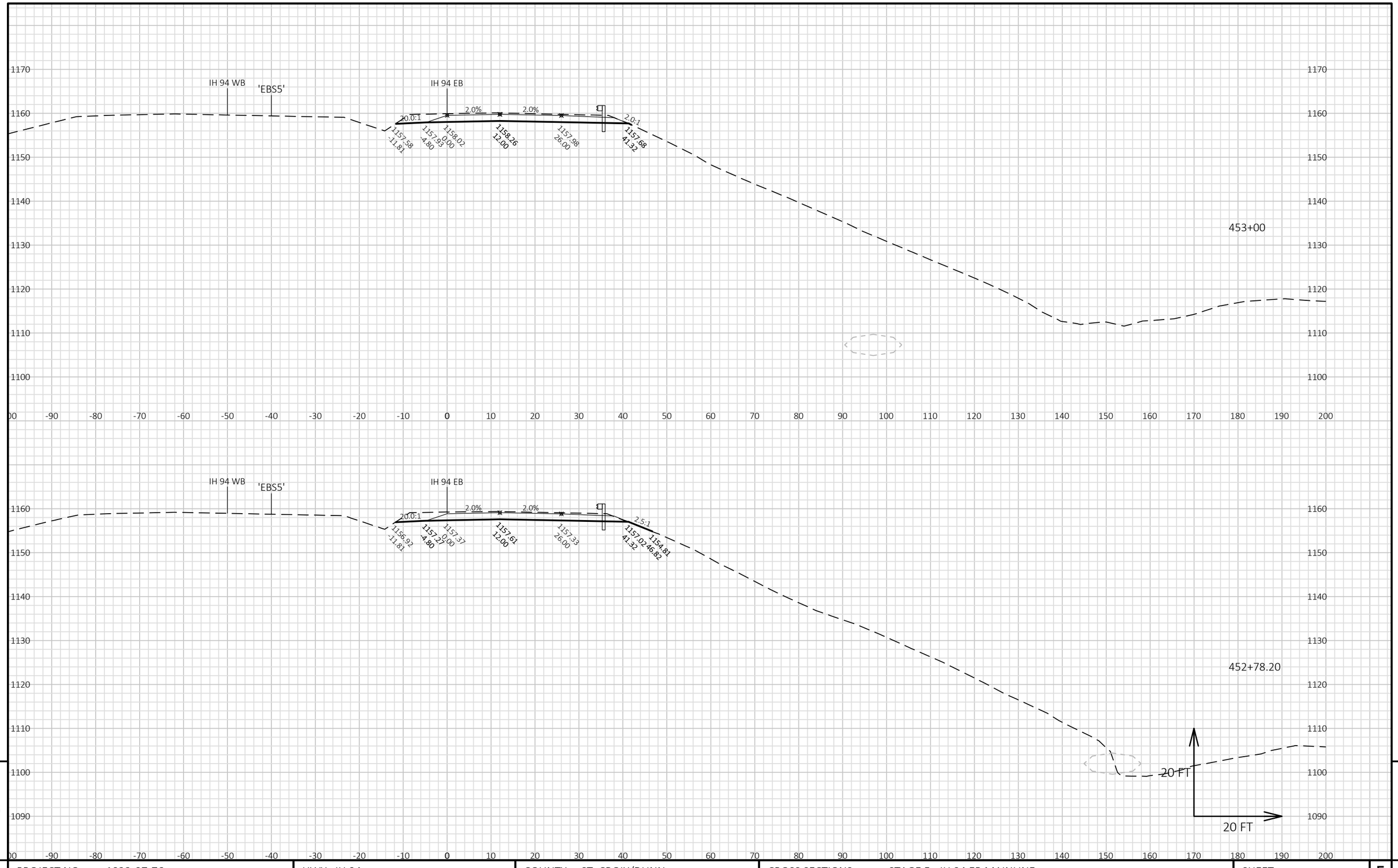
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1378	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090171_XS EB

PLOT DATE : 8/15/2018 10:07 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



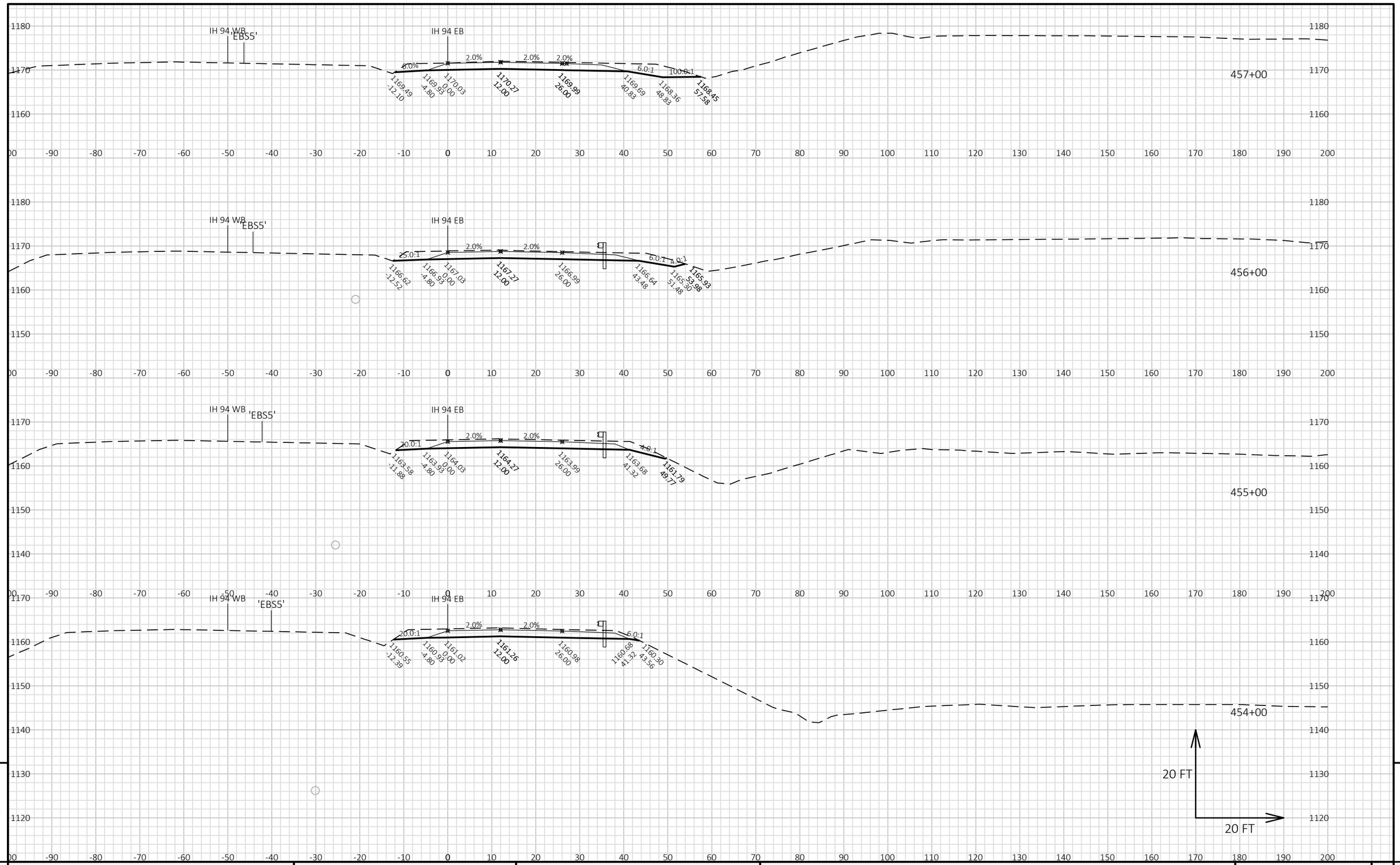
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1379	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090172_XS EB

PLOT DATE : 8/15/2018 10:07 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

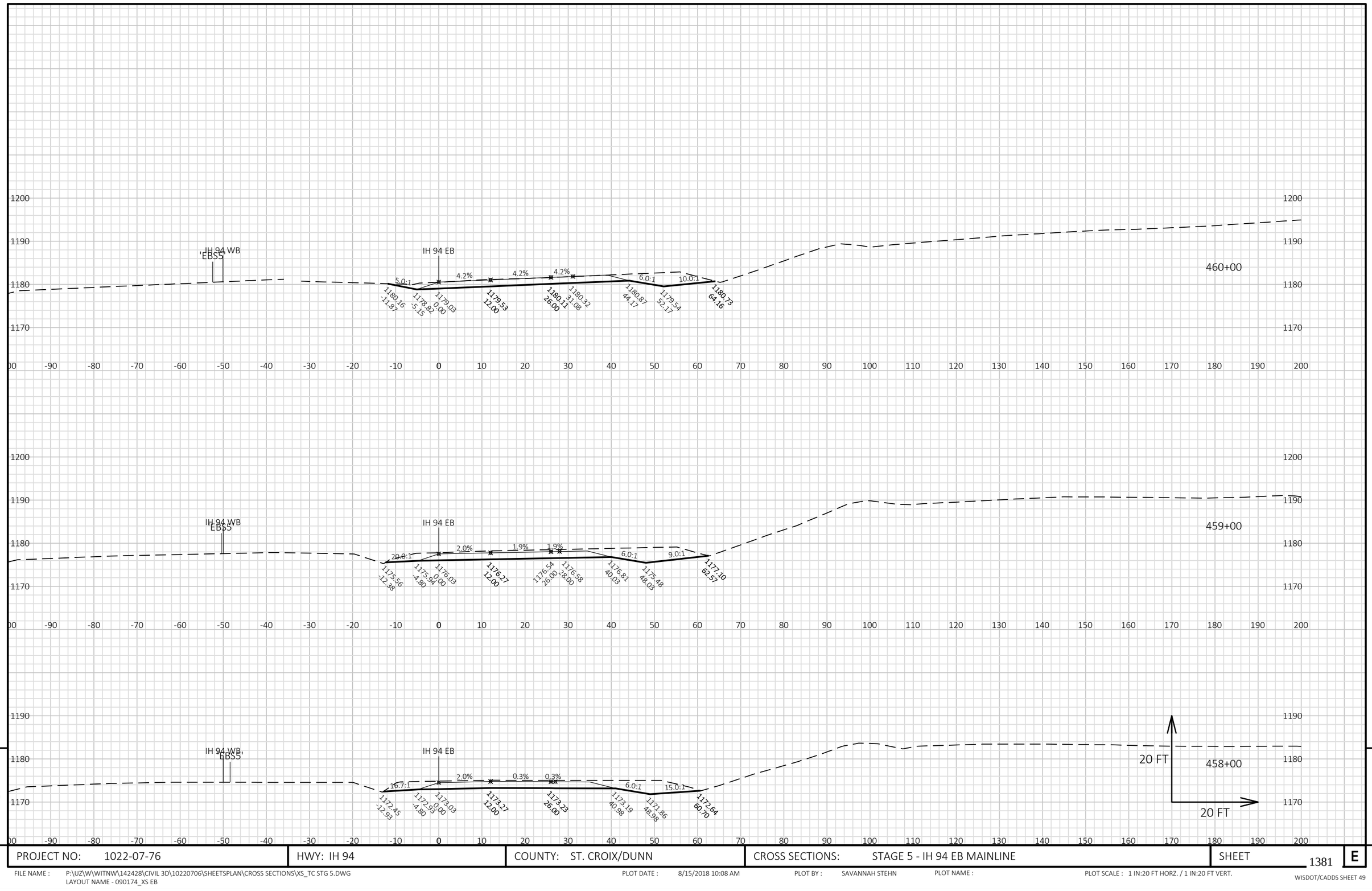


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1380	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090173_XS EB

PLOT DATE : 8/15/2018 10:08 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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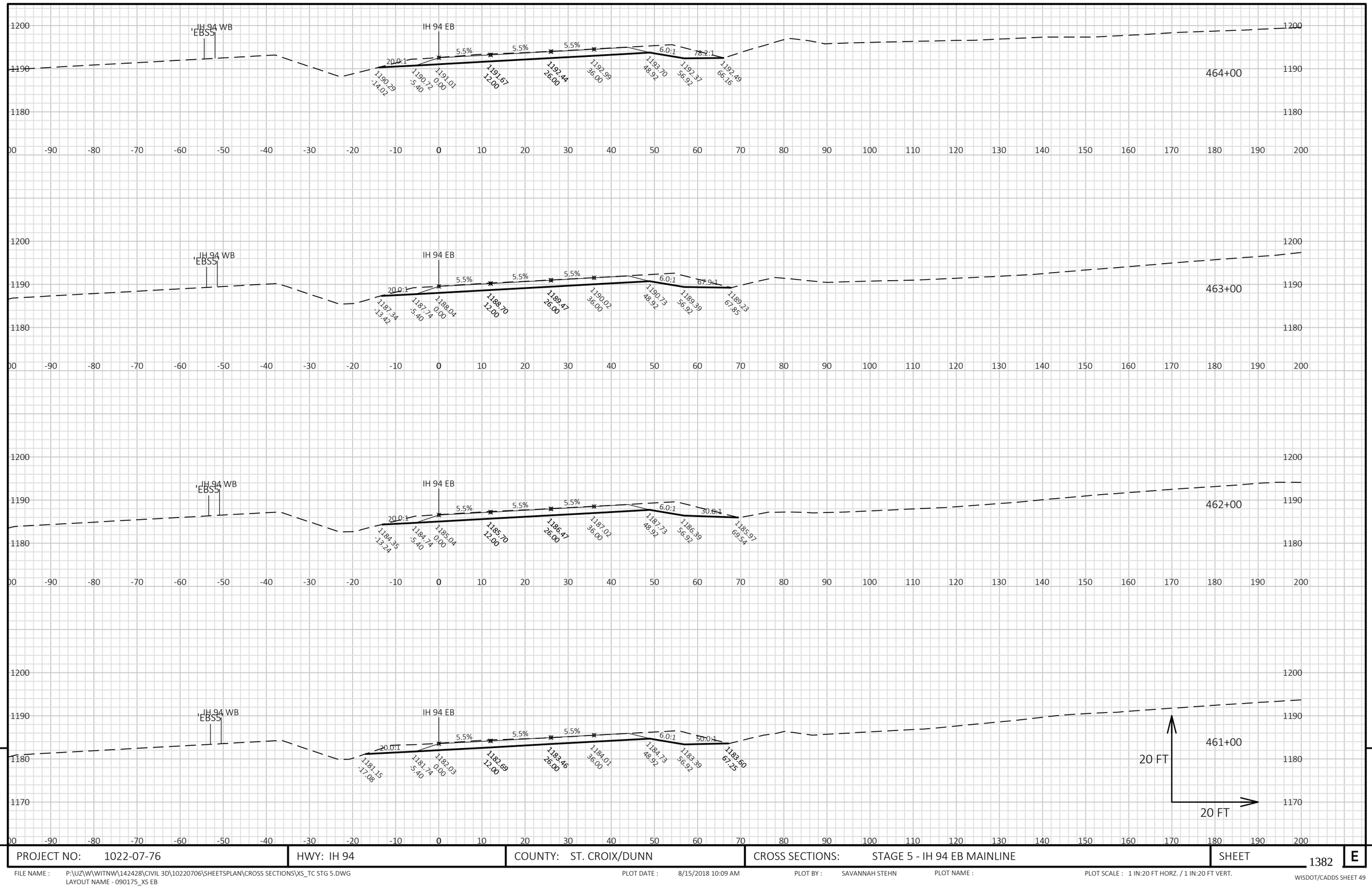
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1381	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090174_XS EB

PLOT DATE : 8/15/2018 10:08 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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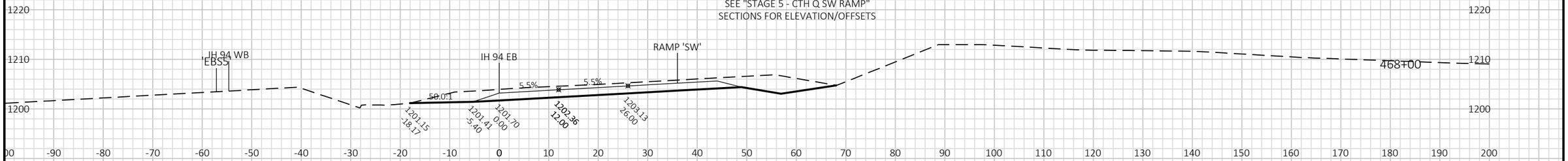
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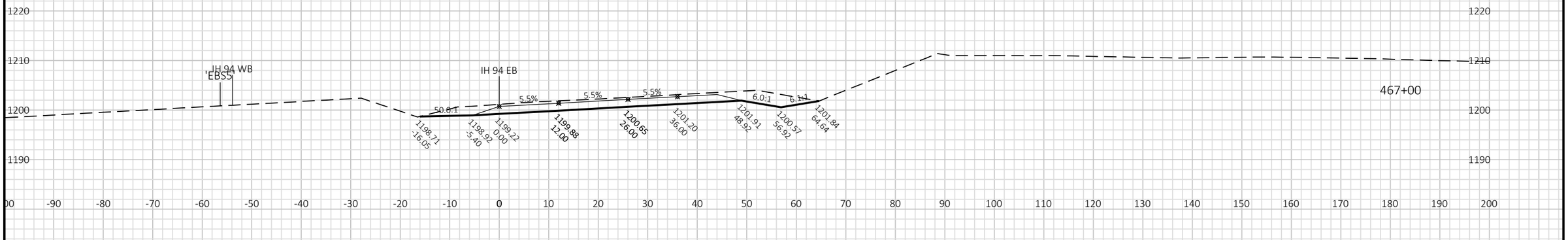
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LAYOUT NAME - 090175_XS EB

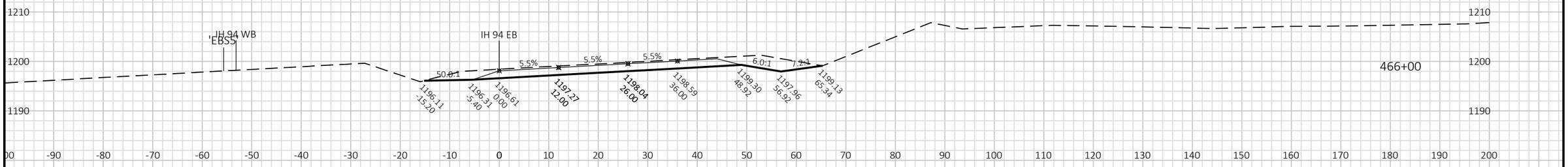
PLOT DATE : 8/15/2018 10:09 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

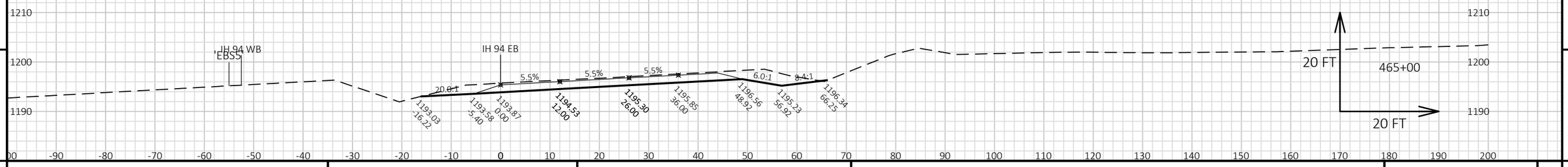
WISDOT/CADDS SHEET 49

SEE "STAGE 5 - CTH Q SW RAMP"
SECTIONS FOR ELEVATION/OFFSETS





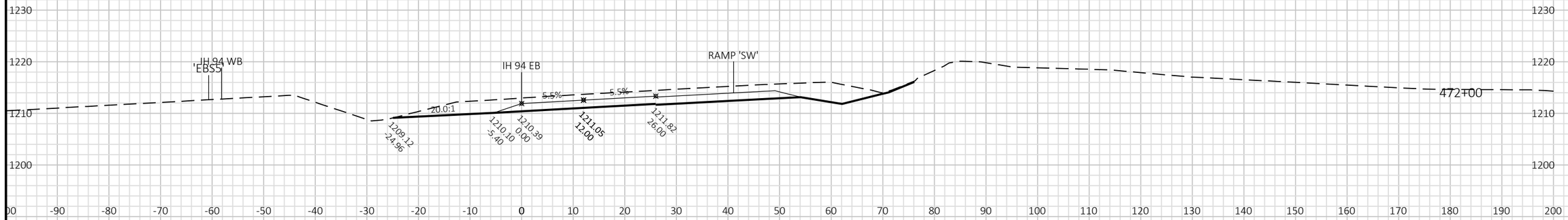




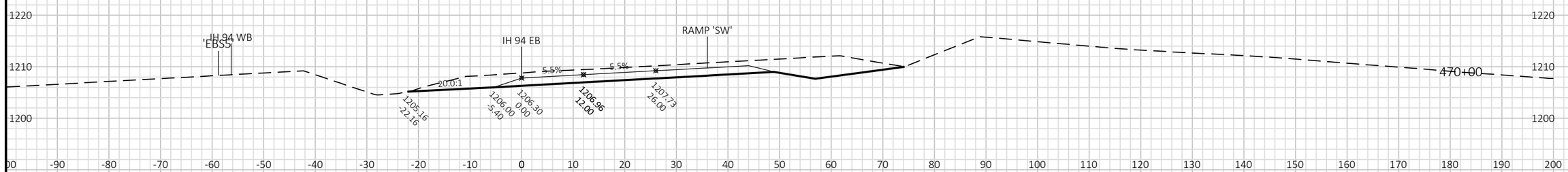
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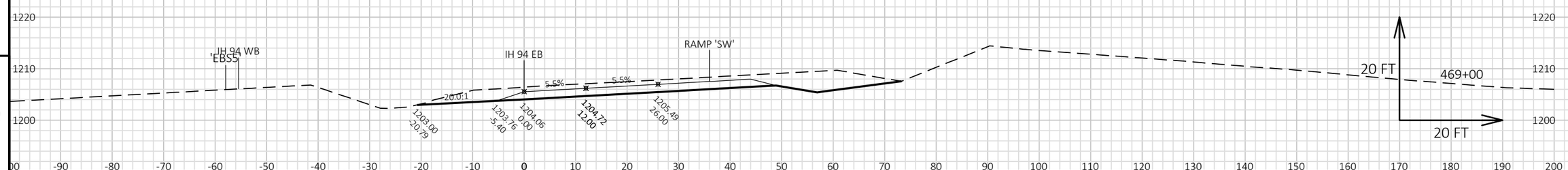
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1383	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090176_XS EB
PLOT DATE : 8/15/2018 10:09 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



SEE "STAGE 5 - CTH Q SW RAMP"
SECTIONS FOR ELEVATION/OFFSETS





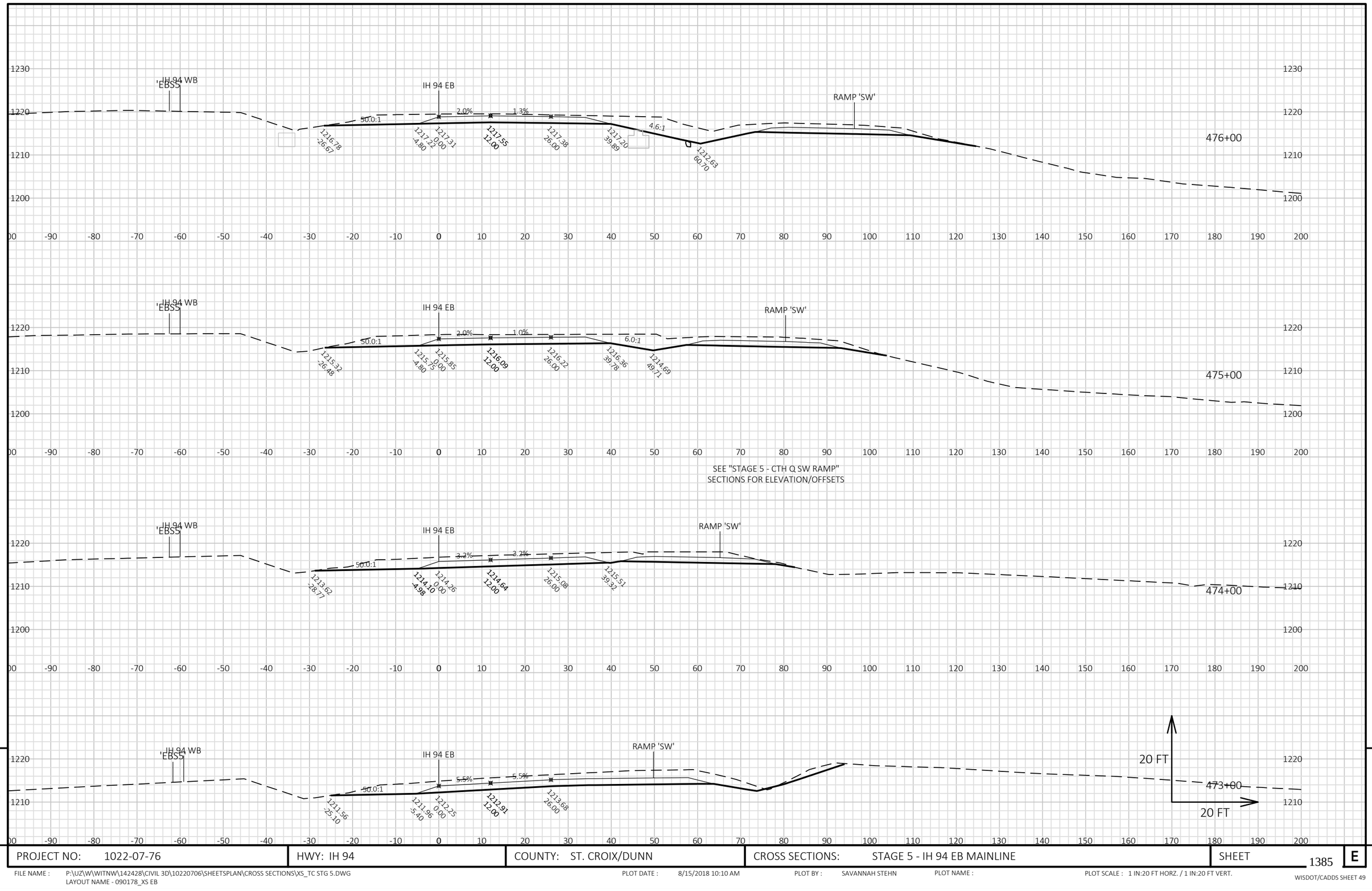
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1384 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090177_XS EB

PLOT DATE : 8/15/2018 10:10 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

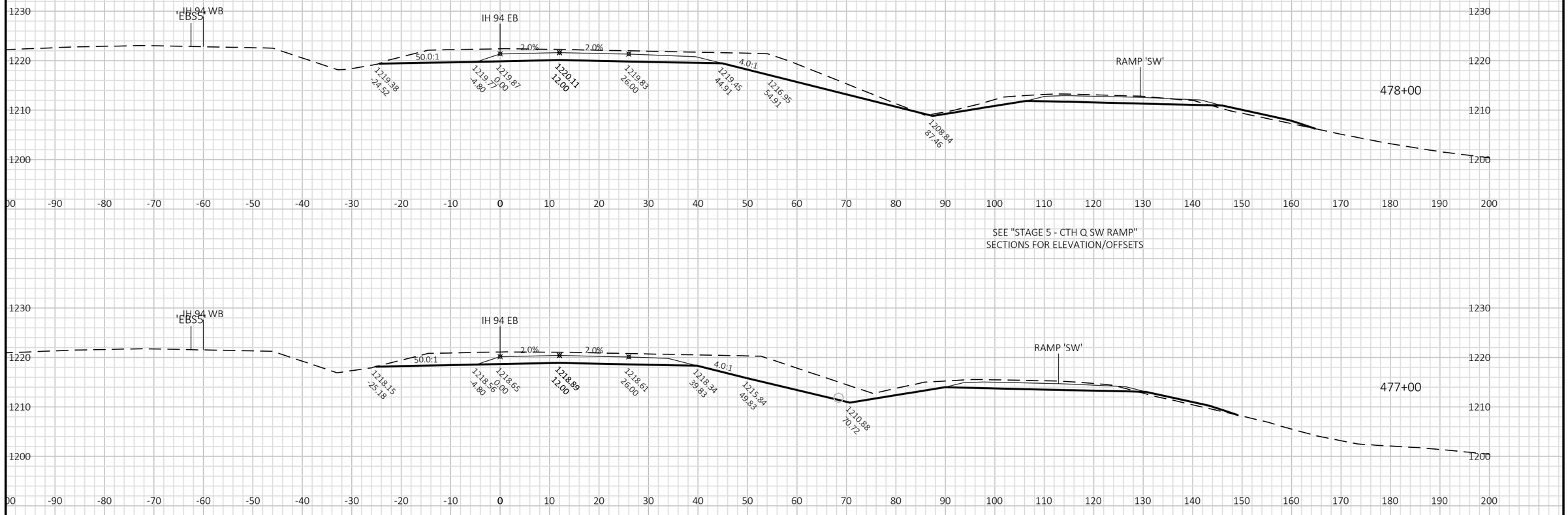


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1385 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090178_XS EB

PLOT DATE : 8/15/2018 10:10 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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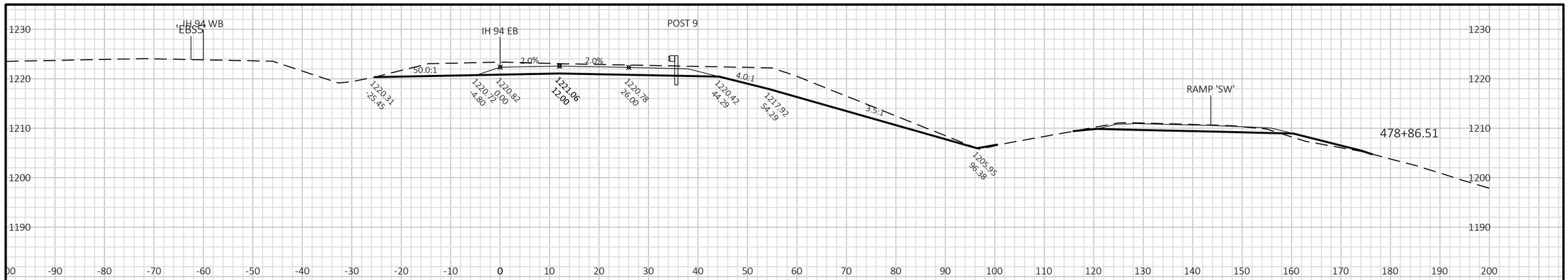
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1386 E

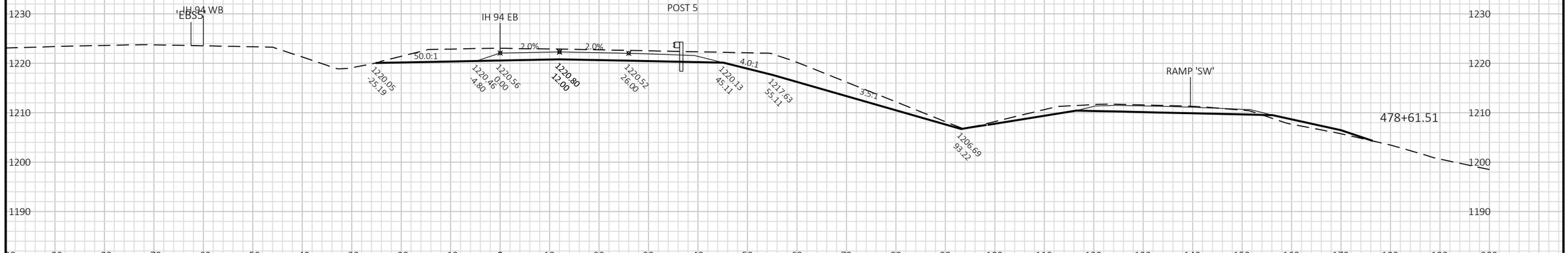
FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090179_XS EB

PLOT DATE : 8/15/2018 10:11 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



SEE "STAGE 5 - CTH Q SW RAMP"
SECTIONS FOR ELEVATION/OFFSETS





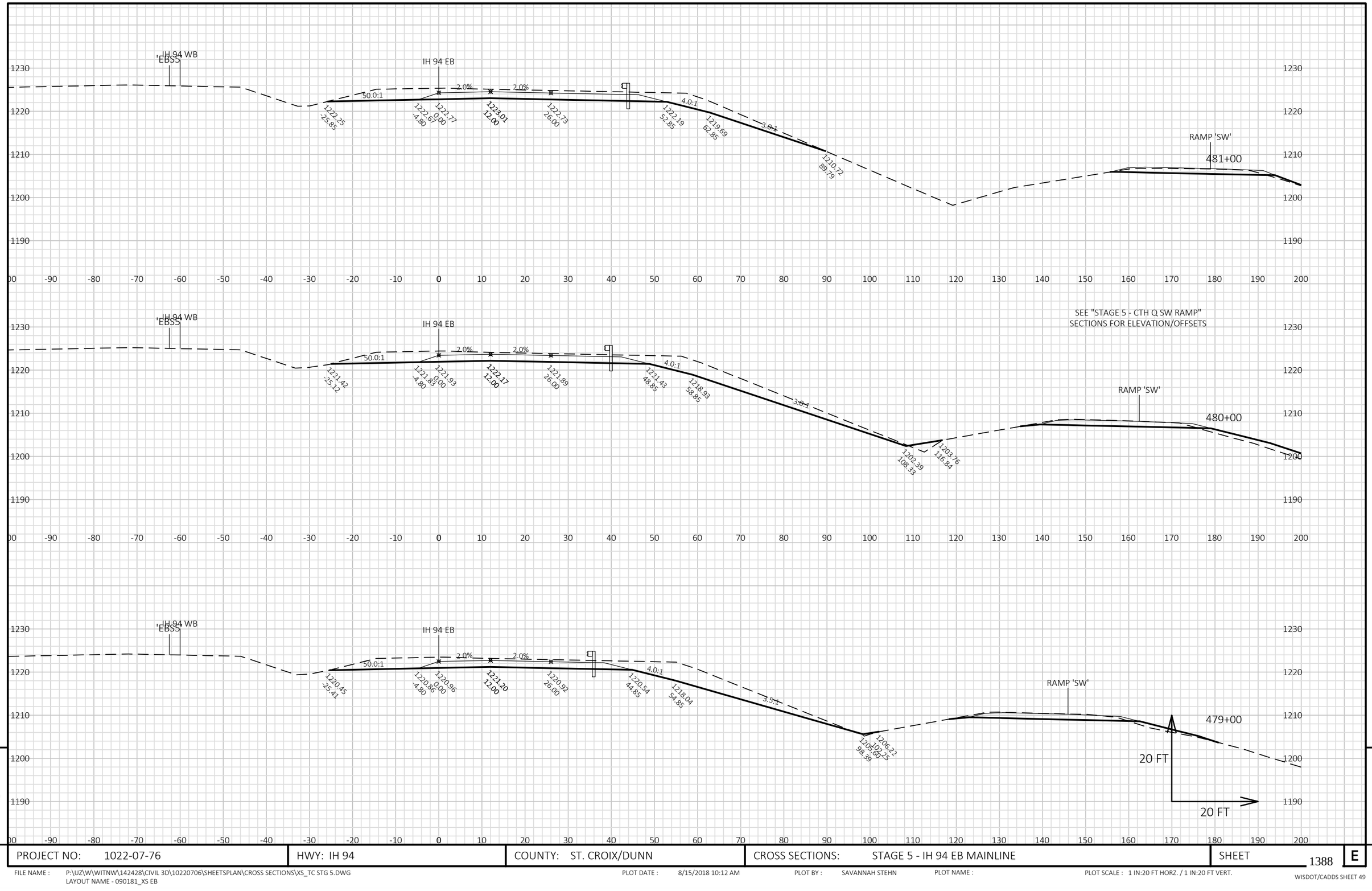
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1387	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090180_XS EB

PLOT DATE : 8/15/2018 10:11 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



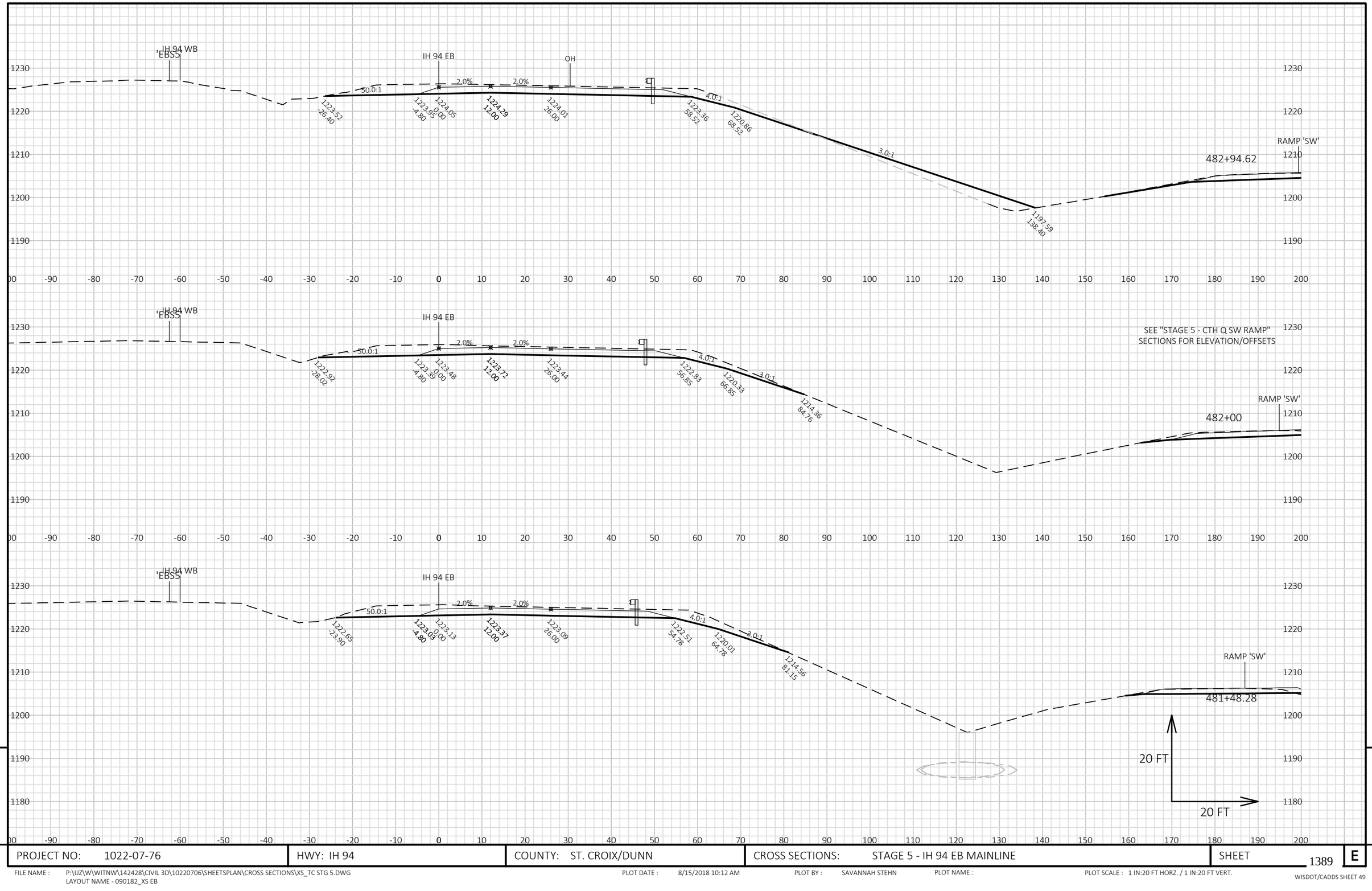
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1388 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090181_XS EB

PLOT DATE : 8/15/2018 10:12 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1389 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090182_XS EB

PLOT DATE : 8/15/2018 10:12 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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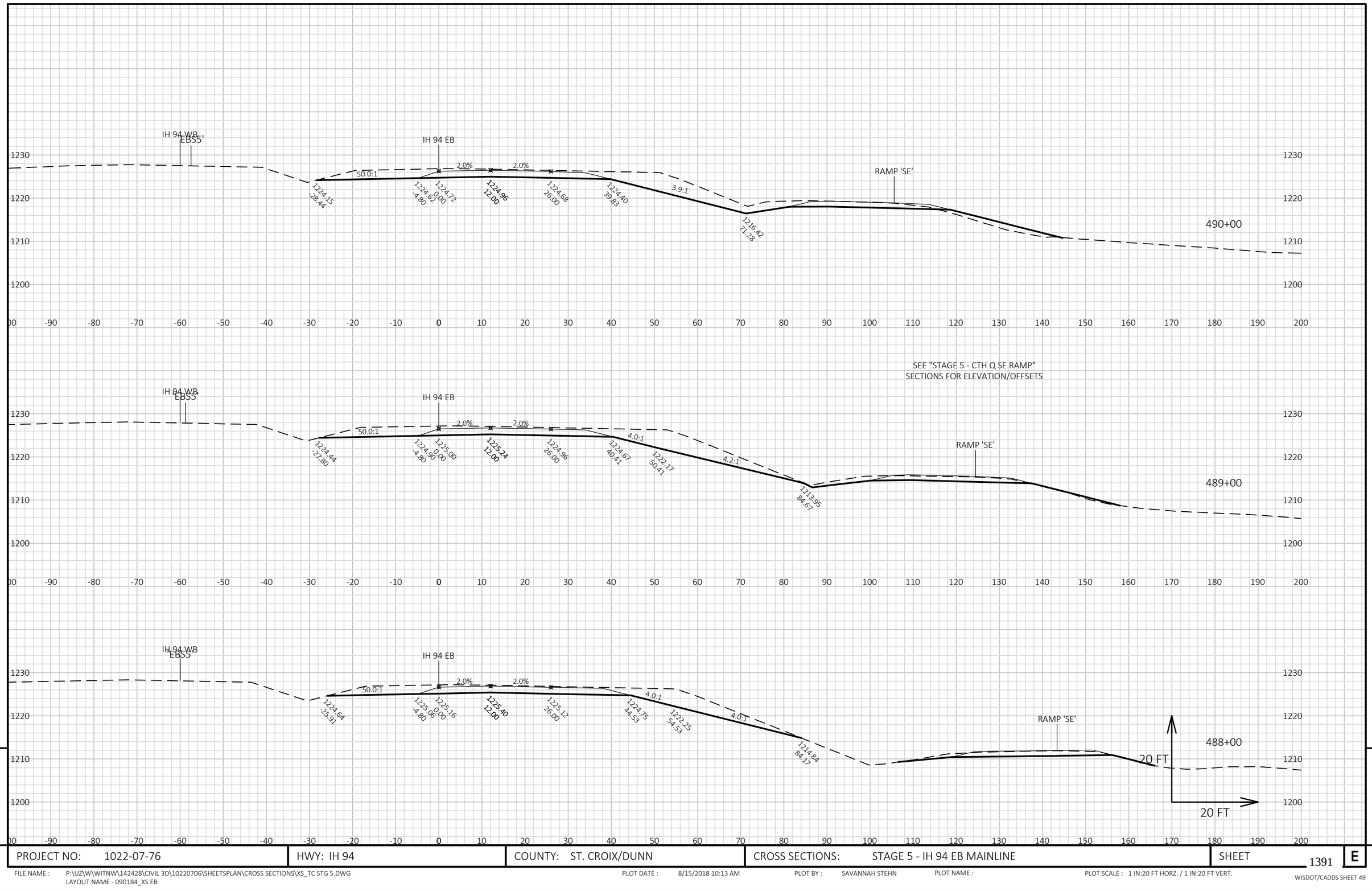
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1390	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090183_XS EB

PLOT DATE : 8/15/2018 10:13 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



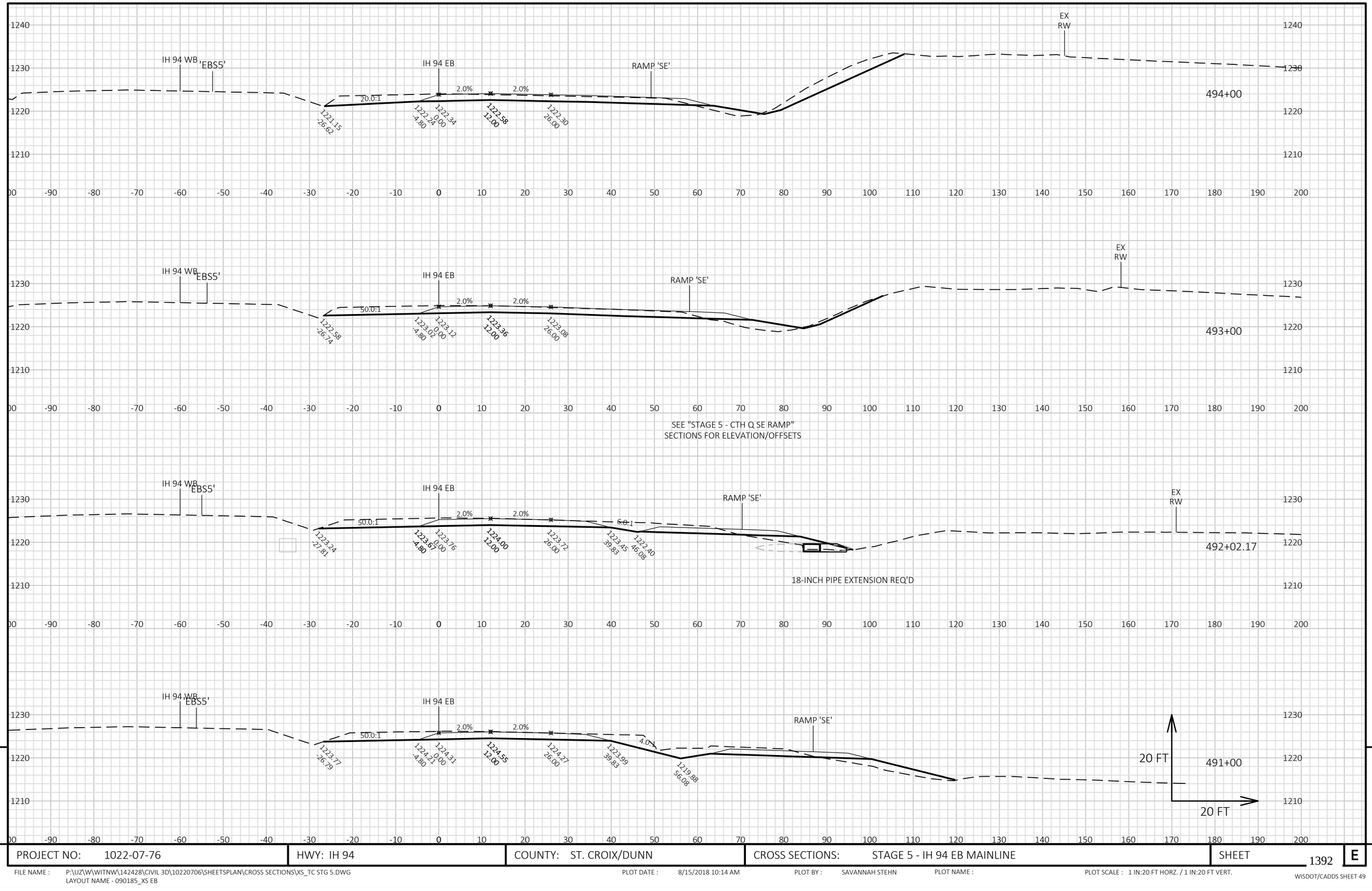
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1391 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090184_XS EB

PLOT DATE : 8/15/2018 10:13 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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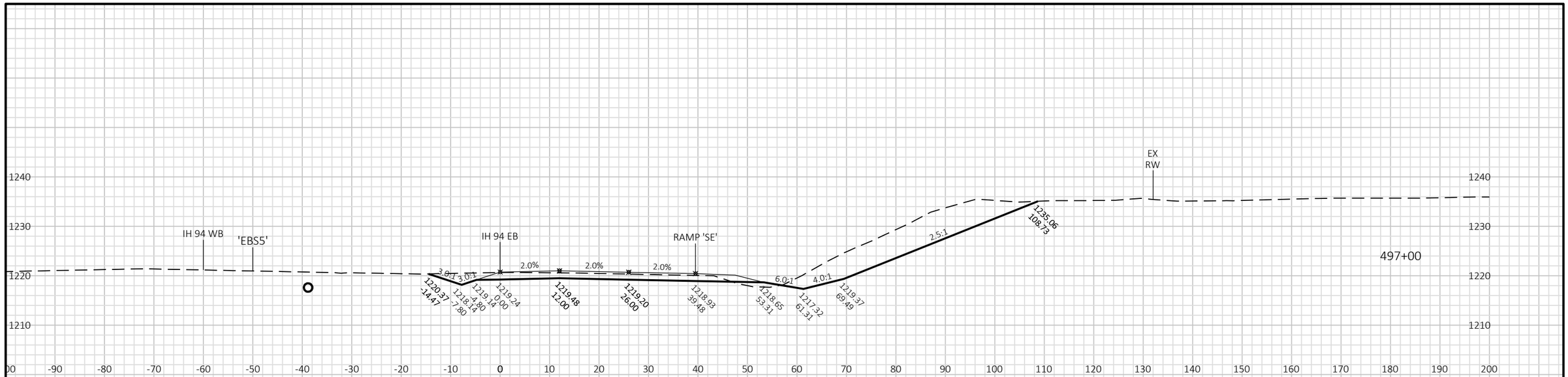
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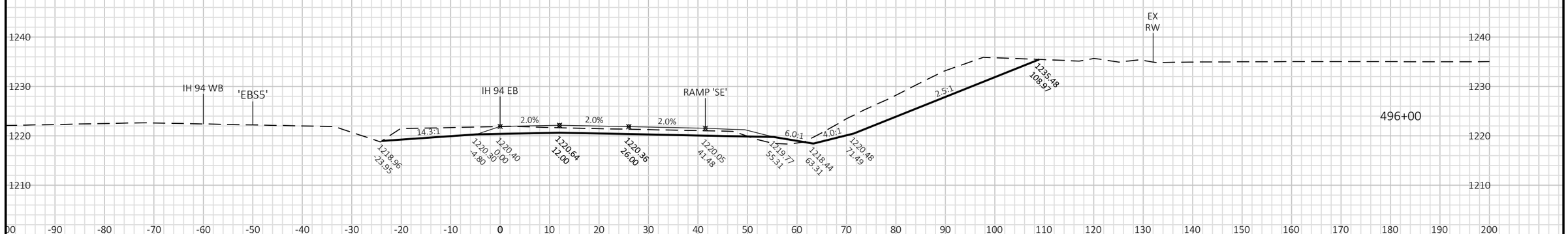
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1392 E

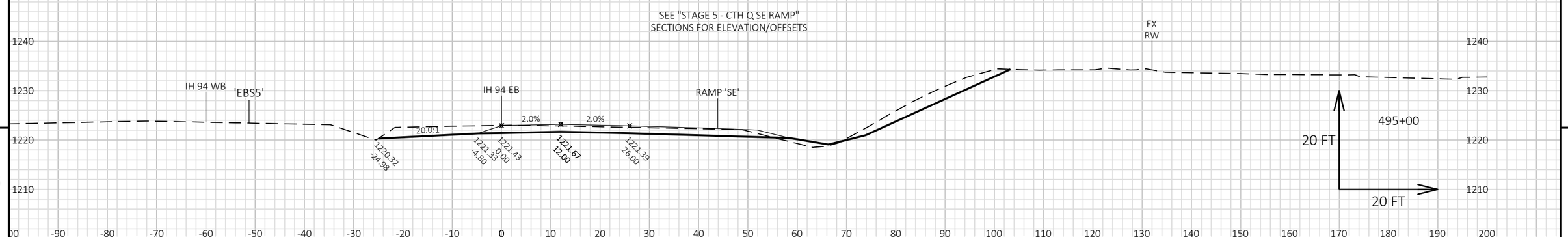
FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090185_XS EB

PLOT DATE : 8/15/2018 10:14 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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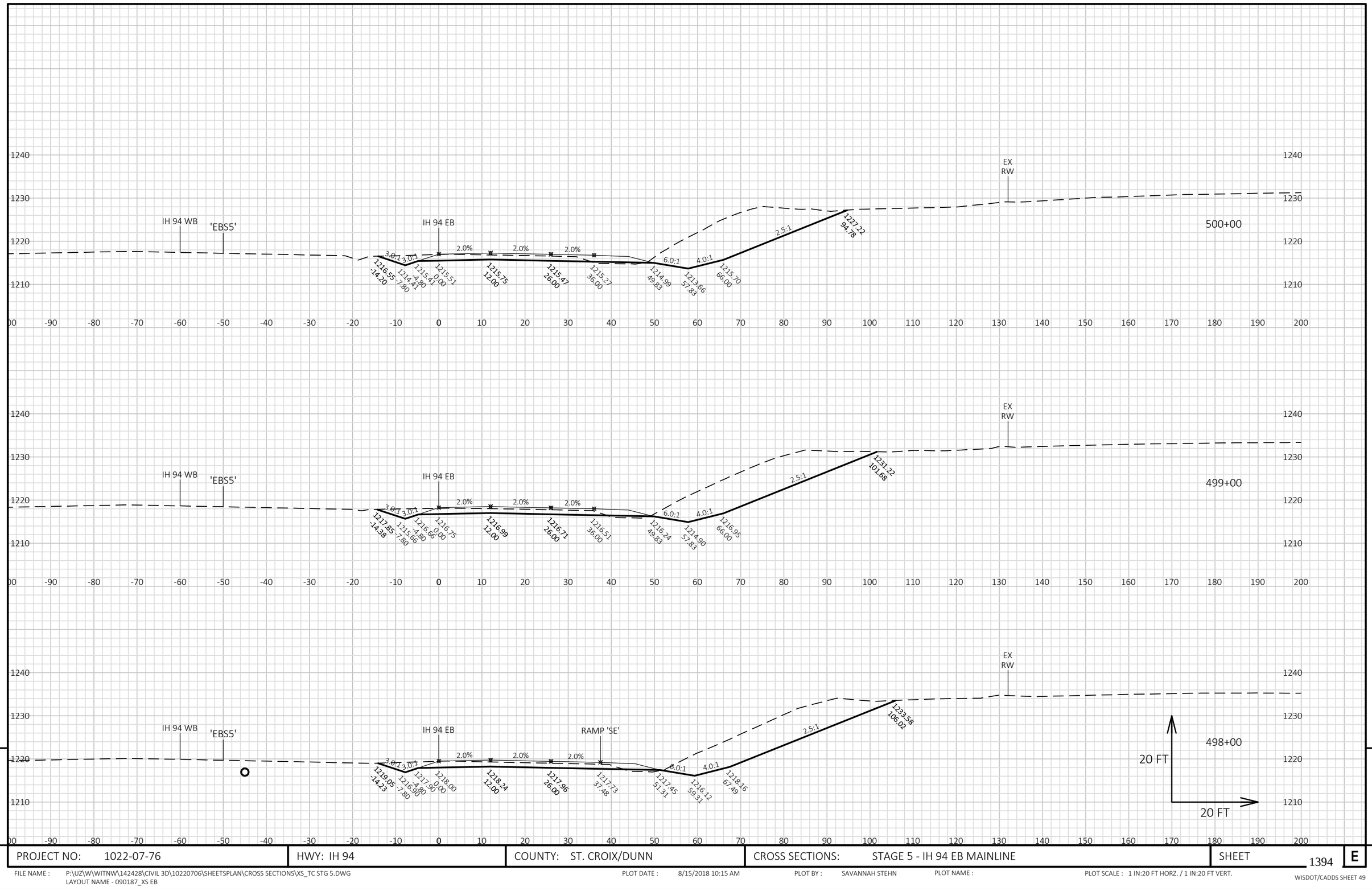
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1393	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090186_XS EB

PLOT DATE : 8/15/2018 10:14 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



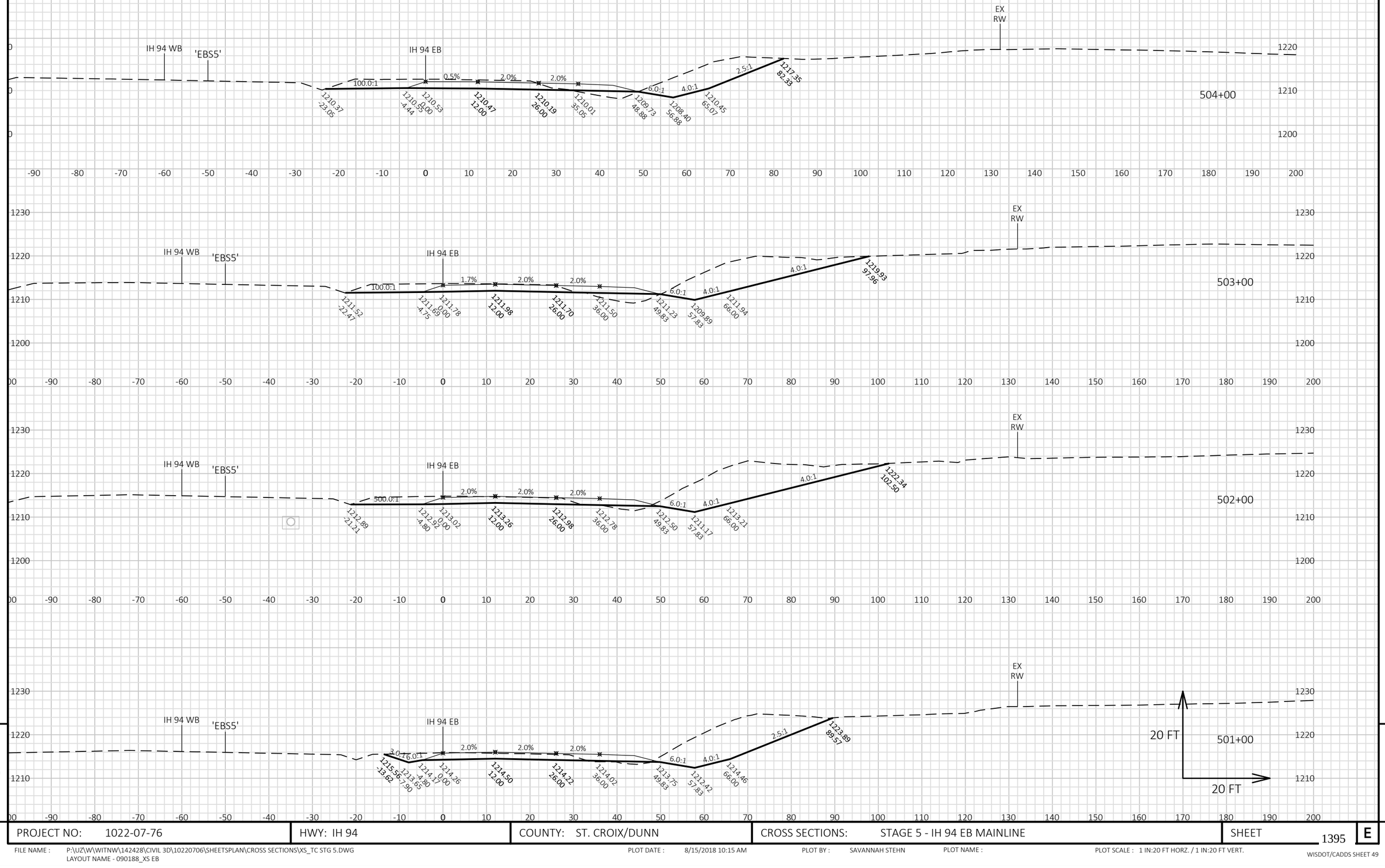
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1394	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090187_XS EB

PLOT DATE : 8/15/2018 10:15 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1395	E

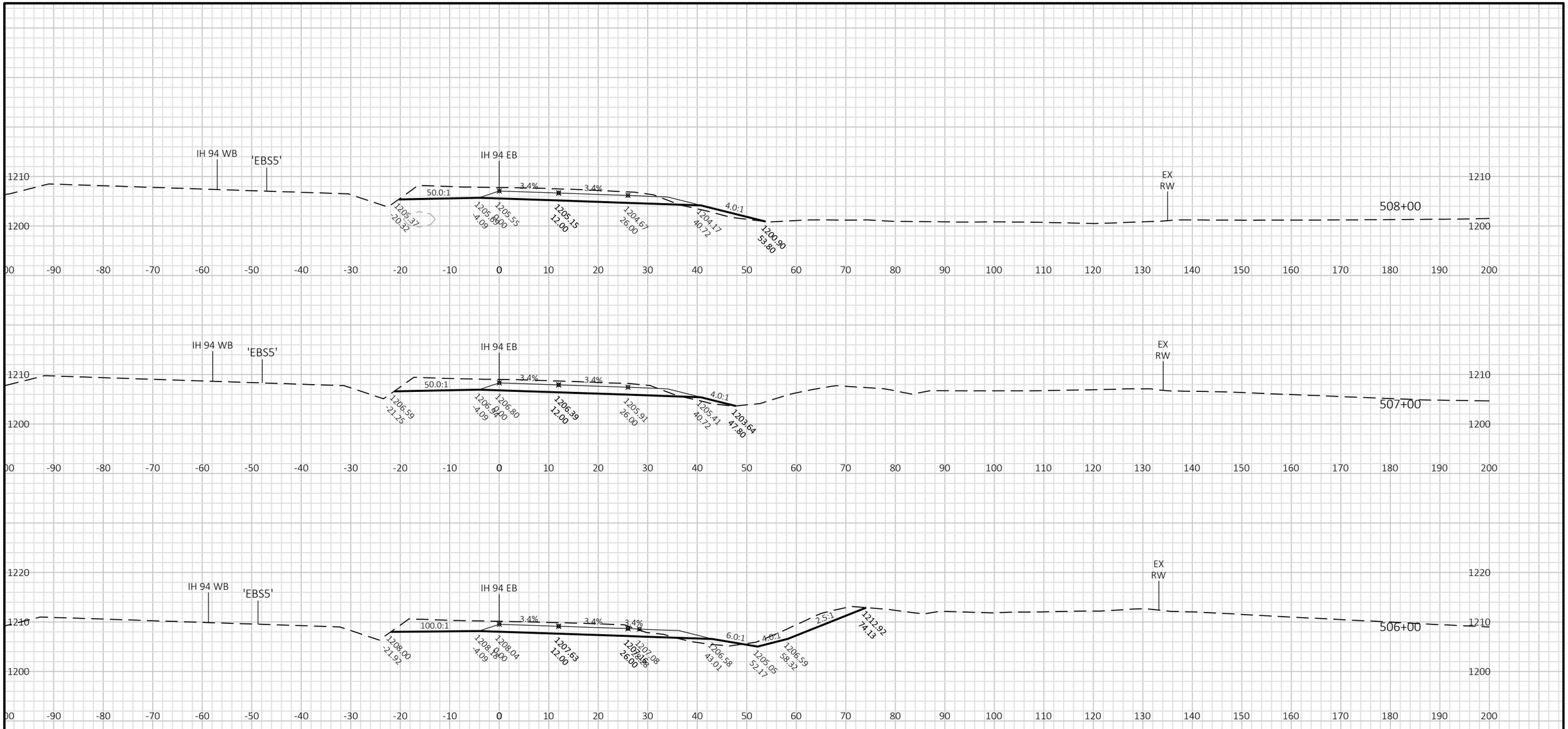
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LAYOUT NAME - 090188_XS EB

PLOT DATE : 8/15/2018 10:15 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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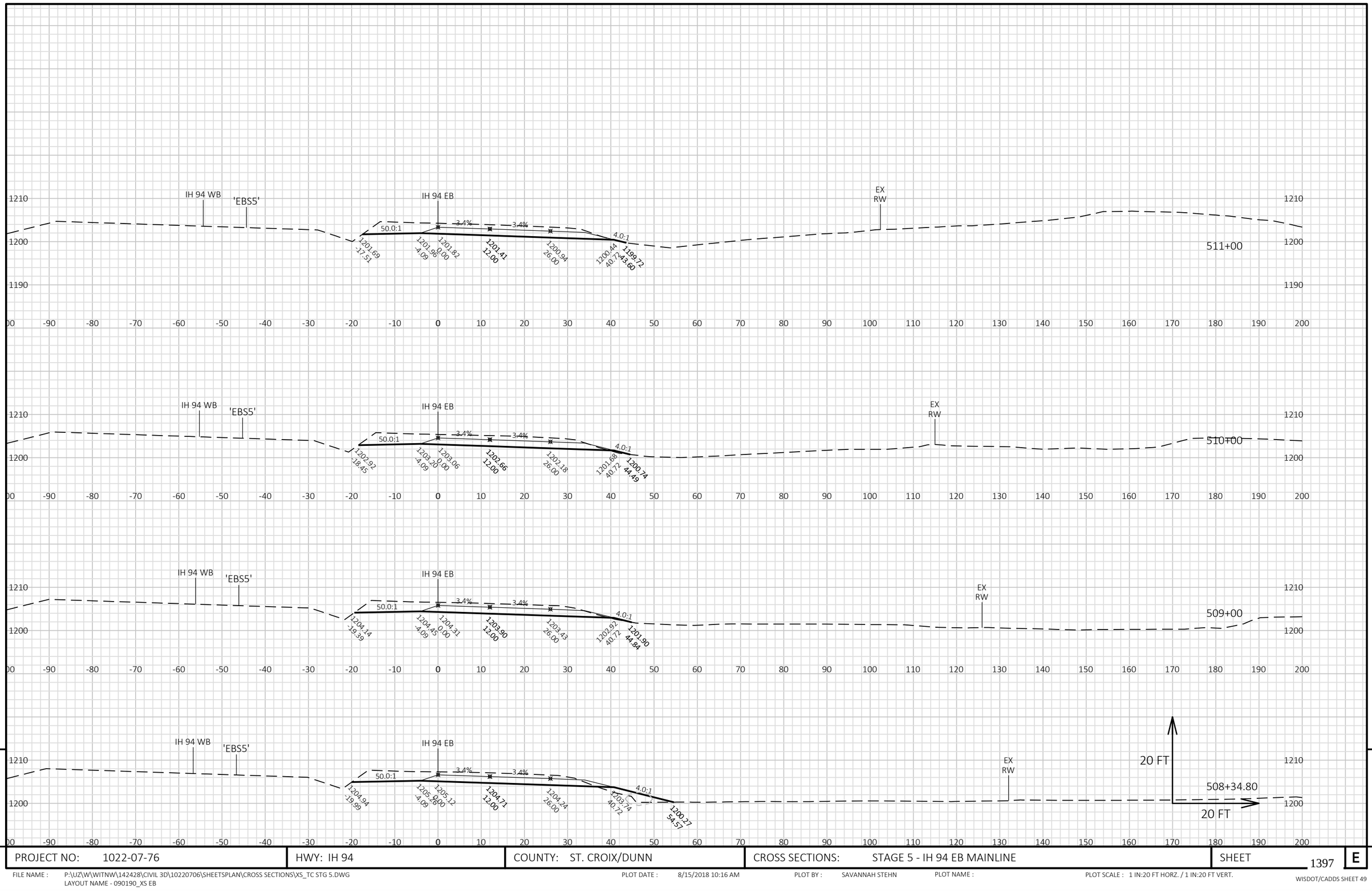
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1396	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090189_XS EB

PLOT DATE : 8/15/2018 10:16 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



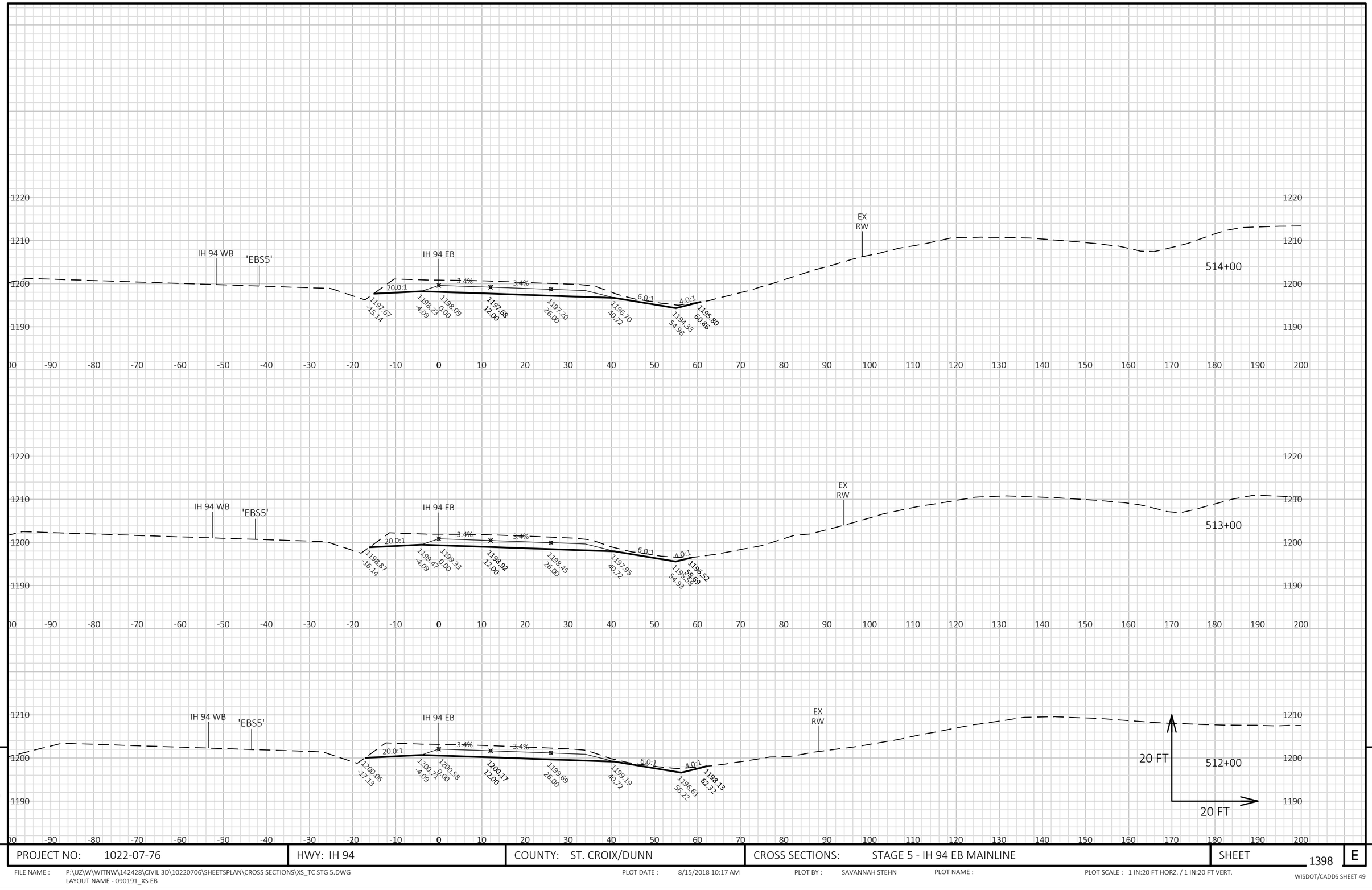
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1397	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090190_XS EB

PLOT DATE : 8/15/2018 10:16 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



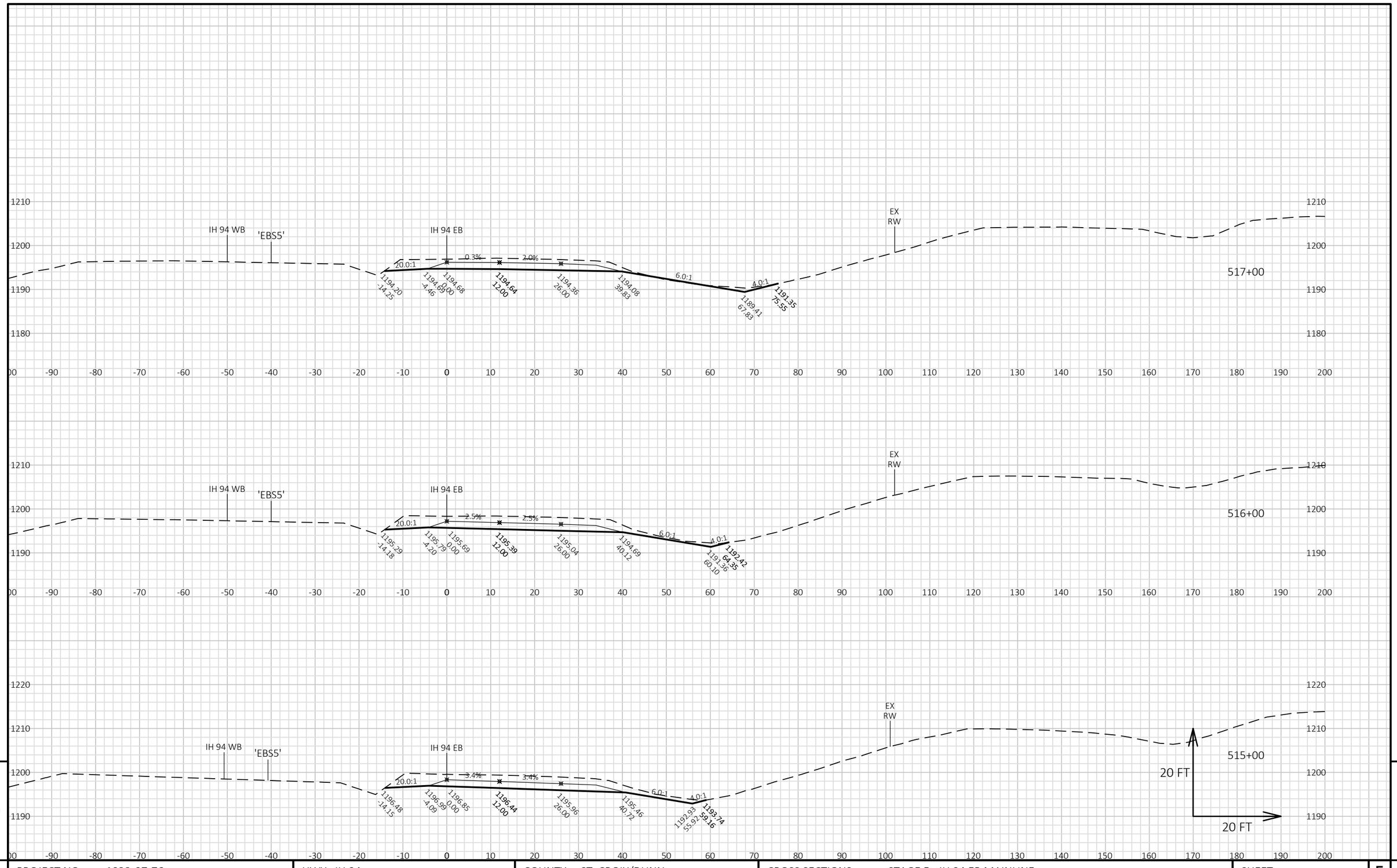
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1398	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090191_XS EB

PLOT DATE : 8/15/2018 10:17 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



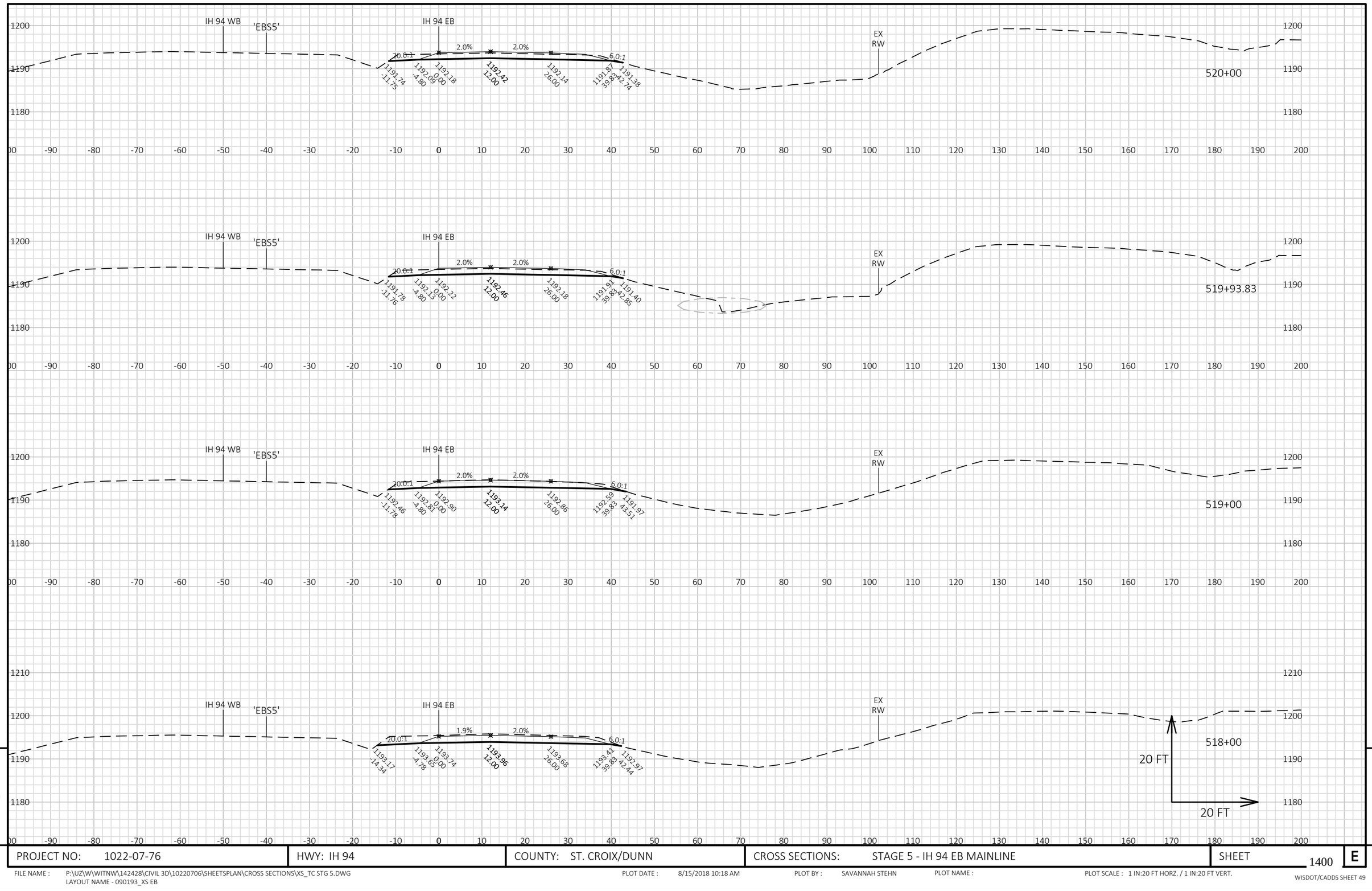
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1399	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090192_XS EB

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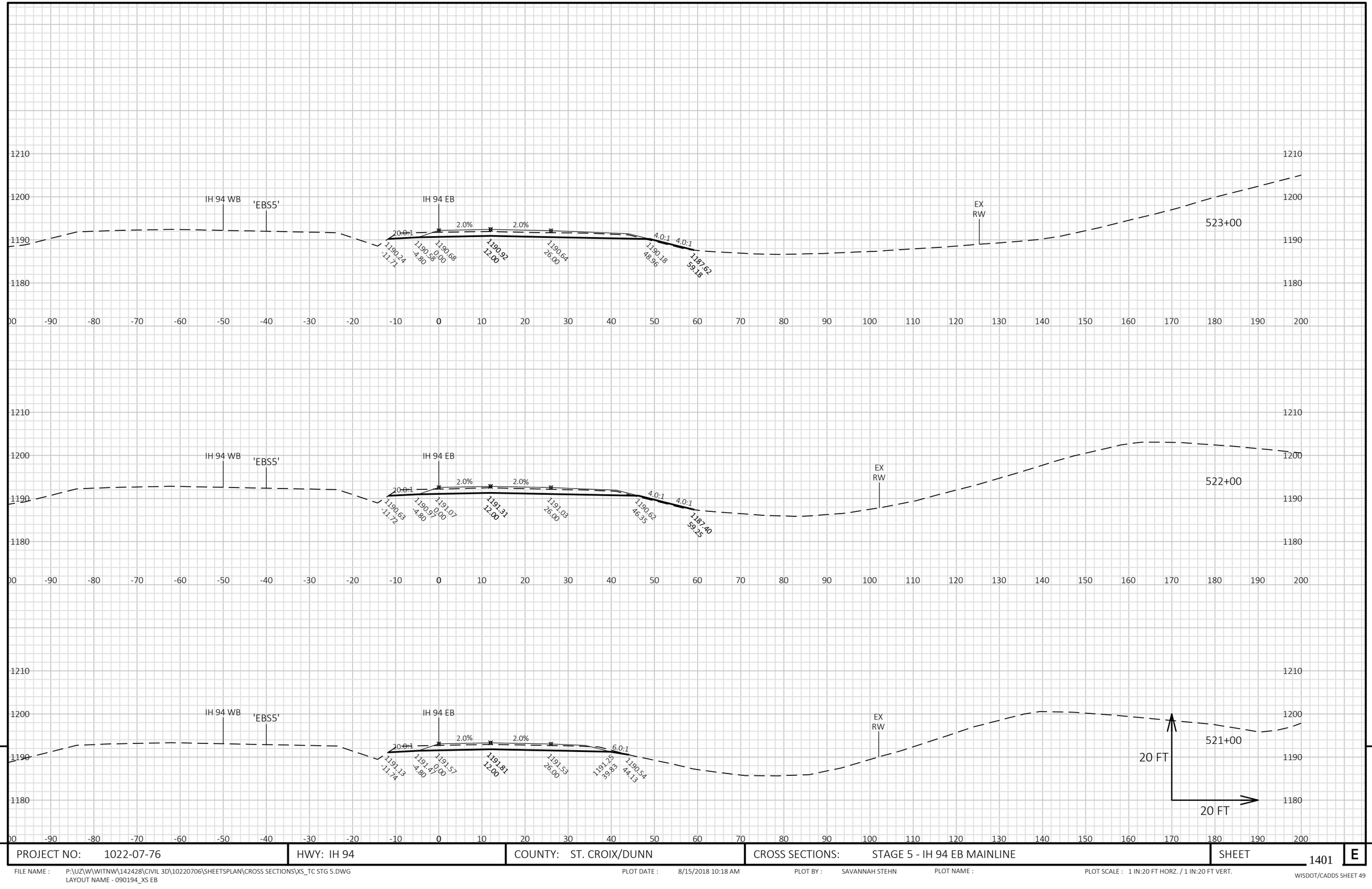
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1400	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090193_XS EB

PLOT DATE : 8/15/2018 10:18 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



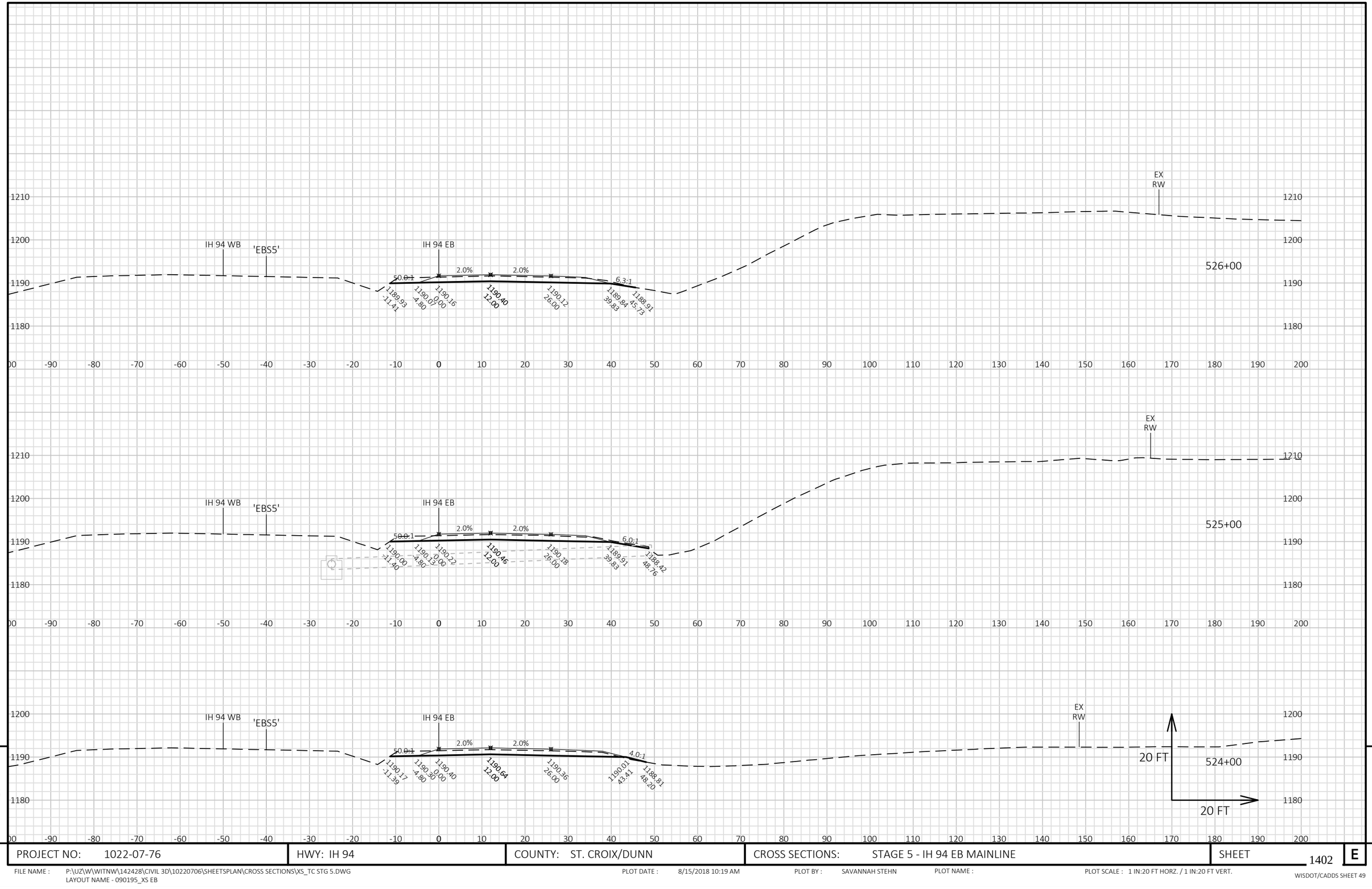
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1401	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090194_XS EB

PLOT DATE : 8/15/2018 10:18 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



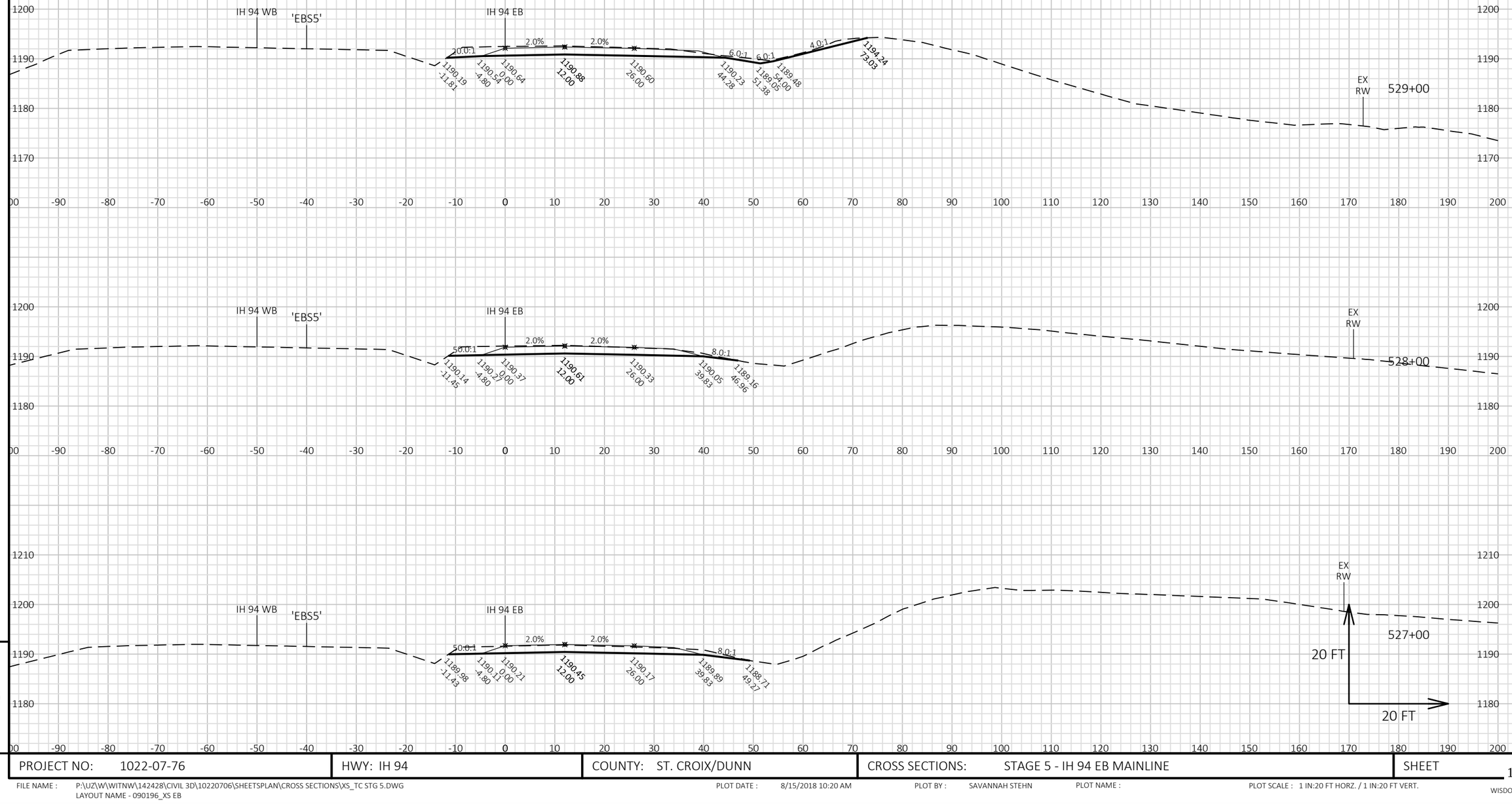
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1402 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090195_XS EB

PLOT DATE : 8/15/2018 10:19 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



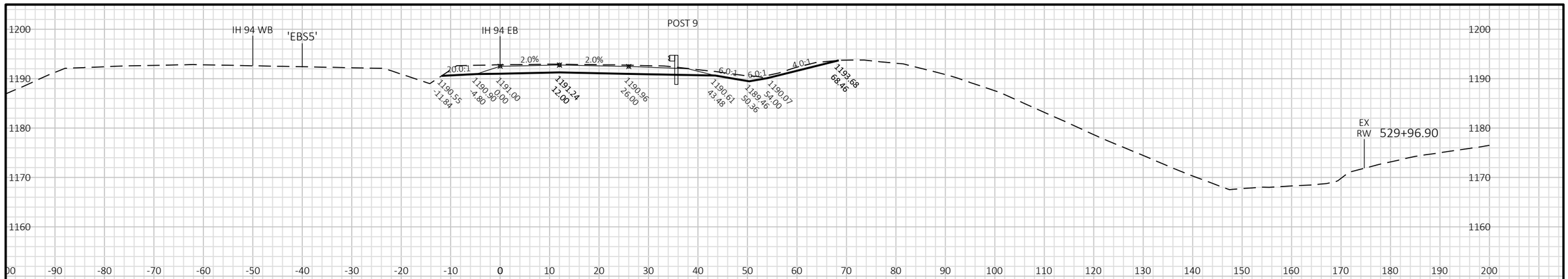
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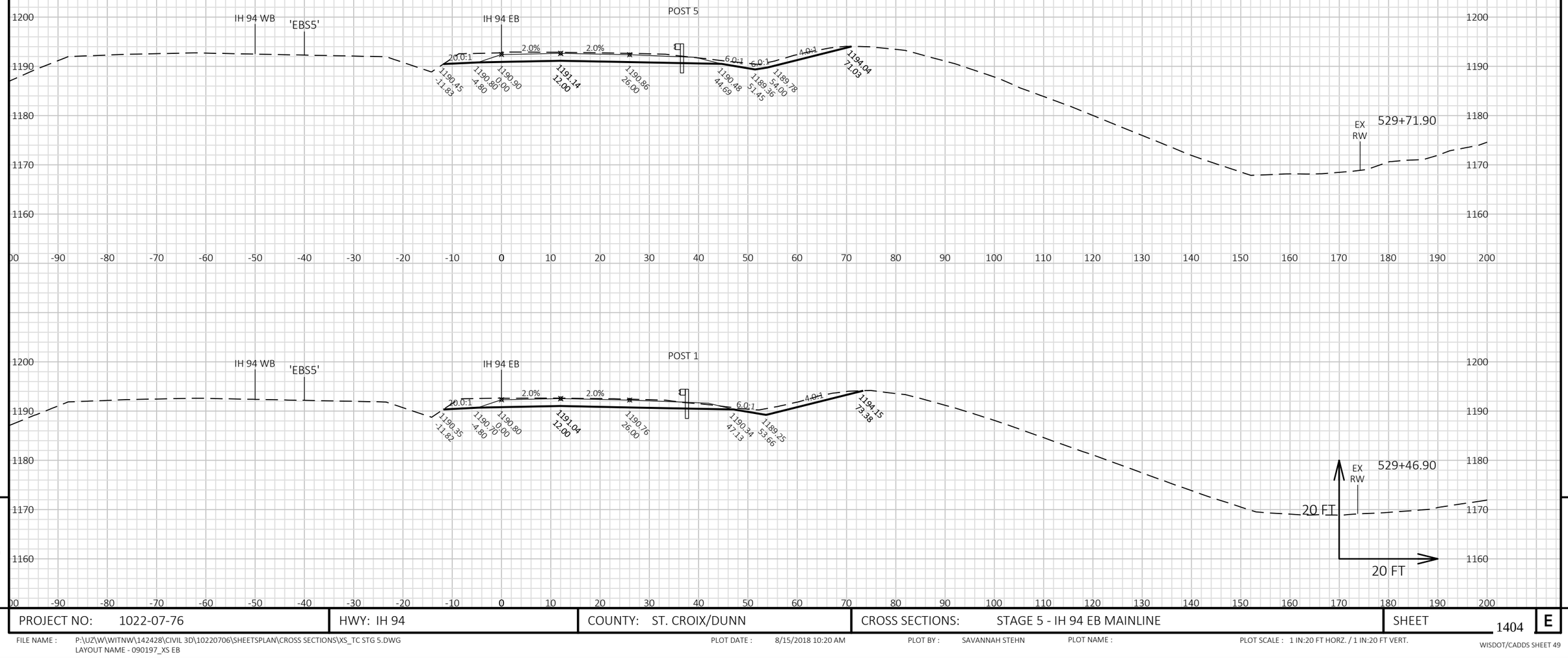
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1403	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090196_XS EB

PLOT DATE : 8/15/2018 10:20 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





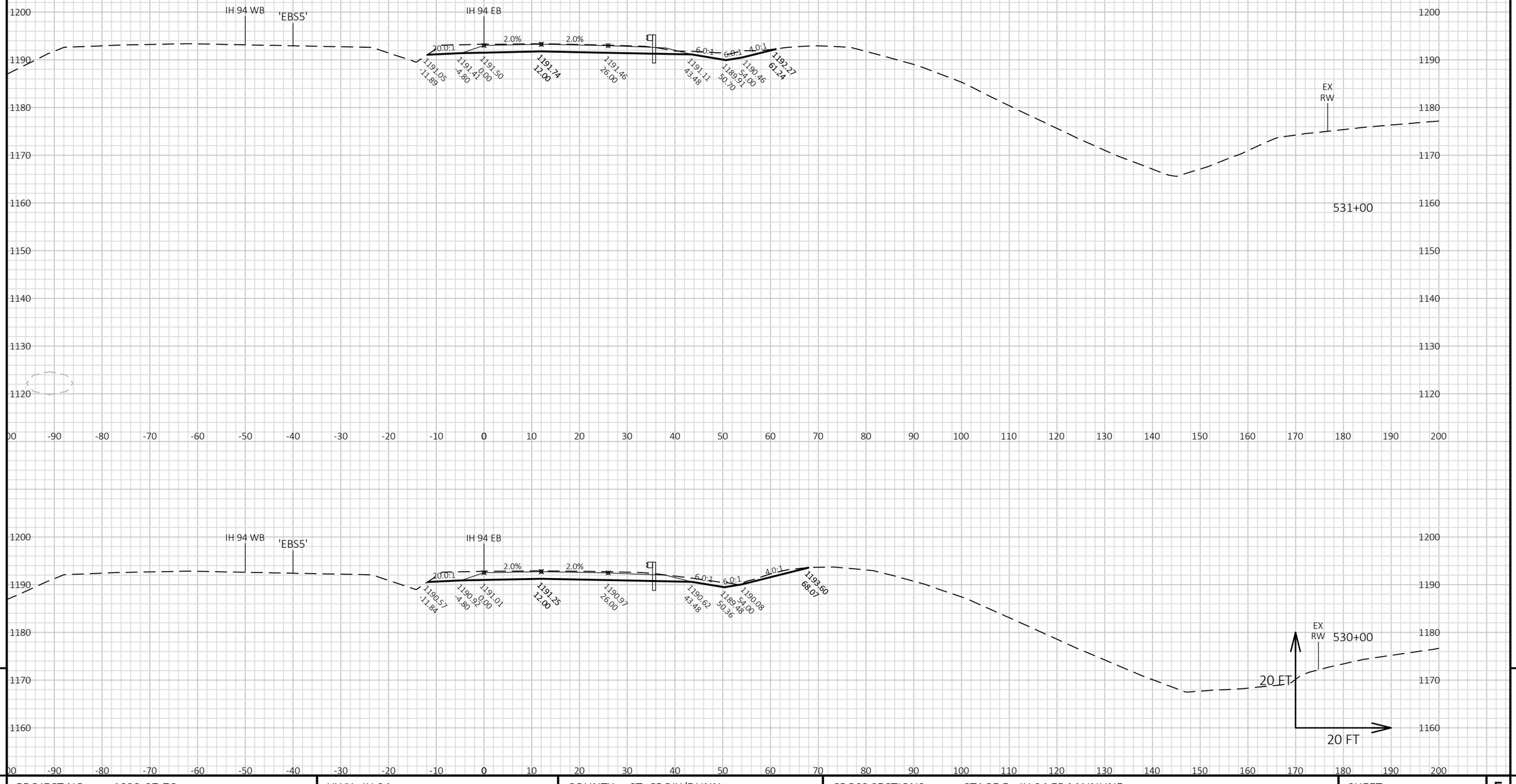
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1404 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090197_XS EB

PLOT DATE : 8/15/2018 10:20 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

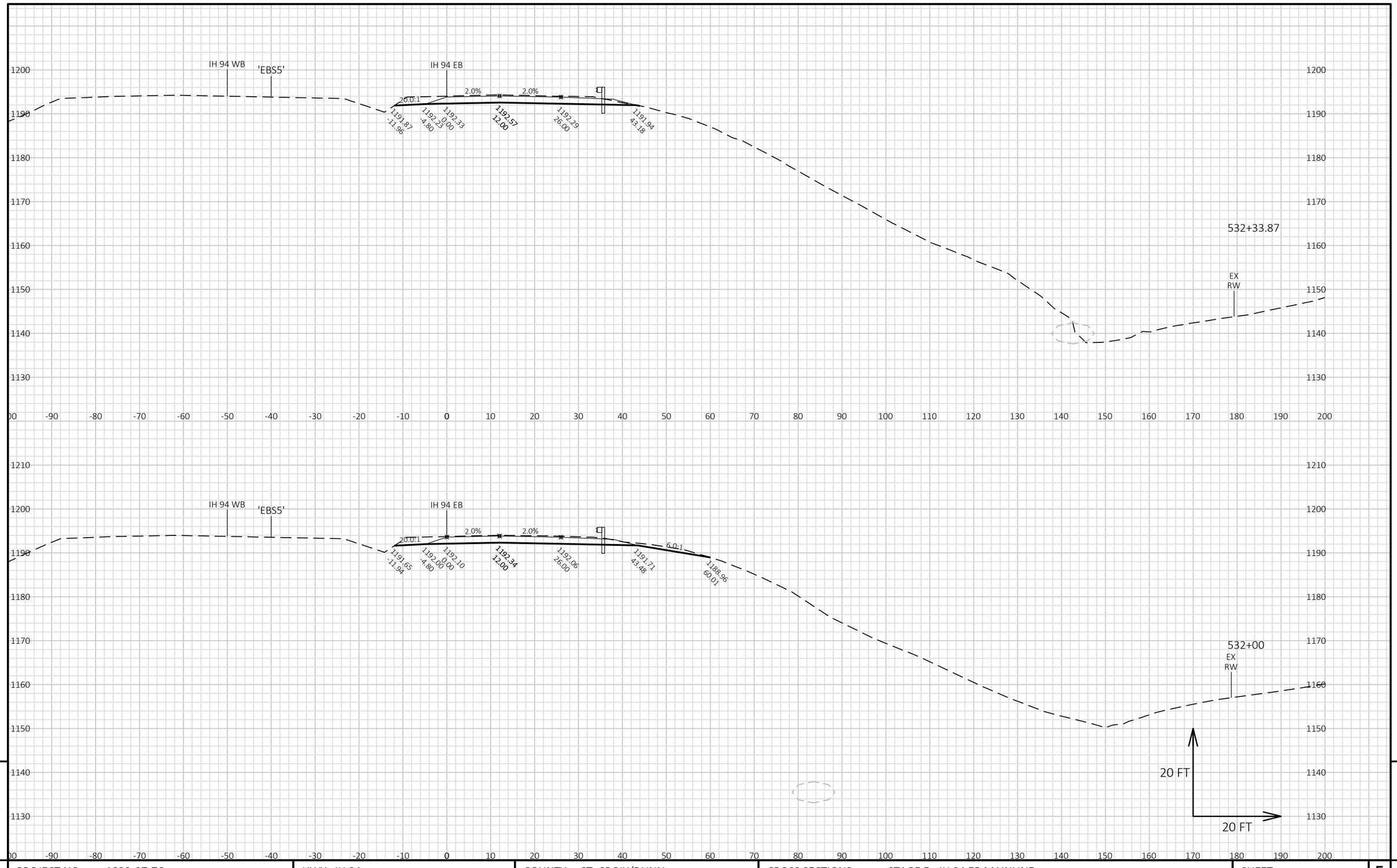


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1405 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090198_XS EB

PLOT DATE : 8/15/2018 10:21 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



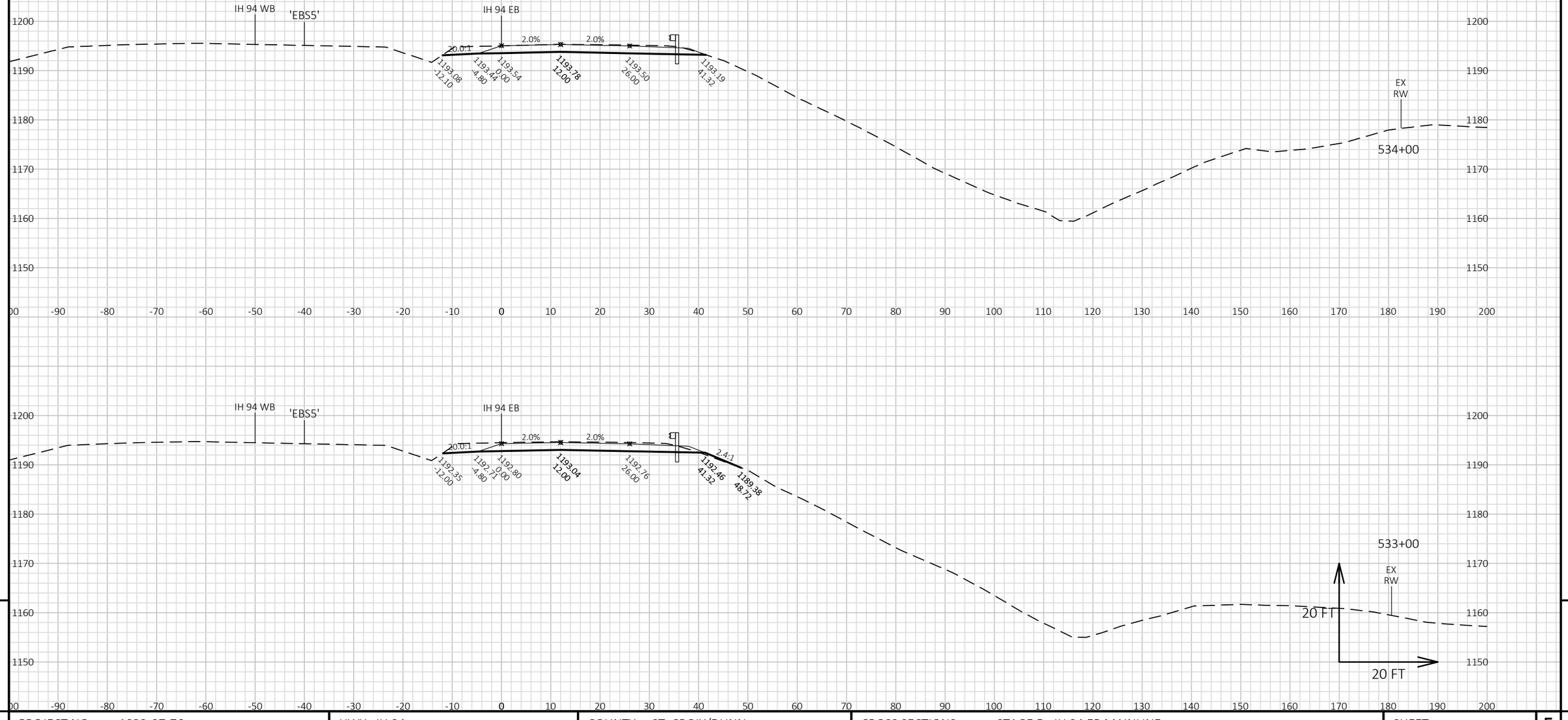
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1406	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090199_XS EB

PLOT DATE : 8/15/2018 10:21 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



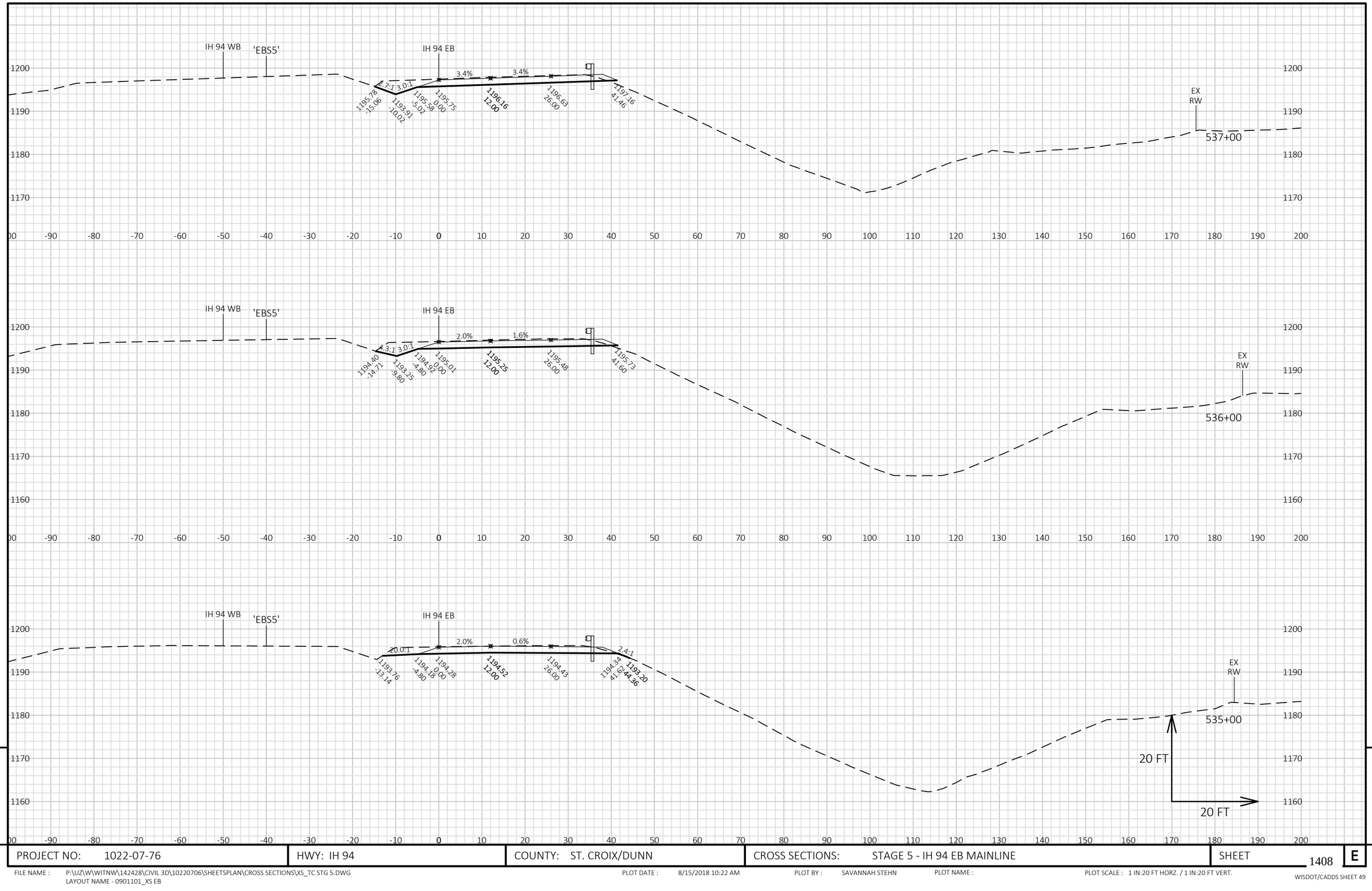
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1407	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 0901100_XS EB

PLOT DATE : 8/15/2018 10:22 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



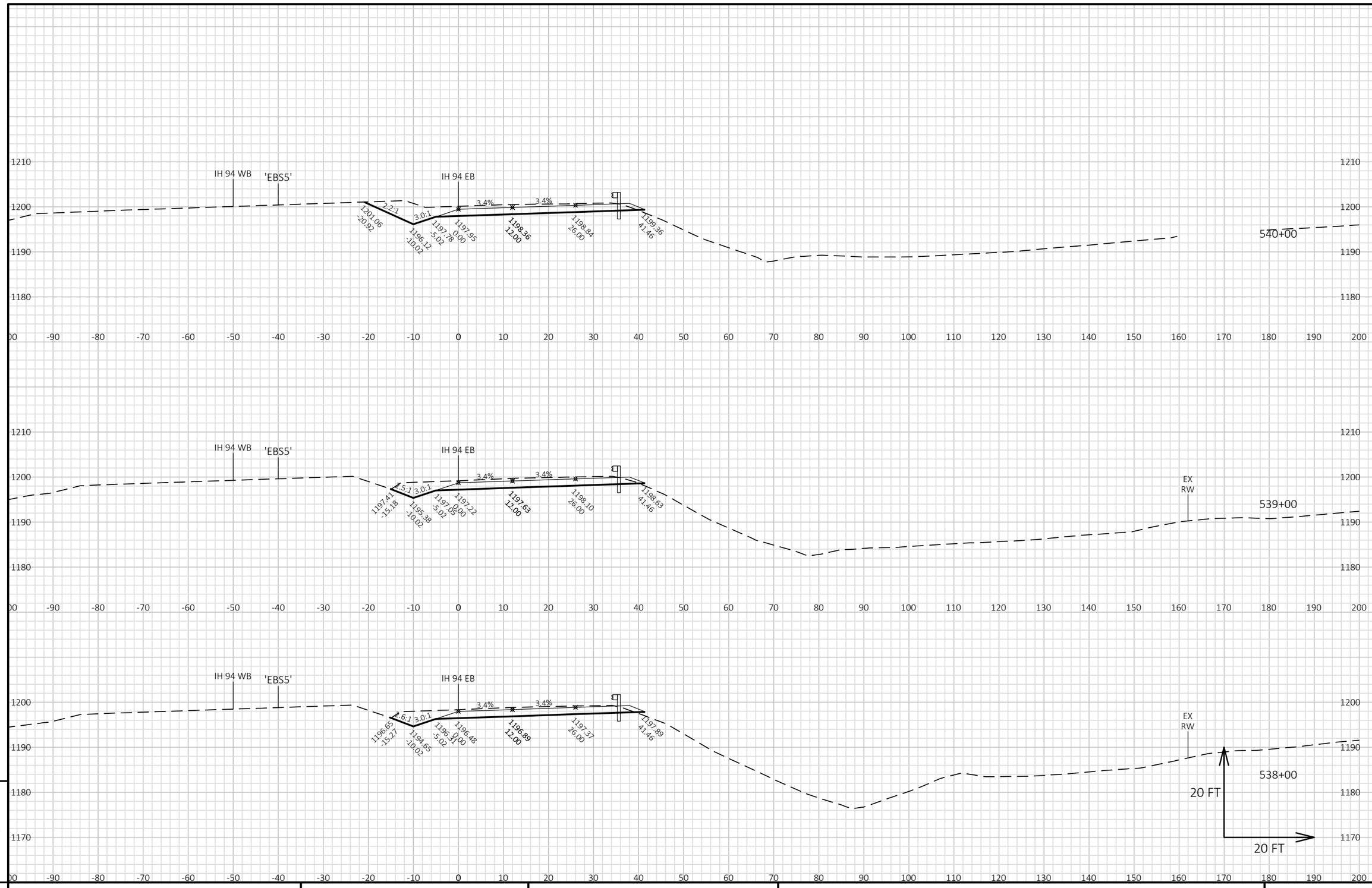
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1408 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 0901101_XS EB

PLOT DATE : 8/15/2018 10:22 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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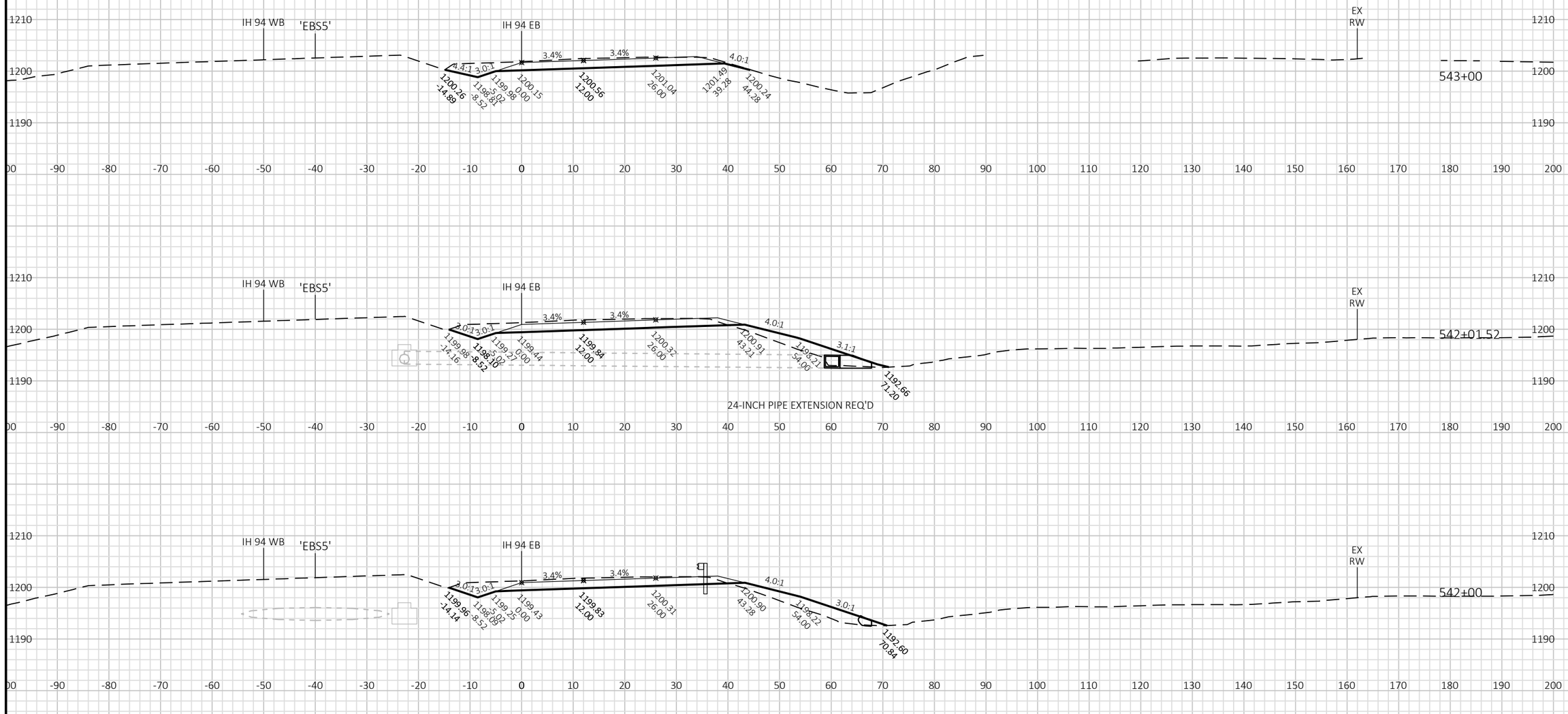
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1409 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 0901102_XS EB

PLOT DATE : 8/15/2018 10:23 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

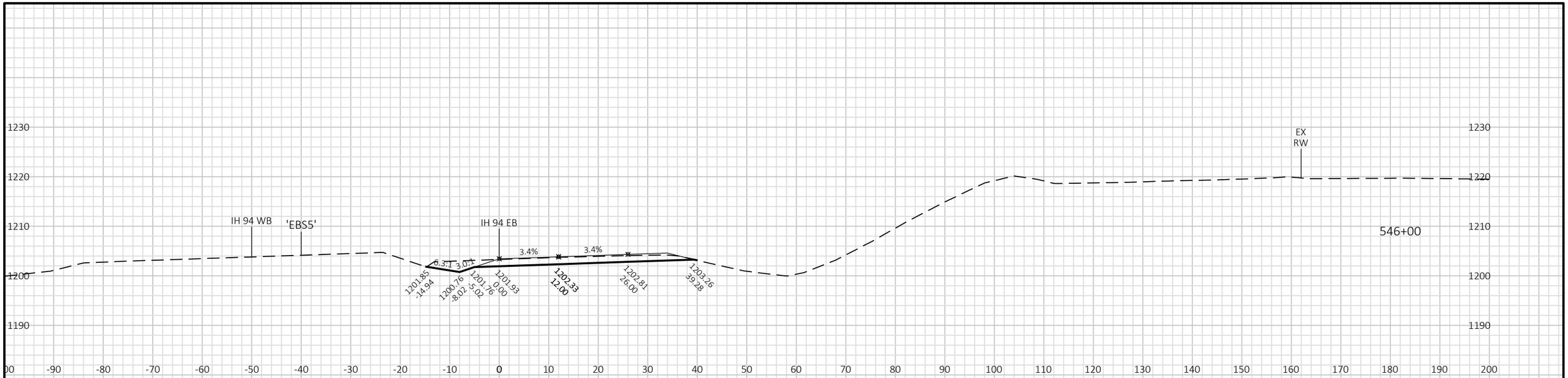
WISDOT/CADDS SHEET 49



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1410	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 0901103_XS EB

PLOT DATE : 8/15/2018 10:23 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



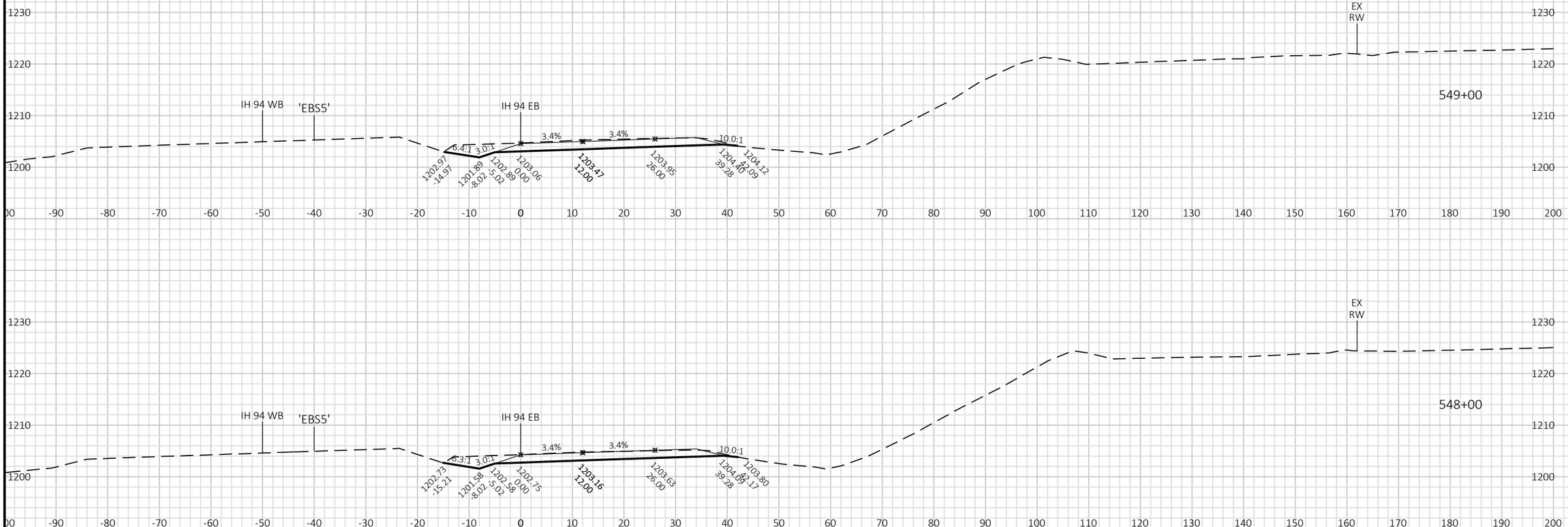
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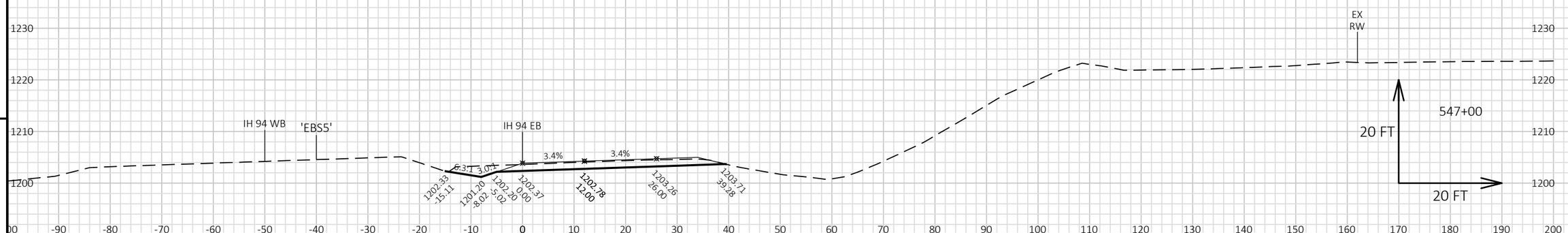
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1411	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 0901104_XS EB

PLOT DATE : 8/15/2018 10:24 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





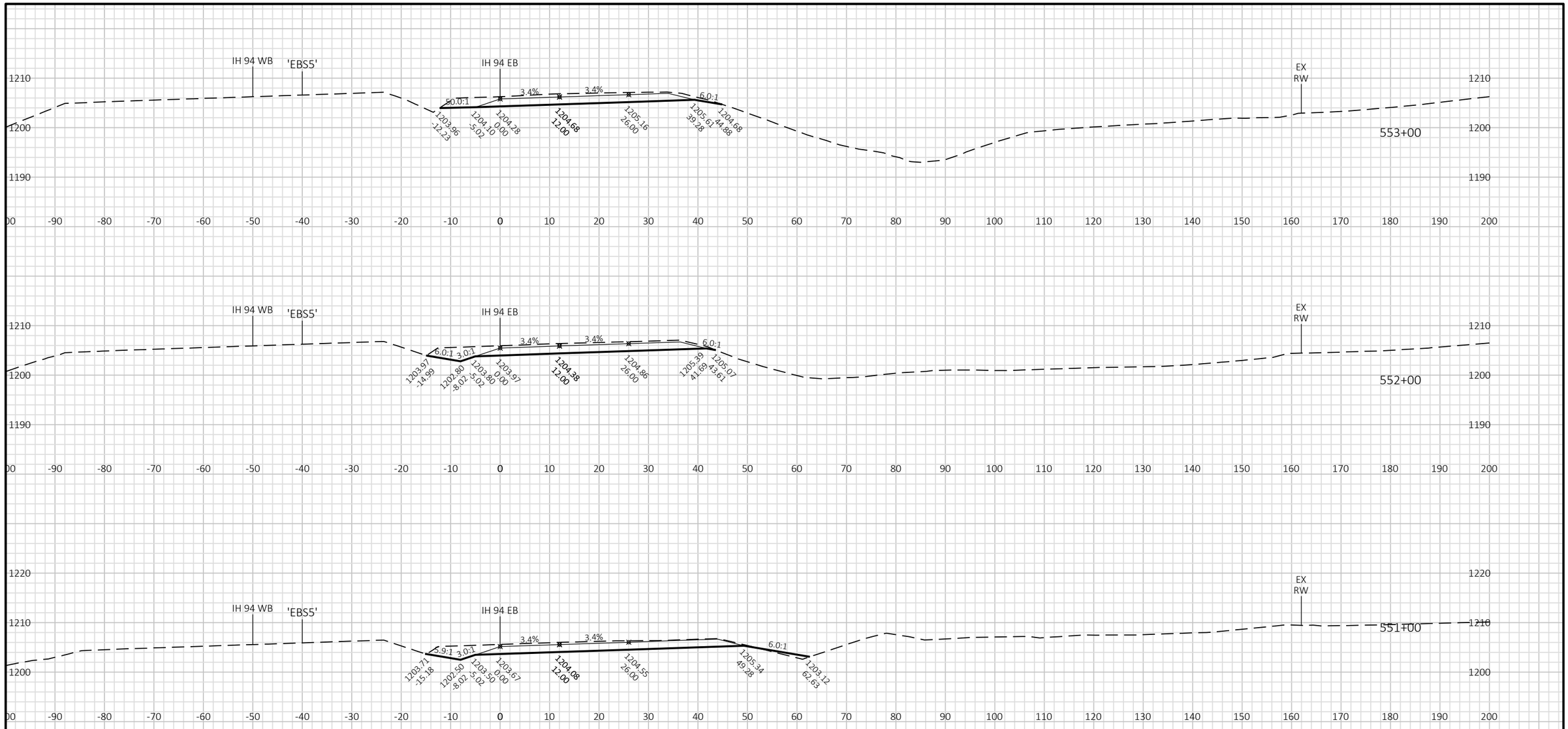
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1412	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 0901105_XS EB

PLOT DATE : 8/15/2018 10:24 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

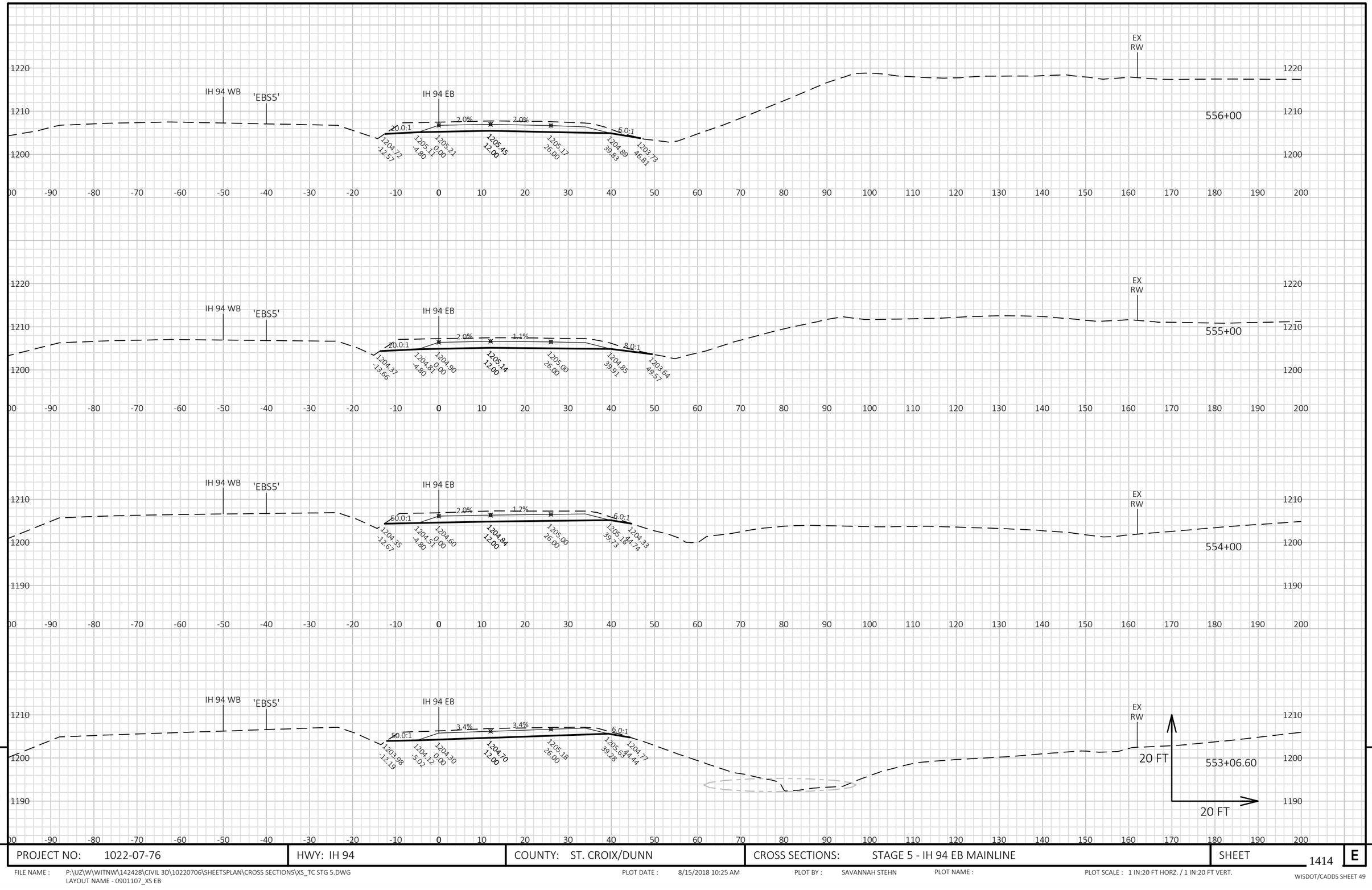


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1413	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 0901106_XS EB

PLOT DATE : 8/15/2018 10:25 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



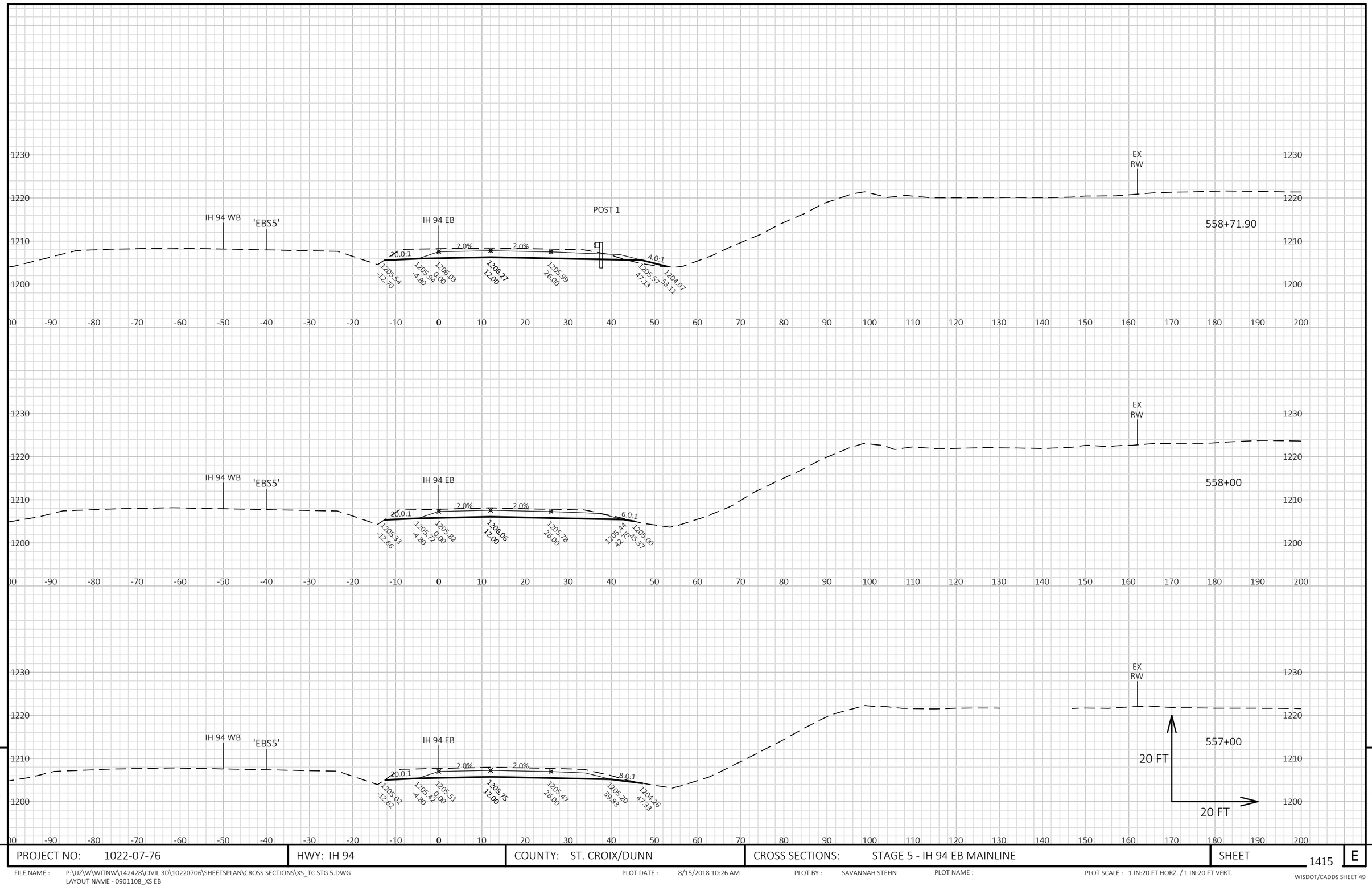
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1414 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 0901107_XS EB

PLOT DATE : 8/15/2018 10:25 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1415	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 0901108_XS EB

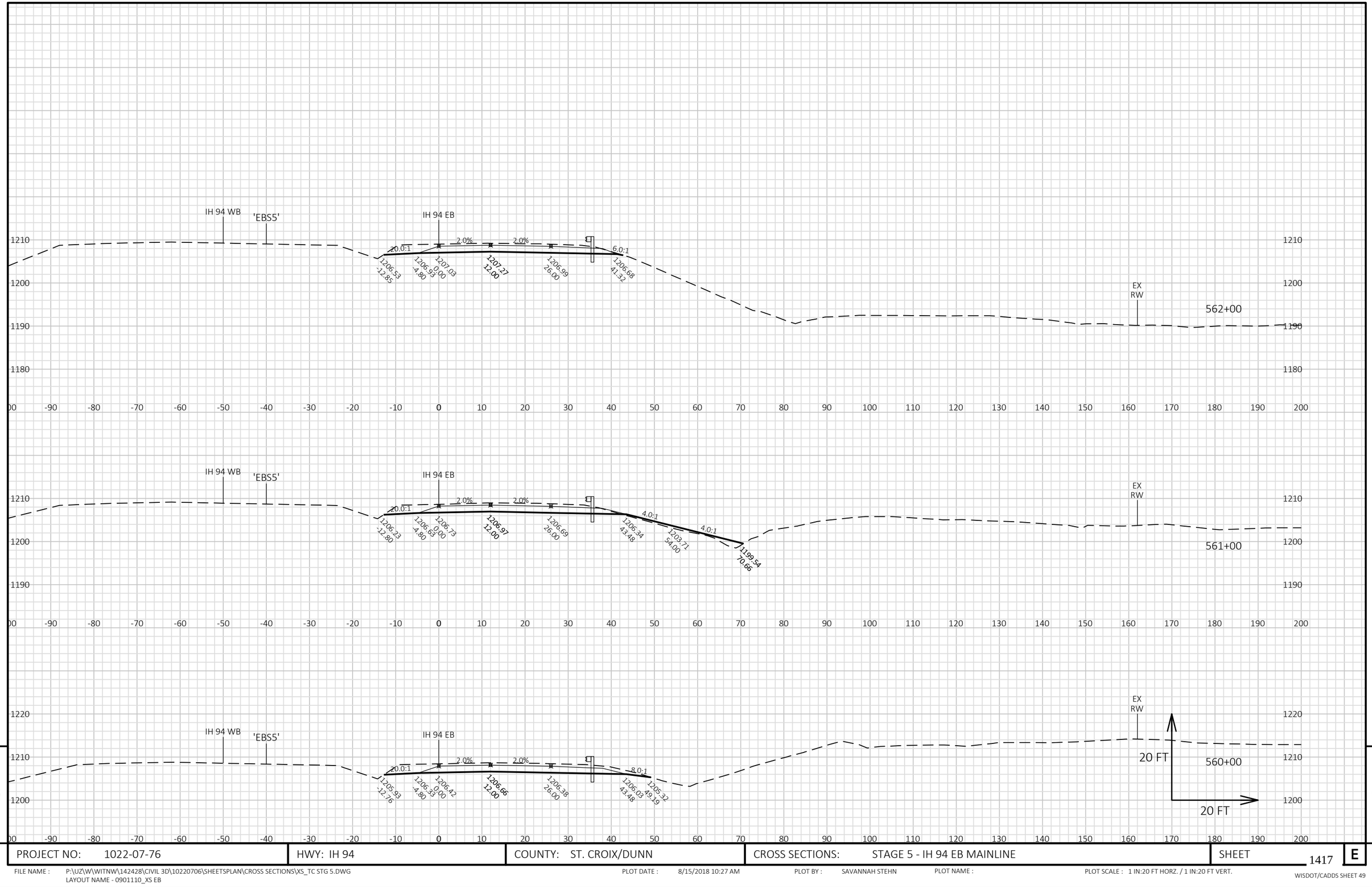
PLOT DATE : 8/15/2018 10:26 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1416	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 0901109_XS EB

PLOT DATE : 8/15/2018 10:26 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1417	E

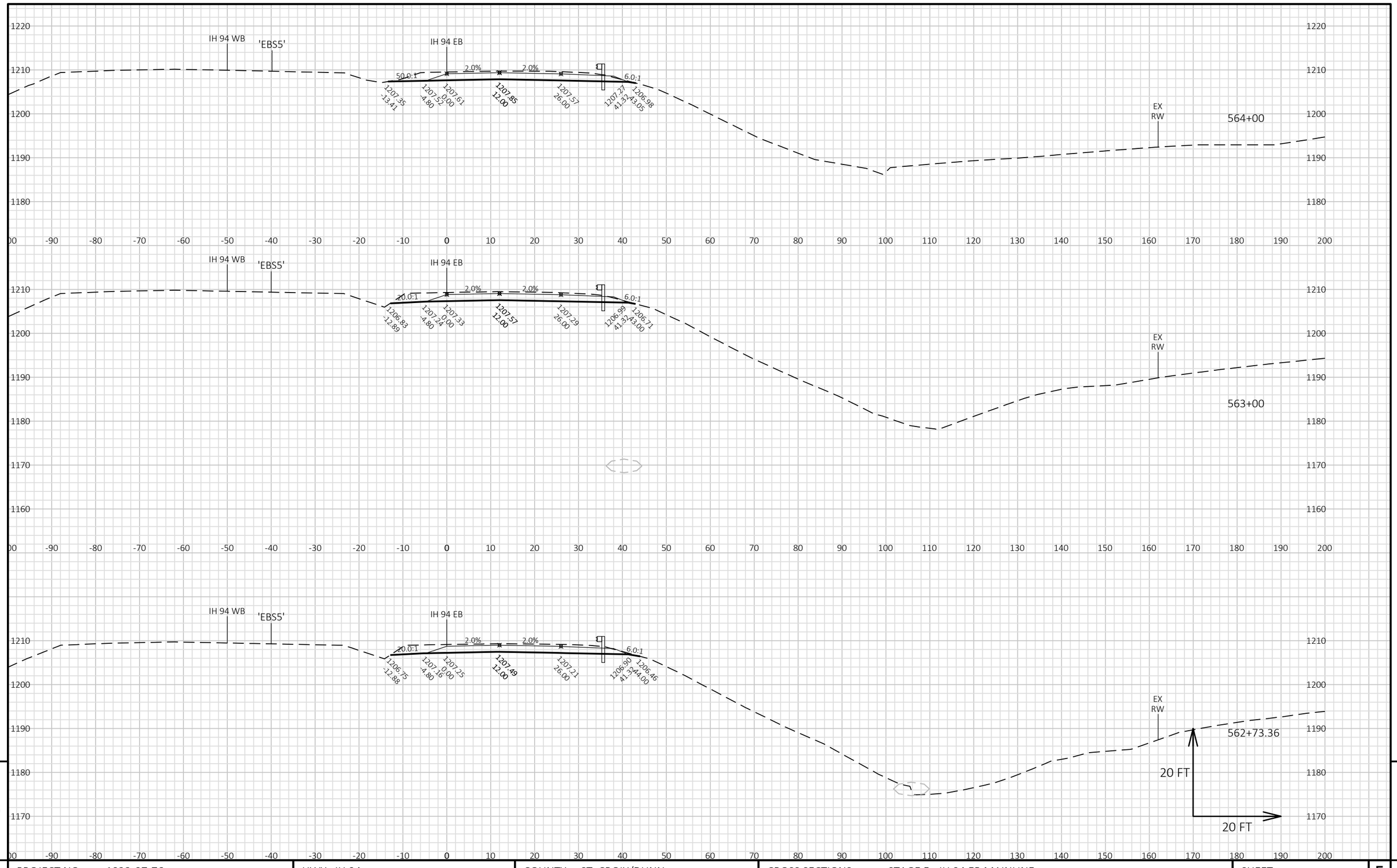
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LAYOUT NAME - 0901110_XS EB

PLOT DATE : 8/15/2018 10:27 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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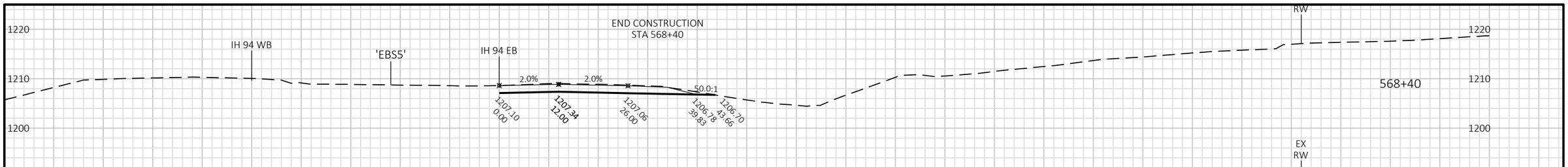
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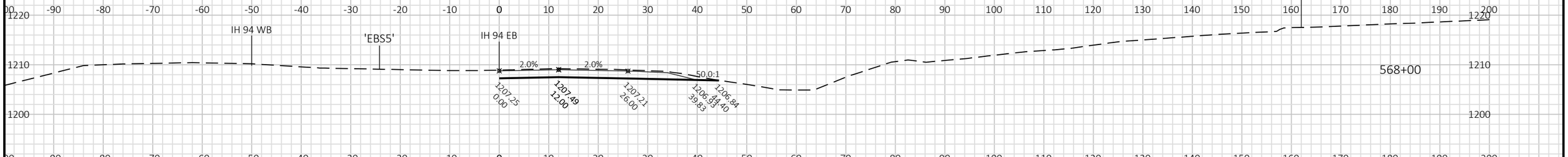
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1418	E

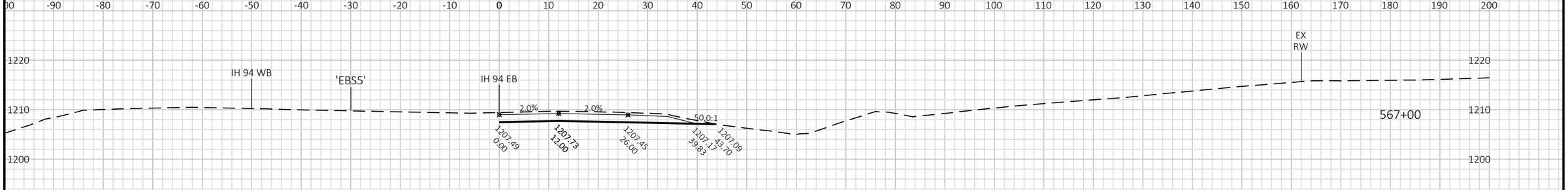
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LAYOUT NAME - 0901111_XS EB

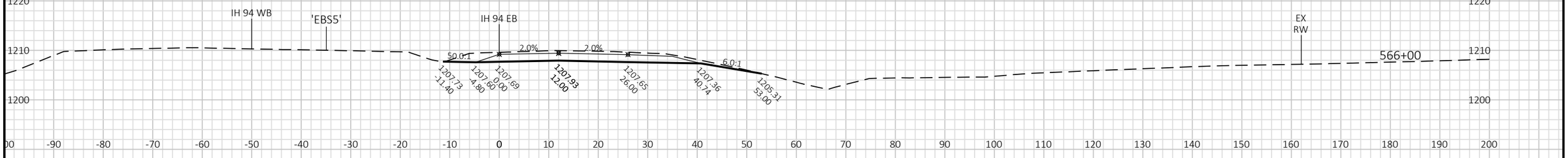
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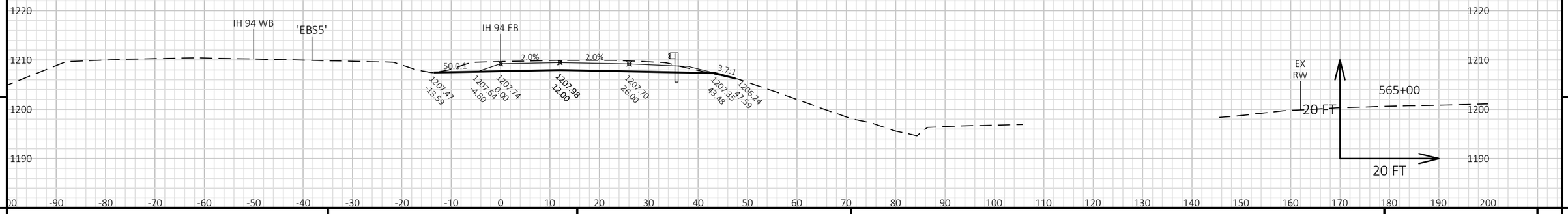
END CONSTRUCTION
STA 568+40









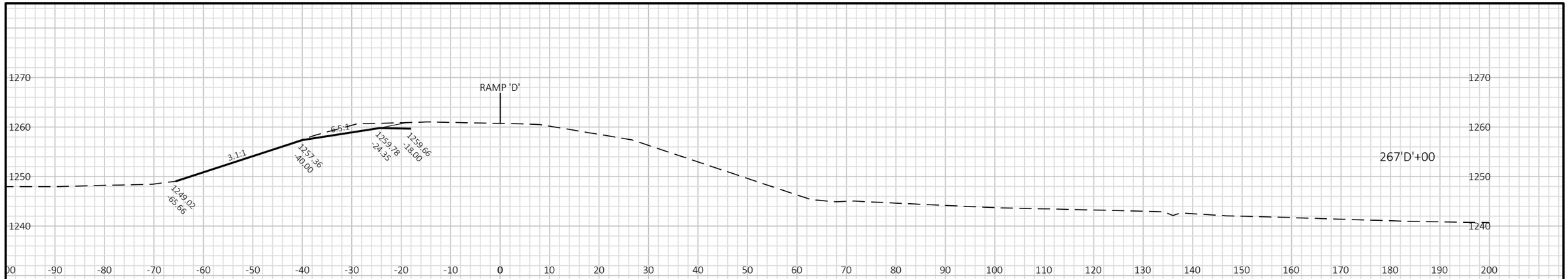


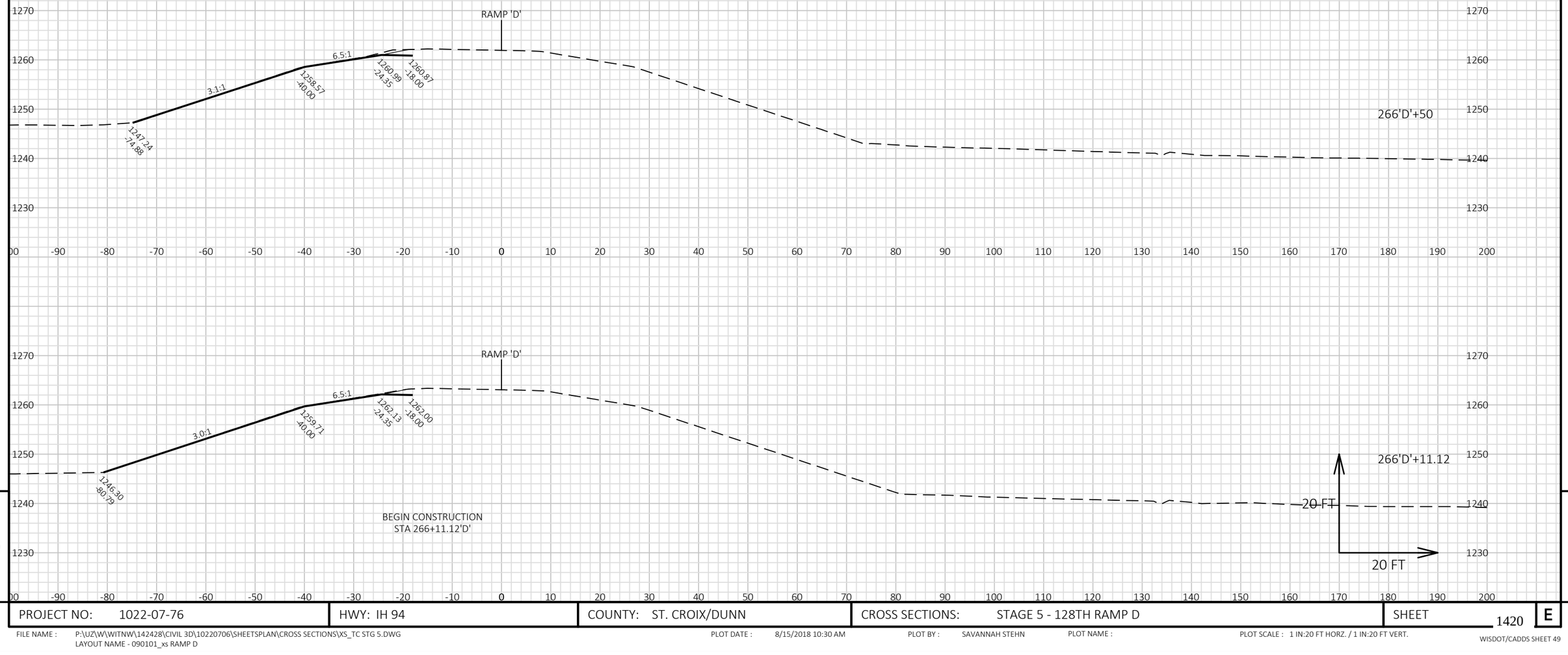
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - IH 94 EB MAINLINE	SHEET 1419 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 0901112_XS EB

PLOT DATE : 8/15/2018 10:29 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





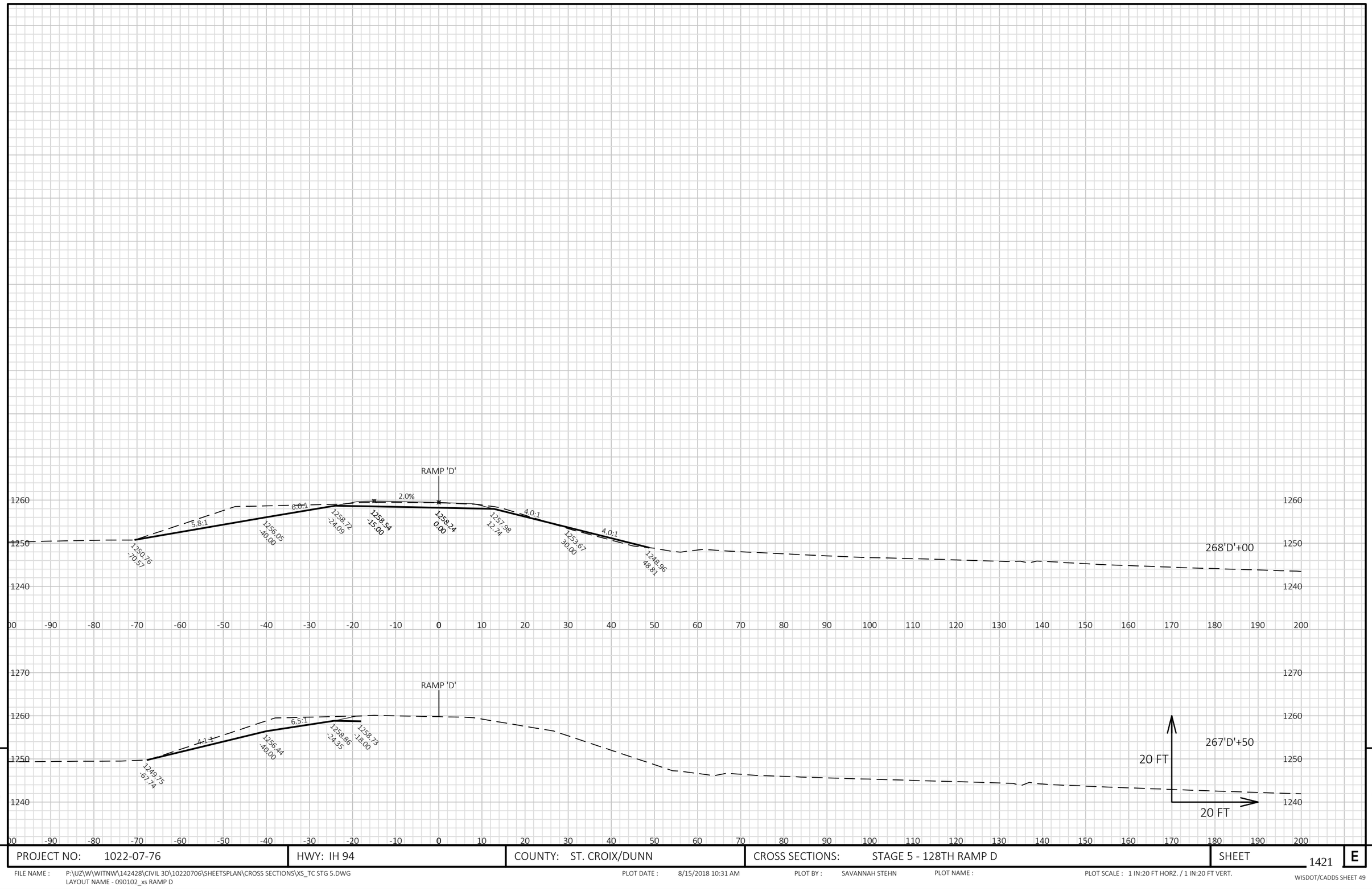
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - 128TH RAMP D	SHEET 1420	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090101_xs RAMP D

PLOT DATE : 8/15/2018 10:30 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



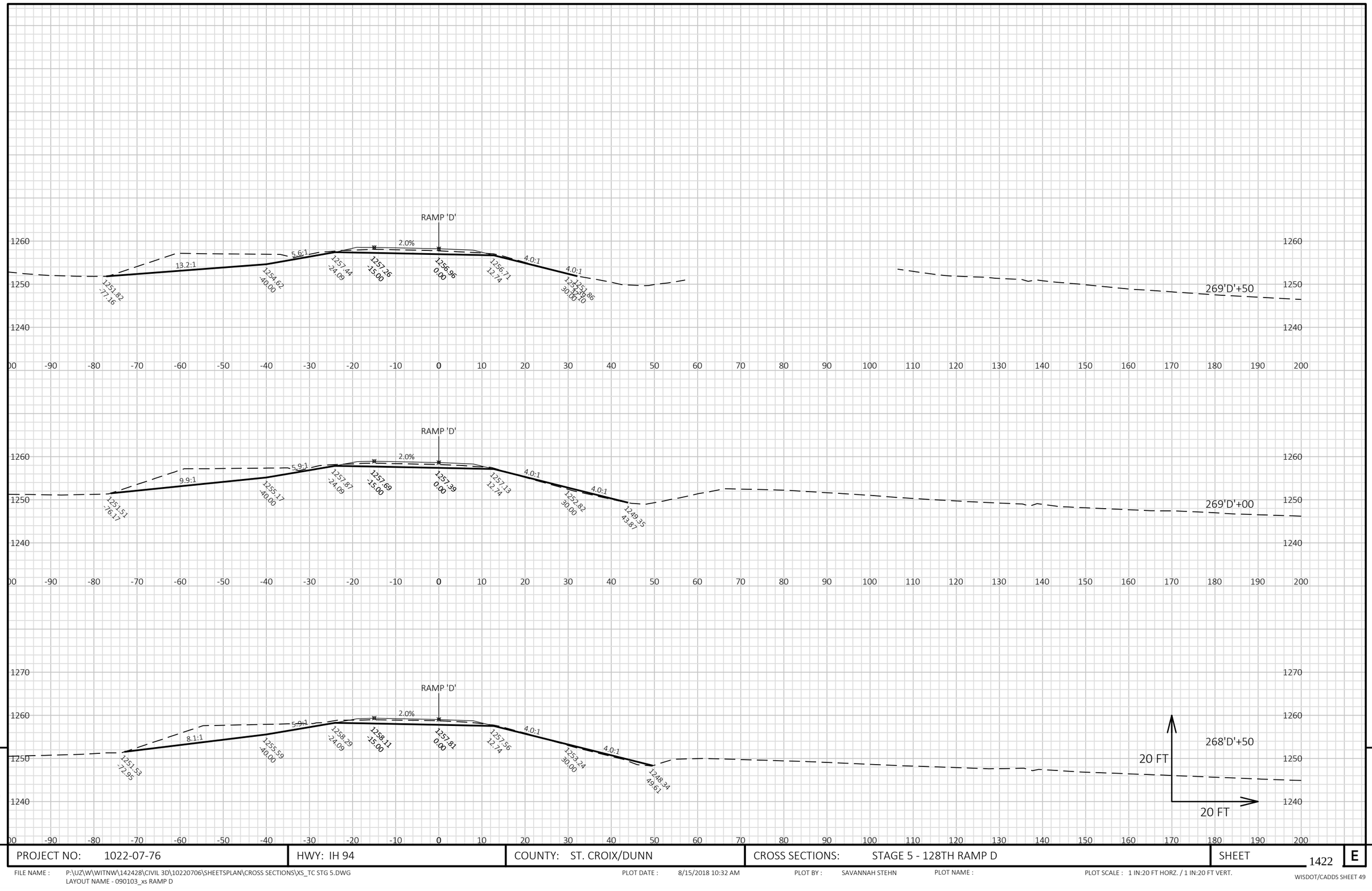
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - 128TH RAMP D	SHEET 1421	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090102_xs RAMP D

PLOT DATE : 8/15/2018 10:31 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



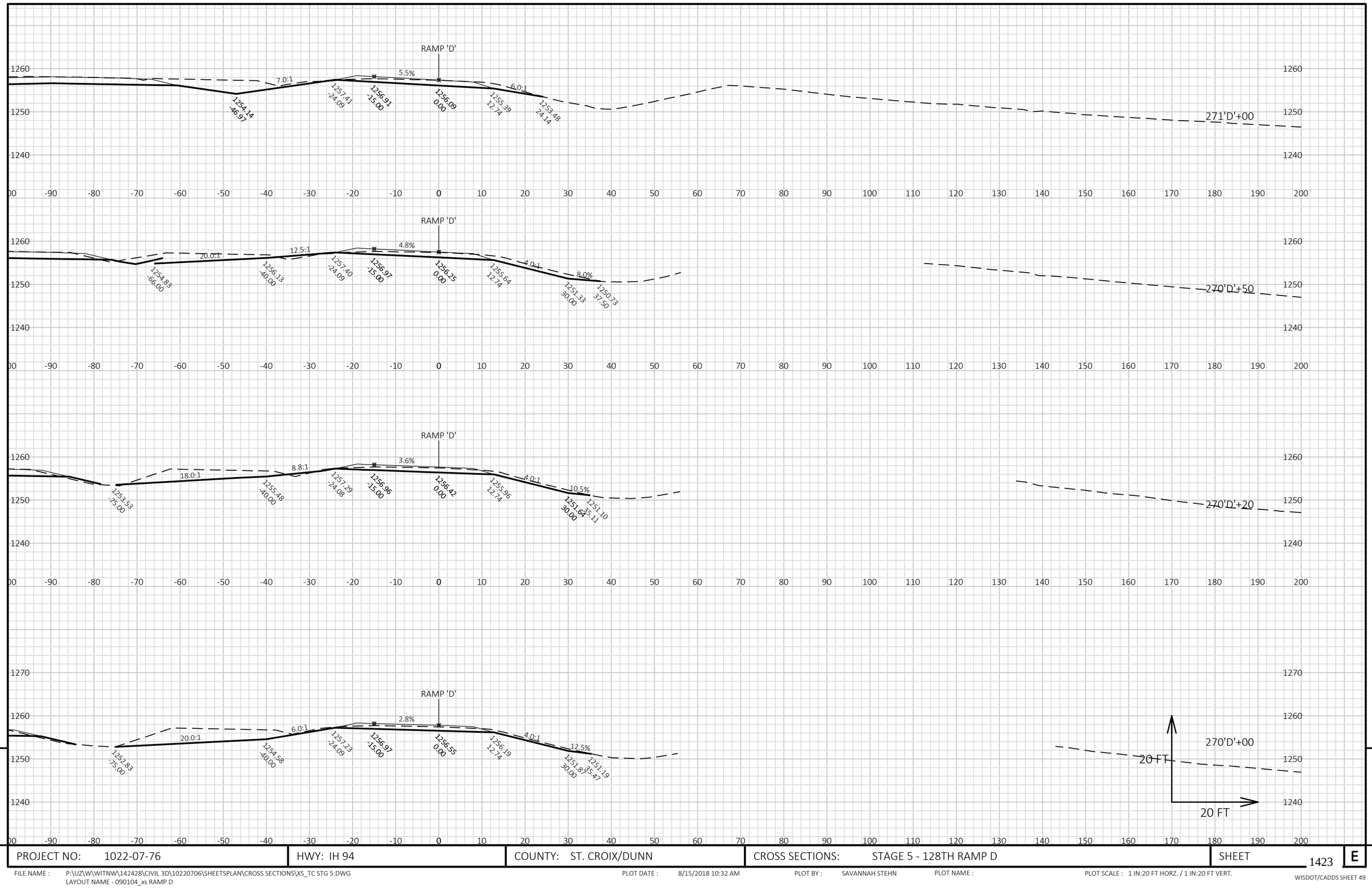
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - 128TH RAMP D	SHEET 1422	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090103_xs RAMP D

PLOT DATE : 8/15/2018 10:32 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

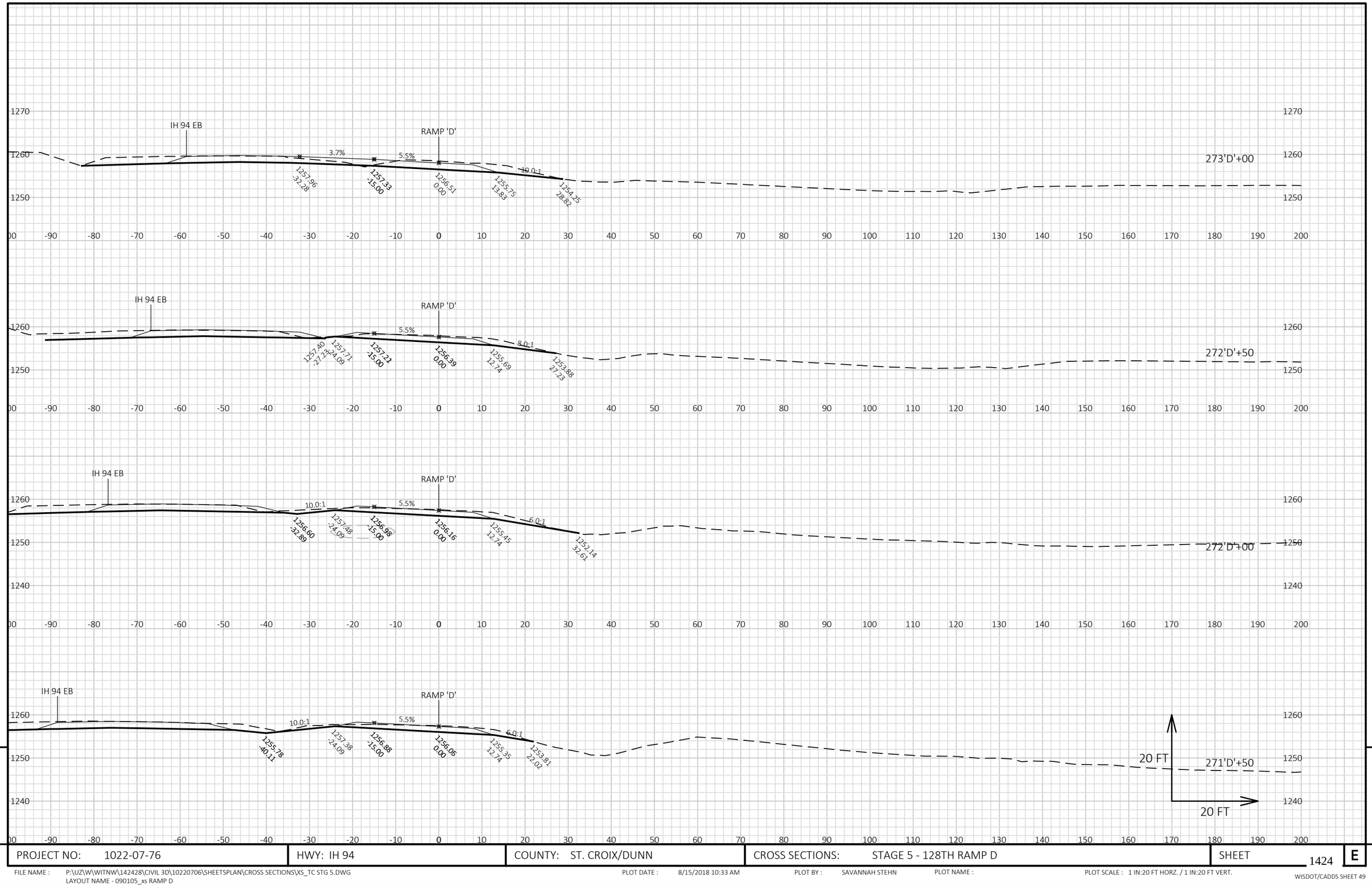


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - 128TH RAMP D	SHEET 1423	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090104_xs RAMP D

PLOT DATE : 8/15/2018 10:32 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

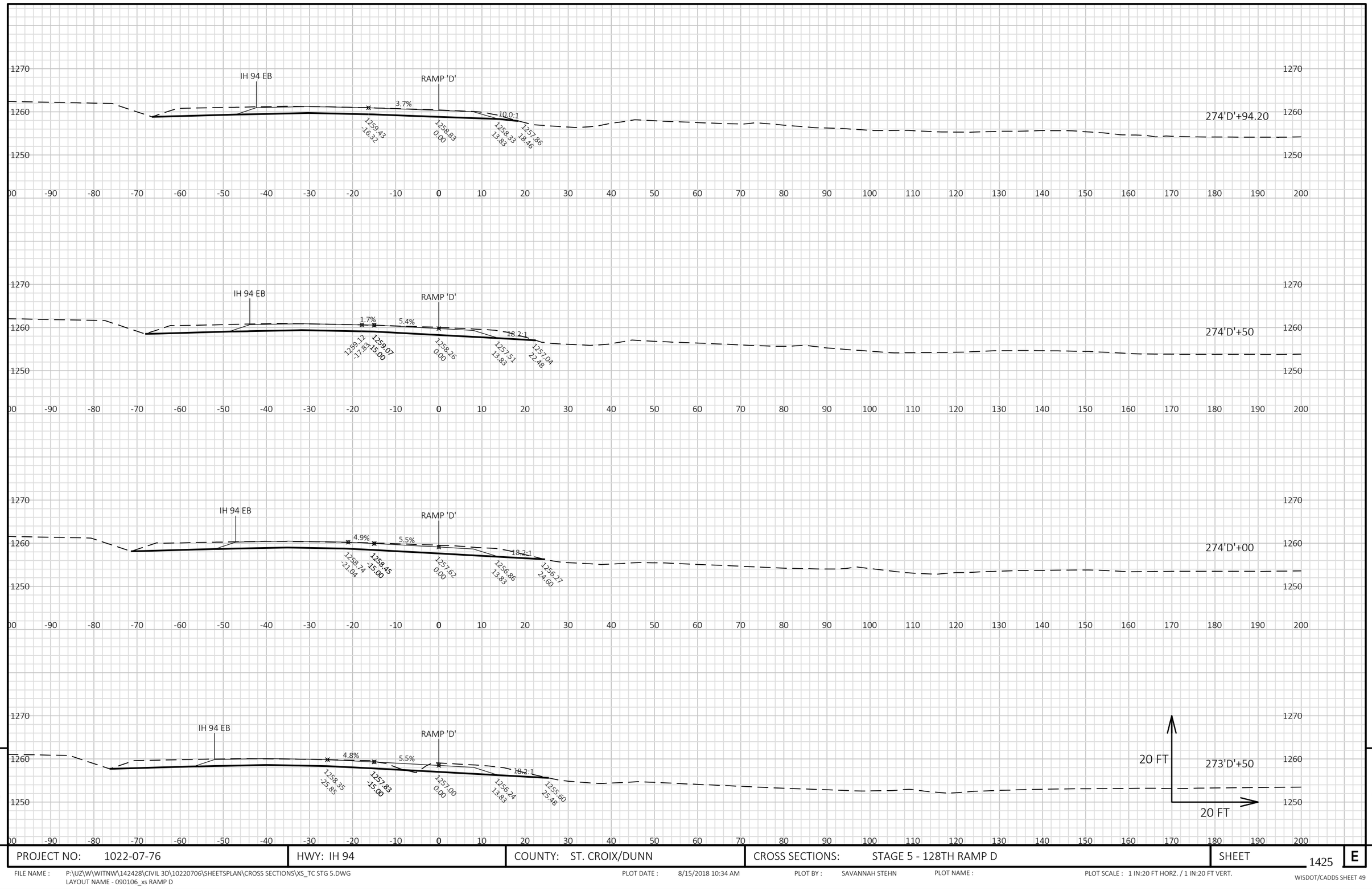


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - 128TH RAMP D	SHEET 1424	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090105_xs RAMP D

PLOT DATE : 8/15/2018 10:33 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



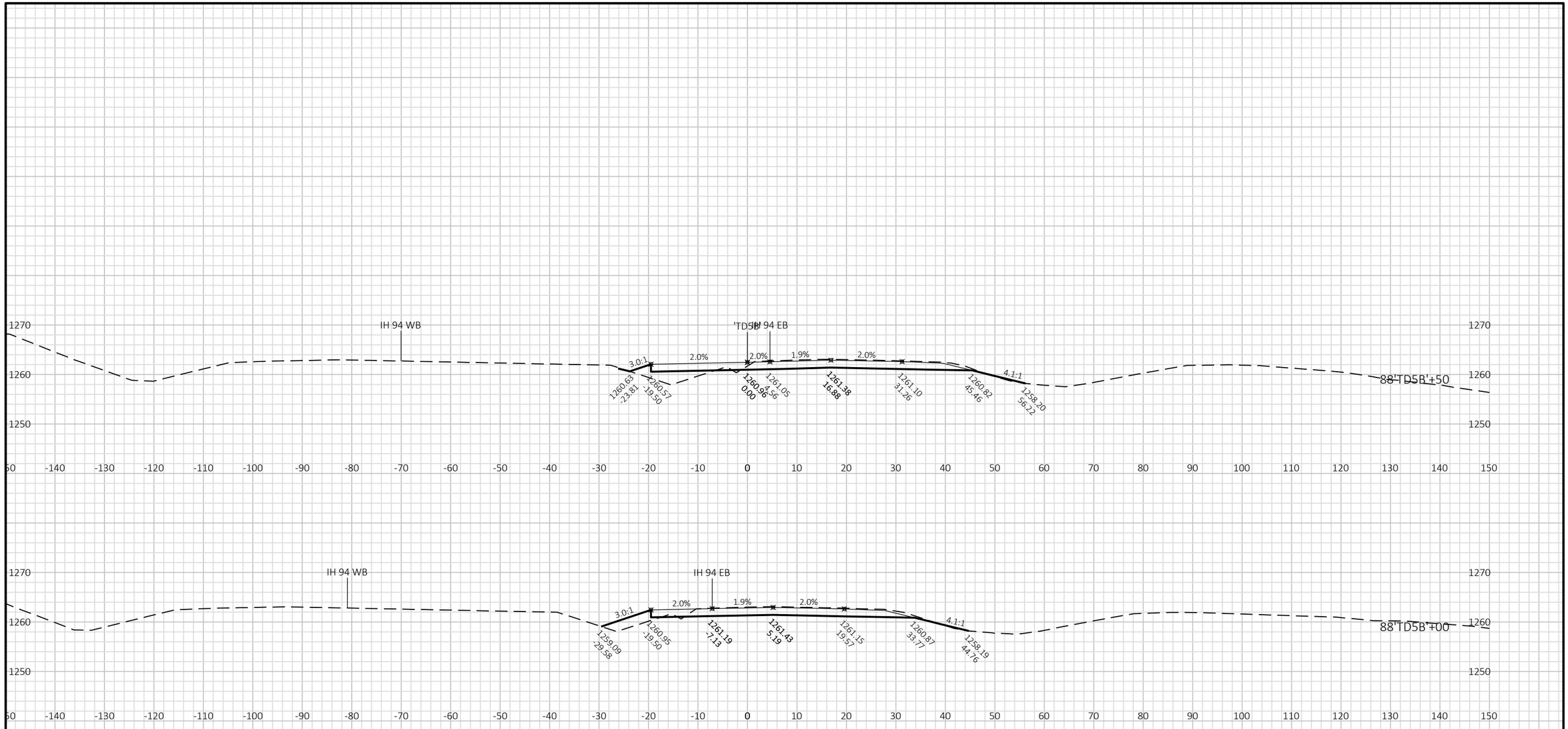
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - 128TH RAMP D	SHEET 1425	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090106_xs RAMP D

PLOT DATE : 8/15/2018 10:34 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



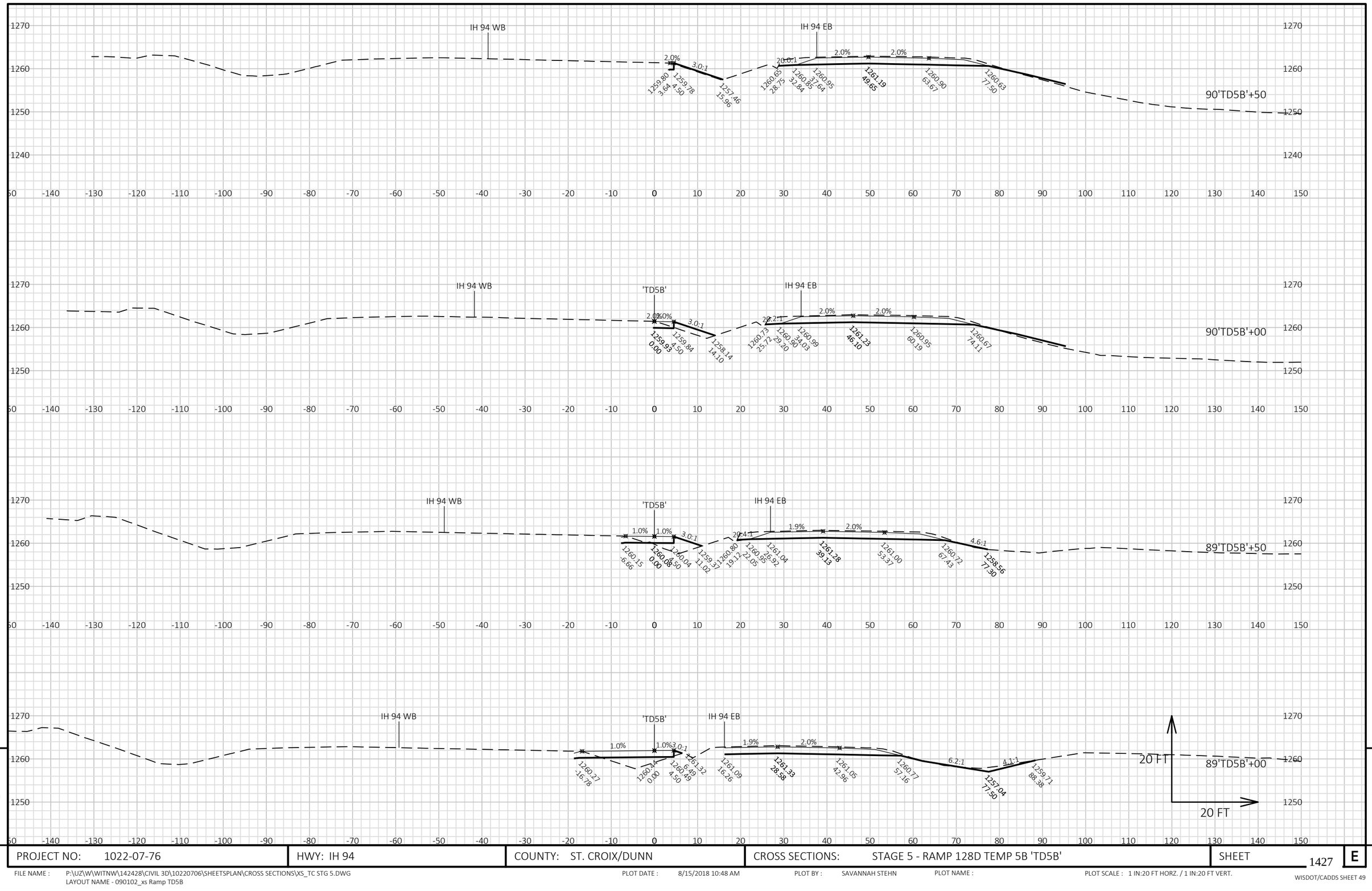
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - RAMP 128D TEMP 5B 'TD5B'	SHEET 1426	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090101_xs Ramp TD5B

PLOT DATE : 8/15/2018 10:48 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



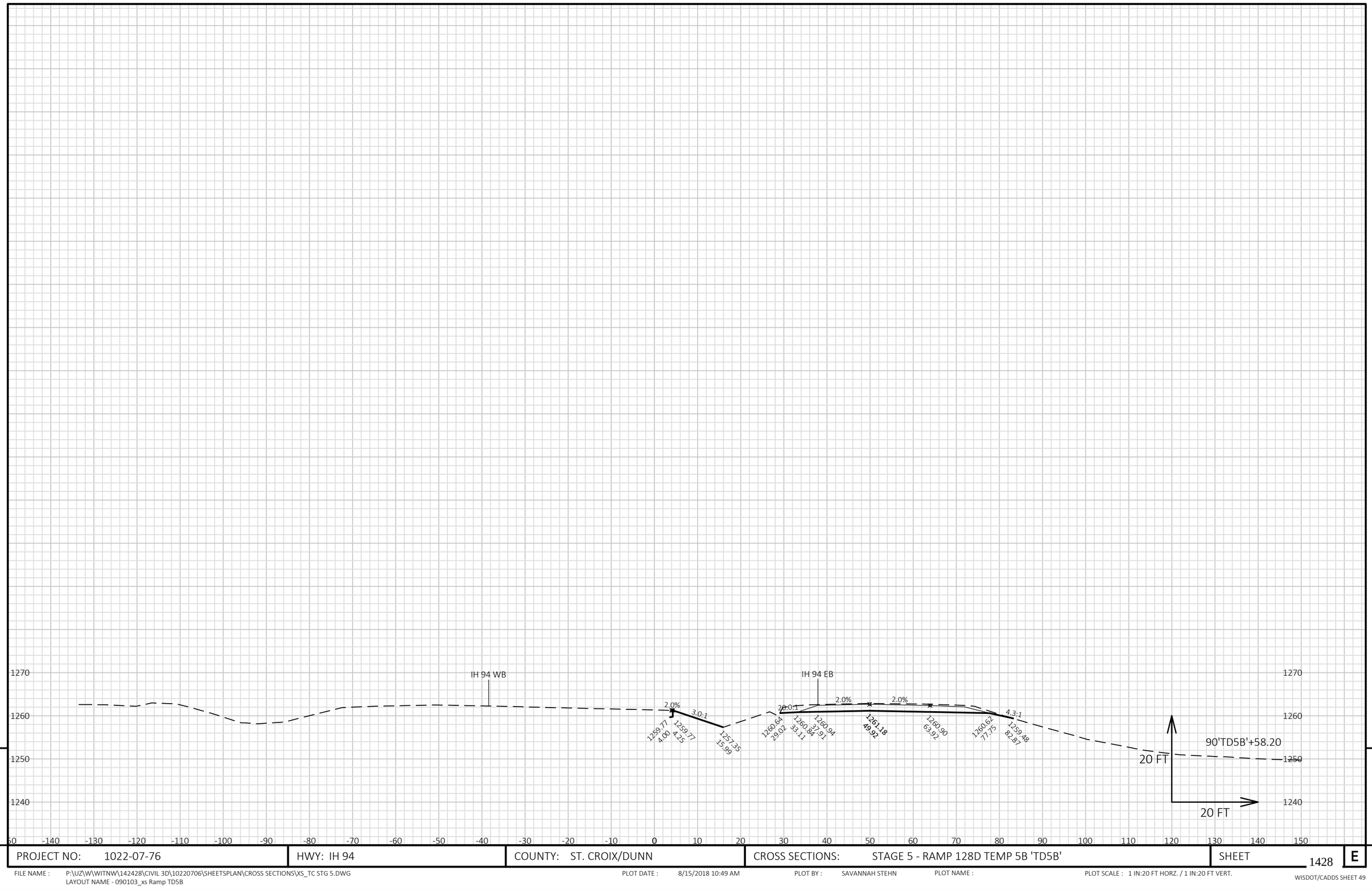
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - RAMP 128D TEMP 5B 'TD5B'	SHEET 1427	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090102_xs Ramp TD5B

PLOT DATE : 8/15/2018 10:48 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



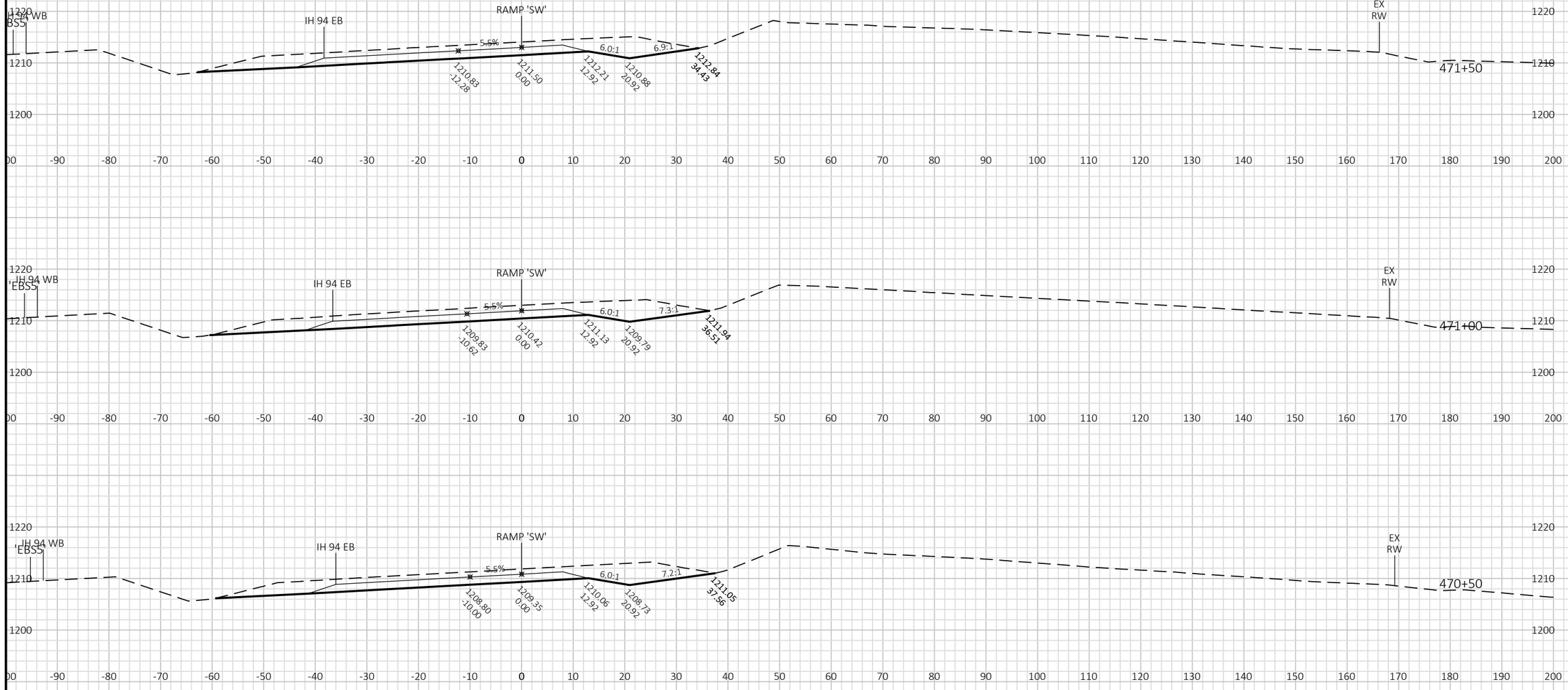
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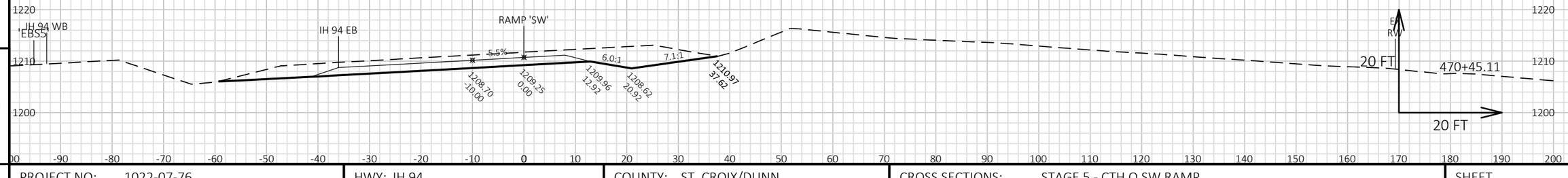
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - RAMP 128D TEMP 5B 'TD5B'	SHEET 1428	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090103_xs Ramp TD5B

PLOT DATE : 8/15/2018 10:49 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





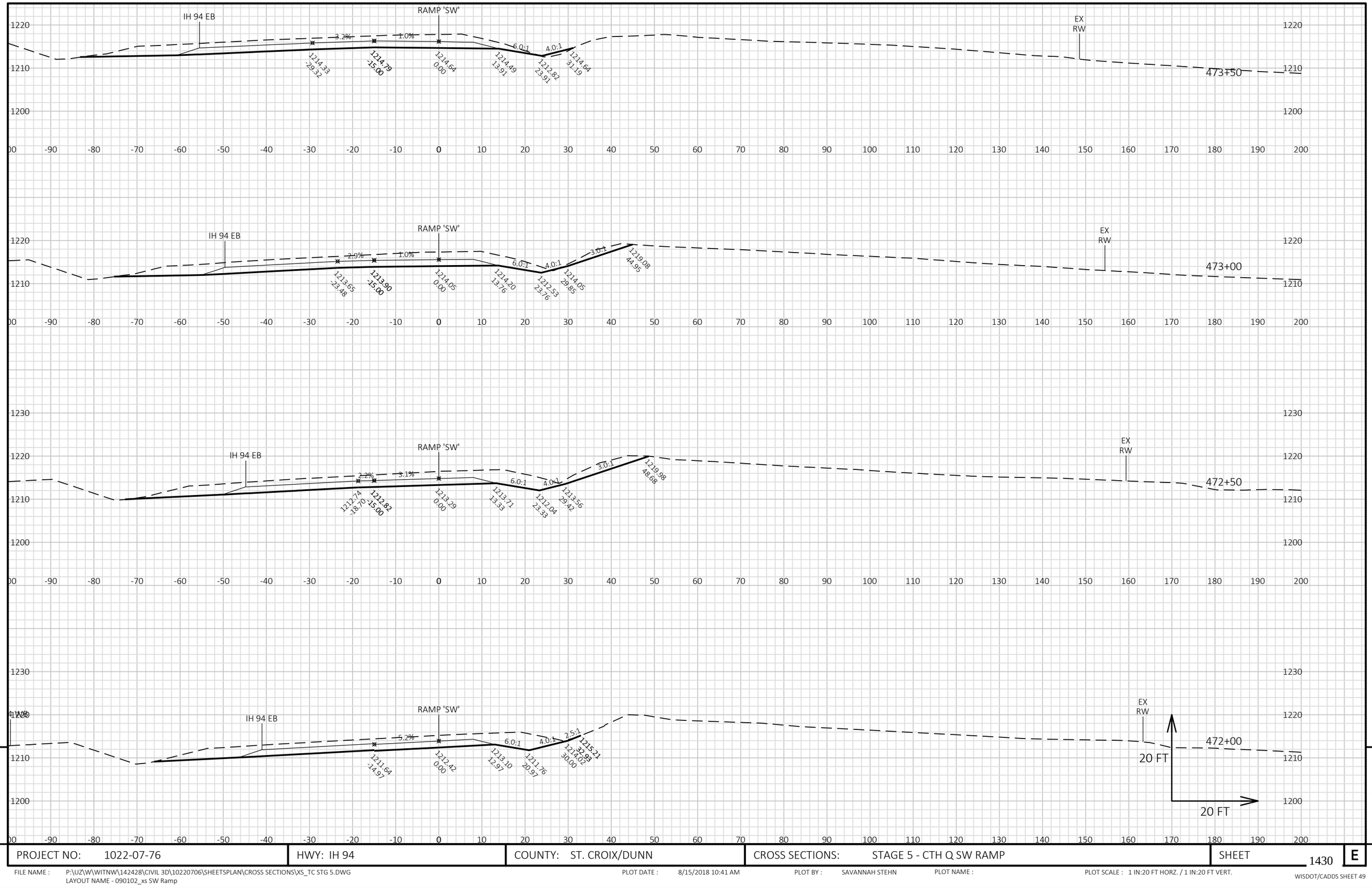
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - CTH Q SW RAMP	SHEET 1429	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090101_xs SW Ramp

PLOT DATE : 8/15/2018 10:40 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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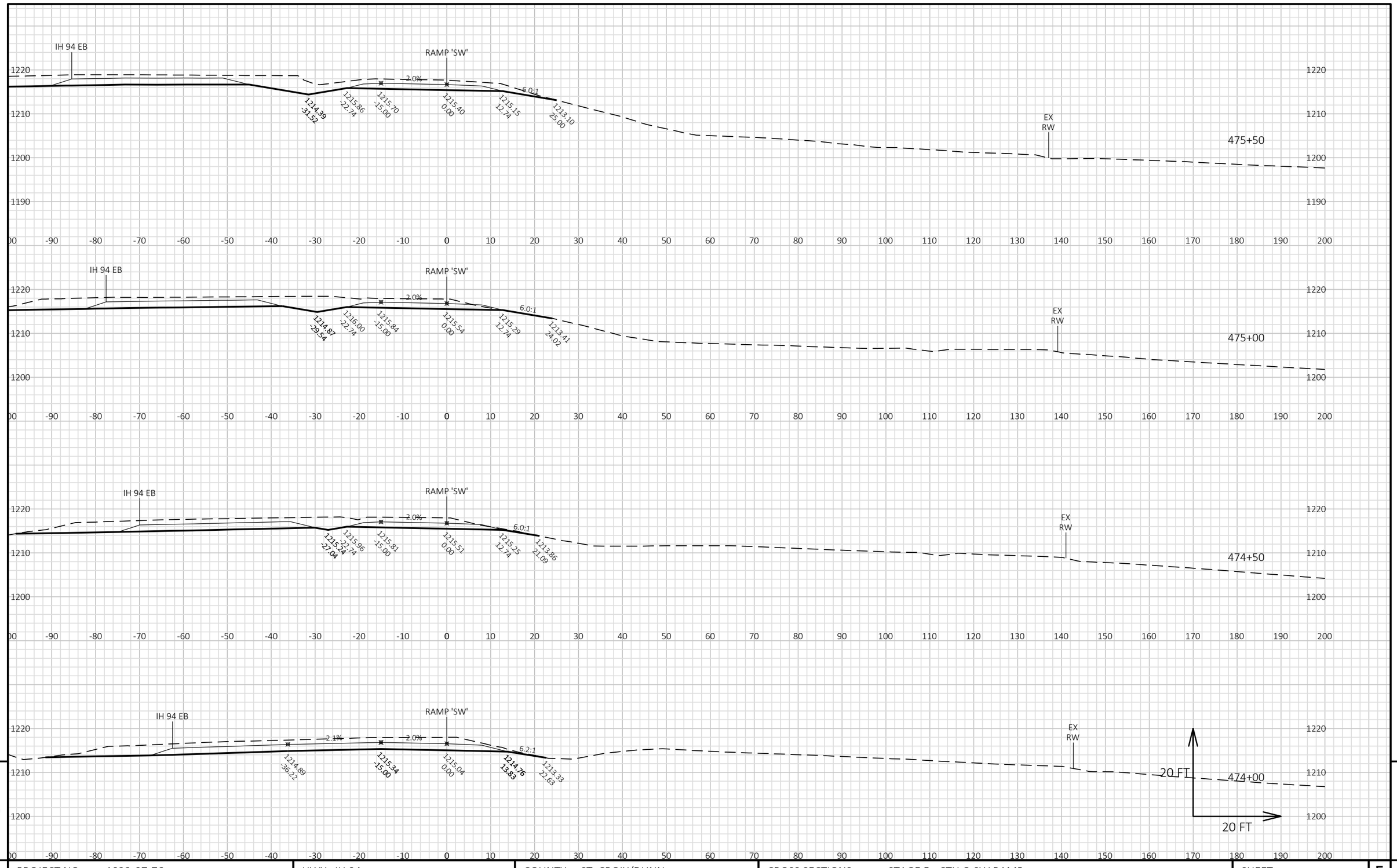
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - CTH Q SW RAMP	SHEET 1430 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090102_xs SW Ramp

PLOT DATE : 8/15/2018 10:41 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



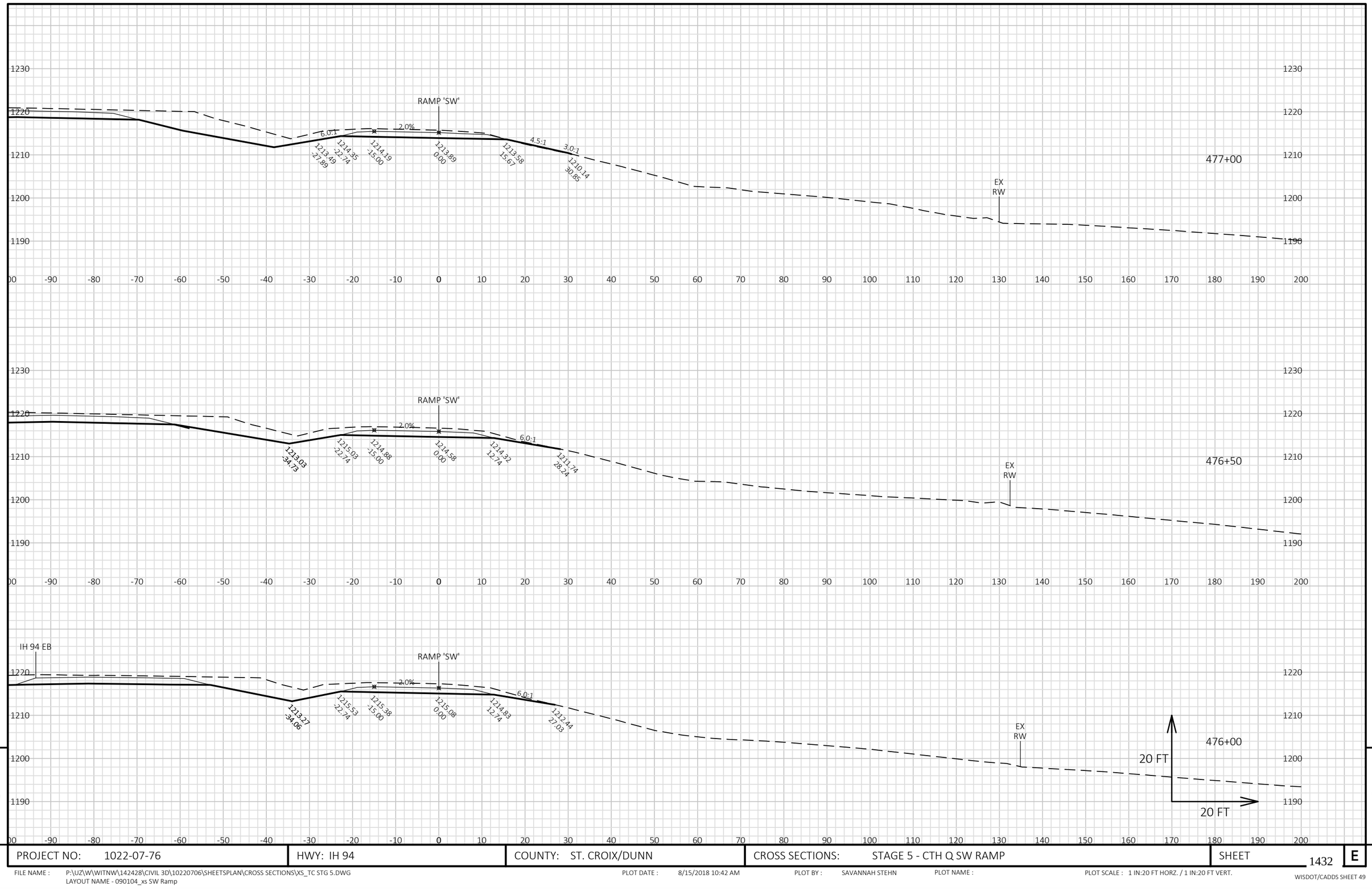
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - CTH Q SW RAMP	SHEET 1431	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090103_xs SW Ramp

PLOT DATE : 8/15/2018 10:42 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



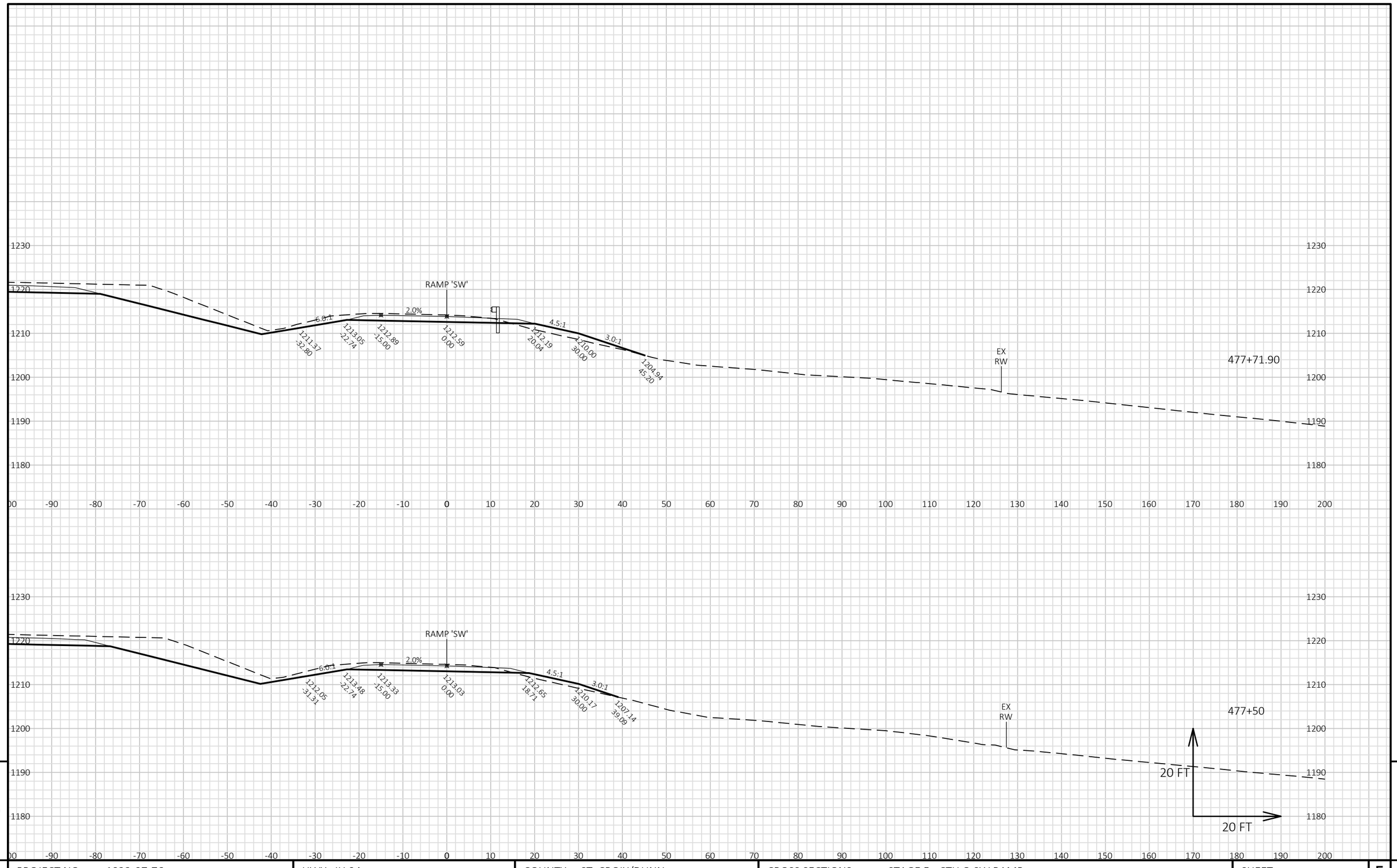
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - CTH Q SW RAMP	SHEET 1432	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090104_xs SW Ramp

PLOT DATE : 8/15/2018 10:42 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



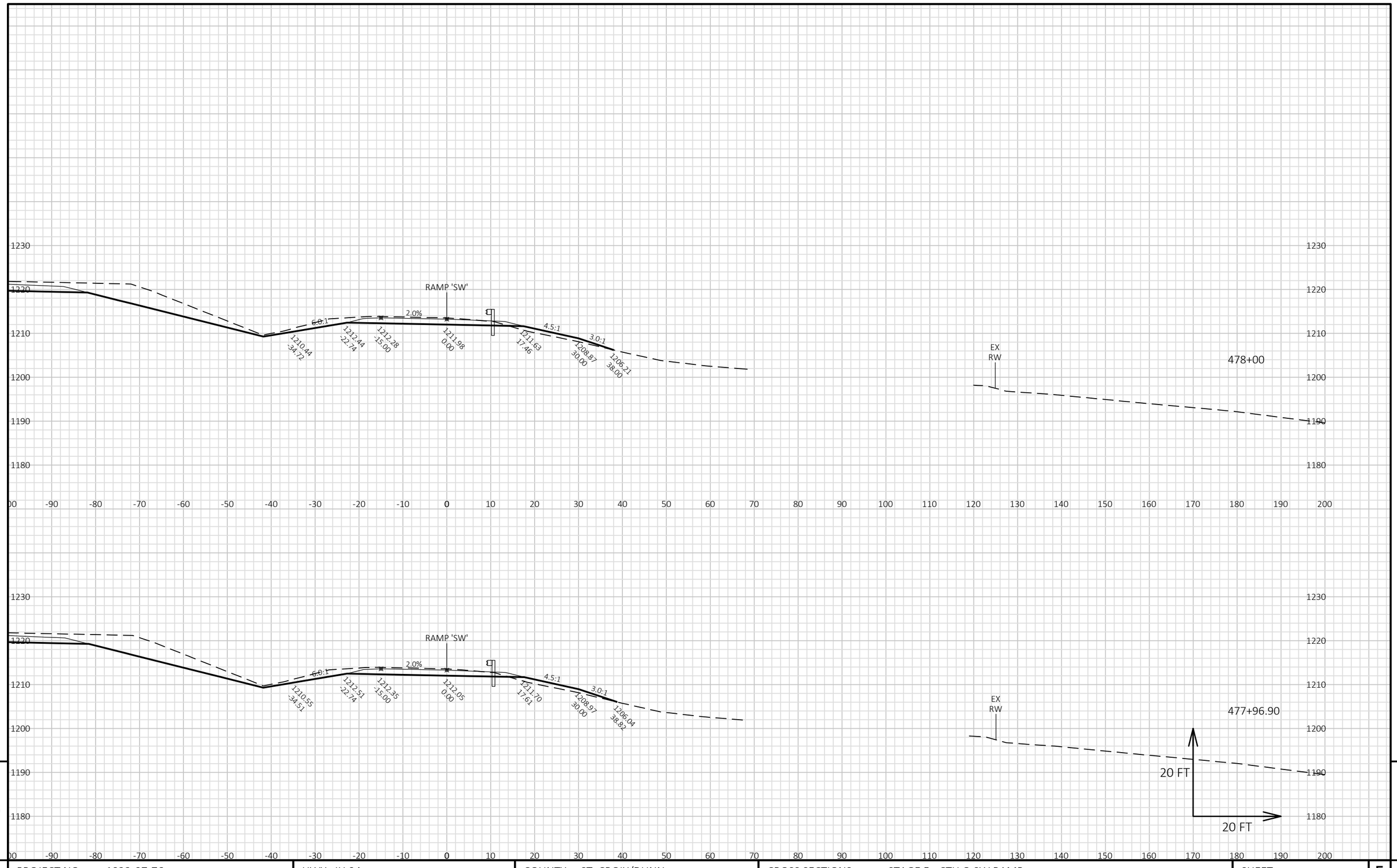
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - CTH Q SW RAMP	SHEET 1433	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090105_xs SW Ramp

PLOT DATE : 8/15/2018 10:43 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

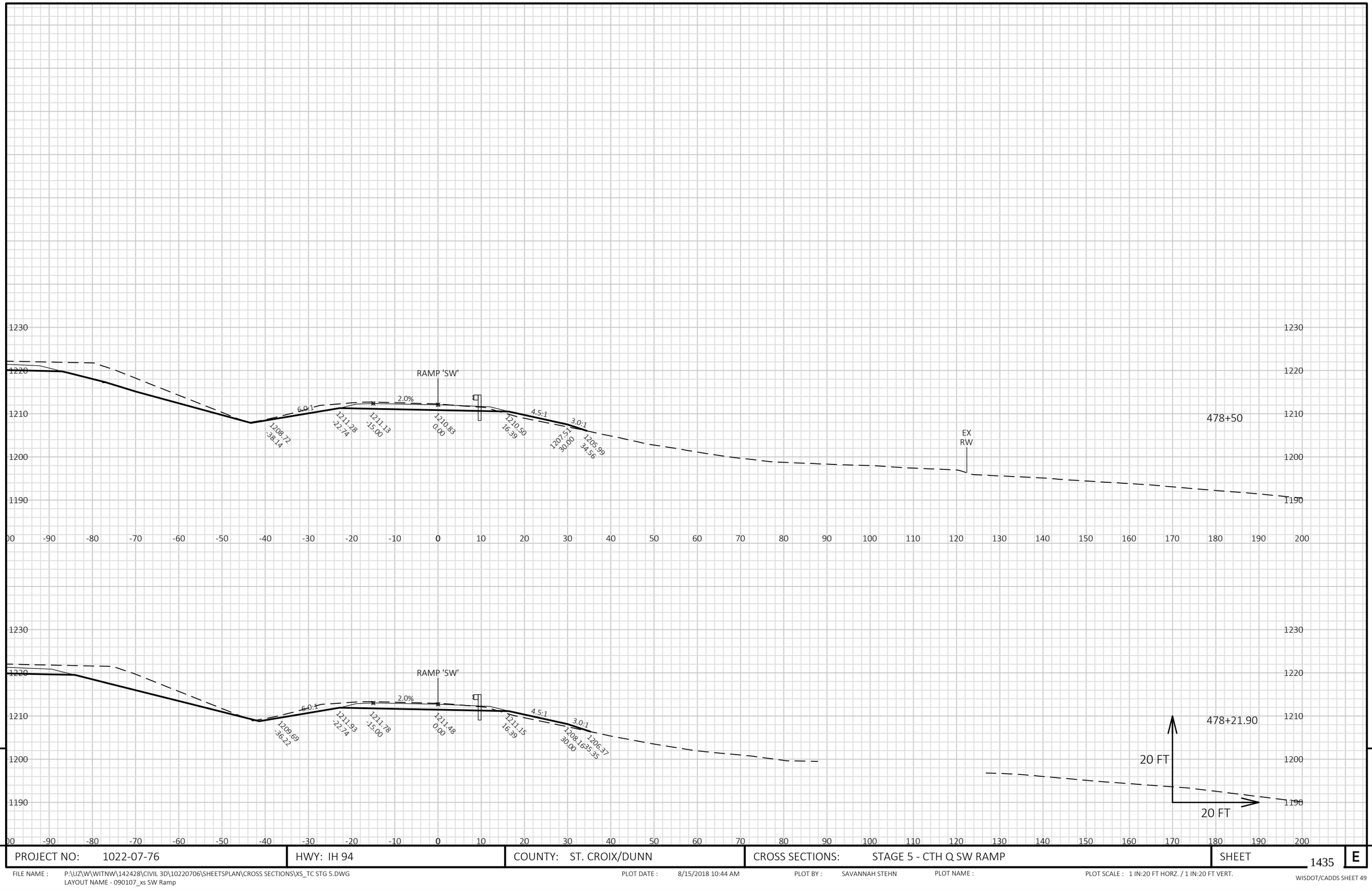


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - CTH Q SW RAMP	SHEET 1434	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090106_xs SW Ramp

PLOT DATE : 8/15/2018 10:44 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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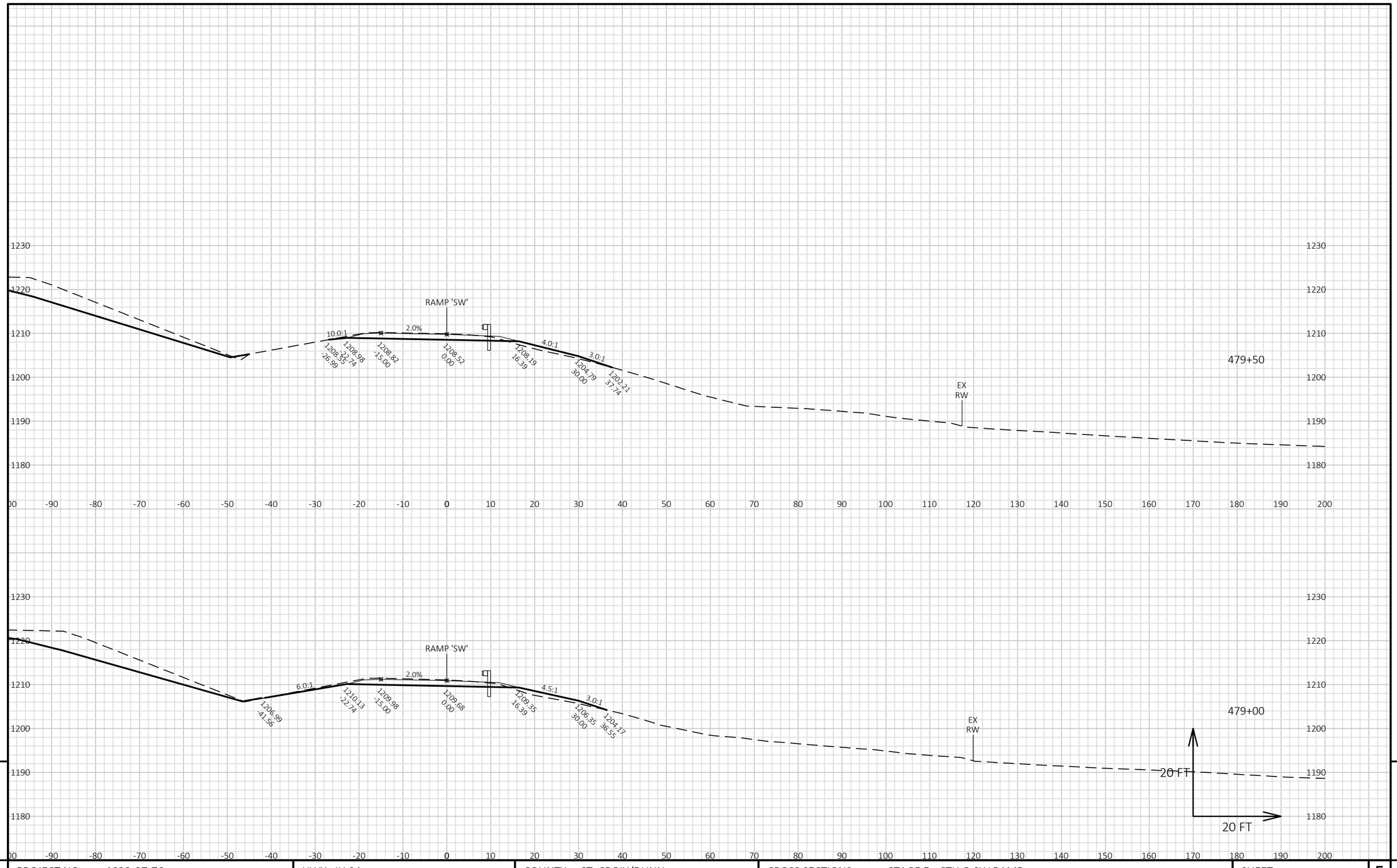
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - CTH Q SW RAMP	SHEET 1435	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090107_xs SW Ramp

PLOT DATE : 8/15/2018 10:44 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

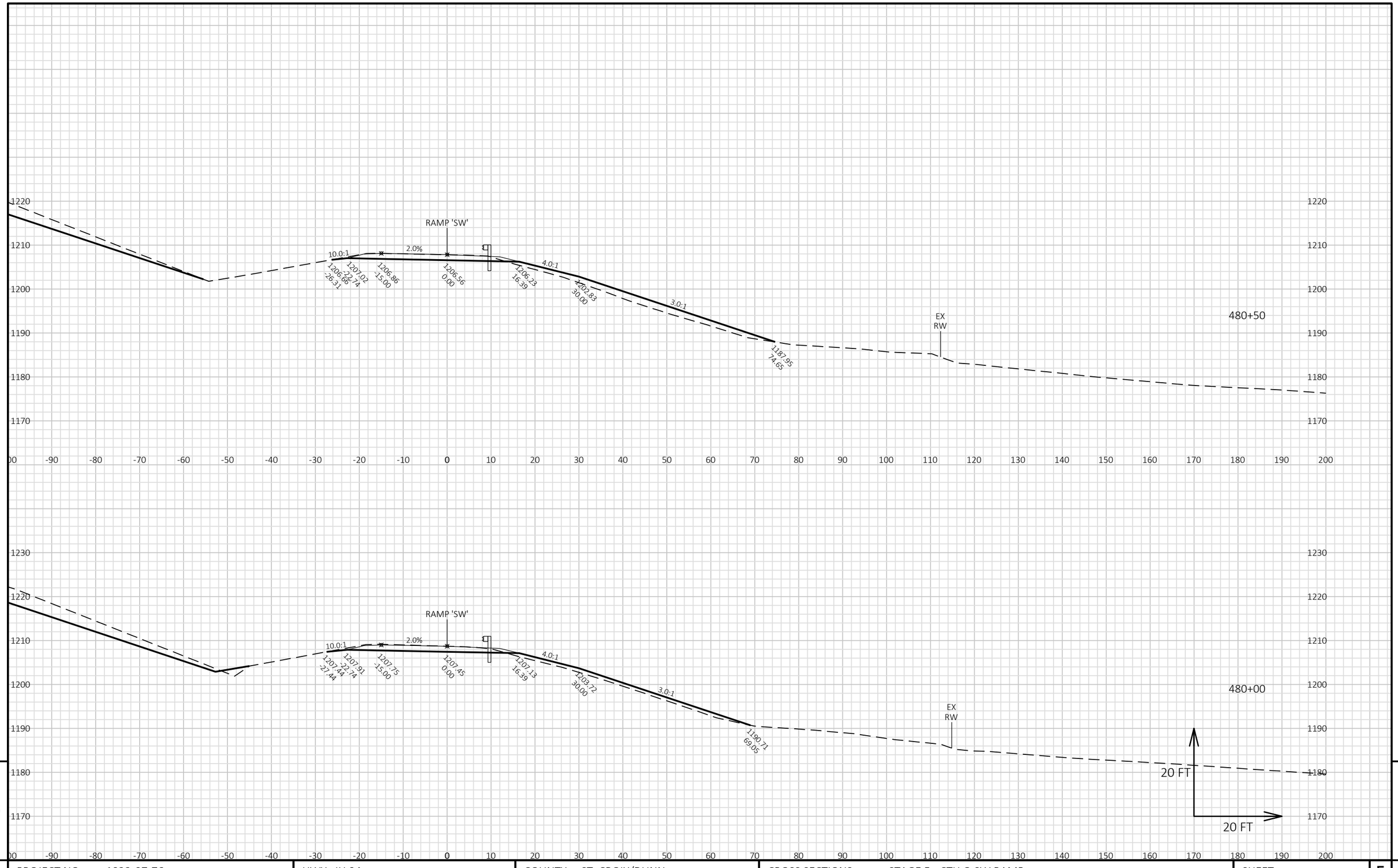


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - CTH Q SW RAMP	SHEET 1436	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090108_xs SW Ramp

PLOT DATE : 8/15/2018 10:45 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

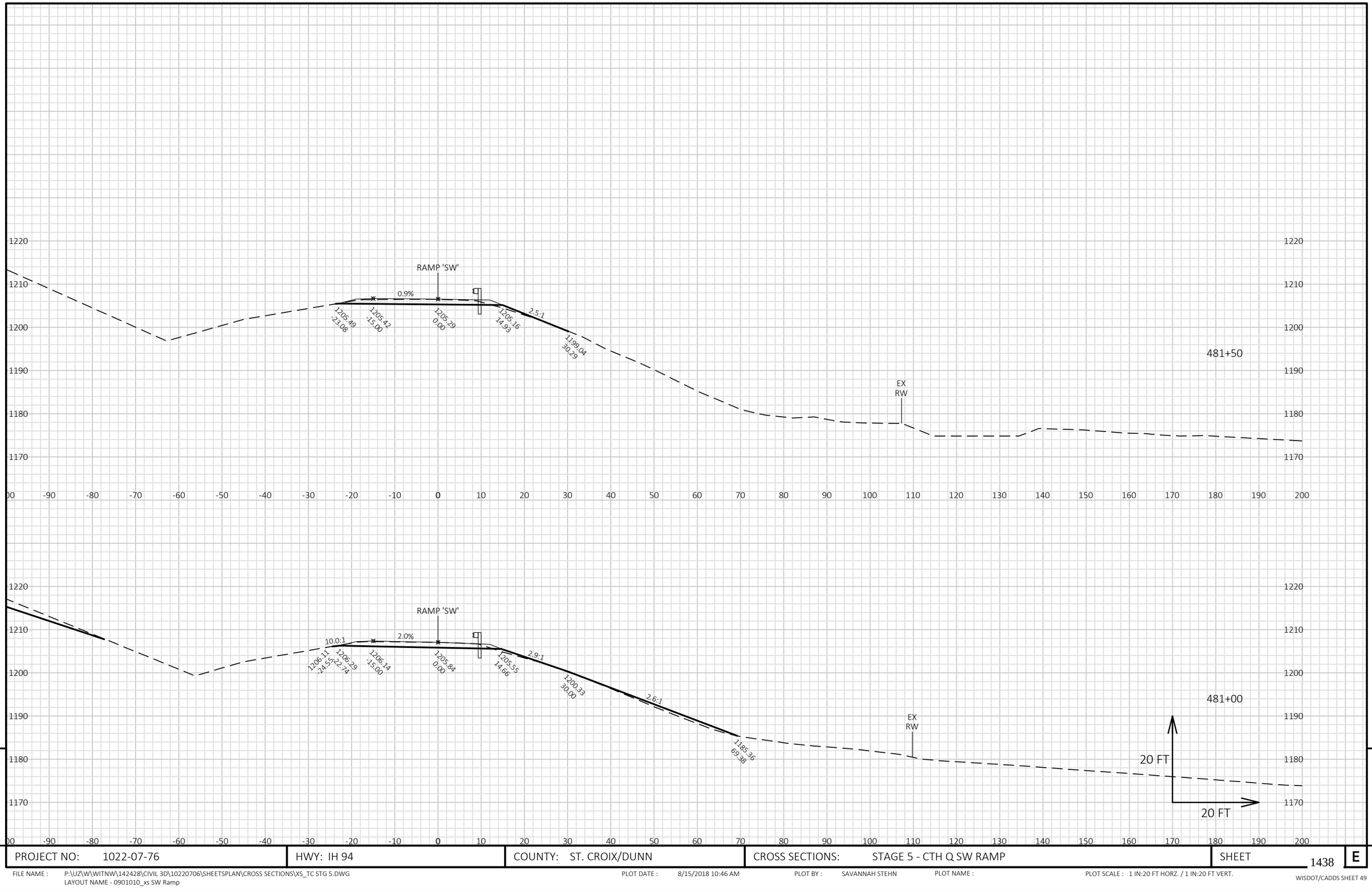


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - CTH Q SW RAMP	SHEET 1437	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090109_xs SW Ramp

PLOT DATE : 8/15/2018 10:45 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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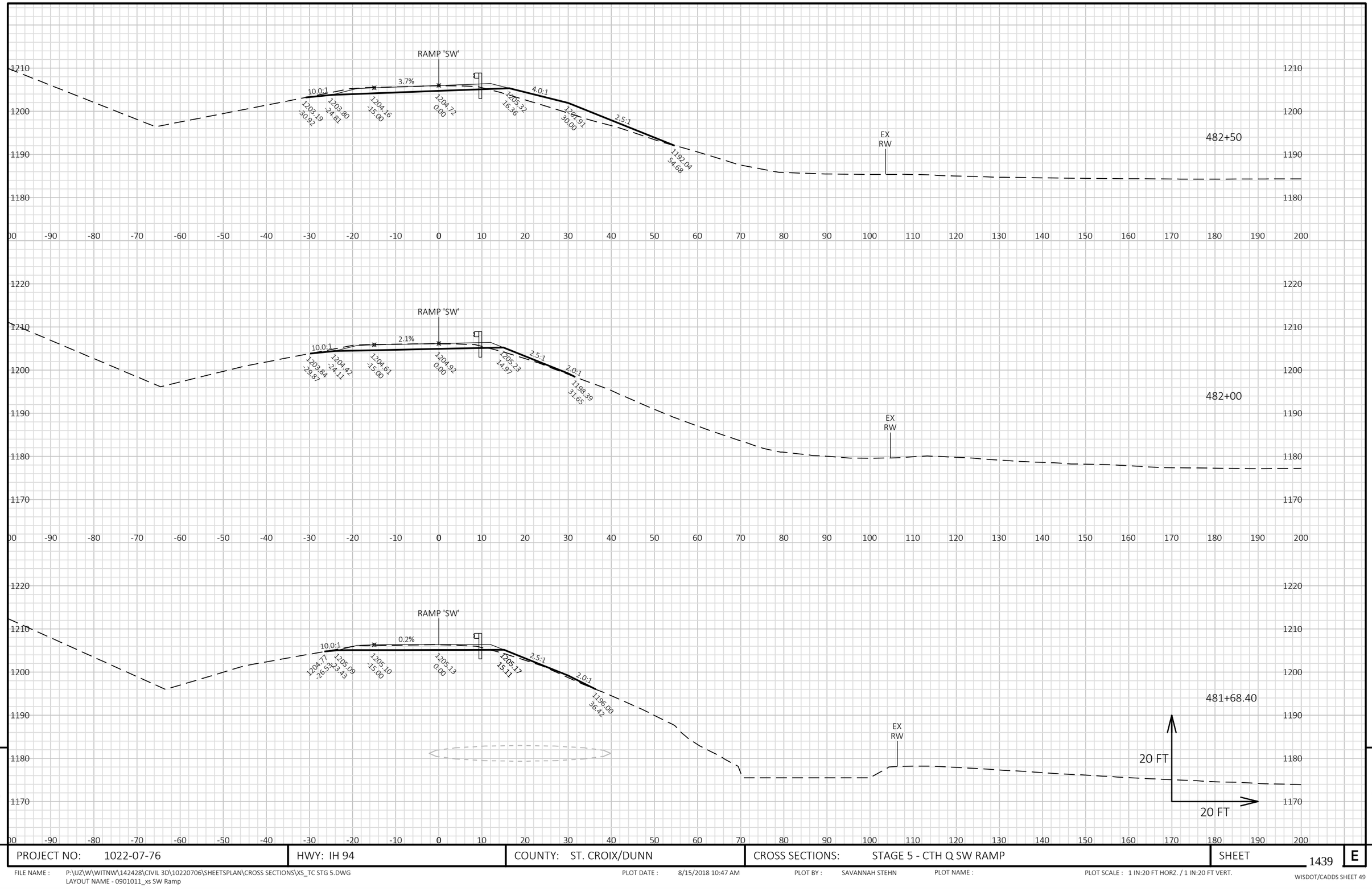
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - CTH Q SW RAMP	SHEET 1438 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 0901010_xs SW Ramp

PLOT DATE : 8/15/2018 10:46 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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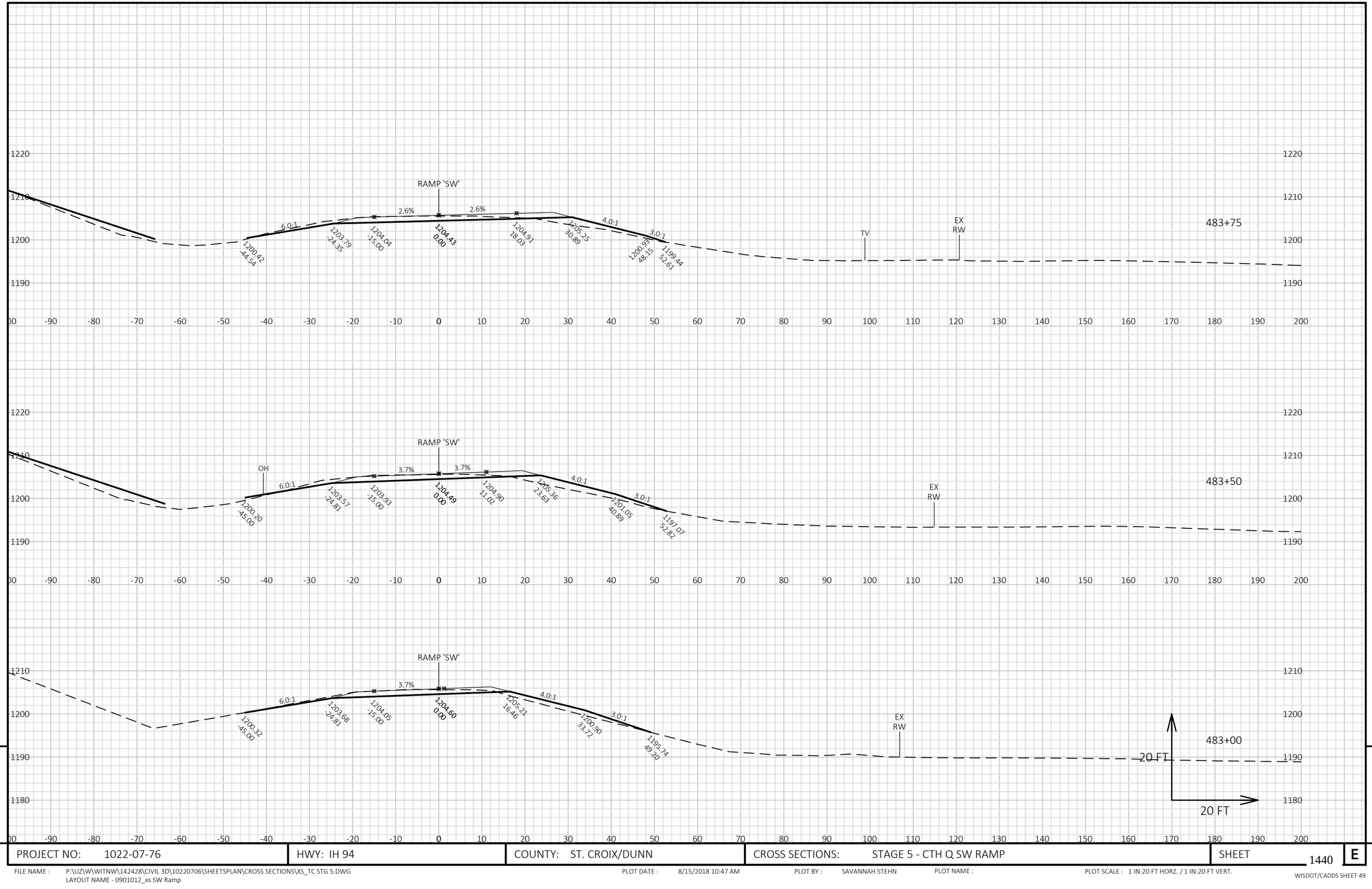
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - CTH Q SW RAMP	SHEET 1439	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 0901011_xs SW Ramp

PLOT DATE : 8/15/2018 10:47 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



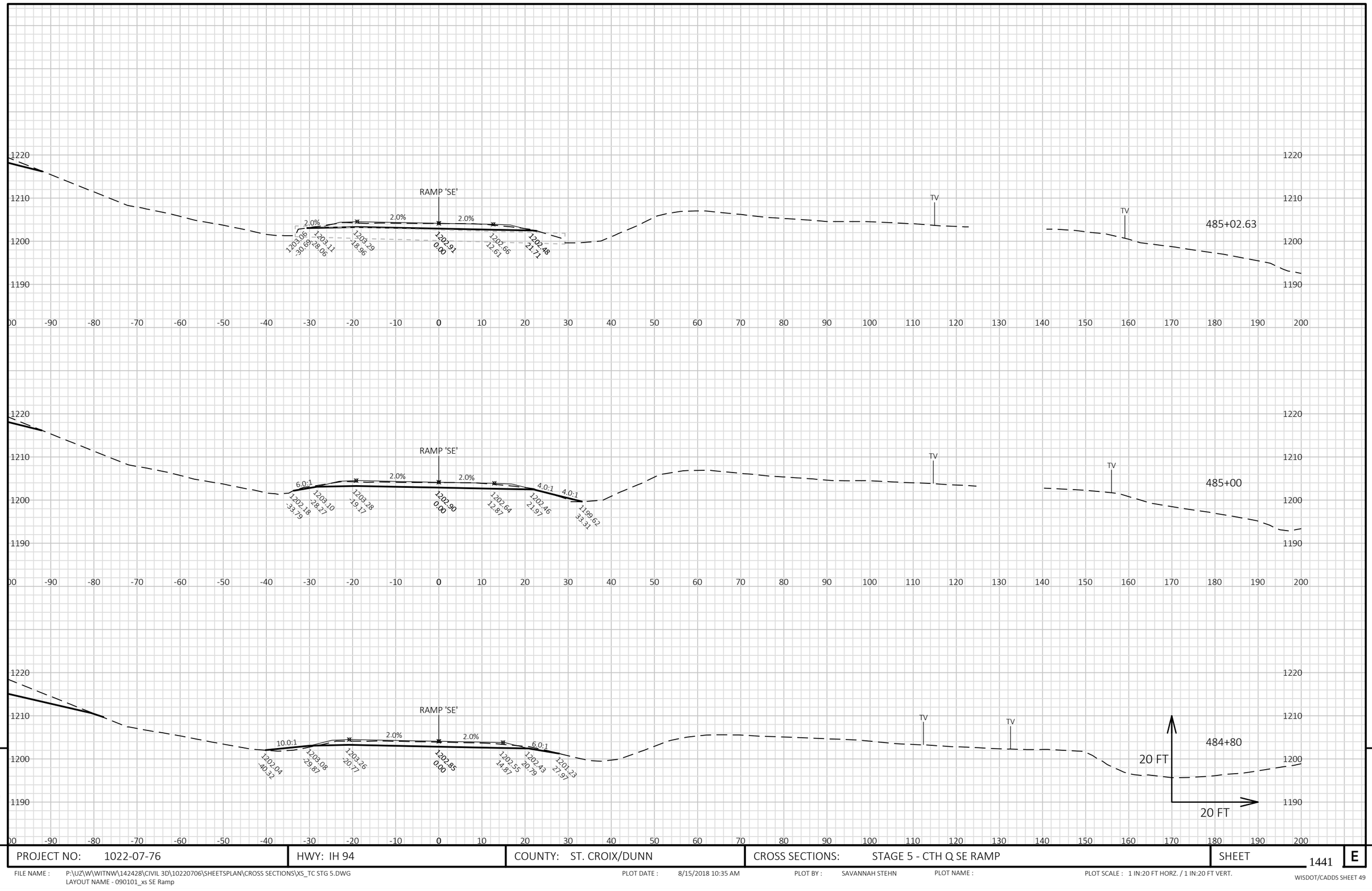
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - CTH Q SW RAMP	SHEET 1440	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 0901012_xs SW Ramp

PLOT DATE : 8/15/2018 10:47 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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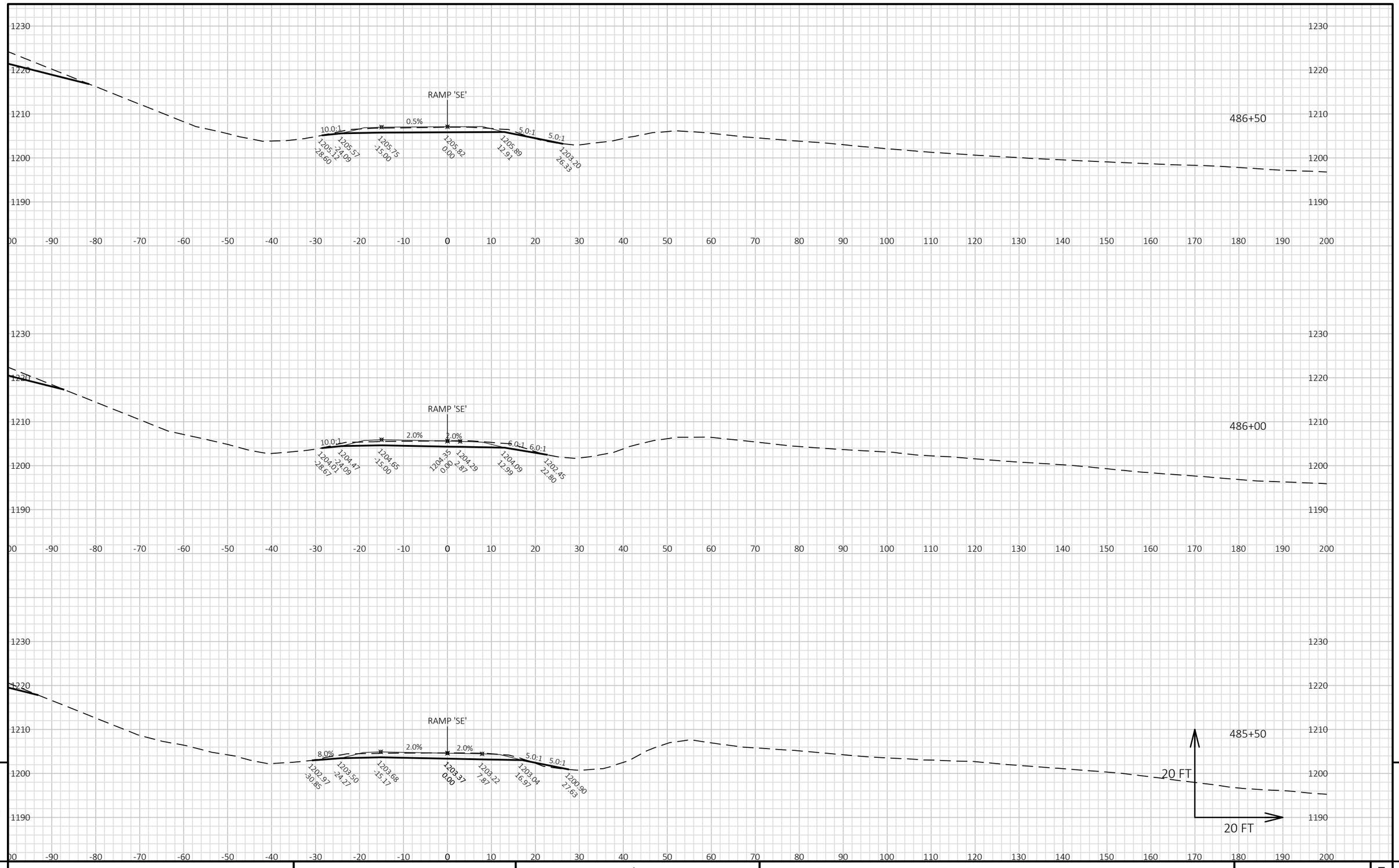
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - CTH Q SE RAMP	SHEET 1441	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090101_xs SE Ramp

PLOT DATE : 8/15/2018 10:35 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



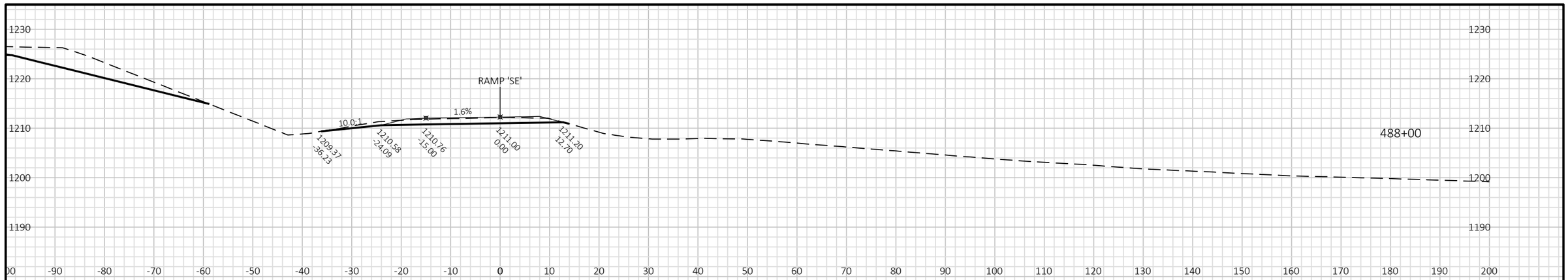
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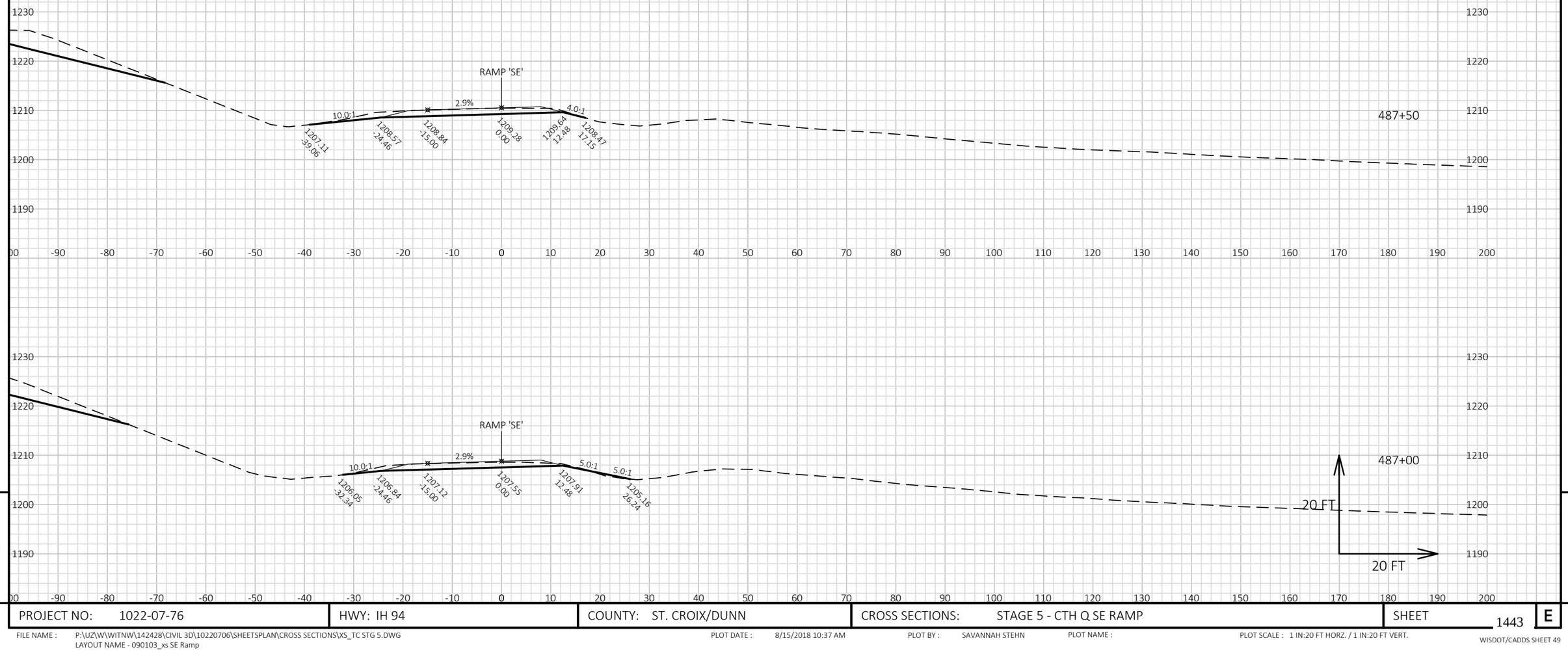
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - CTH Q SE RAMP	SHEET 1442	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090102_xs SE Ramp

PLOT DATE : 8/15/2018 10:36 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





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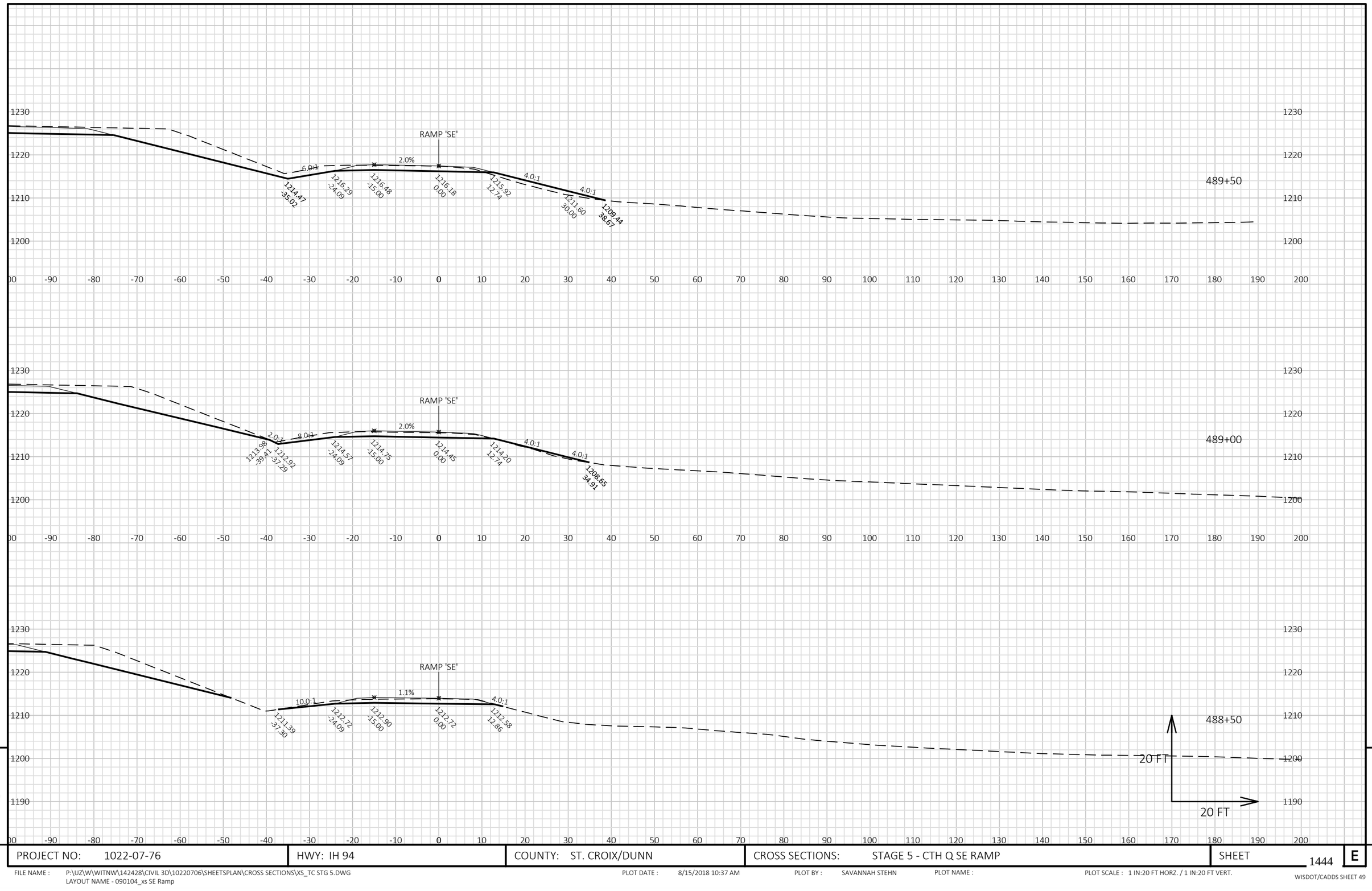
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - CTH Q SE RAMP	SHEET 1443	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090103_xs SE Ramp

PLOT DATE : 8/15/2018 10:37 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



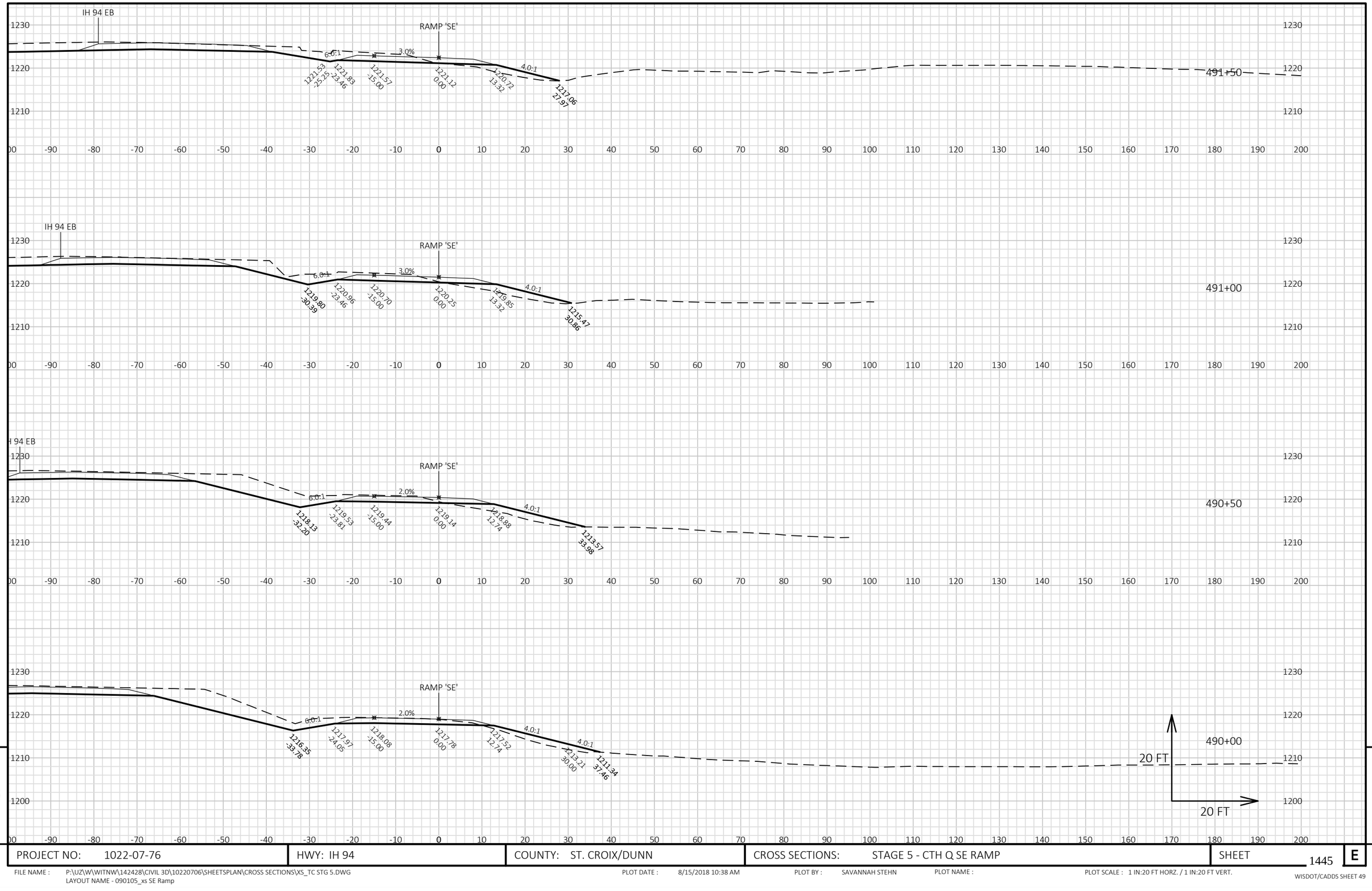
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - CTH Q SE RAMP	SHEET 1444	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090104_xs SE Ramp

PLOT DATE : 8/15/2018 10:37 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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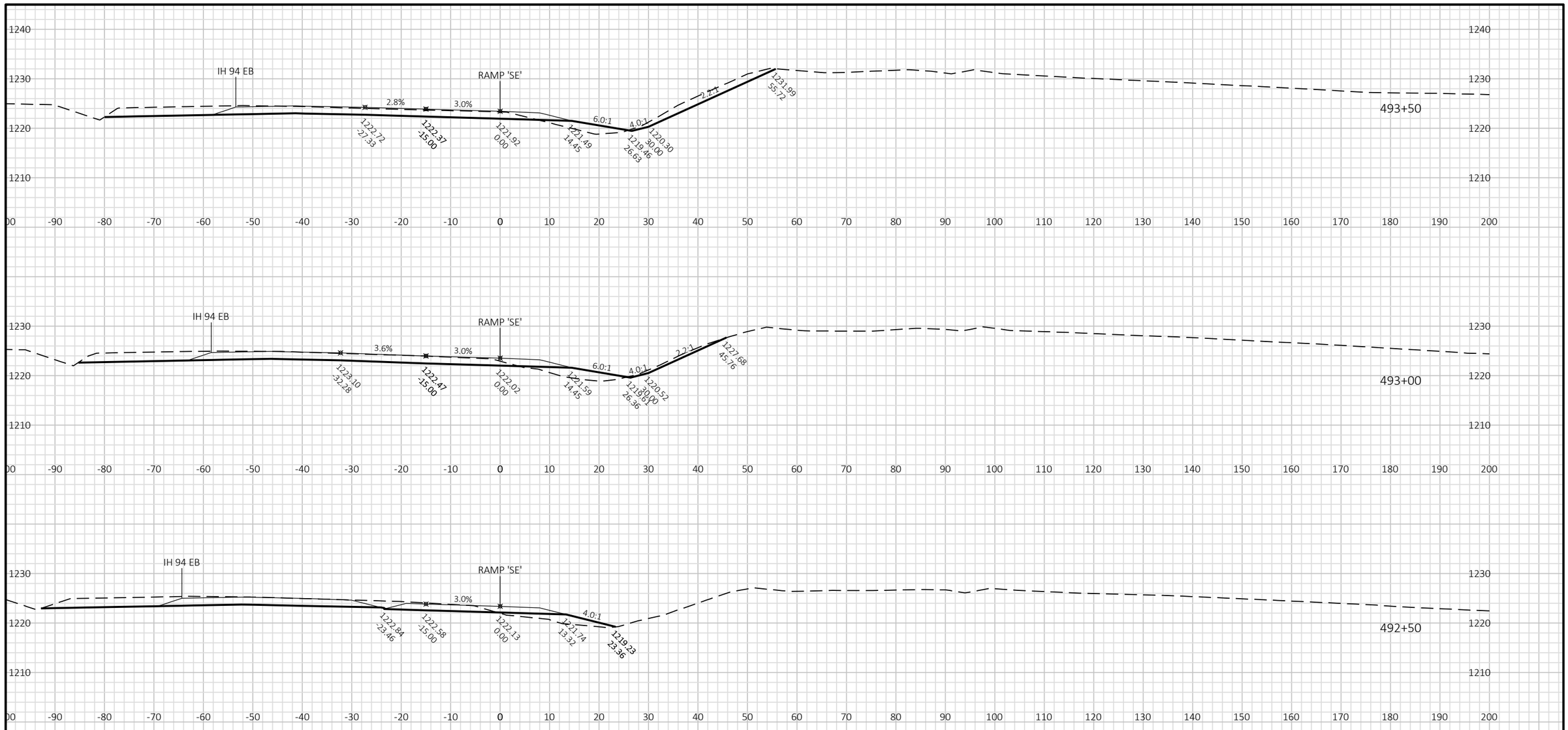
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - CTH Q SE RAMP	SHEET 1445 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090105_xs SE Ramp

PLOT DATE : 8/15/2018 10:38 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



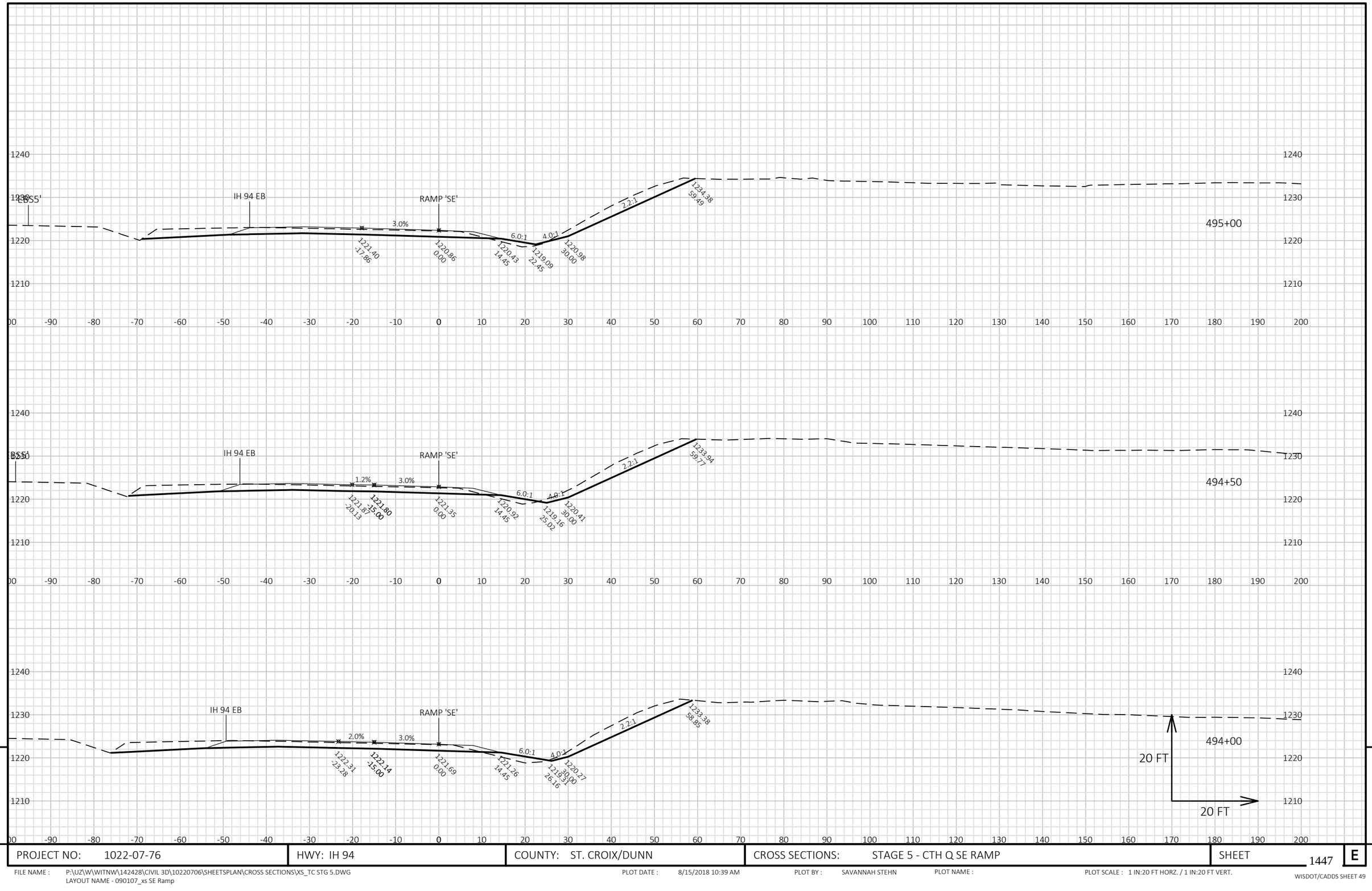
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - CTH Q SE RAMP	SHEET 1446	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090106_xs SE Ramp

PLOT DATE : 8/15/2018 10:38 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



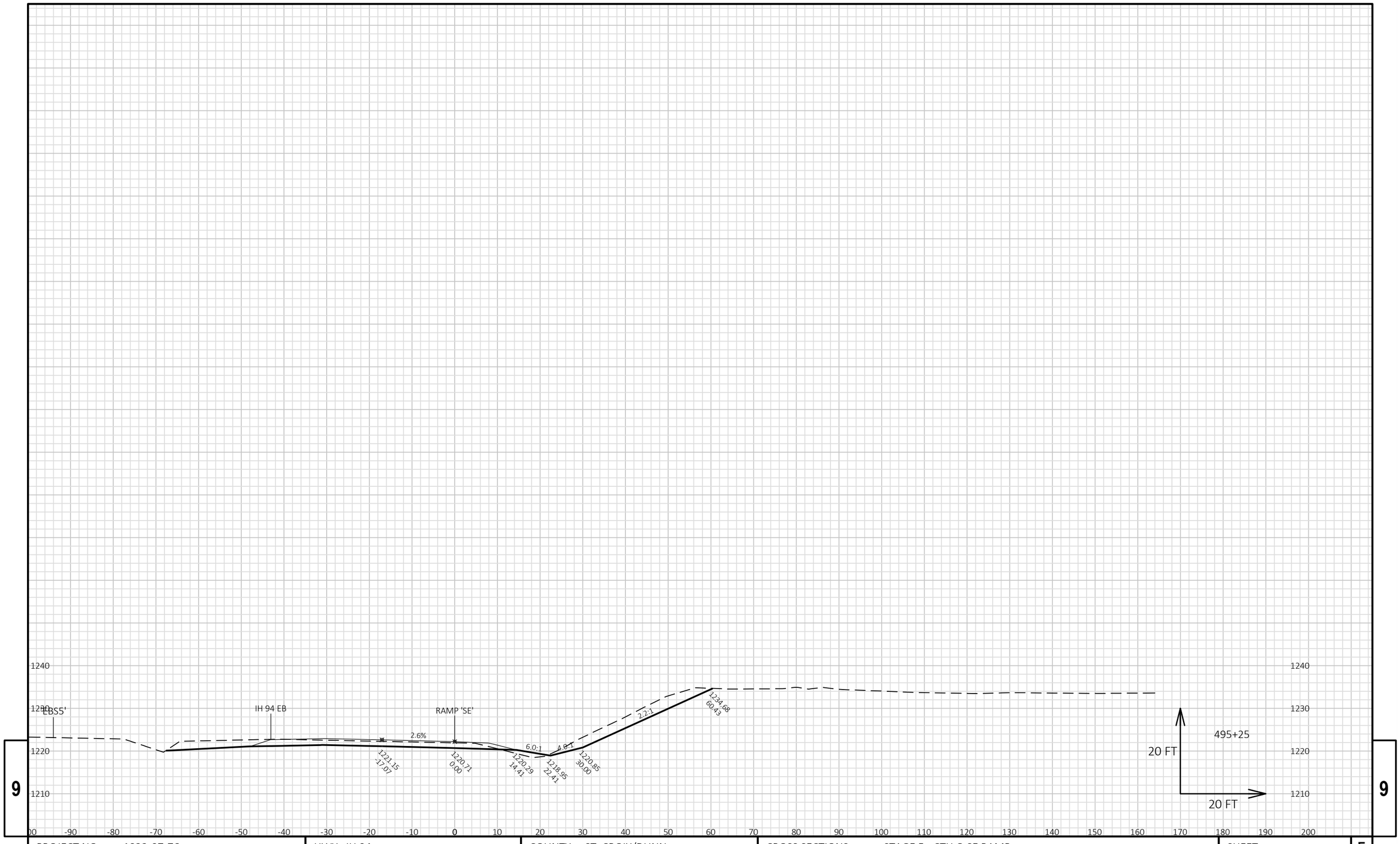
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - CTH Q SE RAMP	SHEET 1447	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090107_xs SE Ramp

PLOT DATE : 8/15/2018 10:39 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



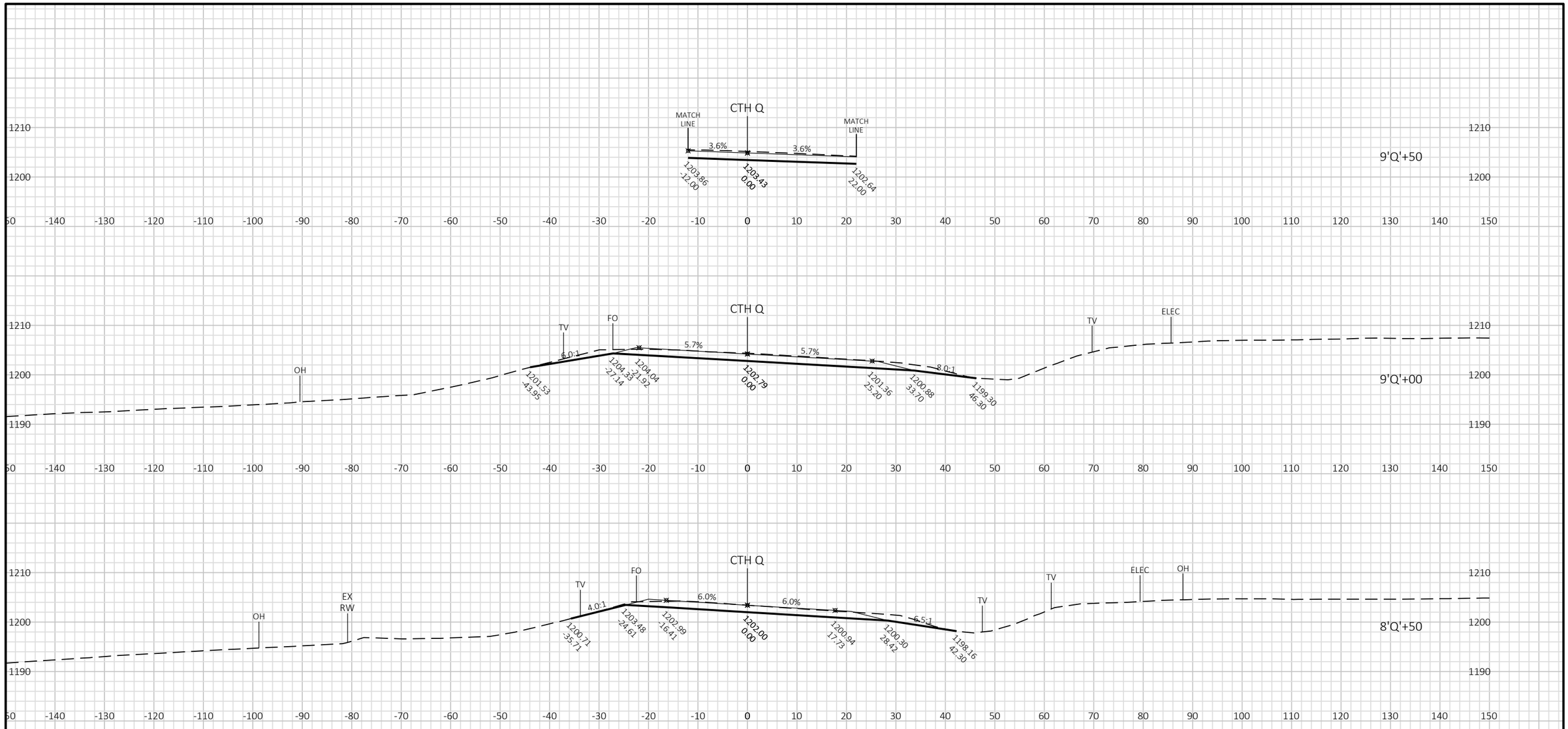
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - CTH Q SE RAMP	SHEET 1448	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5.DWG
LAYOUT NAME - 090108_xs SE Ramp

PLOT DATE : 8/15/2018 10:40 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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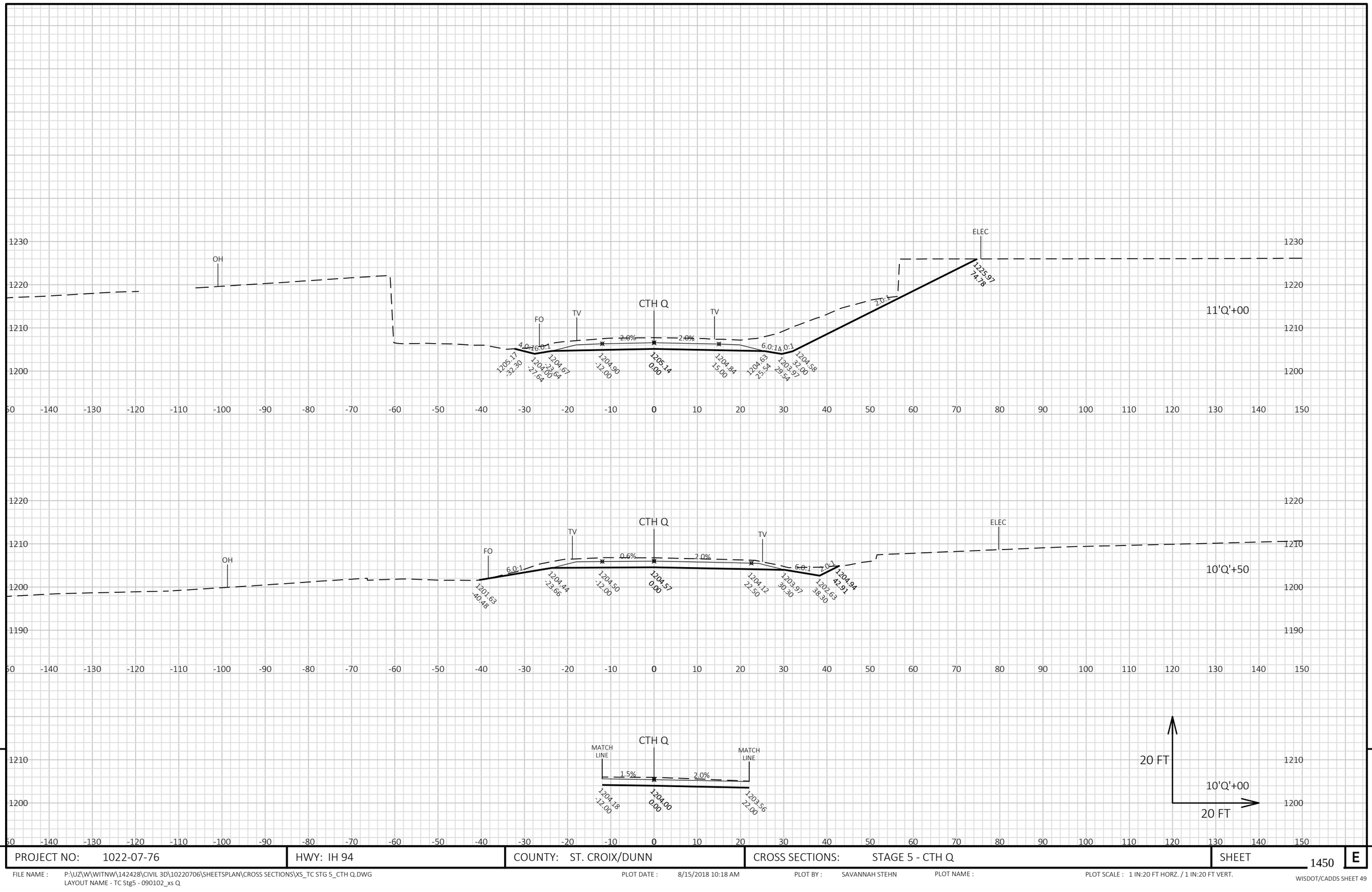
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - CTH Q	SHEET 1449	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5_CTH Q.DWG
LAYOUT NAME - TC Stg5 - 090101_xs Q

PLOT DATE : 8/15/2018 10:17 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

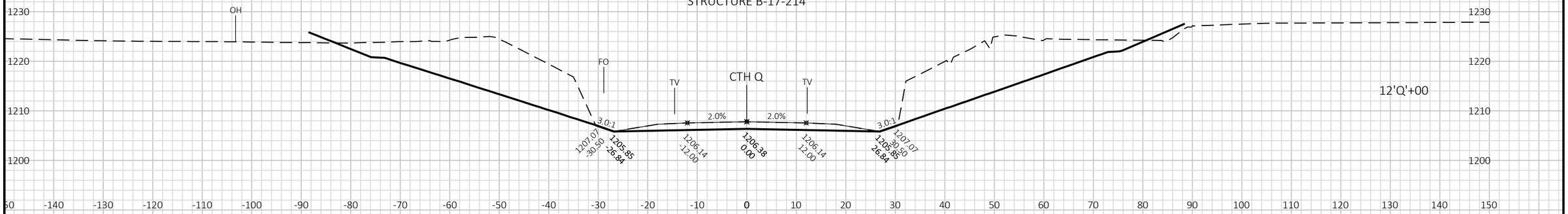
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - CTH Q	SHEET 1450	E

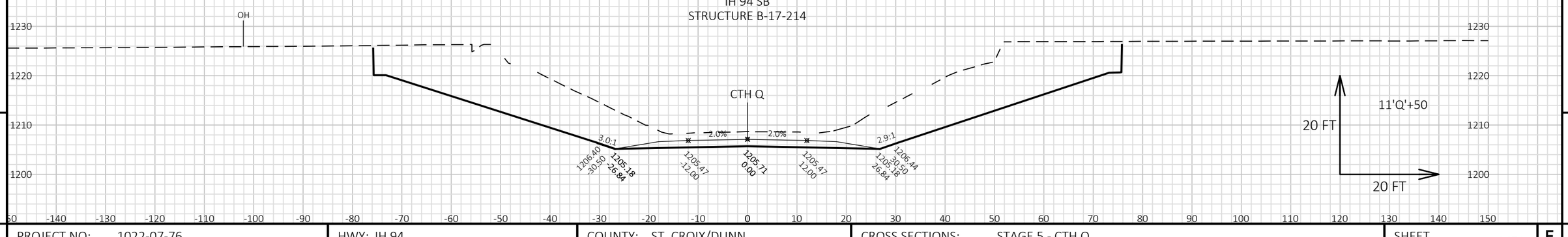
FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5_CTH Q.DWG
LAYOUT NAME - TC Stg5 - 090102_xs Q

PLOT DATE : 8/15/2018 10:18 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

IH 94 SB
STRUCTURE B-17-214



IH 94 SB
STRUCTURE B-17-214



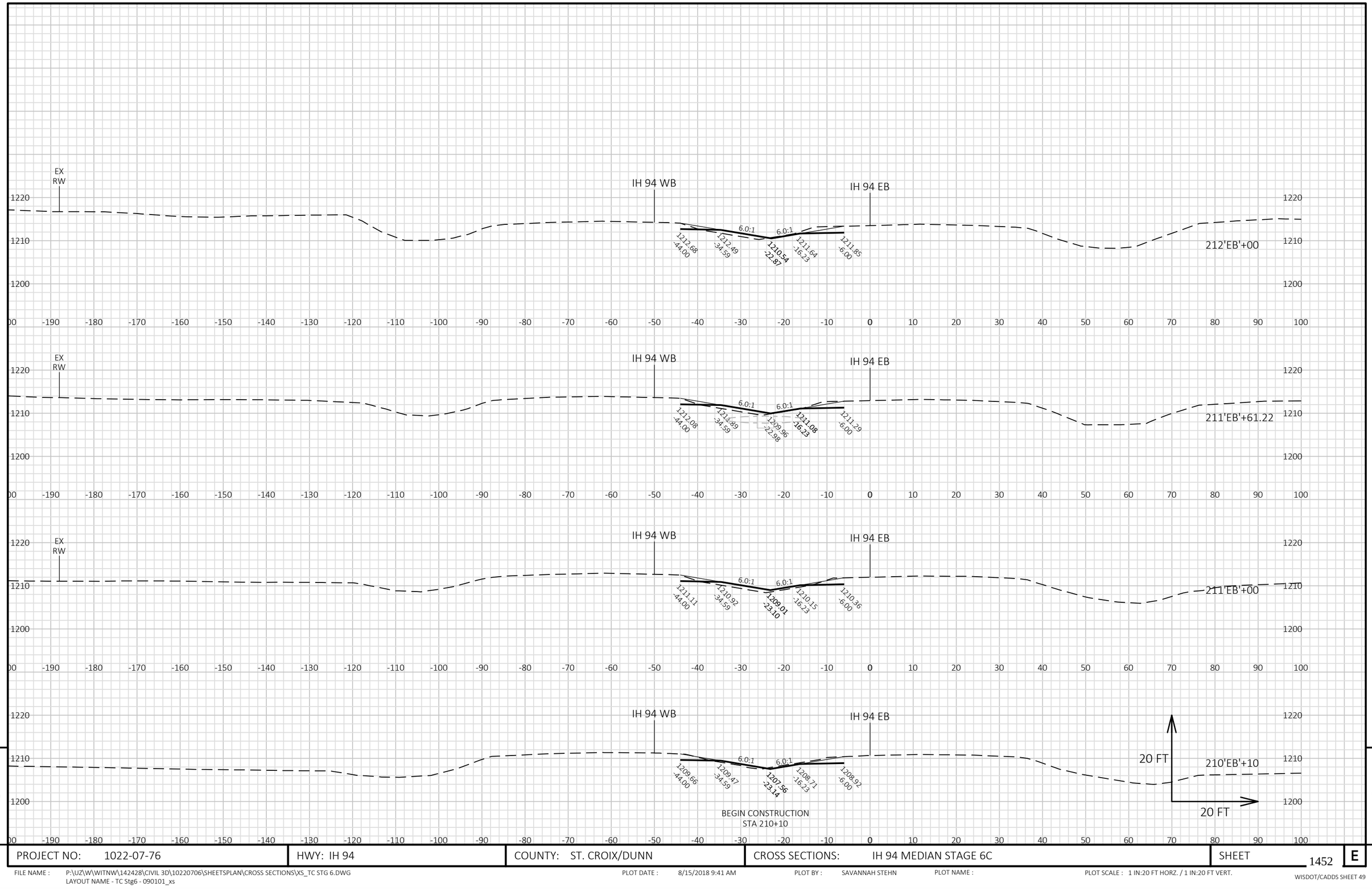
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 5 - CTH Q	SHEET 1451	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 5_CTH Q.DWG
LAYOUT NAME - TC Stg5 - 090103_xs Q

PLOT DATE : 8/15/2018 10:18 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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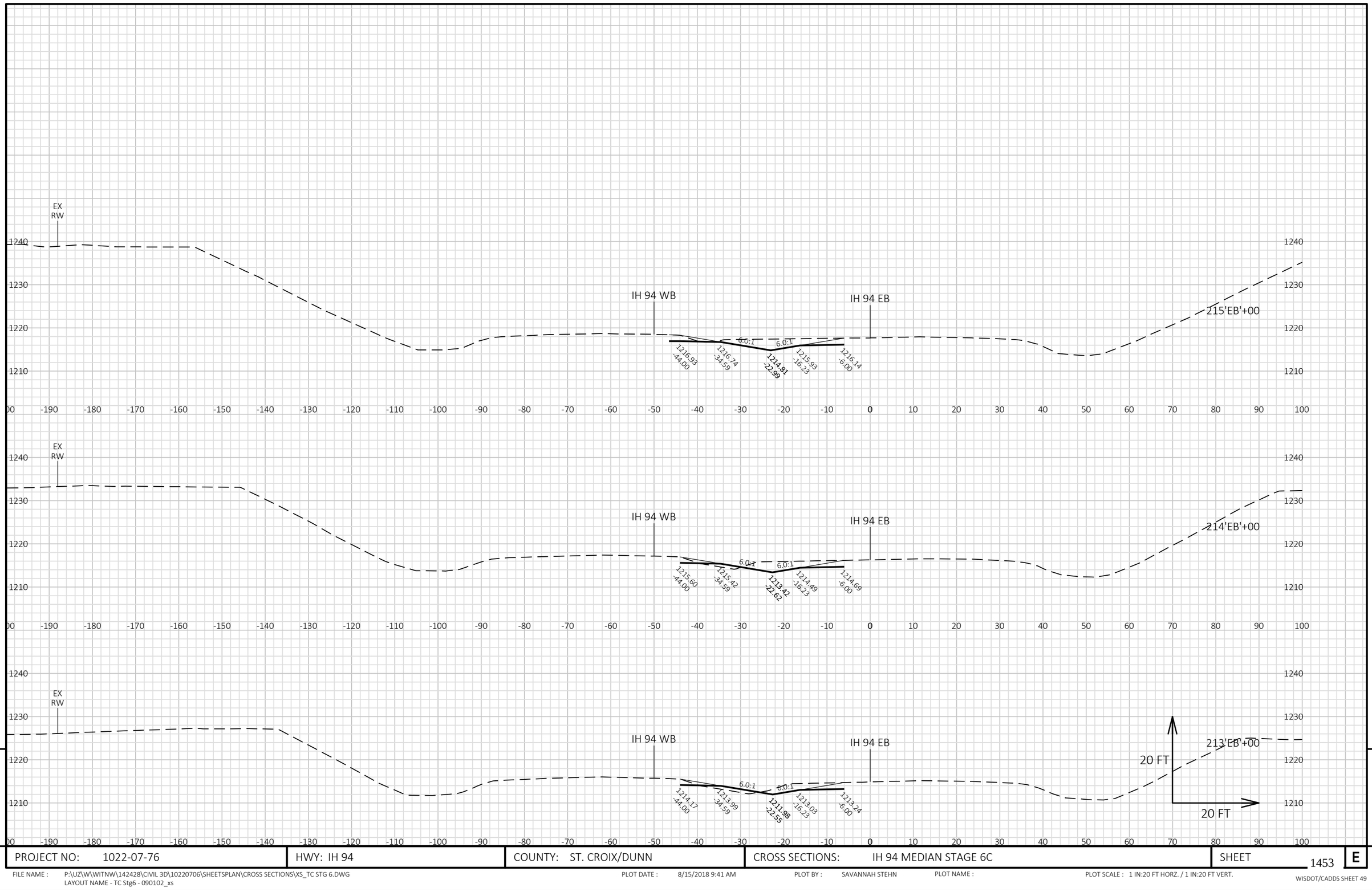
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1452	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090101_xs

PLOT DATE : 8/15/2018 9:41 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1453	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090102_xs

PLOT DATE : 8/15/2018 9:41 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

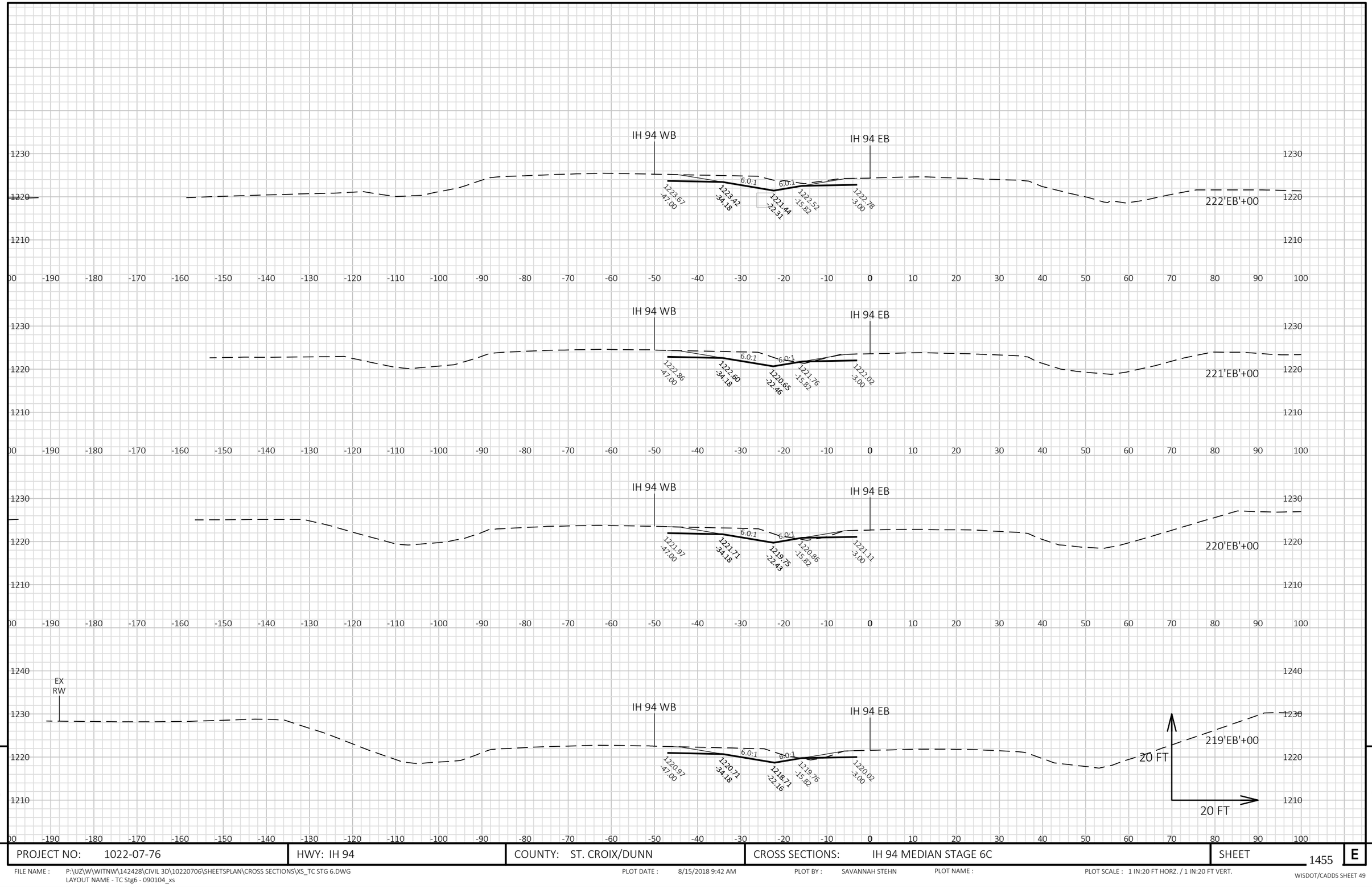
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1454	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090103_xs

PLOT DATE : 8/15/2018 9:42 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



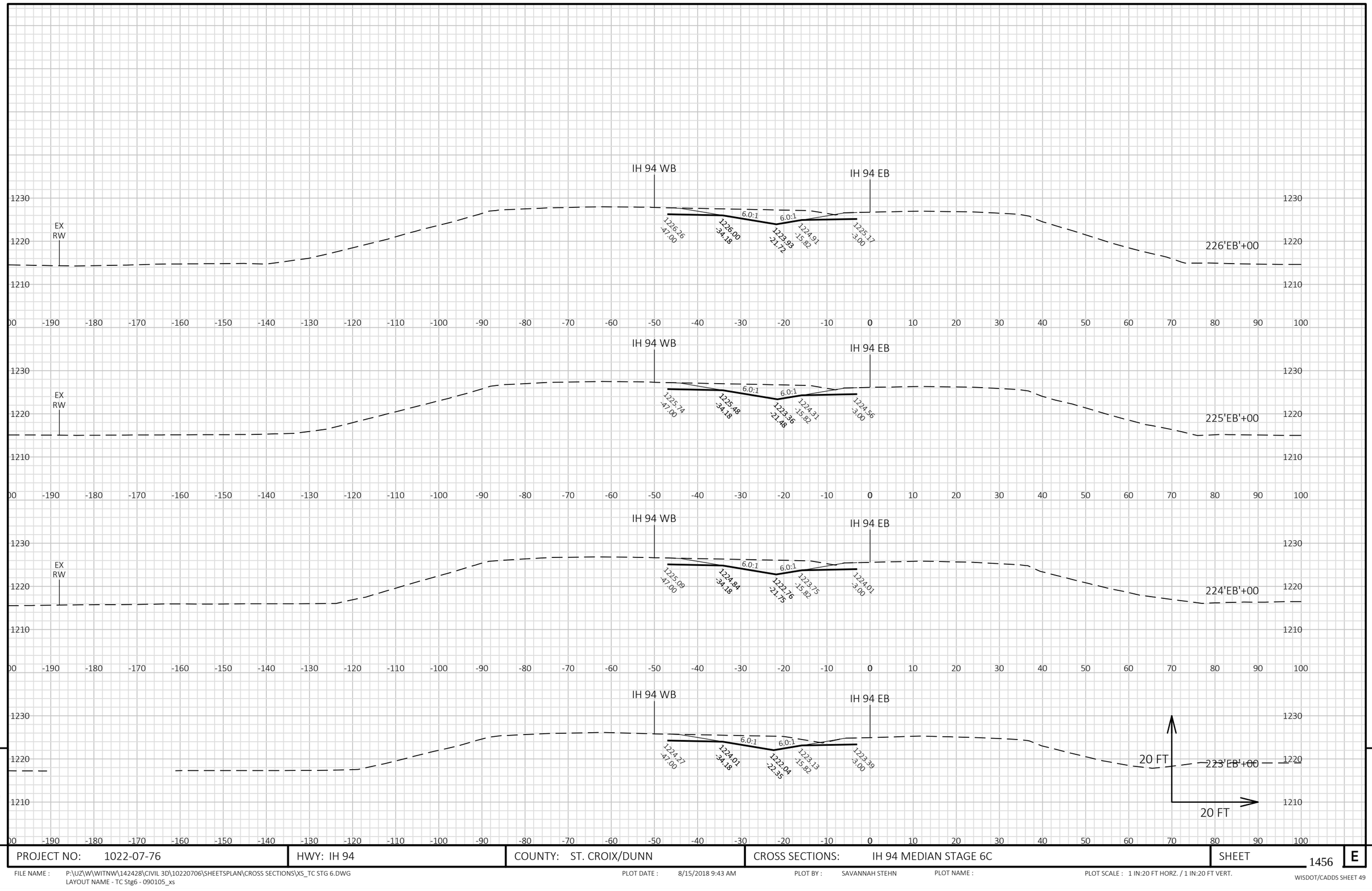
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1455	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090104_xs

PLOT DATE : 8/15/2018 9:42 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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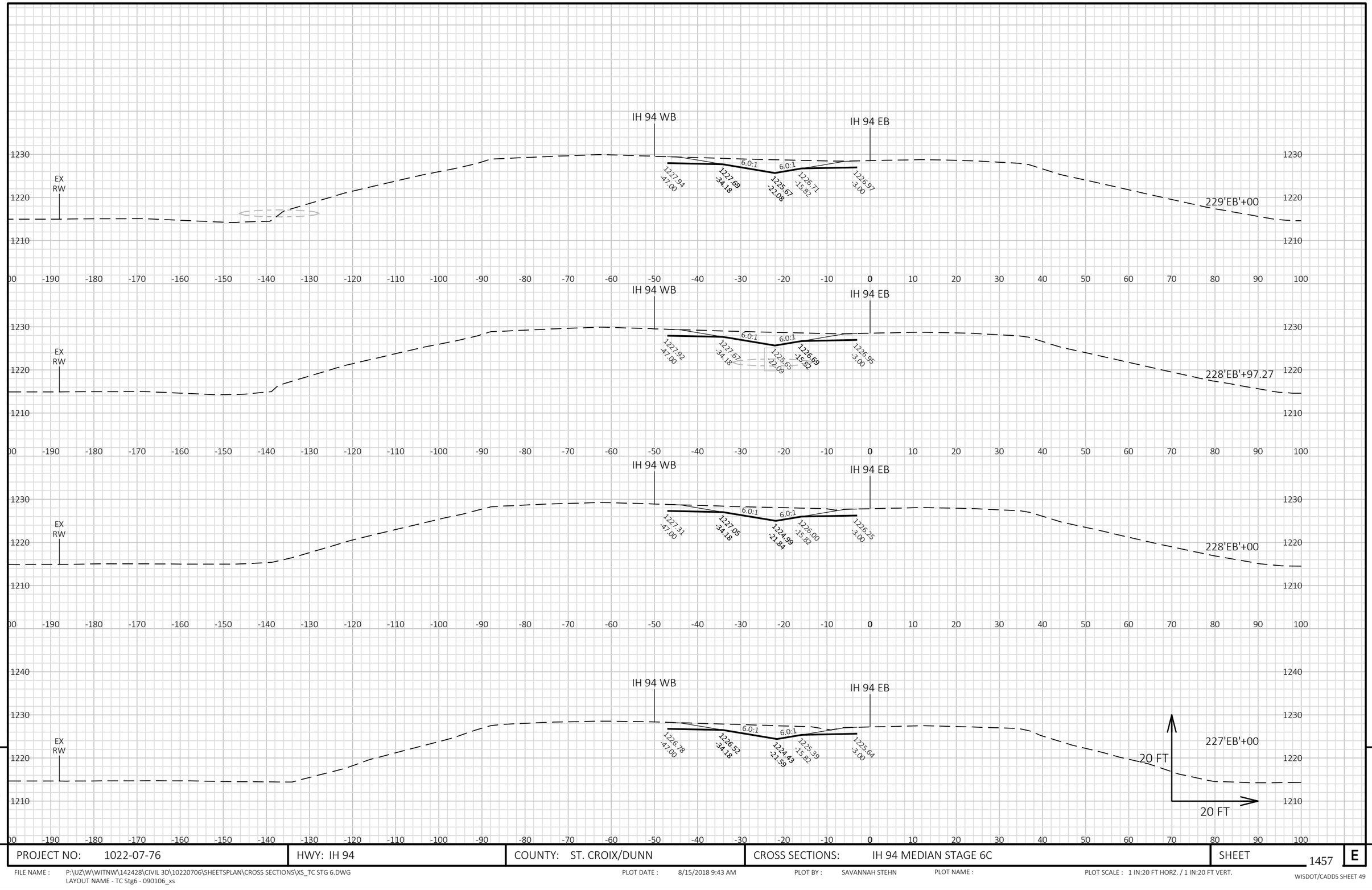
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1456	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090105_xs

PLOT DATE : 8/15/2018 9:43 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



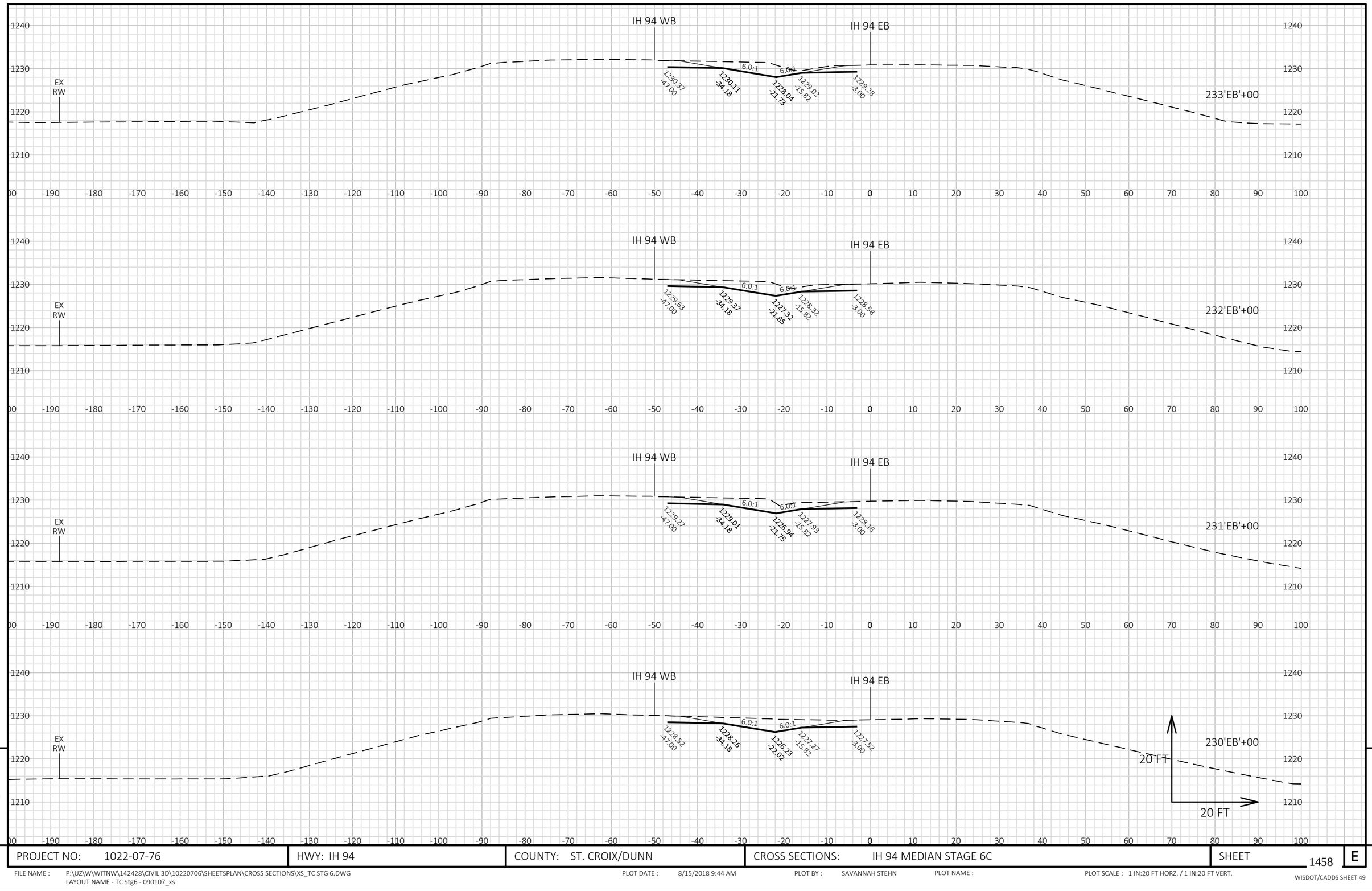
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1457 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090106_xs

PLOT DATE : 8/15/2018 9:43 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



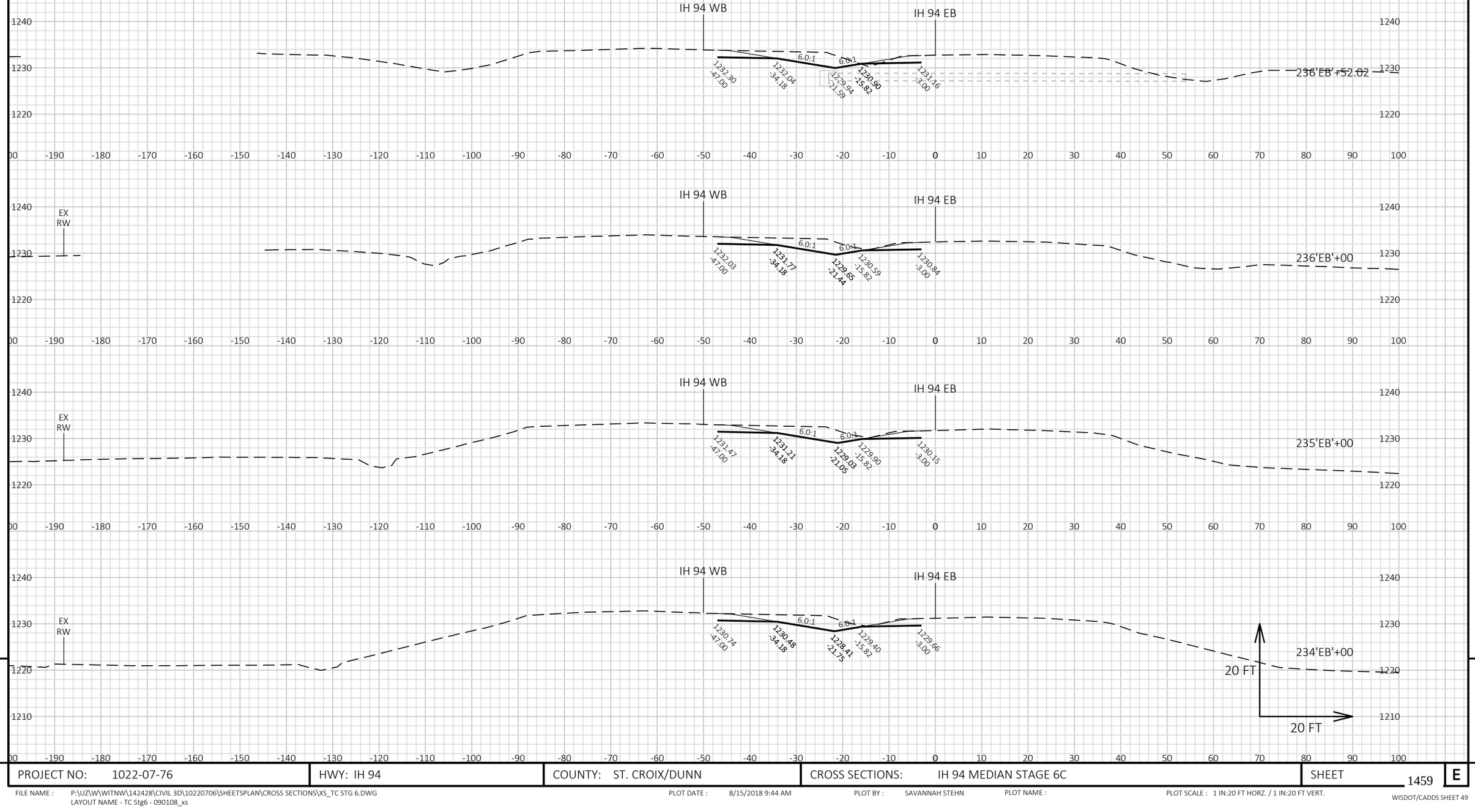
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1458 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090107_xs

PLOT DATE : 8/15/2018 9:44 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



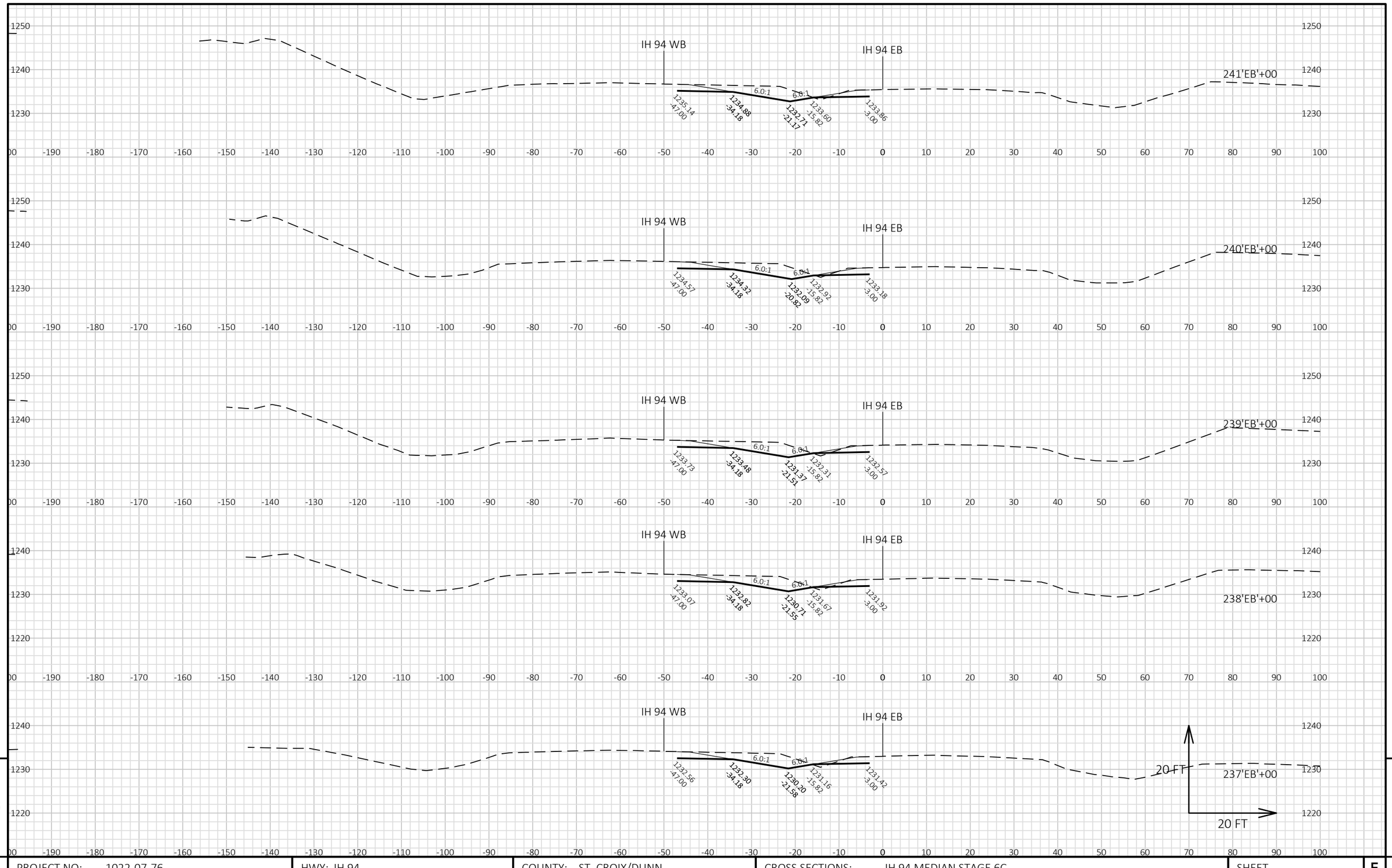
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1459	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090108_xs

PLOT DATE : 8/15/2018 9:44 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

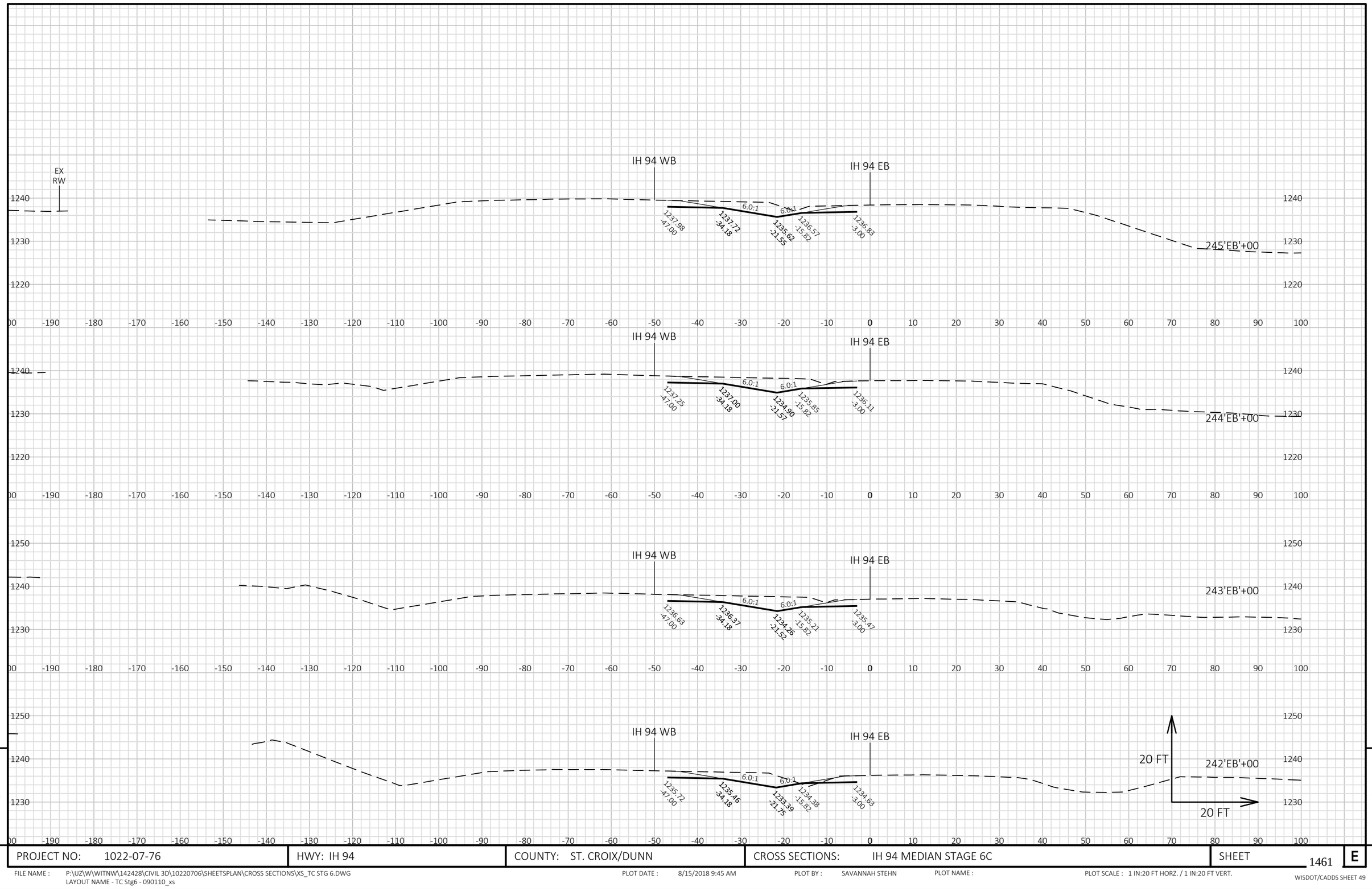


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1460	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090109_xs

PLOT DATE : 8/15/2018 9:45 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



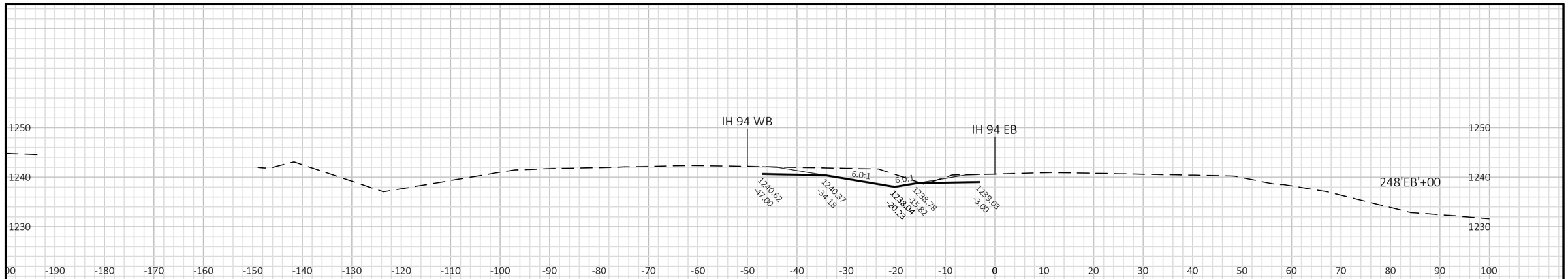
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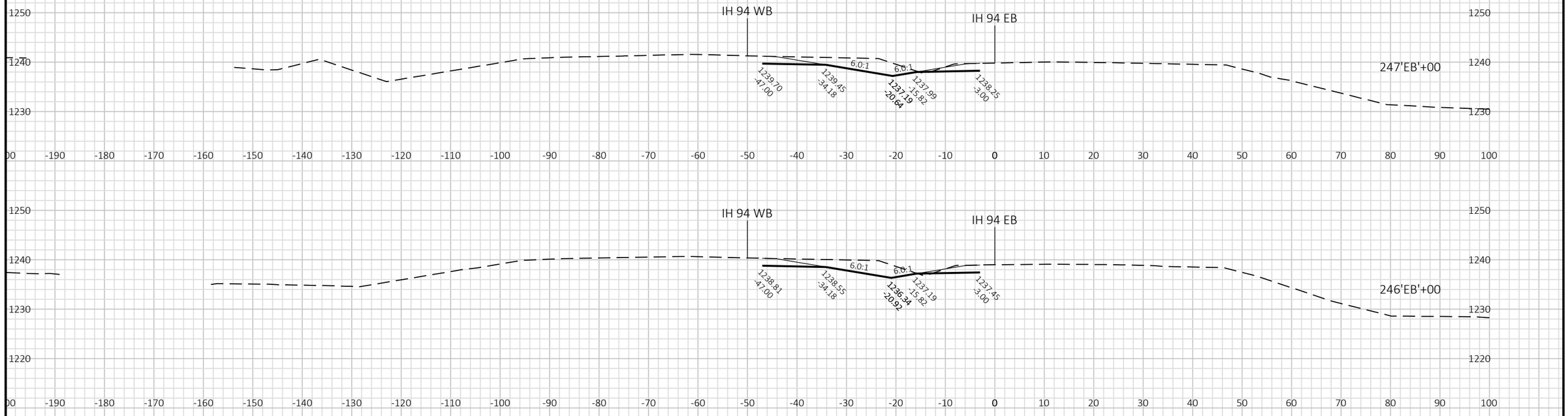
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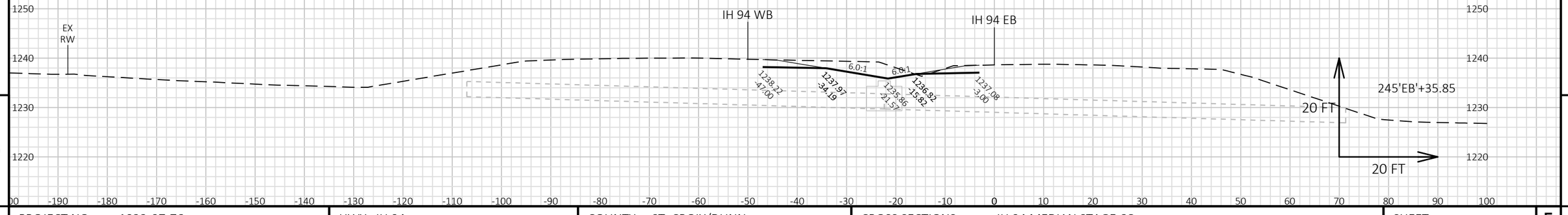
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1461	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090110_xs

PLOT DATE : 8/15/2018 9:45 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





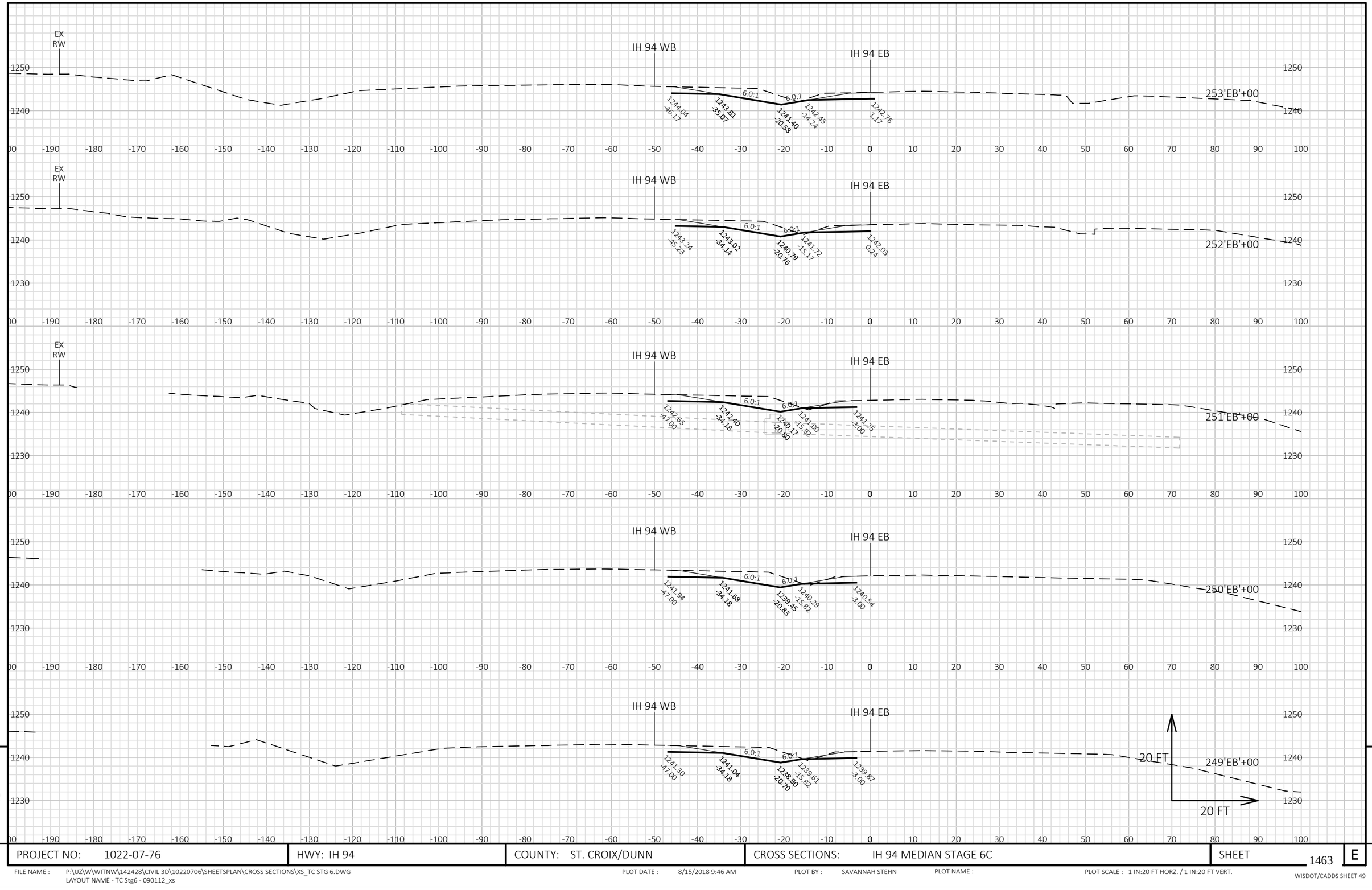


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1462 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090111_xs

PLOT DATE : 8/15/2018 9:45 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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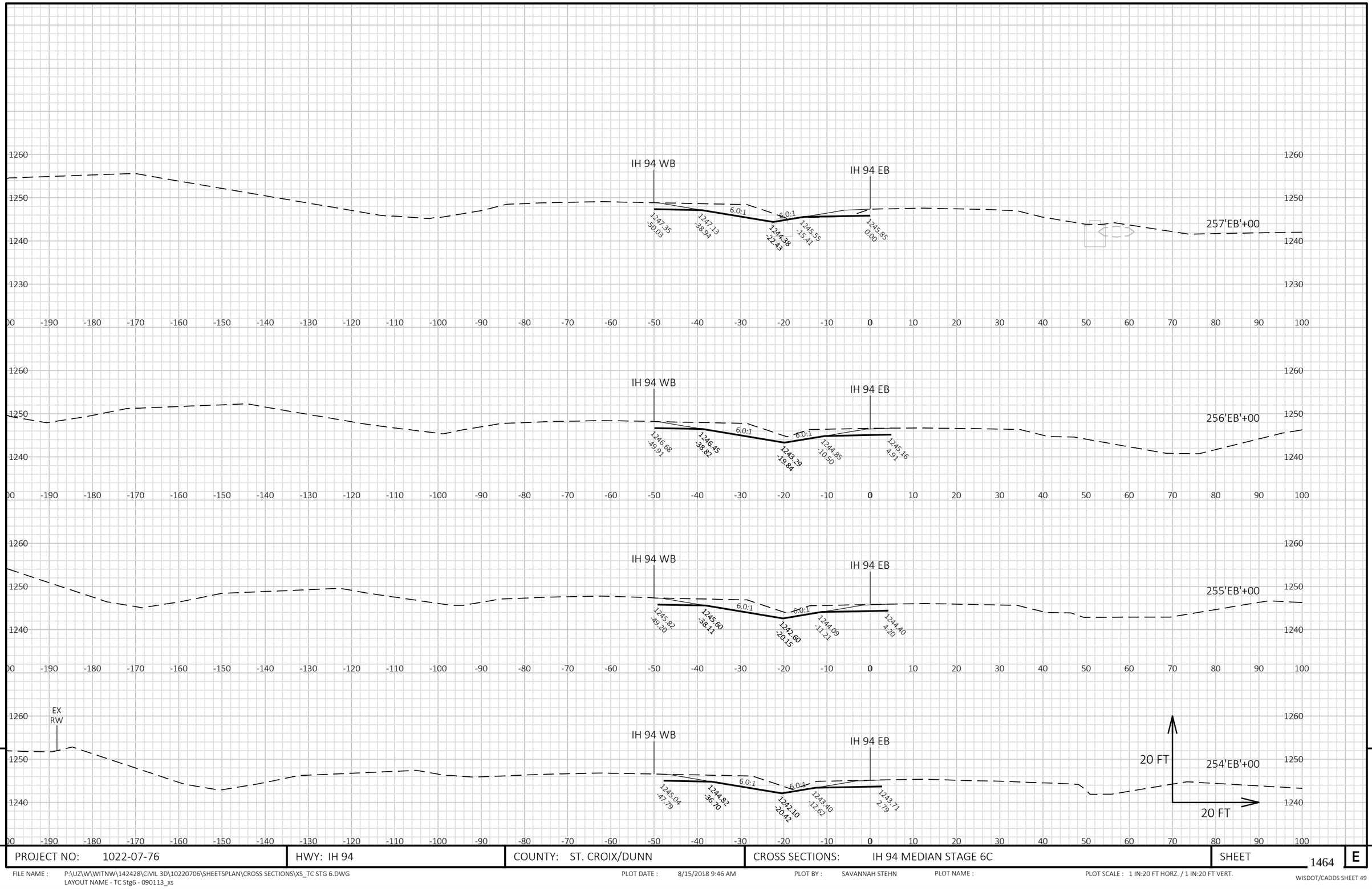
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1463	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090112_xs

PLOT DATE : 8/15/2018 9:46 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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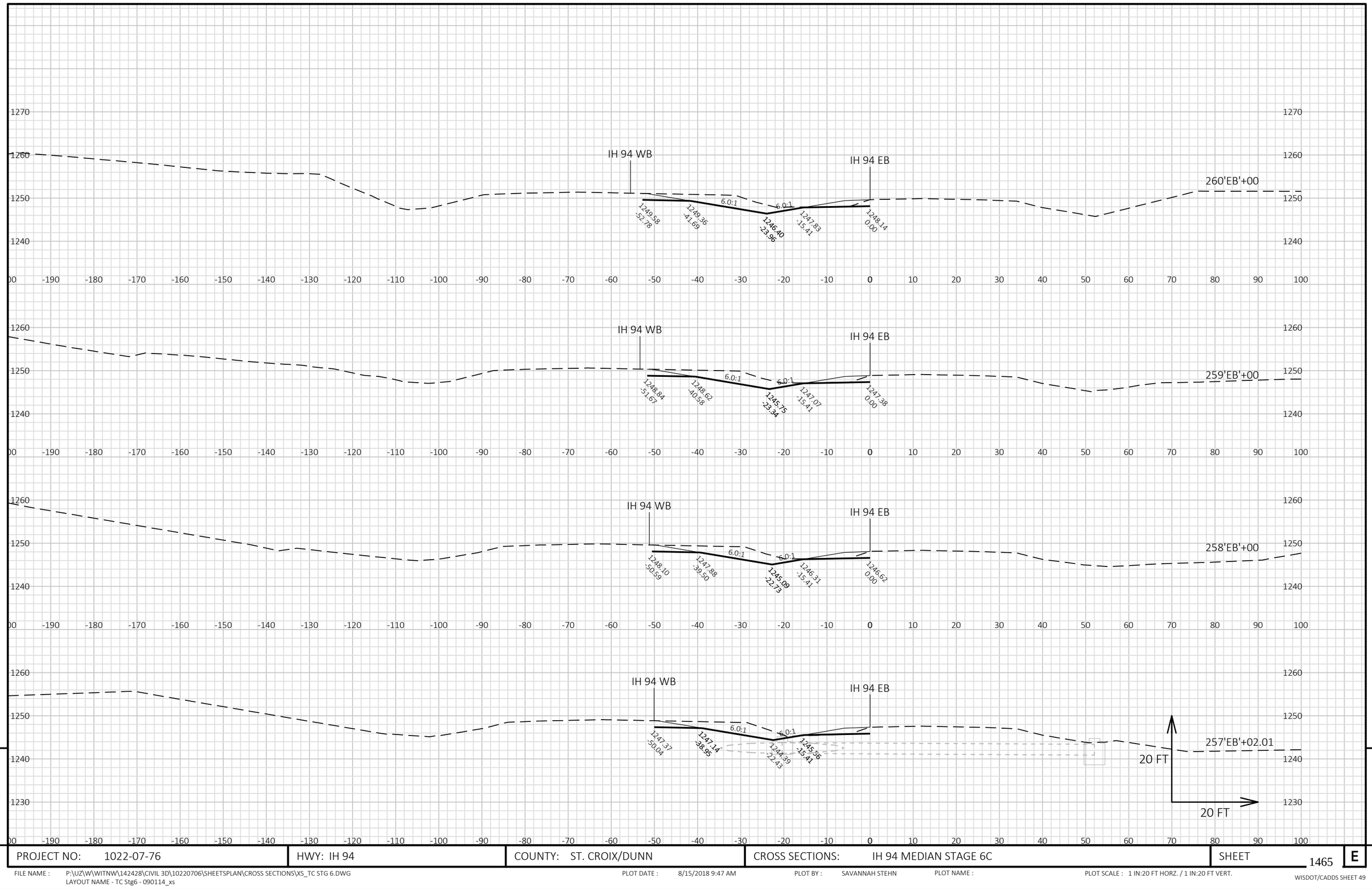
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1464 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090113_xs

PLOT DATE : 8/15/2018 9:46 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



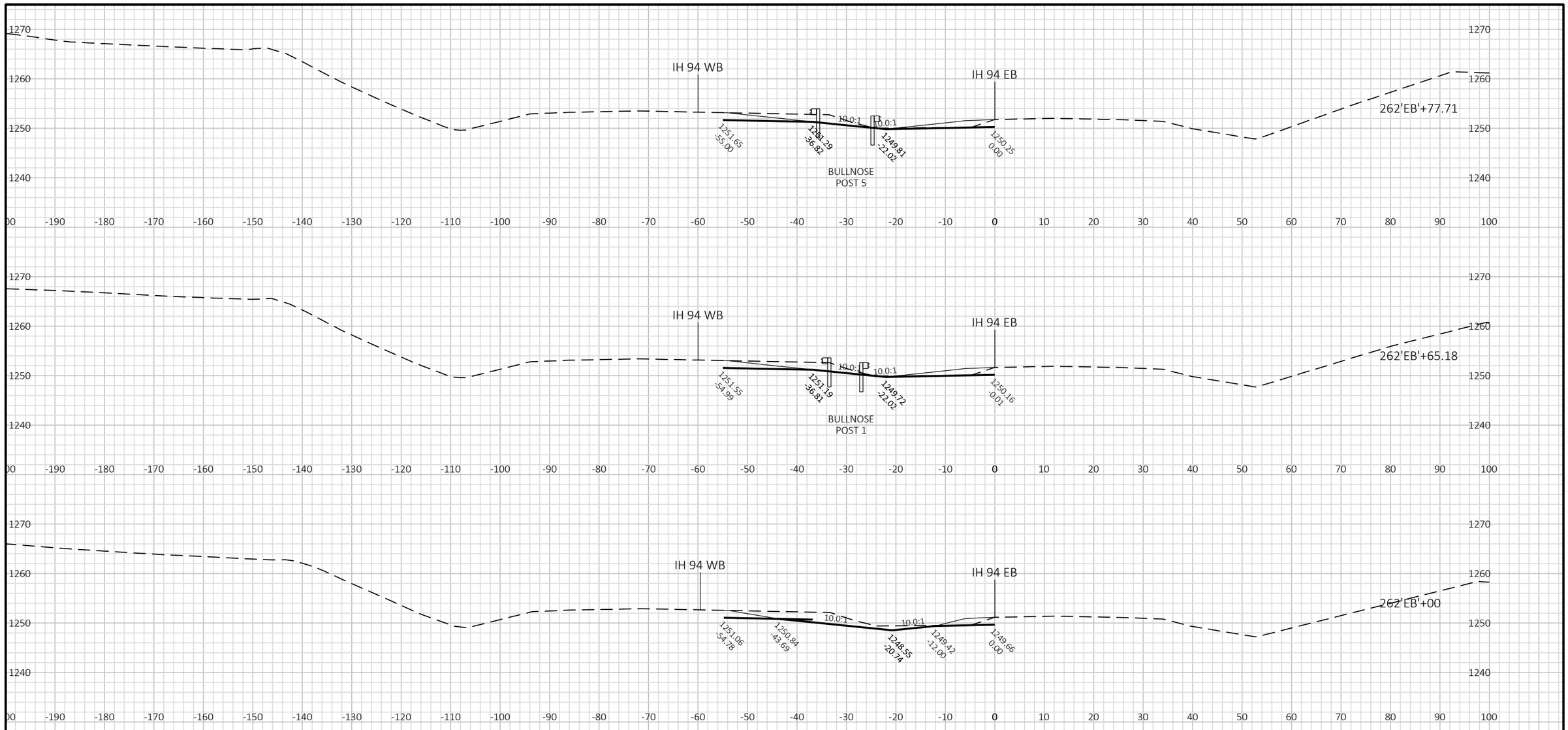
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1465 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090114_xs

PLOT DATE : 8/15/2018 9:47 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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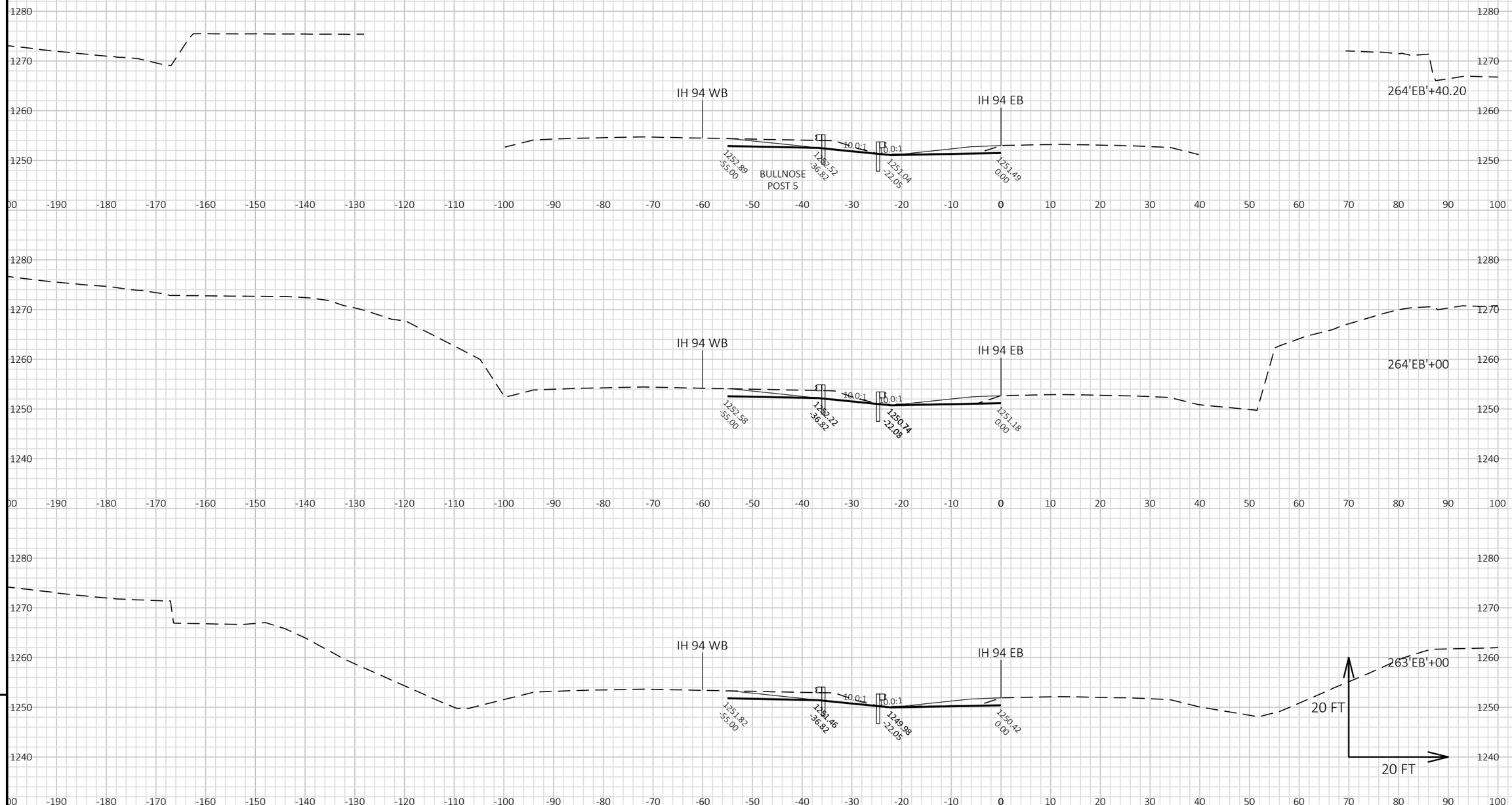
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1466	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090115_xs

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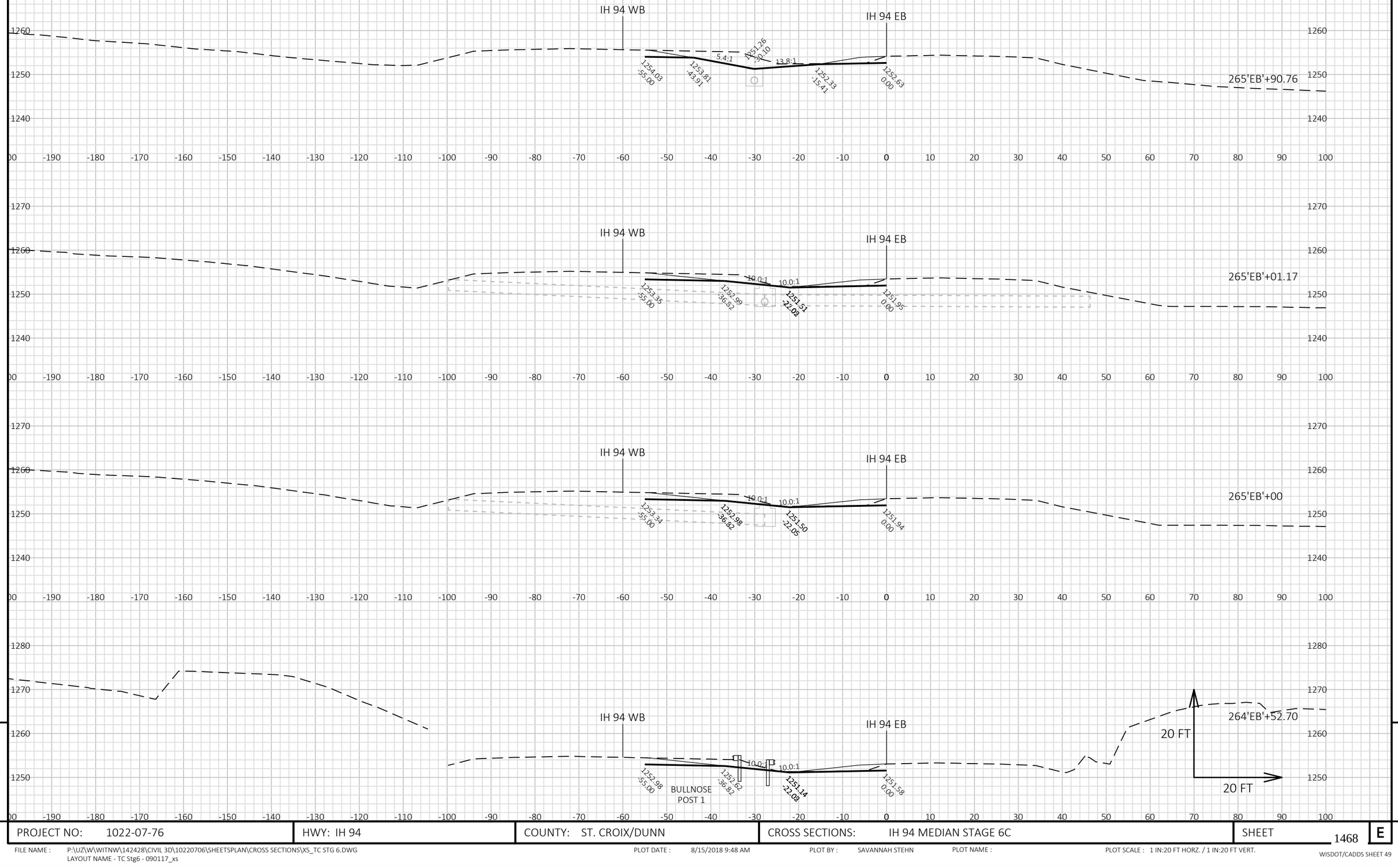
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1467	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090116_xs

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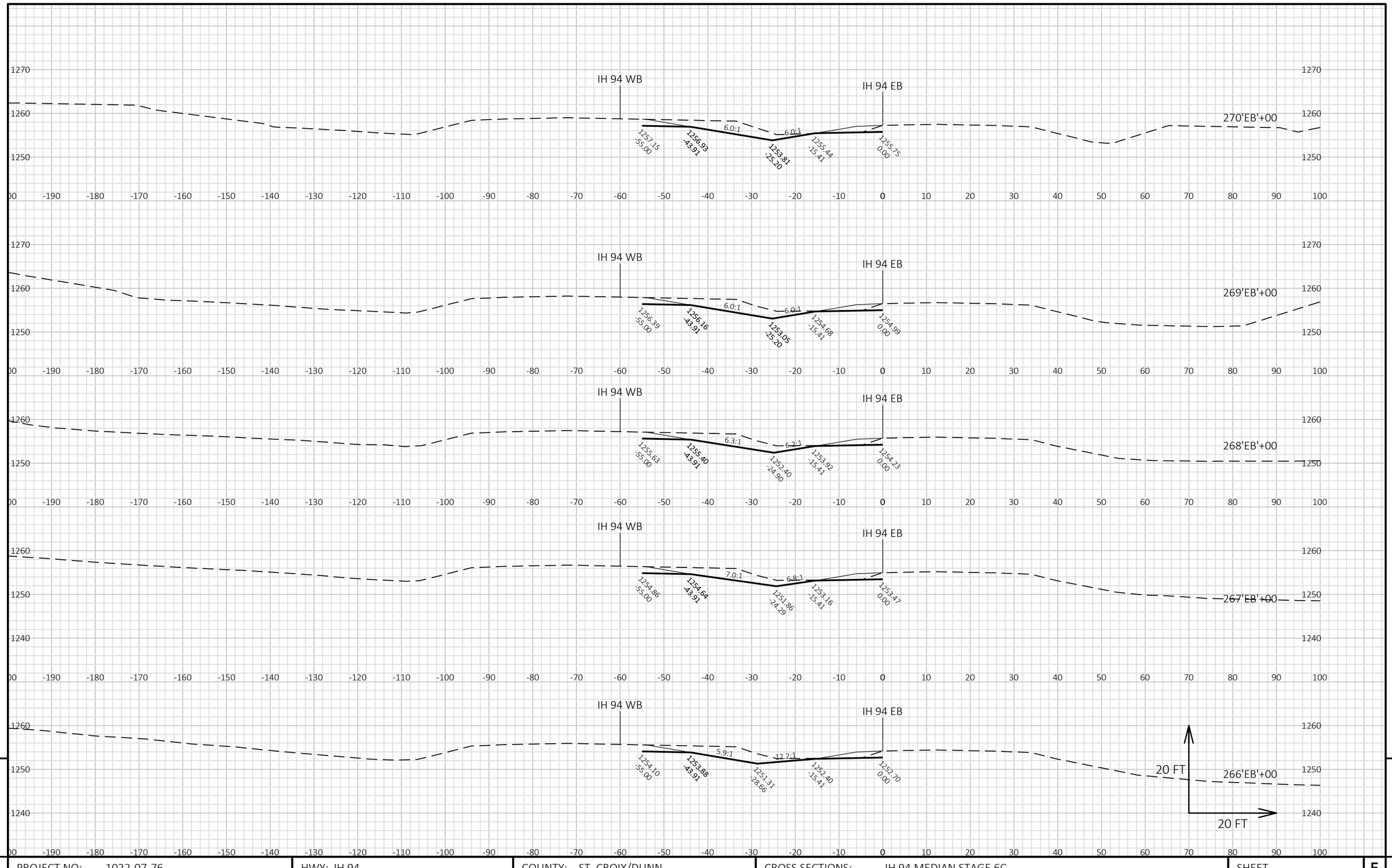


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1468 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090117_xs

PLOT DATE : 8/15/2018 9:48 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



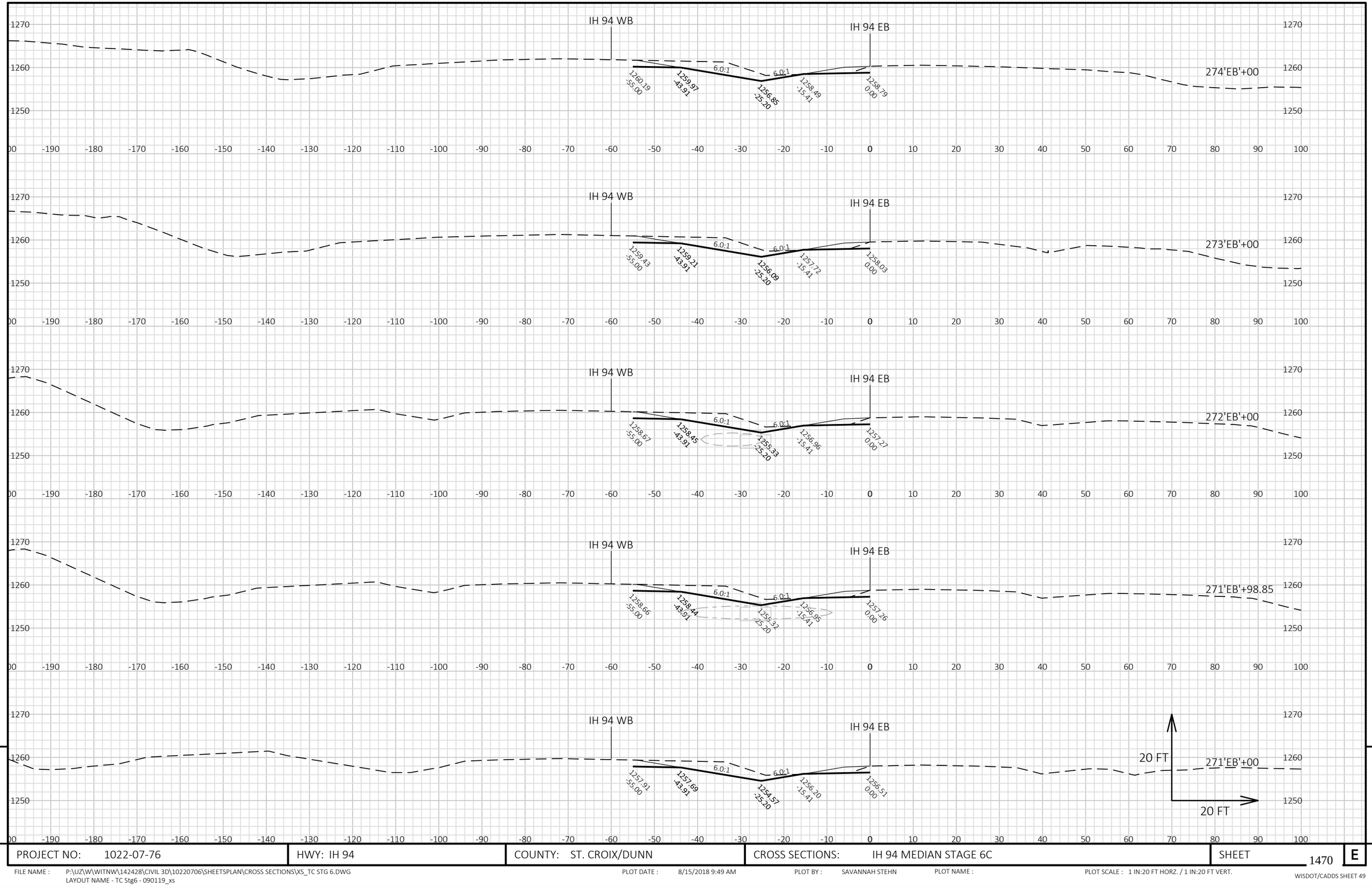
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1469	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090118_xs

PLOT DATE : 8/15/2018 9:49 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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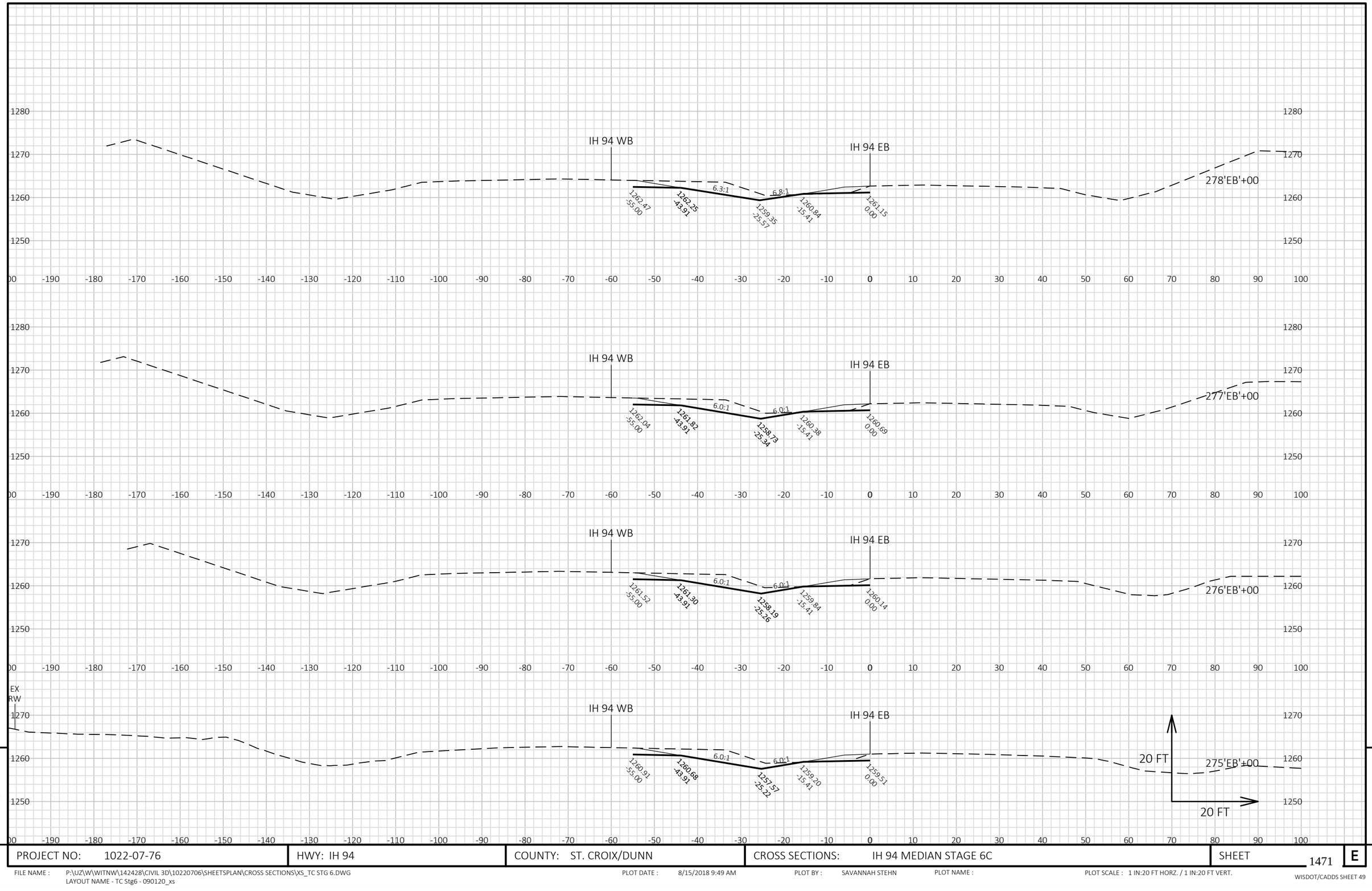
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1470	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090119_xs

PLOT DATE : 8/15/2018 9:49 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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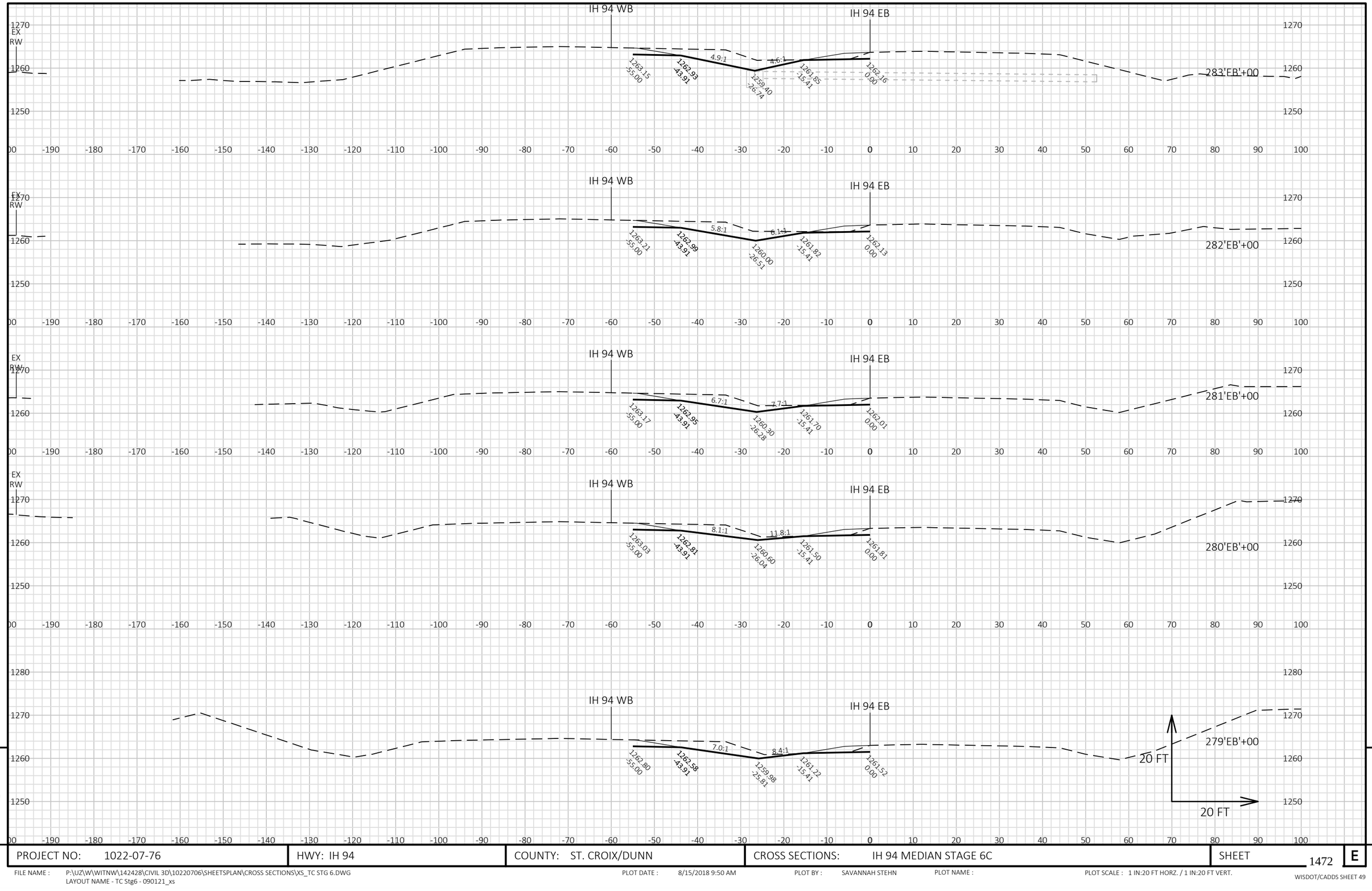
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1471	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090120_xs

PLOT DATE : 8/15/2018 9:49 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

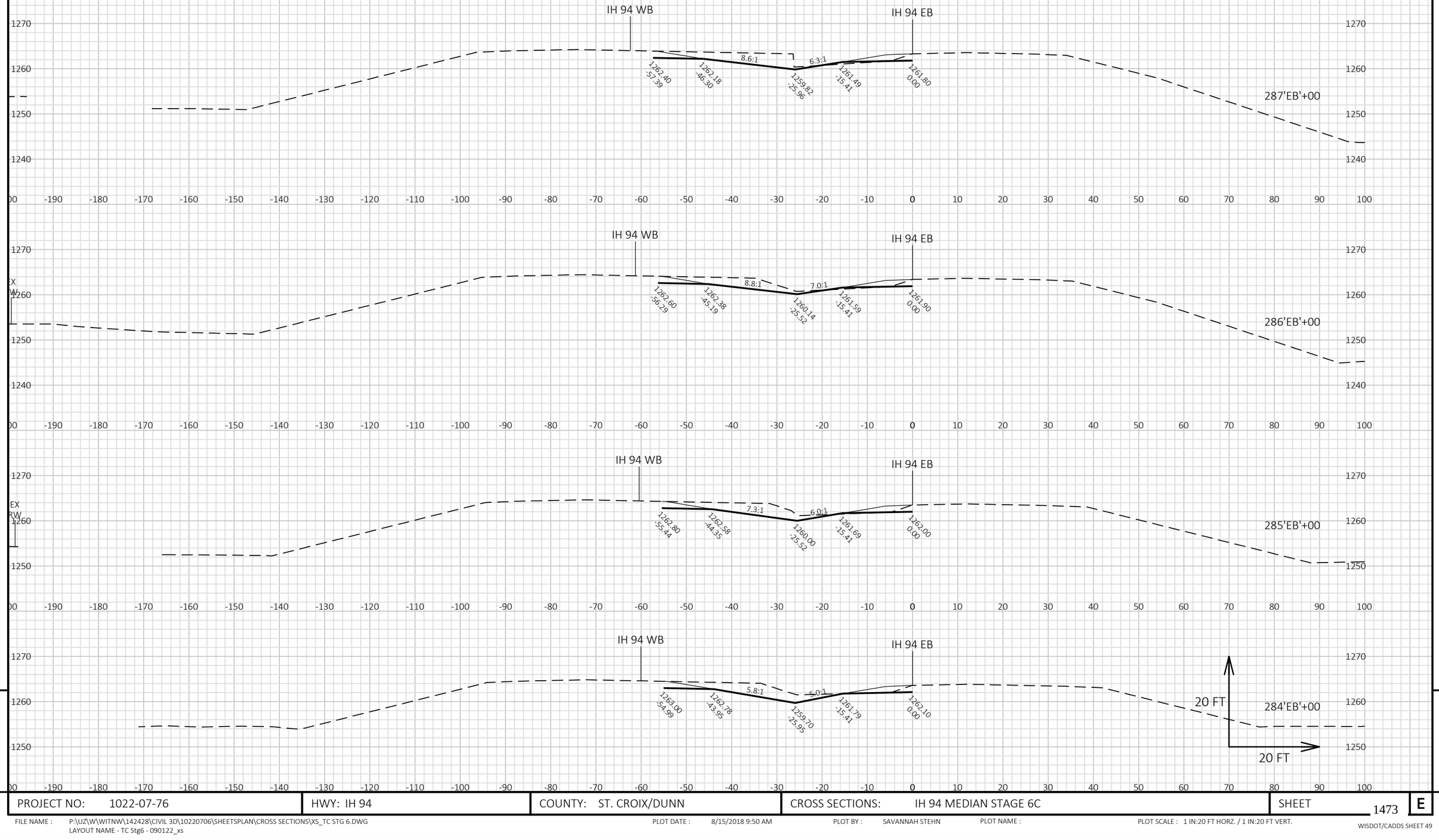


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1472 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090121_xs

PLOT DATE : 8/15/2018 9:50 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



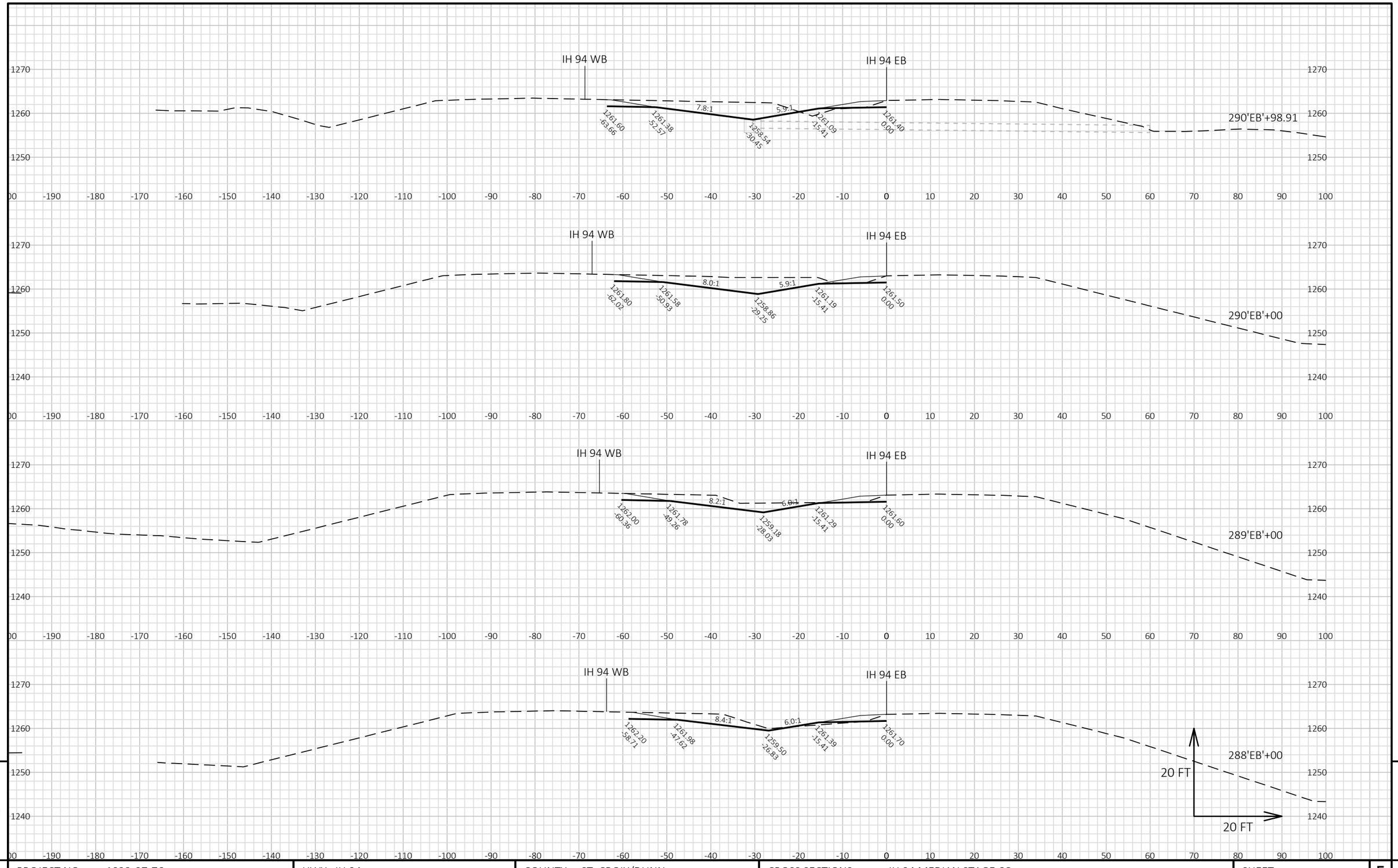
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FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090122_xs

PLOT DATE : 8/15/2018 9:50 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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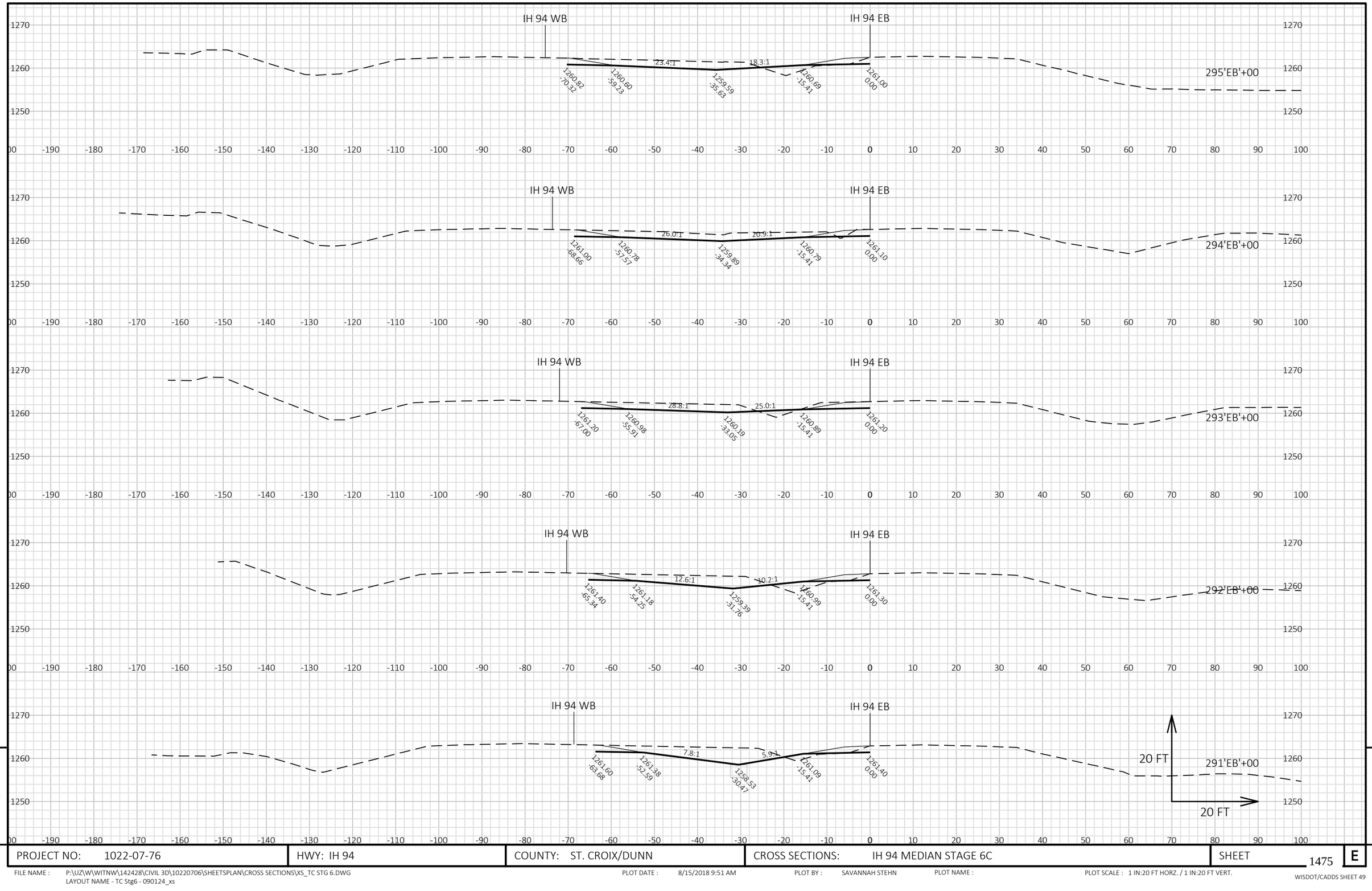
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1474	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090123_xs

PLOT DATE : 8/15/2018 9:51 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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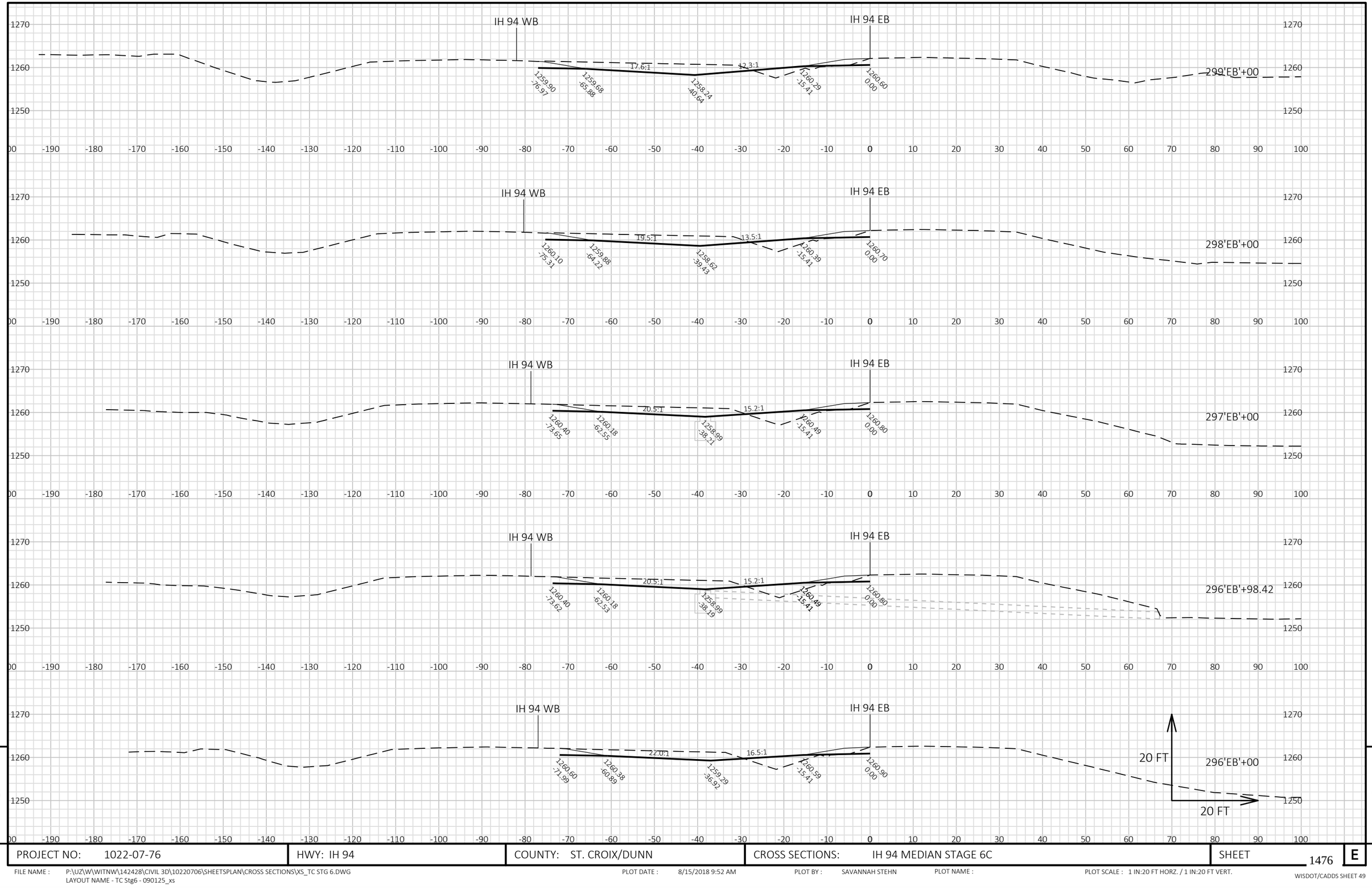
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1475	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090124_xs

PLOT DATE : 8/15/2018 9:51 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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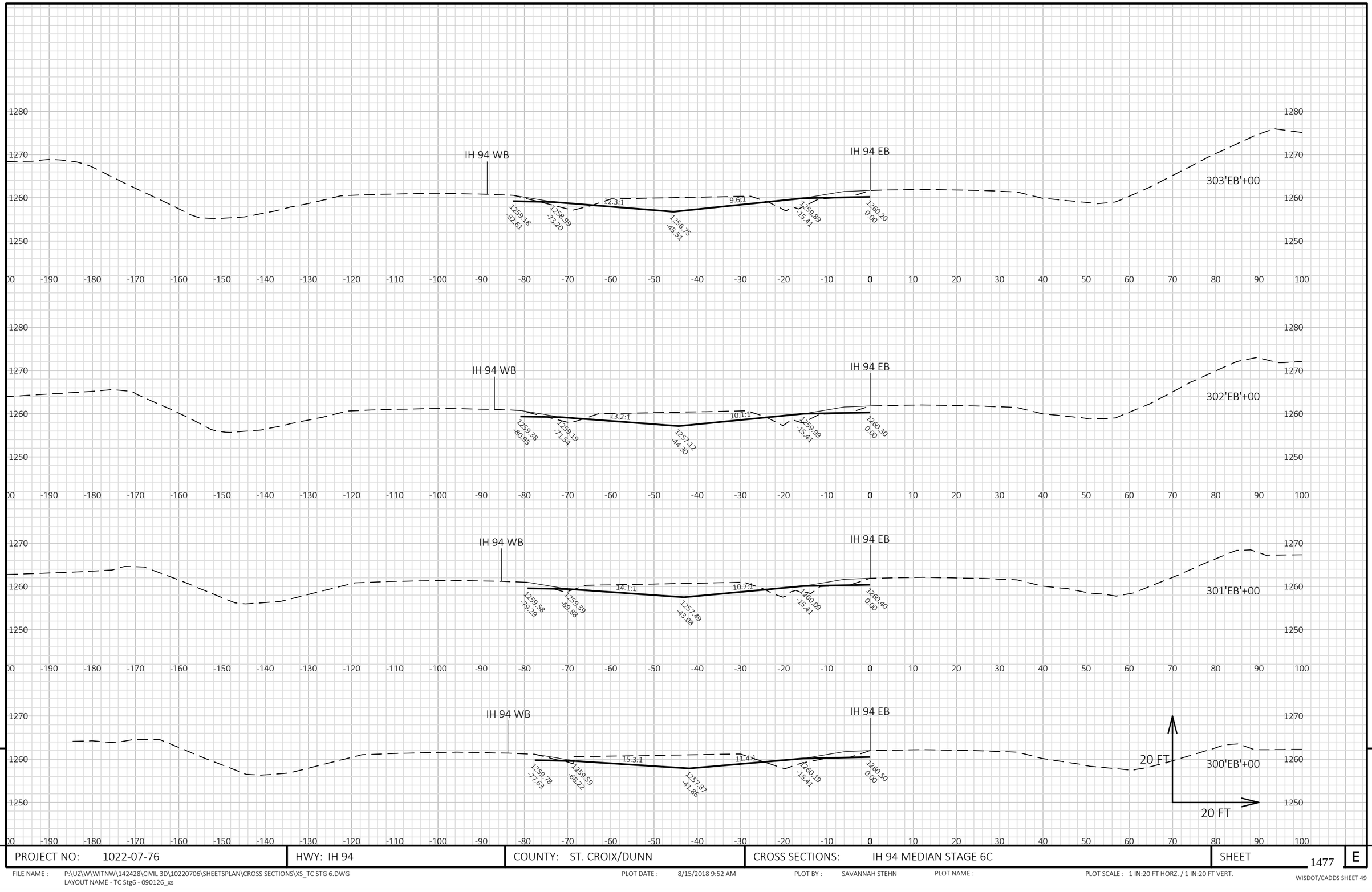
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1476	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090125_xs

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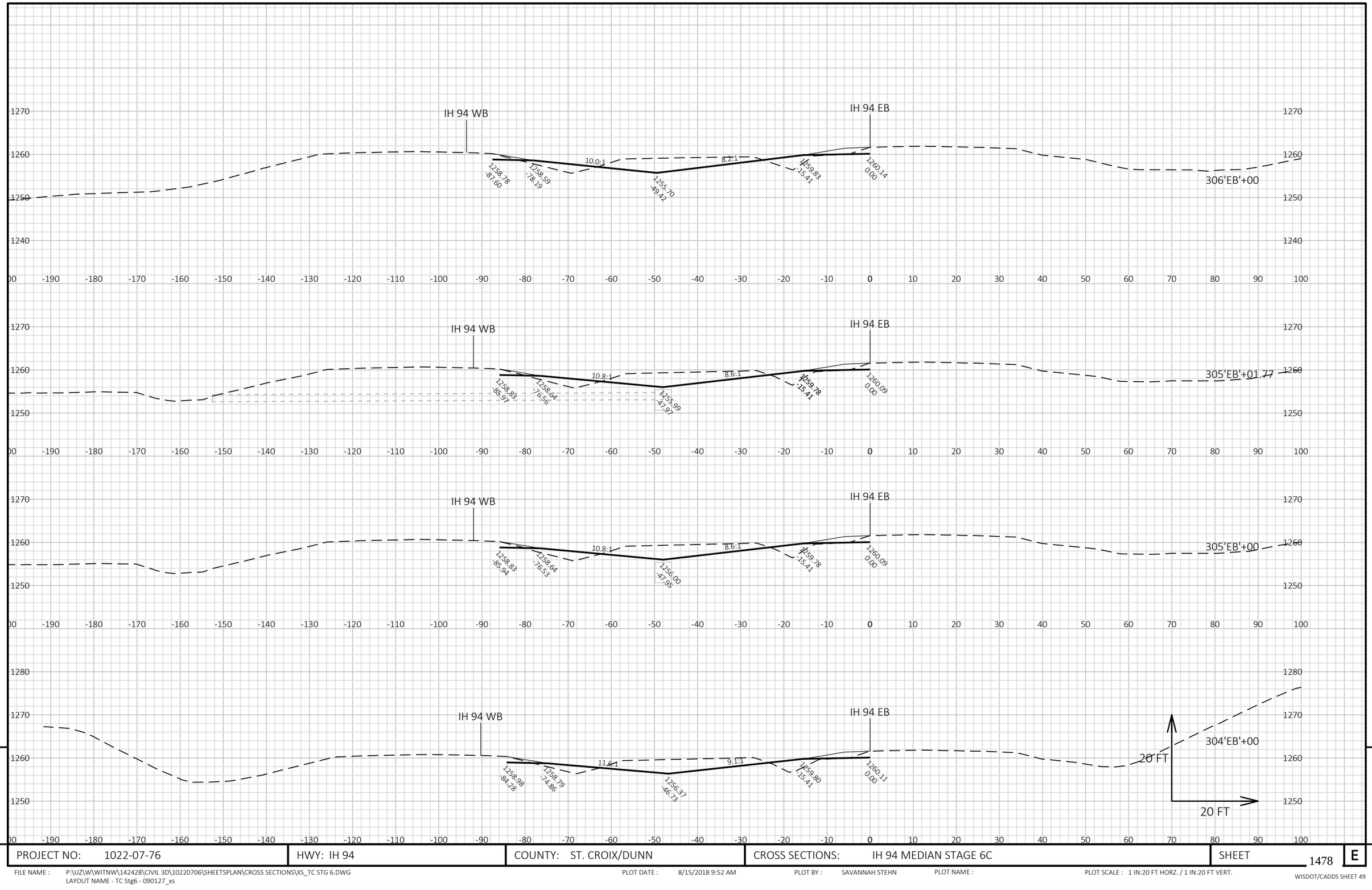
WISDOT/CADDS SHEET 49



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1477	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090126_xs

PLOT DATE : 8/15/2018 9:52 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1478	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090127_xs

PLOT DATE : 8/15/2018 9:52 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

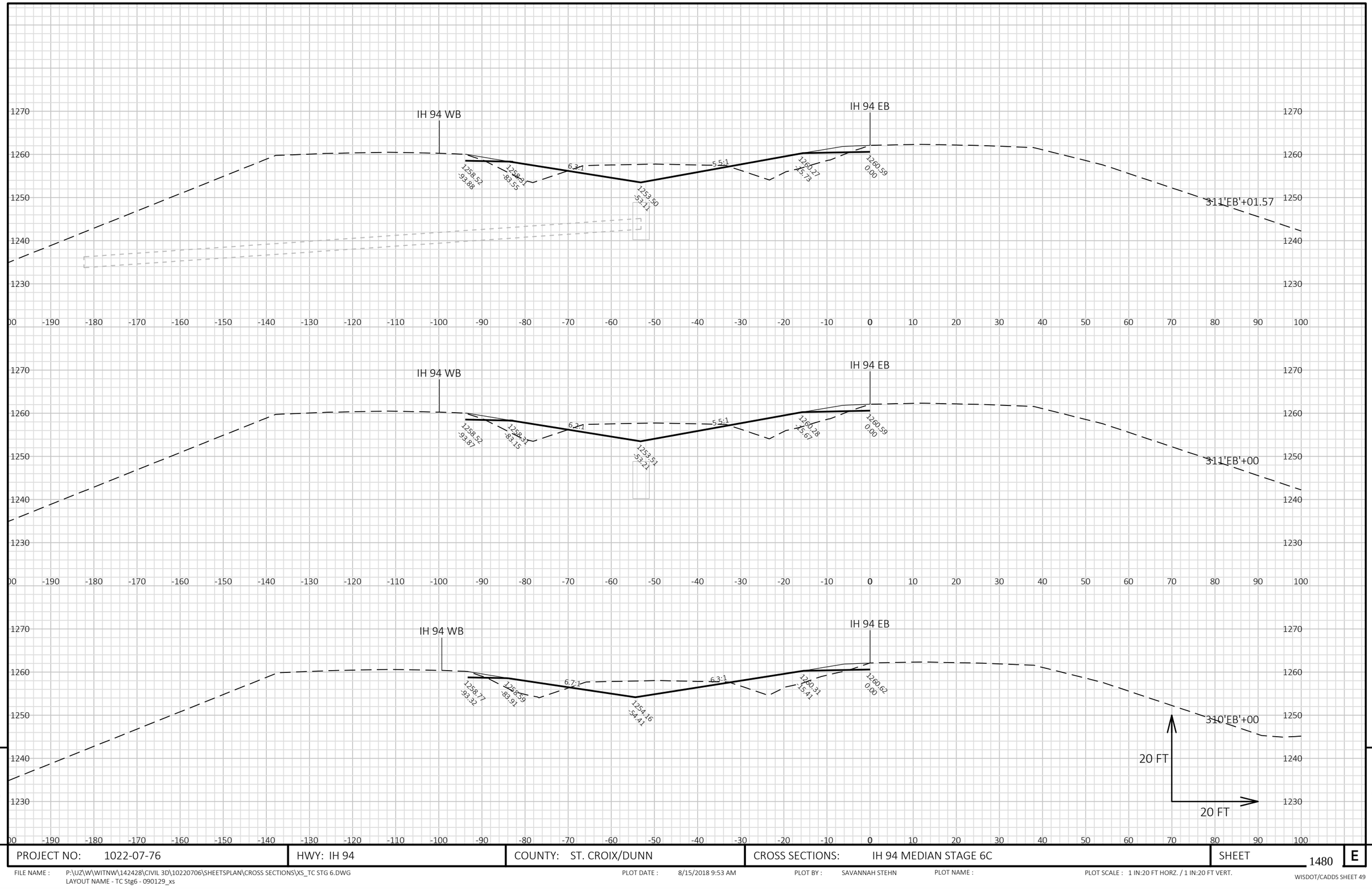
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1479	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090128_xs

PLOT DATE : 8/15/2018 9:53 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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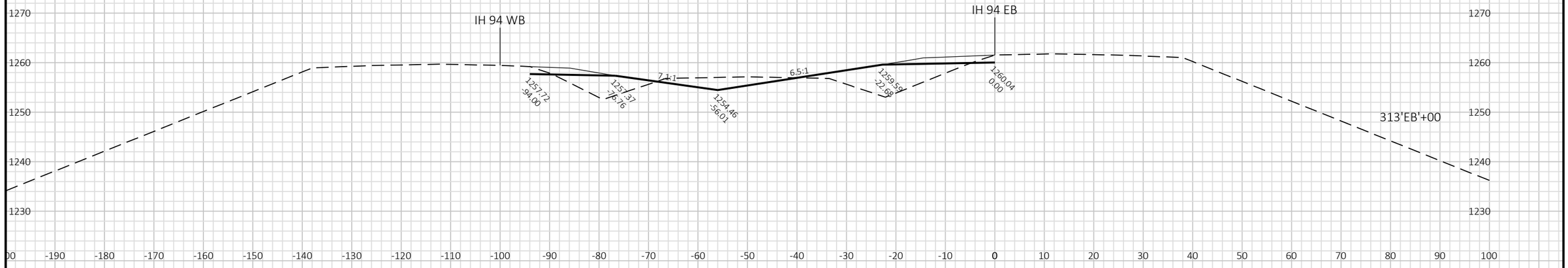
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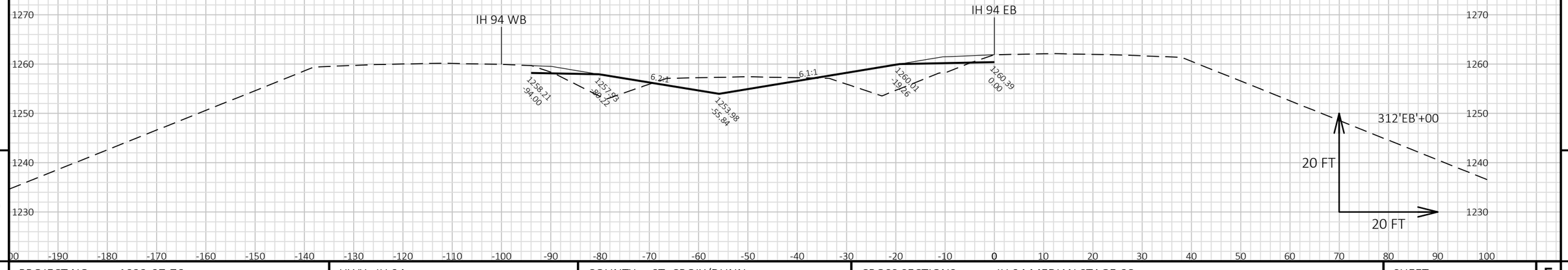
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1480 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090129_xs

PLOT DATE : 8/15/2018 9:53 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.







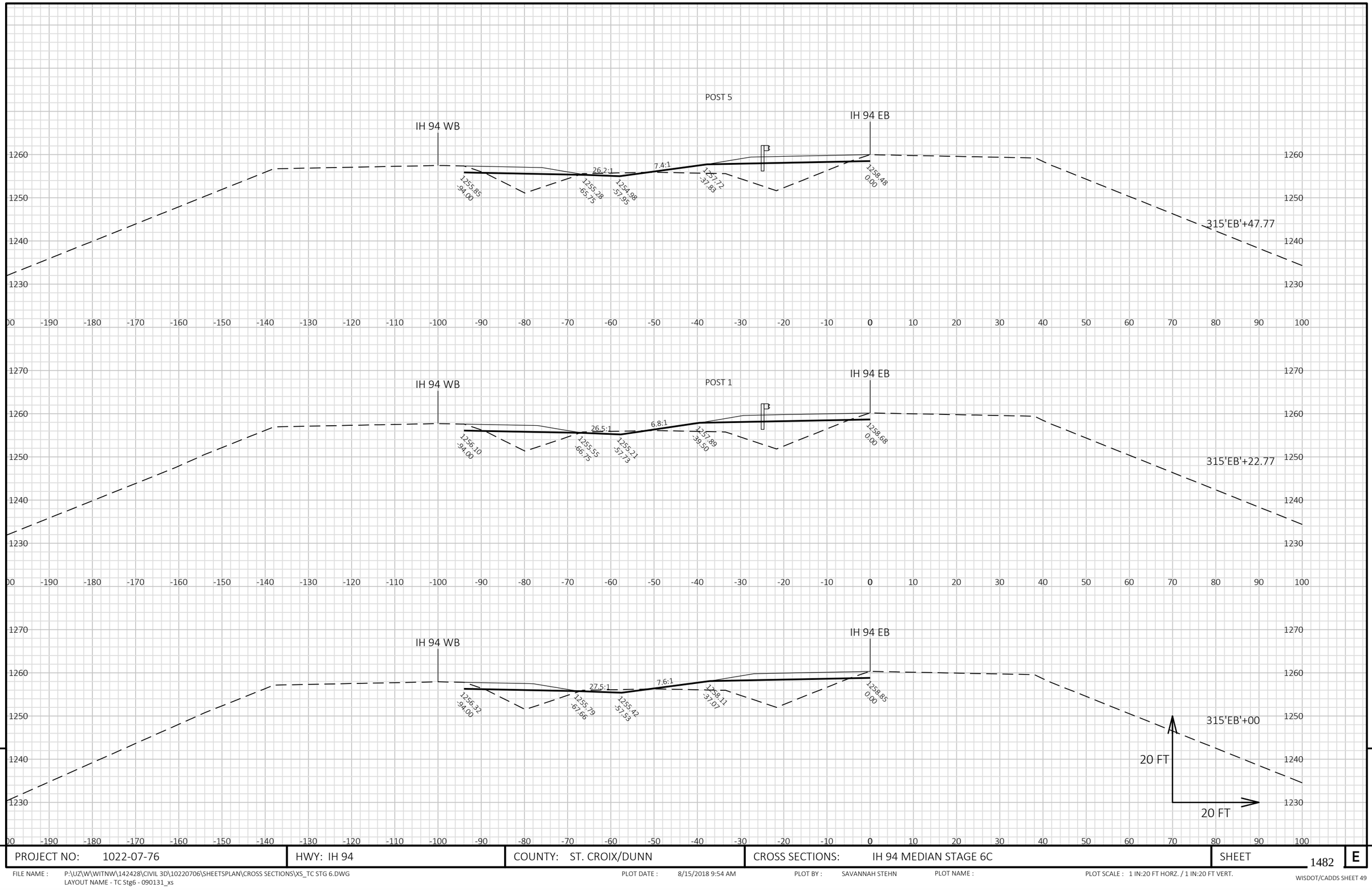
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1481	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090130_xs

PLOT DATE : 8/15/2018 9:54 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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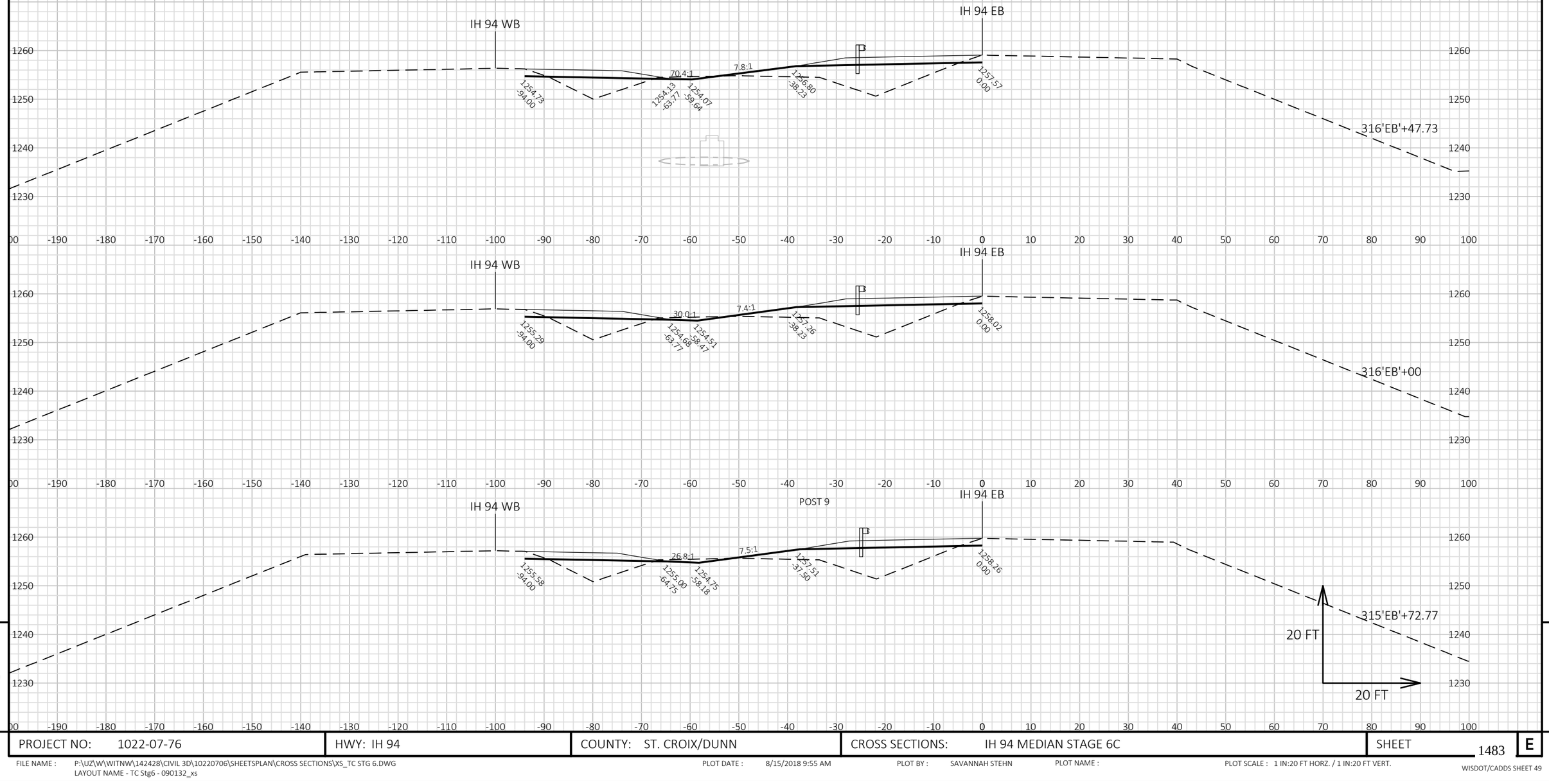
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1482	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090131_xs

PLOT DATE : 8/15/2018 9:54 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

STRUCTURES
B-55-0247
&
B-55-0248



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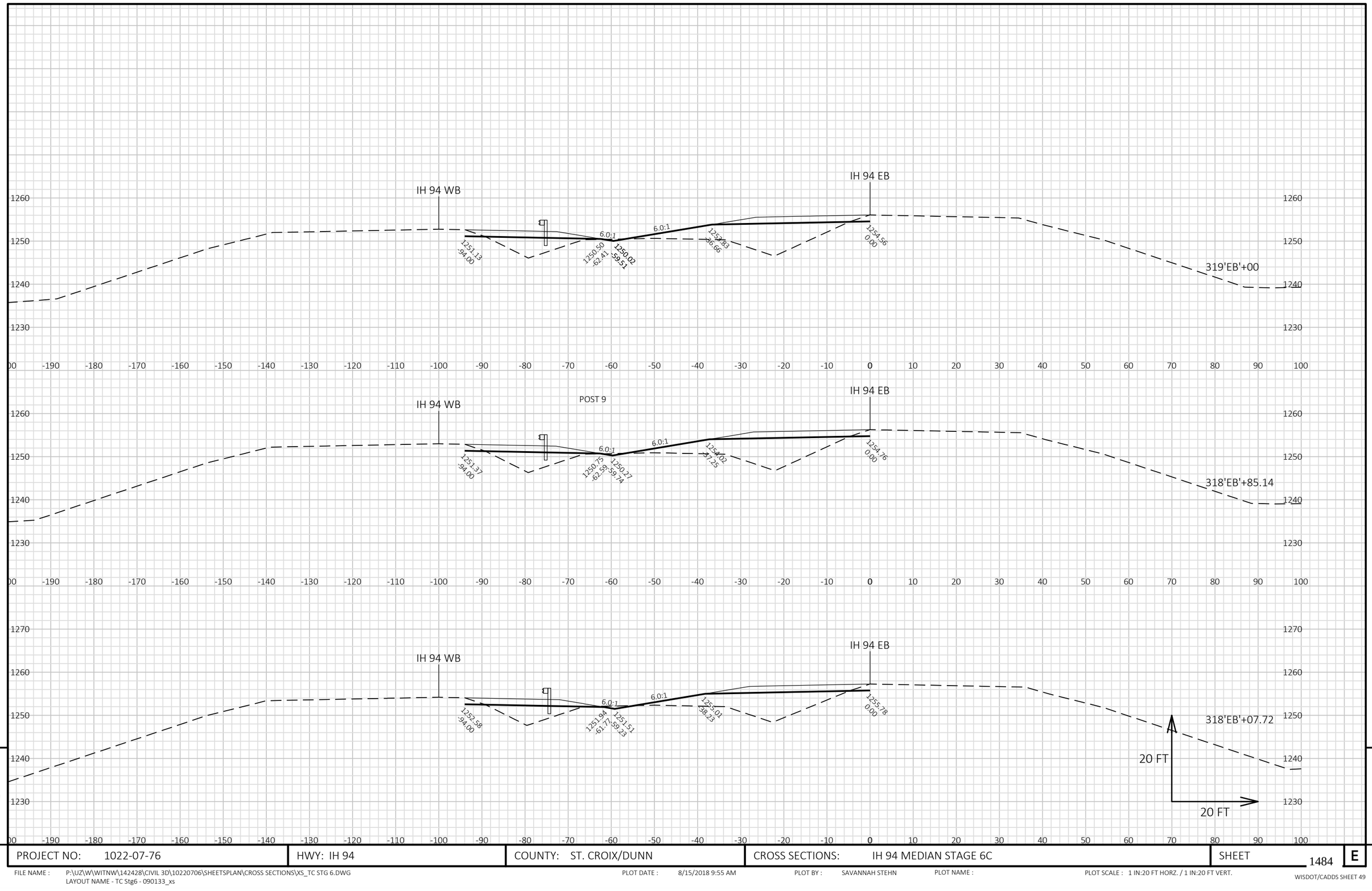
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1483 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090132_xs

PLOT DATE : 8/15/2018 9:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



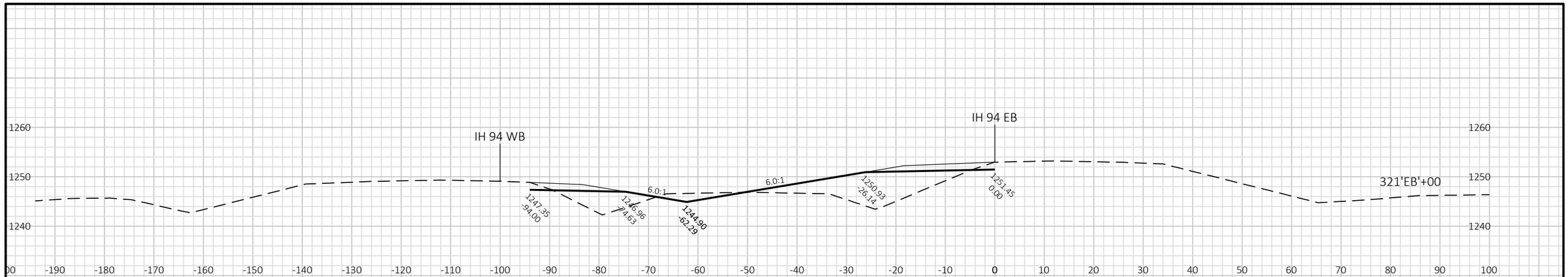
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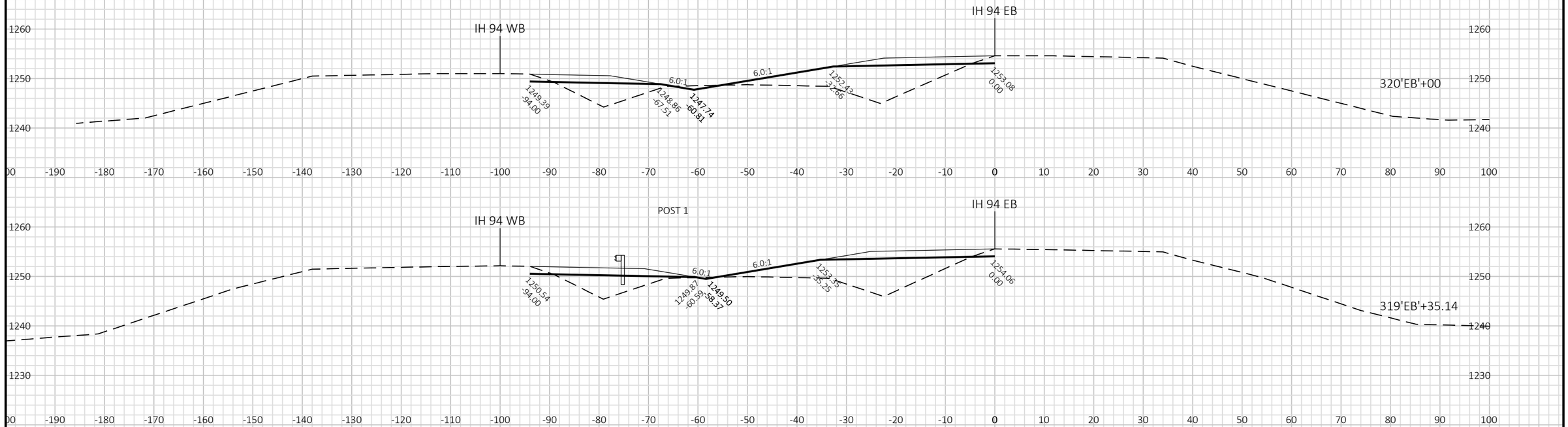
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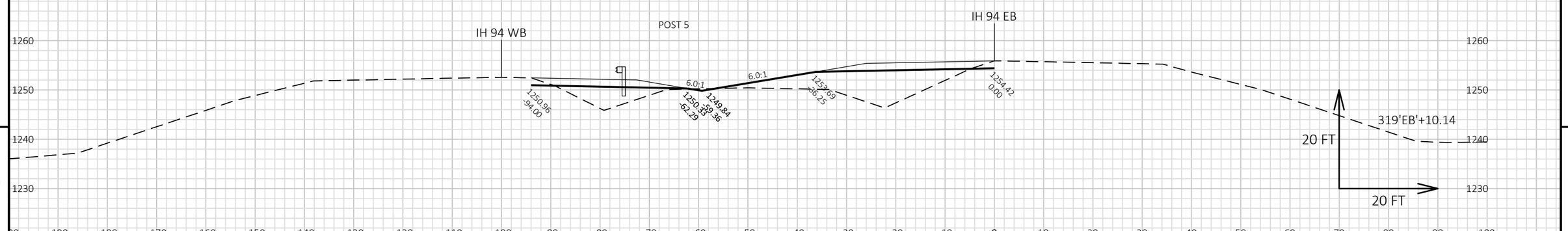
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FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090133_xs

PLOT DATE : 8/15/2018 9:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.







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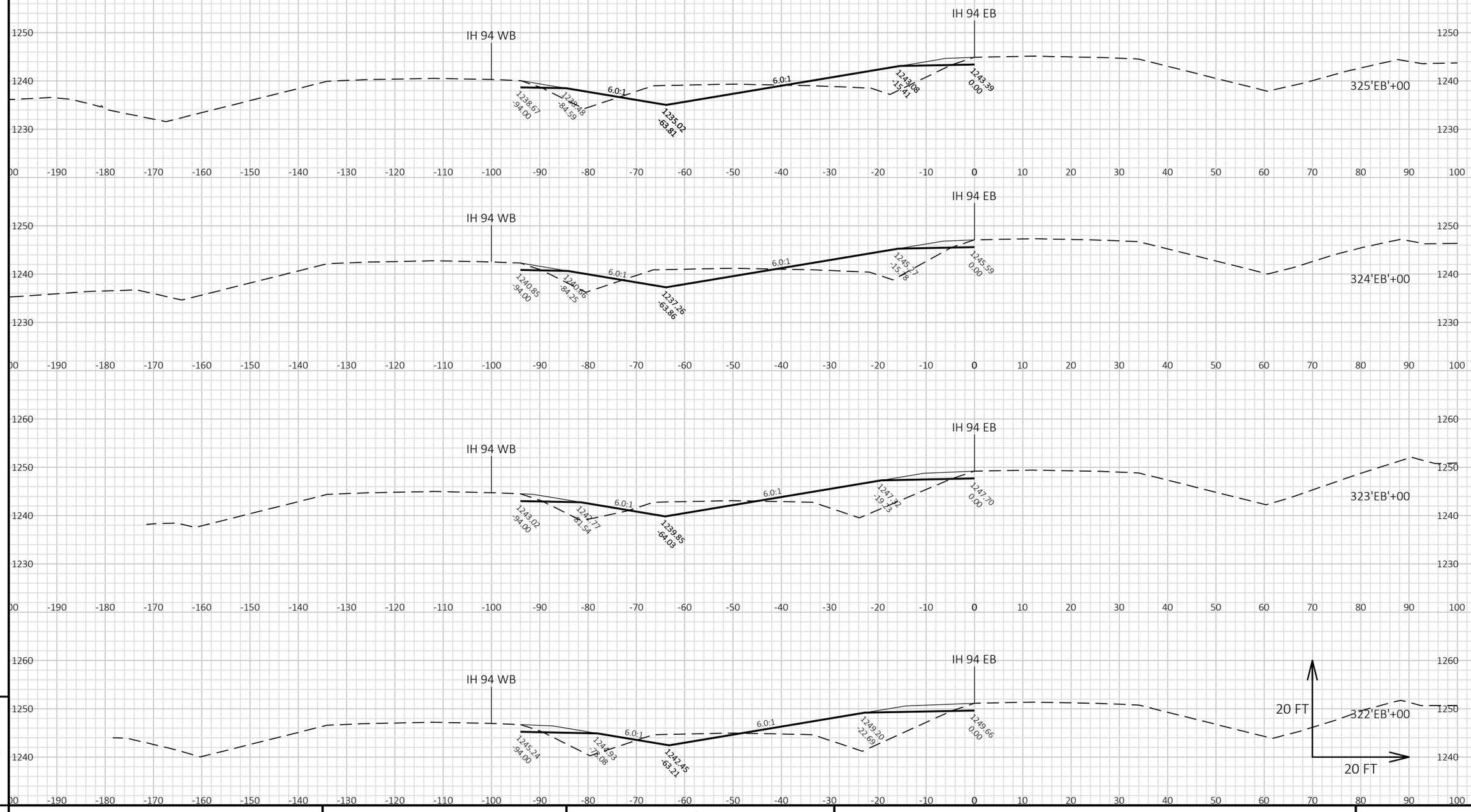
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1485	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090134_xs

PLOT DATE : 8/15/2018 9:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



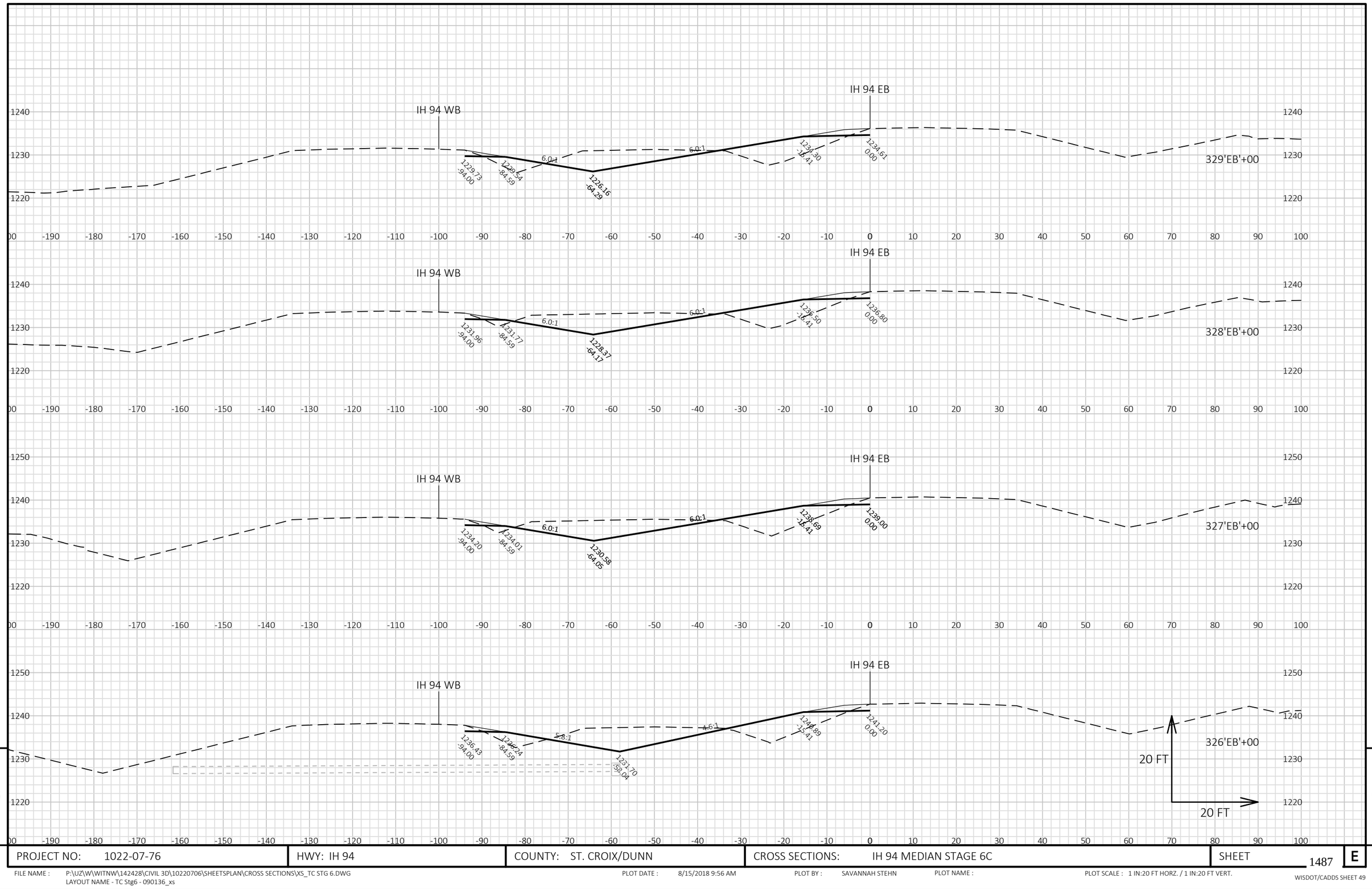
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1486 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090135_xs

PLOT DATE : 8/15/2018 9:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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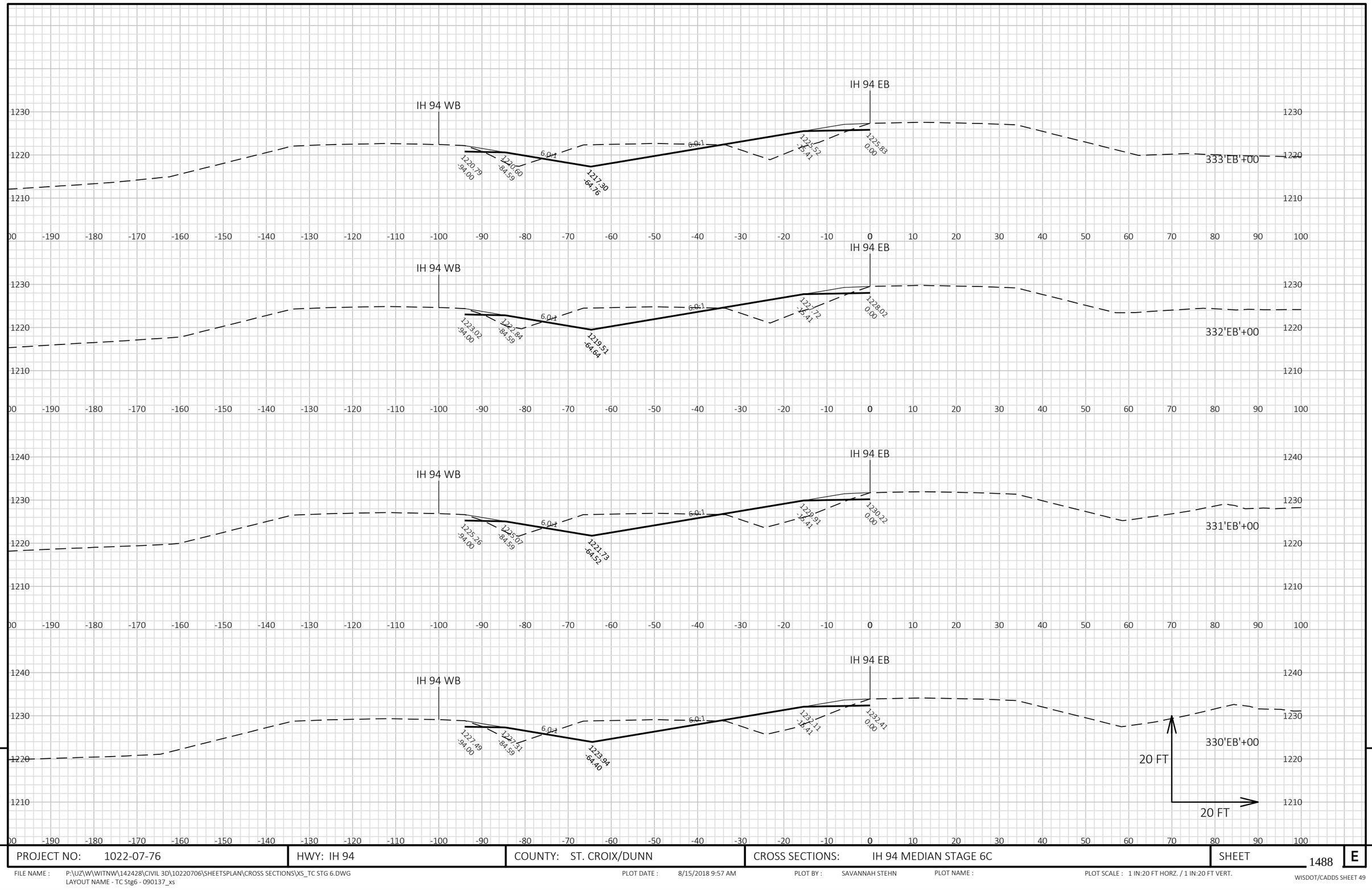
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FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090136_xs

PLOT DATE : 8/15/2018 9:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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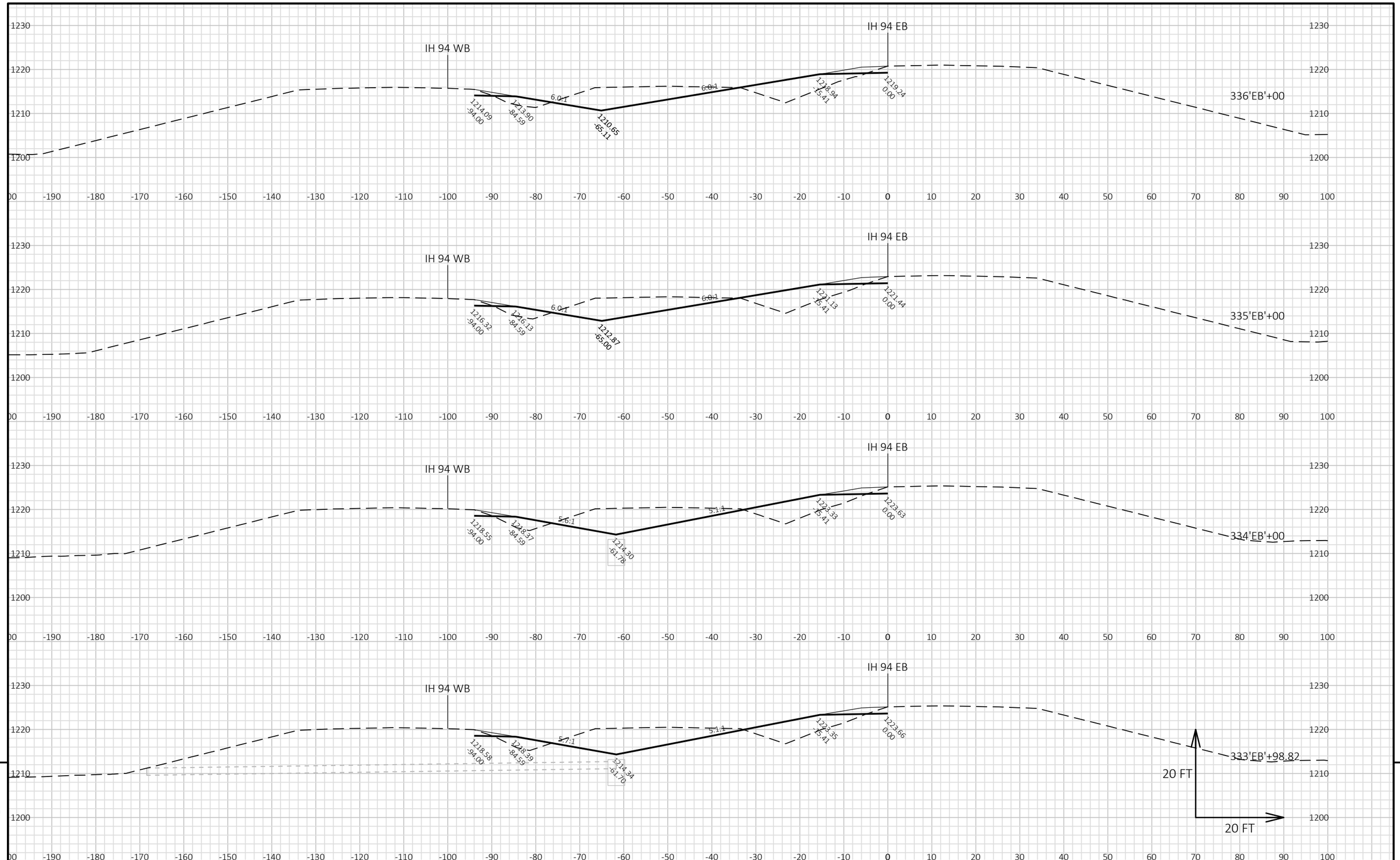
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1488 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090137_xs

PLOT DATE : 8/15/2018 9:57 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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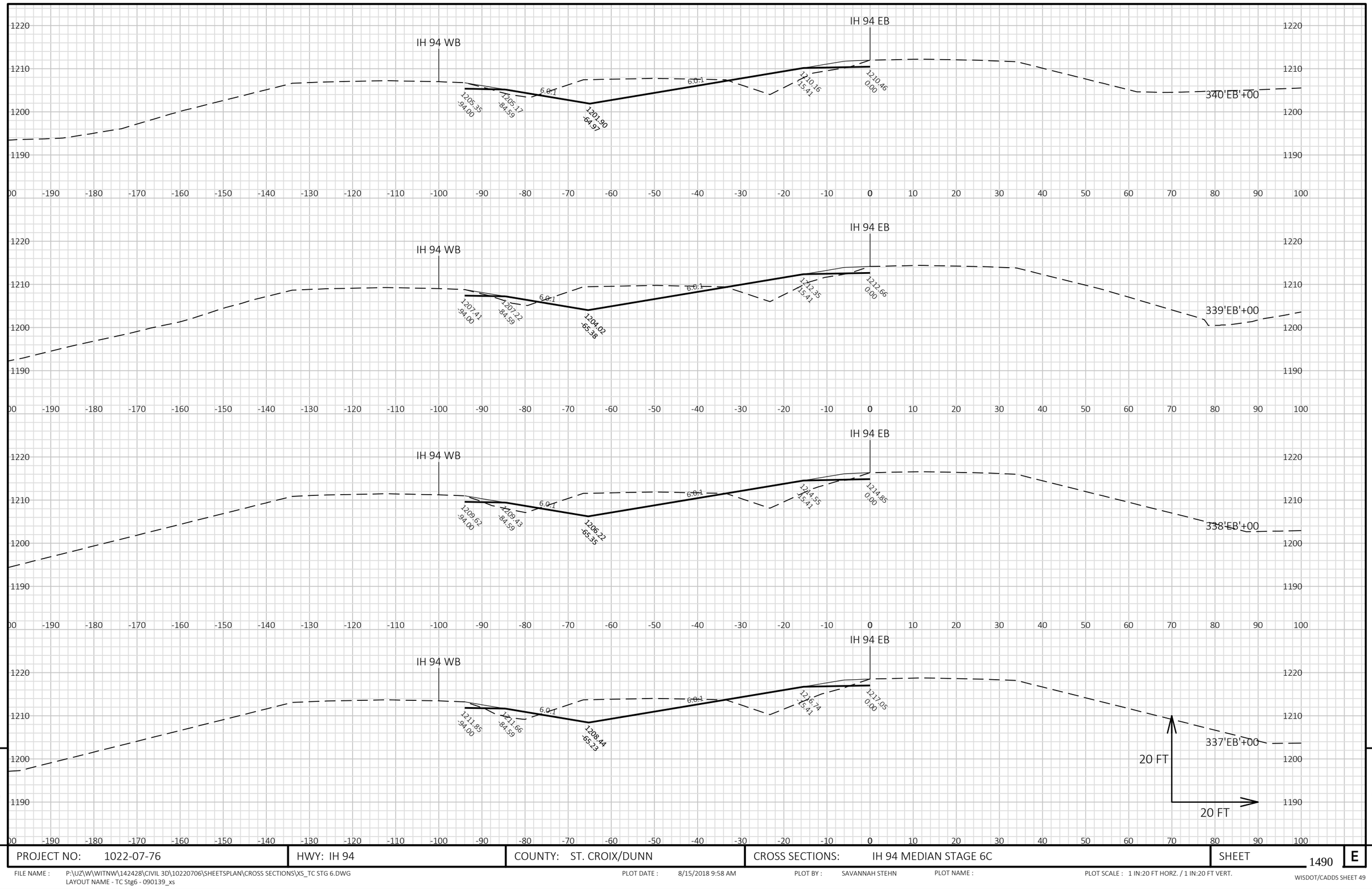
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1489	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090138_xs

PLOT DATE : 8/15/2018 9:57 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

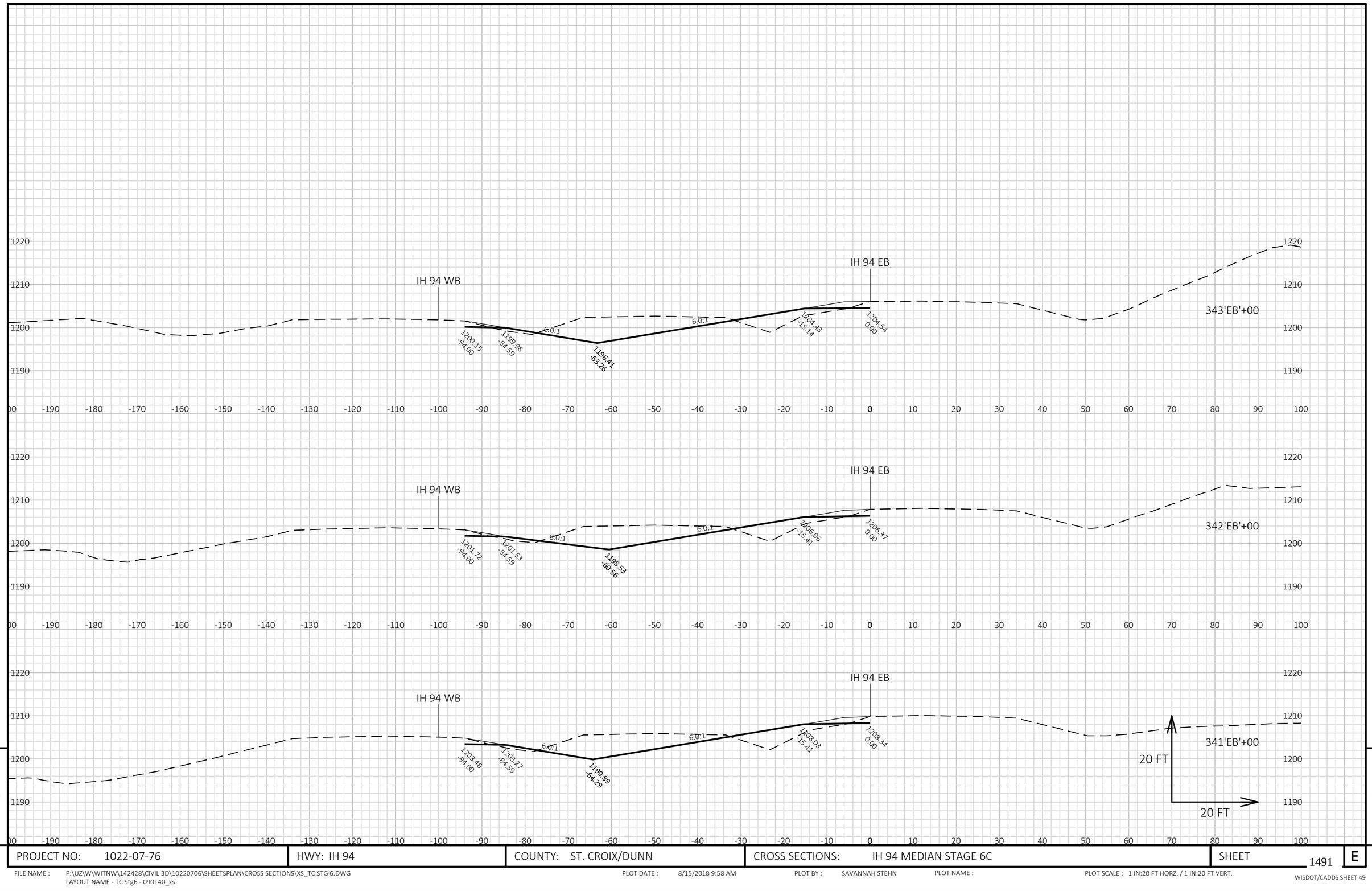


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1490	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090139_xs

PLOT DATE : 8/15/2018 9:58 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



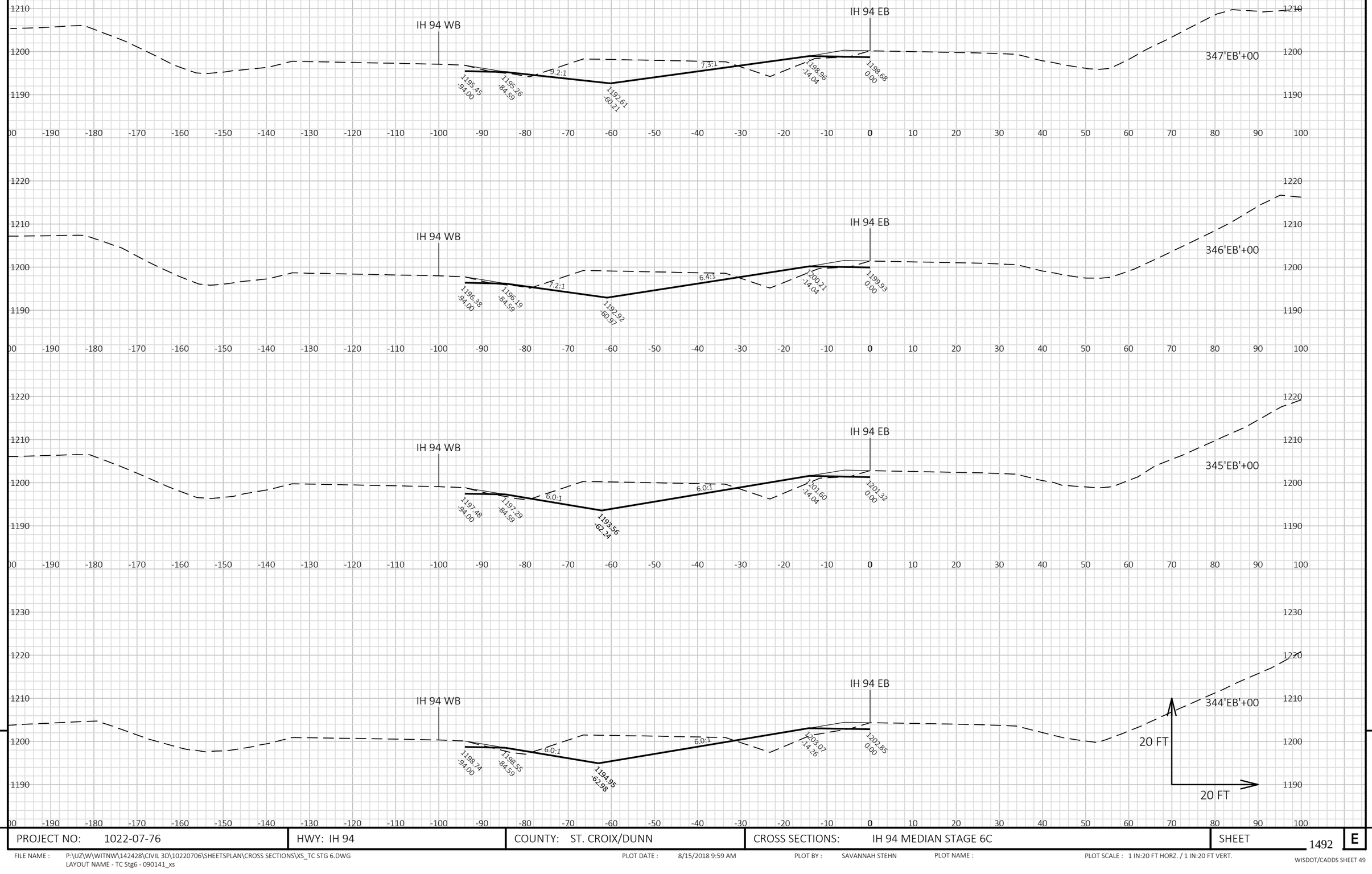
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1491	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090140_xs

PLOT DATE : 8/15/2018 9:58 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



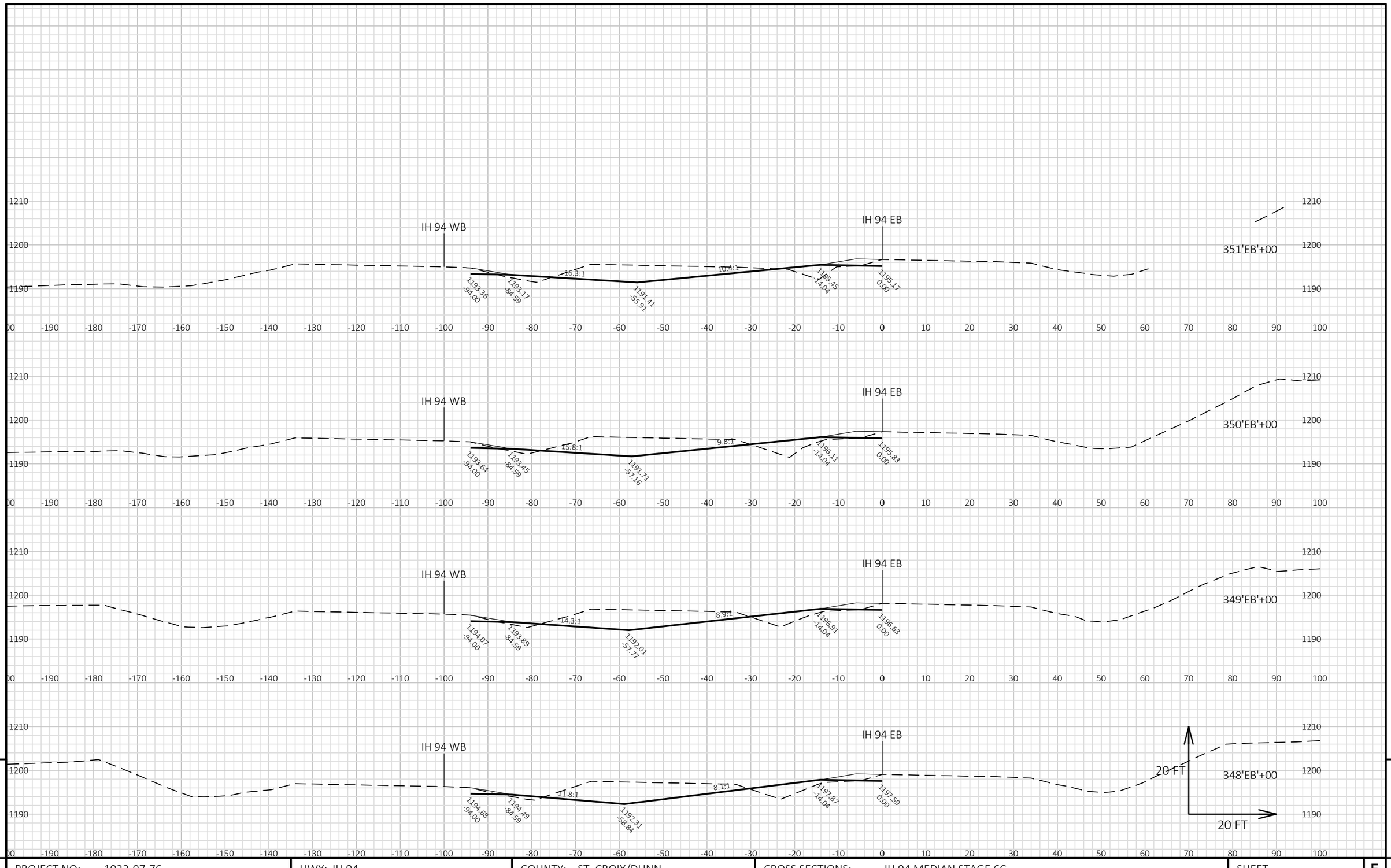
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1492	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090141_xs

PLOT DATE : 8/15/2018 9:59 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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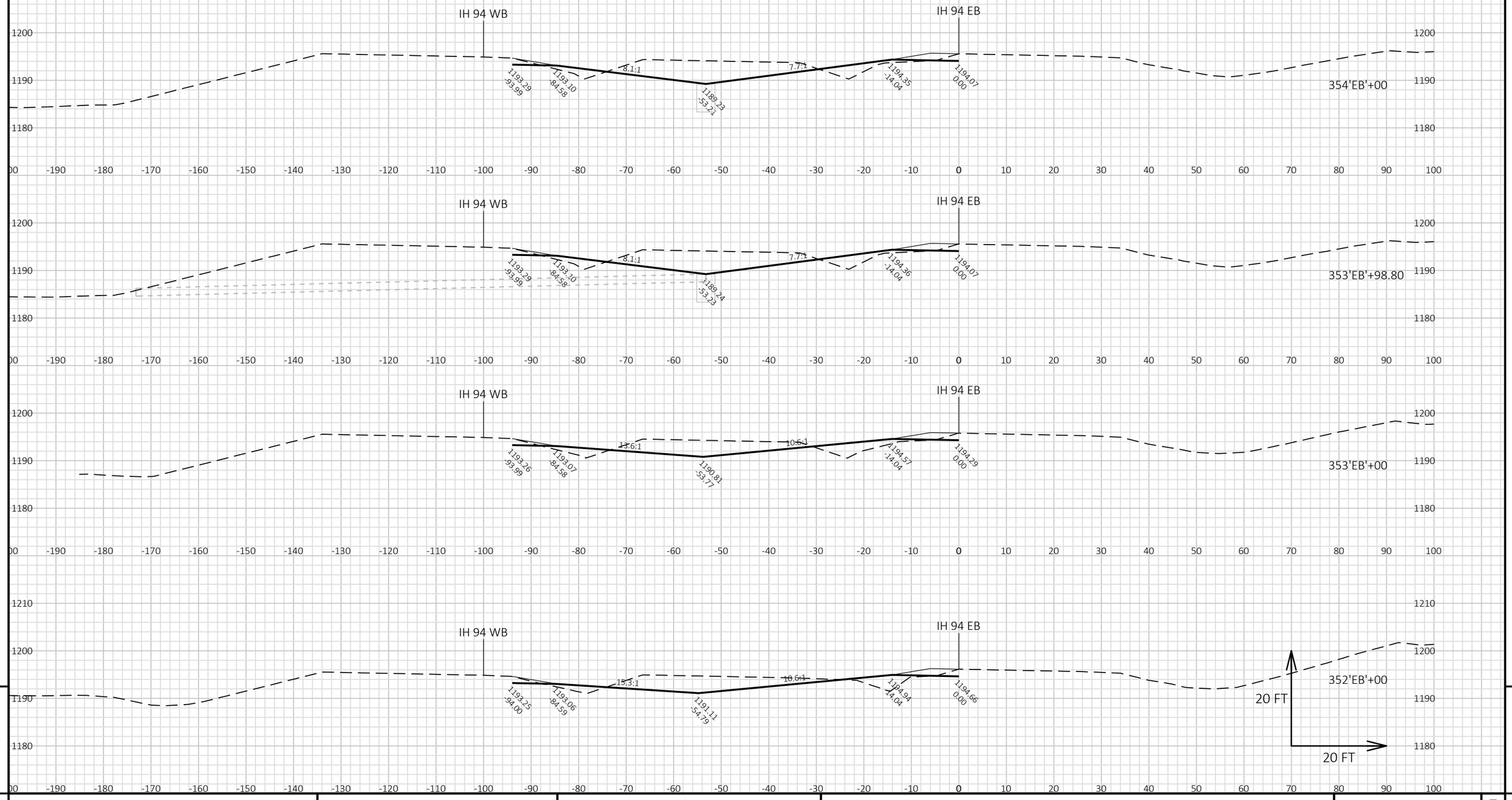
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1493	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090142_xs

PLOT DATE : 8/15/2018 9:59 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



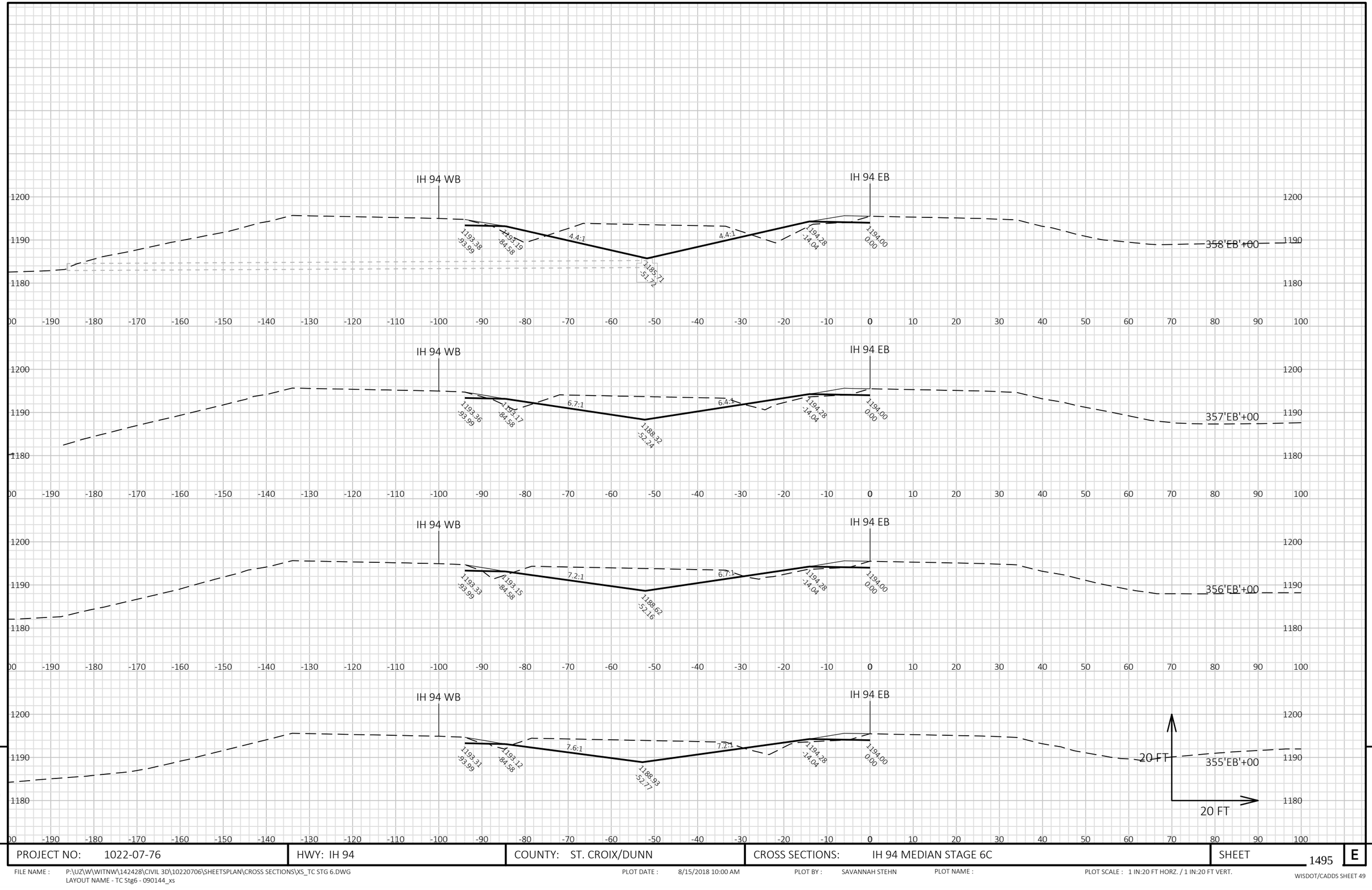
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1494	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090143_xs

PLOT DATE : 8/15/2018 9:59 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



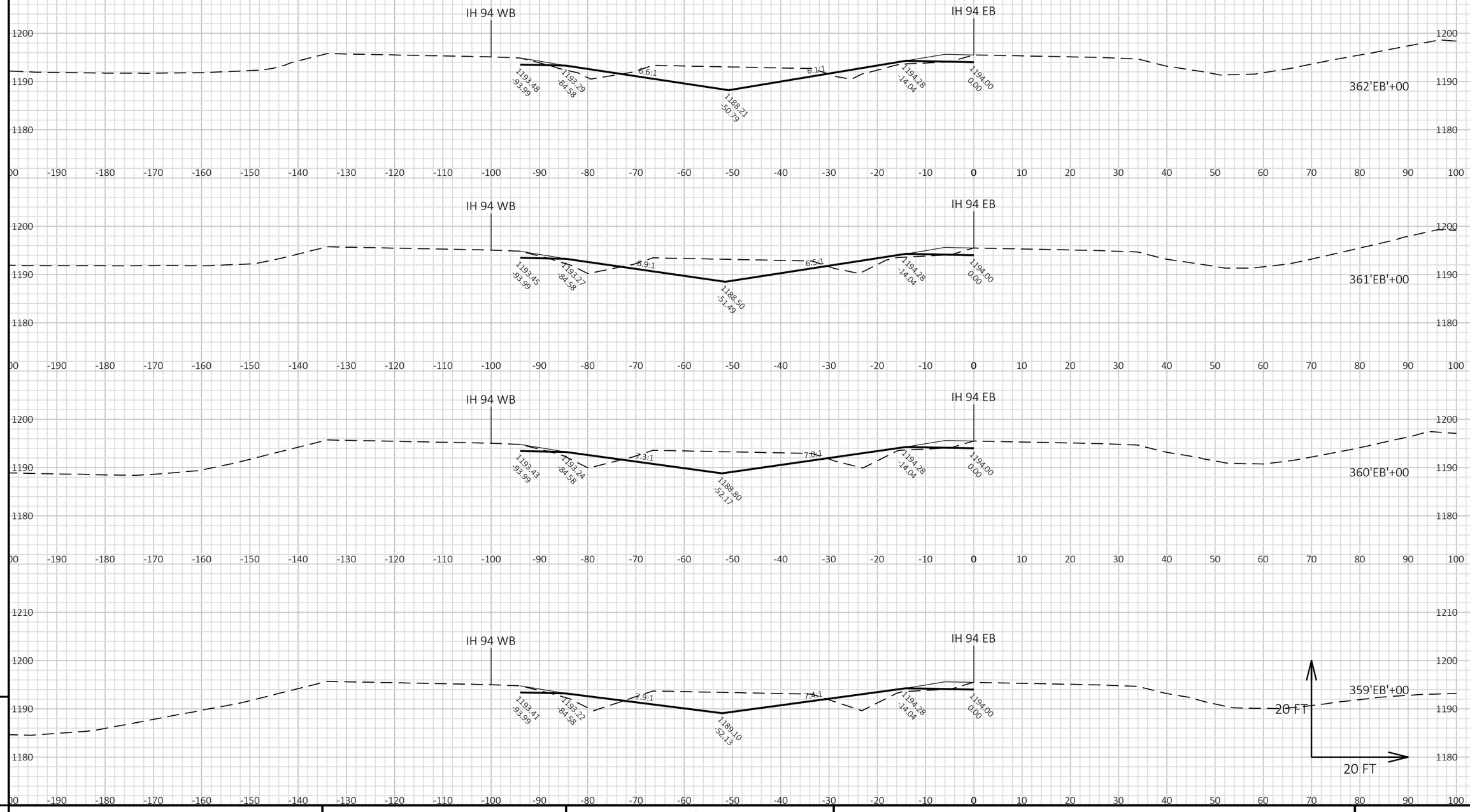
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1495	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090144_xs

PLOT DATE : 8/15/2018 10:00 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



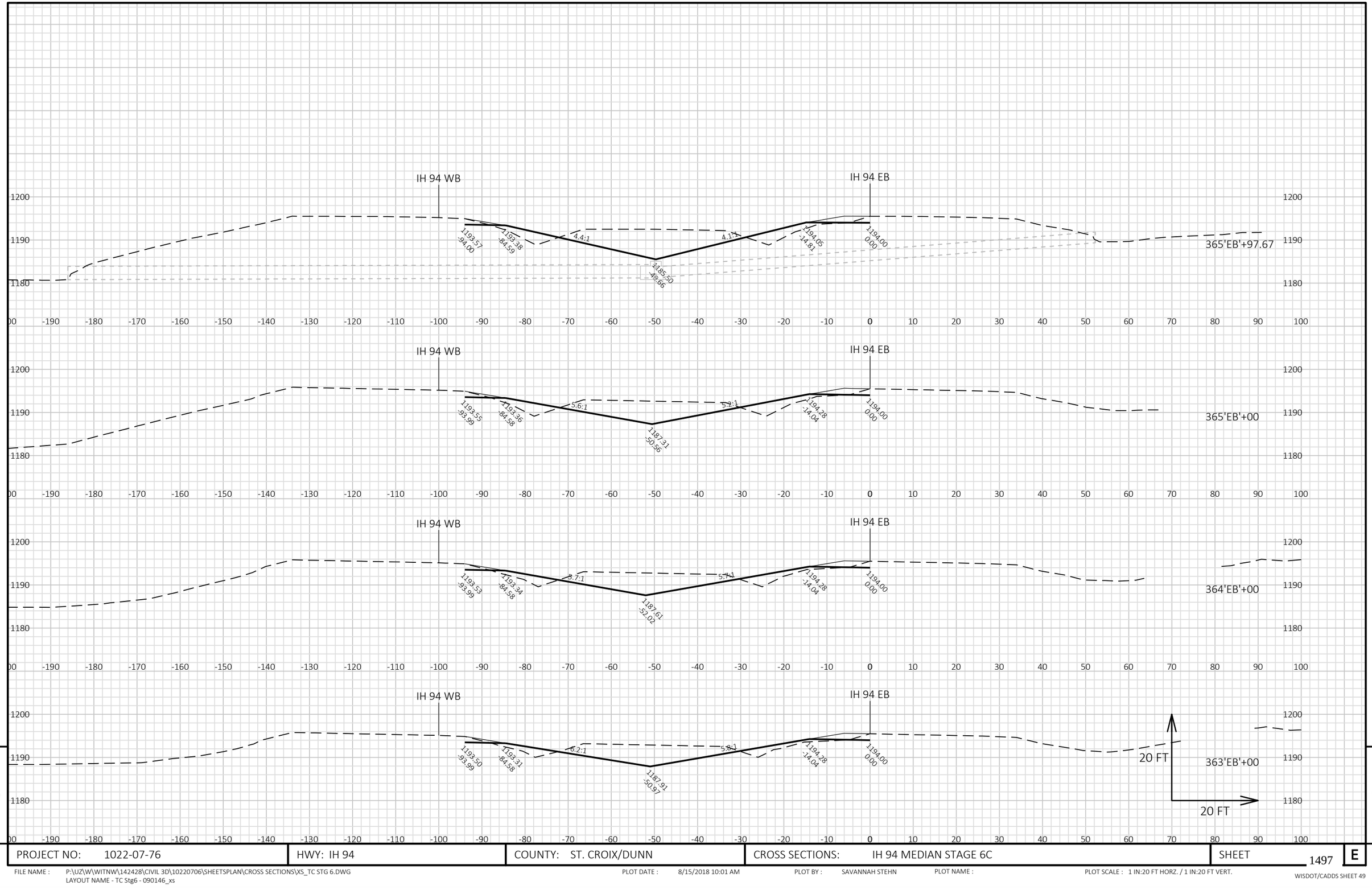
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1496	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090145_xs

PLOT DATE : 8/15/2018 10:00 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



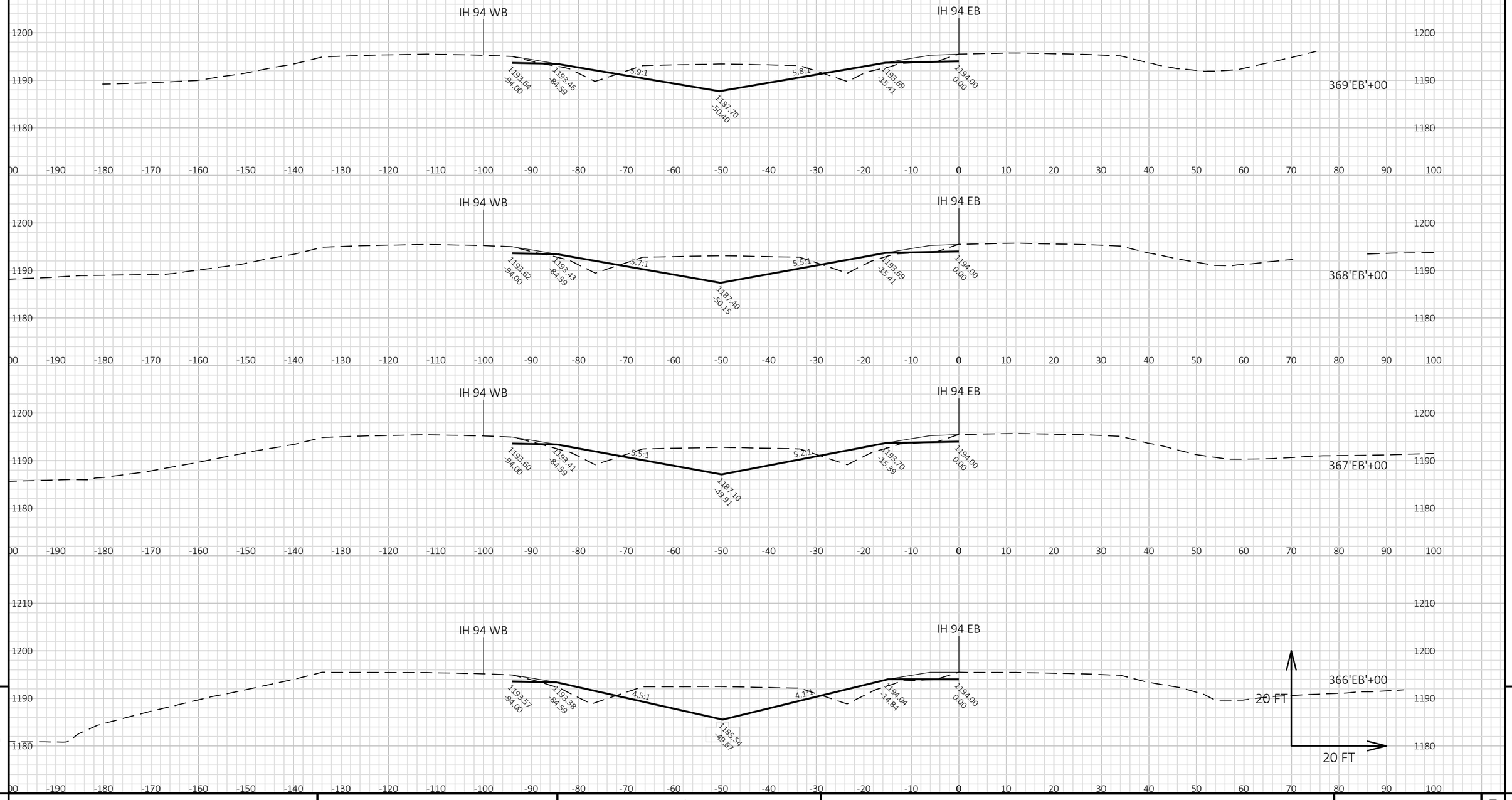
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1497	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090146_xs

PLOT DATE : 8/15/2018 10:01 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



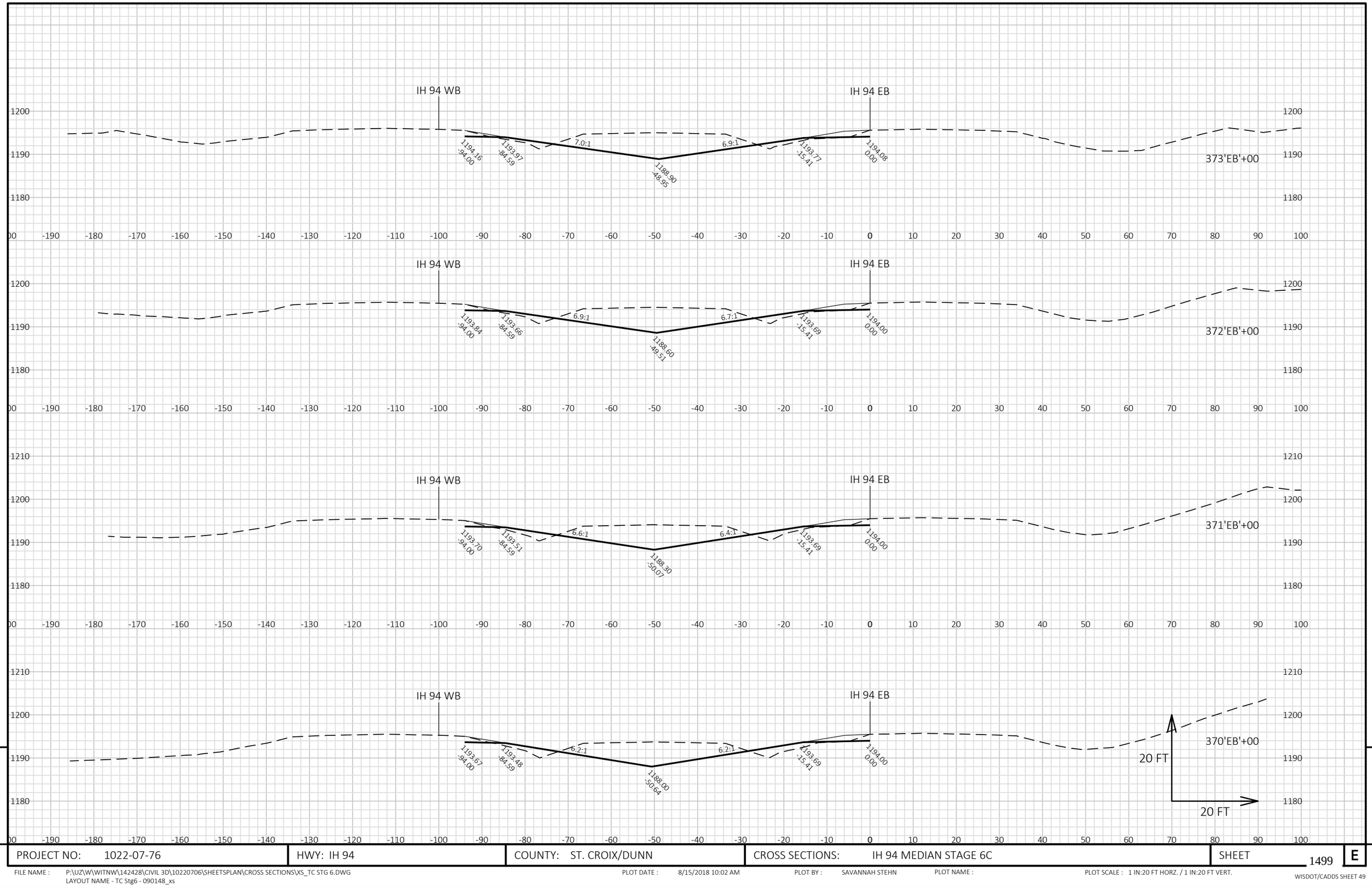
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1498	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090147_xs

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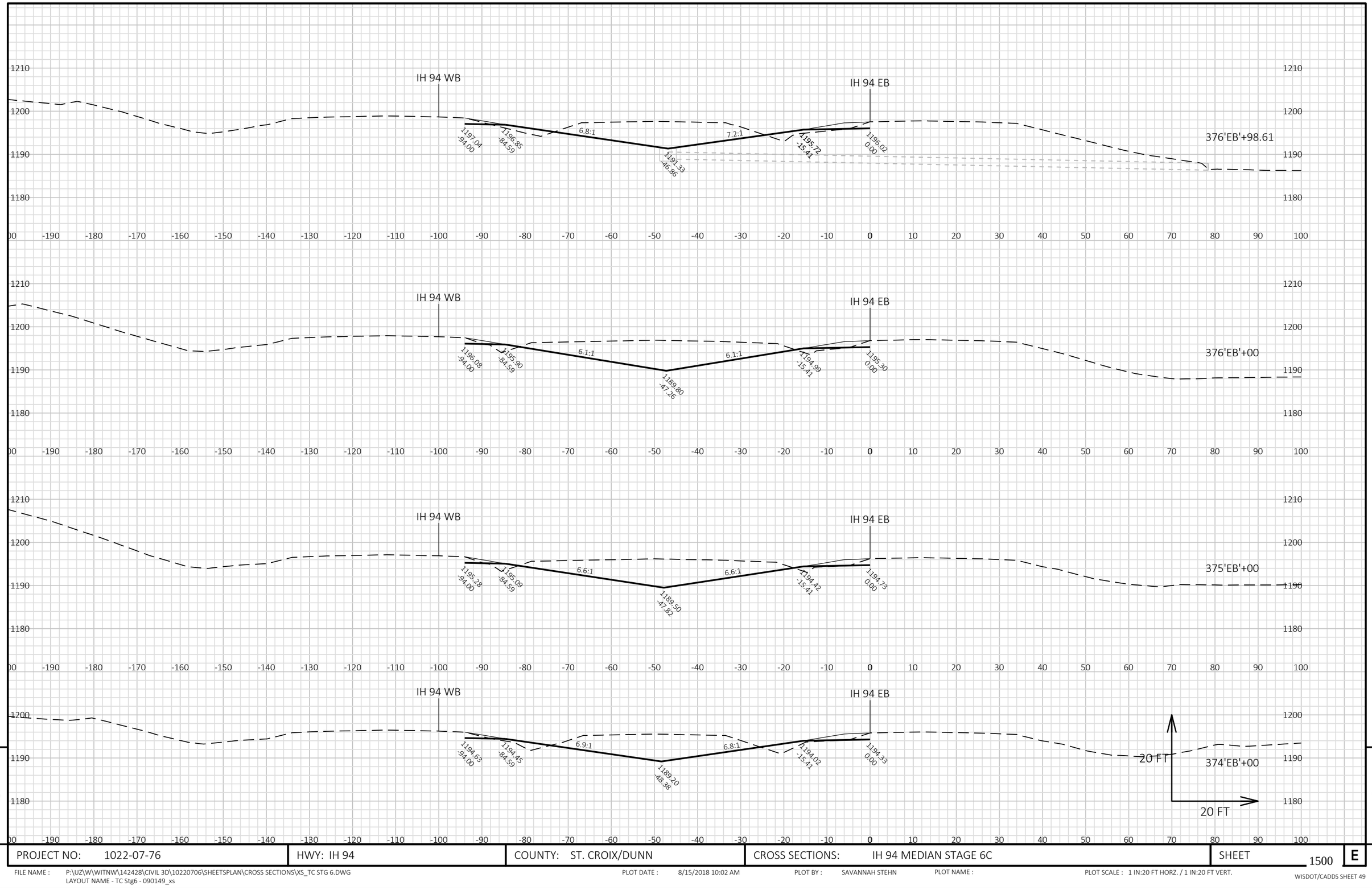
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1499	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090148_xs

PLOT DATE : 8/15/2018 10:02 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



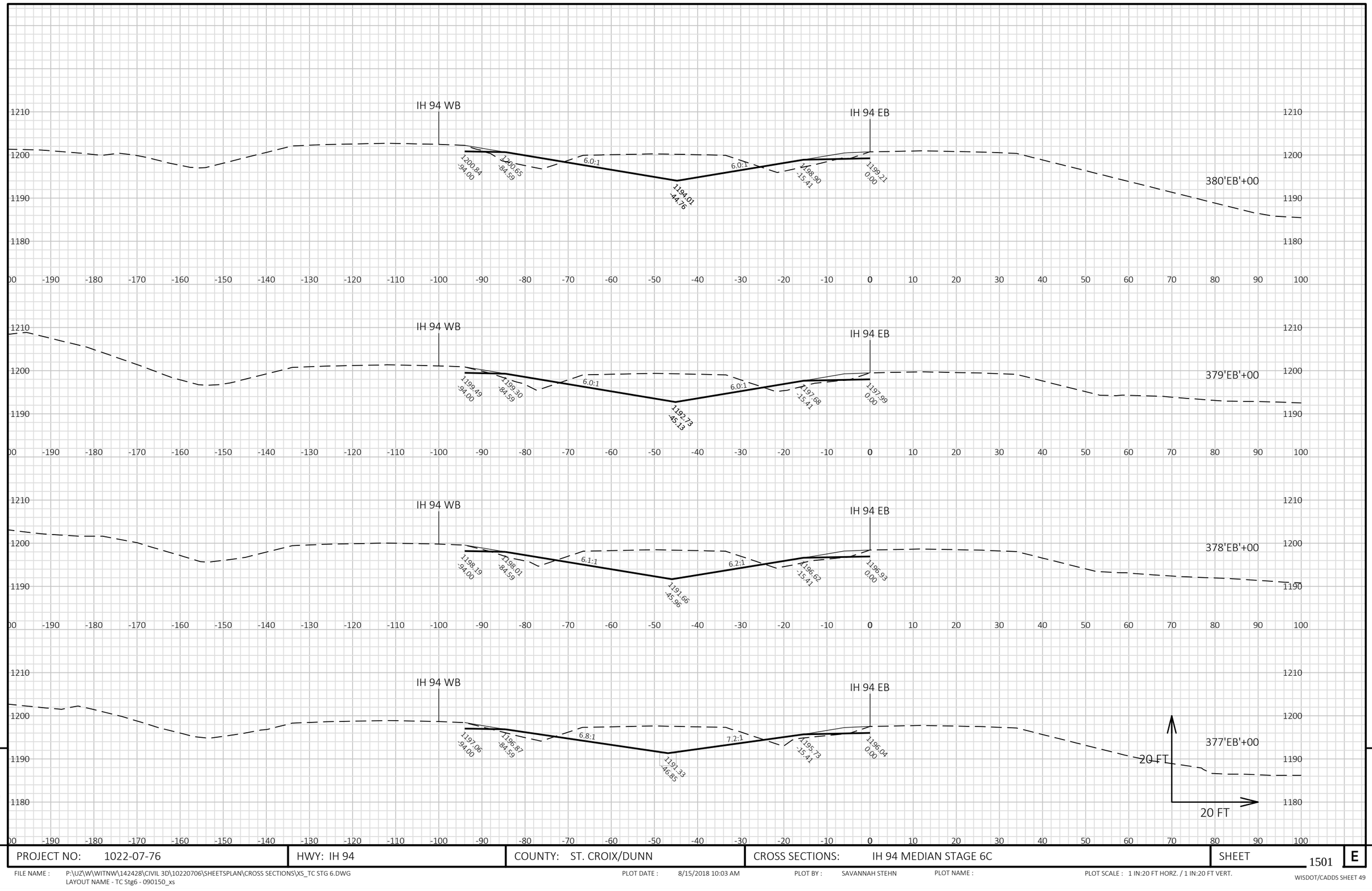
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1500	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090149_xs

PLOT DATE : 8/15/2018 10:02 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



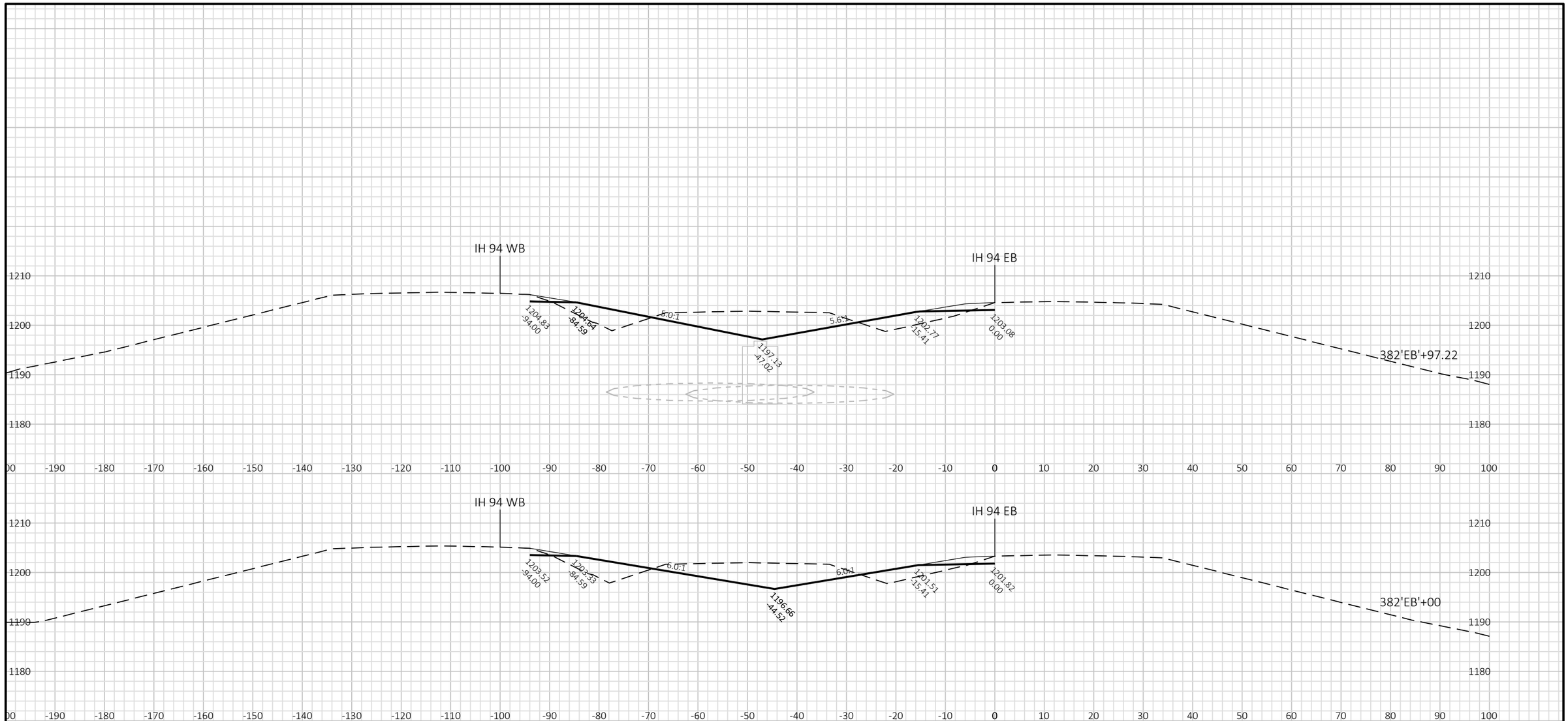
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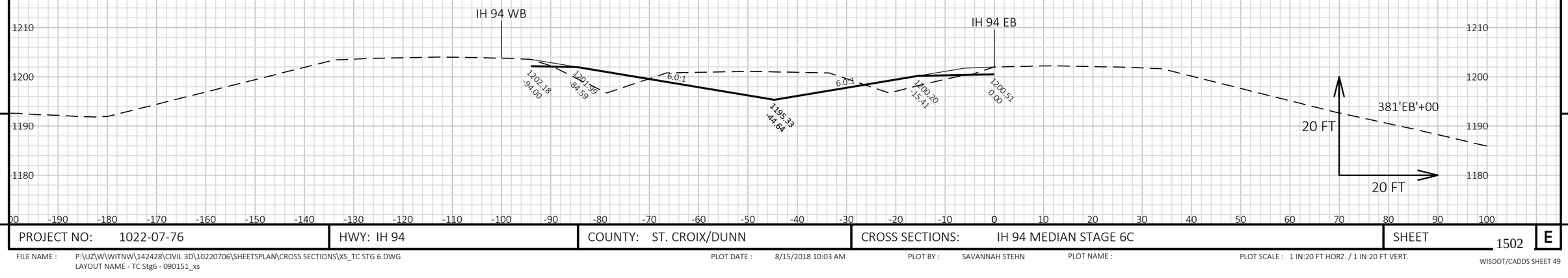
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1501	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090150_xs

PLOT DATE : 8/15/2018 10:03 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1502 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090151_xs

PLOT DATE : 8/15/2018 10:03 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

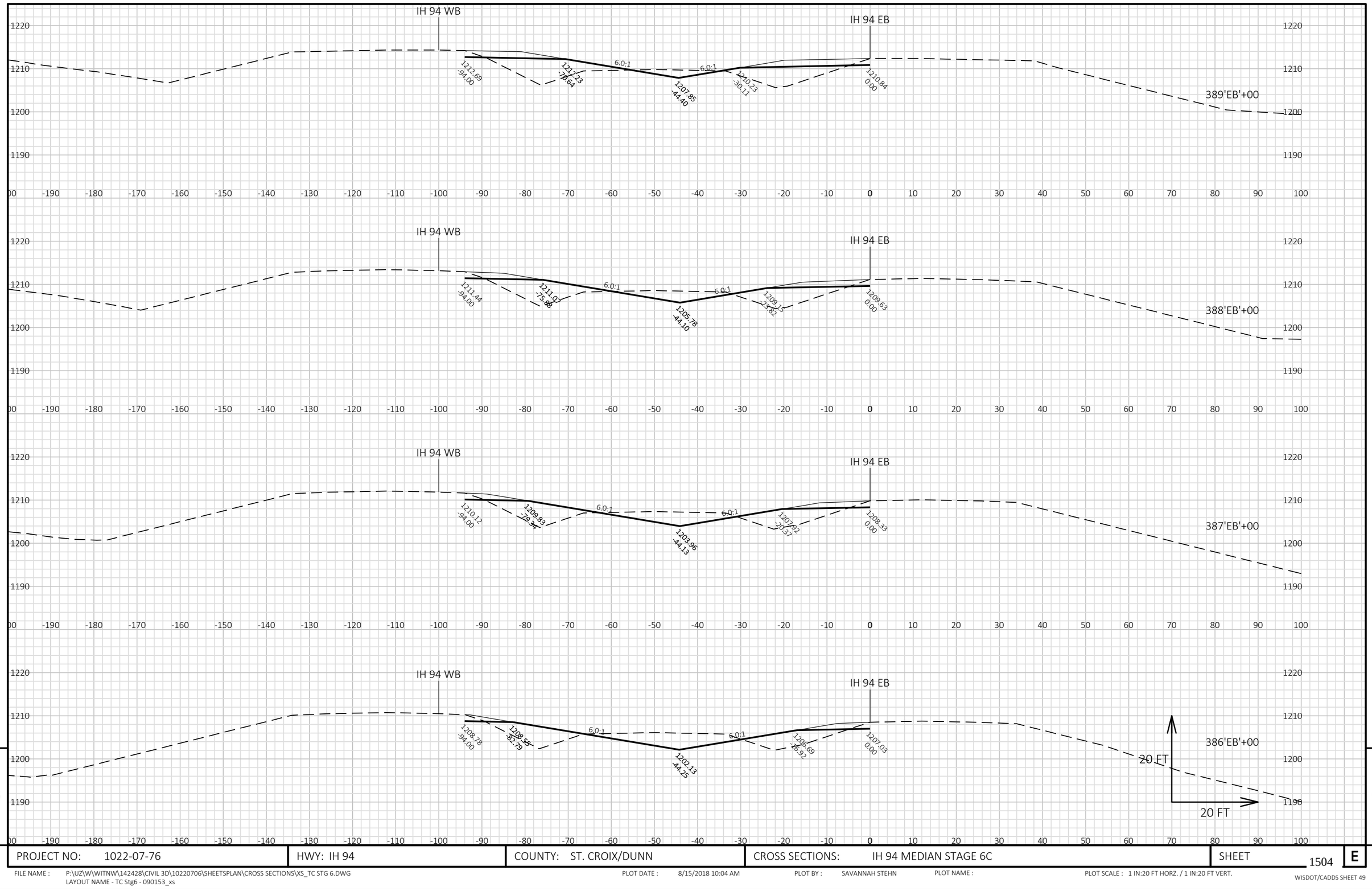
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1503	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090152_xs

PLOT DATE : 8/15/2018 10:04 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1504	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090153_xs

PLOT DATE : 8/15/2018 10:04 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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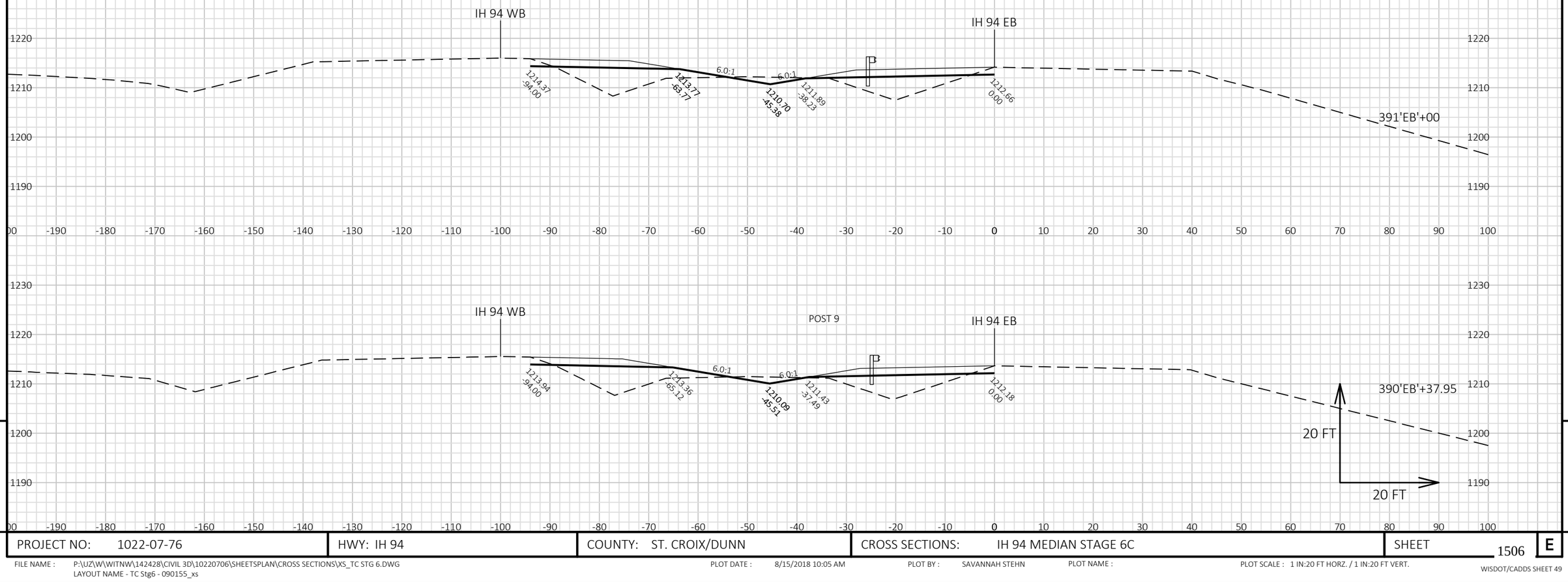
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1505 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090154_xs

PLOT DATE : 8/15/2018 10:05 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

STRUCTURES
B-55-0245
&
B-55-0246



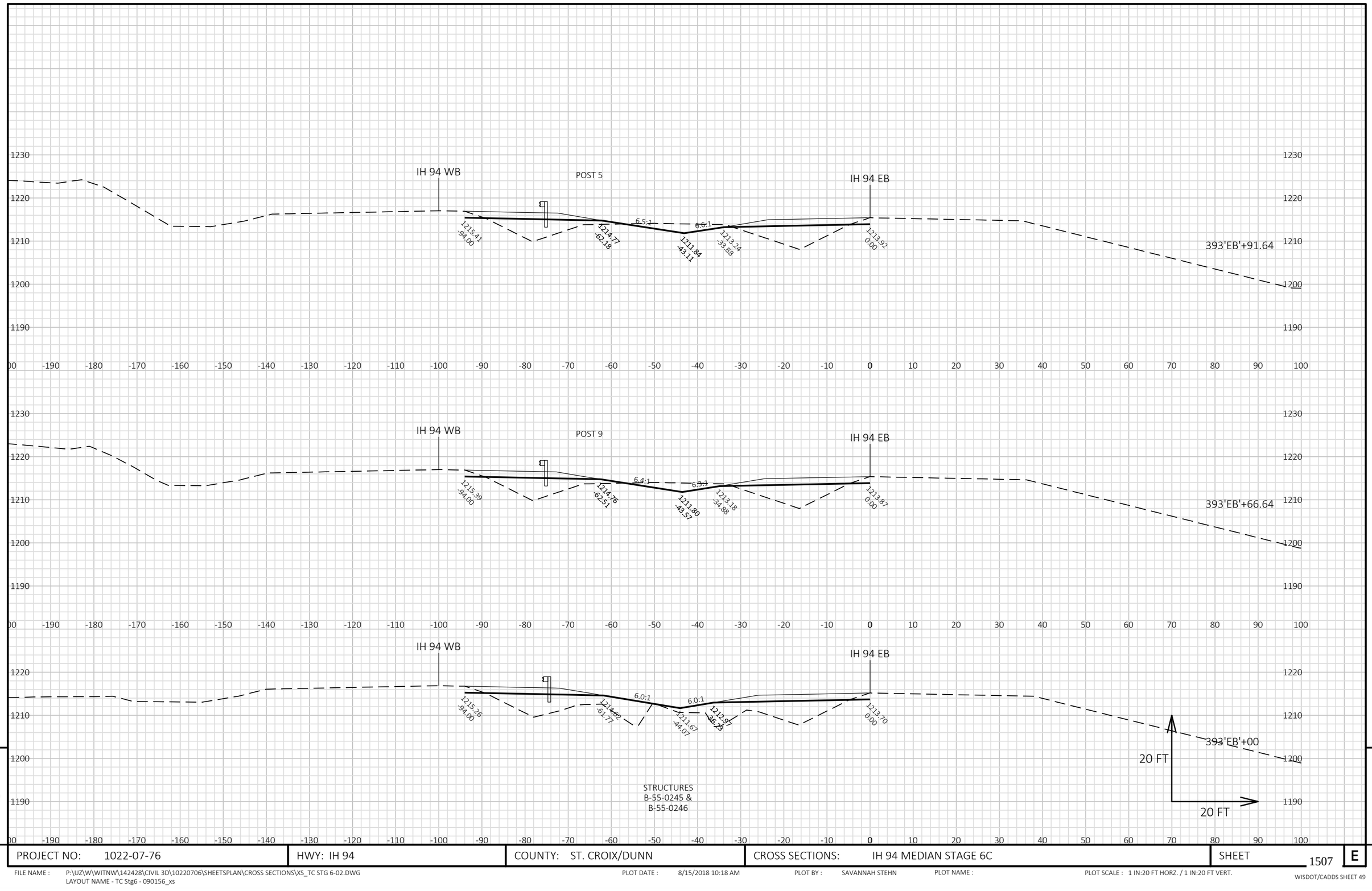
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1506	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6.DWG
LAYOUT NAME - TC Stg6 - 090155_xs

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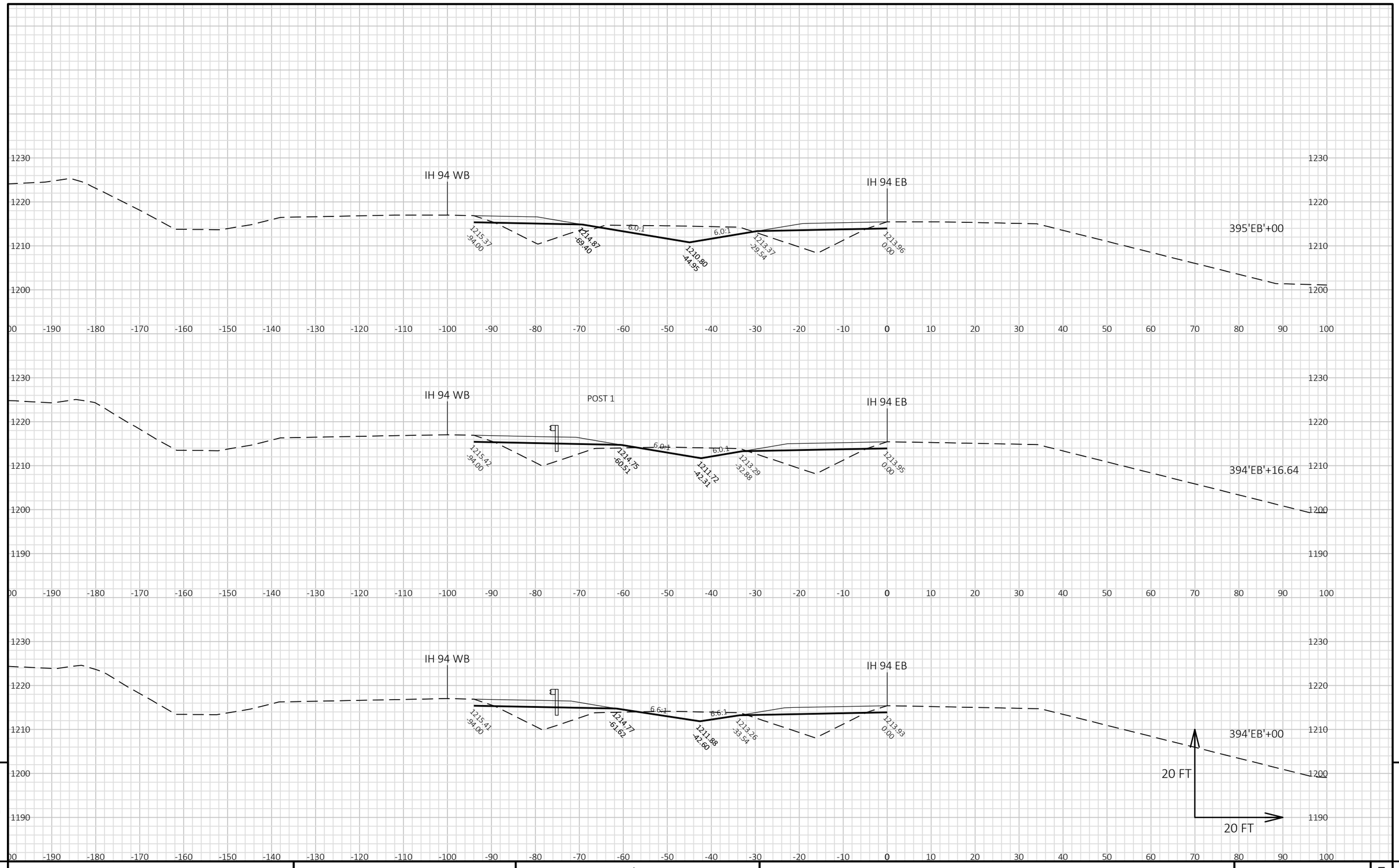
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1507	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090156_xs

PLOT DATE : 8/15/2018 10:18 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



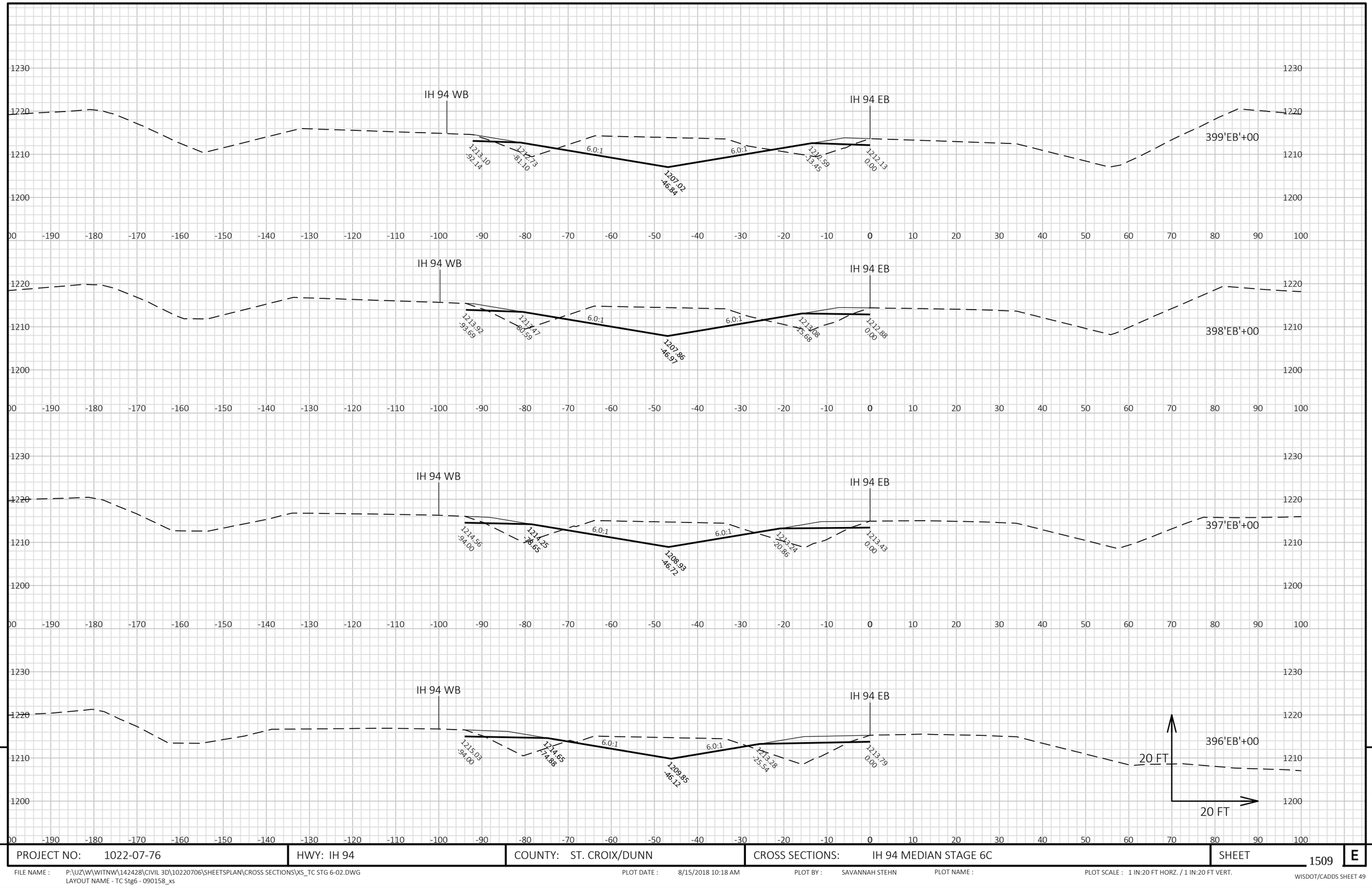
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1508	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090157_xs

PLOT DATE : 8/15/2018 10:18 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



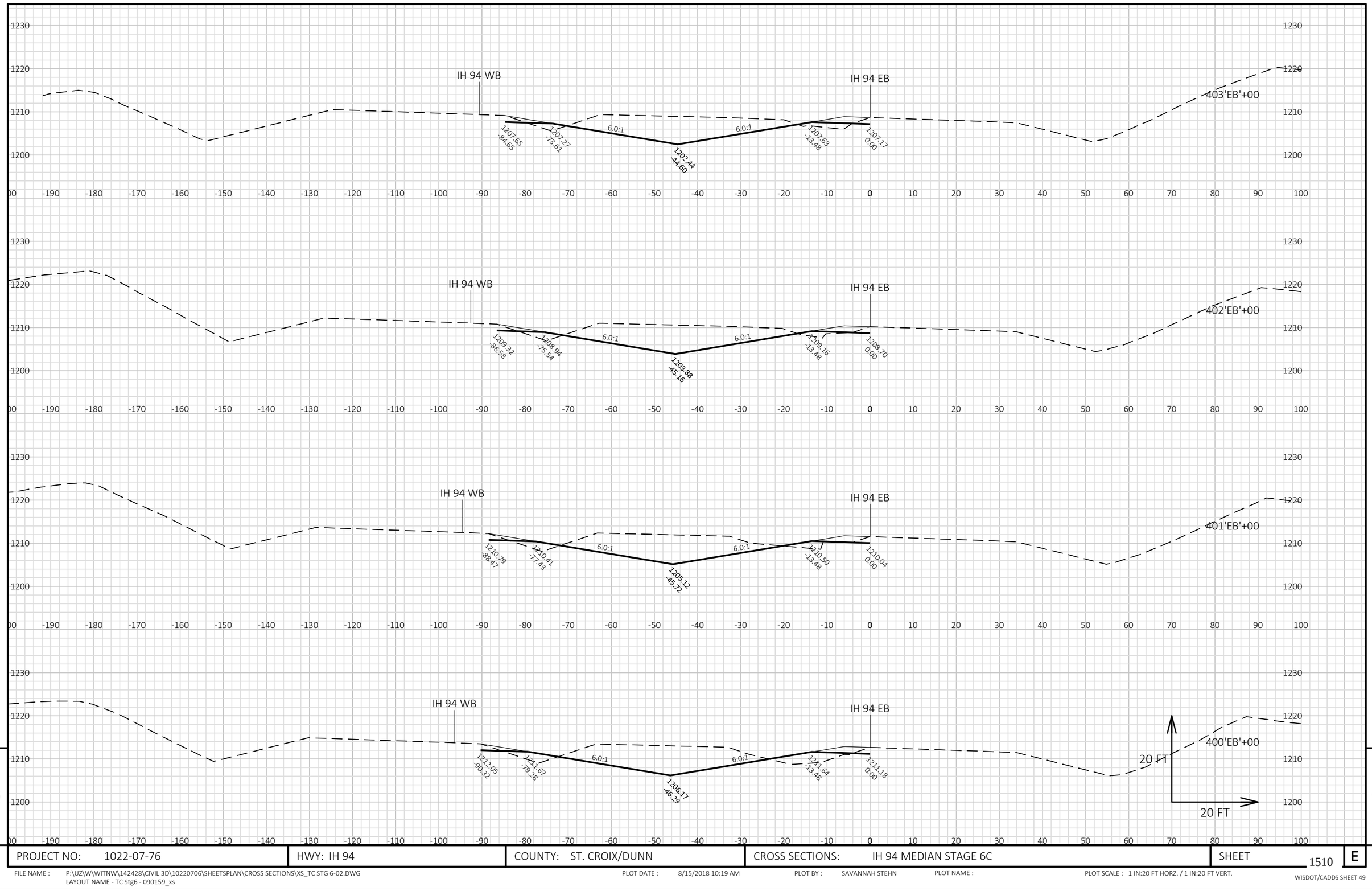
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1509	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090158_xs

PLOT DATE : 8/15/2018 10:18 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



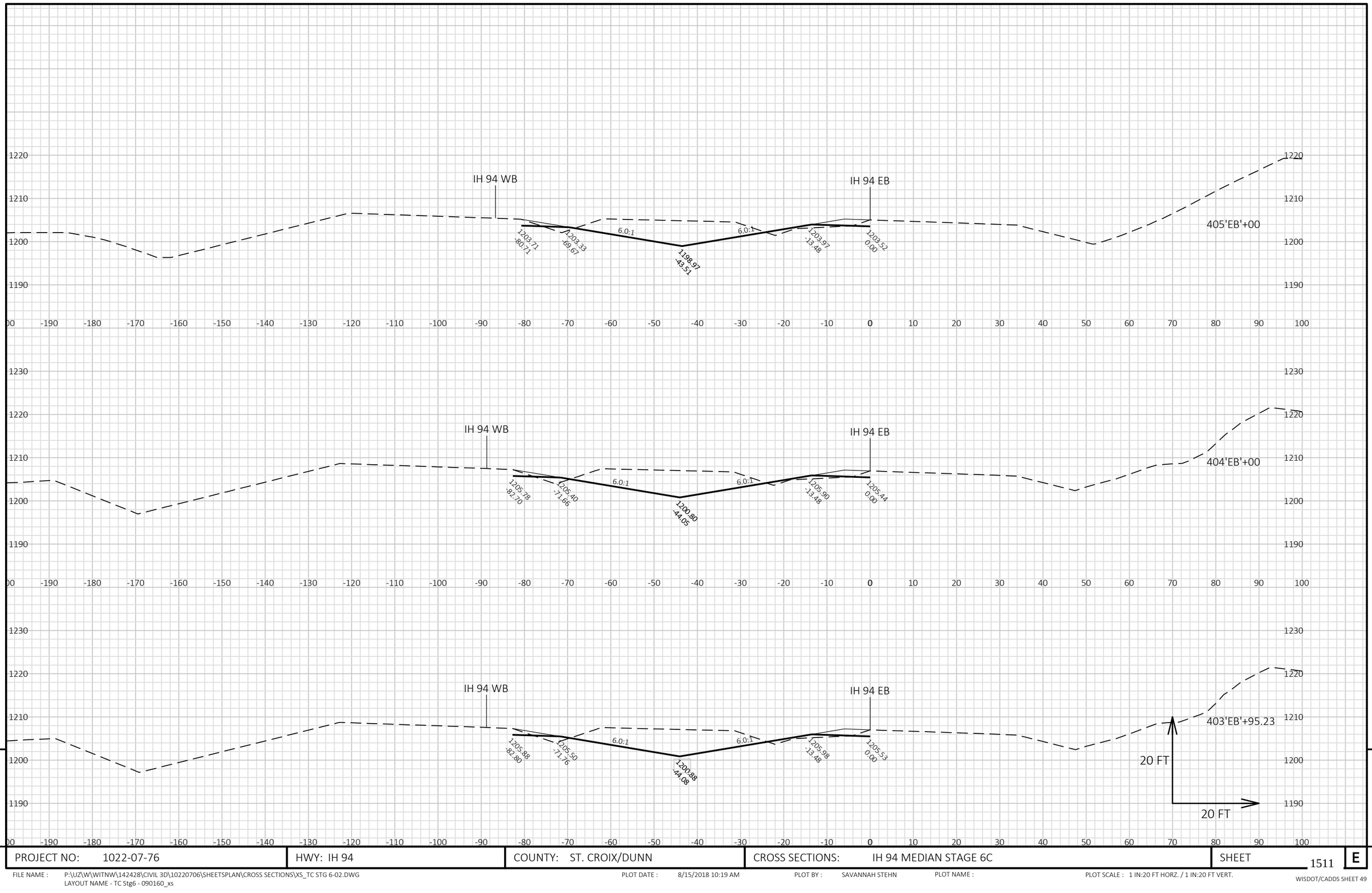
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1510	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090159_xs

PLOT DATE : 8/15/2018 10:19 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1511	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090160_xs

PLOT DATE : 8/15/2018 10:19 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

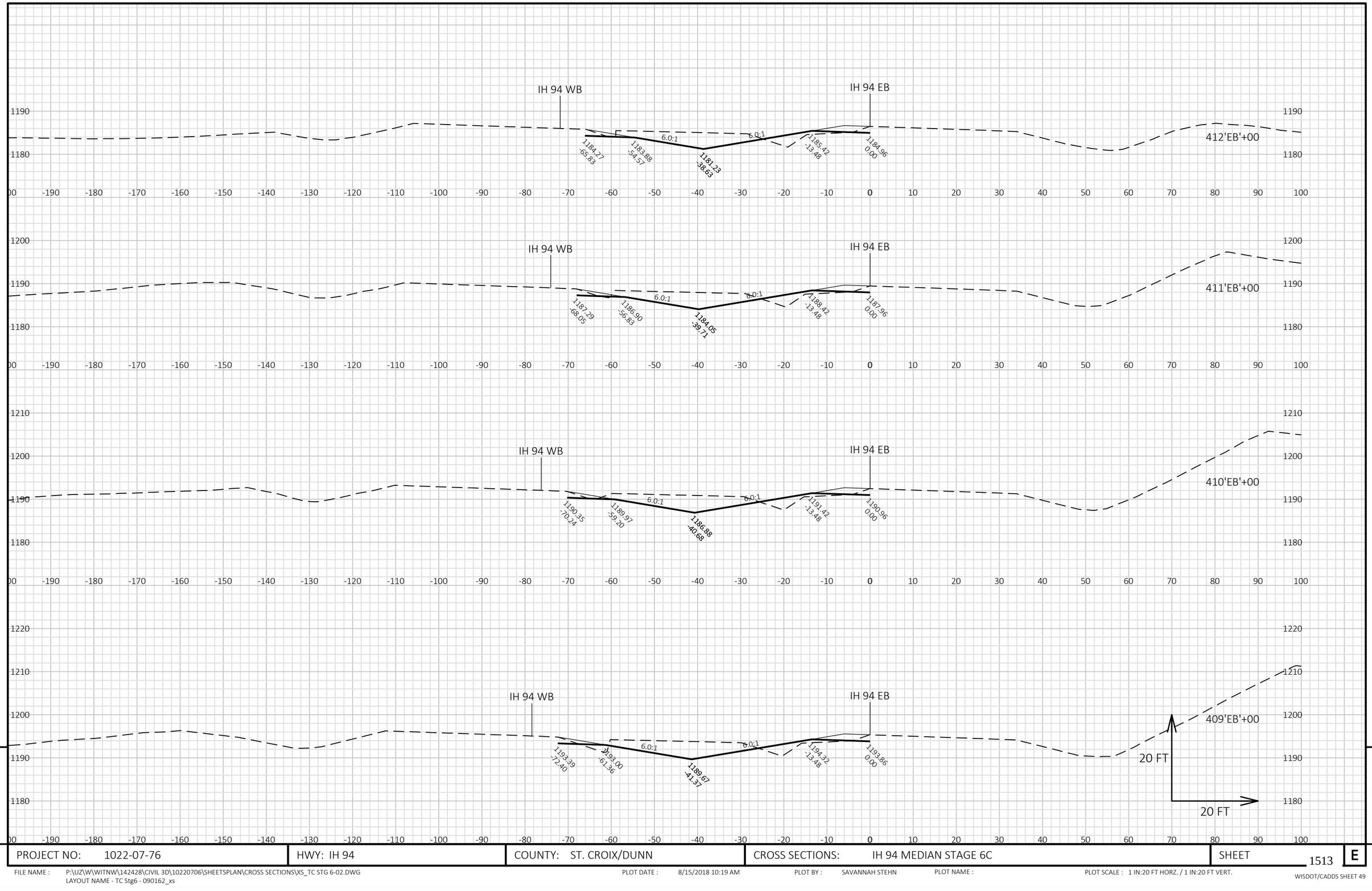
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1512	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090161_xs

PLOT DATE : 8/15/2018 10:19 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



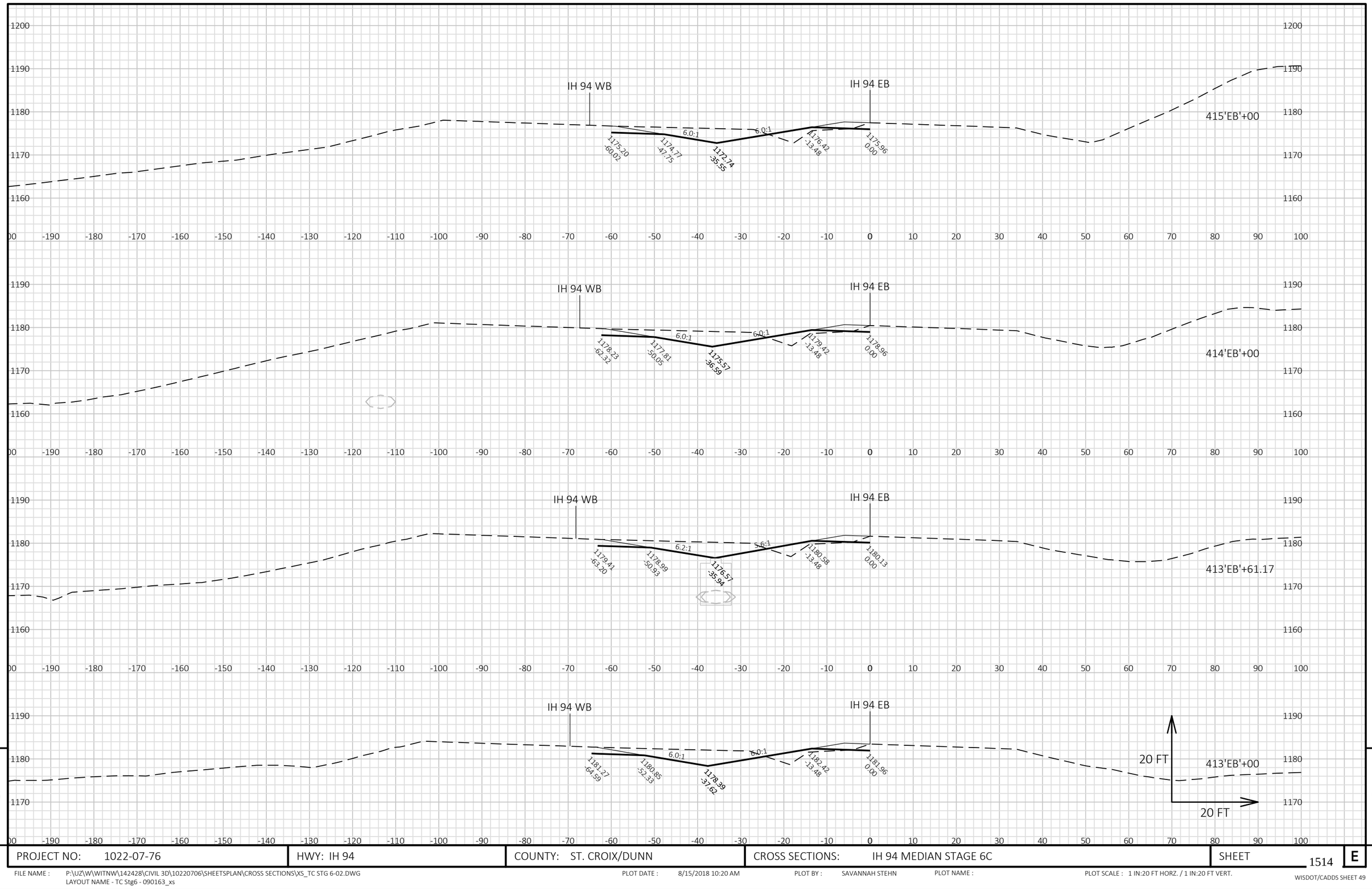
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1513	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090162_xs

PLOT DATE : 8/15/2018 10:19 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



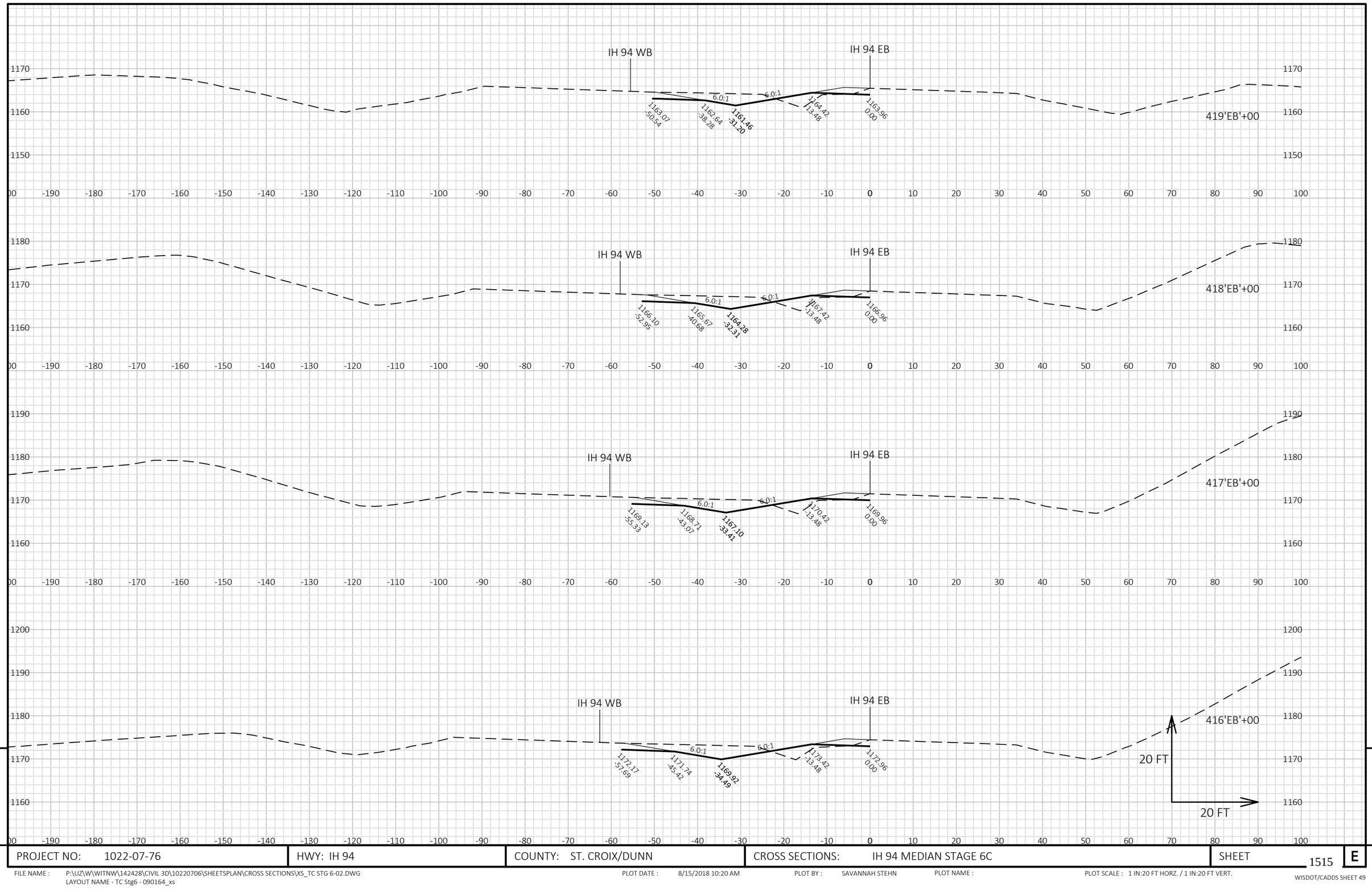
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1514 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090163_xs

PLOT DATE : 8/15/2018 10:20 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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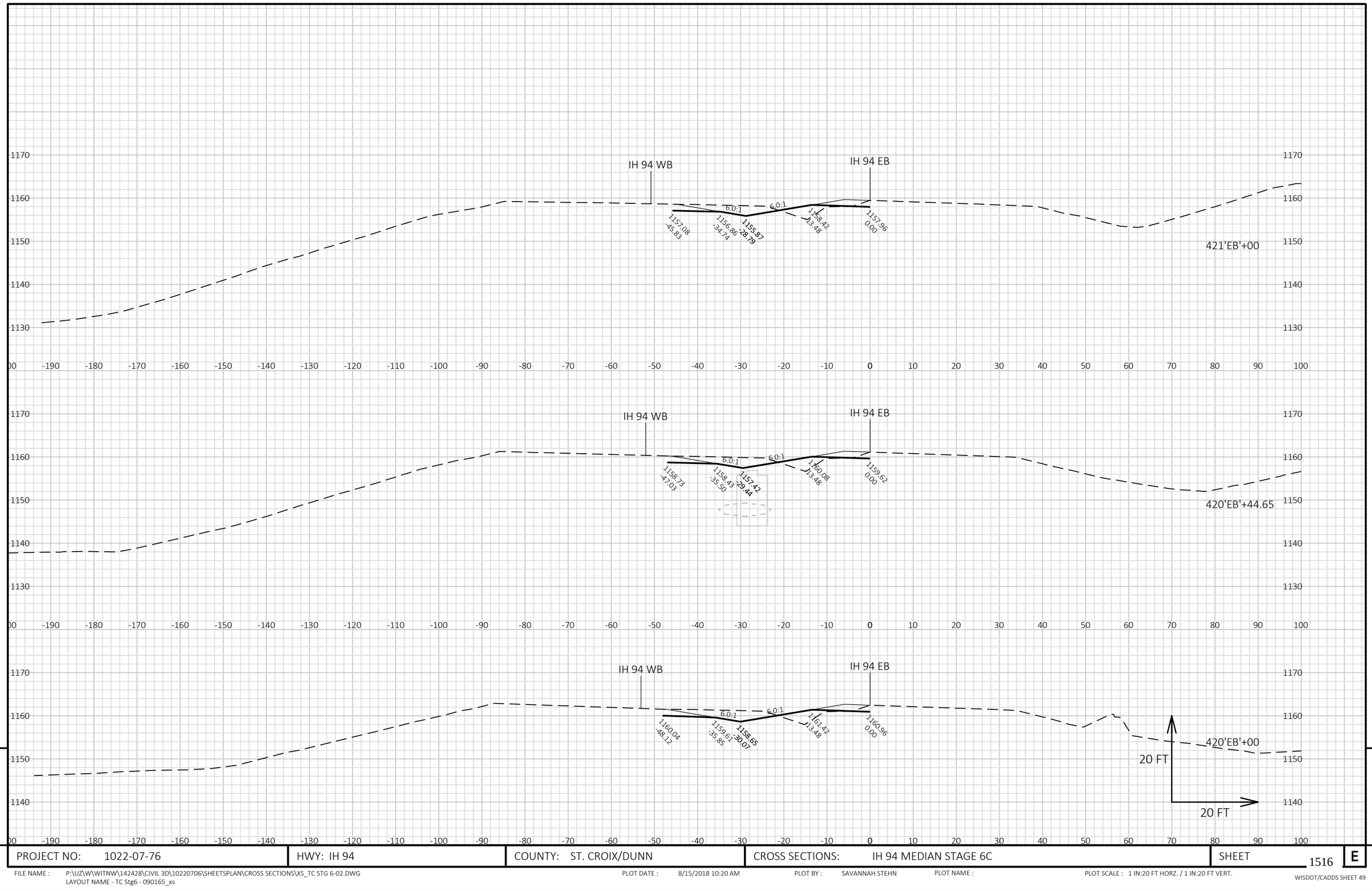
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1515	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090164_xs

PLOT DATE : 8/15/2018 10:20 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



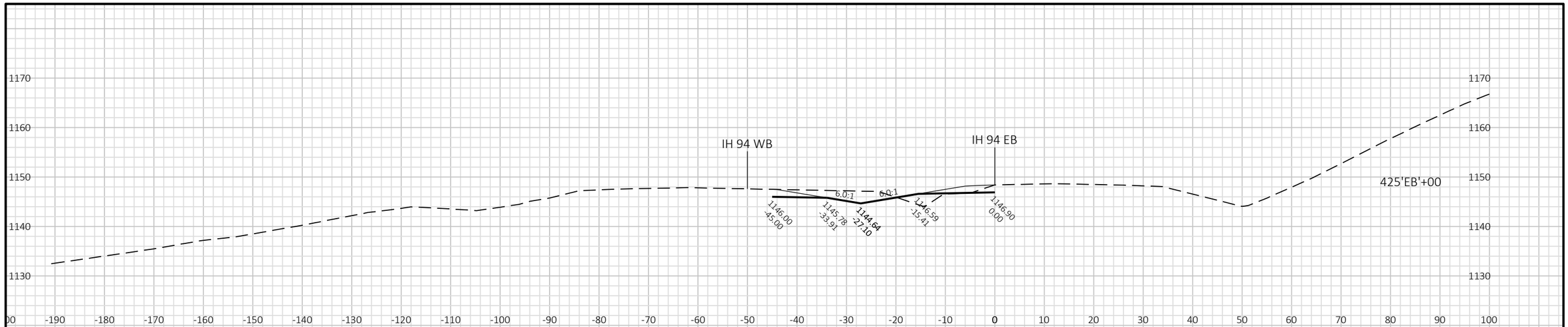
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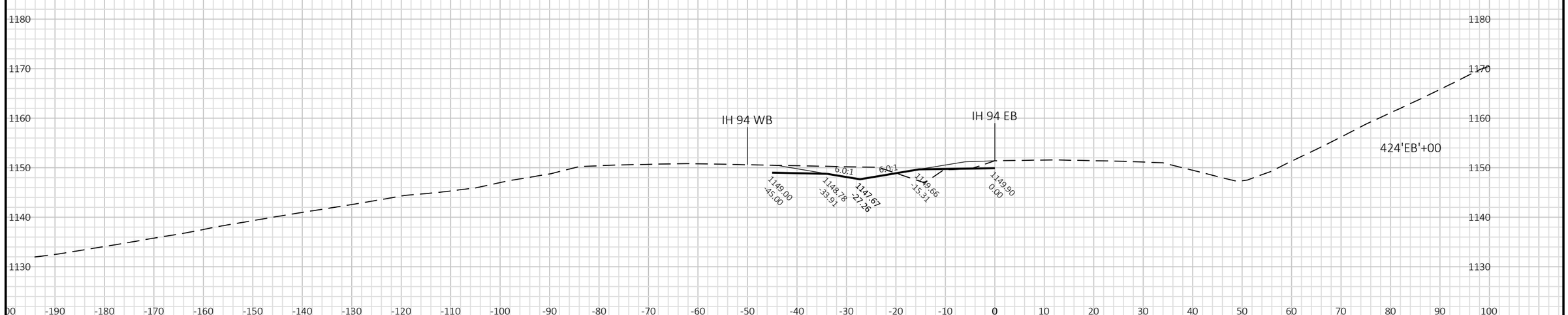
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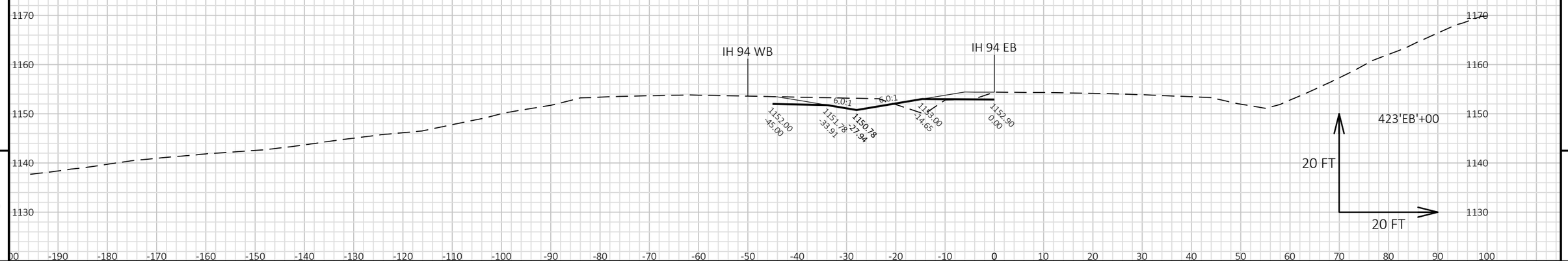
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1516 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090165_xs

PLOT DATE : 8/15/2018 10:20 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.







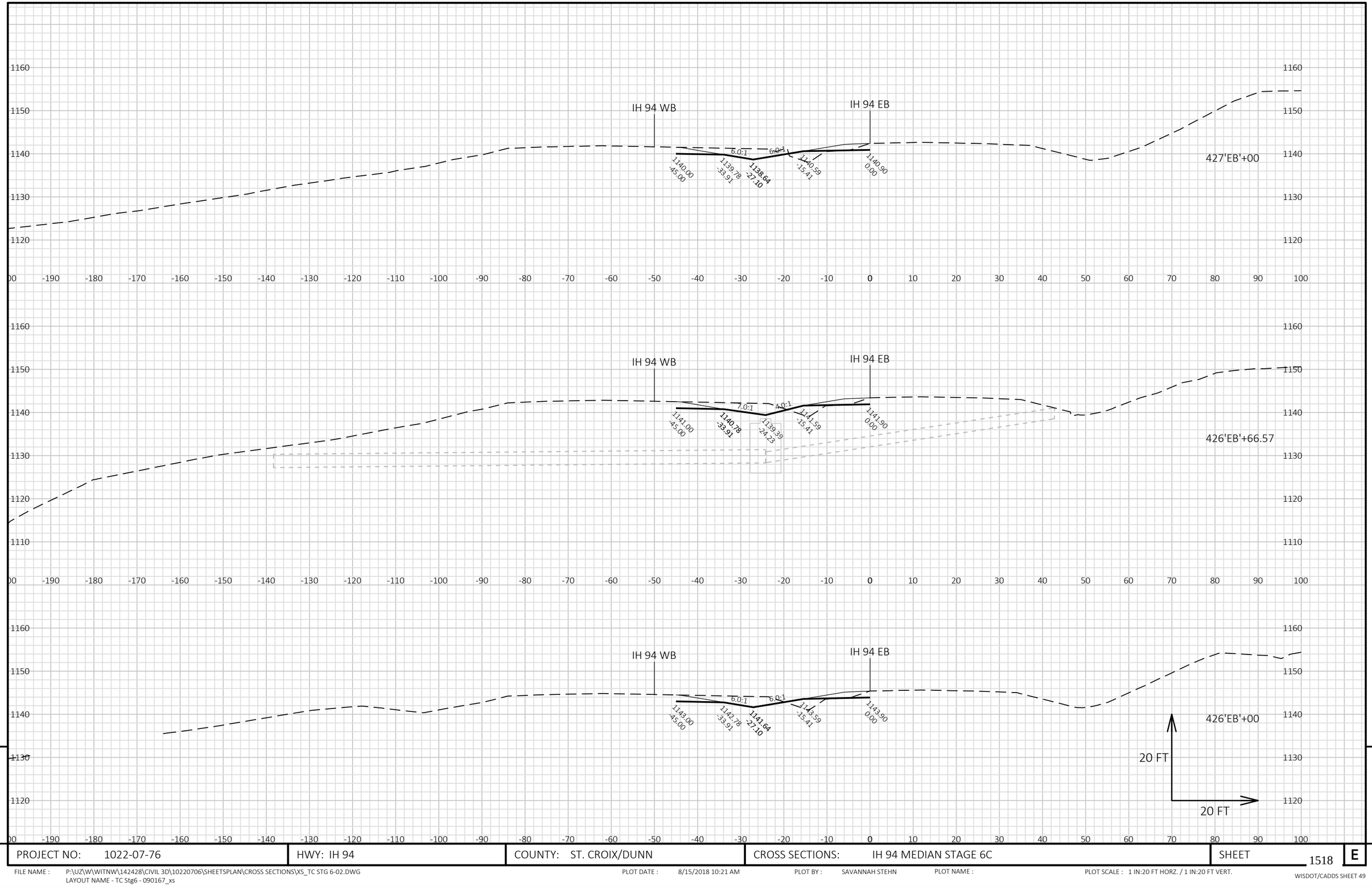
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1517	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090166_xs

PLOT DATE : 8/15/2018 10:21 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

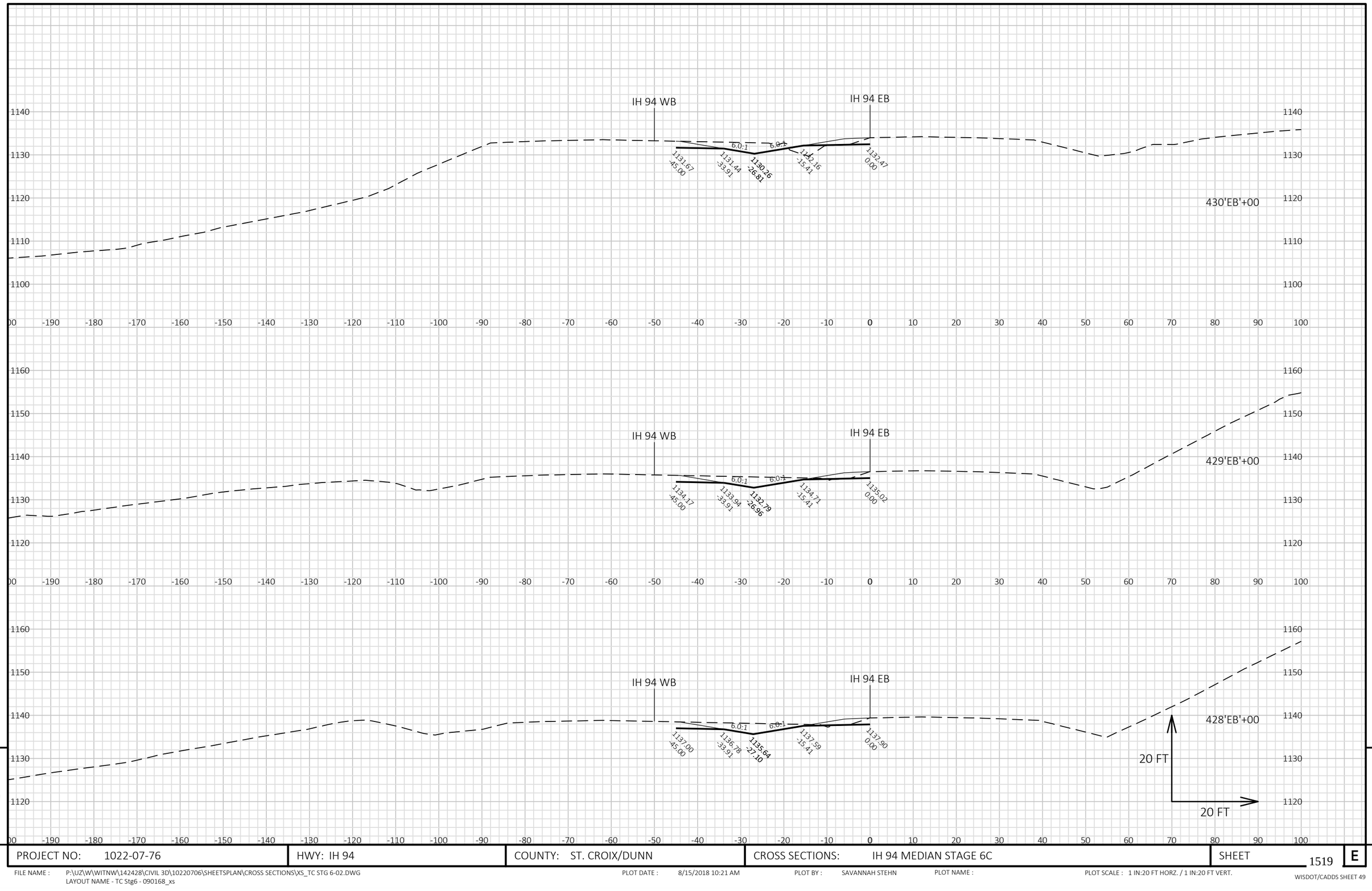


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1518 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090167_xs

PLOT DATE : 8/15/2018 10:21 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



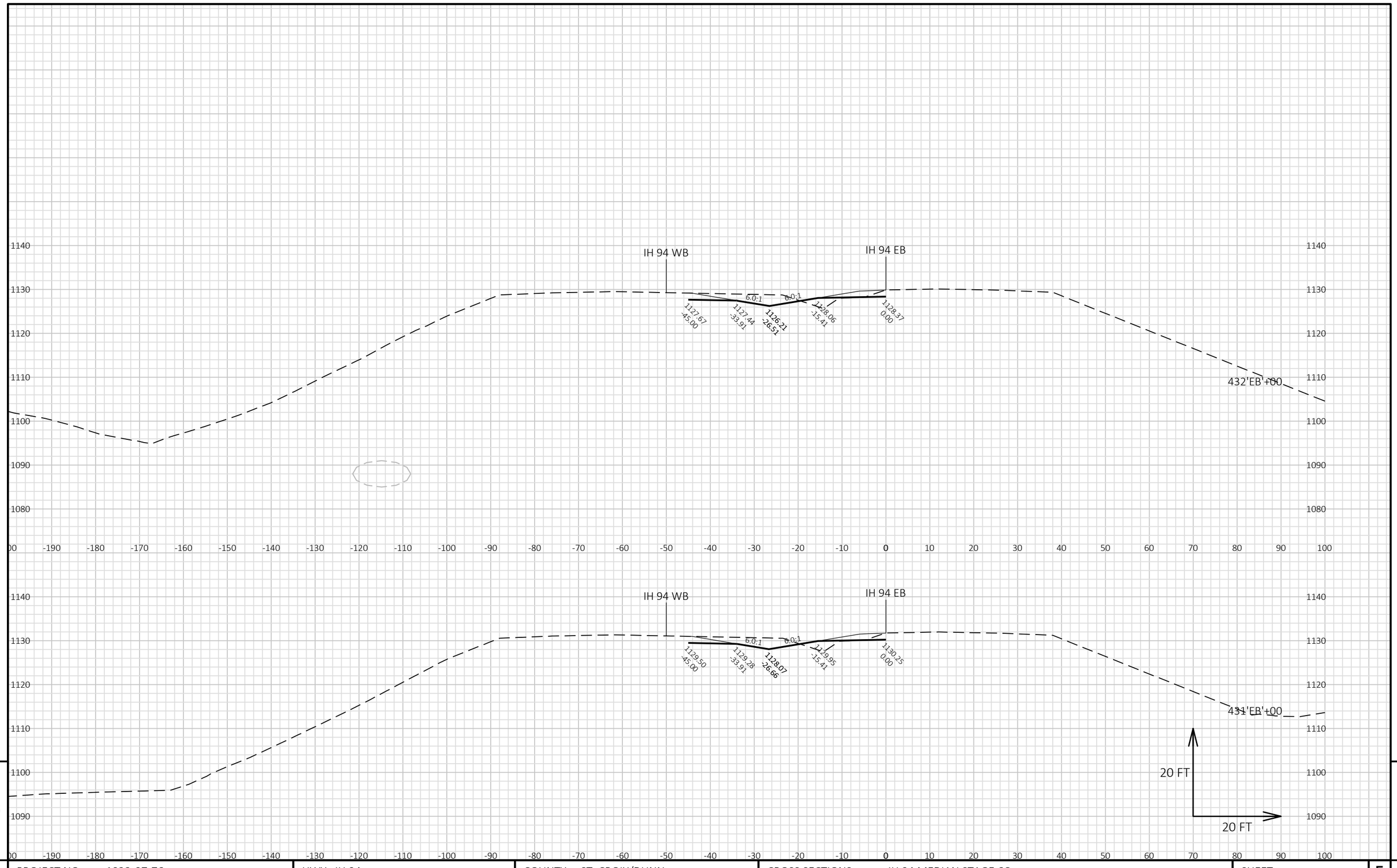
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1519	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090168_xs

PLOT DATE : 8/15/2018 10:21 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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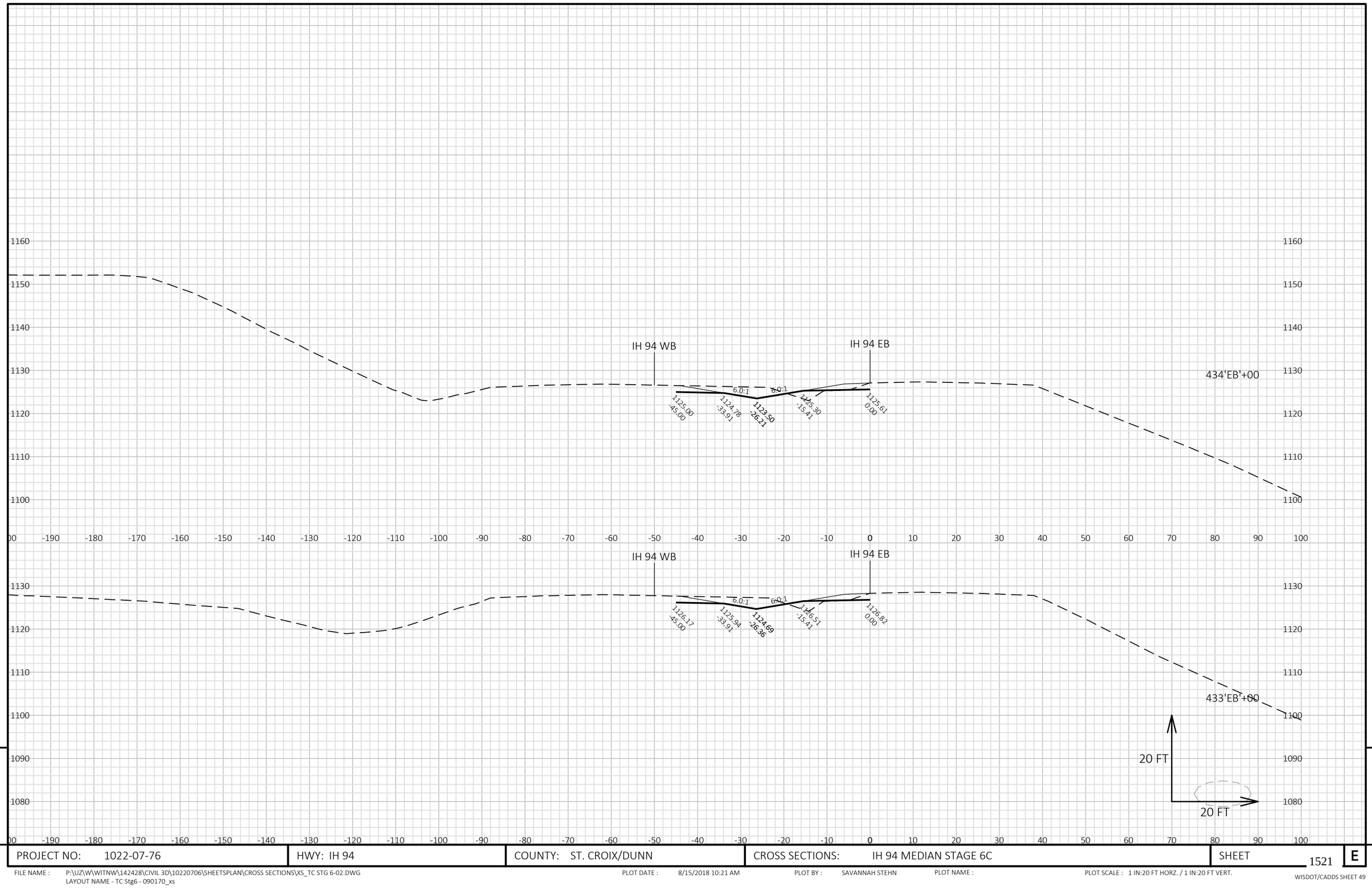
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1520	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090169_xs

PLOT DATE : 8/15/2018 10:21 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



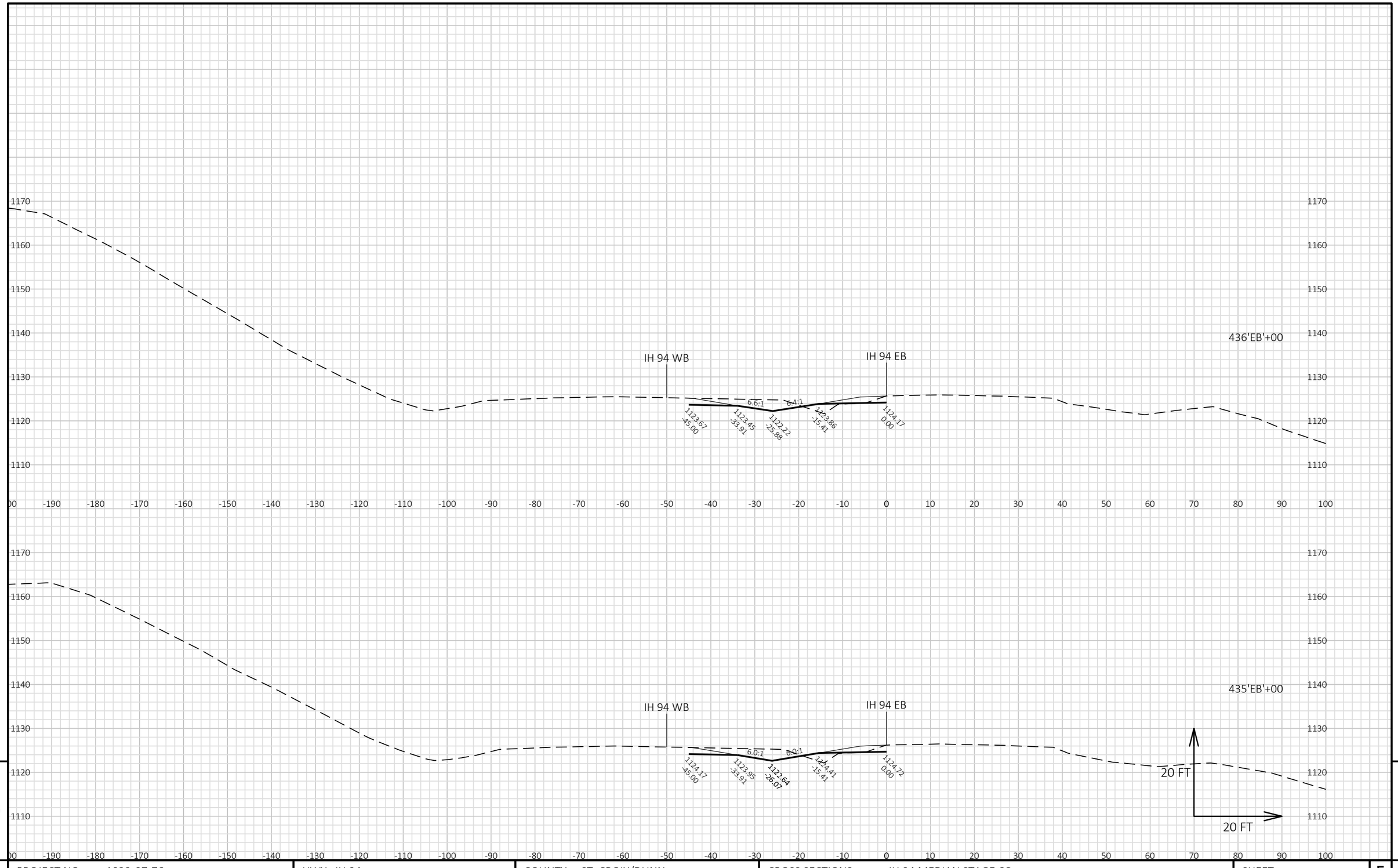
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1521	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090170_xs

PLOT DATE : 8/15/2018 10:21 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



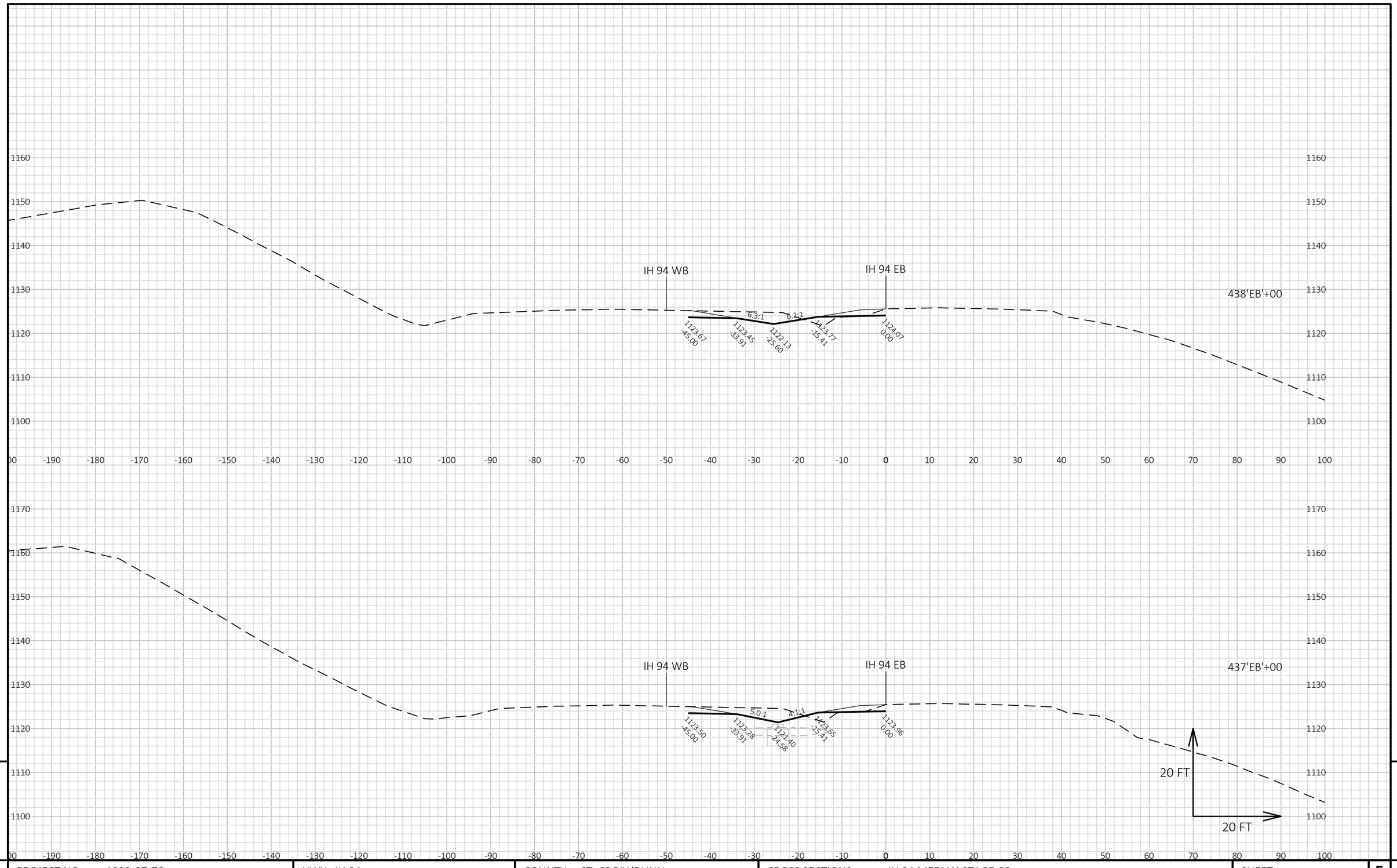
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1522 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090171_xs

PLOT DATE : 8/15/2018 10:22 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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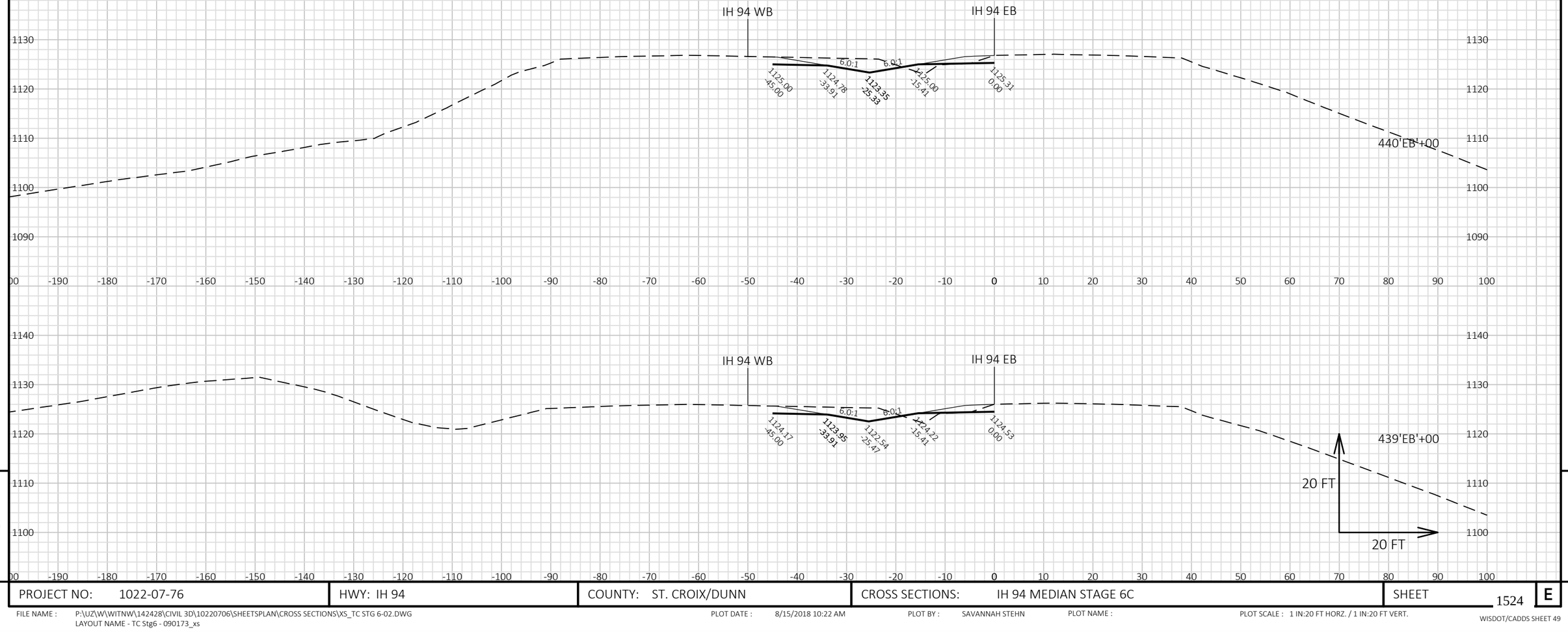
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1523	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090172_xs

PLOT DATE : 8/15/2018 10:22 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



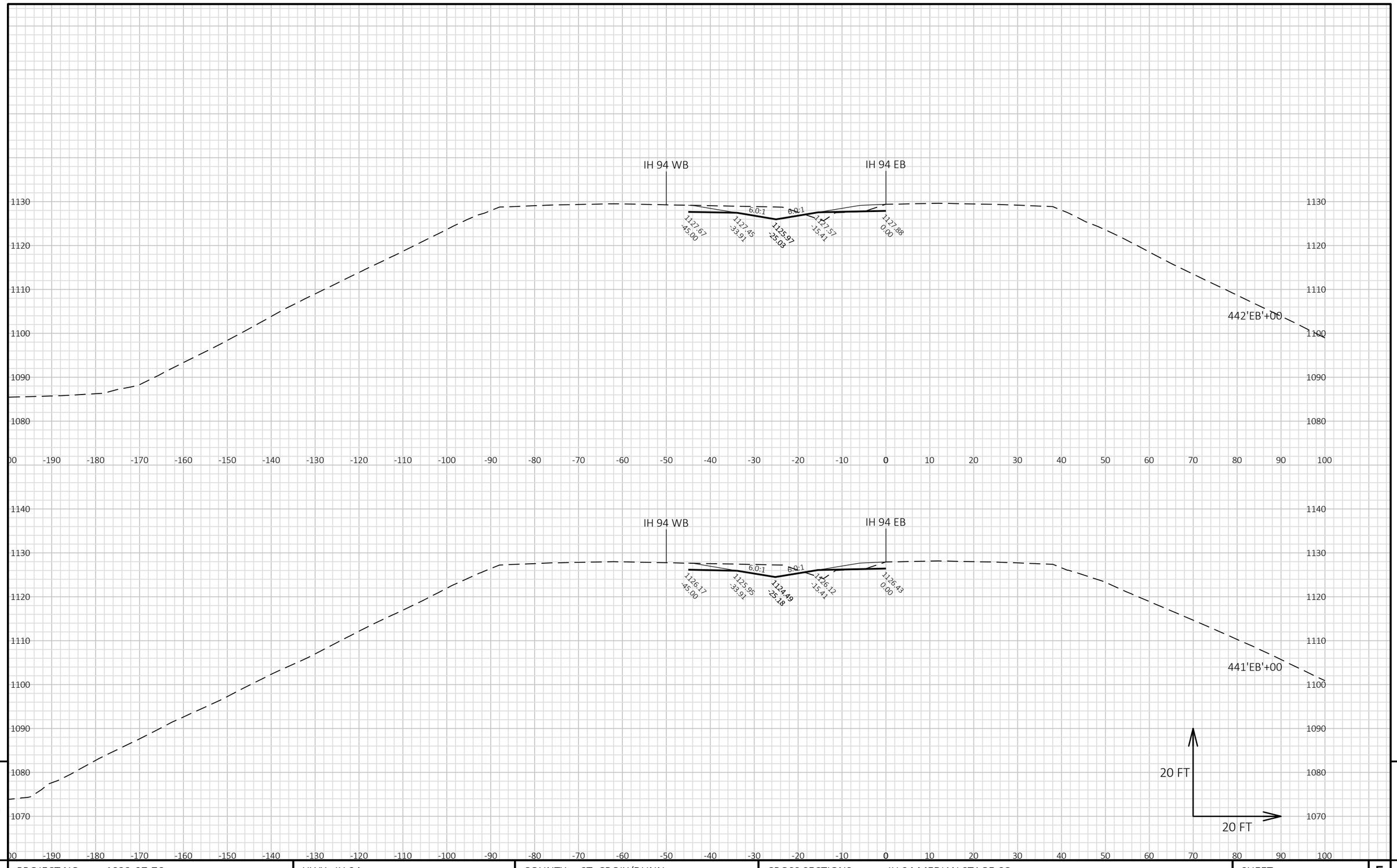
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1524	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090173_xs

PLOT DATE : 8/15/2018 10:22 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

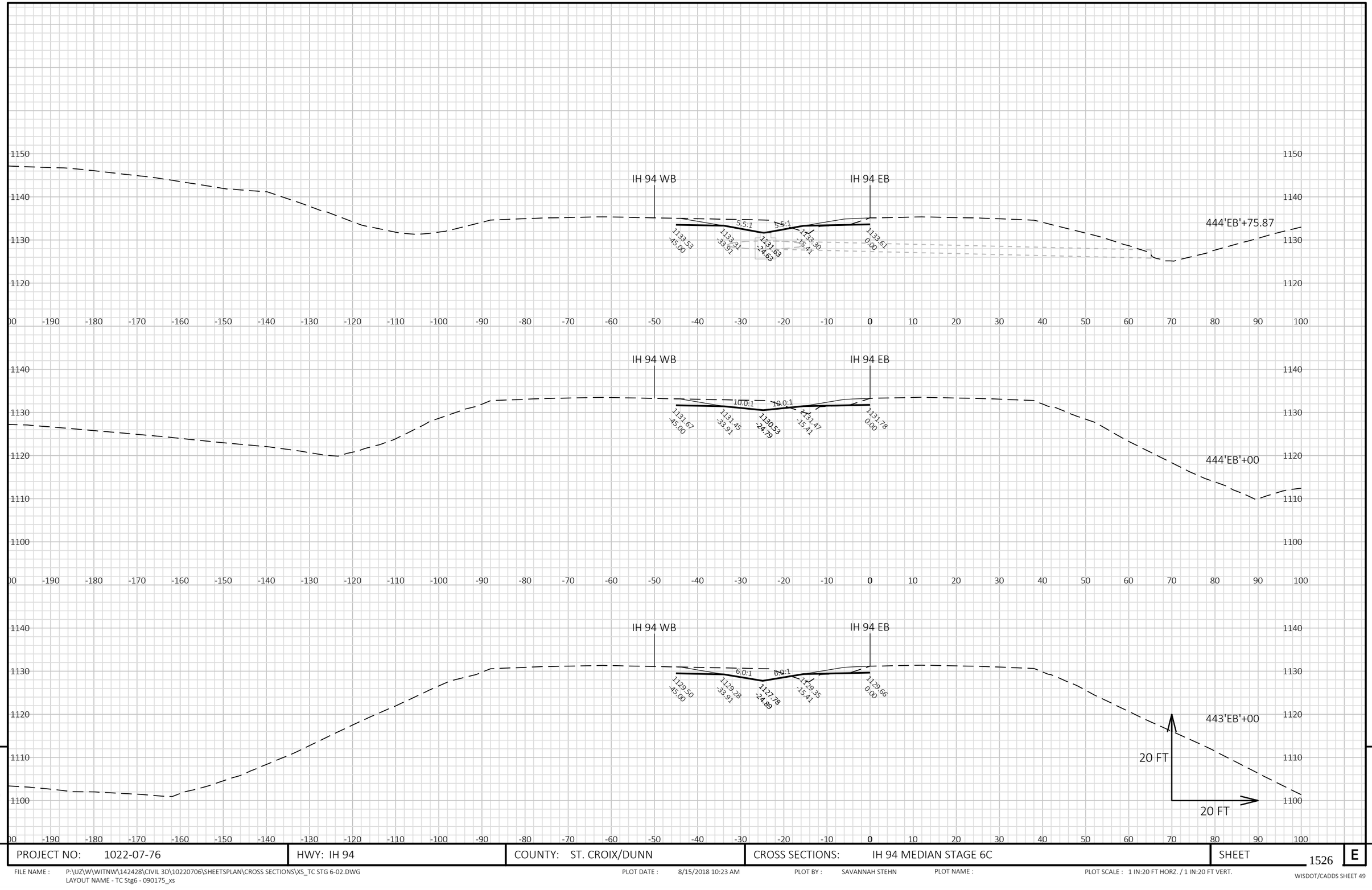


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1525	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090174_xs

PLOT DATE : 8/15/2018 10:23 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

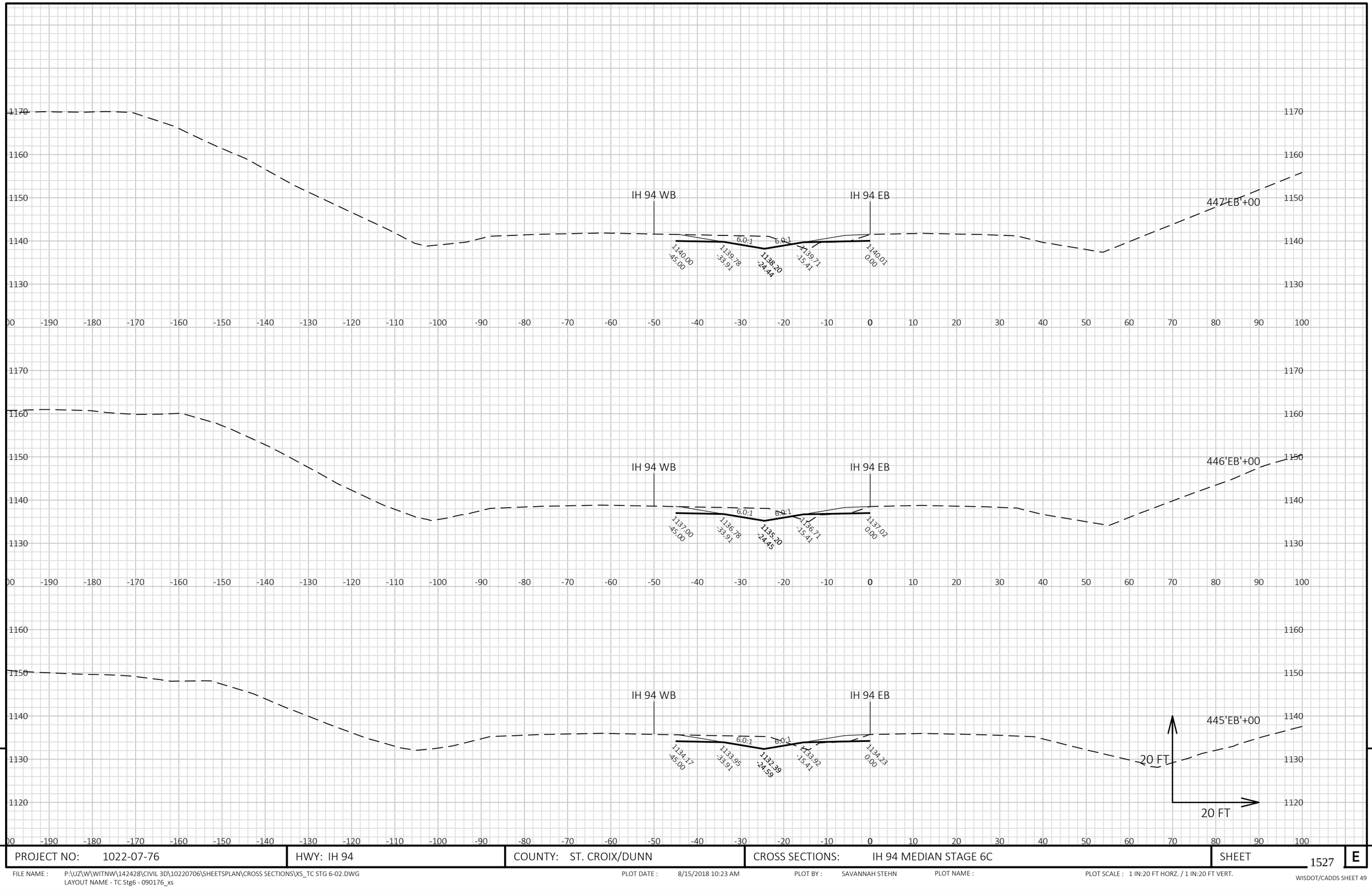


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1526	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090175_xs

PLOT DATE : 8/15/2018 10:23 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

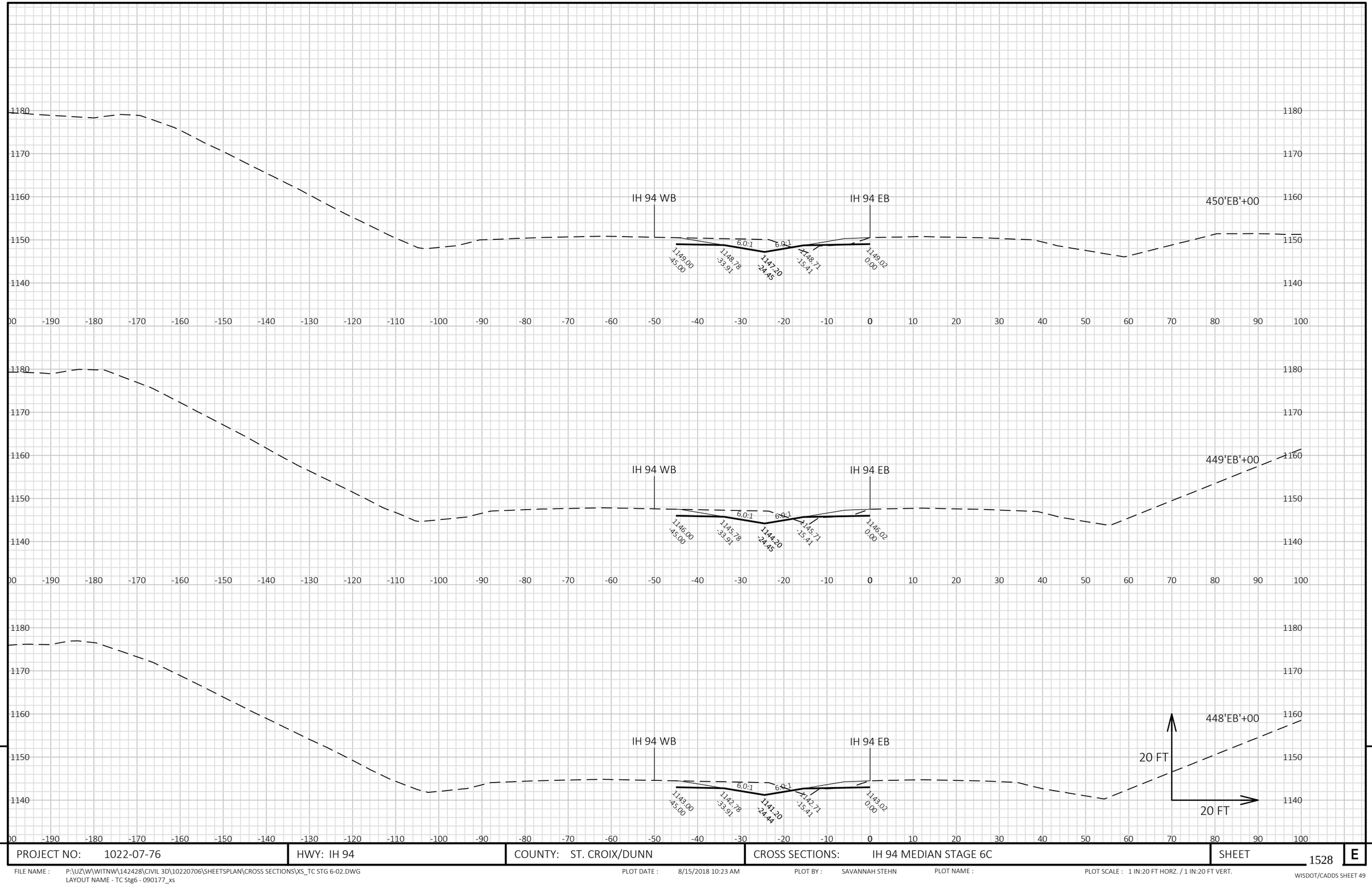
WISDOT/CADDS SHEET 49



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1527 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090176_xs

PLOT DATE : 8/15/2018 10:23 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



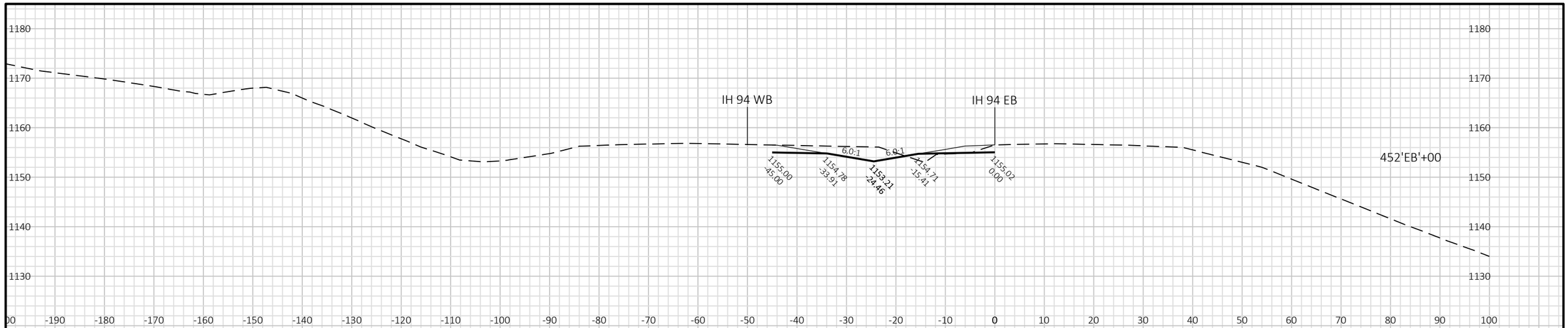
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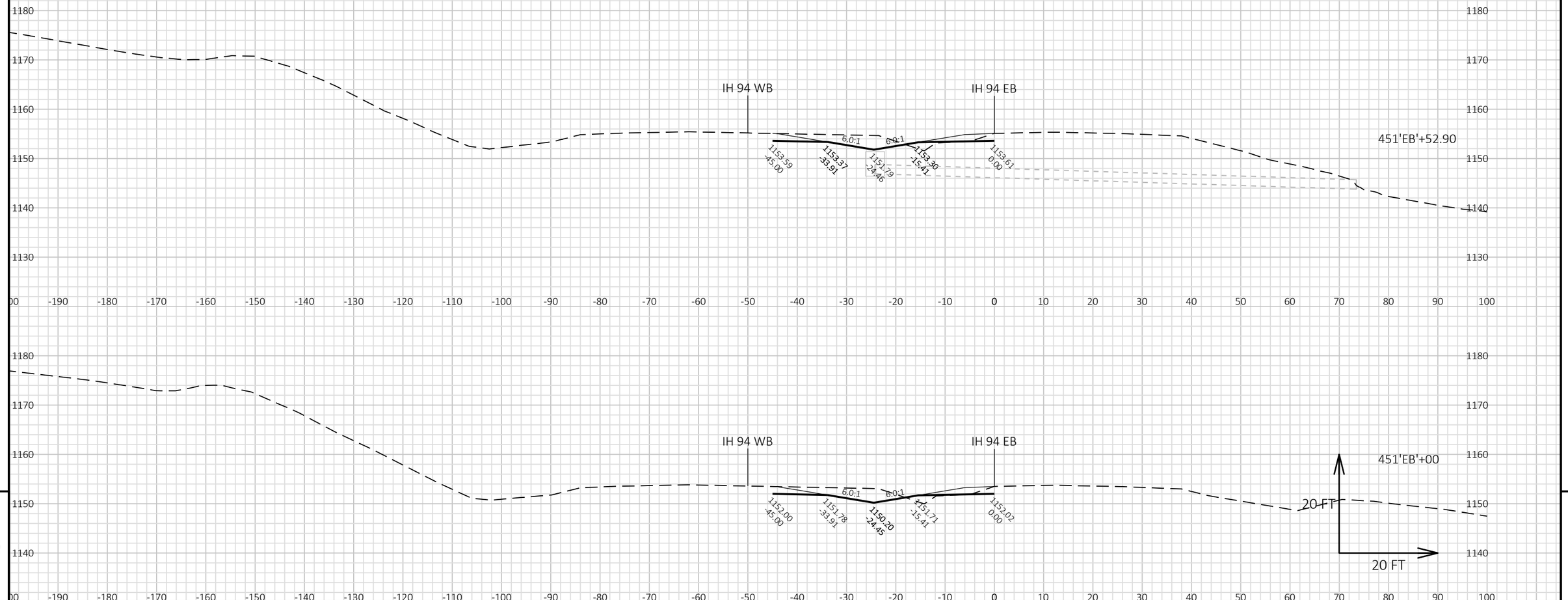
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1528	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090177_xs

PLOT DATE : 8/15/2018 10:23 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1529	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090178_xs

PLOT DATE : 8/15/2018 10:24 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

SEE "STAGE 6 - WB OUTSIDE SHLD"
SECTIONS FOR ELEVATION/OFFSETS

IH 94 WB

IH 94 EB

6.0:1

6.0:1

1161.00
-45.00

1160.78
-33.91

1159.21
-24.47

1160.72
-15.41

1161.02
0.00

454'EB'+00

1170
1160
1150
1140
1130
1120

-200 -190 -180 -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

IH 94 WB

IH 94 EB

6.0:1

6.0:1

1158.00
-45.00

1157.78
-33.91

1156.21
-24.46

1157.71
-15.41

1158.02
0.00

453'EB'+00

1170
1160
1150
1140
1130
1120
1110
1100

20 FT

20 FT

-200 -190 -180 -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

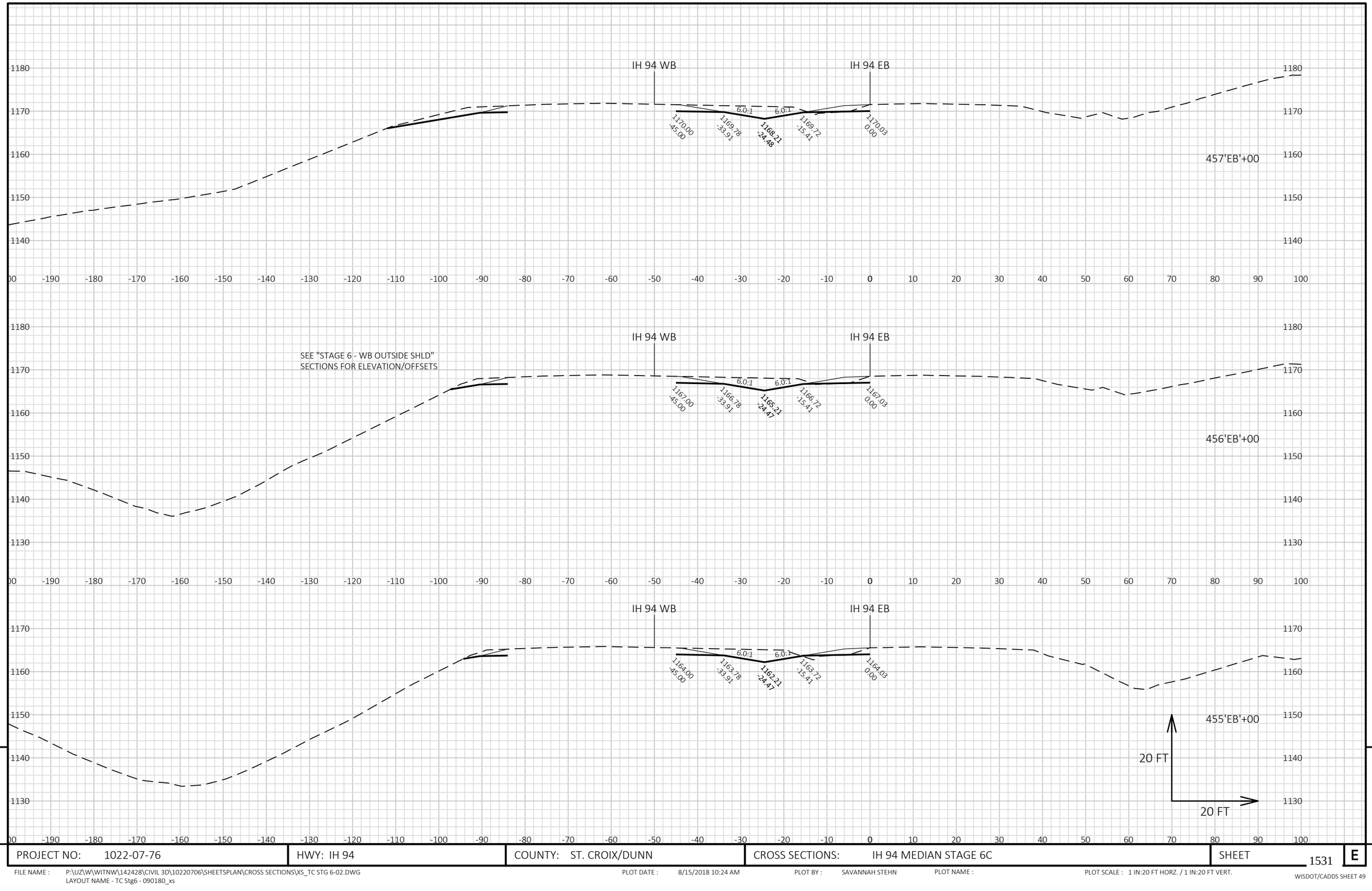
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1530	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090179_xs

PLOT DATE : 8/15/2018 10:24 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



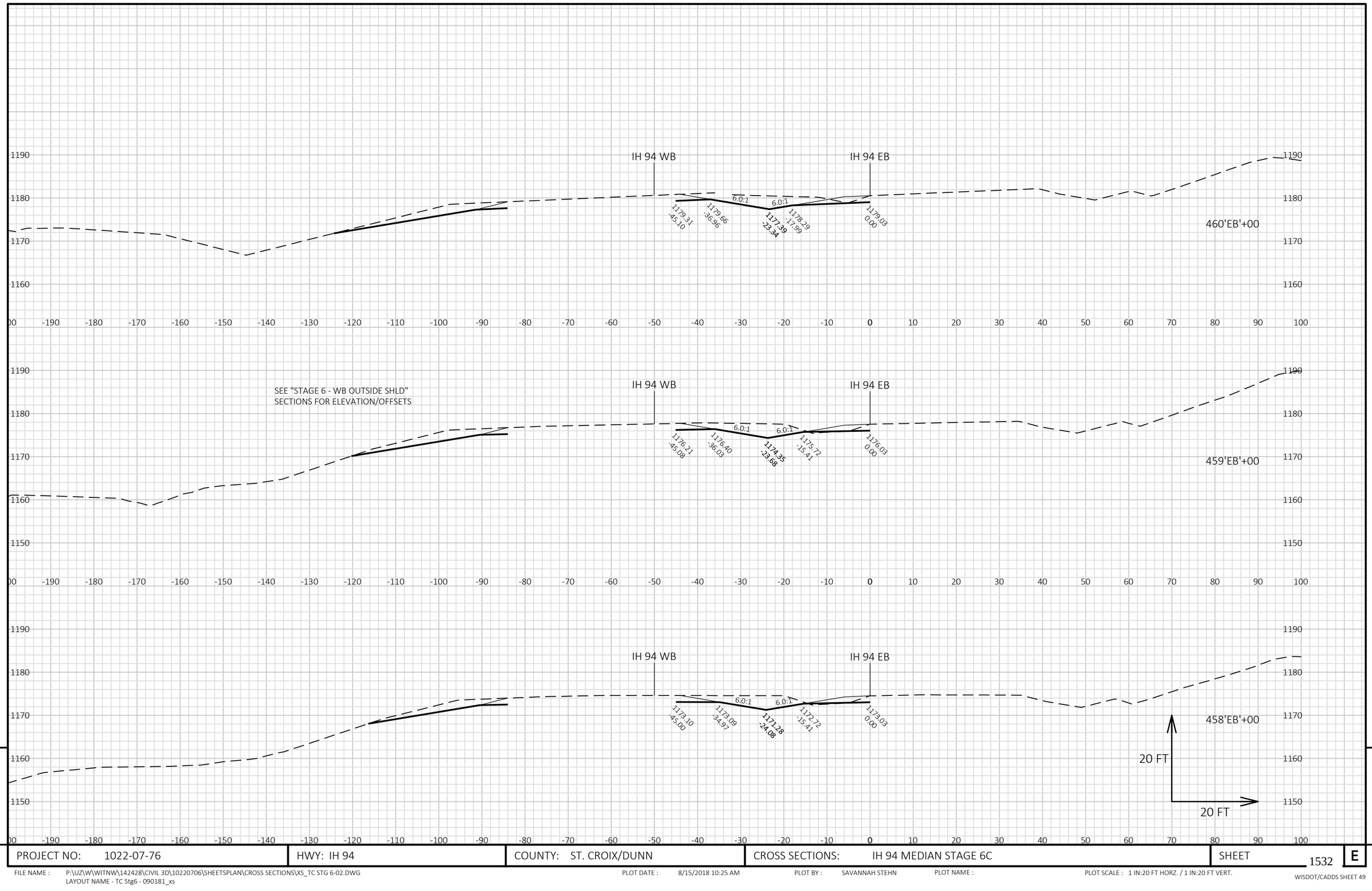
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1531 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090180_xs

PLOT DATE : 8/15/2018 10:24 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



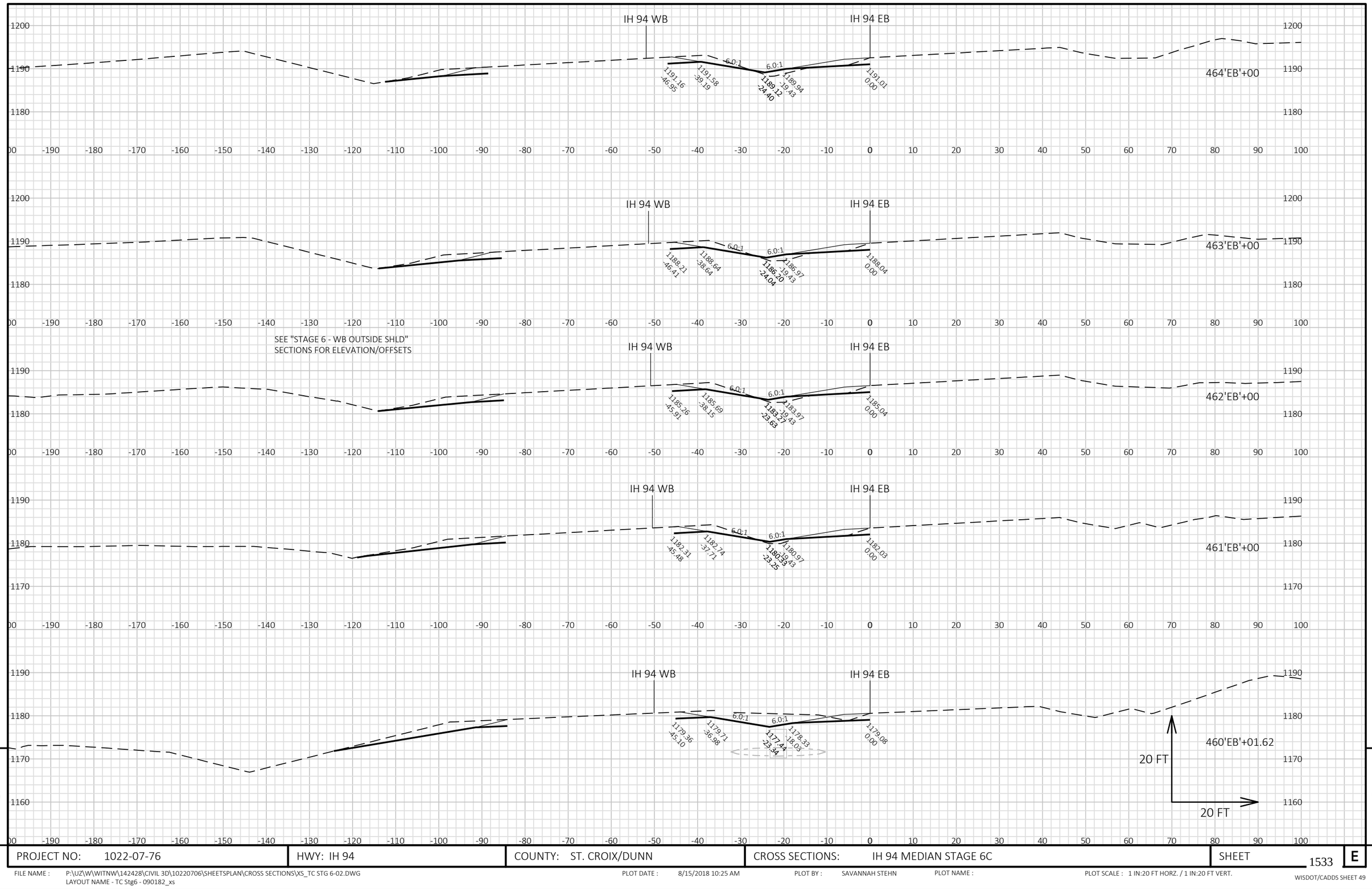
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1532 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090181_xs

PLOT DATE : 8/15/2018 10:25 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



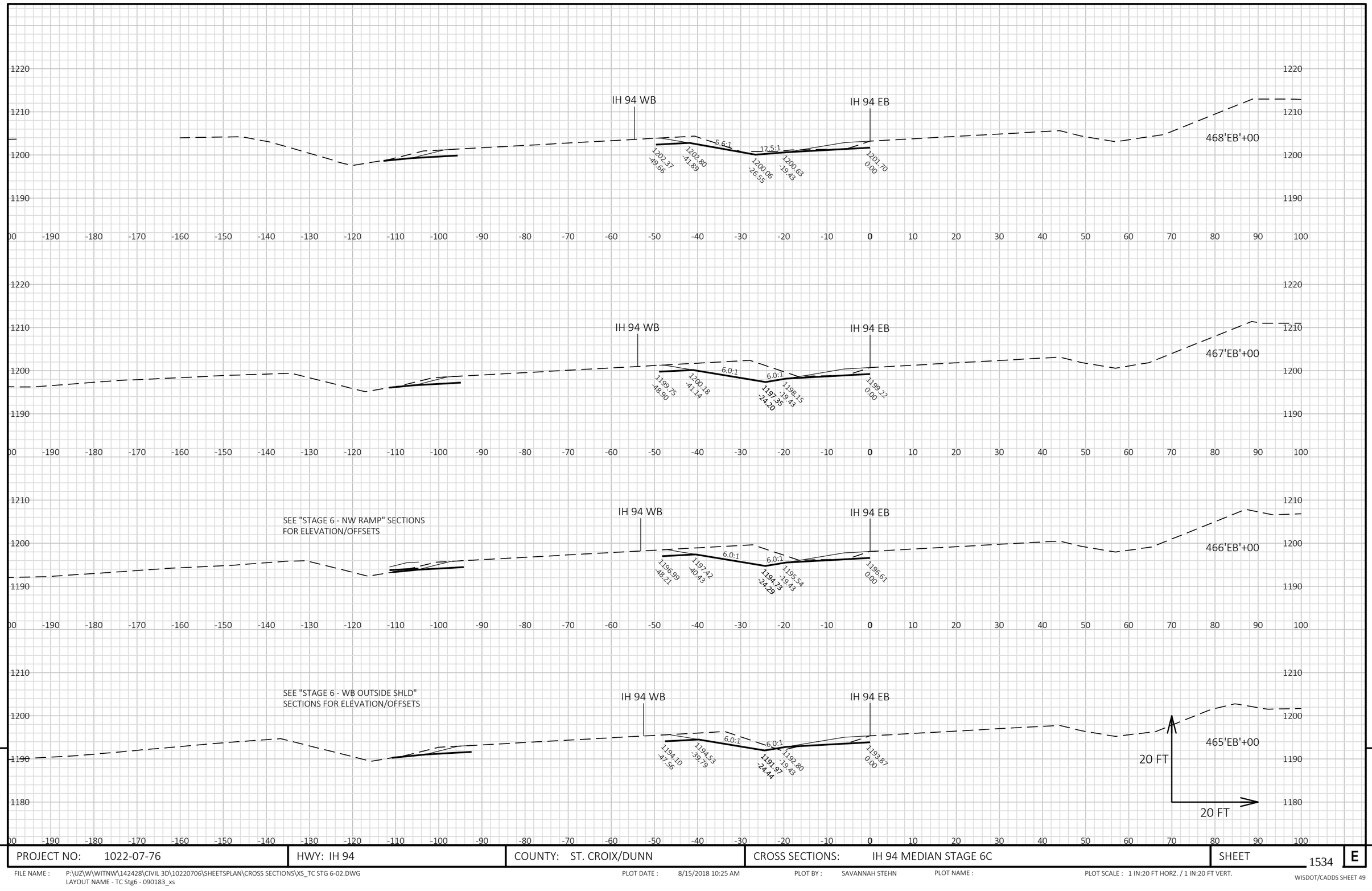
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1533	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090182_xs

PLOT DATE : 8/15/2018 10:25 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



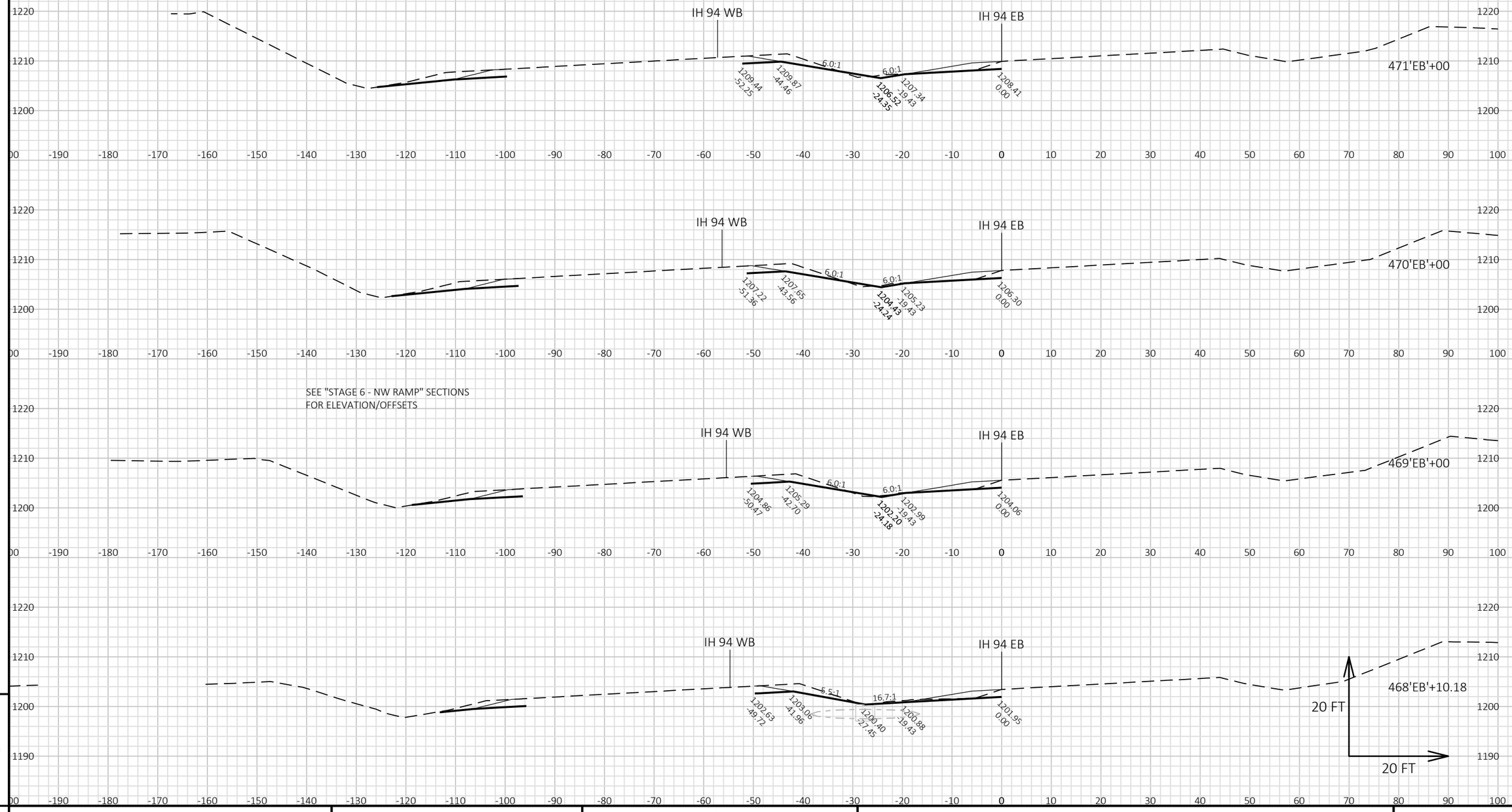
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1534	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090183_xs

PLOT DATE : 8/15/2018 10:25 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



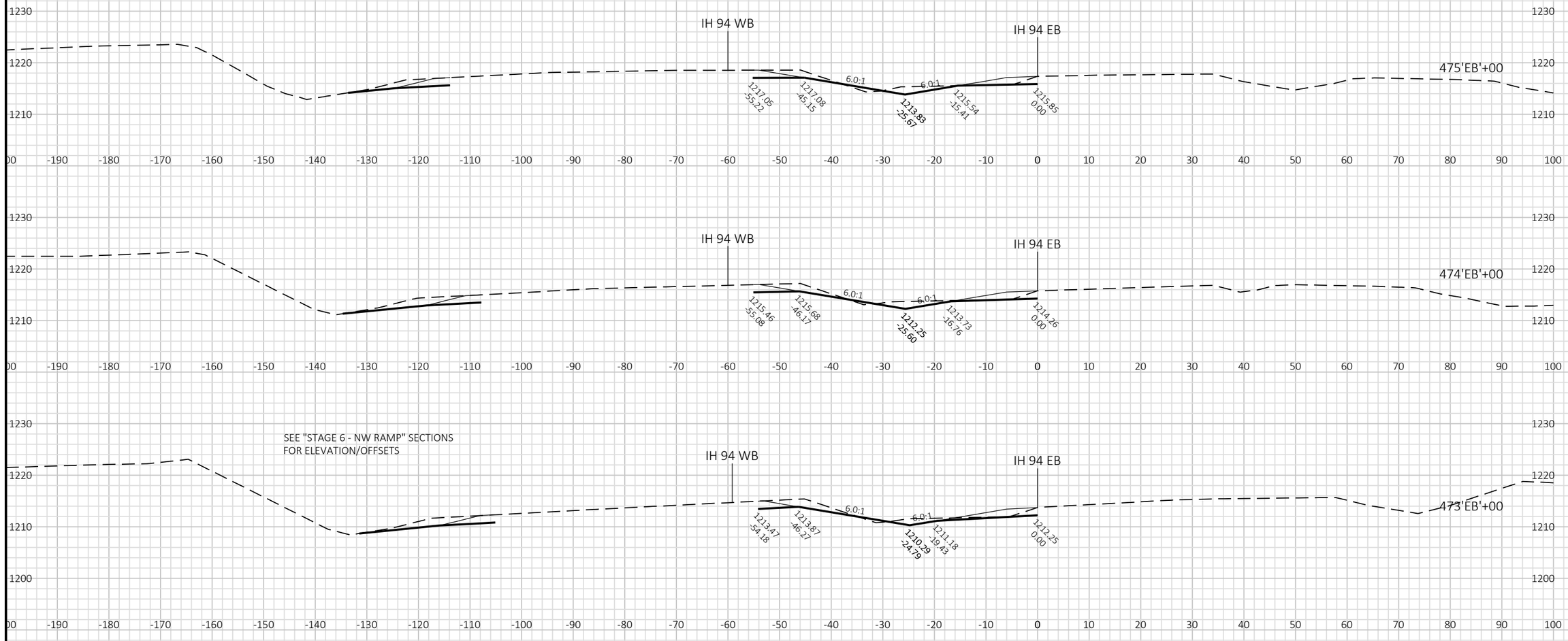
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1535	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090184_xs

PLOT DATE : 8/15/2018 10:26 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



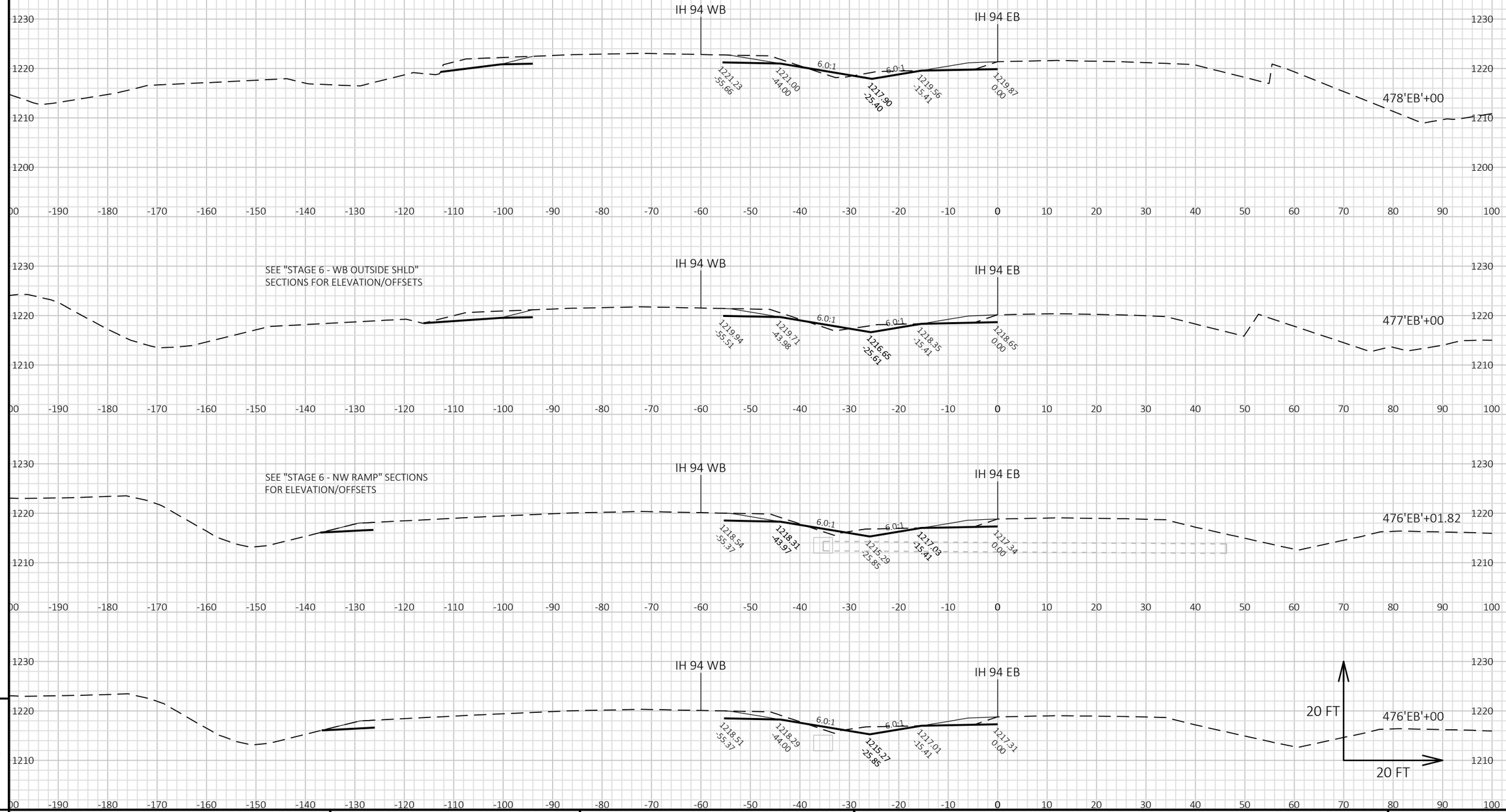
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1536	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090185_xs

PLOT DATE : 8/15/2018 10:26 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



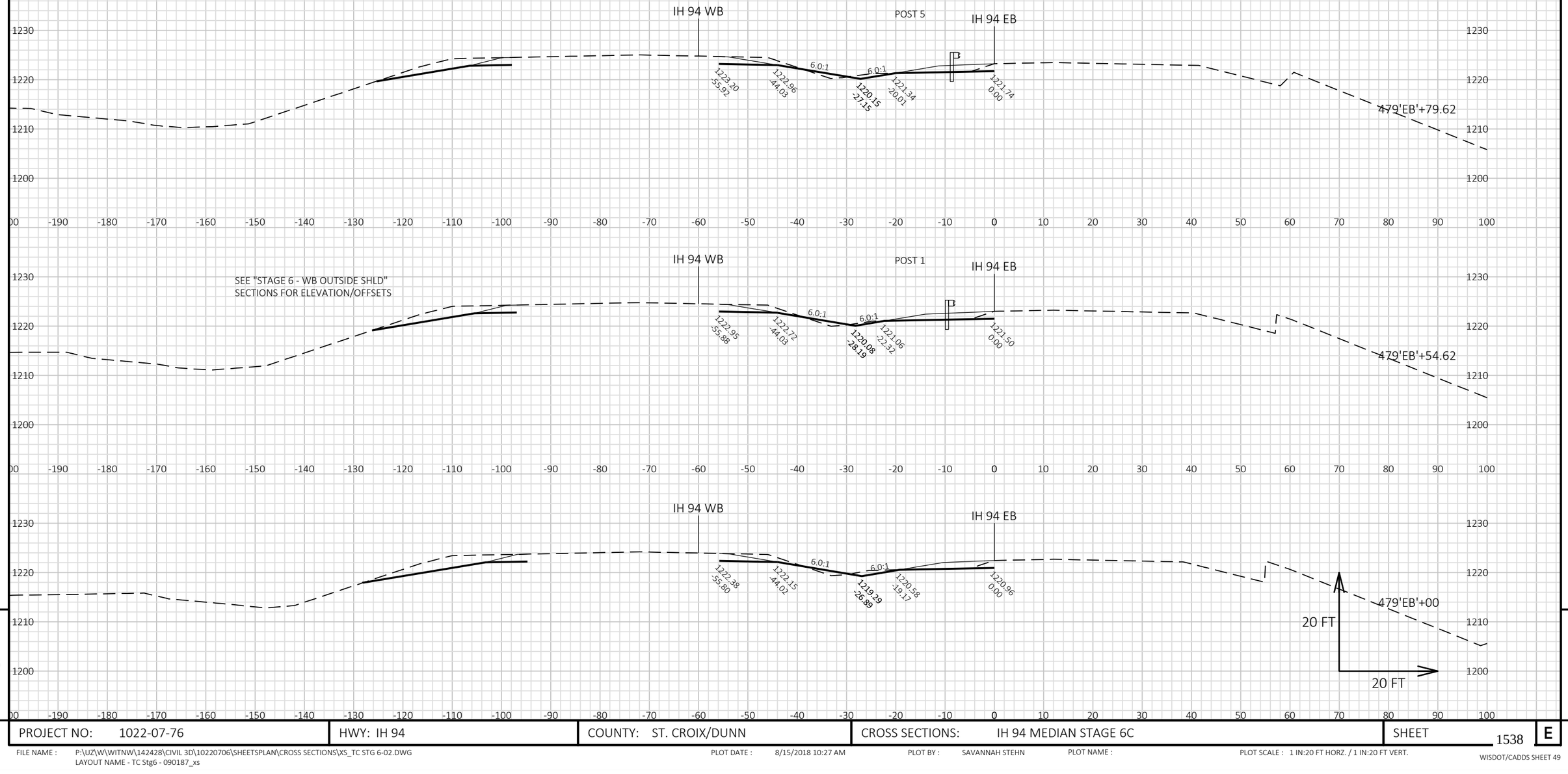
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1537	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090186_xs

PLOT DATE : 8/15/2018 10:26 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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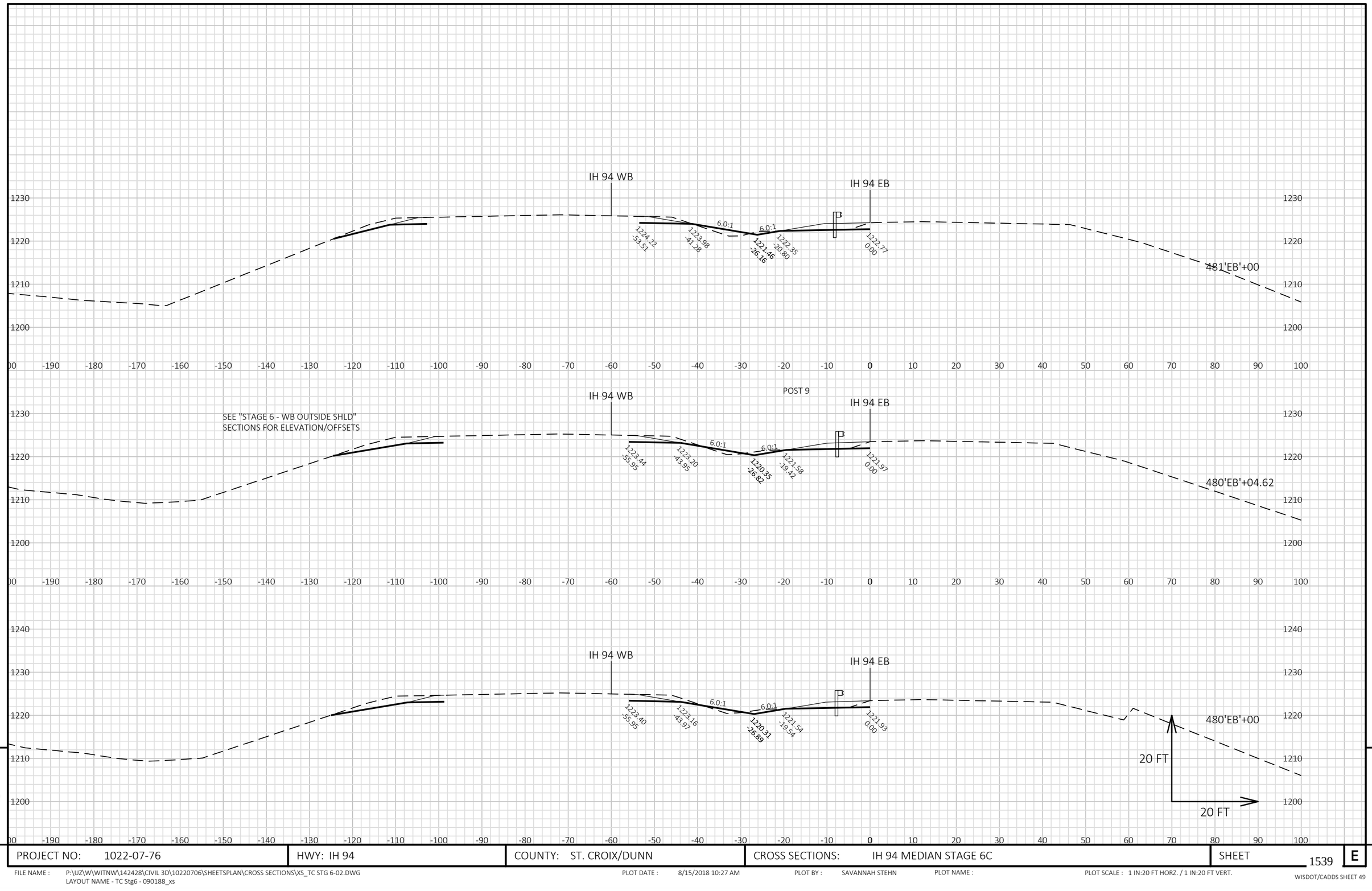
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1538	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090187_xs

PLOT DATE : 8/15/2018 10:27 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1539	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090188_xs

PLOT DATE : 8/15/2018 10:27 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

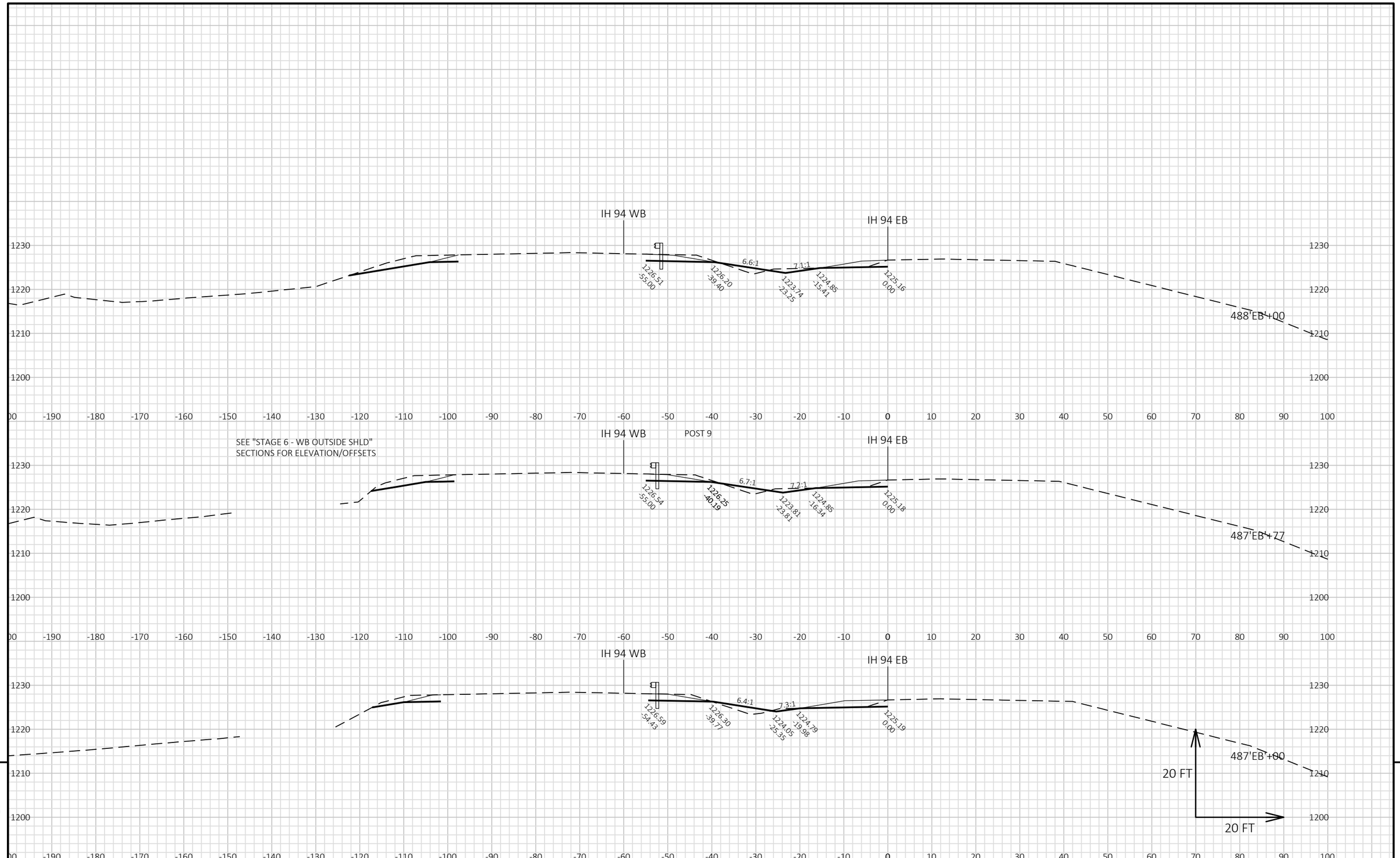
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1540	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090189_xs

PLOT DATE : 8/15/2018 10:27 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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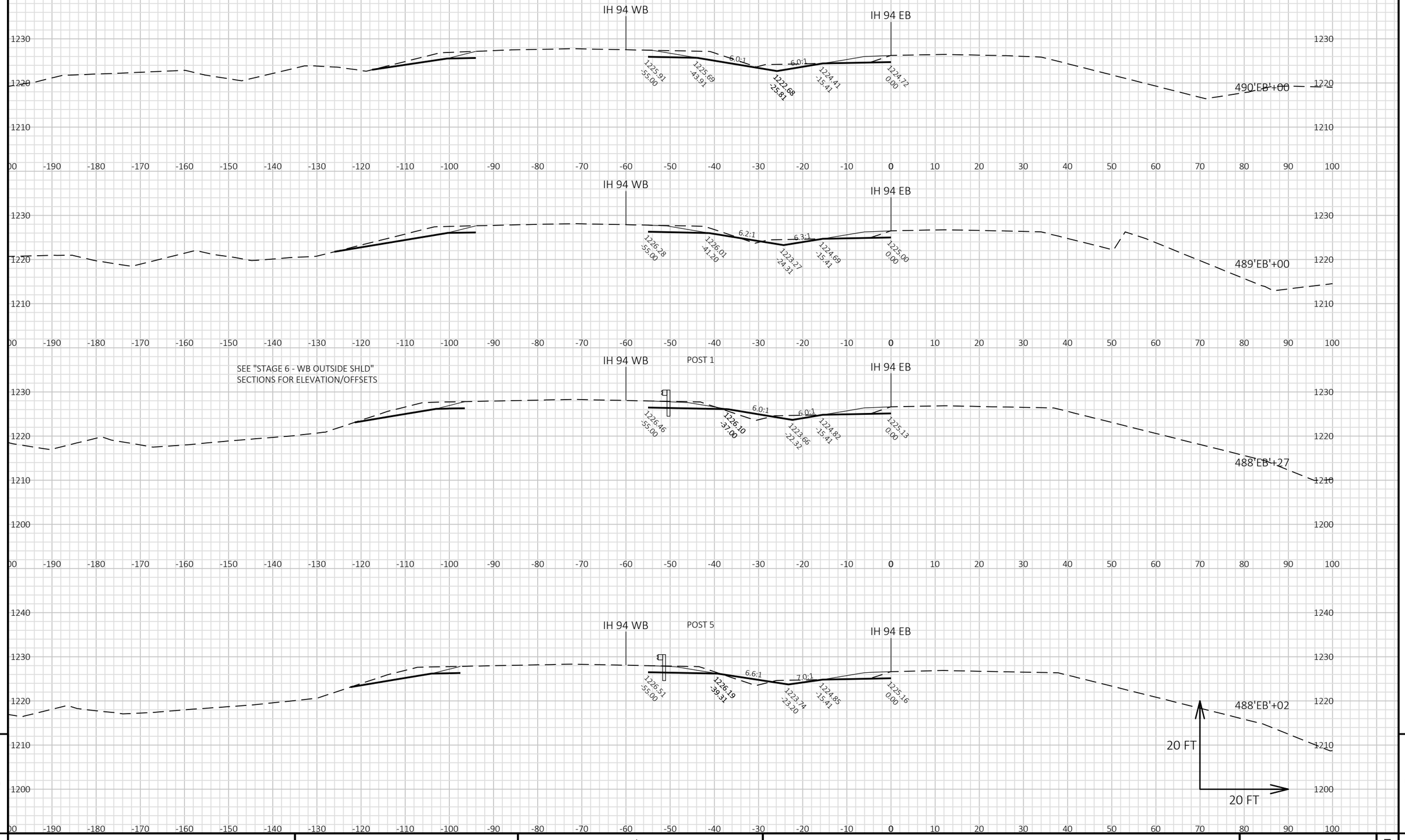
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1541 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090190_xs

PLOT DATE : 8/15/2018 10:28 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1542	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090191_xs

PLOT DATE : 8/15/2018 10:28 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

SEE "STAGE 6 - WB OUTSIDE SHLD"
SECTIONS FOR ELEVATION/OFFSETS

IH 94 WB

IH 94 EB

493'EB'+00

1223.98
-55.00

1223.76
-43.91

6.0:1

1220.91
-26.81

6.0:1

1222.81
-15.41

1223.12
0.00

IH 94 WB

IH 94 EB

492'EB'+01.03

1224.76
-55.00

1224.54
-43.91

6.0:1

1221.62
-26.44

6.0:1

1223.46
-15.41

1223.77
0.00

IH 94 WB

IH 94 EB

492'EB'+00

1224.77
-55.00

1224.54
-43.91

6.0:1

1221.63
-26.43

6.0:1

1223.47
-15.41

1223.78
0.00

IH 94 WB

IH 94 EB

491'EB'+00

20 FT

20 FT

1225.41
-54.99

1225.19
-43.91

6.0:1

1222.22
-26.10

6.0:1

1224.00
-15.41

1224.31
0.00

9

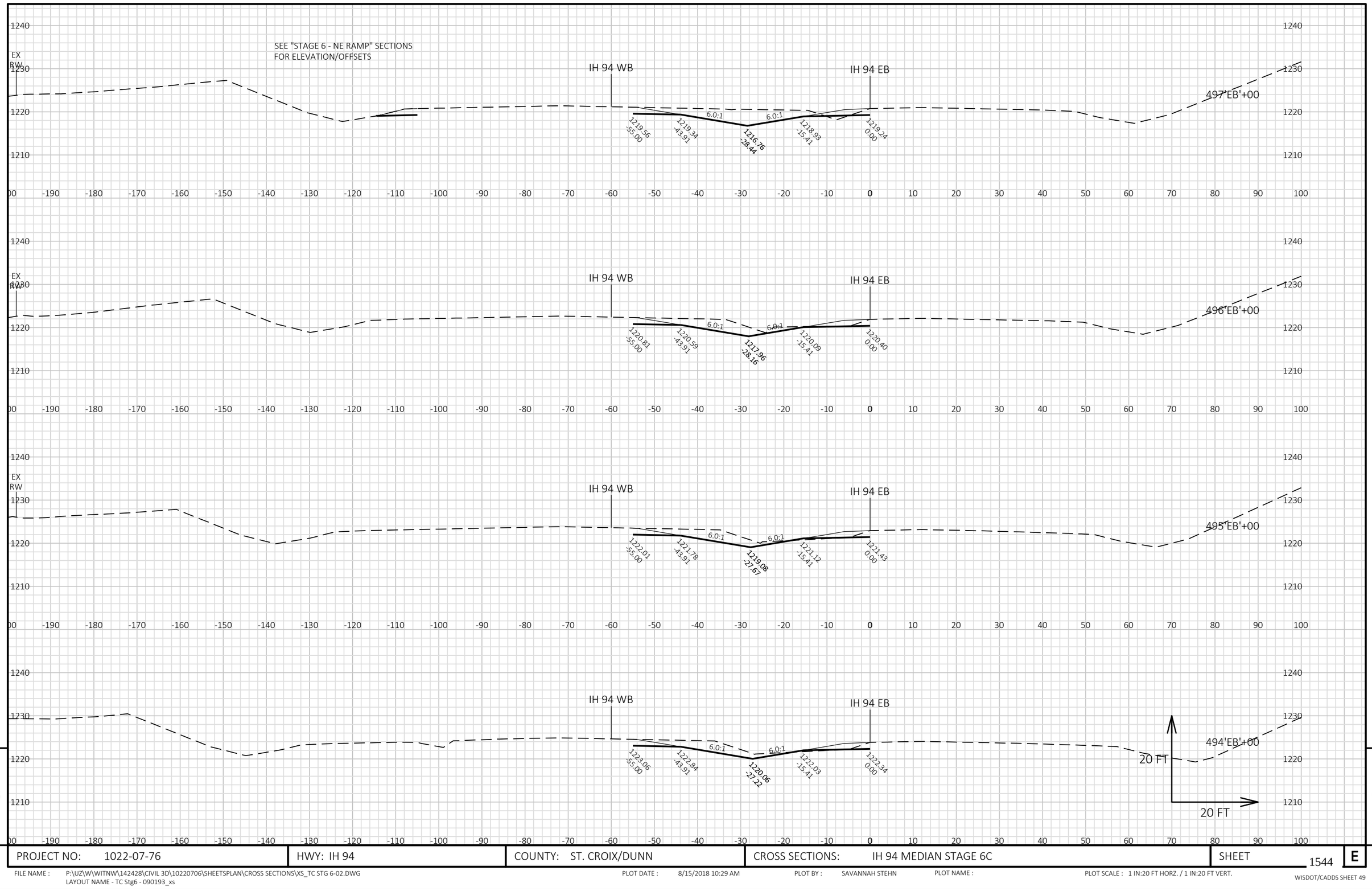
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1543	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090192_xs

PLOT DATE : 8/15/2018 10:28 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

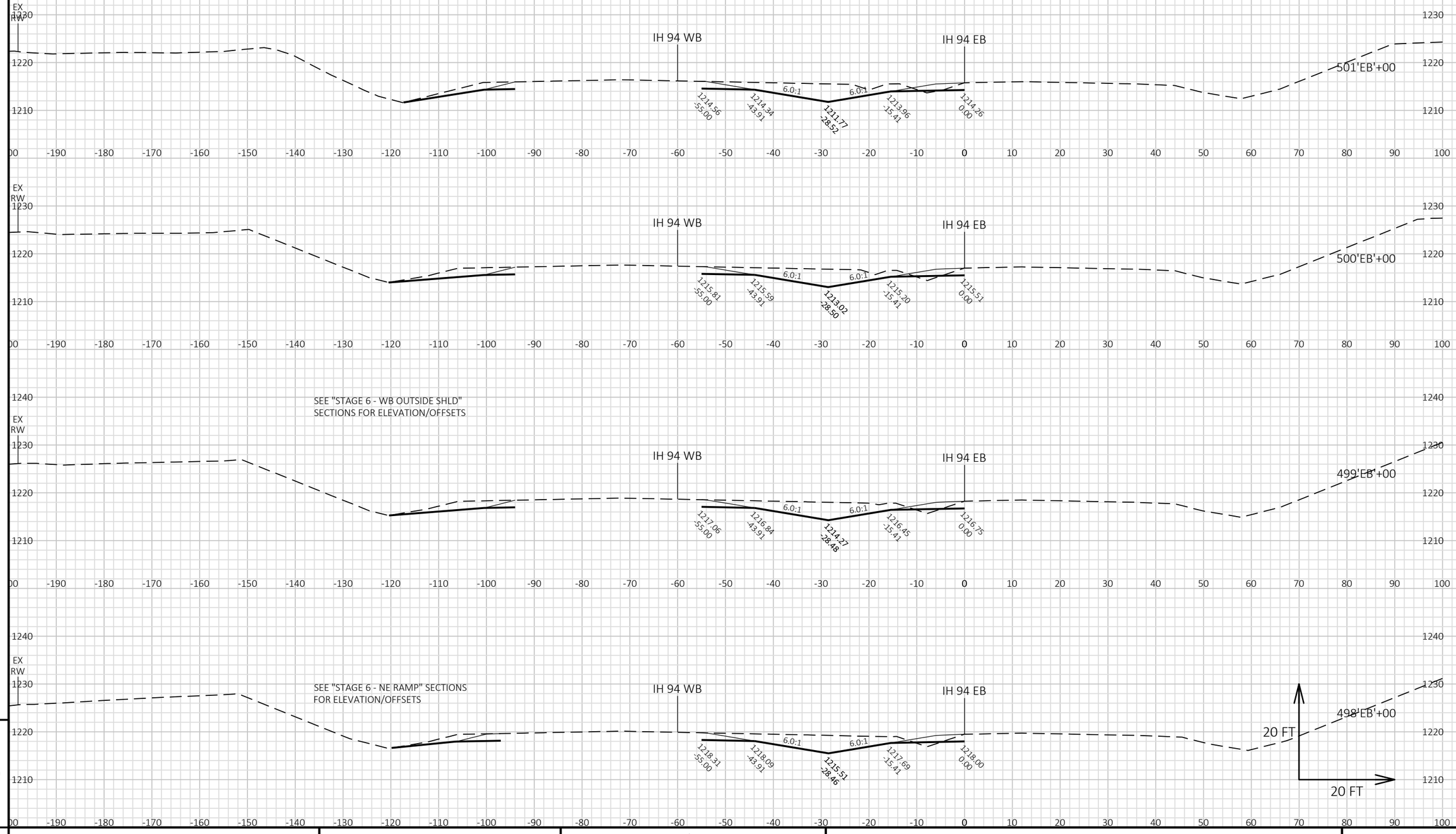


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1544	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090193_xs

PLOT DATE : 8/15/2018 10:29 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



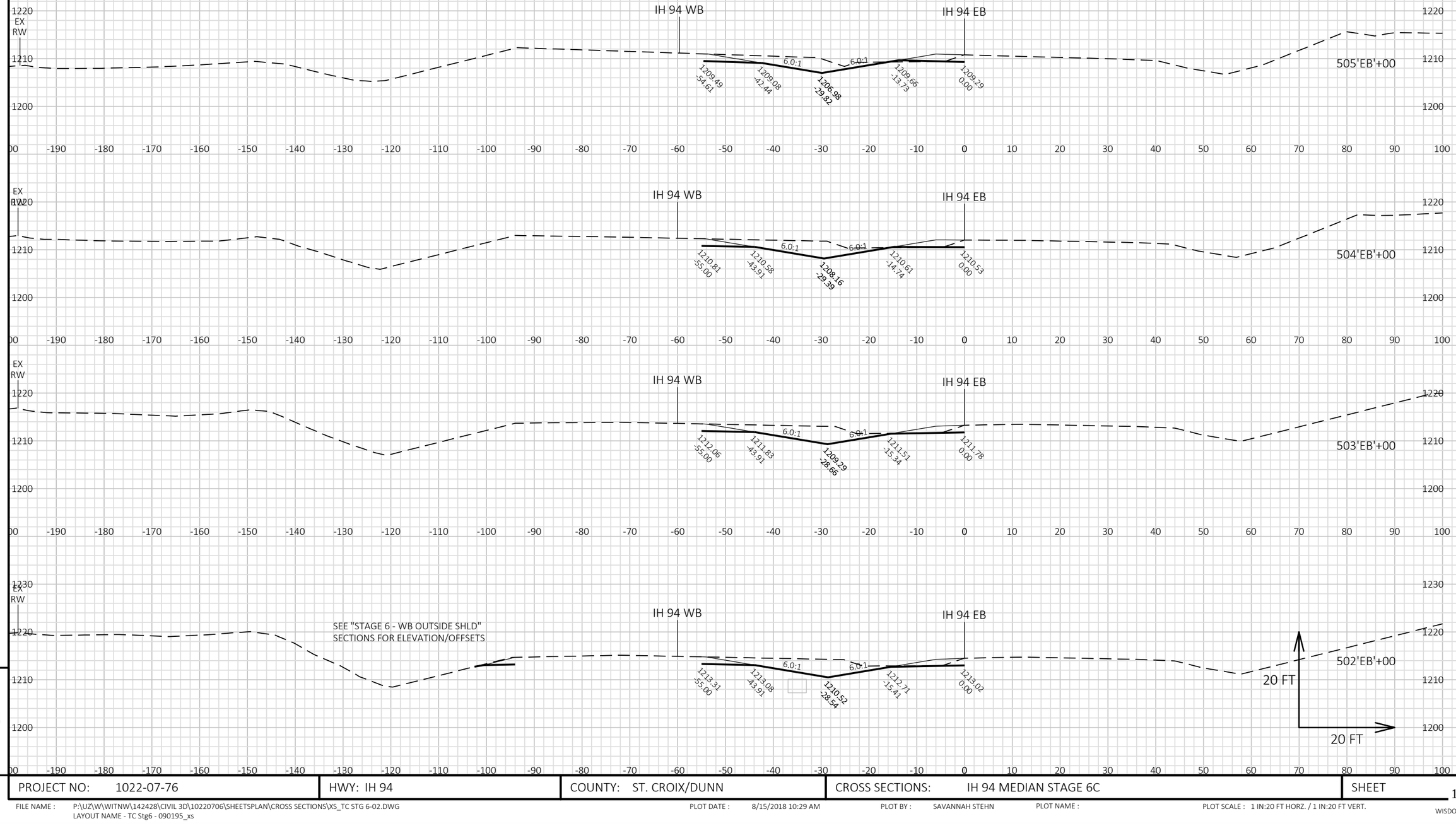
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1545	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090194_xs

PLOT DATE : 8/15/2018 10:29 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



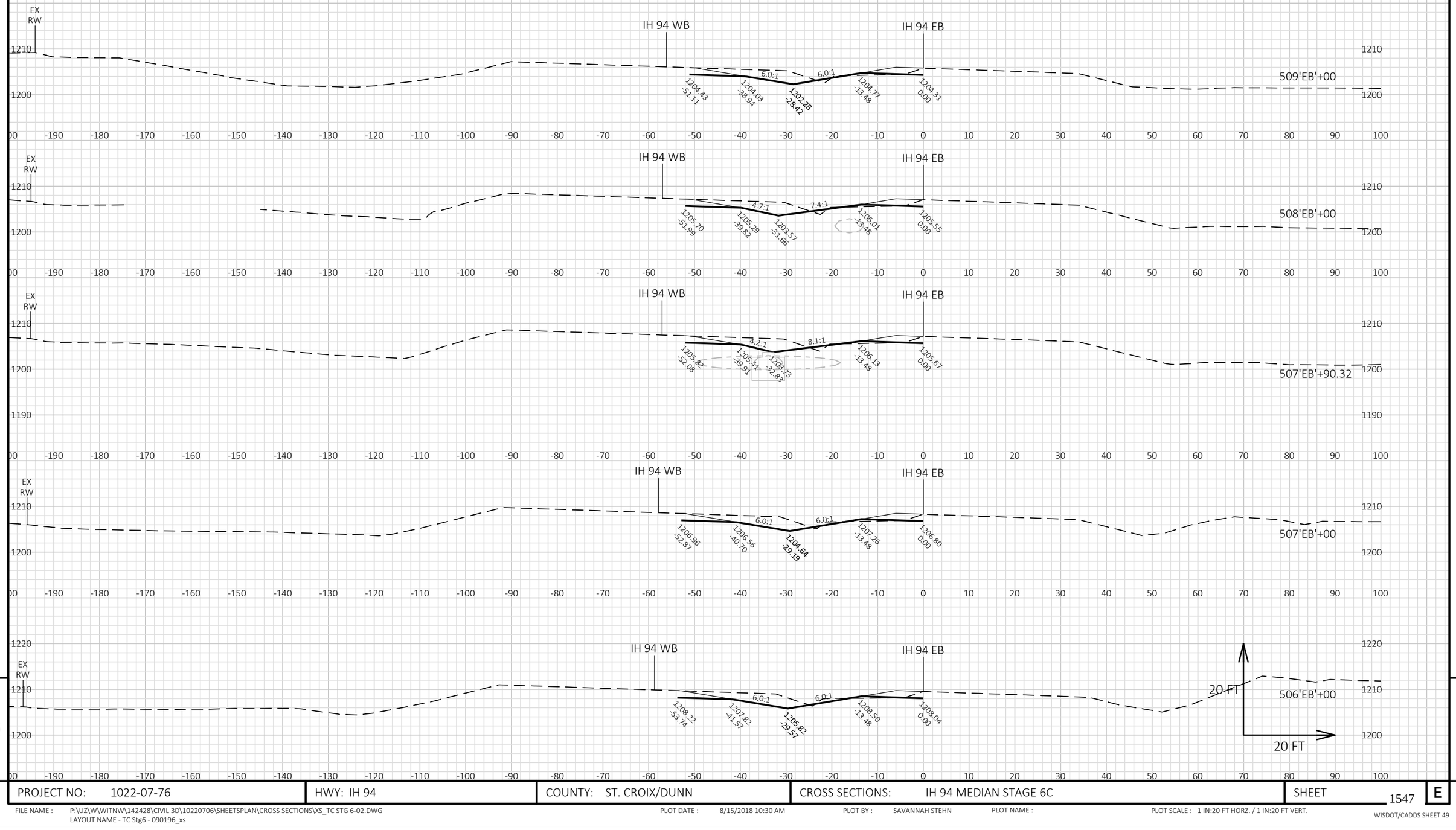
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1546	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090195_xs

PLOT DATE : 8/15/2018 10:29 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

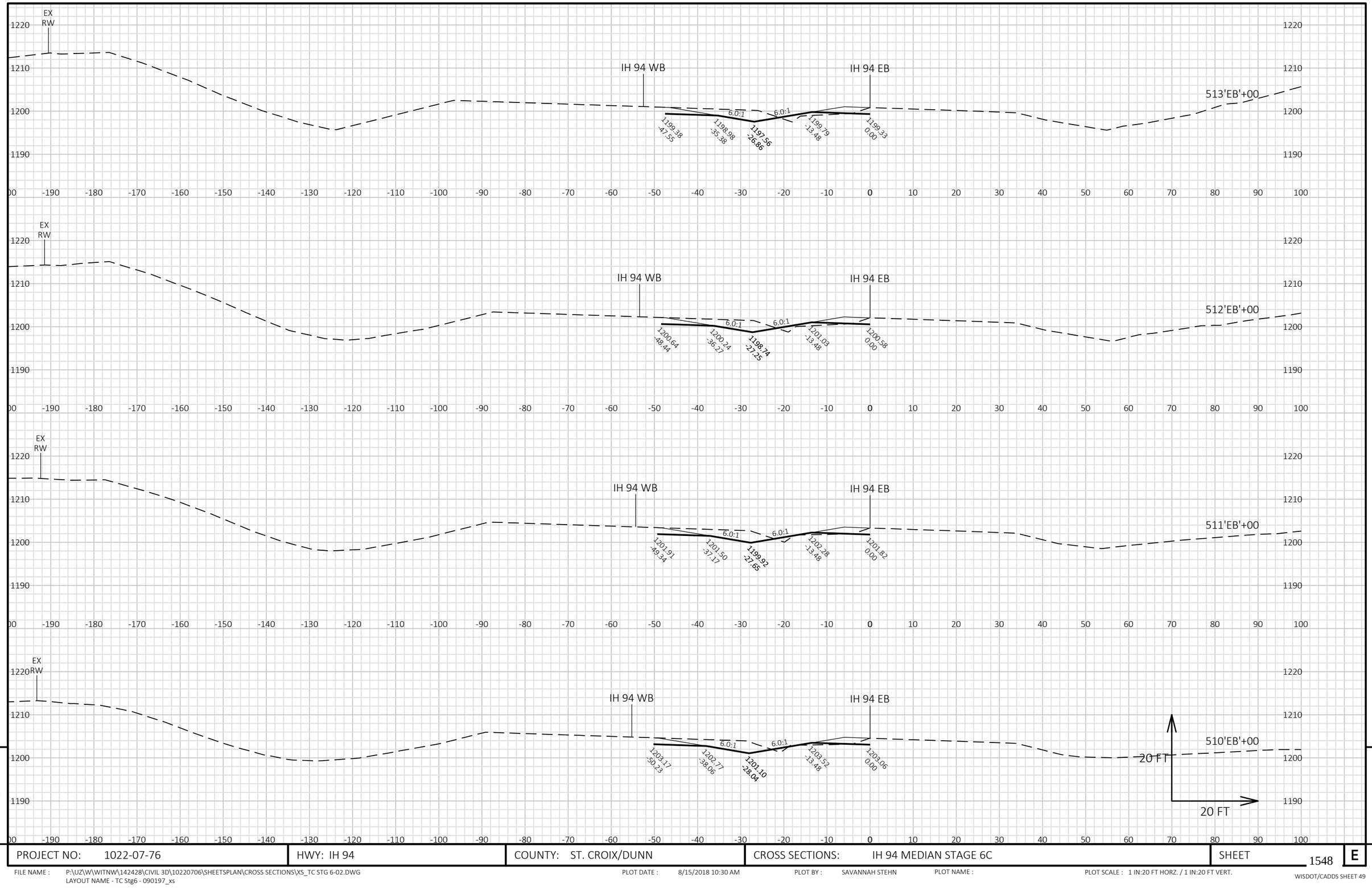


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1547 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090196_xs

PLOT DATE : 8/15/2018 10:30 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



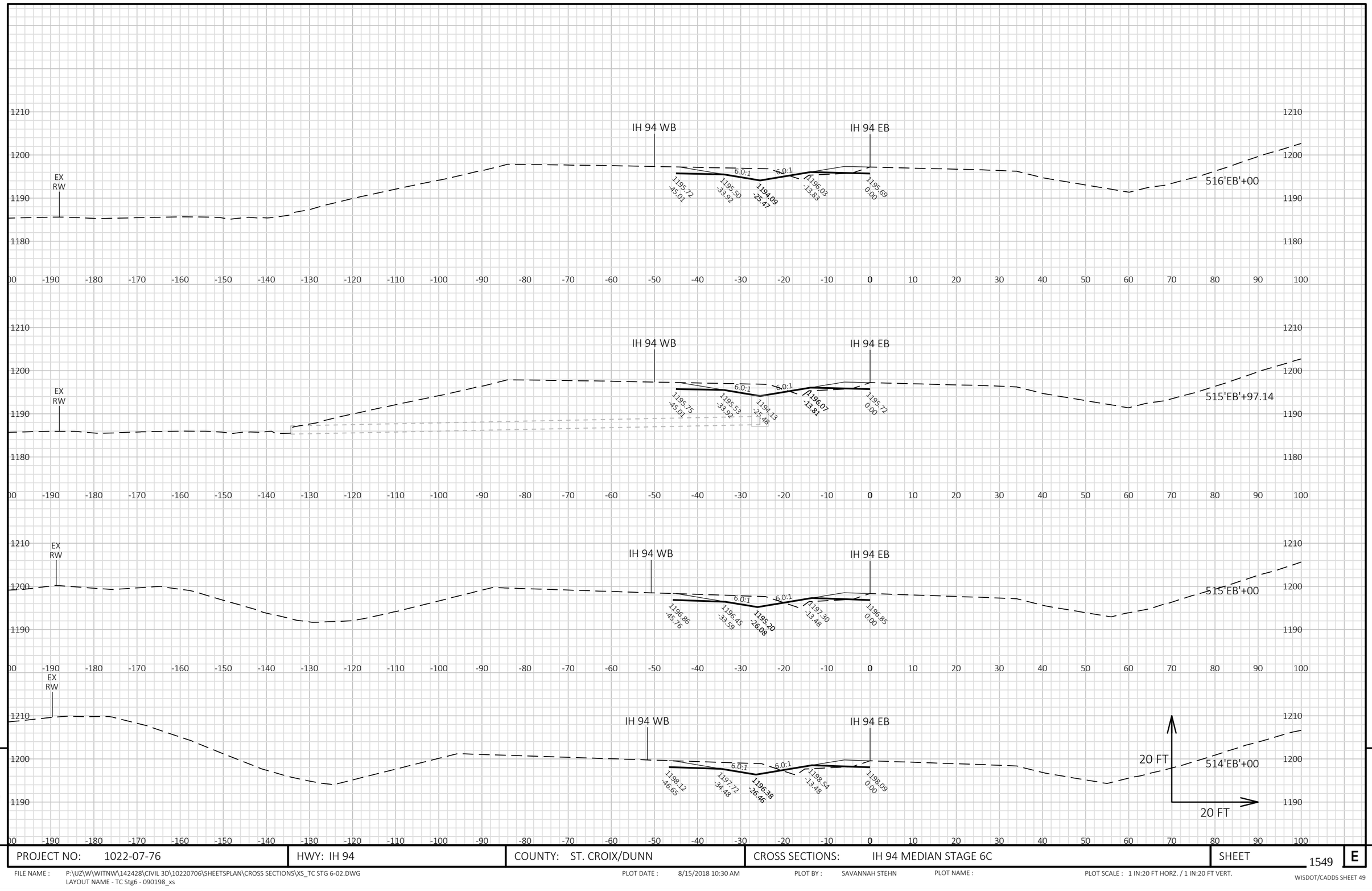
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1548	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090197_xs

PLOT DATE : 8/15/2018 10:30 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



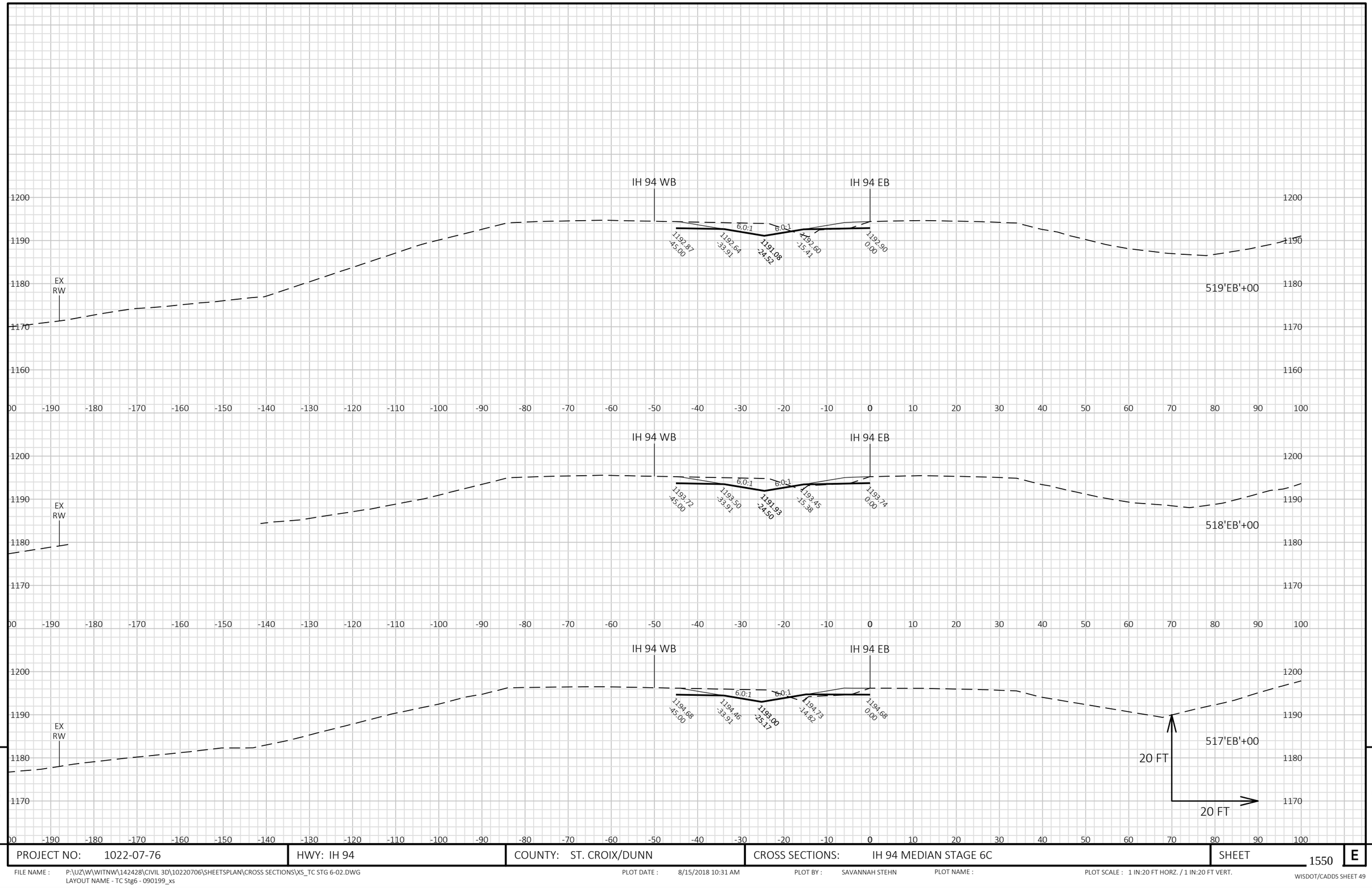
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1549	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090198_xs

PLOT DATE : 8/15/2018 10:30 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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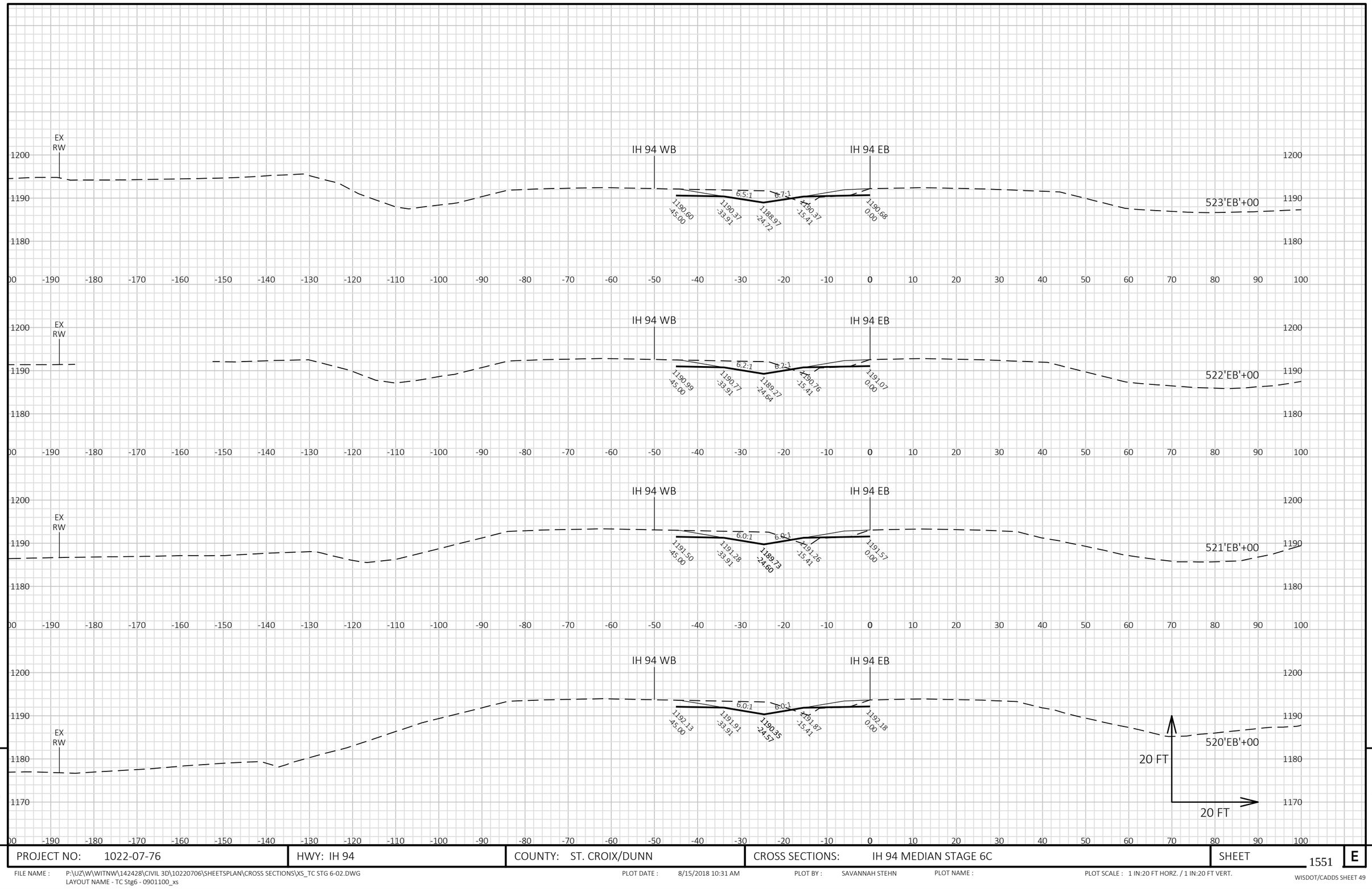
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1550	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090199_xs

PLOT DATE : 8/15/2018 10:31 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



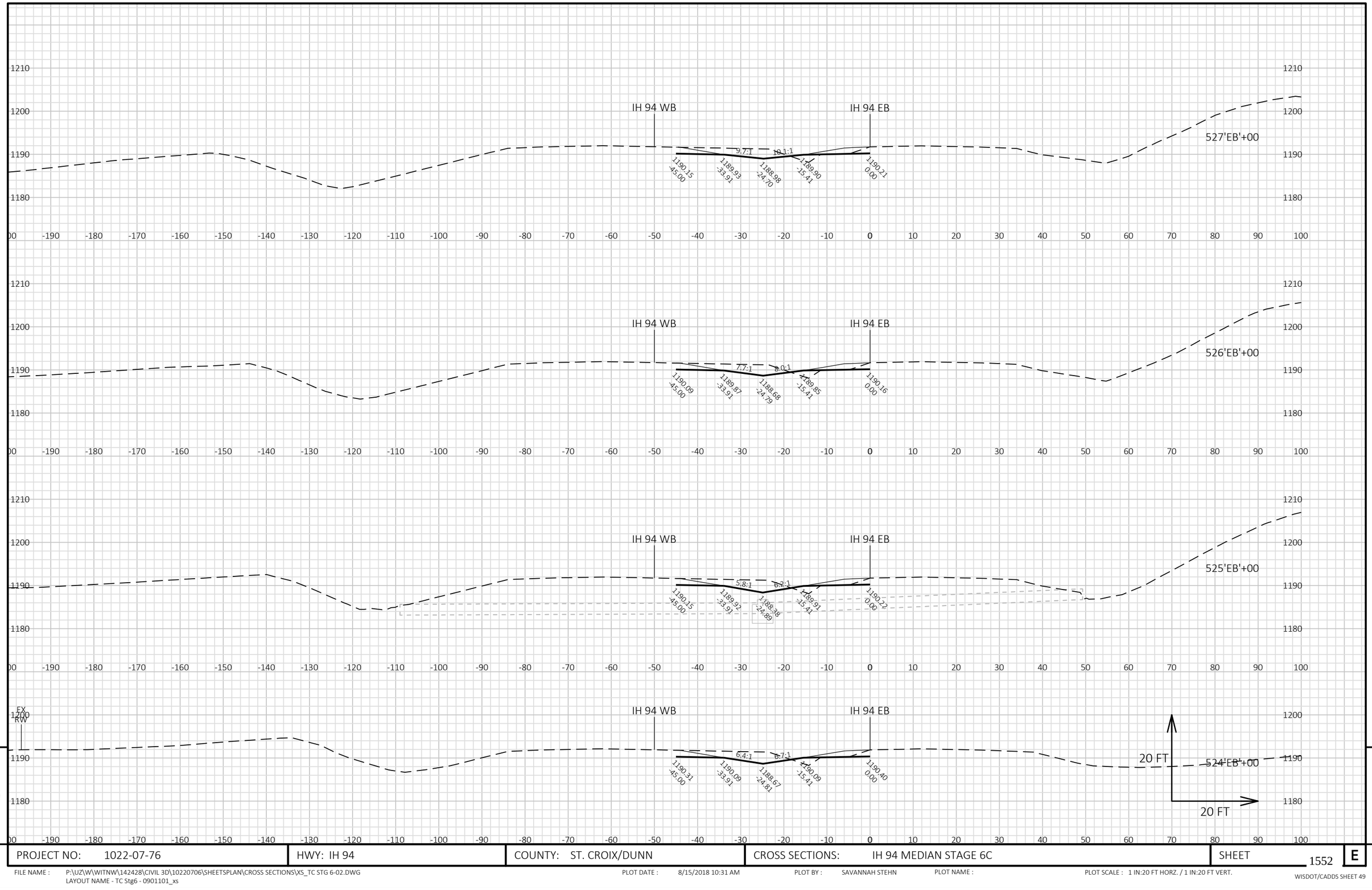
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1551	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 0901100_xs

PLOT DATE : 8/15/2018 10:31 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



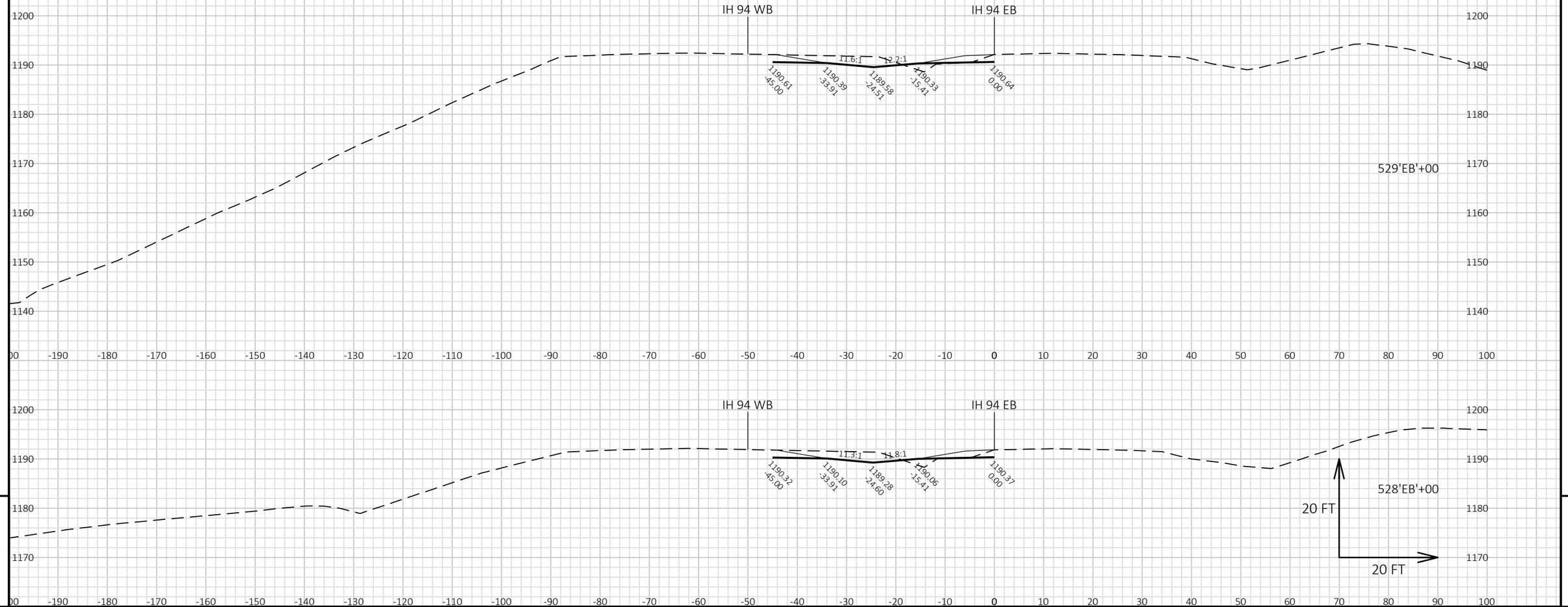
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1552 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 0901101_xs

PLOT DATE : 8/15/2018 10:31 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

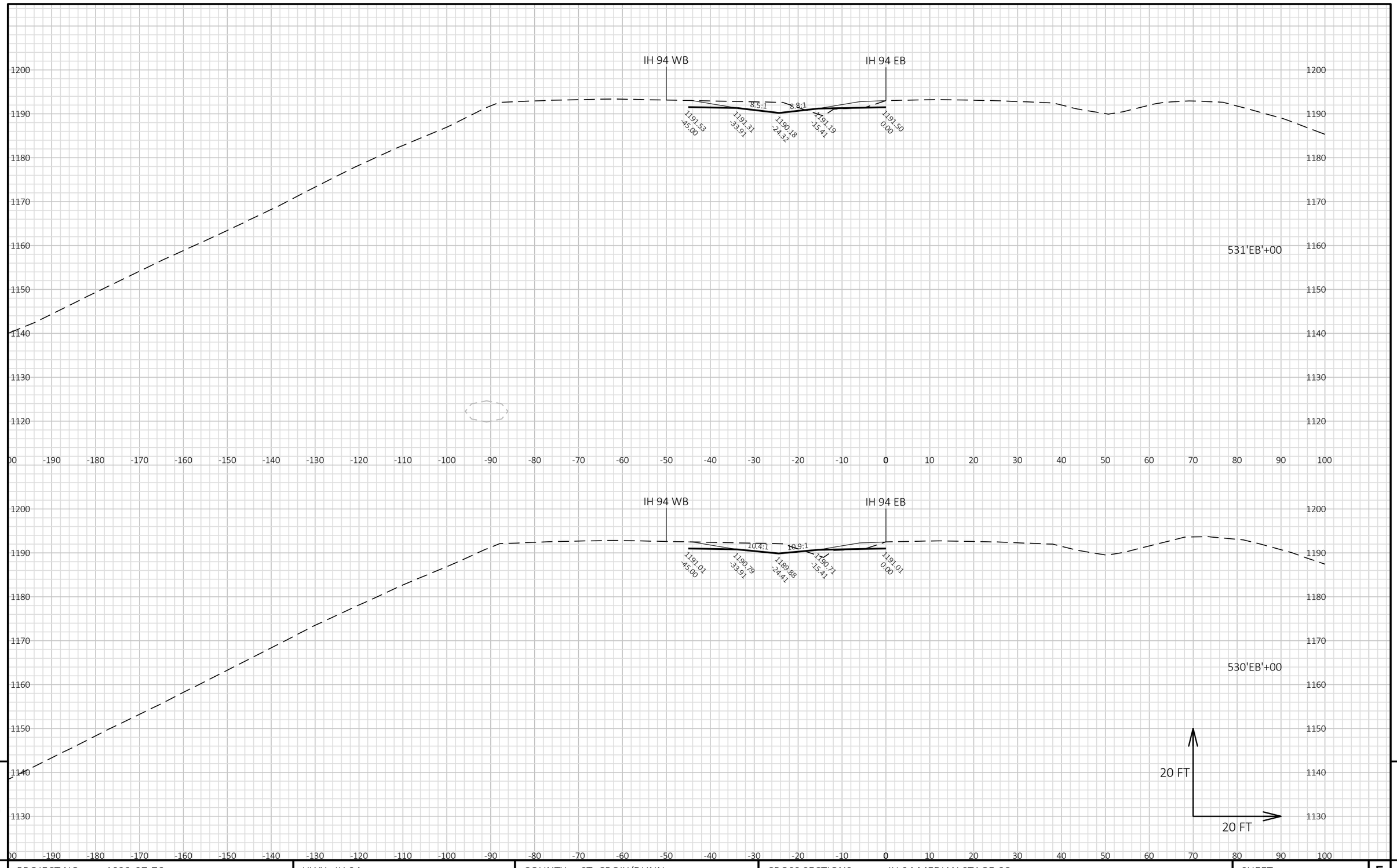


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1553 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 0901102_xs

PLOT DATE : 8/15/2018 10:32 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



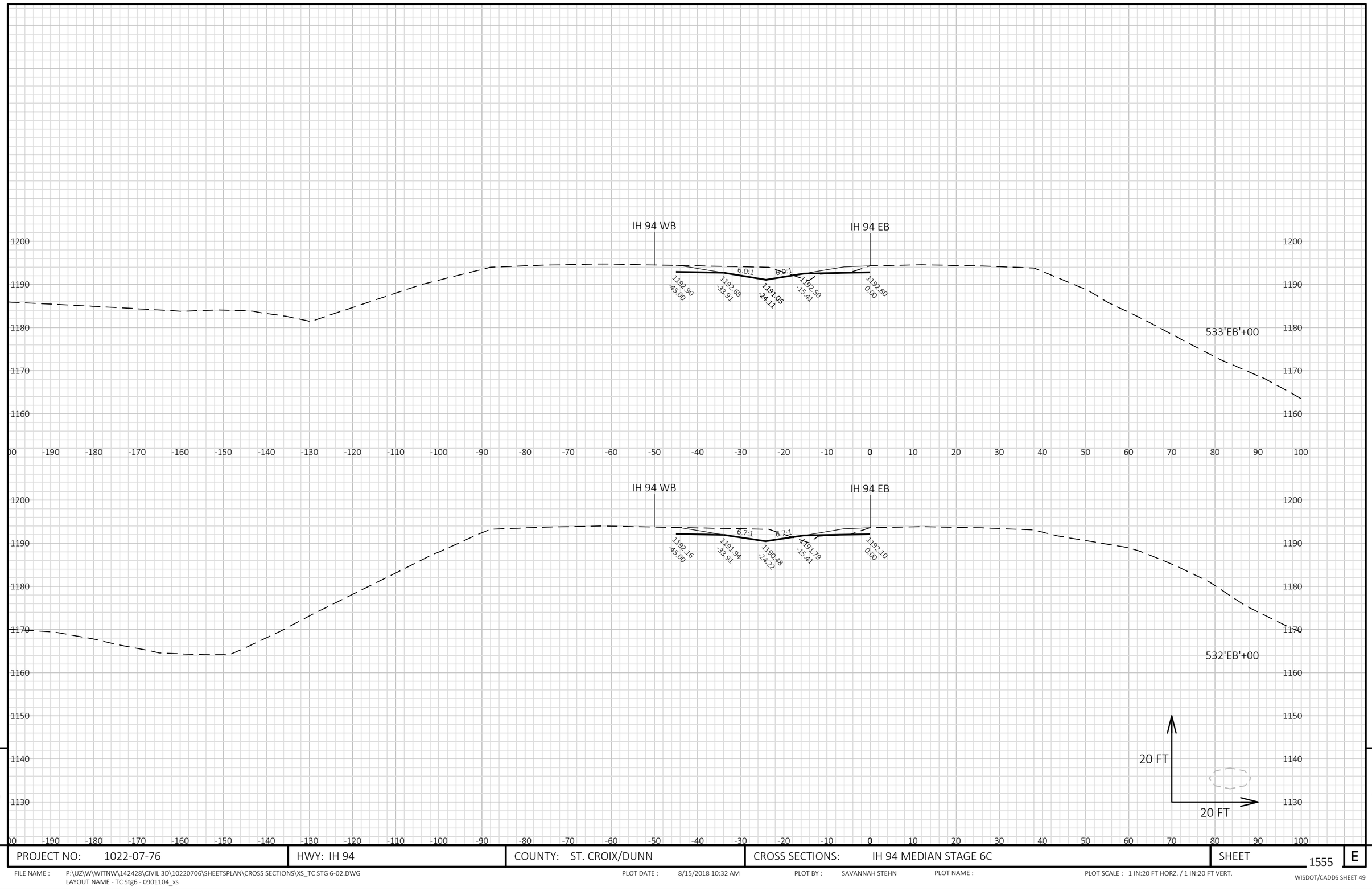
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1554	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 0901103_xs

PLOT DATE : 8/15/2018 10:32 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

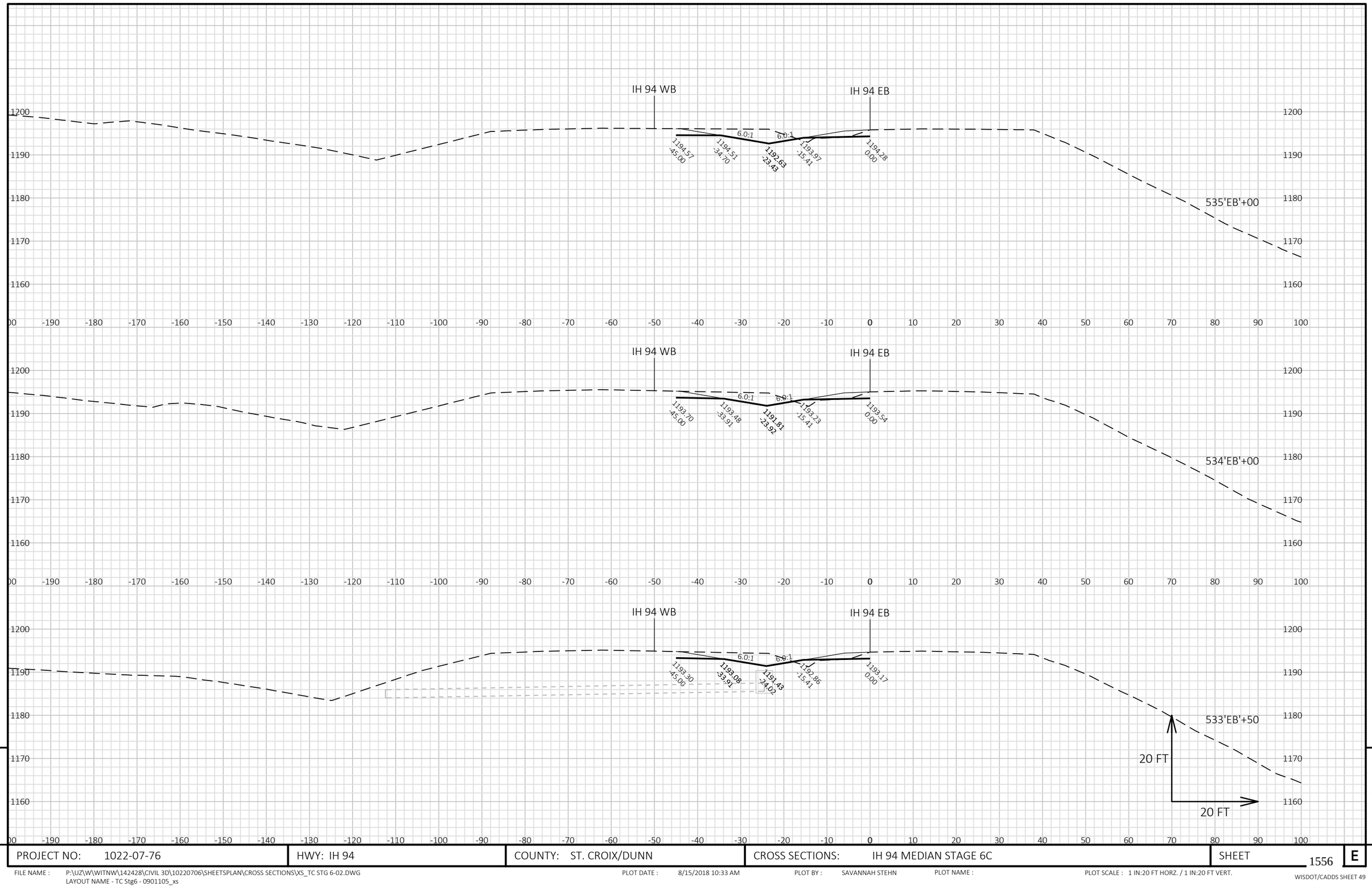


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1555	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 0901104_xs

PLOT DATE : 8/15/2018 10:32 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



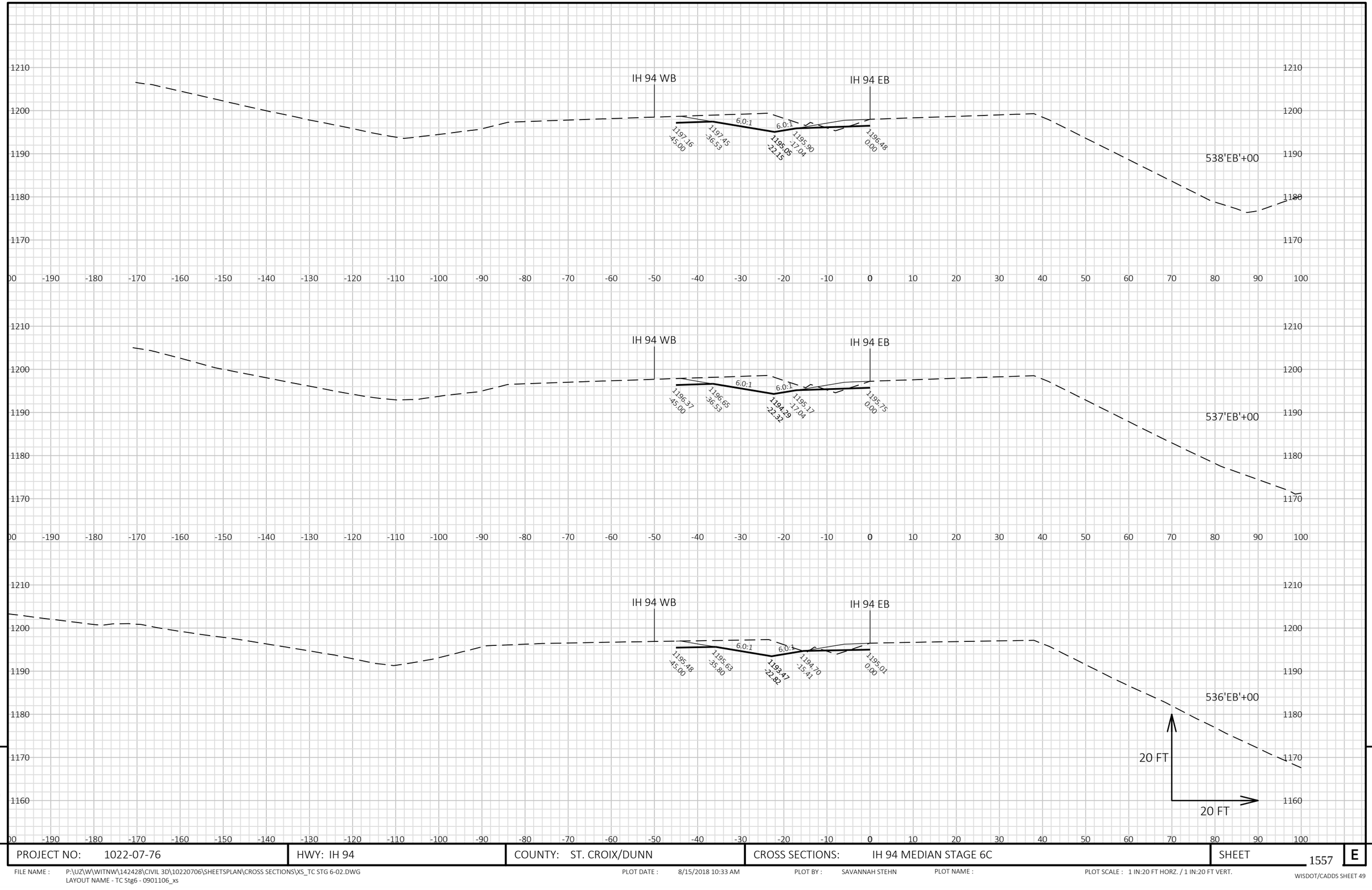
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1556	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 0901105_xs

PLOT DATE : 8/15/2018 10:33 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

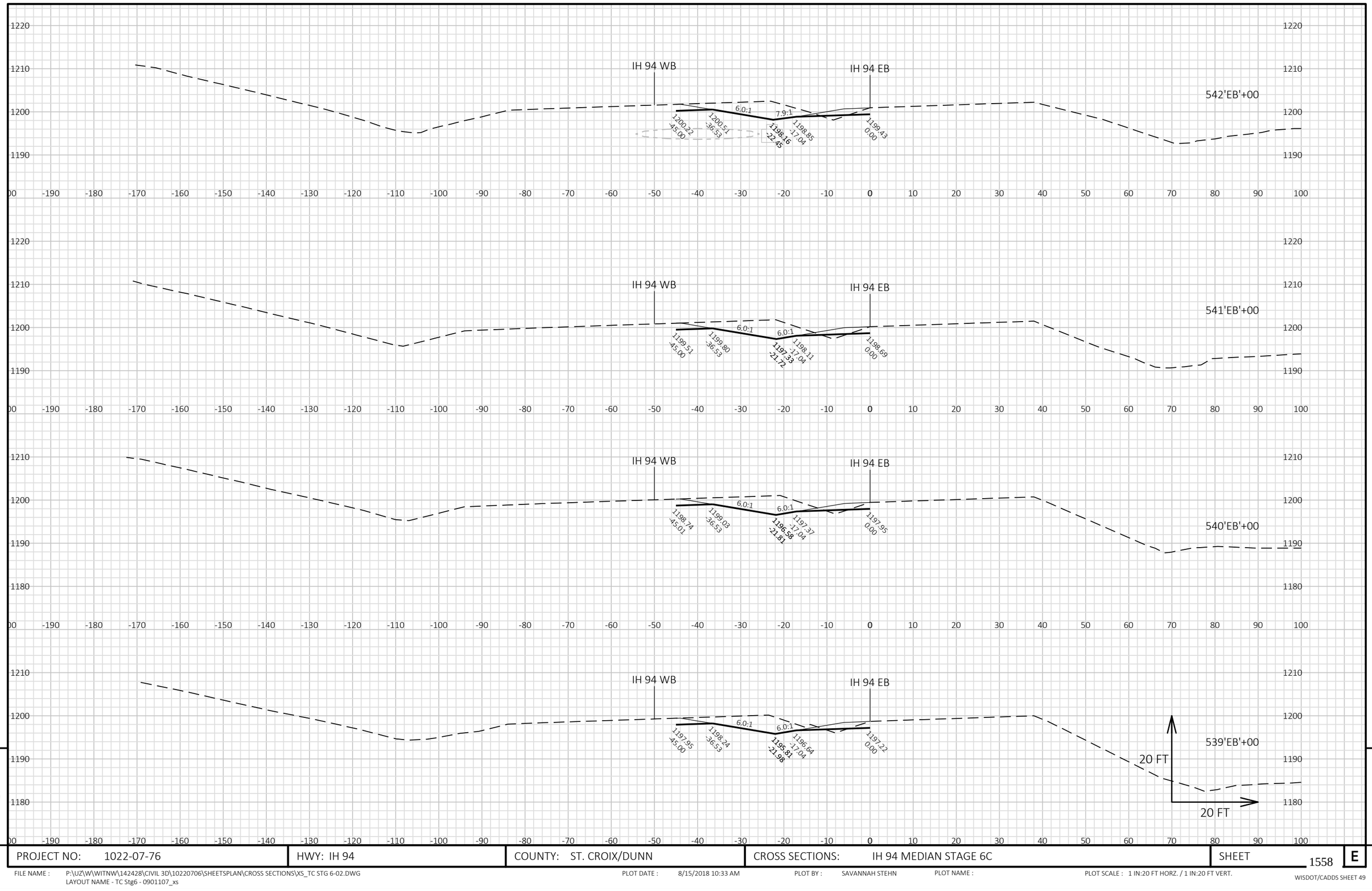


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1557 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 0901106_xs

PLOT DATE : 8/15/2018 10:33 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



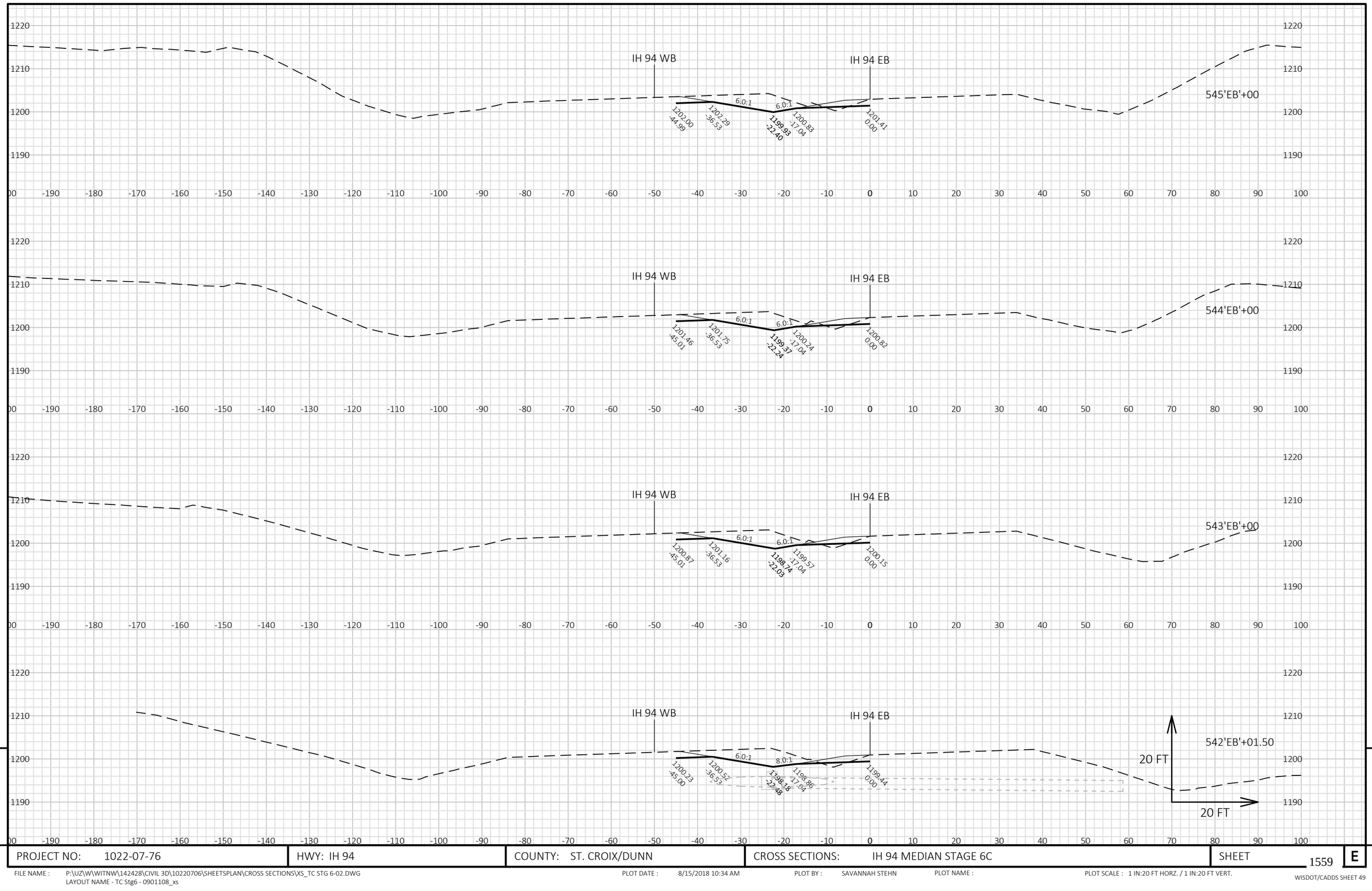
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1558	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 0901107_xs

PLOT DATE : 8/15/2018 10:33 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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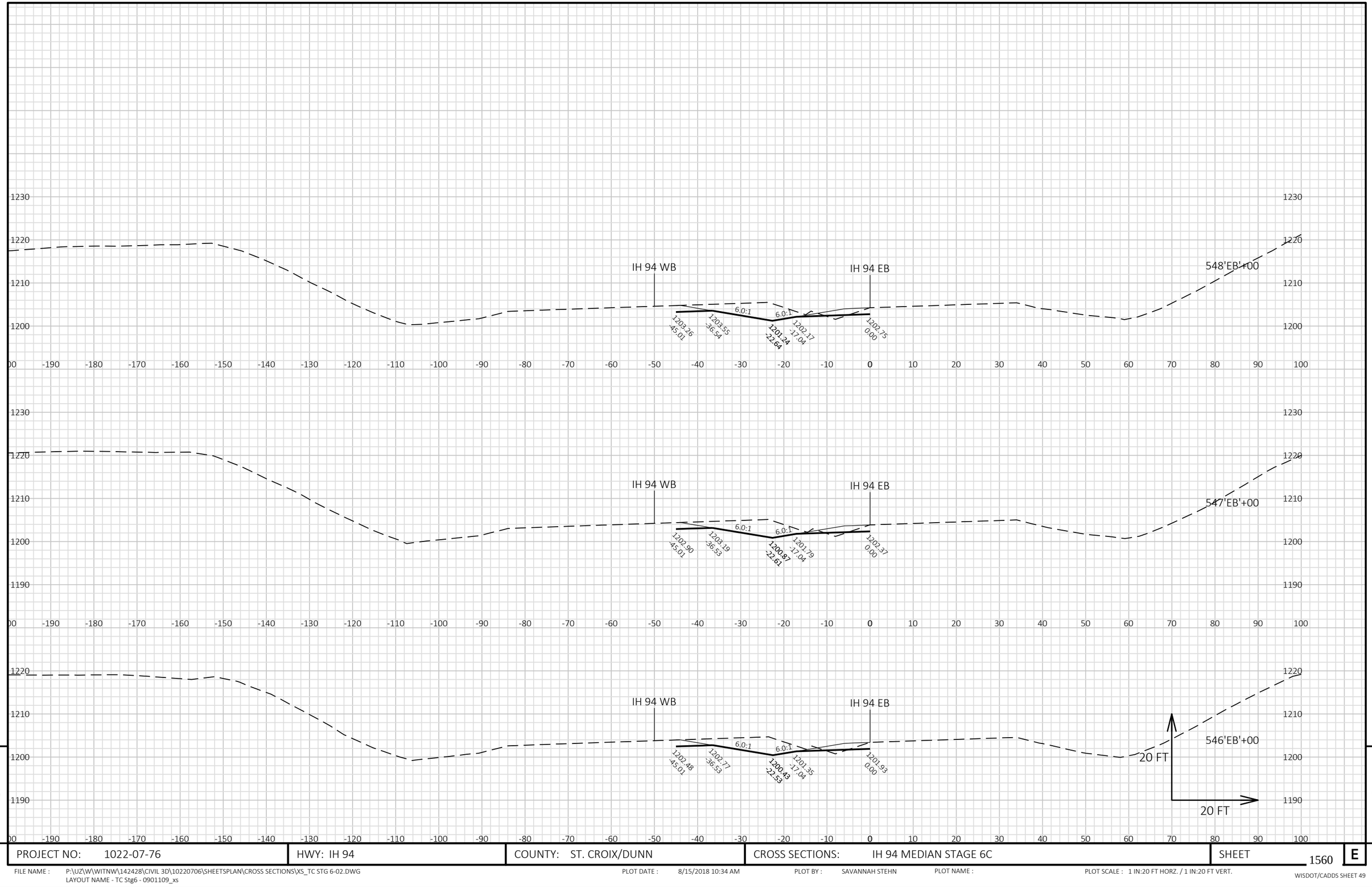
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1559	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 0901108_xs

PLOT DATE : 8/15/2018 10:34 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

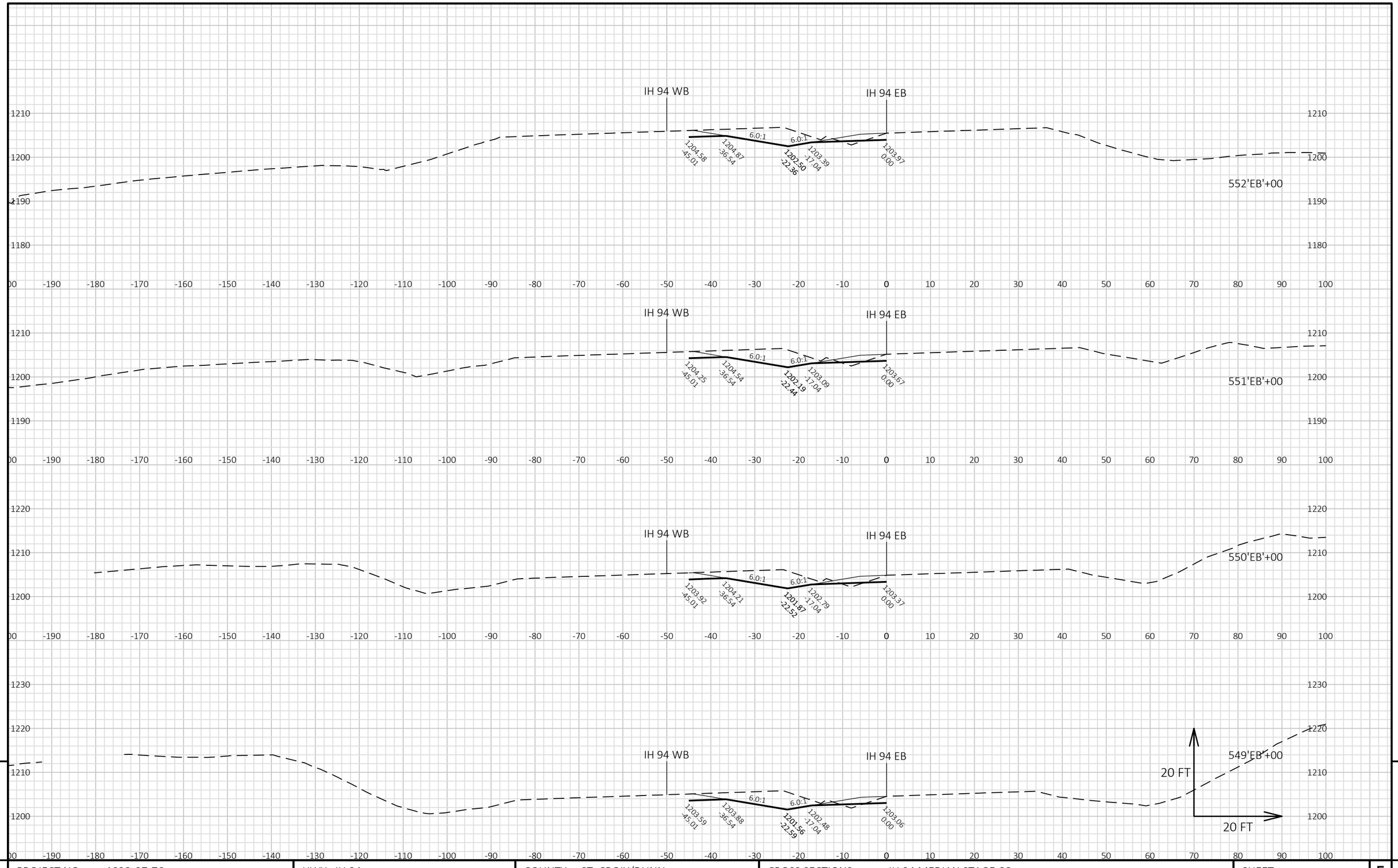


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1560 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 0901109_xs

PLOT DATE : 8/15/2018 10:34 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



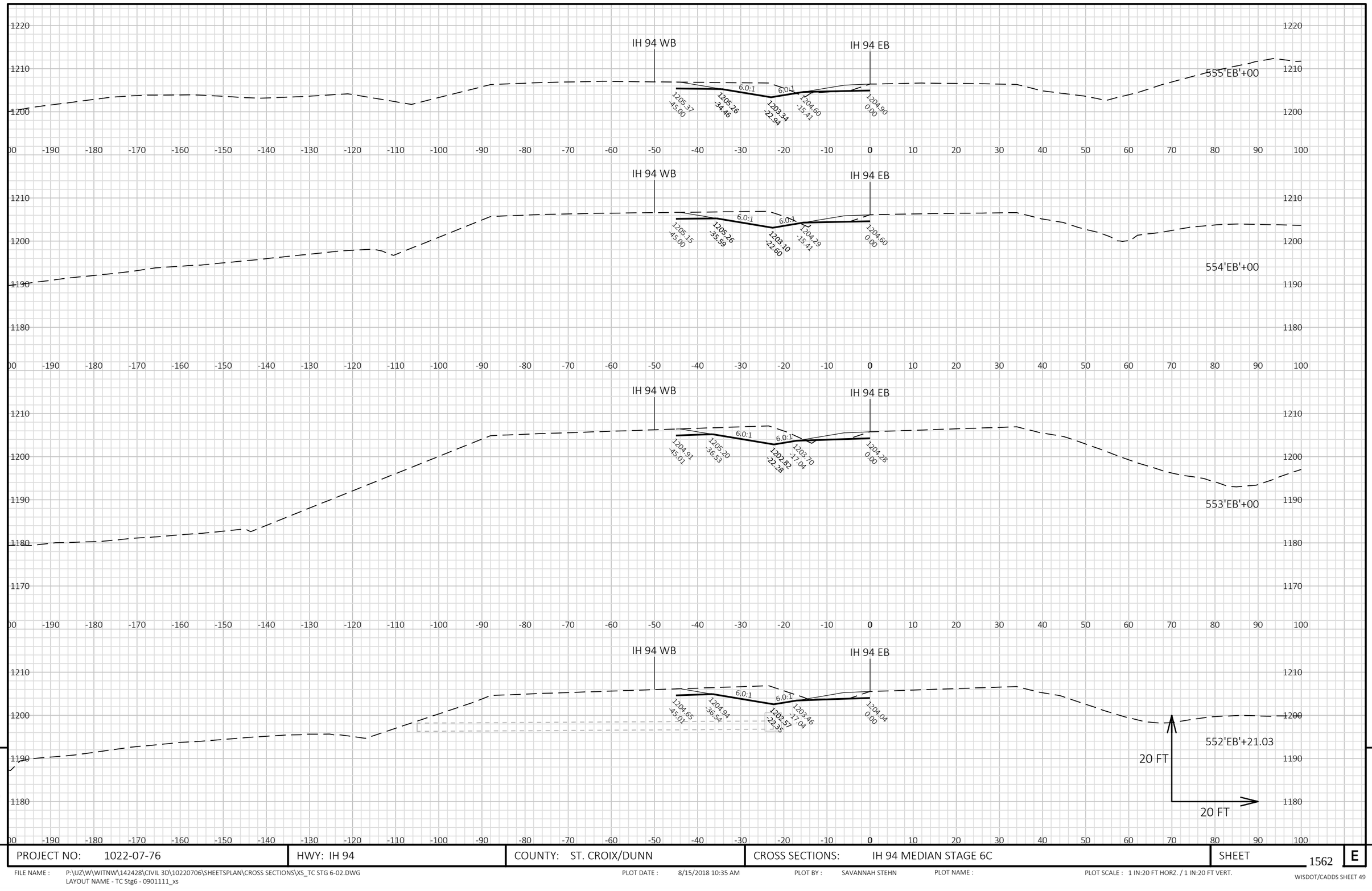
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9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1561	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 0901110_xs

PLOT DATE : 8/15/2018 10:34 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



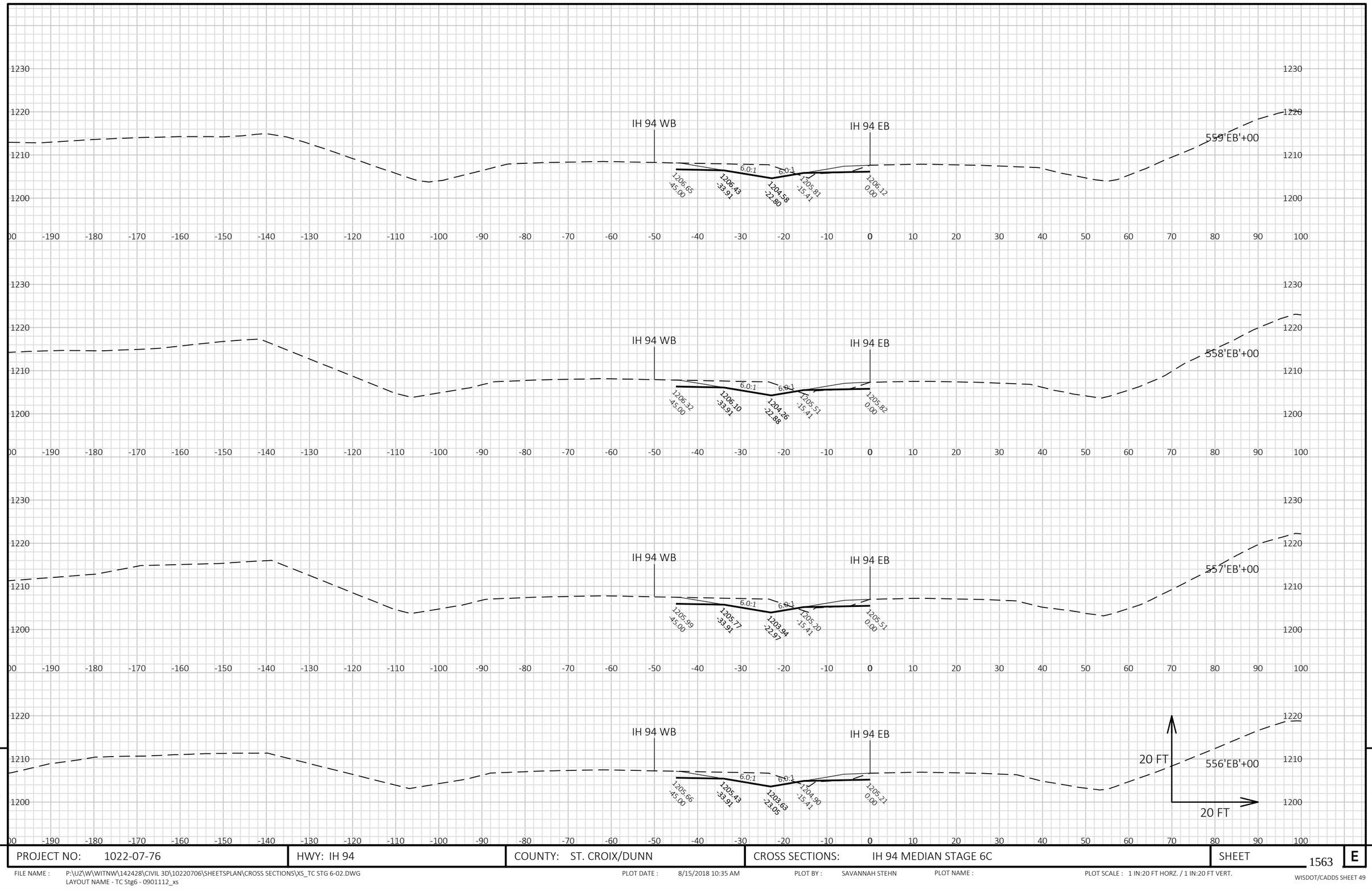
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1562	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 0901111_xs

PLOT DATE : 8/15/2018 10:35 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



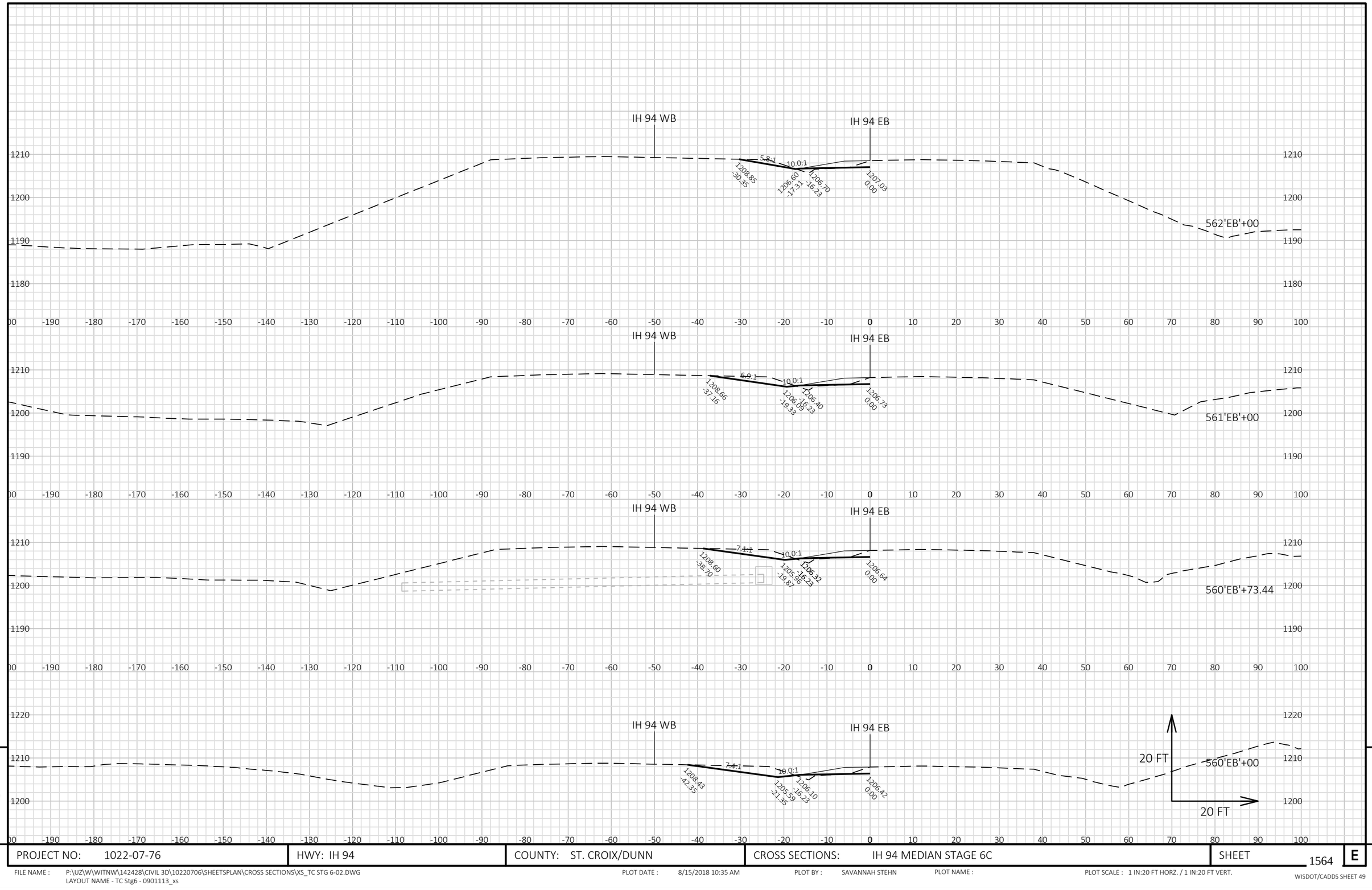
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1563	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 0901112_xs

PLOT DATE : 8/15/2018 10:35 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



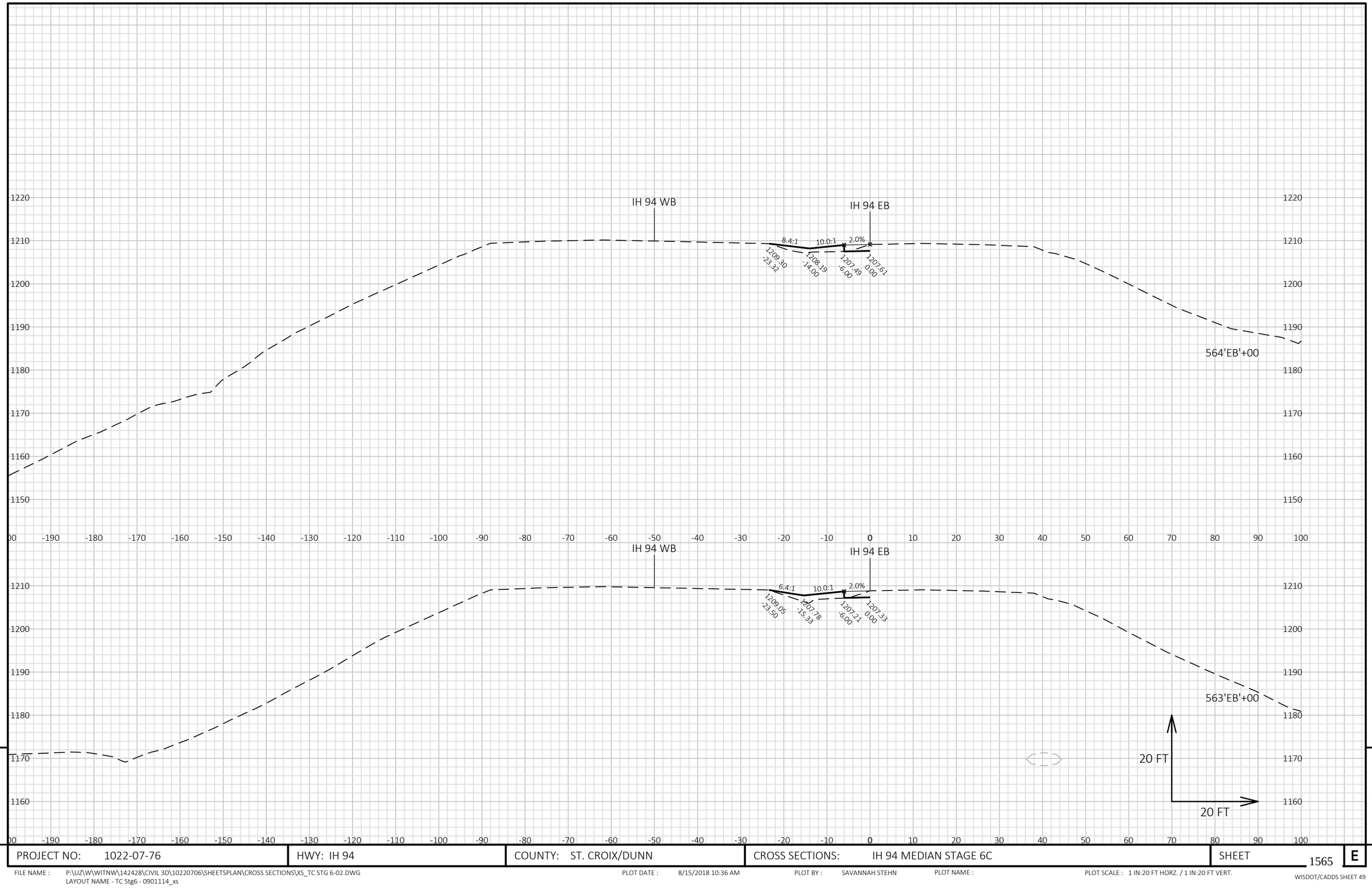
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1564 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 0901113_xs

PLOT DATE : 8/15/2018 10:35 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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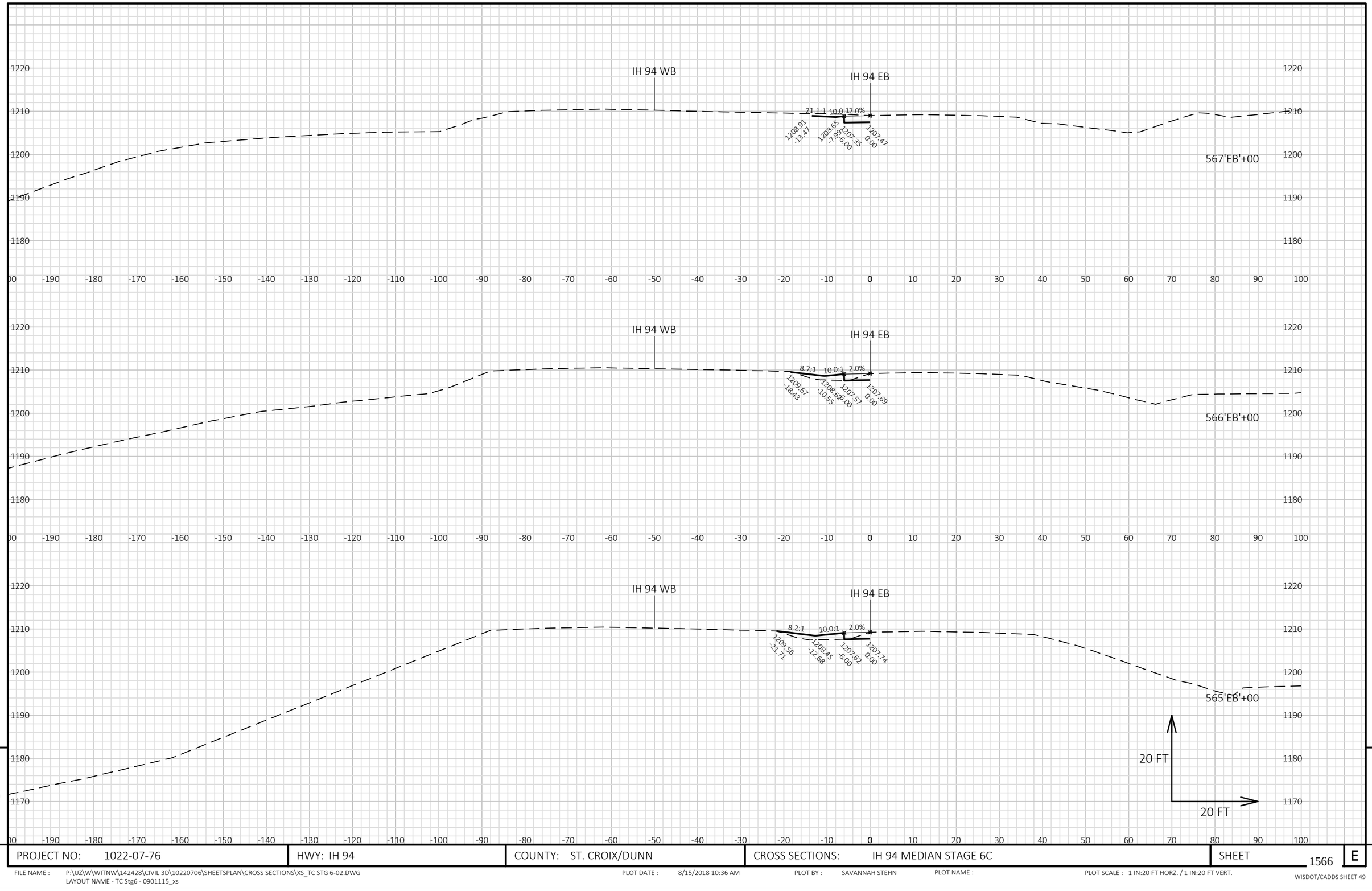
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1565	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 0901114_xs

PLOT DATE : 8/15/2018 10:36 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



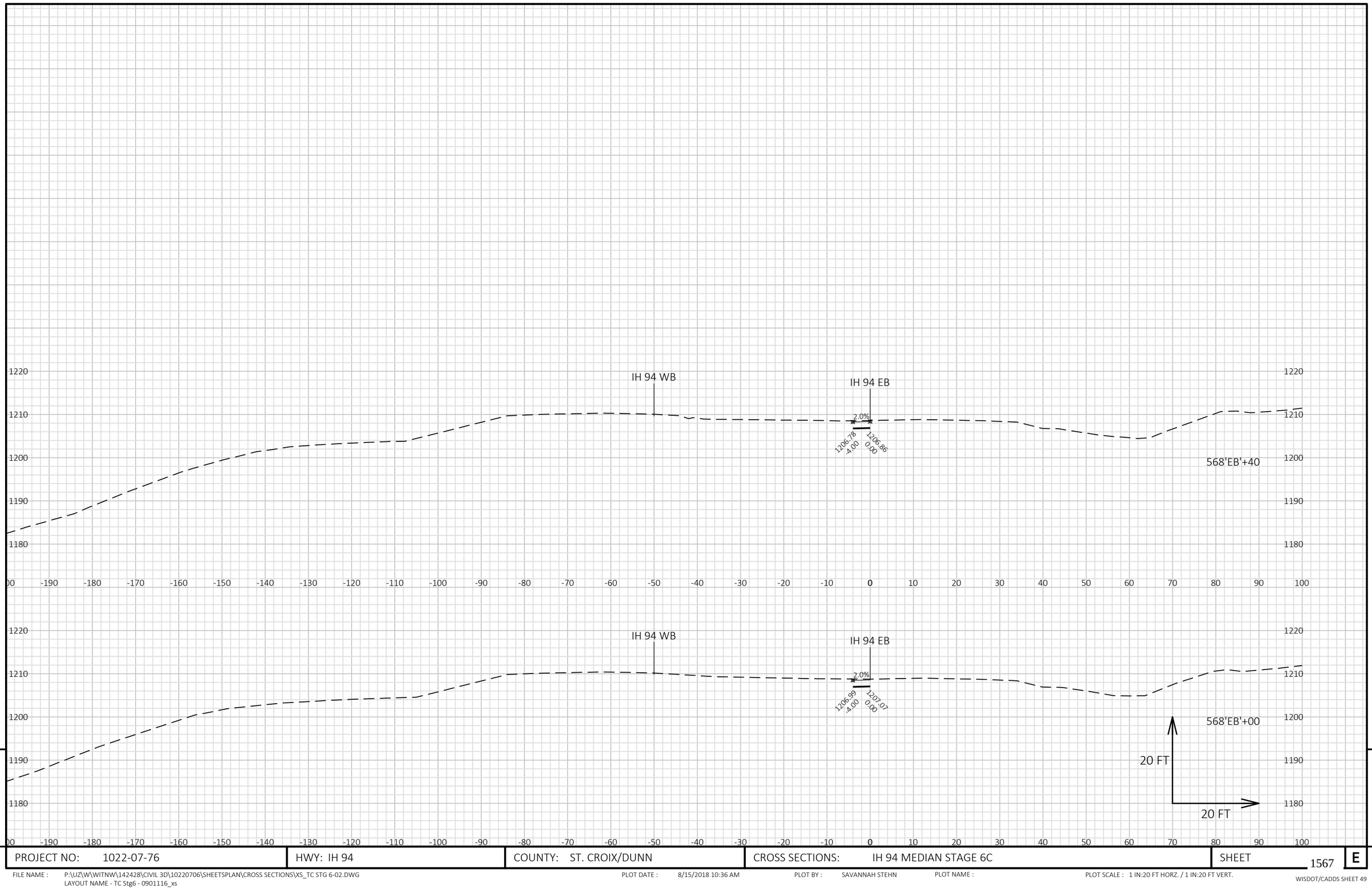
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1566	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 0901115_xs

PLOT DATE : 8/15/2018 10:36 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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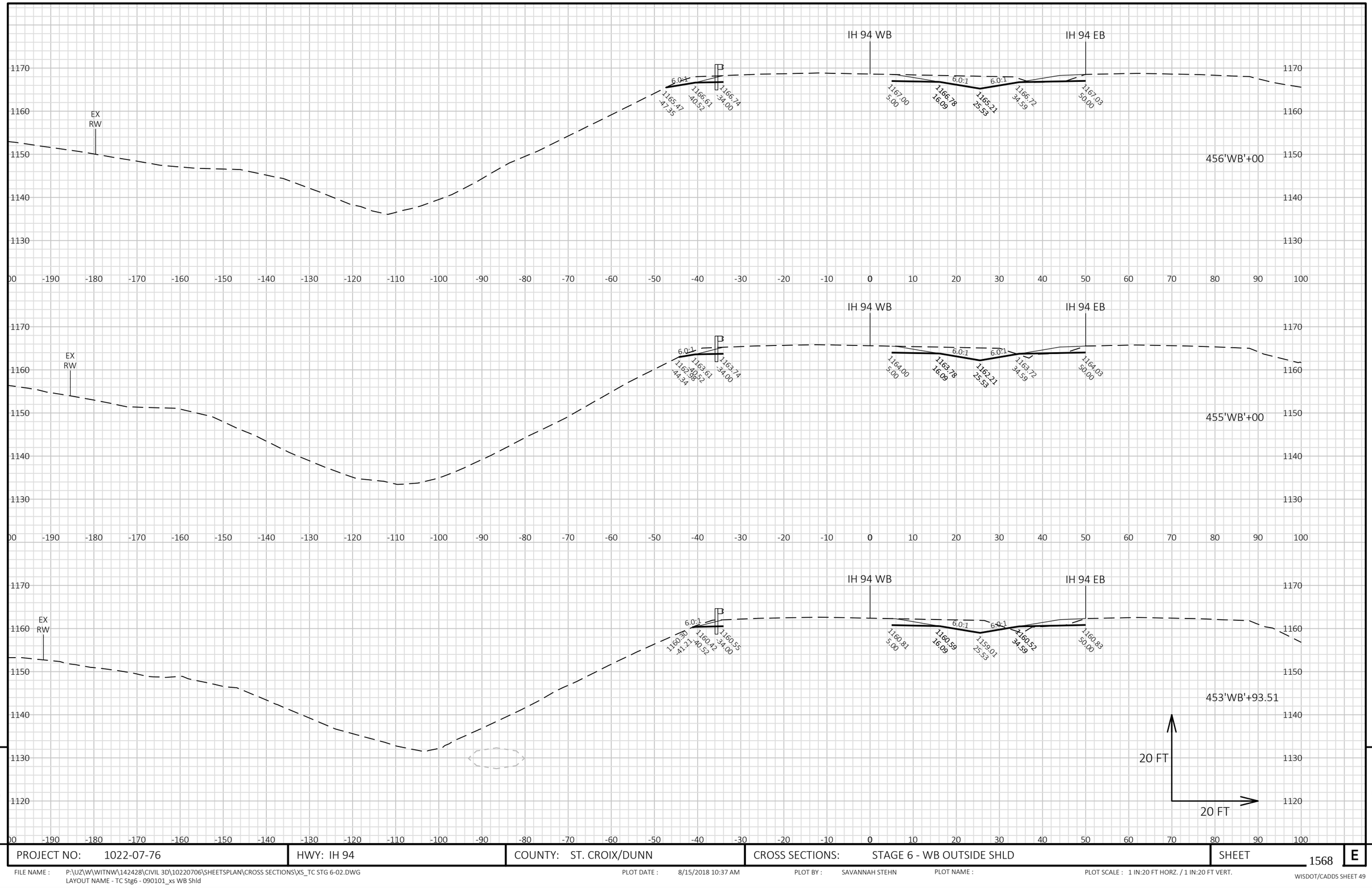
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: IH 94 MEDIAN STAGE 6C	SHEET 1567	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 0901116_xs

PLOT DATE : 8/15/2018 10:36 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



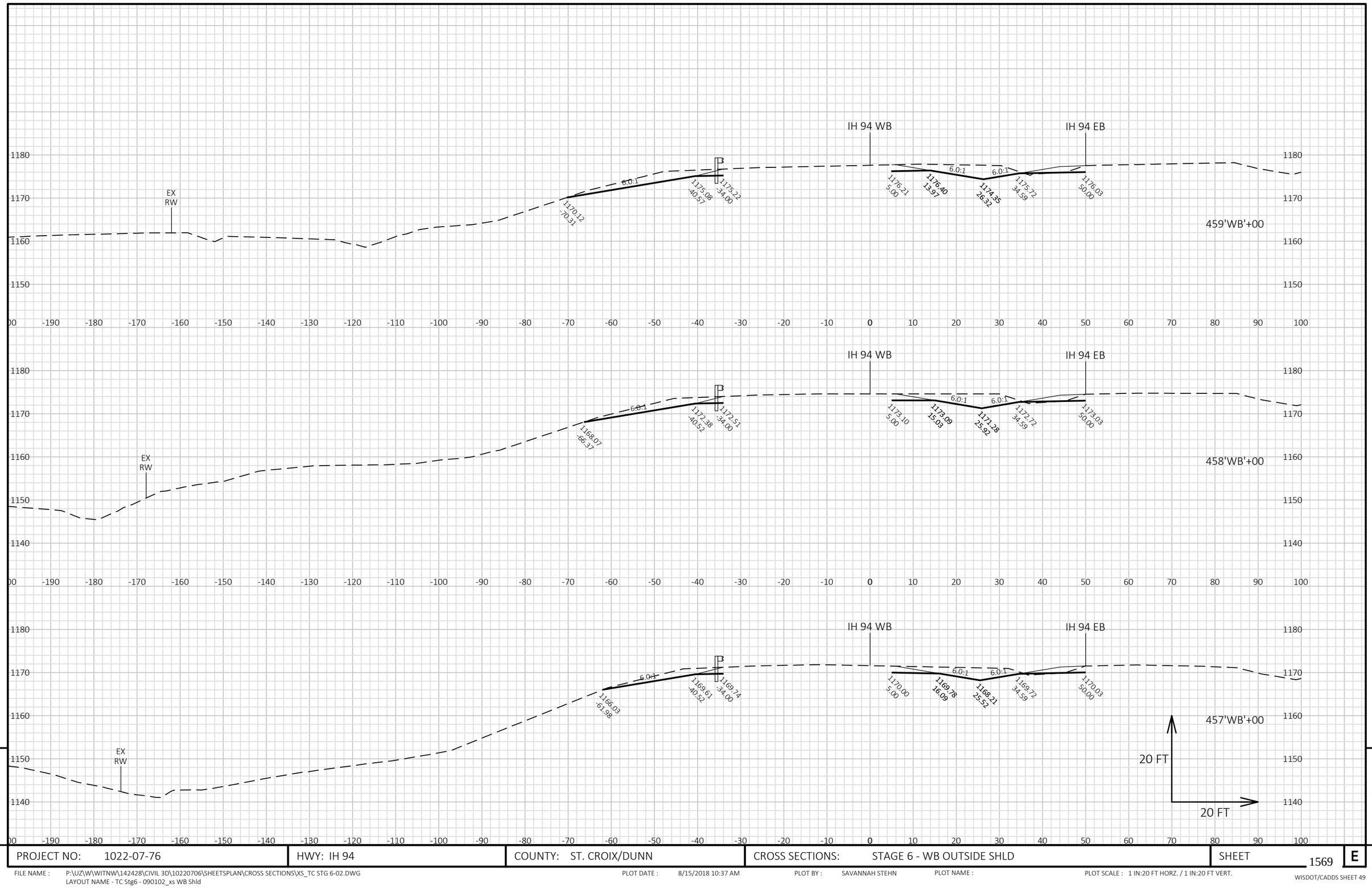
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 6 - WB OUTSIDE SHLD	SHEET 1568 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090101_xs WB Shld

PLOT DATE : 8/15/2018 10:37 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



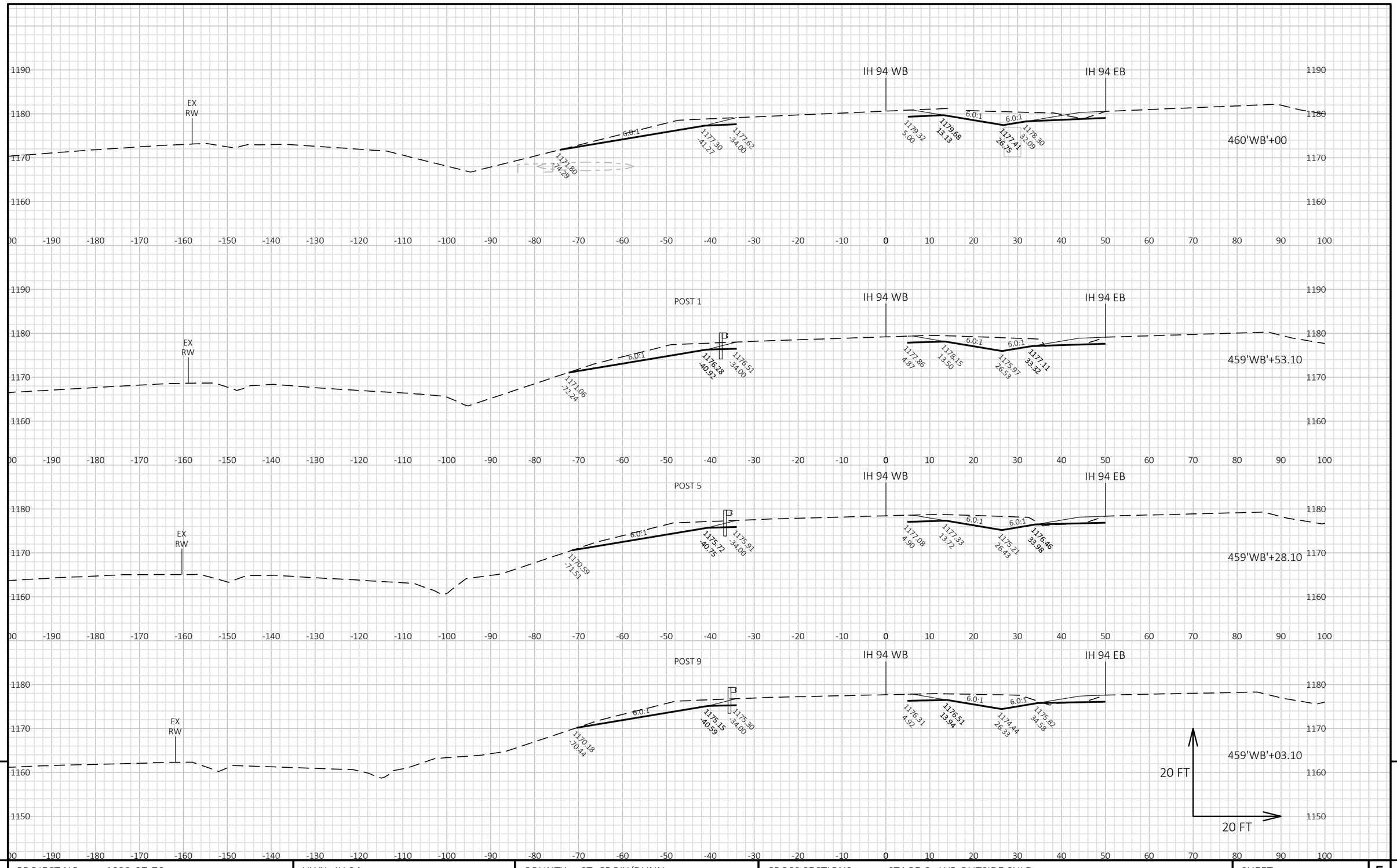
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 6 - WB OUTSIDE SHLD	SHEET 1569	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090102_xs WB Shld

PLOT DATE : 8/15/2018 10:37 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



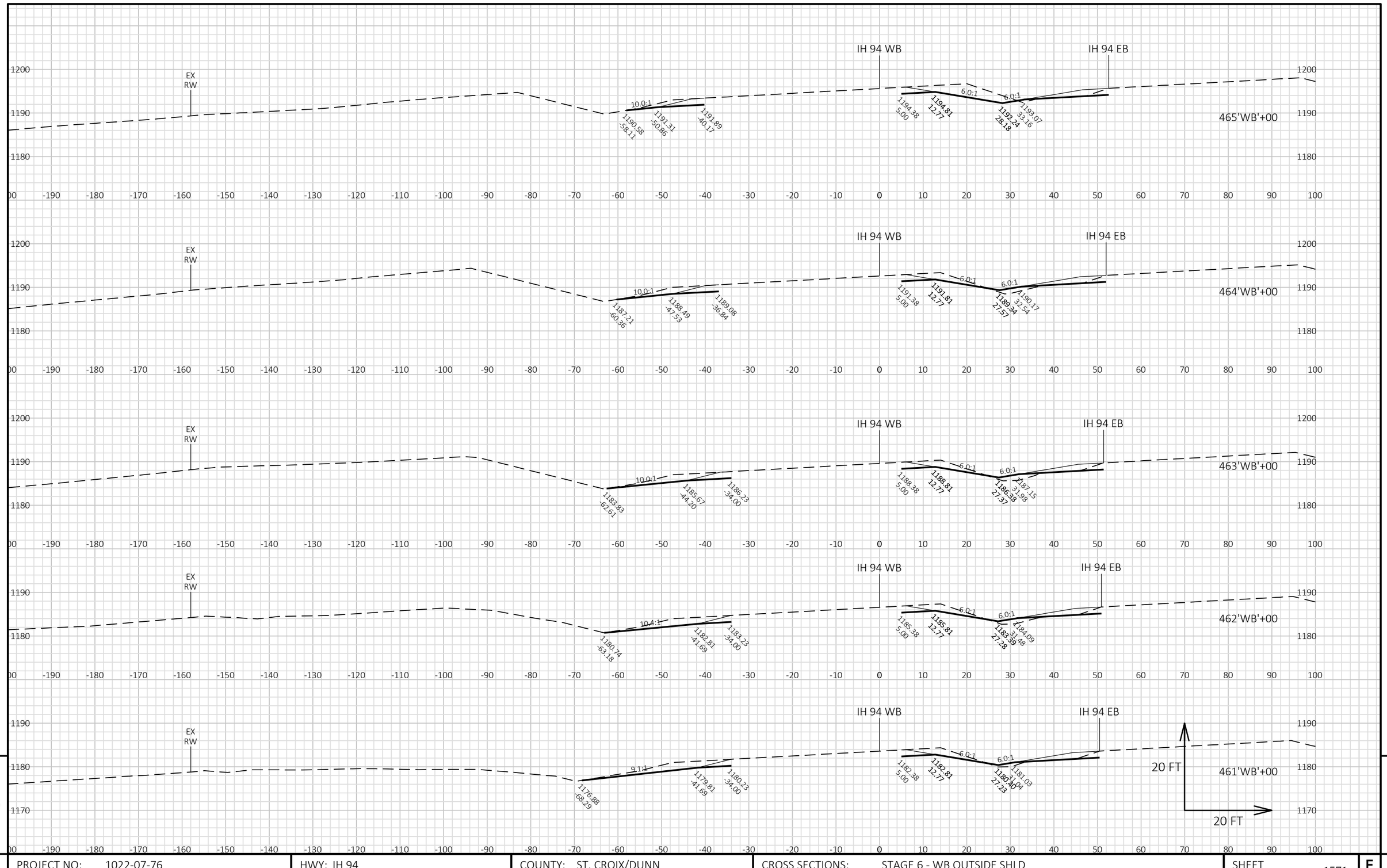
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 6 - WB OUTSIDE SHLD	SHEET 1570	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090103_xs WB Shld

PLOT DATE : 8/15/2018 10:37 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



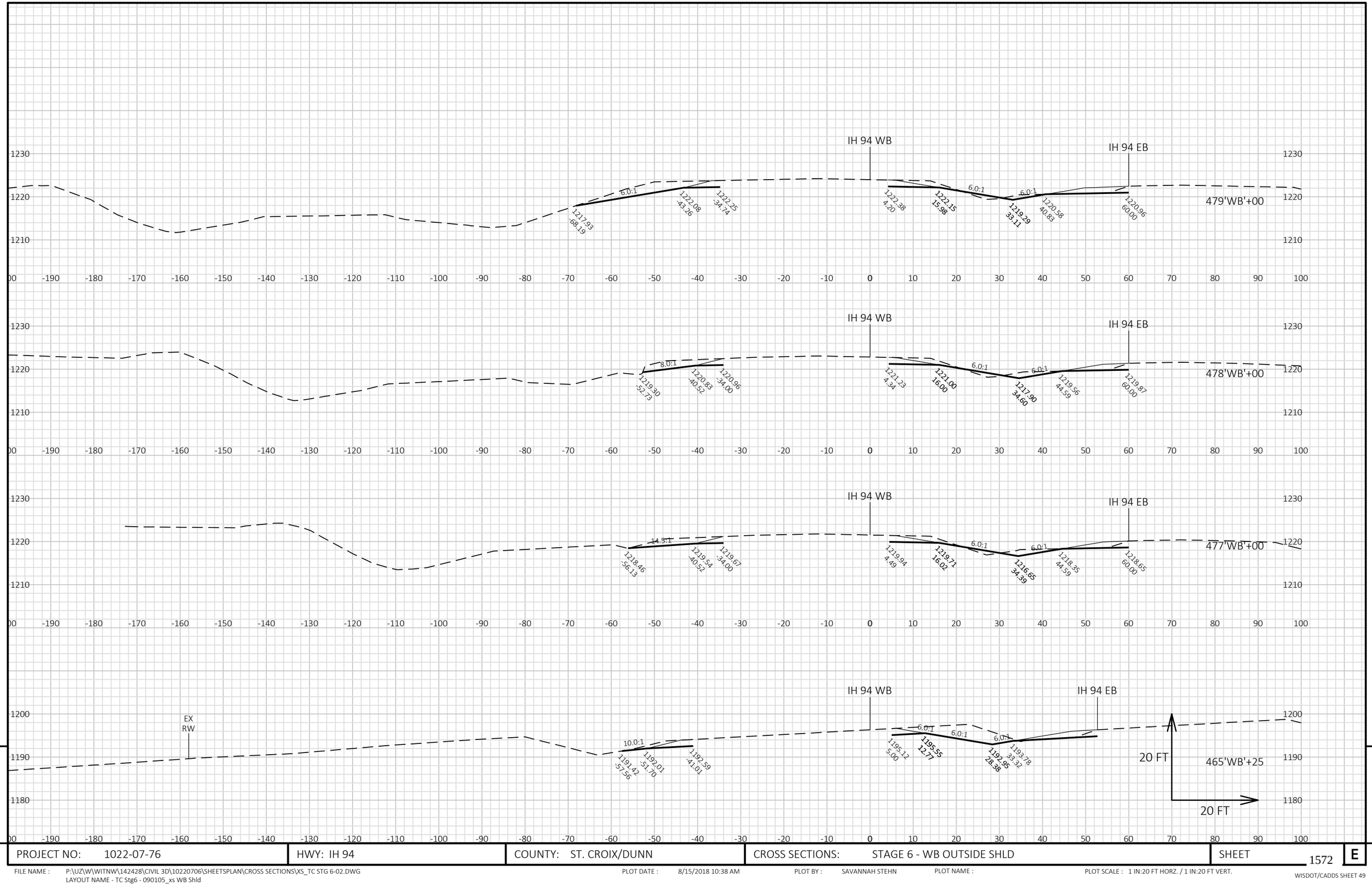
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 6 - WB OUTSIDE SHLD	SHEET 1571	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090104_xs WB Shld

PLOT DATE : 8/15/2018 10:38 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



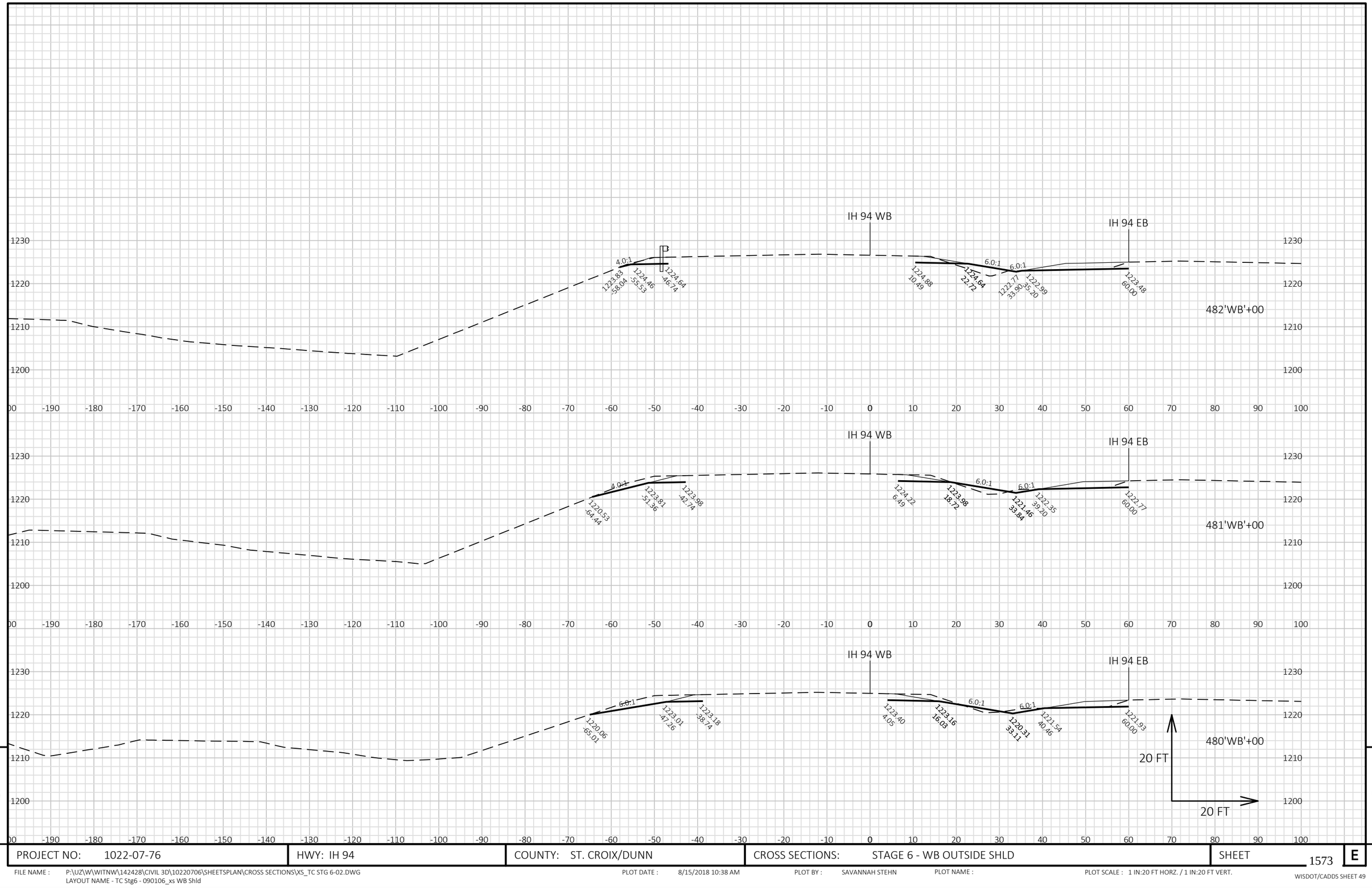
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 6 - WB OUTSIDE SHLD	SHEET 1572	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090105_xs WB Shld

PLOT DATE : 8/15/2018 10:38 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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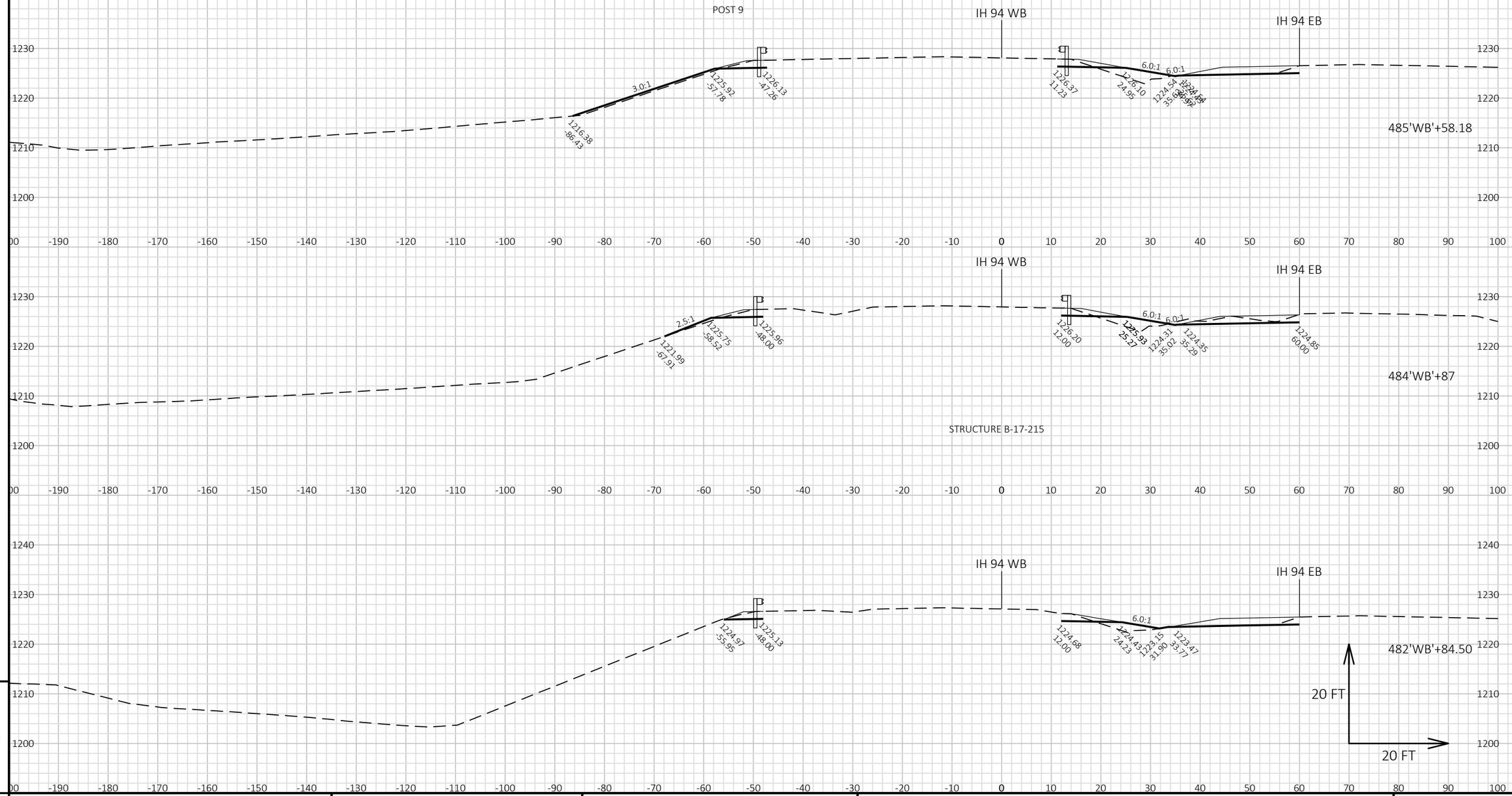
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 6 - WB OUTSIDE SHLD	SHEET 1573 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090106_xs WB Shld

PLOT DATE : 8/15/2018 10:38 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



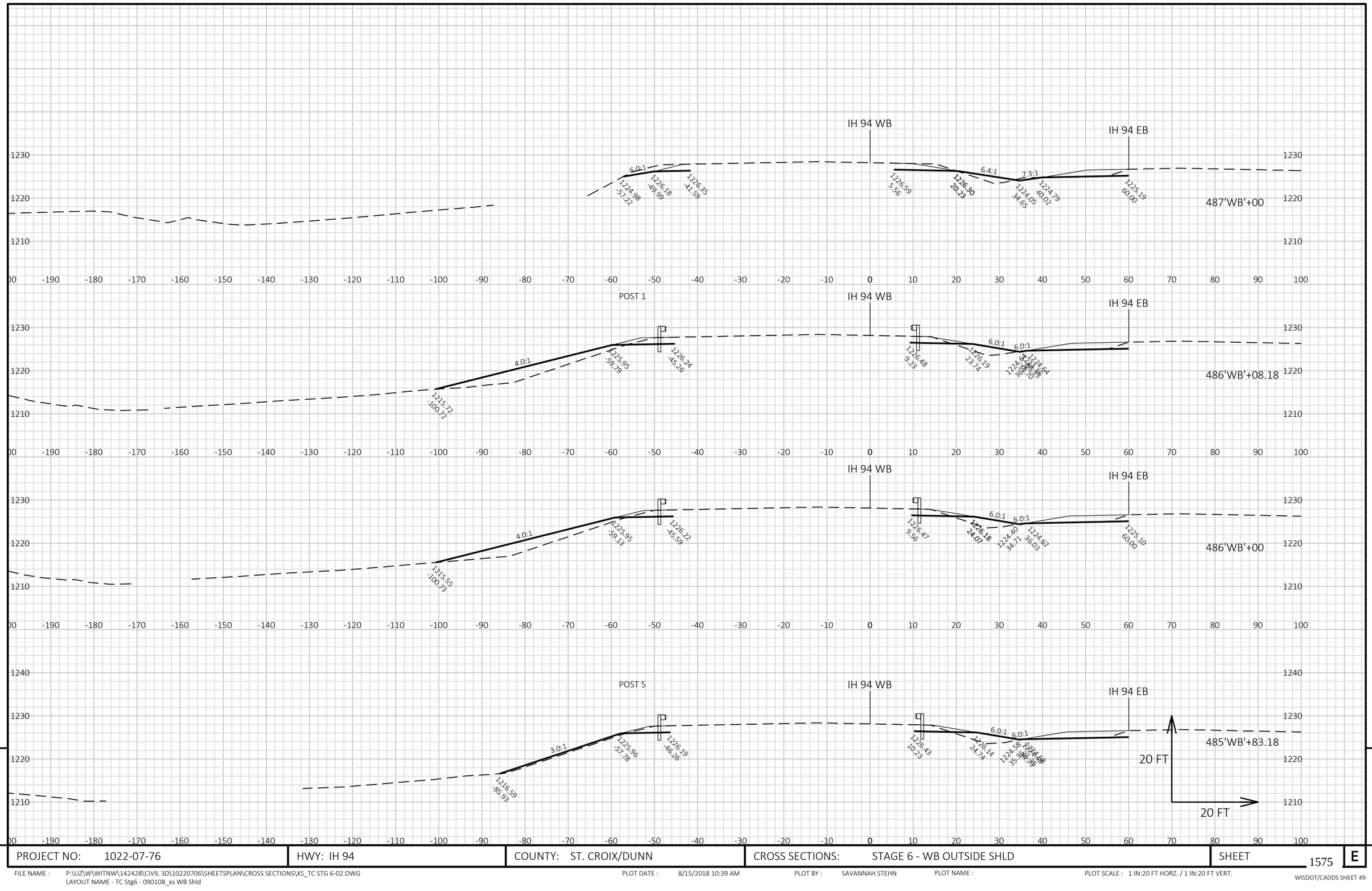
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 6 - WB OUTSIDE SHLD	SHEET 1574	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090107_xs WB Shld

PLOT DATE : 8/15/2018 10:39 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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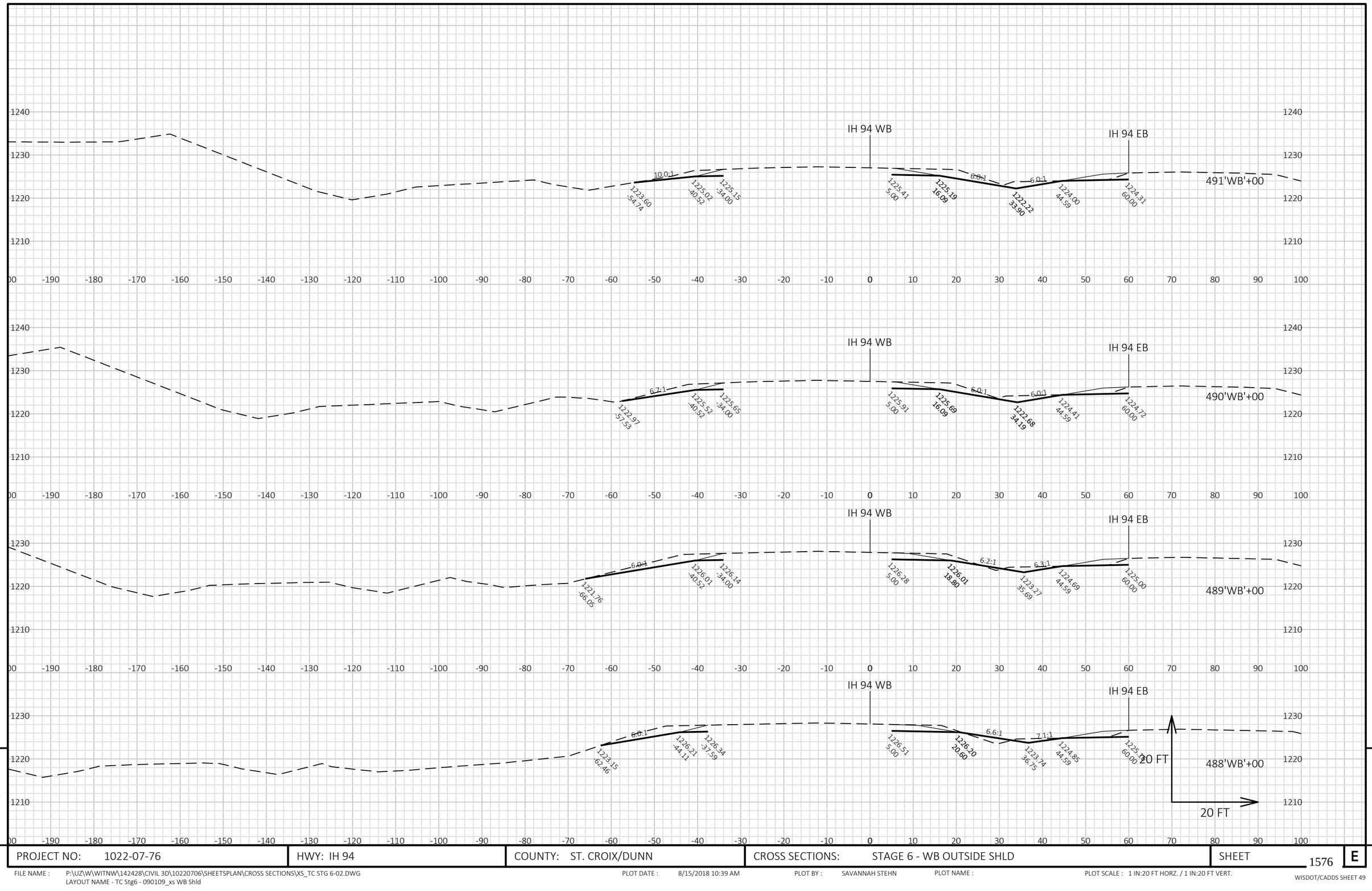
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 6 - WB OUTSIDE SHLD	SHEET 1575	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090108_xs WB Shld

PLOT DATE : 8/15/2018 10:39 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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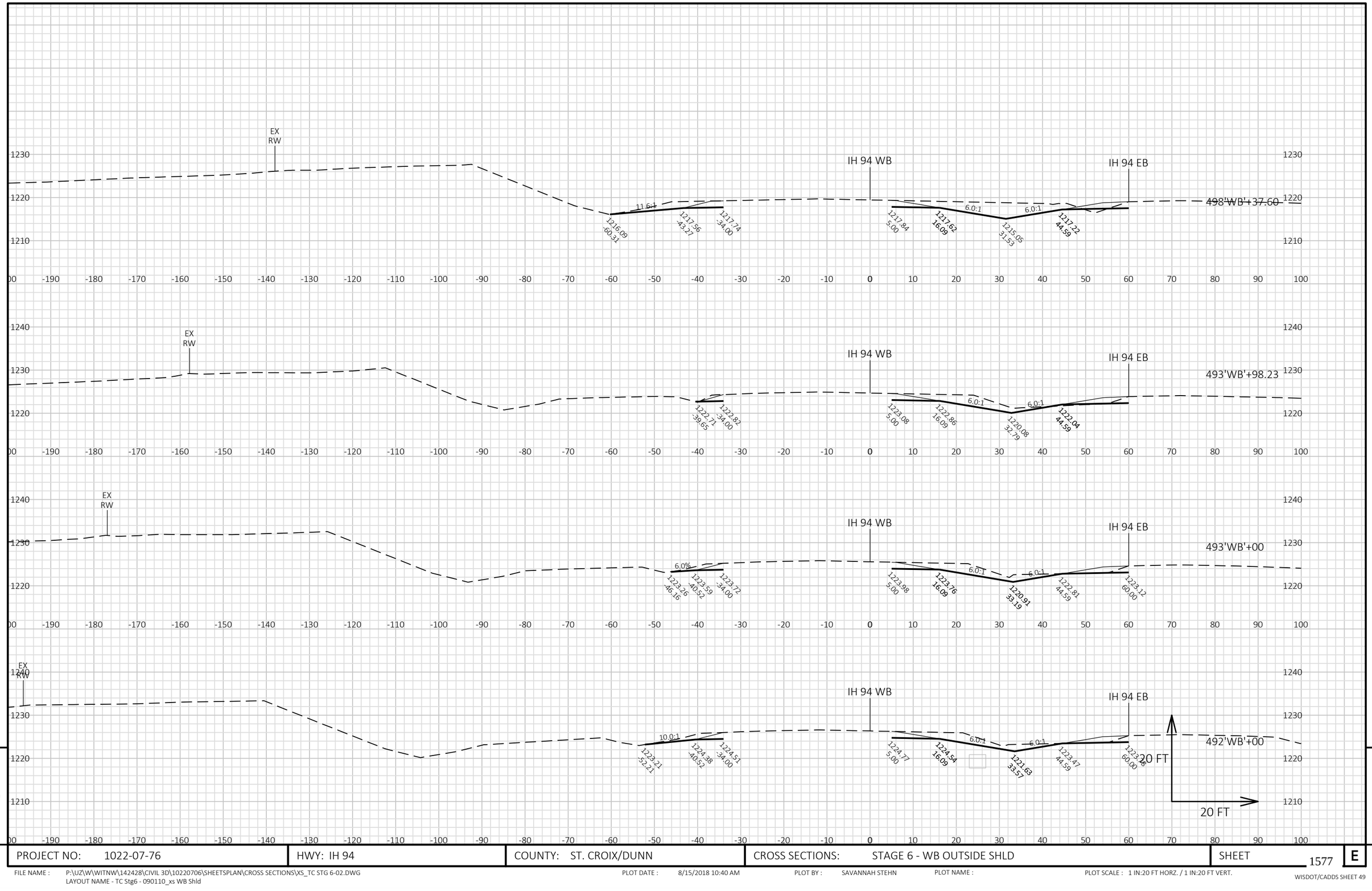
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 6 - WB OUTSIDE SHLD	SHEET 1576	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090109_xs WB Shld

PLOT DATE : 8/15/2018 10:39 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

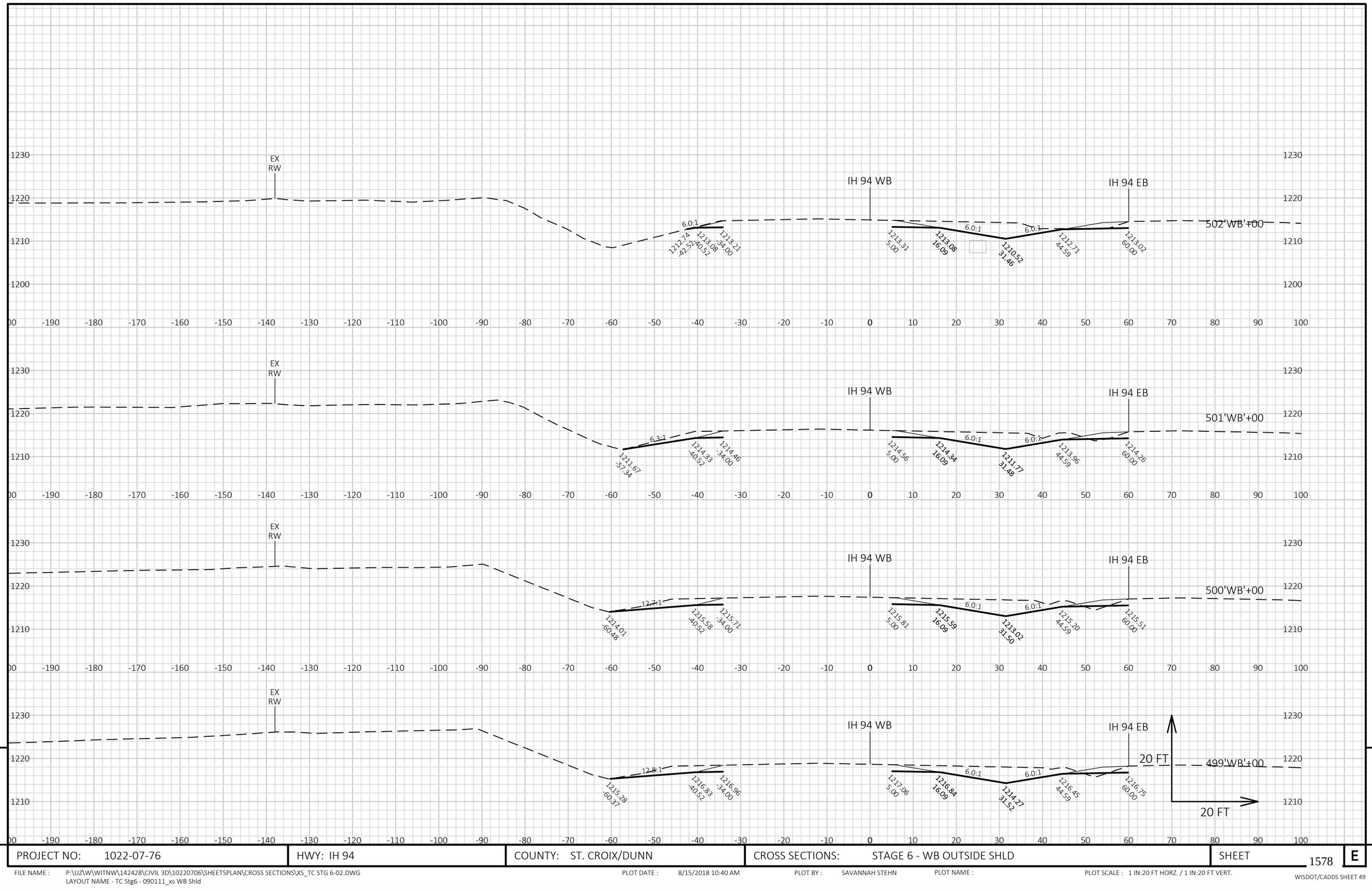


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 6 - WB OUTSIDE SHLD	SHEET 1577 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090110_xs WB Shld

PLOT DATE : 8/15/2018 10:40 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



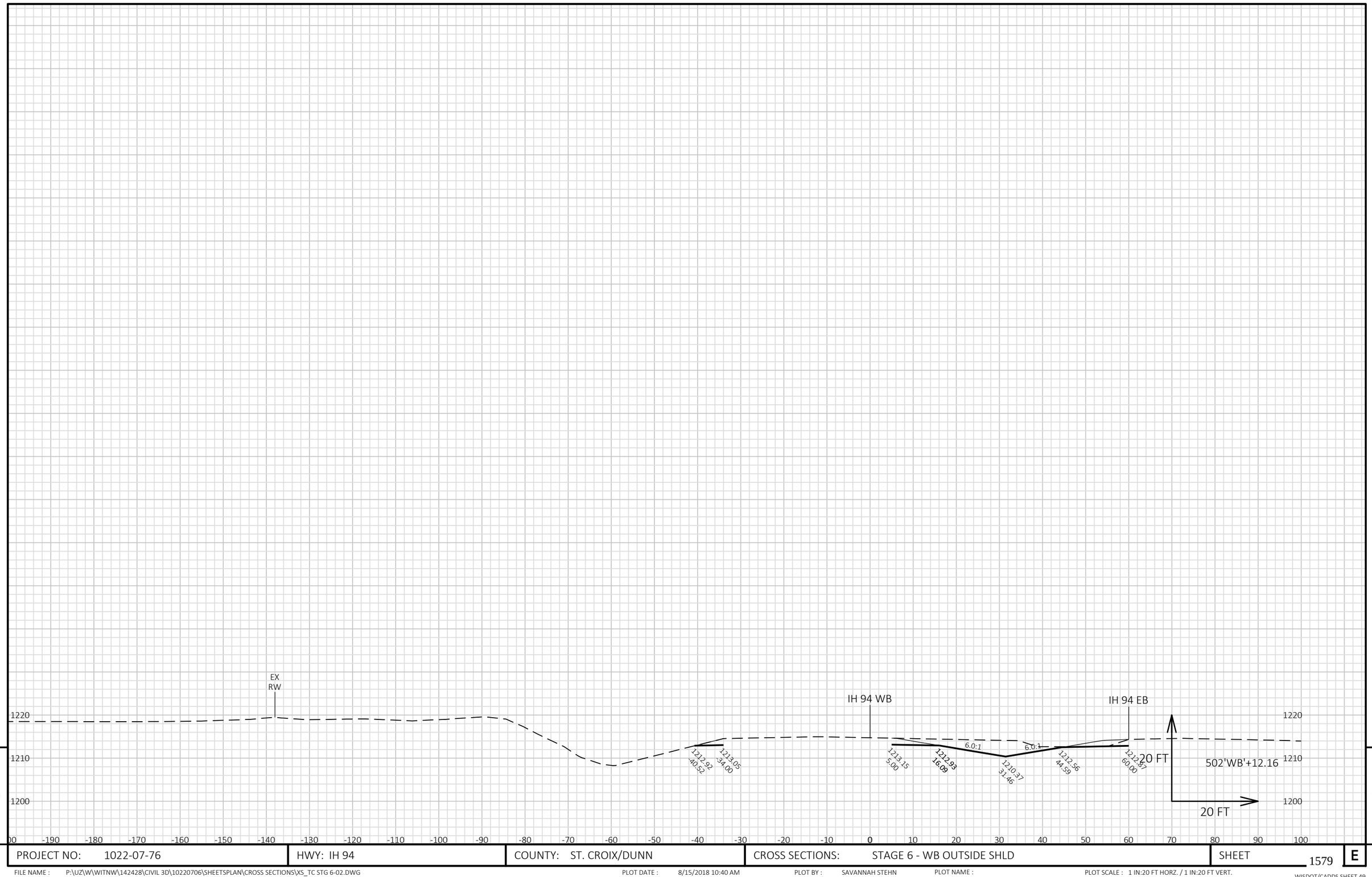
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 6 - WB OUTSIDE SHLD	SHEET 1578	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090111_xs WB Shld

PLOT DATE : 8/15/2018 10:40 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 6 - WB OUTSIDE SHLD	SHEET 1579	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090112_xs WB Shld

PLOT DATE : 8/15/2018 10:40 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

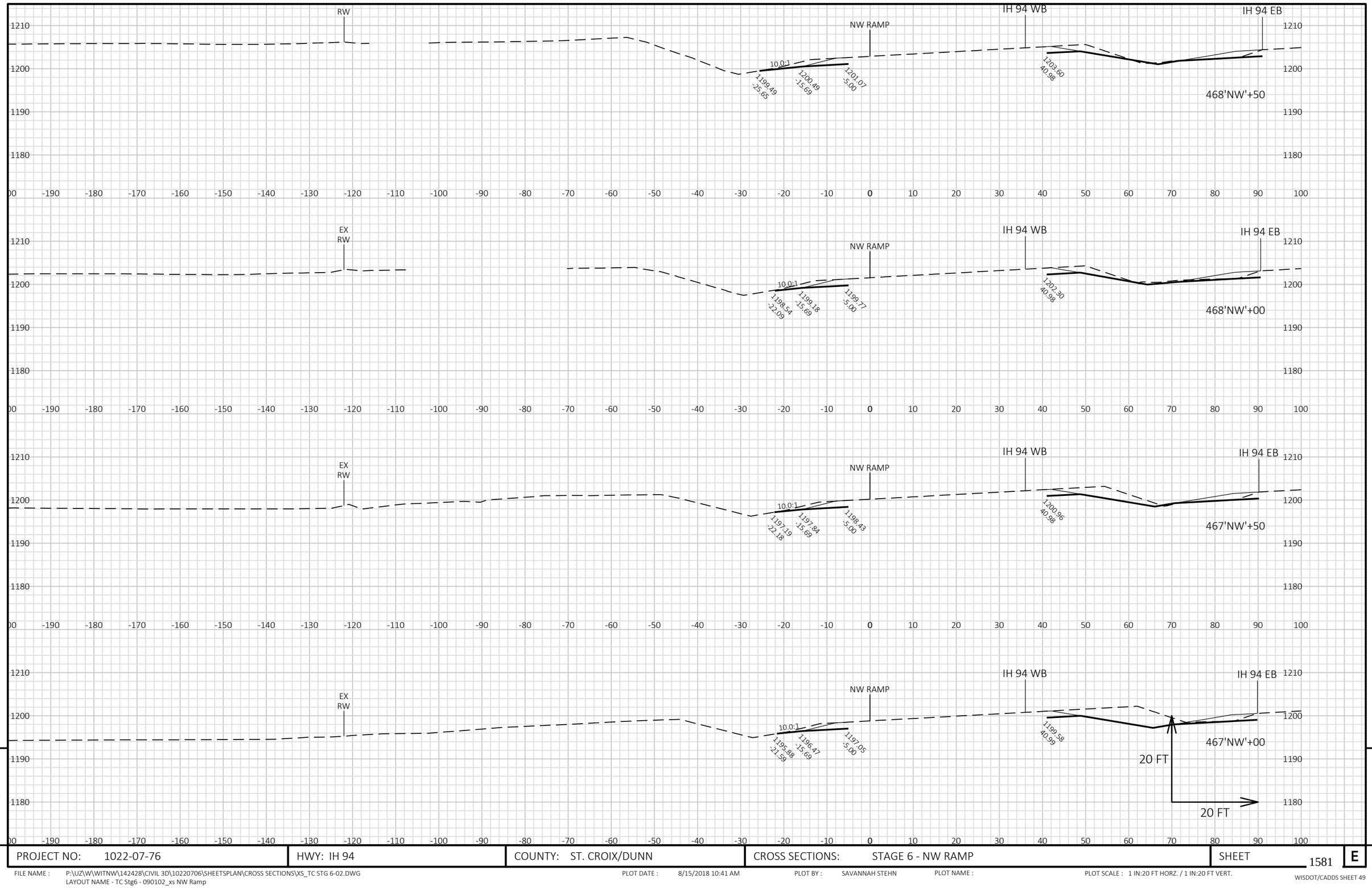
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9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 6 - NW RAMP	SHEET 1580	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090101_xs NW Ramp

PLOT DATE : 8/15/2018 10:41 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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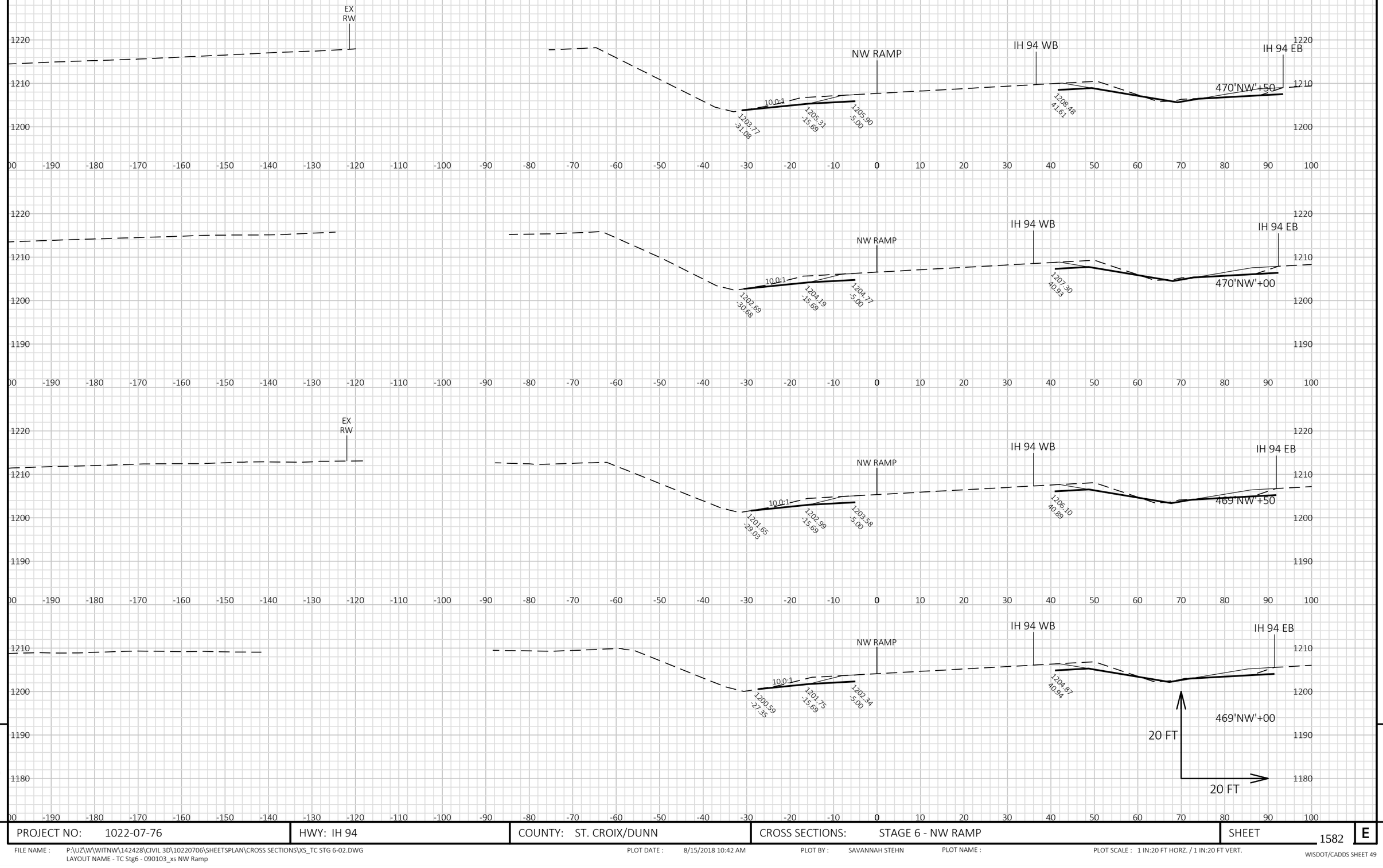
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 6 - NW RAMP	SHEET 1581	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090102_xs NW Ramp

PLOT DATE : 8/15/2018 10:41 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



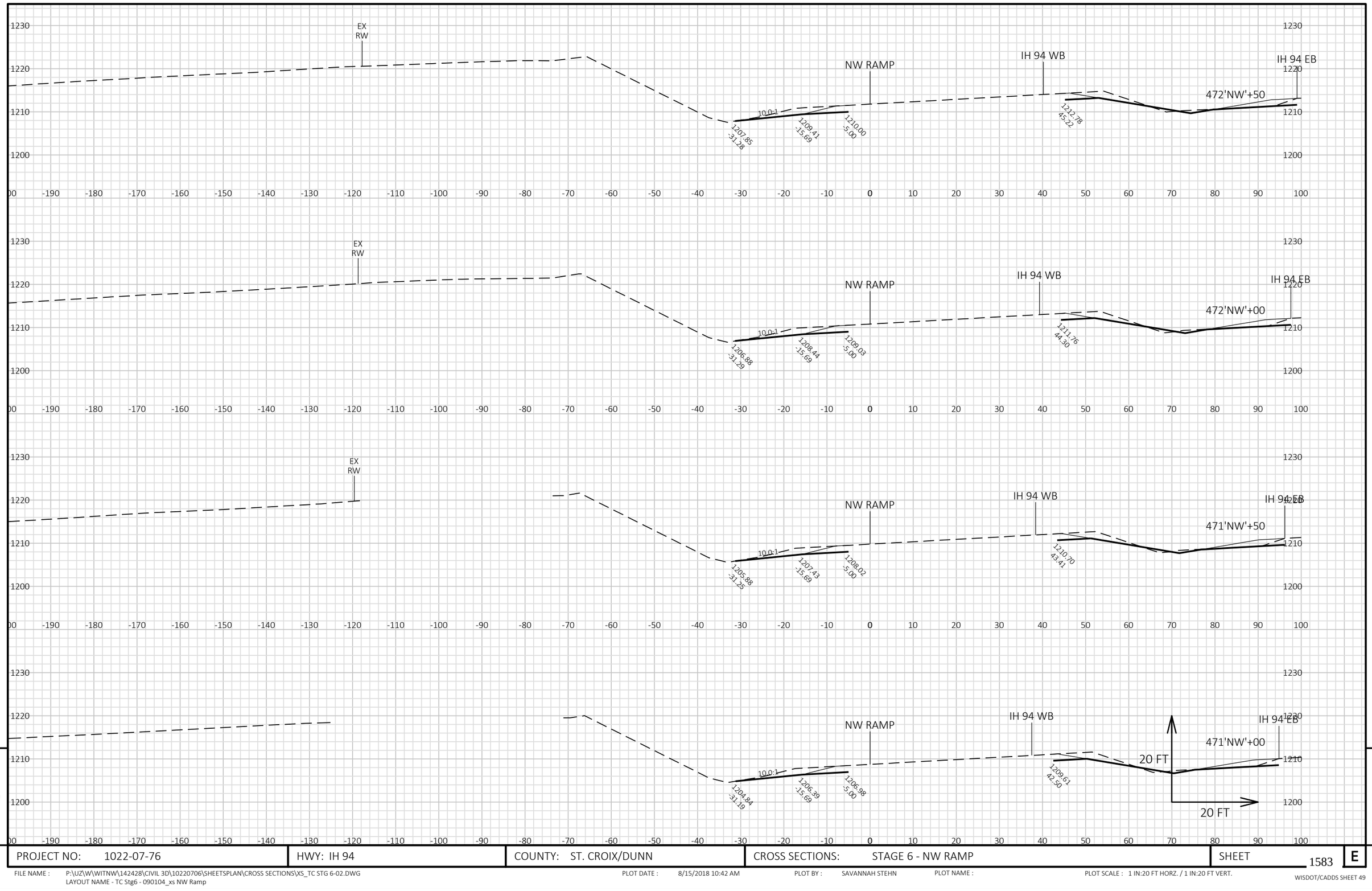
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 6 - NW RAMP	SHEET 1582	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090103_xs NW Ramp

PLOT DATE : 8/15/2018 10:42 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

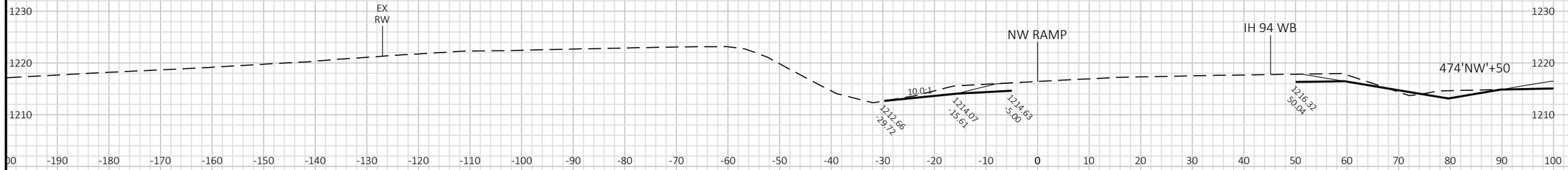


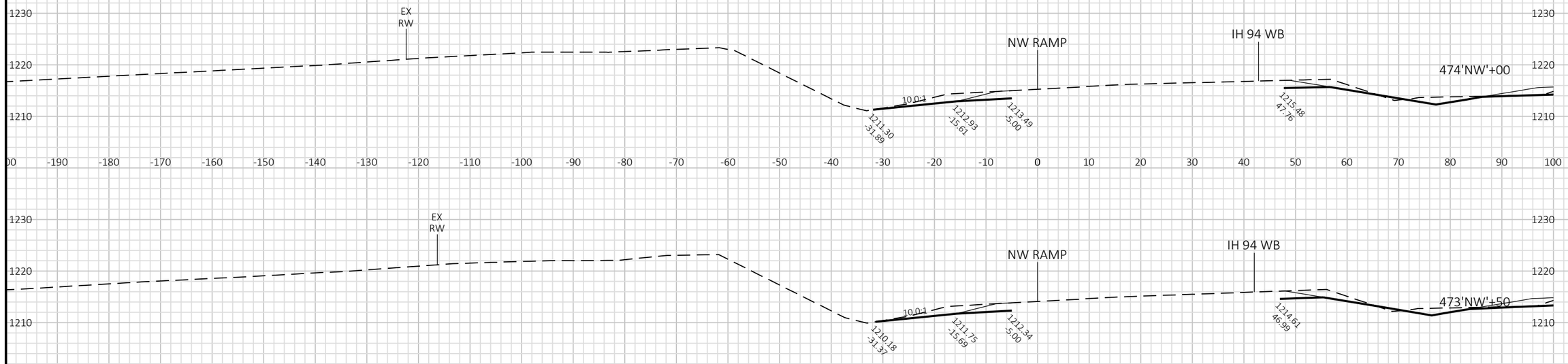
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 6 - NW RAMP	SHEET 1583 E

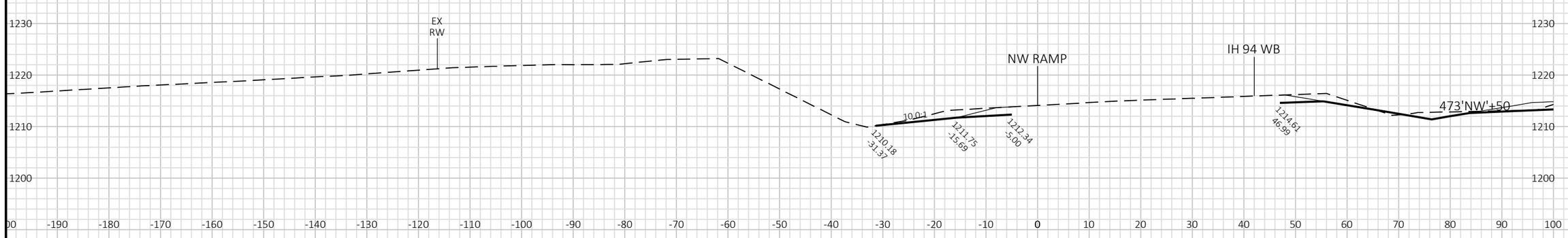
FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090104_xs NW Ramp

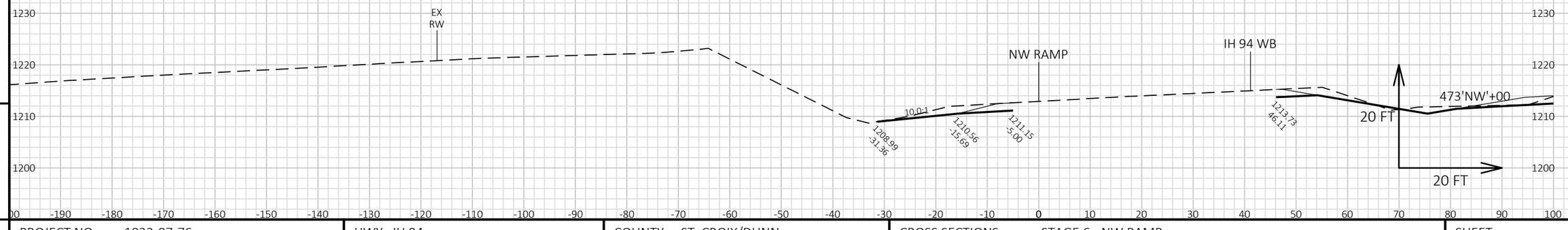
PLOT DATE : 8/15/2018 10:42 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49









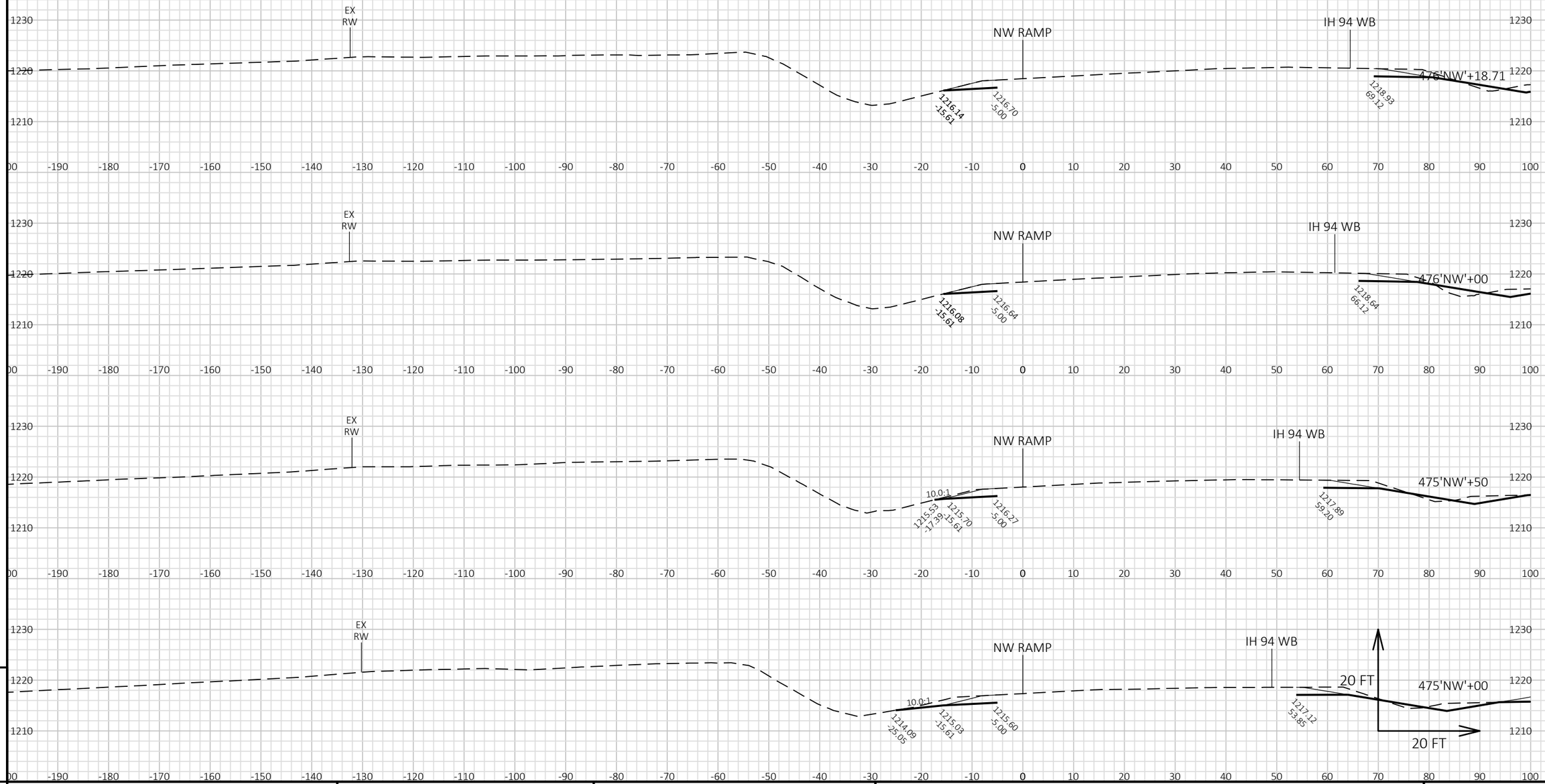
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 6 - NW RAMP	SHEET 1584	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090105_xs NW Ramp

PLOT DATE : 8/15/2018 10:42 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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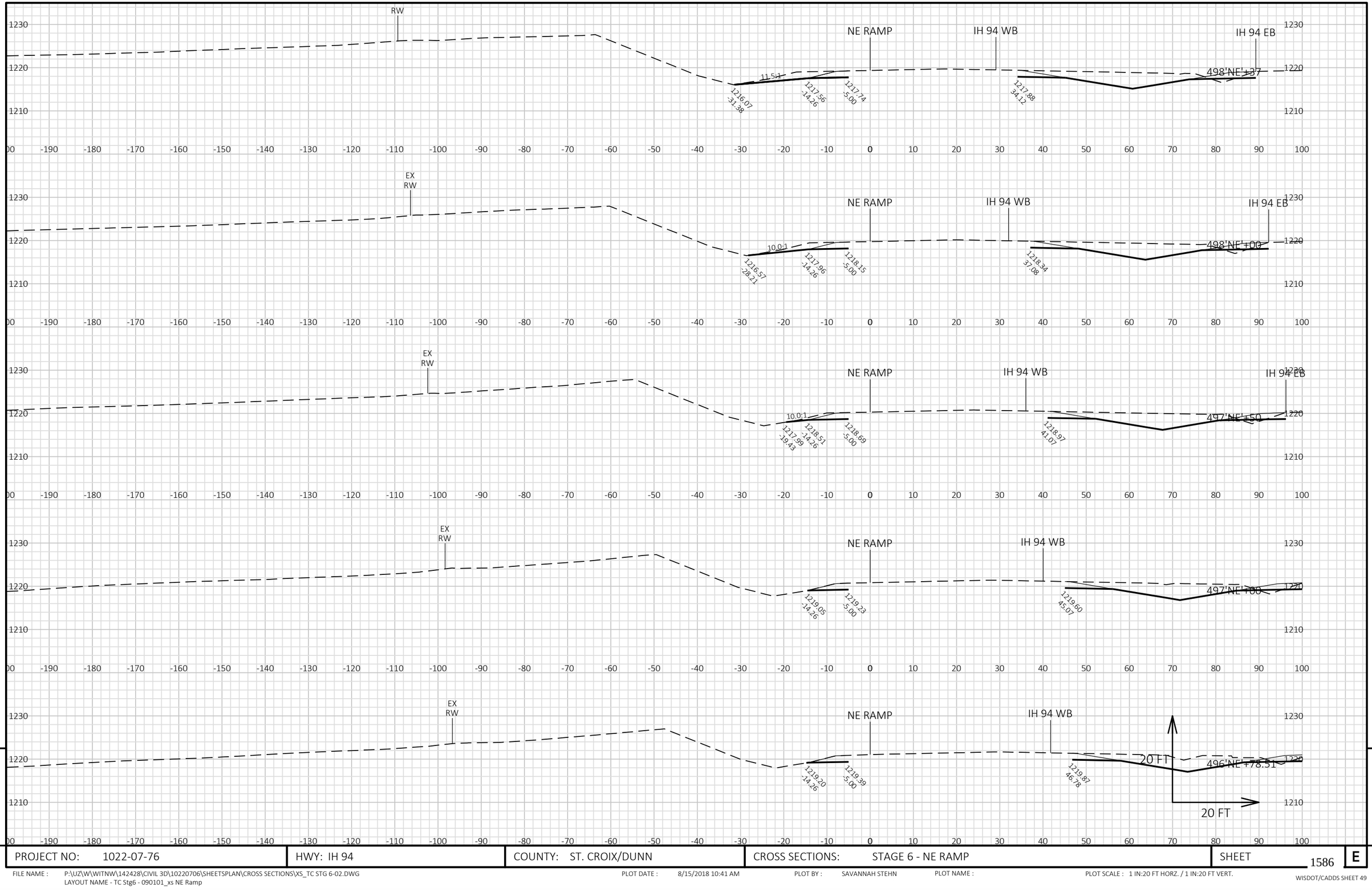
9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 6 - NW RAMP	SHEET 1585	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090106_xs NW Ramp

PLOT DATE : 8/15/2018 10:43 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



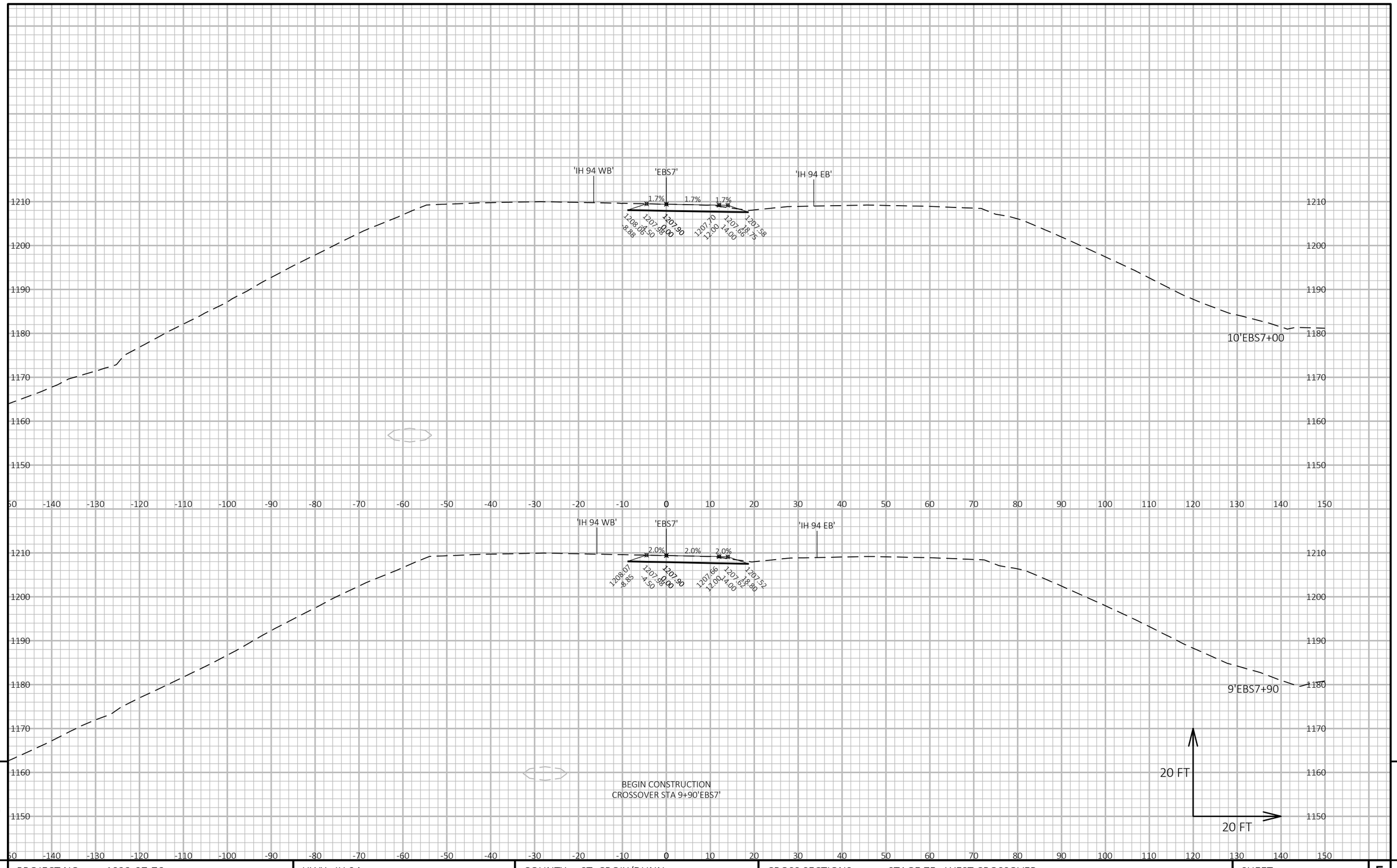
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9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 6 - NE RAMP	SHEET 1586 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 6-02.DWG
LAYOUT NAME - TC Stg6 - 090101_xs NE Ramp

PLOT DATE : 8/15/2018 10:41 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

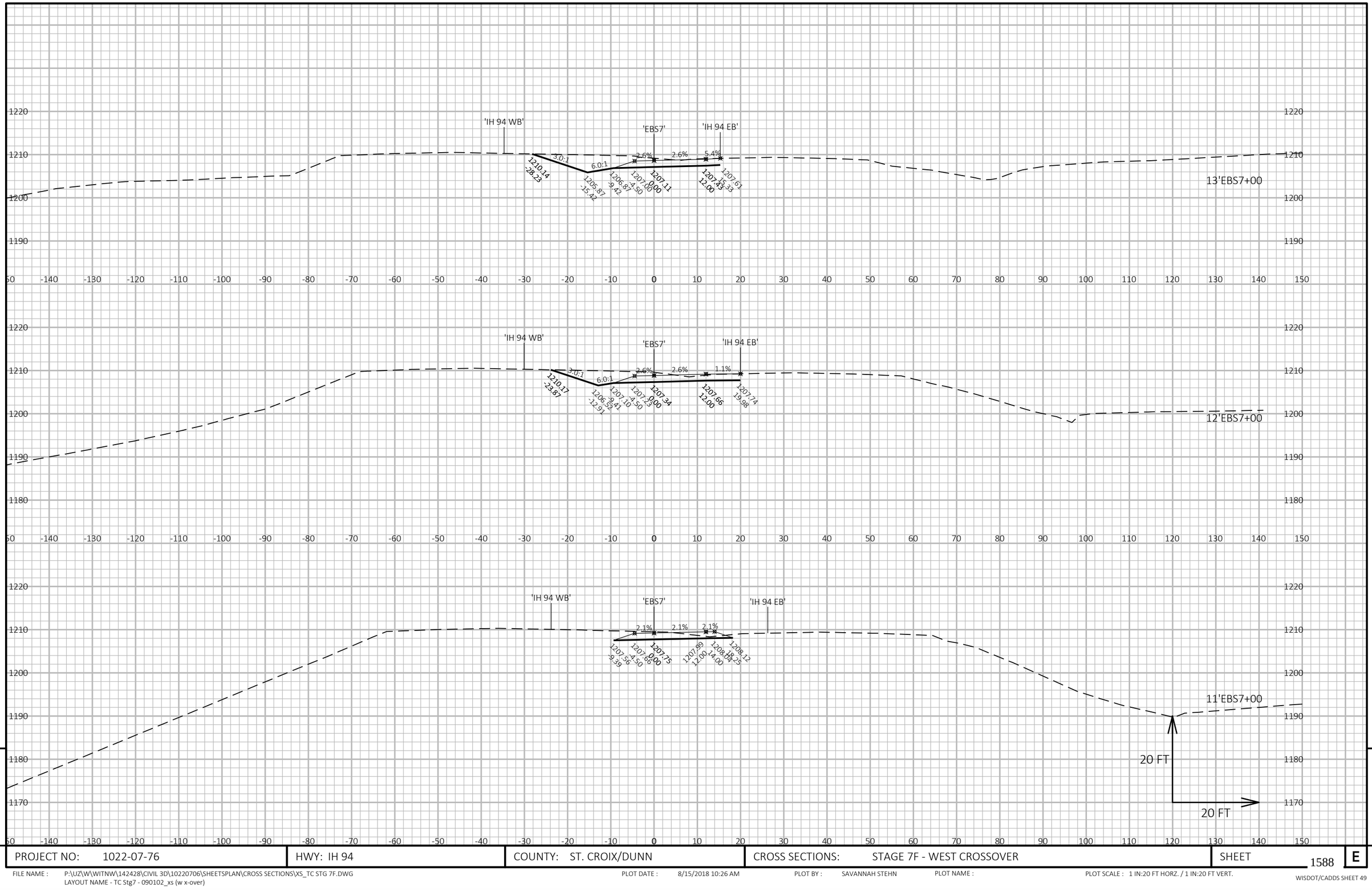


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - WEST CROSSOVER	SHEET 1587 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090101_xs (w x-over)

PLOT DATE : 8/15/2018 10:25 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - WEST CROSSOVER	SHEET 1588	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090102_xs (w x-over)

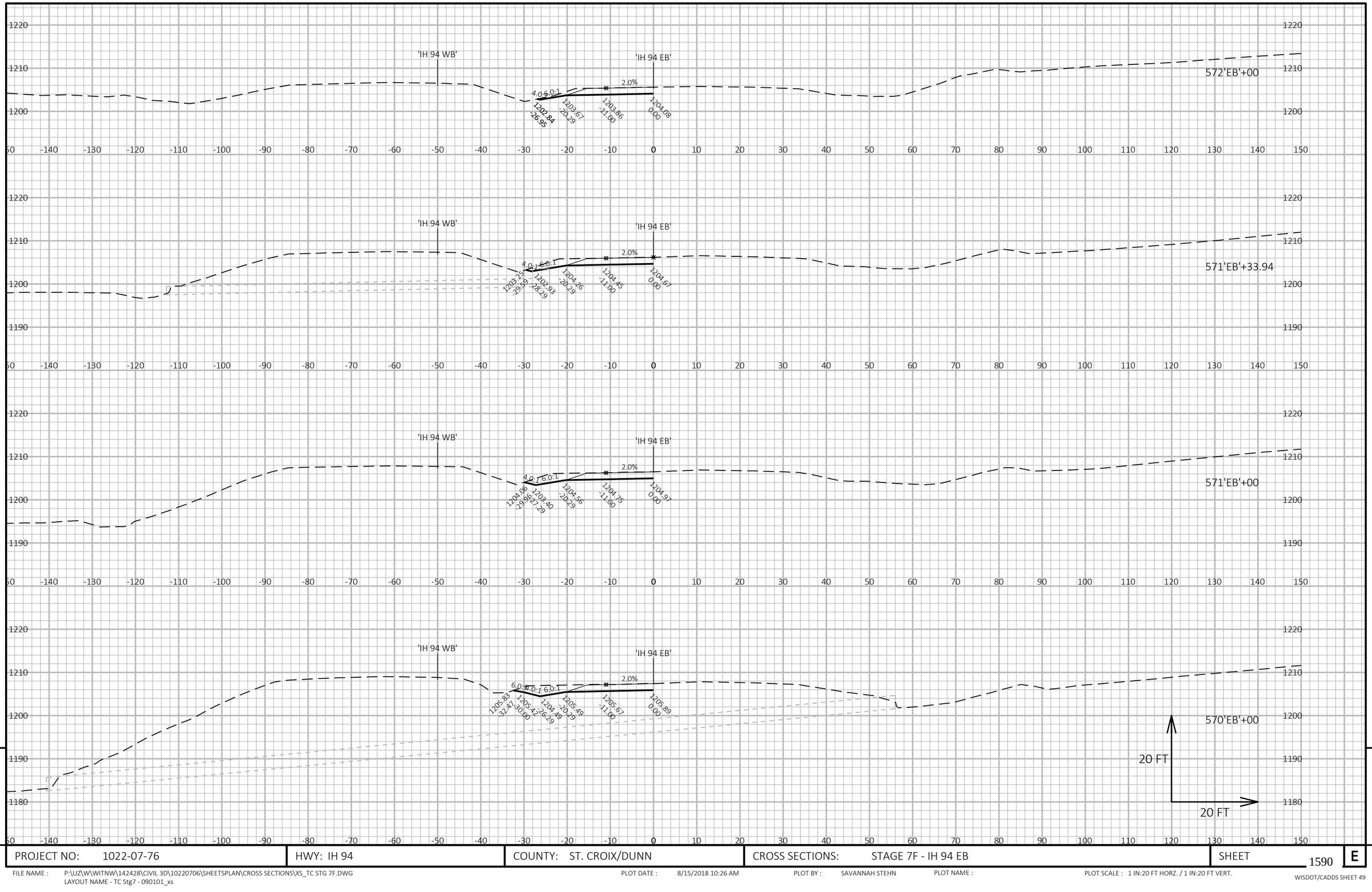
PLOT DATE : 8/15/2018 10:26 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

END CONSTRUCTION
CROSSOVER STA 15+25'EBS7'

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - WEST CROSSOVER	SHEET 1589	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090103_xs (w x-over)
PLOT DATE : 8/15/2018 10:26 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

9



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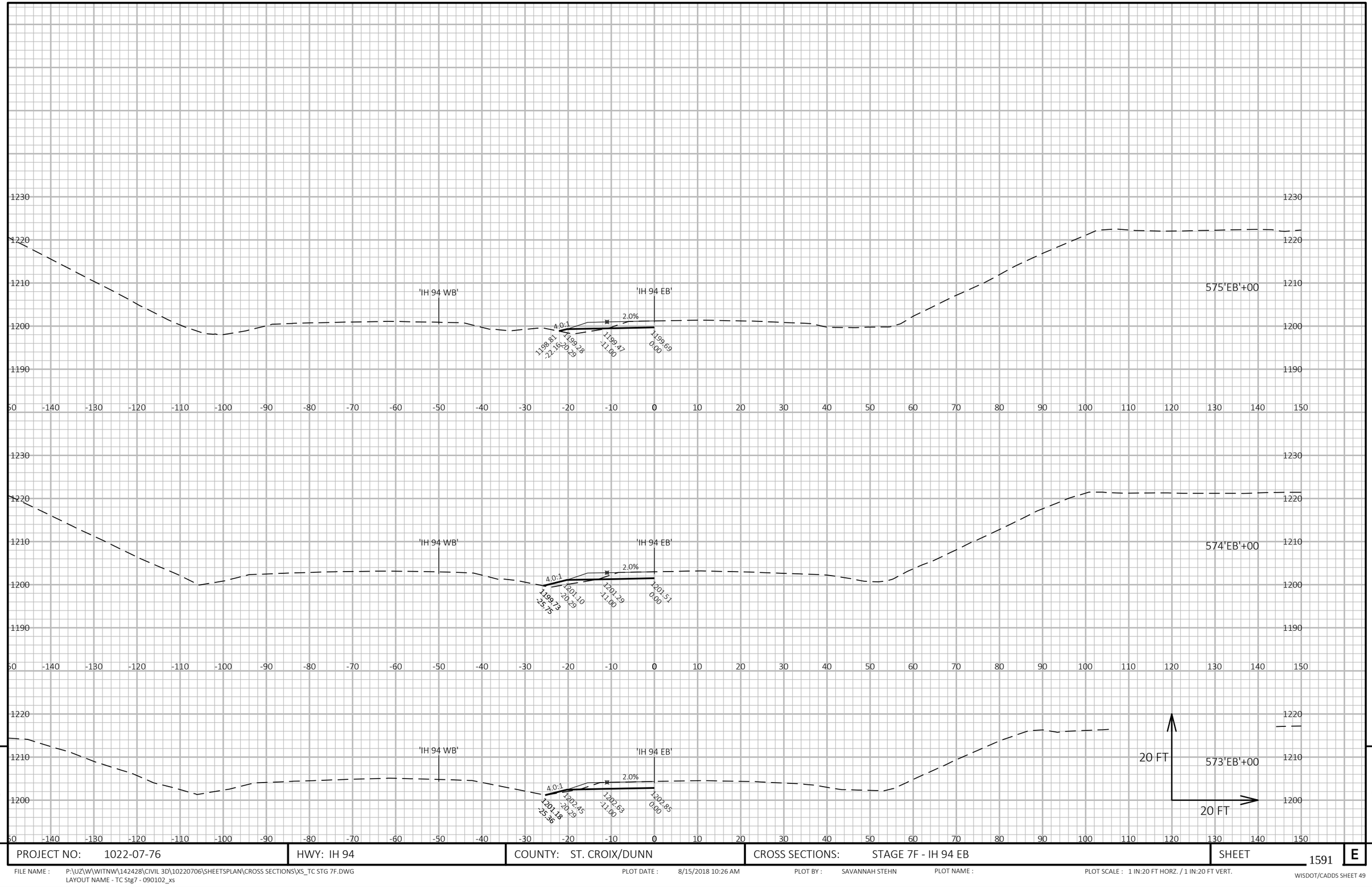
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1590	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090101_xs

PLOT DATE : 8/15/2018 10:26 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

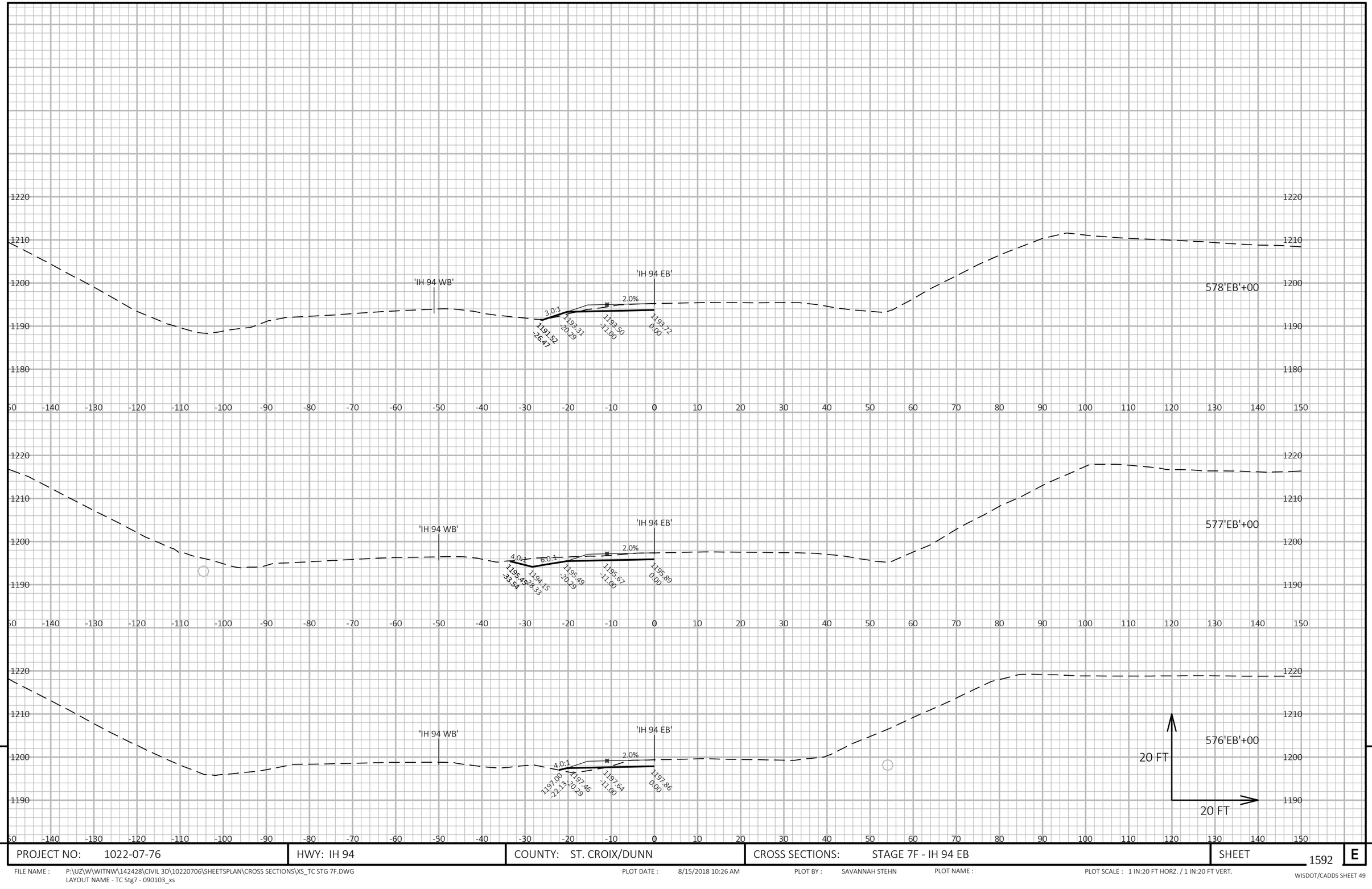
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1591	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090102_xs

PLOT DATE : 8/15/2018 10:26 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

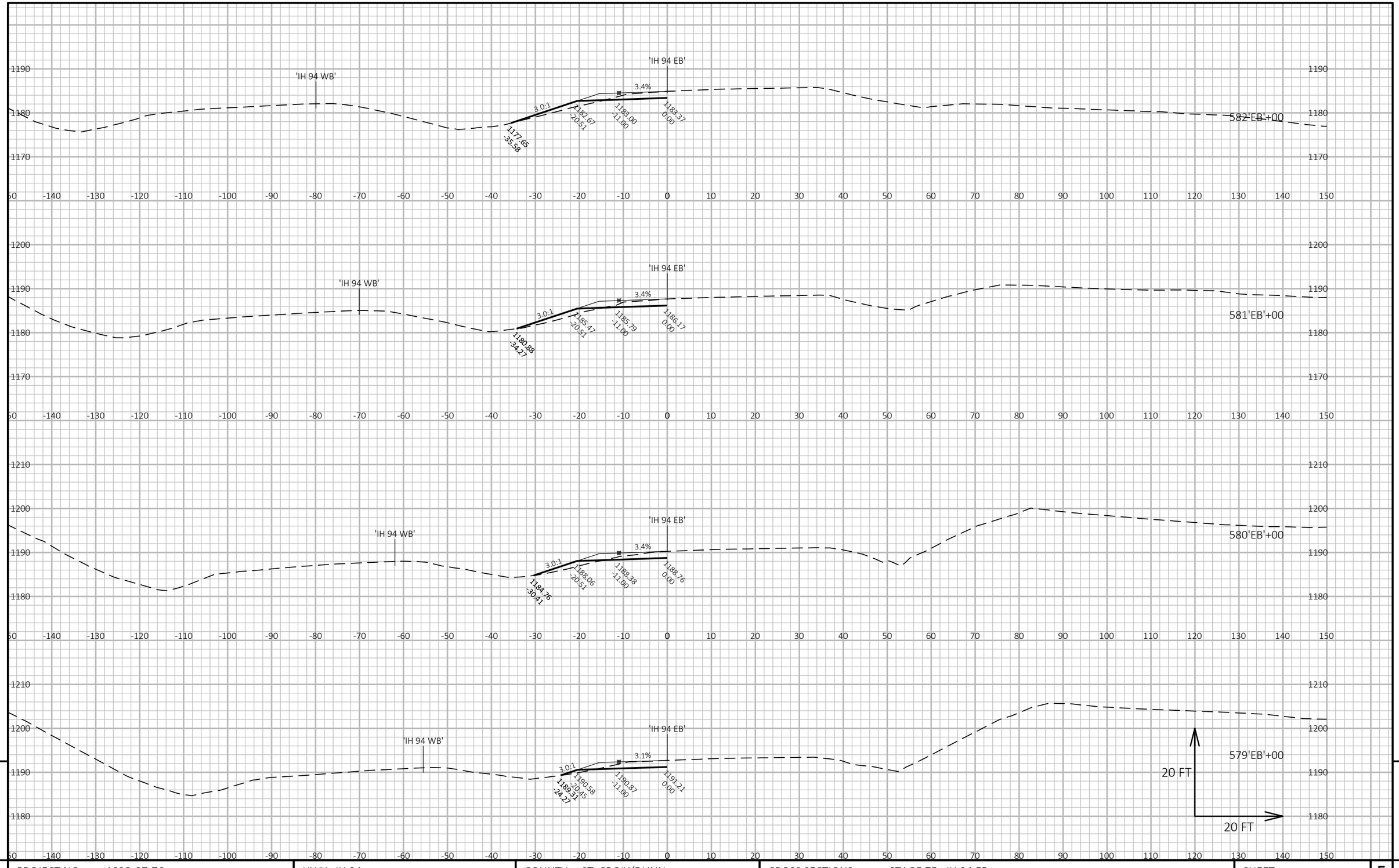


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1592	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090103_xs

PLOT DATE : 8/15/2018 10:26 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

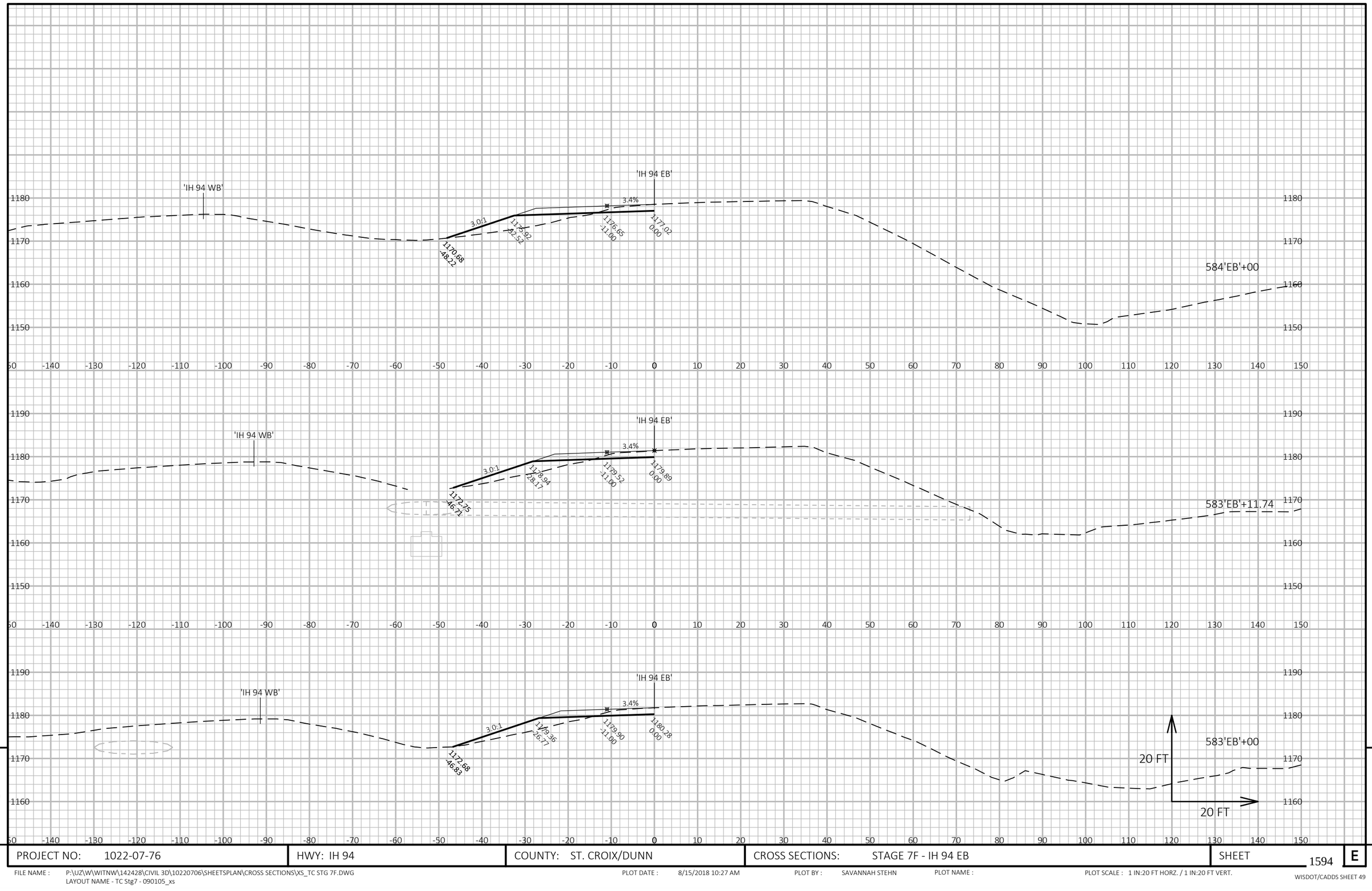


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1593	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090104_xs

PLOT DATE : 8/15/2018 10:26 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



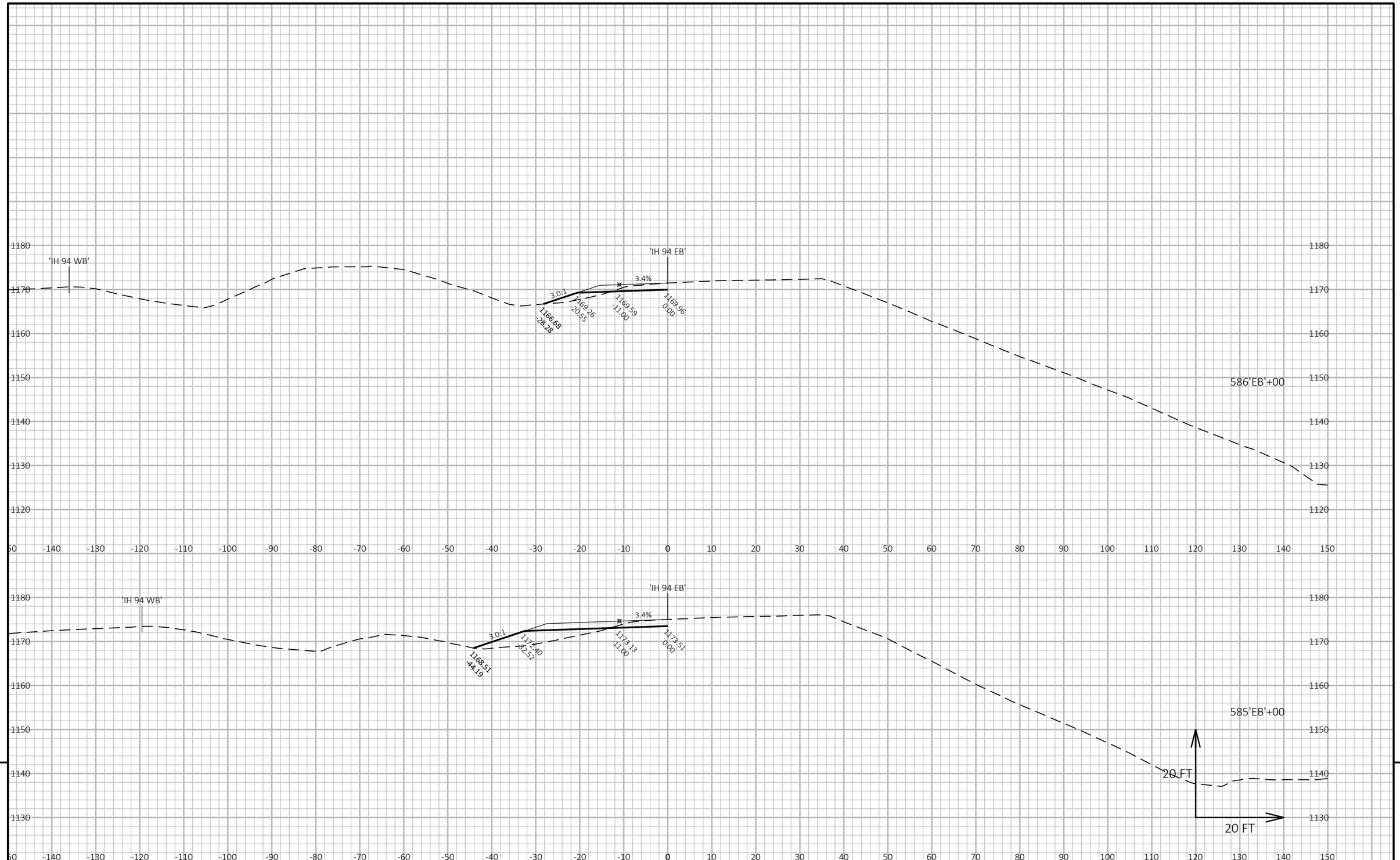
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1594	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090105_xs

PLOT DATE : 8/15/2018 10:27 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

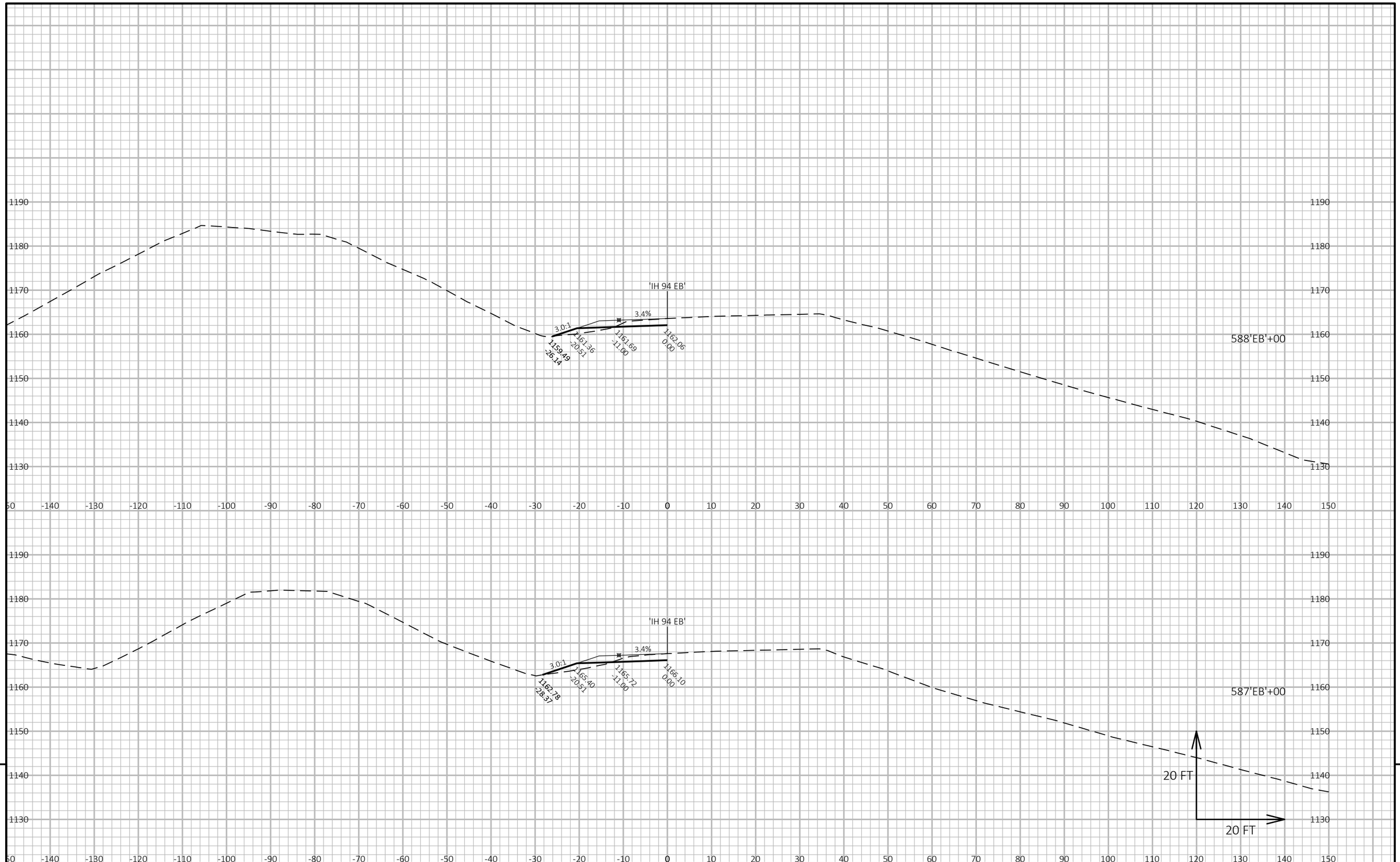
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1595	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090106_xs

PLOT DATE : 8/15/2018 10:27 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

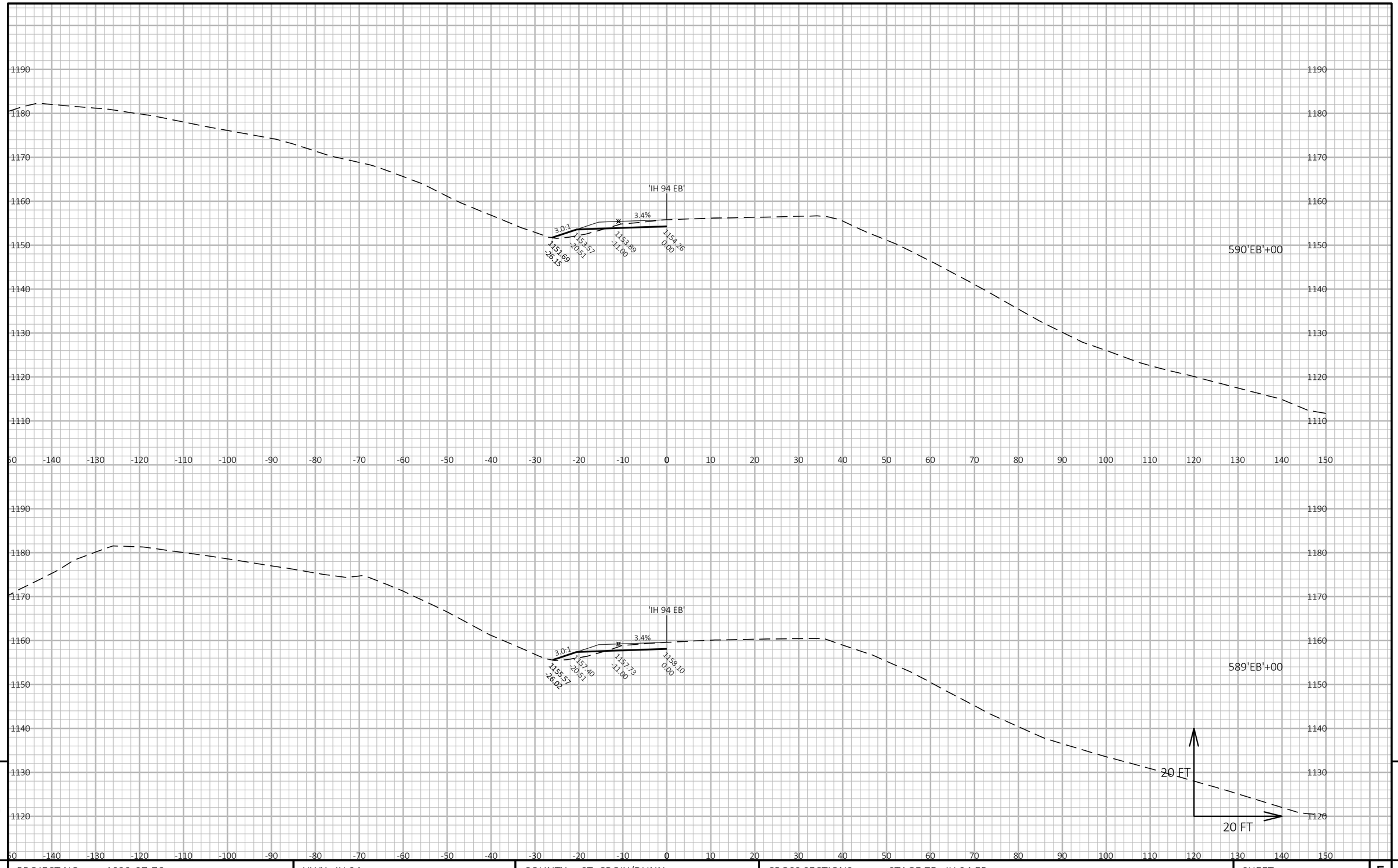


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1596 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090107_xs

PLOT DATE : 8/15/2018 10:27 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



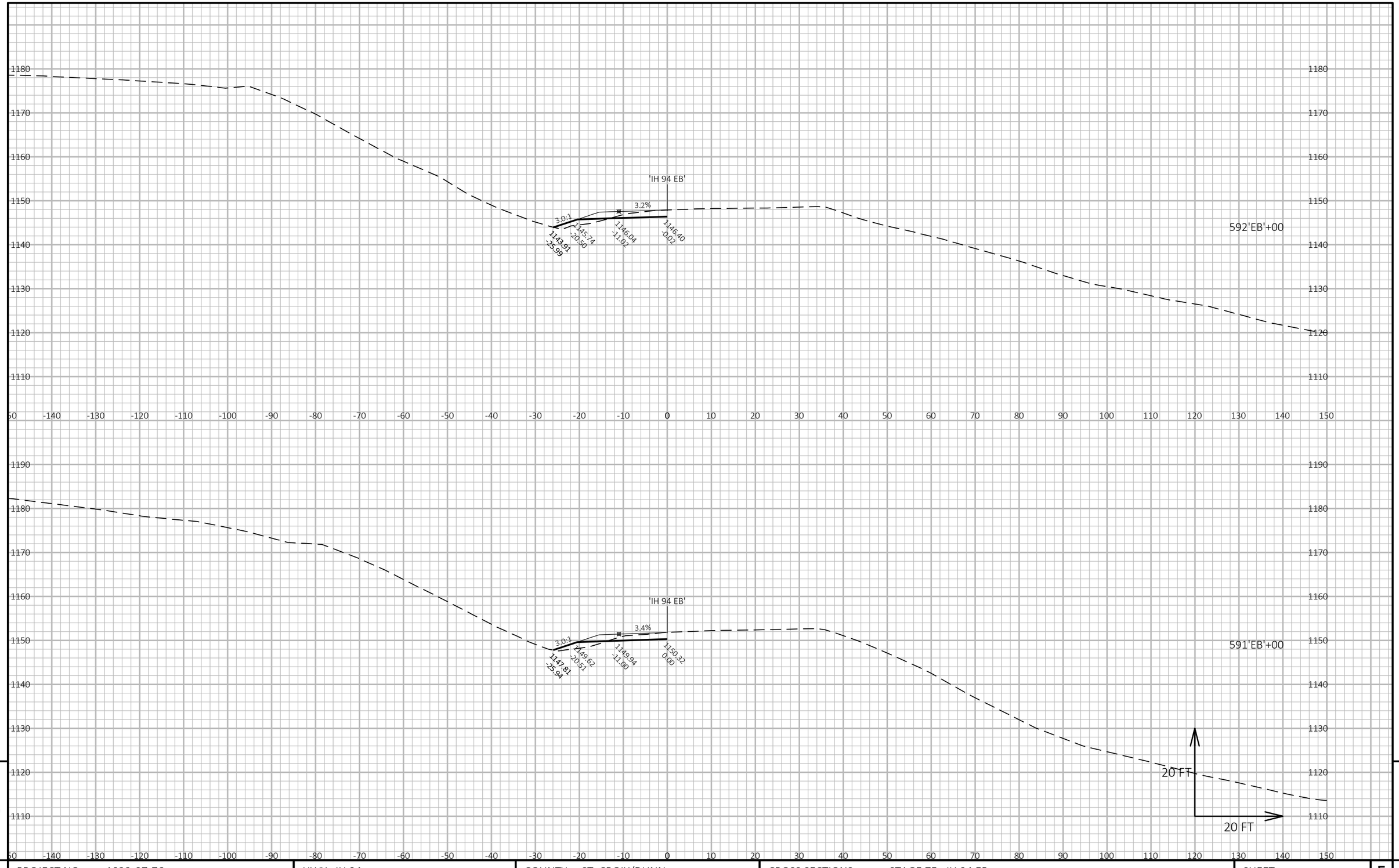
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9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1597	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090108_xs

PLOT DATE : 8/15/2018 10:27 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

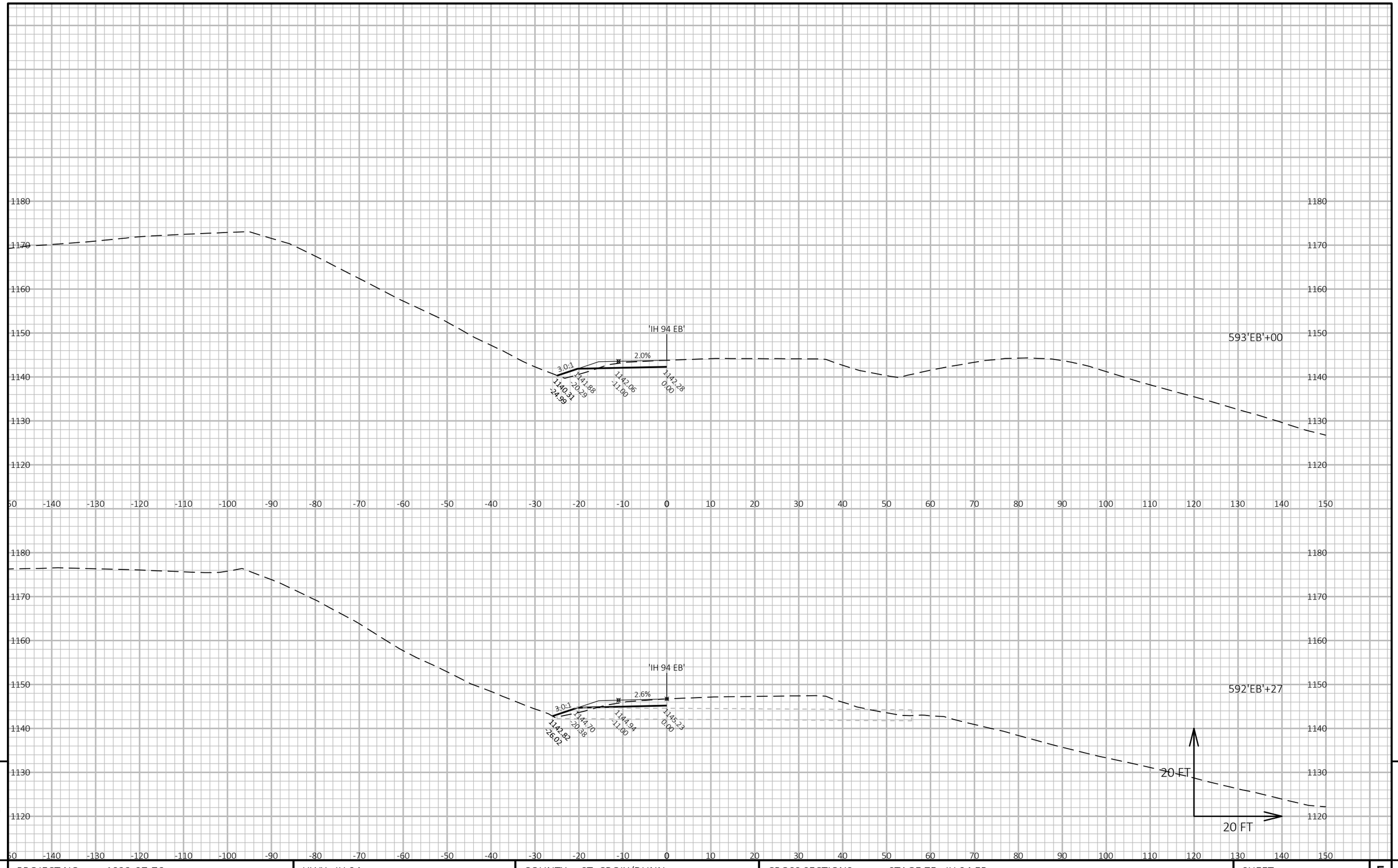


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1598	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090109_xs

PLOT DATE : 8/15/2018 10:28 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



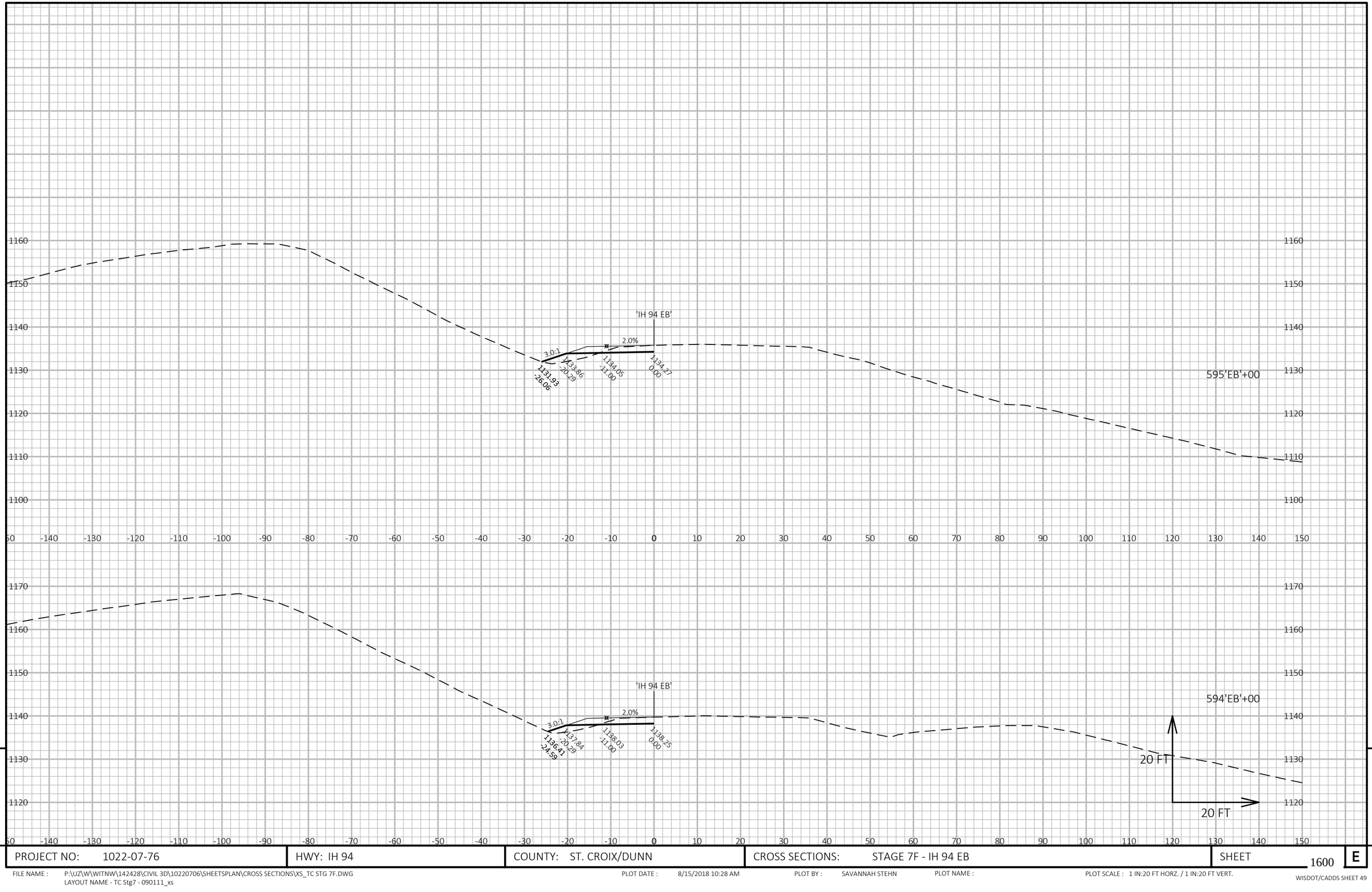
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9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1599	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090110_xs

PLOT DATE : 8/15/2018 10:28 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



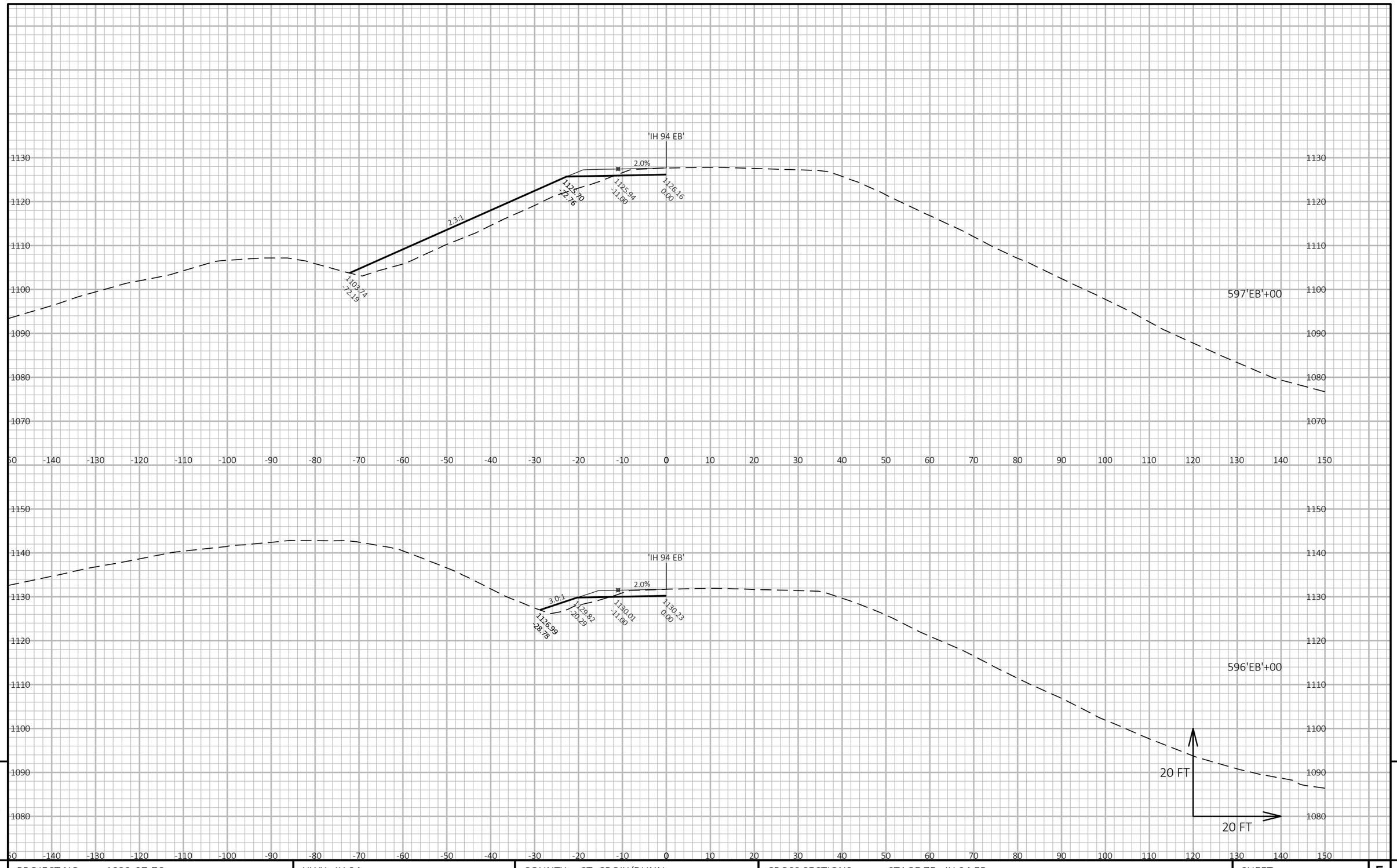
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9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1600	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090111_xs

PLOT DATE : 8/15/2018 10:28 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



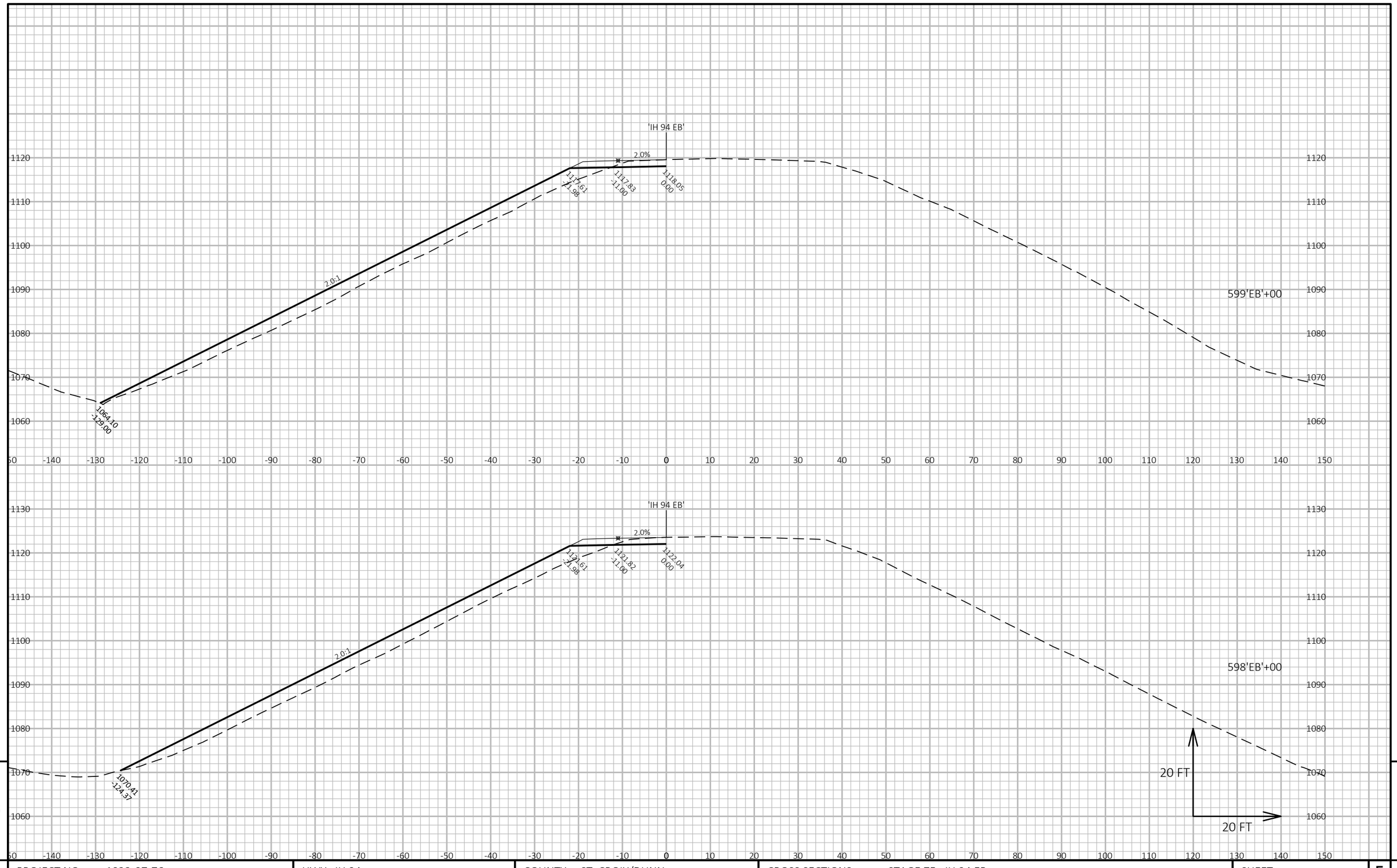
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1601	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090112_xs

PLOT DATE : 8/15/2018 10:28 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

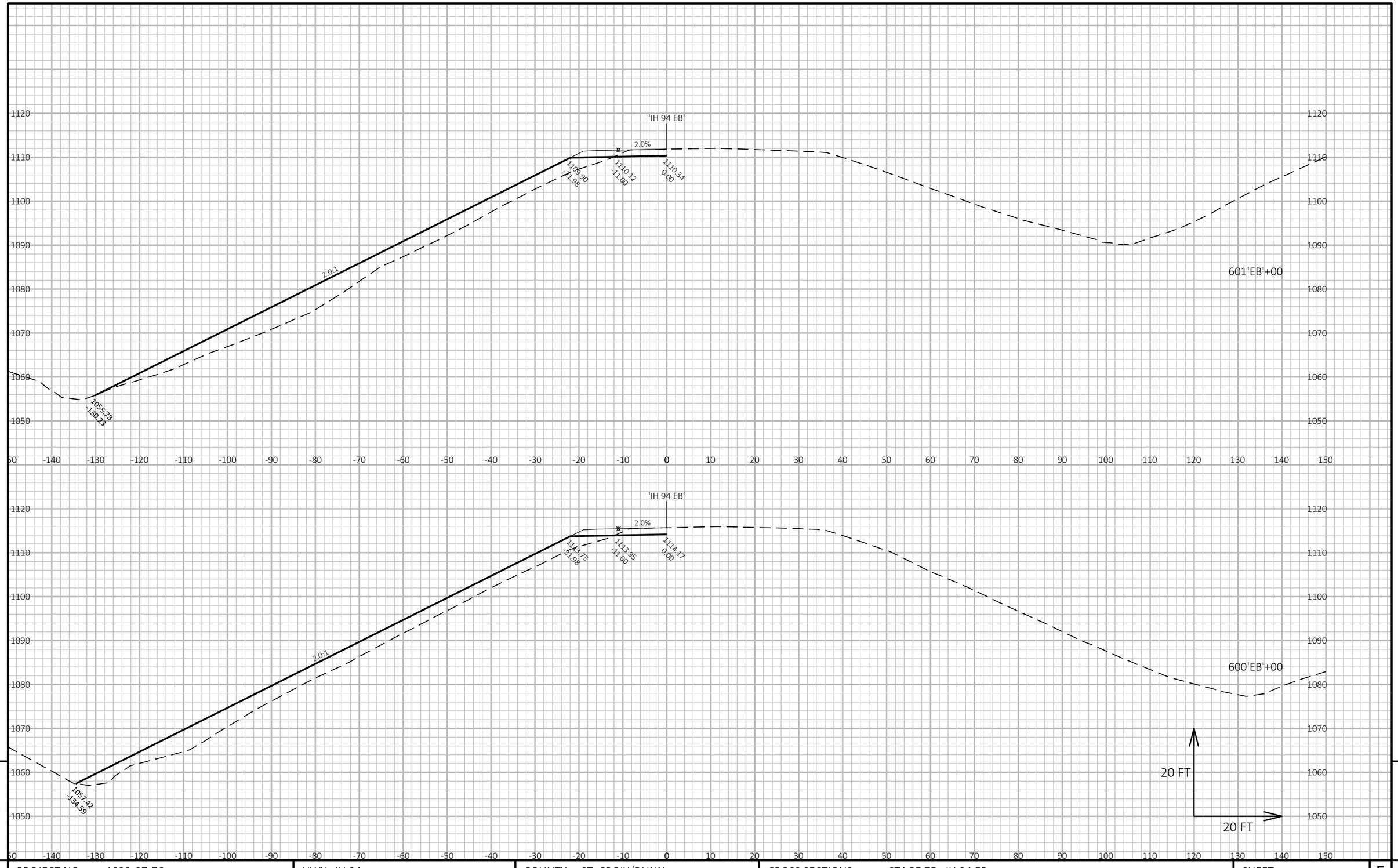


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1602	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090113_xs

PLOT DATE : 8/15/2018 10:28 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



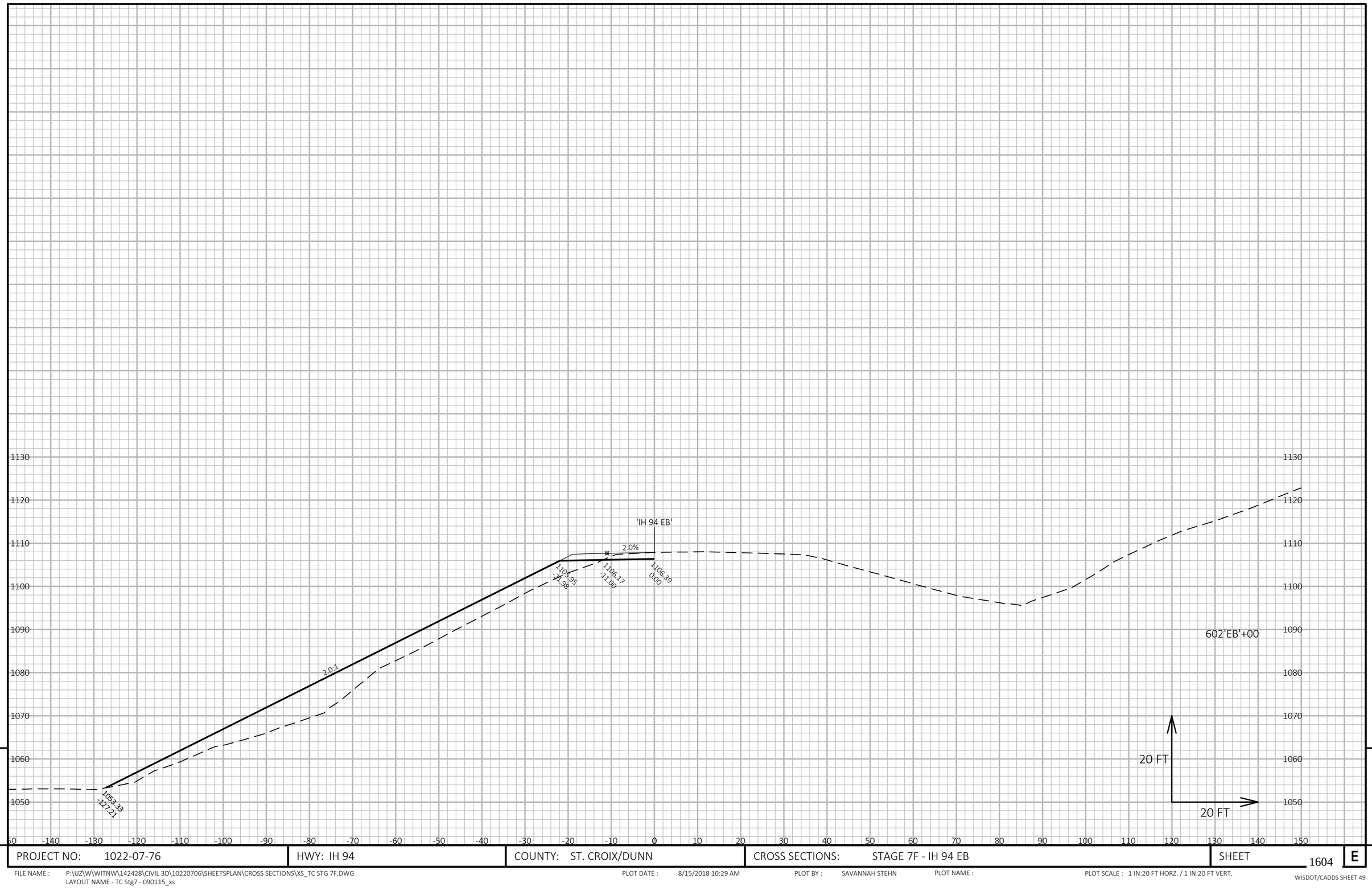
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1603	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090114_xs

PLOT DATE : 8/15/2018 10:29 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



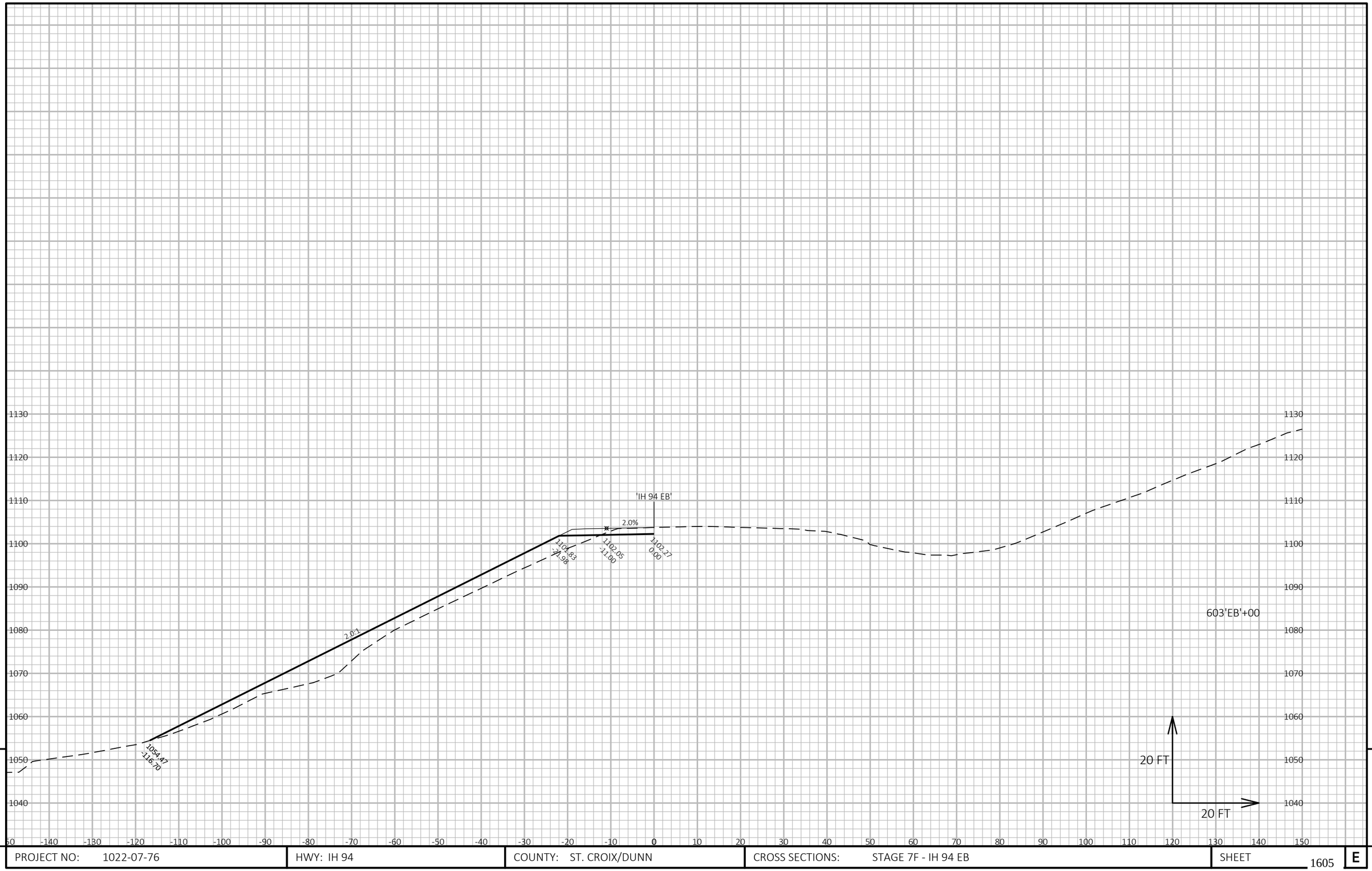
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1604	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090115_xs

PLOT DATE : 8/15/2018 10:29 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



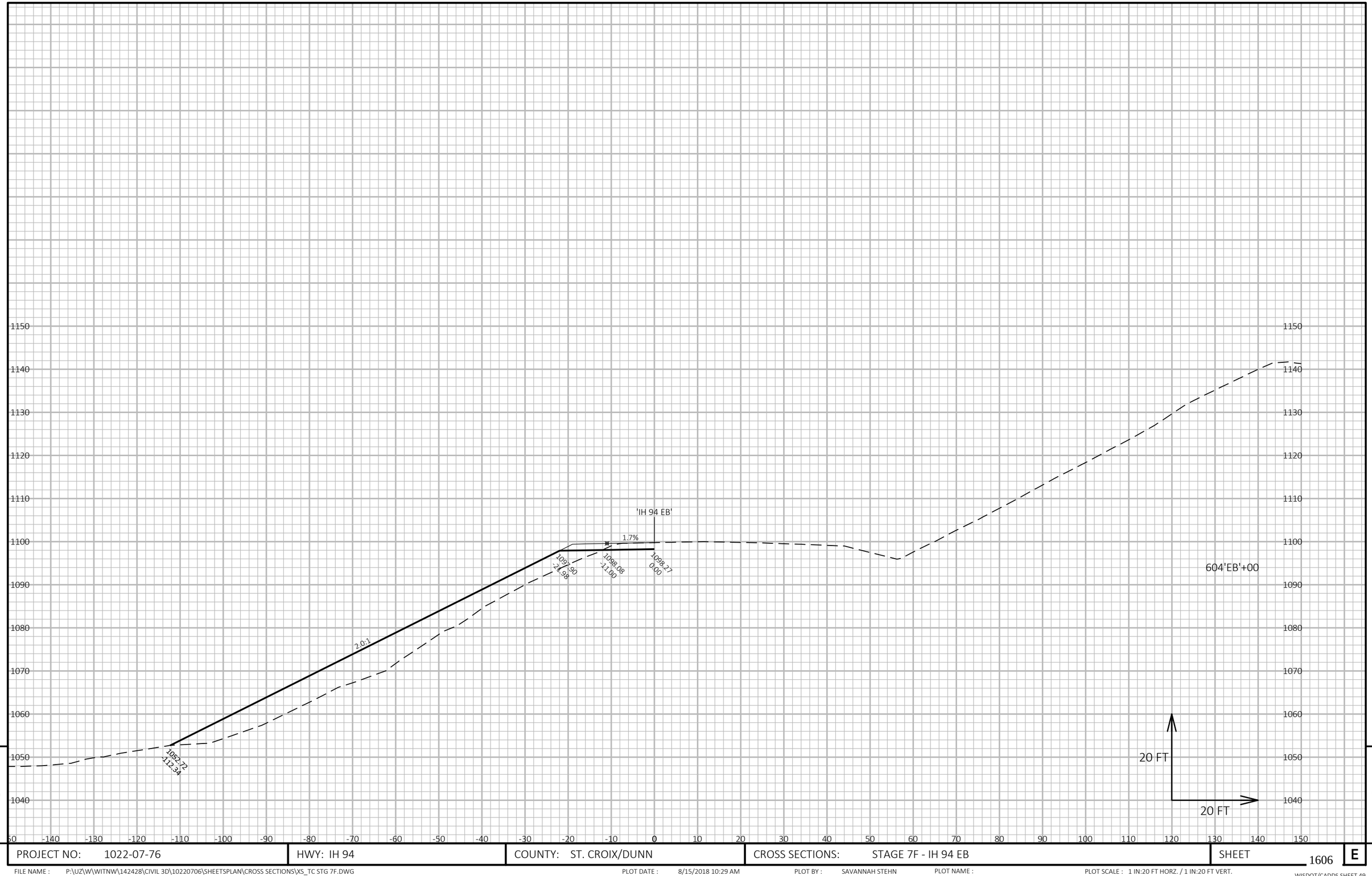
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1605	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090116_xs

PLOT DATE : 8/15/2018 10:29 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



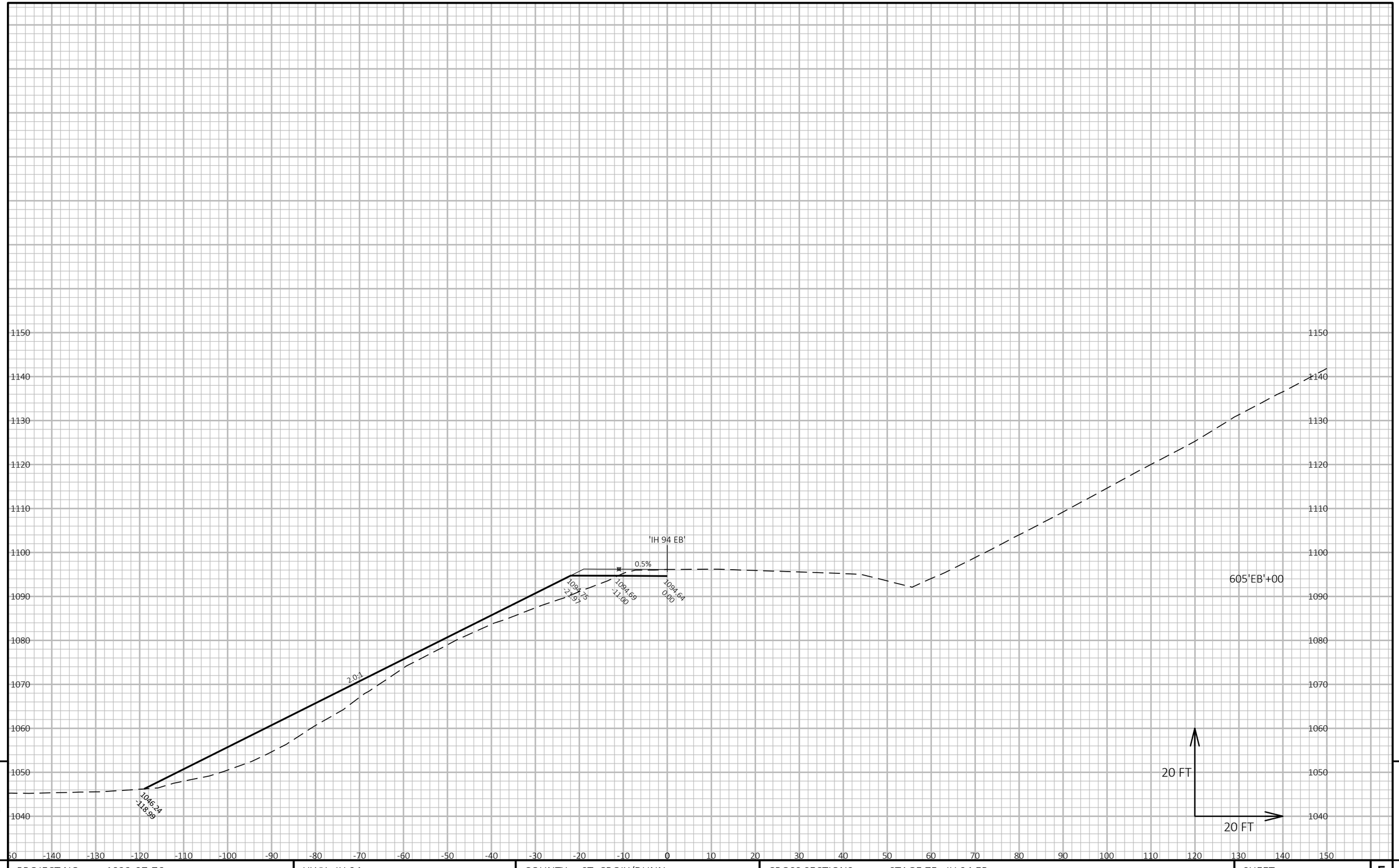
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1606	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090117_xs

PLOT DATE : 8/15/2018 10:29 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

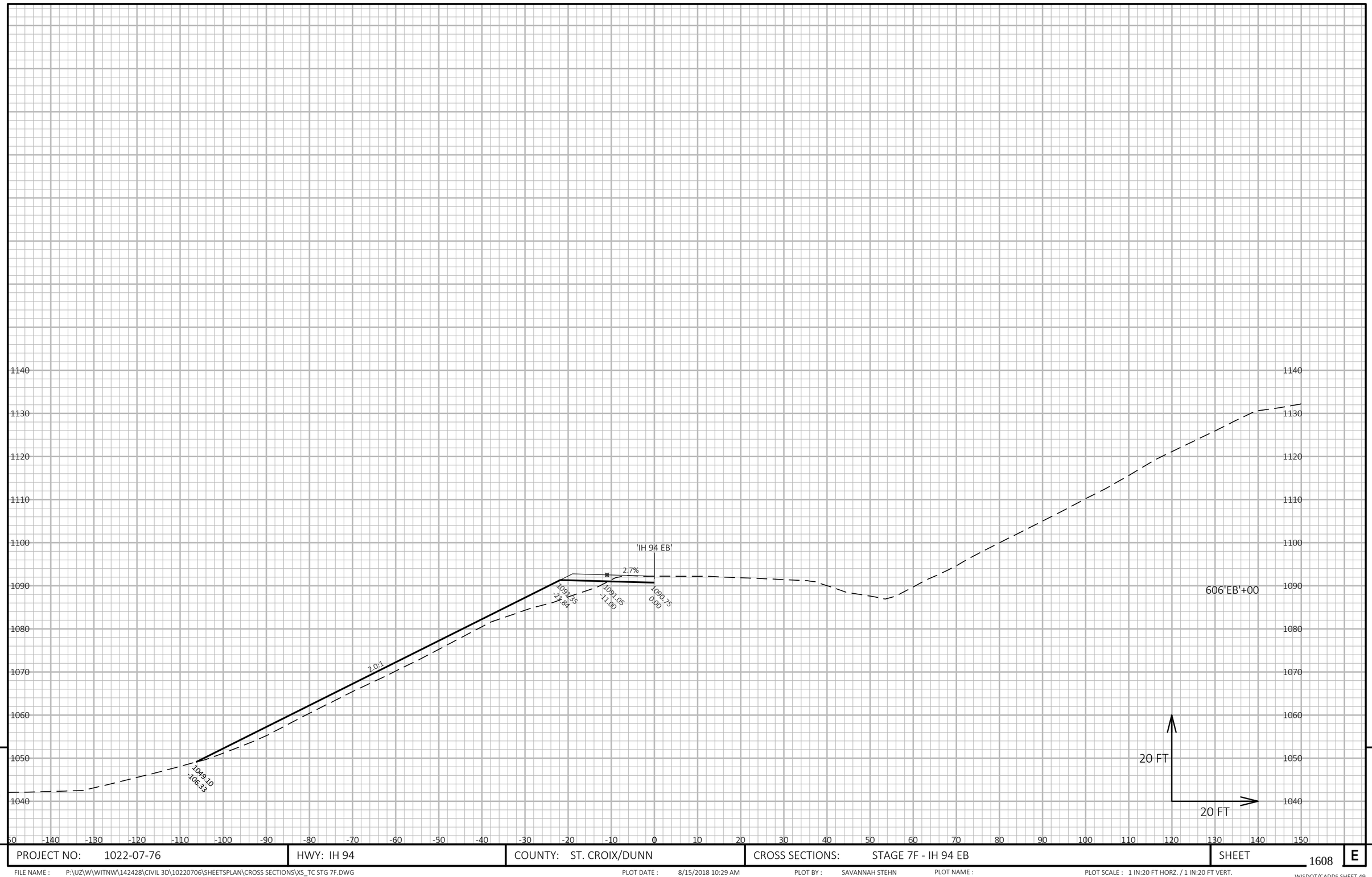


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1607	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090118_xs

PLOT DATE : 8/15/2018 10:29 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1608	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090119_xs

PLOT DATE : 8/15/2018 10:29 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

'IH 94 EB'

4.6%

1087.35
-24.75

1086.85
-11.00

1086.35
0.00

2.0:1

CULVERT PIPE EXTENSION 24-INCH REQ'D

1052.17
-92.09

607'EB'+20.30

'IH 94 EB'

4.6%

1088.03
-24.75

1087.54
-11.00

1087.03
0.00

2.0:1

1052.93
-91.94

607'EB'+00

20 FT

20 FT

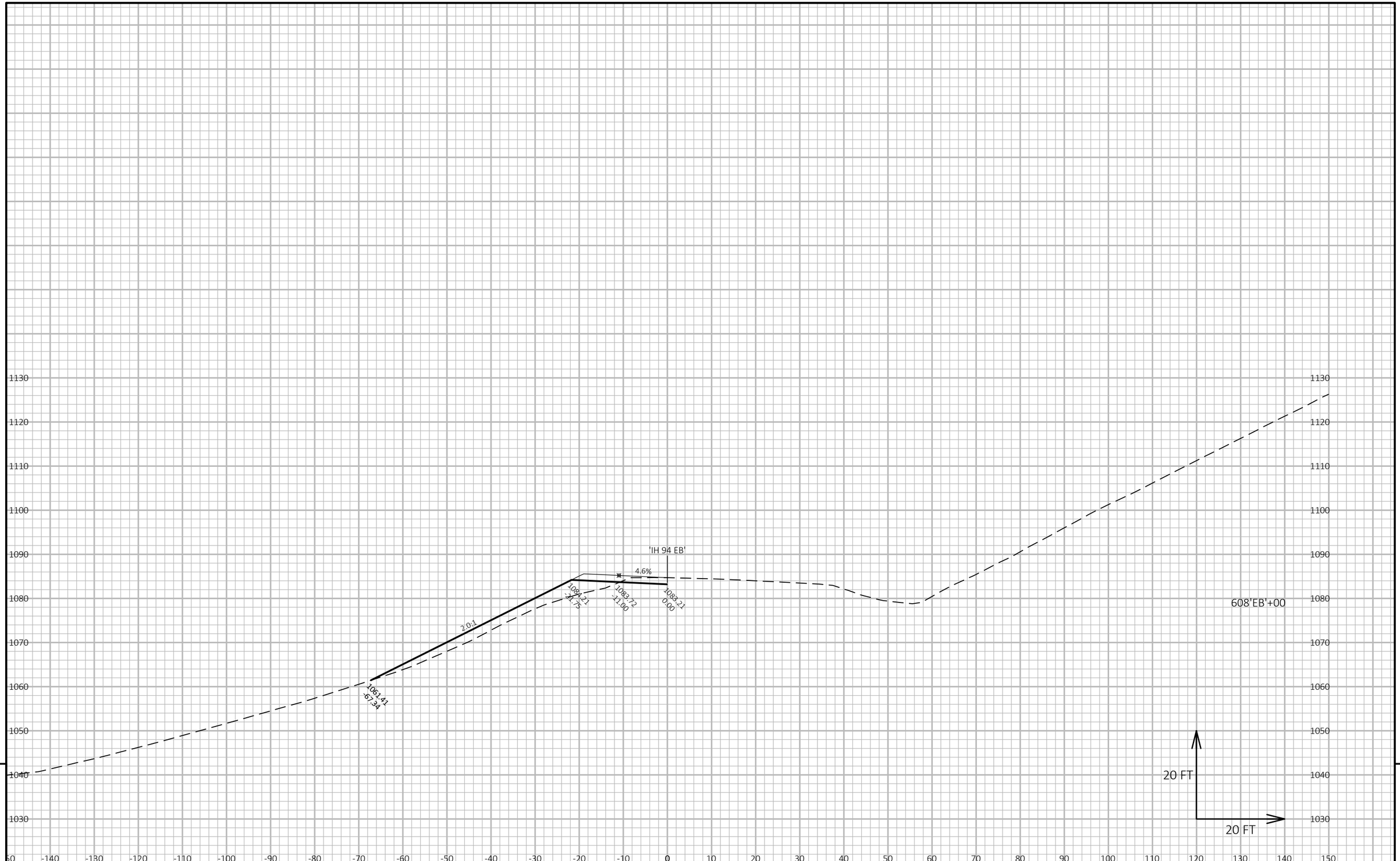
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1609	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090120_xs

PLOT DATE : 8/15/2018 10:30 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



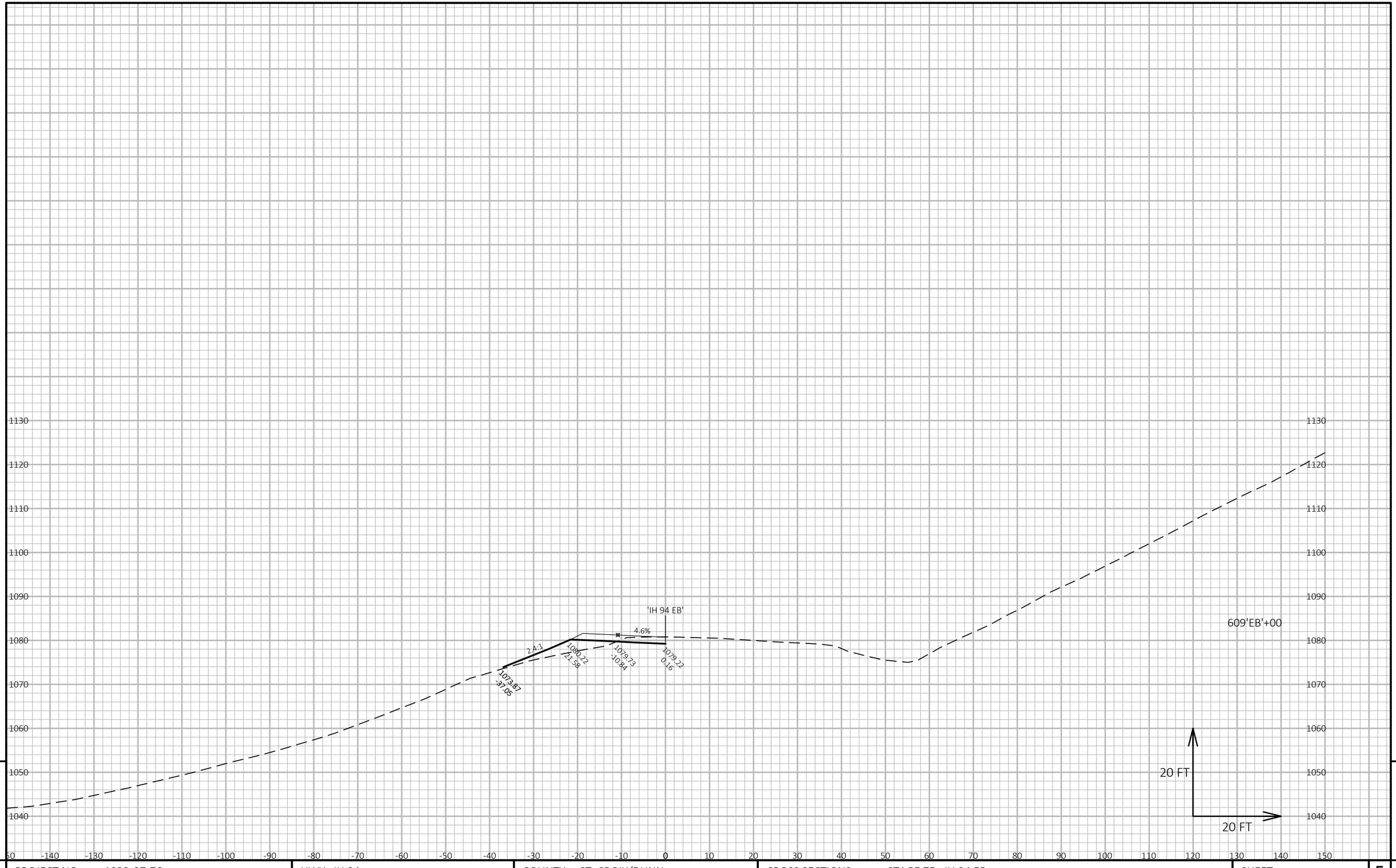
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9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1610	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090121_xs

PLOT DATE : 8/15/2018 10:30 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

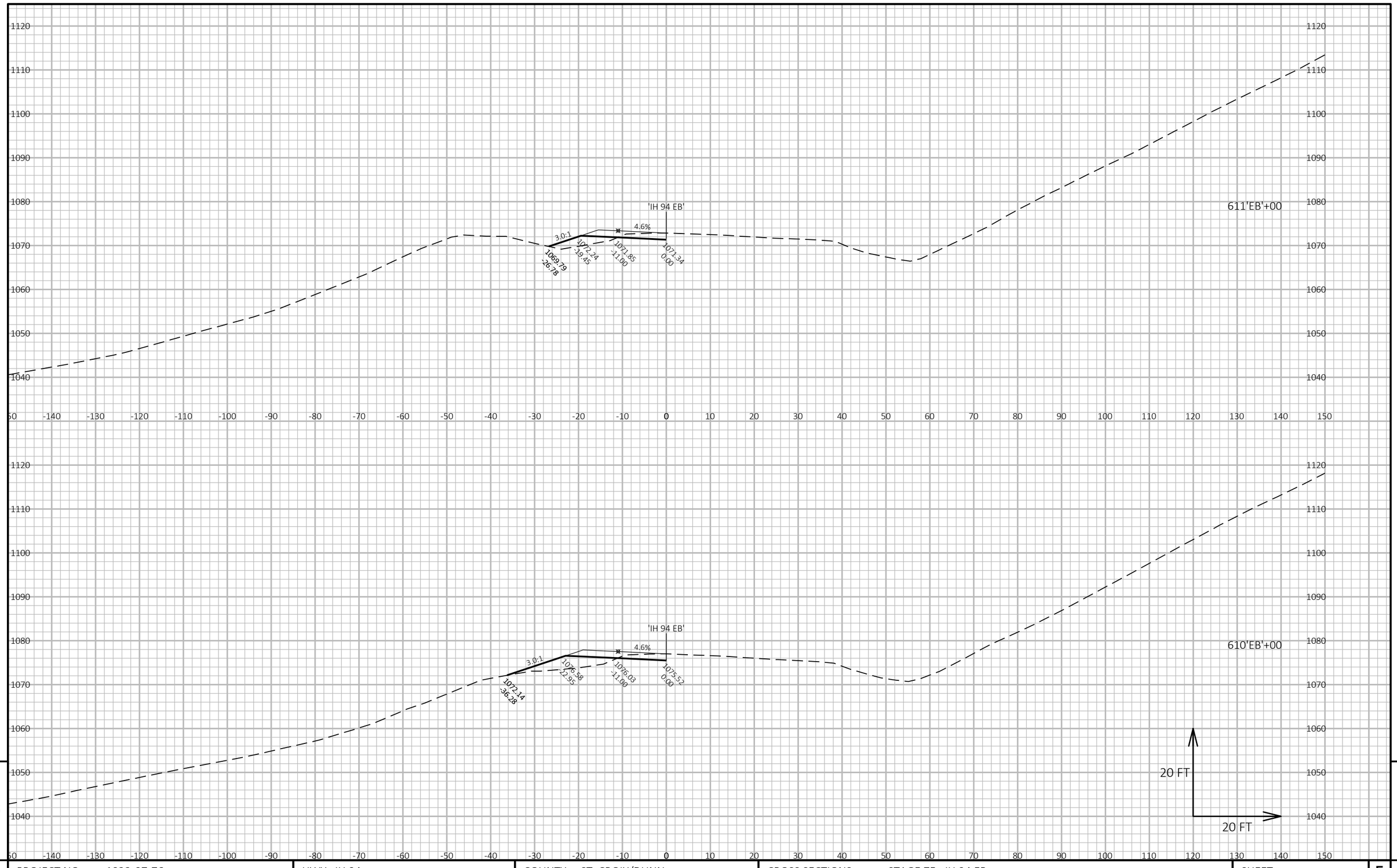


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1611	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090122_xs

PLOT DATE : 8/15/2018 10:30 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



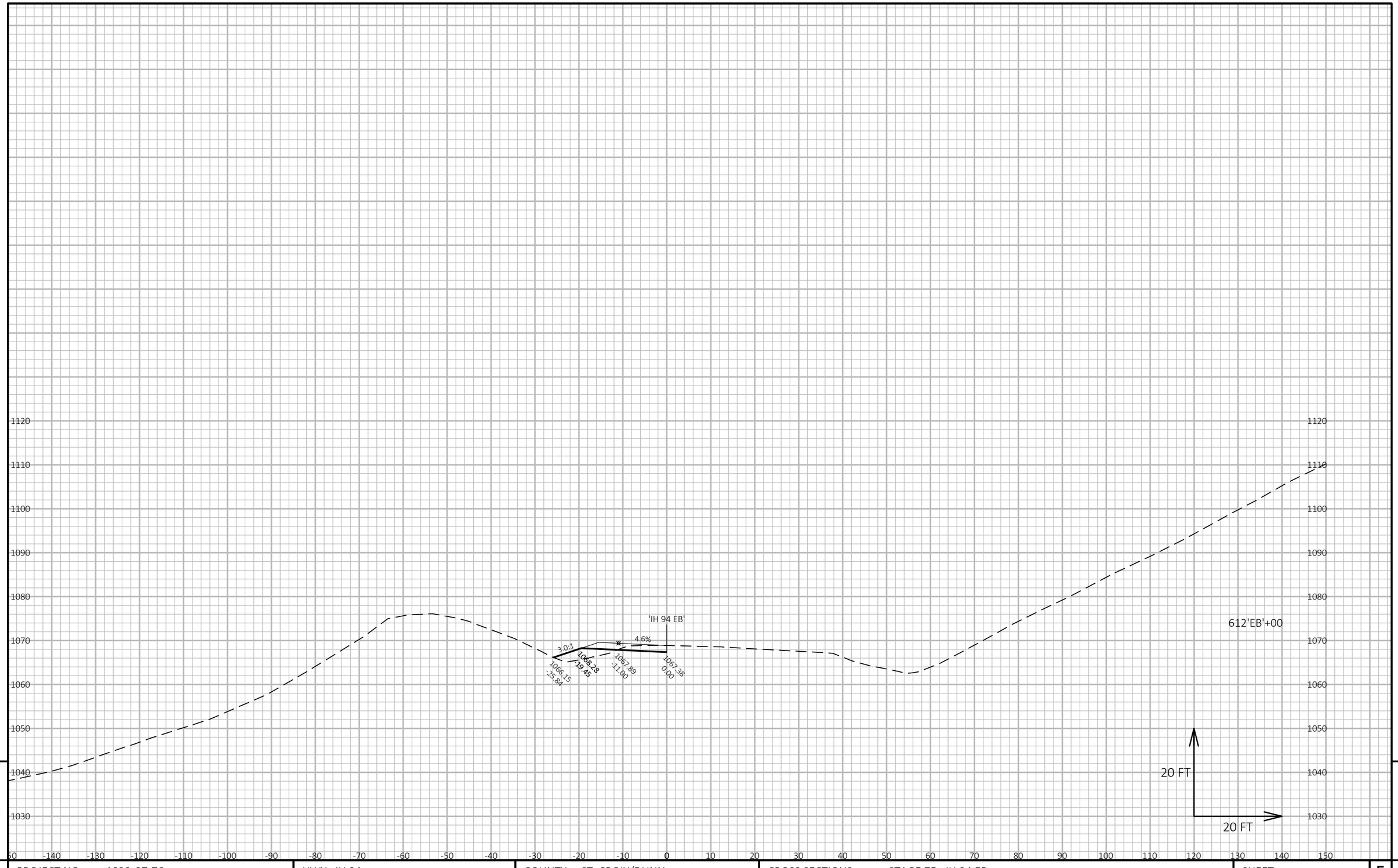
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1612	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090123_xs

PLOT DATE : 8/15/2018 10:30 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



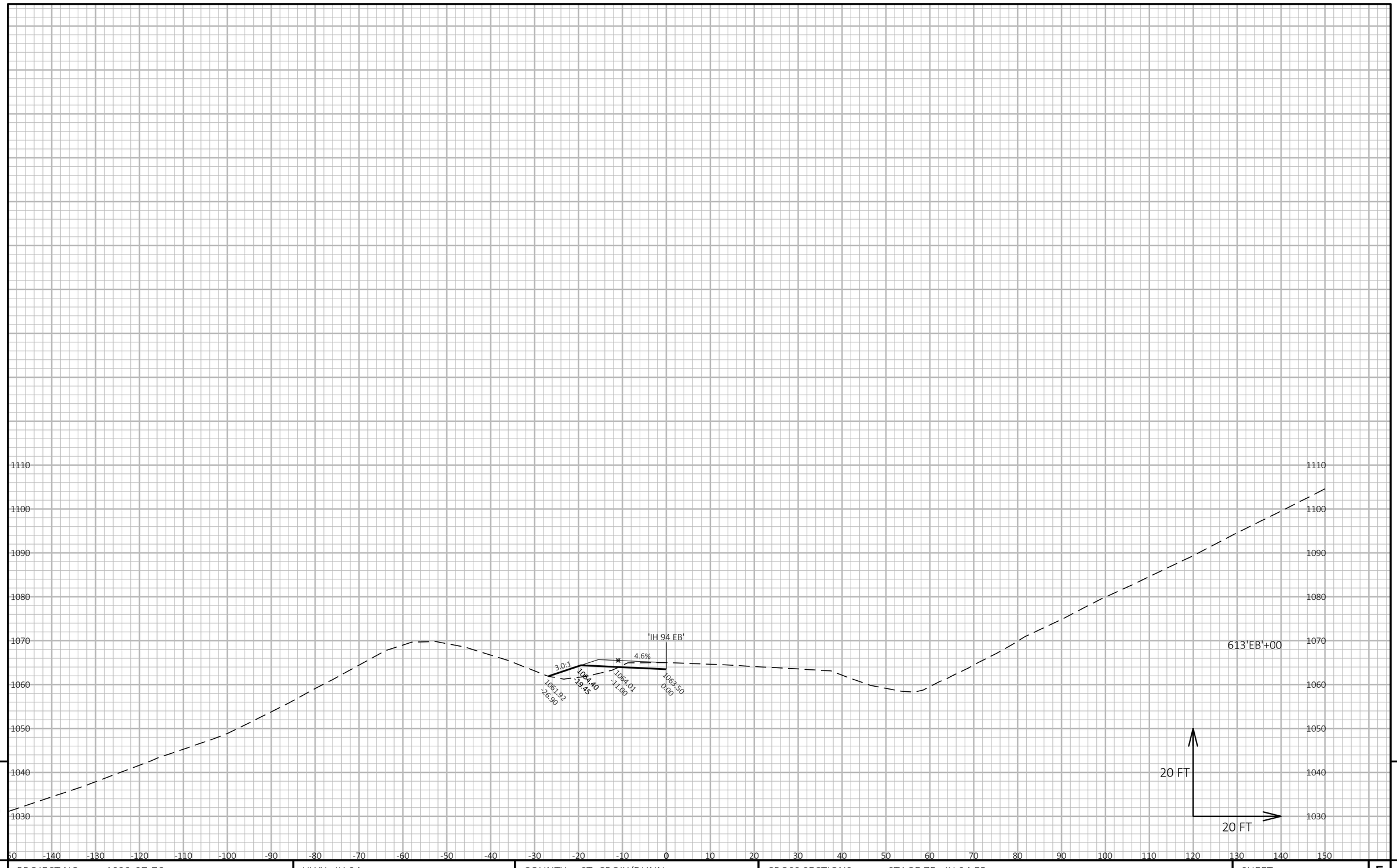
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1613	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090124_xs

PLOT DATE : 8/15/2018 10:30 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



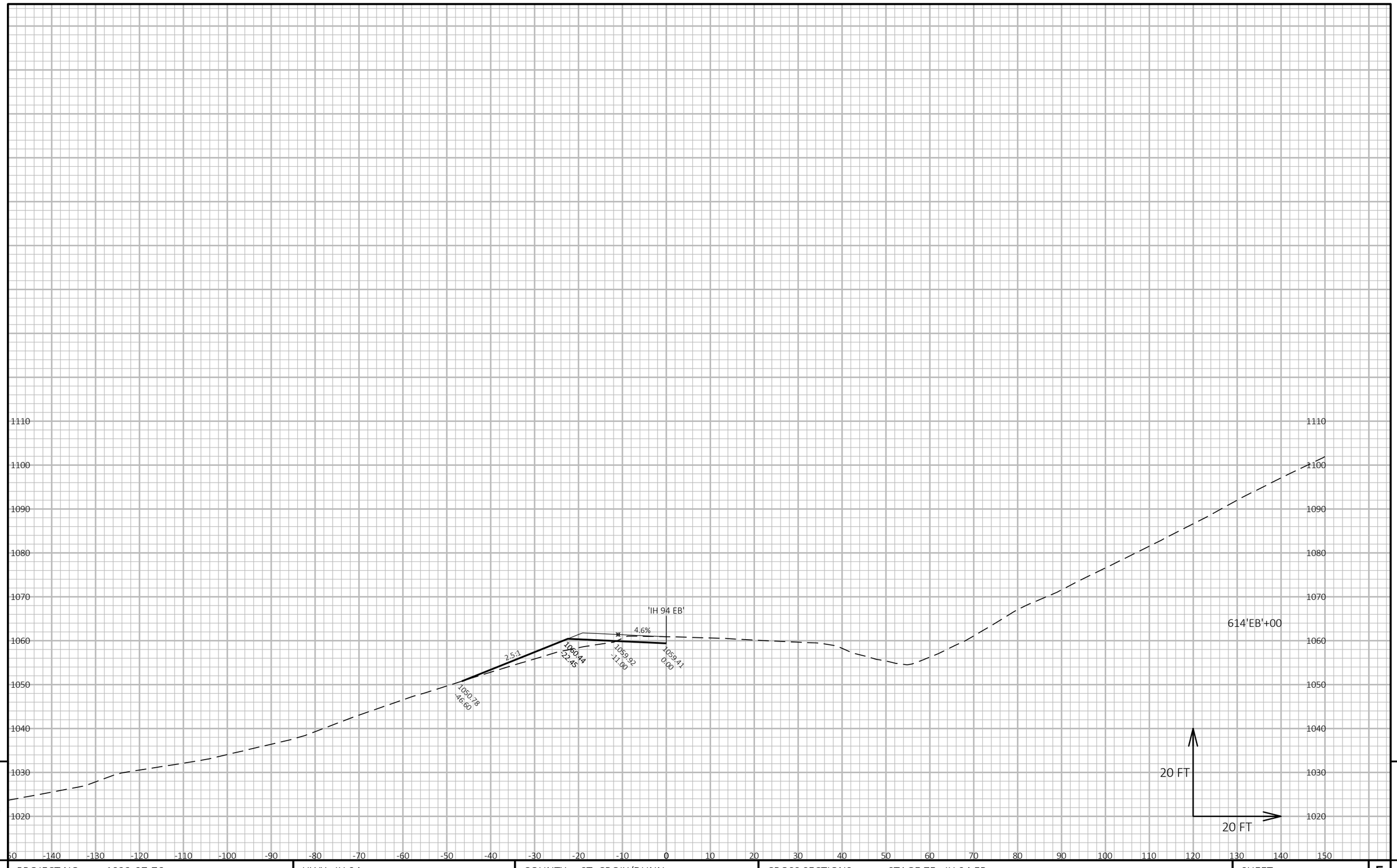
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1614	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090125_xs

PLOT DATE : 8/15/2018 10:30 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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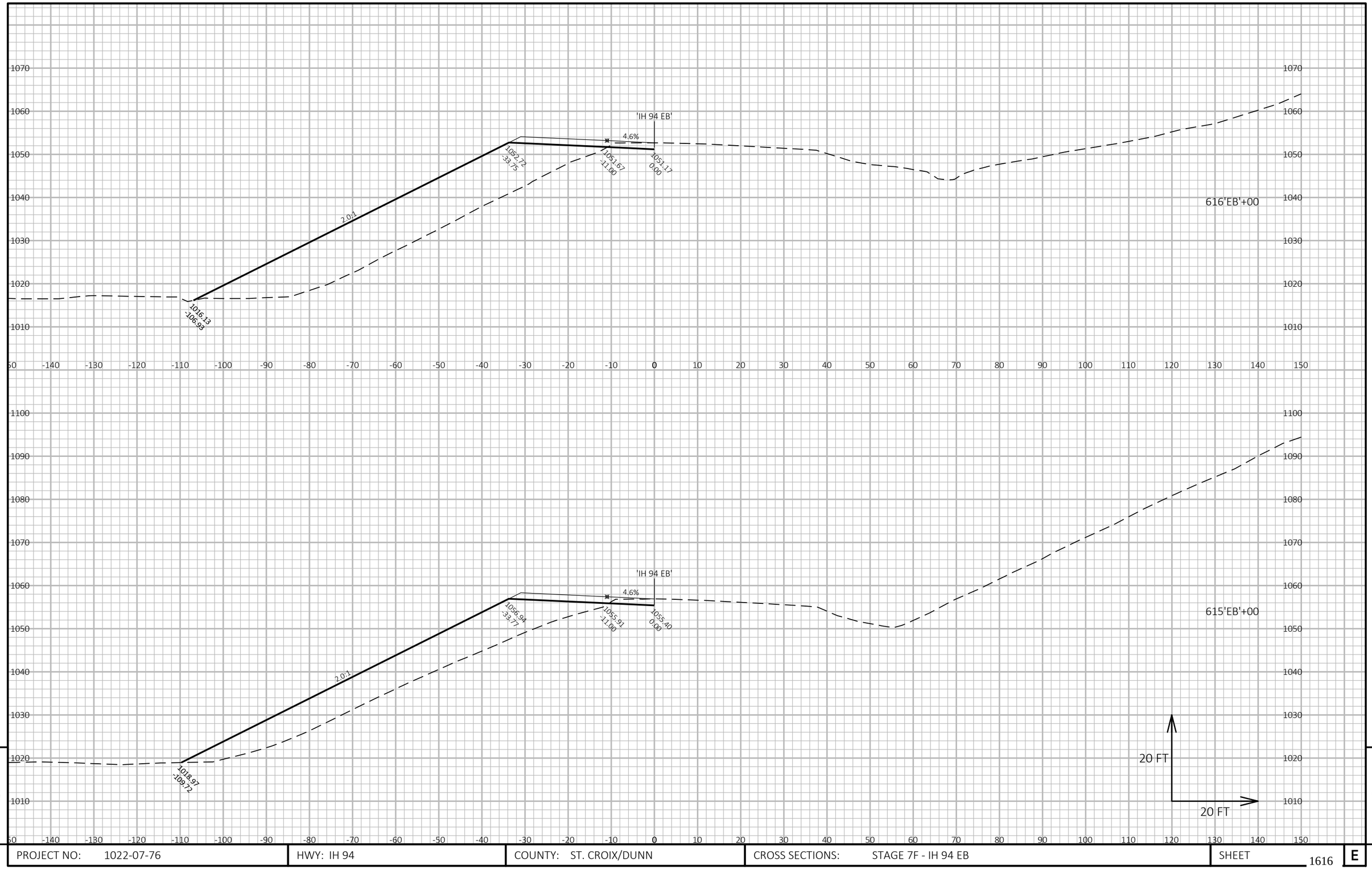
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1615	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090126_xs

PLOT DATE : 8/15/2018 10:31 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

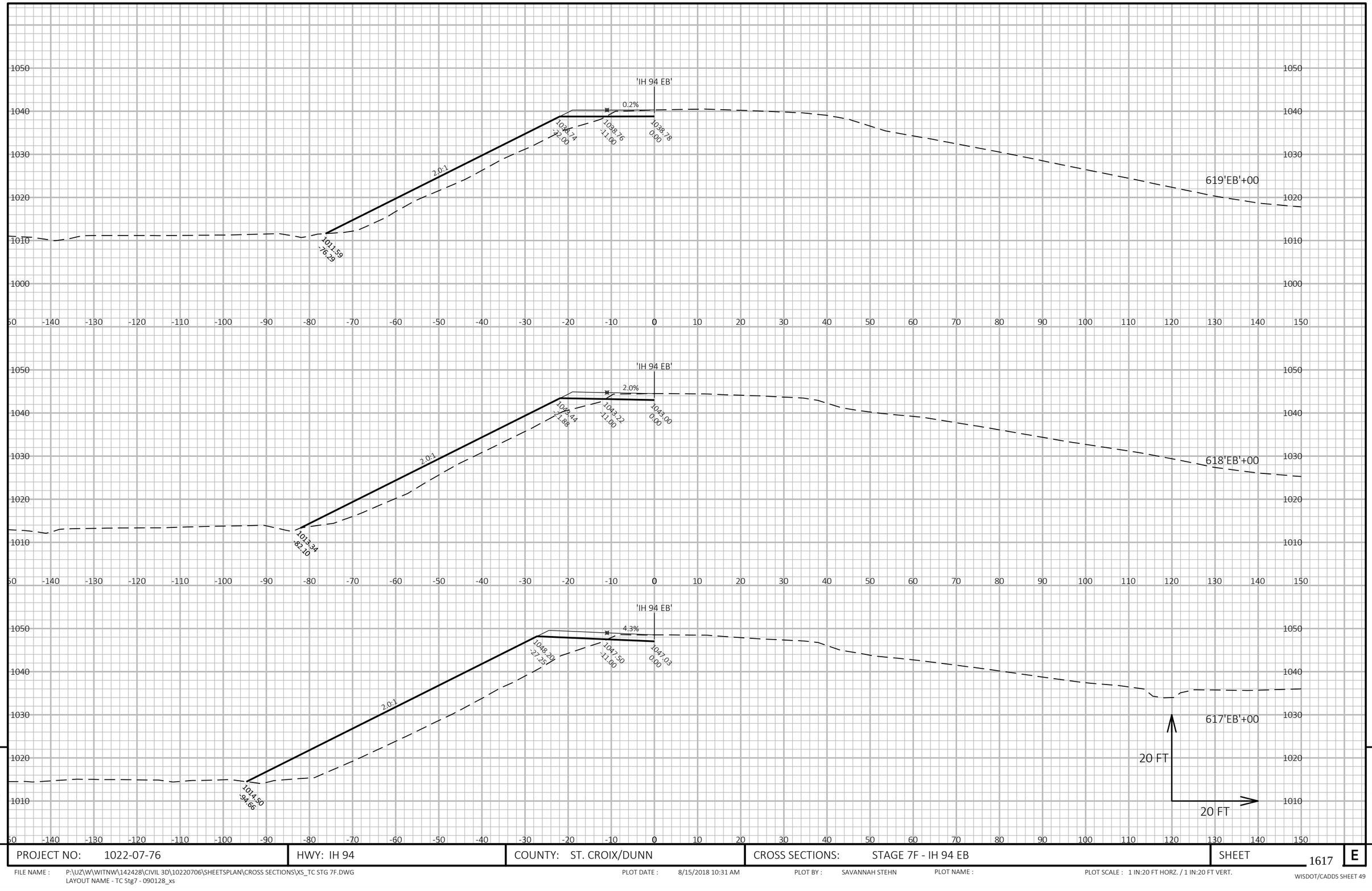


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1616 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090127_xs

PLOT DATE : 8/15/2018 10:31 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

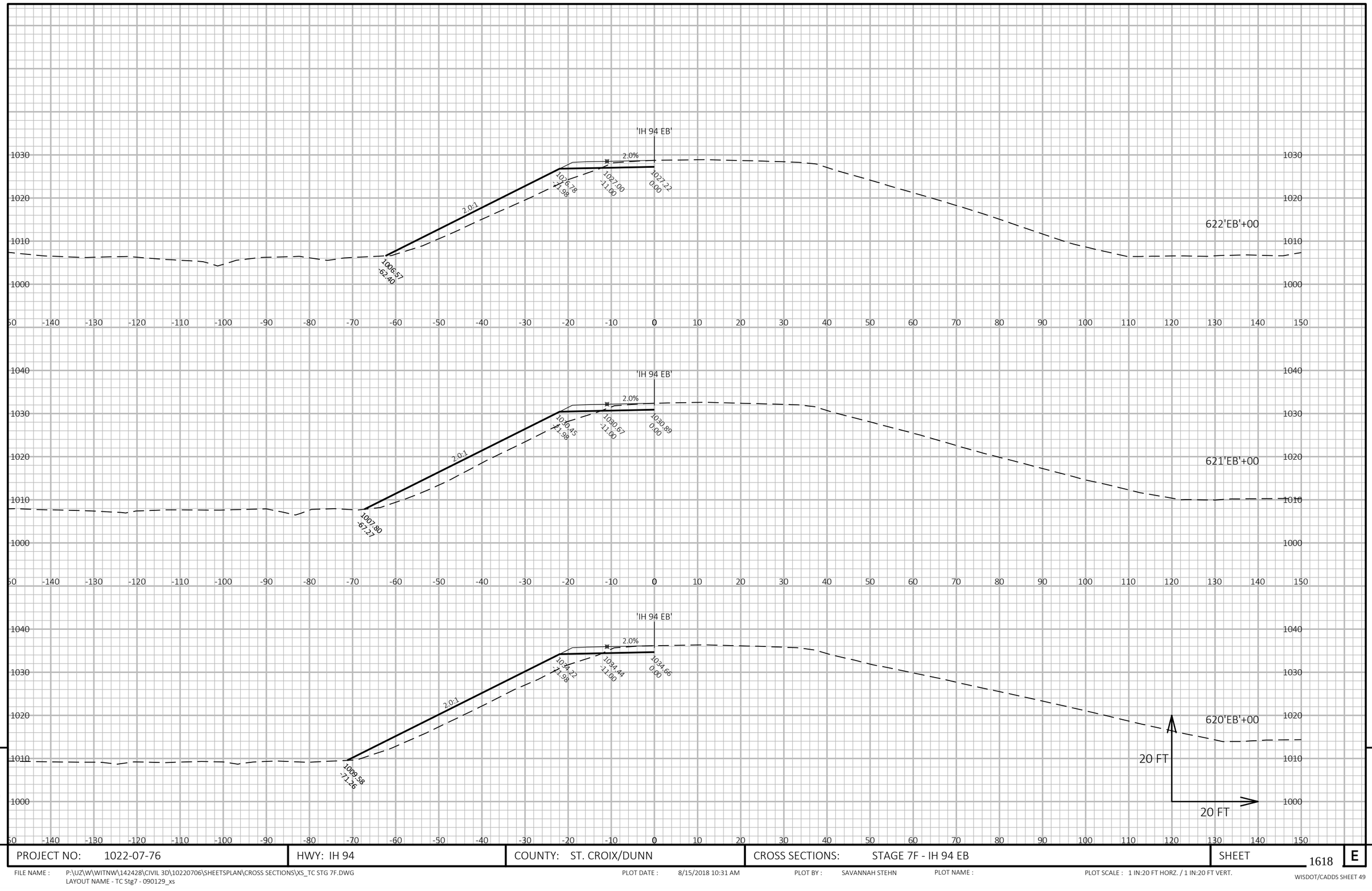


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1617	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090128_xs

PLOT DATE : 8/15/2018 10:31 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1618	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090129_xs

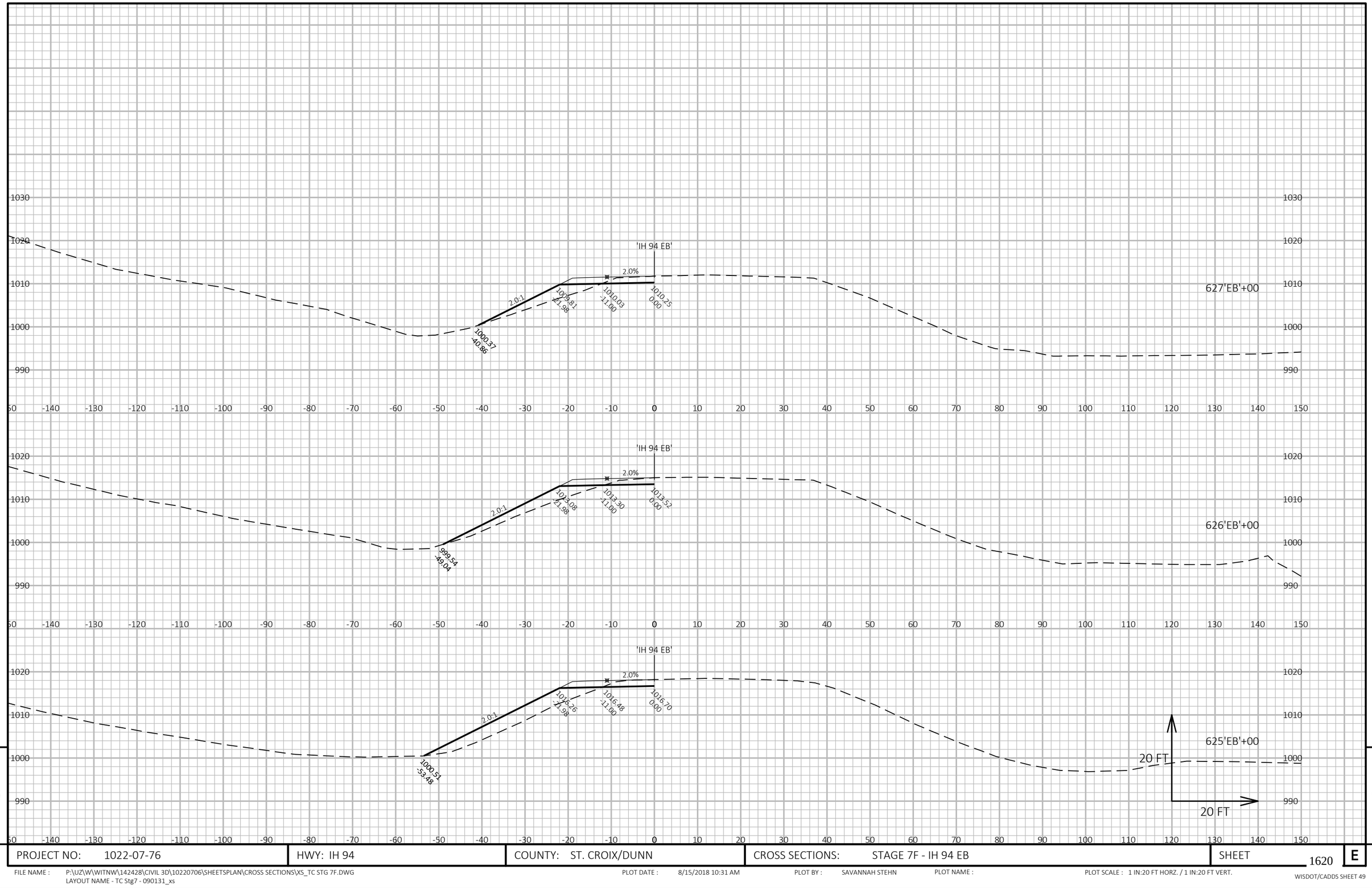
PLOT DATE : 8/15/2018 10:31 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1619 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090130_xs

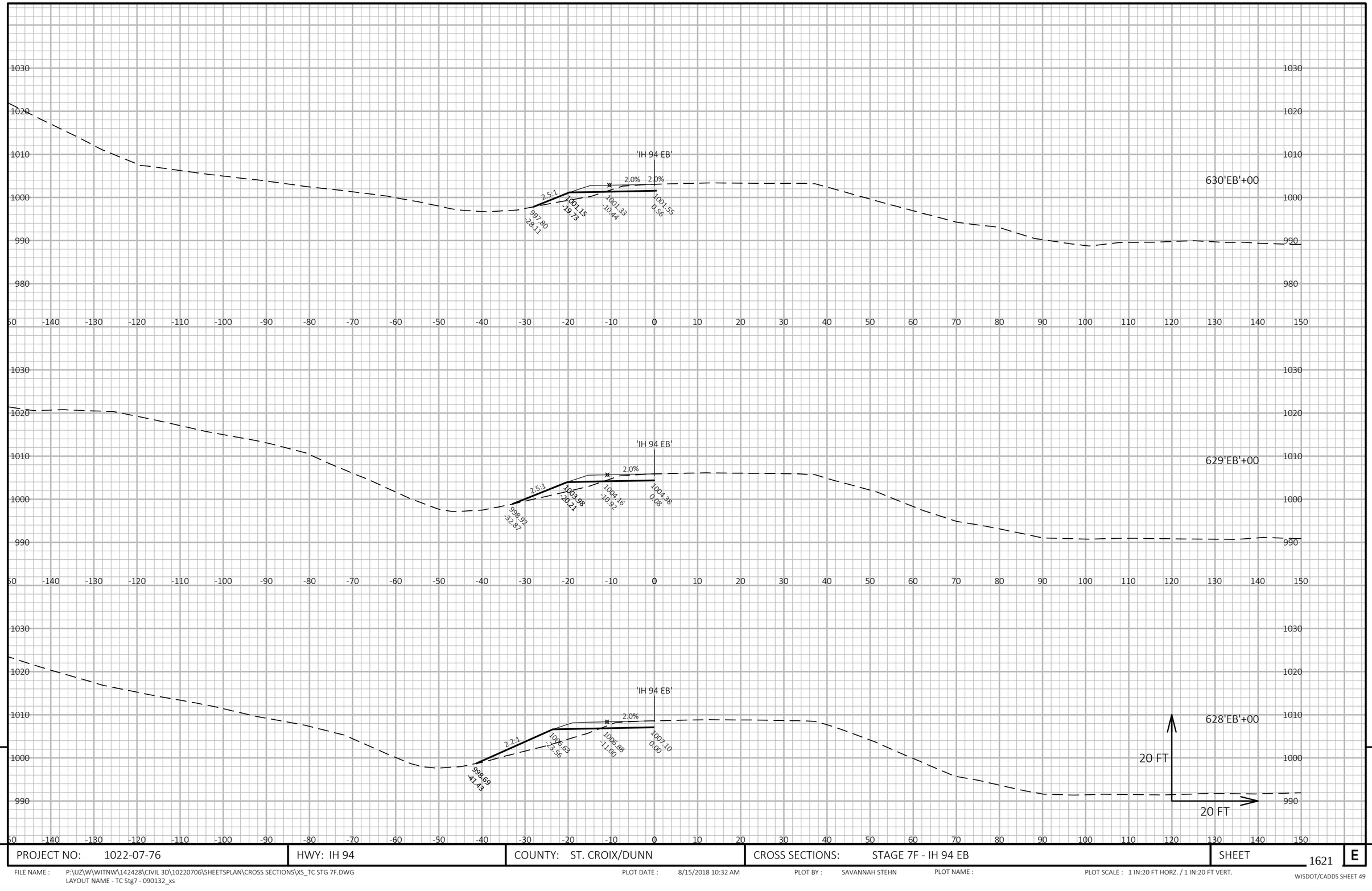
PLOT DATE : 8/15/2018 10:31 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1620	E



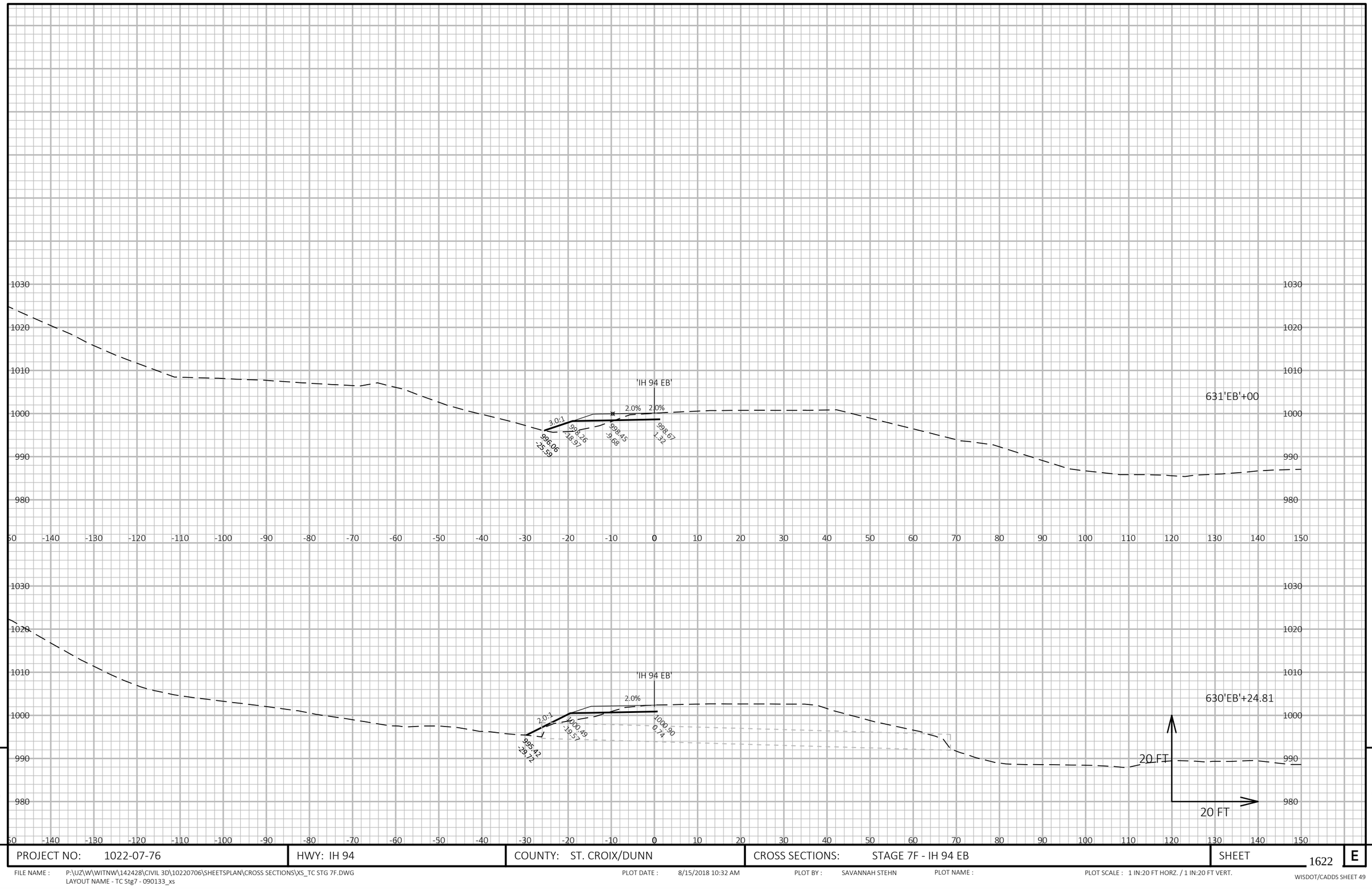
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1621 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090132_xs

PLOT DATE : 8/15/2018 10:32 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



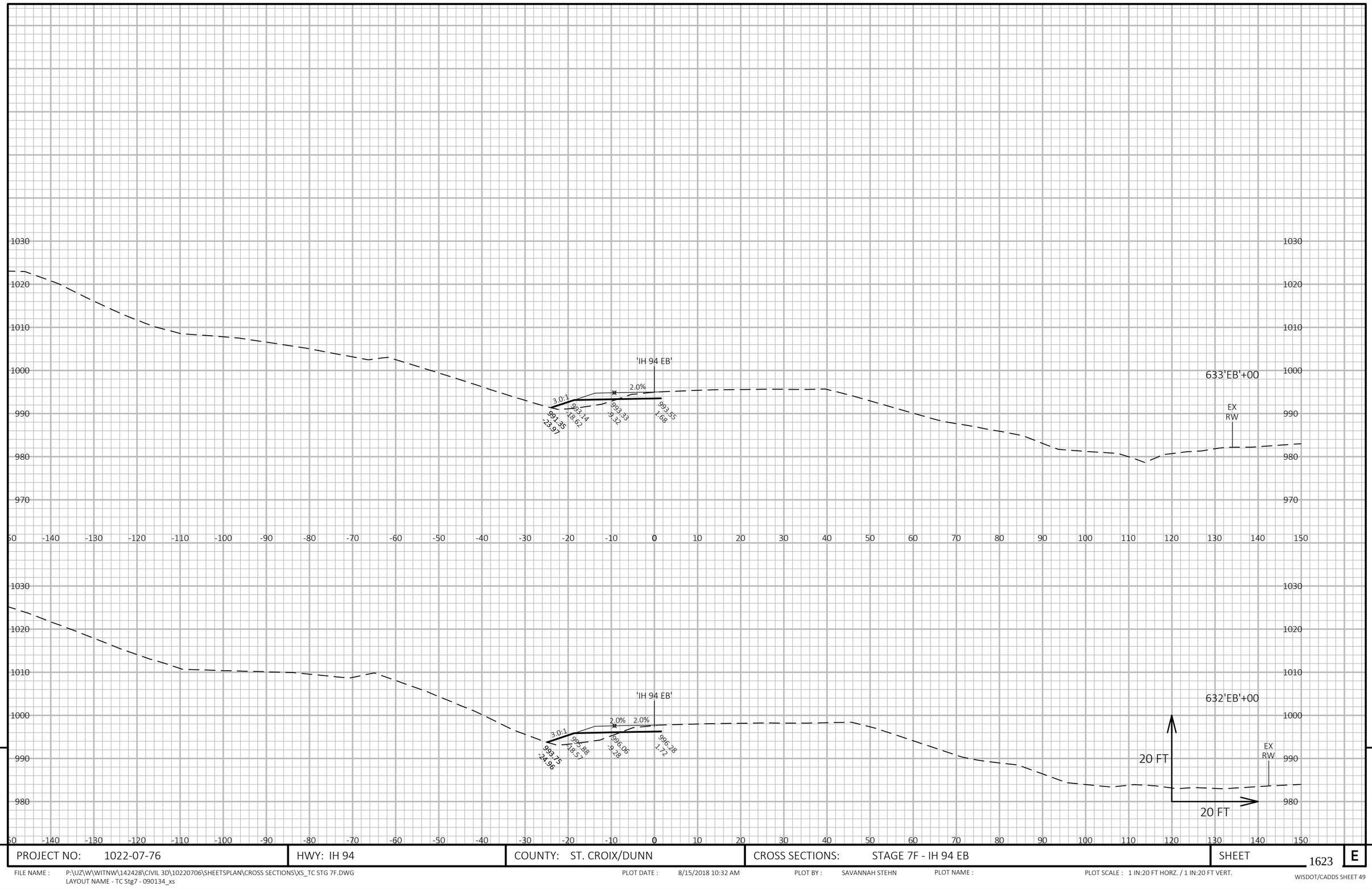
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1622	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090133_xs

PLOT DATE : 8/15/2018 10:32 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



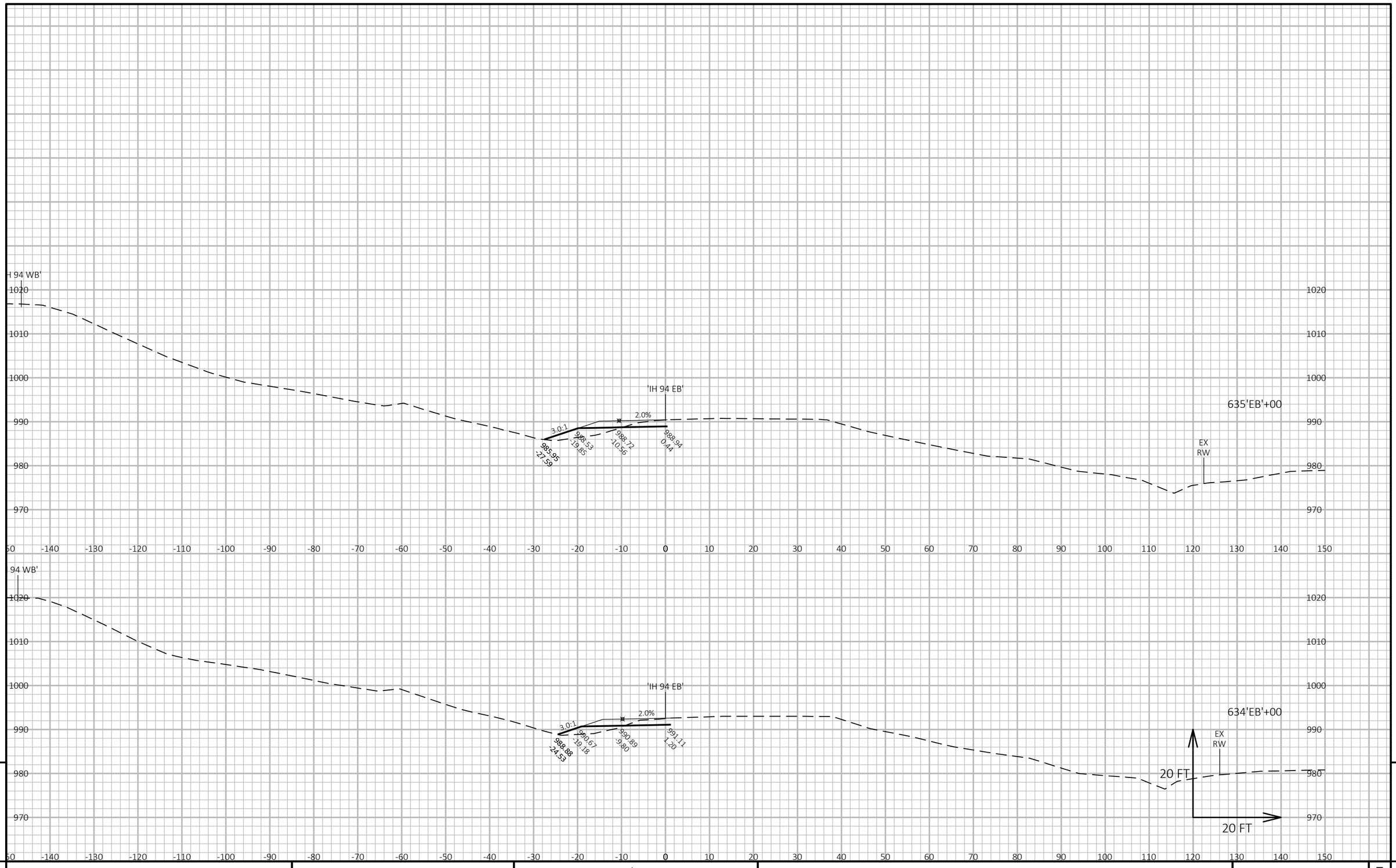
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1623	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090134_xs

PLOT DATE : 8/15/2018 10:32 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



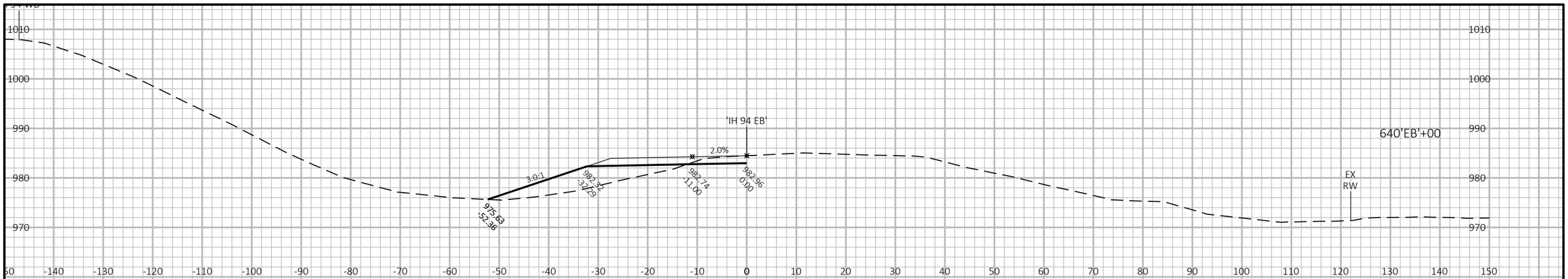
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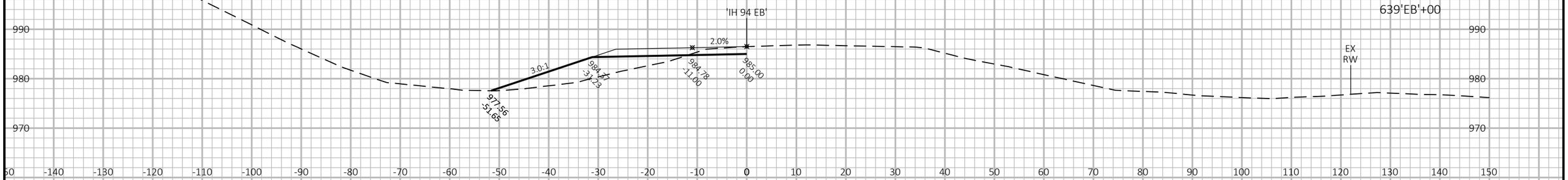
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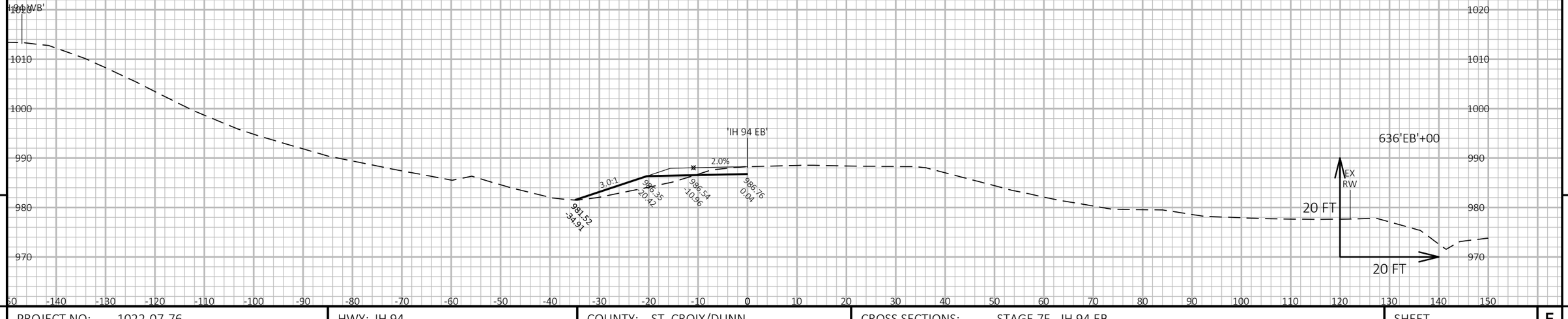
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1624	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090135_xs

PLOT DATE : 8/15/2018 10:32 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





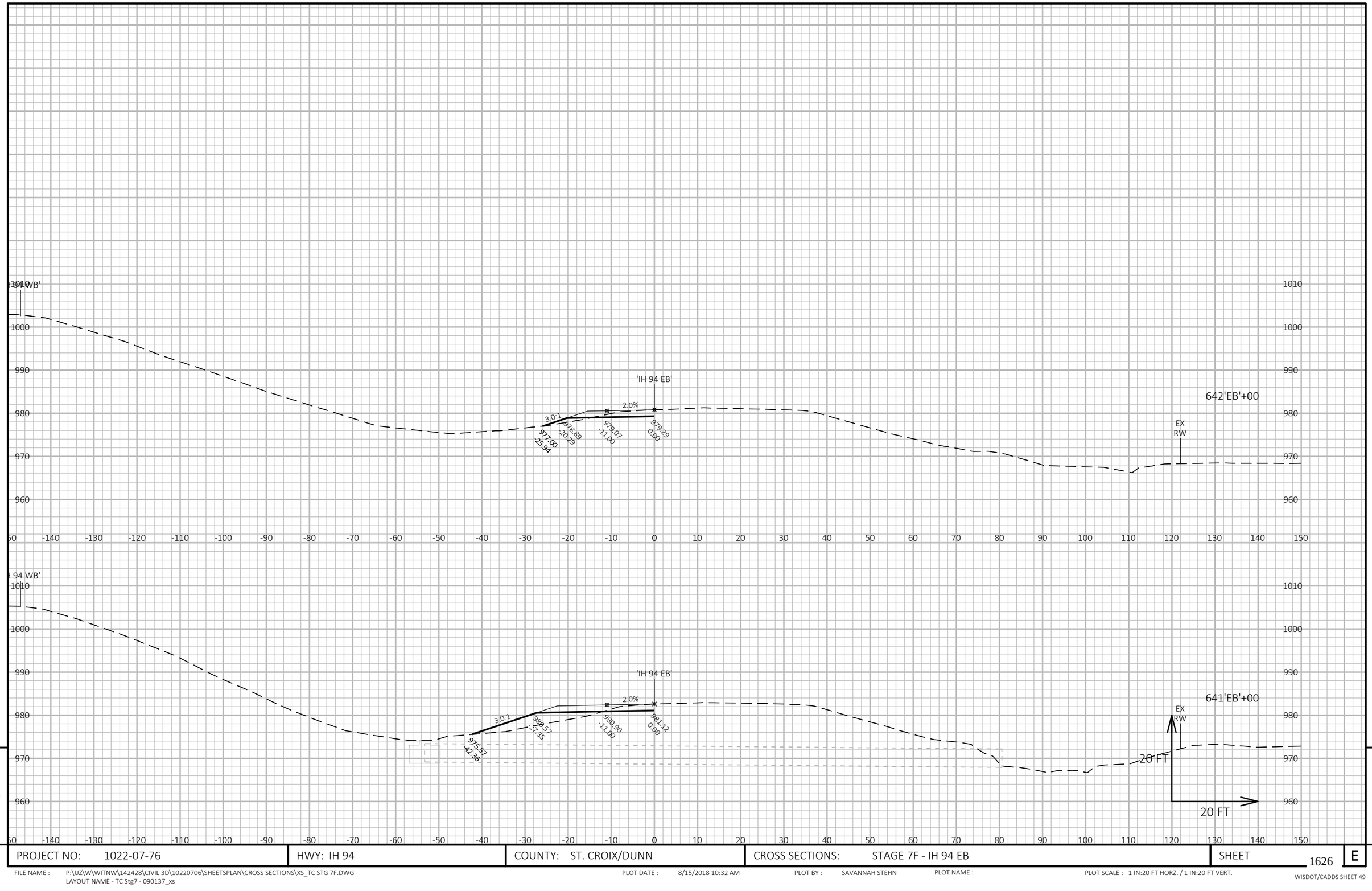


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1625 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090136_xs

PLOT DATE : 8/15/2018 10:32 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

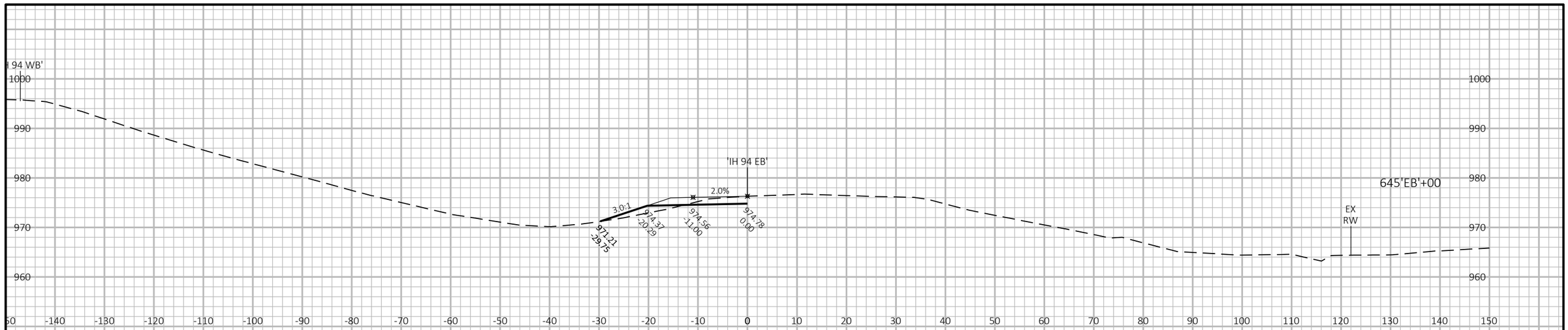


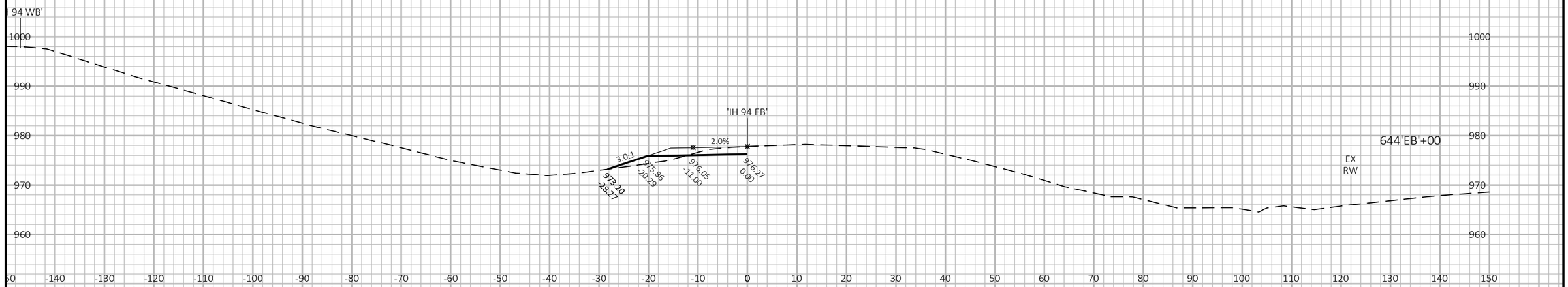
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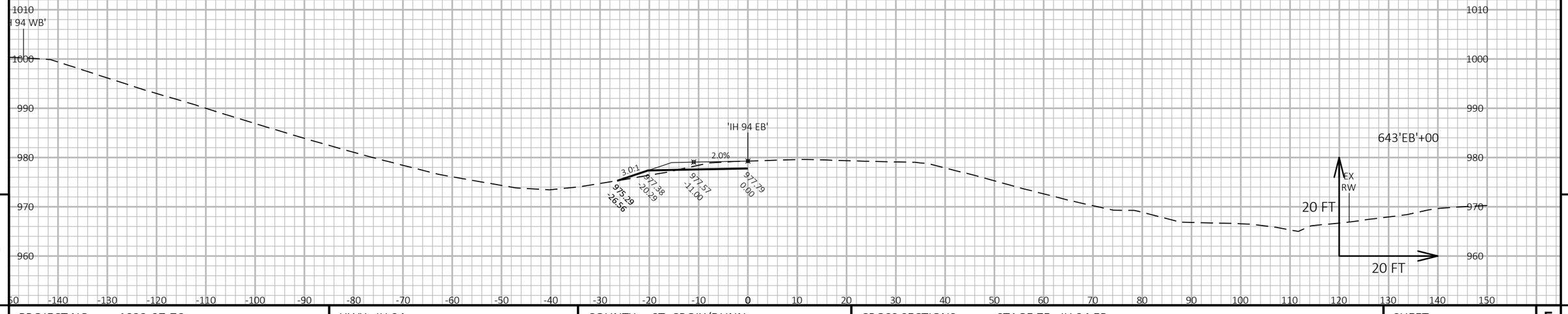
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1626	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090137_xs

PLOT DATE : 8/15/2018 10:32 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.







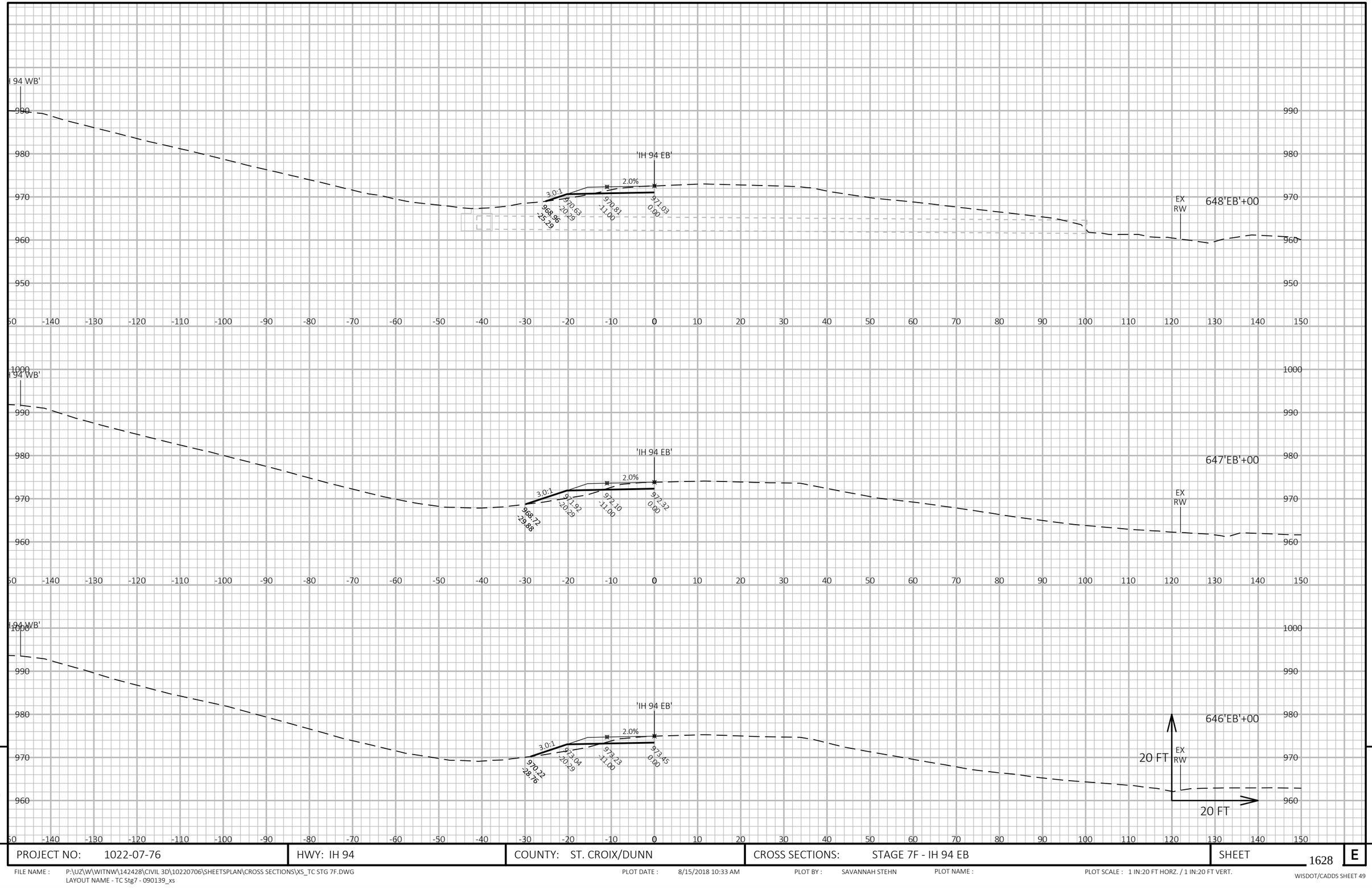
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1627	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090138_xs

PLOT DATE : 8/15/2018 10:33 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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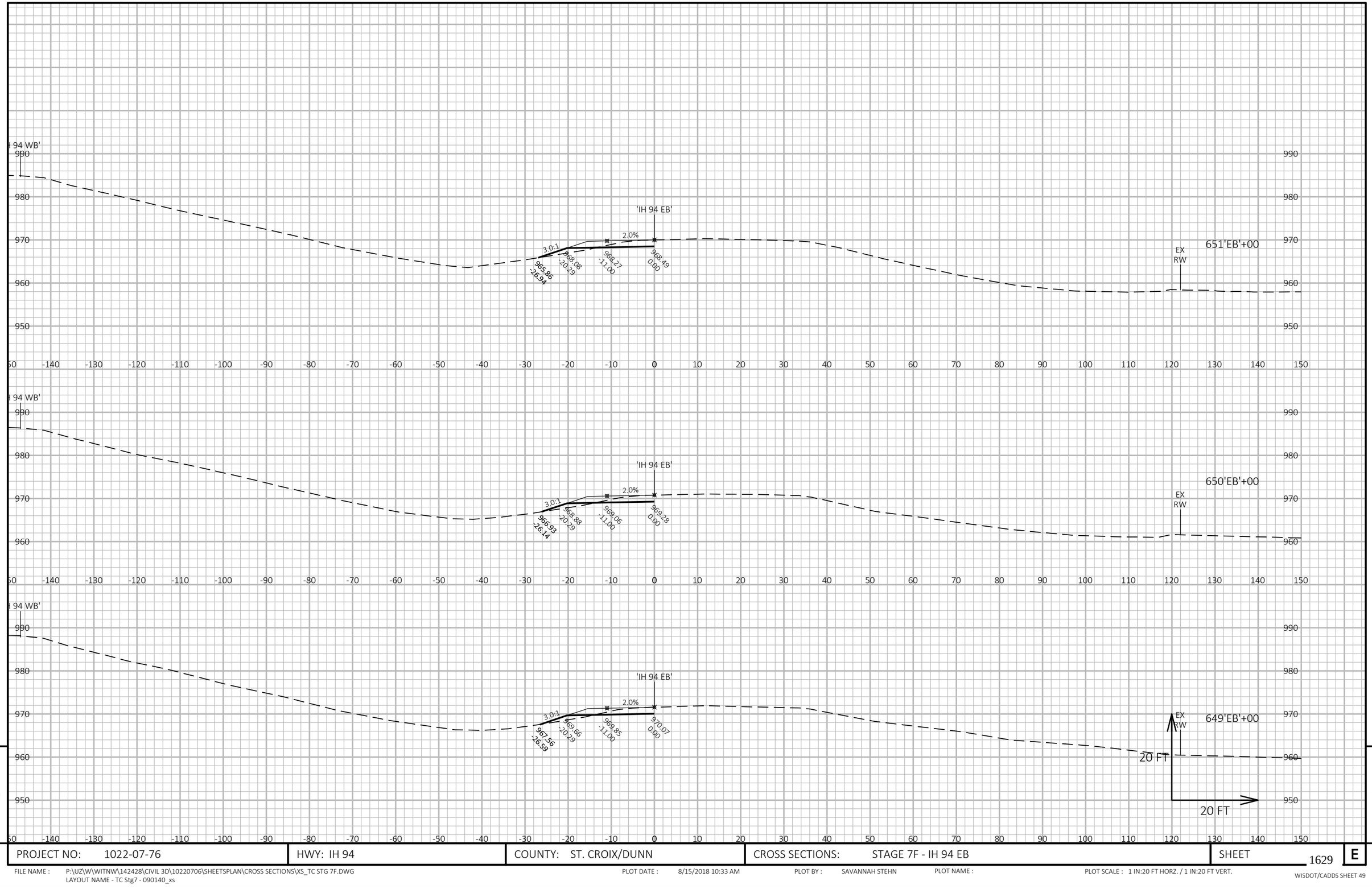
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1628	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090139_xs

PLOT DATE : 8/15/2018 10:33 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



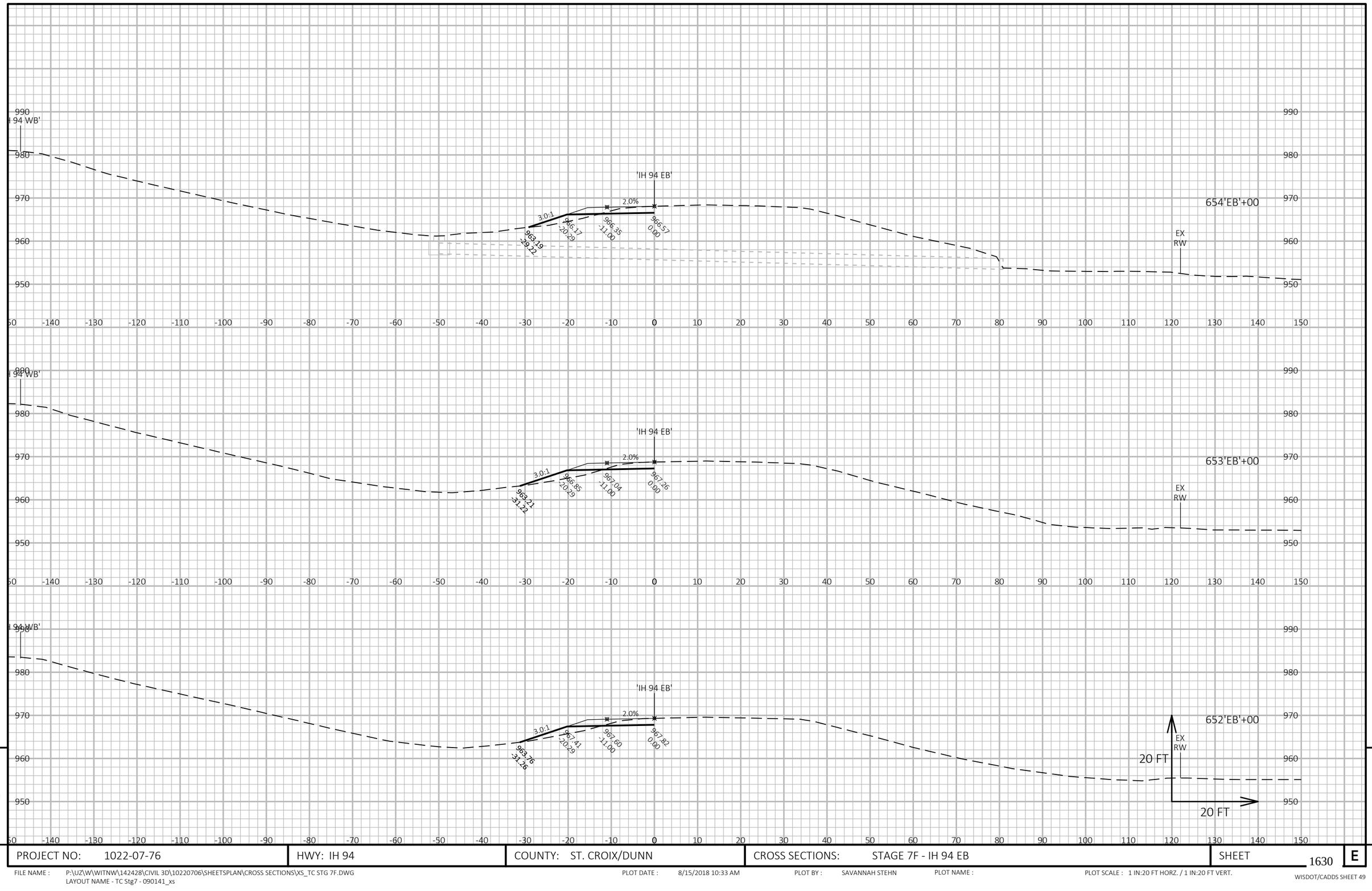
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1629	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090140_xs

PLOT DATE : 8/15/2018 10:33 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

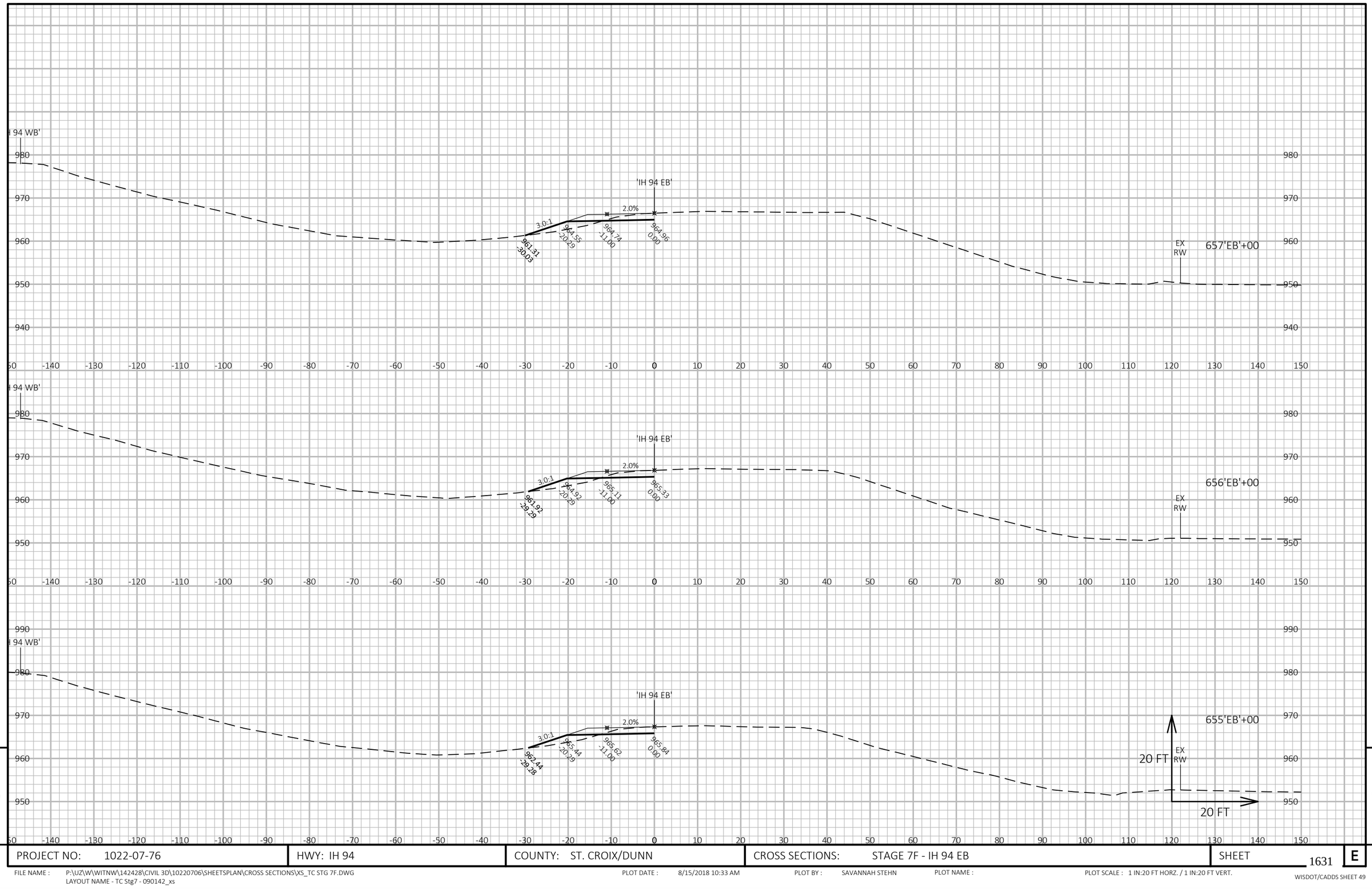


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1630 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090141_xs

PLOT DATE : 8/15/2018 10:33 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



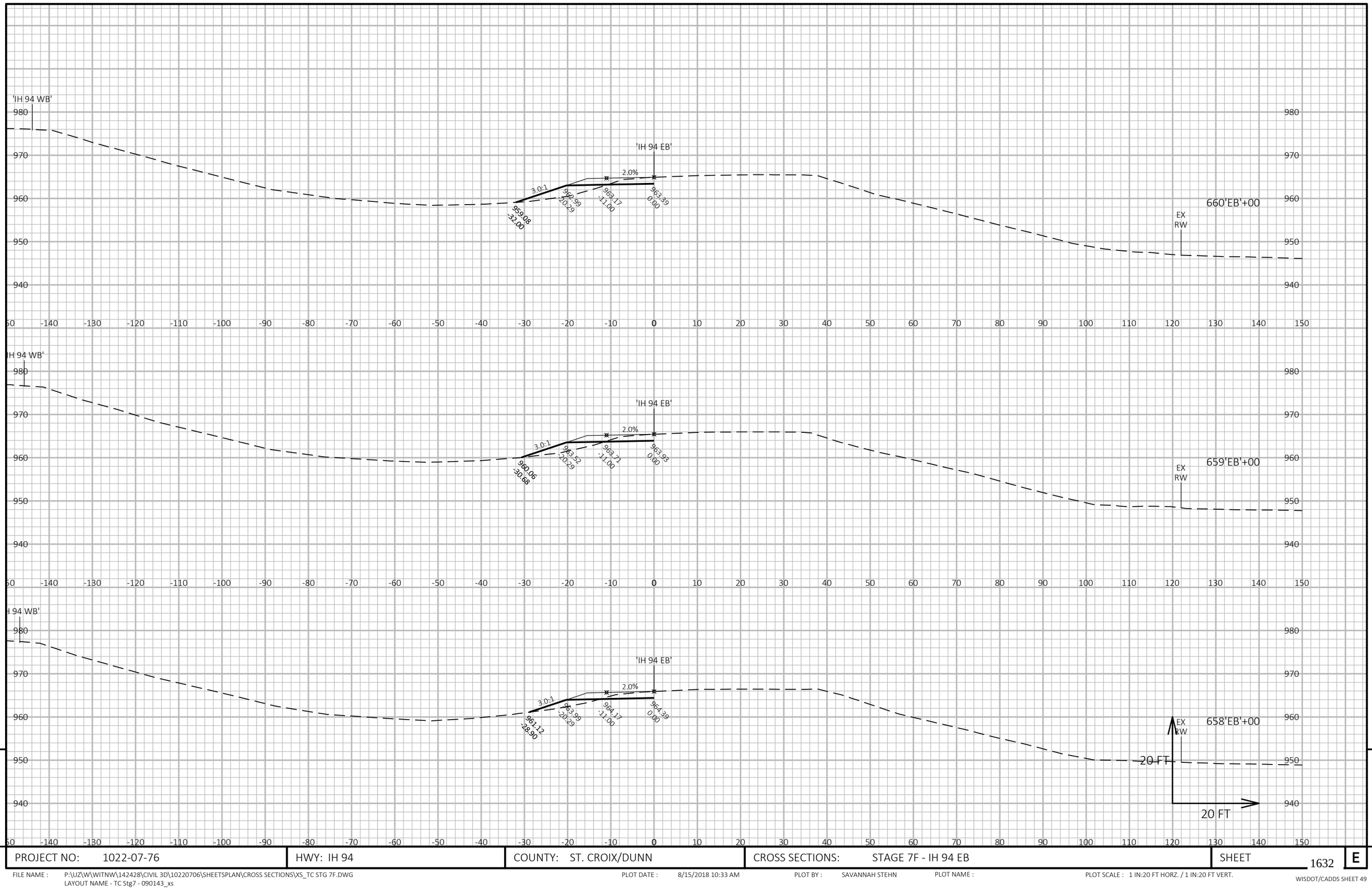
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1631	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090142_xs

PLOT DATE : 8/15/2018 10:33 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



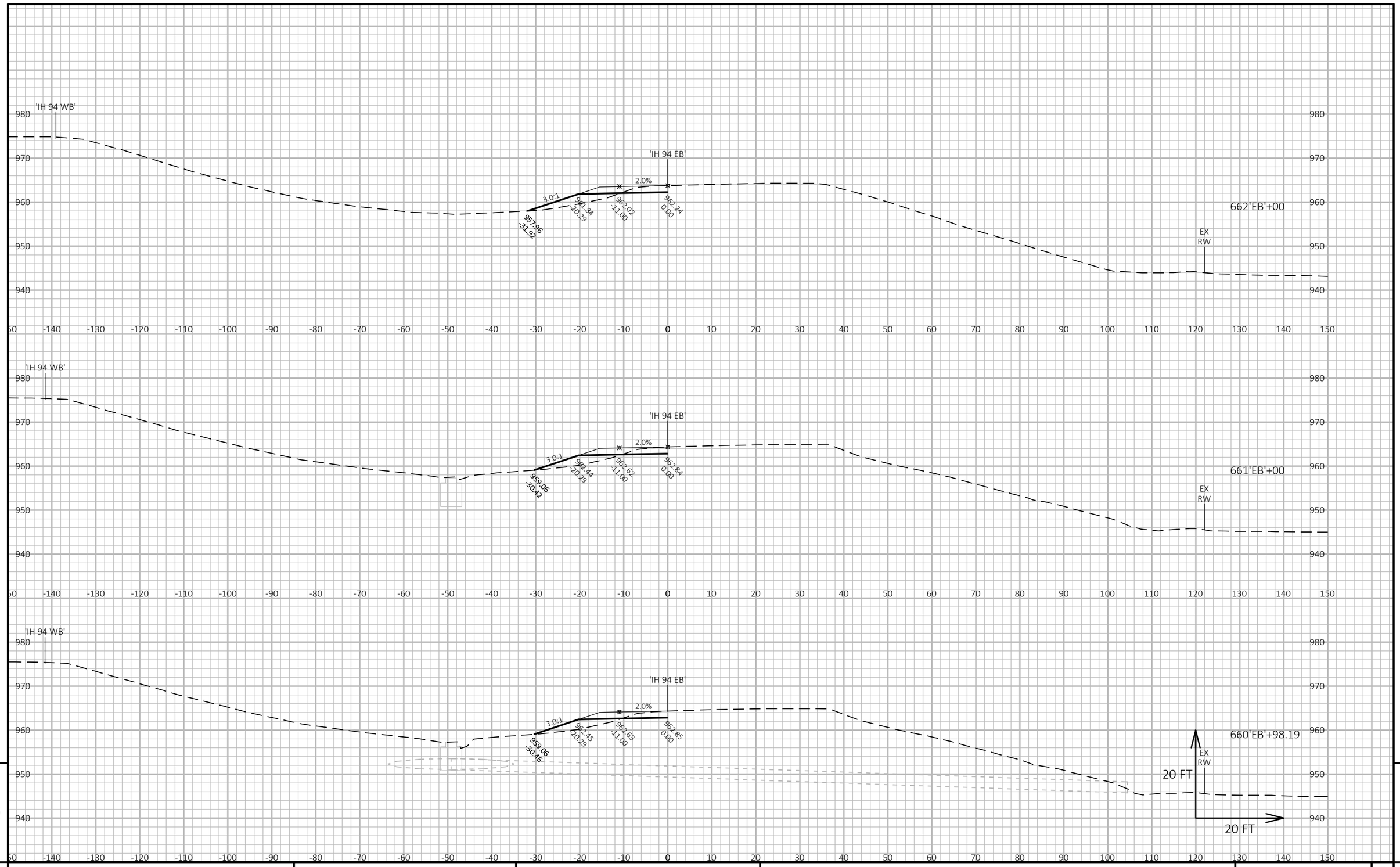
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1632	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090143_xs

PLOT DATE : 8/15/2018 10:33 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



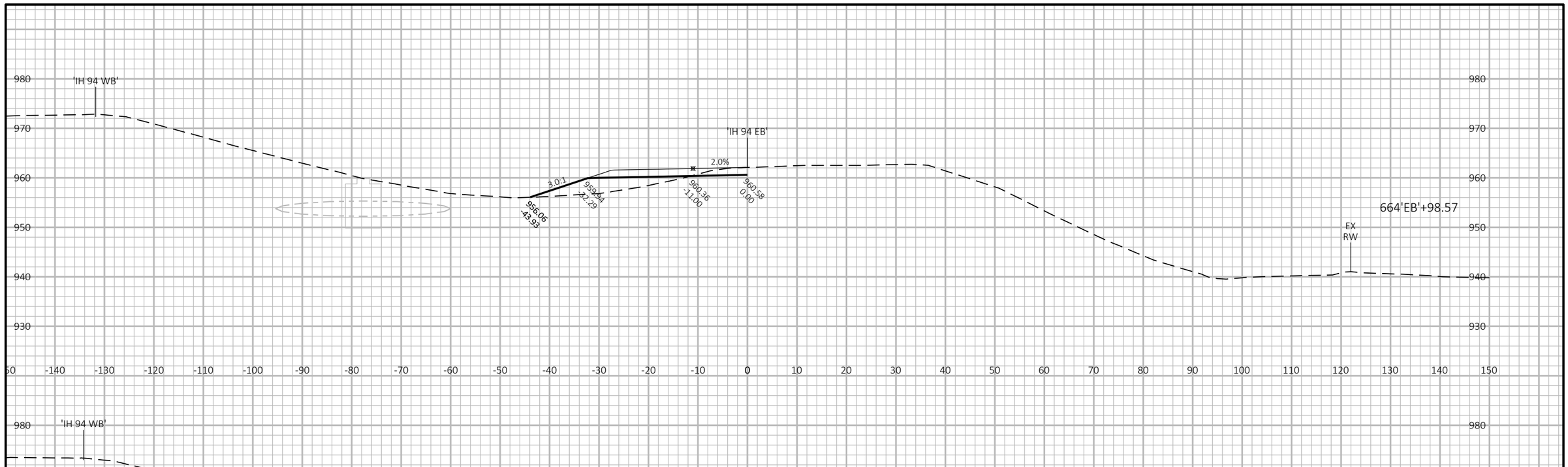
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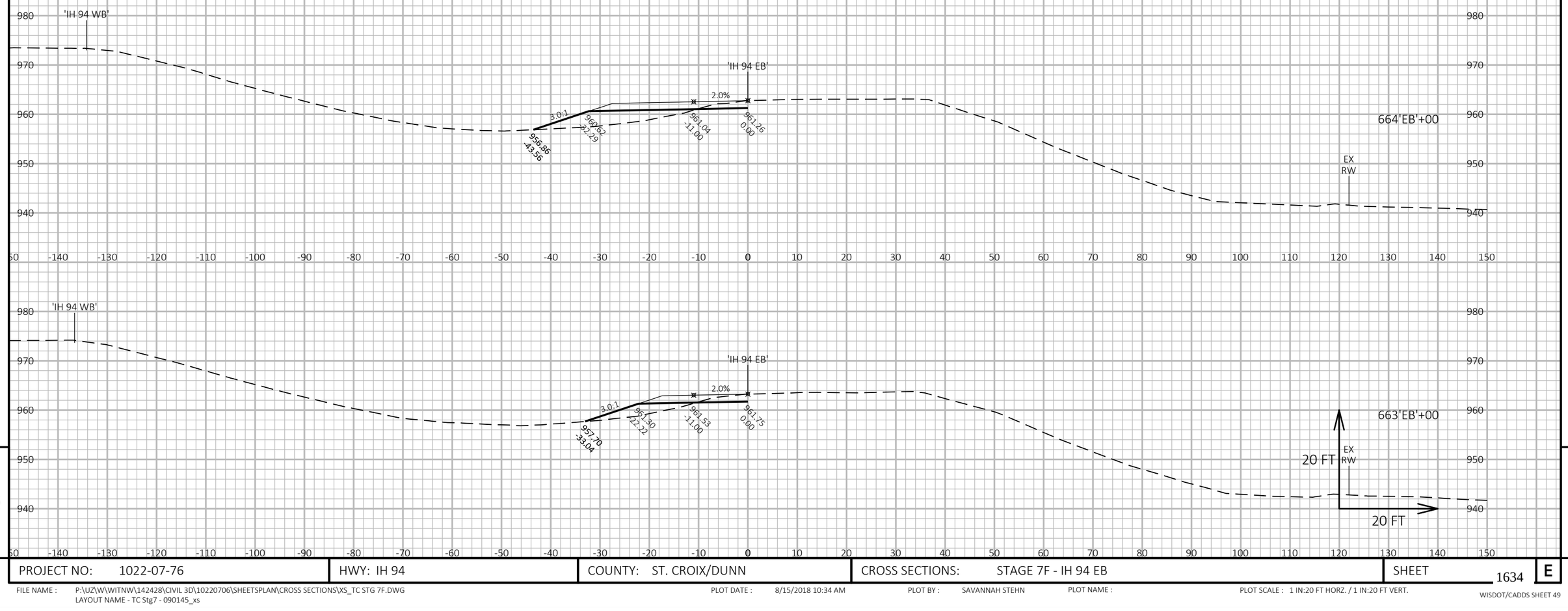
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1633	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090144_xs

PLOT DATE : 8/15/2018 10:34 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





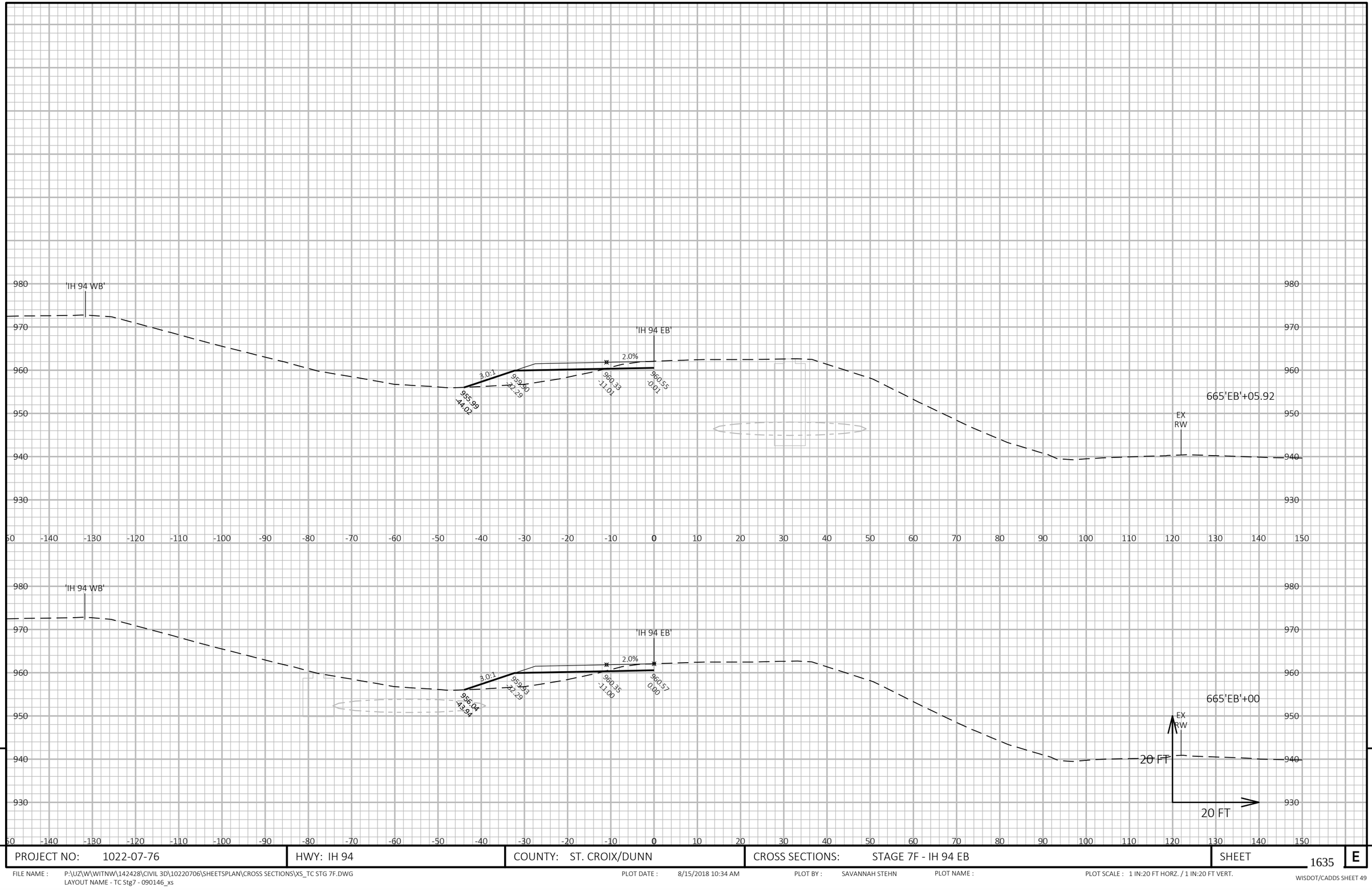
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9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1634	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090145_xs

PLOT DATE : 8/15/2018 10:34 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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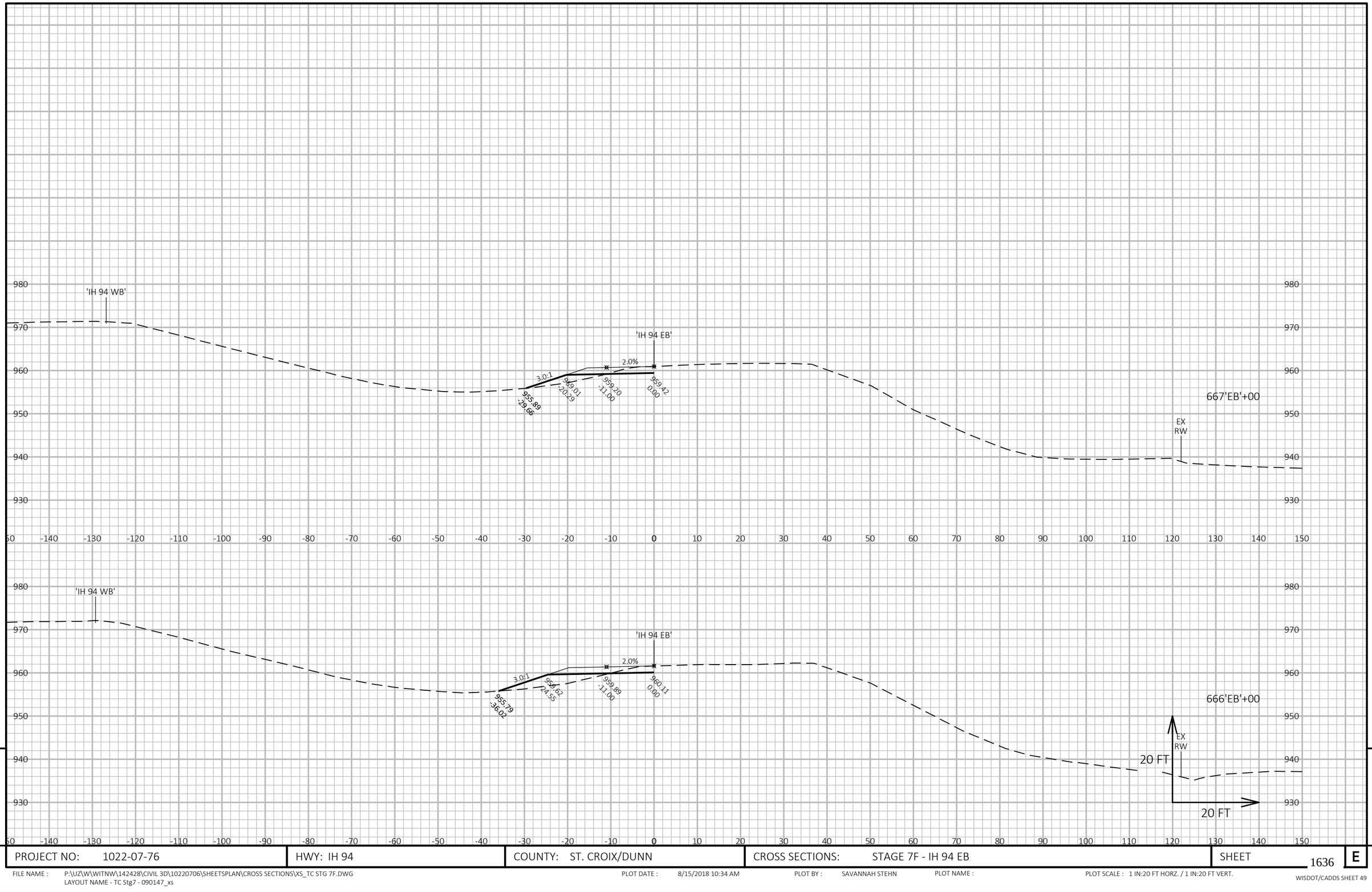
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1635	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090146_xs

PLOT DATE : 8/15/2018 10:34 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

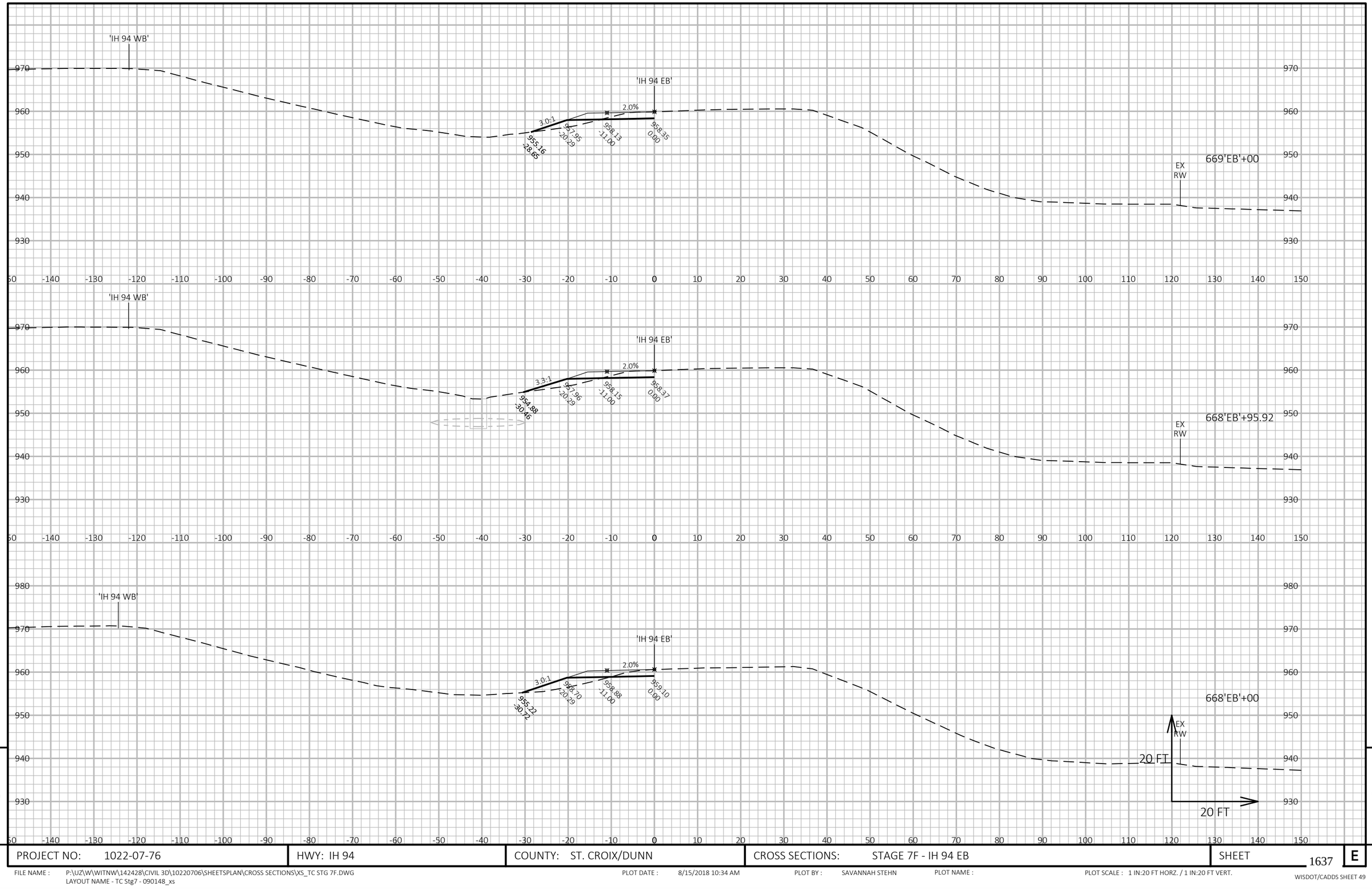
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1636	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090147_xs

PLOT DATE : 8/15/2018 10:34 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



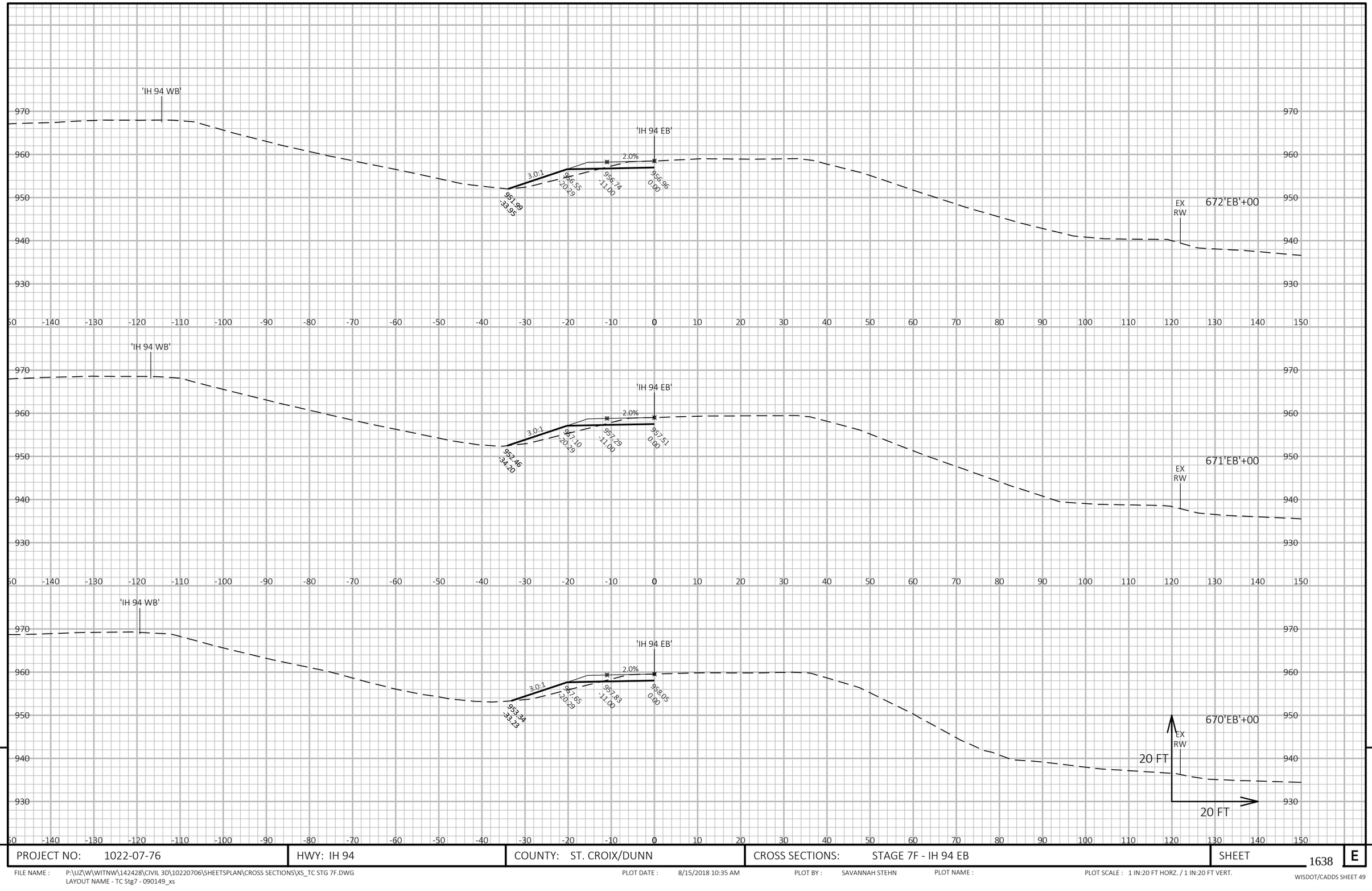
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1637	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090148_xs

PLOT DATE : 8/15/2018 10:34 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



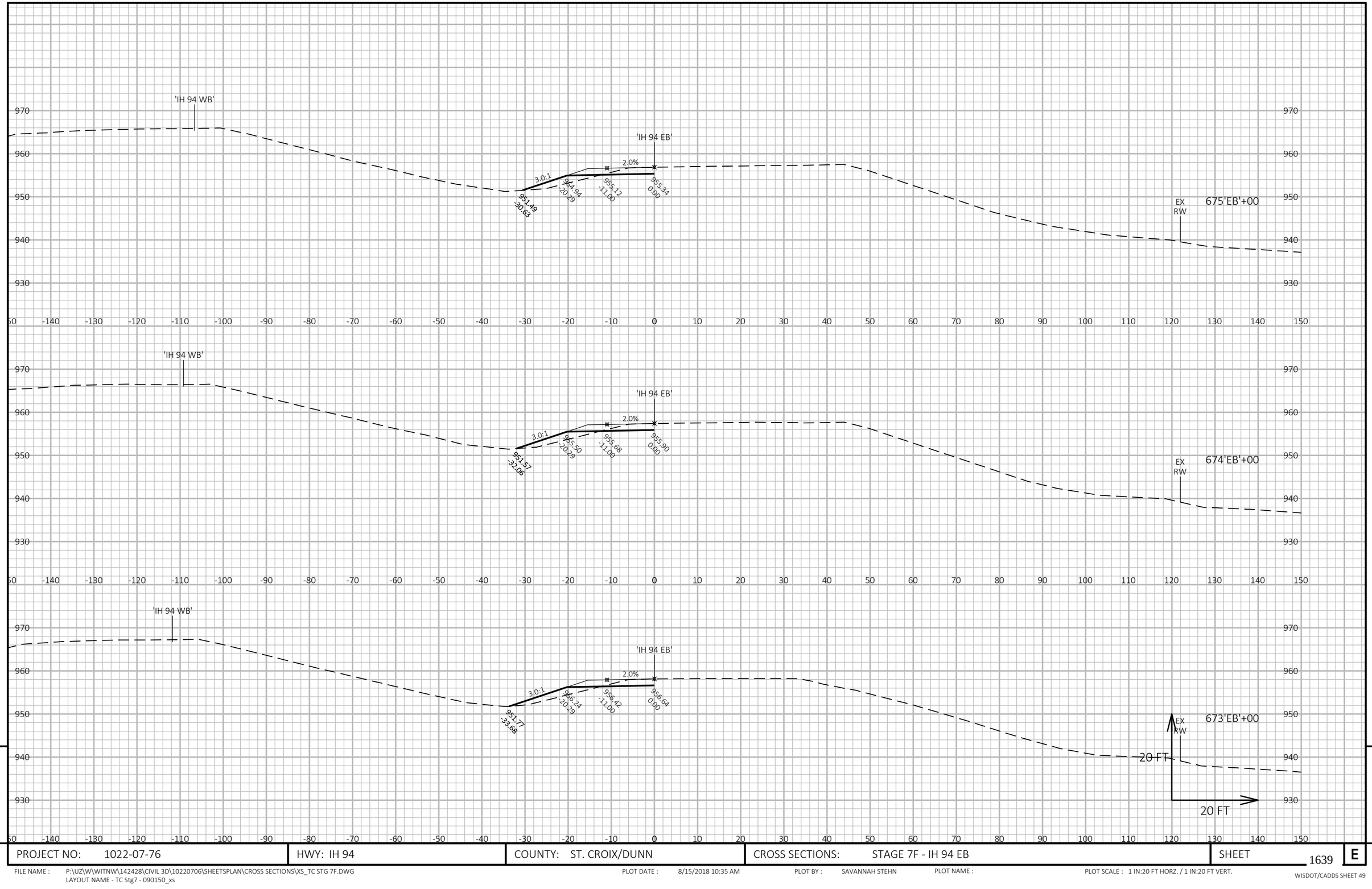
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1638	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090149_xs

PLOT DATE : 8/15/2018 10:35 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



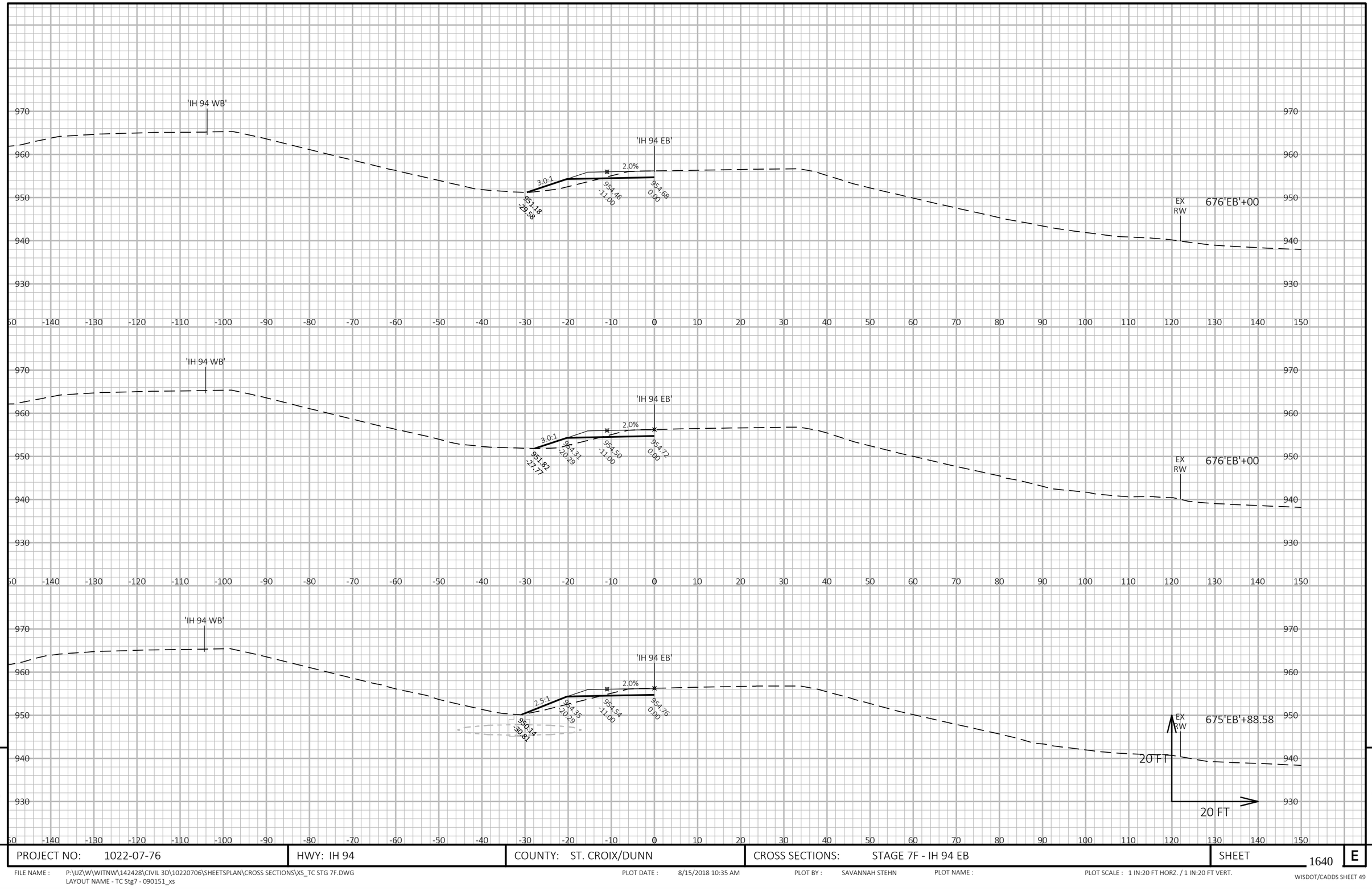
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1639	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090150_xs

PLOT DATE : 8/15/2018 10:35 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



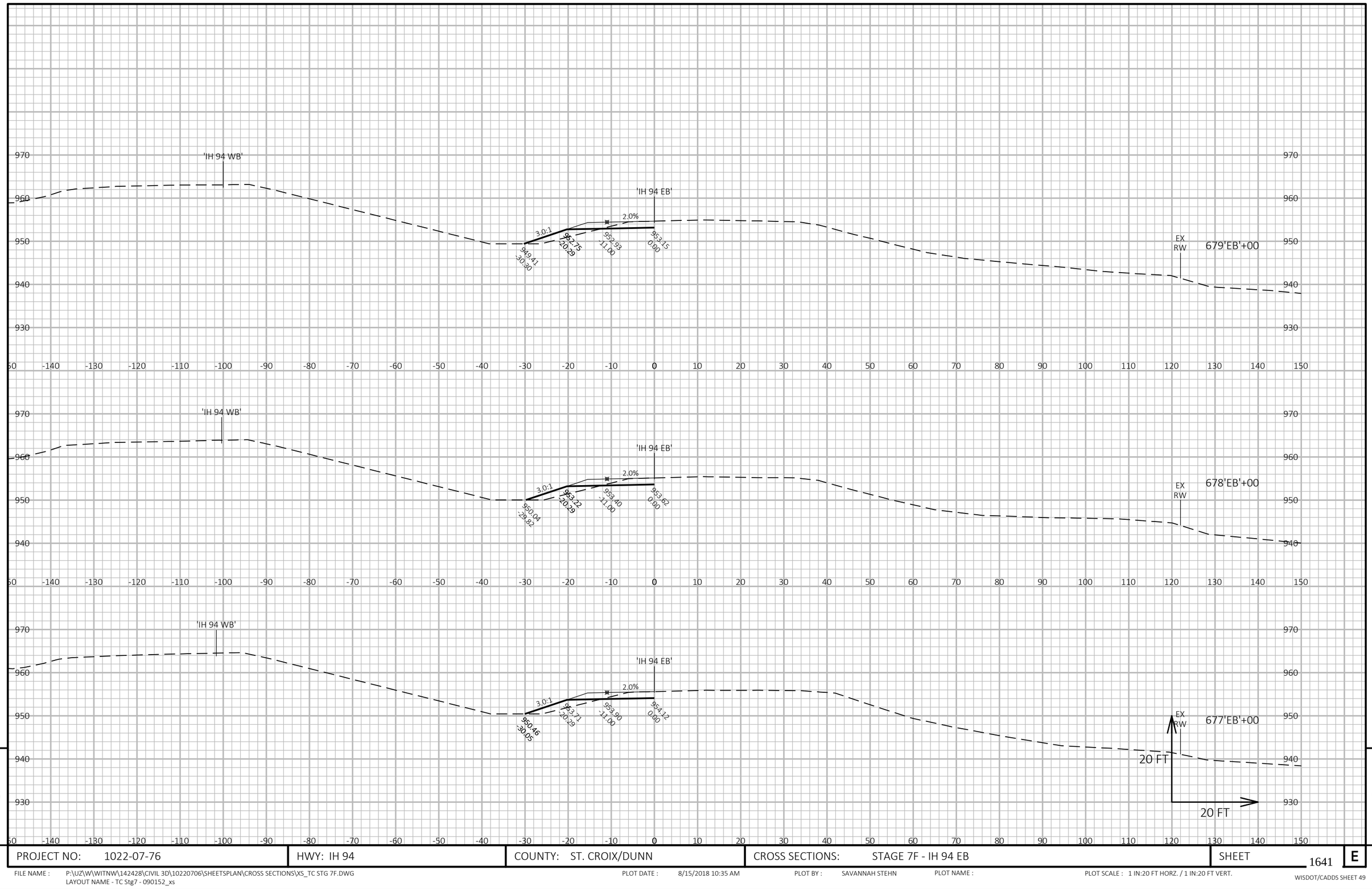
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1640	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090151_xs

PLOT DATE : 8/15/2018 10:35 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



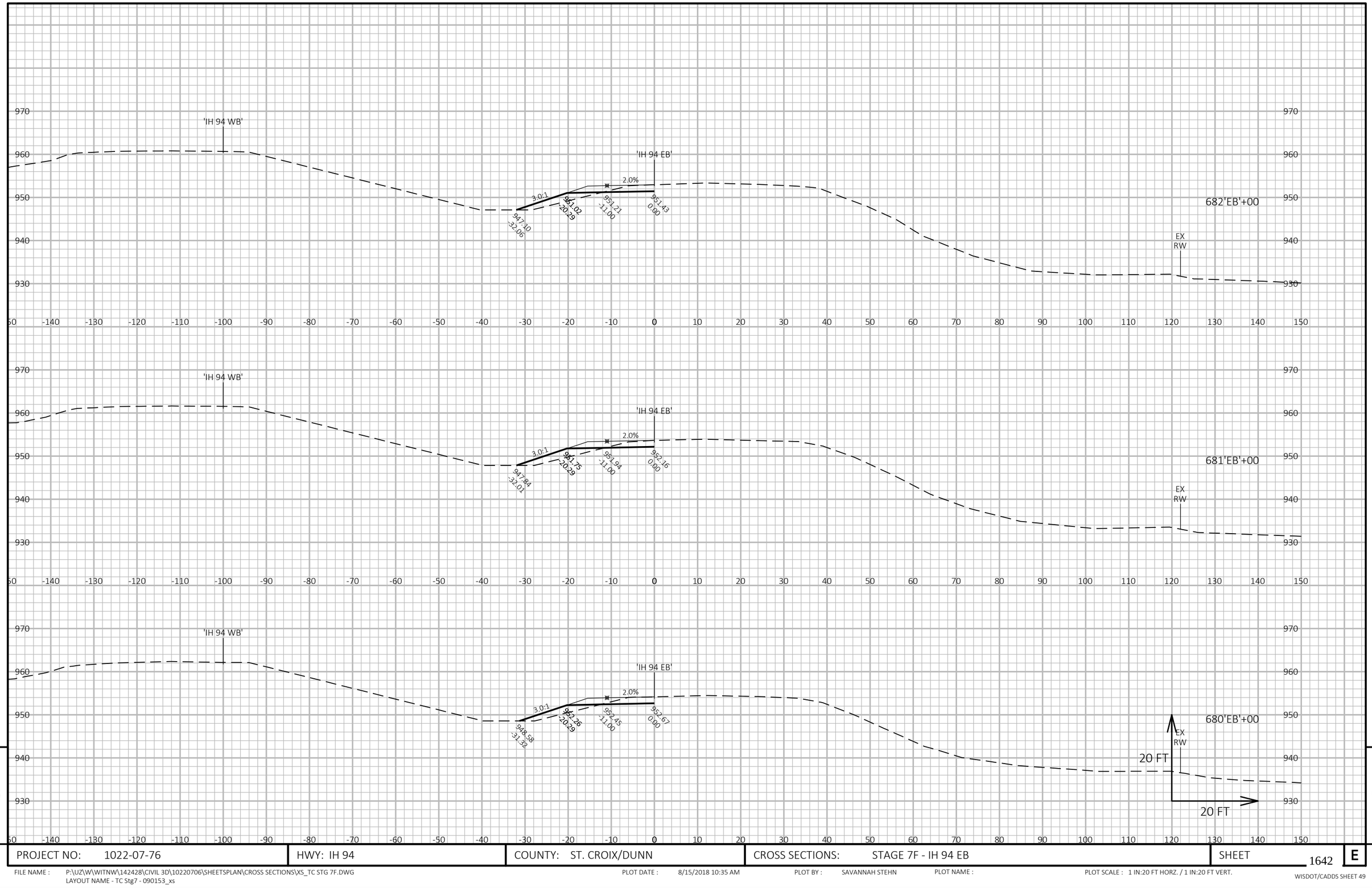
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1641	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090152_xs

PLOT DATE : 8/15/2018 10:35 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



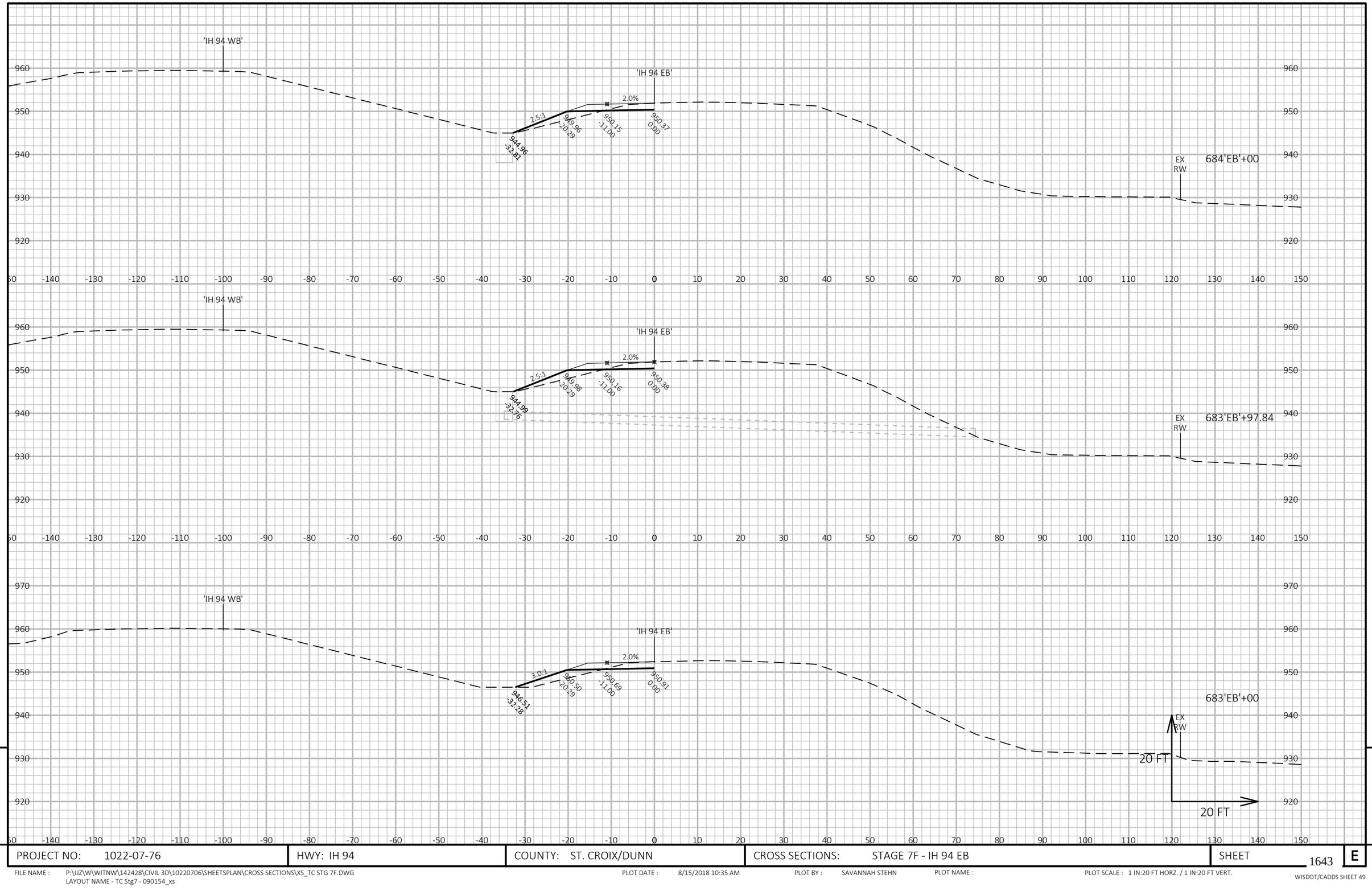
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1642 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090153_xs

PLOT DATE : 8/15/2018 10:35 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



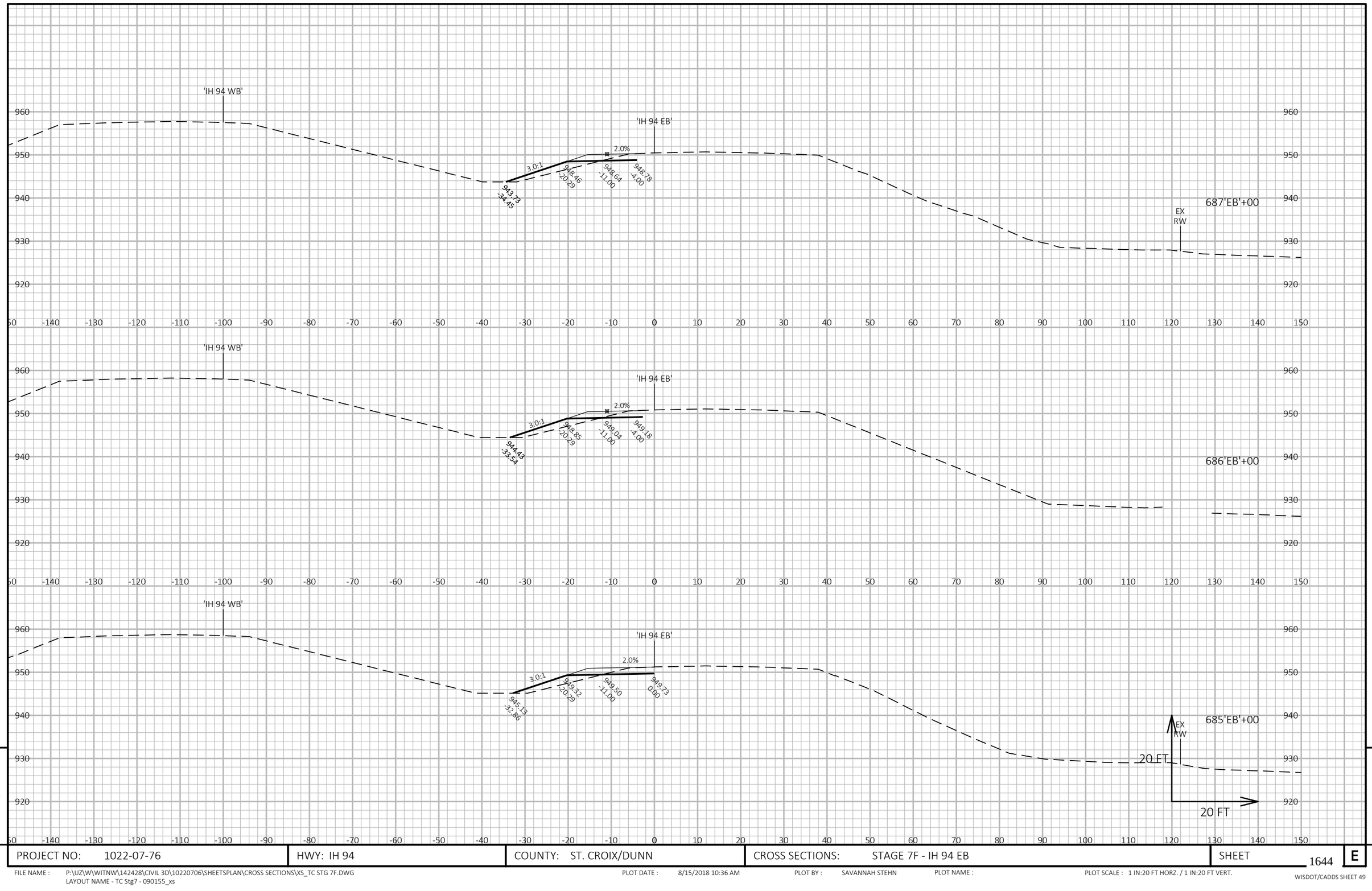
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1643	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090154_xs

PLOT DATE : 8/15/2018 10:35 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



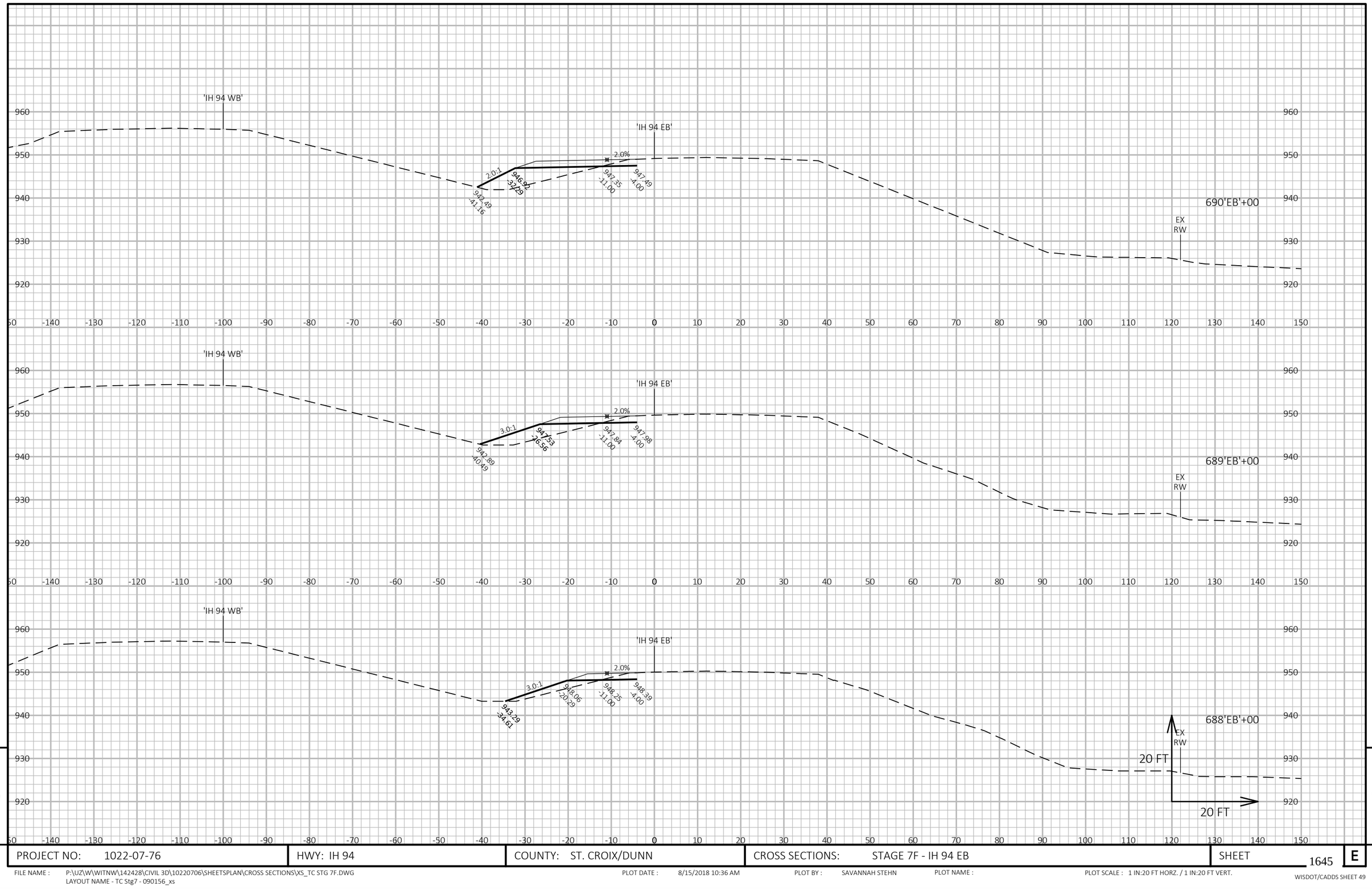
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1644	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090155_xs

PLOT DATE : 8/15/2018 10:36 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1645	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090156_xs

PLOT DATE : 8/15/2018 10:36 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

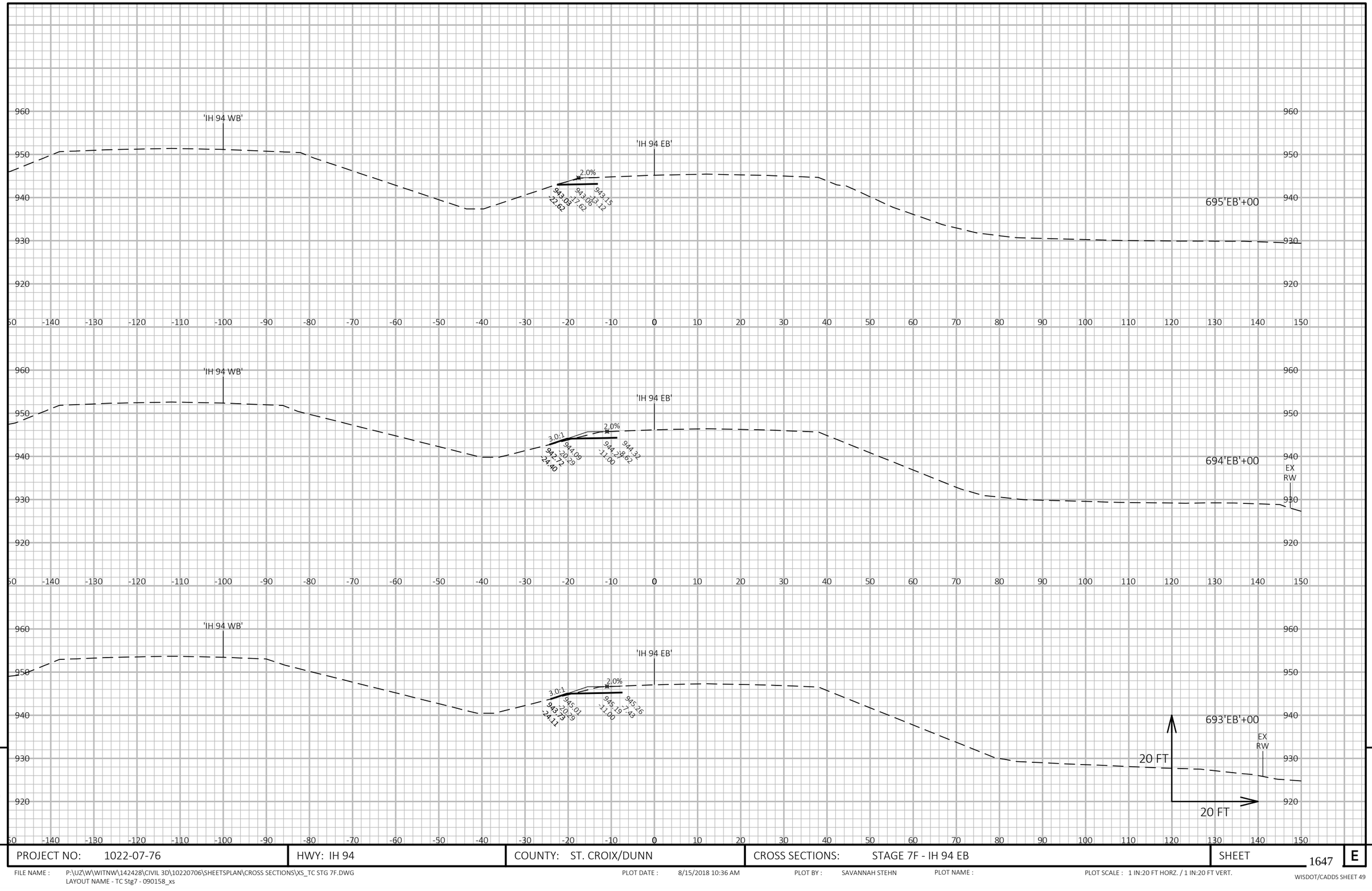
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1646	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090157_xs

PLOT DATE : 8/15/2018 10:36 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

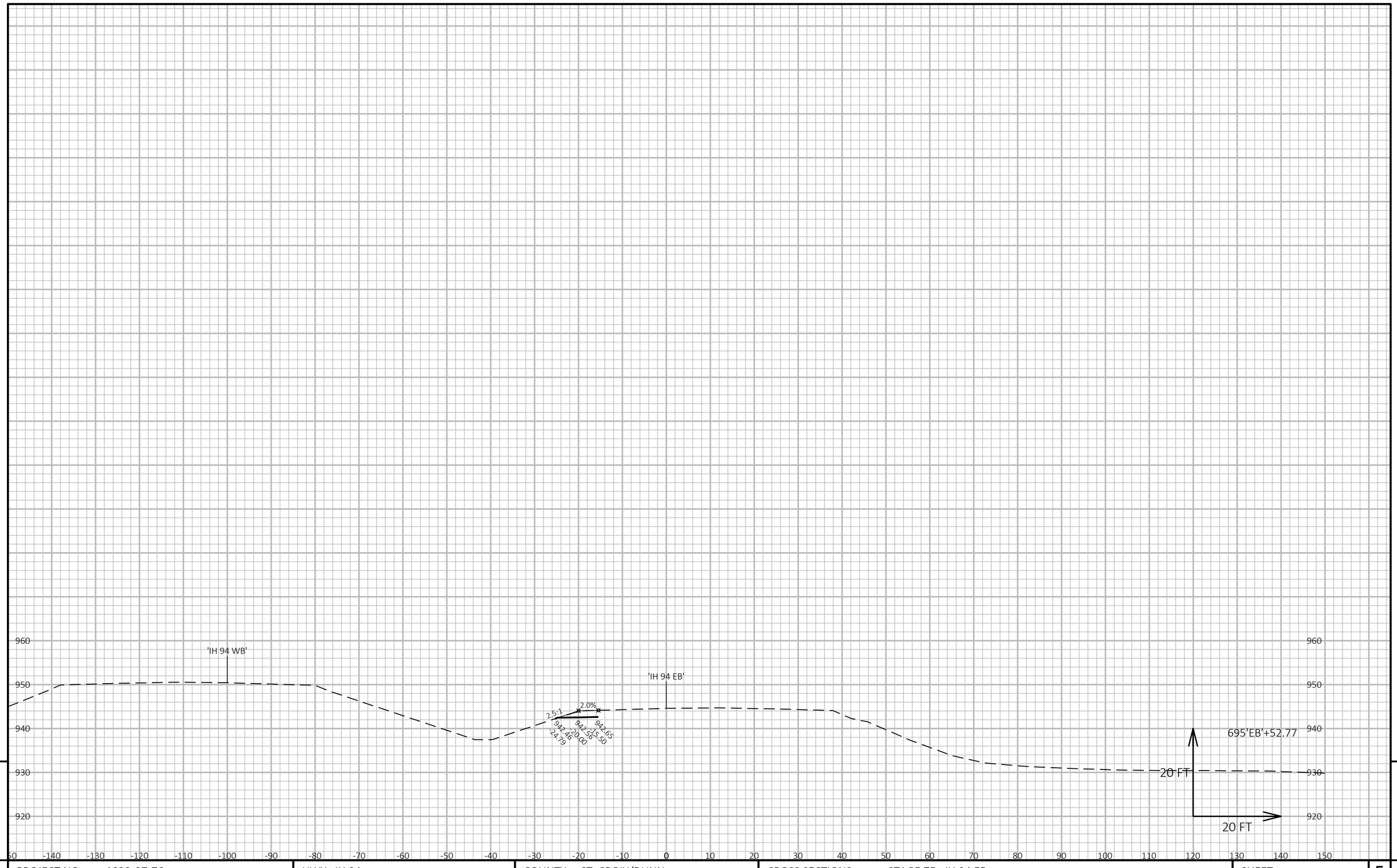


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1647 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090158_xs

PLOT DATE : 8/15/2018 10:36 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1648	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090159_xs

PLOT DATE : 8/15/2018 10:36 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

'IH 94 WB'

'IH 94 EB'

3.0:1

2.0%

930.91
931.38
931.48
931.57
23.59
22.20
17.91
15.91

EX RW

703'EB'+00

940
930
920

-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

'IH 94 WB'

'IH 94 EB'

3.0:1

2.0%

931.91
932.66
932.75
932.84
27.04
24.79
20.00
15.50

20 FT

702'EB'+35.35

20 FT

940
930
920

-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

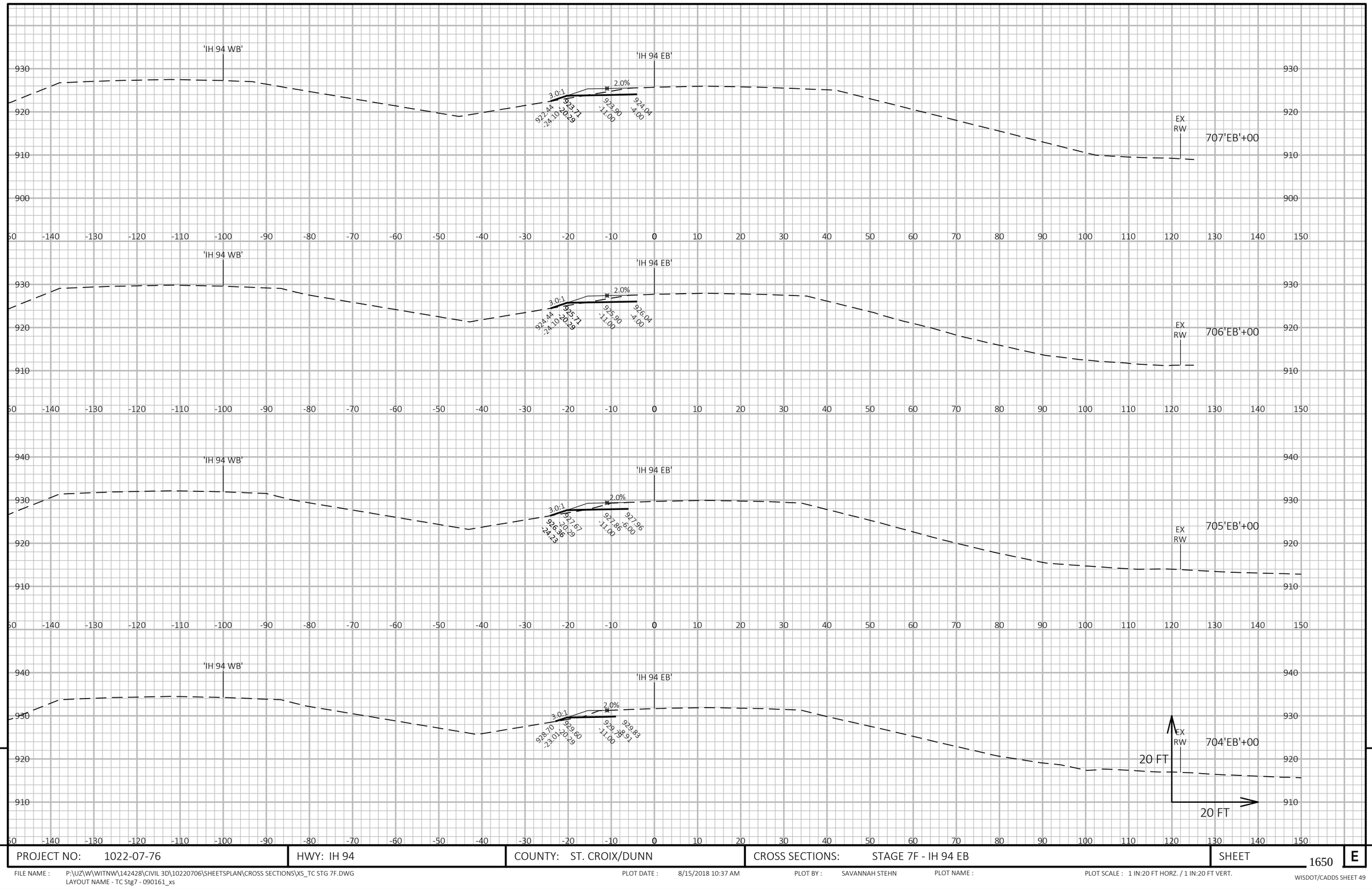
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1649	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090160_xs

PLOT DATE : 8/15/2018 10:36 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



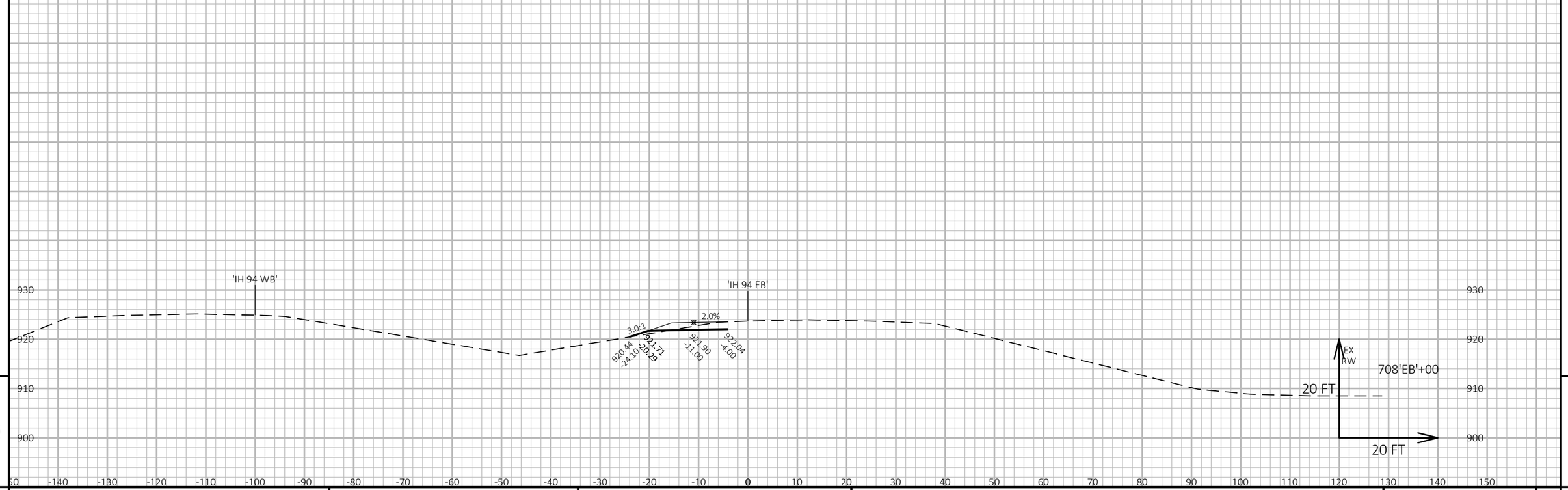
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1650	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090161_xs

PLOT DATE : 8/15/2018 10:37 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



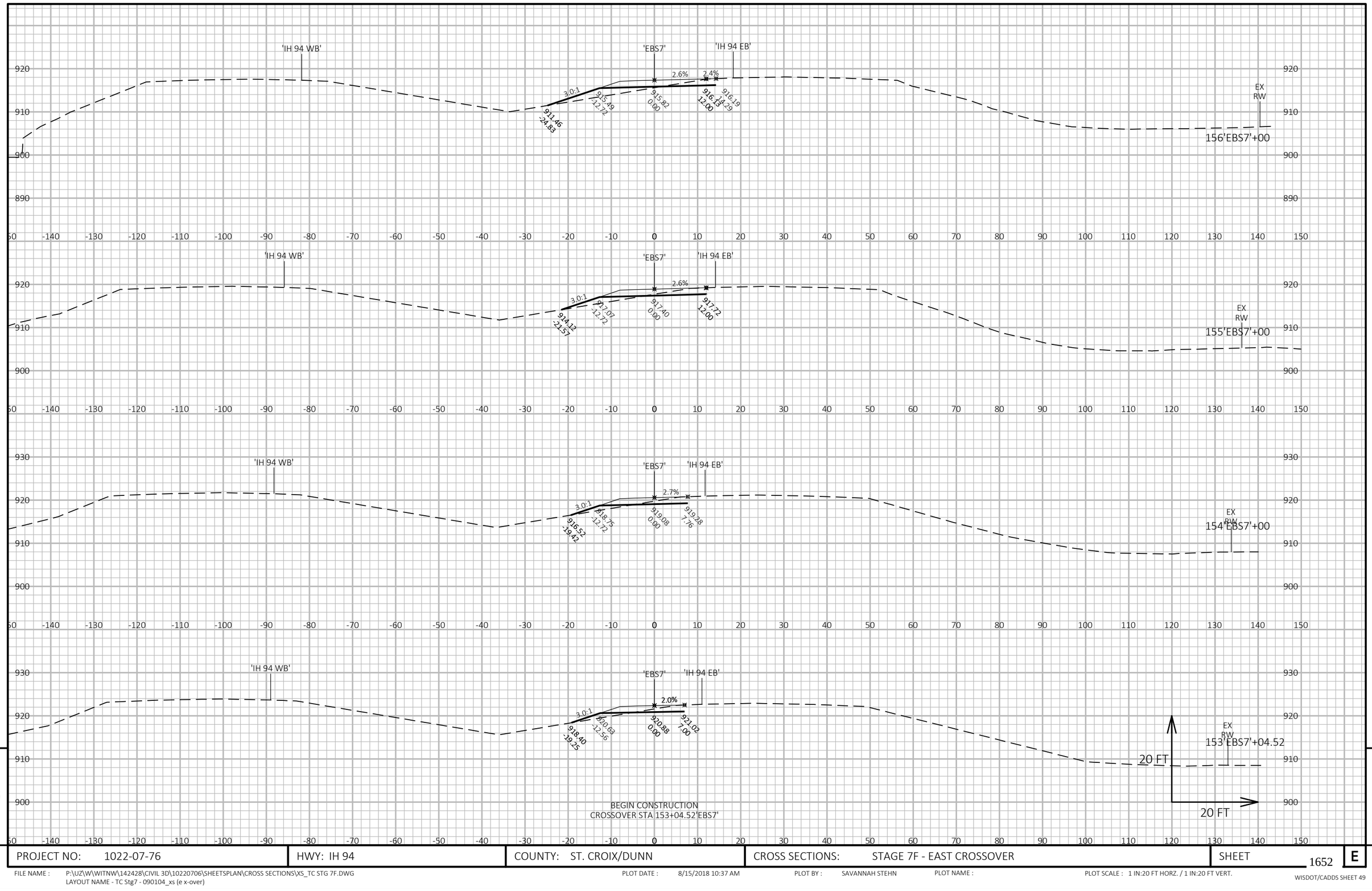
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - IH 94 EB	SHEET 1651	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090162_xs

PLOT DATE : 8/15/2018 10:37 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

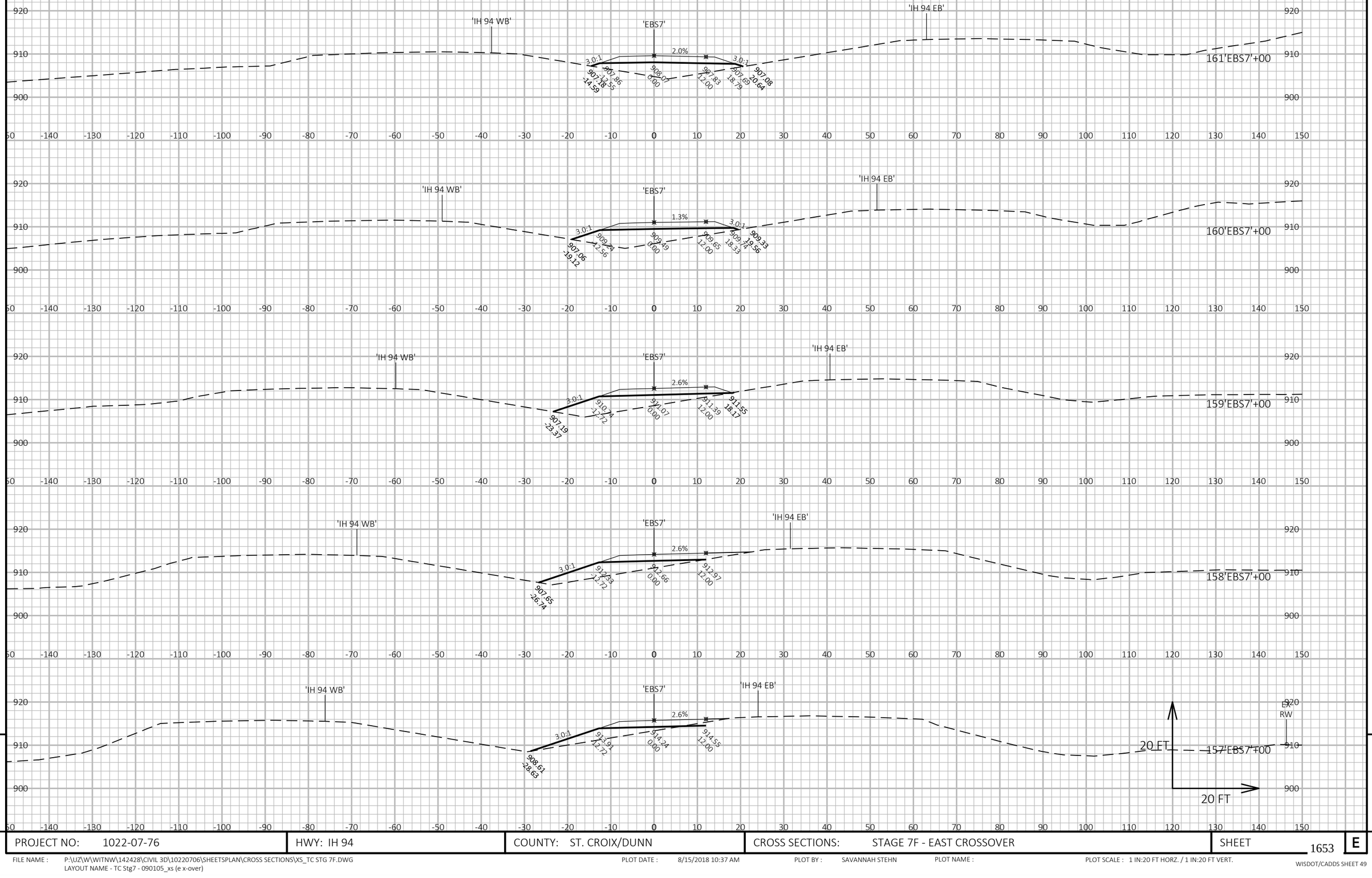


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - EAST CROSSOVER	SHEET 1652	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090104_xs (e x-over)

PLOT DATE : 8/15/2018 10:37 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



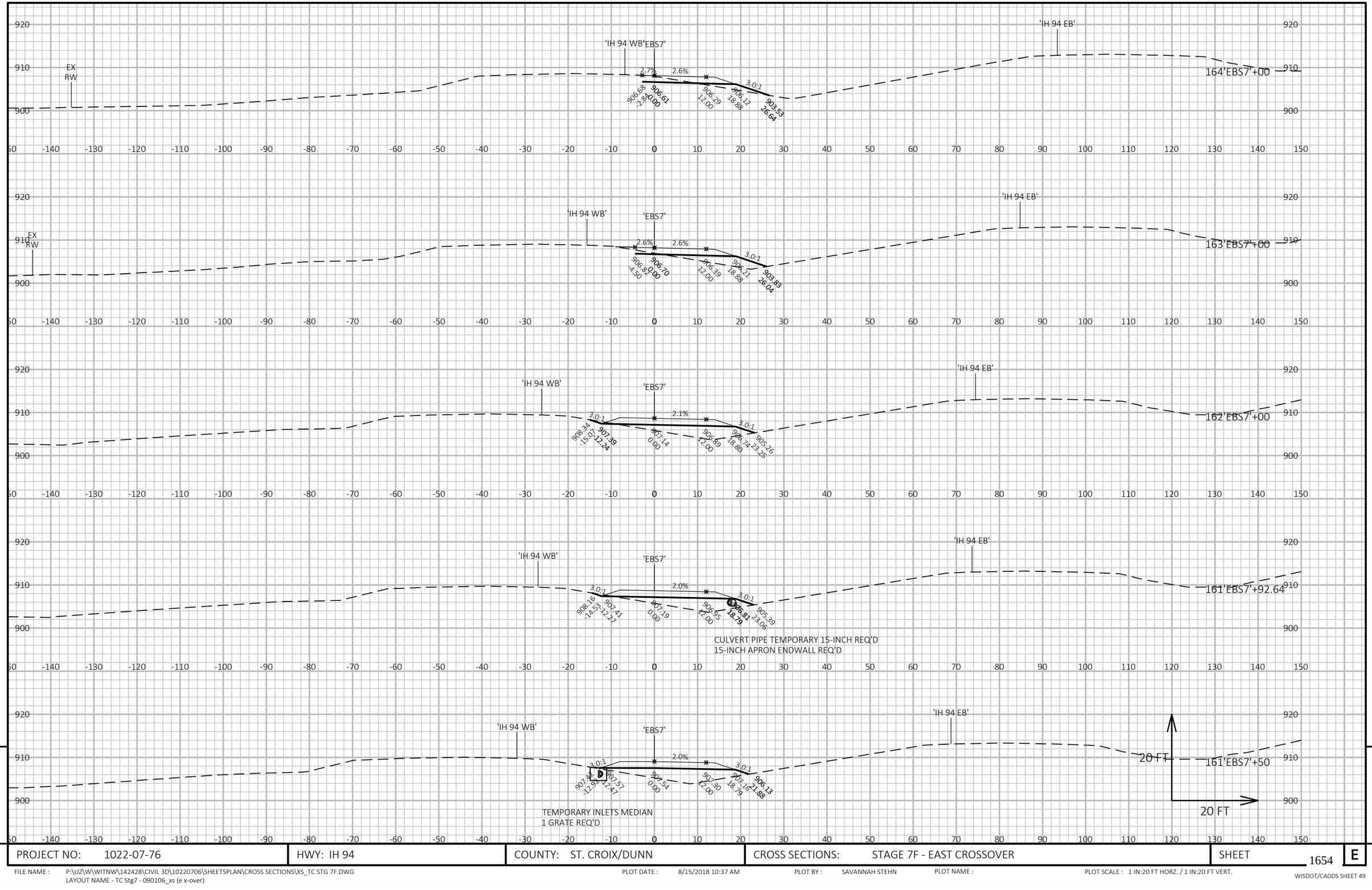
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9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - EAST CROSSOVER	SHEET 1653	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090105_xs (e x-over)

PLOT DATE : 8/15/2018 10:37 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



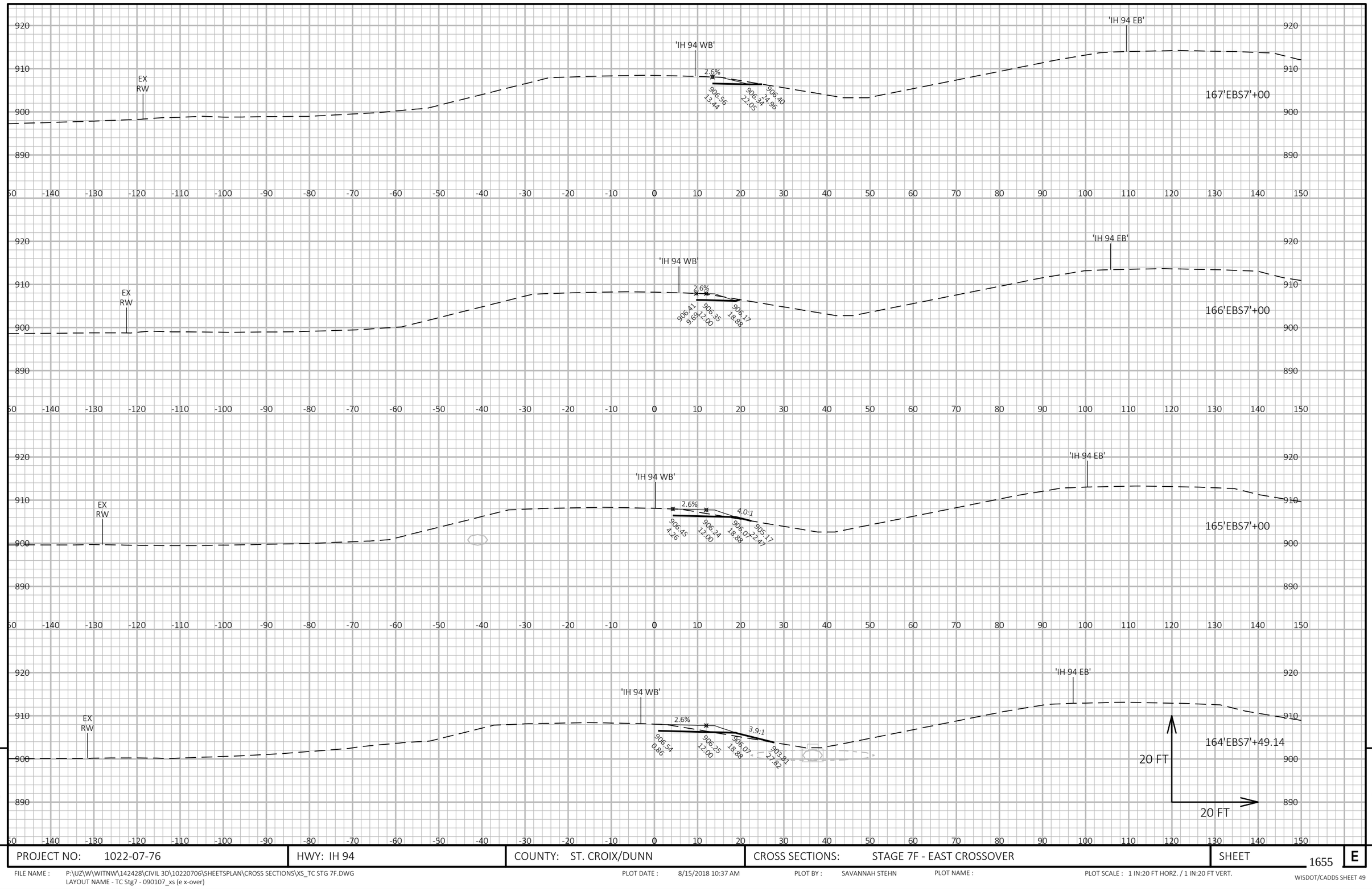
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - EAST CROSSOVER	SHEET 1654	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090106_xs (e x-over)

PLOT DATE : 8/15/2018 10:37 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - EAST CROSSOVER	SHEET 1655	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090107_xs (e x-over)

PLOT DATE : 8/15/2018 10:37 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
CROSSOVER STA 167+20.30'EBS7'

'IH 94 WB'

'IH 94 EB'

EX
RW

2.6%

906.62
14.00

906.40
22.71

906.45
25.54

167'EBS7'+20.30

20 FT

20 FT

920
910
900
890

-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

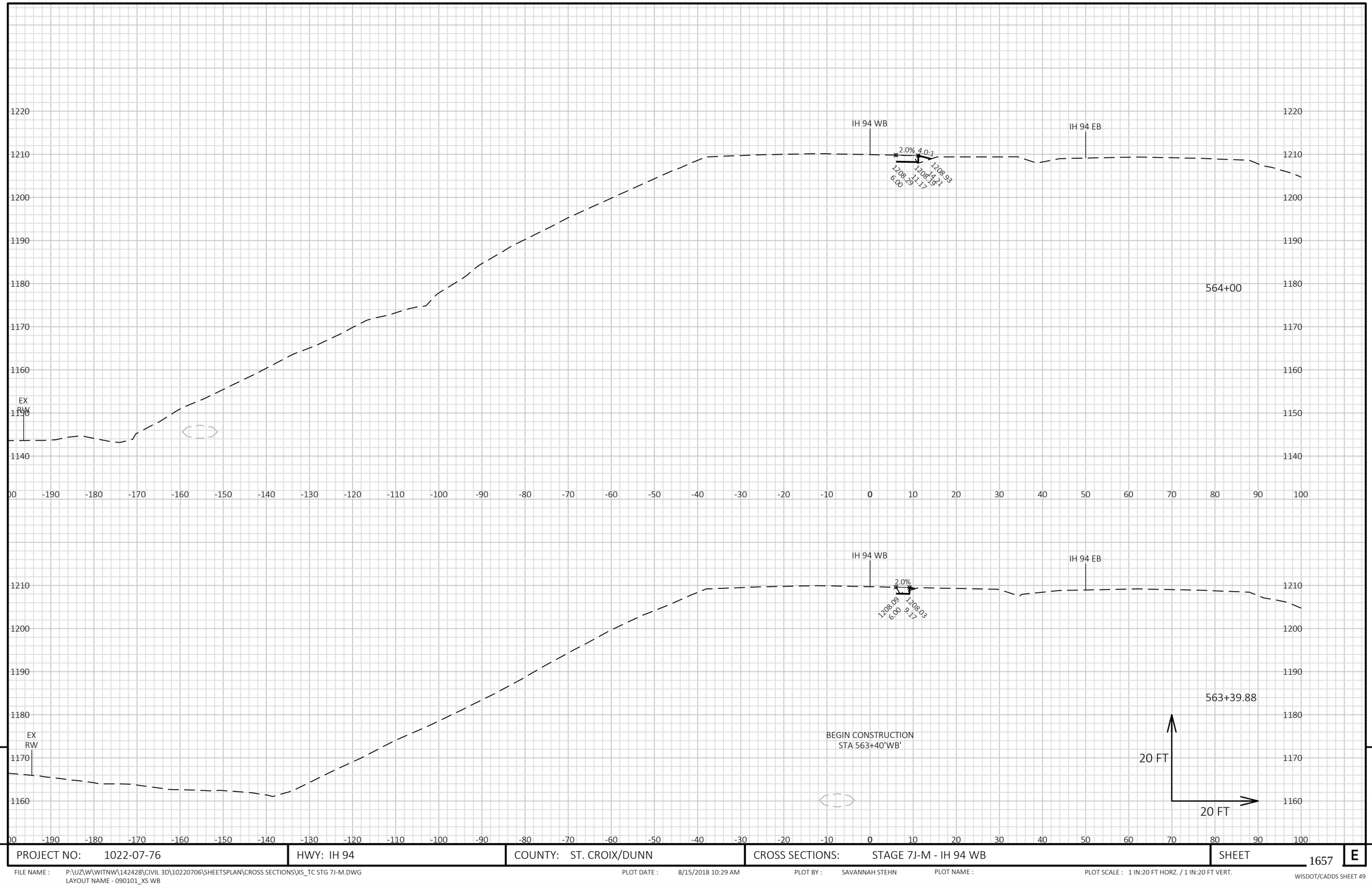
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9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7F - EAST CROSSOVER	SHEET 1656	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7F.DWG
LAYOUT NAME - TC Stg7 - 090108_xs (e x-over)

PLOT DATE : 8/15/2018 10:38 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

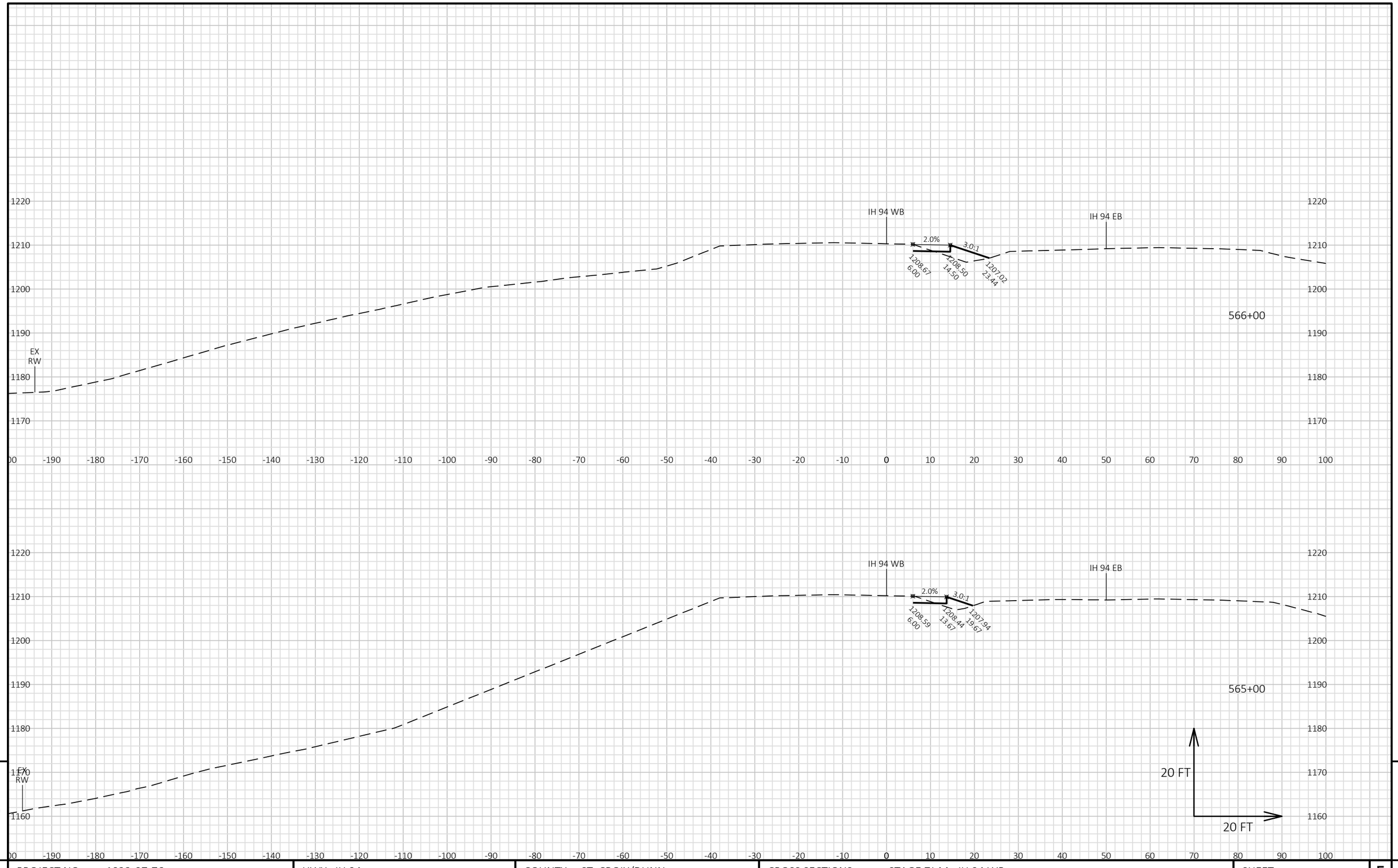
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1657	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090101_XS WB

PLOT DATE : 8/15/2018 10:29 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



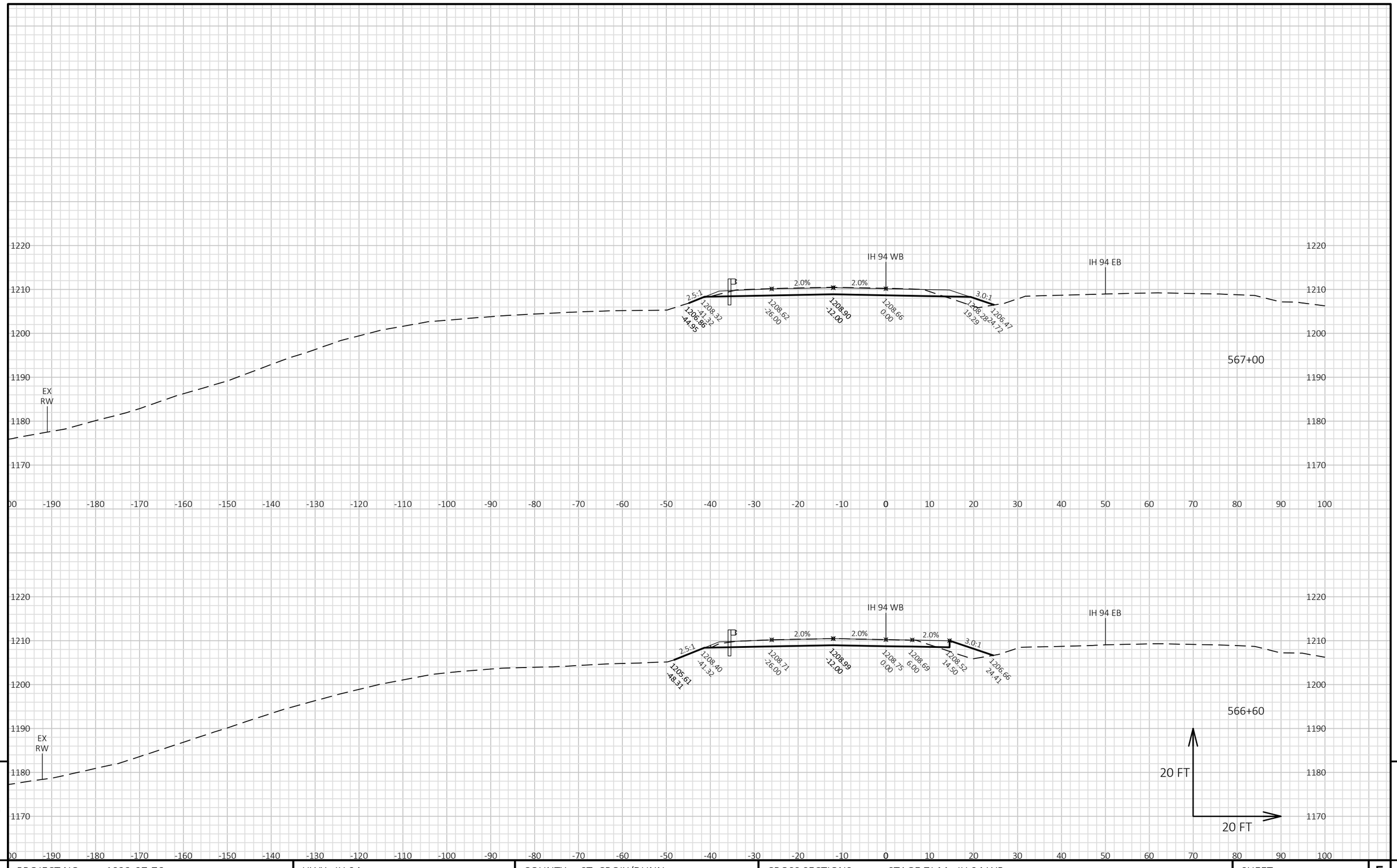
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9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1658	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090102_XS WB

PLOT DATE : 8/15/2018 10:29 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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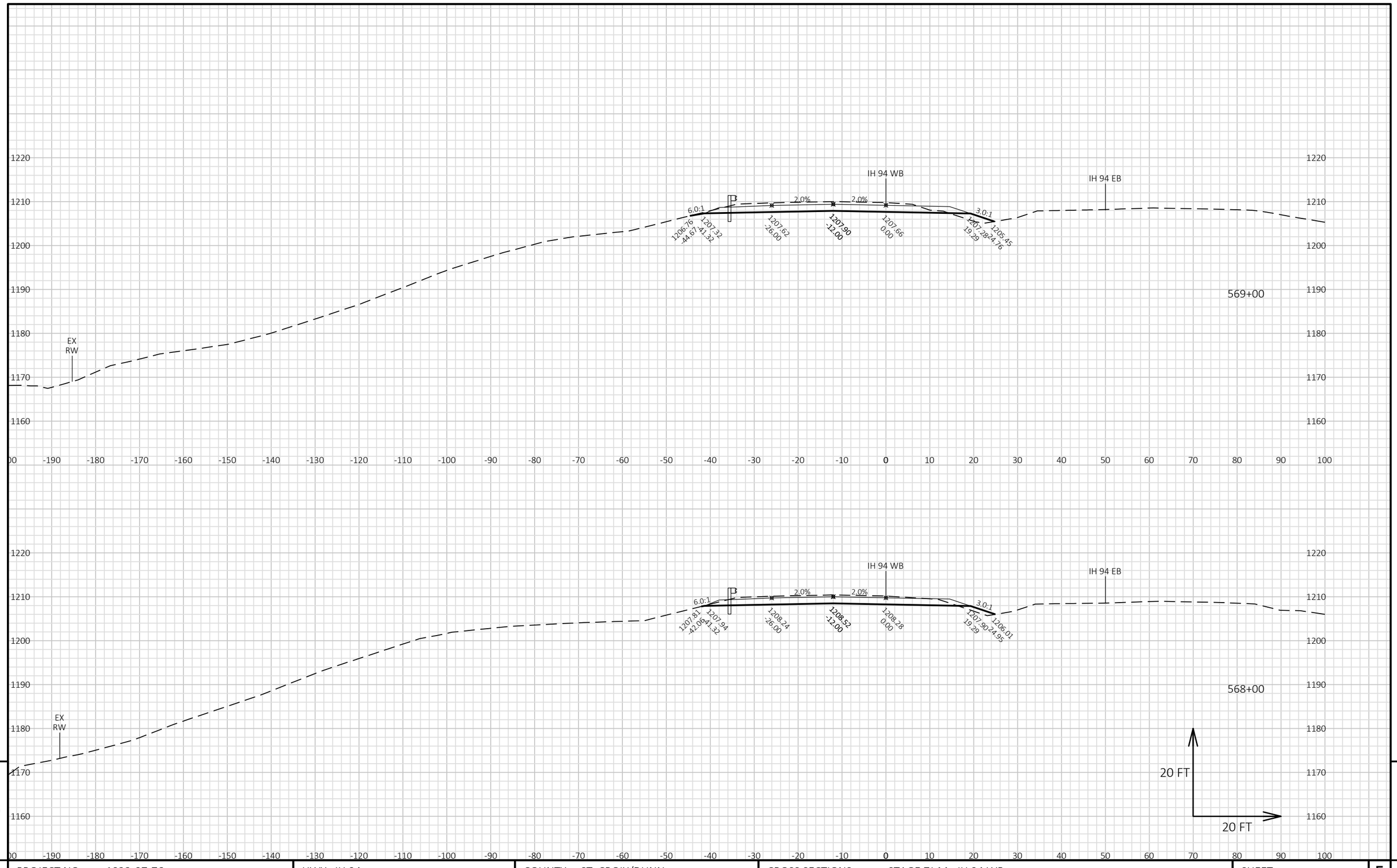
9

PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1659	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090103_XS WB

PLOT DATE : 8/15/2018 10:29 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

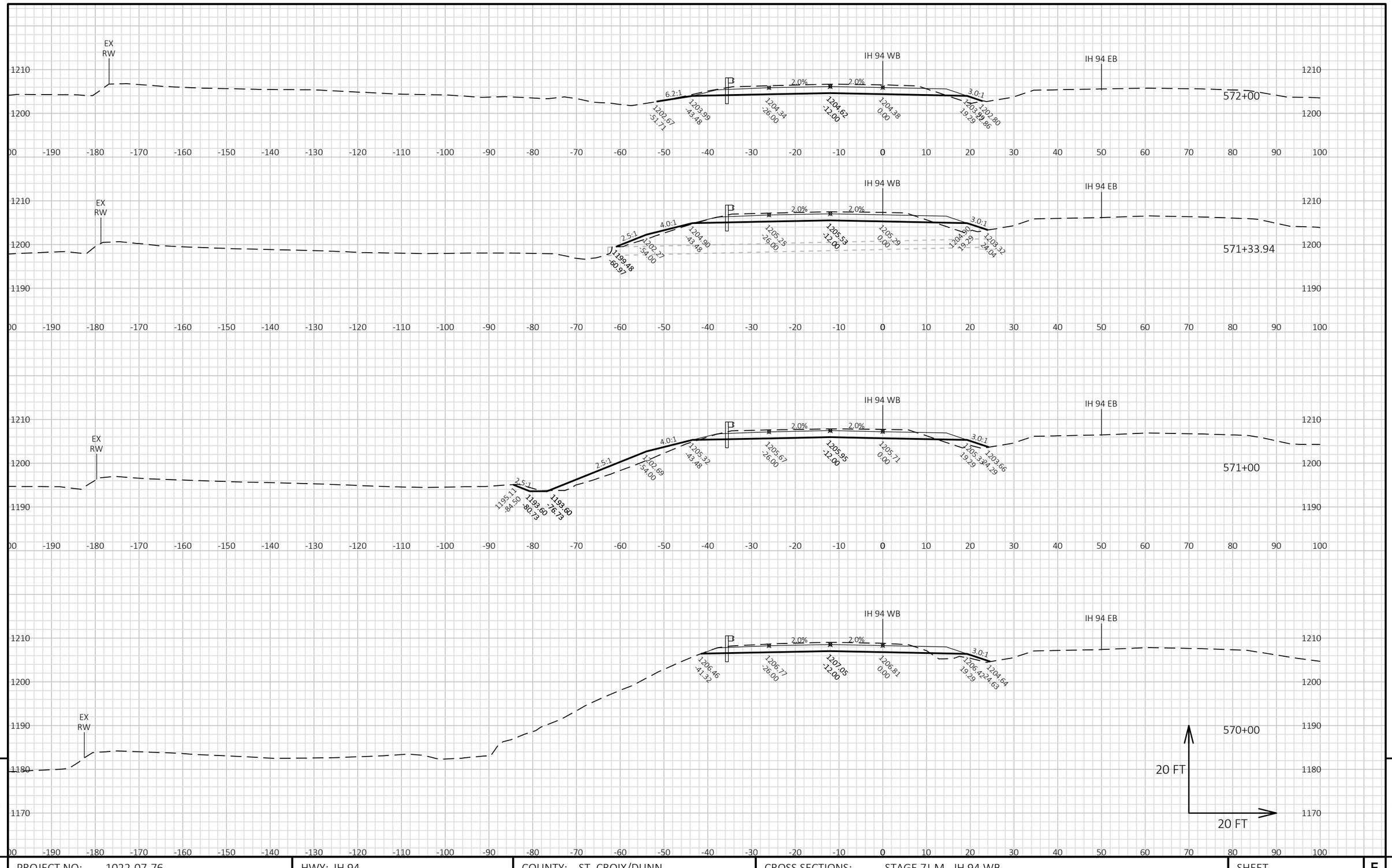


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1660 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090104_XS WB

PLOT DATE : 8/15/2018 10:29 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

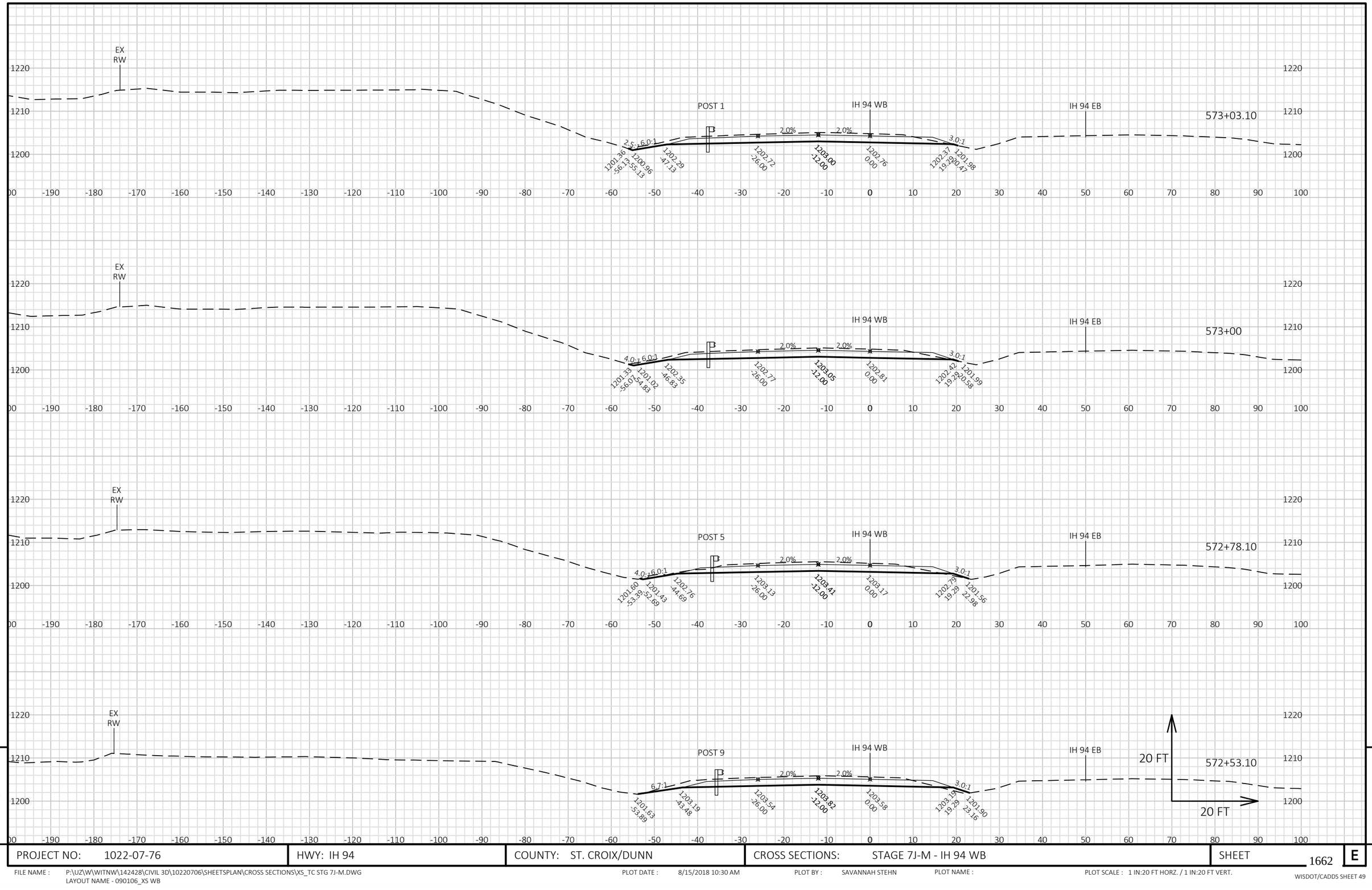


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1661 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090105_XS WB

PLOT DATE : 8/15/2018 10:29 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



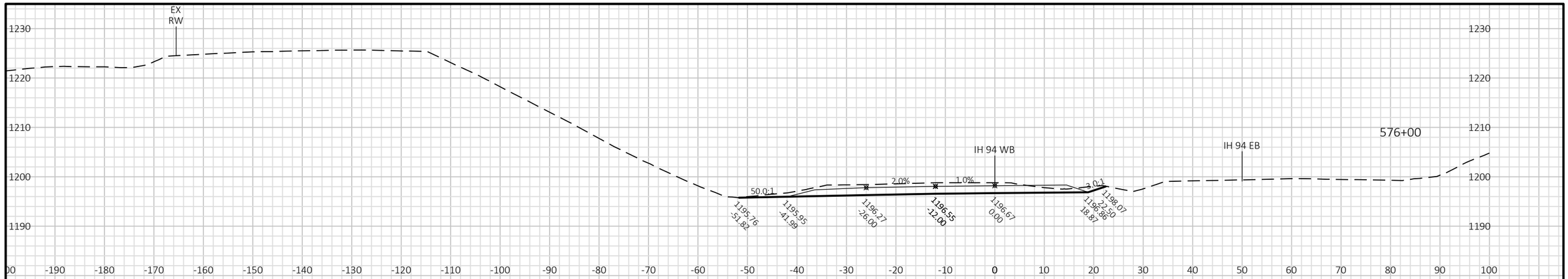
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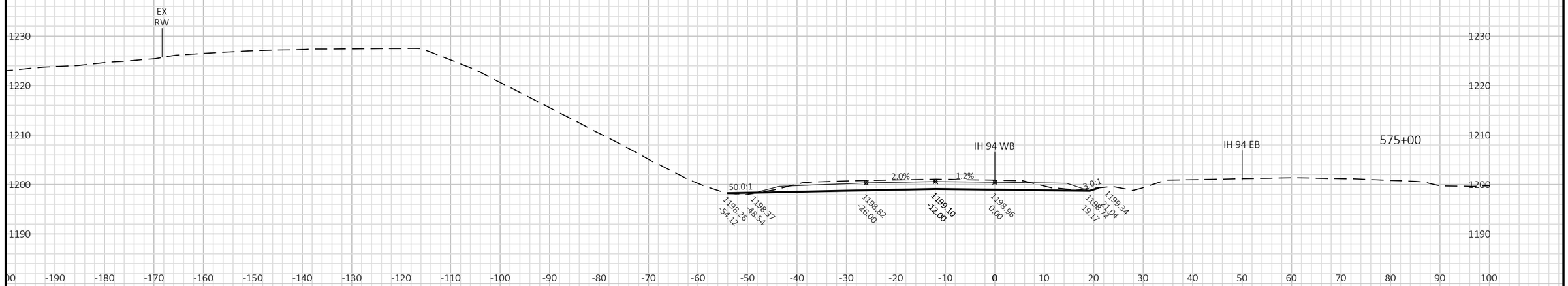
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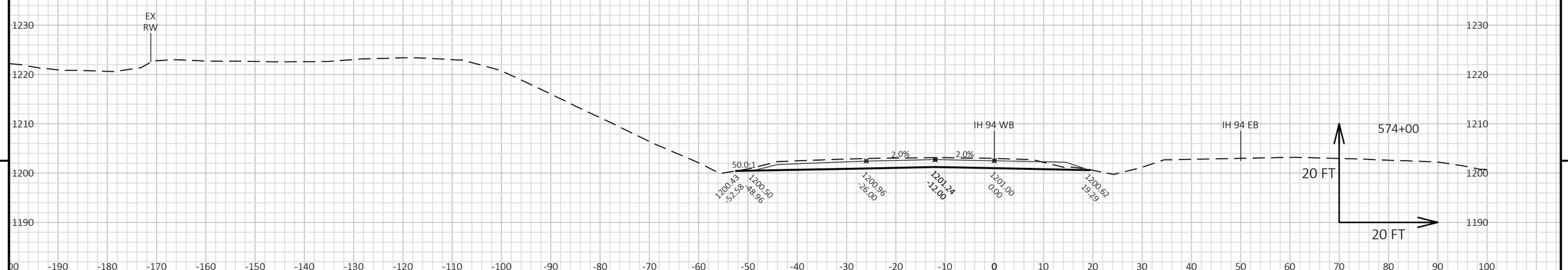
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1662	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090106_XS WB

PLOT DATE : 8/15/2018 10:30 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.







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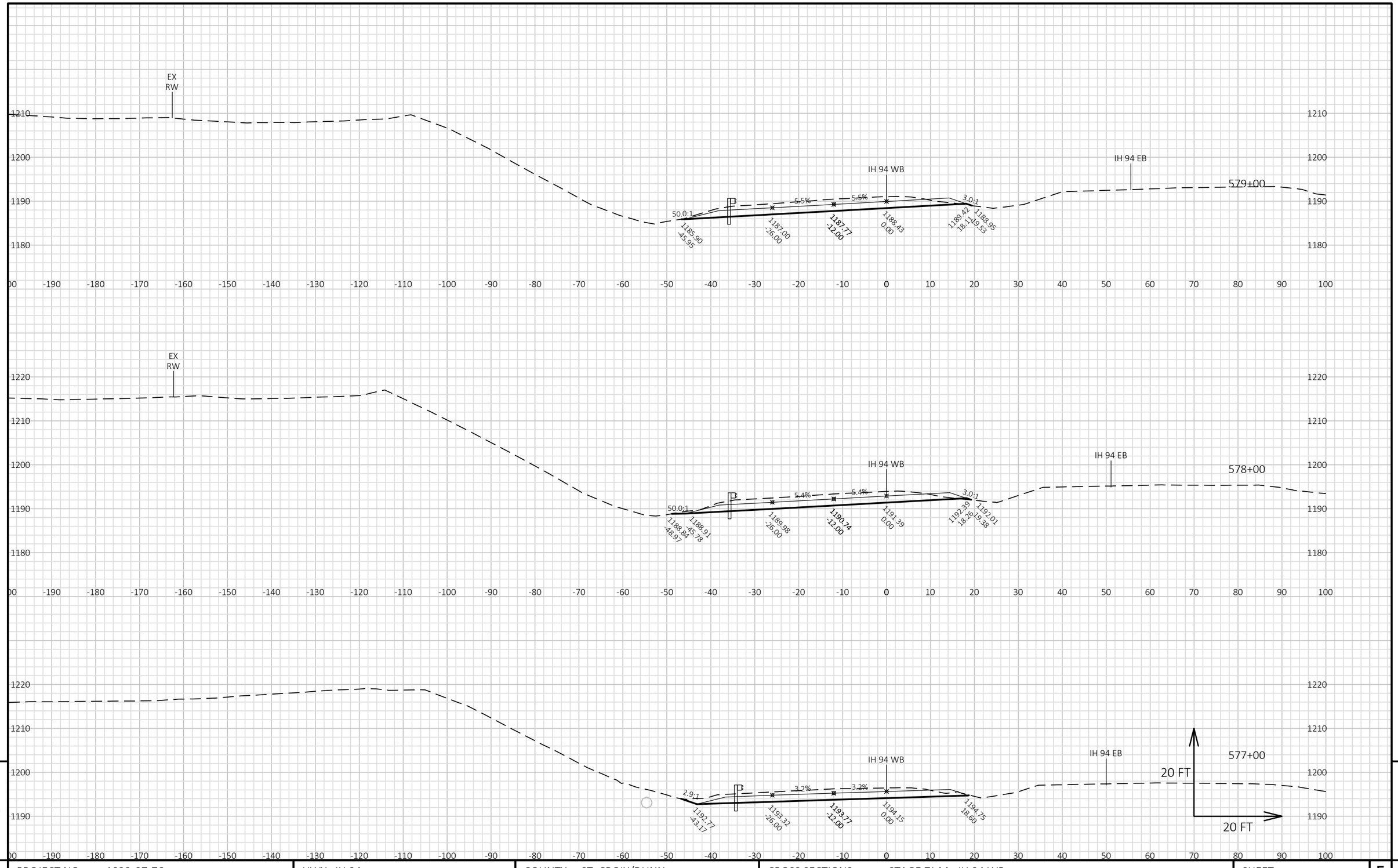
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1663	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090107_XS WB

PLOT DATE : 8/15/2018 10:30 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



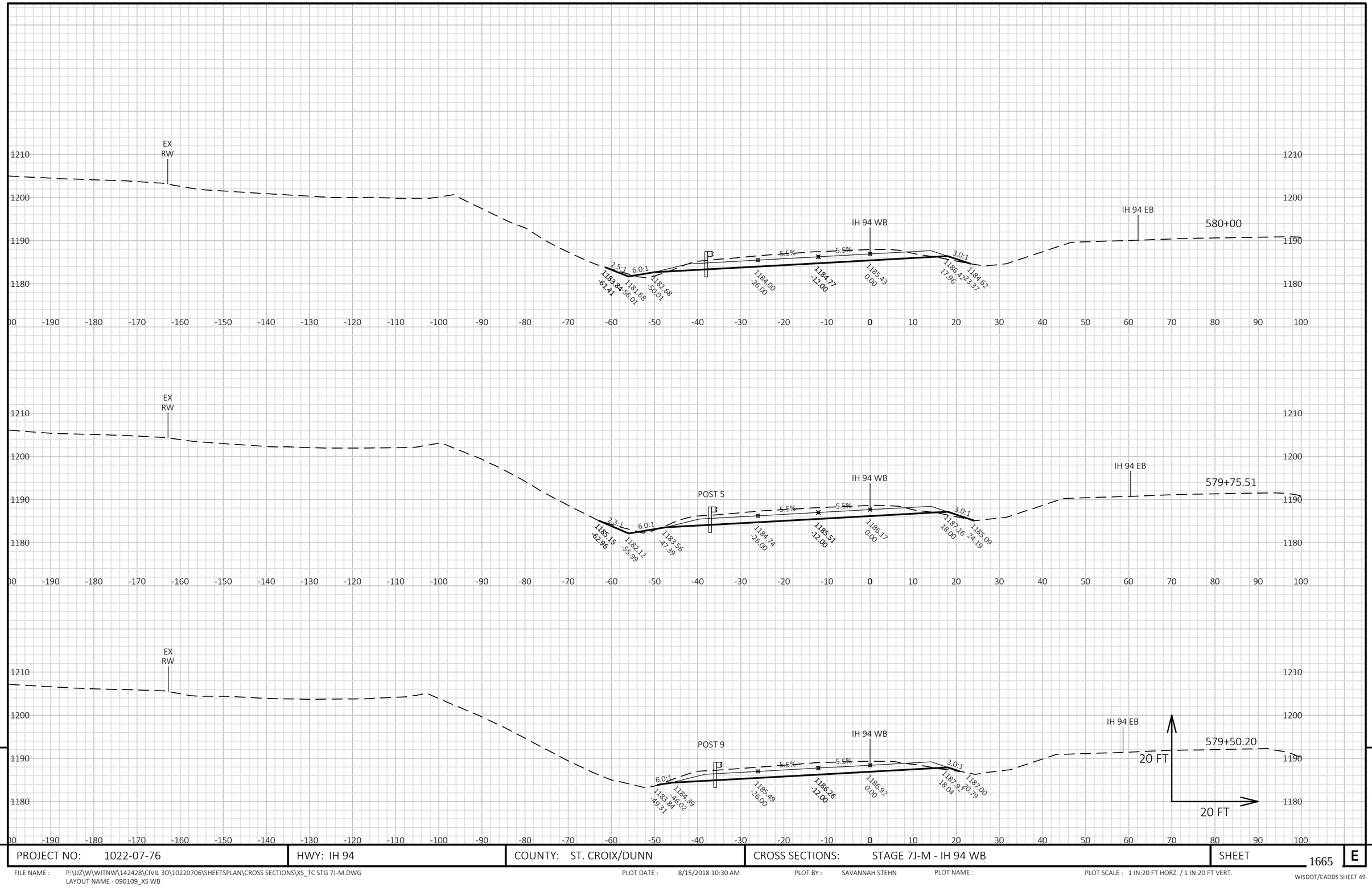
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1664	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090108_XS WB

PLOT DATE : 8/15/2018 10:30 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



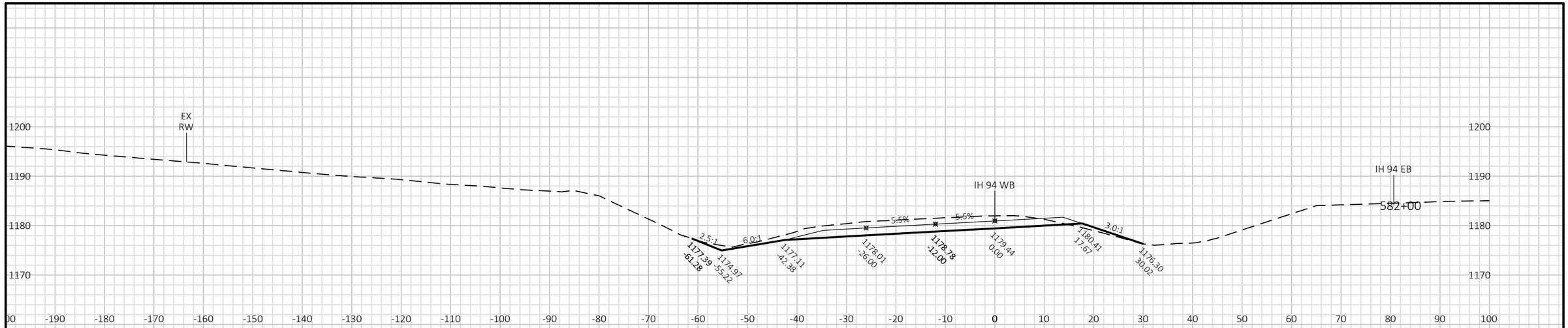
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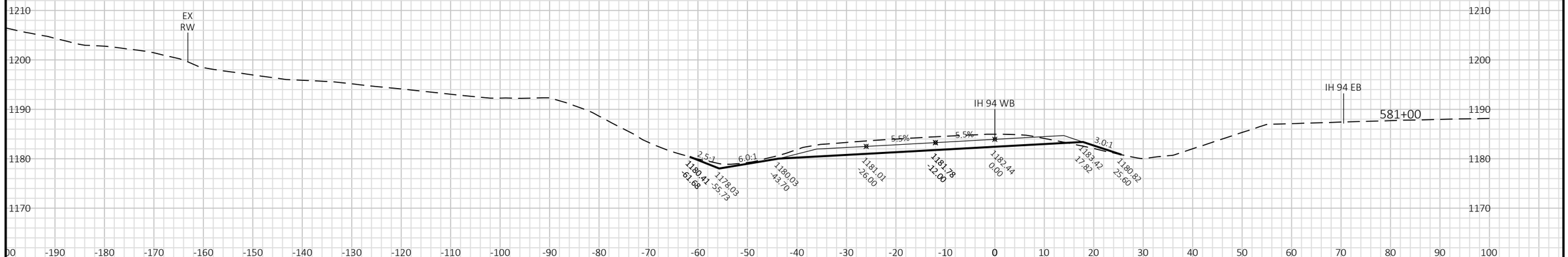
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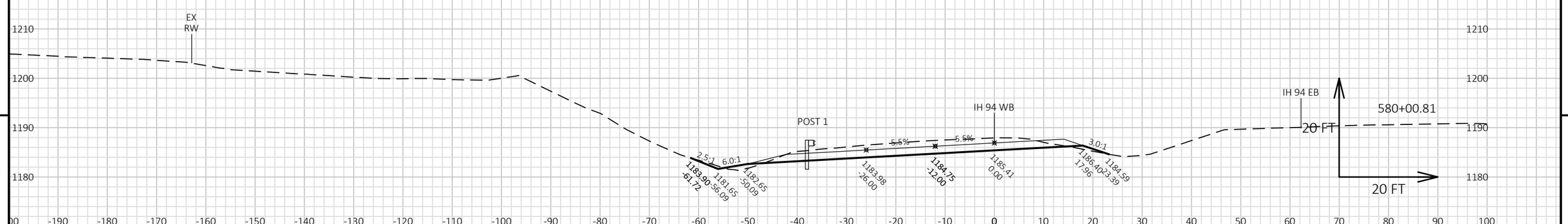
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1665	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090109_XS WB

PLOT DATE : 8/15/2018 10:30 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.







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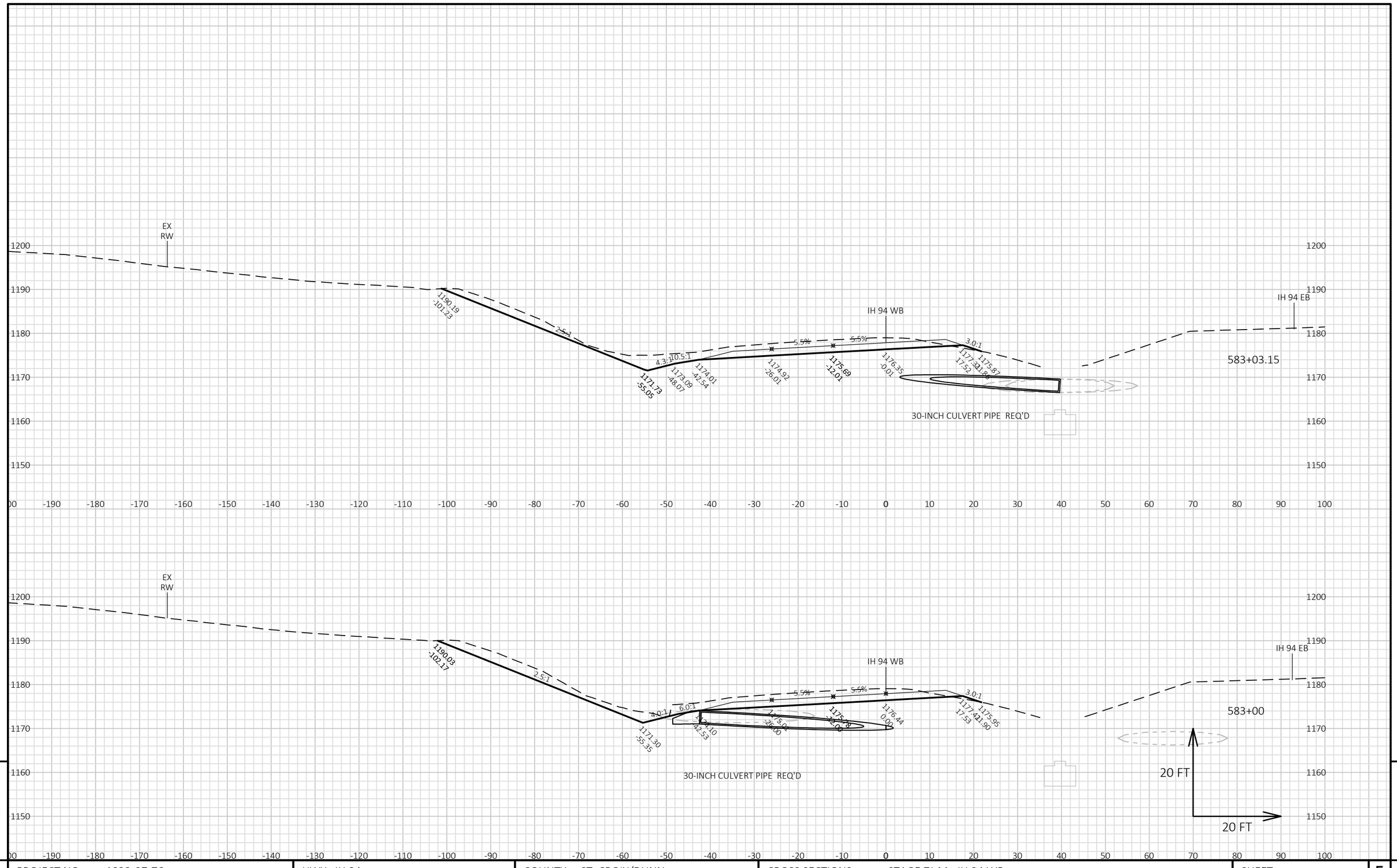
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1666	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090110_XS WB

PLOT DATE : 8/15/2018 10:30 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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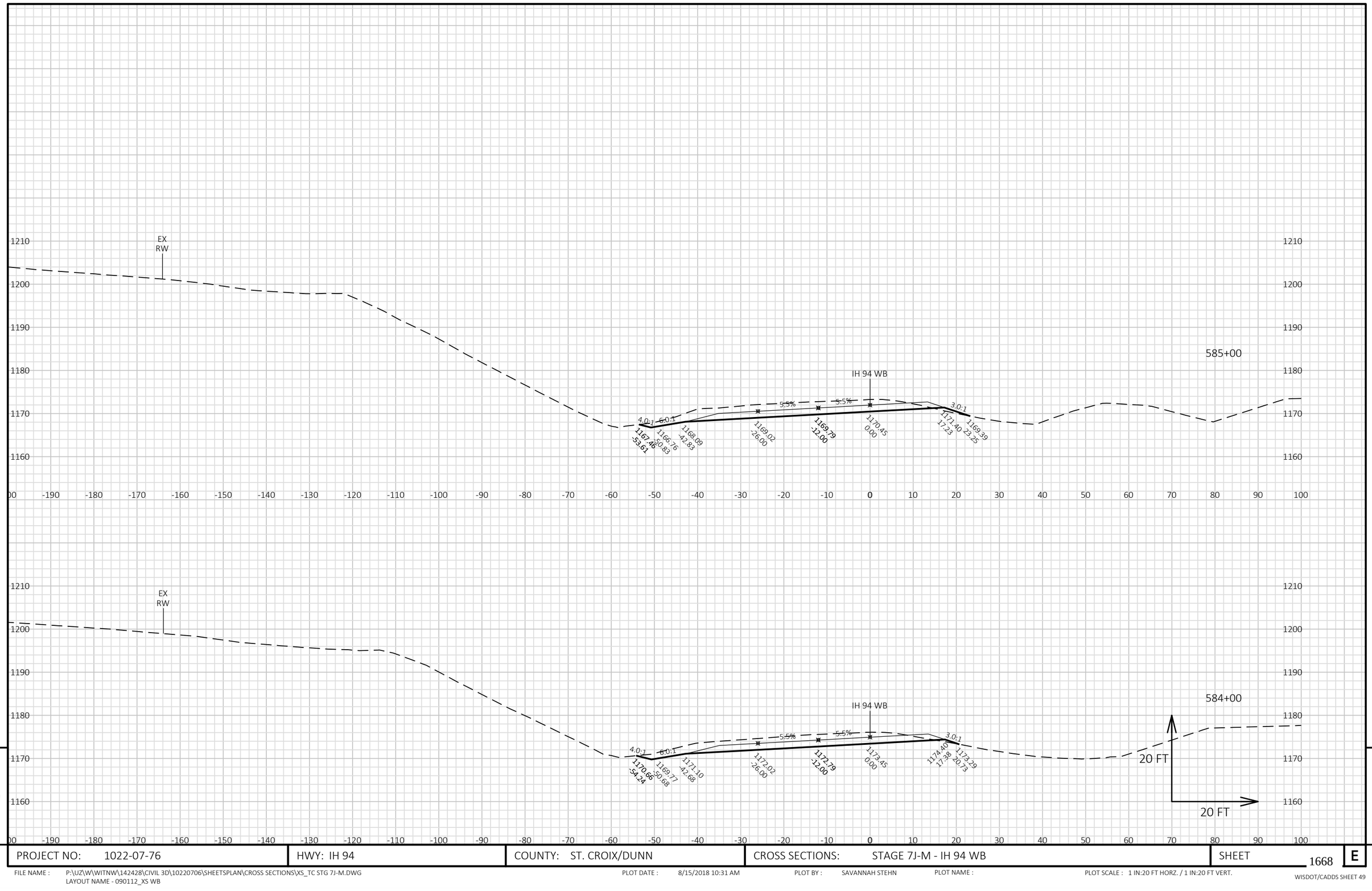
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1667	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090111_XS WB

PLOT DATE : 8/15/2018 10:30 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

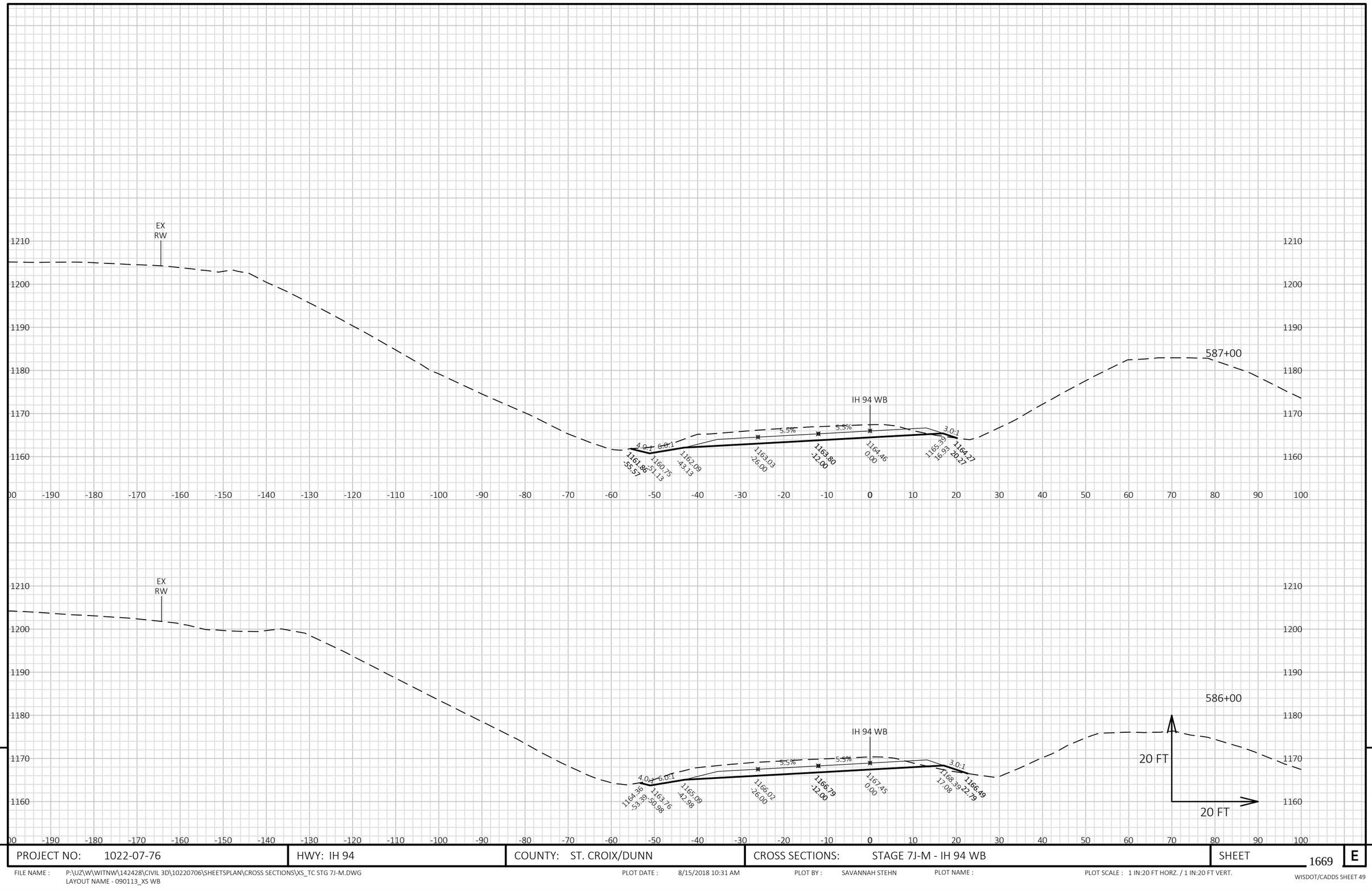


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1668	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090112_XS WB
PLOT DATE : 8/15/2018 10:31 AM
PLOT BY : SAVANNAH STEHN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



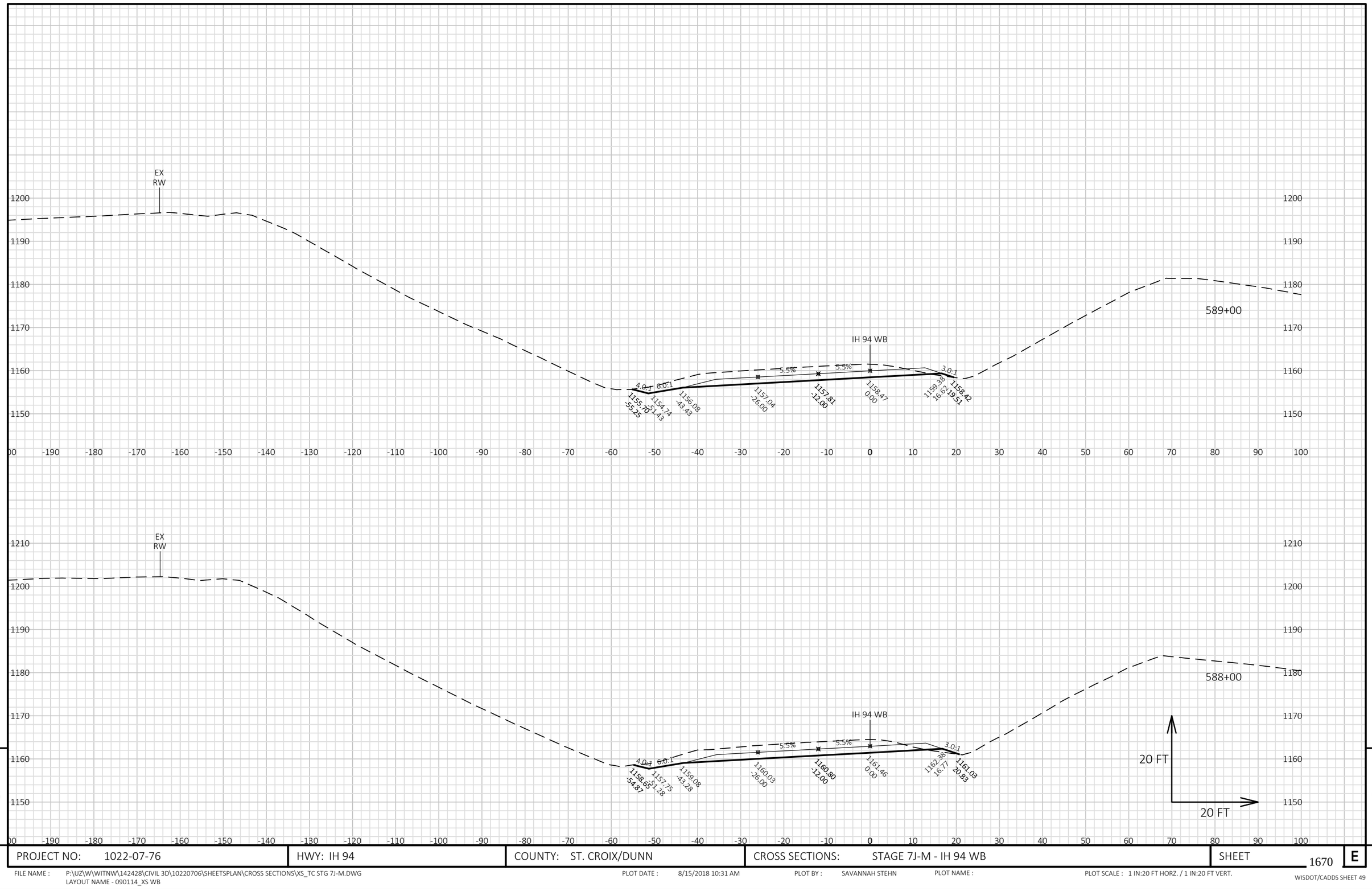
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1669	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090113_XS WB

PLOT DATE : 8/15/2018 10:31 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



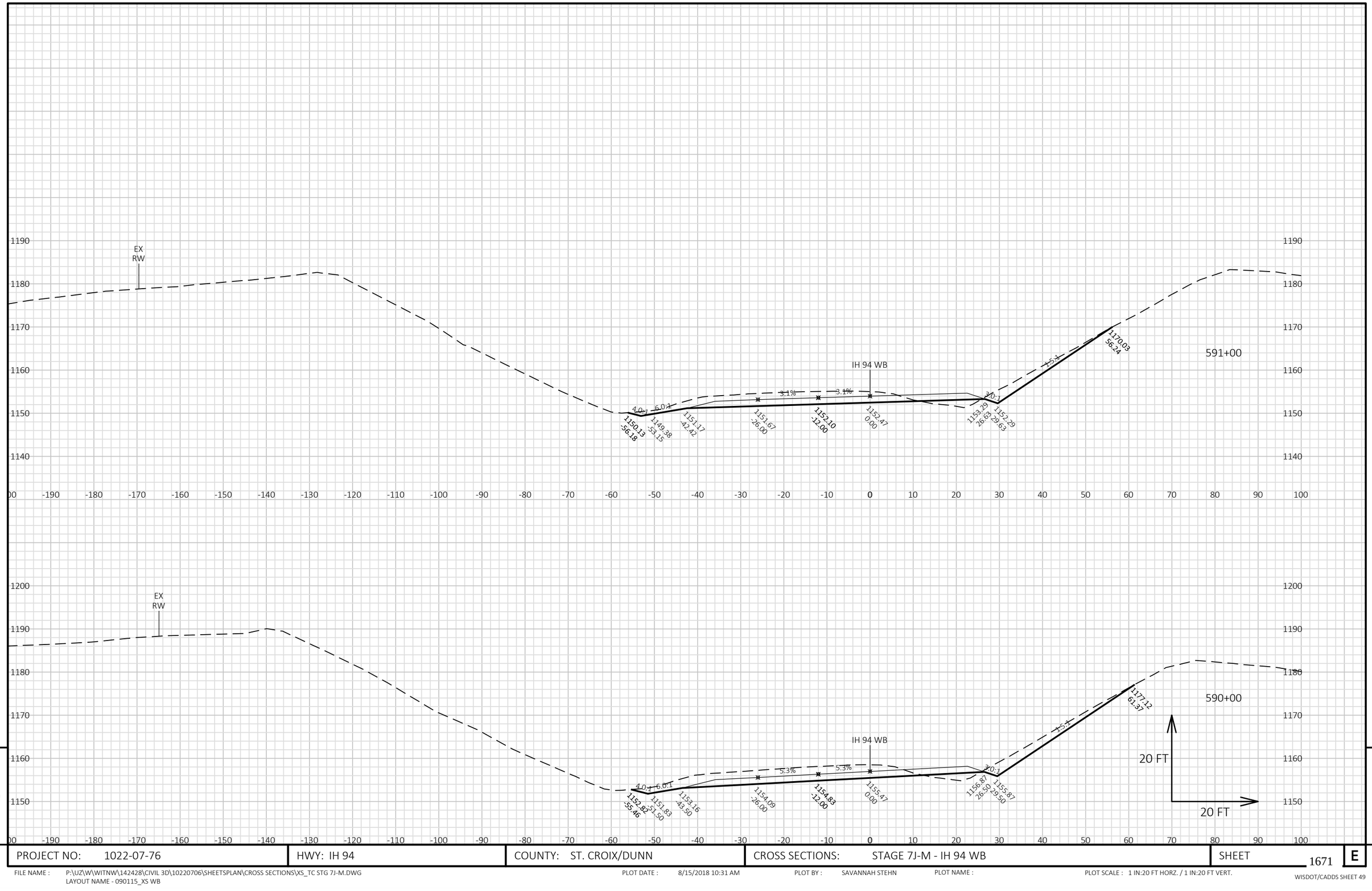
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1670	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090114_XS WB

PLOT DATE : 8/15/2018 10:31 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

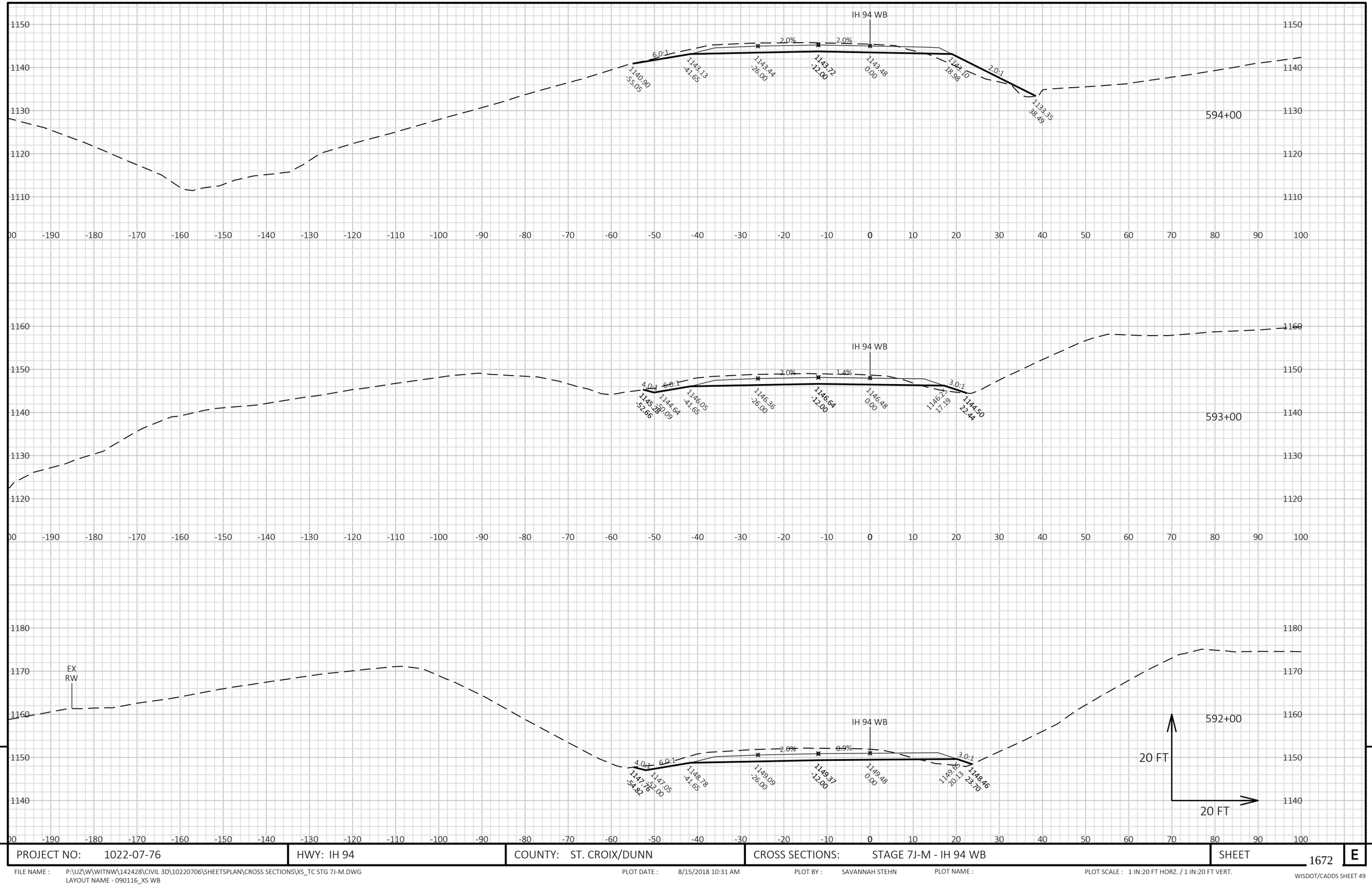


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1671	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090115_XS WB

PLOT DATE : 8/15/2018 10:31 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



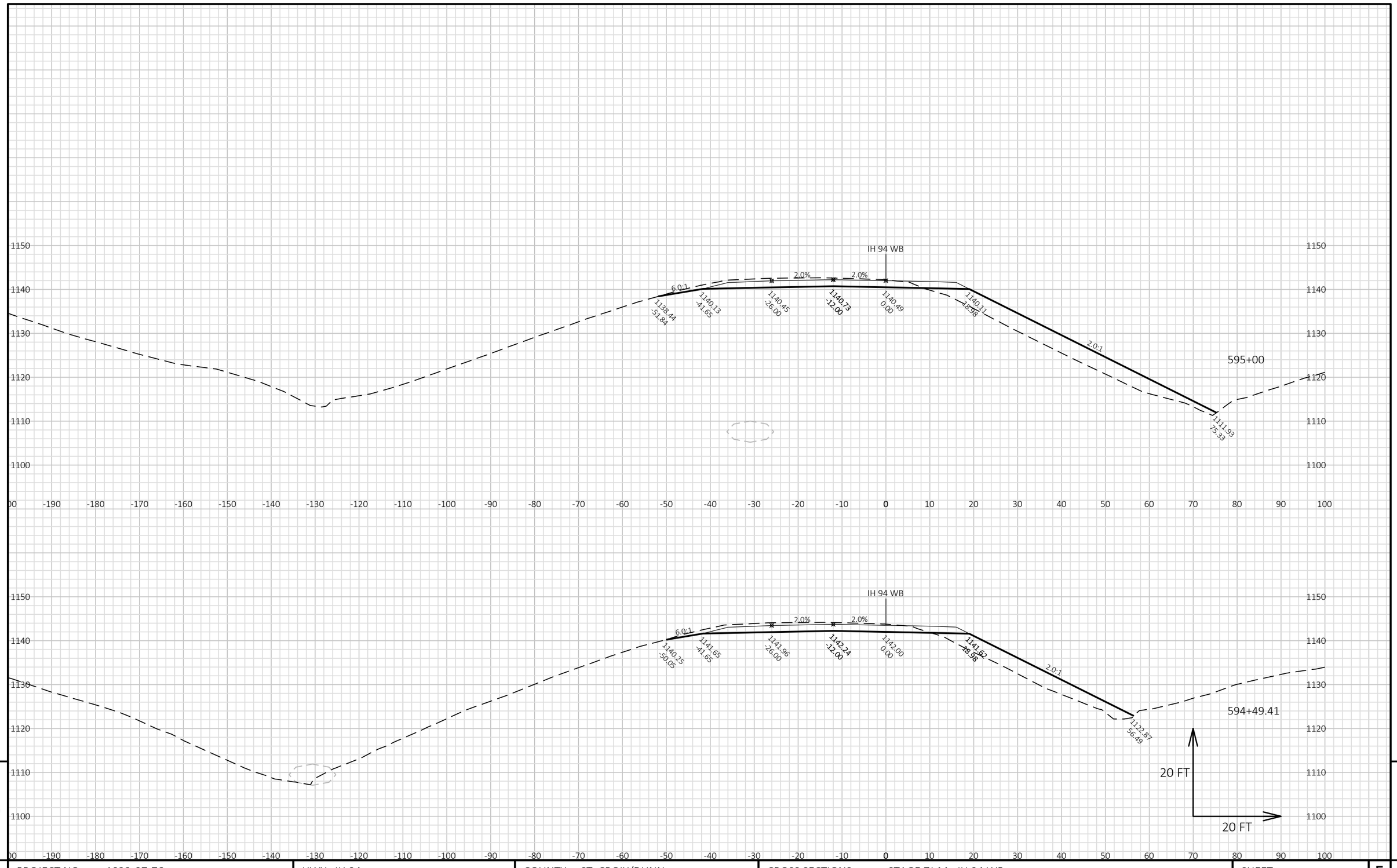
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1672	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090116_XS WB

PLOT DATE : 8/15/2018 10:31 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

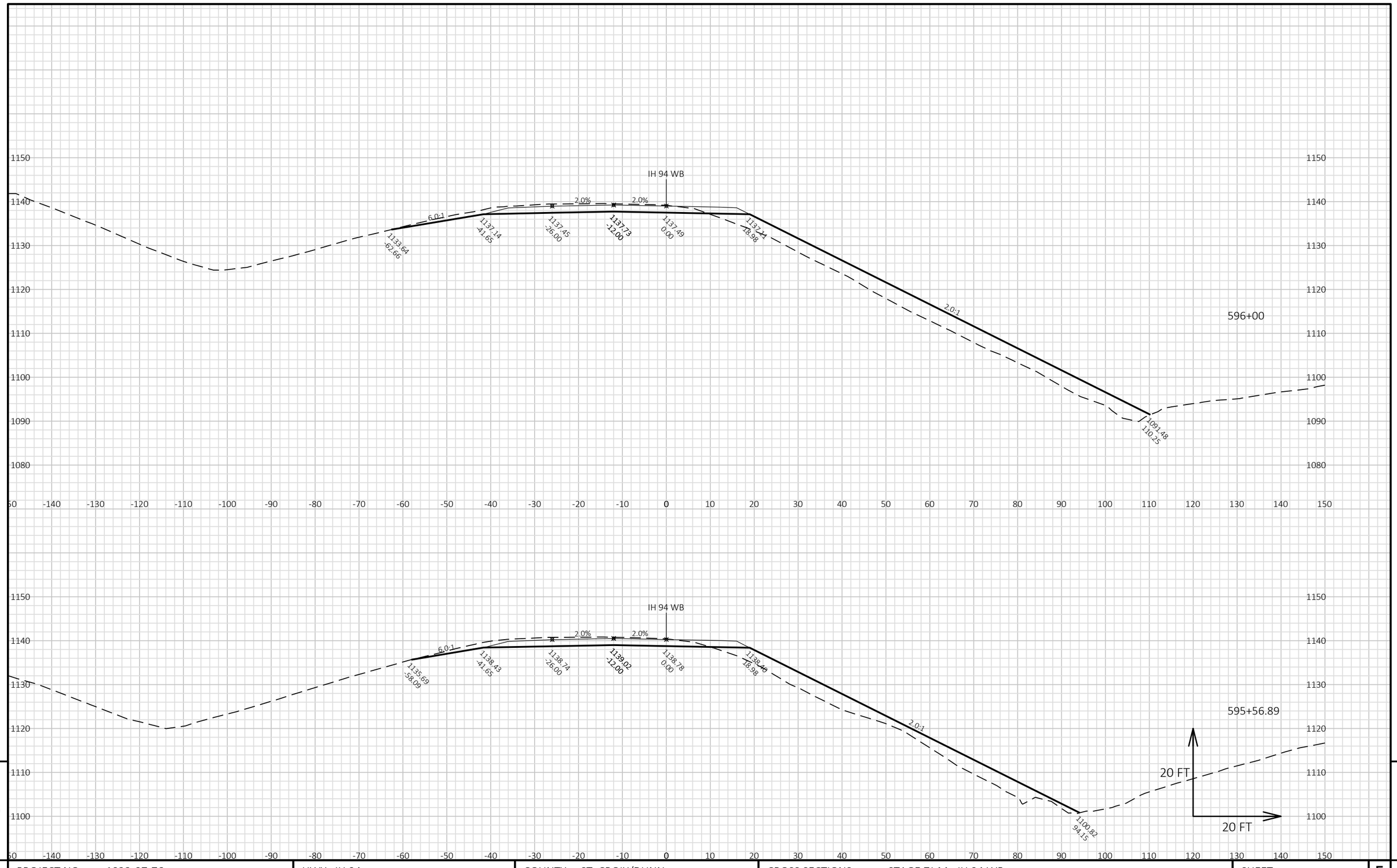


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1673	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090117_XS WB

PLOT DATE : 8/15/2018 10:31 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

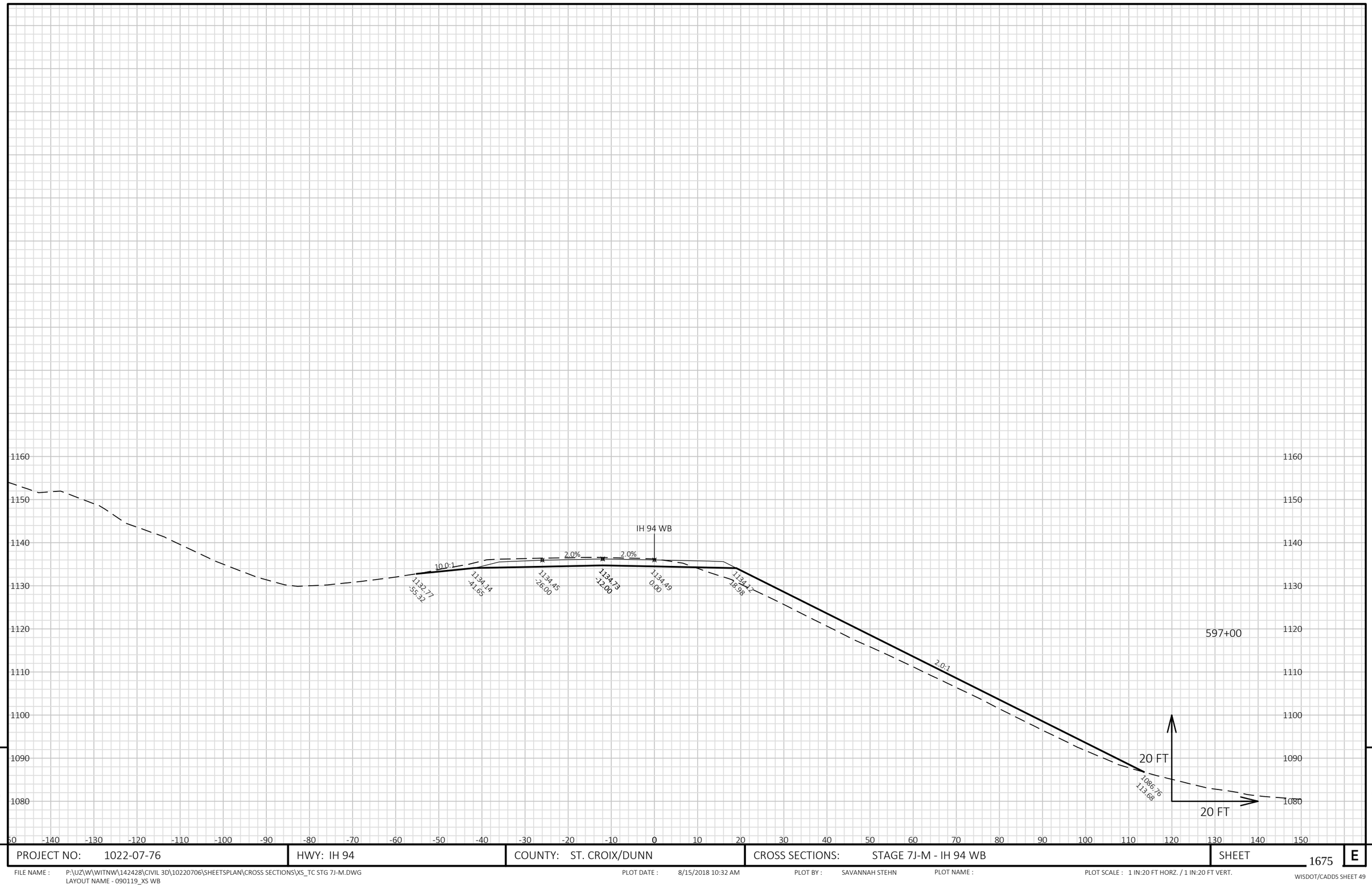


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1674	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090118_XS WB

PLOT DATE : 8/15/2018 10:32 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

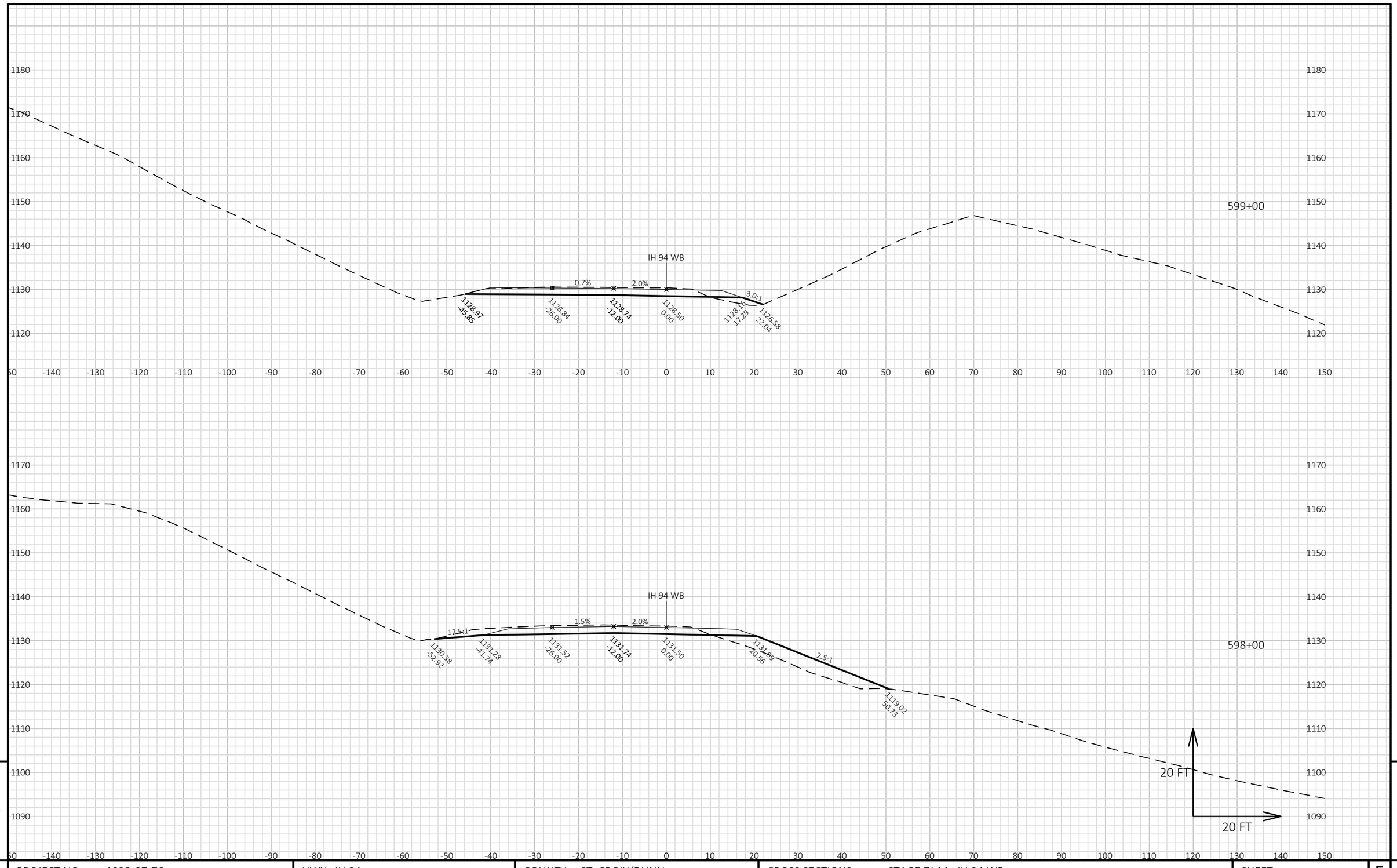


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1675	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090119_XS WB

PLOT DATE : 8/15/2018 10:32 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

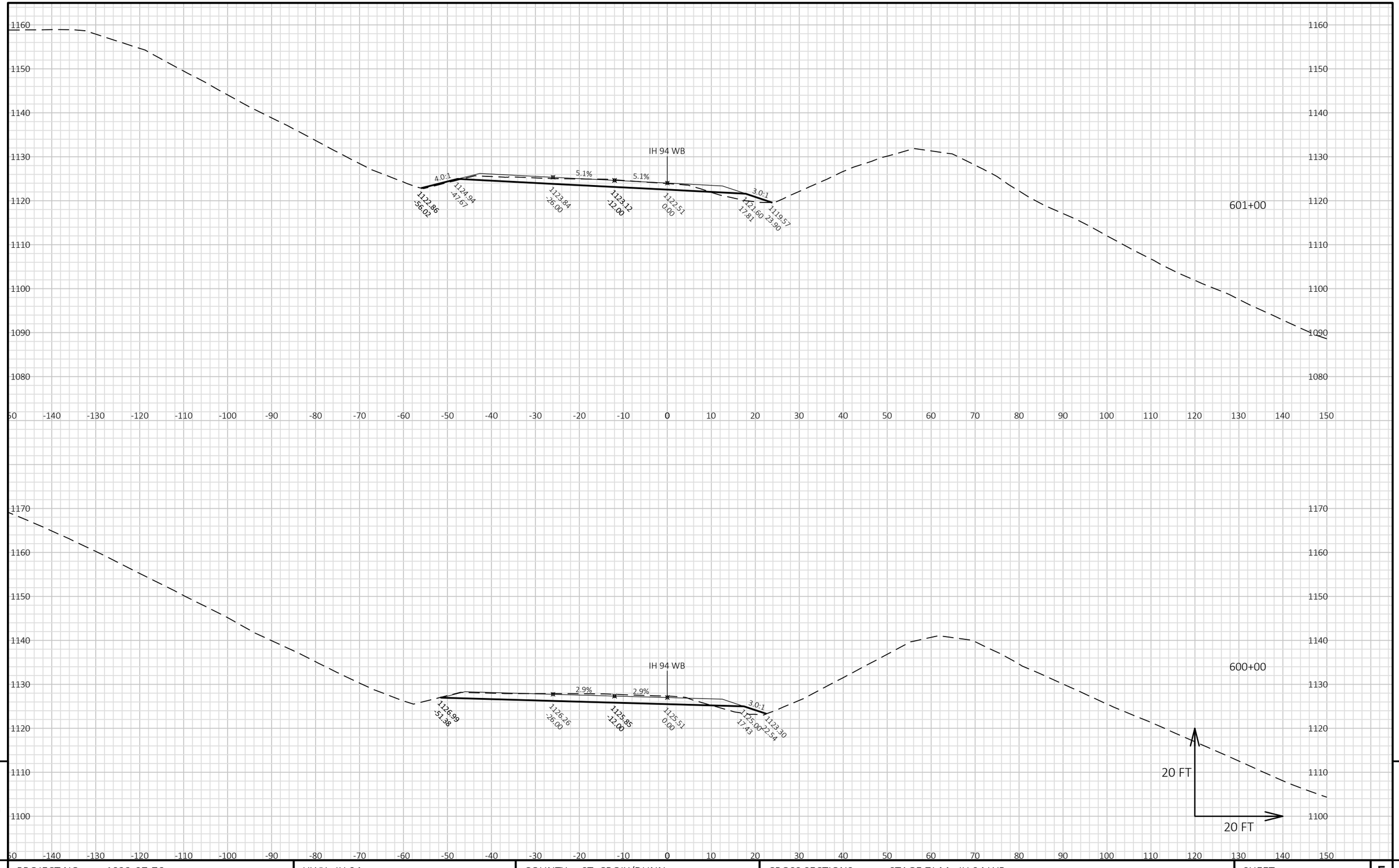


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1676 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090120_XS WB

PLOT DATE : 8/15/2018 10:32 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



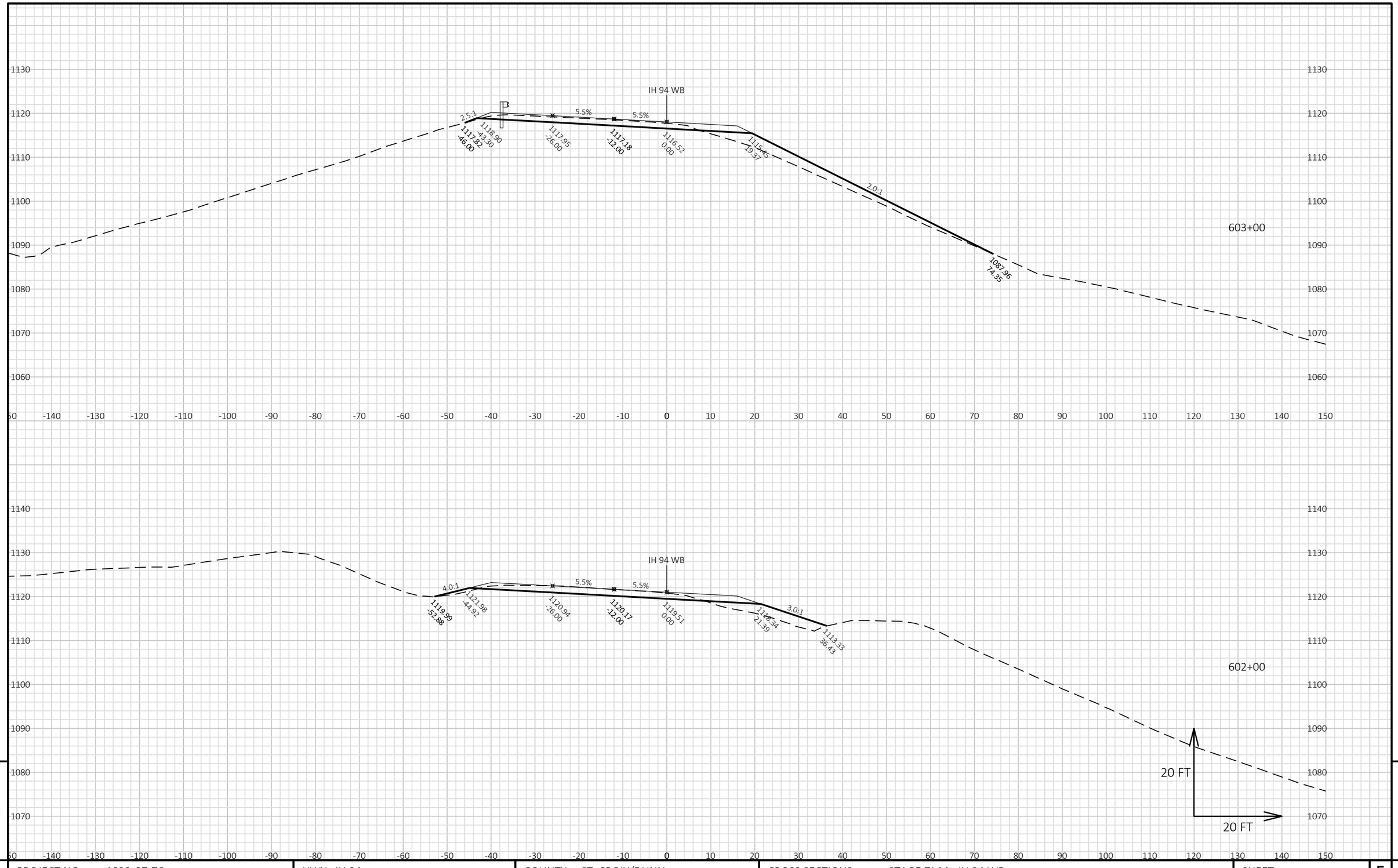
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1677	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090121_XS WB

PLOT DATE : 8/15/2018 10:32 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



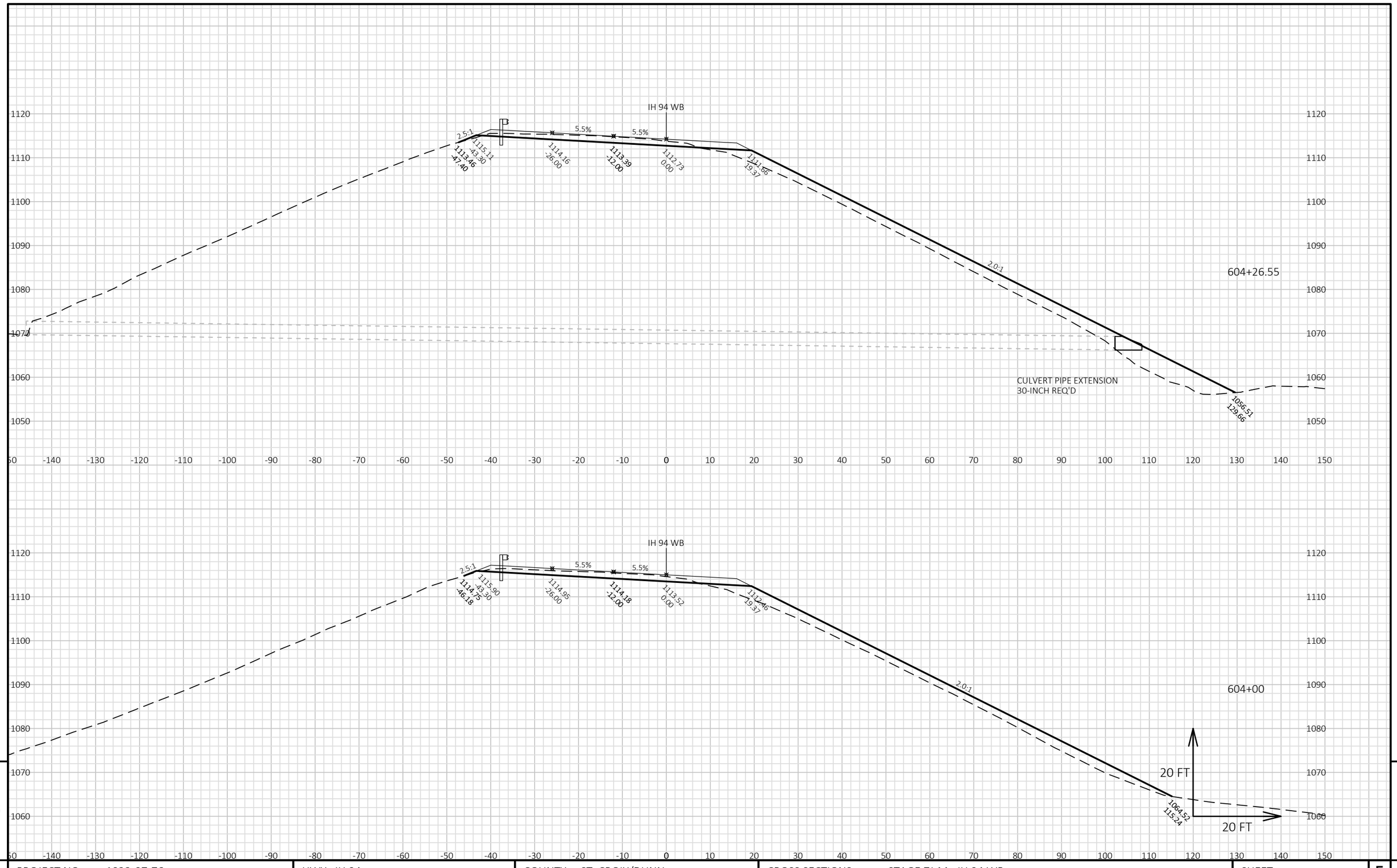
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1678	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090122_XS WB

PLOT DATE : 8/15/2018 10:32 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

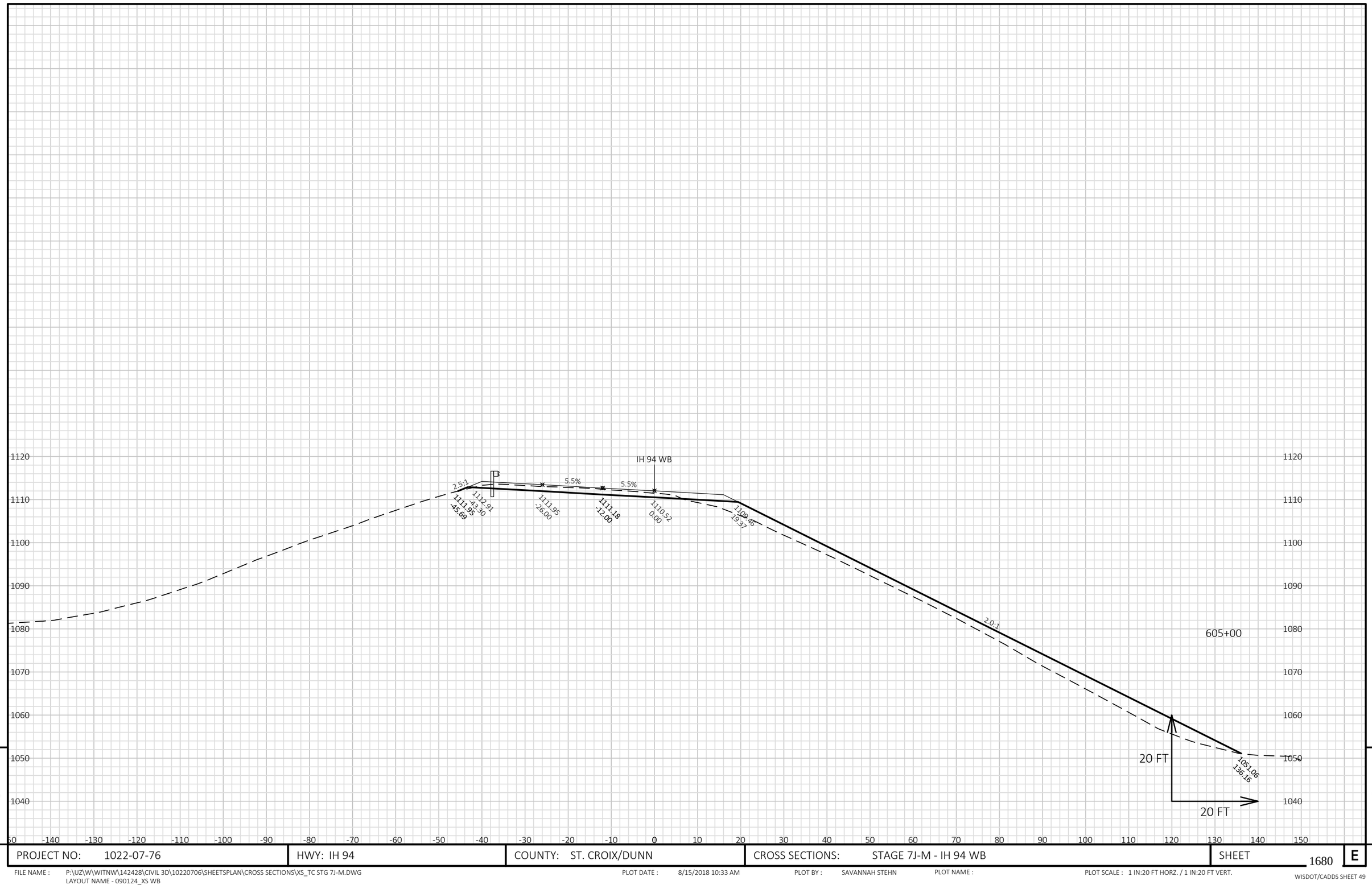


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1679	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090123_XS WB

PLOT DATE : 8/15/2018 10:32 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

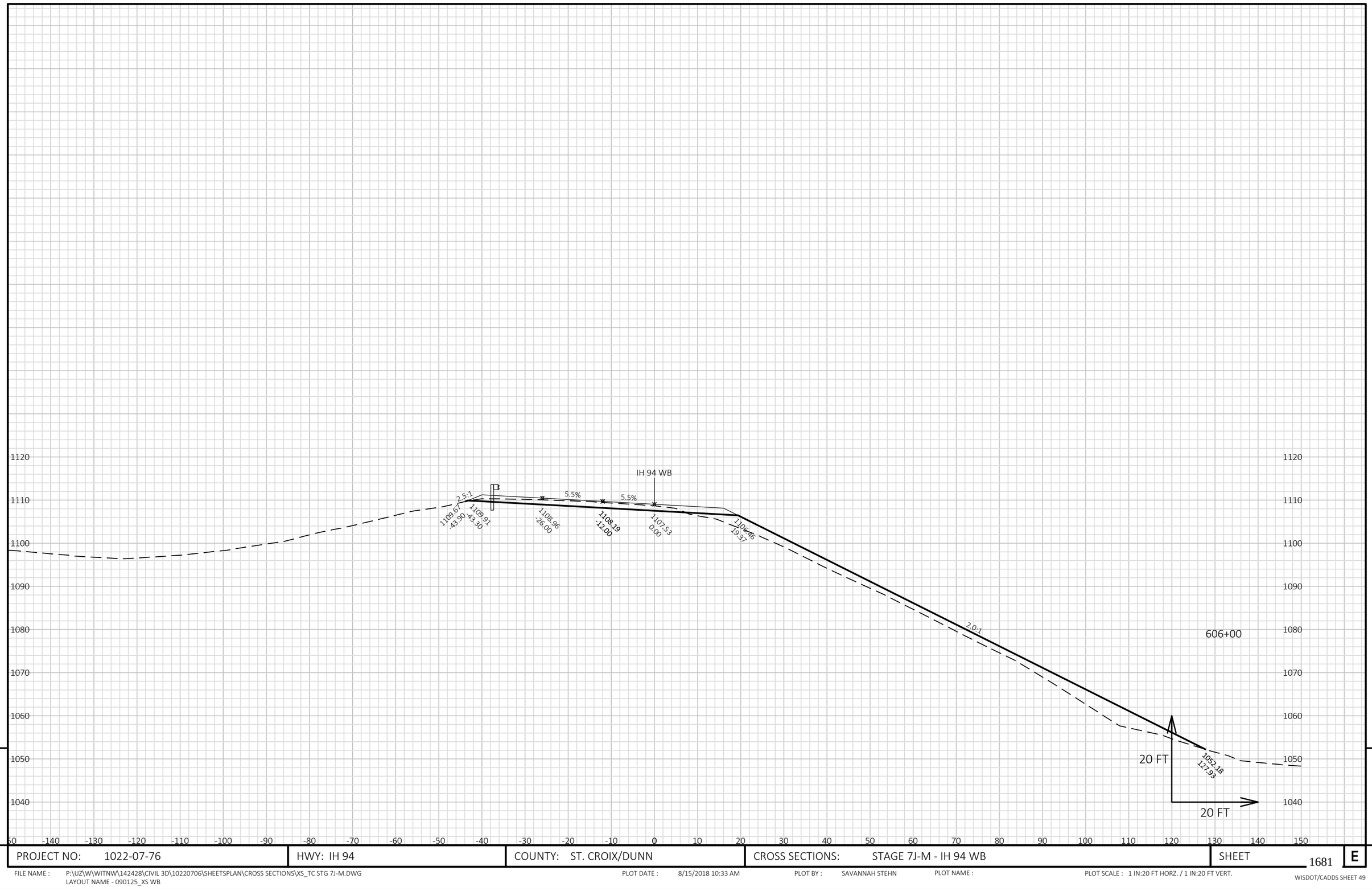


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1680	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090124_XS WB

PLOT DATE : 8/15/2018 10:33 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

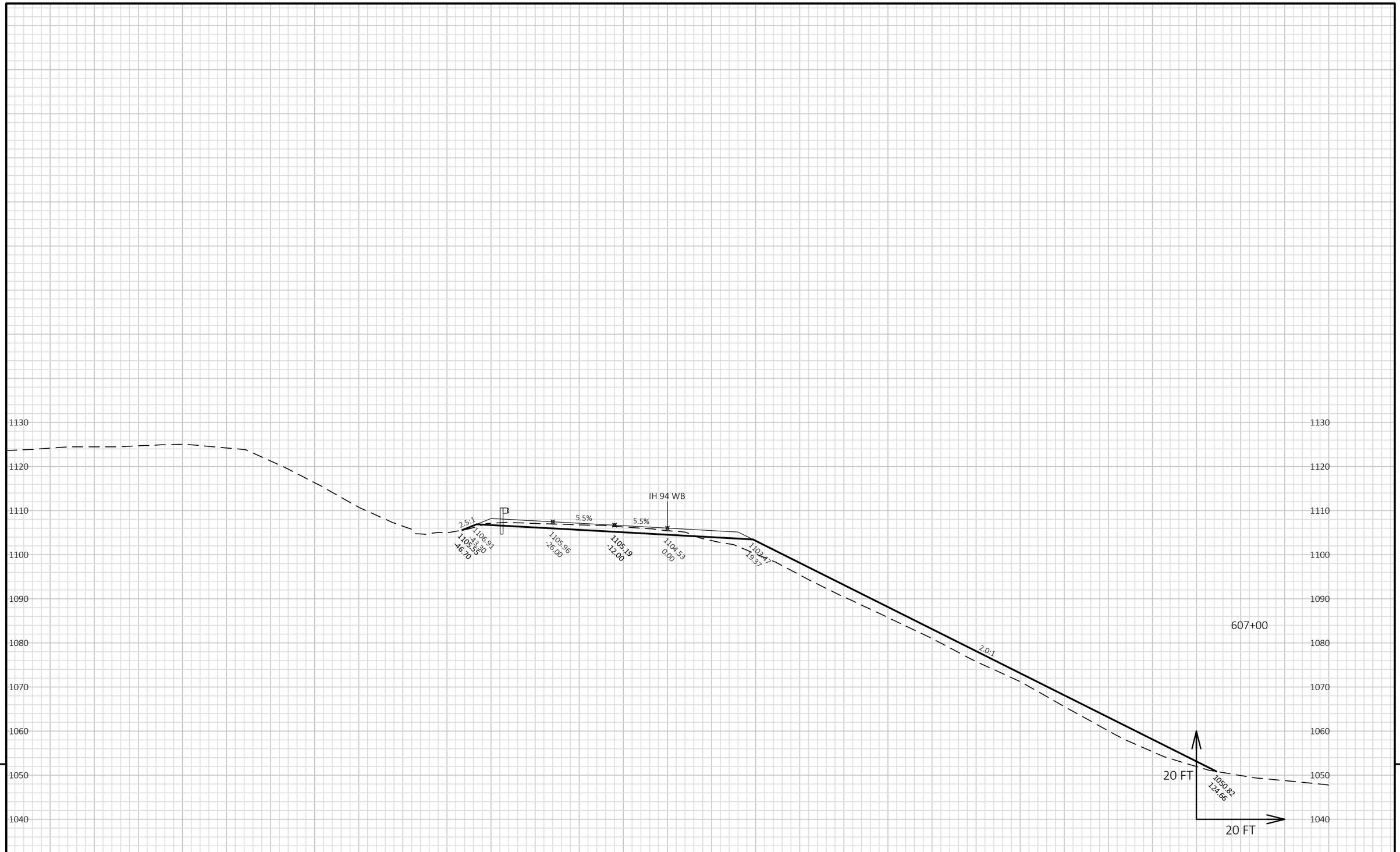


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1681	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090125_XS WB

PLOT DATE : 8/15/2018 10:33 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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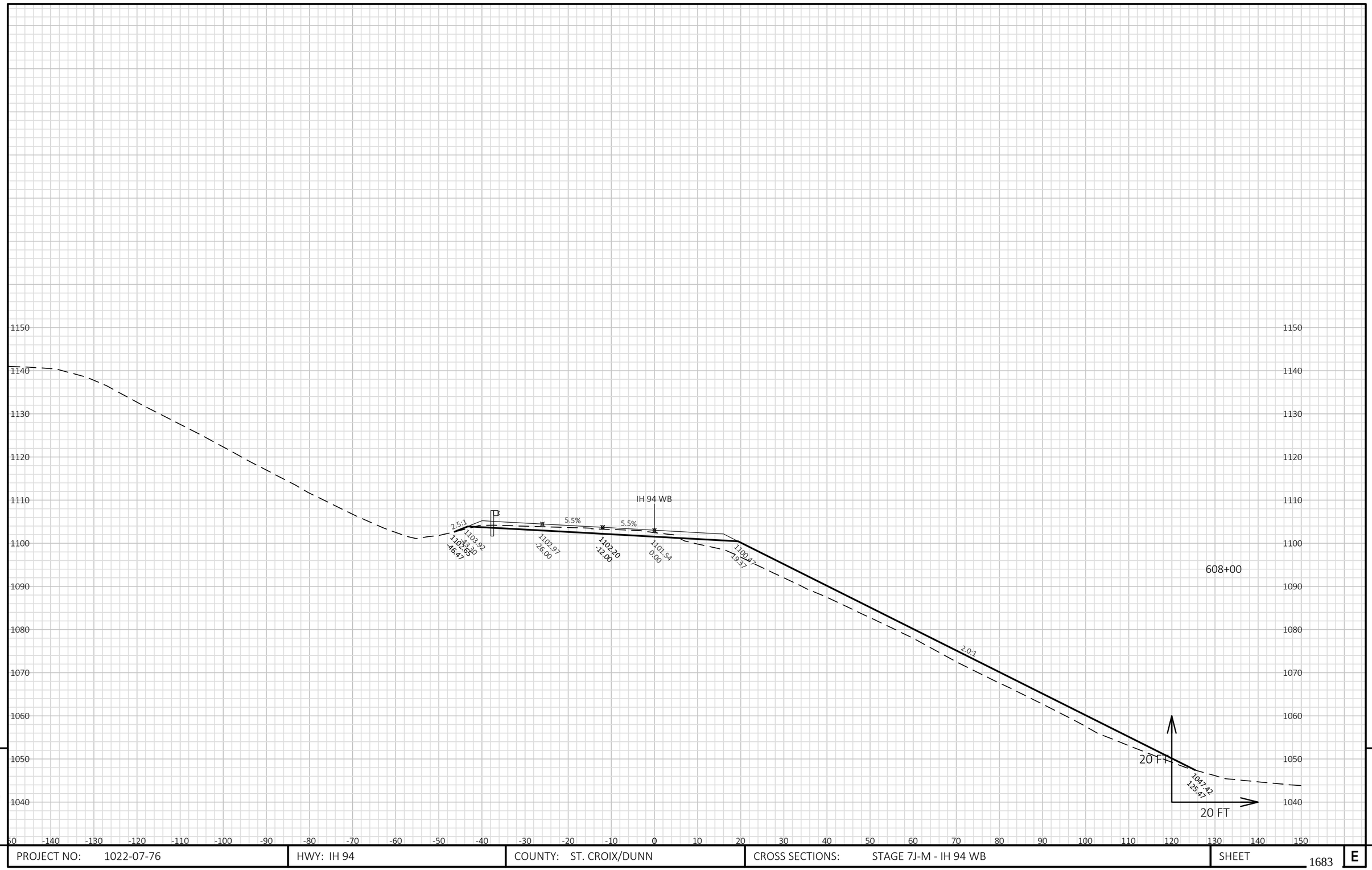
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1682 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090126_XS WB

PLOT DATE : 8/15/2018 10:33 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



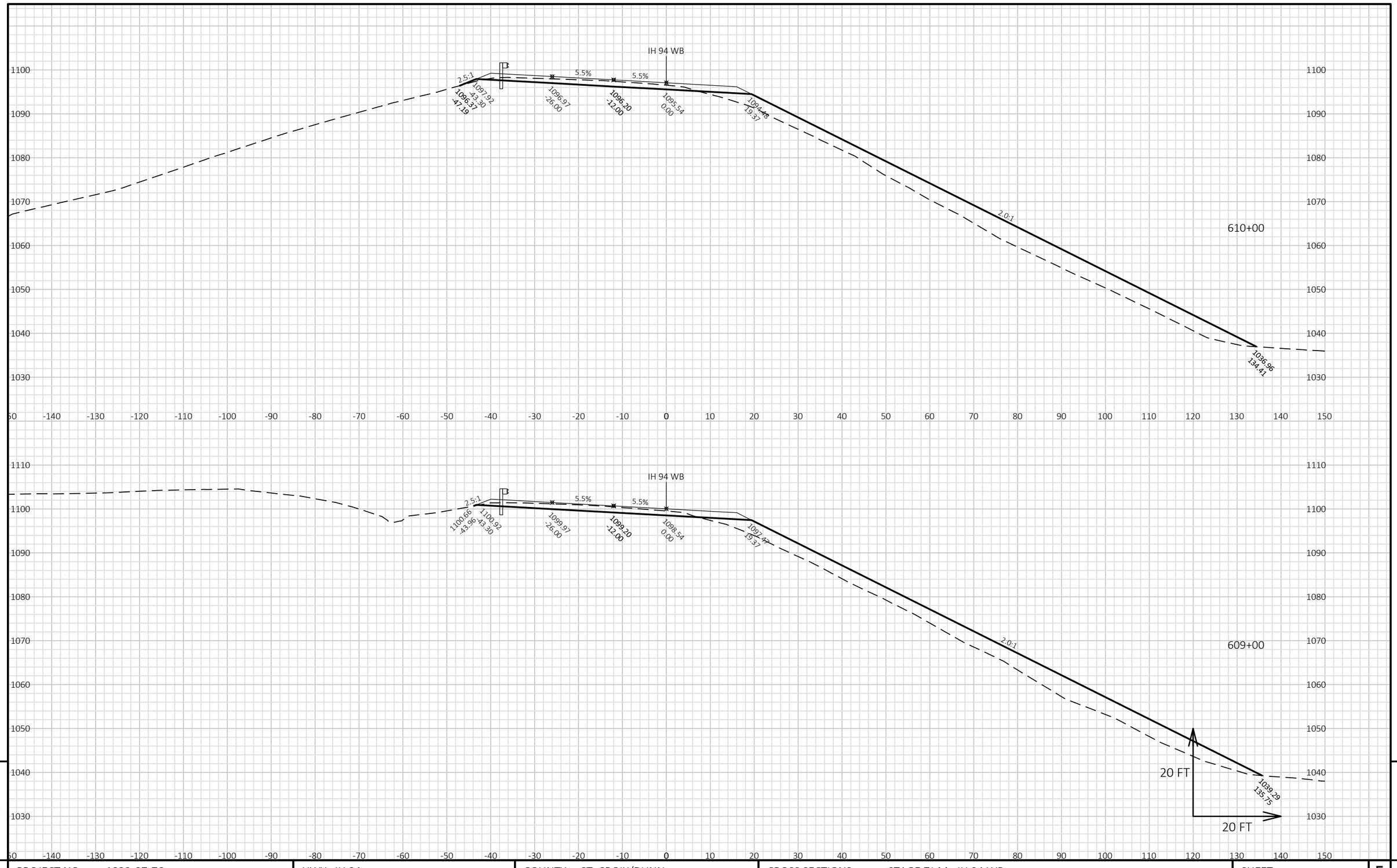
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1683	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090127_XS WB

PLOT DATE : 8/15/2018 10:33 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



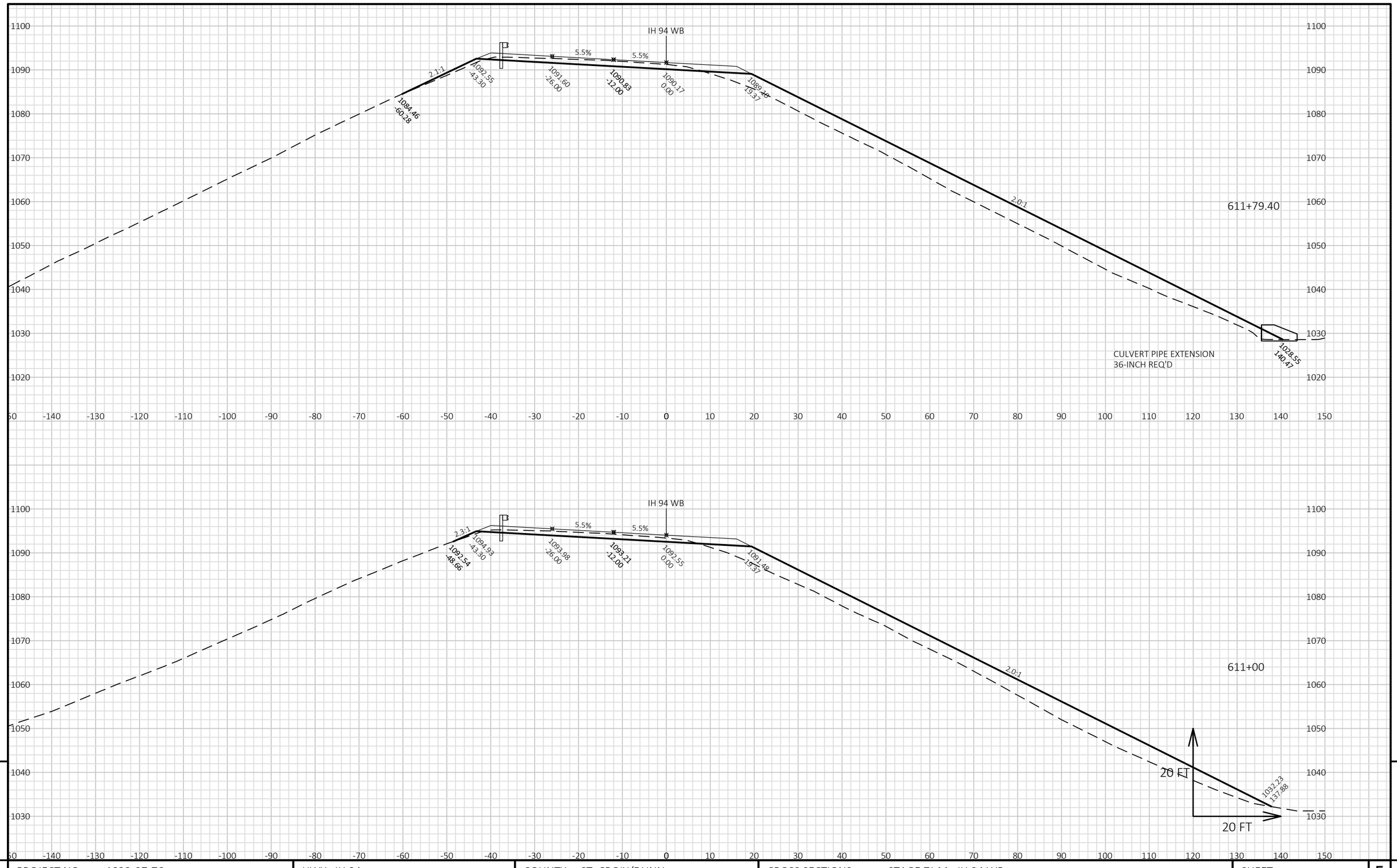
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1684	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090128_XS WB

PLOT DATE : 8/15/2018 10:33 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

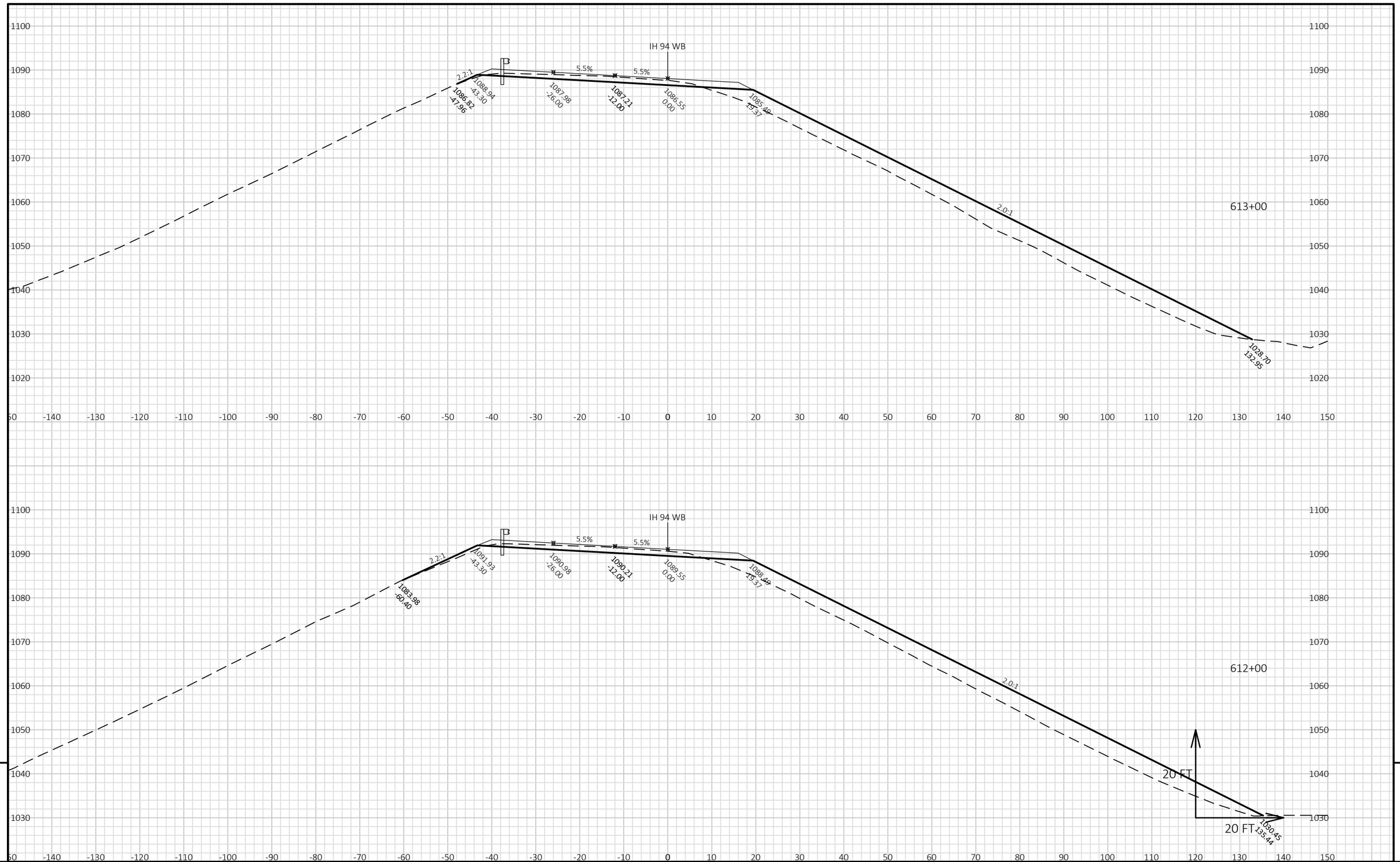


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1685 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090129_XS WB

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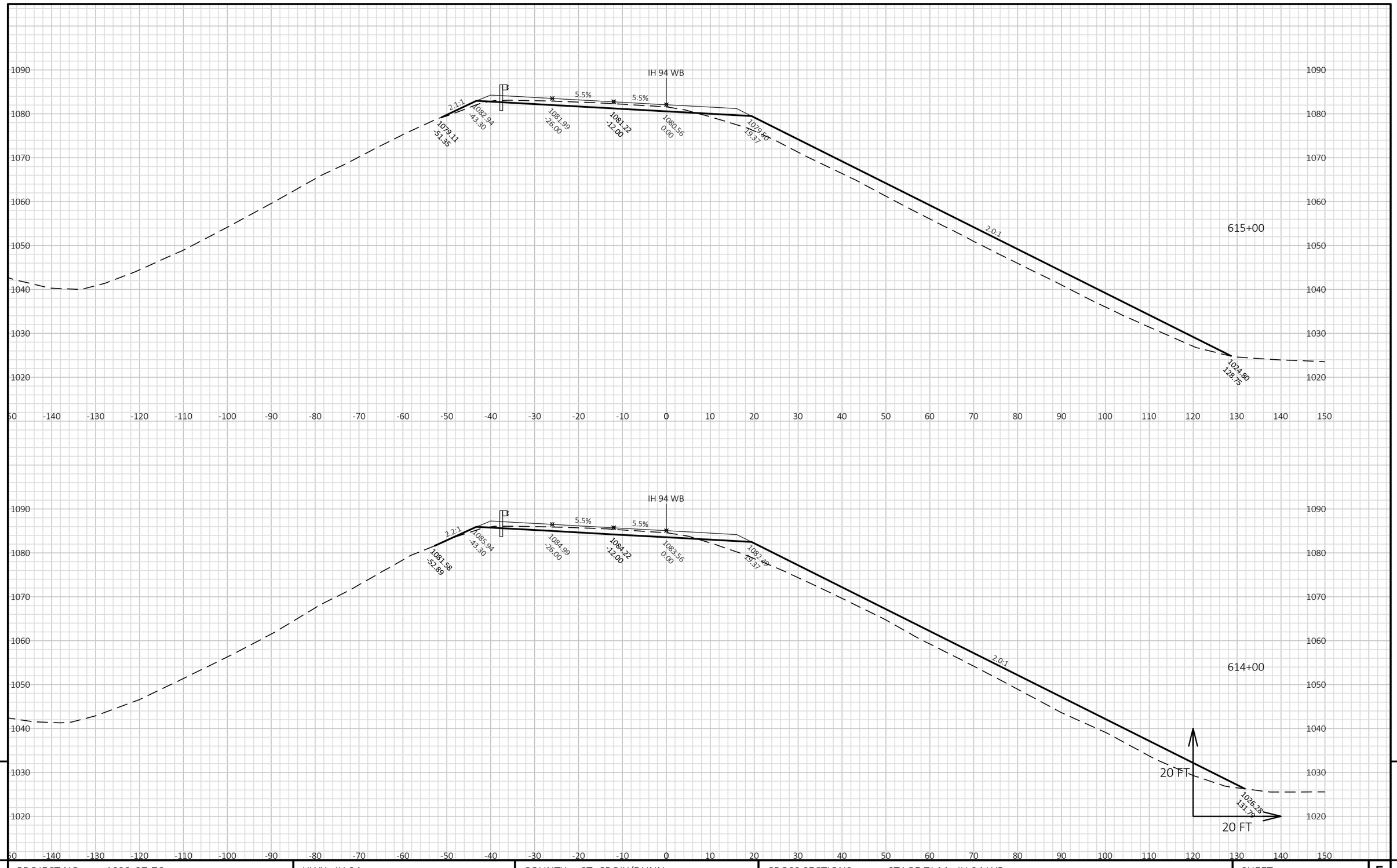


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1686	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090130_XS WB

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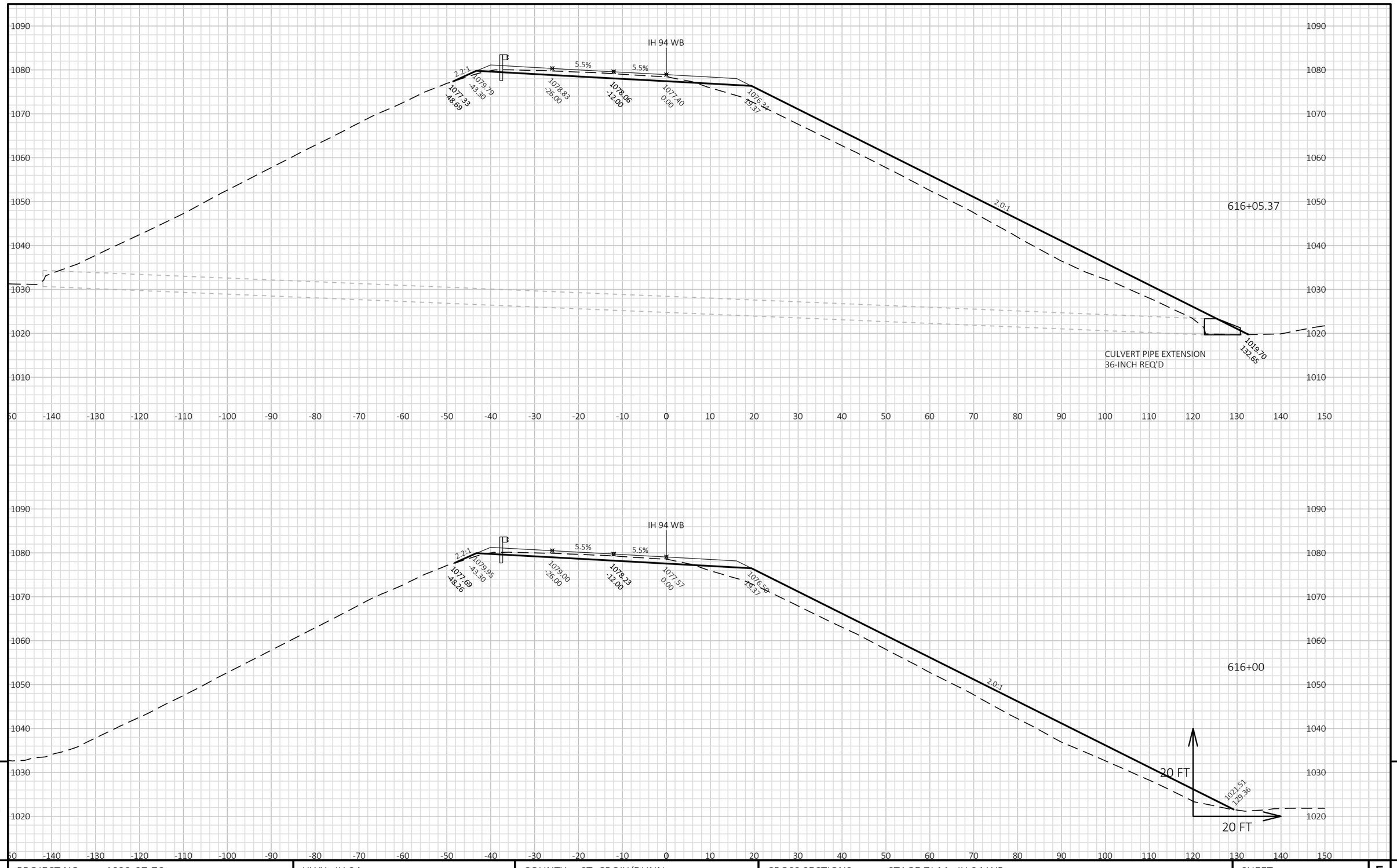


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1687	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090131_XS WB

PLOT DATE : 8/15/2018 10:34 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

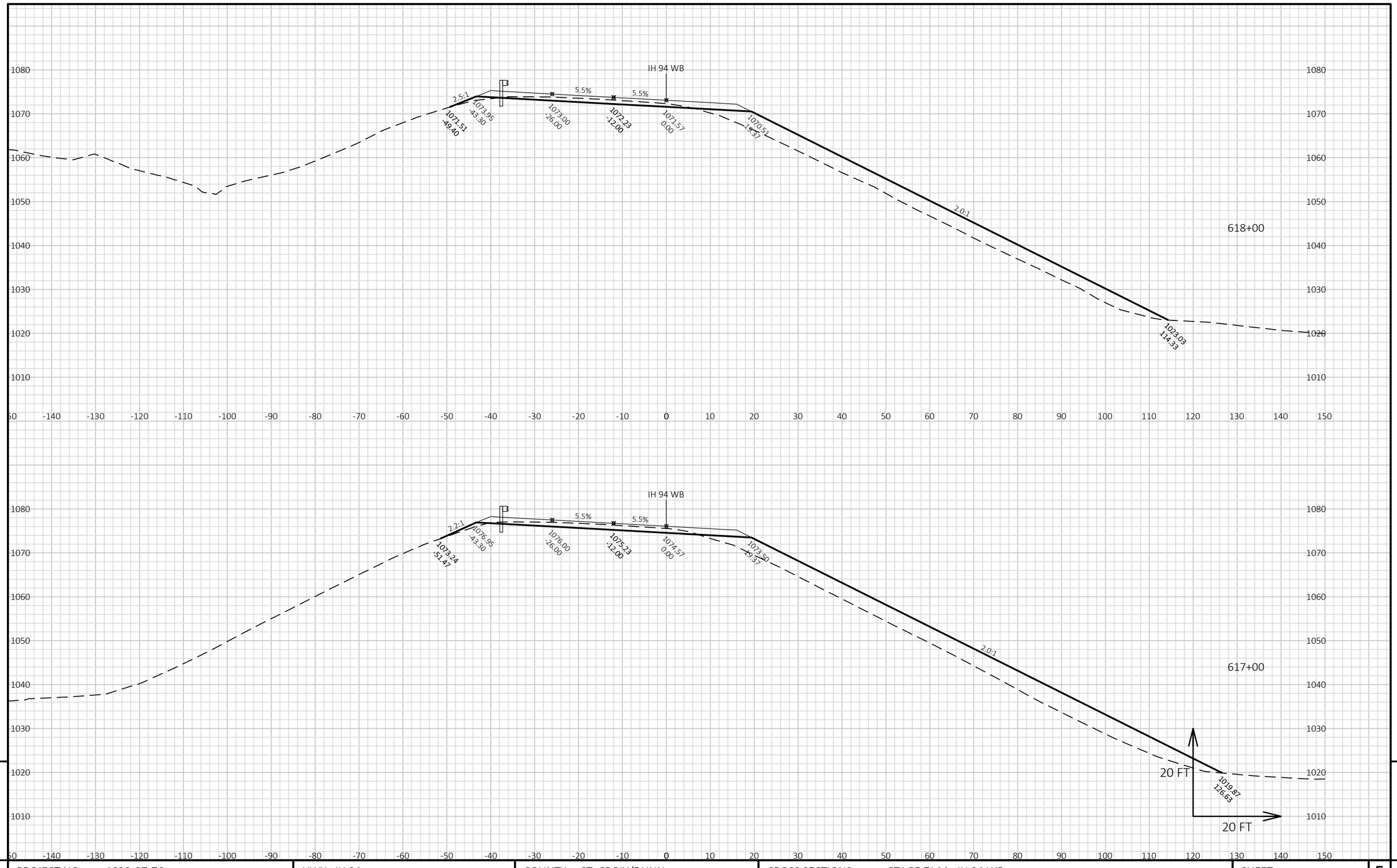


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1688	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090132_XS WB

PLOT DATE : 8/15/2018 10:34 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

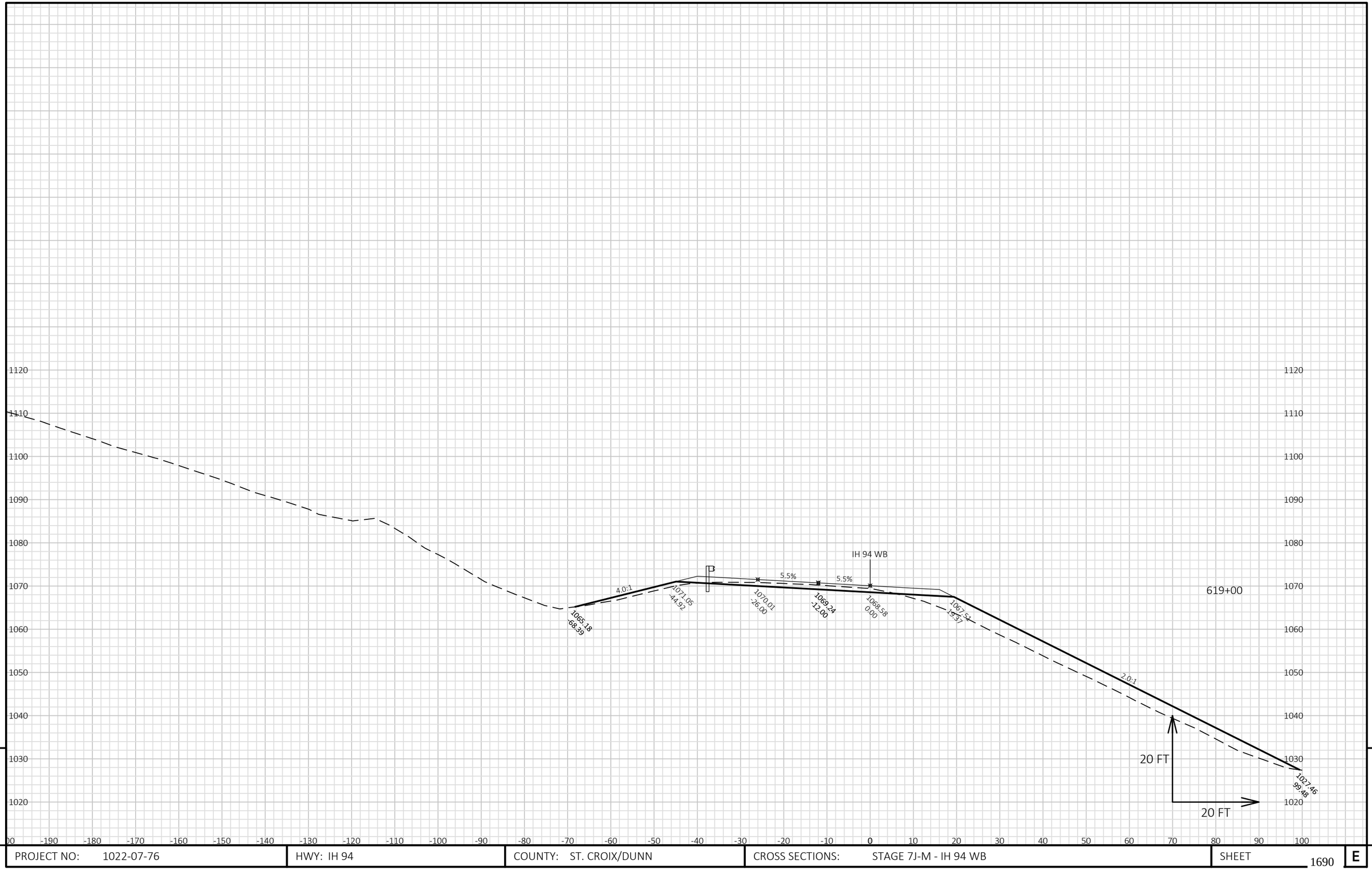


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1689	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090133_XS WB

PLOT DATE : 8/15/2018 10:34 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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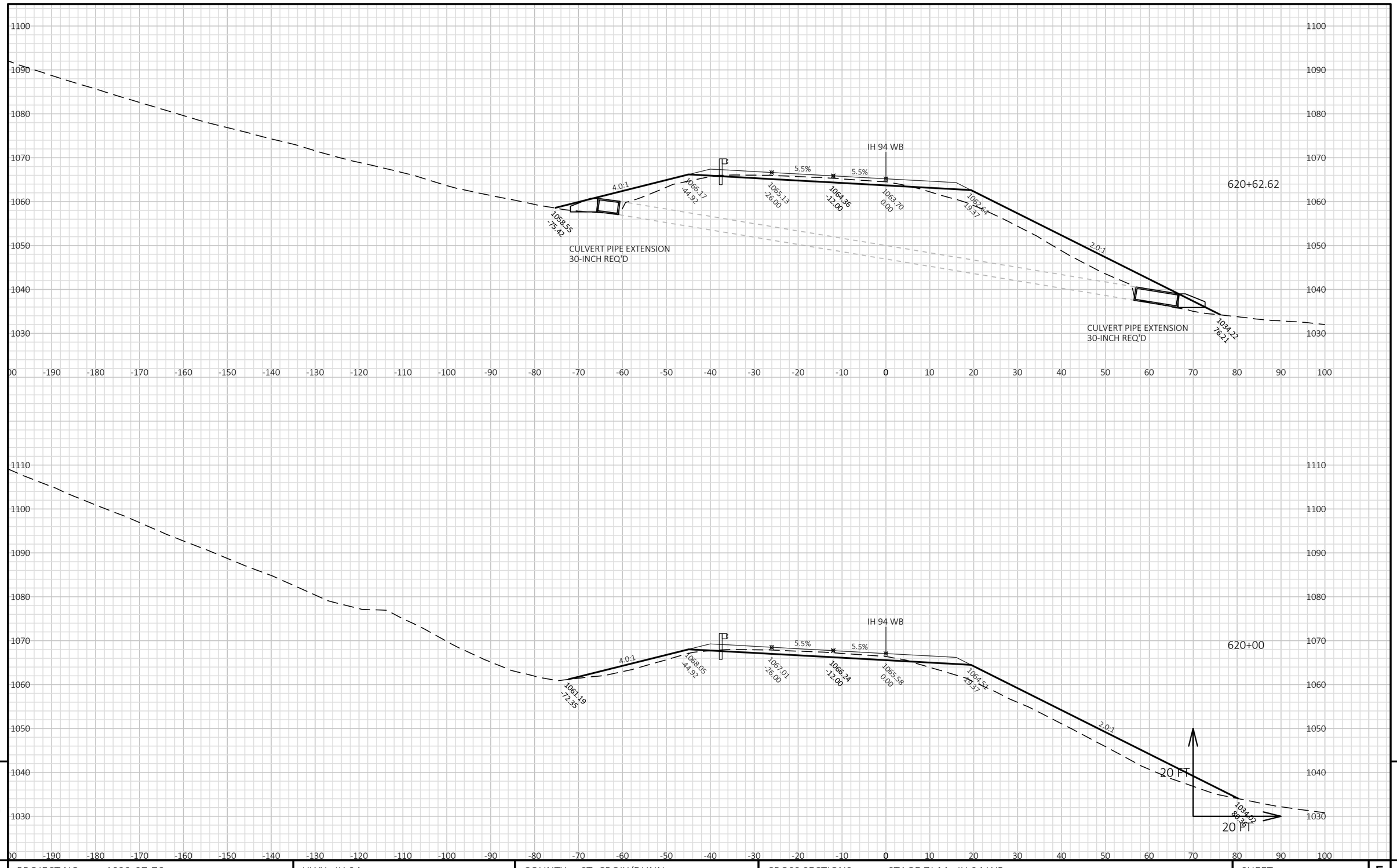
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1690	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090134_XS WB

PLOT DATE : 8/15/2018 10:34 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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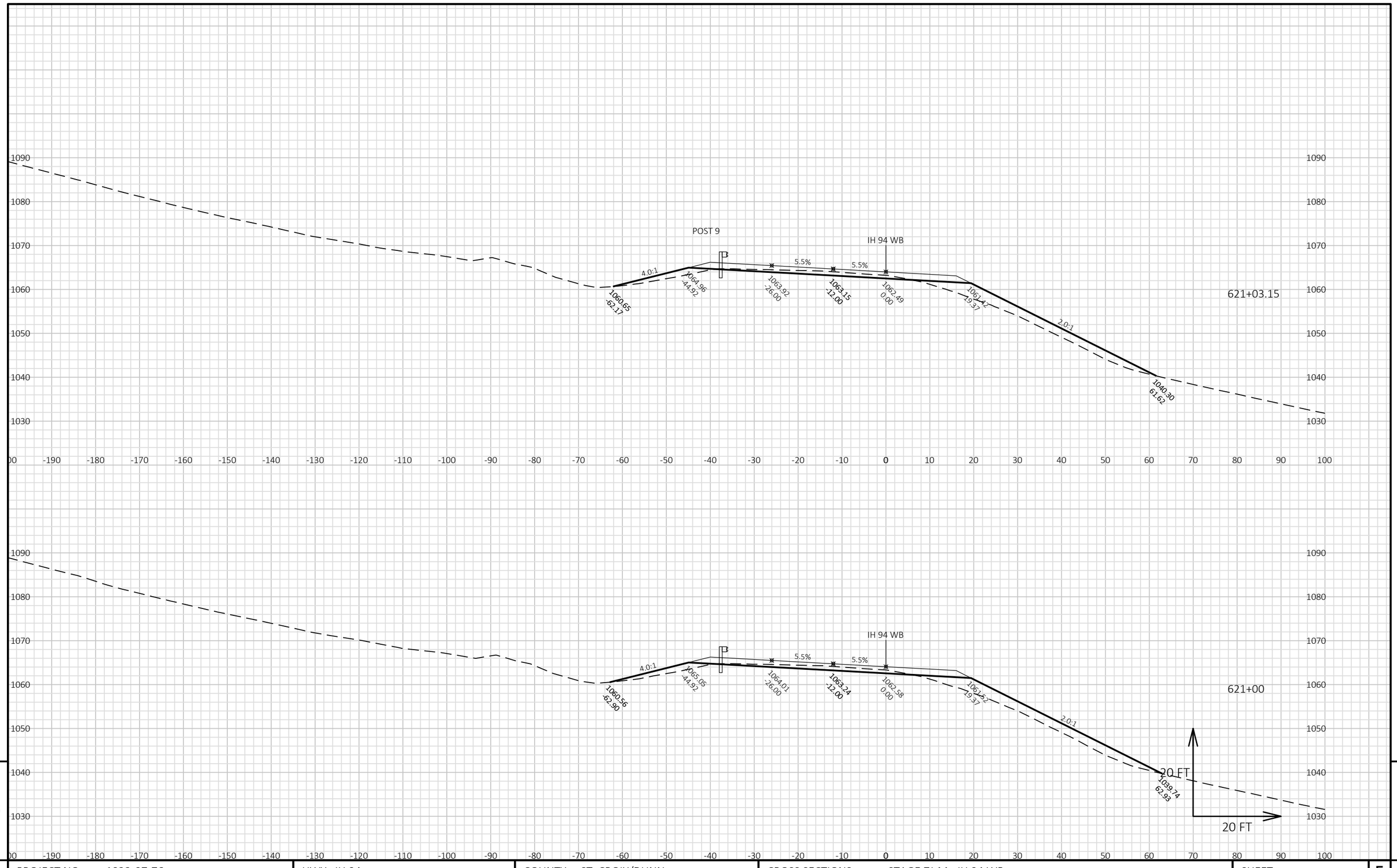
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1691 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090135_XS WB

PLOT DATE : 8/15/2018 10:34 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



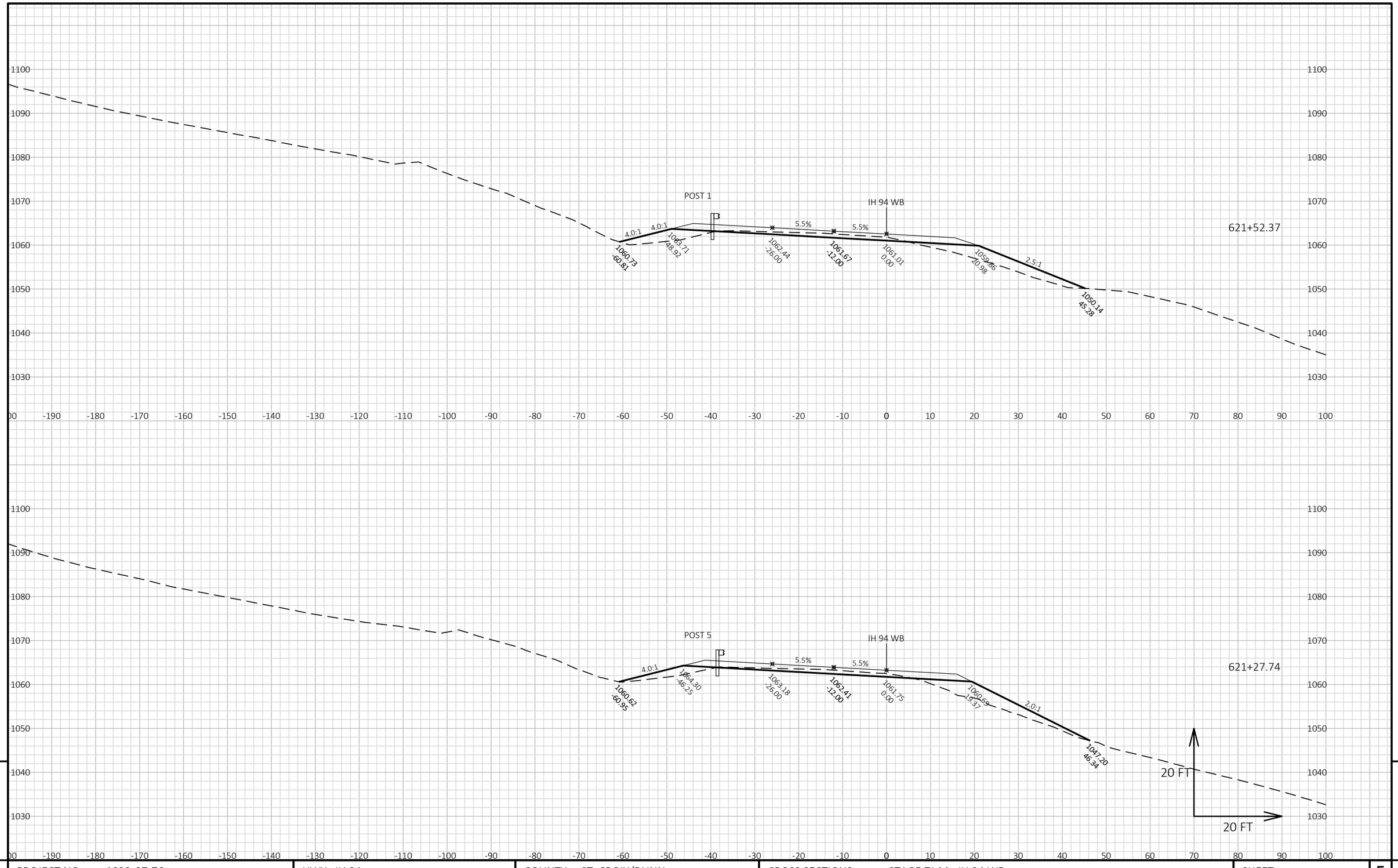
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1692 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090136_XS WB

PLOT DATE : 8/15/2018 10:35 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



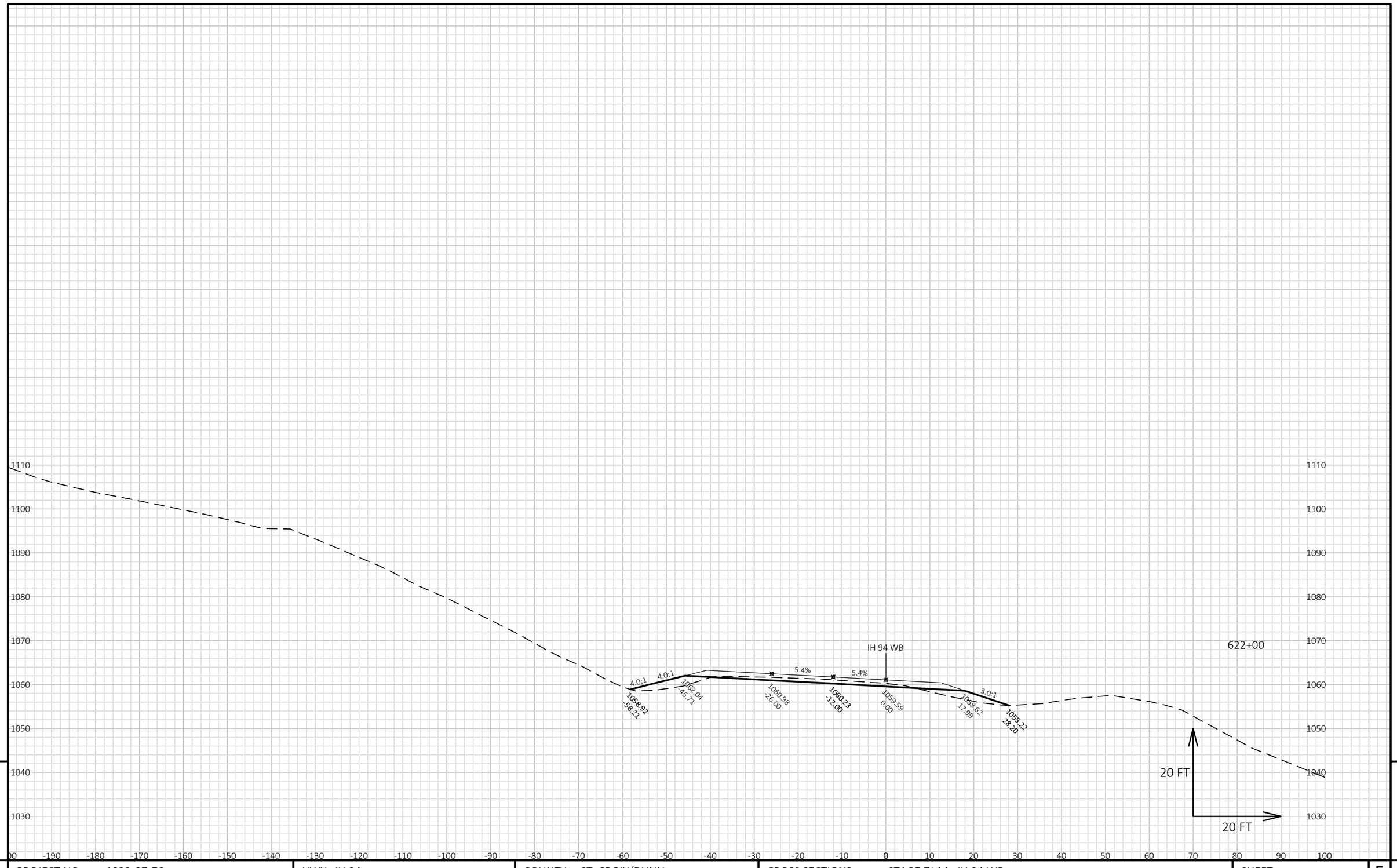
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1693	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090137_XS WB

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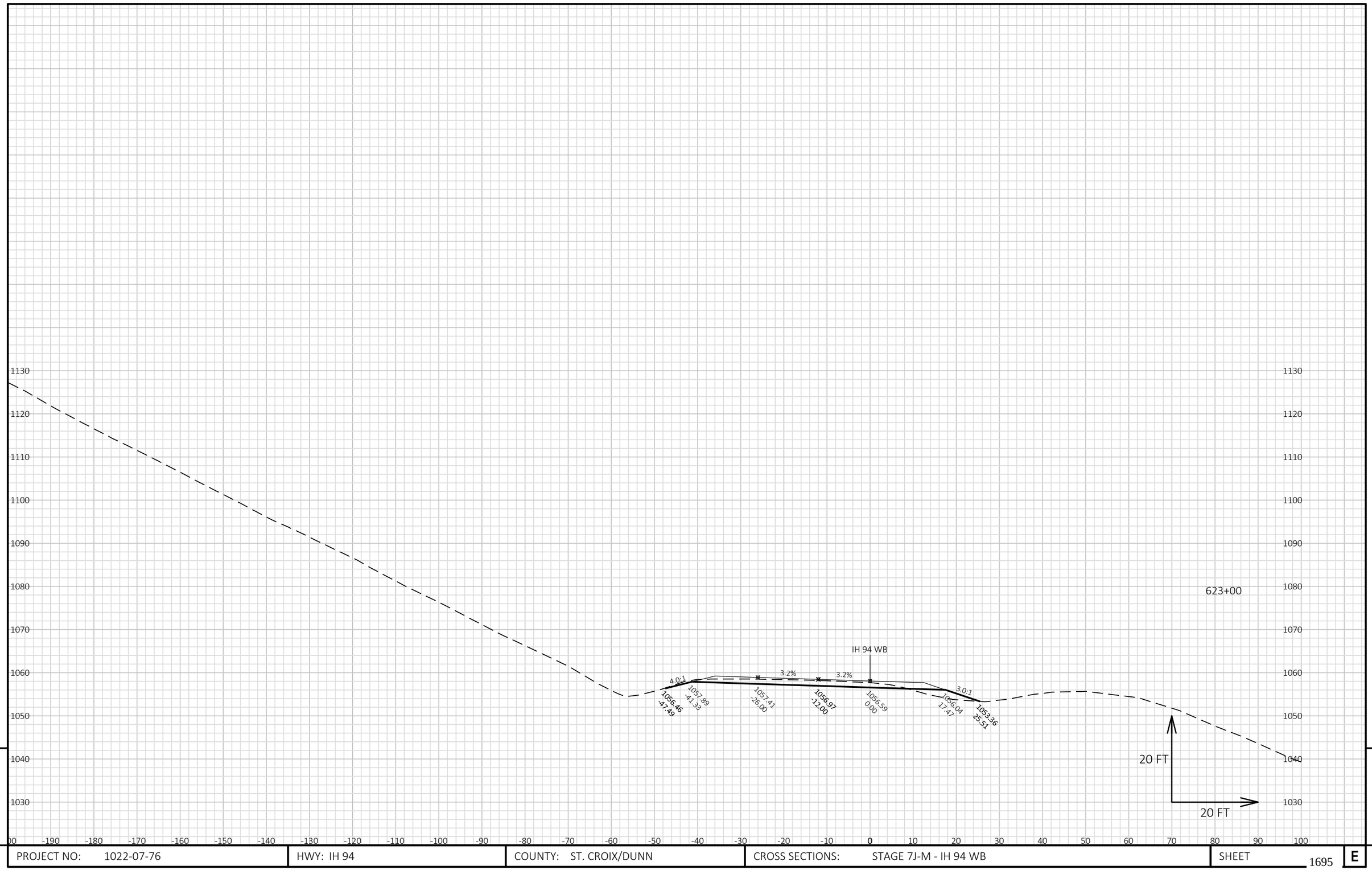
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1694	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090138_XS WB

PLOT DATE : 8/15/2018 10:35 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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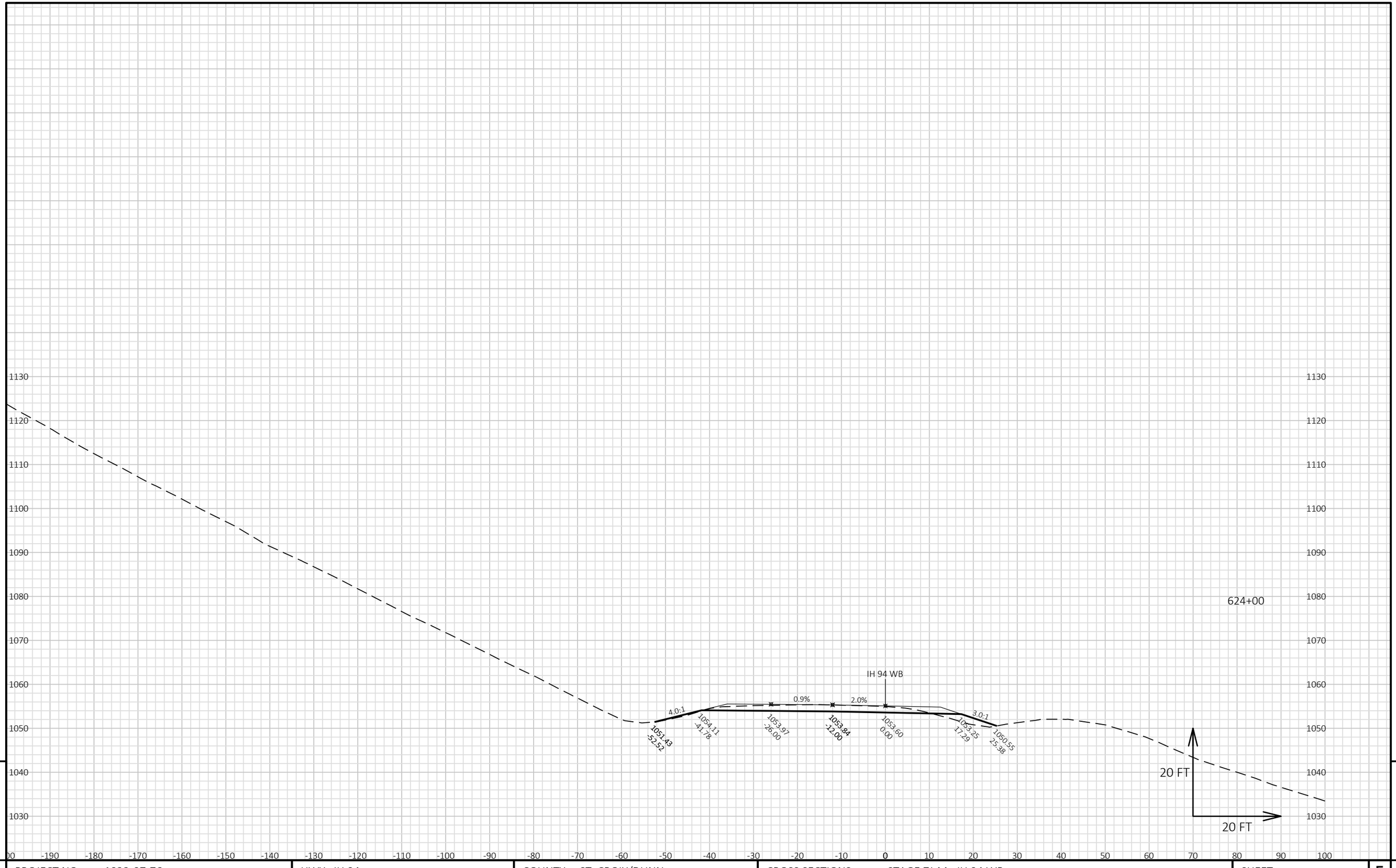
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1695	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090139_XS WB

PLOT DATE : 8/15/2018 10:35 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



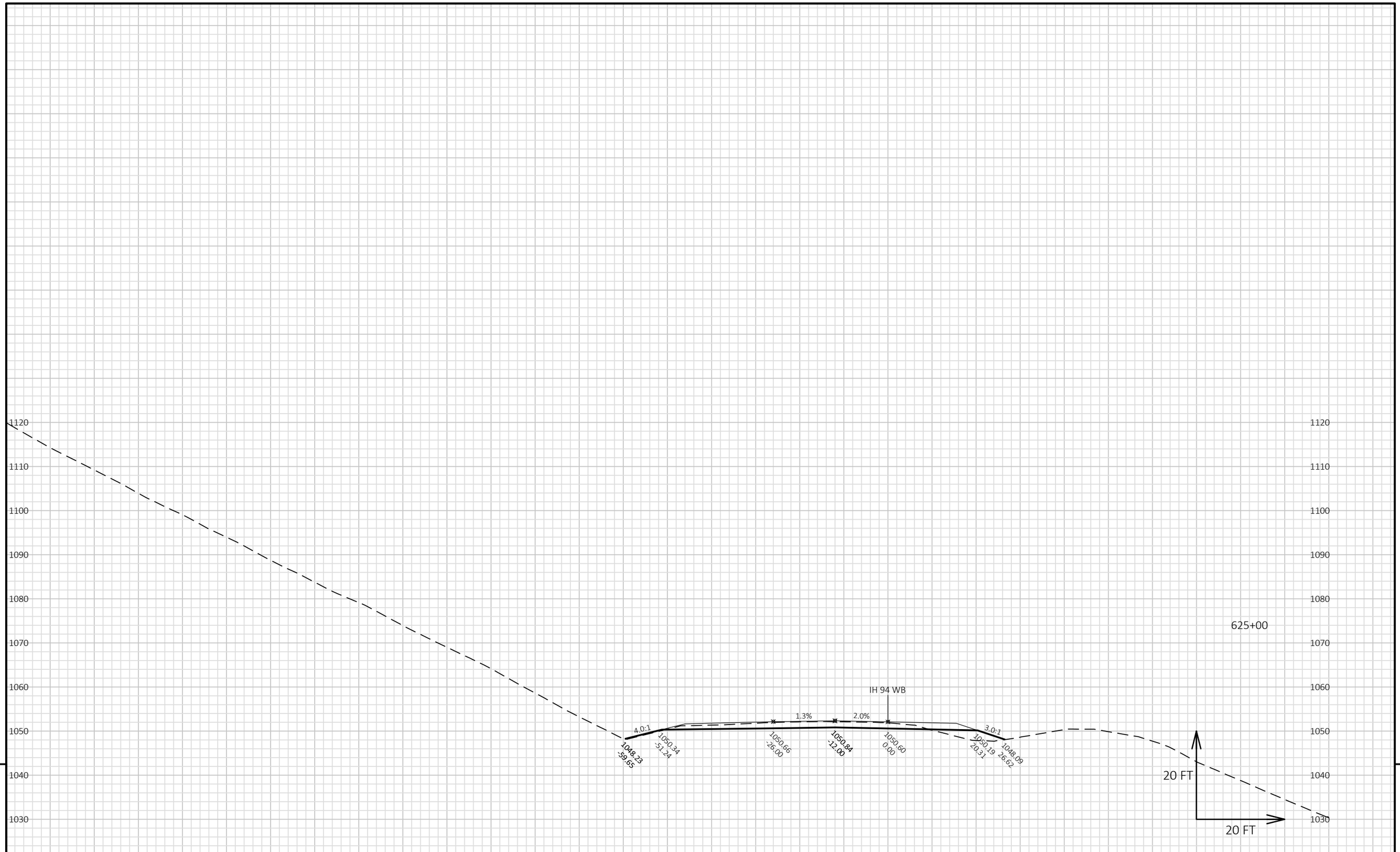
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1696	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090140_XS WB

PLOT DATE : 8/15/2018 10:35 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



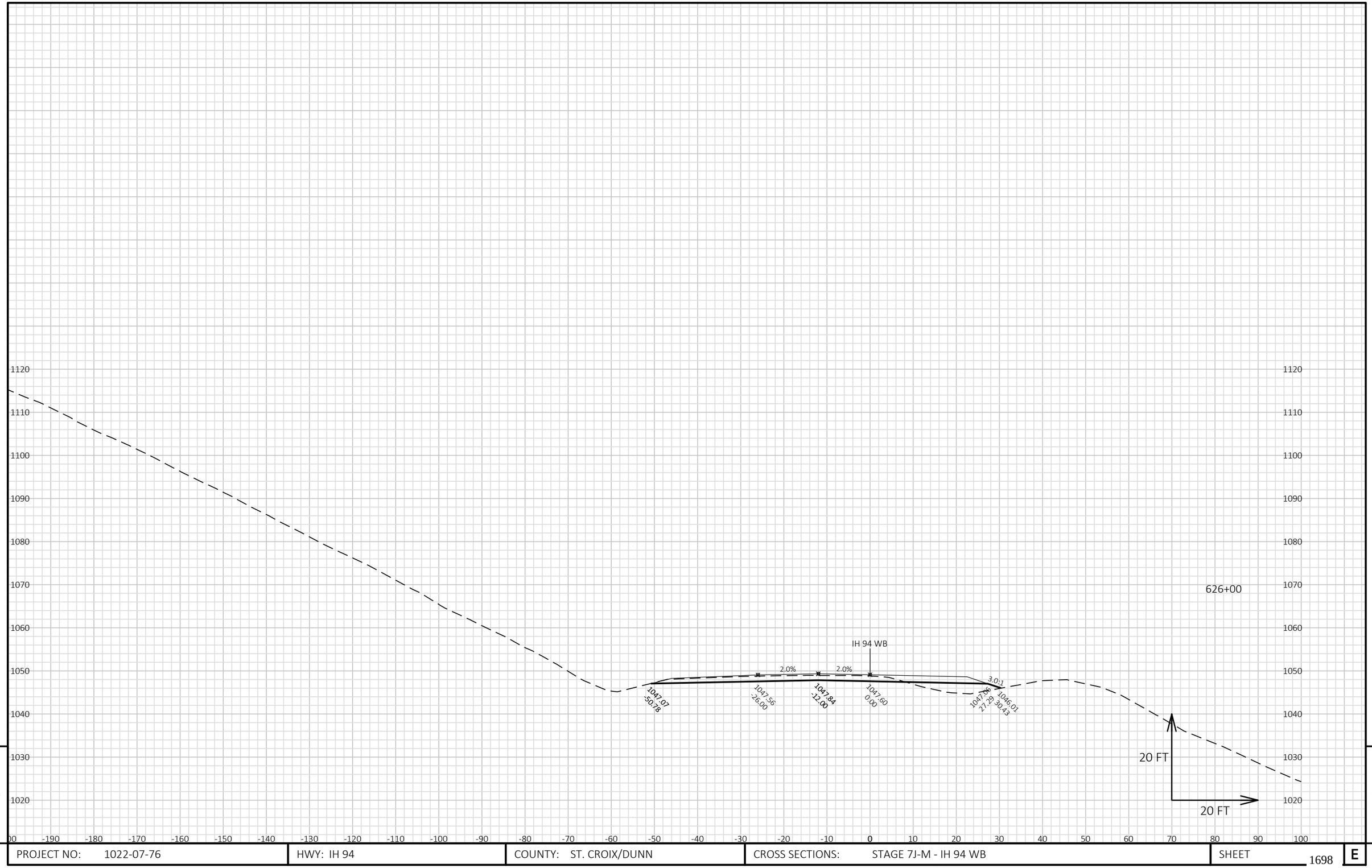
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1697 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090141_XS WB

PLOT DATE : 8/15/2018 10:35 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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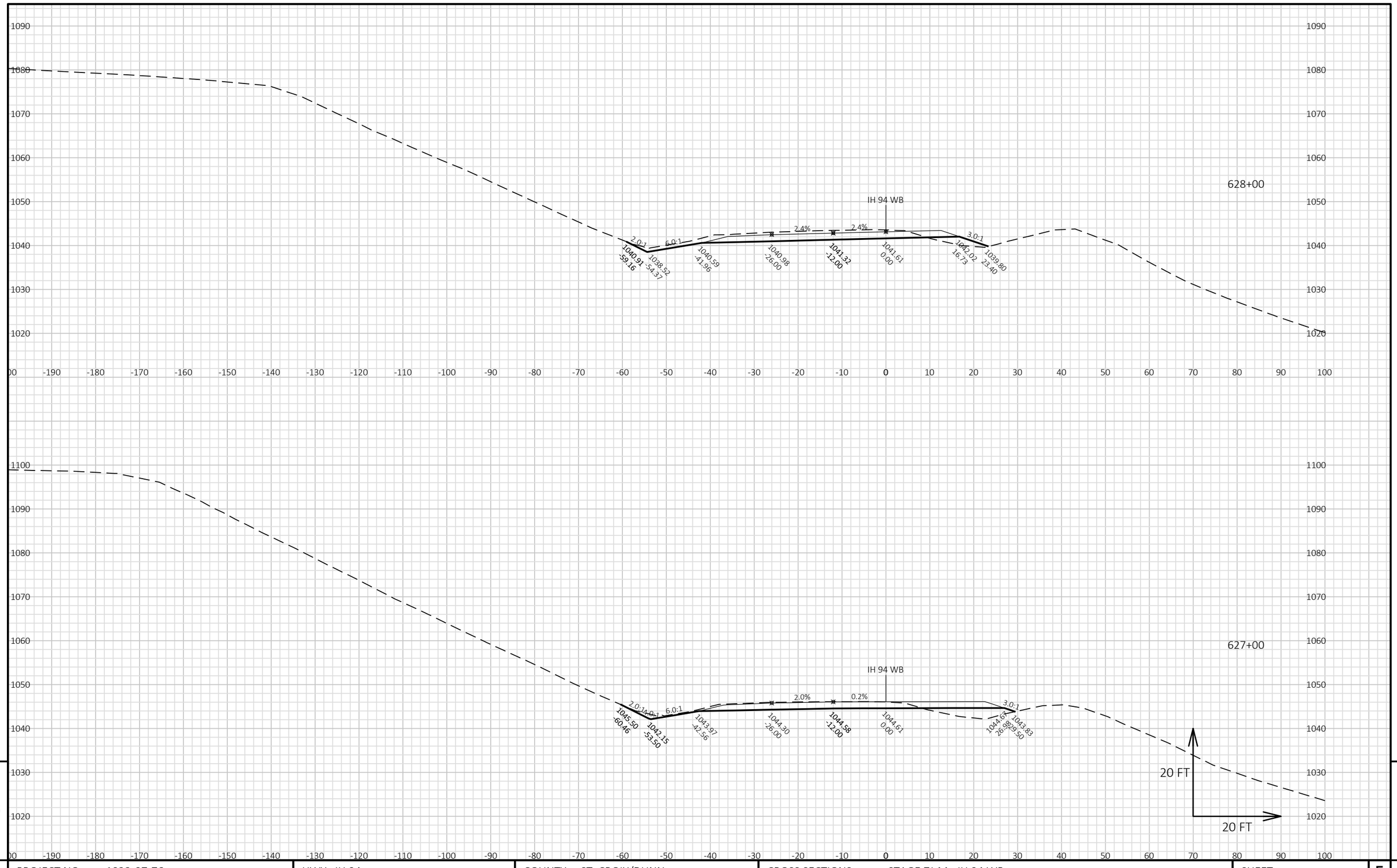
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1698	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090142_XS WB

PLOT DATE : 8/15/2018 10:36 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



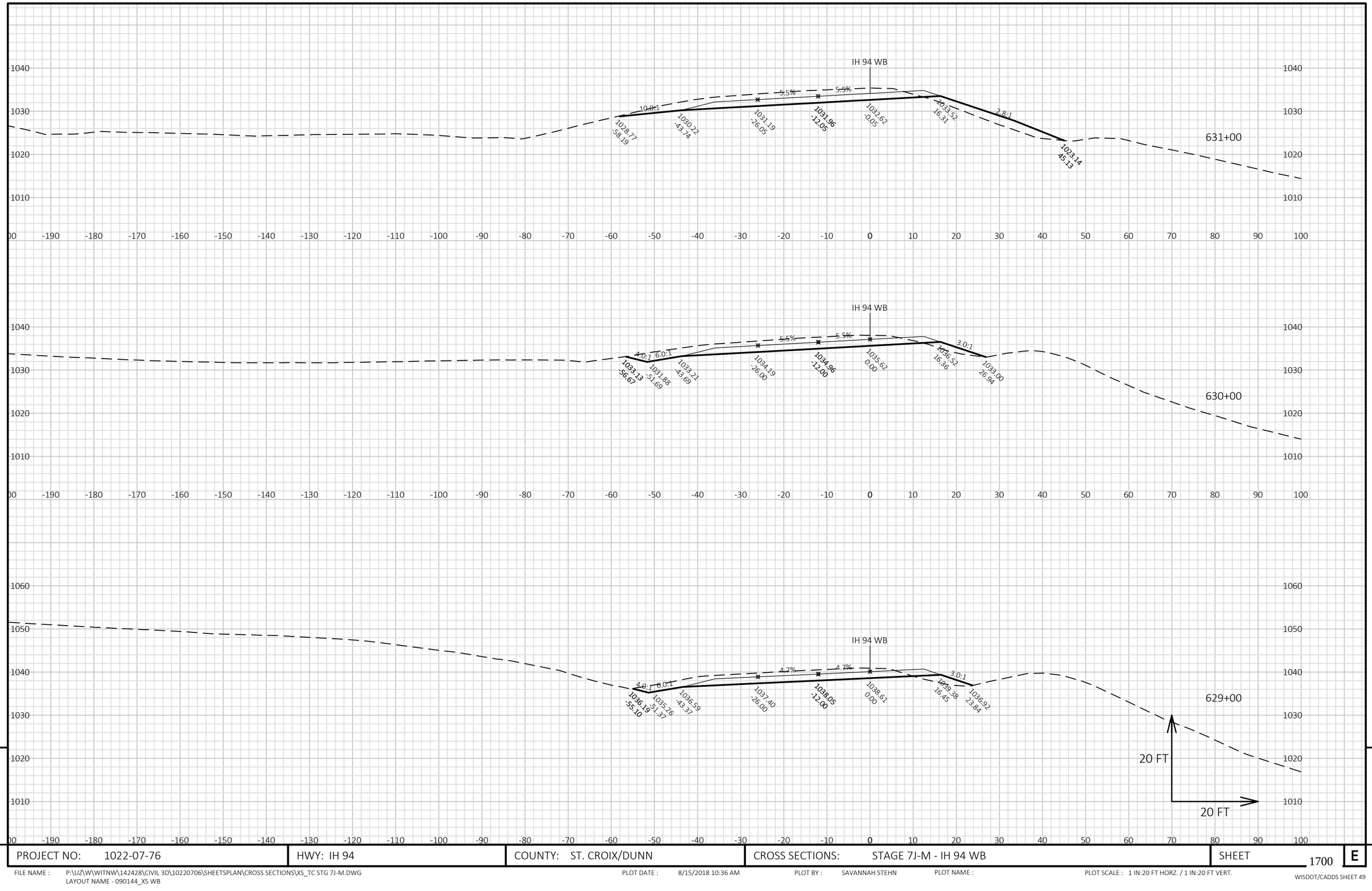
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1699	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090143_XS WB

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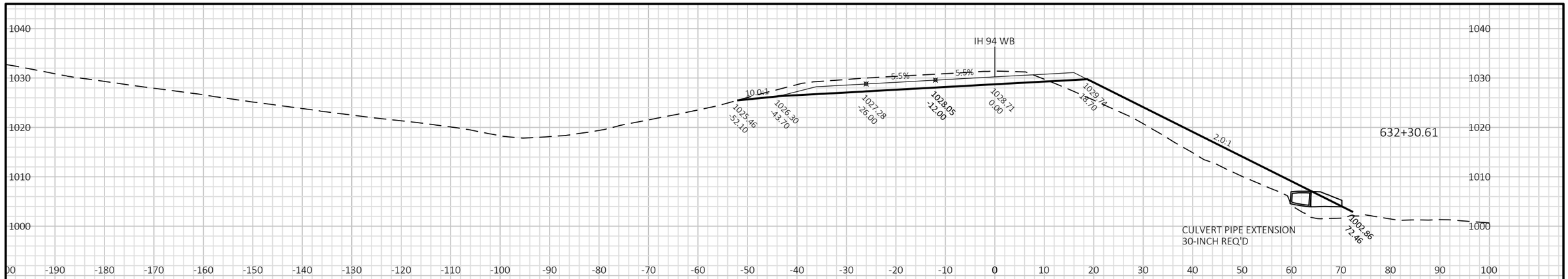


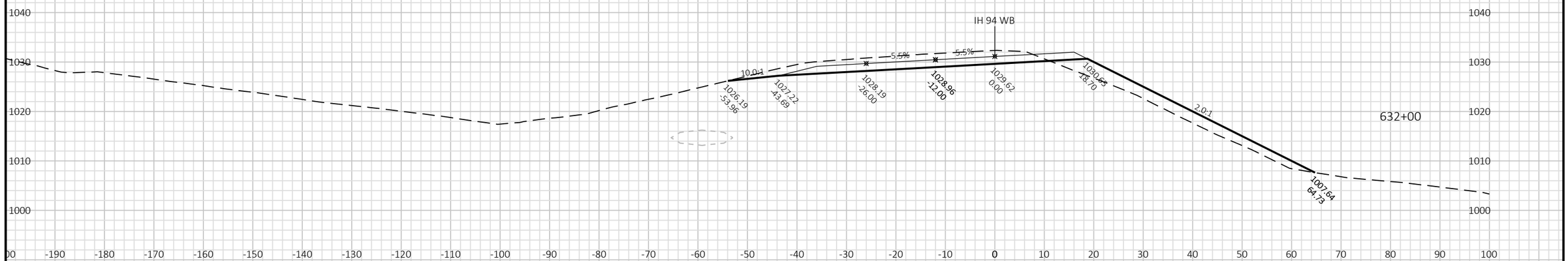
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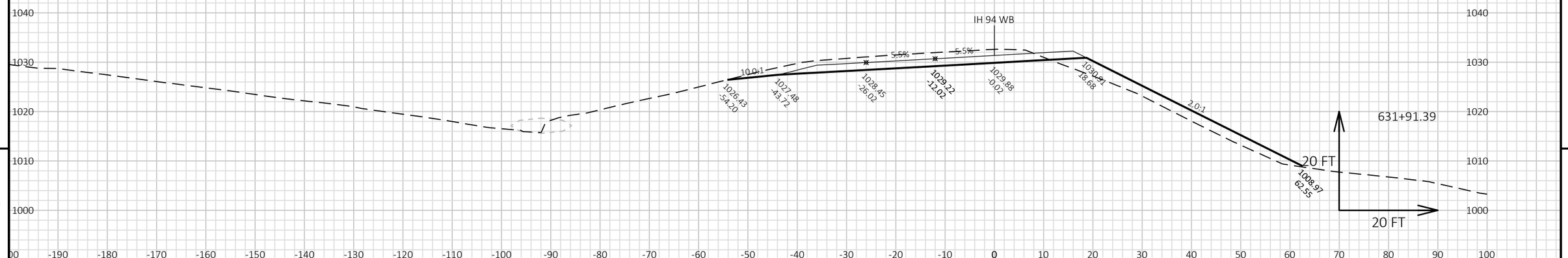
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LAYOUT NAME - 090144_XS WB

PLOT DATE : 8/15/2018 10:36 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







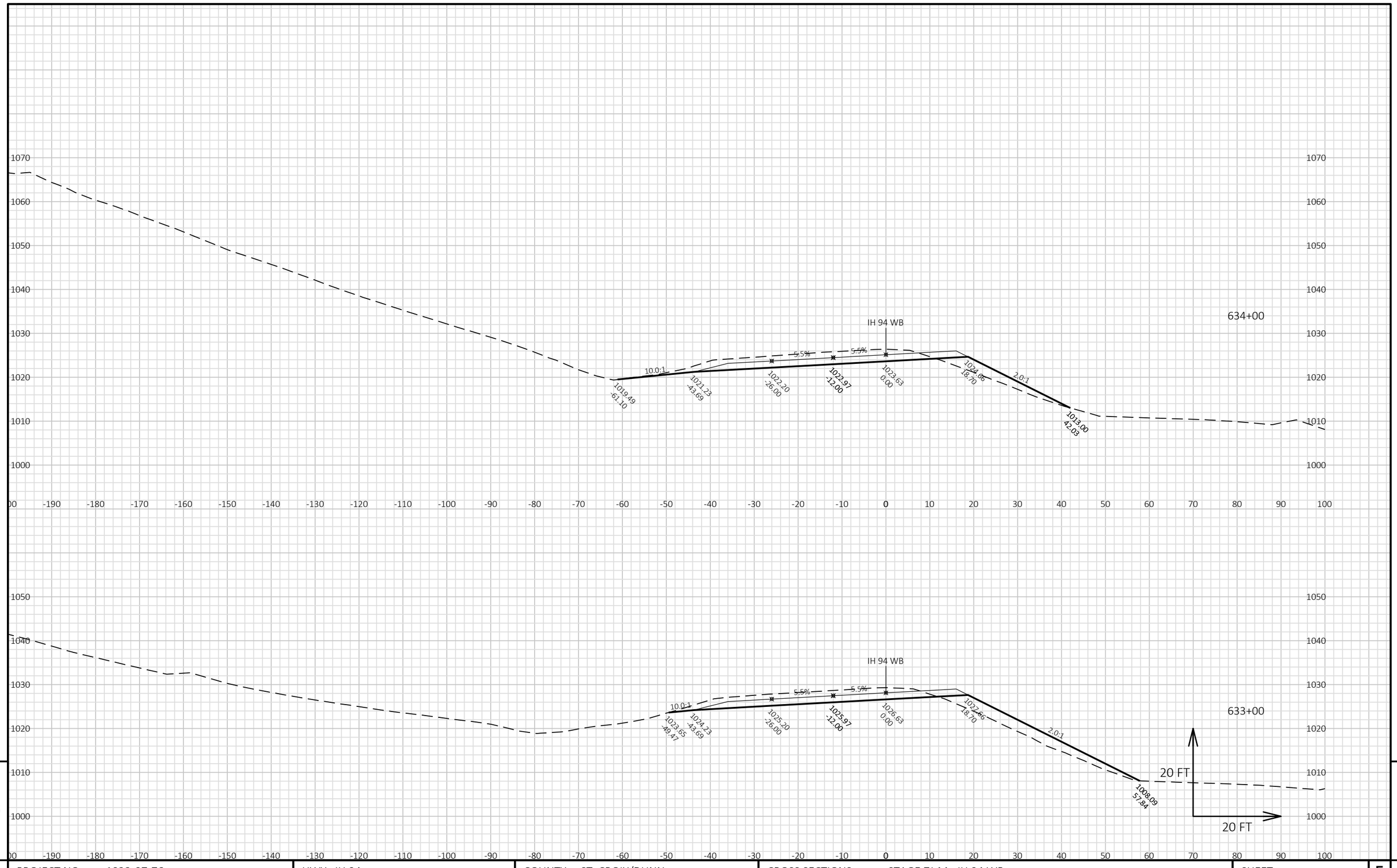
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1701 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090145_XS WB

PLOT DATE : 8/15/2018 10:36 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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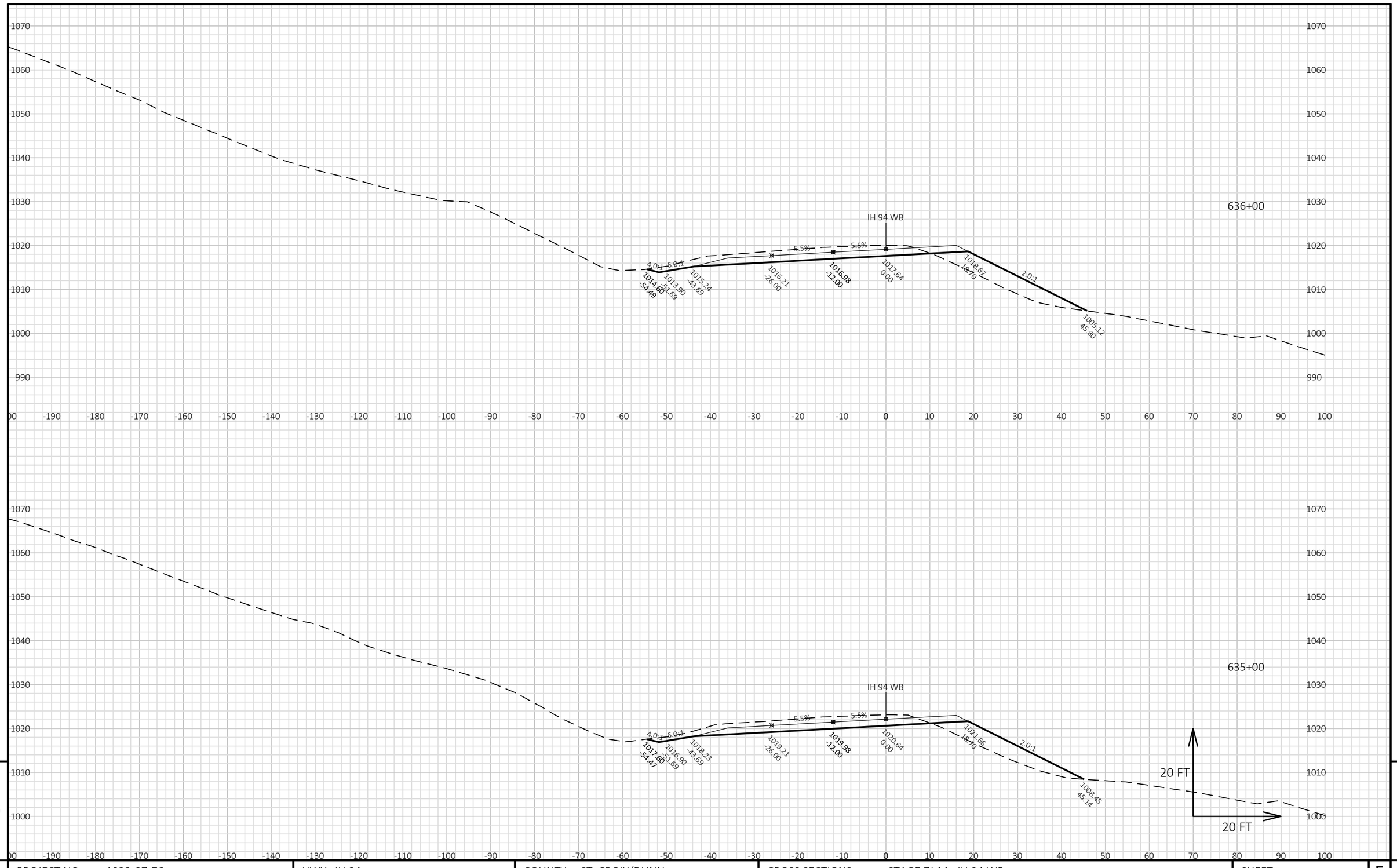


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1702 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090146_XS WB

PLOT DATE : 8/15/2018 10:36 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

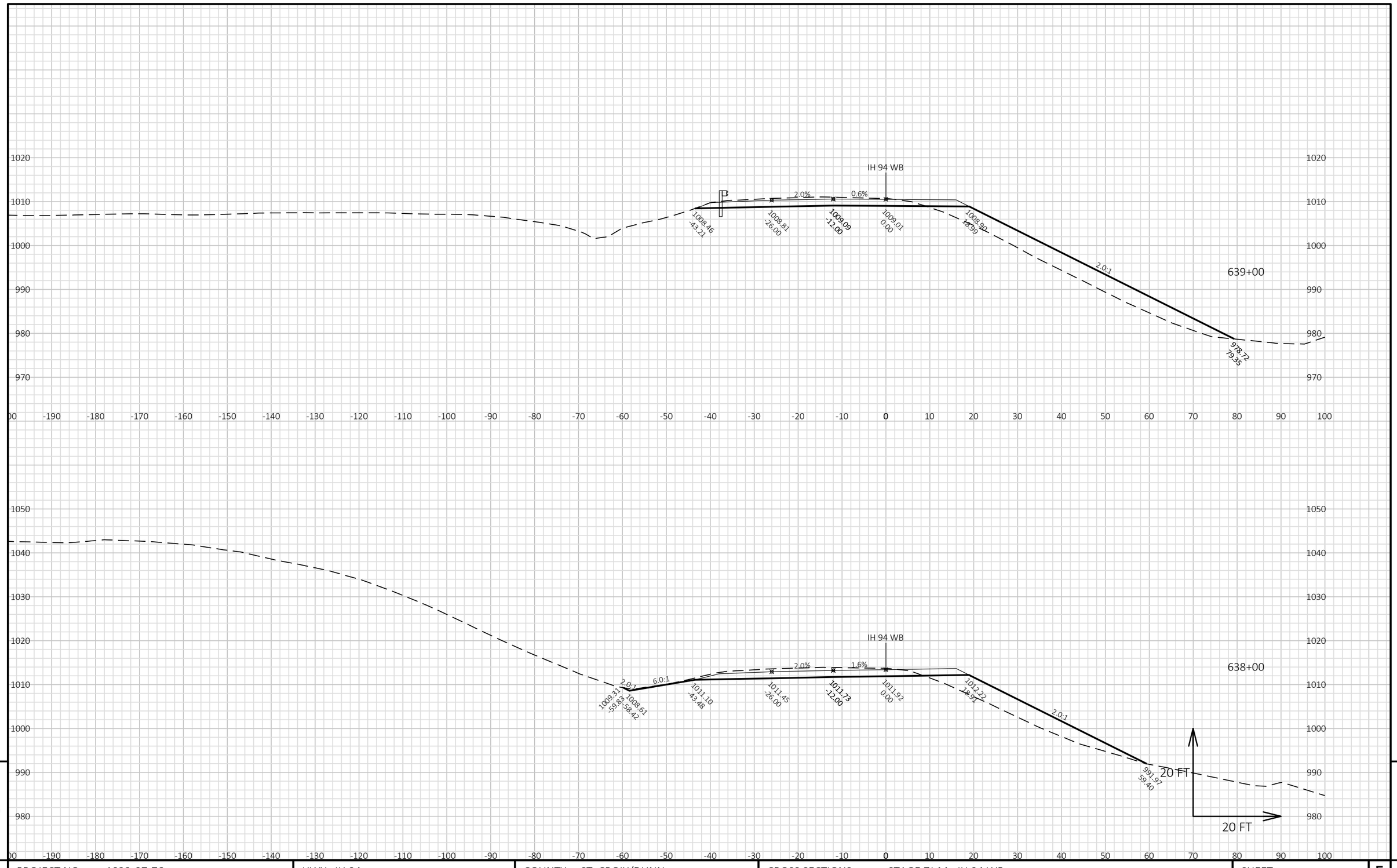


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1703 E

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LAYOUT NAME - 090147_XS WB

PLOT DATE : 8/15/2018 10:36 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



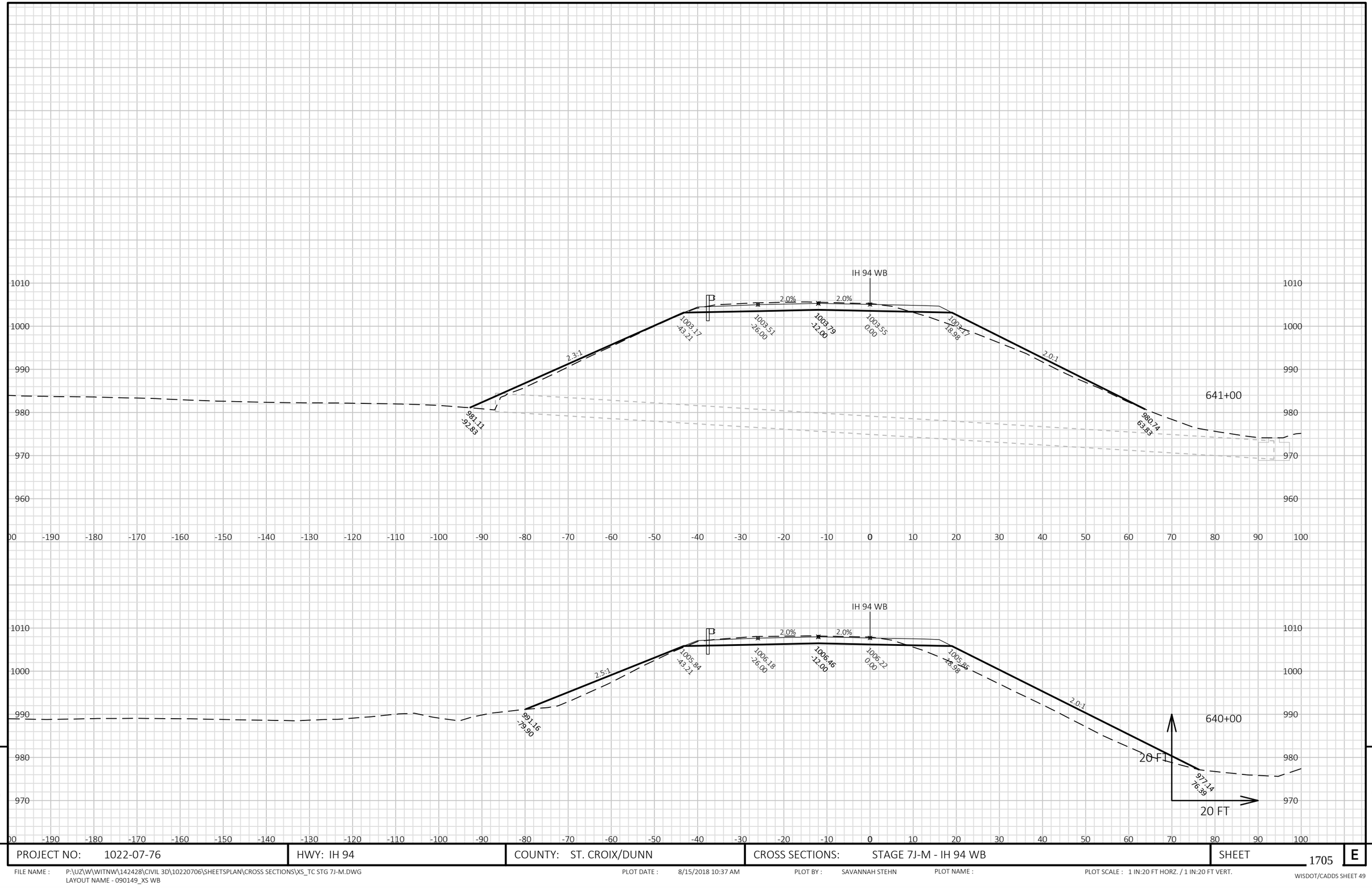
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1704 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090148_XS WB

PLOT DATE : 8/15/2018 10:37 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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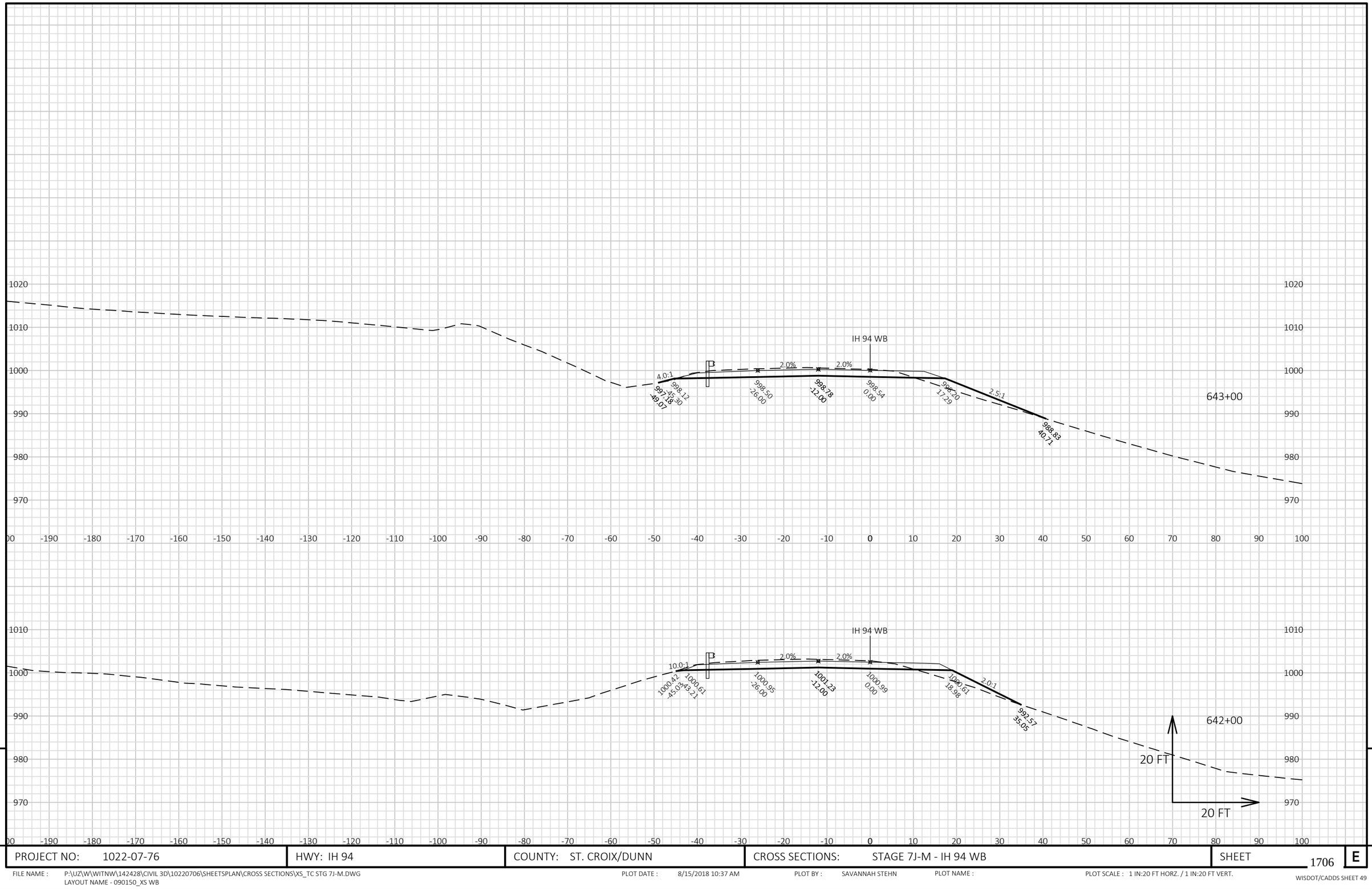
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1705	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090149_XS WB

PLOT DATE : 8/15/2018 10:37 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1706	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090150_XS WB

PLOT DATE : 8/15/2018 10:37 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

644+00

IH 94 WB

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2.0%

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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1707	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090151_XS WB

PLOT DATE : 8/15/2018 10:37 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

644+03.10

POST 9

IH 94 WB

10.0:6.0:1

2.0%

2.0%

2.5:1

20 FT

20 FT

994.88
-52.96

994.72
-51.30

995.72
-45.30

996.10
-26.00

996.38
-12.00

996.14
0.00

995.80
17.29

988.22
36.22

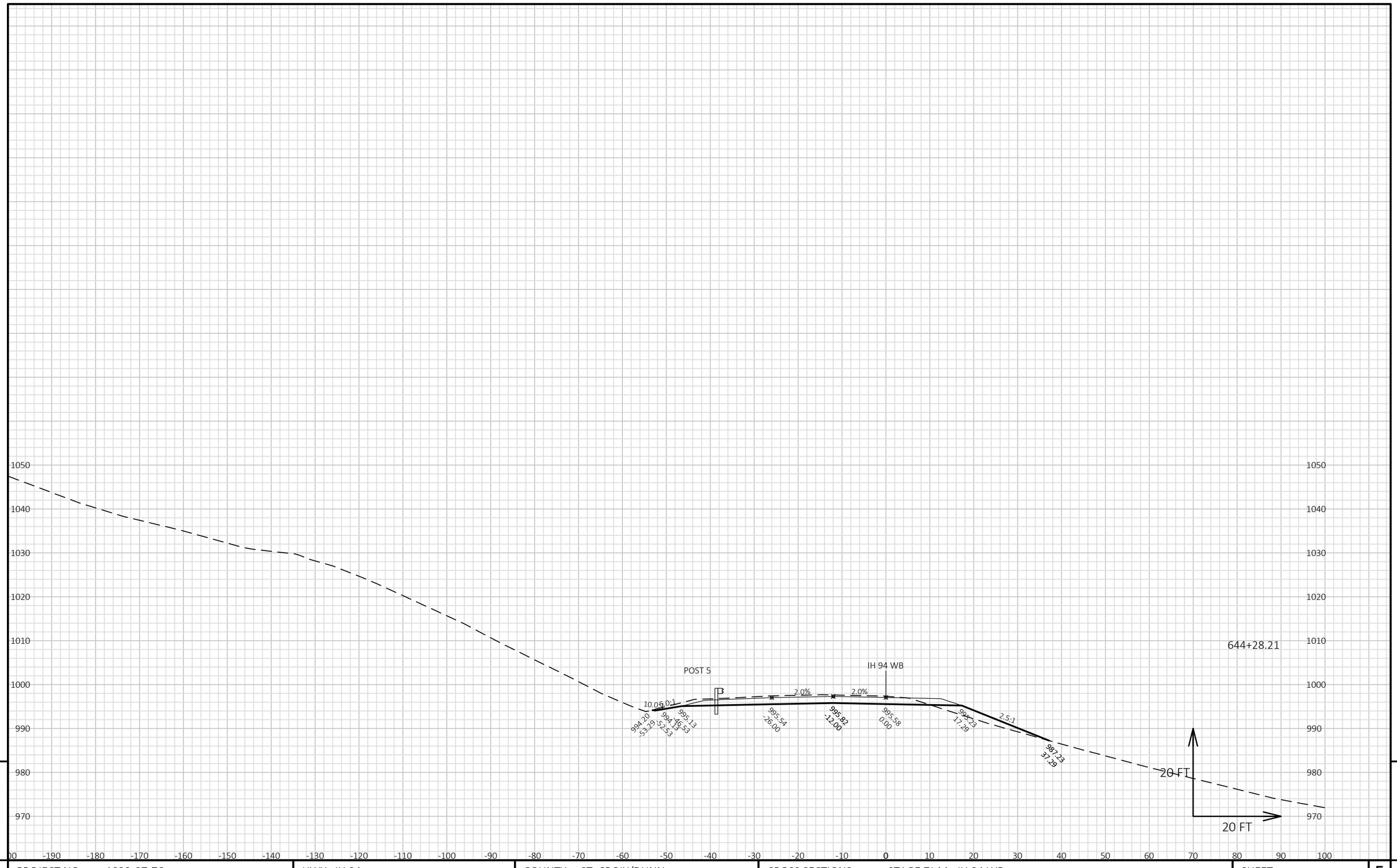
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1708	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090152_XS WB

PLOT DATE : 8/15/2018 10:37 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

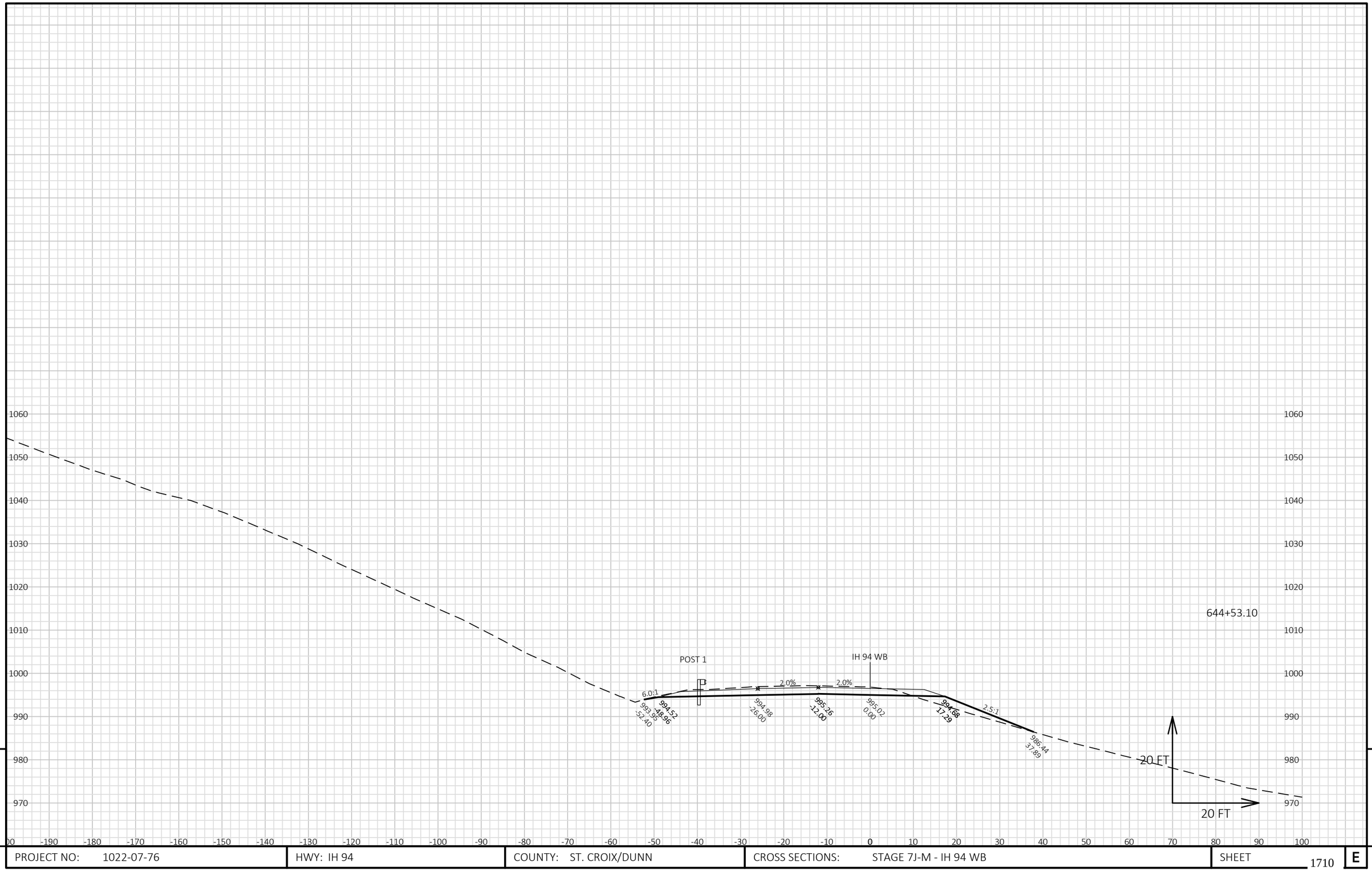


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1709 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090153_XS WB

PLOT DATE : 8/15/2018 10:37 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



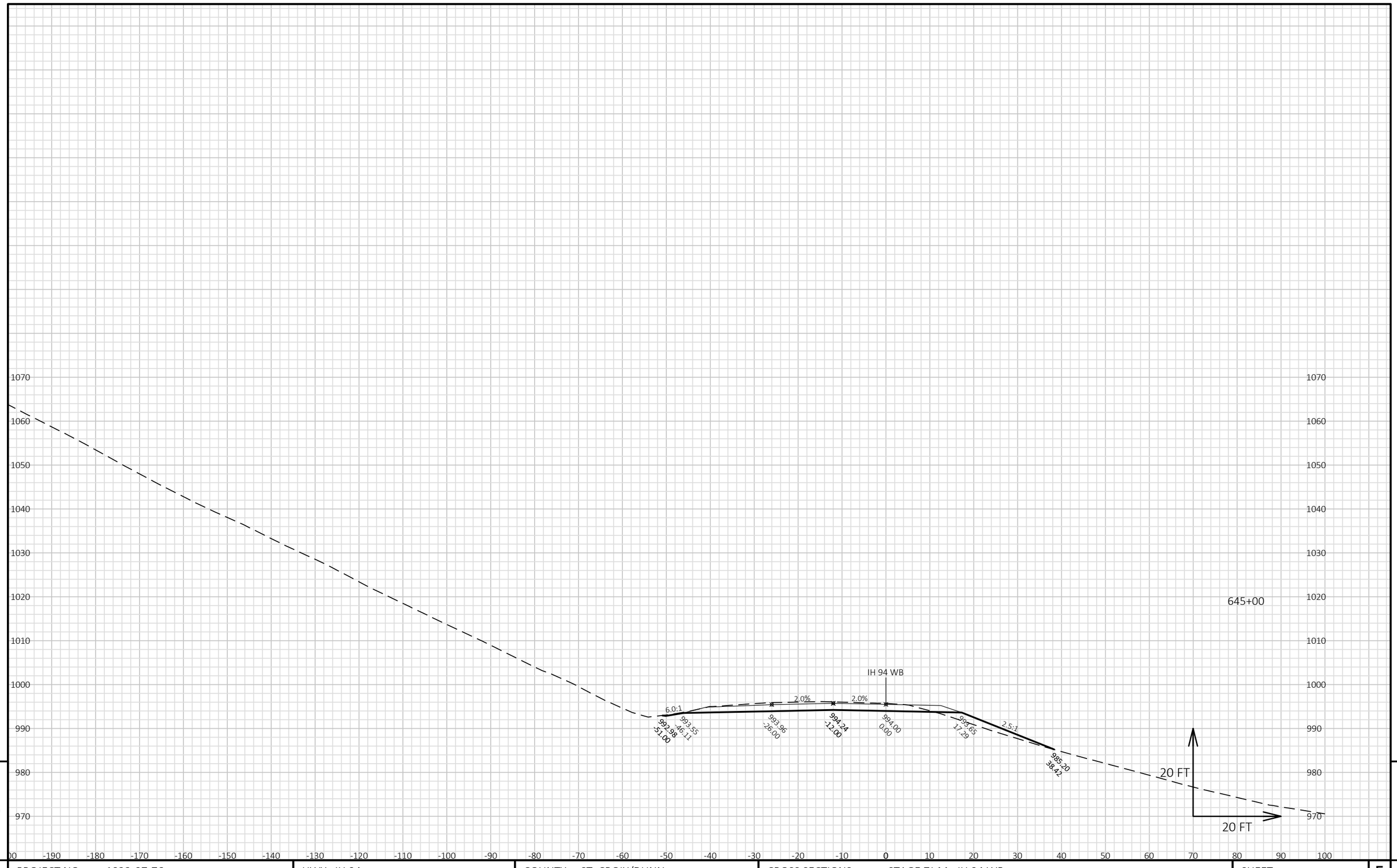
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1710	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090154_XS WB

PLOT DATE : 8/15/2018 10:38 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



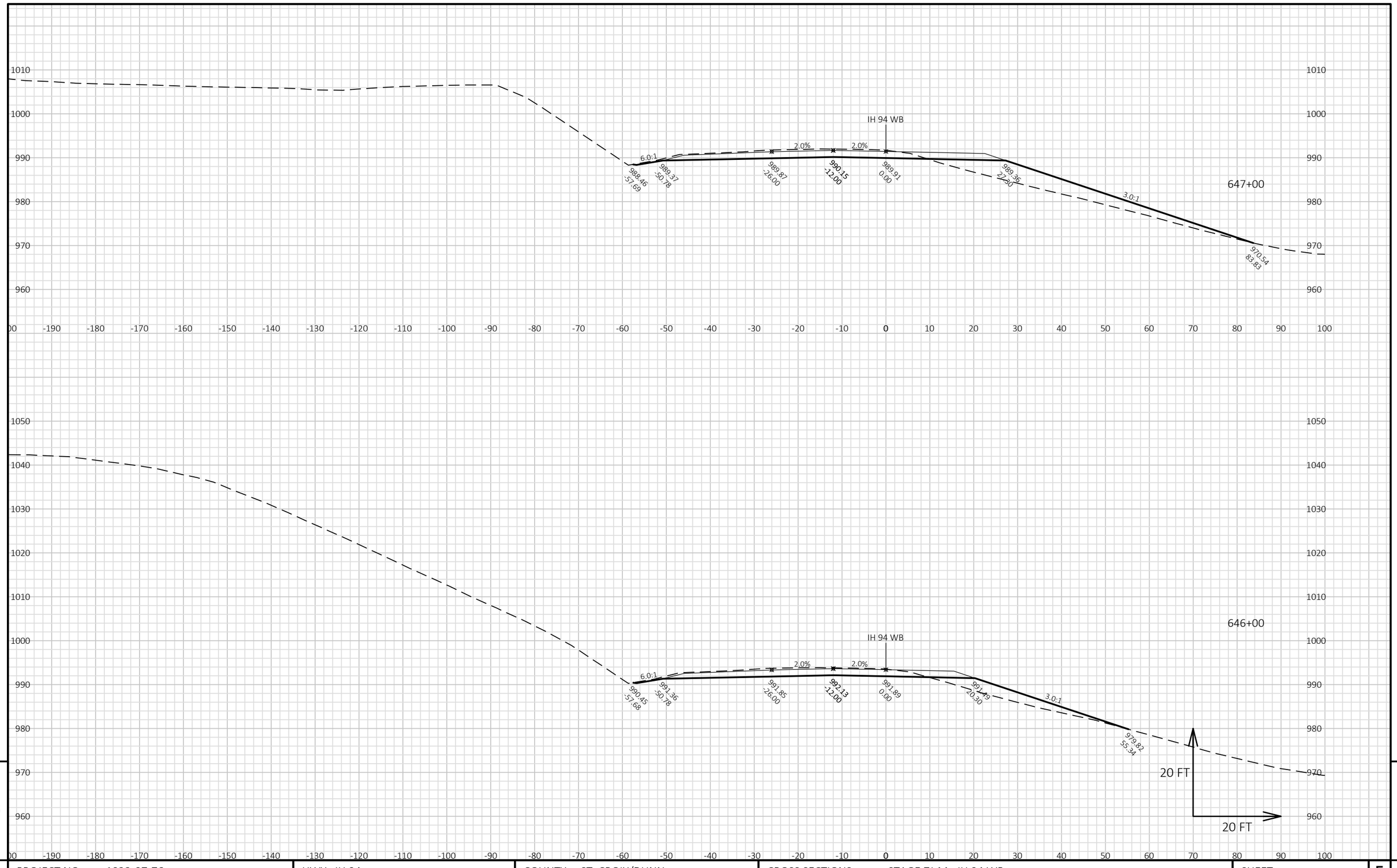
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1711 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090155_XS WB

PLOT DATE : 8/15/2018 10:38 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

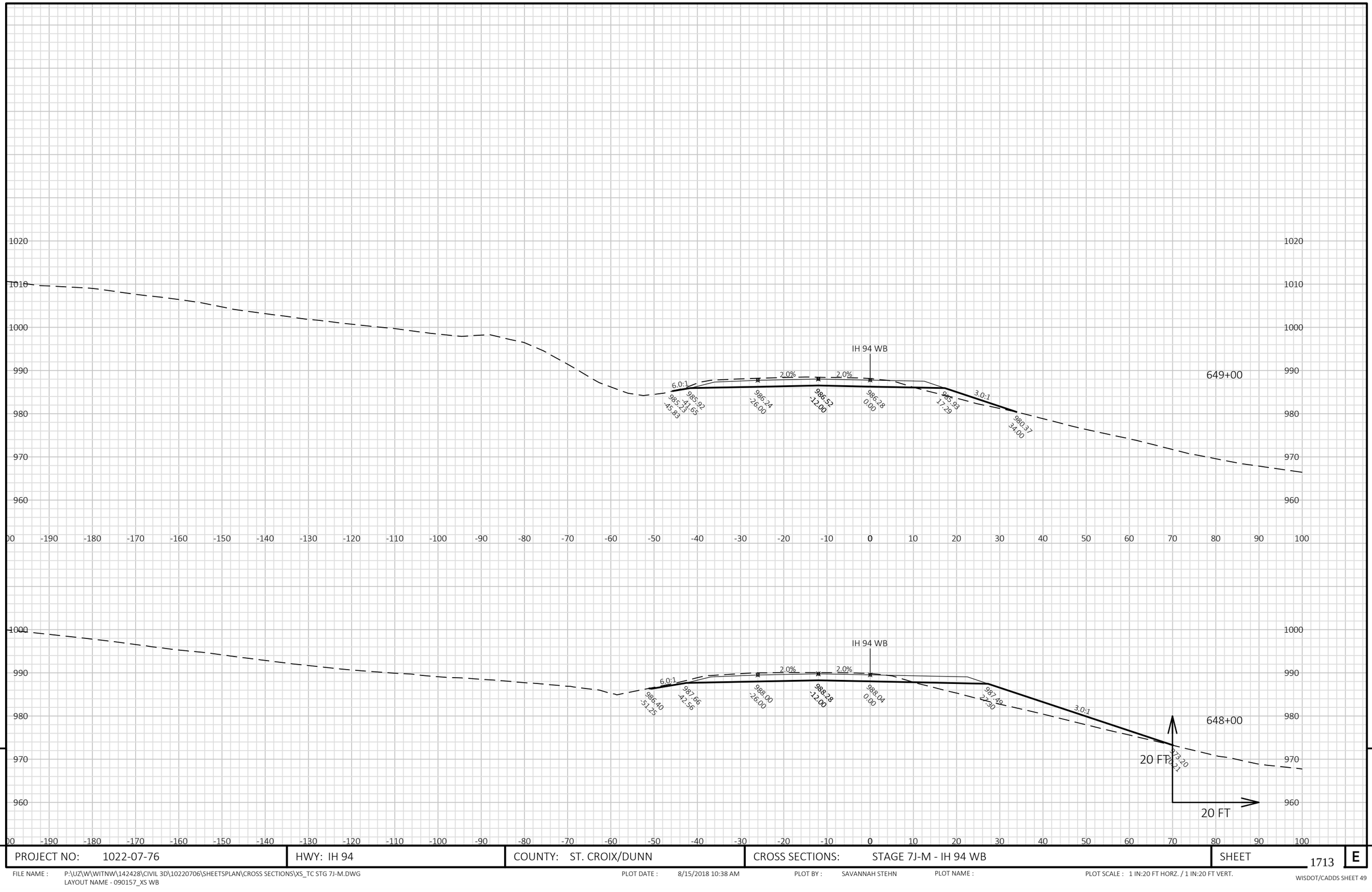


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1712	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090156_XS WB

PLOT DATE : 8/15/2018 10:38 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



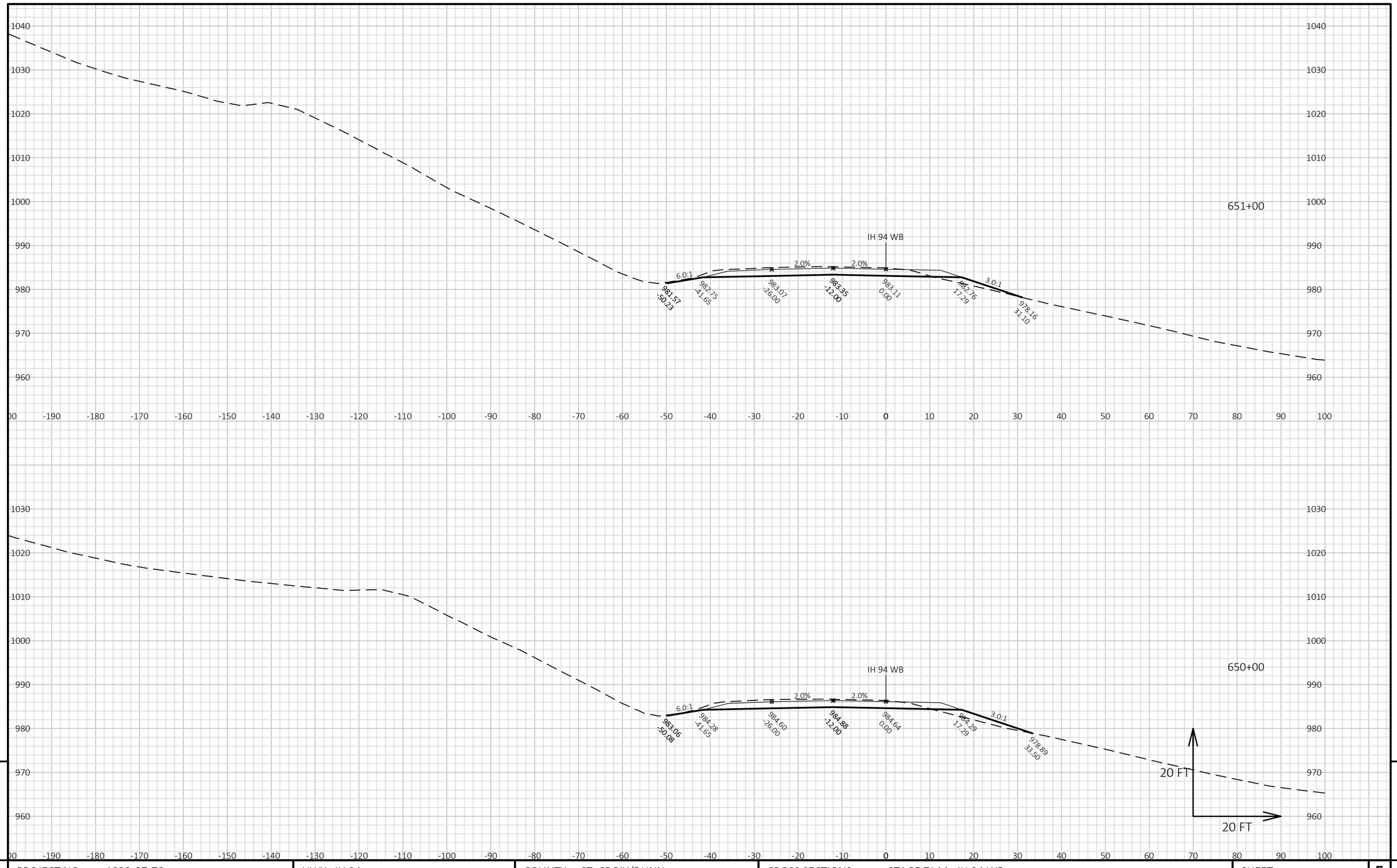
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1713	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090157_XS WB

PLOT DATE : 8/15/2018 10:38 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

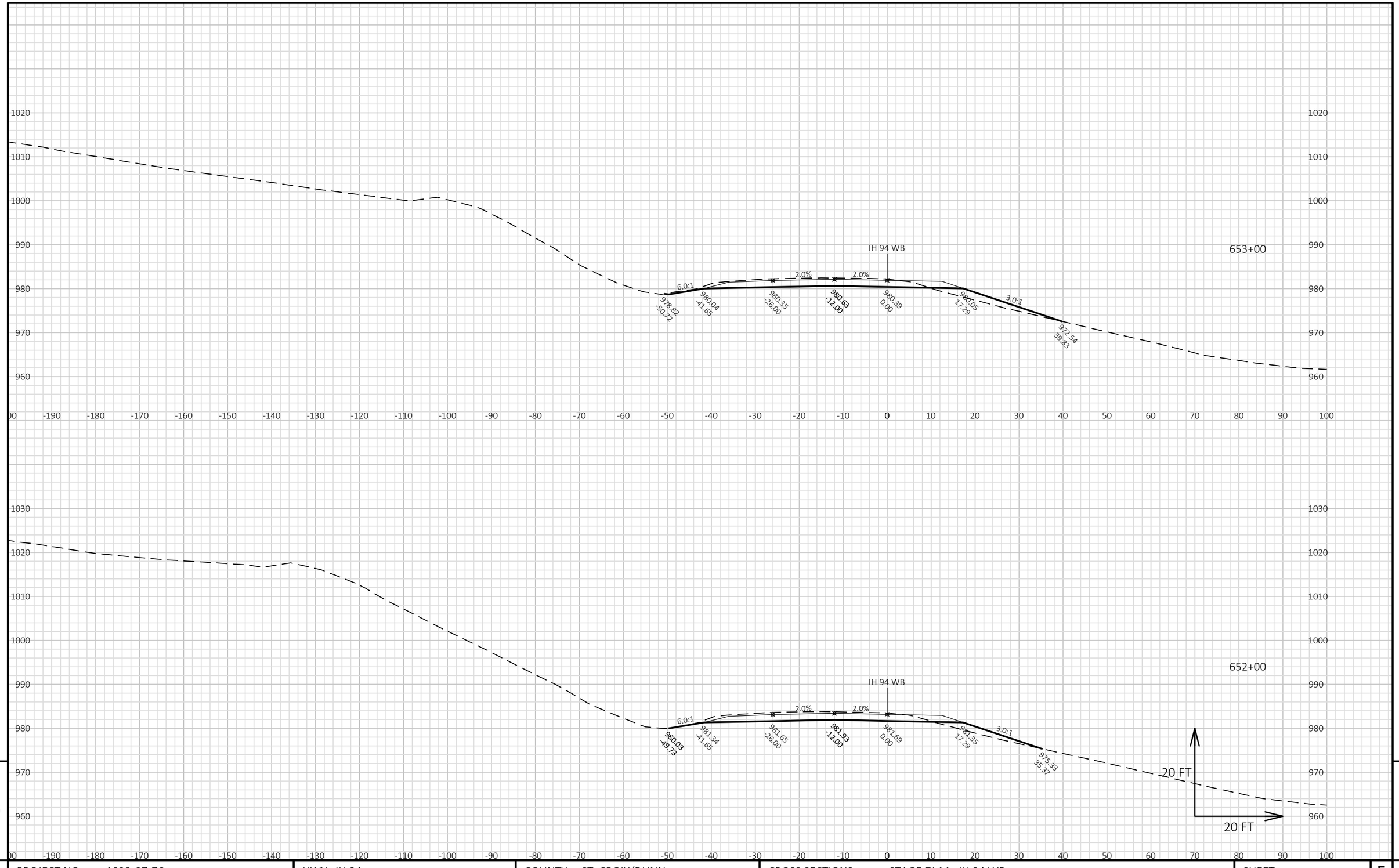


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1714	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090158_XS WB

PLOT DATE : 8/15/2018 10:38 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

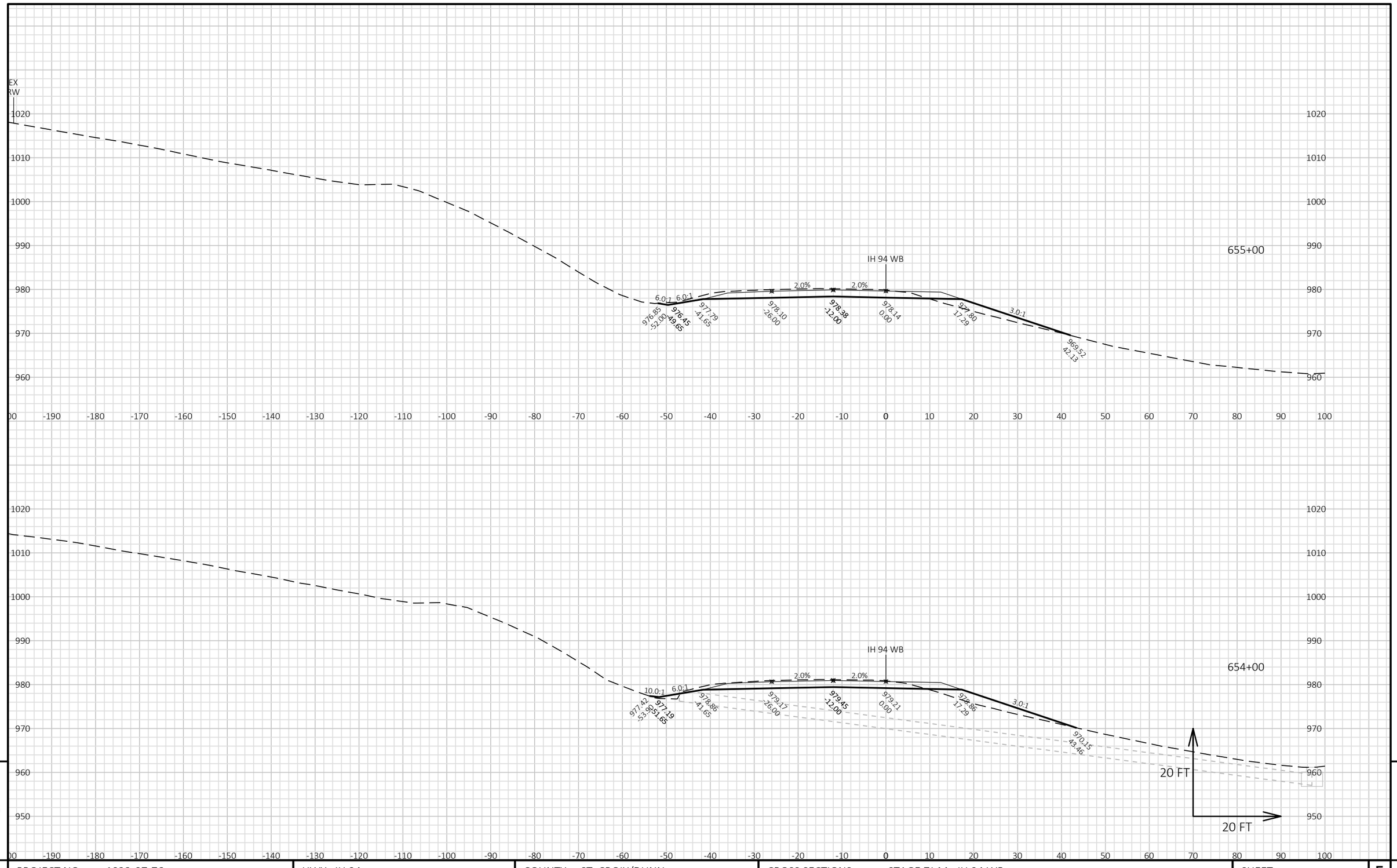


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1715 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090159_XS WB

PLOT DATE : 8/15/2018 10:38 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



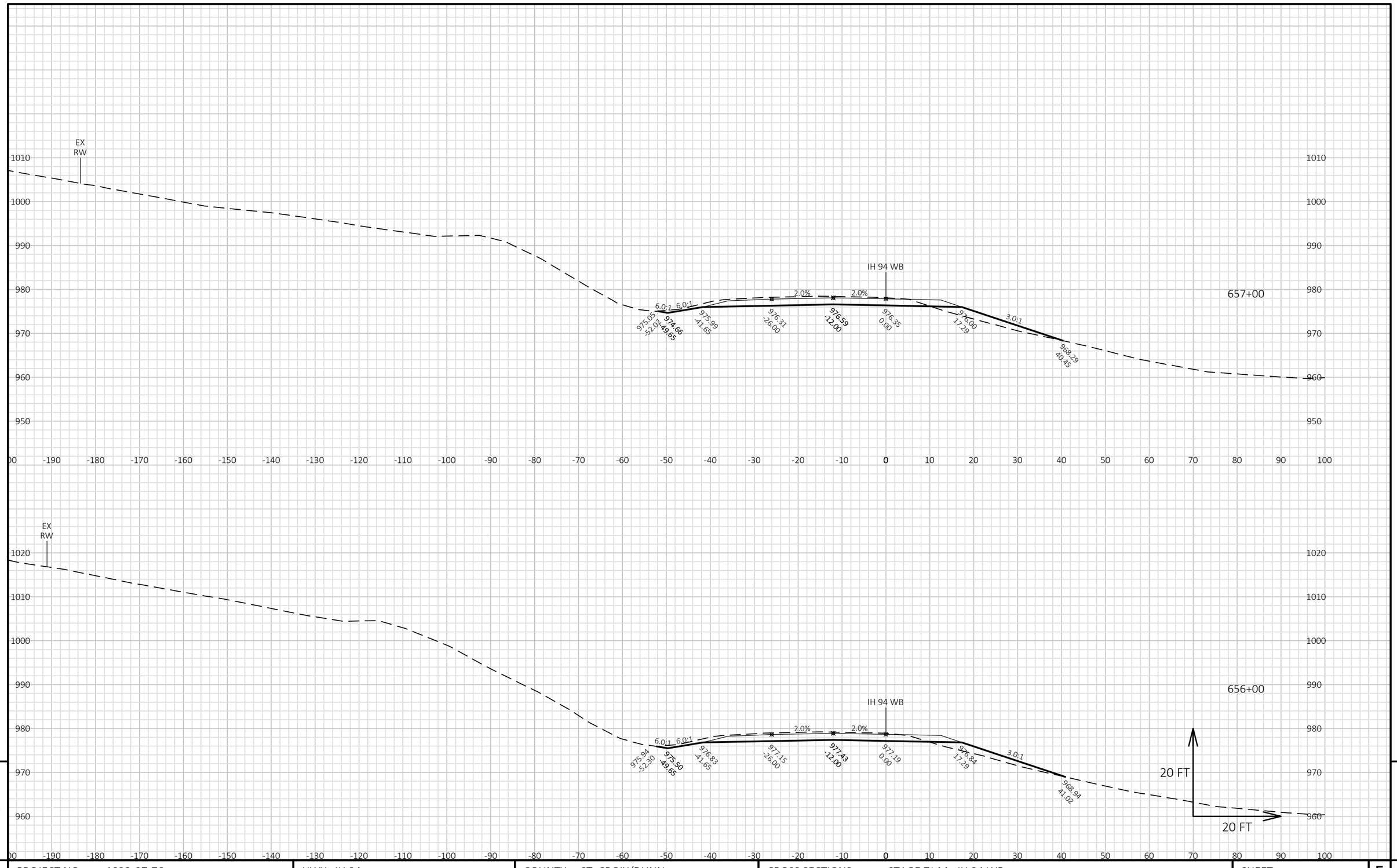
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1716	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090160_XS WB

PLOT DATE : 8/15/2018 10:39 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

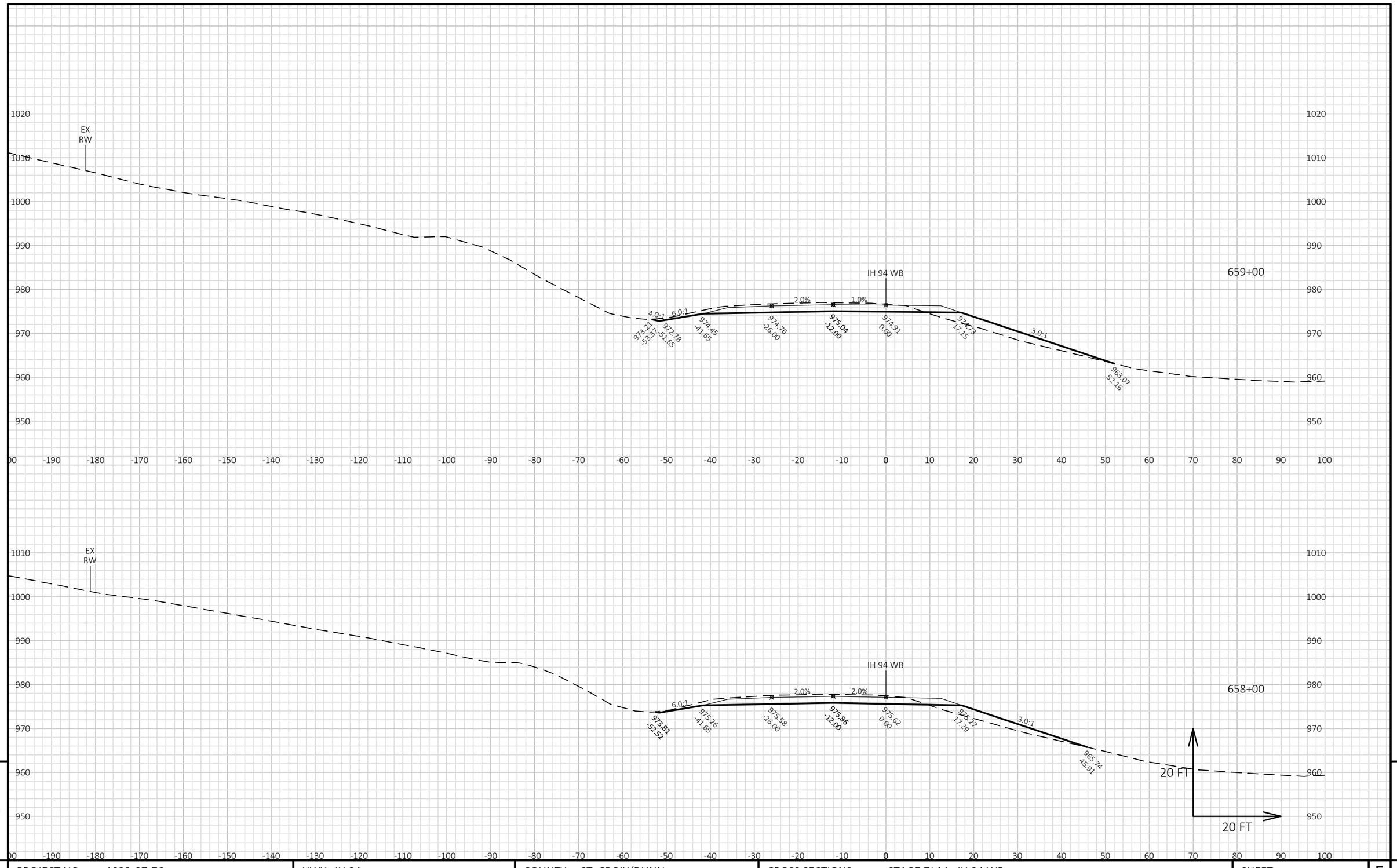


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1717 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090161_XS WB

PLOT DATE : 8/15/2018 10:39 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

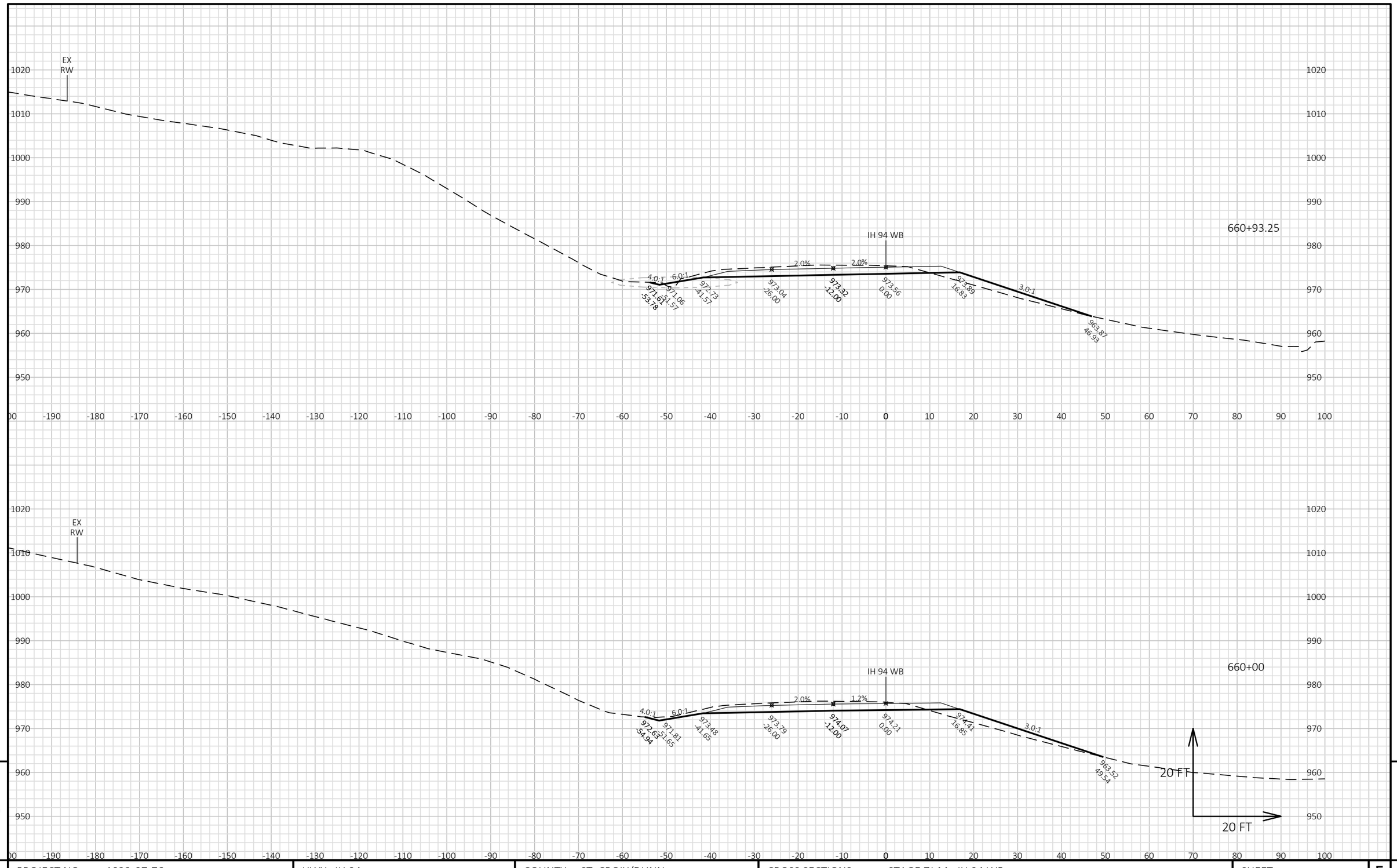


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1718 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090162_XS WB

PLOT DATE : 8/15/2018 10:39 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

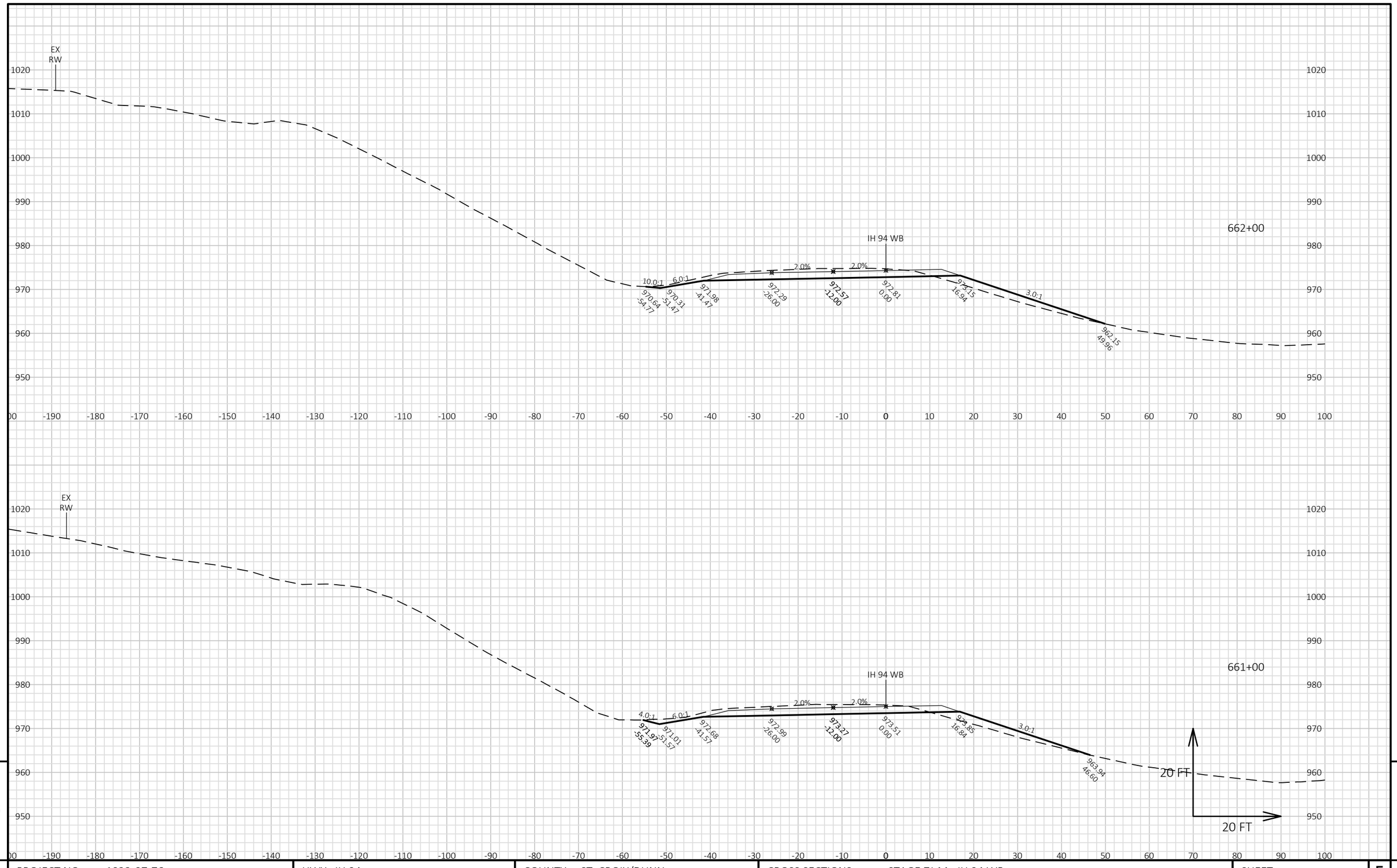


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1719	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090163_XS WB

PLOT DATE : 8/15/2018 10:39 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

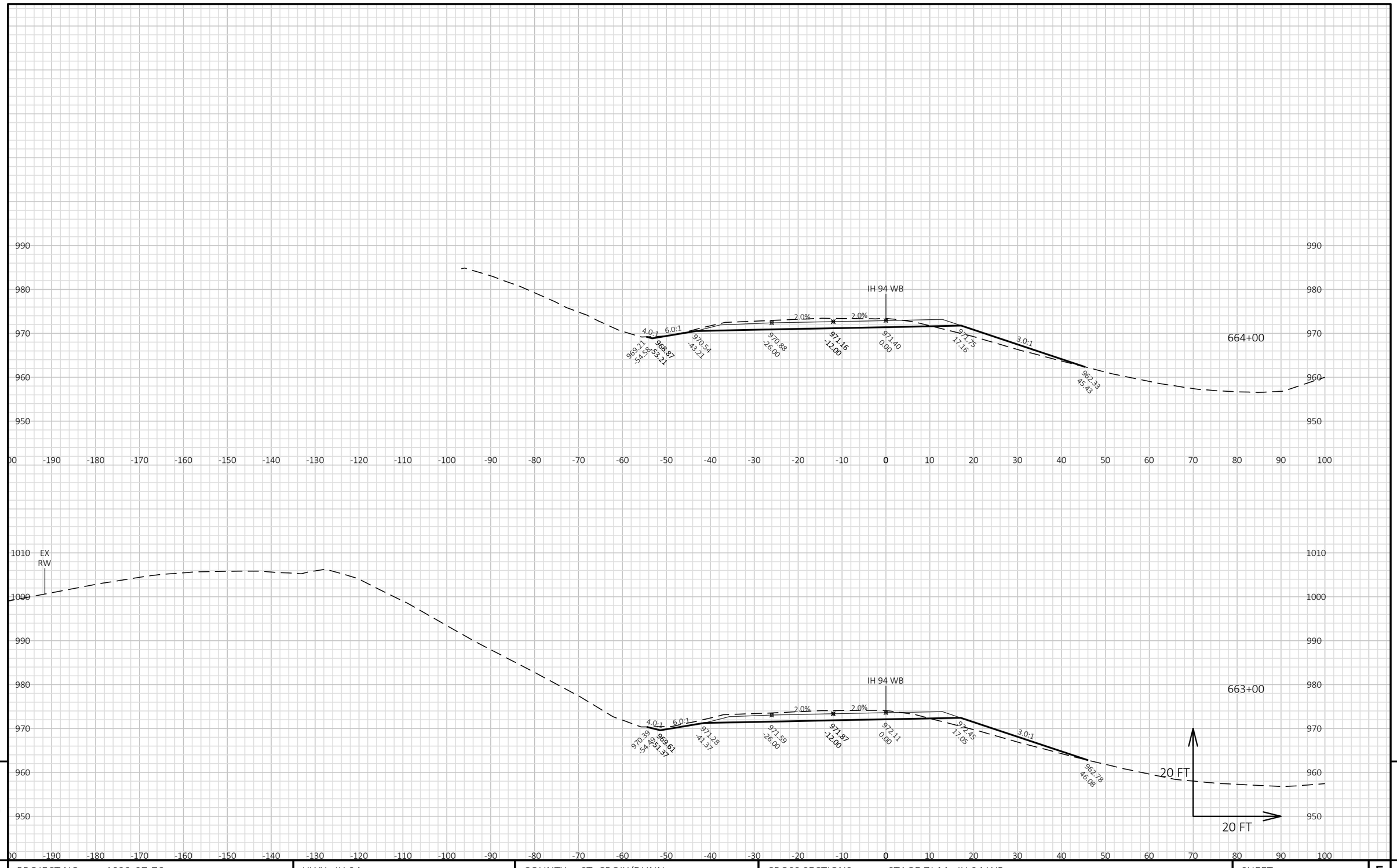


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1720 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090164_XS WB

PLOT DATE : 8/15/2018 10:39 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1721	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090165_XS WB

PLOT DATE : 8/15/2018 10:39 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

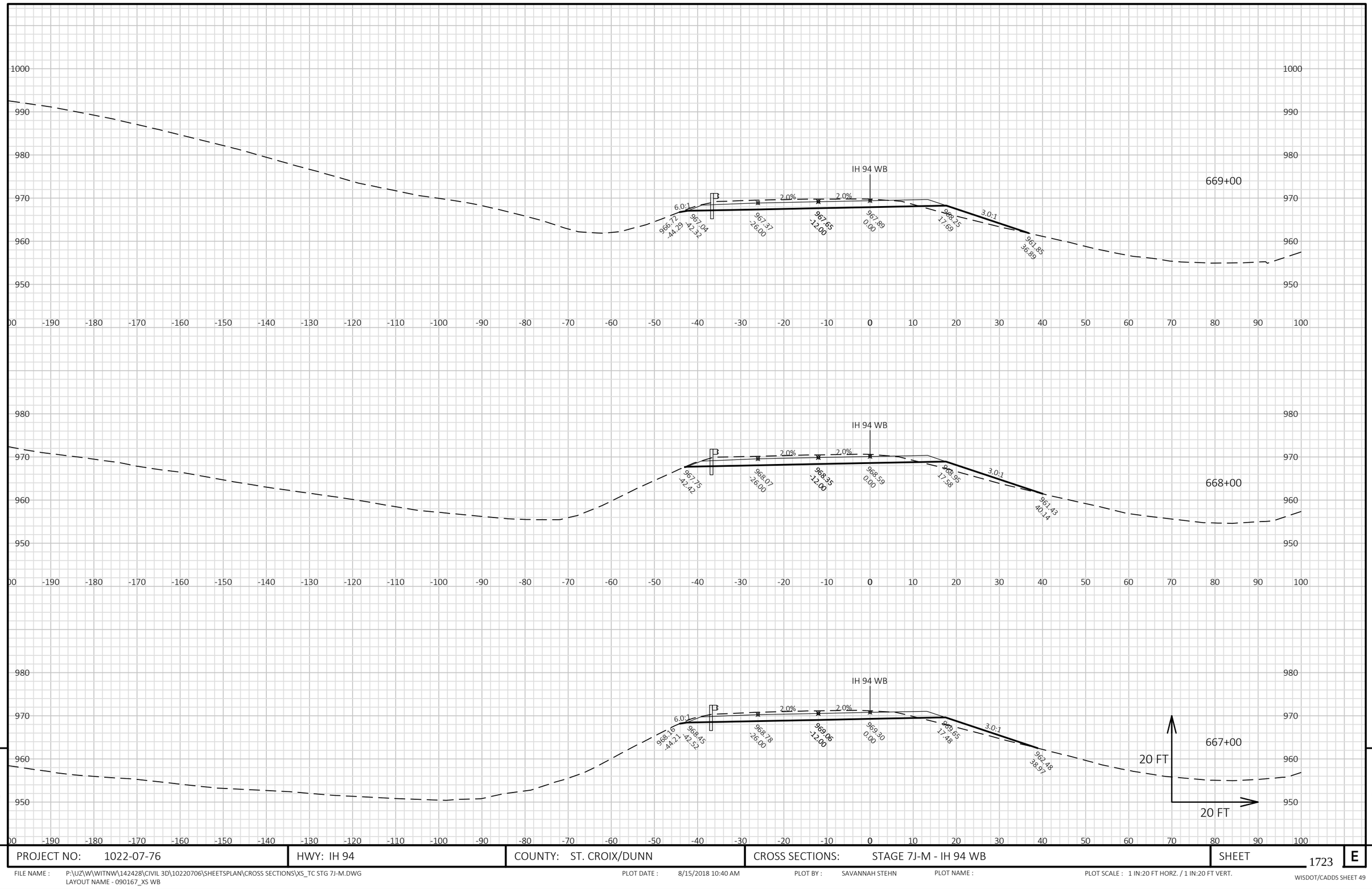
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1722	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090166_XS WB

PLOT DATE : 8/15/2018 10:40 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



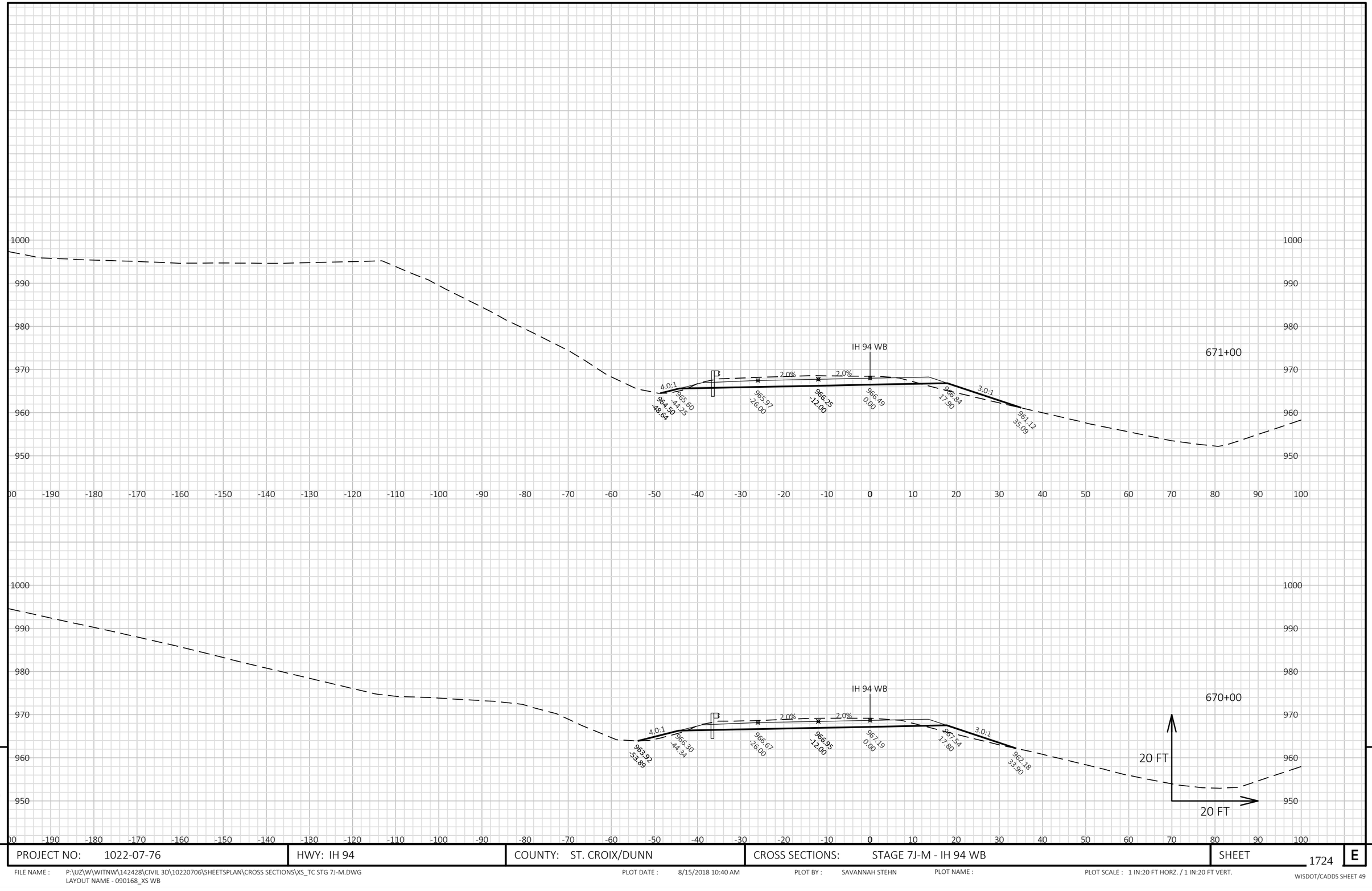
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1723 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090167_XS WB

PLOT DATE : 8/15/2018 10:40 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



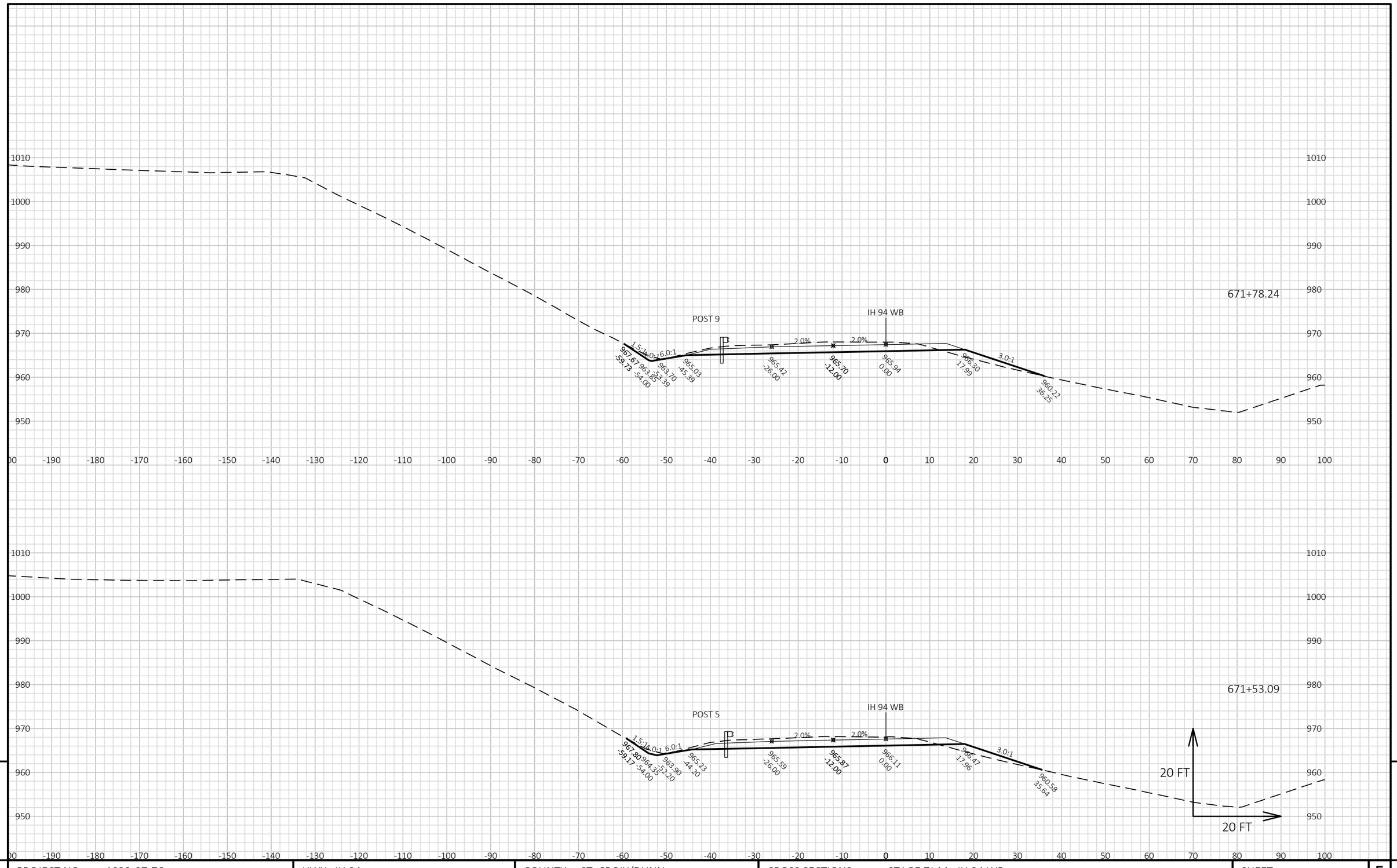
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1724	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090168_XS WB

PLOT DATE : 8/15/2018 10:40 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



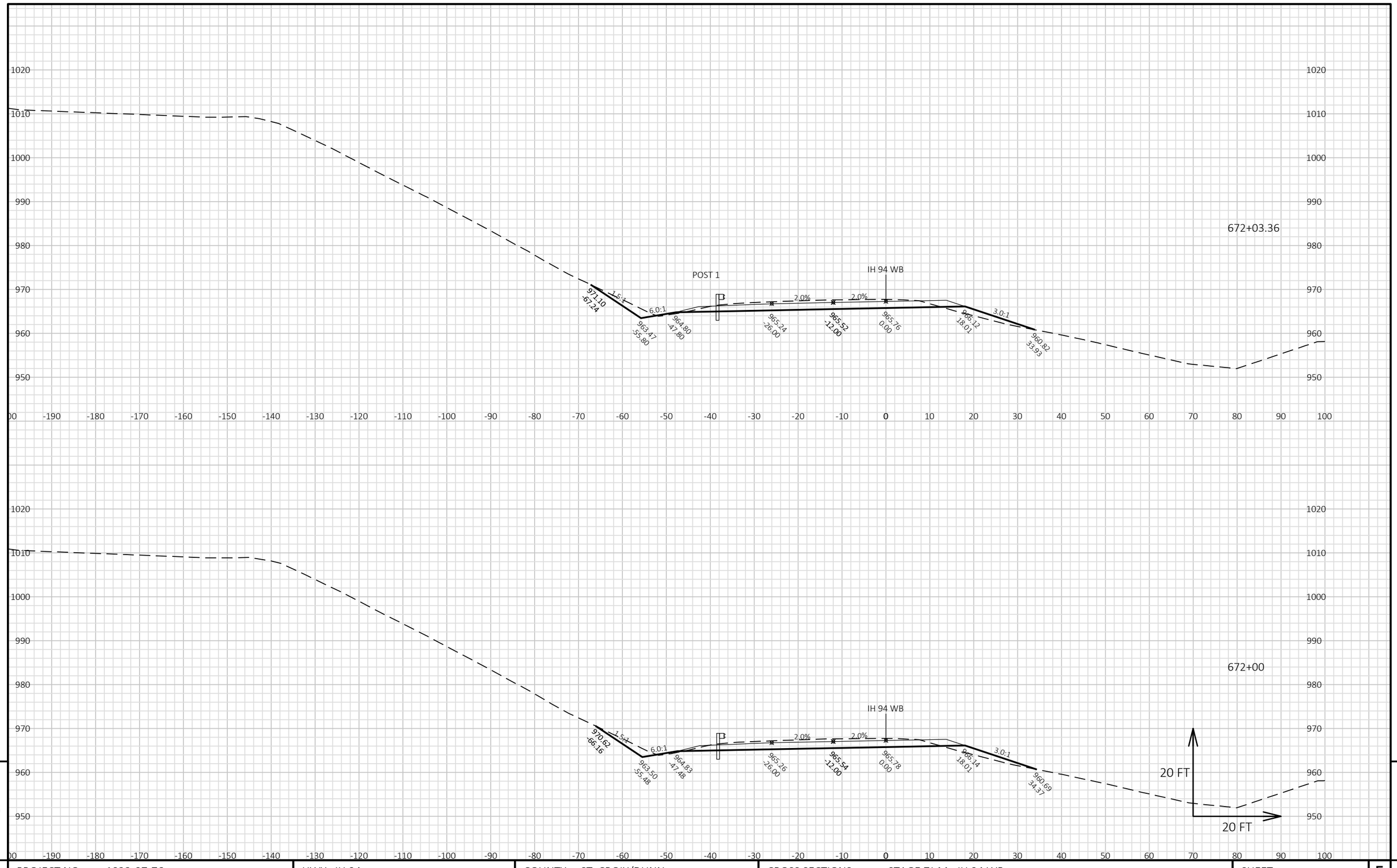
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1725	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090169_XS WB

PLOT DATE : 8/15/2018 10:40 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

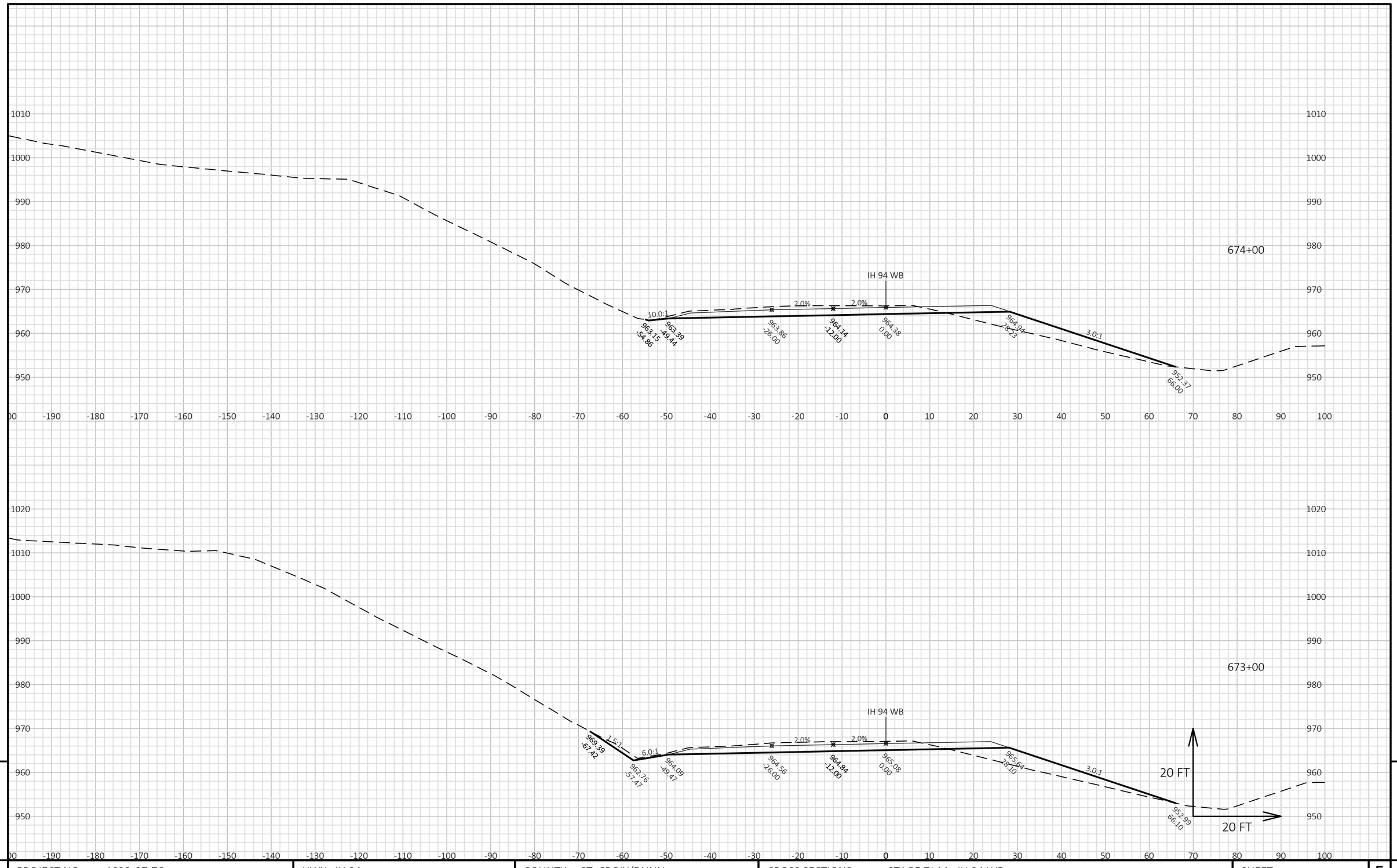


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1726	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090170_XS WB

PLOT DATE : 8/15/2018 10:40 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

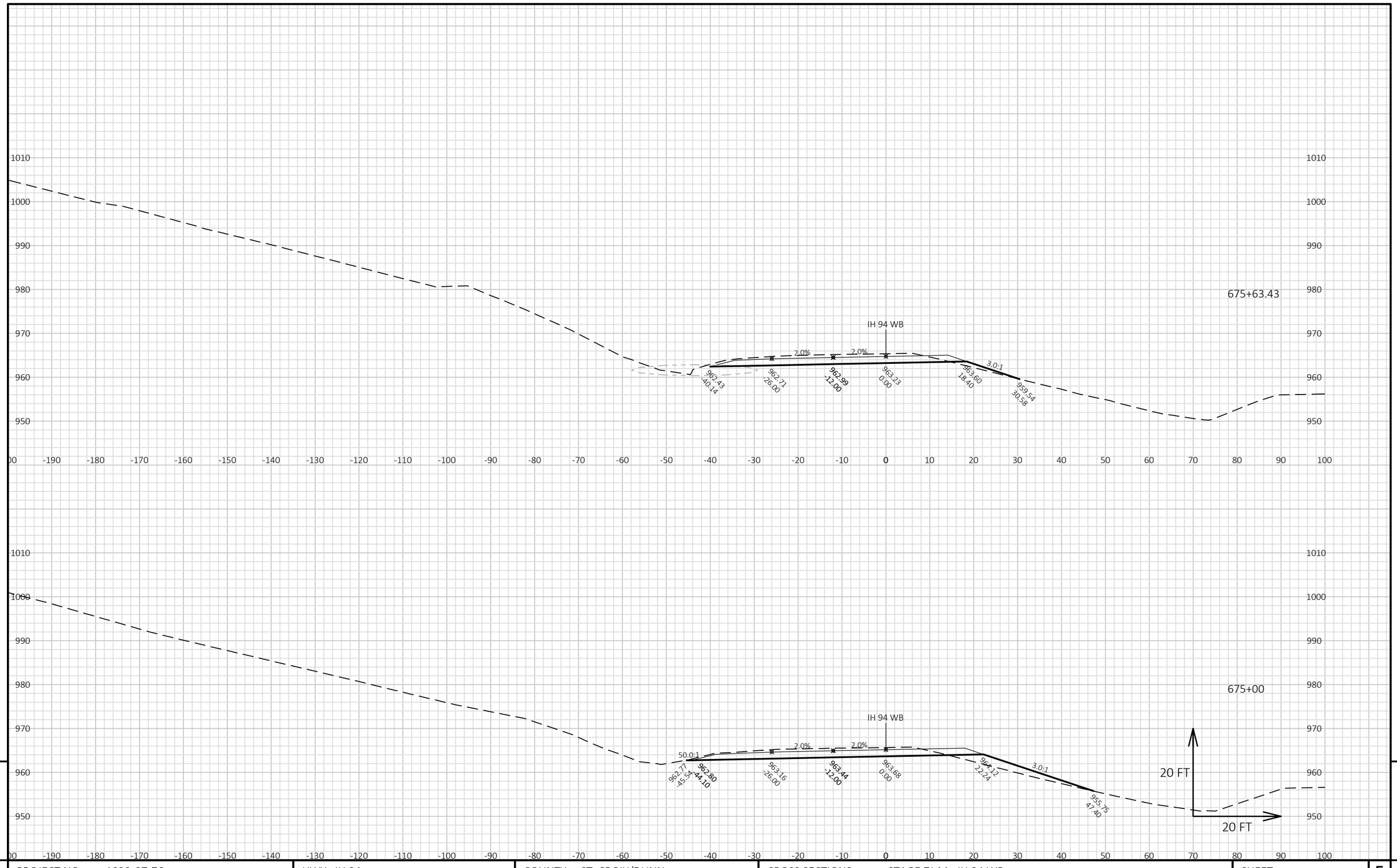


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1727	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090171_XS WB

PLOT DATE : 8/15/2018 10:40 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



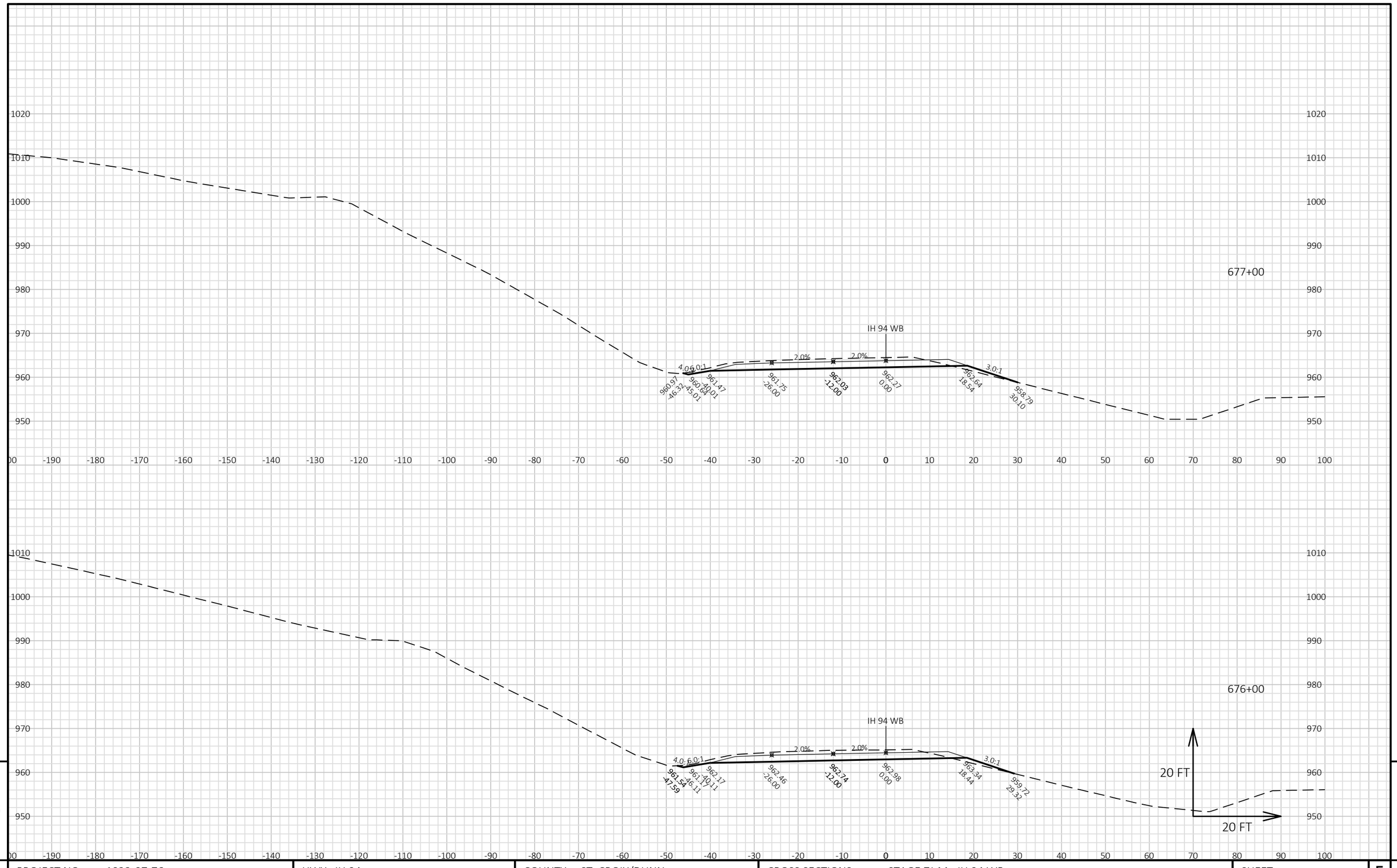
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1728	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090172_XS WB

PLOT DATE : 8/15/2018 10:41 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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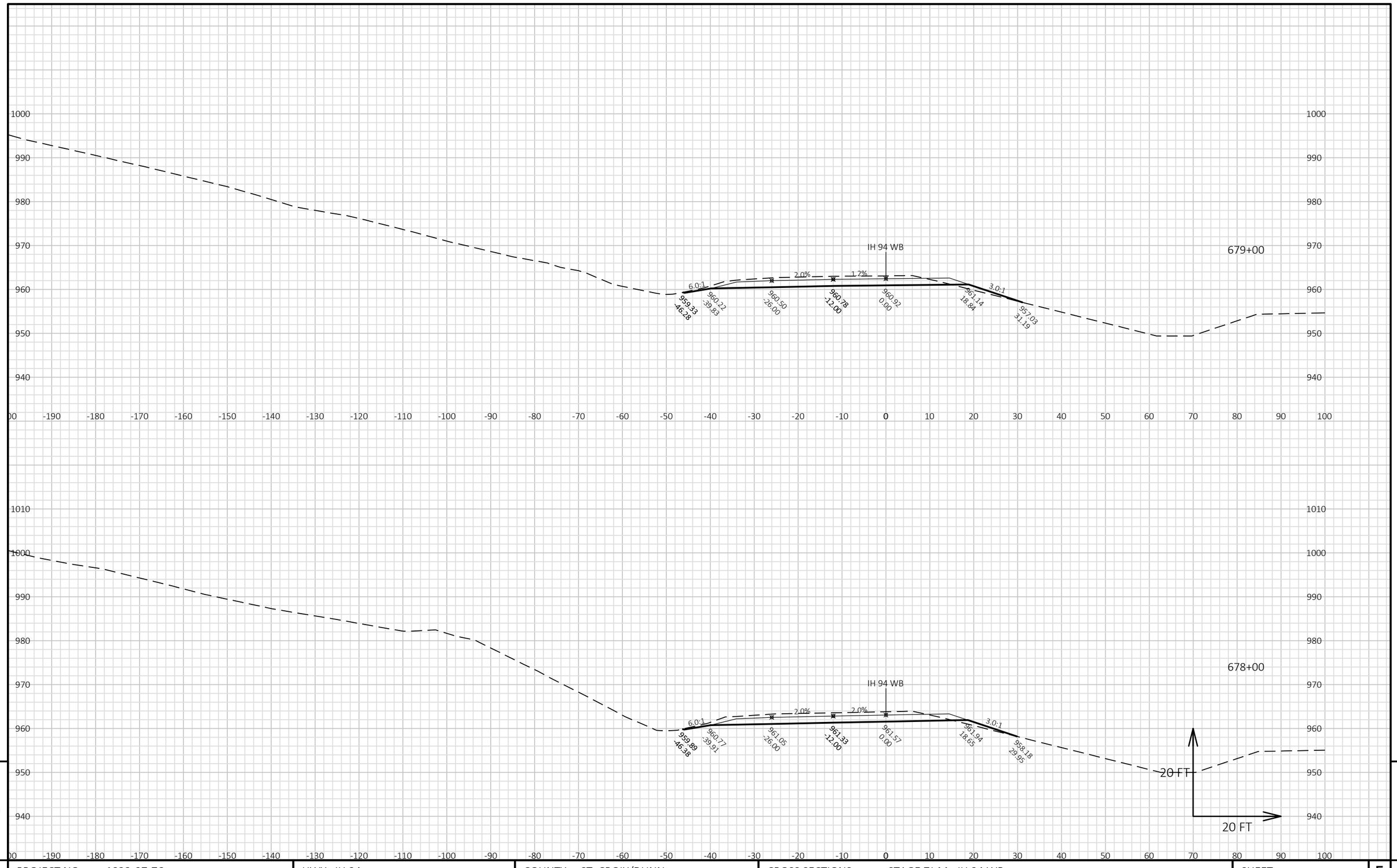
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1729 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090173_XS WB

PLOT DATE : 8/15/2018 10:41 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

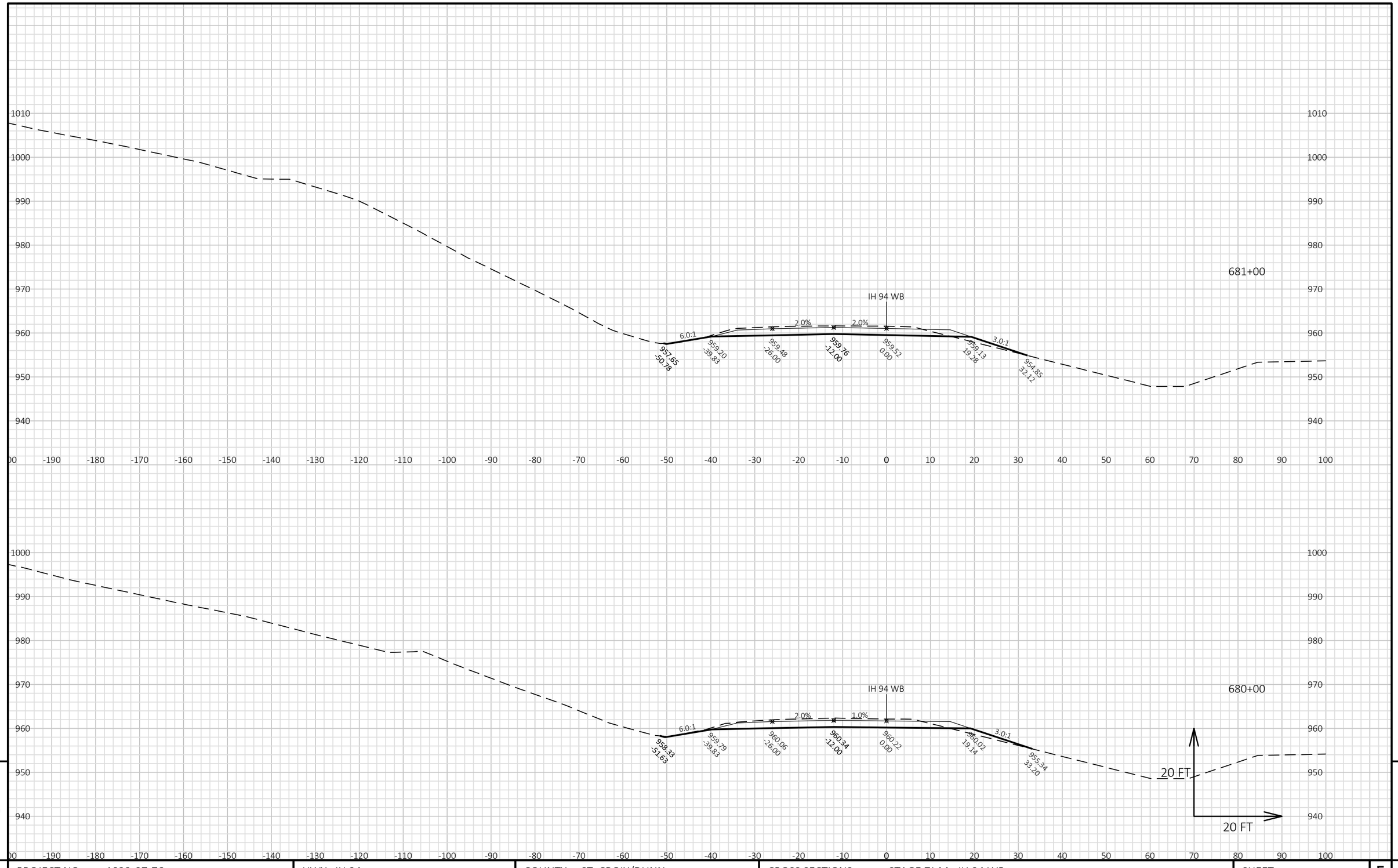


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1730	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090174_XS WB

PLOT DATE : 8/15/2018 10:41 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

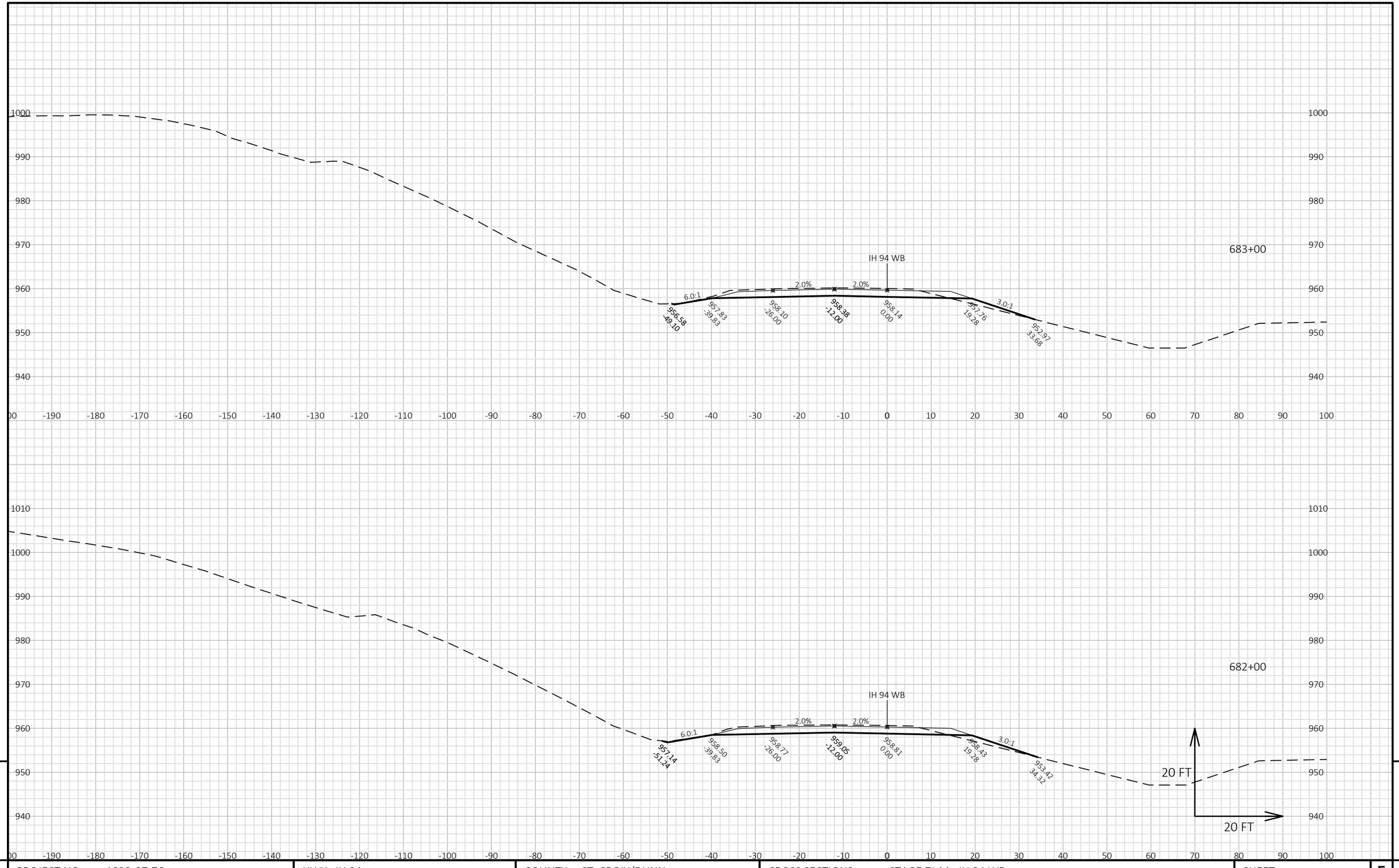


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1731 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090175_XS WB

PLOT DATE : 8/15/2018 10:41 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1732	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090176_XS WB

PLOT DATE : 8/15/2018 10:41 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

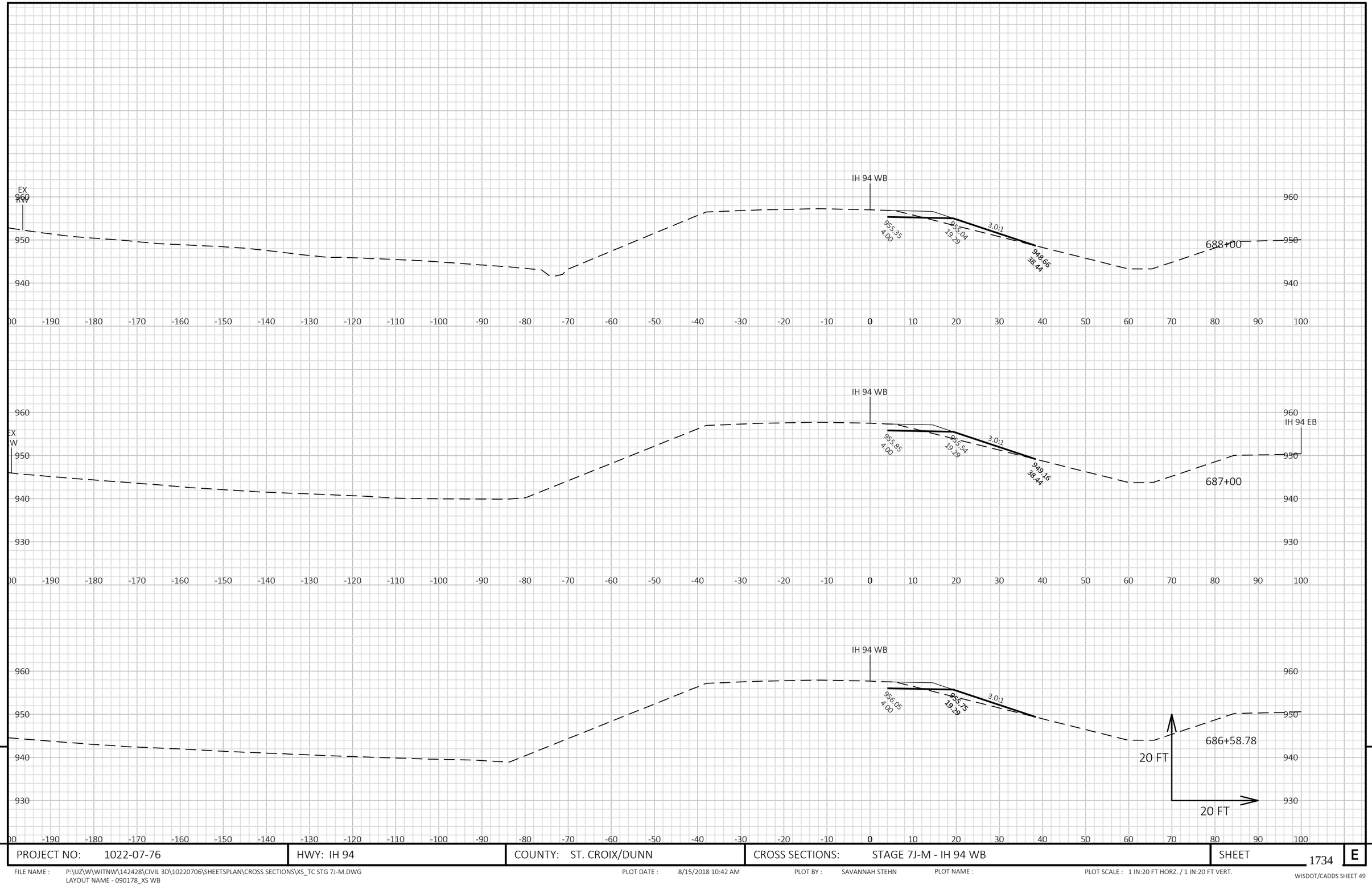
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1733	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090177_XS WB

PLOT DATE : 8/15/2018 10:41 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



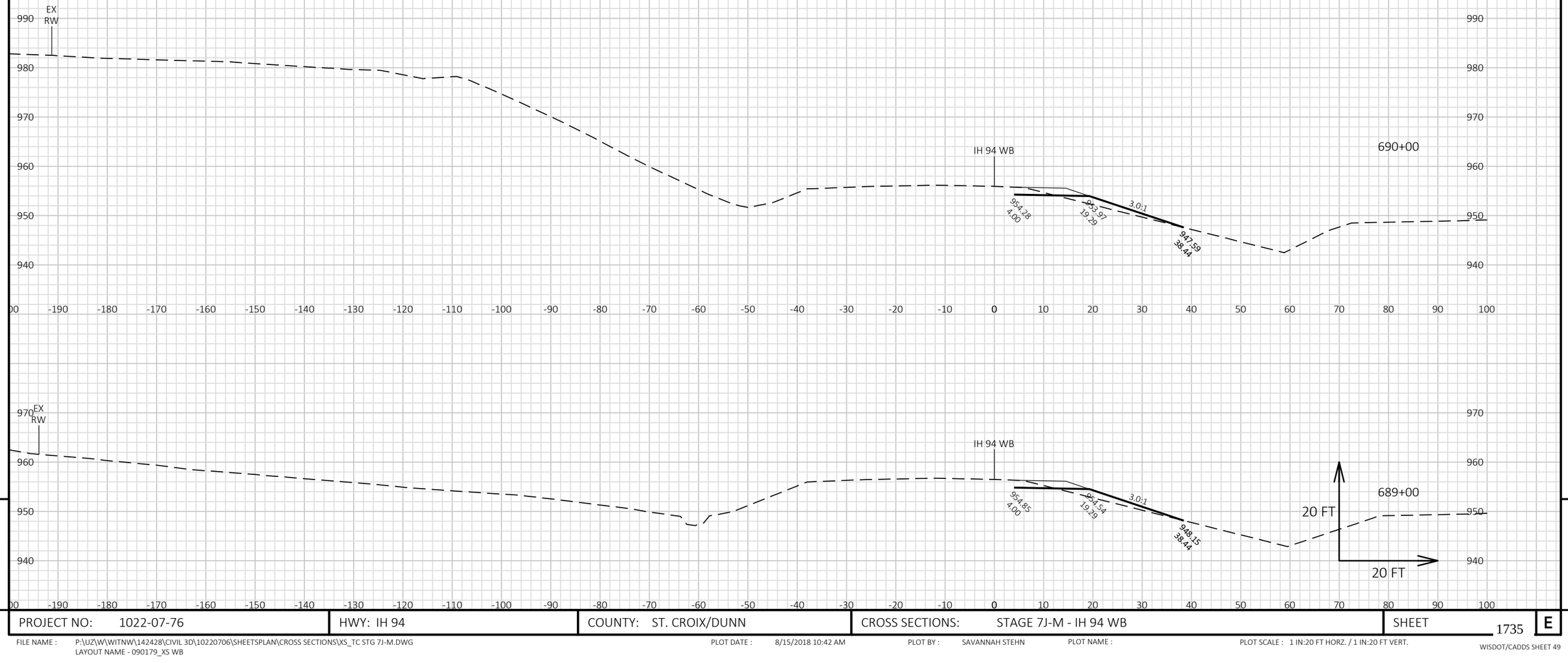
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1734	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090178_XS WB

PLOT DATE : 8/15/2018 10:42 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



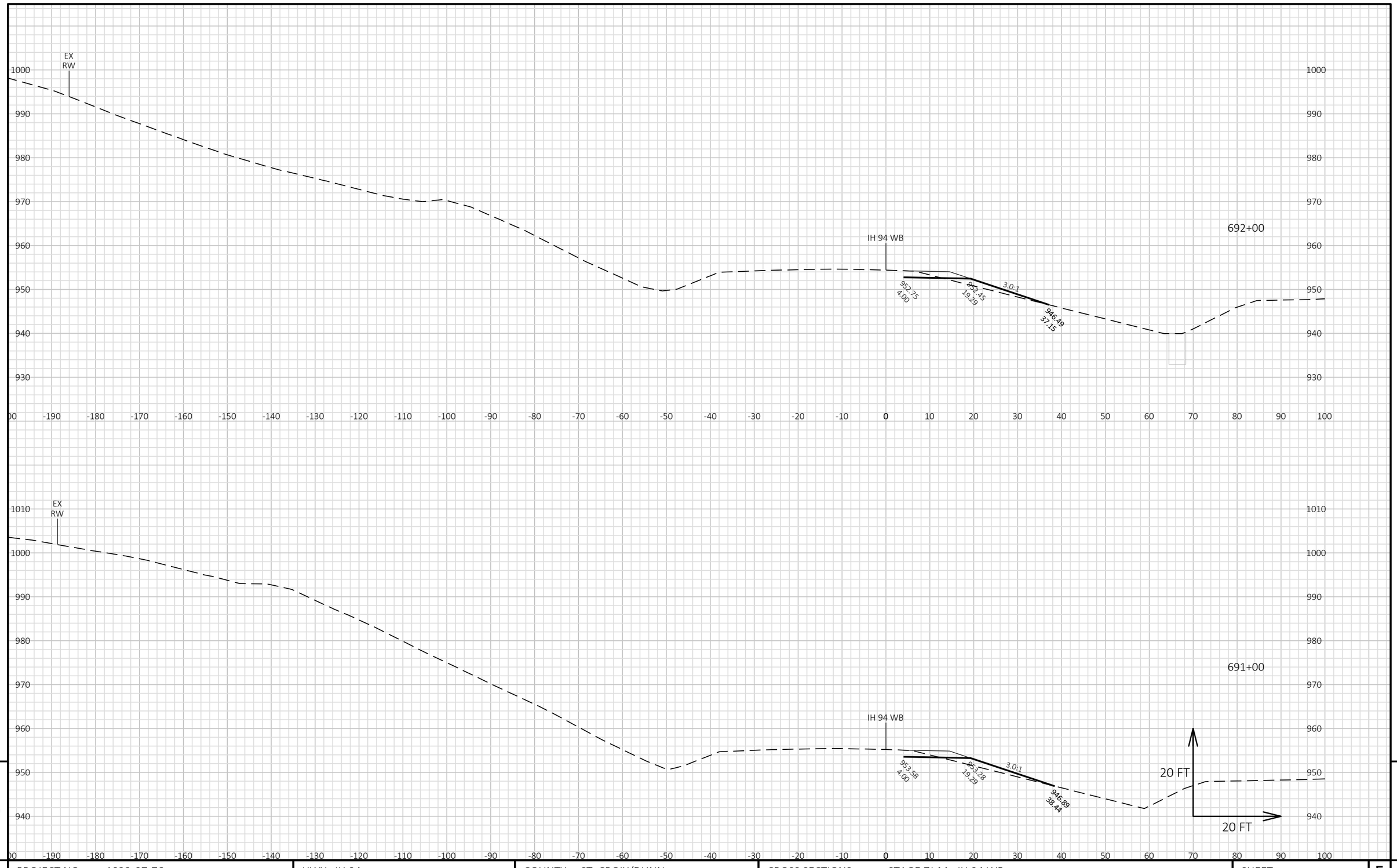
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1735	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090179_XS WB

PLOT DATE : 8/15/2018 10:42 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



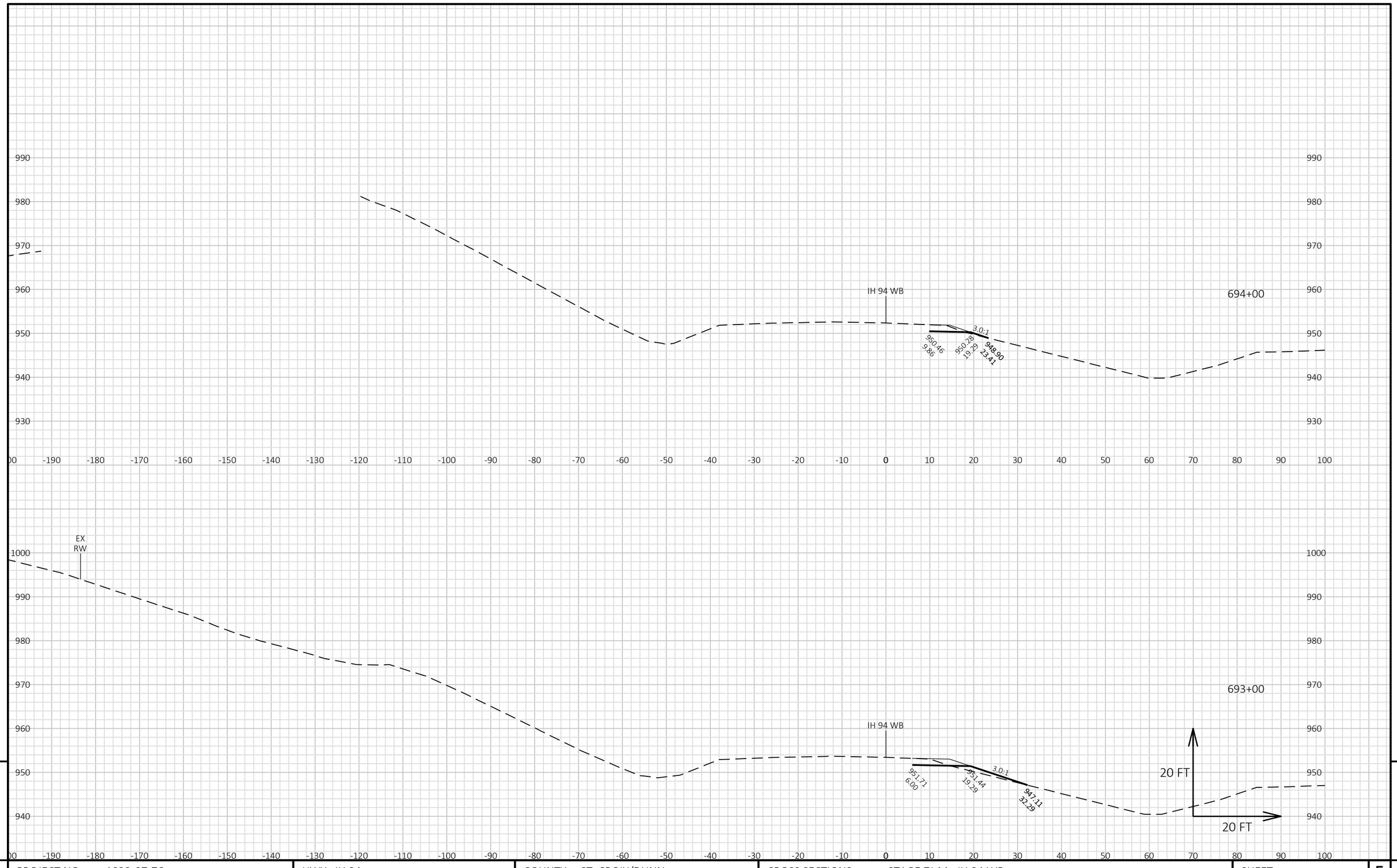
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1736	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090180_XS WB

PLOT DATE : 8/15/2018 10:42 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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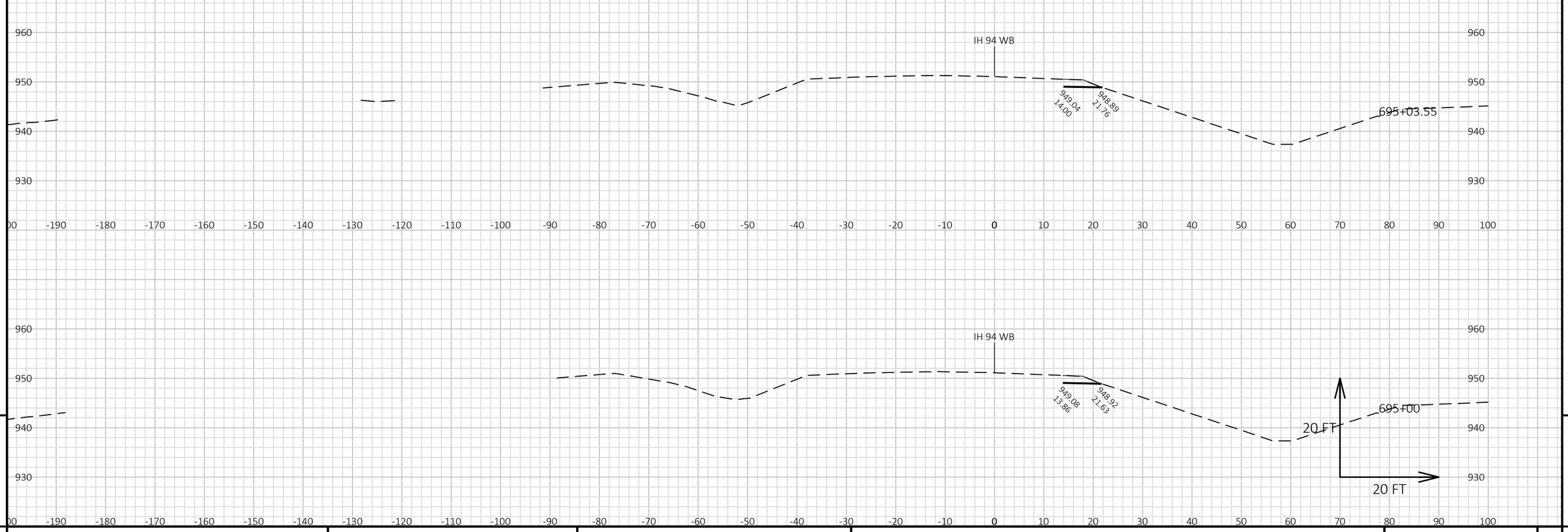
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FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090181_XS WB

PLOT DATE : 8/15/2018 10:42 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 695+04



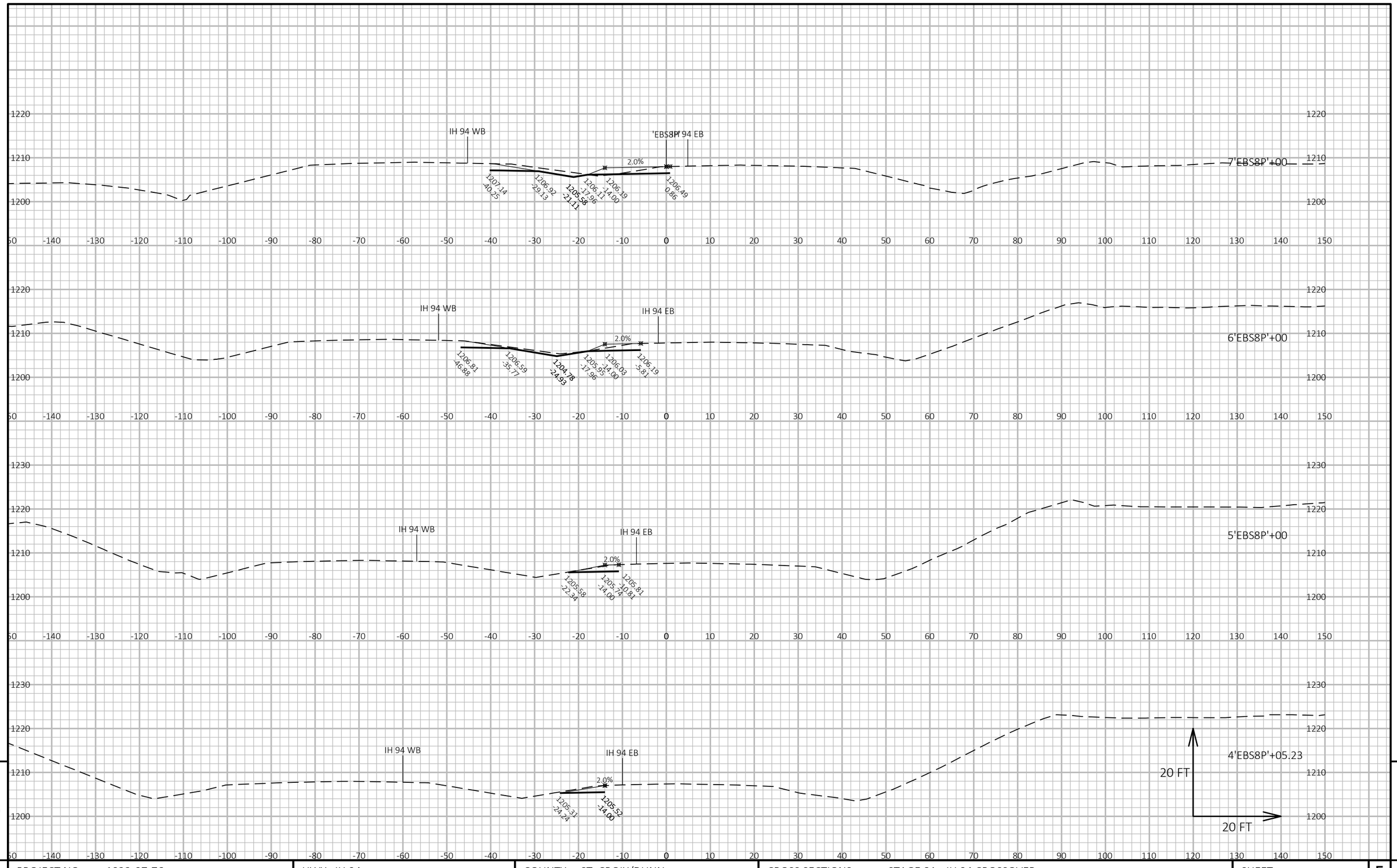
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 7J-M - IH 94 WB	SHEET 1738	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 7J-M.DWG
LAYOUT NAME - 090182_XS WB

PLOT DATE : 8/15/2018 10:42 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

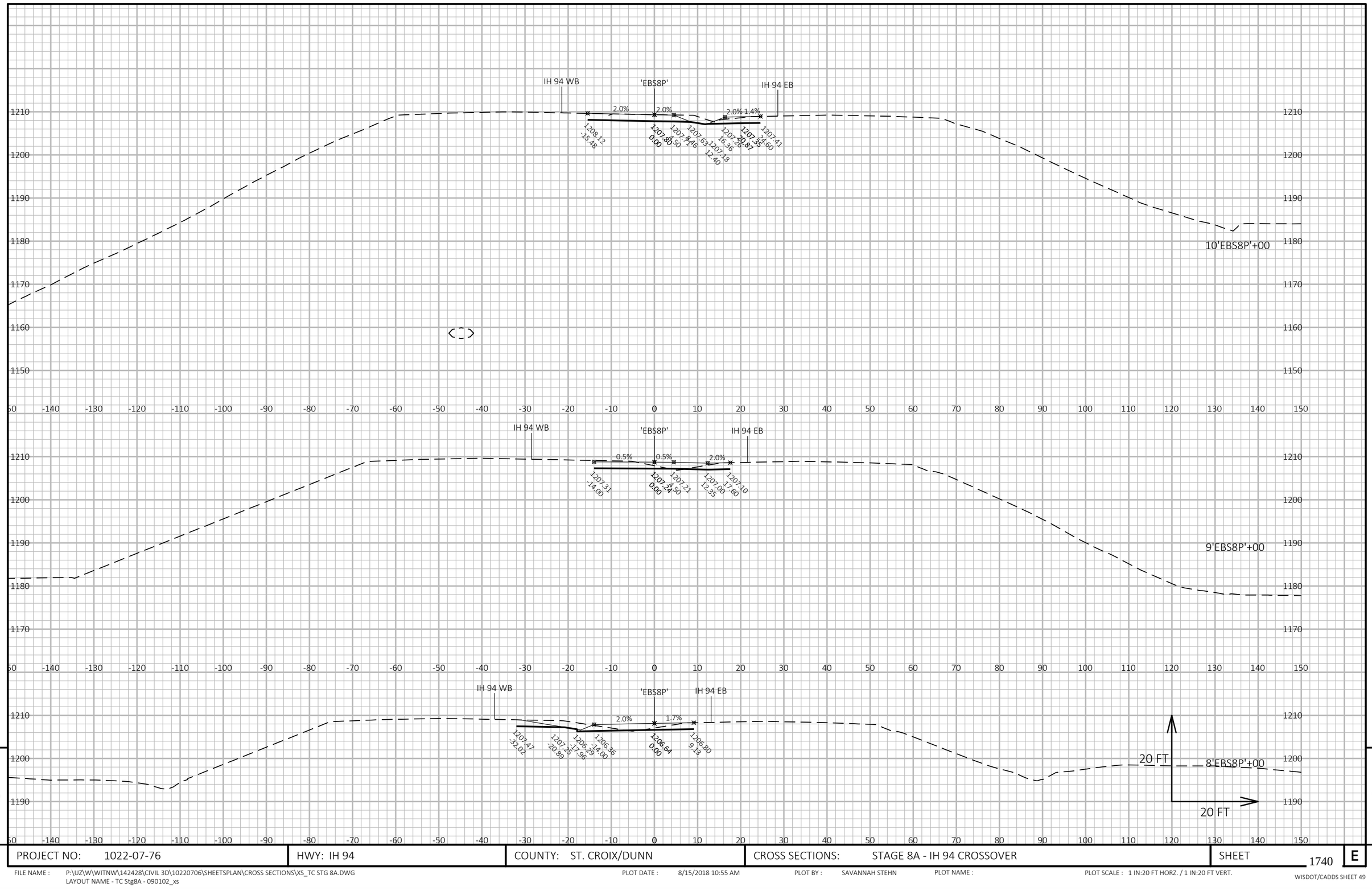


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8A - IH 94 CROSSOVER	SHEET 1739	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8A.DWG
LAYOUT NAME - TC Stg8A - 090101_xs

PLOT DATE : 8/15/2018 10:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



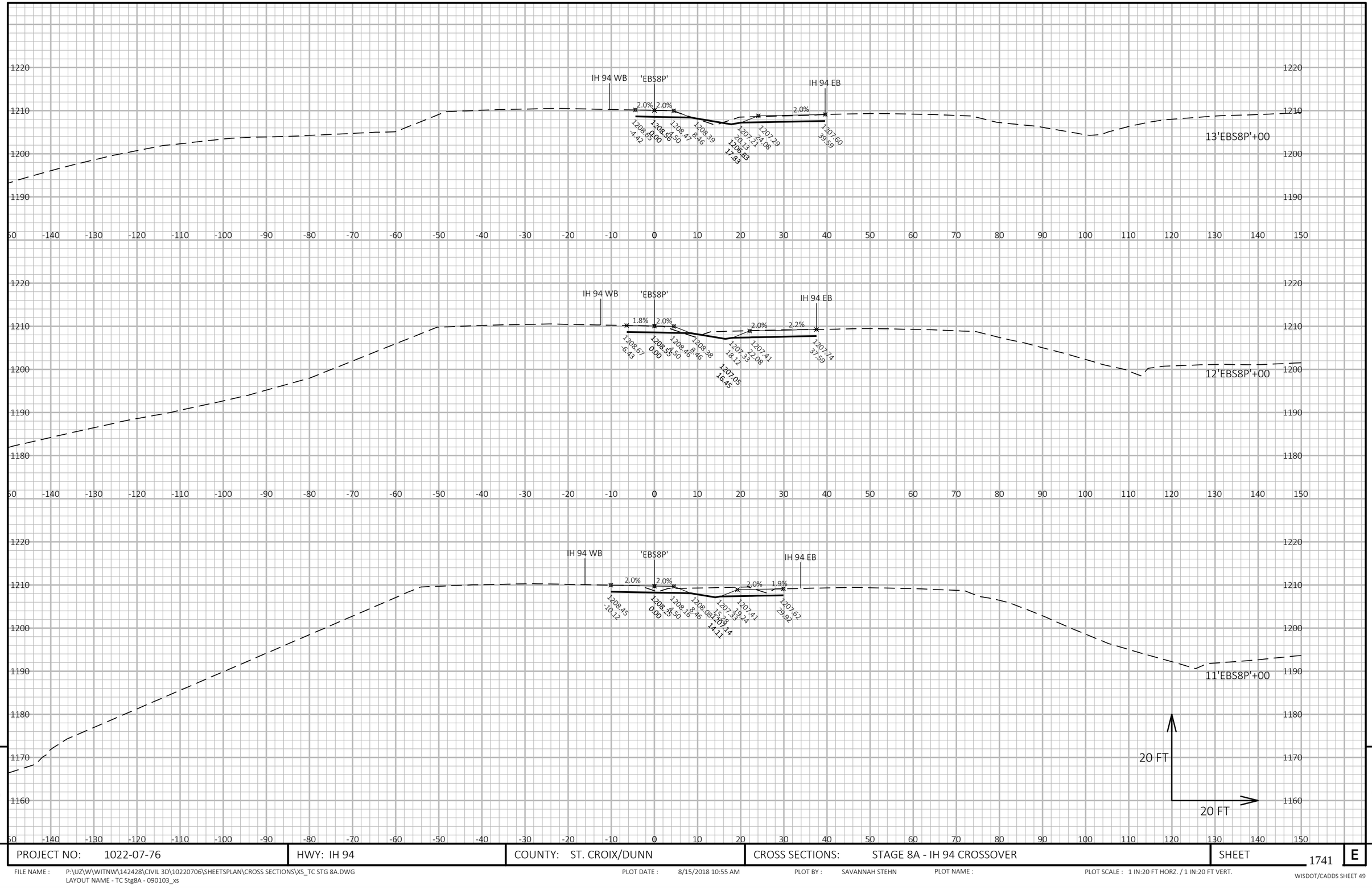
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8A - IH 94 CROSSOVER	SHEET 1740	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8A.DWG
LAYOUT NAME - TC Stg8A - 090102_xs

PLOT DATE : 8/15/2018 10:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



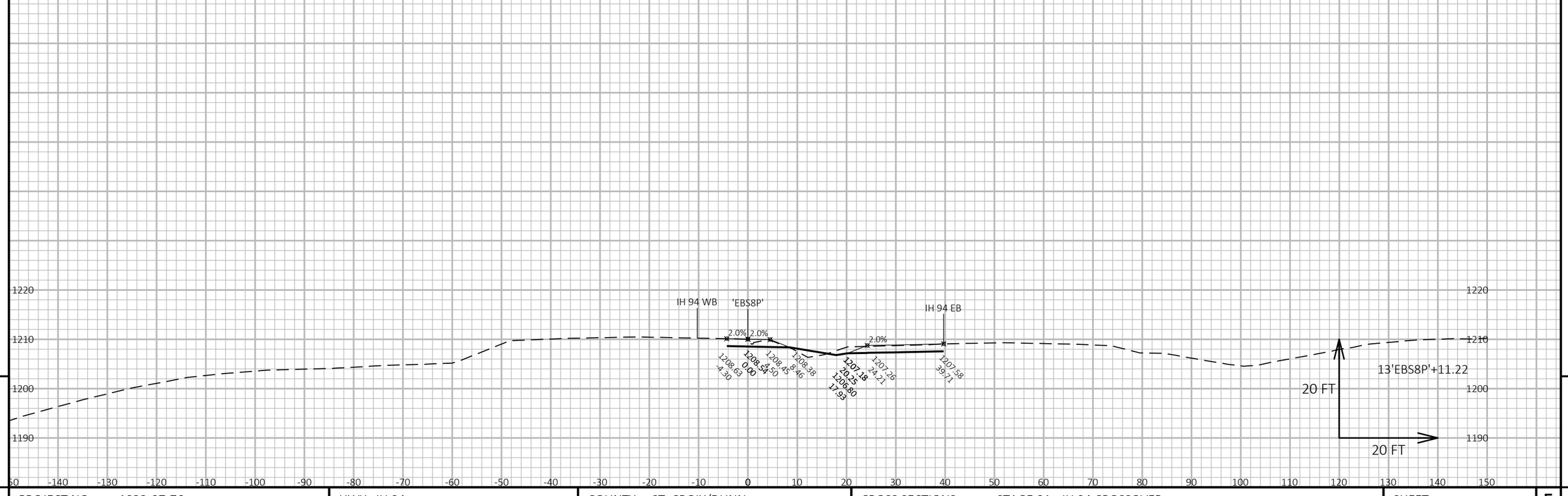
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8A - IH 94 CROSSOVER	SHEET 1741	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8A.DWG
LAYOUT NAME - TC Stg8A - 090103_xs

PLOT DATE : 8/15/2018 10:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



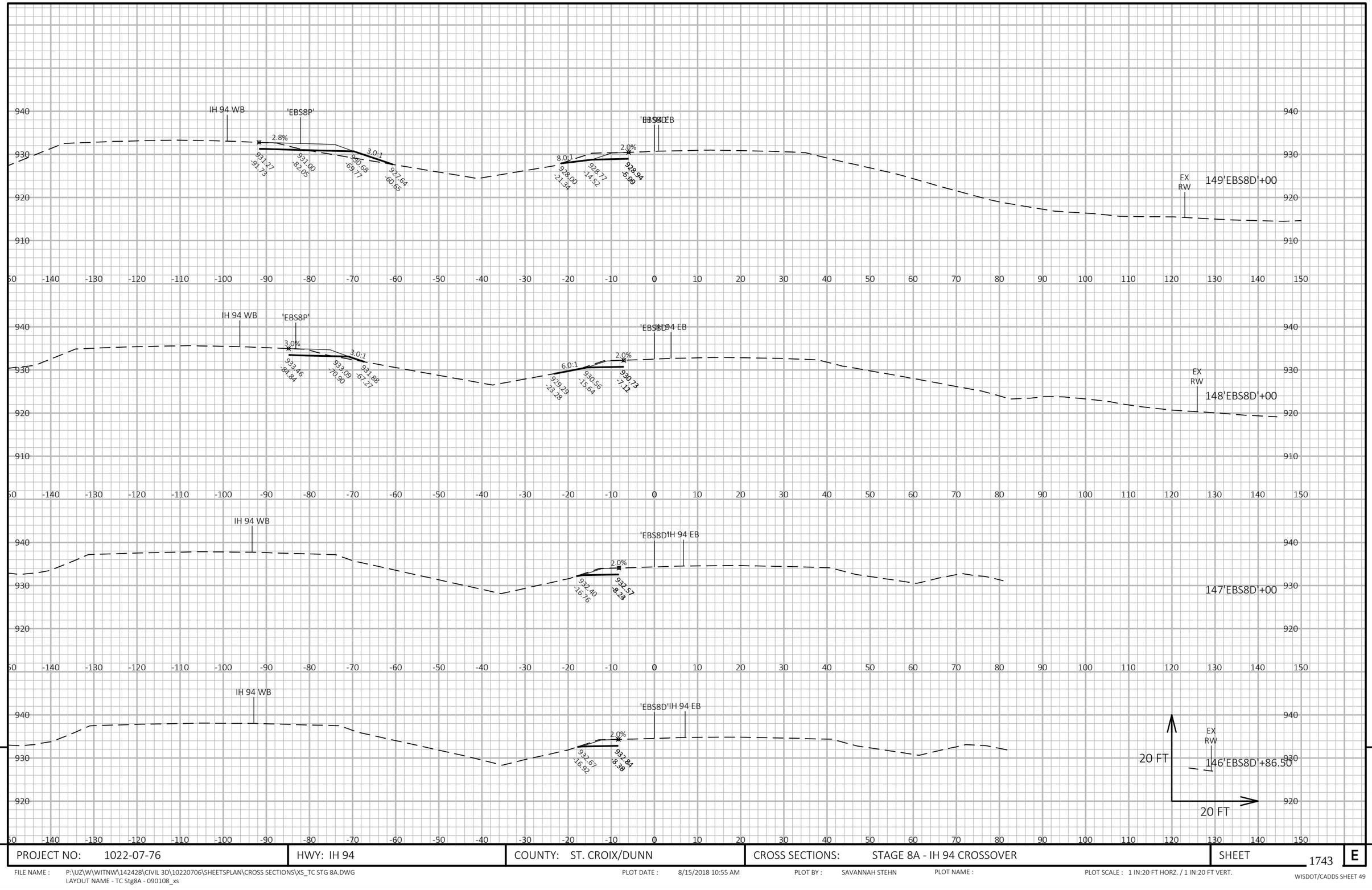
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8A - IH 94 CROSSOVER	SHEET 1742	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8A.DWG
LAYOUT NAME - TC Stg8A - 090104_xs

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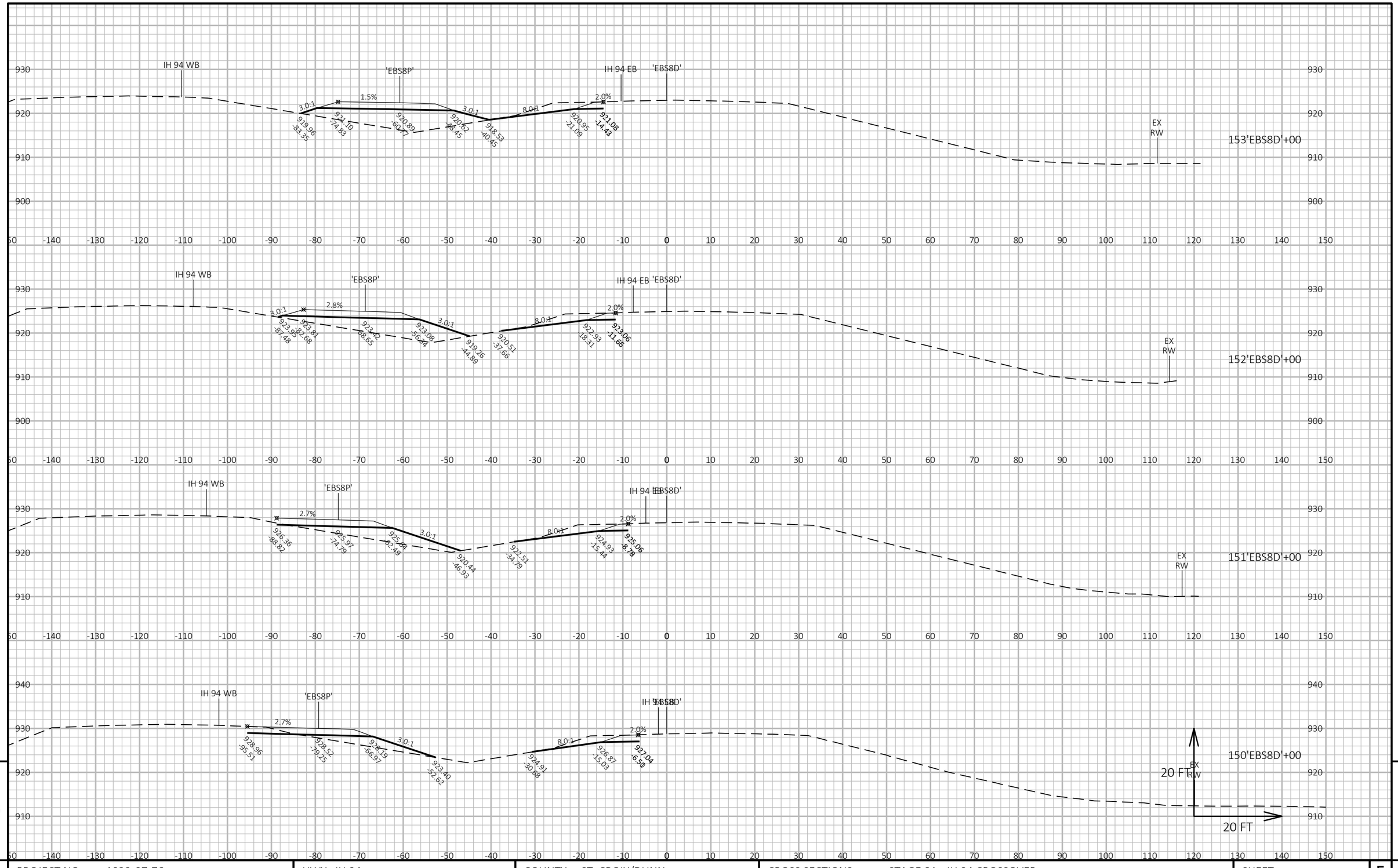
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8A - IH 94 CROSSOVER	SHEET 1743	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8A.DWG
LAYOUT NAME - TC Stg8A - 090108_xs

PLOT DATE : 8/15/2018 10:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

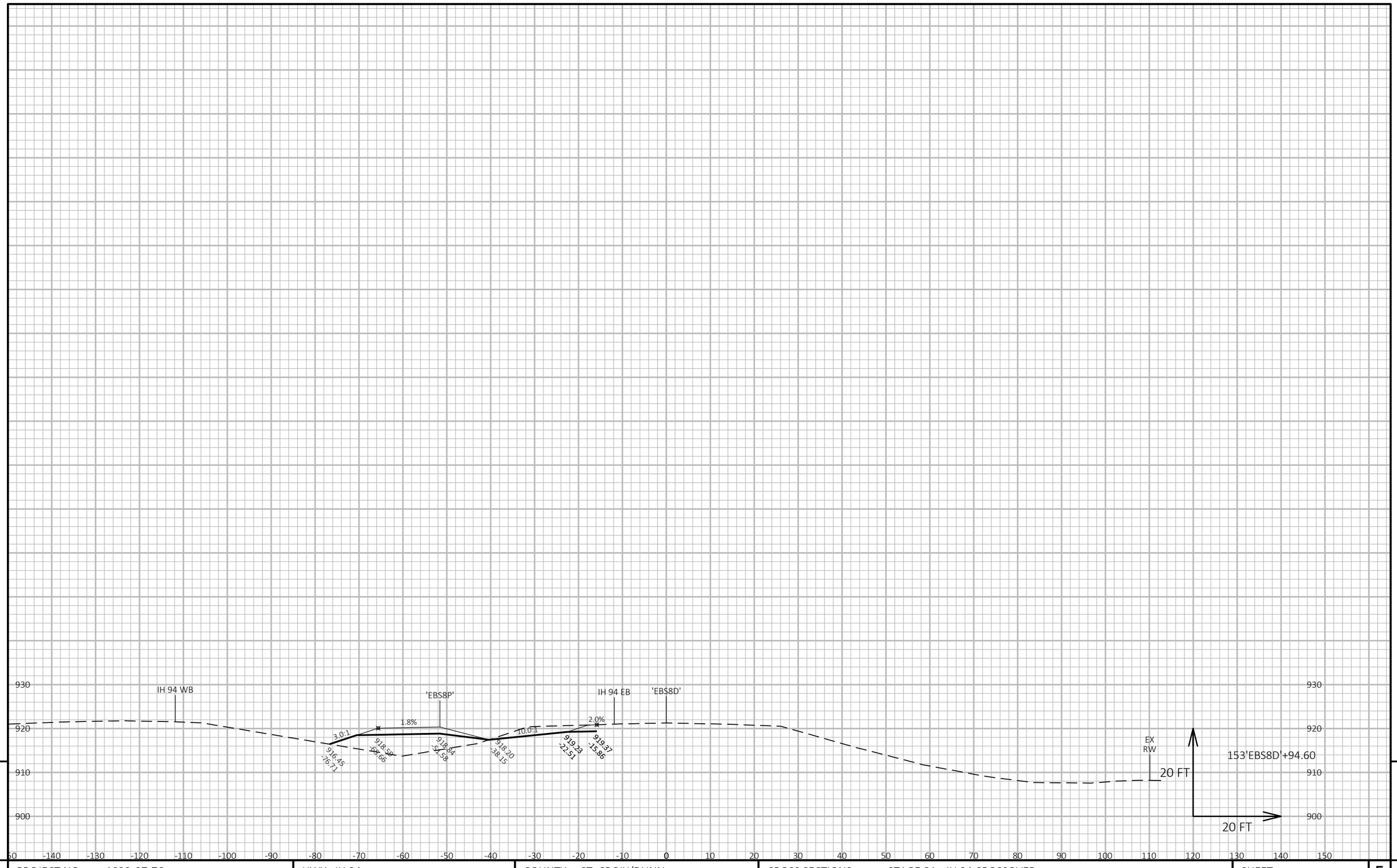


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8A - IH 94 CROSSOVER	SHEET 1744	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8A.DWG
LAYOUT NAME - TC Stg8A - 090109_xs

PLOT DATE : 8/15/2018 10:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



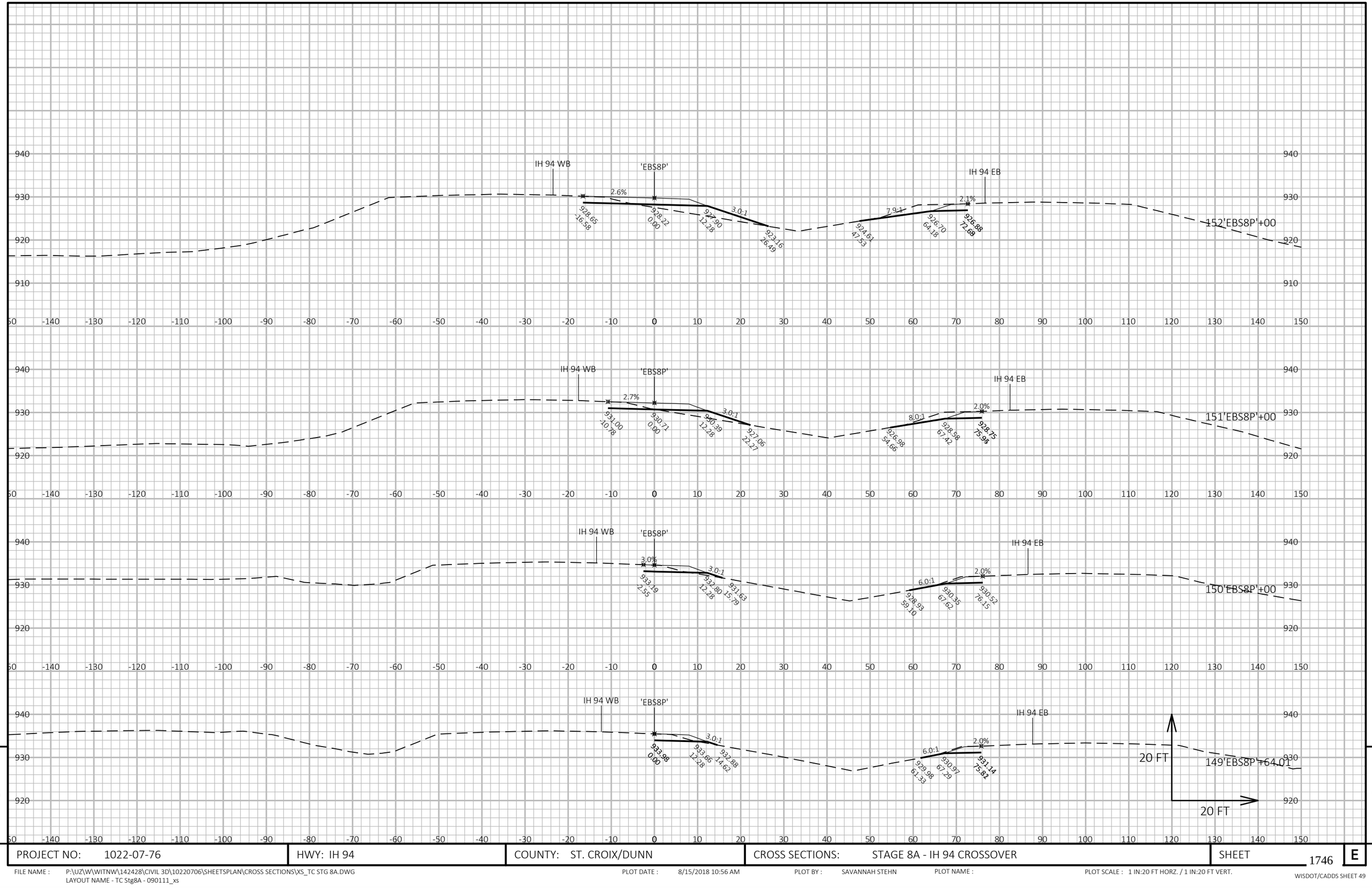
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8A - IH 94 CROSSOVER	SHEET 1745	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8A.DWG
LAYOUT NAME - TC Stg8A - 090110_xs

PLOT DATE : 8/15/2018 10:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

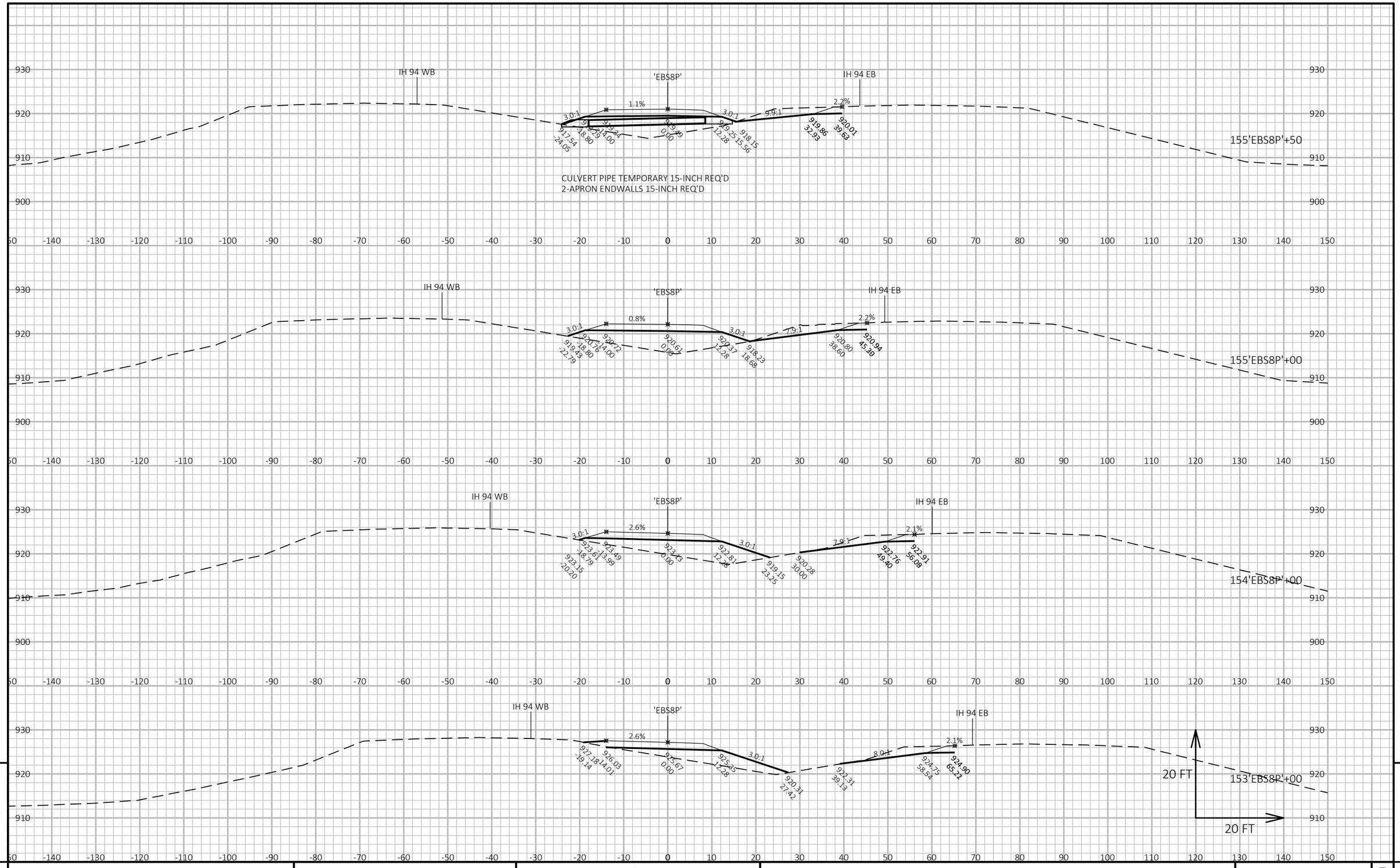


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8A - IH 94 CROSSOVER	SHEET 1746 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8A.DWG
LAYOUT NAME - TC Stg8A - 090111_xs

PLOT DATE : 8/15/2018 10:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



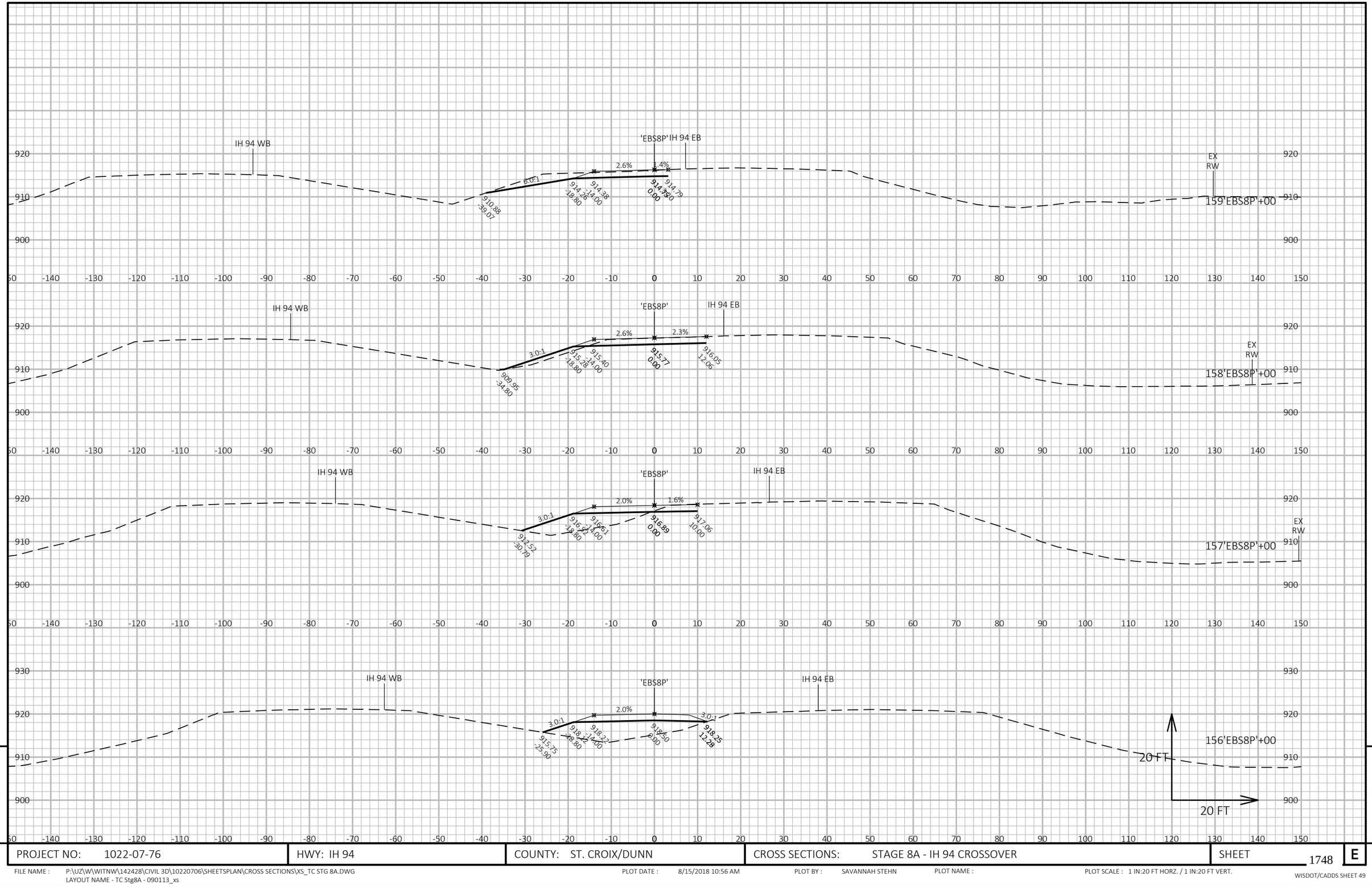
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8A - IH 94 CROSSOVER	SHEET 1747	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8A.DWG
LAYOUT NAME - TC Stg8A - 090112_xs

PLOT DATE : 8/15/2018 10:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



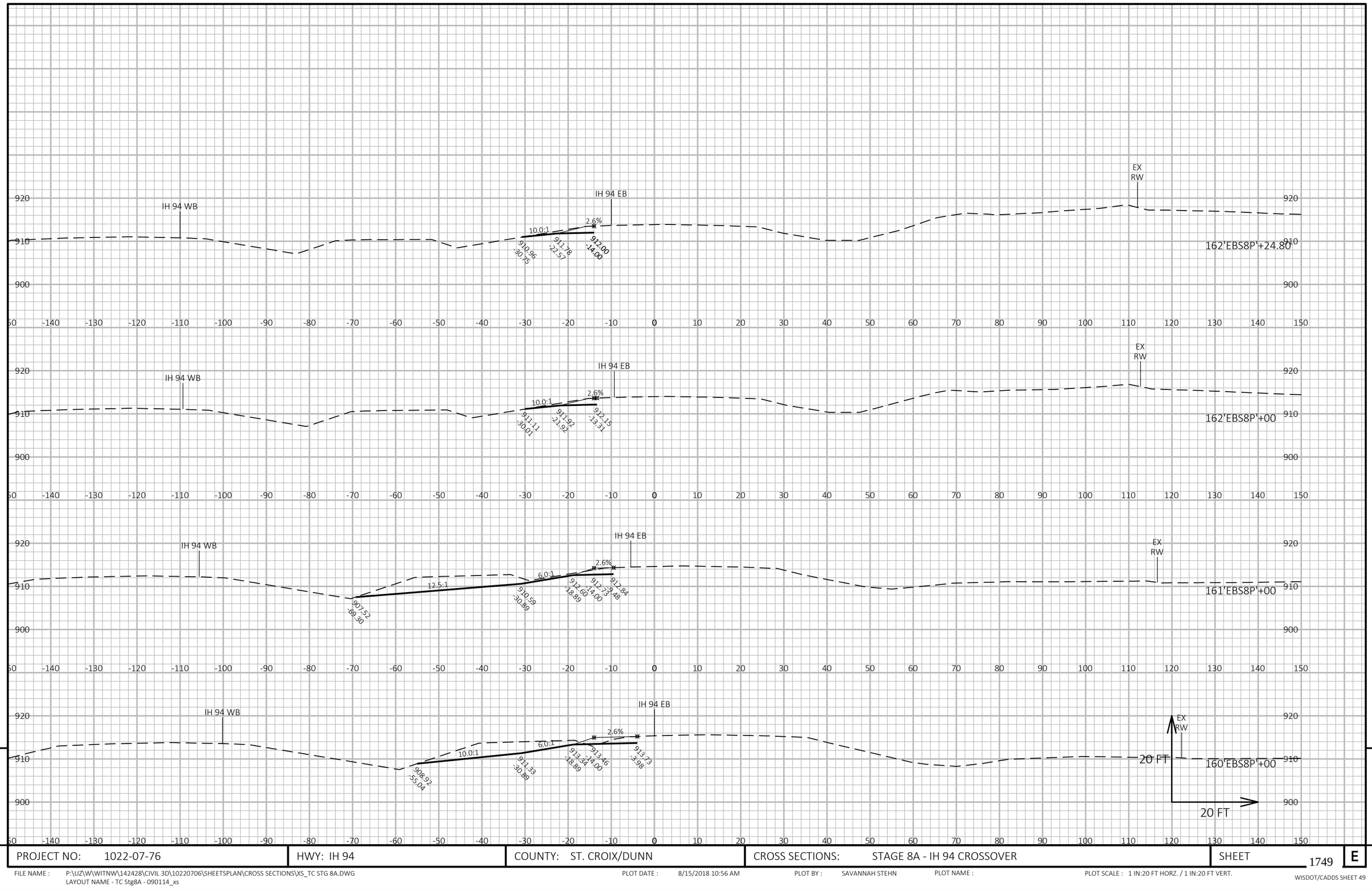
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8A - IH 94 CROSSOVER	SHEET 1748	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8A.DWG
LAYOUT NAME - TC Stg8A - 090113_xs

PLOT DATE : 8/15/2018 10:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8A - IH 94 CROSSOVER	SHEET 1749	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8A.DWG
LAYOUT NAME - TC Stg8A - 090114_xs

PLOT DATE : 8/15/2018 10:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

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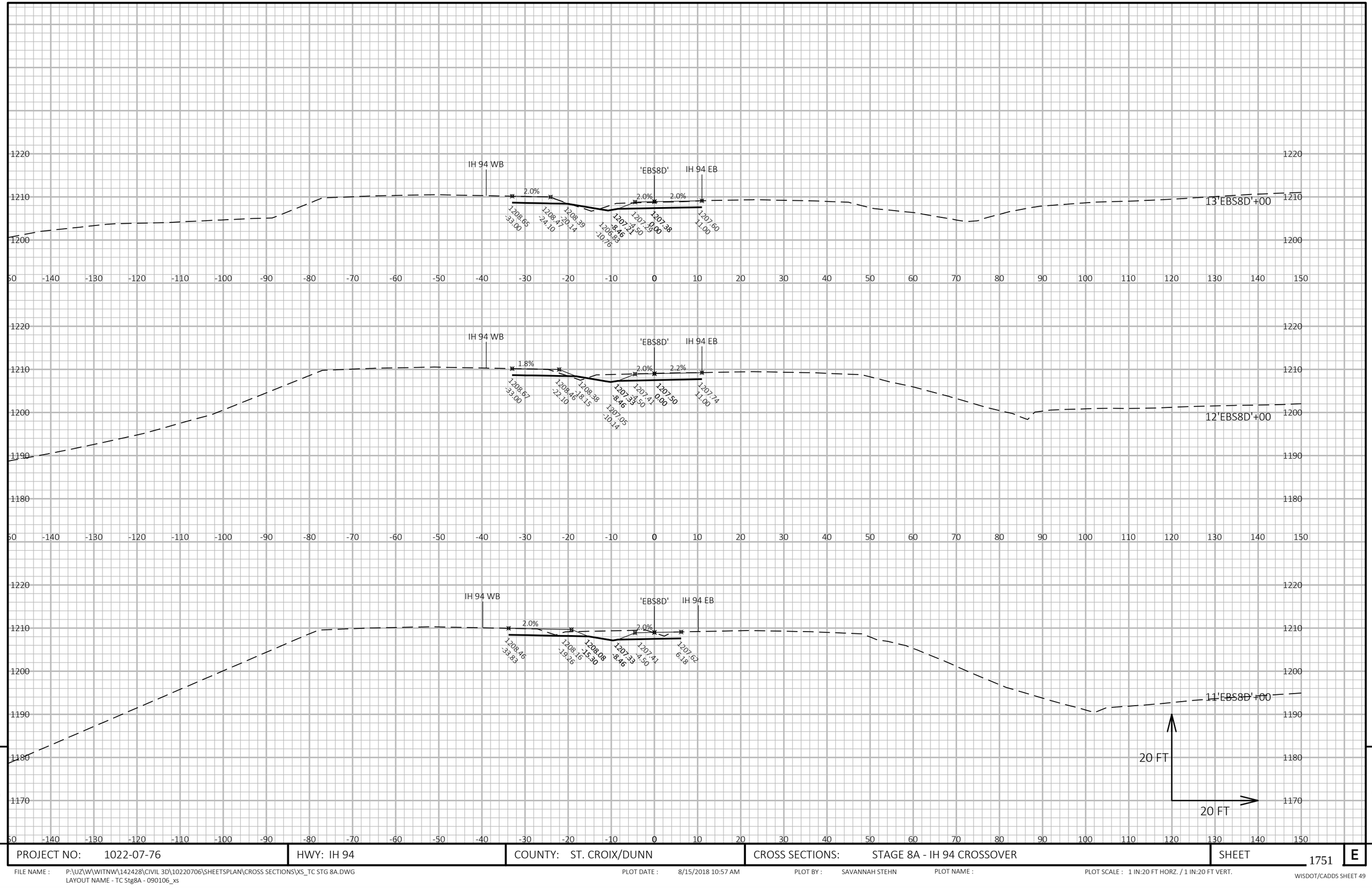
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8A - IH 94 CROSSOVER	SHEET 1750	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8A.DWG
LAYOUT NAME - TC Stg8A - 090105_xs

PLOT DATE : 8/15/2018 10:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



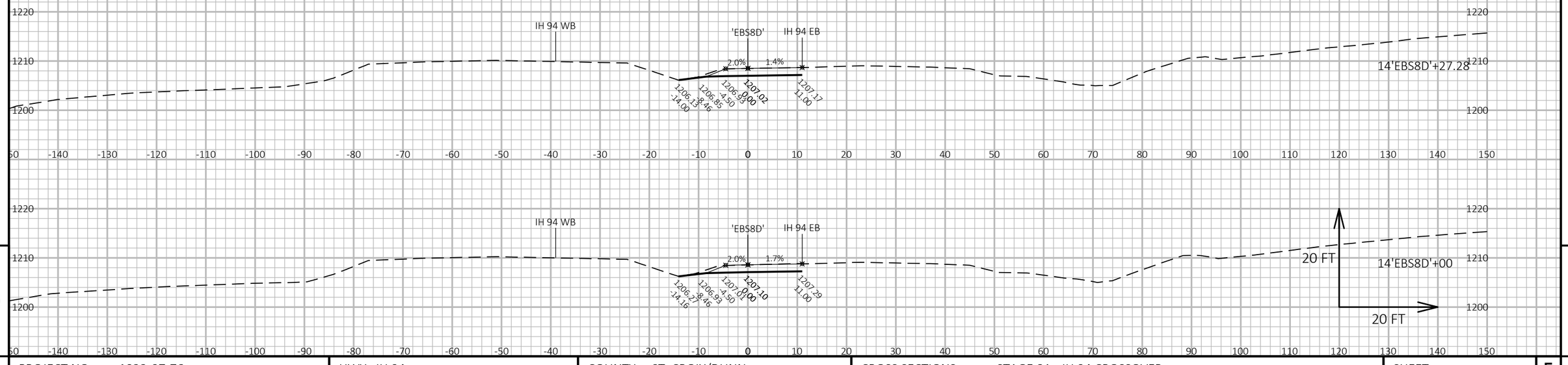
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8A - IH 94 CROSSOVER	SHEET 1751	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8A.DWG
LAYOUT NAME - TC Stg8A - 090106_xs

PLOT DATE : 8/15/2018 10:57 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



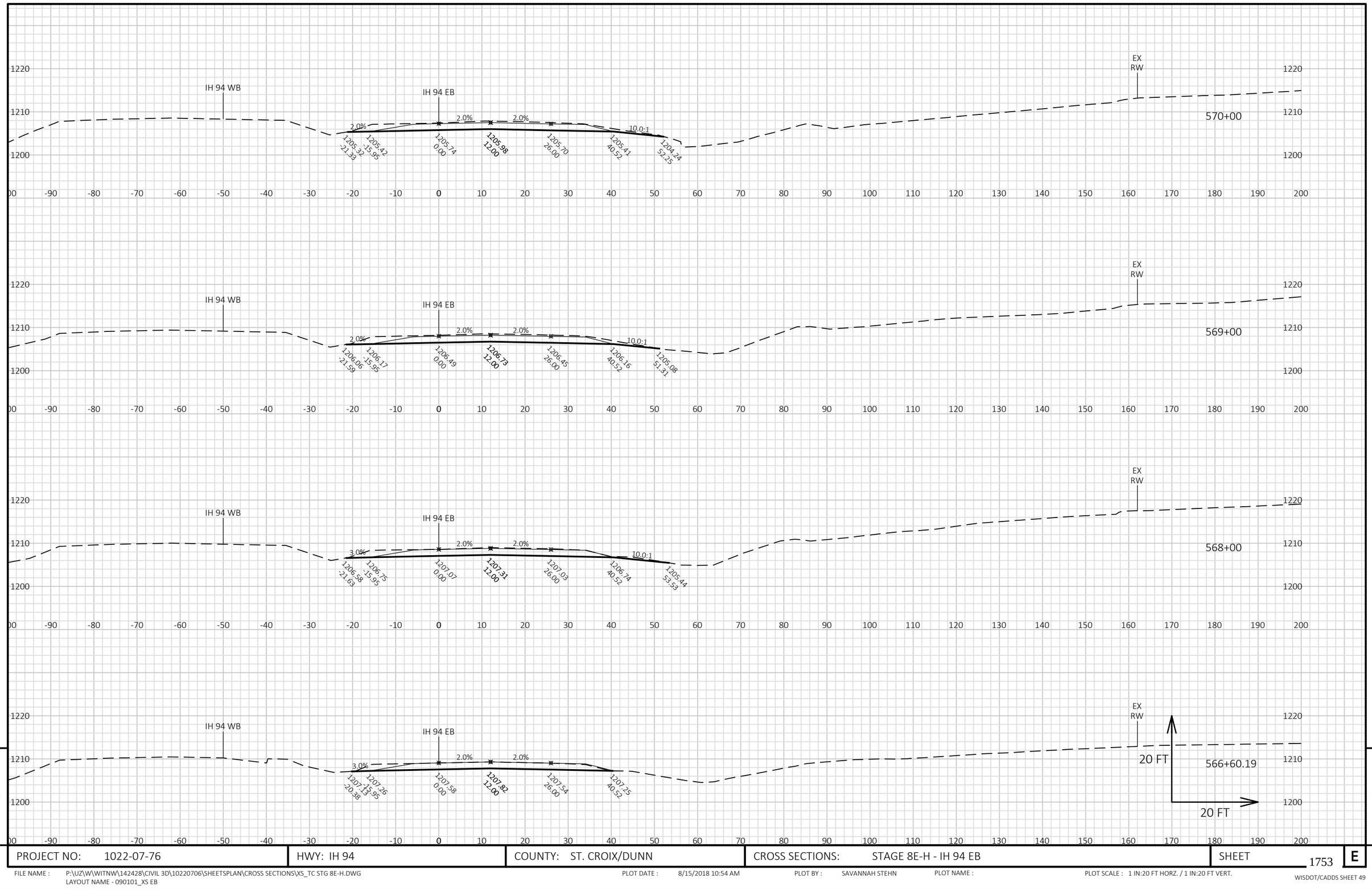
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8A - IH 94 CROSSOVER	SHEET 1752	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8A.DWG
LAYOUT NAME - TC Stg8A - 090107_xs

PLOT DATE : 8/15/2018 10:57 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



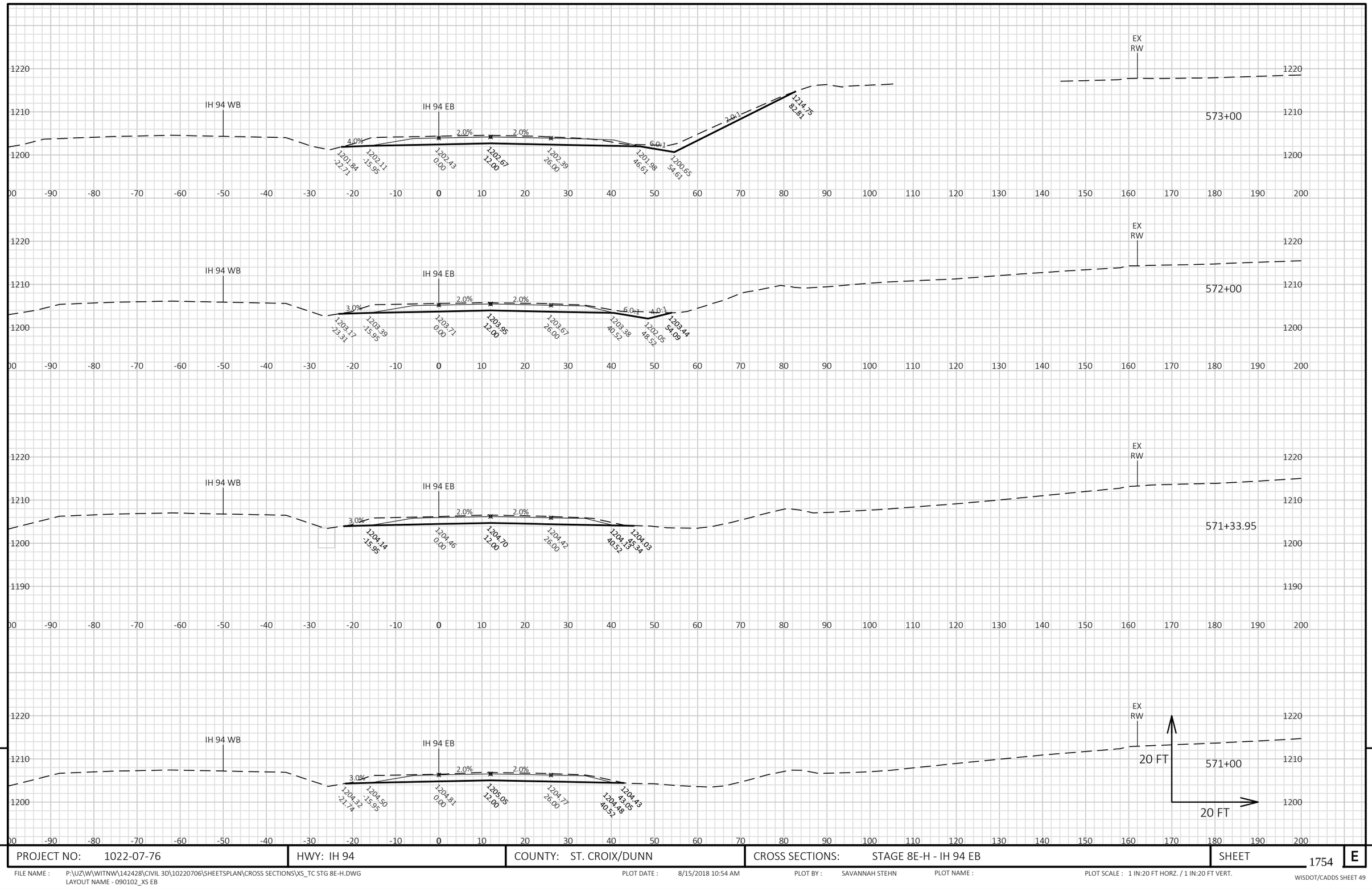
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1753	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090101_XS EB

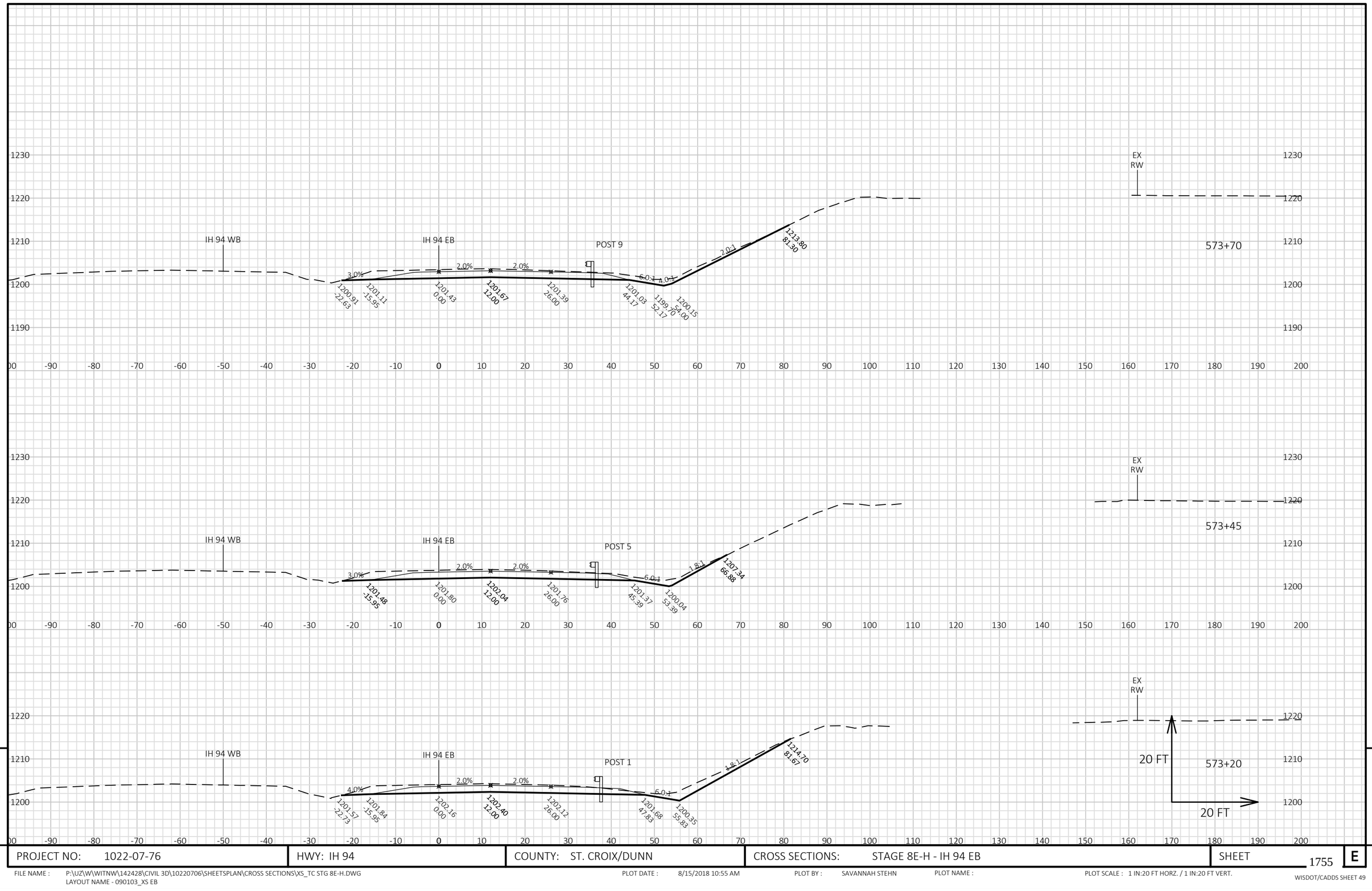
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1754	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090102_XS EB
PLOT DATE : 8/15/2018 10:54 AM
PLOT BY : SAVANNAH STEHN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



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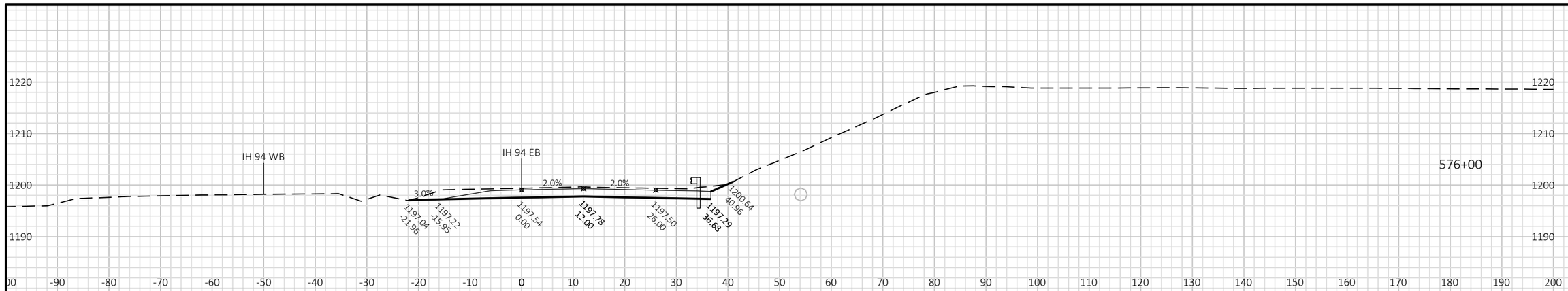
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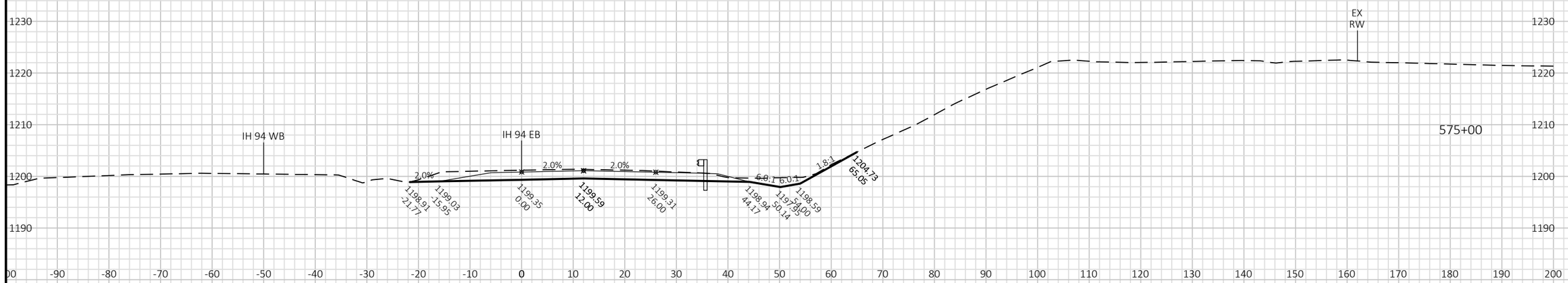
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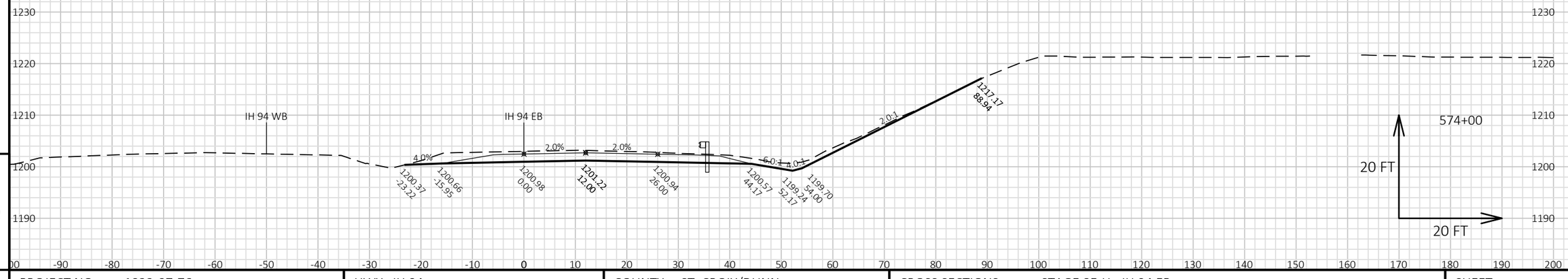
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LAYOUT NAME - 090103_XS EB

PLOT DATE : 8/15/2018 10:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







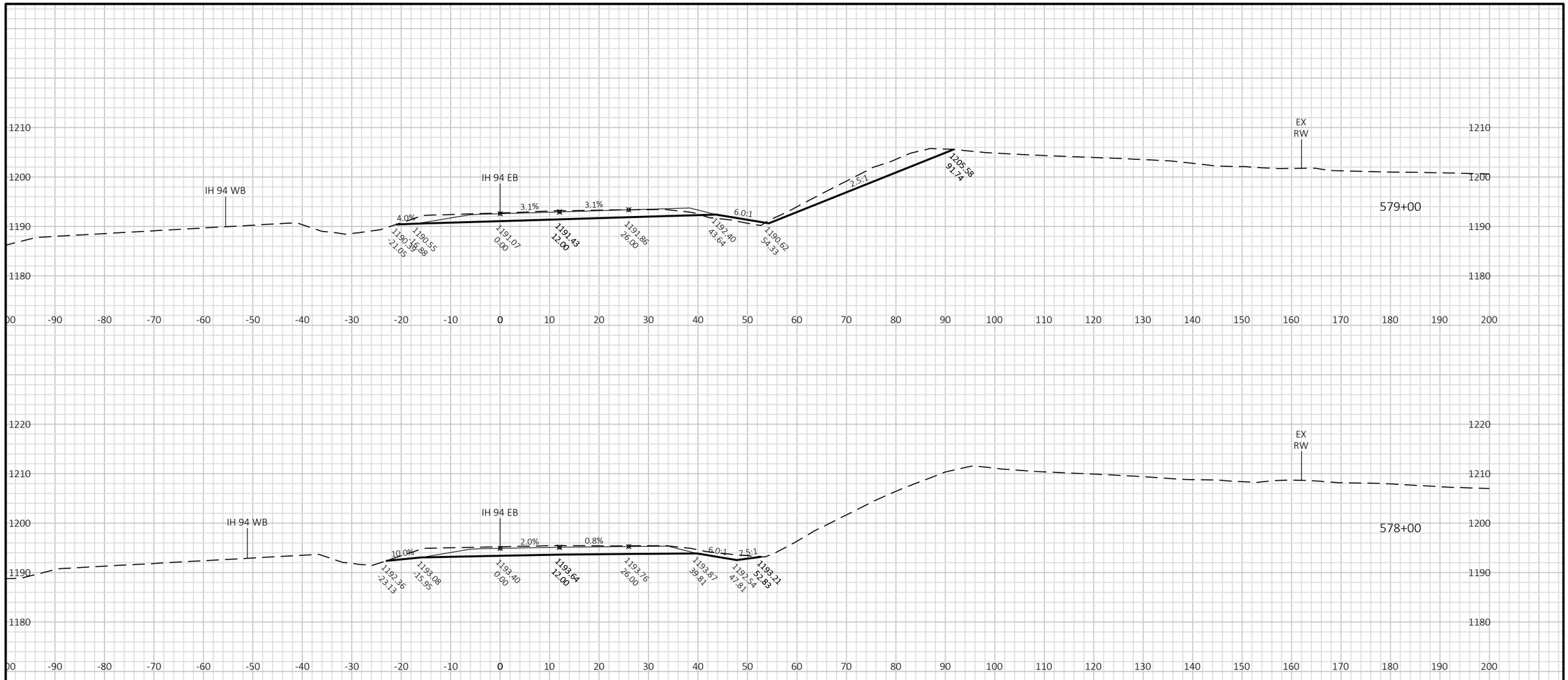
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1756	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090104_XS EB

PLOT DATE : 8/15/2018 10:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



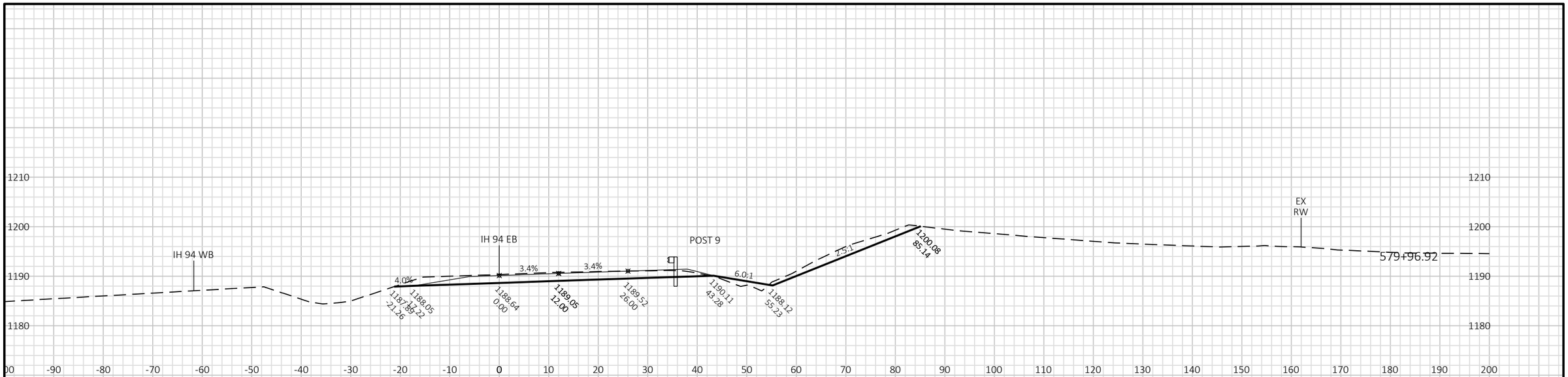
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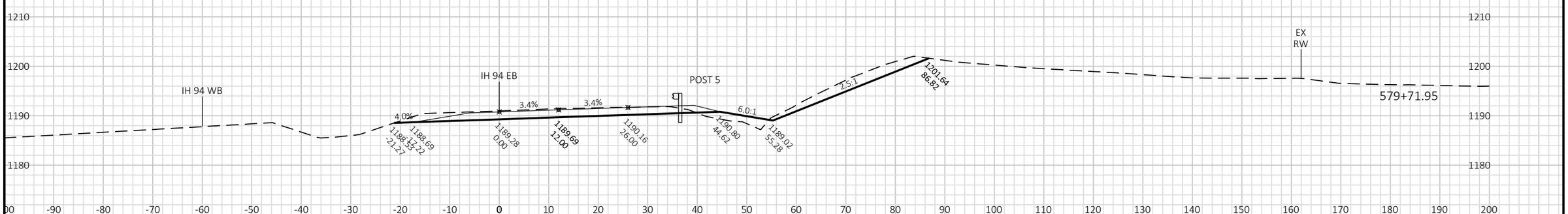
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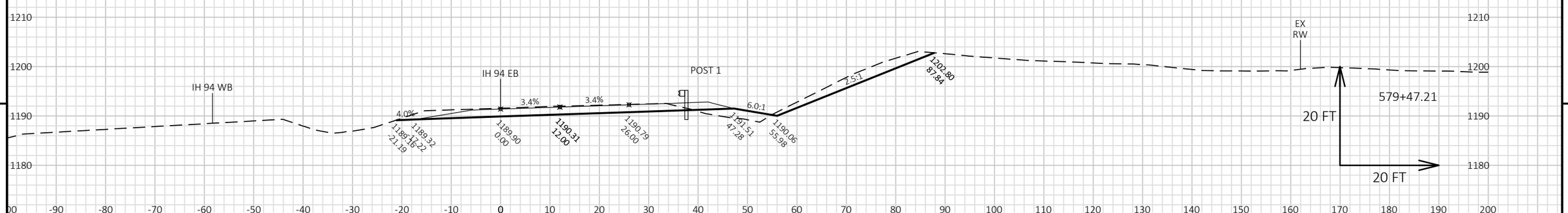
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1757	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090105_XS EB

PLOT DATE : 8/15/2018 10:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.







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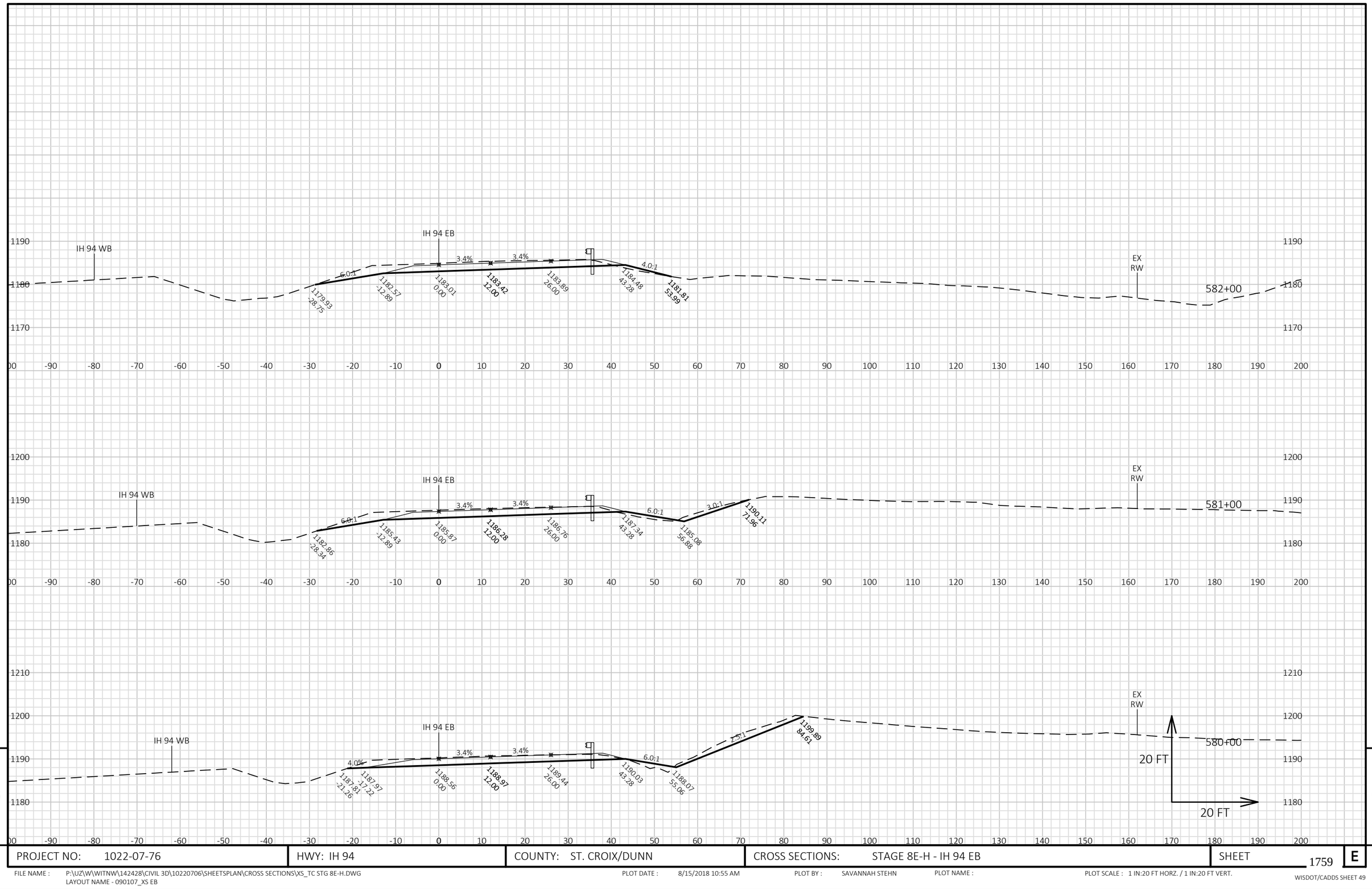
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1758	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090106_XS EB

PLOT DATE : 8/15/2018 10:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



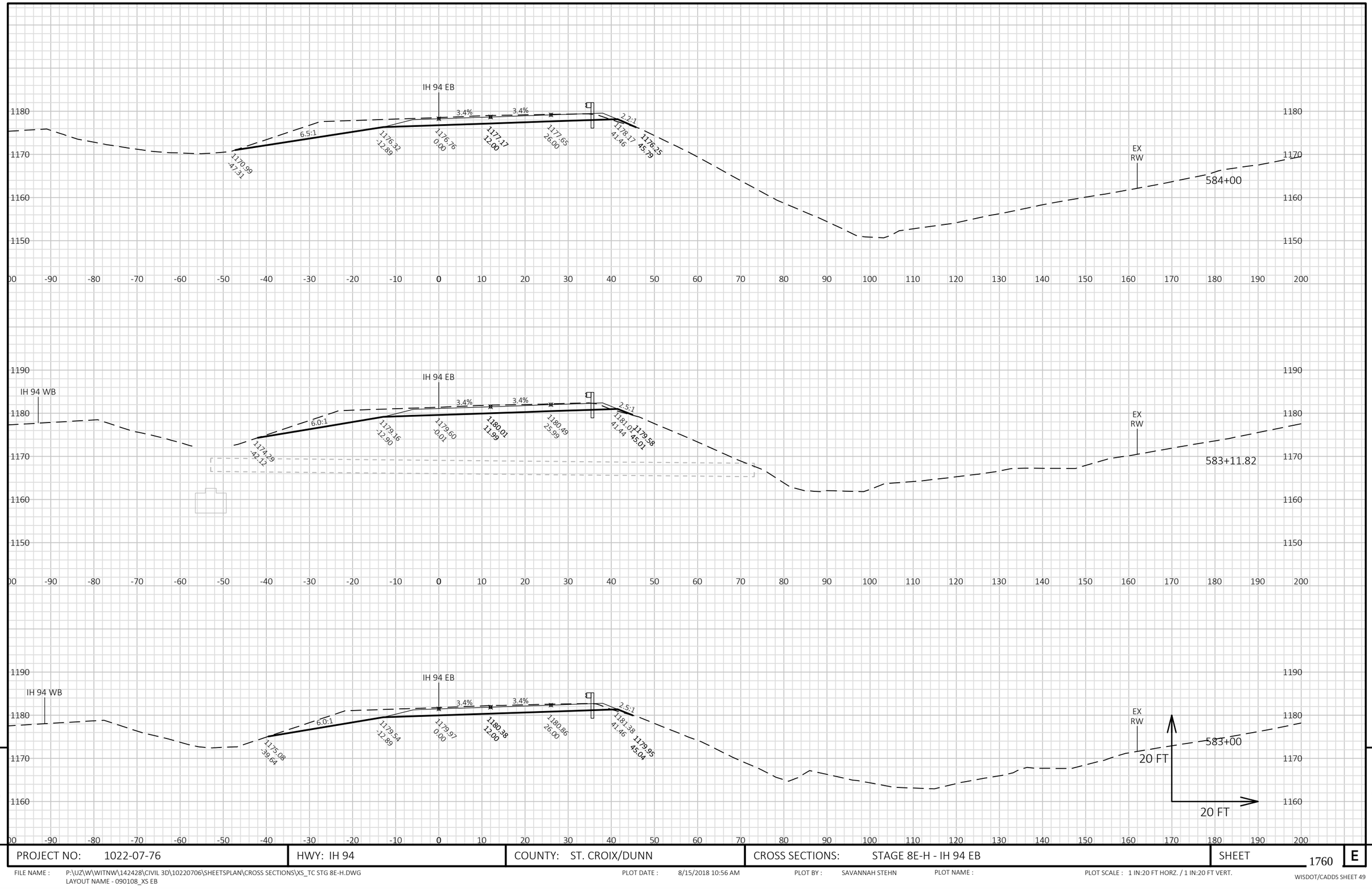
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1759	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090107_XS EB

PLOT DATE : 8/15/2018 10:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



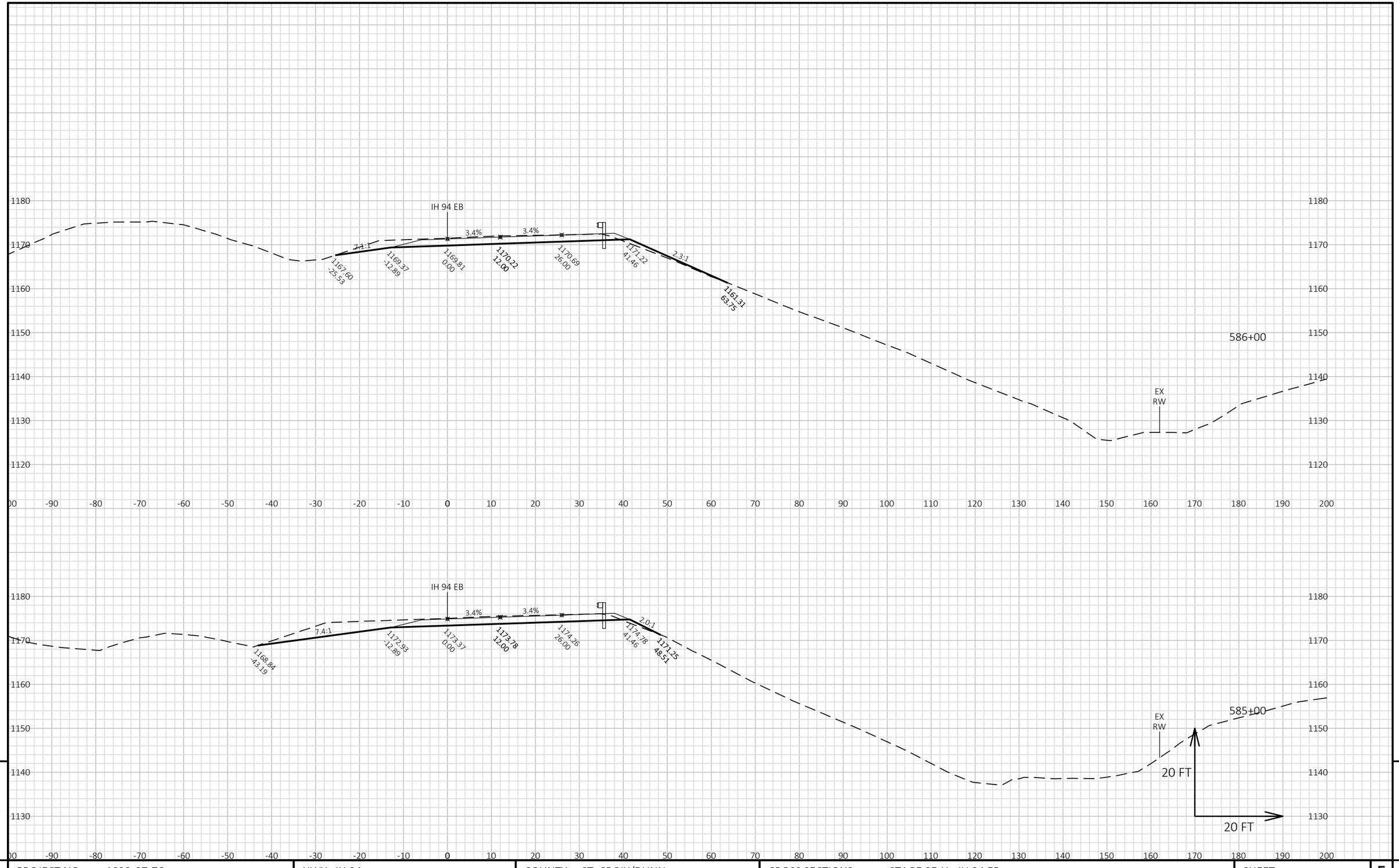
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1760	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090108_XS EB

PLOT DATE : 8/15/2018 10:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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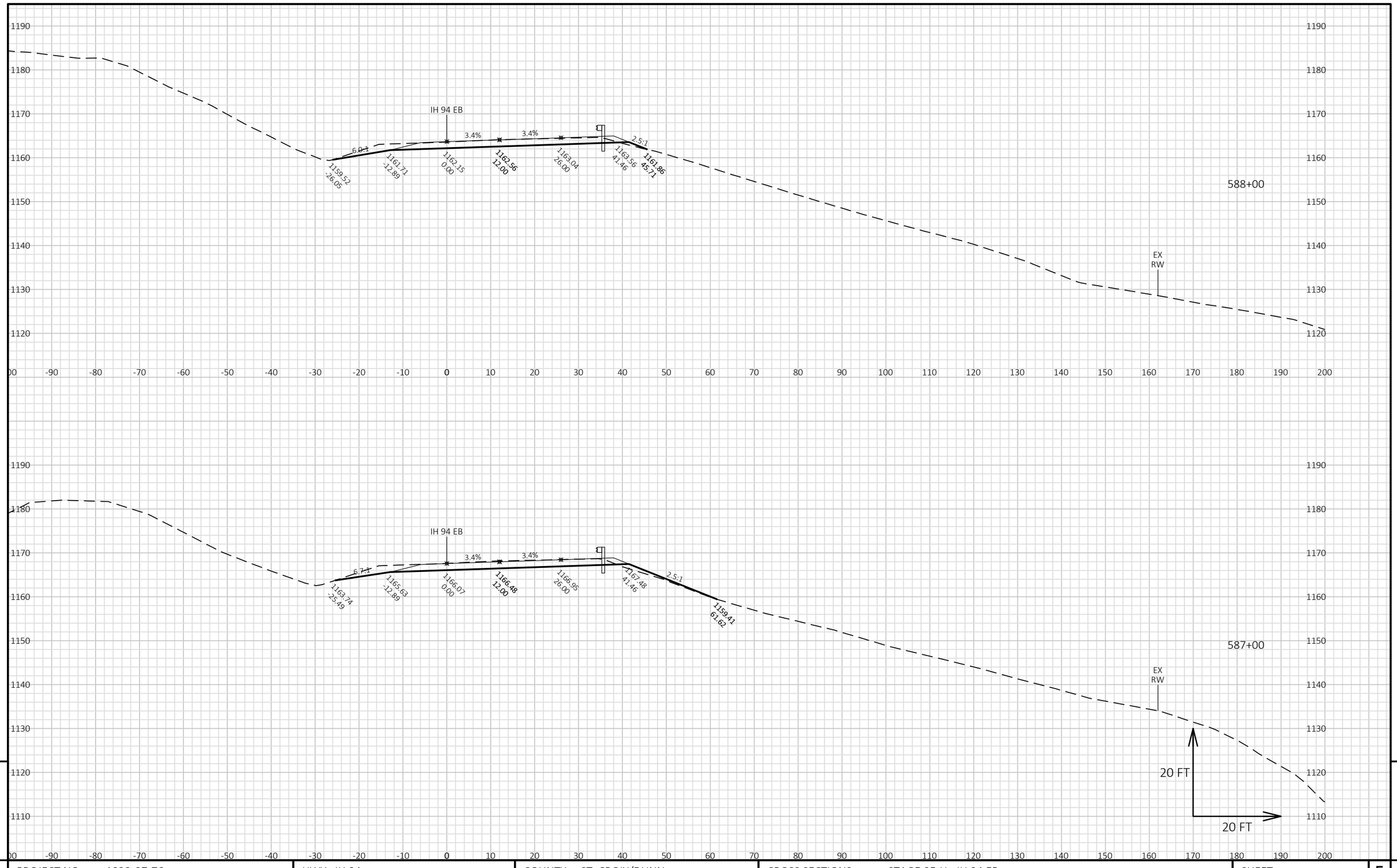
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1761	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090109_XS EB

PLOT DATE : 8/15/2018 10:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



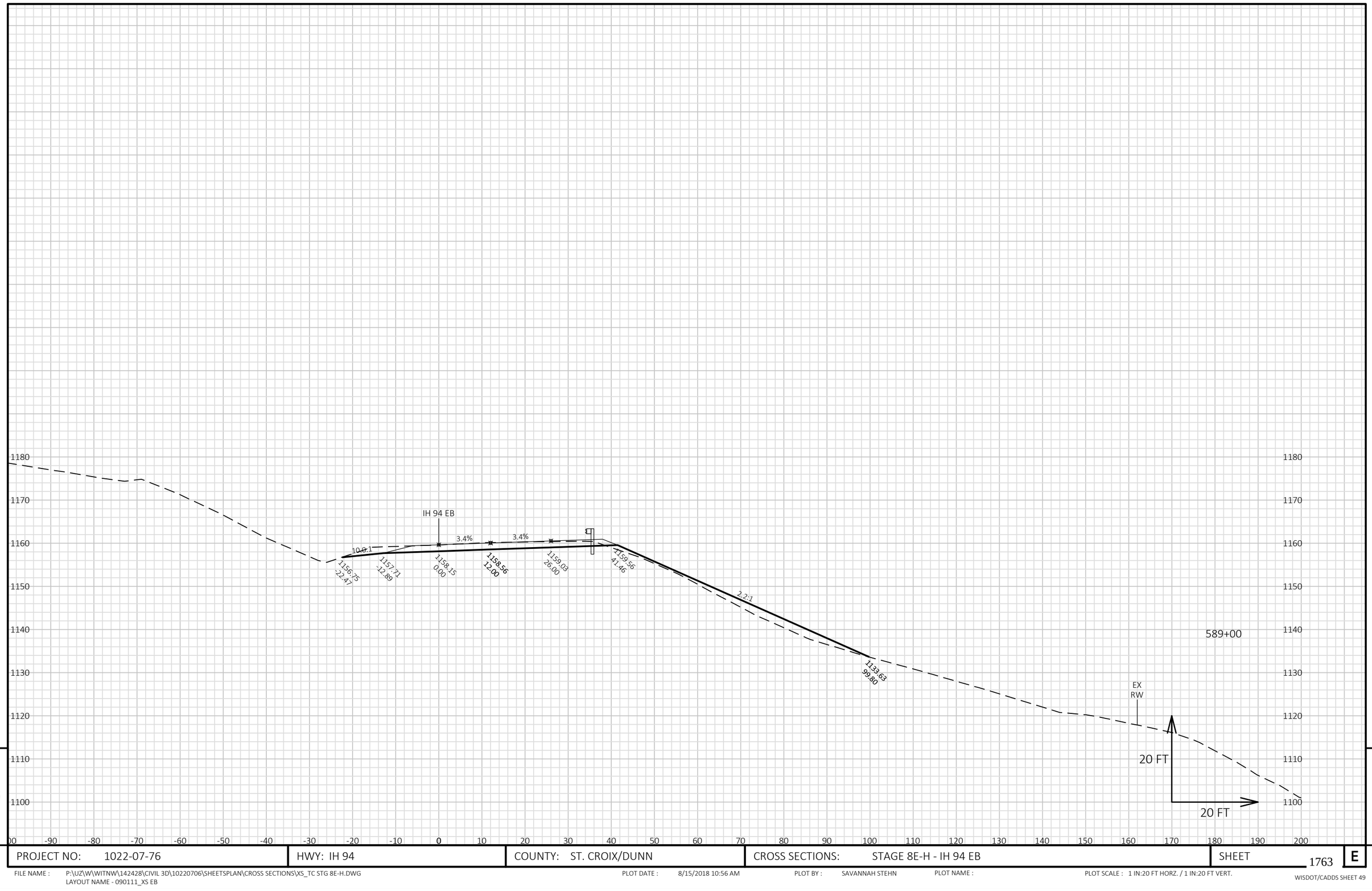
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1762 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090110_XS EB

PLOT DATE : 8/15/2018 10:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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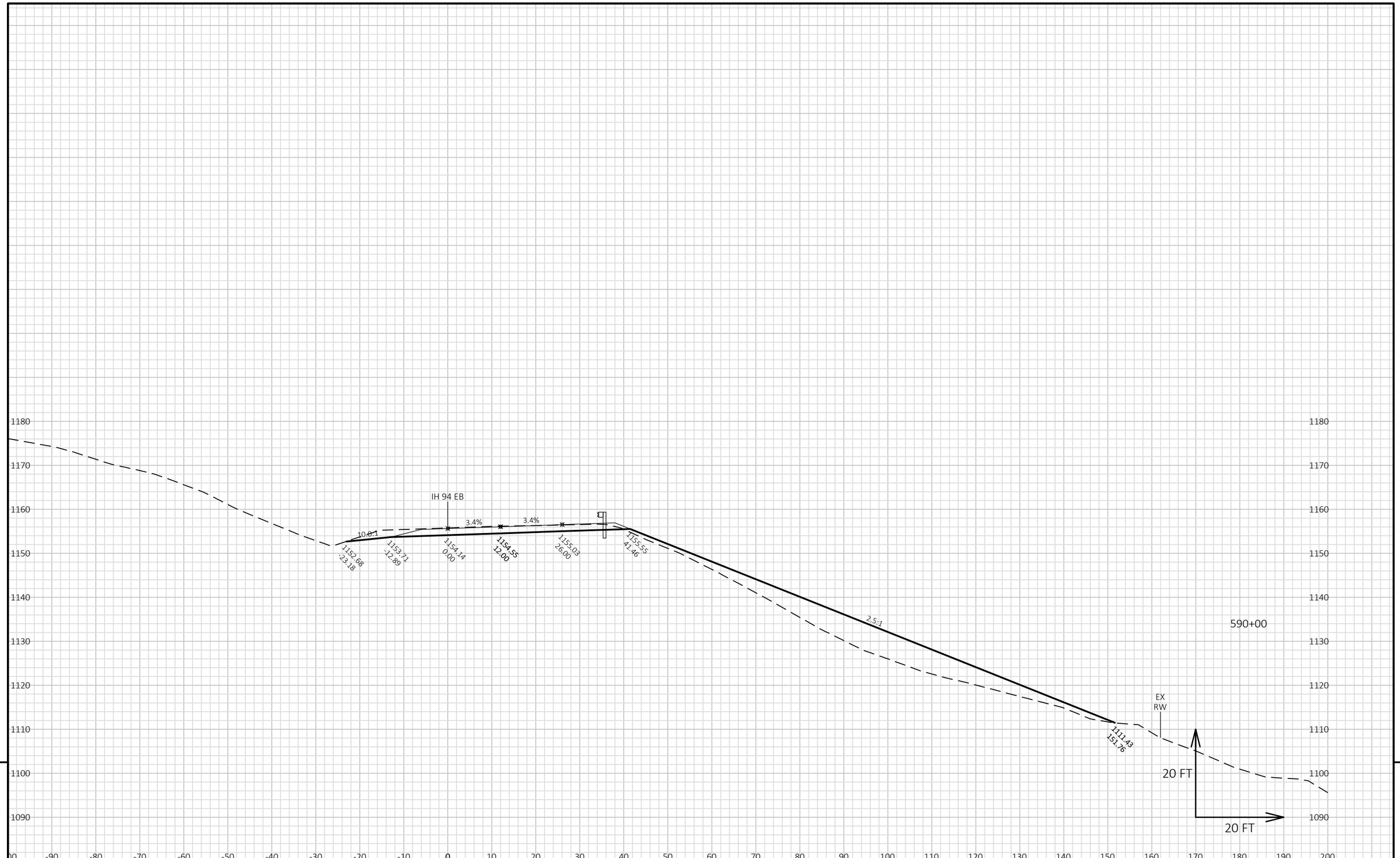
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1763	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090111_XS EB

PLOT DATE : 8/15/2018 10:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



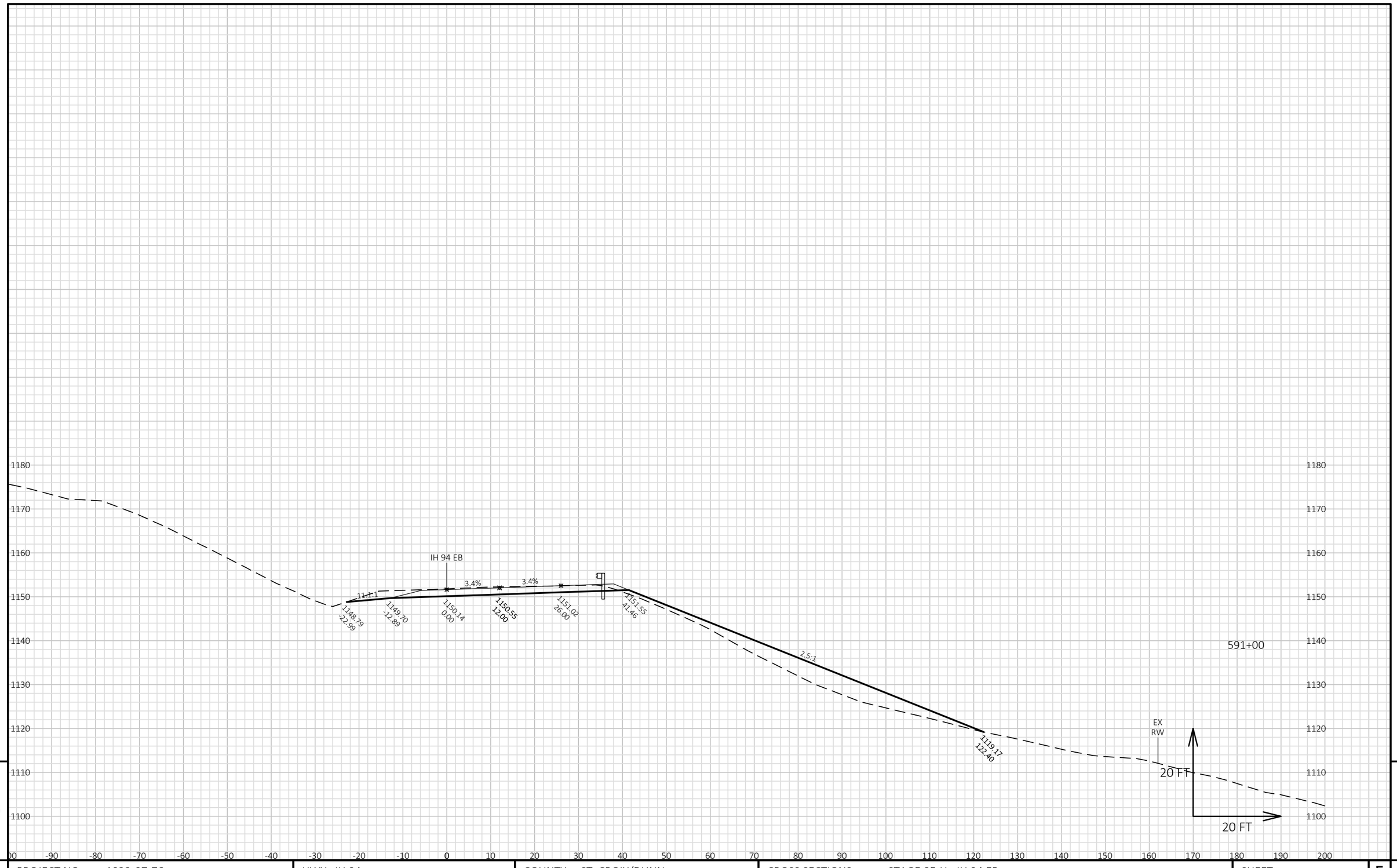
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1764 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090112_XS EB

PLOT DATE : 8/15/2018 10:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



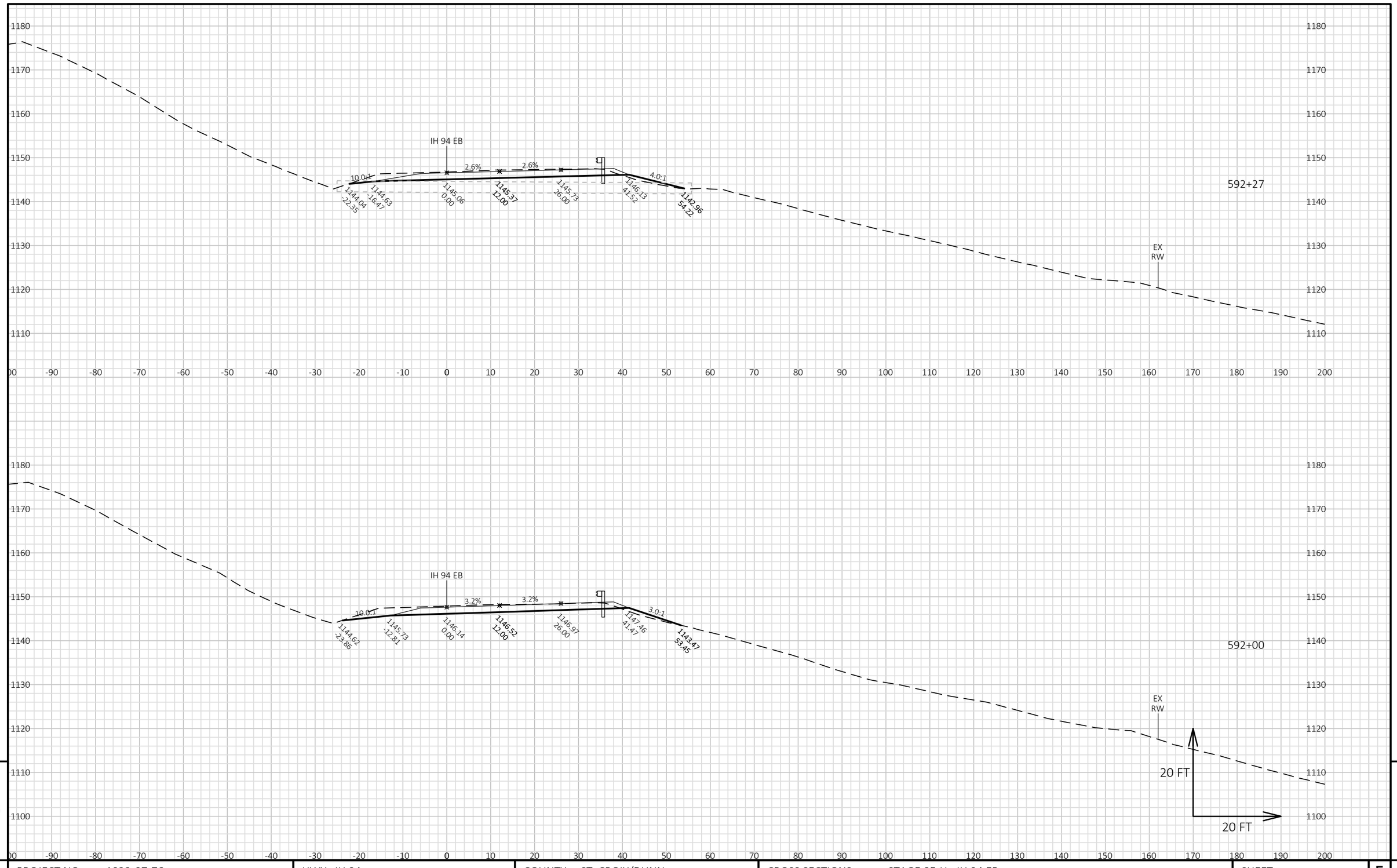
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1765	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090113_XS EB

PLOT DATE : 8/15/2018 10:57 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

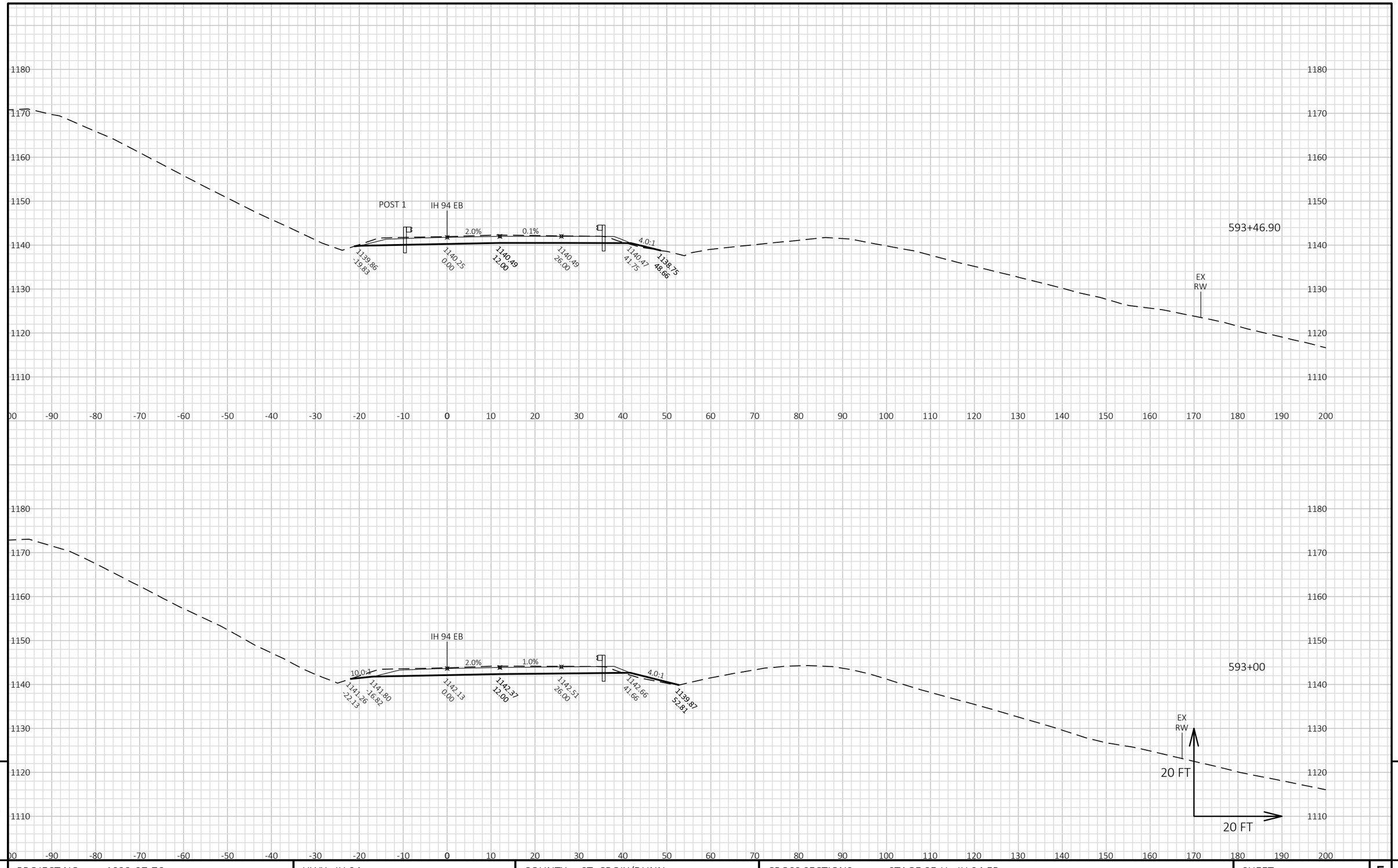


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1766 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090114_XS EB

PLOT DATE : 8/15/2018 10:57 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



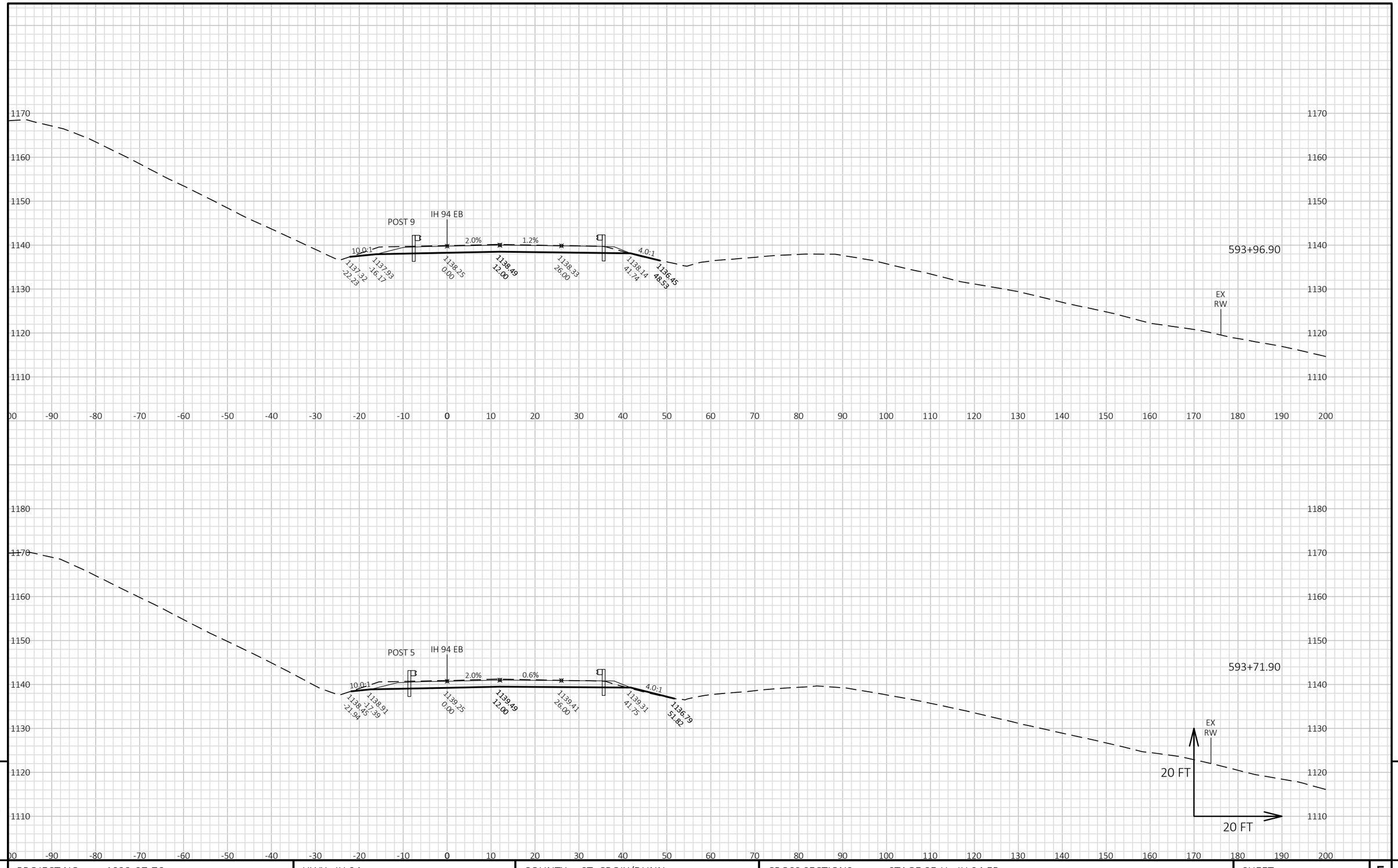
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1767	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090115_XS EB

PLOT DATE : 8/15/2018 10:57 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

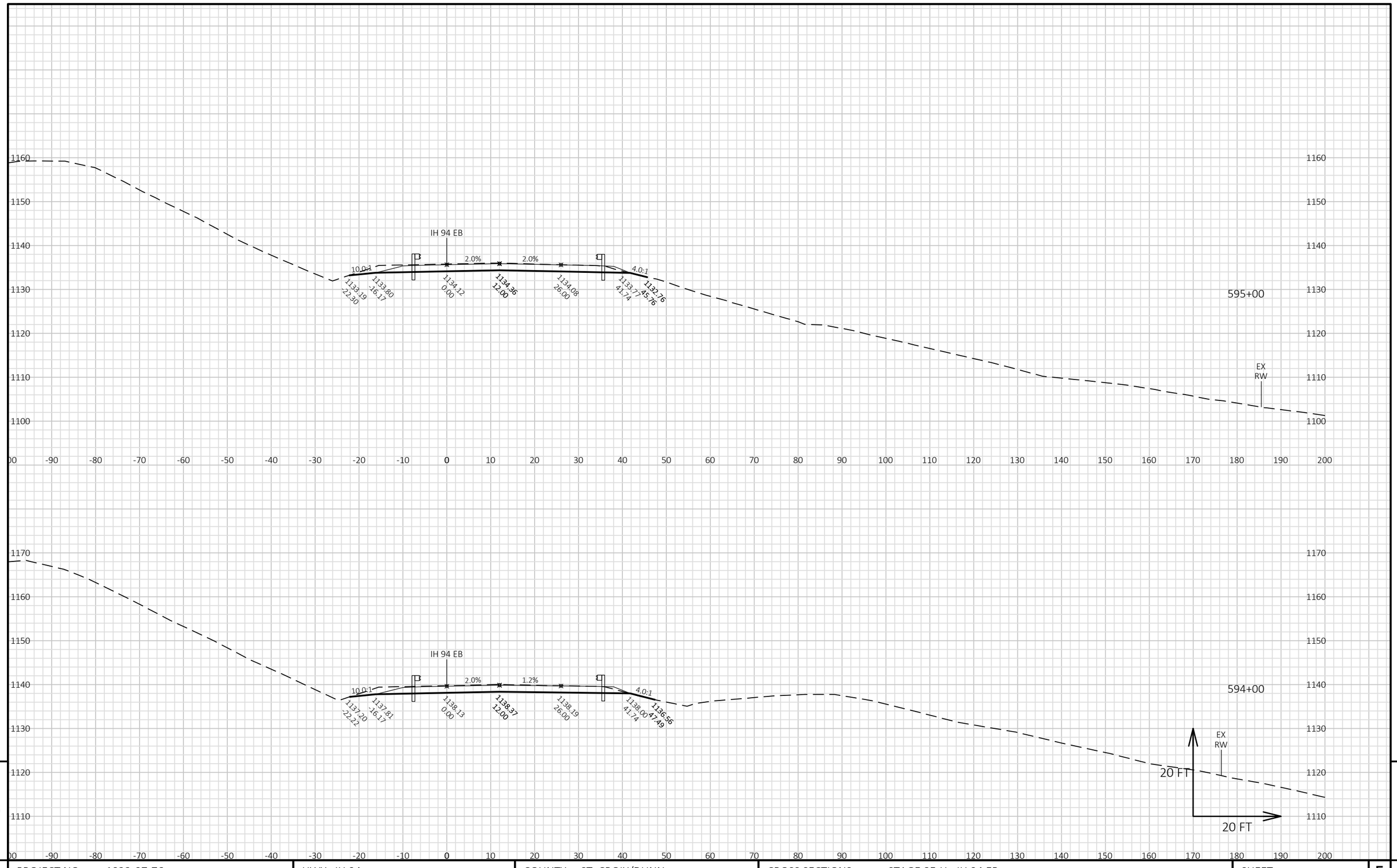


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1768	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090116_XS EB

PLOT DATE : 8/15/2018 10:57 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

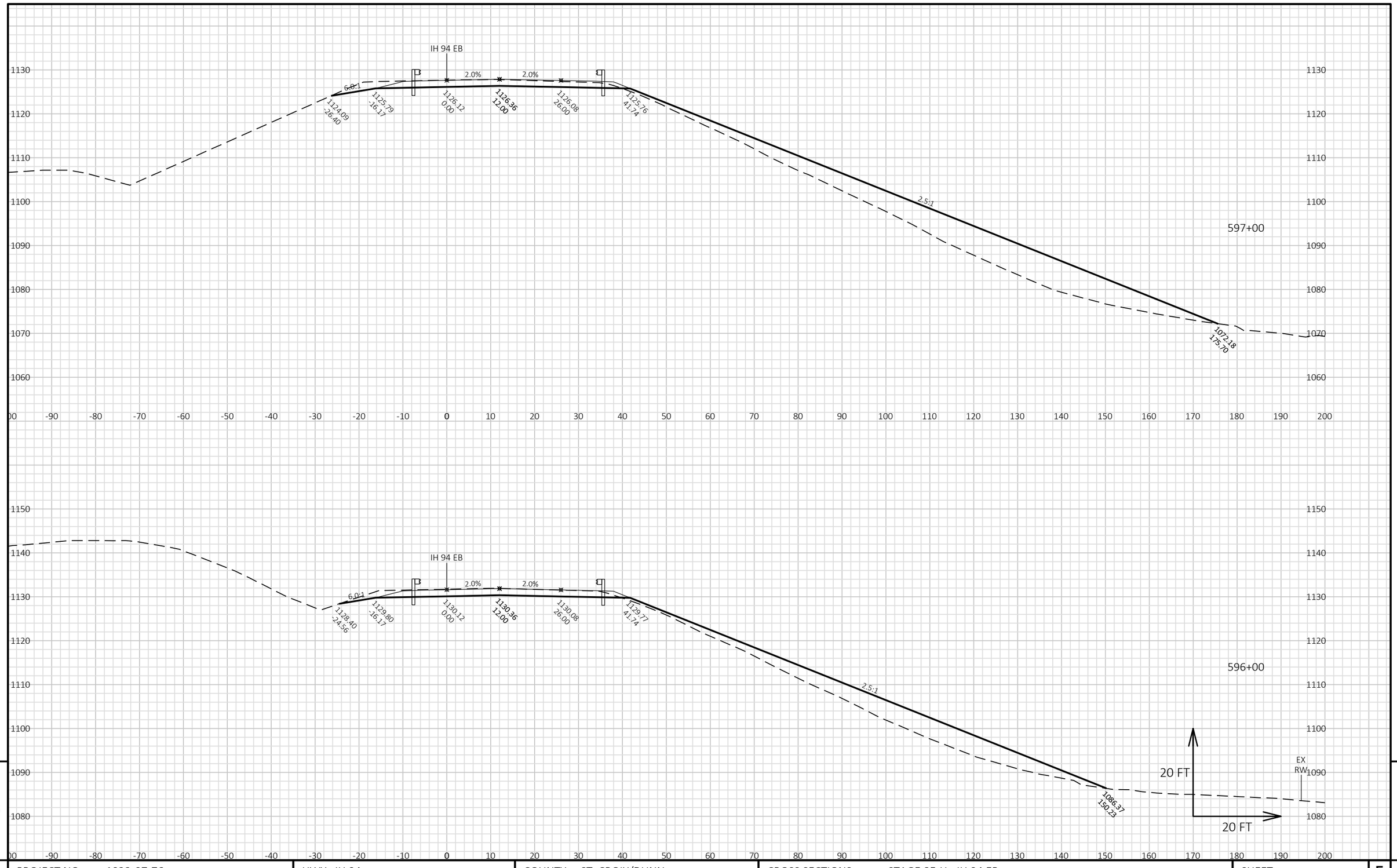


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1769	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090117_XS EB

PLOT DATE : 8/15/2018 10:57 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

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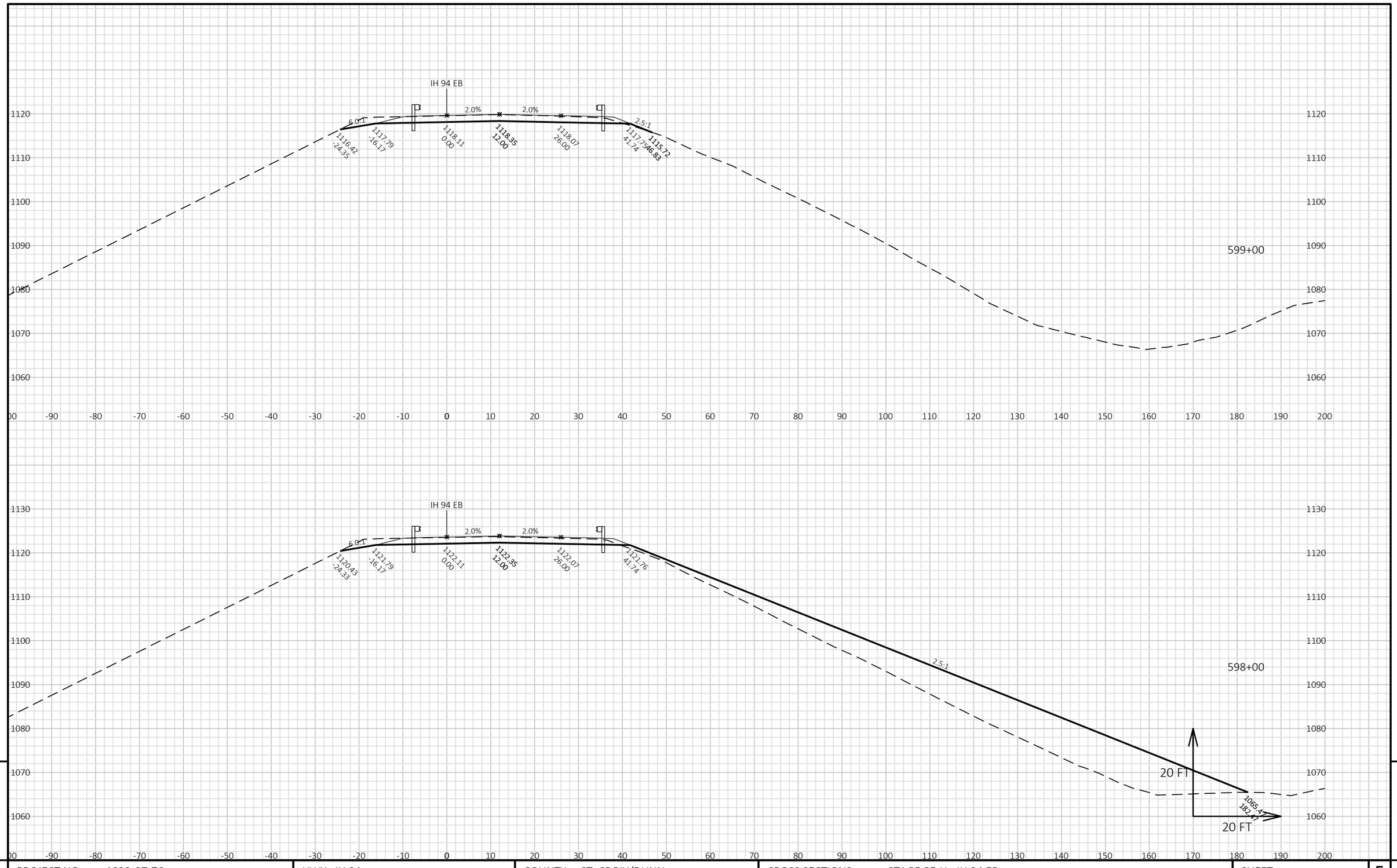


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1770	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090118_XS EB

PLOT DATE : 8/15/2018 10:57 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

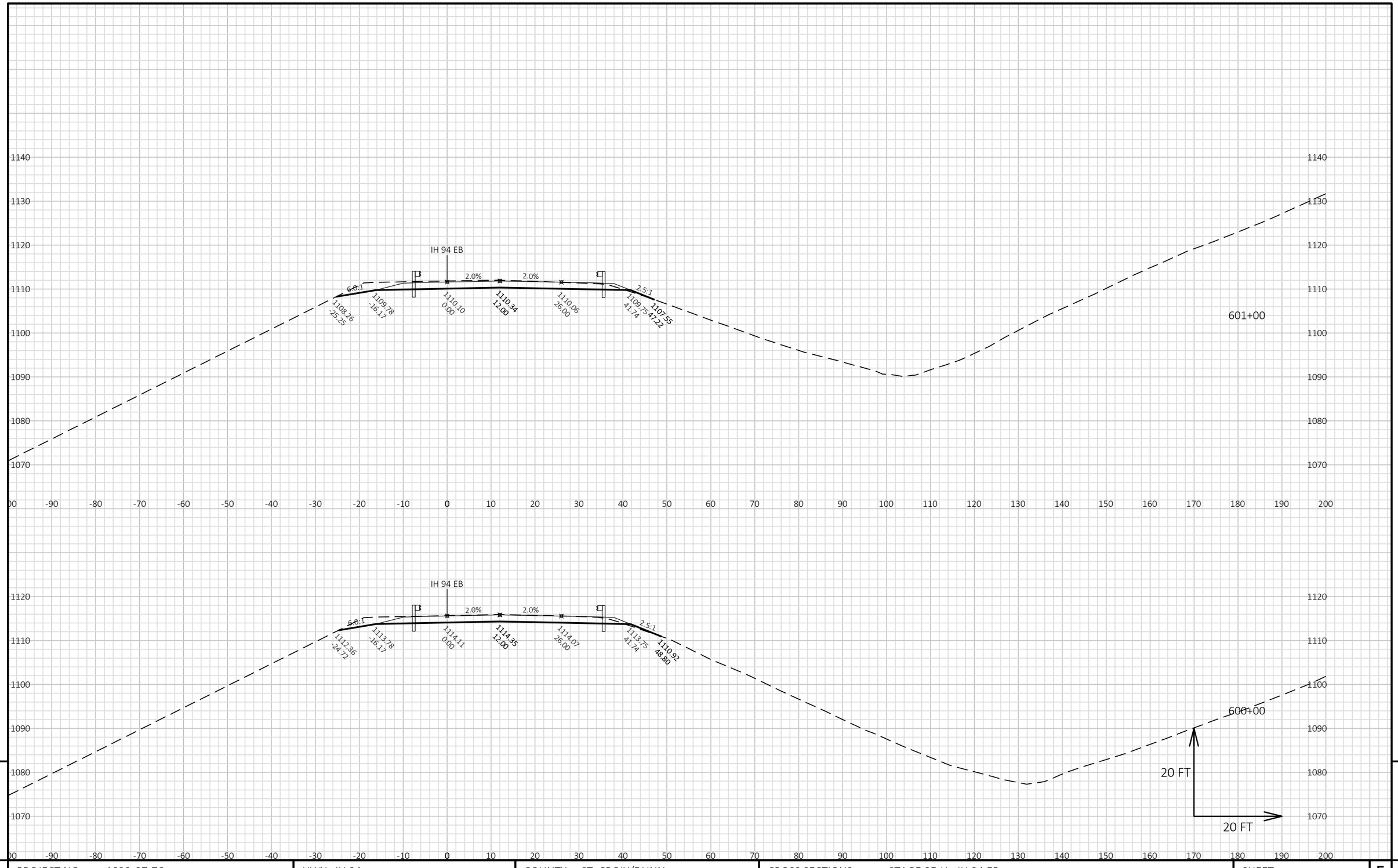


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1771 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090119_XS EB

PLOT DATE : 8/15/2018 10:58 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



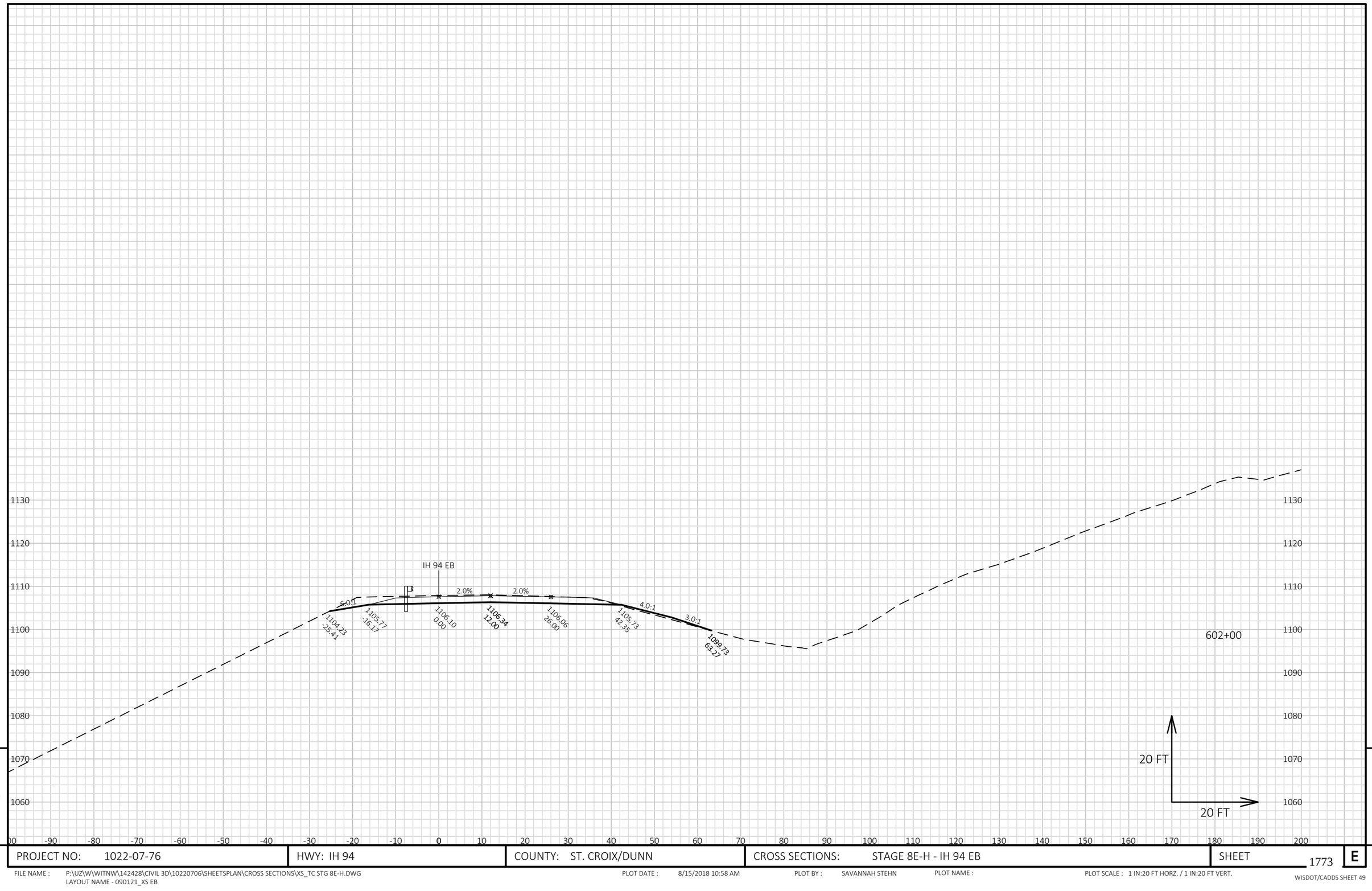
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1772	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090120_XS EB

PLOT DATE : 8/15/2018 10:58 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

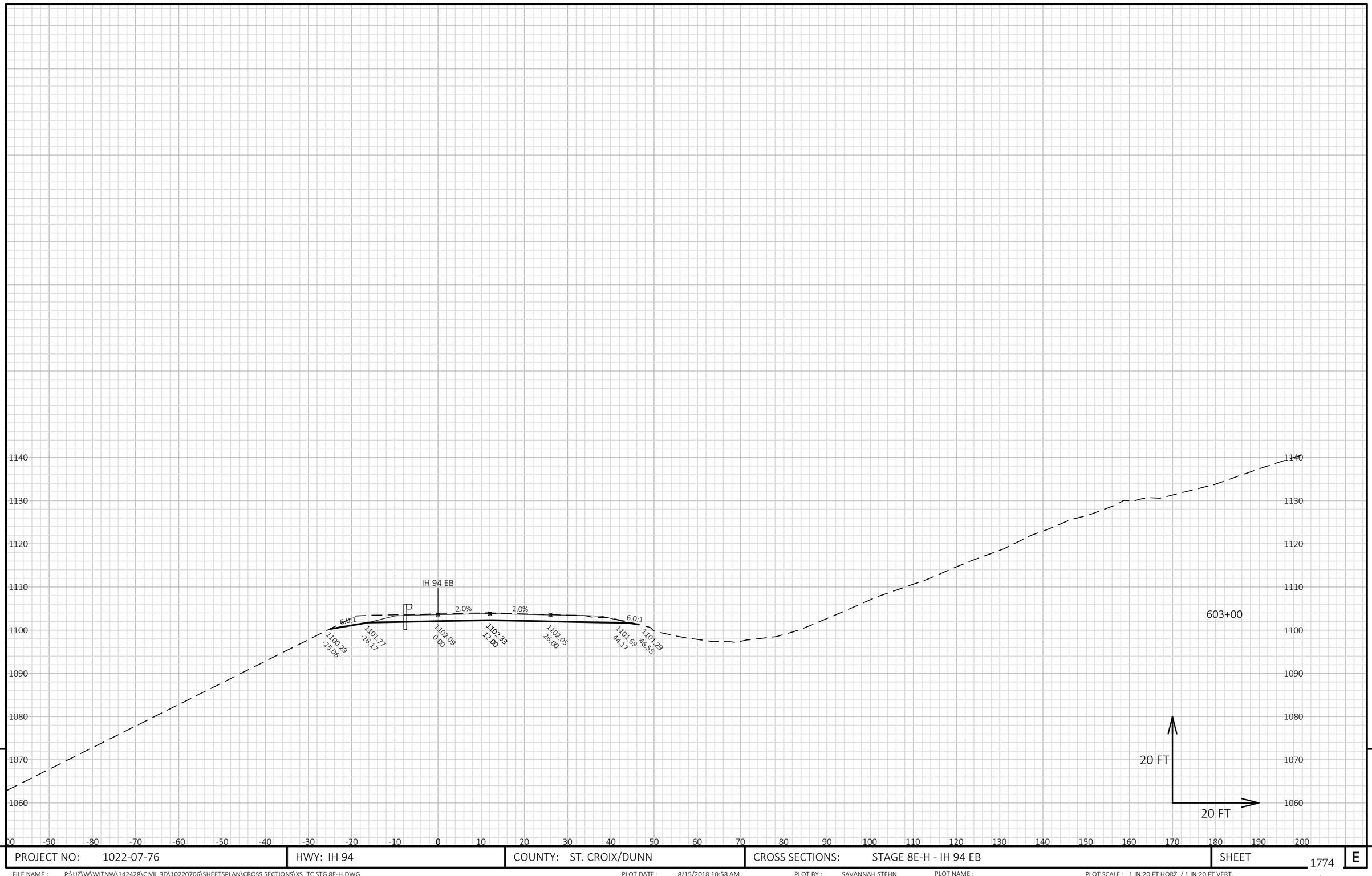


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1773	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090121_XS EB

PLOT DATE : 8/15/2018 10:58 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



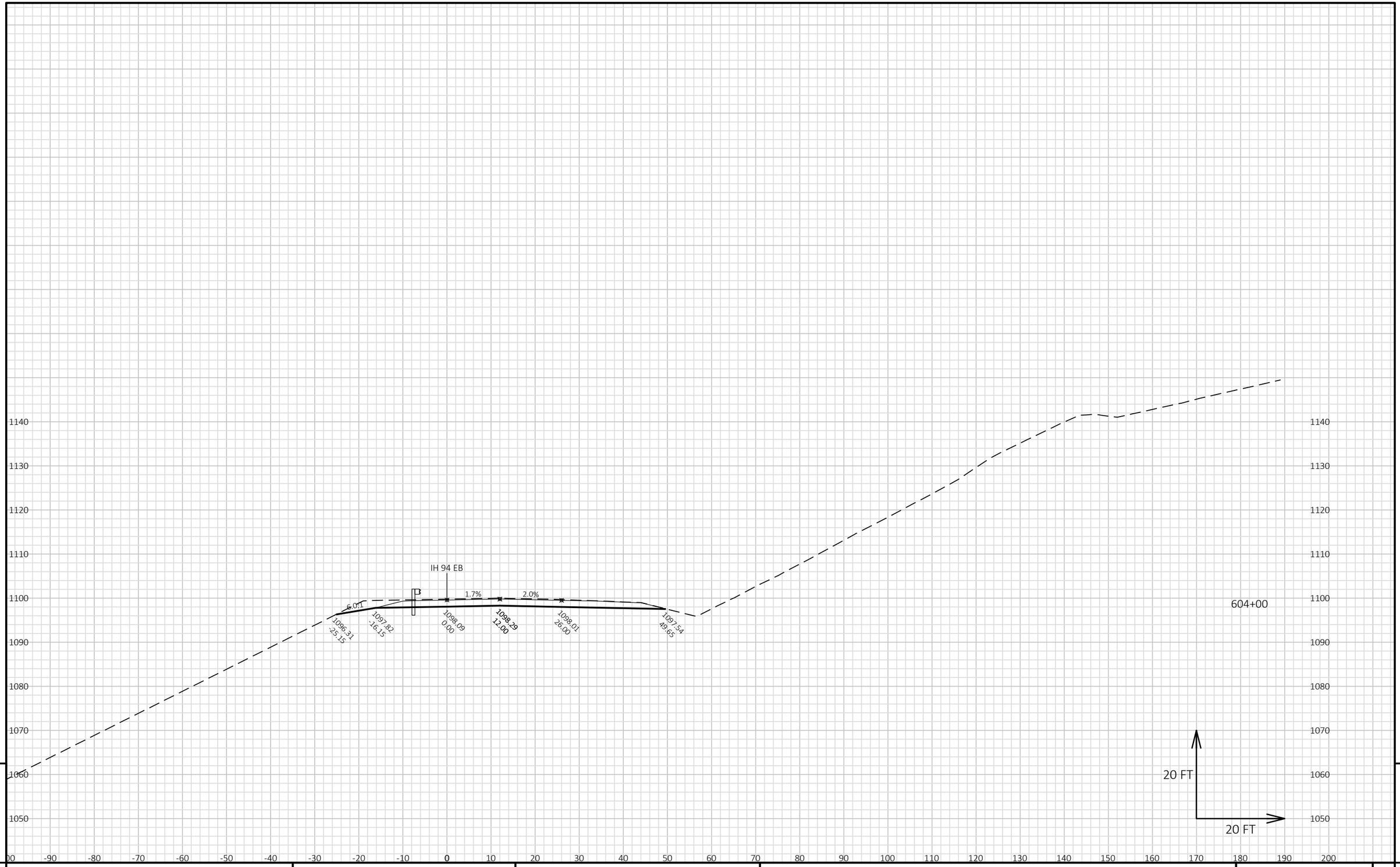
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1774	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090122_XS EB

PLOT DATE : 8/15/2018 10:58 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



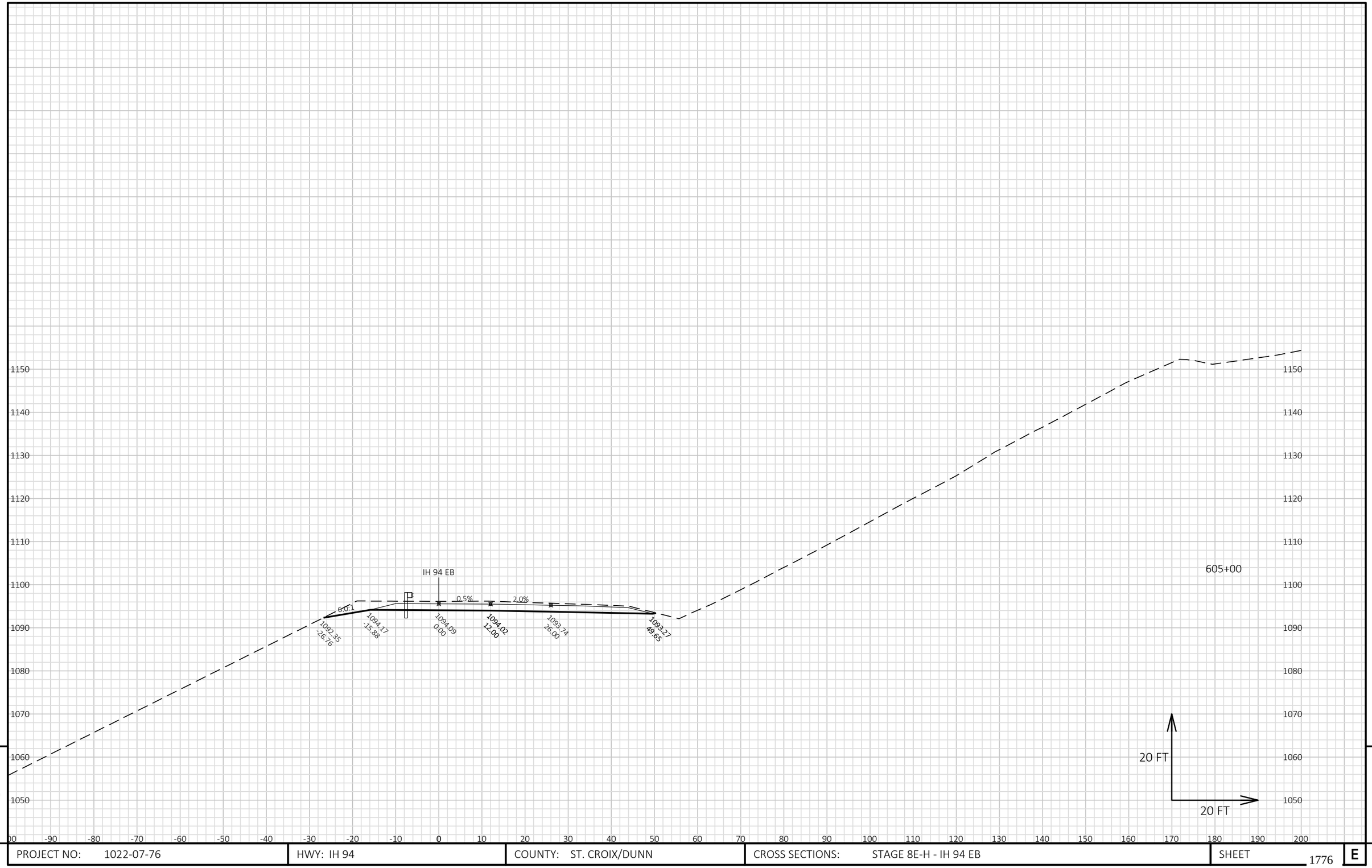
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1775	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090123_XS EB

PLOT DATE : 8/15/2018 10:58 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



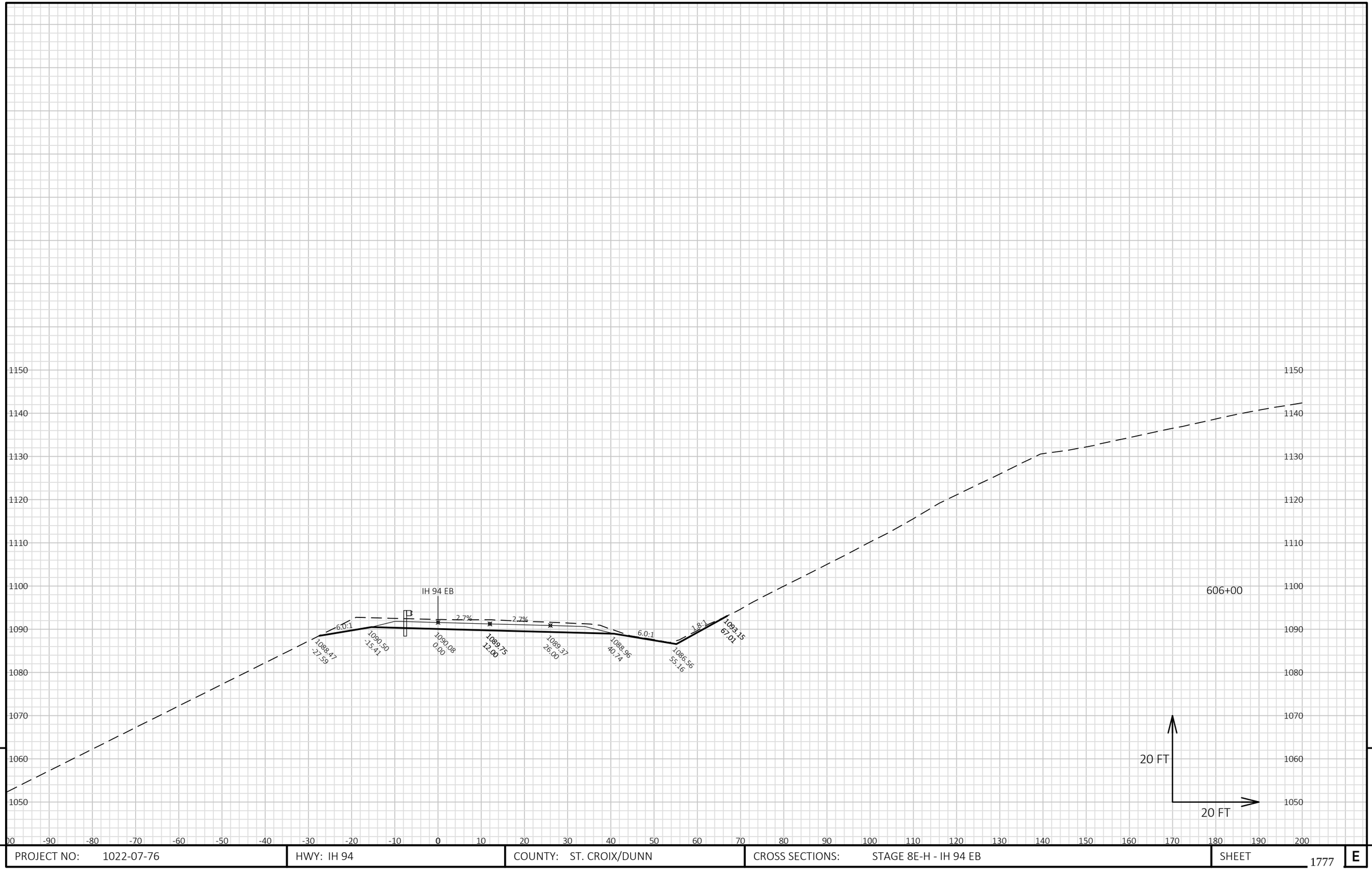
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1776	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090124_XS EB

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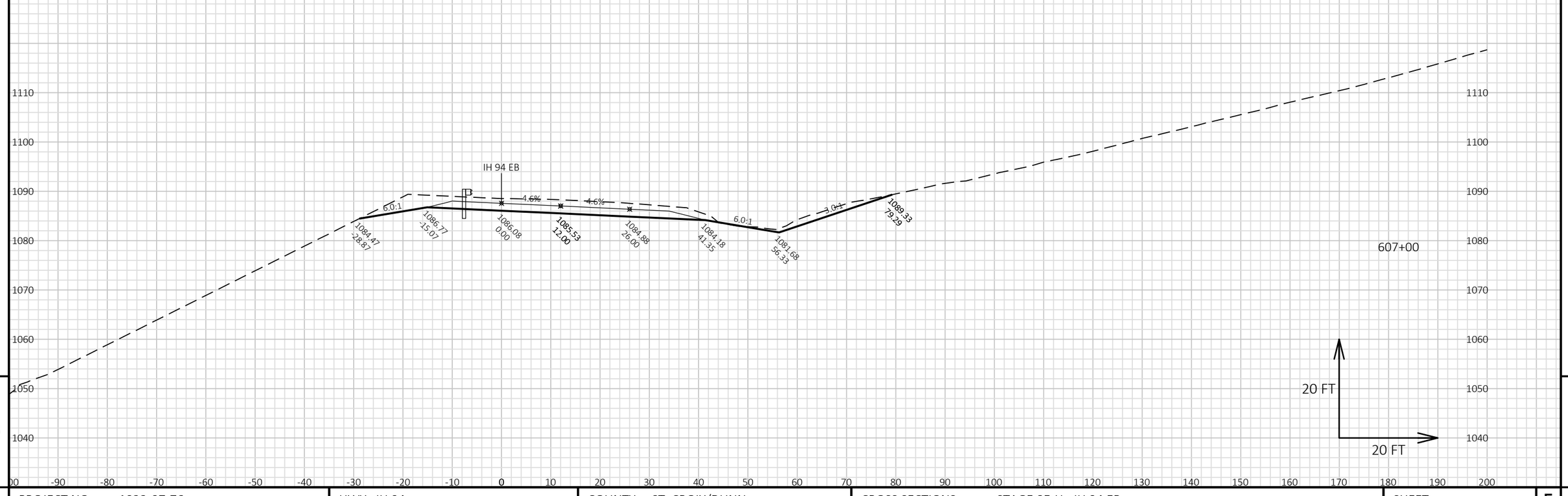
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1777	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090125_XS EB

PLOT DATE : 8/15/2018 10:59 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



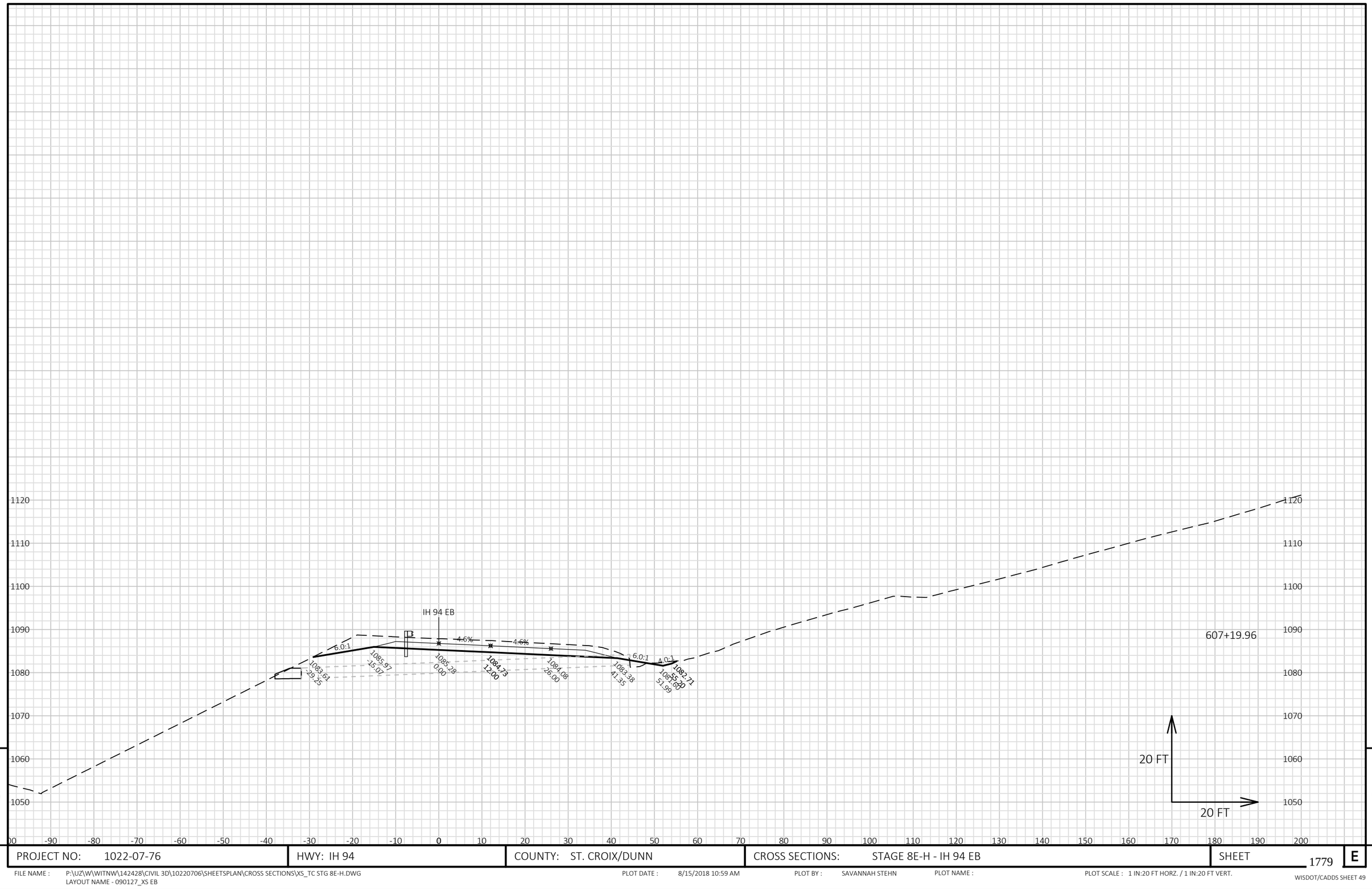
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1778	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090126_XS EB

PLOT DATE : 8/15/2018 10:59 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

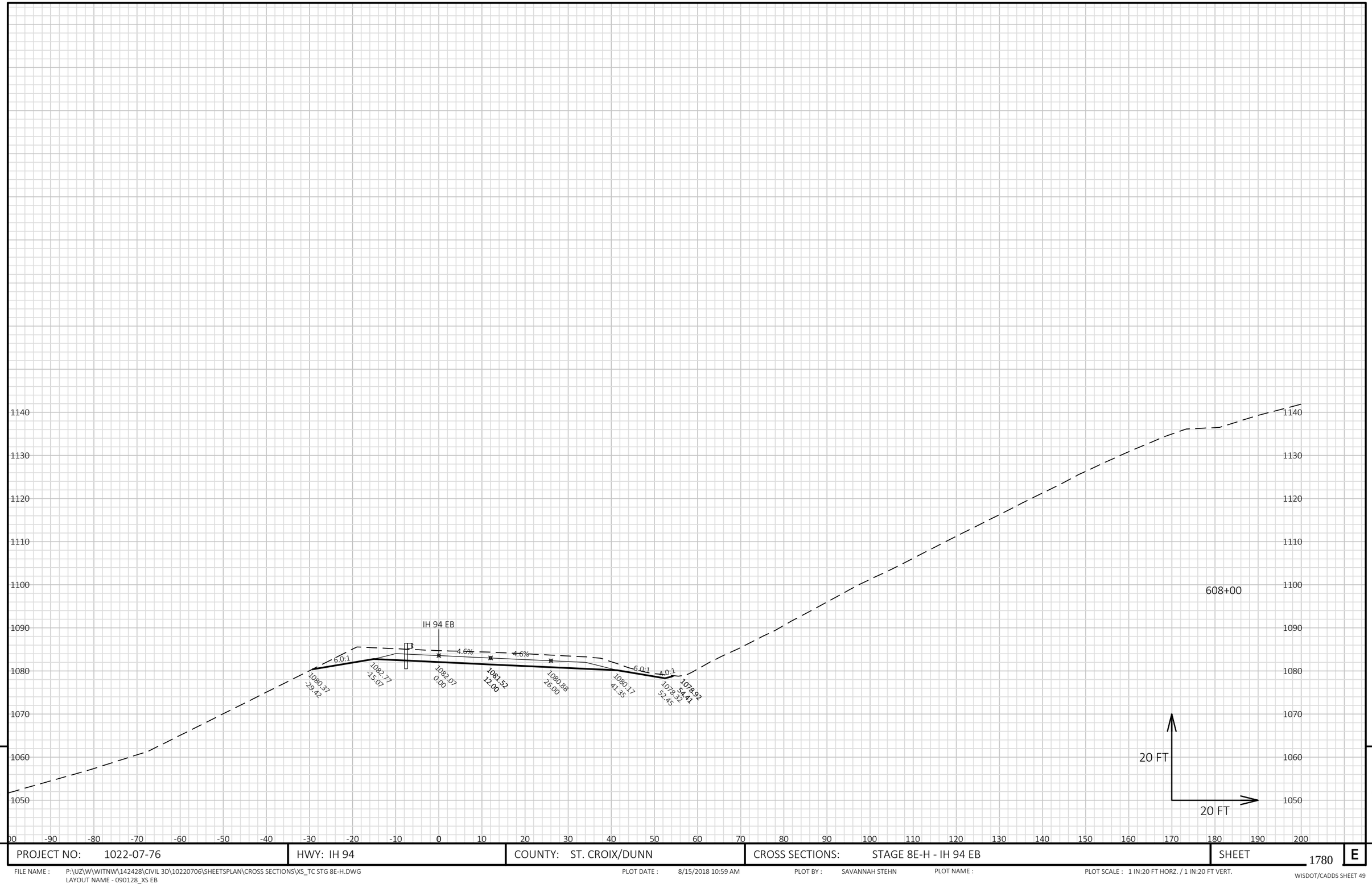


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1779	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090127_XS EB

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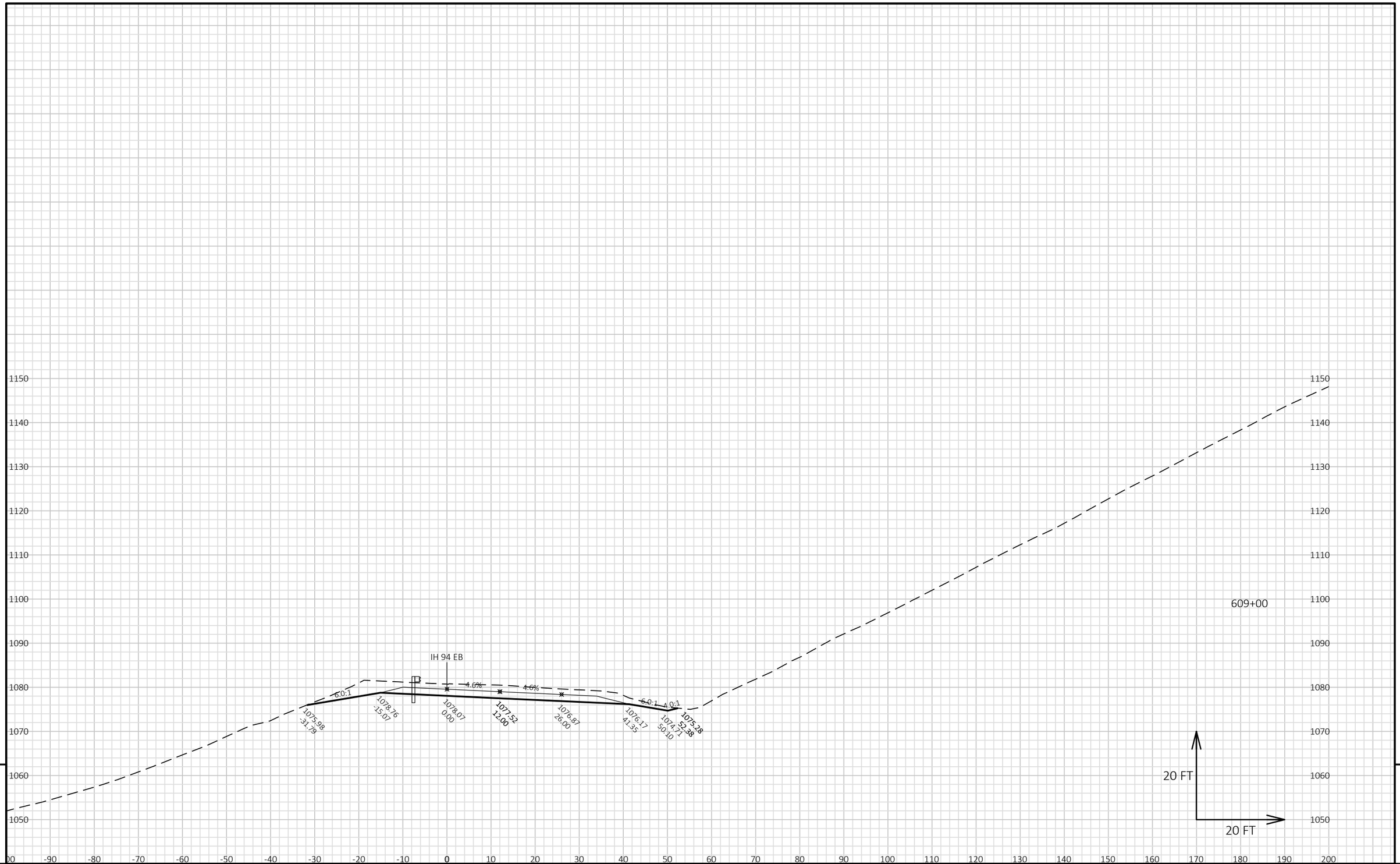
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1780	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090128_XS EB

PLOT DATE : 8/15/2018 10:59 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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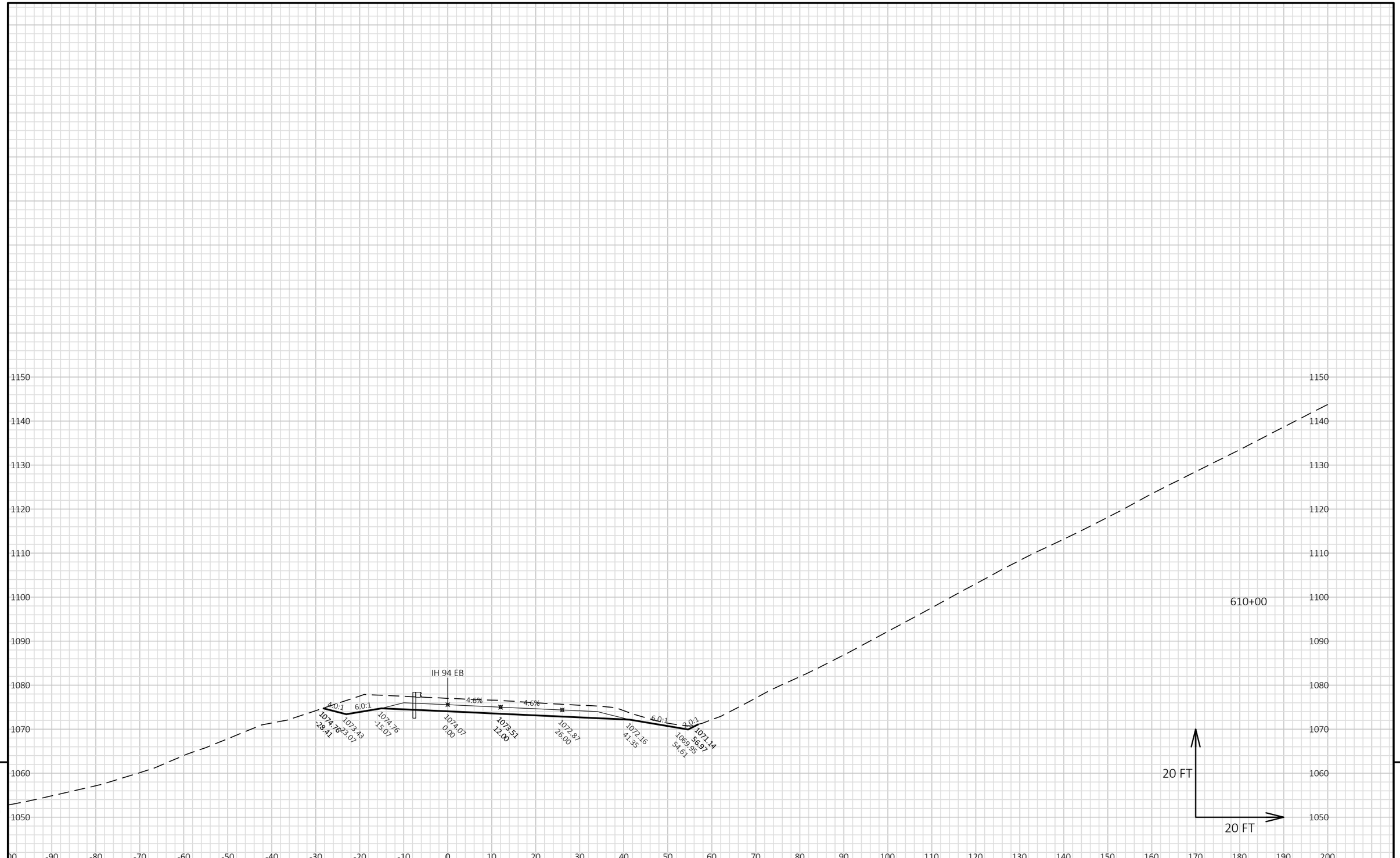
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1781 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090129_XS EB

PLOT DATE : 8/15/2018 10:59 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



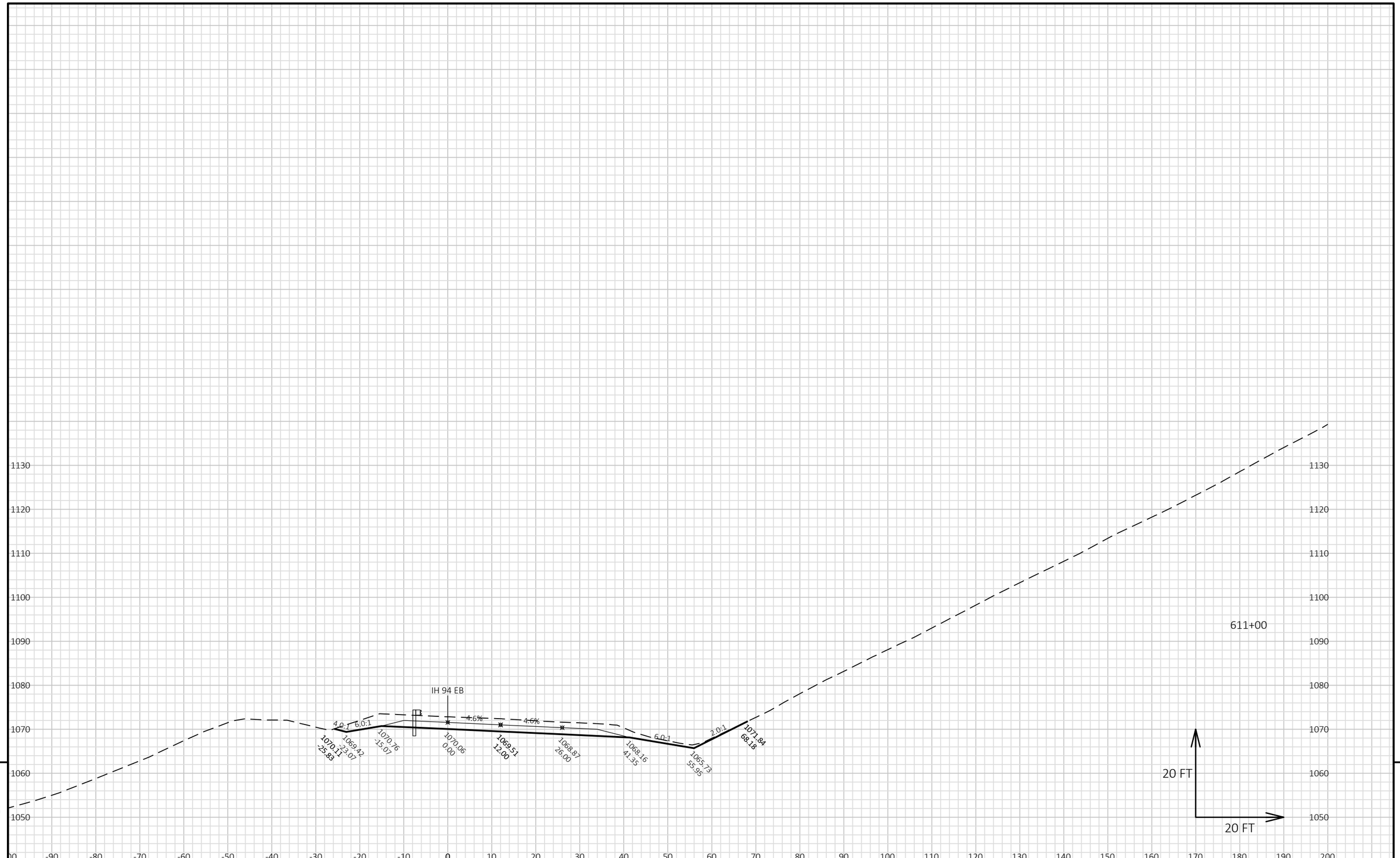
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1782	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090130_XS EB

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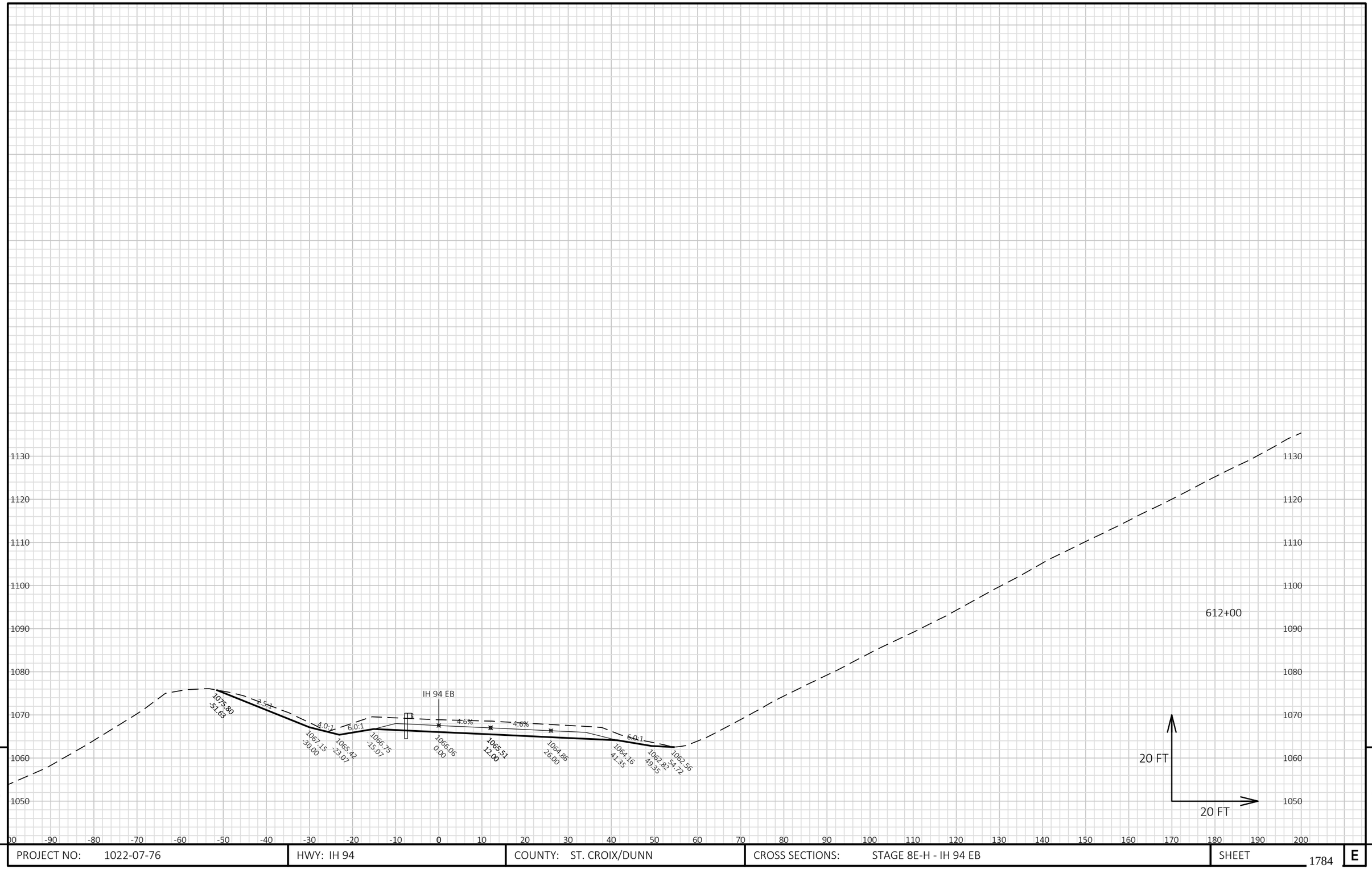
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1783	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090131_XS EB

PLOT DATE : 8/15/2018 11:00 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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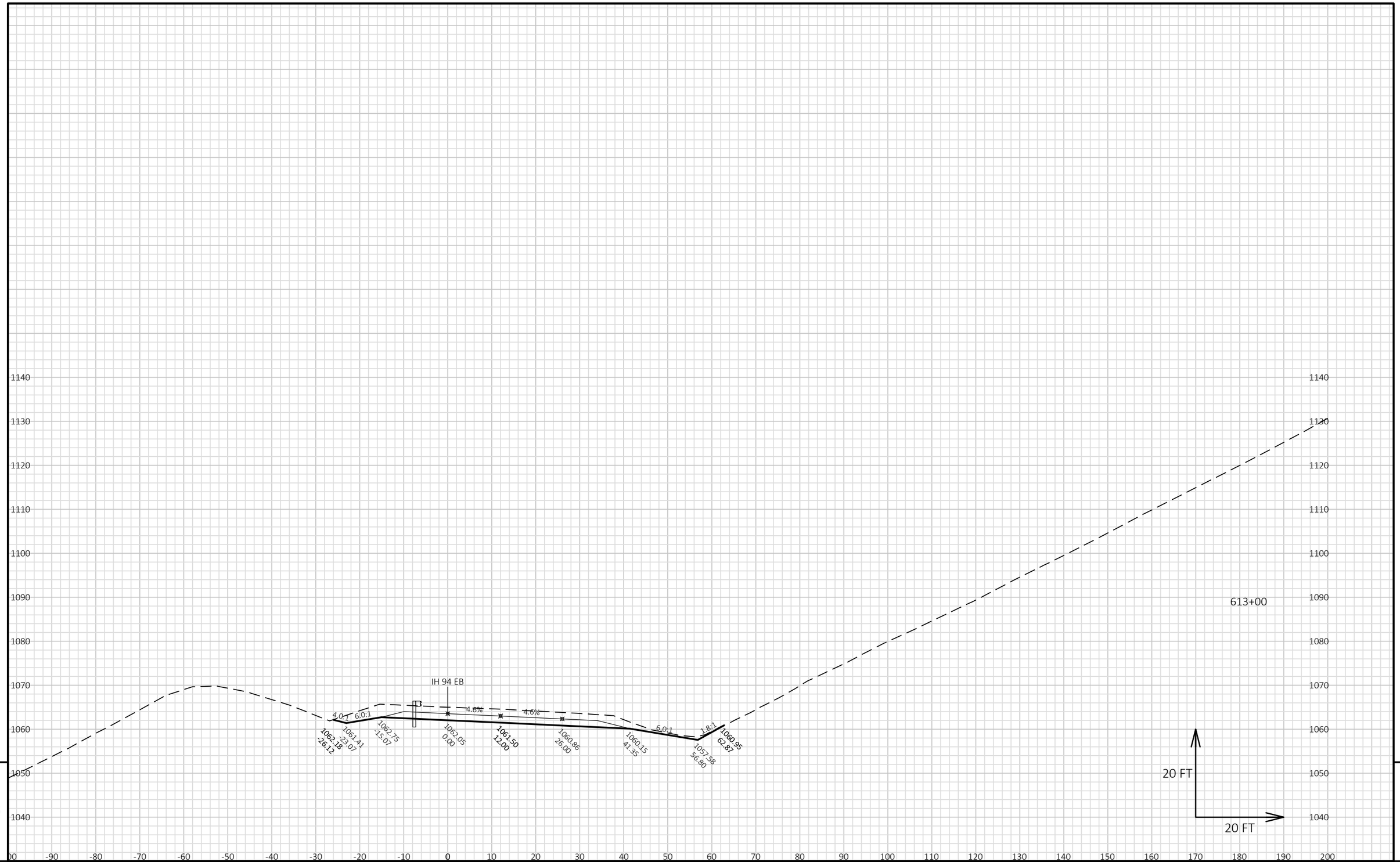
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1784 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090132_XS EB

PLOT DATE : 8/15/2018 11:00 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



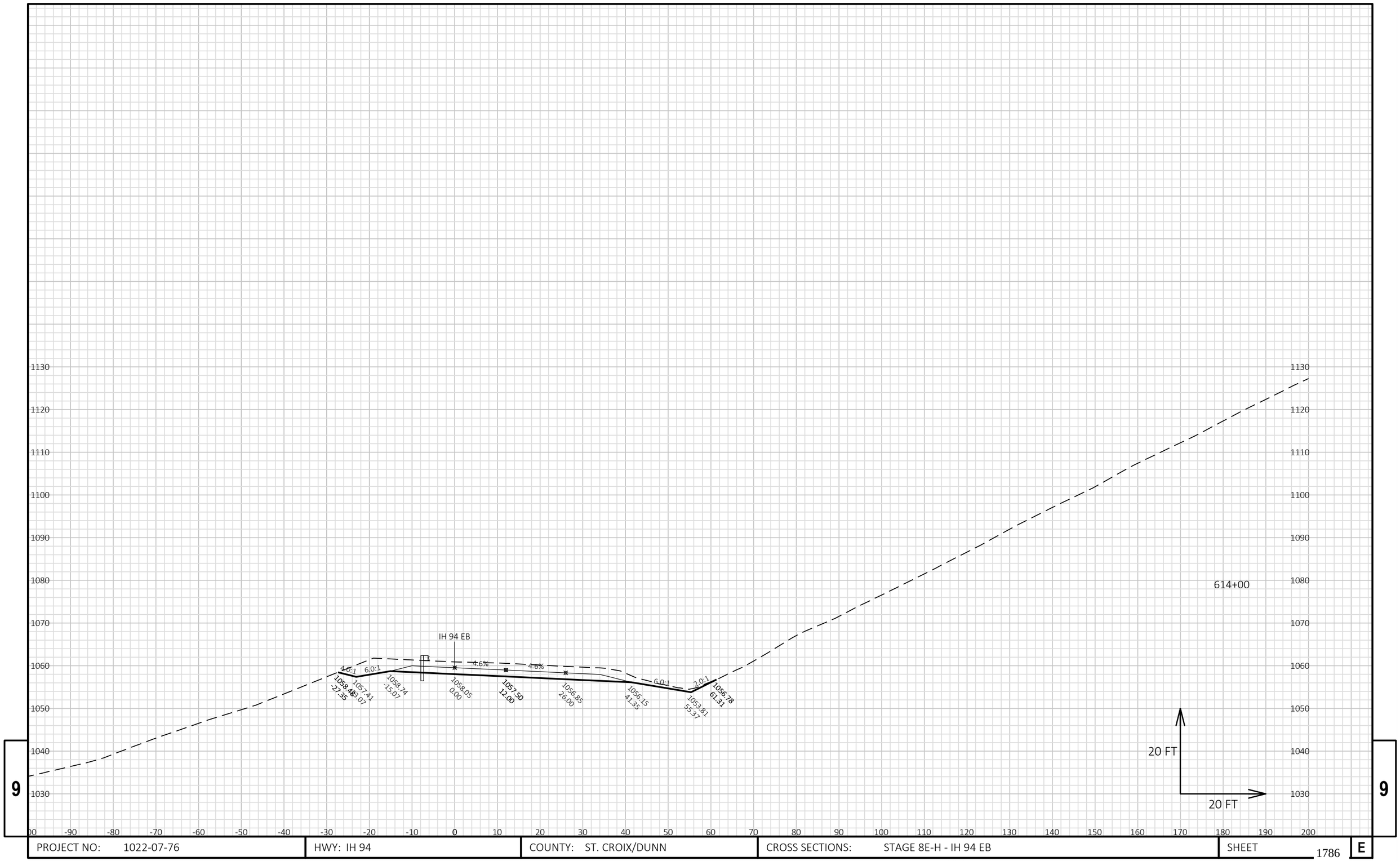
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1785	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090133_XS EB

PLOT DATE : 8/15/2018 11:00 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



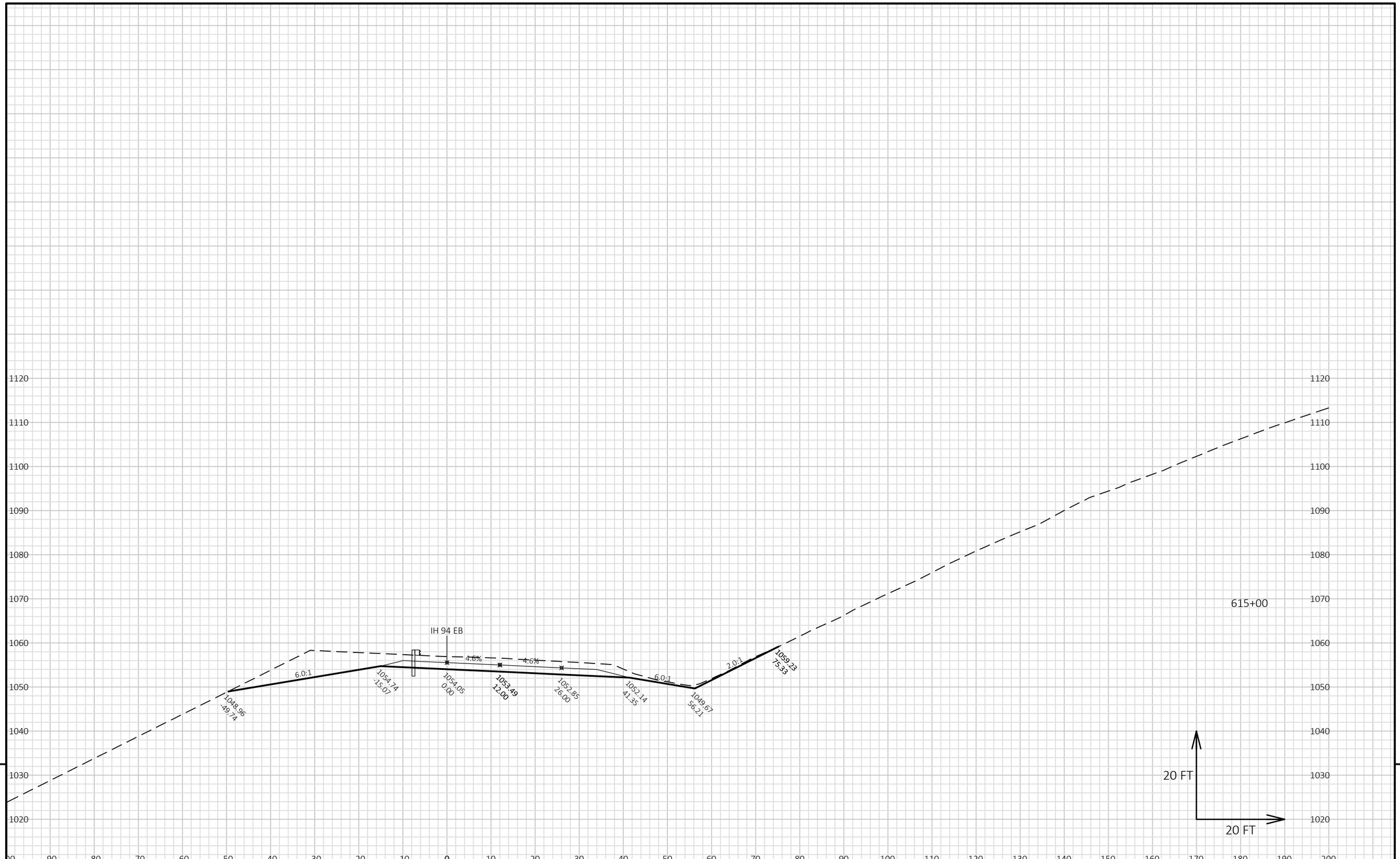
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1786	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090134_XS EB

PLOT DATE : 8/15/2018 11:00 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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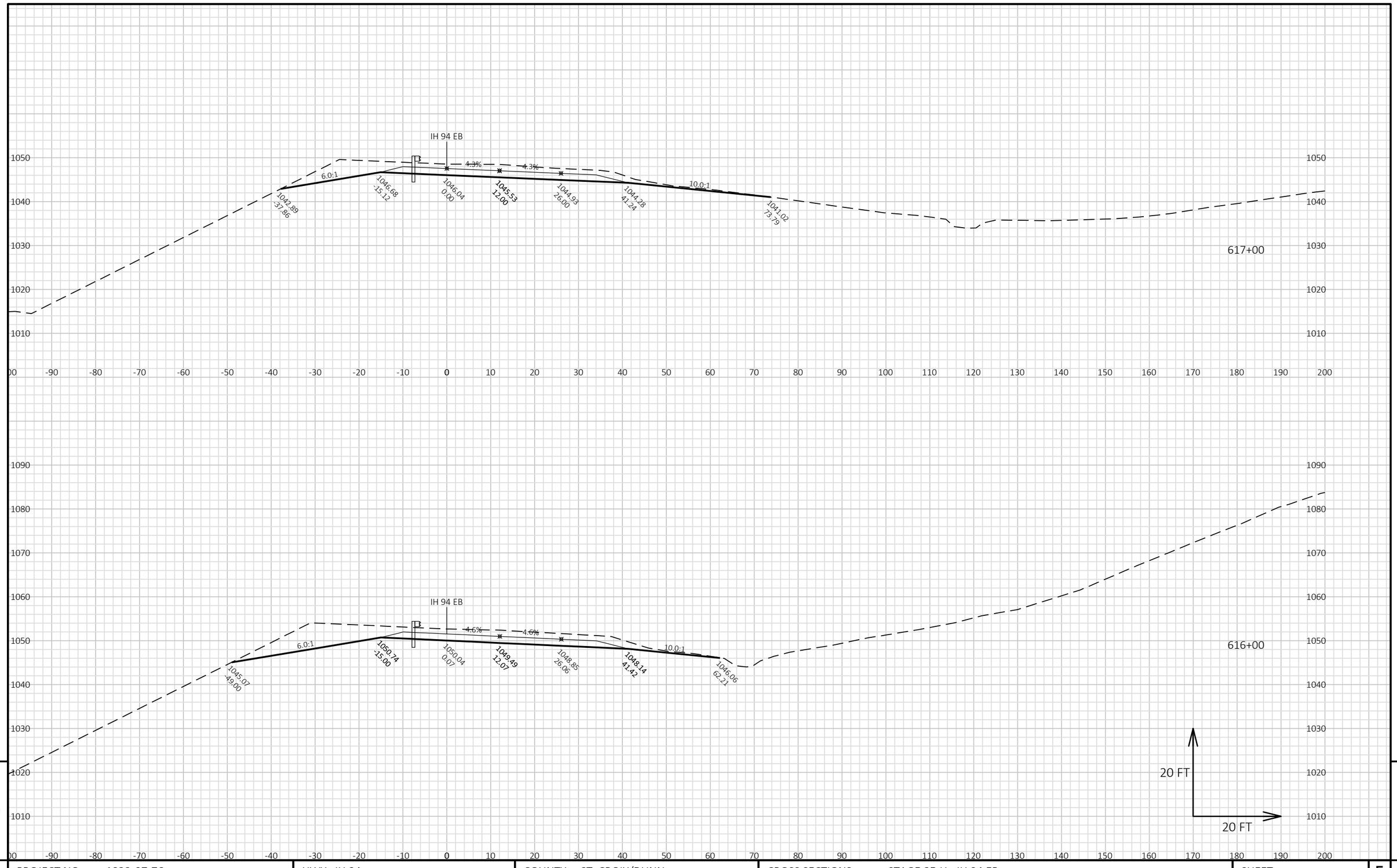
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1787	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090135_XS EB

PLOT DATE : 8/15/2018 11:00 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



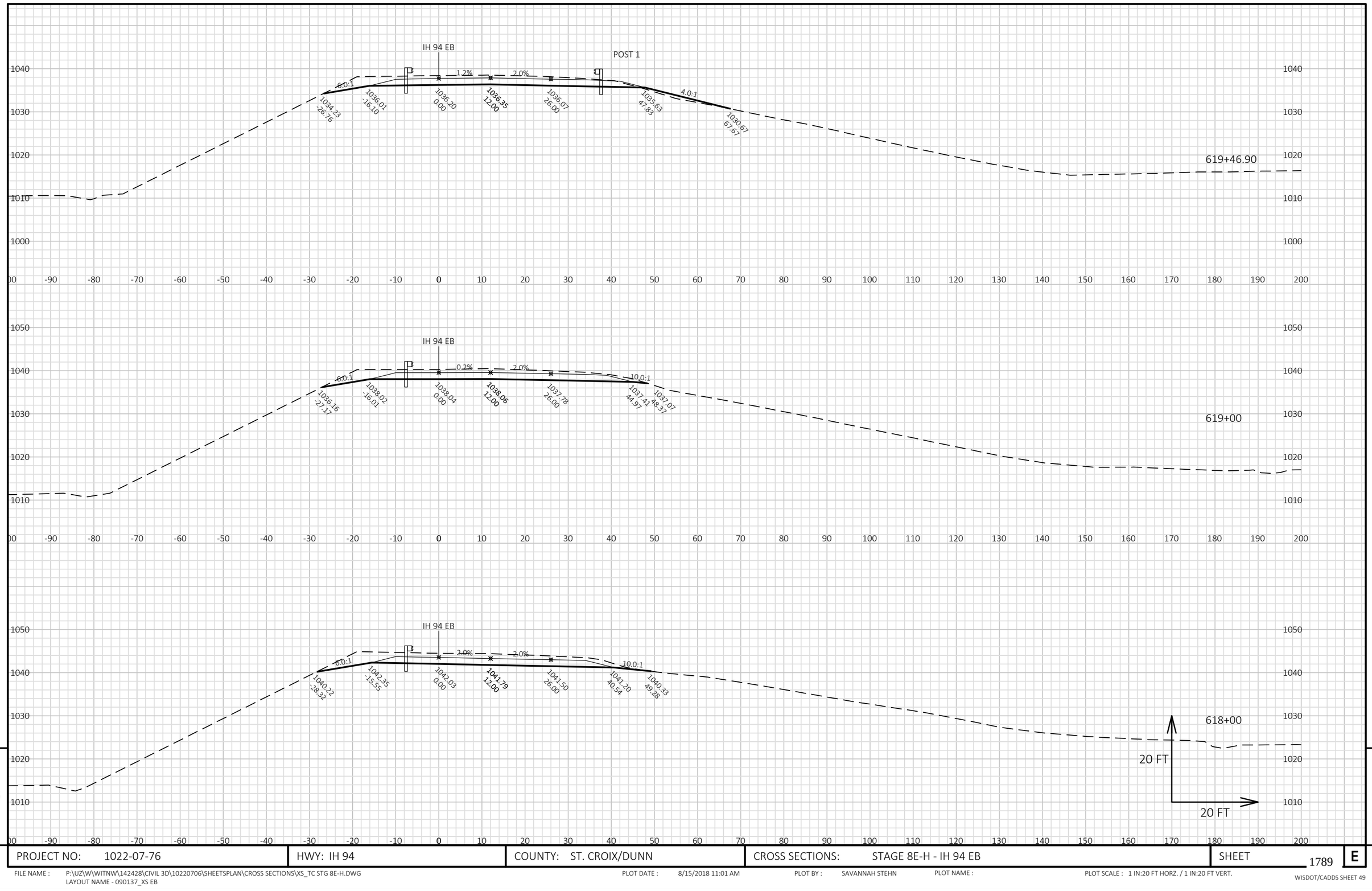
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1788	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090136_XS EB

PLOT DATE : 8/15/2018 11:00 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



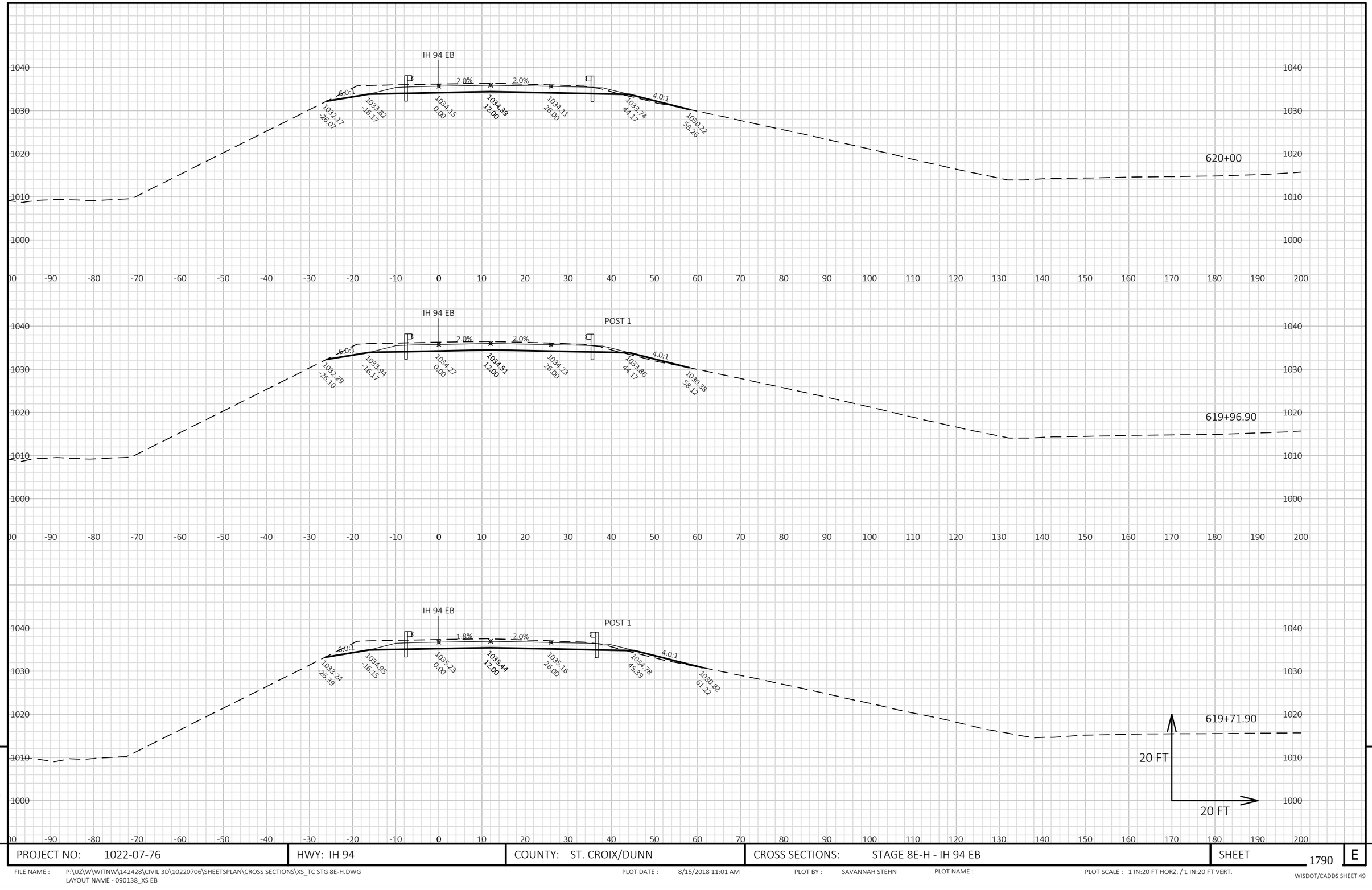
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1789	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090137_XS EB

PLOT DATE : 8/15/2018 11:01 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



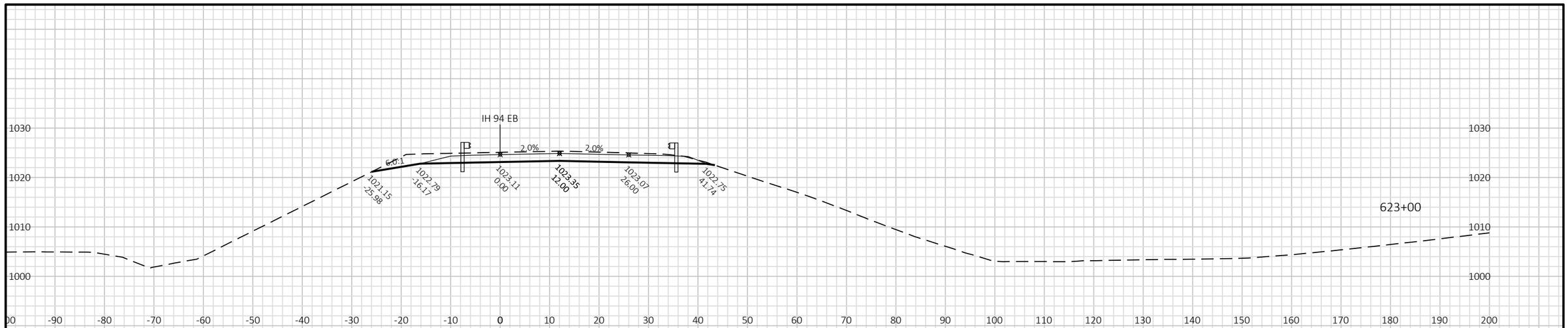
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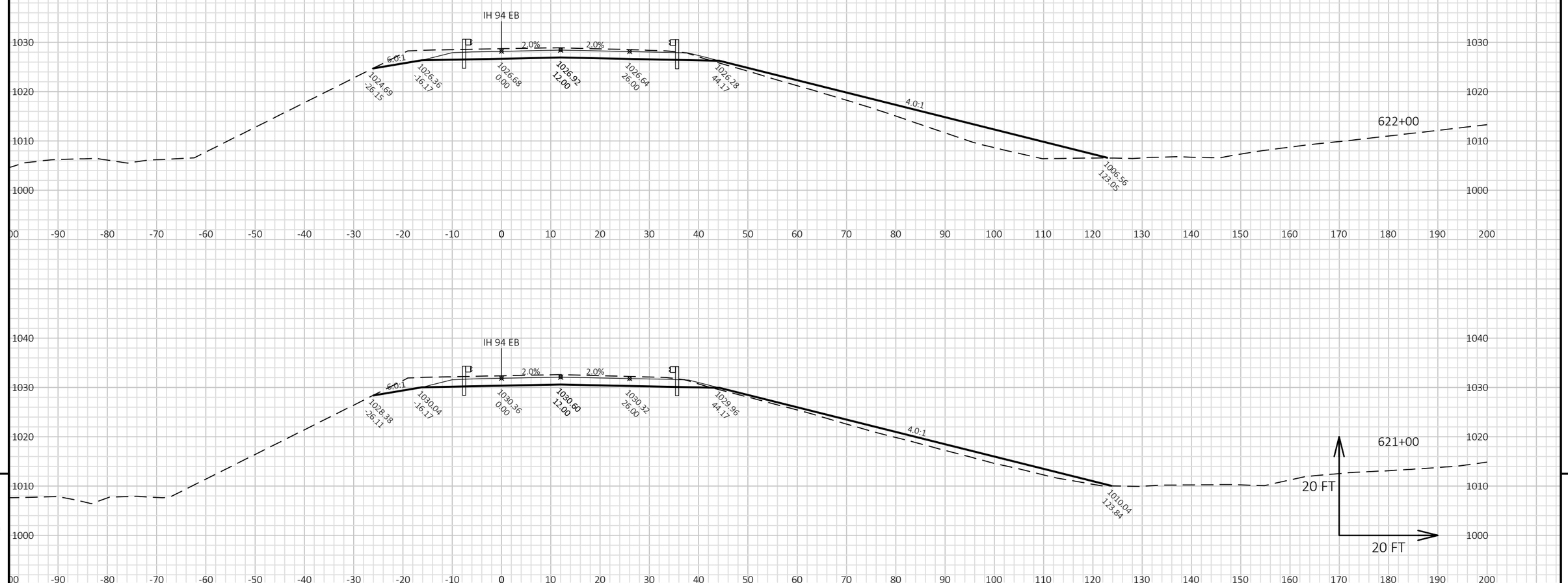
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1790	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090138_XS EB

PLOT DATE : 8/15/2018 11:01 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





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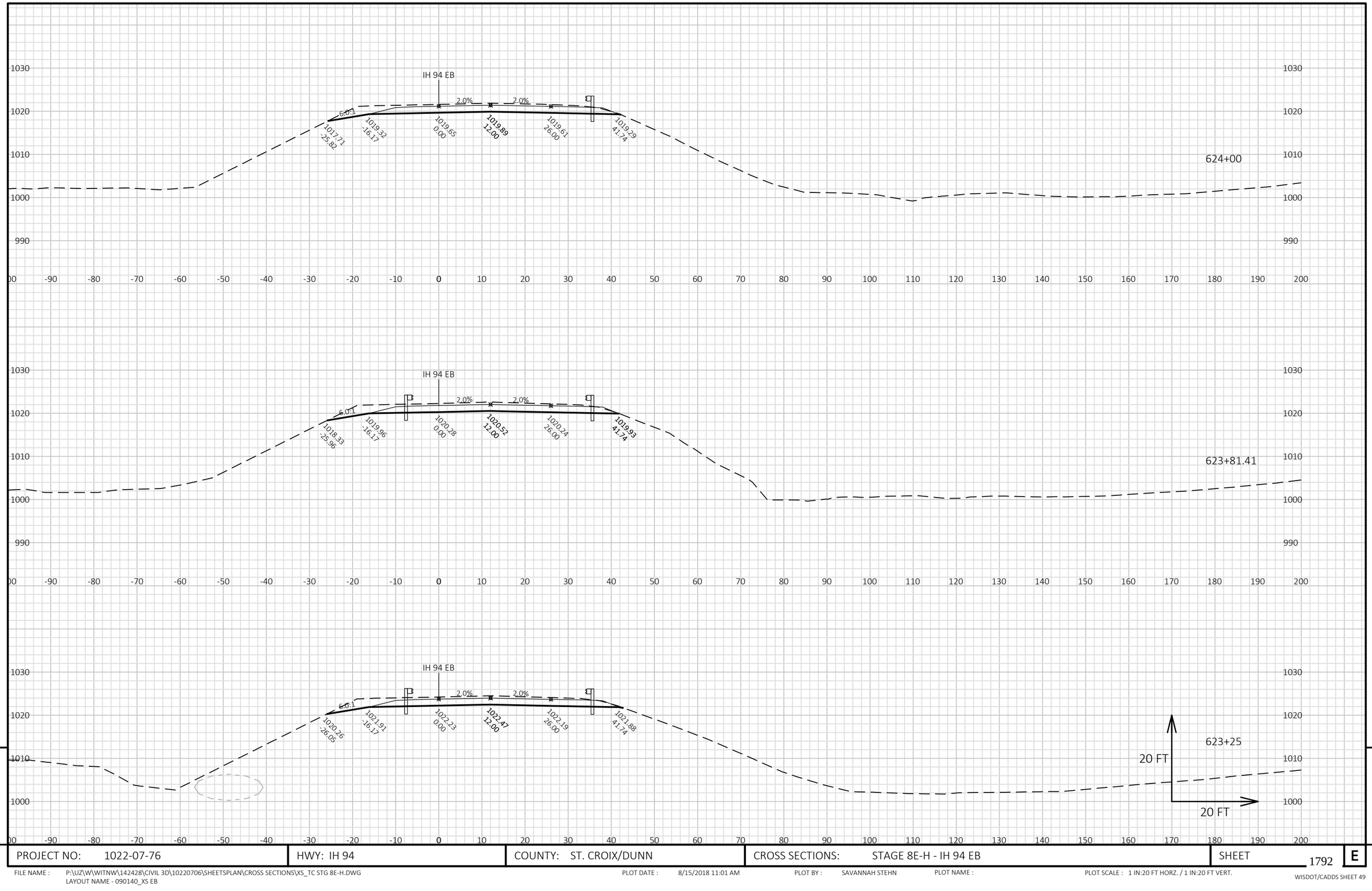
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1791	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090139_XS EB

PLOT DATE : 8/15/2018 11:01 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1792 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090140_XS EB

PLOT DATE : 8/15/2018 11:01 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

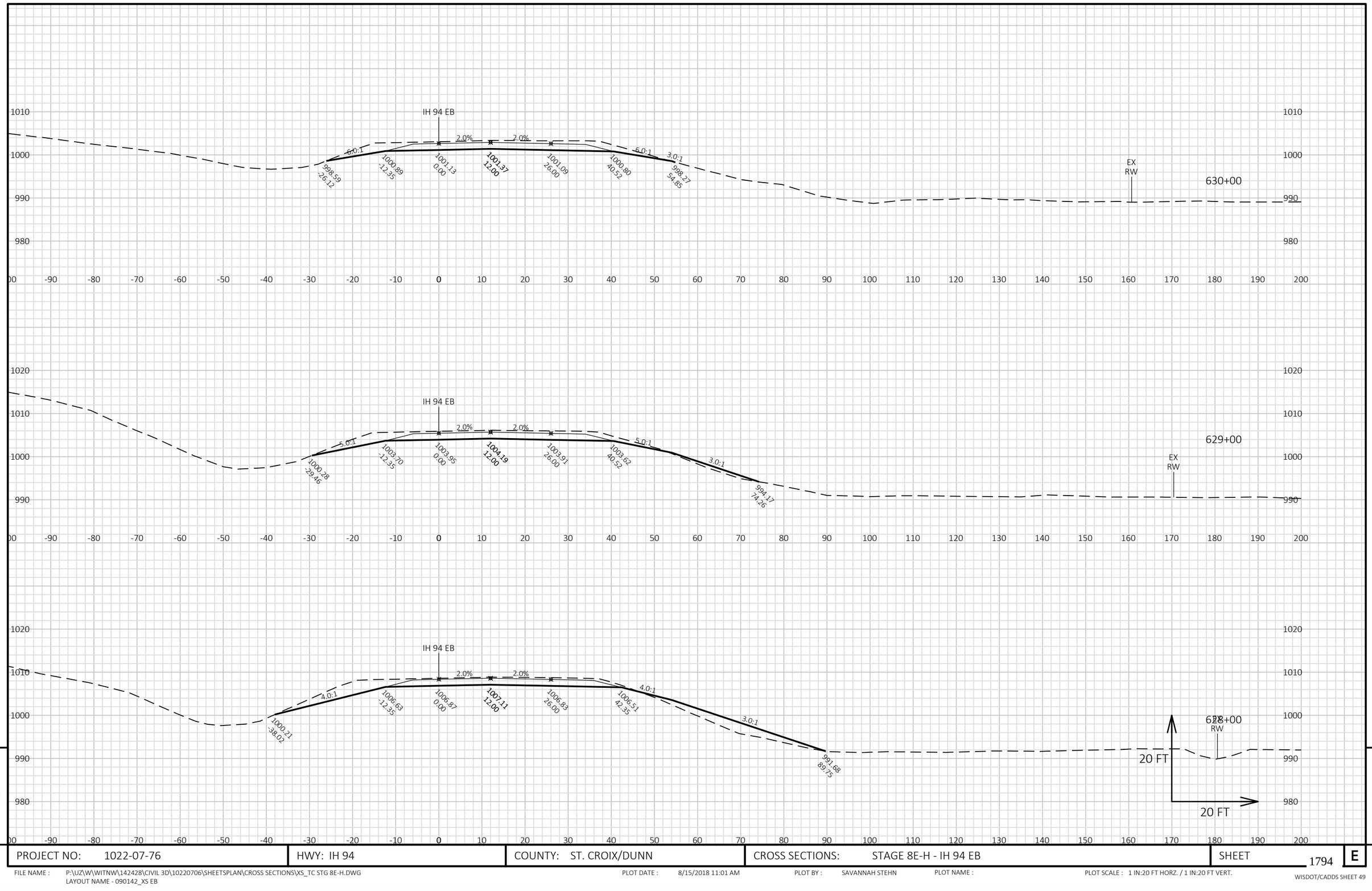
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1793	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090141_XS EB

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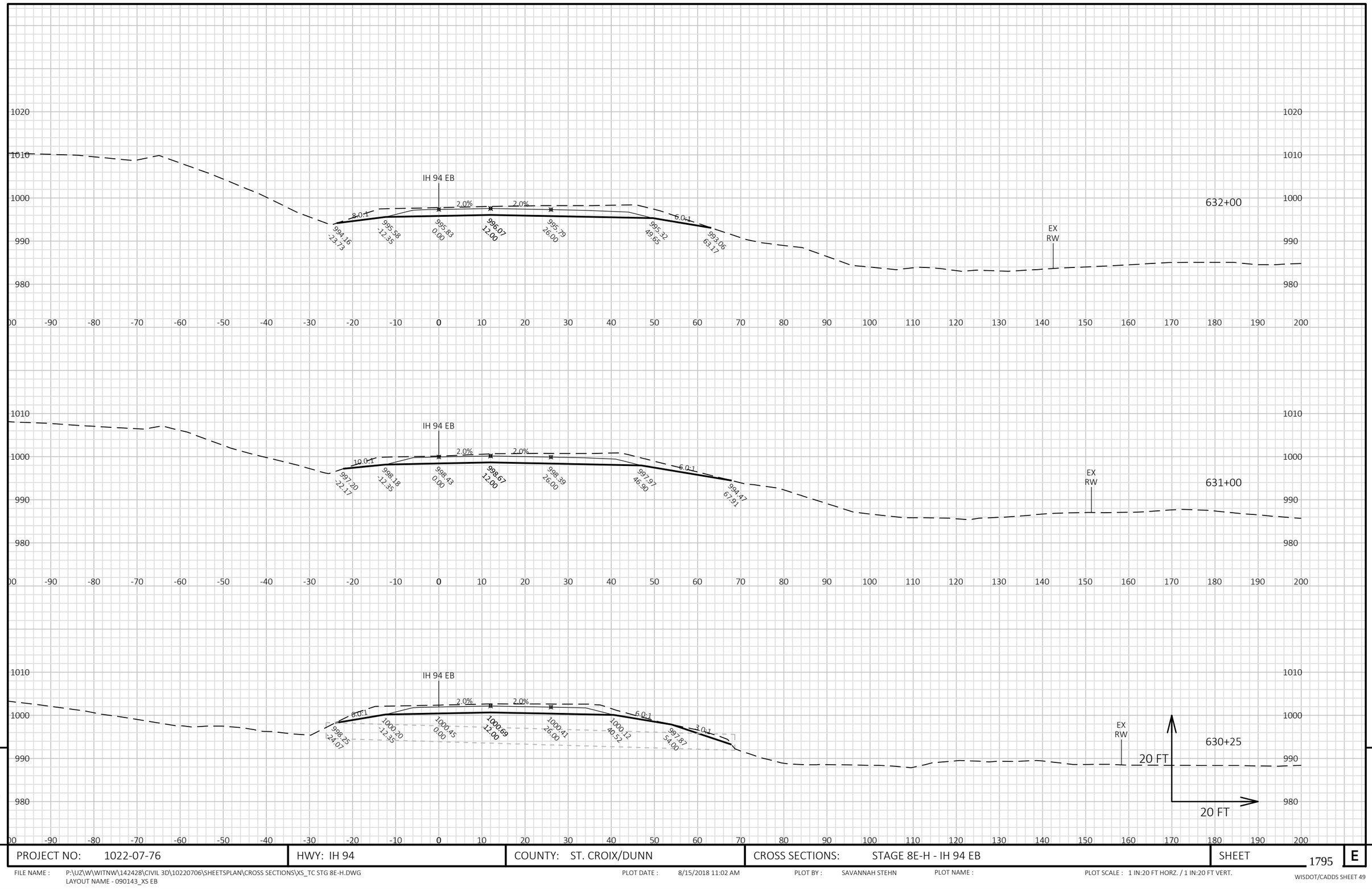
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1794	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090142_XS EB

PLOT DATE : 8/15/2018 11:01 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



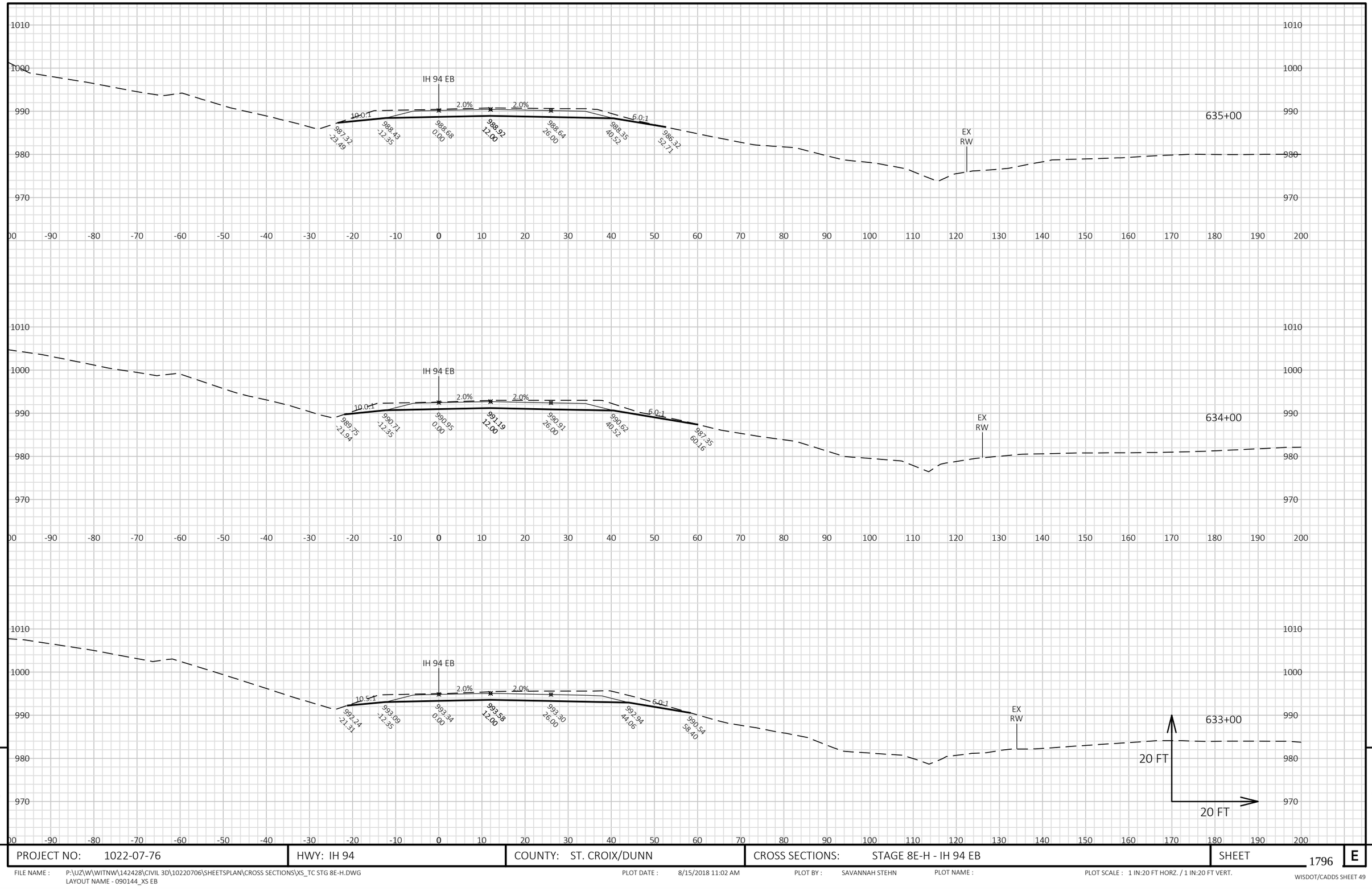
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1795	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090143_XS EB

PLOT DATE : 8/15/2018 11:02 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



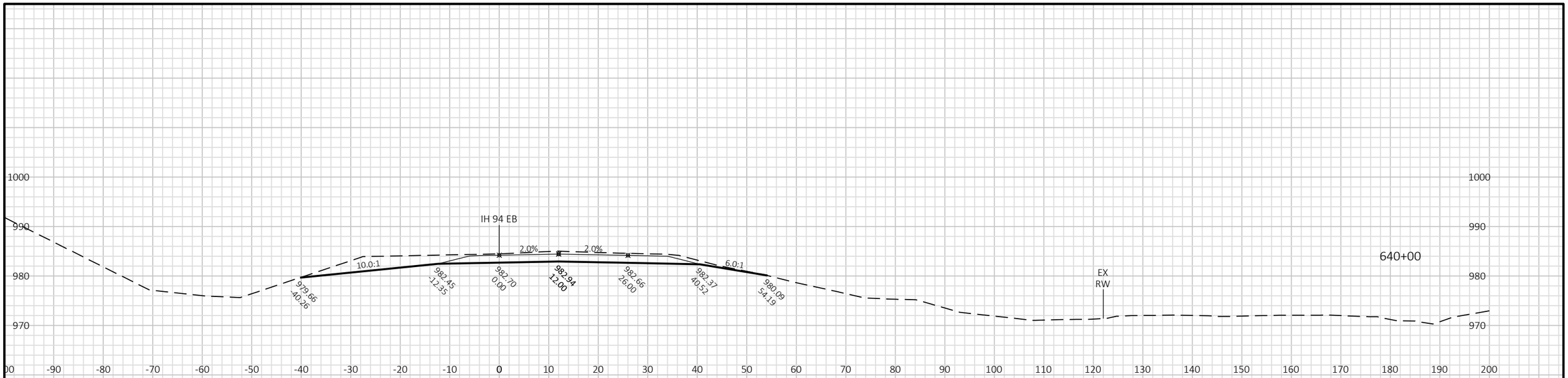
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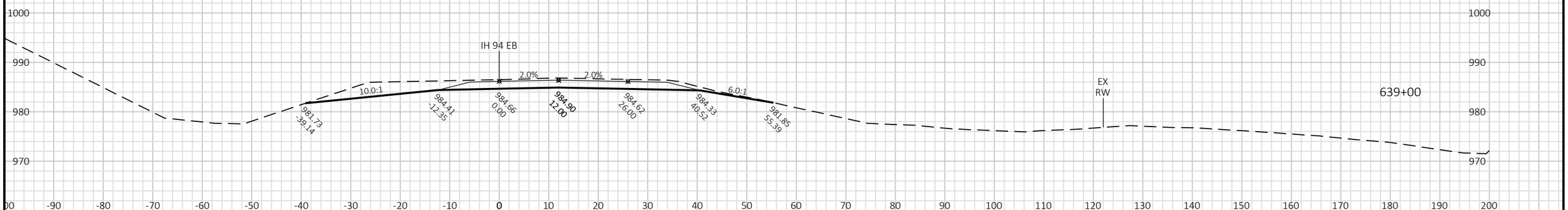
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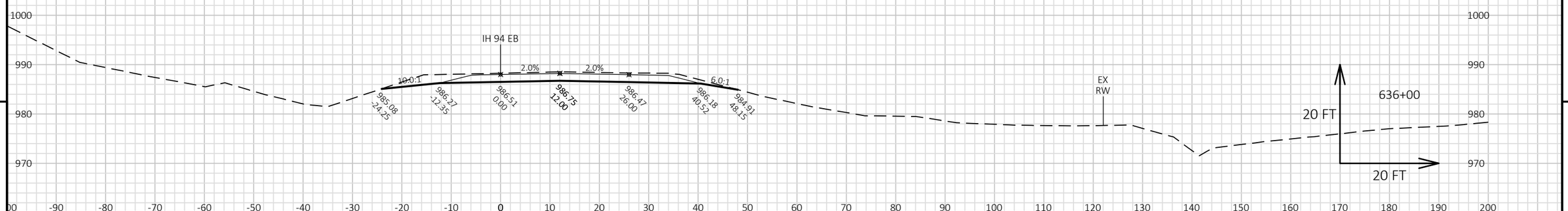
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FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090144_XS EB

PLOT DATE : 8/15/2018 11:02 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.







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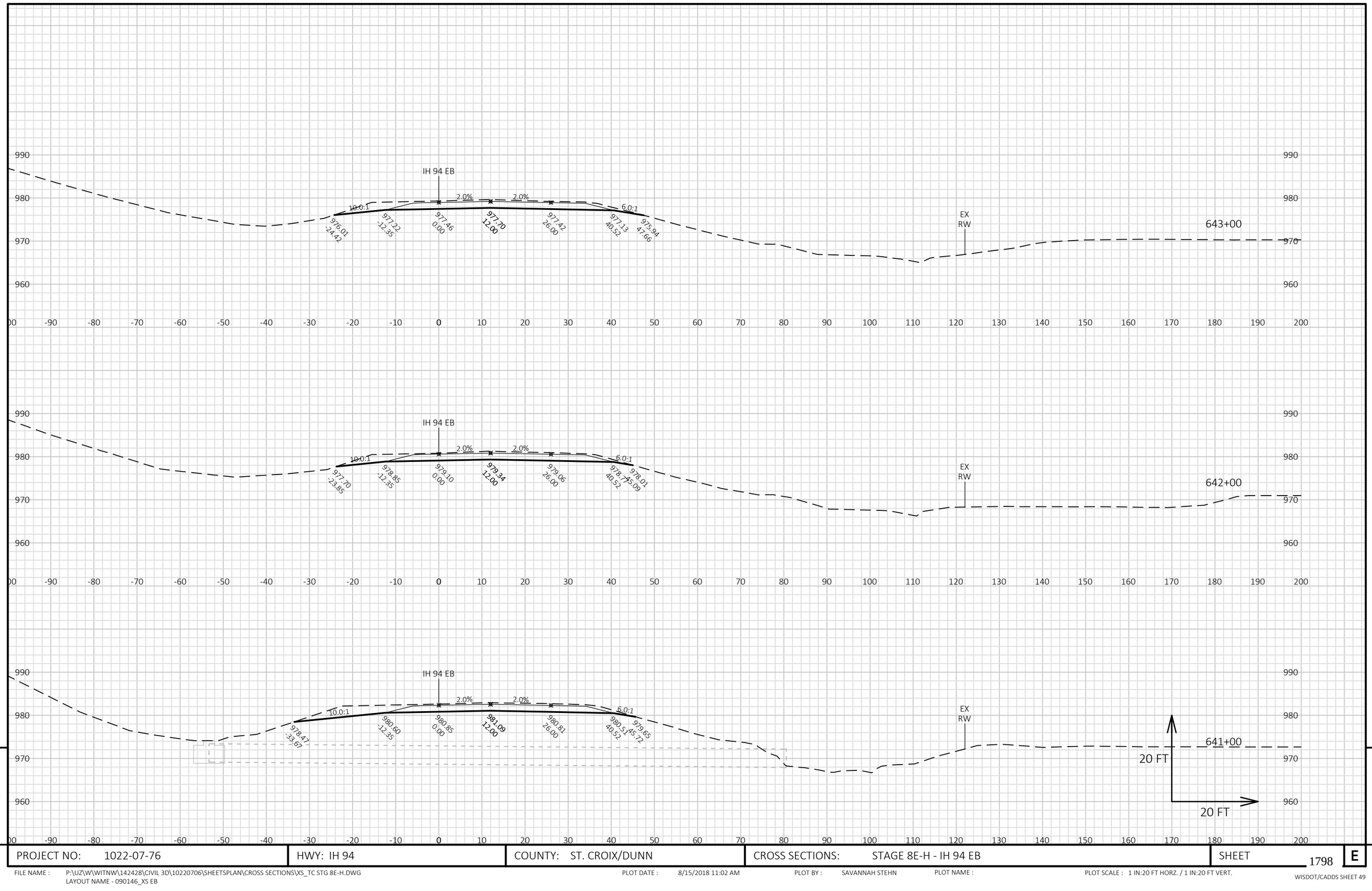
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1797	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090145_XS EB

PLOT DATE : 8/15/2018 11:02 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



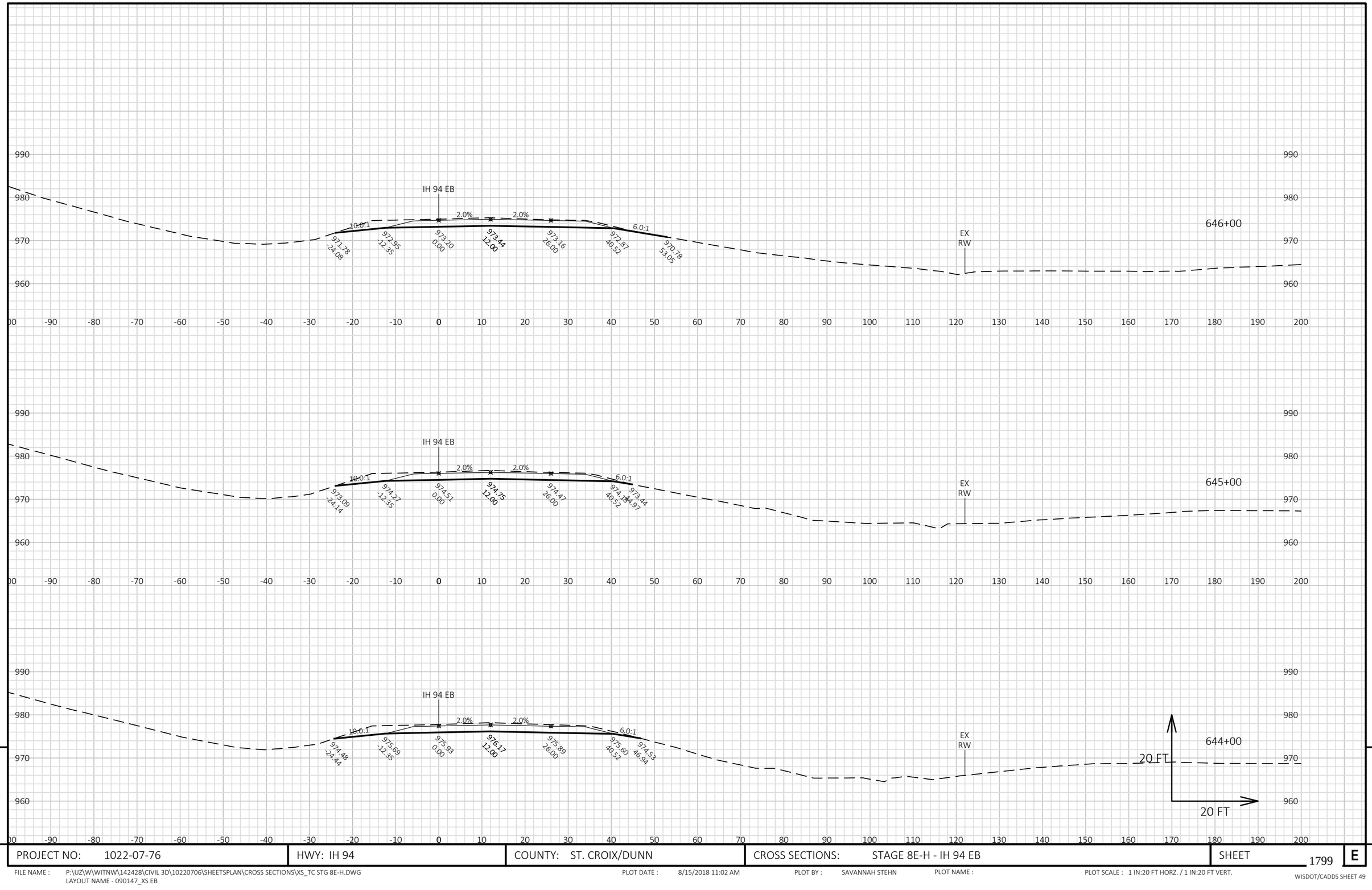
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FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090146_XS EB

PLOT DATE : 8/15/2018 11:02 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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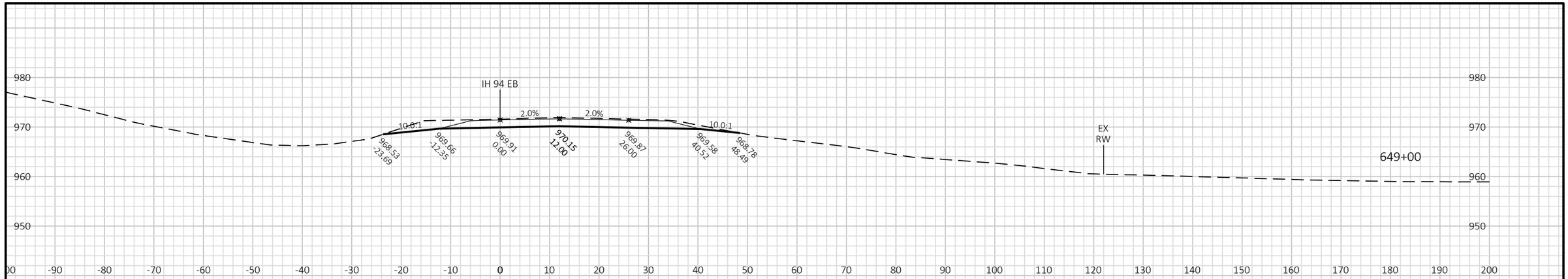


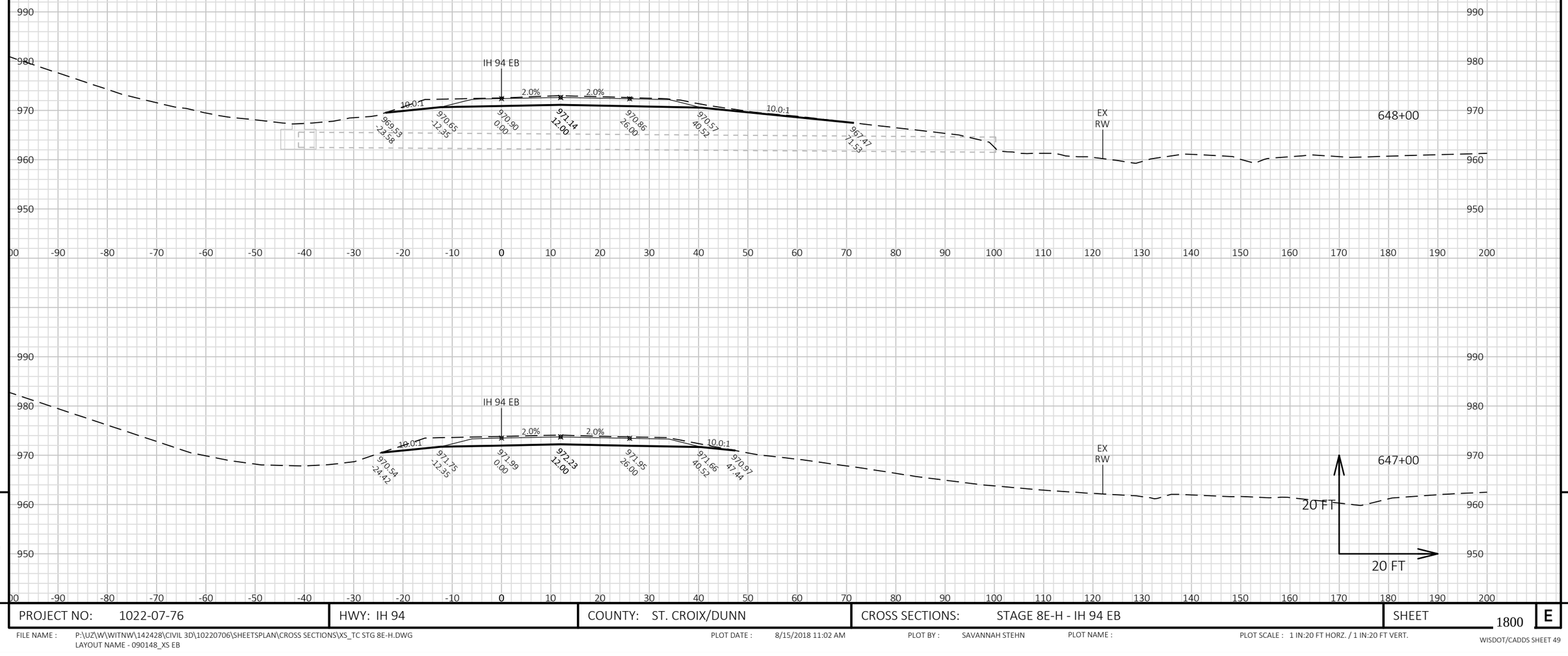
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FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090147_XS EB

PLOT DATE : 8/15/2018 11:02 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





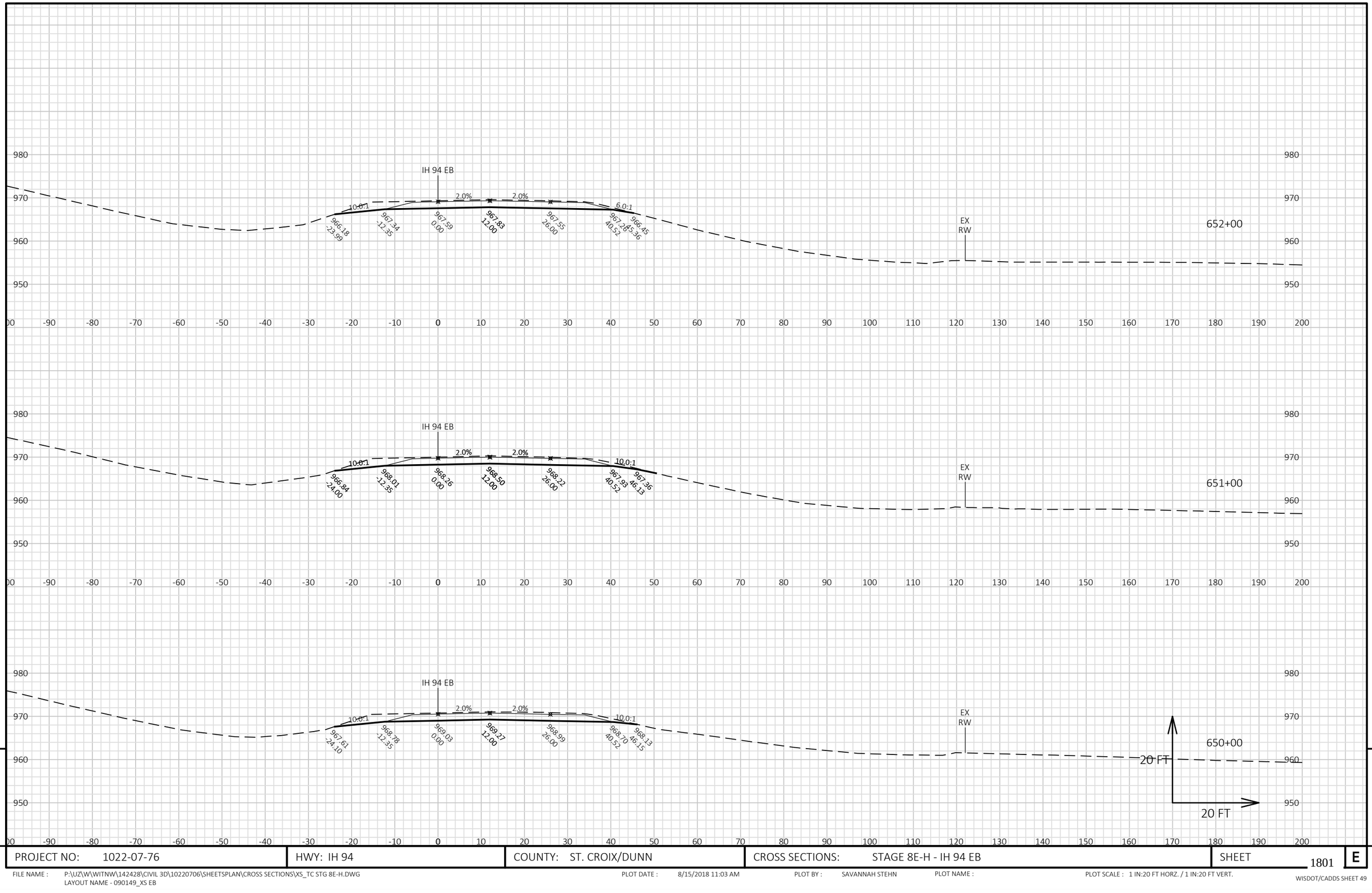
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1800	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090148_XS EB

PLOT DATE : 8/15/2018 11:02 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



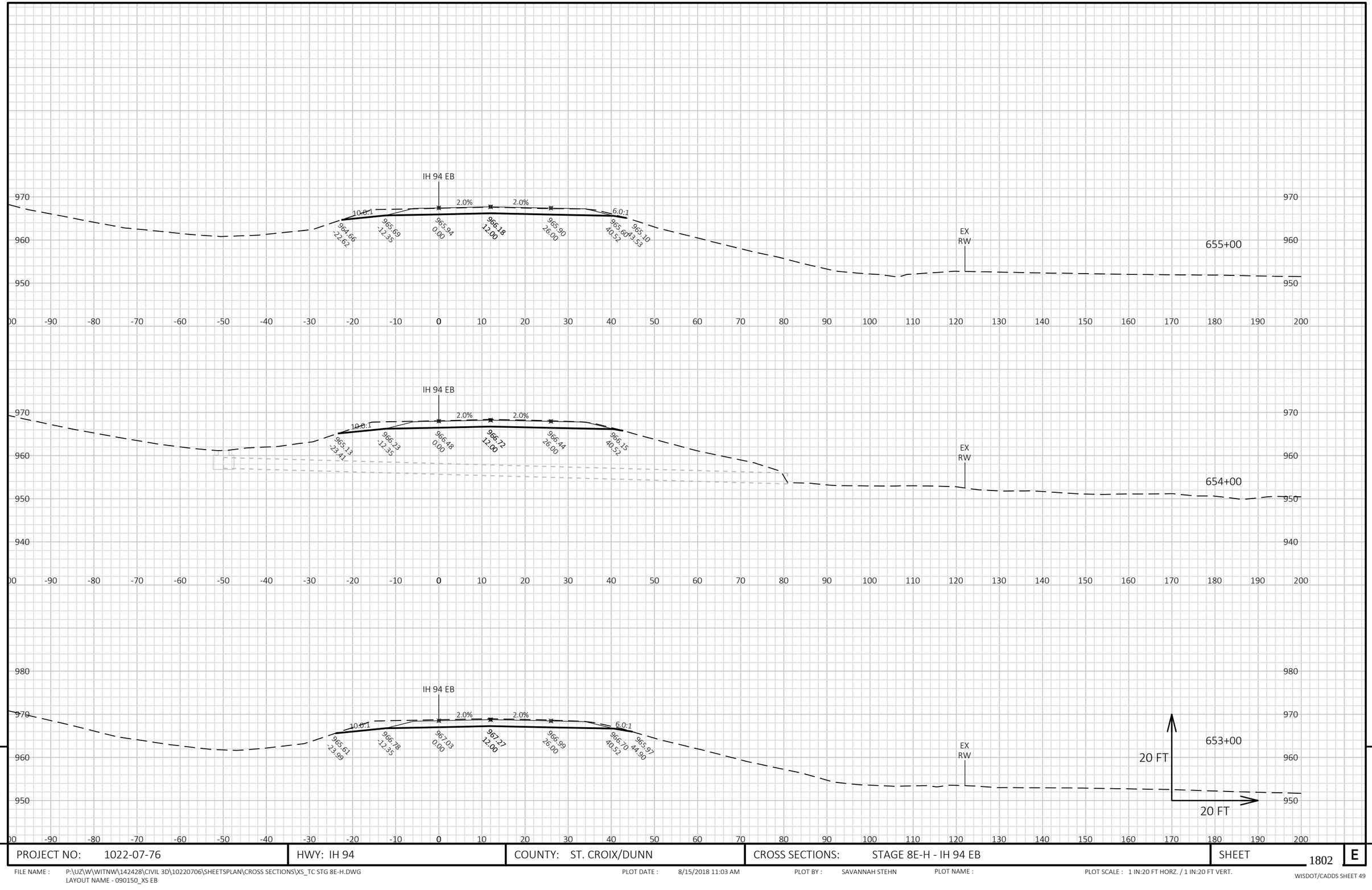
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1801	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090149_XS EB

PLOT DATE : 8/15/2018 11:03 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



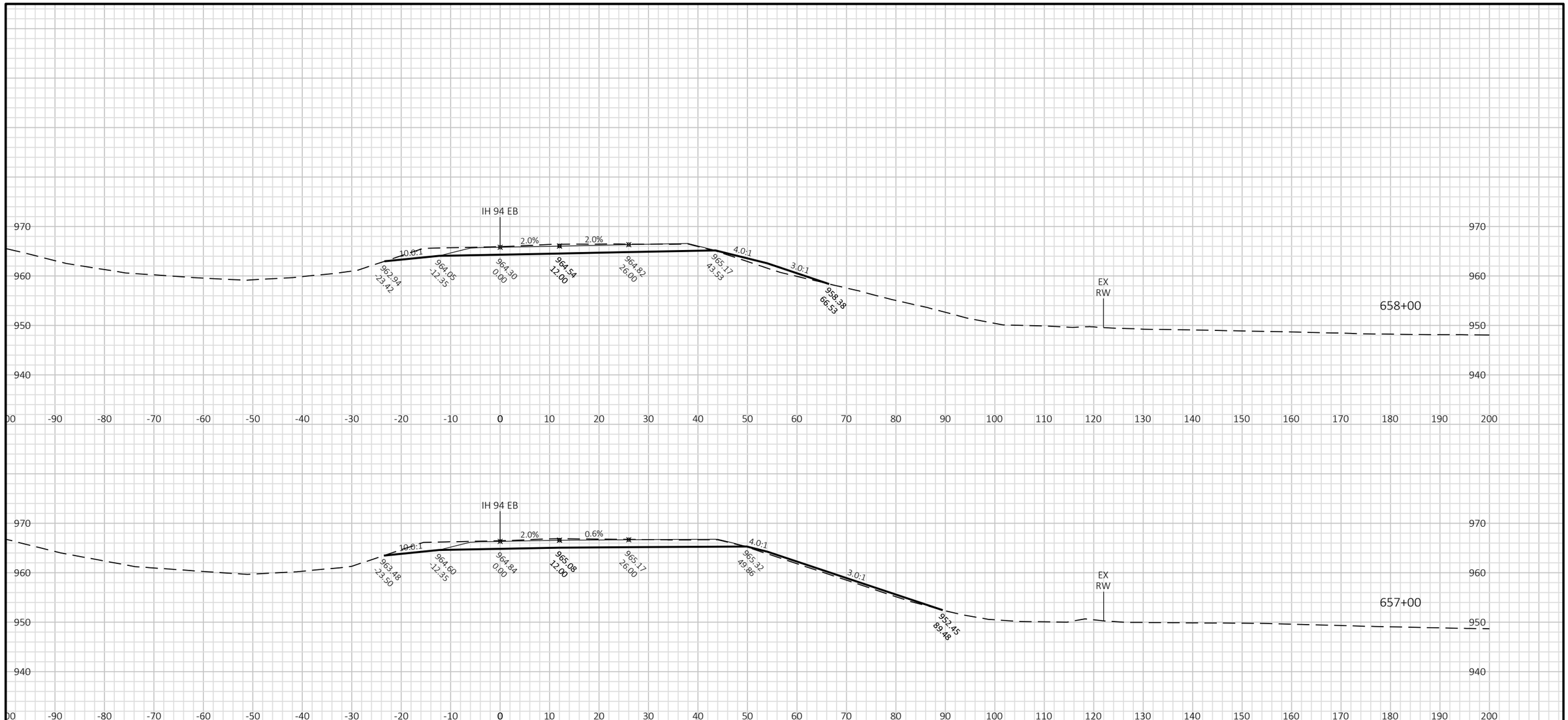
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1802	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090150_XS EB

PLOT DATE : 8/15/2018 11:03 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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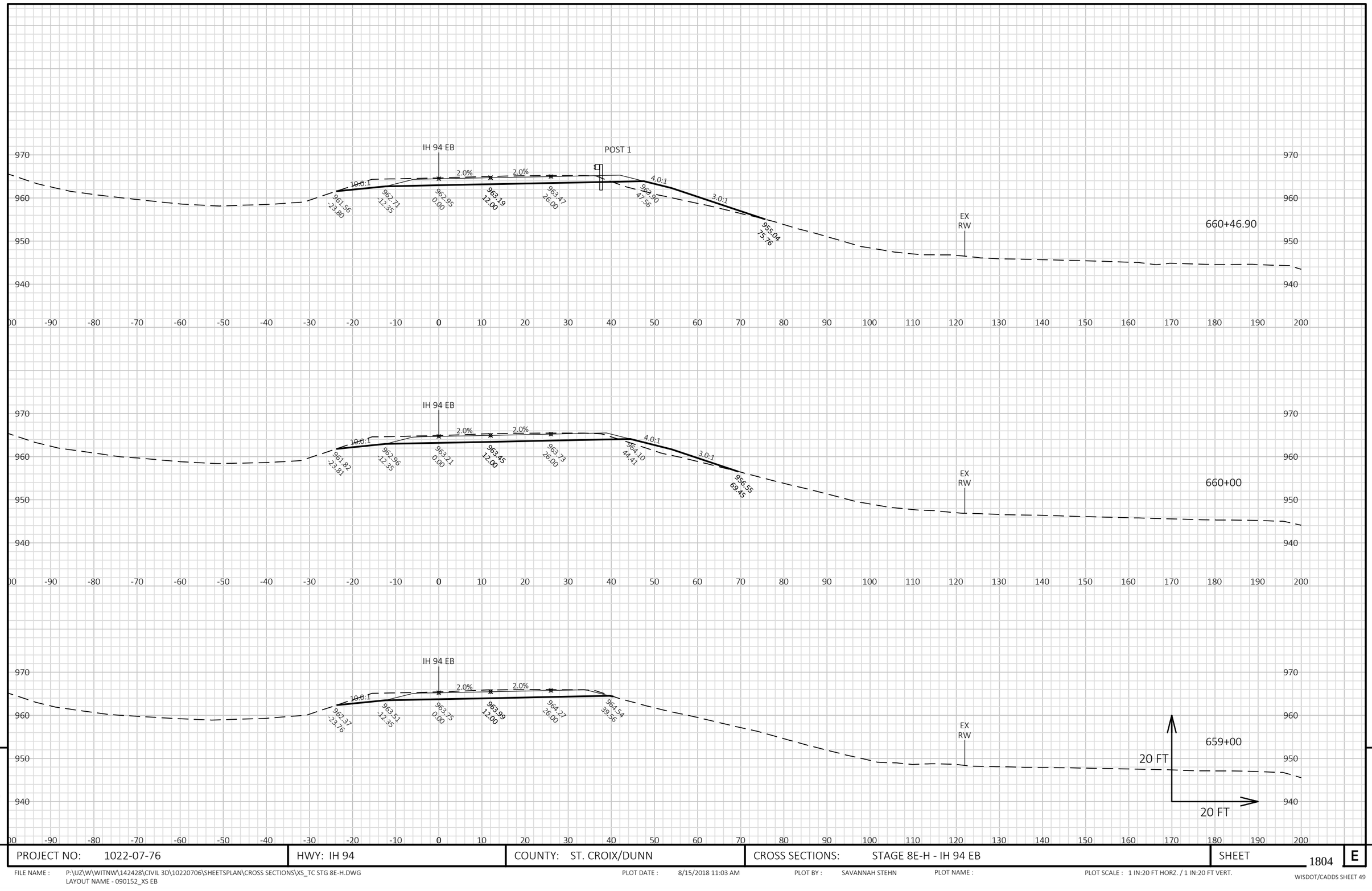
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1803	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090151_XS EB

PLOT DATE : 8/15/2018 11:03 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



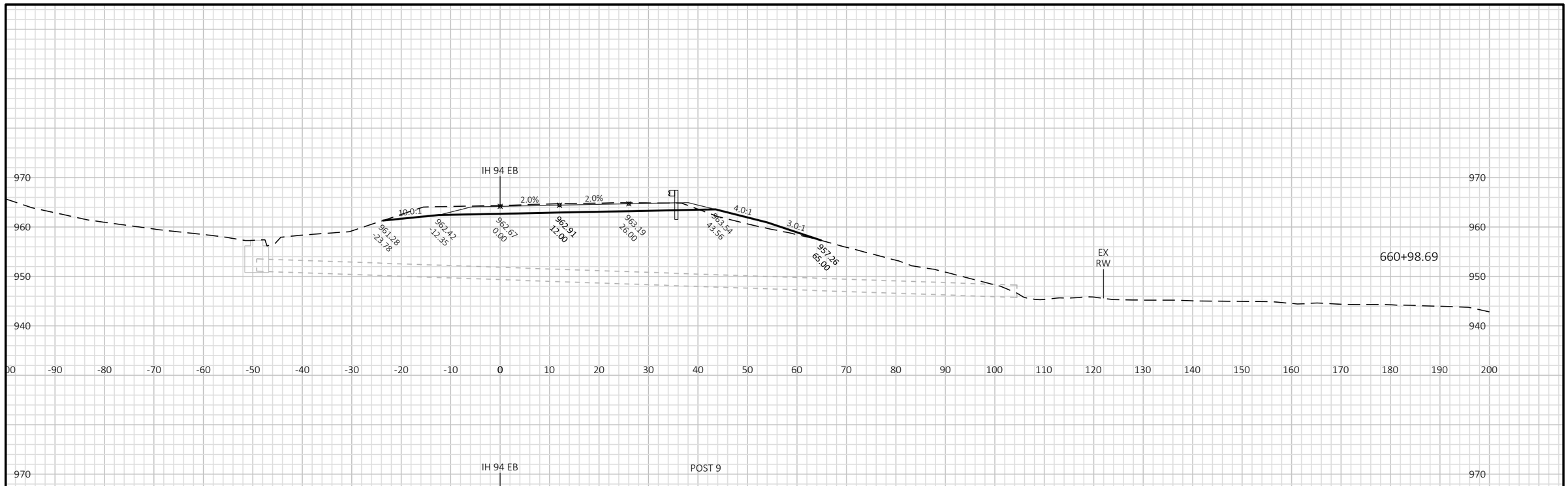
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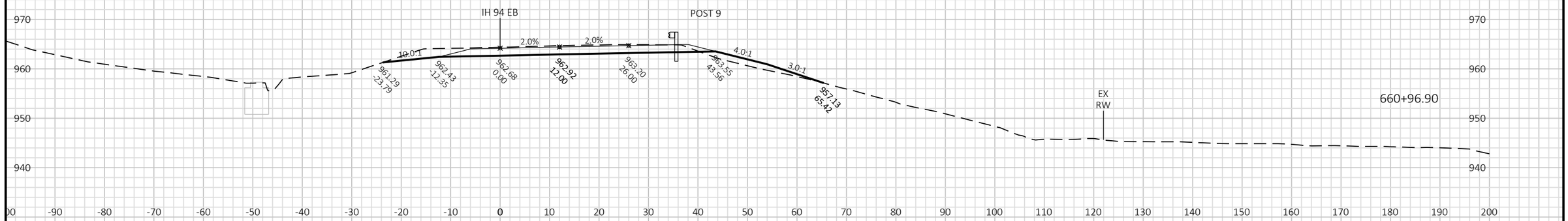
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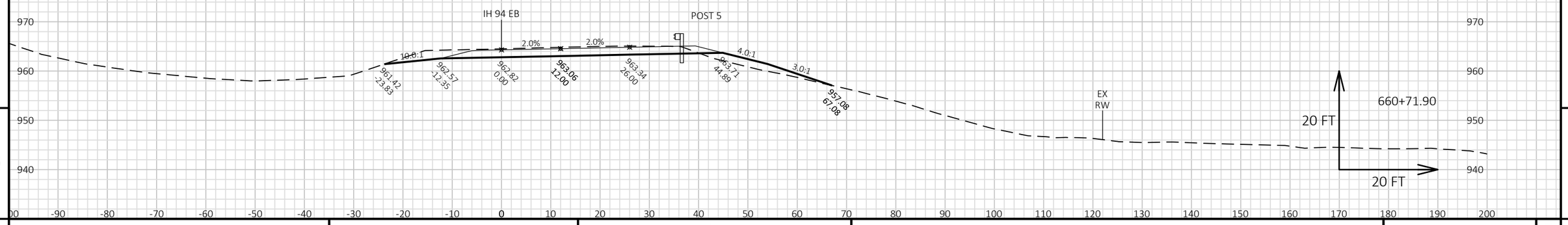
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1804	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090152_XS EB

PLOT DATE : 8/15/2018 11:03 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.







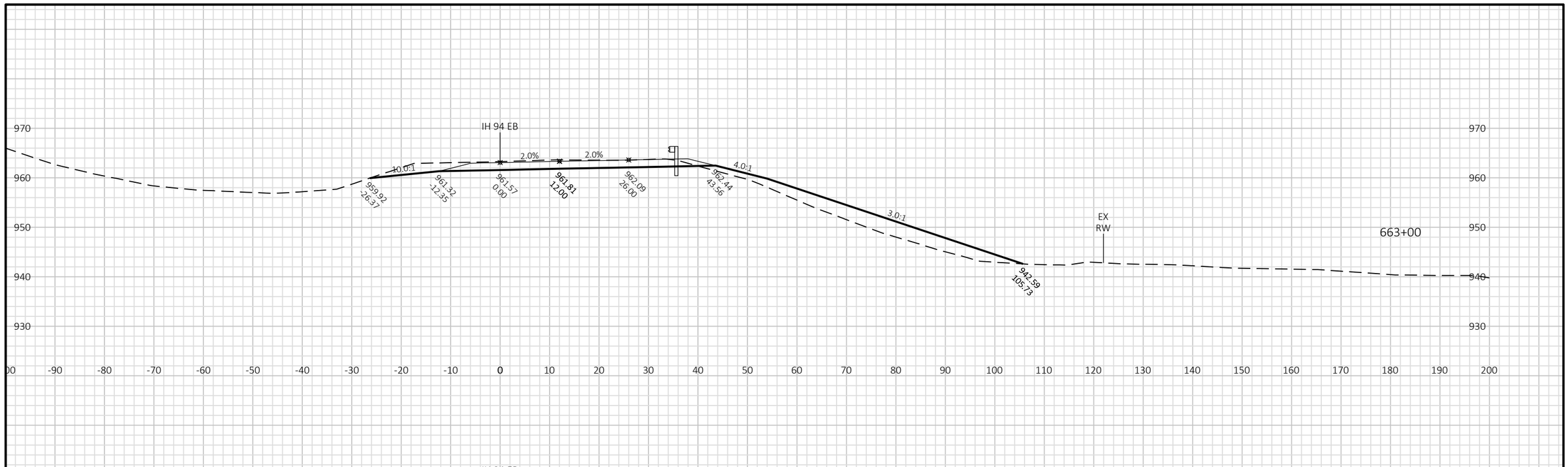
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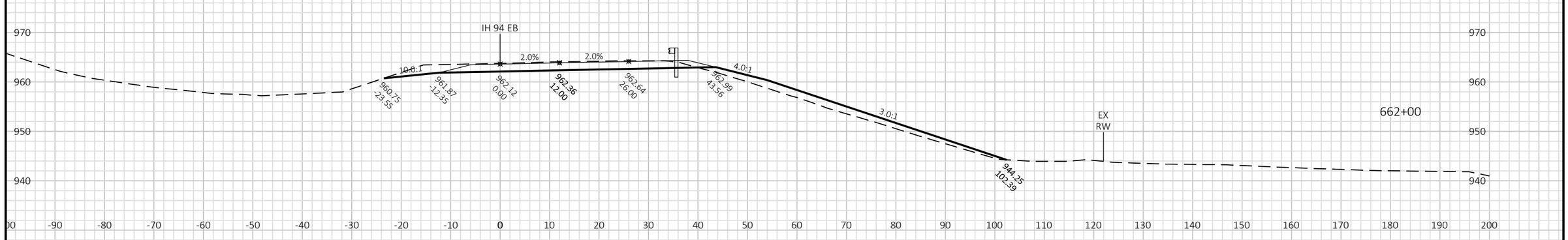
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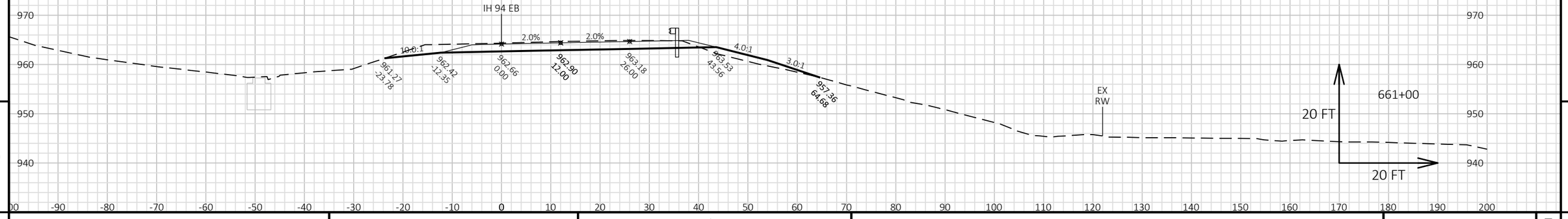
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1805	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090153_XS EB

PLOT DATE : 8/15/2018 11:03 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.







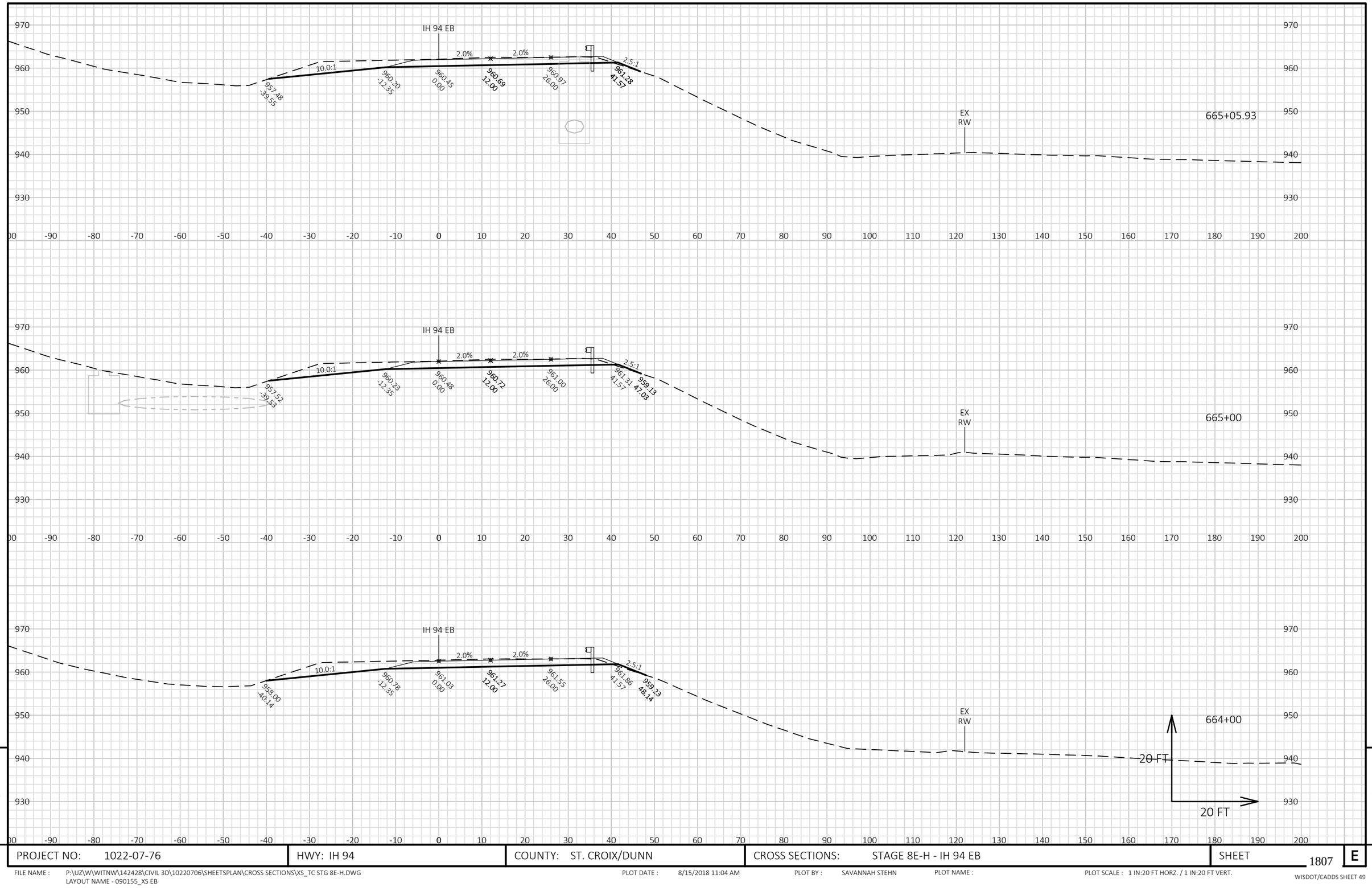
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1806	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090154_XS EB

PLOT DATE : 8/15/2018 11:03 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



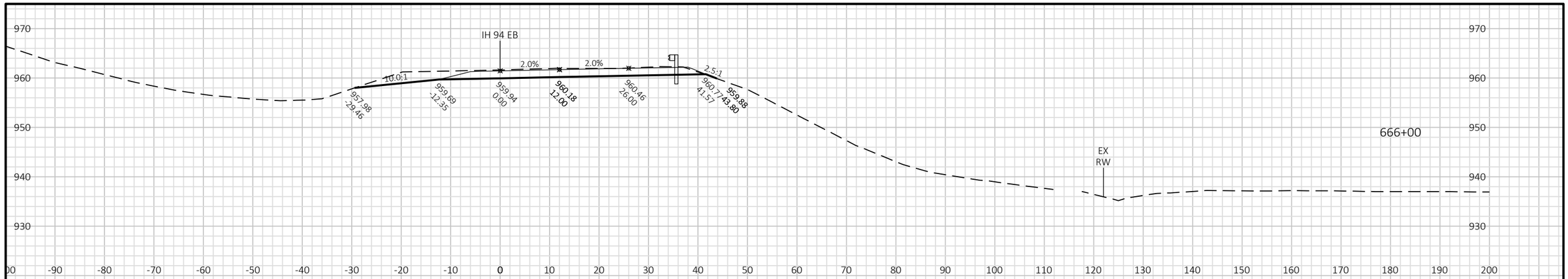
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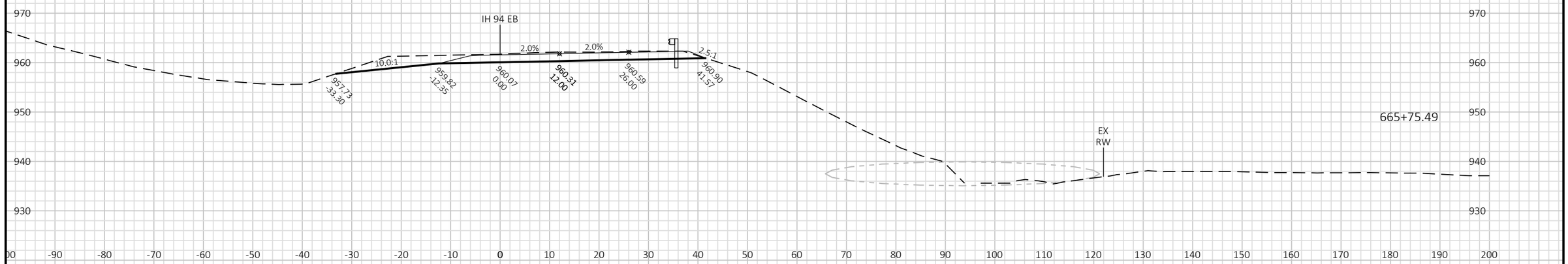
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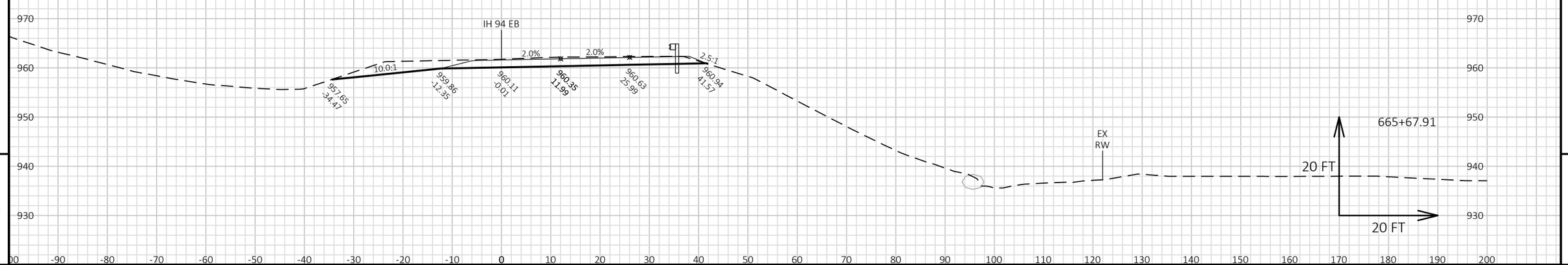
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1807	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090155_XS EB

PLOT DATE : 8/15/2018 11:04 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.







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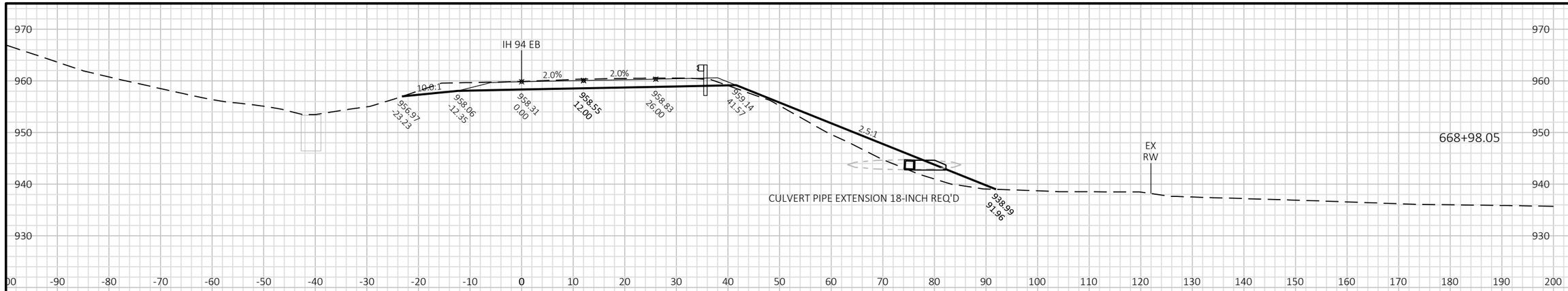
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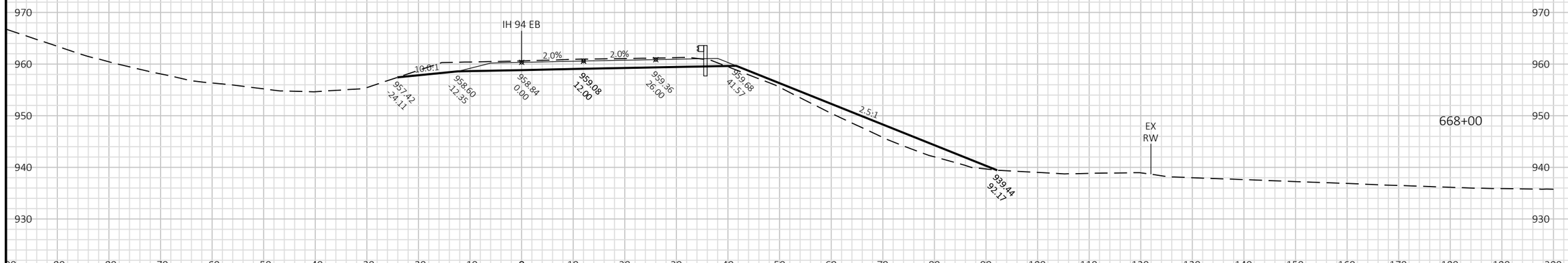
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1808	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090156_XS EB

PLOT DATE : 8/15/2018 11:04 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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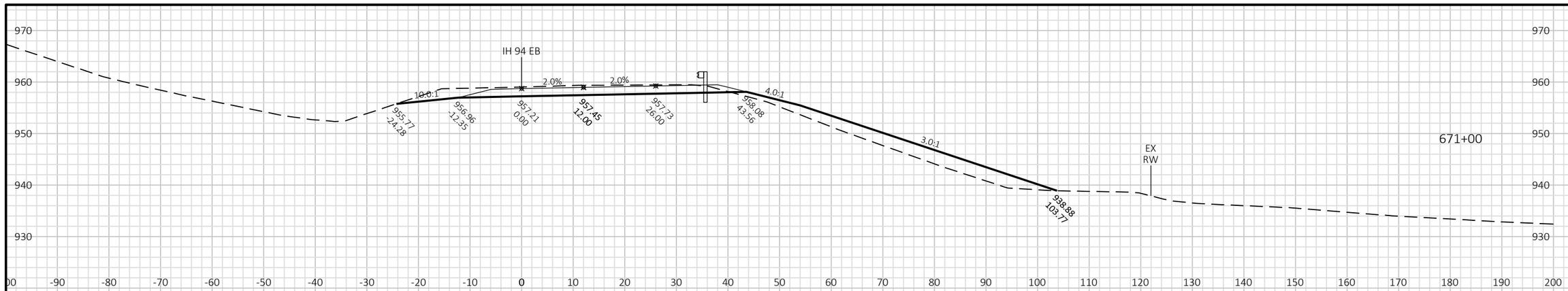
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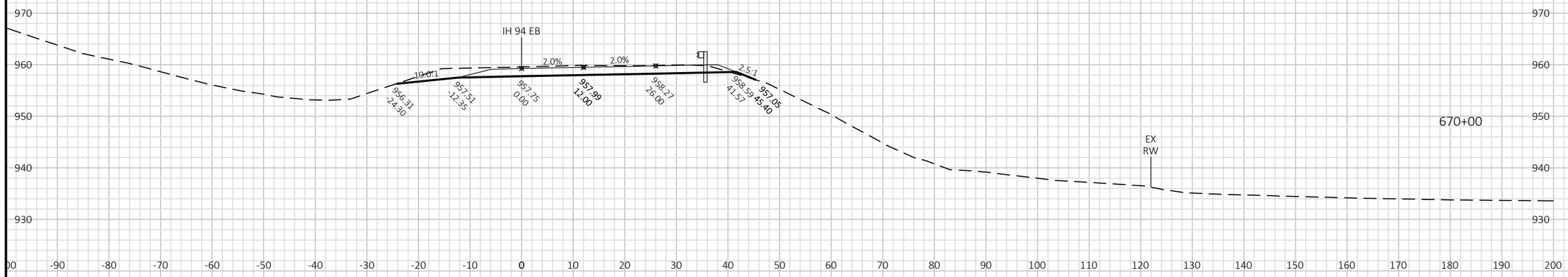
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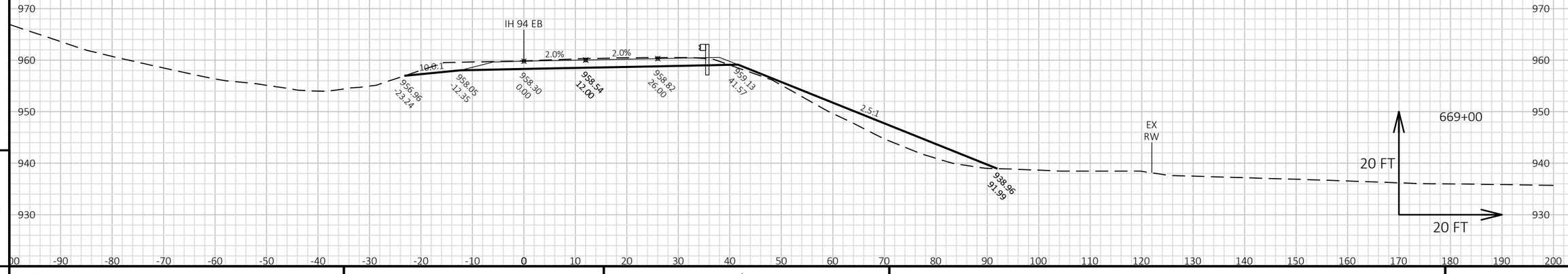
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LAYOUT NAME - 090157_XS EB

PLOT DATE : 8/15/2018 11:04 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





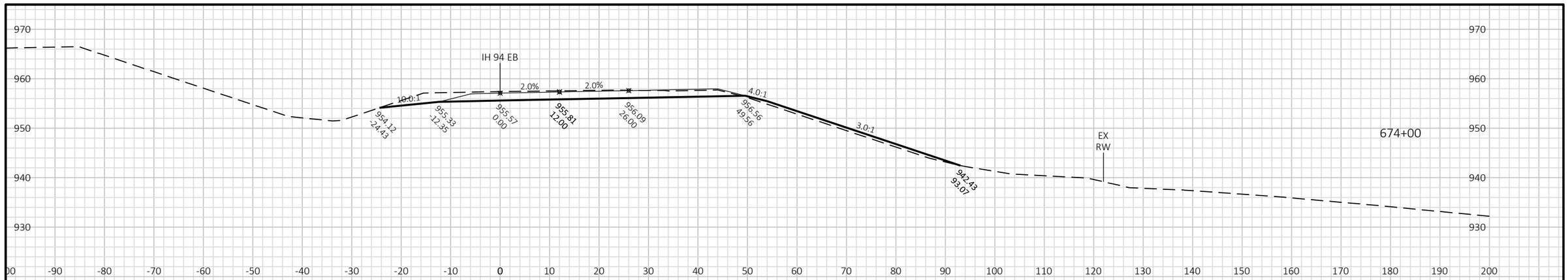


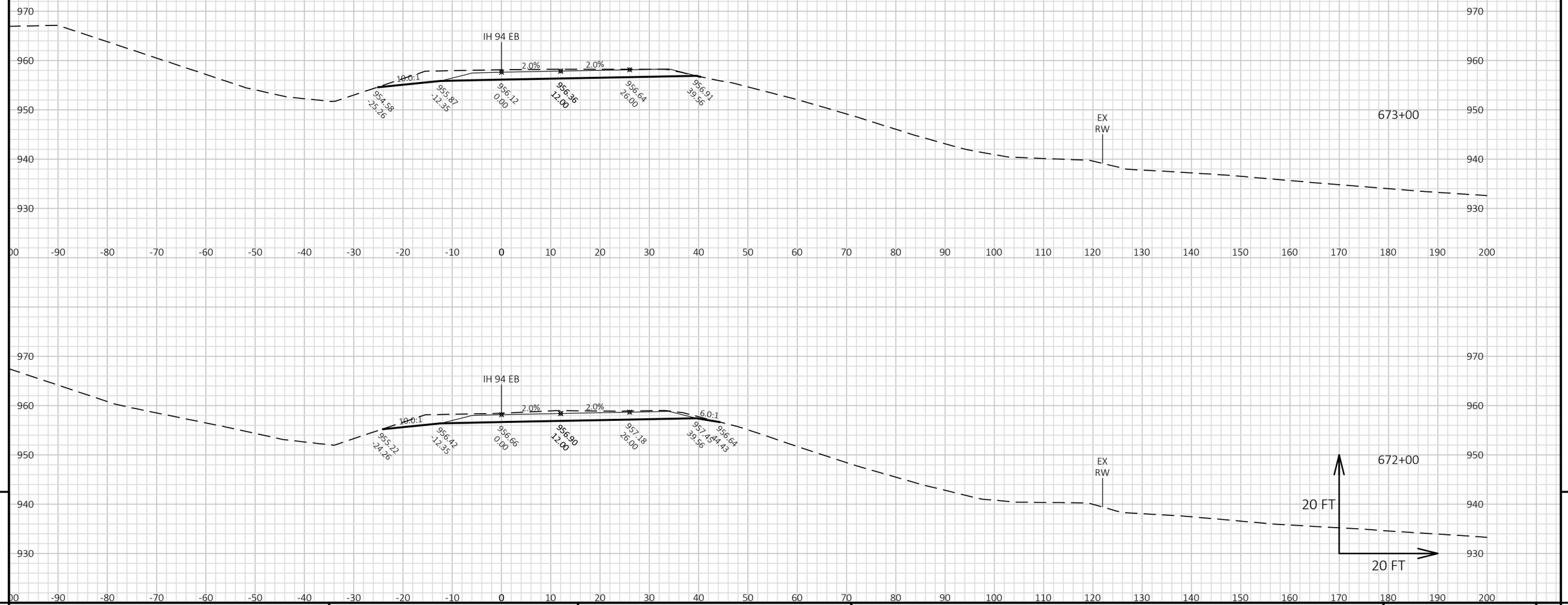
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1810 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090158_XS EB

PLOT DATE : 8/15/2018 11:04 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





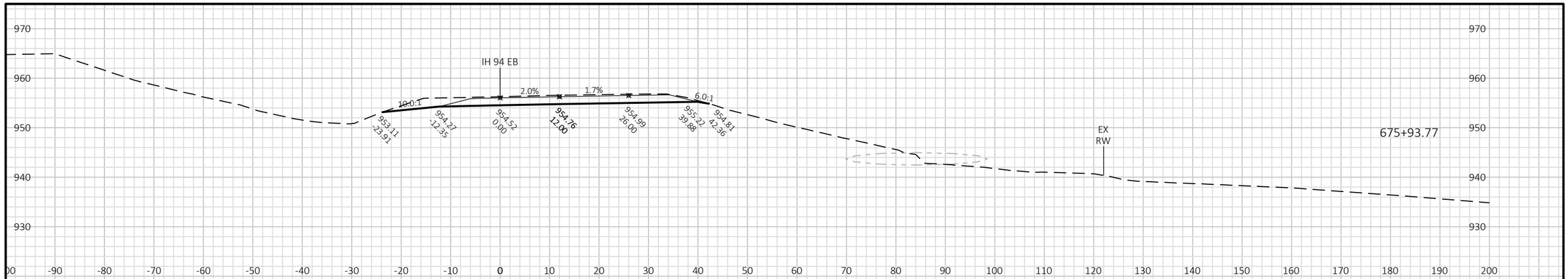
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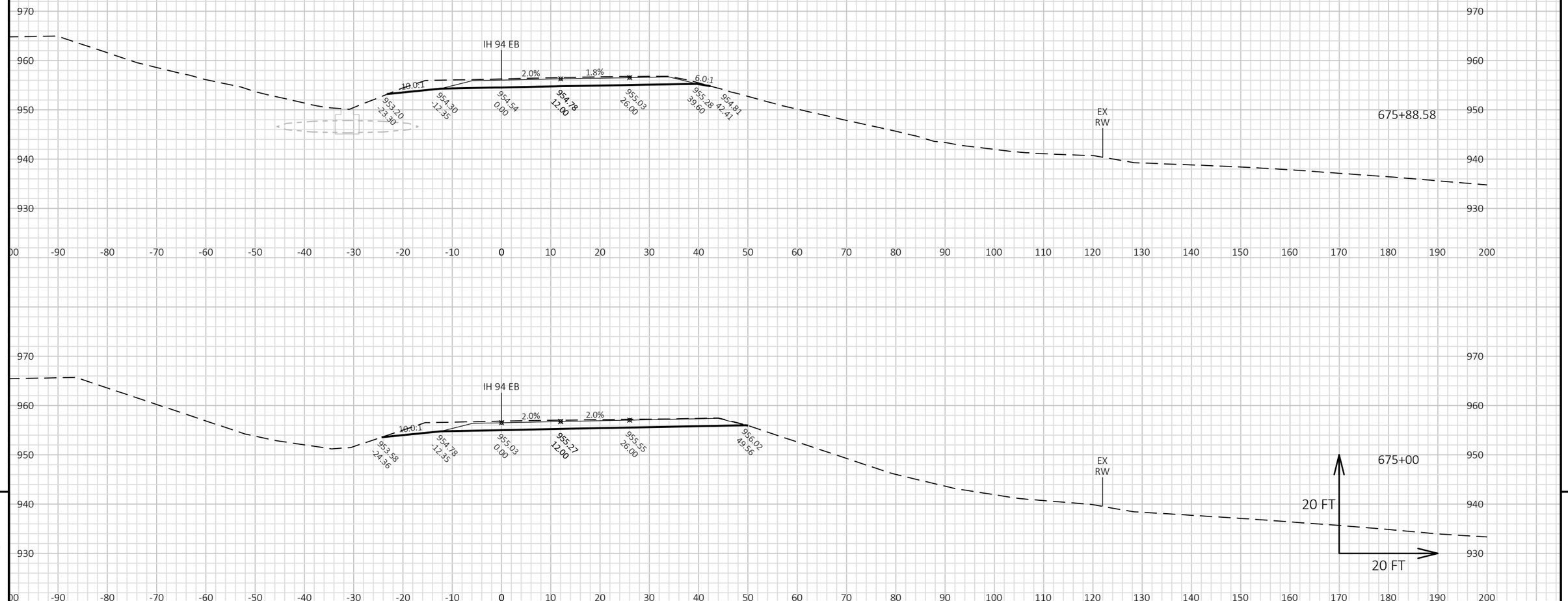
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1811	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090159_XS EB

PLOT DATE : 8/15/2018 11:04 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





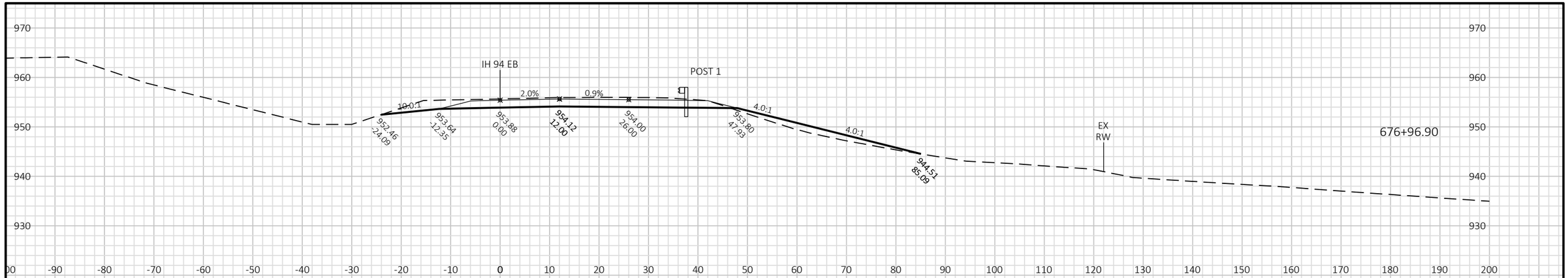
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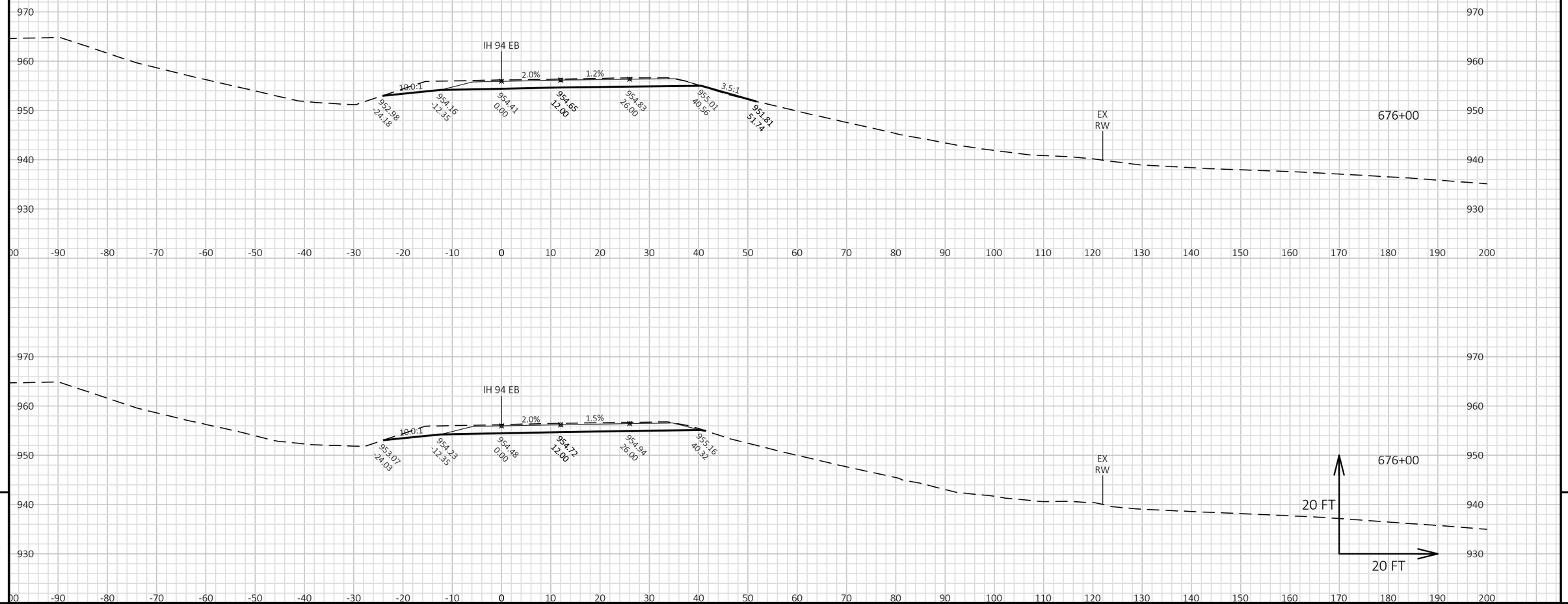
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1812 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090160_XS EB

PLOT DATE : 8/15/2018 11:04 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





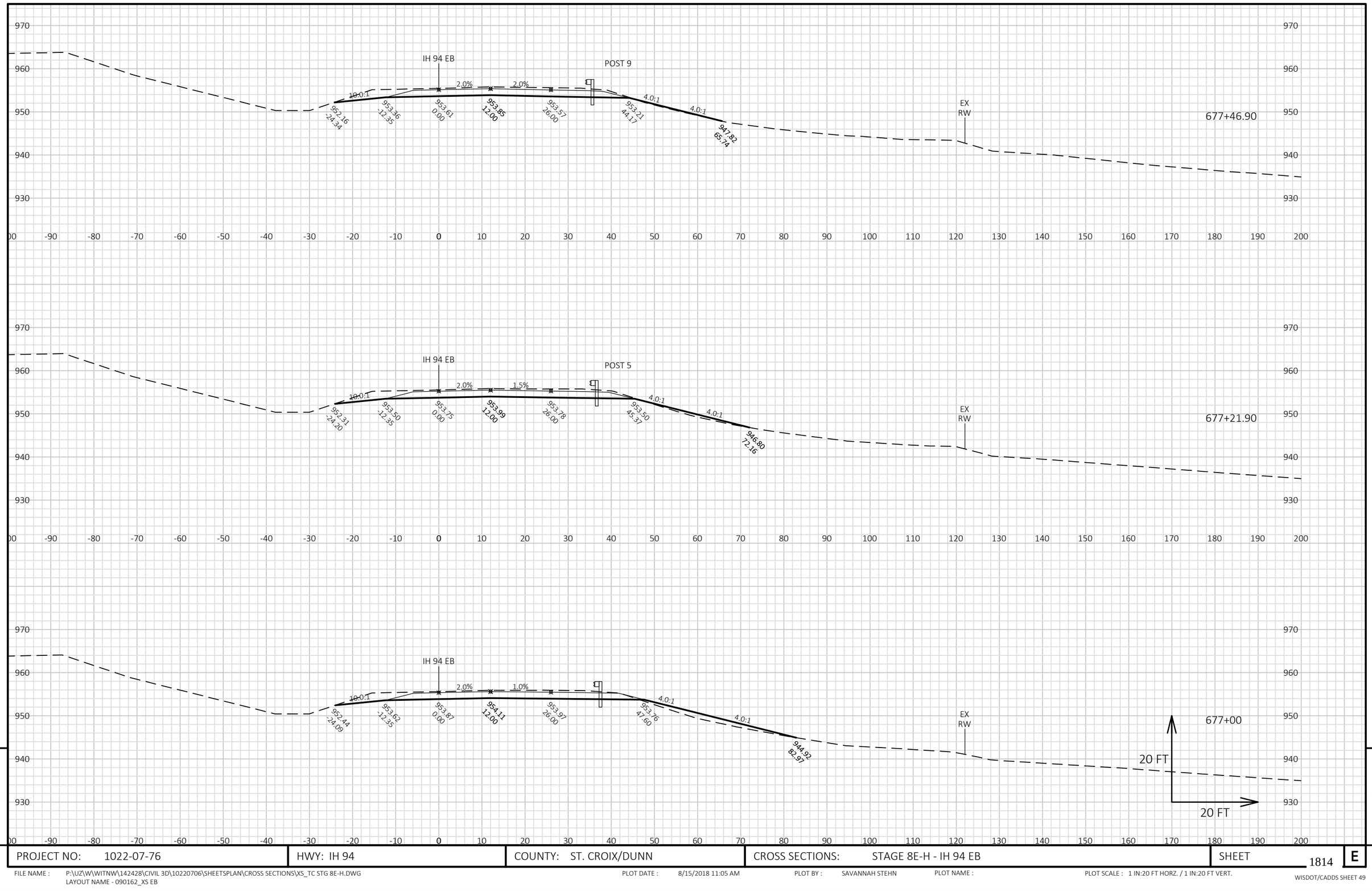
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1813	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090161_XS EB

PLOT DATE : 8/15/2018 11:05 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



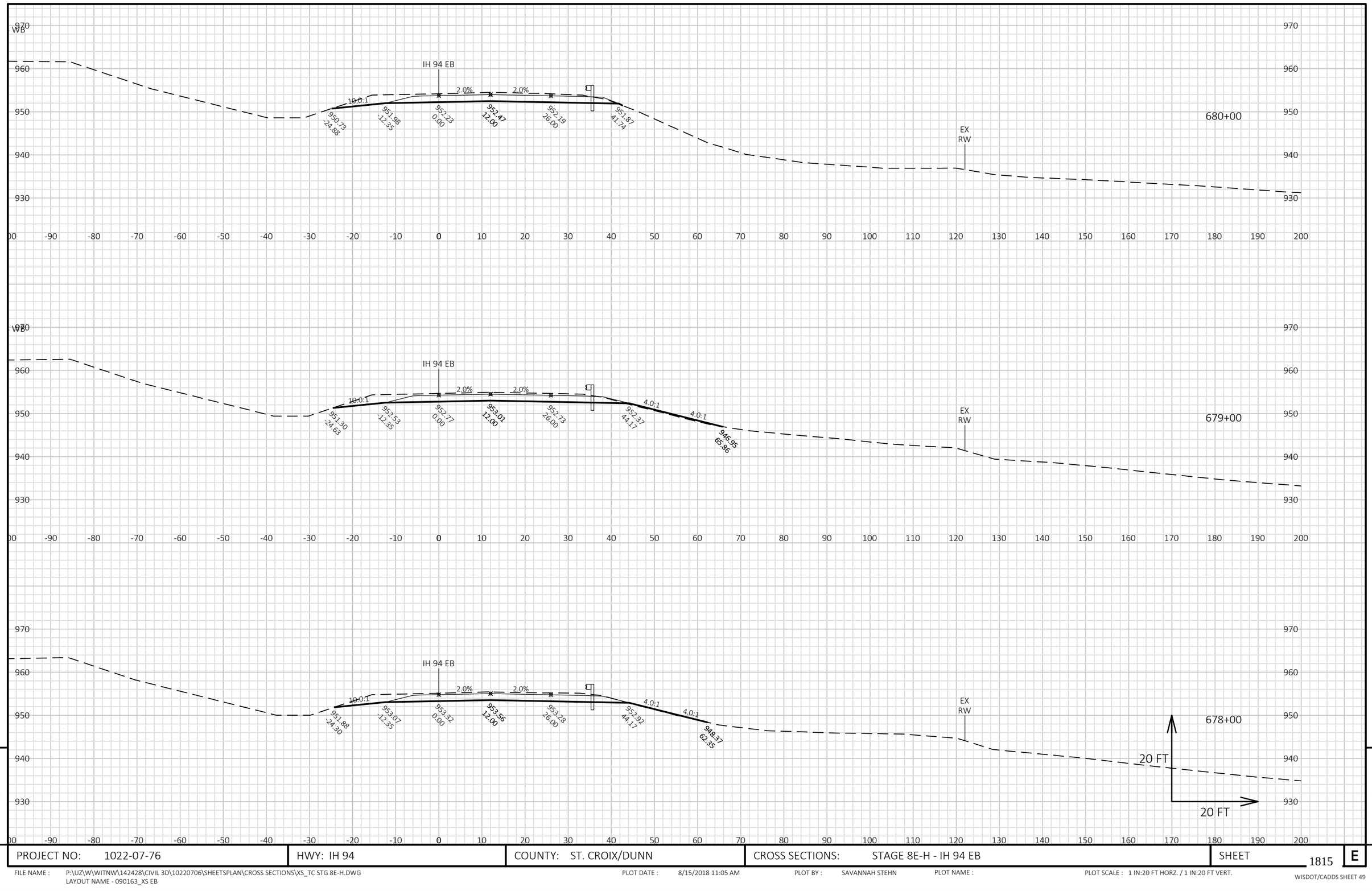
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1814	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090162_XS EB

PLOT DATE : 8/15/2018 11:05 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



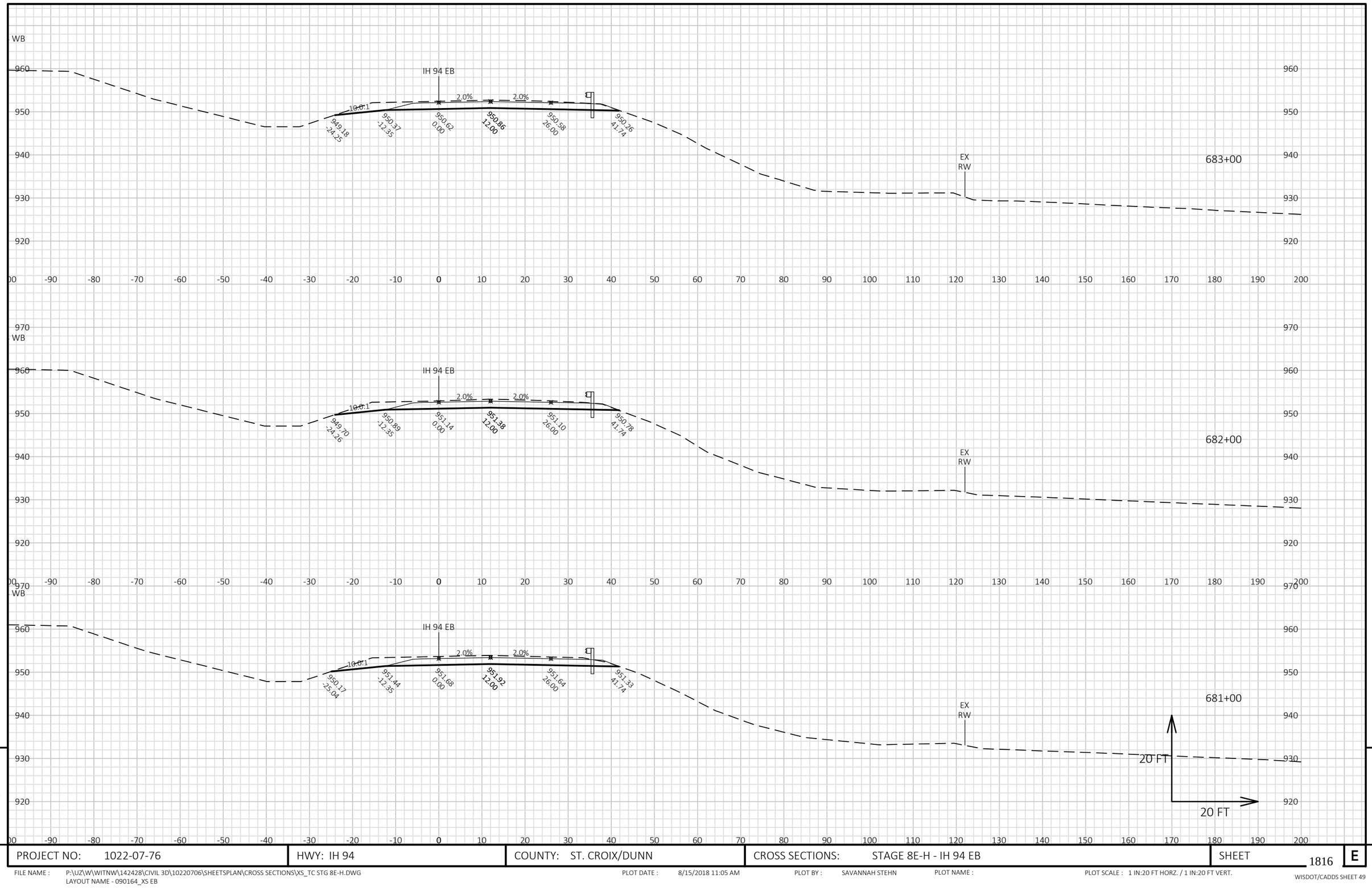
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1815	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090163_XS EB

PLOT DATE : 8/15/2018 11:05 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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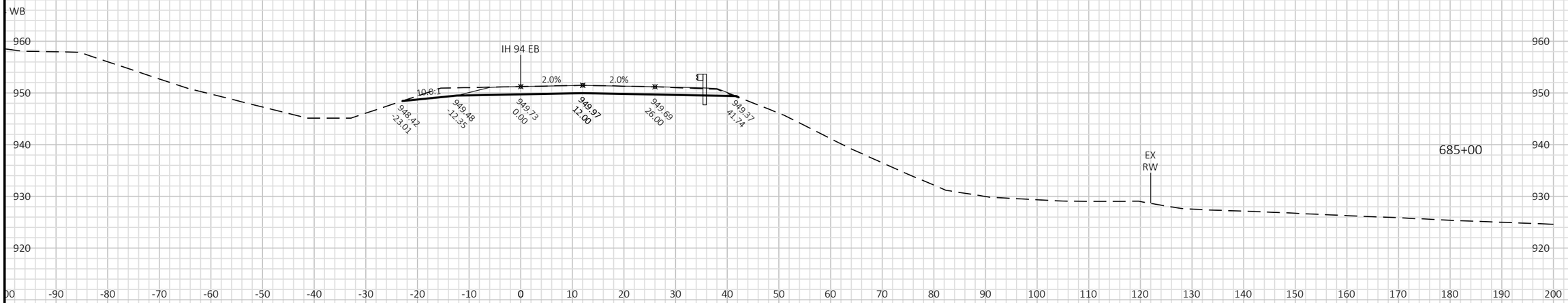
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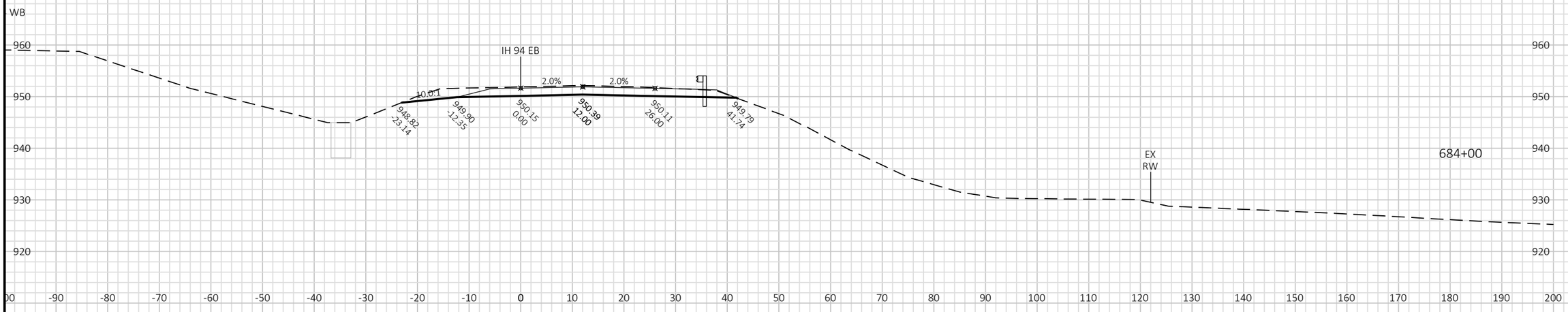
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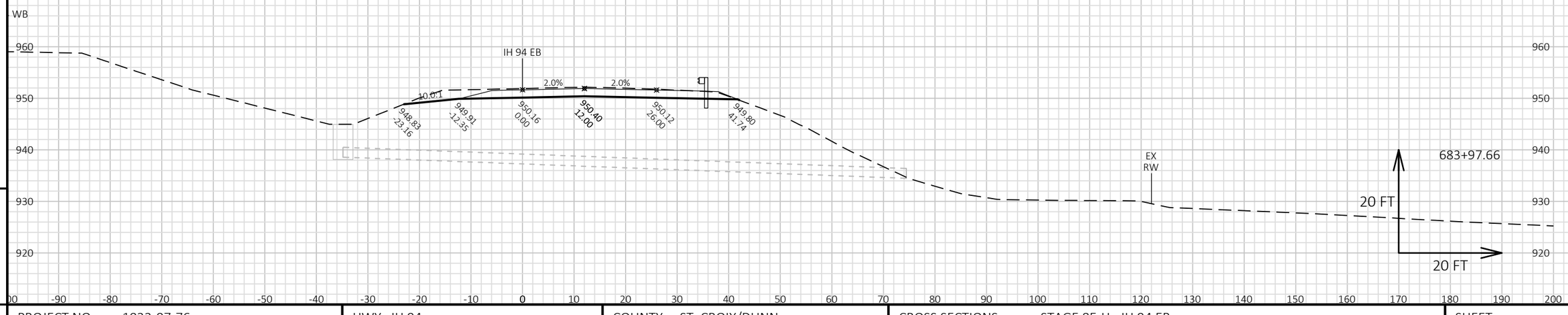
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LAYOUT NAME - 090164_XS EB

PLOT DATE : 8/15/2018 11:05 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

END PROJECT
STA 685+00







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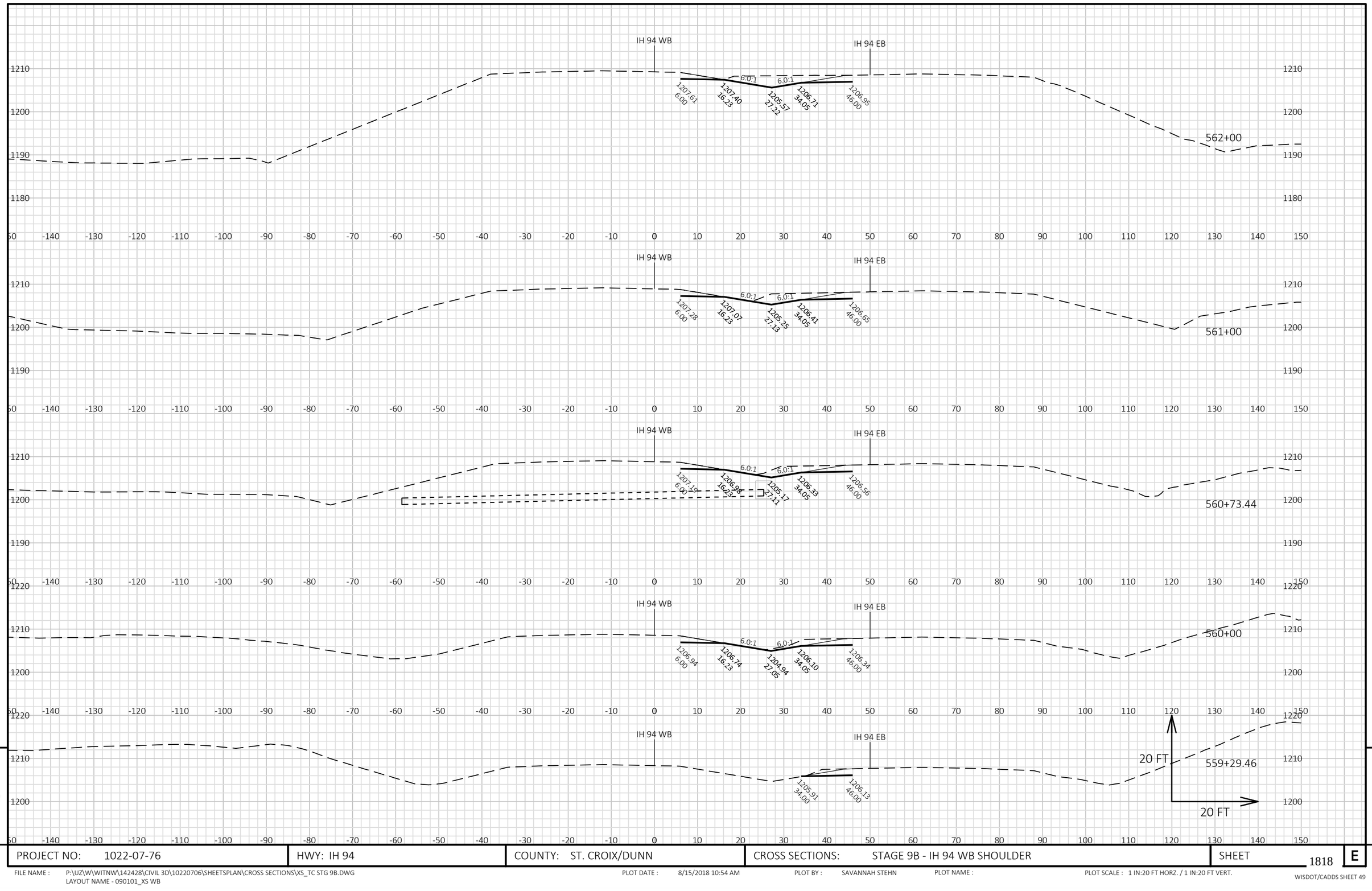
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 8E-H - IH 94 EB	SHEET 1817	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 8E-H.DWG
LAYOUT NAME - 090165_XS EB

PLOT DATE : 8/15/2018 11:05 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



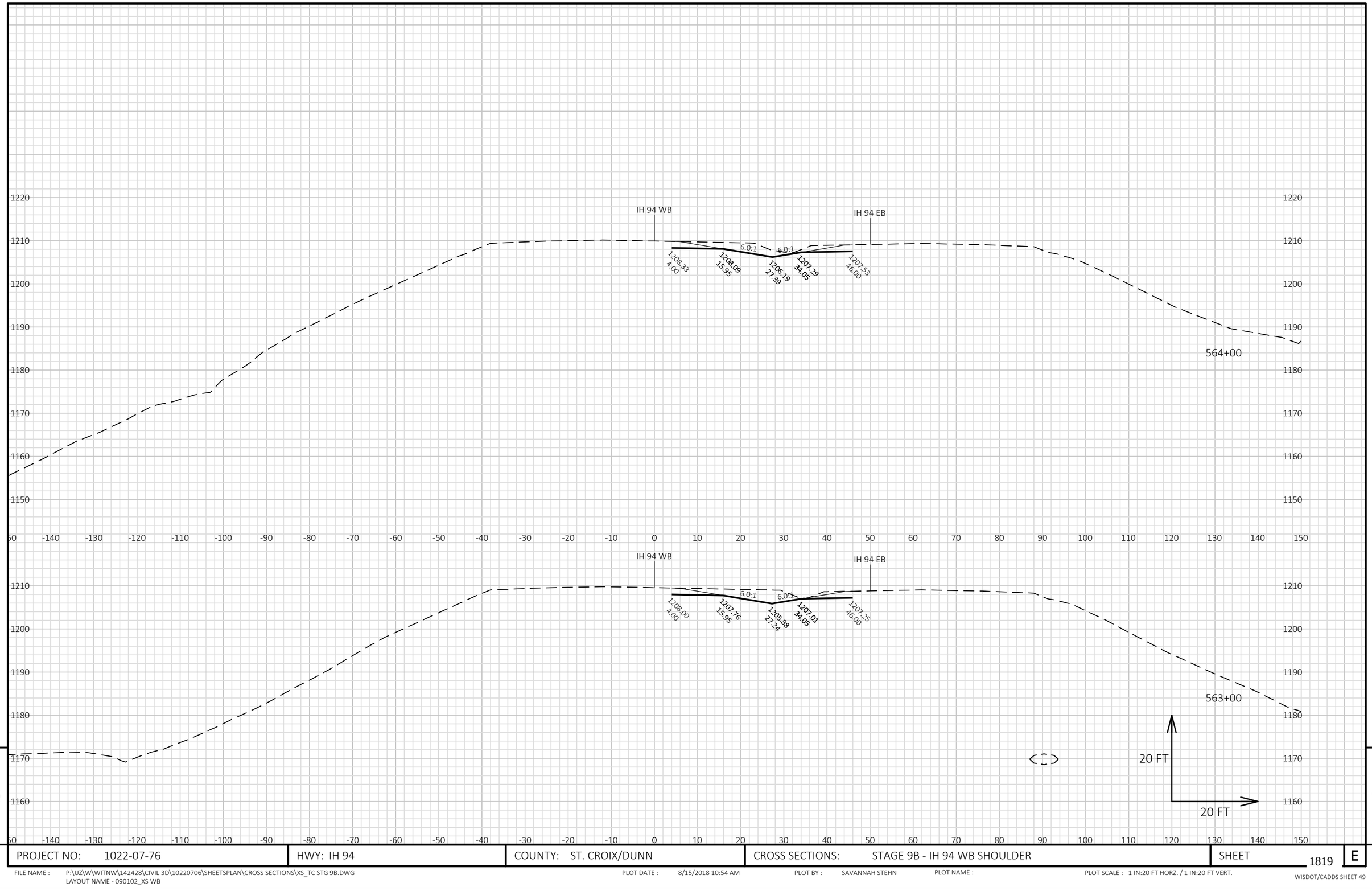
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1818	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090101_XS WB

PLOT DATE : 8/15/2018 10:54 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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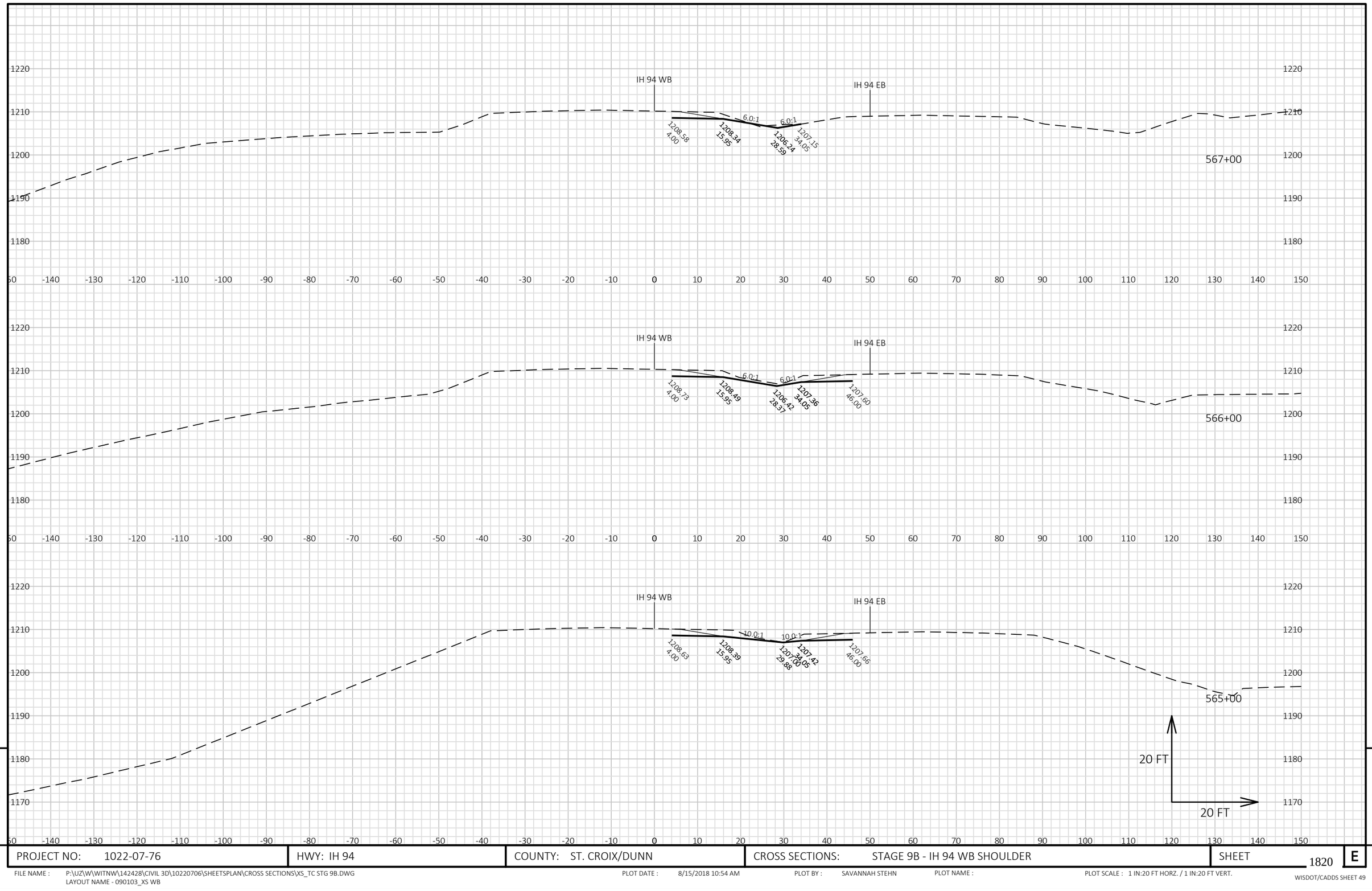
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1819	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090102_XS WB

PLOT DATE : 8/15/2018 10:54 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1820	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090103_XS WB

PLOT DATE : 8/15/2018 10:54 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

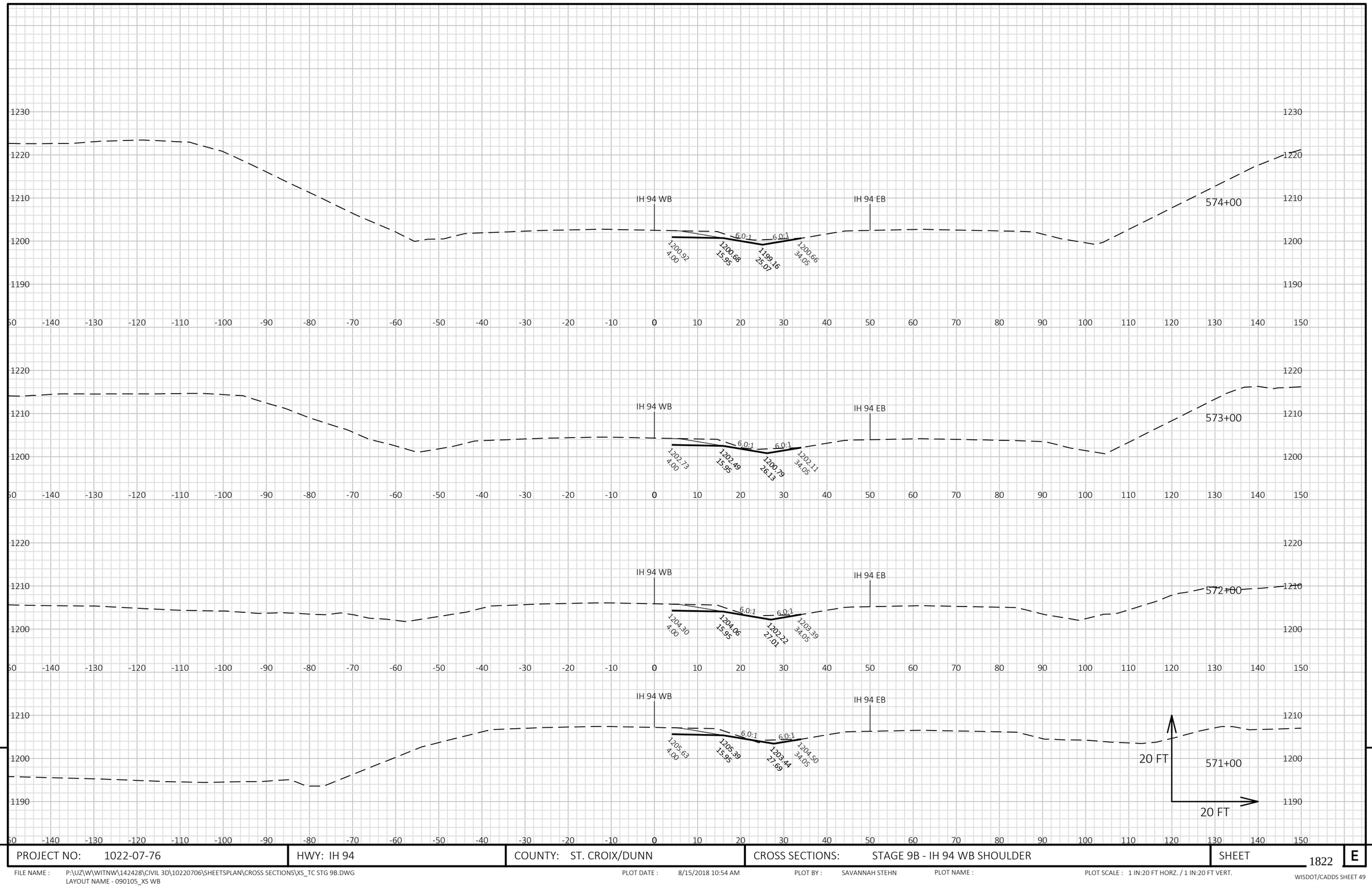
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1821	E

9

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090104_XS WB

PLOT DATE : 8/15/2018 10:54 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



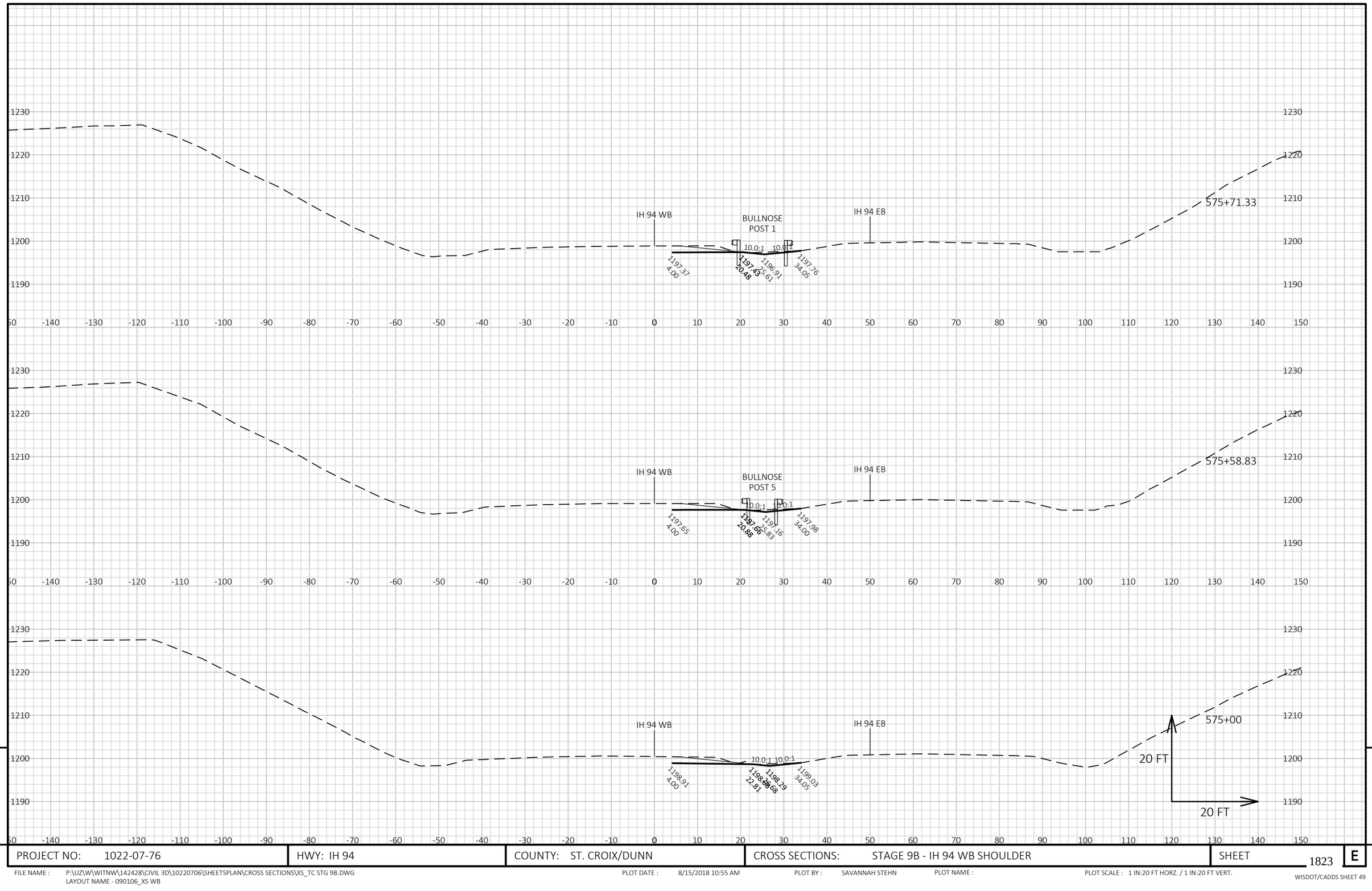
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1822	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090105_XS WB

PLOT DATE : 8/15/2018 10:54 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



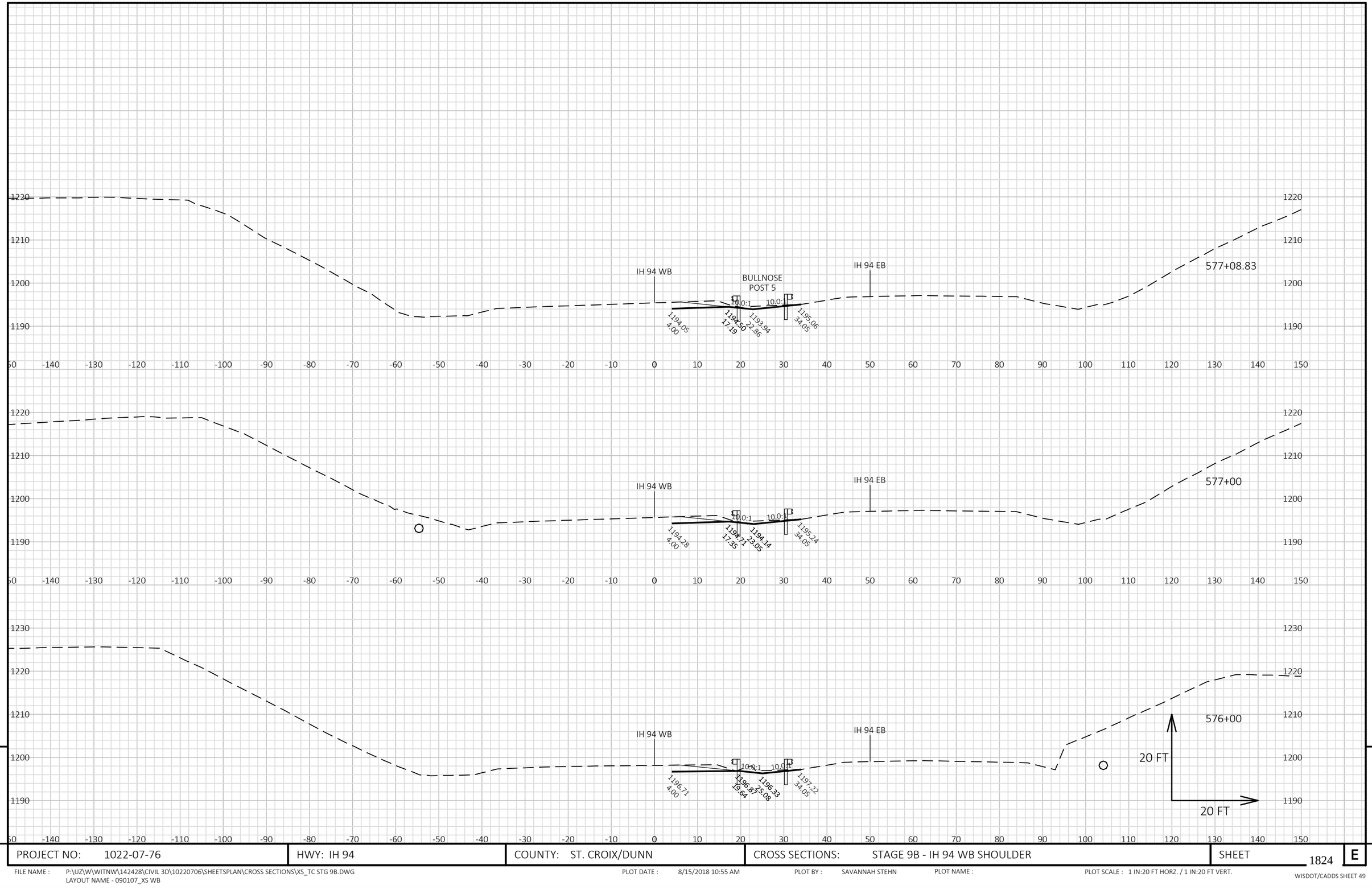
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1823 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090106_XS WB

PLOT DATE : 8/15/2018 10:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

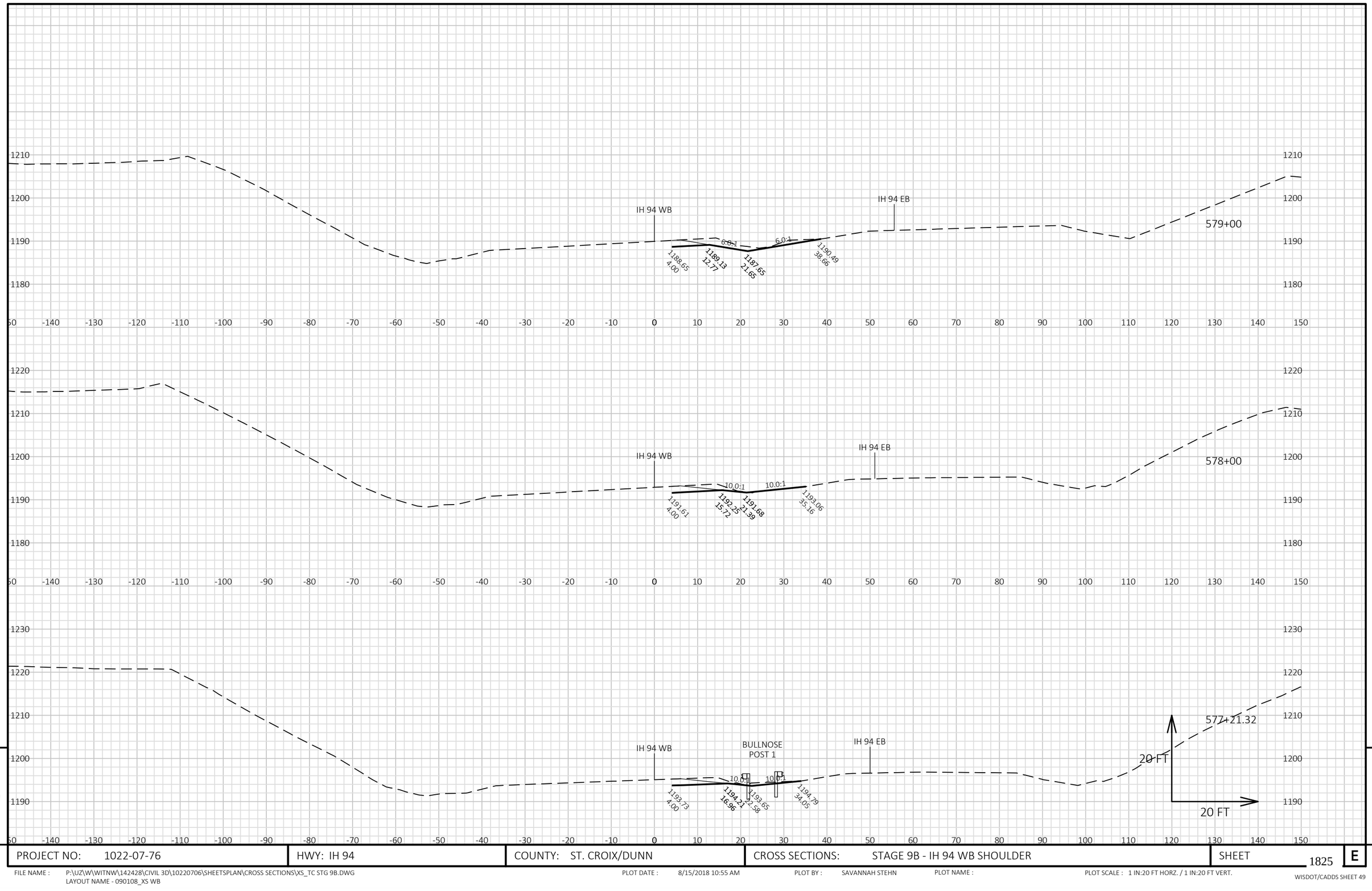


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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1824	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090107_XS WB
PLOT DATE : 8/15/2018 10:55 AM
PLOT BY : SAVANNAH STEHN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



9

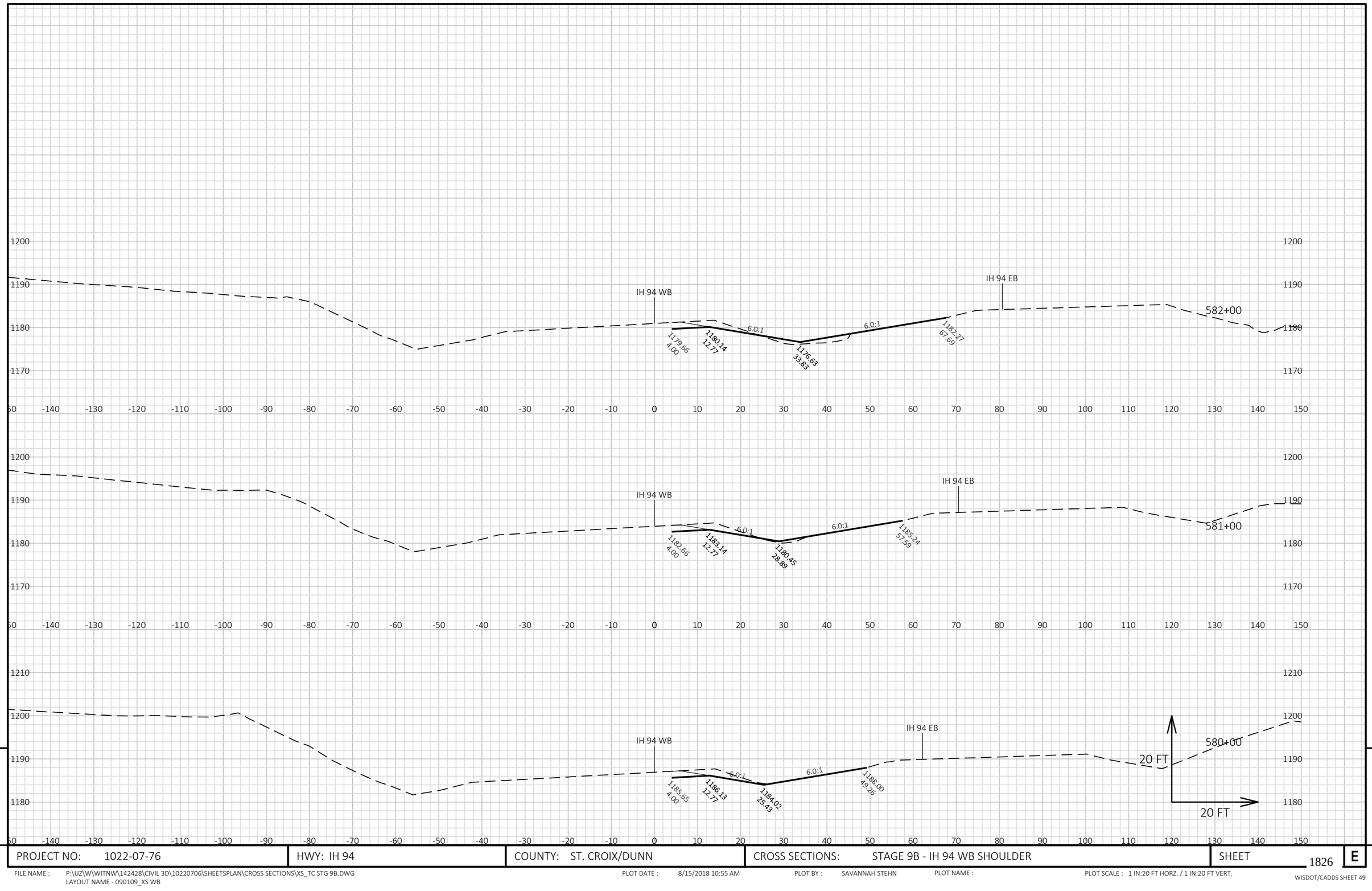
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1825	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090108_XS WB

PLOT DATE : 8/15/2018 10:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



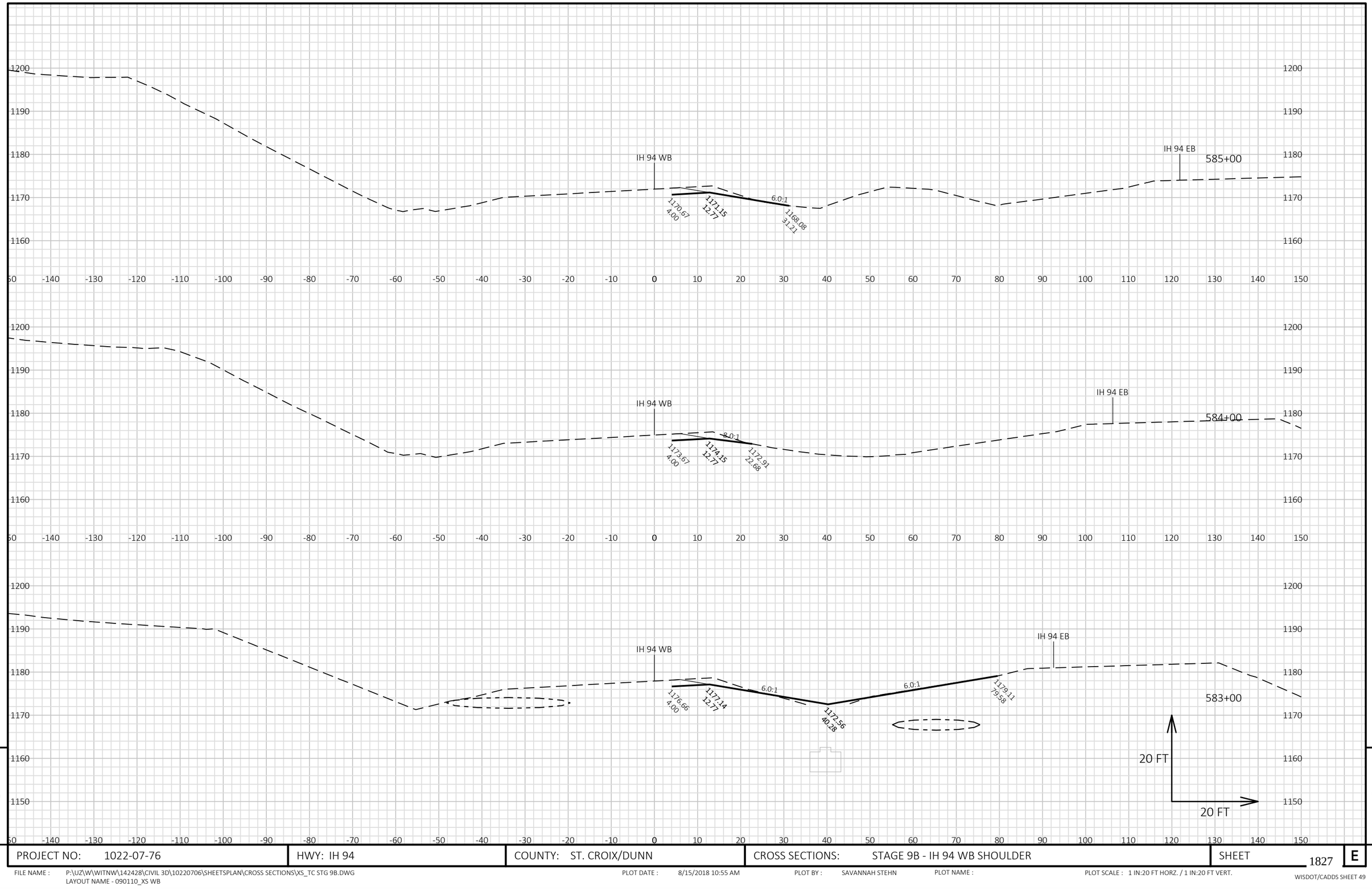
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1826	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090109_XS WB

PLOT DATE : 8/15/2018 10:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



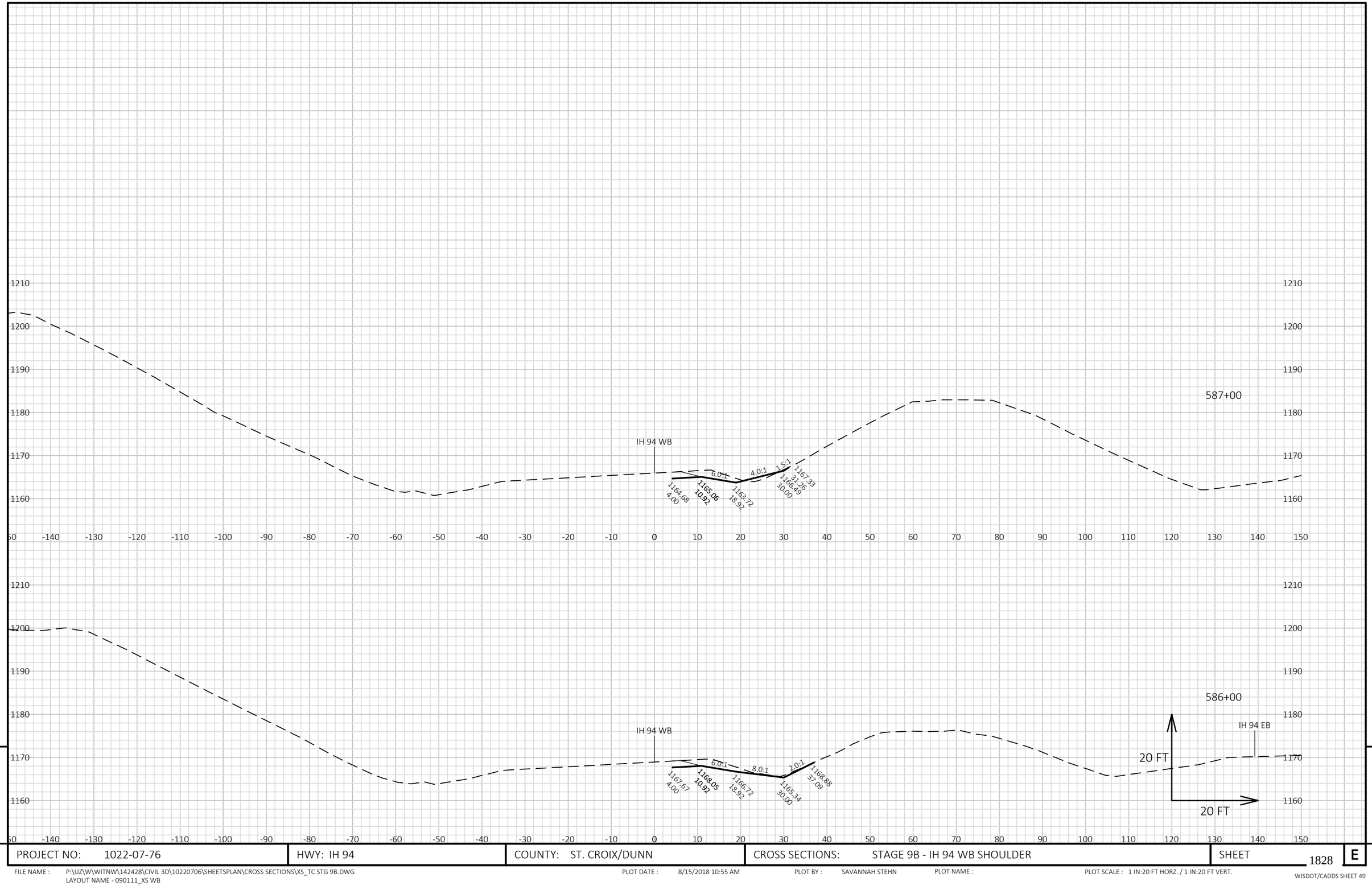
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1827	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090110_XS WB

PLOT DATE : 8/15/2018 10:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



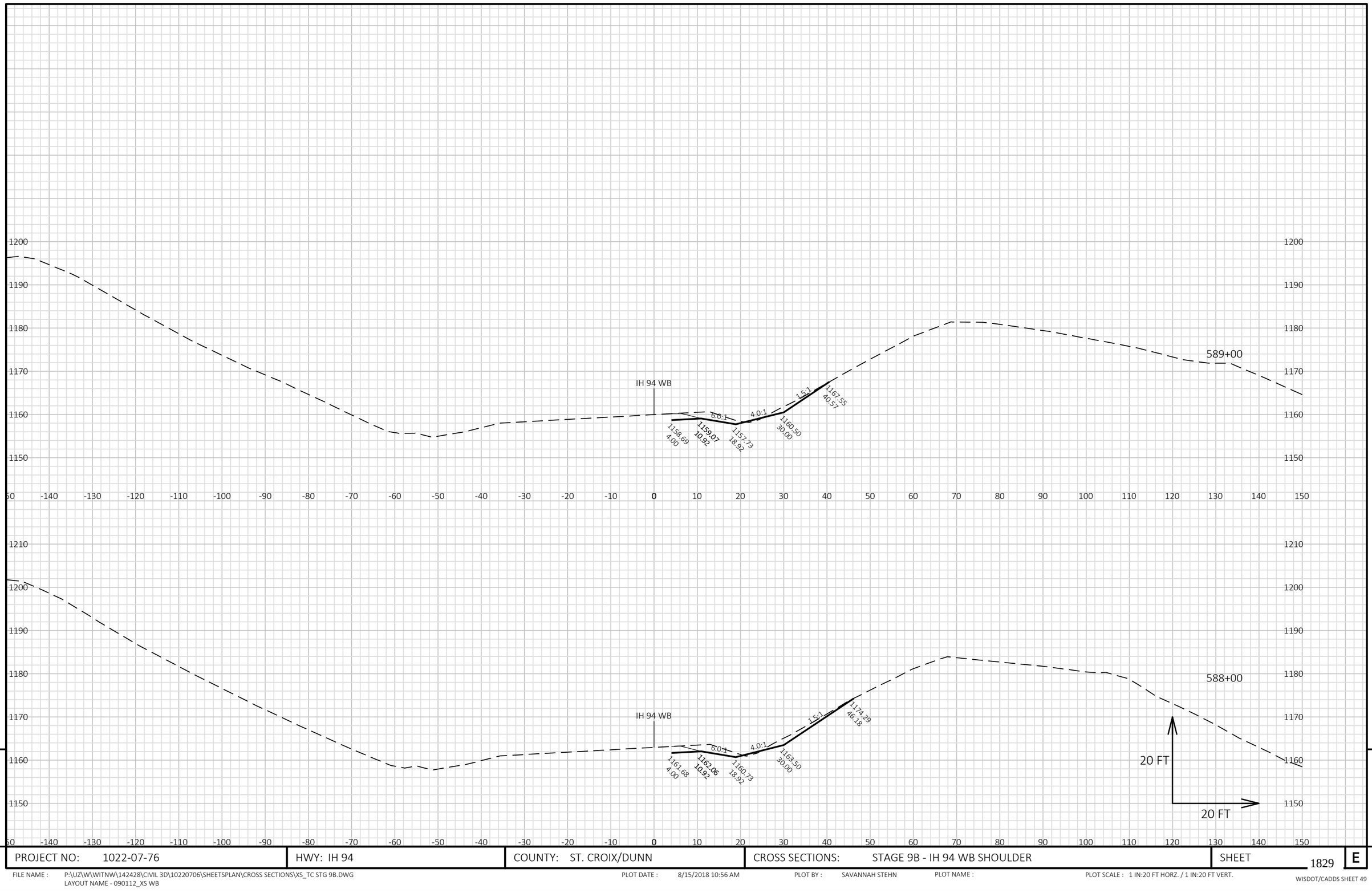
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1828	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090111_XS WB

PLOT DATE : 8/15/2018 10:55 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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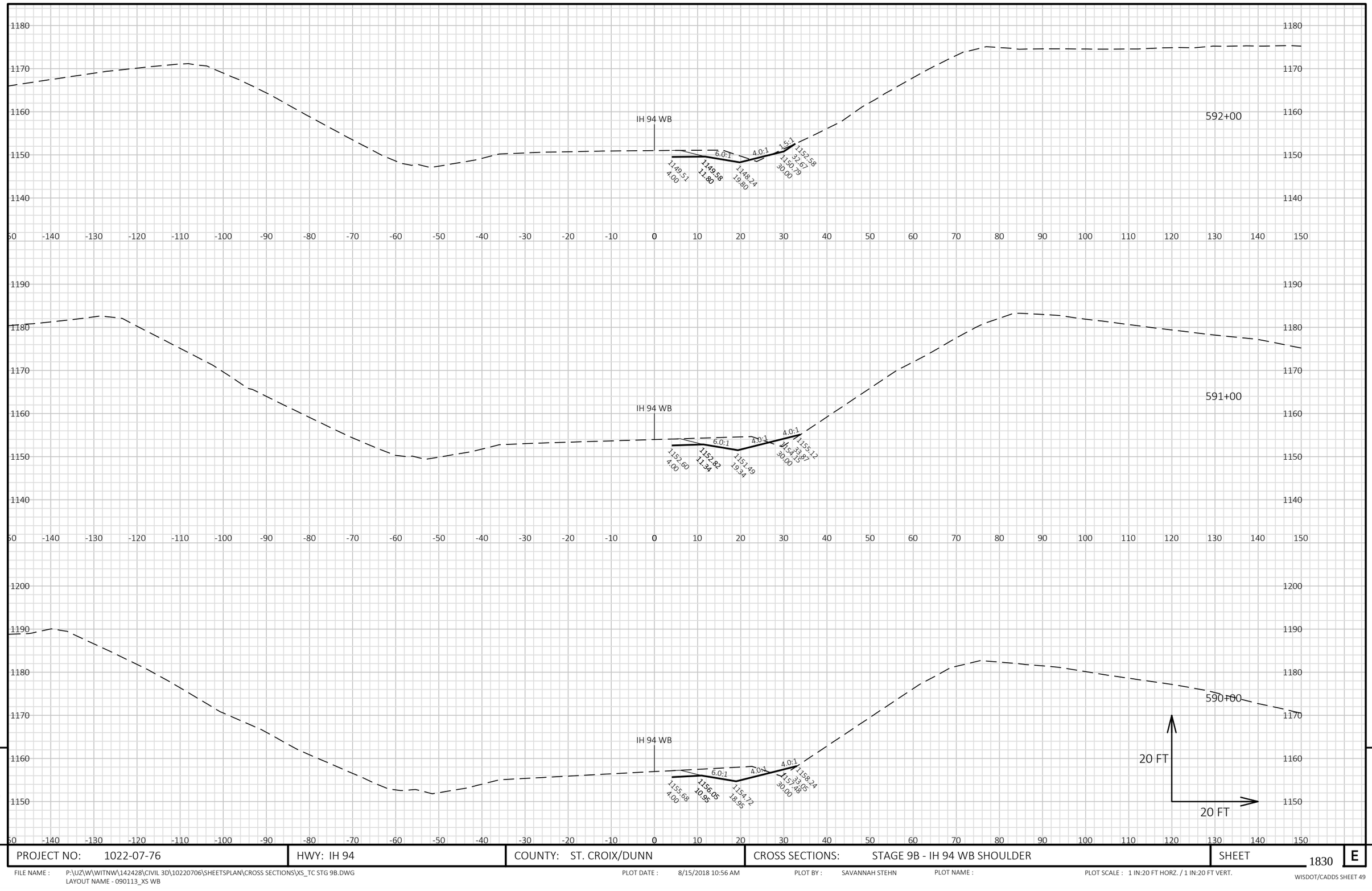
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1829	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090112_XS WB

PLOT DATE : 8/15/2018 10:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



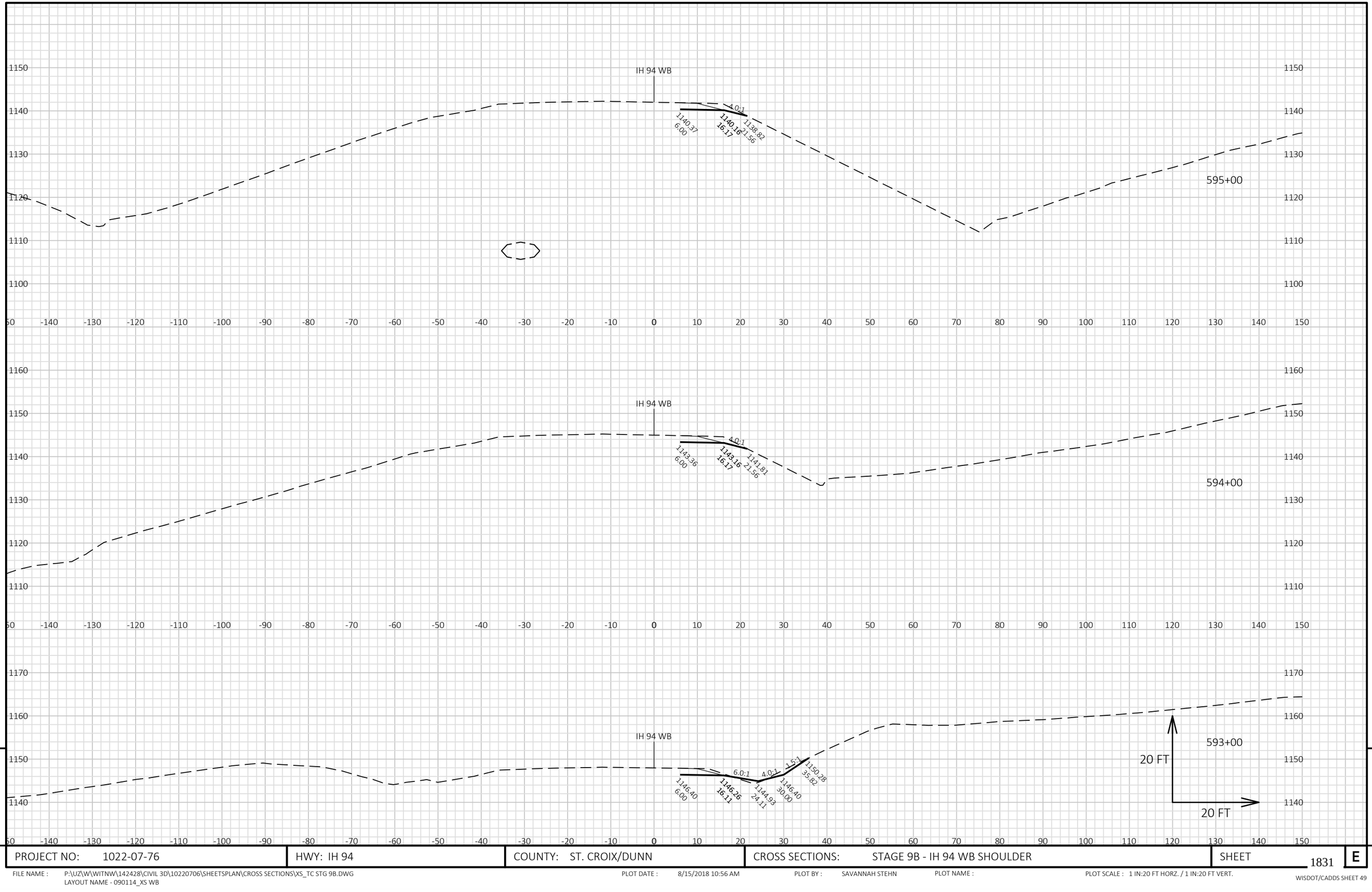
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1830	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090113_XS WB

PLOT DATE : 8/15/2018 10:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



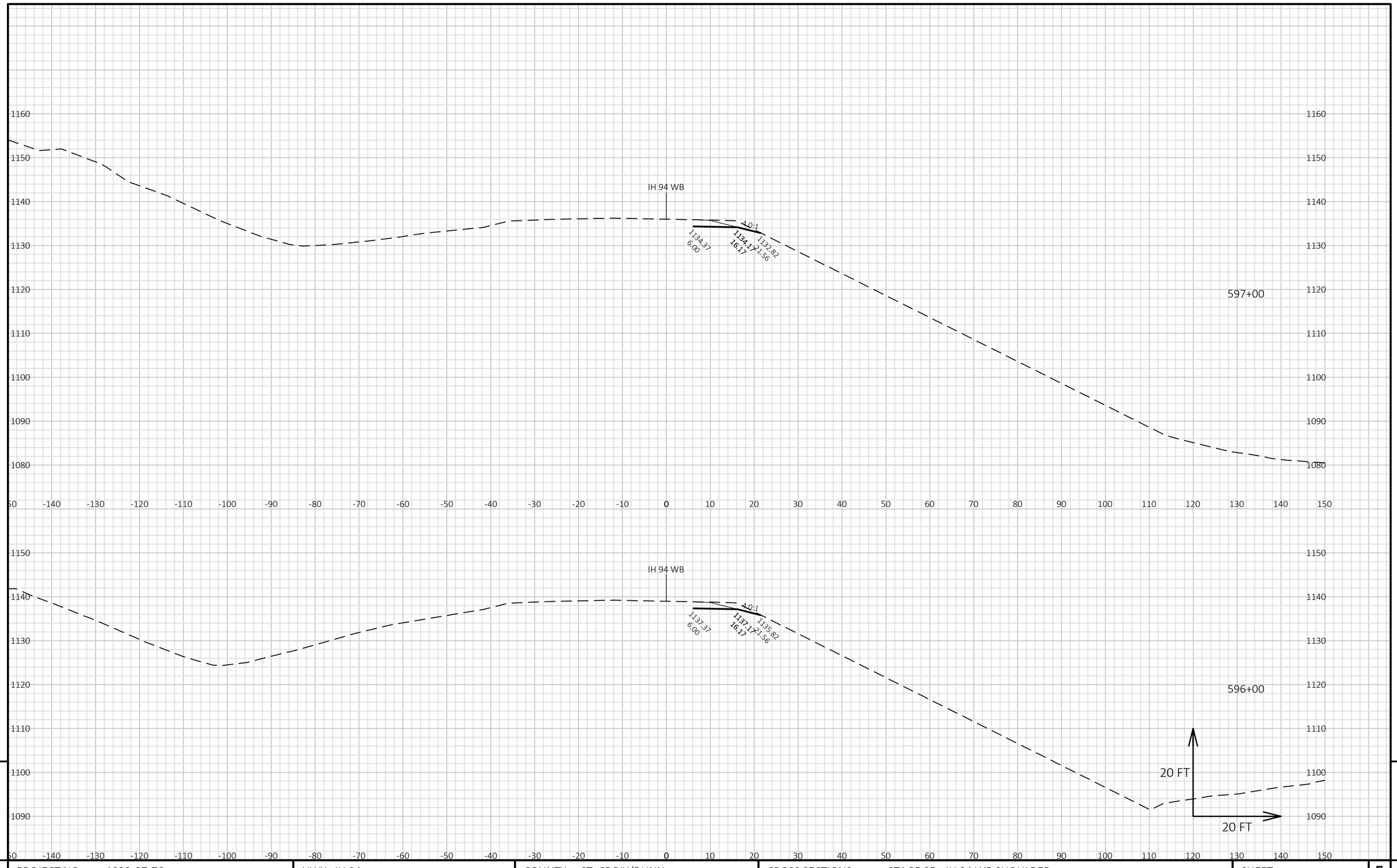
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1831	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090114_XS WB

PLOT DATE : 8/15/2018 10:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



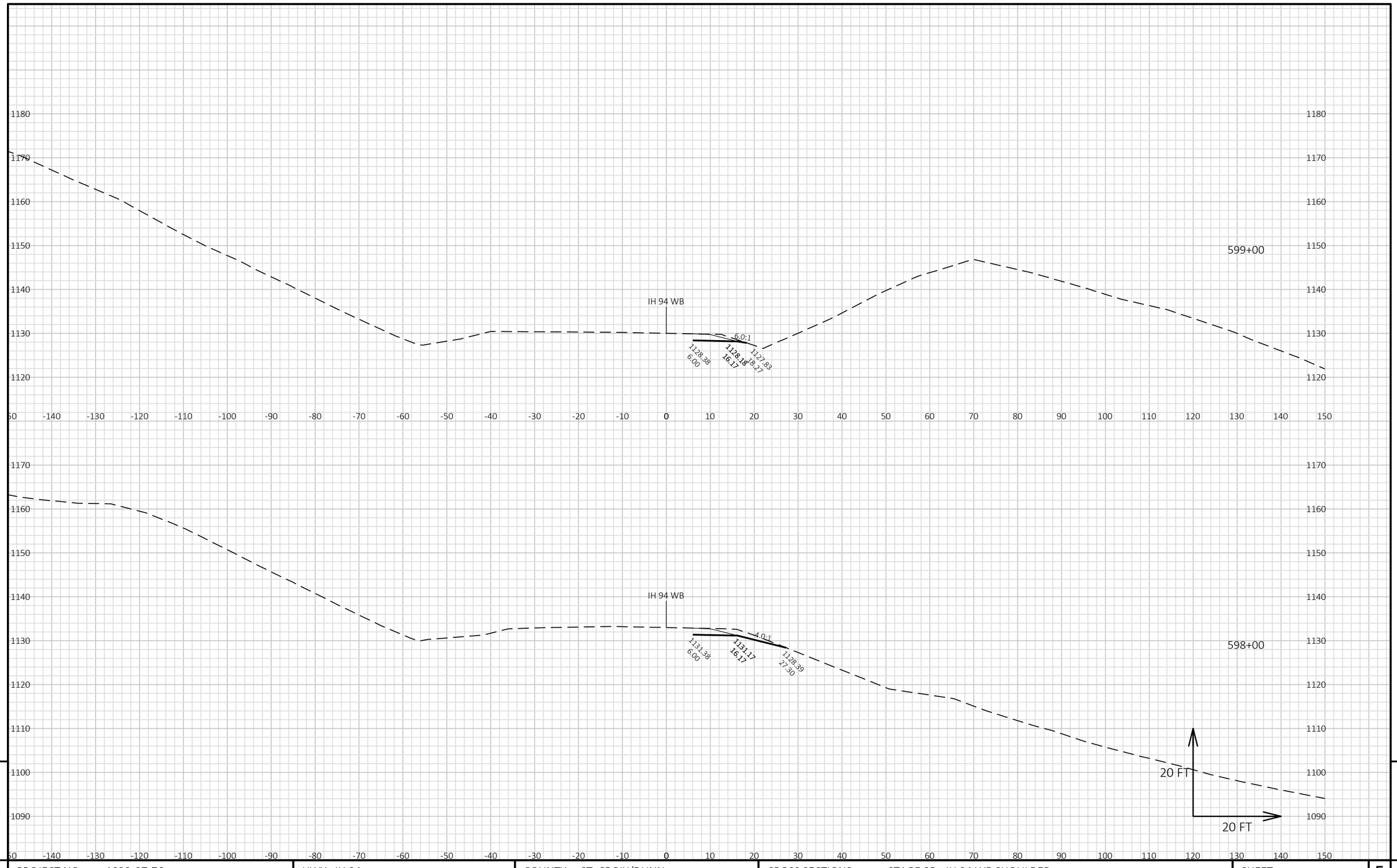
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1832	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090115_XS WB

PLOT DATE : 8/15/2018 10:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



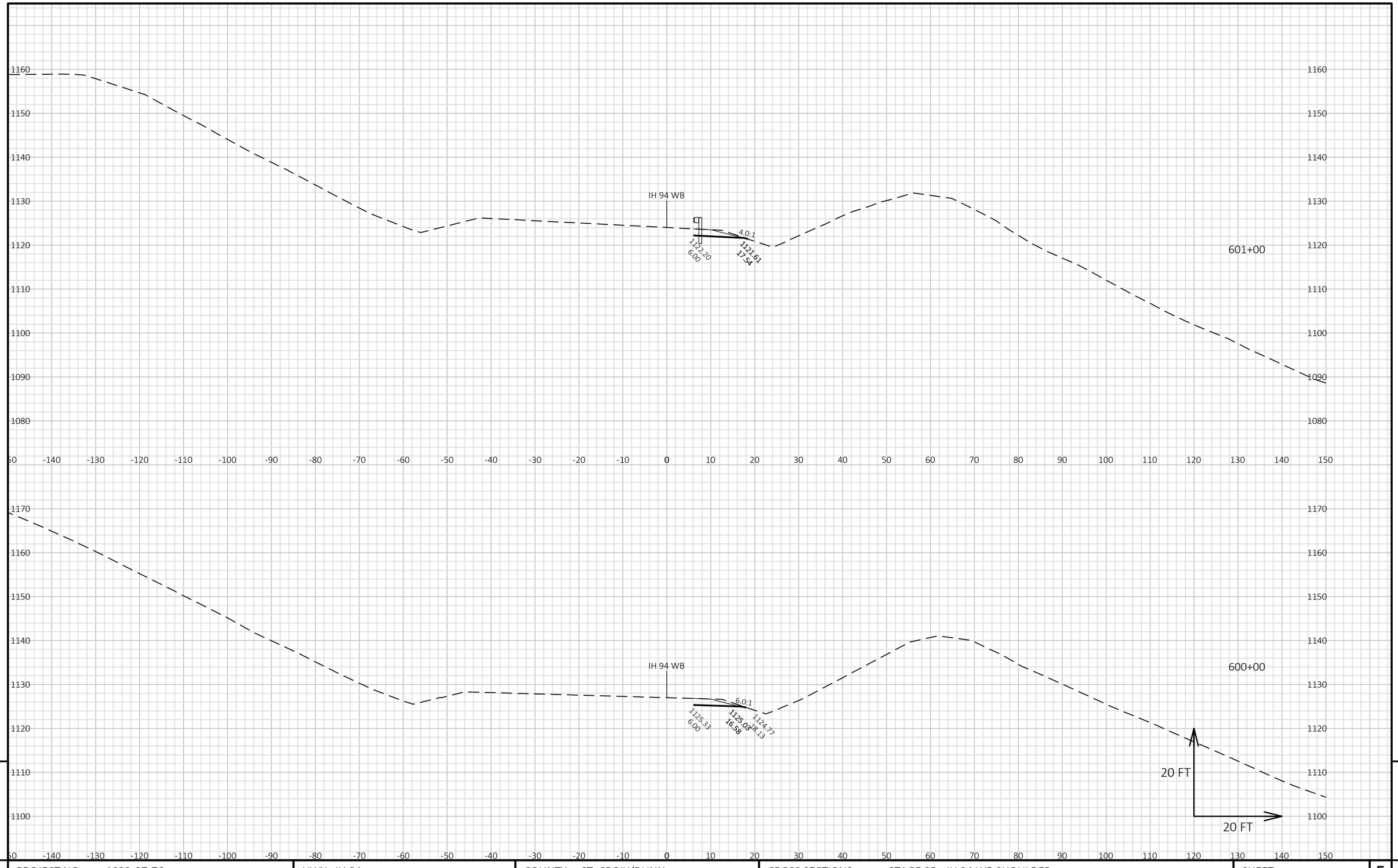
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1833	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090116_XS WB

PLOT DATE : 8/15/2018 10:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



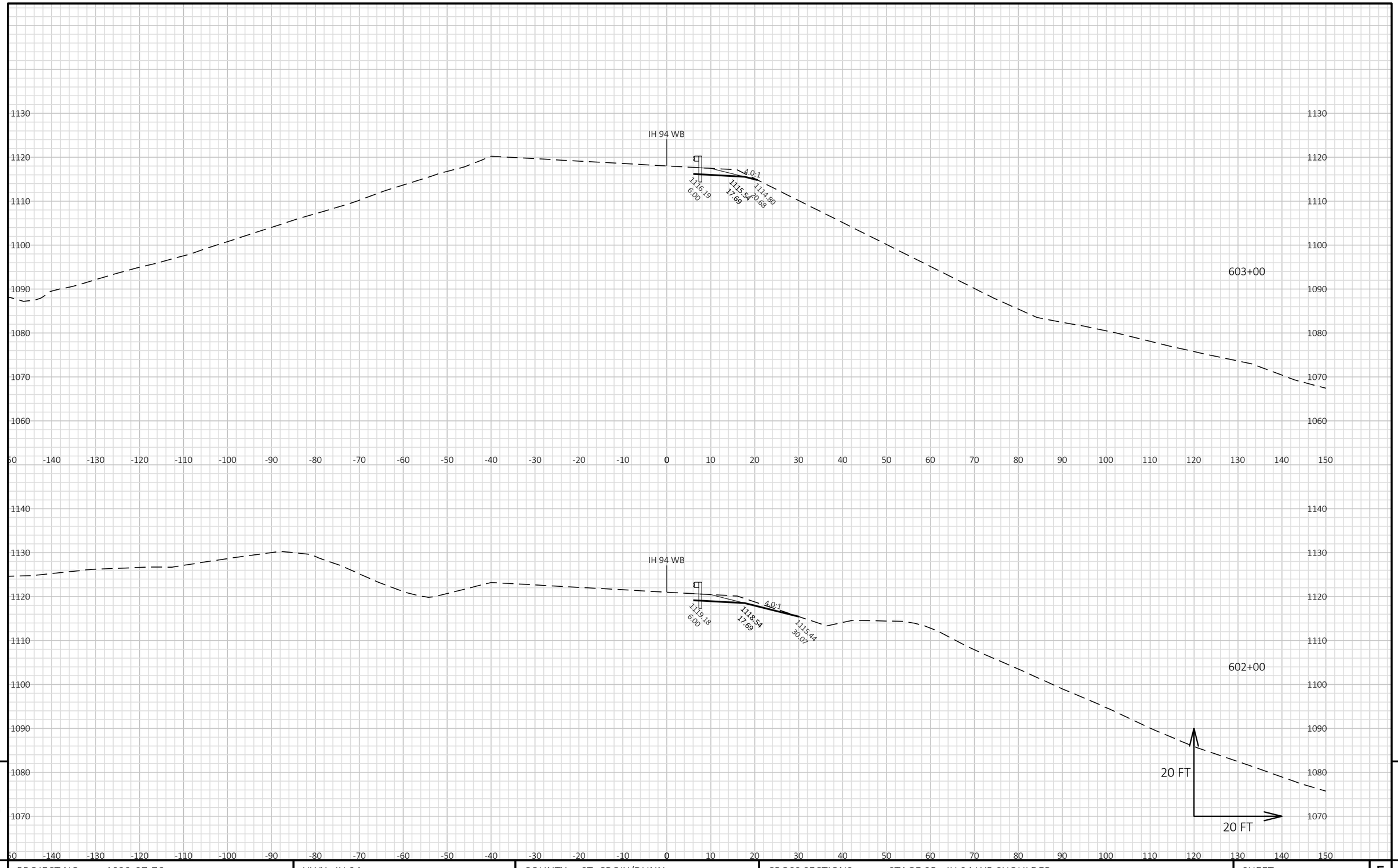
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1834	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090117_XS WB

PLOT DATE : 8/15/2018 10:56 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



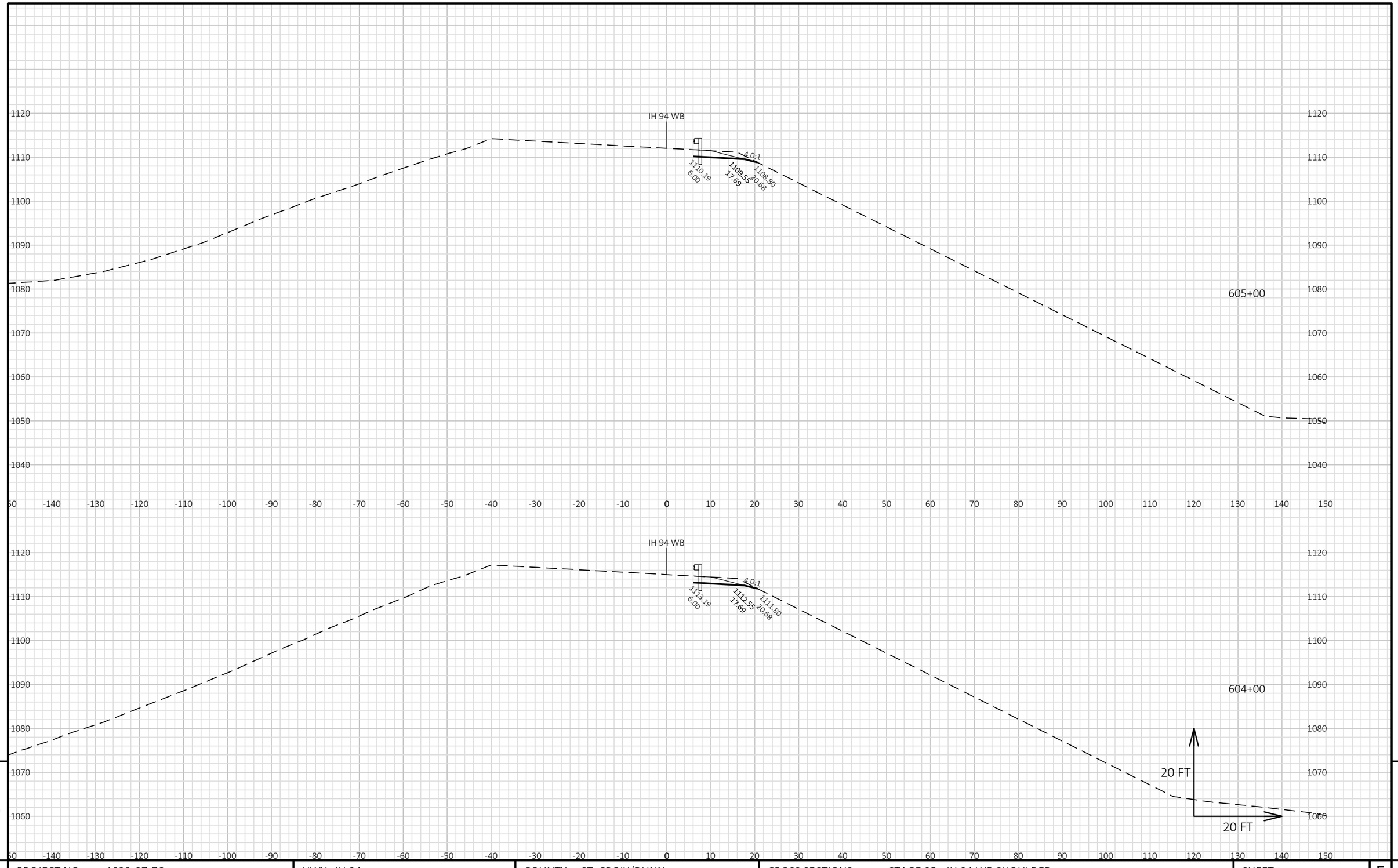
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1835	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090118_XS WB

PLOT DATE : 8/15/2018 10:57 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



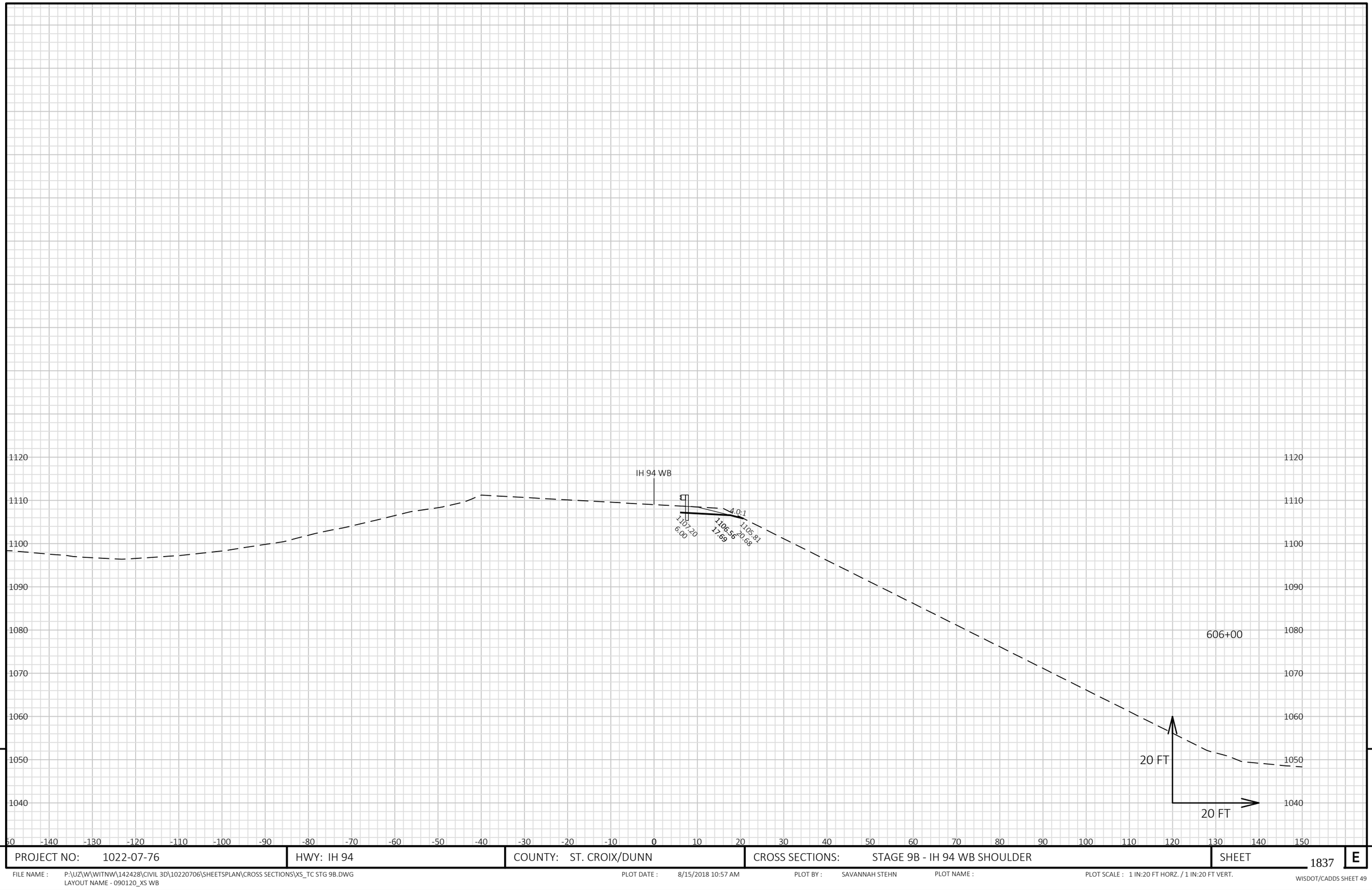
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1836	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090119_XS WB

PLOT DATE : 8/15/2018 10:57 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



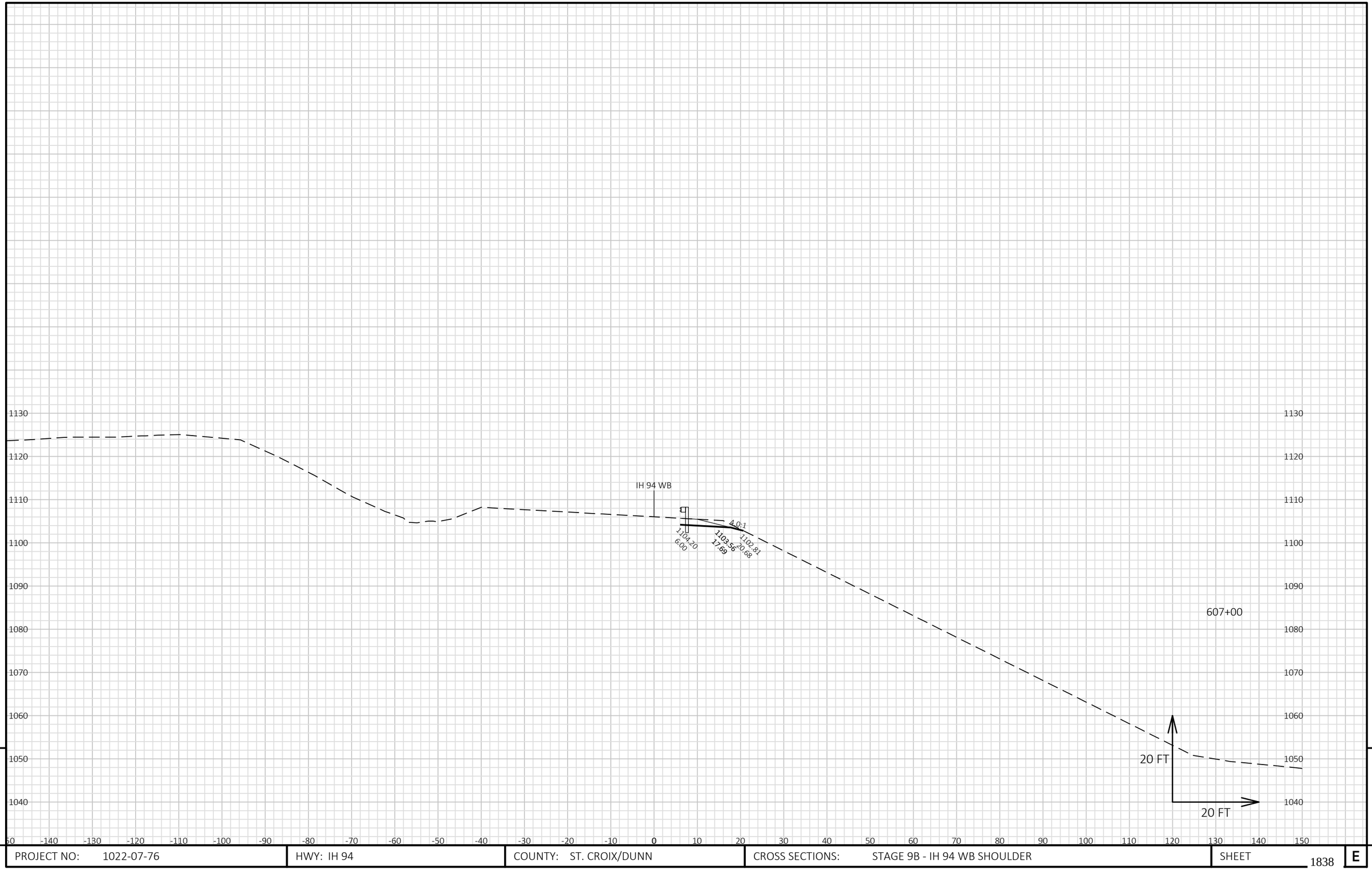
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1837	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090120_XS WB

PLOT DATE : 8/15/2018 10:57 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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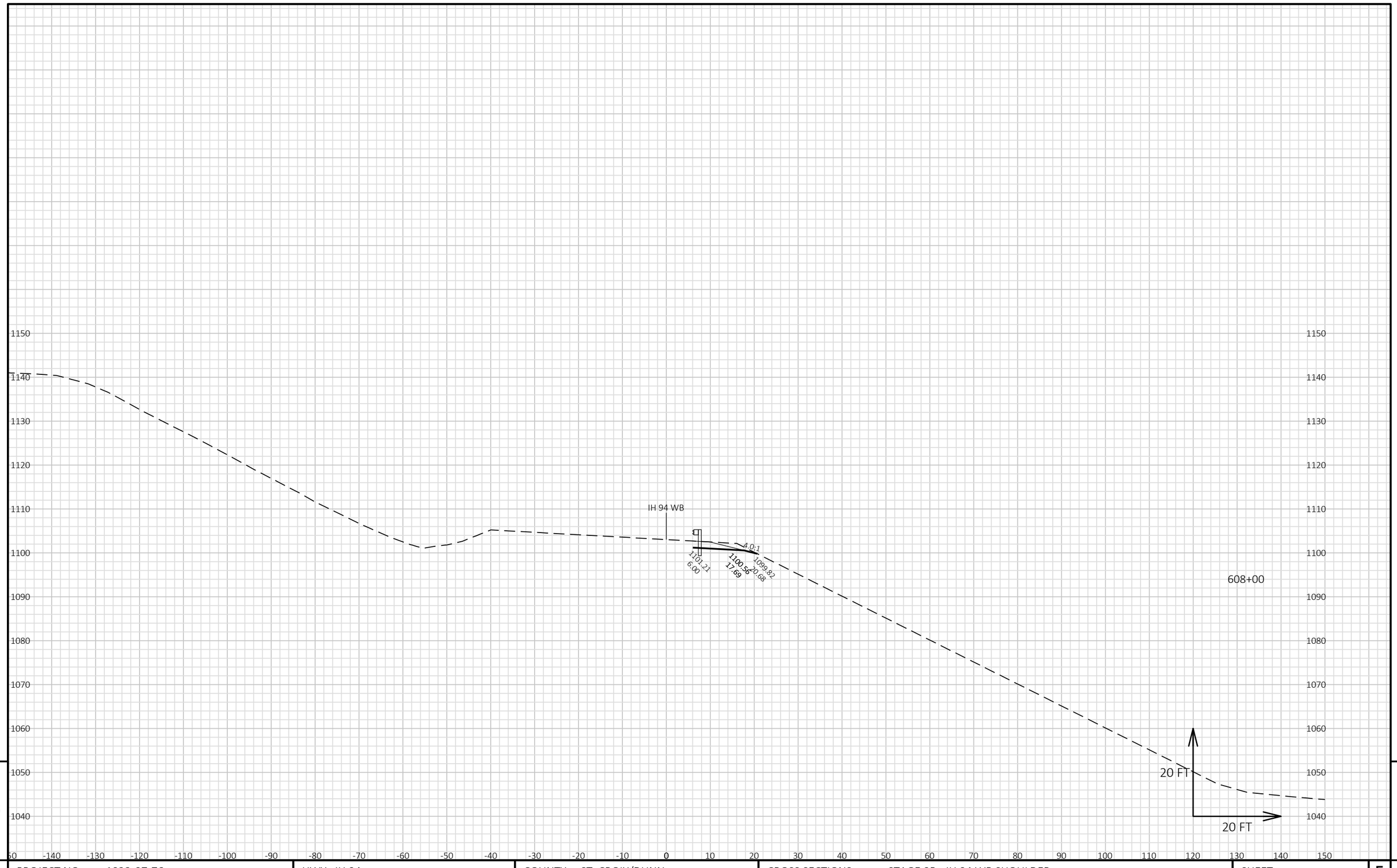
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1838	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090121_XS WB

PLOT DATE : 8/15/2018 10:57 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



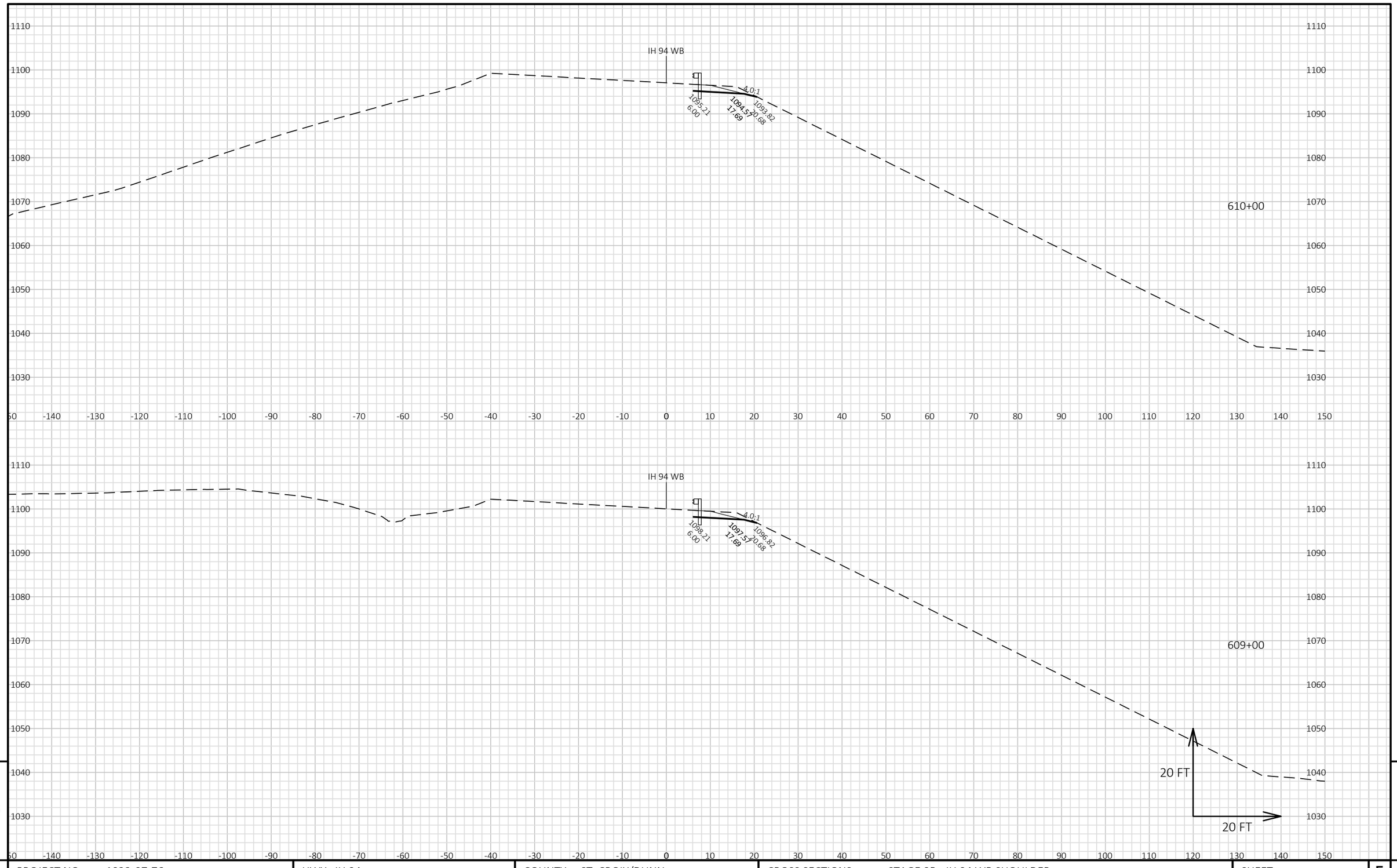
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1839	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090122_XS WB

PLOT DATE : 8/15/2018 10:57 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



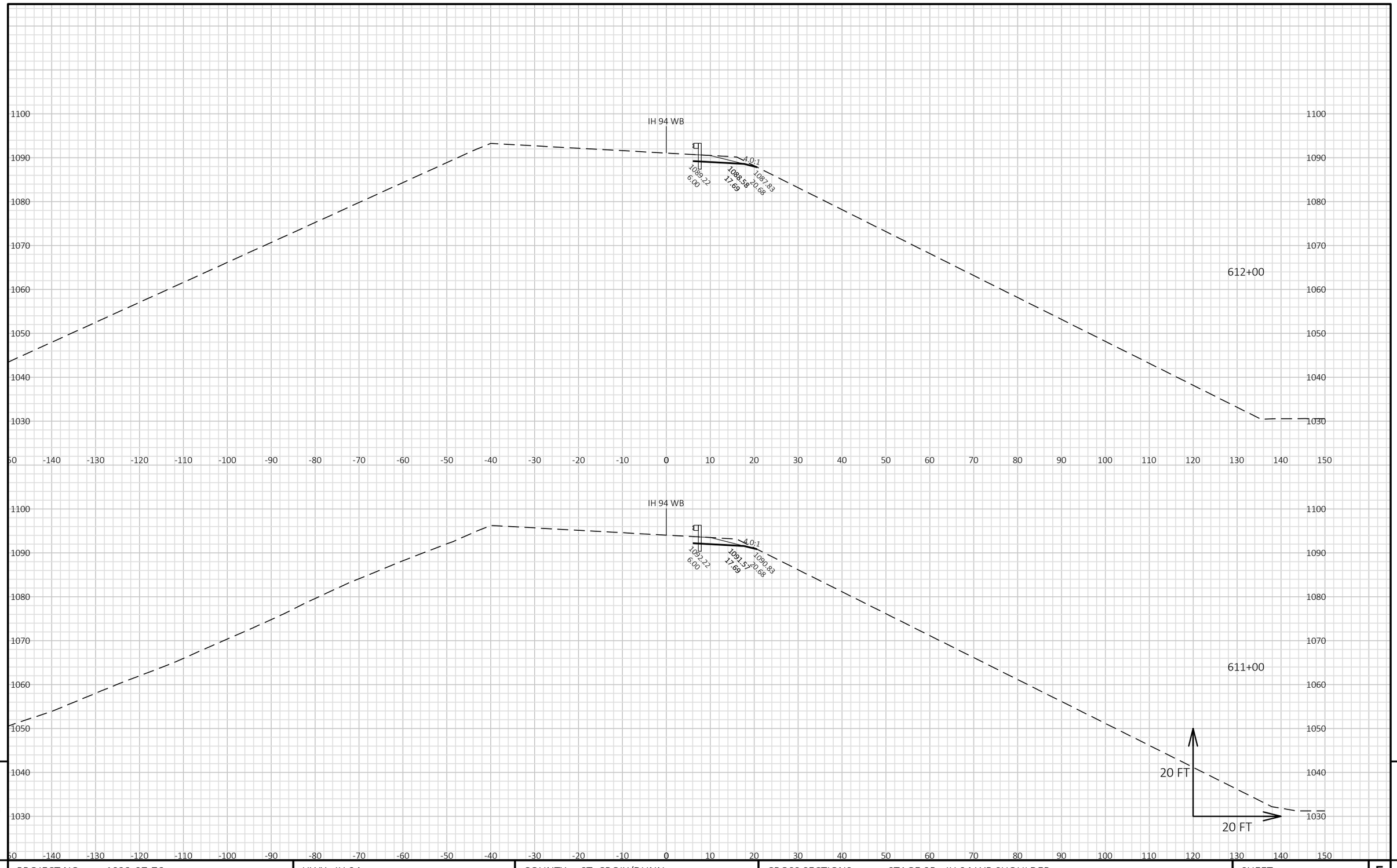
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1840	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090123_XS WB

PLOT DATE : 8/15/2018 10:57 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



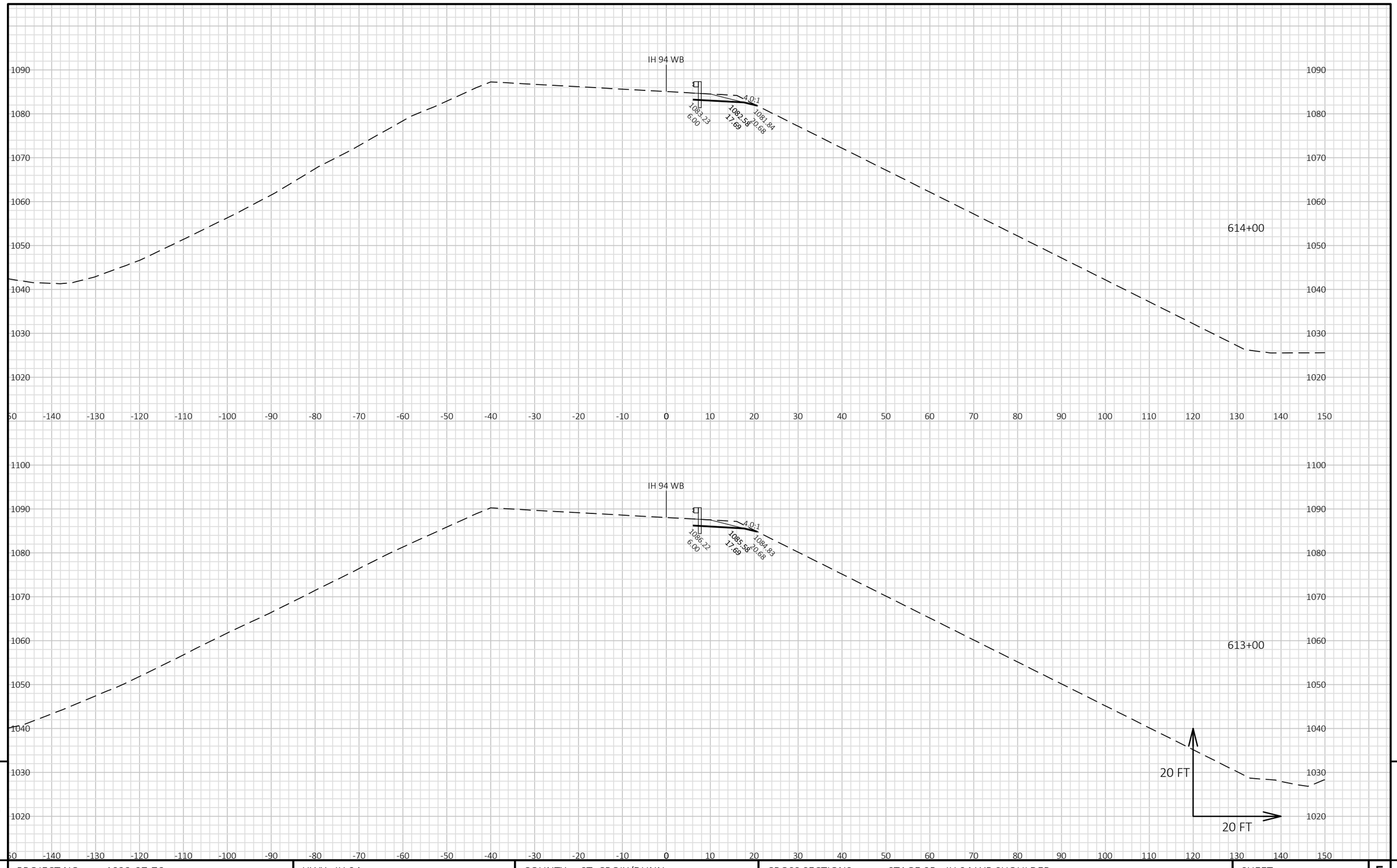
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1841	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090124_XS WB

PLOT DATE : 8/15/2018 10:58 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



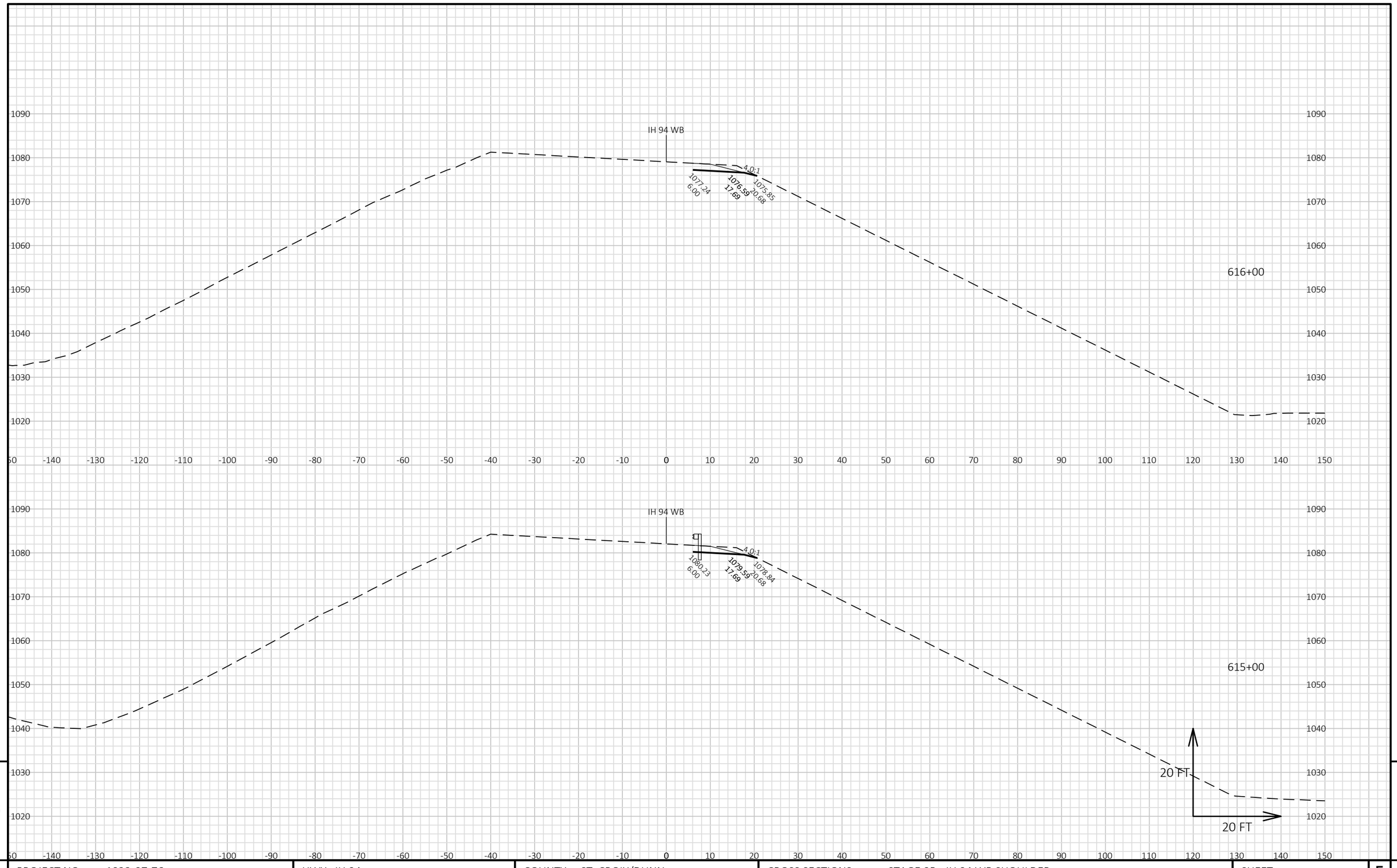
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1842	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090125_XS WB

PLOT DATE : 8/15/2018 10:58 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



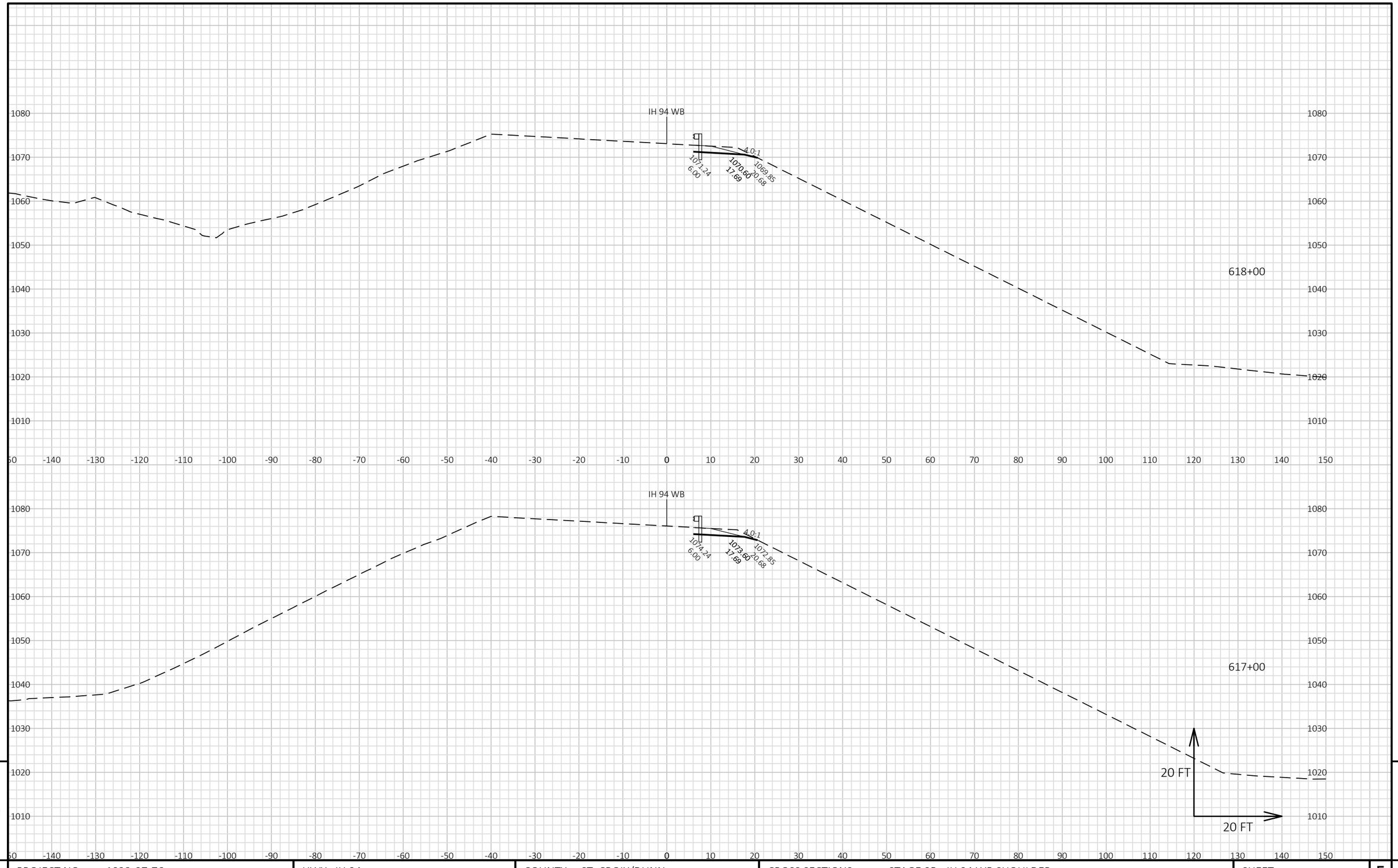
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1843	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090126_XS WB

PLOT DATE : 8/15/2018 10:58 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



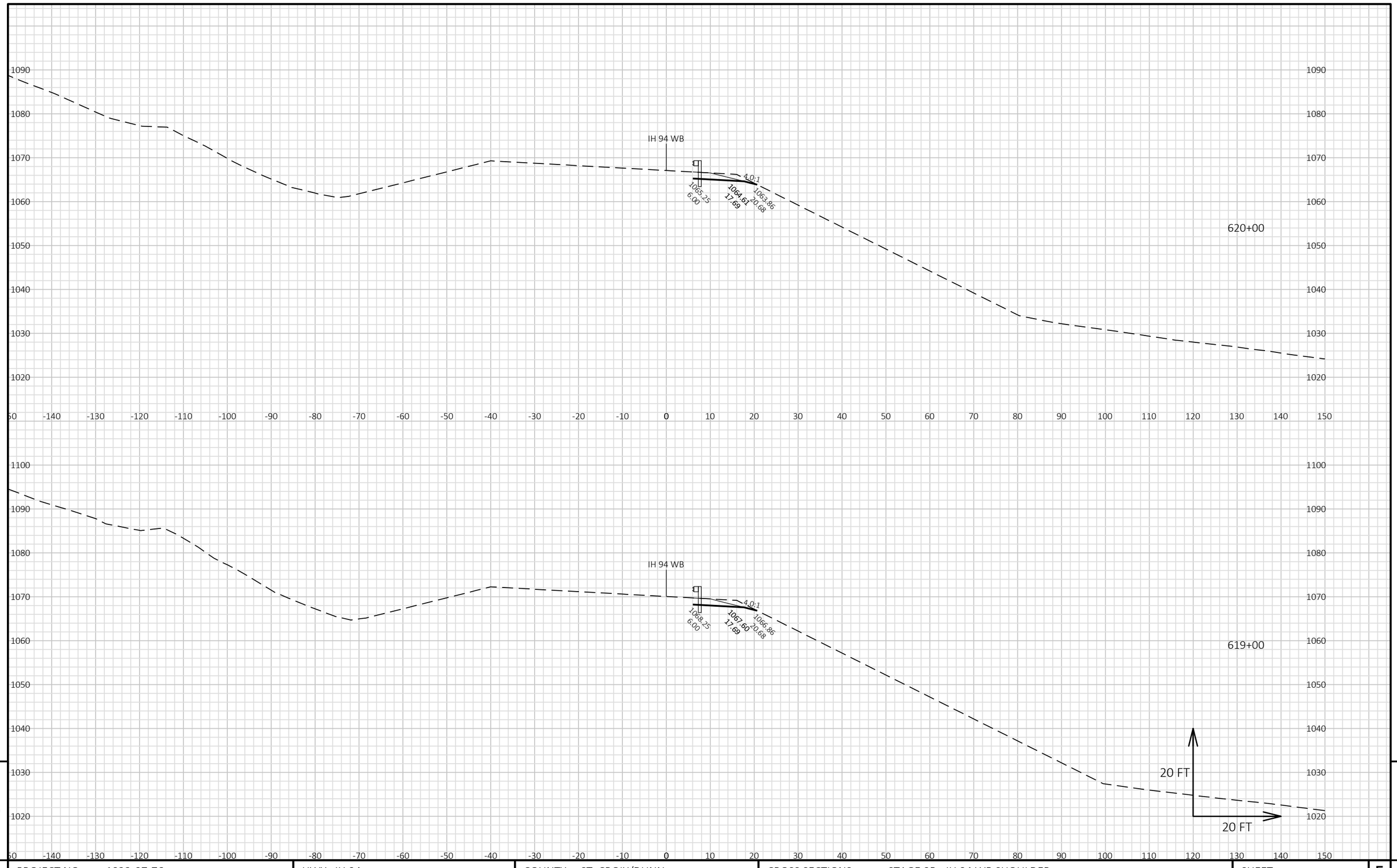
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1844	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090127_XS WB

PLOT DATE : 8/15/2018 10:58 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



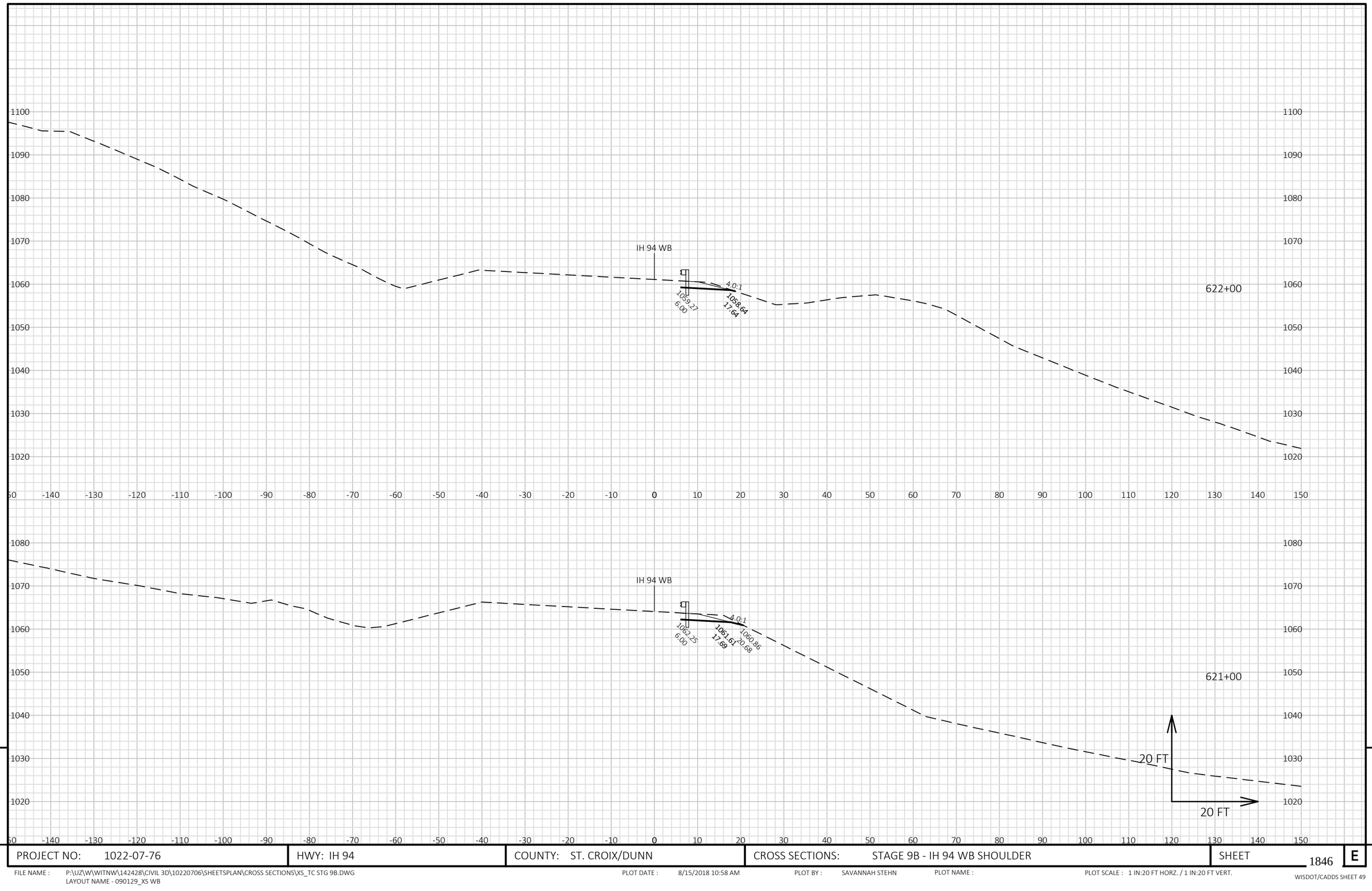
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1845	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090128_XS WB

PLOT DATE : 8/15/2018 10:58 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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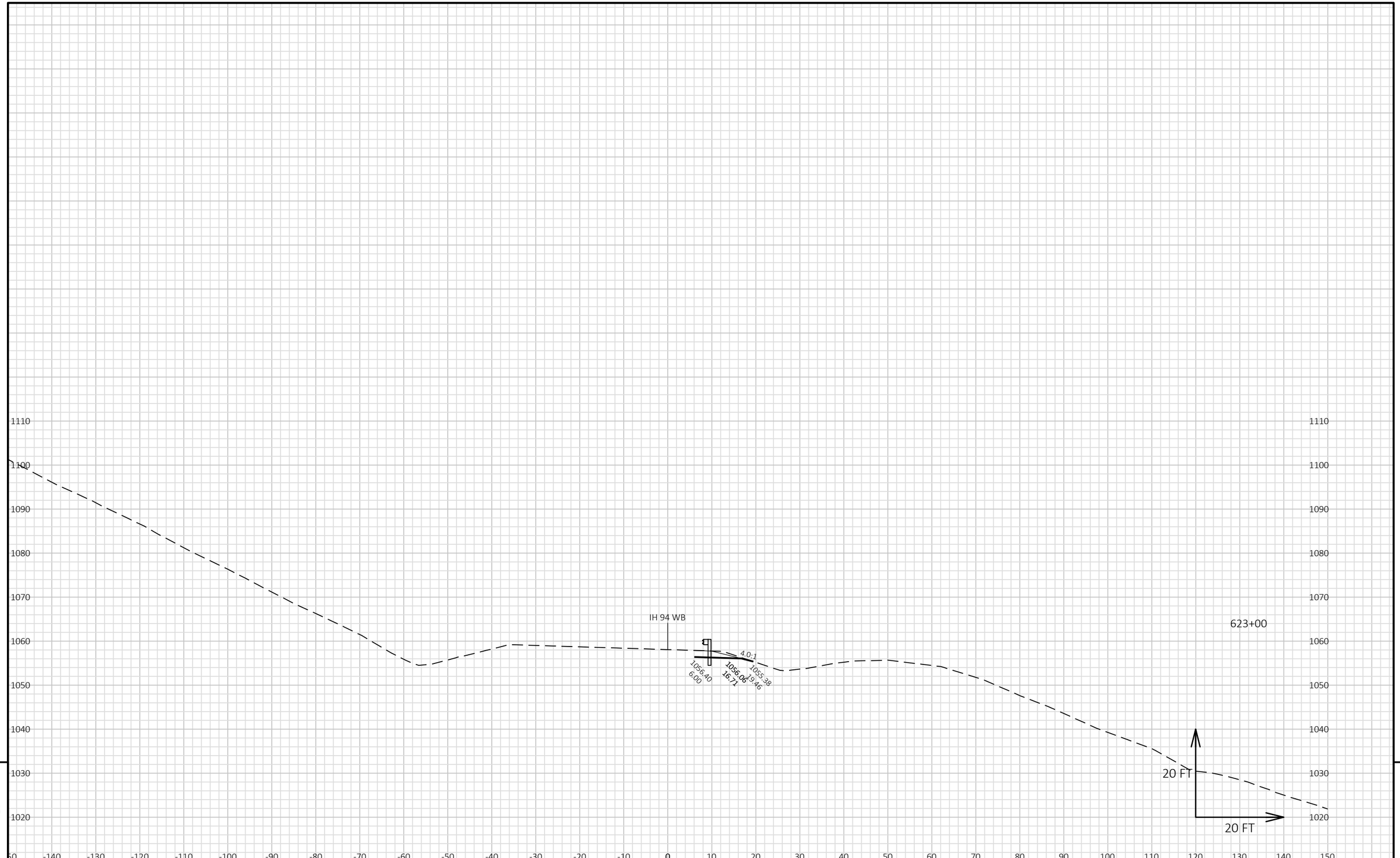
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1846	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090129_XS WB

PLOT DATE : 8/15/2018 10:58 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



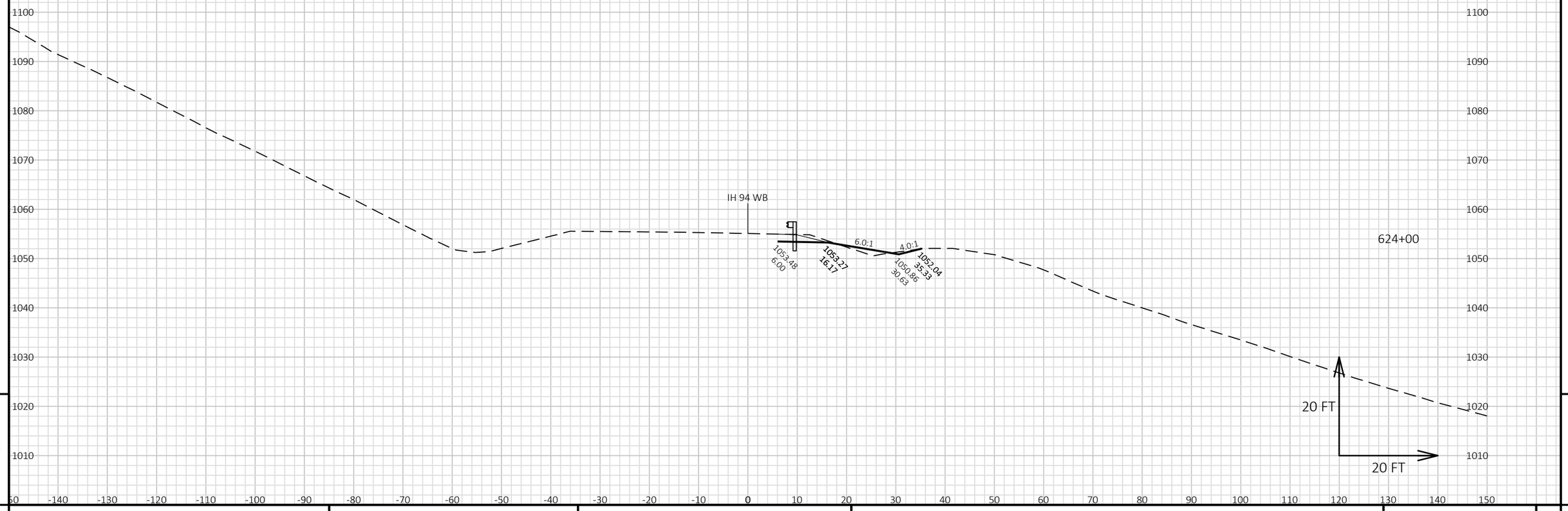
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1847	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090130_XS WB

PLOT DATE : 8/15/2018 10:59 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



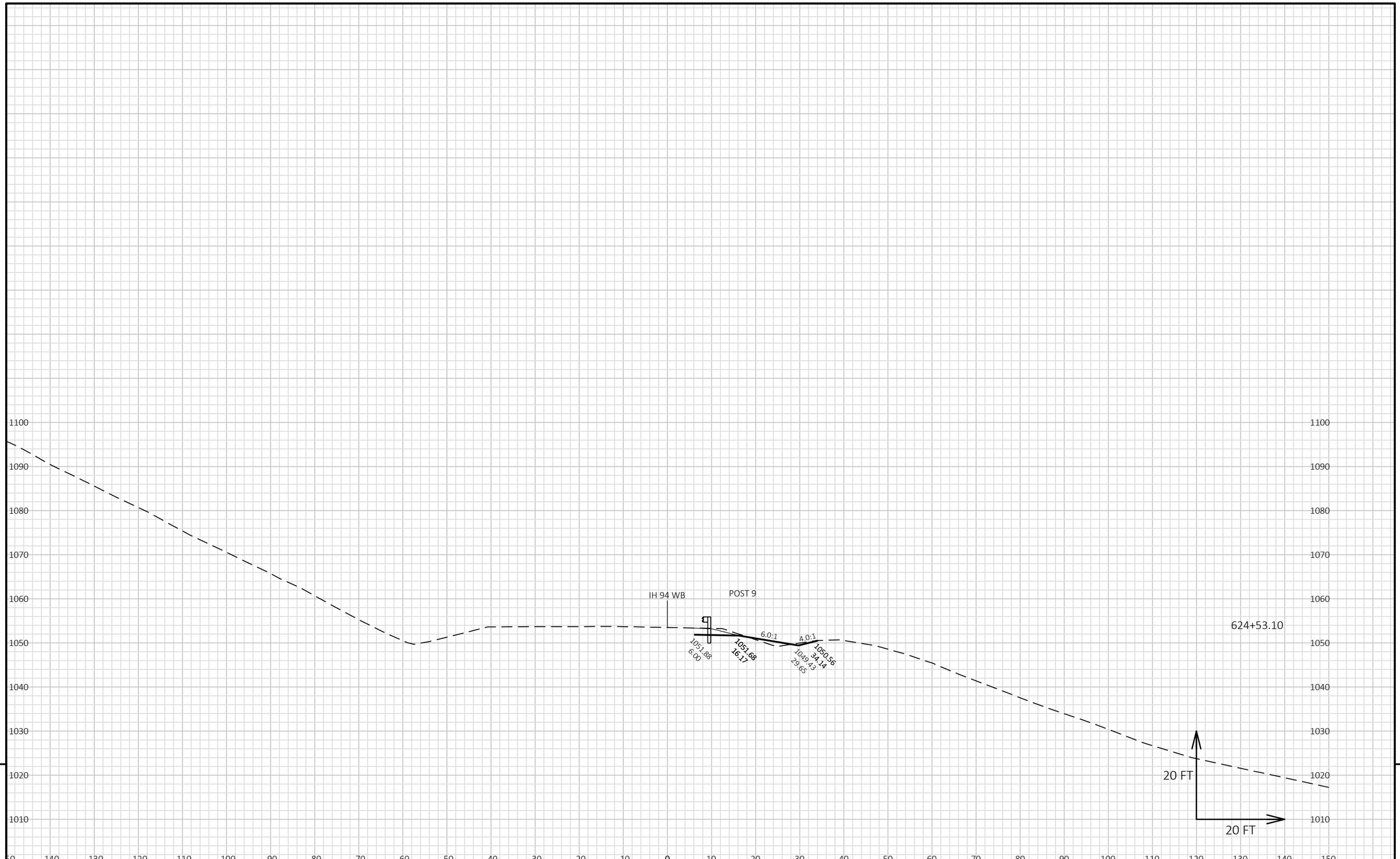
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1848	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090131_XS WB

PLOT DATE : 8/15/2018 10:59 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



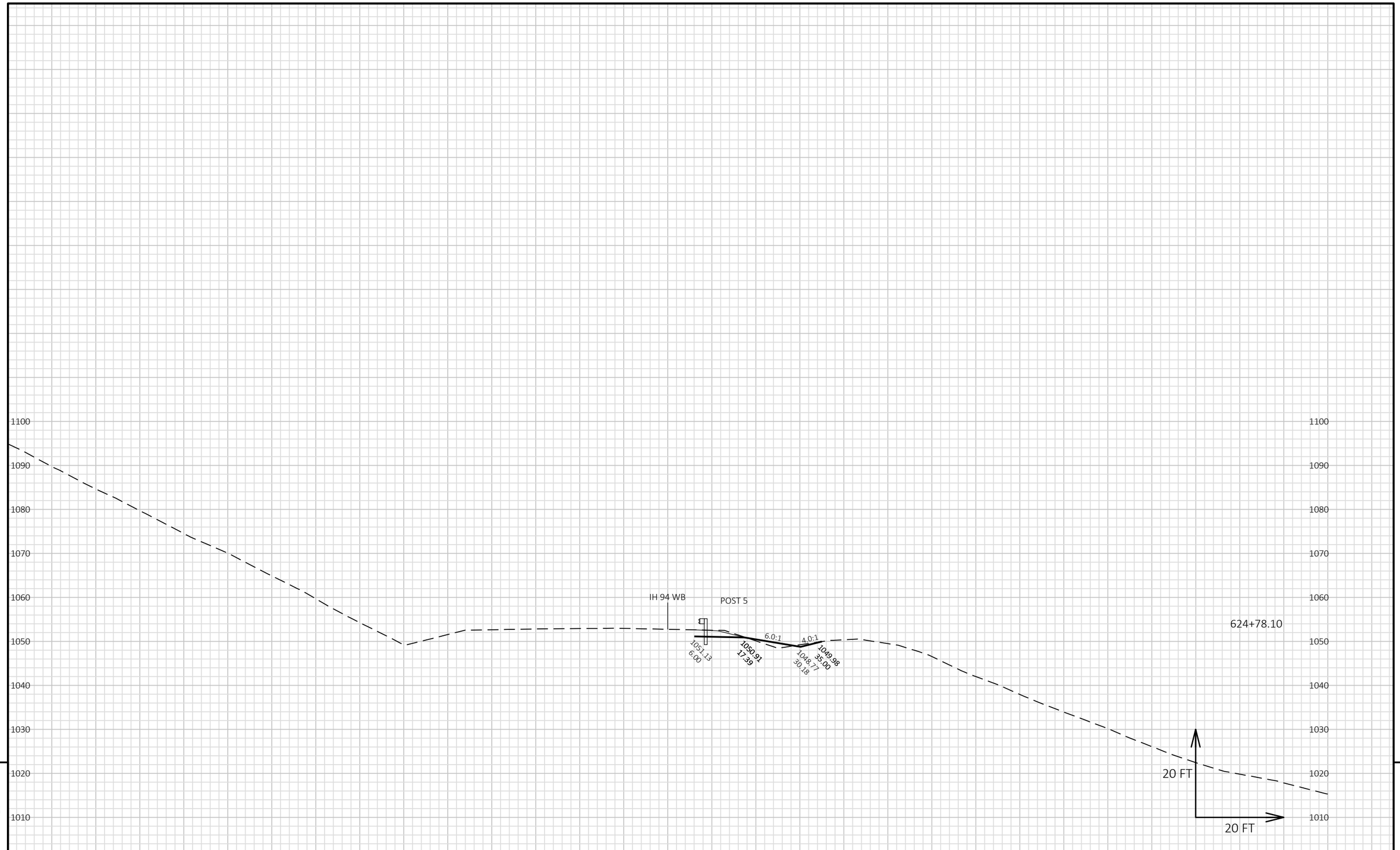
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1849	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090132_XS WB

PLOT DATE : 8/15/2018 10:59 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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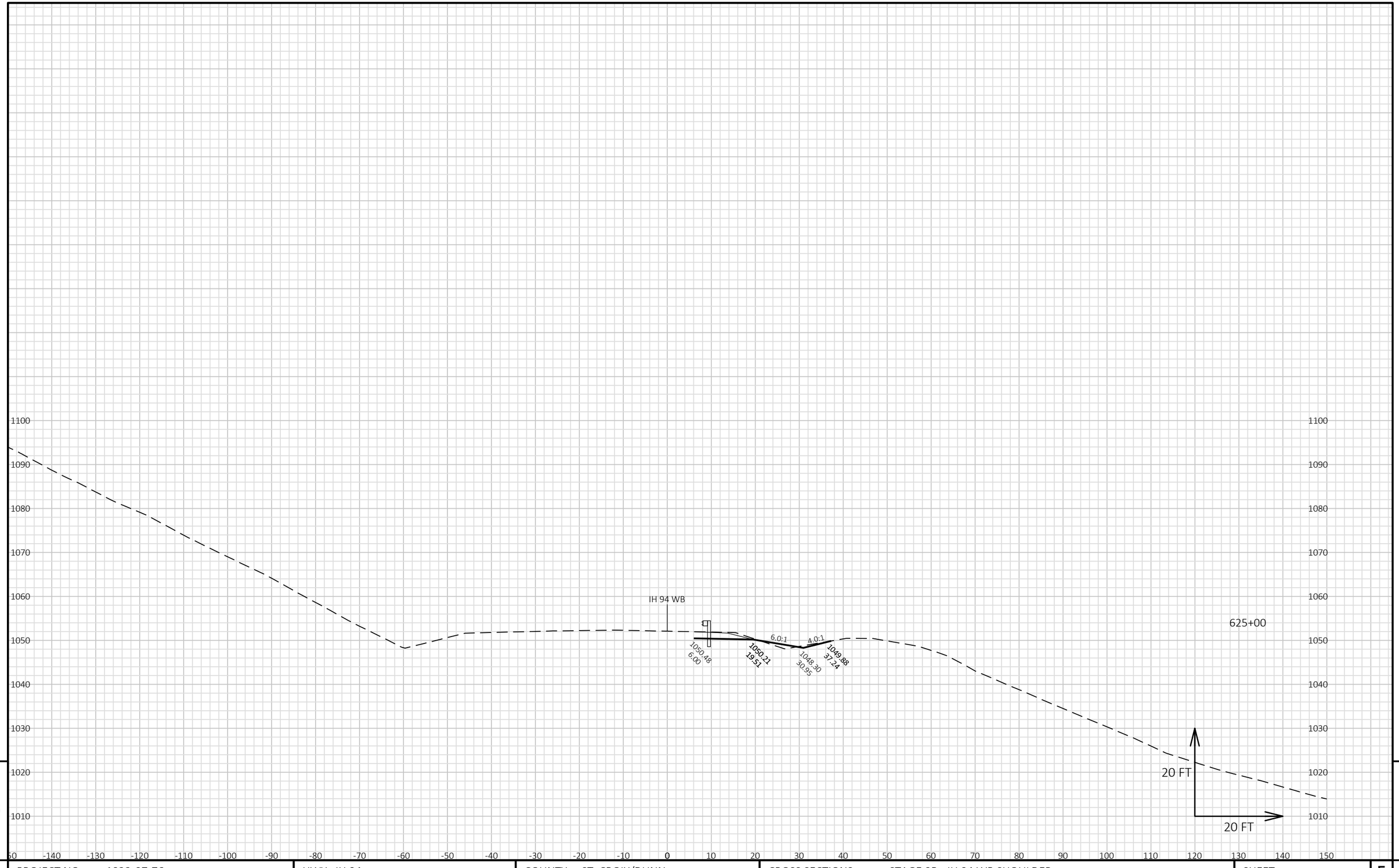
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1850	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090133_XS WB

PLOT DATE : 8/15/2018 10:59 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



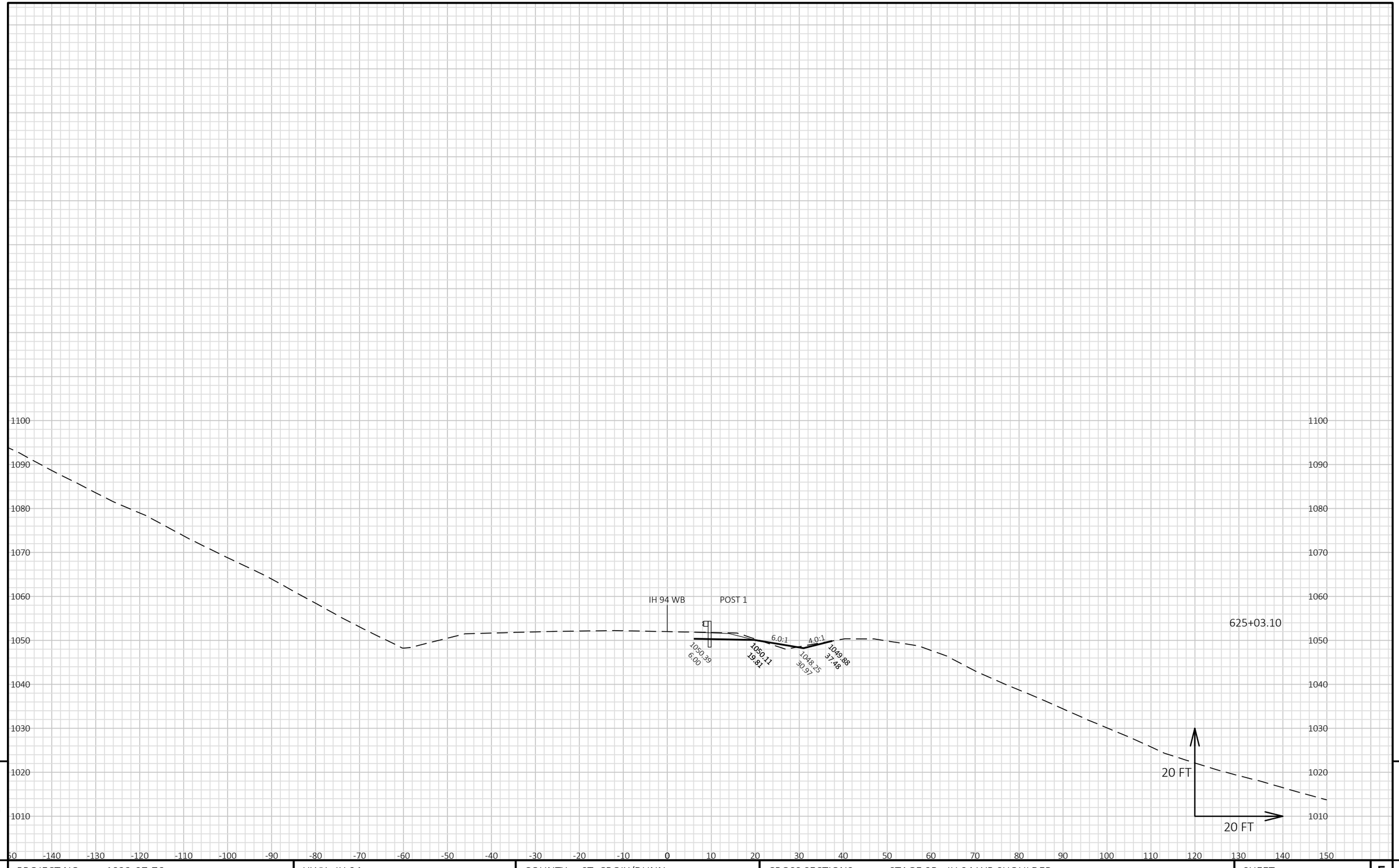
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1851	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090134_XS WB

PLOT DATE : 8/15/2018 10:59 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



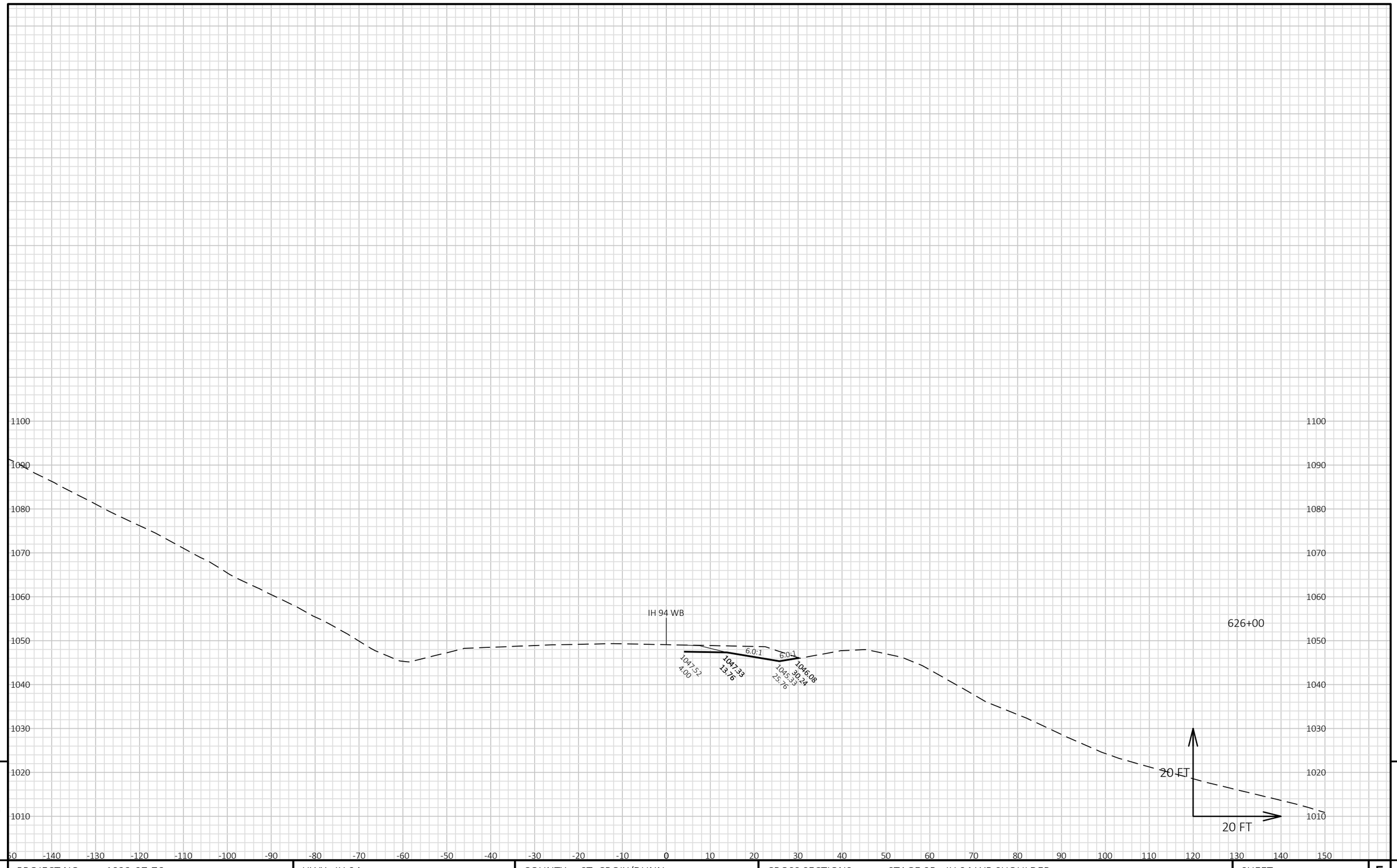
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1852	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090135_XS WB

PLOT DATE : 8/15/2018 10:59 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



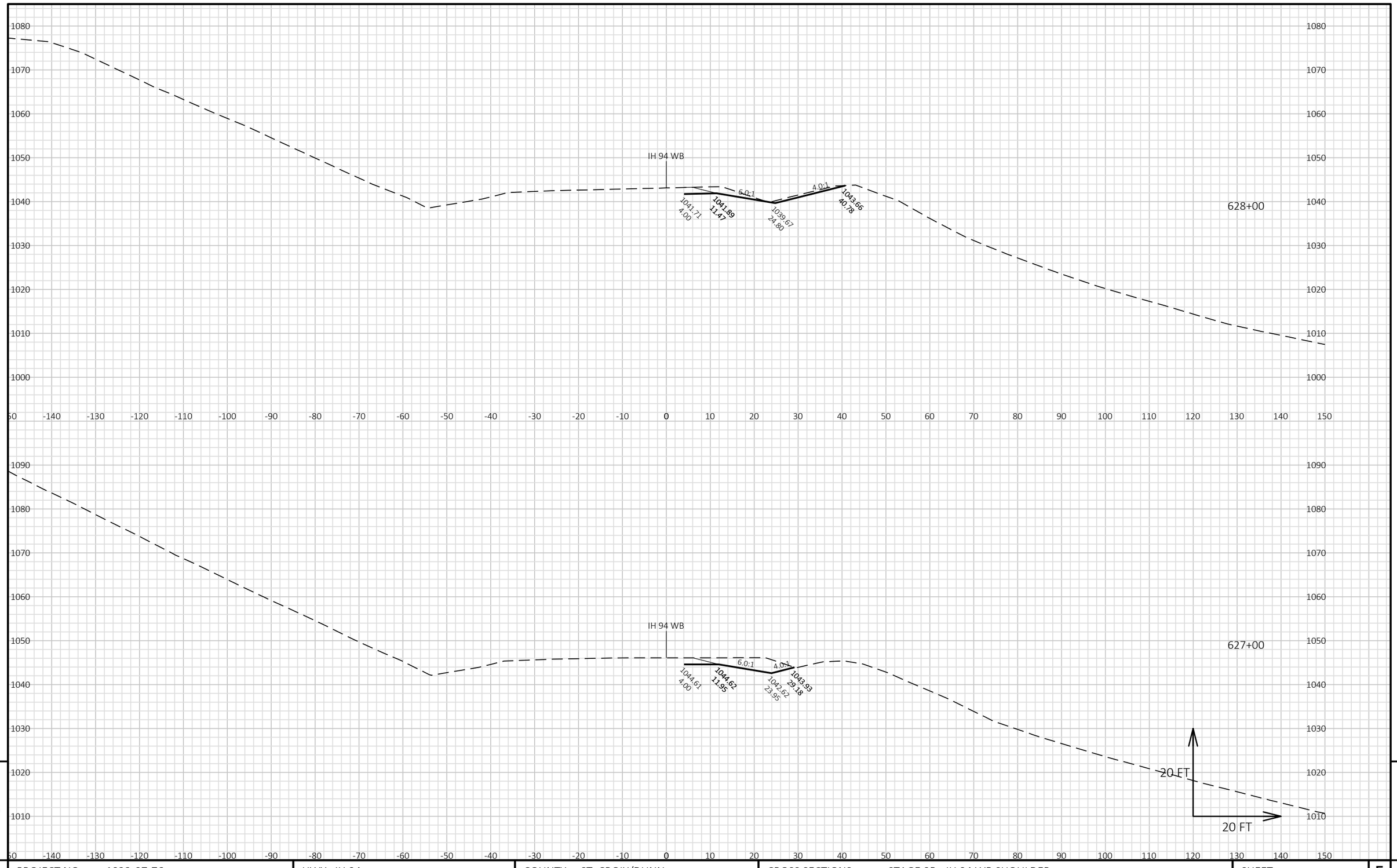
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1853	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090136_XS WB

PLOT DATE : 8/15/2018 11:00 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



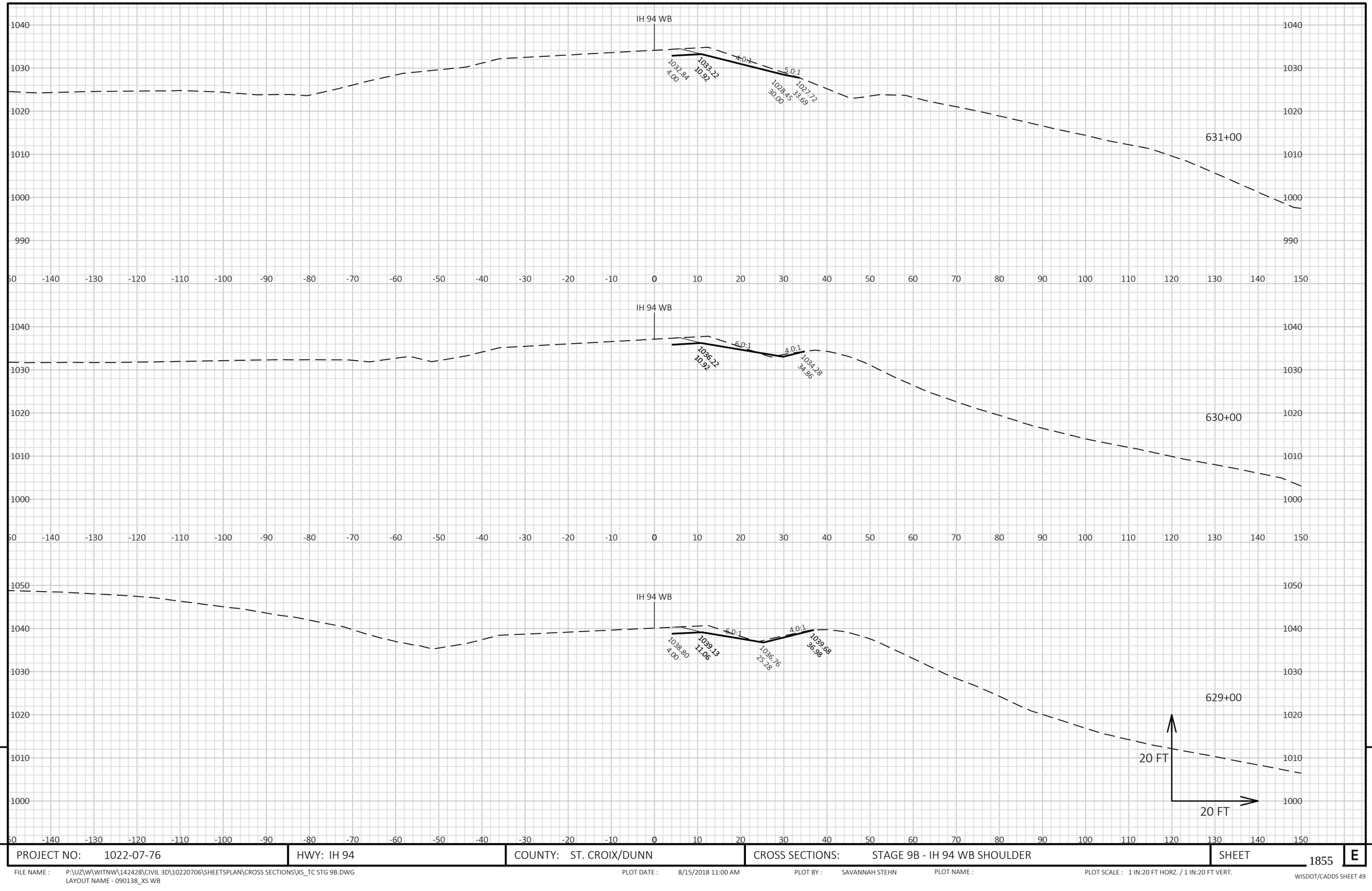
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1854	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090137_XS WB

PLOT DATE : 8/15/2018 11:00 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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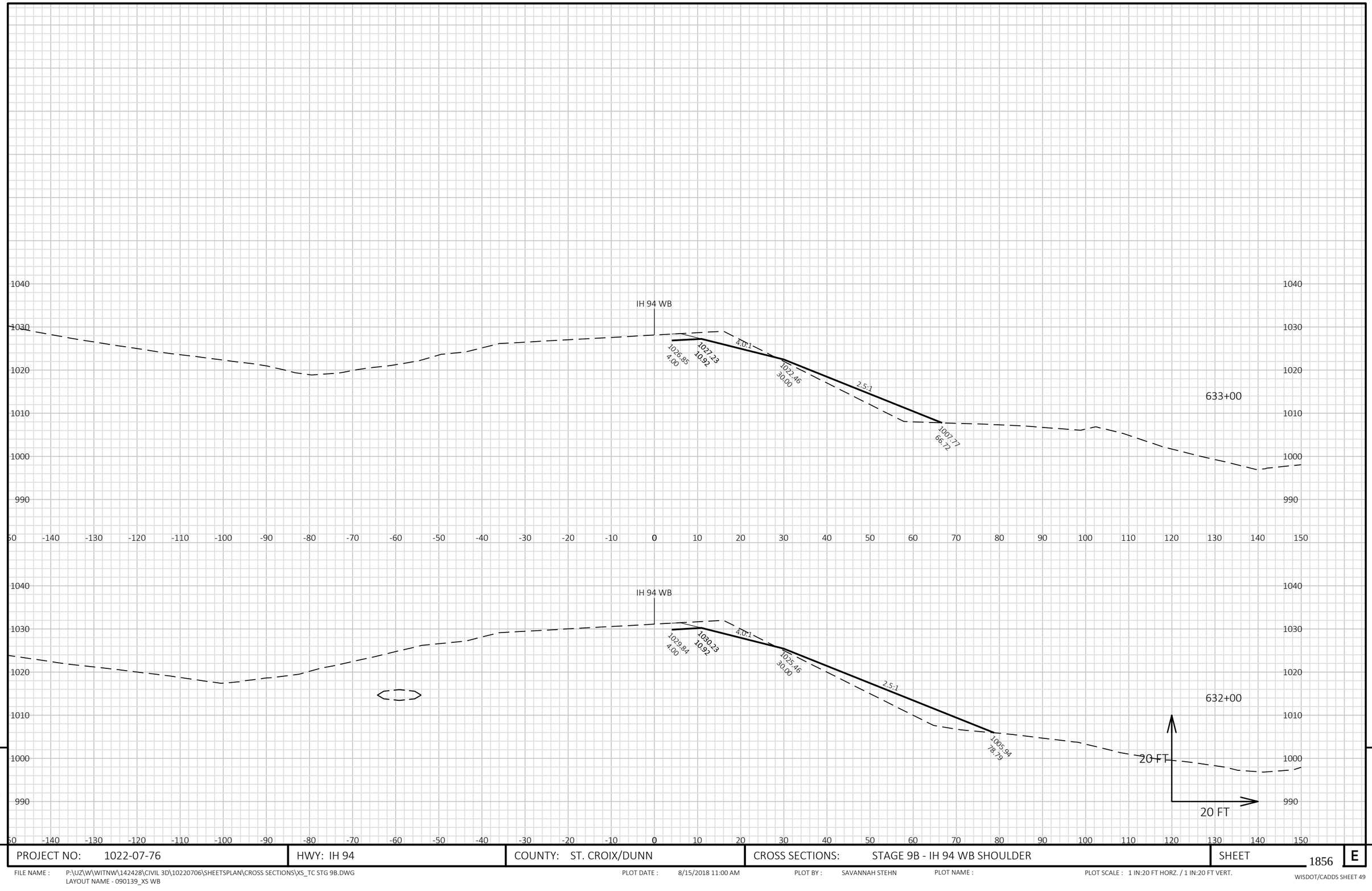
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1855	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090138_XS WB

PLOT DATE : 8/15/2018 11:00 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



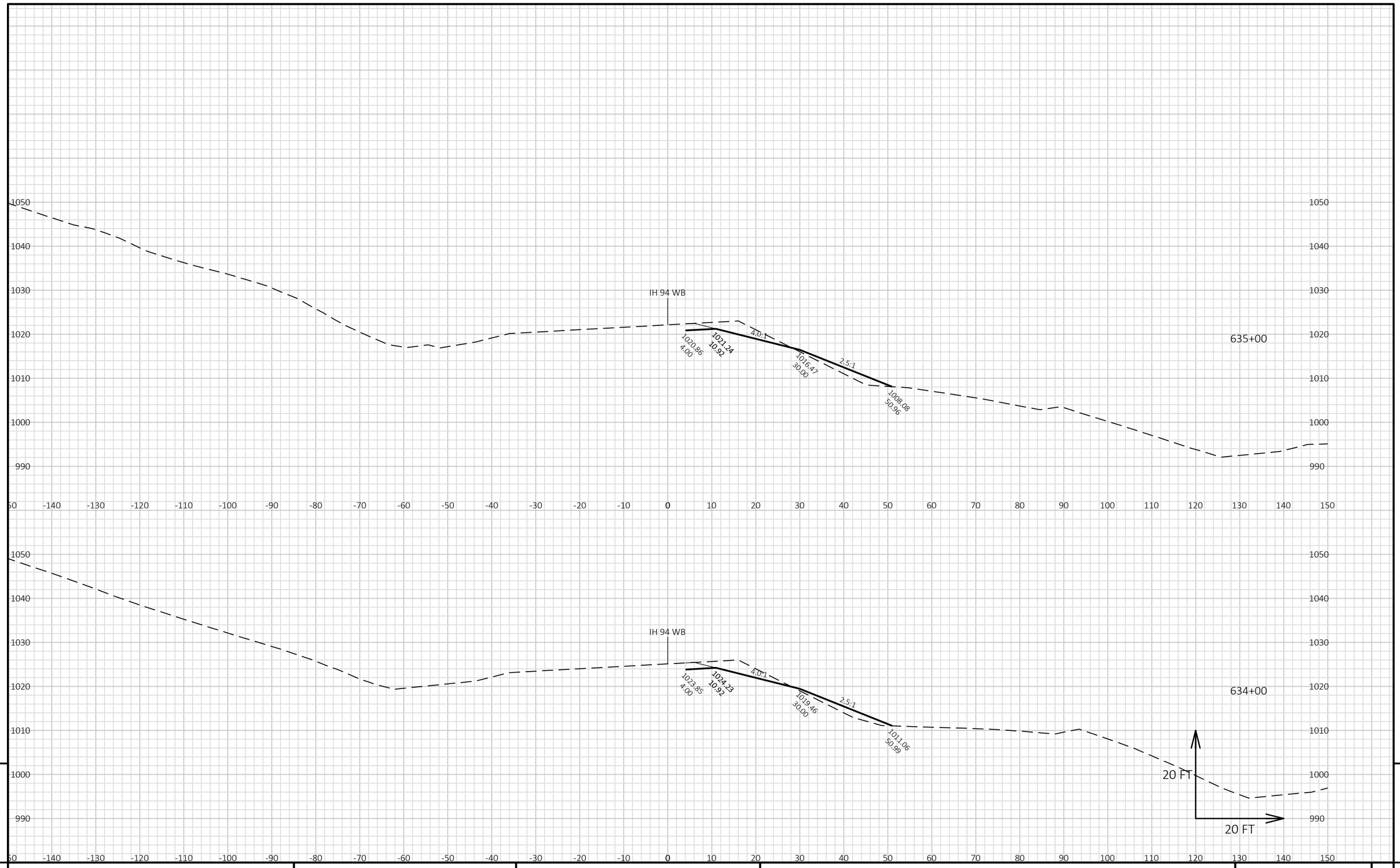
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1856	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090139_XS WB

PLOT DATE : 8/15/2018 11:00 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



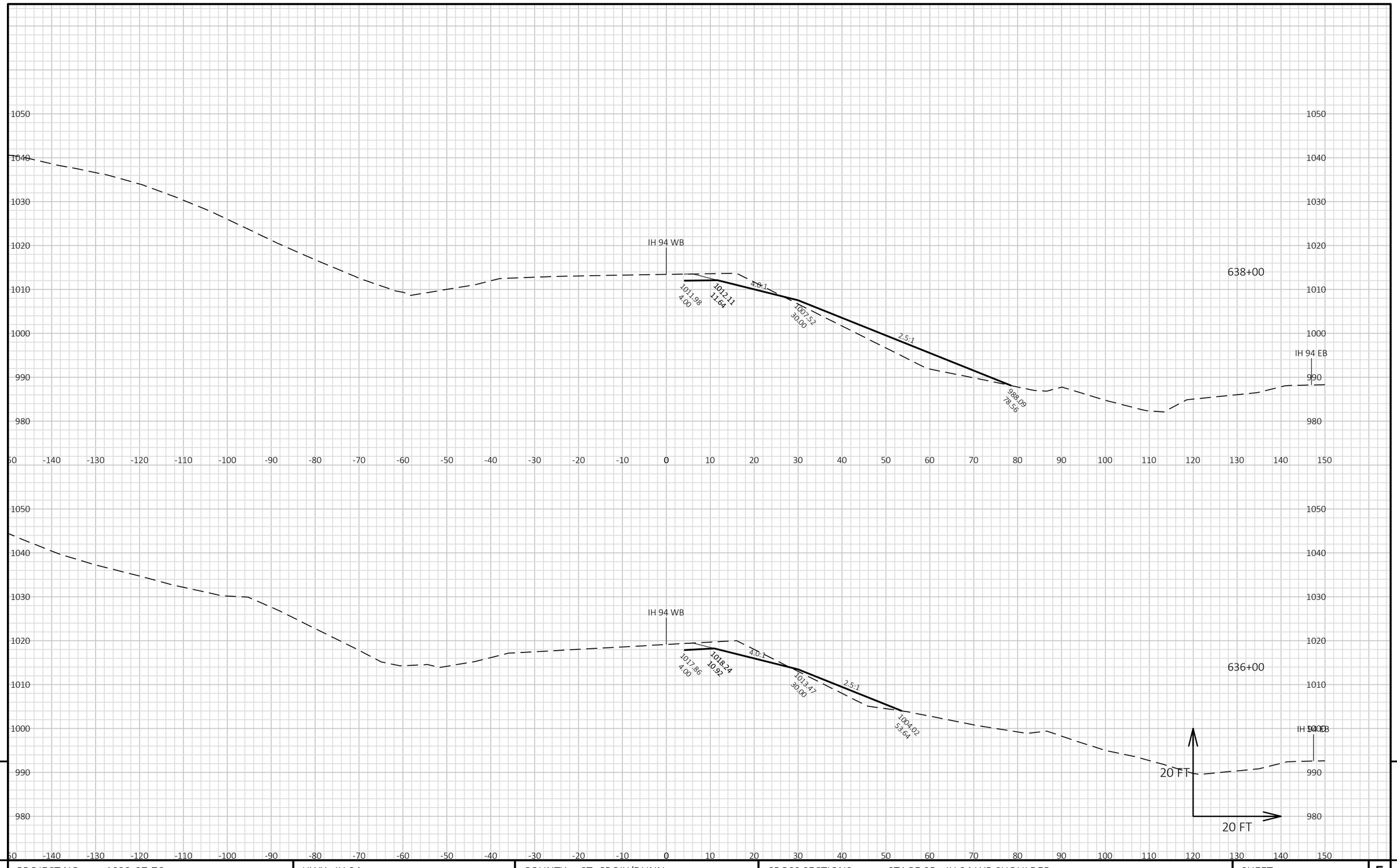
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1857	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090140_XS WB

PLOT DATE : 8/15/2018 11:00 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



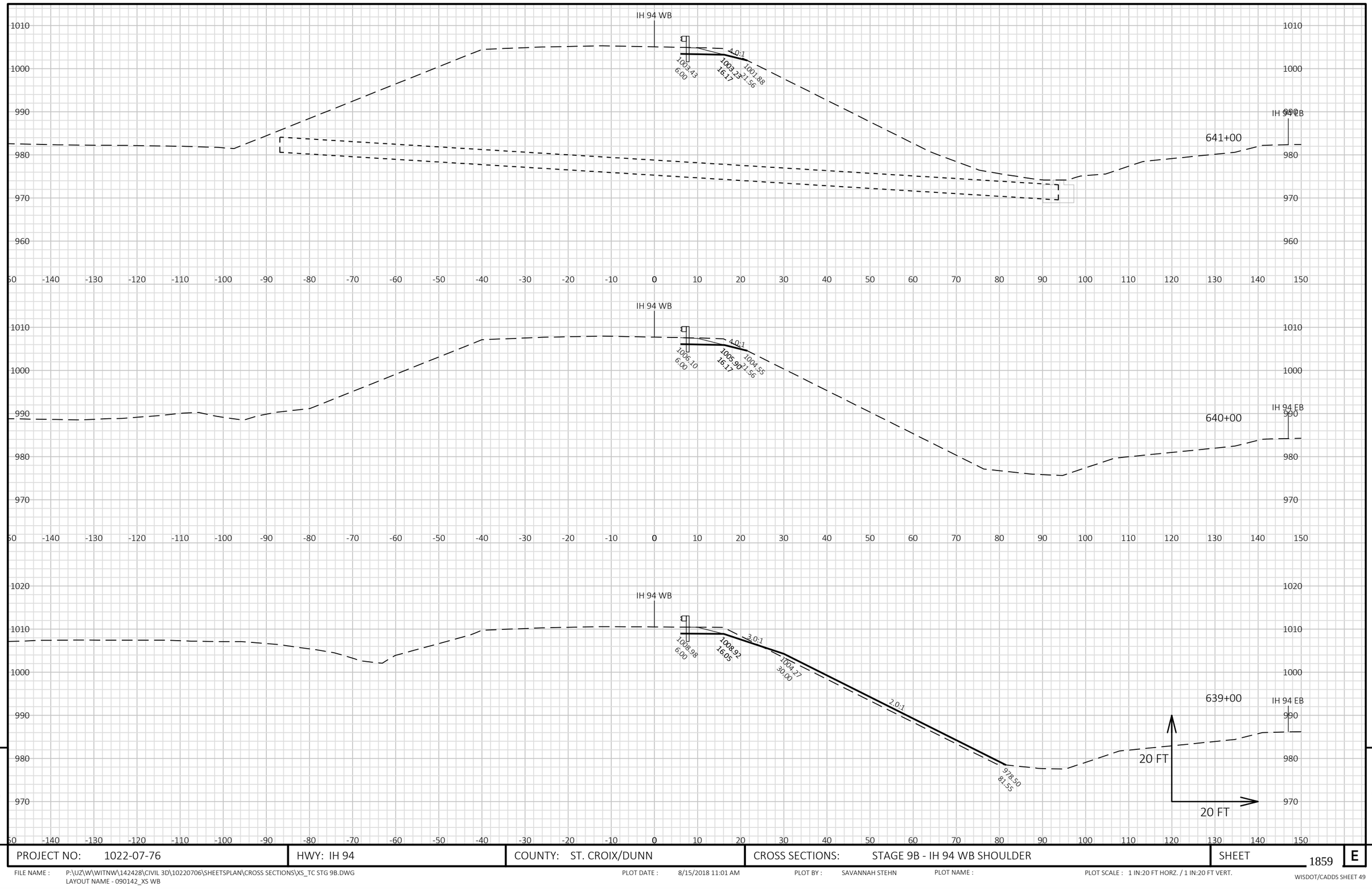
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1858	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090141_XS WB

PLOT DATE : 8/15/2018 11:00 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



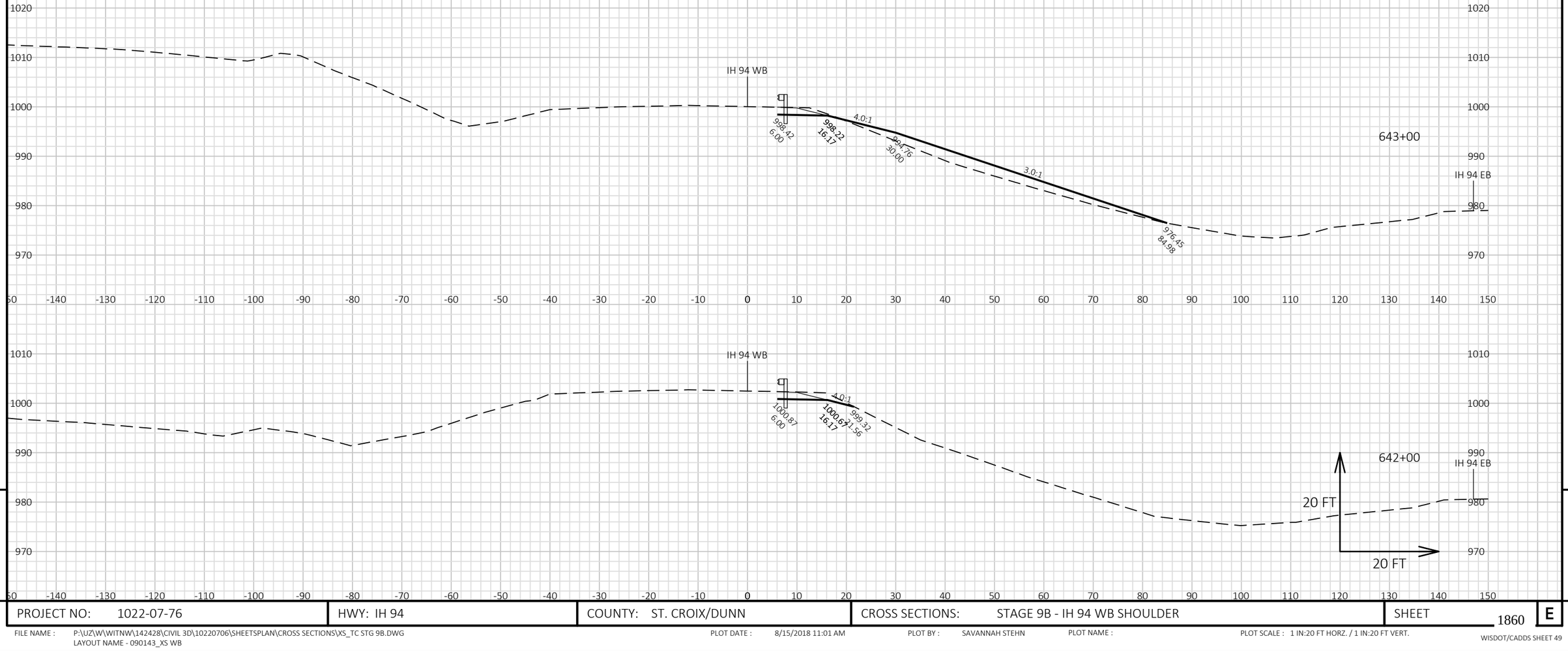
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1859	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090142_XS WB

PLOT DATE : 8/15/2018 11:01 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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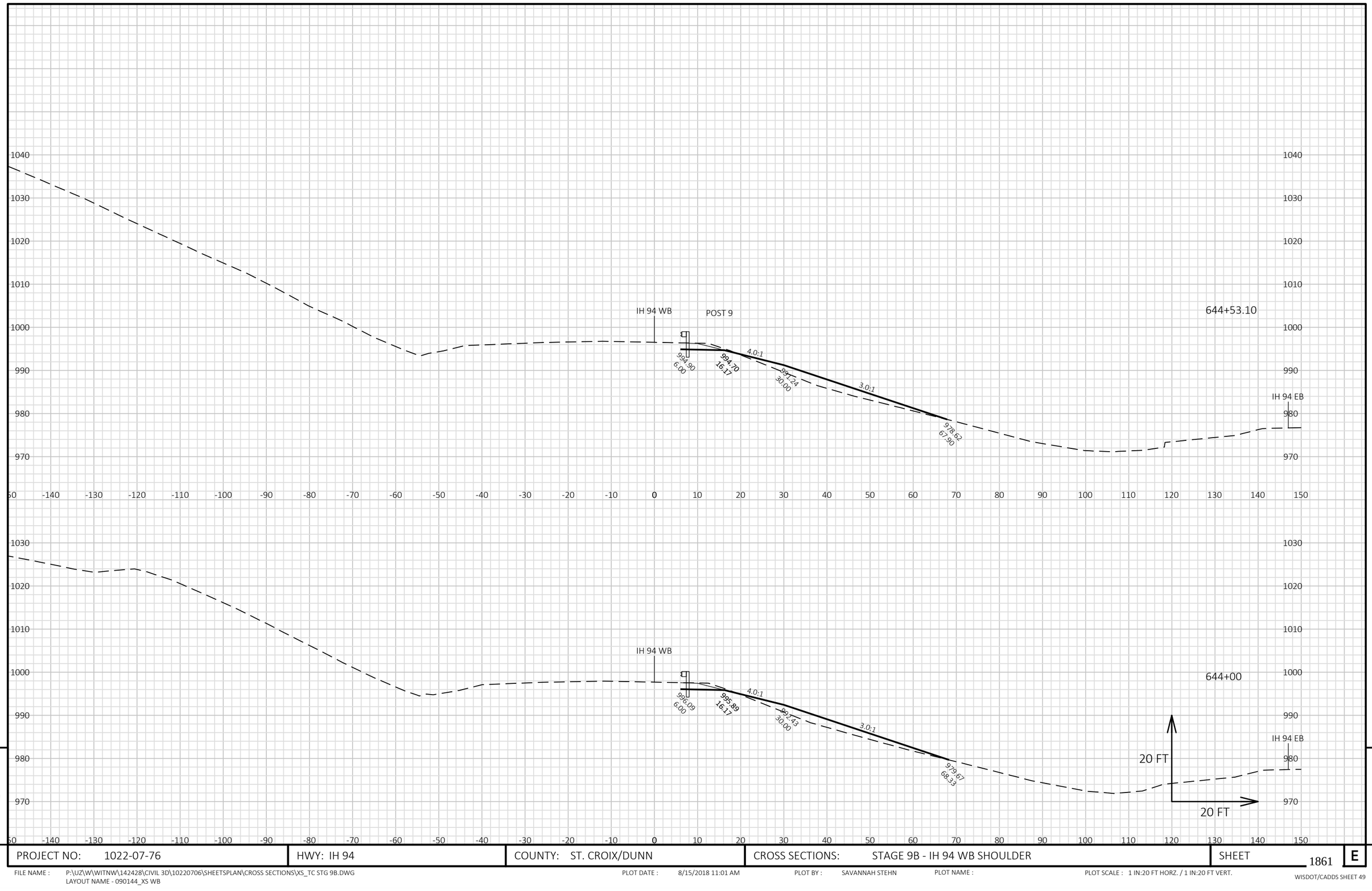
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1860	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090143_XS WB

PLOT DATE : 8/15/2018 11:01 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



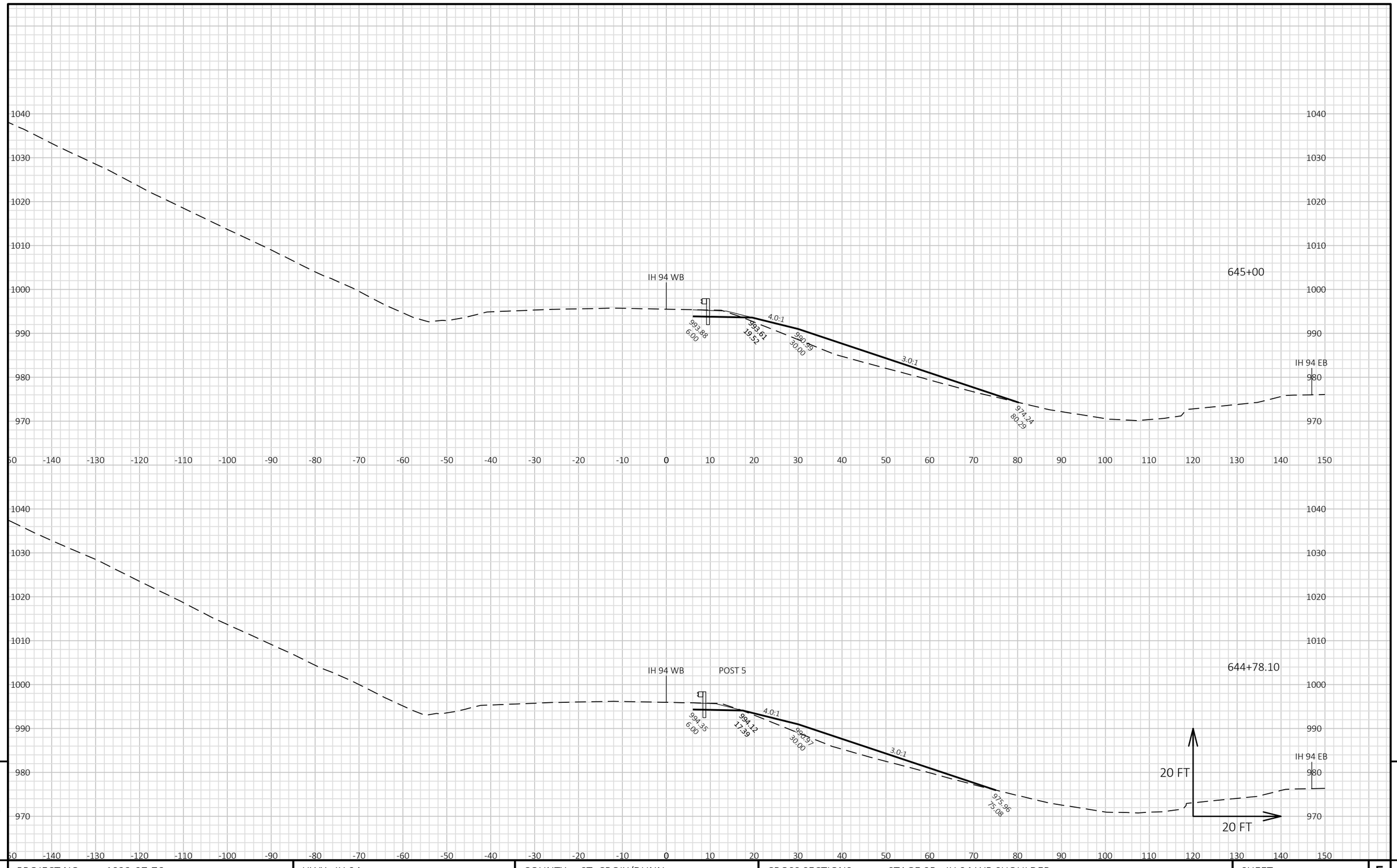
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1861	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090144_XS WB

PLOT DATE : 8/15/2018 11:01 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



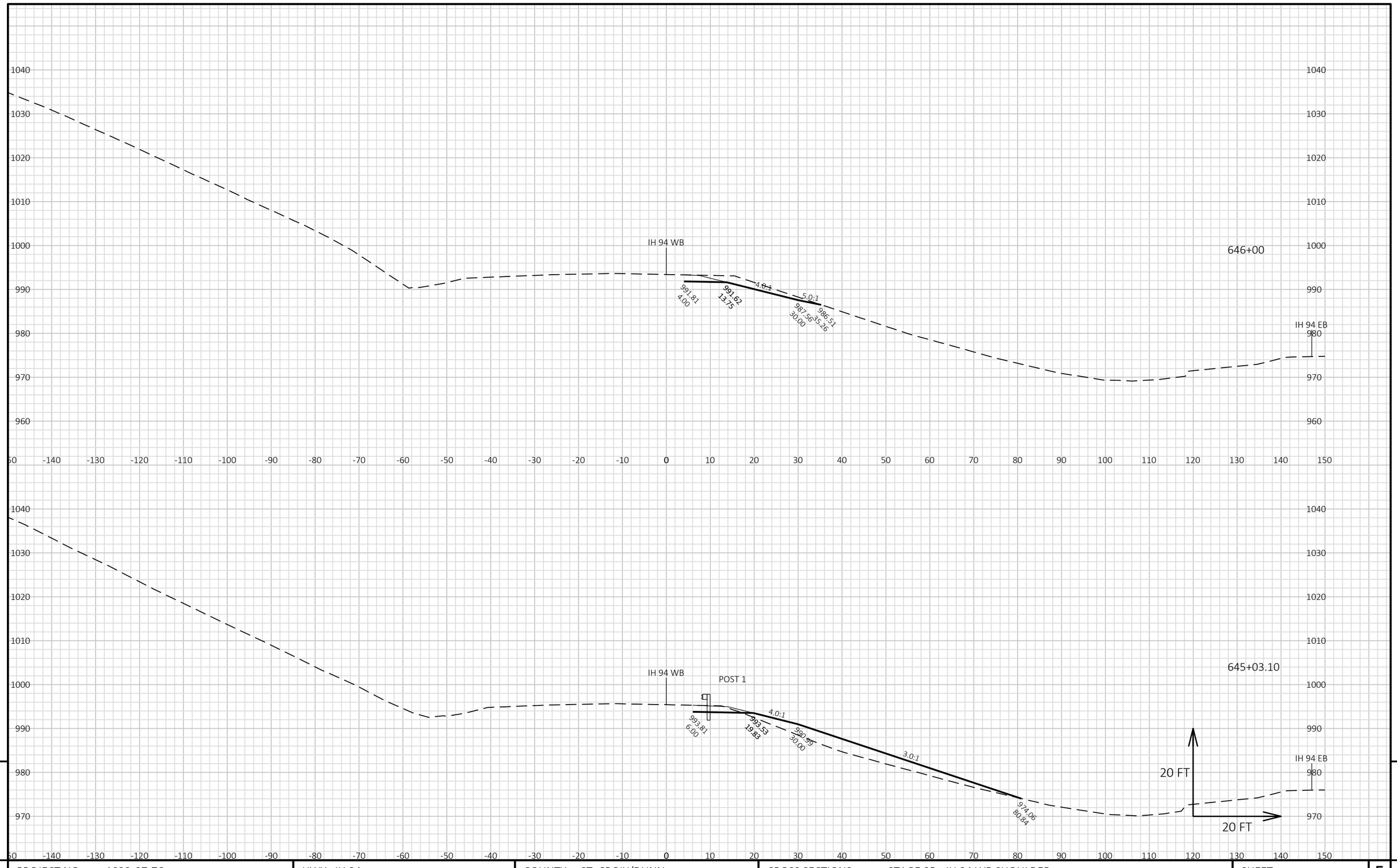
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1862	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090145_XS WB

PLOT DATE : 8/15/2018 11:01 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1863	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090146_XS WB

PLOT DATE : 8/15/2018 11:01 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

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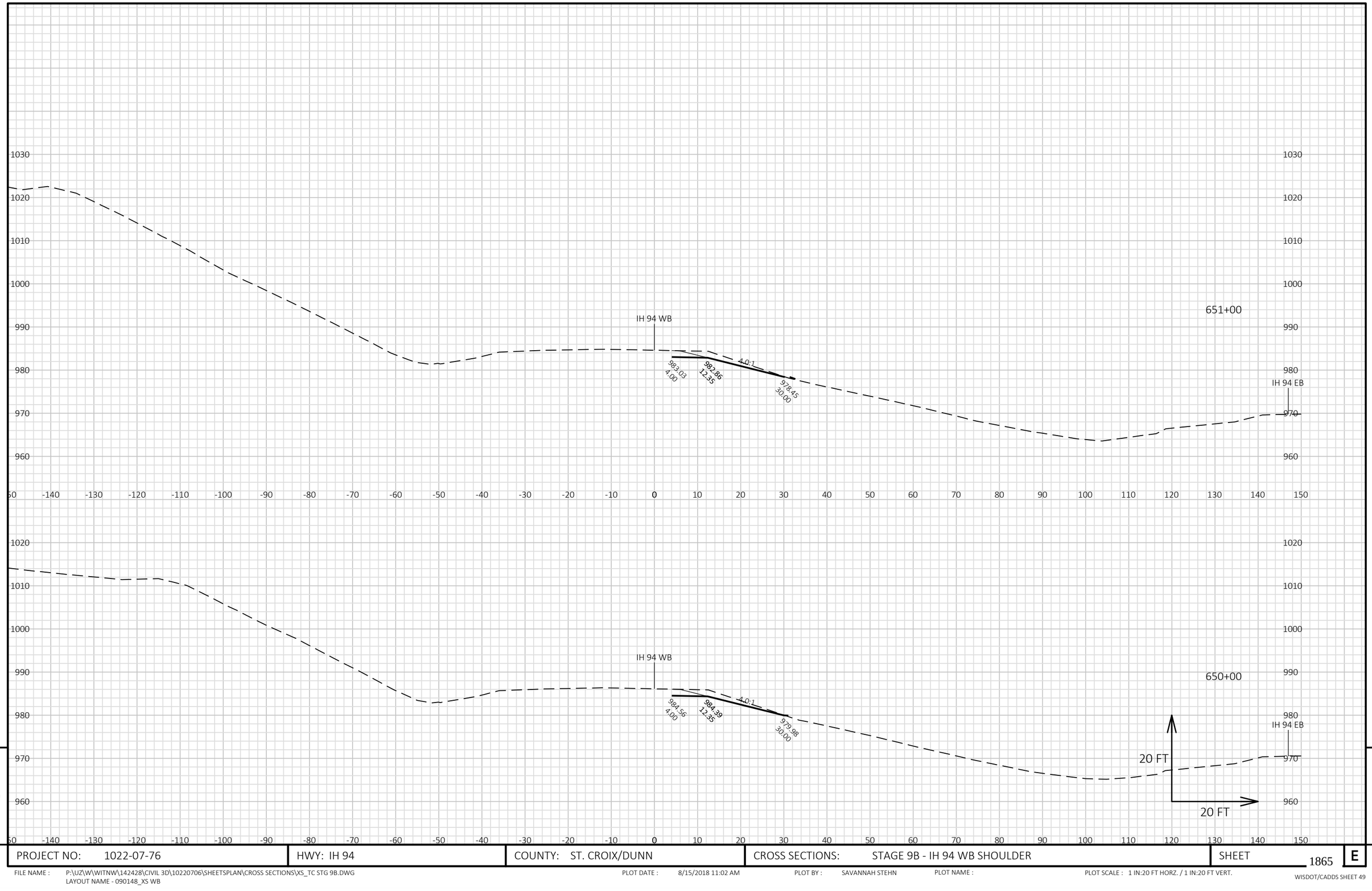
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1864	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090147_XS WB

PLOT DATE : 8/15/2018 11:01 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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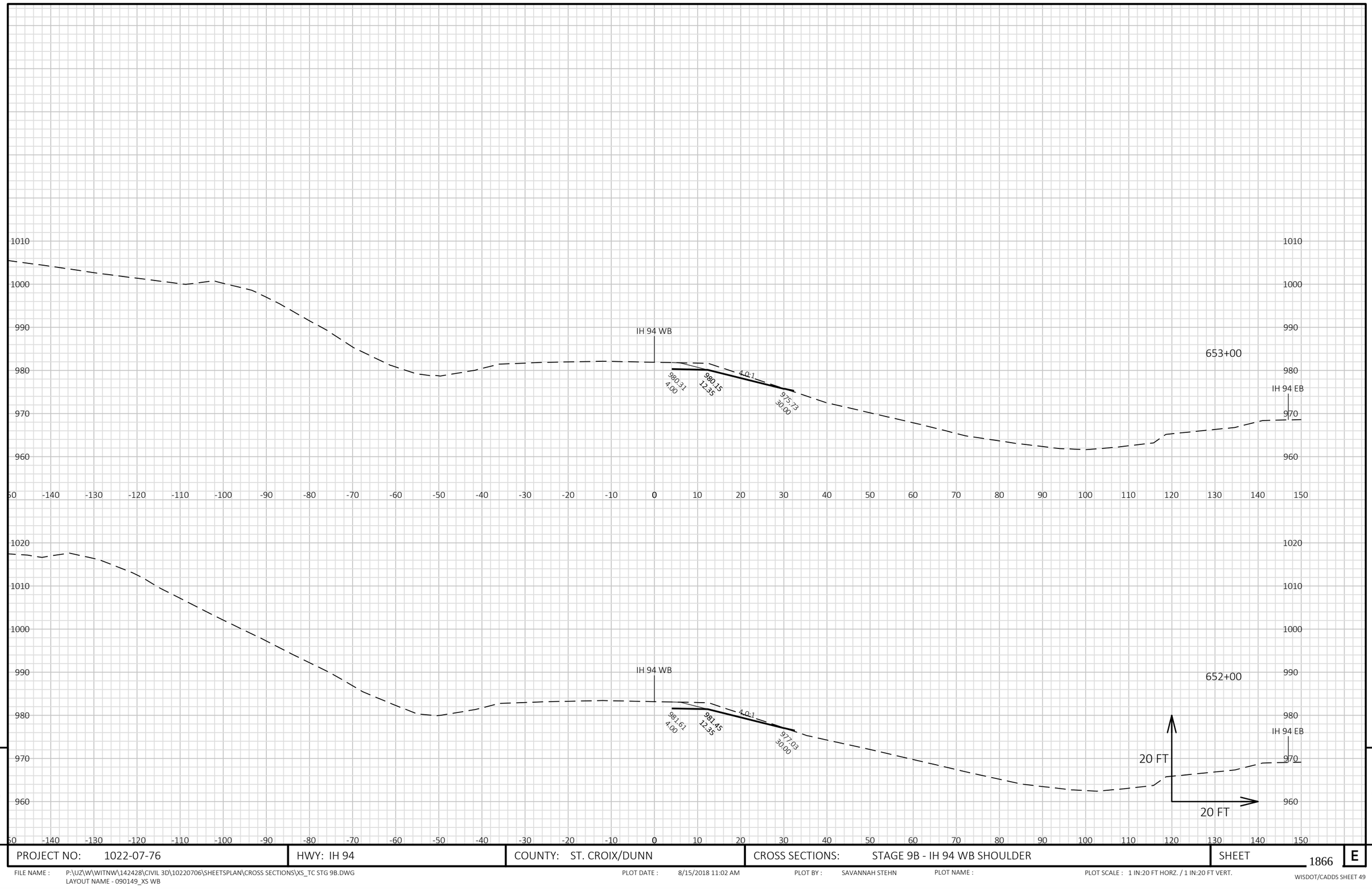
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1865	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090148_XS WB

PLOT DATE : 8/15/2018 11:02 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

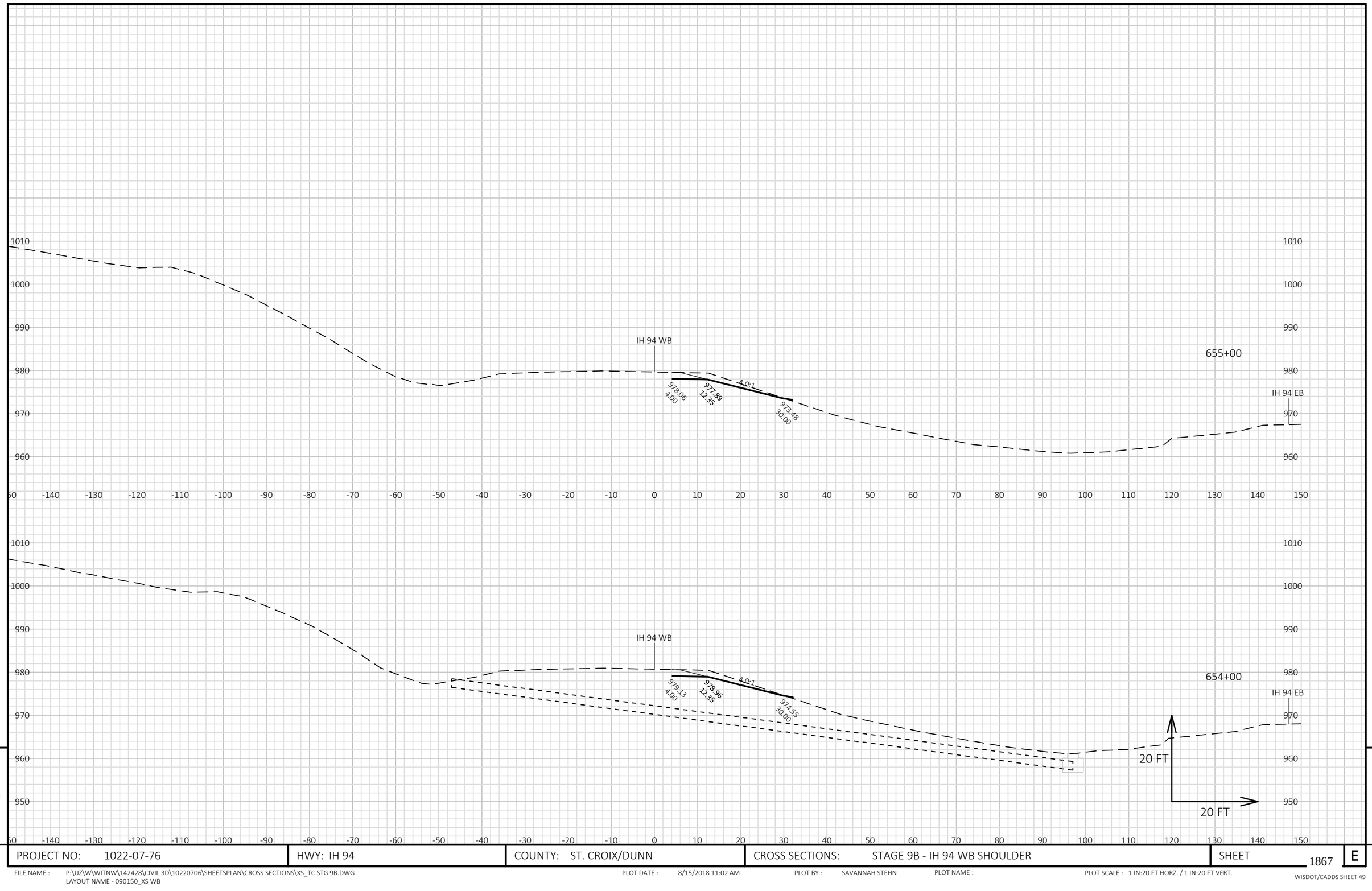


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1866	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090149_XS WB

PLOT DATE : 8/15/2018 11:02 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



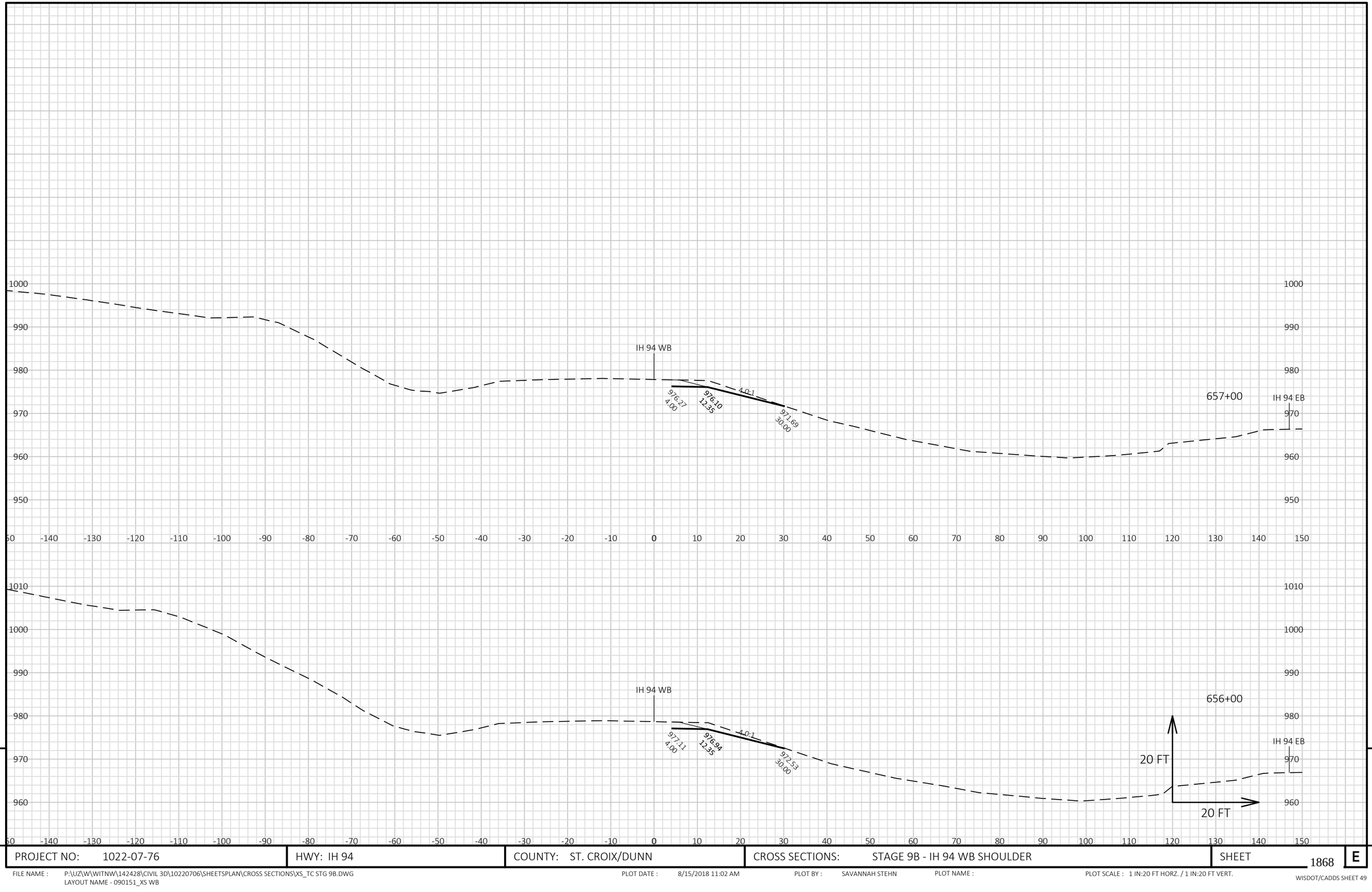
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1867	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090150_XS WB

PLOT DATE : 8/15/2018 11:02 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



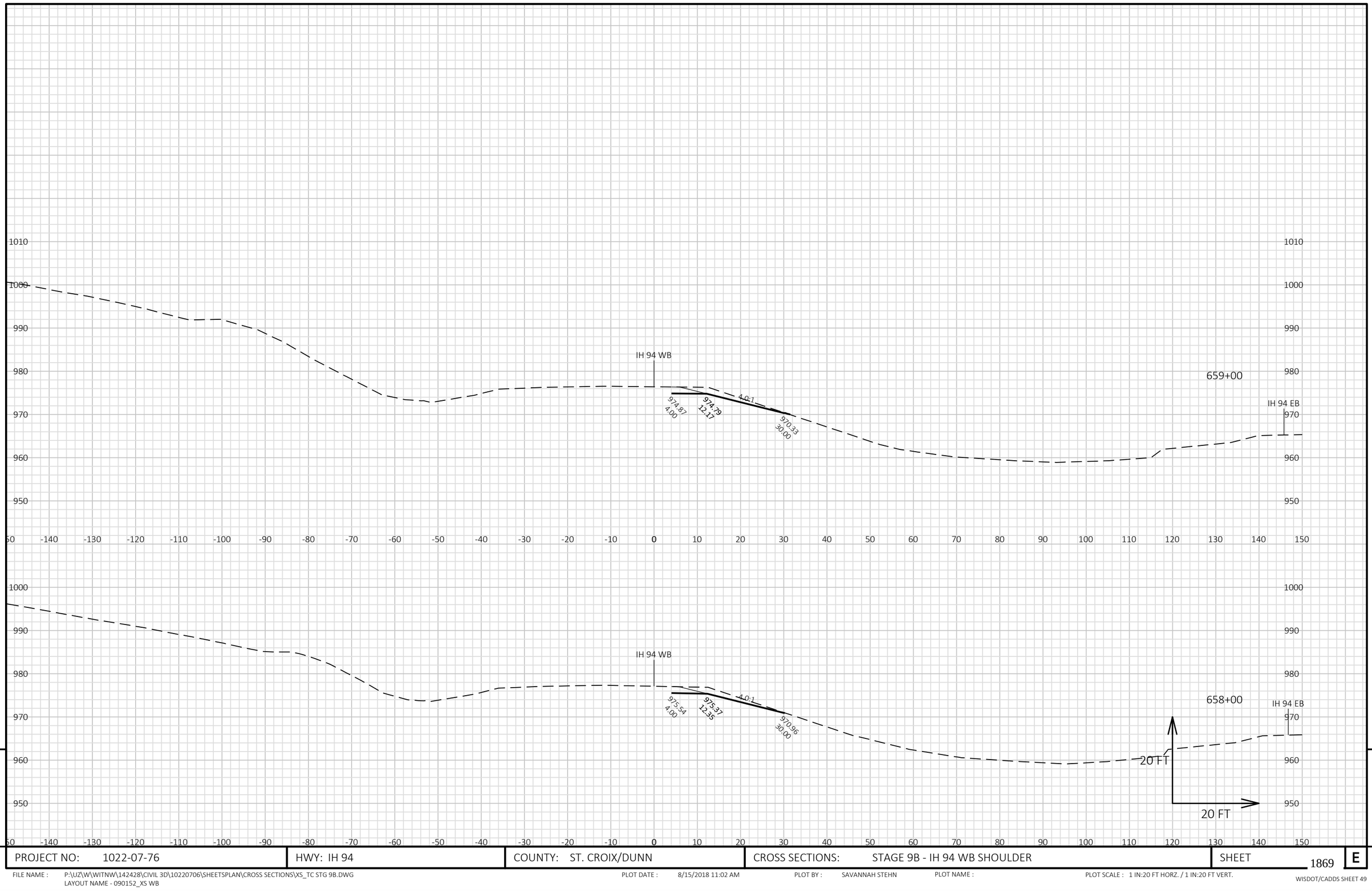
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1868	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090151_XS WB

PLOT DATE : 8/15/2018 11:02 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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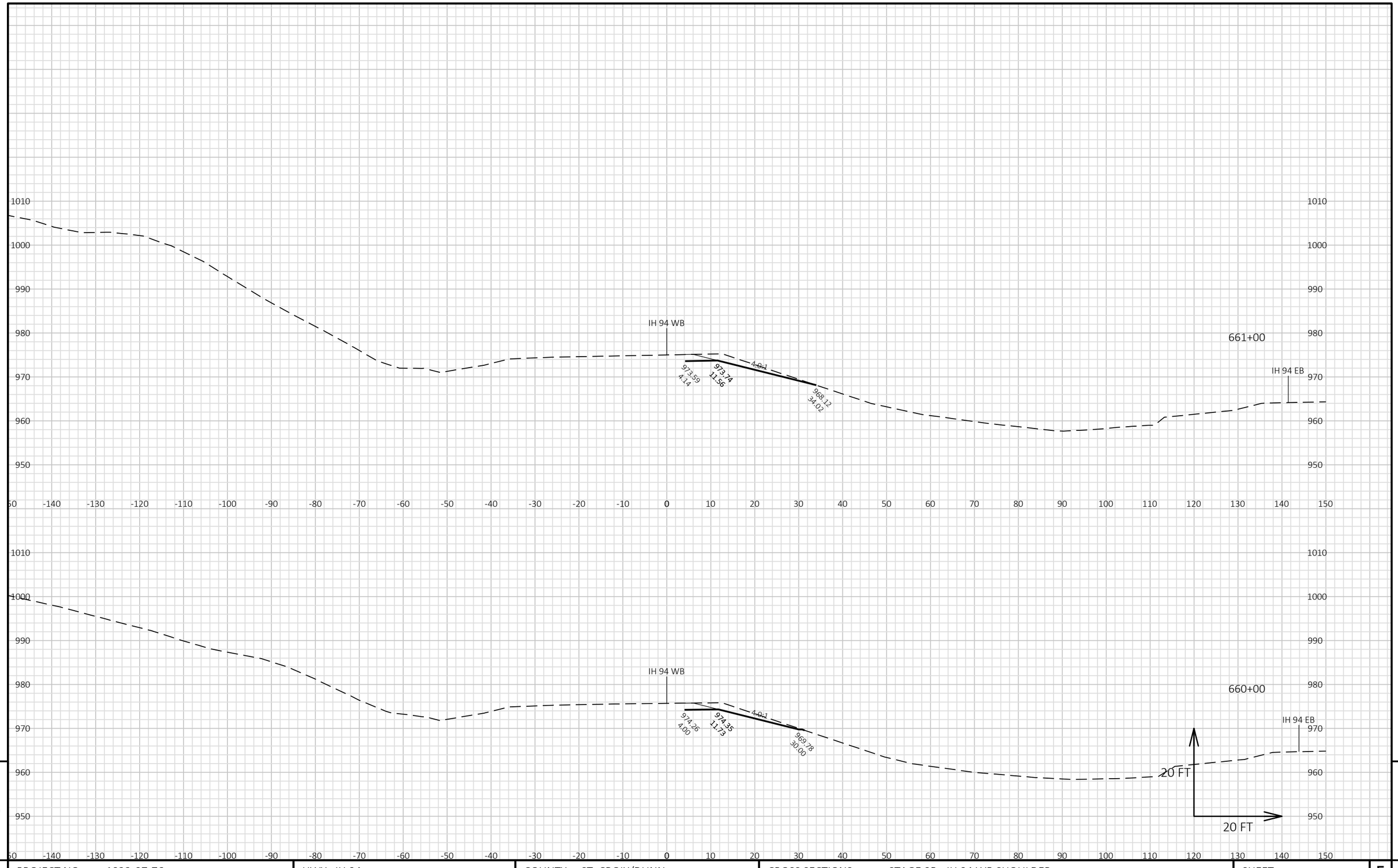
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1869	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090152_XS WB

PLOT DATE : 8/15/2018 11:02 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



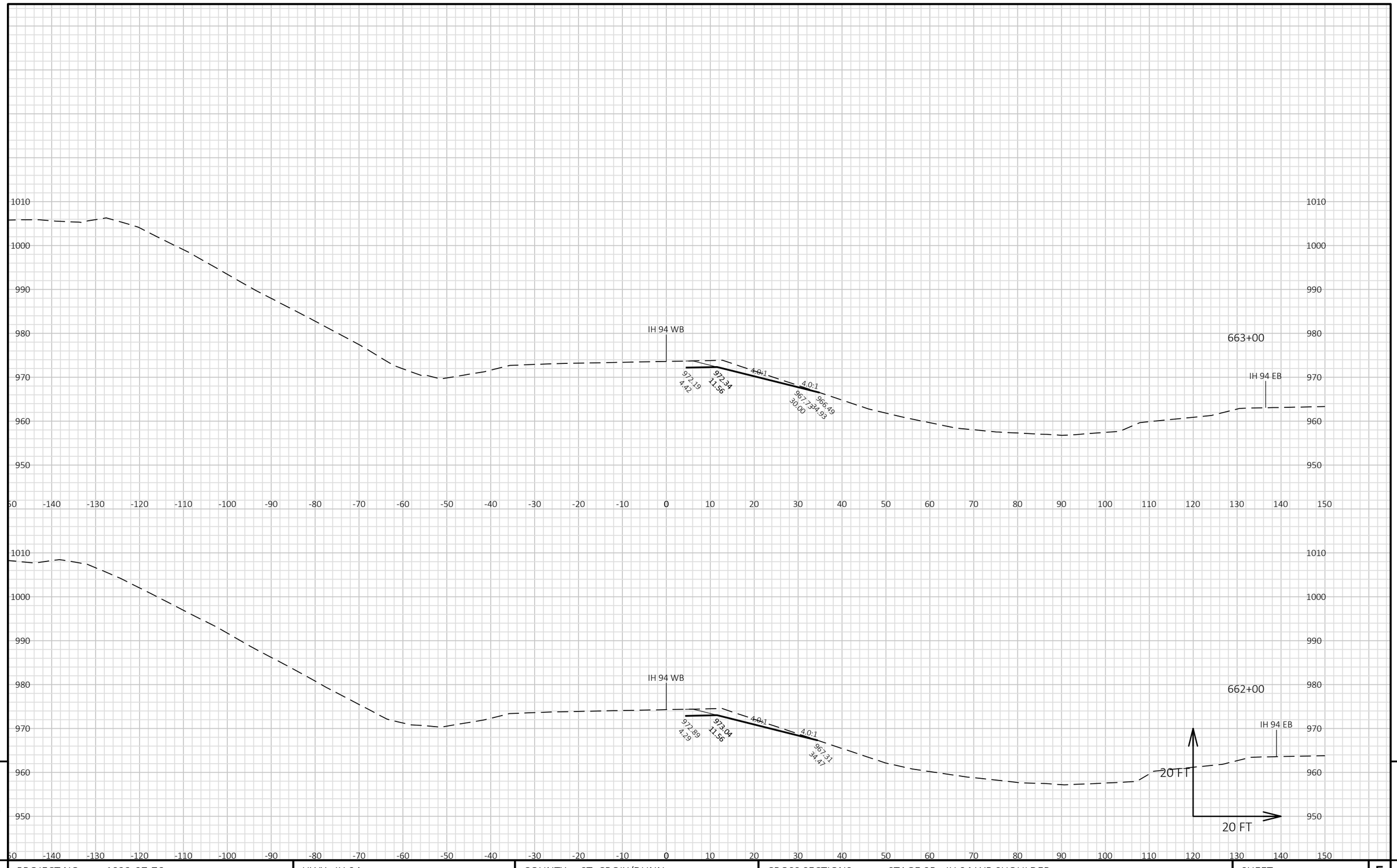
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1870	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090153_XS WB

PLOT DATE : 8/15/2018 11:02 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



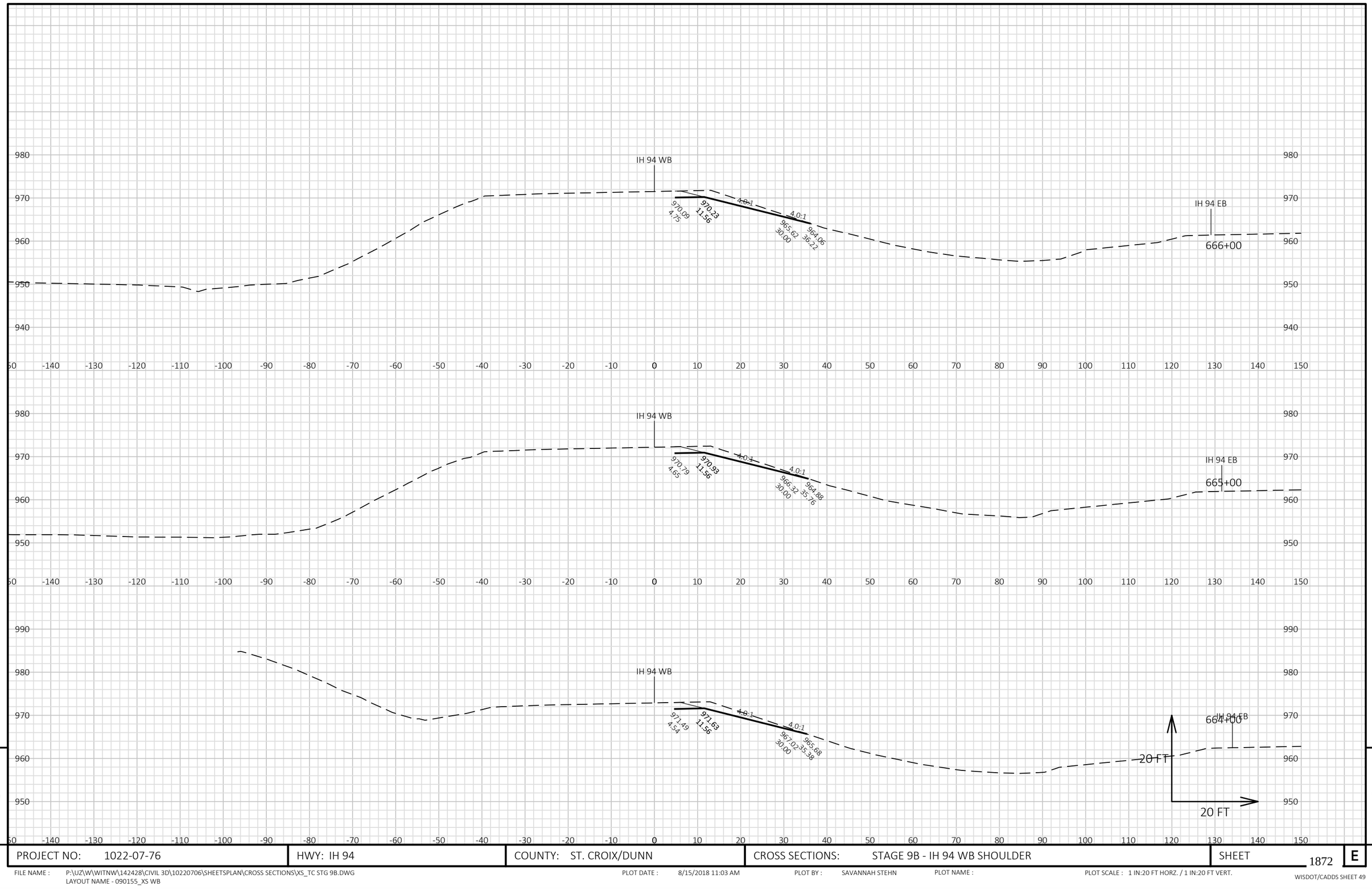
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1871	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090154_XS WB

PLOT DATE : 8/15/2018 11:03 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



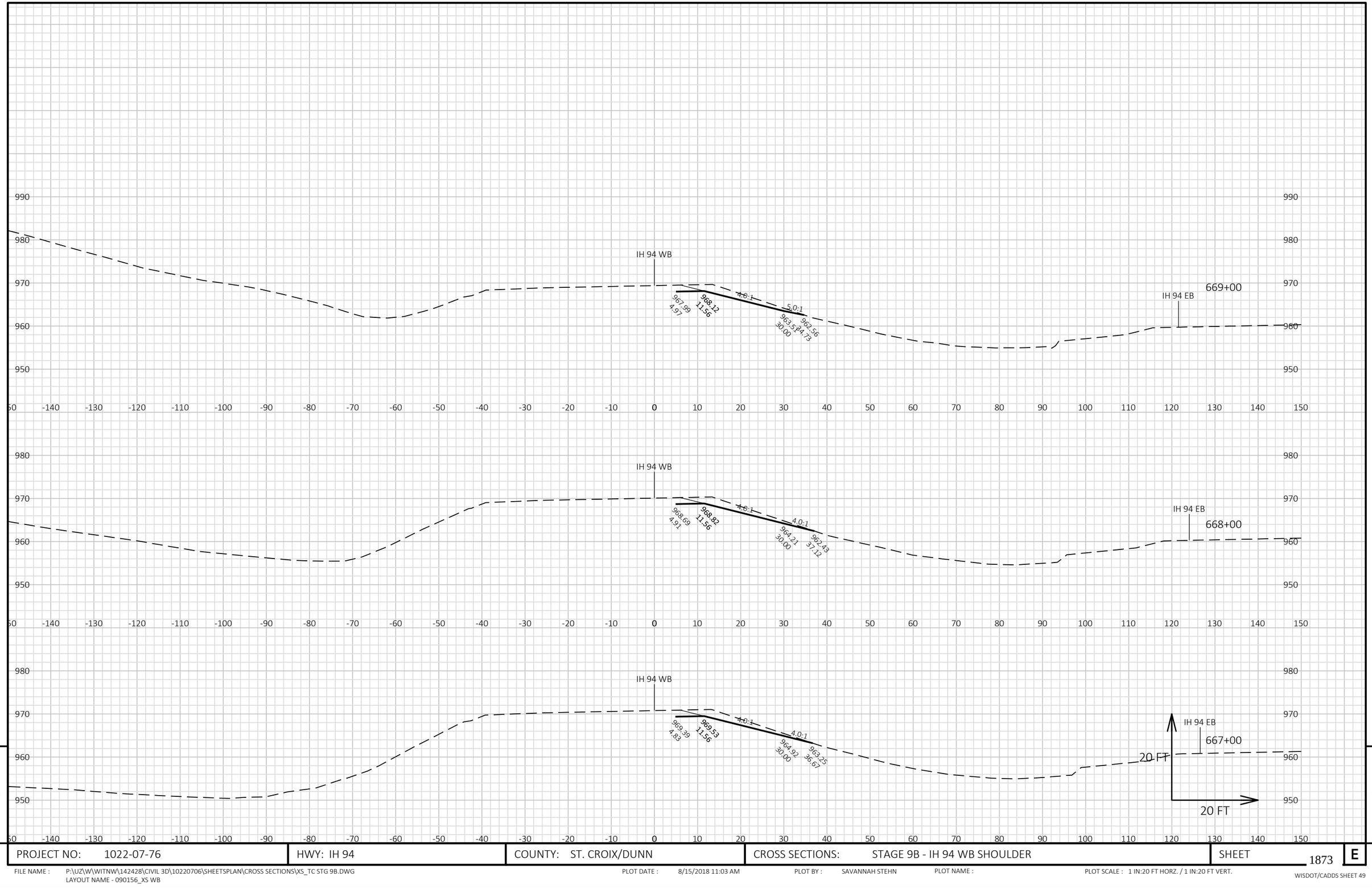
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1872	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090155_XS WB

PLOT DATE : 8/15/2018 11:03 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



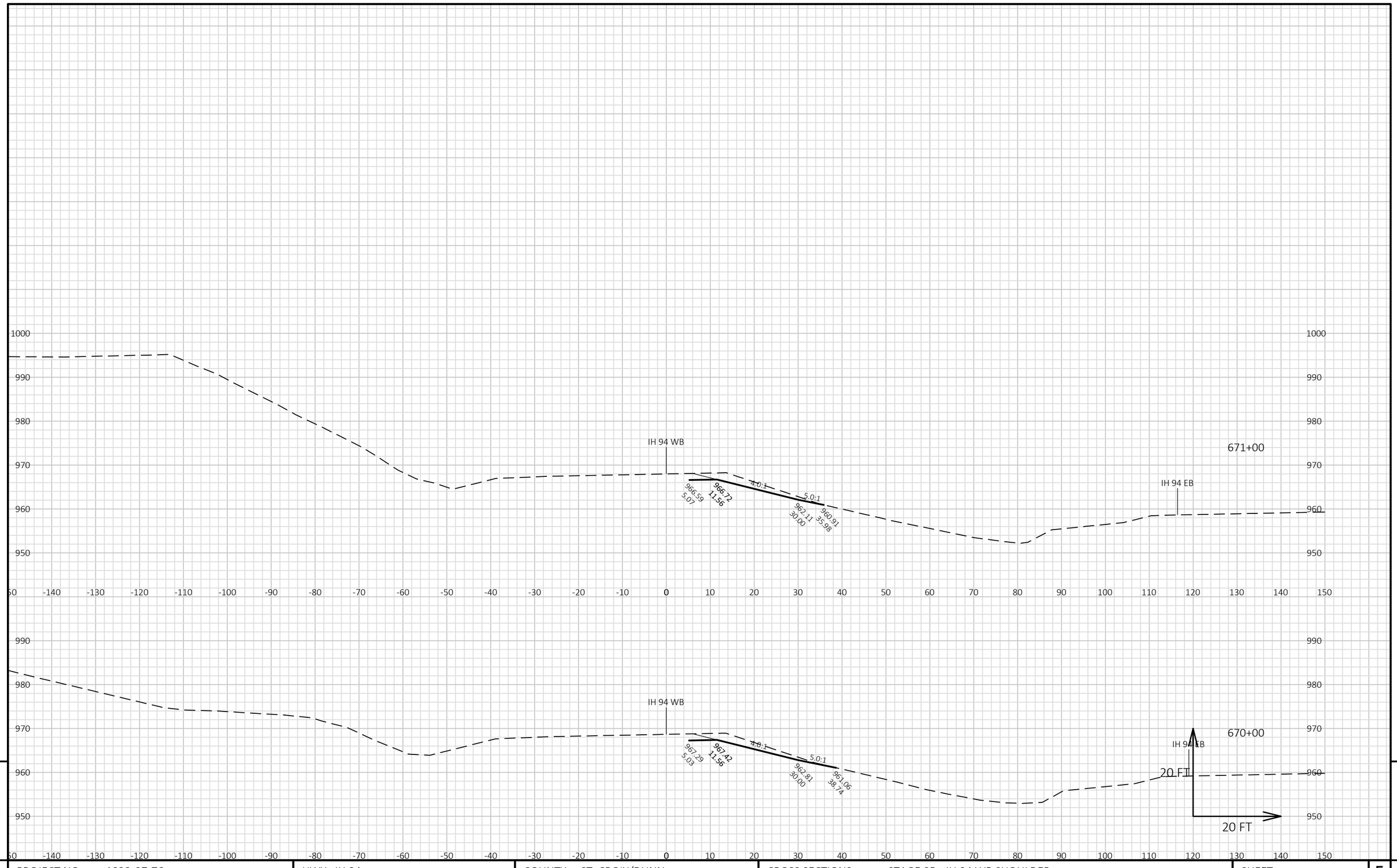
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1873	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090156_XS WB

PLOT DATE : 8/15/2018 11:03 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



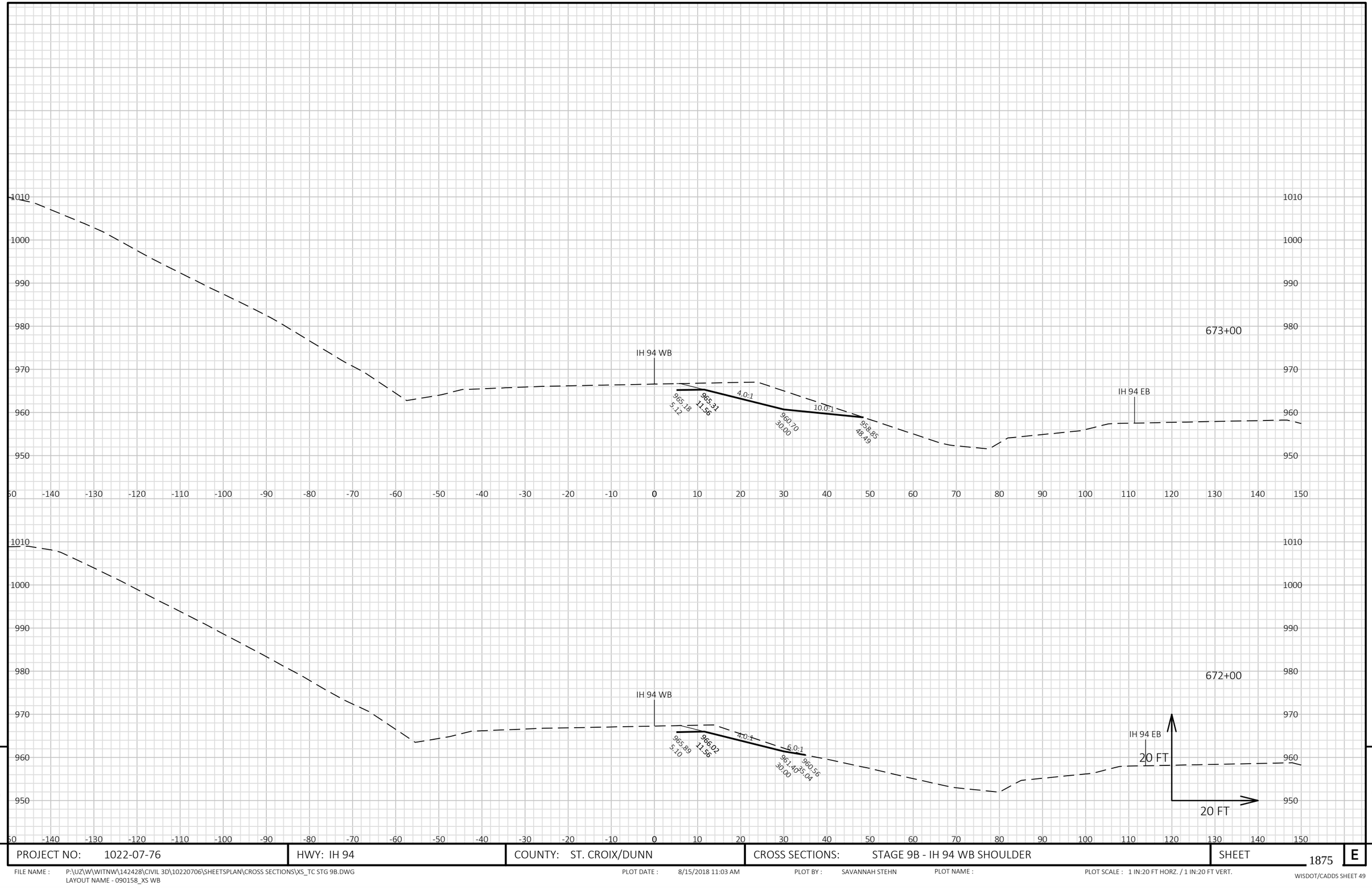
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1874	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090157_XS WB

PLOT DATE : 8/15/2018 11:03 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

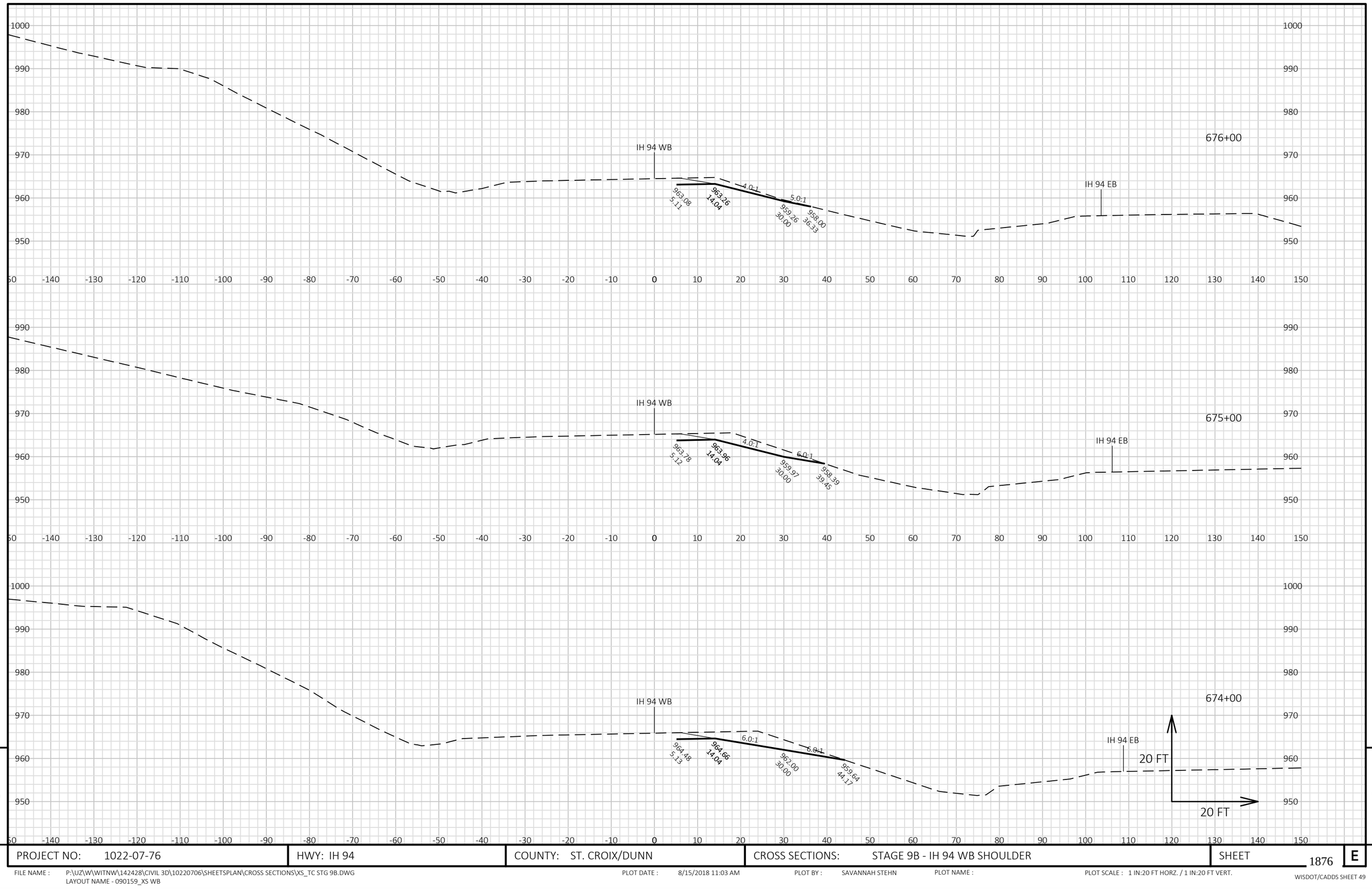


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1875	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090158_XS WB

PLOT DATE : 8/15/2018 11:03 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



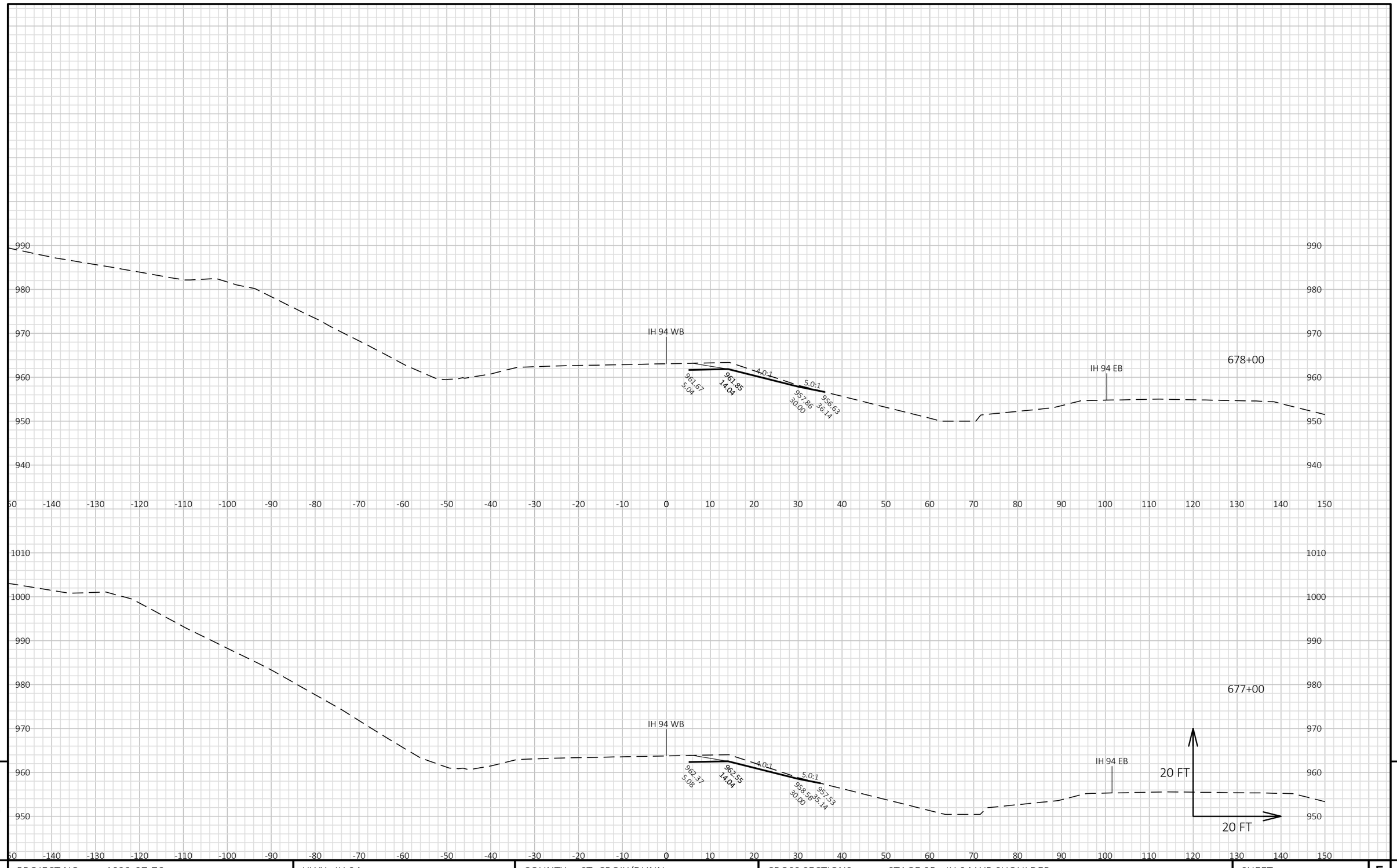
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1876	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090159_XS WB

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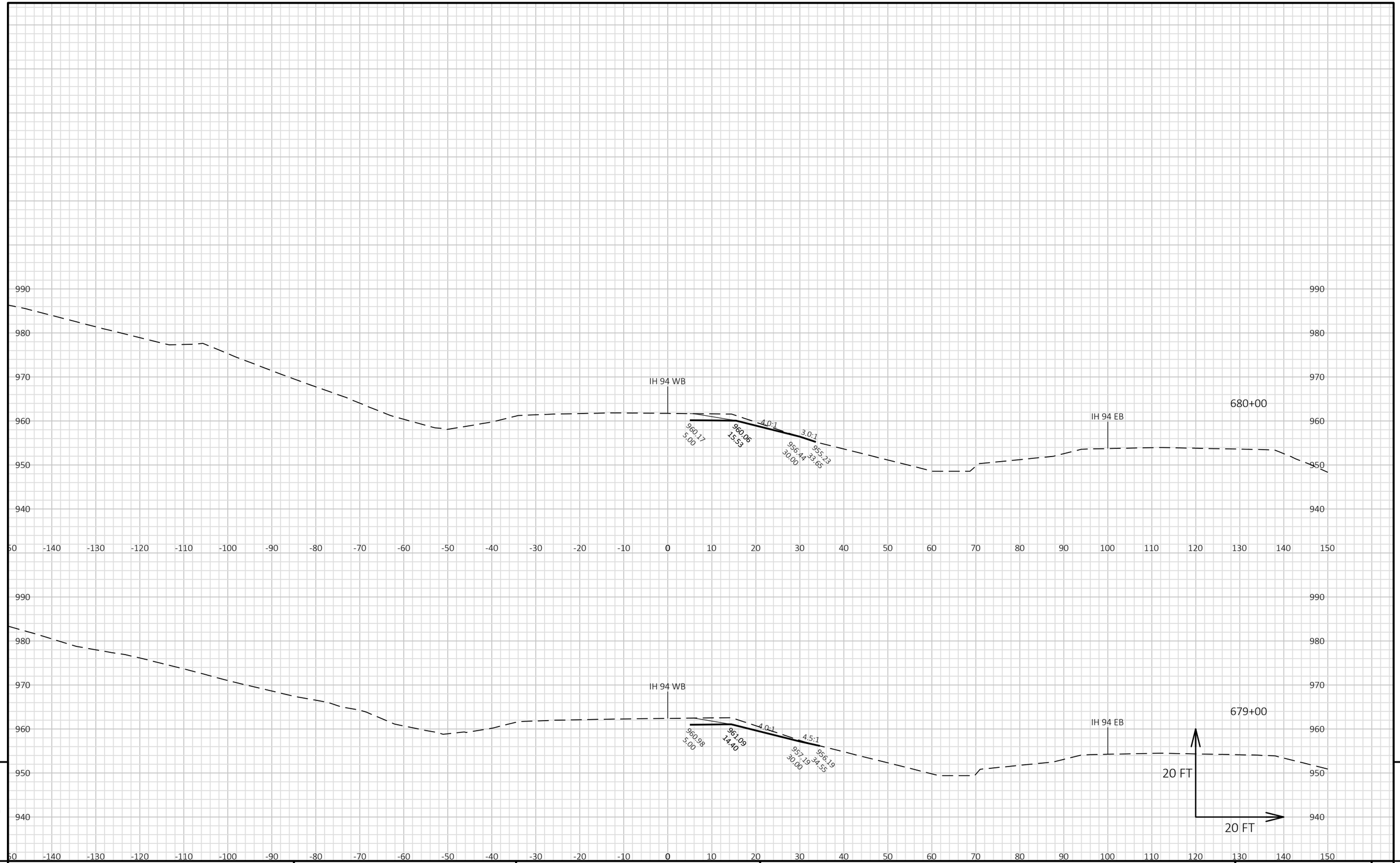
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1877	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090160_XS WB

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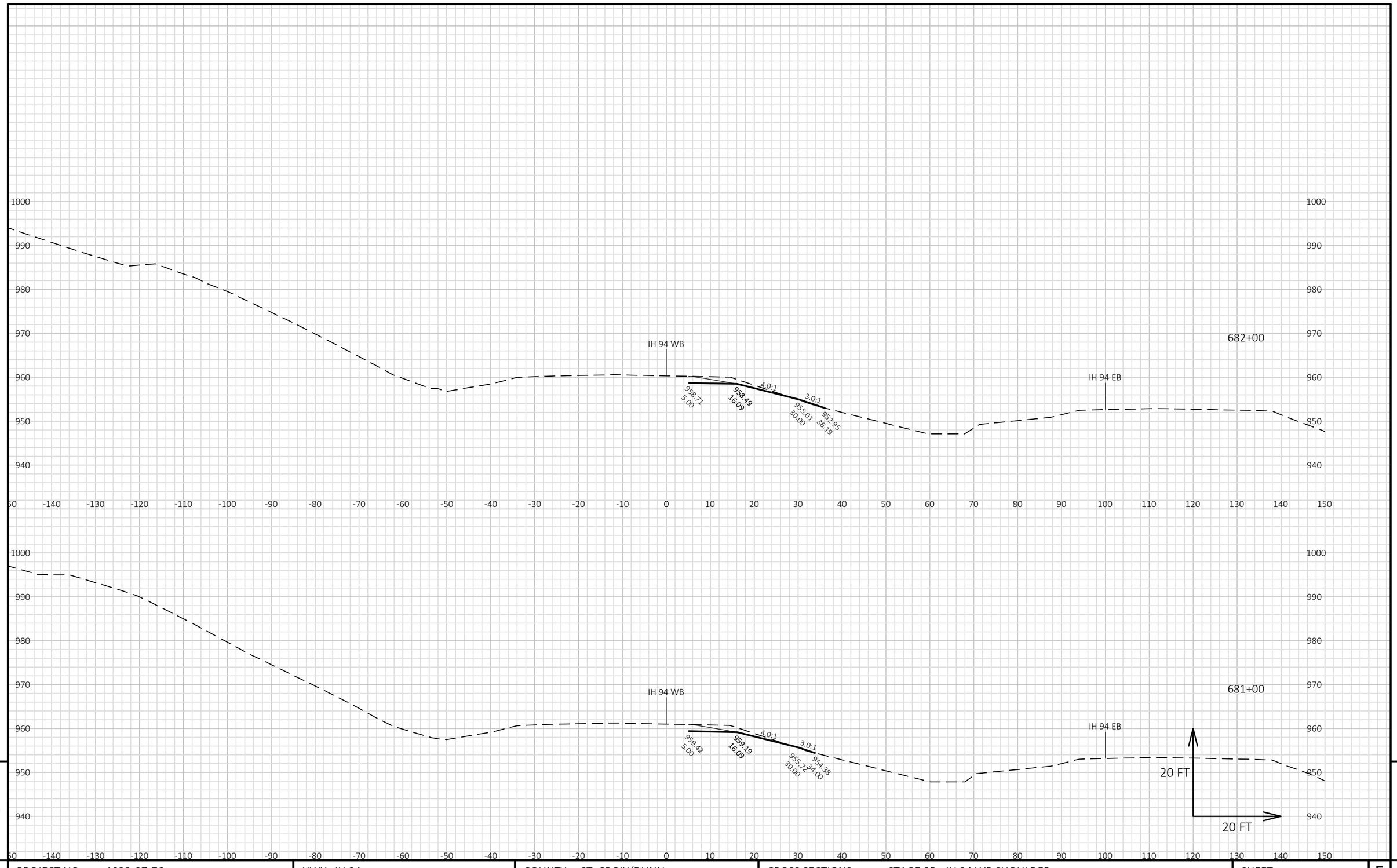
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1878	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090161_XS WB

PLOT DATE : 8/15/2018 11:04 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



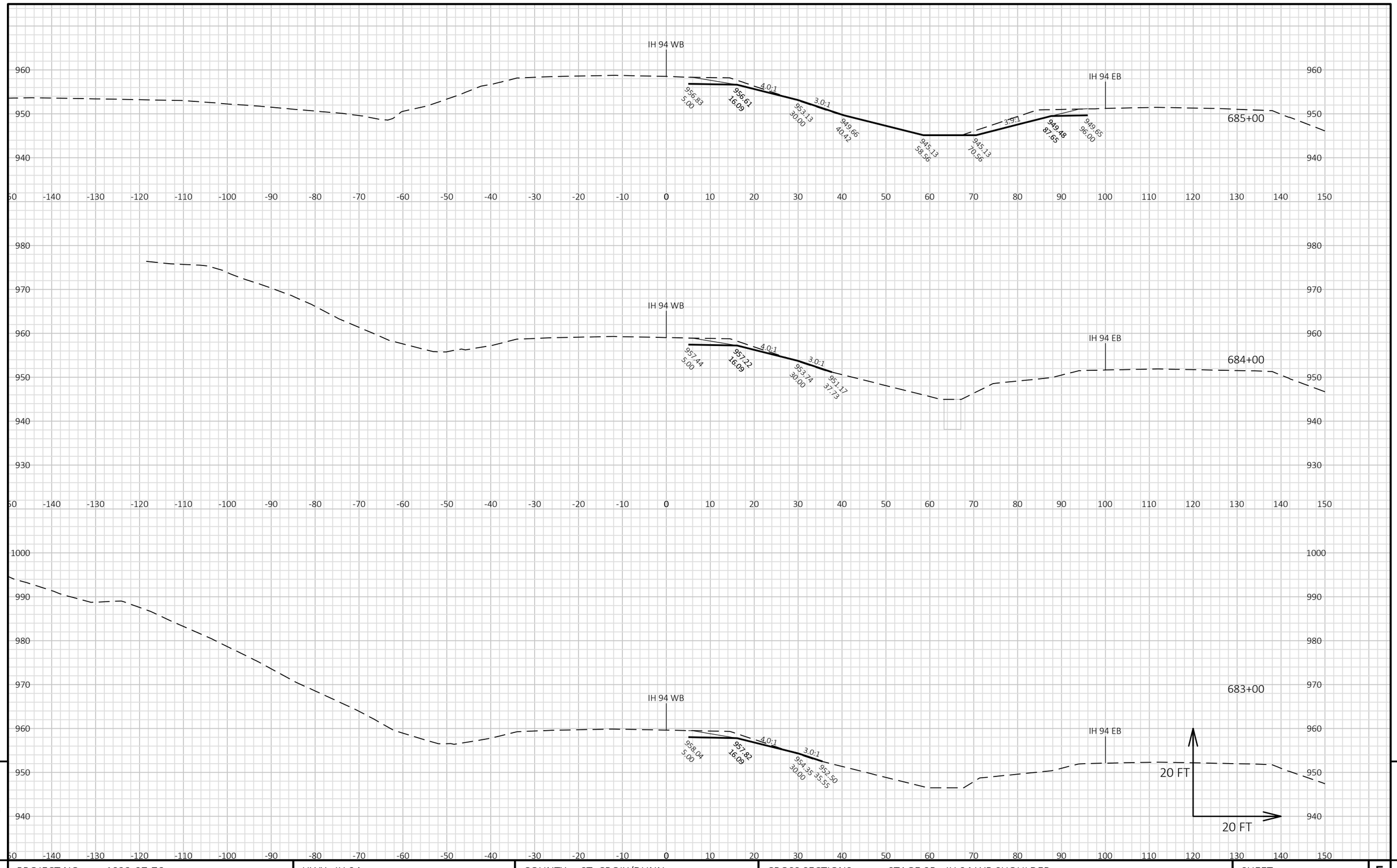
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1879	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090162_XS WB

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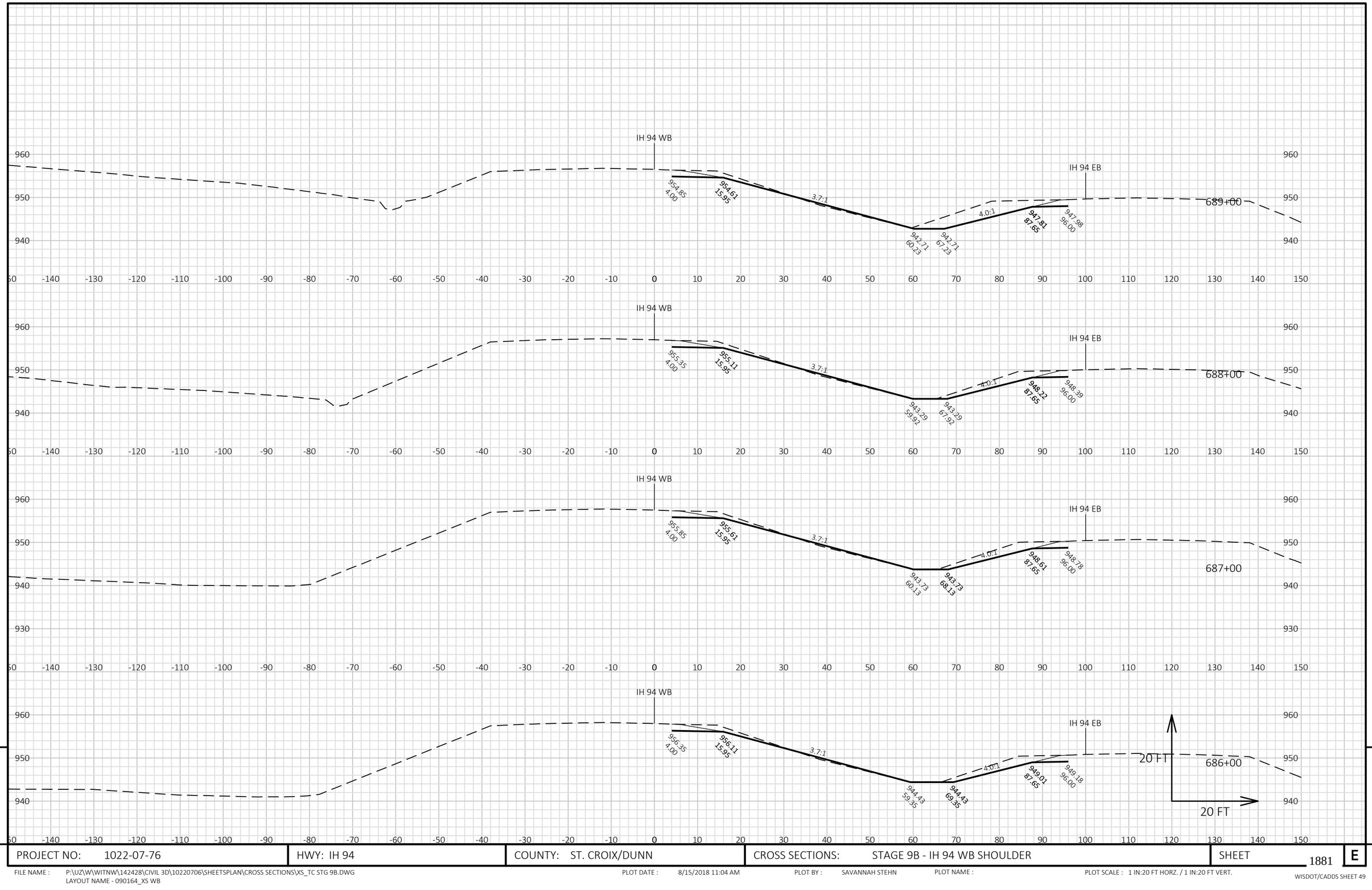
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1880	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090163_XS WB

PLOT DATE : 8/15/2018 11:04 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



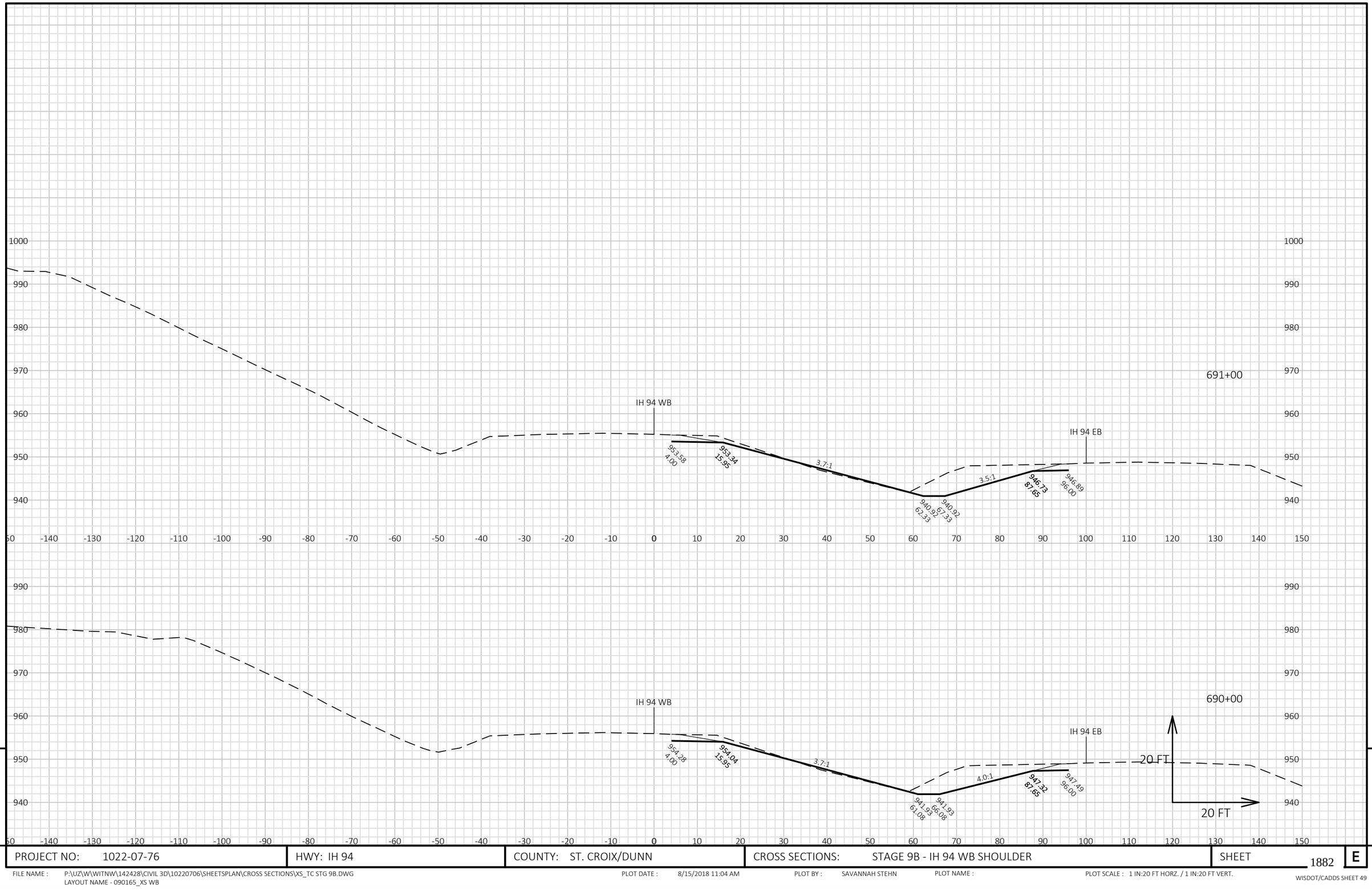
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1881	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090164_XS WB

PLOT DATE : 8/15/2018 11:04 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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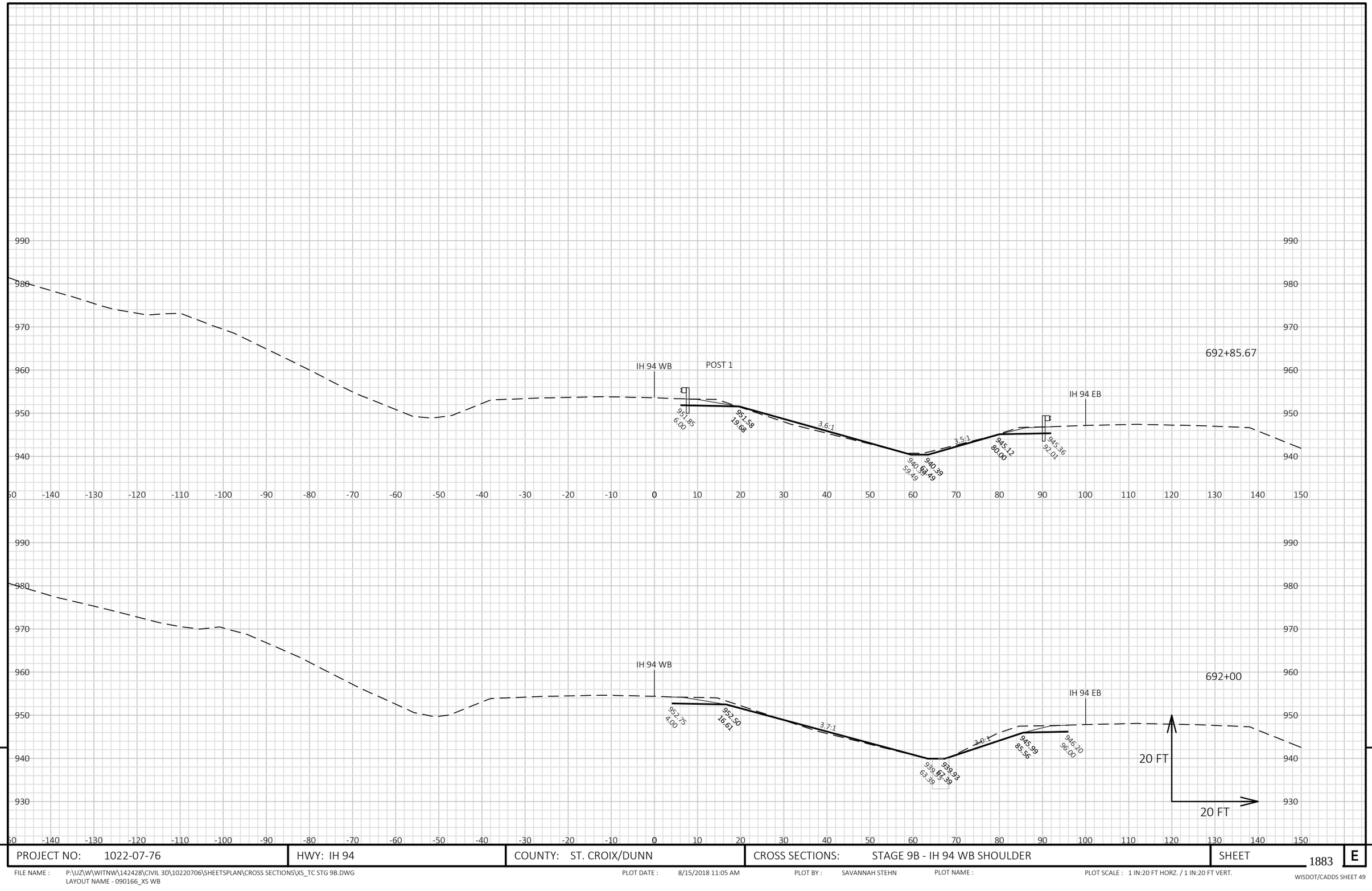
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1882	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090165_XS WB

PLOT DATE : 8/15/2018 11:04 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



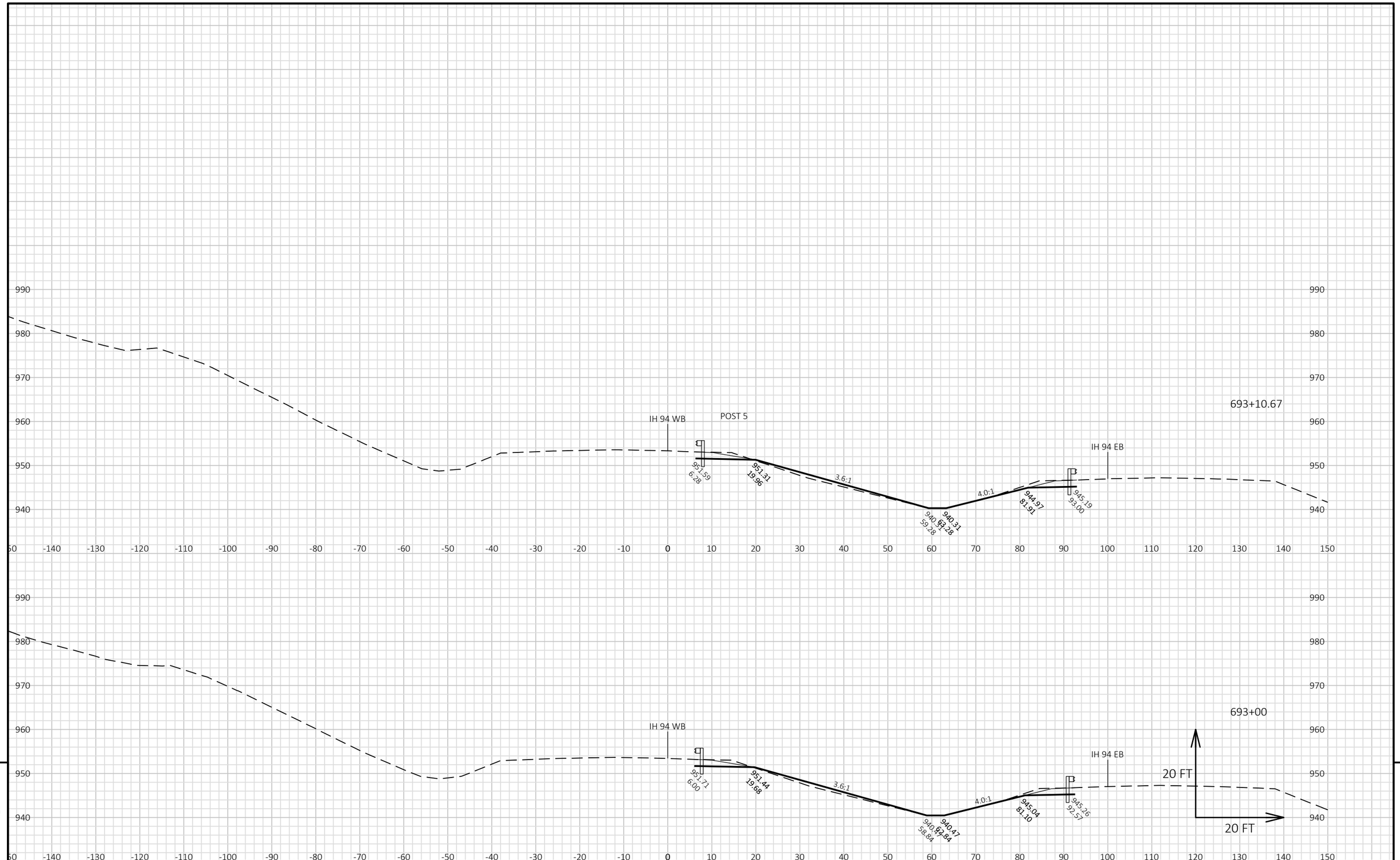
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1883	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090166_XS WB

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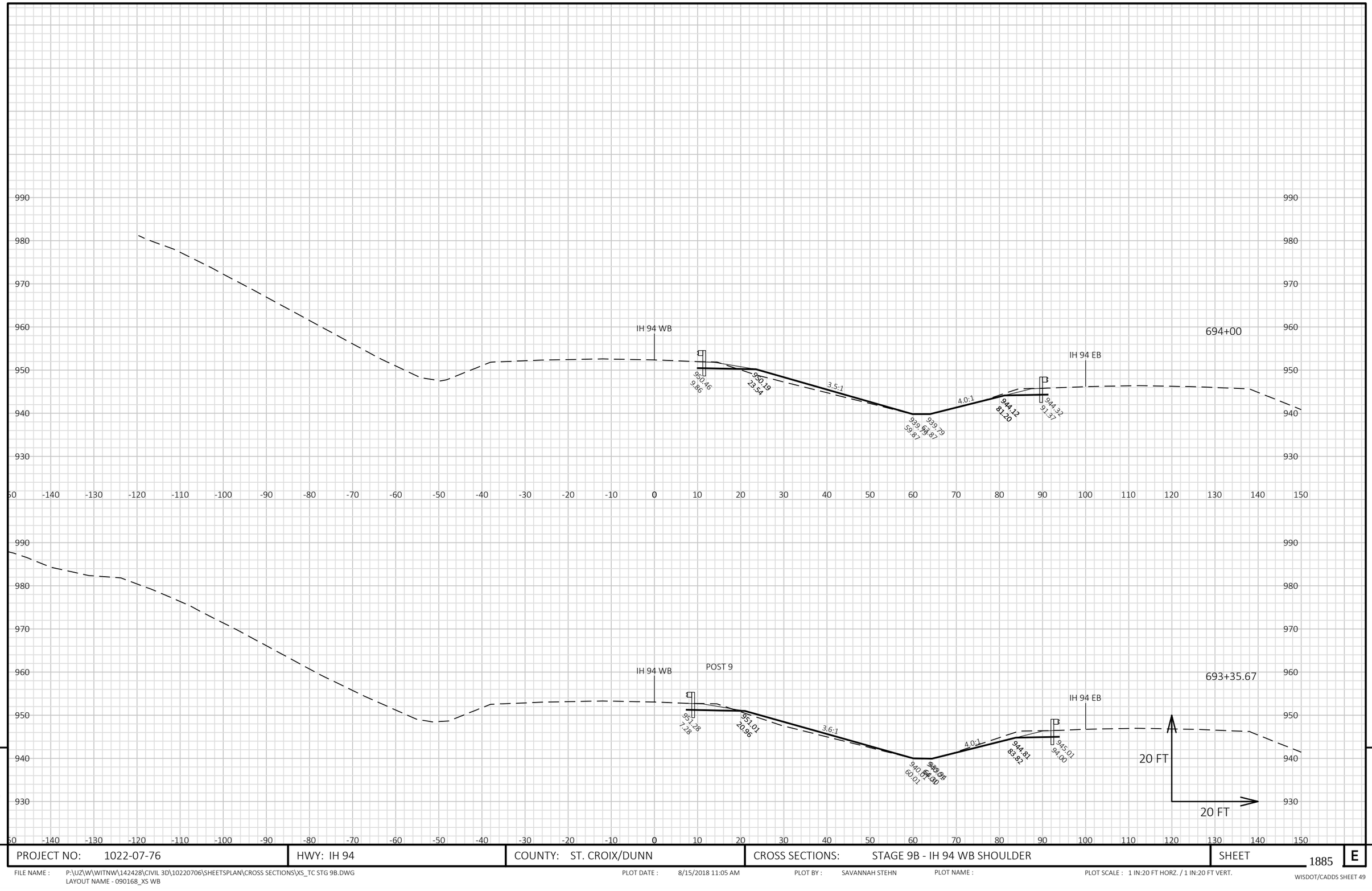


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1884 E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090167_XS WB

PLOT DATE : 8/15/2018 11:05 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

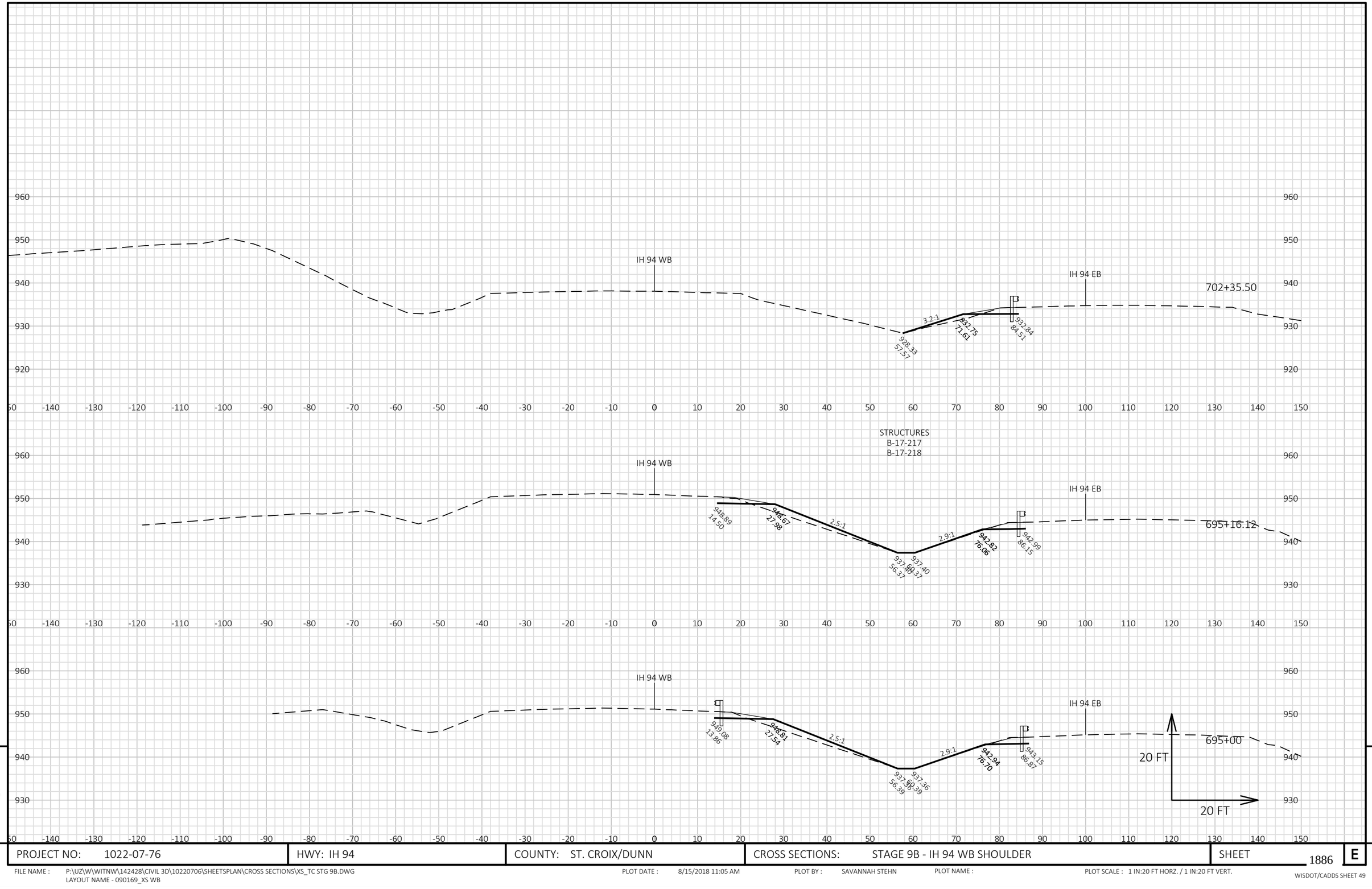


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1885	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090168_XS WB

PLOT DATE : 8/15/2018 11:05 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



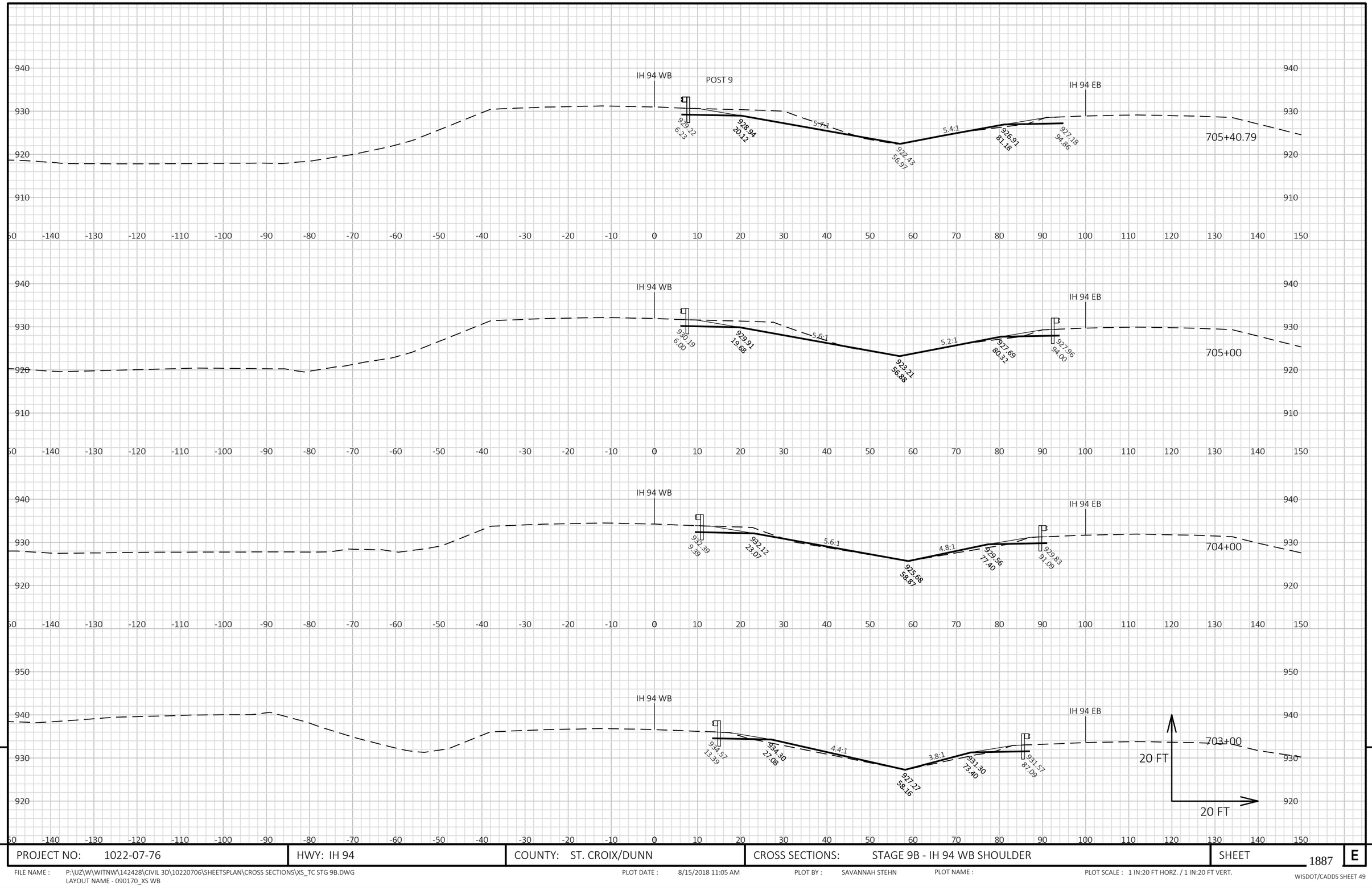
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1886	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090169_XS WB

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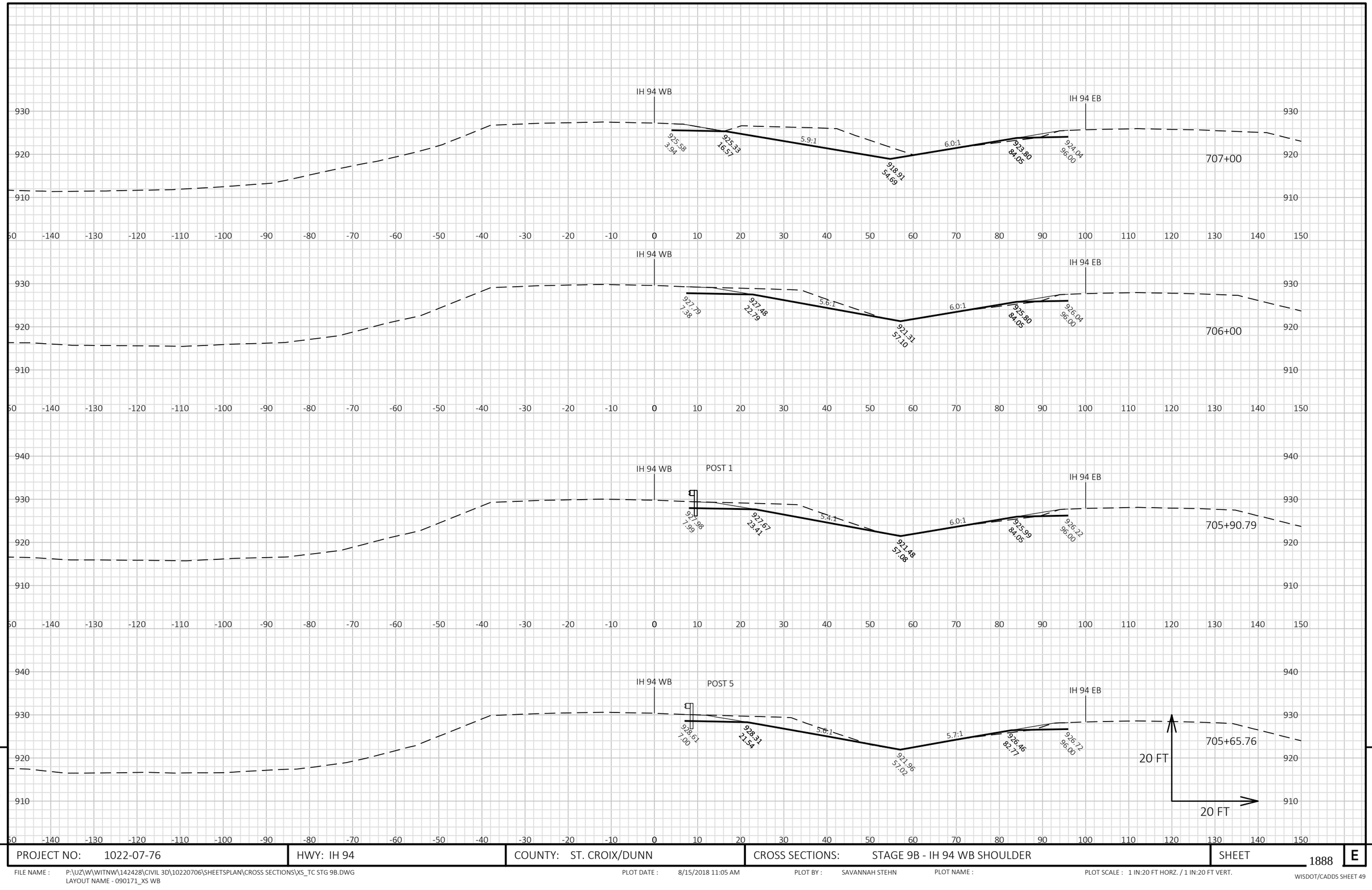
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1887	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090170_XS WB

PLOT DATE : 8/15/2018 11:05 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

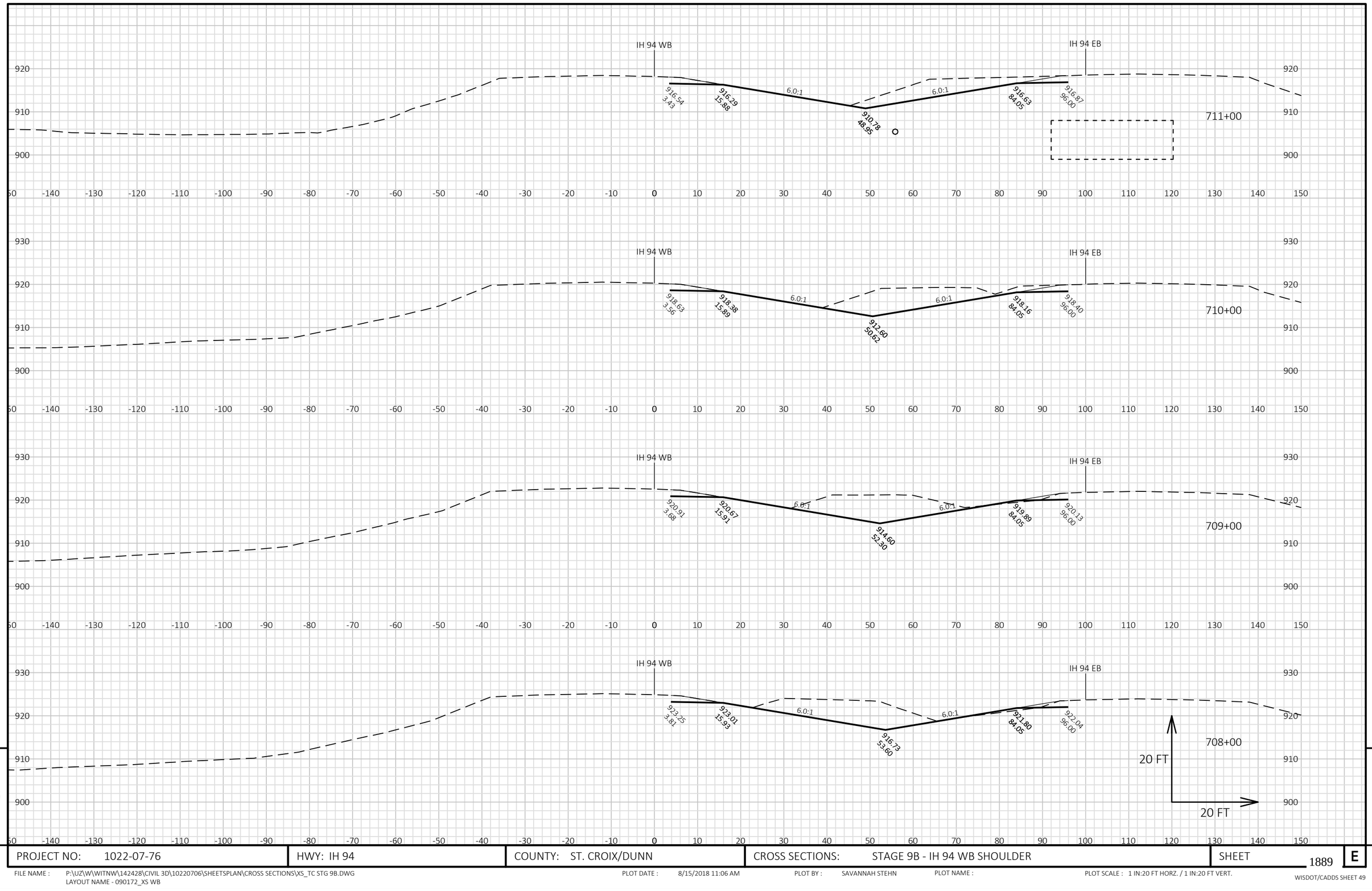


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1888	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090171_XS WB

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WISDOT/CADDS SHEET 49



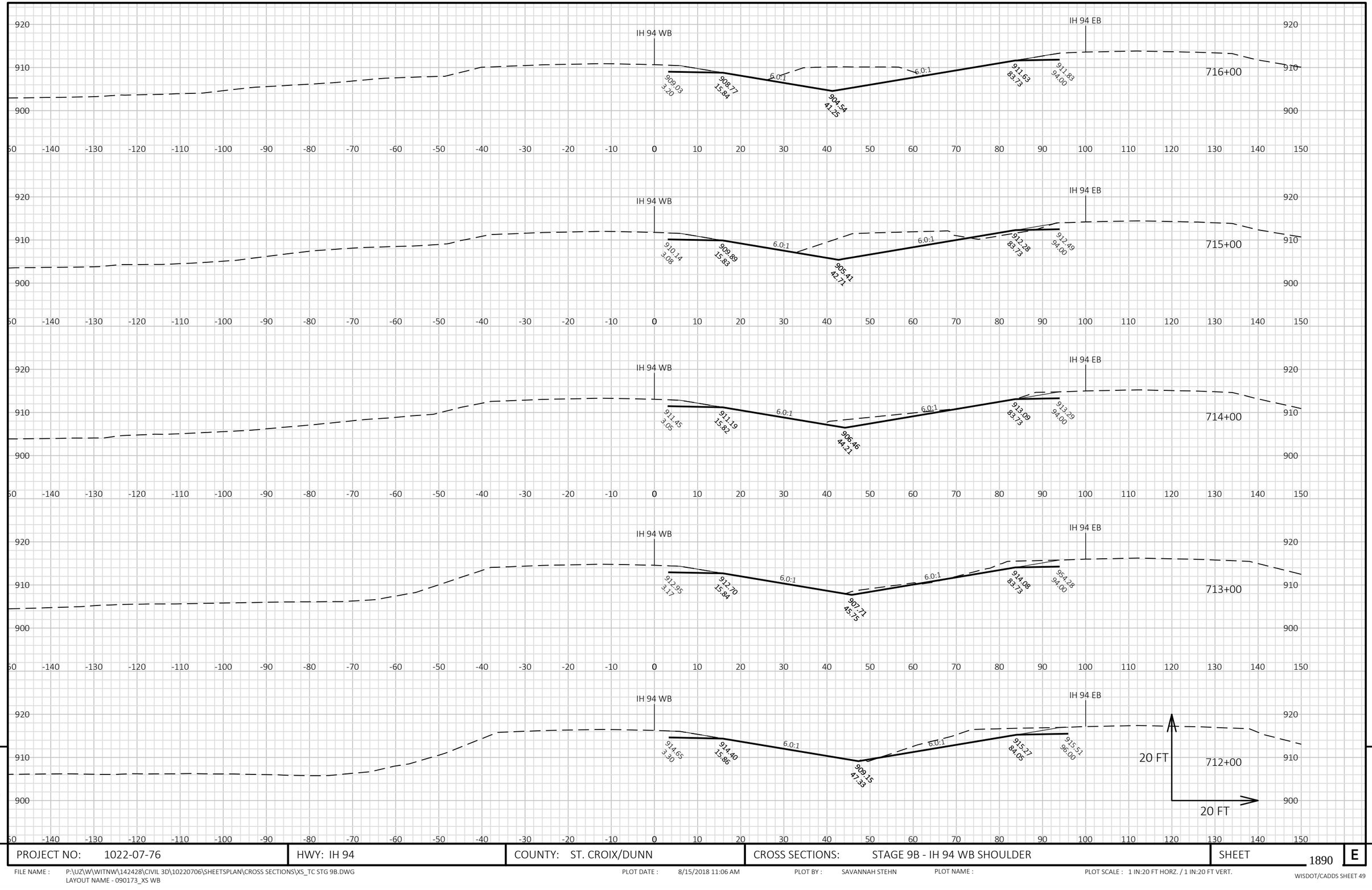
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1889	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090172_XS WB

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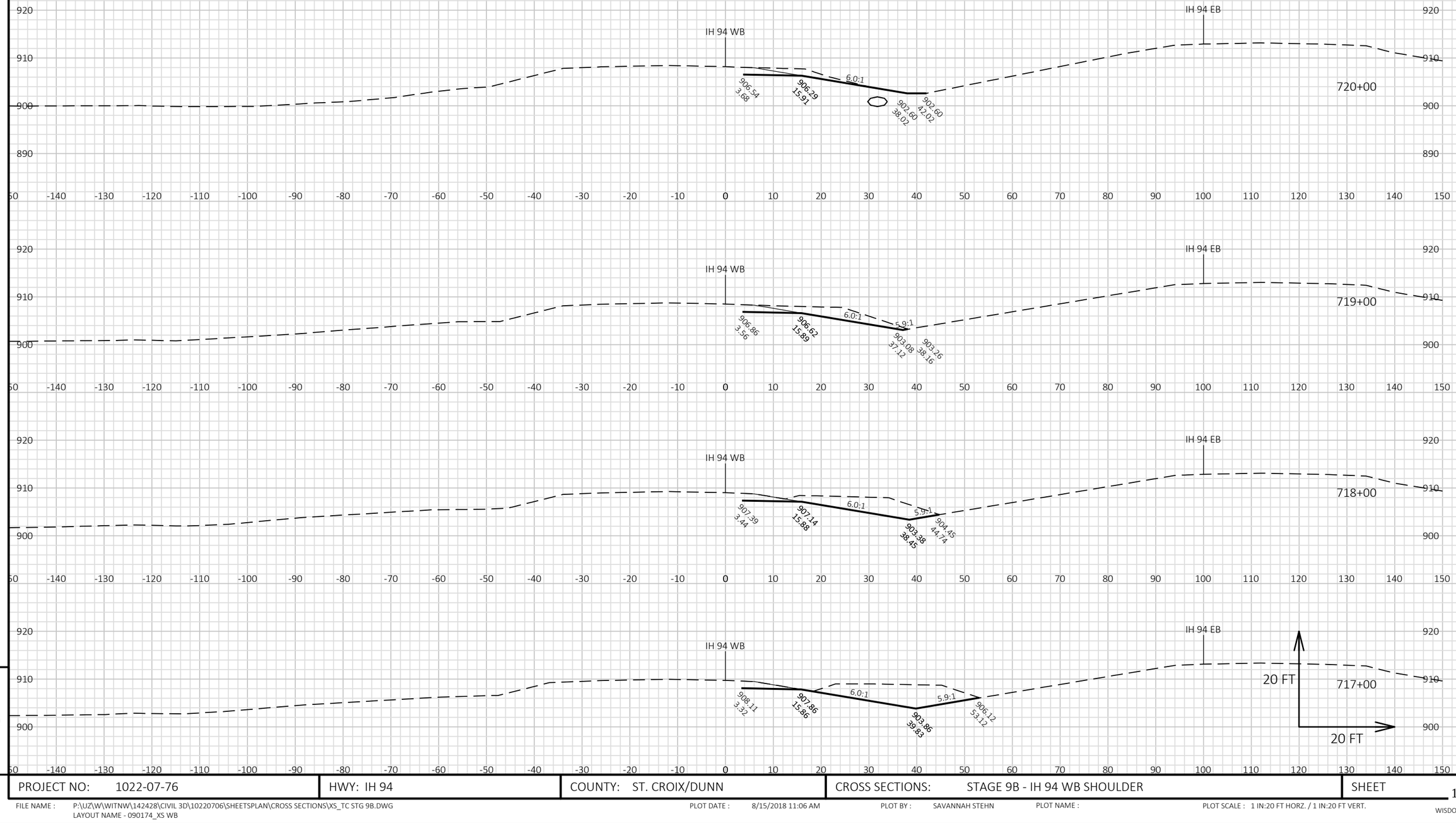


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1890	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090173_XS WB

PLOT DATE : 8/15/2018 11:06 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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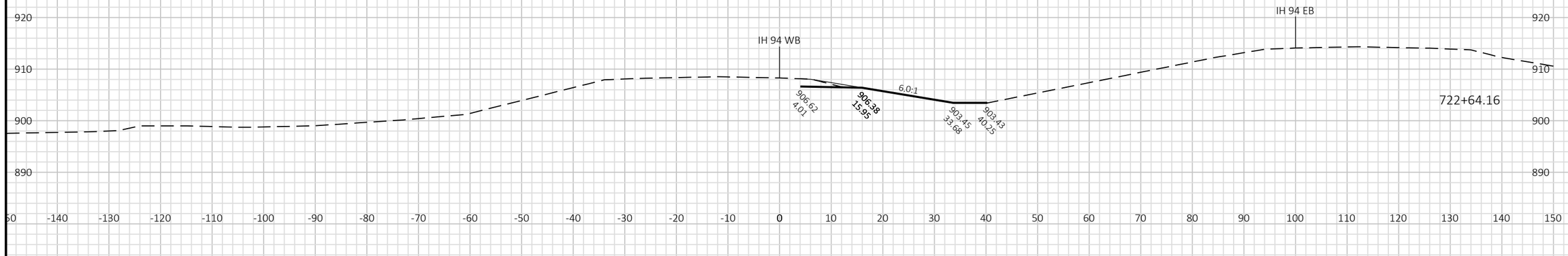
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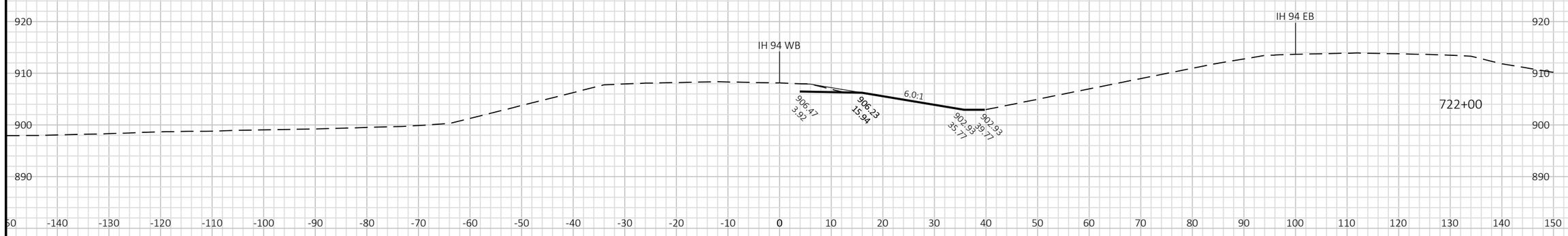
PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1891 E

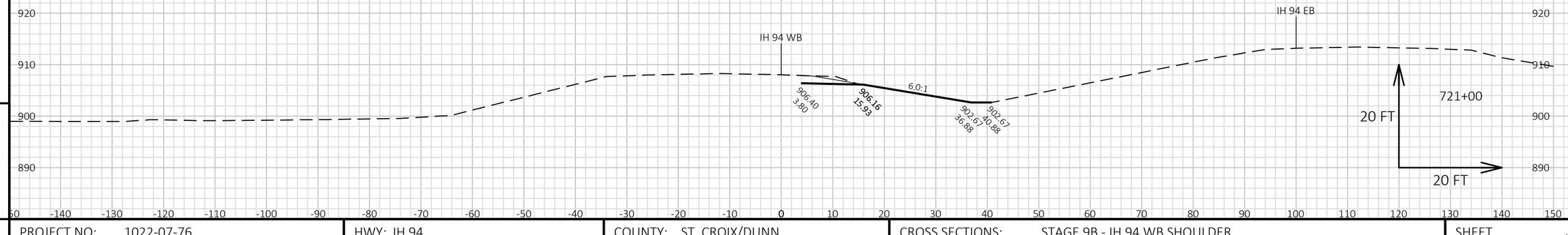
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LAYOUT NAME - 090174_XS WB

PLOT DATE : 8/15/2018 11:06 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

END CONSTRUCTION
STA 712+64







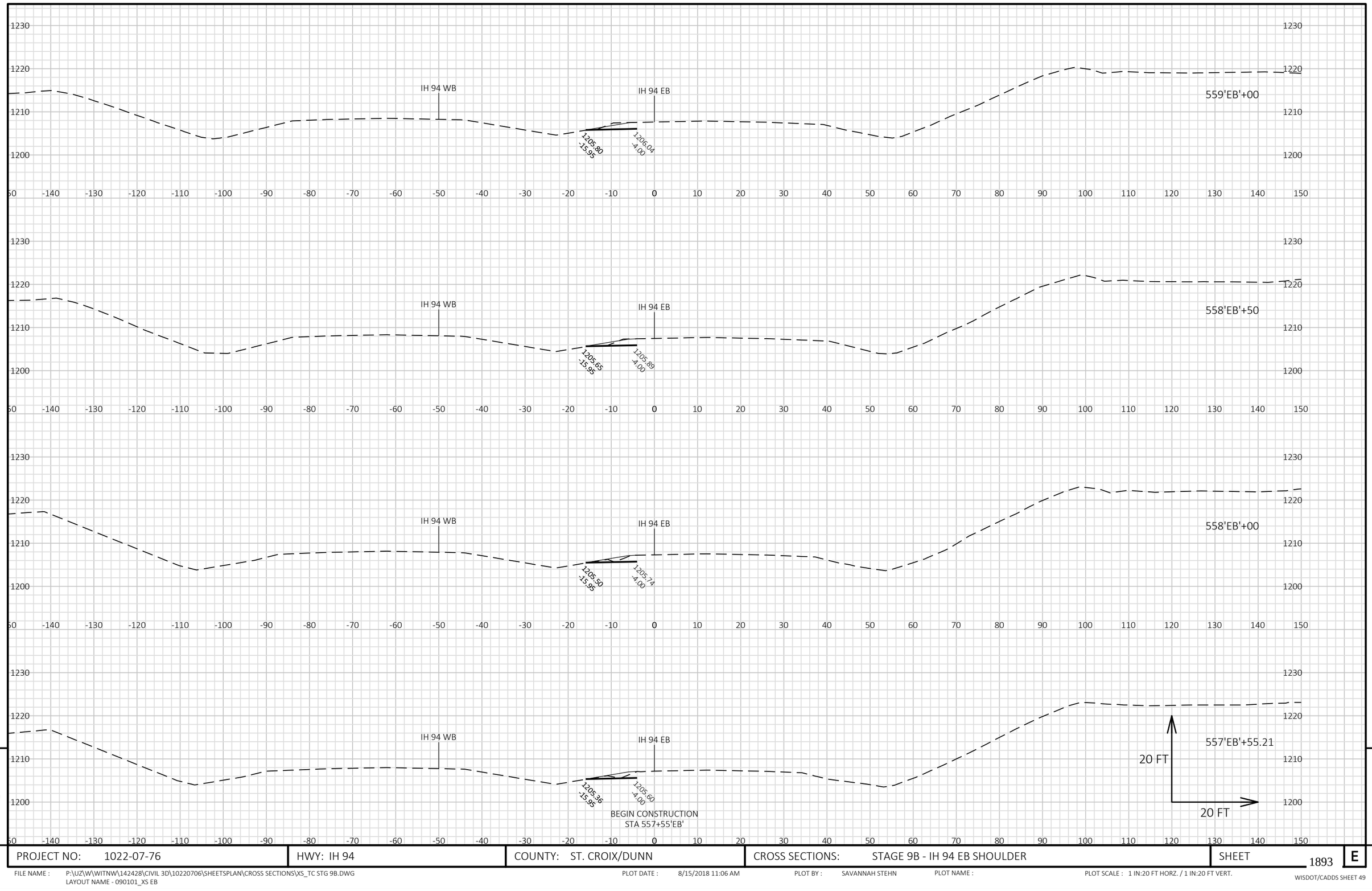
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 WB SHOULDER	SHEET 1892	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090175_XS WB

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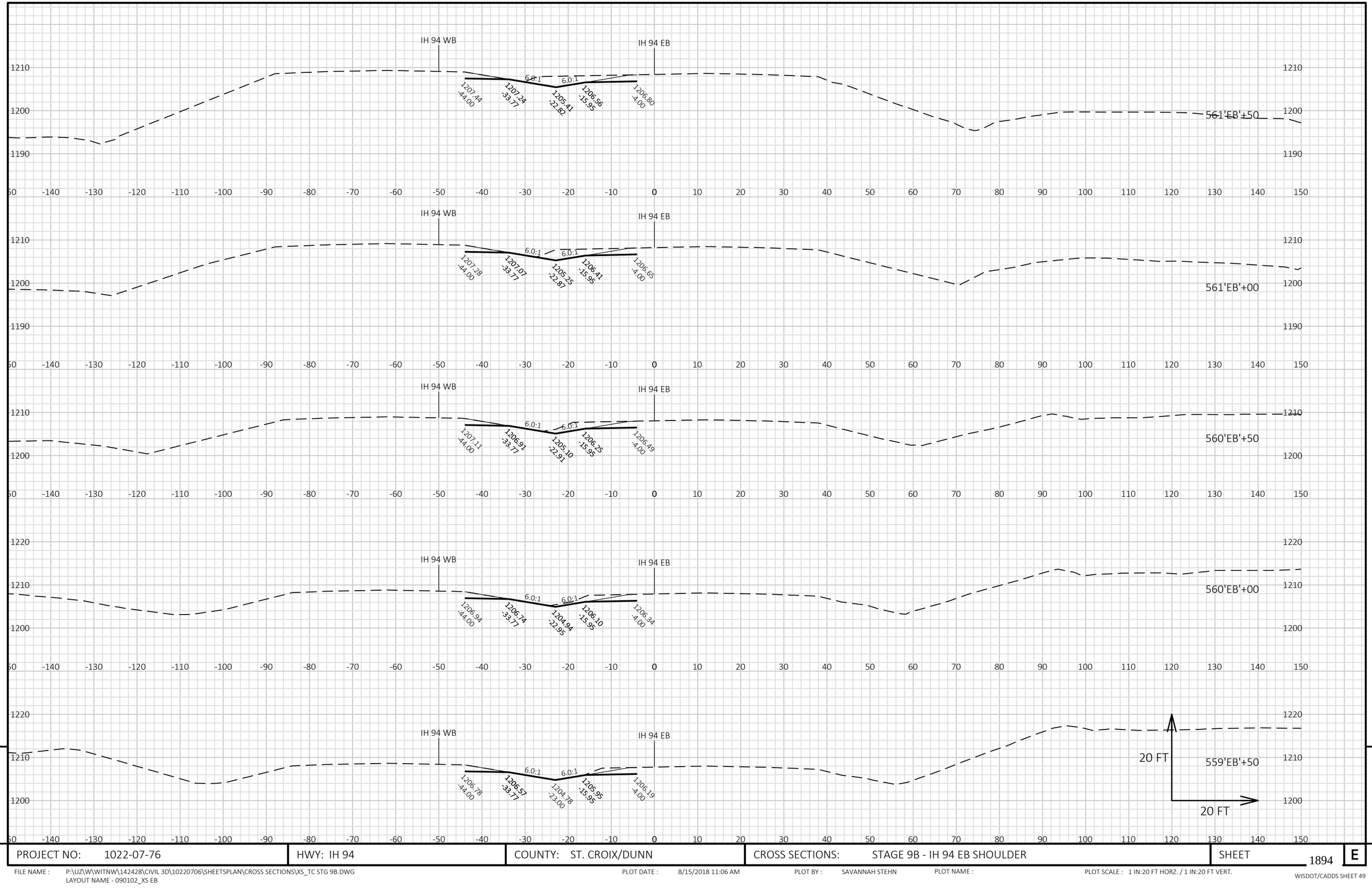


PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 EB SHOULDER	SHEET 1893	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090101_XS EB

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WISDOT/CADDS SHEET 49



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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 EB SHOULDER	SHEET 1894	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090102_XS EB

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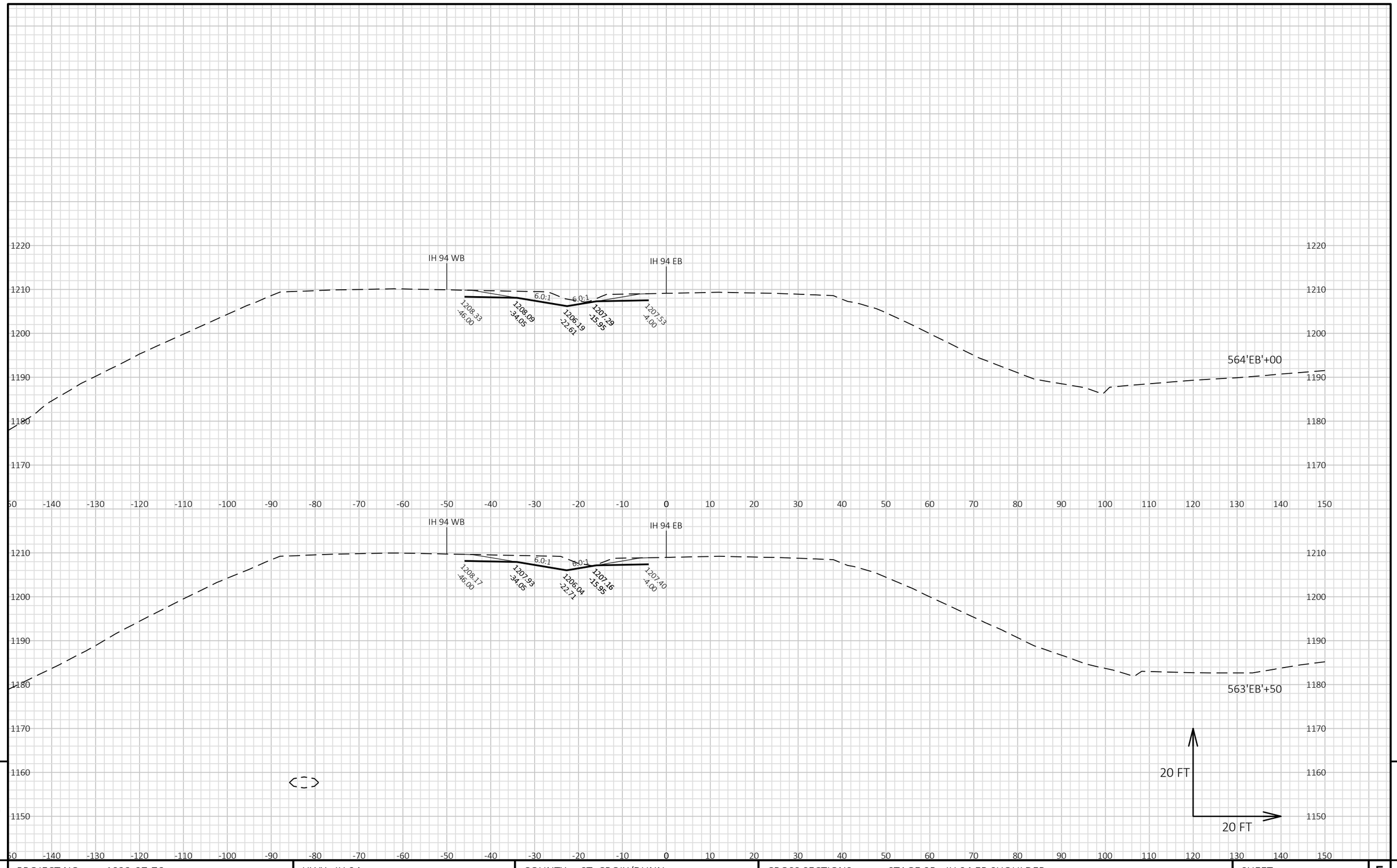
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 EB SHOULDER	SHEET 1895	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090103_XS EB

PLOT DATE : 8/15/2018 11:07 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



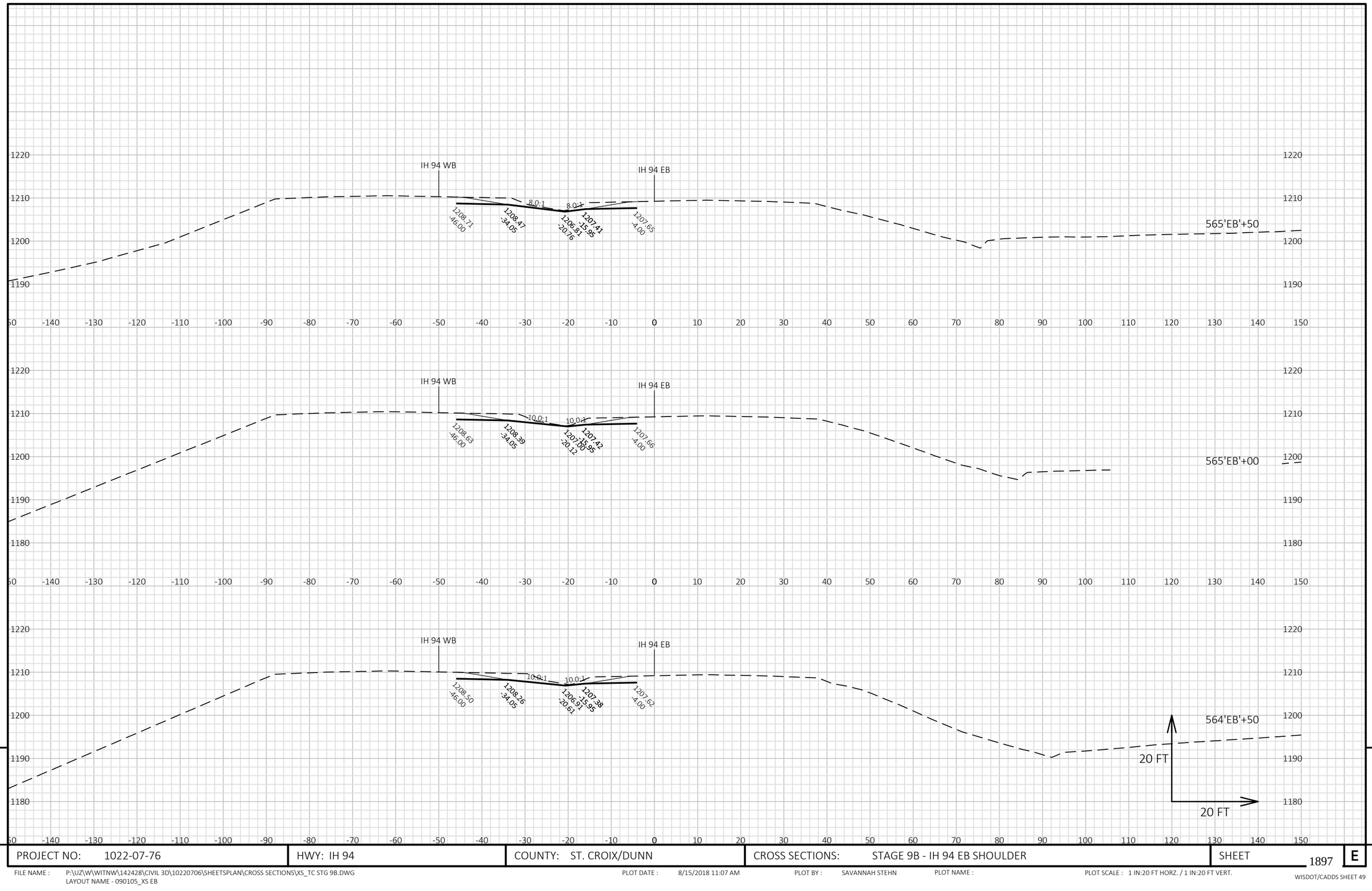
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 EB SHOULDER	SHEET 1896	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090104_XS EB

PLOT DATE : 8/15/2018 11:07 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



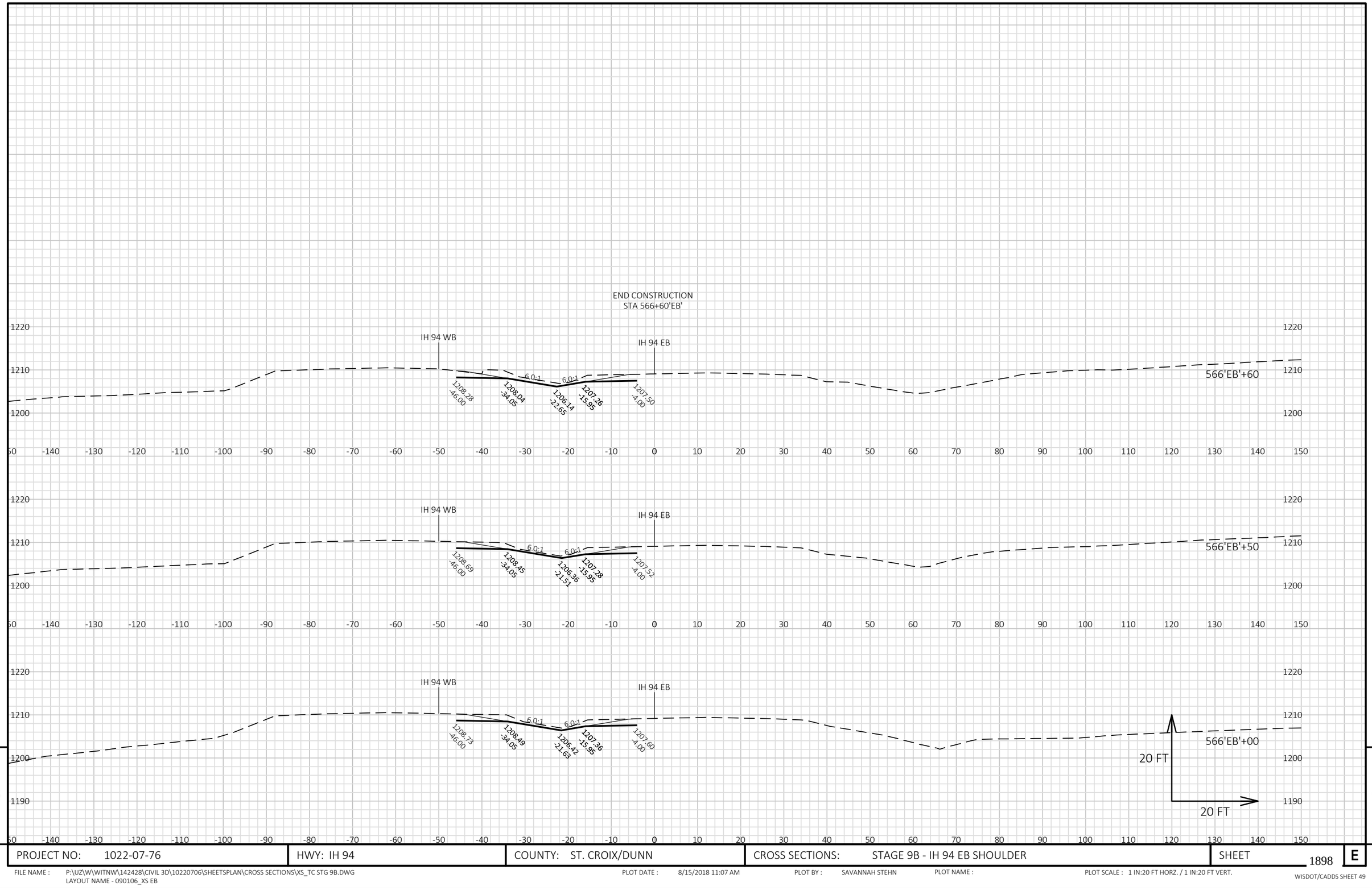
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 EB SHOULDER	SHEET 1897	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090105_XS EB

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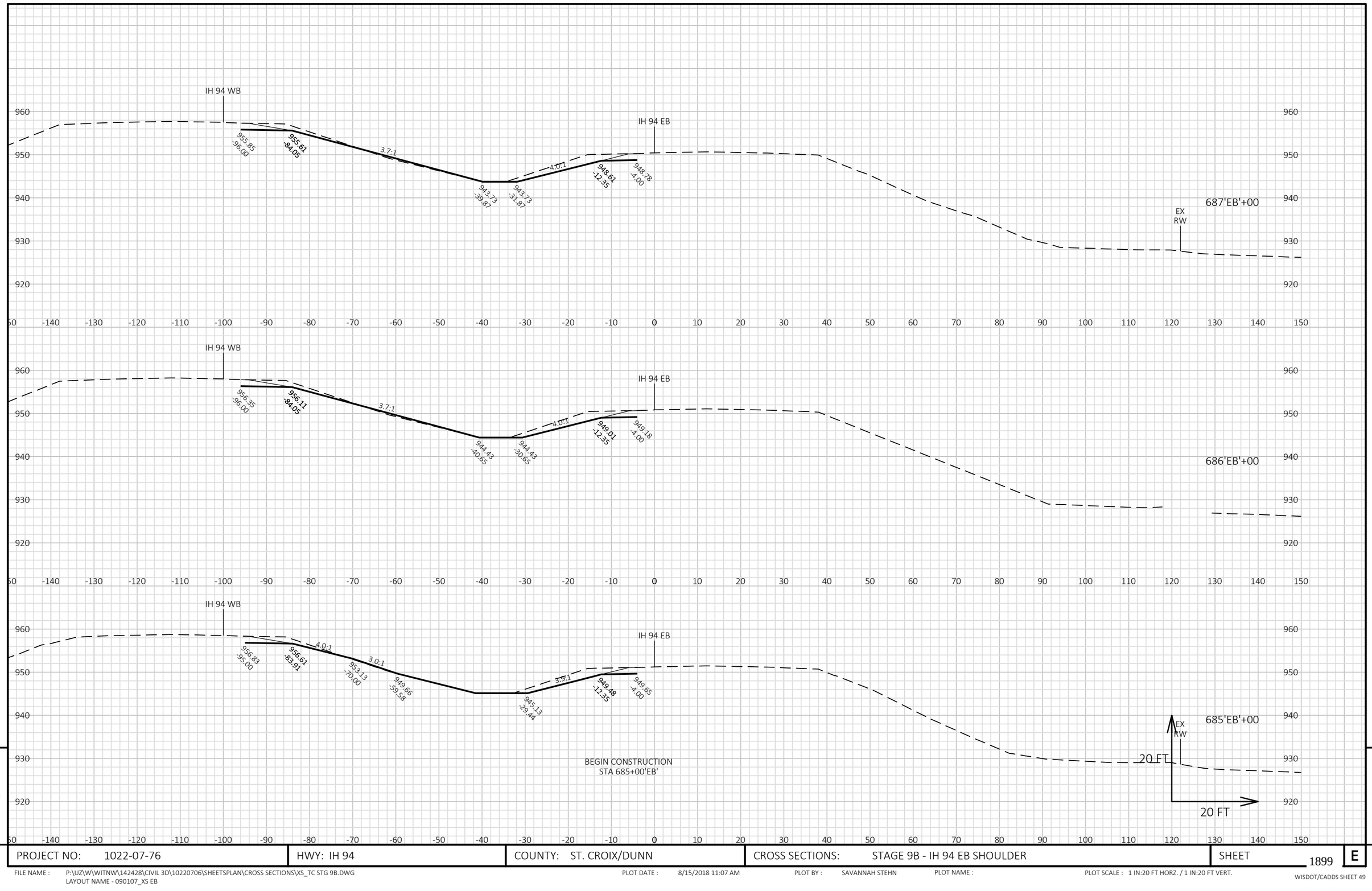
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 EB SHOULDER	SHEET 1898	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090106_XS EB

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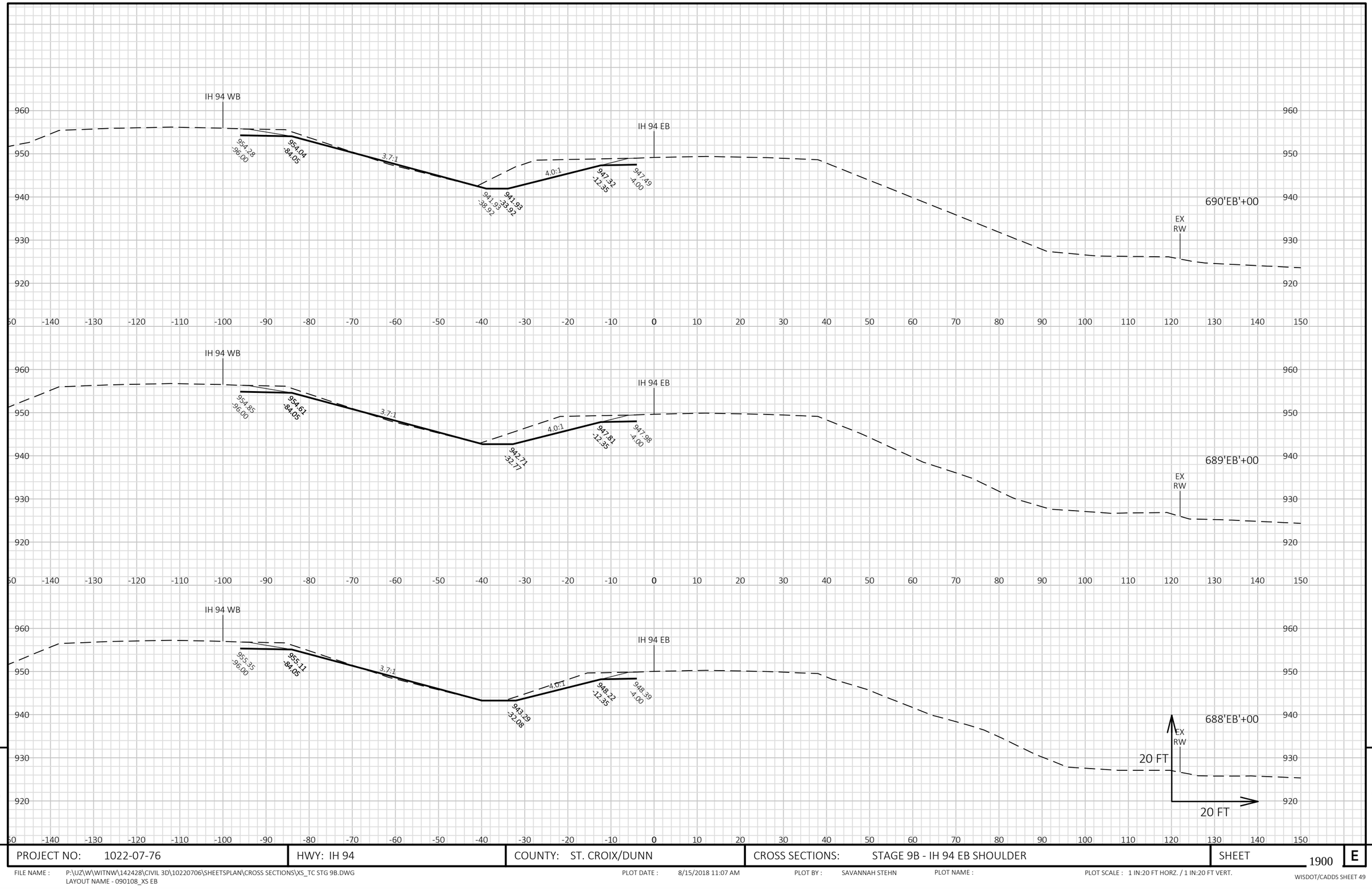
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 EB SHOULDER	SHEET 1899	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090107_XS EB

PLOT DATE : 8/15/2018 11:07 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



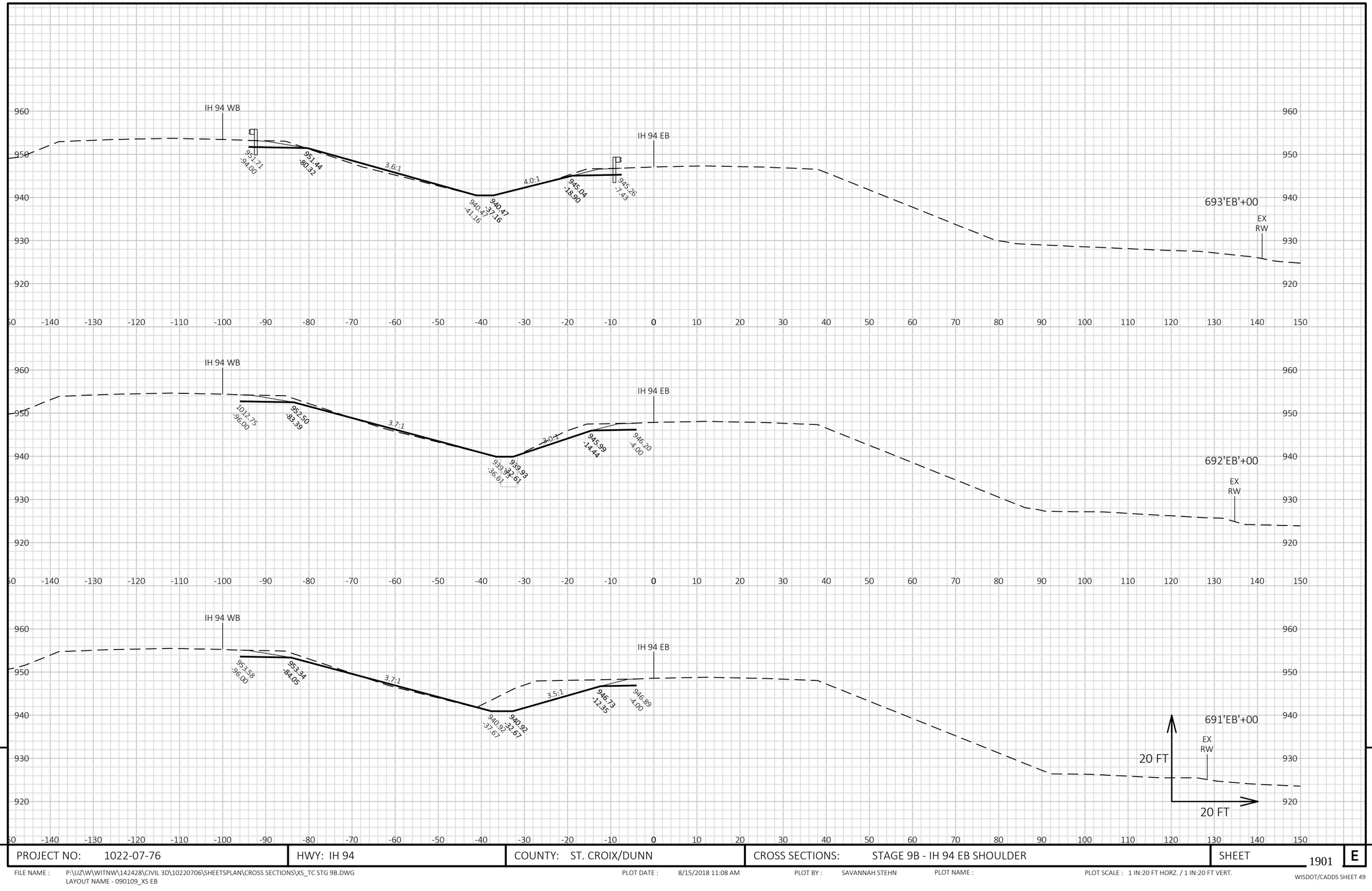
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 EB SHOULDER	SHEET 1900	E

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PLOT DATE : 8/15/2018 11:07 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



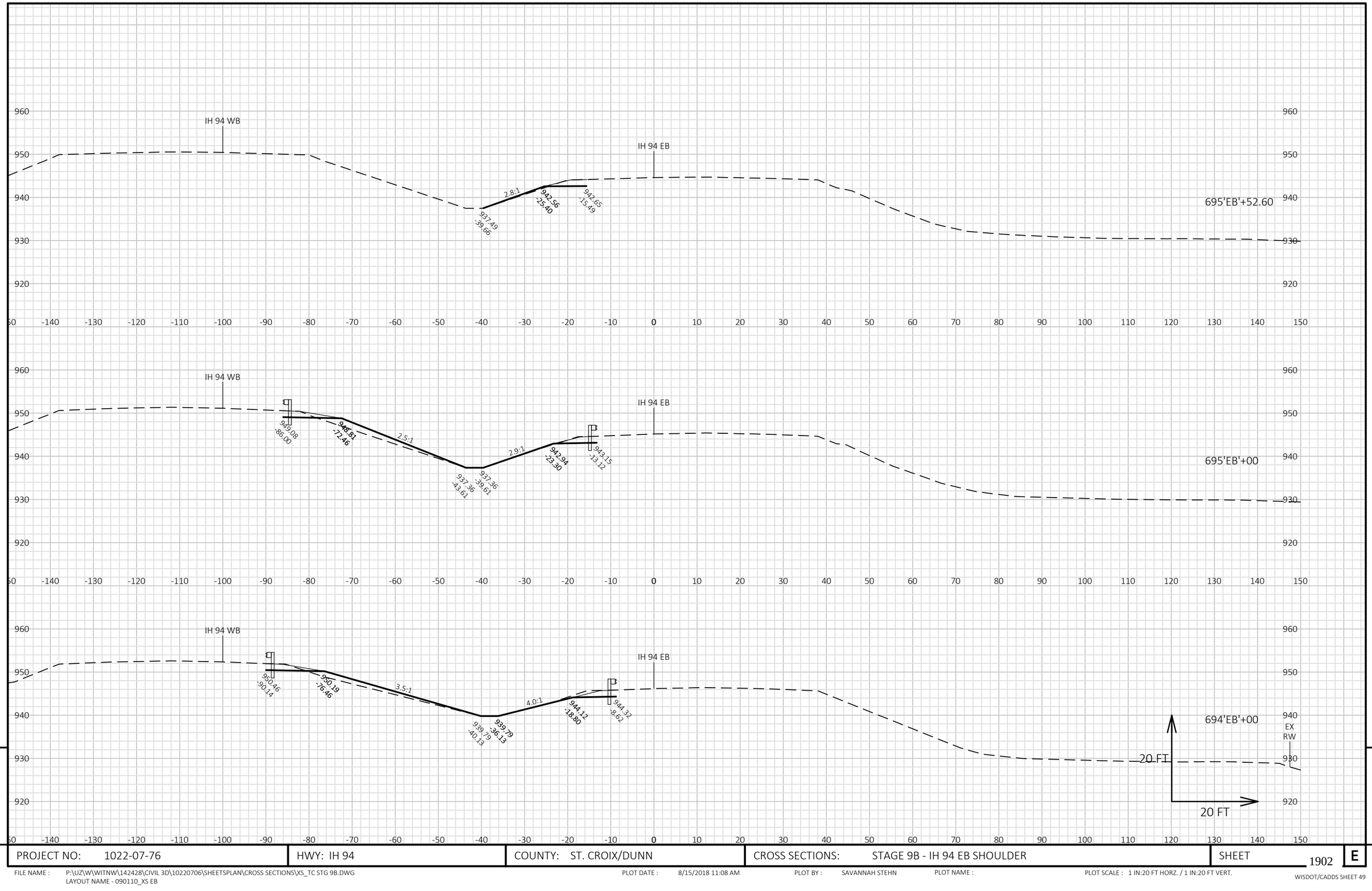
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 EB SHOULDER	SHEET 1901	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090109_XS EB

PLOT DATE : 8/15/2018 11:08 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



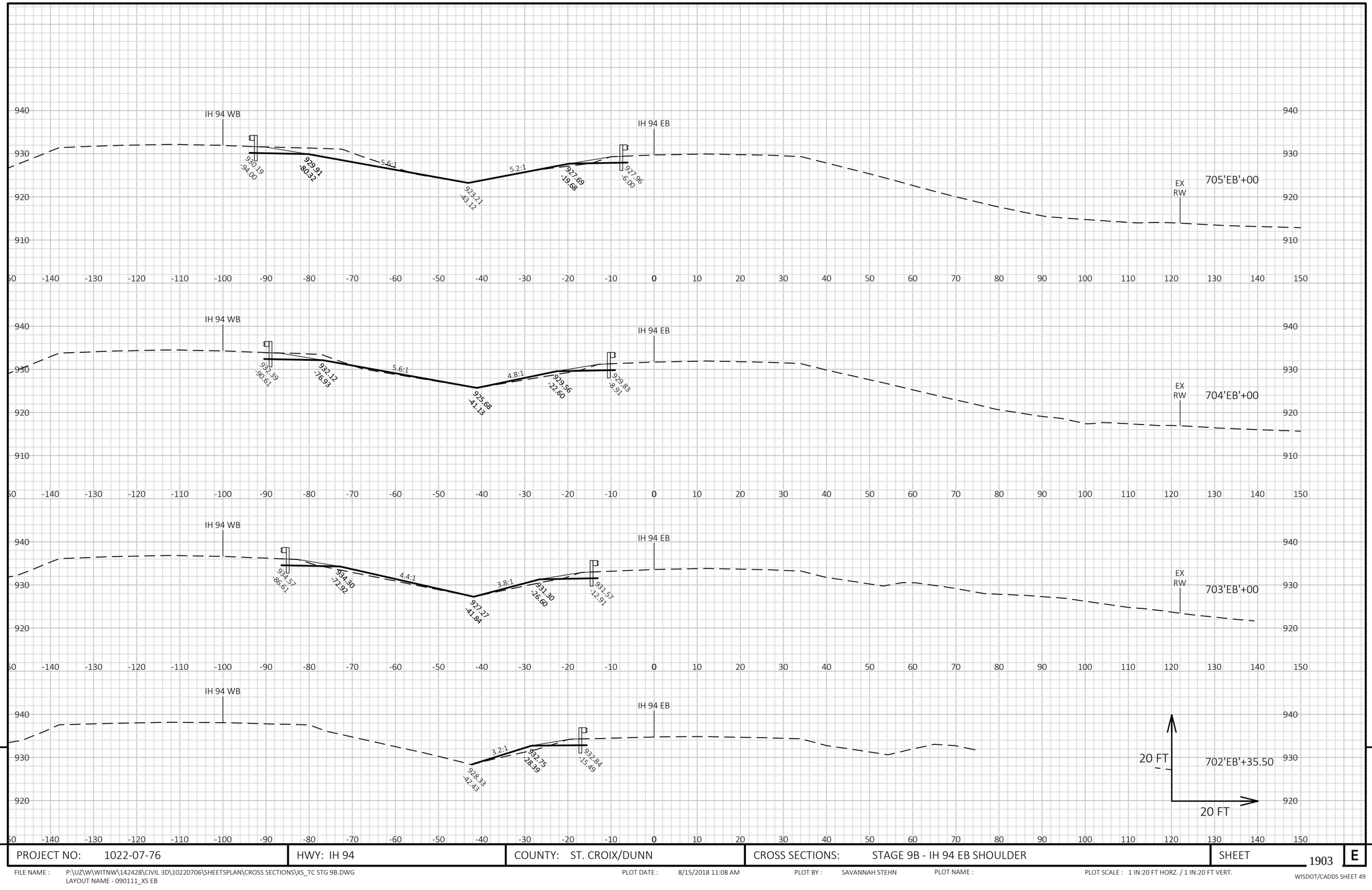
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PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 EB SHOULDER	SHEET 1902	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090110_XS EB

PLOT DATE : 8/15/2018 11:08 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1022-07-76	HWY: IH 94	COUNTY: ST. CROIX/DUNN	CROSS SECTIONS: STAGE 9B - IH 94 EB SHOULDER	SHEET 1903	E

FILE NAME : P:\UZ\W\WITNW\142428\CIVIL 3D\10220706\SHEETSPLAN\CROSS SECTIONS\XS_TC STG 9B.DWG
LAYOUT NAME - 090111_XS EB

PLOT DATE : 8/15/2018 11:08 AM PLOT BY : SAVANNAH STEHN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

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Wisconsin Department of Transportation

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