PROJECT ID: 1021-01-70

WITH:

COUNTY: ST. CROIX

ORDER OF SHEETS

TOTAL SHEETS =

N

DESIGN DESIGNATION 1021-01-00

A.A.D.T.	2016	=	3800
A.A.D.T.	2026	=	4250
D.H.V.		=	16.3
D.D.		=	58/42
T.		=	25.4
DESIGN SPEED		=	50 MPH & 60 MPH
ESALS		=	4,606,300

CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

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

UTILITIES

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

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

BALDWIN - MENOMONIE

STH 128 BRIDGE B-55-0266

IH 94

ST. CROIX

STATE PROJECT NUMBER
1021-01-70

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1021-01-70		

Wis. Admin. Code § Trans 220

PROJECT PLAN

APPROVED FOR DESIGN

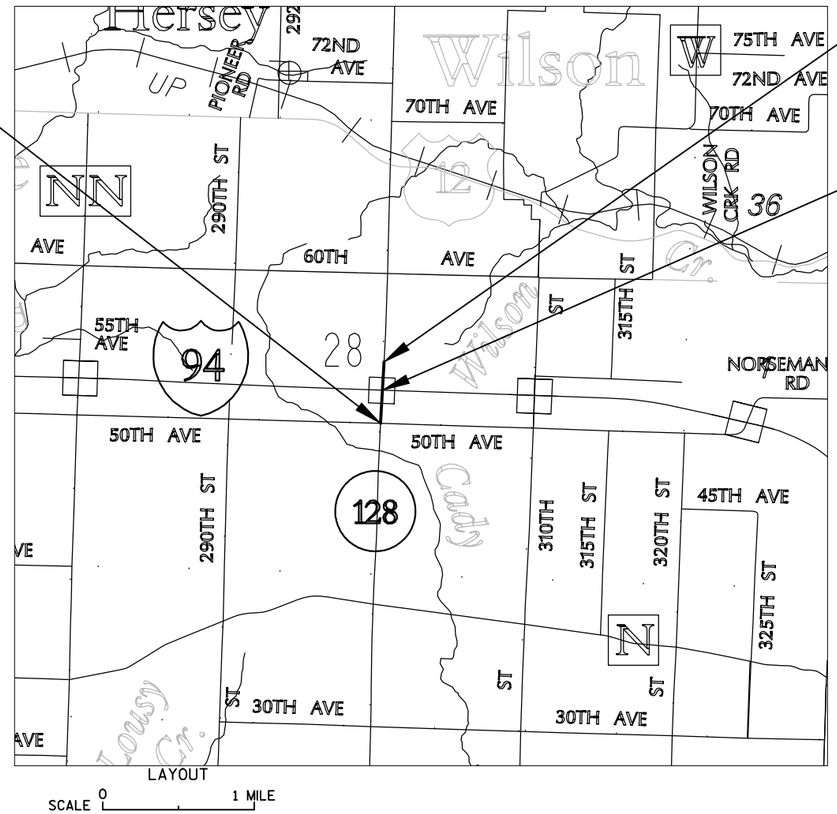
OF UTILITY ADJUSTMENTS

Date: October 19, 2015

BEGIN PROJECT
STA 237+21.96

END PROJECT
STA 265+06.96

STRUCTURE
B-55-0266



LAYOUT

SCALE 0 1 MILE

TOTAL NET LENGTH OF CENTERLINE = 0.527

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, ST. CROIX COUNTY, NAD83 (2001), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	NW REGION
Designer	KOU THAO
Project Manager	STACIE LAMBELE
Regional Examiner	CHRISTINE KOSKI
Regional Supervisor	RICHARD SHERMO

APPROVED FOR THE DEPARTMENT

DATE: _____ _____ (Signature)

E

GENERAL NOTES

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

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

THE EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S EROSION CONTROL IMPLEMENTATION PLAN (ECIP) AND APPROVED BY THE ENGINEER IN CONSULTATION WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES.

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

LOCATIONS FOR PERMANENT SIGNS SHOWN ON THE PLAN ARE APPROXIMATE. ACTUAL LOCATIONS OF PERMANENT SIGNS ARE TO BE COORDINATED IN THE FIELD BY THE ENGINEER.

10-INCH HMA PAVEMENT SHALL BE CONSTRUCTED WITH TWO 2.5-INCH E-3 LOWER LAYERS AND TWO 2.5-INCH E-10 UPPER LAYERS.

7-INCH HMA PAVEMENT SHALL BE CONSTRUCTED WITH TWO 2.5-INCH E-3 LOWER LAYERS AND ONE 2-INCH E-10 UPPER LAYER.

DETAILS OF INSTALLATION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS PLAN SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, SPECIAL PROVISIONS, STANDARD DETAILS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

DNR LIAISON

CHRIST WILLGER
1300 W CLAIREMONT AVE
PO BOX 4001
EAU CLAIRE, WI 54702
715-839-1609
ChristopherJ.Willger@wisconsin.gov

UTILITY CONTACTS

COMMUNICATION LINE

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

CENTURYLINK COMMUNICATIONS
BOB SAMPSON
1310 E. MARY STREET
OTTUMWA, IA 52501
641-684-4106 (OFFICE)
636-887-5367 (MOBILE)
Robert.Sampson@Centurylink.com

LEVEL 3 COMMUNICATIONS
BRADLEY J. MORSETH
715 NORTH 2ND STREET
MINNEAPOLIS, MN 55401
612-343-3257 (OFFICE)
612-805-9479 (MOBILE)
brad.morseth@level3.com
COPY ALL CORRESPONDENCE TO:
Level3.networkrelocations@level3.com

WEST WISCONSIN TELCOM COOPERATIVE
GARY WAYNE
PO BOX 115
DOWNSVILLE, WI 54735
715-308-1915 (MOBILE)
garyw@wwt.net

ELECTRICITY - DISTRIBUTION

ST CROIX ELECTRIC COOPERATIVE
ROB DOOLEY
1925 RIDGEWAY STREET
PO BOX 160
HAMMOND, WI 54015-0160
715-796-7000 (OFFICE)
800-924-3407 (OFFICE)
RobDoo@scecnet.net

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

GAS

WE ENERGIES
24-HOUR EMERGENCY (GAS)
800-261-5325
LEWIS KNAPP
104 W. SOUTH STREET
RICE LAKE, WI 54868
715-234-9605 (OFFICE)
715-419-2196 (MOBILE)
Lewis.Knapp@we-energies.com

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

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

2

2

END PROJECT
STA 265+06.96

N

PARK & RIDE

IH 94 WB

B-55-0266

IH 94 EB

STH 128

BEGIN PROJECT
STA 237+21.96

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	PROJECT OVERVIEW	SHEET	E

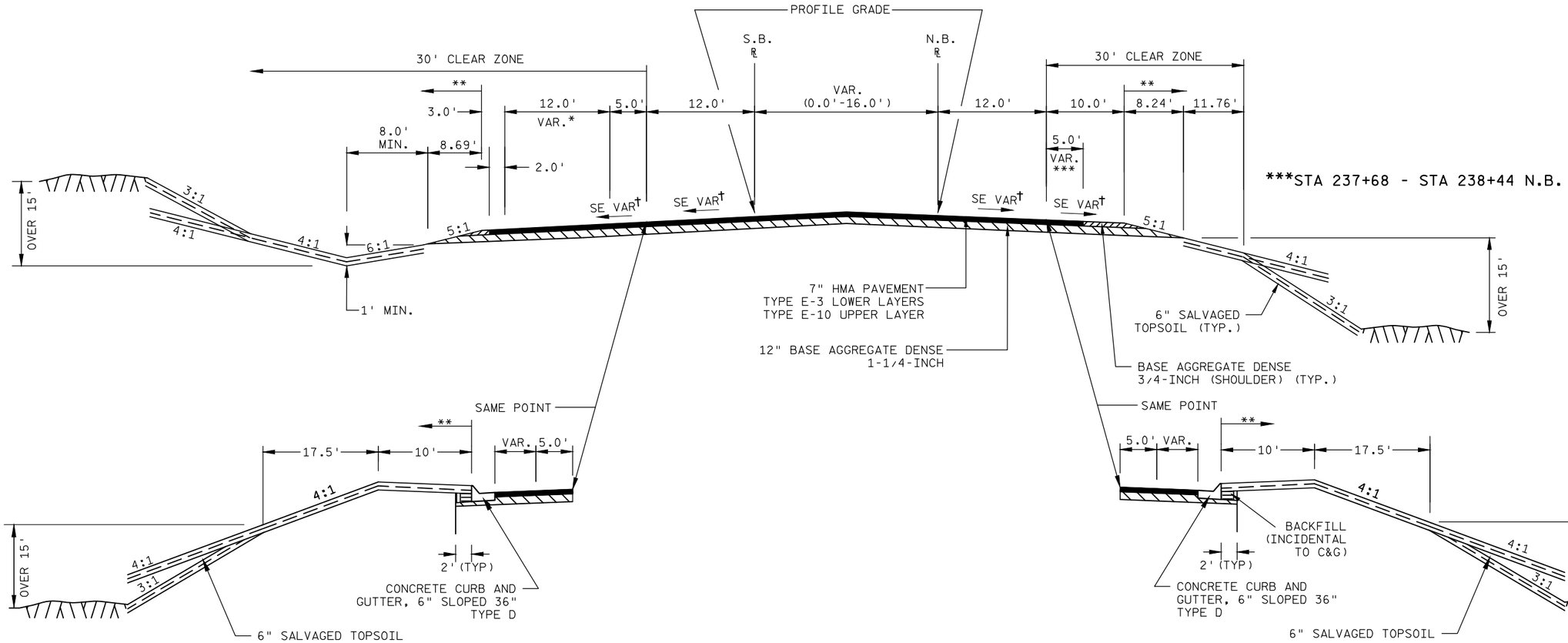
FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\050301_PLN_PROJECT_OVERVIEW_STH128_10210100.DWG
LAYOUT NAME - ****

PLOT DATE : 9/3/2015 7:00 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:400 FT

** SEE EROSION CONTROL PLAN FOR SEEDING, FERTILZING, MULCHING, AND EROSION MAT.

†SE VAR TO A 0.06% MAX SUPER
NOR.=0.02% ROADWAY
NOR.=0.04% SHOULDER

*STA 239+87 - STA 240+44 S.B.



STA 237+21.96 - STA 237+87 S.B.

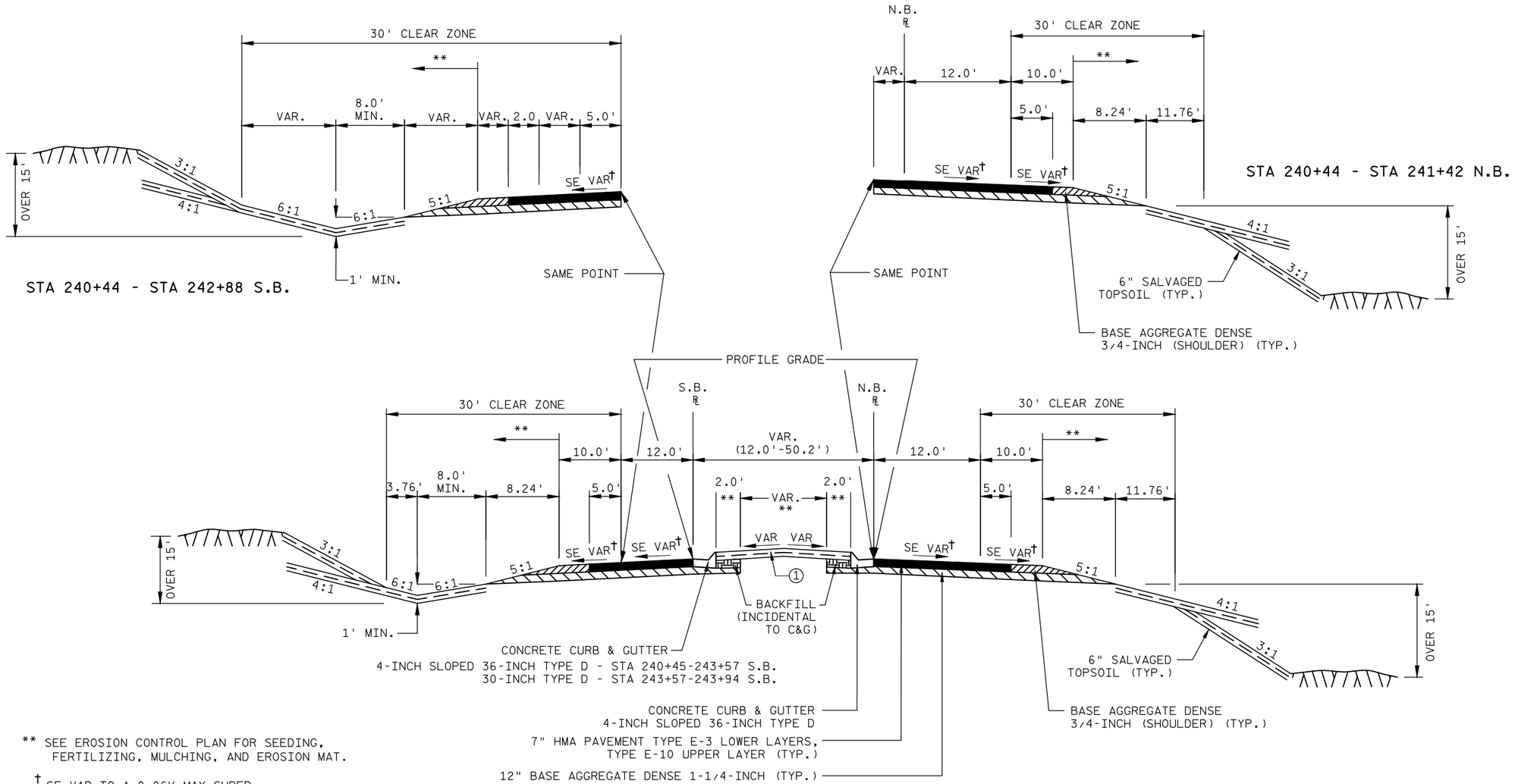
STA 237+21.96 - STA 237+68 N.B.

FINISHED TYPICAL SECTION
STH 128

STA 237+21.96'NB' - STA 240+44'NB'
STA 237+21.96'SB' - STA 240+44'SB'

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	TYPICAL FINISHED SECTION: STH 128	SHEET _____	E

2



** SEE EROSION CONTROL PLAN FOR SEEDING, FERTILIZING, MULCHING, AND EROSION MAT.

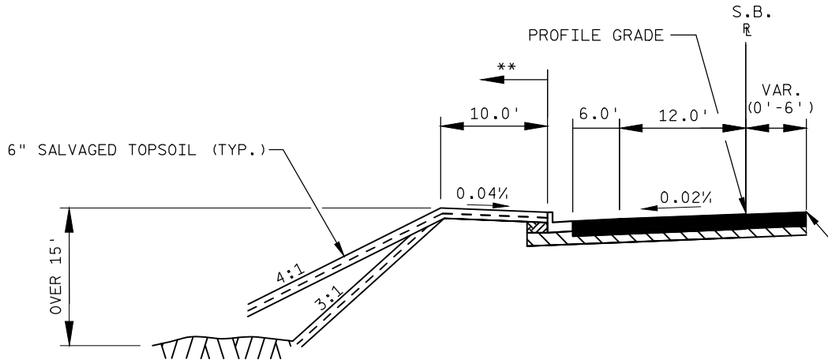
† SE VAR TO A 0.06% MAX SUPER
NOR.=0.02% ROADWAY
NOR.=0.04% SHOULDER

FINISHED TYPICAL SECTION
STH 128

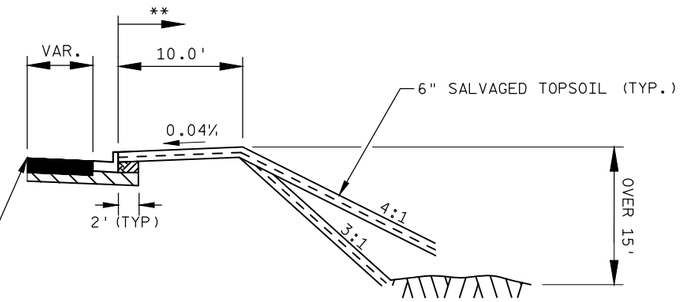
STA 240+44'NB' - STA 242+95'NB'
STA 240+44'SB' - STA 244+09'SB'

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	TYPICAL FINISHED SECTION: STH 128	SHEET _____	E

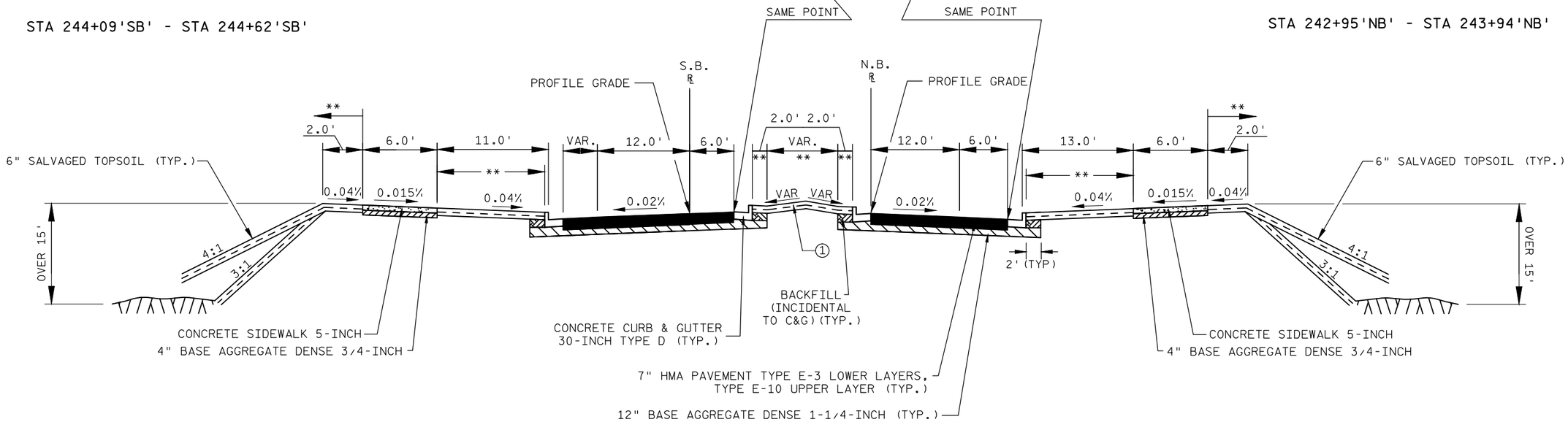
FILE NAME : N:±PDS±C3D±10210100±DESIGN±PLANS PRODUCTION±020302-TS-STH128.DWG PLOT DATE : 10/2/2015 7:31 AM PLOT BY : THAO, KOU PLOT NAME : ---------- PLOT SCALE : 1IN:15 FT



STA 244+09'SB' - STA 244+62'SB'



STA 242+95'NB' - STA 243+94'NB'



** SEE EROSION CONTROL PLAN FOR SEEDING, FERTILIZING,MULCHING AND EROSION MAT.

① STA 243+94 - 244+88 N.B.
CONCRETE SIDEWALK 6-INCH
OVER 4" BASE AGGREGATE
DENSE 3/4-INCH

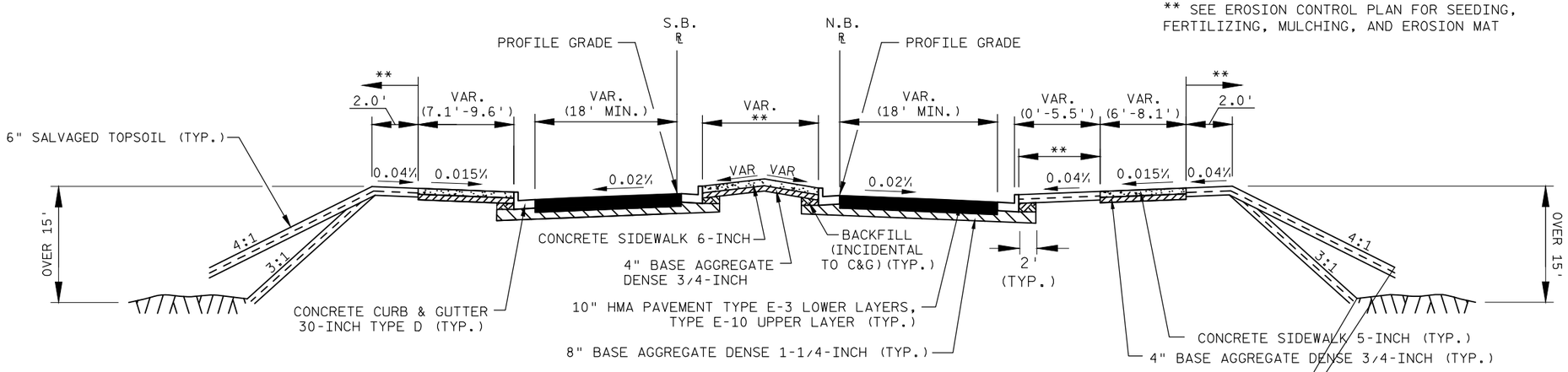
FINISHED TYPICAL SECTION
STH 128

STA 242+95'NB' - STA 244+88'NB'
STA 244+09'SB' - STA 245+17'SB'

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	TYPICAL FINISHED SECTION: STH 128	SHEET _____	E

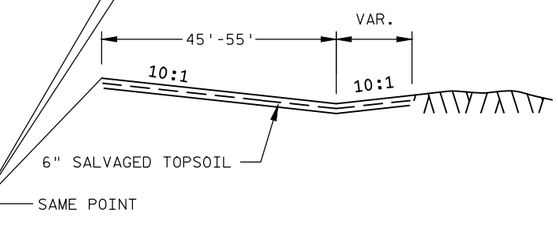
2

** SEE EROSION CONTROL PLAN FOR SEEDING, FERTILIZING, MULCHING, AND EROSION MAT

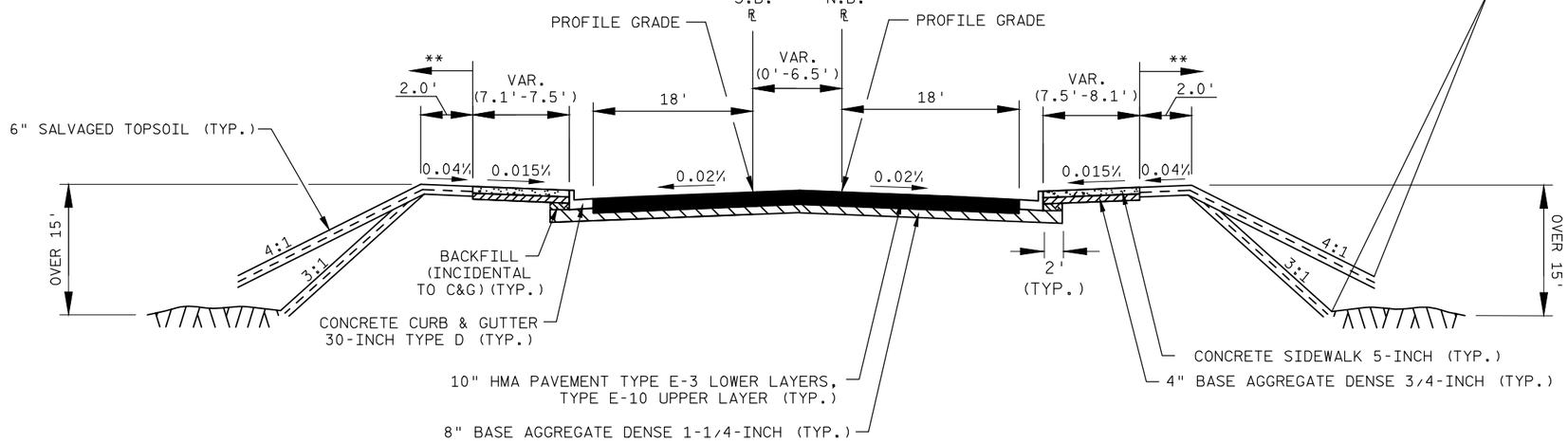


FINISHED TYPICAL SECTION
STH 128

STA 246+66'NB' - STA 247+23'NB'
STA 246+90'SB' - STA 247+42'SB'



STA 246+66'NB' - STA 247+64'NB'



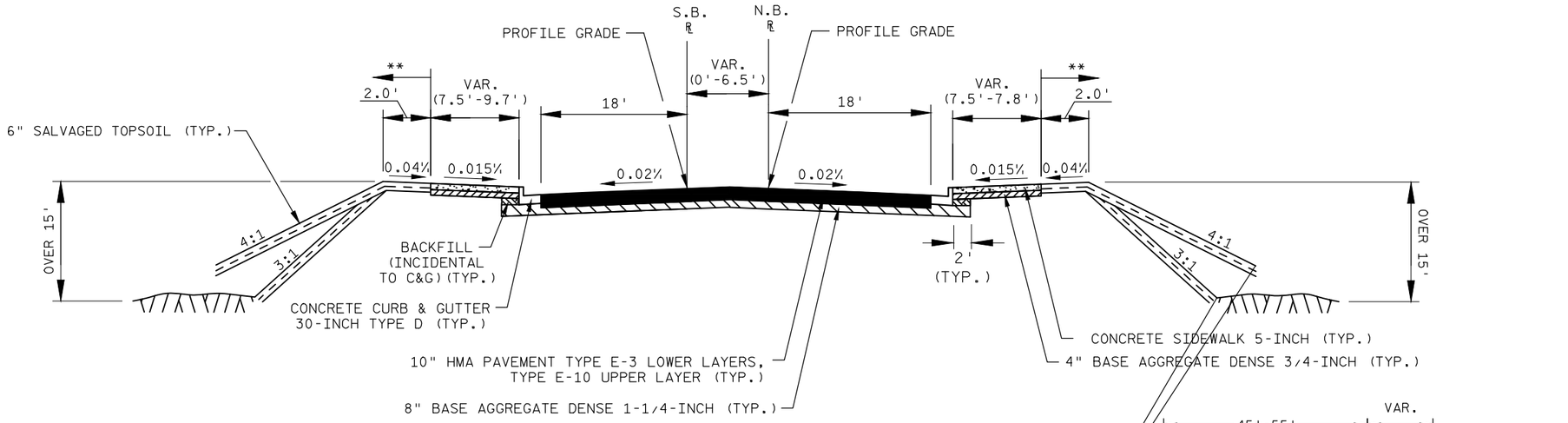
FINISHED TYPICAL SECTION
STH 128

STA 247+23'NB' - STA 247+64'NB'
STA 247+42'SB' - STA 247+83'SB'

** SEE EROSION CONTROL PLAN FOR SEEDING, FERTILIZING, MULCHING, AND EROSION MAT

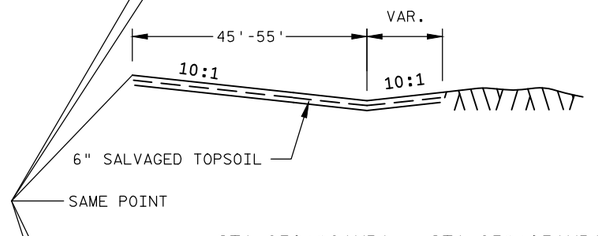
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	TYPICAL FINISHED SECTION: STH 128	SHEET _____	E

FILE NAME : N:±PDS±C3D±10210100±DESIGN±PLANS PRODUCTION±020302-TS-STH128.DWG PLOT DATE : 10/2/2015 7:31 AM PLOT BY : THAO, KOU PLOT NAME : ---------- PLOT SCALE : 1IN:15 FT
WISDOT/CADDS SHEET 42

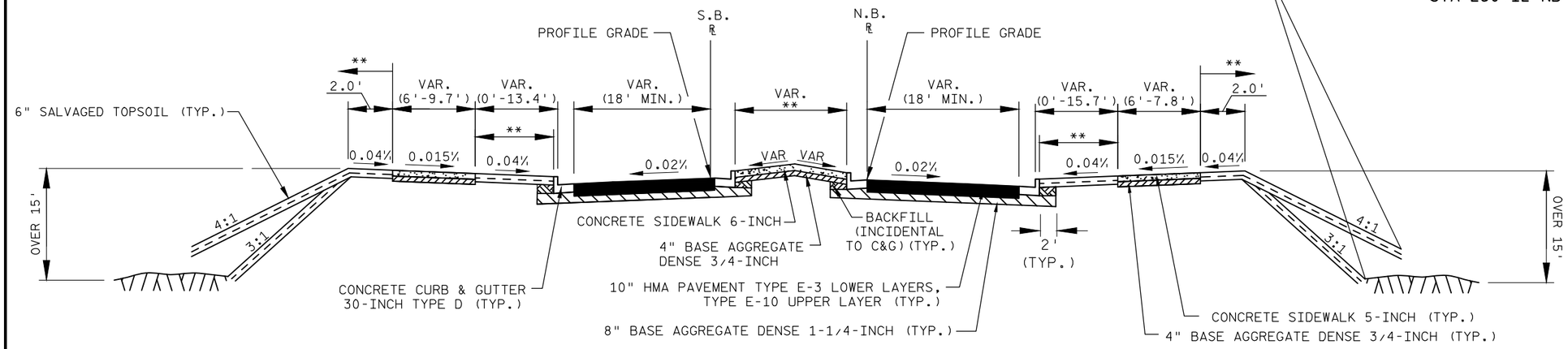


FINISHED TYPICAL SECTION
STH 128

STA 250+12'NB' - STA 250+52'NB'
STA 250+30'SB' - STA 250+71'SB'



STA 250+12'NB' - STA 251+05'NB'



FINISHED TYPICAL SECTION
STH 128

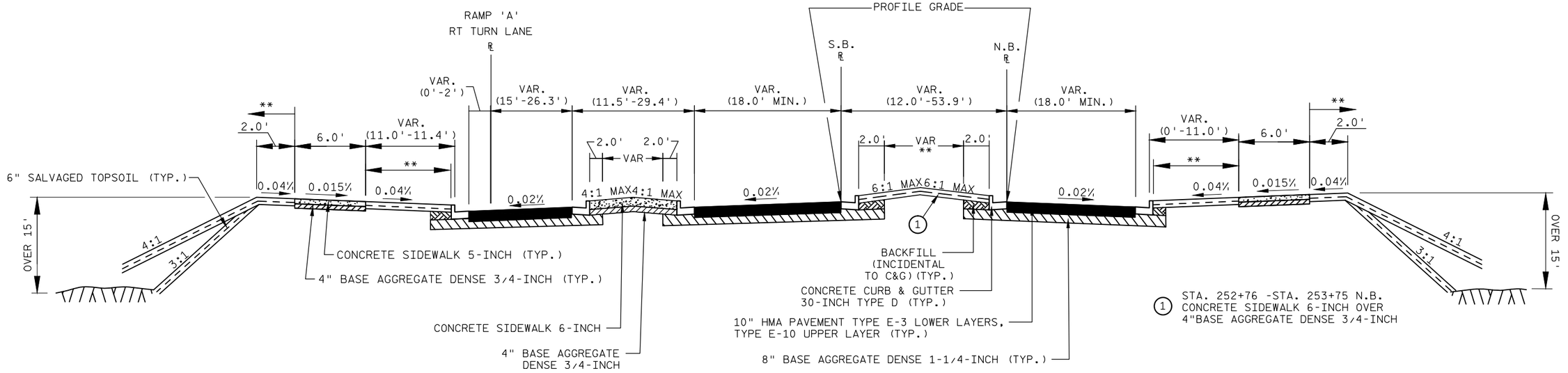
STA 250+52'NB' - STA 251+05'NB'
STA 250+71'SB' - STA 251+30'SB'

** SEE EROSION CONTROL PLAN FOR SEEDING, FERTILIZING, MULCHING, AND EROSION MAT

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	TYPICAL FINISHED SECTION: STH 128	SHEET _____	E

2

** SEE EROSION CONTROL PLAN FOR SEEDING,
FERTILIZING, MULCHING, AND EROSION MAT



FINISHED TYPICAL SECTION
STH 128

STA. 252+76'NB' - STA. 253+75'NB'
STA. 253+26'SB' - STA. 255+18'SB'
STA. 263+98'AB' - STA. 265+47'AB', RAMP A RT TURN LANE

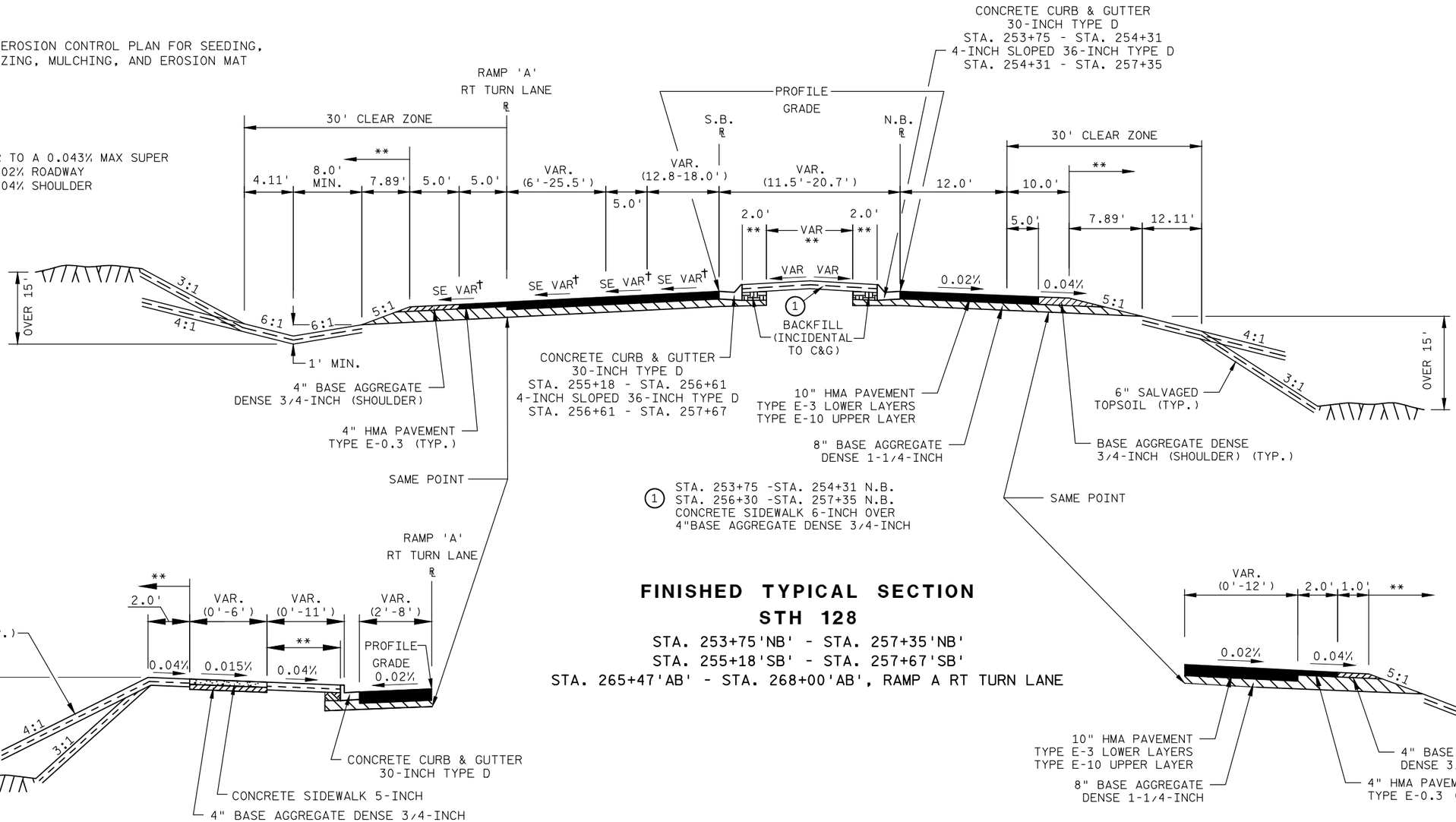
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	TYPICAL FINISHED SECTION: STH 128	SHEET _____	E

FILE NAME : N:±PDS±C3D±10210100±DESIGN±PLANS PRODUCTION±020302-TS-STH128.DWG PLOT DATE : 10/2/2015 7:31 AM PLOT BY : THAO, KOU PLOT NAME : ---------- PLOT SCALE : 1IN:15 FT
WISDOT/CADDS SHEET 42

2

** SEE EROSION CONTROL PLAN FOR SEEDING, FERTILIZING, MULCHING, AND EROSION MAT

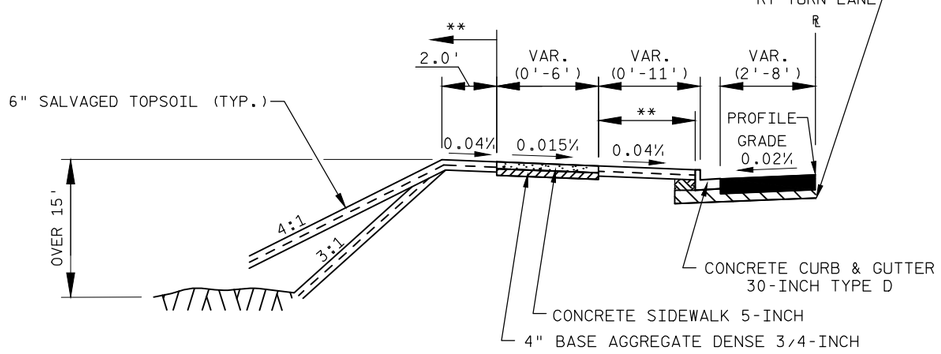
†SE VAR TO A 0.043⅛ MAX SUPER
NOR.=0.02⅛ ROADWAY
NOR.=0.04⅛ SHOULDER



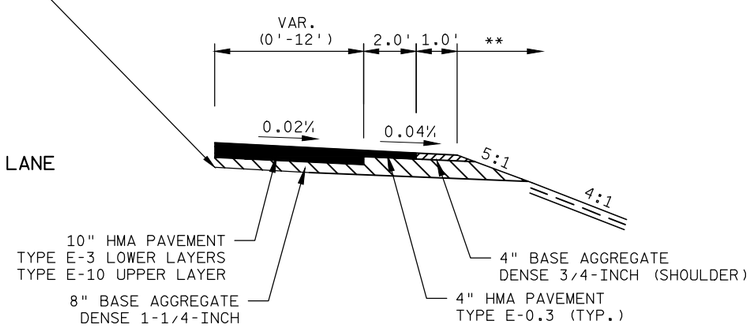
① STA. 253+75 -STA. 254+31 N.B.
STA. 256+30 -STA. 257+35 N.B.
CONCRETE SIDEWALK 6-INCH OVER
4"BASE AGGREGATE DENSE 3/4-INCH

FINISHED TYPICAL SECTION
STH 128

STA. 253+75'NB' - STA. 257+35'NB'
STA. 255+18'SB' - STA. 257+67'SB'
STA. 265+47'AB' - STA. 268+00'AB', RAMP A RT TURN LANE



STA. 255+18 - STA. 255+92 S.B.
STA. 265+47'AB' - STA. 266+23'AB', RAMP A RT TURN LANE



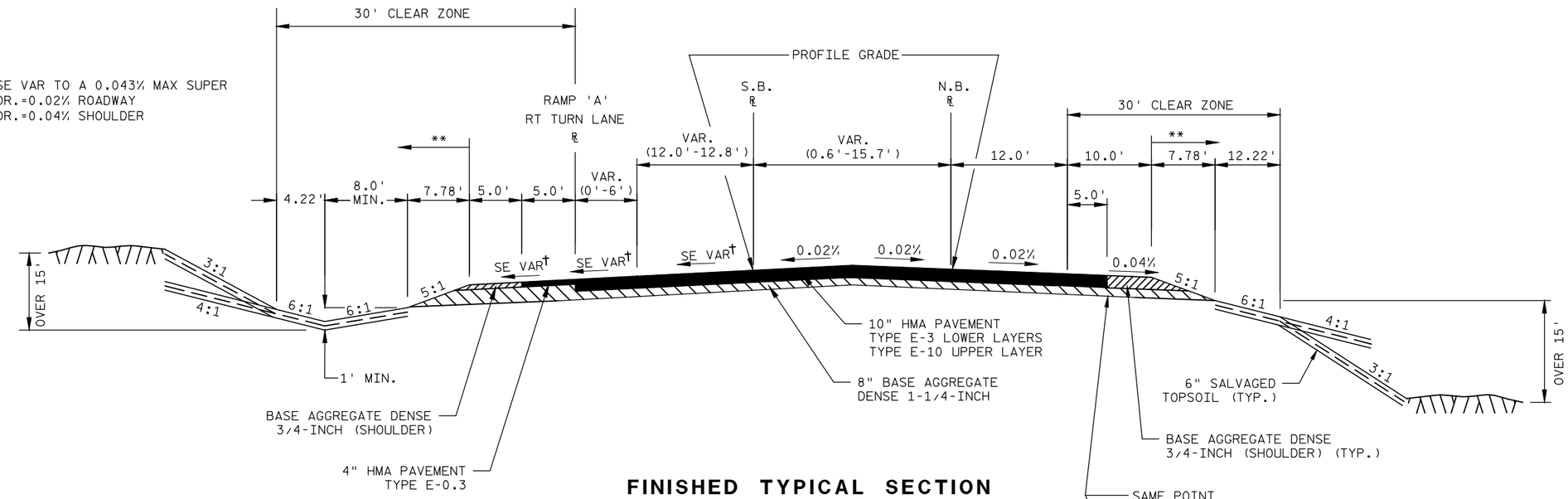
STA. 253+75'NB' - STA. 257+17'NB'

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	TYPICAL FINISHED SECTION: STH 128	SHEET _____	E

2

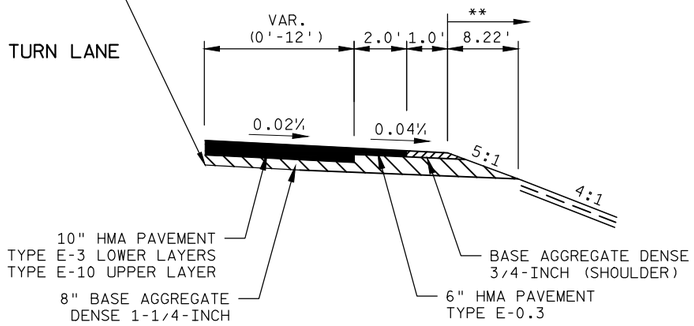
** SEE EROSION CONTROL PLAN FOR SEEDING, FERTILIZING, MULCHING, AND EROSION MAT

†SE VAR TO A 0.043⅛ MAX SUPER
NOR.=0.02⅛ ROADWAY
NOR.=0.04⅛ SHOULDER



FINISHED TYPICAL SECTION
STH 128

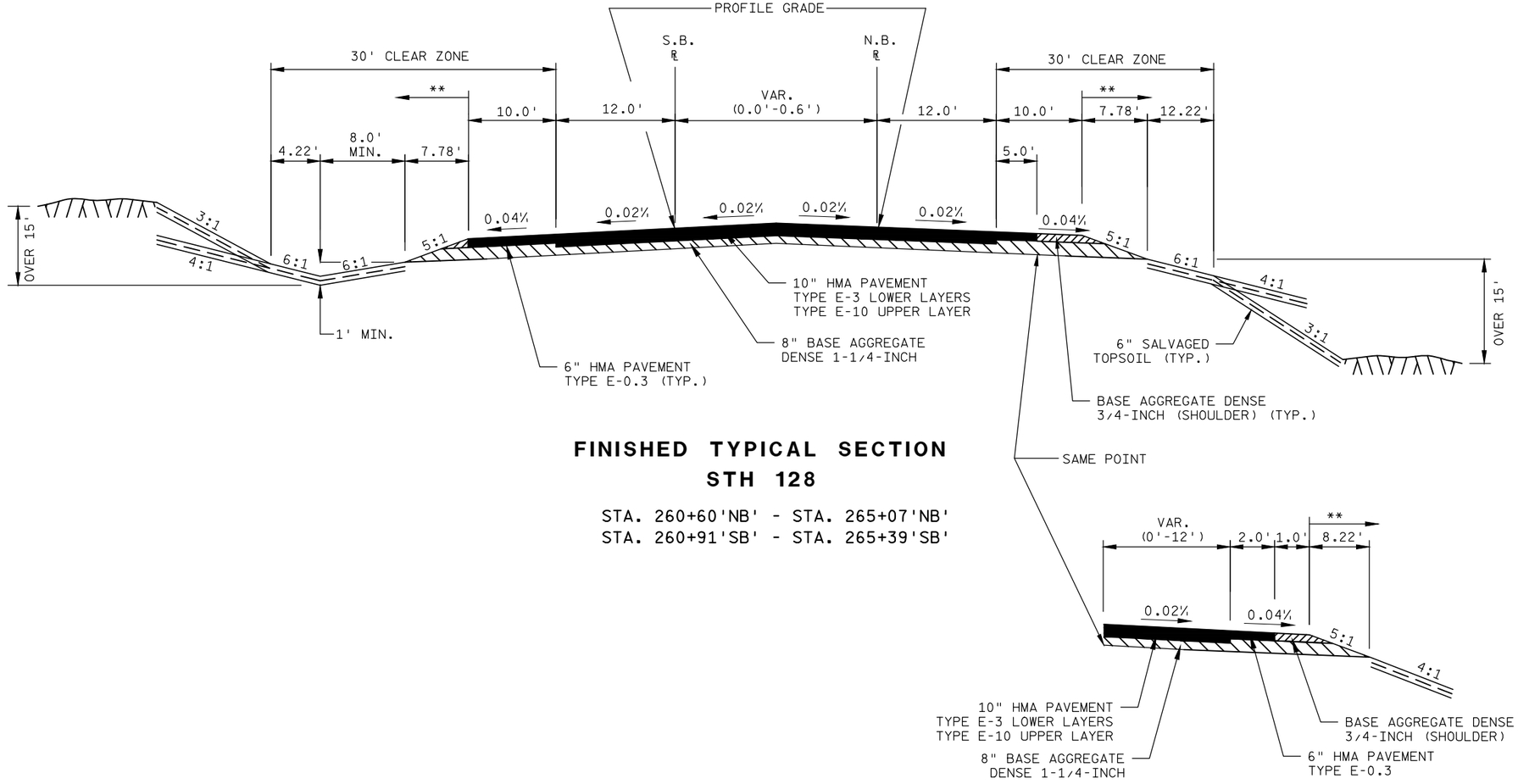
STA. 257+35'NB' - STA. 260+60'NB'
STA. 257+67'SB' - STA. 260+91'SB'
STA. 268+00'AB' - STA. 271+23'AB', RAMP A RT TURN LANE



STA. 258+09'NB' - STA. 260+60'NB'

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	TYPICAL FINISHED SECTION: STH 128	SHEET _____	E

** SEE EROSION CONTROL PLAN FOR SEEDING, FERTILIZING, MULCHING, AND EROSION MAT

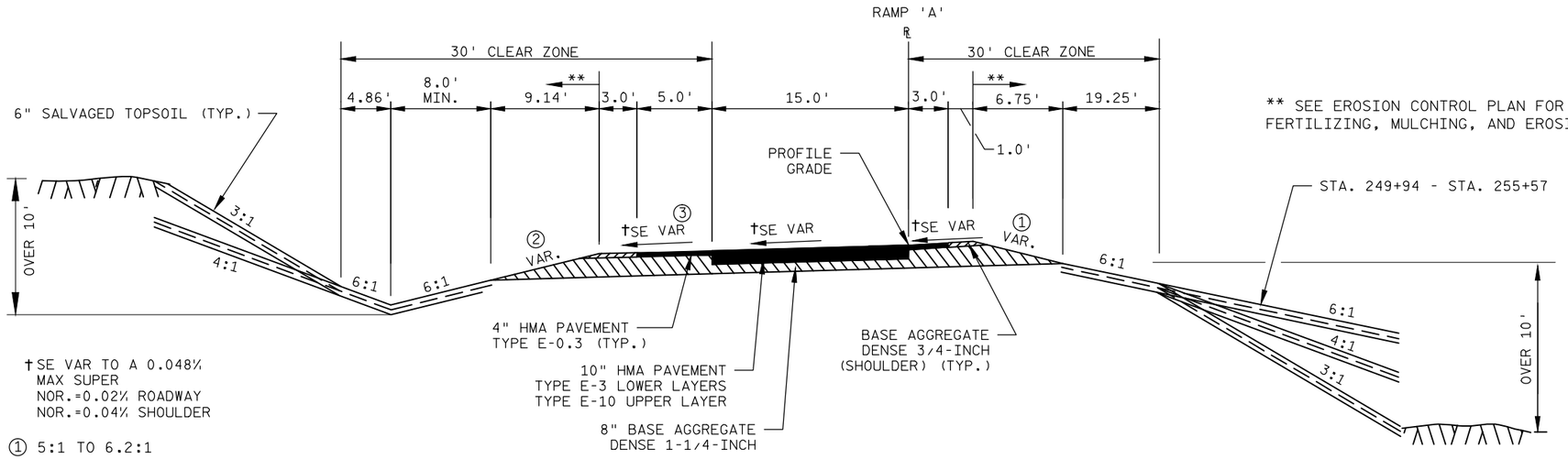


FINISHED TYPICAL SECTION
STH 128

STA. 260+60'NB' - STA. 265+07'NB'
STA. 260+91'SB' - STA. 265+39'SB'

STA. 260+60'NB' - STA. 264+75'NB'

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	TYPICAL FINISHED SECTION: STH 128	SHEET _____	E



†SE VAR TO A 0.048% MAX SUPER
NOR.=0.02% ROADWAY
NOR.=0.04% SHOULDER

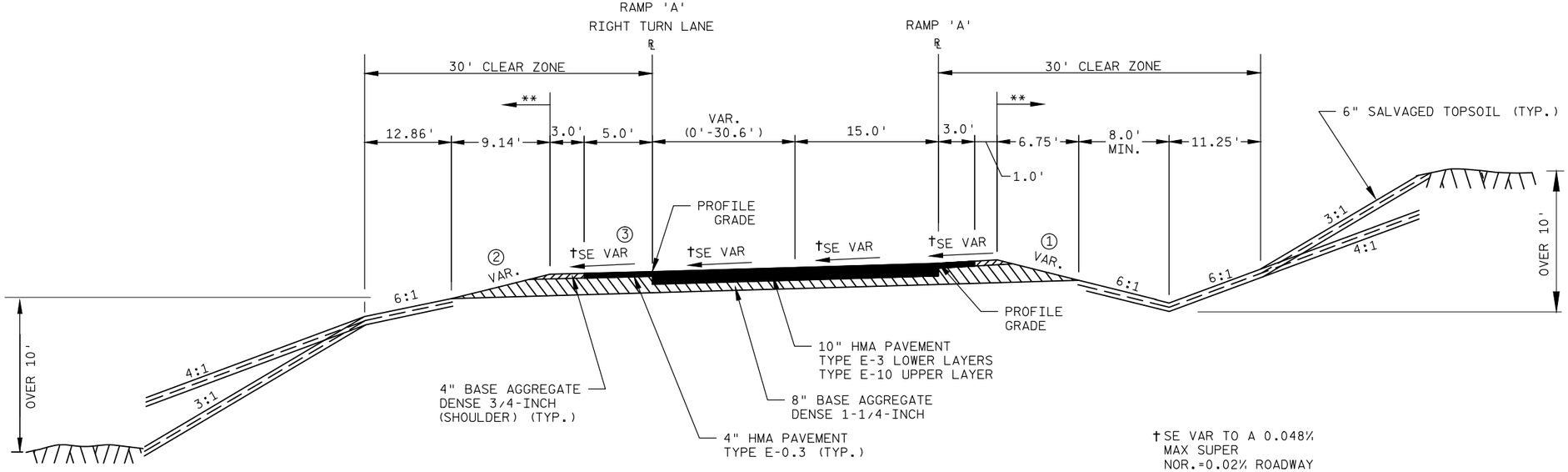
① 5:1 TO 6.2:1

② 4.5:1 TO 6:1

③ 0.04% NOR. EQUALS SE WHEN SE GREATER THAN 0.04%

FINISHED TYPICAL SECTION
RAMP A

STA. 249+94'A' - STA. 256+61'A'



** SEE EROSION CONTROL PLAN FOR SEEDING, FERTILIZING, MULCHING, AND EROSION MAT

†SE VAR TO A 0.048% MAX SUPER
NOR.=0.02% ROADWAY
NOR.=0.04% SHOULDER

① 5:1 TO 6.2:1

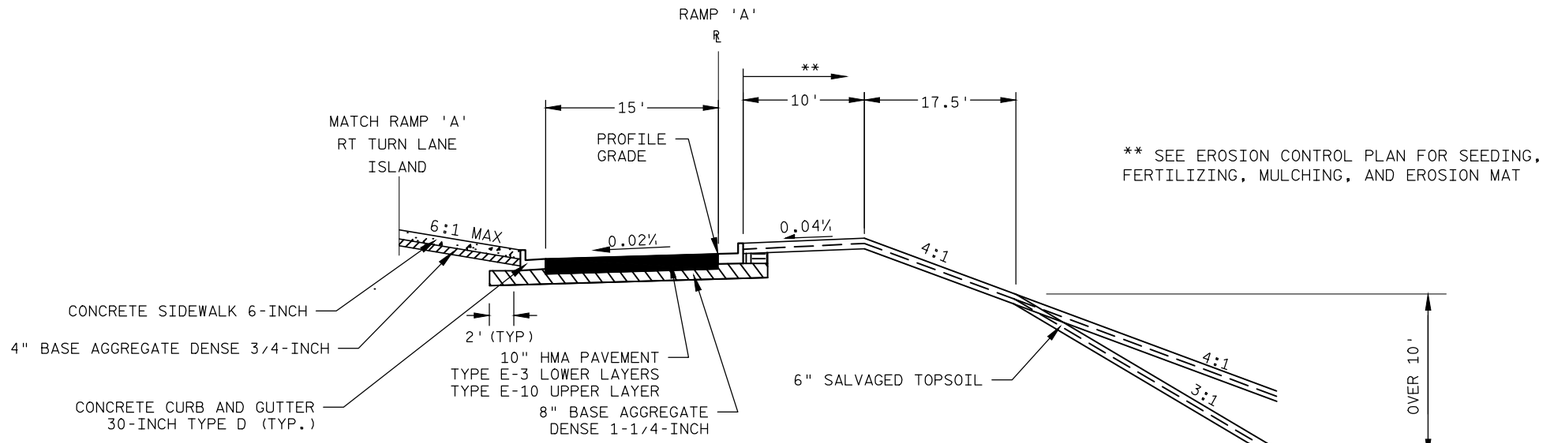
② 4.5:1 TO 6:1

③ 0.04% NOR. EQUALS SE WHEN SE GREATER THAN 0.04%

FINISHED TYPICAL SECTION
RAMP A & RAMP A RIGHT TURN LANE

STA. 256+61'A' - STA. 262+04'A', RAMP 'A'
STA. 256+61'AB' - STA. 262+04'AB', RAMP 'A' RIGHT TURN LANE

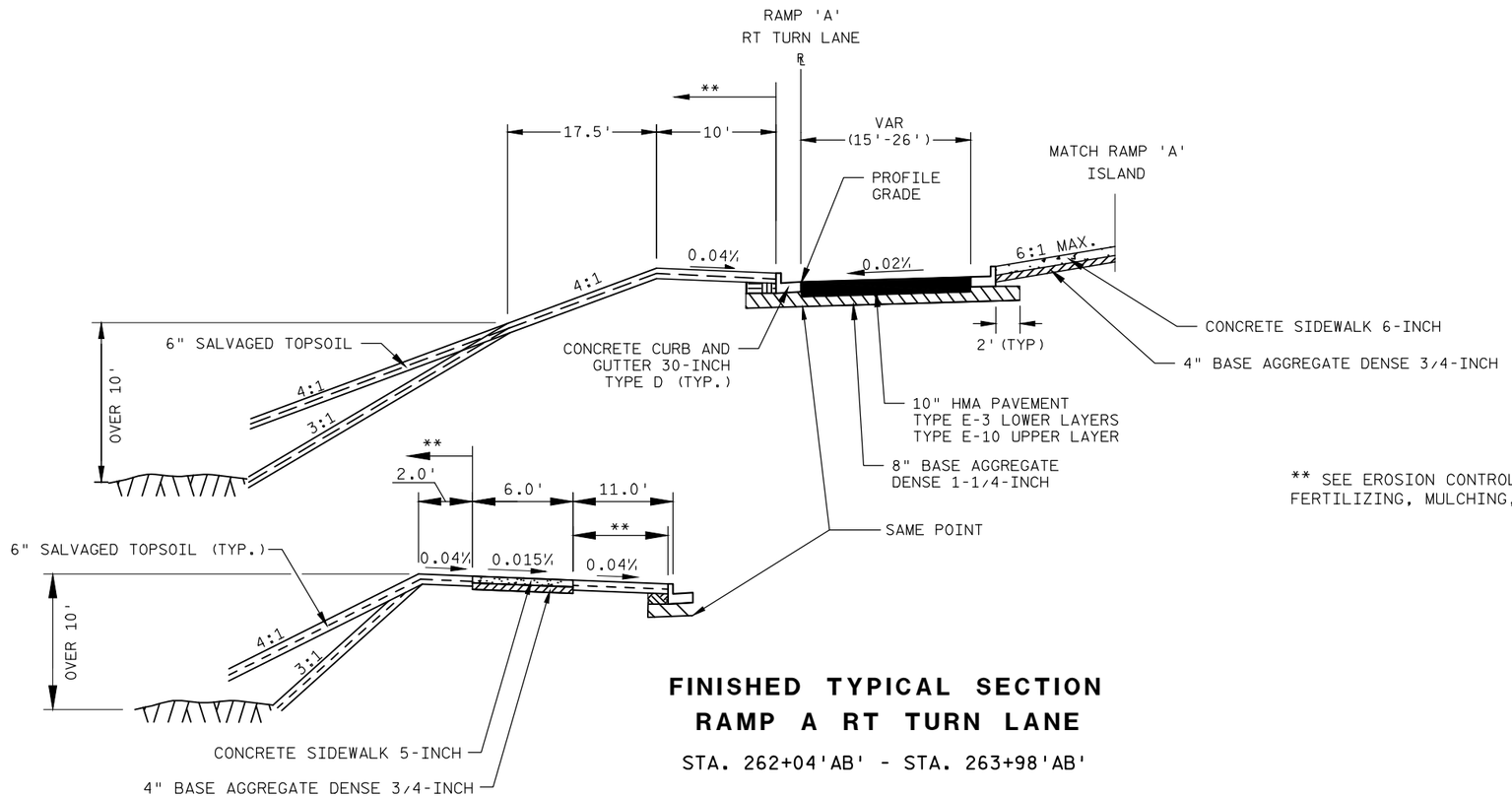
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	TYPICAL FINISHED SECTION: STH 128	SHEET _____	E



** SEE EROSION CONTROL PLAN FOR SEEDING, FERTILIZING, MULCHING, AND EROSION MAT

FINISHED TYPICAL SECTION
RAMP A

STA. 262+01'A' - STA. 263+42'A'



** SEE EROSION CONTROL PLAN FOR SEEDING, FERTILIZING, MULCHING, AND EROSION MAT

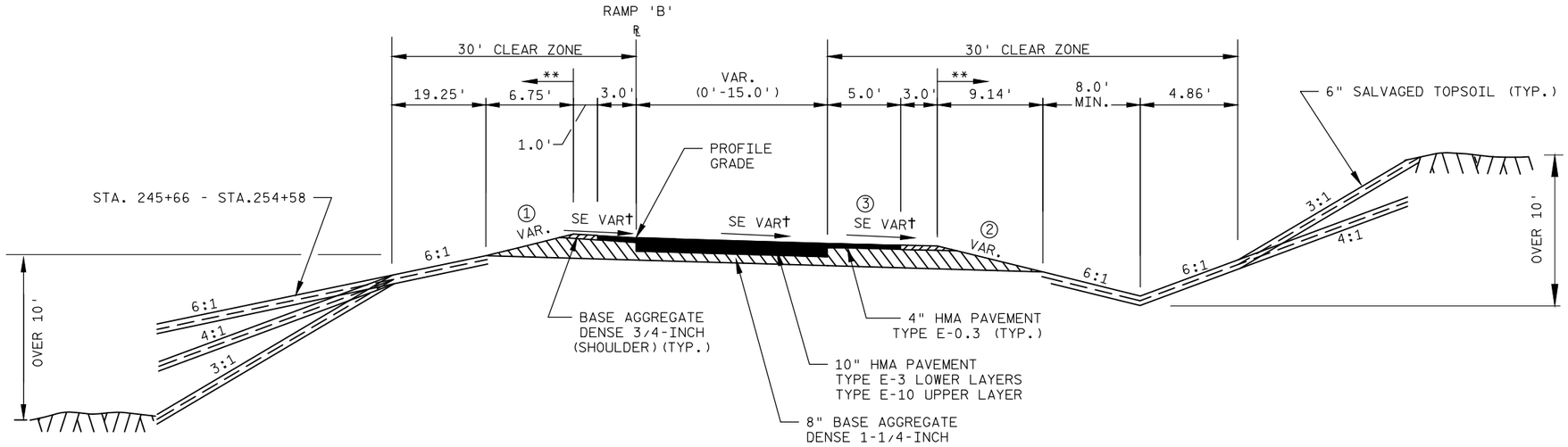
FINISHED TYPICAL SECTION
RAMP A RT TURN LANE

STA. 262+04'AB' - STA. 263+98'AB'

STA. 262+97'AB' - STA. 263+98'AB'

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	TYPICAL FINISHED SECTION: STH 128	SHEET _____	E

FILE NAME : N:±PDS±C3D±10210100±DESIGN±PLANS PRODUCTION±020302-TS-STH128.DWG PLOT DATE : 10/2/2015 7:32 AM PLOT BY : THAO, KOU PLOT NAME : ---------- PLOT SCALE : 1IN:15 FT
WISDOT/CADDS SHEET 42



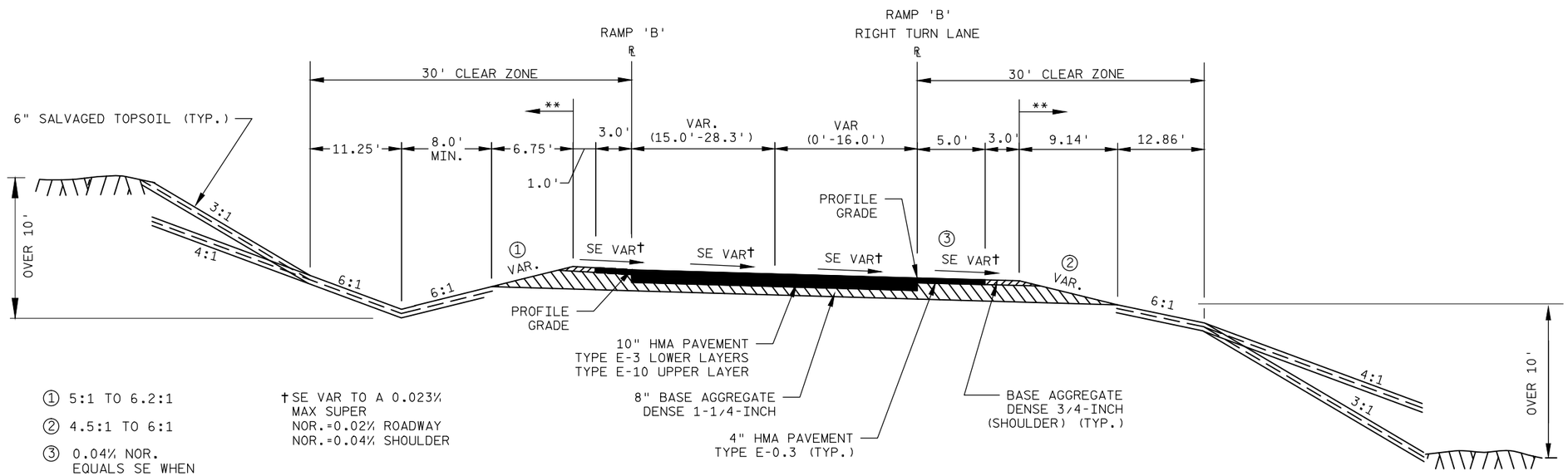
** SEE EROSION CONTROL PLAN FOR SEEDING, FERTILIZING, MULCHING, AND EROSION MAT

† SE VAR TO A 0.06% MAX SUPER
NOR.=0.02% ROADWAY
NOR.=0.04% SHOULDER

① 5:1 TO 6.2:1
② 4.5:1 TO 6:1
③ 0.04% NOR. EQUALS SE WHEN SE GREATER THAN 0.04%

FINISHED TYPICAL SECTION
RAMP B

STA. 245+66'B' - STA. 258+34'B'



① 5:1 TO 6.2:1
② 4.5:1 TO 6:1
③ 0.04% NOR. EQUALS SE WHEN SE GREATER THAN 0.04%

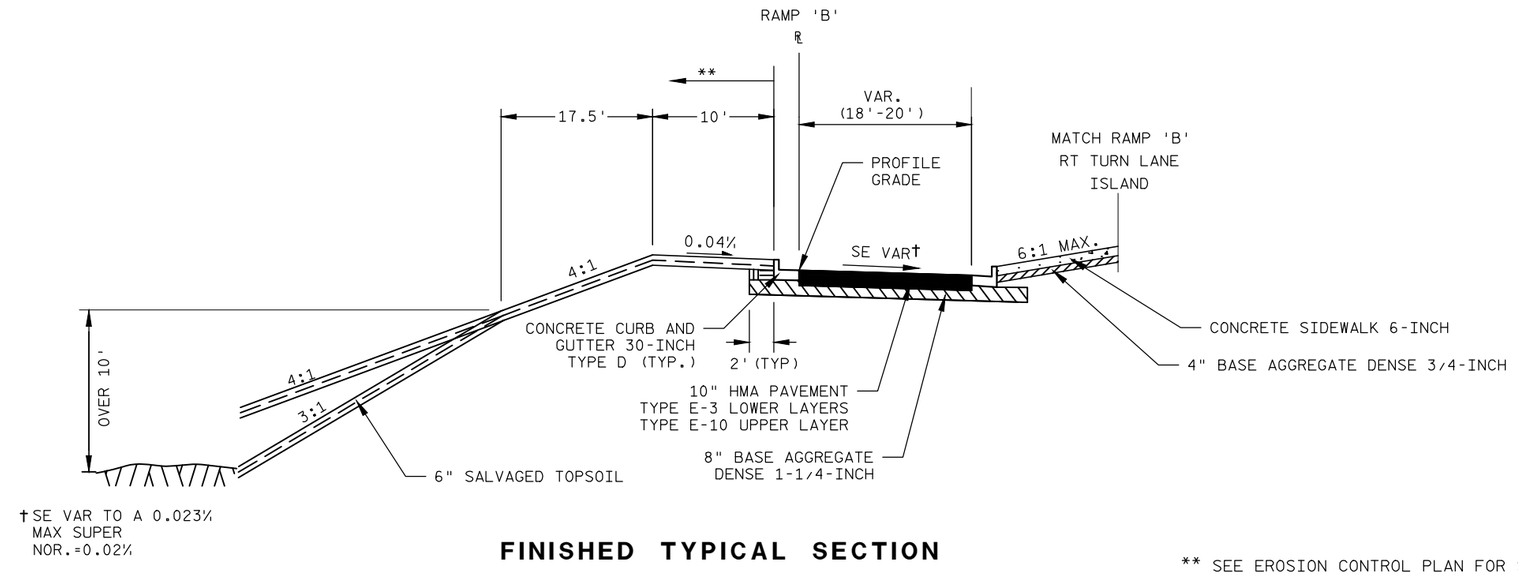
† SE VAR TO A 0.023% MAX SUPER
NOR.=0.02% ROADWAY
NOR.=0.04% SHOULDER

** SEE EROSION CONTROL PLAN FOR SEEDING, FERTILIZING, MULCHING, AND EROSION MAT

FINISHED TYPICAL SECTION
RAMP B & RAMP B RIGHT TURN LANE

STA. 258+34'B' - STA. 260+76'B', RAMP 'B'
STA. 258+34'BB' - STA. 260+84'BB', RAMP 'B' RIGHT TURN LANE

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	TYPICAL FINISHED SECTION: STH 128	SHEET _____	E

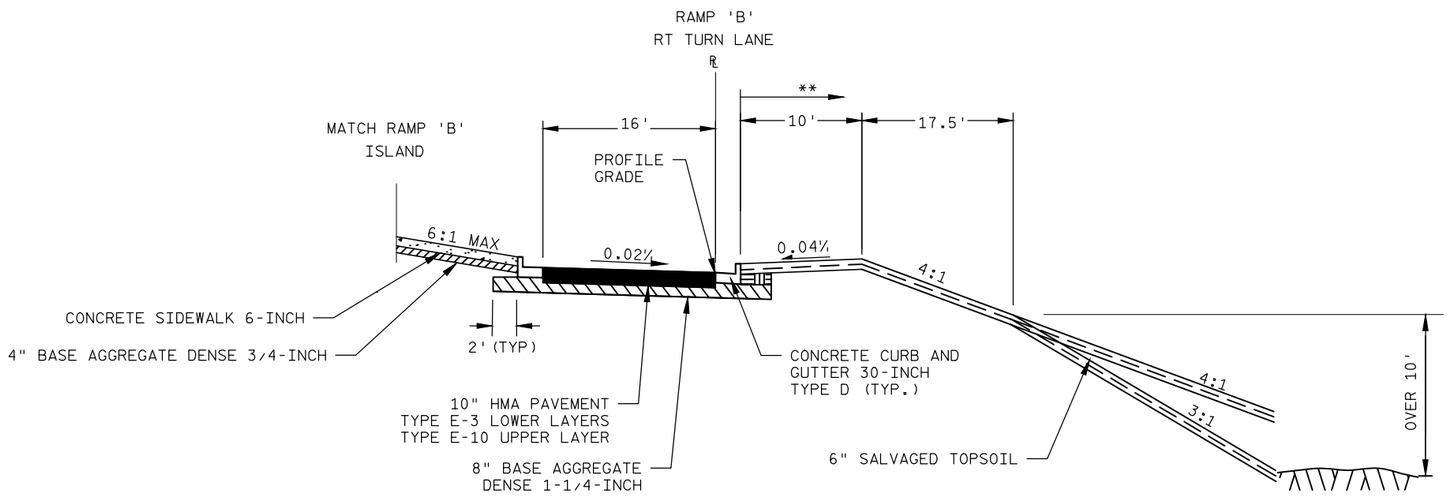


†SE VAR TO A 0.023⅛
MAX SUPER
NOR.=0.02⅛

FINISHED TYPICAL SECTION
RAMP B

STA. 260+76'B' - STA. 262+87'B'

** SEE EROSION CONTROL PLAN FOR SEEDING, FERTILIZING, MULCHING, AND EROSION MAT

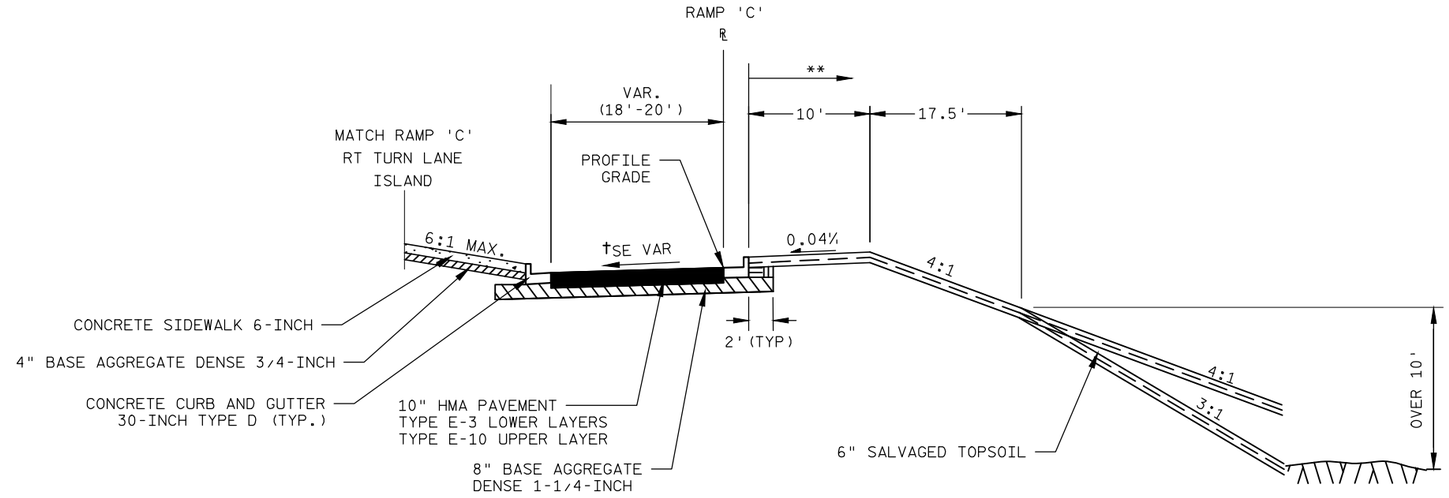


FINISHED TYPICAL SECTION
RAMP B RT TURN LANE

STA. 260+84'BB' - STA. 262+89'BB'

** SEE EROSION CONTROL PLAN FOR SEEDING, FERTILIZING, MULCHING, AND EROSION MAT

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	TYPICAL FINISHED SECTION: STH 128	SHEET _____	E

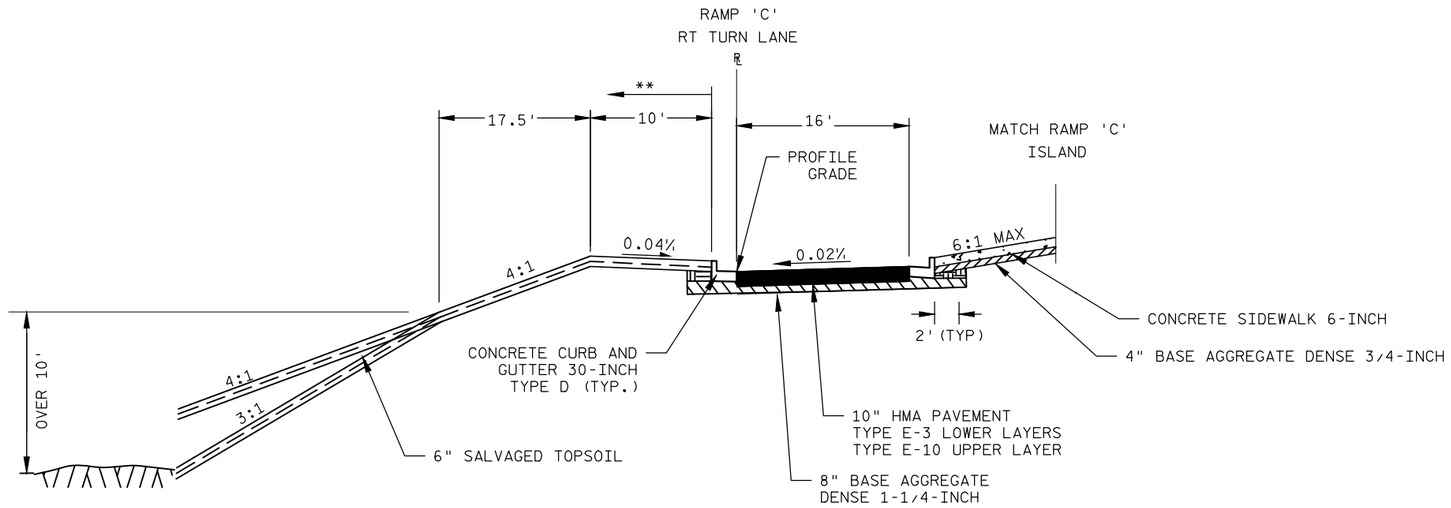


†SE VAR TO A RC
MAX SUPER
NOR.=0.02%

FINISHED TYPICAL SECTION
RAMP C

STA. 264+25'C' - STA. 266+45'C'

** SEE EROSION CONTROL PLAN FOR SEEDING, FERTILIZING, MULCHING, AND EROSION MAT



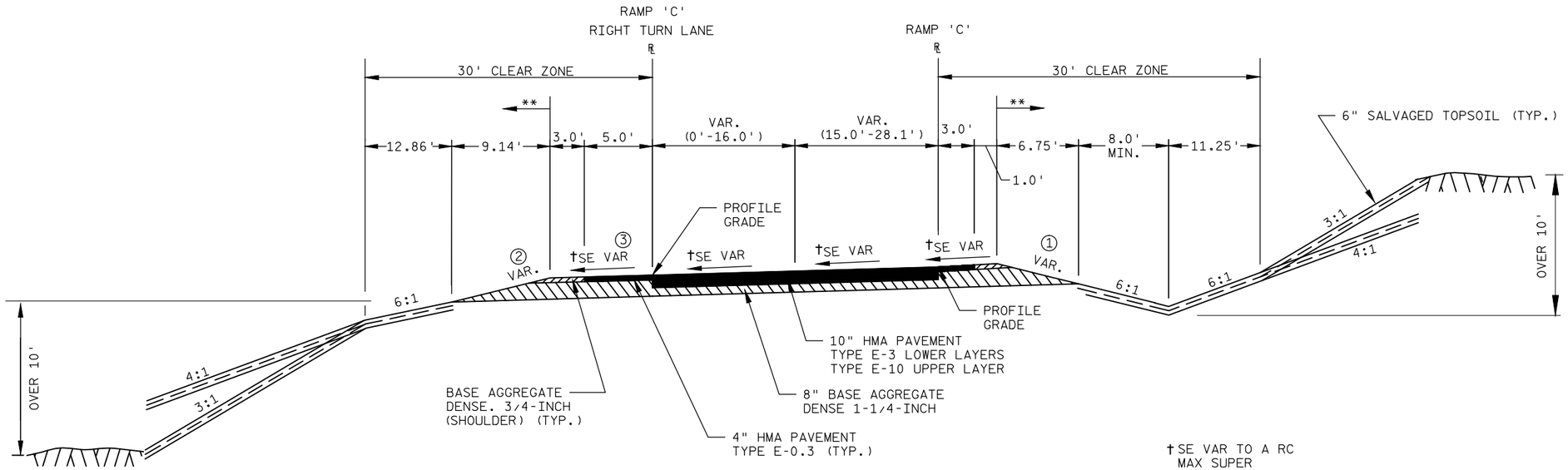
FINISHED TYPICAL SECTION
RAMP C RT TURN LANE

STA. 264+22'CB' - STA. 266+63'CB'

** SEE EROSION CONTROL PLAN FOR SEEDING, FERTILIZING, MULCHING, AND EROSION MAT

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	TYPICAL FINISHED SECTION: STH 128	SHEET _____	E

2



** SEE EROSION CONTROL PLAN FOR SEEDING, FERTILIZING, MULCHING, AND EROSION MAT

FINISHED TYPICAL SECTION
RAMP C & RAMP C RIGHT TURN LANE

STA. 266+45'C' - STA. 270+25'C', RAMP 'C'
STA. 266+63'CB' - STA. 270+15'CB', RAMP 'C' RIGHT TURN LANE

† SE VAR TO A RC
MAX SUPER
NOR.=0.02% ROADWAY
NOR.=0.04% SHOULDER

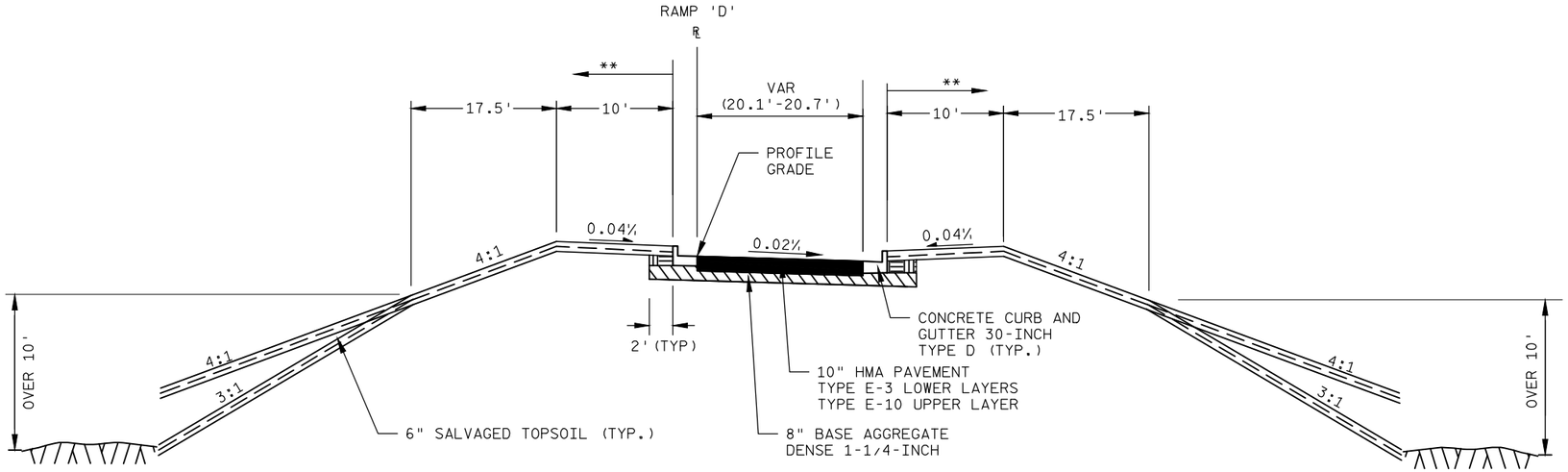
① 5:1 TO 6.2:1

② 4.5:1 TO 6:1

③ 0.04% NOR.
EQUALS SE WHEN
SE GREATER THAN 0.04%

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	TYPICAL FINISHED SECTION: STH 128	SHEET _____	E

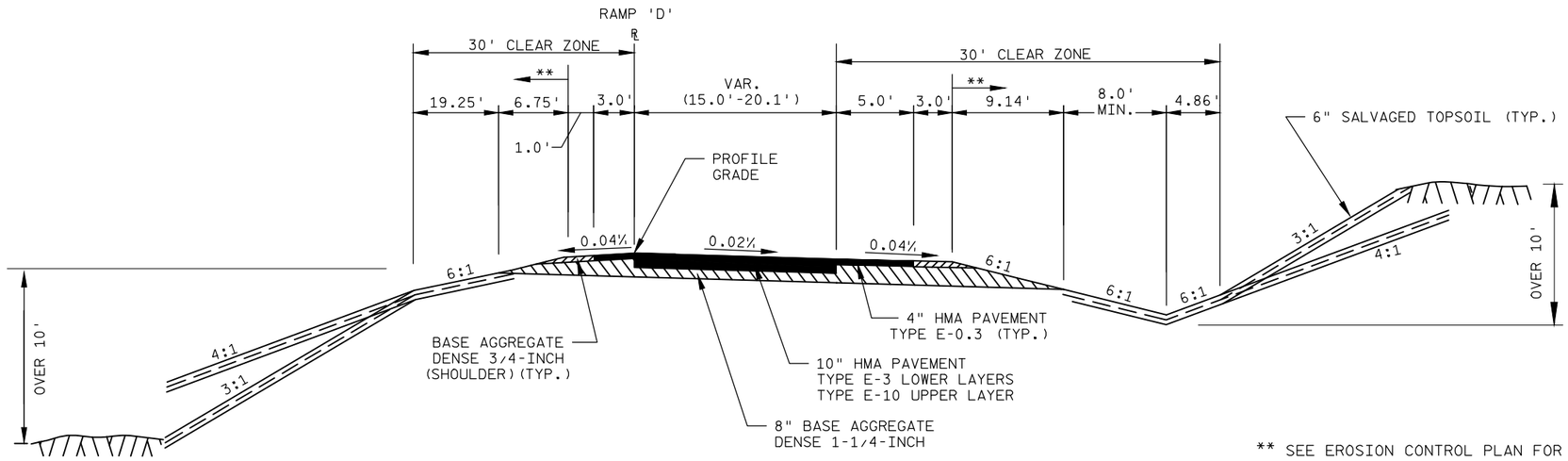
2



FINISHED TYPICAL SECTION
RAMP D

STA. 263+98'D' - STA. 264+66'D'

** SEE EROSION CONTROL PLAN FOR SEEDING, FERTILIZING, MULCHING, AND EROSION MAT



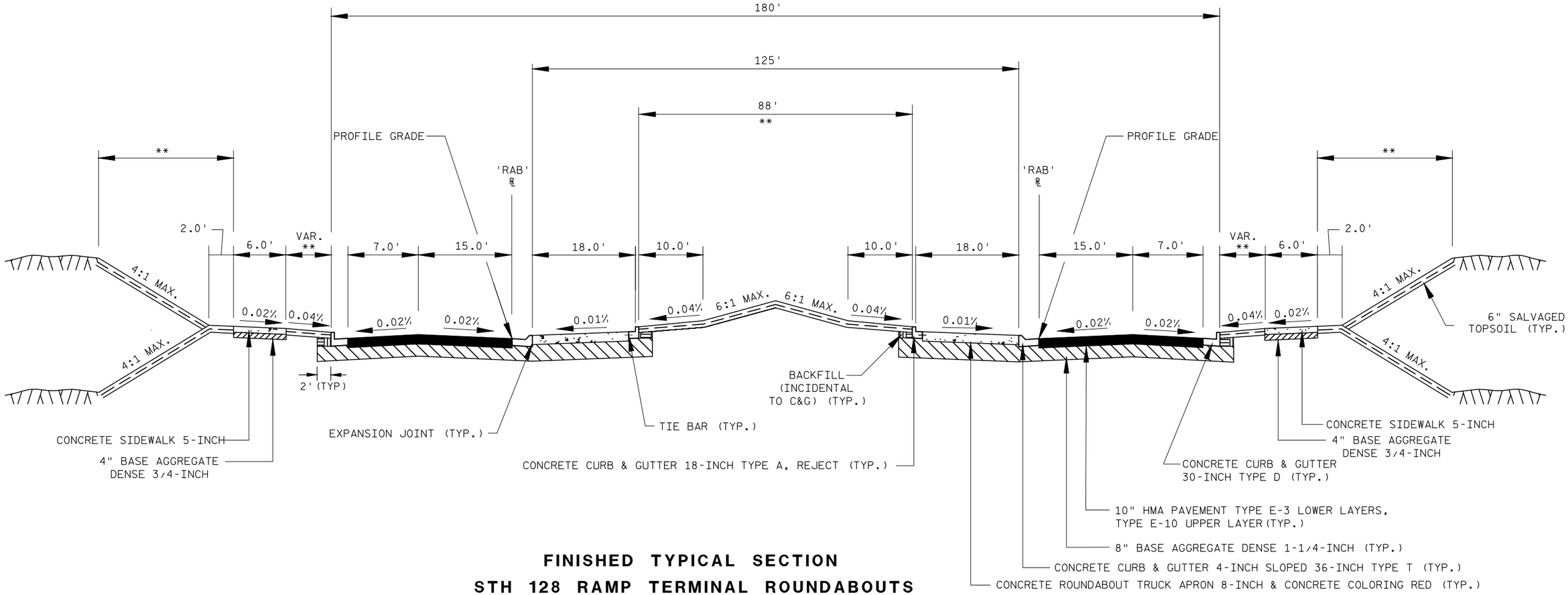
FINISHED TYPICAL SECTION
RAMP D

STA. 264+66'D' - STA. 268+41'D'

** SEE EROSION CONTROL PLAN FOR SEEDING, FERTILIZING, MULCHING, AND EROSION MAT

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	TYPICAL FINISHED SECTION: STH 128	SHEET _____	E

** SEE EROSION CONTROL PLAN FOR SEEDING,
FERTILIZING, MULCHING, AND EROSION MAT

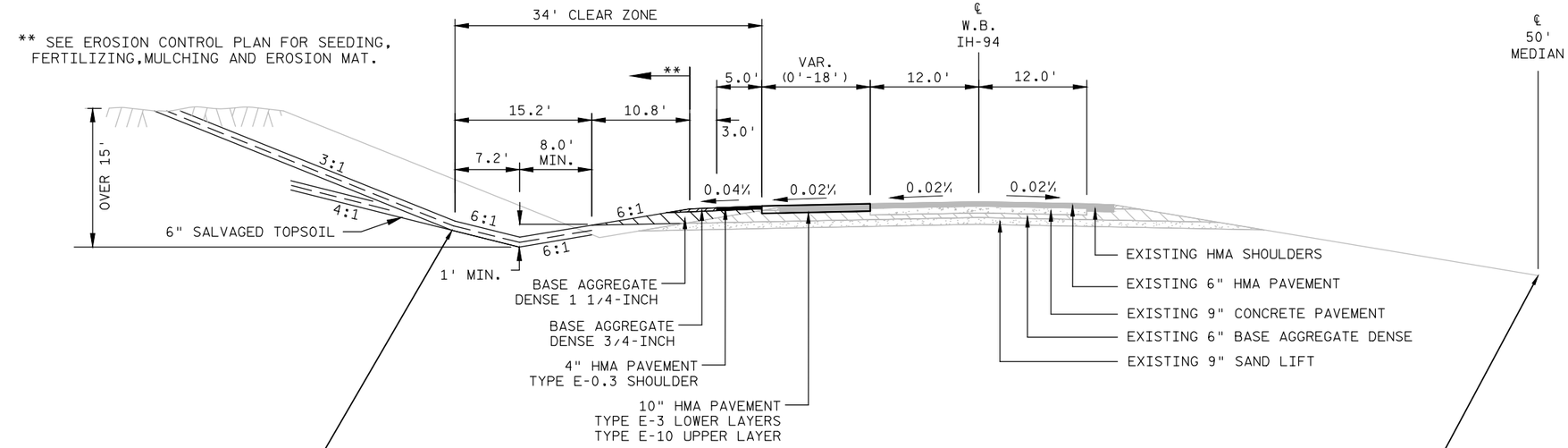


FINISHED TYPICAL SECTION

STH 128 RAMP TERMINAL ROUNDABOUTS

STA 5+00 - STA 10+49.78 'RBS'
STA. 5+00 - STA. 10+49.78 'RBN'

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	TYPICAL FINISHED SECTION: STH 128	SHEET _____	E

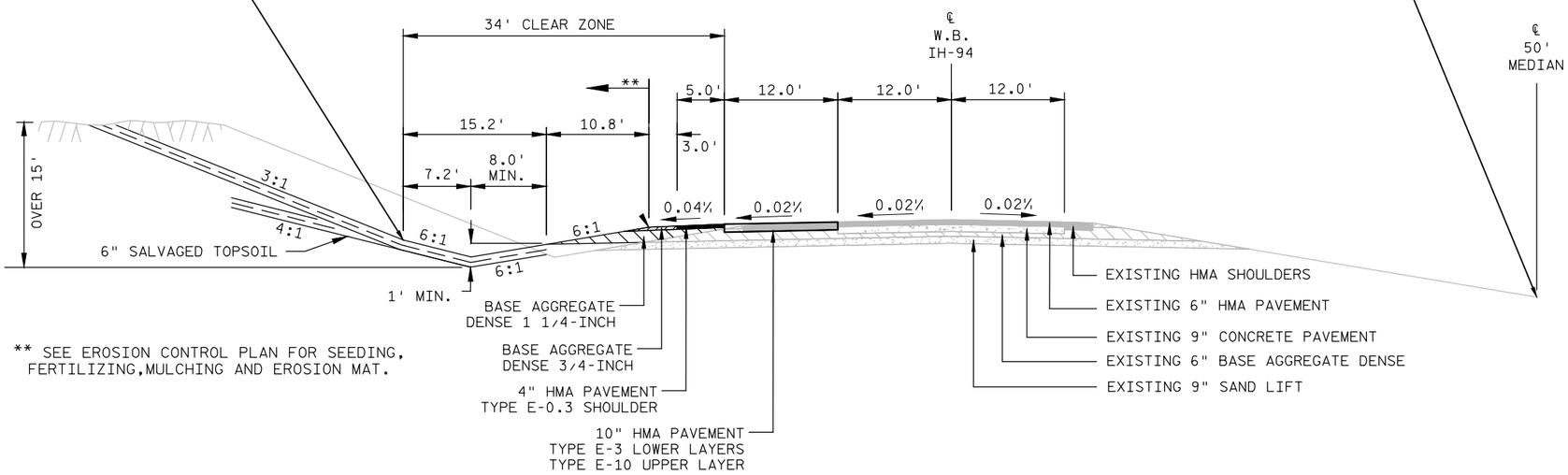


FINISHED TYPICAL SECTION
IH 94

STA 240+44'WB' - STA 249+95'WB'

SEE X-SECTION FOR GRADING AT STRUCTURE AND SLOPES STA 262+75'EB' - 265+00'EB'

SEE X-SECTION FOR GRADING AT MEDIAN AND BULLNOSE TERMINAL STA 261+00'EB' - 265+90'EB'



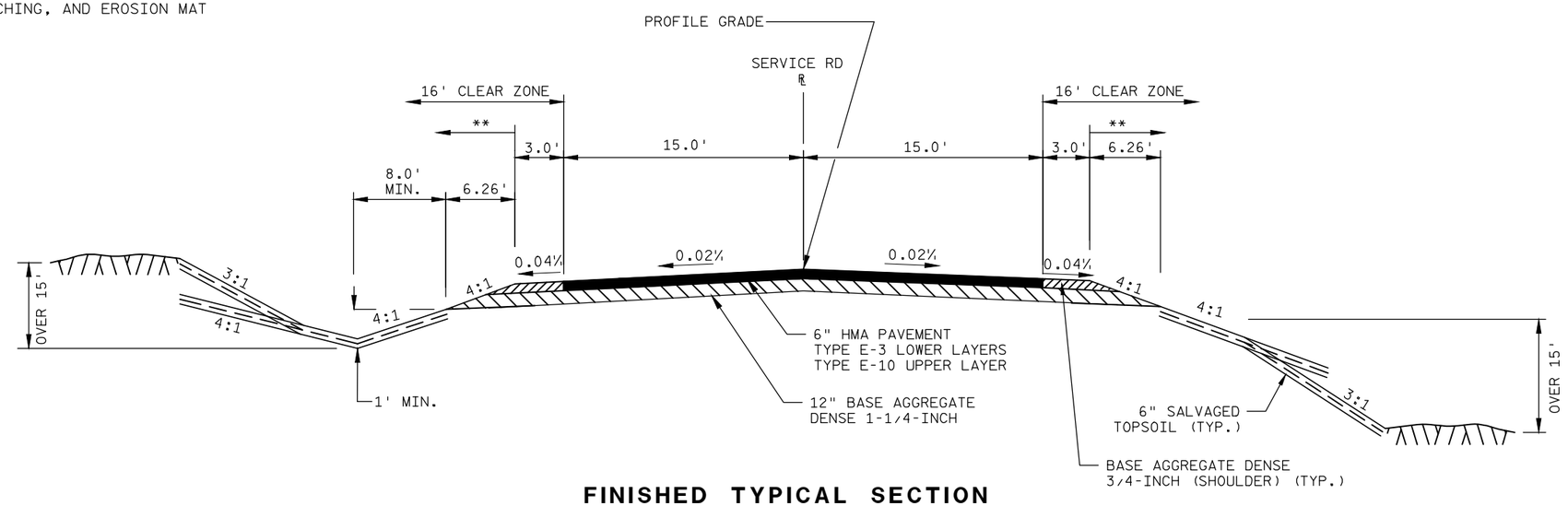
** SEE EROSION CONTROL PLAN FOR SEEDING, FERTILIZING,MULCHING AND EROSION MAT.

FINISHED TYPICAL SECTION
IH 94

STA 275+15'WB' - STA 280+24'WB'

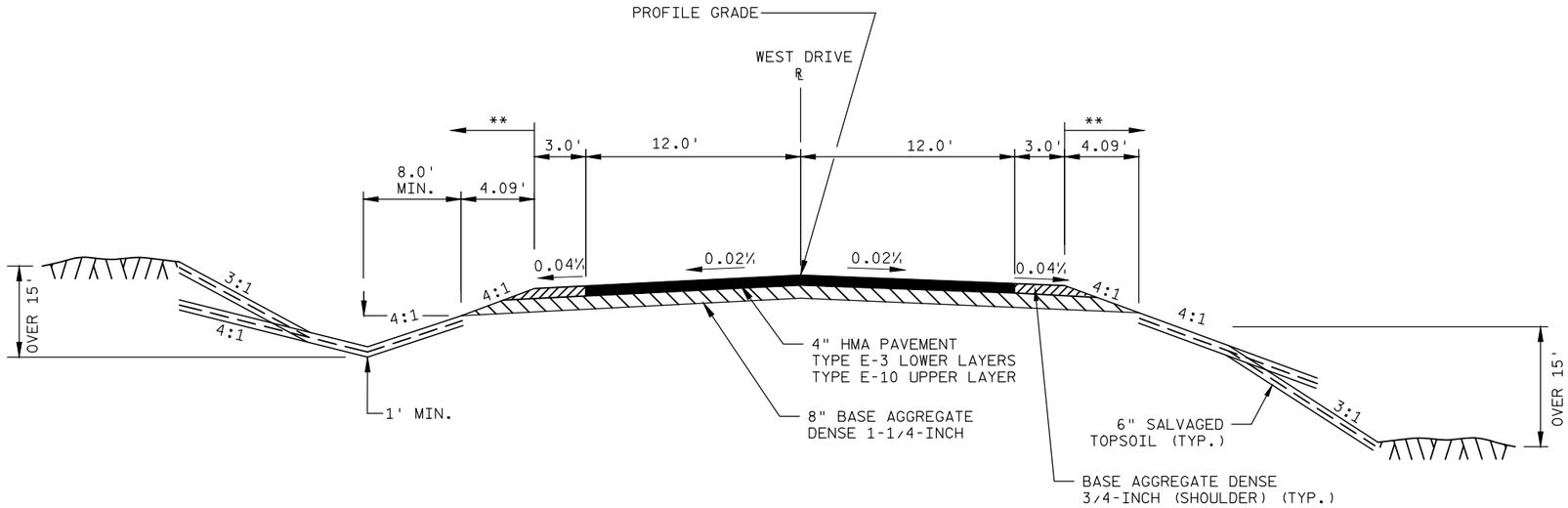
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	TYPICAL FINISHED SECTION: STH 128	SHEET _____	E

** SEE EROSION CONTROL PLAN FOR SEEDING, FERTILIZING, MULCHING, AND EROSION MAT



FINISHED TYPICAL SECTION
SERVICE ROAD

STA. 1+50'SR' - STA. 7+30'SR'

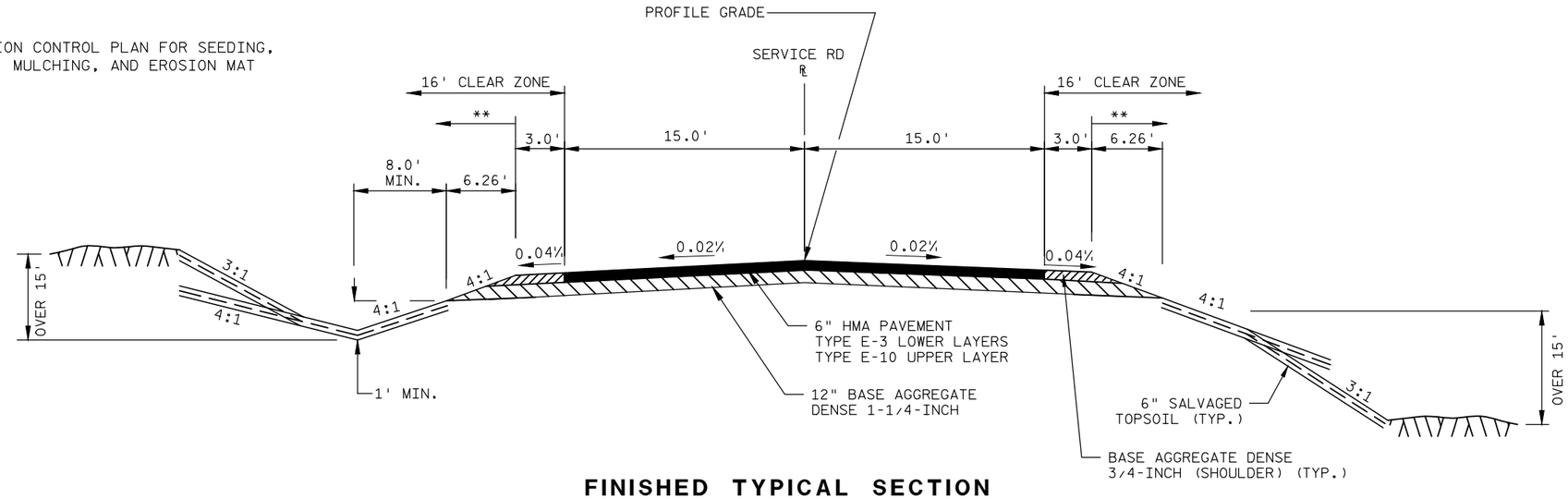


FINISHED TYPICAL SECTION
WEST DRIVE

STA. 11+50'WD' - STA. 14+50'WD'

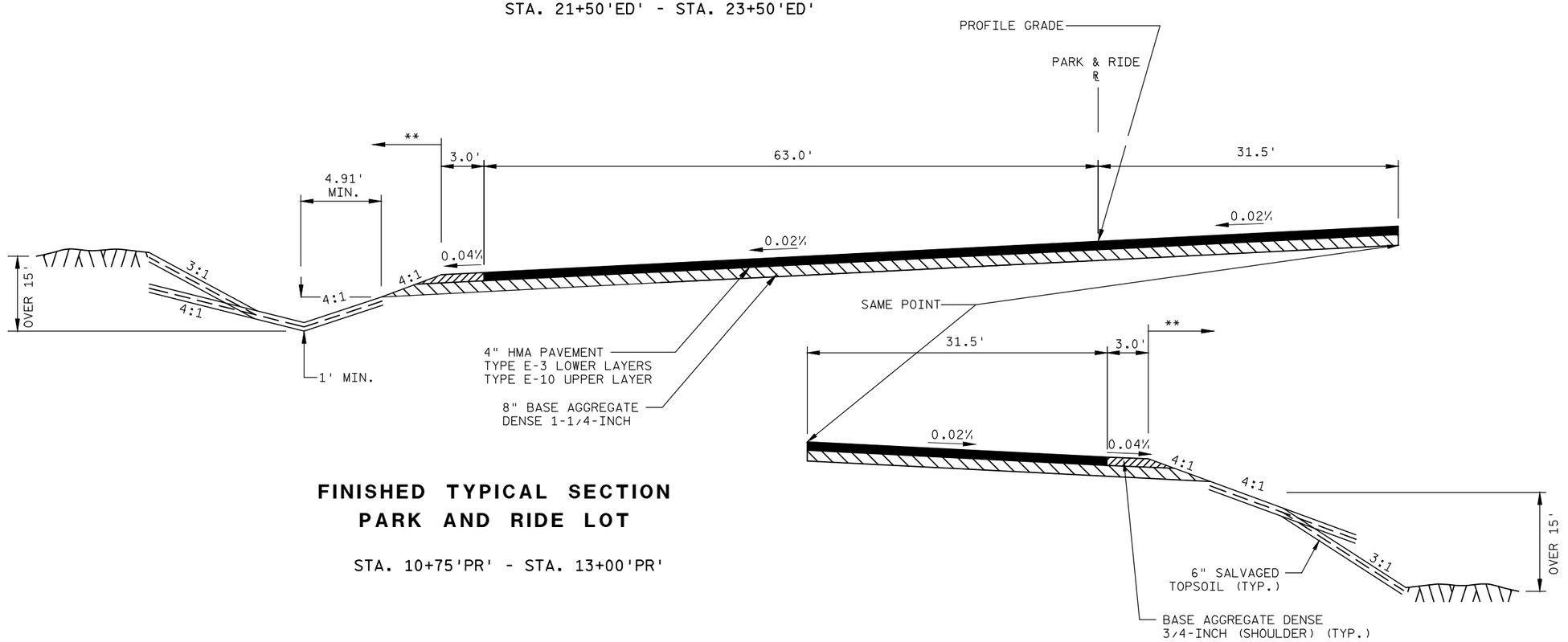
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	TYPICAL FINISHED SECTION: STH 128	SHEET _____	E

** SEE EROSION CONTROL PLAN FOR SEEDING, FERTILIZING, MULCHING, AND EROSION MAT



FINISHED TYPICAL SECTION
EAST DRIVE

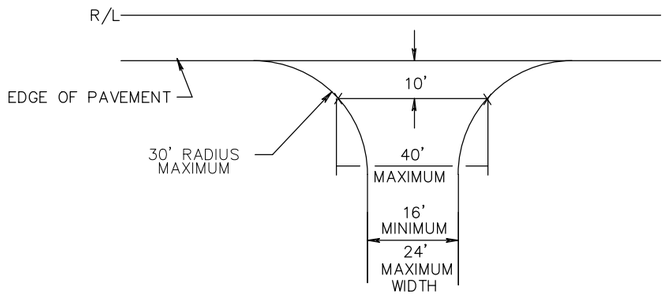
STA. 21+50'ED' - STA. 23+50'ED'



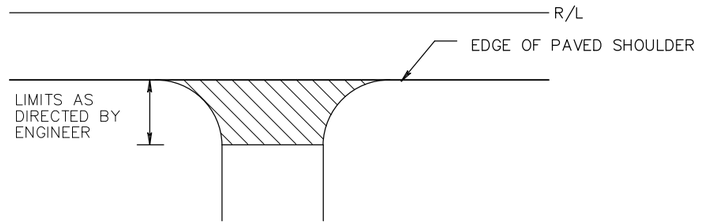
FINISHED TYPICAL SECTION
PARK AND RIDE LOT

STA. 10+75'PR' - STA. 13+00'PR'

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	TYPICAL FINISHED SECTION: STH 128	SHEET _____	E

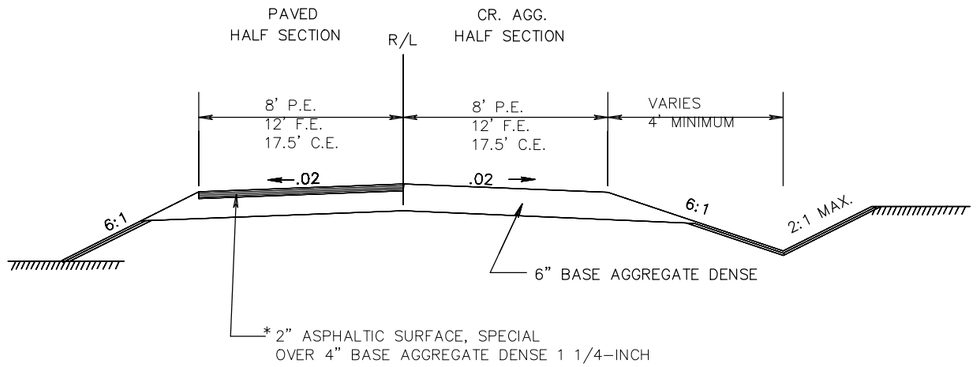


TYPICAL DRIVEWAY DETAIL
(NON–COMMERCIAL RURAL)



ANY ADDITIONAL BASE AGGREGATE DENSE REQ'D. SHALL BE PAID UNDER ITEM – "BASE AGGREGATE DENSE, 1 1/4–INCH"

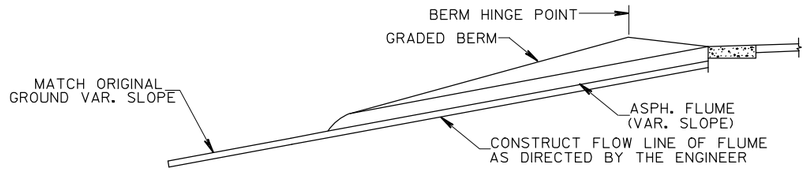
RURAL DRIVEWAY DETAIL – ASPHALT



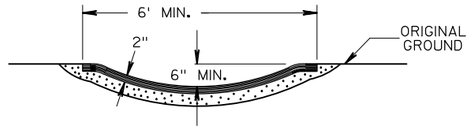
* OR MATCH EXIST.
ASPH. DEPTH

TYPICAL SECTION
FOR PRIVATE ENTRANCES

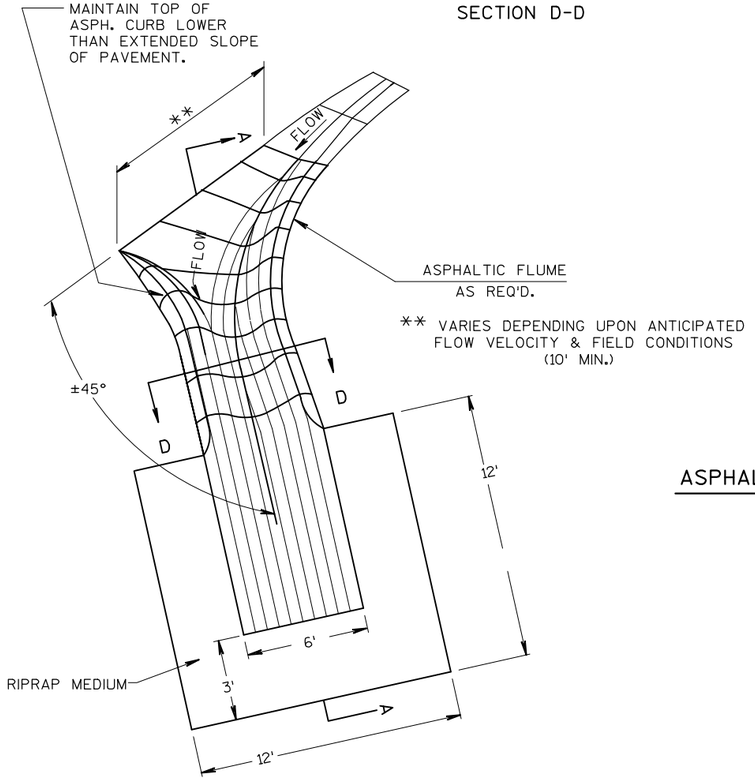
NOTE:
DRIVEWAY PROFILES NOT EXPECTED TO EXCEED 10%. PLACE LOW POINT OF DRIVEWAY PROFILE OVER DITCH FLOW LINE.



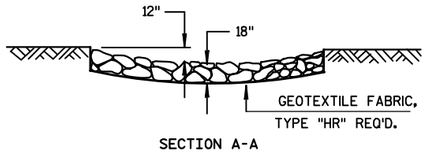
SECTION A-A



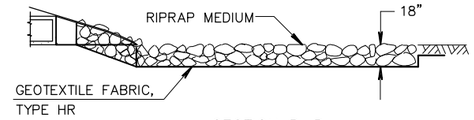
SECTION D-D



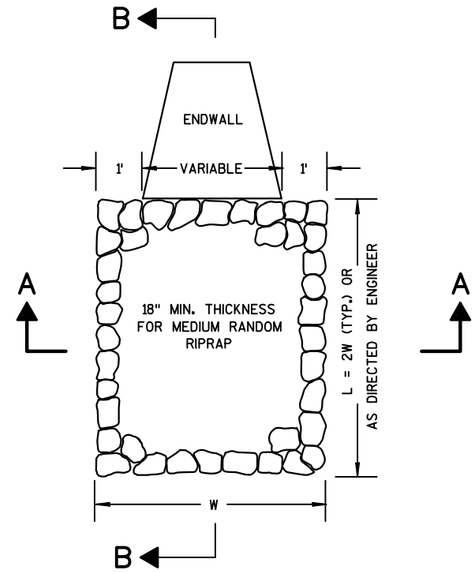
ASPHALTIC FLUME DETAIL



SECTION A-A



SECTION B-B



MEDIUM RANDOM RIPRAP TREATMENT AT CULVERTS

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CONSTRUCTION DETAILS	SHEET	E

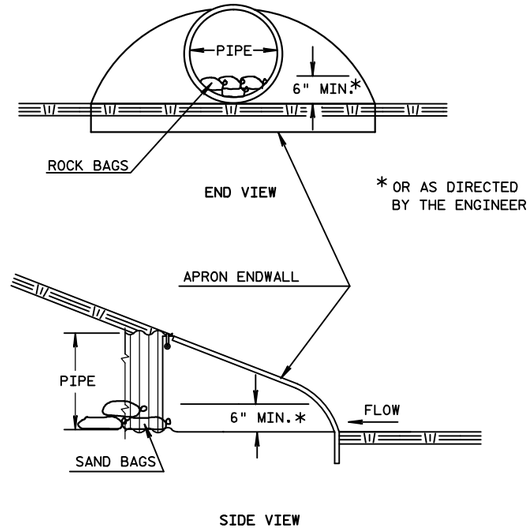
FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\021001_CD_STH128_10210100.DWG
LAYOUT NAME - ****
PLOT DATE : 9/30/2015 4:57 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

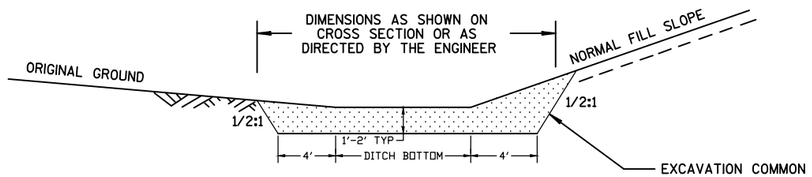
RUNOFF COEFFICIENT TABLE

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

TOTAL PROJECT AREA = _____ ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = _____ACRES



CULVERT PIPE DITCH CHECK



DETAIL FOR EBS IN DITCHES

SEE CROSS SECTIONS FOR EBS

EBS STATION RANGE

STH 128
238+00'NB' - 241+00'NB', RT & LT DITCH
253+50'SB' - 259+00'SB', LT DITCH
260+00'NB' - 264+50'NB', RT DITCH

RAMP A
241+00'A' - 249+00'A', LT DITCH
250+00'A' - 253+00'A', LT DITCH
254+00'A' - 257+00'A', LT DITCH

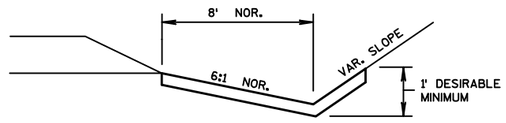
RAMP A BYPASS
262+00'AB' - 265+50'AB', SUBGRADE

RAMP B
245+67'B' - 253+00'B', LT DITCH
253+50'B' - 257+00'B', LT & RT DITCH

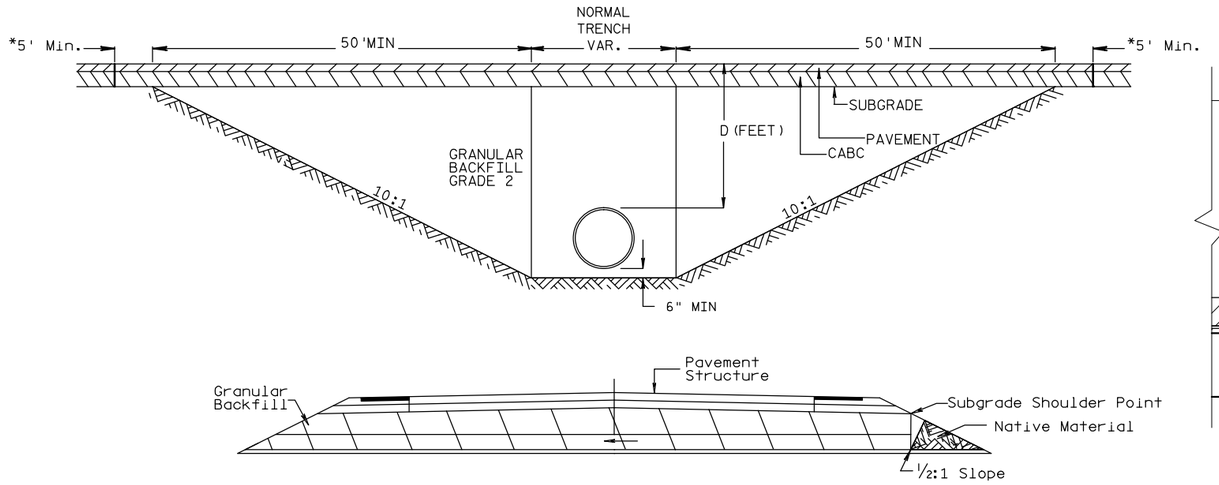
RAMP D
265+00'D' - 266+50'D', RT DITCH

SERVICE RD
1+38'SR' - 7+30'SR', SUBGRADE

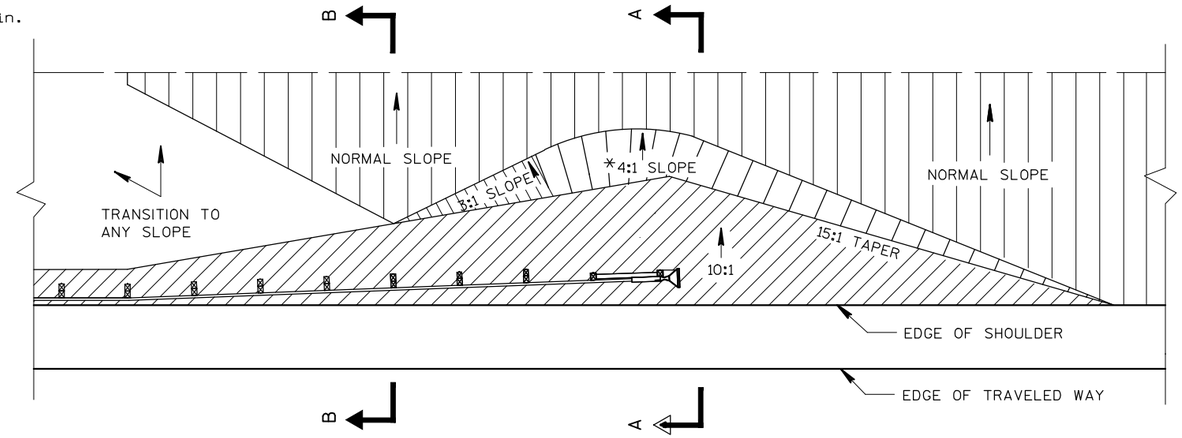
WEST DR
14+00'WD' - 14+44'WD', SUBGRADE



EROSION MAT DETAIL FOR DITCHES



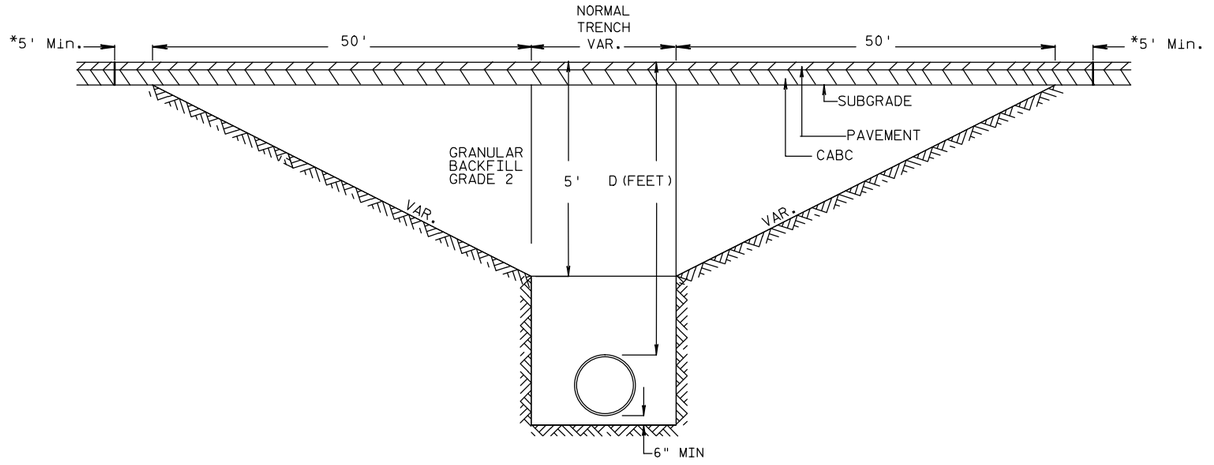
CROSS DRAIN INSTALLATION DETAIL
FOR D ≤ 5'



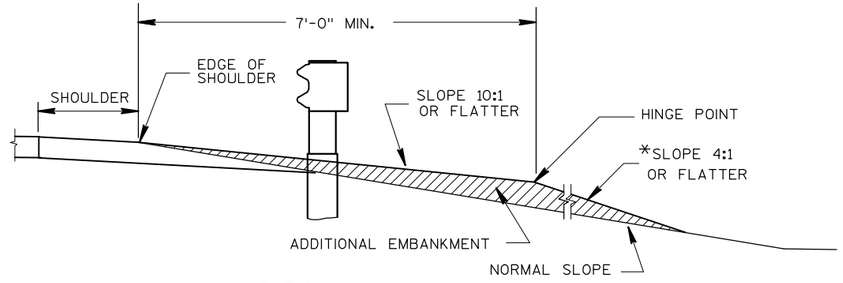
PLAN VIEW

*A 3:1 MAXIMUM SLOPE MAY BE USED FOR INSTALLATIONS ON EXISTING HIGHWAYS.

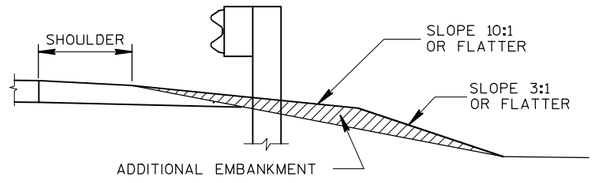
* Pavement Removal Limits (Typical)



CROSS DRAIN INSTALLATION DETAIL
FOR D ≥ 5'



SECTION A-A



SECTION B-B

FILL AREA AT BEAM GUARD

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CONSTRUCTION DETAILS	SHEET	E

2

2

N

WEST DRIVE MATCH

SERVICE ROAD MATCH

EAST DRIVE MATCH

DITCH MATCH

PARK & RIDE MATCH

RAMP A/A BYPASS/128SB
MEDIAN MATCH

ROUNDABOUT NORTH MATCH

STH 128 NB/SB MEDIAN MATCH

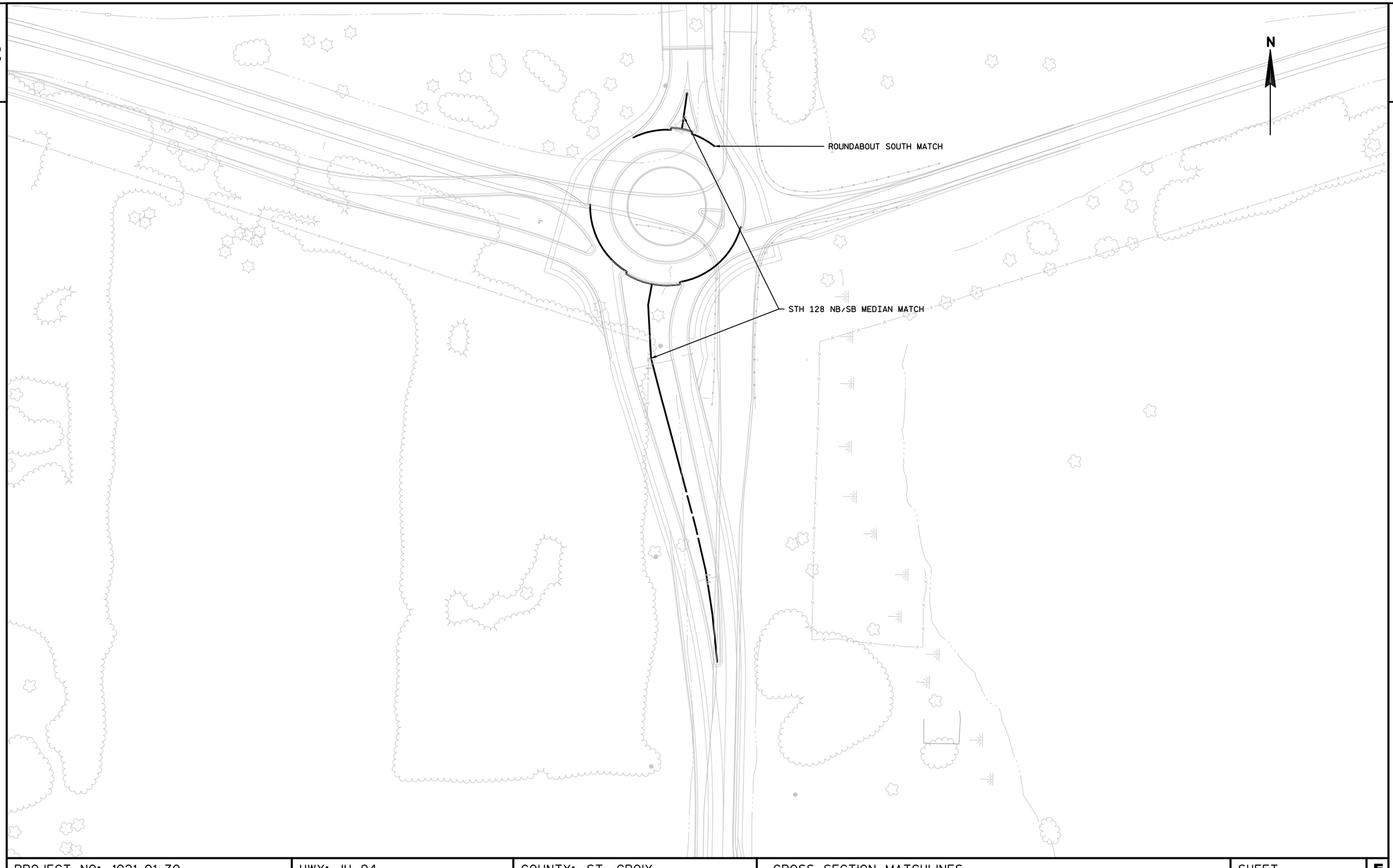
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTION MATCHLINES	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\021002_ML_STH128_10210100.DWG
LAYOUT NAME - ****

PLOT DATE : 10/6/2015 9:26 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2



PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTION MATCHLINES	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\021002_ML_STH128_10210100.DWG
LAYOUT NAME - ****
PLOT DATE : 10/6/2015 9:26 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:100 FT

NOTE:
PLACE RIPRAP MEDIUM AT ALL APRON ENDWALL LOCATIONS.
(SEE CONSTRUCTION DETAILS)

N1 = 2.25' BOX, 12" RCPSS
F/L = 1268.67
INVERT=1265.76
STA 257+96 'NB', 8.1' LT

N2 = 2.5' BOX, 12" RCPSS
F/L = 1268.80
UP INVERT=1265.70
DOWN INVERT=1265.64
STA 257+96 'NB', 1.8' LT

12" AEW
INVERT = 1264.76
STA 257+96 'NB', 37.2' RT

12" AEW
INVERT = 1269.92
STA 255+09'SB', 96.8' LT

N3 = 2.25' BOX, 12" RCPSS
F/L = 1274.06
INVERT=1271.15
STA 255+09 'SB', 19.8' LT

N4 = 2.25' BOX, 12" RCPSS
F/L = 1273.72
UP INVERT=1270.91
DOWN INVERT=1270.81
STA 255+09 'SB', 28.5' LT

GUY
GUY
R/W
SI
259+00'
269+00'AB'
258+00'NB'
258+00'SB'
268+00'AB'
257+00'NB'
257+00'SB'
267+00'AB'
256+00'NB'
256+00'SB'
266+00'AB'
255+00'NB'
255+00'SB'
265+00'AB'
254+00'NB'
OHTS
OH
FO
T
G

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	PLAN: STORM SEWER	SHEET	E

NOTE:
PLACE RIPRAP MEDIUM AT ALL APRON ENDWALL LOCATIONS.
(SEE CONSTRUCTION DETAILS)

12" AEW
INVERT = 1269.92
STA 255+09'SB', 96.8' LT

R/W

SI

ASPHALTIC FLUME
(SEE CONSTRUCTION DETAILS)

12" AEW
INVERT = 1271.27
STA 262+09.66'A', 76.9' LT

N9 = 2.5' BOX, 12" RCPSS
F/L = 1275.83
UP INVERT=1272.77
DOWN INVERT=1272.67
STA 262+09.66 'A', 16.9' LT

N8 = 2.5' BOX, 12" RCPSS
F/L = 1276.81
INVERT=1273.65
STA 252+33.2 'SB', 23.8' LT

N5 = 2.5' BOX, 12" RCPSS
F/L = 1275.96
INVERT=1272.80
STA 252+74.98 'NB', 36.3' LT

*N10 = 2.5' BOX, 12" UNDERDRAIN
F/L = 1276.70
INVERT=1273.54
STA 252+07.97 'NB', 23.8' RT

*DROP INLET TYPE
(SEE S.D.D. 8D3-6

N3 = 2.25' BOX, 12" RCPSS
F/L = 1274.06
INVERT=1271.15
STA 255+09 'SB', 19.8' LT

N4 = 2.25' BOX, 12" RCPSS
F/L = 1273.72
UP INVERT=1270.91
DOWN INVERT=1270.81
STA 255+09 'SB', 28.5' LT

N6 = 2.5' BOX, 12" RCPSS
F/L = 1276.11
UP INVERT=1272.55
DOWN INVERT=1272.45
STA 252+97.83'NB', 23.8' LT

12" AEW
INVERT = 1268.00
STA 264+44.77 'CB', 45.5.0' LT

12" AEW
INVERT = 1268.00
STA 264+50.89 'CB', 42.6' LT

N7 = 2.5' BOX, 12" RCPSS
F/L = 1276.10
INVERT=1272.60
STA 252+61.87'NB', 23.6' RT

12" AEW
INVERT = 1263.38
STA 265+07.19 'C', 47.6' RT

12" AEW
INVERT = 1263.62
STA 266+53.94 'AB', 36.8' LT

N11 = 2.5' BOX, 12" RCPSS
F/L = 12272.73
INVERT=1269.57
STA 266+13.74 'C', 19.7' LT

N12 = 2.5' BOX, 12" RCPSS
F/L = 1271.82
UP INVERT=1268.76
DOWN INVERT=1268.66
STA 266+59.93 'C', 28.0' LT

GUY

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	PLAN: STORM SEWER	SHEET	E

NOTE:
PLACE RIPRAP MEDIUM AT ALL APRON ENDWALL LOCATIONS.
(SEE CONSTRUCTION DETAILS)

*S2 = 3' BOX, 12" UNDERDRAIN
F/L = 1270.97
UP INVERT = 1267.41
DOWN INVERT = 1267.31
STA 247+49.67 'SB', 20.5' LT

*DROP INLET TYPE
(SEE S.D.D. 8D3-6

*S1 = 2.5' BOX, 12" UNDERDRAIN
F/L = 1271.06
INVERT=1267.90
STA 247+32.82 'NB', 20.5' RT

12" AEW
INVERT = 1256.51
STA 246+09.44 'SB', 93.4' LT

12" AEW
INVERT = 1261.48
STA 247+37.22 'SB', 55.4' LT

S7 = 2.5' BOX, 12" RCPSS
F/L = 1264.75
UP INVERT = 1261.69
DOWN INVERT = 1261.59
STA 260+87.5 'B', 20' RT

S8 = 3' BOX, 12" RCPSS
F/L = 1265.66
UP INVERT = 1261.50
DOWN INVERT = 1261.40
STA 260+86.5 'B', 29' RT

S6 = 2.5' BOX, 12" RCPSS
F/L = 1265.81
INVERT = 1262.65
STA 260+50 'B', 20' RT

*S3 = 2.5' BOX, 12" UNDERDRAIN
F/L = 1267.13
INVERT = 1263.97
STA 245+82.47 'SB', 23.7' LT

12" AEW
INVERT = 1258.50
STA 264+82 'C', 57.8' LT

S4 = 2.5' BOX, 12" RCPSS
F/L = 1266.30
INVERT = 1263.14
STA 245+37.61 'SB', 22.5' LT

S9 = 2.5' BOX, 12" RCPSS
F/L = 1265.30
INVERT = 1262.14
STA 244+86.53 'NB', 46.2' LT

12" AEW
INVERT = 1254.00
STA 261+00 'B', 102' RT

*S12 = 3' BOX, 12" UNDERDRAIN
F/L = 1267.45
UP INVERT = 1263.89
DOWN INVERT = 1263.79
STA 25+67.96 'NB', 24.5' RT

ASPHALTIC FLUME
(SEE CONSTRUCTION DETAILS)

S5 = 2.5' BOX, 12" RCPSS
F/L = 1265.97
UP INVERT = 1262.91
DOWN INVERT = 1262.81
STA 245+29.68 'SB', 31.8' LT

S13 = 2.5' BOX, 12" RCPSS
F/L = 1267.31
INVERT = 1264.15
STA 245+64.92 'NB', 31.1' RT

S11 = 4' DIA MH, 15" RCPSS
F/L = 1264.18
UP INVERTS (S5, S10) = 1260.65
UP INVERT (S14) = 1255.20
DOWN INVERT = 1255.00
STA 244+50 'SB', 20' LT

S10 = 3' BOX, 12" RCPSS
F/L = 1265.45
UP INVERT = 1261.89
DOWN INVERT = 1261.79
STA 244+69 'NB', 41.6' LT

15" AEW
INVERT = 1253.00
STA 244+50 'SB', 67.5' LT

S14 = 2.5' BOX, 12" RCPSS
F/L = 1261.12
INVERT = 1257.96
STA 243+50 'NB', 20' RT

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	PLAN: STORM SEWER	SHEET	E

NOTE:
PLACE RIPRAP MEDIUM AT ALL APRON ENDWALL LOCATIONS.
(SEE CONSTRUCTION DETAILS)

ASPHALTIC FLUME
(SEE CONSTRUCTION DETAILS)

R/W

SI

244+00'SB'

241+00'NB'

243+00'SB'

243+00'NB'

242+00'SB'

242+00'NB'

241+00'SB'

241+00'NB'

240+00'SB'

240+00'NB'

FO

OH

G

S14 = 2.5' BOX, 12" RCPSS
F/L = 1261.12
INVERT = 1257.96
STA 243+50 'NB', 20' RT

S15 = 2.5' BOX, 12" RCPSS
F/L = 1251.38
INVERT = 1248.22
STA 241+52.85 'NB', 14.5' LT

12" AEW
INVERT = 1245.43
STA 241+50 'SB', 54.4' LT

S16 = 2.5' BOX, 12" RCPSS
F/L = 1247.39
INVERT = 1244.23
STA 240+64.89 'NB', 5.7' LT

S17 = 3' BOX, 12" RCPSS
F/L = 1246.47
UP INVERT = 1243.41
DOWN INVERT = 1243.31
STA 240+46.78 'NB', 6.4' LT

12" AEW
INVERT = 1240.04
STA 240+02.37 'NB', 54.0' RT

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	PLAN: STORM SEWER	SHEET	E

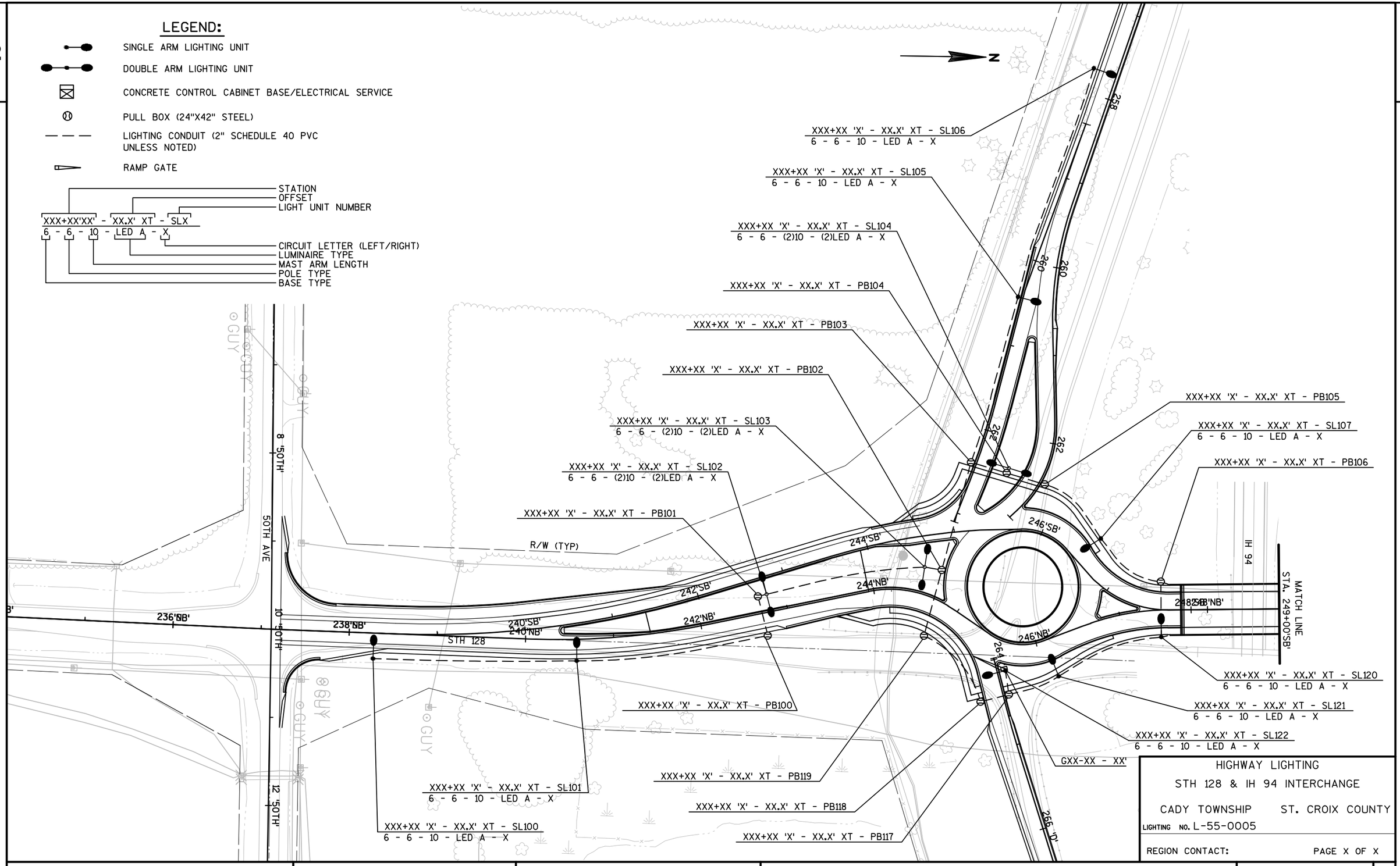
FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\020402_SSPLAN_STH128_10210100.DWG
LAYOUT NAME - ****
PLOT DATE : 10/6/2015 7:34 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

LEGEND:

- SINGLE ARM LIGHTING UNIT
- DOUBLE ARM LIGHTING UNIT
- CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE
- PULL BOX (24"X42" STEEL)
- LIGHTING CONDUIT (2" SCHEDULE 40 PVC UNLESS NOTED)
- RAMP GATE

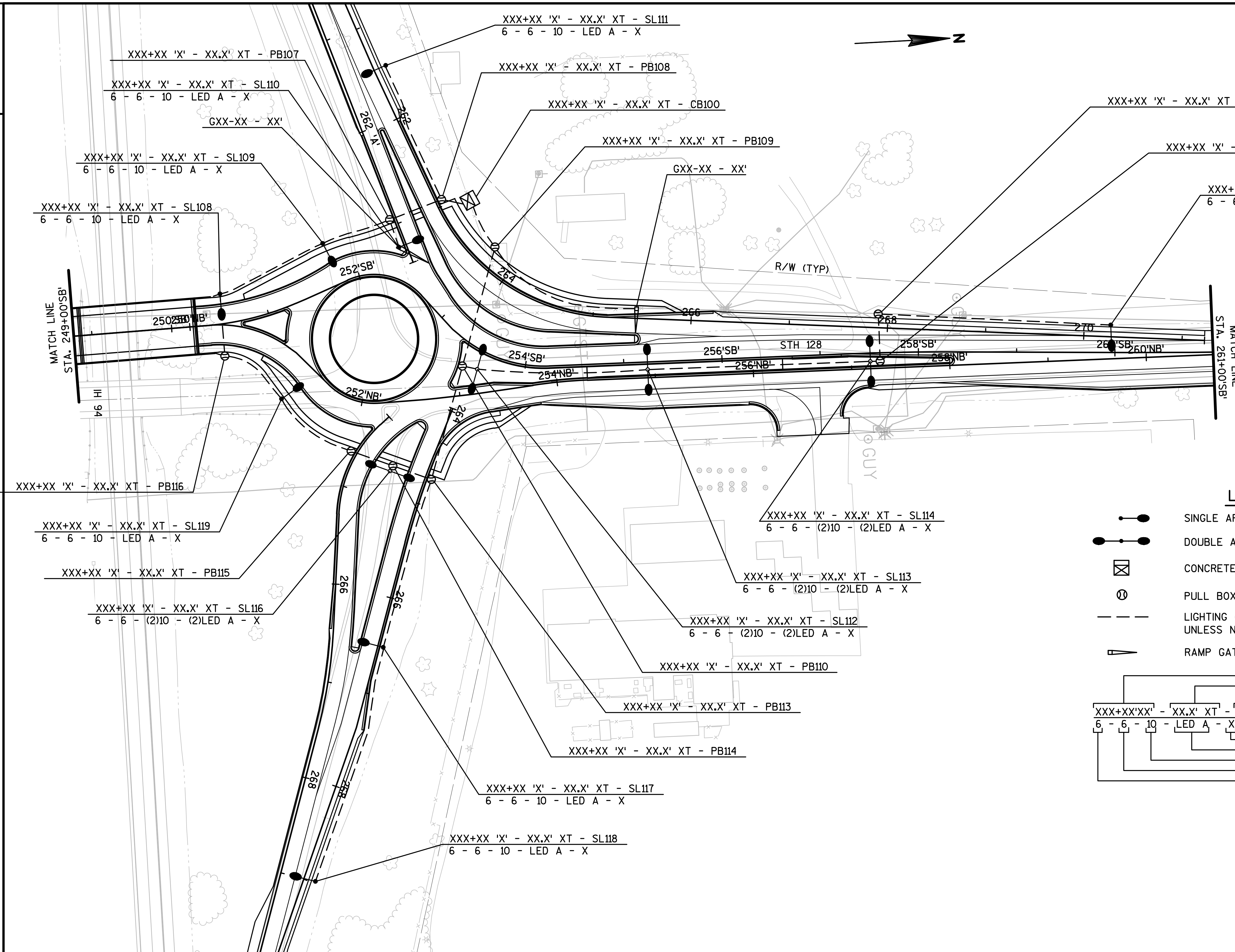
XXX+XX'XX' - XX.X' XT - SLX
6 - 6 - 10 - LED A - X

- STATION
- OFFSET
- LIGHT UNIT NUMBER
- CIRCUIT LETTER (LEFT/RIGHT)
- LUMINAIRE TYPE
- MAST ARM LENGTH
- POLE TYPE
- BASE TYPE



HIGHWAY LIGHTING
STH 128 & IH 94 INTERCHANGE
CADY TOWNSHIP ST. CROIX COUNTY
LIGHTING NO. L-55-0005
REGION CONTACT: PAGE X OF X

PROJECT NO: 1021-01-70	HWY: STH 128	COUNTY: ST. CROIX	LIGHTING PLAN	SHEET	E



LEGEND:

- SINGLE ARM LIGHTING UNIT
- DOUBLE ARM LIGHTING UNIT
- CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE
- PULL BOX (24"X42" STEEL)
- LIGHTING CONDUIT (2" SCHEDULE 40 PVC UNLESS NOTED)
- RAMP GATE

XXX+XX'XX' - XX.X' XT - SLX
6 - 6 - 10 - LED A - X

STATION
OFFSET
LIGHT UNIT NUMBER
CIRCUIT LETTER (LEFT/RIGHT)
LUMINAIRE TYPE
MAST ARM LENGTH
POLE TYPE
BASE TYPE

HIGHWAY LIGHTING
STH 128 & IH 94 INTERCHANGE
CADY TOWNSHIP ST. CROIX COUNTY
LIGHTING NO. L-55-0005
REGION CONTACT: PAGE X OF X

PROJECT NO:1021-01-70	HWY:STH 128	COUNTY:ST. CROIX	LIGHTING PLAN	SHEET	E

2

N

R/W (TYP)

MATCH LINE
STA. 261+00'SB'

262'SB 262'NB' 264'SB 264'NB' 266'SB 266'NB' 268'SB 268'NB' 270'SB 270'NB'

STH 128

56TH AVE

XXX+XX 'X' - XX.X' XT - CB200

XXX+XX 'X' - XX.X' XT - SL201
6 - 6 - 10 - LED A - X

XXX+XX 'X' - XX.X' XT - PB200

XXX+XX 'X' - XX.X' XT - PB201

XXX+XX 'X' - XX.X' XT - SL200
6 - 6 - 10 - LED A - X

XXX+XX 'X' - XX.X' XT - PB202

XXX+XX 'X' - XX.X' XT - SL202
6 - 6 - 10 - LED A - X

LIGHTS INSTALLED
WITH PROJECT I.D.
1201-01-70

LIMITS TO BE
DETERMINED

LIGHTS INSTALLED
WITH FUTURE
PROJECT

XXX+XX 'X' - XX.X' XT - SL204
6 - 6 - 10 - LED A - X

XXX+XX 'X' - XX.X' XT - SL203
6 - 6 - 10 - LED A - X

LEGEND:

- SINGLE ARM LIGHTING UNIT
- DOUBLE ARM LIGHTING UNIT
- CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE
- PULL BOX (24"X42" STEEL)
- LIGHTING CONDUIT (2" SCHEDULE 40 PVC UNLESS NOTED)
- RAMP GATE

XXX+XX'XX' - XX.X' XT - SLX
6 - 6 - 10 - LED A - X

- STATION
- OFFSET
- LIGHT UNIT NUMBER
- CIRCUIT LETTER (LEFT/RIGHT)
- LUMINAIRE TYPE
- MAST ARM LENGTH
- POLE TYPE
- BASE TYPE

HIGHWAY LIGHTING

STH 128 & IH 94 PARK AND RIDE

CADY TOWNSHIP ST. CROIX COUNTY

LIGHTING NO. L-55-0006

REGION CONTACT: PAGE X OF X

PROJECT NO: 1021-01-70	HWY: STH 128	COUNTY: ST. CROIX	LIGHTING PLAN	SHEET	E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 02 (IH 94 & STH 128 ROUNDABOUT DESIGN)\CIVIL 3D\SHEETSPLAN\LIGHTING\1201-01-70 LIGHTING.DWG 11/25/2015 9:12 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

The line from PB12803 to 12802 and PB 12802 to to PB12801 was moved from the east side of STH 128 to the west side of STH 128.

(3) 2-INCH NONMETALLIC CONDUIT, SPECIAL. (1) WITH (3) NO. 6 AWG LIGHTING WIRES, (1) WITH NO. 12 AWG LIGHTING WIRE, & (1) WITH 6-COUNT FOC (S-F)

(2) 2-INCH NONMETALLIC CONDUIT, SPECIAL. (1) WITH NO. 12 AWG LIGHTING WIRE, & (1) WITH 6-COUNT FOC (S-F)

CCTV-55-0026
(1) 50-FOOT CAMERA POLE CONCRETE BASE
(1) 50-FOOT CAMERA POLE (S-F)
(1) CCTV CAMERA (S-F)
(1) POLE-MOUNT CABINET (S-F)
(1) 12-COUNT F.O. TERMINATION PANEL (S-F)
(6) F.O. TERMINATIONS
(1) ETHERNET SWITCH (S-F)
(1) ETHERNET VIDEO CODEC (S-F)
(1) BREAKER DISCONNECT BOX

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

~~(1) 2-INCH NONMETALLIC CONDUIT, SPECIAL WITH (3) NO. 6 AWG LIGHTING WIRES~~

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

~~(2) 2-INCH NONMETALLIC CONDUITS, SPECIAL (1) WITH (1) 6-COUNT FOC (S-F) AND (1) NO. 12 AWG LIGHTING WIRE~~

(2) 2-INCH NONMETALLIC CONDUITS (1) WITH (1) 6-COUNT FOC (S-F) AND (1) NO. 12 AWG LIGHTING WIRE

~~(2) 2-INCH NONMETALLIC CONDUITS (1) WITH (1) 6-COUNT FOC (S-F) AND (1) NO. 12 AWG LIGHTING WIRE~~

EXCVEC318MNBL
(1) INSTALL PROPOSED CONDUIT INTO EXISTING VAULT
(1) NEW TYPE 1 COMMUNICATIONS VAULT
(15) F.O. SPLICES IN NEW F.O. SPLICE ENCLOSURE (S-F)
(NOTES: VERIFY VAULT IS WISDOT'S VAULT IN THIS SYSTEM AND PLACE NEW VAULT ON TOP TO MATCH EXISTING GRADE WHEN WORK IS COMPLETED)

CAMERA ORIENTATION

PB12803
MB12801
PB12804
PB12802
PB12801
PB12802
PB12801

POOL
SIGN
A/C
I SIGN
INL
I 94
ST. TH. 128

N

PROJECT NO: 1022-07-77	HWY: IH 94	COUNTY: ST. CROIX	FTMS PLAN SHEETS	SHEET	E

FILE NAME : \\mlww400\ingrproj\60816\eau_claire\10220777\10220777_fm_10.dgn PLOT DATE : 2/27/2014 PLOT BY : pkutz PLOT NAME : PLOT SCALE : 100:1

TRANSPORTATION PROJECT PLAT NO: 1021-01-20 - 4.01

LOCATED IN PART OF THE SW 1/4 - SW 1/4 OF SECTION 3; AND PART OF THE SE 1/4 - SE 1/4 OF SECTION 4; ALL LOCATED IN TOWNSHIP 28 NORTH, RANGE 15 WEST, TOWN OF CADY, ST. CROIX COUNTY, WISCONSIN

RELOCATION ORDER IH 94 BALDWIN - MENOMONIE (STH 128 BRIDGE B-55-0021) ST. CROIX COUNTY

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

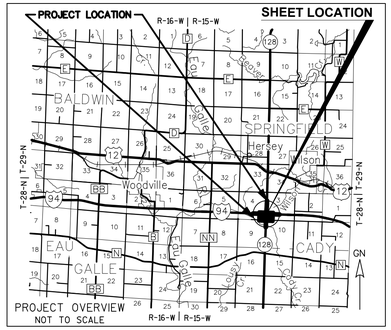
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

1018441
BETH PABST
REGISTER OF DEEDS
ST. CROIX CO., WI
RECEIVED FOR RECORD
09/14/2015 1:07 PM
EXEMPT #
PAGES: 2

****The above recording information verifies that this document has been electronically recorded & returned to the submitter**

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1021-01-20 - 4.01
SHEET 1 OF 2
AMENDMENT NO:___

PROJECT LOCATION — SHEET LOCATION



SCHEDULE OF LANDS AND INTERESTS REQUIRED		OWNER NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT				
PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W S.F. REQUIRED			TLE S.F. REQUIRED
			NEW	EXISTING	TOTAL	
1	Merry Stockman	FEE, A.R.	41,739	-	41,739	-
2	Ebenezer Oaks, Inc.	FEE, A.R.	3,590	-	3,590	-

FND ALUM. MONUMENT
County Coordinates
Y = 328927.560
X = 650805.158
SEC 100

FND SURVEY SPINDLE
County Coordinates
Y = 328952.704
X = 656110.457
SEC 111

FND ALUM. MONUMENT
County Coordinates
Y = 328935.724
X = 661400.784
SEC 104

QUARTER LINE — QUARTER LINE — SECTION LINE

BEGIN PROJECT 1021-01-20
STA. 250+93.08"EB", 0.00' RT. (IH-94) 157
Y = 327427.181
X = 654758.740
=STA 250+89.77 (PROJECT I-94-1(2)0)

END PROJECT 1021-01-20 158
STA. 277+46.51"EB", 0.00' RT. (IH-94)
Y = 327434.376
X = 657412.162
=STA 277+59.86 (PROJECT I-94-I(2)0)

SEE SHEET 4.02

IH "94"EB

40 LINE — 255+00"EB" — 260+00"EB" — 265+00"EB" — 270+00"EB" — 275+00"EB" — 40 LINE

250+93.48"B"
Y=327390.049
654758.114
R/L= S85°34'53"E
196.37'
PC: 252+89.88
R/L= N89°50'41"E
PC: 256+52.01
263+59.11"EB"=
PI: 248+51.26"NB"
Y=327430.614
X=656024.769
264+17.99
2653.43'
270+57.31"D"
Y=327339.744
X=656711.803
270+00"D"
549.95'
R/L= N71°45'07"E
110.00'

C1 255+00"B" R/L= S71°53'10"E 275.76'
C2 260+00"B" R/L= N87°50'20"E 105.38'
C3 262+99.03"B" Y=327153.476 X=655924.451
C4 263+98.41"D" Y=327137.710 X=656084.745

PT: 247+54.74
PC: 246+66.13
PI: 246+55.21
PT: 246+08.41
PC: 264+52.37
PC: 265+01.36
PT: 262+86.99
PC: 245+45.55
PI: 244+98.75
PT: 244+88.01
PC: 243+94.17
PT: 242+08.43
PC: 240+05.06
240+00"NB"
293.70'
100.00'
R/L= N1°18'54"E

L1 12.03' S43°47'11"E
L2 53.96' N74°54'10"E
L3 185.73' N12°23'36"W
L4 10.75' N31°19'12"E
L5 46.80' N33°35'06"E
L6 46.80' N21°24'11"W
L7 10.92' N19°59'16"W
L8 266.01' N01°23'22"W

PROP401 — PROP400 — PROP421 — PROP402 — PROP420 — PROP419 — PROP418 — PROP405 — PROP416

33.00' **50TH AVE.** 33.00' **50TH AVE.**
SECTION LINE 5+00 R/L= N89°41'13"E 500.00' 8+06.41 11+34.57 R/L= S89°55'40"E 500.00' 15+00 SECTION LINE
5+00.00= Y=326315.262 X=655564.051
15+00.00= Y=326317.364 X=656564.043

BEGIN PROJECT 1021-01-20
STA. 237+11.36"NB", 0.00' RT. (S.T.H. 128)
STA. 10+00.00, 0.00' RT. (50TH AVE.)
FND SURVEY SPINDLE
County Coordinates
Y = 326317.993
X = 656064.043
=STA 237+11.36 (PROJECT 7634-02-21)

FND SURVEY SPINDLE
County Coordinates
Y = 326303.539
X = 653418.058
SEC 108

FND SURVEY SPINDLE
County Coordinates
Y = 326314.638
X = 658730.022
SEC 106

FND SURVEY SPINDLE
County Coordinates
Y = 331515.172
X = 653491.411
SEC 101

FND ALUM. MONUMENT
County Coordinates
Y = 331559.921
X = 658779.538
SEC 103

SEC 107

TOWN OF CADY

S.T.H. "128"

SE-SE SEC-4 — SW-SW SEC-3

V.2930, P.321 — V.1096, P.101 — V.2930, P.321

B RAMP R/L CURVE DATA
CURVE 1
PI = 254+71.81
Y = 327360.901
X = 655135.327
Δ = 13°41'43"
D = 3°46'55"
T = 181.93'
L = 362.13'
R = 1515.00'
LCH = 361.27'
LCB = S78°44'01"E
PC = 252+89.88
PT = 256+52.01

B RAMP R/L CURVE DATA
CURVE 2
PI = 259+99.29
Y = 327196.364
X = 655638.313
Δ = 20°16'31"
D = 14°19'26"
T = 71.52'
L = 141.55'
R = 400.00'
LCH = 140.81'
LCB = S82°01'25"E
PC = 259+27.77
PT = 260+69.32

B RAMP R/L CURVE DATA
CURVE 3
PI = 262+34.44
Y = 327205.288
X = 655874.788
Δ = 48°22'30"
D = 43°04'46"
T = 59.74'
L = 112.29'
R = 133.00'
LCH = 108.99'
LCB = S67°58'26"E
PC = 261+74.70
PT = 262+86.99

D RAMP R/L CURVE DATA
CURVE 4
PI = 264+79.87
Y = 327158.927
X = 656163.392
Δ = 3°09'02"
D = 5°43'46"
T = 27.50'
L = 54.99'
R = 1000.00'
LCH = 54.98'
LCB = N73°19'39"E
PC = 264+52.37
PT = 265+07.36

S.T.H. 128 NB R/L CURVE DATA
CURVE 5
PI = 241+07.24
Y = 326713.764
X = 656073.127
Δ = 13°42'30"
D = 6°44'26"
T = 102.17'
L = 203.37'
R = 850.00'
LCH = 202.88'
LCB = N5°32'21"W
PC = 240+05.06
PT = 242+08.43

S.T.H. 128 NB R/L CURVE DATA
CURVE 6
PI = 244+43.50
Y = 327043.149
X = 656000.747
Δ = 43°42'48"
D = 46°34'55"
T = 49.34'
L = 93.84'
R = 123.00'
LCH = 91.58'
LCB = N9°27'48"E
PC = 243+94.17
PT = 244+88.01

S.T.H. 128 NB R/L CURVE DATA
CURVE 7
PI = 245+79.64
Y = 327161.860
X = 656076.723
Δ = 54°59'17"
D = 87°28'28"
T = 34.09'
L = 62.86'
R = 65.50'
LCH = 60.48'
LCB = N6°05'27"E
PC = 245+45.55
PT = 246+08.41

S.T.H. 128 NB R/L CURVE DATA
CURVE 8
PI = 247+10.83
Y = 327289.436
X = 656028.194
Δ = 18°35'54"
D = 20°59'15"
T = 44.70'
L = 88.62'
R = 273.00'
LCH = 88.23'
LCB = N10°41'19"W
PC = 246+66.13
PT = 247+54.74

GRID NORTH

SCALE, FEET
0 100 200

STATION & OFFSET TABLE TO 50TH AVE ALIGNMENT				
POINT	STATION	OFFSET	Y COORDS	X COORDS
150	8+06.41	39.35' LT	326356.280	655870.238
151	9+02.37	84.98' LT	326402.442	655965.955
160	10+63.92	179.93' LT	326497.842	656128.187
PROP416	11+34.21	33.00' LT	326350.824	656198.296

STATION & OFFSET TABLE TO EB IH-94 ALIGNMENT				
POINT	STATION	OFFSET	Y COORDS	X COORDS
153	262+22.07	463.91 RT'	326966.283	655868.868
154	261+46.29	372.58 RT'	327057.407	655792.840
155	255+52.07	178.81 RT'	327249.565	655198.099
156	252+70.12	120.00 RT'	327307.607	654915.985
159	277+64.84	110.00 RT'	327324.372	657410.674
PROP401	251+10.97	120.00 RT'	327307.176	654756.839
PROP420	265+33.33	418.65 RT'	327012.387	656180.008
PROP421	275+19.94	110.00 RT'	327323.708	657165.777

STATION & OFFSET TABLE TO NB S.T.H. "128" ALIGNMENT				
POINT	STATION	OFFSET	Y COORDS	X COORDS
150	237+45.19	194.63' LT	326356.280	655870.238
151	237+93.54	100.00' LT	326402.442	655965.955
152	241+12.09	94.02' LT	326708.826	655972.988
153	243+95.34	145.31' LT	326966.283	655868.868
154	244+33.82	217.54' LT	327057.407	655792.840
160	238+92.63	60.00' RT	326497.842	656128.187
PROP416	237+47.26	133.46' RT	326350.824	656198.296
PROP419	240+64.97	102.36' RT	326676.367	656172.295
PROP420	243+74.98	168.48' RT	327012.387	656180.008

BASIS OF EXISTING R/W TABLE				
ROAD NAME	PROJECT / SURVEY	P=PARCEL L=LOT NO.	VOL./PAGE	YEAR
I-94	I-94-I(2)0	116	-	-
S.T.H. 128	I-94-I(2)0	116	-	-
S.T.H. 128	7634-02-21	35	640/298	1981
S.T.H. 128	7634-02-21	36	638/441	1981
S.T.H. 128	7634-02-21	37	-	-
50TH AVE	7634-02-21	35	640/298	1981
50TH AVE	7634-02-21	36	638/441	1981

EXISTING MONUMENTS			
Point #	Y	X	DESCRIPTION
PROP400	327308.014	655065.984	1" IRON PIPE
PROP401	327307.176	654756.839	1" IRON PIPE
PROP402	327012.712	655979.963	1" IRON PIPE
PROP405	326350.451	655964.762	1" IRON PIPE
PROP416	326350.824	656198.296	1" IRON PIPE
PROP418	326677.285	656132.306	1" IRON PIPE
PROP419	326676.367	656172.295	1" IRON PIPE
PROP420	327012.387	656180.008	1" IRON PIPE
PROP421	327323.708	657165.777	1" IRON PIPE

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
107-149	S 89°41'13" W	193.59'
149-150	N 00°18'47" W	39.35'
150-151	N 64°15'11" E	106.27'
151-152	N 01°18'54" E	306.46'
152-153	N 22°01'09" W	277.71'
153-154	N 39°50'22" W	118.68'
154-155	N 72°05'41" W	625.01'
155-156	N 78°22'27" W	288.02'
156-PROP401	S 89°50'41" W	159.15'
PROP401-157	N 00°54'28" E	120.02'
157-158	N 89°50'41" E	2,653.43'
158-159	S 00°46'31" W	110.02'
159-PROP421	S 89°50'41" W	244.90'
PROP421-PROP420	S 72°28'23" W	1,033.76'
PROP420-PROP419	S 01°18'54" W	336.11'
PROP419-160	S 13°52'41" W	183.89'
160-PROP416	S 25°29'44" E	162.88'
PROP416-161	S 00°33'18" E	33.00'
161-107	N 89°55'40" W	134.57'

SECTION COURSE TABLE		
COURSE	BEARING	DISTANCE
107-108	S 89°41'13" W	2646.02'
108-101	N 00°48'23" E	5212.15'
107-106	S 89°55'40" E	2665.98'
106-103	N 00°32'27" E	5245.52'
107-111	N 01°00'33" E	2635.12'
111-100	S 89°43'42" W	5305.36'
111-104	S 89°48'58" E	5290.35'

QUEST
Civil Engineers, LLC
320 West Grand Avenue, Suite 302
Wisconsin Rapids, WI 54495
Office: 715-423-3525
Fax: 715-423-3597

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

SIGNATURE: Kolby F. Schertz DATE: 9/9/2015
PRINT NAME: KOLBY F. SCHERTZ
REGISTRATION NUMBER: S-2862

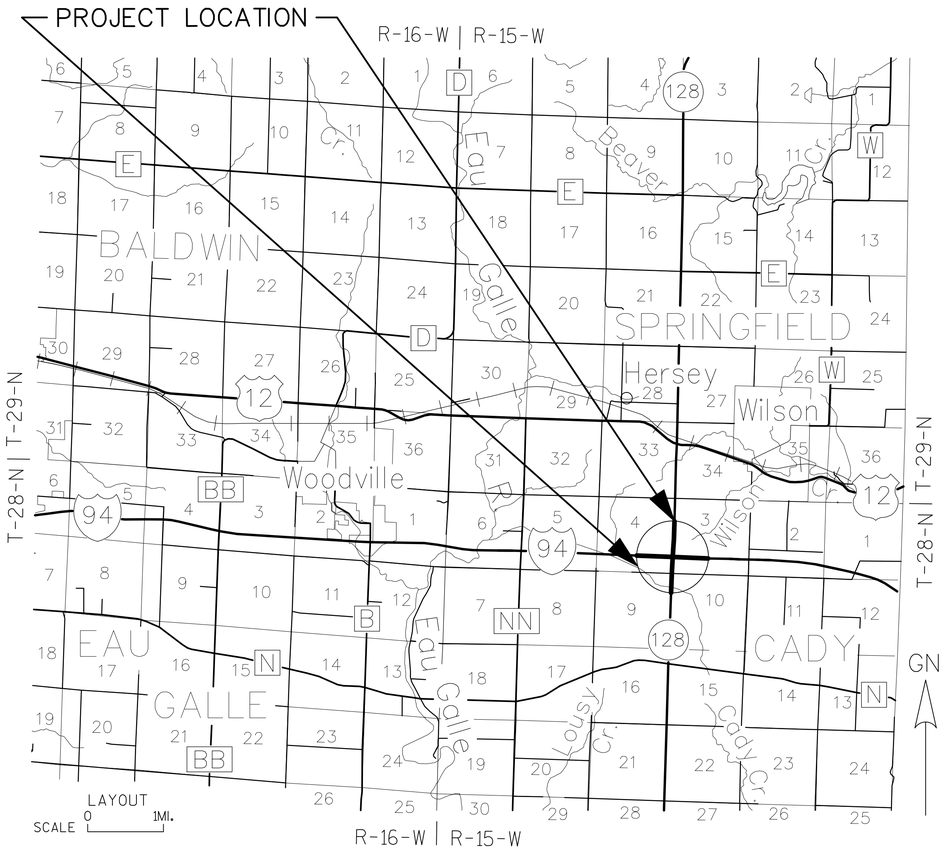
WISCONSIN KOLBY F. SCHERTZ S-2862 SEYMOUR WI LAND SURVEYOR

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

SIGNATURE: Michael Piller DATE: 9/9/2015
PRINT NAME: MICHAEL PILLER

FILE NAME : S:\SURVEY\LAND SURVEYS\2014 PROJECTS\WO#2 ID1021-01-00 IH-94 (STH 128 INTERSECTION) ST. CROIX COUNTY TPP\DRAWINGS\10210100_IH94-STH128_TPP.DWG PLOT DATE : September 9, 2015 PLOT BY : KOLBY SCHERTZ PLOT NAME : IH 94/S.T.H. 128 PLOT SCALE : 1" = 100'
APPRAISAL PLAT DATE : _____

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
PROJECT NO. 1021-01-20
TOWN OF CADY
BALDWIN - MENOMONIE
IH 94
ST. CROIX COUNTY



CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
FEE ACQUISITION AREA (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (HIGHWAY, PERMANENT LIMITED, OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING
NATIONAL GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT

SECTION CORNER
NOTATION FOR COMBUSTIBLE FLUIDS
NOTATION FOR HIGH VOLTAGE TRANSMISSION LINES
ELECTRIC POLE
TELEPHONE POLE
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)
ACCESS CONTROLLED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
BRIDGE
EXISTING MONUMENT NUMBER
R/W BOUNDARY POINT NUMBER

R/W MONUMENT
NON-MONUMENTED R/W POINT
FOUND IRON MON.
VALVE (GAS, WATER, ETC.)
SIGN
OFF-PREMISE SIGN
COMPENSABLE
NON-COMPENSABLE
PARCEL NUMBER 25
UTILITY NUMBER 40

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REFERENCE LINE	R/L
BACK	BK	REMAINING	REM
BLOCK	BLK	RIGHT	RT
CENTERLINE	C/L	RIGHT OF WAY	R/W
CERTIFIED SURVEY MAP	CSM	SECTION	SEC
CONCRETE	CONC	SEPTIC VENT	SEPV
COUNTY	CO	SQUARE FEET	SF
COUNTY TRUNK HIGHWAY	CTH	STATE TRUNK HIGHWAY	STH
DISTANCE	DIST	STATION	STA
CORNER	COR	SUBDIVISION	SUBD
DOCUMENT NUMBER	DOC	TANGENT	TAN
EASEMENT	EASE	TELEPHONE PEDESTAL	TP
EXISTING	EX	TEMPORARY LIMITED EASEMENT	TLE
GAS VALVE	GV	TRANSPORTATION PROJECT PLAT	TPP
GRID NORTH	GN	UNITED STATES HIGHWAY	USH
HIGHWAY EASEMENT	HE	VOLUME	V
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		

CURVE DATA

LONG CHORD	LC
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	Δ
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL UTILITY SYMBOLS

WATER —W—
GAS —G—
TELEPHONE —T—
OVERHEAD TRANSMISSION LINES —OH—
ELECTRIC —E—
CABLE TELEVISION —TV—
FIBER OPTIC —FO—
SANITARY SEWER —SAN—
STORM SEWER —SS—

NOTES:

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

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 1" X 24" IRON PIPES), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN EAU CLAIRE, WI.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS & INTERESTS REQUIRED.

EXISTING ACCESS CONTROL ALONG IH-94 AND S.T.H. 128 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECTS 7634-02-21 & I-94-1(2)0
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR IH-94 AND S.T.H. 128 ESTABLISHED FROM PREVIOUS PROJECTS 7634-02-21 & I-94-1(2)0

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1021-01-20 - 4.01
SHEET 2 OF 2
AMENDMENT NO:

TRANSPORTATION PROJECT PLAT NO: 1021-01-20 - 4.02

PART OF THE SE 1/4 - SE 1/4 AND THE NE 1/4 - SE 1/4 OF SECTION 4; AND PART OF LOT 1 OF OF CSM NO. 5754, VOL. 25, PAGE 5754 LOCATED IN AND INCLUDING THE NW 1/4 - SW 1/4 OF SECTION 3; ALL LOCATED IN TOWNSHIP 28 NORTH, RANGE 15 WEST, TOWN OF CADY, ST. CROIX COUNTY, WISCONSIN

RELOCATION ORDER IH 94 BALDWIN - MENOMONIE (STH 128 BRIDGE B-55-0021) ST. CROIX COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

QUEST
Civil Engineers, LLC

320 West Grand Avenue, Suite 302
Wisconsin Rapids, WI 54495
Office: 715-423-3525
Fax: 715-423-3597

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

SIGNATURE: Kolby Schertz DATE: 9/22/2015
PRINT NAME: KOLBY F. SCHERTZ
REGISTRATION NUMBER: S-2862

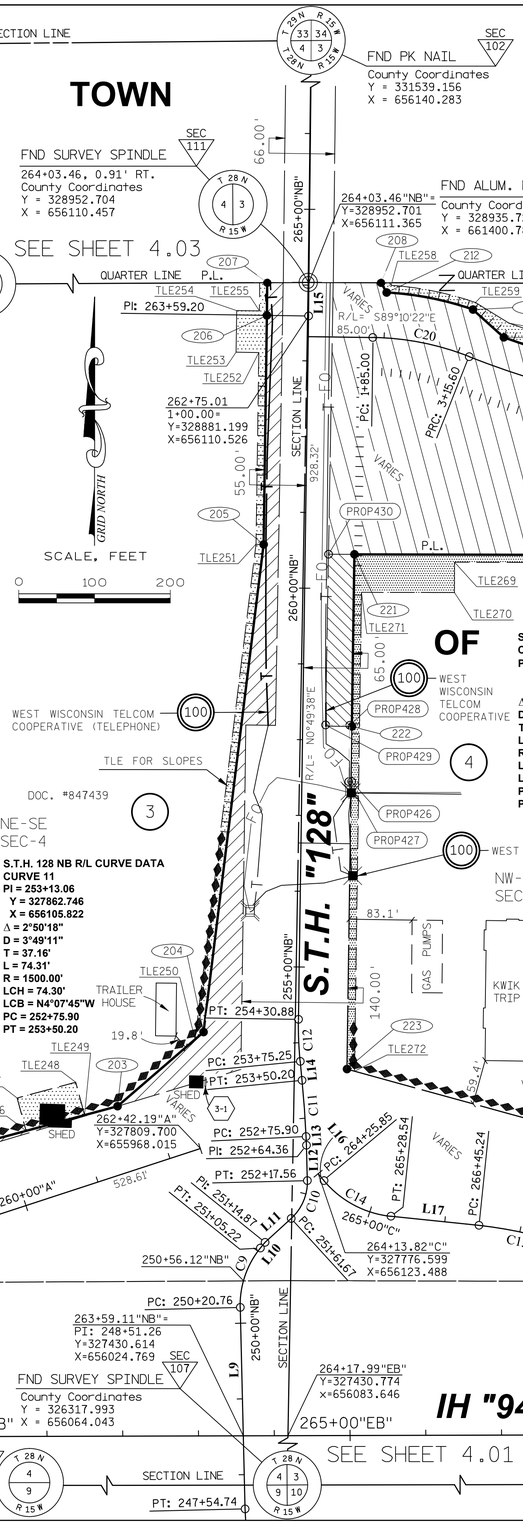
KOLBY F. SCHERTZ S-2862 SEYMOUR WI — WISCONSIN — LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTHWEST REGION
SIGNATURE: Michael Piller DATE: 9/22/2015
PRINT NAME: MICHAEL PILLER

1018986
BETH PABST
REGISTER OF DEEDS
ST. CROIX CO., WI
RECEIVED FOR RECORD
09/24/2015 9:54 AM
EXEMPT #
PAGES: 1

****The above recording information verifies that this document has been electronically recorded & returned to the submitter**

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1021-01-20 - 4.02
AMENDMENT NO:___



STATION & OFFSET TABLE TO NB S.T.H. "128" ALIGNMENT				
POINT	STATION	OFFSET	Y COORDS	X COORDS
203	253+37.58	245.66' LT	327865.469	655858.692
204	254+16.03	125.28' LT	327963.457	655972.263
205	260+56.85	55.00' LT	328606.911	656051.560
206	263+59.08	55.00' LT	328909.115	656055.923
207	264+02.66	55.00' LT	328952.448	656056.360
208	264+04.12	95.22' RT	328952.395	656206.582
212	263+91.14	102.64' RT	328939.348	656213.871
213	263+69.76	216.94' RT	328916.815	656327.959
214	263+34.69	258.07' RT	328880.205	656368.610
215	262+81.77	528.91' RT	328823.379	656638.661
216	262+74.94	650.93' RT	328814.788	656760.564
217	261+95.06	646.46' RT	328734.986	656754.940
218	261+98.42	586.55' RT	328739.204	656695.089
219	261+67.48	567.76' RT	328708.543	656675.849
220	260+51.43	569.43' RT	328592.482	656675.849
221	260+45.53	65.00' RT	328593.864	656171.384
222	258+18.40	65.00' RT	328366.754	656168.106
223	253+59.15	60.50' RT	327914.489	656161.576
TLE250	254+08.53	136.77' LT	327953.729	655960.989
TLE251	260+57.39	65.00' LT	328607.596	656041.569
TLE252	263+10.00	65.00' LT	328860.182	656045.216
TLE253	263+10.00	95.02' LT	328860.616	656015.198
TLE254	263+65.28	95.00' LT	328915.479	656015.985
TLE255	263+65.28	65.00' LT	328915.177	656045.984
TLE258	264+00.84	108.61' RT	328948.987	656219.941
TLE259	263+79.24	220.13' RT	328926.263	656331.236
TLE260	263+53.61	264.55' RT	328899.030	656375.364
TLE261	263+01.74	530.03' RT	328843.329	656640.067
TLE262	262+94.35	662.03' RT	328834.035	656771.946
TLE263	261+84.52	655.88' RT	328724.308	656764.213
TLE264	261+88.10	591.98' RT	328728.807	656700.370
TLE265	261+64.75	577.80' RT	328705.666	656685.849
TLE266	260+01.55	580.15' RT	328542.454	656685.850
TLE267	260+00.16	461.28' RT	328542.780	656566.971
TLE268	260+40.16	460.81' RT	328582.780	656567.080
TLE269	260+37.08	197.26' RT	328583.502	656303.509
TLE270	259+97.08	197.73' RT	328543.502	656303.399
TLE271	259+95.64	75.00' RT	328543.839	656180.663
TLE272	253+55.46	70.15' RT	327911.751	656171.538

STATION & OFFSET TABLE TO IH-94 ALIGNMENT				
POINT	STATION	OFFSET	Y COORDS	X COORDS
201	250+96.79	200.00 LT	327627.191	654761.909
202	253+10.00	200.00 LT	327627.769	654975.117
203	261+94.22	435.30 LT	327865.469	655858.692
204	263+08.05	532.98 LT	327963.457	655972.263
223	264+97.23	483.50 LT	327914.489	656161.576
224	274+99.83	205.00 LT	327638.707	657164.923
225	277+49.84	205.00 LT	327639.385	657414.937
TLE246	260+73.42	403.16 LT	327832.996	655737.984
TLE247	260+61.85	446.64 LT	327876.451	655726.293
TLE248	261+39.16	467.22 LT	327897.234	655803.547
TLE249	261+50.73	423.73 LT	327853.779	655815.237
TLE250	262+96.75	523.29 LT	327953.729	655960.989
TLE272	265+07.19	480.74 LT	327911.751	656171.538

EXISTING MONUMENTS			
Point #	Y	X	DESCRIPTION
PROP424	327640.437	657158.455	1" IRON PIPE
PROP426	328294.093	656167.753	1" IRON PIPE BENT
PROP427	328293.875	656163.822	1" IRON PIPE
PROP428	328368.188	656165.170	1" IRON PIPE
PROP429	328368.738	656133.203	1" IRON PIPE
PROP430	328593.958	656137.142	1" IRON PIPE

S.T.H. 128 NB R/L CURVE DATA
CURVE 9
PI = 250+64.82
Y = 327644.112
X = 656019.591
Δ = 40°19'42"
D = 47°44'47"
T = 44.07'
L = 84.46'
R = 120.00'
LCH = 82.73'
LCB = N18°46'28"E
PC = 250+20.76
PT = 251+05.22

"A" R/L CURVE DATA
CURVE 13
PI = 253+56.33
Y = 327532.959
X = 655121.689
Δ = 15°45'18"
D = 2°11'28"
T = 361.81'
L = 719.06'
R = 2615.00'
LCH = 716.80'
LCB = N79°46'13"E
PC = 249+94.52
PT = 257+13.58

SCHEDULE OF SIGN STRUCTURES		
SIGN NUMBER	SIGN OWNER(S)	OASIS NUMBER
3-1	CADY CHEESE FACTORY	9865

S.T.H. 128 NB R/L CURVE DATA
CURVE 10
PI = 251+91.44
Y = 327737.546
X = 656109.879
Δ = 48°53'33"
D = 87°28'28"
T = 29.78'
L = 55.89'
R = 65.50'
LCH = 54.21'
LCB = N23°08'02"E
PC = 251+61.67
PT = 252+17.56

S.T.H. 128 NB R/L CURVE DATA
CURVE 11
PI = 253+13.06
Y = 327862.746
X = 656105.822
Δ = 2°50'18"
D = 3°49'11"
T = 37.16'
L = 74.31'
R = 1500.00'
LCH = 74.30'
LCB = N4°07'45"W
PC = 252+75.90
PT = 253+50.20

S.T.H. 128 NB R/L CURVE DATA
CURVE 12
PI = 254+03.09
Y = 327952.373
X = 656097.116
Δ = 6°22'31"
D = 11°27'33"
T = 27.85'
L = 55.64'
R = 500.00'
LCH = 55.61'
LCB = N2°21'38"W
PC = 253+75.25
PT = 254+30.88

"C" RAMP R/L CURVE DATA
CURVE 14
PI = 264+79.91
Y = 327725.870
X = 656165.847
Δ = 44°14'13"
D = 43°04'46"
T = 54.06'
L = 102.69'
R = 133.00'
LCH = 100.16'
LCB = S61°58'48"E
PC = 264+25.85
PT = 265+28.54

"C" RAMP R/L CURVE DATA
CURVE 15
PI = 266+97.04
Y = 327702.988
X = 656387.225
Δ = 11°49'46"
D = 11°27'33"
T = 51.80'
L = 103.23'
R = 500.00'
LCH = 103.05'
LCB = S78°11'02"E
PC = 266+45.24
PT = 267+48.47

"C" RAMP R/L CURVE DATA
CURVE 16
PI = 273+00.30
Y = 327519.156
X = 656962.177
Δ = 17°53'10"
D = 4°08'13"
T = 217.95'
L = 432.36'
R = 1385.00'
LCH = 430.61'
LCB = S81°12'44"E
PC = 270+82.35
PT = 275+14.71

CURVE 212-213
L = 116.67'
LC = 116.29'
LCB = S78° 49' 40"E
R = 420.00'

CURVE 214-215
L = 276.83'
LC = 275.97'
LCB = S78° 07' 00"E
R = 1010.00'

"P" R/L CURVE DATA
CURVE 20
PI = 2+51.02
Y = 328879.018
X = 656261.535
Δ = 20°47'07"
D = 15°54'56"
T = 66.02'
L = 130.60'
R = 360.00'
LCH = 129.88'
LCB = S78°46'48"E
PC = 1+85.00
PT = 3+15.60

"P" R/L CURVE DATA
CURVE 21
PI = 4+77.97
Y = 328794.892
X = 656473.877
Δ = 17°34'53"
D = 5°27'24"
T = 162.37'
L = 322.20'
R = 1050.00'
LCH = 320.93'
LCB = S77°10'41"E
PC = 3+15.60
PT = 6+37.79

BASIS OF EXISTING R/W TABLE				
ROAD NAME	PROJECT / SURVEY	P=PARCEL L=LOT NO.	VOL./PAGE	YEAR
I-94	I-94-1(2)0	115	344/205	1957
I-94	I-94-1(2)0	117	339/493	1957
S.T.H. 128	I-94-1(2)0	117	339/493	1957
S.T.H. 128	I-94-1(2)0	120	339/493	1957
S.T.H. 128	BY WIS. STATE STATUTE 82.31 (2)	-	-	-

SECTION COURSE TABLE		
COURSE	BEARING	DISTANCE
107-108	S 89°41'13" W	2646.02'
108-101	N 00°48'23" E	5212.15'
107-106	S 89°55'40" E	2665.98'
106-103	N 00°32'27" E	5245.52'
107-111	N 01°00'33" E	2635.12'
111-100	S 89°43'42" W	5305.36'
111-104	S 89°48'58" E	5290.35'
111-102	N 00°39'38" E	2586.62'
102-101	S 89°28'52" W	2648.98'
102-103	N 89°32'57" E	2639.34'
107-STA264+17.99"EB"	N 01°00'33" E	1112.95'
111-STA264+03.46"NB"	S 89°48'58" E	0.91'

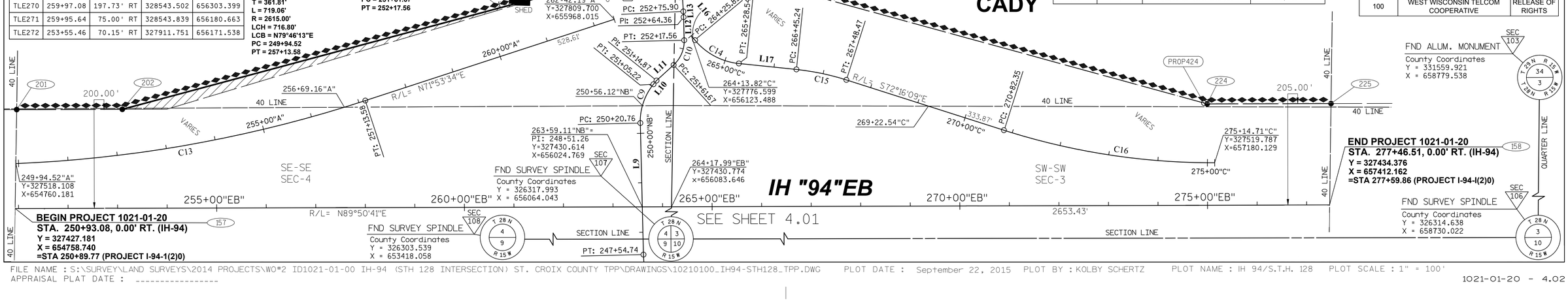
LINE TABLE		
LINE #	LENGTH	DIRECTION
L9	266.01'	N01°23'22"W
L10	9.65'	N38°56'19"E
L11	46.80'	N47°34'49"E
L12	46.80'	N01°18'44"W
L13	11.54'	N02°42'36"W
L14	25.04'	N05°32'54"W
L15	483.47'	N00°34'38"E
L16	12.03'	S39°51'42"E
L17	116.70'	S84°05'55"E

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
STA264+17.99"NB"-157	S 89°50'41" W	1,324.91'
157-201	N 00°54'28" E	200.03'
201-202	N 89°50'41" E	213.21'
202-203	N 74°56'34" E	914.99'
203-204	N 49°12'46" E	150.00'
204-205	N 07°01'32" E	648.32'
205-206	N 00°49'38" E	302.24'
206-207	N 00°34'38" E	43.34'
207-111	N 89°43'42" E	54.10'
111-208	S 89°48'58" E	96.13'
208-212	S 29°11'23" E	14.95'
212-213	CURVE	
213-214	S 47°59'37" E	54.71'
214-215	CURVE	
215-216	S 85°58'08" E	122.21'
216-217	S 04°01'52" W	80.00'
217-218	N 85°58'08" W	60.00'
218-219	S 32°06'30" W	36.20'
219-220	S 00°00'00" E	116.06'
220-221	N 89°50'35" W	504.47'
221-222	S 00°49'38" W	227.13'
222-223	S 00°49'38" W	452.31'
223-224	S 74°37'52" E	1,040.56'
224-225	N 89°50'41" E	250.01'
225-158	S 00°46'31" W	205.03'
158-STA264+17.99"NB"	S 89°50'41" W	1,328.52'

SCHEDULE OF LANDS AND INTERESTS REQUIRED			OWNER NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT			
PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W S.F. REQUIRED			TLE S.F. REQUIRED
			NEW	EXISTING	TOTAL	
3	THOMAS & MAUREEN ANDERSON AND CADY HOLDINGS, LLC	FEE, TLE, A.R.	43,121	-	43,121	15,237
4	ZRH PARTNERSHIP	FEE, TLE, A.R.	7,852	-	7,852	21,506
6	HDH LEASING CORP	FEE, TLE, A.R.	160,785	-	160,785	13,069

UTILITY INTEREST TABLE			
UTILITY #	PARCEL #	INTEREST DESCRIPTION	RECORDING DATA
100	4	RIGHT OF WAY GRANT	V. 605, PG. 351

UTILITY INTERESTS REQUIRED		
UTILITY #	OWNER(S)	INTEREST REQUIRED
100	WEST WISCONSIN TELCOM COOPERATIVE	RELEASE OF RIGHTS



FILE NAME : S:\SURVEY\LAND SURVEYS\2014 PROJECTS\WO#2 ID1021-01-00 IH-94 (STH 128 INTERSECTION) ST. CROIX COUNTY TPP\DRAWINGS\10210100_IH94-STH128_TPP.DWG PLOT DATE : September 22, 2015 PLOT BY : KOLBY SCHERTZ PLOT NAME : IH 94/S.T.H. 128 PLOT SCALE : 1" = 100'
APPRAISAL PLAT DATE : ----------

TRANSPORTATION PROJECT PLAT NO: 1021-01-20 - 4.03

PART OF THE SE 1/4 - NE 1/4 OF SECTION 4; AND PART OF THE SW 1/4 - NW 1/4 OF SECTION 3; ALL LOCATED IN TOWNSHIP 28 NORTH, RANGE 15 WEST, TOWN OF CADY, ST. CROIX COUNTY, WISCONSIN

RELOCATION ORDER IH 94 BALDWIN - MENOMONIE (STH 128 BRIDGE B-55-0021) ST. CROIX COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

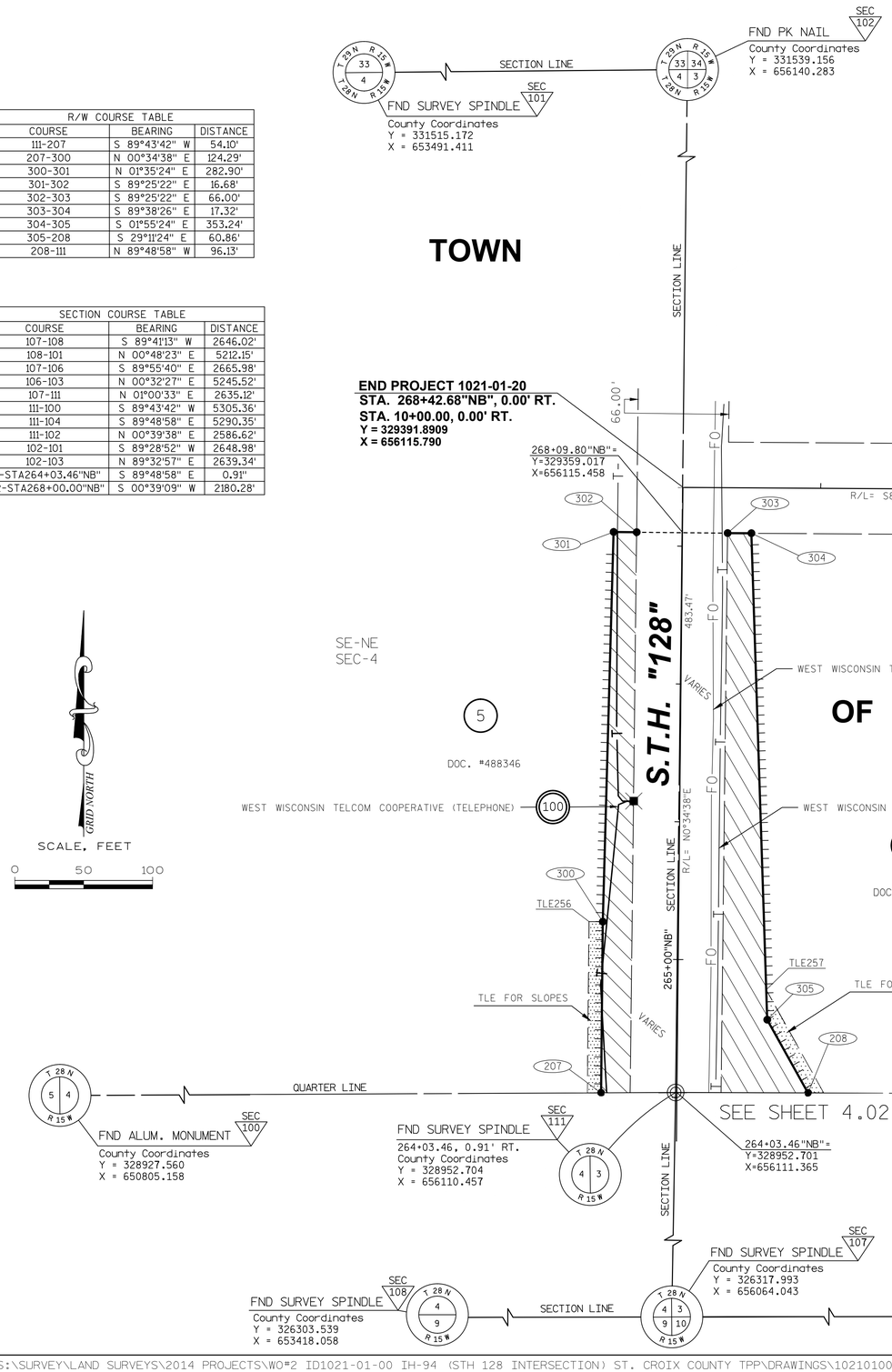
1018987
BETH PABST
REGISTER OF DEEDS
ST. CROIX CO., WI
RECEIVED FOR RECORD
09/24/2015 9:54 AM
EXEMPT #
PAGES: 1

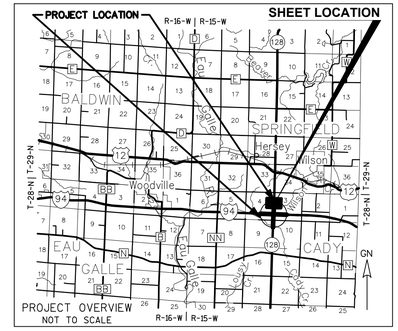
****The above recording information verifies that this document has been electronically recorded & returned to the submitter**

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1021-01-20 - 4.03
AMENDMENT NO:___

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
111-207	S 89°43'42" W	54.10'
207-300	N 00°34'38" E	124.29'
300-301	N 01°35'24" E	282.90'
301-302	S 89°25'22" E	16.68'
302-303	S 89°25'22" E	66.00'
303-304	S 89°38'26" E	17.32'
304-305	S 01°55'24" E	353.24'
305-208	S 29°11'24" E	60.86'
208-111	N 89°48'58" W	96.13'

SECTION COURSE TABLE		
COURSE	BEARING	DISTANCE
107-108	S 89°41'13" W	2646.02'
108-101	N 00°48'23" E	5212.15'
107-106	S 89°55'40" E	2665.98'
106-103	N 00°32'27" E	5245.52'
107-111	N 01°00'33" E	2635.12'
111-100	S 89°43'42" W	5305.36'
111-104	S 89°48'58" E	5290.35'
111-102	N 00°39'38" E	2586.62'
102-101	S 89°28'52" W	2648.98'
102-103	N 89°32'57" E	2639.34'
111-STA264+03.46"NB"	S 89°48'58" E	0.91"
102-STA268+00.00"NB"	S 00°39'09" W	2180.28'





STATION & OFFSET TABLE TO NB S.T.H. "128" ALIGNMENT				
POINT	STATION	OFFSET	Y COORDS	X COORDS
207	264+02.66	55.00' LT	328952.448	656056.360
208	264+04.12	95.22' RT	328952.395	656206.582
300	265+26.95	55.00' LT	329076.733	656057.612
301	268+09.80	50.00' LT	329359.520	656065.461
302	268+09.80	33.32' LT	329359.352	656082.144
303	268+09.80	32.68' RT	329358.687	656148.141
304	268+09.87	50.00' RT	329358.579	656165.456
305	264+56.95	65.00' RT	329005.527	656176.901
TLE256	265+26.95	65.00' LT	329076.832	656047.612
TLE257	264+78.71	64.08' RT	329027.294	656176.195

NOTE: FOR ADDITIONAL INFORMATION, REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1018441 IN THE OFFICE OF THE ST. CROIX COUNTY REGISTER OF DEED'S.

UTILITY INTERESTS REQUIRED		
UTILITY #	OWNER(S)	INTEREST REQUIRED
100	WEST WISCONSIN TELCOM COOPERATIVE	RELEASE OF RIGHTS

UTILITY INTEREST TABLE			
UTILITY #	PARCEL #	INTEREST DESCRIPTION	RECORDING DATA
100	5	NO EASEMENT OF RECORD	---

BASIS OF EXISTING R/W TABLE				
ROAD NAME	PROJECT / SURVEY	P=PARCEL L=LOT NO.	VOL./PAGE	YEAR
S.T.H. 128	I-94-1(210	117	339/493	1957
S.T.H. 128	I-94-1(210	120	339/493	1957
S.T.H. 128	BY WIS. STATUTE 82.31 (2)	-	-	-

SCHEDULE OF LANDS AND INTERESTS REQUIRED		OWNER NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT				
PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W S.F. REQUIRED			TLE S.F. REQUIRED
			NEW	EXISTING	TOTAL	
5	KEVIN & CECELIA LUND	FEE, TLE, A.R.	7,997	-	7,997	1,244
6	HDH LEASING CORP	FEE, TLE, A.R.	11,396	-	11,396	734

QUEST
Civil Engineers, LLC
320 West Grand Avenue, Suite 302
Wisconsin Rapids, WI 54495
Office: 715-423-3525
Fax: 715-423-3597

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

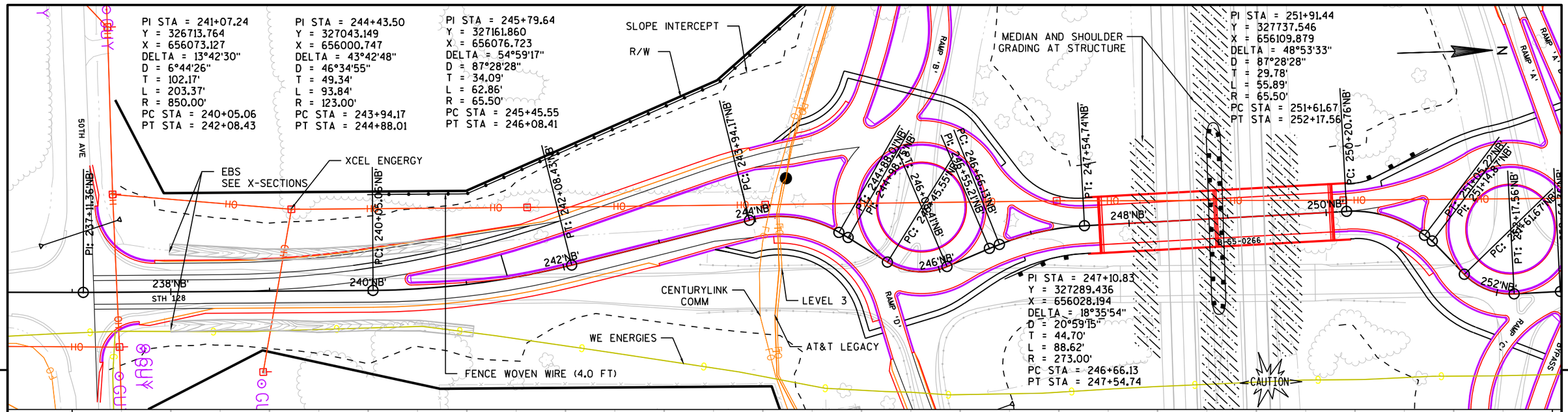
SIGNATURE: Kolby Schertz DATE:9/22/2015
PRINT NAME: KOLBY F. SCHERTZ
REGISTRATION NUMBER:S-2862

WISCONSIN KOLBY F. SCHERTZ S-2862 SEYMOUR WI LAND SURVEYOR

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

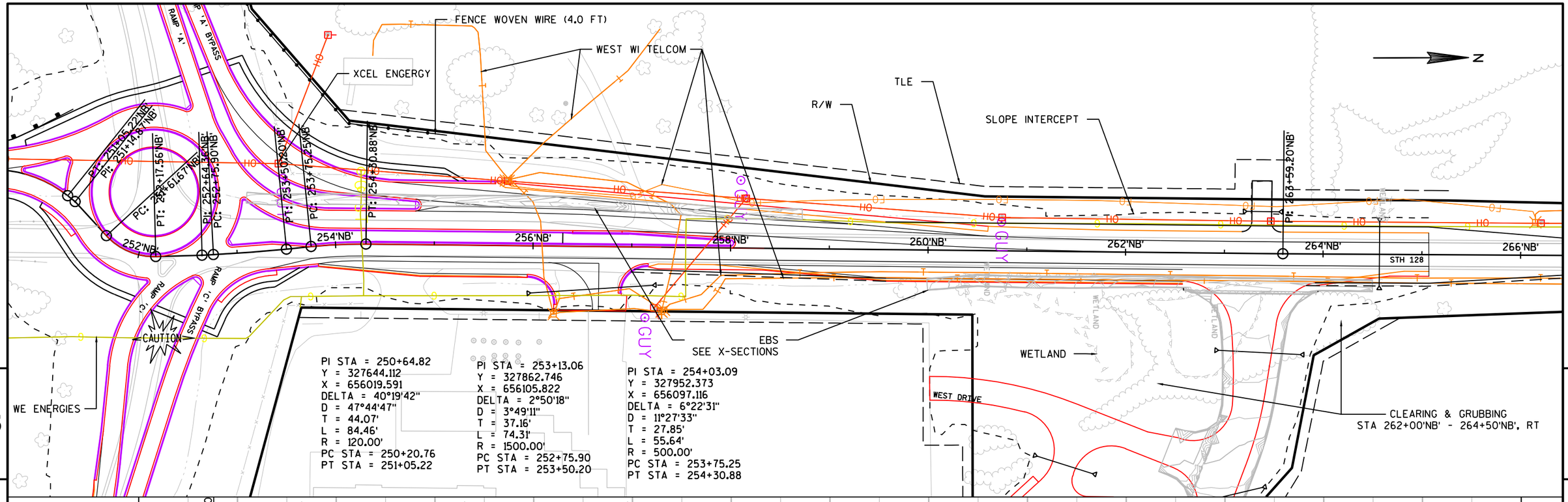
SIGNATURE: Michael Piller DATE:9/22/2015
PRINT NAME: MICHAEL PILLER

FILE NAME : S:\SURVEY\LAND SURVEYS\2014 PROJECTS\WO#2 ID1021-01-00 IH-94 (STH 128 INTERSECTION) ST. CROIX COUNTY TPP\DRAWINGS\10210100_IH94-STH128_TPP.DWG PLOT DATE : September 22, 2015 PLOT BY : KOLBY SCHERTZ PLOT NAME : IH 94/S.T.H. 128 PLOT SCALE : 1" = 50'
APPRAISAL PLAT DATE : ----------



PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: STH 128 NB	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\050301_PLN_STH128_10210100.DWG
LAYOUT NAME - SHEET - (27)
PLOT DATE : 10/6/2015 11:57 AM
PLOT BY : THAO, KOU
PLOT NAME :
PLOT SCALE : 1 IN:100 FT



PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: STH 128 NB	SHEET	E

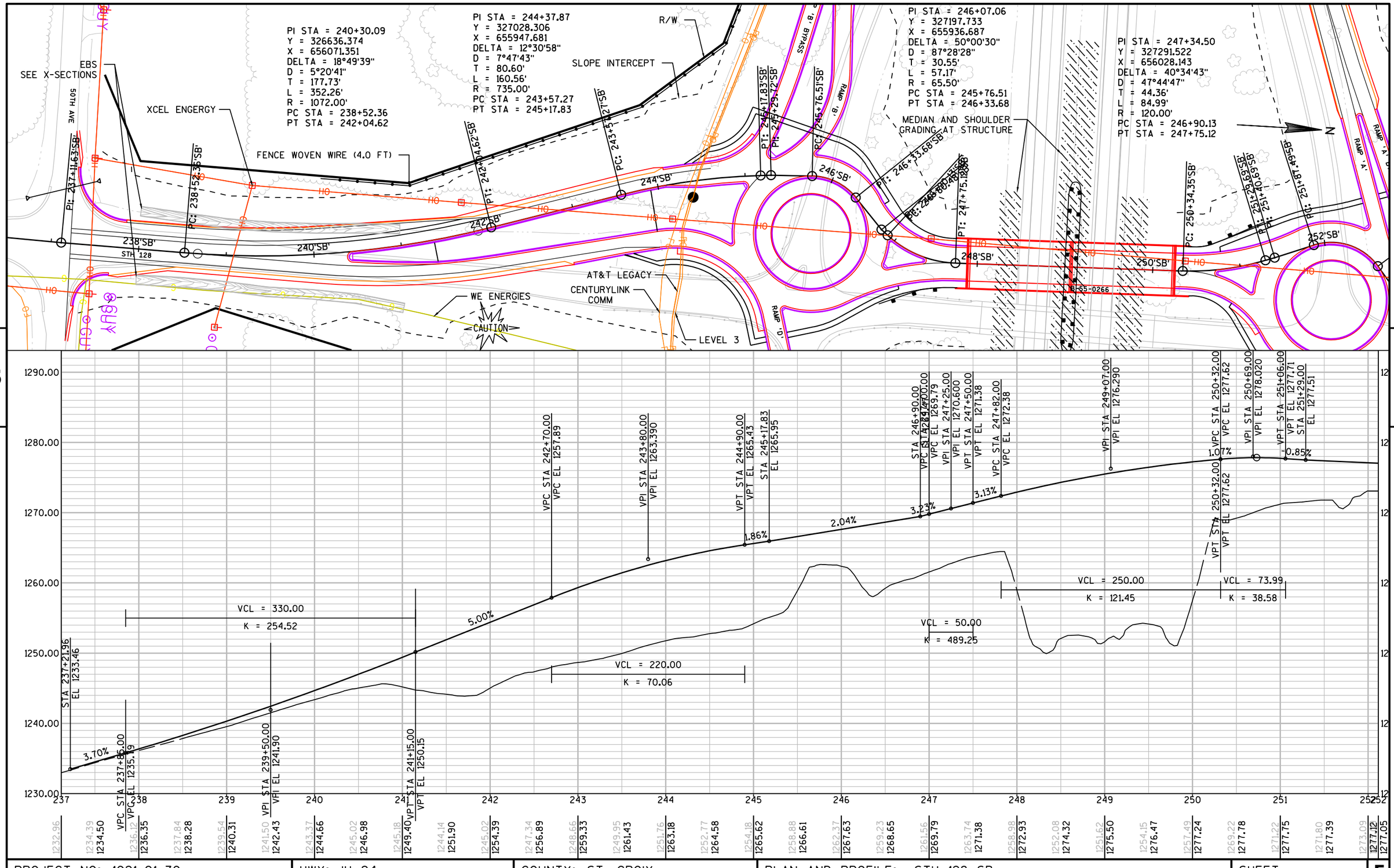
PI STA = 240+30.09
Y = 326636.374
X = 656071.351
DELTA = 18°49'39"
D = 5°20'41"
T = 177.73'
L = 352.26'
R = 1072.00'
PC STA = 238+52.36
PT STA = 242+04.62

PI STA = 244+37.87
Y = 327028.306
X = 655947.681
DELTA = 12°30'58"
D = 7°47'43"
T = 80.60'
L = 160.56'
R = 735.00'
PC STA = 243+57.27
PT STA = 245+17.83

PI STA = 246+07.06
Y = 327197.733
X = 655936.687
DELTA = 50°00'30"
D = 87°28'28"
T = 30.55'
L = 57.17'
R = 65.50'
PC STA = 245+76.51
PT STA = 246+33.68

PI STA = 247+34.50
Y = 327291.522
X = 656028.143
DELTA = 40°34'43"
D = 47°44'47"
T = 44.36'
L = 84.99'
R = 120.00'
PC STA = 246+90.13
PT STA = 247+75.12

EBS
SEE X-SECTIONS
XCEL ENGERGY
FENCE WOVEN WIRE (4.0 FT)
R/W
SLOPE INTERCEPT
MEDIAN AND SHOULDER GRADING AT STRUCTURE
AT&T LEGACY
CENTURYLINK COMM
WE ENERGIES
CAUTION
LEVEL 3
50TH AVE
STH 128
RAMP 'A'
RAMP 'B'
RAMP 'D'
B-55-0266



PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: STH 128 SB	SHEET	E

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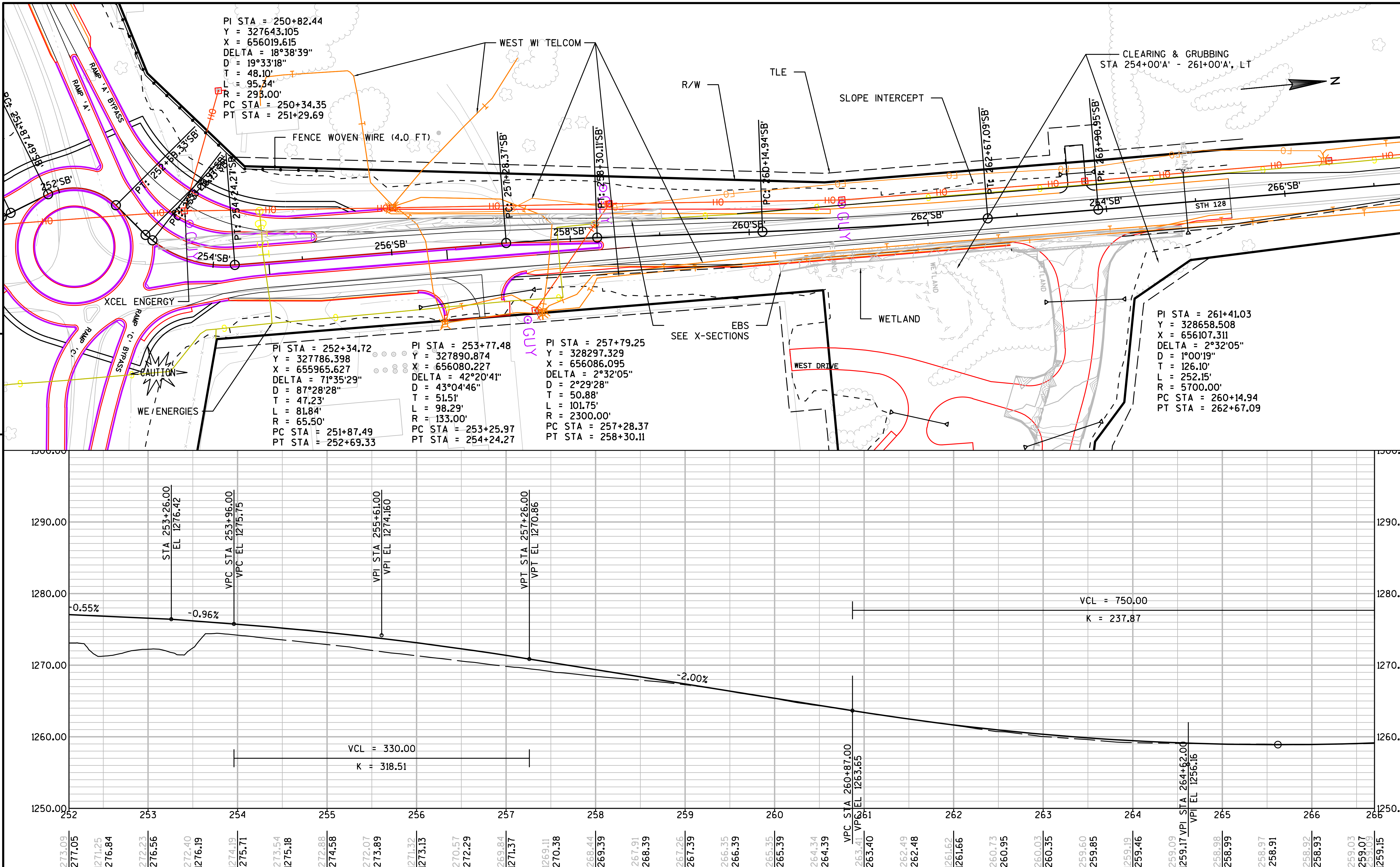
PLOT DATE : 10/6/2015 12:07 PM
PLOT BY : THAO, KOU
PLOT NAME :
PLOT SCALE : 1 IN:100 FT



PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: STH 128 SB	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\050301_PLN_STH128_10210100.DWG
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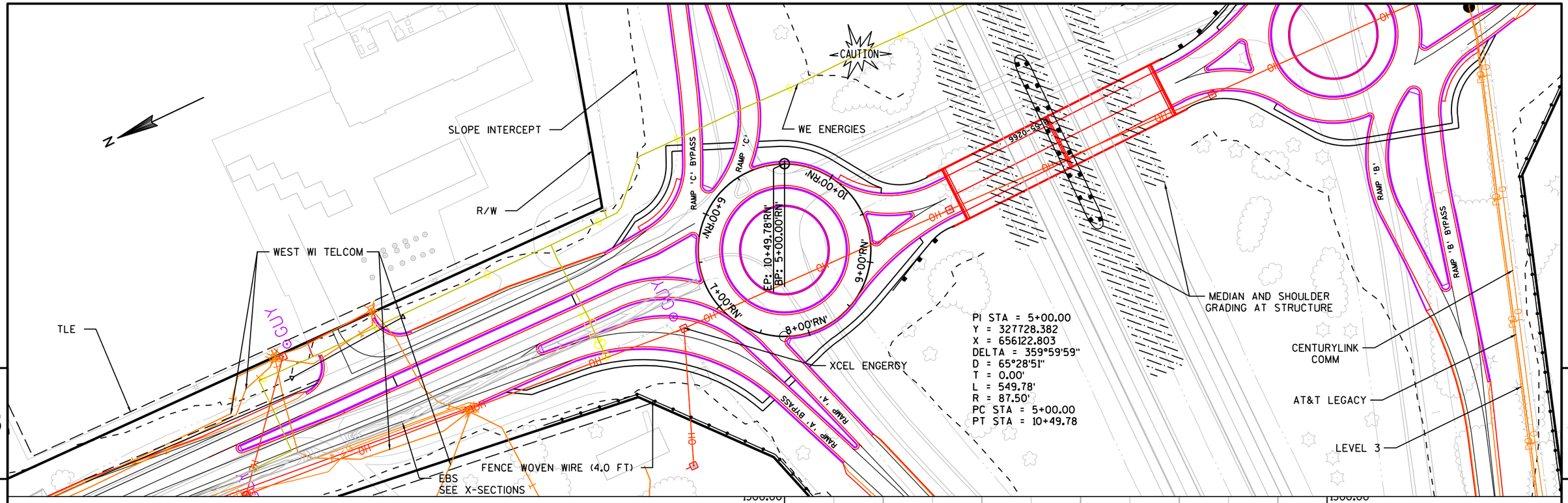
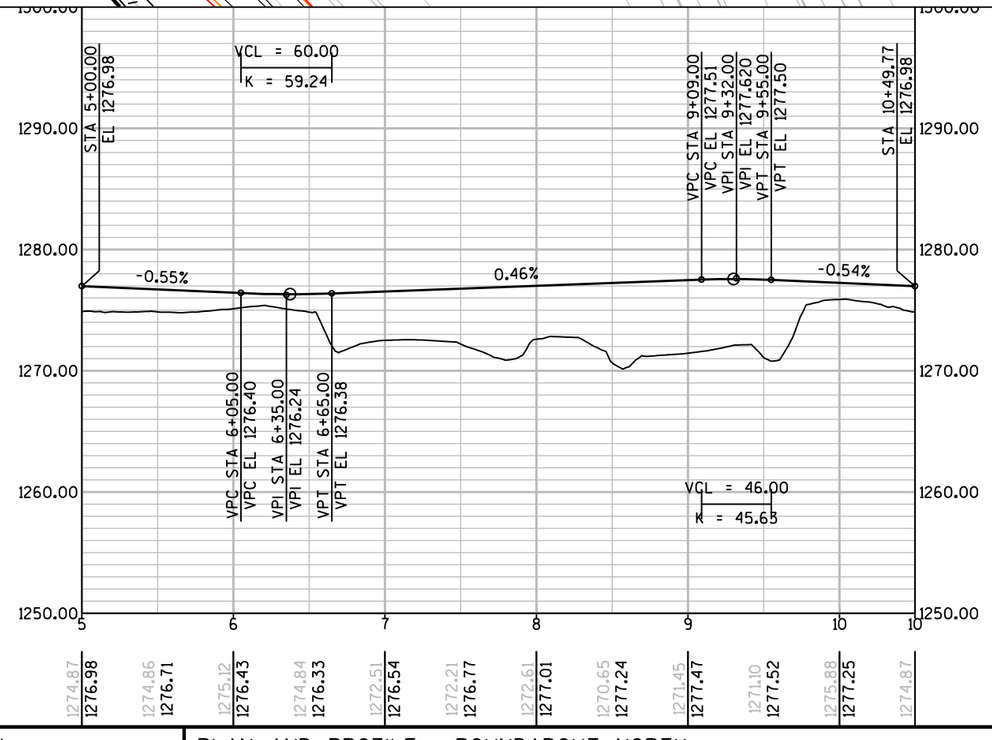
PLOT DATE : 10/6/2015 12:08 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: ROUNDABOUT NORTH	SHEET	E

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PLOT BY : THAO, KOU
PLOT NAME :
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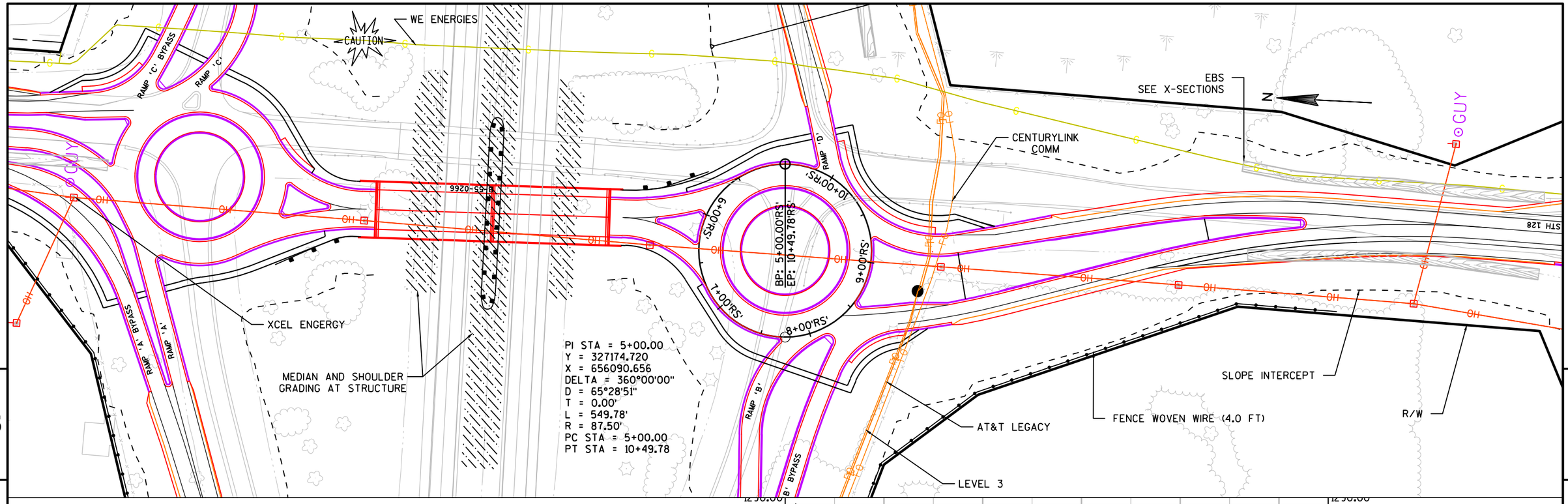
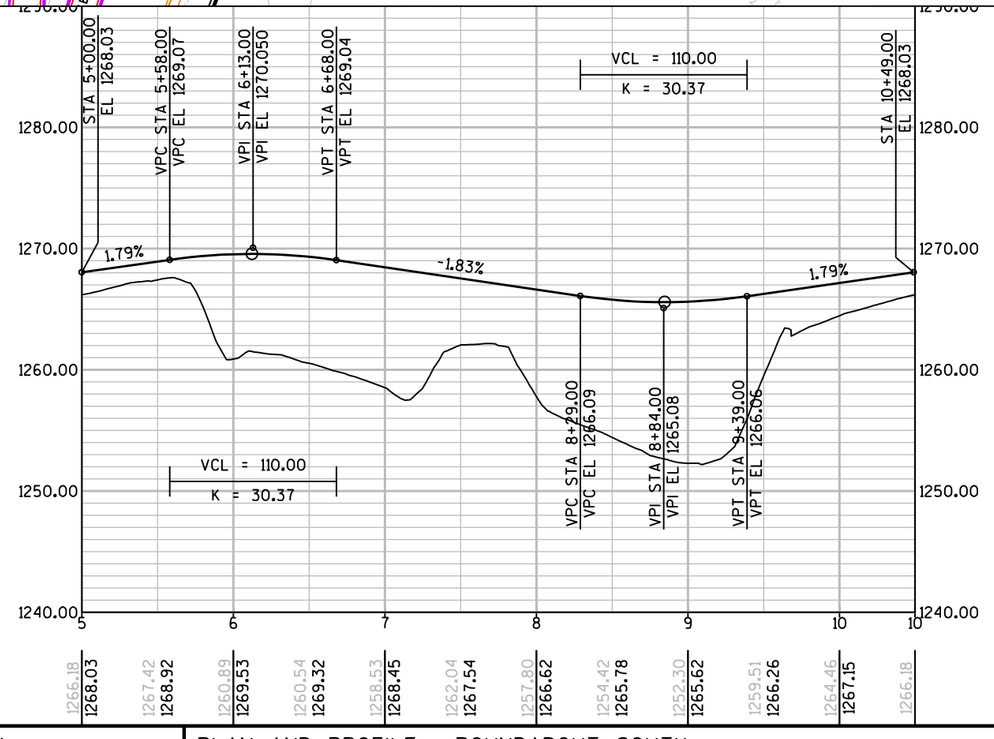
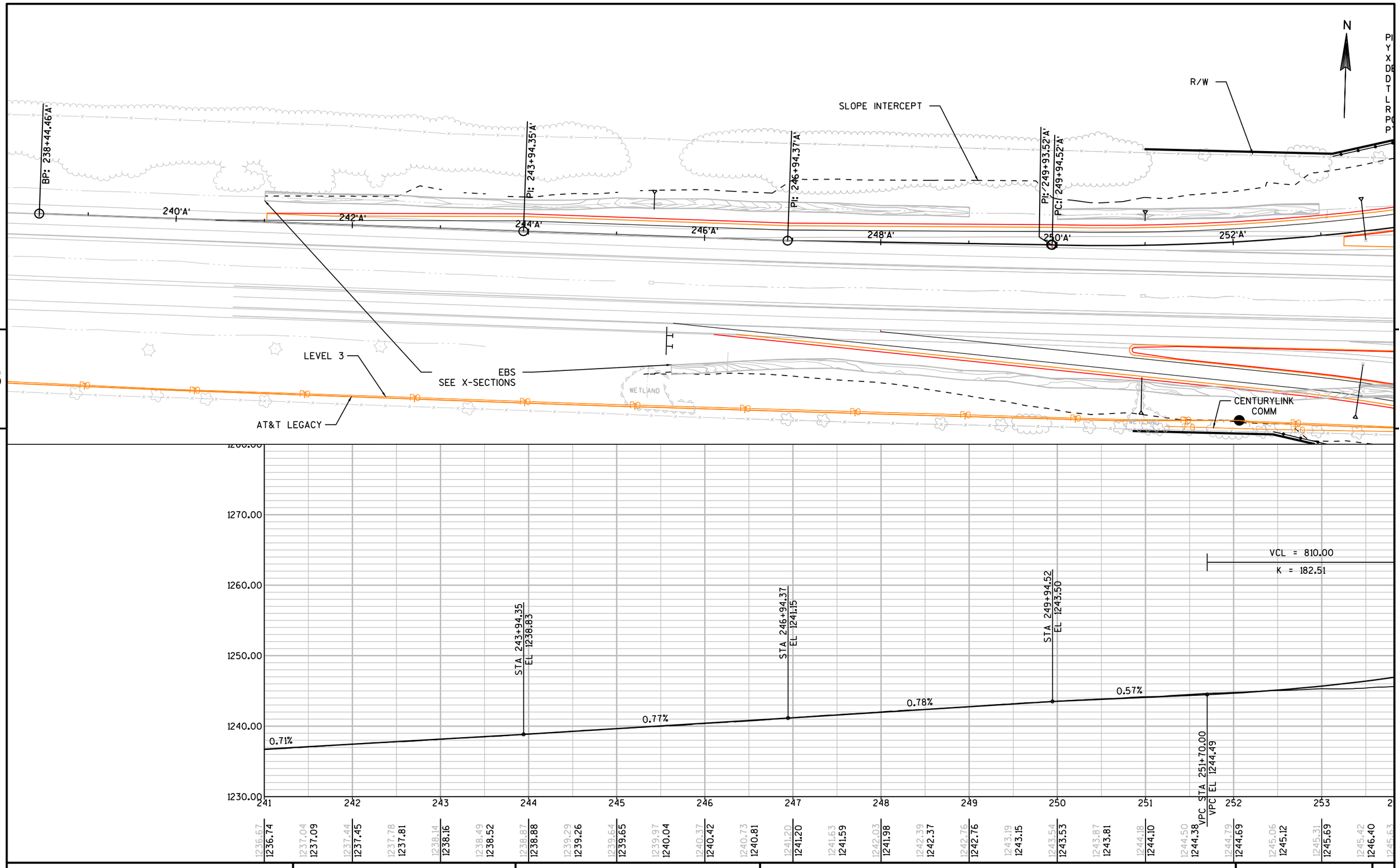




PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: ROUNDABOUT SOUTH	SHEET	E



PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: RAMP A (NW RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\050301_PLN_STH128_10210100.DWG
LAYOUT NAME - SHEET - (33)
PLOT DATE : 10/6/2015 11:35 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:100 FT

PI STA = 254+07.57
Y = 327517.034
X = 655072.989
DELTA = 17°57'07"
D = 2°11'28"
T = 413.05'
L = 819.33'
R = 2615.00'
PC STA = 249+94.52
PT STA = 258+13.85

EBS
SEE X-SECTIONS

CLEARING & GRUBBING
STA 254+00'A' - 261+00'A', LT

R/W

SLOPE INTERCEPT

XCEL ENGERGY

TLE

PT: 258+13.85'A'

EP: 263+42.46'A'

254'A'

256'A'

258'A'

260'A'

262'A'

RAMP 'A'

RAMP 'A' BYPASS

FENCE WOVEN WIRE (4.0 FT)

WE ENERGIES

RAMP 'C' BYPASS

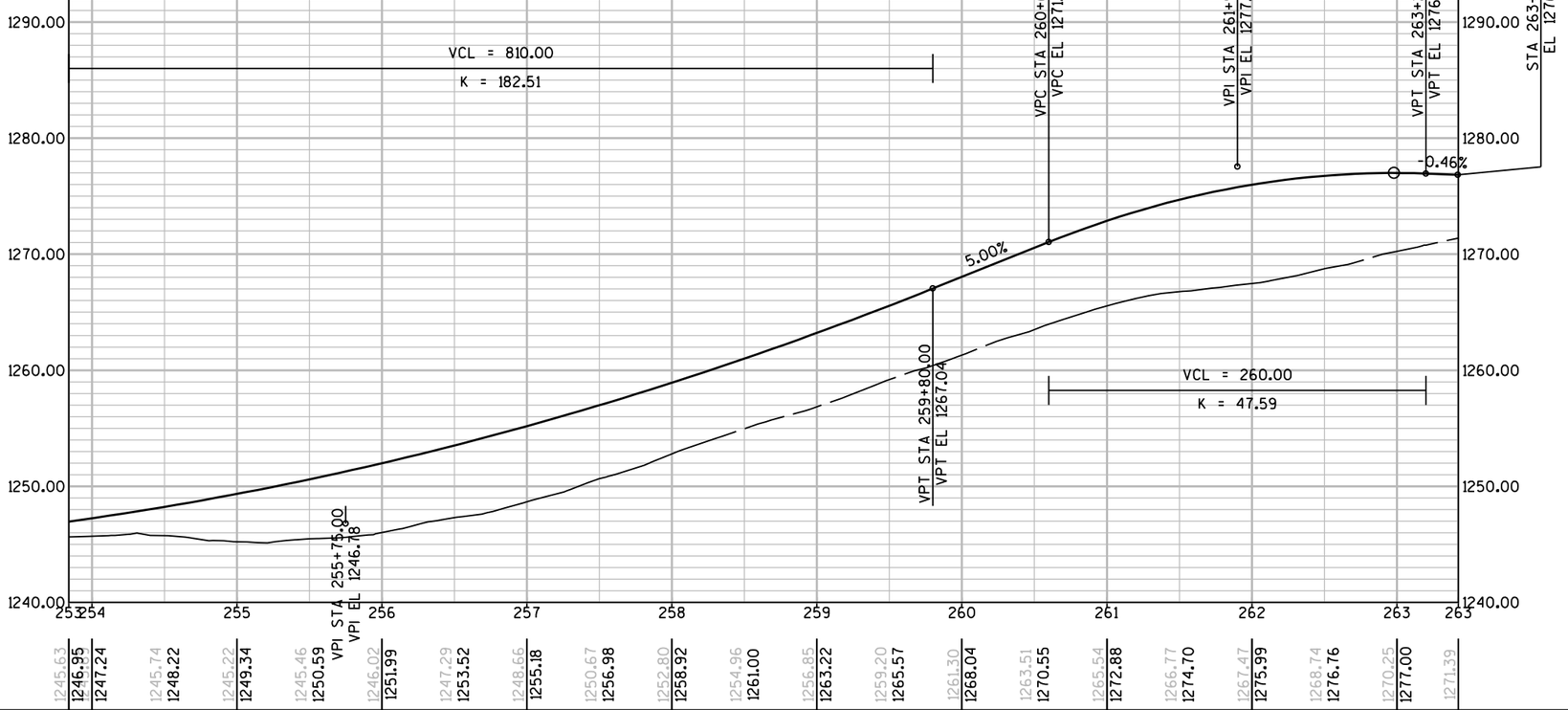
RAMP 'C'

CAUTION

N

5

5



PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: RAMP A (NW RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\050301_PLN_STH128_10210100.DWG
LAYOUT NAME - SHEET - (34)
PLOT DATE : 10/6/2015 11:35 AM
PLOT BY : THAO, KOU
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

PI STA = 257+10.31
Y = 327629.238
X = 655362.843
DELTA = 5°38'19"
D = 5°43'46"
T = 49.25'
L = 98.41'
R = 1000.00'
PC STA = 256+61.06
PT STA = 257+59.47

PI STA = 264+17.51
Y = 327882.484
X = 656023.167
DELTA = 62°40'39"
D = 28°38'52"
T = 121.79'
L = 218.79'
R = 200.00'
PC STA = 262+95.72
PT STA = 265+14.51

BP: 256+61.06
PT: 257+59.47'AB'
258'AB'
260'AB'
PI: 261+46.04'AB'
262'AB'
PC: 262+95.72'AB'
PT: 265+14.51'AB'
264'AB'
266'AB'
268'AB'
270'AB'
22.88'AB'

FENCE WOVEN WIRE (4.0 FT)
R/W
XCEL ENERGY
TLE
SLOPE INTERCEPT
EBS
SEE X-SECTIONS
CLEARING & GRUBBING
STA 254+00'A' - 261+00'A', LT
RAMP 'A' BYPASS
RAMP 'A'
WEST WI TELCOM
WE ENERGIES
CAUTION
GUY
WETLAND
WEST DRIVE
N

5

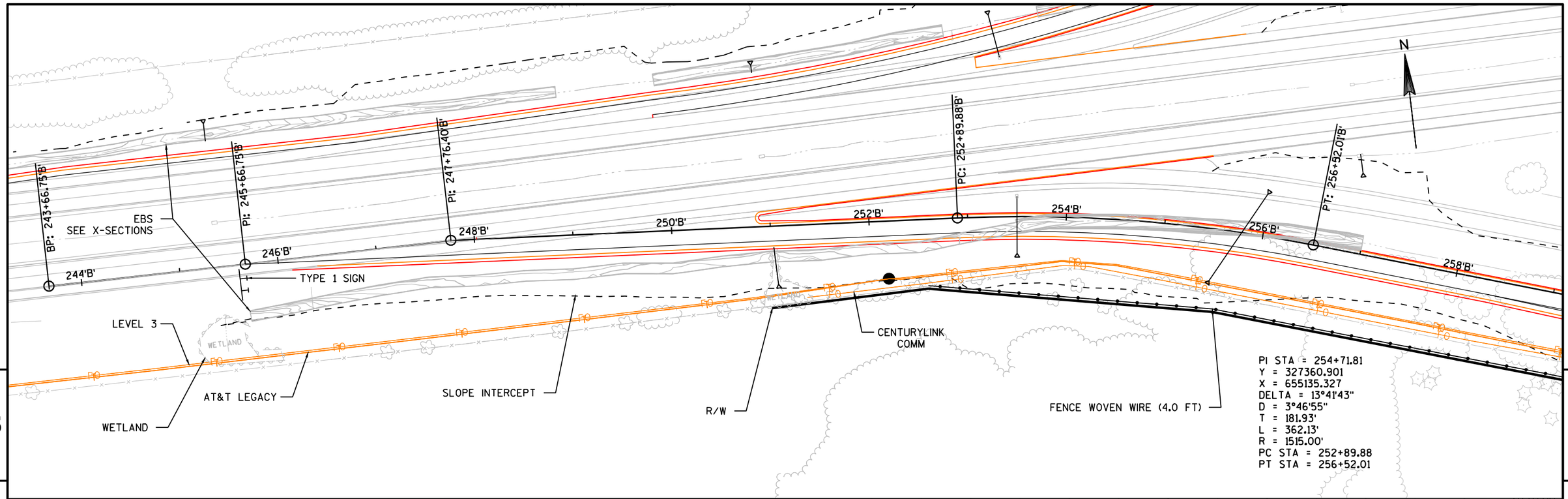
5

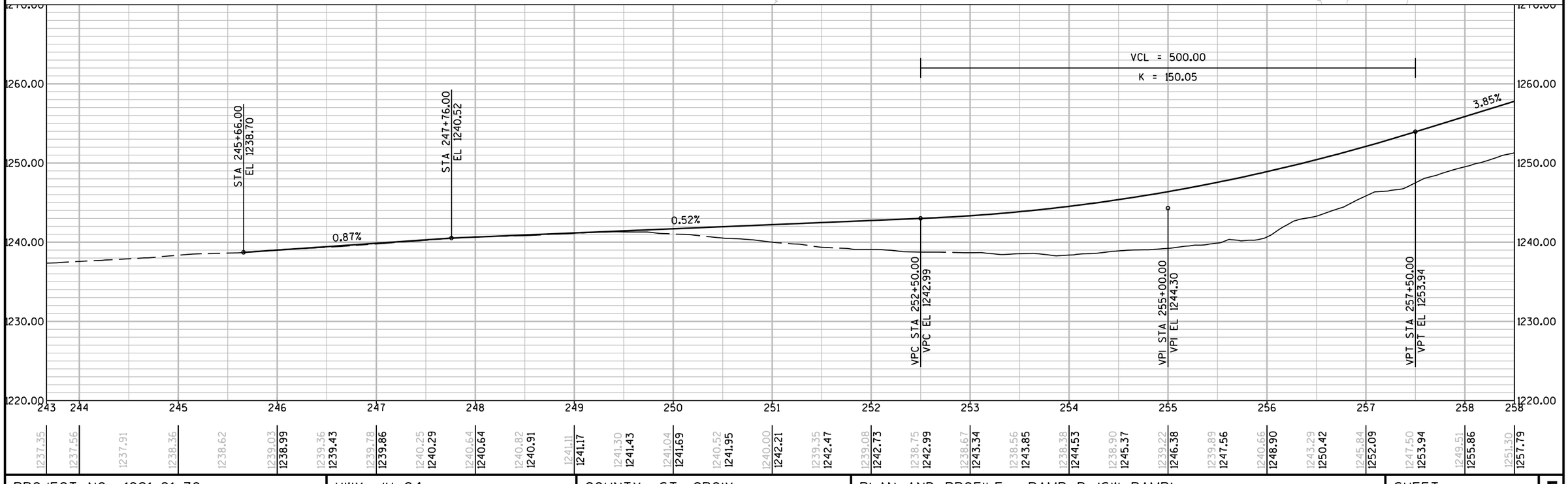
1300.00
1290.00
1280.00
1270.00
1260.00
1255.00
261
262
263
264
265
266
267

STA 262+04.00
EL 1275.32
VPC STA 262+33.00
VPC EL 1275.90
VPI STA 262+88.00
VPI EL 1277.000
VPT STA 263+43.00
VPT EL 1276.25
STA 265+48.00
EL 1273.44
2.00%
-1.37%
VCL = 110.00
K = 32.65

1269.48 1270.75 1271.61 1271.86 1276.20 1272.68 1276.55 1273.47 1276.15 1273.27 1275.47 1272.53 1274.78 1271.69 1274.10 1271.12 1270.08 1268.41 1266.39

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: RAMP A BYPASS (NW RAMP)	SHEET	E





PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: RAMP B (SW RAMP)	SHEET	E

PI STA = 262+34.44
Y = 327205.288
X = 655874.788
DELTA = 48°22'30"
D = 43°04'46"
T = 59.74'
L = 112.29'
R = 133.00'
PC STA = 261+74.70
PT STA = 262+86.99

PT: 256+52.01'B'
PC: 259+27.77'B'
PT: 260+69.32'B'
PI: 261+74.70'B'
PT: 262+86.99'B'
EPT: 262+99.03'B'

254'B'
256'B'
258'B'
260'B'
262'B'

RAMP 'B'
RAMP 'B' BYPASS
RAMP 'D'

N
WE ENERGIES
LEVEL 3
AT&T LEGACY
CENTURYLINK COMM
CAUTION
R/W
XCEL ENGERGY

EBS
SEE X-SECTIONS

FENCE WOVEN WIRE (4.0 FT)

PI STA = 254+71.81
Y = 327360.901
X = 655135.327
DELTA = 13°41'43"
D = 3°46'55"
T = 181.93'
L = 362.13'
R = 1515.00'
PC STA = 252+89.88
PT STA = 256+52.01

SLOPE INTERCEPT

CLEARING & GRUBBING
STA 255+00'B' - 262+00'B', RT

PI STA = 259+99.29
Y = 327196.364
X = 655638.313
DELTA = 20°16'31"
D = 14°19'26"
T = 71.52'
L = 141.55'
R = 400.00'
PC STA = 259+27.77
PT STA = 260+69.32

5

5

= 500.00
150.05

3.85%

VPI STA 255+00.00
VPI EL 1244.30

VPT STA 257+50.00
VPT EL 1253.94

MATCH POINT

VPC STA 259+00.00
VPC EL 1259.72

VPI STA 260+50.00
VPI EL 1265.500

VPT STA 262+00.00
VPT EL 1266.47

STA 262+87.00
EL 1267.04

0.65%

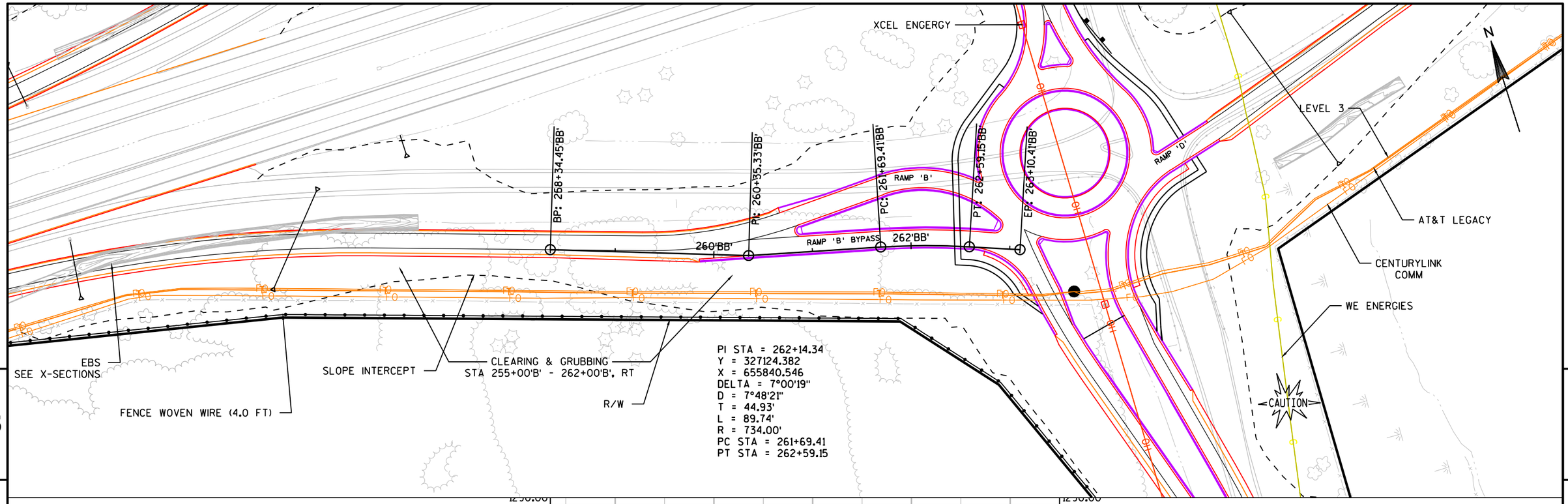
VCL = 300.00
K = 93.61

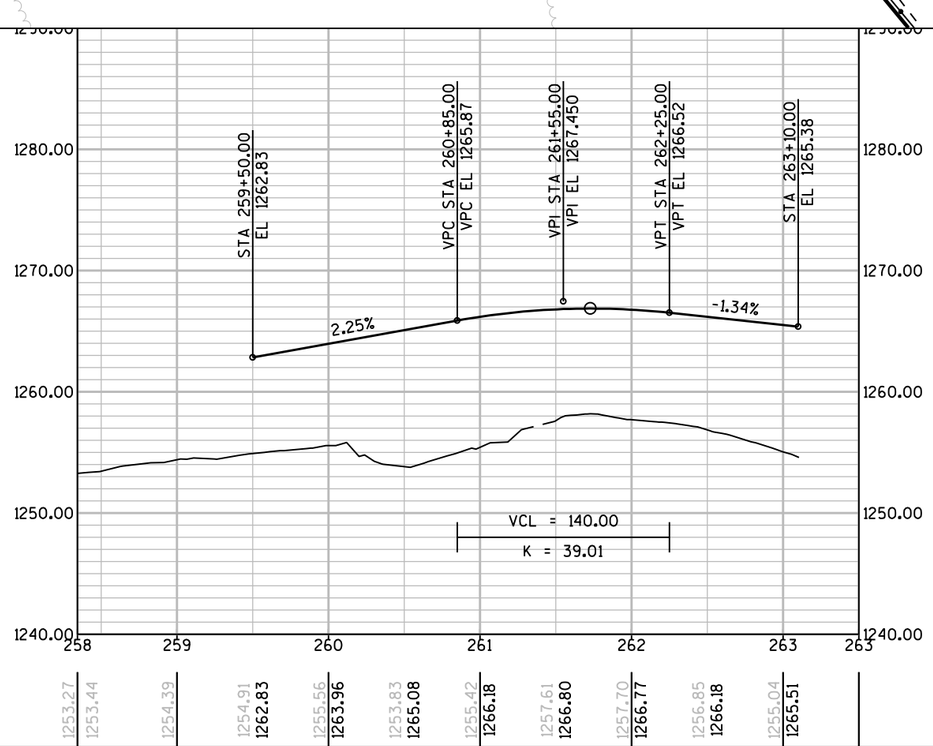
1260.00
1250.00
1240.00
1230.00
1220.00
1280.00
1270.00

255 256 257 258 258 258 259 260 261 262 262

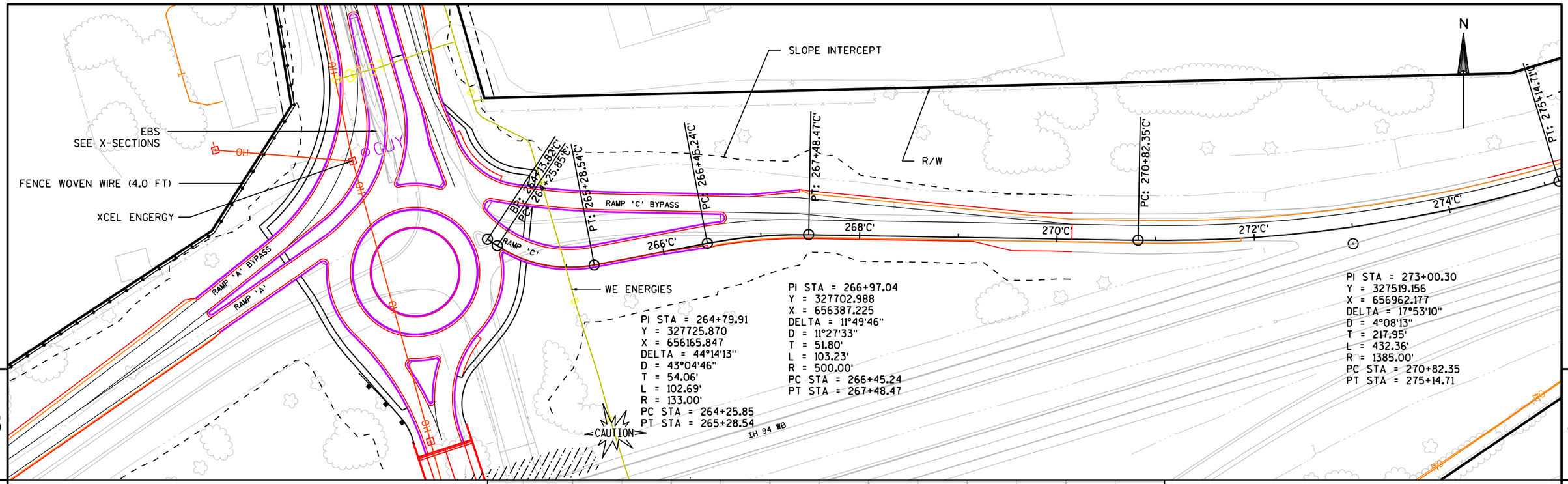
1239.22 1246.38
1239.89 1247.56
1240.66 1248.90
1243.29 1250.42
1245.84 1252.09
1247.50 1253.94
1249.51 1255.86
1251.30 1257.79
1251.30 1257.79
1253.22 1259.72
1254.88 1261.51
1253.61 1263.04
1253.26 1264.30
1257.32 1265.29
1259.38 1266.02
1260.18 1266.47
1261.49 1266.80
1261.13

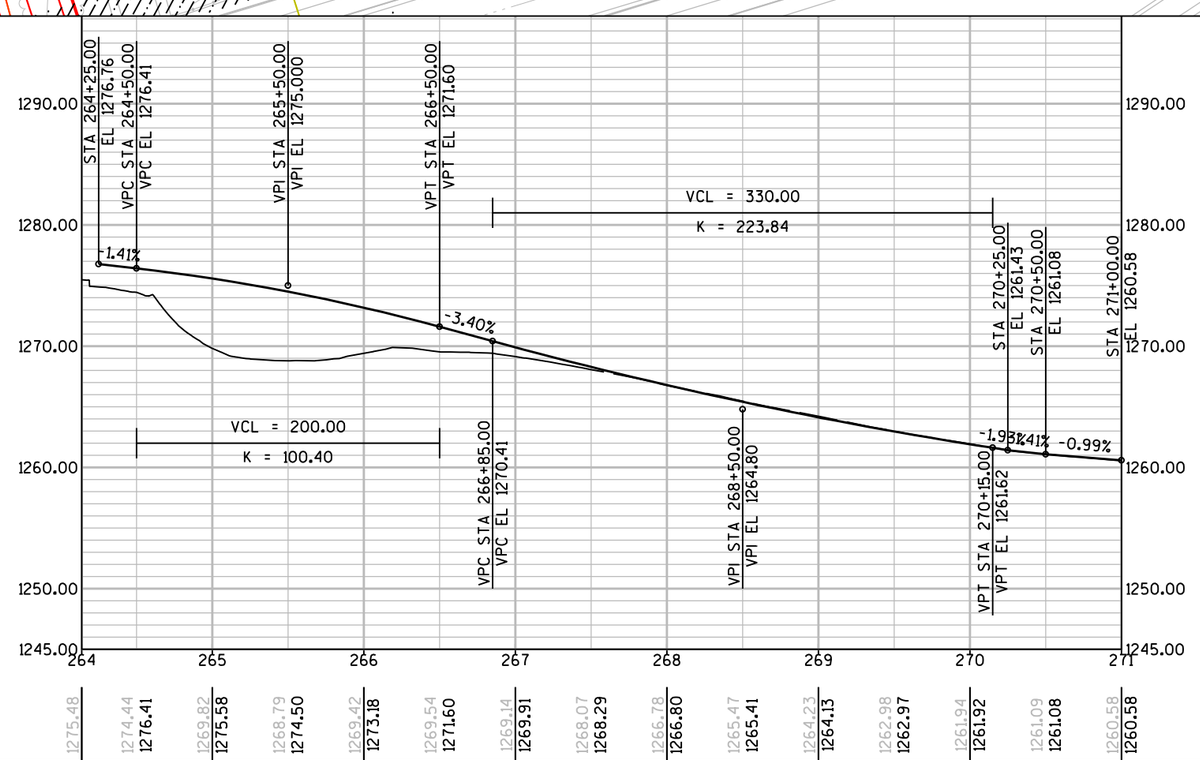
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: RAMP B (SW RAMP)	SHEET	E





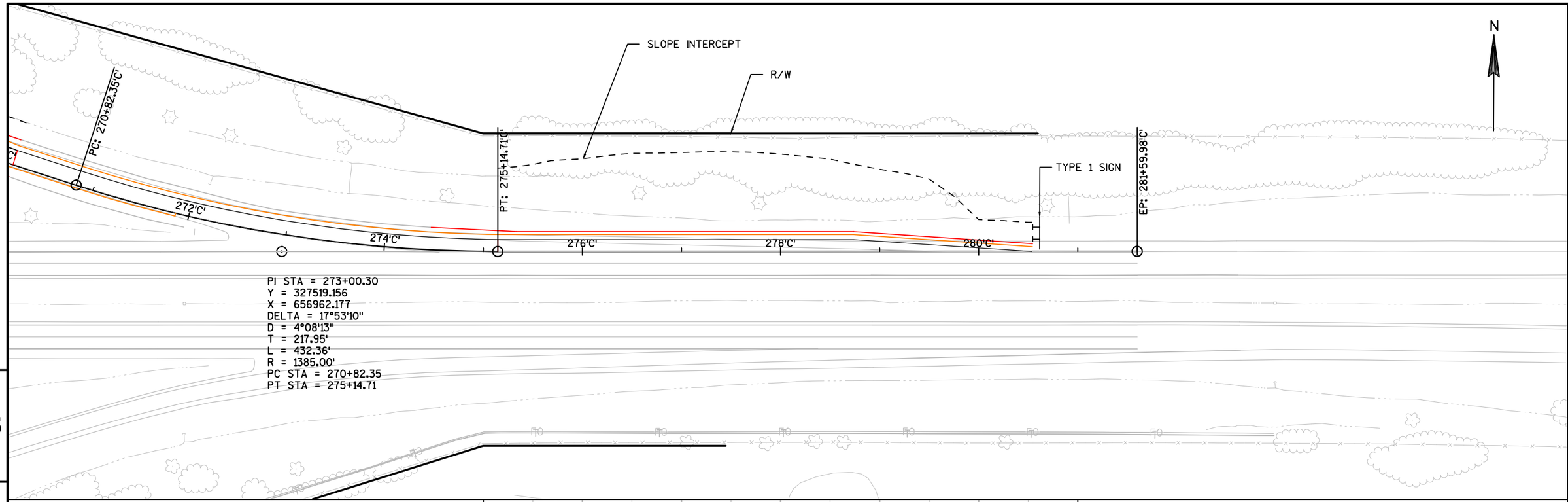
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: RAMP B BYPASS (SW RAMP)	SHEET	E

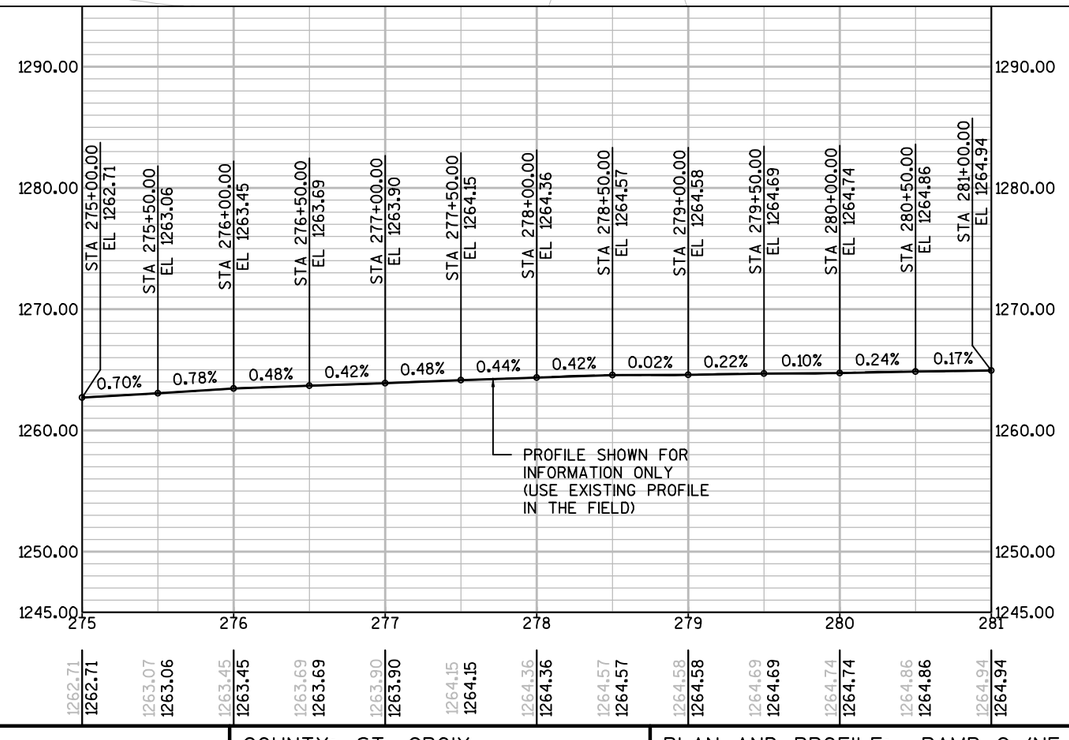




PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: RAMP C (NE RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\050301_PLN_STH128_10210100.DWG
LAYOUT NAME - SHEET - (35)
PLOT DATE : 10/6/2015 1:05 PM
PLOT BY : THAO, KOU
PLOT NAME :
PLOT SCALE : 1 IN:100 FT





PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: RAMP C (NE RAMP)	SHEET	E

PI STA = 264+94.83
Y = 327800.193
X = 656207.344
DELTA = 7°19'00"
D = 7°48'21"
T = 46.93'
L = 93.73'
R = 734.00'
PC STA = 264+47.90
PT STA = 265+41.63

WEST WI TELCOM
EBS
SEE X-SECTIONS
FENCE WOVEN WIRE (4.0 FT)
XCEL ENGERGY
R/W
SLOPE INTERCEPT
BP: 263+86.91CB'
PC: 264+47.90'CB'
PI: 265+41.63'CB'
PI: 267+36.49'CB'
EP: 270+15.00'CB'
264'CB'
266'CB'
268'CB'
270'CB'
RAMP 'C' BYPASS
RAMP 'C'
RAMP 'A' BYPASS
RAMP 'A'
WE ENERGIES
CAUTION
IH 94 WB
N

STA 263+97.00
EL 1276.02
VPC STA 264+50.00
VPC EL 1276.31
VPI STA 265+50.00
VPI EL 1276.860
VPT STA 266+50.00
VPT EL 1272.44
STA 266+63.00
EL 1271.86
0.55%
-4.42%
VCL = 200.00
K = 40.21

1290.00
1280.00
1270.00
1260.00
1250.00
263
264
265
266
267
268
269
270

1274.88 1276.04
1268.59 1276.31
1267.63 1276.27
1268.89 1275.62
1269.41 1274.34
1268.79 1272.44
1267.63
1266.24
1265.80
1265.02
1263.87
1262.70
1261.84 1261.61

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: RAMP C BYPASS (NE RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\050301_PLN_STH128_10210100.DWG
LAYOUT NAME - SHEET - (13)
PLOT DATE : 10/6/2015 1:08 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:100 FT

XCEL ENGERGY

RAMP 'B' BYPASS

RAMP 'B'

IH 94 EB

CAUTION

PI STA = 264+79.87
Y = 327158.927
X = 656163.392
DELTA = 3°09'02"
D = 5°43'46"
T = 27.50'
L = 54.99'
R = 1000.00'
PC STA = 264+52.37
PT STA = 265+07.36

BP: 263+98.41'D'

PC: 264+52.37'D'

PT: 265+07.36'D'

EP: 270+57.31'D'

WE ENERGIES

264'D'

RAMP 'D'

266'D'

268'D'

270'D'

EBS
SEE X-SECTIONS

LEVEL 3

SLOPE INTERCEPT

AT&T LEGACY

CENTURYLINK
COMM

R/W

FENCE WOVEN WIRE (4.0 FT)

N

5

5

VPC STA 264+30.00
VPC EL 1267.54

VPI STA 265+00.00
VPI EL 1267.900

VPT STA 265+70.00
VPT EL 1265.28

VCL = 250.00
K = 85.76

STA 268+41.00
EL 1259.22

0.52%

-3.75%

-0.83%

VCL = 140.00
K = 32.79

VPC STA 265+75.00
VPC EL 1265.09

VPI STA 267+00.00
VPI EL 1260.40

VPT STA 268+25.00
VPT EL 1259.36

1280.00
1270.00
1260.00
1250.00
1240.00

264 265 266 267 268 269 270 270

1263.98 1267.58
1263.61 1267.15
1262.67 1265.96
1261.95 1264.19
1261.36 1262.60
1260.82 1261.31
1260.24 1260.31
1259.64 1259.60
1259.13
1258.58
1258.20
1257.83
1257.62 1257.62

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: RAMP D (SE RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\050301_PLN_STH128_10210100.DWG
LAYOUT NAME - SHEET - (39)
PLOT DATE : 10/6/2015 1:10 PM
PLOT BY : THAO, KOU
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

PI STA = 2+51.02
Y = 328879.018
X = 656261.535
DELTA = 20°47'07"
D = 15°54'56"
T = 66.02'
L = 130.60'
R = 360.00'
PC STA = 1+85.00
PT STA = 3+15.60

PI STA = 4+77.97
Y = 328794.892
X = 656473.877
DELTA = 17°34'53"
D = 5°27'24"
T = 162.37'
L = 322.20'
R = 1050.00'
PC STA = 3+15.60
PT STA = 6+37.79

WEST WI TELCOM
TLE
R/W
SLOPE INTERCEPT
N
BP: 1+00.00'SR'
PC: 1+85.00'SR'
PRC: 3+15.60'SR'
PT: 6+37.79'SR'
EP: 8+16.53'SR'
2+00'SR'
3+00'SR'
4+00'SR'
5+00'SR'
6+00'SR'
7+00'SR'
8+00'SR'
SERVICE ROAD
WETLAND
XCEL ENERGY
WE ENERGIES
WETLAND
EBS
SEE X-SECTIONS
CAUTION
OHP
OHP
5
5

1270.00
1260.00
1250.00

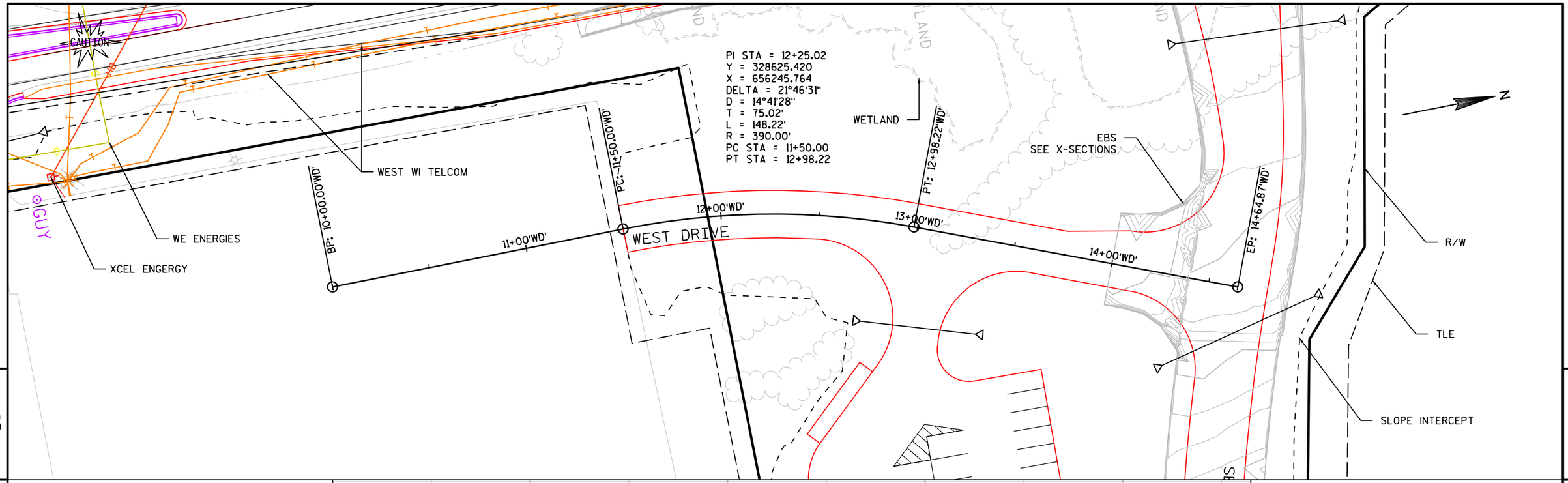
STA 1+00.00
EL 1259.74
VCL = 51.00
K = 18.89
STA 1+24.00
EL 1259.26
VPC STA 3+50.00
VPC EL 1262.46
VPI STA 4+50.00
VPI EL 1264.179
VPT STA 5+50.00
VPT EL 1264.70
STA 7+30.00
EL 1265.63
2.00%
-0.98%
1.72%
0.52%
-25.00%
STA 7+36.85
EL 1263.92
VCL = 200.00
K = 166.67
VPC STA 1+24.00
VPC EL 1259.26
VPI STA 1+49.50
VPI EL 1259.01
VPT STA 1+75.00
VPT EL 1259.45

1 2 3 4 5 6 7 8

1259.45 1259.74
1256.37 1259.18
1256.64 1259.88
1257.27 1260.74
1258.01 1261.60
1258.69 1262.46
1259.87 1263.24
1260.93 1263.88
1261.92 1264.36
1262.65 1264.70
1263.48 1264.96
1263.98 1265.22
1264.09 1265.48
1263.82
1262.82
1262.33

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: SERVICE ROAD	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\050301_PLN_STH128_10210100.DWG
LAYOUT NAME - SHEET - (3)
PLOT DATE : 10/5/2015 4:56 PM
PLOT BY : THAO, KOU
PLOT NAME :
PLOT SCALE : 1 IN:50 FT



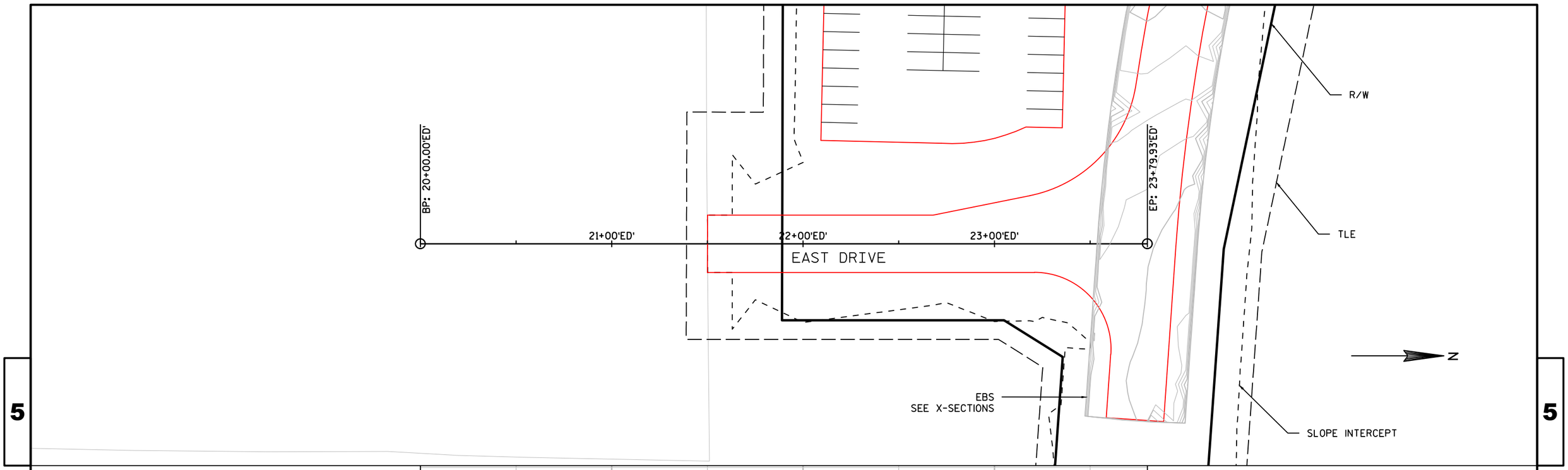
5

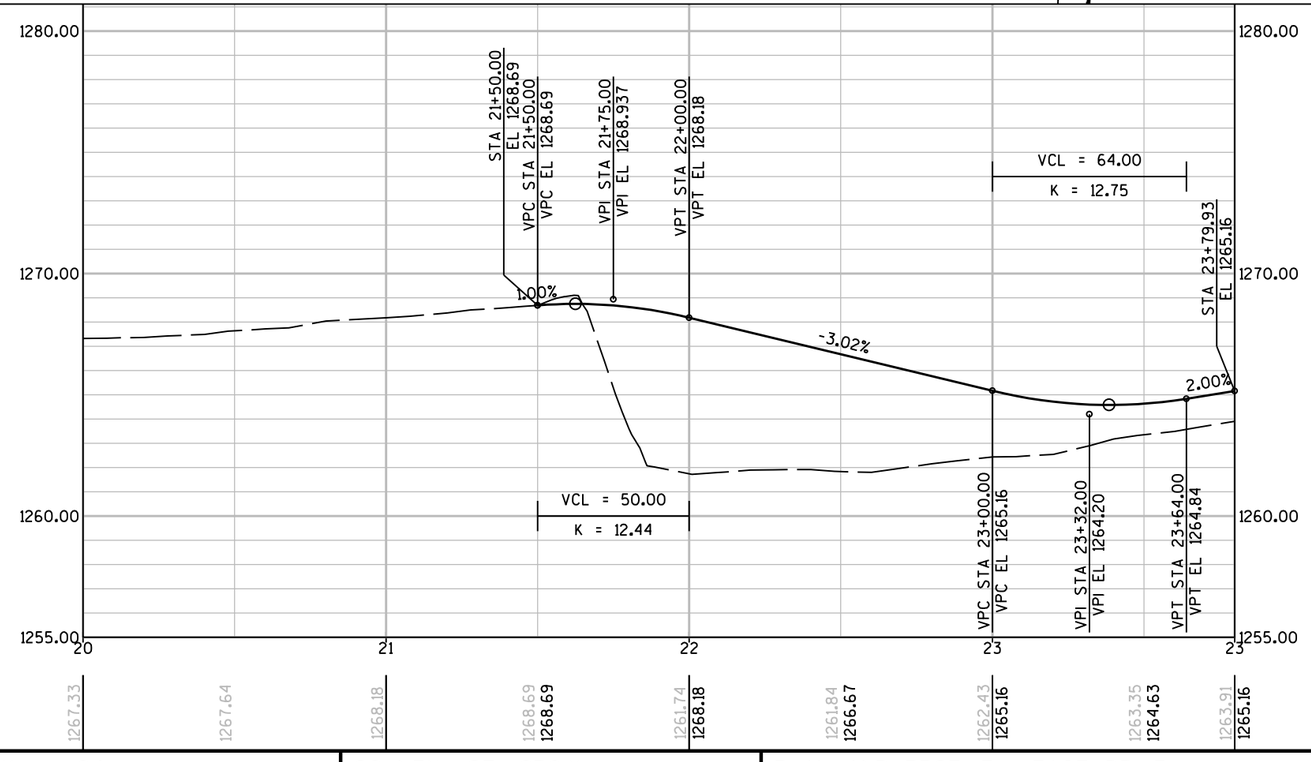
5

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: WEST DRIVE	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\050301_PLN_STH128_10210100.DWG
LAYOUT NAME - SHEET - (4)

PLOT DATE : 10/5/2015 4:58 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:50 FT





PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: EAST DRIVE	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\050301_PLN_STH128_10210100.DWG
LAYOUT NAME - SHEET - (5)
PLOT DATE : 10/5/2015 4:59 PM
PLOT BY : THAO, KOU
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

WEST WI TELCOM

WETLAND

WETLAND

CAUTION

WE ENERGIES

XCEL ENGERGY

WETLAND

DRIVE

BP: 10+00.00'PR'

PI: 10+65.00'PR'

EP: 13+13.39'PR'

11+00'PR'

12+00'PR'

13+00'PR'

PARK & RIDE

SLOPE INTERCEPT

EAST DRIVE

EBS
SEE X-SECTIONS

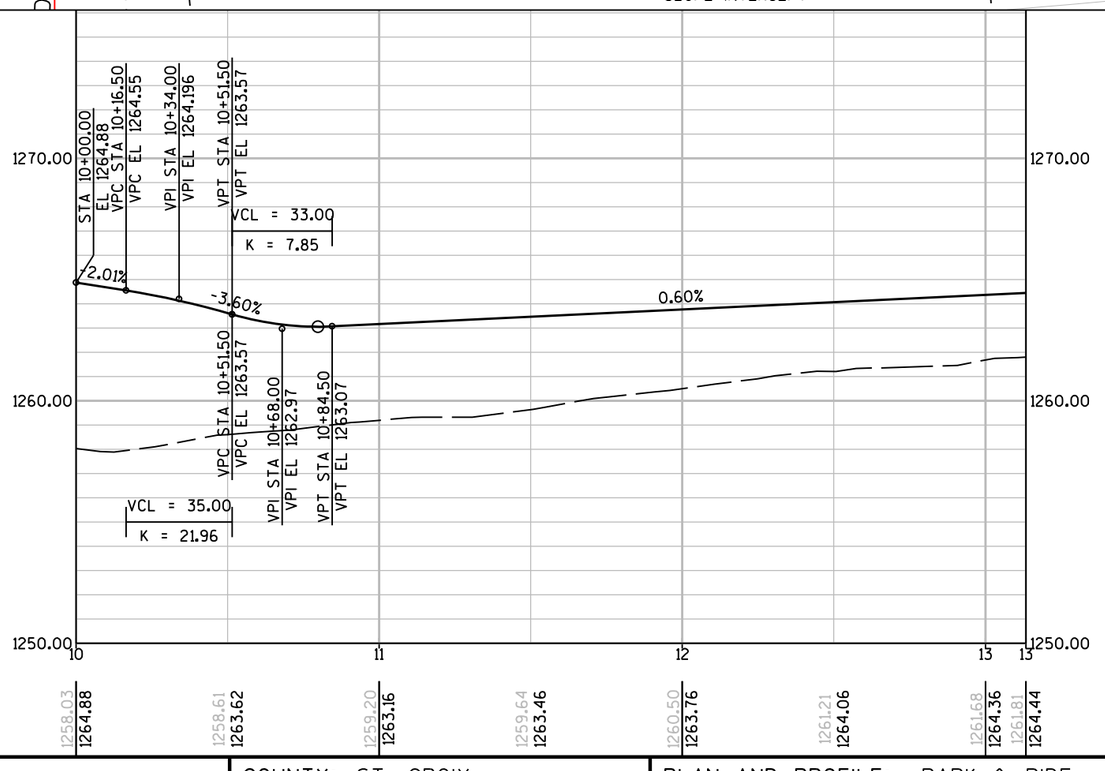
N

R/W

TLE

5

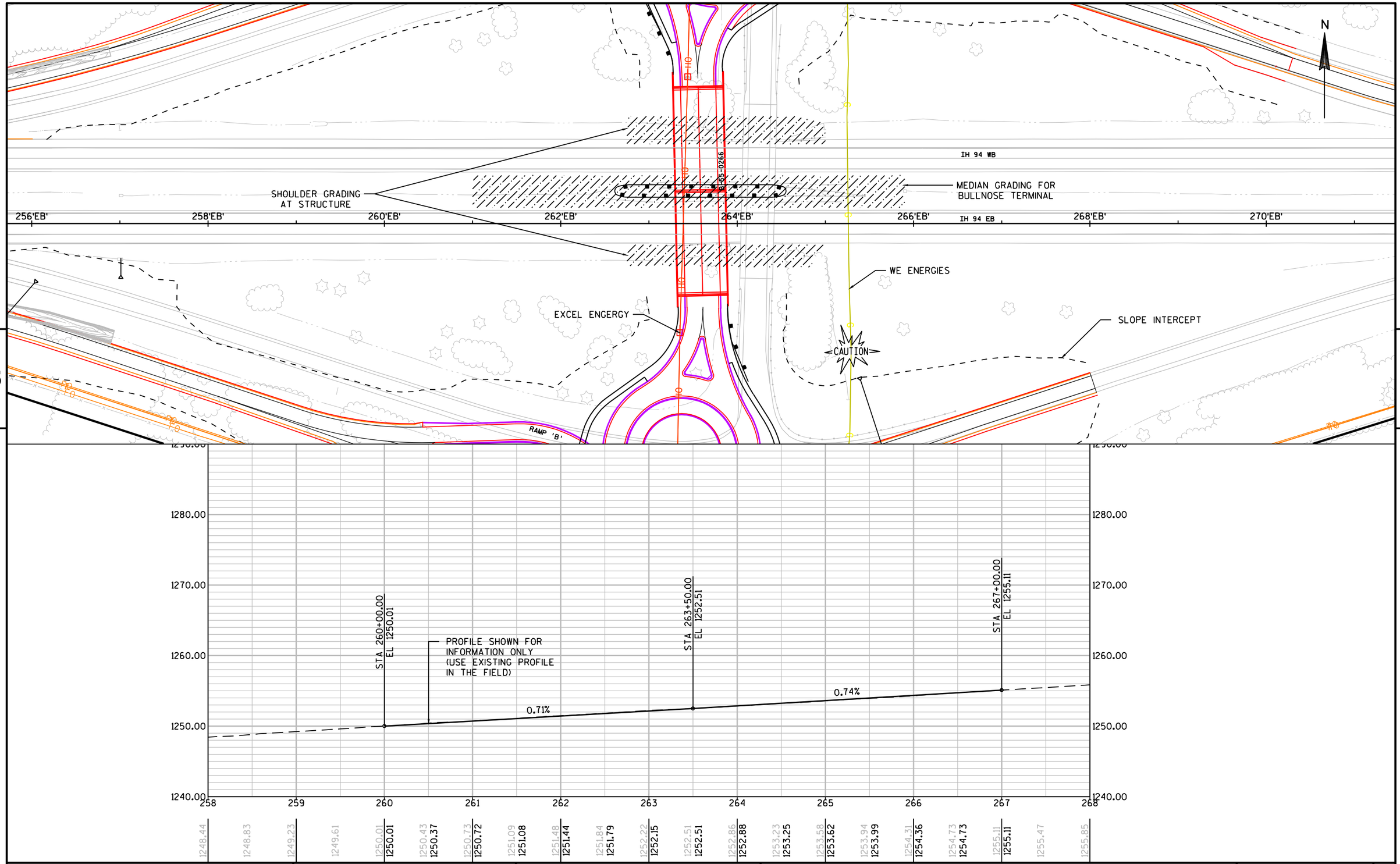
5



PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: PARK & RIDE	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\050301_PLN_STH128_10210100.DWG
LAYOUT NAME - SHEET - (6)

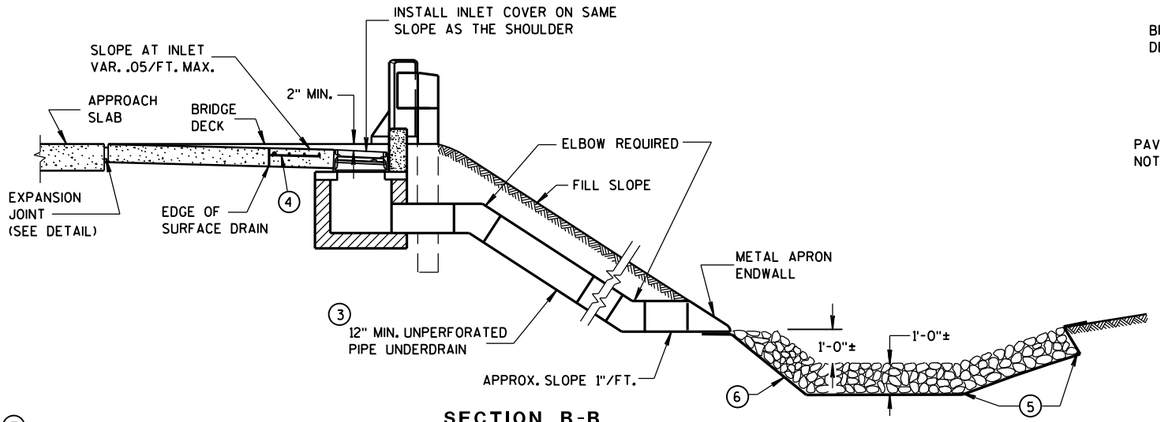
PLOT DATE : 10/5/2015 5:02 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:50 FT



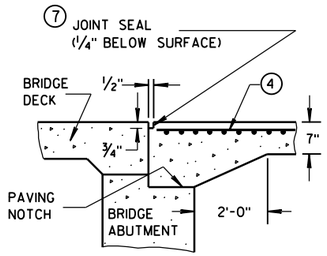
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	PLAN AND PROFILE: IH 9H EB	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\050301_PLN_STH128_10210100.DWG
LAYOUT NAME - SHEET - (40)
PLOT DATE : 10/2/2015 12:22 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:100 FT

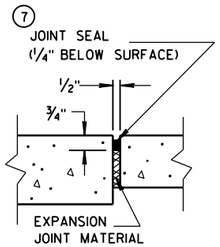
8D3: Concrete Surface Drains Drop Inlet Type at Structures



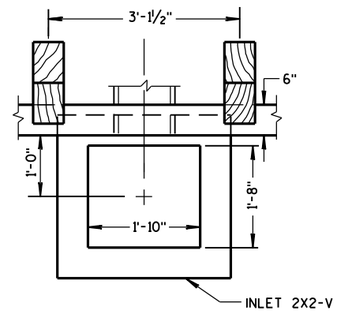
SECTION B-B



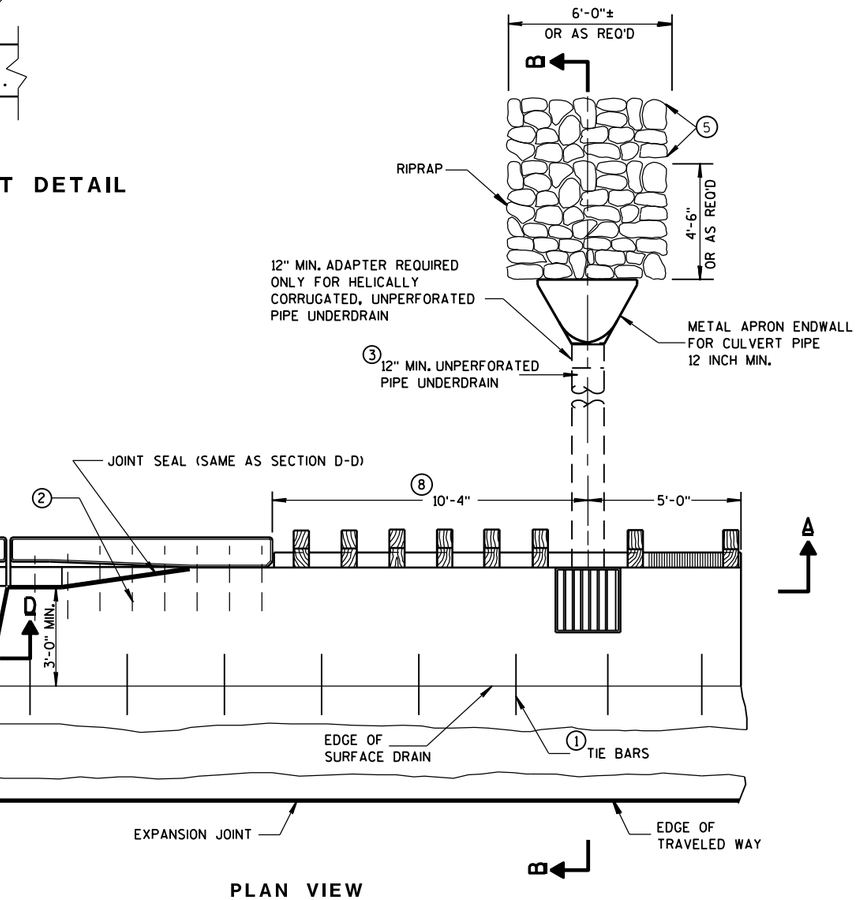
SECTION D-D



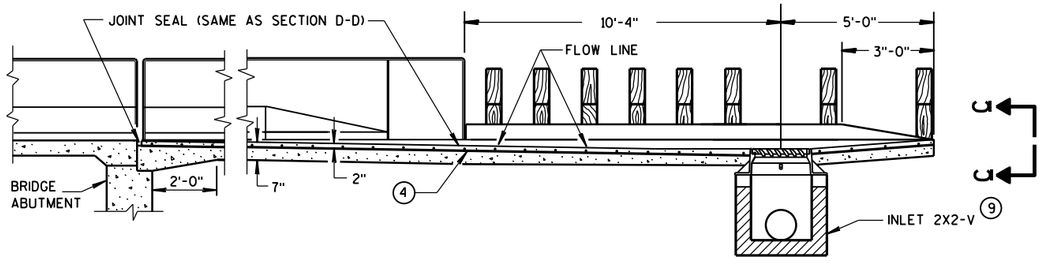
EXPANSION JOINT DETAIL



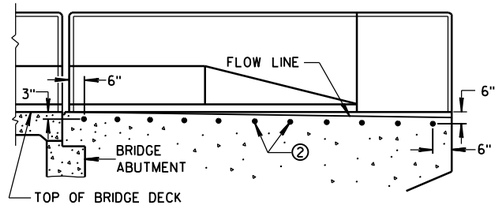
PLAN VIEW



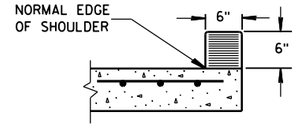
PLAN VIEW



SECTION A-A



LOCATION OF TIE BARS IN WINGWALL



SECTION C-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.

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

(1) NO. 4 X 2'-0" TIE BARS SPACED AT 3'-0" CENTERS TO BE USED ONLY WHEN ADJACENT TO P.C. CONCRETE.

(2) NO. 4 X 2'-0" TIE BARS SPACED AT 12" CENTERS TO BE PLACED BY BRIDGE CONTRACTOR, OR DRILLED TIE BARS PLACED AS DIRECTED BY THE ENGINEER.

(3) THE PIPE UNDERDRAIN MAY BE ANY ONE OF THE SIX MATERIALS LISTED IN THE STANDARD SPECIFICATIONS SECTION 612.2 EXCEPT DRAIN TILE.

(4) MINIMUM REINFORCEMENT SHALL BE 6" X 6" - W4.0 X W4.0 OR NO. 3 BARS LONGITUDINAL AND TRANSVERSE SPACING 12" C-C.

(5) LIMITS OF ADDITIONAL RIPRAP WHEN SPECIAL DITCH IS REQUIRED.

(6) GEOTEXTILE FABRIC, TYPE 'R'

(7) HOT POURED SEALANT UNLESS OTHERWISE SPECIFIED.

(8) THIS DIMENSION MAY VARY DEPENDING ON THE SPACING OF POSTS FOR THE STEEL PLATE BEAM GUARD. THE TYPICAL LOCATION FOR THE SURFACE DRAIN IS WHERE THE POST SPACING WIDENS TO 3'-1½".

(9) SEE CURRENT STANDARD DETAIL DRAWINGS 8A5 AND 8C7 FOR DETAILS.

CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/4/08
DATE
FHWA

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

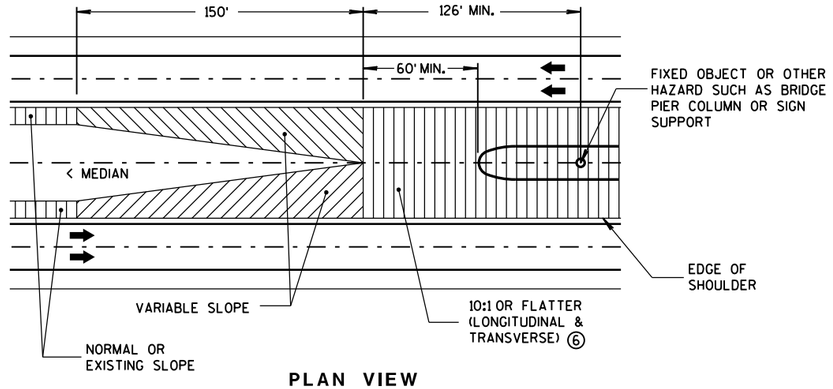
6

6

S.D.D. 8 D 3-6

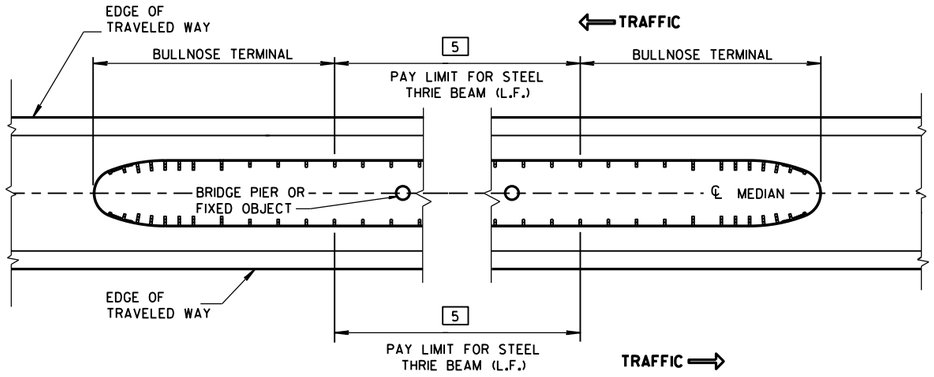
S.D.D. 8 D 3-6

14B26 sheet a: Steel Thrie Beam Bullnose Terminal

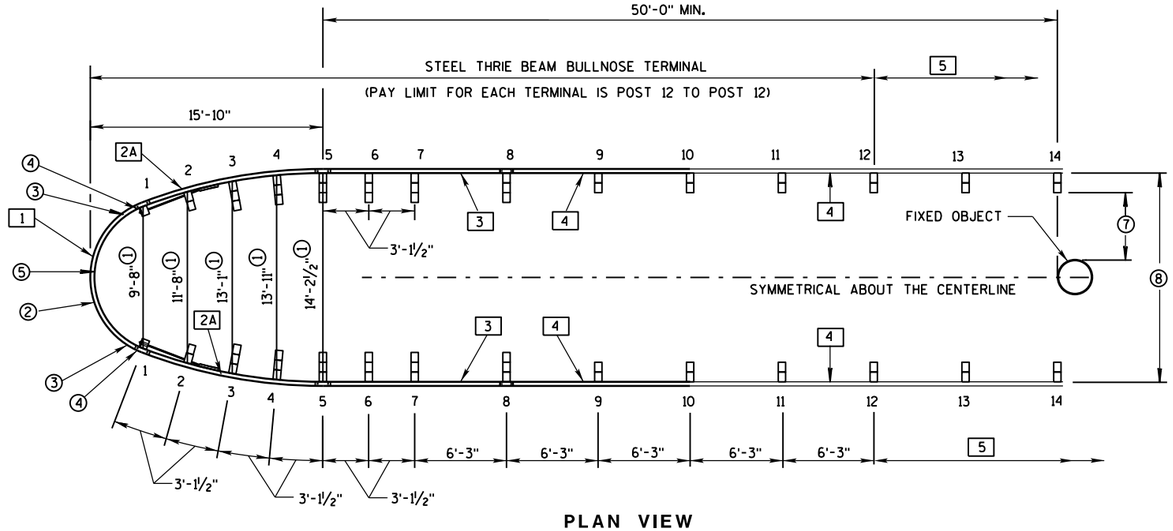


PLAN VIEW

GRADING AT BULLNOSE
(ALL INSTALLATIONS)

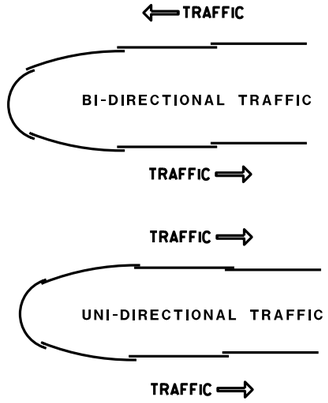


MEDIAN HAZARD PROTECTION PAY LIMITS



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.

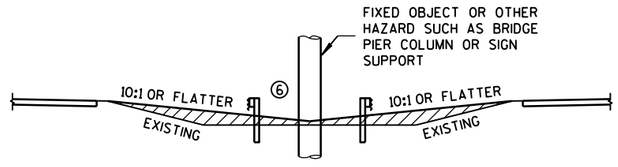
④ NOSE CABLE ANCHOR PLATE (BACKSIDE OF SPLICE).

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.

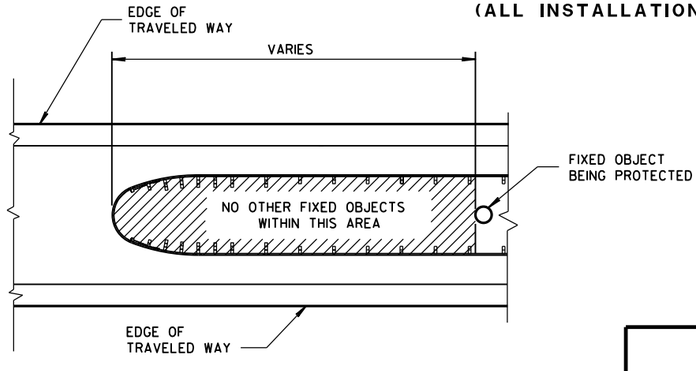
⑥ PROVIDE SUITABLE DRAINAGE WHEN MEDIAN GRADING IMPEDES NORMAL FLOW.

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

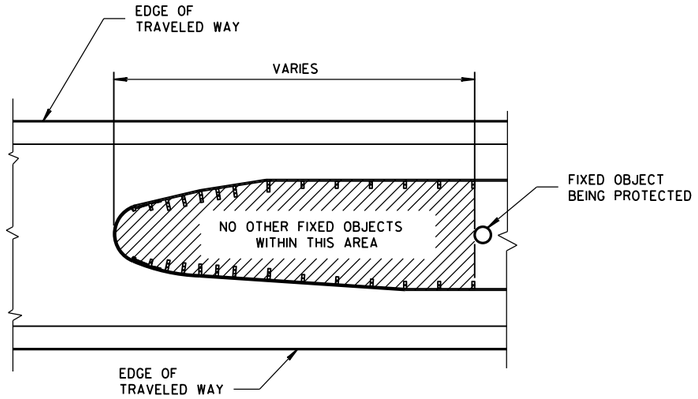
6

S.D.D. 14 B 26-3a

6

S.D.D. 14 B 26-3a

14B26 sheet b: Steel Thrie Beam Bullnose Terminal



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)

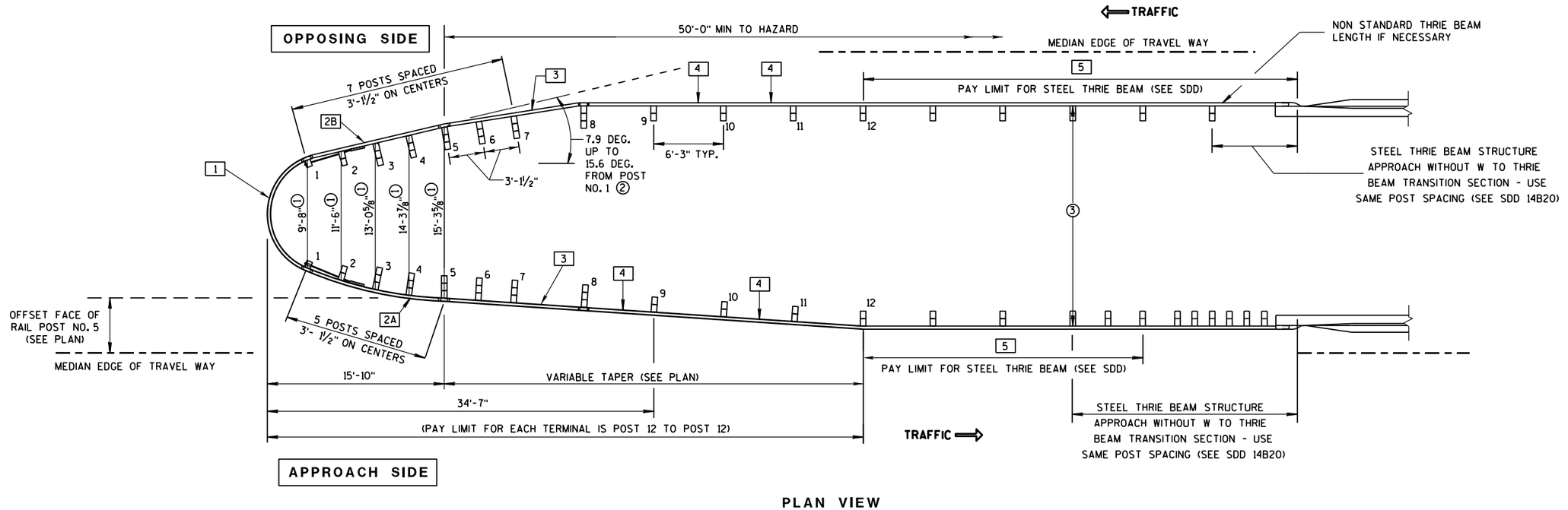
[4] UNBENT STANDARD THRIE-BEAM RAIL NO. 4, (POST 8 TO POST 10 & POST 10 TO POST 12)

[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 TRANSPORTATION

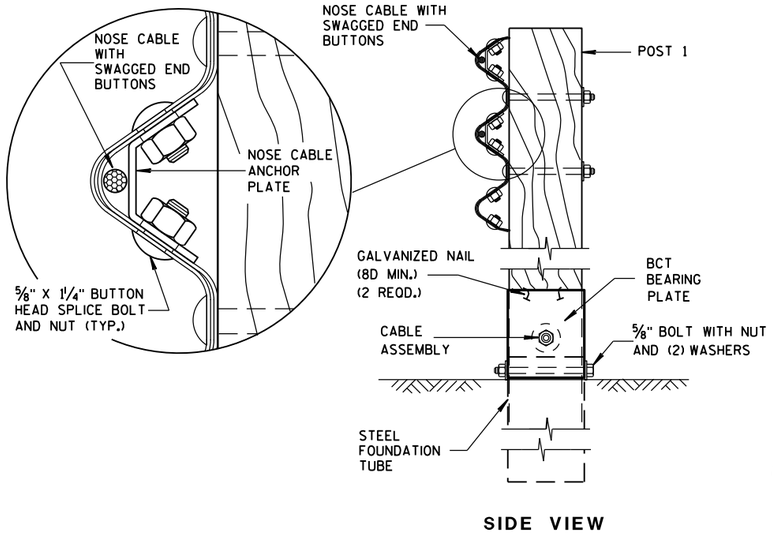
6

S.D.D. 14 B 26-3b

6

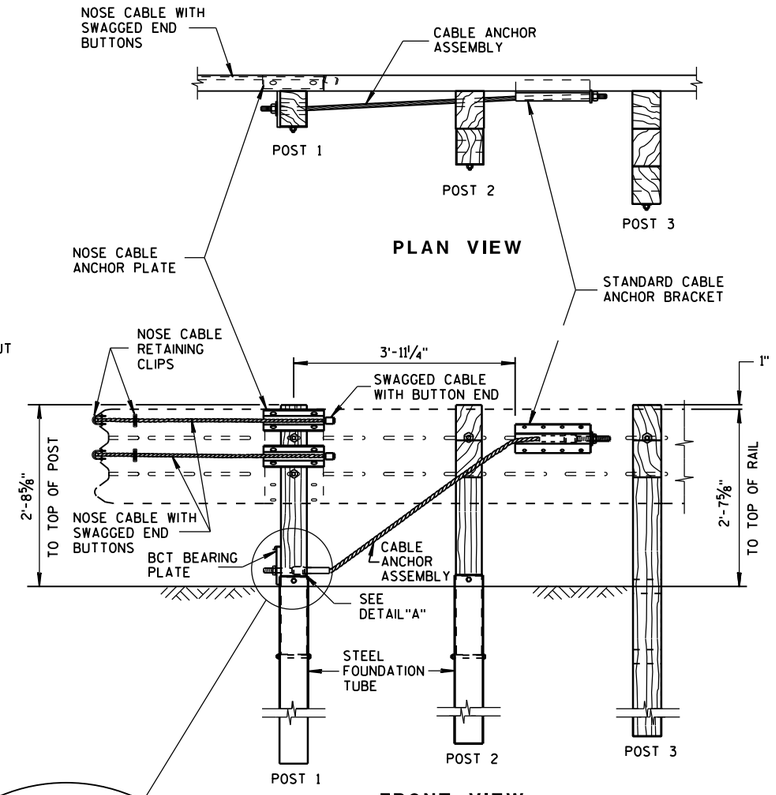
S.D.D. 14 B 26-3b

14B26 sheet c: Steel Thrie Beam Bullnose Terminal



SIDE VIEW

NOSE CABLE ASSEMBLY AT POST NO. 1



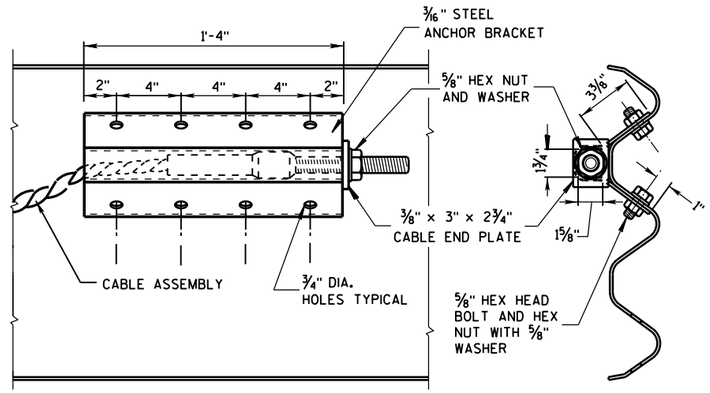
PLAN VIEW

FRONT VIEW

NOSE CABLE ANCHOR AND STANDARD BRACKET ASSEMBLY

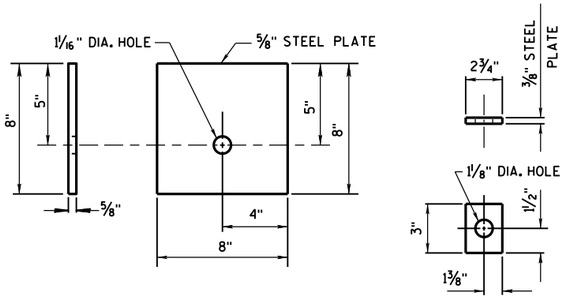
GENERAL NOTES

SEE STANDARD DETAIL DRAWINGS 14 B 26a-e.



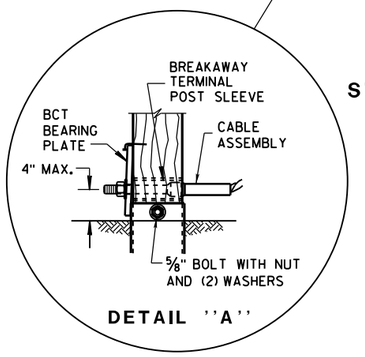
FRONT VIEW END VIEW

DETAILS OF CABLE ANCHOR BRACKET

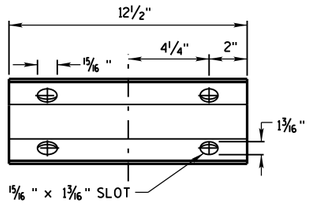


BCT BEARING PLATE

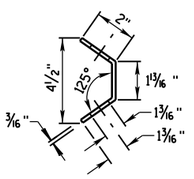
CABLE END PLATE



DETAIL ''A''



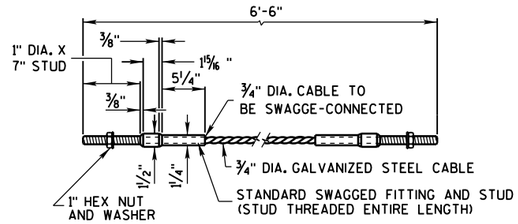
ELEVATION VIEW



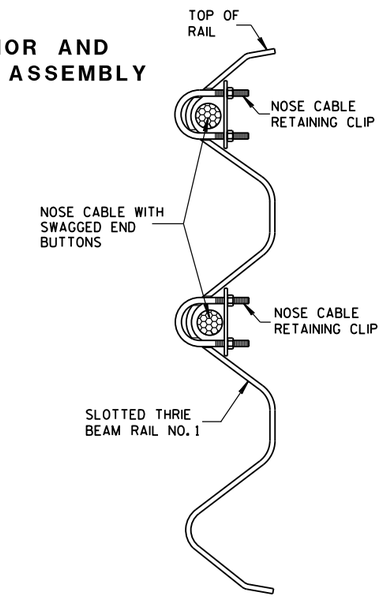
END VIEW

NOSE CABLE ANCHOR PLATE

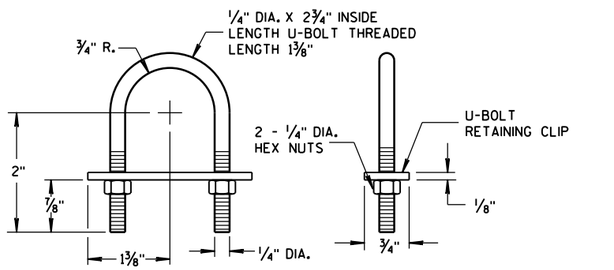
NOTE: 12 1/2" x 5 13/16" x 3/16" STEEL PLATE (A306)



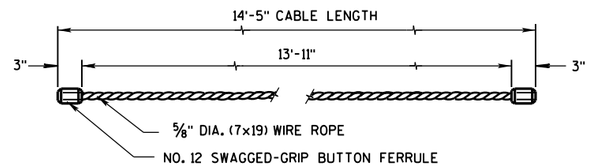
DETAILS OF CABLE ANCHOR ASSEMBLY



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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

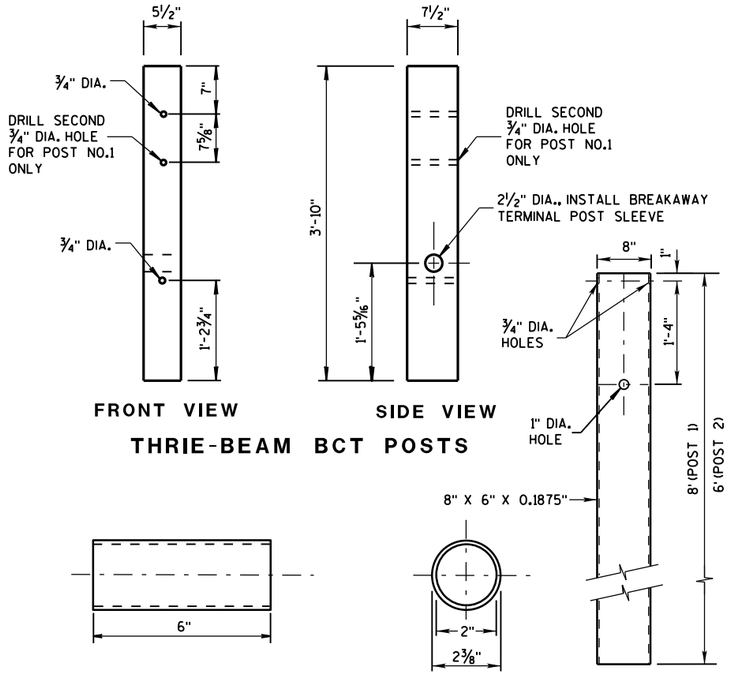
6

S.D.D. 14 B 26-3c

6

S.D.D. 14 B 26-3c

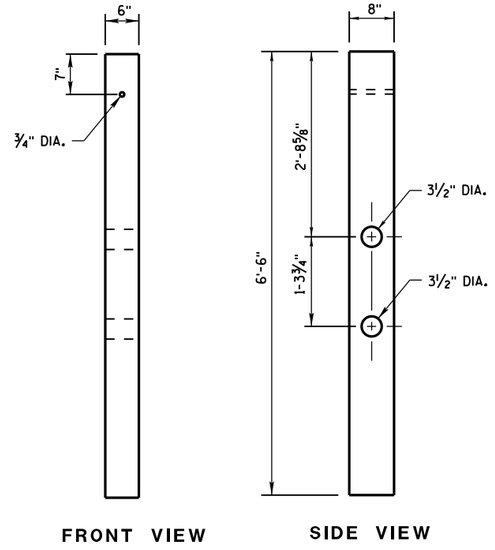
14B26 sheet d: Steel Thrie Beam Bullnose Terminal



THRIE-BEAM BCT POSTS

BREAKAWAY TERMINAL POST SLEEVE

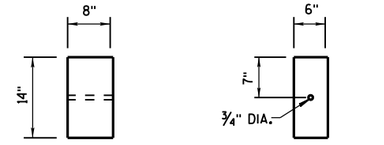
STEEL FOUNDATION TUBE



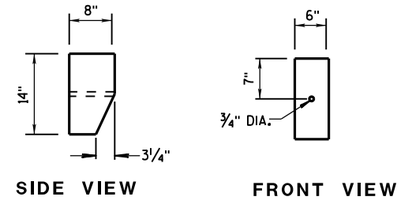
THRIE-BEAM CRT WOOD POSTS

GENERAL NOTES

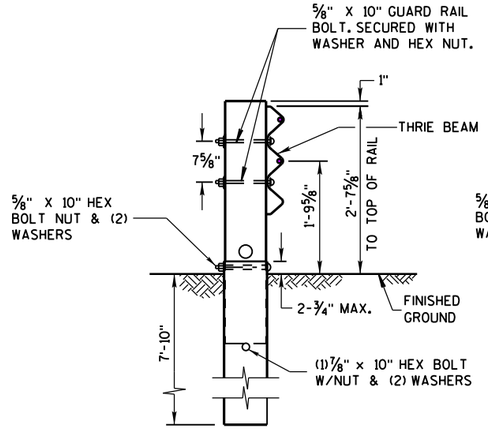
SEE STANDARD DETAIL DRAWINGS 14 B 26a-e.



STANDARD WOOD BLOCK

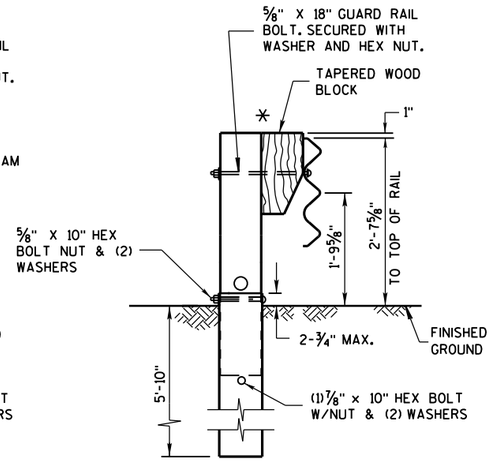


TAPERED WOOD BLOCK



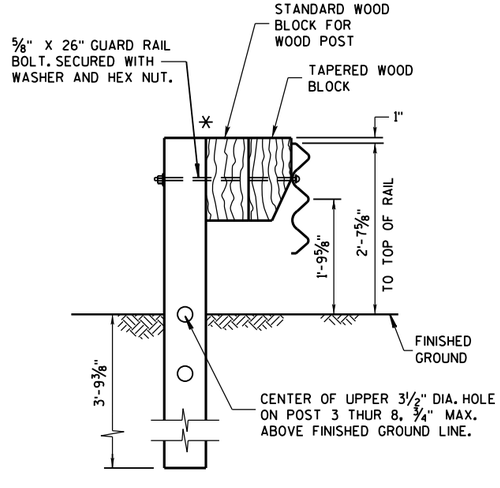
THRIE-BEAM BCT POST
(WITH 8'-0" FOUNDATION TUBE)

POST NO. 1



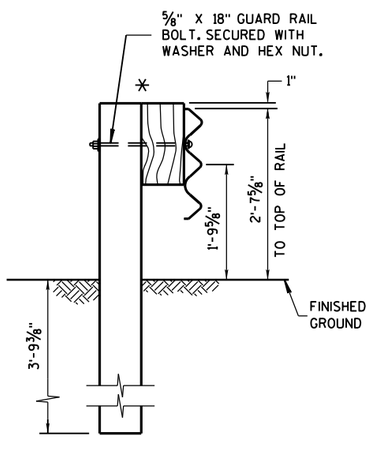
THRIE-BEAM BCT POST
(WITH 6'-0" FOUNDATION TUBE AND 1'-2" TAPERED BLOCK)

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 TRANSPORTATION

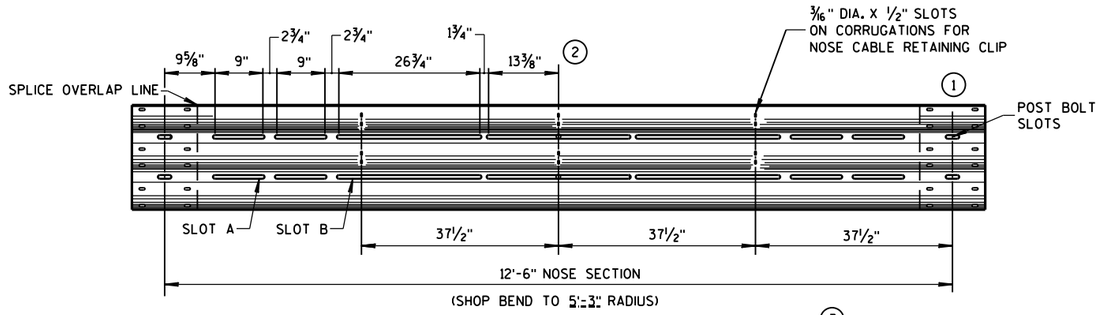
6

S.D.D. 14 B 26-3d

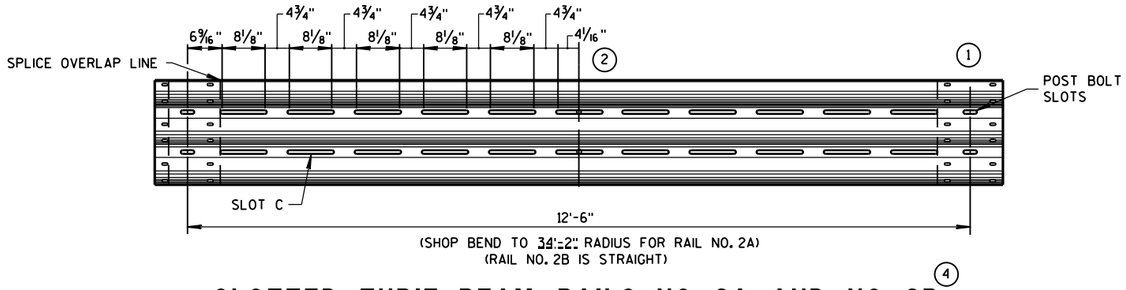
6

S.D.D. 14 B 26-3d

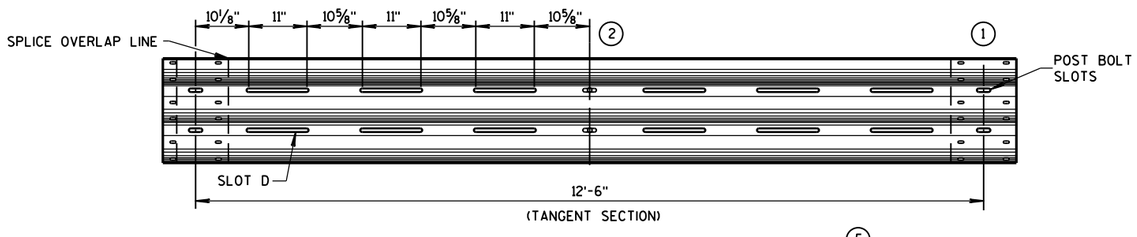
14B26 sheet e: Steel Thrie Beam Bullnose Terminal



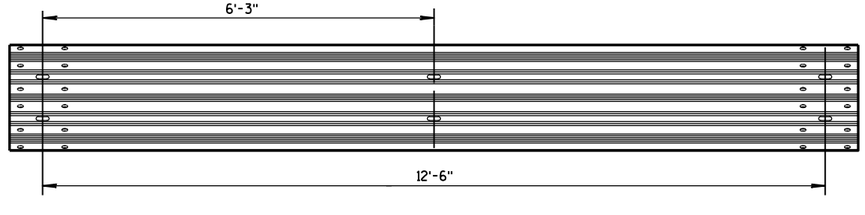
SLOTTED THRIE BEAM RAIL NO. 1 (3)



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.

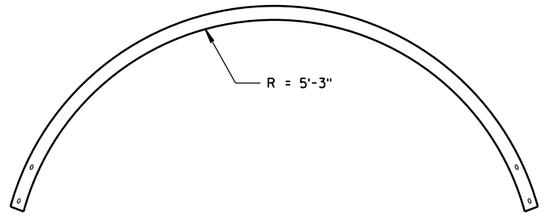
(1) SLOTTED THRIE BEAM RAIL DIMENSIONS SHOWN ARE BEFORE BENDING TO THE RADIUS SHOWN.

(2) SLOT SIZE AND SPACING SYMMETRIC.

(3) SLOTTED THRIE BEAM RAIL NO. 1, 12'-6", SHOP BEND TO R=5'-3".

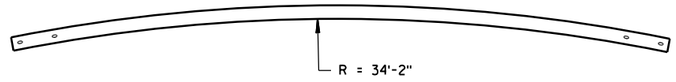
(4) SLOTTED THRIE BEAM RAIL NO. 2A, 12'-6", SHOP BEND TO R=34'-2".
SLOTTED THRIE BEAM RAIL NO. 2B, 12'-6", RAIL IS STRAIGHT.

(5) SLOTTED THRIE BEAM RAIL NO. 3, 12'-6", TANGENT.



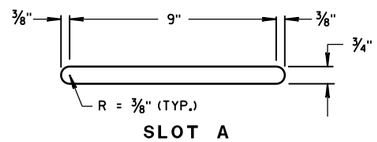
PLAN VIEW

SLOTTED THRIE BEAM RAIL NO. 1

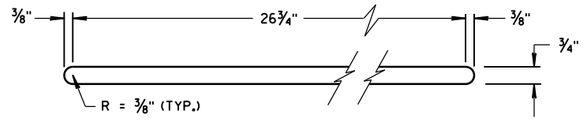


PLAN VIEW

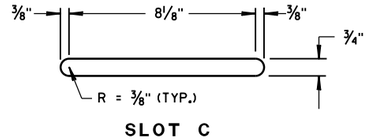
SLOTTED THRIE BEAM RAIL NO. 2A



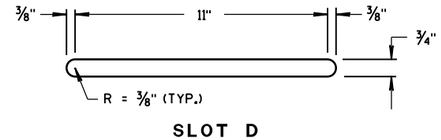
SLOT A



SLOT B



SLOT C



SLOT D

SLOT DETAILS

STEEL THRIE BEAM BULLNOSE TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2014 — DATE

/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

6

S.D.D. 14 B 26-3e

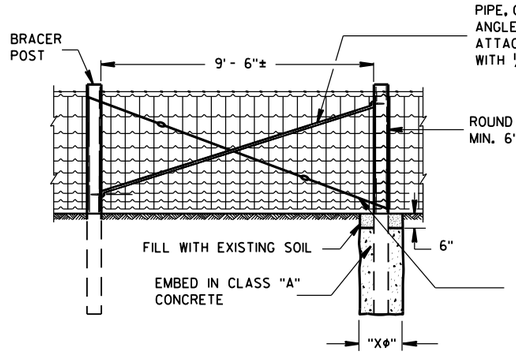
6

S.D.D. 14 B 26-3e

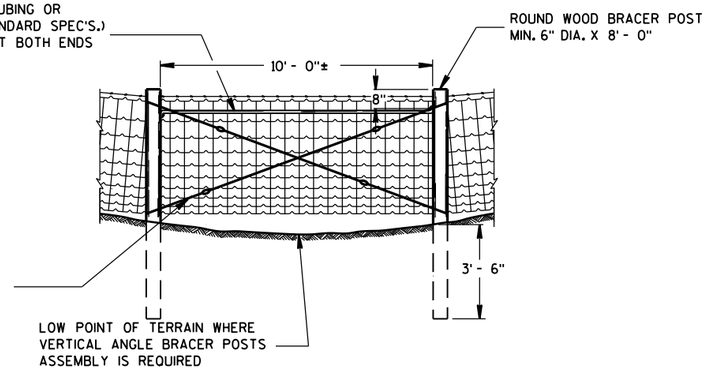
15B1 sheet a: Fence Woven Wire

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.

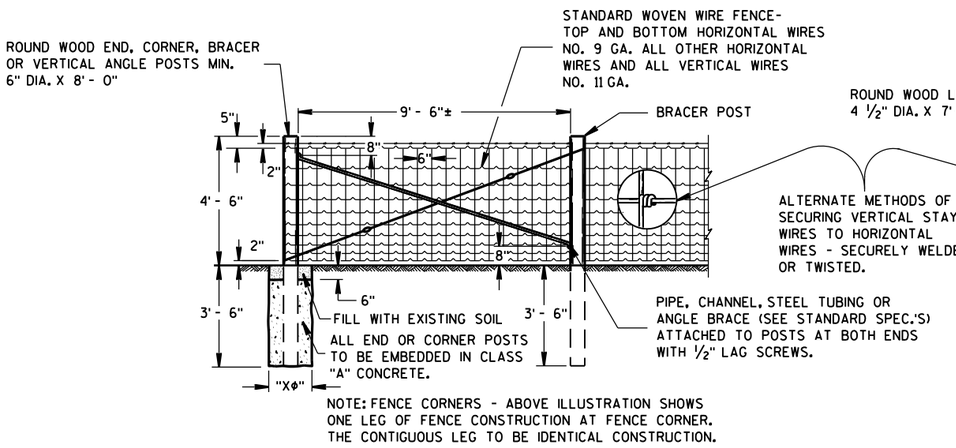
ILLUSTRATION SHOWS POSITION OF STANDARD STEEL BRACE, DOUBLE STRAND GALVANIZED WIRE, AND THE POST TO BE EMBEDDED IN CONCRETE WHEN WIRE FENCE IS INSTALLED FROM LEFT TO RIGHT. THE BRACES SHALL BE POSITIONED ON THE OPPOSITE DIAGONALS AND THE OPPOSITE POST SHALL BE EMBEDDED IN CONCRETE WHEN WIRE FENCE IS INSTALLED FROM RIGHT TO LEFT.



PULL OR STRETCHER POSTS ASSEMBLY

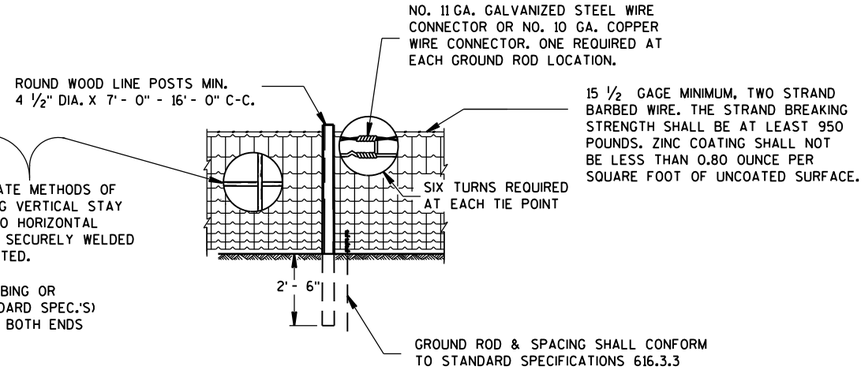


VERTICAL ANGLE BRACER POSTS ASSEMBLY



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 NOTES

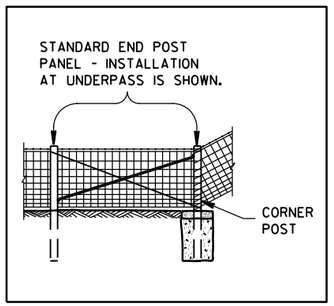
"Xφ" = DIAMETER OF THE POST PLUS 12".

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.

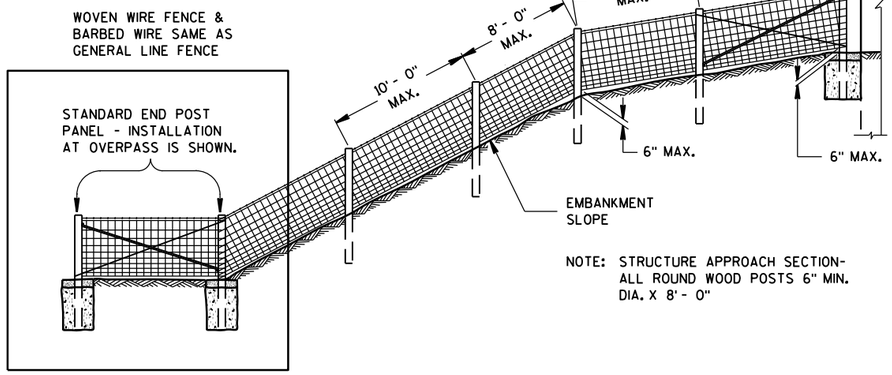
DO NOT STAPLE WIRE TIGHT TO THE LINE POSTS. ALLOW MOVEMENT OF WIRE FOR EXPANSION AND CONTRACTION. STAPLE ARRANGEMENT SHALL BE THE SAME FOR ALL OTHER POSTS EXCEPT THAT THEY SHALL BE DRIVEN TIGHT TO POSTS. ALL STAPLES SHALL BE 2" X 9 GAGE AND SHALL BE MANUFACTURED FROM GALVANIZED WIRE OR HOT DIP GALVANIZED 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.

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

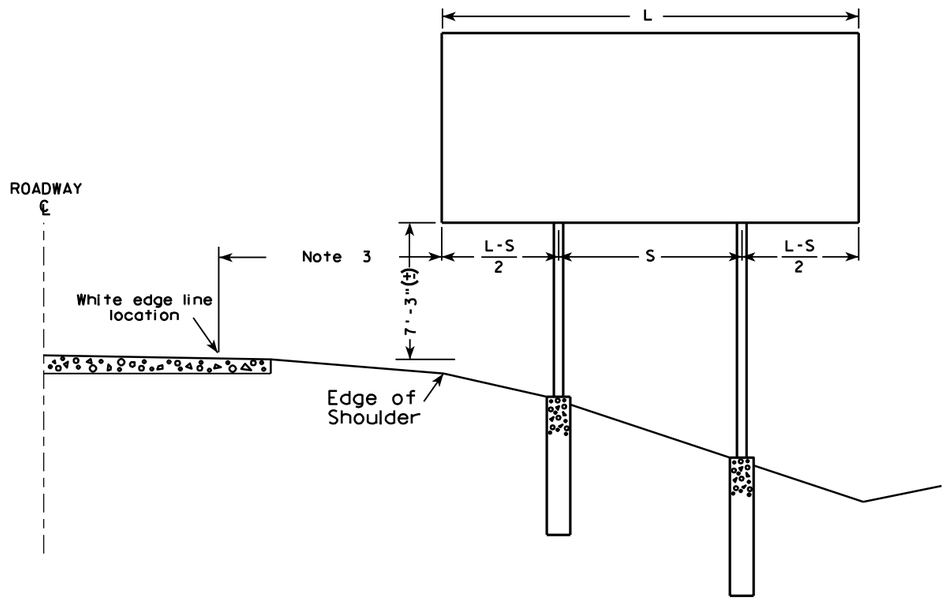
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

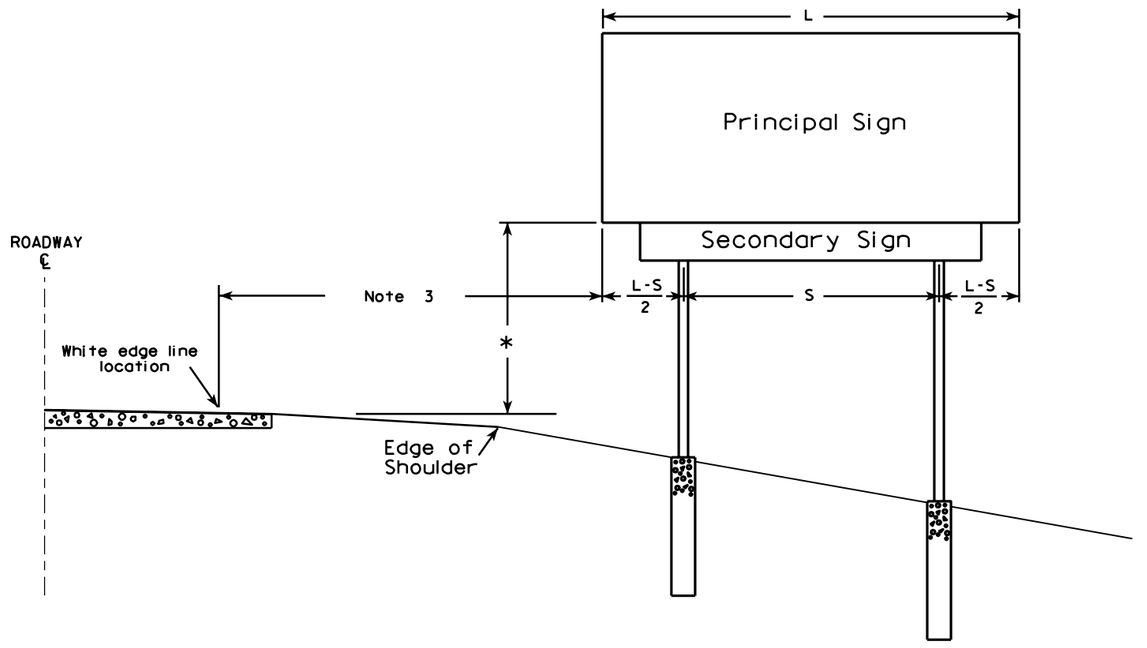
6

S.D.D. 15 B 1-8a

6

S.D.D. 15 B 1-8a





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"(±).

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

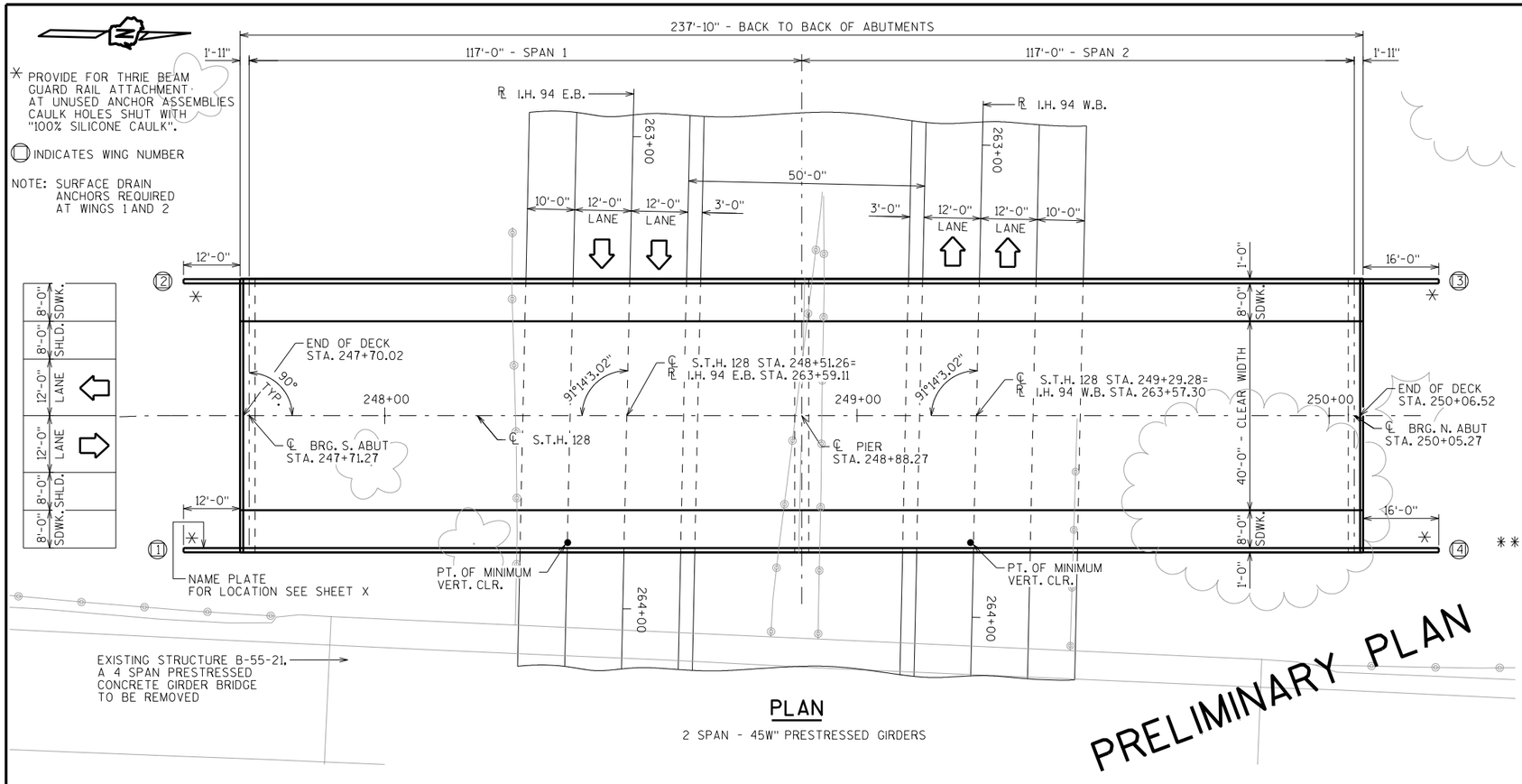
PROJECT NO:				SHEET NO:	E

STATE PROJECT NUMBER
1021-01-70

PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

(1) INDICATES WING NUMBER

NOTE: SURFACE DRAIN ANCHORS REQUIRED AT WINGS 1 AND 2

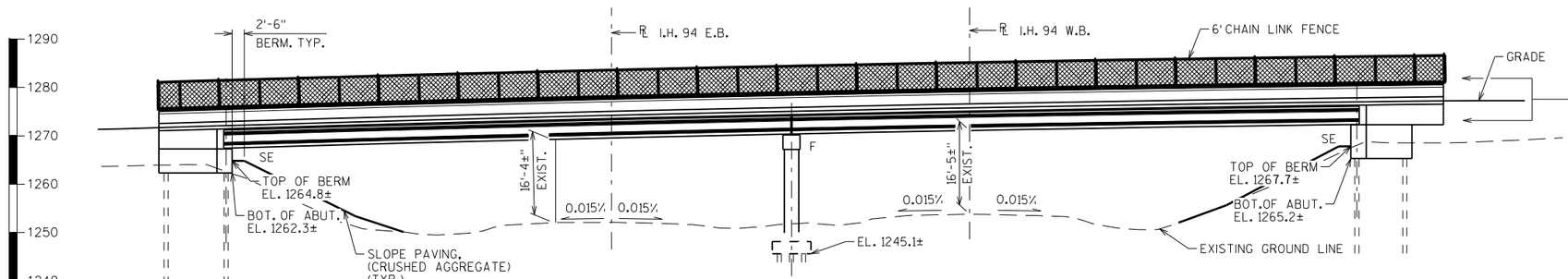


EXISTING STRUCTURE B-55-21. A 4 SPAN PRESTRESSED CONCRETE GIRDER BRIDGE TO BE REMOVED

PLAN

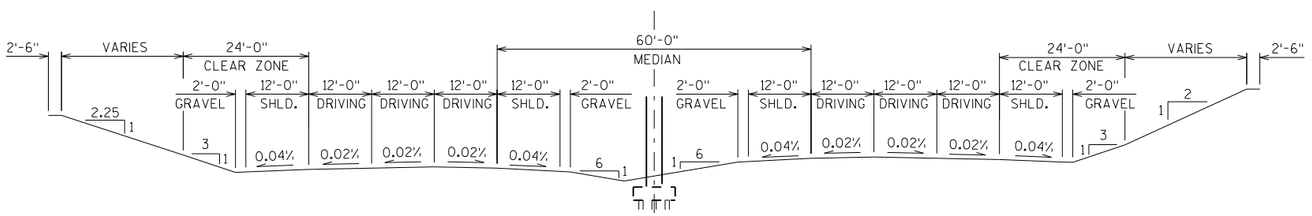
2 SPAN - 45W" PRESTRESSED GIRDERS

PRELIMINARY



ELEVATION

NORMAL TO I.H. 94



TYPICAL SECTION THRU FUTURE I.H. 94

DESIGN DATA

LIVE LOAD:

DESIGN LOADING; HL-93
INVENTORY RATING FACTOR; RF=
OPERATIONAL RATING FACTOR; RF=
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): KIPS.

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
DECK ——— f'c = 4,000 P.S.I.
ALL OTHER ——— f'c = 3,500 P.S.I.
45W" PRESTRESSED GIRDERS ——— f'c = 8,000 P.S.I.

STEEL AND REINFORCEMENT:
BAR STEEL REINFORCEMENT, GRADE 60 ——— fy = 60,000 P.S.I.
STRUCTURAL CARBON STEEL A.S.T.M. A709 GRADE 36 ——— fy = 36,000 P.S.I.
STRANDS- 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

FOUNDATION DATA

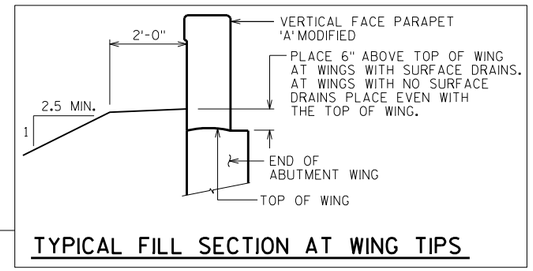
ABUTMENTS TO BE SUPPORTED ON HP XX X XX STEEL PILING DRIVEN TO A MINIMUM BEARING VALUE OF XXX ** TONS PER PILE. ESTIMATED XX' LONG.

PIER TO BE SUPPORTED ON HP XX X XX STEEL PILING DRIVEN TO A MINIMUM BEARING VALUE OF XXX ** TONS PER PILE. ESTIMATED XX' LONG.

** 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

S.T.H. 128	I.H. 94
A.D.T.=5100 (2036)	A.D.T.=46600 (2036)
R.D.S.=50 M.P.H.	R.D.S.=70 M.P.H.



TYPICAL FILL SECTION AT WING TIPS

STRUCTURE DESIGN CONTACT:
MICHAEL LARSON (608) 267-4539
LAURA SHADEWALD (608) 267-9592

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3.
4.
5.
6.
7.
8.
9.
10.
11.
12.
13.
14.
15.

NO.	DATE	REVISION	BY

Plans Prepared By **WISDOT**
BUREAU OF STRUCTURES

ACCEPTED _____ DATE _____
CHIEF STRUCTURES DESIGN ENGINEER

STRUCTURE B-55-266

S.T.H. 128 OVER I.H. 94

COUNTY	TOWN/~~CITY/VILLAGE~~
ST. CROIX	CADY

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	MJL	DESIGN CK'D.	PMM	DRAWN BY	MJL	PLANS CK'D.	BLB

GENERAL PLAN

SHEET 1 OF 2

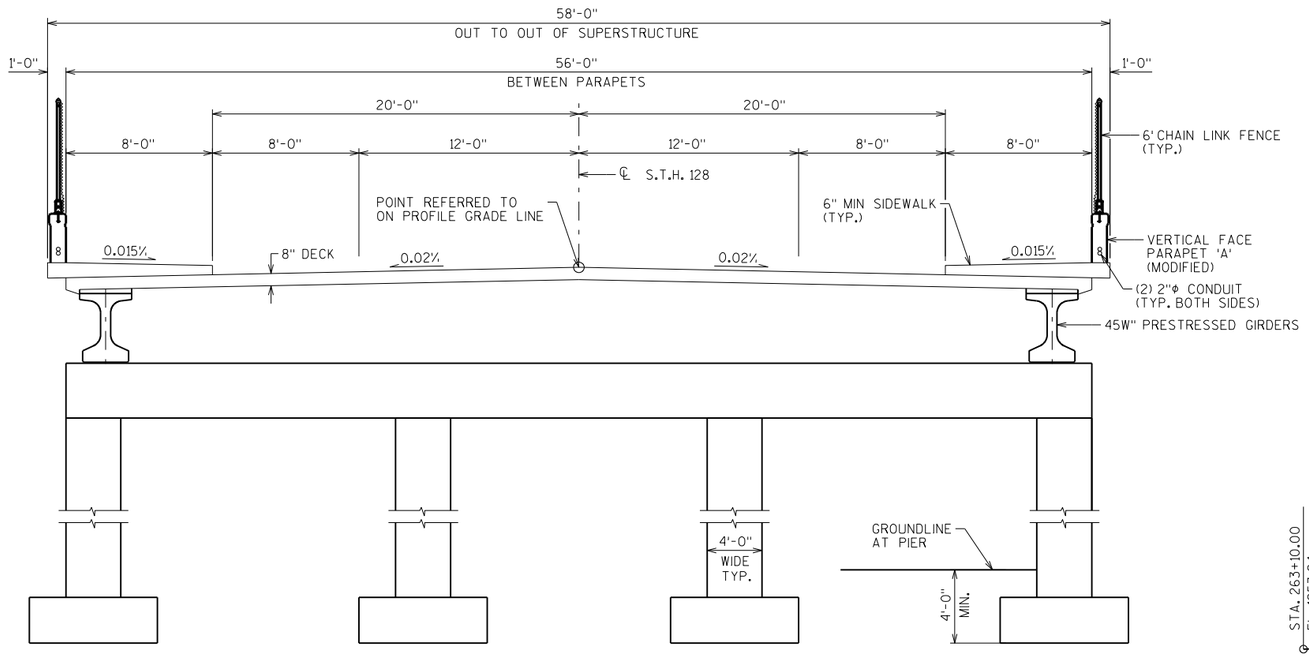
SCALE = 14

I.D. 1021-01-00

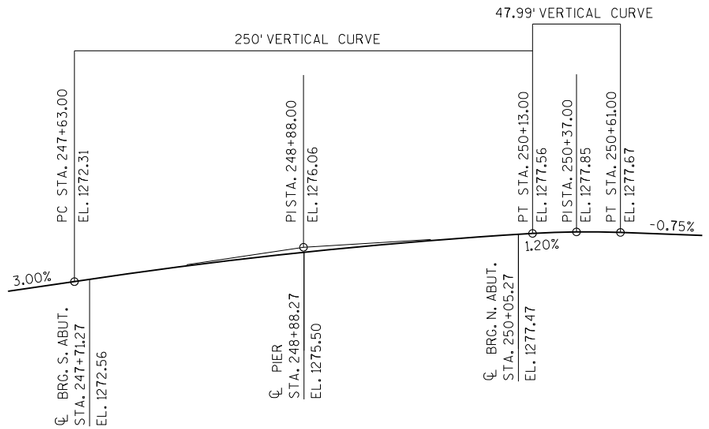
DATE: NOV. 2014

STATE PROJECT NUMBER

1021-01-70

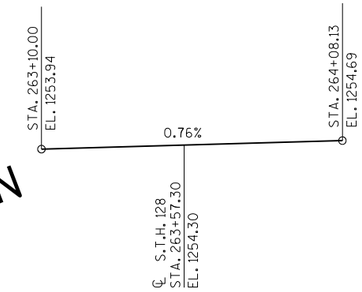


CROSS SECTION THRU ROADWAY LOOKING NORTH

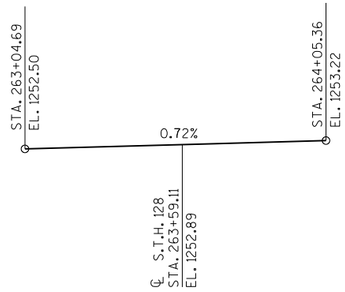


PROFILE GRADE LINE ON S.T.H. 128

PRELIMINARY PLAN



PROFILE GRADE LINE ON I.H. 94 W.B.



PROFILE GRADE LINE ON I.H. 94 E.B.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	SOUTH ABUT.	NORTH ABUT.	PIER	TOTALS
203.0200	REMOVING OLD STRUCTURE STA. 248+88	LS	———	———	———	———	1
203.0225.S	DEBRIS CONTAINMENT	LS	———	———	———	———	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-55-266	LS	———	———	———	———	
210.0100	BACKFILL STRUCTURE	CY	———	———	———	———	
502.0100	CONCRETE MASONRY BRIDGES	CY	———	———	———	———	
502.3200	PROTECTIVE SURFACE TREATMENT	SY	———	———	———	———	
503.0146	PRESTRESSED GIRDER TYPE I 45W-INCH	LF	———	———	———	———	
505.0405	BAR STEEL REINFORCEMENT HS BRIDGES	LB	———	———	———	———	
505.0605	BAR STEEL REINFORCEMENT HS COATED BRIDGES	LB	———	———	———	———	
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	———	———	———	———	
506.4000	STEEL DIAPHRAGMS B-55-266	EACH	———	———	———	———	
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	———	———	———	———	
550.11XX	PILING STEEL HP XX-INCH X XXLB	LF	———	———	———	———	
604.0500	SLOPE PAVING CRUSHED AGGREGATE	SY	———	———	———	———	
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	———	———	———	———	
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	———	———	———	———	
652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	———	———	———	———	
SPV.0090	FENCE CHAIN LINK POLYMER-COATED 6-FT.	LF	———	———	———	———	
	NON-BID ITEMS						
	FILLER	SIZE					½" & ¾"

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.

AT THE BACKFACE 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.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

THE GRADATION OF THE STRUCTURE BACKFILL SHALL MEET THE REQUIREMENTS OF SECTION 209.2.2 OF THE STANDARD SPECIFICATIONS FOR GRADE 1 MATERIAL.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE TOP OF DECK SURFACE, ENTIRE SIDEWALK, AND THE FRONT FACE AND THE TOP OF THE PARAPET, INCLUDING PARAPETS ON ABUTMENT WINGS.

THE EXISTING GROUND LINE SHALL BE USED AS THE UPPER LIMITS OF EXCAVATION AT THE PIERS.

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 IN THE ABUTMENT DETAILS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-266

DRAWN BY MJL | PLANS CK'D. BLB

CROSS SECTION & QUANTITIES

SHEET 2

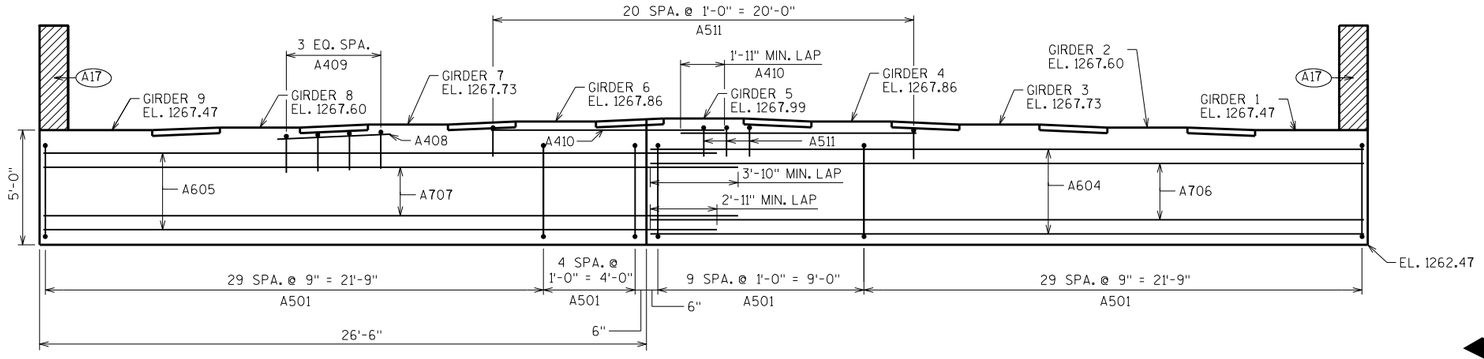
SCALE = 4

8

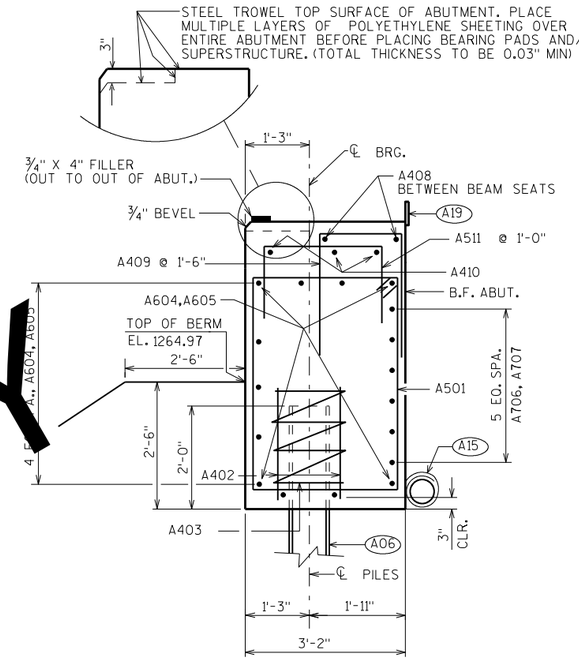
8

STATE PROJECT NUMBER

1021-01-70

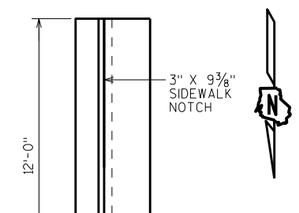


ELEVATION LOOKING SOUTH

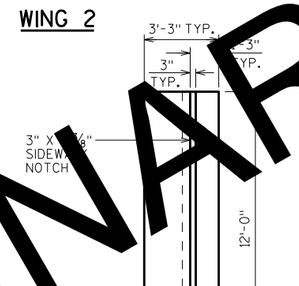


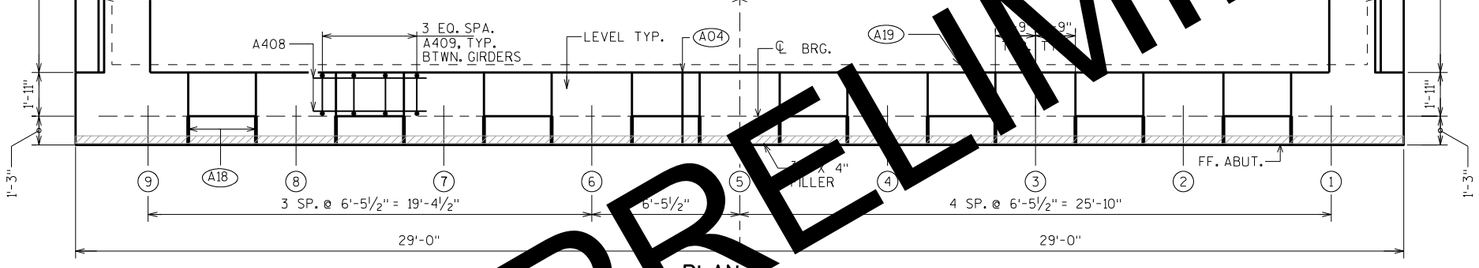
SECTION THRU BODY

WING 1

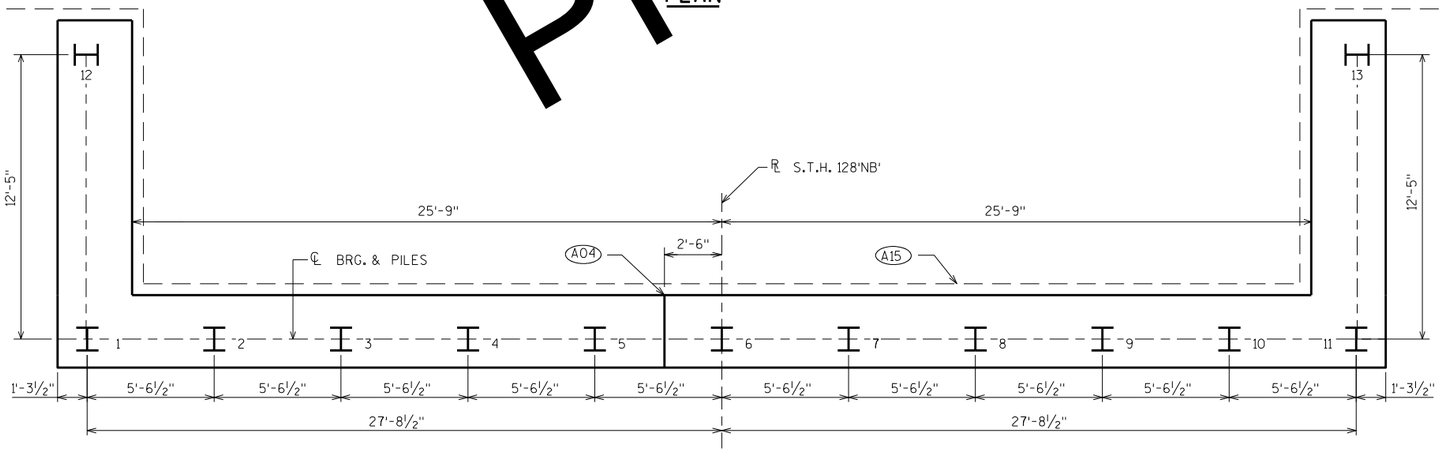


WING 2





PLAN



PILE PLAN

A04 VERT. CONSTRUCTION JOINT: KEYWAY FORMED BY A BEVELED 2 x 8. 3/4" "V" GROOVE @ THE FRONT FACE AND 18" R.M.W. @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

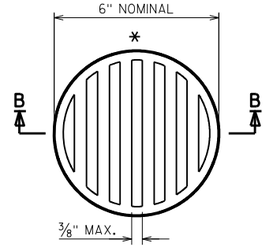
A06 SUPPORT ABUTMENT ON HP 10 x 42 STEEL PILING, ESTIMATED 50' LONG WITH A REQUIRED DRIVING RESISTANCE OF 175 TONS PER PILE.

A15 PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

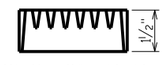
A17 1/2" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

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.



RODENT SHIELD DETAIL



SECTION B-B

* 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-55-266

DRAWN BY MJL | PLANS CK'D.

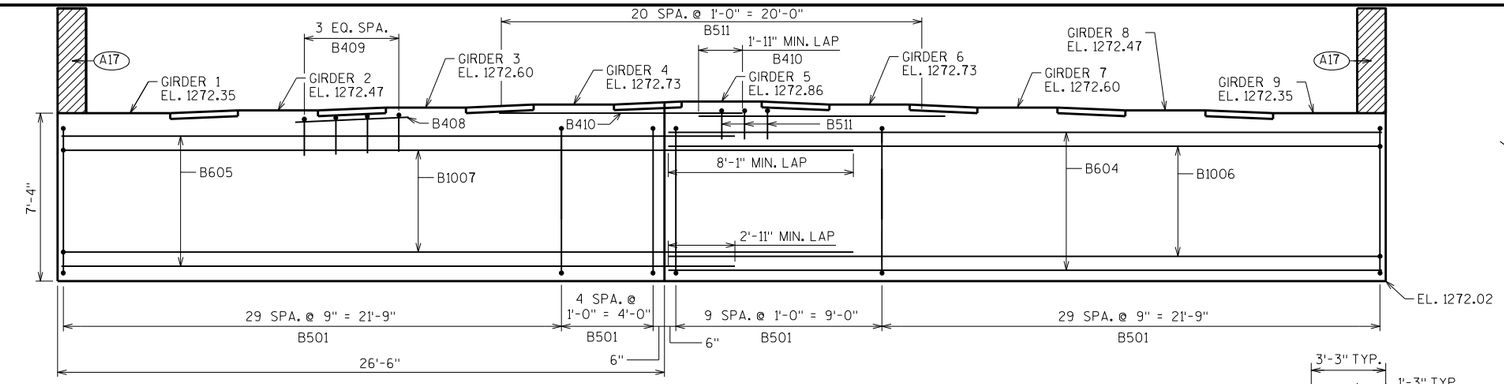
SOUTH ABUTMENT

SHEET 4

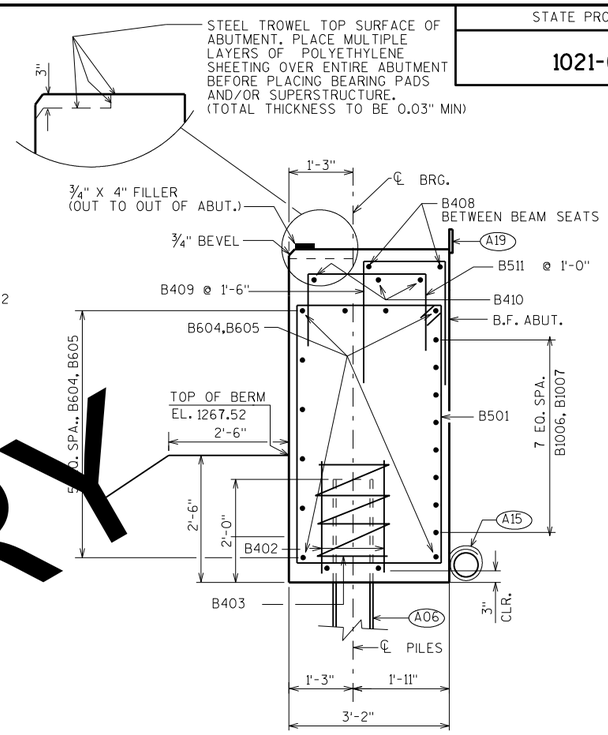
SCALE = 3.2

8

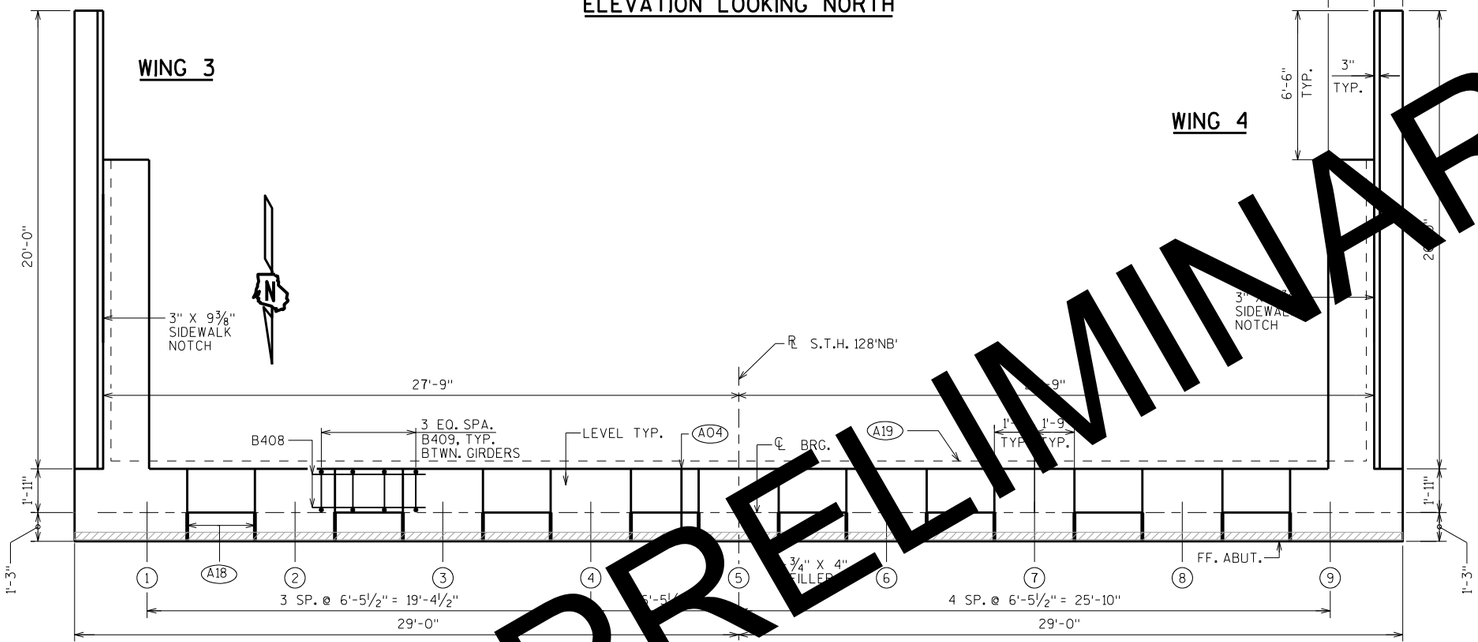
8



ELEVATION LOOKING NORTH



SECTION THRU BODY



A04 VERT. CONSTRUCTION JOINT: KEYWAY FORMED BY A BEVELED 2 x 8. 3/4" "V" GROOVE @ THE FRONT FACE AND 18" R.M.W. @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

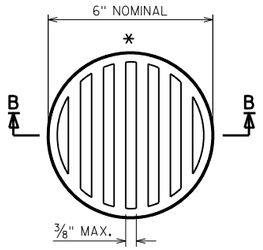
A06 SUPPORT ABUTMENT ON HP 10 x 42 STEEL PILING, ESTIMATED 45'LONG WITH A REQUIRED DRIVING RESISTANCE OF 175 TONS PER PILE.

A15 PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

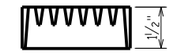
A17 1/2" FILLER (INCLUDED IN WING LENGTH): SEALALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2"FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

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.



RODENT SHIELD DETAIL



SECTION B-B

* 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-55-266

DRAWN BY MJL | PLANS CK'D.

NORTH ABUTMENT

SHEET 6

STATE PROJECT NUMBER
1021-01-70

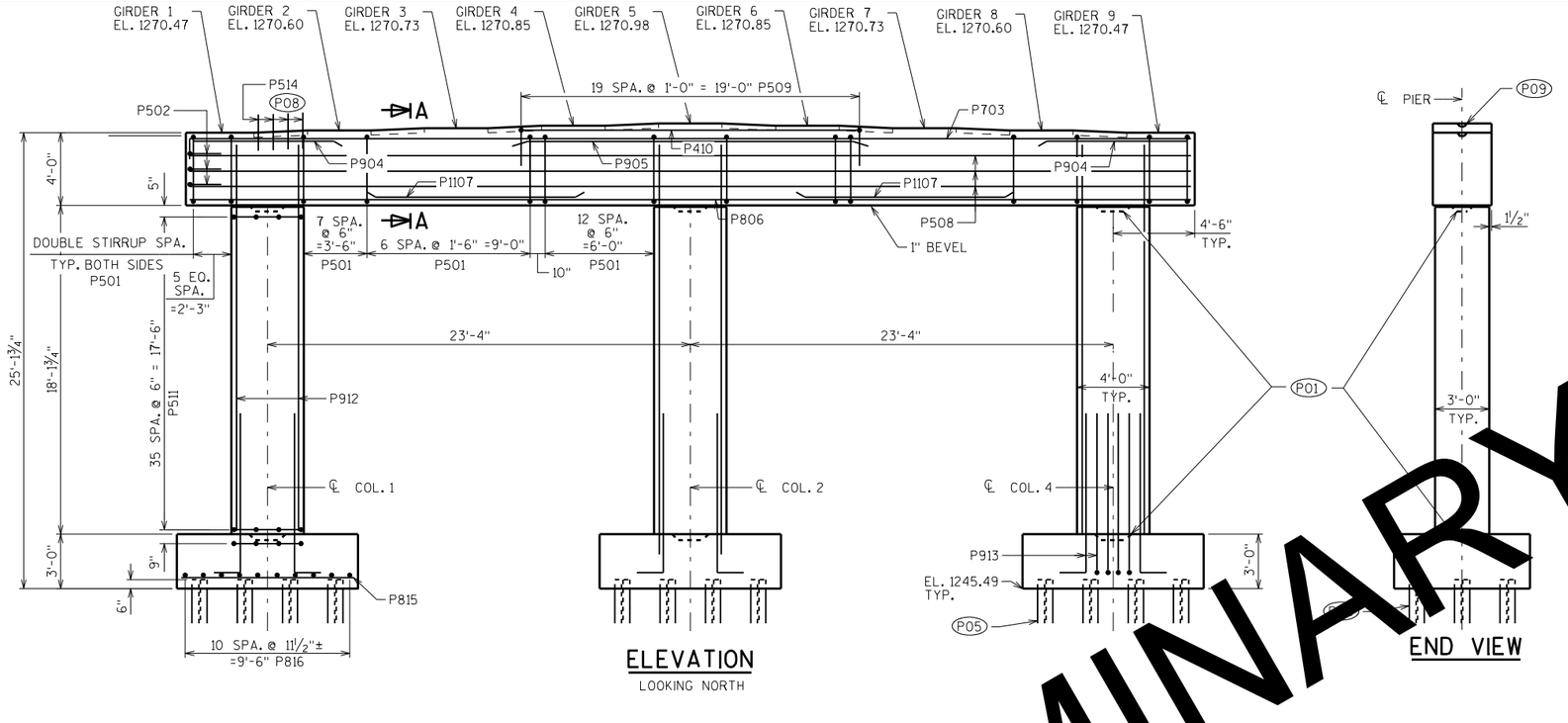
SCALE = 3.2

8

8

STATE PROJECT NUMBER

1021-01-70



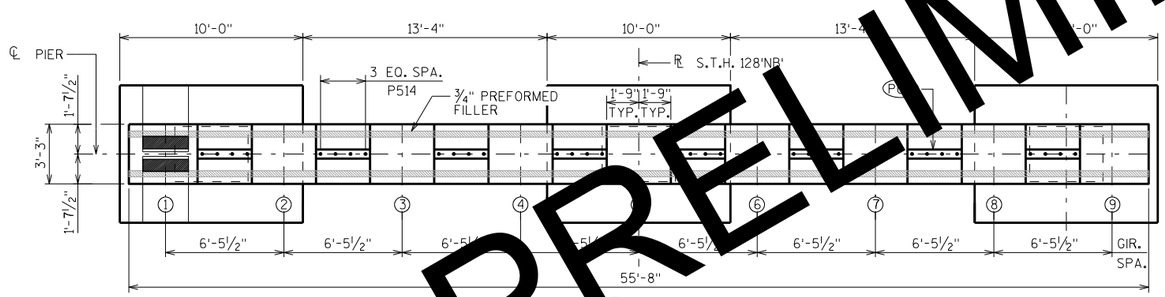
ELEVATION

LOOKING NORTH

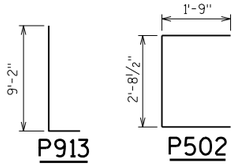
BILL OF BARS

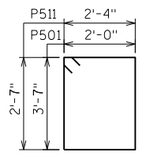
NOTE:
THE FIRST OF FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
P501	X	132	11'-8"	X		CAP - STIRRUPS
P502	X	6	6'-0"	X		CAP - HORIZ. AT ENDS
P703	X	7	55'-3"			CAP - LONGIT. TOP
P904	X	10	7'-9"			CAP - LONGIT. TOP
P905	X	5	19'-8"			CAP - LONGIT. TOP
P806	X	7	55'-3"			CAP - LONGIT. BOT.
P1107	X	8	12'-0"			CAP - LONGIT. BOT.
P508	X	6	55'-3"			CAP - LONGIT.
P509	X	40	4'-11"	X		CAP - VERT. BTWN. GIR. 3-7
P410	X	4	19'-2"			CAP - LONGIT. BTWN. GIR. 3-7
P511	X	222	10'-6"	X		COLUMN - TIES
P912	X	54	19'-11"			COLUMN - VERT.
P913	X	54	10'-6"	X		COLUMN - DOWELS
P514	X	32	2'-0"			CAP - ANCHORS
P815		36	9'-6"			FOOTING
P816		33	7'-0"			FOOTING

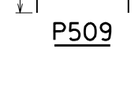


PLAN

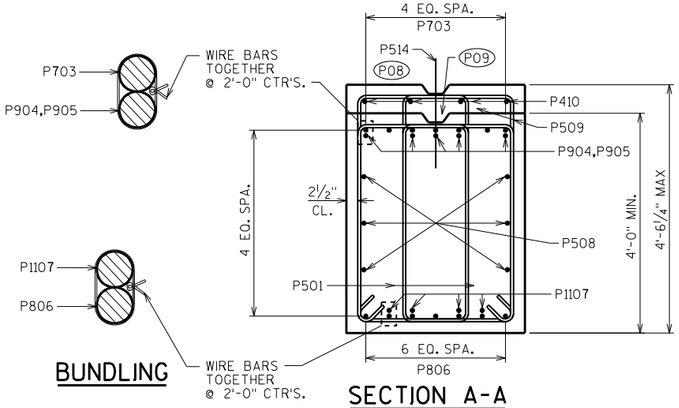




P501, P511

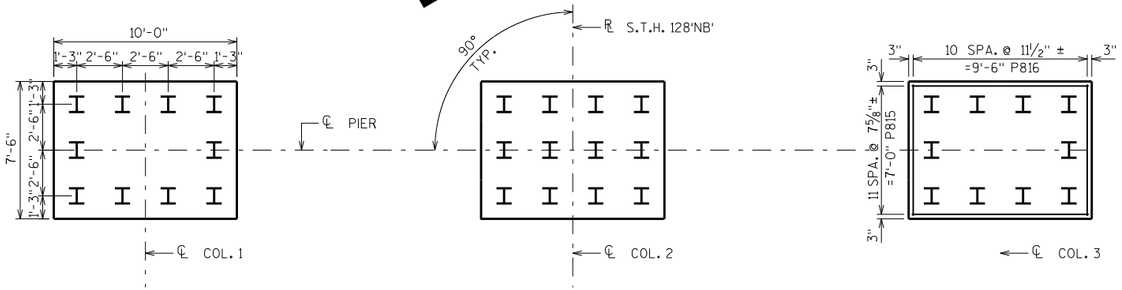


P509



BUNDLING

SECTION A-B



FOOTING PLAN

(P01) 1'-3" X 1'-3" X 2" CONSTRUCTION JOINT FORMED BY BEVELED KEYWAY.

(P05) SUPPORT PIER ON HP 10 X 42 STEEL PILING, ESTIMATED 35'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 165 TONS PER PILE.

(P08) p514 BARS @ 1'-0" CTRS. BETWEEN BEAM SEATS. 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 BETWEEN BEAM SEATS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-55-266

DRAWN BY MJL | PLANS CK'D.

PIER

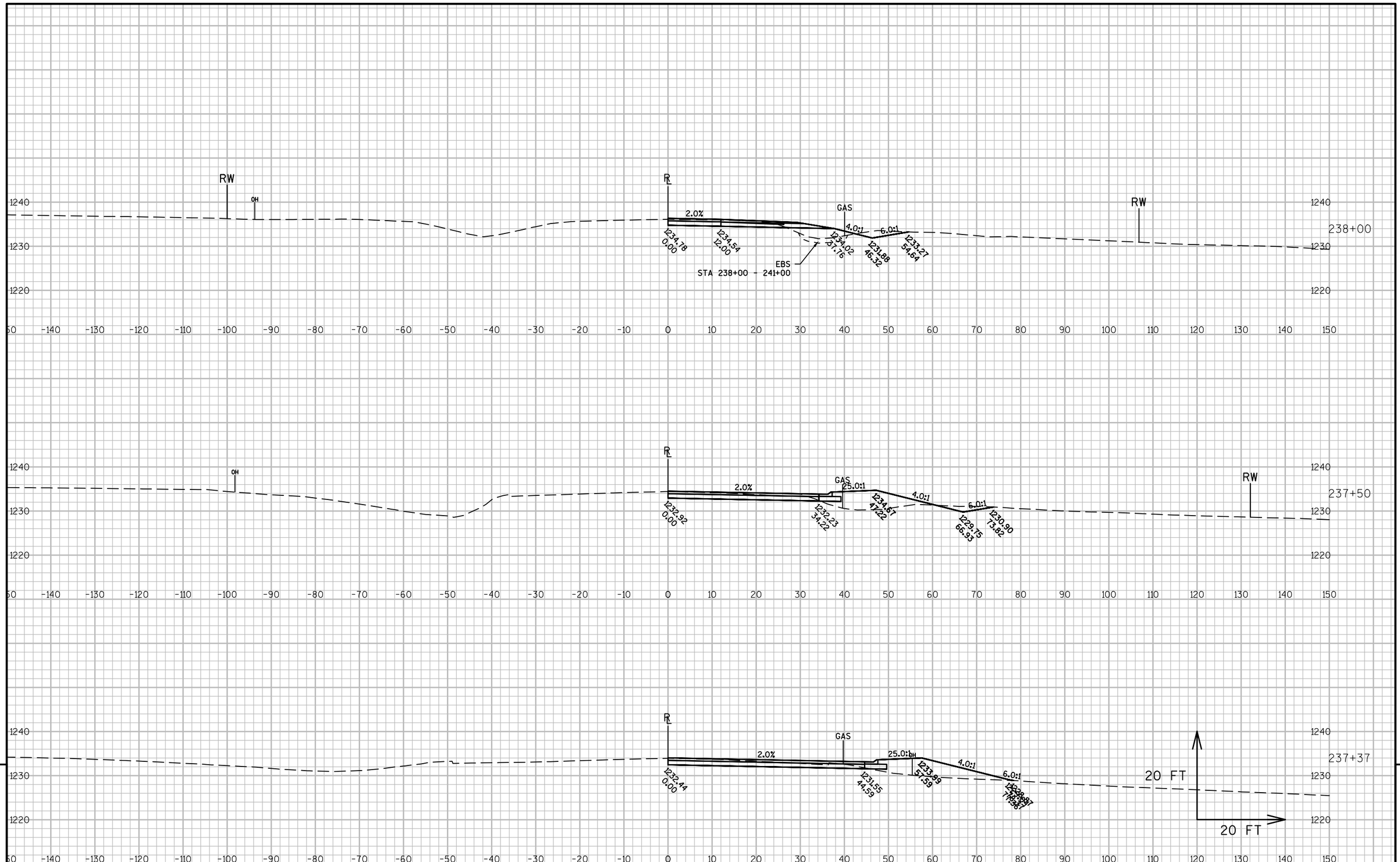
SHEET 8

SCALE = 4

8

8

PRELIMINARY



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PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 NB	SHEET	E

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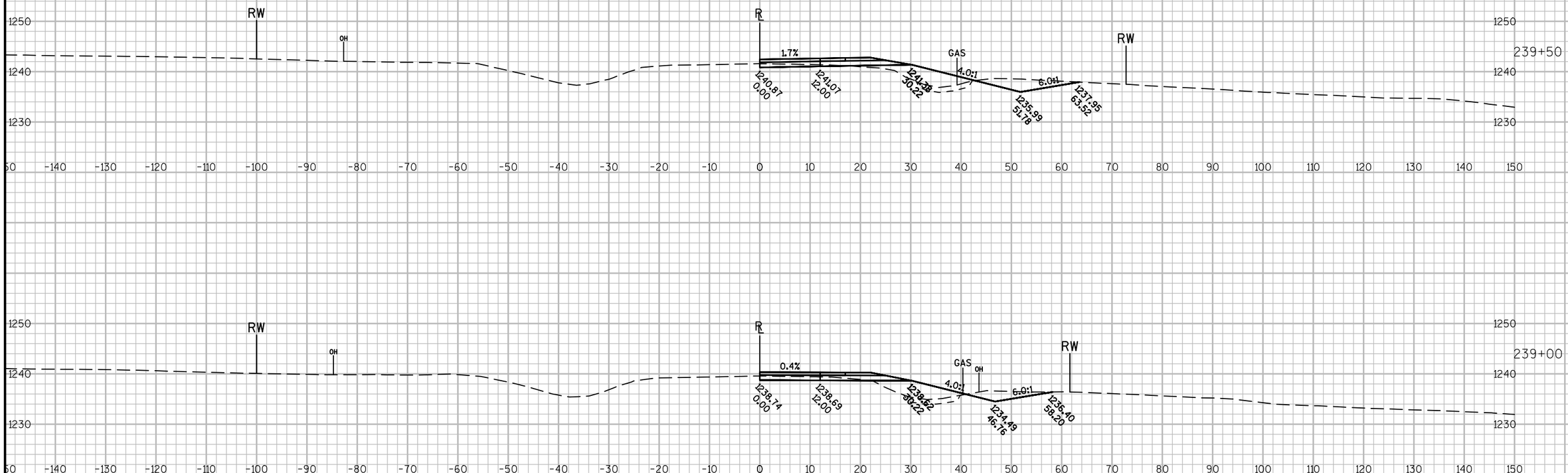

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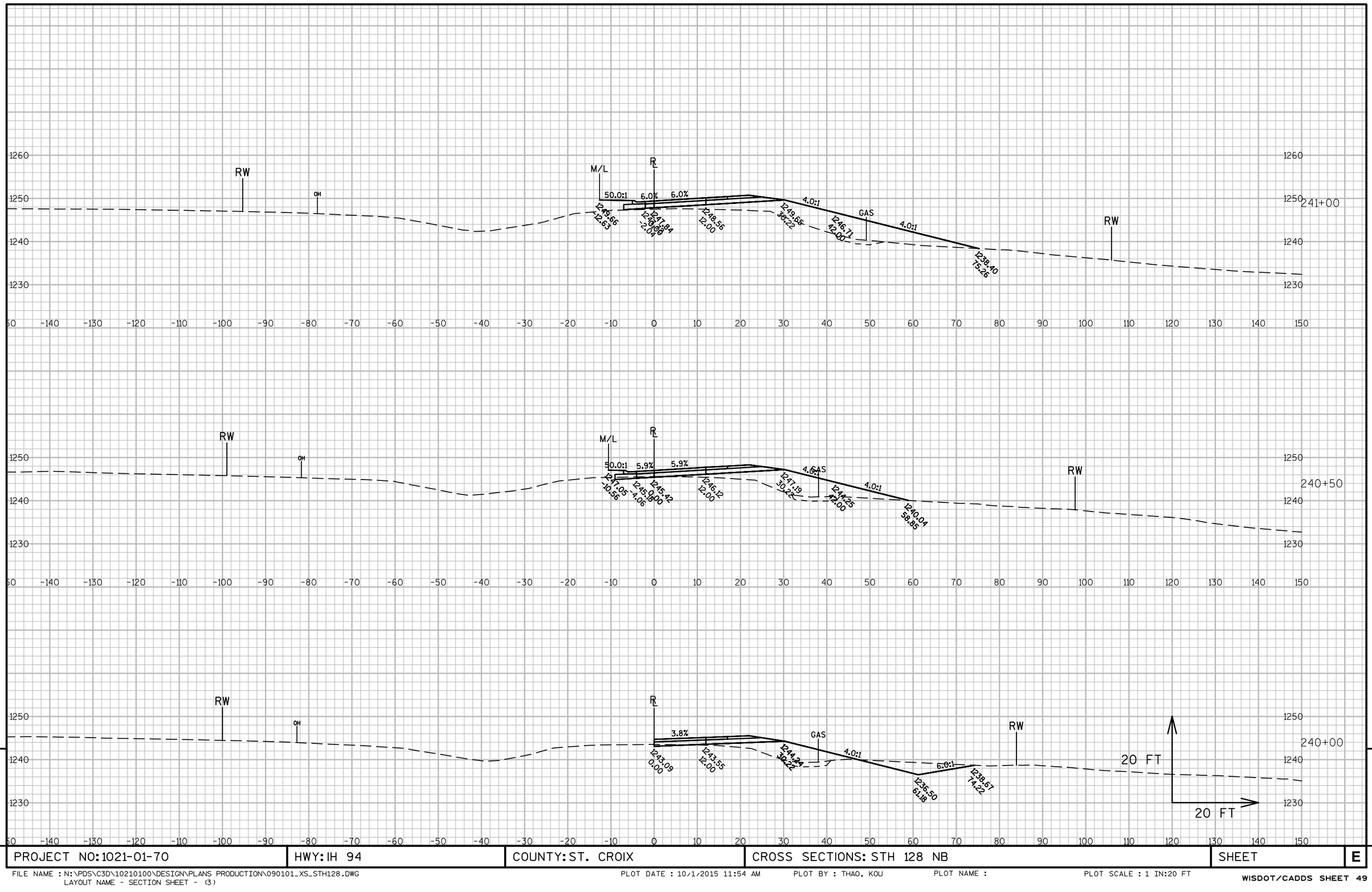

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 NB	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128.DWG
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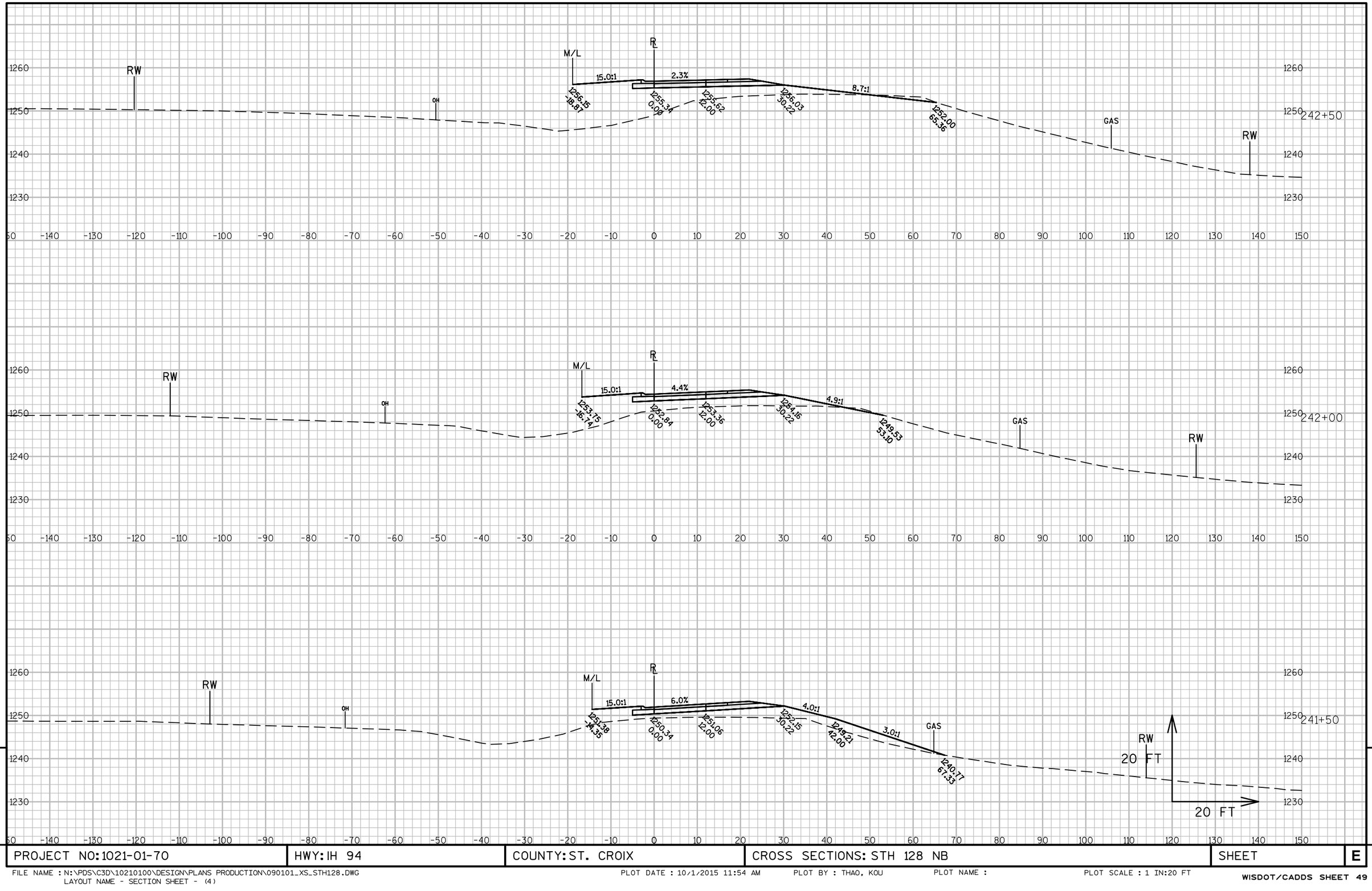

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PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 NB	SHEET	E

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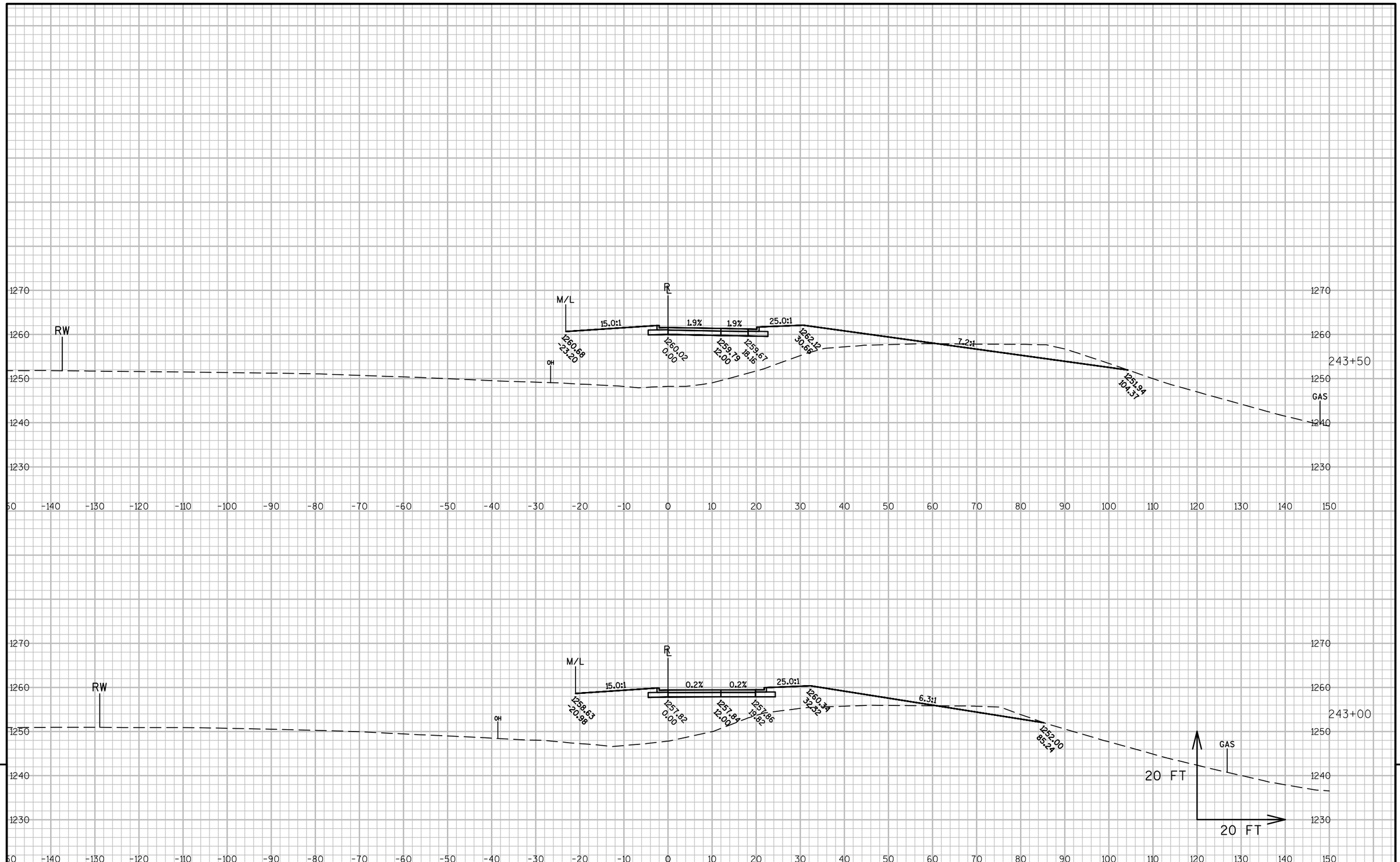

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PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 NB	SHEET	E

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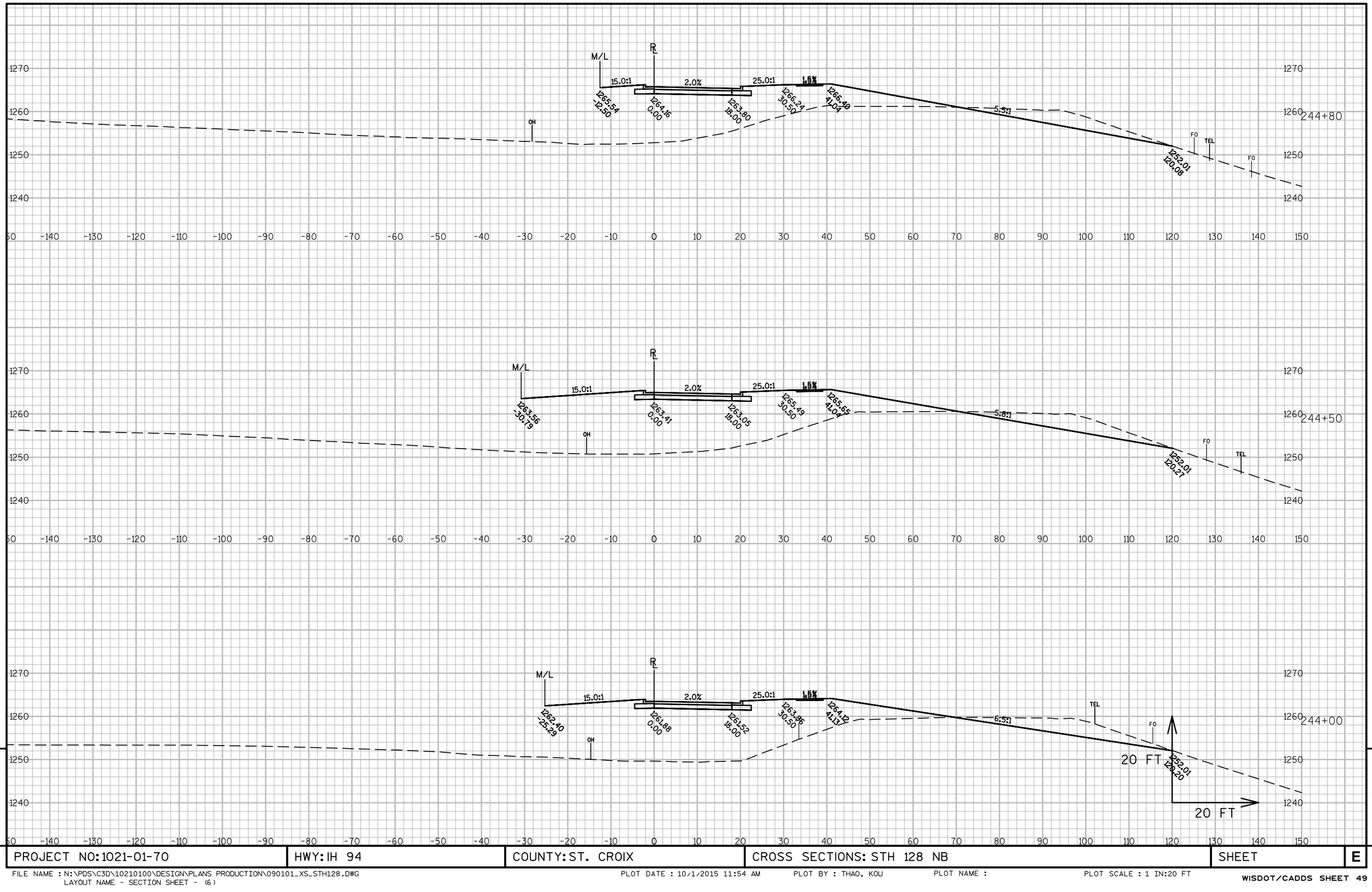

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PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 NB	SHEET	E

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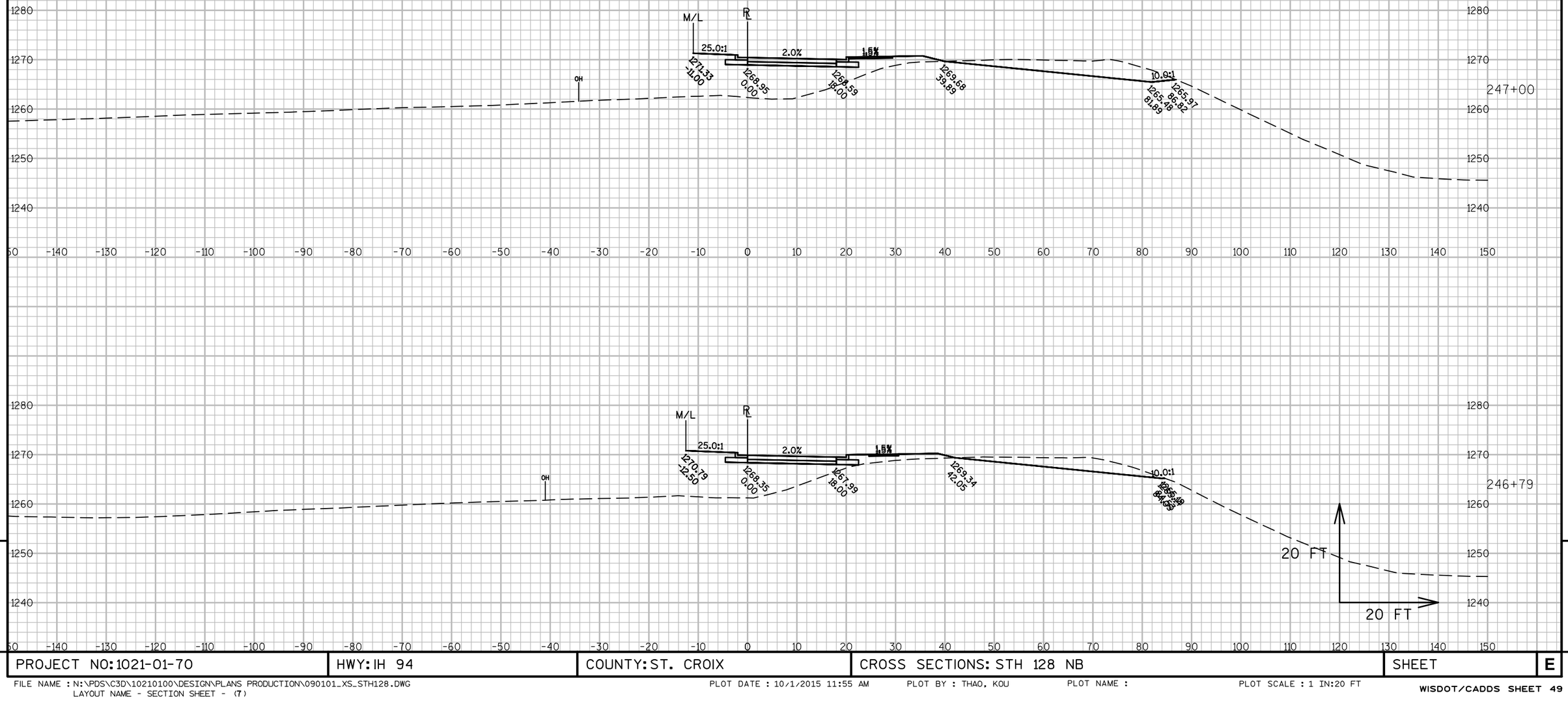

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PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 NB	SHEET	E

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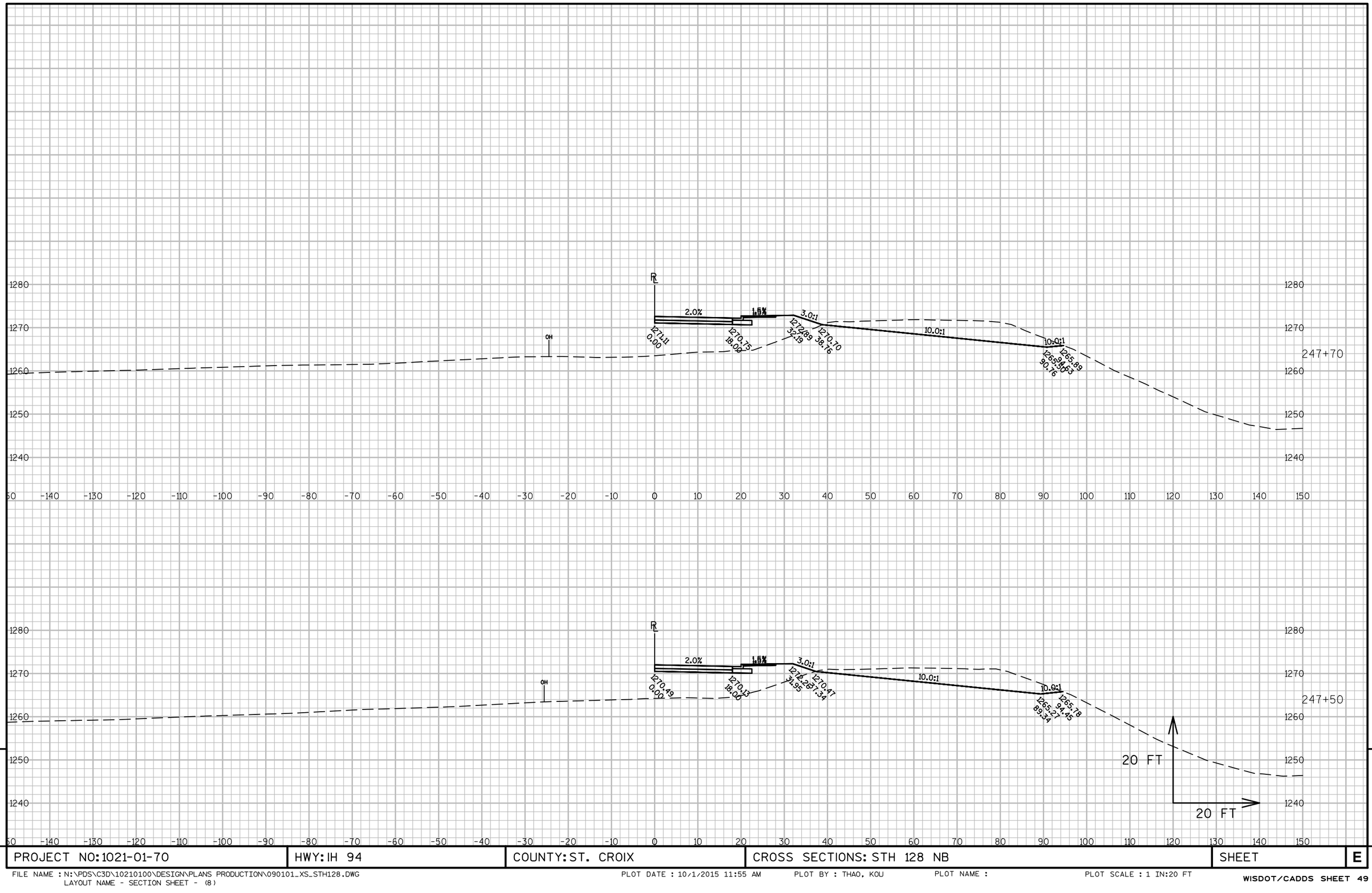

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PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 NB	SHEET	E

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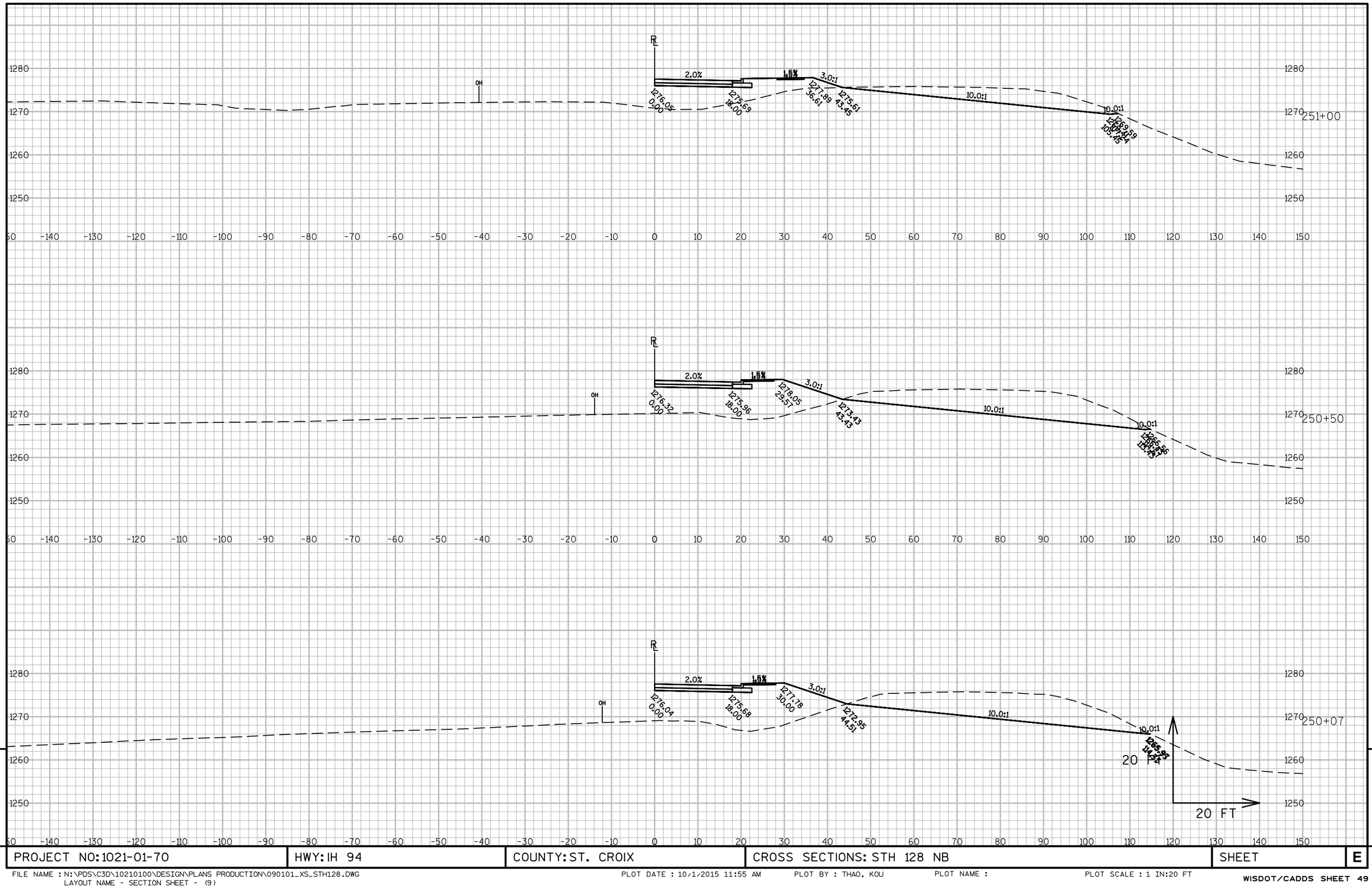

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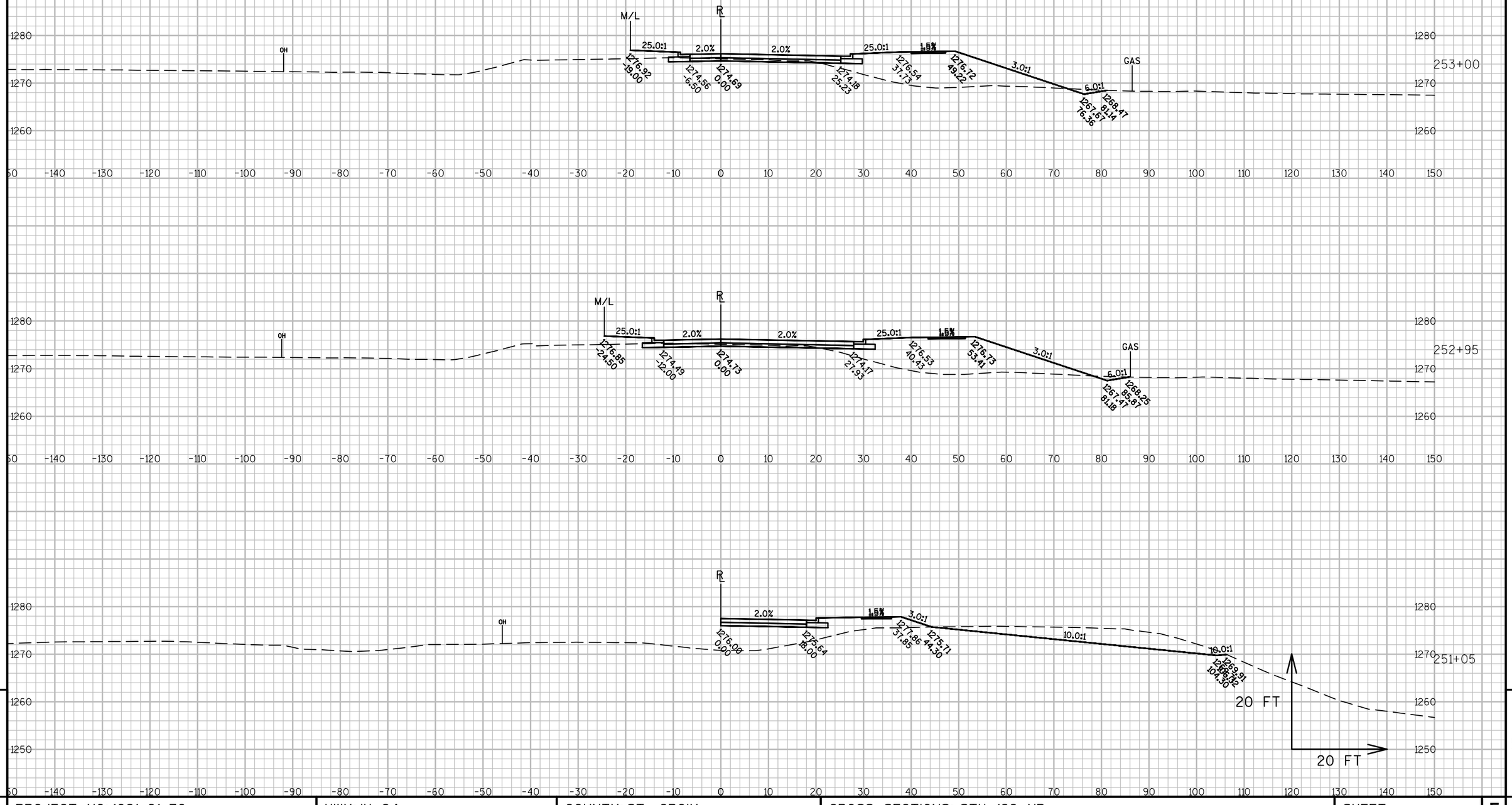
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 NB	SHEET	E



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PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 NB	SHEET	E

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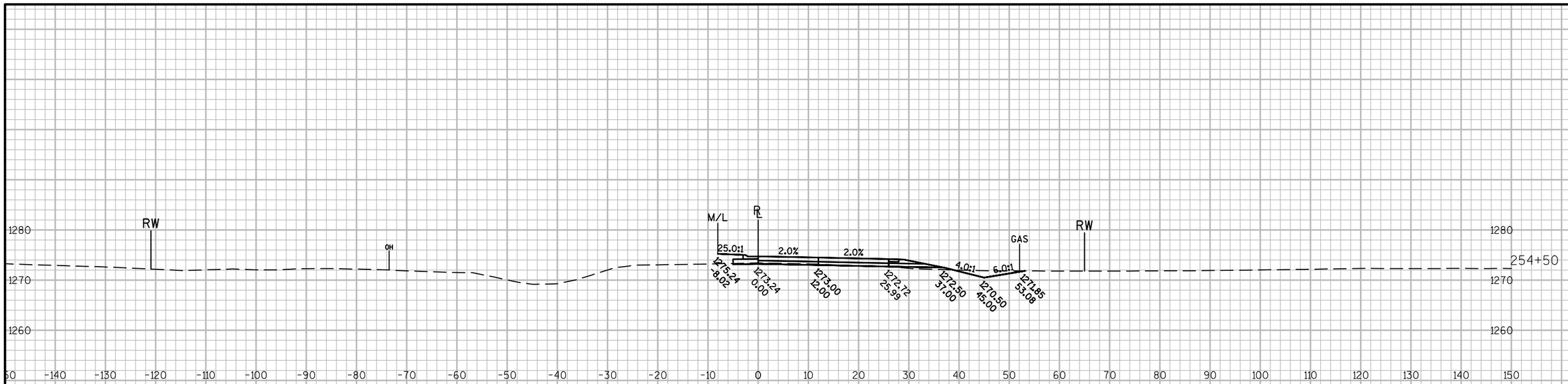

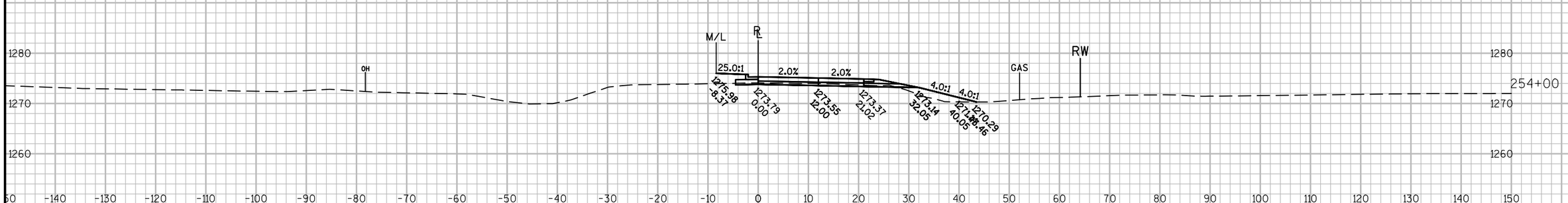

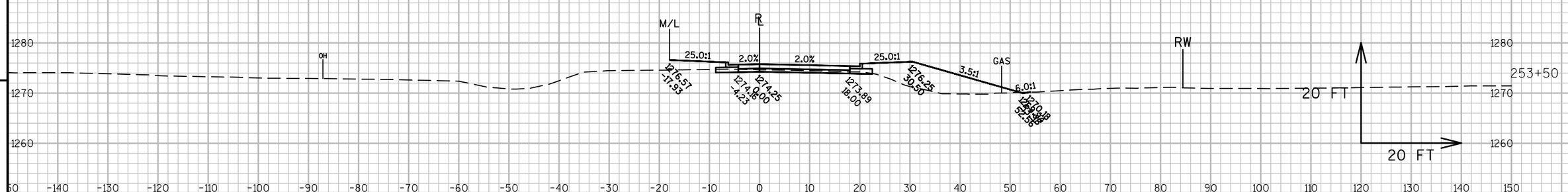

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PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 NB	SHEET	E

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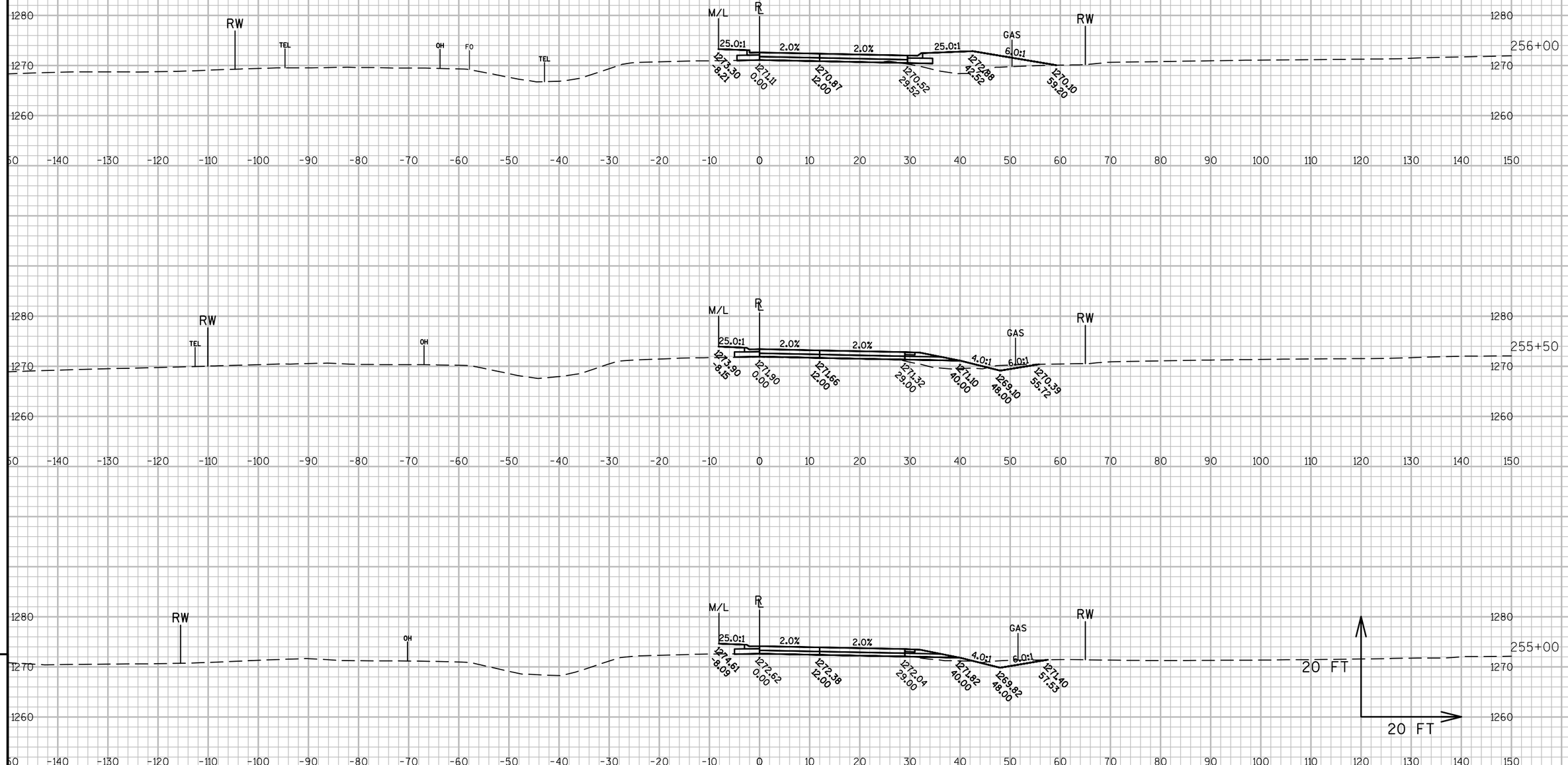

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PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 NB	SHEET	E

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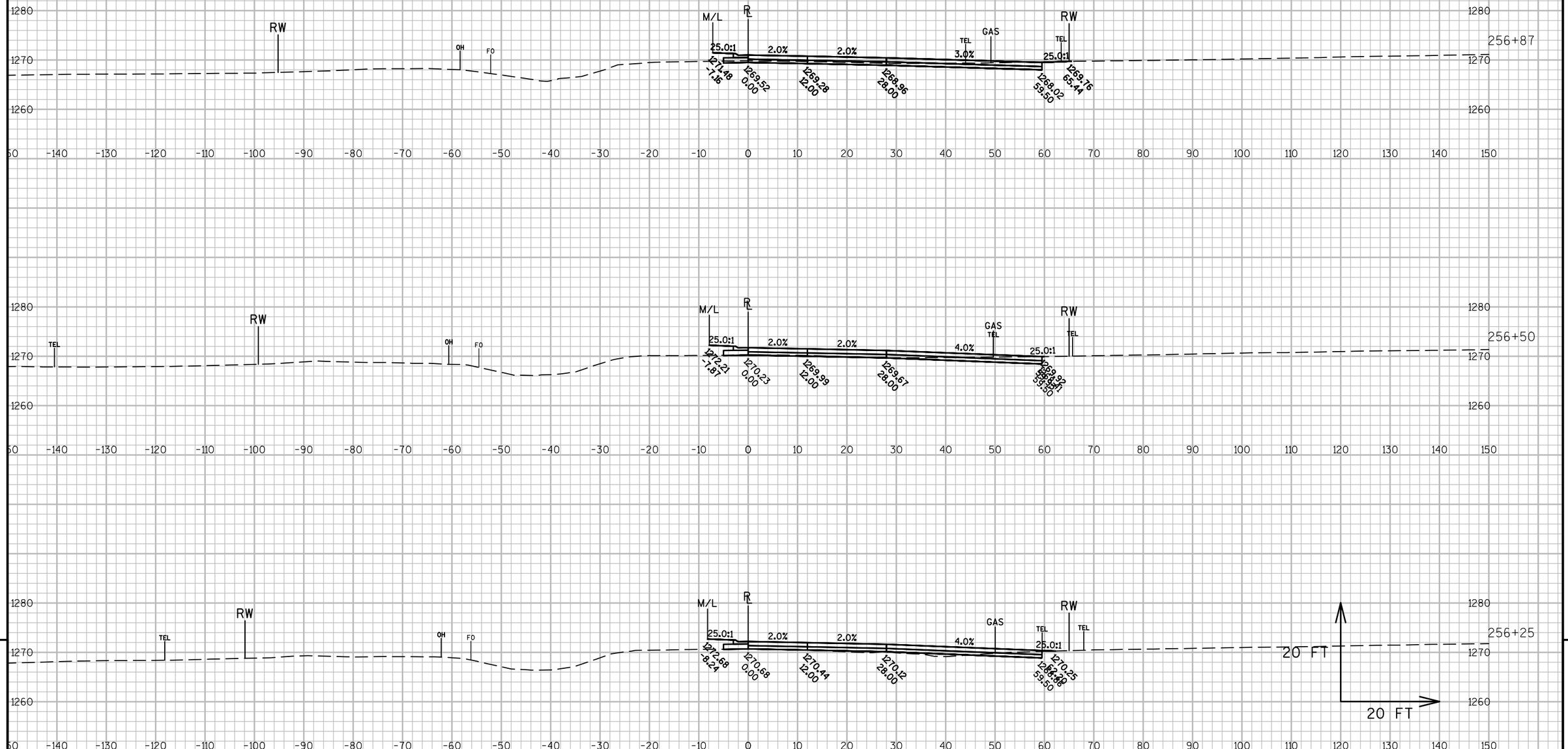

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PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 NB	SHEET	E

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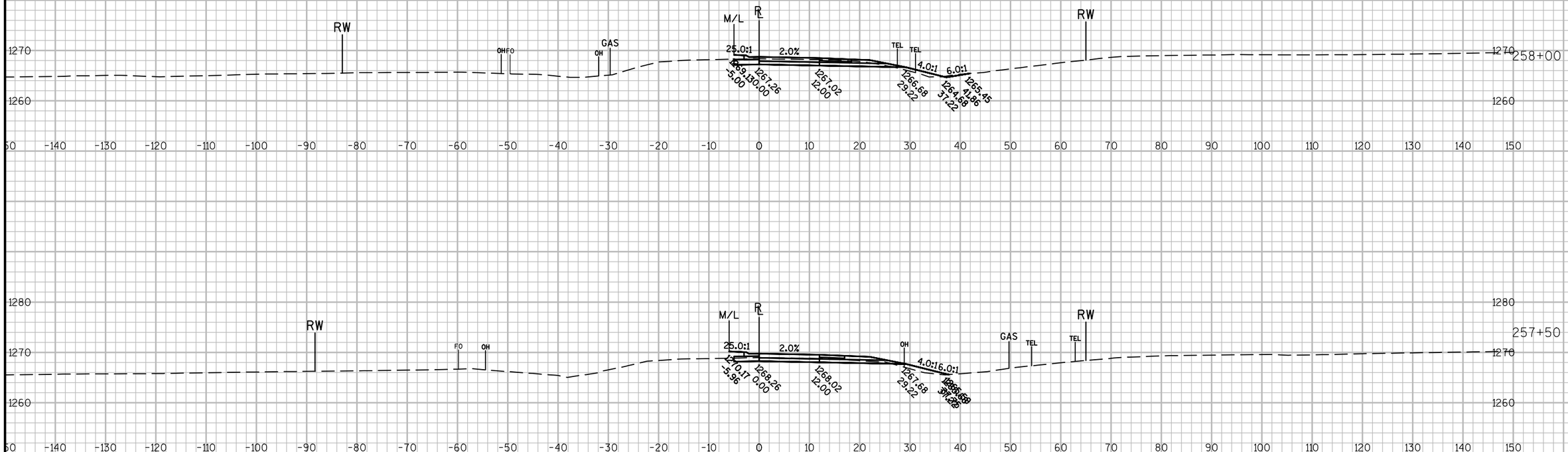

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PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 NB	SHEET	E

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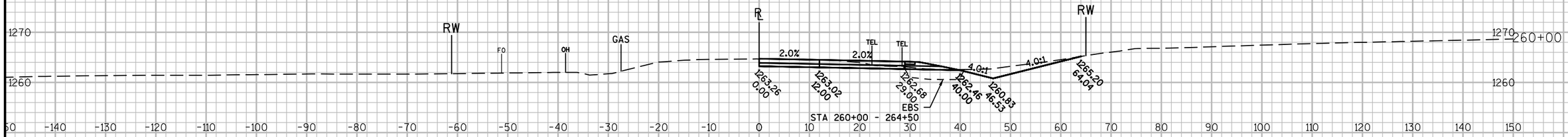

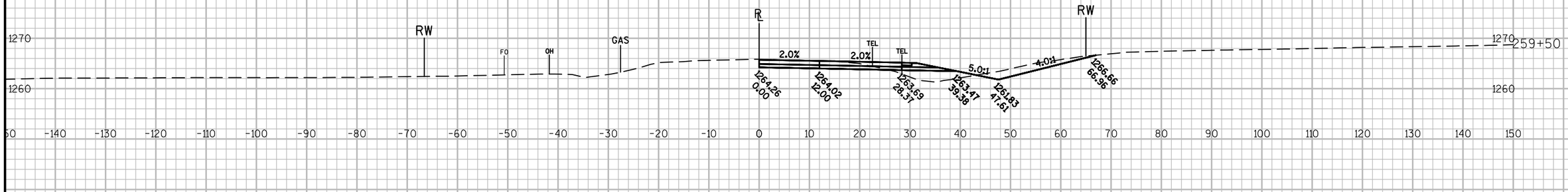

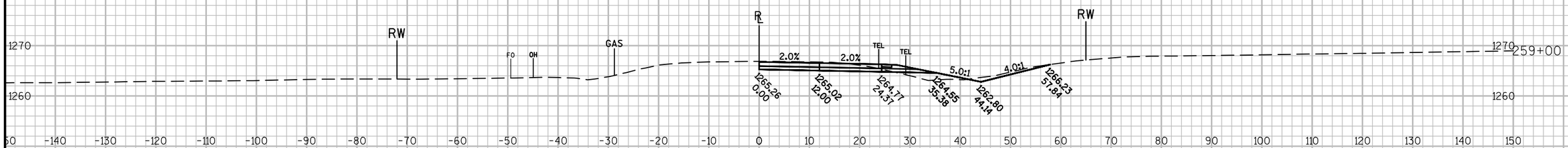

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PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 NB	SHEET	E

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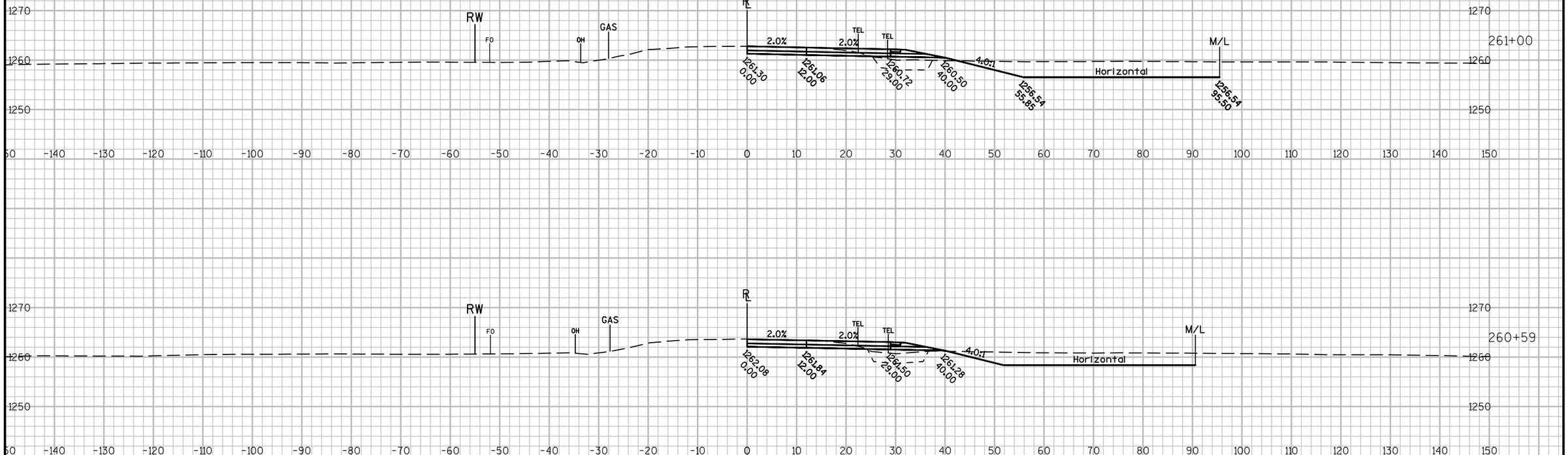

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PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 NB	SHEET	E

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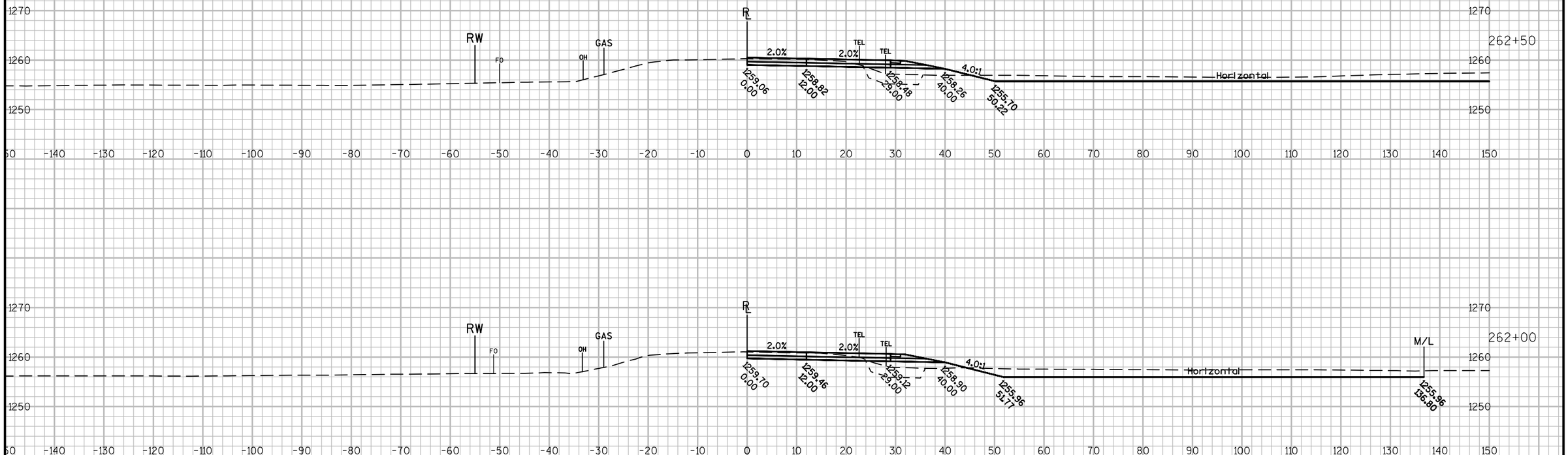
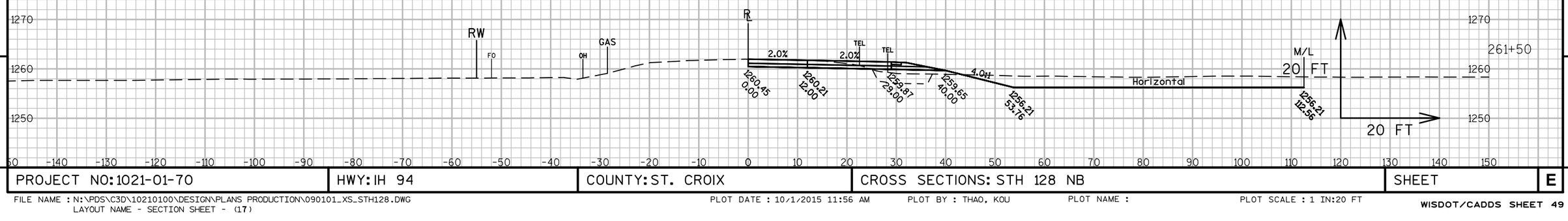
LAYOUT NAME - SECTION SHEET - (16)

PLOT DATE : 10/1/2015 11:56 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT





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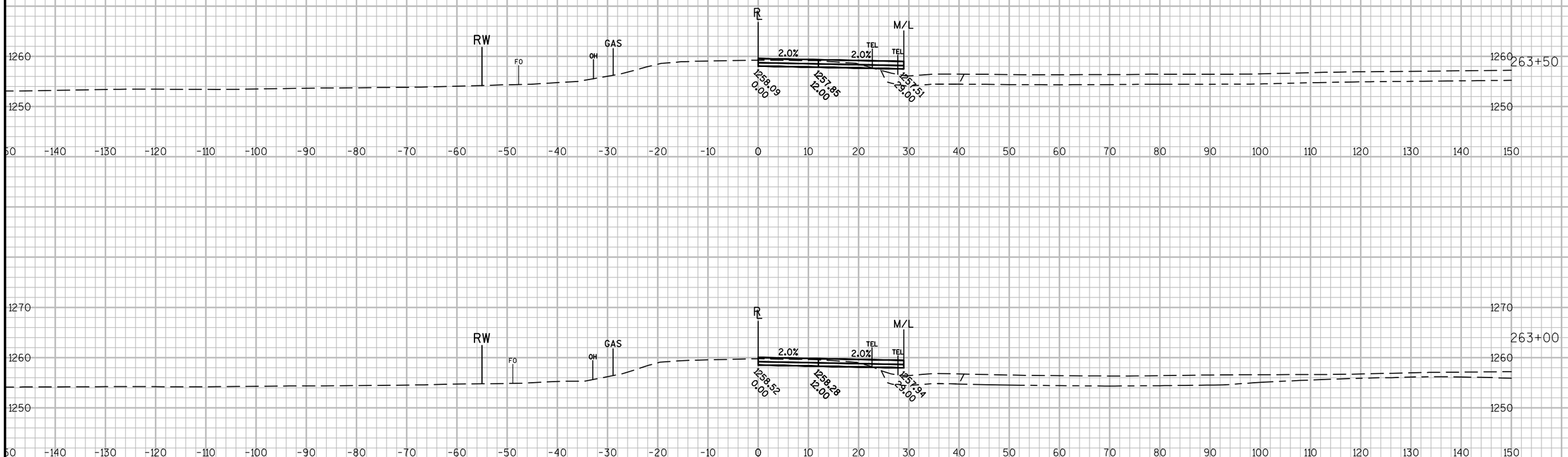
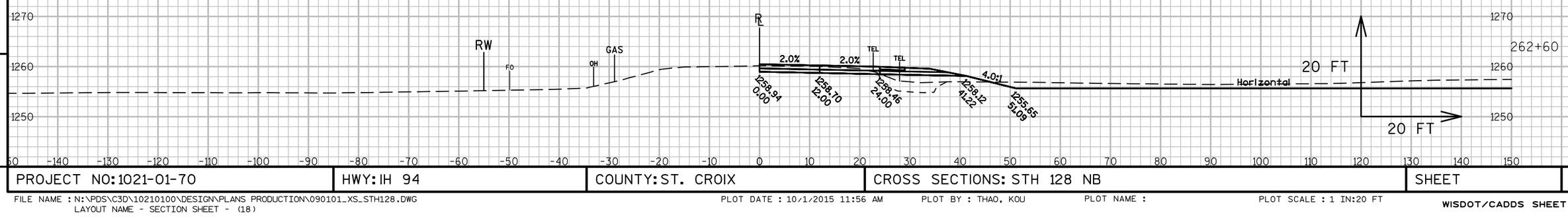
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 NB	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128.DWG
LAYOUT NAME - SECTION SHEET - (17)

PLOT DATE : 10/1/2015 11:56 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT





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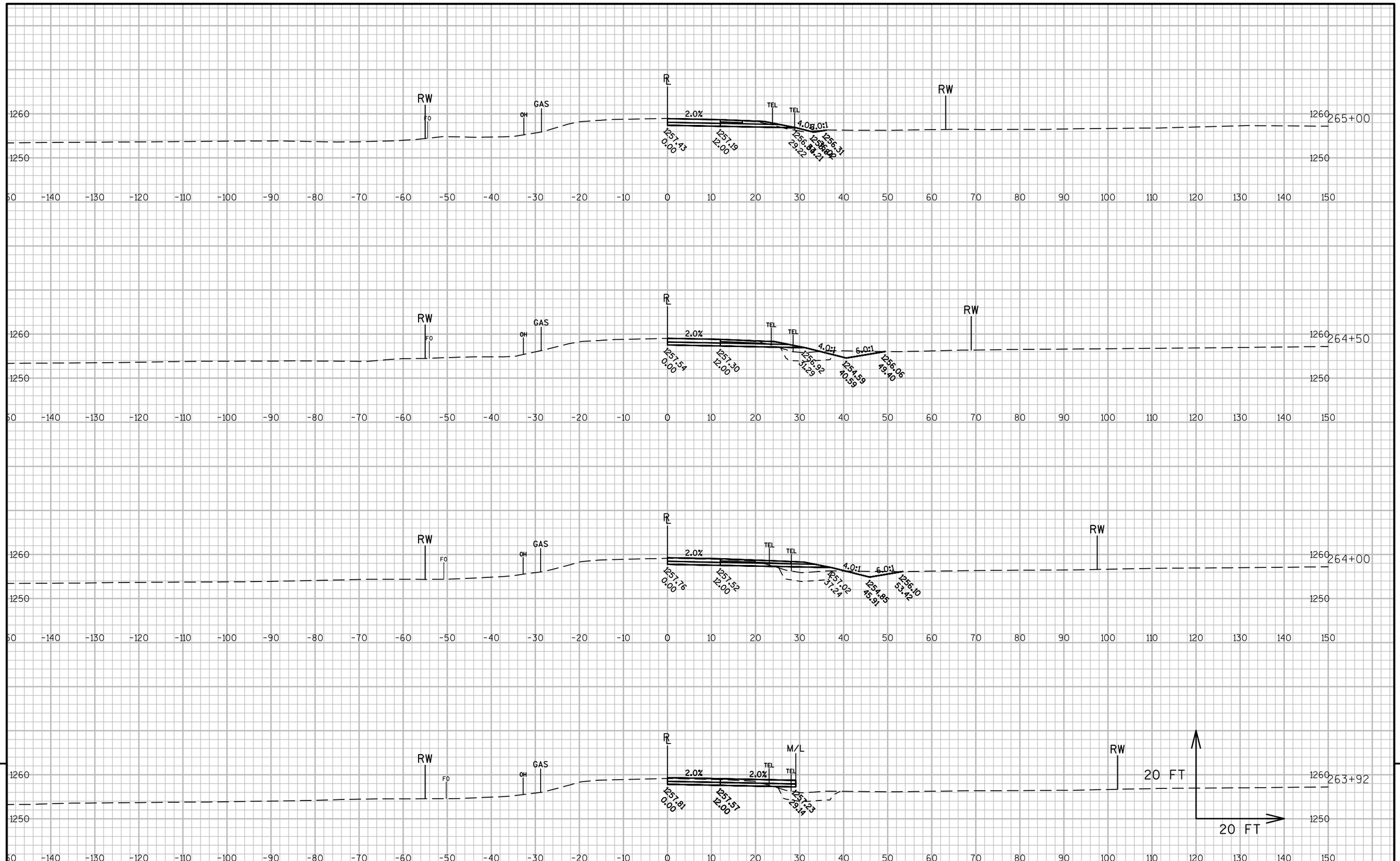
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 NB	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128.DWG
LAYOUT NAME - SECTION SHEET - (18)

PLOT DATE : 10/1/2015 11:56 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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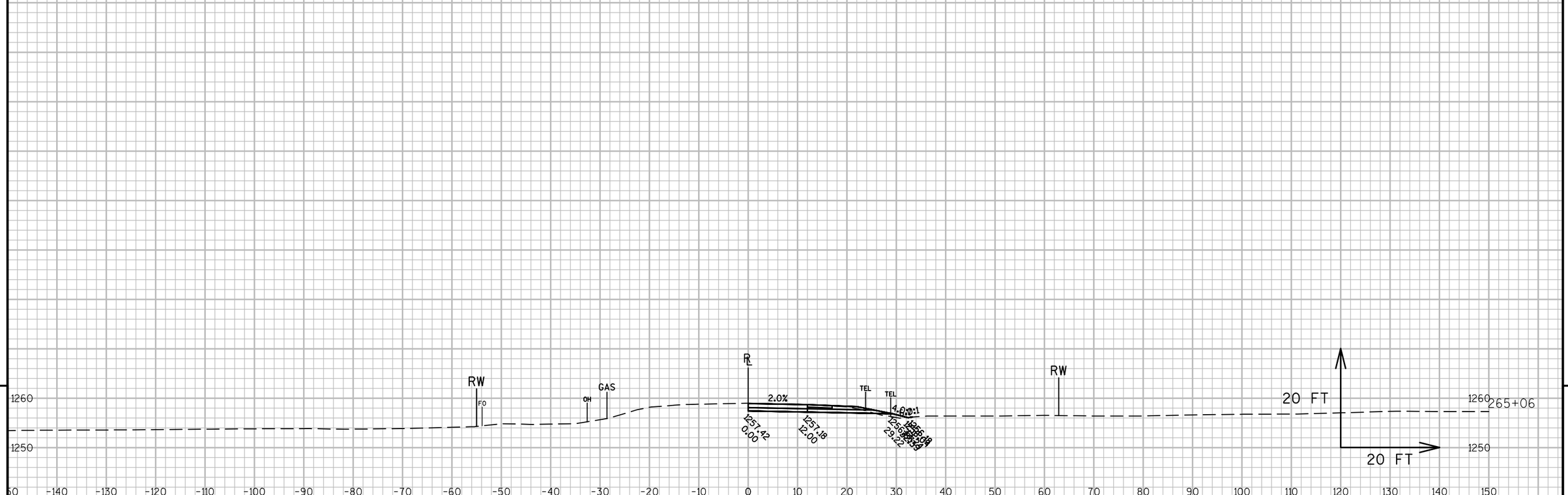
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 NB	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128.DWG
LAYOUT NAME - SECTION SHEET - (19)

PLOT DATE : 10/1/2015 11:57 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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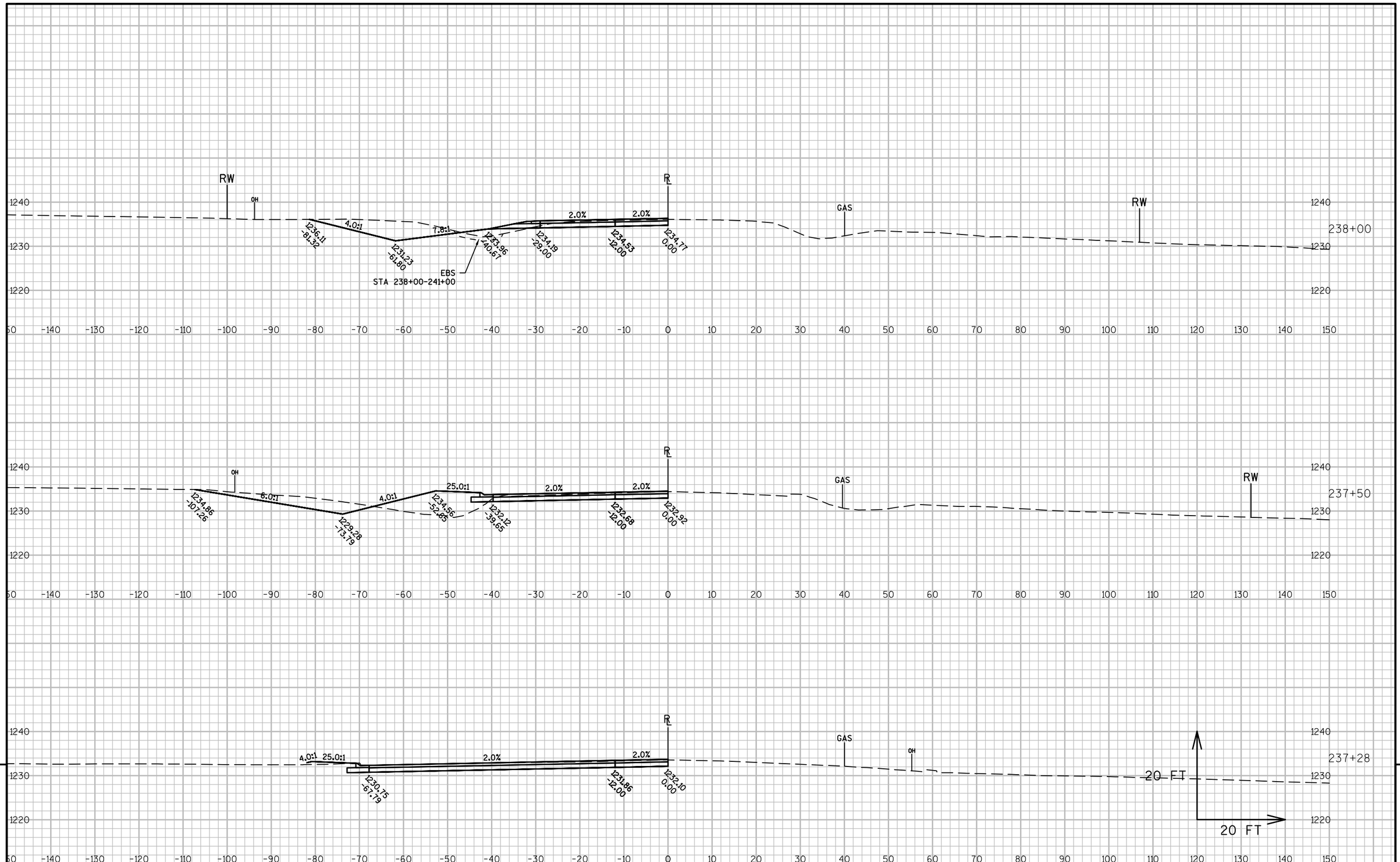
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 NB	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128.DWG
LAYOUT NAME - SECTION SHEET - (20)

PLOT DATE : 10/1/2015 11:57 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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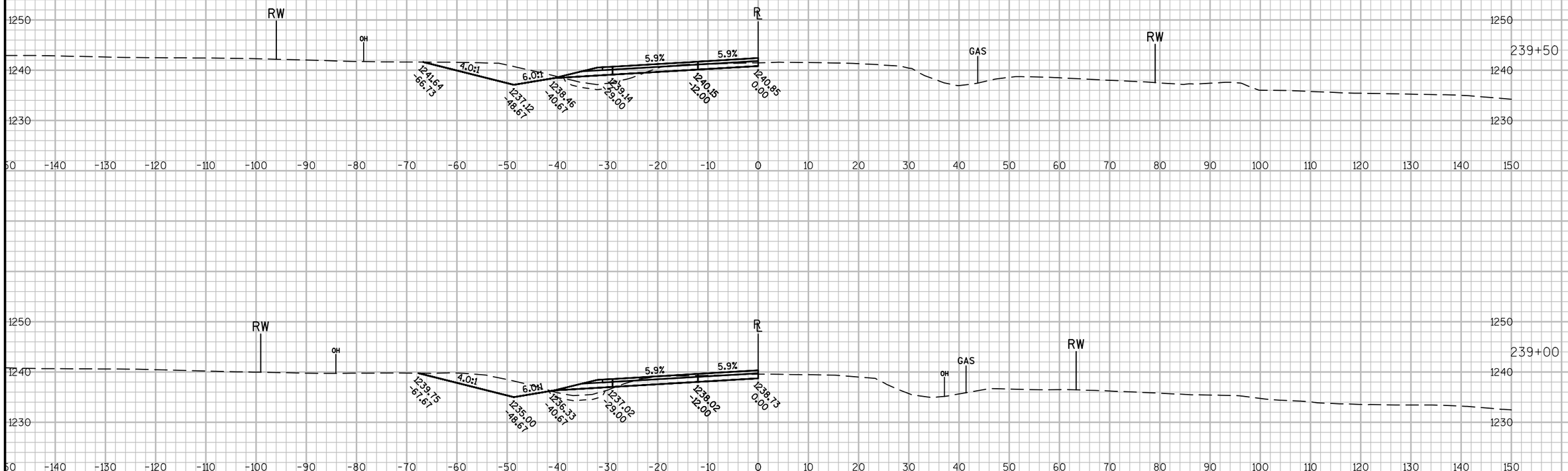
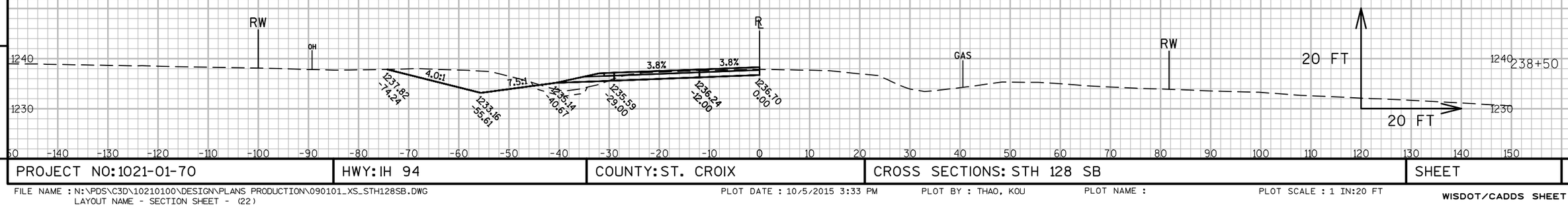
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 SB	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128SB.DWG
LAYOUT NAME - SECTION SHEET - (21)

PLOT DATE : 10/5/2015 3:33 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT





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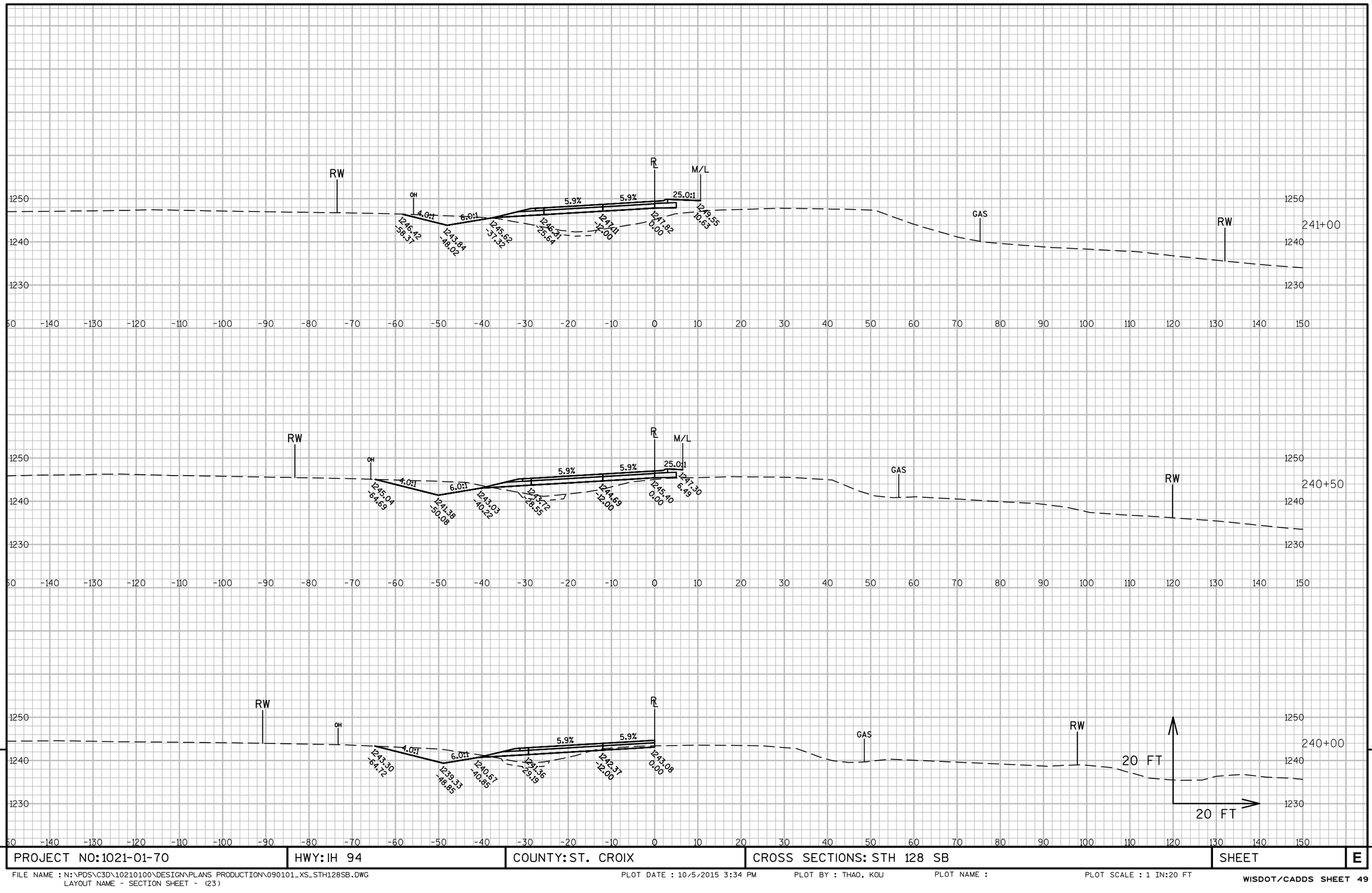
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 SB	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128SB.DWG
LAYOUT NAME - SECTION SHEET - (22)

PLOT DATE : 10/5/2015 3:33 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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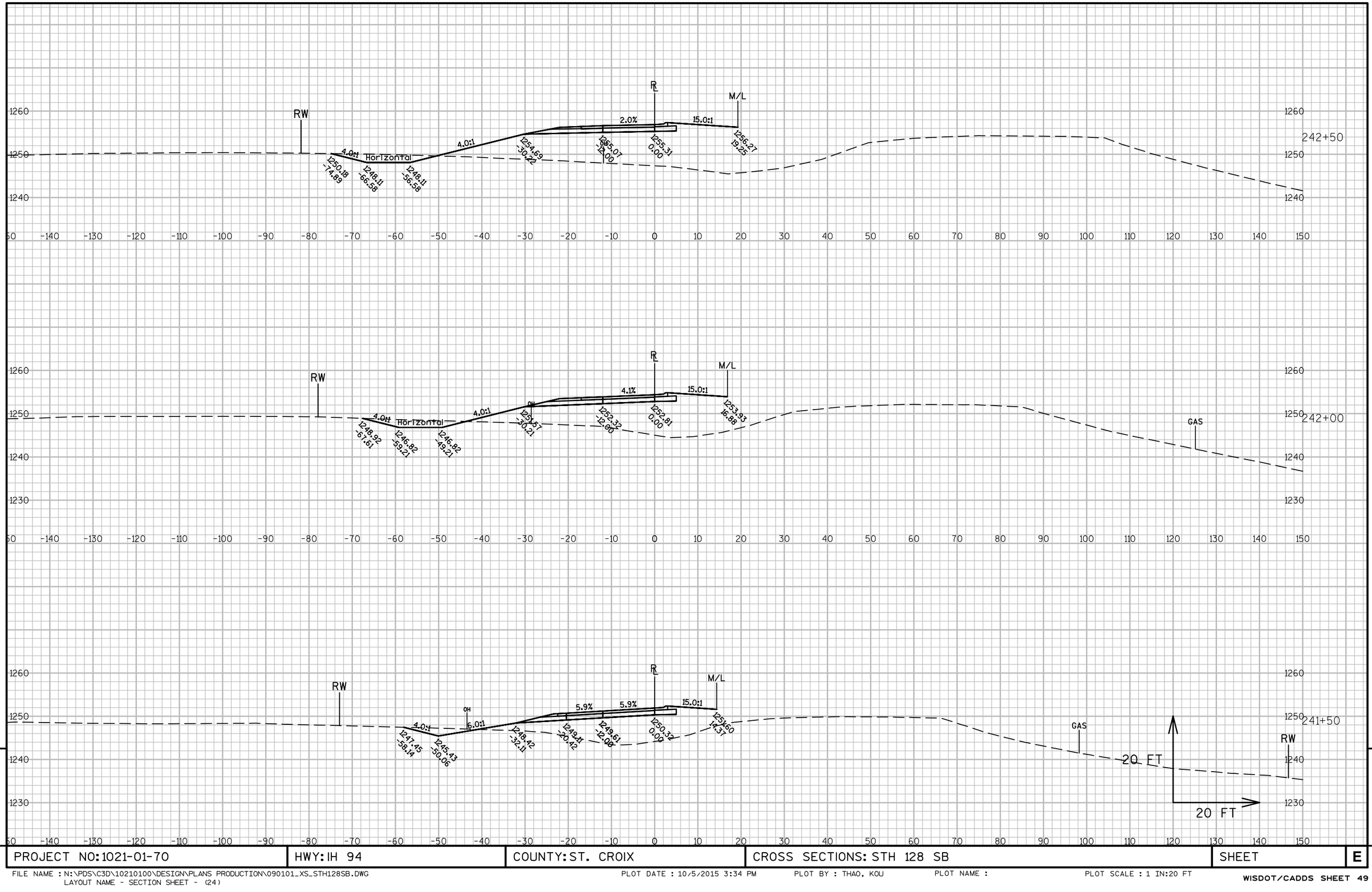
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 SB	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128SB.DWG
LAYOUT NAME - SECTION SHEET - (23)

PLOT DATE : 10/5/2015 3:34 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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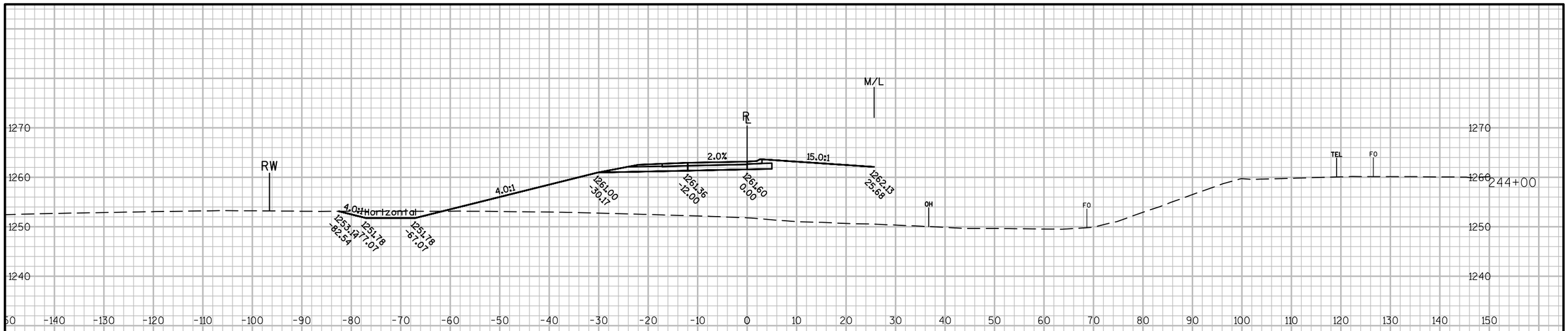
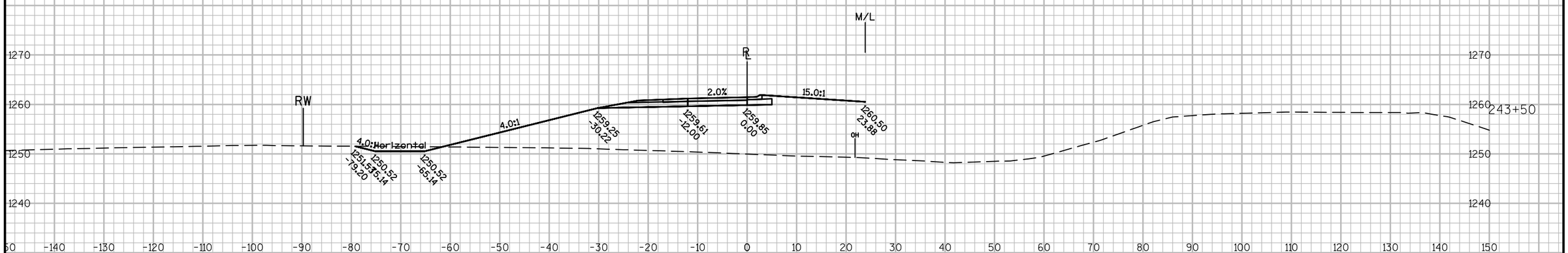
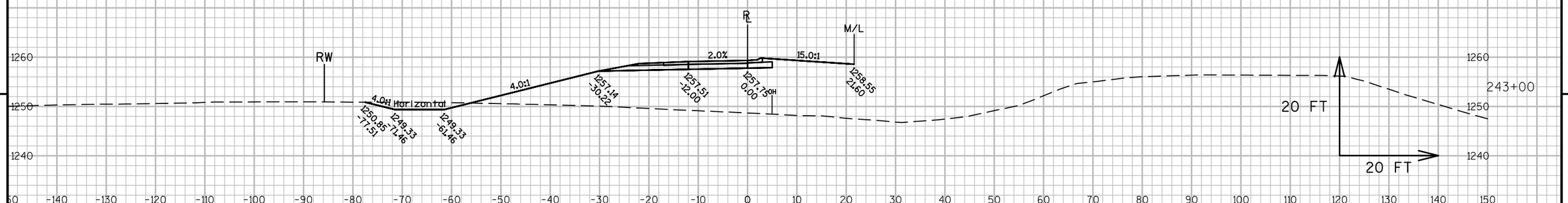
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 SB	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128SB.DWG
LAYOUT NAME - SECTION SHEET - (24)

PLOT DATE : 10/5/2015 3:34 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT







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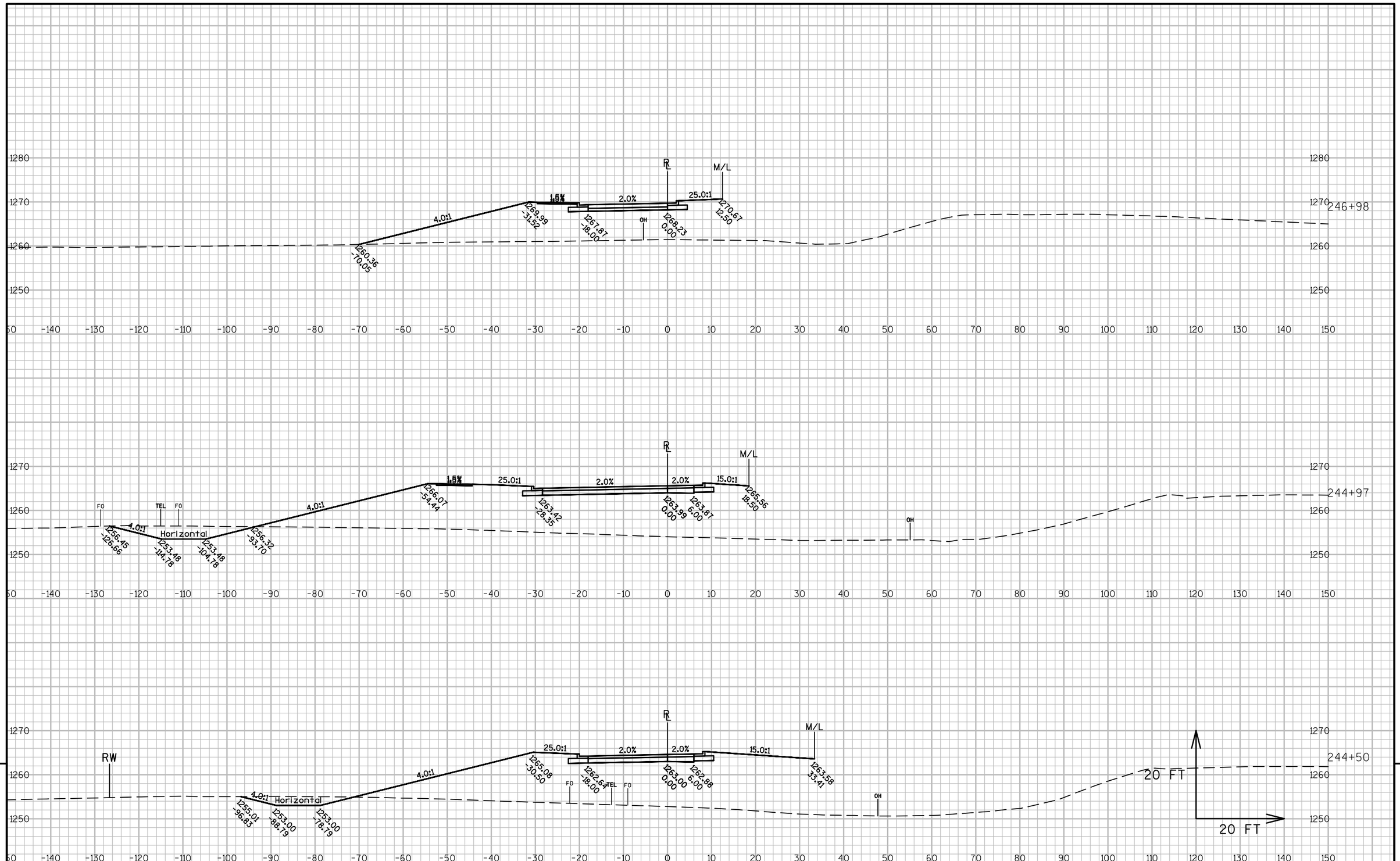
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 SB	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128SB.DWG
LAYOUT NAME - SECTION SHEET - (25)

PLOT DATE : 10/5/2015 3:34 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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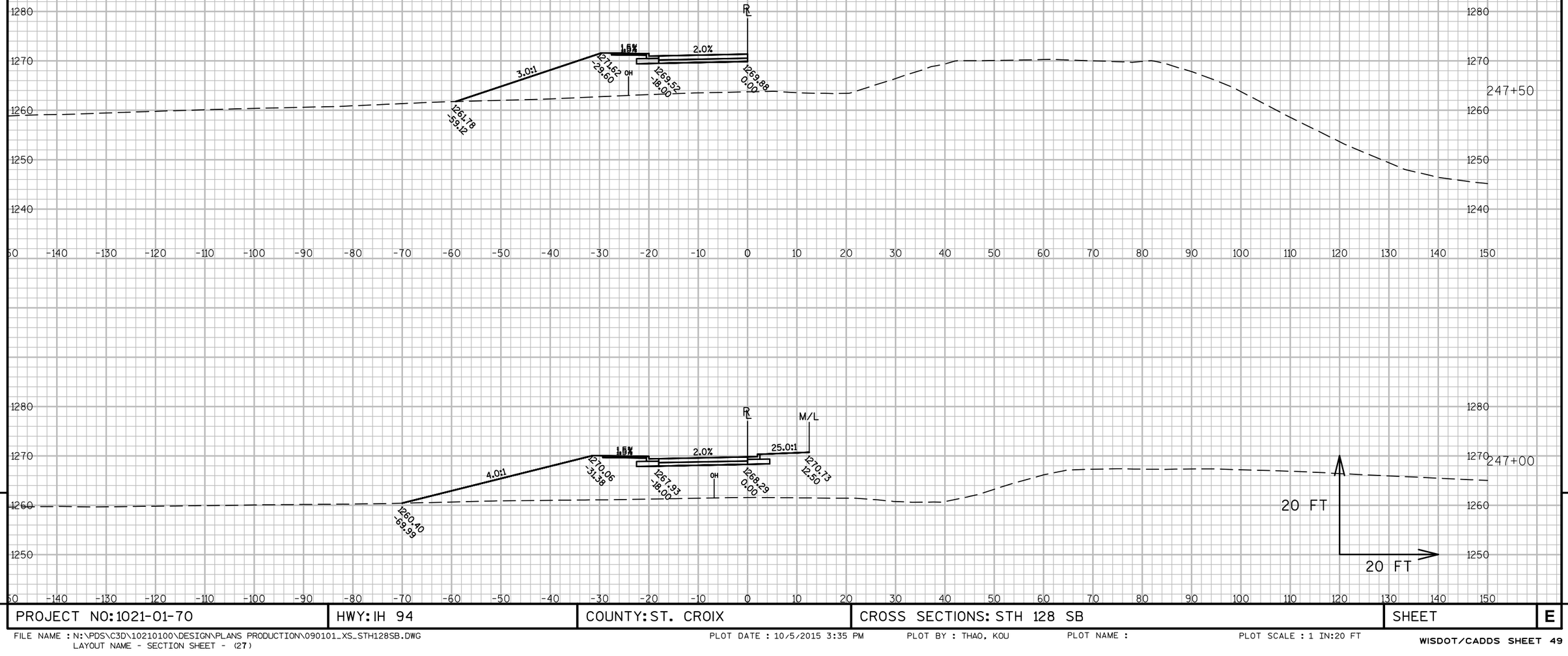
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 SB	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128SB.DWG
LAYOUT NAME - SECTION SHEET - (26)

PLOT DATE : 10/5/2015 3:34 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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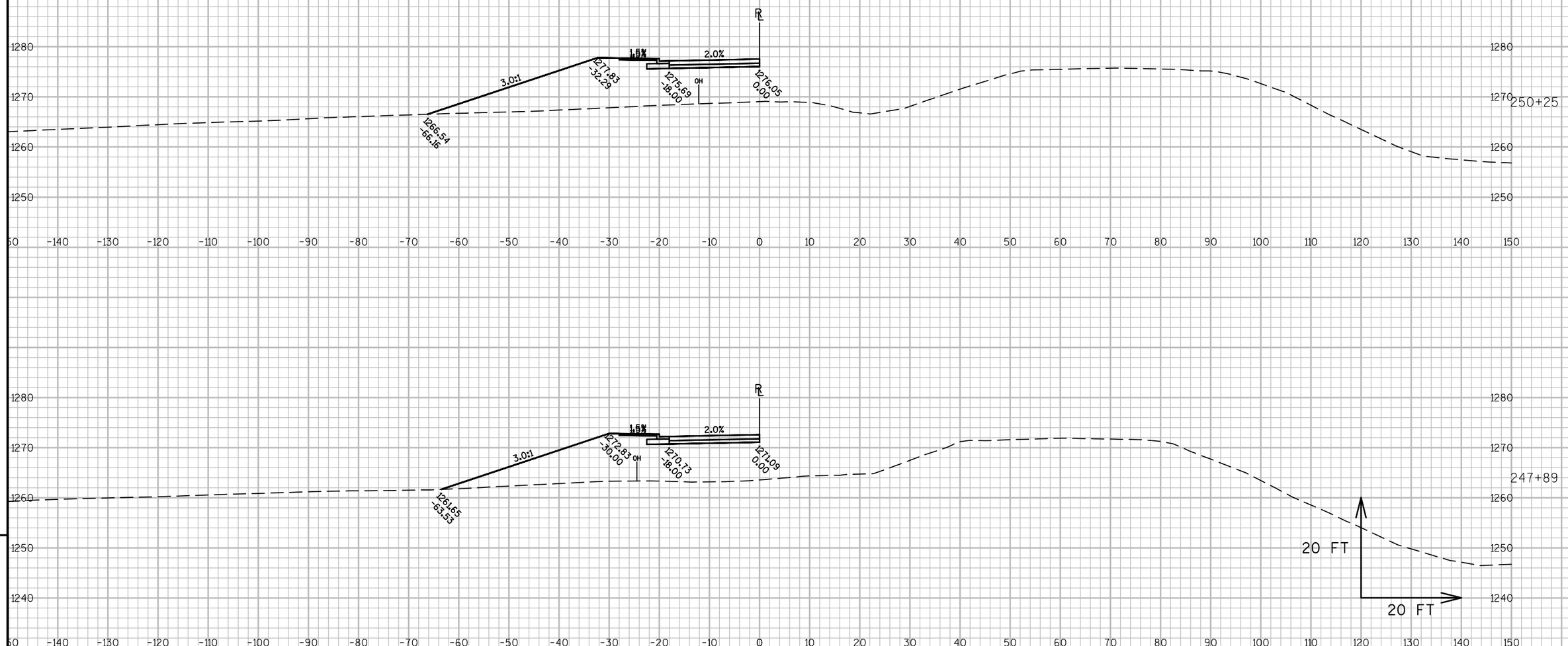
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 SB	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128SB.DWG
LAYOUT NAME - SECTION SHEET - (27)

PLOT DATE : 10/5/2015 3:35 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 SB	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128SB.DWG
LAYOUT NAME - SECTION SHEET - (28)

PLOT DATE : 10/5/2015 3:35 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT

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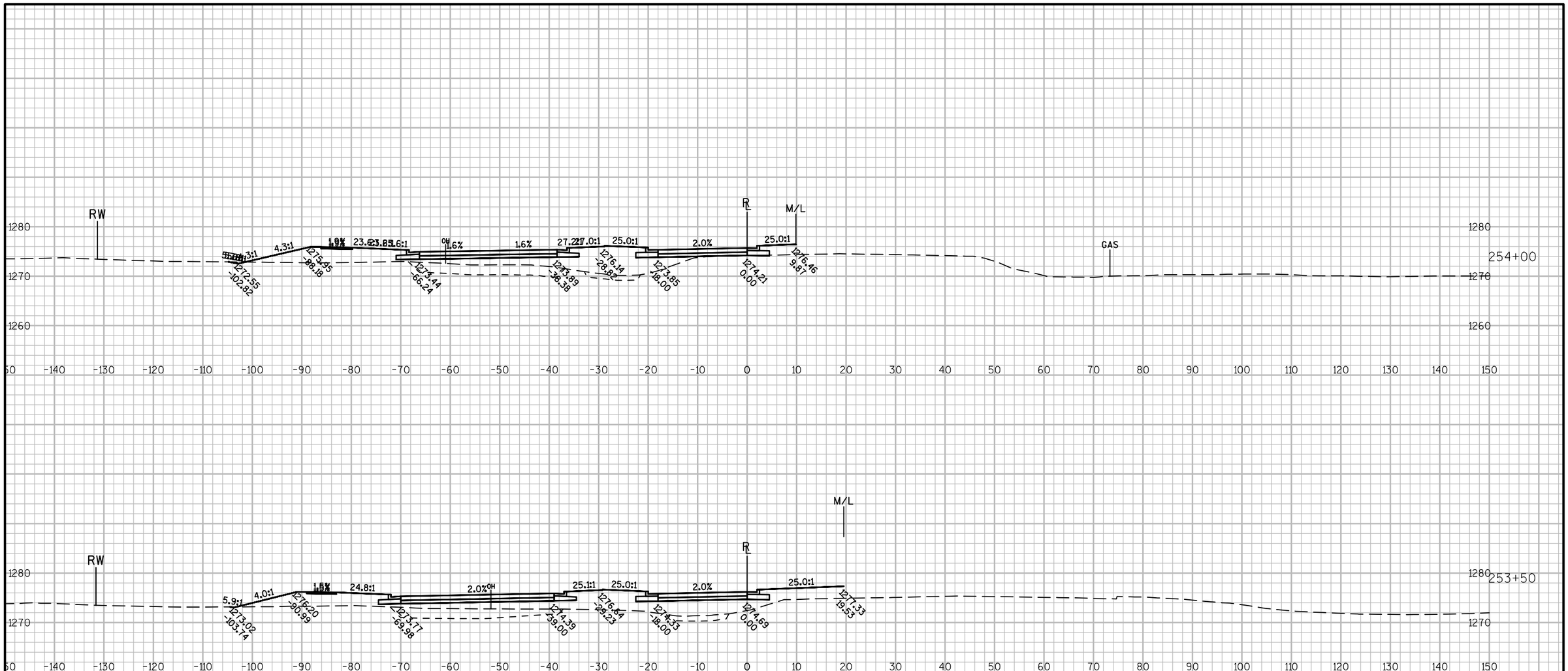
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 SB	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128SB.DWG
LAYOUT NAME - SECTION SHEET - (29)

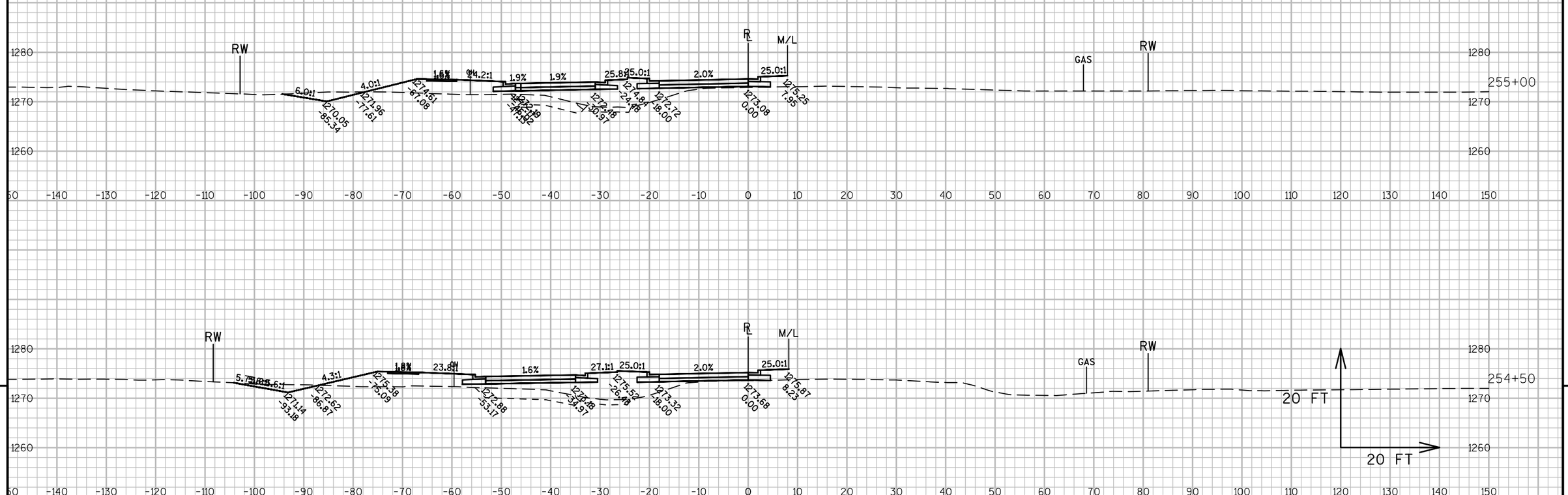
PLOT DATE : 10/5/2015 3:35 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 SB	SHEET E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128SB.DWG
LAYOUT NAME - SECTION SHEET - (30)

PLOT DATE : 10/5/2015 3:35 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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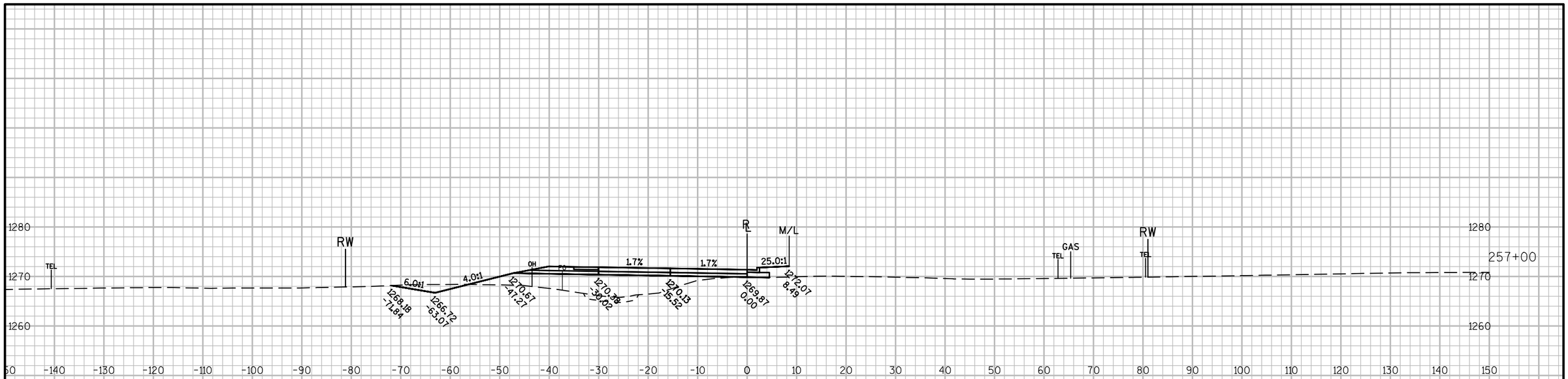
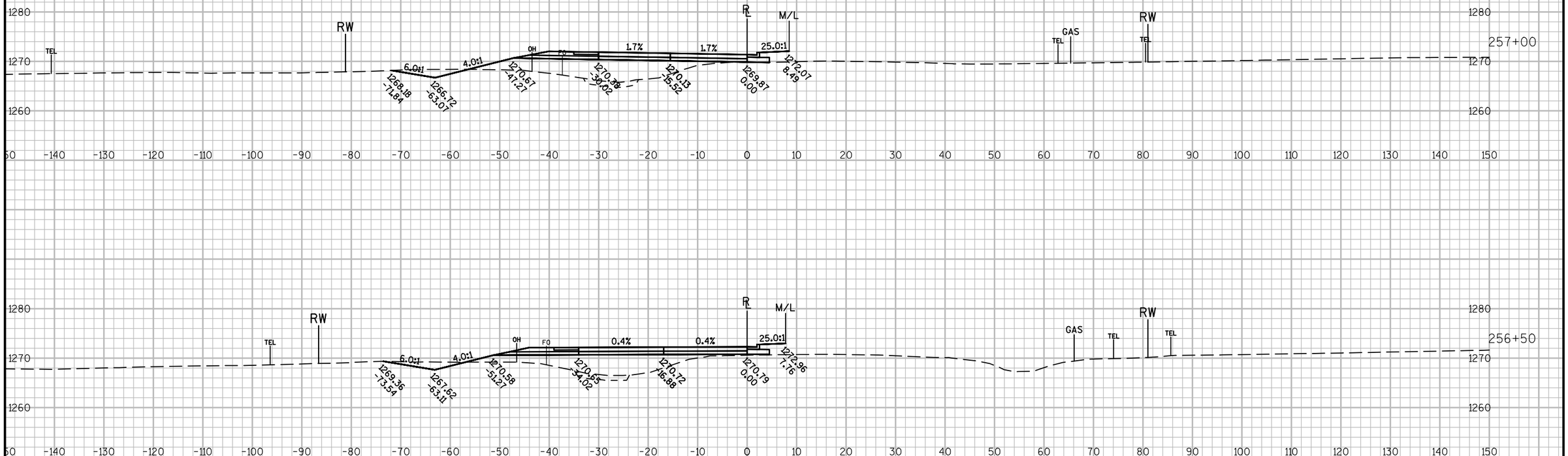
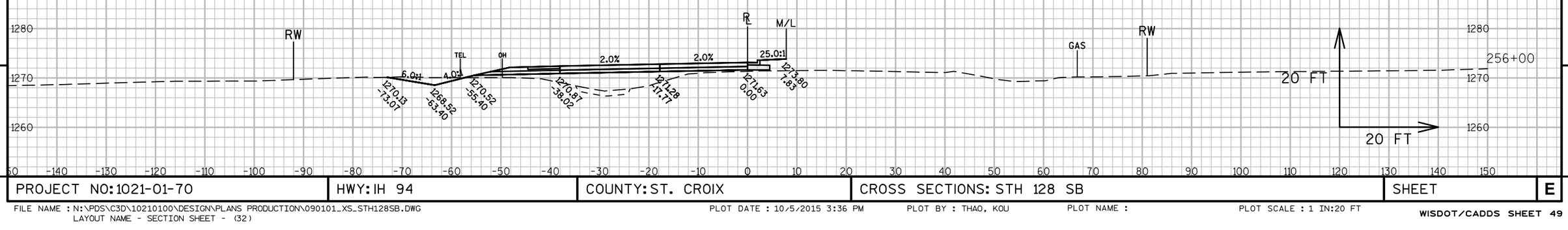
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 SB	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128SB.DWG
LAYOUT NAME - SECTION SHEET - (31)

PLOT DATE : 10/5/2015 3:35 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT







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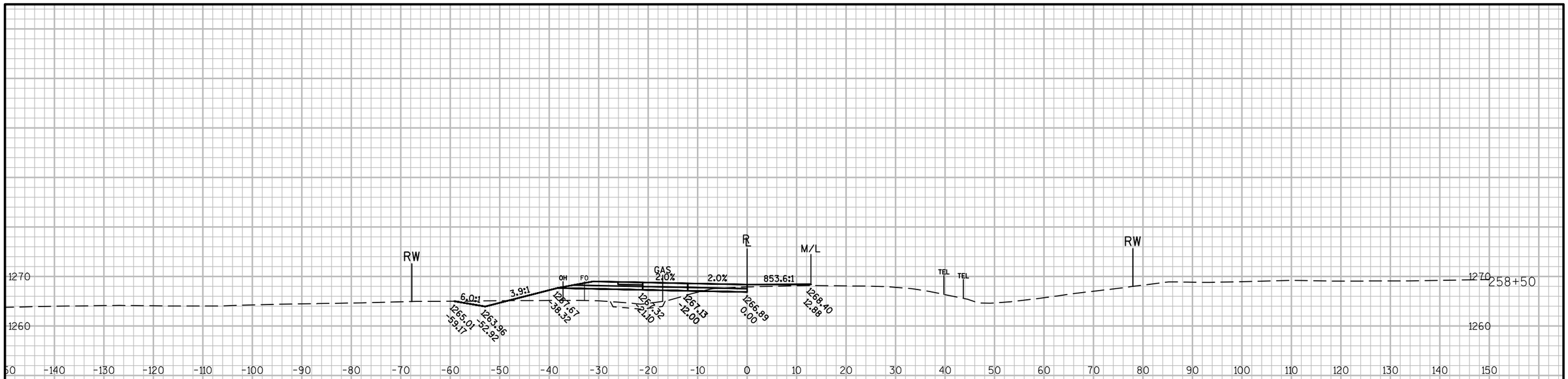
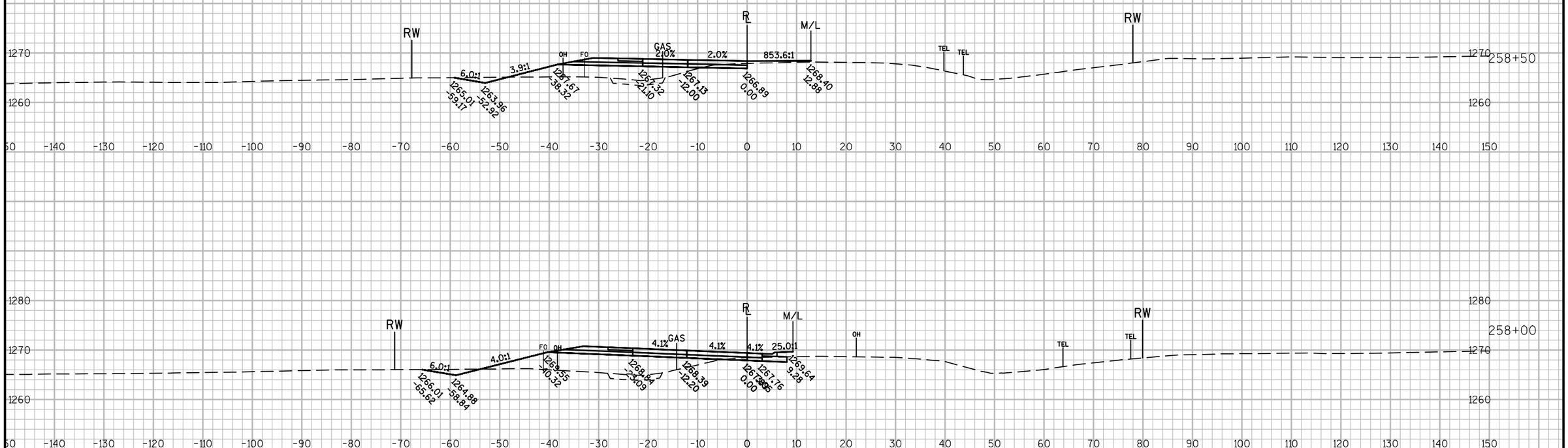
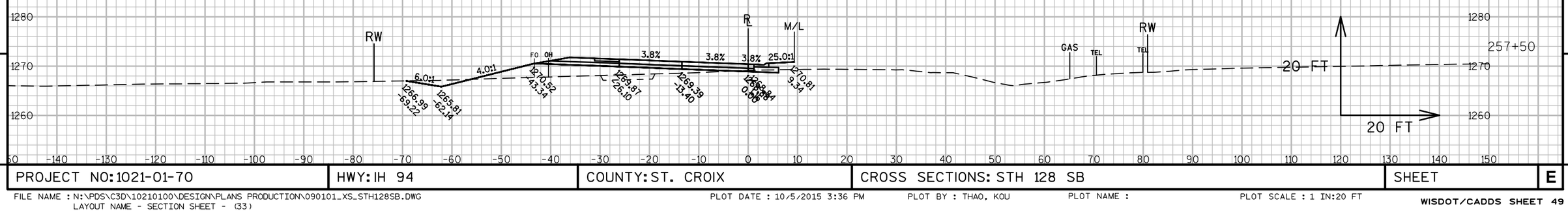
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 SB	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128SB.DWG
LAYOUT NAME - SECTION SHEET - (32)

PLOT DATE : 10/5/2015 3:36 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT







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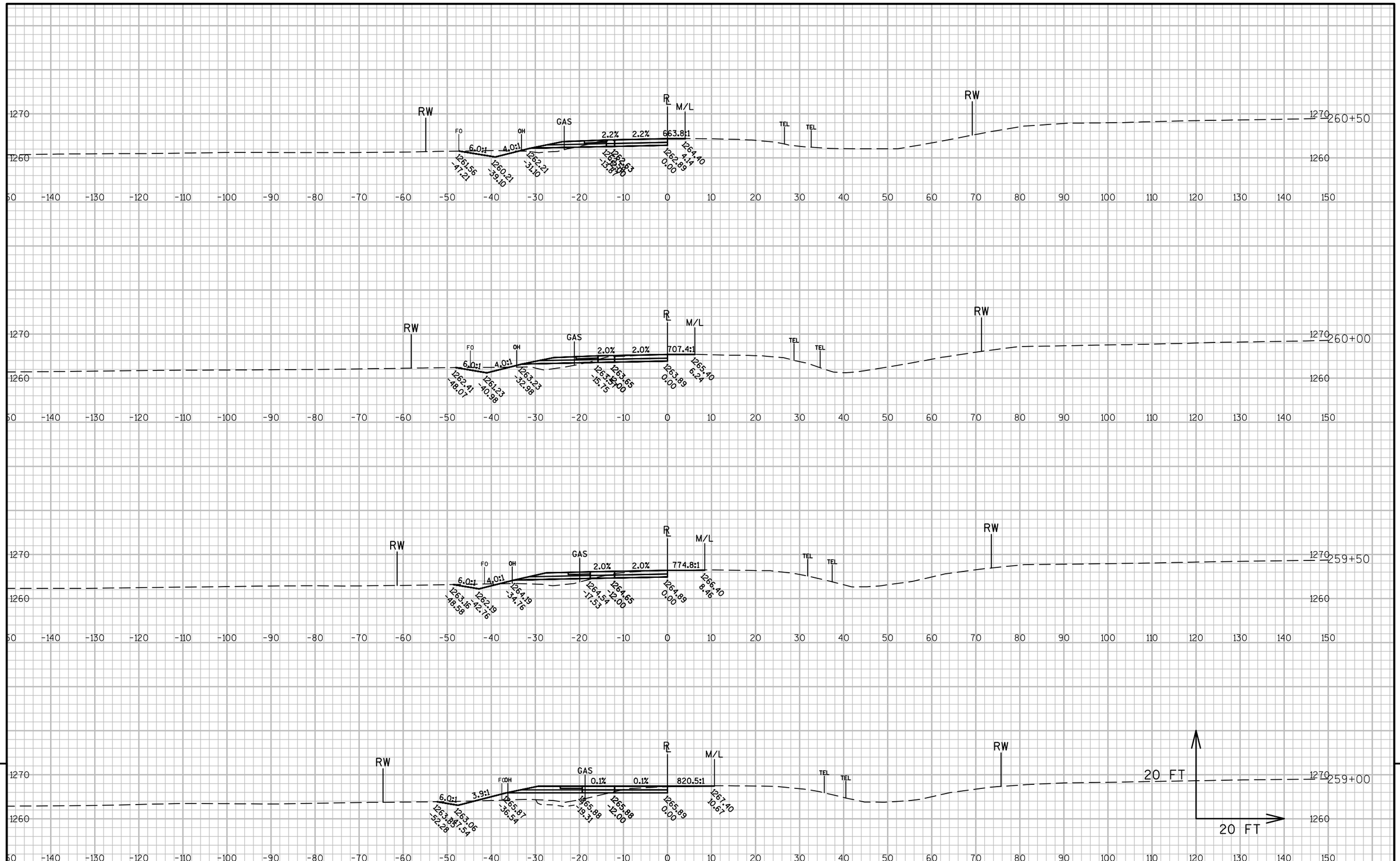
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 SB	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128SB.DWG
LAYOUT NAME - SECTION SHEET - (33)

PLOT DATE : 10/5/2015 3:36 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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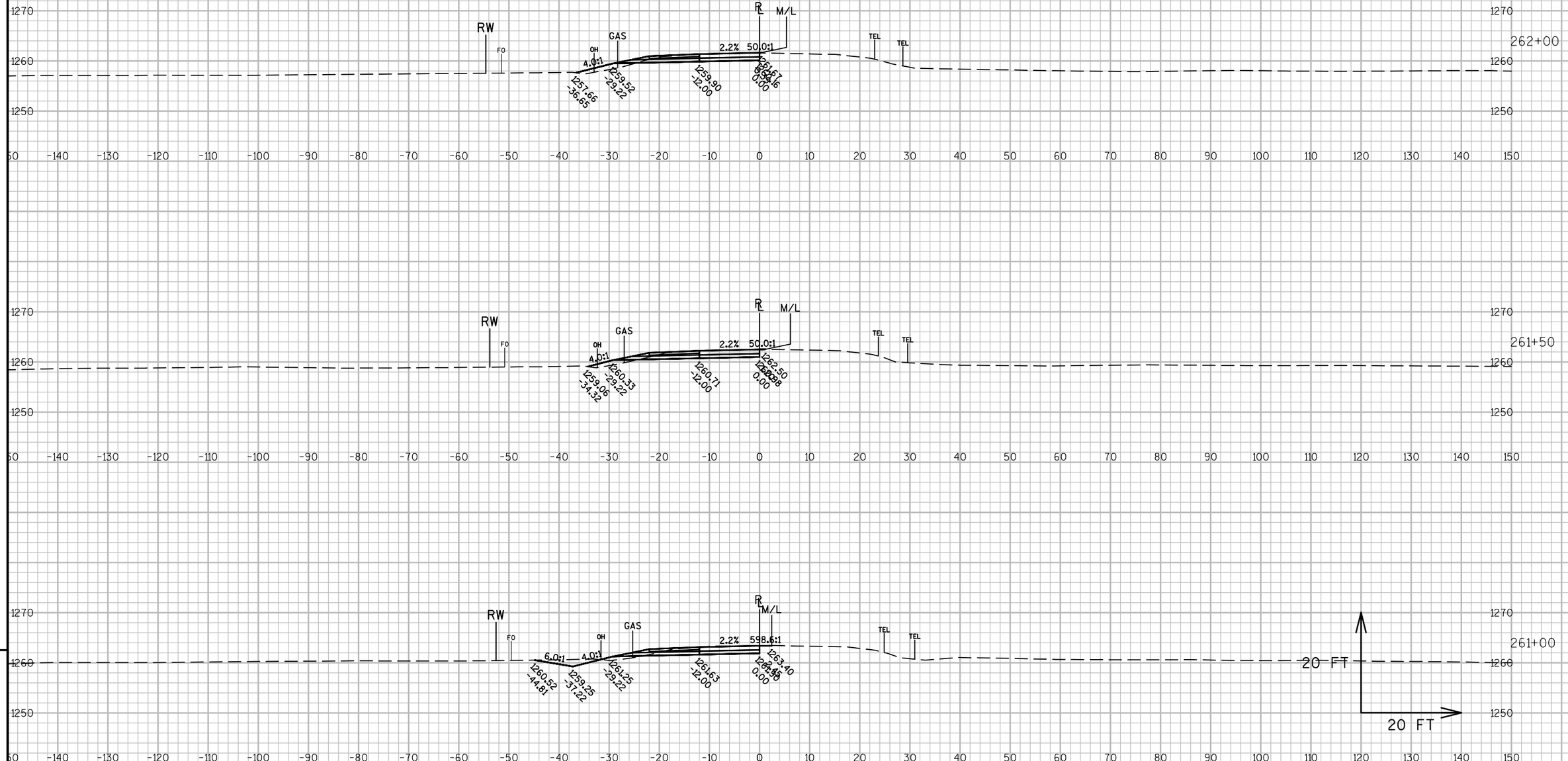
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 SB	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128SB.DWG
LAYOUT NAME - SECTION SHEET - (34)

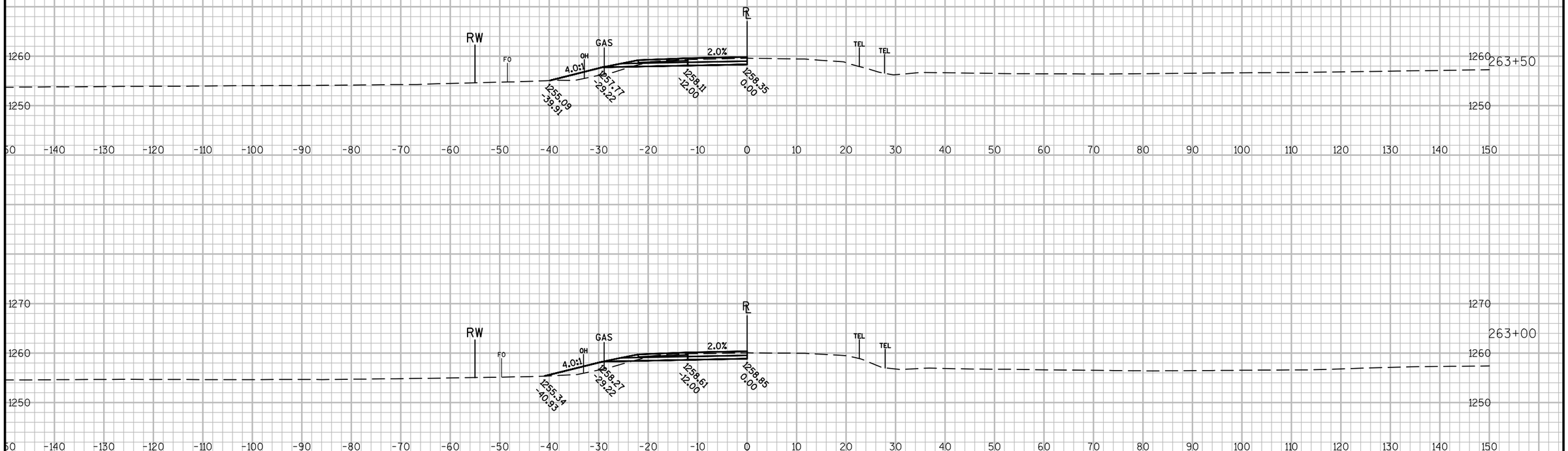
PLOT DATE : 10/5/2015 3:36 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT

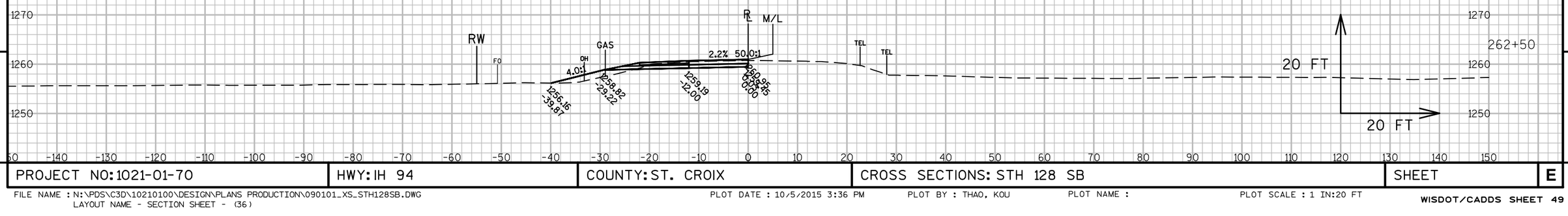


PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 SB	SHEET E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128SB.DWG
LAYOUT NAME - SECTION SHEET - (35)

PLOT DATE : 10/5/2015 3:36 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT





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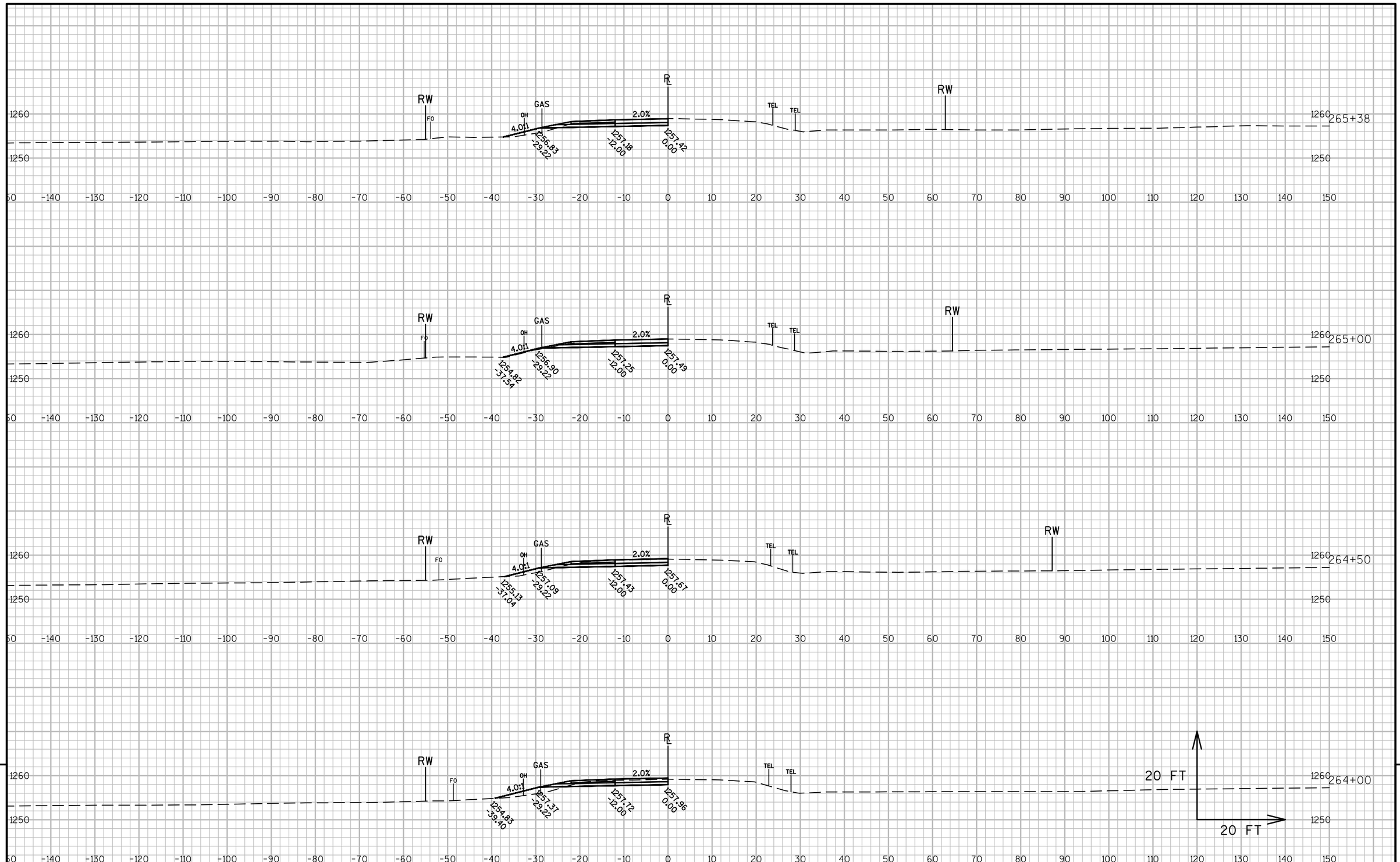
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 SB	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128SB.DWG
LAYOUT NAME - SECTION SHEET - (36)

PLOT DATE : 10/5/2015 3:36 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 SB	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128SB.DWG
LAYOUT NAME - SECTION SHEET - (37)

PLOT DATE : 10/5/2015 3:37 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT

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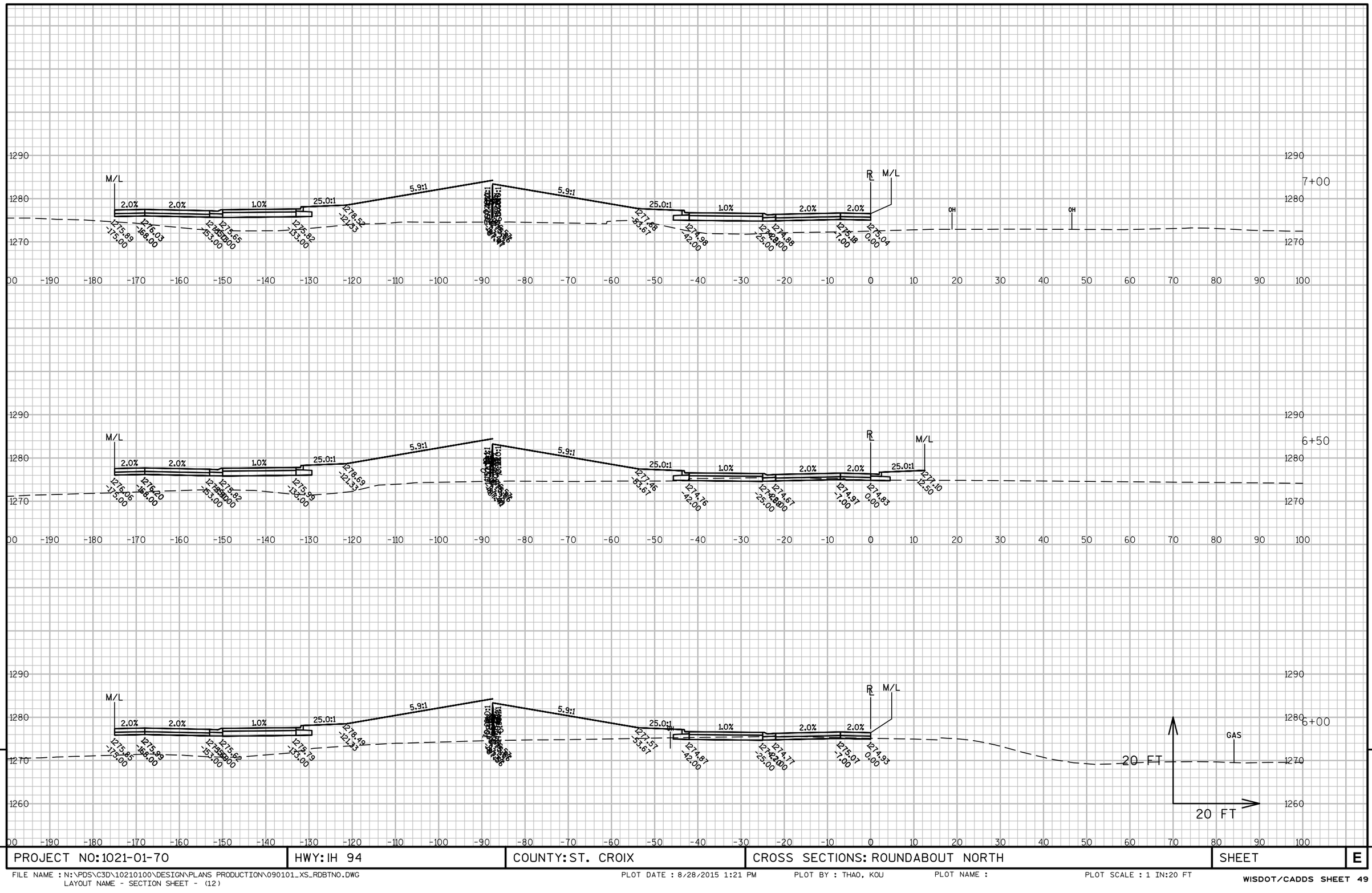
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: ROUNDABOUT NORTH	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RDBTNO.DWG
LAYOUT NAME - SECTION SHEET - (11)

PLOT DATE : 8/28/2015 1:21 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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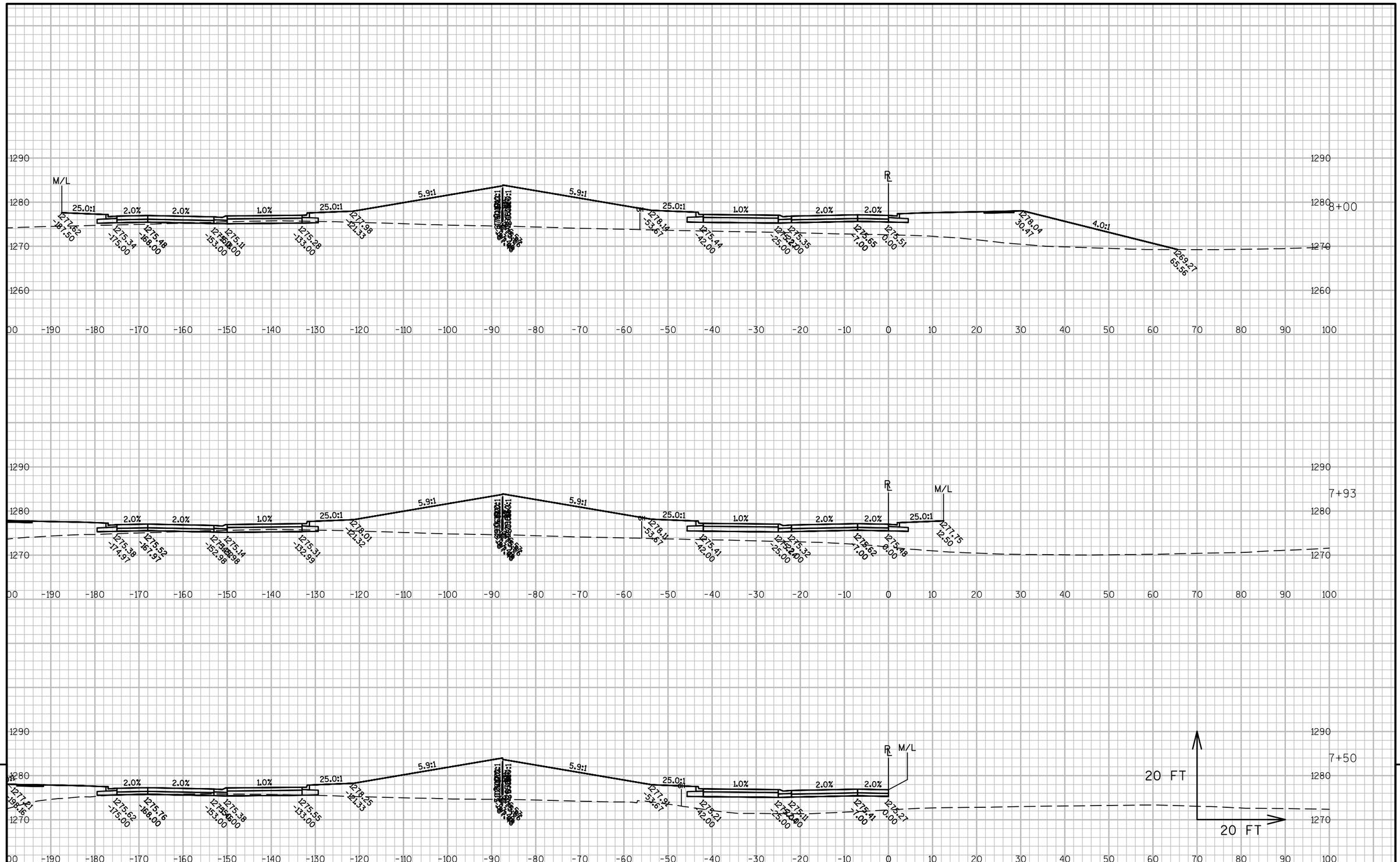
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: ROUNDABOUT NORTH	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RDBTNO.DWG
LAYOUT NAME - SECTION SHEET - (12)

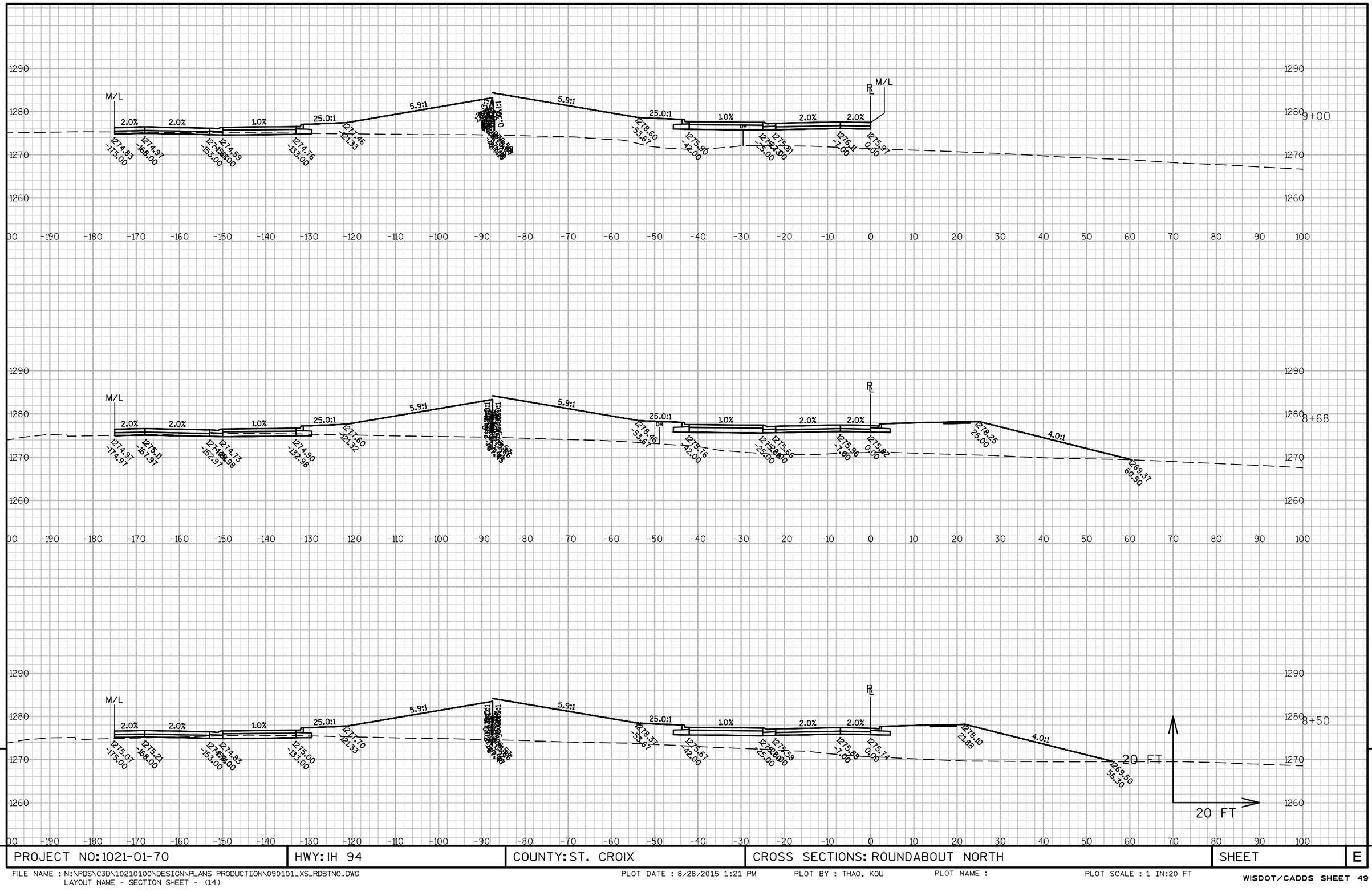
PLOT DATE : 8/28/2015 1:21 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: ROUNDABOUT NORTH	SHEET E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RDBTNO.DWG
LAYOUT NAME - SECTION SHEET - (13)

PLOT DATE : 8/28/2015 1:21 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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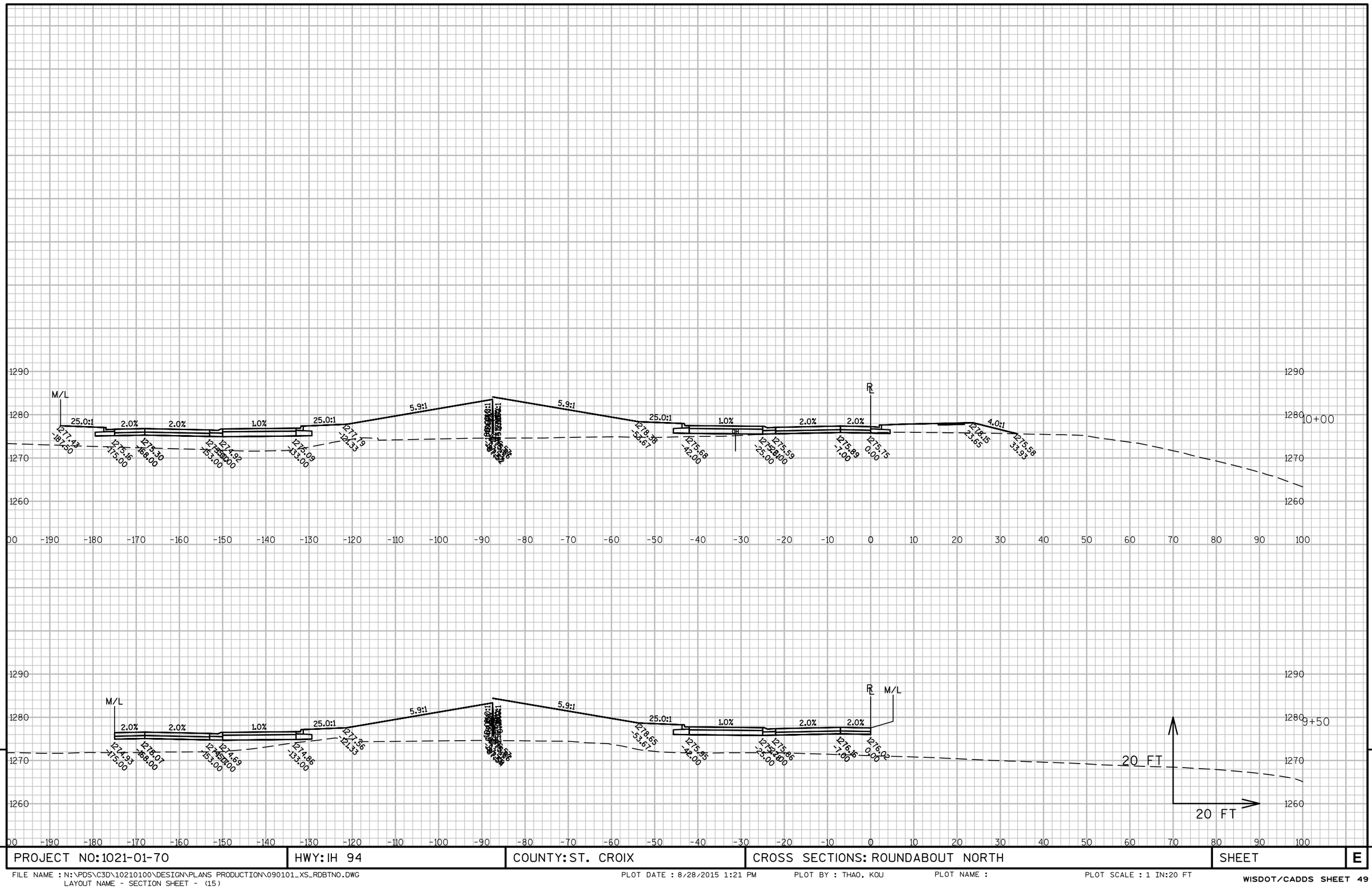
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: ROUNDABOUT NORTH	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RDBTNO.DWG
LAYOUT NAME - SECTION SHEET - (14)

PLOT DATE : 8/28/2015 1:21 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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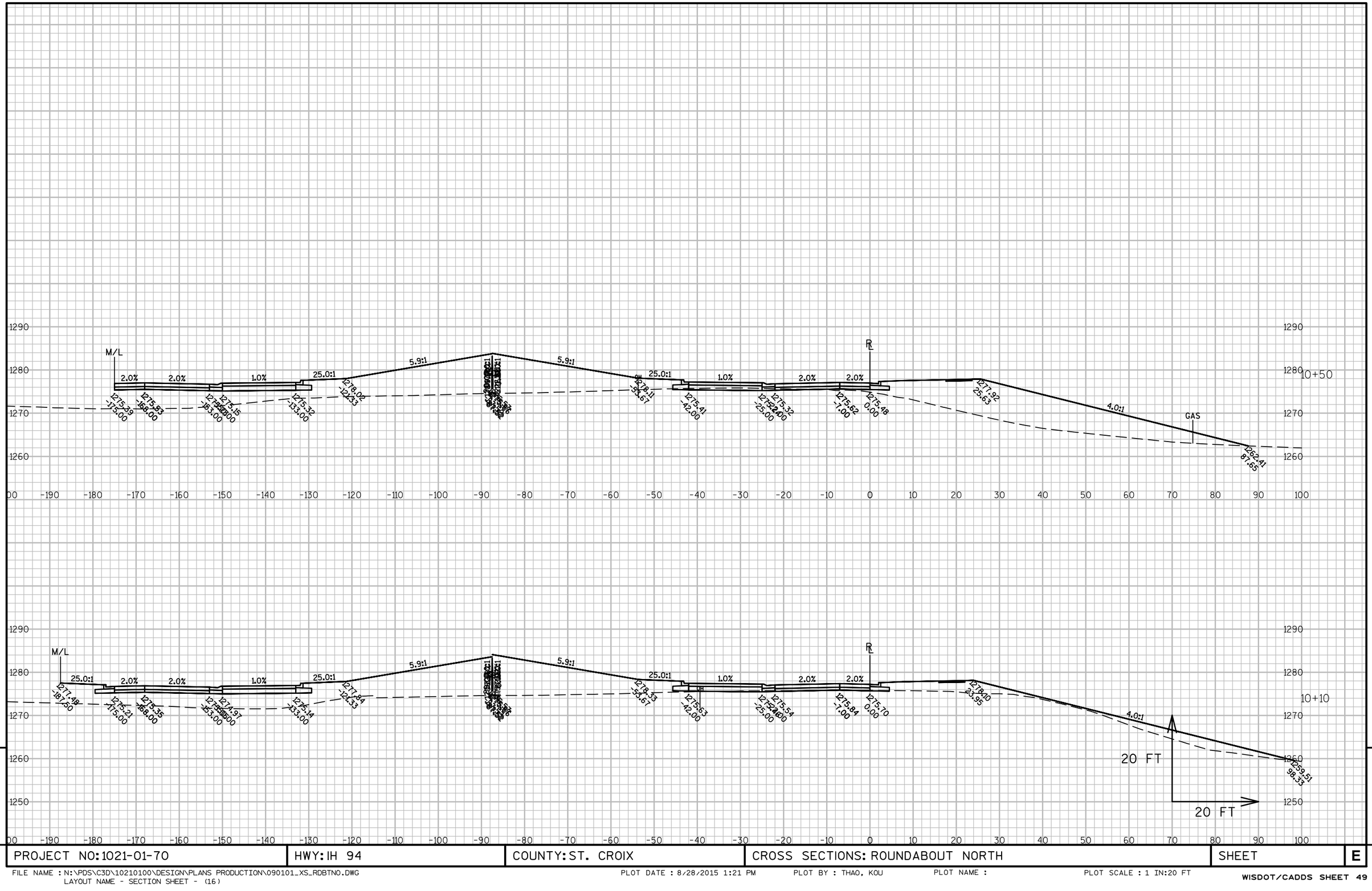
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: ROUNDABOUT NORTH	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RDBTNO.DWG
LAYOUT NAME - SECTION SHEET - (15)

PLOT DATE : 8/28/2015 1:21 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT

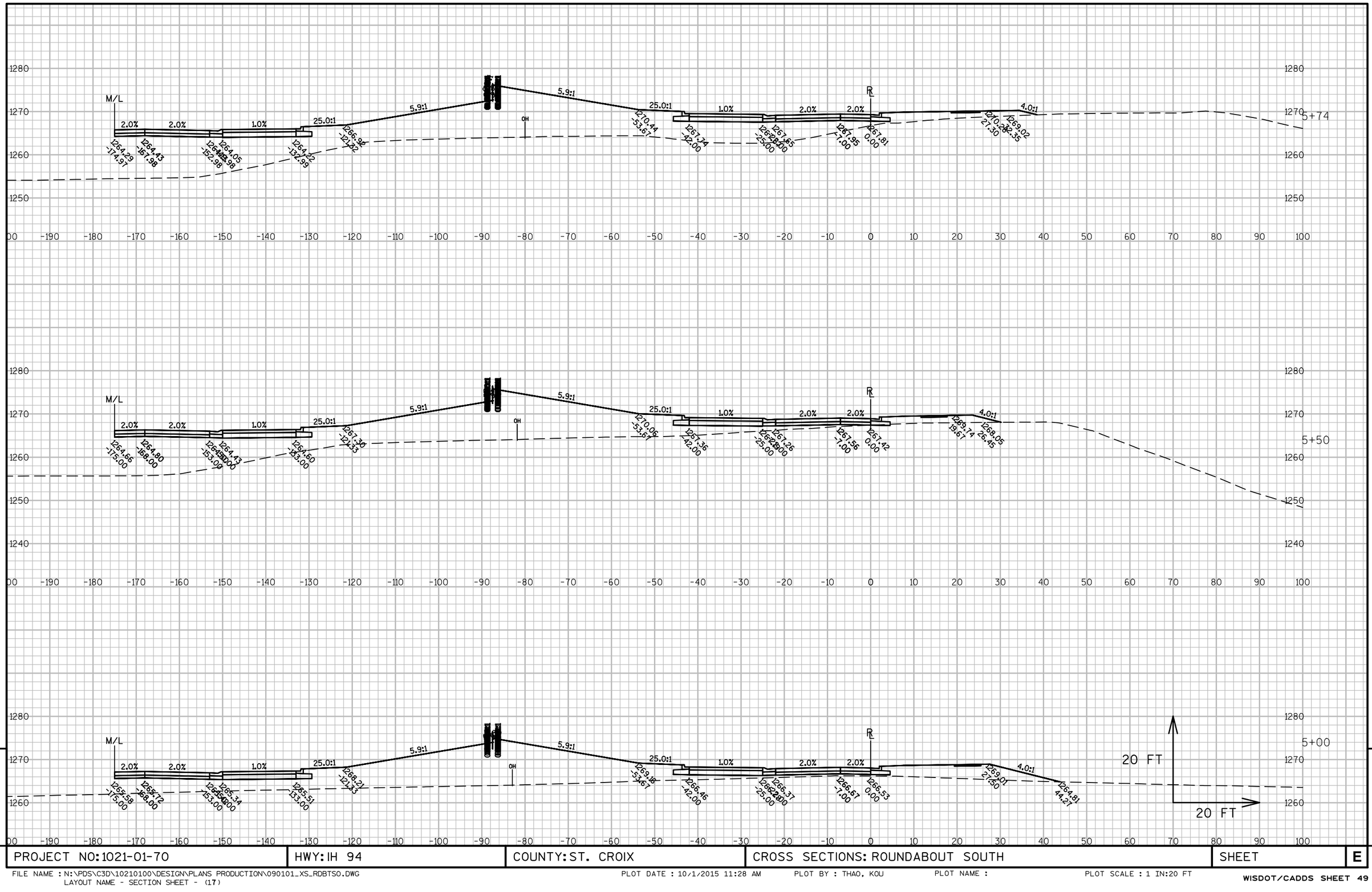


PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: ROUNDABOUT NORTH	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RDBTNO.DWG
LAYOUT NAME - SECTION SHEET - (16)

PLOT DATE : 8/28/2015 1:21 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT

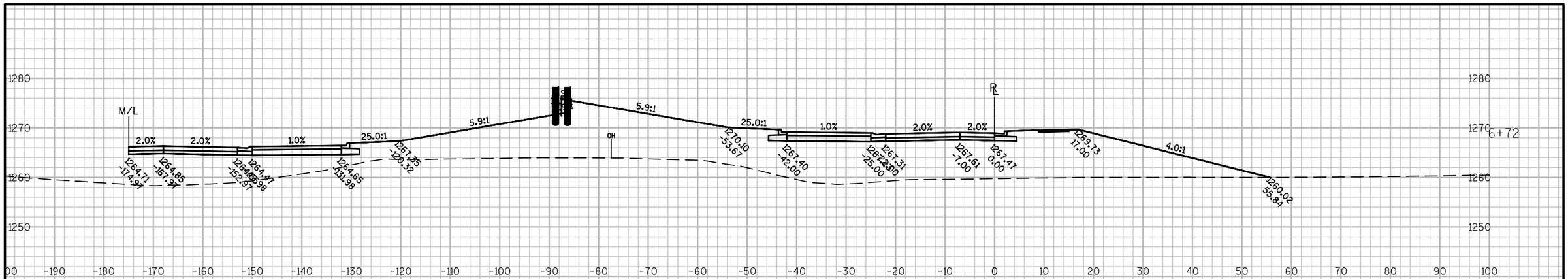
WISDOT/CADDS SHEET 49

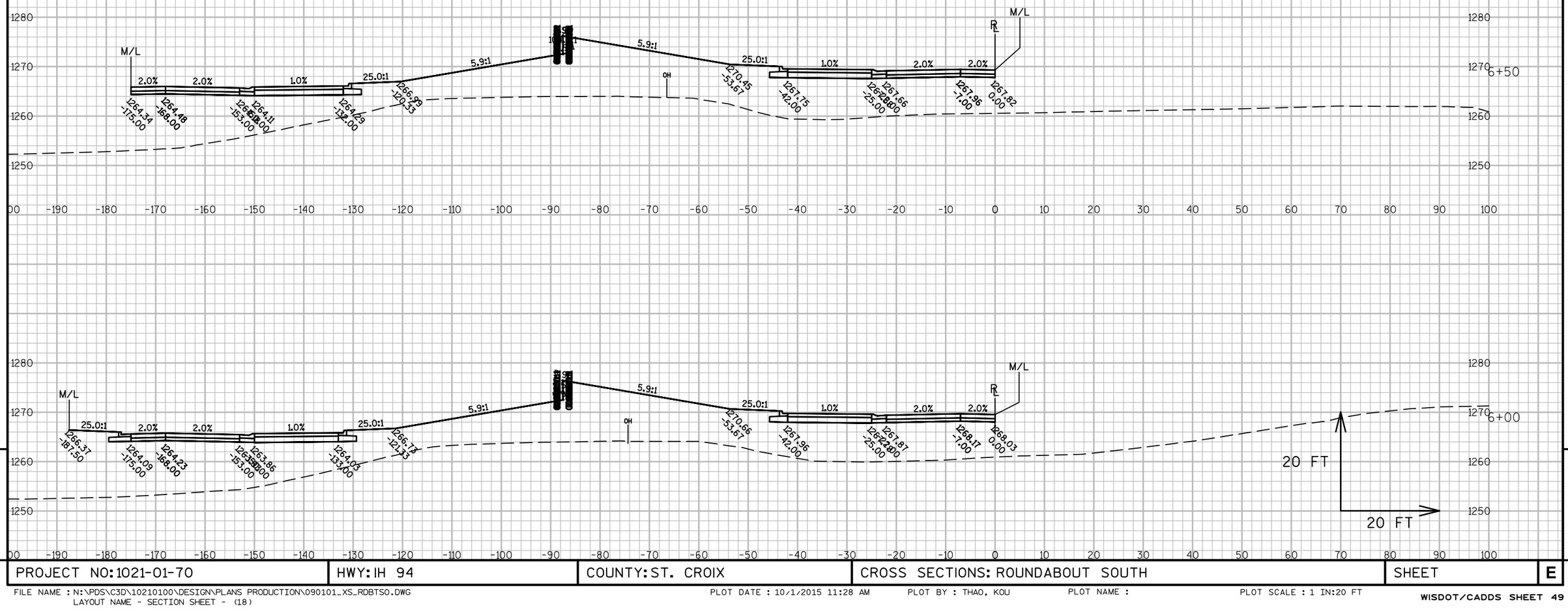


PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: ROUNDABOUT SOUTH	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RDBTSO.DWG
LAYOUT NAME - SECTION SHEET - (17)

PLOT DATE : 10/1/2015 11:28 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT





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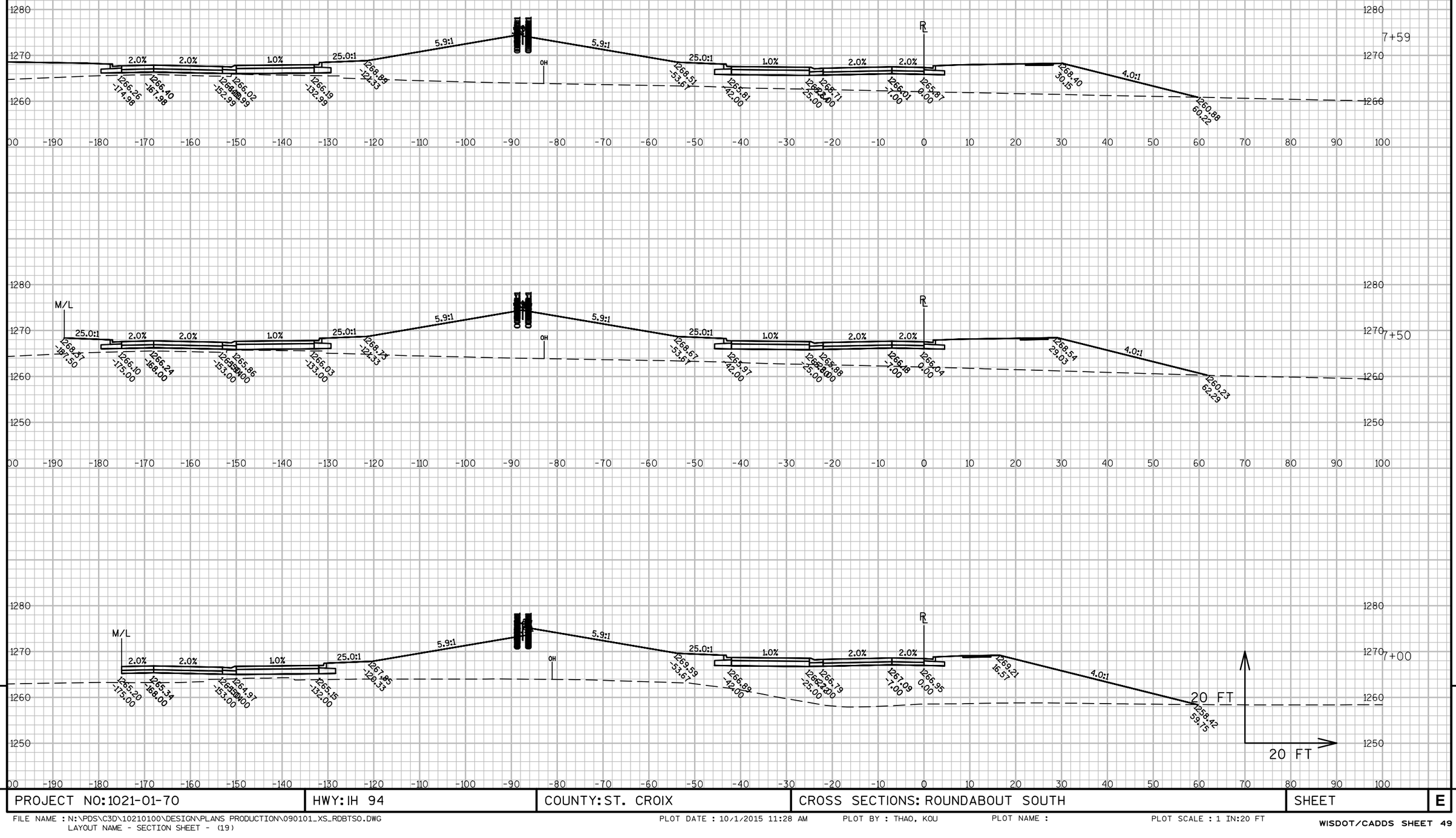
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: ROUNDABOUT SOUTH	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RDBTSO.DWG
LAYOUT NAME - SECTION SHEET - (18)

PLOT DATE : 10/1/2015 11:28 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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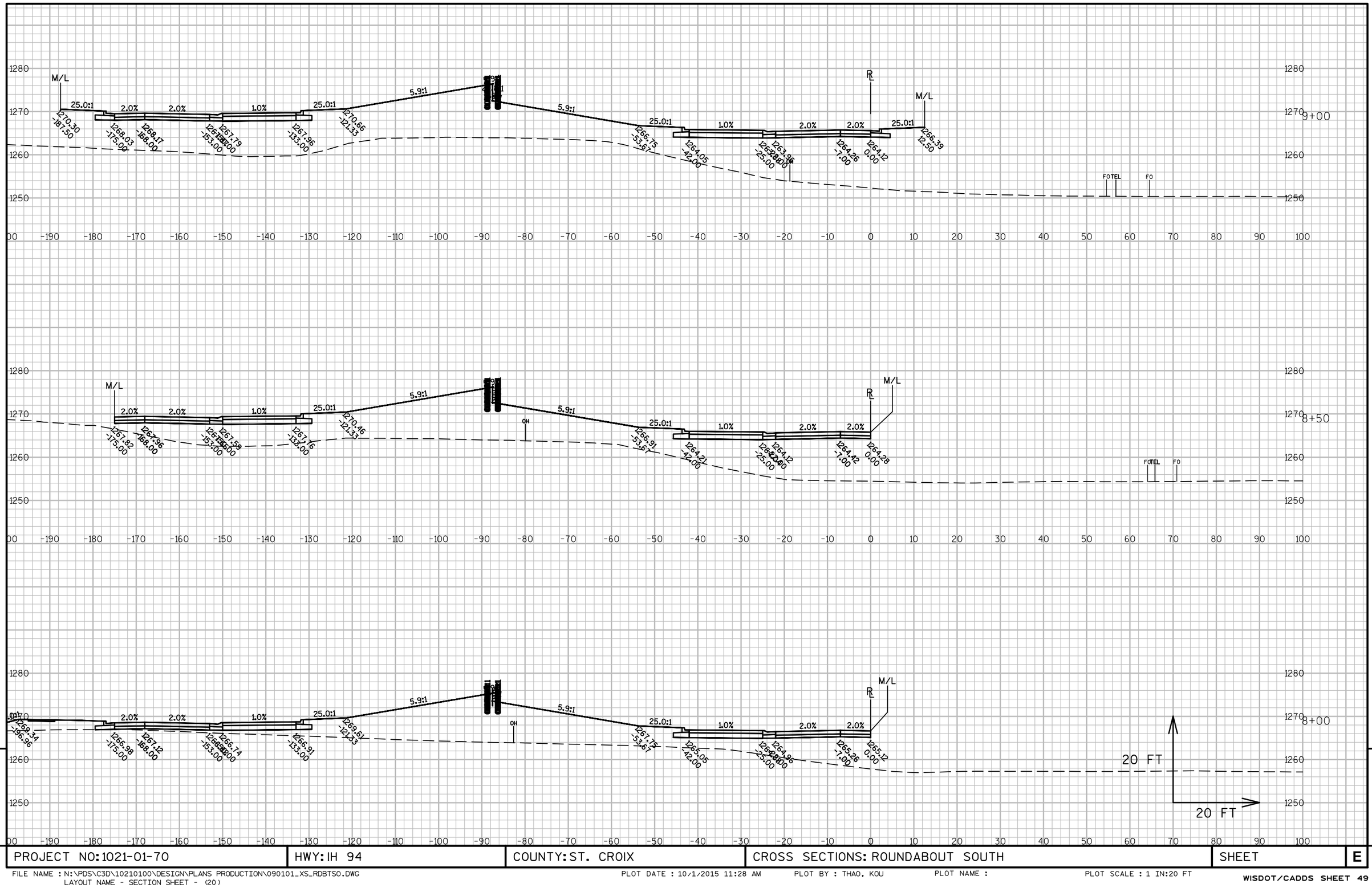
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: ROUNDABOUT SOUTH	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RDBTSO.DWG
LAYOUT NAME - SECTION SHEET - (19)

PLOT DATE : 10/1/2015 11:28 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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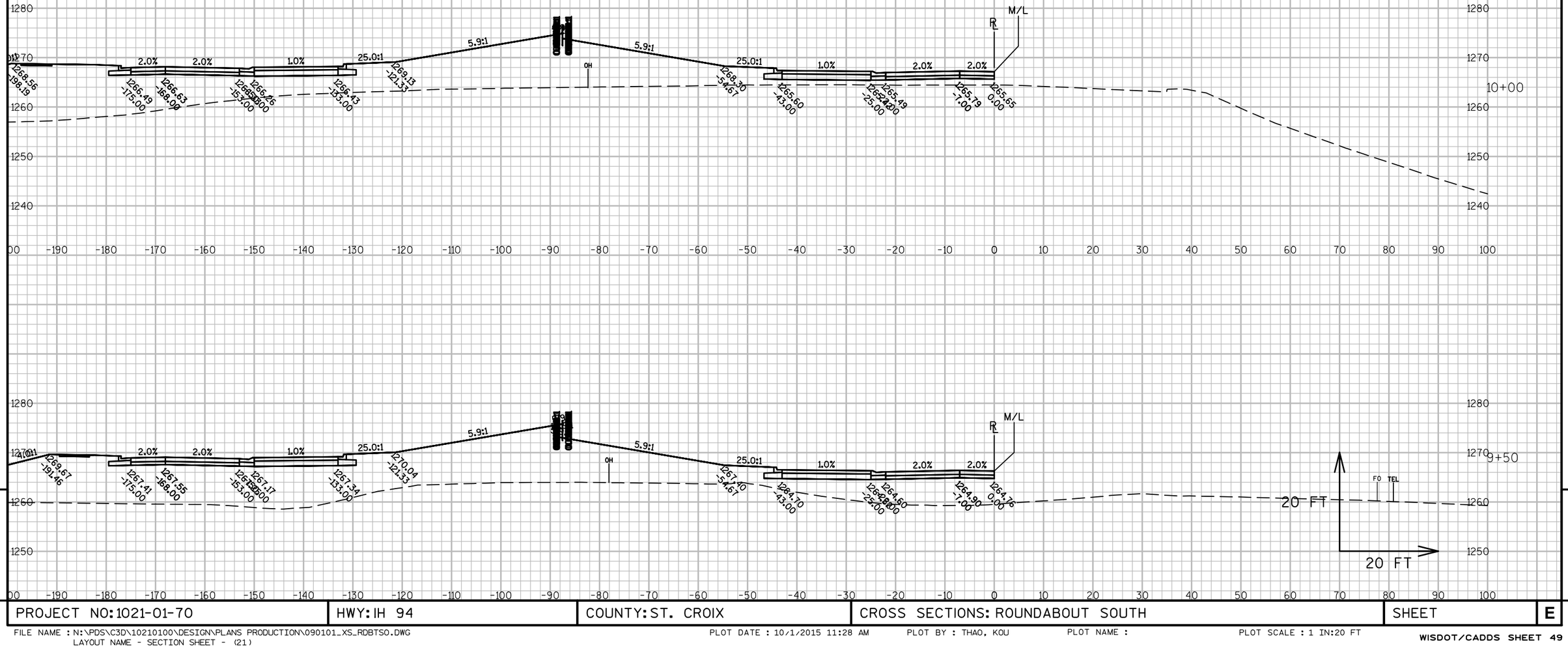
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: ROUNDABOUT SOUTH	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RDBTSO.DWG
LAYOUT NAME - SECTION SHEET - (20)
PLOT DATE : 10/1/2015 11:28 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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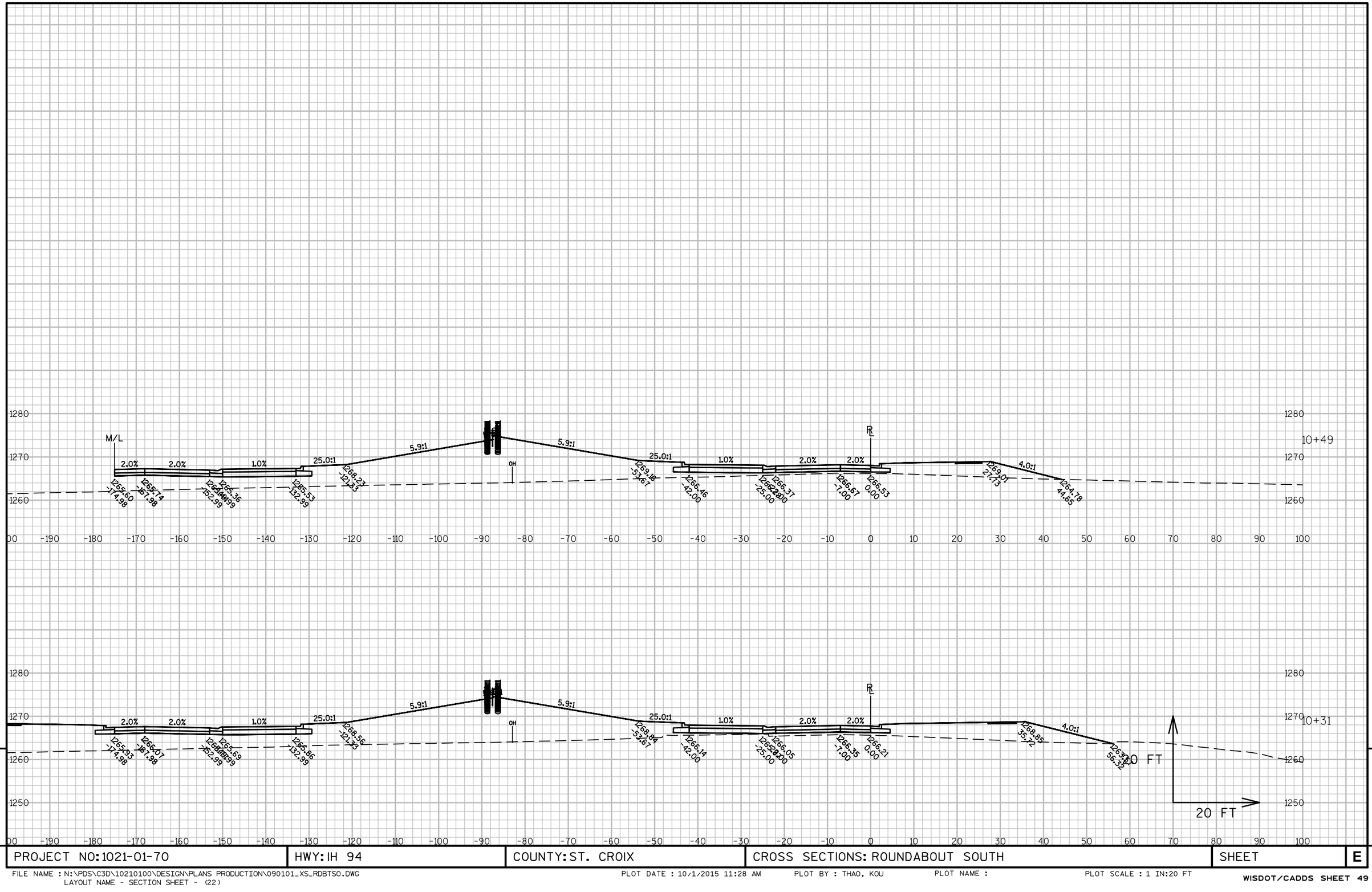
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: ROUNDABOUT SOUTH	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RDBTSO.DWG
LAYOUT NAME - SECTION SHEET - (21)

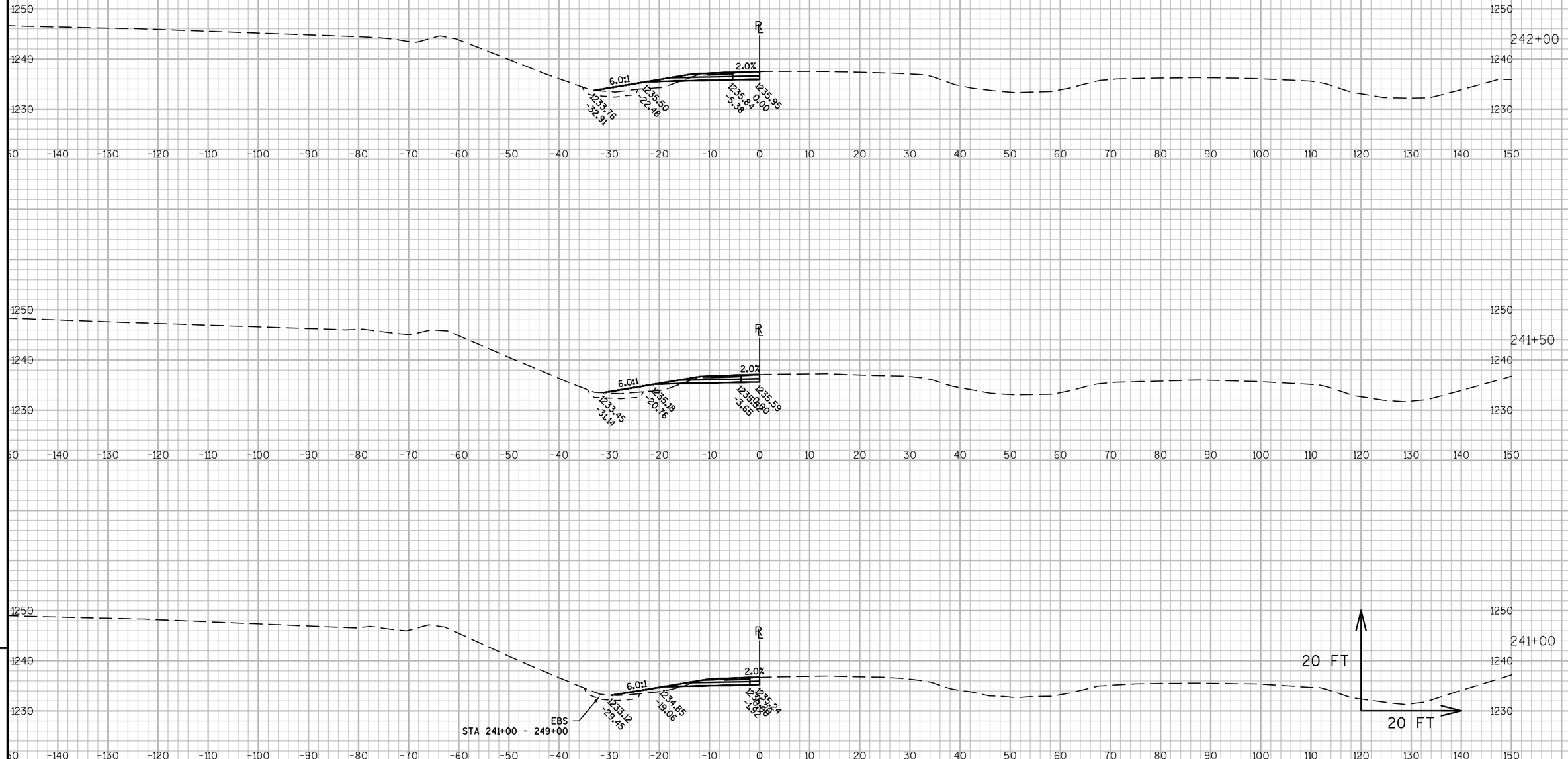
PLOT DATE : 10/1/2015 11:28 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: ROUNDABOUT SOUTH	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RDBTSO.DWG
LAYOUT NAME - SECTION SHEET - (22)

PLOT DATE : 10/1/2015 11:28 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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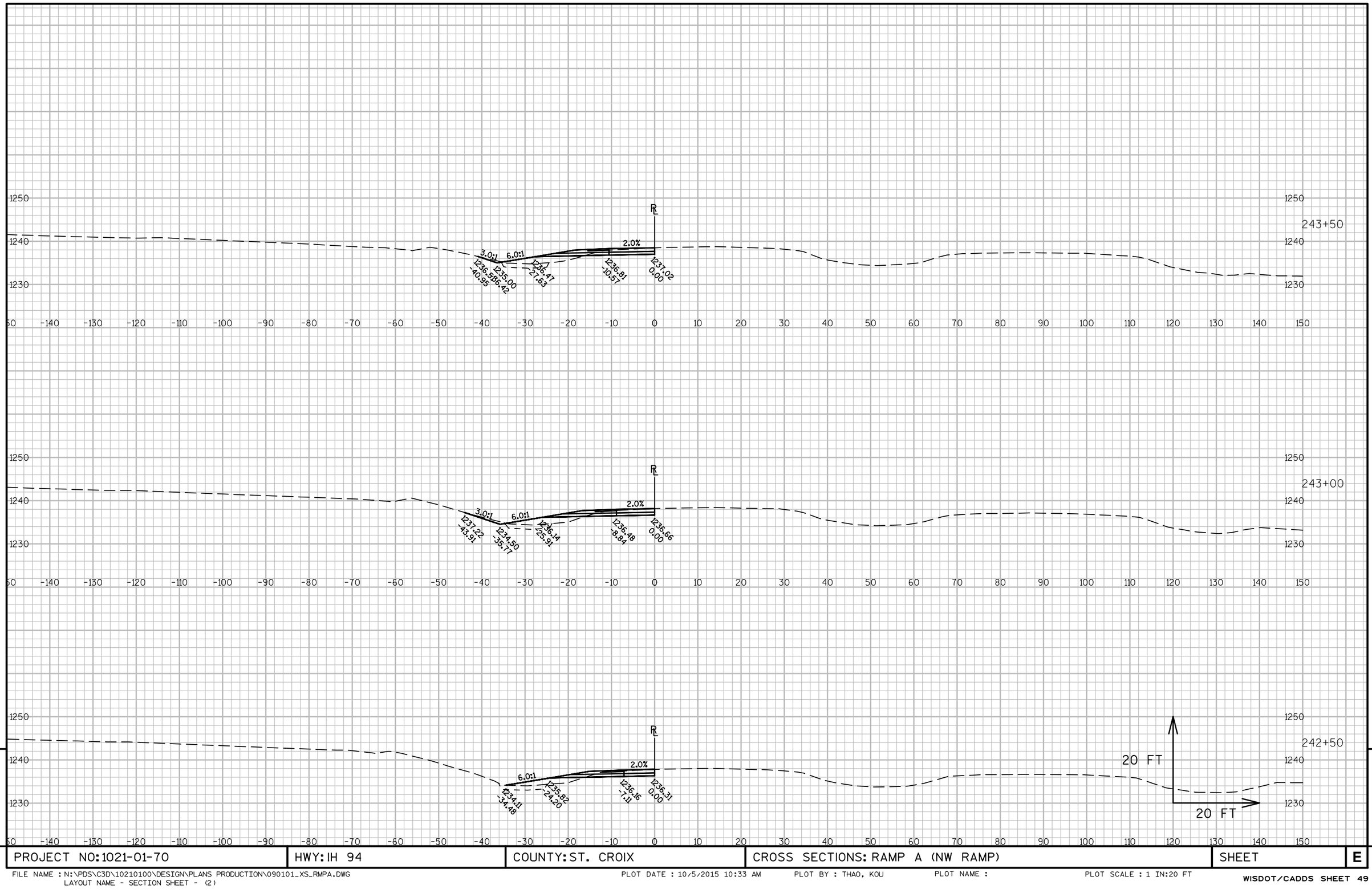
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP A (NW RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPA.DWG
LAYOUT NAME - SECTION SHEET - (1)

PLOT DATE : 10/5/2015 10:32 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP A (NW RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPA.DWG
LAYOUT NAME - SECTION SHEET - (2)
PLOT DATE : 10/5/2015 10:33 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT

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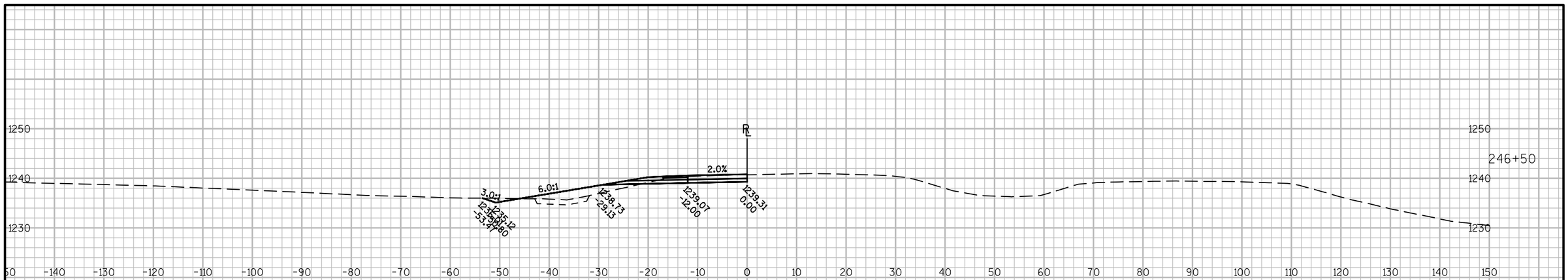
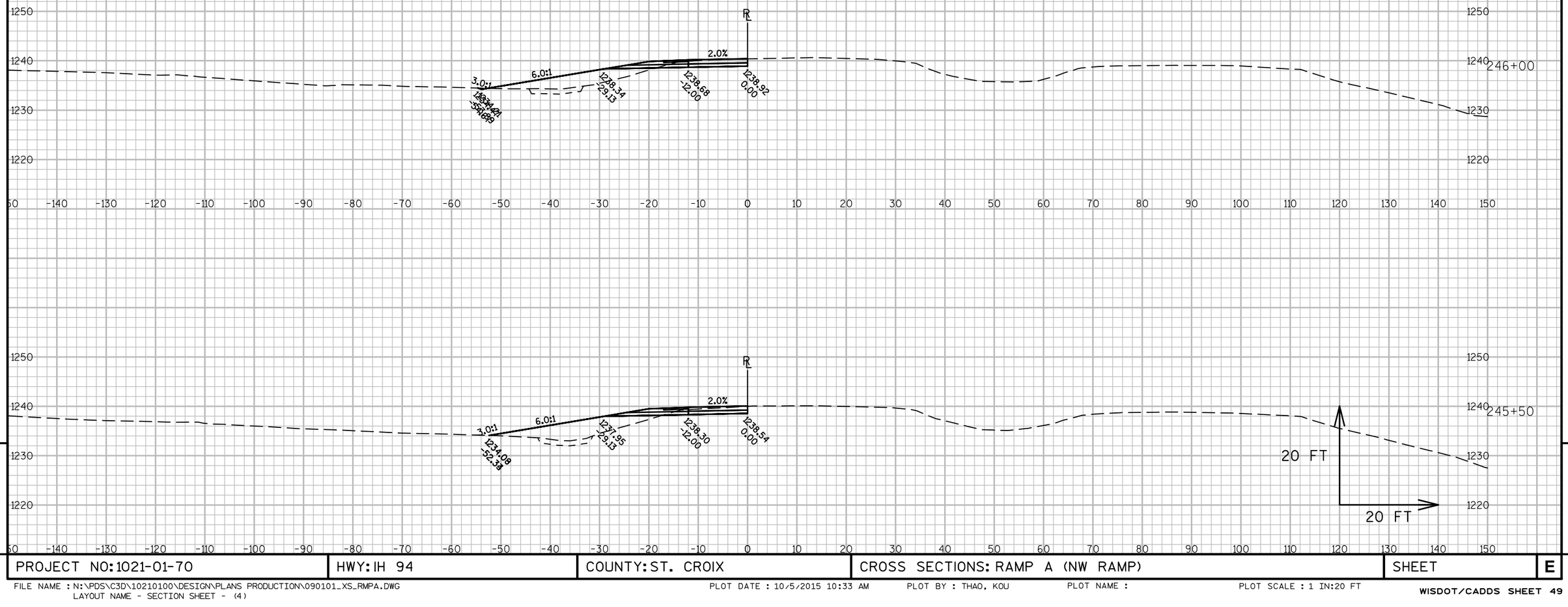
9

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP A (NW RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPA.DWG
LAYOUT NAME - SECTION SHEET - (3)

PLOT DATE : 10/5/2015 10:33 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT





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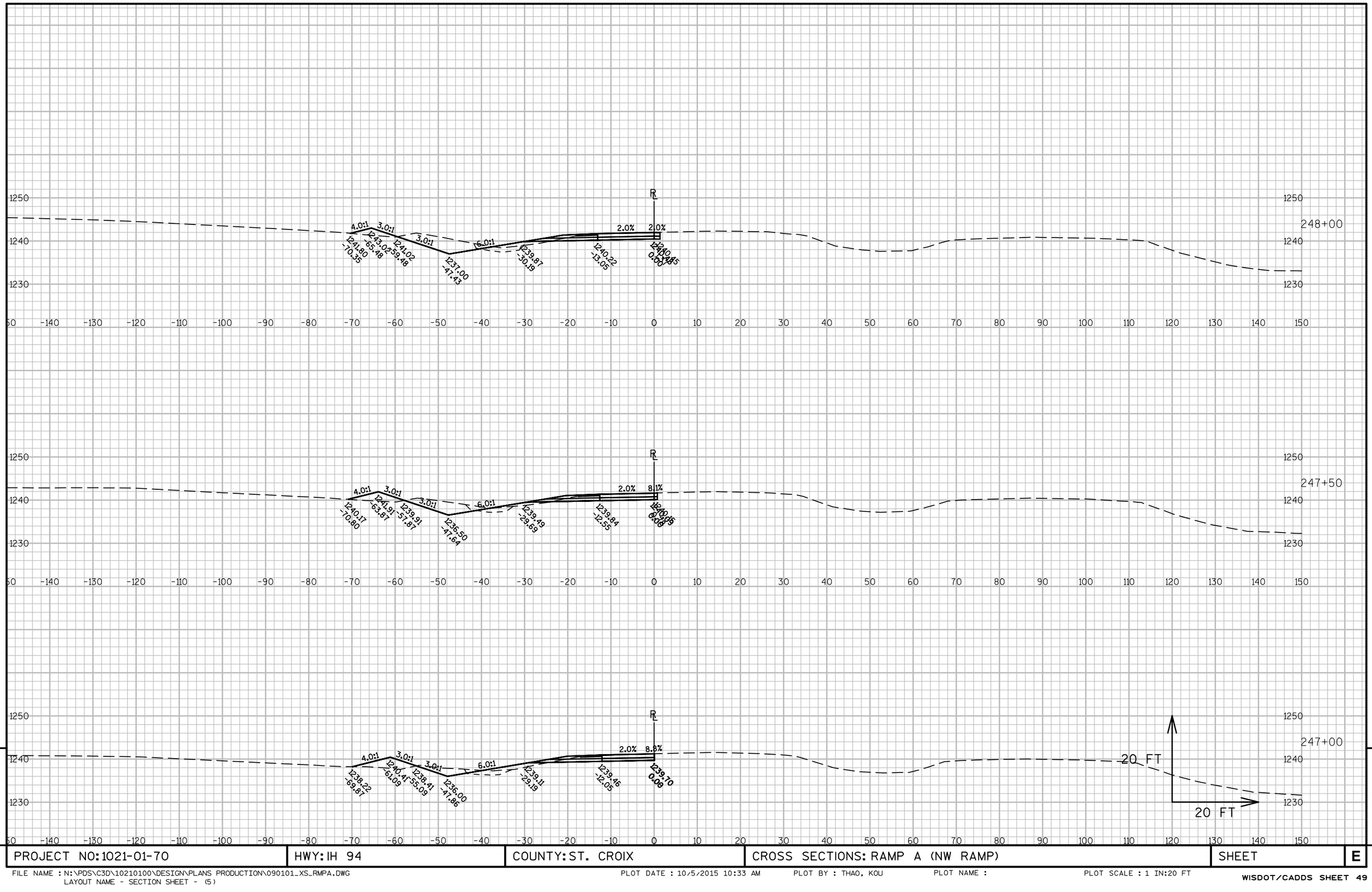
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP A (NW RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPA.DWG
LAYOUT NAME - SECTION SHEET - (4)

PLOT DATE : 10/5/2015 10:33 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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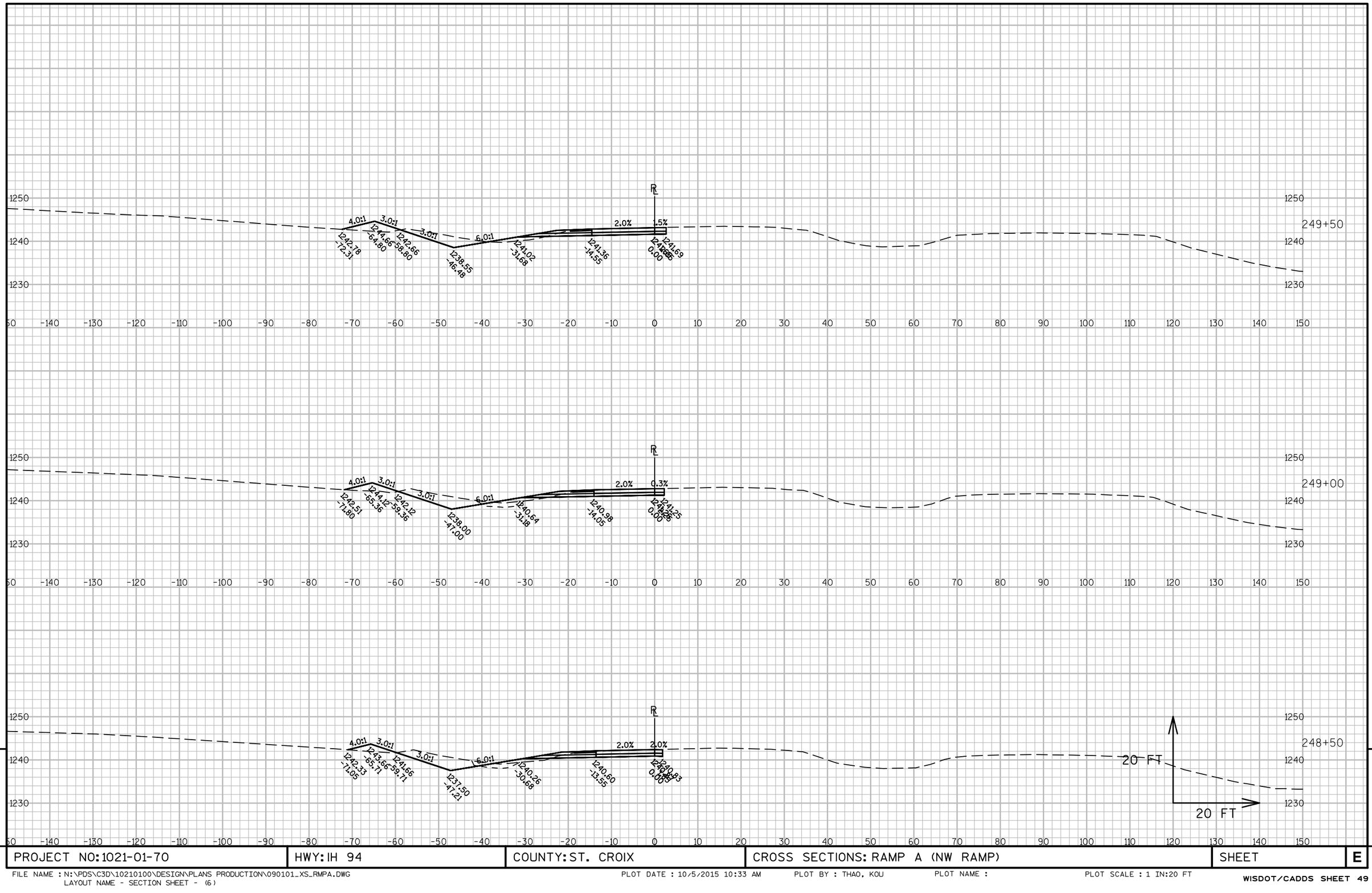
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP A (NW RAMP)	SHEET E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPA.DWG
LAYOUT NAME - SECTION SHEET - (5)

PLOT DATE : 10/5/2015 10:33 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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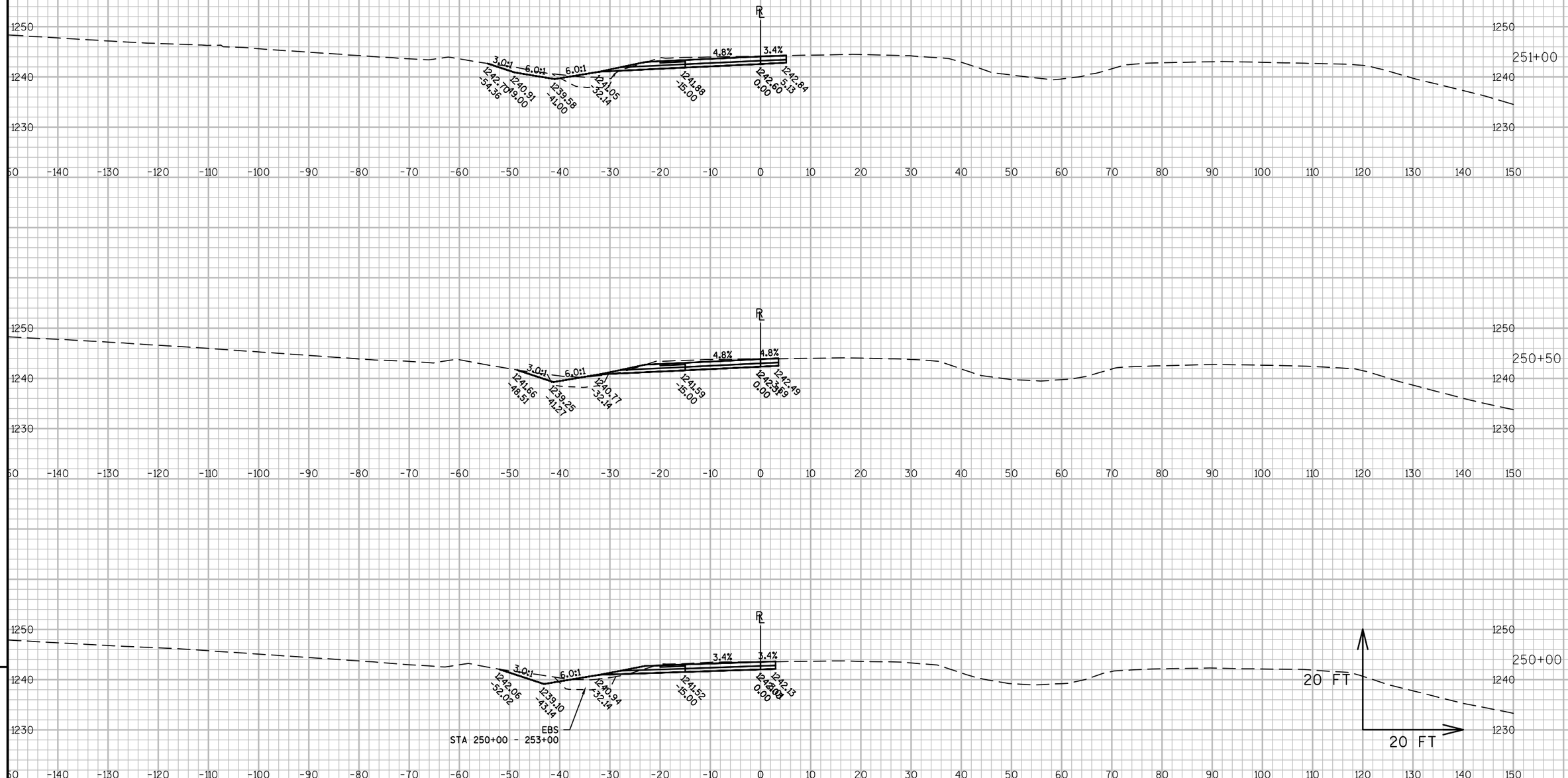
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP A (NW RAMP)	SHEET	E

9

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPA.DWG
LAYOUT NAME - SECTION SHEET - (6)
PLOT DATE : 10/5/2015 10:33 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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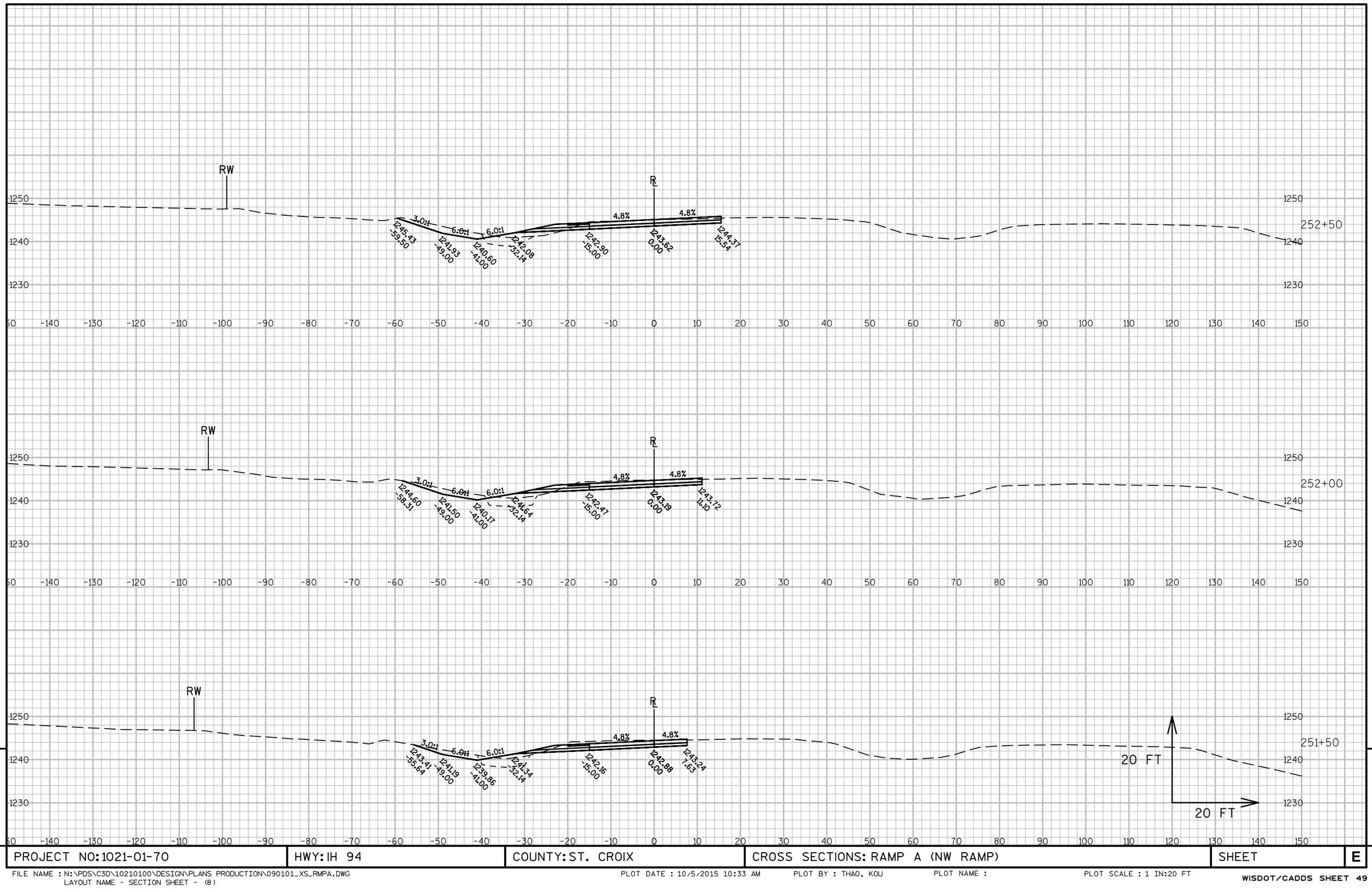
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP A (NW RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPA.DWG
LAYOUT NAME - SECTION SHEET - (7)
PLOT DATE : 10/5/2015 10:33 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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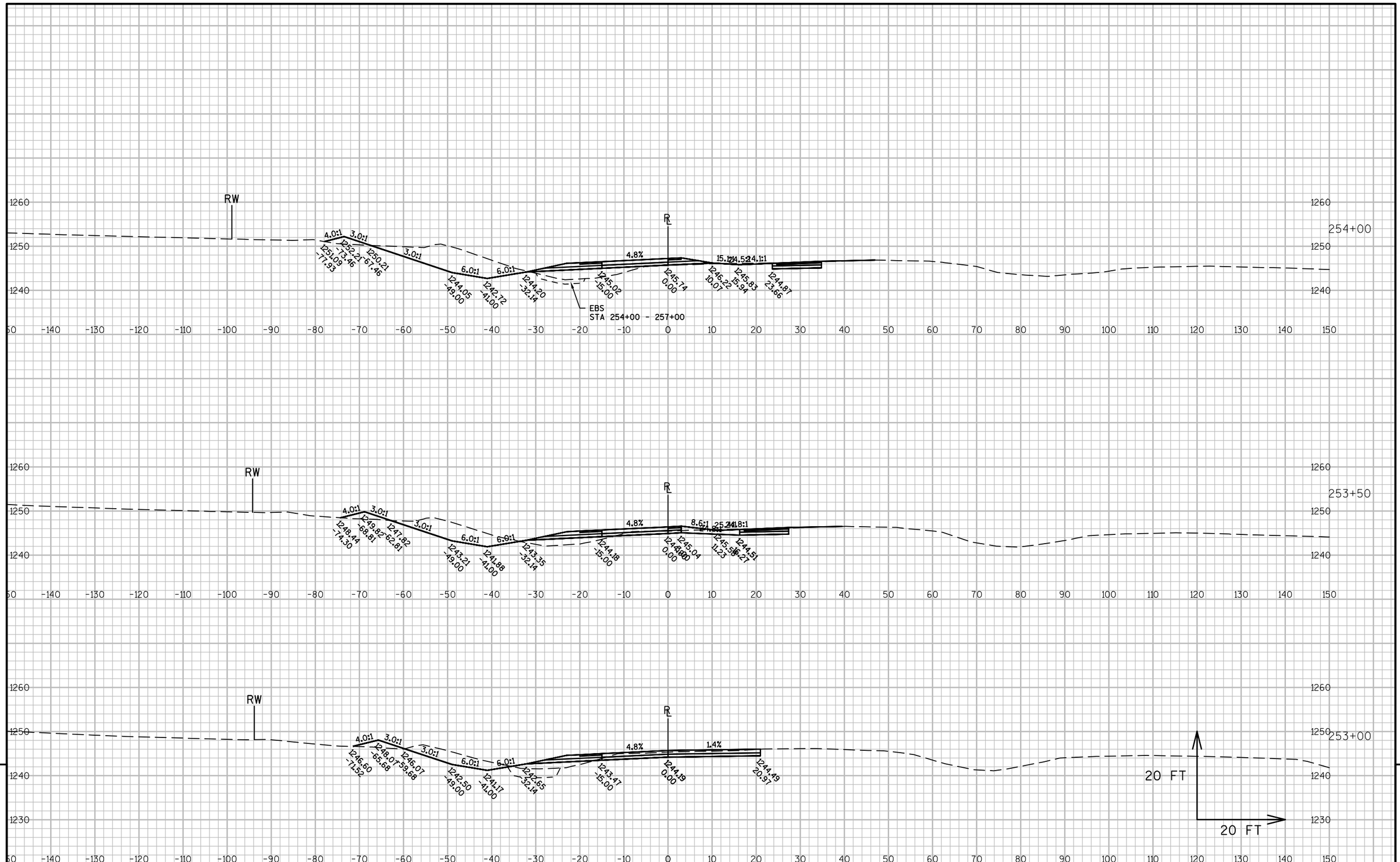
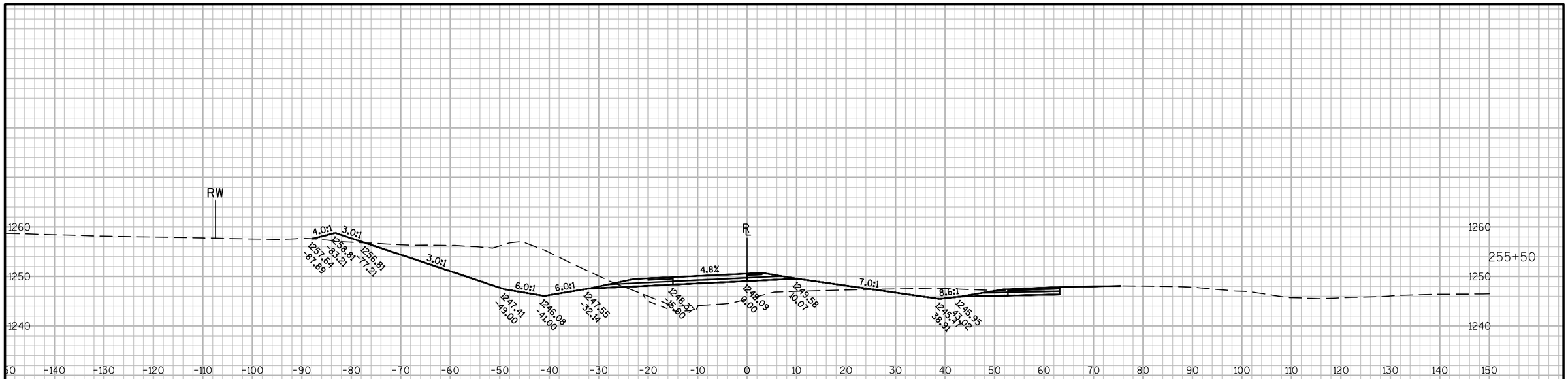
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP A (NW RAMP)	SHEET	E

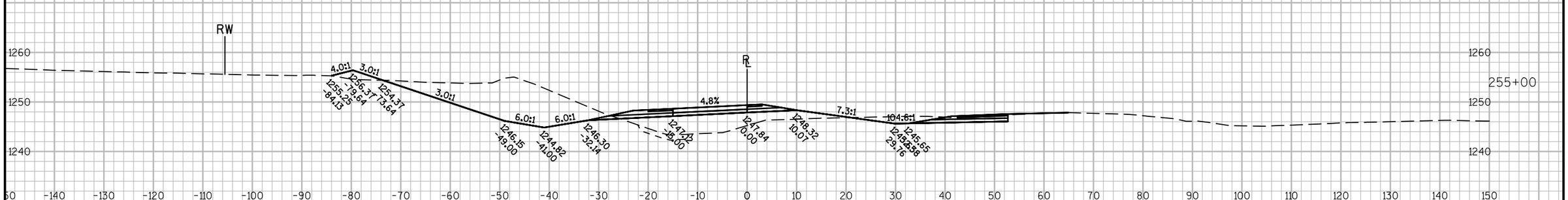
FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPA.DWG
LAYOUT NAME - SECTION SHEET - (8)
PLOT DATE : 10/5/2015 10:33 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT

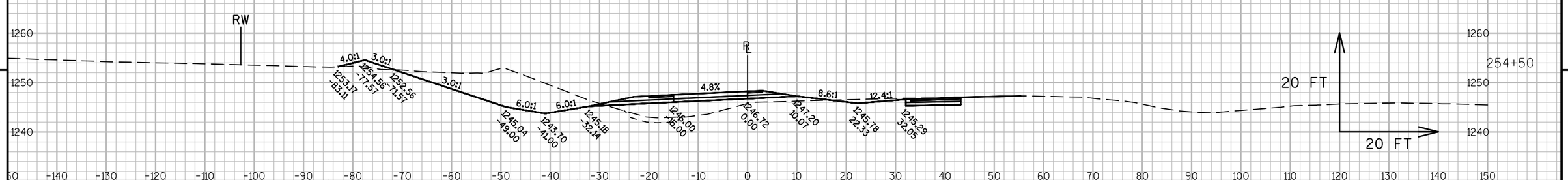


PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP A (NW RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPA.DWG
LAYOUT NAME - SECTION SHEET - (9)
PLOT DATE : 10/5/2015 10:33 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49







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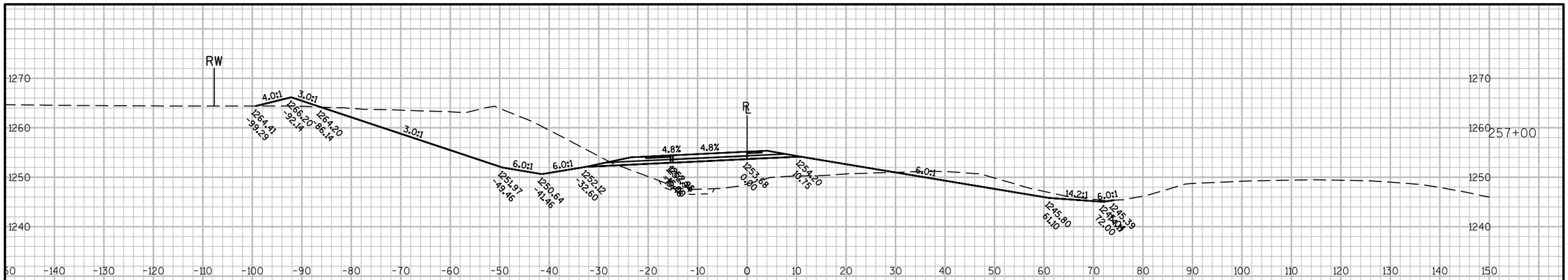
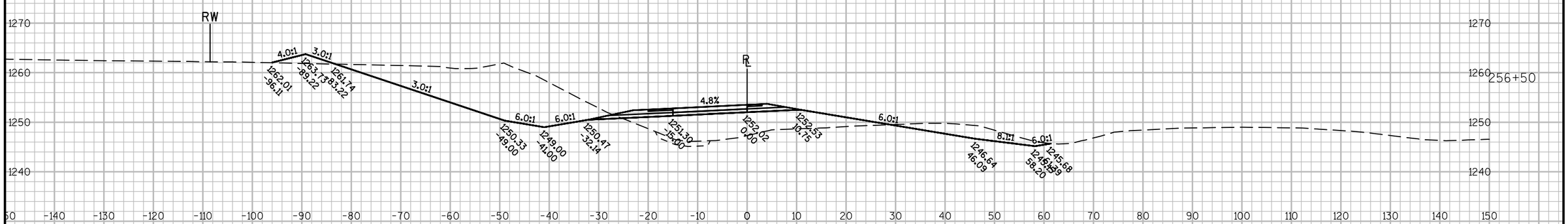
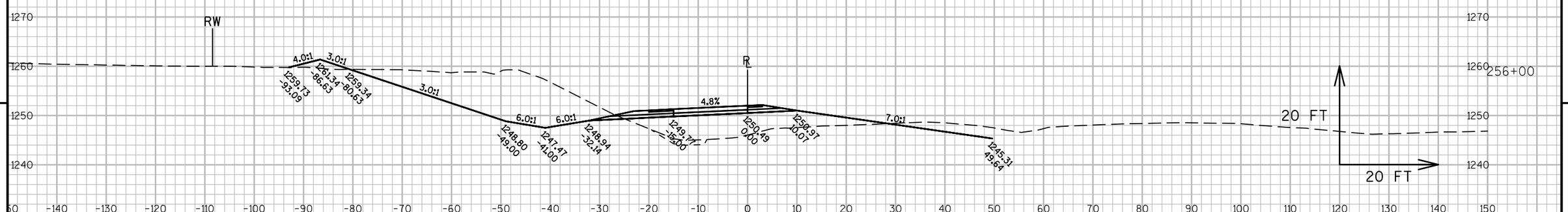
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP A (NW RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPA.DWG
LAYOUT NAME - SECTION SHEET - (10)

PLOT DATE : 10/5/2015 10:34 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT







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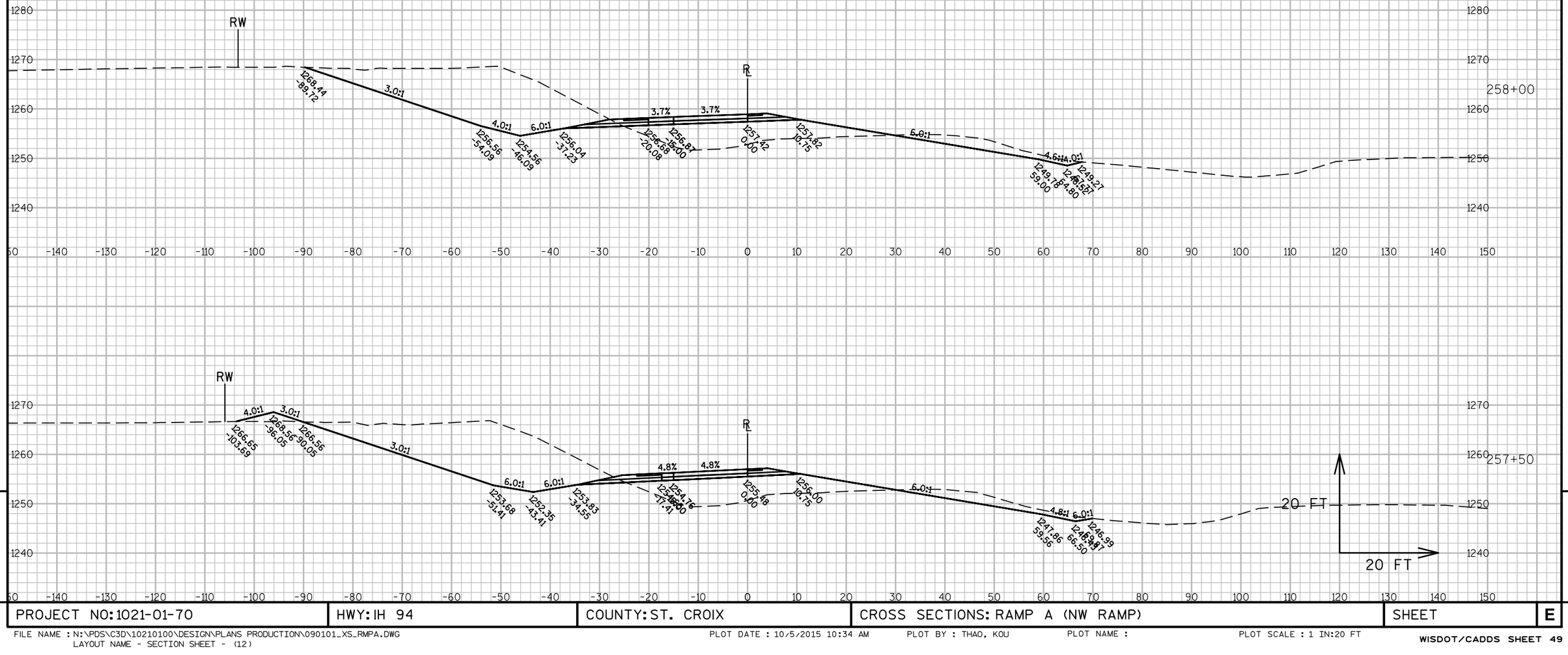
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP A (NW RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPA.DWG
LAYOUT NAME - SECTION SHEET - (11)

PLOT DATE : 10/5/2015 10:34 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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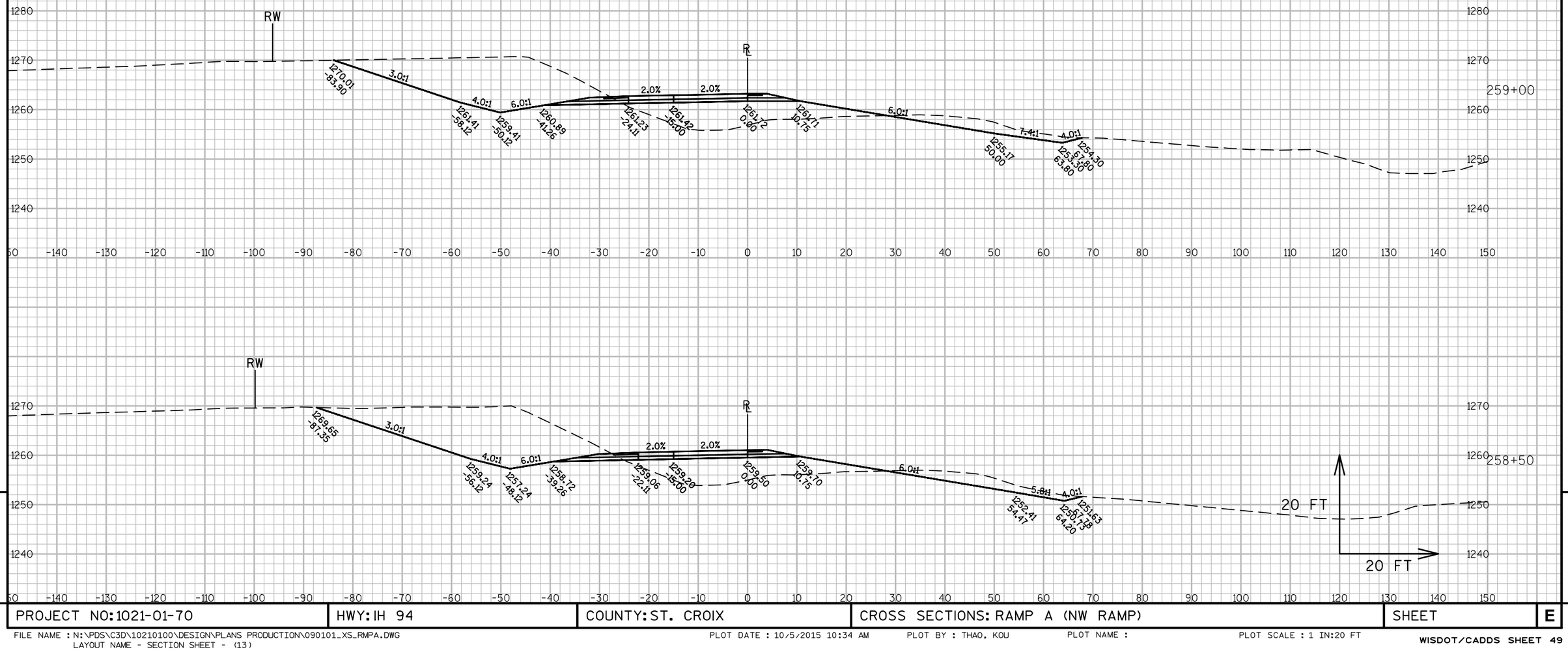
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP A (NW RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPA.DWG
LAYOUT NAME - SECTION SHEET - (12)

PLOT DATE : 10/5/2015 10:34 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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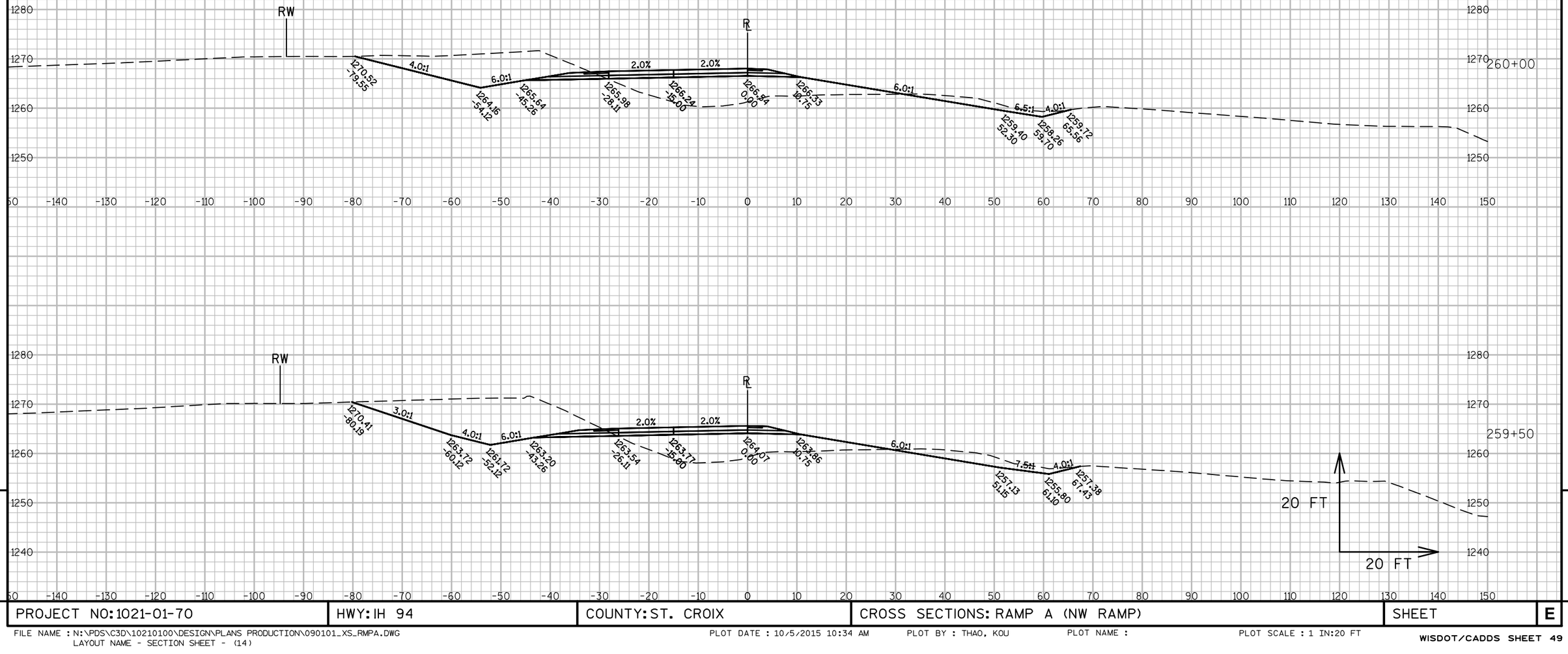
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP A (NW RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPA.DWG
LAYOUT NAME - SECTION SHEET - (13)

PLOT DATE : 10/5/2015 10:34 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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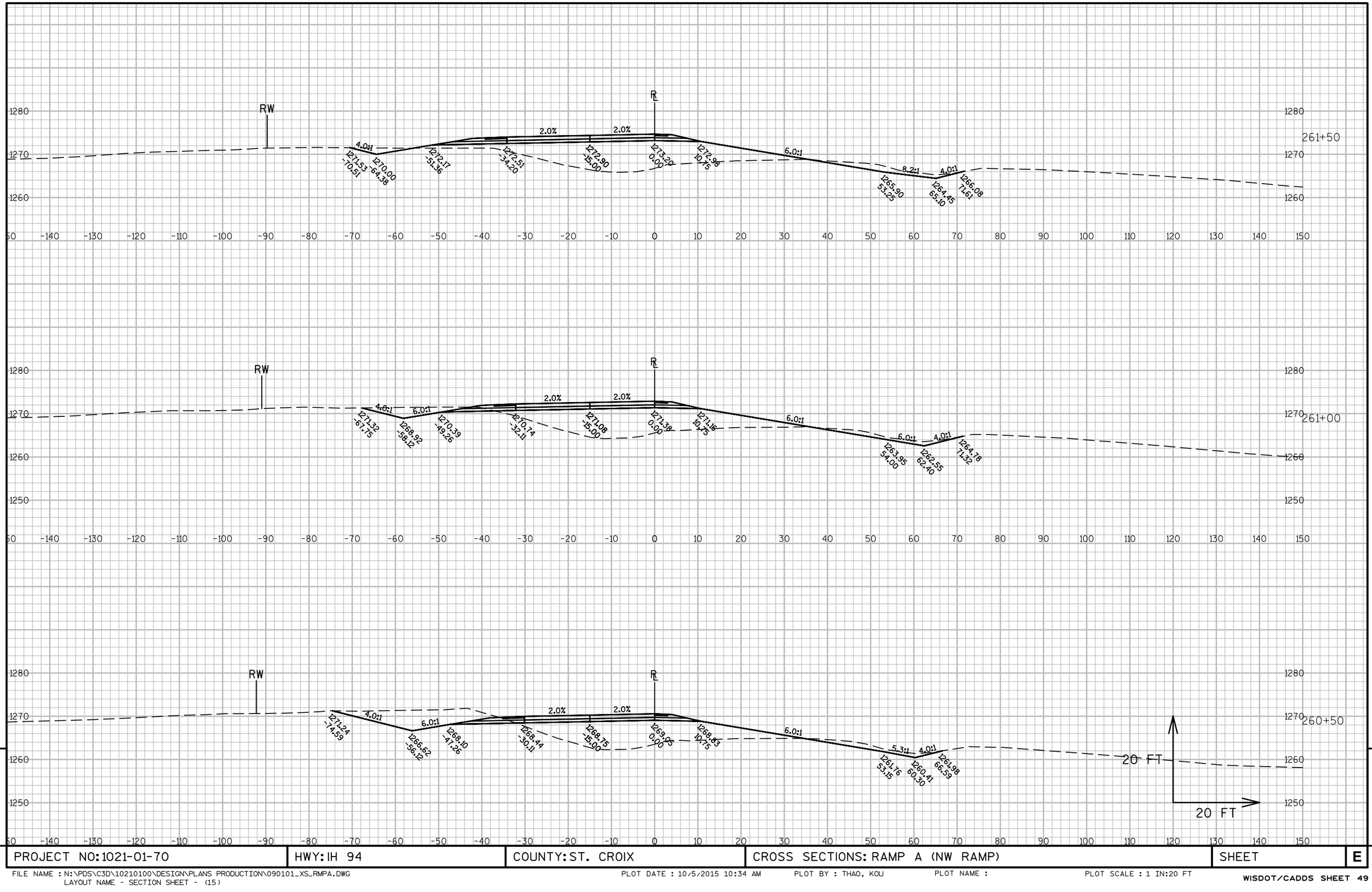
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP A (NW RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPA.DWG
LAYOUT NAME - SECTION SHEET - (14)
PLOT DATE : 10/5/2015 10:34 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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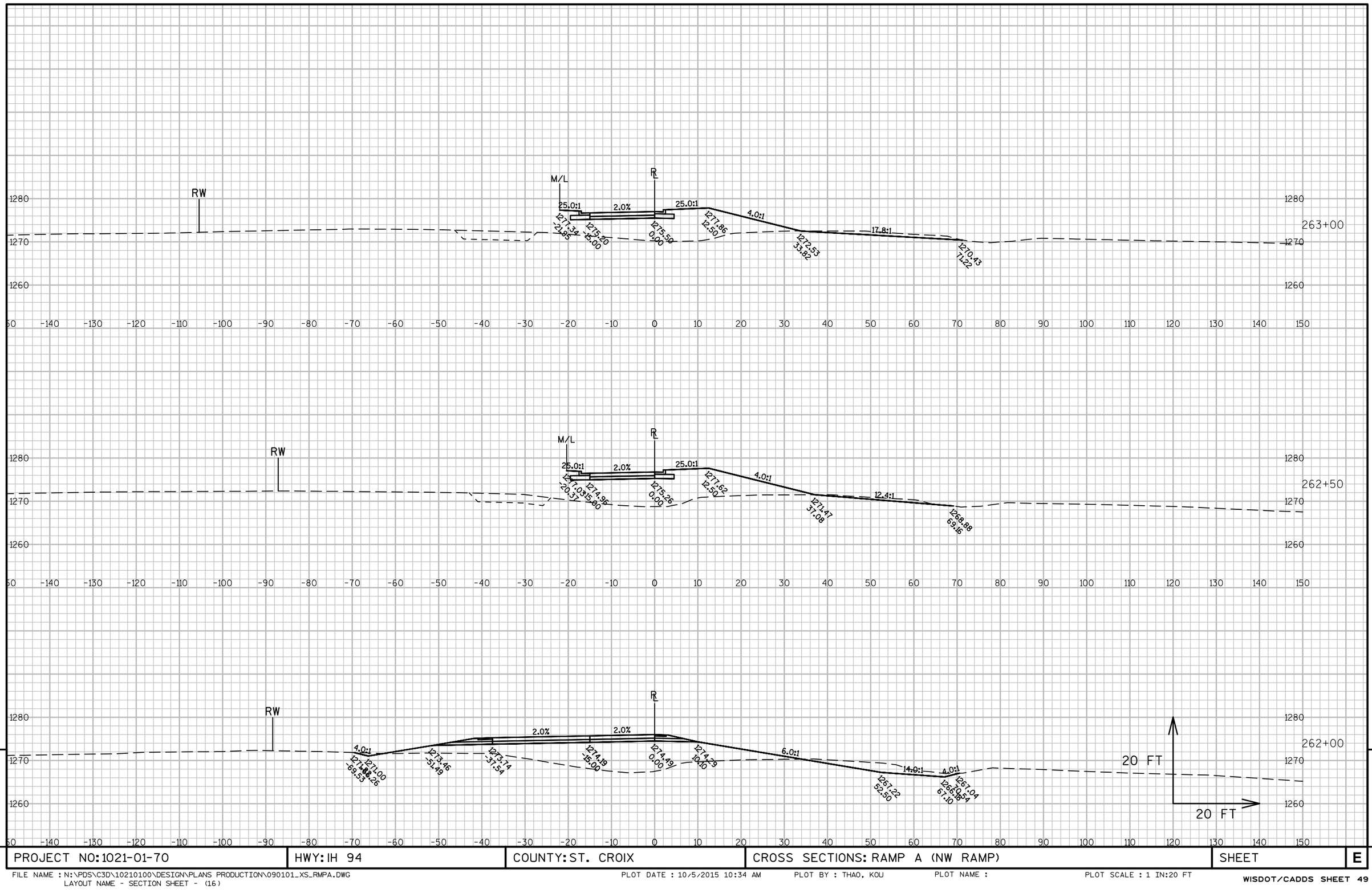
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP A (NW RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPA.DWG
LAYOUT NAME - SECTION SHEET - (15)

PLOT DATE : 10/5/2015 10:34 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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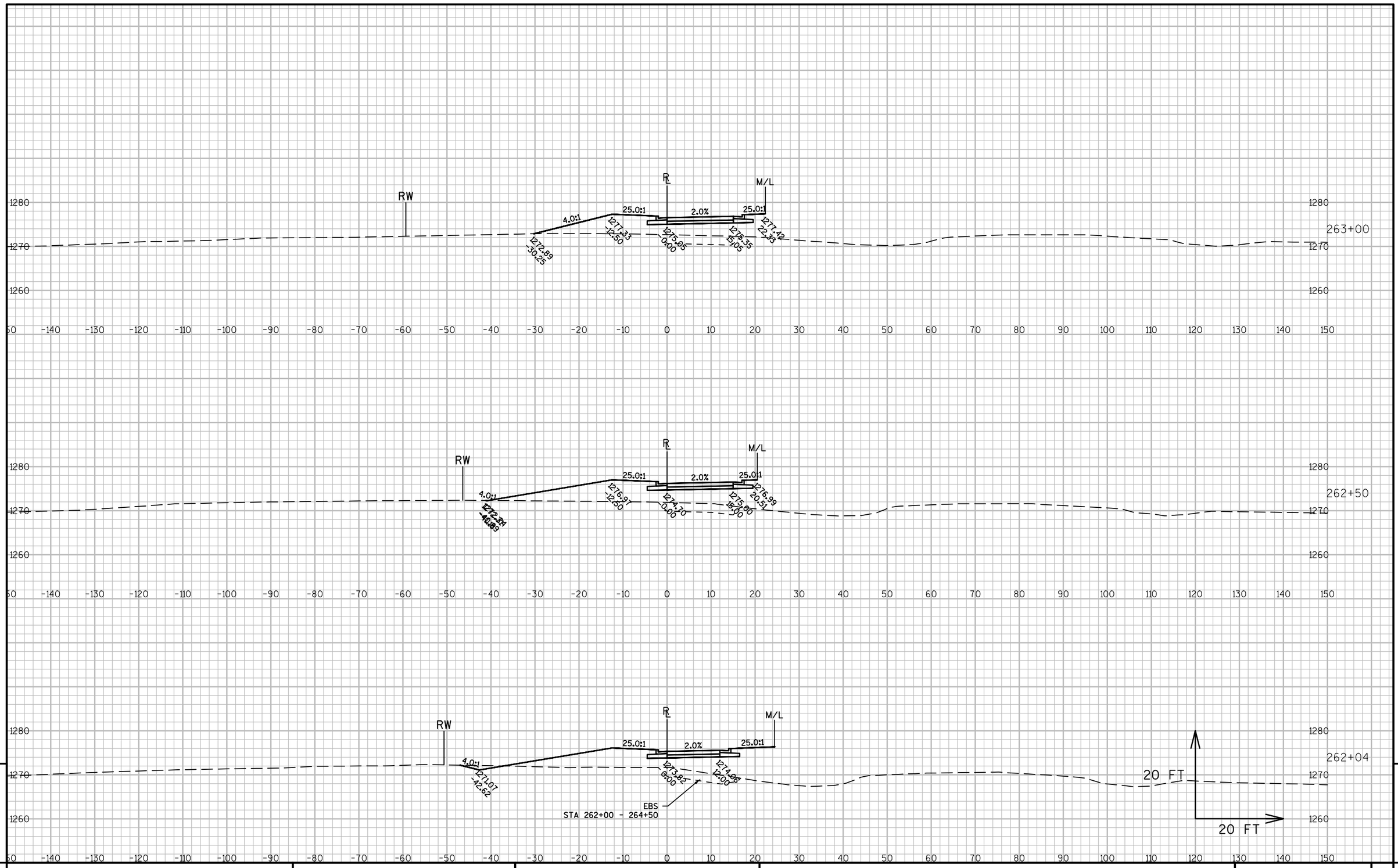
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP A (NW RAMP)	SHEET	E

9

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPA.DWG
LAYOUT NAME - SECTION SHEET - (16)

PLOT DATE : 10/5/2015 10:34 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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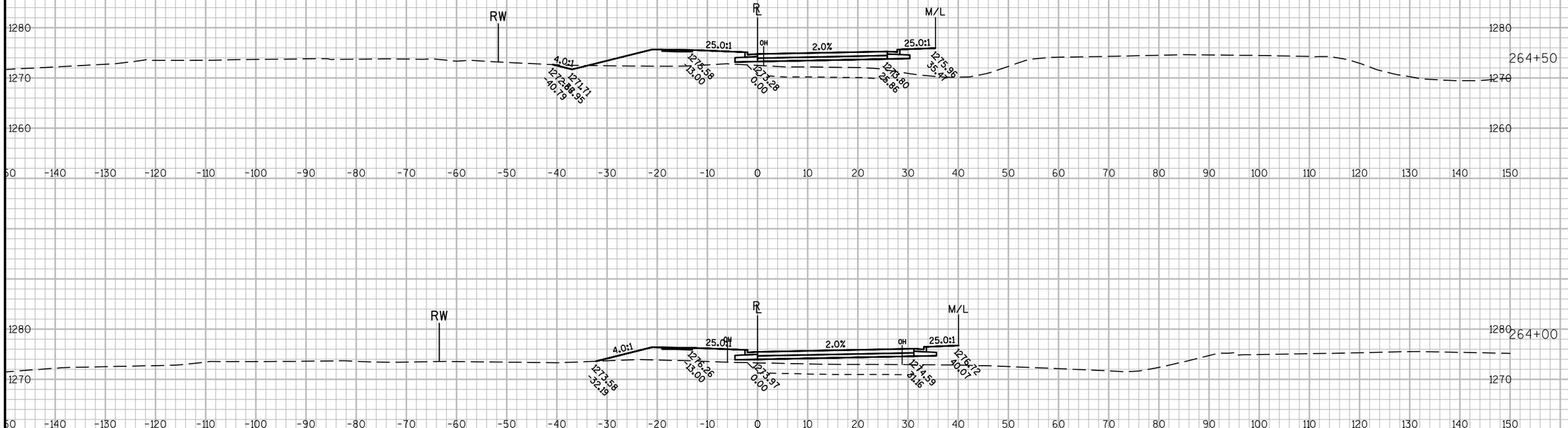
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RampA-ByPass (NW Ramp)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPA.DWG
LAYOUT NAME - SECTION SHEET - (17)

PLOT DATE : 10/5/2015 10:34 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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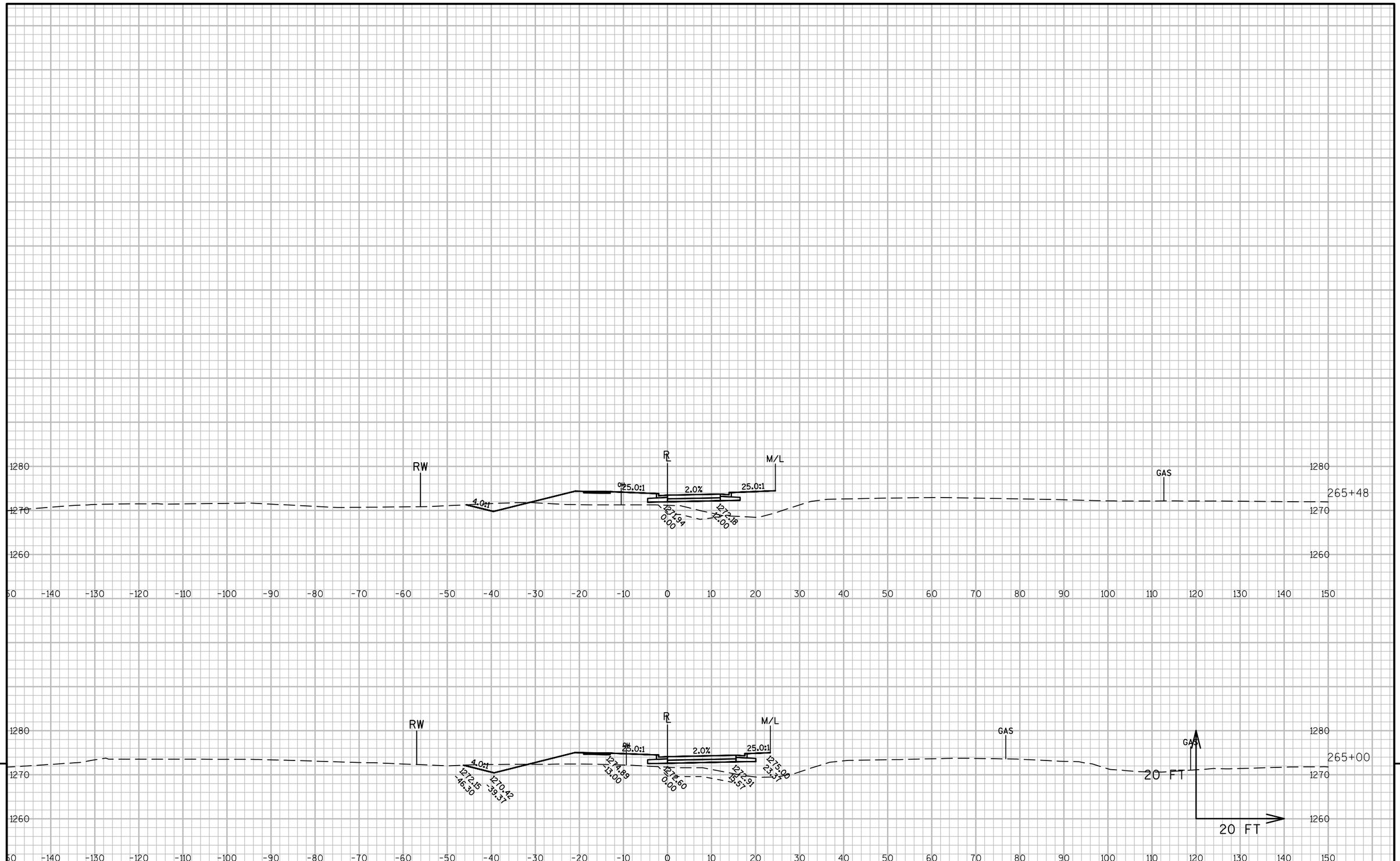
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RampA-ByPass (NW Ramp)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPA.DWG
LAYOUT NAME - SECTION SHEET - (18)

PLOT DATE : 10/5/2015 10:35 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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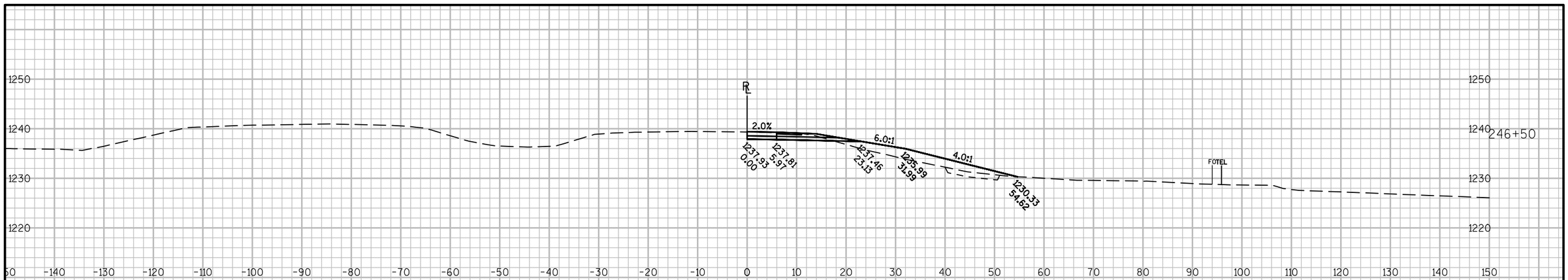
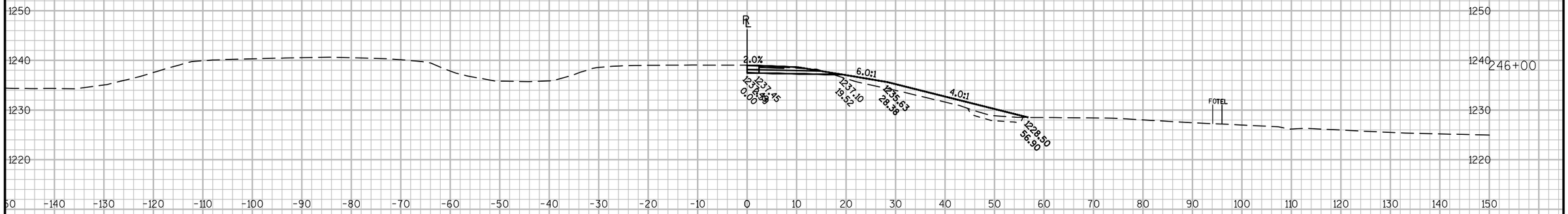
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RampA-ByPass (NW Ramp)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPA.DWG
LAYOUT NAME - SECTION SHEET - (19)
PLOT DATE : 10/5/2015 10:35 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT





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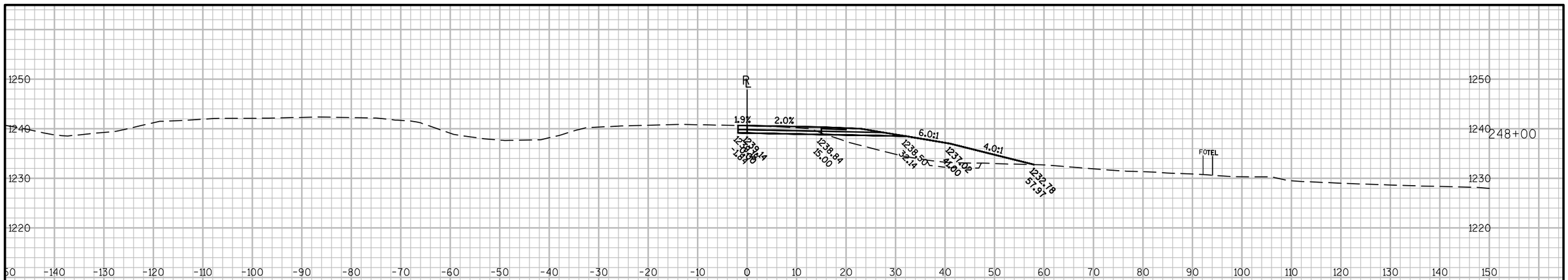
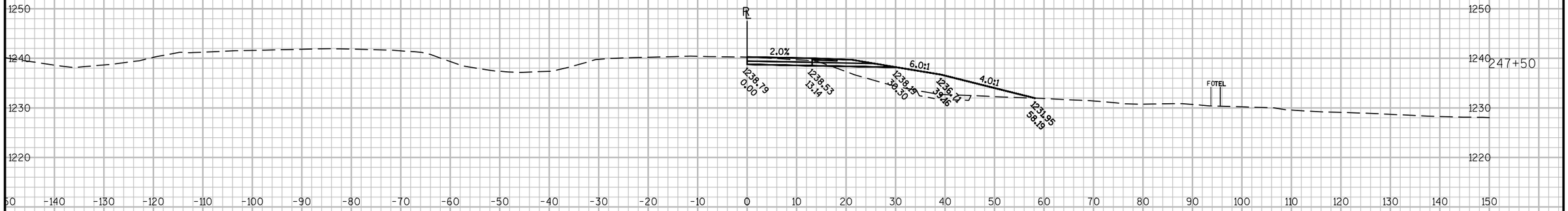
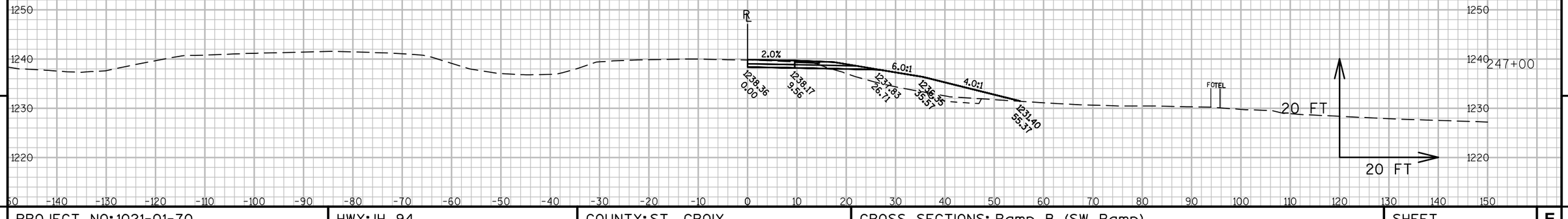
PROJECT NO:1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: Ramp B (SW Ramp)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPB.DWG
LAYOUT NAME - SECTION SHEET - (1)

PLOT DATE : 10/1/2015 1:29 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT







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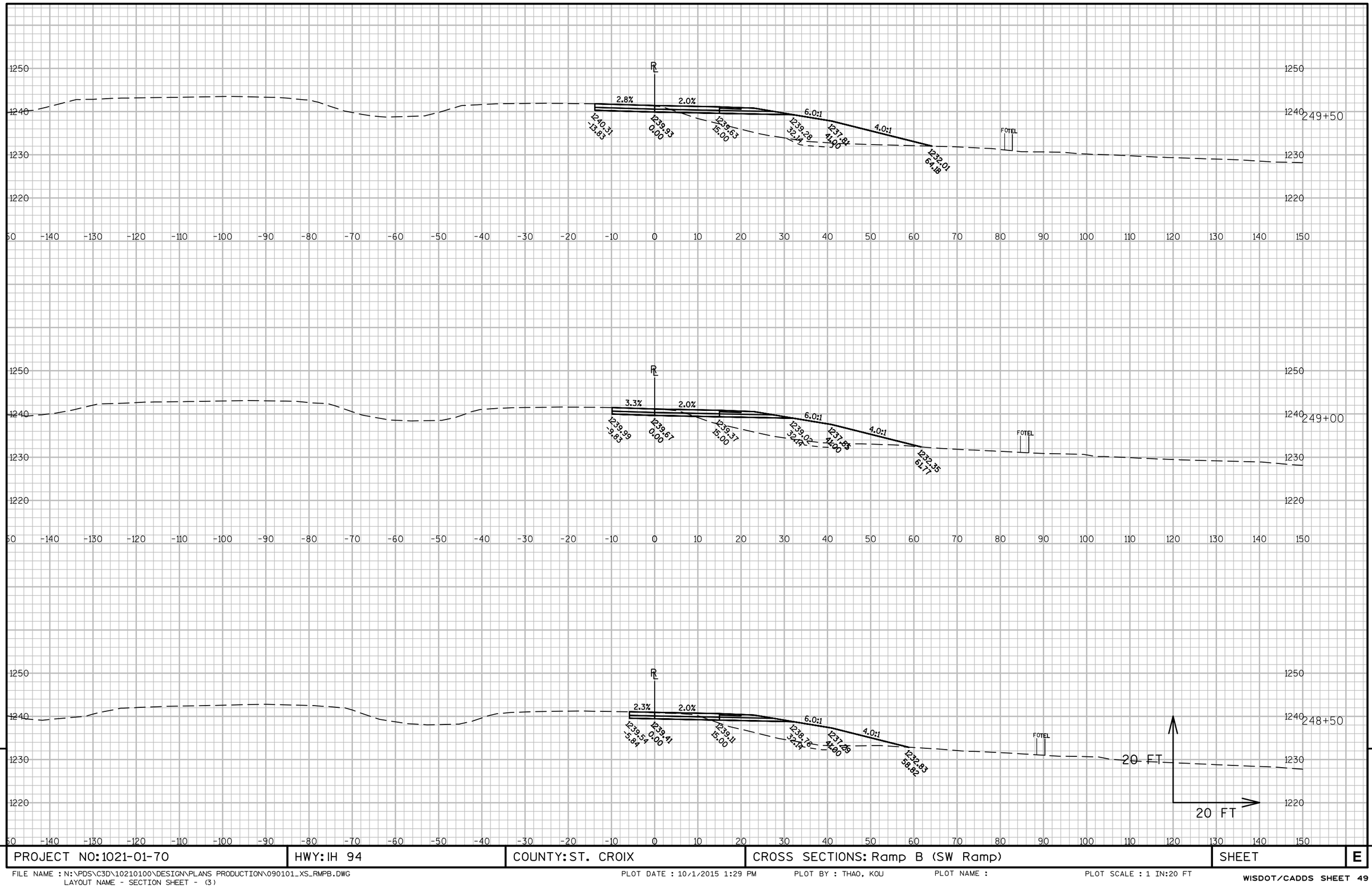
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: Ramp B (SW Ramp)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPB.DWG
LAYOUT NAME - SECTION SHEET - (2)

PLOT DATE : 10/1/2015 1:29 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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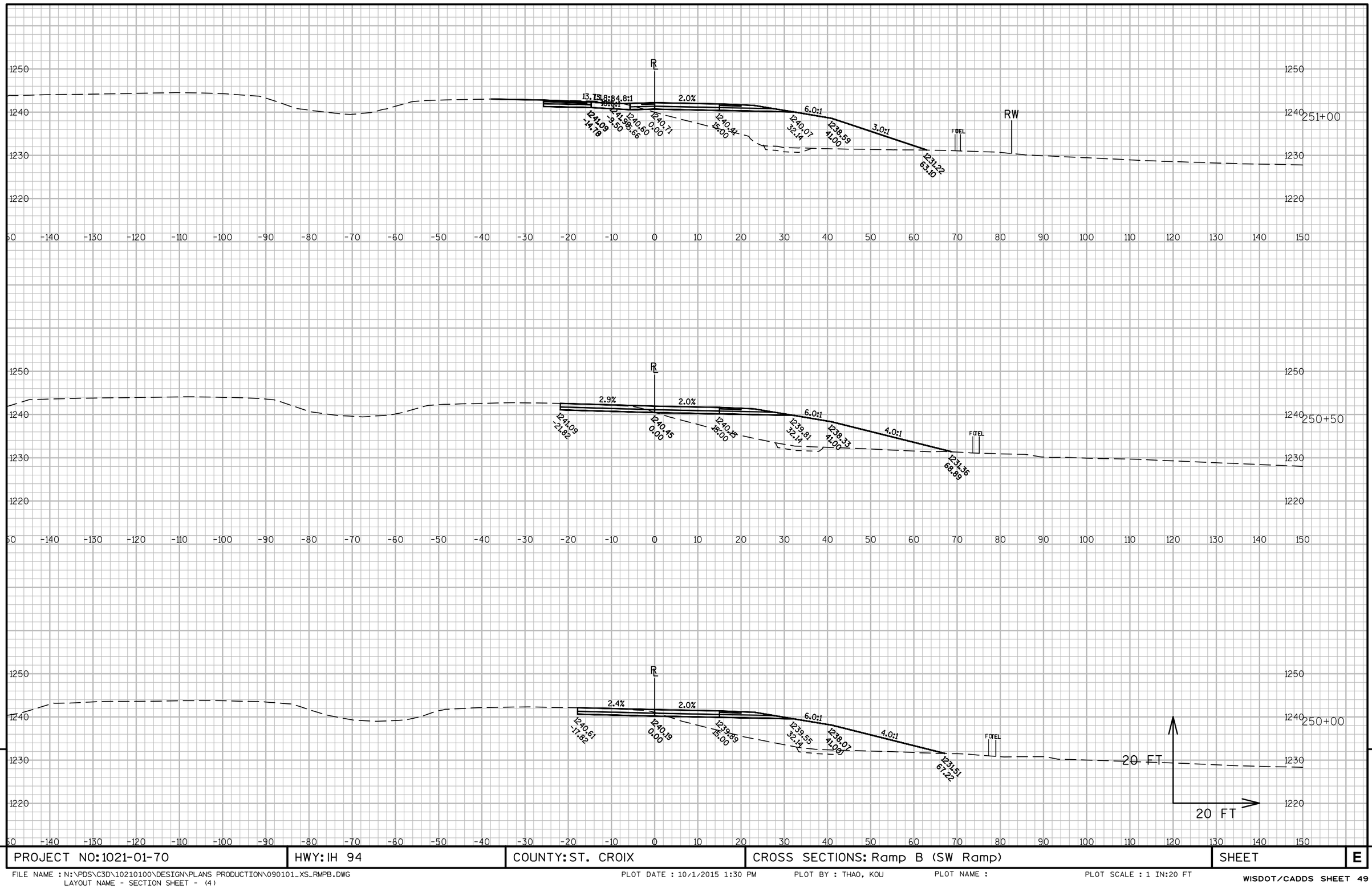
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: Ramp B (SW Ramp)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPB.DWG
LAYOUT NAME - SECTION SHEET - (3)
PLOT DATE : 10/1/2015 1:29 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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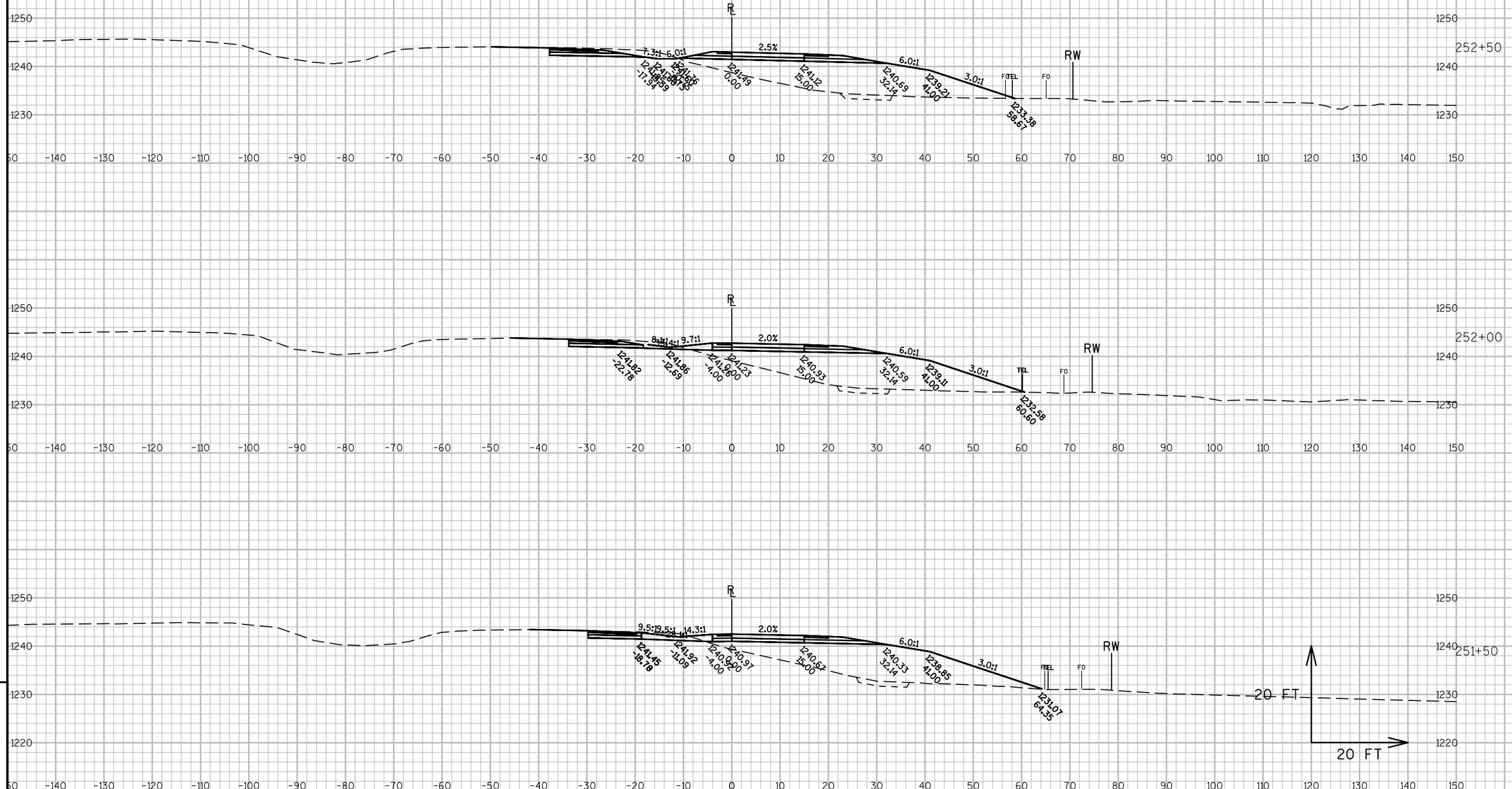
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: Ramp B (SW Ramp)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPB.DWG
LAYOUT NAME - SECTION SHEET - (4)

PLOT DATE : 10/1/2015 1:30 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: Ramp B (SW Ramp)	SHEET E

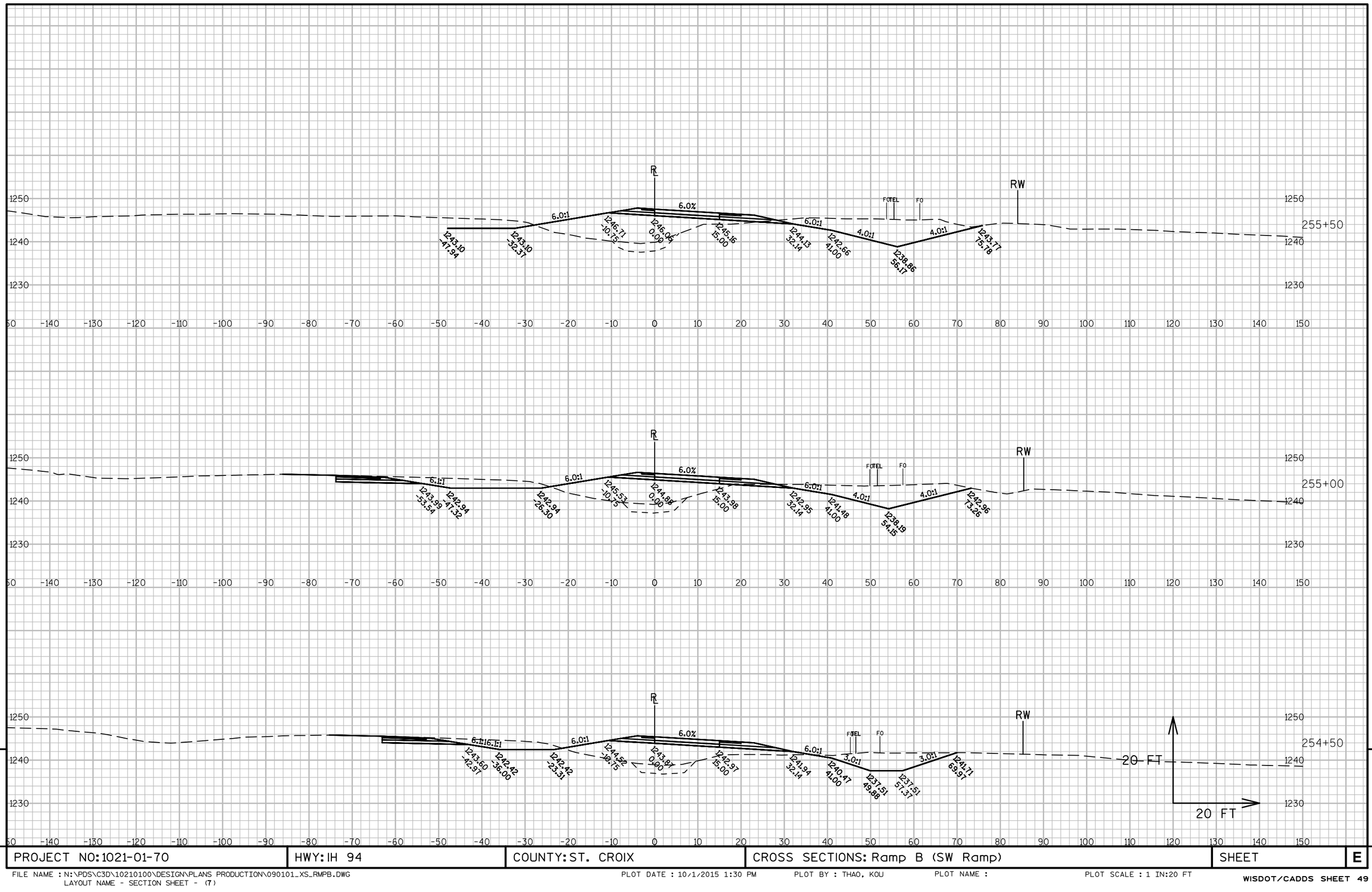
FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPB.DWG
LAYOUT NAME - SECTION SHEET - (5)

PLOT DATE : 10/1/2015 1:30 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: Ramp B (SW Ramp)	SHEET E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPB.DWG
LAYOUT NAME - SECTION SHEET - (6)

PLOT DATE : 10/1/2015 1:30 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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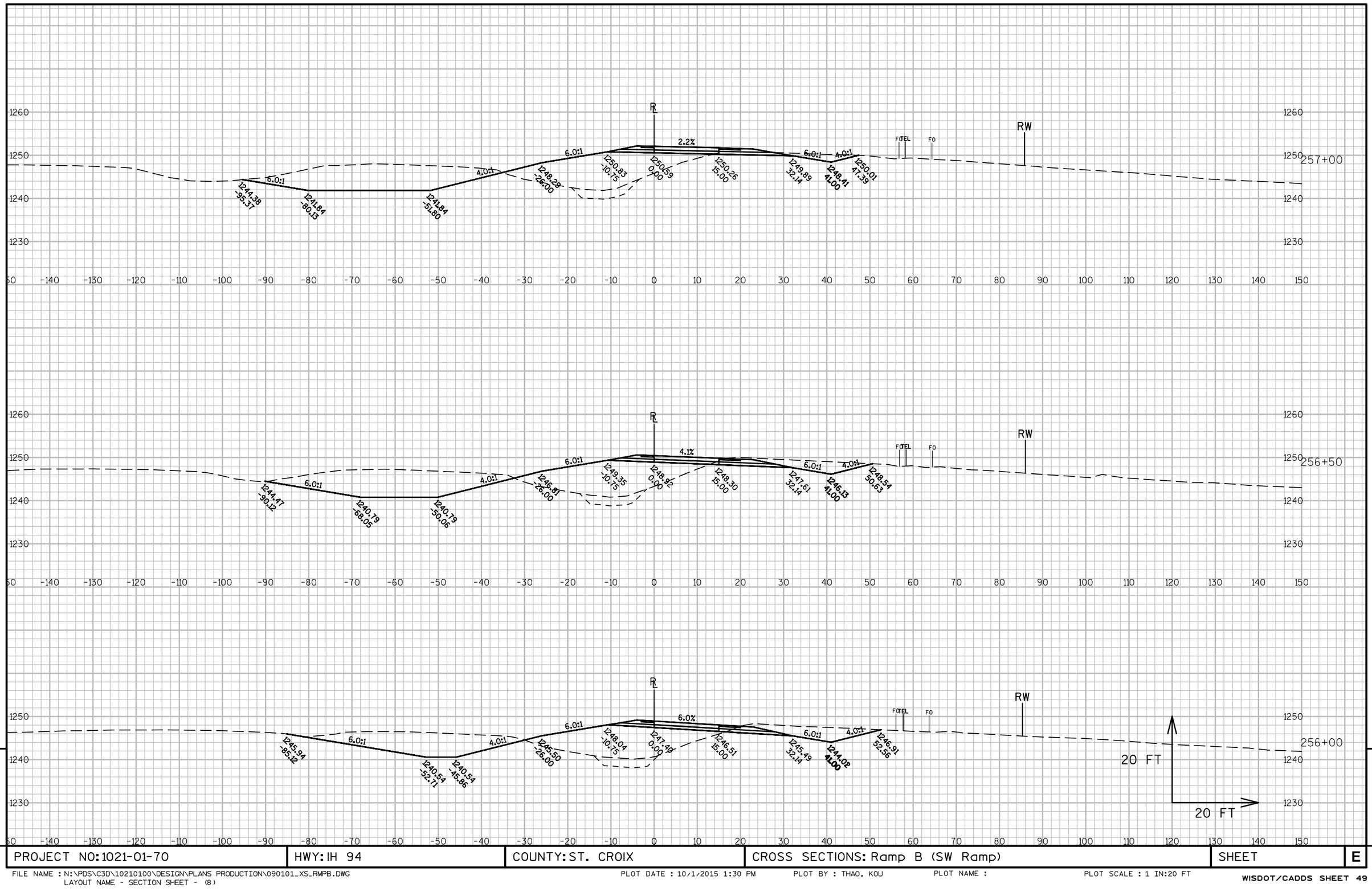
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: Ramp B (SW Ramp)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPB.DWG
LAYOUT NAME - SECTION SHEET - (7)

PLOT DATE : 10/1/2015 1:30 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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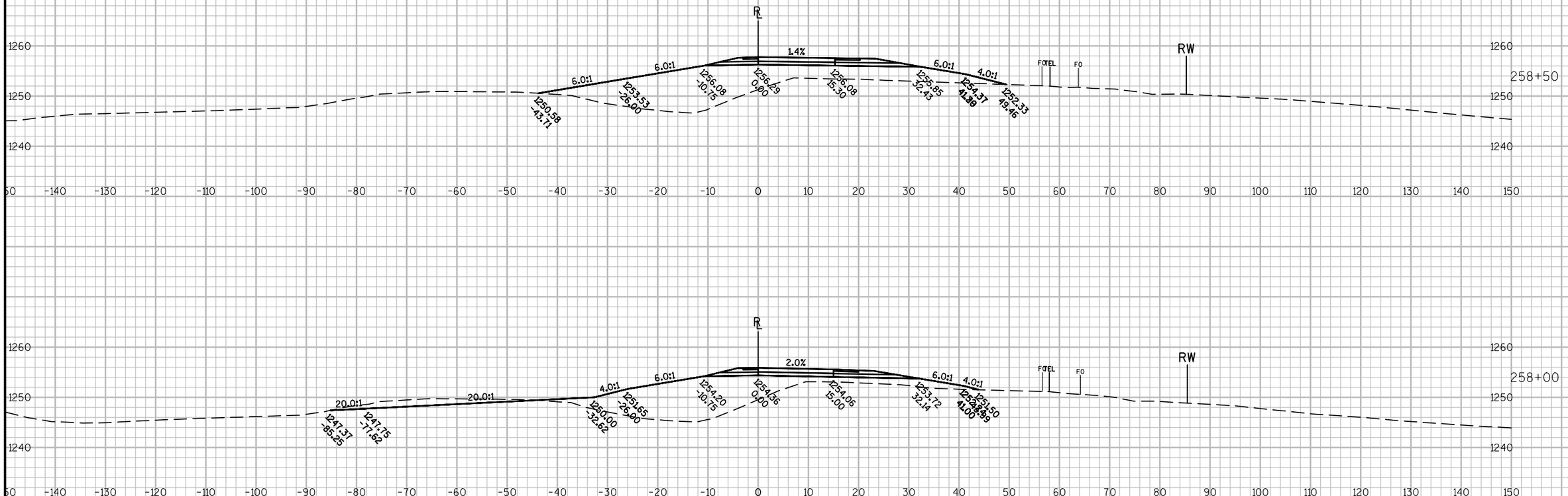
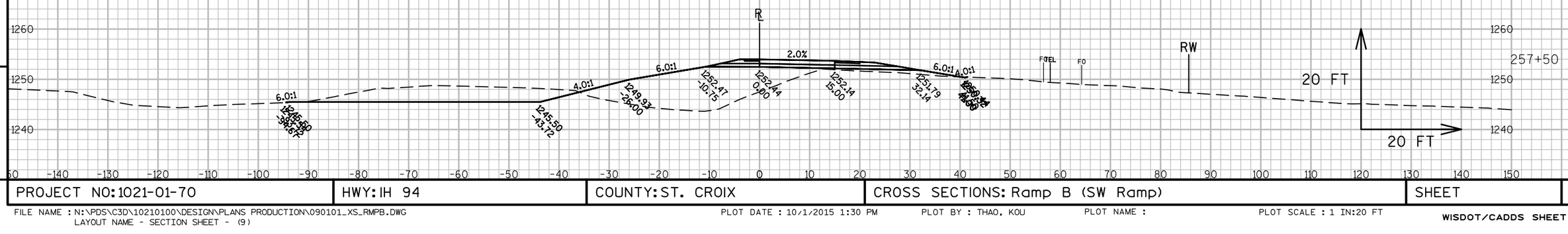
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: Ramp B (SW Ramp)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPB.DWG
LAYOUT NAME - SECTION SHEET - (8)

PLOT DATE : 10/1/2015 1:30 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT





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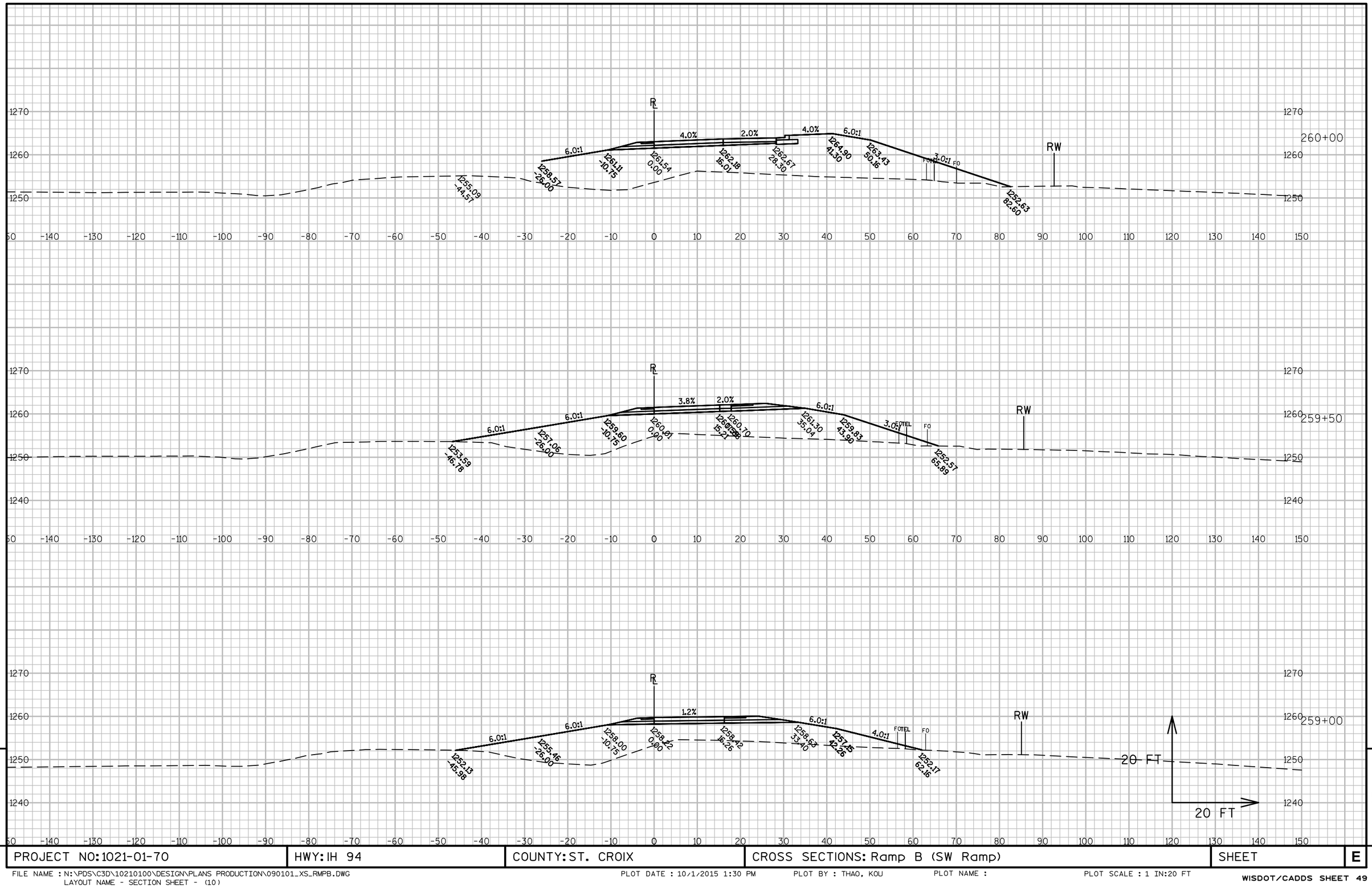
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: Ramp B (SW Ramp)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPB.DWG
LAYOUT NAME - SECTION SHEET - (9)

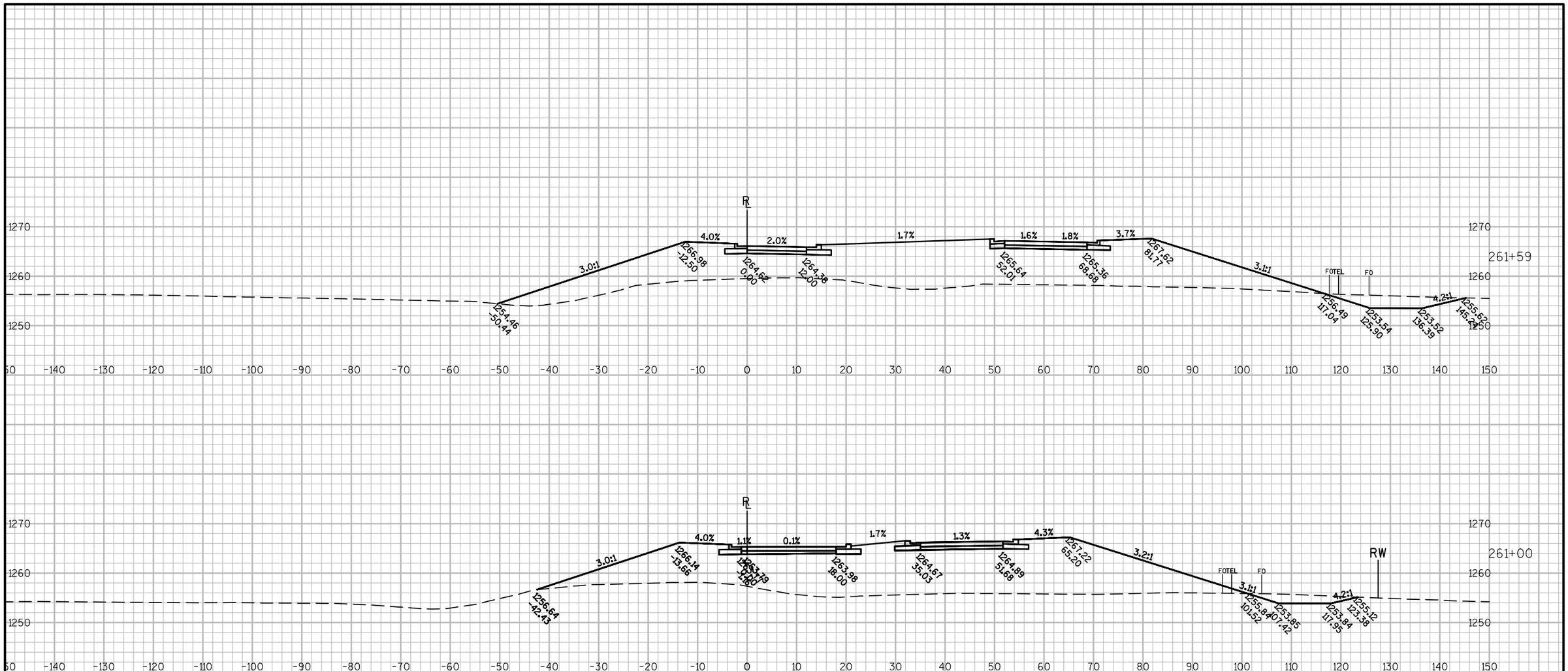
PLOT DATE : 10/1/2015 1:30 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: Ramp B (SW Ramp)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPB.DWG
LAYOUT NAME - SECTION SHEET - (10)

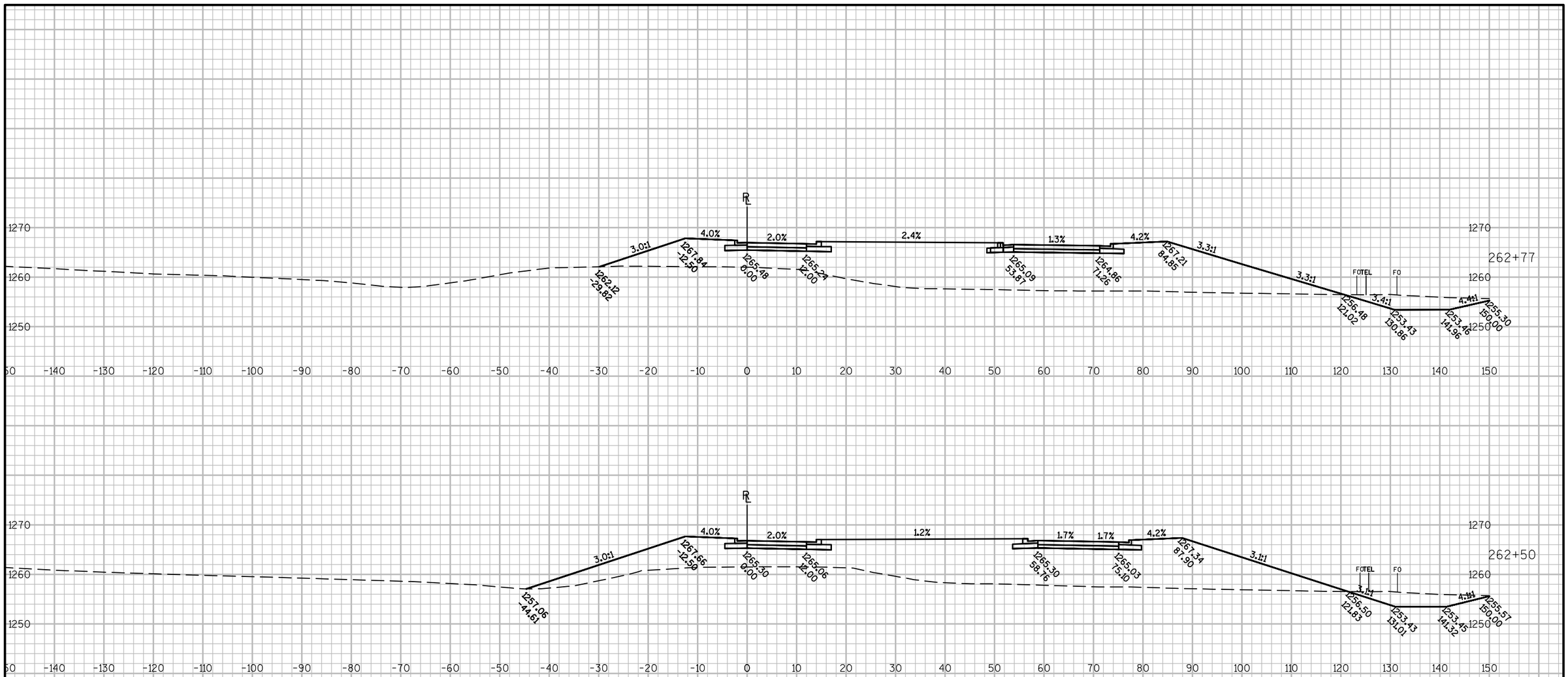
PLOT DATE : 10/1/2015 1:30 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: Ramp B (SW Ramp)	SHEET E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPB.DWG
LAYOUT NAME - SECTION SHEET - (11)

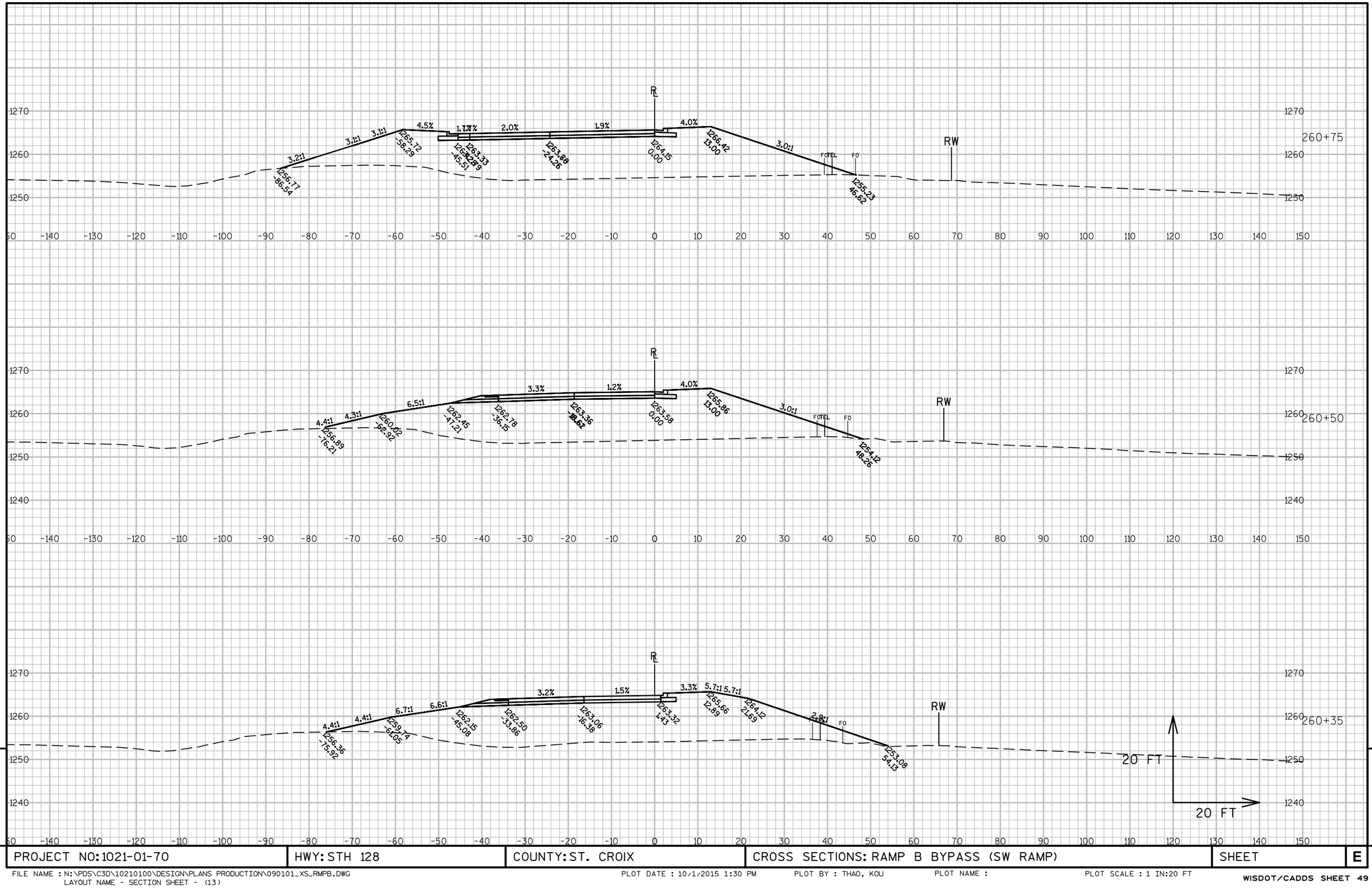
PLOT DATE : 10/1/2015 1:30 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: Ramp B (SW Ramp)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPB.DWG
LAYOUT NAME - SECTION SHEET - (12)

PLOT DATE : 10/1/2015 1:30 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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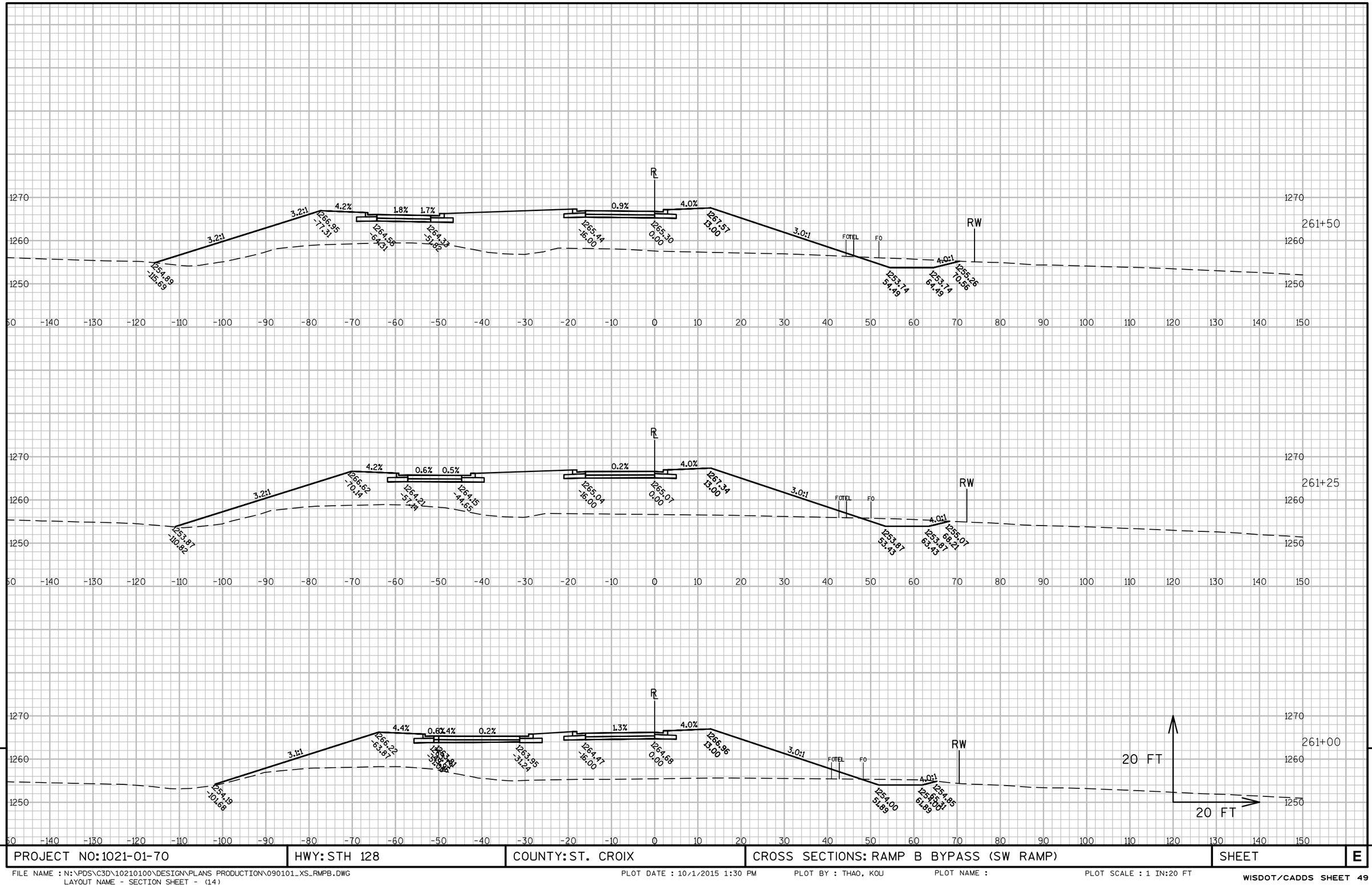
PROJECT NO: 1021-01-70	HWY: STH 128	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP B BYPASS (SW RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPB.DWG
LAYOUT NAME - SECTION SHEET - (13)

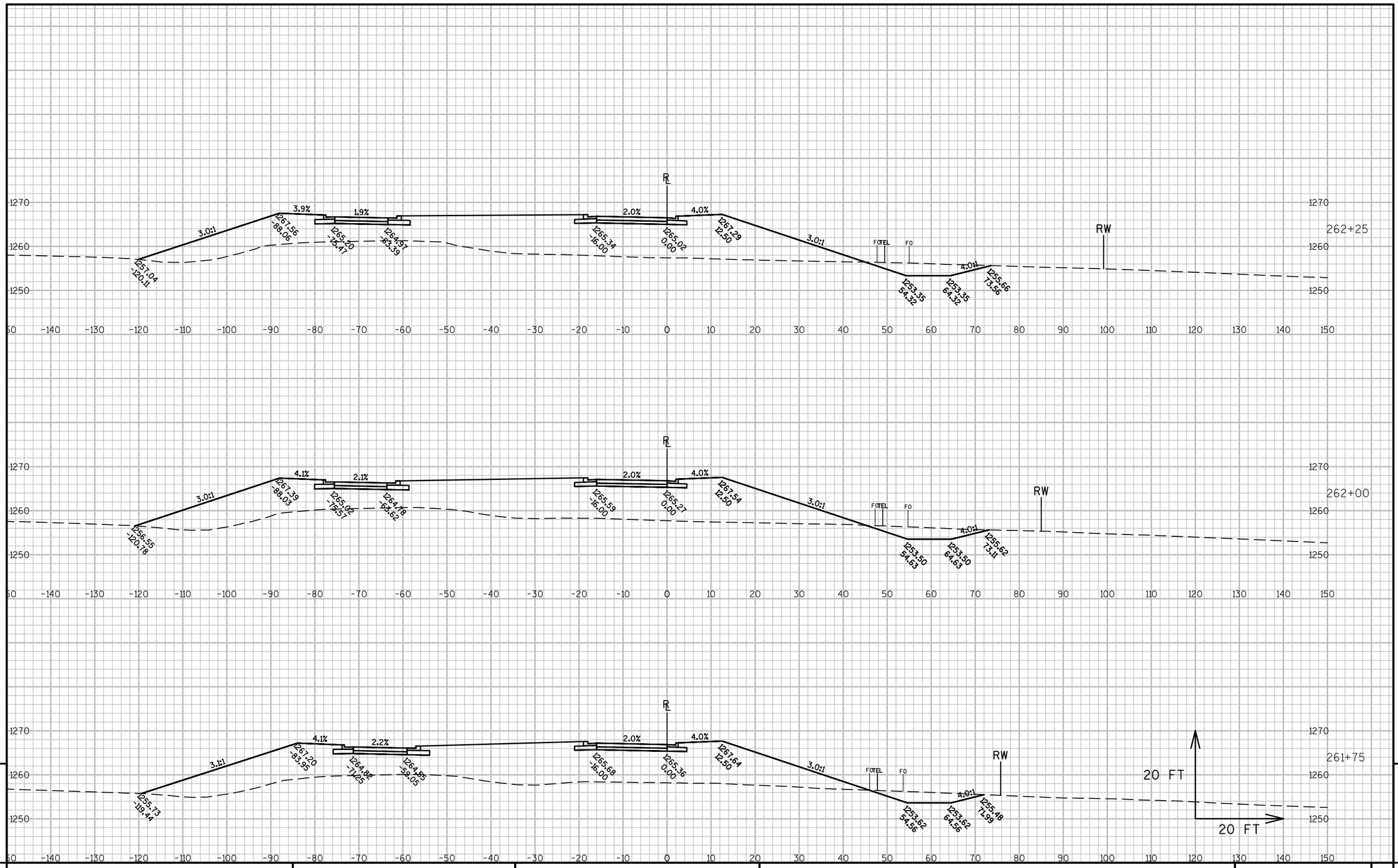
PLOT DATE : 10/1/2015 1:30 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO: 1021-01-70	HWY: STH 128	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP B BYPASS (SW RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPB.DWG
LAYOUT NAME - SECTION SHEET - (14)

PLOT DATE : 10/1/2015 1:30 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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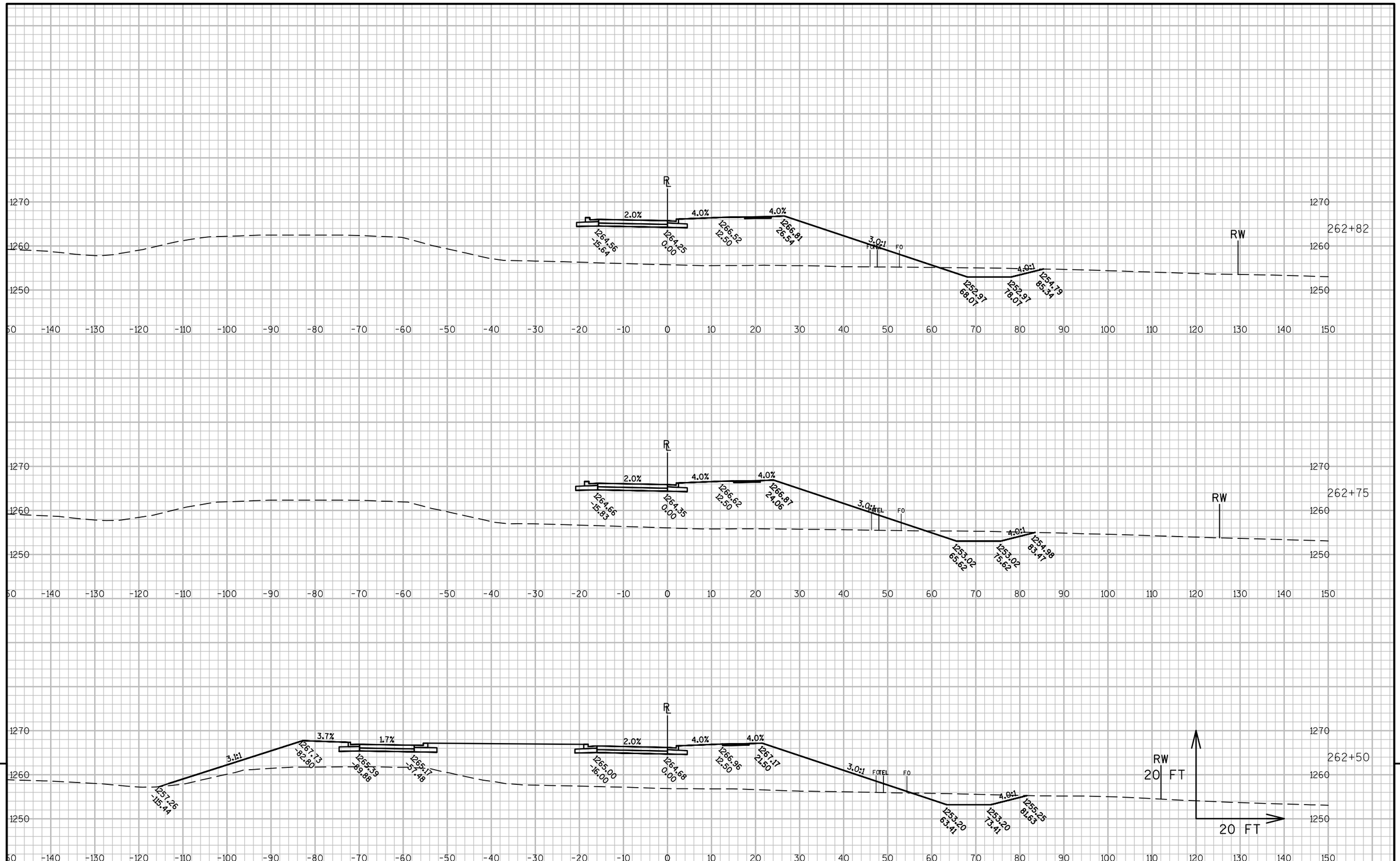
PROJECT NO: 1021-01-70	HWY: STH 128	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP B BYPASS (SW RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPB.DWG
LAYOUT NAME - SECTION SHEET - (15)

PLOT DATE : 10/1/2015 1:31 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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PROJECT NO: 1021-01-70	HWY: STH 128	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP B BYPASS (SW RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPB.DWG
LAYOUT NAME - SECTION SHEET - (16)

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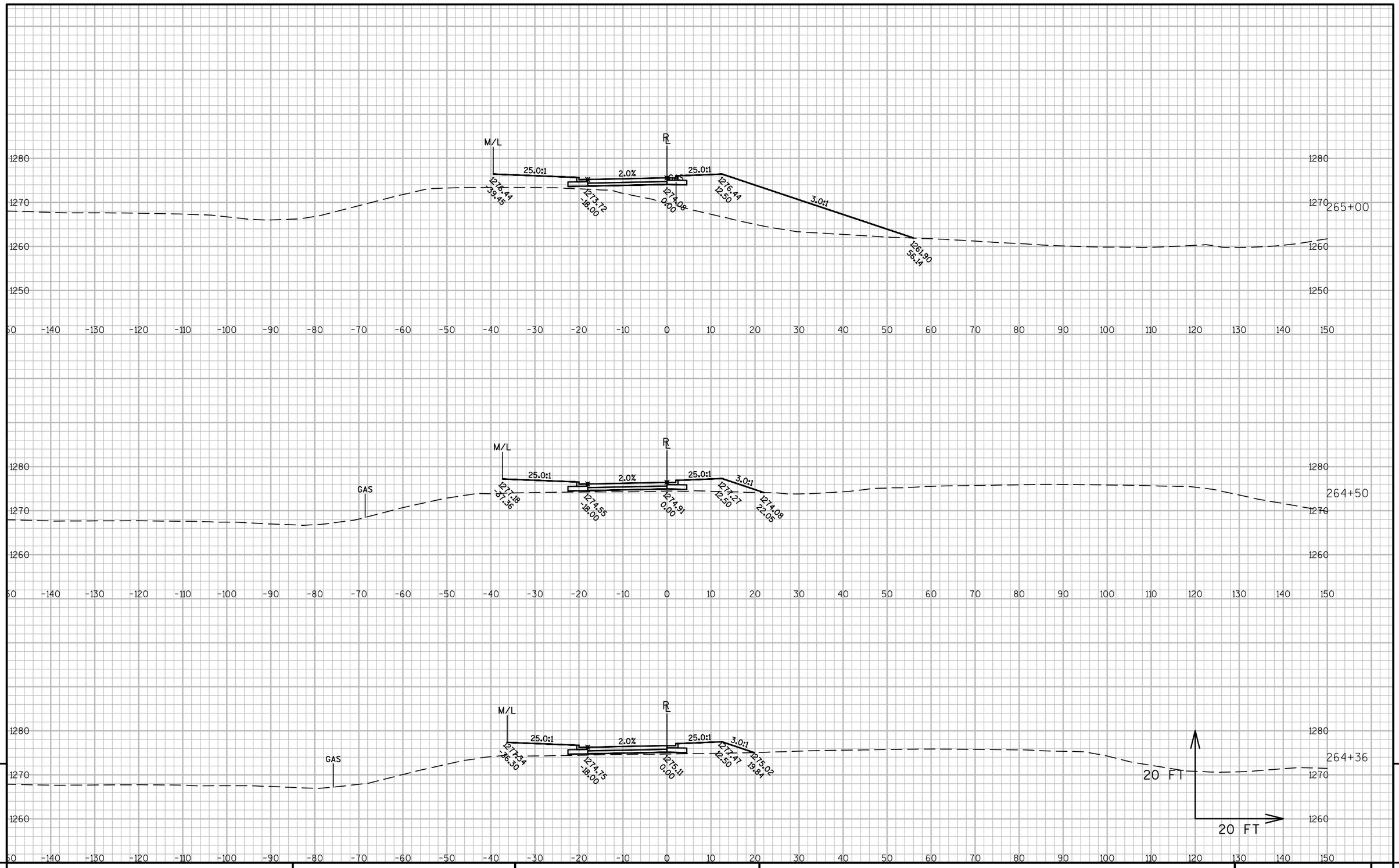

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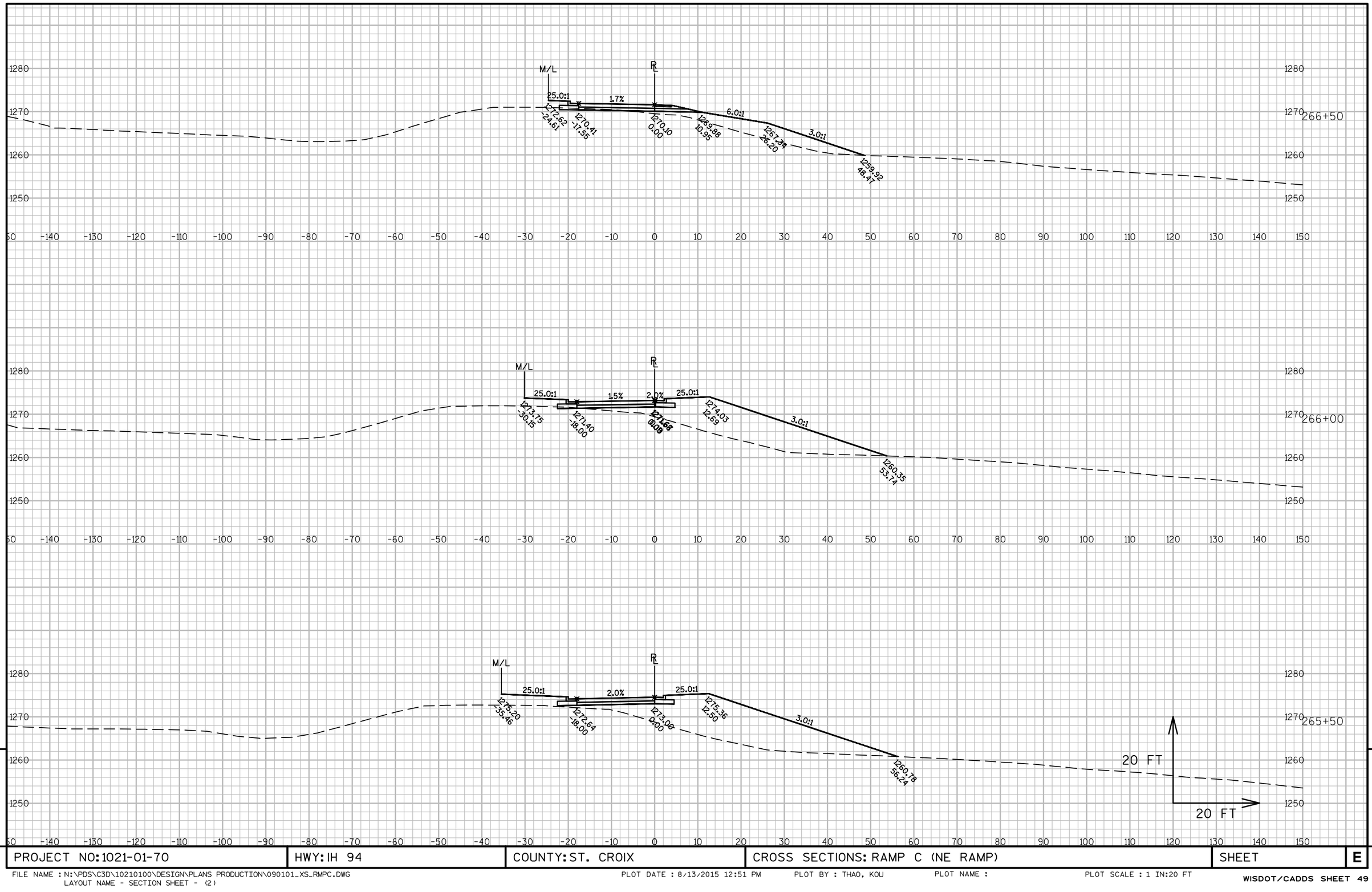
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP C (NE RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPC.DWG
LAYOUT NAME - SECTION SHEET - (1)

PLOT DATE : 8/13/2015 12:51 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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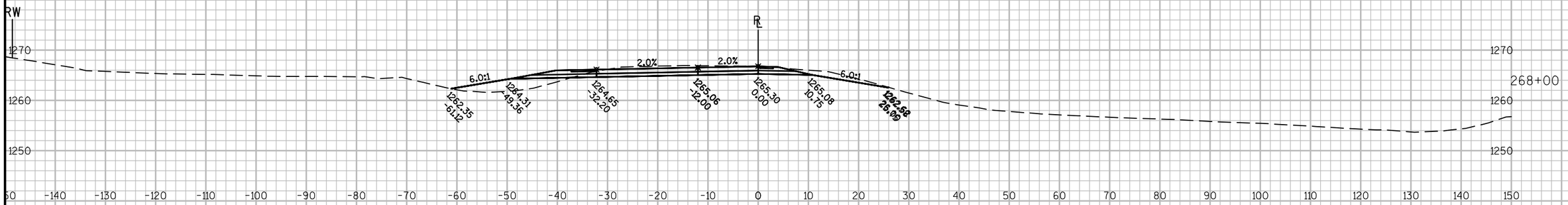
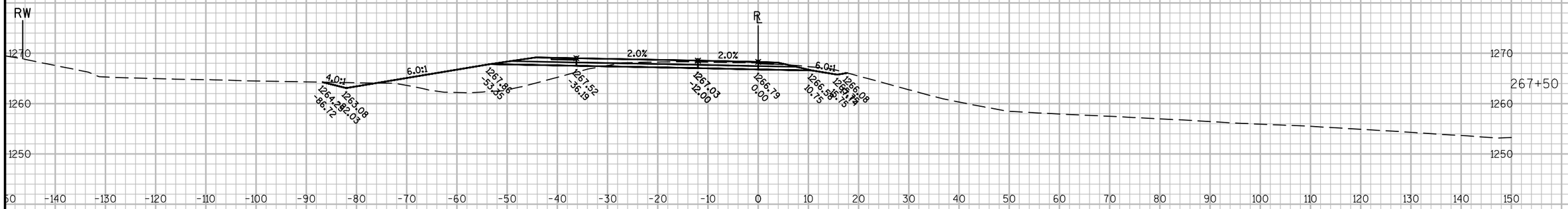
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP C (NE RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPC.DWG
LAYOUT NAME - SECTION SHEET - (2)

PLOT DATE : 8/13/2015 12:51 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT





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PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP C (NE RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPC.DWG
LAYOUT NAME - SECTION SHEET - (3)

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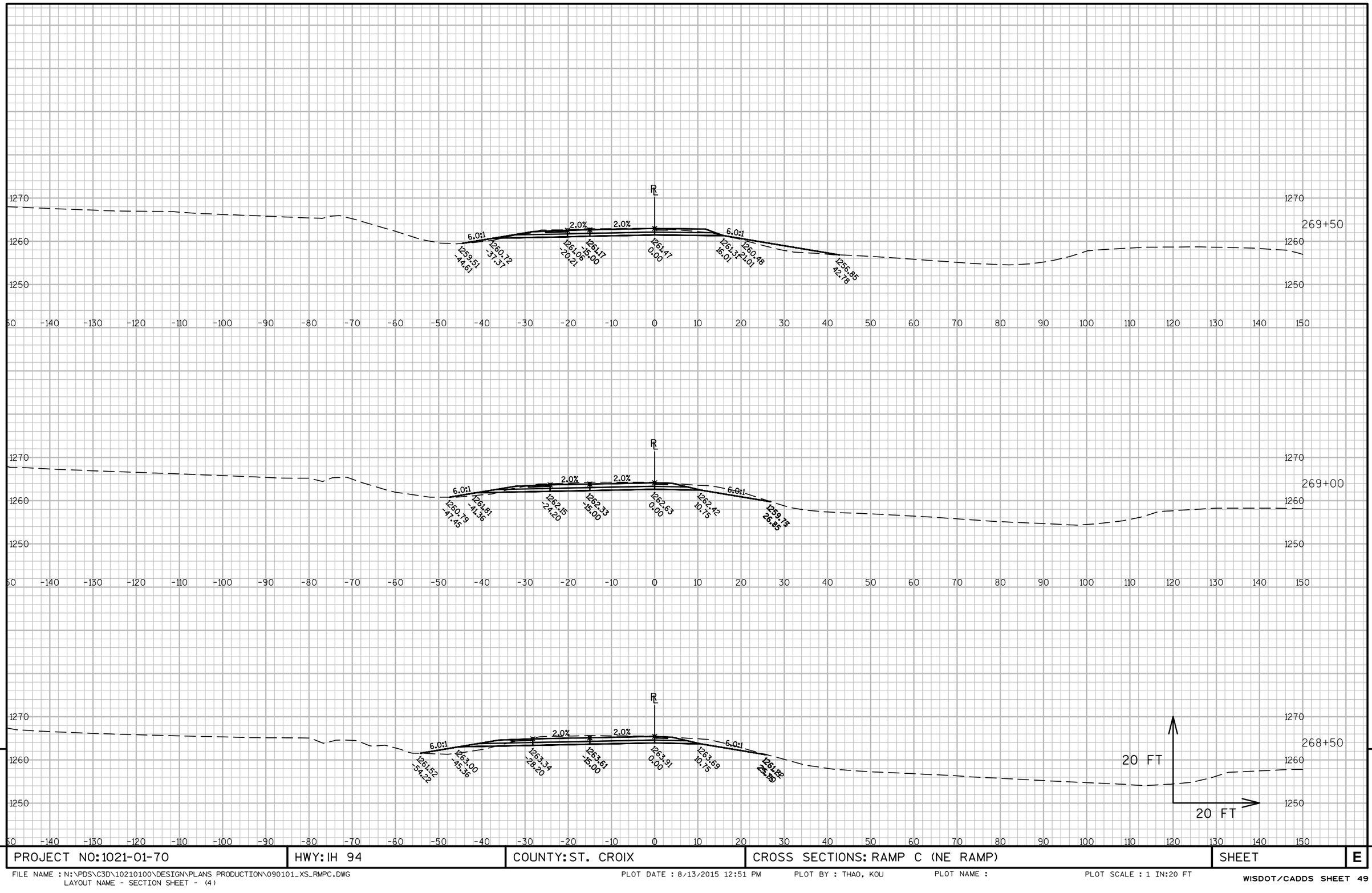

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP C (NE RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPC.DWG
LAYOUT NAME - SECTION SHEET - (4)

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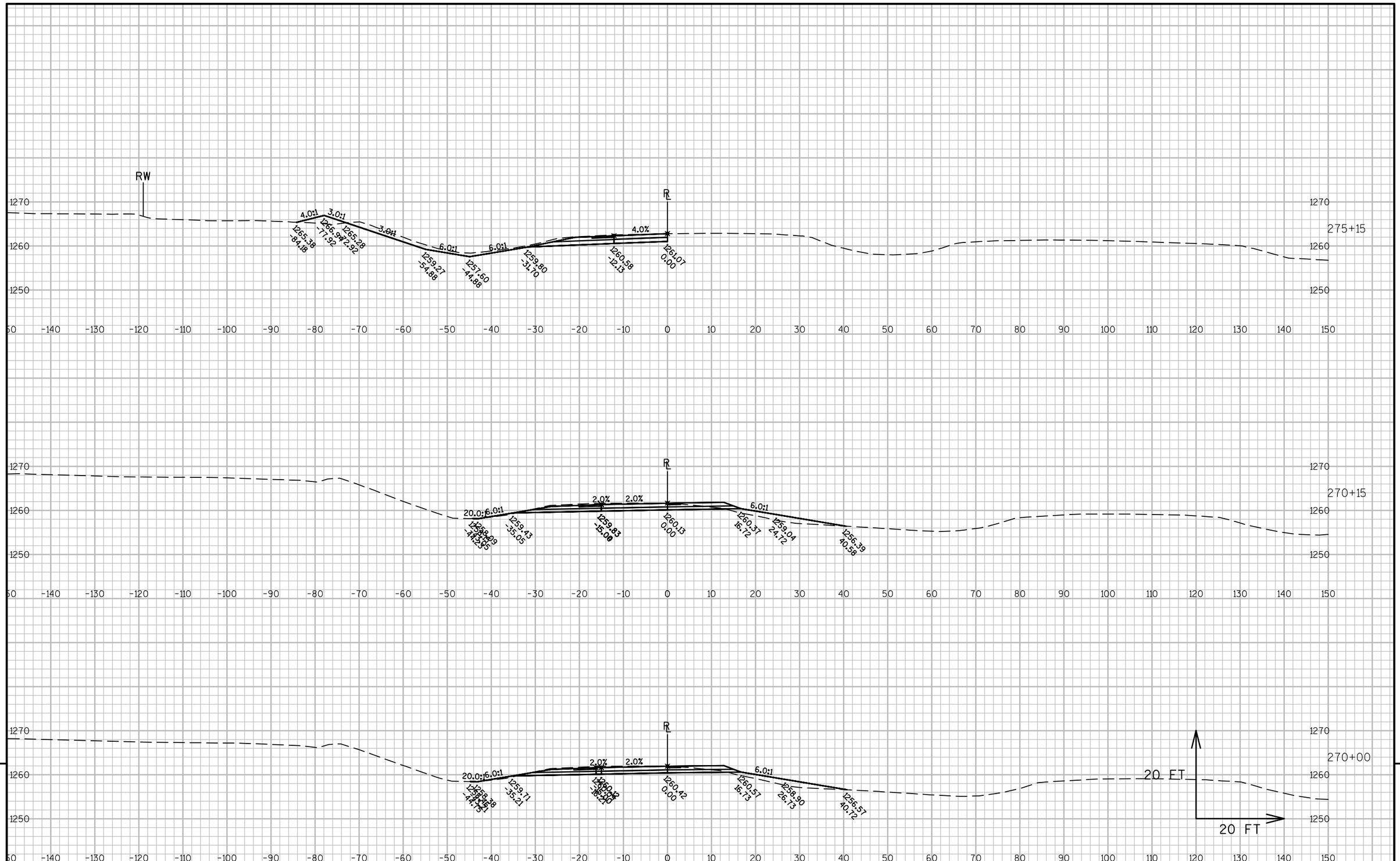

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PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP C (NE RAMP)	SHEET	E

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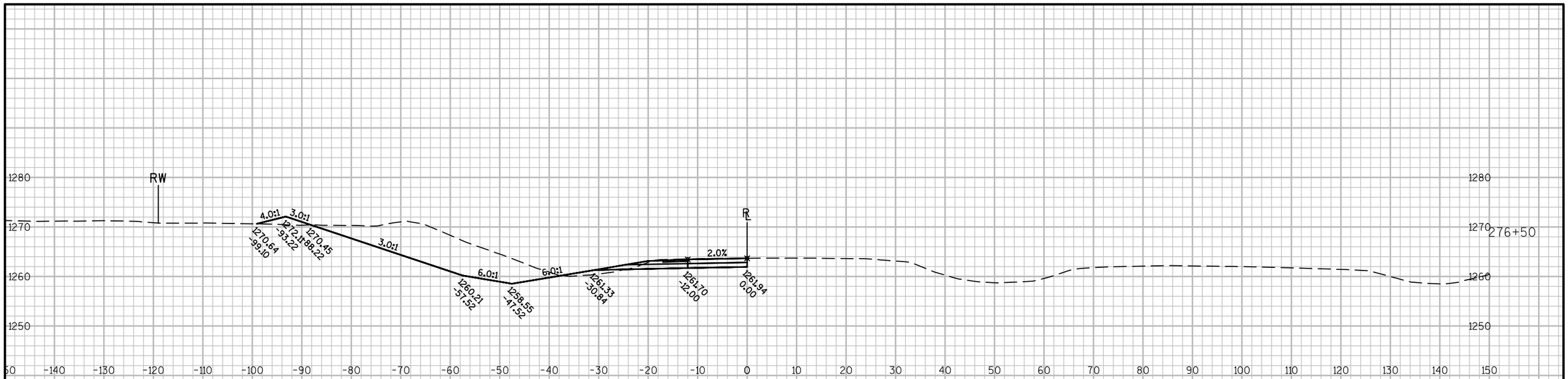
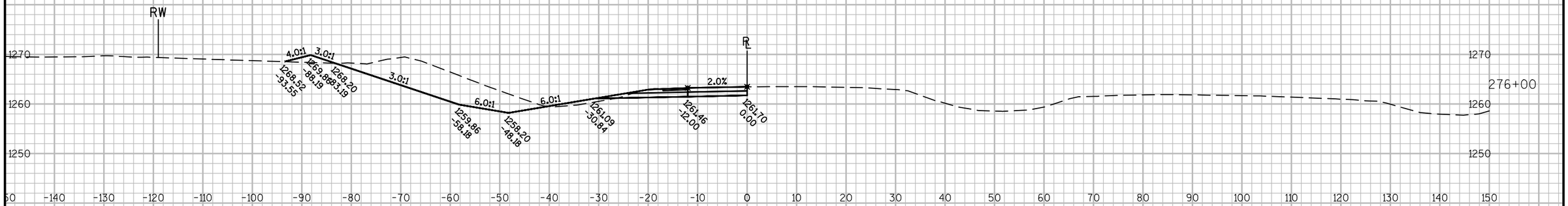
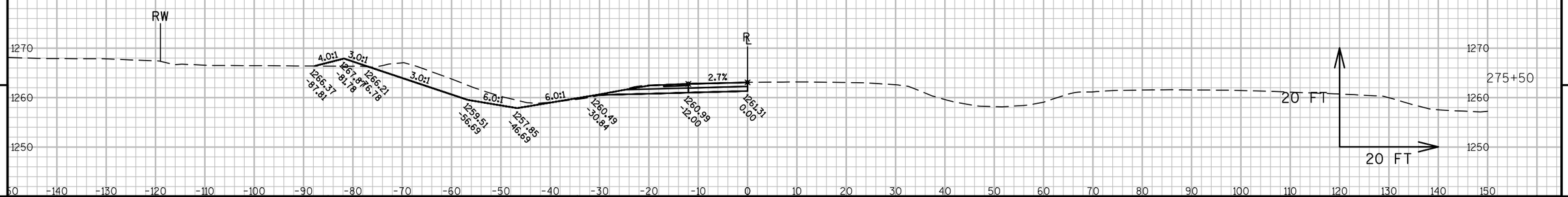
FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPC.DWG
LAYOUT NAME - SECTION SHEET - (5)
PLOT DATE : 8/13/2015 12:51 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



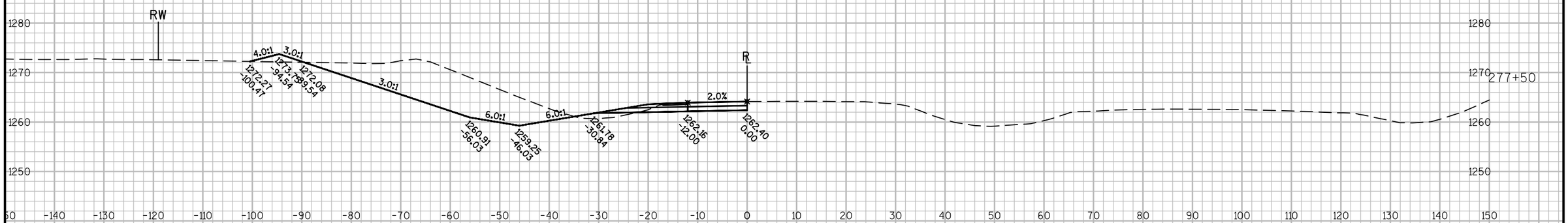


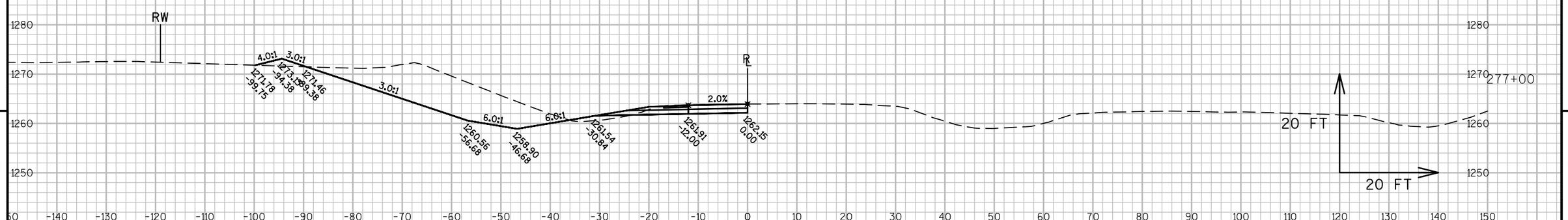


PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP C (NE RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPC.DWG
LAYOUT NAME - SECTION SHEET - (6)

PLOT DATE : 8/13/2015 12:51 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT





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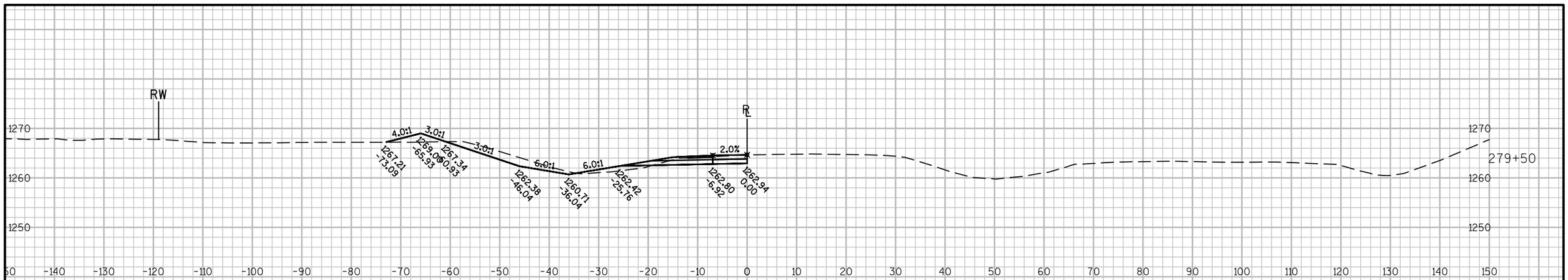
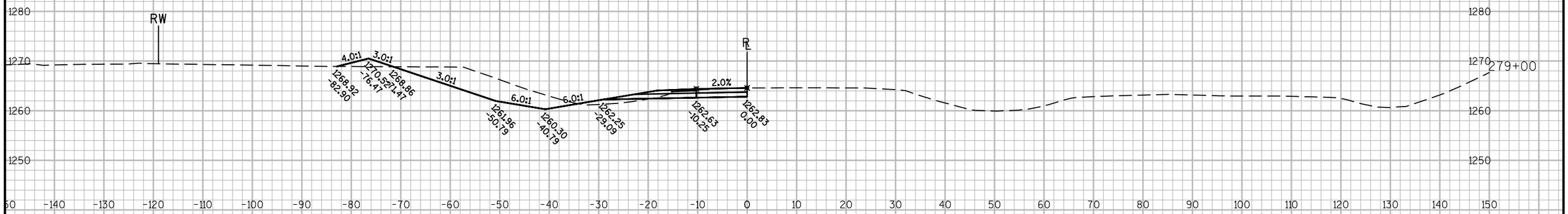
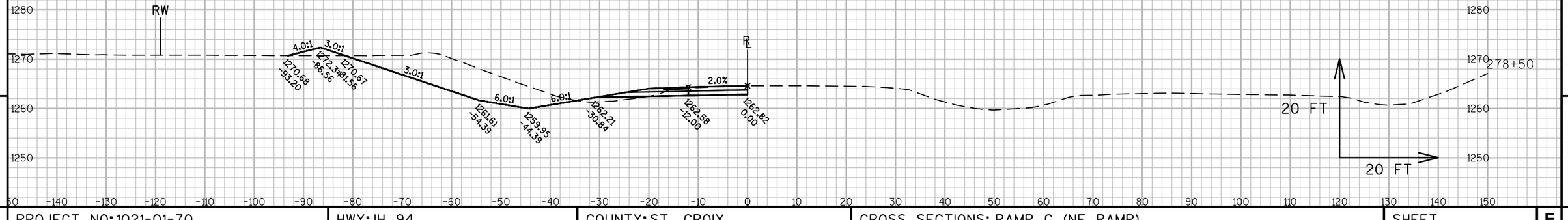
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP C (NE RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPC.DWG
LAYOUT NAME - SECTION SHEET - (7)
PLOT DATE : 8/13/2015 12:51 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT







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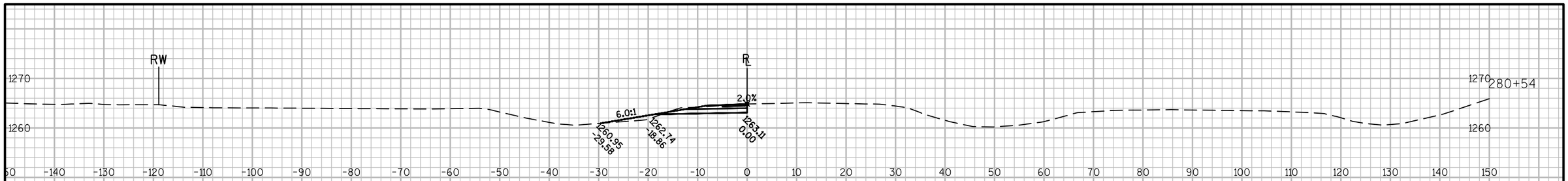
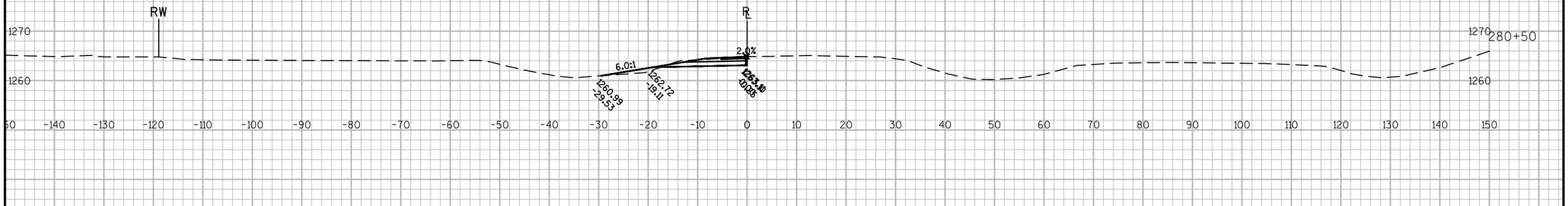
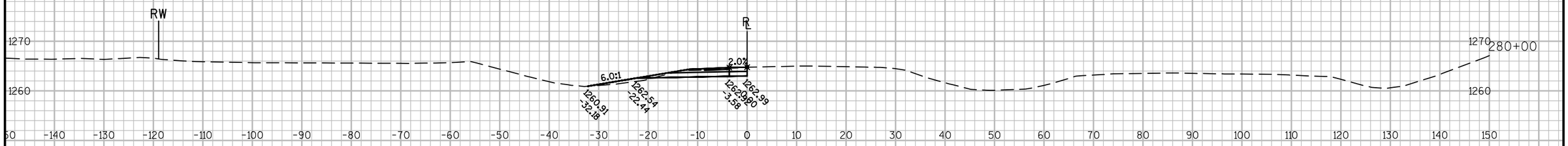
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP C (NE RAMP)	SHEET	E

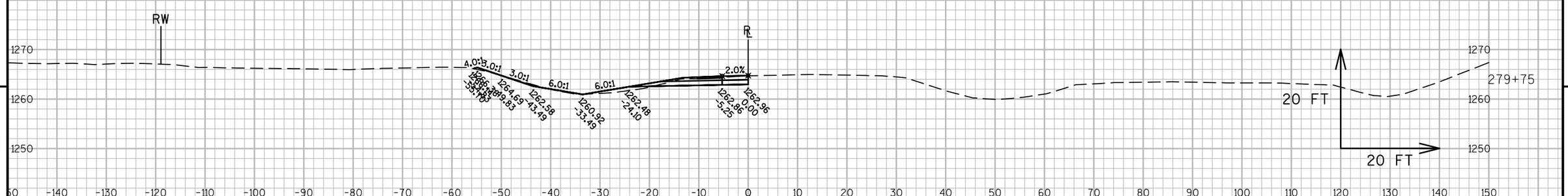
FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPC.DWG
LAYOUT NAME - SECTION SHEET - (8)

PLOT DATE : 8/13/2015 12:51 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT









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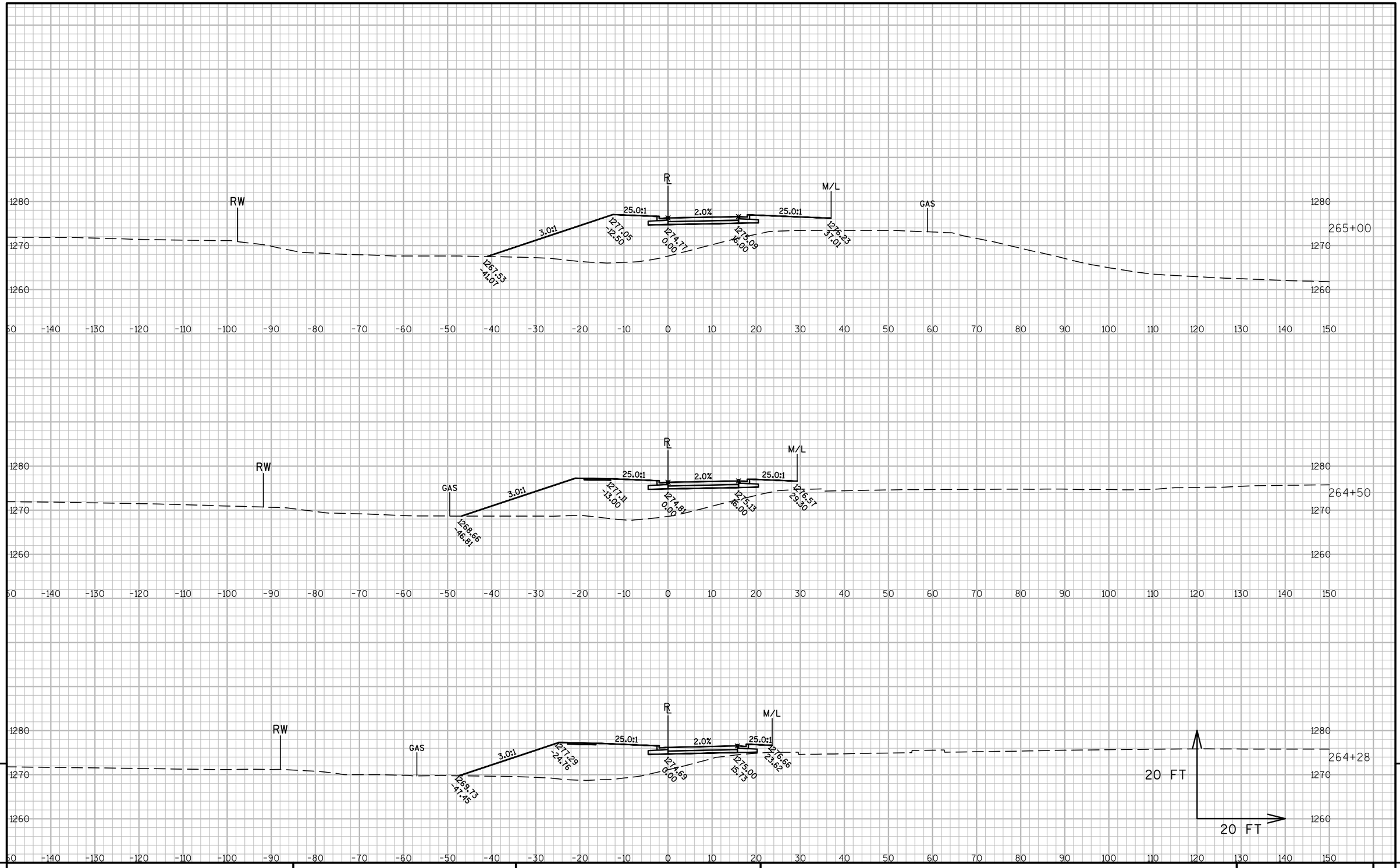
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP C (NE RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPC.DWG
LAYOUT NAME - SECTION SHEET - (9)
PLOT DATE : 8/13/2015 12:51 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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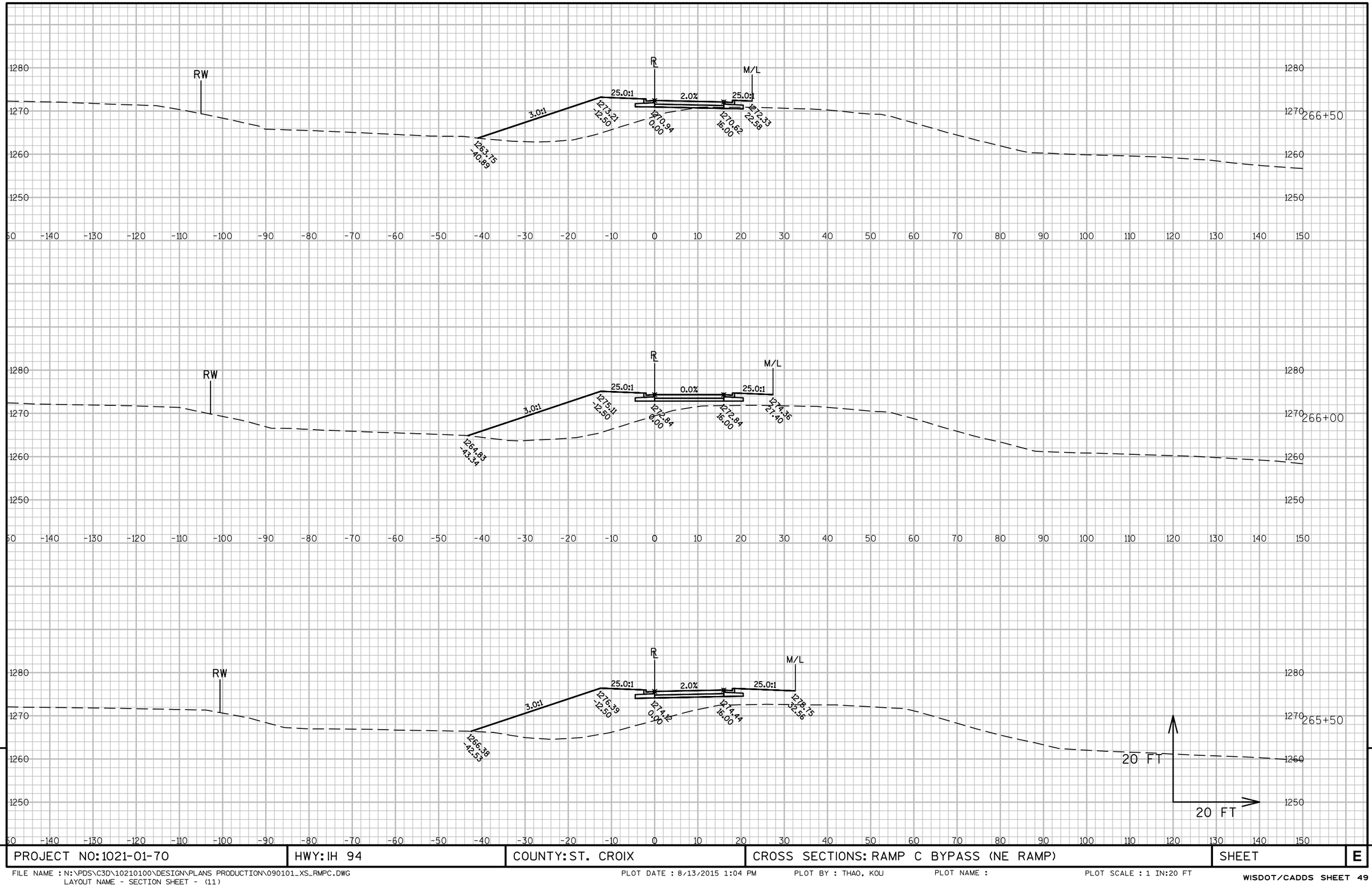
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP C BYPASS (NE RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPC.DWG
LAYOUT NAME - SECTION SHEET - (10)

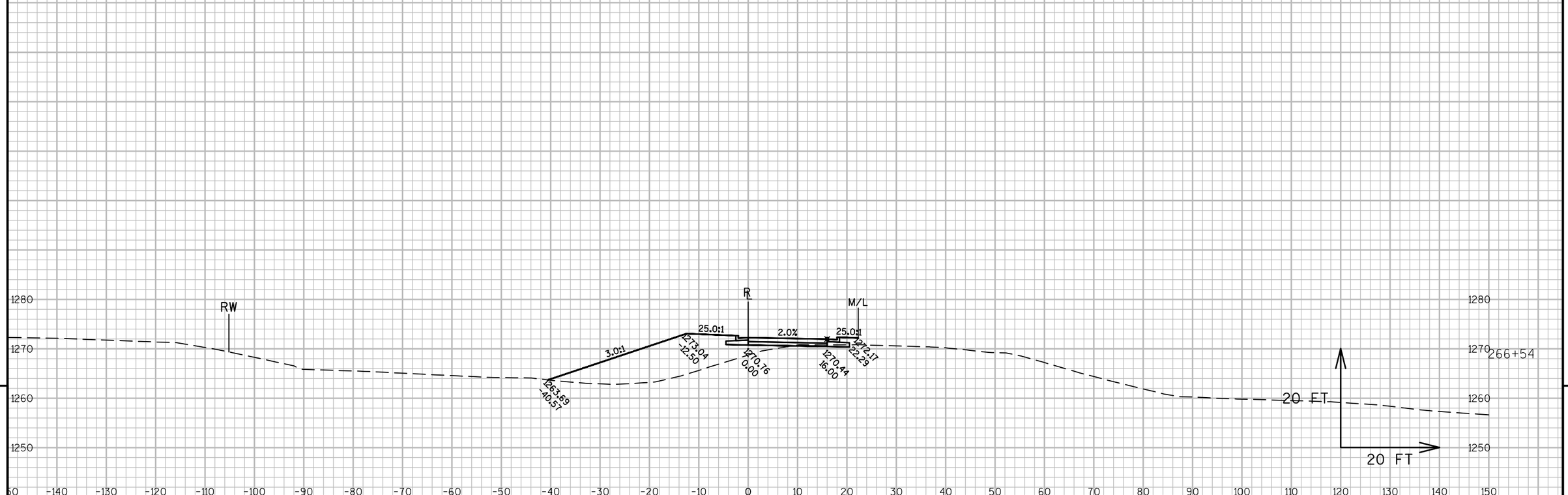
PLOT DATE : 8/13/2015 1:04 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP C BYPASS (NE RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPC.DWG
LAYOUT NAME - SECTION SHEET - (11)

PLOT DATE : 8/13/2015 1:04 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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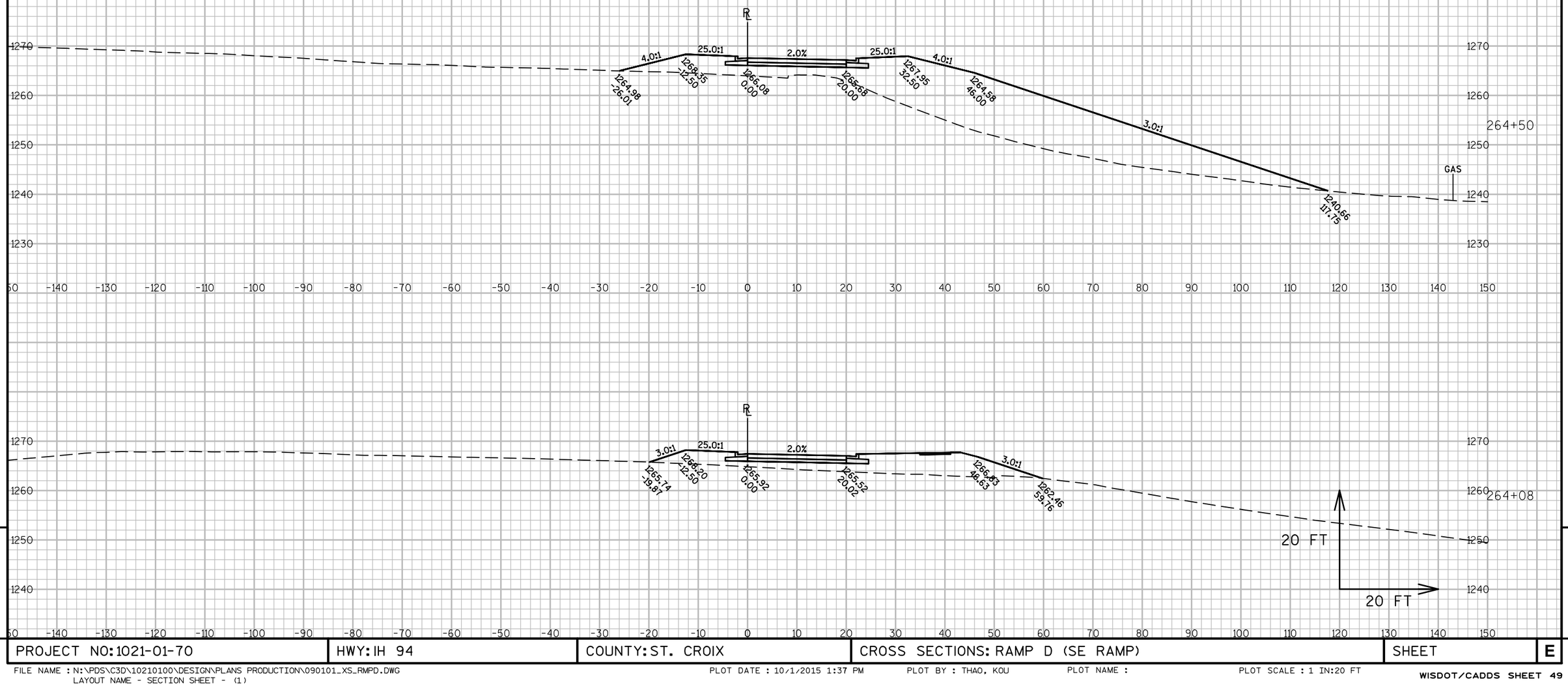
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP C BYPASS (NE RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPC.DWG
LAYOUT NAME - SECTION SHEET - (12)

PLOT DATE : 8/13/2015 1:04 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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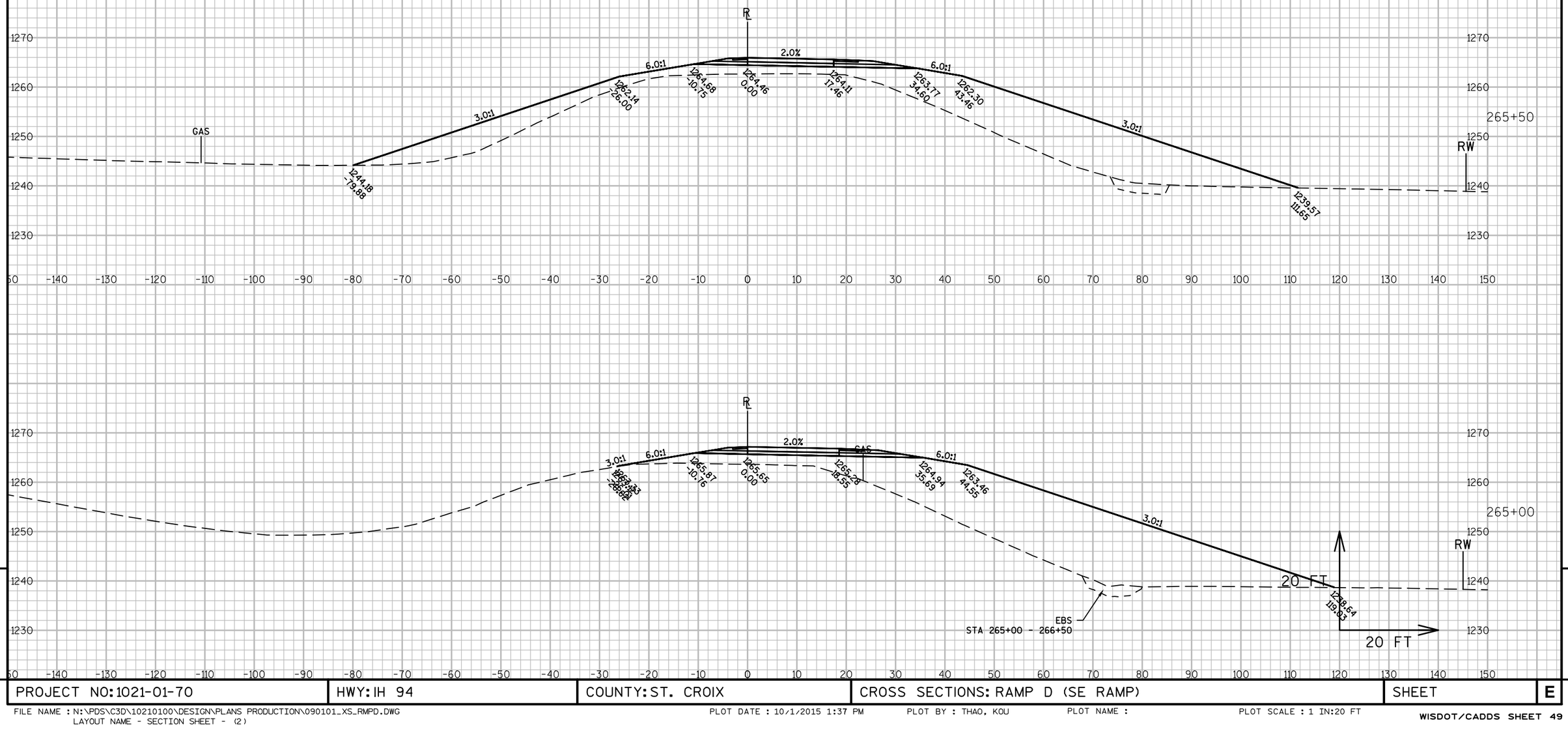
9

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP D (SE RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPD.DWG
LAYOUT NAME - SECTION SHEET - (1)

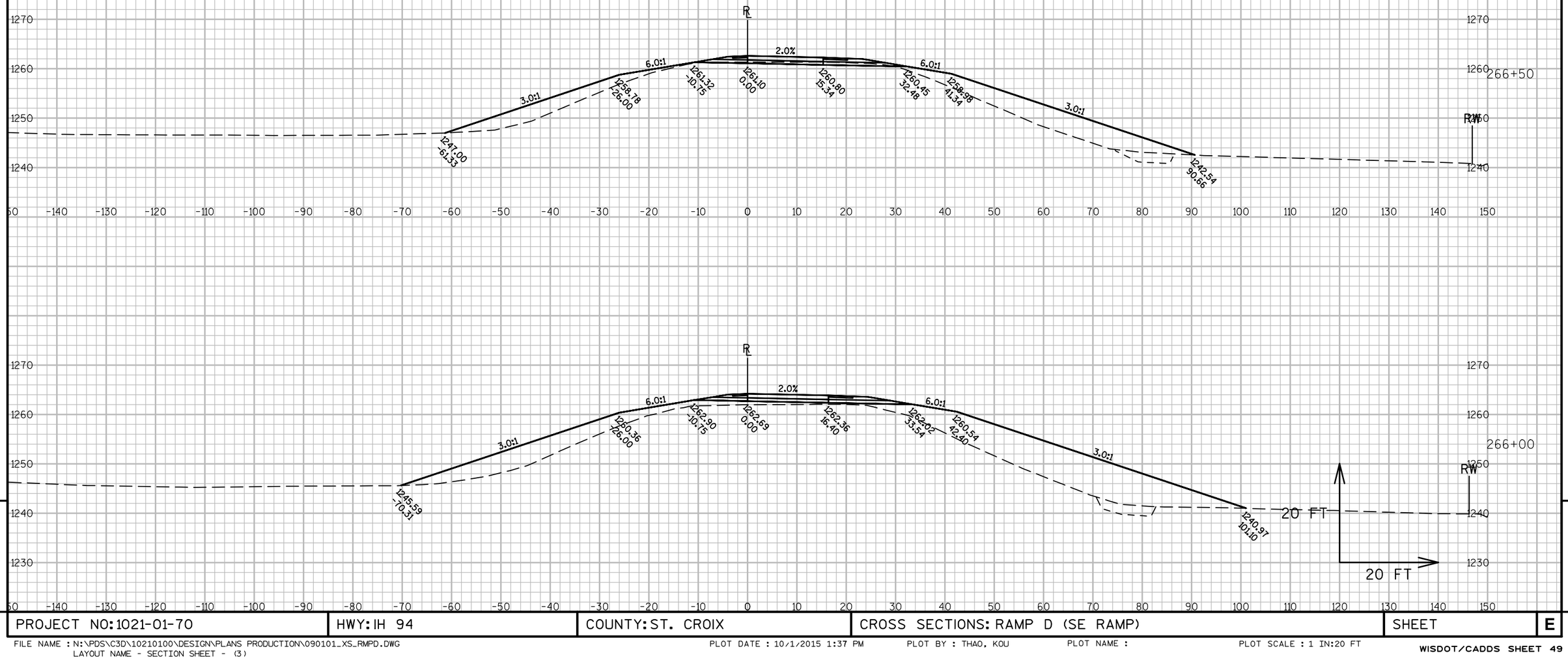
PLOT DATE : 10/1/2015 1:37 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP D (SE RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPD.DWG
LAYOUT NAME - SECTION SHEET - (2)

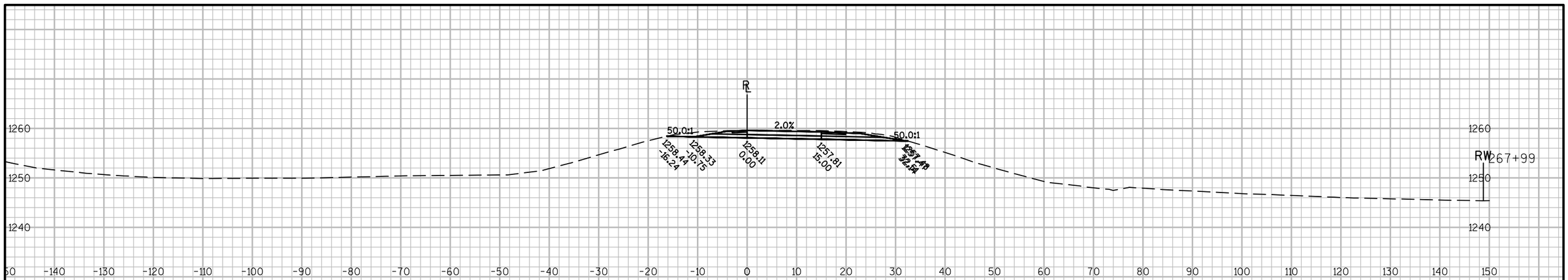
PLOT DATE : 10/1/2015 1:37 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT

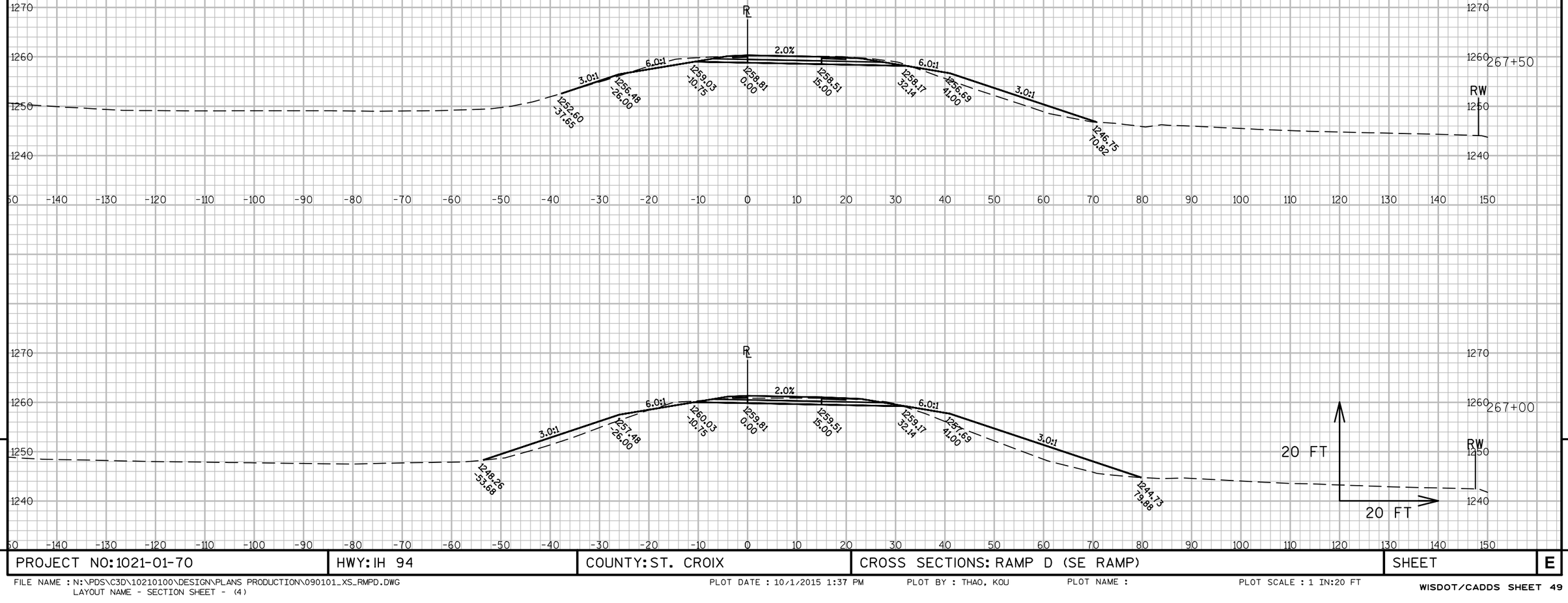


PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP D (SE RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPD.DWG
LAYOUT NAME - SECTION SHEET - (3)

PLOT DATE : 10/1/2015 1:37 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT





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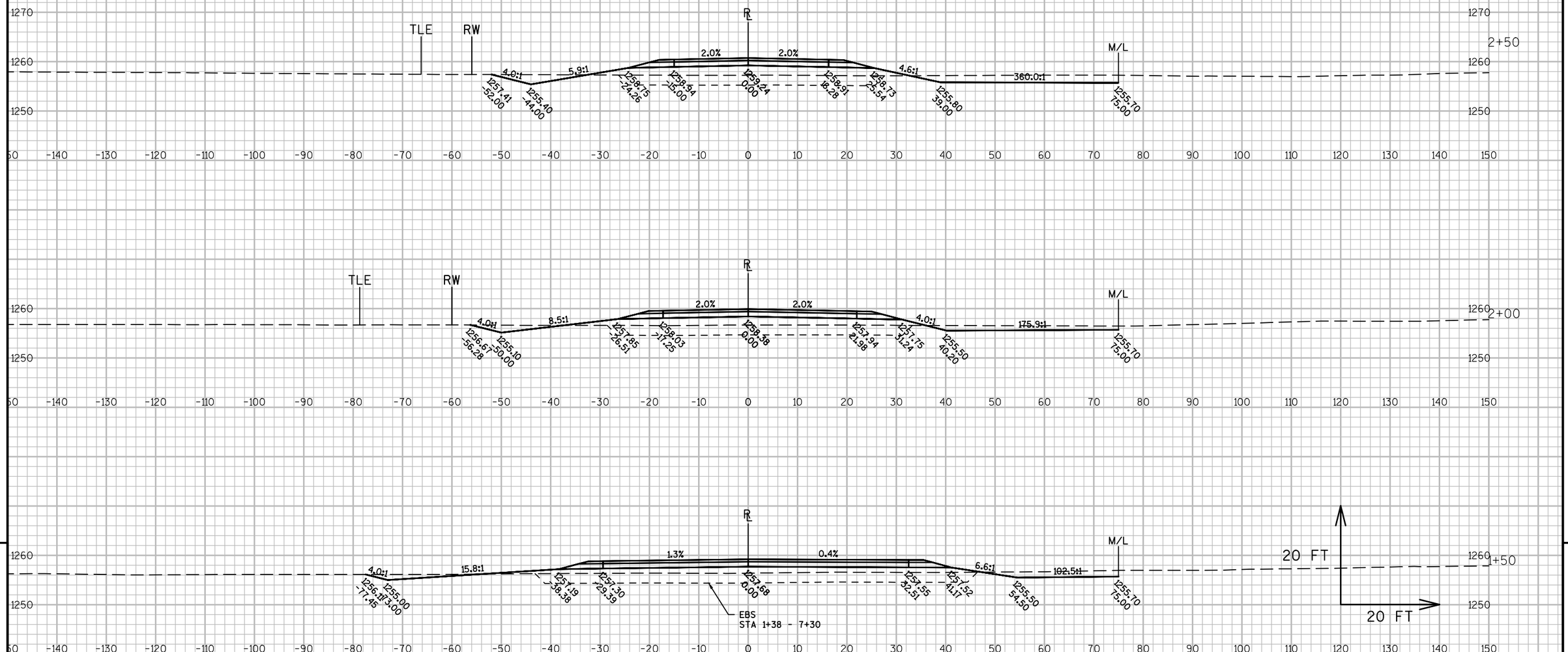
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP D (SE RAMP)	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_RMPD.DWG
LAYOUT NAME - SECTION SHEET - (4)

PLOT DATE : 10/1/2015 1:37 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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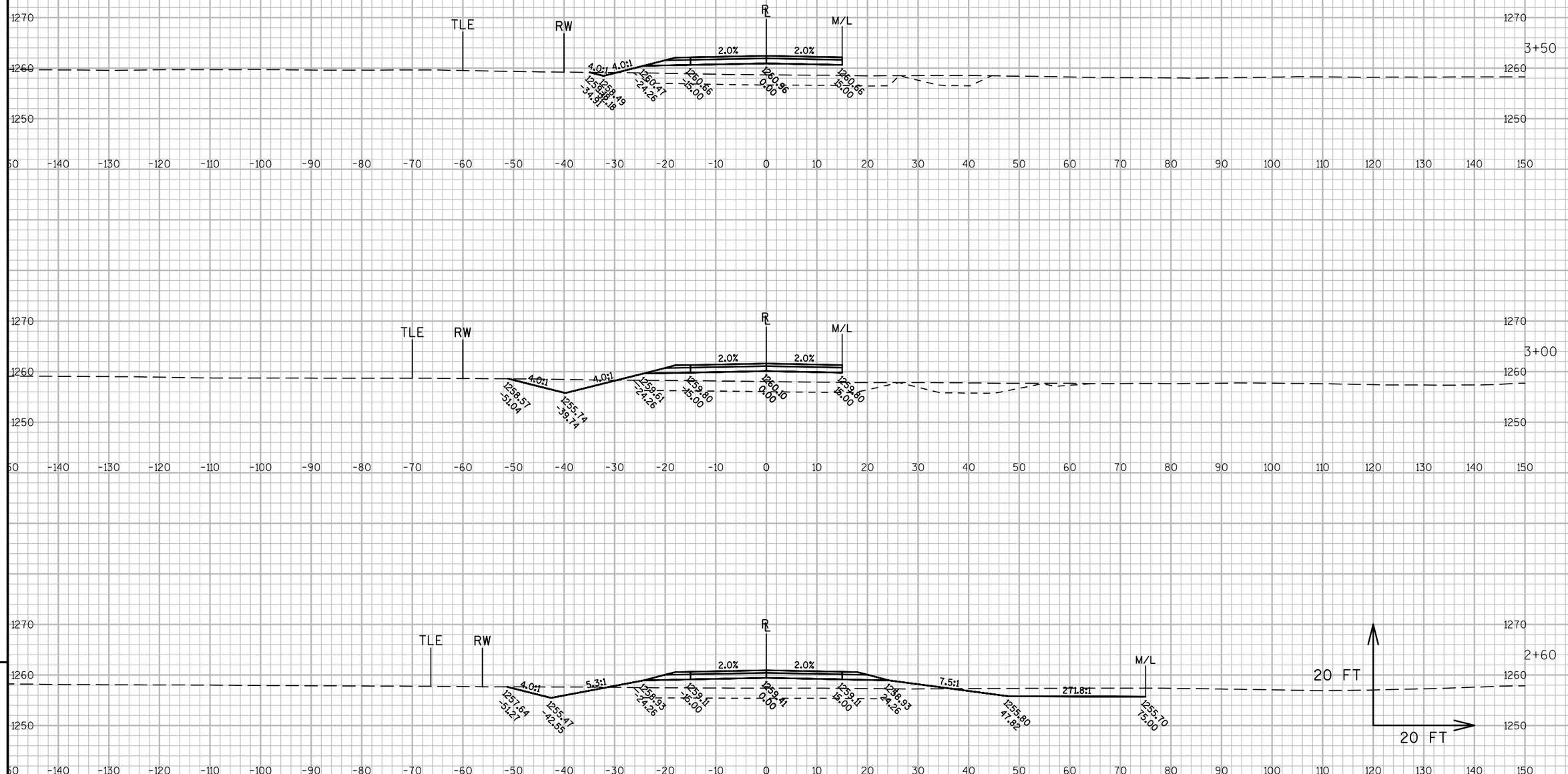
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: SERVICE RD	SHEET	E

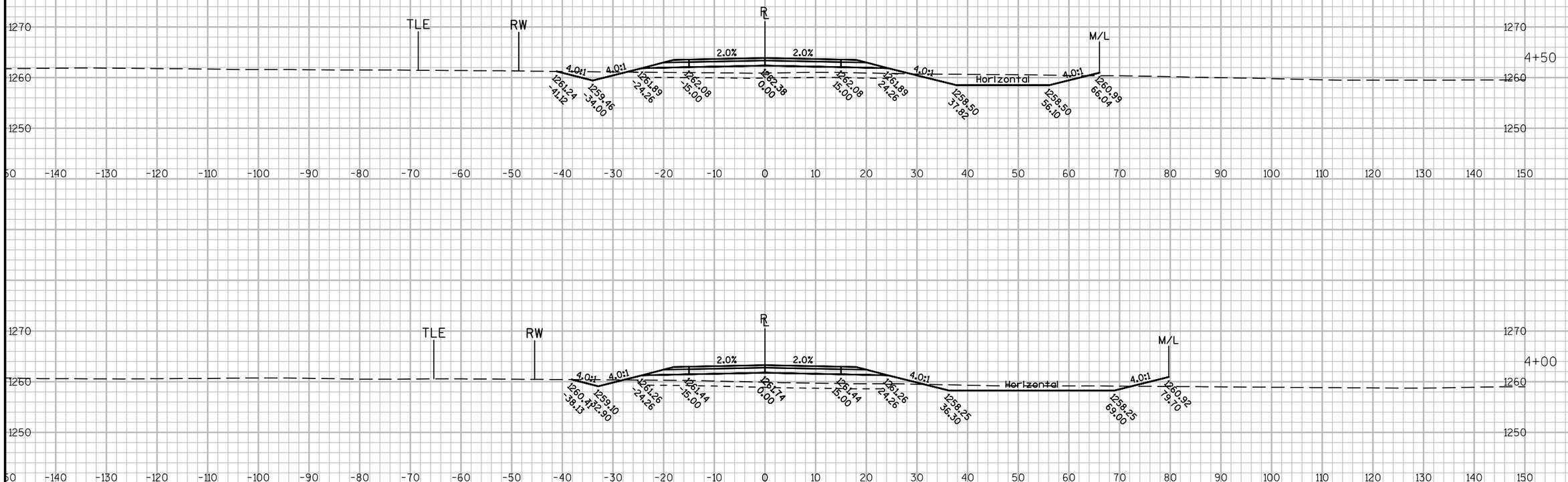
FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_SERVICERD.DWG
LAYOUT NAME - SECTION SHEET - (1)

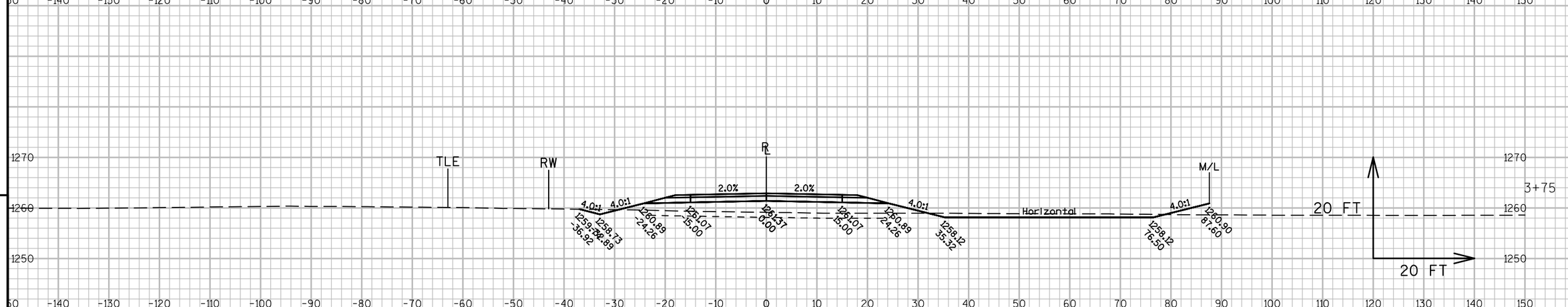
PLOT DATE : 10/1/2015 2:42 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: SERVICE RD	SHEET E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_SERVICERD.DWG
LAYOUT NAME - SECTION SHEET - (2)
PLOT DATE : 10/1/2015 2:42 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49





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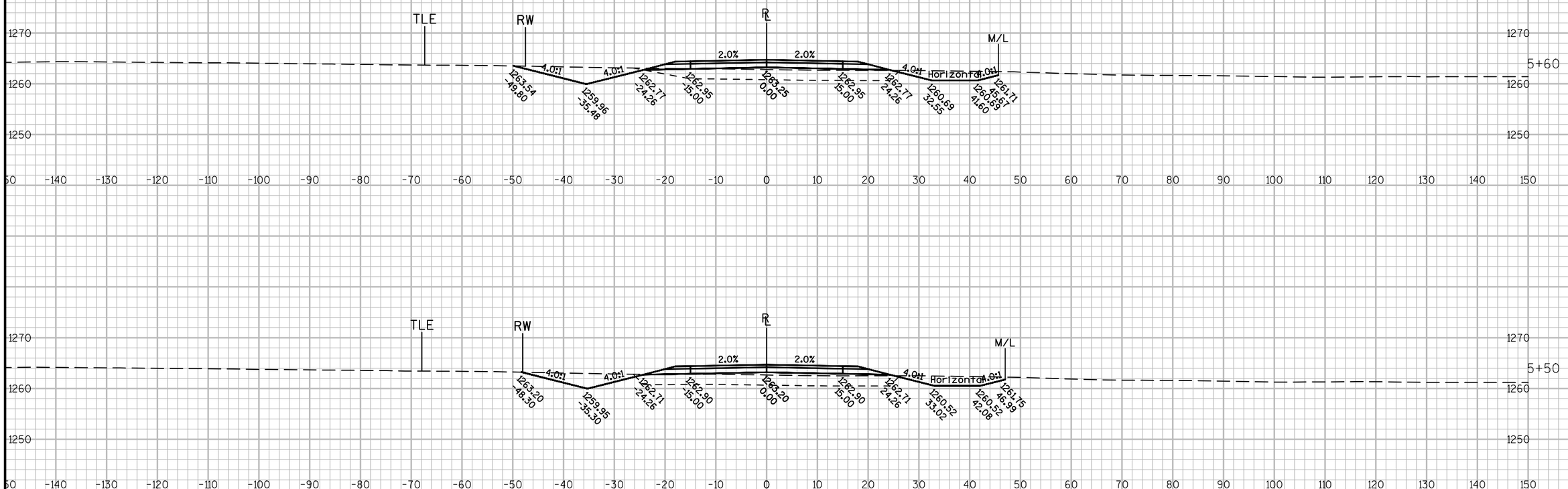
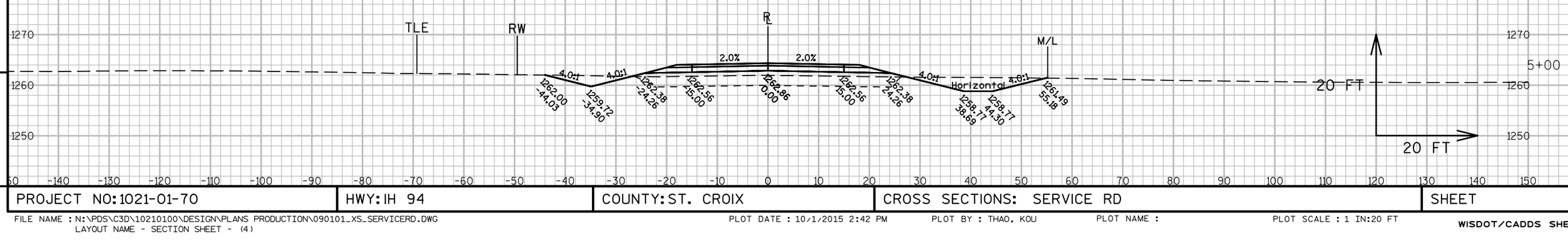
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: SERVICE RD	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_SERVICERD.DWG
LAYOUT NAME - SECTION SHEET - (3)
PLOT DATE : 10/1/2015 2:42 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT





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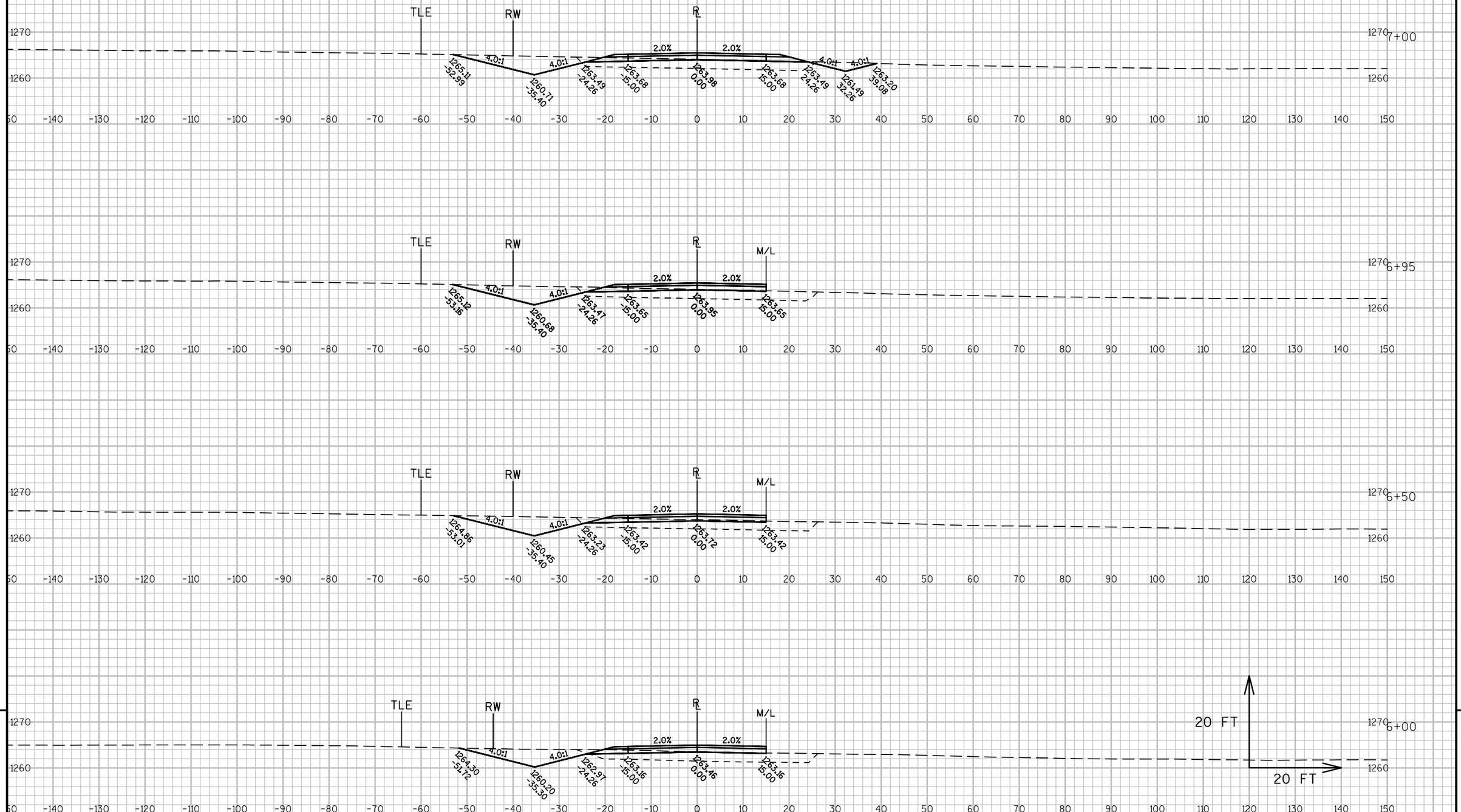
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: SERVICE RD	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_SERVICERD.DWG
LAYOUT NAME - SECTION SHEET - (4)

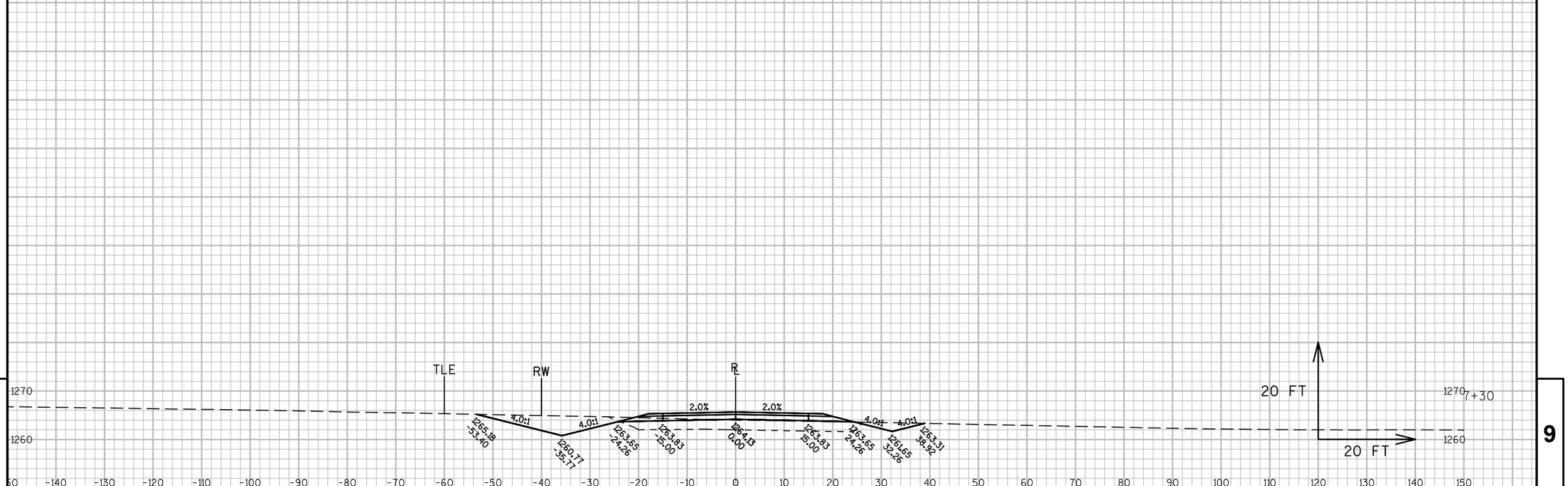
PLOT DATE : 10/1/2015 2:42 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: SERVICE RD	SHEET E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_SERVICERD.DWG
LAYOUT NAME - SECTION SHEET - (5)

PLOT DATE : 10/1/2015 2:42 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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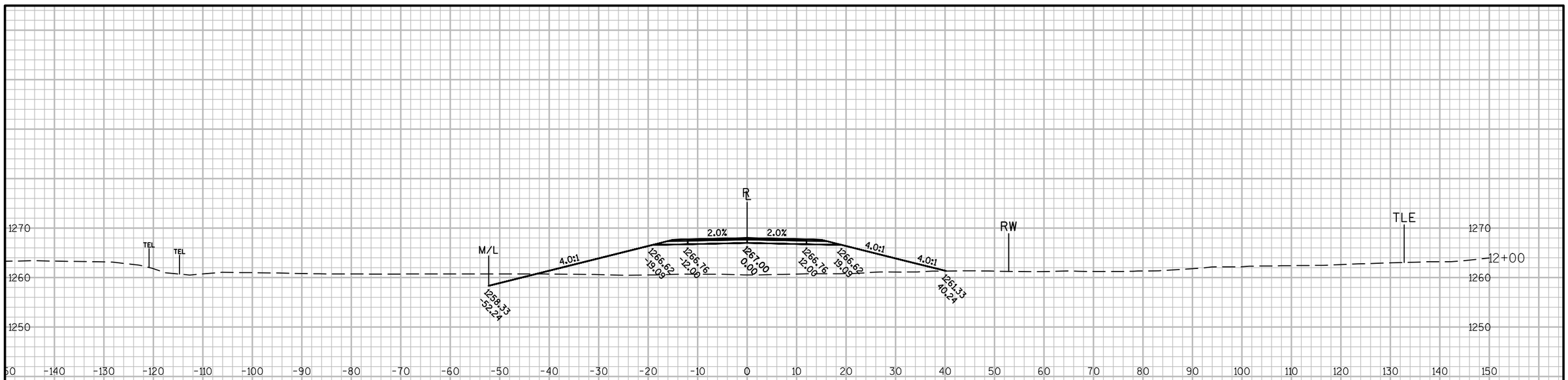
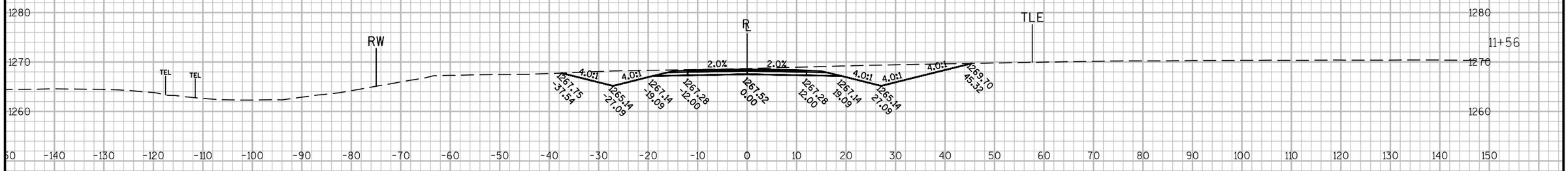
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: SERVICE RD	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_SERVICERD.DWG
LAYOUT NAME - SECTION SHEET - (6)

PLOT DATE : 10/1/2015 2:42 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT





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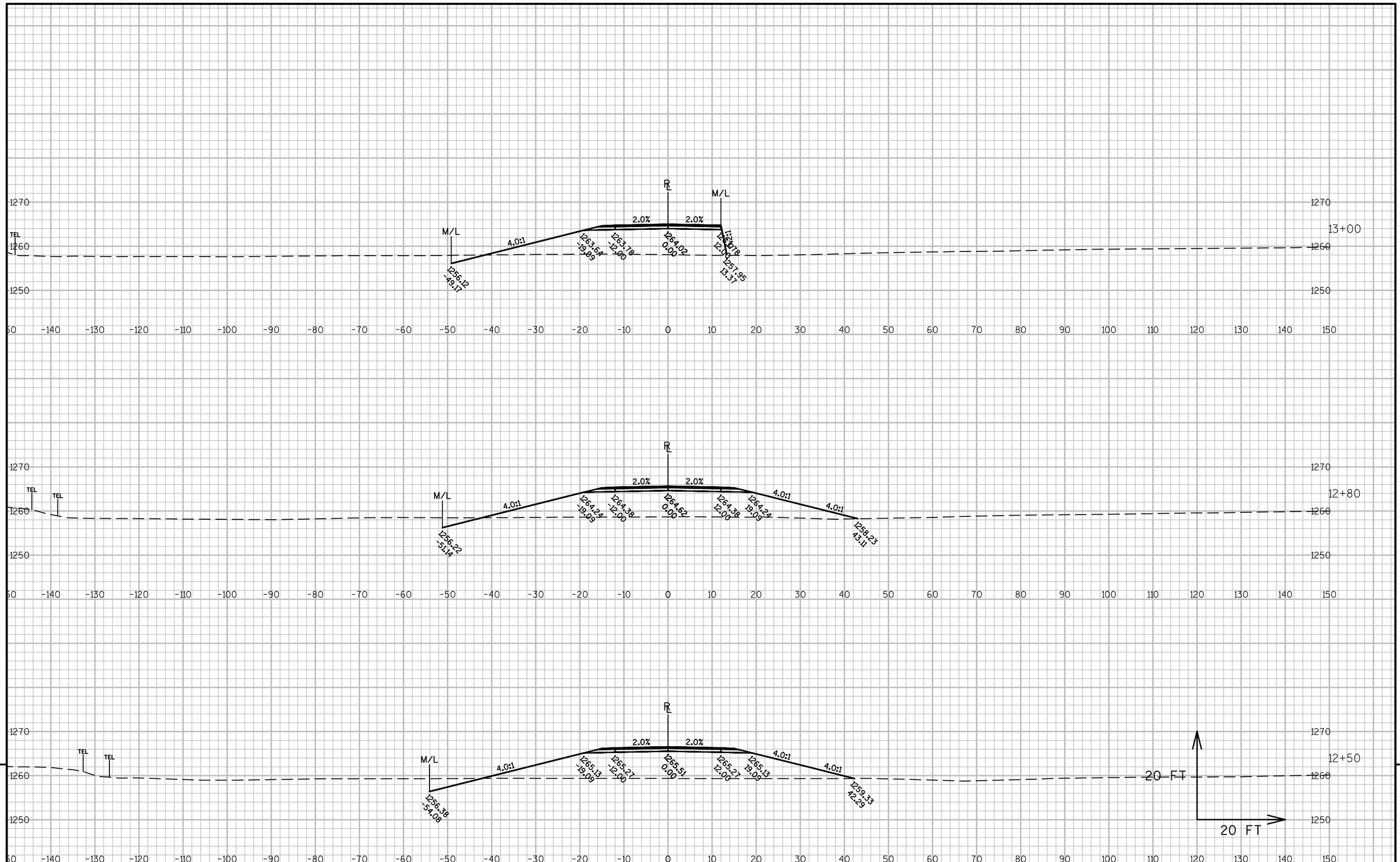
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: WEST DR	SHEET	E

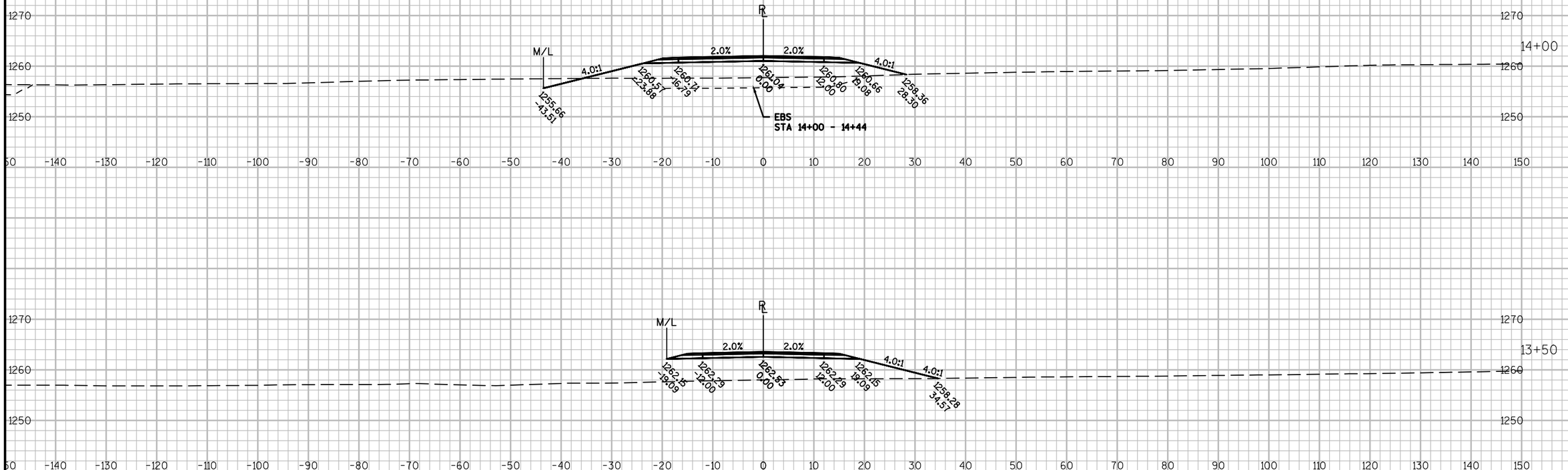
FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_WESTDR.DWG
LAYOUT NAME - SECTION SHEET - (7)

PLOT DATE : 10/1/2015 2:47 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: WEST DR	SHEET E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_WESTDR.DWG
LAYOUT NAME - SECTION SHEET - (8)
PLOT DATE : 10/1/2015 2:47 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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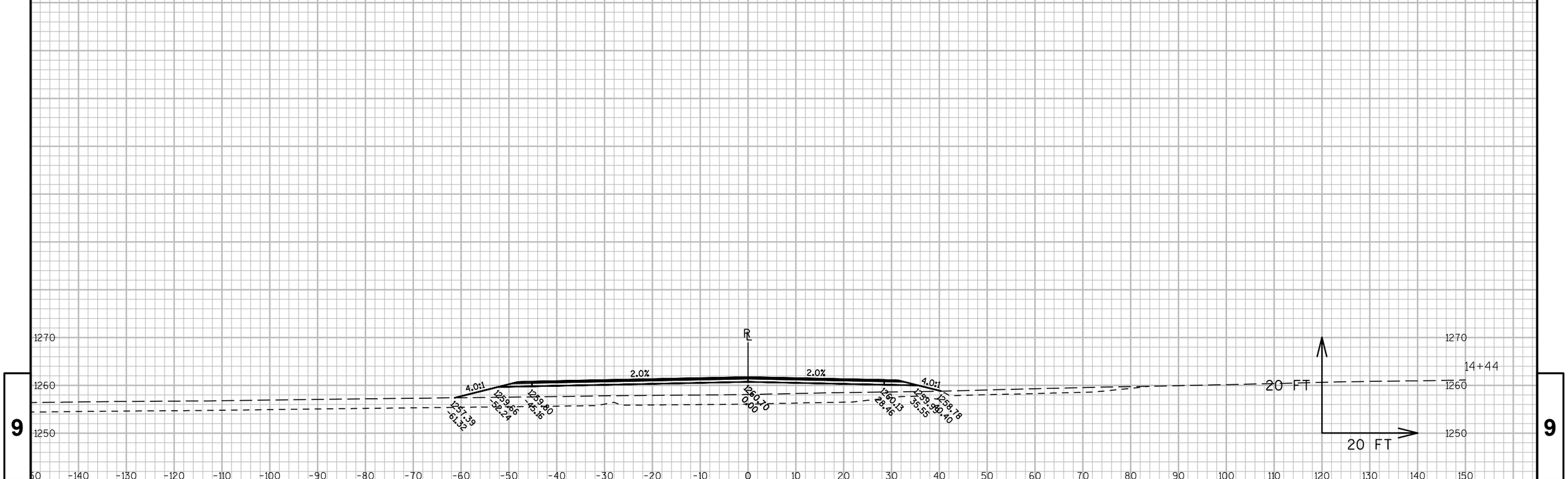
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: WEST DR	SHEET	E

9

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_WESTDR.DWG
LAYOUT NAME - SECTION SHEET - (9)

PLOT DATE : 10/1/2015 2:47 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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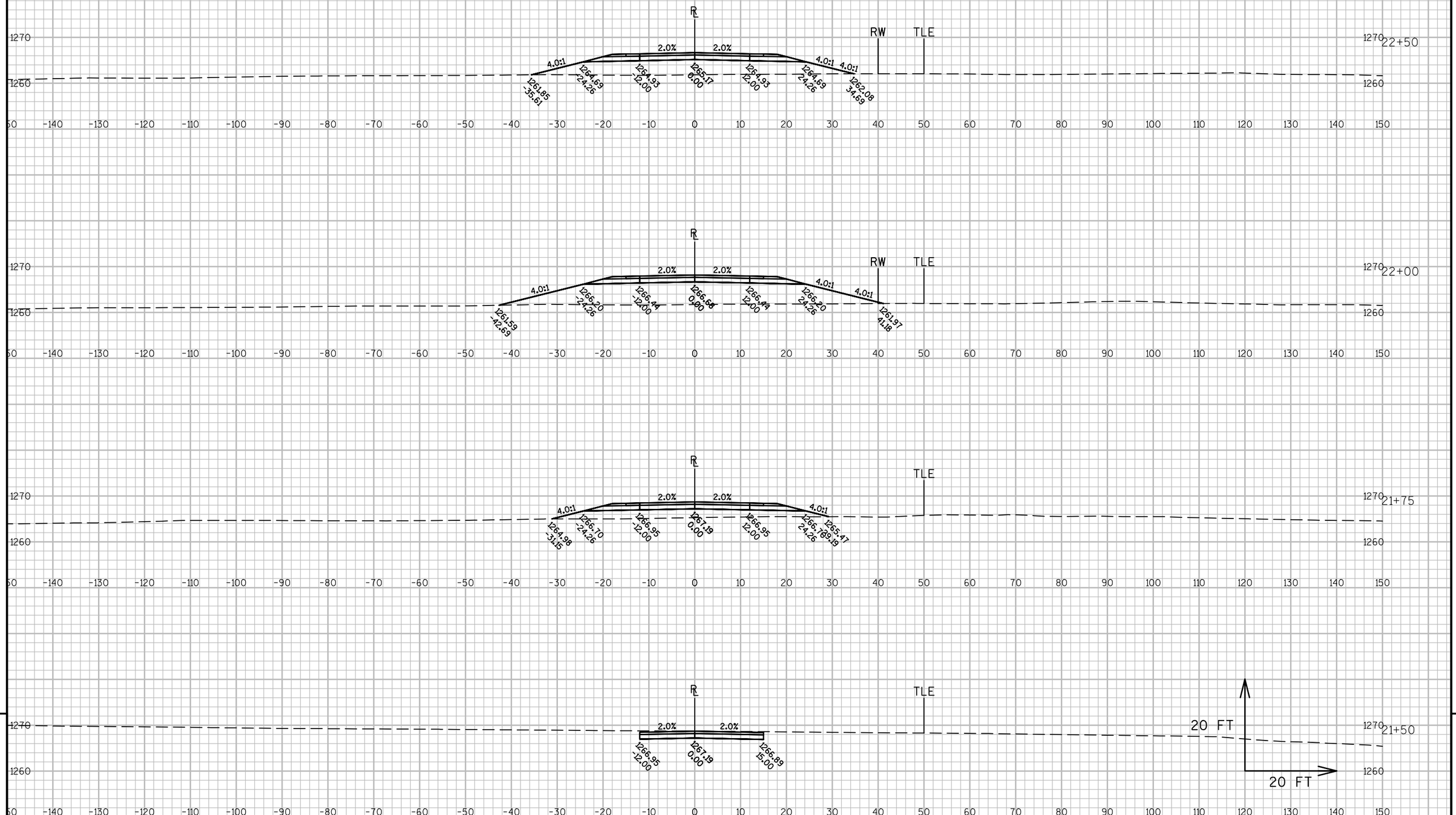
9

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: WEST DR	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_WESTDR.DWG
LAYOUT NAME - SECTION SHEET - (10)

PLOT DATE : 10/1/2015 2:47 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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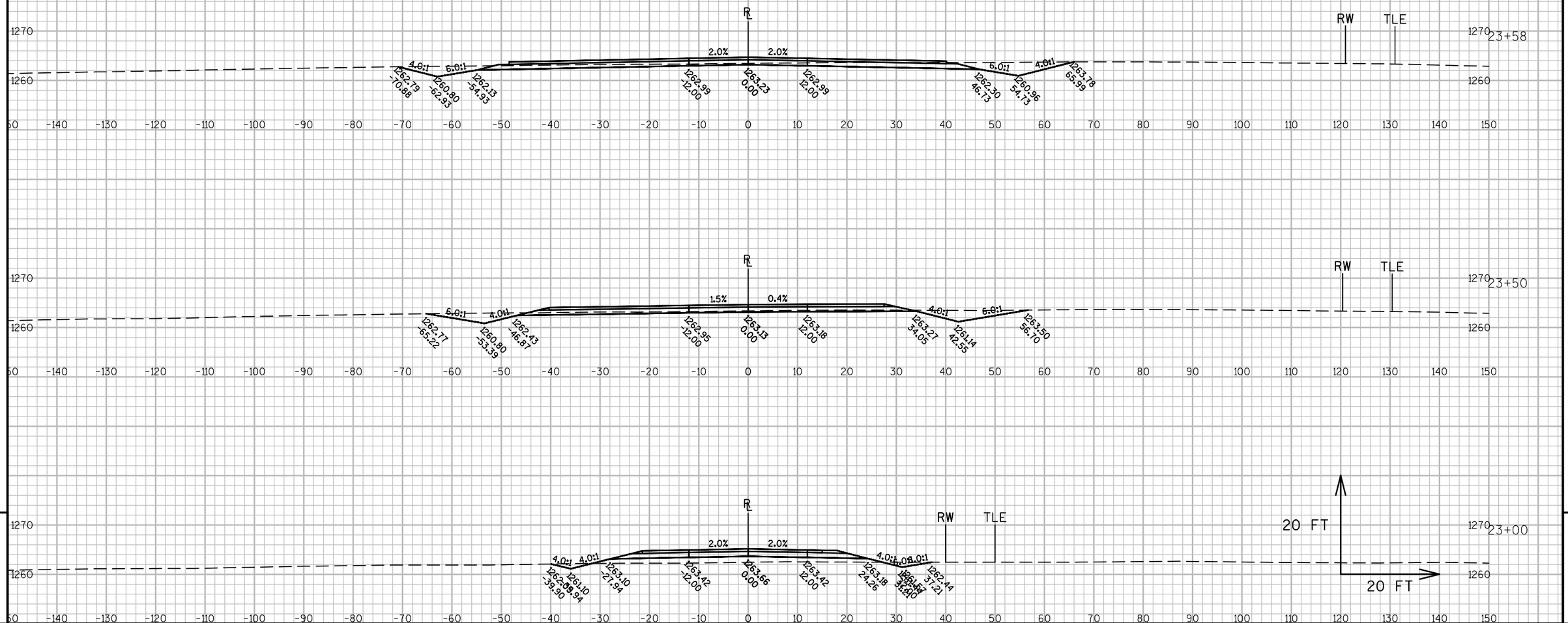
9

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: EAST DR	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_EASTDR.DWG
LAYOUT NAME - SECTION SHEET - (14)

PLOT DATE : 8/21/2015 11:47 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: EAST DR	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_EASTDR.DWG
LAYOUT NAME - SECTION SHEET - (15)

PLOT DATE : 8/21/2015 11:47 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT

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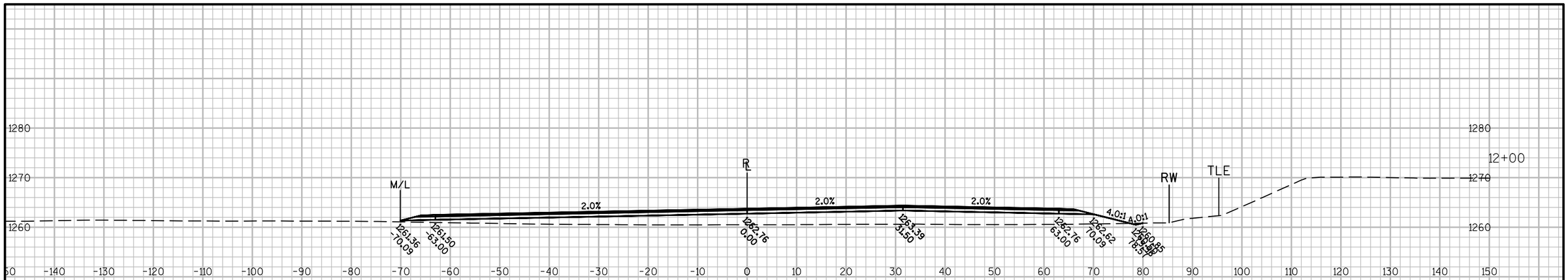
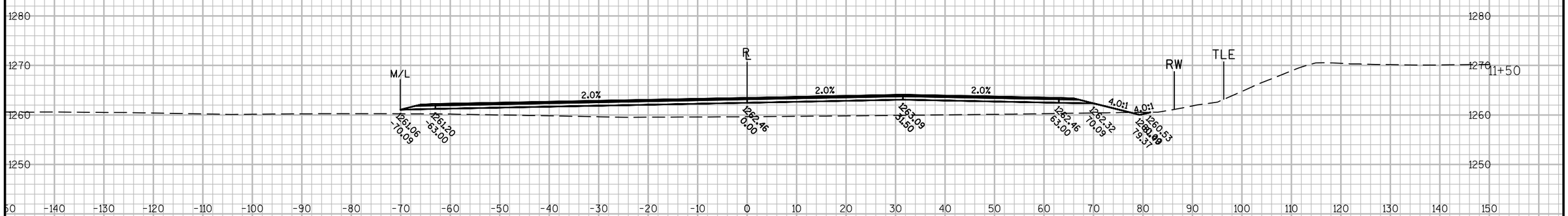
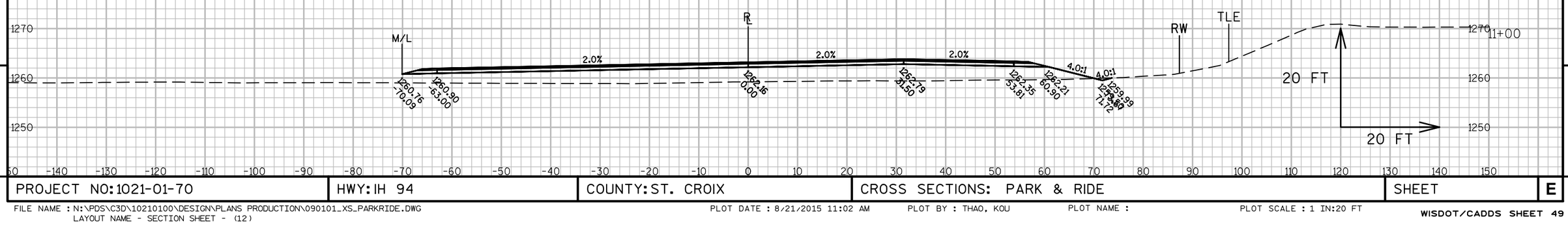
PROJECT NO:1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: PARK & RIDE	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_PARKRIDE.DWG
LAYOUT NAME - SECTION SHEET - (11)

PLOT DATE : 8/21/2015 11:02 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT





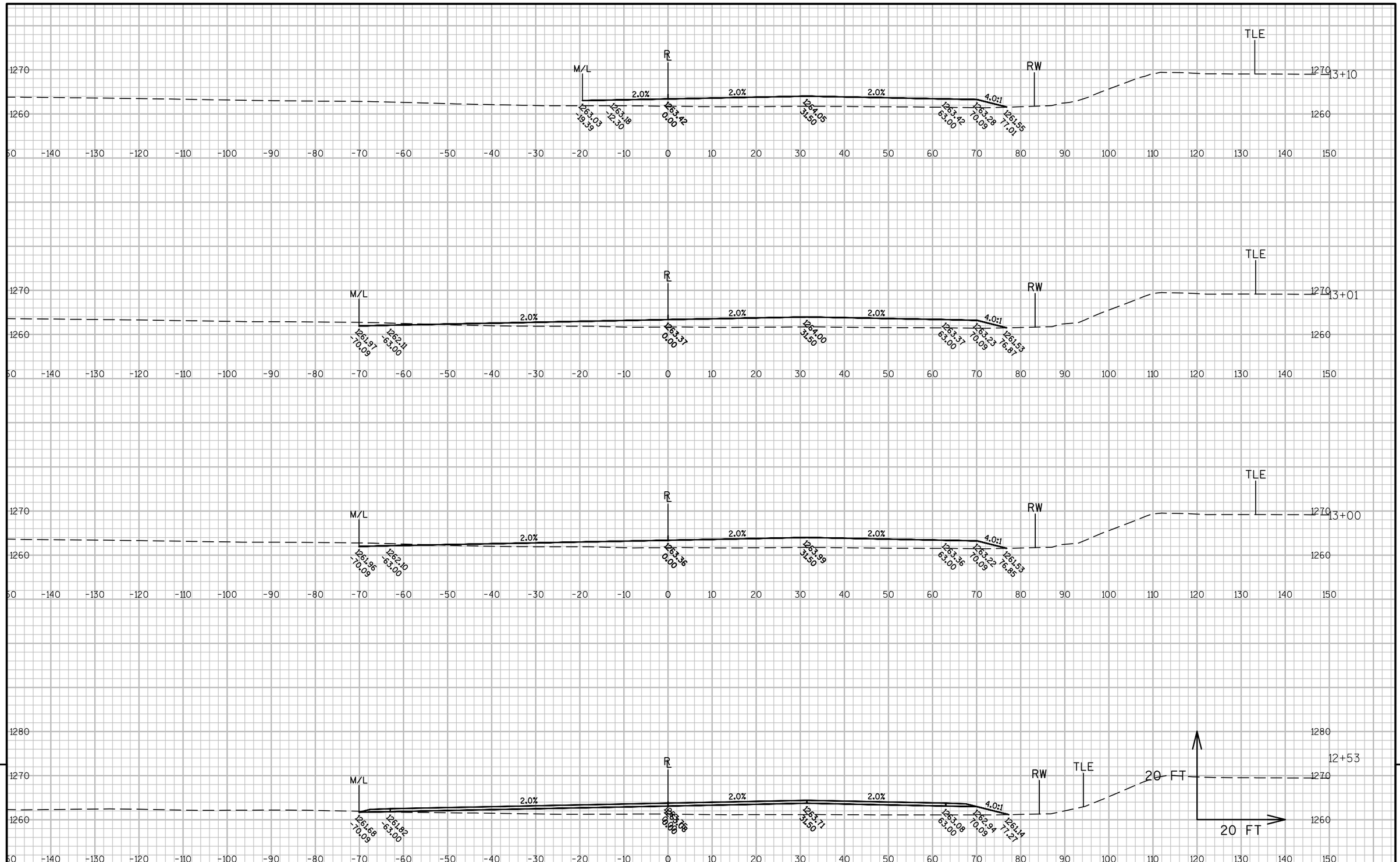


9 9

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: PARK & RIDE	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_PARKRIDE.DWG
LAYOUT NAME - SECTION SHEET - (12)

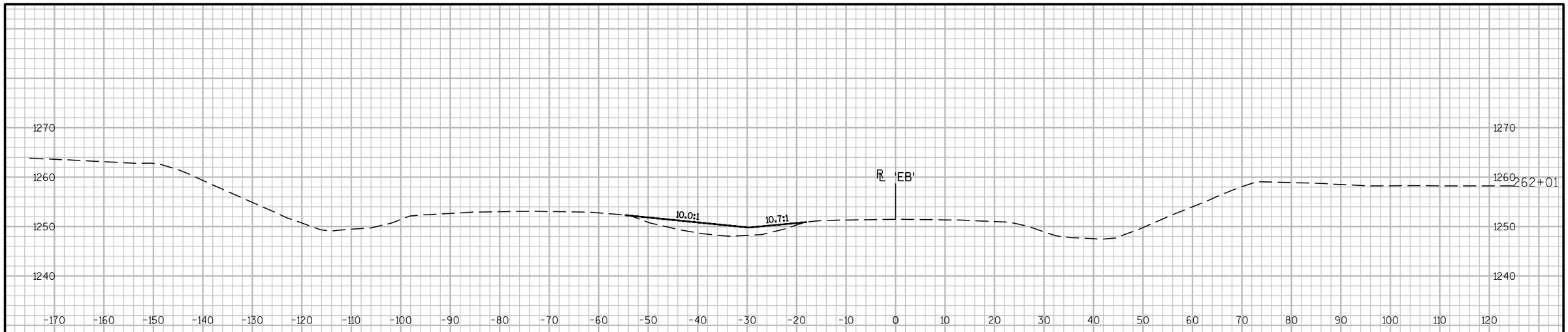
PLOT DATE : 8/21/2015 11:02 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT

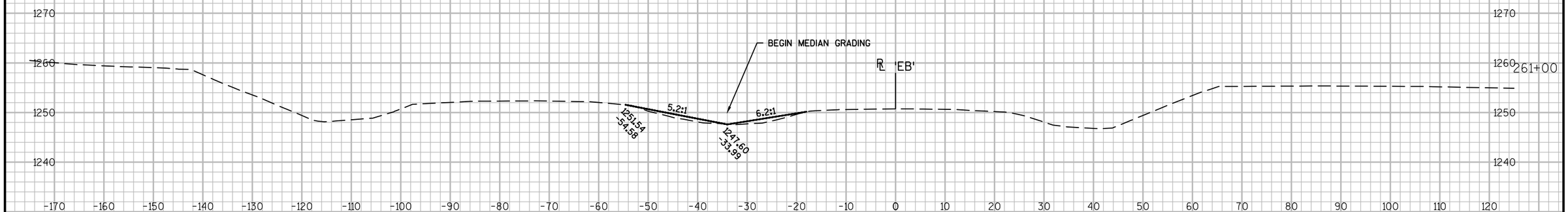


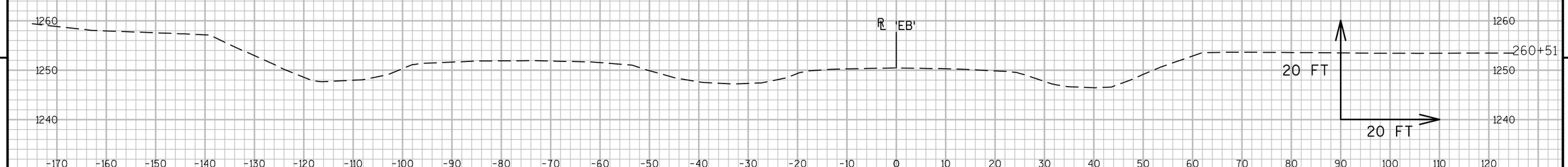
9 9

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: PARK & RIDE	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_PARKRIDE.DWG
LAYOUT NAME - SECTION SHEET - (13)
PLOT DATE : 8/21/2015 11:02 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



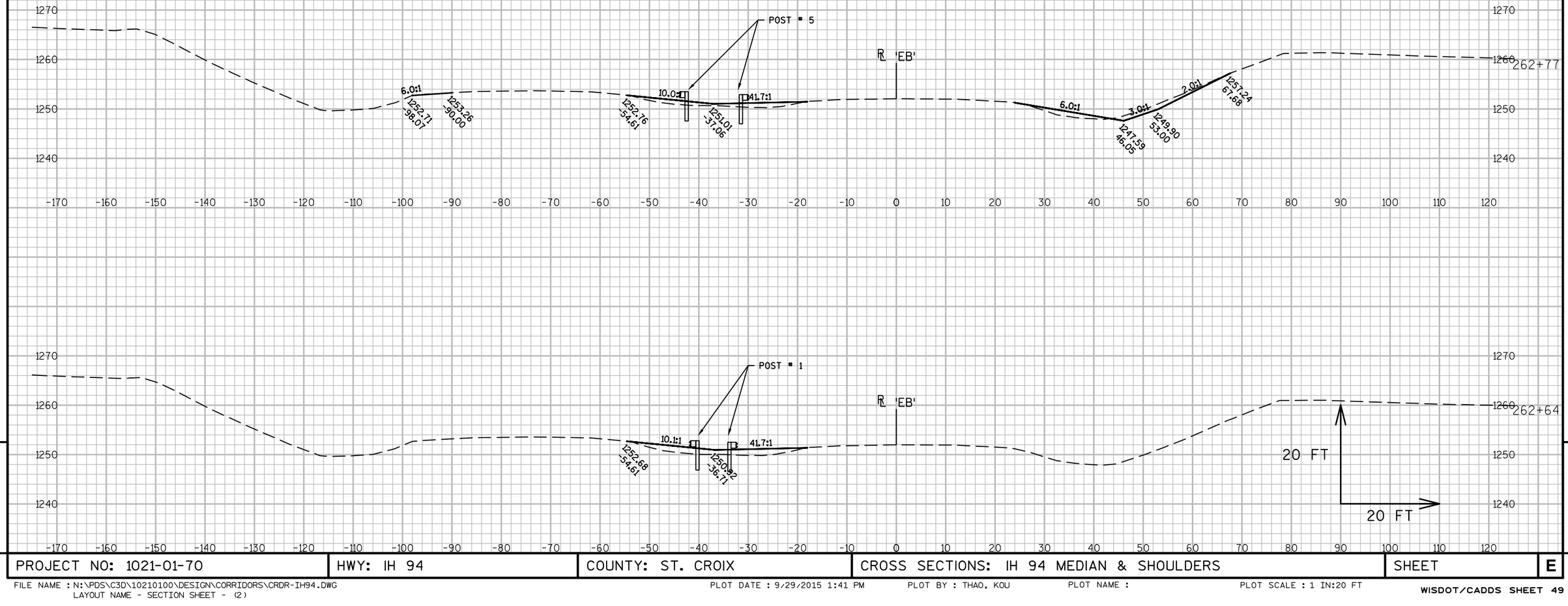




9 9

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 MEDIAN & SHOULDERS	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\CORRIDORS\CRDR-IH94.DWG
LAYOUT NAME - SECTION SHEET - (1)
PLOT DATE : 9/29/2015 1:40 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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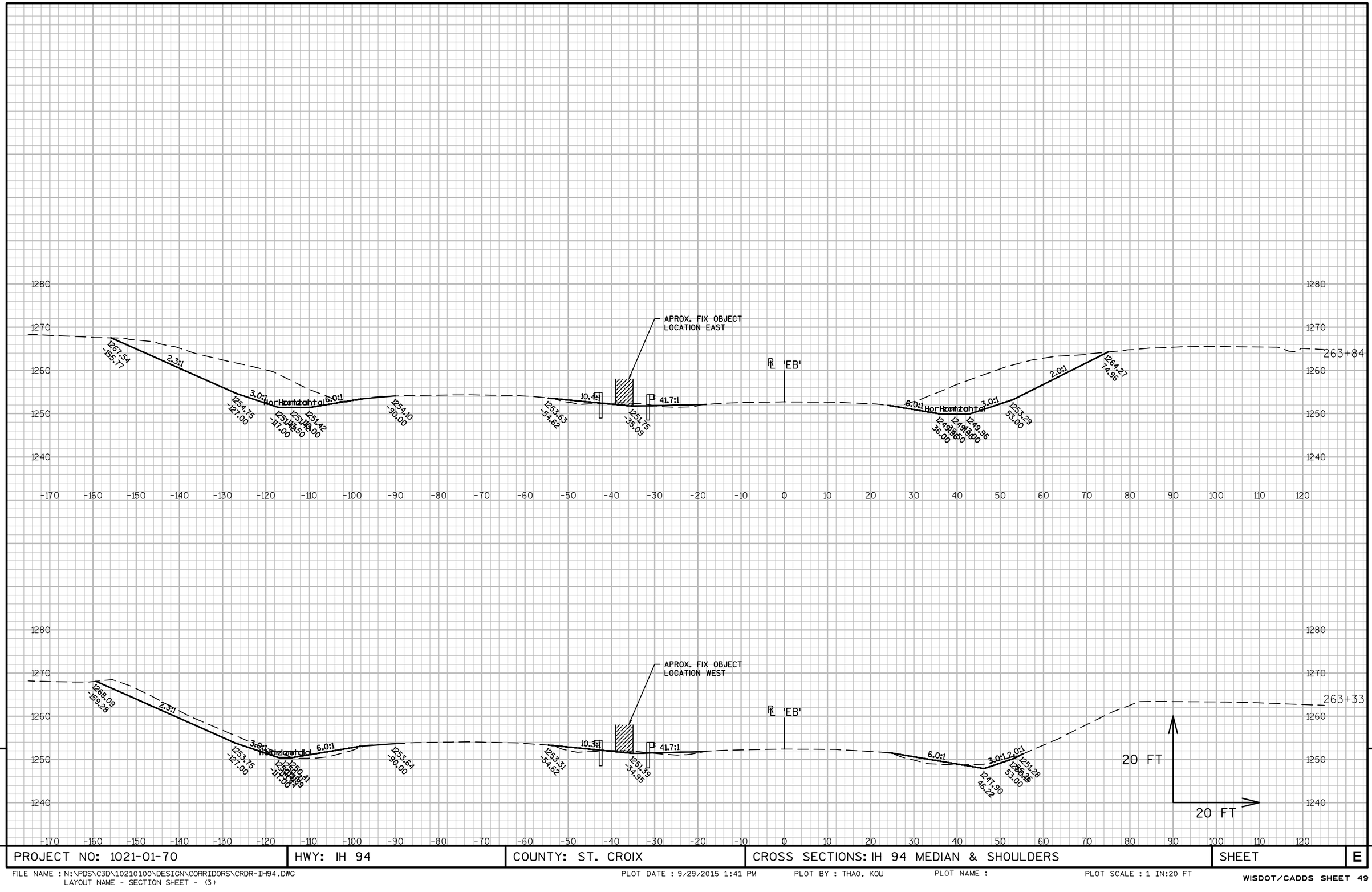
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 MEDIAN & SHOULDERS	SHEET	E

9

FILE NAME : N:\PDS\C3D\10210100\DESIGN\CORRIDORS\CRDR-IH94.DWG
LAYOUT NAME - SECTION SHEET - (2)

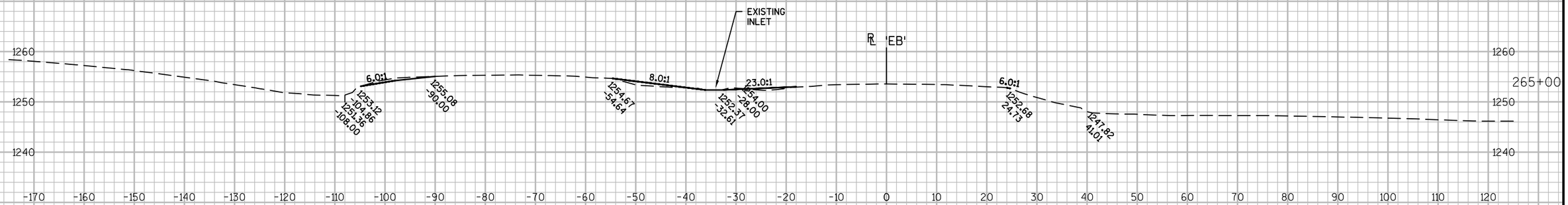
PLOT DATE : 9/29/2015 1:41 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT

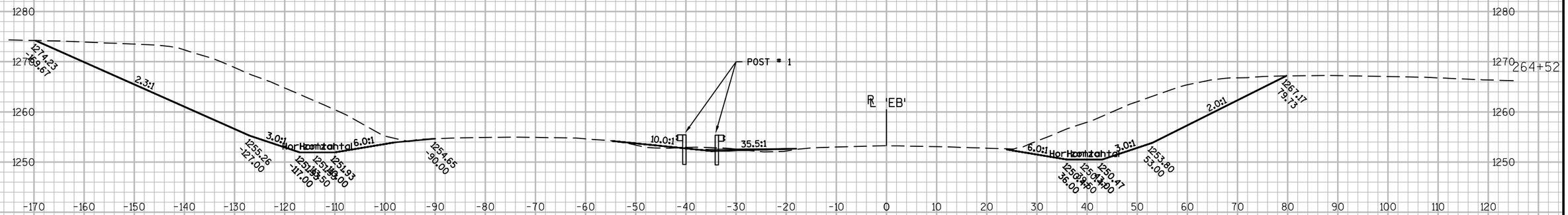


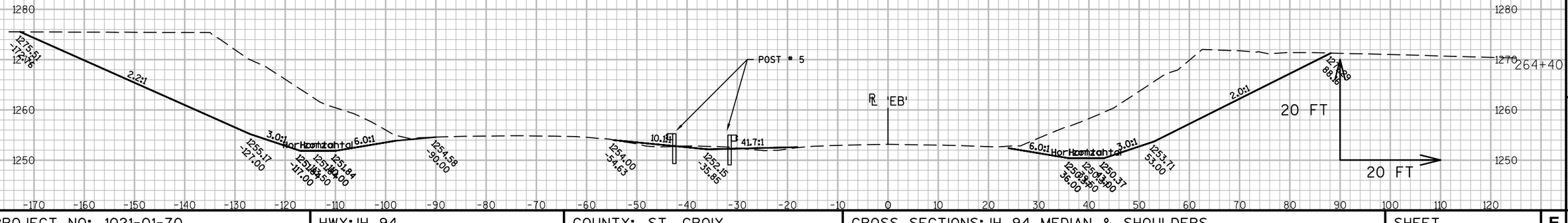
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 MEDIAN & SHOULDERS	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\CORRIDORS\CRDR-IH94.DWG
LAYOUT NAME - SECTION SHEET - (3)

PLOT DATE : 9/29/2015 1:41 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT







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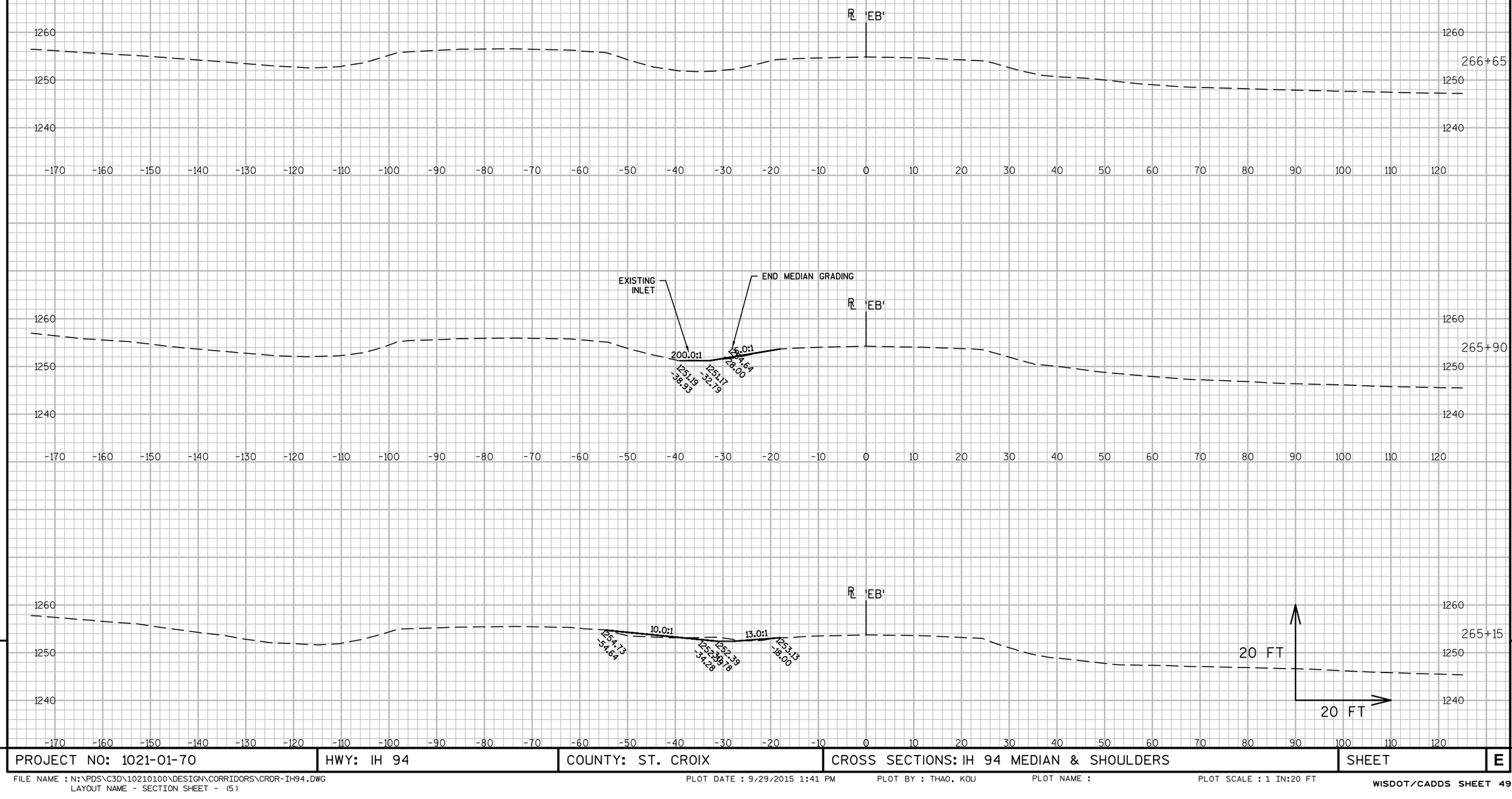
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 MEDIAN & SHOULDERS	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\CORRIDORS\CRDR-IH94.DWG
LAYOUT NAME - SECTION SHEET - (4)

PLOT DATE : 9/29/2015 1:41 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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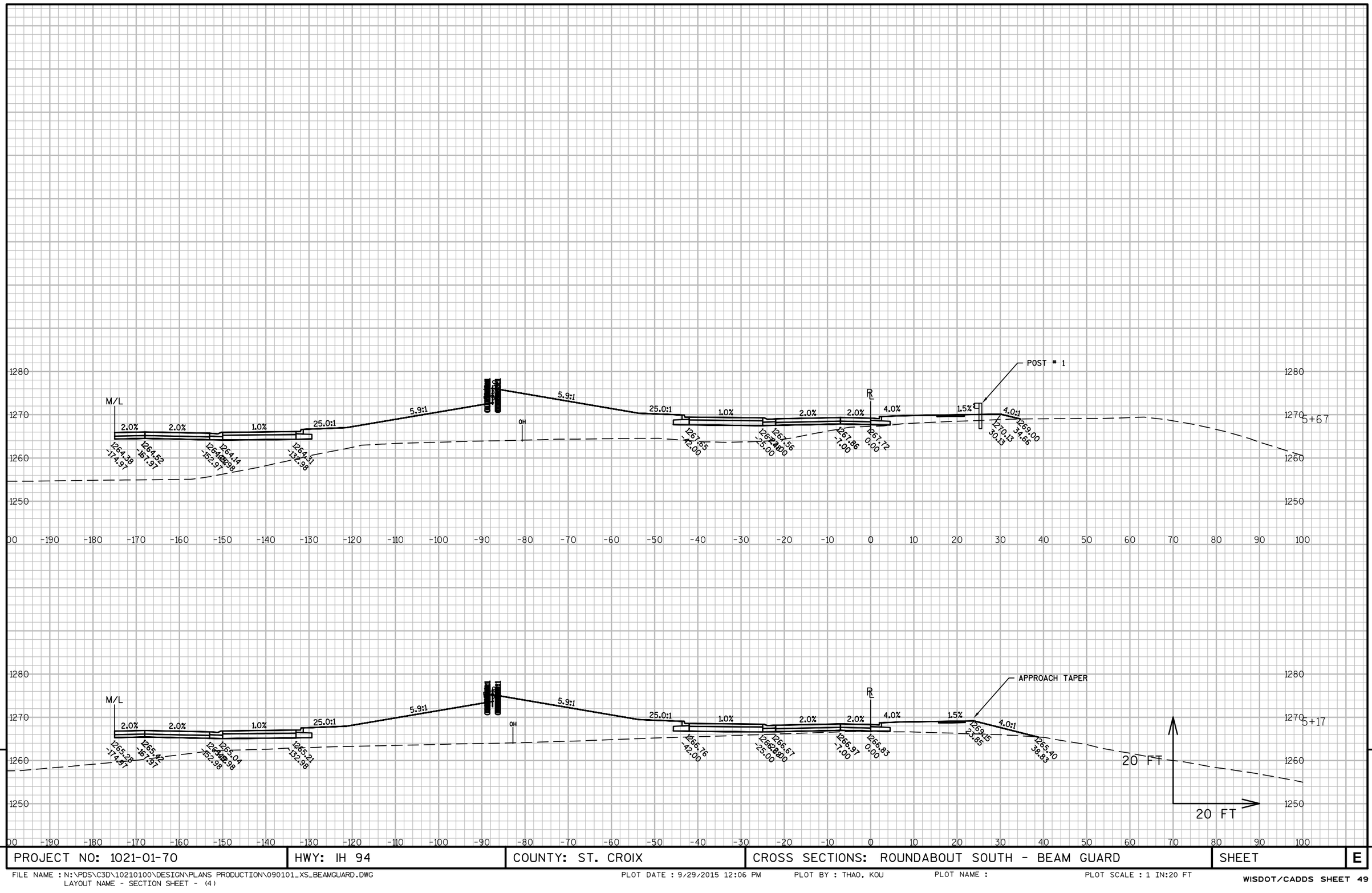
9

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: IH 94 MEDIAN & SHOULDERS	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\CORRIDORS\CRDR-IH94.DWG
LAYOUT NAME - SECTION SHEET - (5)

PLOT DATE : 9/29/2015 1:41 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT

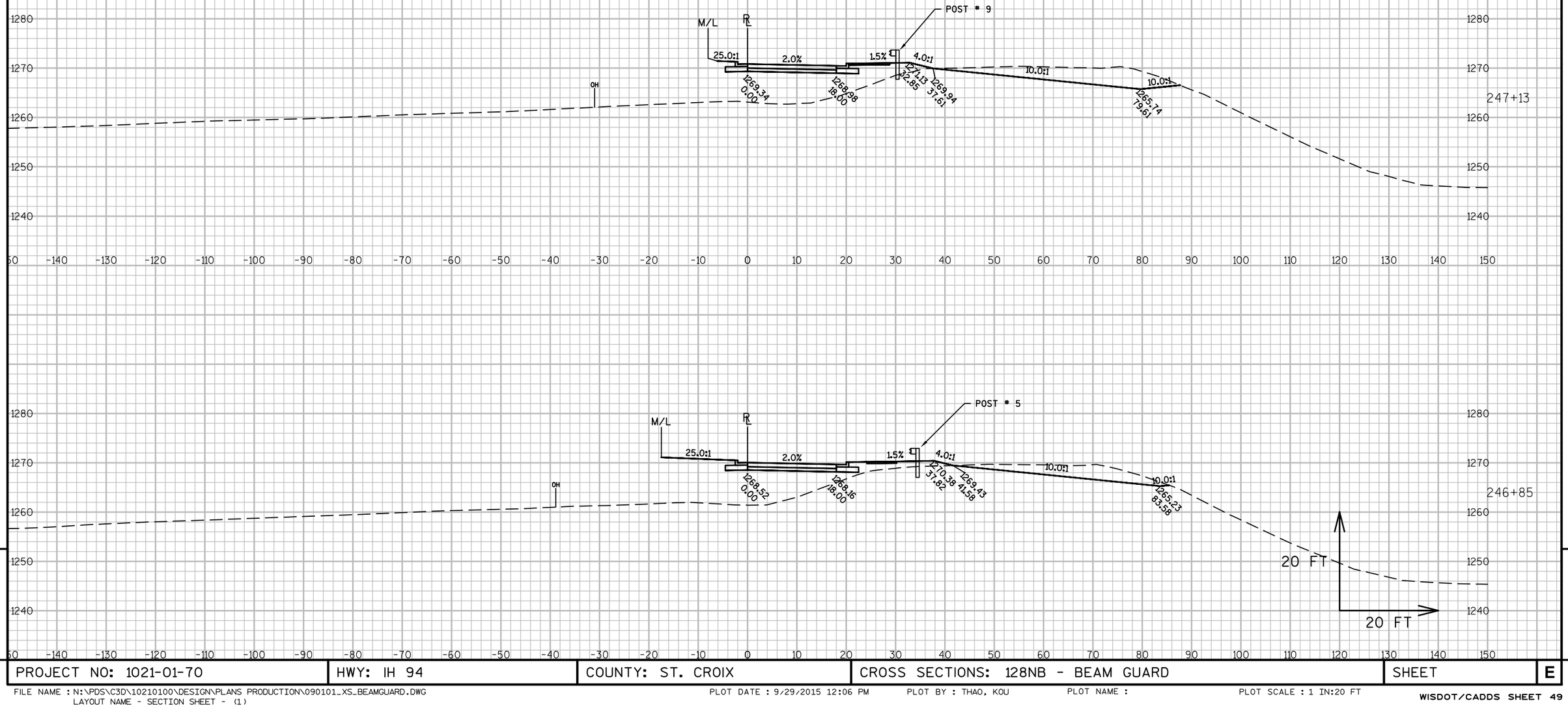


9 9

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: ROUNDABOUT SOUTH - BEAM GUARD	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_BEAMGUARD.DWG
LAYOUT NAME - SECTION SHEET - (4)

PLOT DATE : 9/29/2015 12:06 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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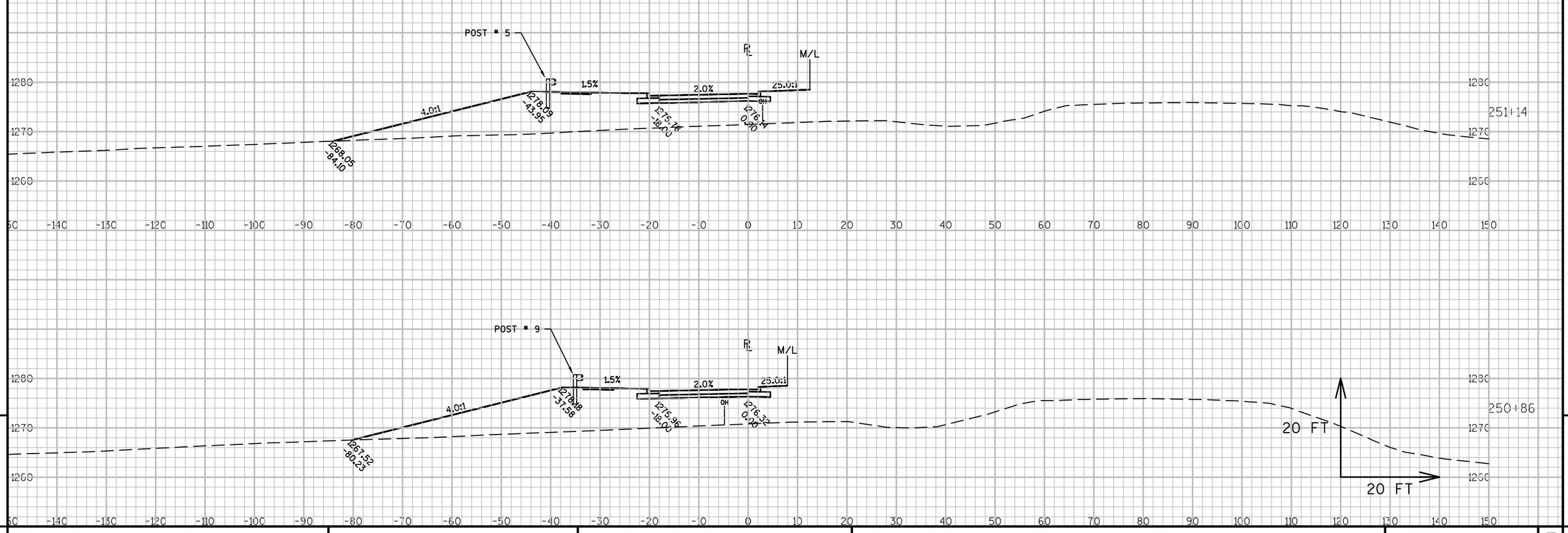
9

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: 128NB - BEAM GUARD	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_BEAMGUARD.DWG
LAYOUT NAME - SECTION SHEET - (1)
PLOT DATE : 9/29/2015 12:06 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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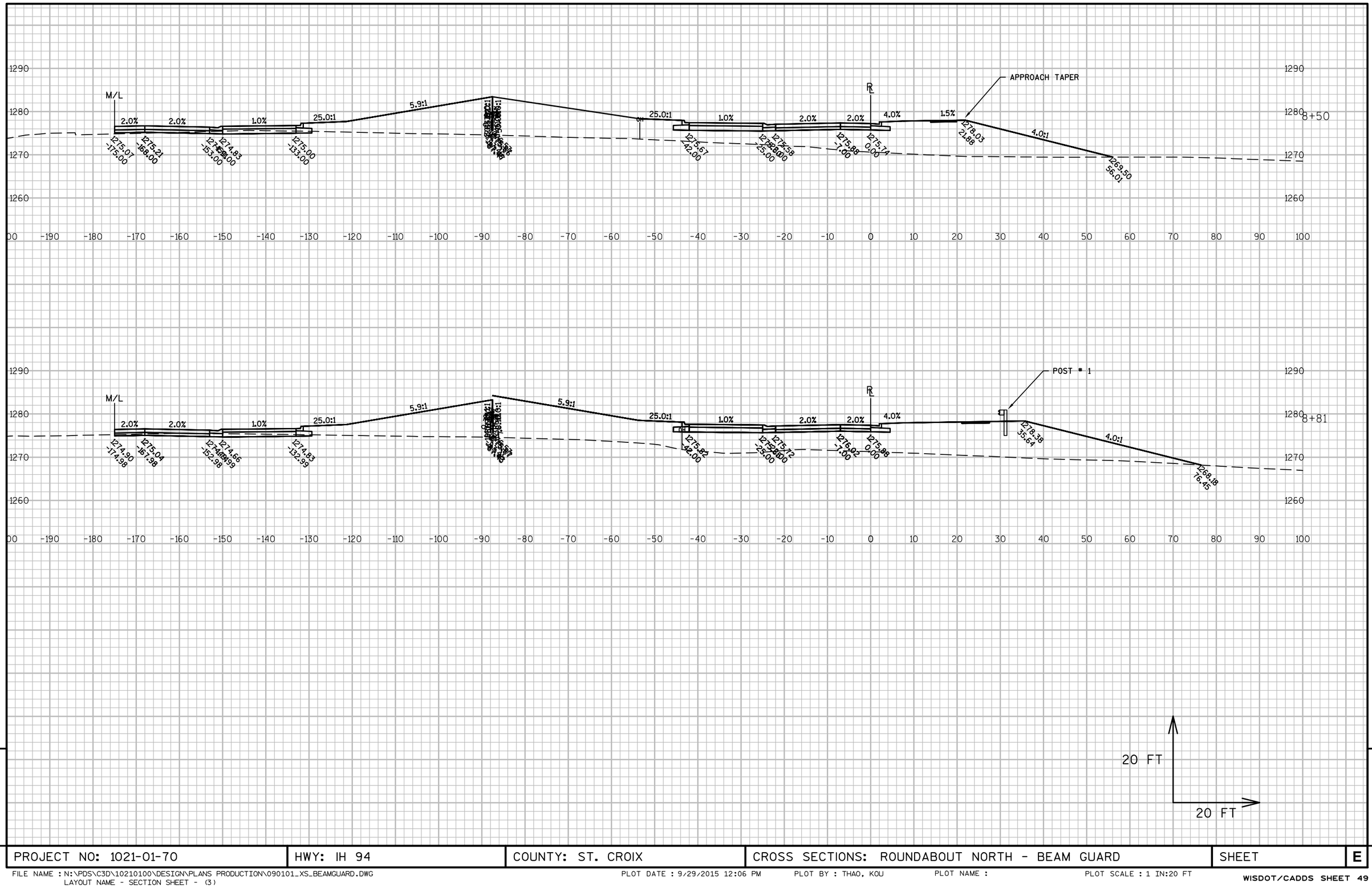
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: 128SB - BEAM GUARD	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_BEAMGUARD.DWG
LAYOUT NAME - SECTION SHEET - (2)

PLOT DATE : 9/29/2015 12:06 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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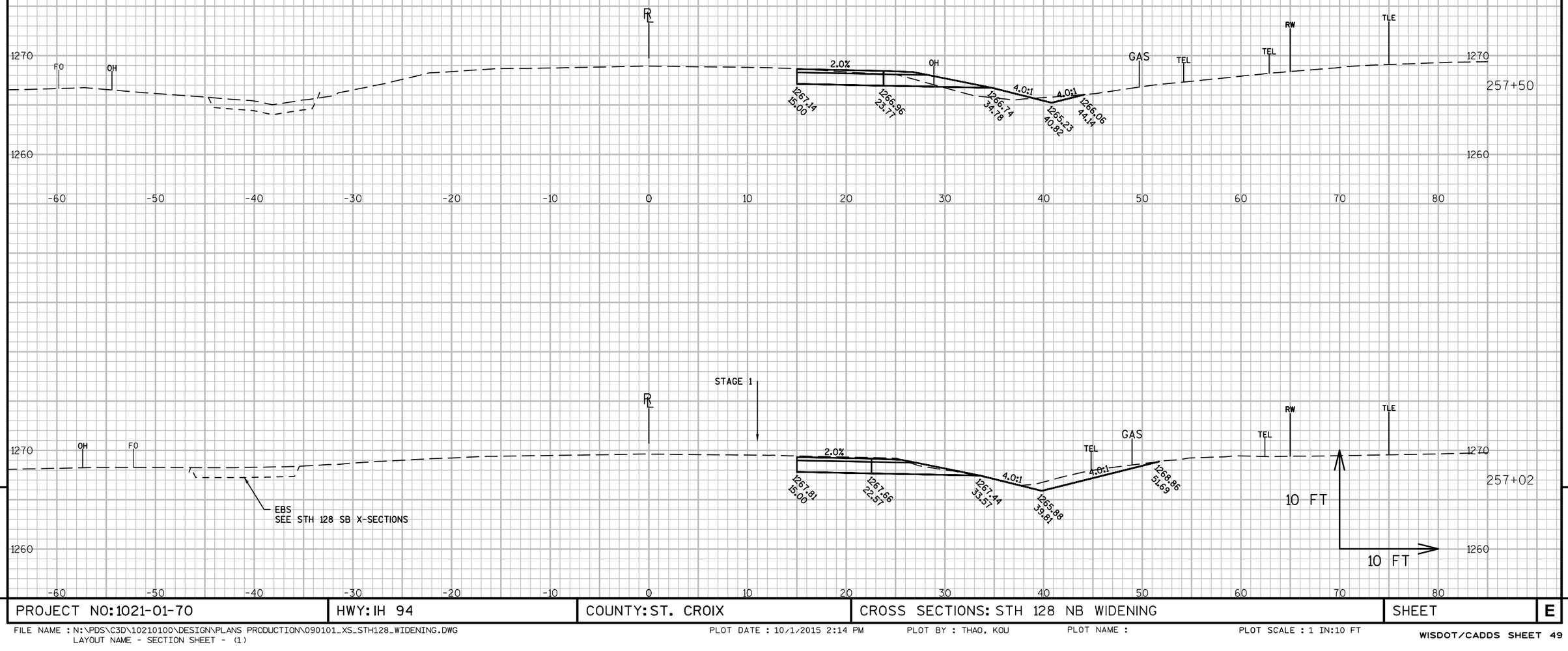
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: ROUNDABOUT NORTH - BEAM GUARD	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_BEAMGUARD.DWG
LAYOUT NAME - SECTION SHEET - (3)

PLOT DATE : 9/29/2015 12:06 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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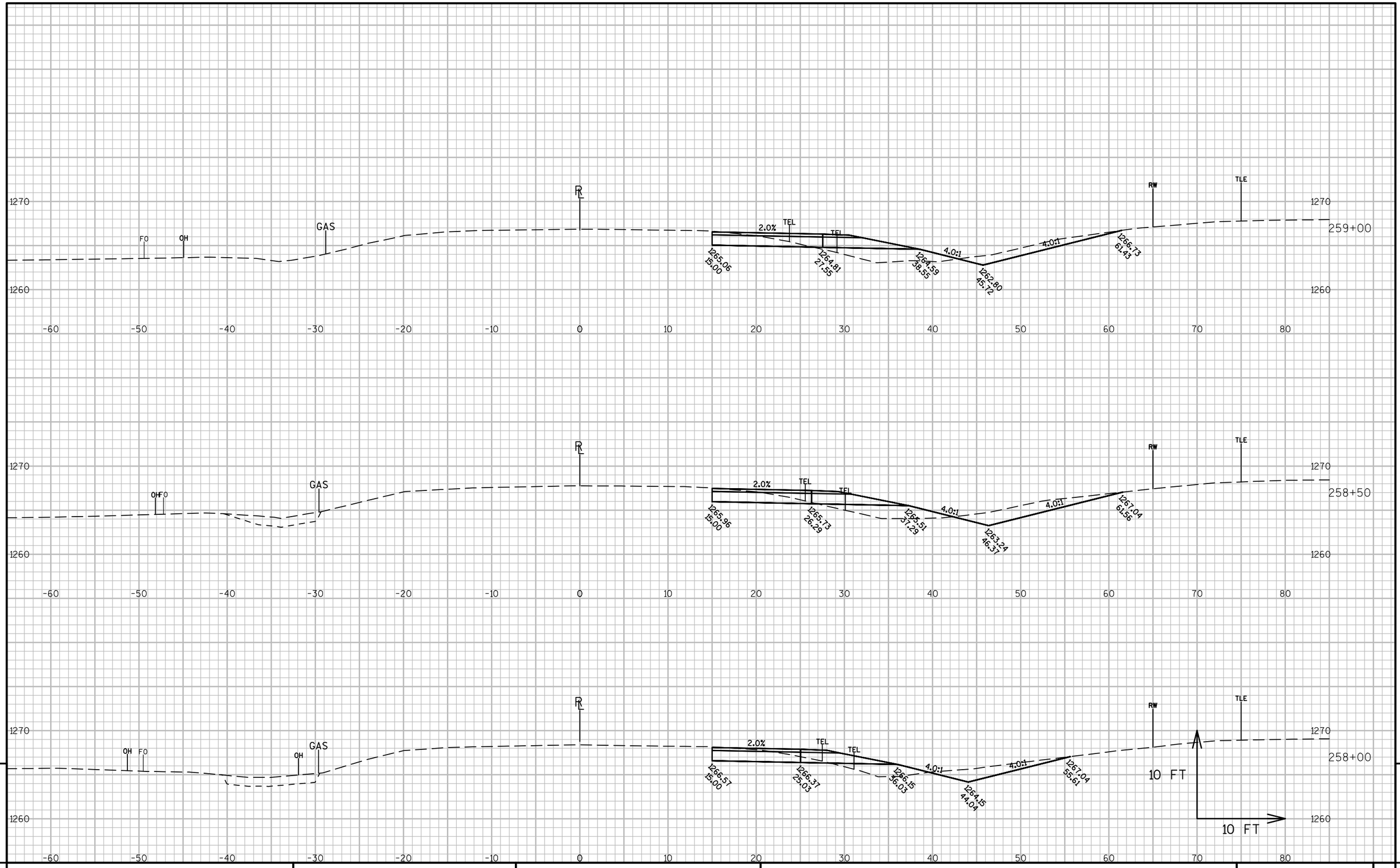
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 NB WIDENING	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128_WIDENING.DWG
LAYOUT NAME - SECTION SHEET - (1)

PLOT DATE : 10/1/2015 2:14 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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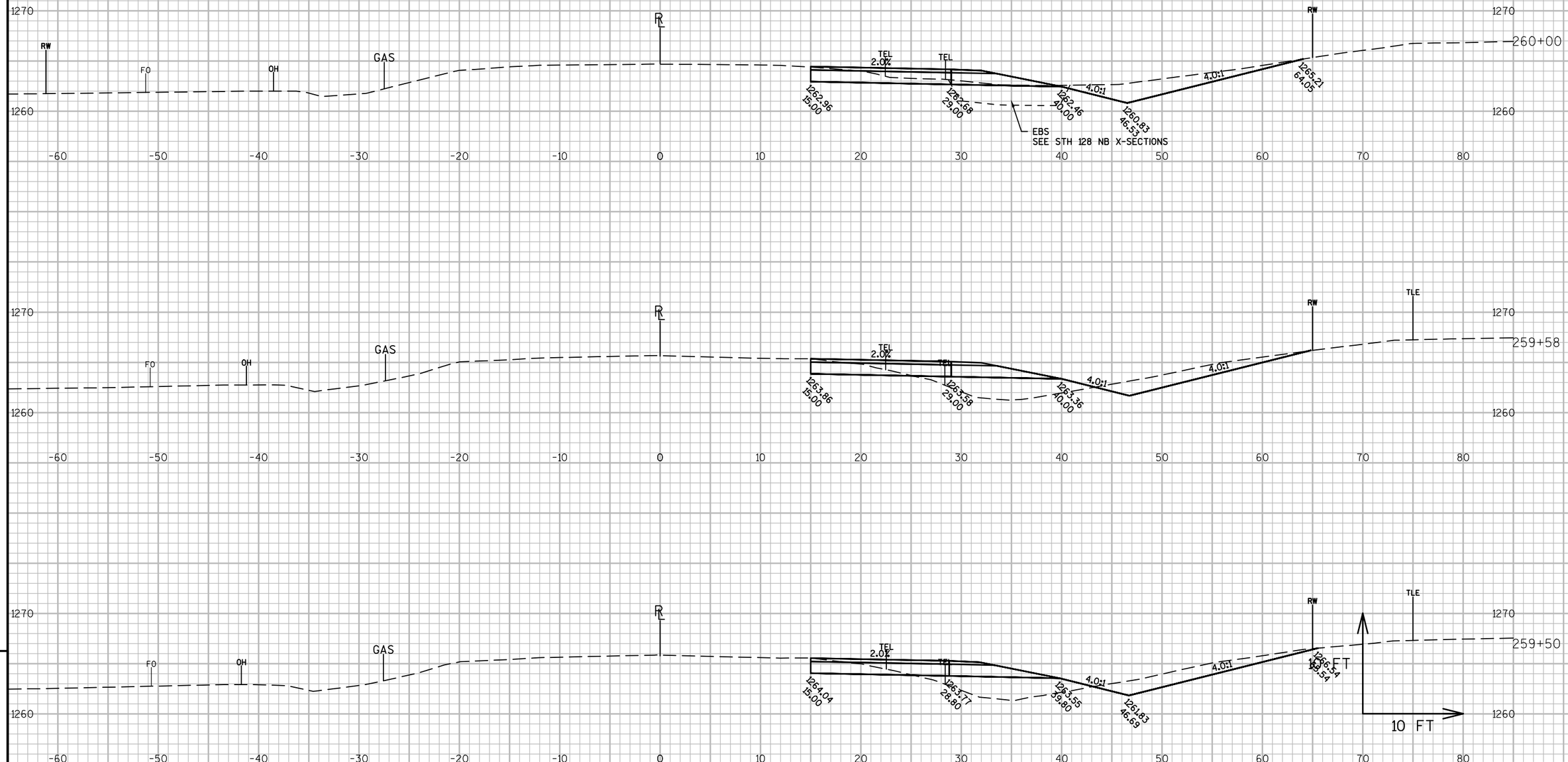
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 NB WIDENING	SHEET	E

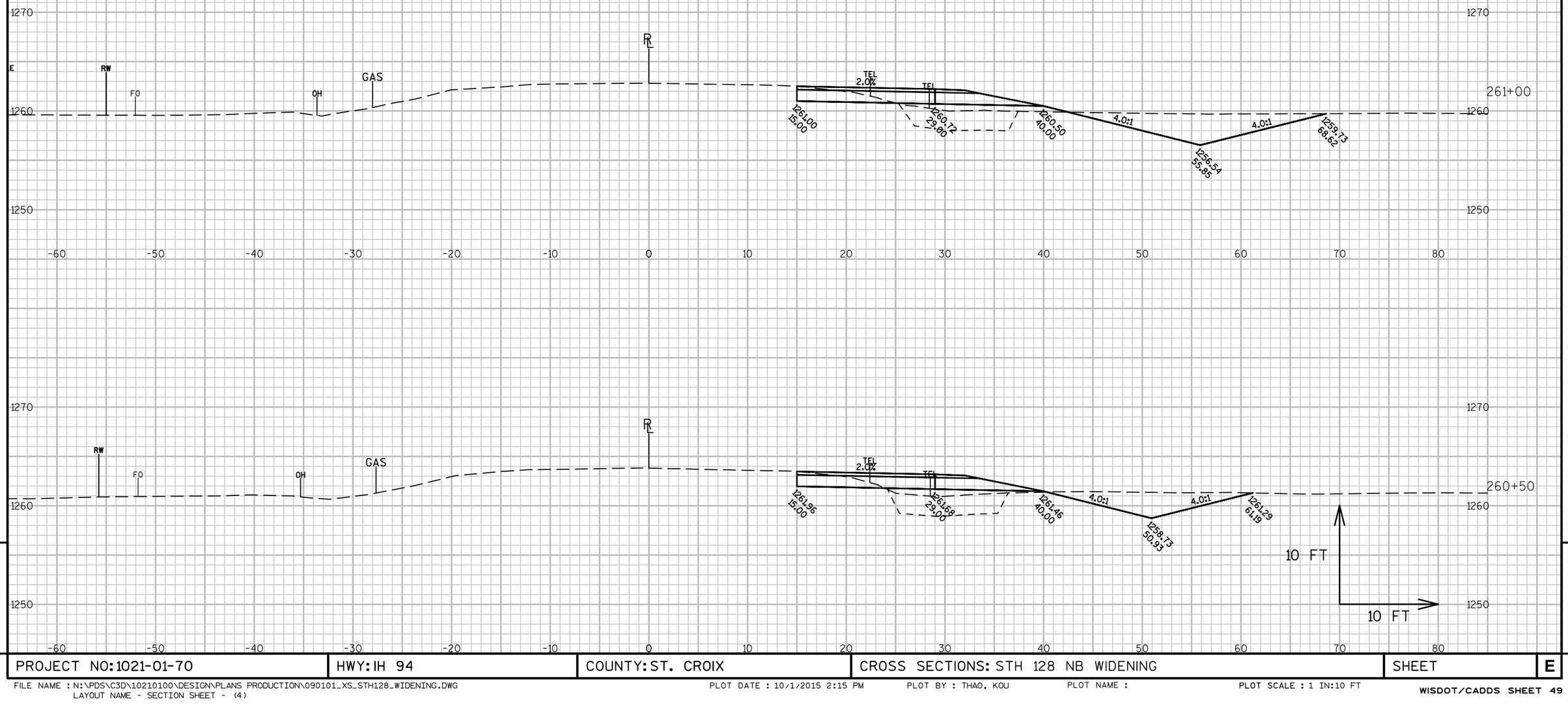
9

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128_WIDENING.DWG
LAYOUT NAME - SECTION SHEET - (2)

PLOT DATE : 10/1/2015 2:14 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:10 FT



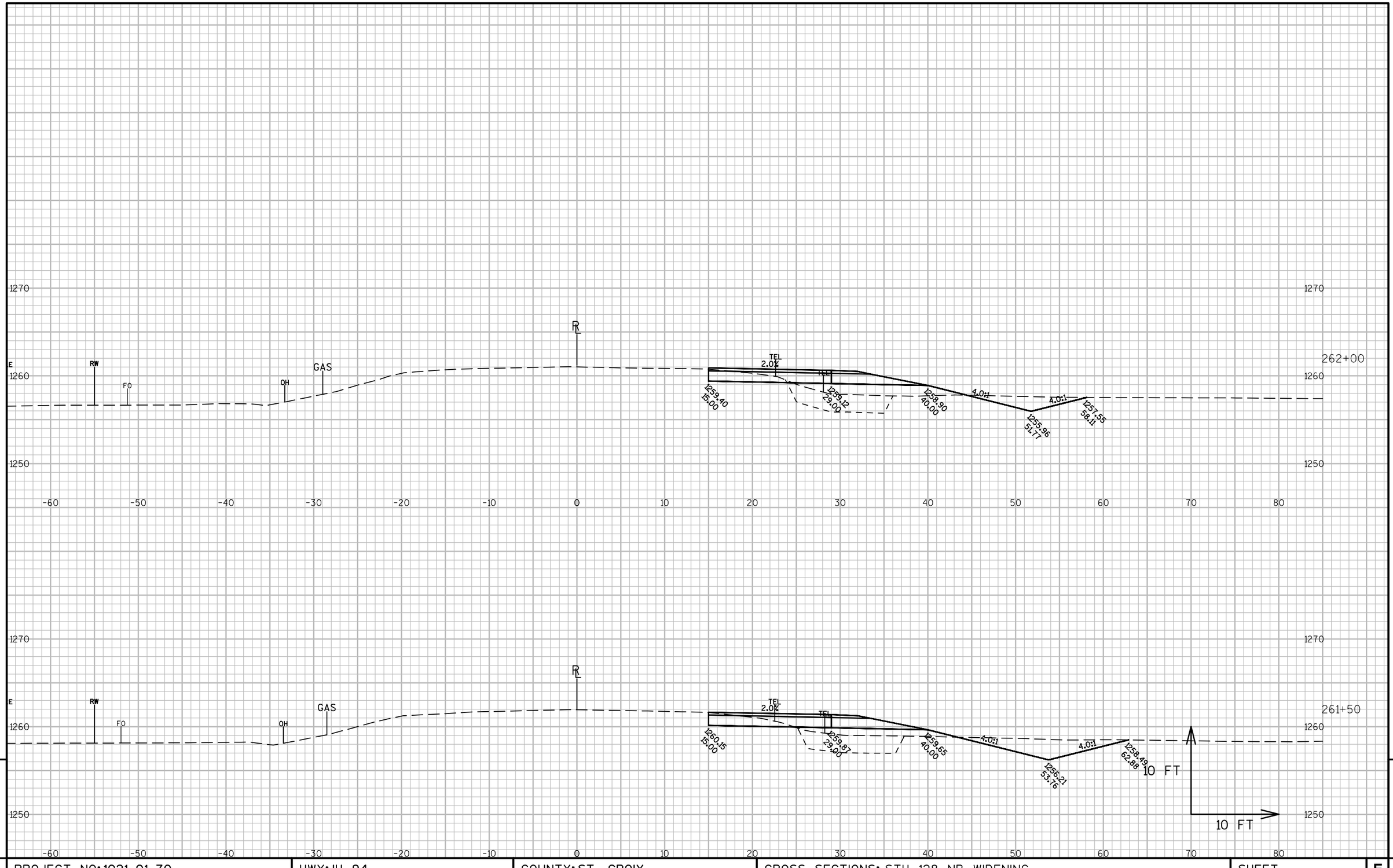
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 NB WIDENING	SHEET	E



PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 NB WIDENING	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128_WIDENING.DWG
LAYOUT NAME - SECTION SHEET - (4)

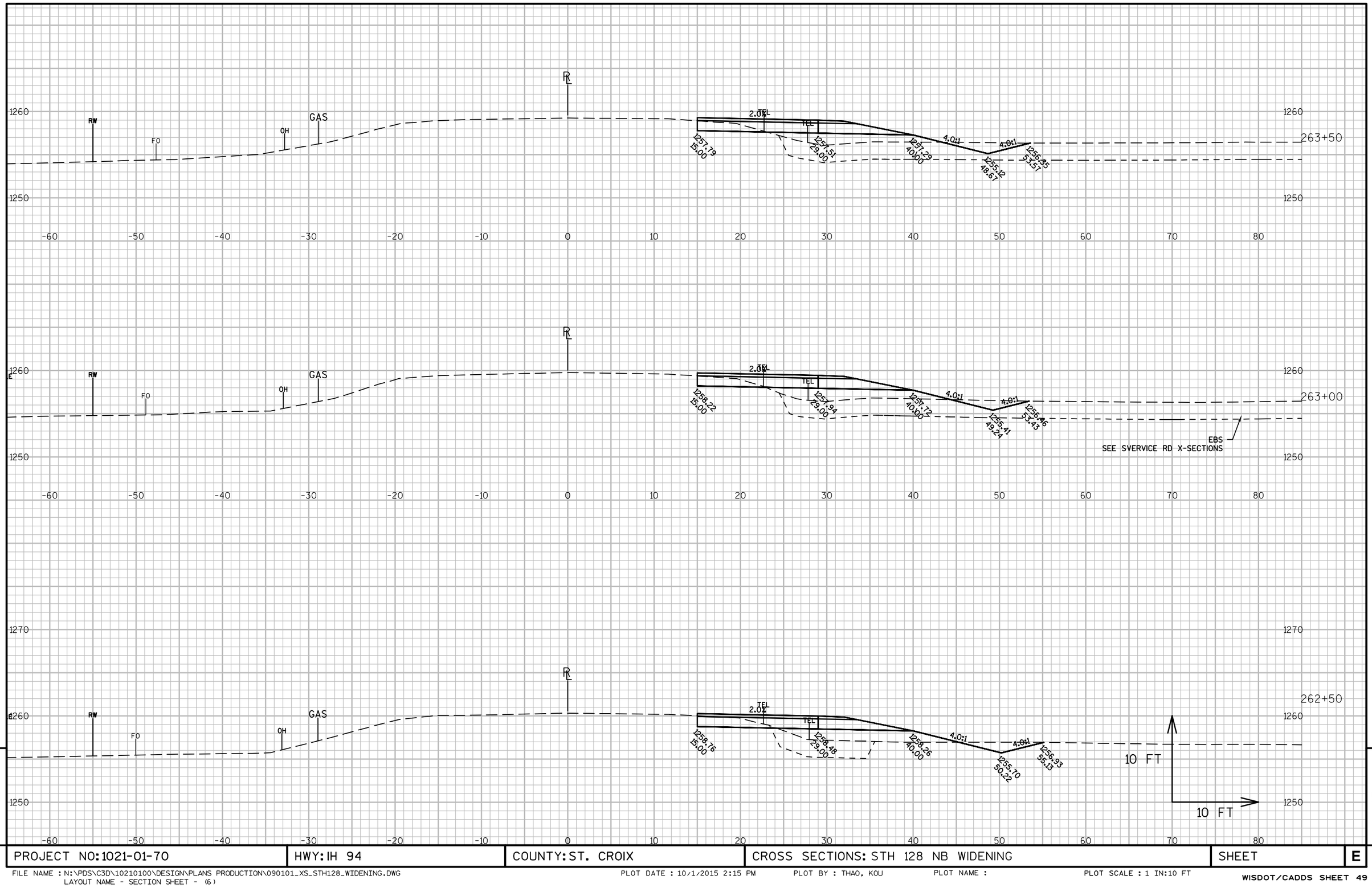
PLOT DATE : 10/1/2015 2:15 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 NB WIDENING	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128_WIDENING.DWG
LAYOUT NAME - SECTION SHEET - (5)

PLOT DATE : 10/1/2015 2:15 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:10 FT



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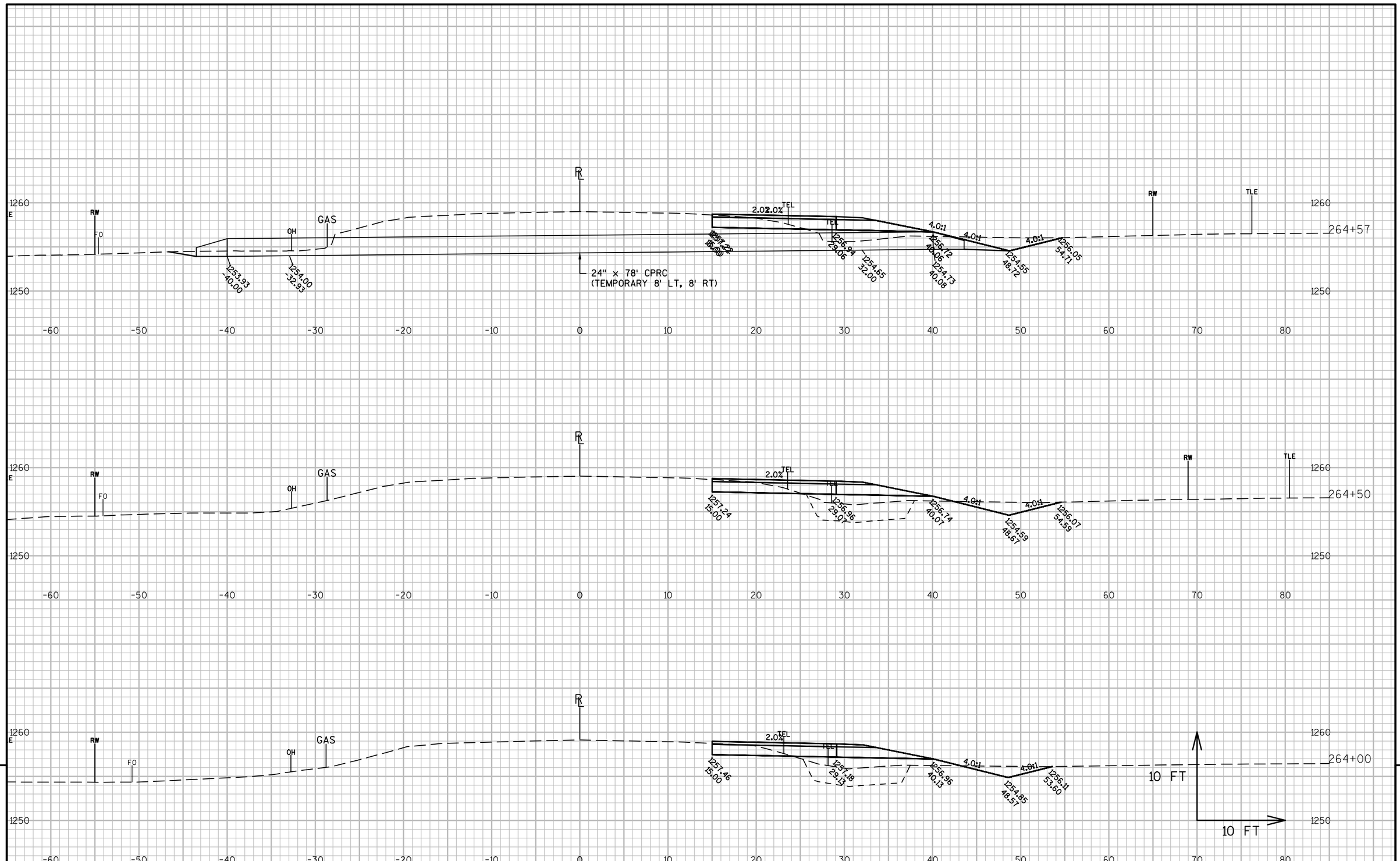
9

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 NB WIDENING	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128_WIDENING.DWG
LAYOUT NAME - SECTION SHEET - (6)

PLOT DATE : 10/1/2015 2:15 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:10 FT



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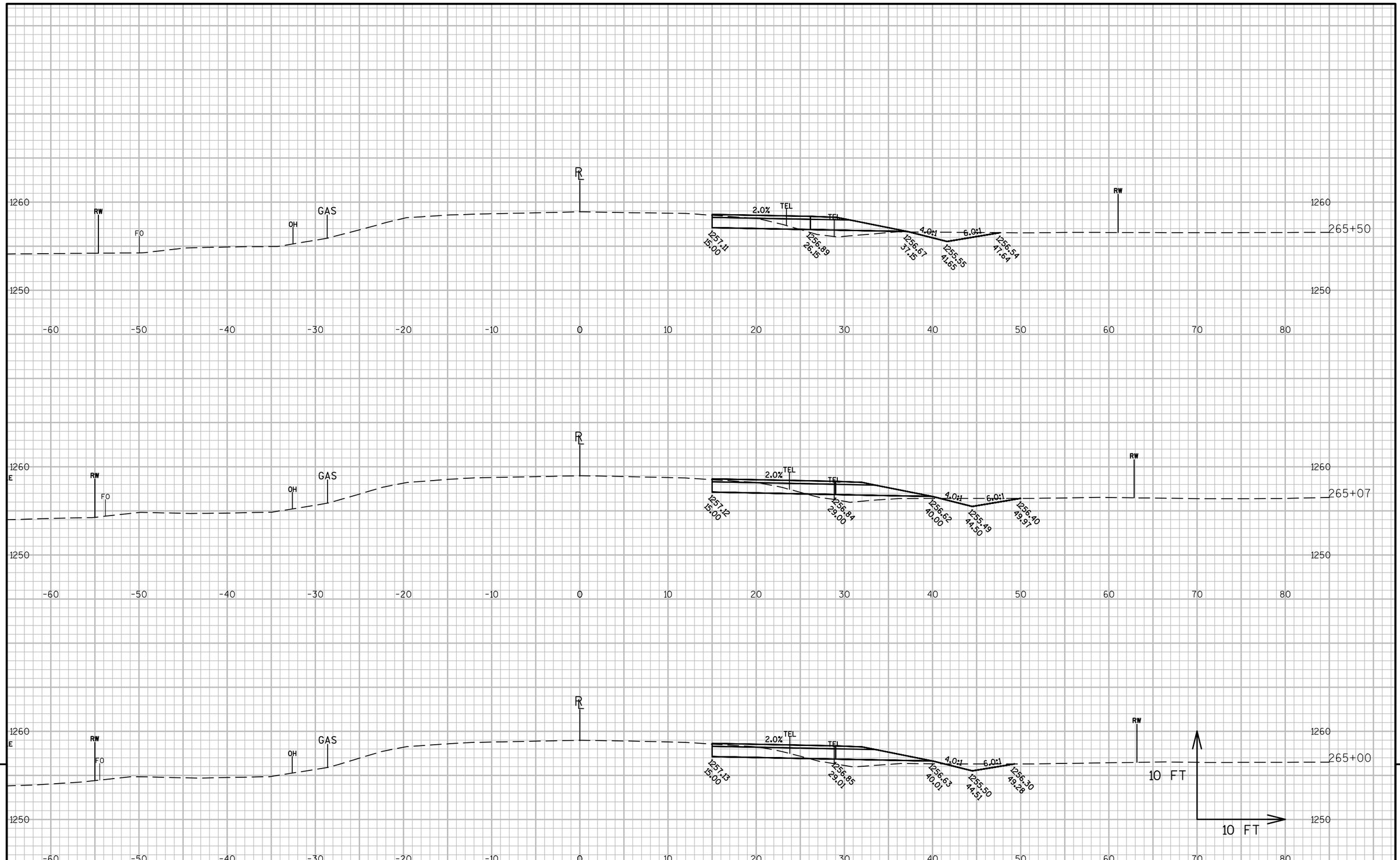
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 NB WIDENING	SHEET	E

9

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128_WIDENING.DWG
LAYOUT NAME - SECTION SHEET - (7)

PLOT DATE : 10/1/2015 2:15 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:10 FT



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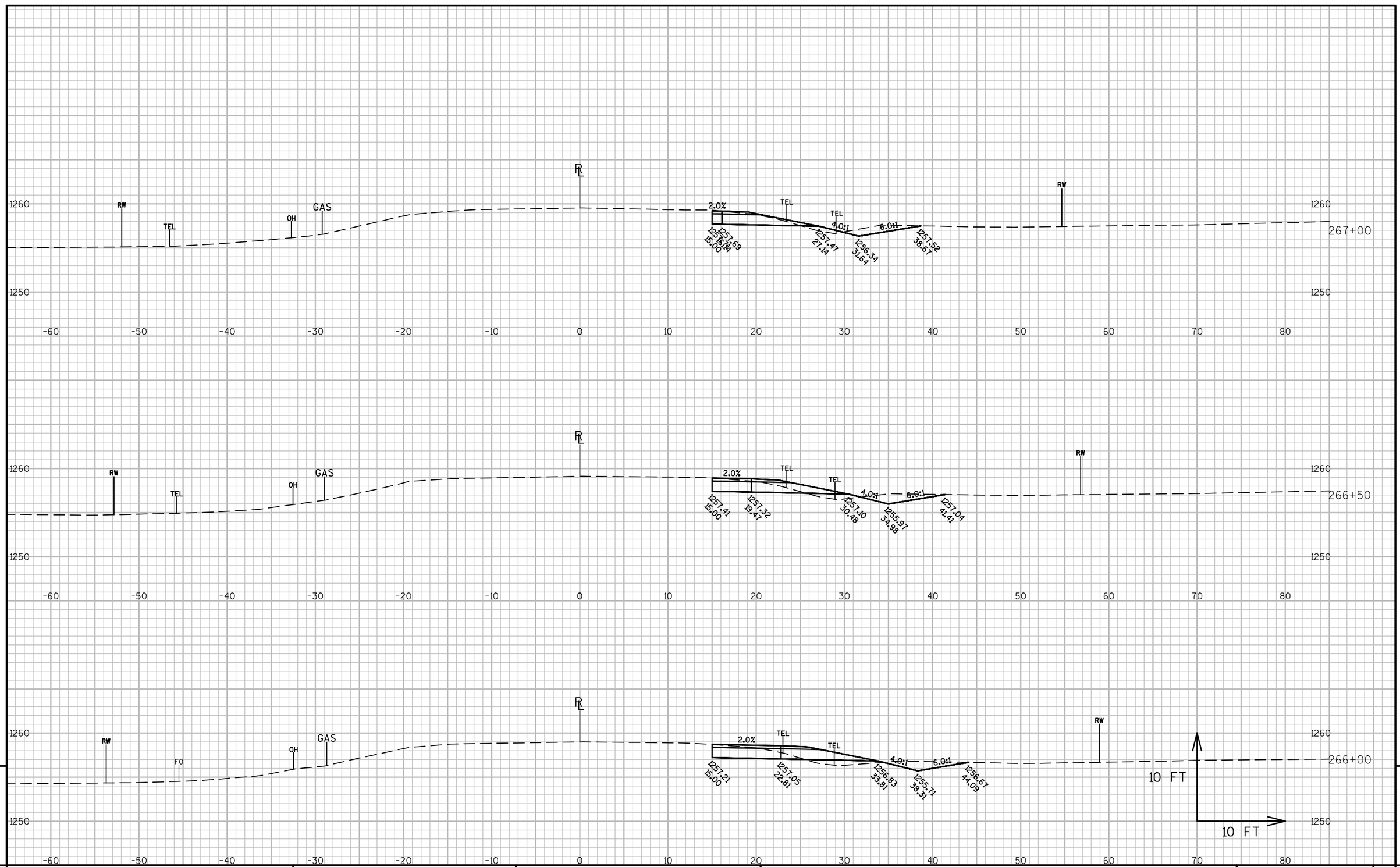
9

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 NB WIDENING	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128_WIDENING.DWG
LAYOUT NAME - SECTION SHEET - (8)

PLOT DATE : 10/1/2015 2:15 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:10 FT



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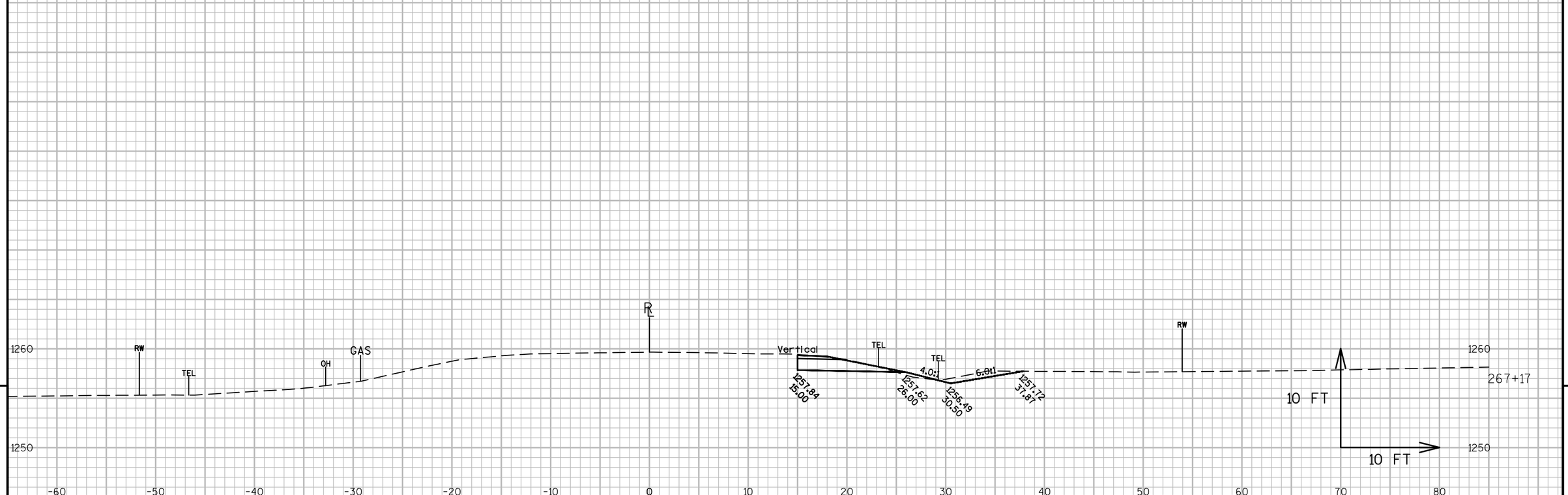
9

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 NB WIDENING	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128_WIDENING.DWG
LAYOUT NAME - SECTION SHEET - (9)
PLOT DATE : 10/1/2015 2:15 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:10 FT



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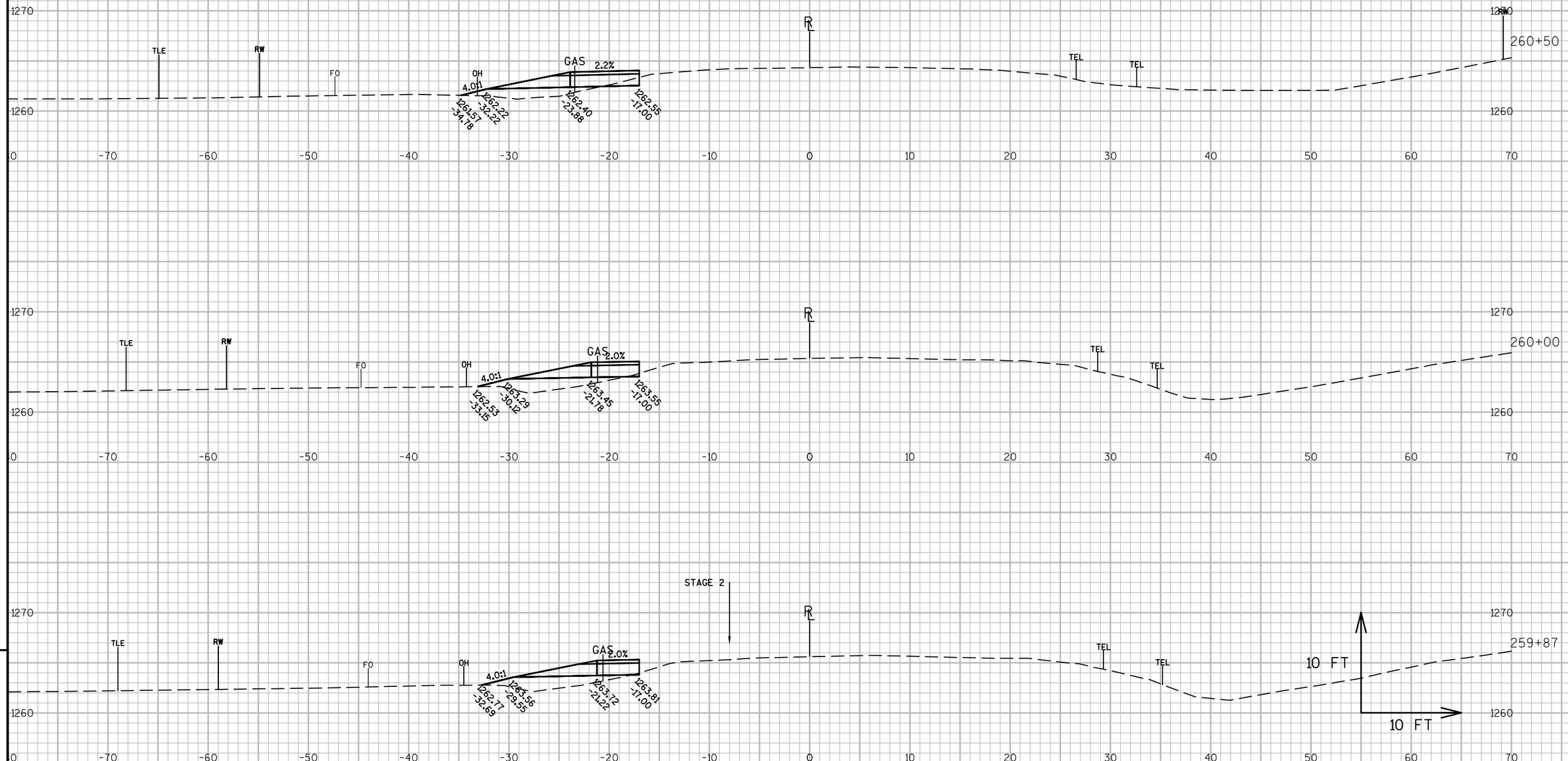
9

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 NB WIDENING	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128_WIDENING.DWG
LAYOUT NAME - SECTION SHEET - (10)
PLOT DATE : 10/1/2015 2:16 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:10 FT



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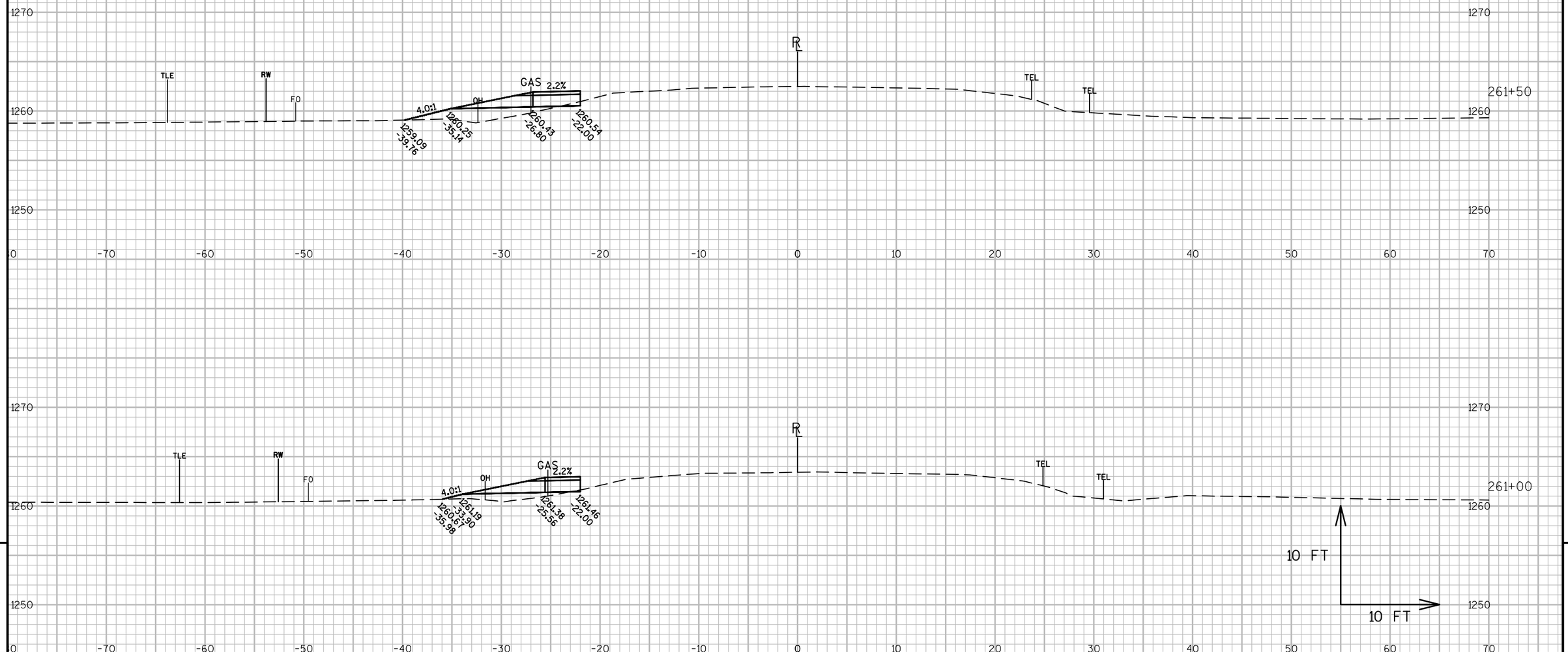
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 SB WIDENING	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128_WIDENING.DWG
LAYOUT NAME - SECTION SHEET - (11)

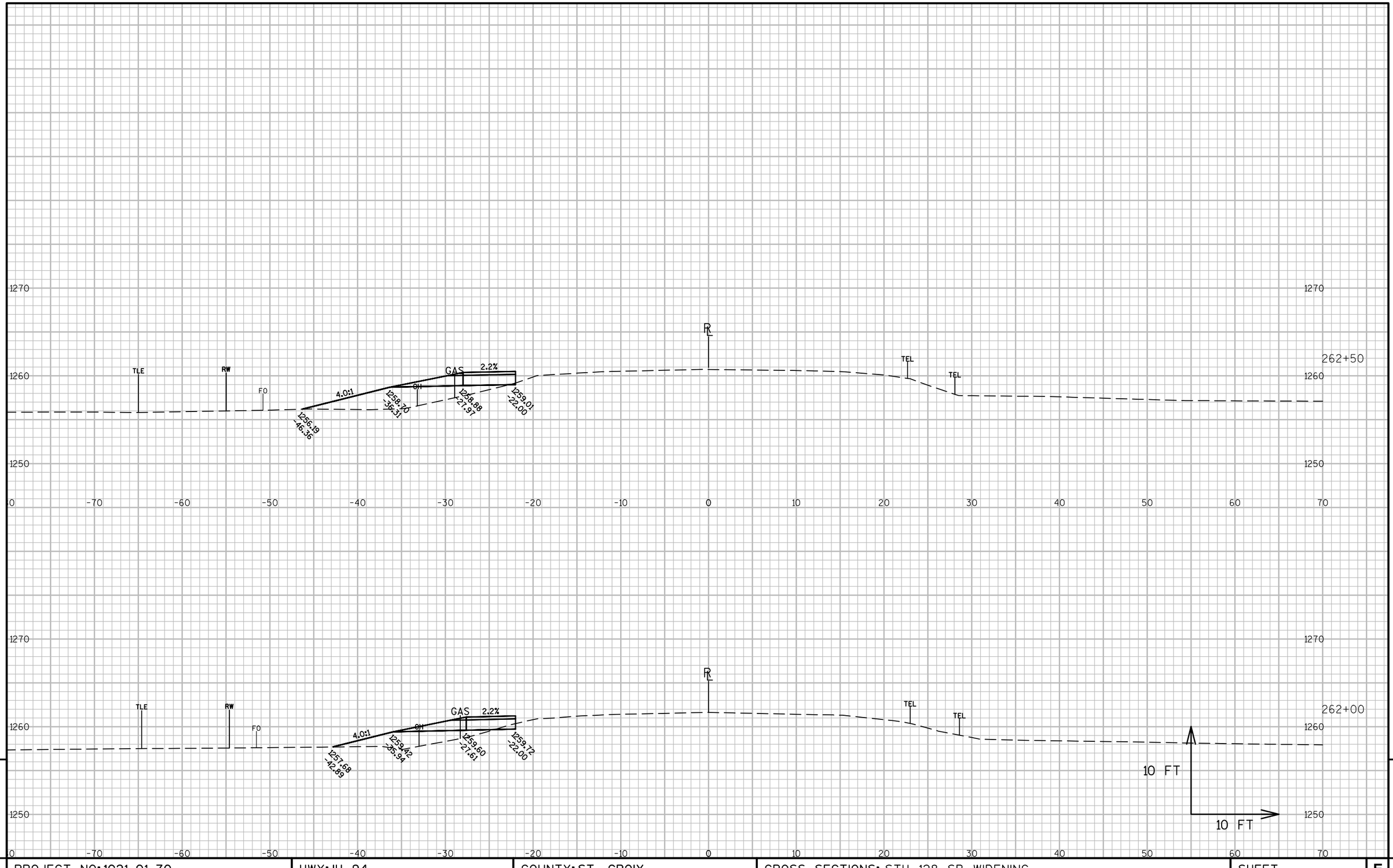
PLOT DATE : 10/1/2015 2:16 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 SB WIDENING	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128_WIDENING.DWG
LAYOUT NAME - SECTION SHEET - (12)

PLOT DATE : 10/1/2015 2:16 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:10 FT



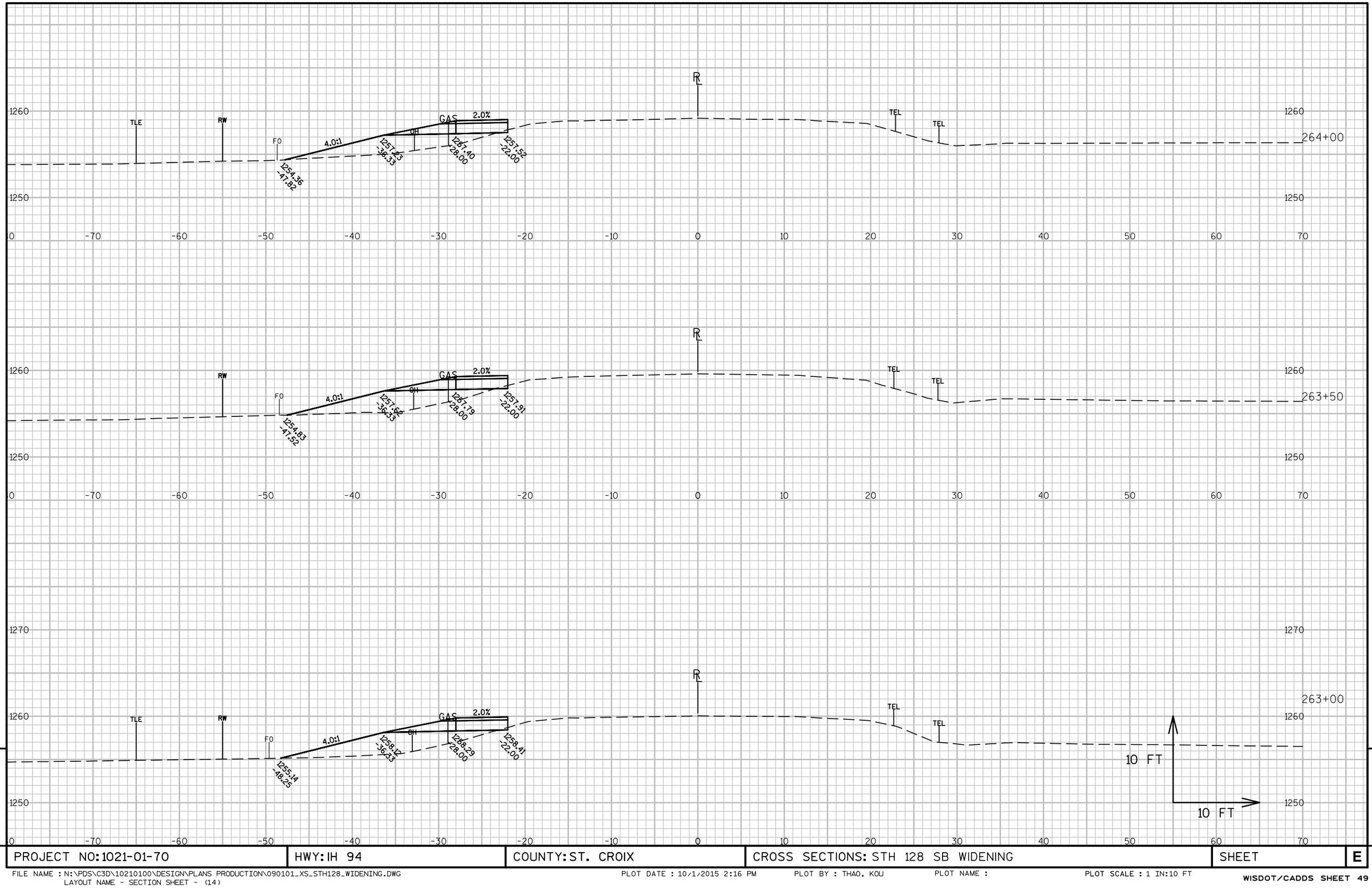
9

9

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 SB WIDENING	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128_WIDENING.DWG
LAYOUT NAME - SECTION SHEET - (13)

PLOT DATE : 10/1/2015 2:16 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:10 FT



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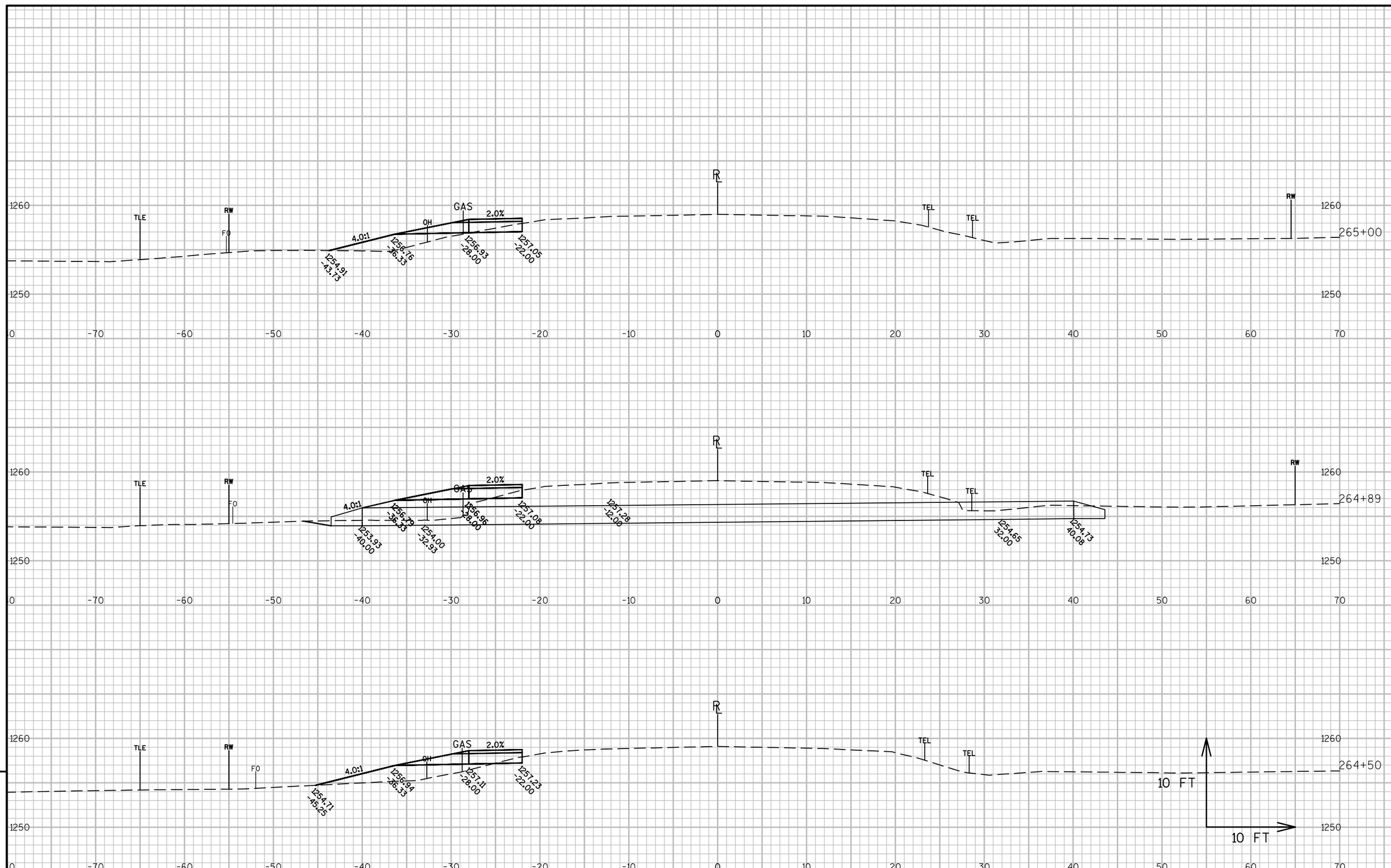
9

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 SB WIDENING	SHEET	E

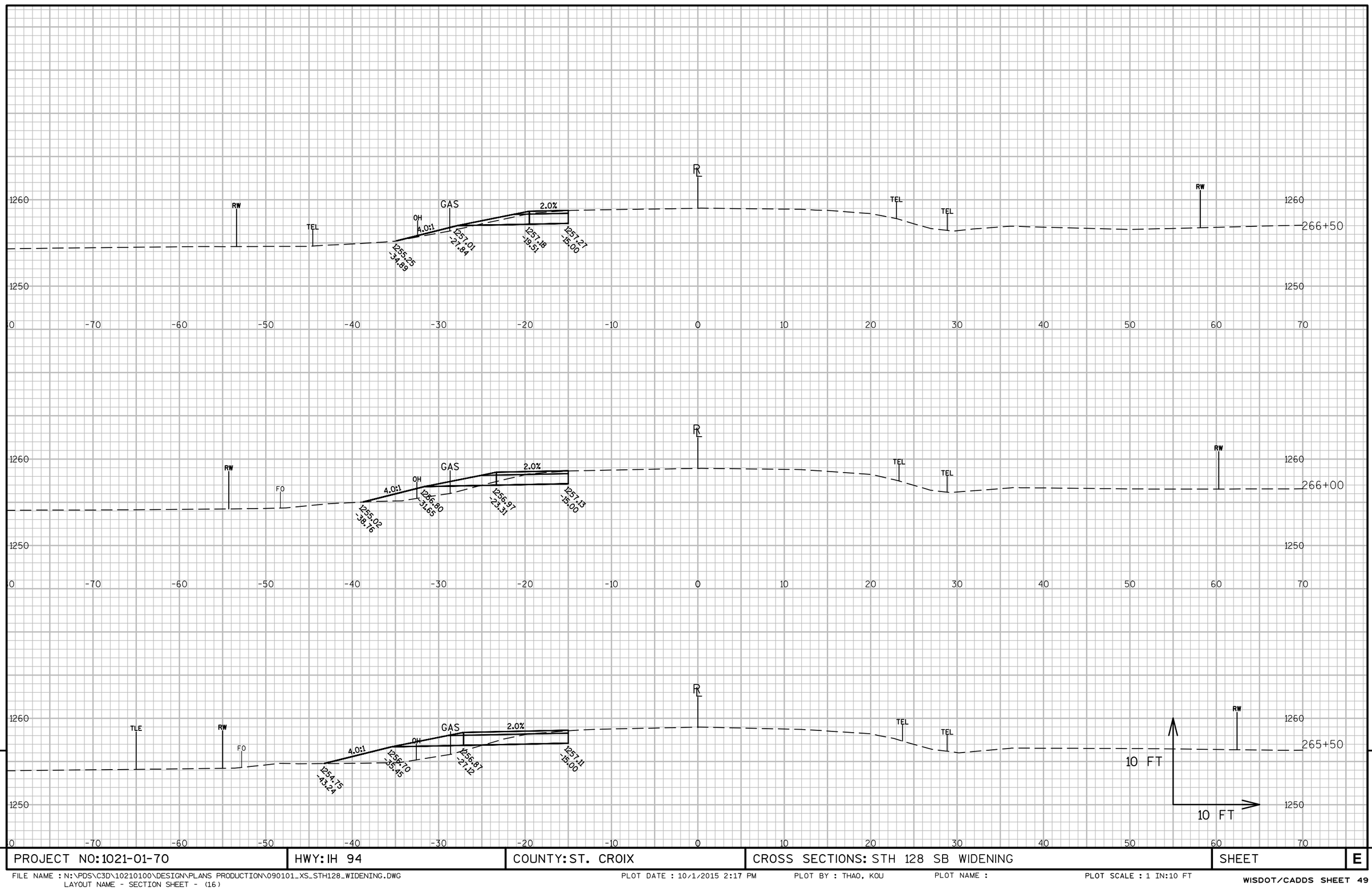
FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128_WIDENING.DWG
LAYOUT NAME - SECTION SHEET - (14)

PLOT DATE : 10/1/2015 2:16 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:10 FT



9

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 SB WIDENING	SHEET	E



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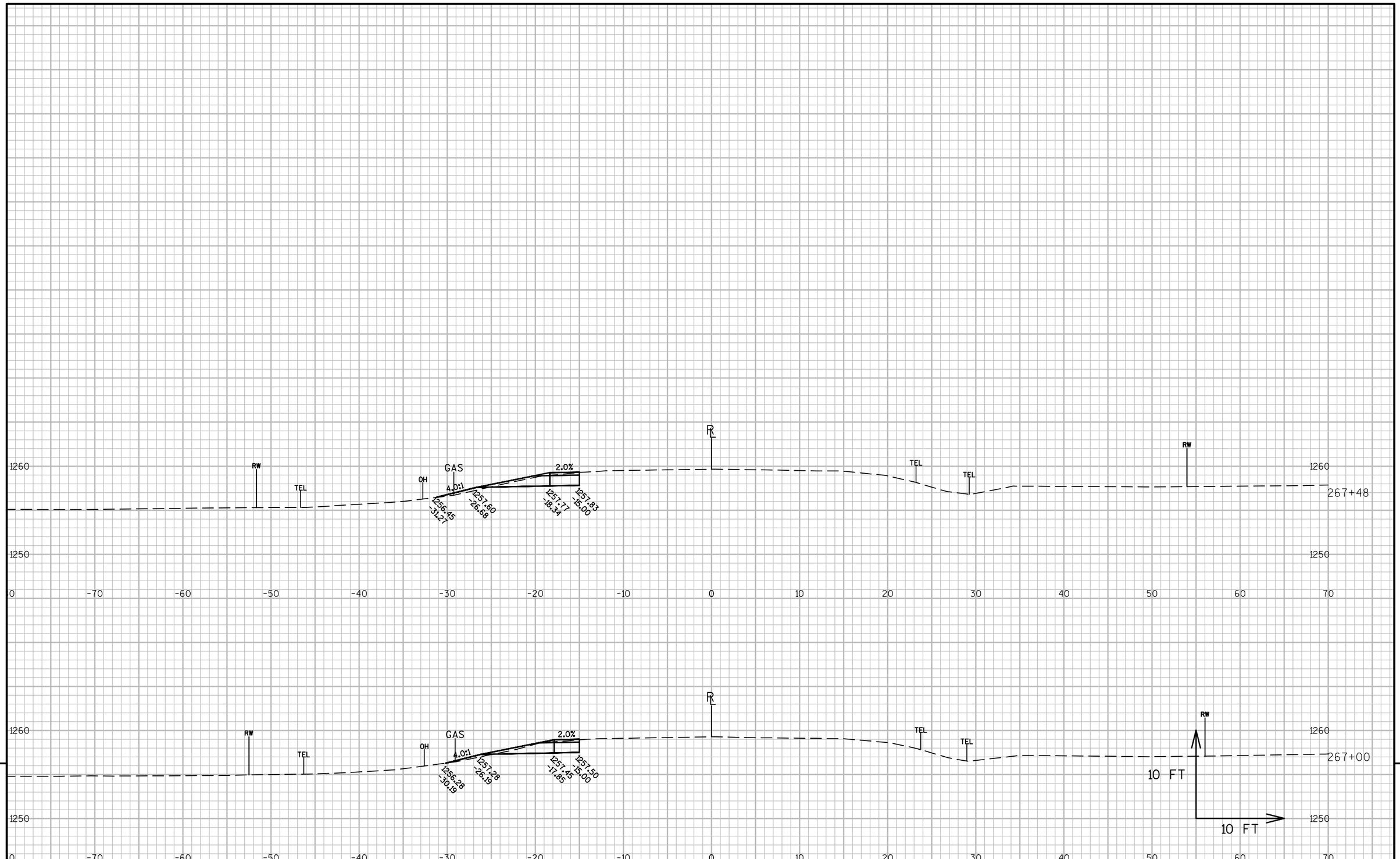
9

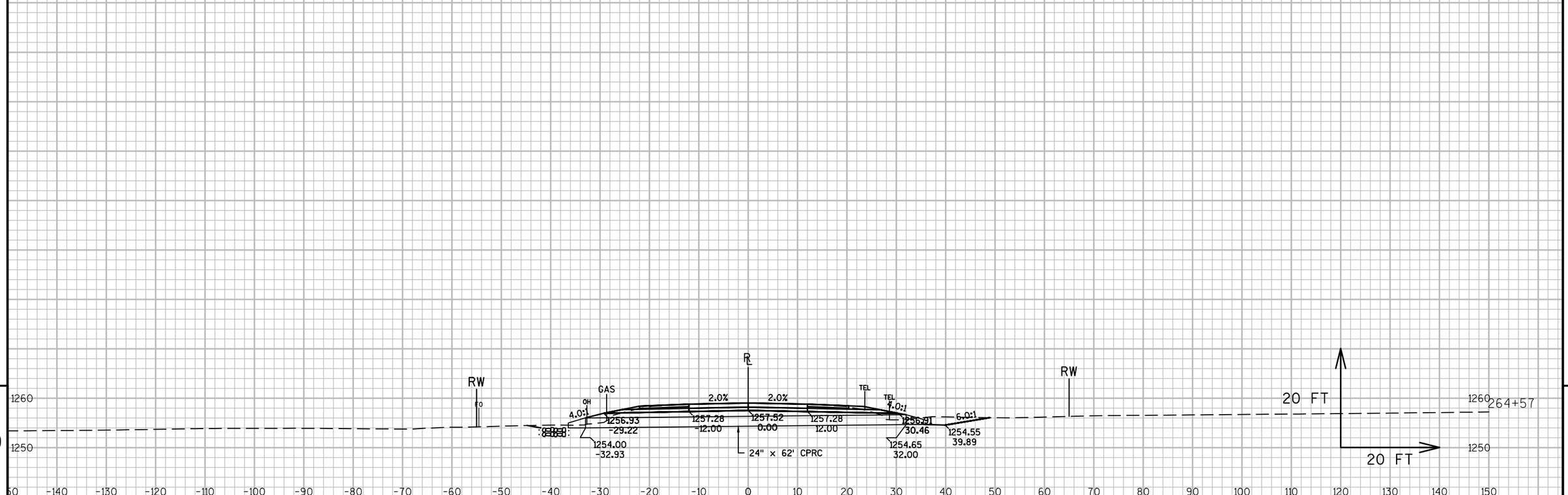
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 SB WIDENING	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\090101_XS_STH128_WIDENING.DWG
LAYOUT NAME - SECTION SHEET - (16)

PLOT DATE : 10/1/2015 2:17 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 SB WIDENING	SHEET	E

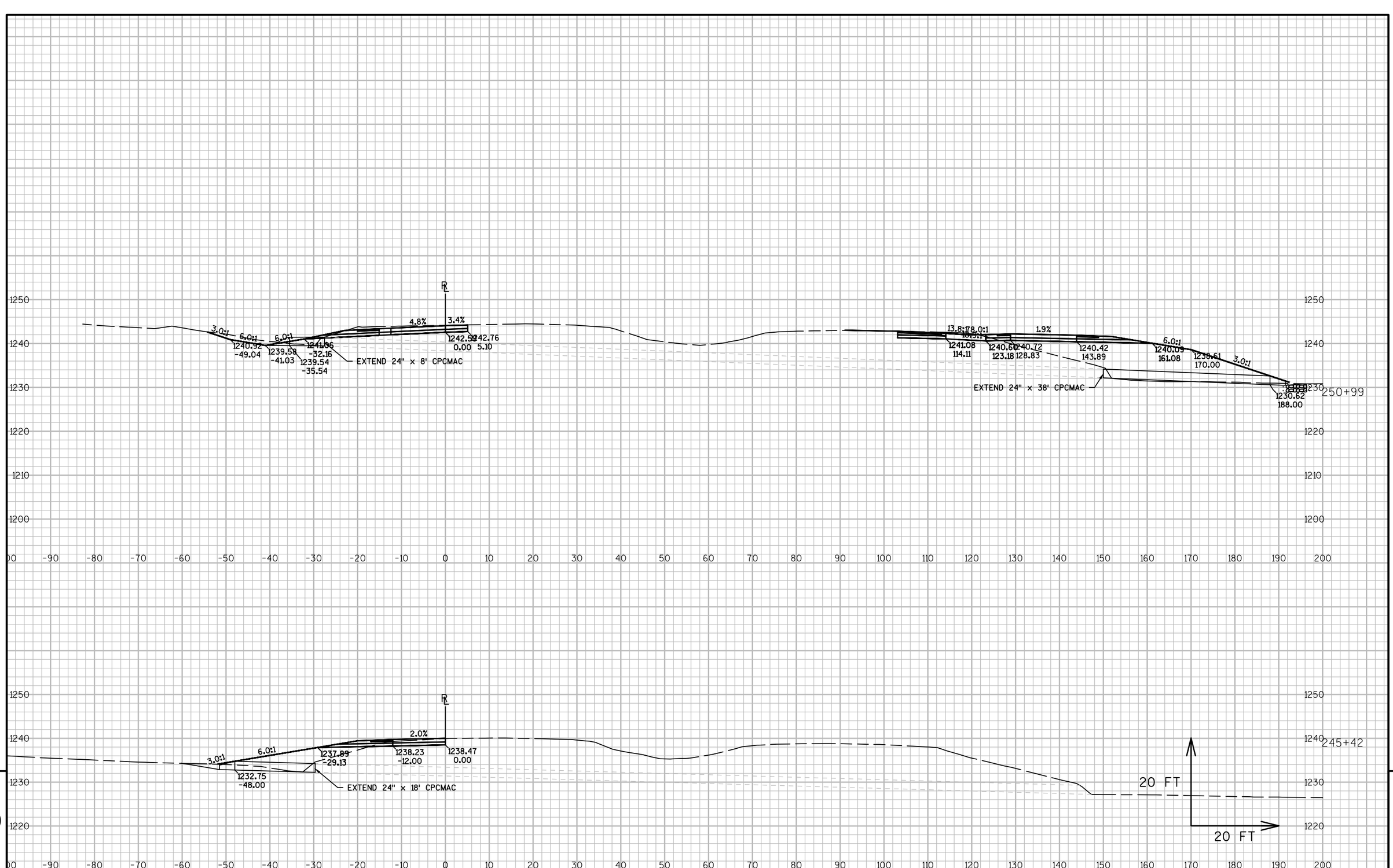


9 9

PROJECT NO: 1021-01-70	HWY: STH 128	COUNTY: ST. CROIX	CROSS SECTIONS: STH 128 NB X-SECTION AT CULVERT	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\050401_CULVERT_STH128_10210100.DWG
LAYOUT NAME - SECTION SHEET - (5)

PLOT DATE : 9/17/2015 9:18 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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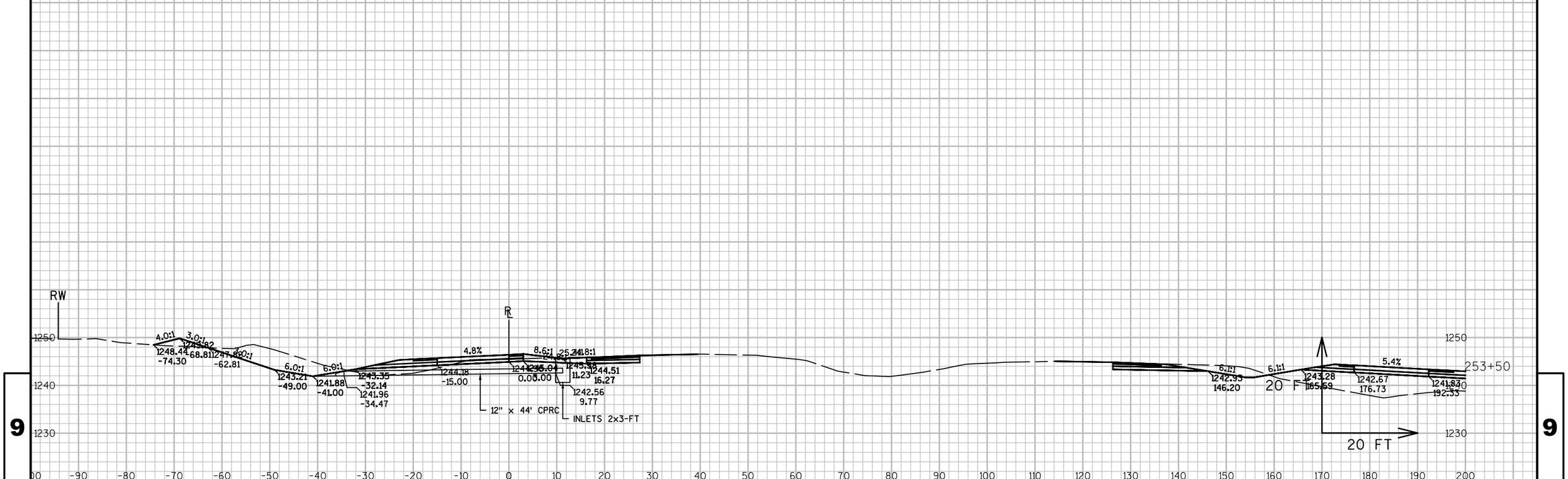
9

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP A X-SECTION AT CULVERTS	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\050401_CULVERT_STH128_10210100.DWG
LAYOUT NAME - SECTION SHEET - (1)

PLOT DATE : 9/15/2015 11:57 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



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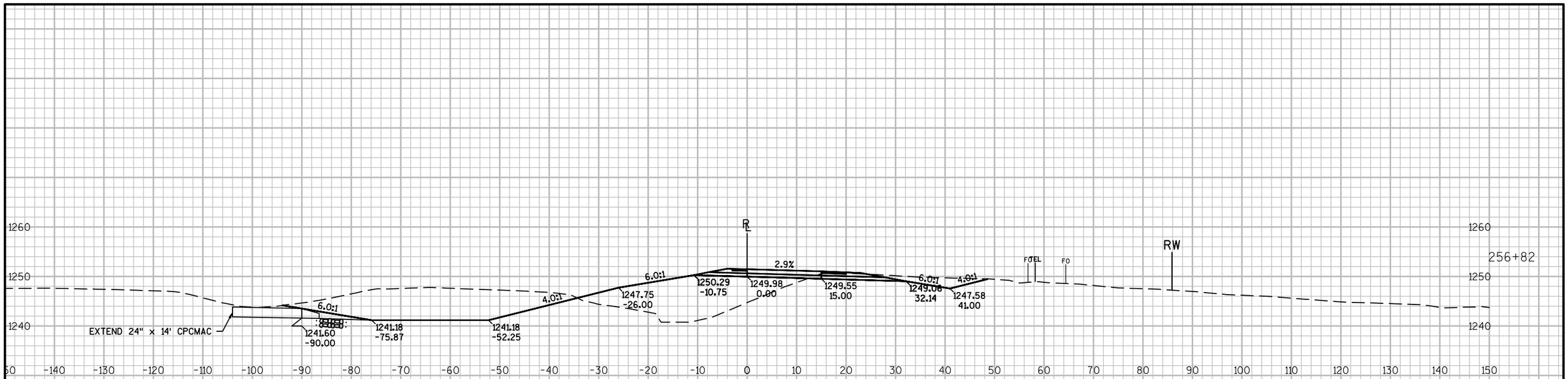
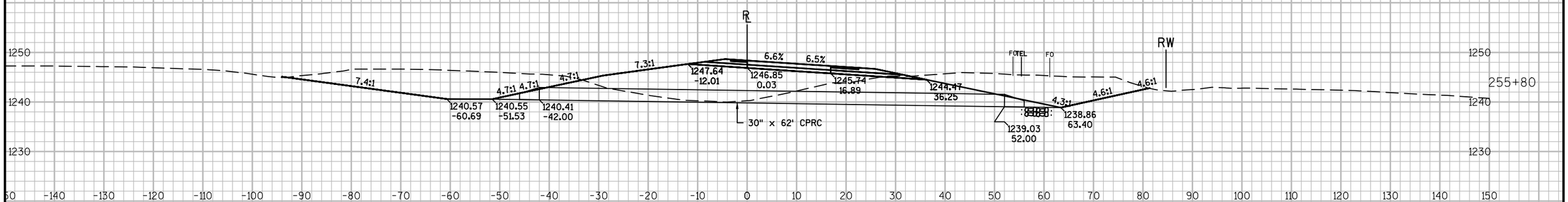
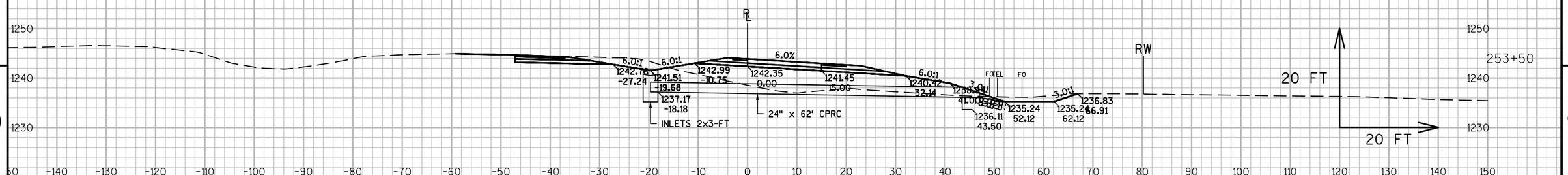
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP A X-SECTION AT CULVERTS	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\050401_CULVERT_STH128_10210100.DWG
LAYOUT NAME - SECTION SHEET - (2)
PLOT DATE : 9/15/2015 11:57 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT







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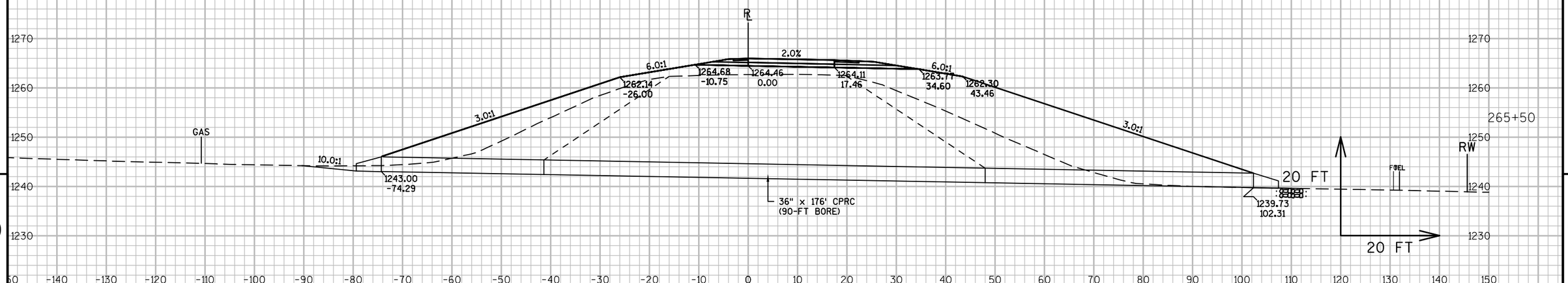
9

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP B X-SECTION AT CULVERTS	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\050401_CULVERT_STH128_10210100.DWG
LAYOUT NAME - SECTION SHEET - (3)
PLOT DATE : 9/15/2015 11:57 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT

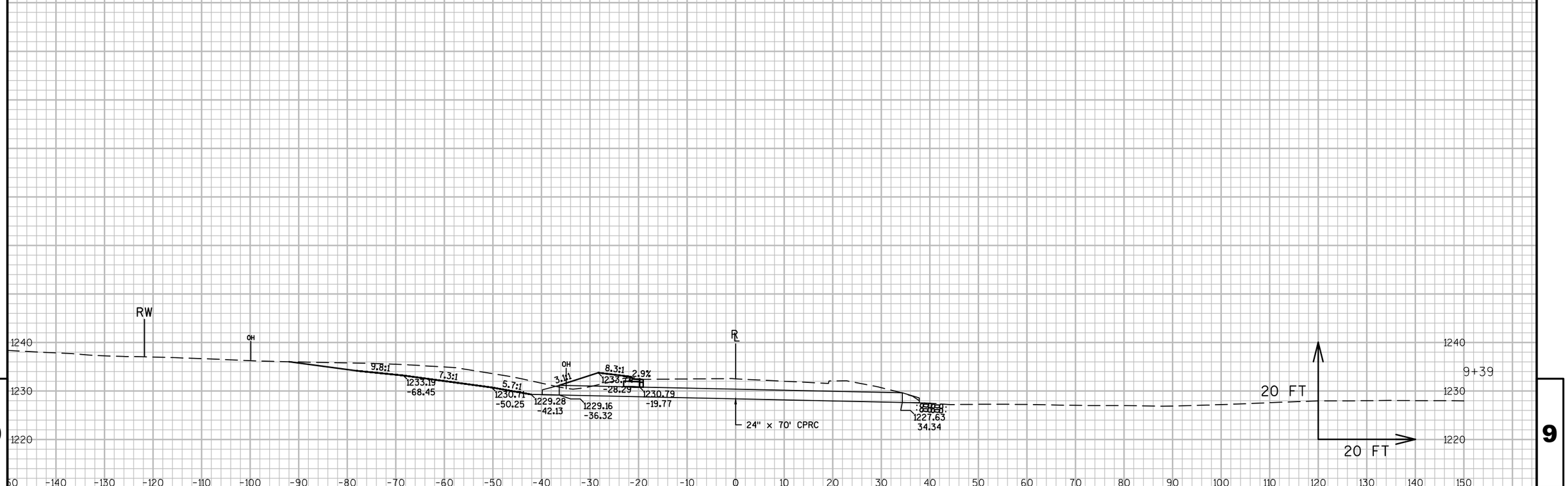


9 9

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: RAMP D X-SECTION AT CULVERT	SHEET	E

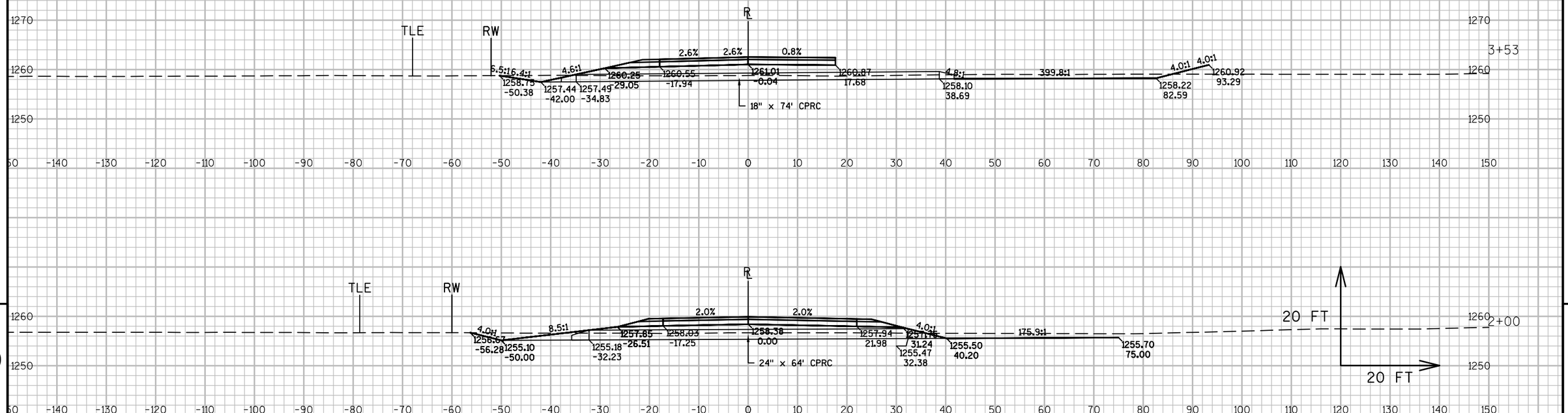
FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\050401_CULVERT_STH128_10210100.DWG
LAYOUT NAME - SECTION SHEET - (4)

PLOT DATE : 9/15/2015 11:58 AM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT



9 9

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	CROSS SECTIONS: 50TH AVE X-SECTION AT CULVERT	SHEET	E



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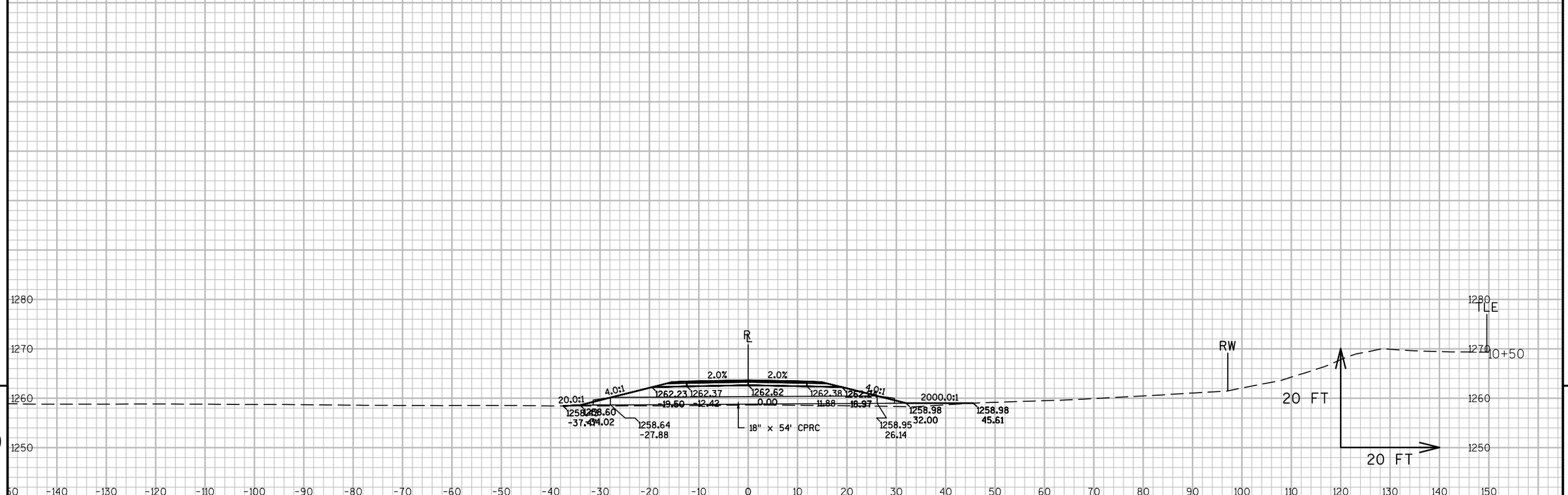
9

PROJECT NO: 1021-01-70	HWY: STH 128	COUNTY: ST. CROIX	CROSS SECTIONS: SERVICE RD X-SECTION AT CULVERTS	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\050401_CULVERT_STH128_10210100.DWG
LAYOUT NAME - SECTION SHEET - (7)
PLOT DATE : 10/1/2015 3:51 PM
PLOT BY : THAO, KOU
PLOT NAME :
PLOT SCALE : 1 IN:20 FT



9

9

PROJECT NO: 1021-01-70	HWY: STH 128	COUNTY: ST. CROIX	CROSS SECTIONS: PARK & RIDE X-SECTION AT CULVERT	SHEET	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\050401_CULVERT_STH128_10210100.DWG
LAYOUT NAME - SECTION SHEET - (8)

PLOT DATE : 10/1/2015 3:51 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:20 FT